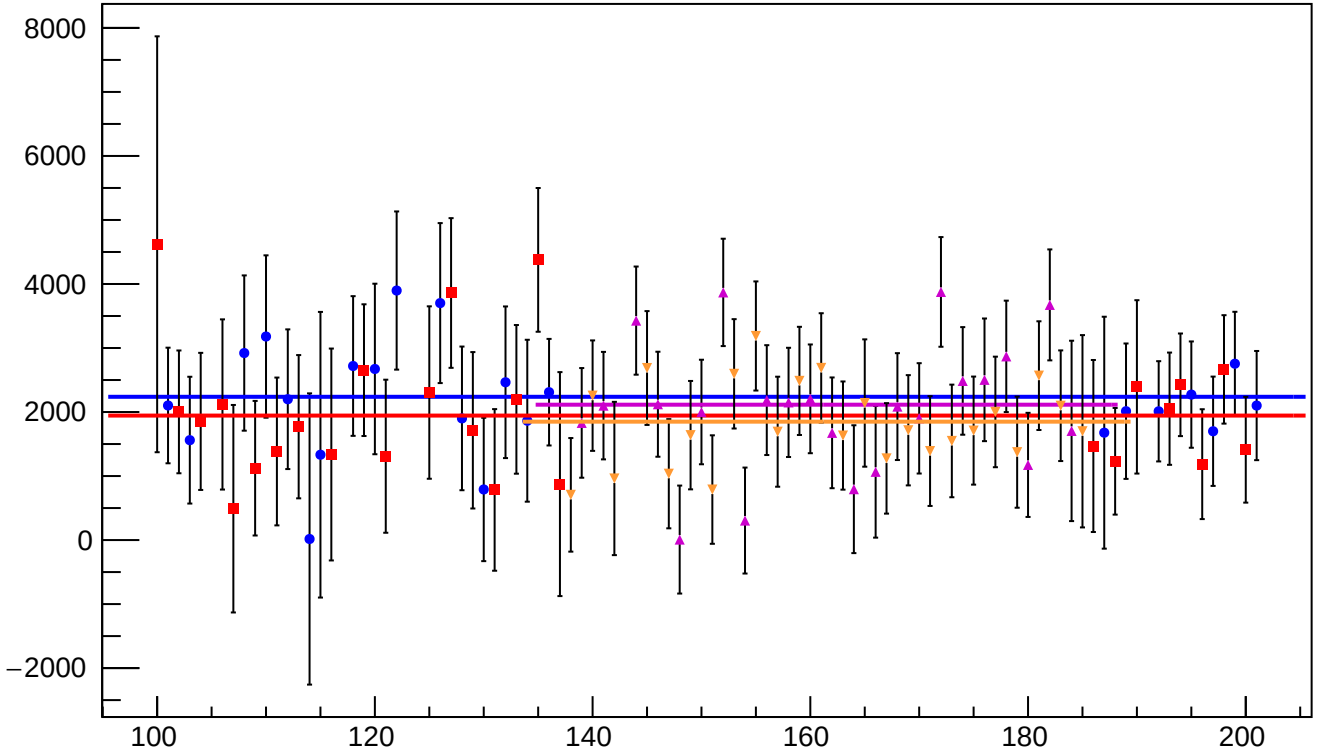
reg_asym_us_avg_mean vs Slug, Sign Corrected



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: 1944.485+/-215.551 χ^2/NDF: 15.3/25

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

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

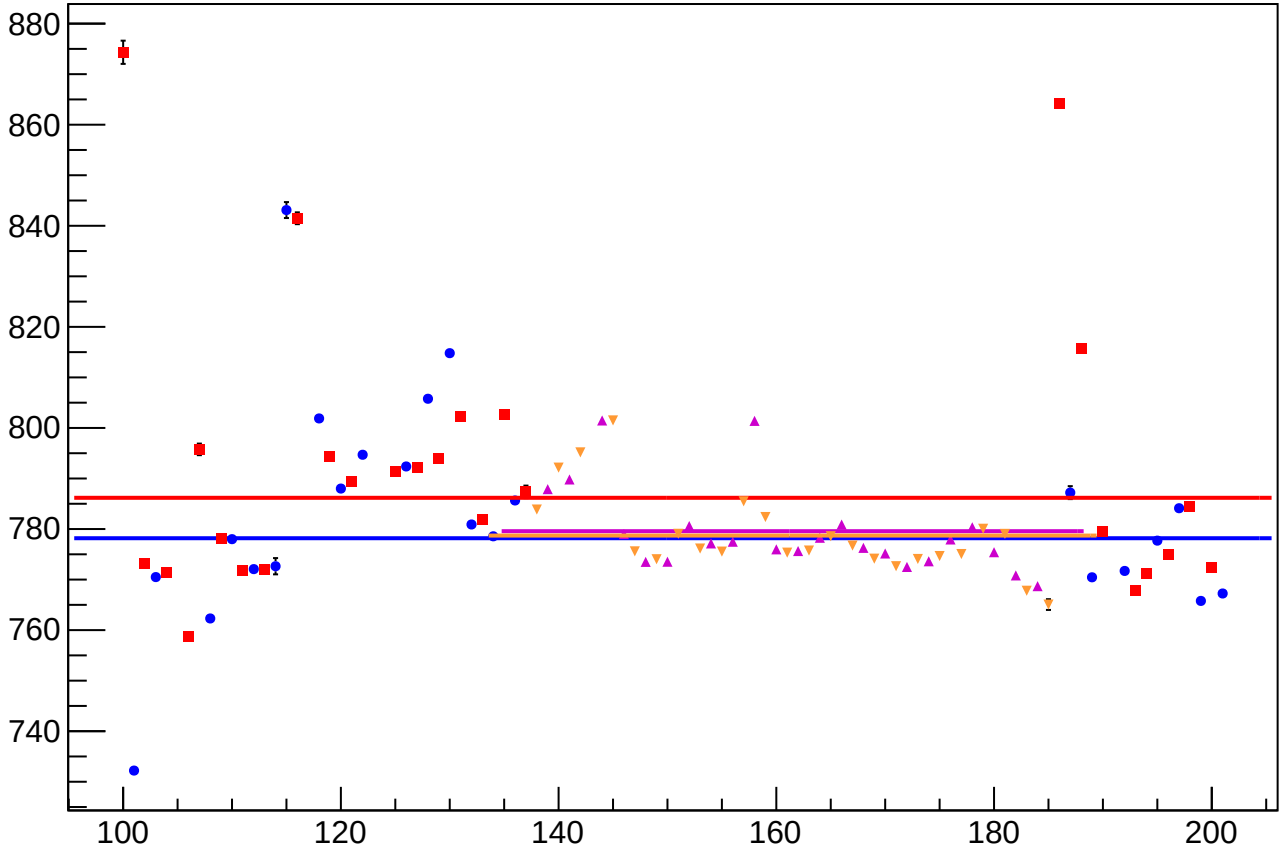
Right: 2087.259+/-154.440 χ^2/NDF: 25.1/48

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

Out: 1888.766+/-138.495 χ^2/NDF:28.3/49

All: 2024.416+/-98.668 χ^2/NDF: 70.4/95

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: 786.180+/-0.152 χ^2/NDF: 19024.0/25

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

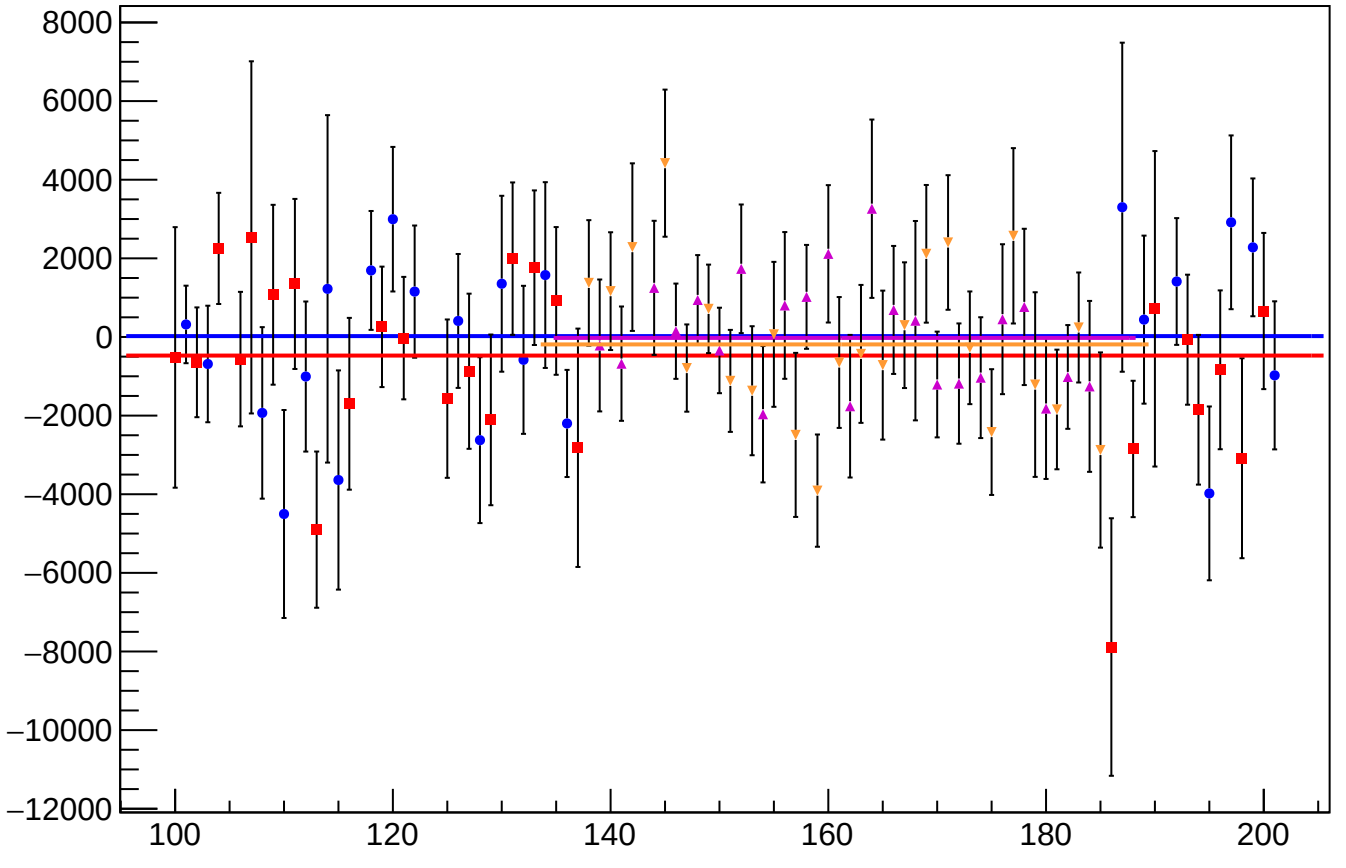
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.288+/-0.109 χ^2/NDF: 34155.9/48

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

Out: 781.793+/-0.098 χ^2/NDF:23824.9/49

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95



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: -472.919+/-388.759 χ^2/NDF: 25.0/25

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

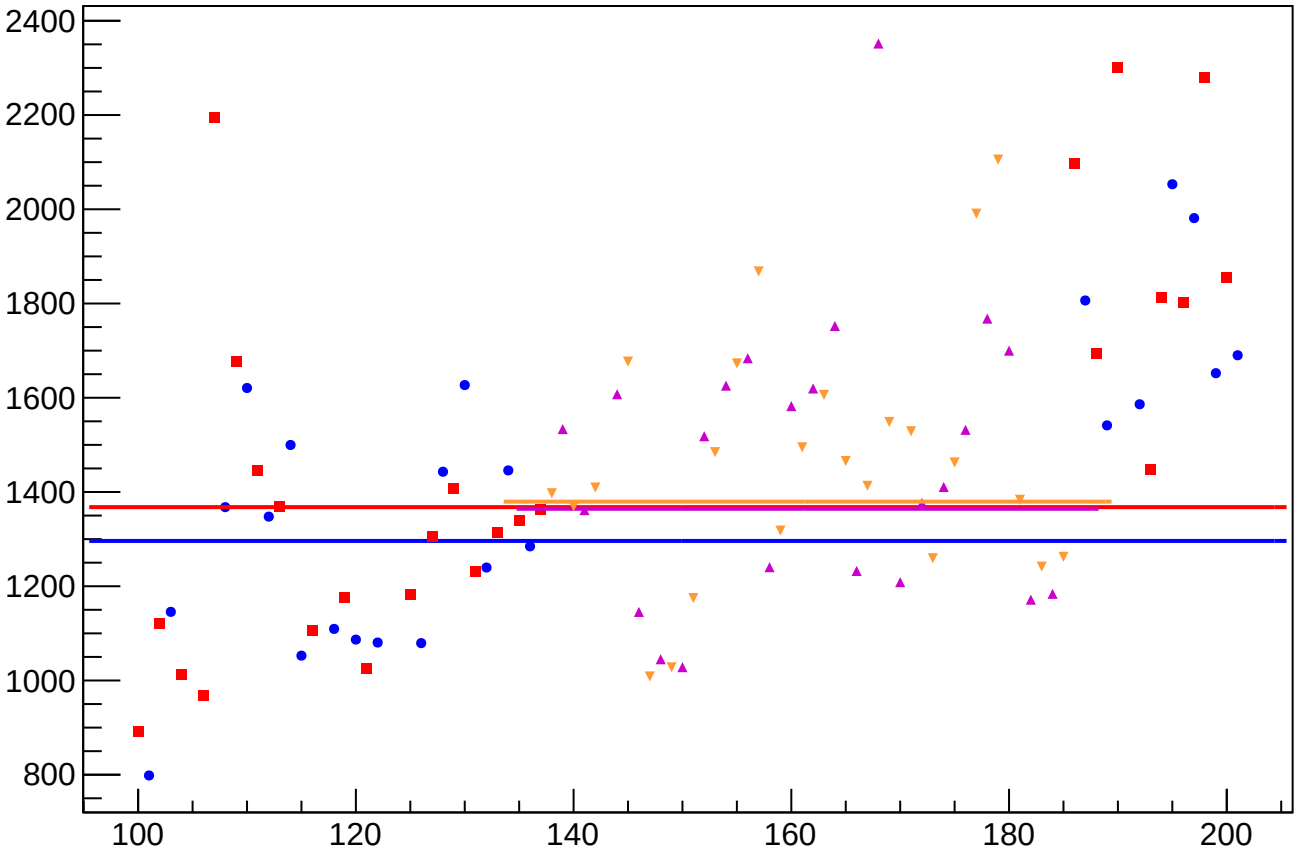
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -221.511+/-272.758 χ^2/NDF: 49.7/48

In: -4.434+/-248.105 χ^2/NDF:37.4/45

Out: -306.930+/-250.547 χ^2/NDF:54.9/49

All: -154.201+/-176.294 χ^2/NDF: 93.0/95



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: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

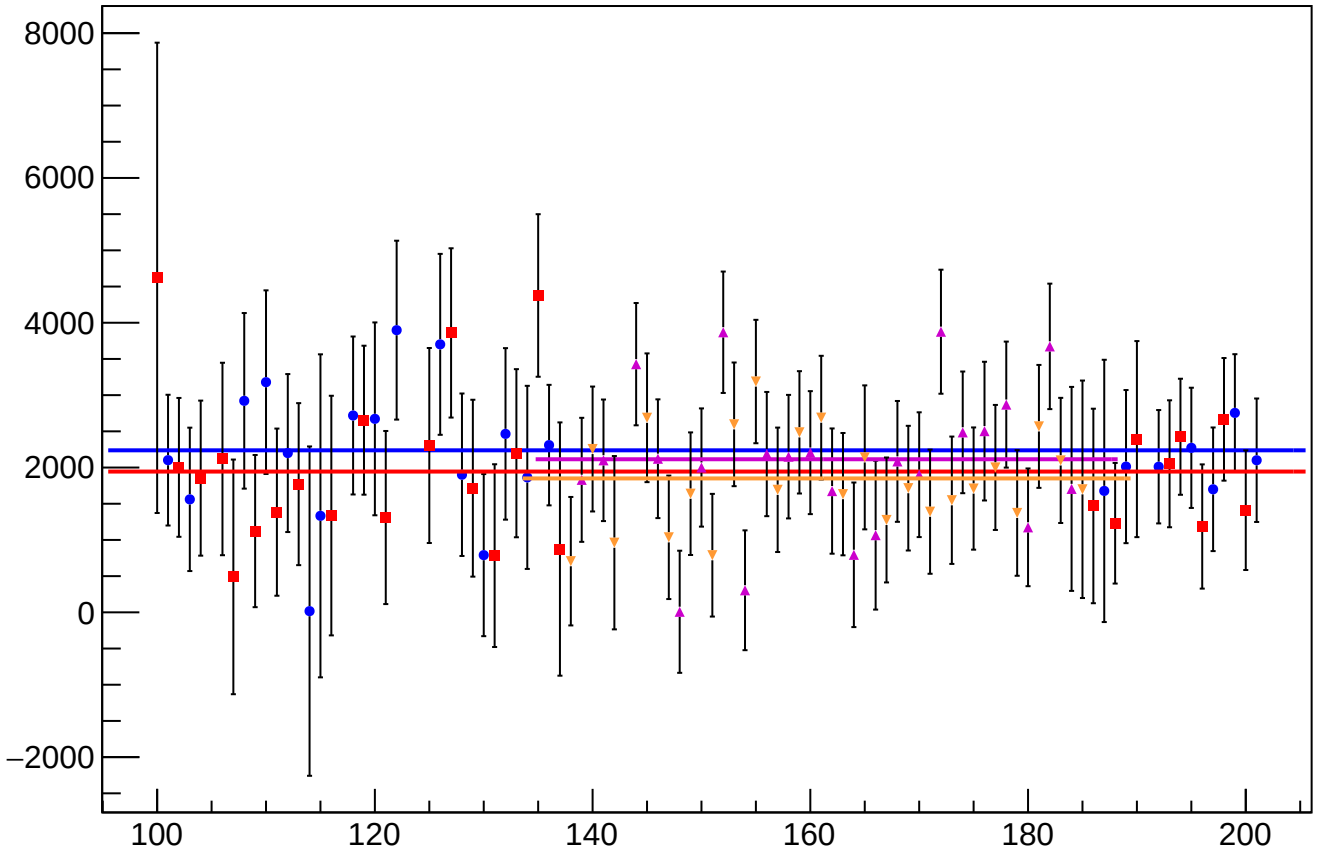
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1331.472+/-0.193 χ^2/NDF: 3017905.3/48

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

Out: 1374.702+/-0.177 χ^2/NDF:2656683.8/49

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95



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: 1944.485+/-215.551 χ^2/NDF: 15.3/25

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

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

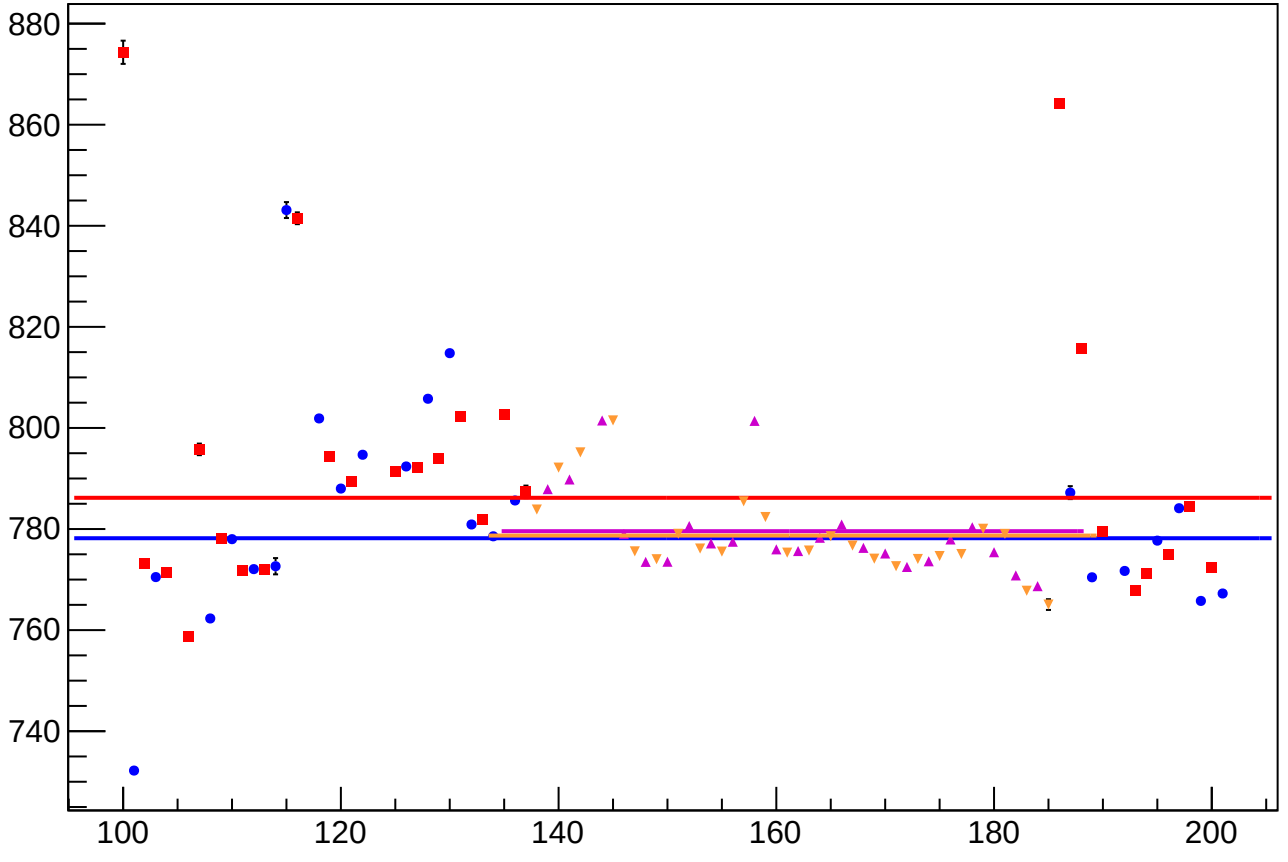
Right: 2087.259+/-154.440 χ^2/NDF: 25.1/48

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

Out: 1888.766+/-138.495 χ^2/NDF:28.3/49

All: 2024.416+/-98.668 χ^2/NDF: 70.4/95

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: 786.180+/-0.152 χ^2/NDF: 19024.0/25

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

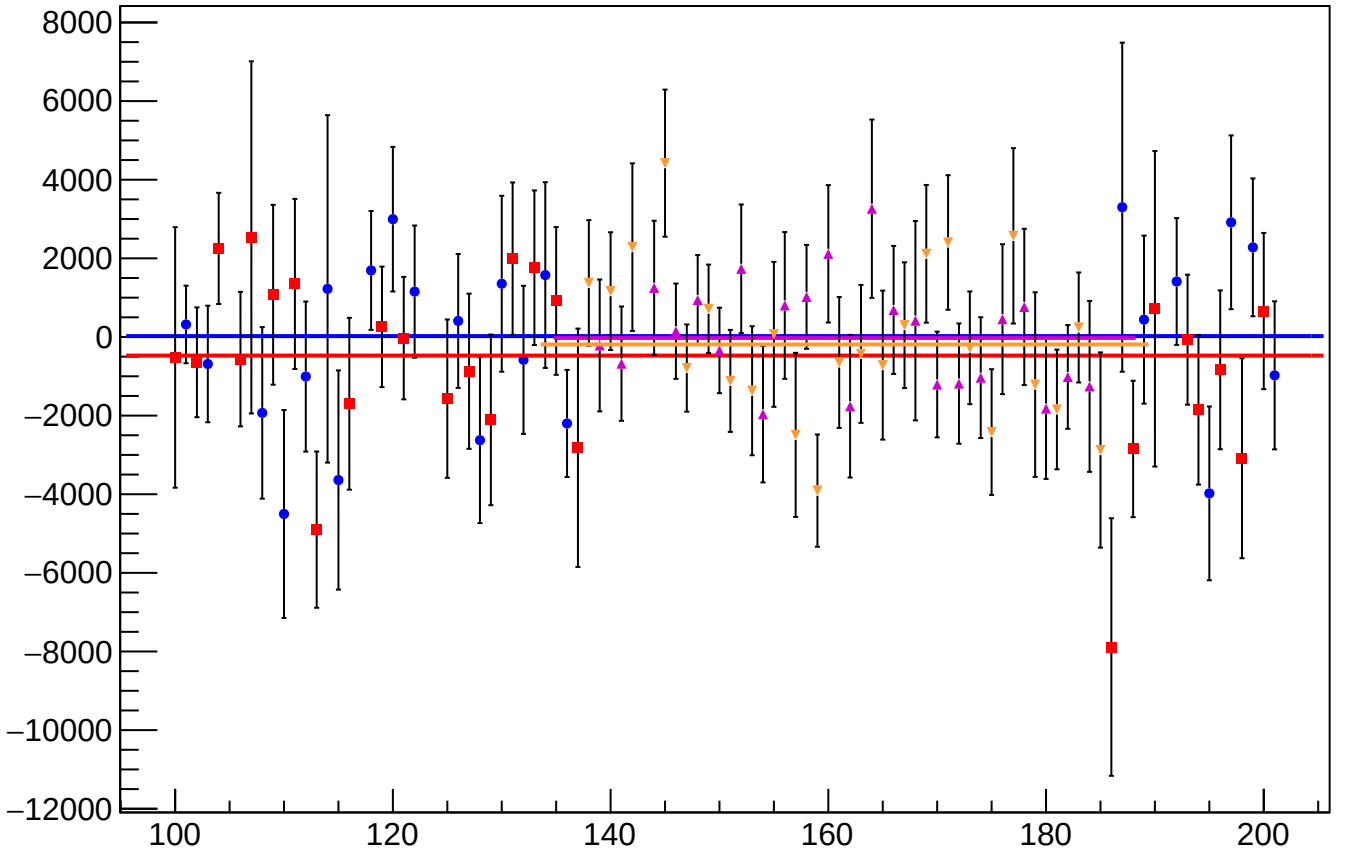
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.288+/-0.109 χ^2/NDF: 34155.9/48

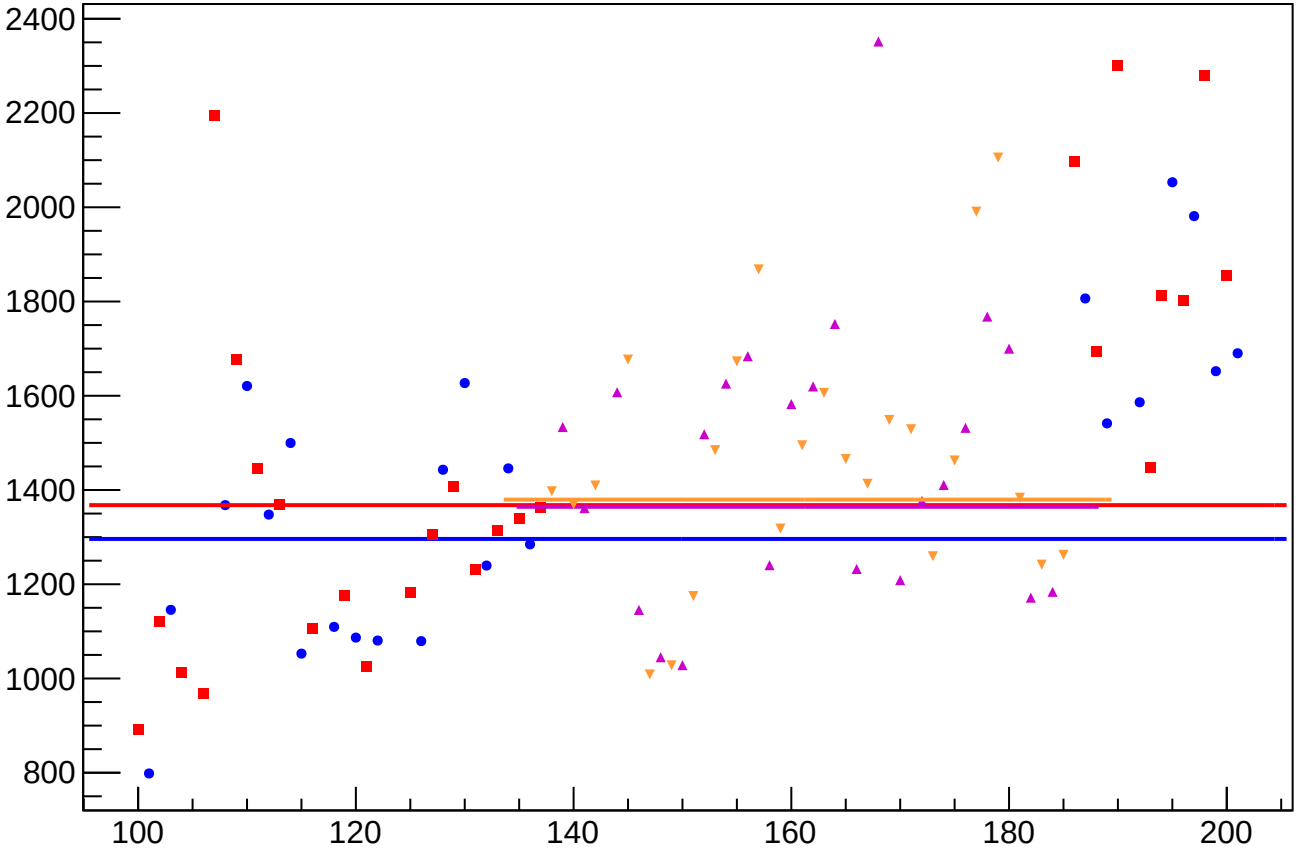
In: 779.013+/-0.099 χ^2/NDF:18012.0/45

Out: 781.793+/-0.098 χ^2/NDF:23824.9/49

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95


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: -472.919+/-388.759 χ²/NDF: 25.0/25
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -221.511+/-272.758 χ²/NDF: 49.7/48
In: -4.434+/-248.105 χ²/NDF:37.4/45
Out: -306.930+/-250.547 χ²/NDF:54.9/49
All: -154.201+/-176.294 χ²/NDF: 93.0/95

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: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

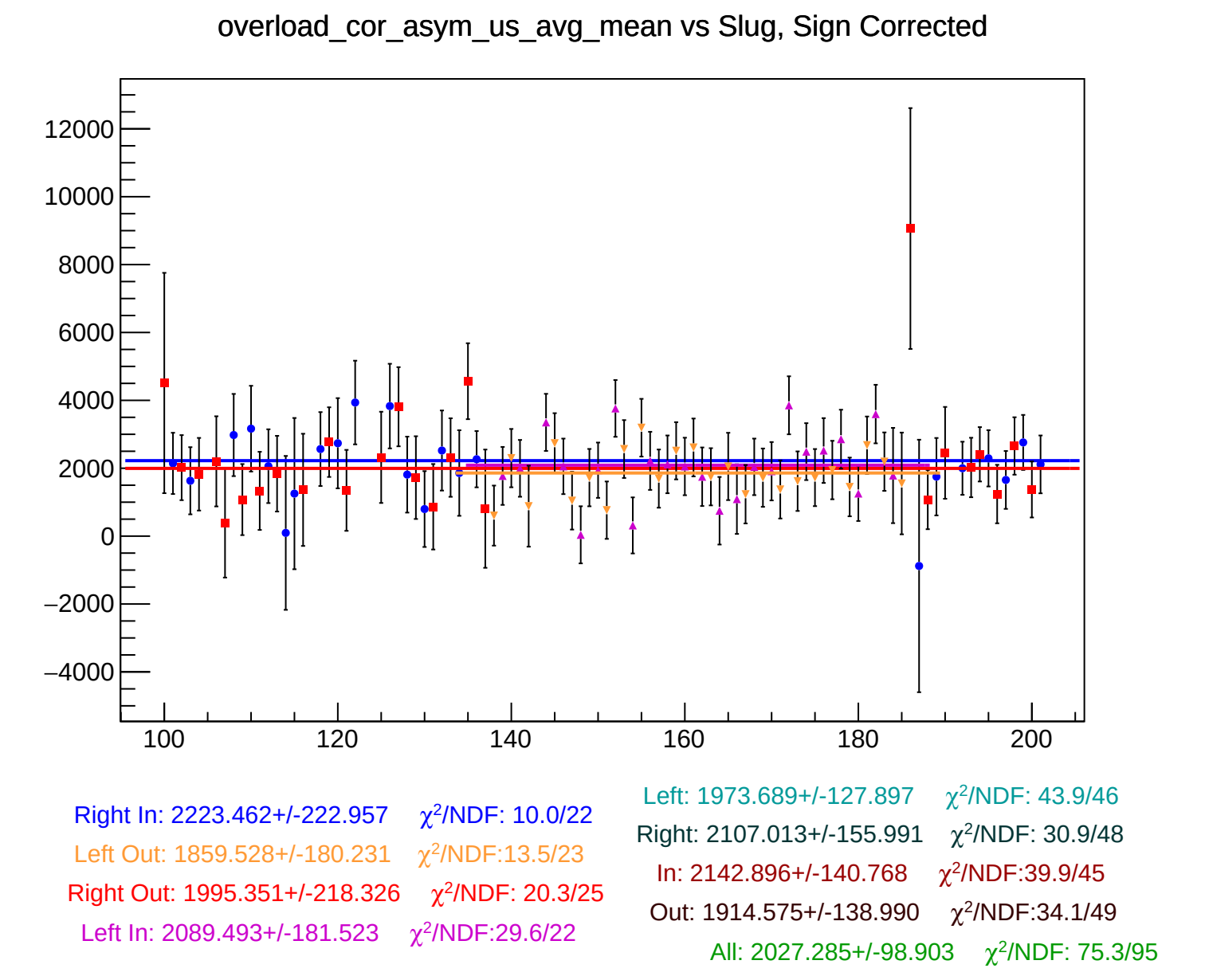
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

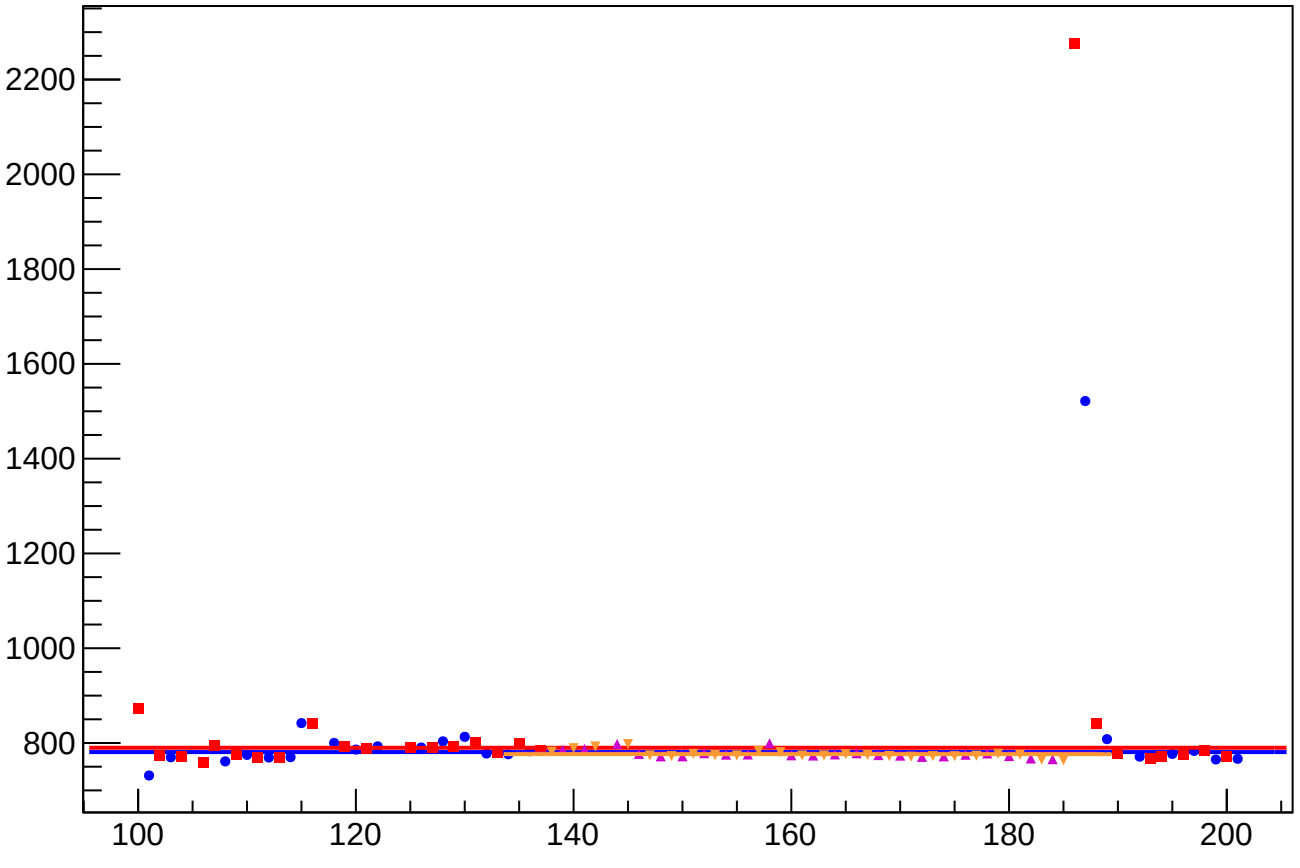
Right: 1331.472+/-0.193 χ^2/NDF: 3017905.3/48

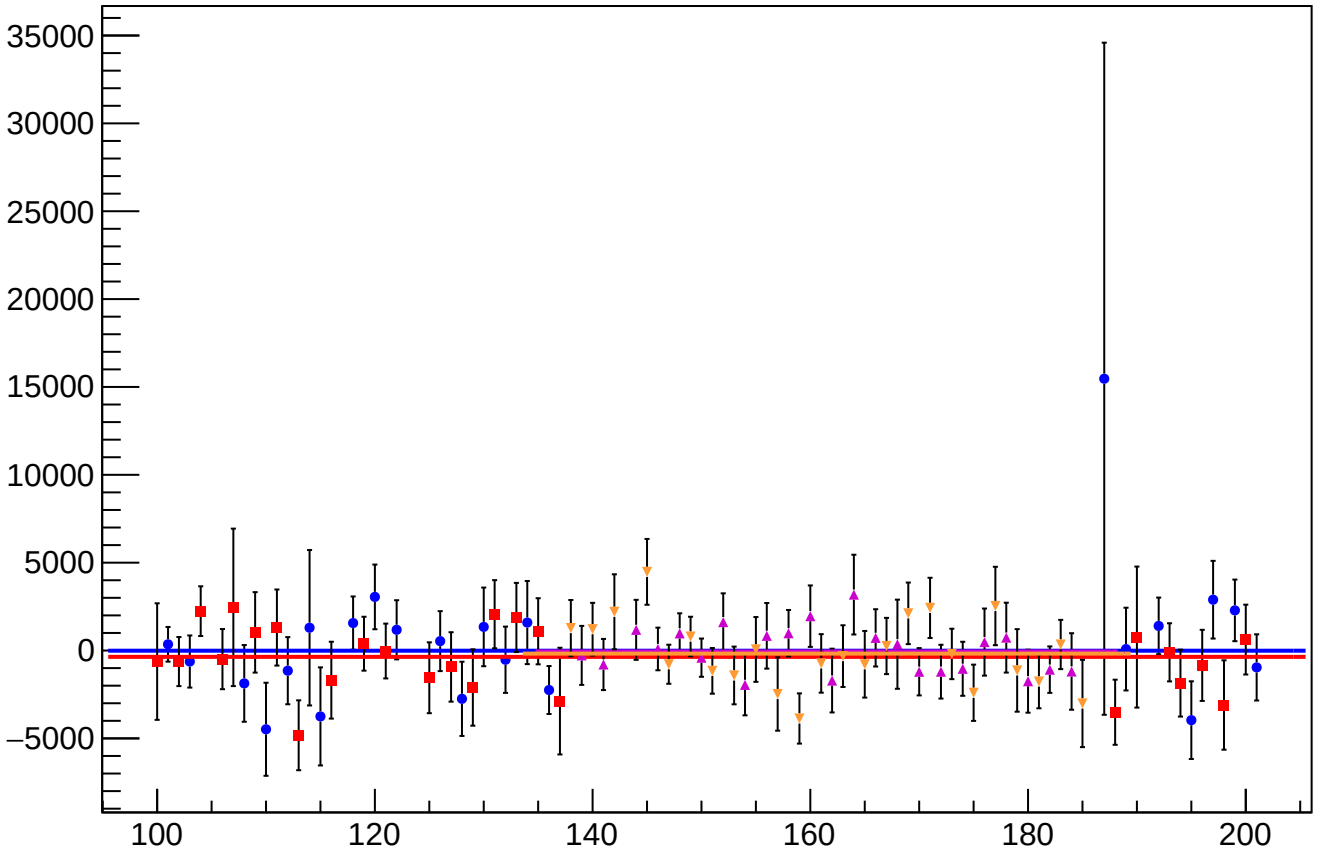
In: 1335.738+/-0.175 χ^2/NDF:2835331.8/45

Out: 1374.702+/-0.177 χ^2/NDF:2656683.8/49

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 2223.462+/-222.957 χ²/NDF: 10.0/22
Left Out: 1859.528+/-180.231 χ²/NDF:13.5/23
Right Out: 1995.351+/-218.326 χ²/NDF: 20.3/25
Left In: 2089.493+/-181.523 χ²/NDF:29.6/22
Left: 1973.689+/-127.897 χ²/NDF: 43.9/46
Right: 2107.013+/-155.991 χ²/NDF: 30.9/48
In: 2142.896+/-140.768 χ²/NDF:39.9/45
Out: 1914.575+/-138.990 χ²/NDF:34.1/49
All: 2027.285+/-98.903 χ²/NDF: 75.3/95


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: 789.966+/-0.154 χ²/NDF: 369839.5/25
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 785.494+/-0.110 χ²/NDF: 465752.5/48
In: 778.775+/-0.100 χ²/NDF:98543.3/45
Out: 781.971+/-0.098 χ²/NDF:377486.3/49
All: 780.393+/-0.070 χ²/NDF: 476551.7/95



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: -360.338+/-393.055 χ^2/NDF: 20.8/24

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

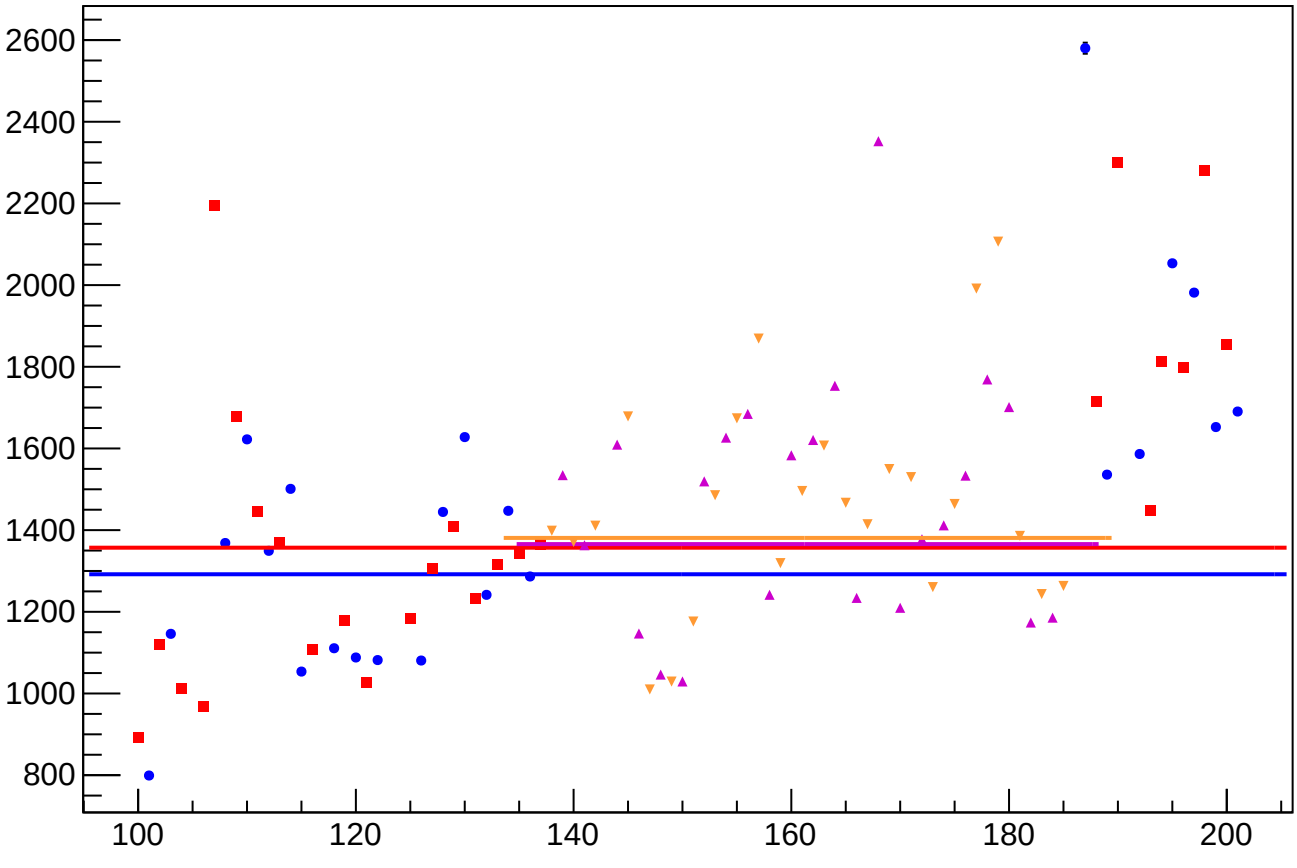
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

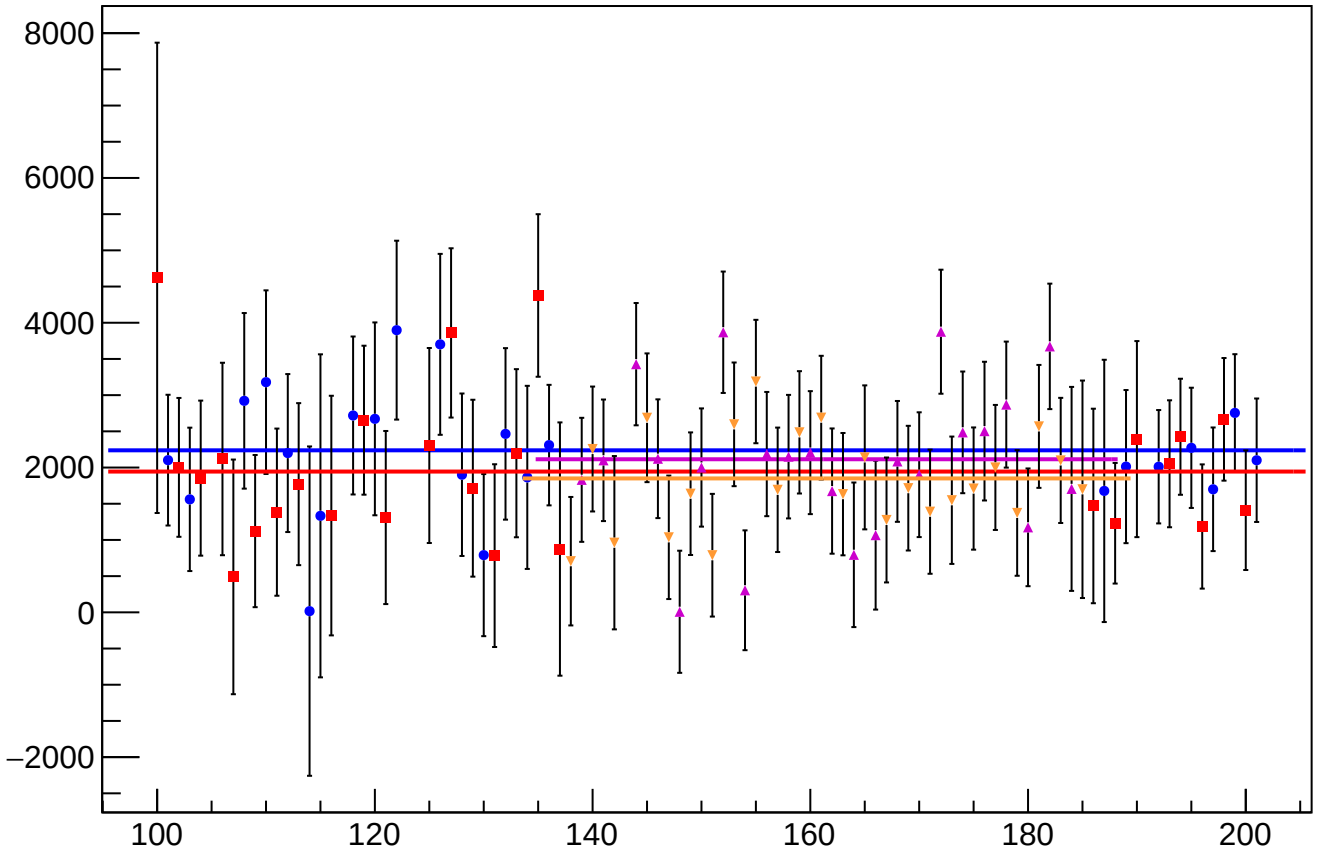
Right: -181.806+/-275.304 χ^2/NDF: 45.3/47

In: -34.917+/-249.041 χ^2/NDF:37.1/45

Out: -251.040+/-251.829 χ^2/NDF:50.5/48

All: -141.775+/-177.076 χ^2/NDF: 88.0/94


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: 1357.009+/-0.278 χ²/NDF: 1389803.1/24
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1323.864+/-0.195 χ²/NDF: 2874078.3/47
In: 1335.019+/-0.176 χ²/NDF:2807991.2/45
Out: 1371.124+/-0.178 χ²/NDF:2549615.6/48
All: 1352.870+/-0.125 χ²/NDF: 5378390.9/94



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: 1944.485+/-215.551 χ^2/NDF: 15.3/25

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

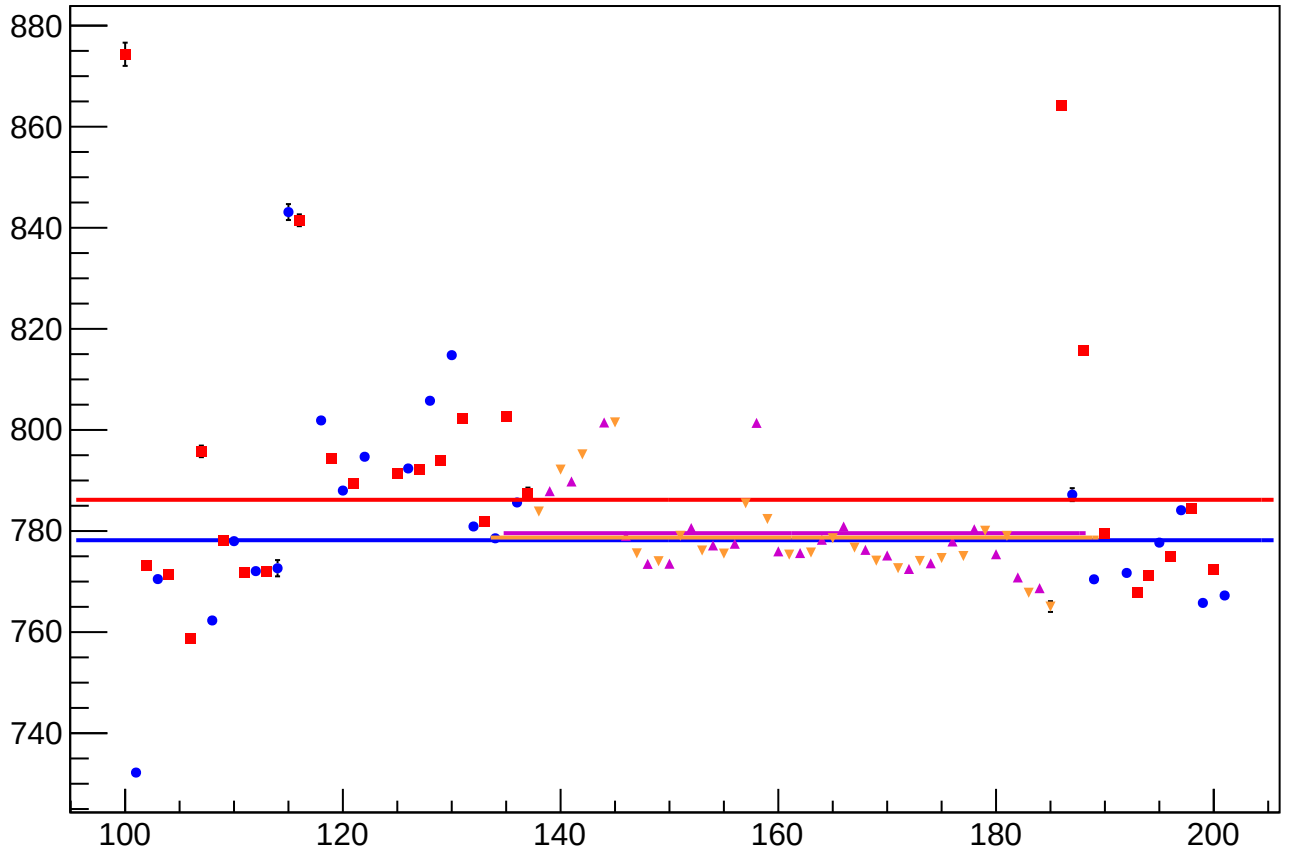
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2087.259+/-154.440 χ^2/NDF: 25.1/48

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

Out: 1888.766+/-138.495 χ^2/NDF:28.3/49

All: 2024.416+/-98.668 χ^2/NDF: 70.4/95



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: 786.180+/-0.152 χ^2/NDF: 19024.0/25

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

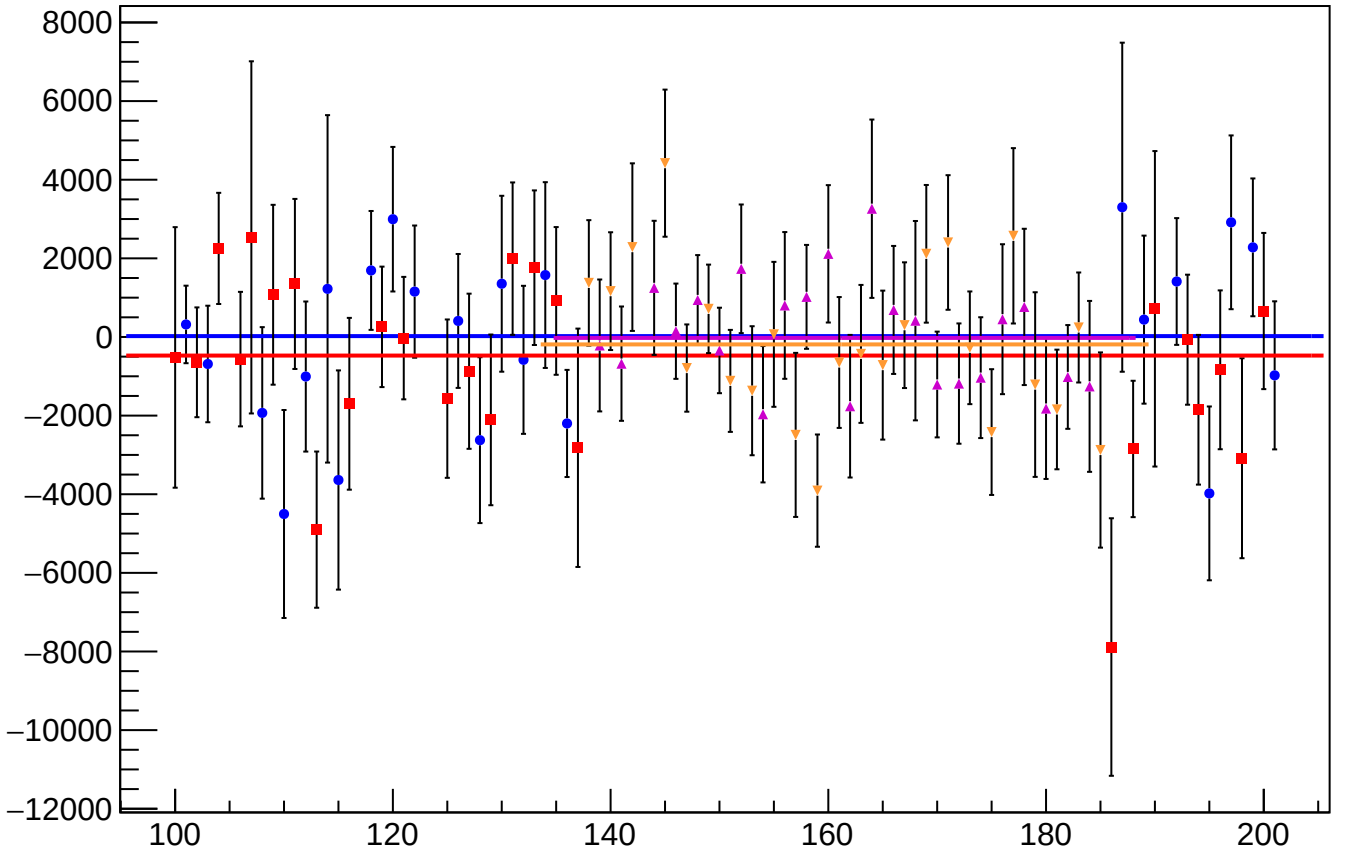
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.288+/-0.109 χ^2/NDF: 34155.9/48

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

Out: 781.793+/-0.098 χ^2/NDF:23824.9/49

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95



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: -472.919+/-388.759 χ^2/NDF: 25.0/25

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

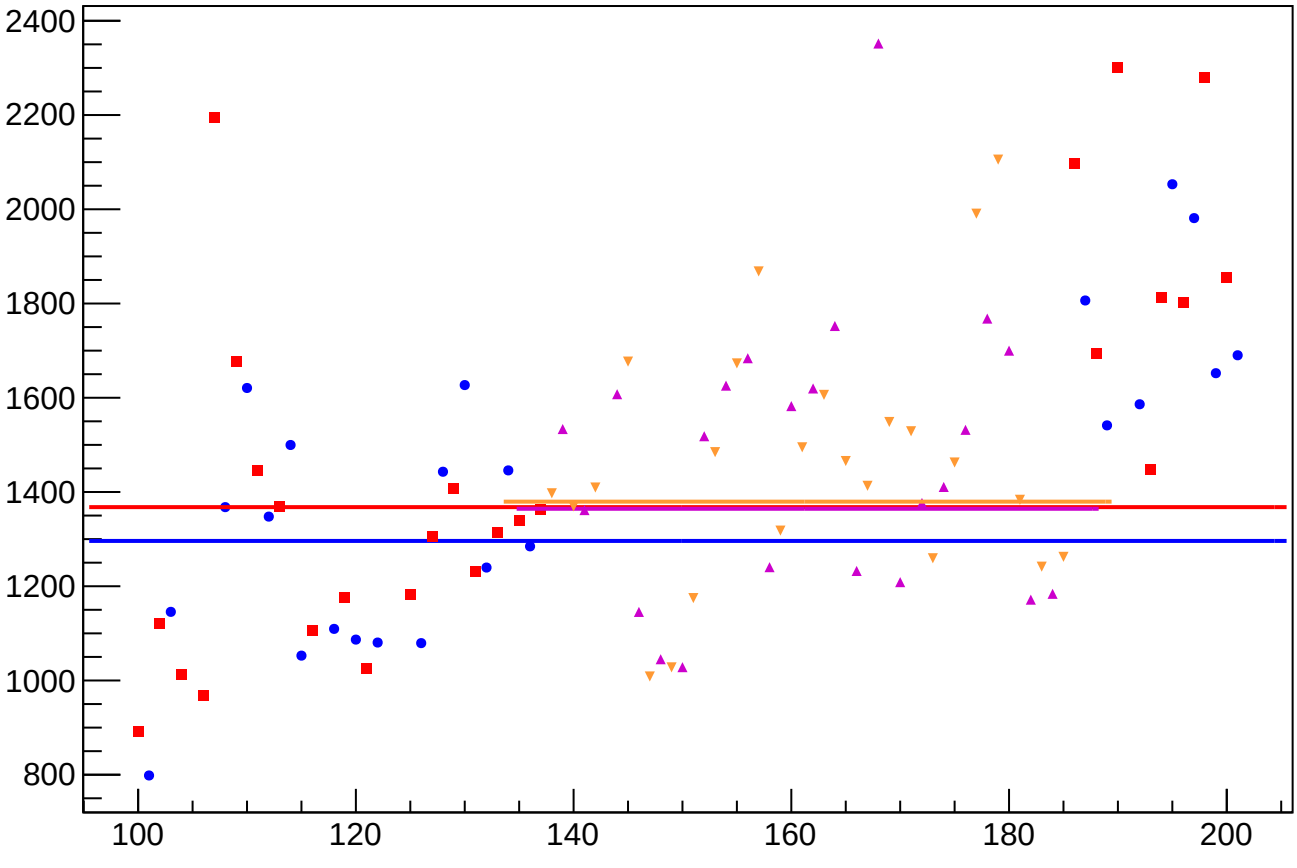
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -221.511+/-272.758 χ^2/NDF: 49.7/48

In: -4.434+/-248.105 χ^2/NDF:37.4/45

Out: -306.930+/-250.547 χ^2/NDF:54.9/49

All: -154.201+/-176.294 χ^2/NDF: 93.0/95



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: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

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

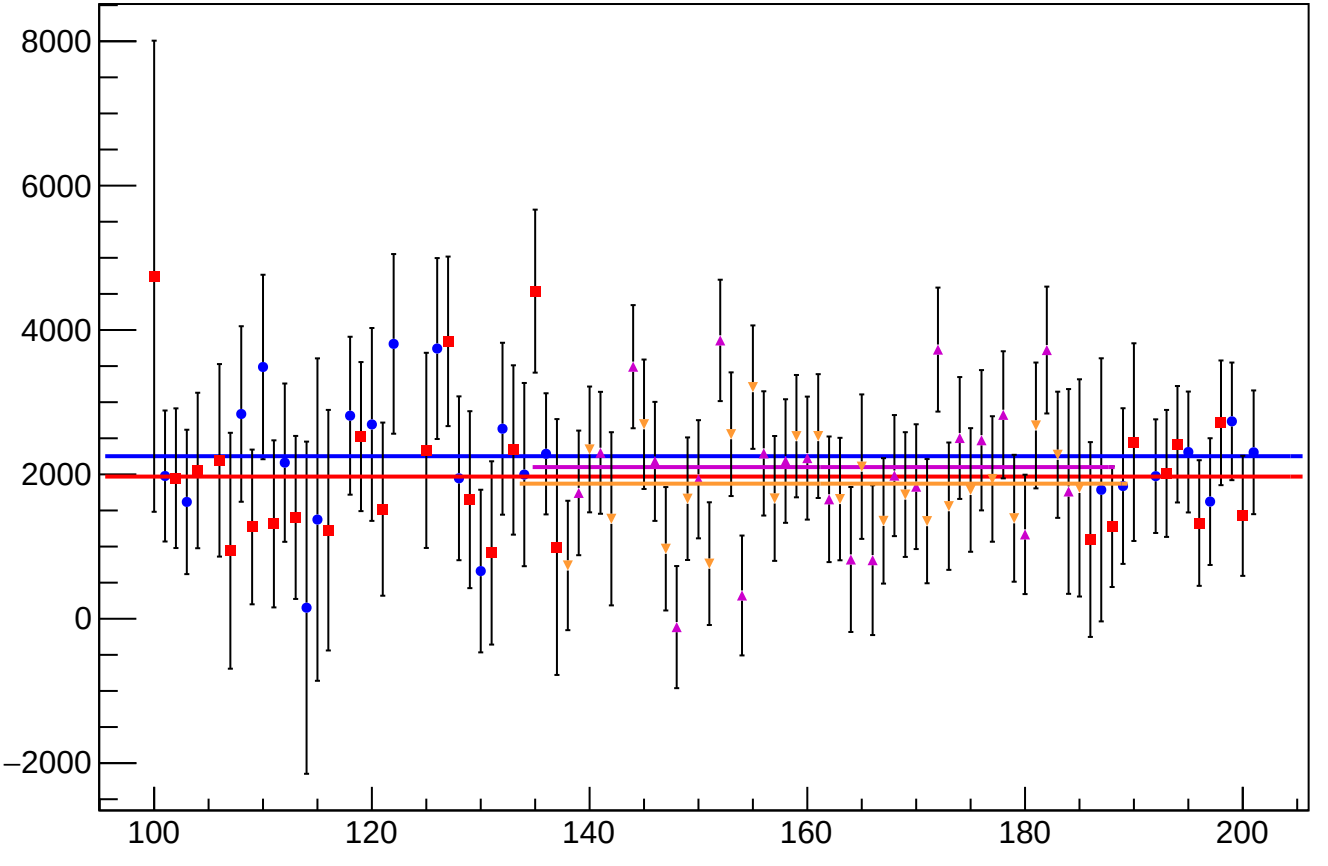
Right: 1331.472+/-0.193 χ^2/NDF: 3017905.3/48

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

Out: 1374.702+/-0.177 χ^2/NDF:2656683.8/49

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95

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: 1969.507+/-217.206 χ^2/NDF: 15.0/25

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

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

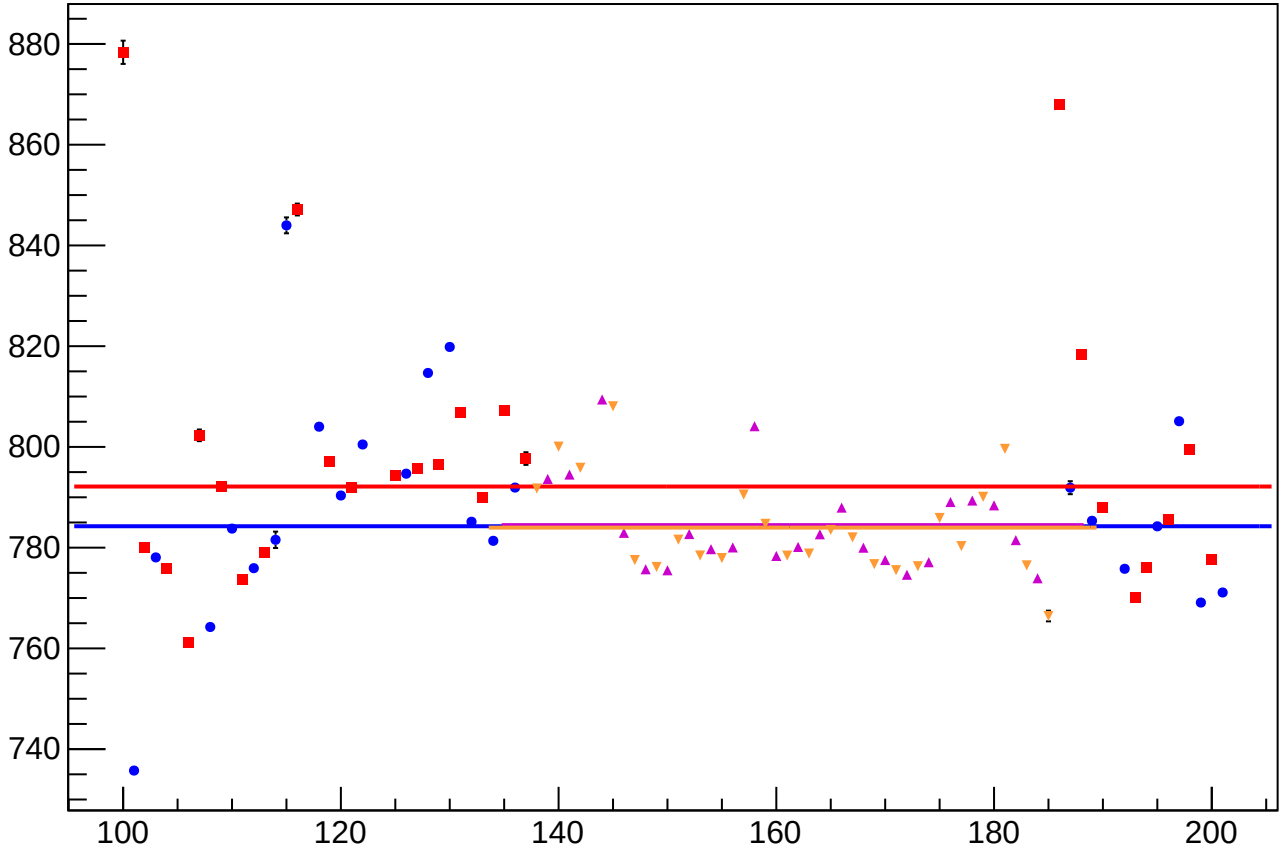
Right: 2106.850+/-155.648 χ^2/NDF: 25.2/48

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

Out: 1911.896+/-139.491 χ^2/NDF:27.6/49

All: 2034.956+/-99.368 χ^2/NDF: 70.6/95

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: 792.137+/-0.154 χ^2/NDF: 18244.8/25

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

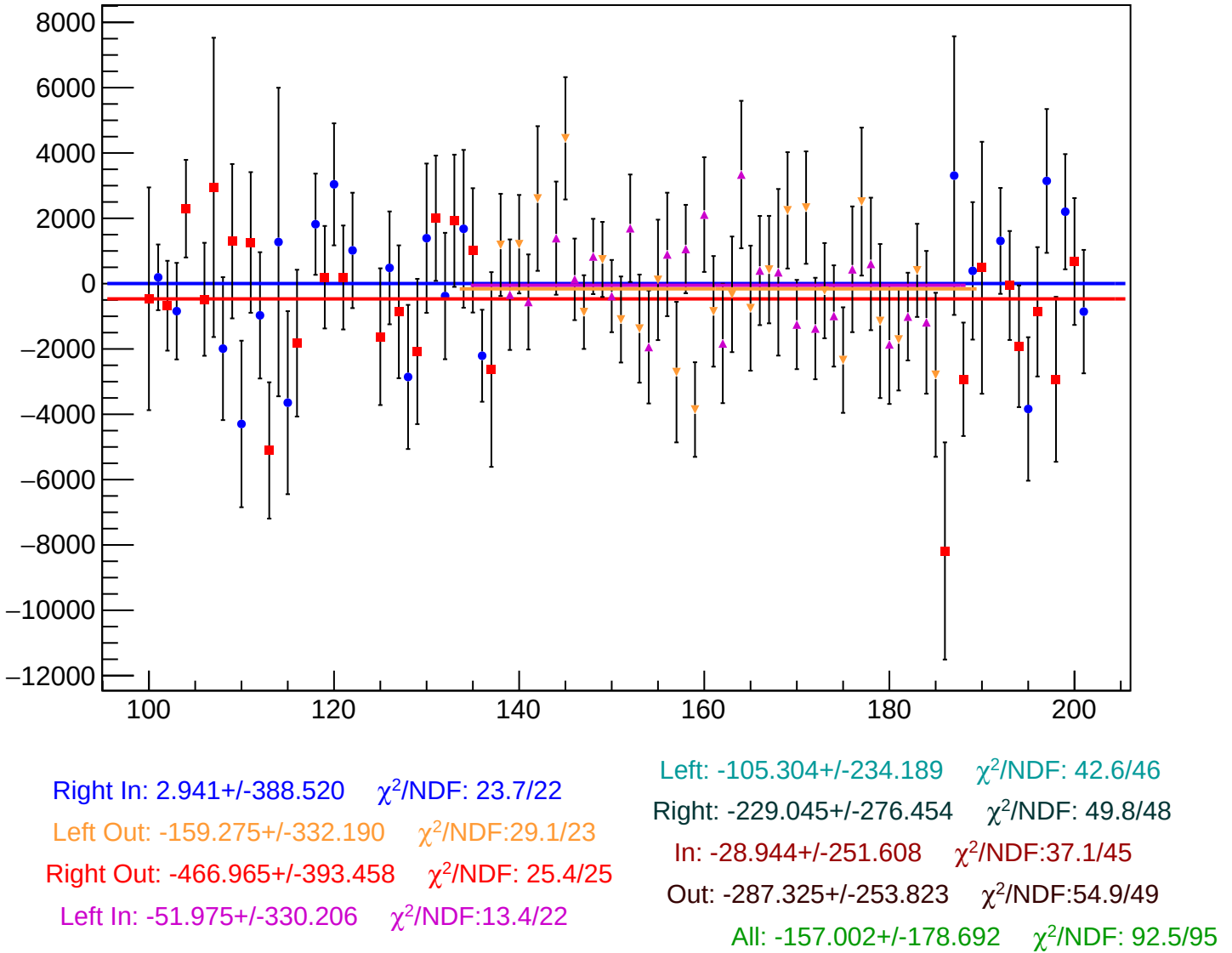
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

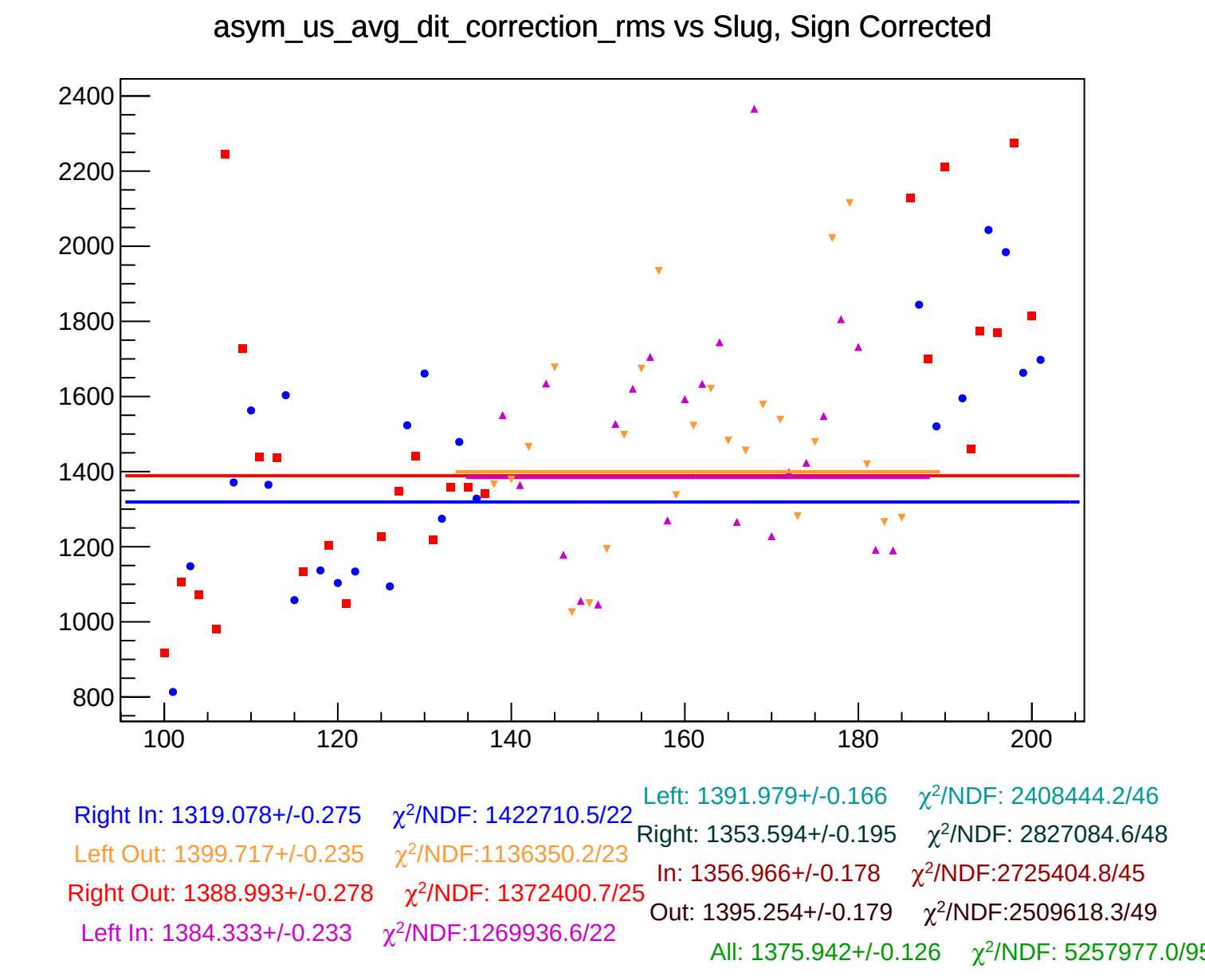
Right: 788.301+/-0.110 χ^2/NDF: 34755.9/48

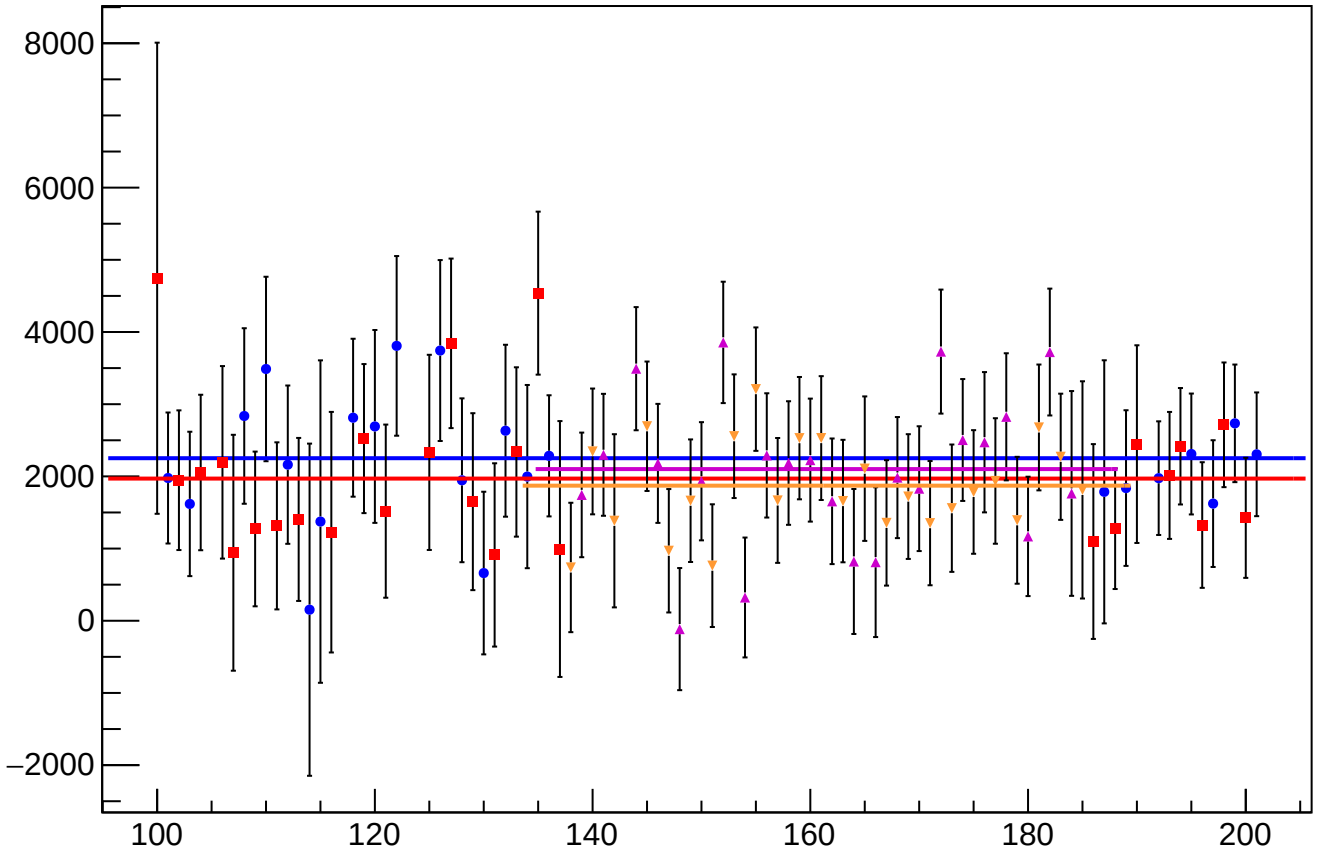
In: 784.384+/-0.100 χ^2/NDF:20157.7/45

Out: 787.345+/-0.099 χ^2/NDF:24829.5/49

All: 785.886+/-0.070 χ^2/NDF: 45431.2/95


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: -466.965+/-393.458 χ²/NDF: 25.4/25
Left In: -51.975+/-330.206 χ²/NDF:13.4/22
Left: -105.304+/-234.189 χ²/NDF: 42.6/46
Right: -229.045+/-276.454 χ²/NDF: 49.8/48
In: -28.944+/-251.608 χ²/NDF:37.1/45
Out: -287.325+/-253.823 χ²/NDF:54.9/49
All: -157.002+/-178.692 χ²/NDF: 92.5/95


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: 1388.993+/-0.278 χ²/NDF: 1372400.7/25
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1353.594+/-0.195 χ²/NDF: 2827084.6/48
In: 1356.966+/-0.178 χ²/NDF:2725404.8/45
Out: 1395.254+/-0.179 χ²/NDF:2509618.3/49
All: 1375.942+/-0.126 χ²/NDF: 5257977.0/95



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: 1969.506+/-217.206 χ^2/NDF: 15.0/25

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

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

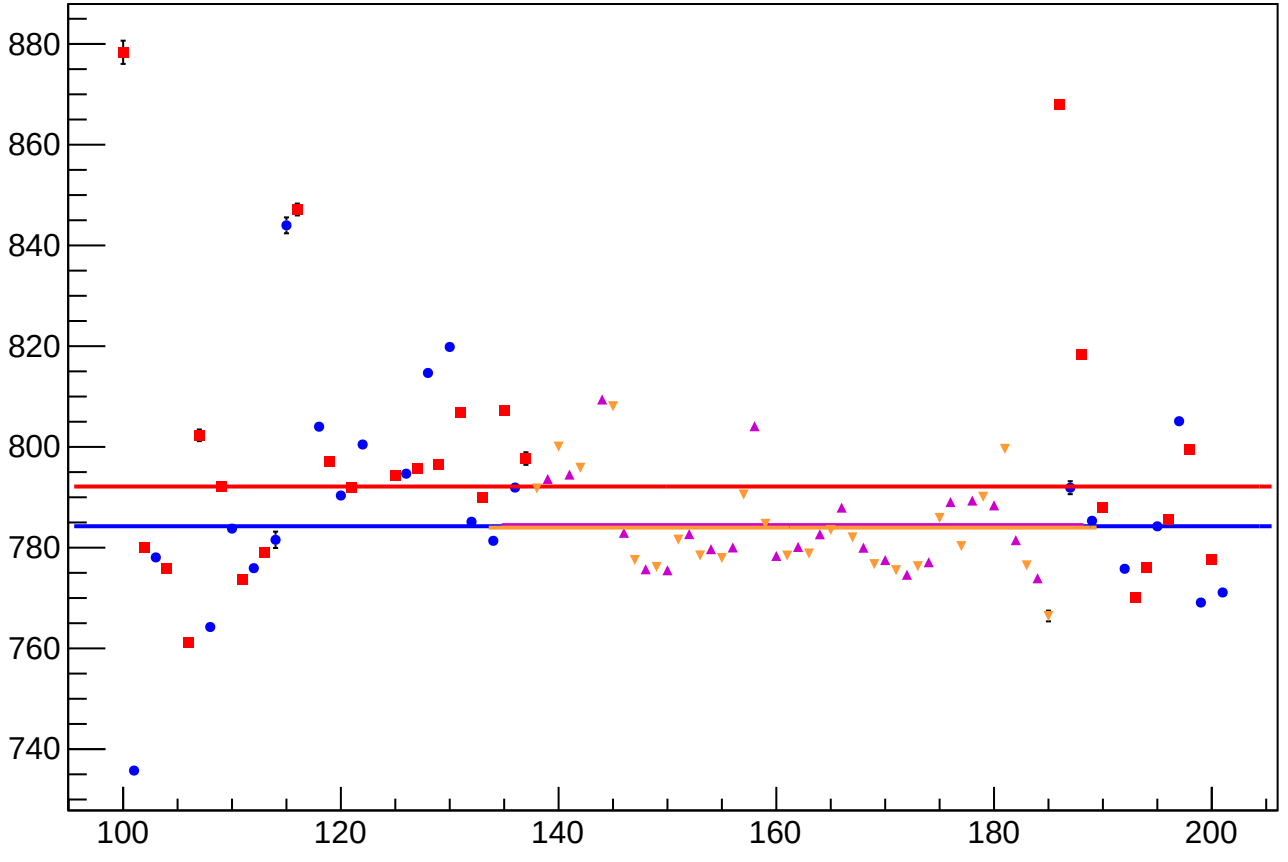
Right: 2106.849+/-155.648 χ^2/NDF: 25.2/48

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

Out: 1911.894+/-139.491 χ^2/NDF:27.6/49

All: 2034.955+/-99.368 χ^2/NDF: 70.6/95

eigen_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: 792.137+/-0.154 χ^2/NDF: 18244.9/25

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

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

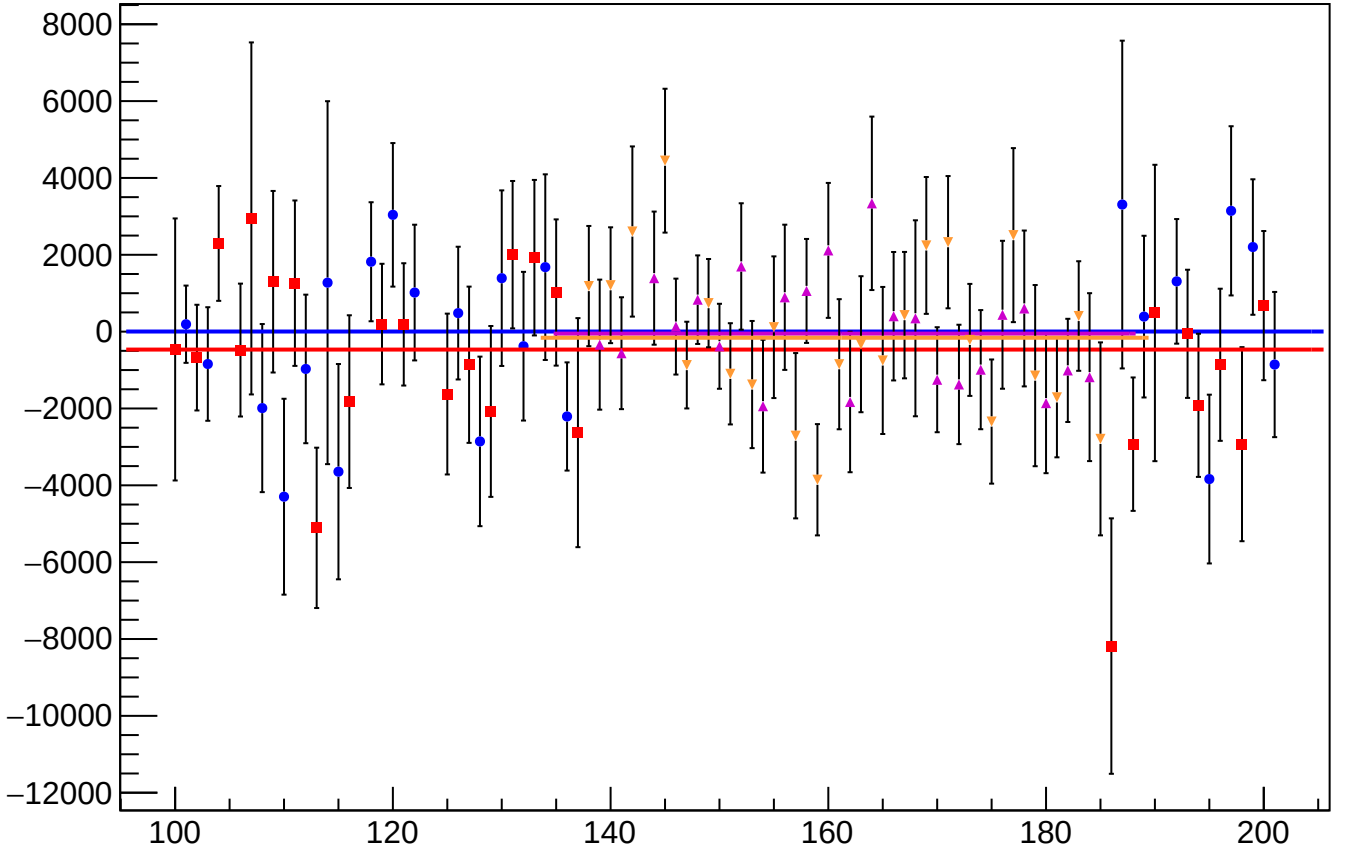
Right: 788.301+/-0.110 χ^2/NDF: 34755.9/48

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

Out: 787.345+/-0.099 χ^2/NDF:24829.5/49

All: 785.886+/-0.070 χ^2/NDF: 45431.1/95

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -466.963+/-393.457 χ^2/NDF: 25.4/25

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

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

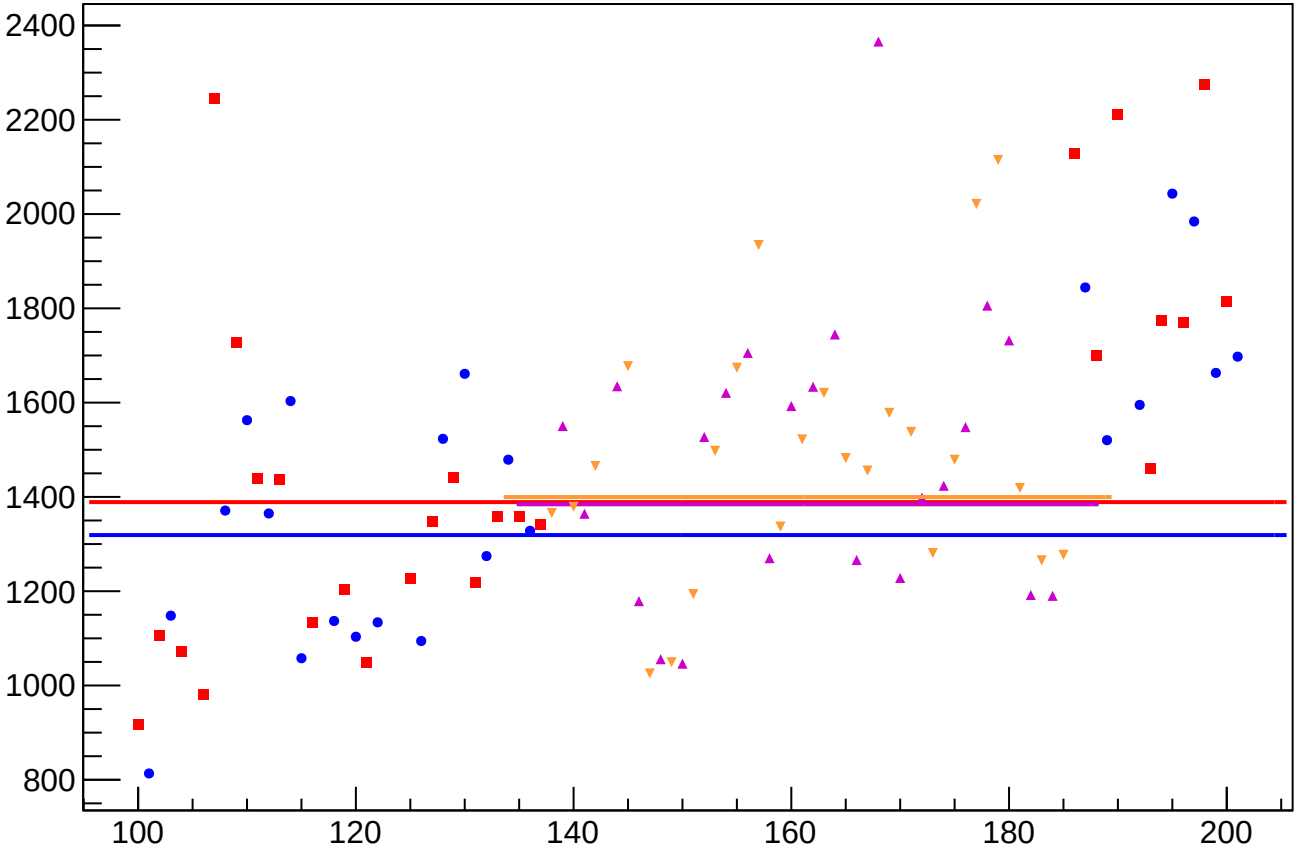
Right: -229.044+/-276.454 χ^2/NDF: 49.8/48

In: -28.943+/-251.608 χ^2/NDF:37.1/45

Out: -287.327+/-253.823 χ^2/NDF:54.9/49

All: -157.003+/-178.692 χ^2/NDF: 92.5/95

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1388.990+/-0.278 χ^2/NDF: 1372415.0/25

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

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

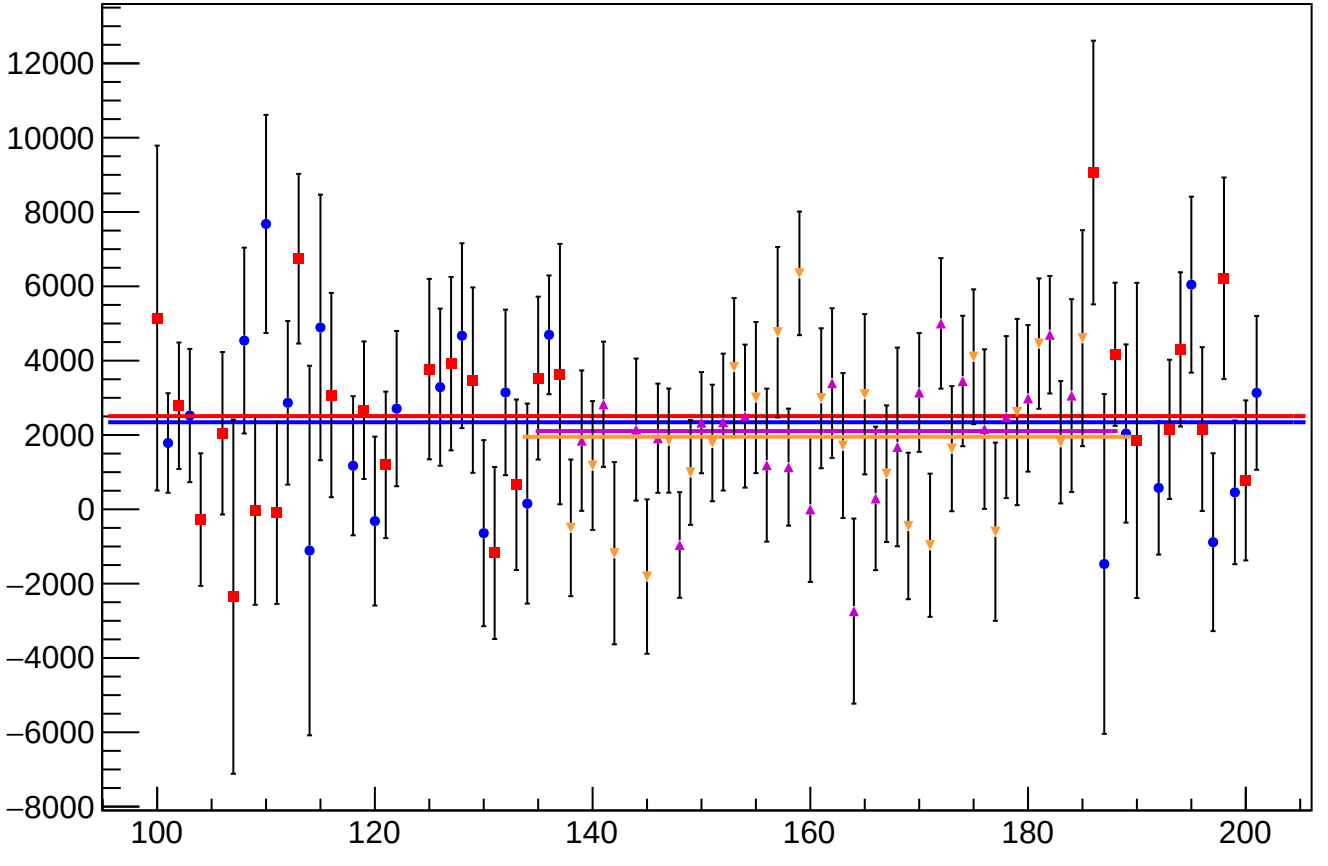
Right: 1353.592+/-0.195 χ^2/NDF: 2827110.5/48

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

Out: 1395.254+/-0.179 χ^2/NDF:2509634.6/49

All: 1375.942+/-0.126 χ^2/NDF: 5258010.6/95

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: 2508.659+/-455.692 χ^2/NDF: 21.7/25

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

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

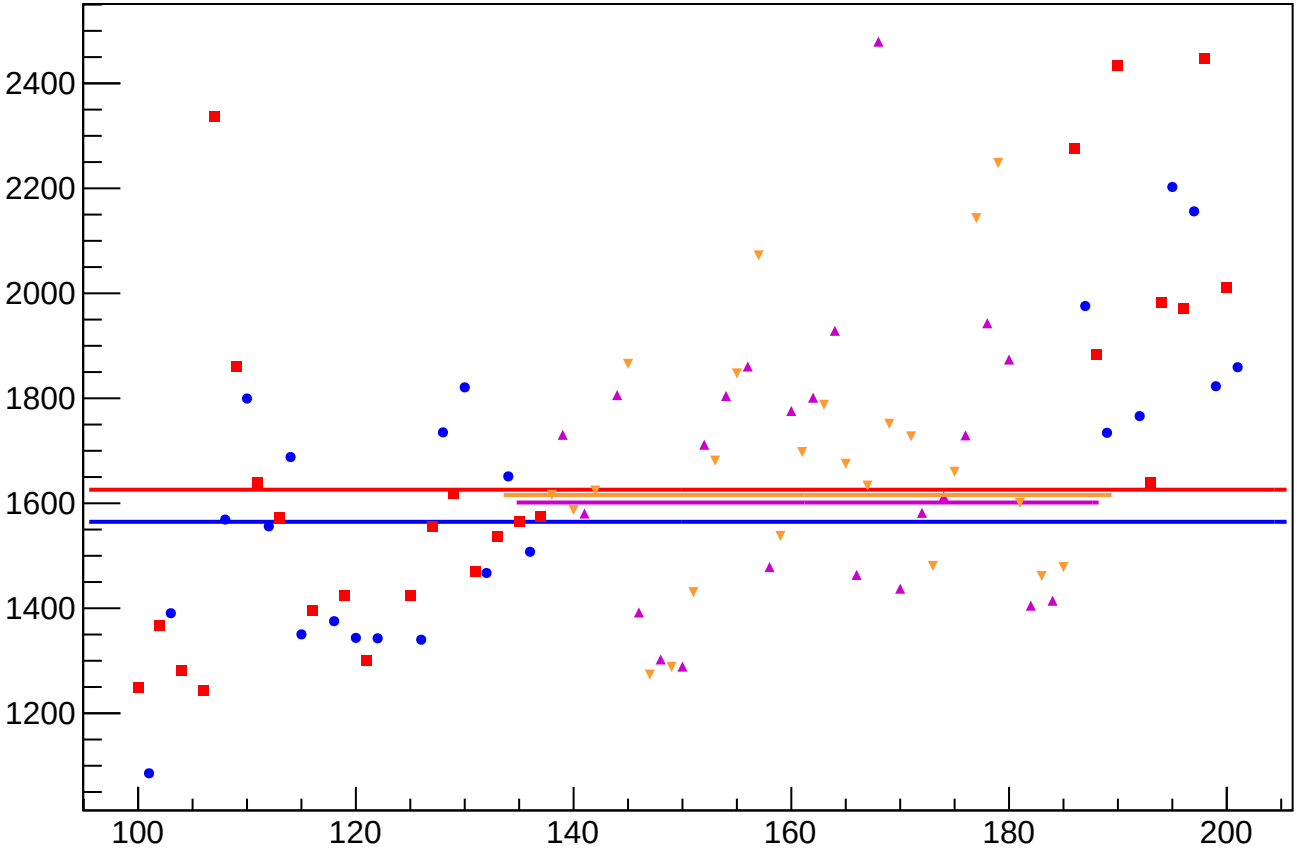
Right: 2425.822+/-321.802 χ^2/NDF: 41.4/48

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

Out: 2180.751+/-291.965 χ^2/NDF:50.0/49

All: 2191.932+/-206.144 χ^2/NDF: 88.3/95

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: 1625.869+/-0.322 χ^2/NDF: 909835.5/25

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

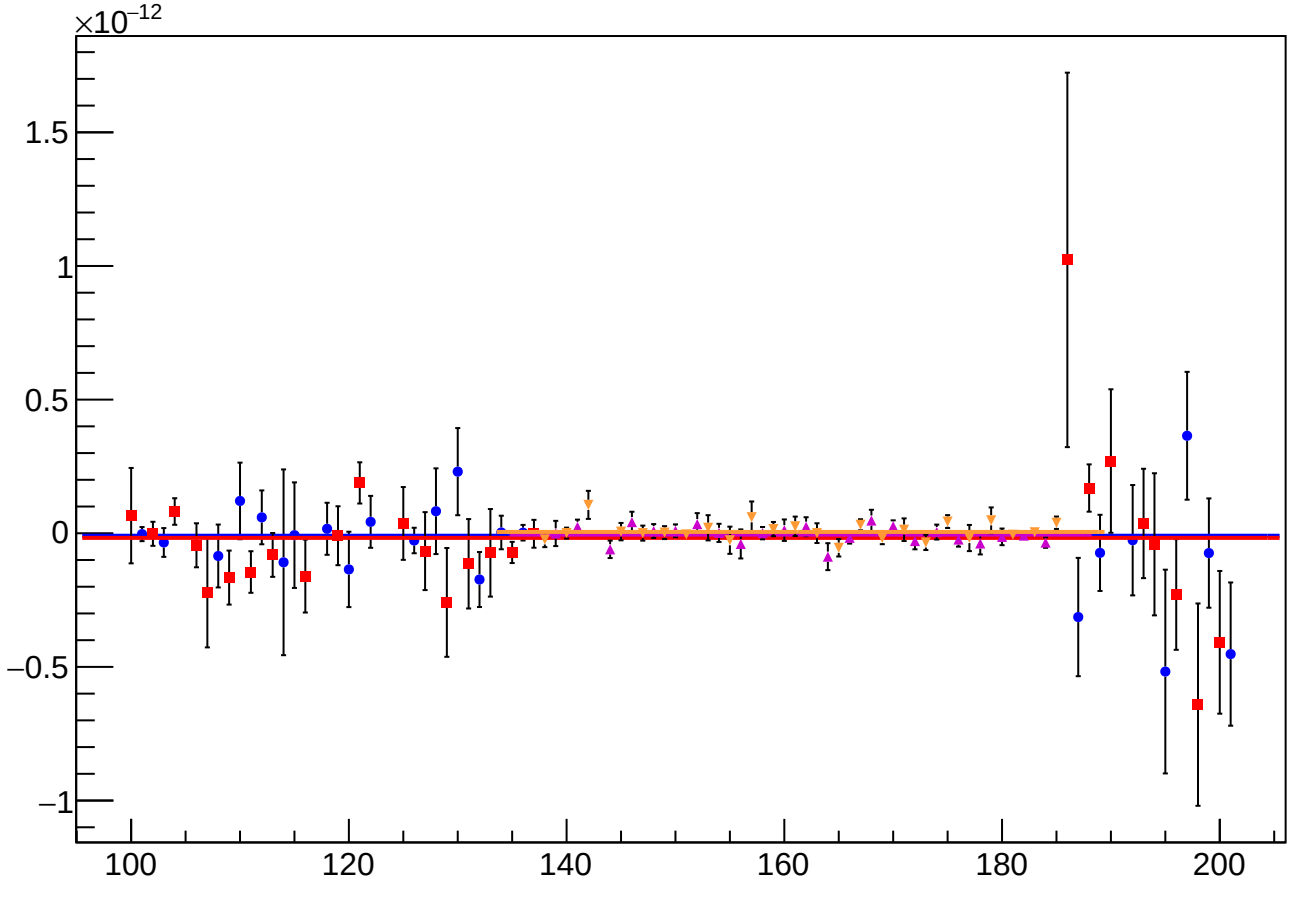
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1595.223+/-0.228 χ^2/NDF: 1742191.0/48

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

Out: 1619.965+/-0.206 χ^2/NDF:1604758.3/49

All: 1603.141+/-0.146 χ^2/NDF: 3233750.5/95



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: 36.9/25

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

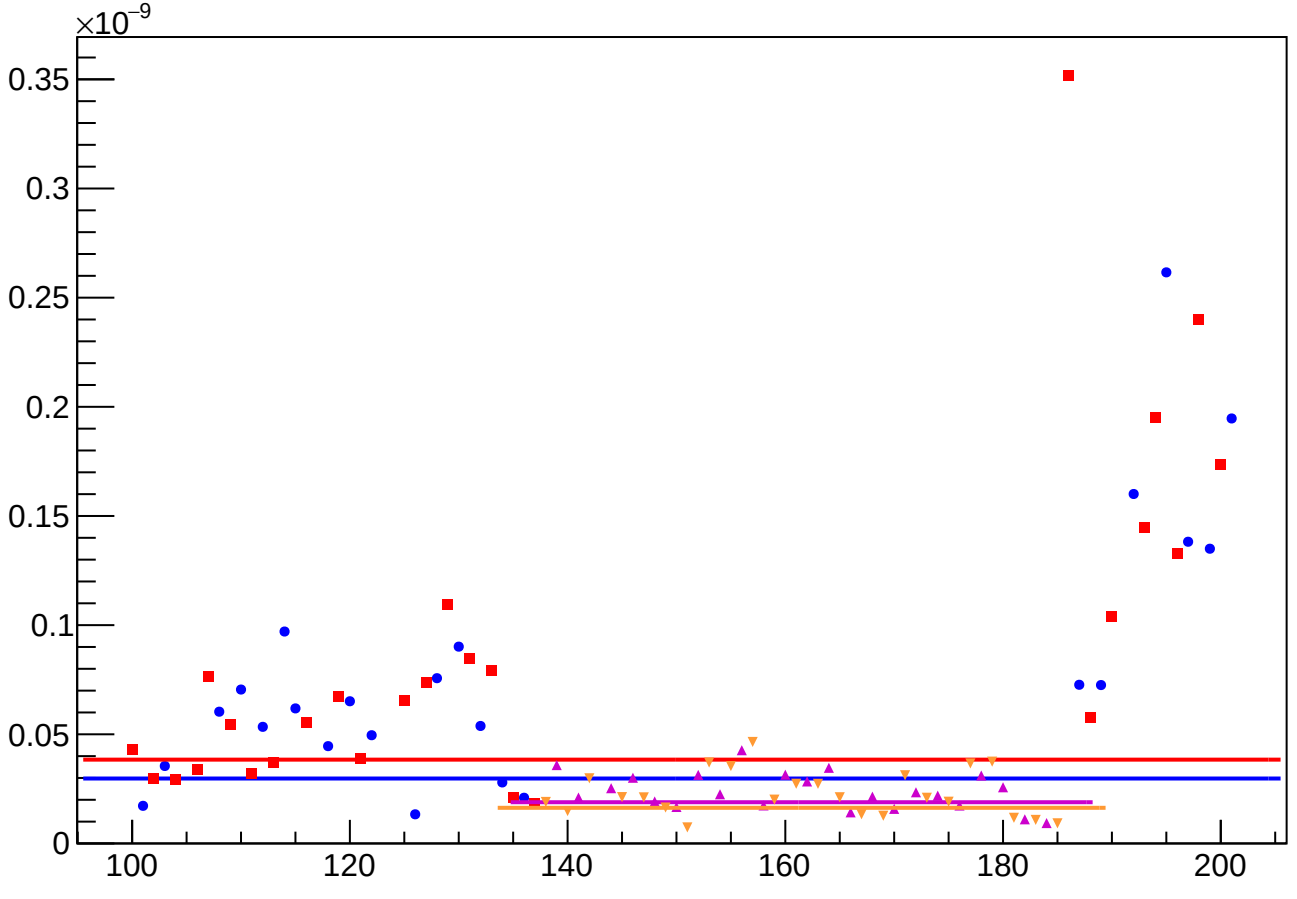
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 54.8/48

In: -0.000+/-0.000 χ^2/NDF:37.2/45

Out: 0.000+/-0.000 χ^2/NDF:59.4/49

All: -0.000+/-0.000 χ^2/NDF: 98.0/95



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: 5195174.7/25

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

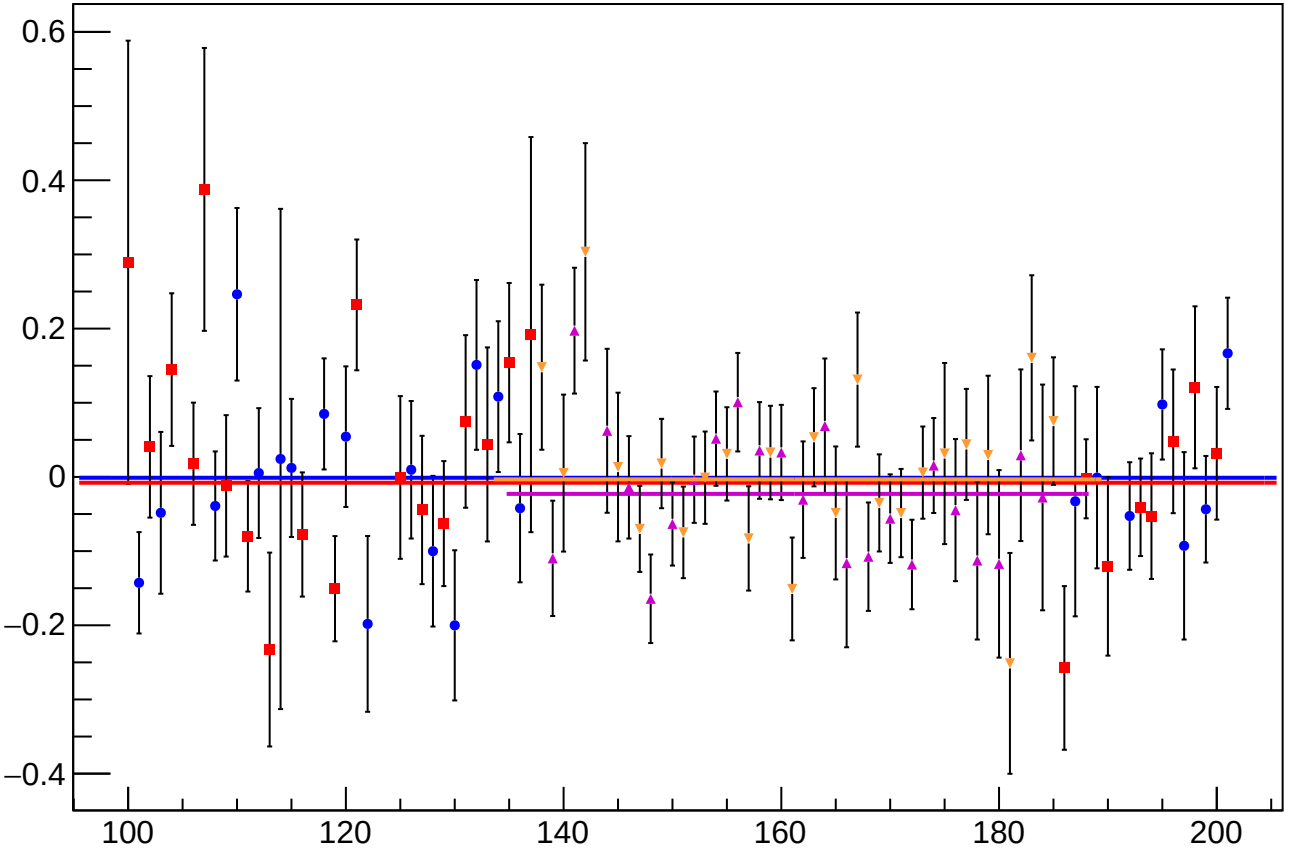
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 11202764.4/48

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

Out: 0.000+/-0.000 χ^2/NDF:12354940.9/49

All: 0.000+/-0.000 χ^2/NDF: 22424007.4/95



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: -0.008+/-0.018 χ^2/NDF: 36.4/25

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

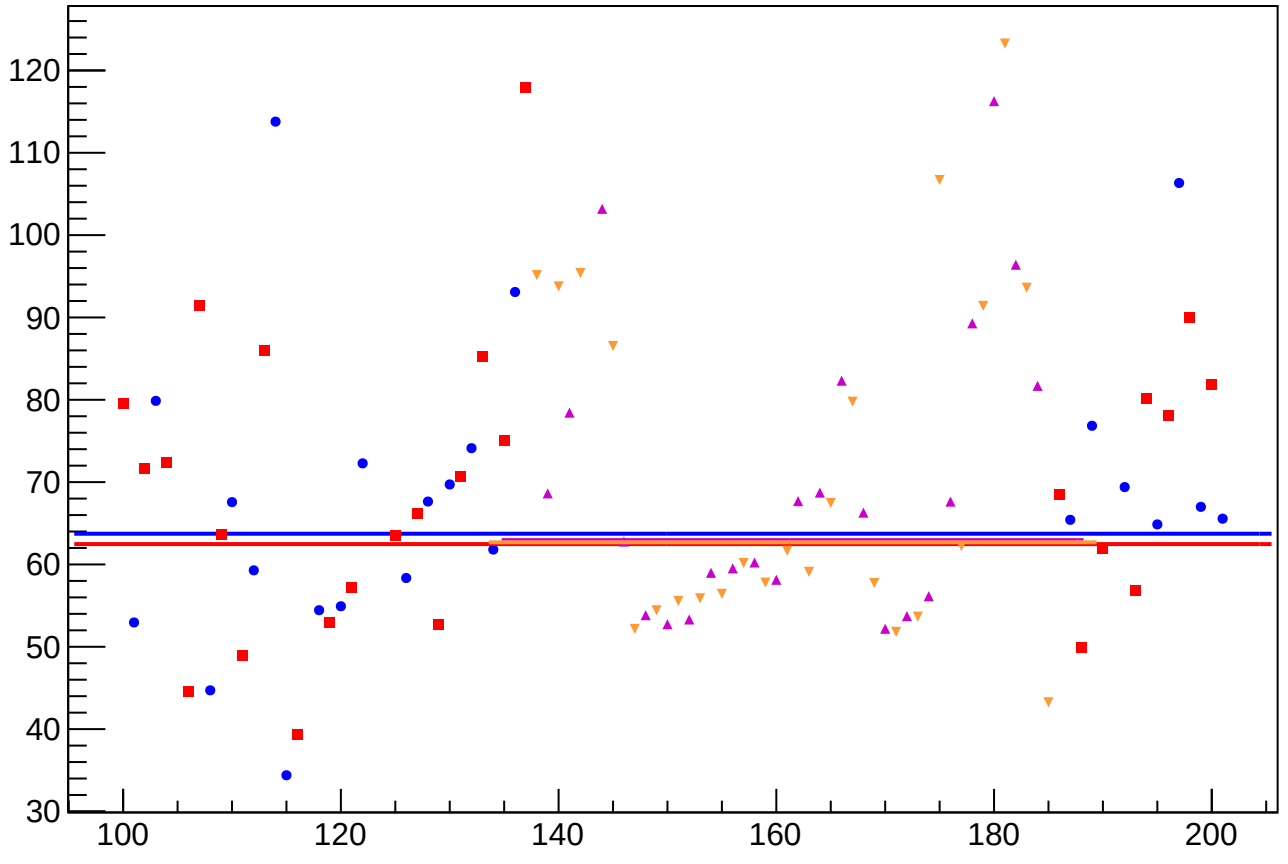
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.013 χ^2/NDF: 66.3/48

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.010+/-0.008 χ^2/NDF: 122.2/95



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: 62.474+/-0.013 χ^2/NDF: 1218311.8/25

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

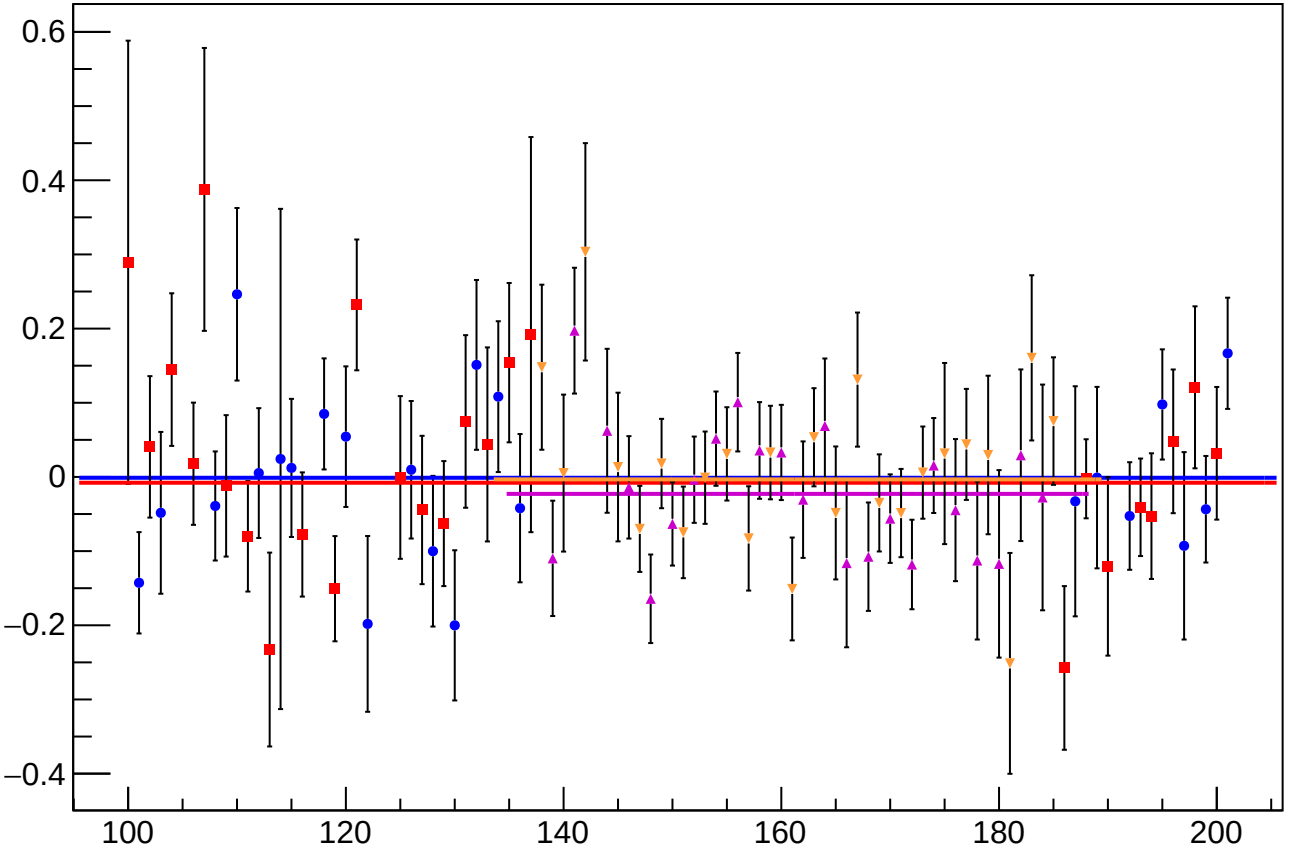
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 63.071+/-0.009 χ^2/NDF: 2233576.1/48

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

Out: 62.602+/-0.008 χ^2/NDF:3157880.4/49

All: 62.924+/-0.006 χ^2/NDF: 5604097.5/95



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: -0.008+/-0.018 χ^2/NDF: 36.4/25

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

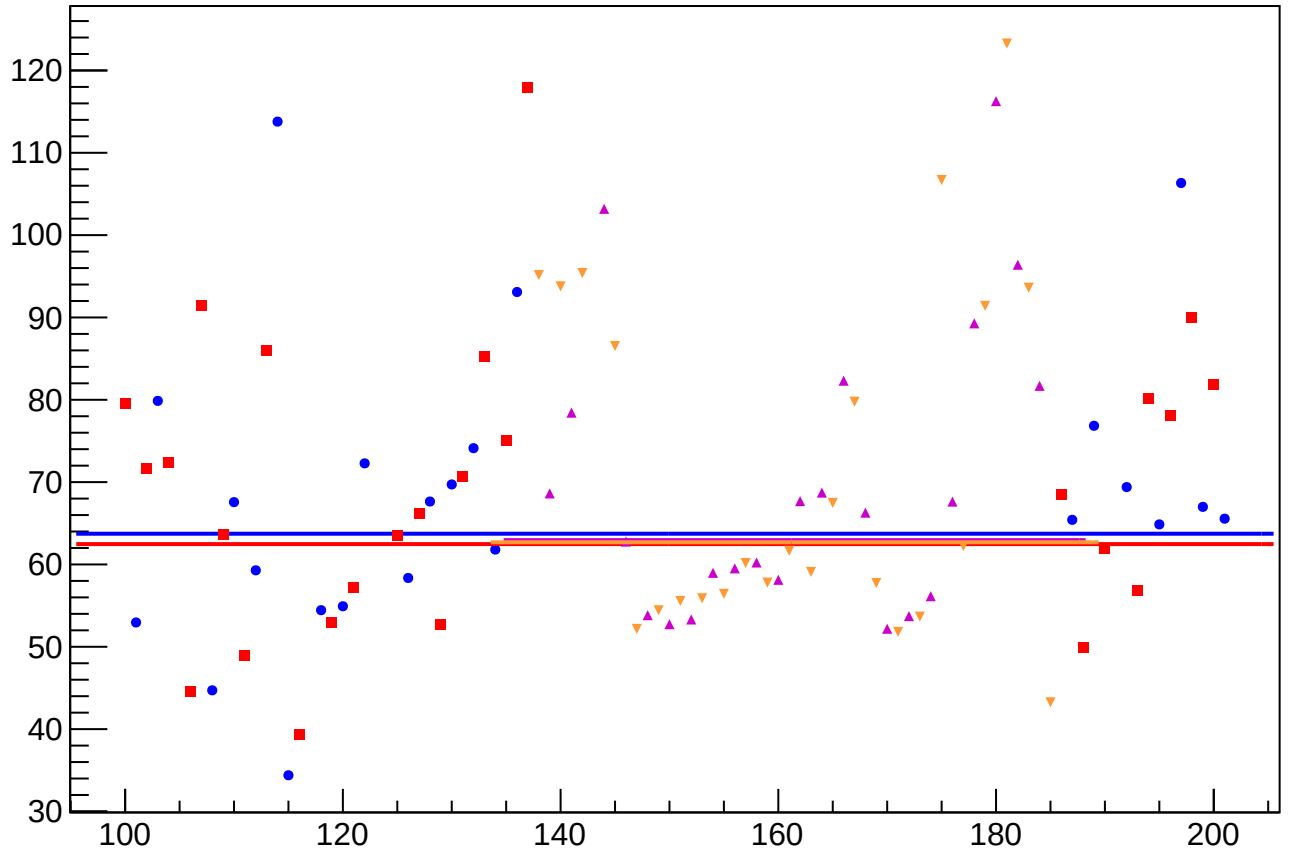
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.013 χ^2/NDF: 66.3/48

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.010+/-0.008 χ^2/NDF: 122.2/95



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: 62.474+/-0.013 χ^2/NDF: 1218311.8/25

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

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

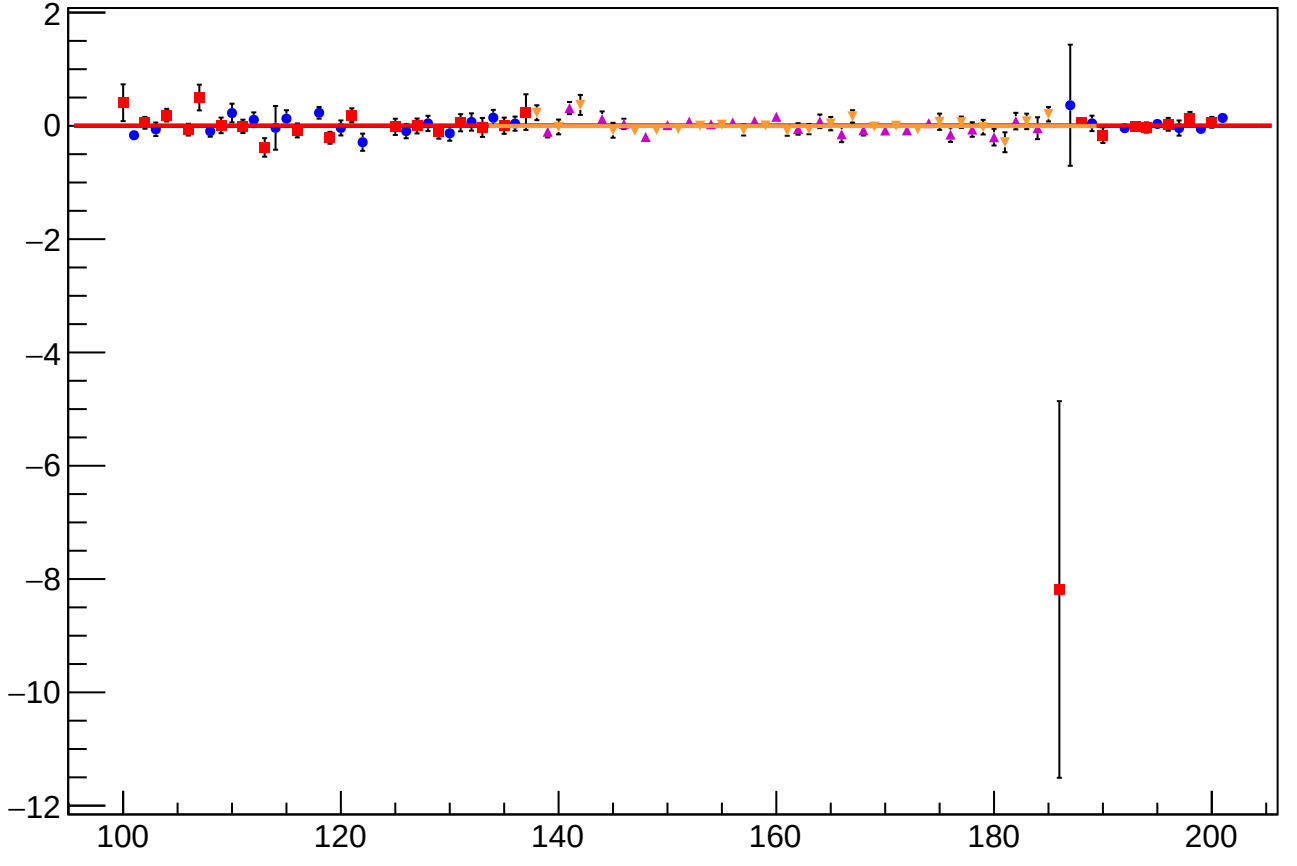
Right: 63.071+/-0.009 χ^2/NDF: 2233576.1/48

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

Out: 62.602+/-0.008 χ^2/NDF:3157880.4/49

All: 62.924+/-0.006 χ^2/NDF: 5604097.5/95

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: 0.007+/-0.024 χ^2/NDF: 33.6/25

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

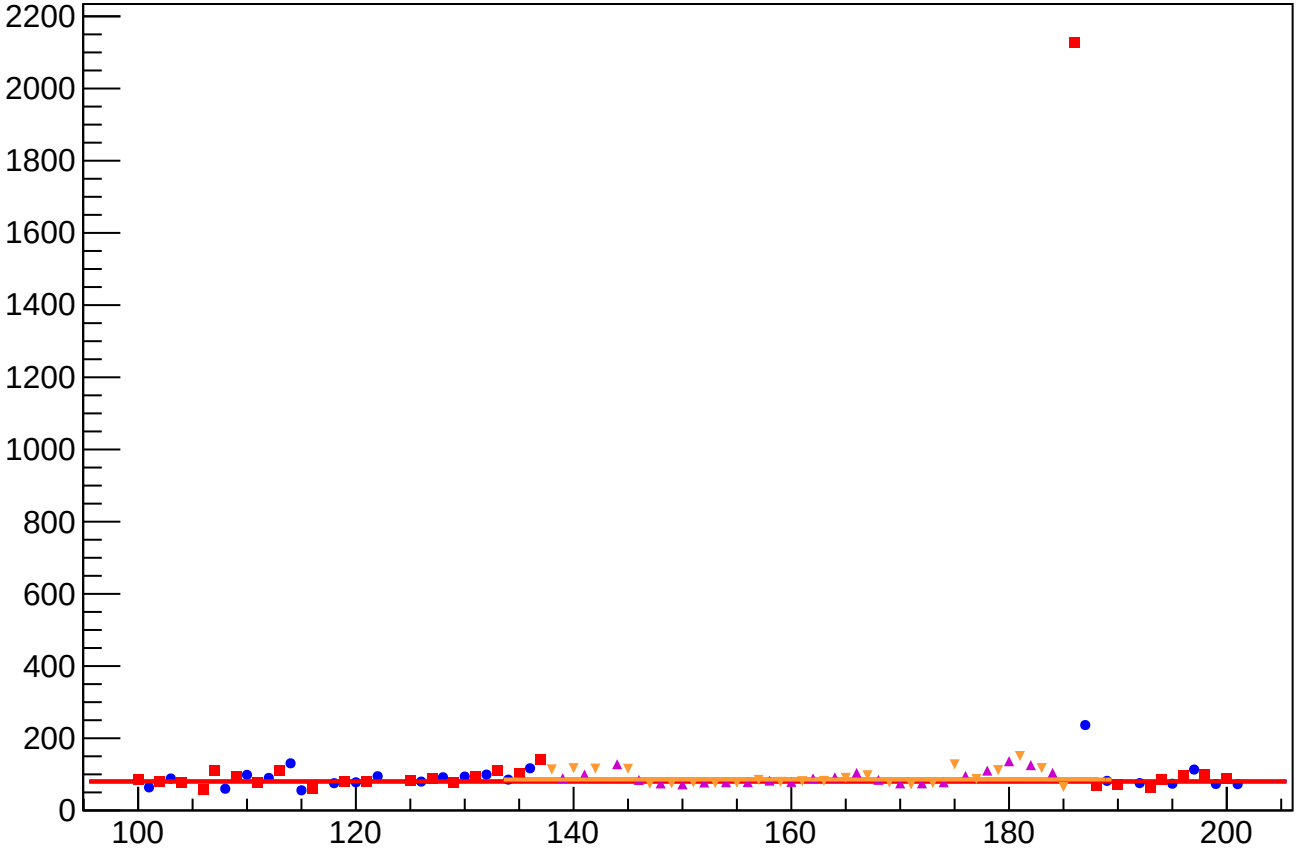
Right: 0.004+/-0.017 χ^2/NDF: 58.0/48

In: 0.001+/-0.016 χ^2/NDF:54.8/45

Out: 0.000+/-0.016 χ^2/NDF:55.1/49

All: 0.001+/-0.011 χ^2/NDF: 110.0/95

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: 80.739+/-0.017 χ^2/NDF: 1525017.1/25

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

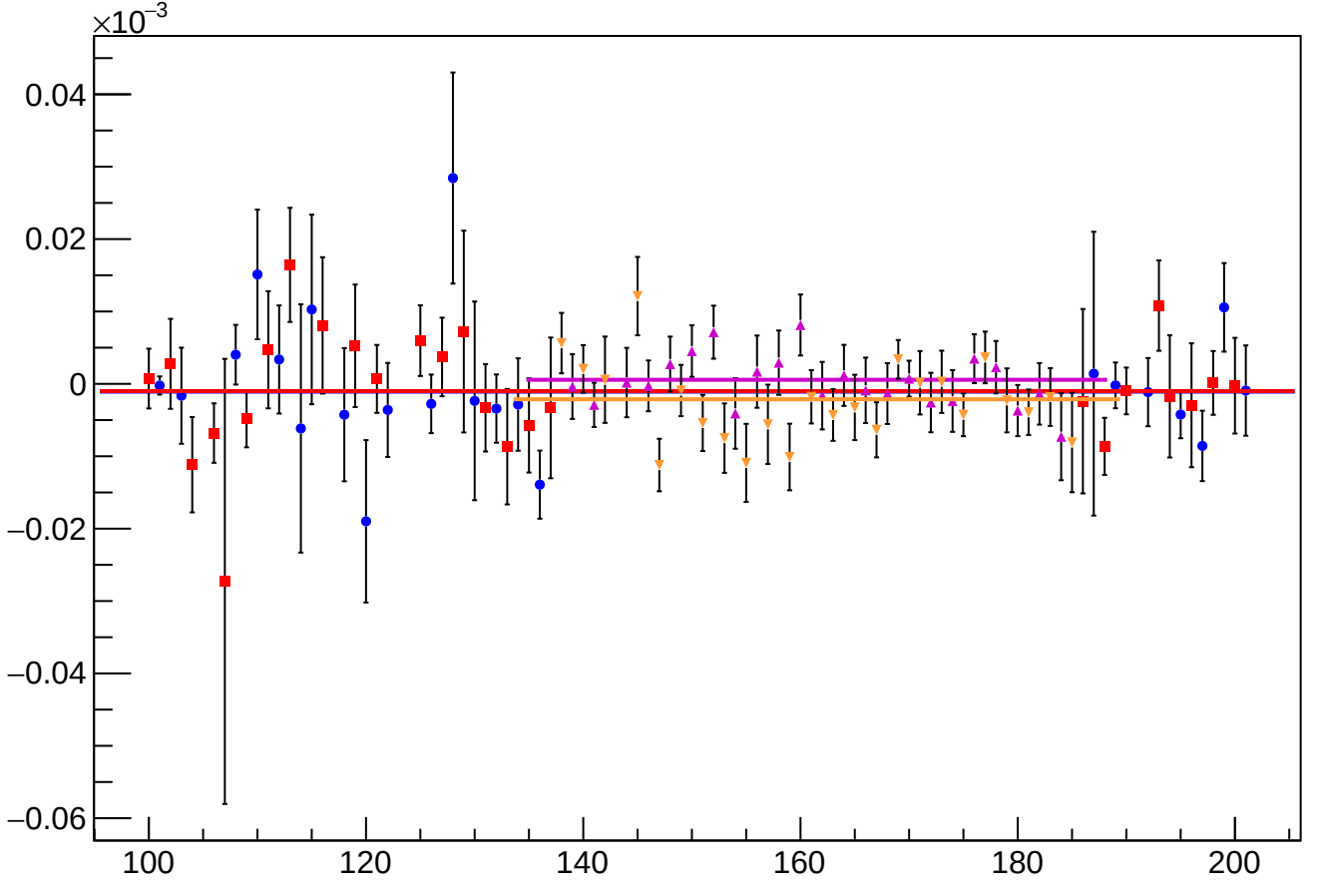
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.403+/-0.012 χ^2/NDF: 2306902.1/48

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

Out: 83.517+/-0.011 χ^2/NDF:2926761.8/49

All: 83.405+/-0.008 χ^2/NDF: 4766758.0/95



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: 25.9/25

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

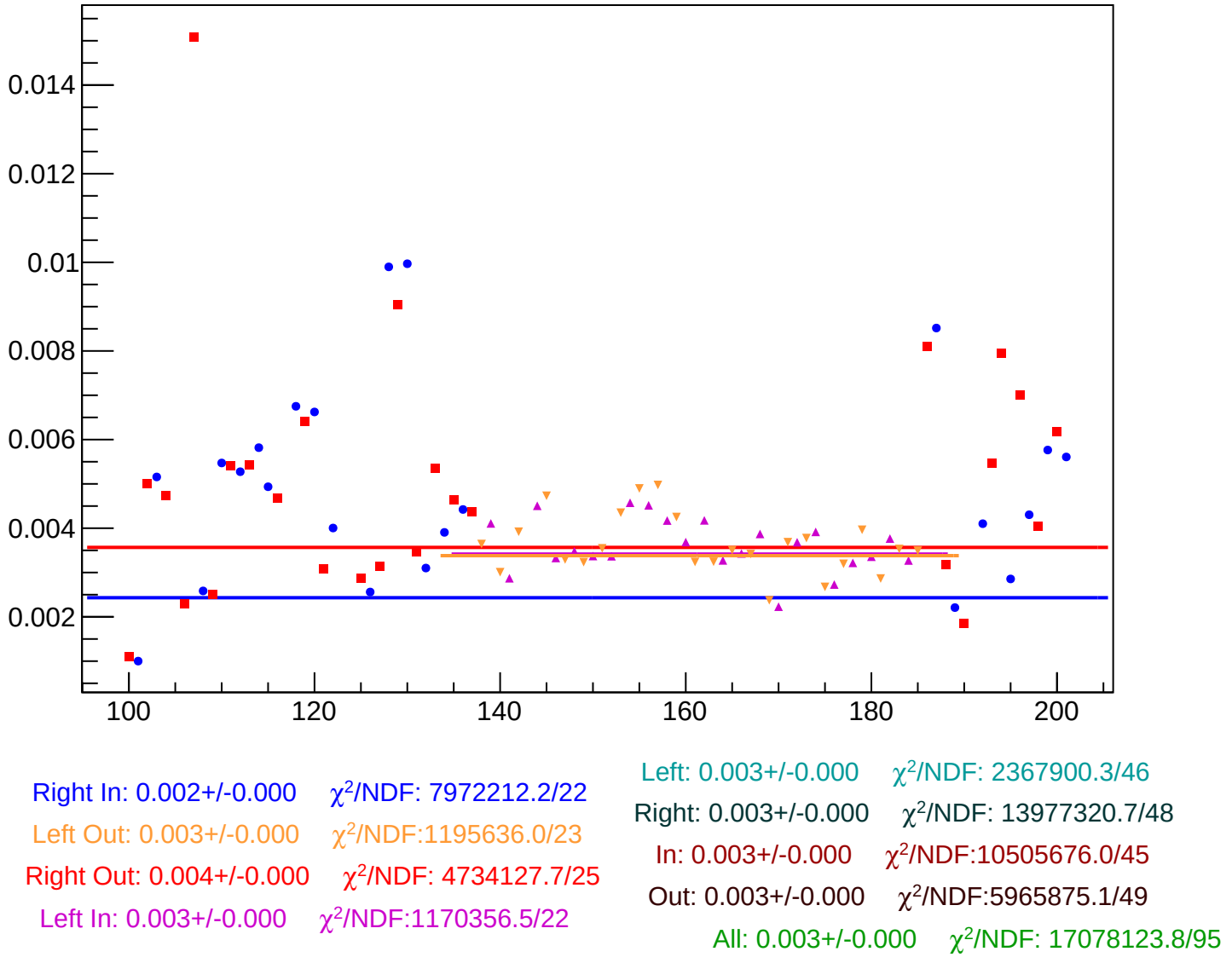
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

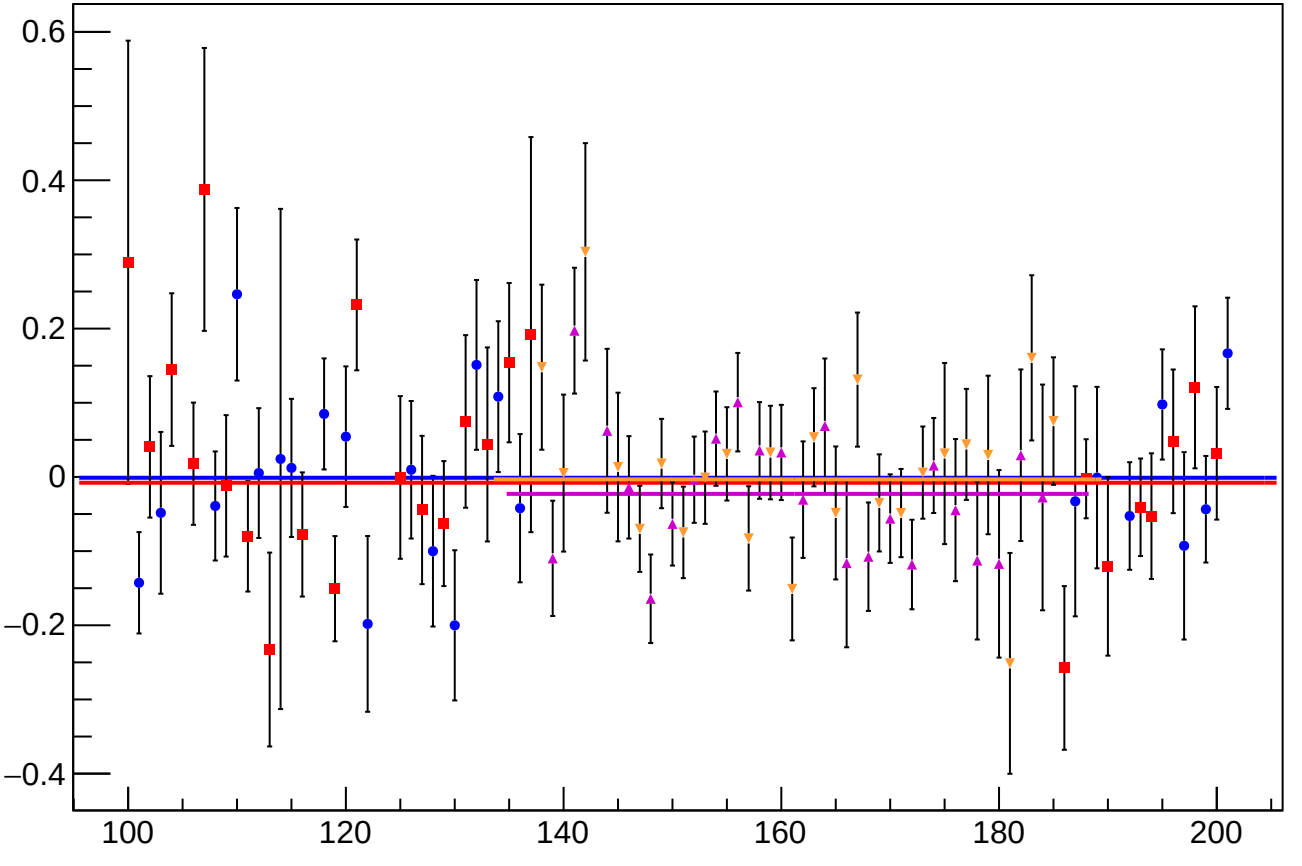
Right: -0.000+/-0.000 χ^2/NDF: 54.3/48

In: -0.000+/-0.000 χ^2/NDF:46.9/45

Out: -0.000+/-0.000 χ^2/NDF:64.0/49

All: -0.000+/-0.000 χ^2/NDF: 113.9/95


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: 4734127.7/25
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: 13977320.7/48
In: 0.003+/-0.000 χ²/NDF:10505676.0/45
Out: 0.003+/-0.000 χ²/NDF:5965875.1/49
All: 0.003+/-0.000 χ²/NDF: 17078123.8/95



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: -0.008+/-0.018 χ^2/NDF: 36.4/25

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

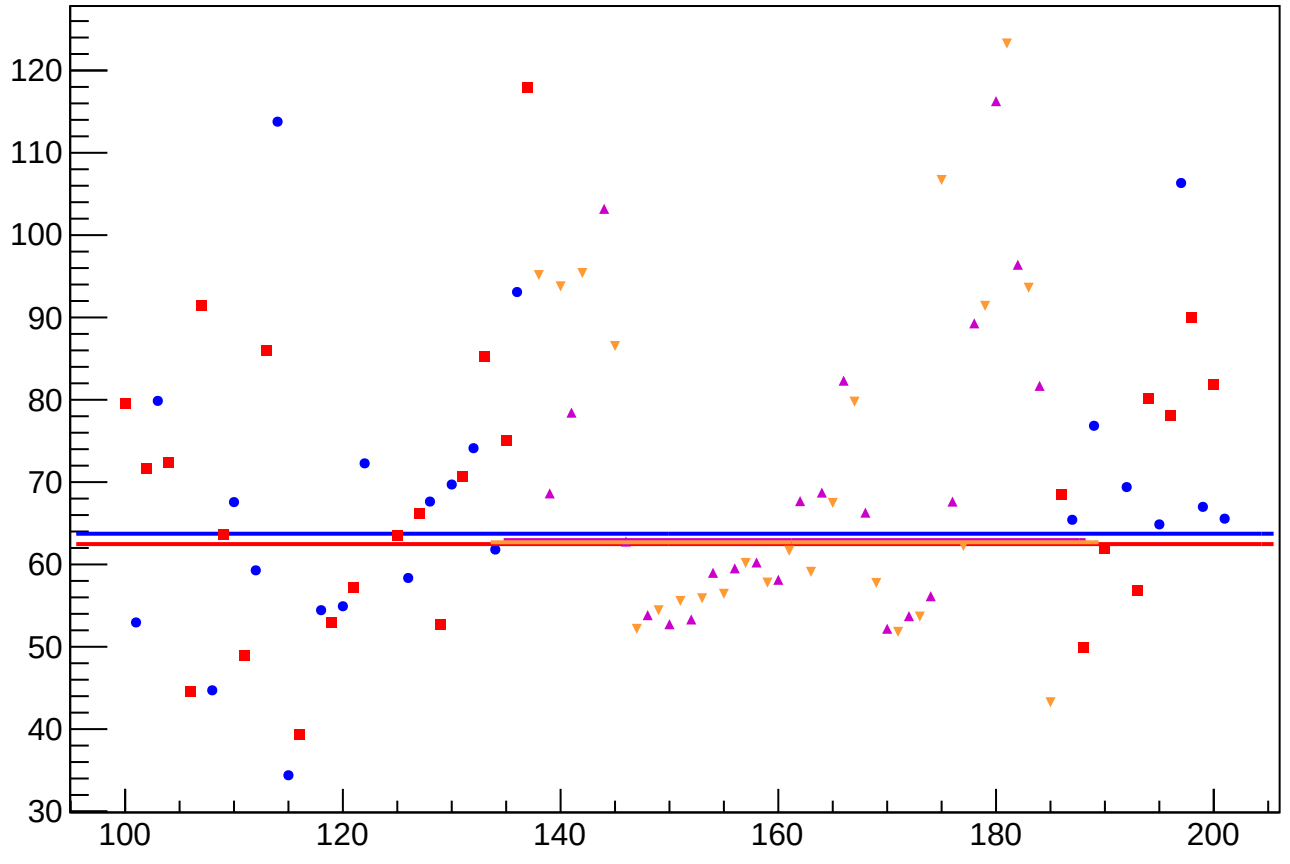
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.013 χ^2/NDF: 66.3/48

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.010+/-0.008 χ^2/NDF: 122.2/95



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: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

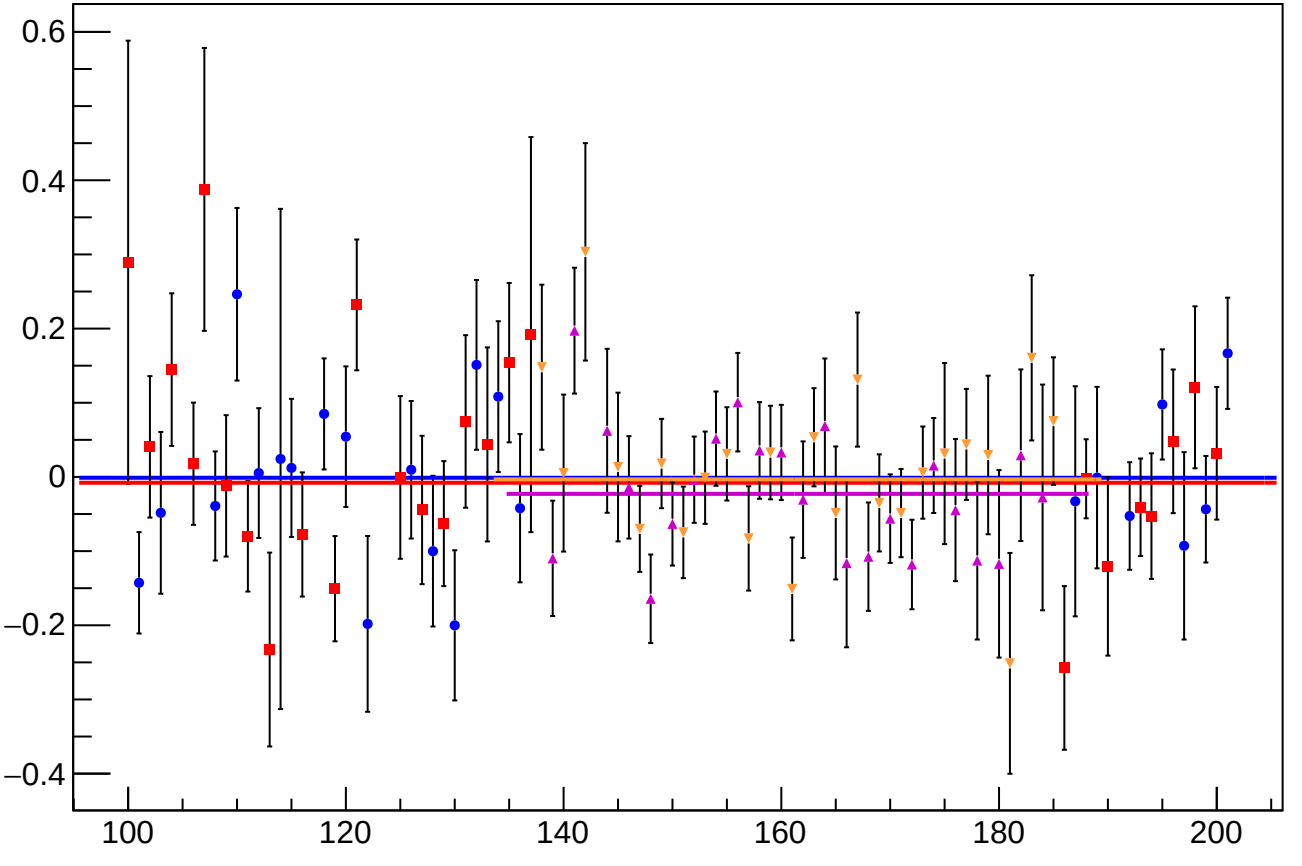
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 63.070+/-0.009 χ^2/NDF: 2233563.1/48

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

Out: 62.602+/-0.008 χ^2/NDF:3157808.3/49

All: 62.924+/-0.006 χ^2/NDF: 5604037.1/95



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: -0.008+/-0.018 χ^2/NDF: 36.4/25

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

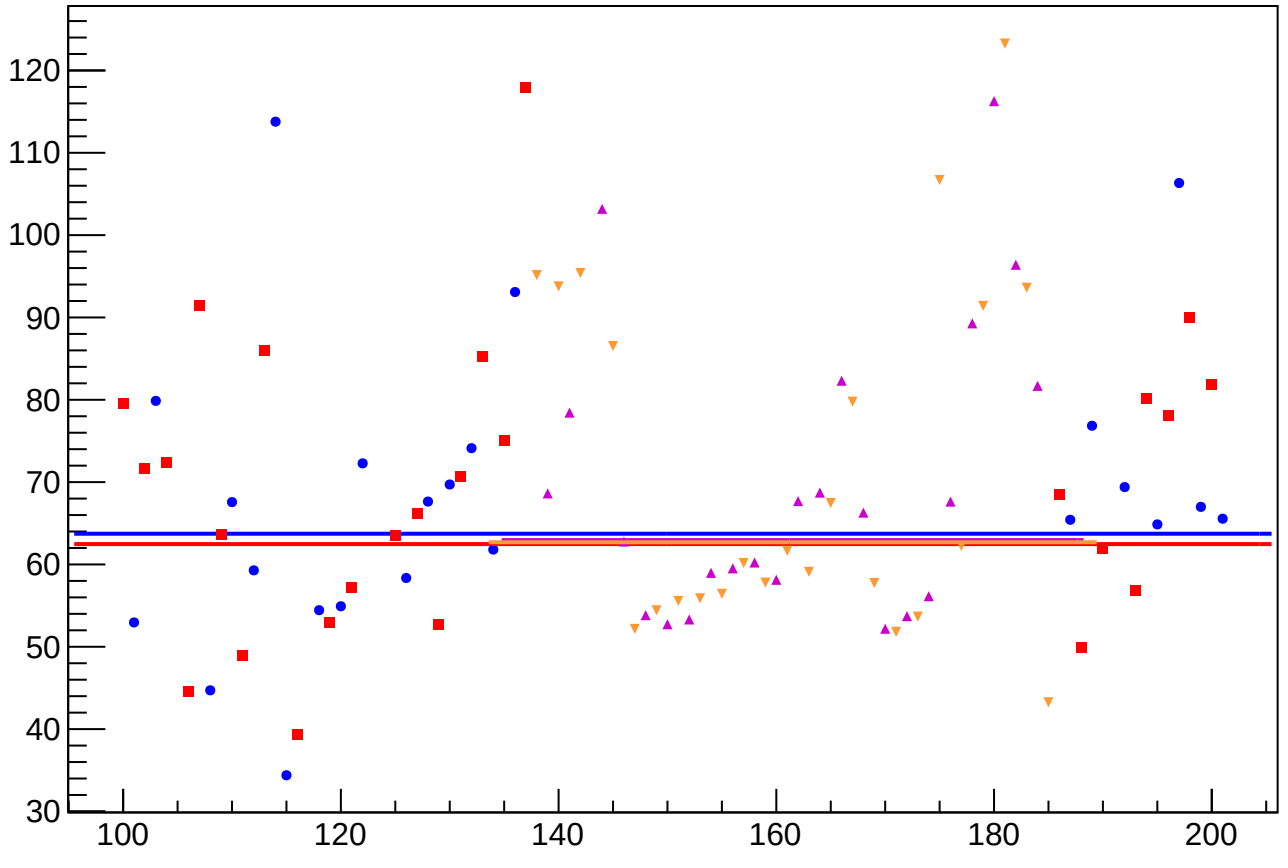
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.005+/-0.013 χ^2/NDF: 66.3/48

In: -0.014+/-0.012 χ^2/NDF:59.6/45

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.010+/-0.008 χ^2/NDF: 122.2/95



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: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

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

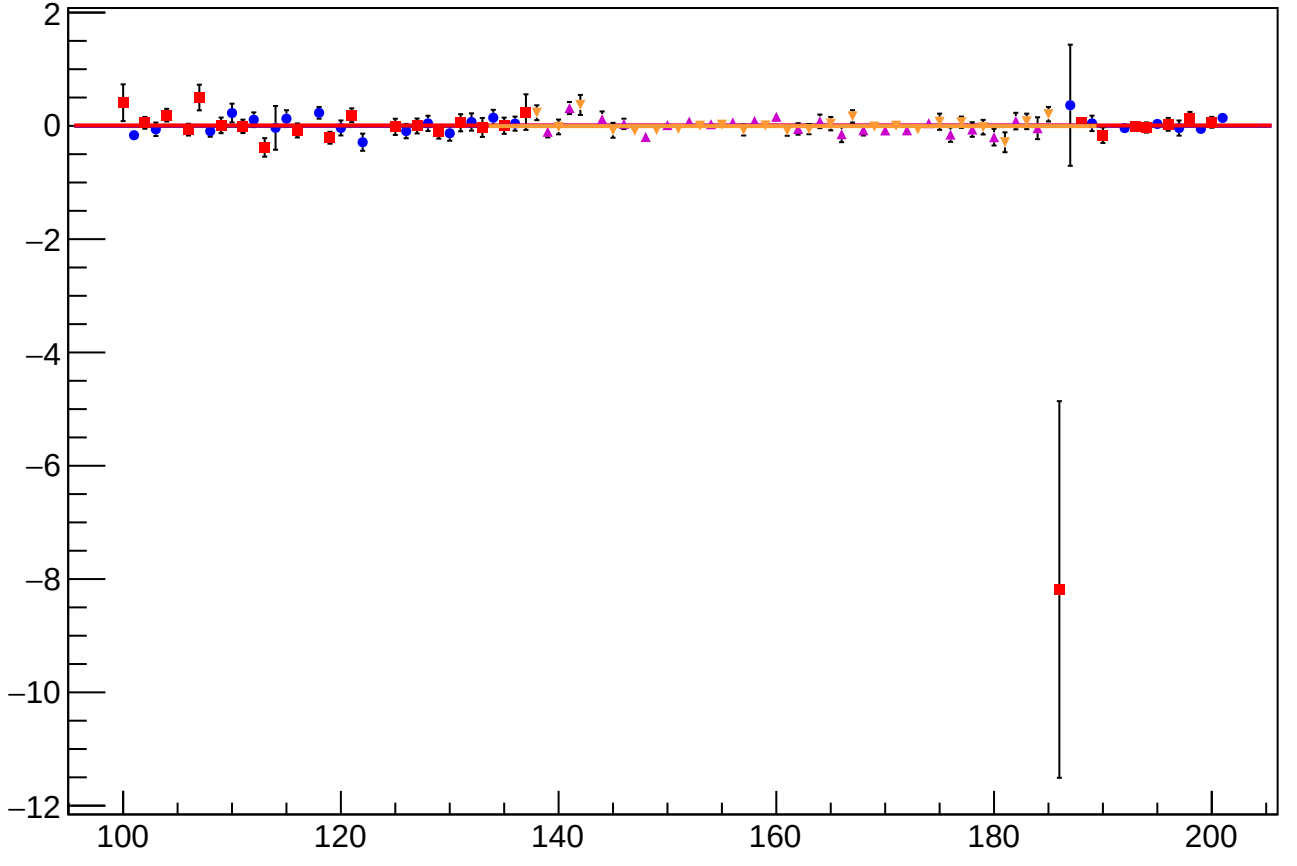
Right: 63.070+/-0.009 χ^2/NDF: 2233563.1/48

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

Out: 62.602+/-0.008 χ^2/NDF:3157808.3/49

All: 62.924+/-0.006 χ^2/NDF: 5604037.1/95

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: 0.007+/-0.024 χ^2/NDF: 33.6/25

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

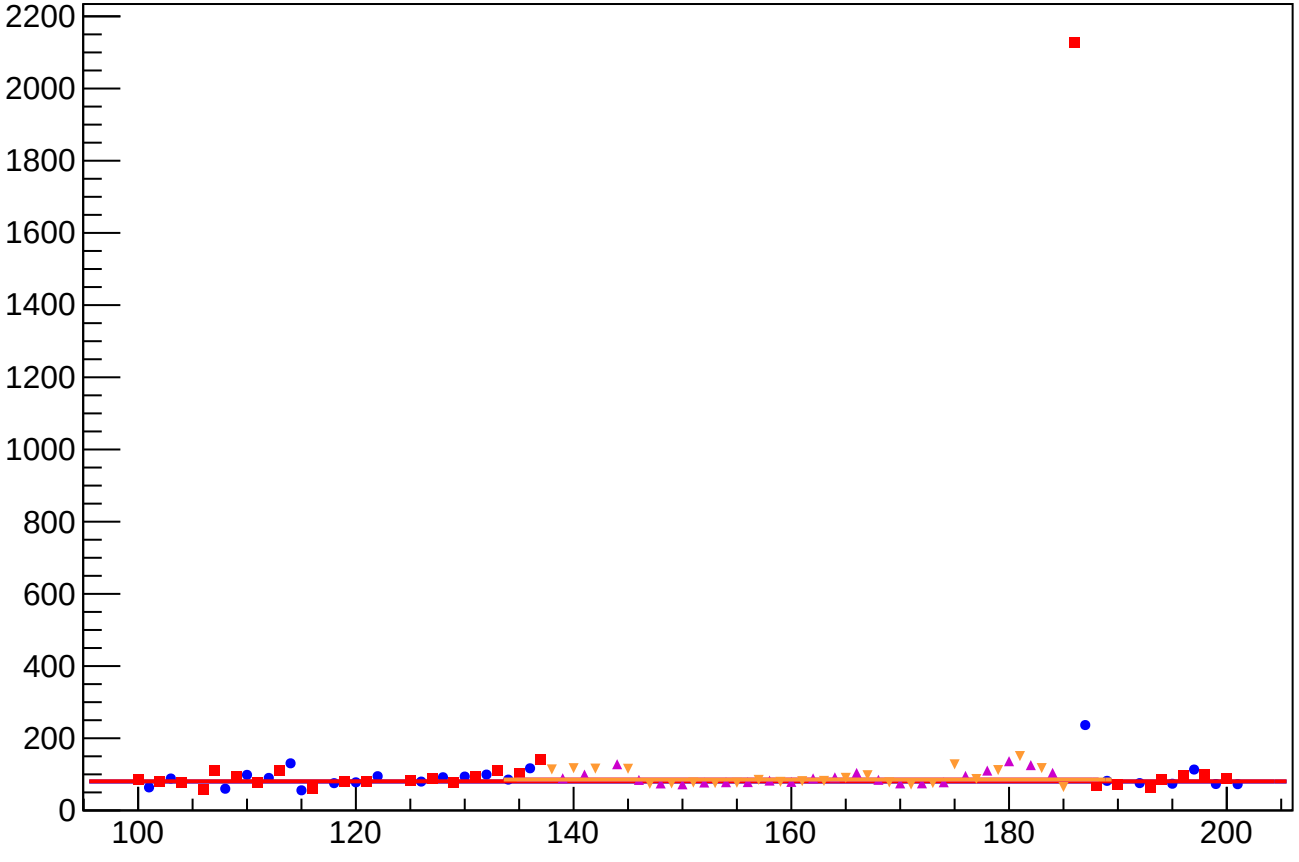
Right: 0.004+/-0.017 χ^2/NDF: 58.0/48

In: 0.001+/-0.016 χ^2/NDF:54.8/45

Out: 0.000+/-0.016 χ^2/NDF:55.1/49

All: 0.001+/-0.011 χ^2/NDF: 110.0/95

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: 80.738+/-0.017 χ^2/NDF: 1524979.3/25

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

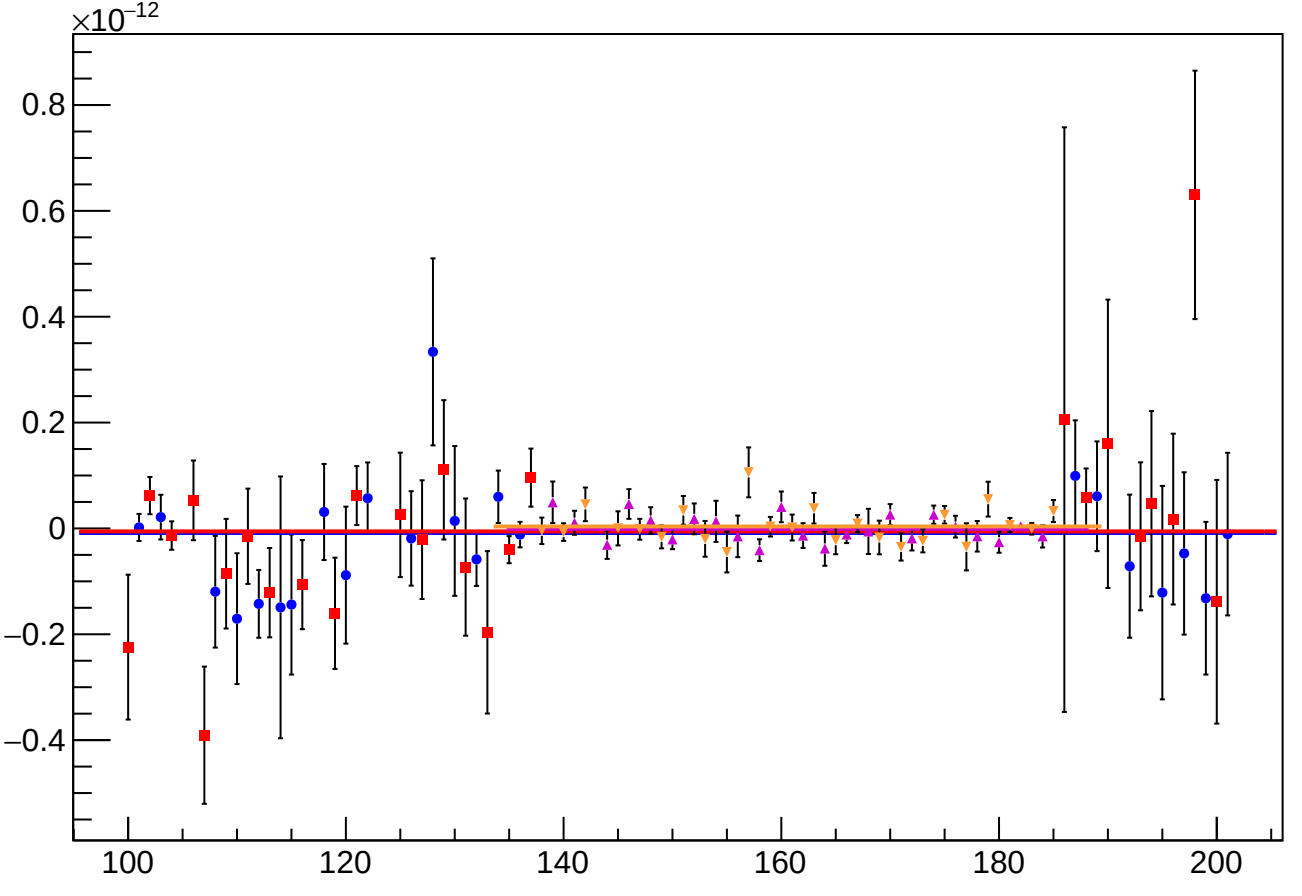
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 80.402+/-0.012 χ^2/NDF: 2306850.9/48

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

Out: 83.517+/-0.011 χ^2/NDF:2926736.5/49

All: 83.404+/-0.008 χ^2/NDF: 4766730.5/95



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: 40.9/25

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

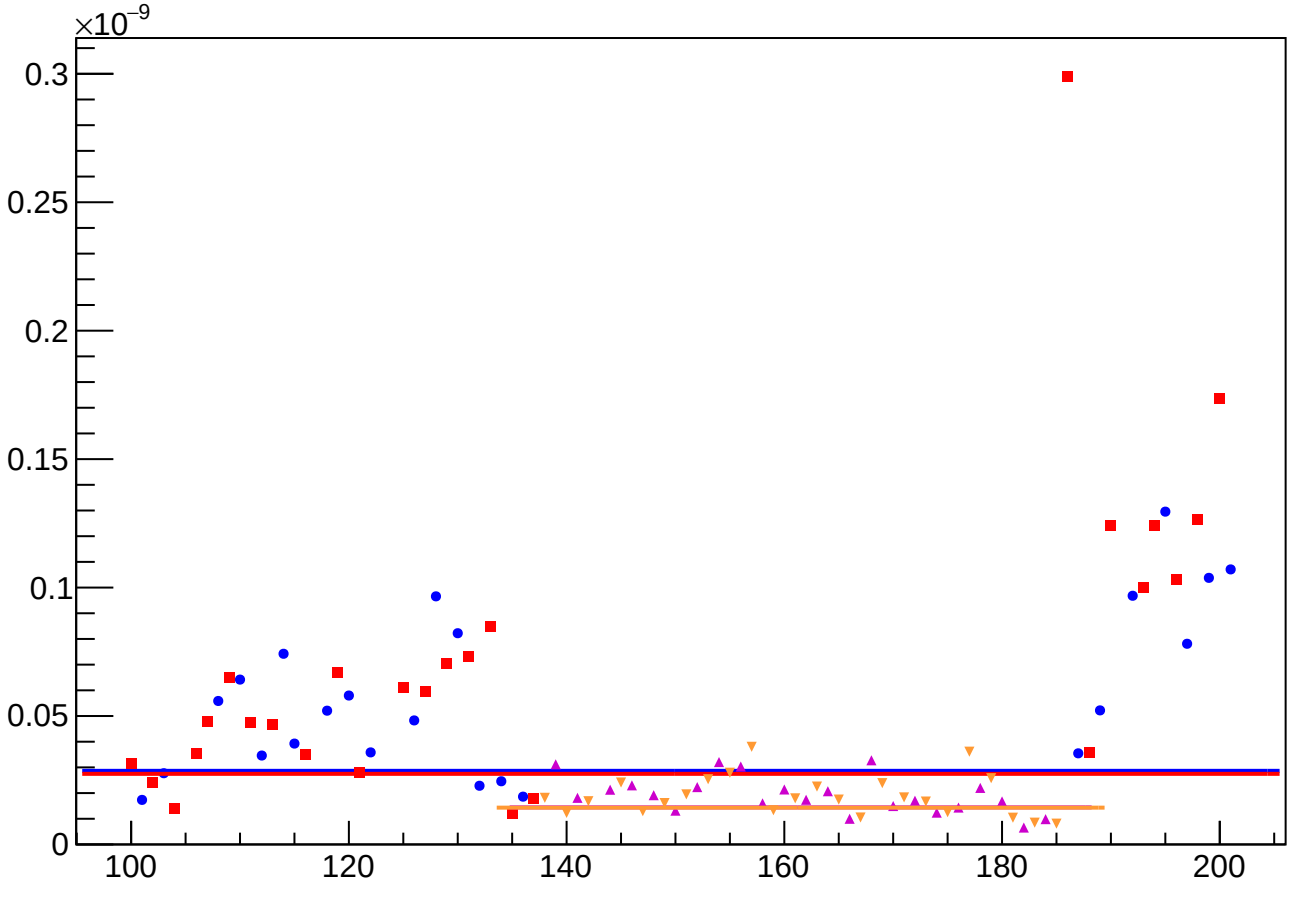
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 61.2/48

In: -0.000+/-0.000 χ^2/NDF:44.2/45

Out: 0.000+/-0.000 χ^2/NDF:66.4/49

All: 0.000+/-0.000 χ^2/NDF: 111.2/95



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: 6748036.6/25

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

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

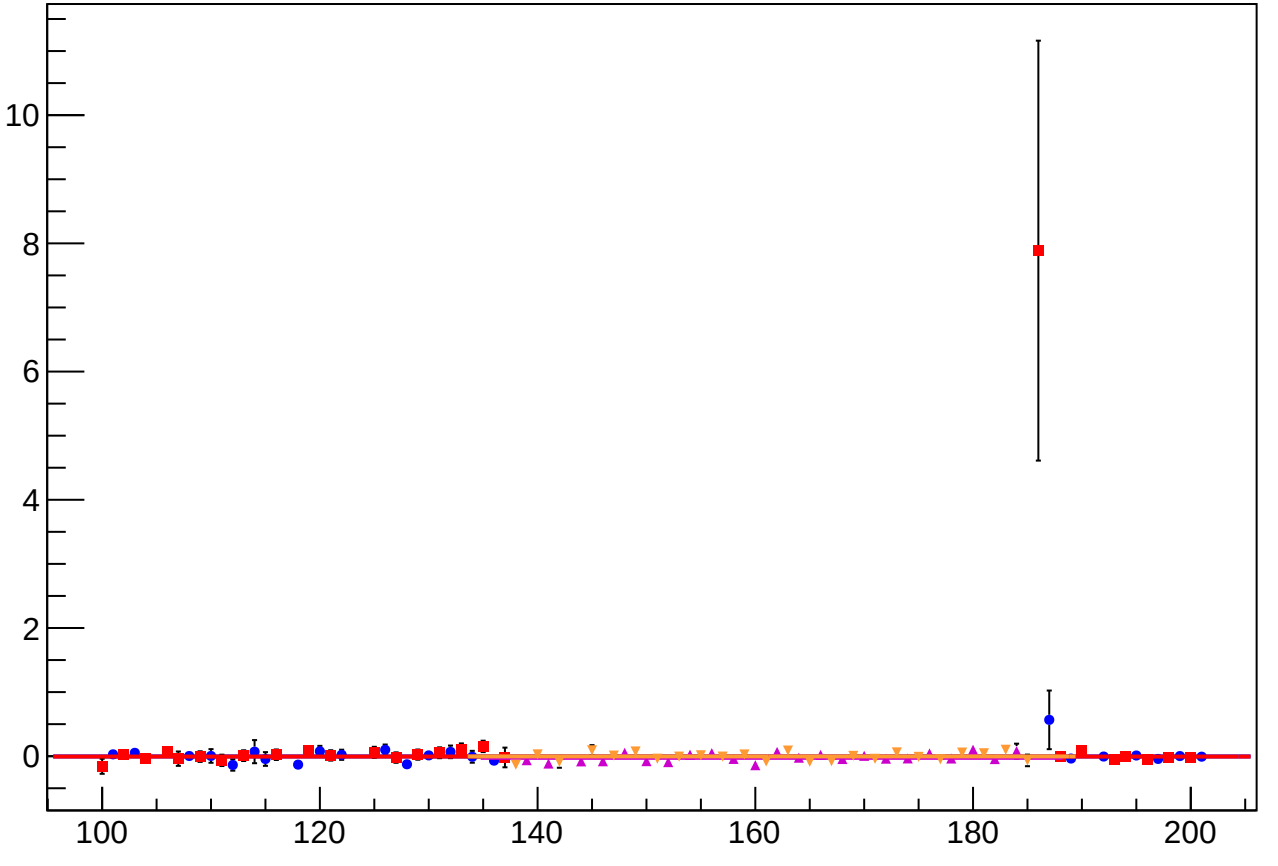
Right: 0.000+/-0.000 χ^2/NDF: 11262299.2/48

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

Out: 0.000+/-0.000 χ^2/NDF:12243680.5/49

All: 0.000+/-0.000 χ^2/NDF: 23215185.5/95

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: -0.006+/-0.009 χ^2/NDF: 29.2/25

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

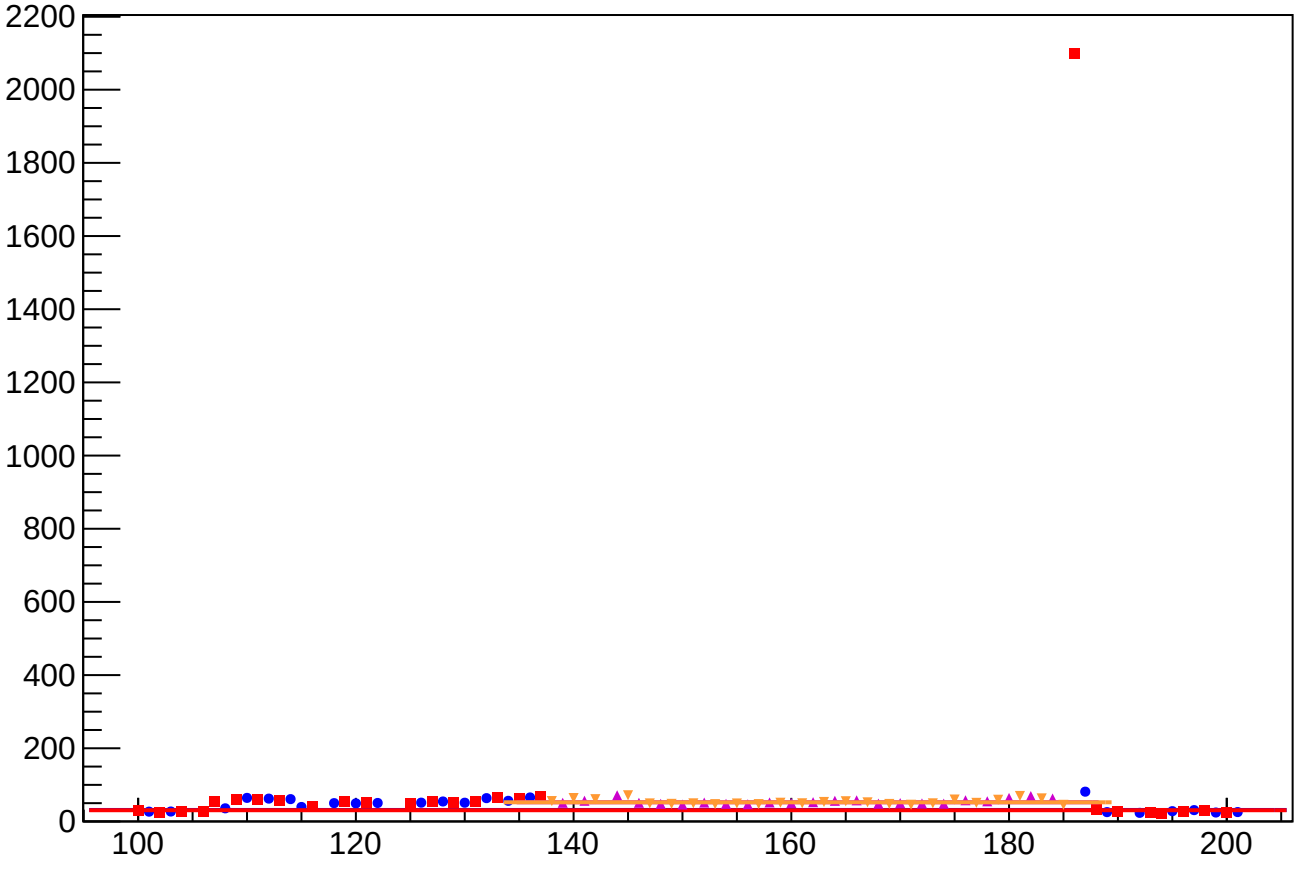
Right: -0.005+/-0.007 χ^2/NDF: 48.9/48

In: -0.012+/-0.008 χ^2/NDF:45.8/45

Out: -0.005+/-0.008 χ^2/NDF:52.4/49

All: -0.008+/-0.005 χ^2/NDF: 98.7/95

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: 30.728+/-0.007 χ^2/NDF: 3684257.9/25

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

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

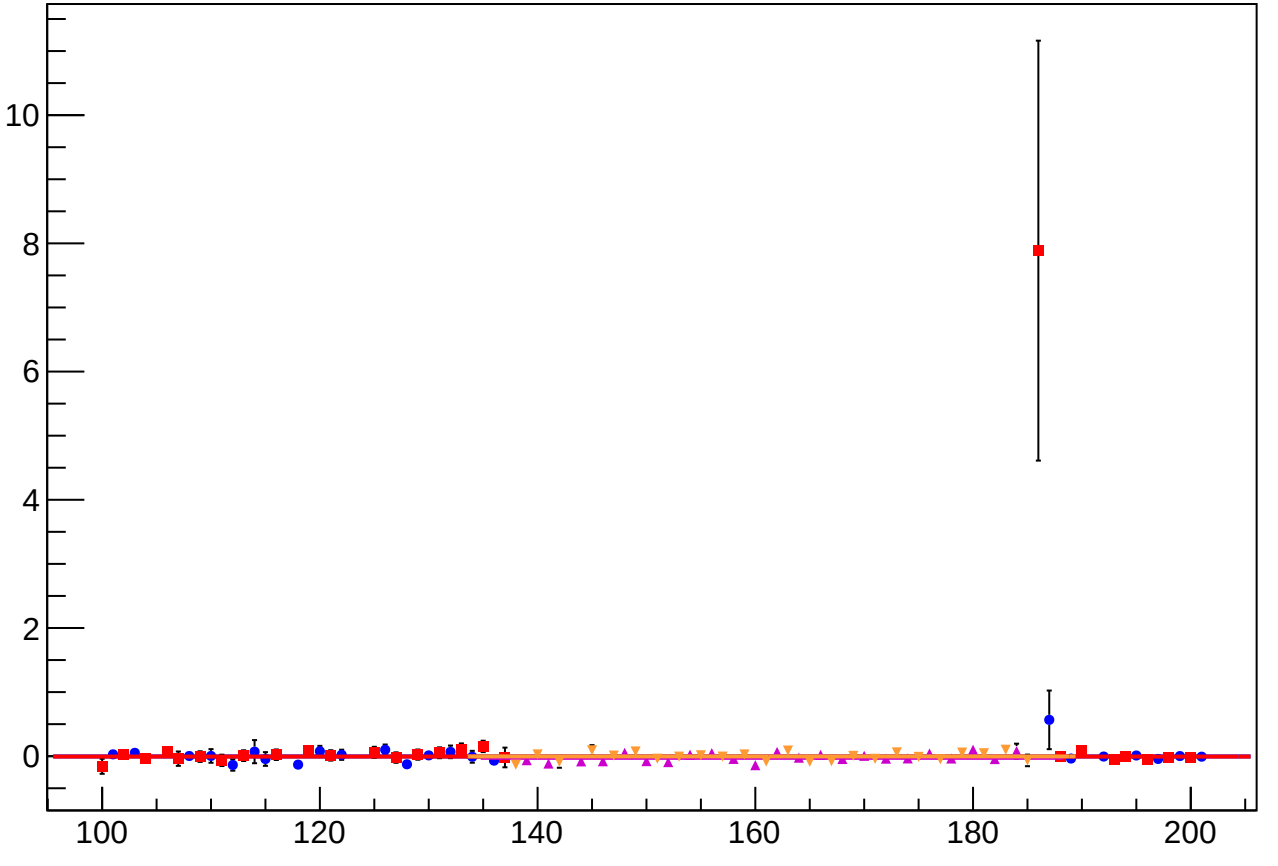
Right: 31.043+/-0.005 χ^2/NDF: 6411601.1/48

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

Out: 38.636+/-0.005 χ^2/NDF:8057596.5/49

All: 39.028+/-0.004 χ^2/NDF: 14751831.1/95

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: -0.006+/-0.009 χ^2/NDF: 29.2/25

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

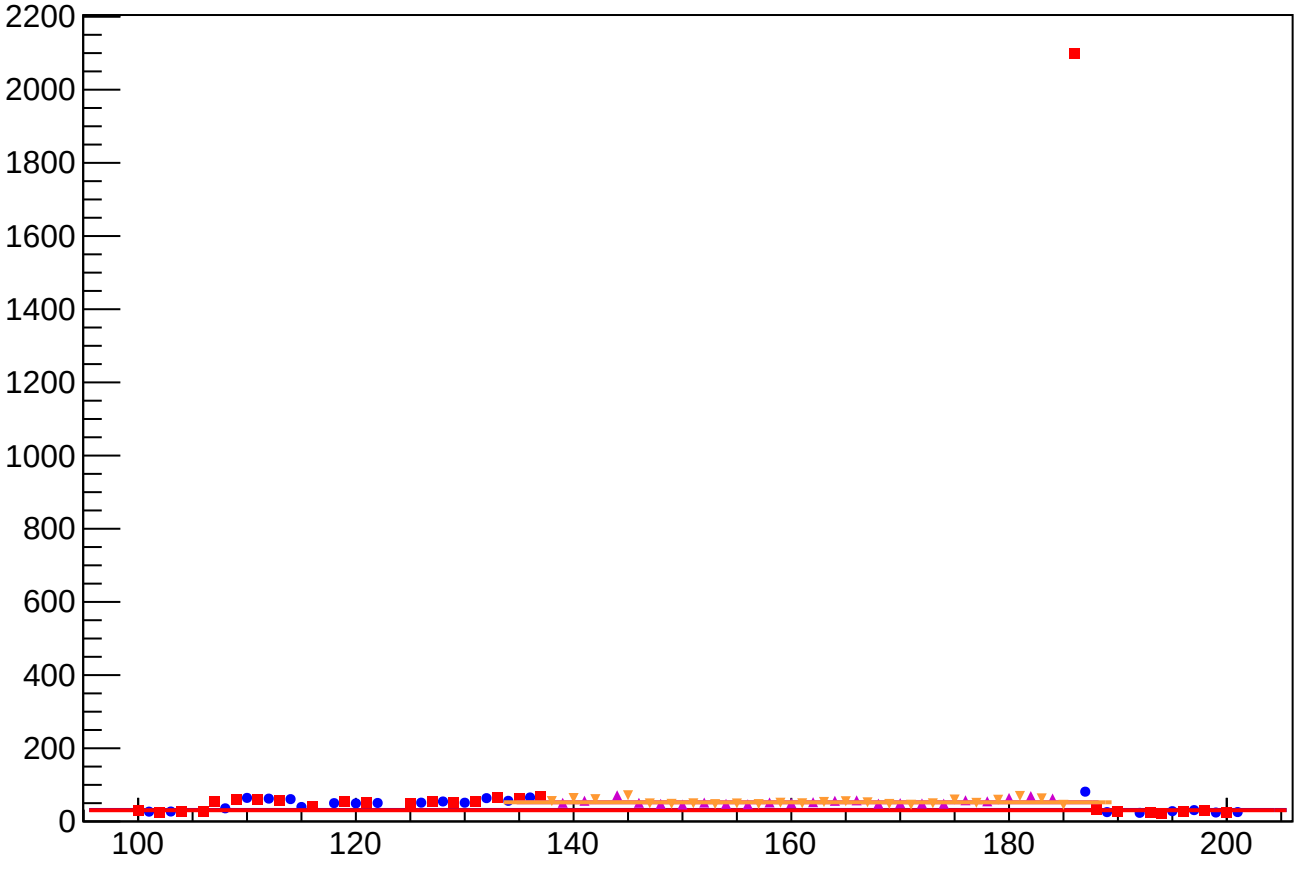
Right: -0.005+/-0.007 χ^2/NDF: 48.9/48

In: -0.012+/-0.008 χ^2/NDF:45.8/45

Out: -0.005+/-0.008 χ^2/NDF:52.4/49

All: -0.008+/-0.005 χ^2/NDF: 98.7/95

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: 30.728+/-0.007 χ^2/NDF: 3684257.9/25

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

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

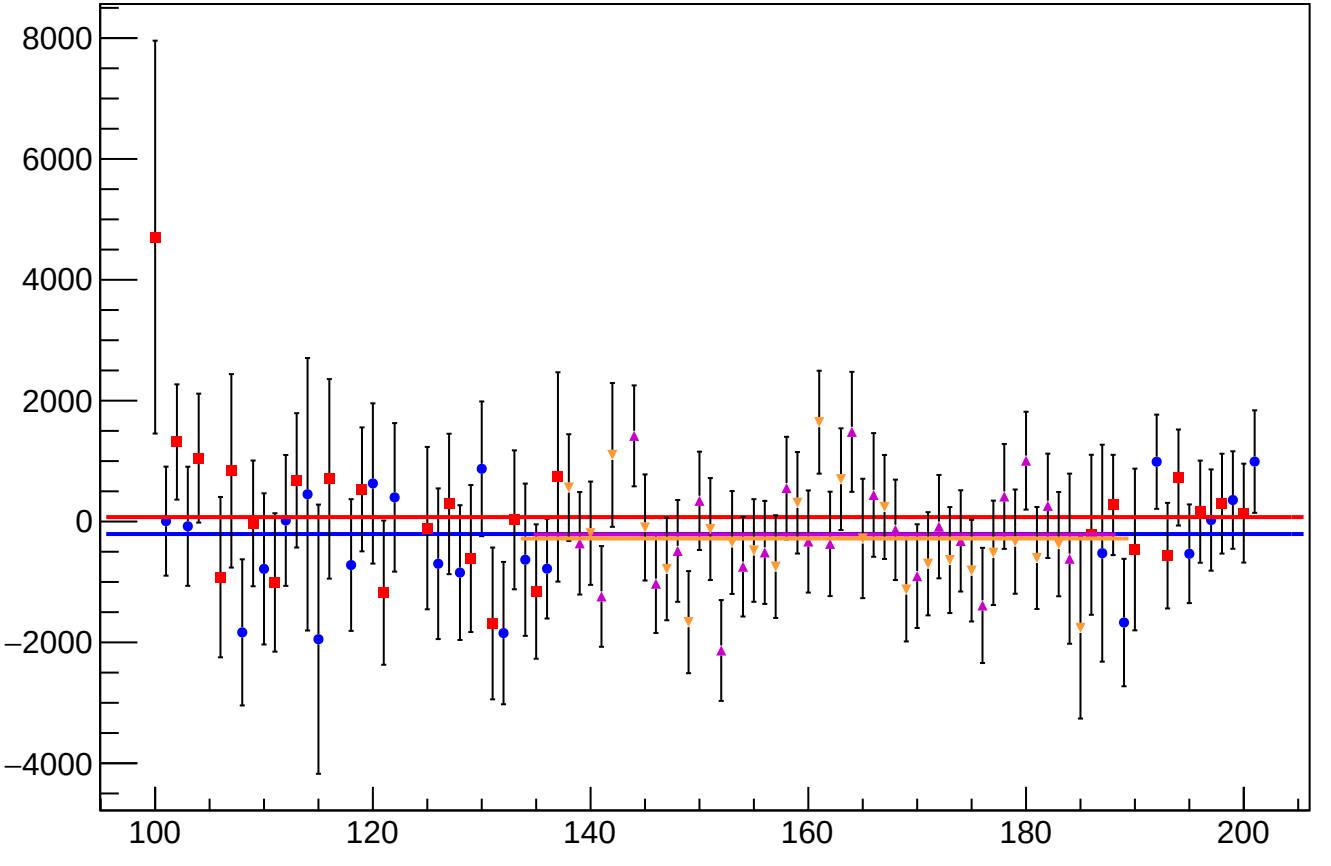
Right: 31.043+/-0.005 χ^2/NDF: 6411601.1/48

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

Out: 38.636+/-0.005 χ^2/NDF:8057596.5/49

All: 39.028+/-0.004 χ^2/NDF: 14751831.1/95

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: 73.636+/-213.774 χ^2/NDF: 13.3/25

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

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

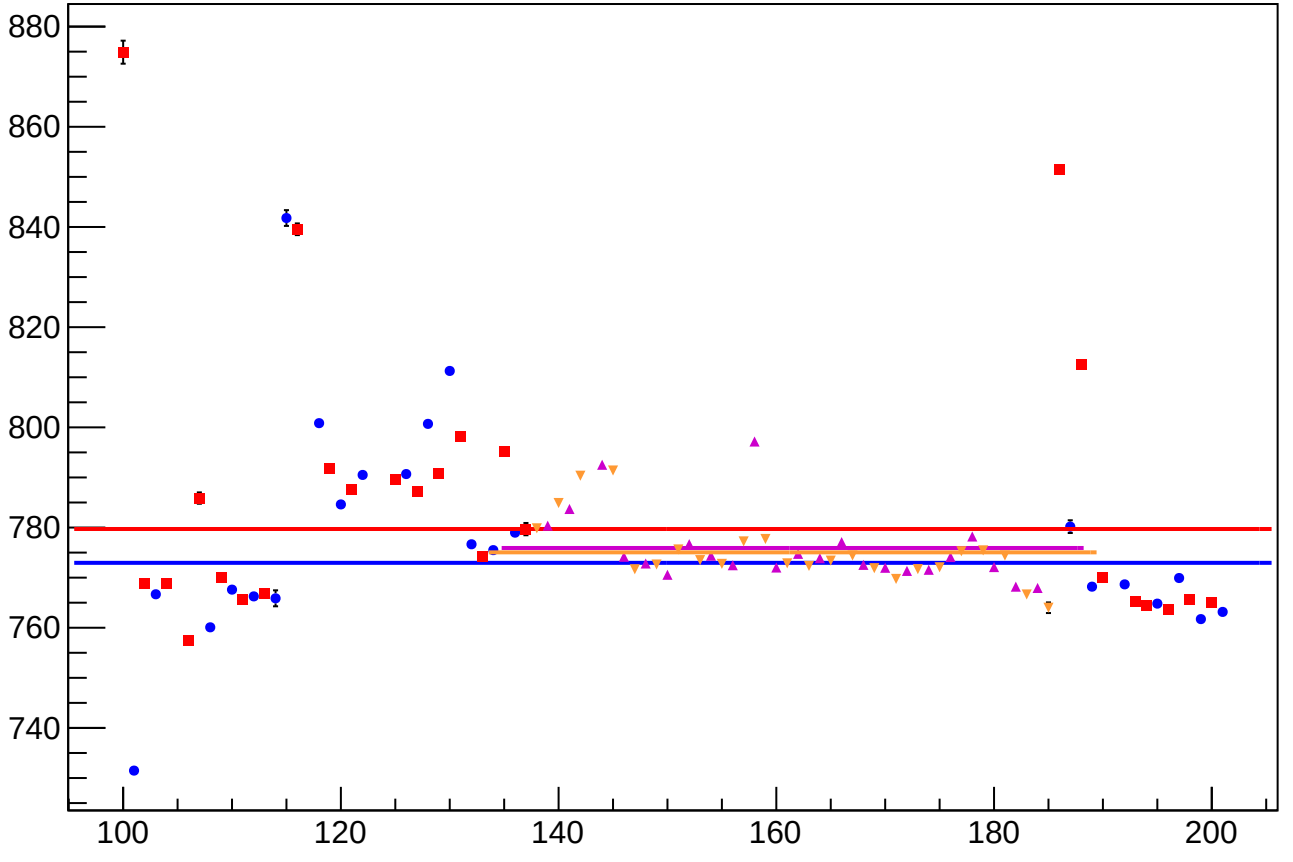
Right: -62.703+/-153.280 χ^2/NDF: 28.8/48

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

Out: -133.619+/-137.637 χ^2/NDF:31.0/49

All: -171.607+/-98.088 χ^2/NDF: 68.2/95

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: 779.713+/-0.151 χ^2/NDF: 20104.3/25

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

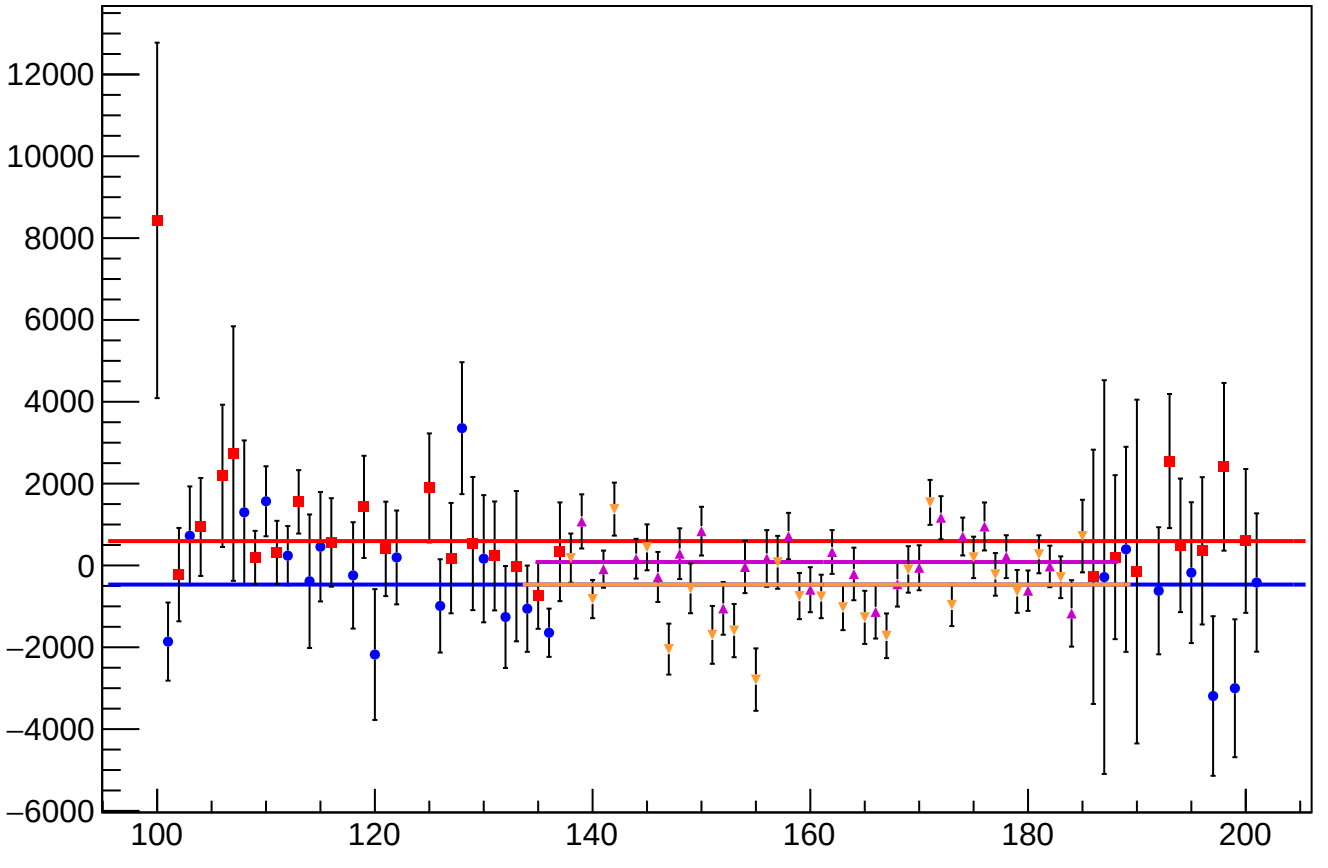
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 776.430+/-0.108 χ^2/NDF: 34676.8/48

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

Out: 776.983+/-0.097 χ^2/NDF:22612.8/49

All: 775.871+/-0.069 χ^2/NDF: 39669.5/95



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: 595.459+/-246.222 χ^2/NDF: 14.1/25

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

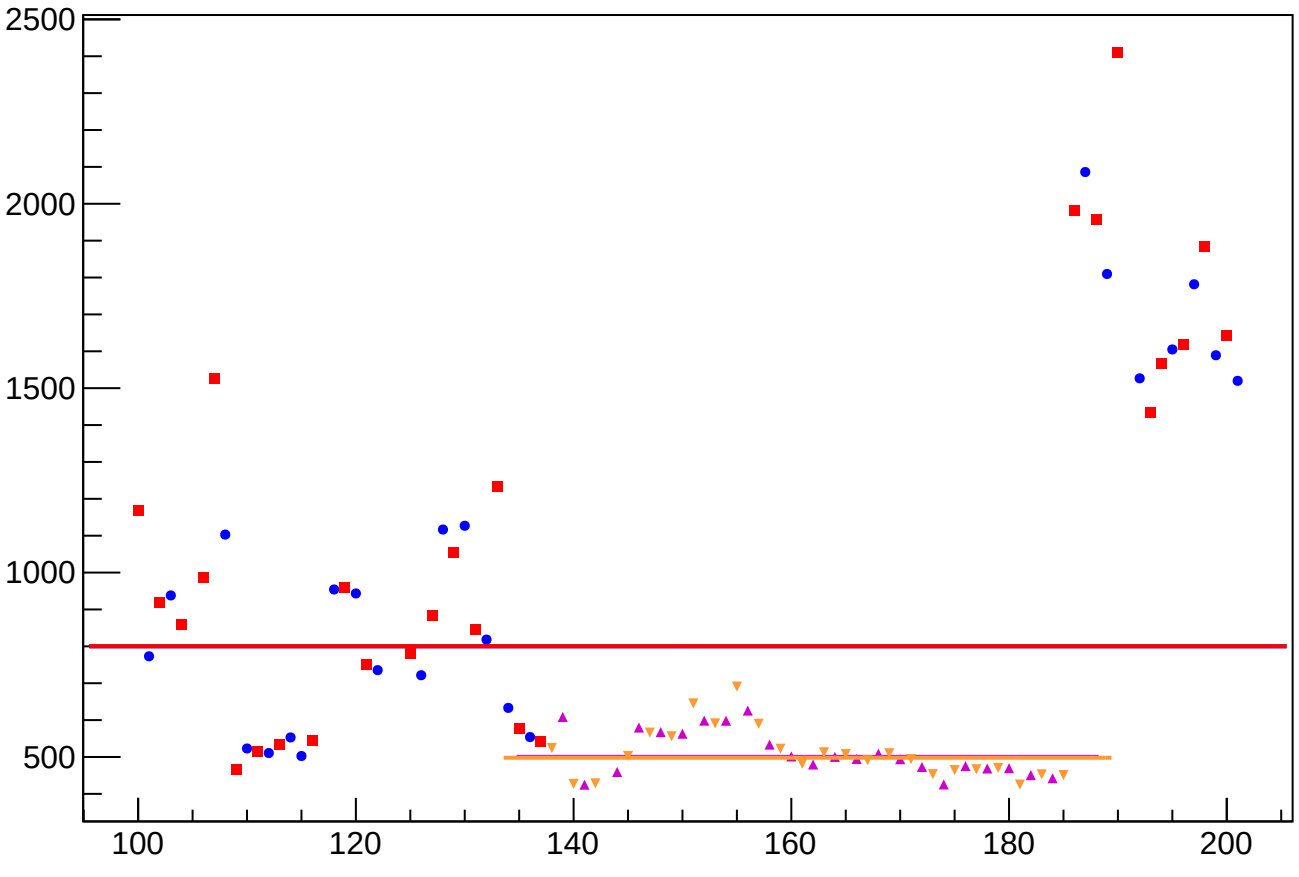
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.491+/-175.483 χ^2/NDF: 51.1/48

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -272.198+/-105.464 χ^2/NDF:93.7/49

All: -145.830+/-74.966 χ^2/NDF: 156.5/95



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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

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

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

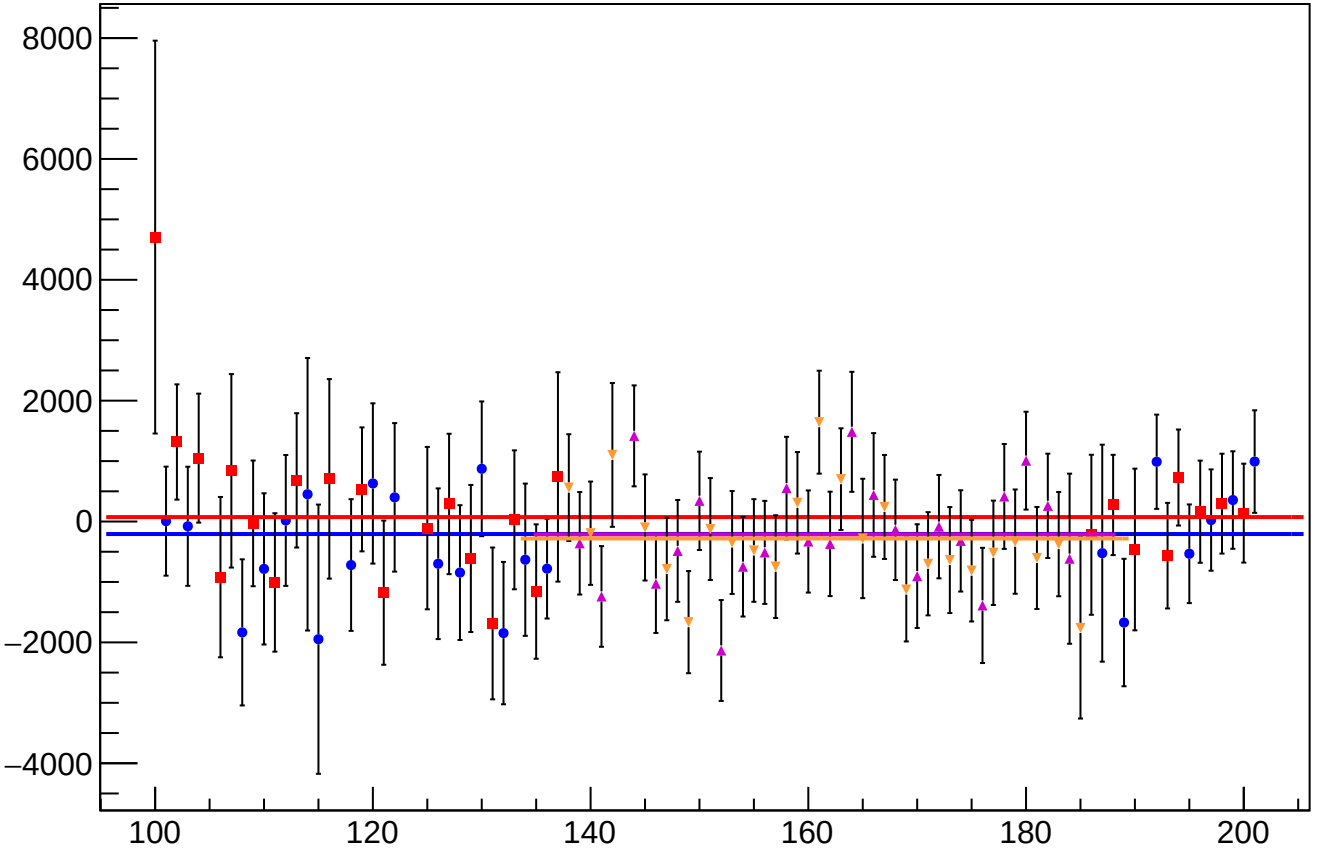
Right: 800.178+/-0.124 χ^2/NDF: 9224498.6/48

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

Out: 553.456+/-0.075 χ^2/NDF:8177901.7/49

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95

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: 73.636+/-213.774 χ^2/NDF: 13.3/25

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

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

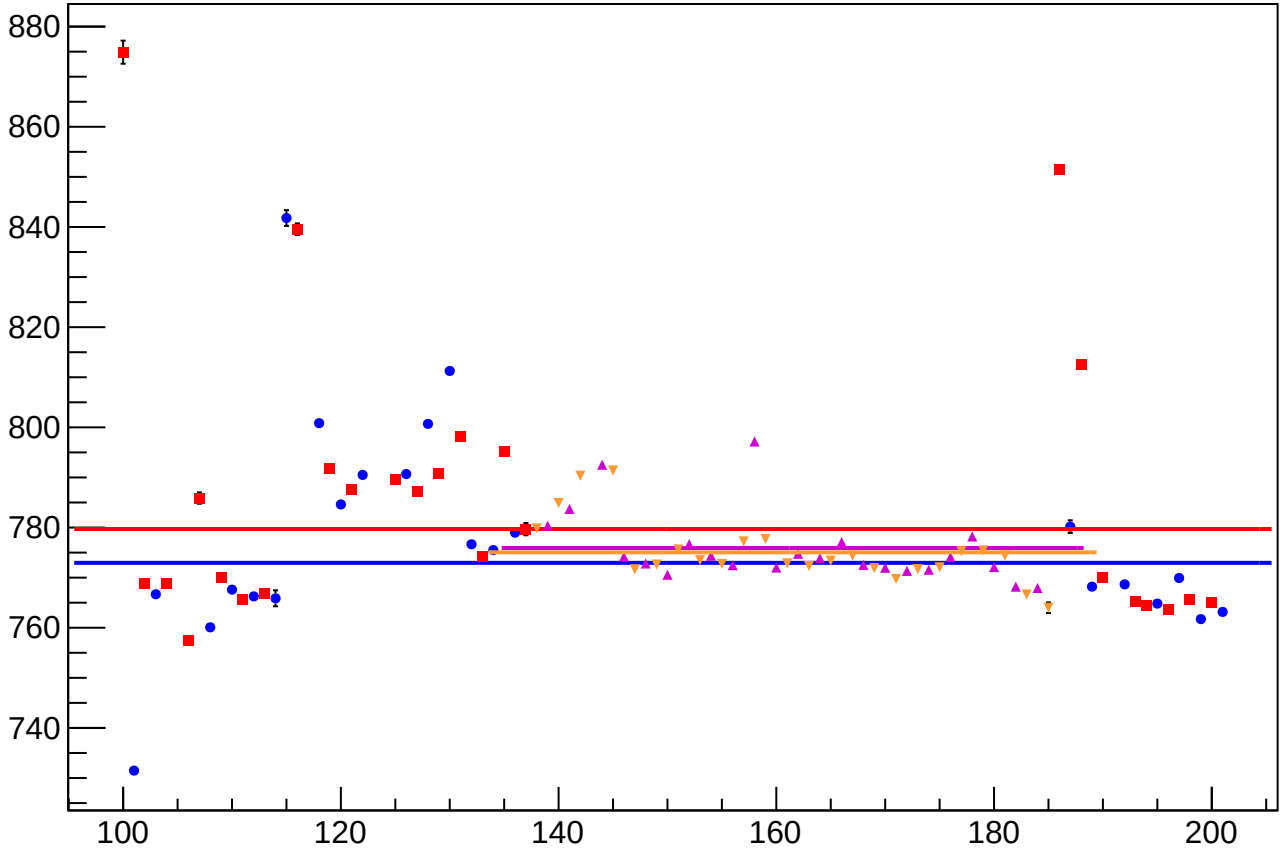
Right: -62.703+/-153.280 χ^2/NDF: 28.8/48

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

Out: -133.619+/-137.637 χ^2/NDF:31.0/49

All: -171.607+/-98.088 χ^2/NDF: 68.2/95

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: 779.713+/-0.151 χ^2/NDF: 20104.3/25

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

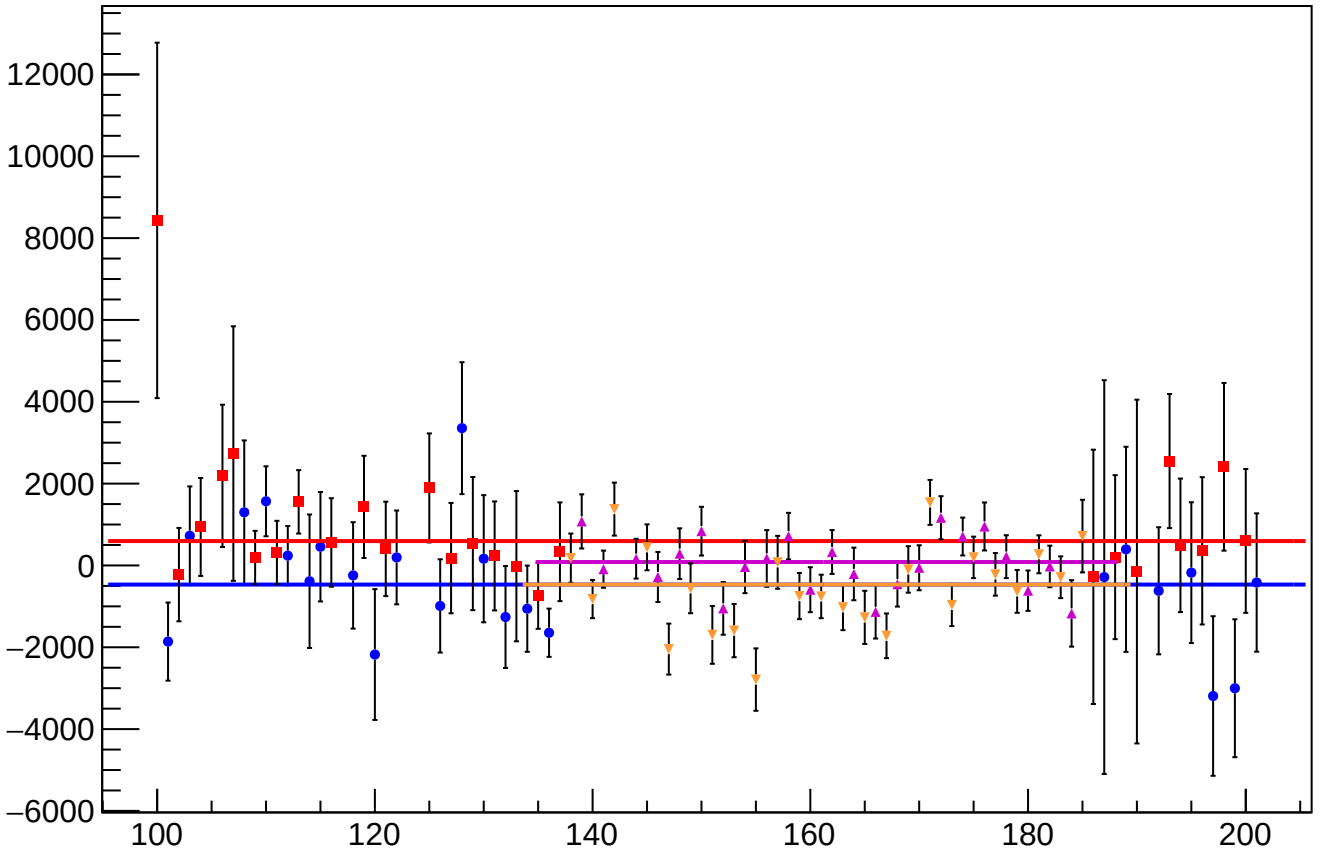
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 776.430+/-0.108 χ^2/NDF: 34676.8/48

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

Out: 776.983+/-0.097 χ^2/NDF:22612.8/49

All: 775.871+/-0.069 χ^2/NDF: 39669.5/95



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: 595.459+/-246.222 χ^2/NDF: 14.1/25

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

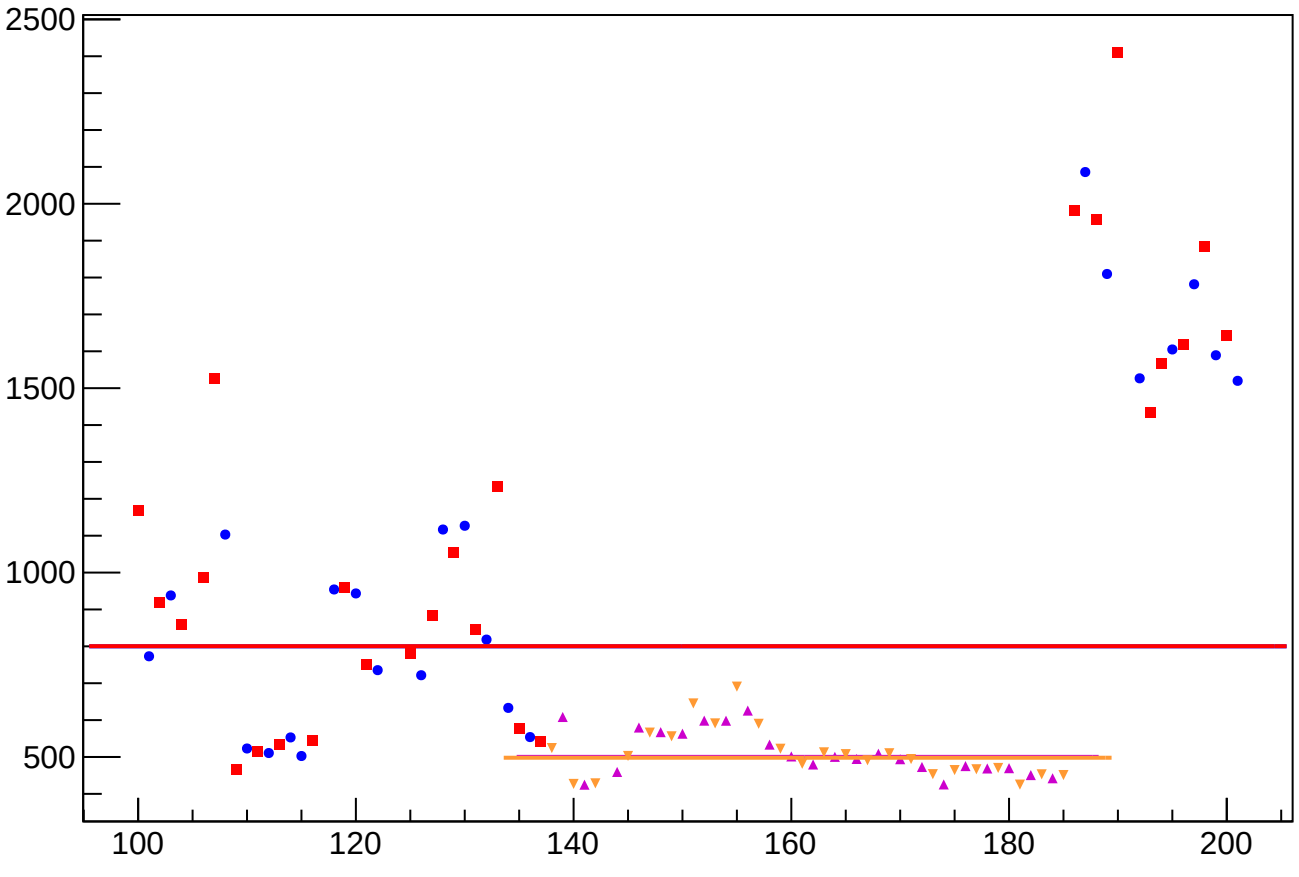
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.491+/-175.483 χ^2/NDF: 51.1/48

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -272.198+/-105.464 χ^2/NDF:93.7/49

All: -145.830+/-74.966 χ^2/NDF: 156.5/95



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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

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

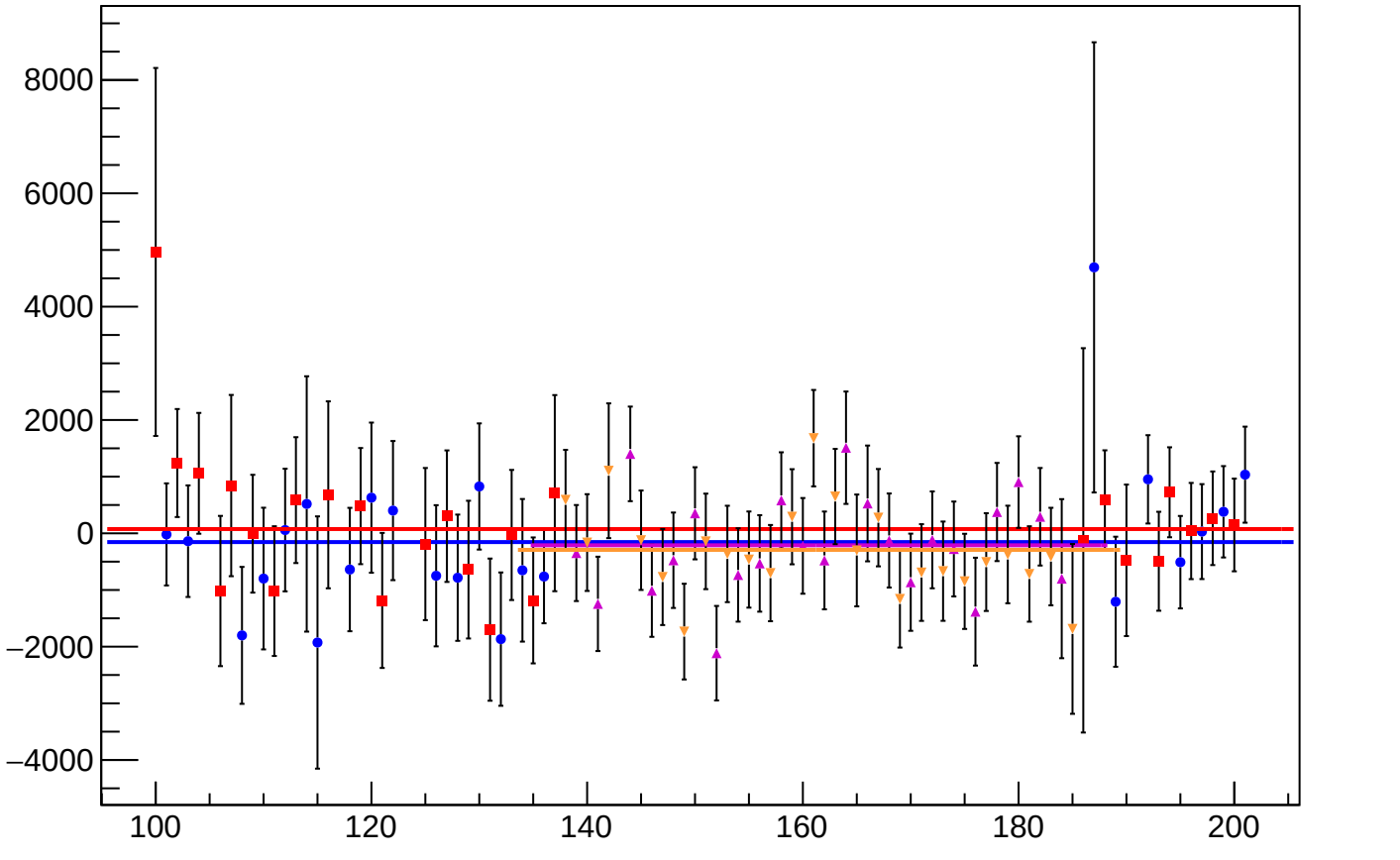
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 800.178+/-0.124 χ^2/NDF: 9224498.6/48

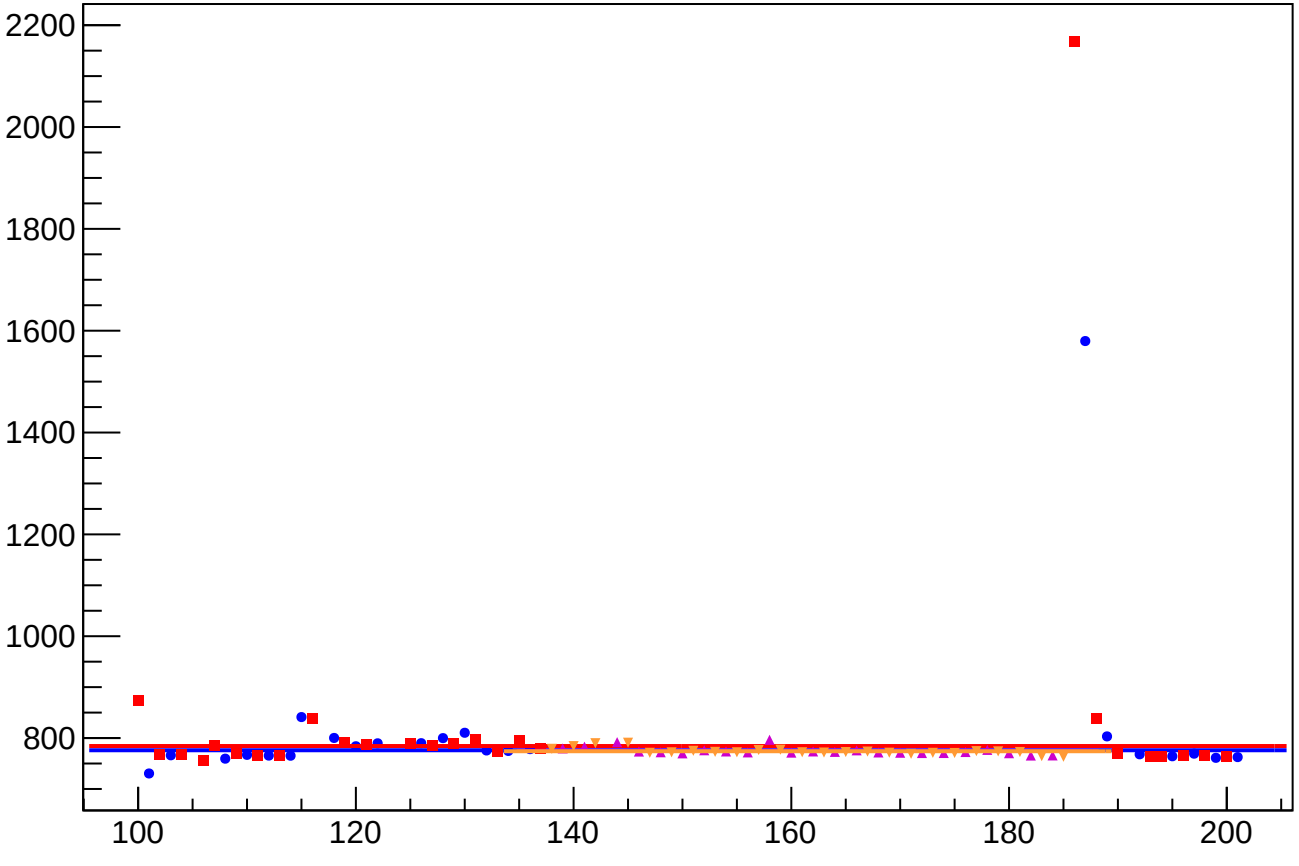
In: 554.692+/-0.075 χ^2/NDF:6863330.8/45

Out: 553.456+/-0.075 χ^2/NDF:8177901.7/49

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95


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: 75.680+/-216.800 χ²/NDF: 13.6/25
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -36.789+/-155.036 χ²/NDF: 28.9/48
In: -188.564+/-140.208 χ²/NDF:37.0/45
Out: -142.316+/-138.339 χ²/NDF:31.9/49
All: -165.129+/-98.474 χ²/NDF: 68.9/95

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: 784.336+/-0.153 χ^2/NDF: 353987.3/25

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

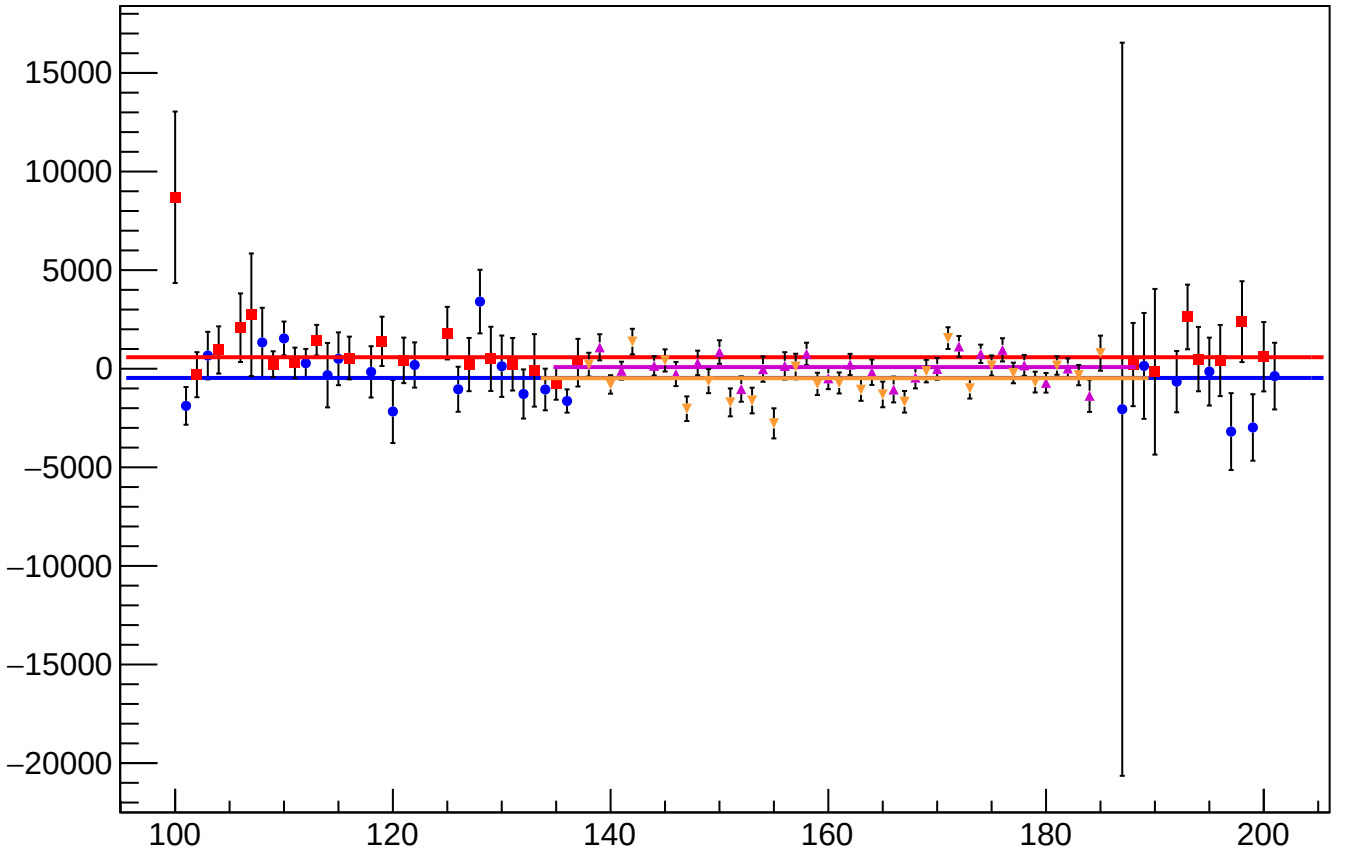
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 780.287+/-0.110 χ^2/NDF: 452481.1/48

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

Out: 778.293+/-0.098 χ^2/NDF:358669.4/49

All: 776.872+/-0.070 χ^2/NDF: 459338.1/95



Right In: -466.772+/-250.969 χ^2/NDF: 27.8/22

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

Right Out: 583.614+/-247.524 χ^2/NDF: 13.9/24

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

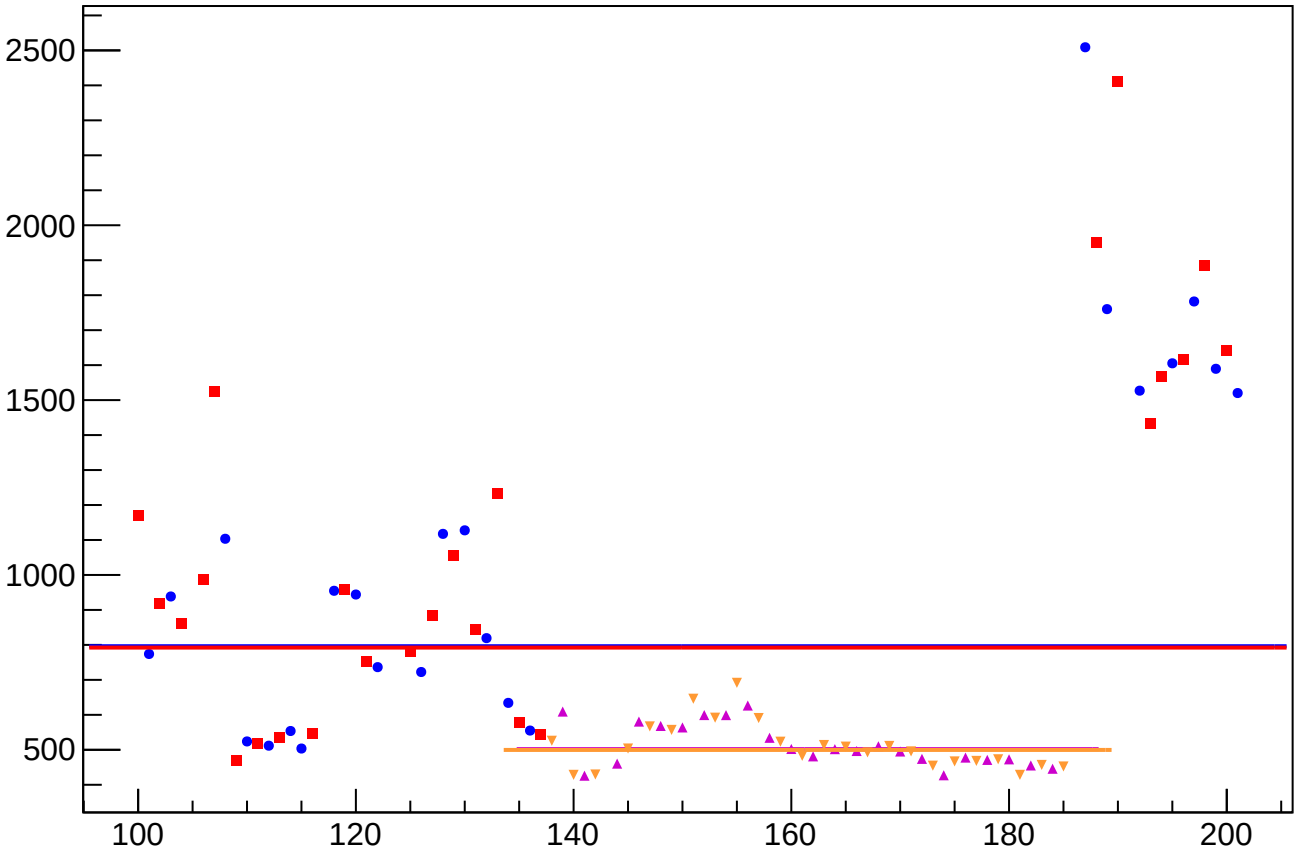
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 65.681+/-176.231 χ^2/NDF: 50.5/47

In: -16.640+/-106.929 χ^2/NDF:60.0/45

Out: -286.583+/-105.846 χ^2/NDF:92.5/48

All: -152.986+/-75.225 χ^2/NDF: 155.7/94



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: 792.326+/-0.175 χ^2/NDF: 4803707.4/24

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

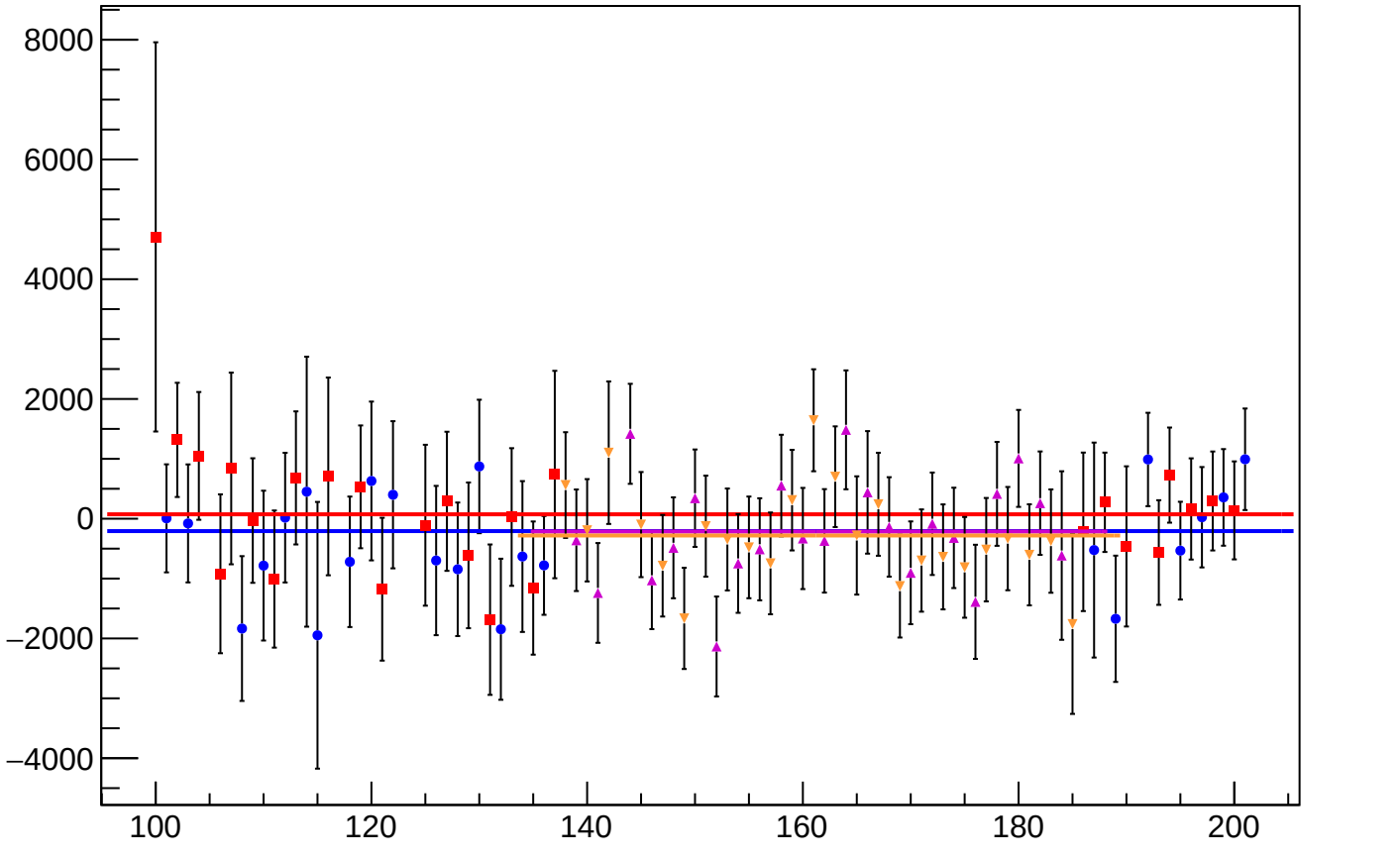
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

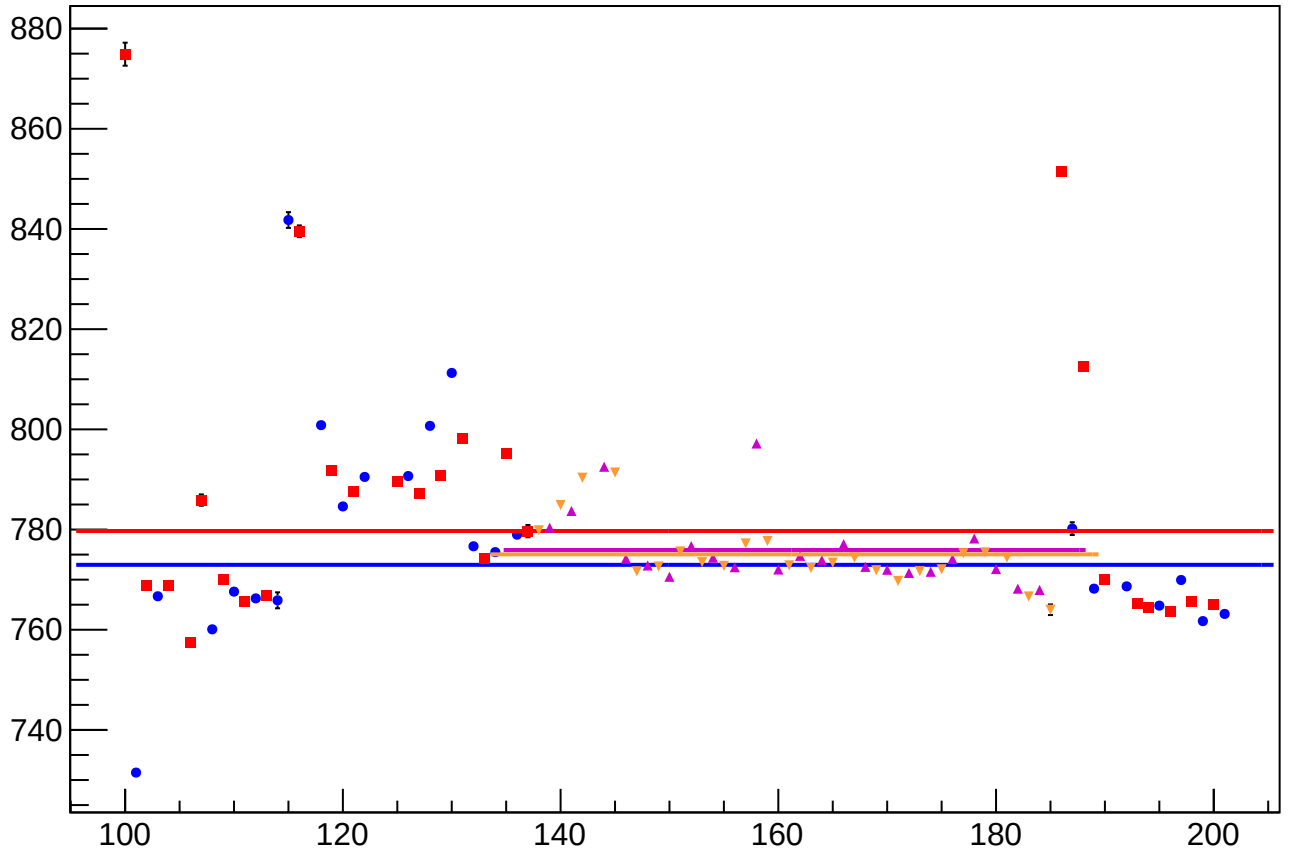
Right: 794.270+/-0.125 χ^2/NDF: 8635305.8/47

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

Out: 553.184+/-0.075 χ^2/NDF:7604609.6/48

All: 554.301+/-0.053 χ^2/NDF: 14153945.2/94


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -206.963+/-219.896 χ²/NDF: 14.7/22
Left Out: -280.364+/-179.881 χ²/NDF:16.1/23
Right Out: 73.636+/-213.774 χ²/NDF: 13.3/25
Left In: -213.425+/-181.168 χ²/NDF:22.4/22
Left: -247.133+/-127.647 χ²/NDF: 38.5/46
Right: -62.703+/-153.280 χ²/NDF: 28.8/48
In: -210.812+/-139.825 χ²/NDF:37.1/45
Out: -133.619+/-137.637 χ²/NDF:31.0/49
All: -171.607+/-98.088 χ²/NDF: 68.2/95



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: 779.713+/-0.151 χ^2/NDF: 20104.3/25

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

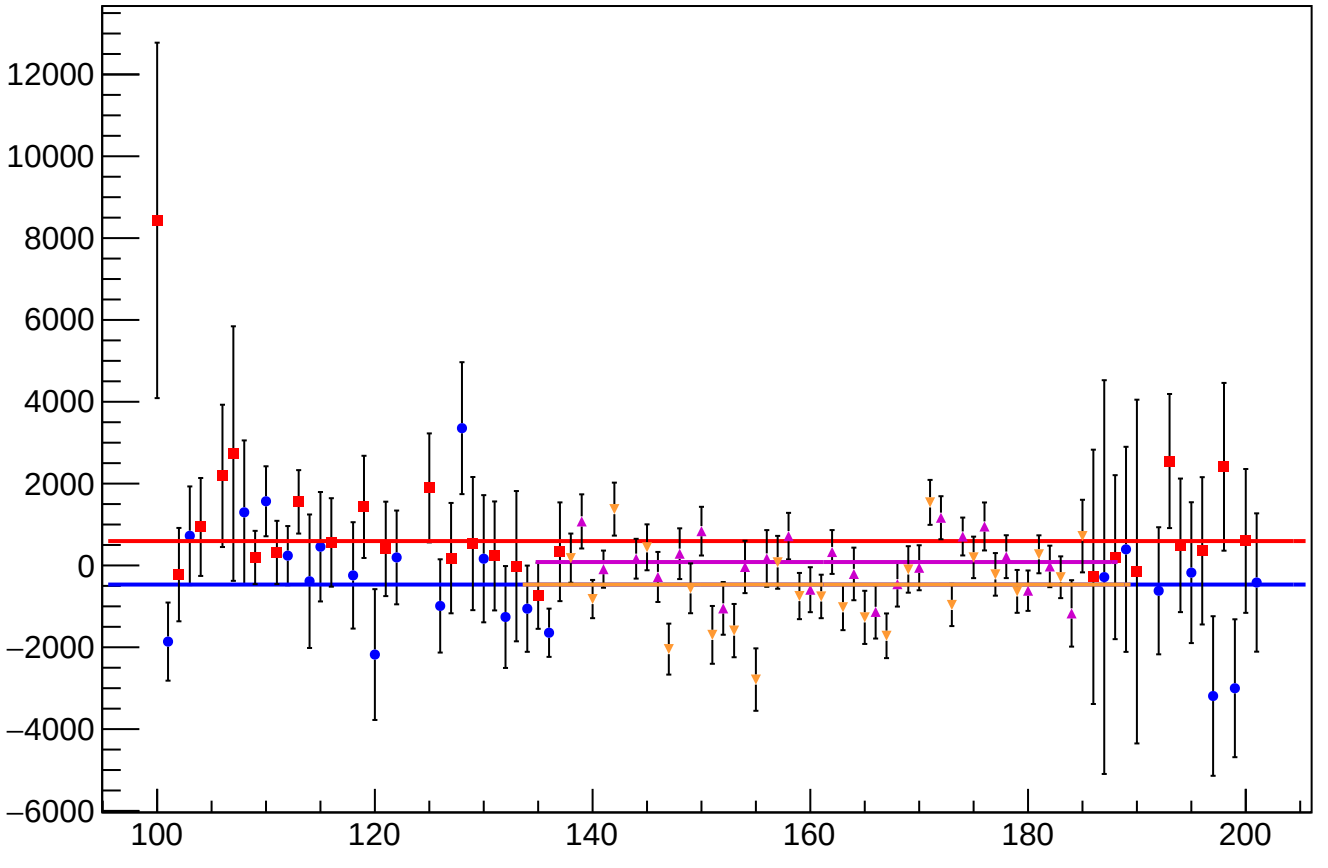
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 776.430+/-0.108 χ^2/NDF: 34676.8/48

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

Out: 776.983+/-0.097 χ^2/NDF:22612.8/49

All: 775.871+/-0.069 χ^2/NDF: 39669.5/95



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: 595.459+/-246.222 χ^2/NDF: 14.1/25

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

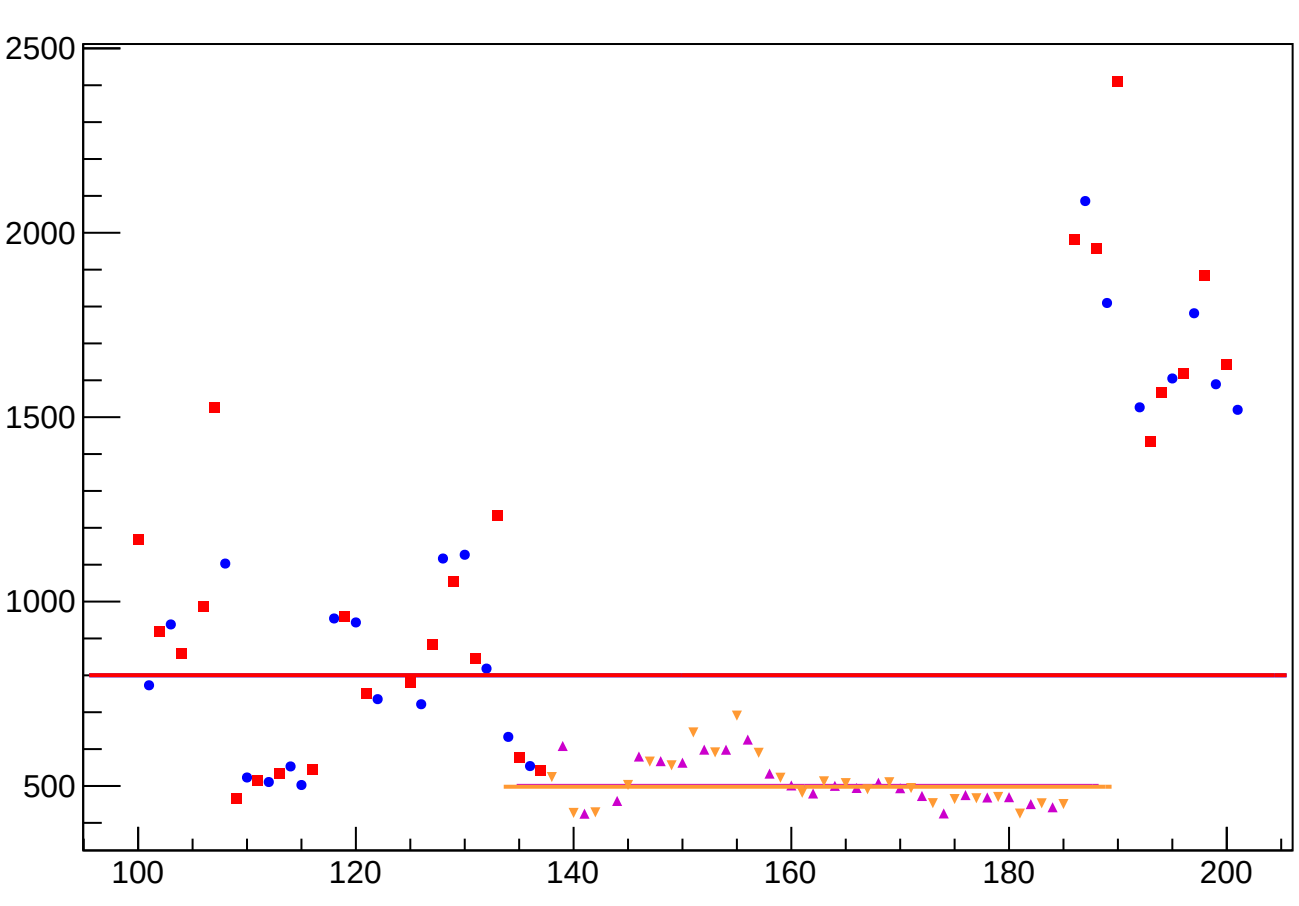
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.491+/-175.483 χ^2/NDF: 51.1/48

In: -16.772+/-106.581 χ^2/NDF:59.9/45

Out: -272.198+/-105.464 χ^2/NDF:93.7/49

All: -145.830+/-74.966 χ^2/NDF: 156.5/95



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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

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

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

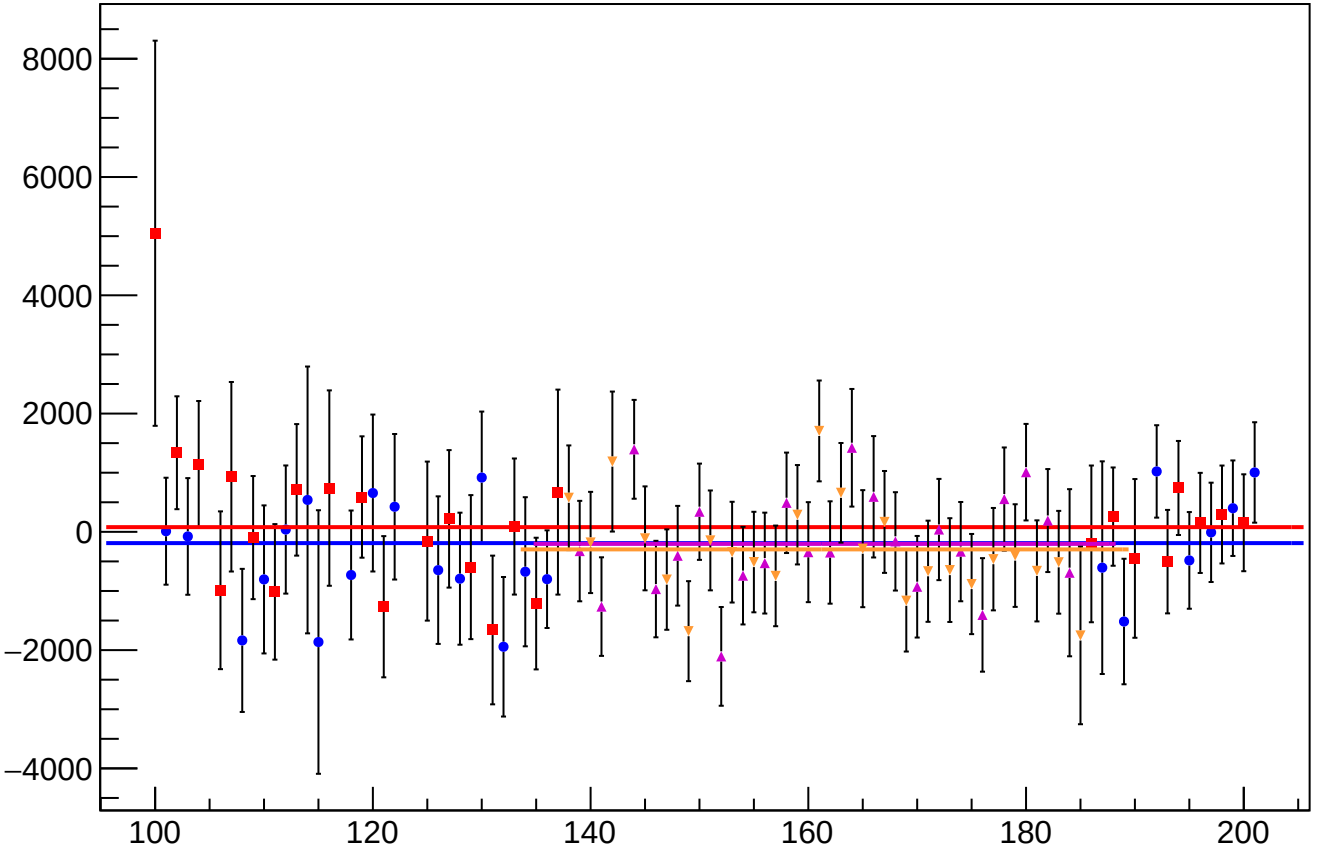
Right: 800.178+/-0.124 χ^2/NDF: 9224498.6/48

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

Out: 553.456+/-0.075 χ^2/NDF:8177901.7/49

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95

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: 79.520+/-214.026 χ^2/NDF: 14.1/25

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

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

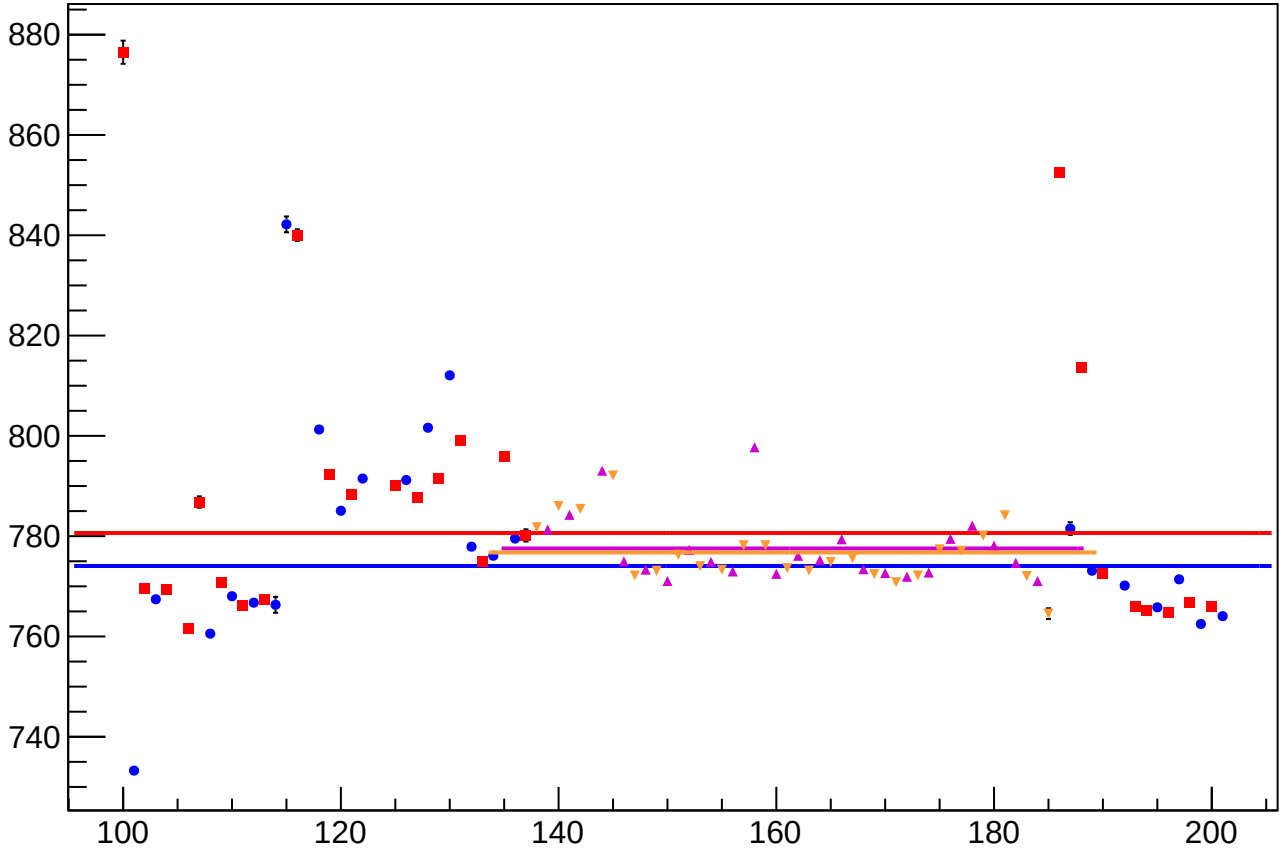
Right: -51.653+/-153.478 χ^2/NDF: 29.7/48

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

Out: -140.595+/-137.883 χ^2/NDF:32.6/49

All: -168.917+/-98.266 χ^2/NDF: 69.6/95

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: 780.636+/-0.151 χ^2/NDF: 19896.1/25

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

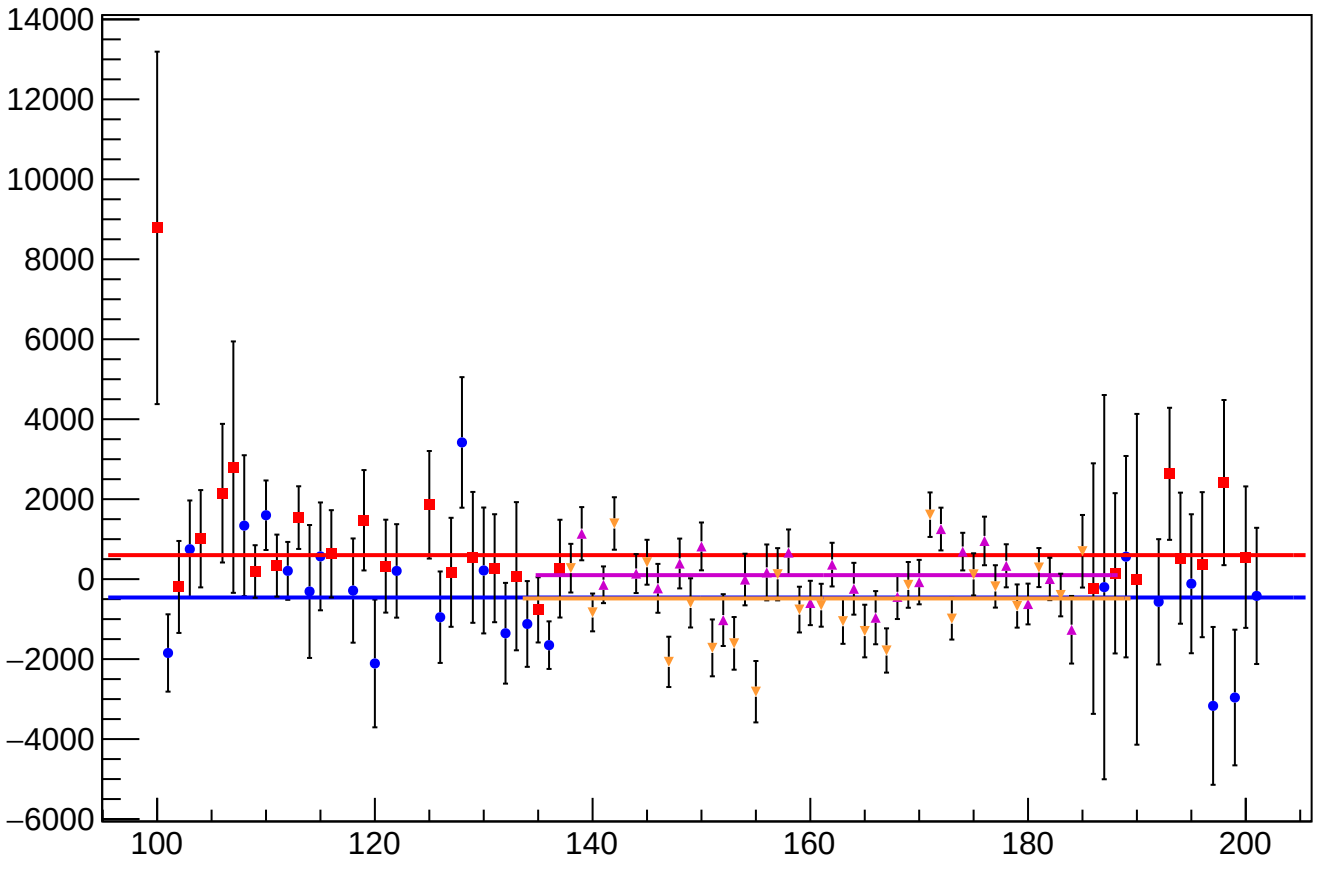
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 777.438+/-0.109 χ^2/NDF: 34070.7/48

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

Out: 778.363+/-0.097 χ^2/NDF:22107.9/49

All: 777.267+/-0.069 χ^2/NDF: 38671.5/95



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: 600.588+/-248.325 χ^2/NDF: 14.3/25

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

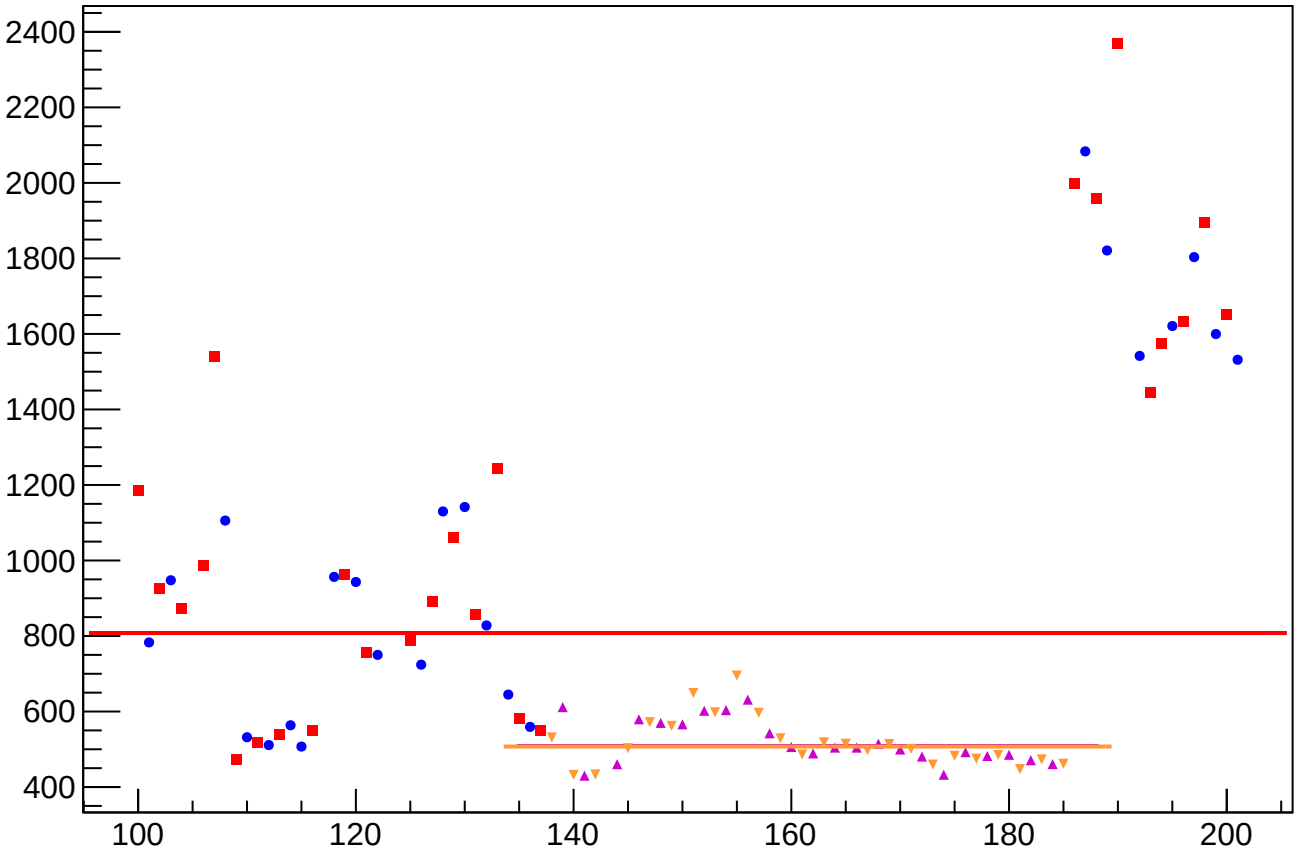
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 79.807+/-177.076 χ^2/NDF: 50.9/48

In: -2.494+/-108.150 χ^2/NDF:59.1/45

Out: -281.080+/-107.172 χ^2/NDF:94.9/49

All: -143.053+/-76.125 χ^2/NDF: 157.3/95



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: 807.945+/-0.176 χ^2/NDF: 5156118.8/25

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

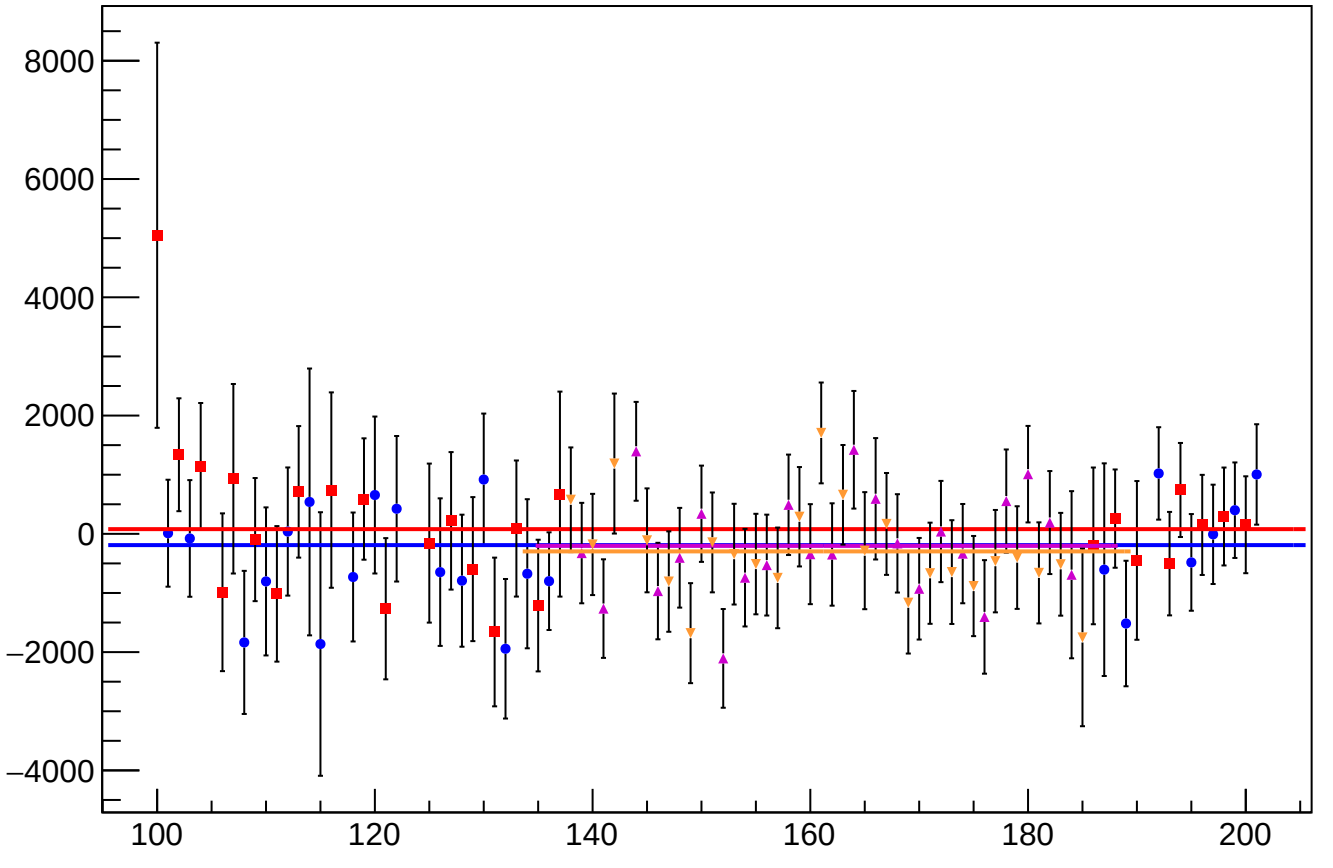
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 807.923+/-0.125 χ^2/NDF: 9187059.9/48

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

Out: 563.313+/-0.076 χ^2/NDF:8015322.4/49

All: 563.409+/-0.054 χ^2/NDF: 14771598.2/95



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: 79.519+/-214.026 χ^2/NDF: 14.1/25

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

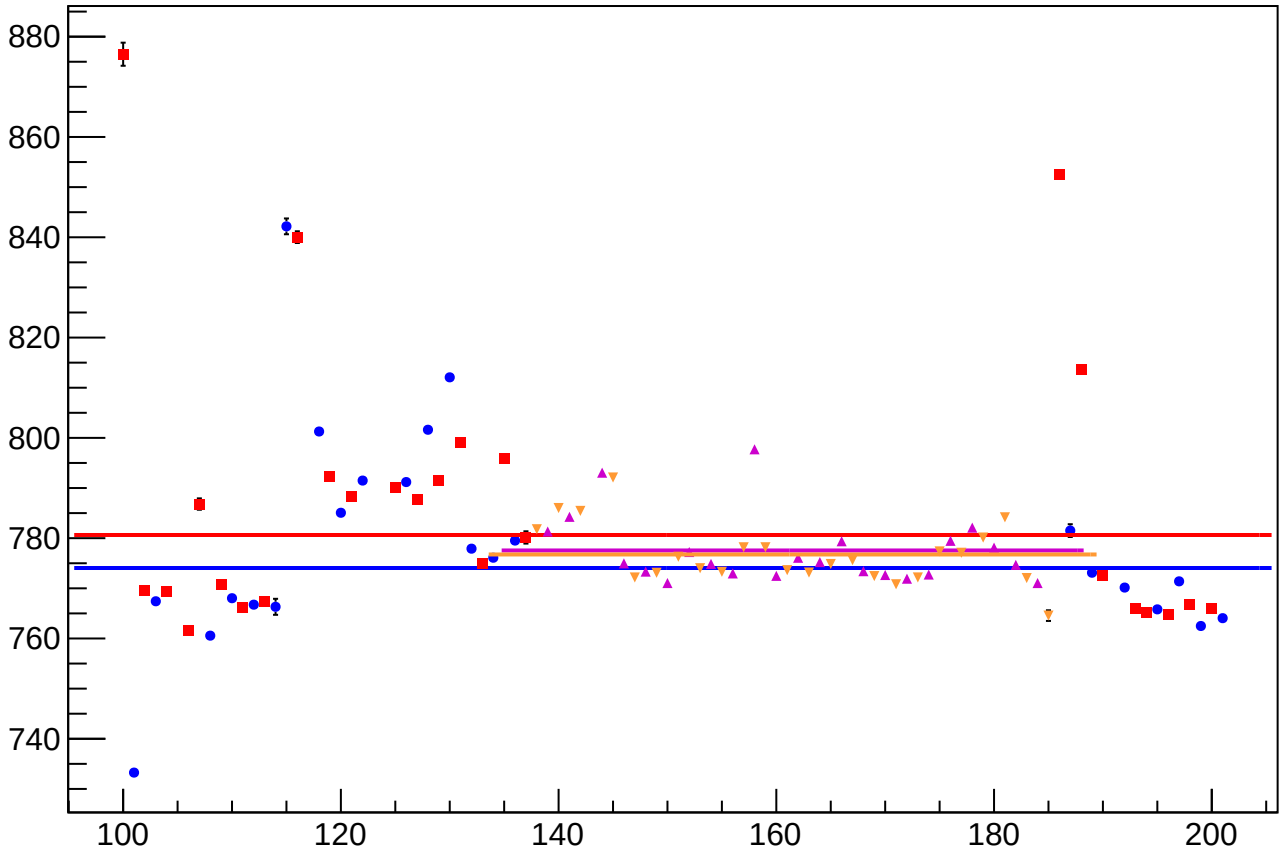
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -51.653+/-153.478 χ^2/NDF: 29.7/48

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

Out: -140.596+/-137.883 χ^2/NDF:32.6/49

All: -168.917+/-98.266 χ^2/NDF: 69.6/95



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: 780.636+/-0.151 χ^2/NDF: 19896.1/25

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

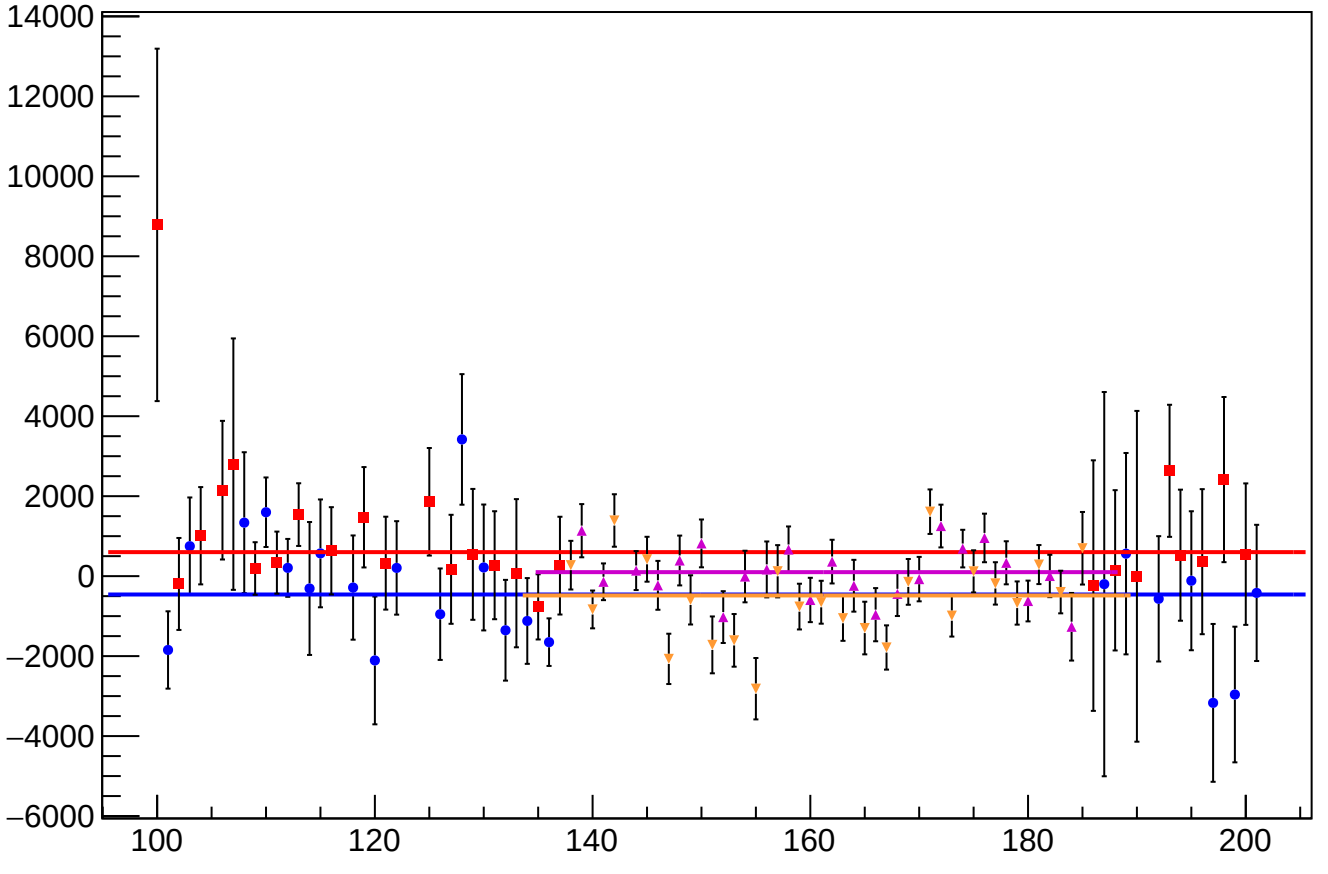
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 777.438+/-0.109 χ^2/NDF: 34070.7/48

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

Out: 778.363+/-0.097 χ^2/NDF:22107.9/49

All: 777.267+/-0.069 χ^2/NDF: 38671.5/95



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: 600.587+/-248.324 χ^2/NDF: 14.3/25

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

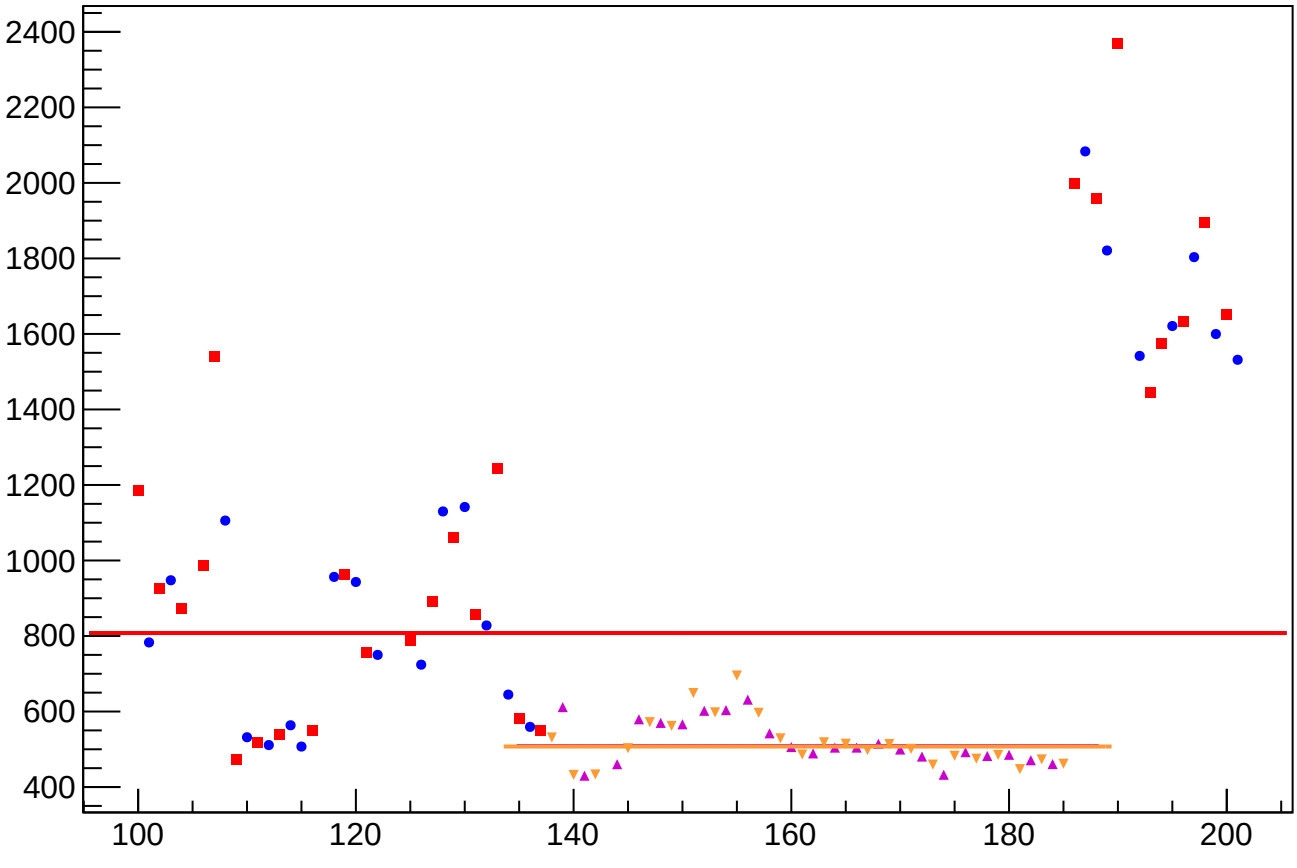
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 79.808+/-177.076 χ^2/NDF: 50.9/48

In: -2.494+/-108.150 χ^2/NDF:59.1/45

Out: -281.078+/-107.172 χ^2/NDF:94.9/49

All: -143.053+/-76.125 χ^2/NDF: 157.3/95



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: 807.942+/-0.176 χ^2/NDF: 5156164.1/25

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

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

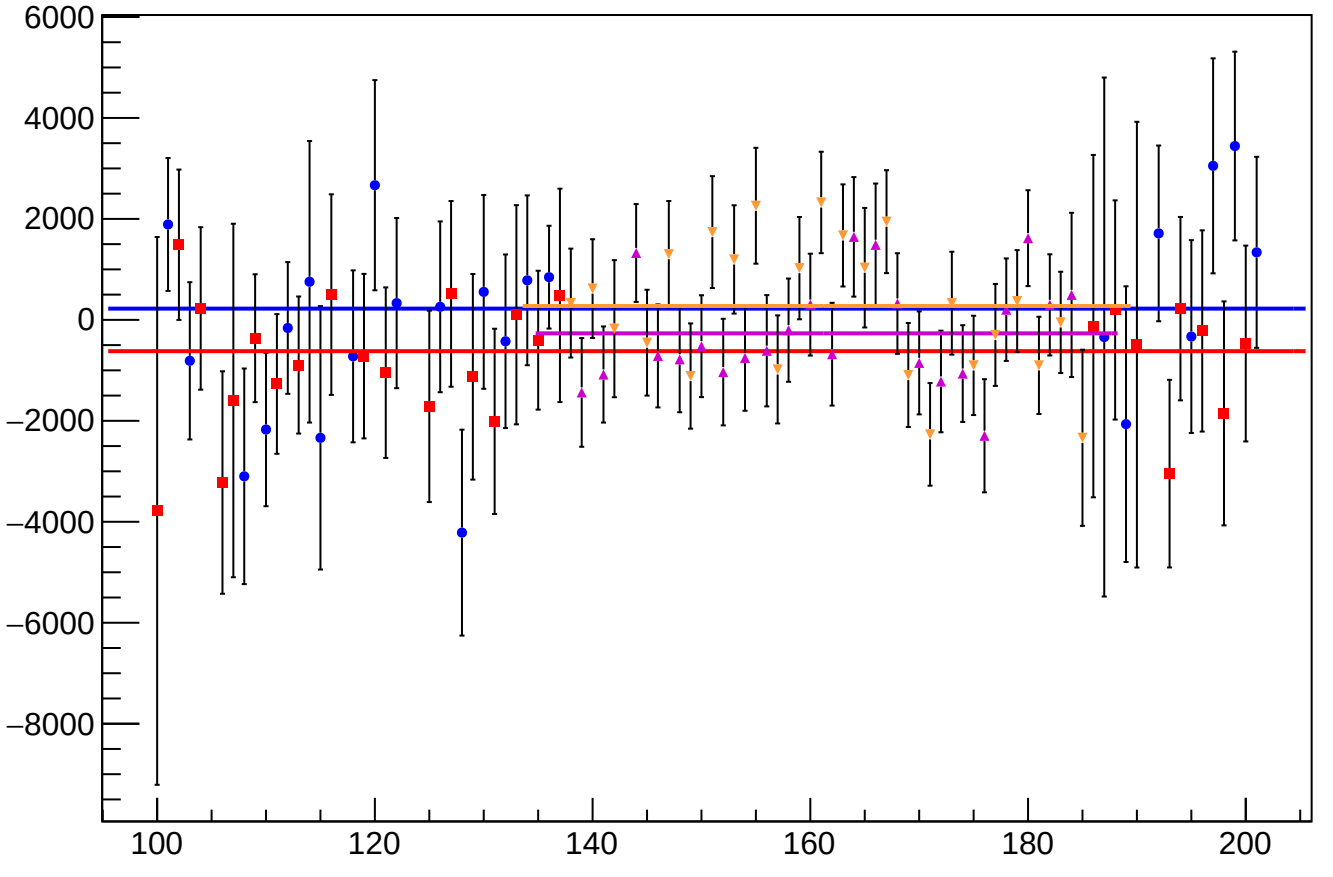
Right: 807.919+/-0.125 χ^2/NDF: 9187143.9/48

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

Out: 563.313+/-0.076 χ^2/NDF:8015328.8/49

All: 563.409+/-0.054 χ^2/NDF: 14771612.4/95

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: -619.889+/-363.522 χ^2/NDF: 9.0/25

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

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

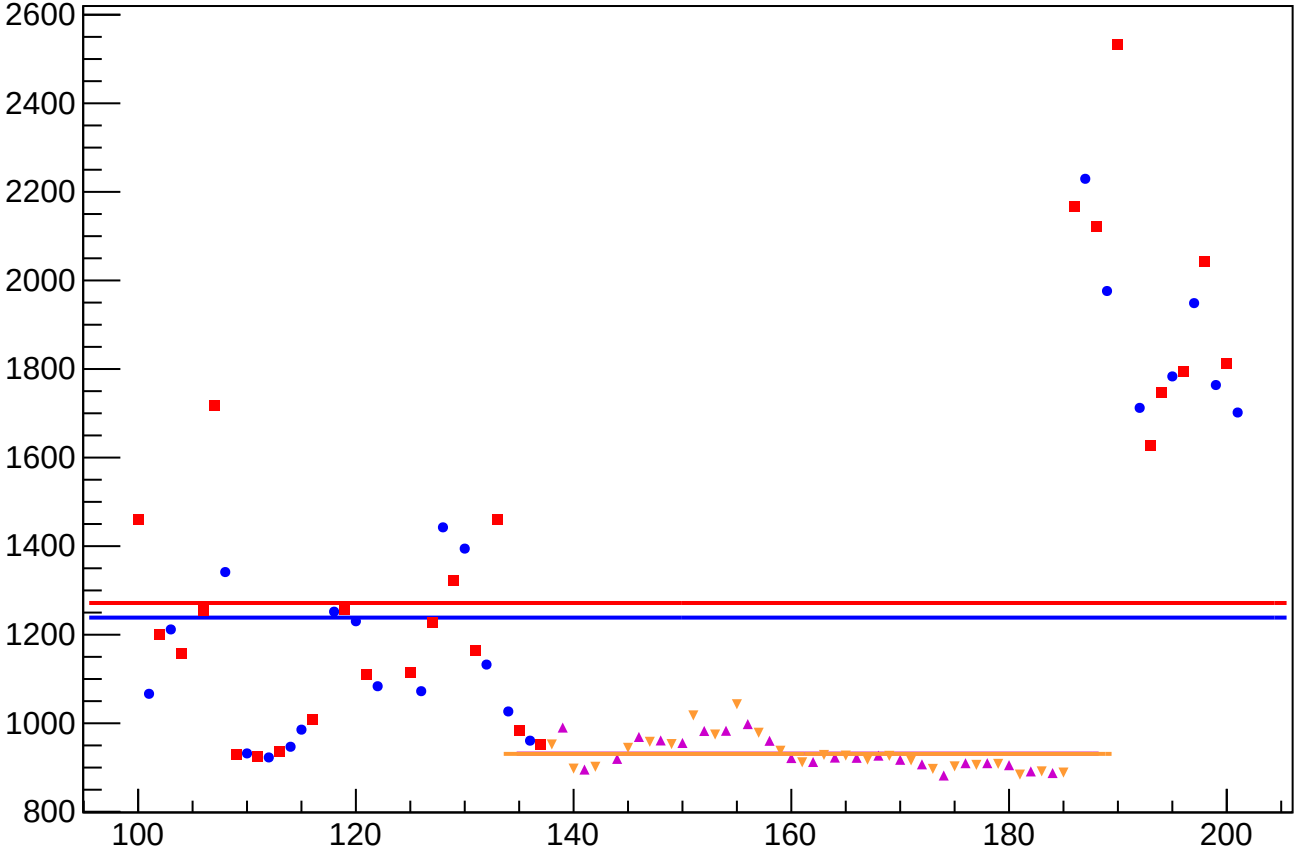
Right: -200.099+/-257.517 χ^2/NDF: 33.4/48

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

Out: 41.164+/-185.877 χ^2/NDF:47.1/49

All: -48.140+/-131.809 χ^2/NDF: 92.0/95

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: 1271.647+/-0.257 χ^2/NDF: 2022704.7/25

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

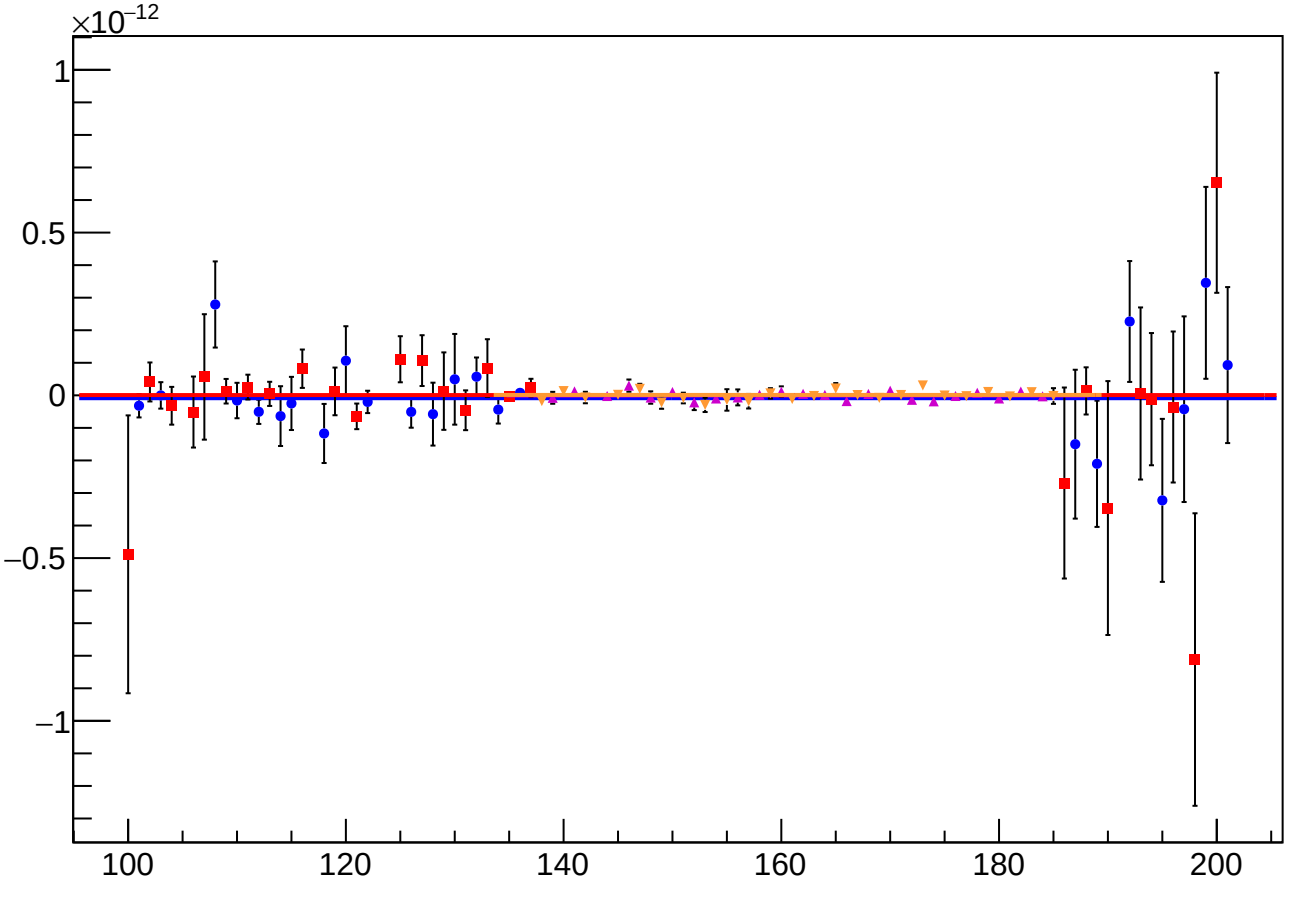
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1255.211+/-0.182 χ^2/NDF: 3598573.7/48

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

Out: 1020.005+/-0.131 χ^2/NDF:3382299.6/49

All: 1016.116+/-0.093 χ^2/NDF: 6045575.3/95



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: 23.0/25

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

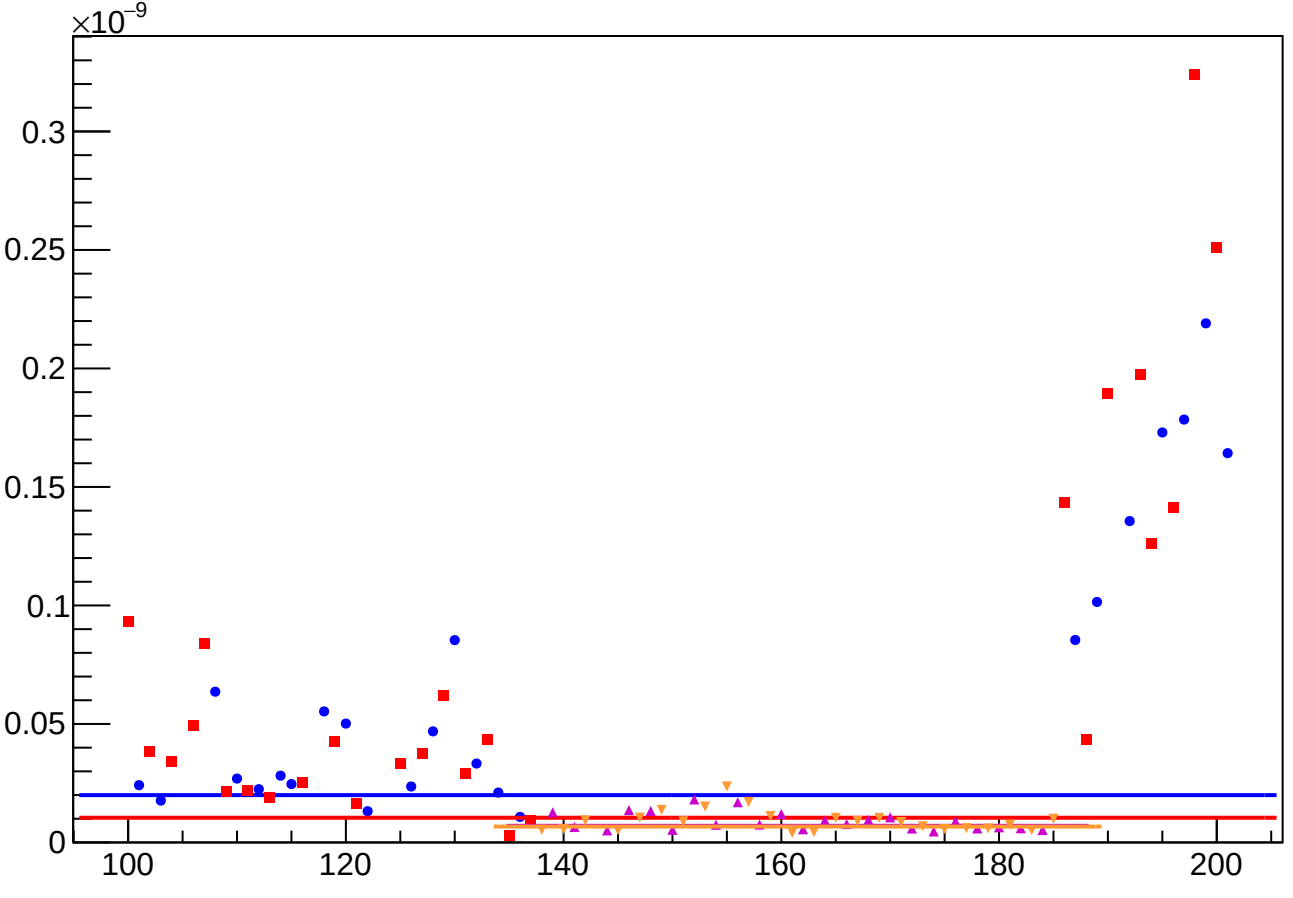
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 43.7/48

In: -0.000+/-0.000 χ^2/NDF:42.9/45

Out: 0.000+/-0.000 χ^2/NDF:48.7/49

All: 0.000+/-0.000 χ^2/NDF: 92.0/95



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: 10702901.1/25

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

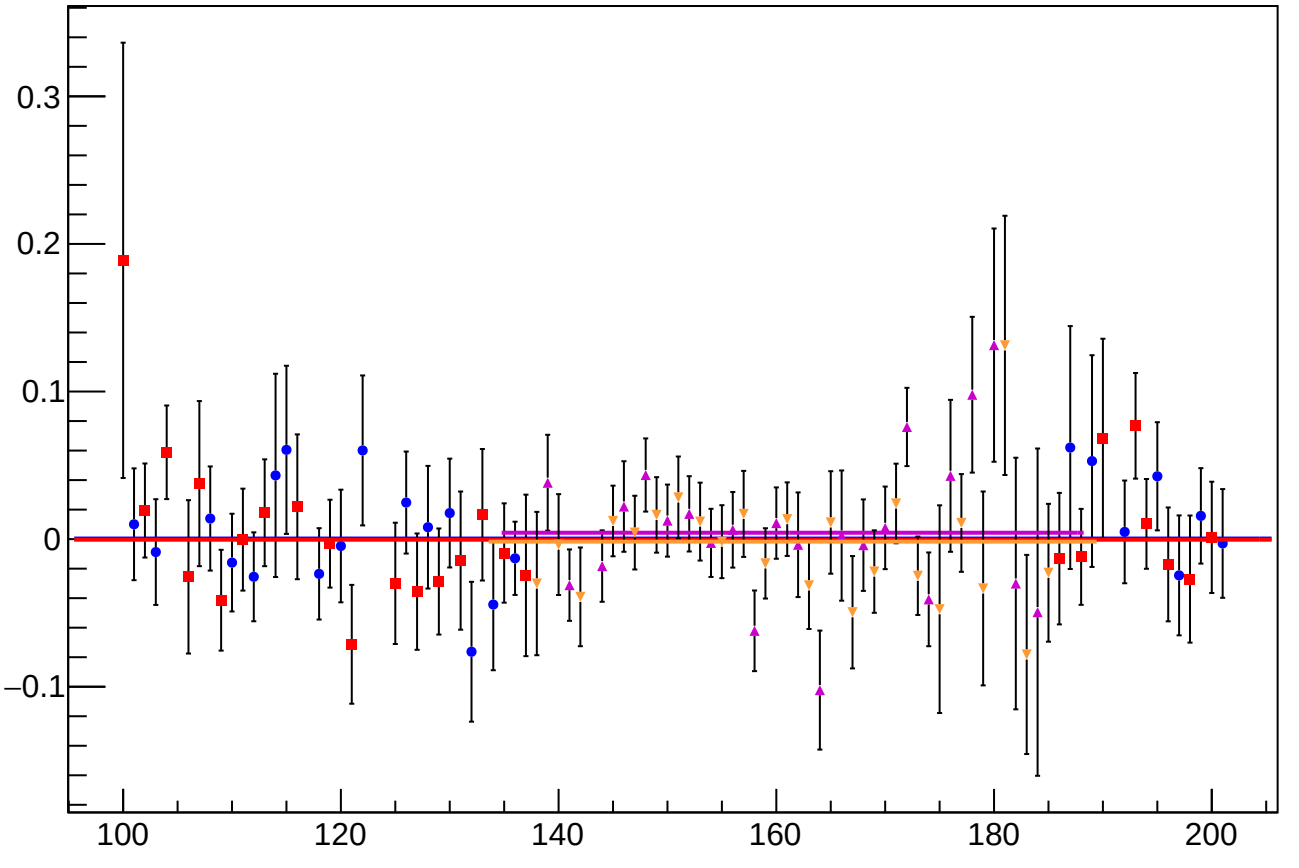
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 18463190.2/48

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

Out: 0.000+/-0.000 χ^2/NDF:14114597.3/49

All: 0.000+/-0.000 χ^2/NDF: 26311734.1/95



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: -0.000+/-0.008 χ^2/NDF: 20.3/25

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

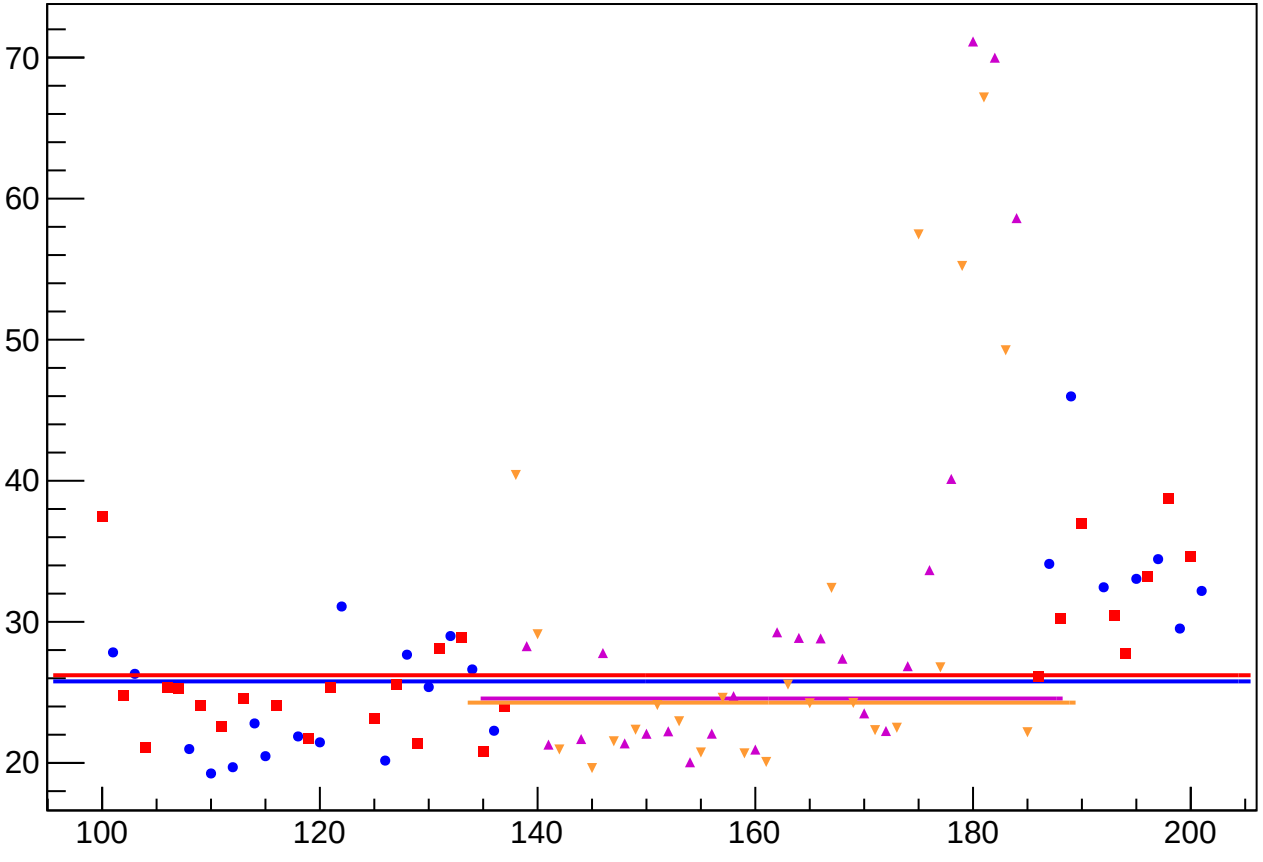
Right: -0.000+/-0.006 χ^2/NDF: 32.7/48

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.003 χ^2/NDF: 84.4/95

asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 26.215+/-0.005 χ^2/NDF: 717596.3/25

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

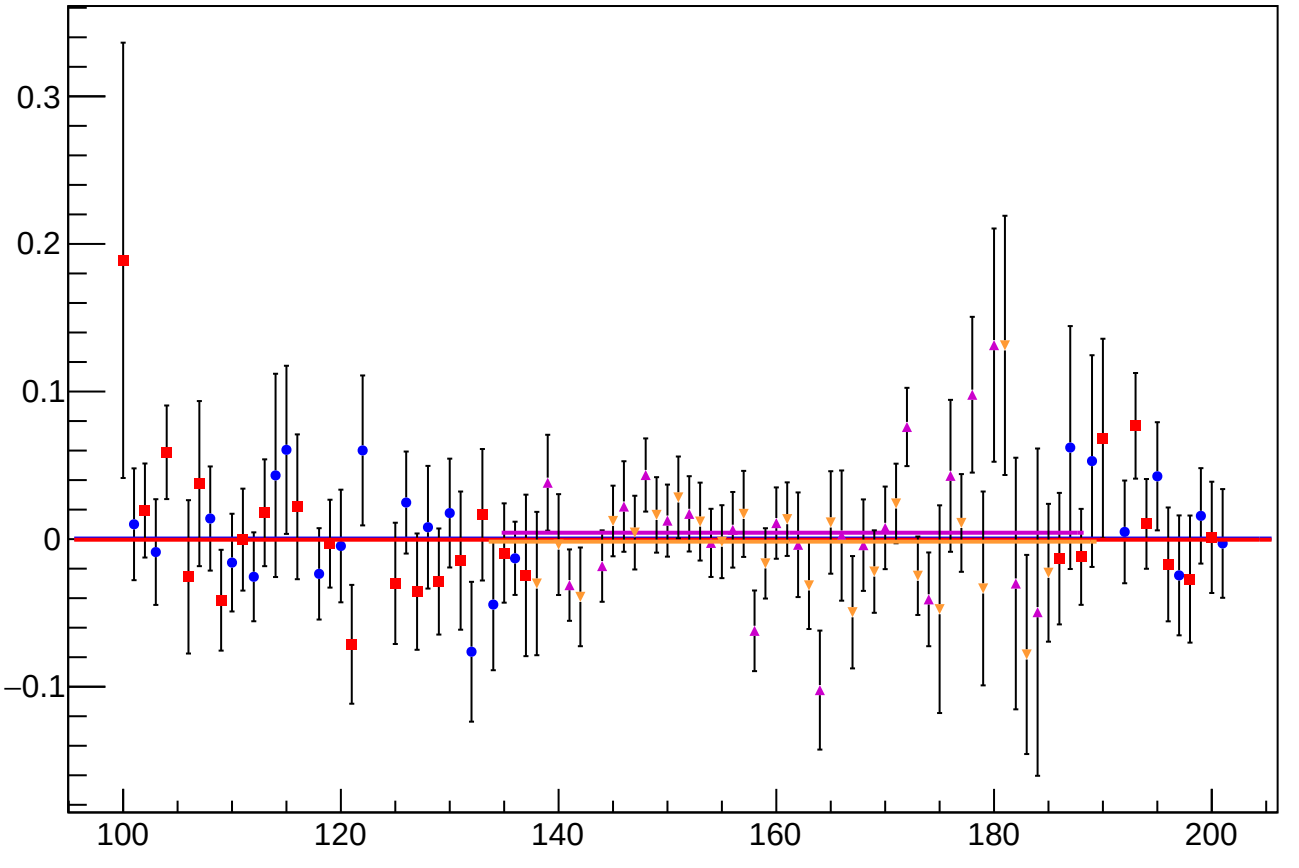
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.005+/-0.004 χ^2/NDF: 1640419.7/48

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

Out: 25.062+/-0.003 χ^2/NDF:3104241.0/49

All: 25.052+/-0.002 χ^2/NDF: 6185328.5/95



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: -0.000+/-0.008 χ^2/NDF: 20.3/25

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

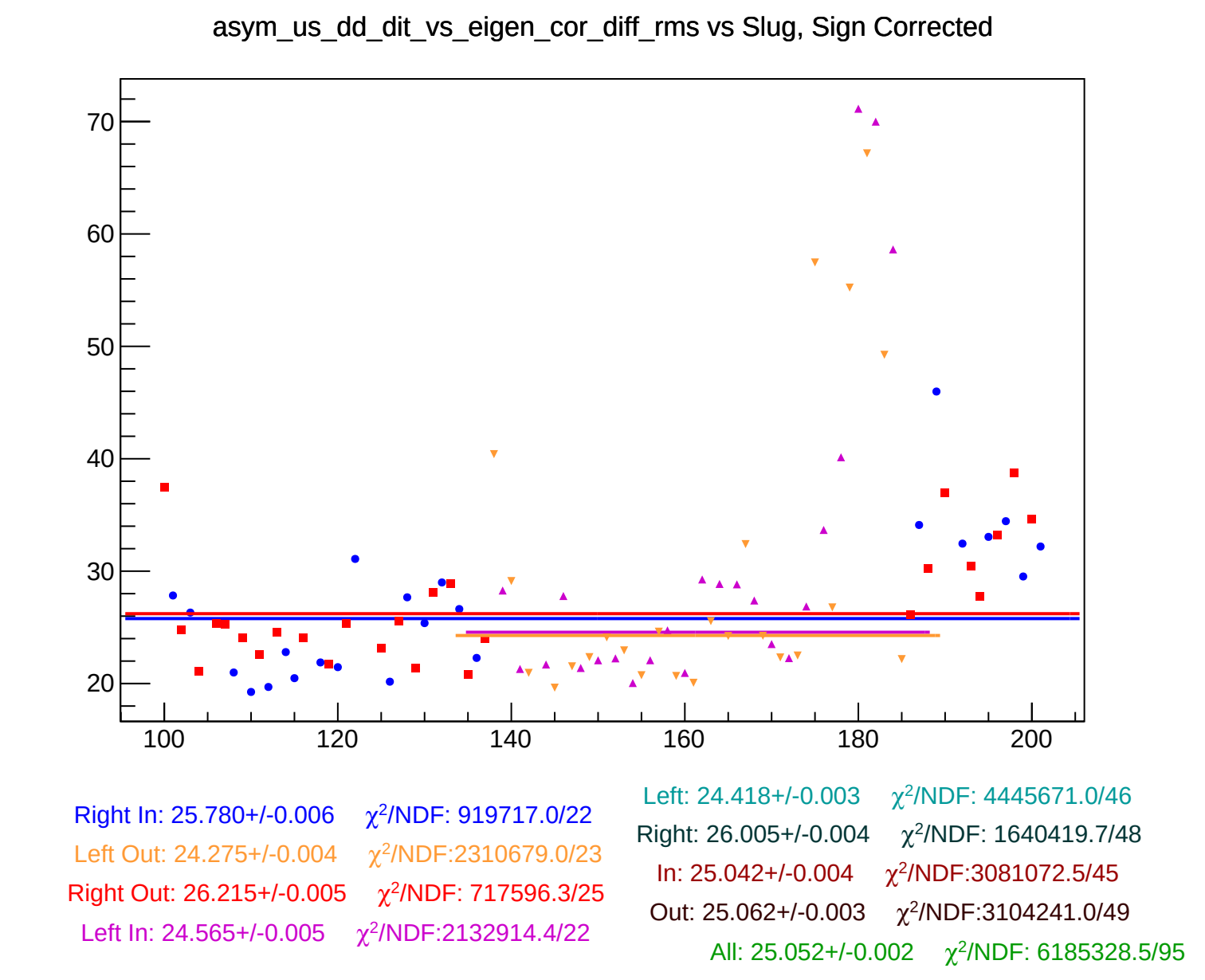
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.7/48

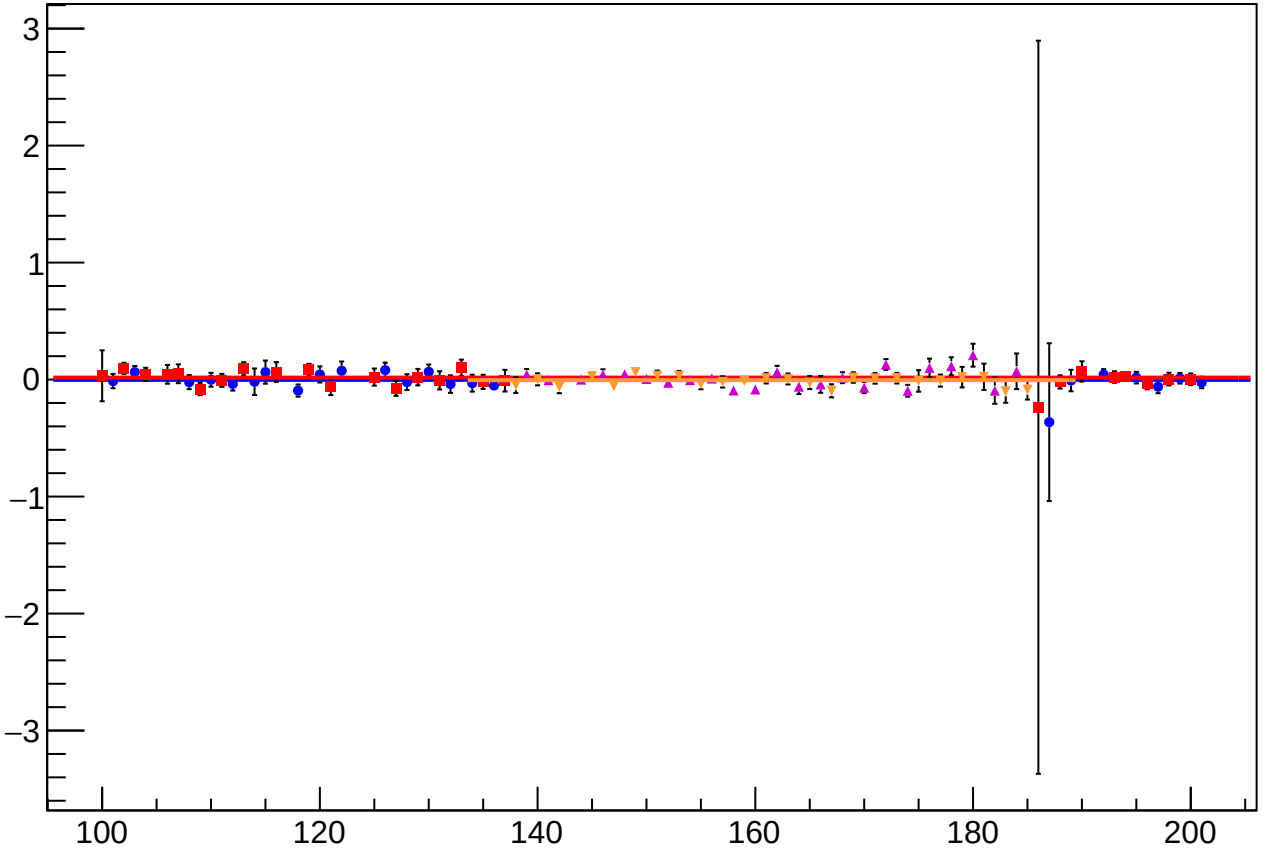
In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.003 χ^2/NDF: 84.4/95


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.780+/-0.006 χ²/NDF: 919717.0/22
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.215+/-0.005 χ²/NDF: 717596.3/25
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 26.005+/-0.004 χ²/NDF: 1640419.7/48
In: 25.042+/-0.004 χ²/NDF:3081072.5/45
Out: 25.062+/-0.003 χ²/NDF:3104241.0/49
All: 25.052+/-0.002 χ²/NDF: 6185328.5/95

asym_us_dd_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: 0.017+/-0.012 χ^2/NDF: 17.5/25

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

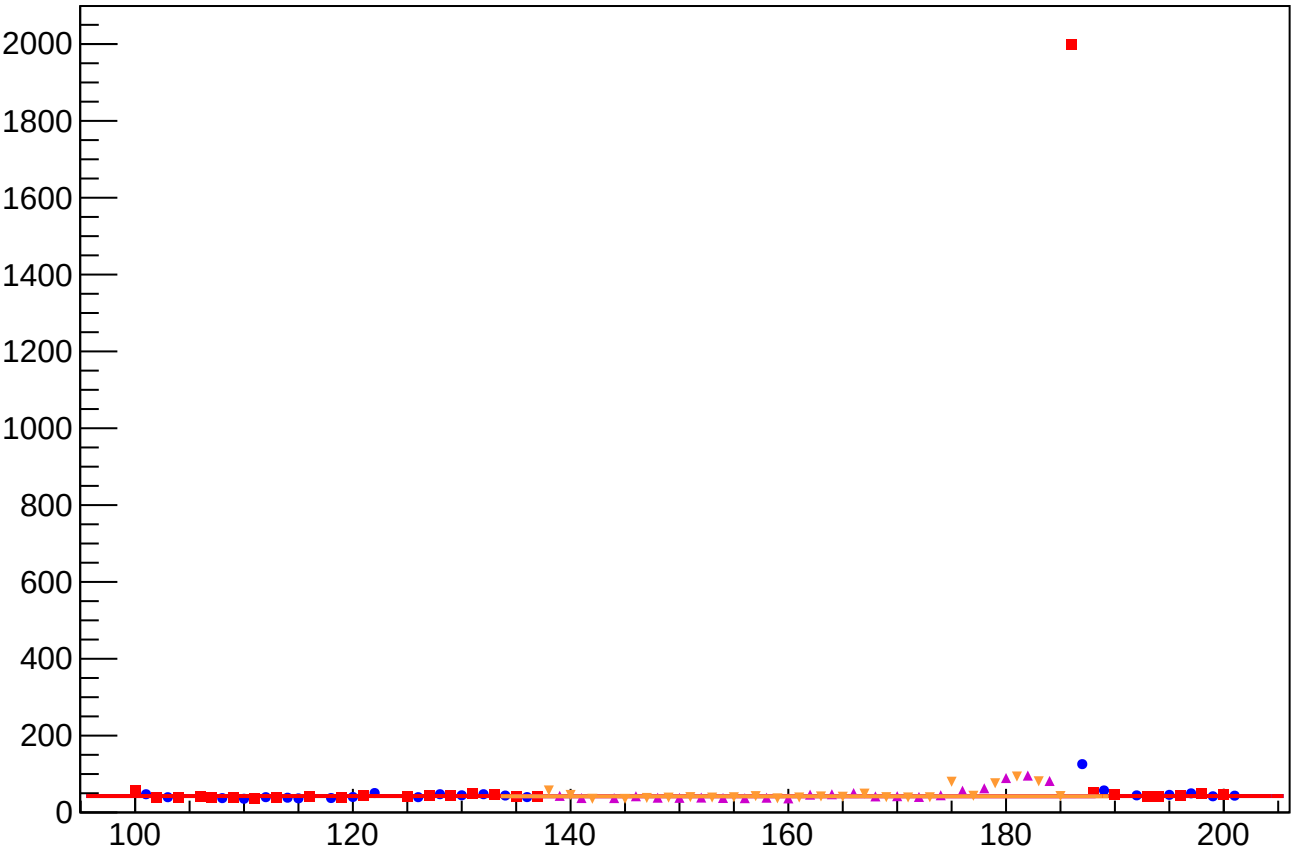
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.008+/-0.009 χ^2/NDF: 33.1/48

In: -0.001+/-0.008 χ^2/NDF:52.4/45

Out: 0.004+/-0.008 χ^2/NDF:33.2/49

All: 0.002+/-0.006 χ^2/NDF: 85.8/95



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: 42.697+/-0.009 χ^2/NDF: 1002703.9/25

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

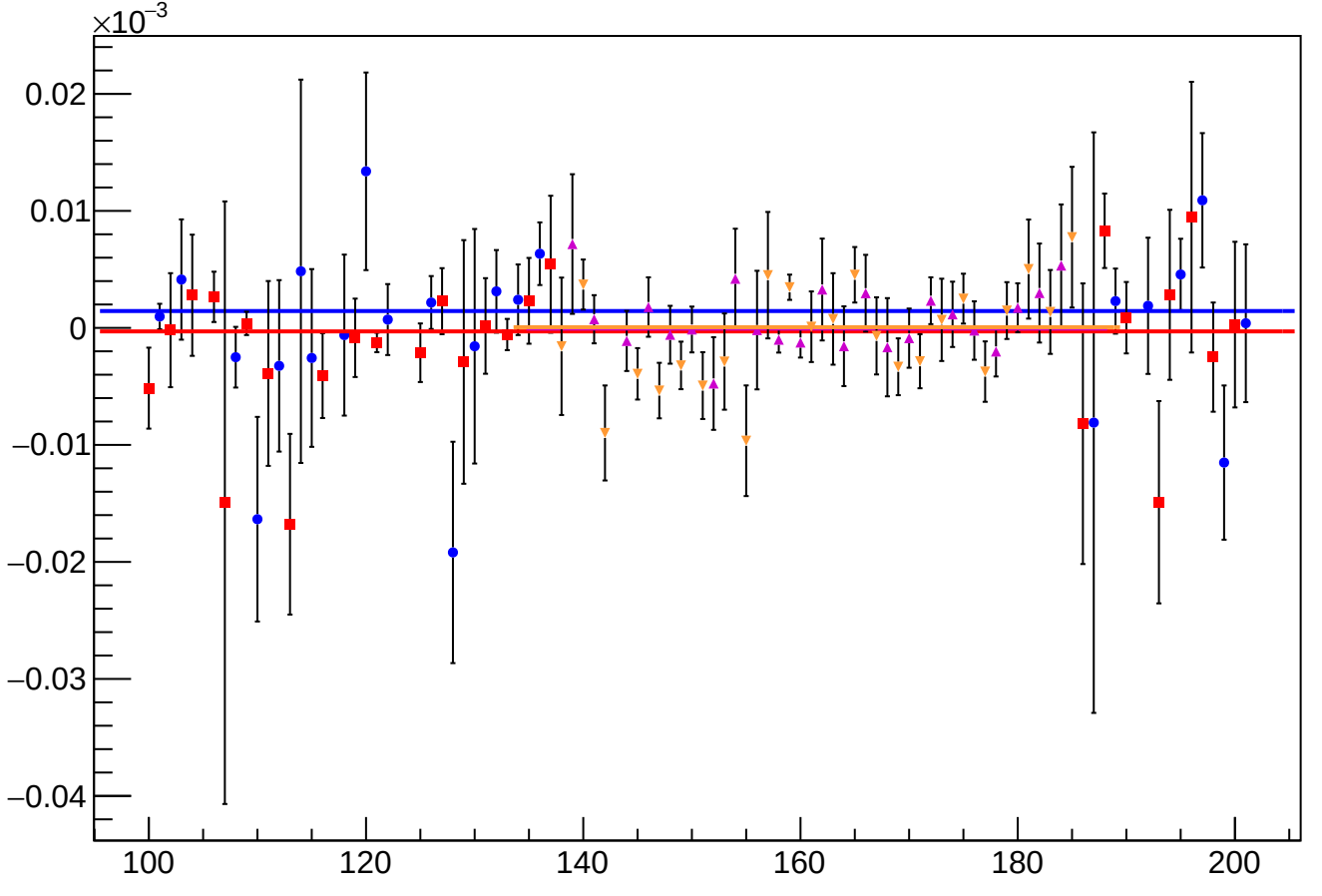
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.733+/-0.006 χ^2/NDF: 1279874.9/48

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

Out: 42.344+/-0.006 χ^2/NDF:2721630.0/49

All: 42.351+/-0.004 χ^2/NDF: 4545869.9/95



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: 27.0/25

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

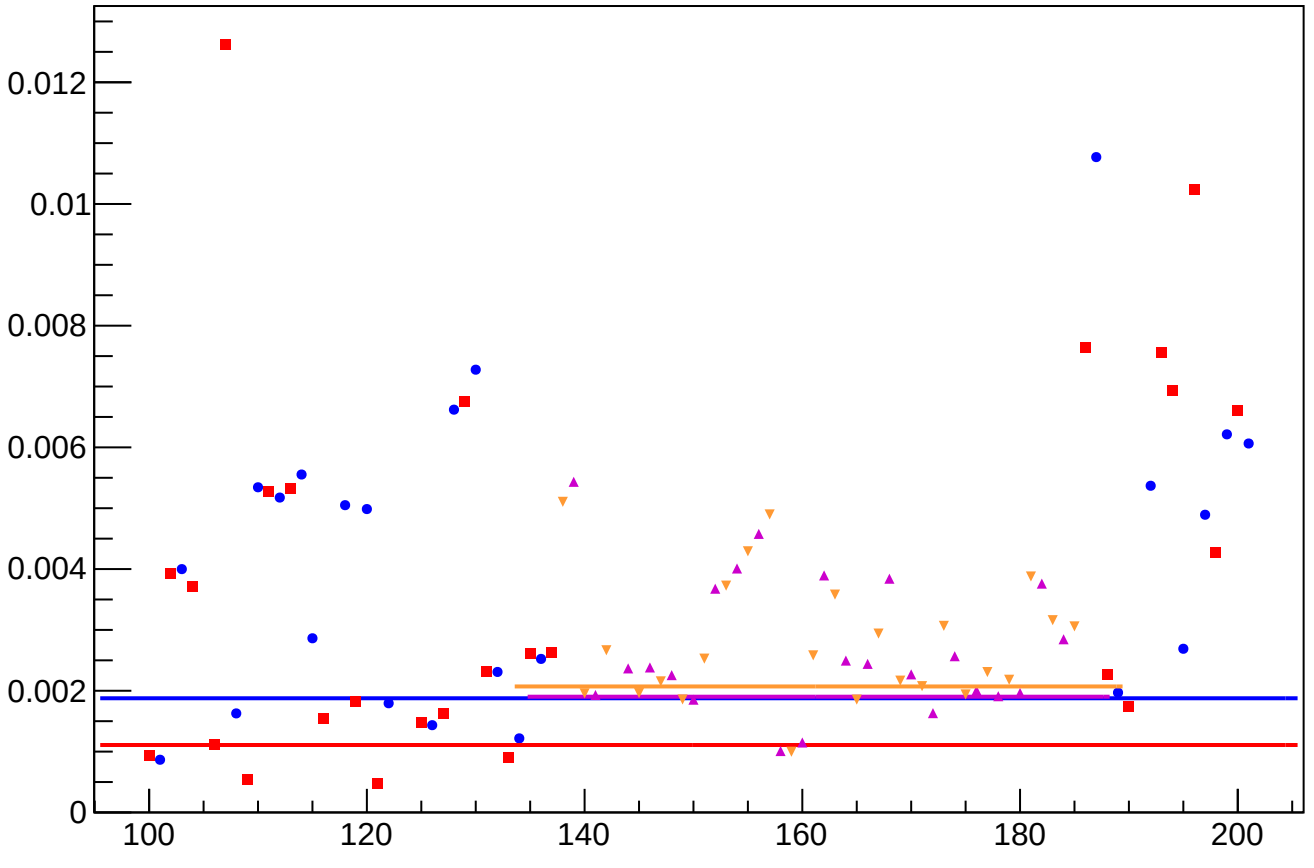
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 57.6/48

In: 0.000+/-0.000 χ^2/NDF:42.4/45

Out: -0.000+/-0.000 χ^2/NDF:78.9/49

All: 0.000+/-0.000 χ^2/NDF: 122.6/95



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: 12776988.1/25

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

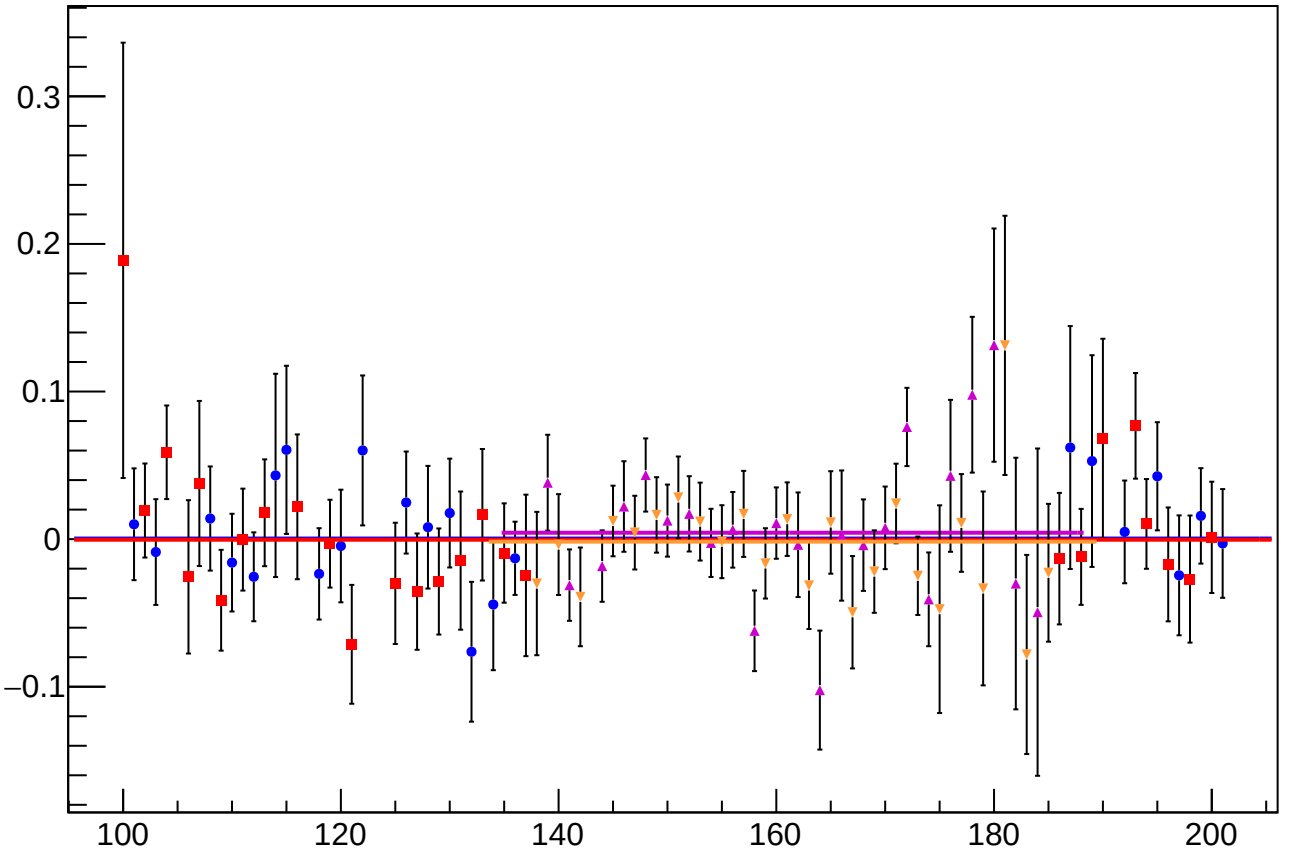
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 22813899.8/48

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

Out: 0.002+/-0.000 χ^2/NDF:21714919.8/49

All: 0.002+/-0.000 χ^2/NDF: 36852242.5/95



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: -0.000+/-0.008 χ^2/NDF: 20.3/25

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

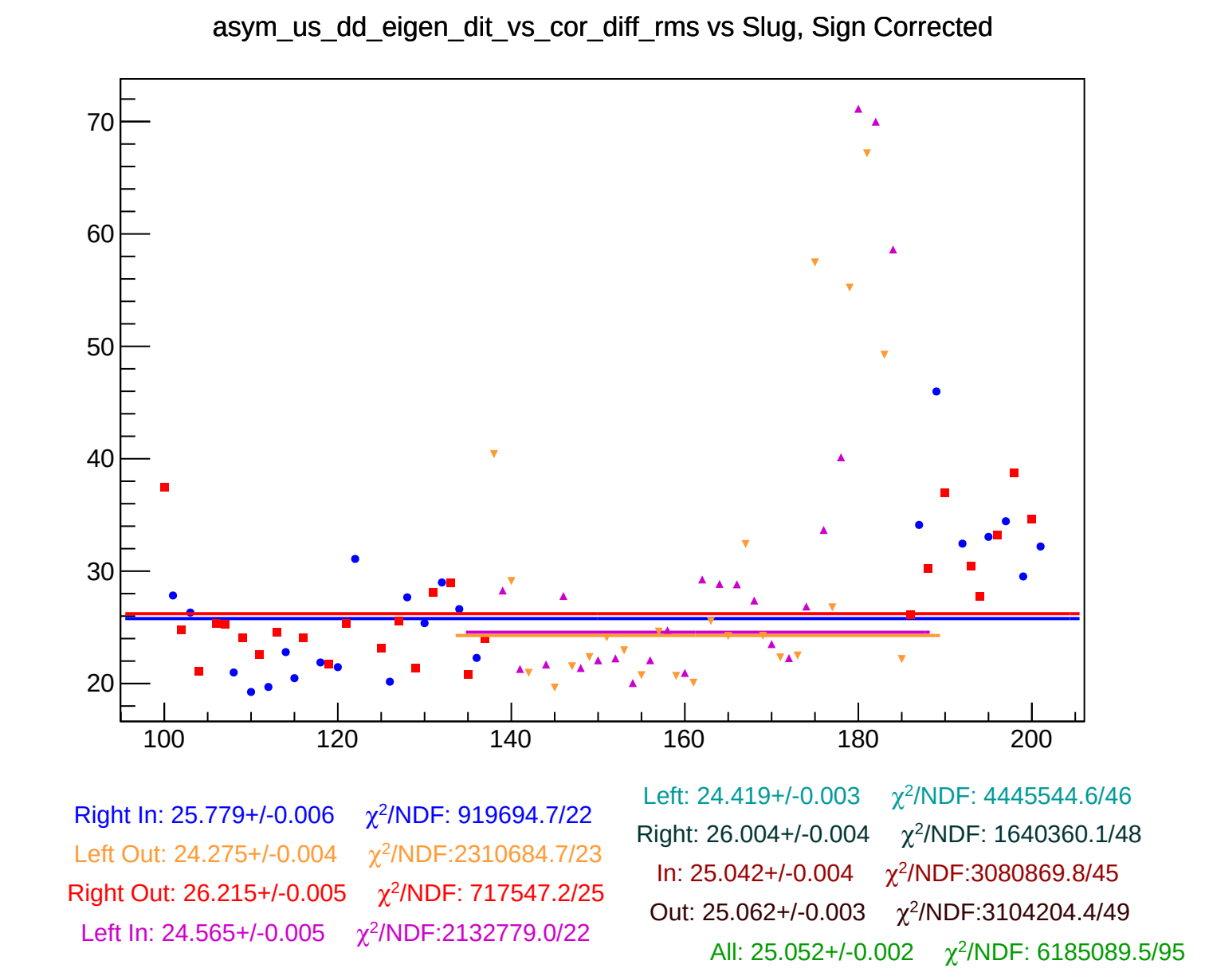
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

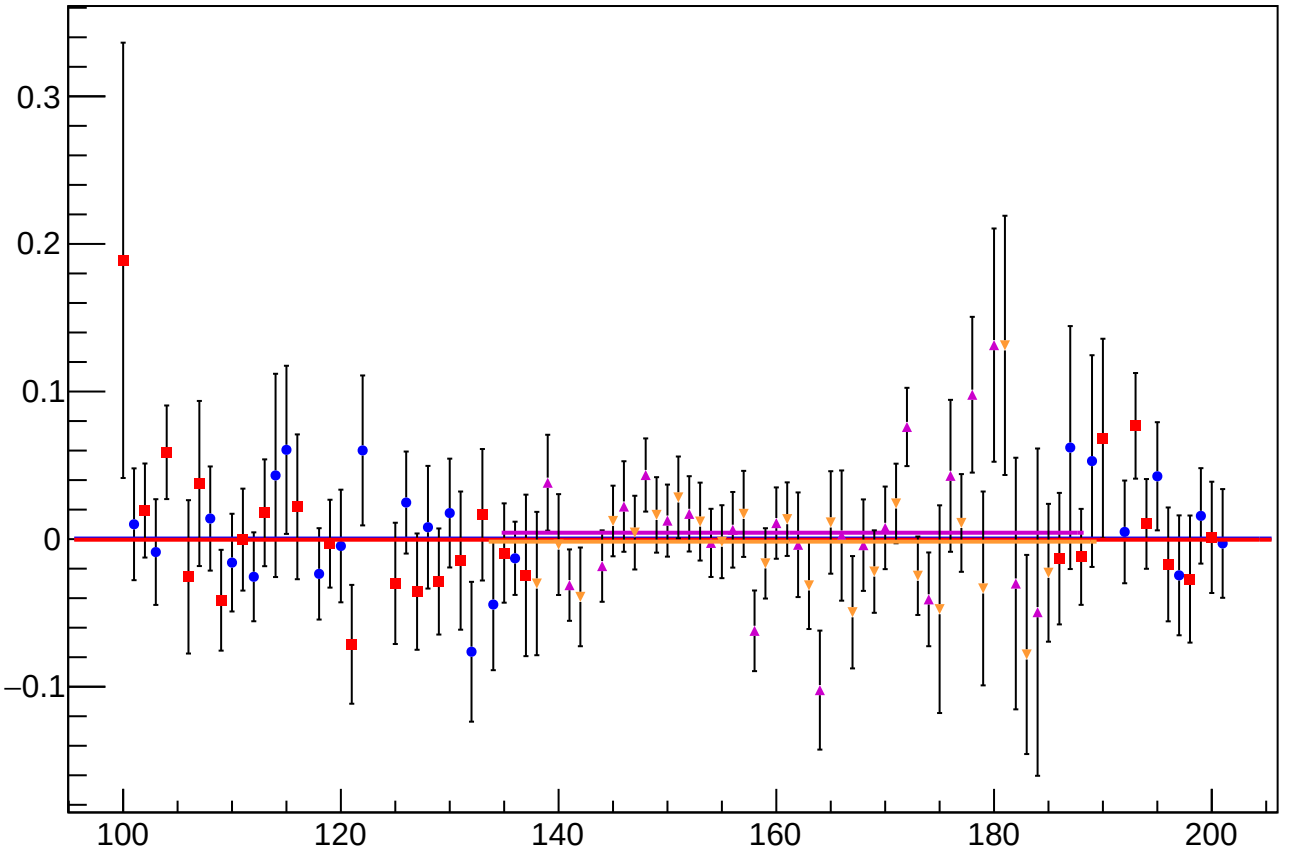
Right: -0.000+/-0.006 χ^2/NDF: 32.7/48

In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.003 χ^2/NDF: 84.4/95


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.779+/-0.006 χ2/NDF: 919694.7/22
Left Out: 24.275+/-0.004 χ2/NDF:2310684.7/23
Right Out: 26.215+/-0.005 χ2/NDF: 717547.2/25
Left In: 24.565+/-0.005 χ2/NDF:2132779.0/22
Left: 24.419+/-0.003 χ2/NDF: 4445544.6/46
Right: 26.004+/-0.004 χ2/NDF: 1640360.1/48
In: 25.042+/-0.004 χ2/NDF:3080869.8/45
Out: 25.062+/-0.003 χ2/NDF:3104204.4/49
All: 25.052+/-0.002 χ2/NDF: 6185089.5/95



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: -0.000+/-0.008 χ^2/NDF: 20.3/25

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

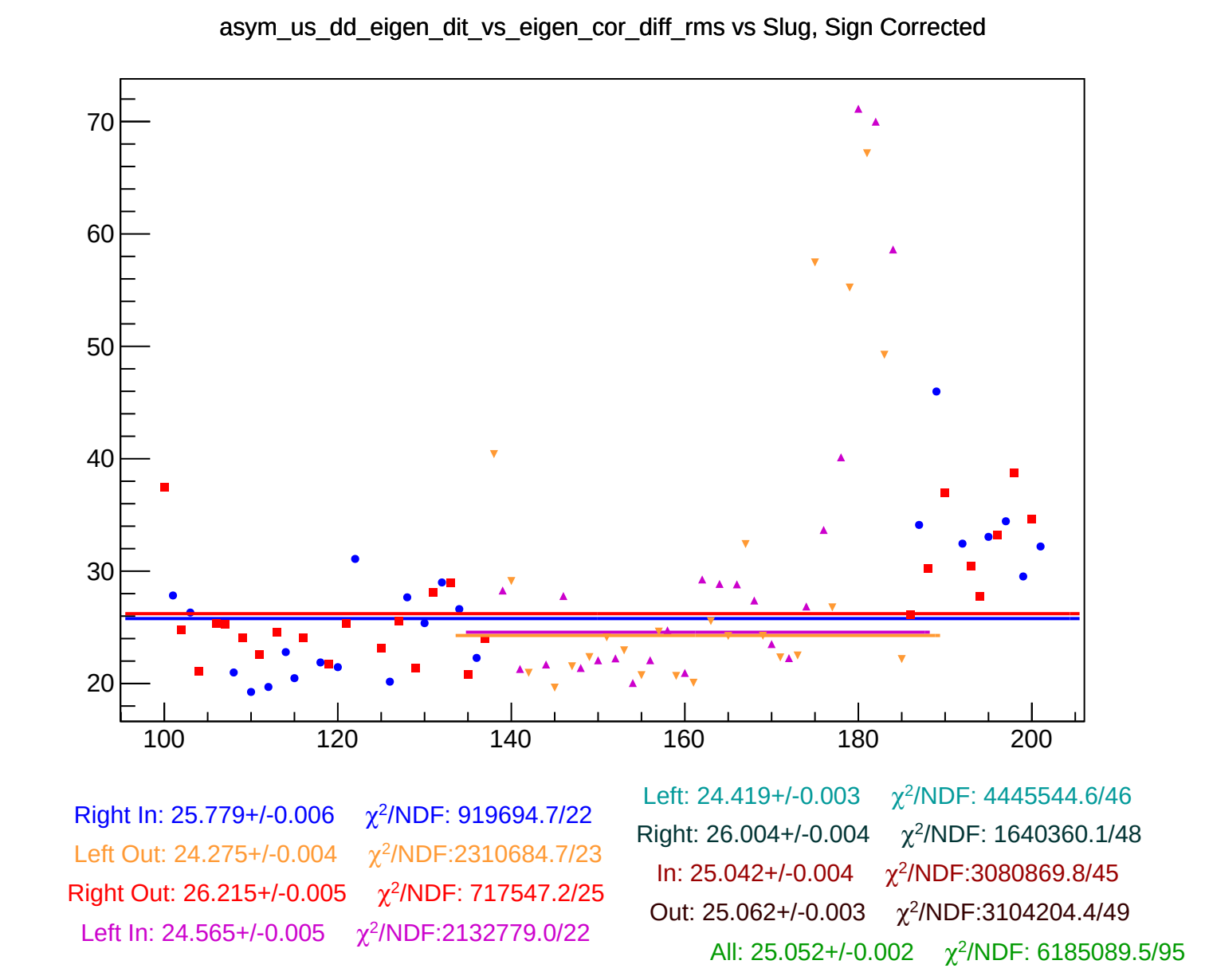
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.006 χ^2/NDF: 32.7/48

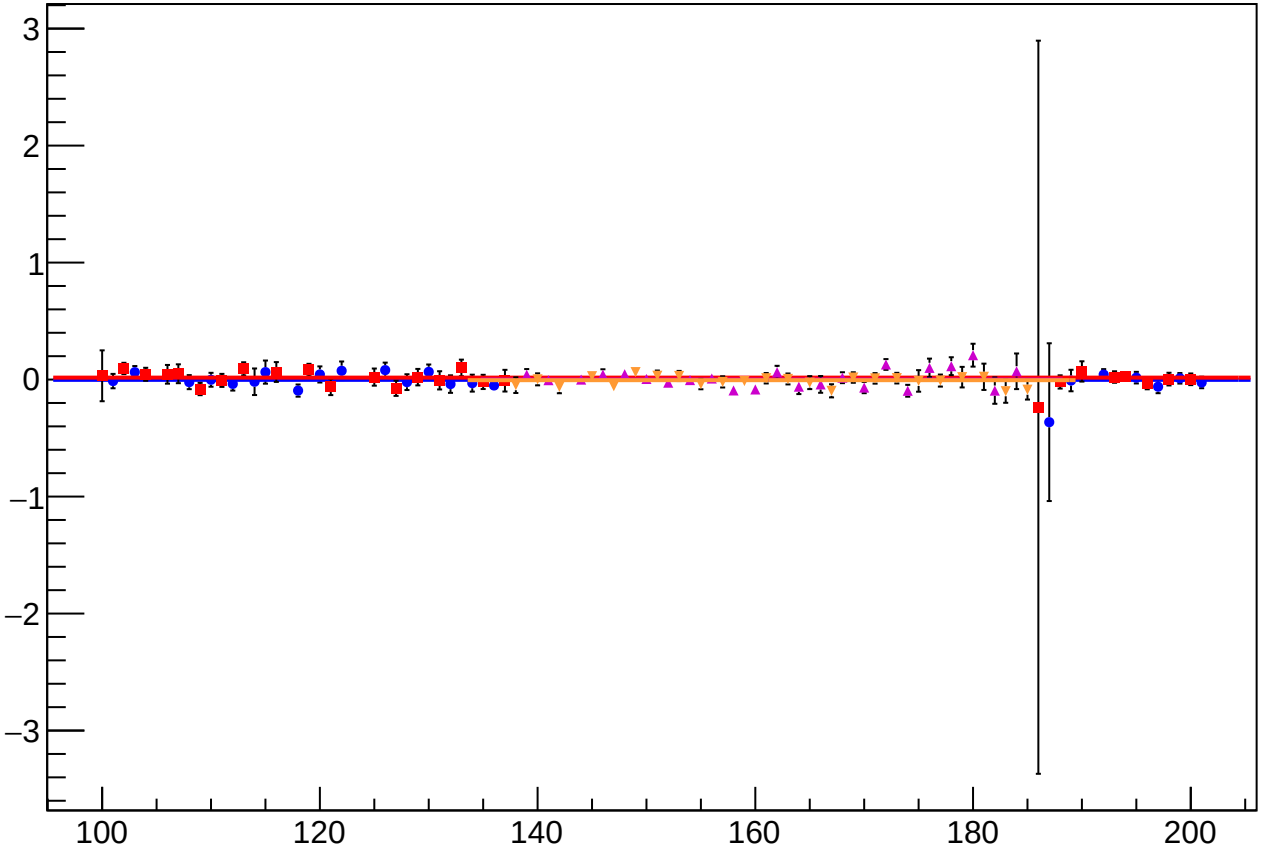
In: 0.003+/-0.005 χ^2/NDF:49.2/45

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.003 χ^2/NDF: 84.4/95


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.779+/-0.006 χ²/NDF: 919694.7/22
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 26.215+/-0.005 χ²/NDF: 717547.2/25
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 26.004+/-0.004 χ²/NDF: 1640360.1/48
In: 25.042+/-0.004 χ²/NDF:3080869.8/45
Out: 25.062+/-0.003 χ²/NDF:3104204.4/49
All: 25.052+/-0.002 χ²/NDF: 6185089.5/95

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: 0.017+/-0.012 χ^2/NDF: 17.5/25

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

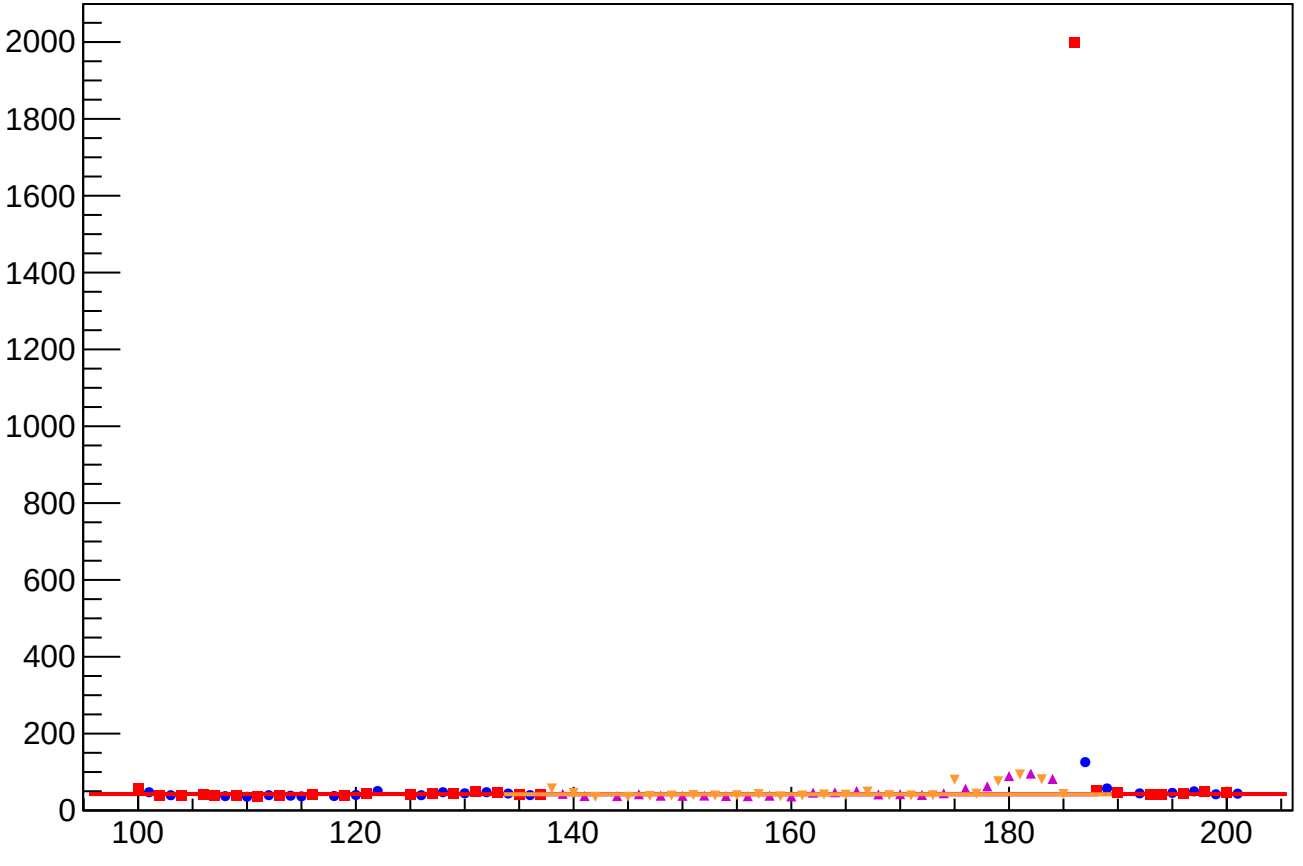
Right: 0.008+/-0.009 χ^2/NDF: 33.1/48

In: -0.001+/-0.008 χ^2/NDF:52.4/45

Out: 0.004+/-0.008 χ^2/NDF:33.2/49

All: 0.002+/-0.006 χ^2/NDF: 85.8/95

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: 42.697+/-0.009 χ^2/NDF: 1002702.3/25

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

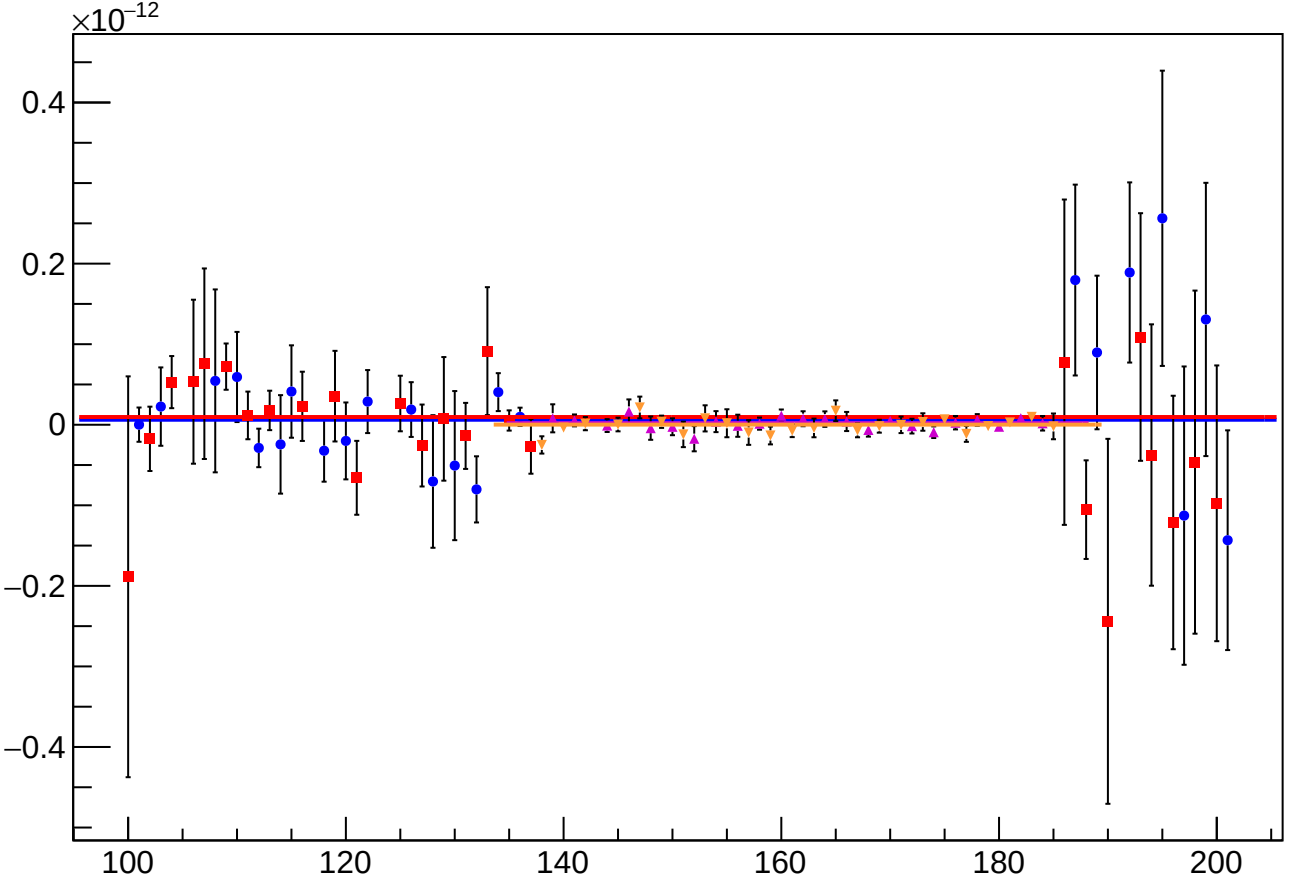
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.733+/-0.006 χ^2/NDF: 1279837.7/48

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

Out: 42.344+/-0.006 χ^2/NDF:2721618.2/49

All: 42.351+/-0.004 χ^2/NDF: 4545794.6/95



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: 21.2/25

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

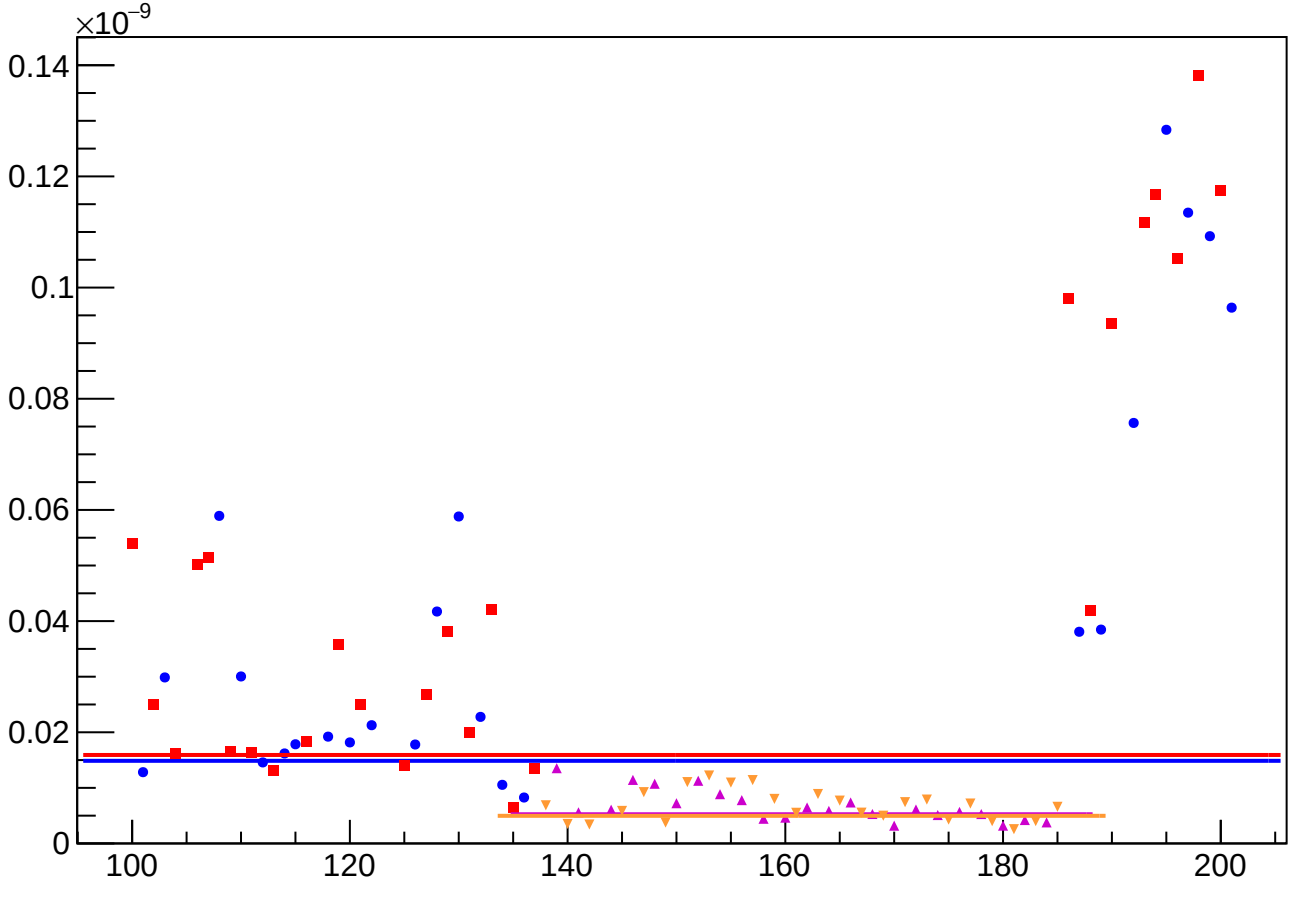
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 44.6/48

In: 0.000+/-0.000 χ^2/NDF:35.4/45

Out: 0.000+/-0.000 χ^2/NDF:43.8/49

All: 0.000+/-0.000 χ^2/NDF: 79.6/95



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: 7052766.5/25

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

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

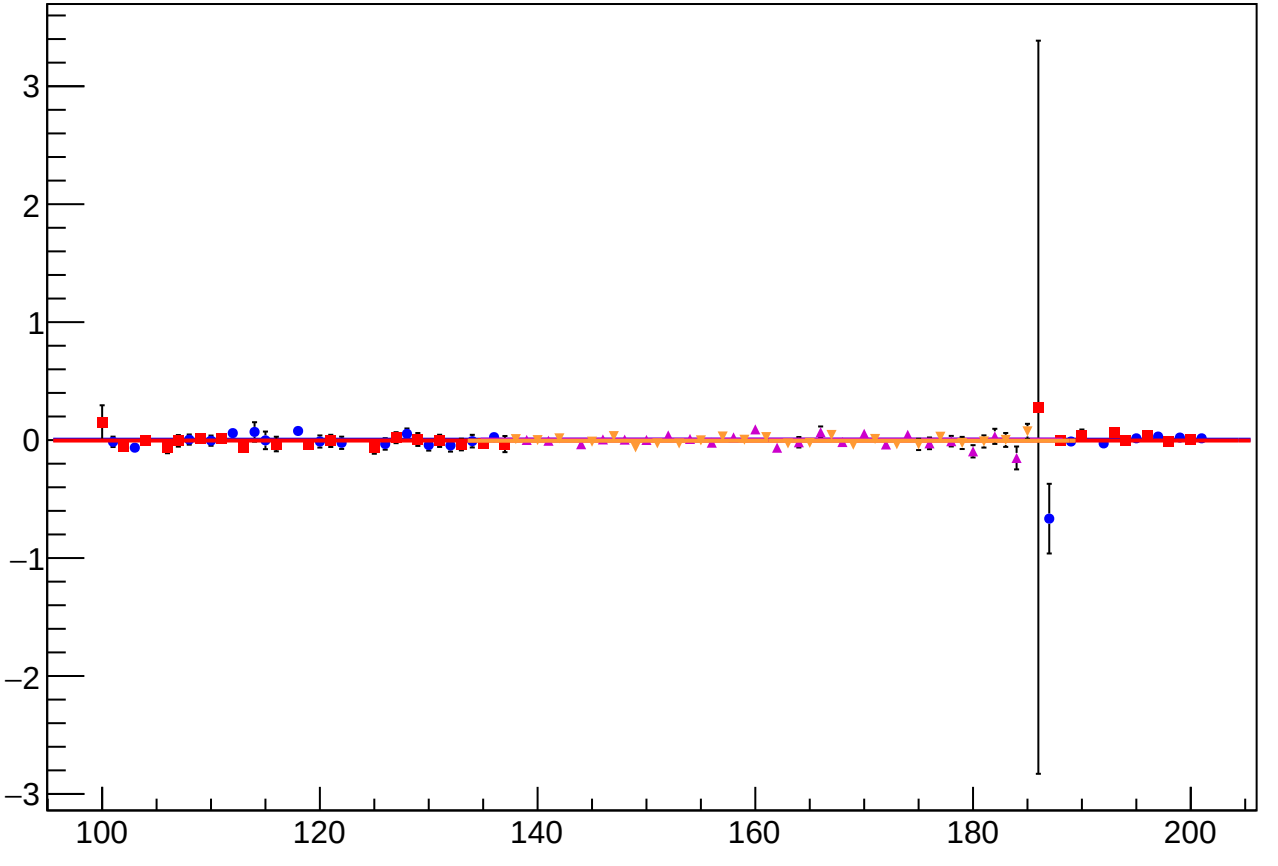
Right: 0.000+/-0.000 χ^2/NDF: 12777828.1/48

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

Out: 0.000+/-0.000 χ^2/NDF:14471855.6/49

All: 0.000+/-0.000 χ^2/NDF: 26115345.5/95

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: -0.004+/-0.008 χ^2/NDF: 21.2/25

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

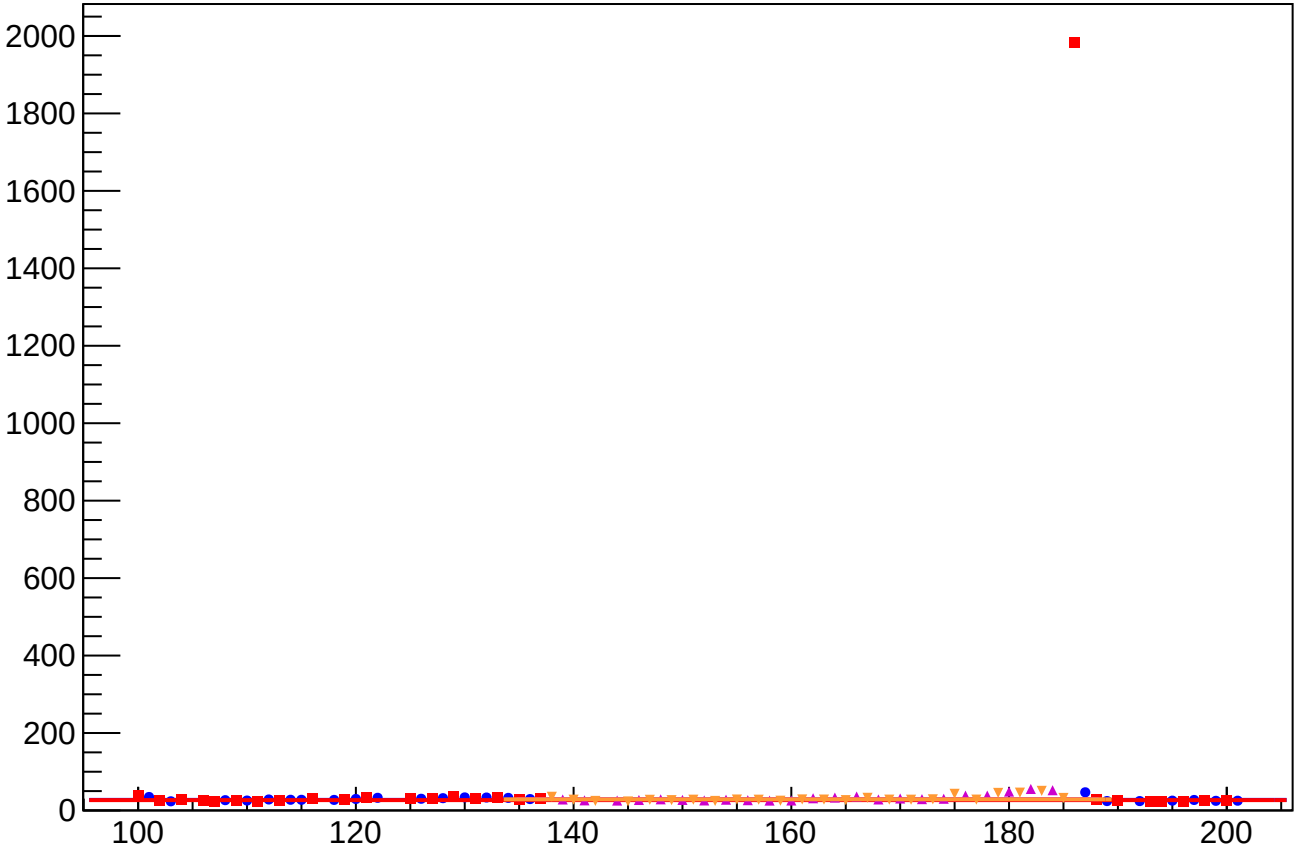
Right: -0.000+/-0.006 χ^2/NDF: 45.2/48

In: 0.004+/-0.005 χ^2/NDF:54.9/45

Out: -0.005+/-0.005 χ^2/NDF:37.9/49

All: -0.001+/-0.004 χ^2/NDF: 94.1/95

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: 26.714+/-0.006 χ^2/NDF: 1080752.7/25

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

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

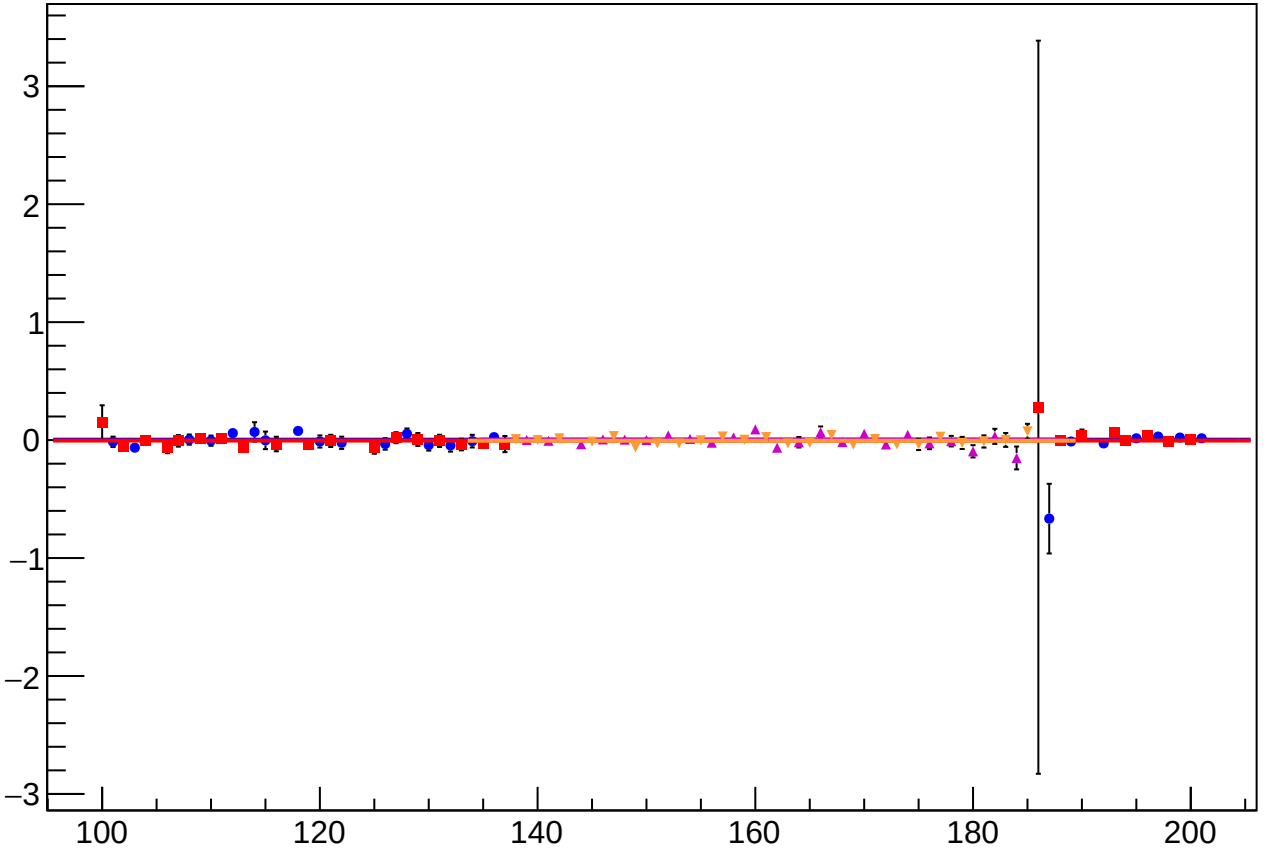
Right: 26.987+/-0.004 χ^2/NDF: 1402754.5/48

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

Out: 27.852+/-0.004 χ^2/NDF:2328438.2/49

All: 28.115+/-0.003 χ^2/NDF: 3861916.9/95

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: -0.004+/-0.008 χ^2/NDF: 21.2/25

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

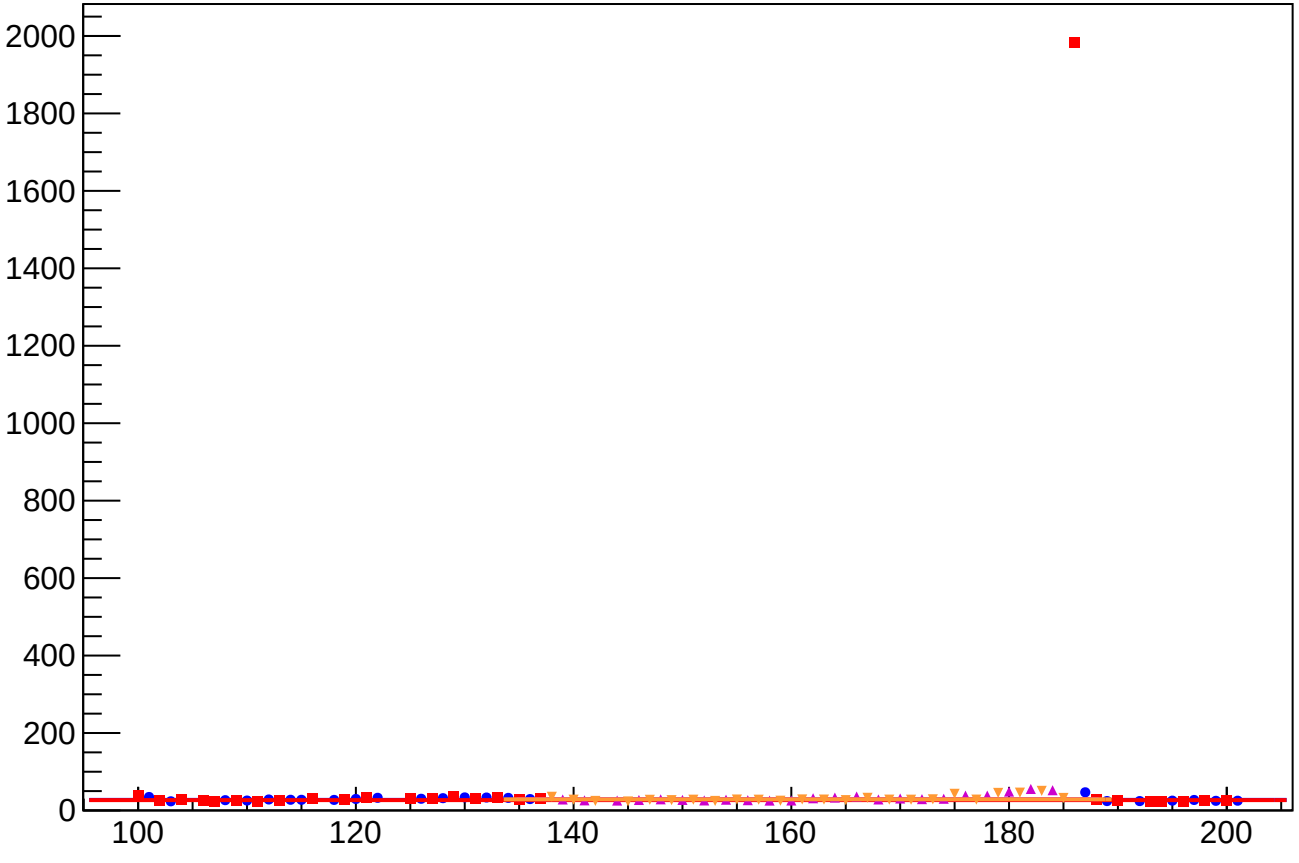
Right: -0.000+/-0.006 χ^2/NDF: 45.2/48

In: 0.004+/-0.005 χ^2/NDF:54.9/45

Out: -0.005+/-0.005 χ^2/NDF:37.9/49

All: -0.001+/-0.004 χ^2/NDF: 94.1/95

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: 26.714+/-0.006 χ^2/NDF: 1080752.7/25

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

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

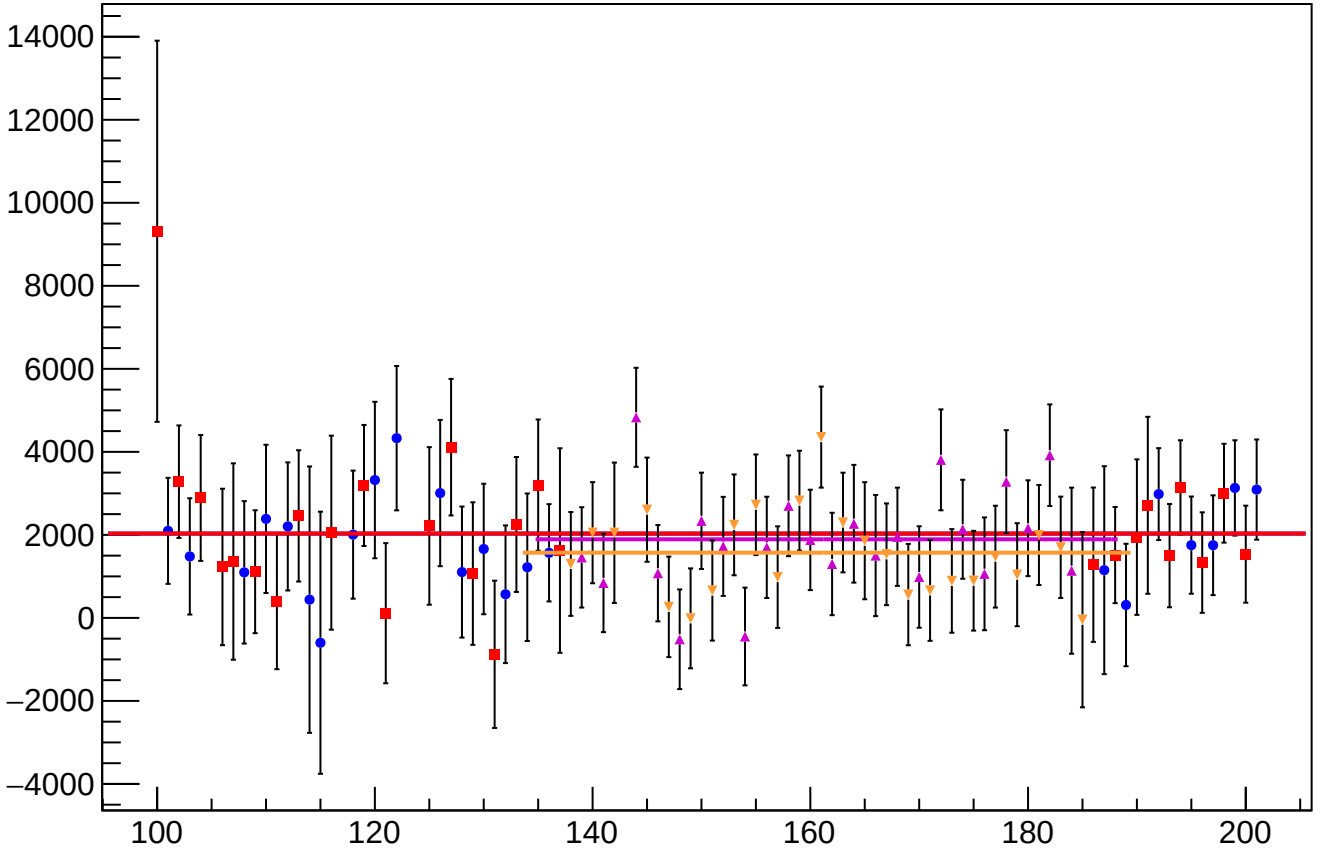
Right: 26.987+/-0.004 χ^2/NDF: 1402754.5/48

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

Out: 27.852+/-0.004 χ^2/NDF:2328438.2/49

All: 28.115+/-0.003 χ^2/NDF: 3861916.9/95

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: 2031.807+/-300.798 χ^2/NDF: 15.3/26

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

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

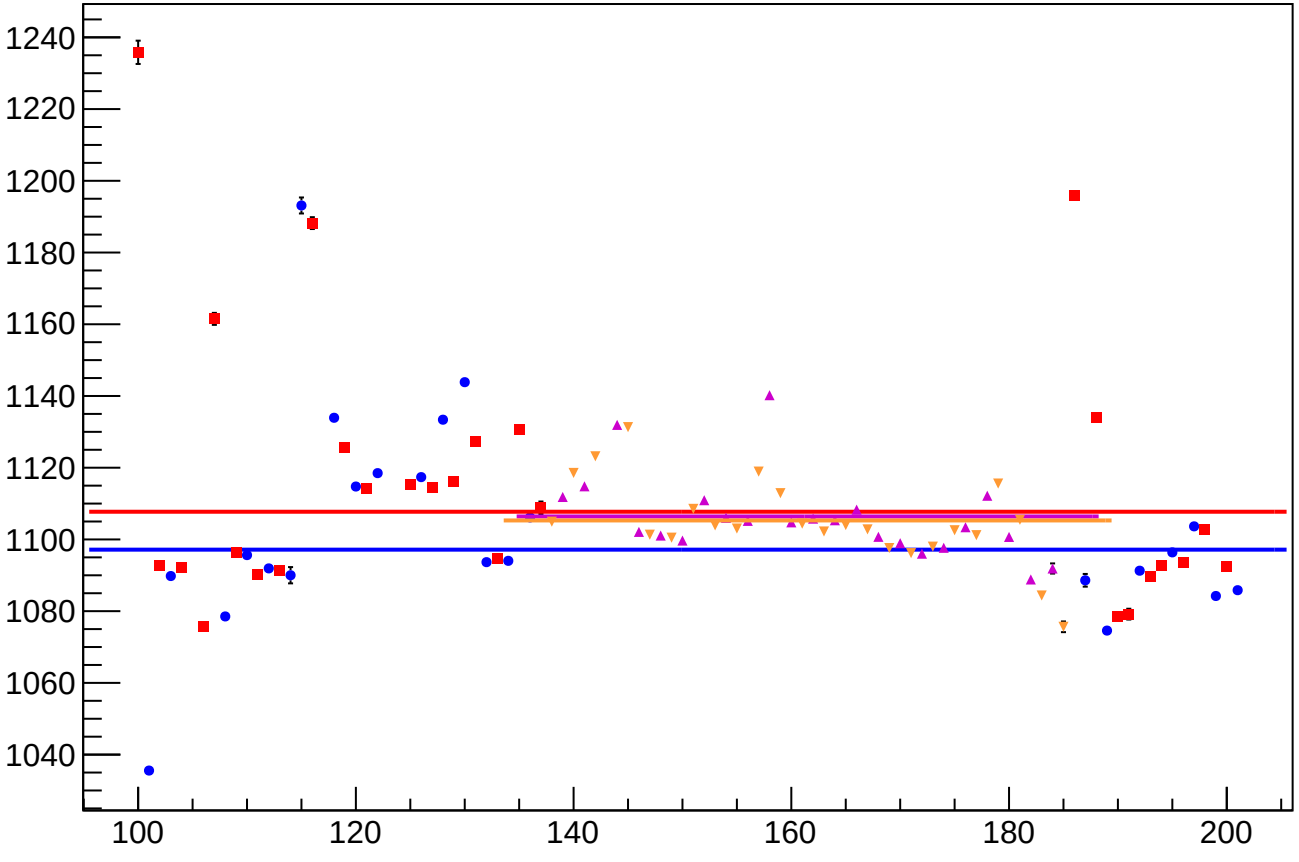
Right: 2031.399+/-216.589 χ^2/NDF: 24.9/49

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

Out: 1765.069+/-195.190 χ^2/NDF:32.1/50

All: 1855.394+/-139.352 χ^2/NDF: 66.2/96

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

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

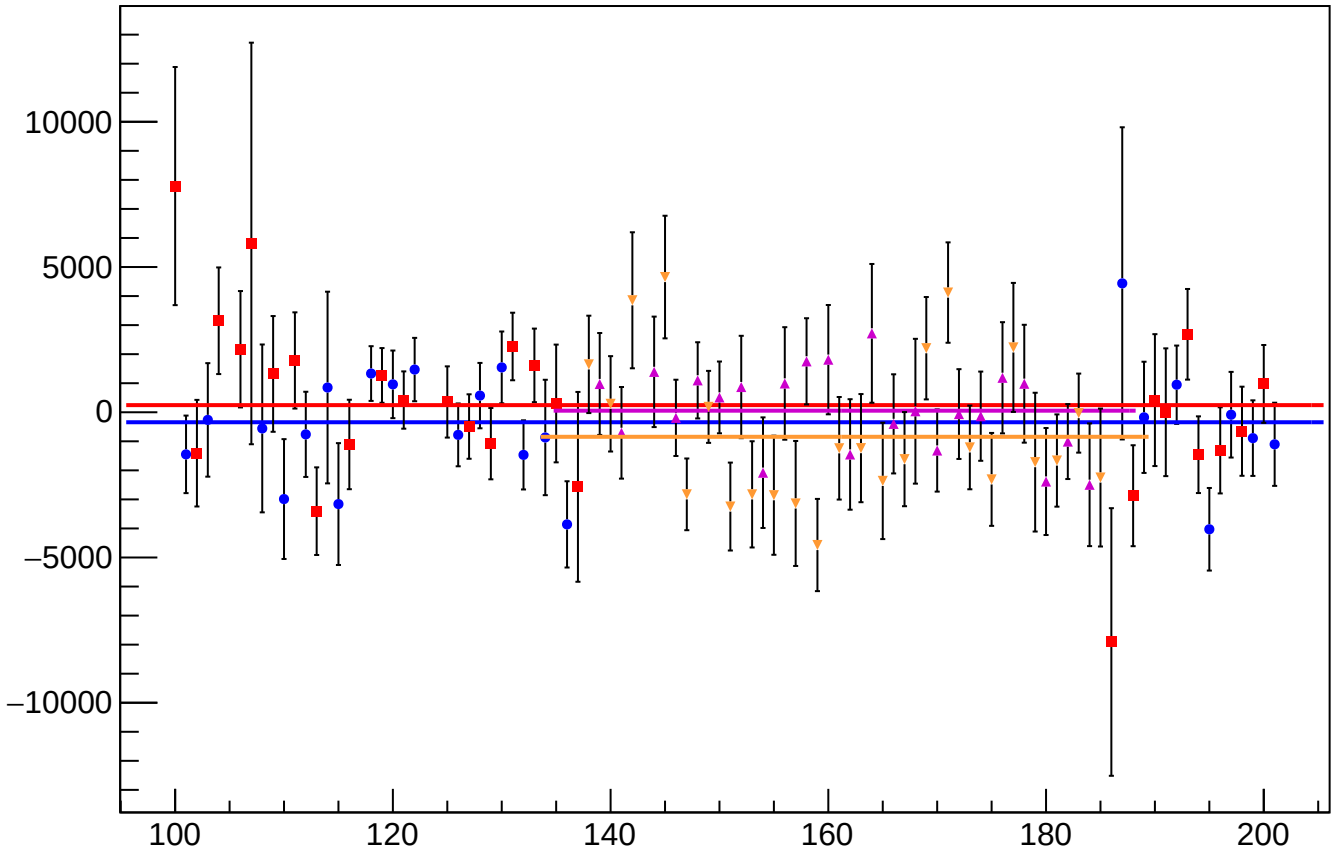
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1102.633+/-0.153 χ^2/NDF: 29483.7/49

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

Out: 1106.317+/-0.138 χ^2/NDF:18842.0/50

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96



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: 245.596+/-293.622 χ^2/NDF: 36.0/26

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

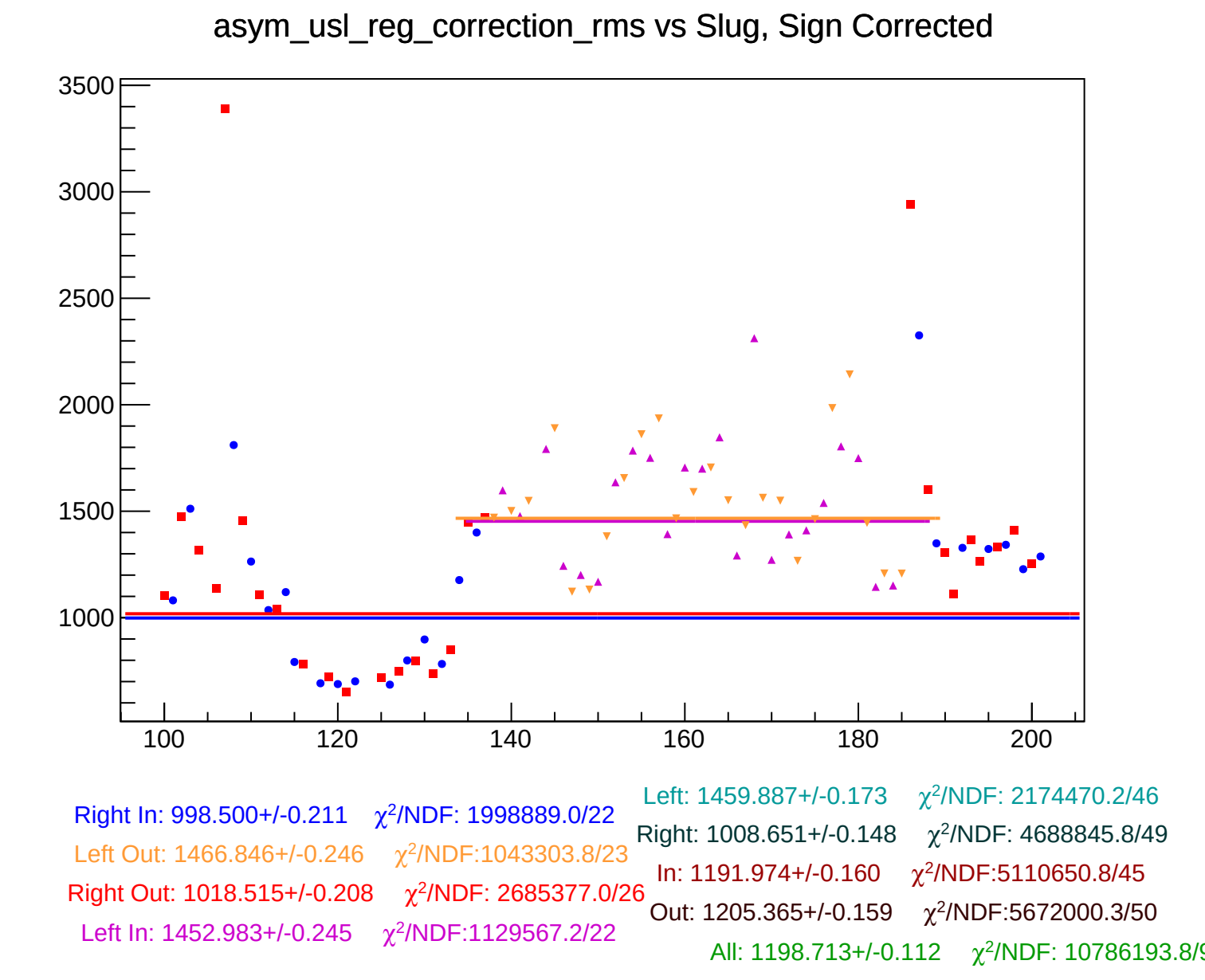
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -44.894+/-209.104 χ^2/NDF: 68.2/49

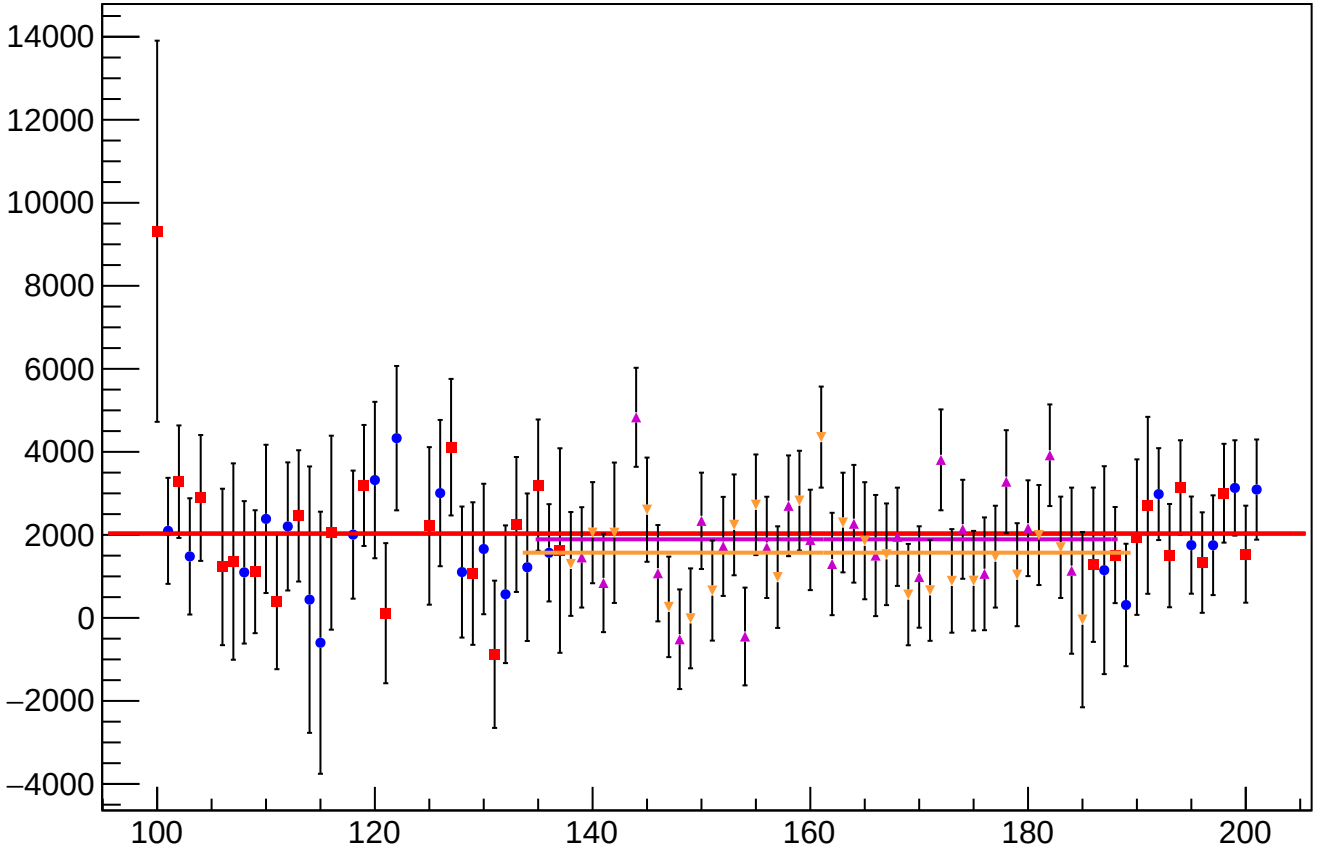
In: -174.325+/-225.726 χ^2/NDF:44.0/45

Out: -208.783+/-224.238 χ^2/NDF:85.9/50

All: -191.668+/-159.084 χ^2/NDF: 129.9/96


asym_usl_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 998.500+/-0.211 χ²/NDF: 1998889.0/22
Left Out: 1466.846+/-0.246 χ²/NDF:1043303.8/23
Right Out: 1018.515+/-0.208 χ²/NDF: 2685377.0/26
Left In: 1452.983+/-0.245 χ²/NDF:1129567.2/22
Left: 1459.887+/-0.173 χ²/NDF: 2174470.2/46
Right: 1008.651+/-0.148 χ²/NDF: 4688845.8/49
In: 1191.974+/-0.160 χ²/NDF:5110650.8/45
Out: 1205.365+/-0.159 χ²/NDF:5672000.3/50
All: 1198.713+/-0.112 χ²/NDF: 10786193.8/9

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: 2031.797+/-300.798 χ^2/NDF: 15.3/26

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

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

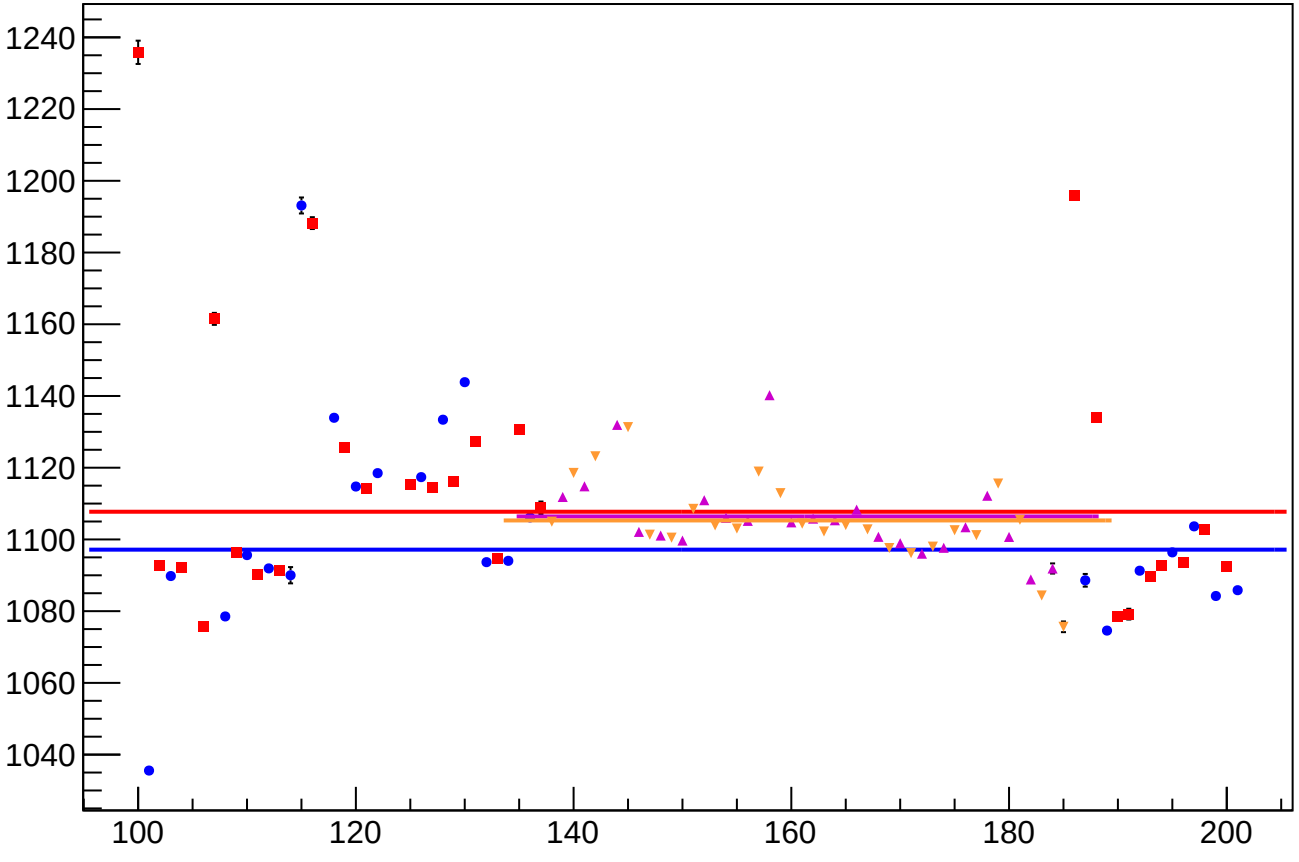
Right: 2031.393+/-216.589 χ^2/NDF: 24.9/49

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

Out: 1765.065+/-195.190 χ^2/NDF:32.1/50

All: 1855.392+/-139.352 χ^2/NDF: 66.2/96

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

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

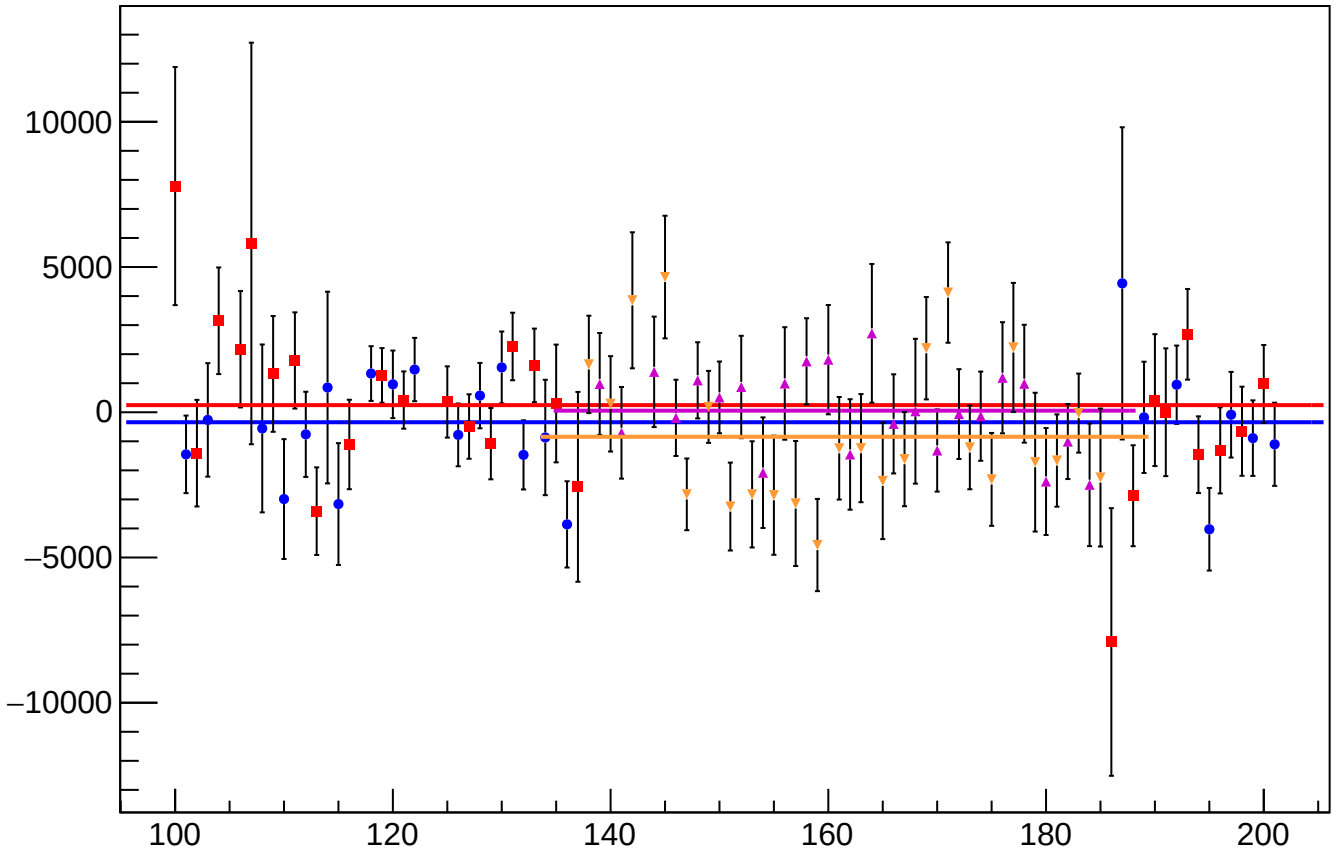
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1102.633+/-0.153 χ^2/NDF: 29483.7/49

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

Out: 1106.317+/-0.138 χ^2/NDF:18842.0/50

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96



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: 245.596+/-293.622 χ^2/NDF: 36.0/26

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

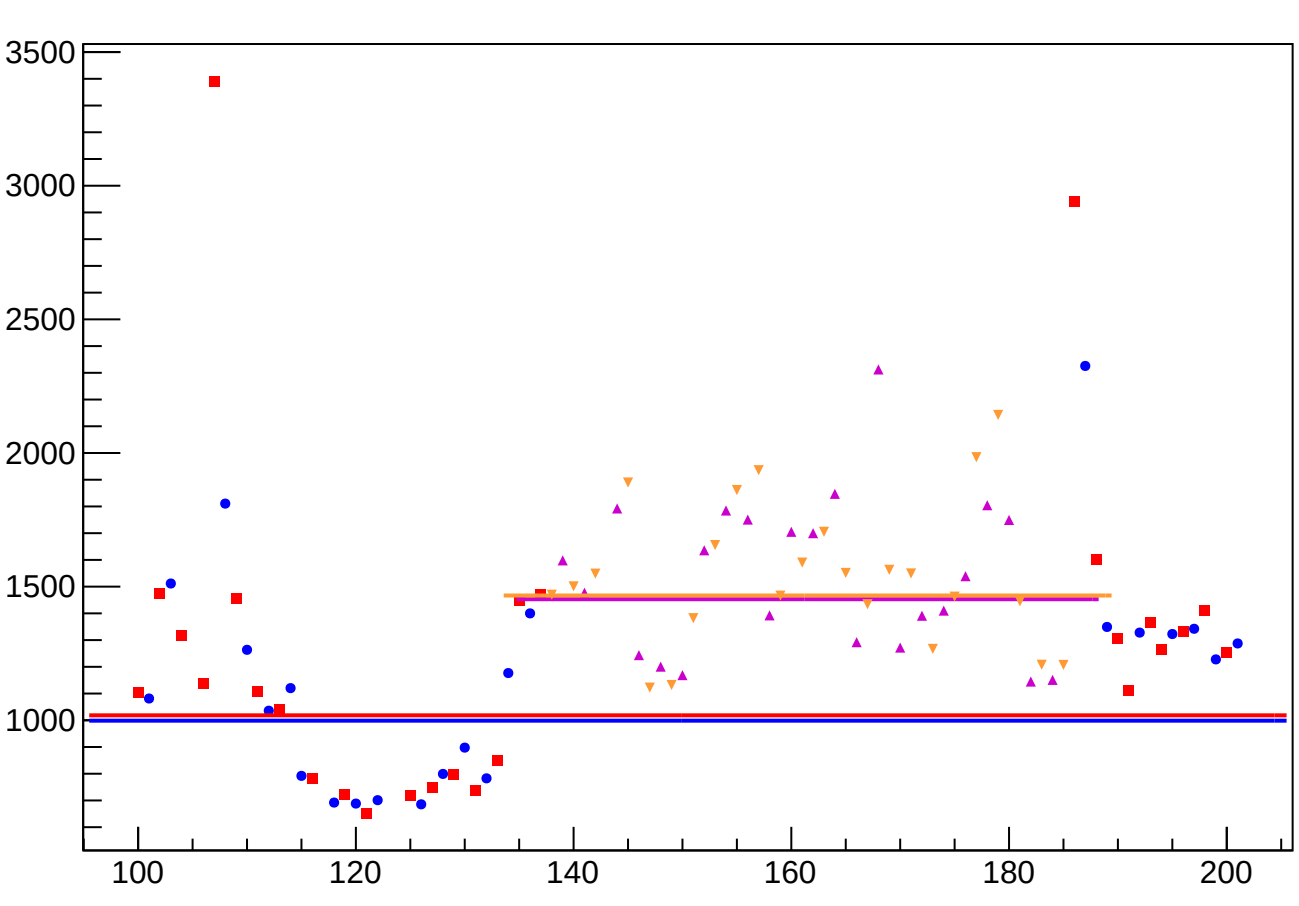
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -44.894+/-209.104 χ^2/NDF: 68.2/49

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

Out: -208.783+/-224.238 χ^2/NDF:85.9/50

All: -191.668+/-159.084 χ^2/NDF: 129.9/96



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: 1018.514+/-0.208 χ^2/NDF: 2685376.1/26

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

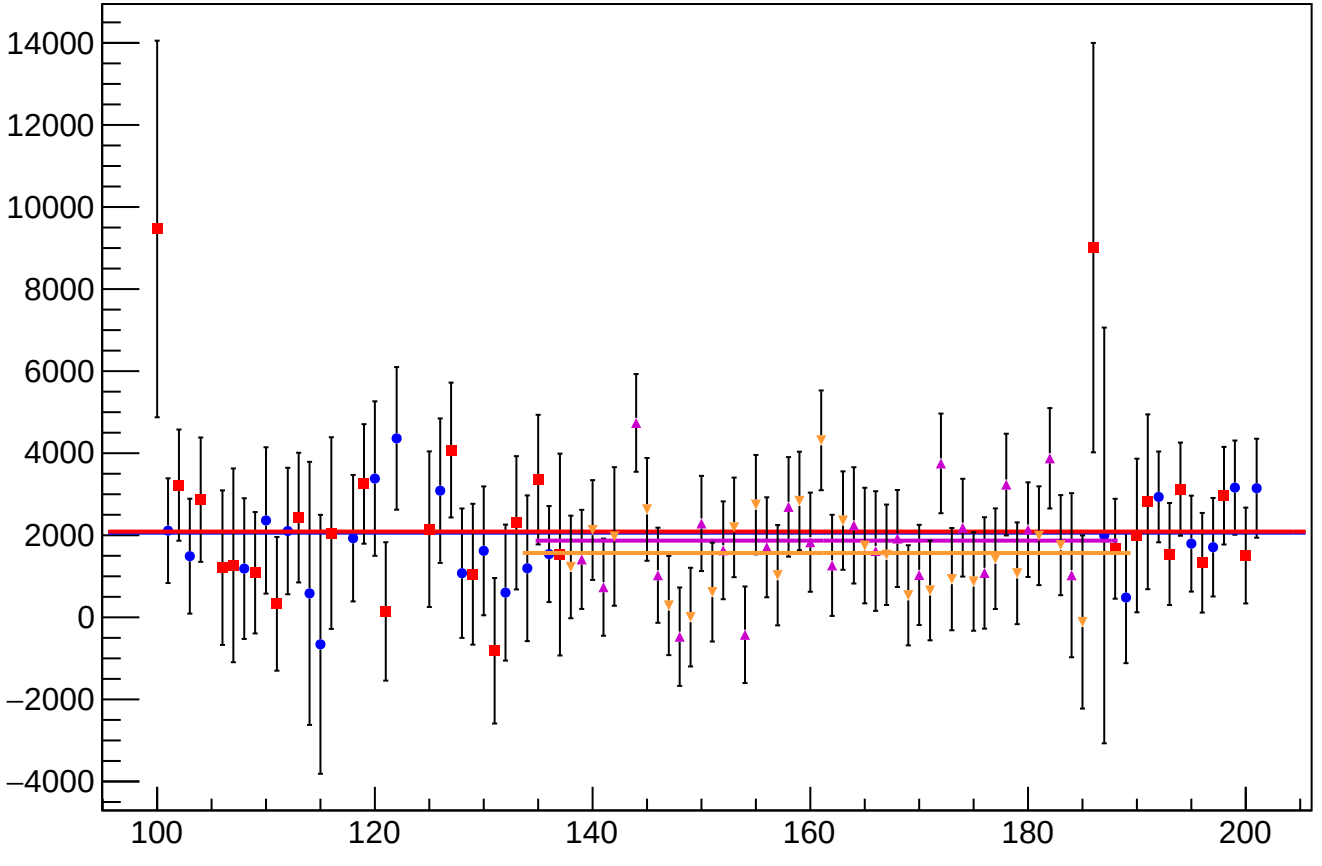
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 1008.650+/-0.148 χ^2/NDF: 4688844.8/49

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

Out: 1205.364+/-0.159 χ^2/NDF:5672001.4/50

All: 1198.713+/-0.112 χ^2/NDF: 10786194.7/9



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: 2090.528+/-305.098 χ^2/NDF: 17.1/26

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

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

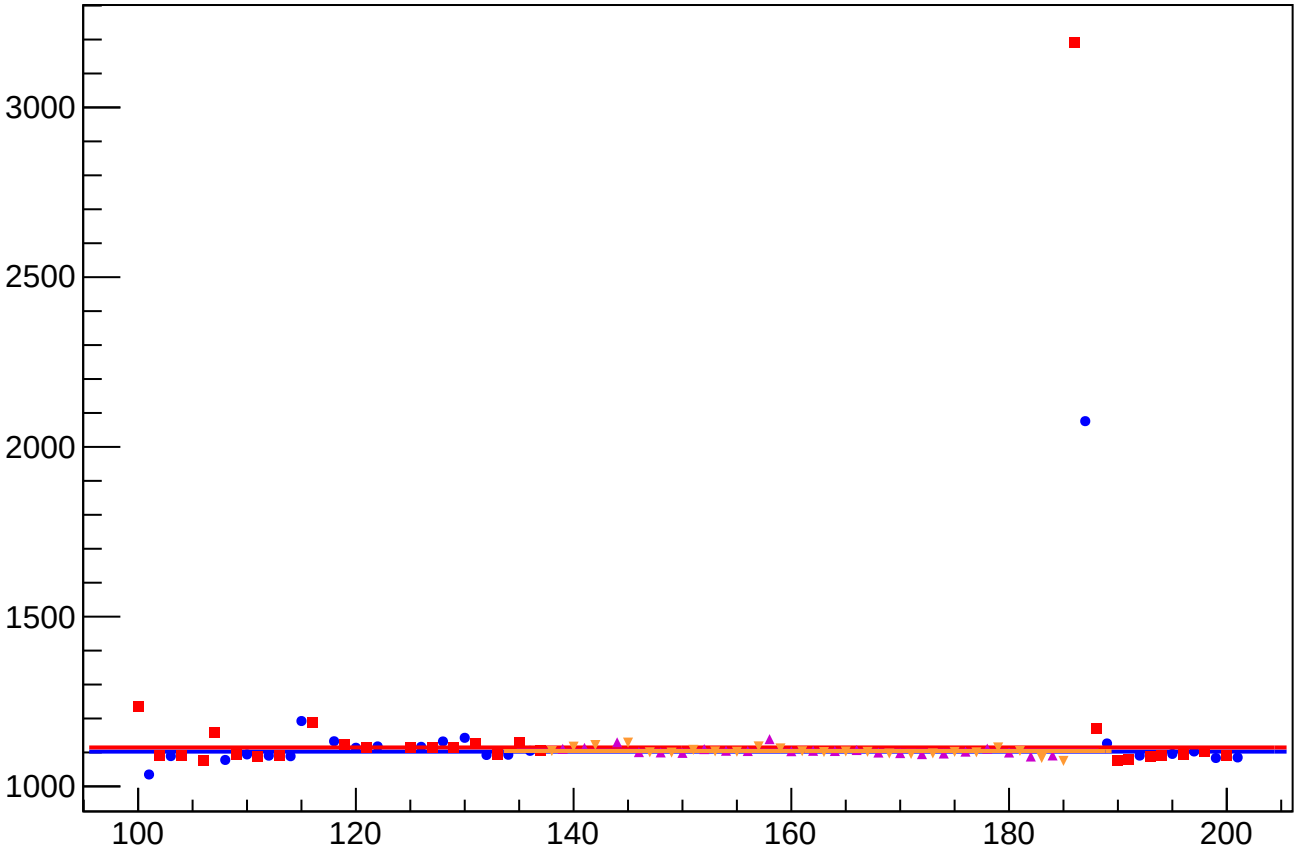
Right: 2077.734+/-219.089 χ^2/NDF: 26.3/49

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

Out: 1784.640+/-196.242 χ^2/NDF:34.2/50

All: 1864.758+/-139.934 χ^2/NDF: 67.4/96

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: 1114.692+/-0.216 χ^2/NDF: 363098.7/26

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

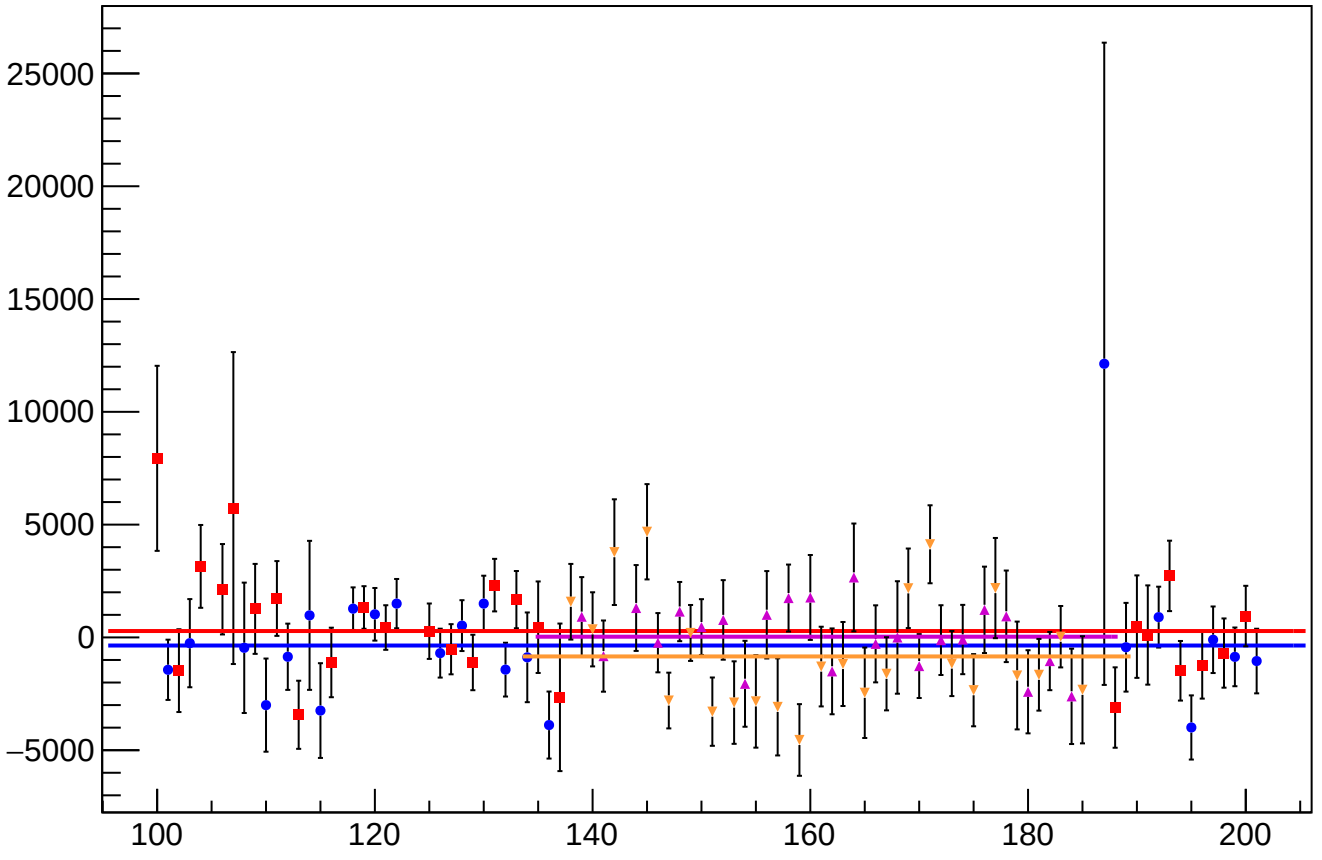
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1108.750+/-0.155 χ^2/NDF: 451532.4/49

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

Out: 1108.575+/-0.139 χ^2/NDF:367469.4/50

All: 1106.421+/-0.099 χ^2/NDF: 458593.7/96



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: 283.011+/-294.817 χ^2/NDF: 33.9/25

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

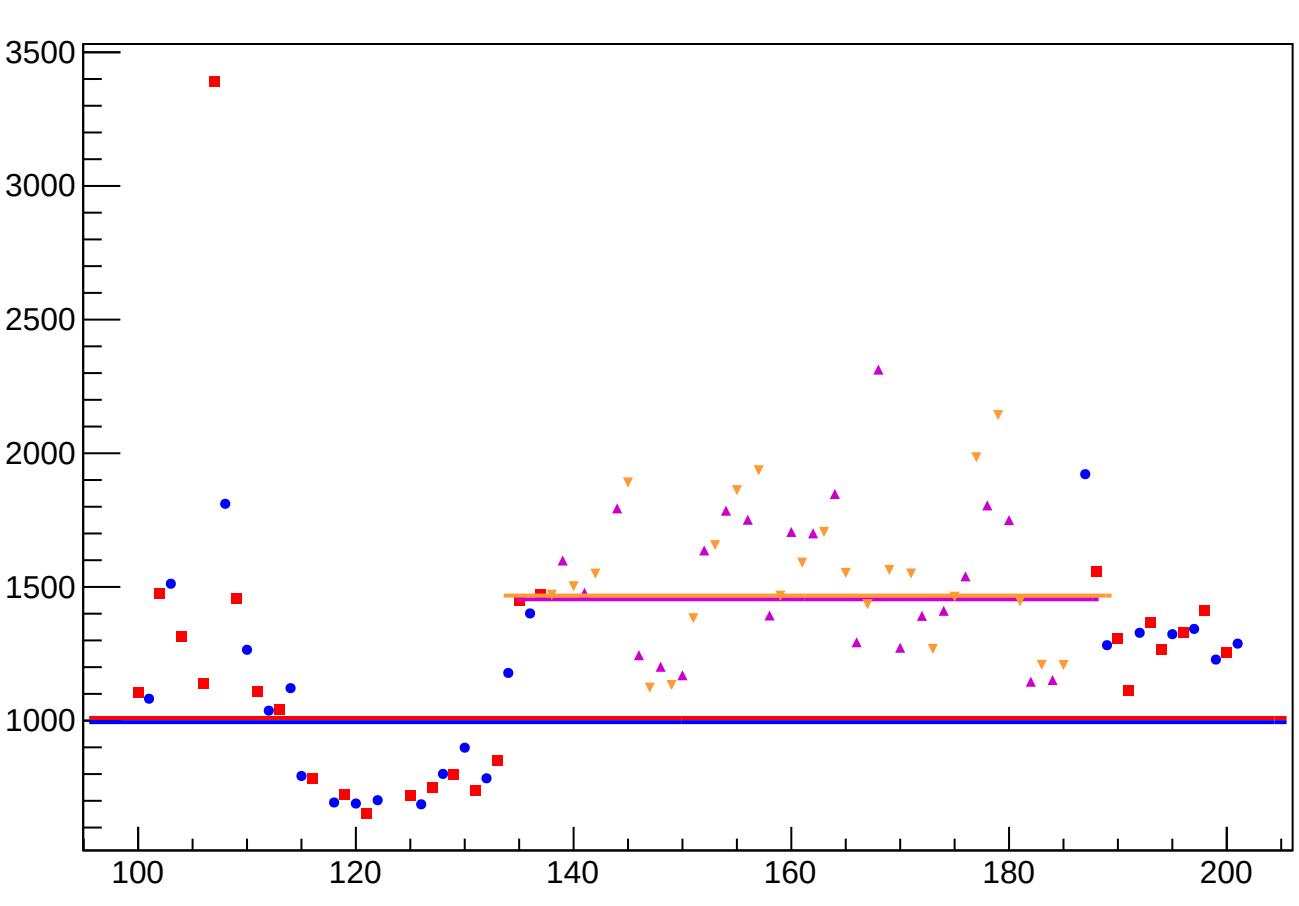
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -33.961+/-209.868 χ^2/NDF: 66.0/48

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

Out: -188.312+/-224.821 χ^2/NDF:84.0/49

All: -190.467+/-159.457 χ^2/NDF: 127.6/95



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: 1009.850+/-0.208 χ^2/NDF: 2282027.3/25

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

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

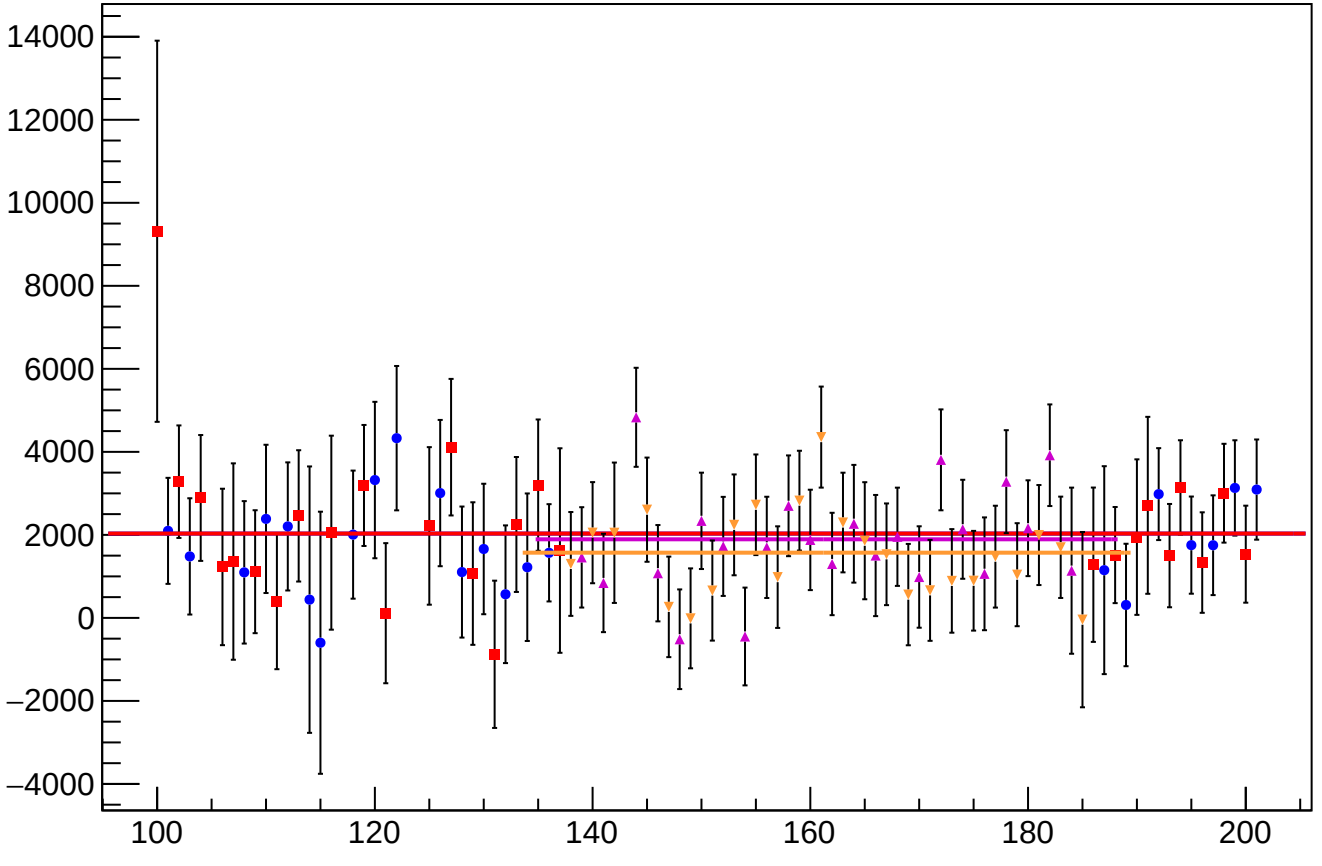
Right: 1002.168+/-0.148 χ^2/NDF: 4135234.6/48

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

Out: 1201.447+/-0.159 χ^2/NDF:5342435.2/49

All: 1196.011+/-0.113 χ^2/NDF: 10343092.9/9

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: 2031.797+/-300.798 χ^2/NDF: 15.3/26

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

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

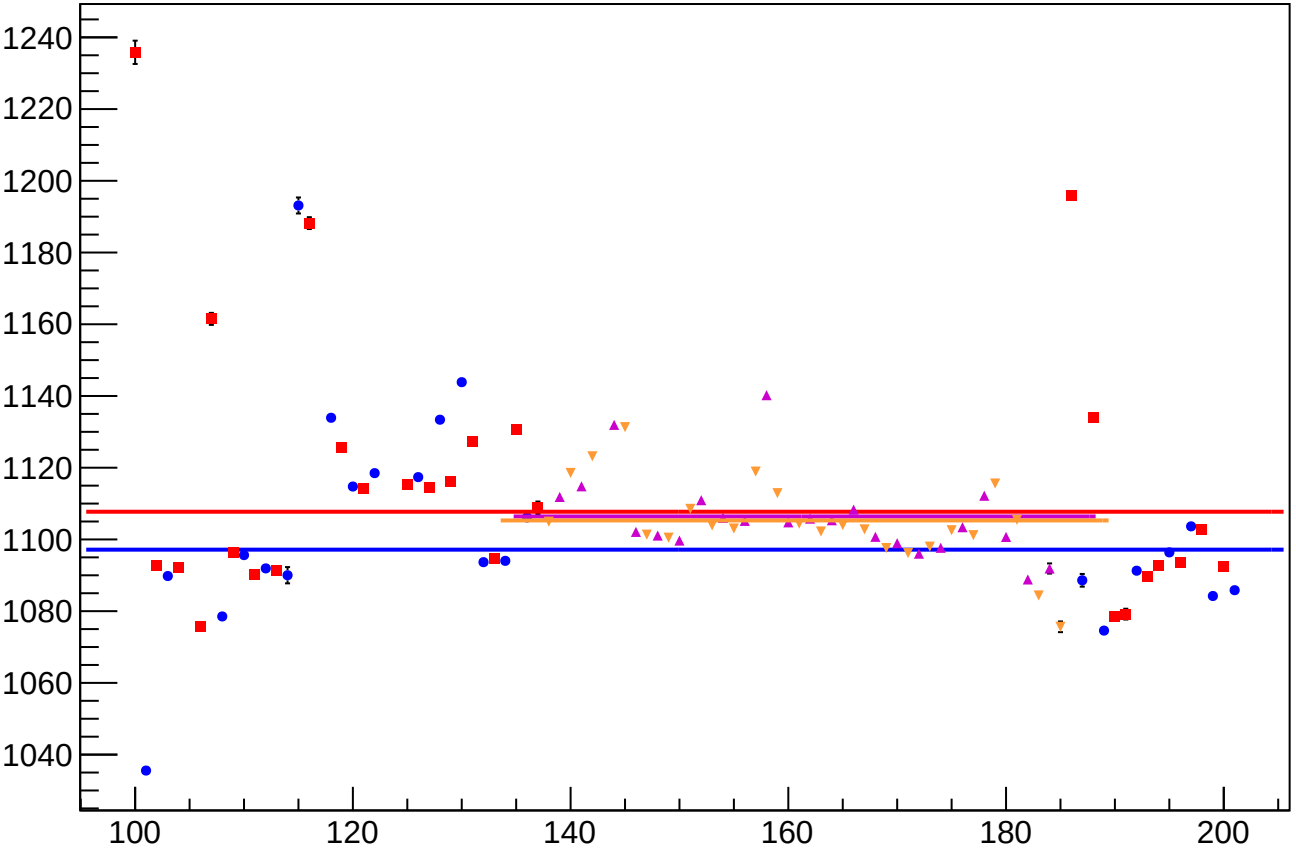
Right: 2031.393+/-216.589 χ^2/NDF: 24.9/49

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

Out: 1765.065+/-195.190 χ^2/NDF:32.1/50

All: 1855.392+/-139.352 χ^2/NDF: 66.2/96

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

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

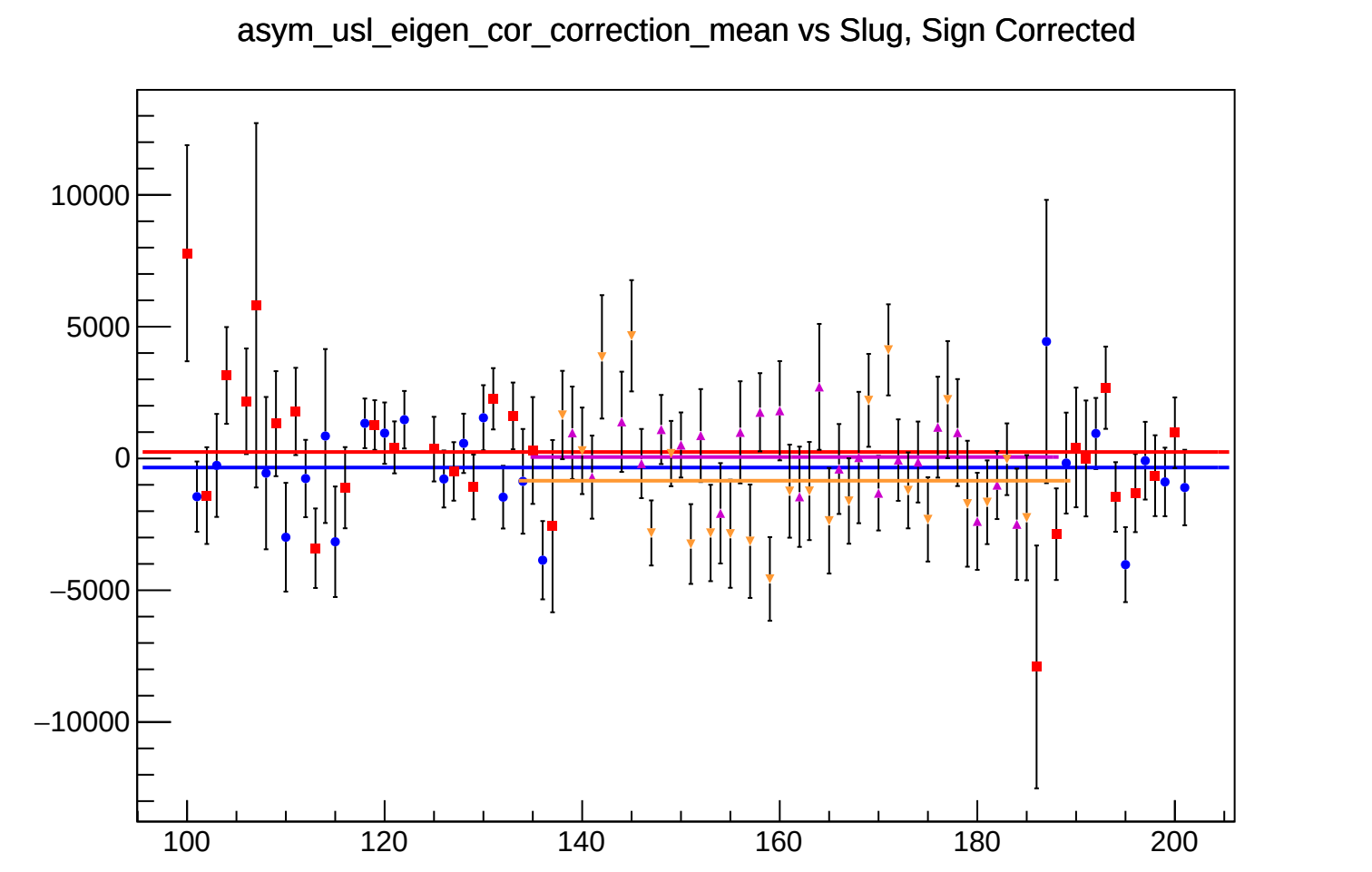
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1102.633+/-0.153 χ^2/NDF: 29483.7/49

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

Out: 1106.317+/-0.138 χ^2/NDF:18842.0/50

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96



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: 245.596+/-293.622 χ^2/NDF: 36.0/26

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

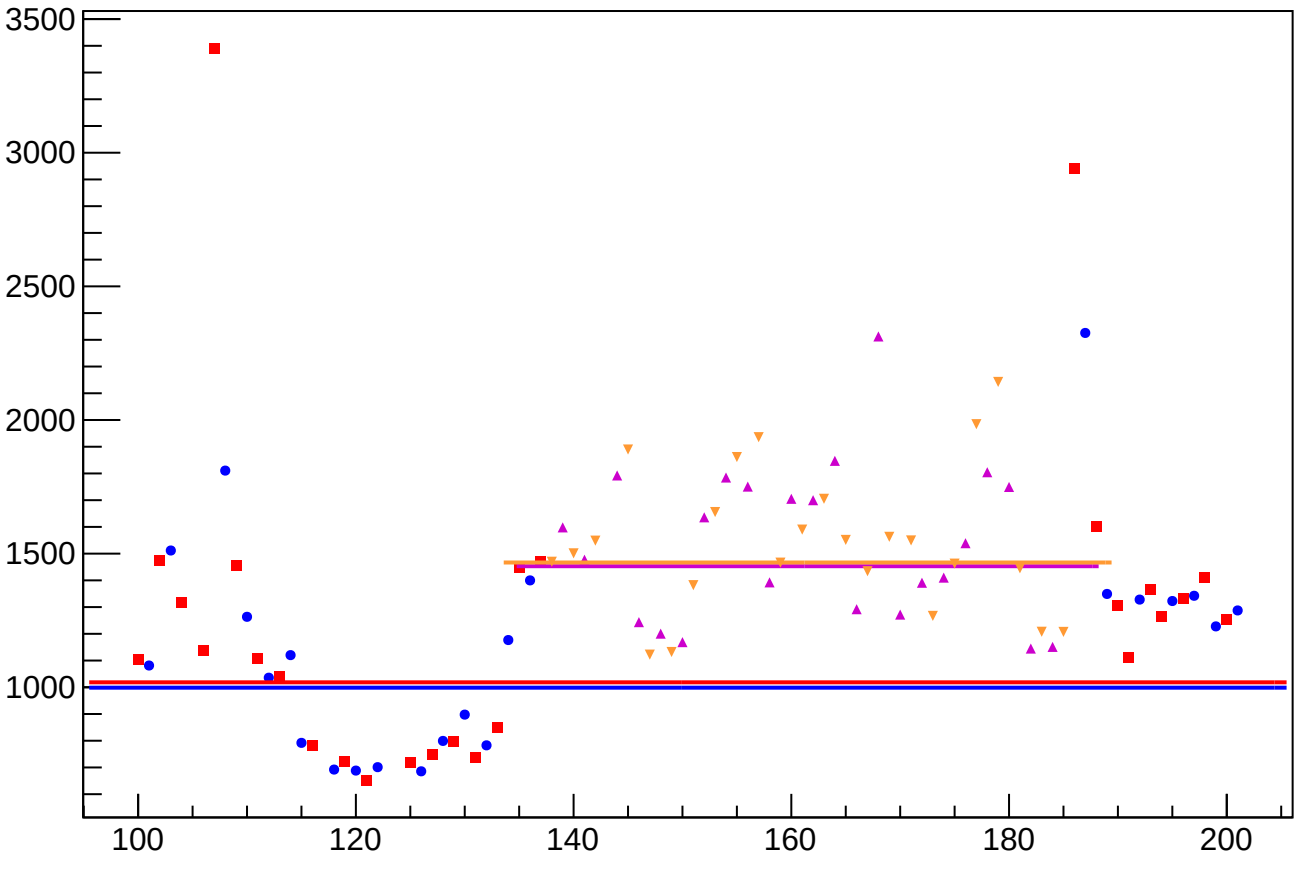
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -44.894+/-209.104 χ^2/NDF: 68.2/49

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

Out: -208.783+/-224.238 χ^2/NDF:85.9/50

All: -191.668+/-159.084 χ^2/NDF: 129.9/96



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: 1018.514+/-0.208 χ^2/NDF: 2685376.1/26

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

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

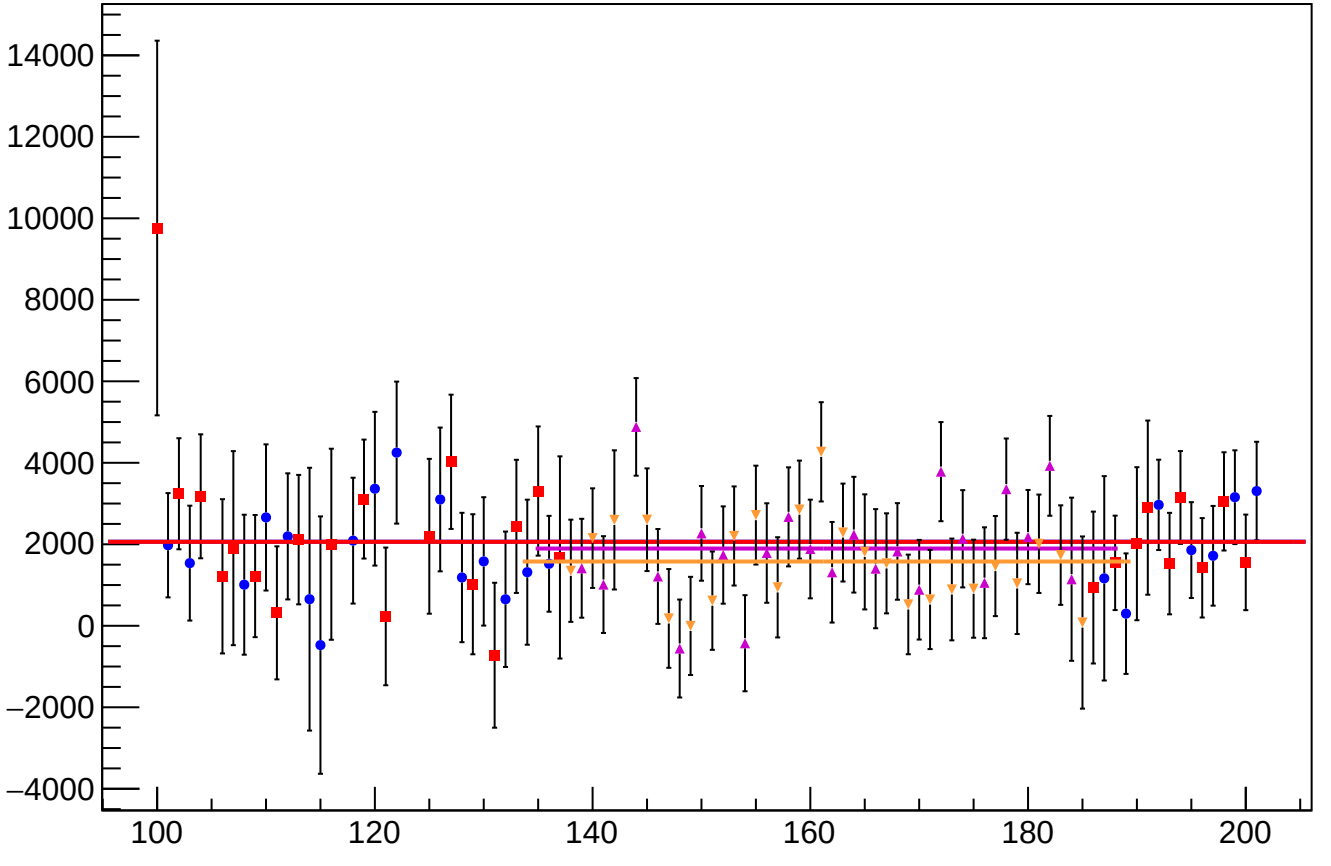
Right: 1008.650+/-0.148 χ^2/NDF: 4688844.8/49

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

Out: 1205.364+/-0.159 χ^2/NDF:5672001.4/50

All: 1198.713+/-0.112 χ^2/NDF: 10786194.7/9

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: 2060.688+/-302.010 χ^2/NDF: 15.3/26

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

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

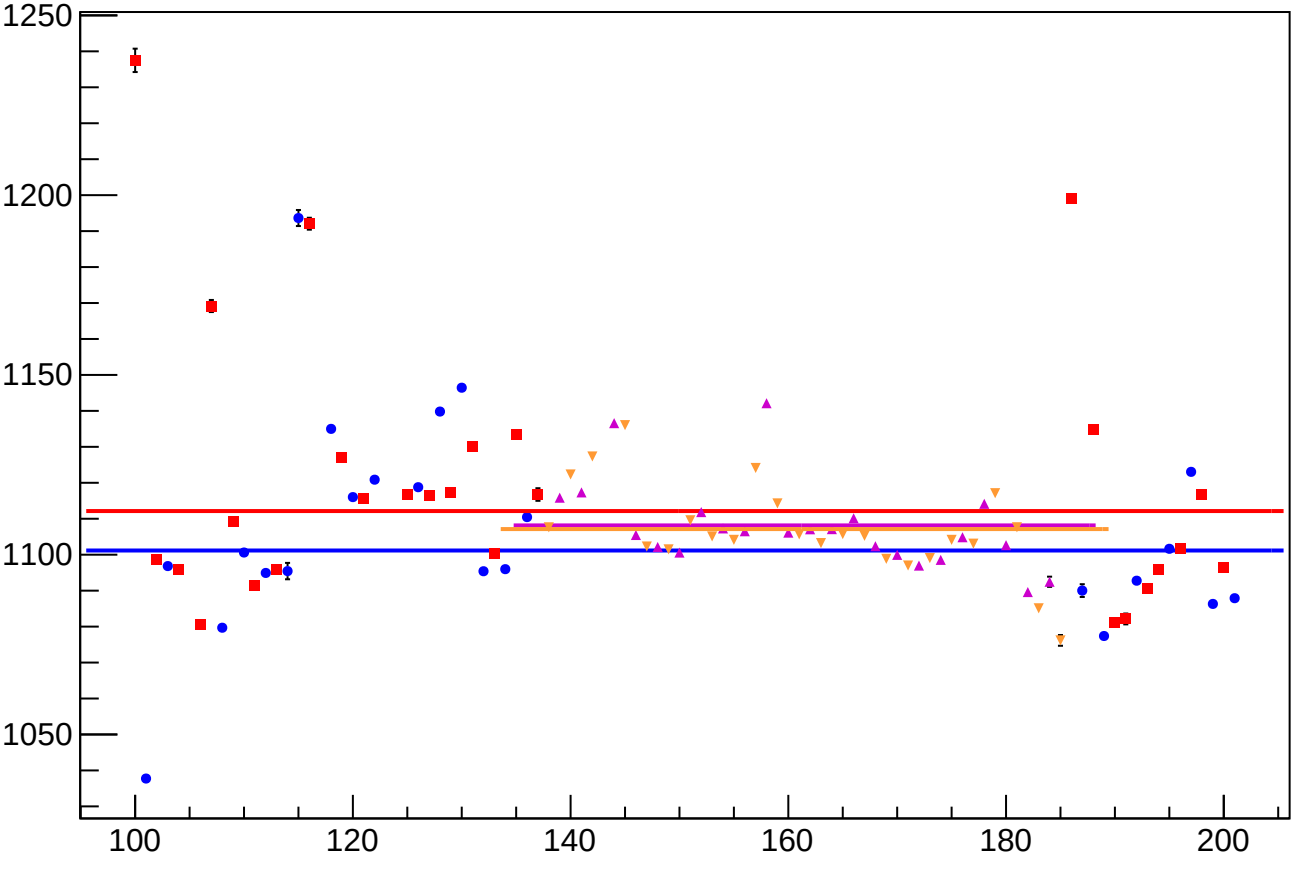
Right: 2062.137+/-217.432 χ^2/NDF: 25.0/49

In: 1963.735+/-199.504 χ^2/NDF:33.9/45

Out: 1780.385+/-195.726 χ^2/NDF:32.3/50

All: 1870.308+/-139.716 χ^2/NDF: 66.7/96

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: 1112.139+/-0.214 χ^2/NDF: 14997.7/26

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

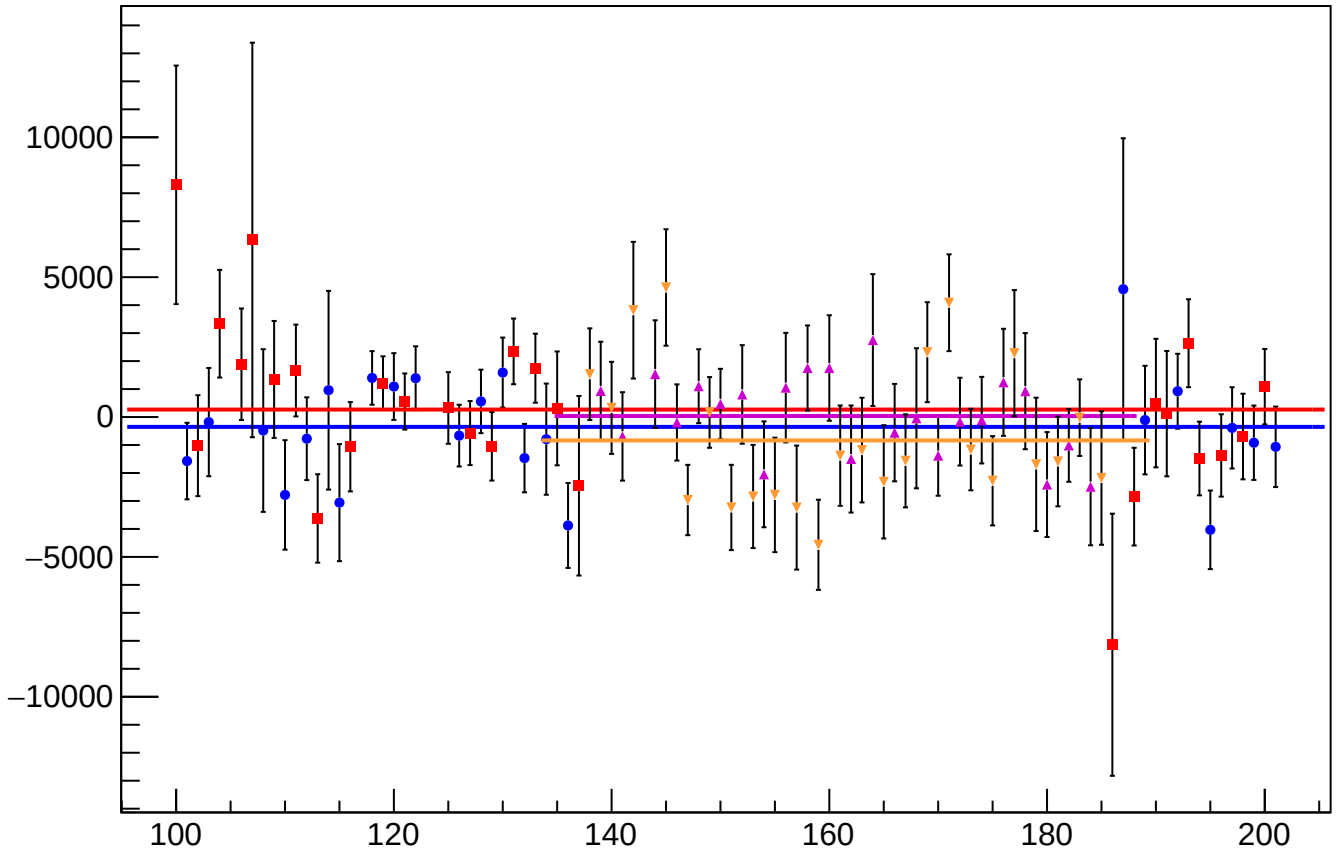
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1106.855+/-0.154 χ^2/NDF: 29693.0/49

In: 1105.316+/-0.141 χ^2/NDF:18204.2/45

Out: 1109.232+/-0.138 χ^2/NDF:19101.0/50

All: 1107.311+/-0.099 χ^2/NDF: 37697.9/96



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: 267.281+/-297.133 χ^2/NDF: 36.3/26

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

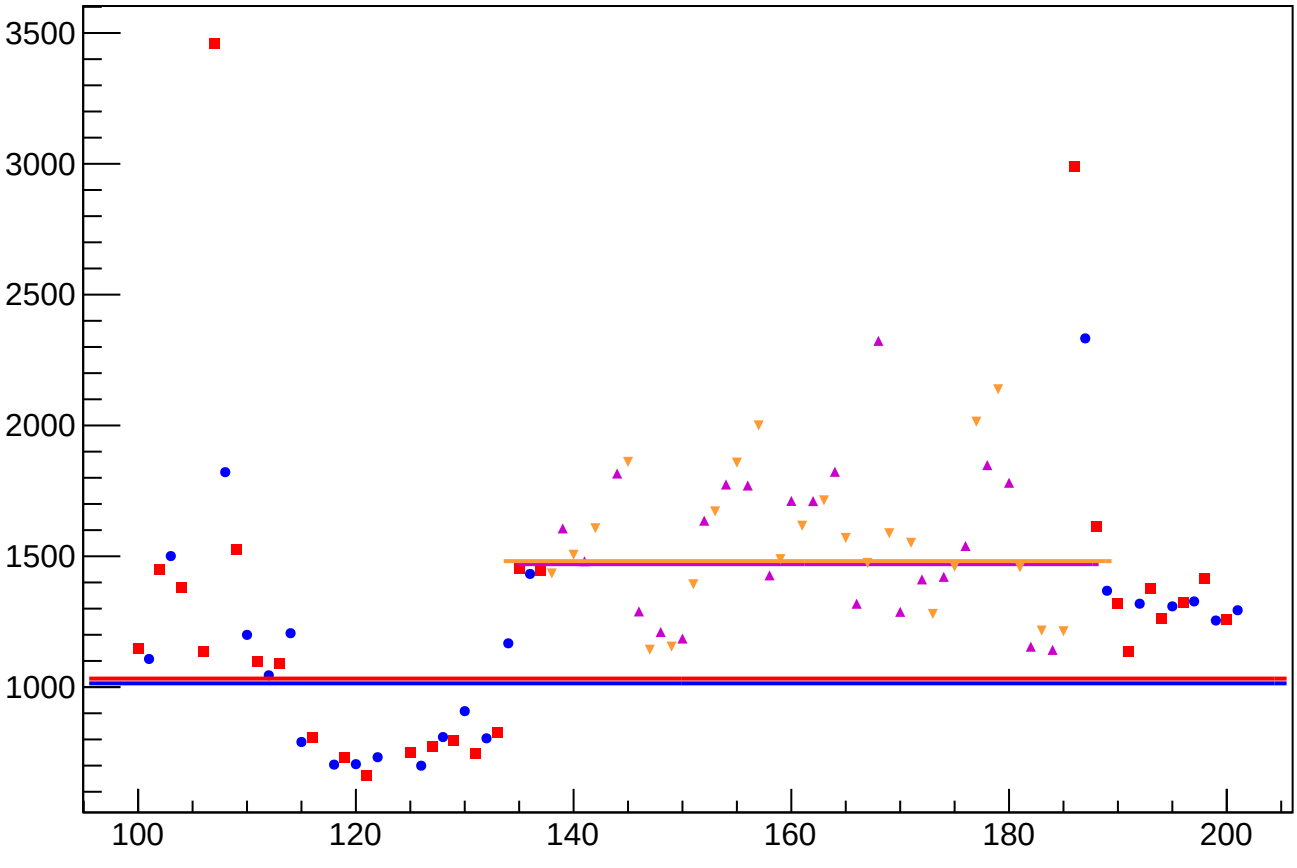
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: -37.623+/-211.682 χ^2/NDF: 68.2/49

In: -186.562+/-228.393 χ^2/NDF:43.7/45

Out: -193.585+/-226.681 χ^2/NDF:85.6/50

All: -190.100+/-160.890 χ^2/NDF: 129.2/96



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: 1032.567+/-0.210 χ^2/NDF: 2632142.8/26

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

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

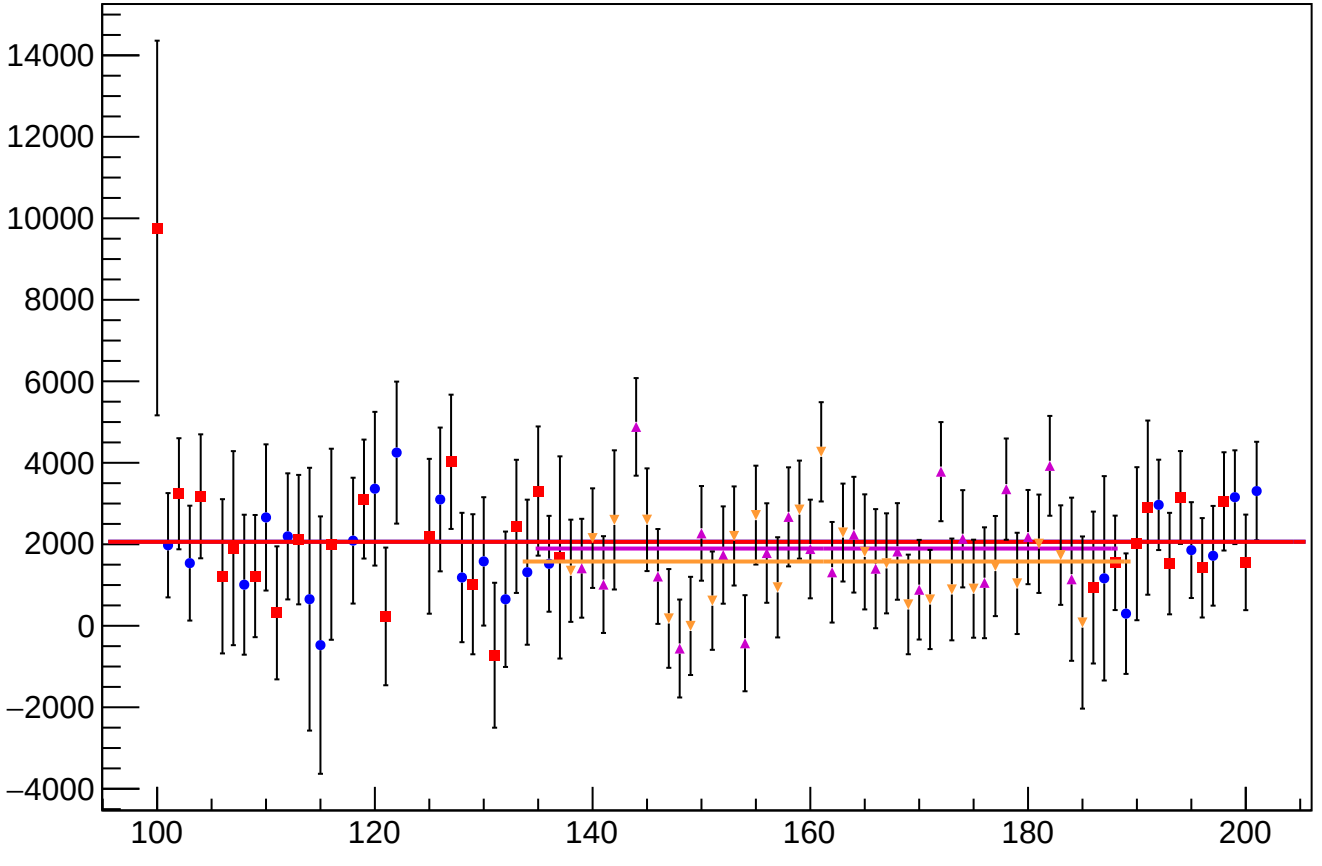
Right: 1023.605+/-0.150 χ^2/NDF: 4516370.1/49

In: 1208.752+/-0.161 χ^2/NDF:4921937.8/45

Out: 1220.236+/-0.160 χ^2/NDF:5558340.8/50

All: 1214.537+/-0.114 χ^2/NDF: 10482825.5/9

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: 2060.686+/-302.010 χ^2/NDF: 15.3/26

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

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

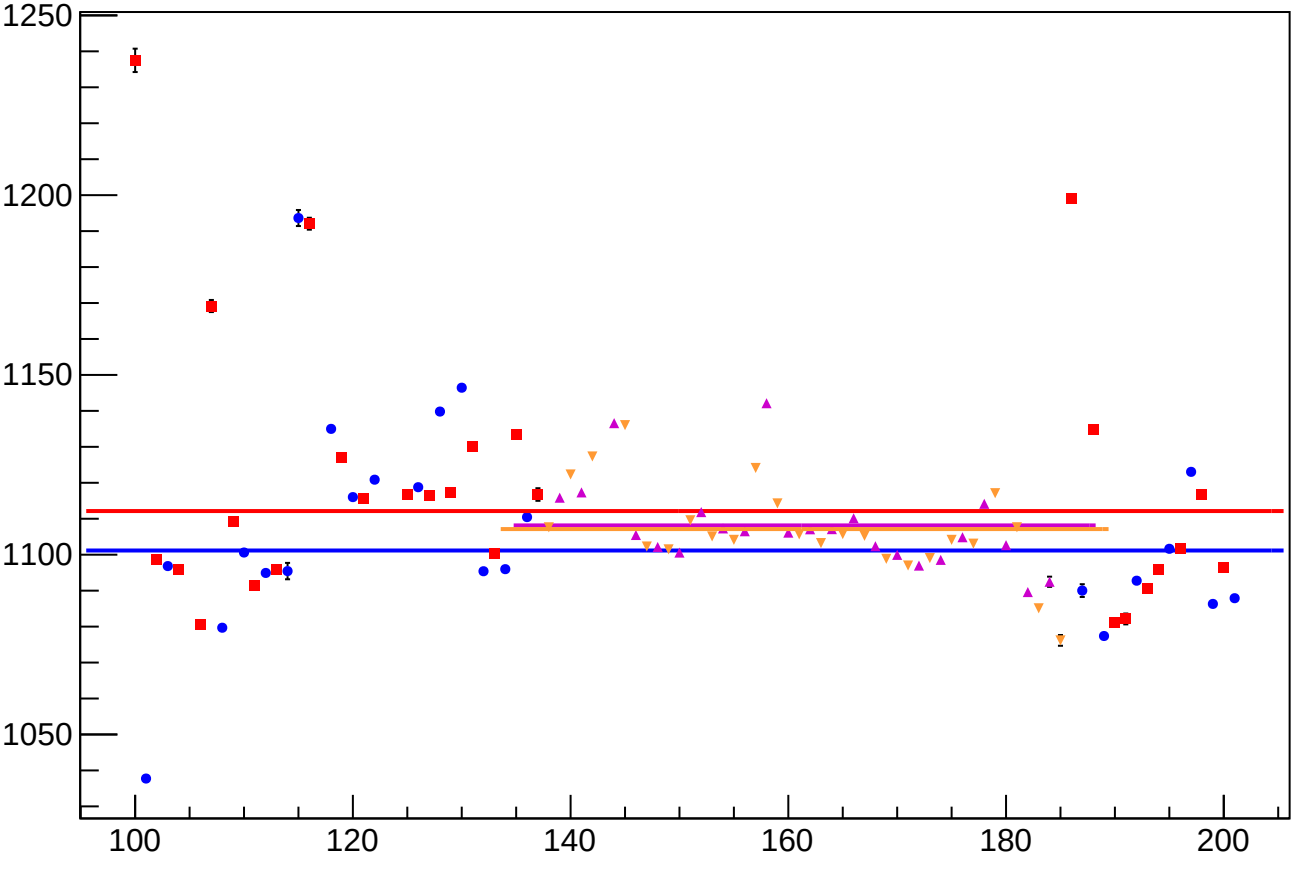
Right: 2062.136+/-217.432 χ^2/NDF: 25.0/49

In: 1963.735+/-199.504 χ^2/NDF:33.9/45

Out: 1780.383+/-195.726 χ^2/NDF:32.3/50

All: 1870.307+/-139.716 χ^2/NDF: 66.7/96

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: 1112.139+/-0.214 χ^2/NDF: 14997.7/26

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

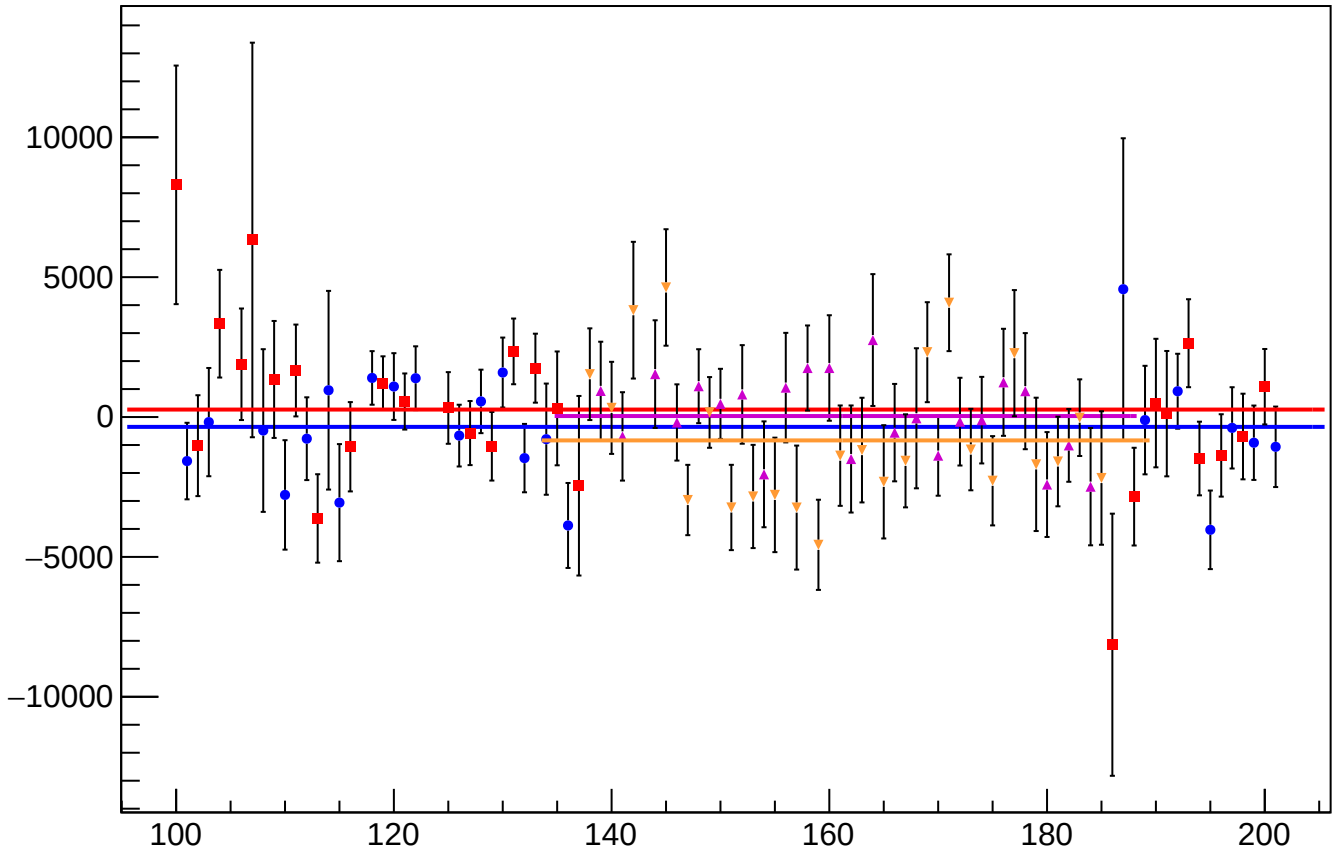
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1106.855+/-0.154 χ^2/NDF: 29692.9/49

In: 1105.316+/-0.141 χ^2/NDF:18204.2/45

Out: 1109.232+/-0.138 χ^2/NDF:19100.9/50

All: 1107.311+/-0.099 χ^2/NDF: 37697.8/96



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: 267.281+/-297.132 χ^2/NDF: 36.3/26

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

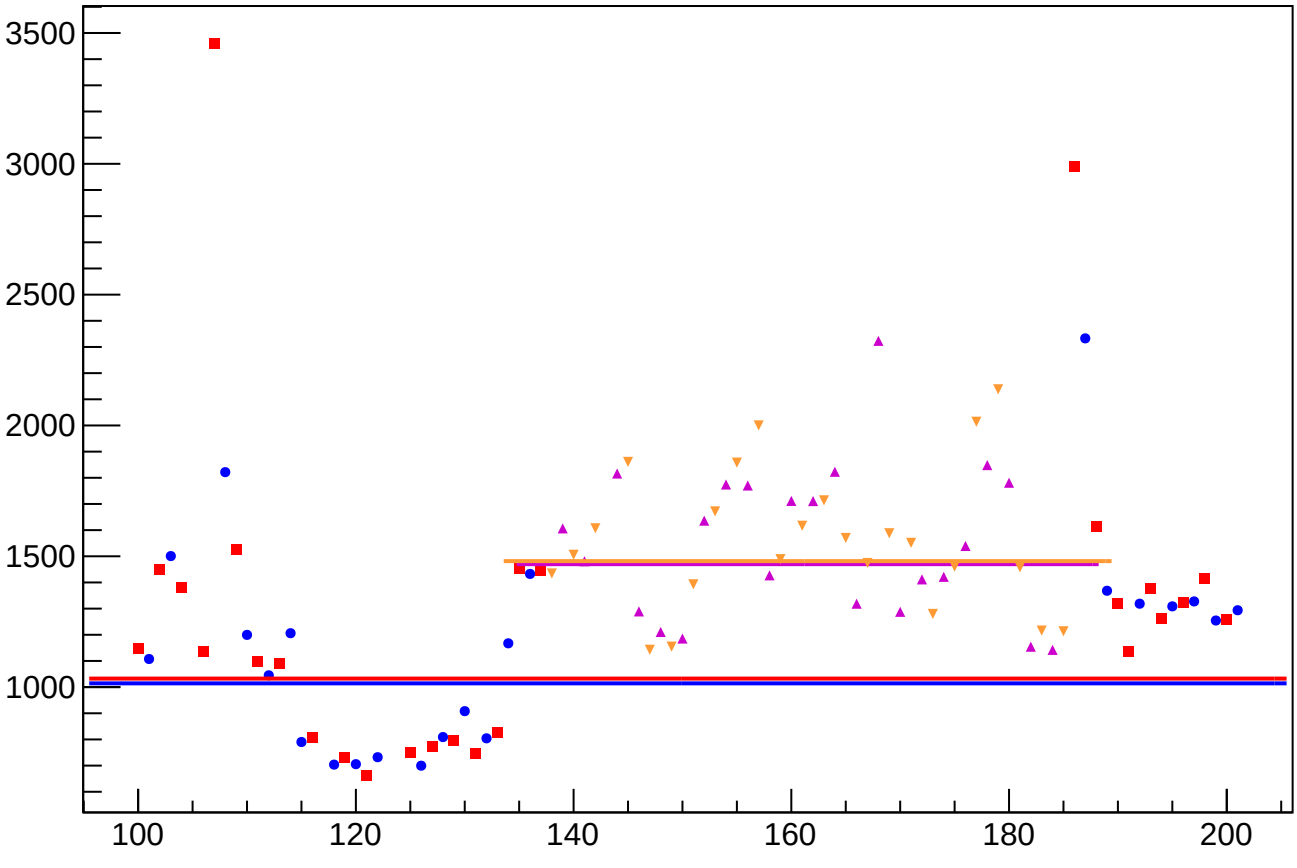
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -37.622+/-211.682 χ^2/NDF: 68.2/49

In: -186.561+/-228.393 χ^2/NDF:43.7/45

Out: -193.584+/-226.681 χ^2/NDF:85.6/50

All: -190.099+/-160.890 χ^2/NDF: 129.2/96



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: 1032.565+/-0.210 χ^2/NDF: 2632156.3/26

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

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

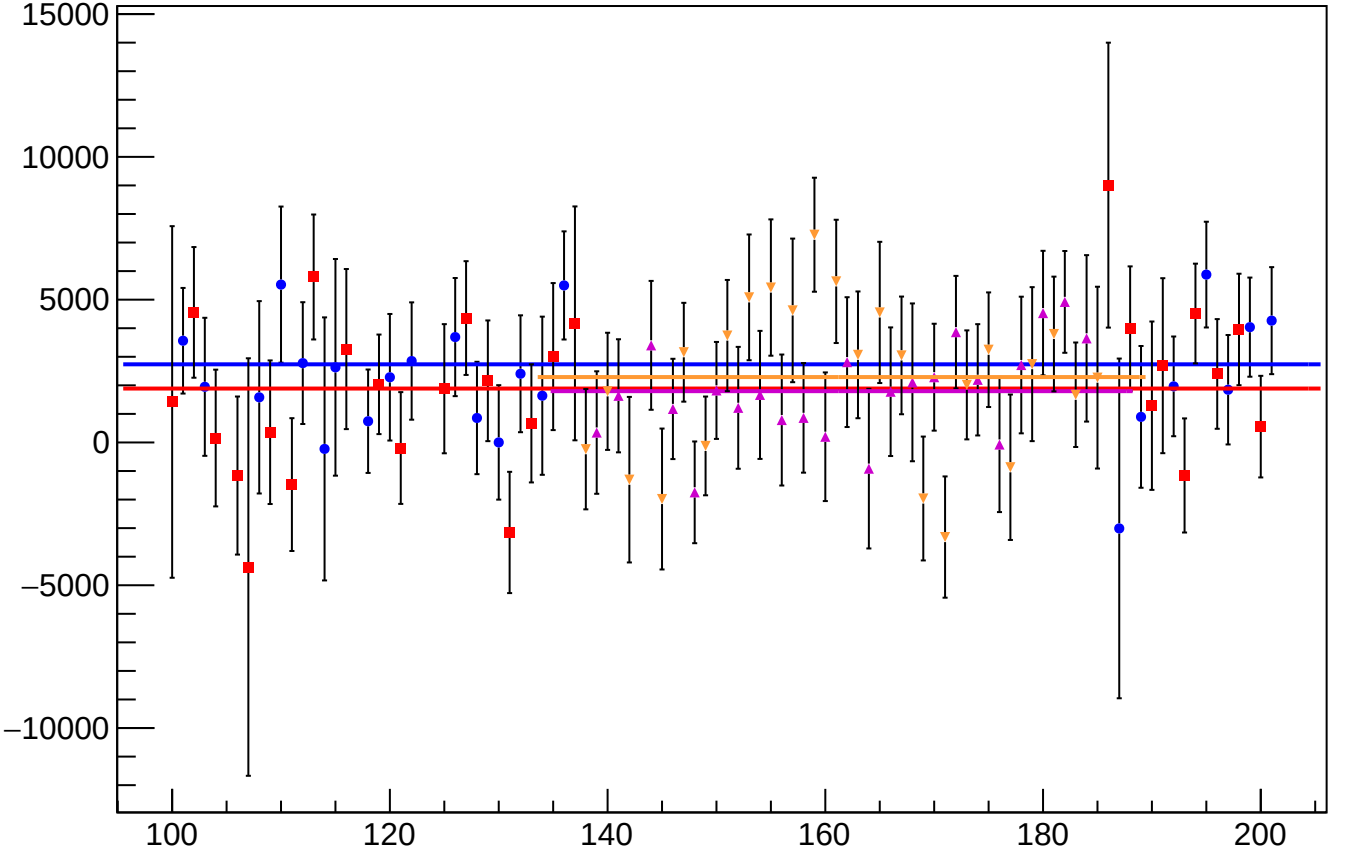
Right: 1023.603+/-0.150 χ^2/NDF: 4516395.9/49

In: 1208.751+/-0.161 χ^2/NDF:4921974.5/45

Out: 1220.234+/-0.160 χ^2/NDF:5558380.6/50

All: 1214.536+/-0.114 χ^2/NDF: 10482902.0/9

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: 1887.625+/-445.043 χ^2/NDF: 28.3/26

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

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

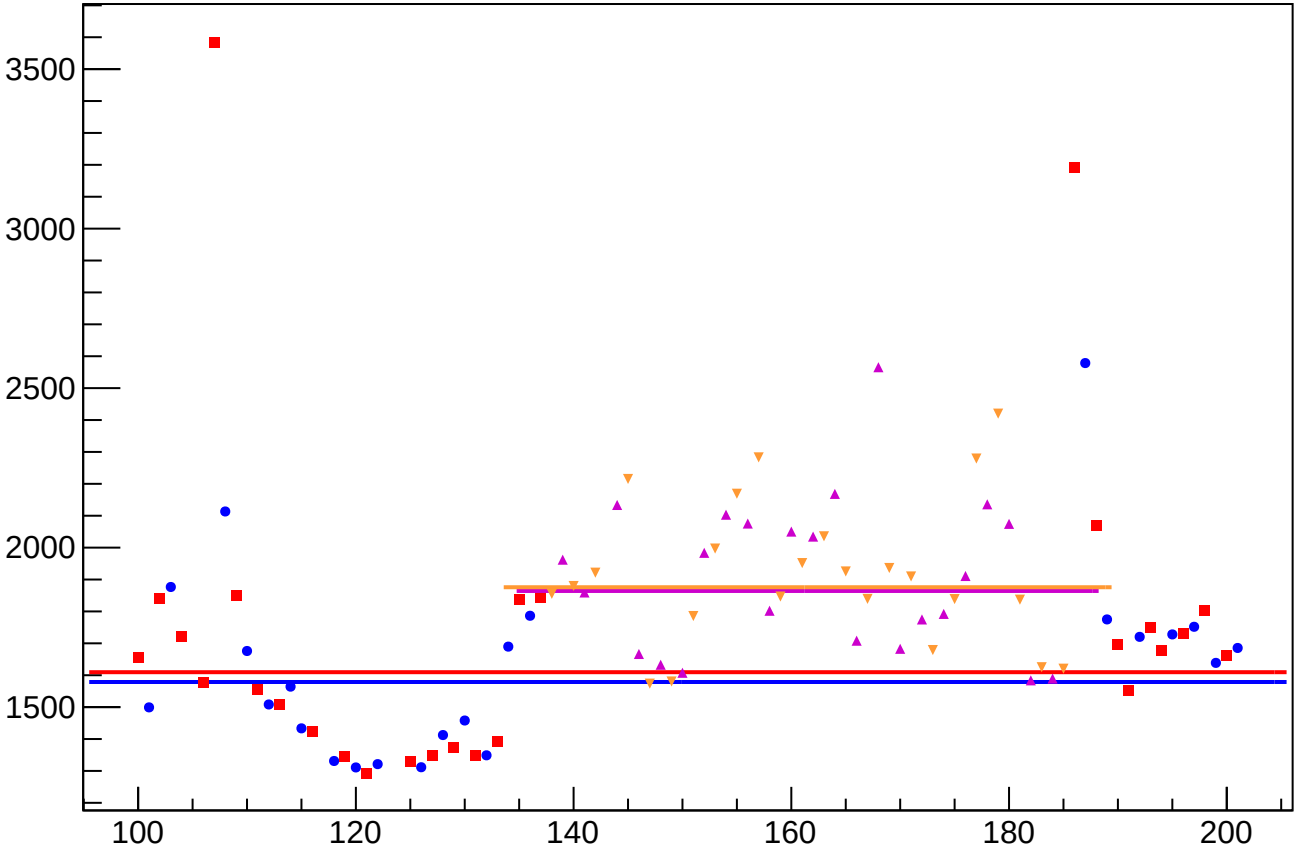
Right: 2303.631+/-317.730 χ^2/NDF: 44.5/49

In: 2250.820+/-315.562 χ^2/NDF:30.9/45

Out: 2091.261+/-312.653 χ^2/NDF:64.7/50

All: 2170.301+/-222.100 χ^2/NDF: 95.8/96

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: 1609.507+/-0.315 χ^2/NDF: 802307.7/26

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

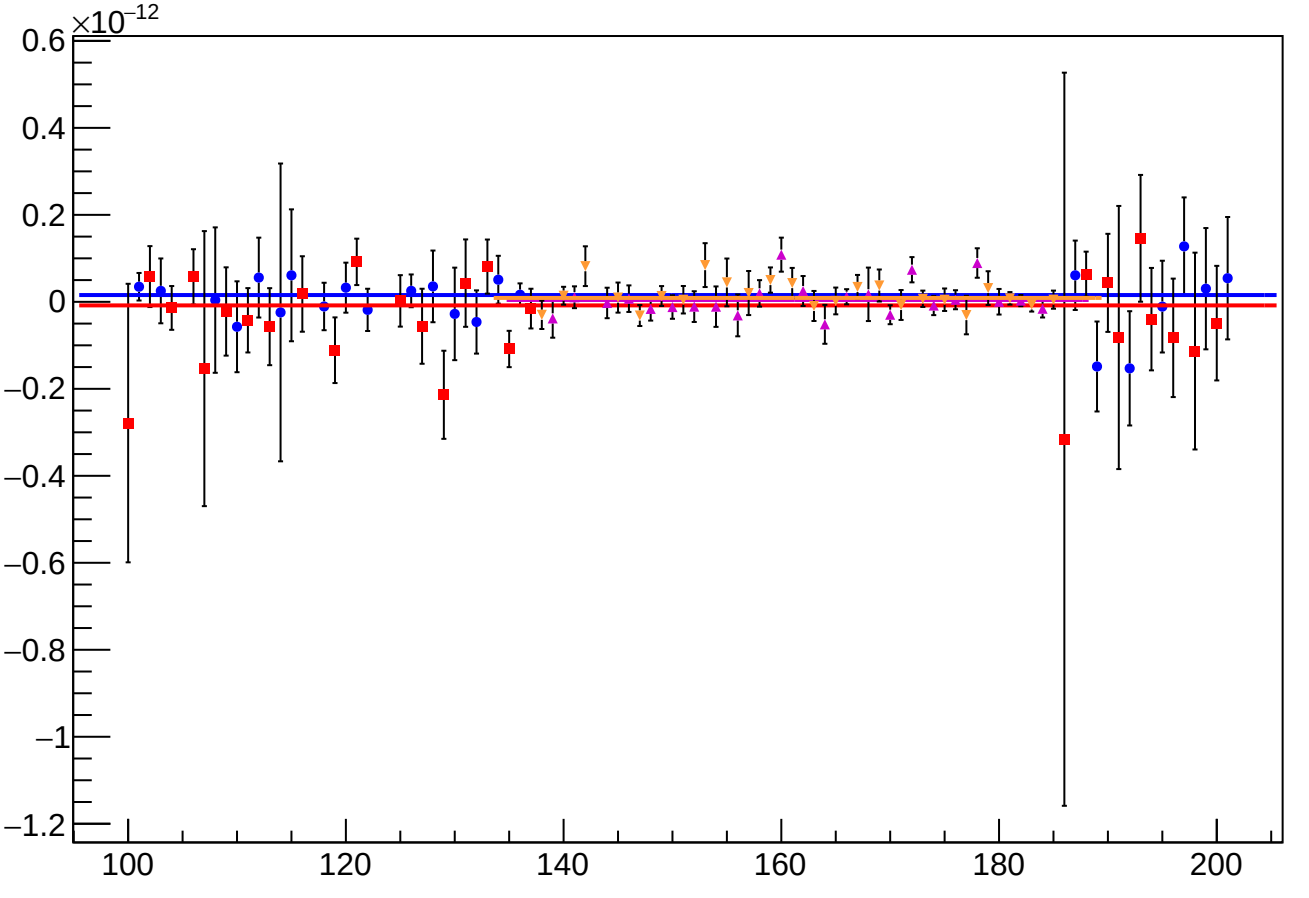
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1594.436+/-0.225 χ^2/NDF: 1224908.8/49

In: 1726.136+/-0.223 χ^2/NDF:1337052.9/45

Out: 1744.383+/-0.221 χ^2/NDF:1637568.9/50

All: 1735.344+/-0.157 χ^2/NDF: 2977996.3/96



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: 25.6/26

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

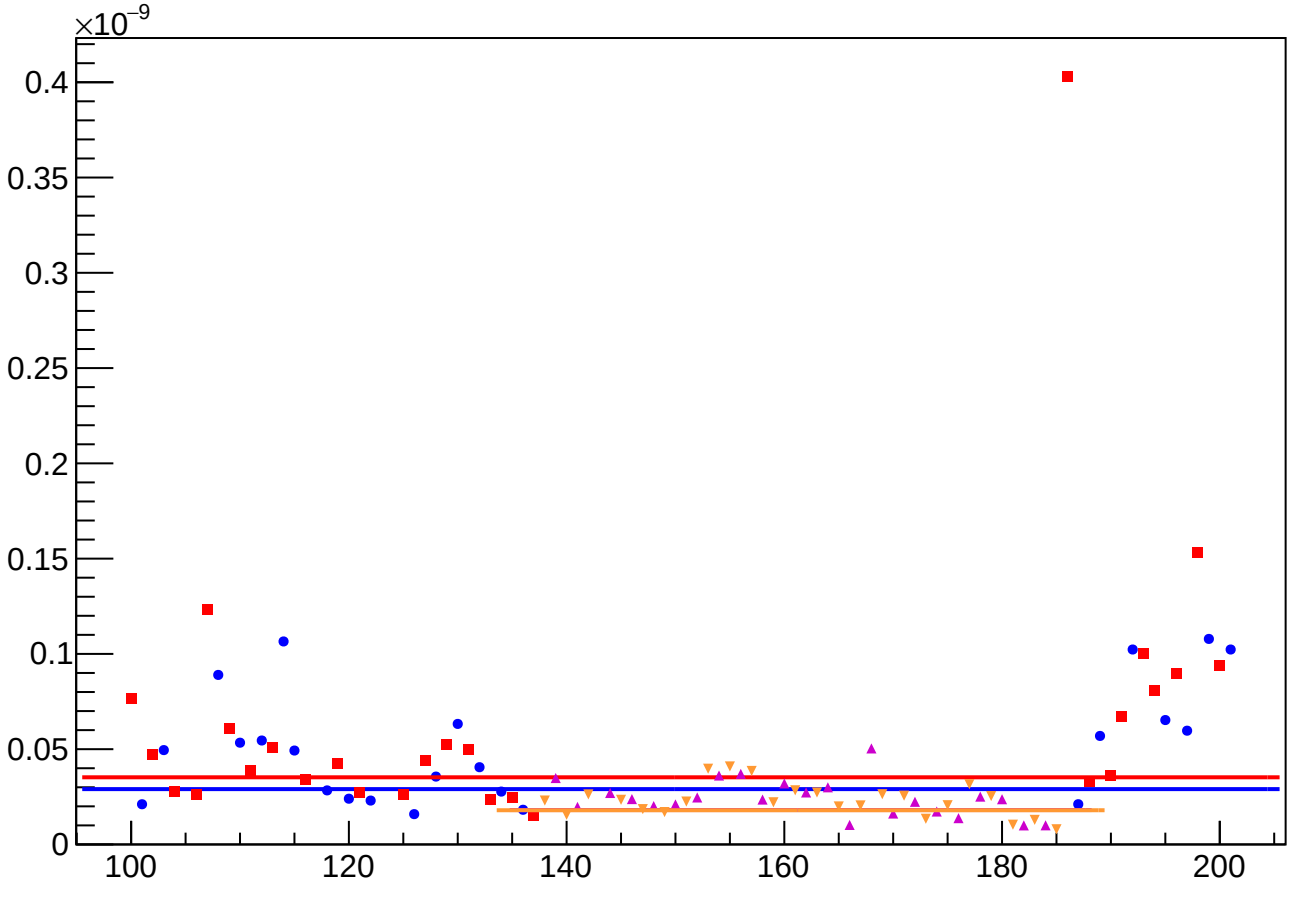
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 36.1/49

In: 0.000+/-0.000 χ^2/NDF:37.8/45

Out: 0.000+/-0.000 χ^2/NDF:43.4/50

All: 0.000+/-0.000 χ^2/NDF: 81.2/96



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: 3705318.3/26

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

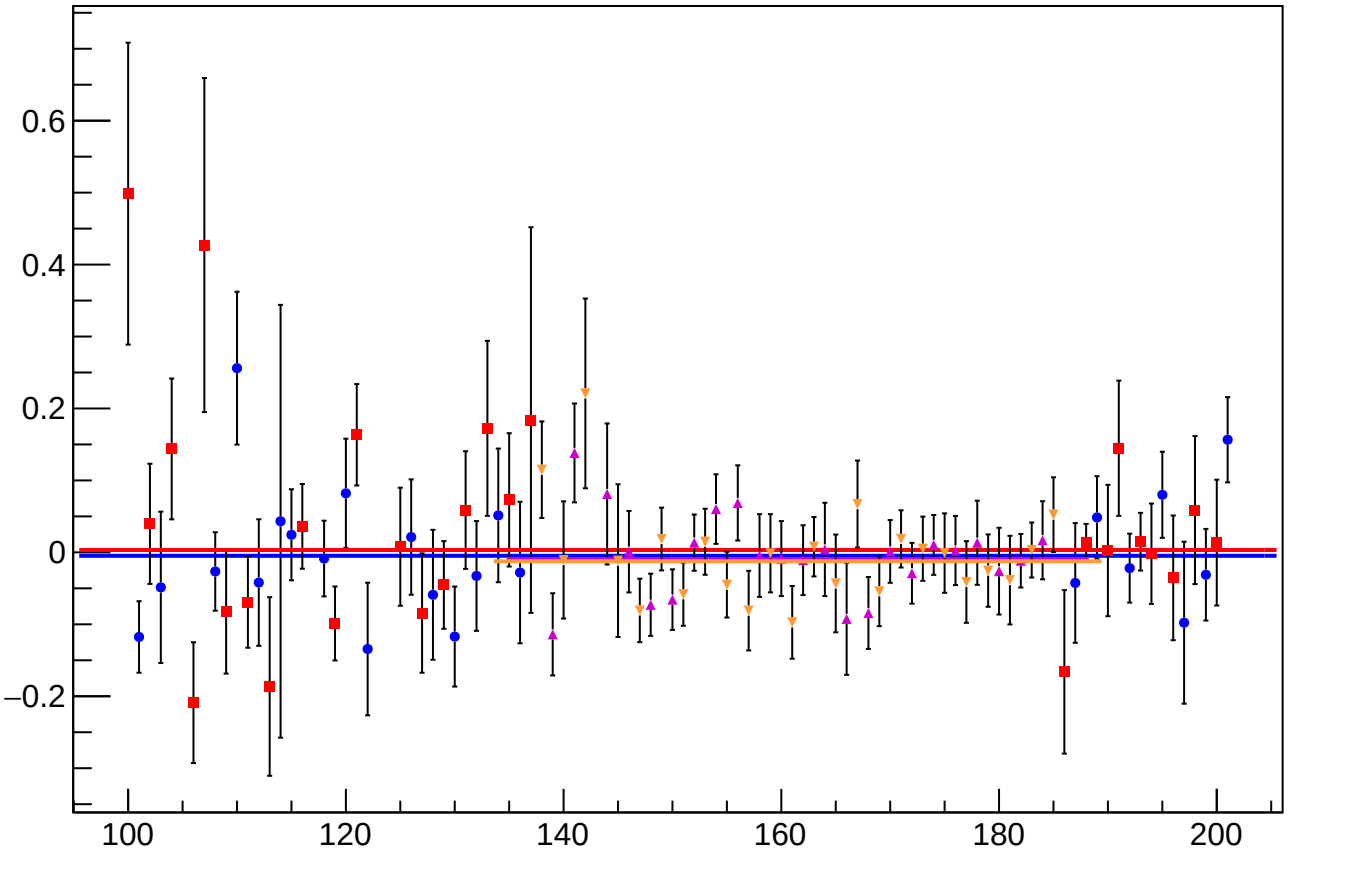
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8099347.3/49

In: 0.000+/-0.000 χ^2/NDF:9606823.5/45

Out: 0.000+/-0.000 χ^2/NDF:9603702.7/50

All: 0.000+/-0.000 χ^2/NDF: 19213376.5/96



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: 0.003+/-0.013 χ^2/NDF: 42.0/26

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

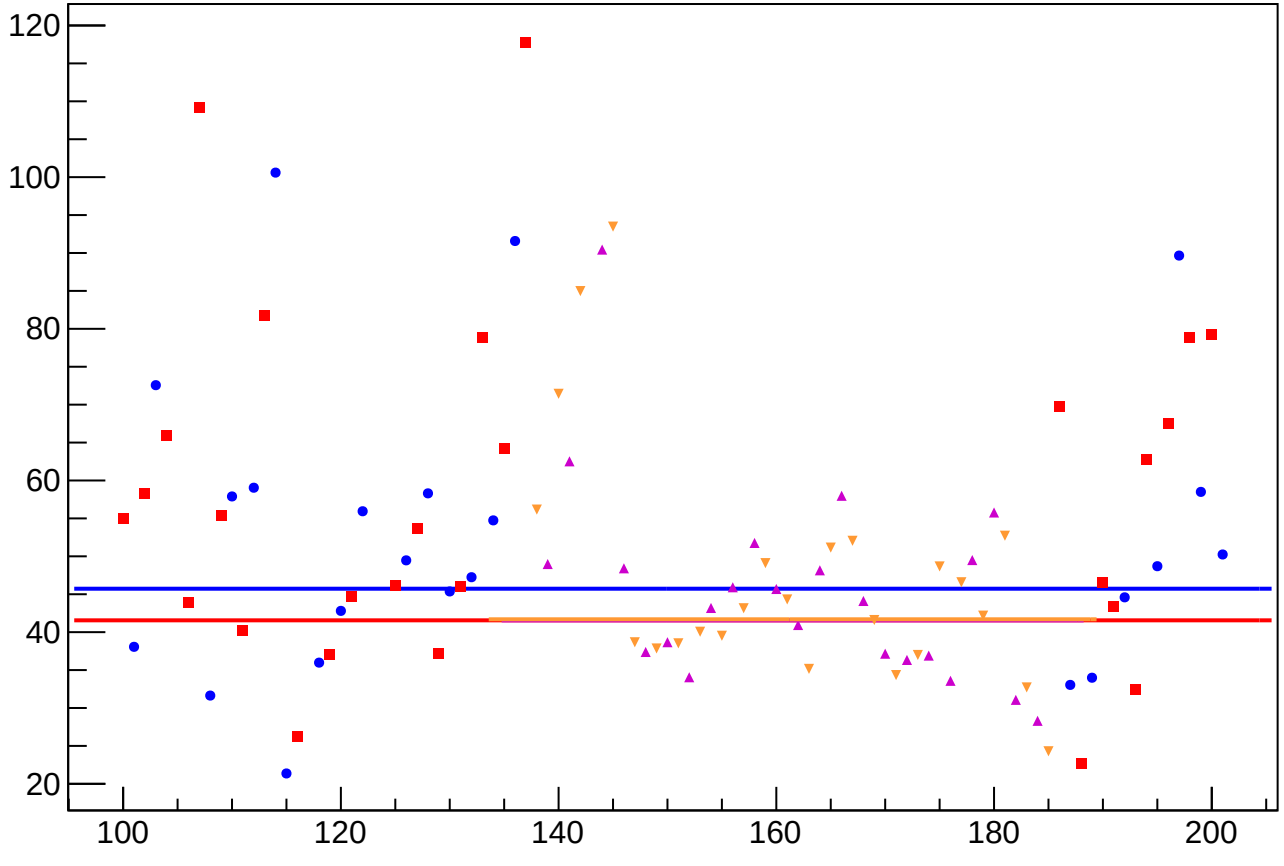
Right: -0.000+/-0.010 χ^2/NDF: 72.5/49

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.007+/-0.006 χ^2/NDF: 117.1/96

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: 41.559+/-0.009 χ^2/NDF: 3593296.4/26

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

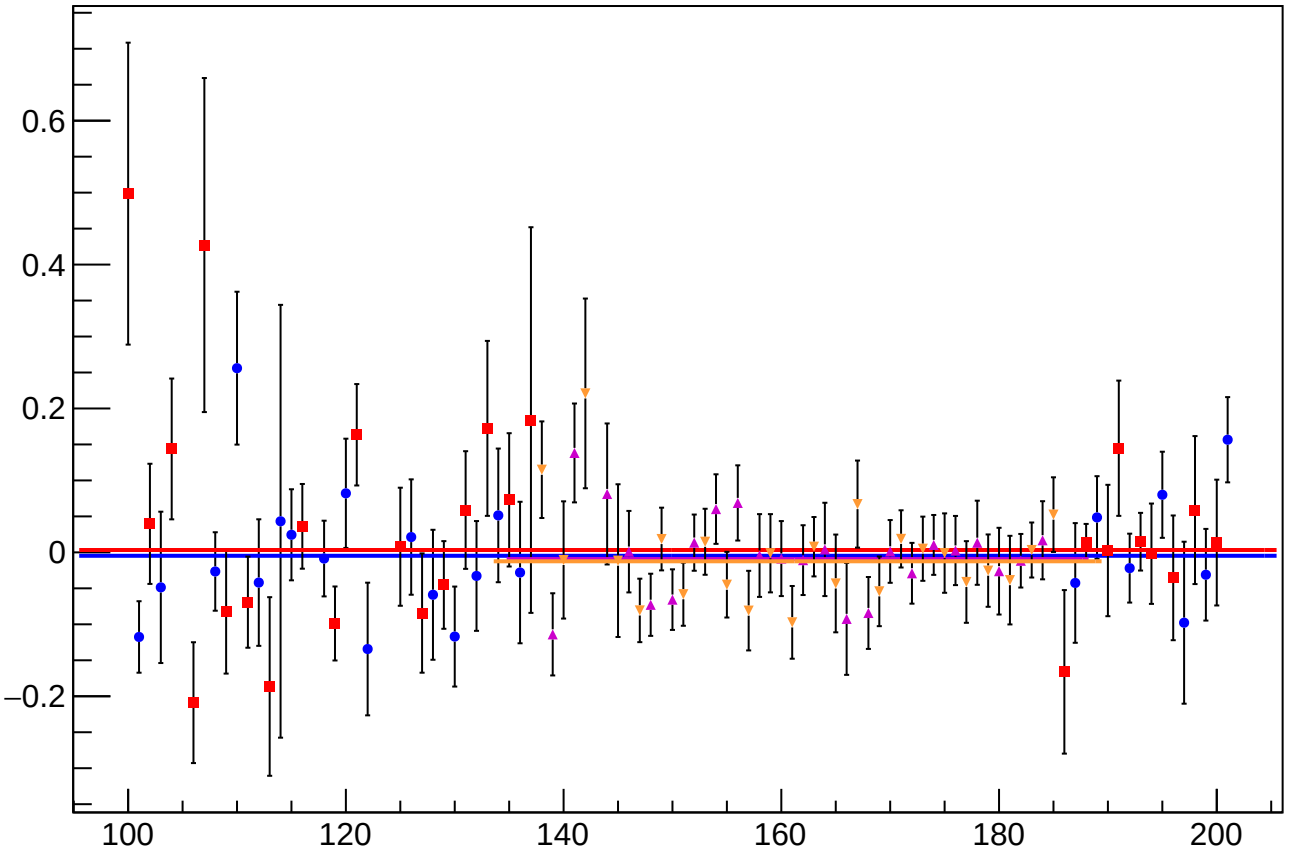
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.442+/-0.007 χ^2/NDF: 5554414.9/49

In: 42.955+/-0.006 χ^2/NDF:3593054.3/45

Out: 41.643+/-0.006 χ^2/NDF:5415213.4/50

All: 42.277+/-0.004 χ^2/NDF: 9032704.3/96



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: 0.003+/-0.013 χ^2/NDF: 42.0/26

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

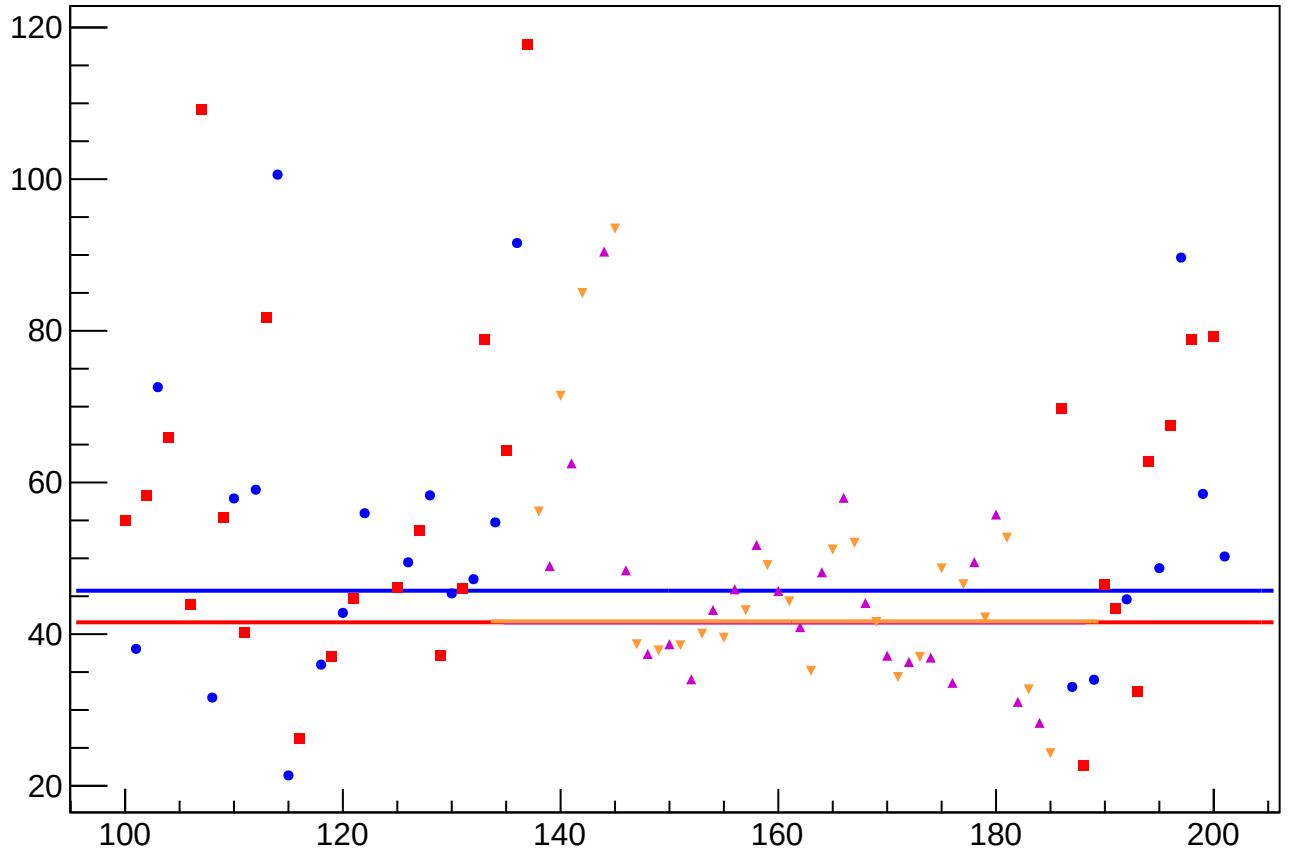
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.000+/-0.010 χ^2/NDF: 72.5/49

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.007+/-0.006 χ^2/NDF: 117.1/96



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: 41.559+/-0.009 χ^2/NDF: 3593296.4/26

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

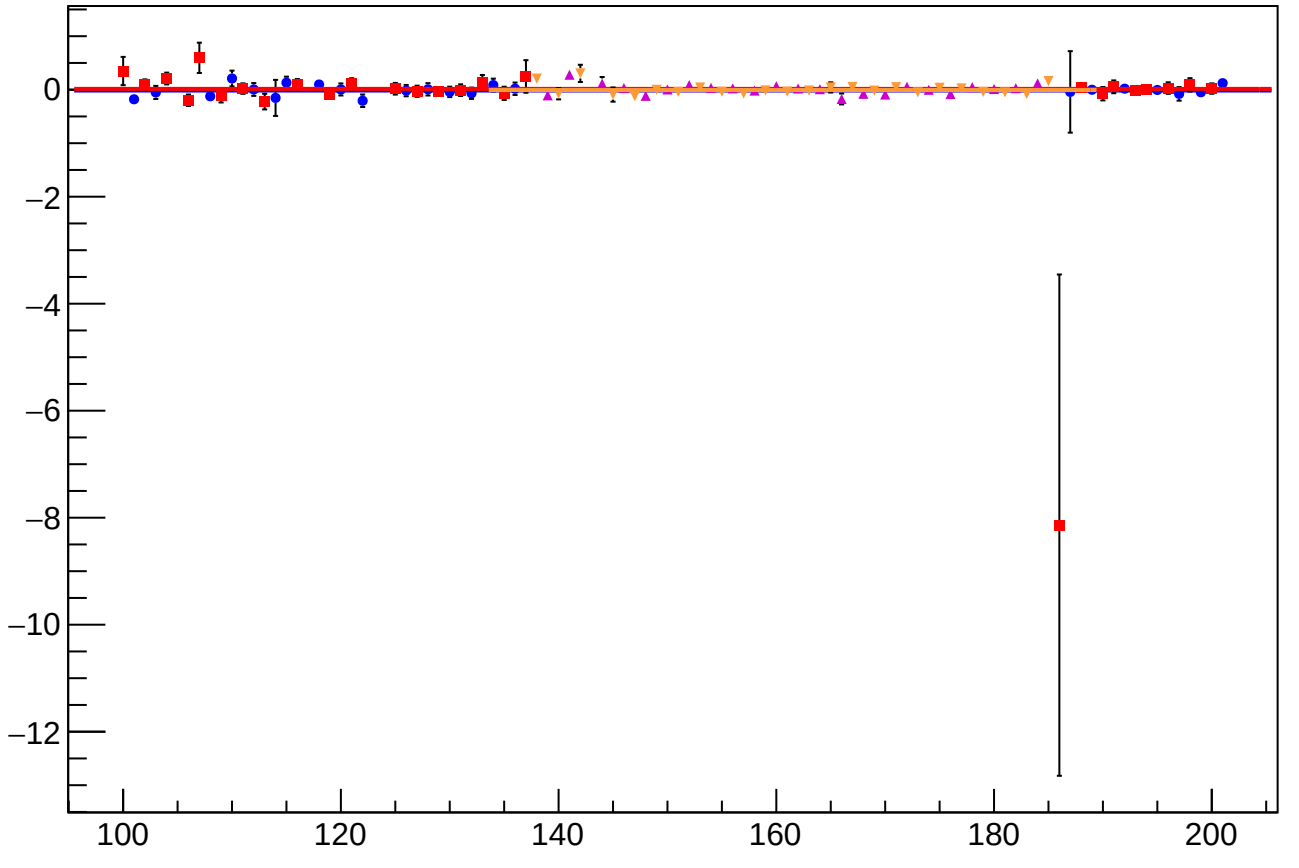
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.442+/-0.007 χ^2/NDF: 5554414.9/49

In: 42.955+/-0.006 χ^2/NDF:3593054.3/45

Out: 41.643+/-0.006 χ^2/NDF:5415213.4/50

All: 42.277+/-0.004 χ^2/NDF: 9032704.3/96



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: 0.015+/-0.020 χ^2/NDF: 27.2/26

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

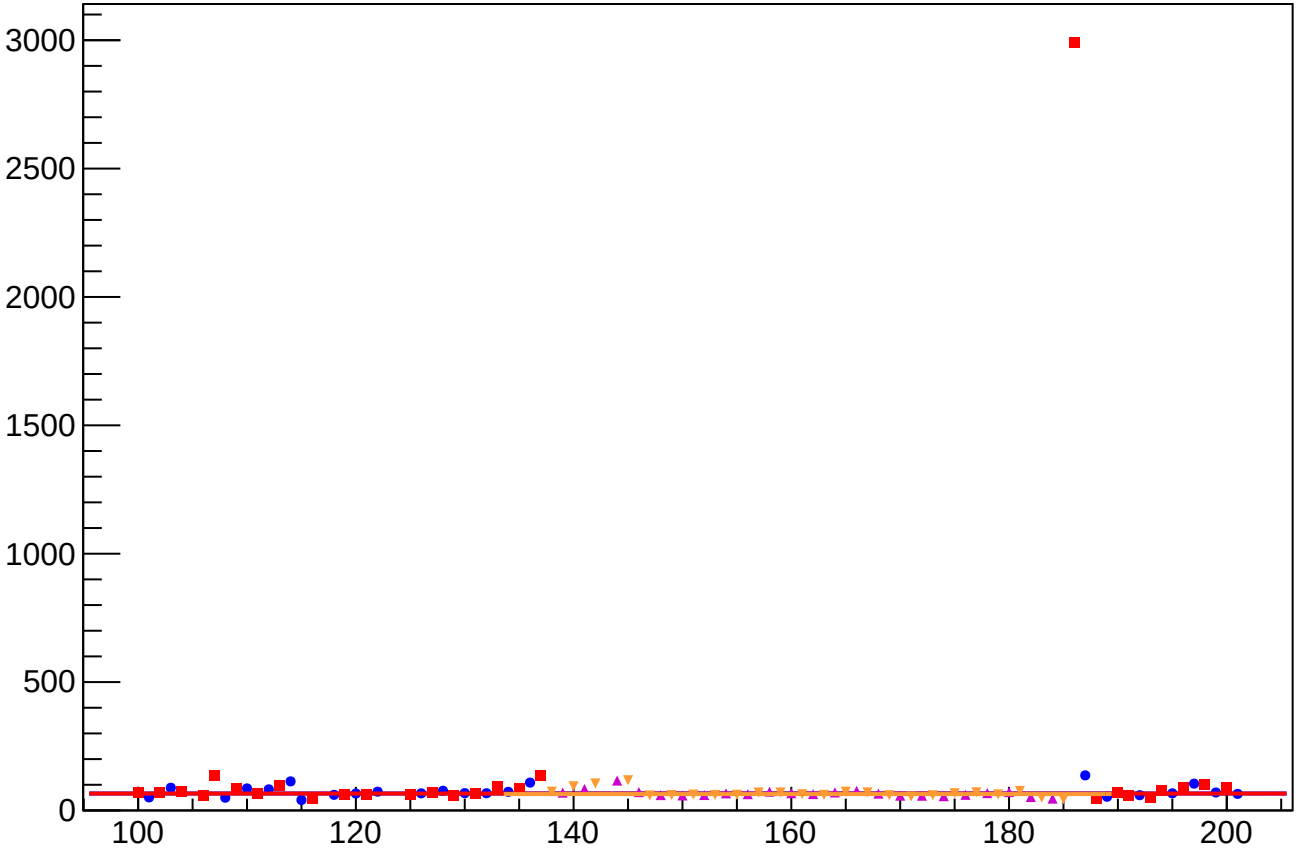
Right: 0.000+/-0.014 χ^2/NDF: 50.6/49

In: -0.001+/-0.012 χ^2/NDF:51.2/45

Out: 0.002+/-0.012 χ^2/NDF:51.7/50

All: 0.000+/-0.009 χ^2/NDF: 102.9/96

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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: 65.784+/-0.014 χ^2/NDF: 2275559.0/26

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

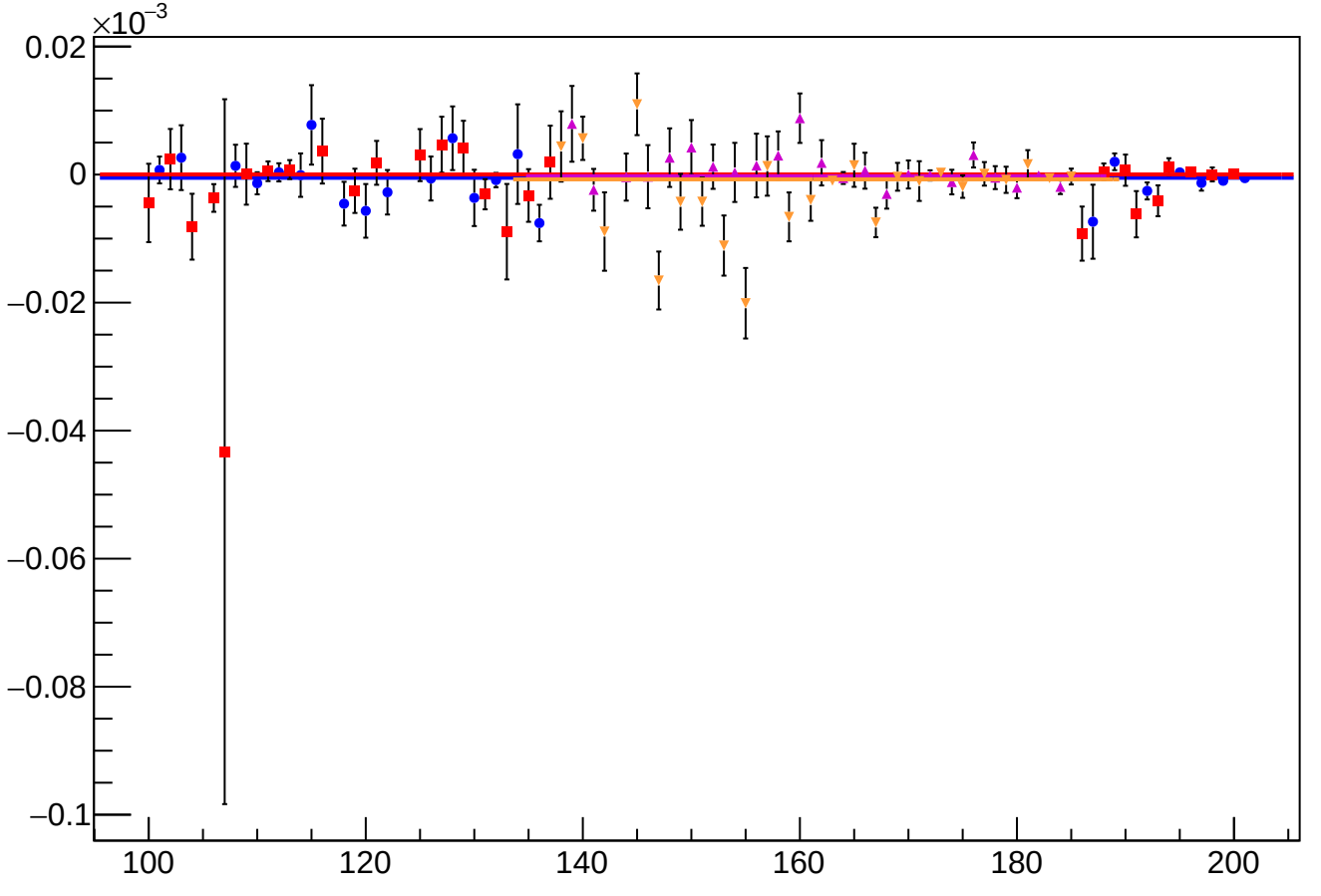
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 65.936+/-0.010 χ^2/NDF: 3316621.5/49

In: 64.794+/-0.009 χ^2/NDF:1892632.2/45

Out: 64.541+/-0.009 χ^2/NDF:3367261.0/50

All: 64.665+/-0.006 χ^2/NDF: 5260321.1/96



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: 27.1/26

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

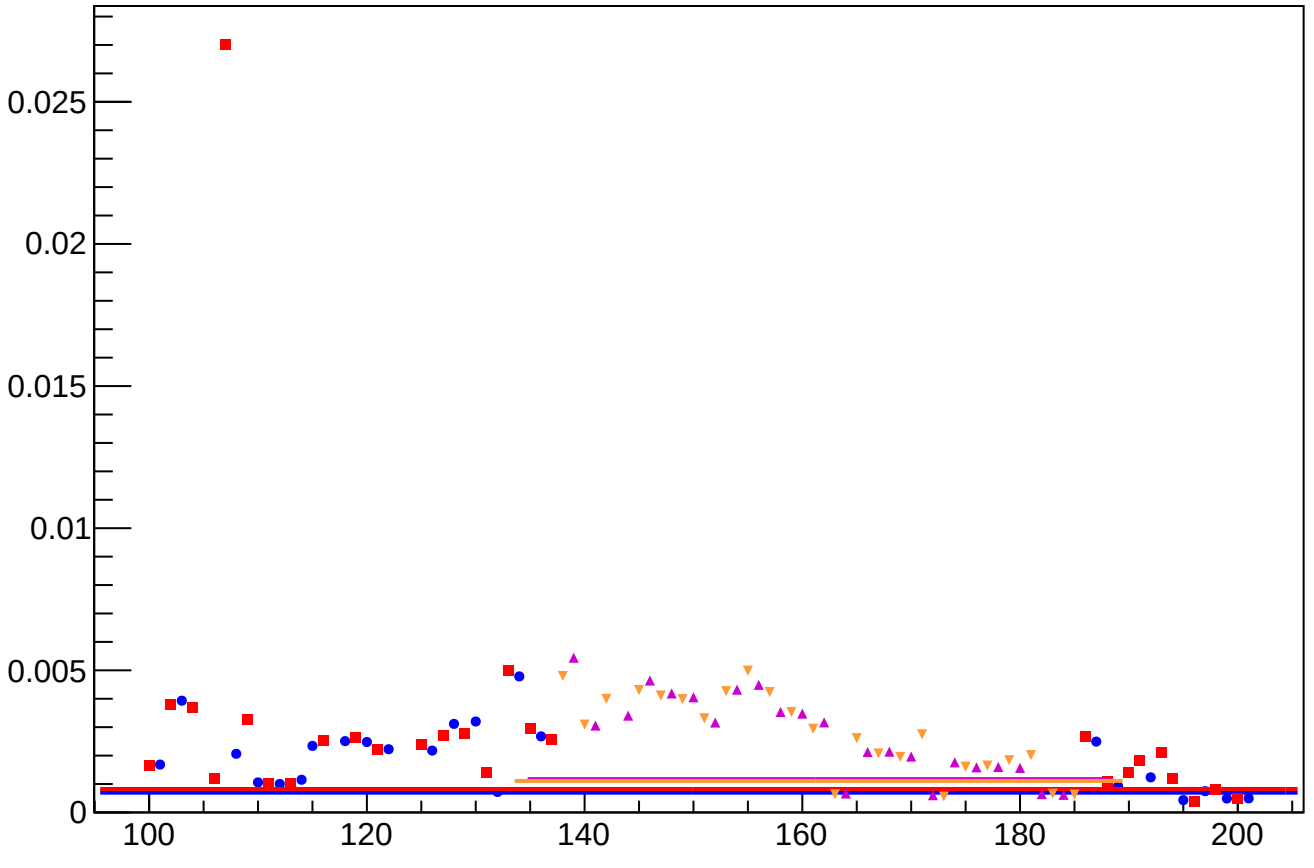
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.6/49

In: -0.000+/-0.000 χ^2/NDF:45.9/45

Out: -0.000+/-0.000 χ^2/NDF:89.9/50

All: -0.000+/-0.000 χ^2/NDF: 135.9/96



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: 9532714.2/26

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

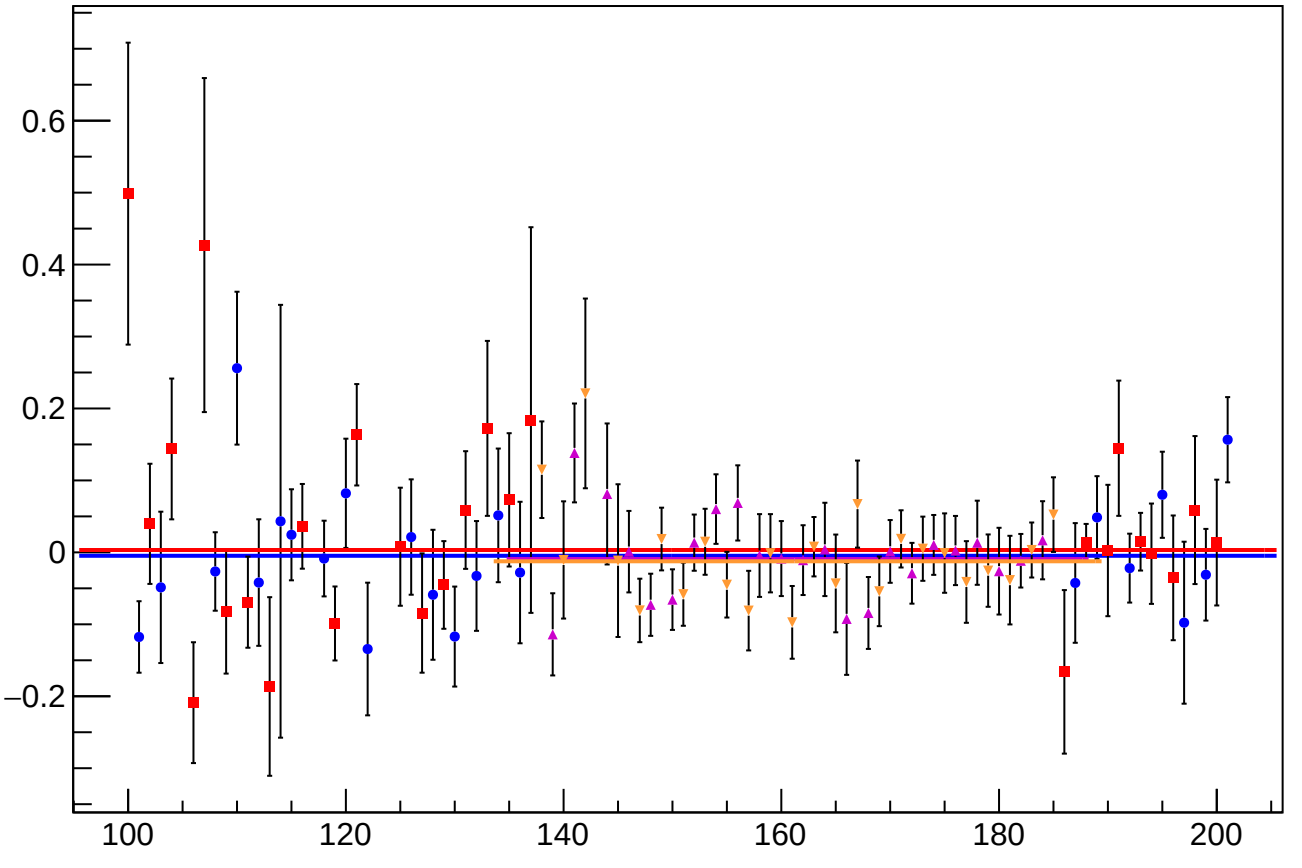
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 17721326.9/49

In: 0.001+/-0.000 χ^2/NDF:24562301.0/45

Out: 0.001+/-0.000 χ^2/NDF:25458258.1/50

All: 0.001+/-0.000 χ^2/NDF: 50210313.0/96



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: 0.003+/-0.013 χ^2/NDF: 42.0/26

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

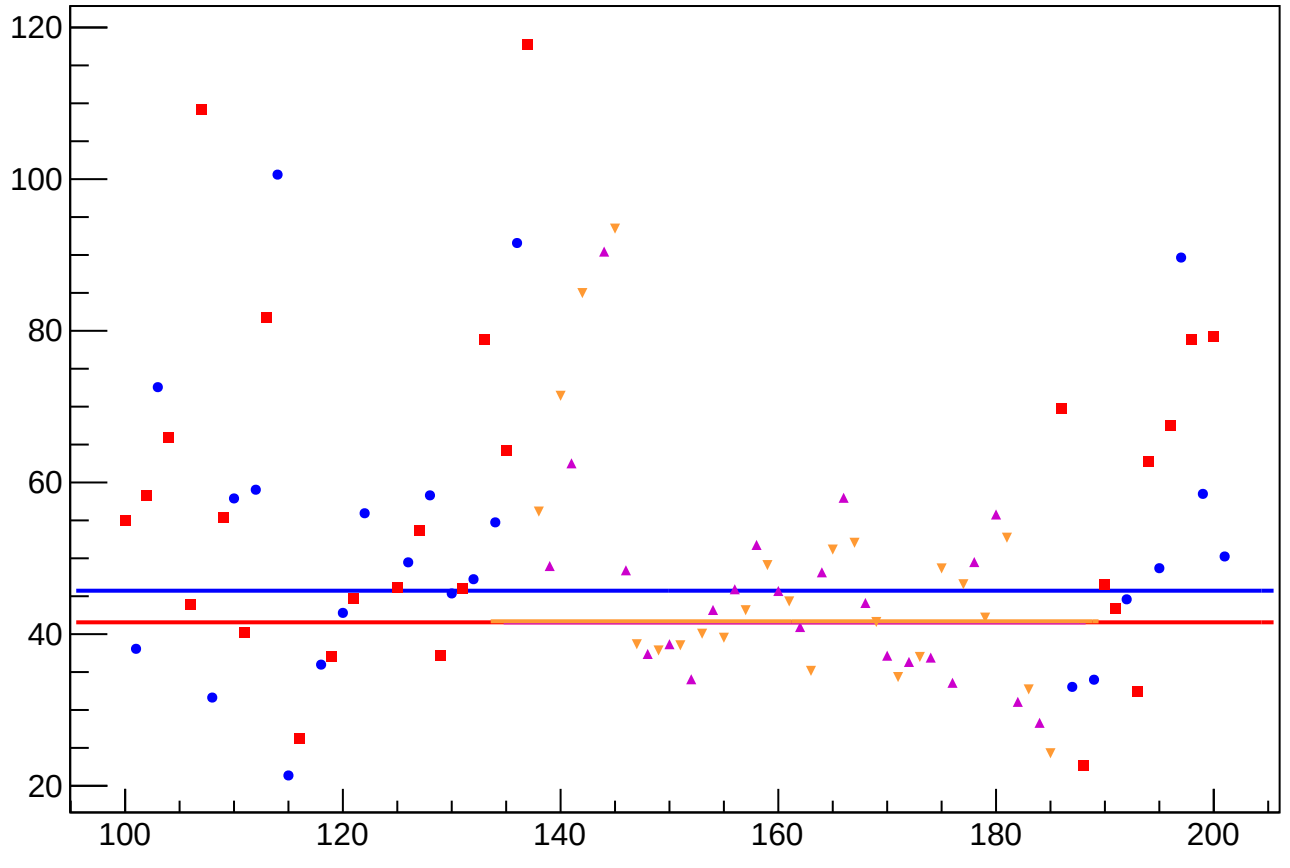
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.000+/-0.010 χ^2/NDF: 72.5/49

In: -0.008+/-0.009 χ^2/NDF:52.3/45

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.007+/-0.006 χ^2/NDF: 117.1/96



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: 41.559+/-0.009 χ^2/NDF: 3593107.5/26

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

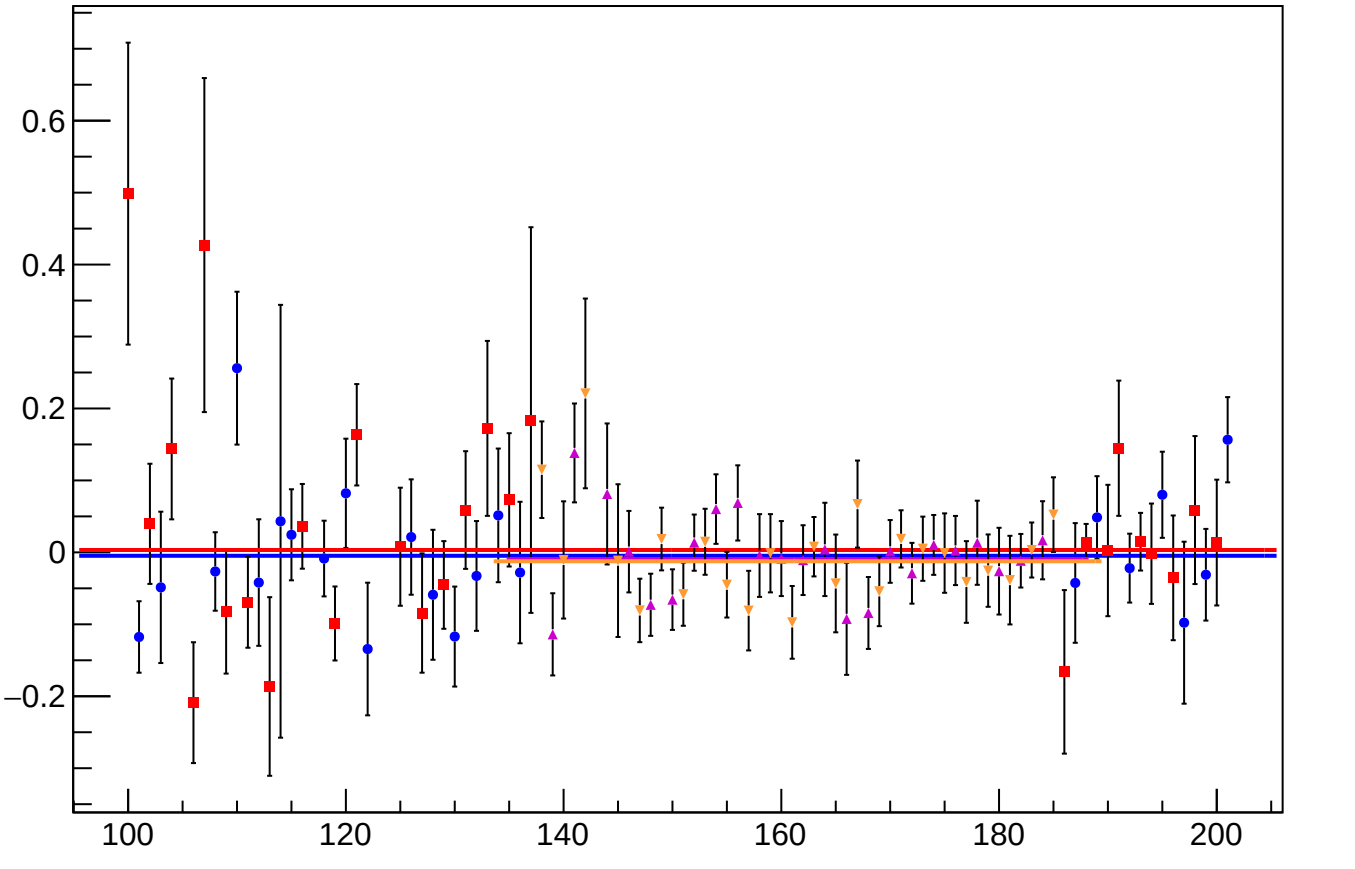
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

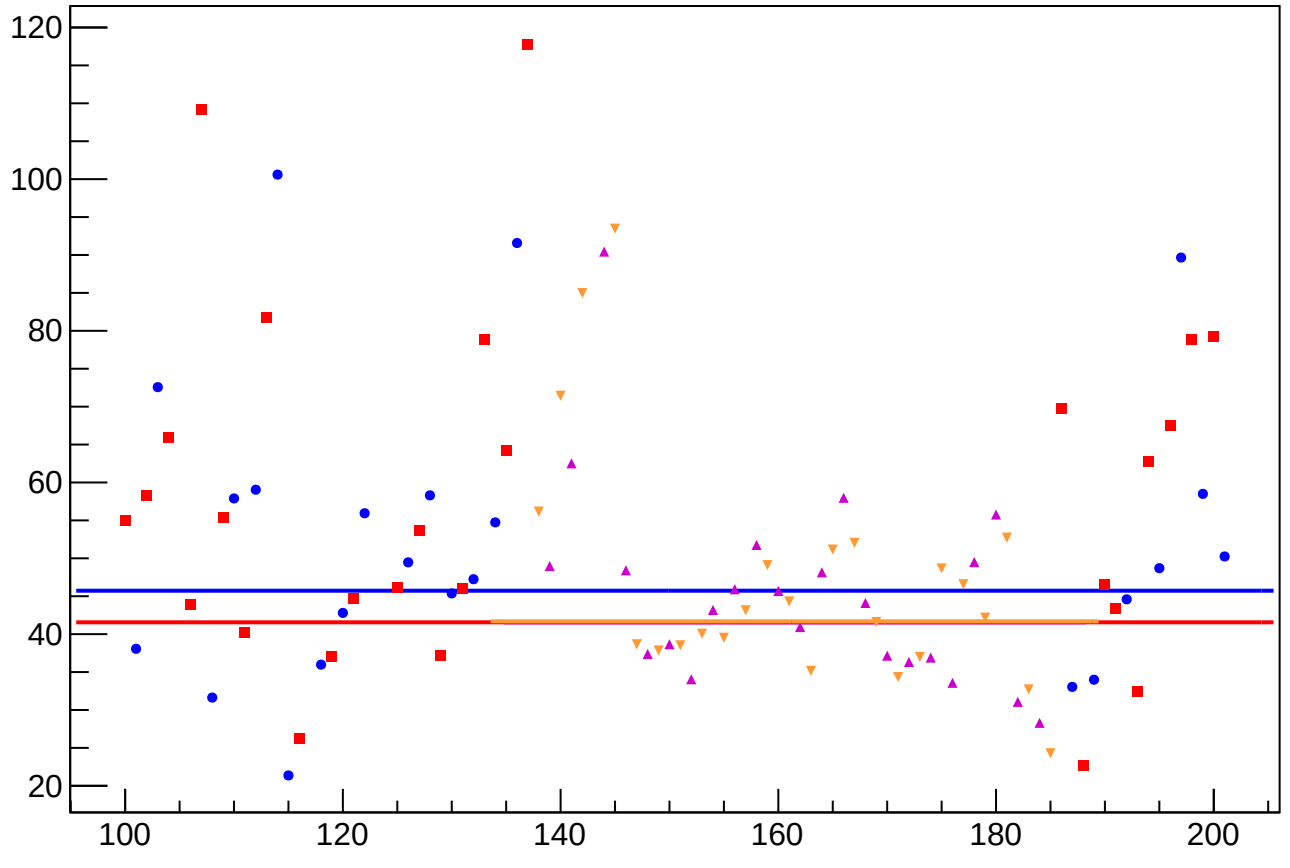
Right: 43.442+/-0.007 χ^2/NDF: 5554277.2/49

In: 42.955+/-0.006 χ^2/NDF:3593052.4/45

Out: 41.643+/-0.006 χ^2/NDF:5414988.0/50

All: 42.277+/-0.004 χ^2/NDF: 9032472.9/96


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: 0.003+/-0.013 χ²/NDF: 42.0/26
Left In: -0.009+/-0.010 χ²/NDF:21.9/22
Left: -0.011+/-0.007 χ²/NDF: 43.9/46
Right: -0.000+/-0.010 χ²/NDF: 72.5/49
In: -0.008+/-0.009 χ²/NDF:52.3/45
Out: -0.006+/-0.008 χ²/NDF:64.8/50
All: -0.007+/-0.006 χ²/NDF: 117.1/96



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: 41.559+/-0.009 χ^2/NDF: 3593107.5/26

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

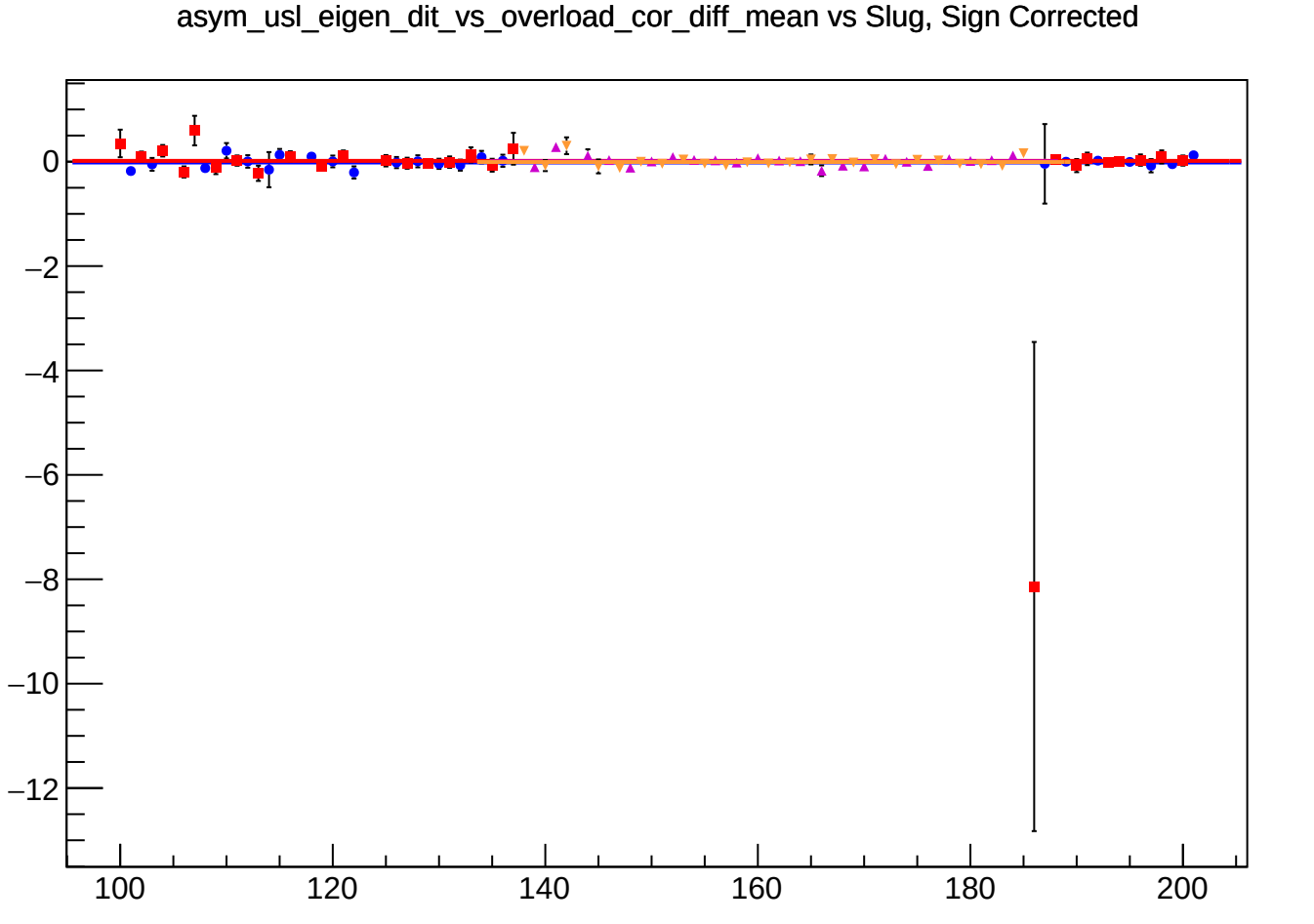
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 43.442+/-0.007 χ^2/NDF: 5554277.2/49

In: 42.955+/-0.006 χ^2/NDF:3593052.4/45

Out: 41.643+/-0.006 χ^2/NDF:5414988.0/50

All: 42.277+/-0.004 χ^2/NDF: 9032472.9/96



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: 0.015+/-0.020 χ^2/NDF: 27.2/26

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

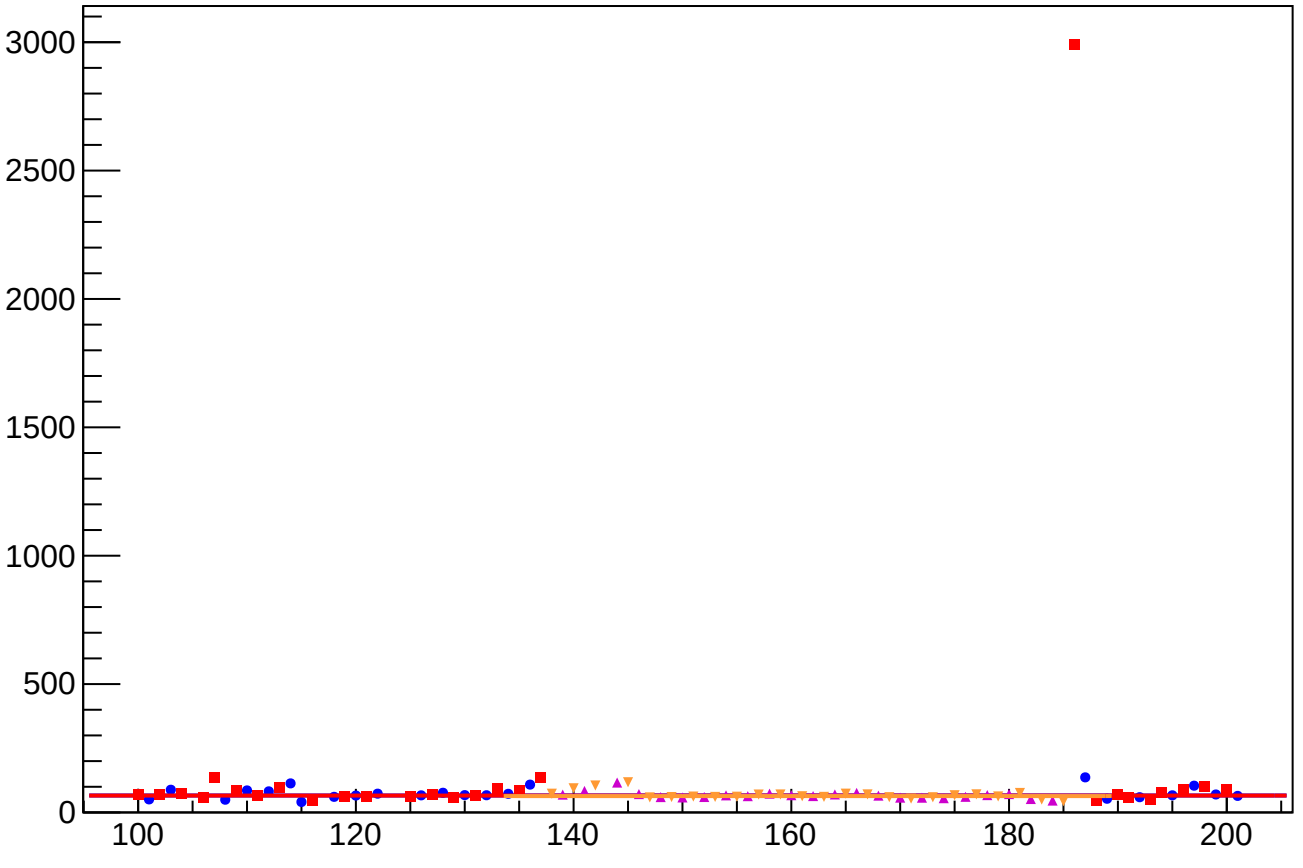
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: 0.000+/-0.014 χ^2/NDF: 50.6/49

In: -0.001+/-0.012 χ^2/NDF:51.2/45

Out: 0.002+/-0.012 χ^2/NDF:51.7/50

All: 0.000+/-0.009 χ^2/NDF: 102.9/96



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: 65.784+/-0.014 χ^2/NDF: 2275543.0/26

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

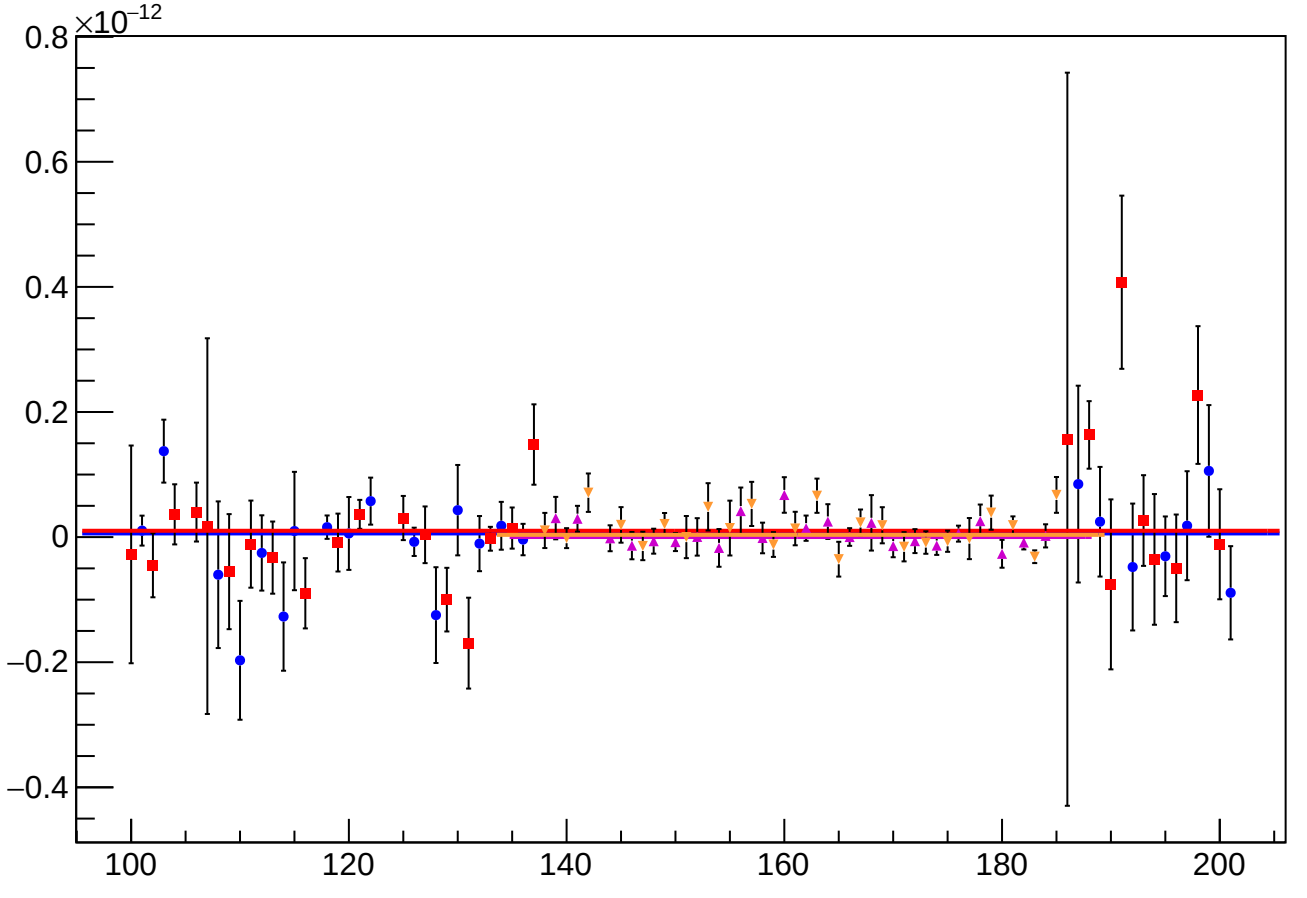
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 65.936+/-0.010 χ^2/NDF: 3316618.4/49

In: 64.794+/-0.009 χ^2/NDF:1892634.7/45

Out: 64.541+/-0.009 χ^2/NDF:3367226.5/50

All: 64.665+/-0.006 χ^2/NDF: 5260289.3/96



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: 45.3/26

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

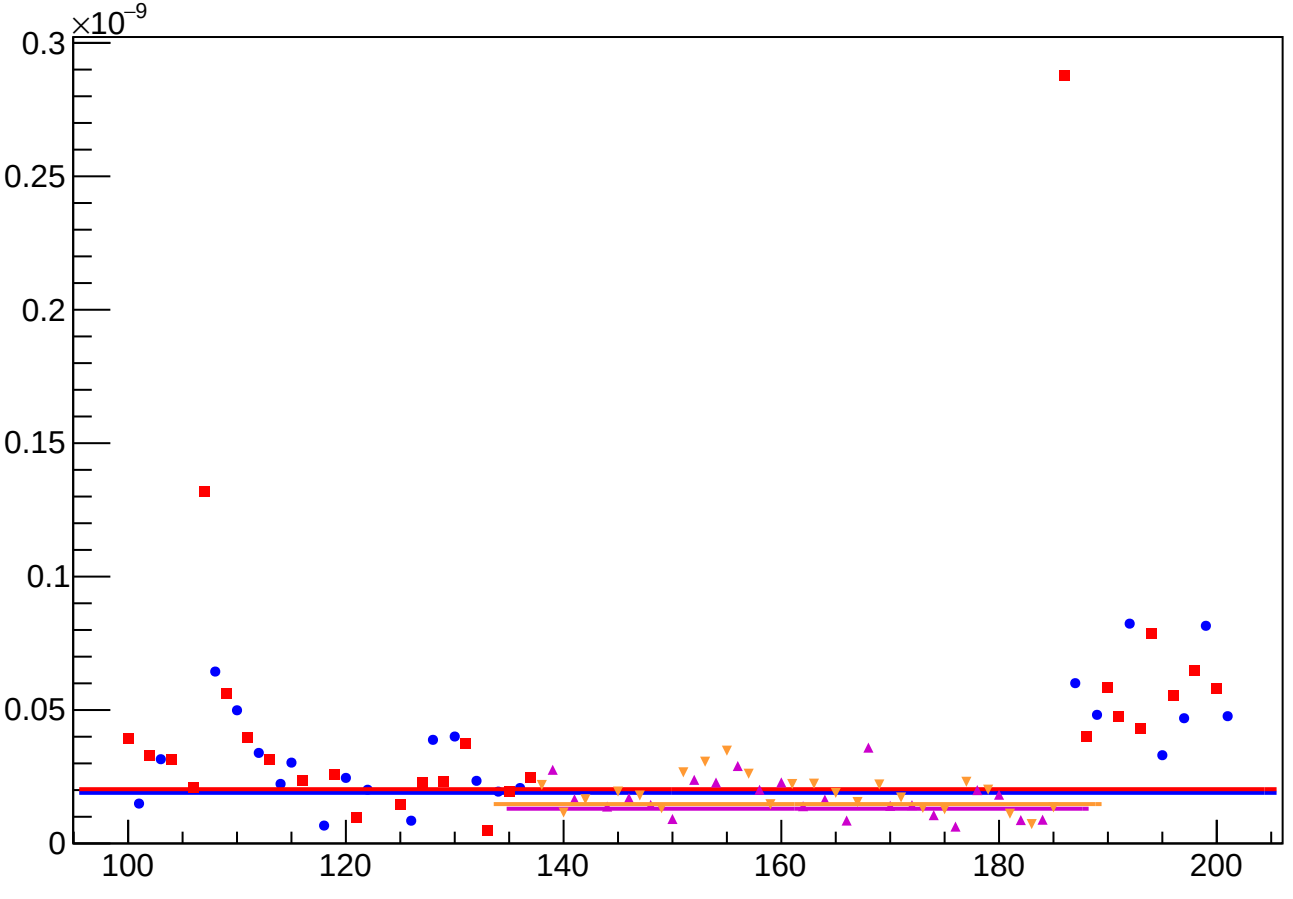
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 69.4/49

In: 0.000+/-0.000 χ^2/NDF:41.4/45

Out: 0.000+/-0.000 χ^2/NDF:86.3/50

All: 0.000+/-0.000 χ^2/NDF: 128.2/96



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: 5768302.3/26

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

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

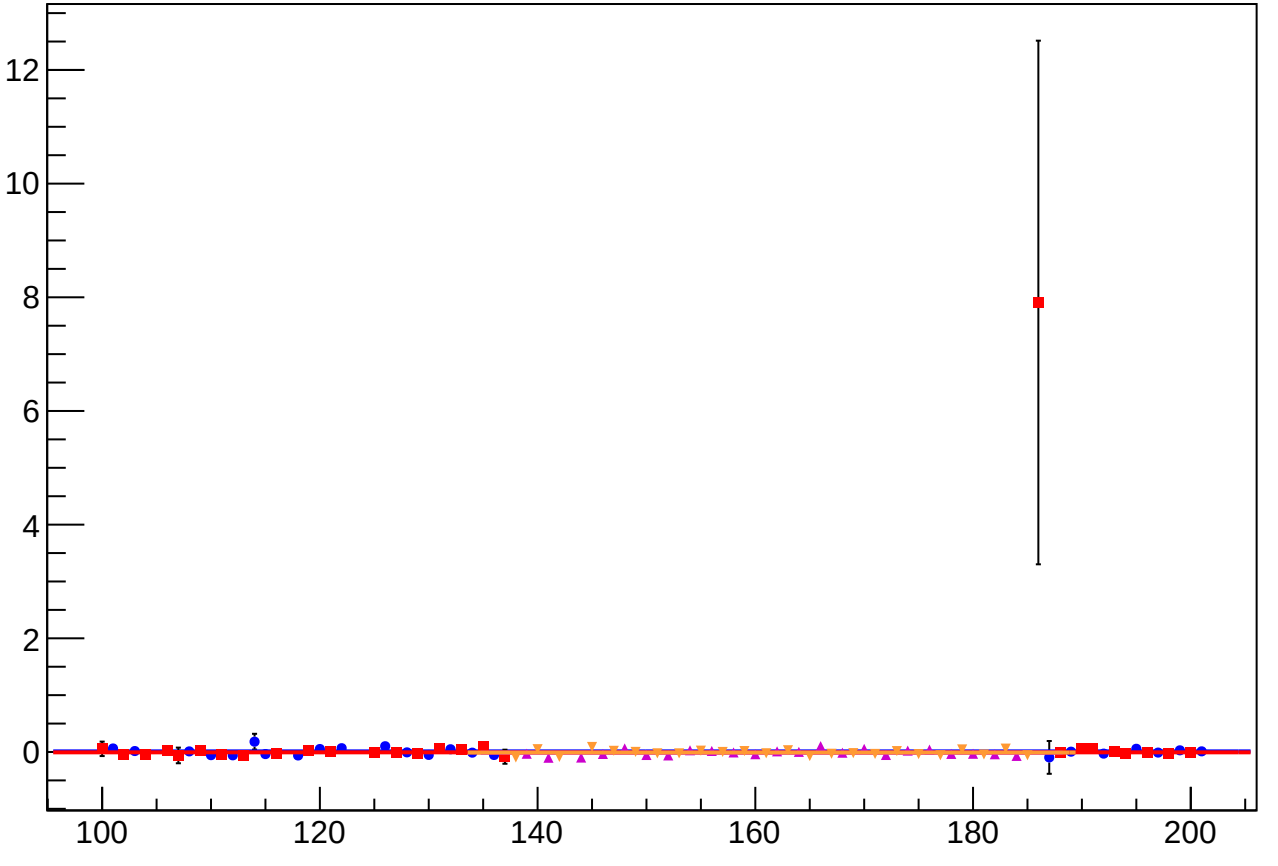
Right: 0.000+/-0.000 χ^2/NDF: 10734629.7/49

In: 0.000+/-0.000 χ^2/NDF:9616722.0/45

Out: 0.000+/-0.000 χ^2/NDF:9885763.3/50

All: 0.000+/-0.000 χ^2/NDF: 19703581.1/96

asym_usl_overload_cor_vs_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: -0.006+/-0.010 χ^2/NDF: 16.5/26

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

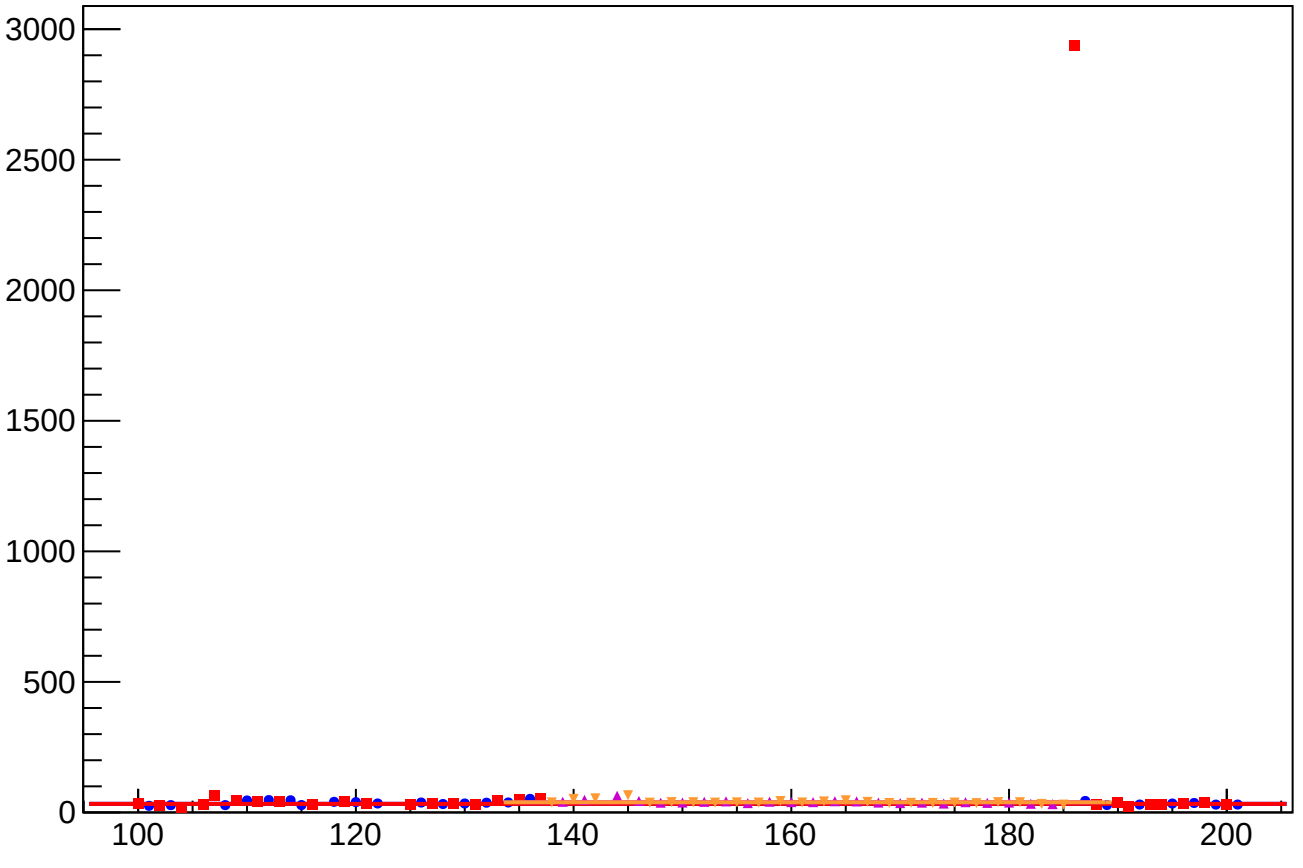
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.002+/-0.007 χ^2/NDF: 36.4/49

In: -0.001+/-0.007 χ^2/NDF:44.2/45

Out: -0.008+/-0.007 χ^2/NDF:36.0/50

All: -0.004+/-0.005 χ^2/NDF: 80.7/96



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: 32.861+/-0.007 χ^2/NDF: 1843580.5/26

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

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

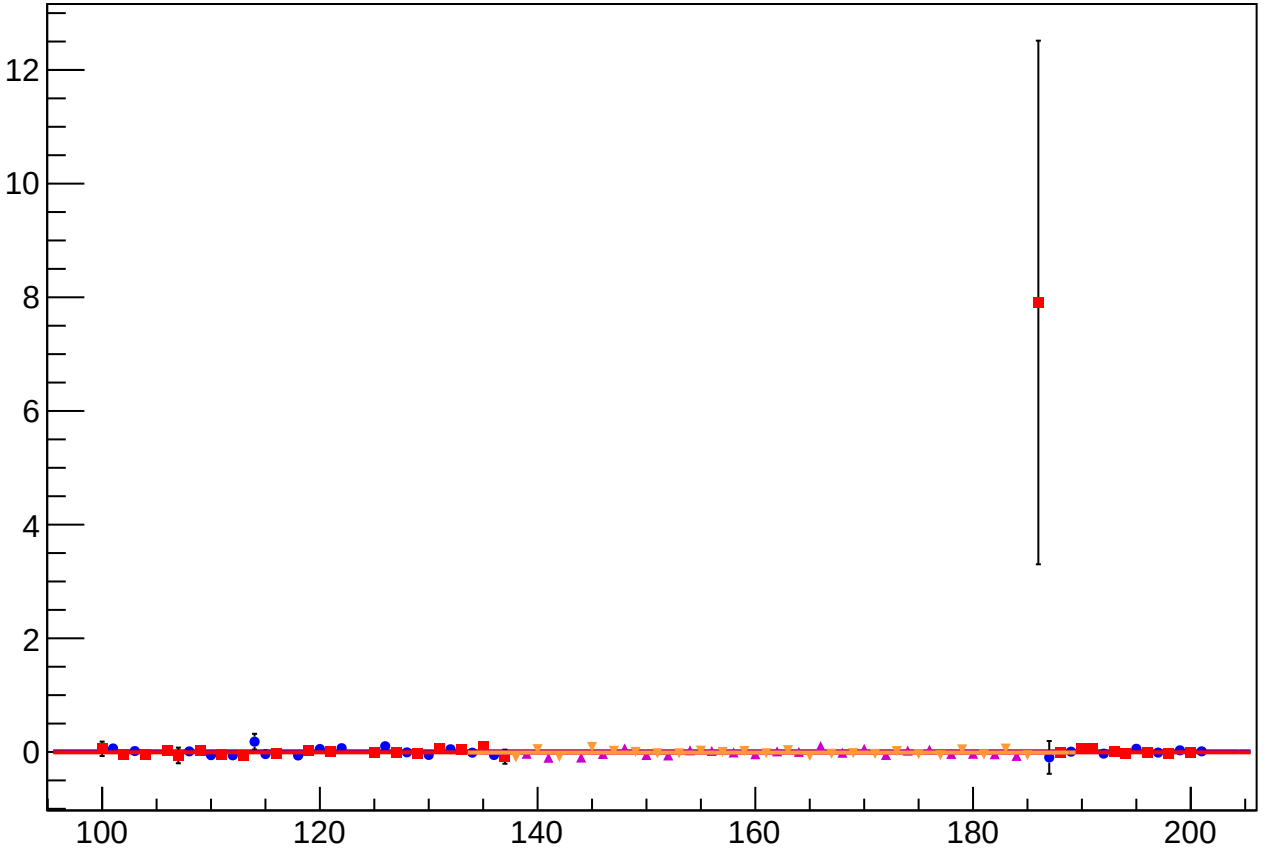
Right: 32.932+/-0.005 χ^2/NDF: 2575904.1/49

In: 36.250+/-0.005 χ^2/NDF:1649329.8/45

Out: 35.992+/-0.005 χ^2/NDF:2874780.4/50

All: 36.118+/-0.003 χ^2/NDF: 4525532.3/96

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: -0.006+/-0.010 χ^2/NDF: 16.5/26

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

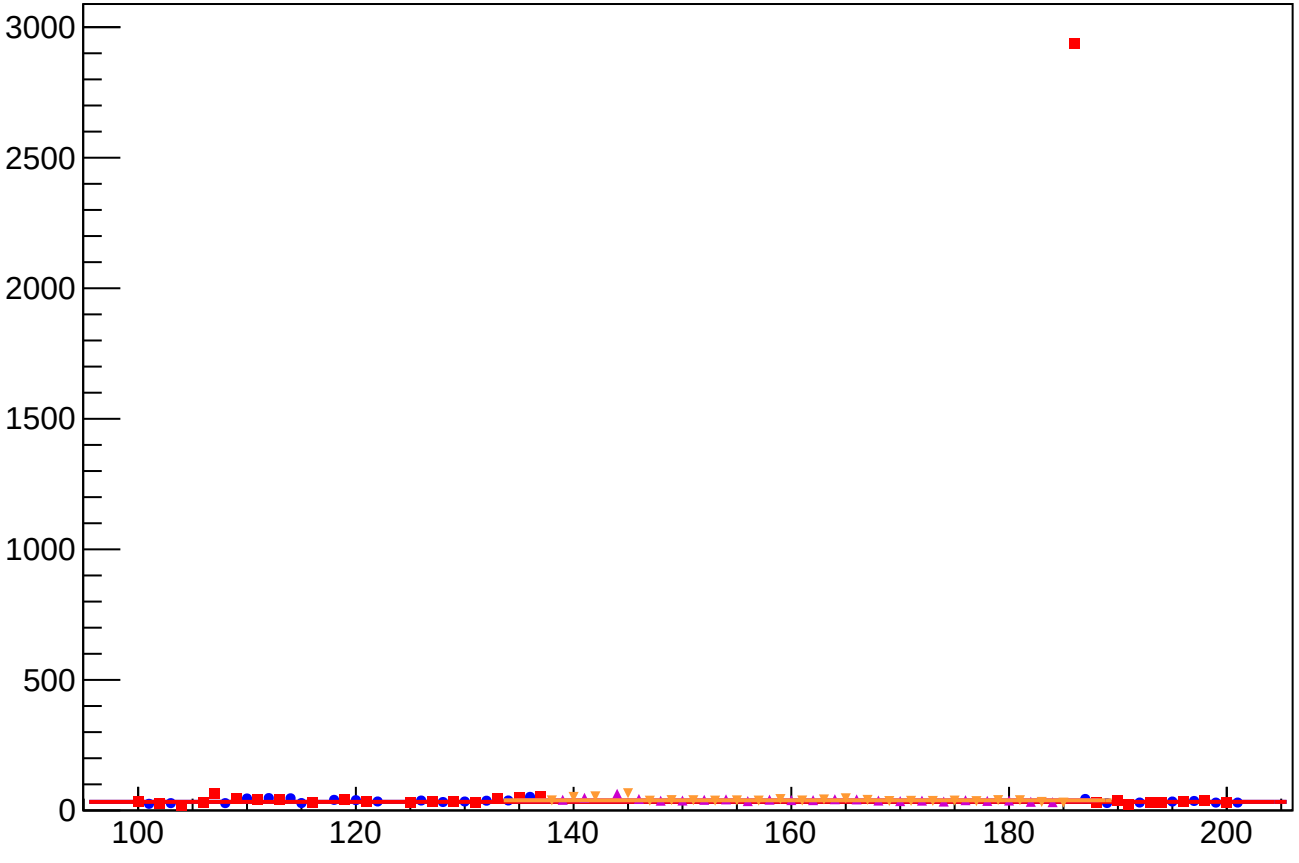
Right: 0.002+/-0.007 χ^2/NDF: 36.4/49

In: -0.001+/-0.007 χ^2/NDF:44.2/45

Out: -0.008+/-0.007 χ^2/NDF:36.0/50

All: -0.004+/-0.005 χ^2/NDF: 80.7/96

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: 32.861+/-0.007 χ^2/NDF: 1843580.5/26

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

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

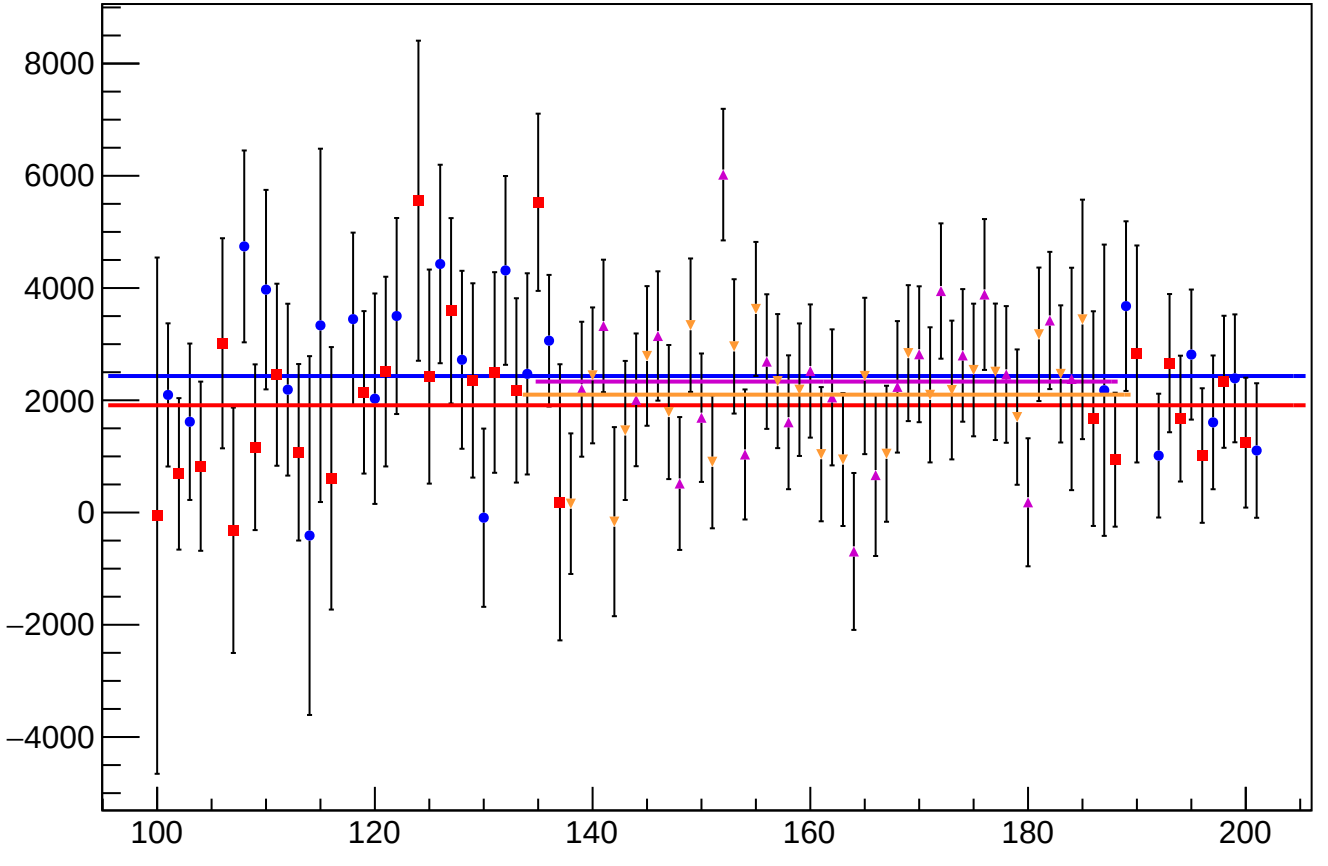
Right: 32.932+/-0.005 χ^2/NDF: 2575904.1/49

In: 36.250+/-0.005 χ^2/NDF:1649329.8/45

Out: 35.992+/-0.005 χ^2/NDF:2874780.4/50

All: 36.118+/-0.003 χ^2/NDF: 4525532.3/96

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: 1911.174+/-301.561 χ^2/NDF: 15.0/26

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

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

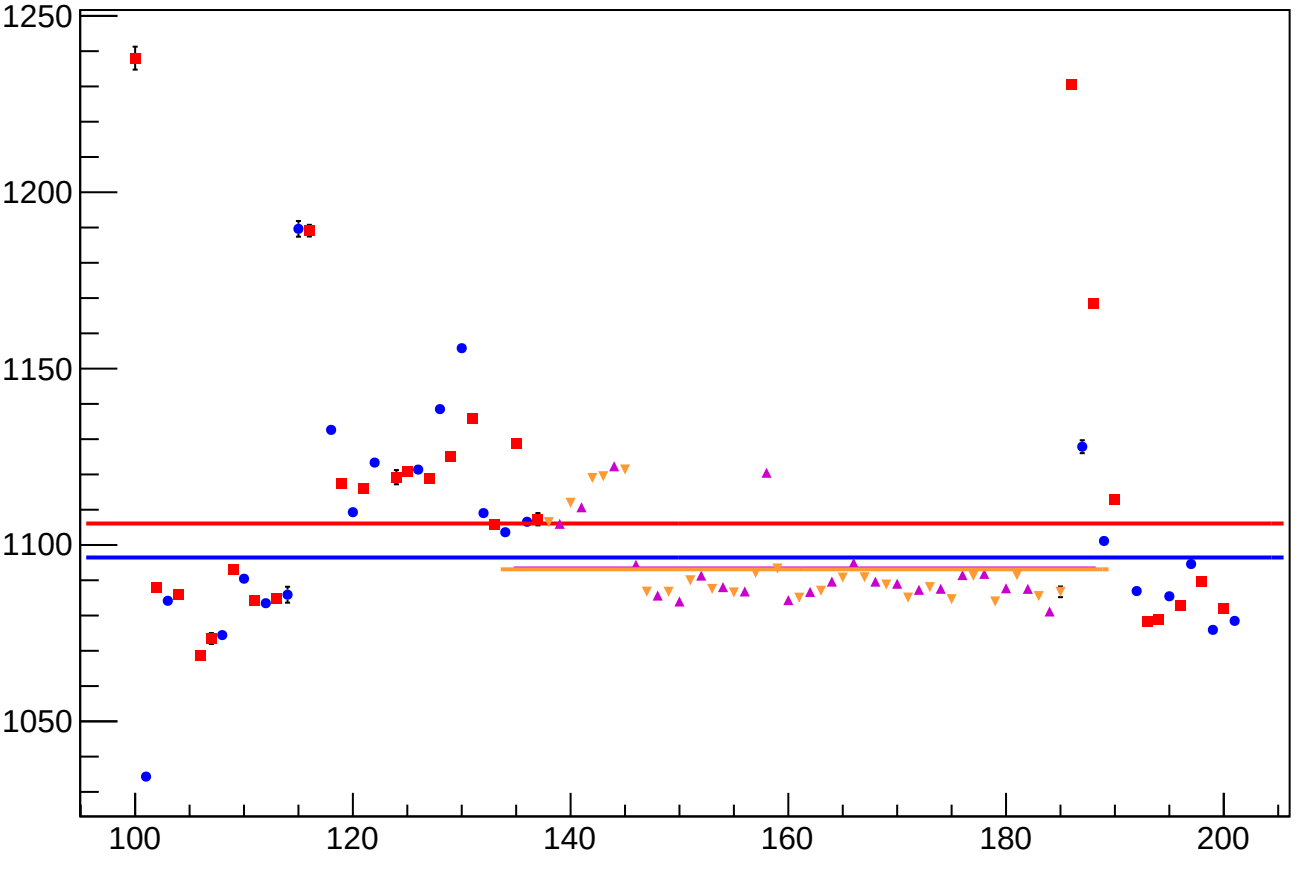
Right: 2162.883+/-216.813 χ^2/NDF: 30.8/49

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2023.942+/-191.687 χ^2/NDF:29.1/51

All: 2193.093+/-137.573 χ^2/NDF: 74.5/97

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: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

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

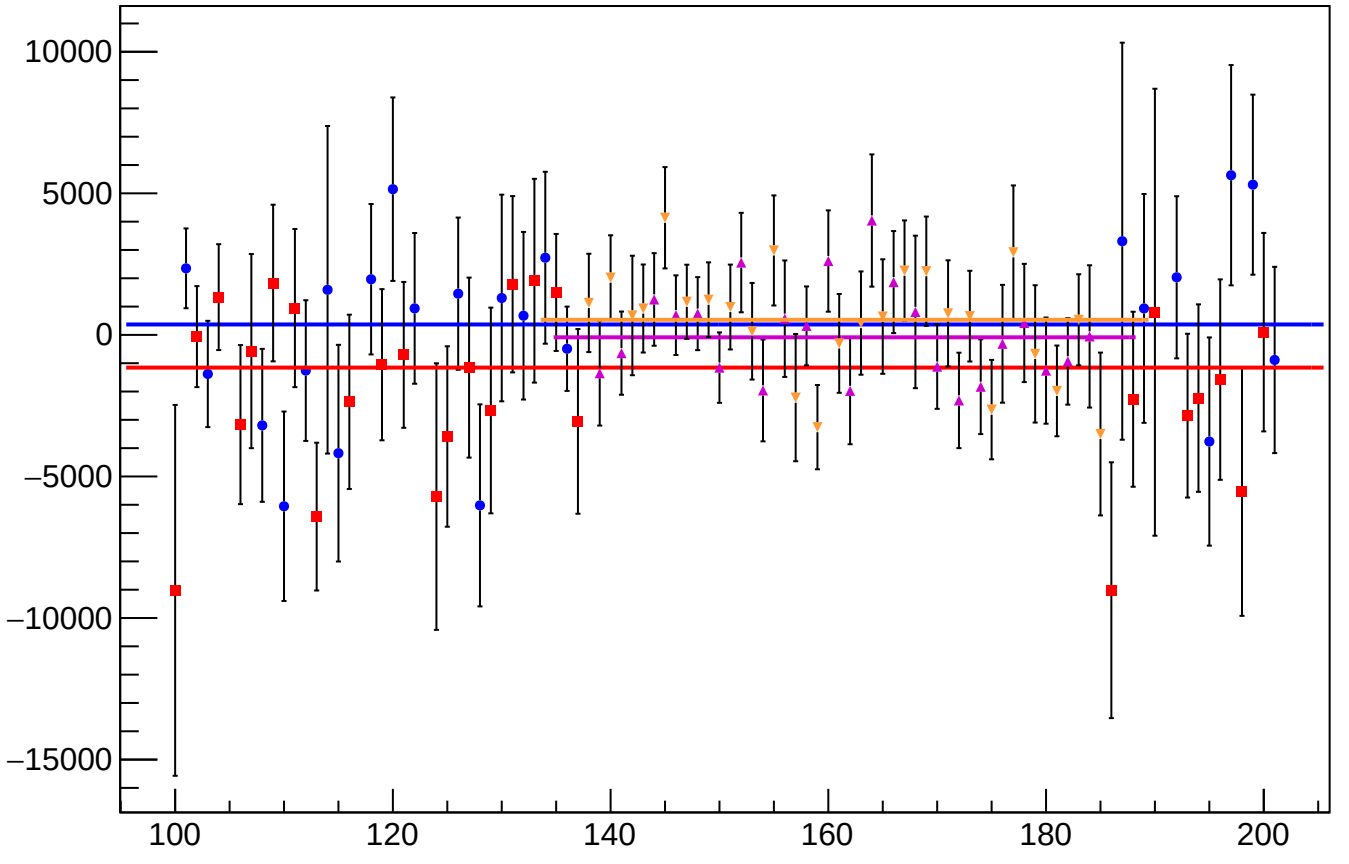
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1101.435+/-0.153 χ^2/NDF: 43314.6/49

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1098.350+/-0.136 χ^2/NDF:33046.5/51

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97



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: -1154.771+/-571.823 χ^2/NDF: 20.2/26

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

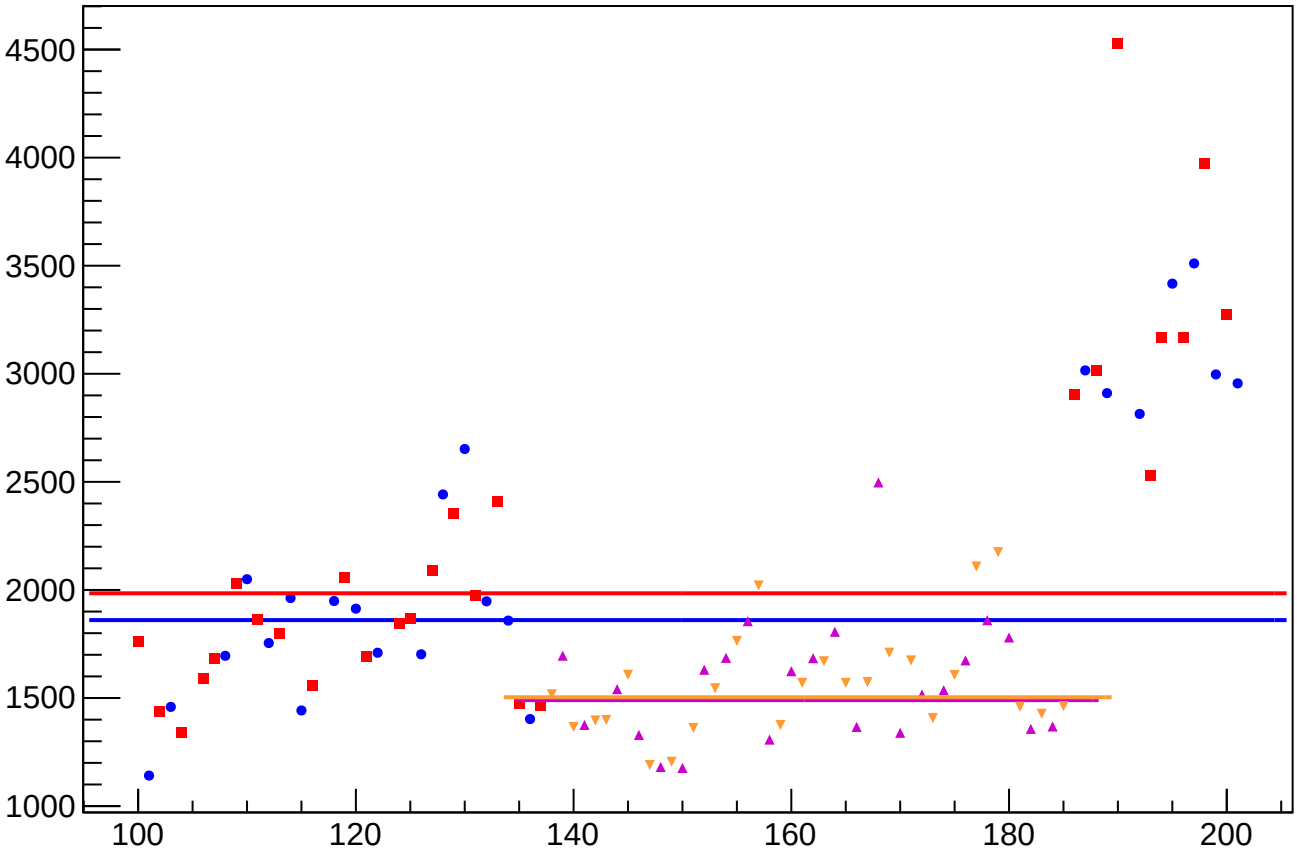
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -381.681+/-401.262 χ^2/NDF: 47.1/49

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 60.880+/-210.875 χ^2/NDF: 94.9/97



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: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

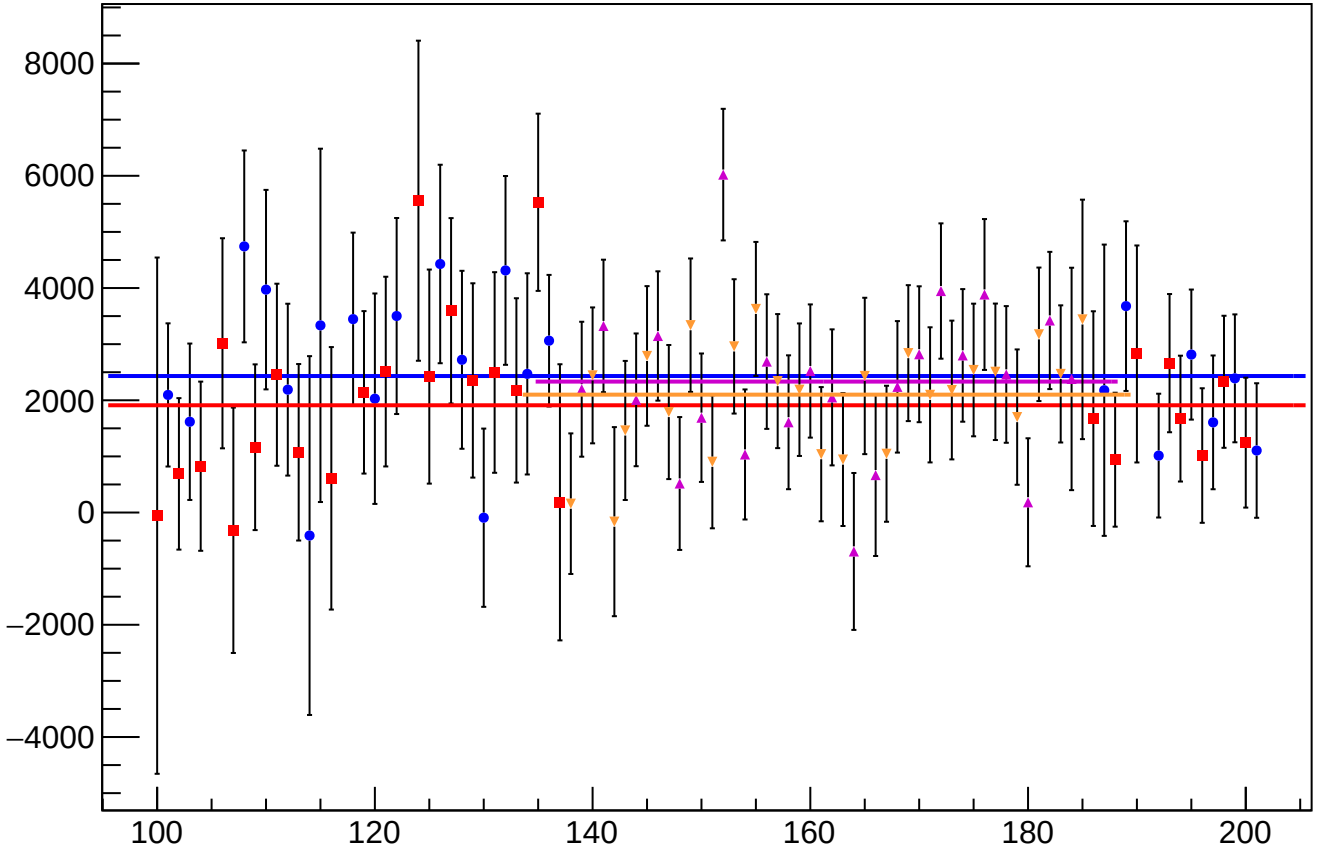
Right: 1921.572+/-0.284 χ^2/NDF: 5199230.5/49

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1633.023+/-0.210 χ^2/NDF:4370345.5/51

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97

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: 1911.174+/-301.561 χ^2/NDF: 15.0/26

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

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

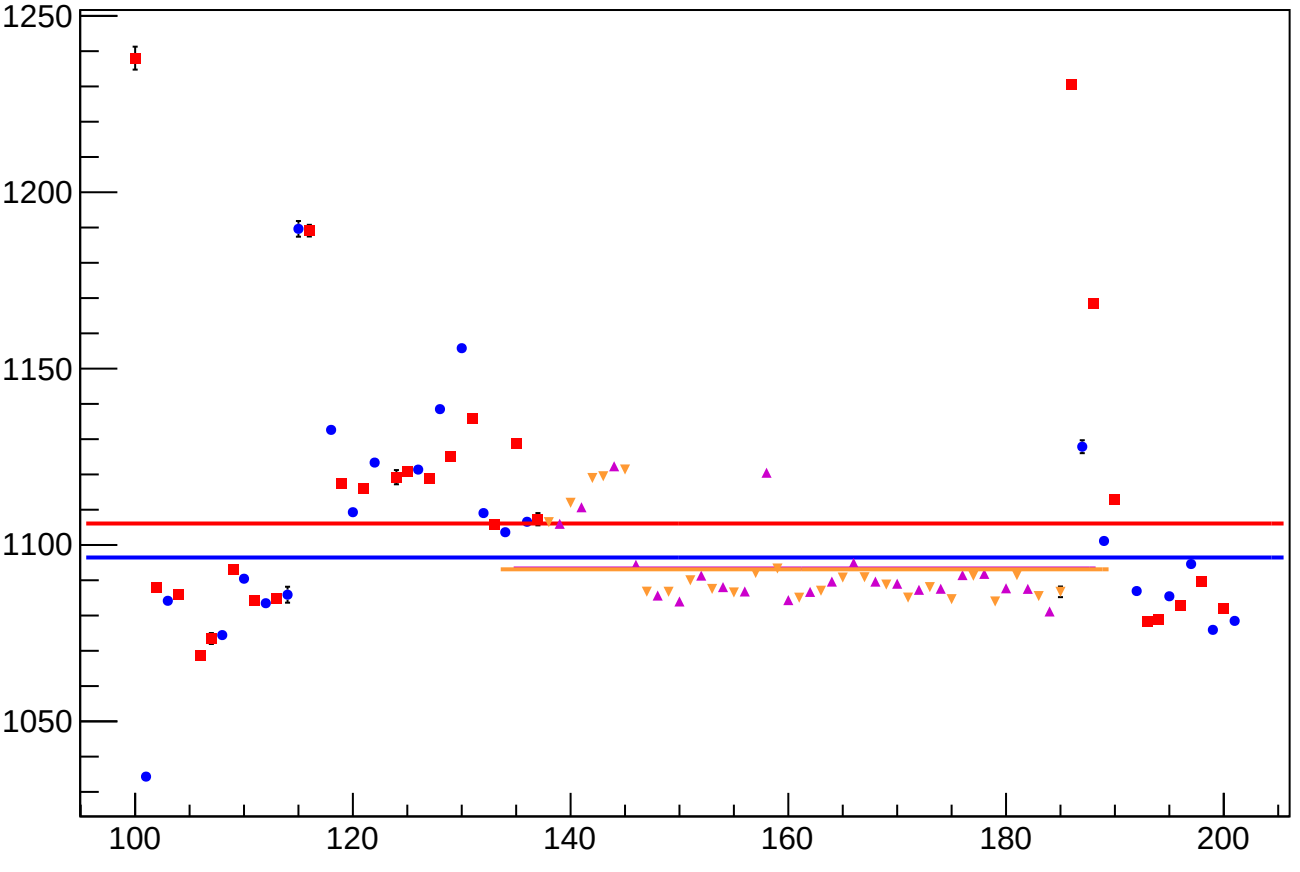
Right: 2162.883+/-216.813 χ^2/NDF: 30.8/49

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2023.942+/-191.687 χ^2/NDF:29.1/51

All: 2193.093+/-137.573 χ^2/NDF: 74.5/97

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: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

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

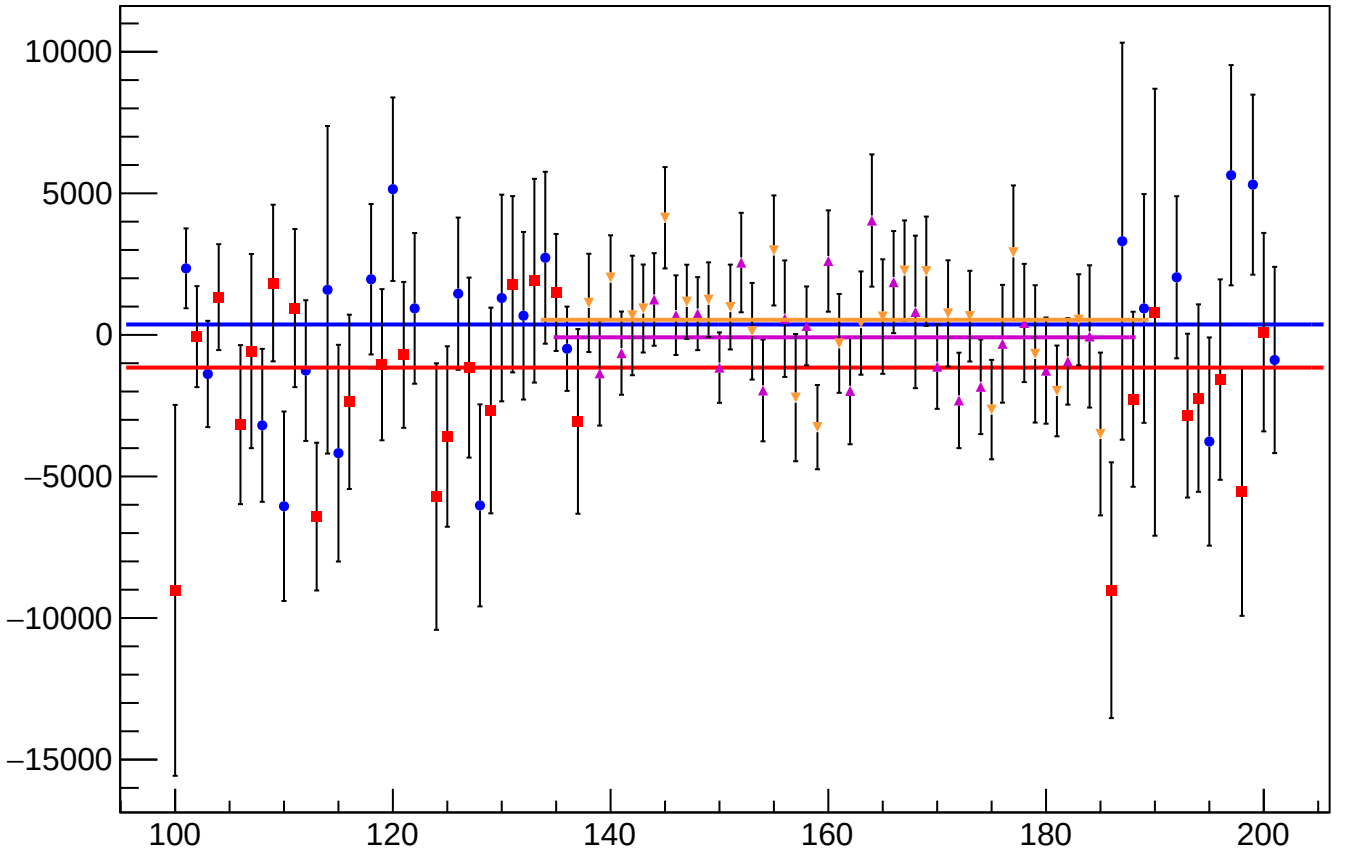
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1101.435+/-0.153 χ^2/NDF: 43314.6/49

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1098.350+/-0.136 χ^2/NDF:33046.5/51

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97



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: -1154.771+/-571.823 χ^2/NDF: 20.2/26

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

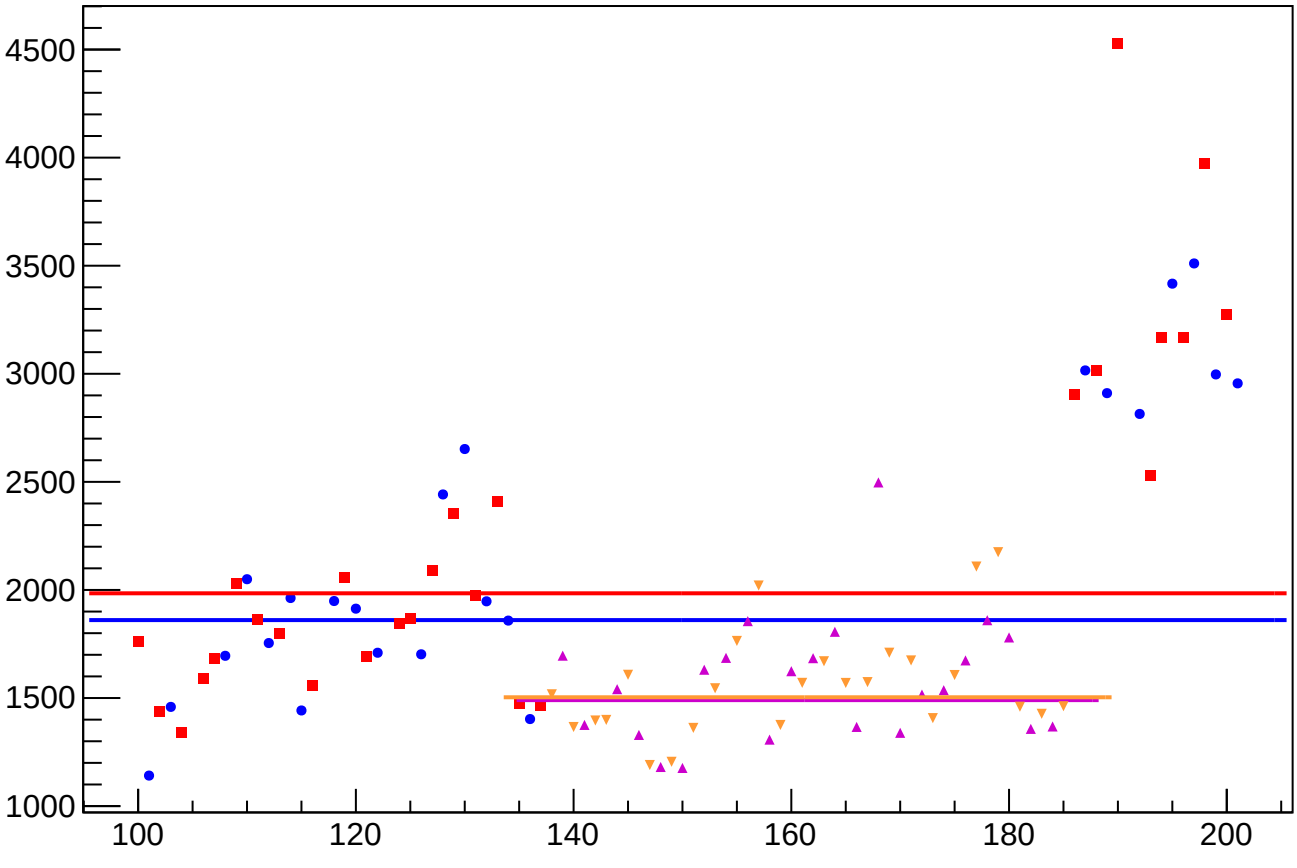
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -381.681+/-401.262 χ^2/NDF: 47.1/49

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 60.880+/-210.875 χ^2/NDF: 94.9/97



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: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

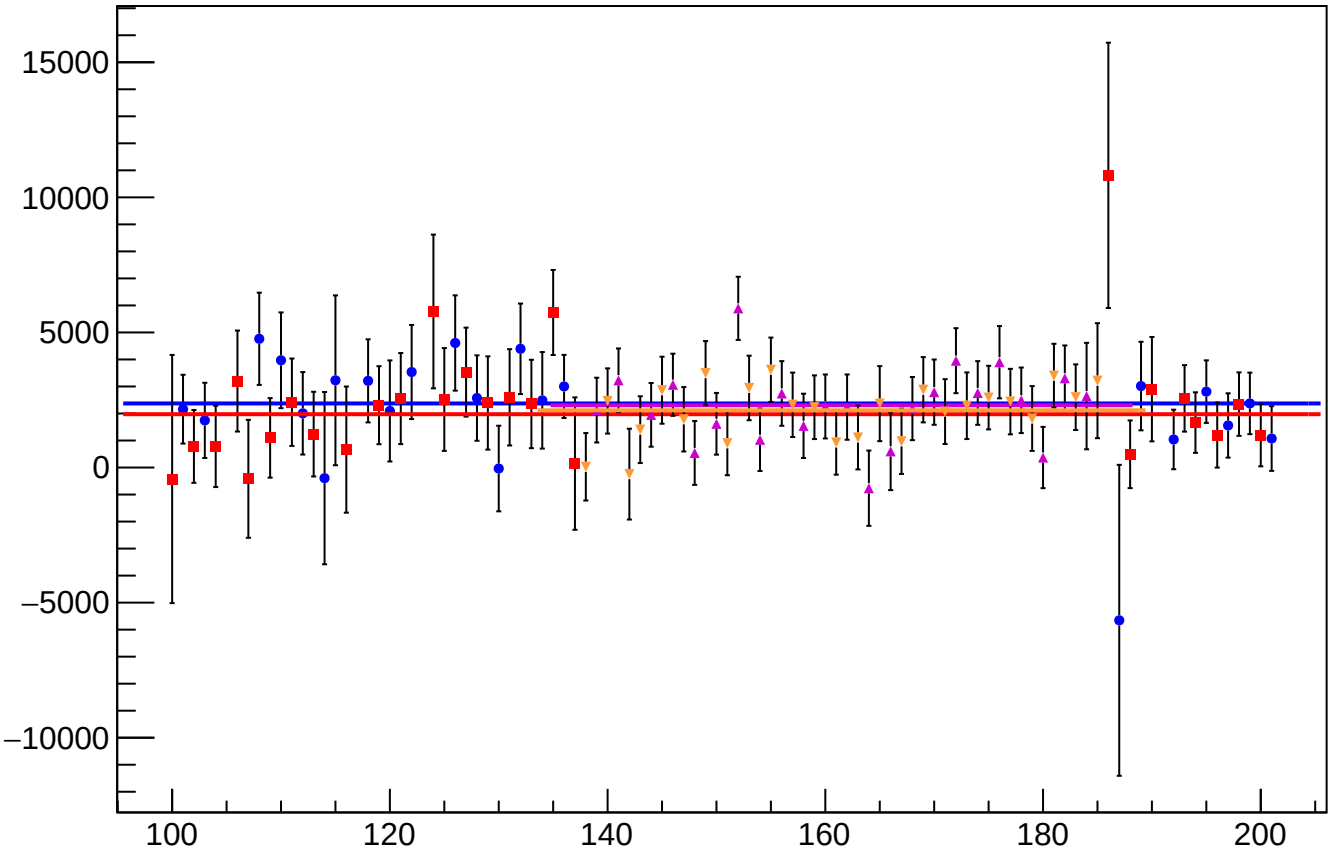
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1921.572+/-0.284 χ^2/NDF: 5199230.5/49

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1633.023+/-0.210 χ^2/NDF:4370345.5/51

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97



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: 1973.948+/-305.280 χ^2/NDF: 19.9/26

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

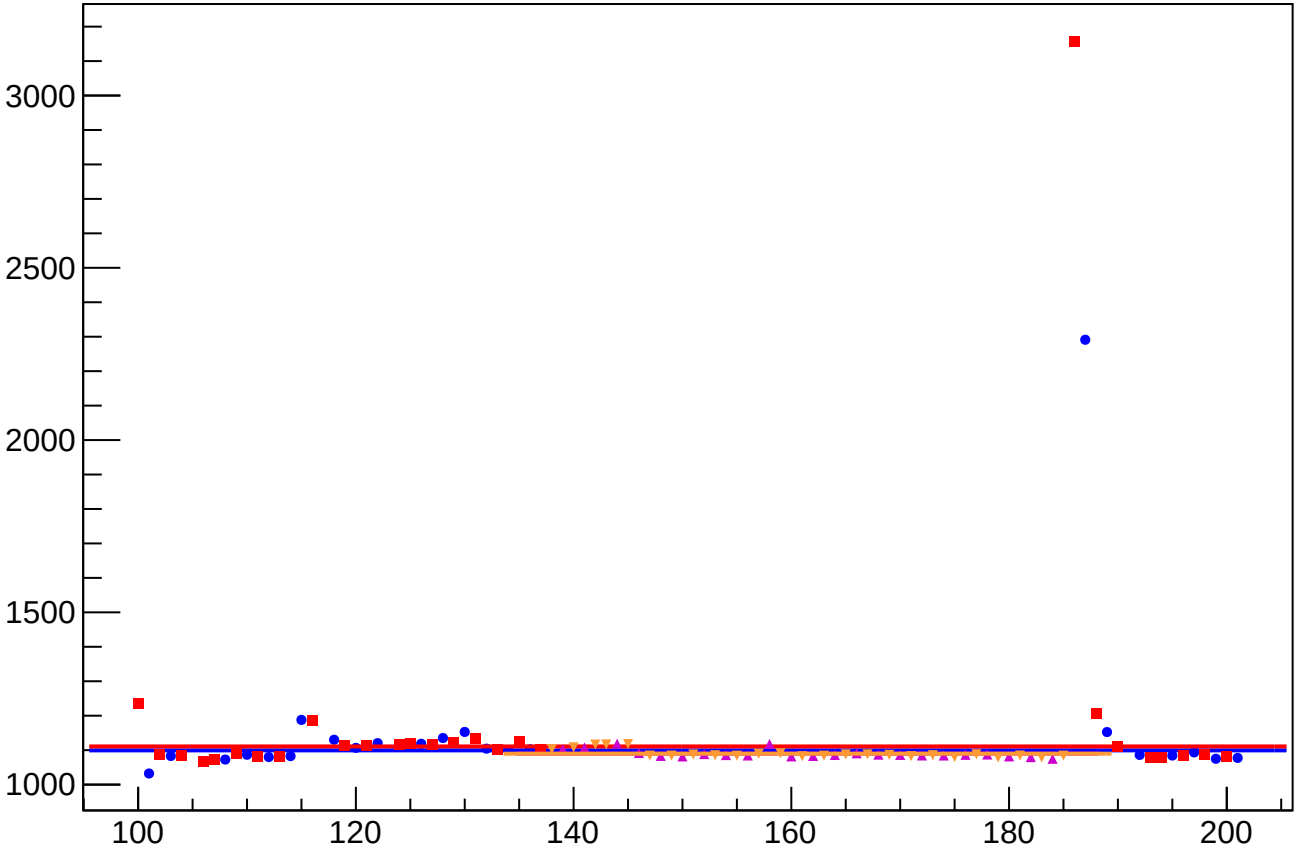
Right: 2167.167+/-218.941 χ^2/NDF: 36.4/49

In: 2331.716+/-197.754 χ^2/NDF:44.2/45

Out: 2062.047+/-192.275 χ^2/NDF:35.1/51

All: 2193.094+/-137.855 χ^2/NDF: 80.3/97

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: 1110.804+/-0.216 χ^2/NDF: 373546.3/26

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

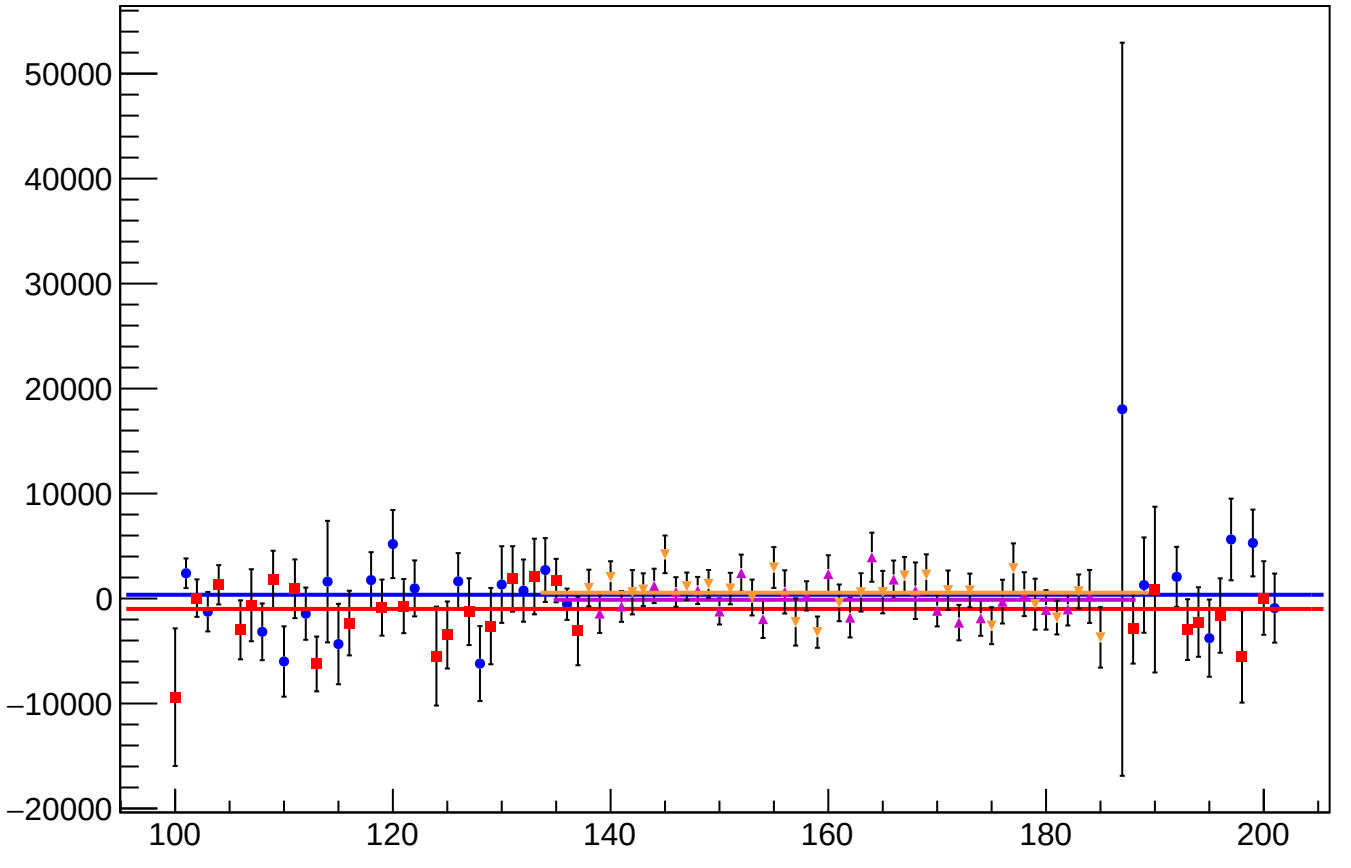
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1105.236+/-0.155 χ^2/NDF: 478137.1/49

In: 1093.679+/-0.140 χ^2/NDF:108192.6/45

Out: 1098.098+/-0.136 χ^2/NDF:383346.3/51

All: 1095.951+/-0.097 χ^2/NDF: 492052.3/97



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: -991.263+/-578.360 χ^2/NDF: 17.3/25

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

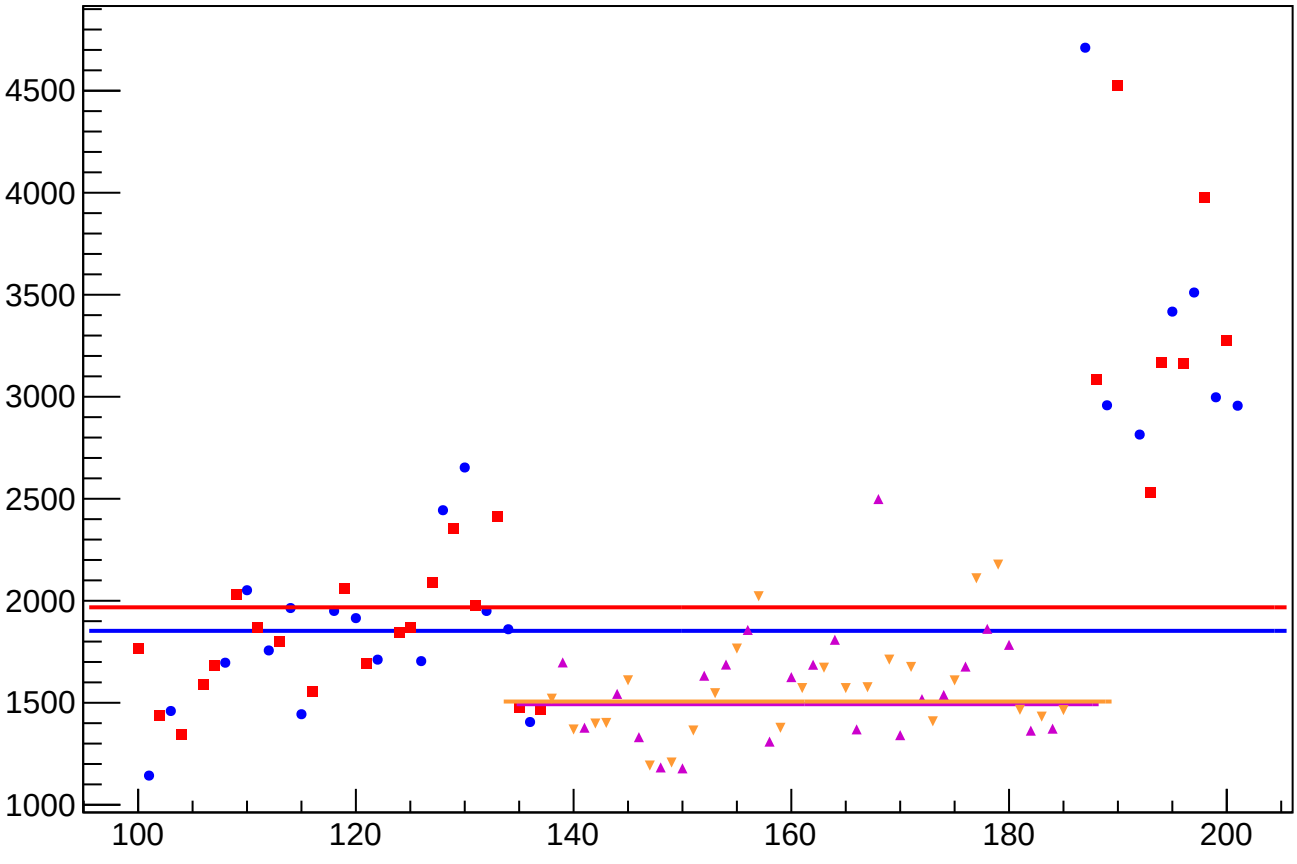
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -302.992+/-404.787 χ^2/NDF: 43.8/48

In: 13.395+/-300.569 χ^2/NDF:41.3/45

Out: 143.402+/-298.066 χ^2/NDF:48.7/50

All: 78.943+/-211.644 χ^2/NDF: 90.1/96



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: 1967.941+/-0.409 χ^2/NDF: 2437941.0/25

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

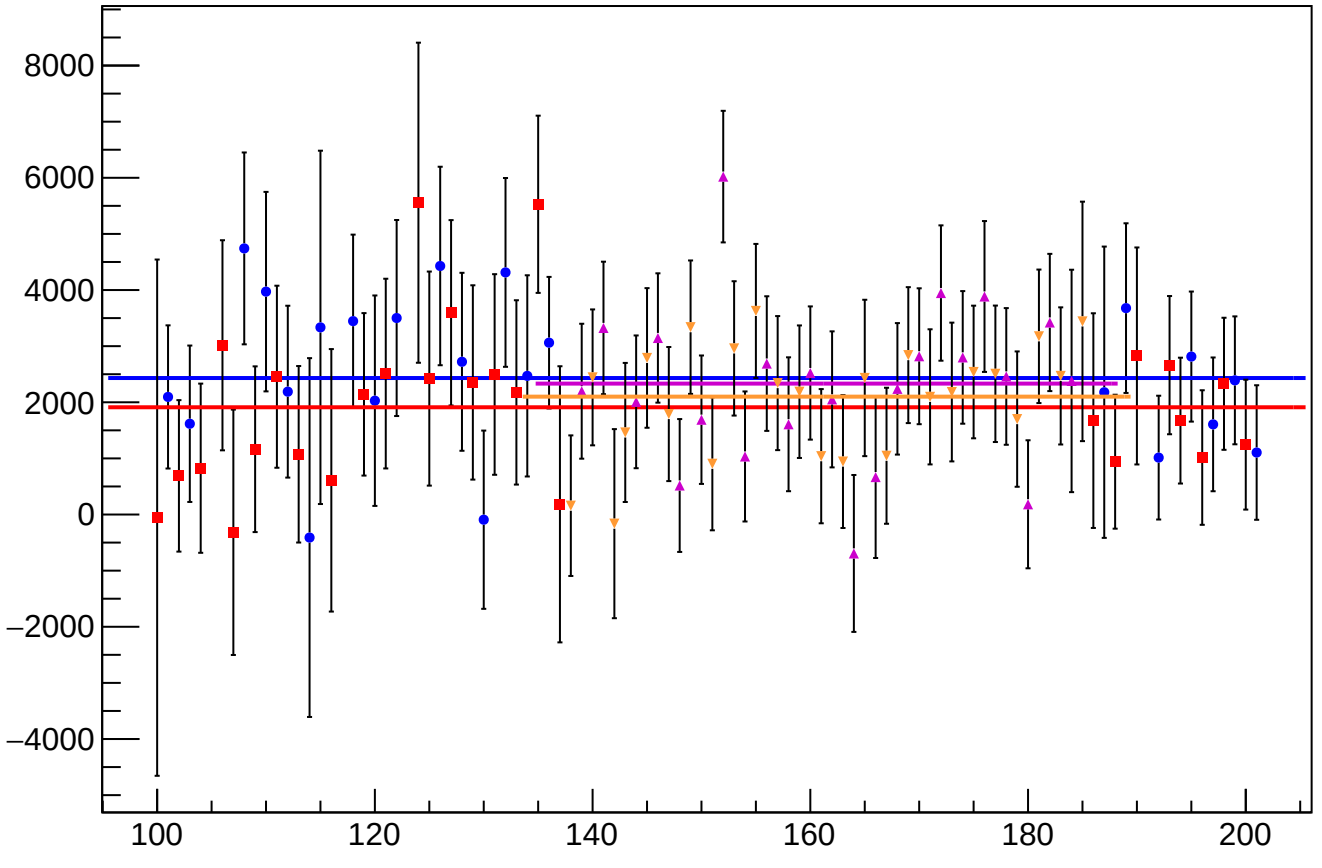
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1909.083+/-0.286 χ^2/NDF: 5026334.5/48

In: 1594.123+/-0.213 χ^2/NDF:4090863.2/45

Out: 1628.767+/-0.211 χ^2/NDF:4170924.9/50

All: 1611.590+/-0.150 χ^2/NDF: 8275184.1/96



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: 1911.174+/-301.561 χ^2/NDF: 15.0/26

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

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

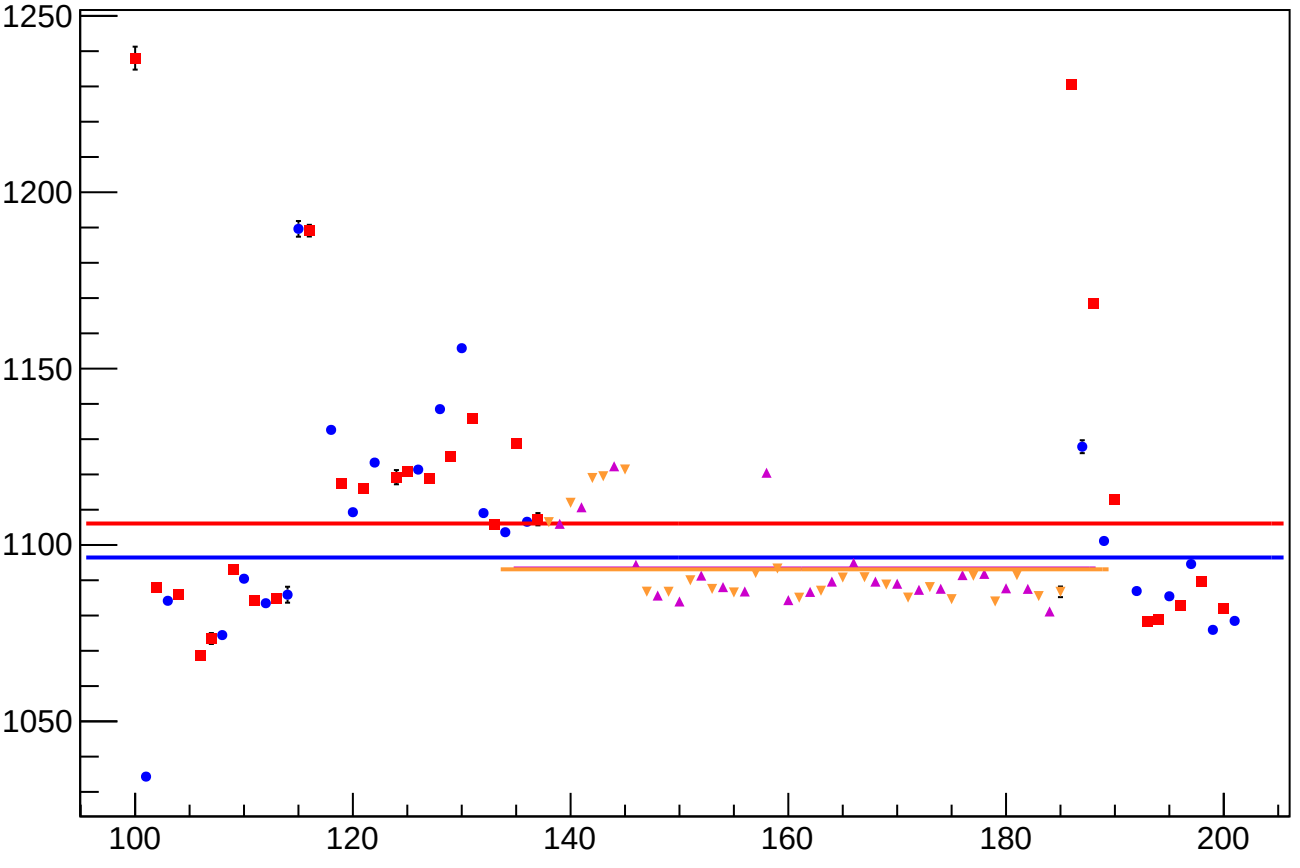
Right: 2162.883+/-216.813 χ^2/NDF: 30.8/49

In: 2372.769+/-197.561 χ^2/NDF:43.8/45

Out: 2023.942+/-191.687 χ^2/NDF:29.1/51

All: 2193.093+/-137.573 χ^2/NDF: 74.5/97

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: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

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

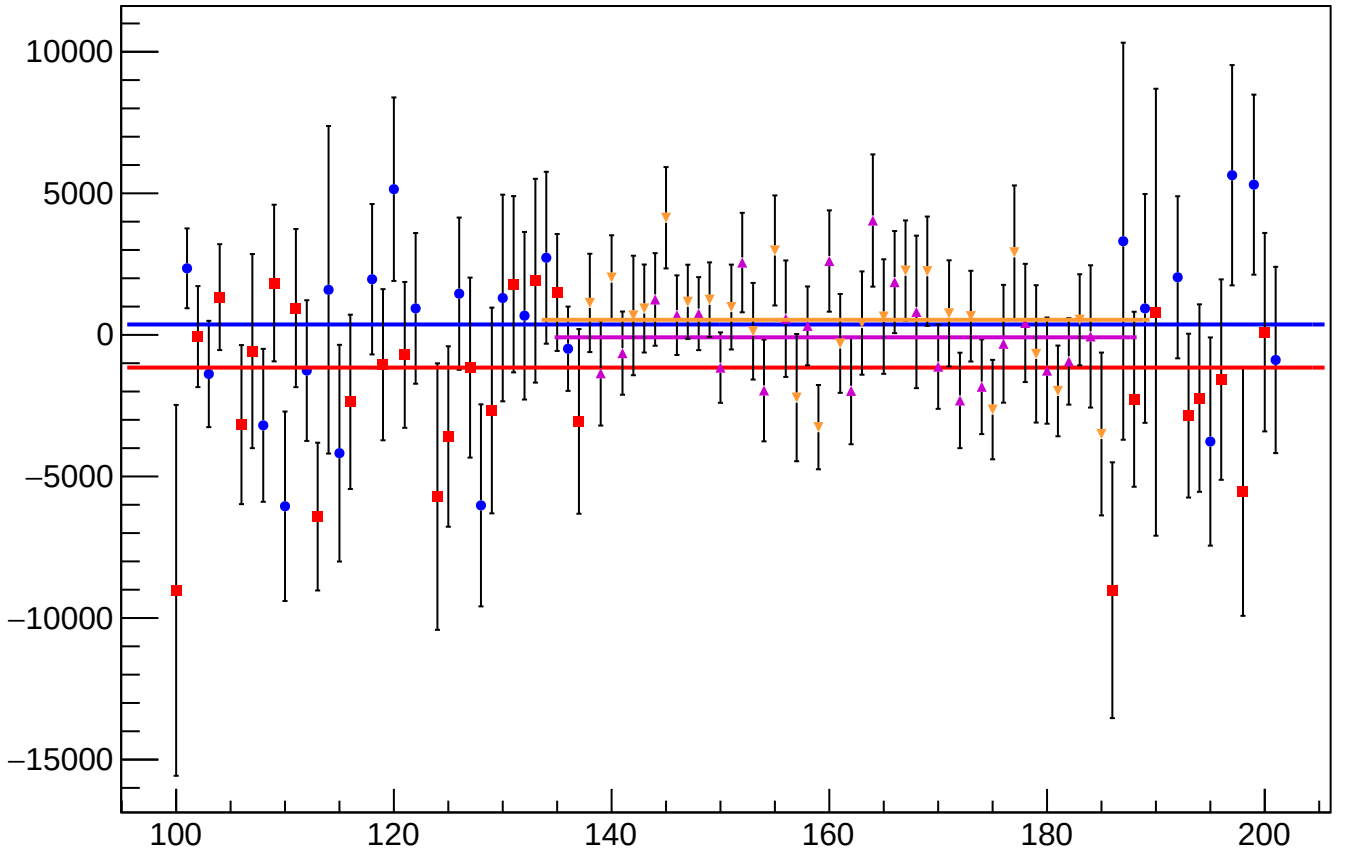
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1101.435+/-0.153 χ^2/NDF: 43314.6/49

In: 1094.588+/-0.140 χ^2/NDF:19320.7/45

Out: 1098.350+/-0.136 χ^2/NDF:33046.5/51

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97



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: -1154.771+/-571.823 χ^2/NDF: 20.2/26

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

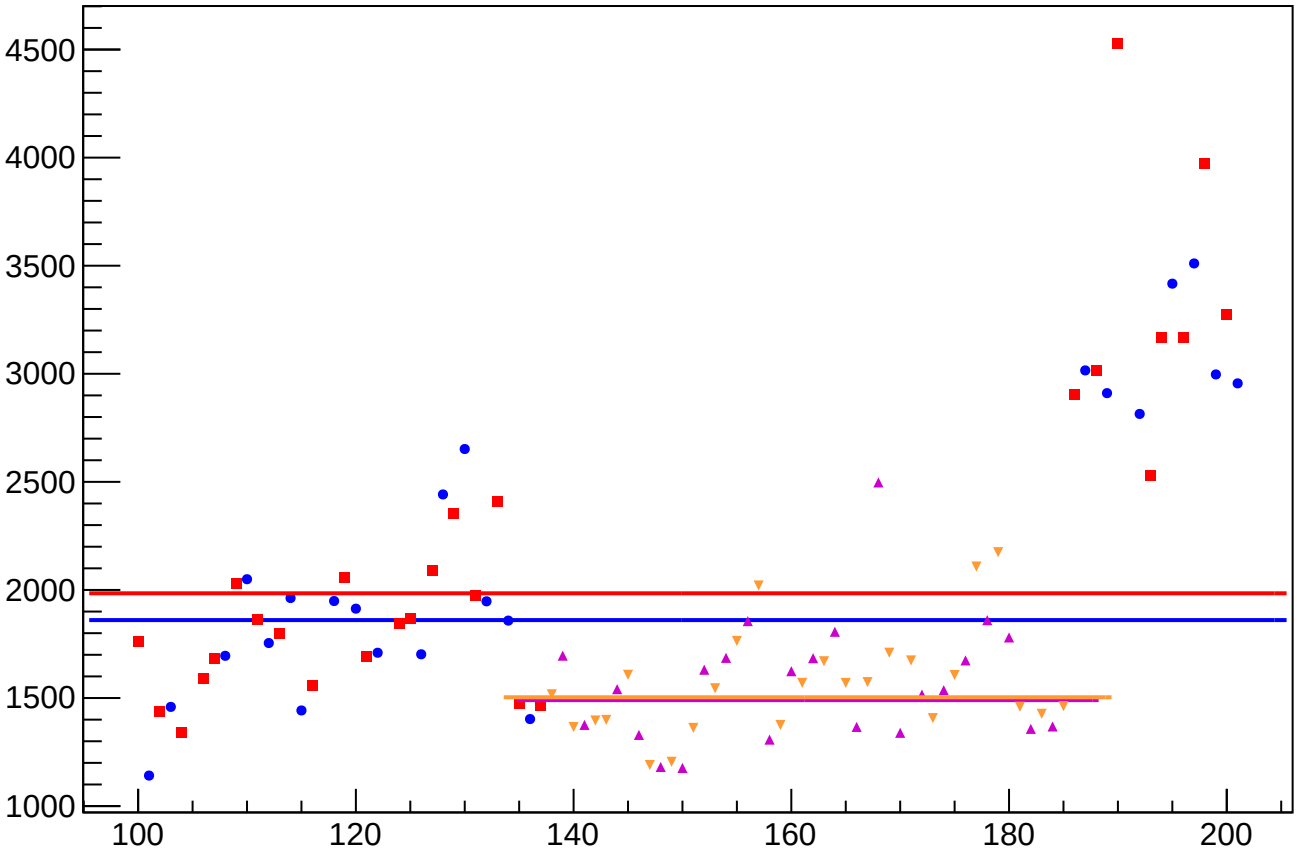
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -381.681+/-401.262 χ^2/NDF: 47.1/49

In: 43.099+/-299.674 χ^2/NDF:41.8/45

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 60.880+/-210.875 χ^2/NDF: 94.9/97



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: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

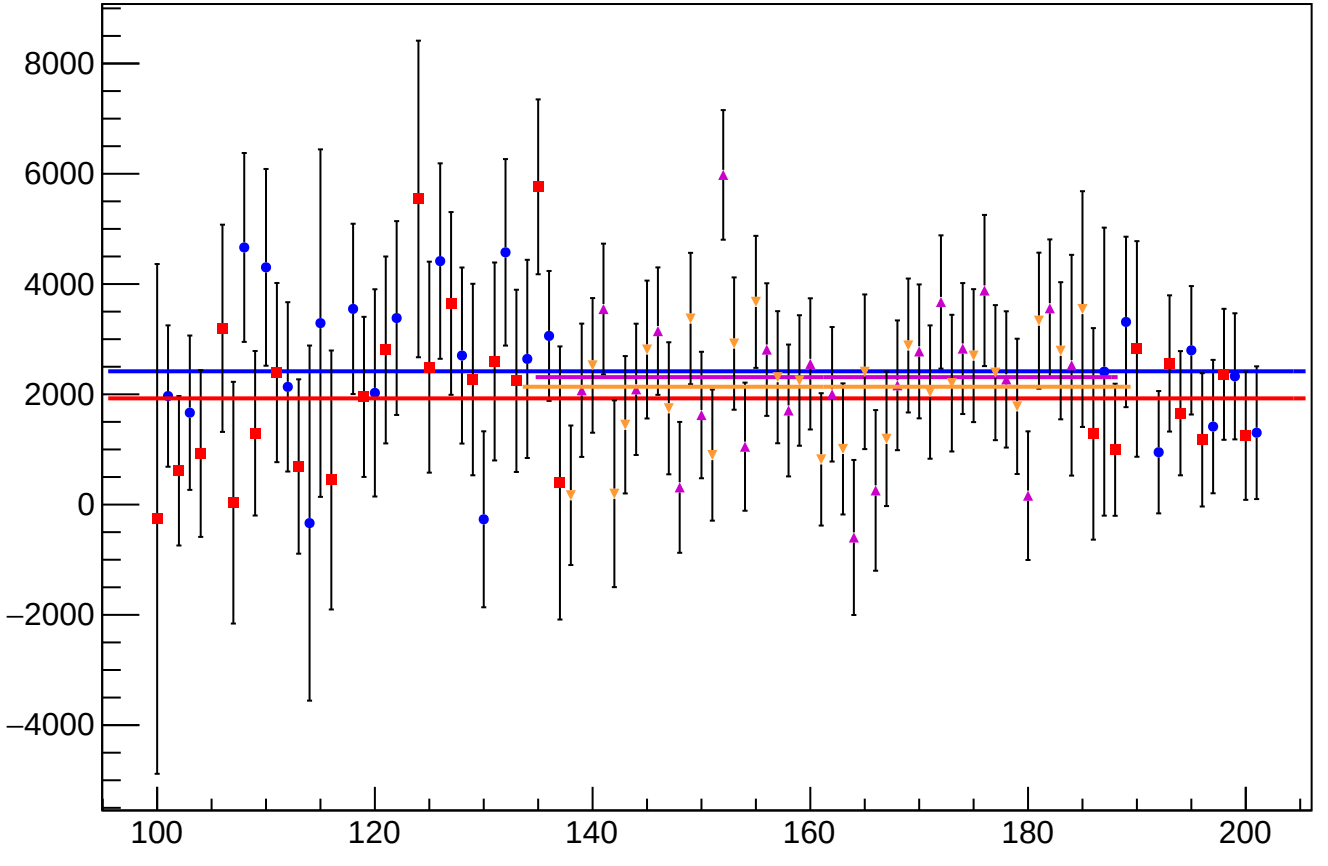
Right: 1921.572+/-0.284 χ^2/NDF: 5199230.5/49

In: 1595.130+/-0.212 χ^2/NDF:4202736.1/45

Out: 1633.023+/-0.210 χ^2/NDF:4370345.5/51

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97

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: 1926.464+/-303.090 χ^2/NDF: 15.7/26

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

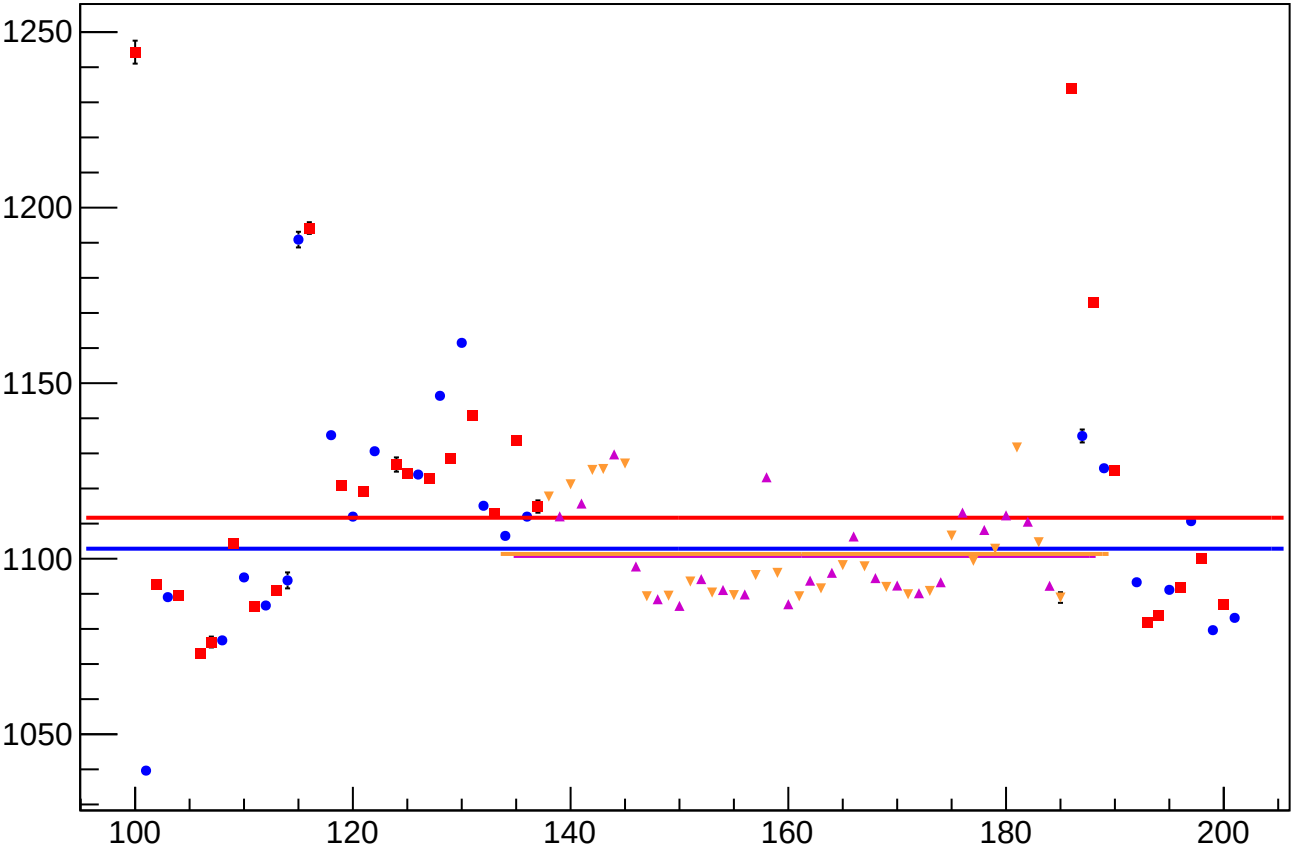
Right: 2163.476+/-217.999 χ^2/NDF: 31.7/49

In: 2354.223+/-198.840 χ^2/NDF:44.8/45

Out: 2051.787+/-192.948 χ^2/NDF:29.9/51

All: 2198.458+/-138.471 χ^2/NDF: 75.9/97

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: 1111.672+/-0.214 χ^2/NDF: 26155.6/26

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

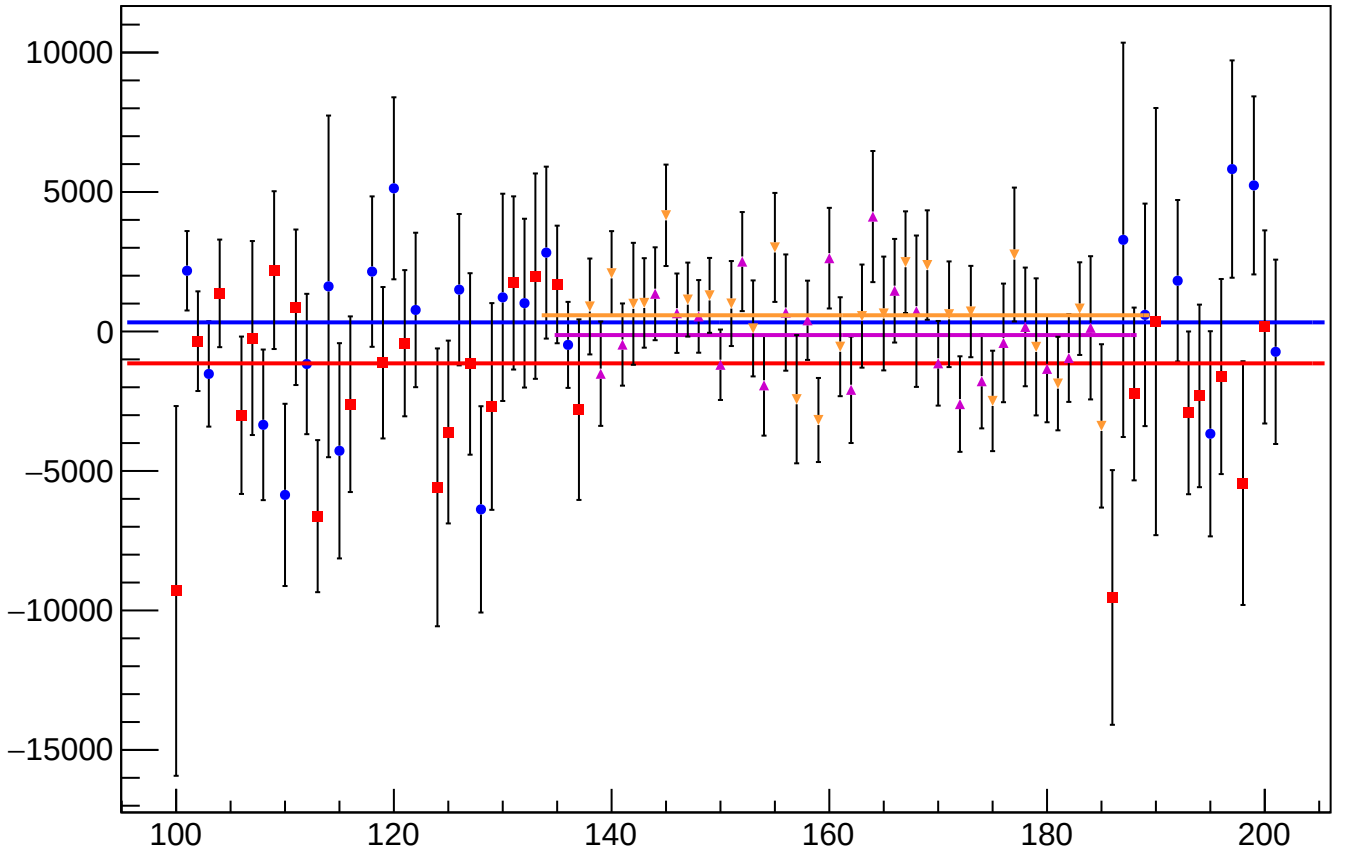
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1107.417+/-0.154 χ^2/NDF: 42996.8/49

In: 1101.621+/-0.141 χ^2/NDF:20717.8/45

Out: 1105.535+/-0.136 χ^2/NDF:33484.9/51

All: 1103.637+/-0.098 χ^2/NDF: 54601.9/97



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: -1142.614+/-579.198 χ^2/NDF: 20.5/26

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

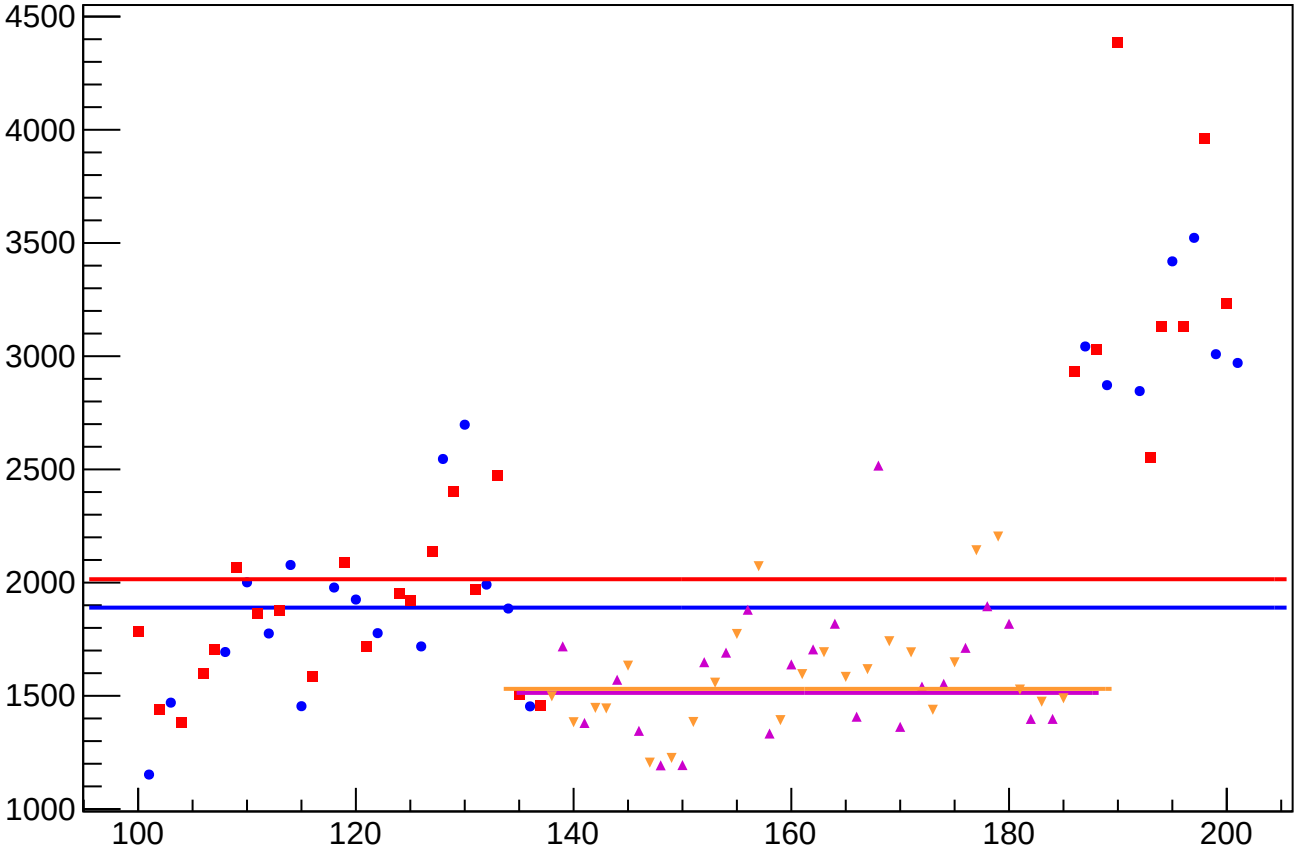
Right: -397.590+/-406.627 χ^2/NDF: 46.9/49

In: 0.276+/-304.000 χ^2/NDF:41.5/45

Out: 113.733+/-301.671 χ^2/NDF:52.3/51

All: 57.441+/-214.132 χ^2/NDF: 93.9/97

asym_usr_dit_correction_rms vs Slug, Sign Corrected



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: 2014.957+/-0.410 χ^2/NDF: 2430786.0/26

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

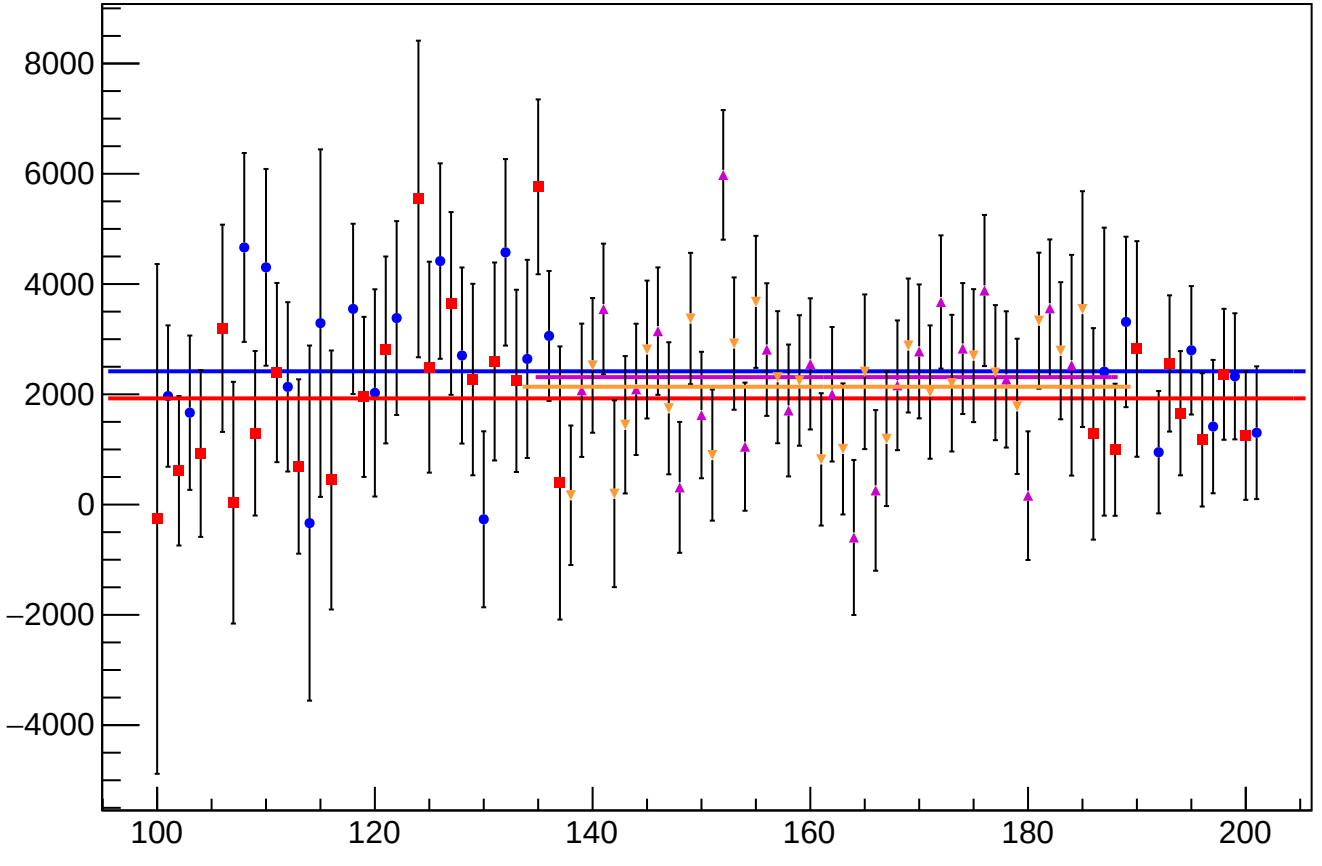
Right: 1951.356+/-0.288 χ^2/NDF: 5042209.5/49

In: 1619.692+/-0.215 χ^2/NDF:4144310.1/45

Out: 1662.115+/-0.213 χ^2/NDF:4244951.8/51

All: 1641.066+/-0.151 χ^2/NDF: 8408885.8/97

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: 1926.463+/-303.090 χ^2/NDF: 15.7/26

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

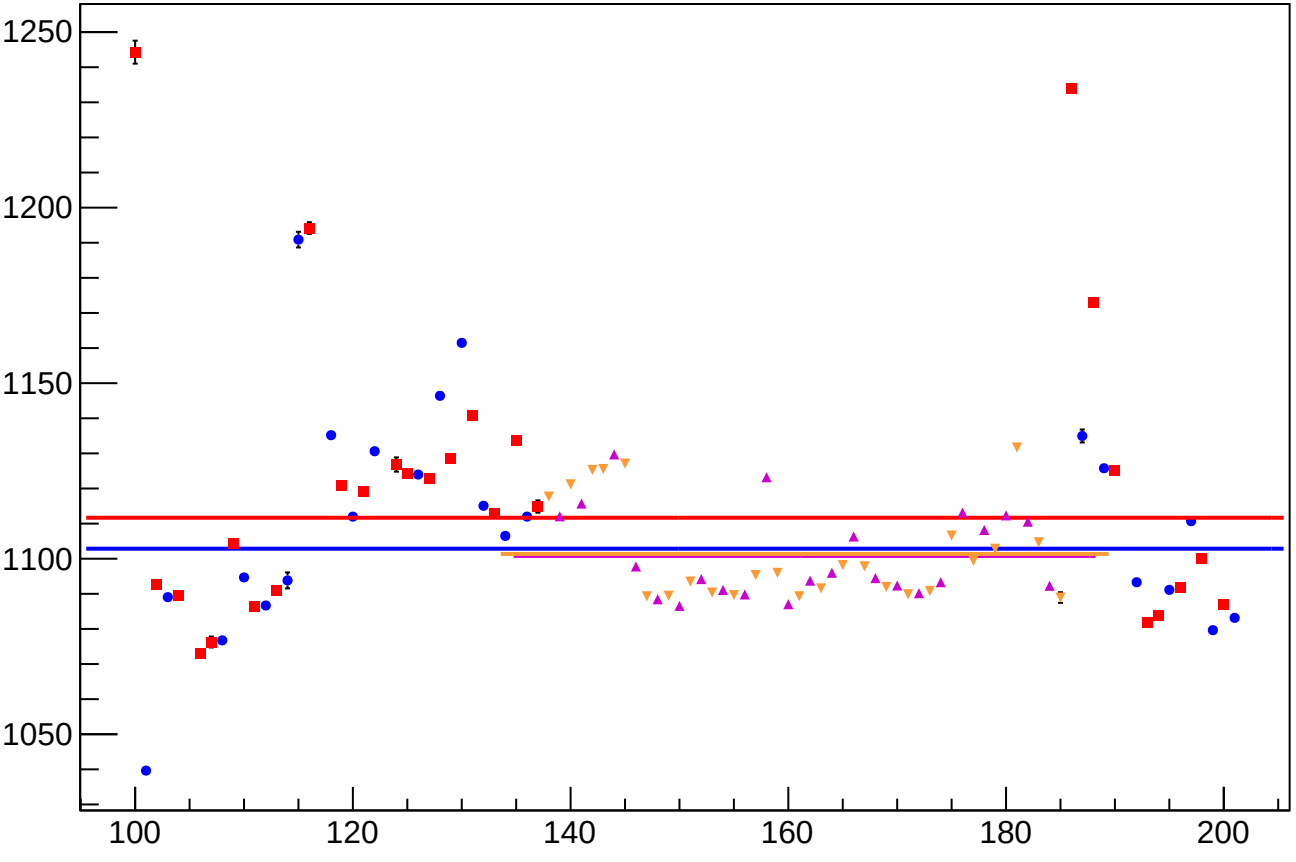
Right: 2163.475+/-217.999 χ^2/NDF: 31.7/49

In: 2354.223+/-198.840 χ^2/NDF:44.8/45

Out: 2051.786+/-192.948 χ^2/NDF:29.9/51

All: 2198.457+/-138.471 χ^2/NDF: 75.9/97

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: 1111.672+/-0.214 χ^2/NDF: 26155.6/26

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

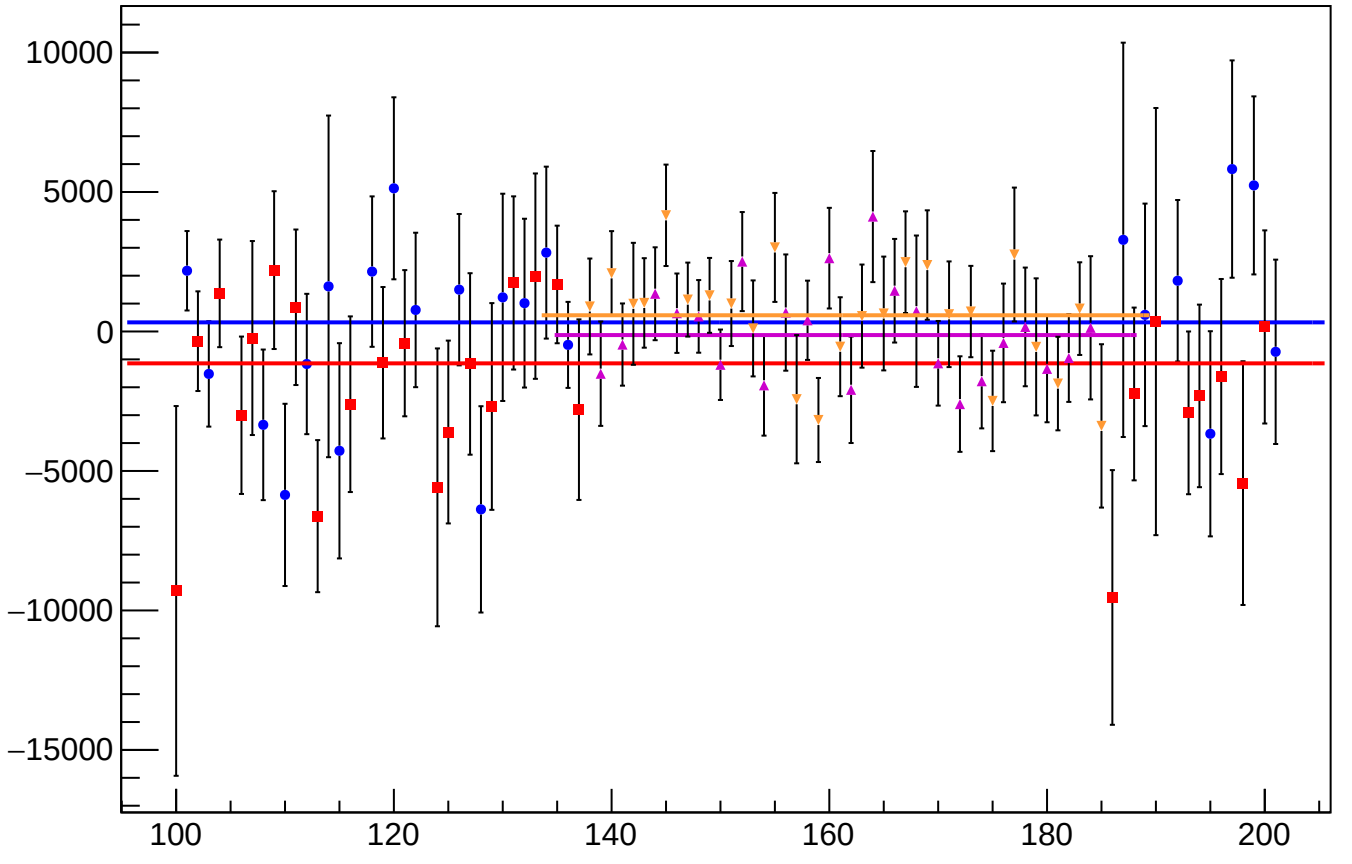
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1107.416+/-0.154 χ^2/NDF: 42996.8/49

In: 1101.621+/-0.141 χ^2/NDF:20717.7/45

Out: 1105.535+/-0.136 χ^2/NDF:33484.9/51

All: 1103.637+/-0.098 χ^2/NDF: 54601.7/97



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: -1142.616+/-579.197 χ^2/NDF: 20.5/26

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

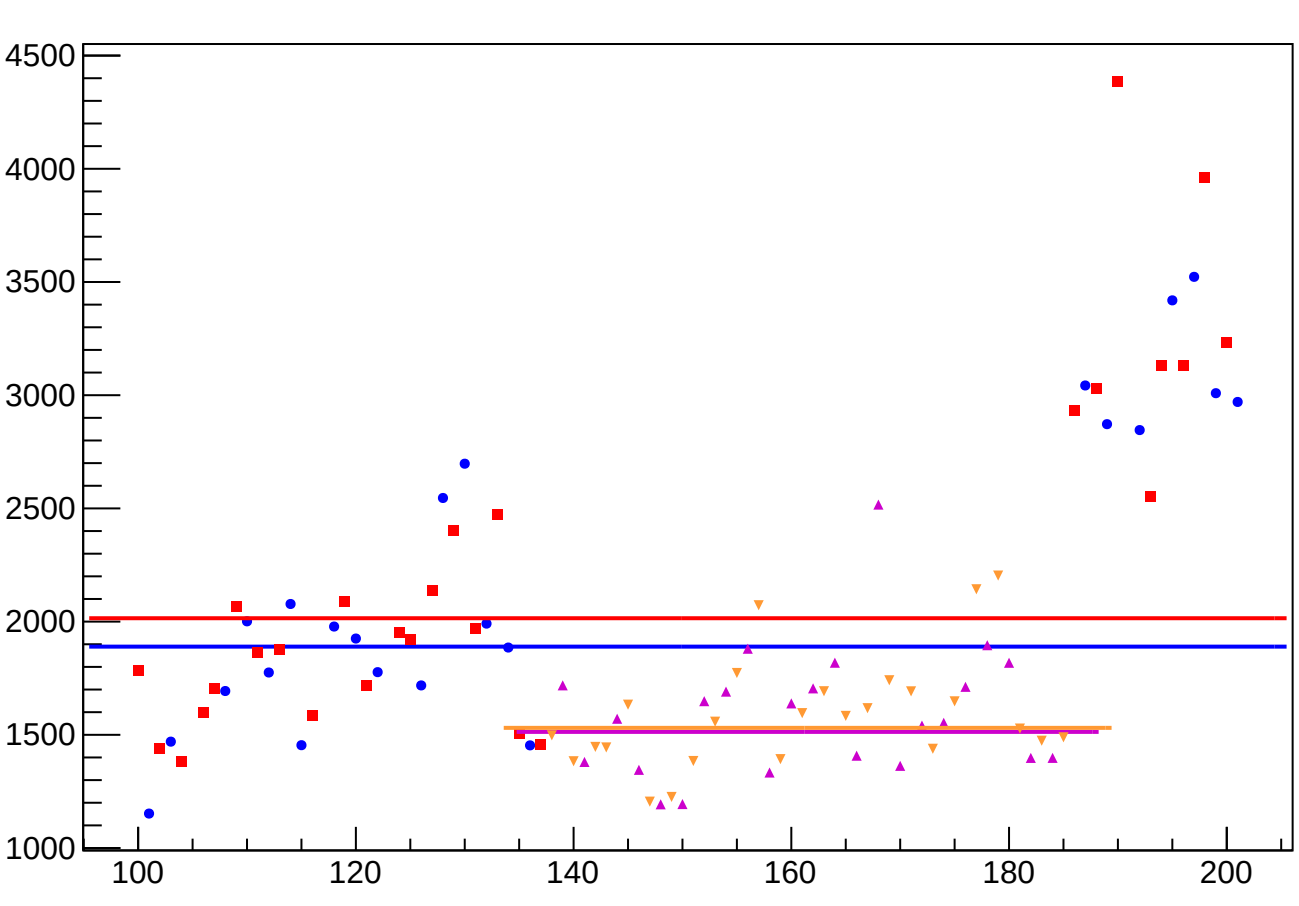
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -397.593+/-406.626 χ^2/NDF: 46.9/49

In: 0.275+/-304.001 χ^2/NDF:41.5/45

Out: 113.729+/-301.672 χ^2/NDF:52.3/51

All: 57.439+/-214.133 χ^2/NDF: 93.9/97



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: 2014.955+/-0.410 χ^2/NDF: 2430778.1/26

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

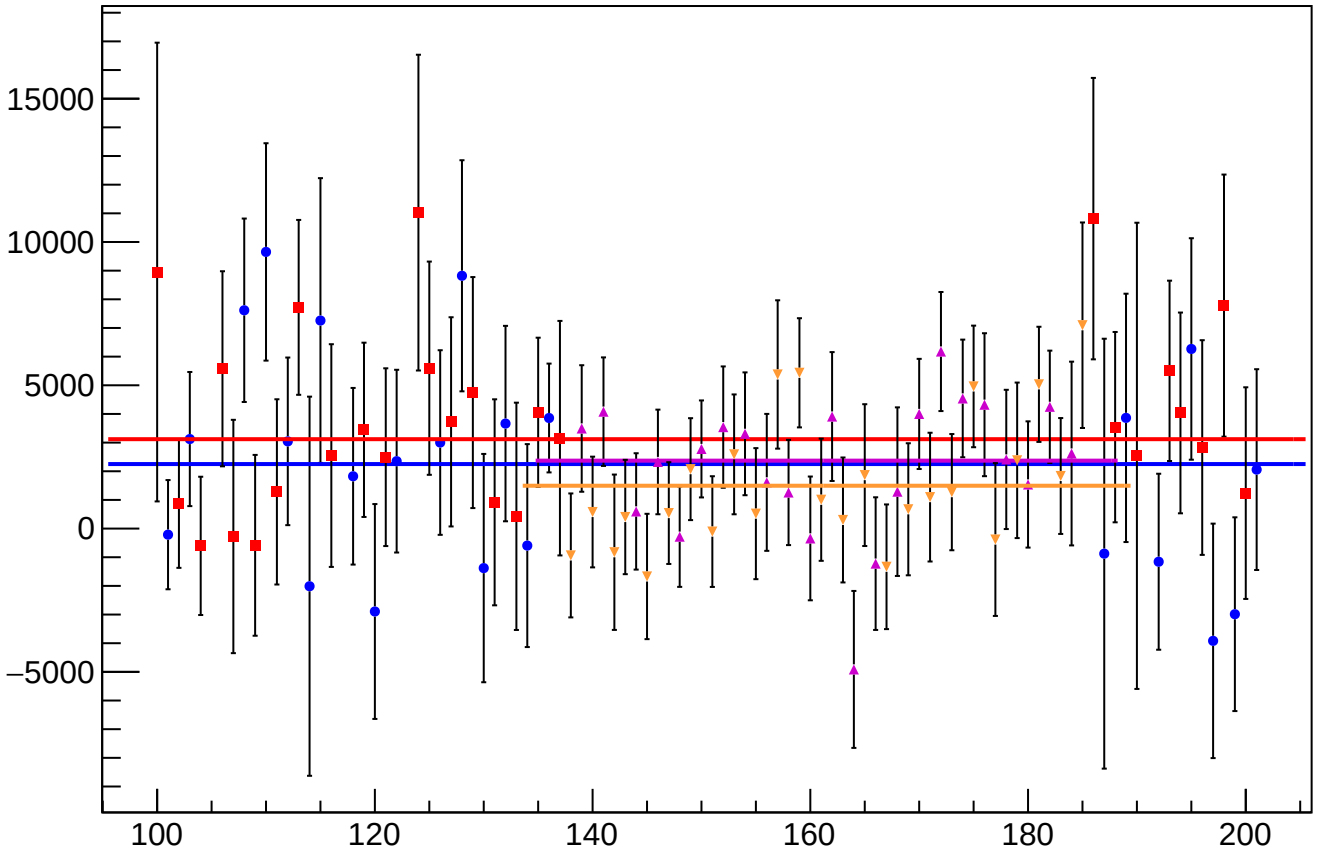
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1951.354+/-0.288 χ^2/NDF: 5042199.8/49

In: 1619.694+/-0.215 χ^2/NDF:4144293.8/45

Out: 1662.118+/-0.213 χ^2/NDF:4244924.2/51

All: 1641.069+/-0.151 χ^2/NDF: 8408842.3/97



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: 3119.563+/-670.005 χ^2/NDF: 17.3/26

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

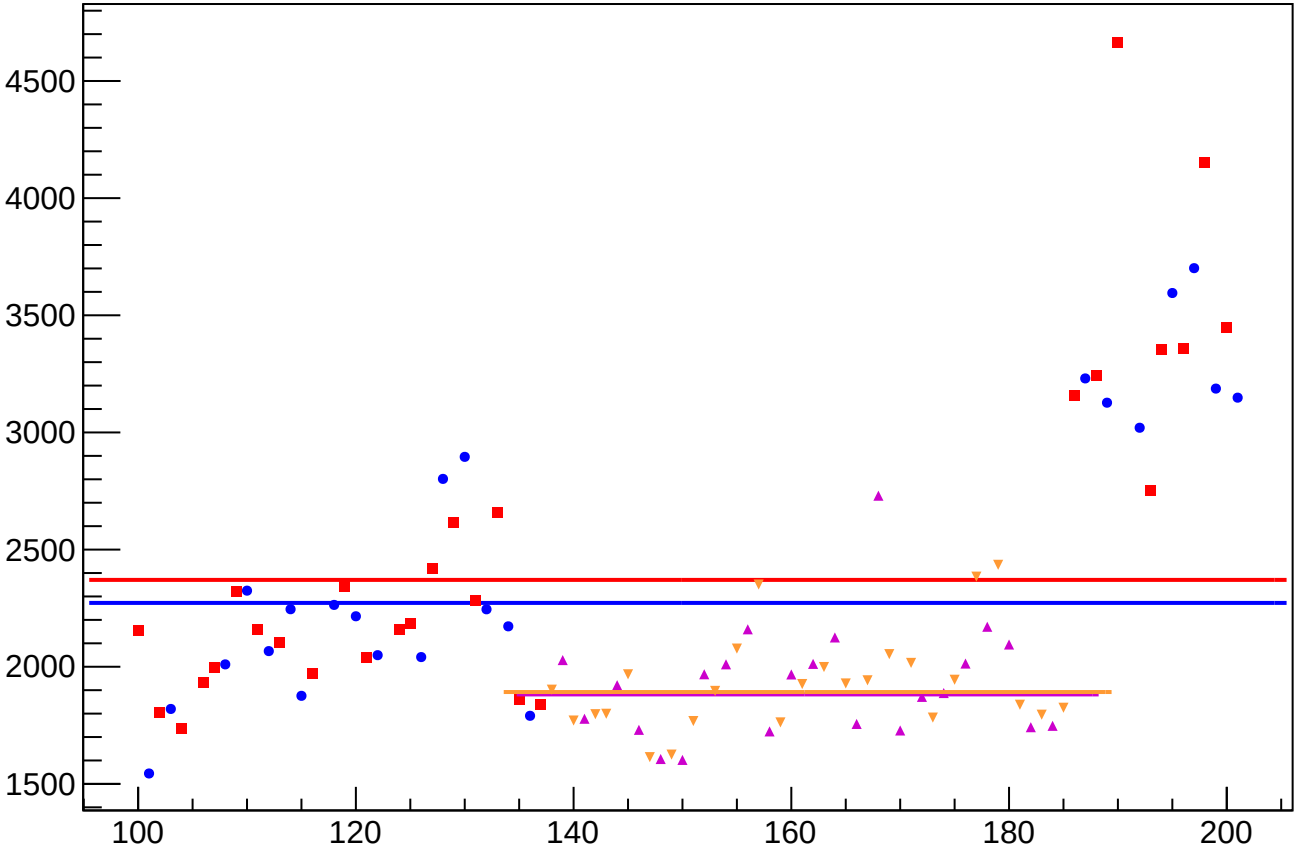
Right: 2686.348+/-474.311 χ^2/NDF: 42.3/49

In: 2334.447+/-369.761 χ^2/NDF:47.9/45

Out: 1973.934+/-363.782 χ^2/NDF:45.2/51

All: 2151.252+/-259.321 χ^2/NDF: 93.6/97

asym_usr_rms vs Slug, Sign Corrected



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: 2370.675+/-0.474 χ^2/NDF: 1673276.2/26

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

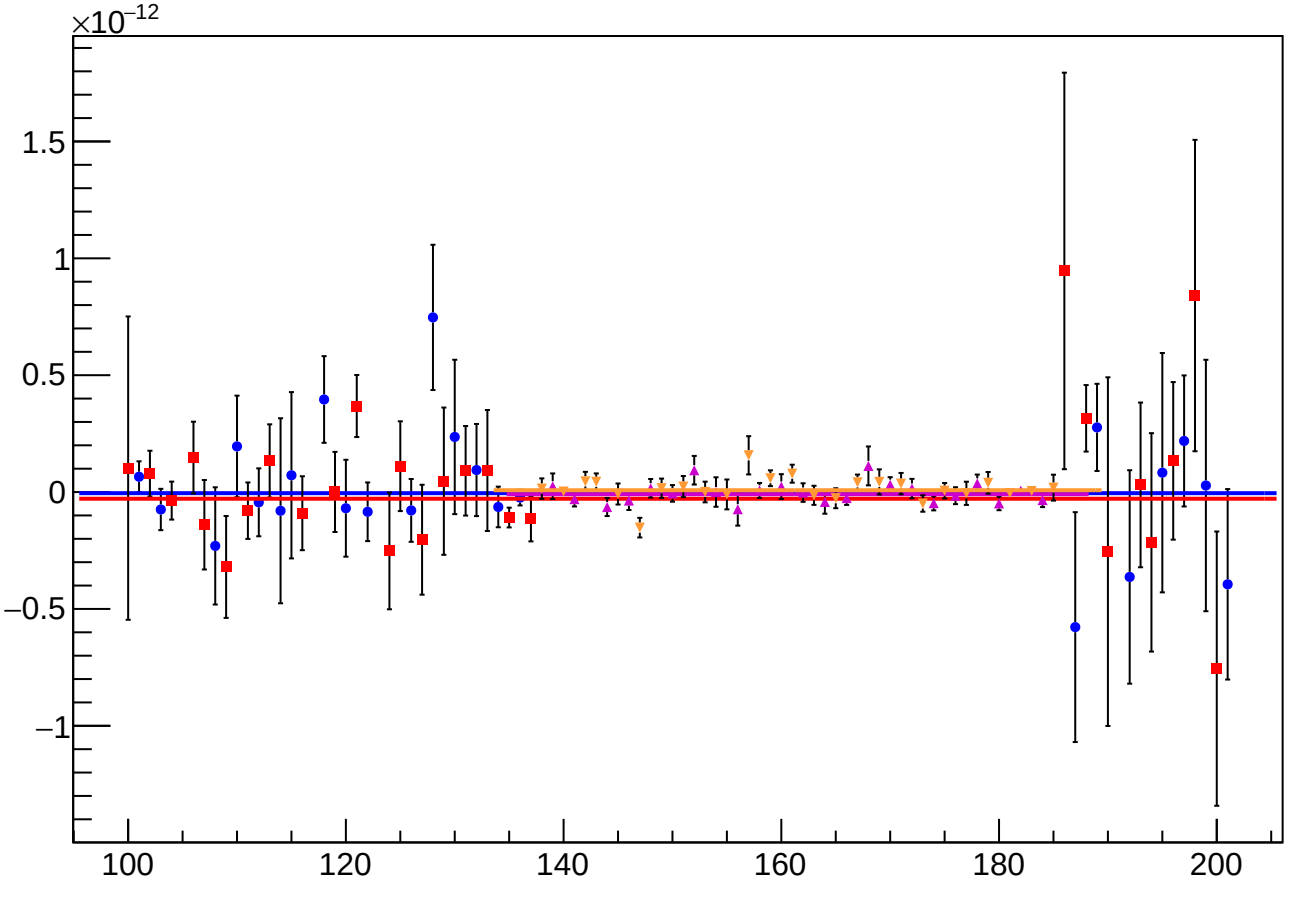
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2321.684+/-0.335 χ^2/NDF: 3311376.4/49

In: 2000.302+/-0.261 χ^2/NDF:2550746.5/45

Out: 2033.195+/-0.257 χ^2/NDF:2782466.5/51

All: 2017.017+/-0.183 χ^2/NDF: 5341255.5/97



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: 32.9/26

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

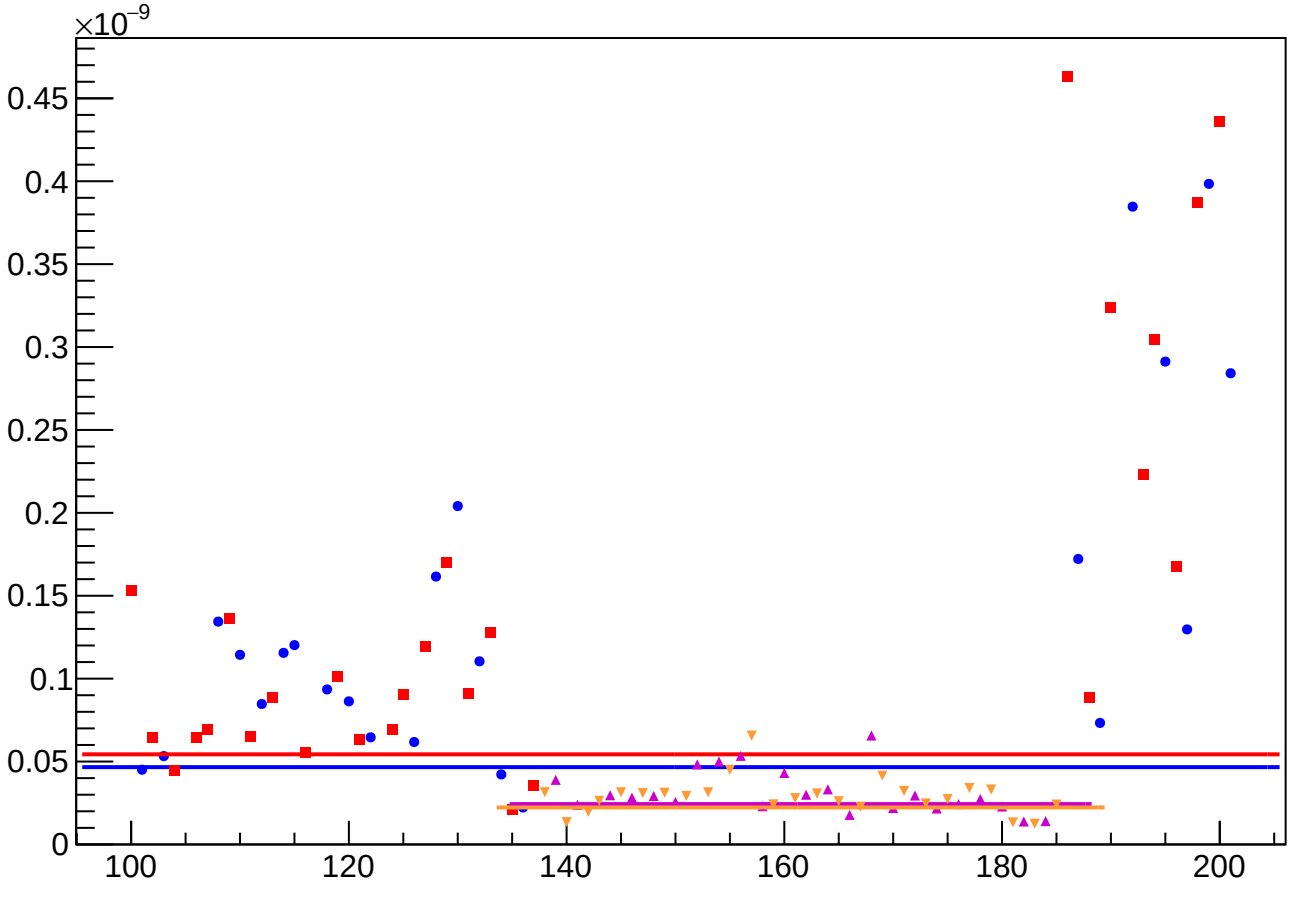
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.7/49

In: -0.000+/-0.000 χ^2/NDF:41.4/45

Out: 0.000+/-0.000 χ^2/NDF:67.1/51

All: -0.000+/-0.000 χ^2/NDF: 110.7/97



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: 6149246.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

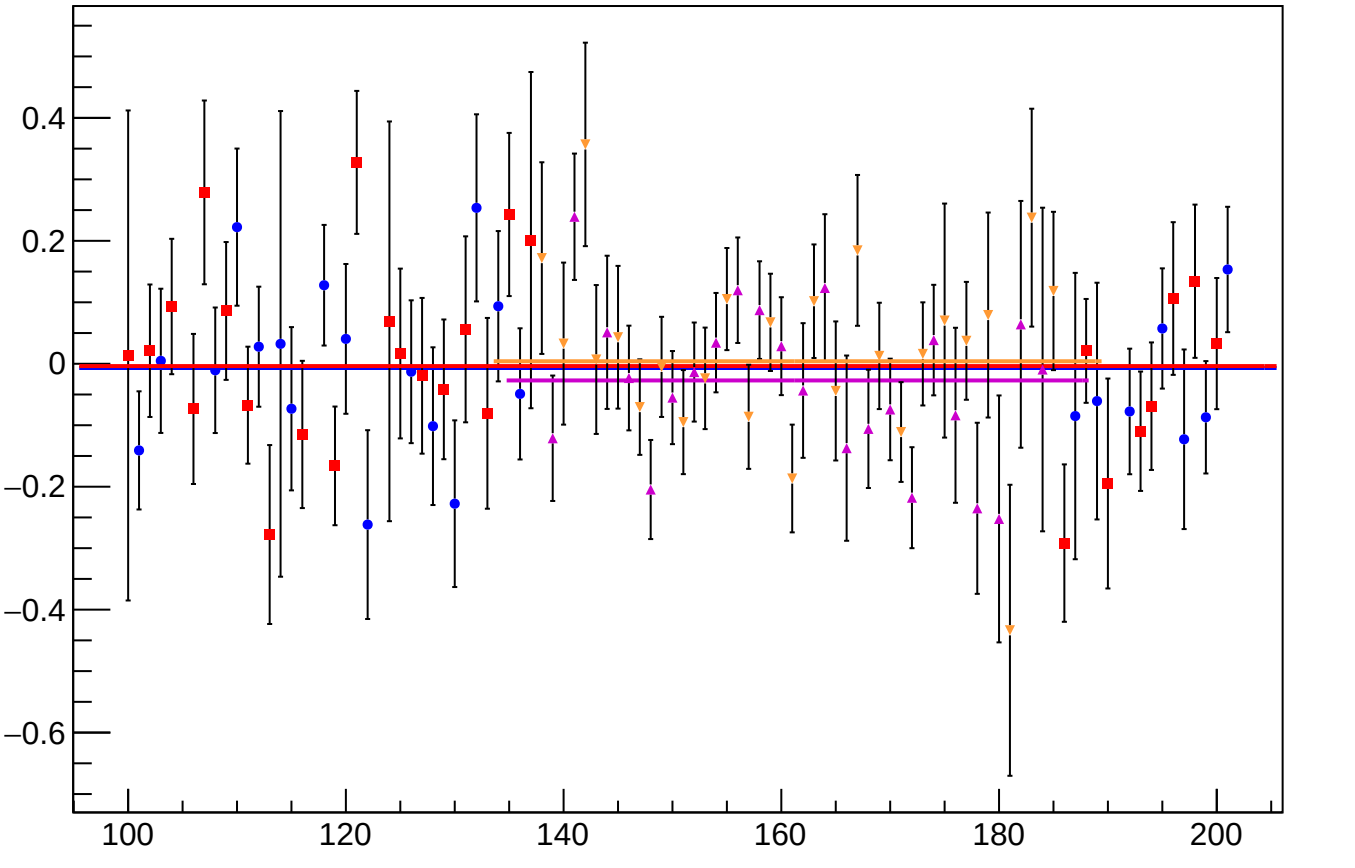
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12680205.3/49

In: 0.000+/-0.000 χ^2/NDF:11150292.7/45

Out: 0.000+/-0.000 χ^2/NDF:12564937.9/51

All: 0.000+/-0.000 χ^2/NDF: 23797950.8/97



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: -0.004+/-0.024 χ^2/NDF: 35.9/26

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

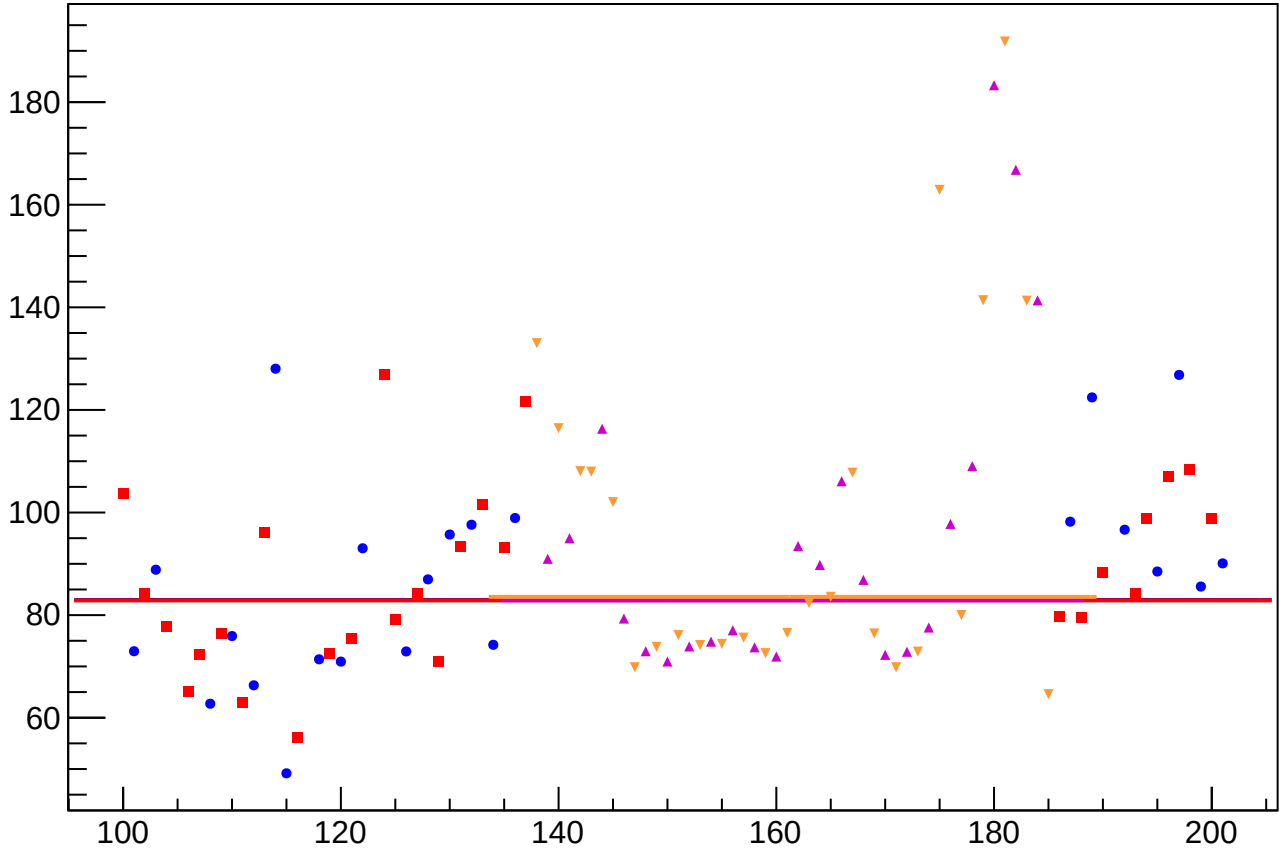
Right: -0.005+/-0.017 χ^2/NDF: 58.2/49

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.001+/-0.015 χ^2/NDF:64.1/51

All: -0.009+/-0.011 χ^2/NDF: 119.5/97

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 82.877+/-0.017 χ^2/NDF: 711192.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

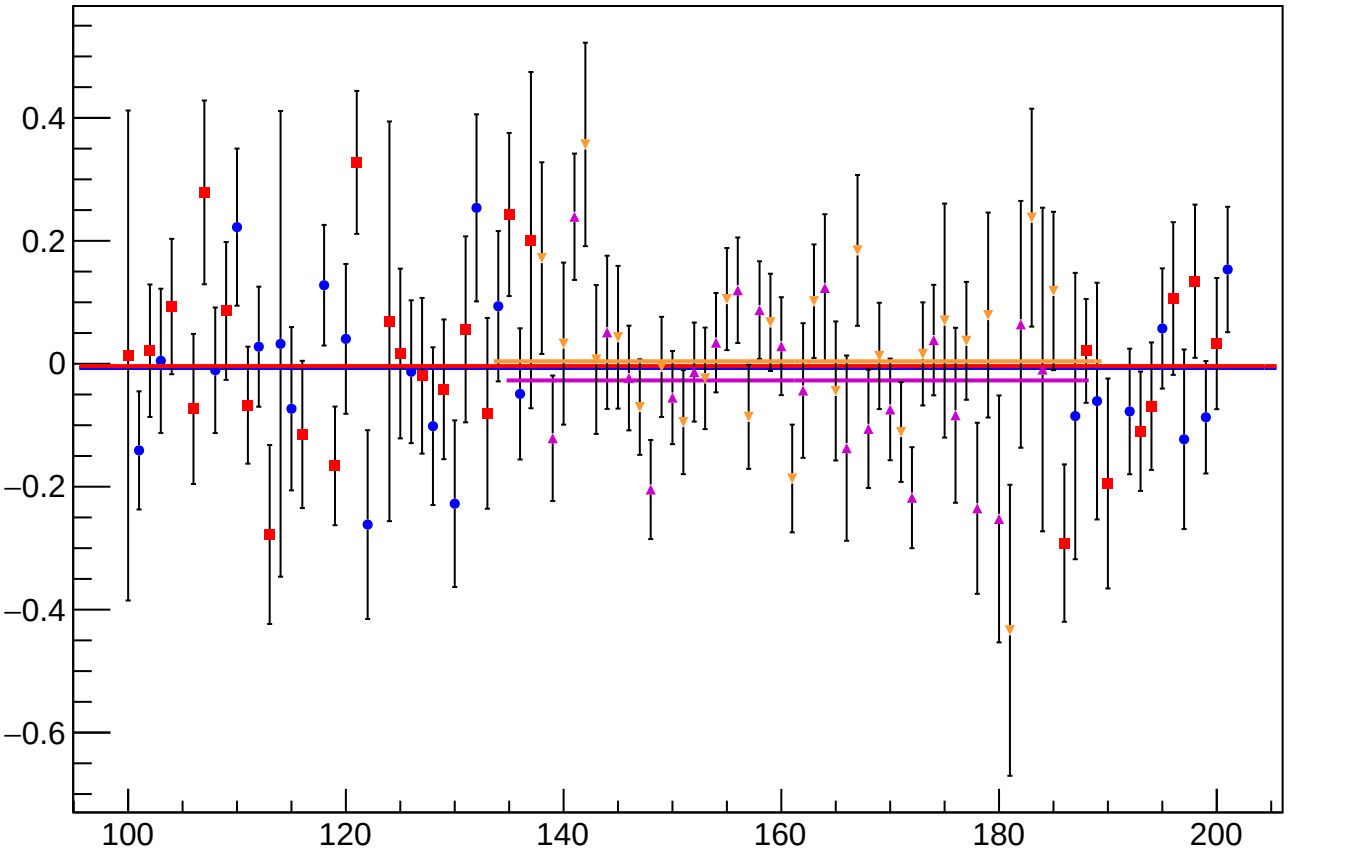
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.910+/-0.012 χ^2/NDF: 1529257.1/49

In: 82.913+/-0.011 χ^2/NDF:2391065.8/45

Out: 83.273+/-0.011 χ^2/NDF:2885095.7/51

All: 83.098+/-0.008 χ^2/NDF: 5276691.0/97



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: -0.004+/-0.024 χ^2/NDF: 35.9/26

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

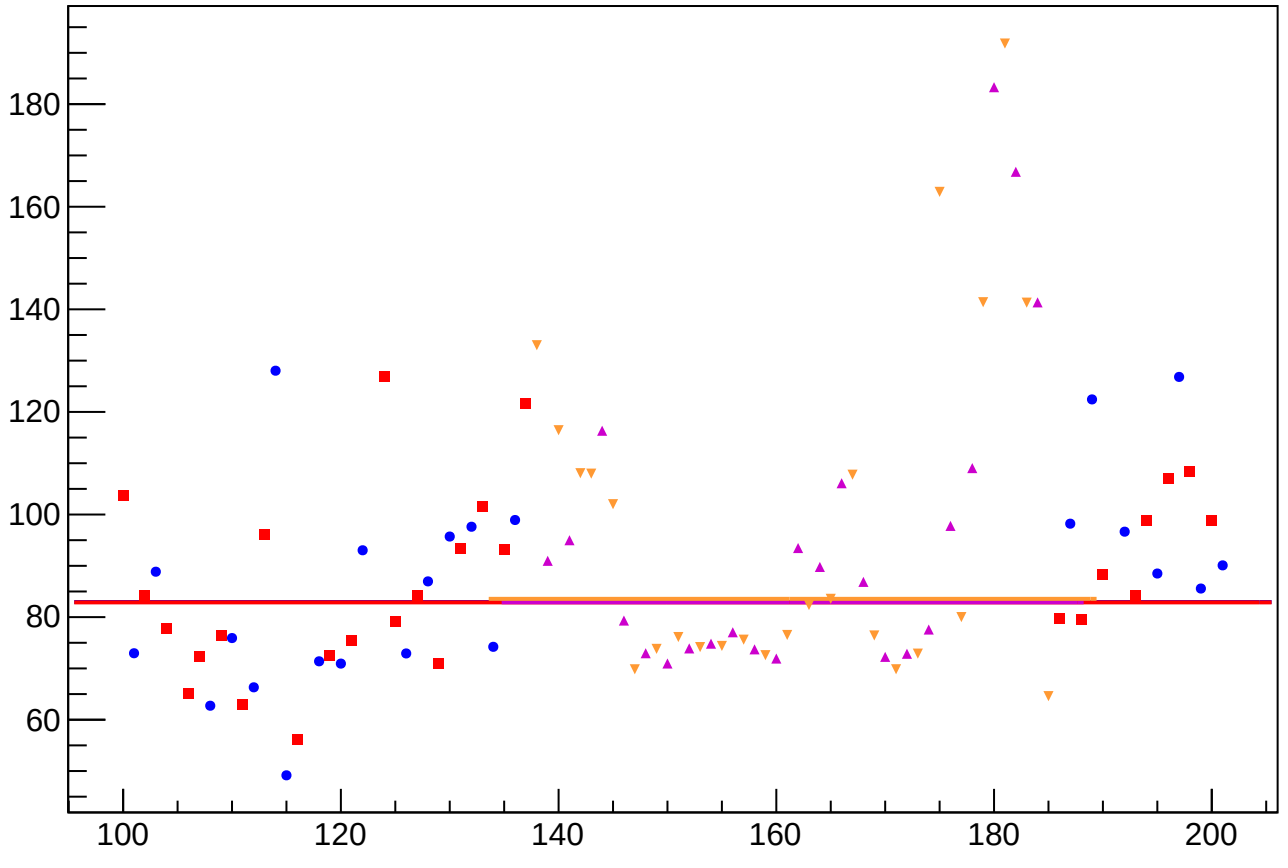
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.005+/-0.017 χ^2/NDF: 58.2/49

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.001+/-0.015 χ^2/NDF:64.1/51

All: -0.009+/-0.011 χ^2/NDF: 119.5/97



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: 82.877+/-0.017 χ^2/NDF: 711192.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

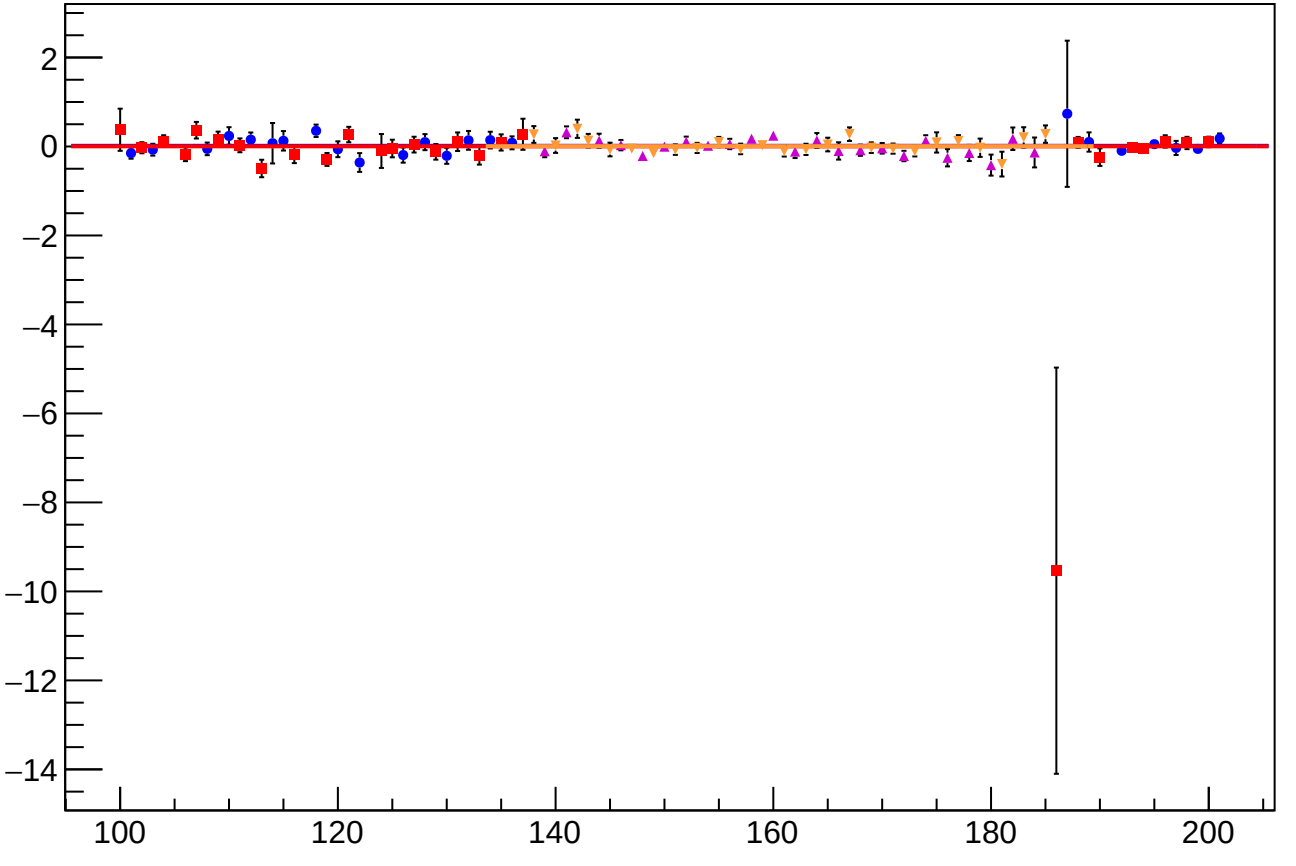
Right: 82.910+/-0.012 χ^2/NDF: 1529257.1/49

In: 82.913+/-0.011 χ^2/NDF:2391065.8/45

Out: 83.273+/-0.011 χ^2/NDF:2885095.7/51

All: 83.098+/-0.008 χ^2/NDF: 5276691.0/97

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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: 0.004+/-0.031 χ^2/NDF: 32.2/26

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

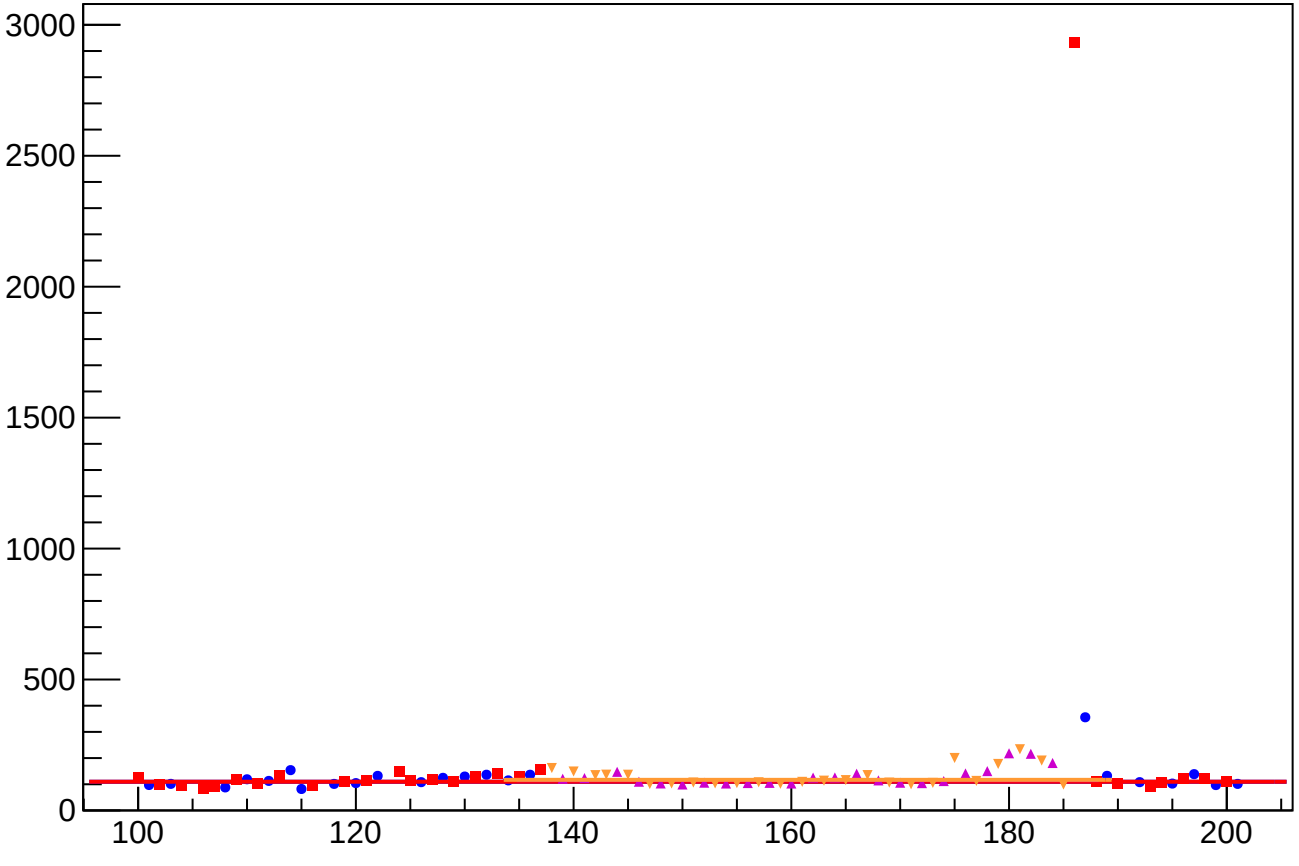
Right: 0.009+/-0.023 χ^2/NDF: 54.5/49

In: 0.012+/-0.021 χ^2/NDF:53.5/45

Out: 0.005+/-0.021 χ^2/NDF:53.5/51

All: 0.008+/-0.015 χ^2/NDF: 107.1/97

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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: 109.688+/-0.022 χ^2/NDF: 1170645.0/26

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

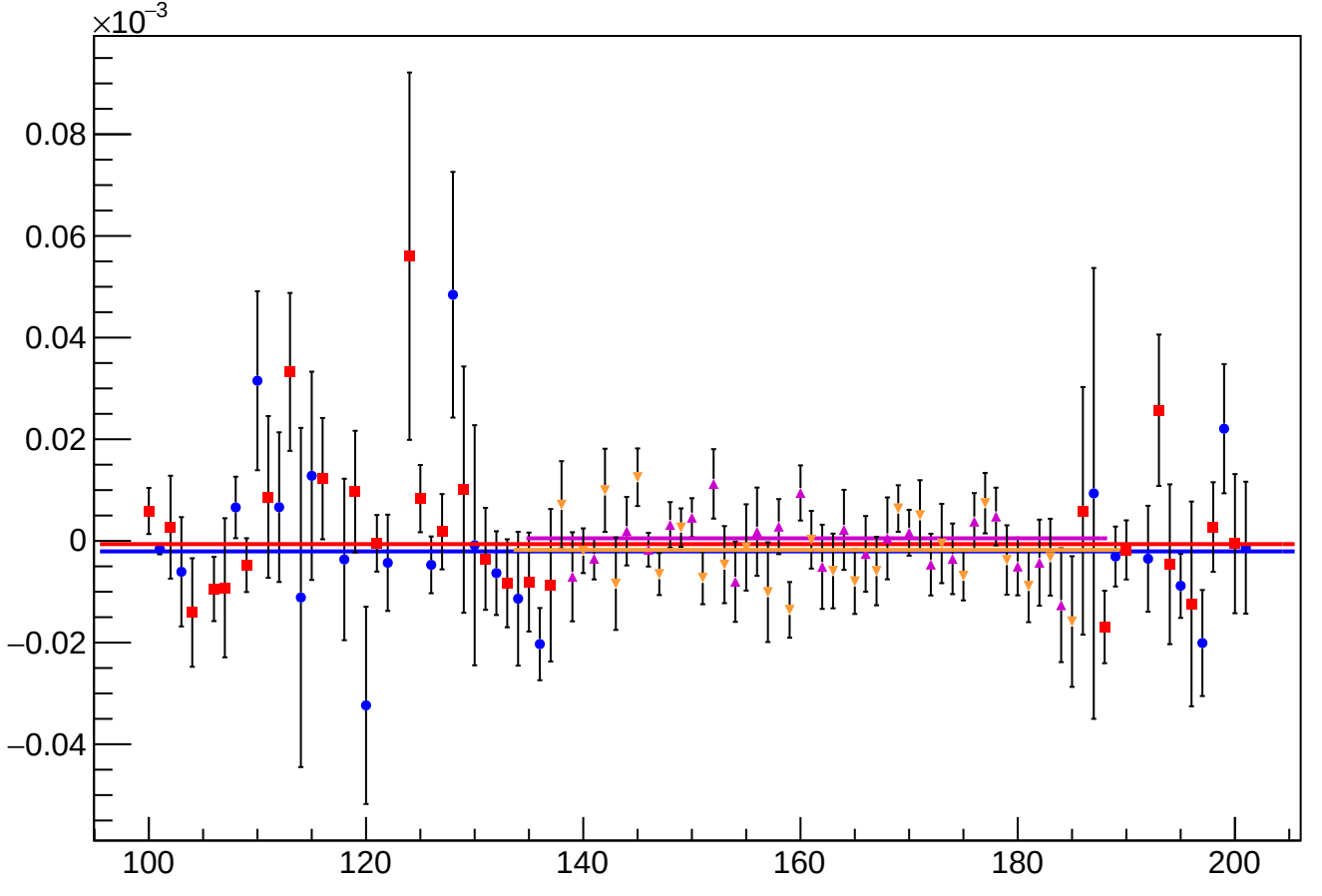
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.582+/-0.016 χ^2/NDF: 1653968.0/49

In: 113.114+/-0.015 χ^2/NDF:1758860.5/45

Out: 113.714+/-0.015 χ^2/NDF:2826653.6/51

All: 113.422+/-0.011 χ^2/NDF: 4586328.8/97



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: 29.1/26

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

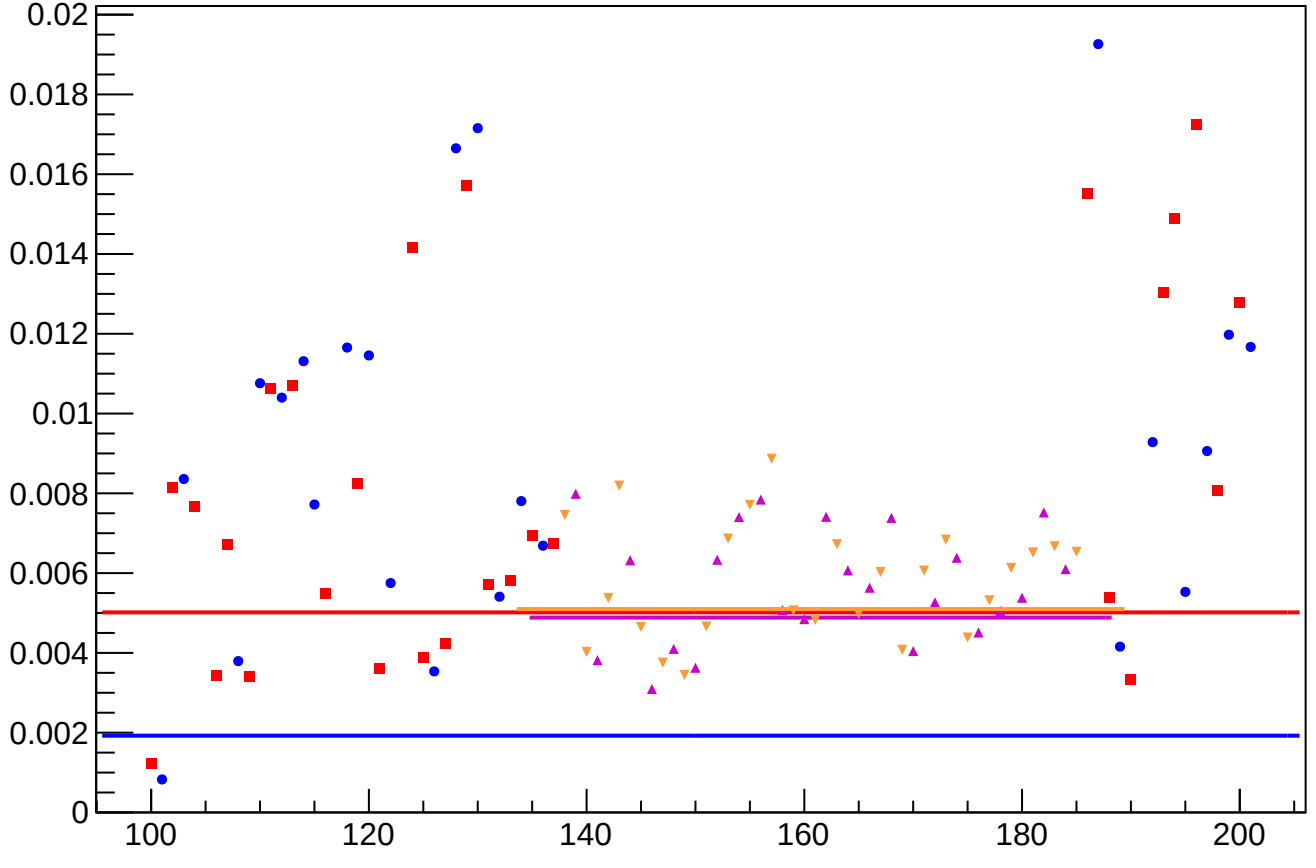
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 59.0/49

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:60.5/51

All: -0.000+/-0.000 χ^2/NDF: 108.3/97



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: 7117562.7/26

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

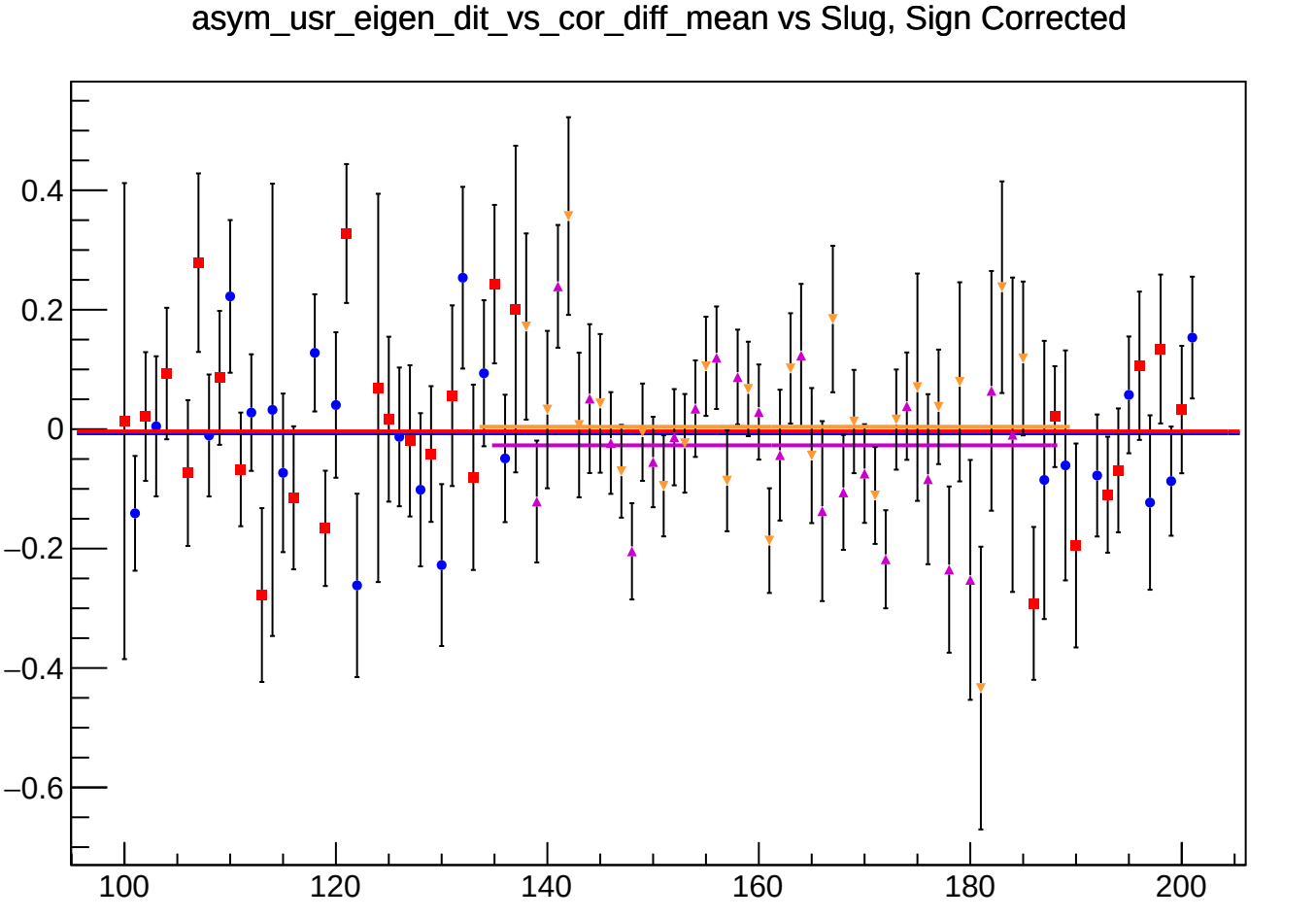
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

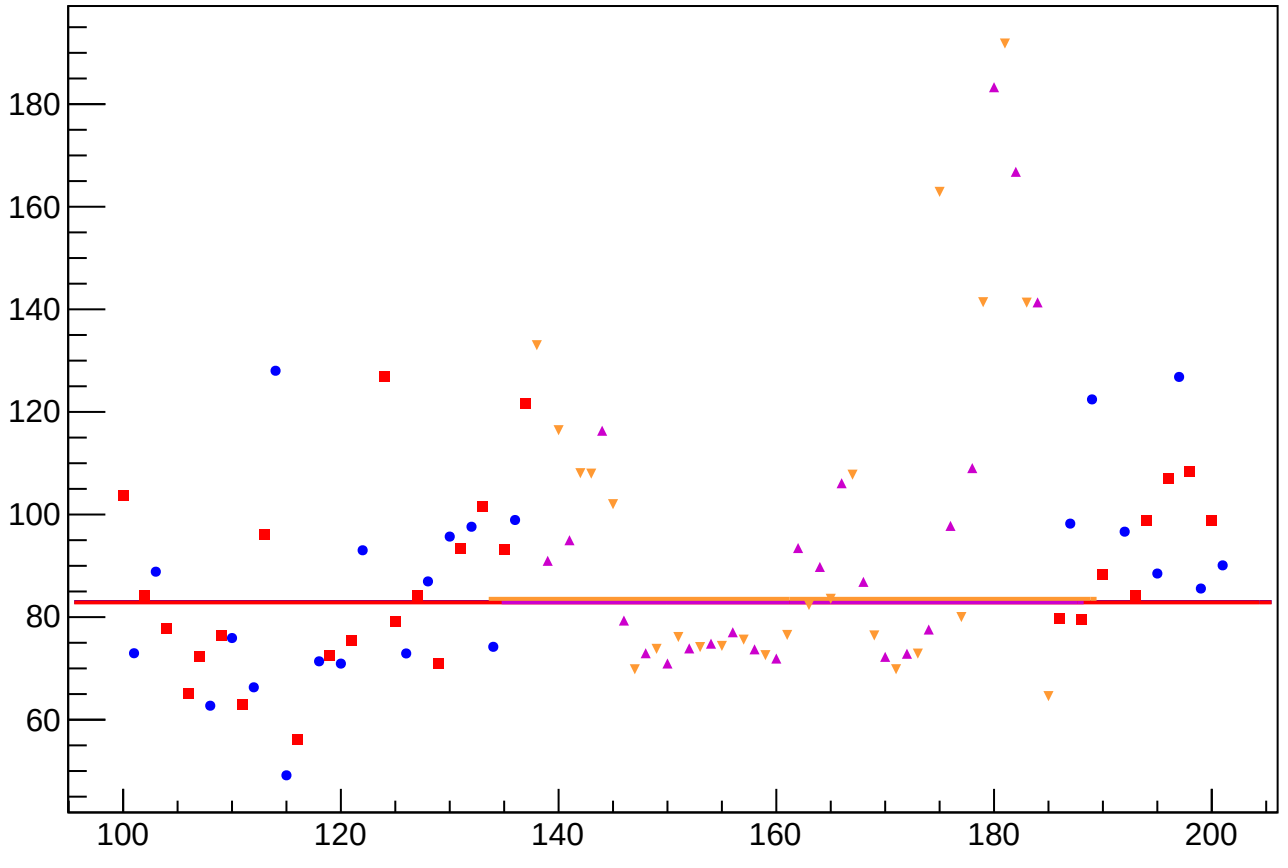
Right: 0.003+/-0.000 χ^2/NDF: 27347070.8/49

In: 0.003+/-0.000 χ^2/NDF:25443063.9/45

Out: 0.005+/-0.000 χ^2/NDF:9499397.7/51

All: 0.004+/-0.000 χ^2/NDF: 40341678.2/97


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.007+/-0.025 χ²/NDF: 22.3/22
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.004+/-0.024 χ²/NDF: 35.9/26
Left In: -0.027+/-0.021 χ²/NDF:32.0/22
Left: -0.011+/-0.014 χ²/NDF: 61.3/47
Right: -0.005+/-0.017 χ²/NDF: 58.2/49
In: -0.019+/-0.016 χ²/NDF:54.6/45
Out: 0.001+/-0.015 χ²/NDF:64.1/51
All: -0.009+/-0.011 χ²/NDF: 119.5/97



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: 82.875+/-0.017 χ^2/NDF: 711193.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

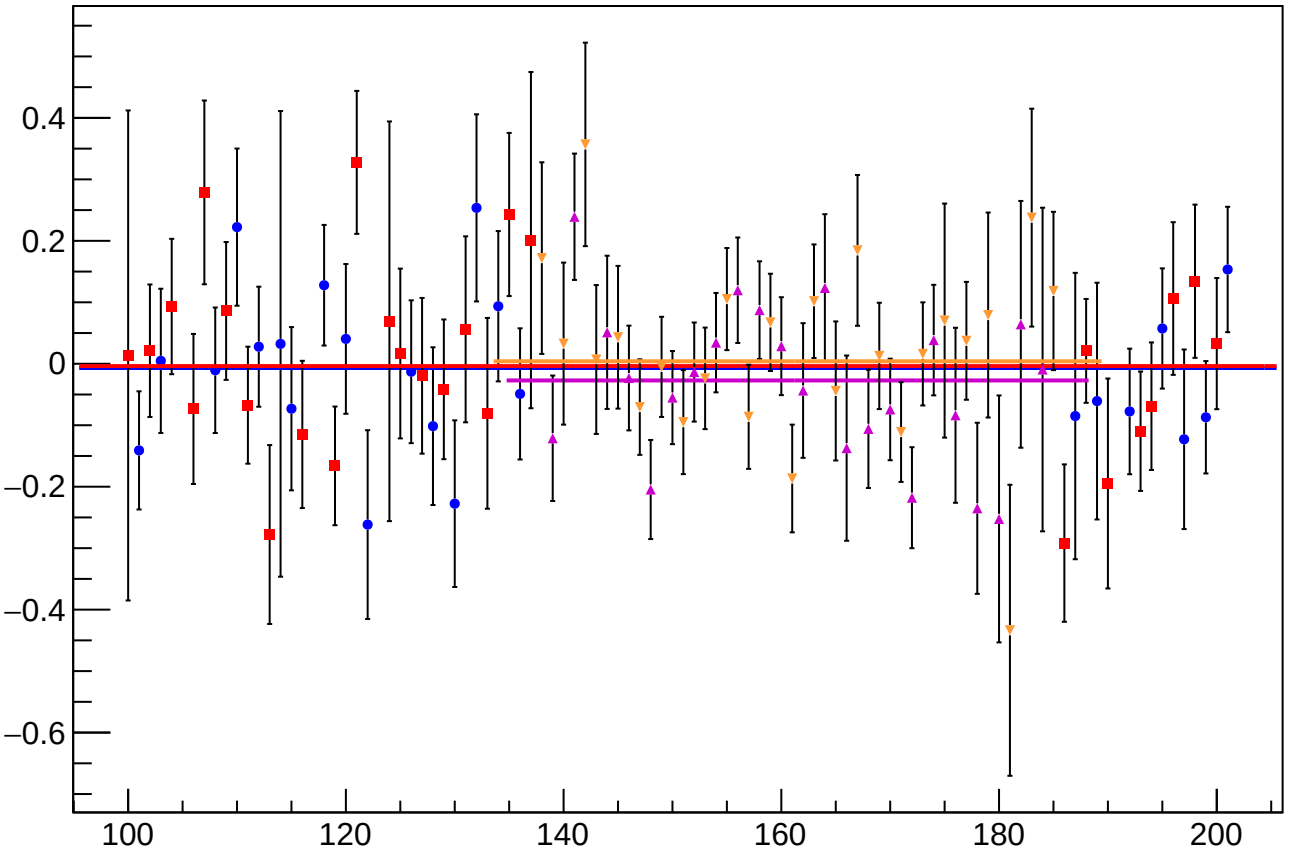
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.909+/-0.012 χ^2/NDF: 1529282.8/49

In: 82.913+/-0.011 χ^2/NDF:2391068.0/45

Out: 83.273+/-0.011 χ^2/NDF:2885092.4/51

All: 83.098+/-0.008 χ^2/NDF: 5276689.8/97



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: -0.004+/-0.024 χ^2/NDF: 35.9/26

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

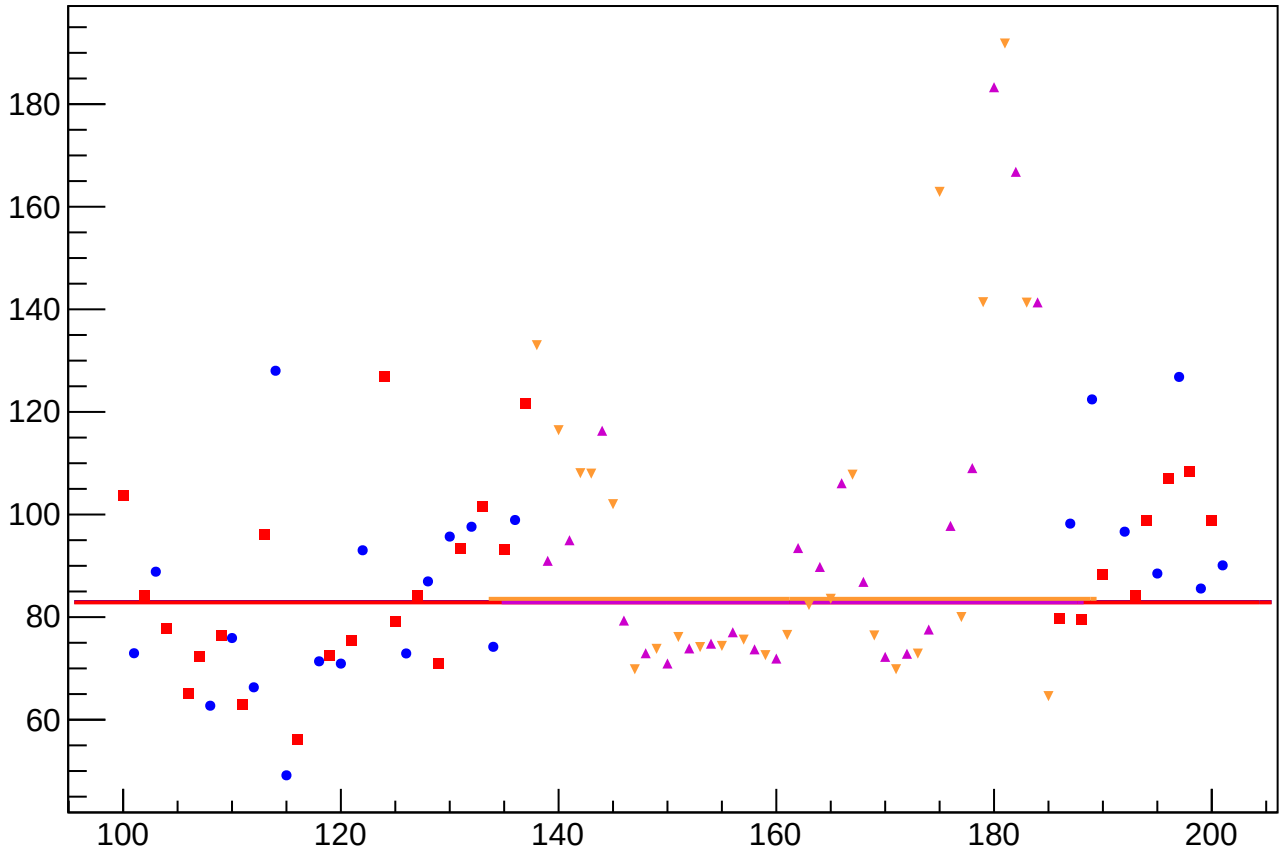
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.005+/-0.017 χ^2/NDF: 58.2/49

In: -0.019+/-0.016 χ^2/NDF:54.6/45

Out: 0.001+/-0.015 χ^2/NDF:64.1/51

All: -0.009+/-0.011 χ^2/NDF: 119.5/97



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: 82.875+/-0.017 χ^2/NDF: 711193.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

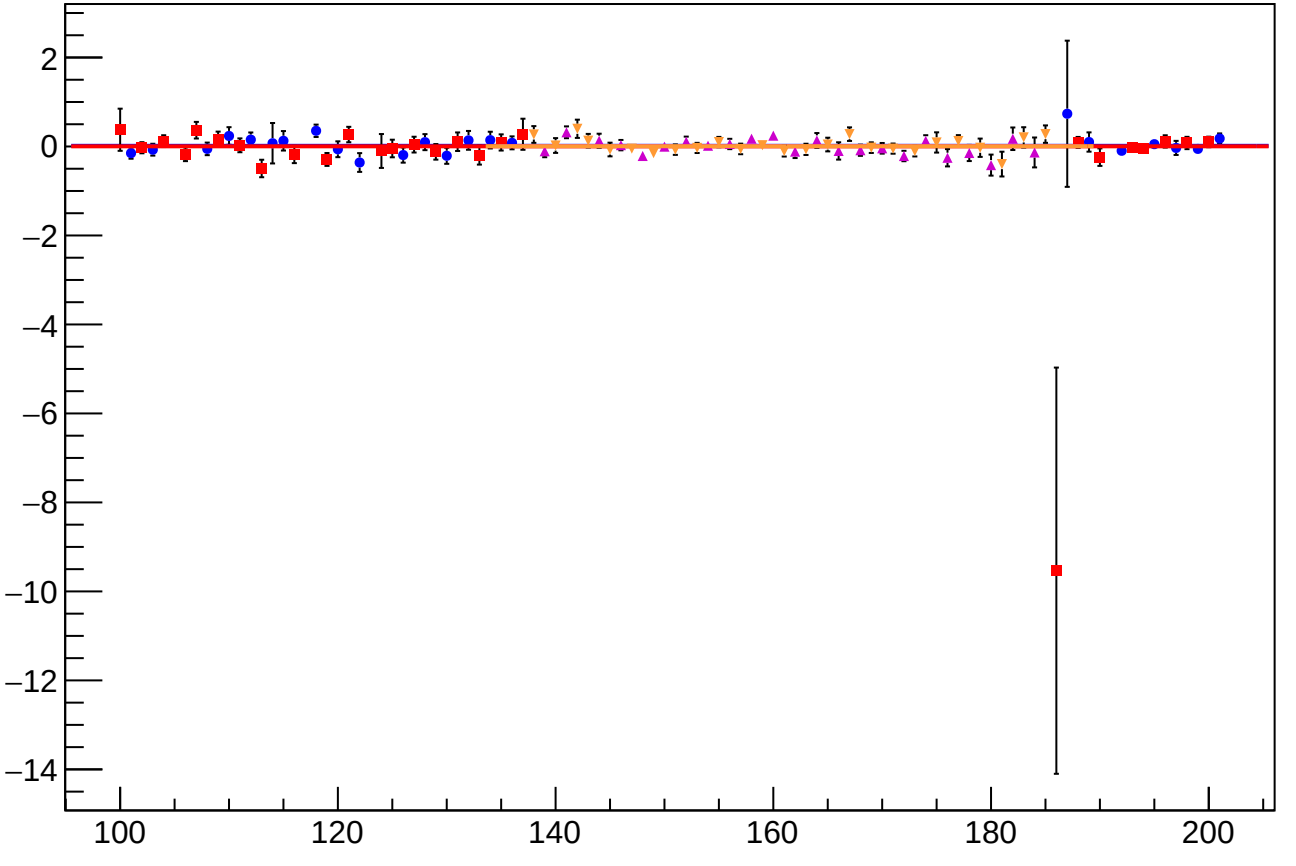
Right: 82.909+/-0.012 χ^2/NDF: 1529282.8/49

In: 82.913+/-0.011 χ^2/NDF:2391068.0/45

Out: 83.273+/-0.011 χ^2/NDF:2885092.4/51

All: 83.098+/-0.008 χ^2/NDF: 5276689.8/97

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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: 0.004+/-0.031 χ^2/NDF: 32.2/26

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

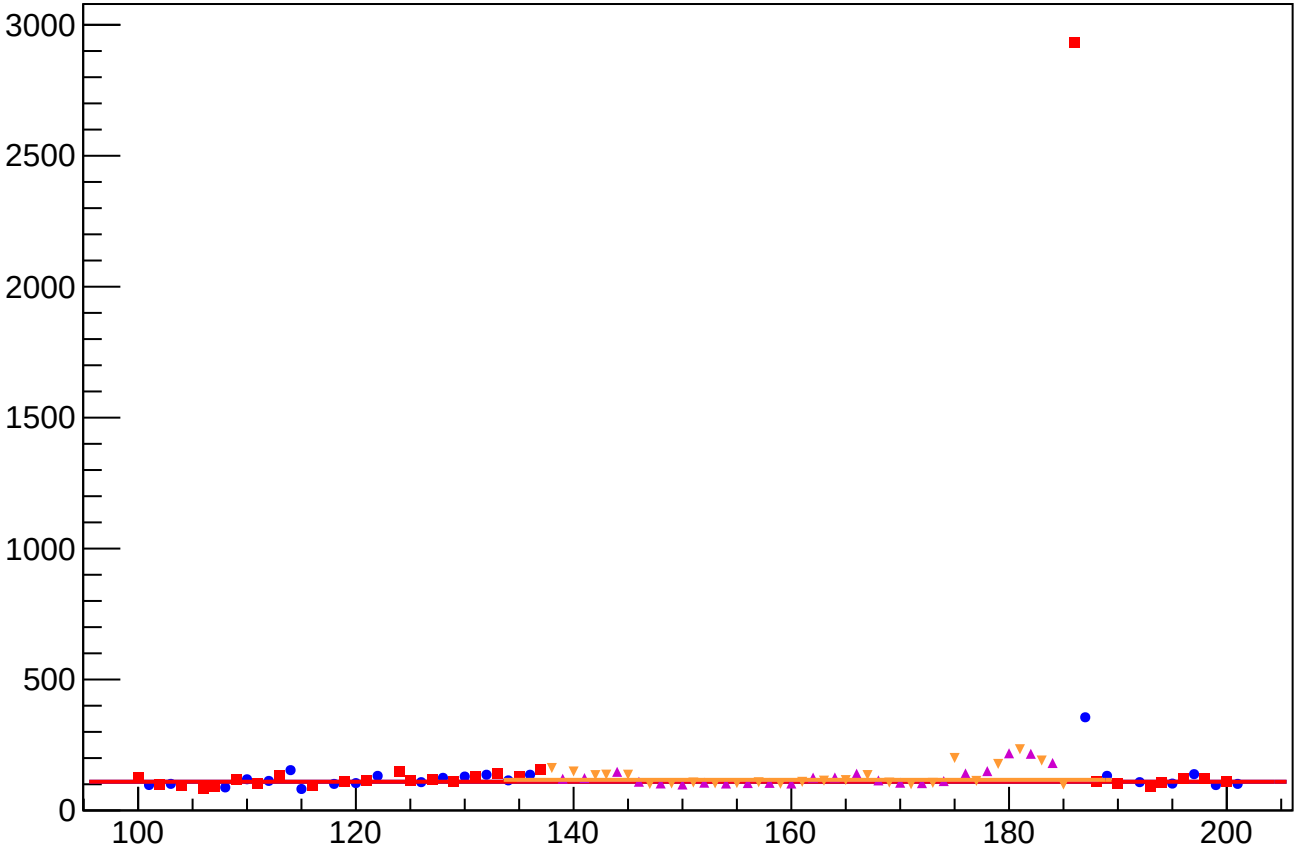
Right: 0.009+/-0.023 χ^2/NDF: 54.5/49

In: 0.012+/-0.021 χ^2/NDF:53.5/45

Out: 0.005+/-0.021 χ^2/NDF:53.5/51

All: 0.008+/-0.015 χ^2/NDF: 107.1/97

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: 109.687+/-0.022 χ^2/NDF: 1170618.4/26

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

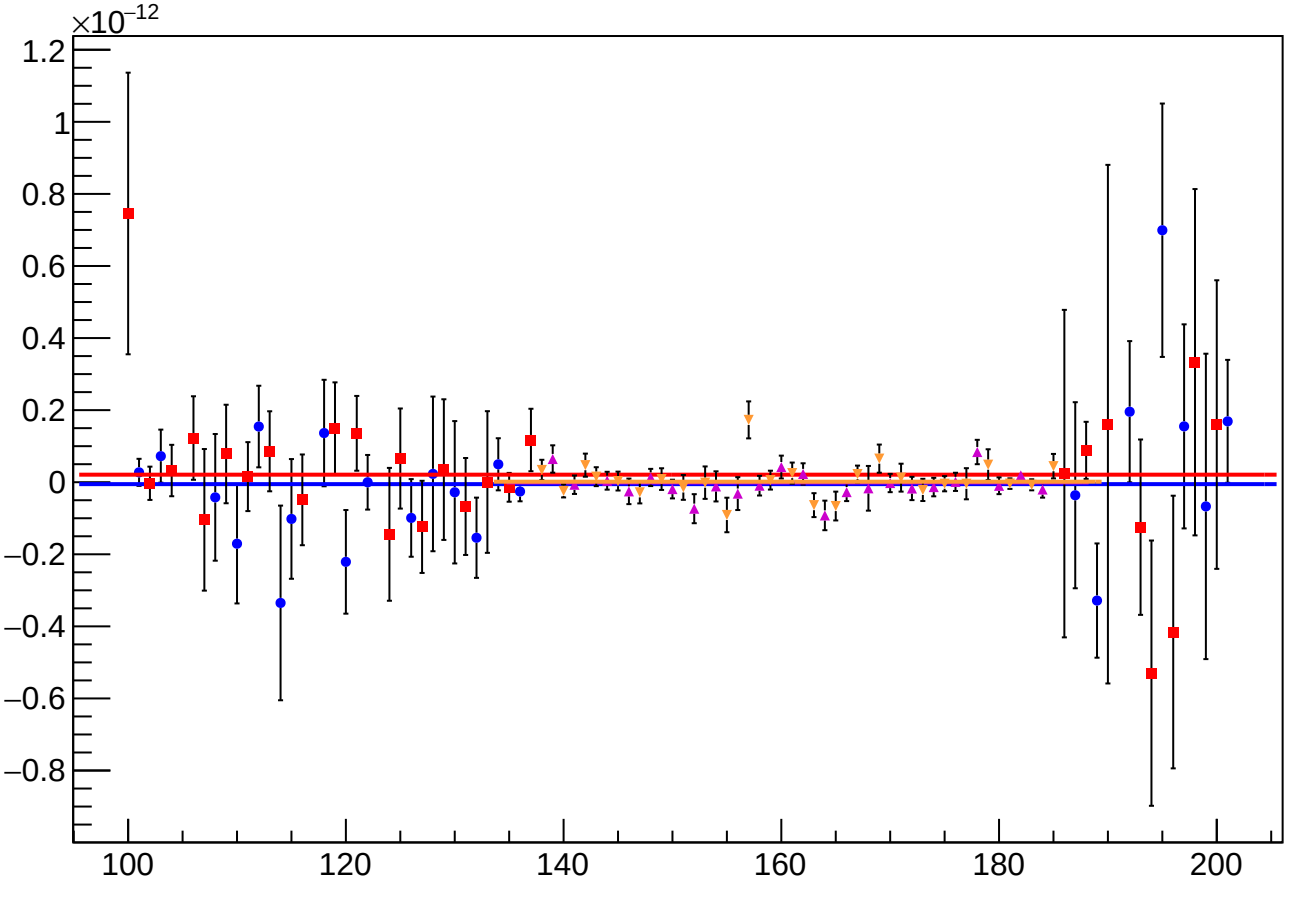
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.581+/-0.016 χ^2/NDF: 1653908.8/49

In: 113.114+/-0.015 χ^2/NDF:1758833.1/45

Out: 113.714+/-0.015 χ^2/NDF:2826643.3/51

All: 113.421+/-0.011 χ^2/NDF: 4586291.0/97



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: 17.8/26

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

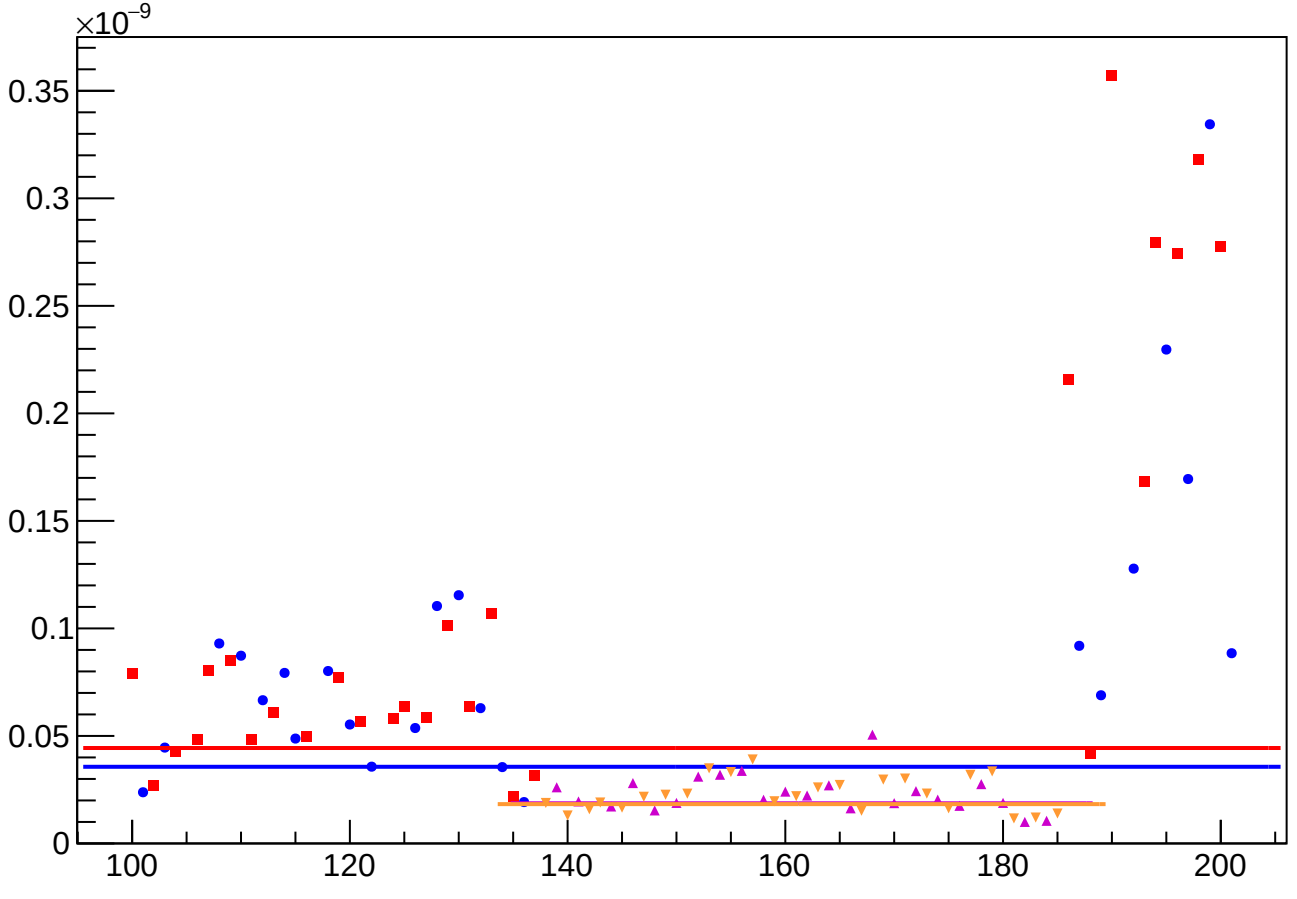
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 43.0/49

In: -0.000+/-0.000 χ^2/NDF:51.1/45

Out: 0.000+/-0.000 χ^2/NDF:55.3/51

All: 0.000+/-0.000 χ^2/NDF: 106.6/97



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: 6008485.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

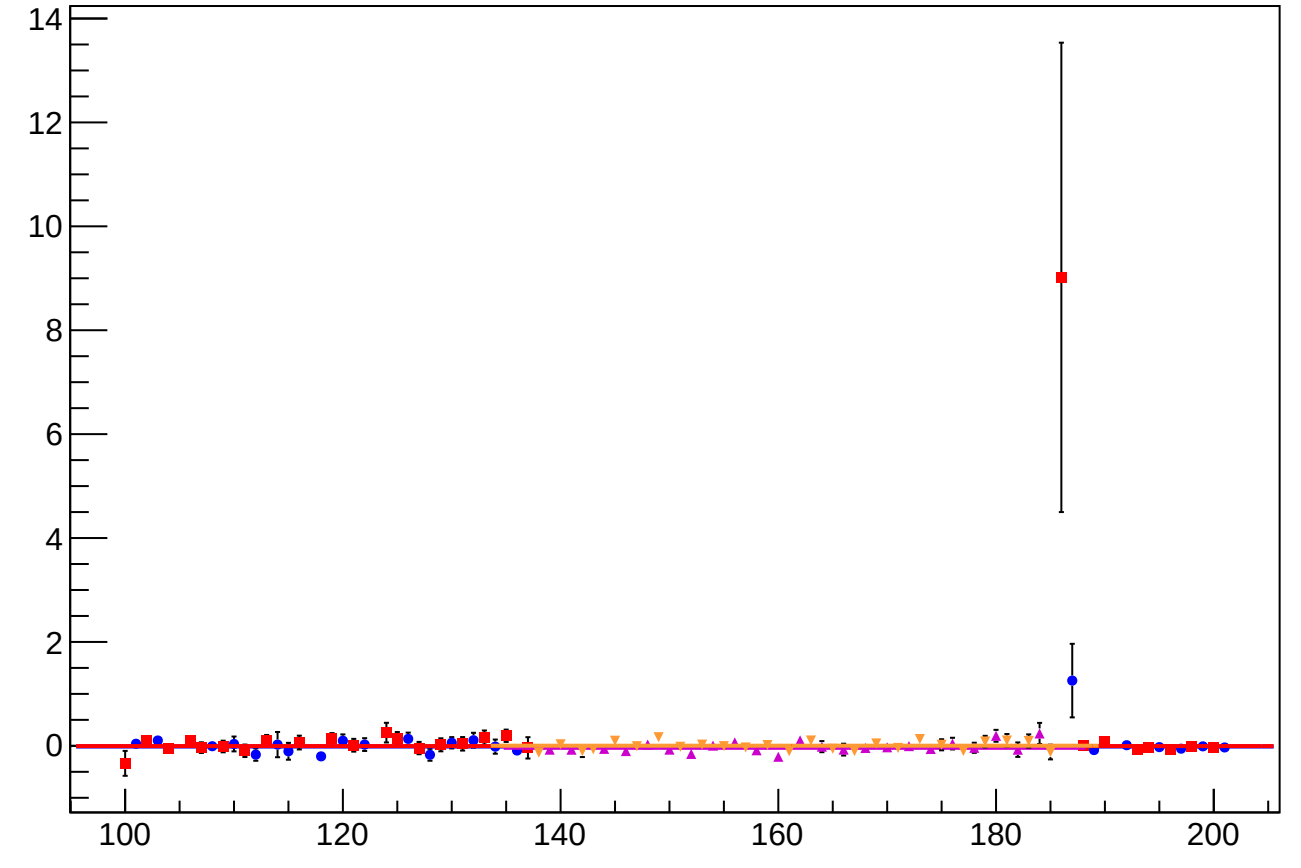
Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11630245.6/49

In: 0.000+/-0.000 χ^2/NDF:10015824.8/45

Out: 0.000+/-0.000 χ^2/NDF:12150298.1/51

All: 0.000+/-0.000 χ^2/NDF: 22168128.5/97



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: -0.004+/-0.014 χ^2/NDF: 33.1/26

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

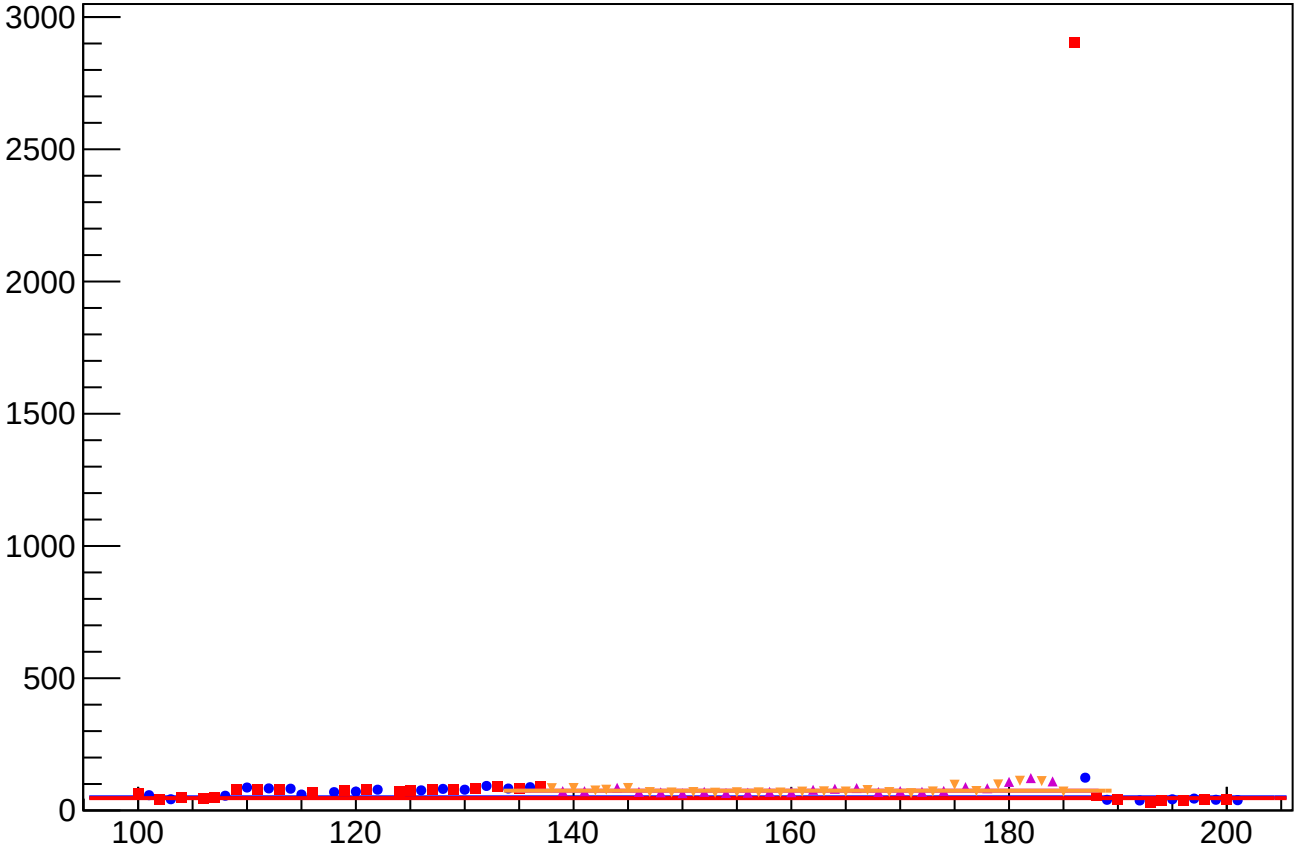
Right: -0.008+/-0.010 χ^2/NDF: 56.0/49

In: -0.024+/-0.012 χ^2/NDF:45.5/45

Out: -0.002+/-0.011 χ^2/NDF:54.7/51

All: -0.012+/-0.008 χ^2/NDF: 102.1/97

asym_usr_overload_cor_vs_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: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

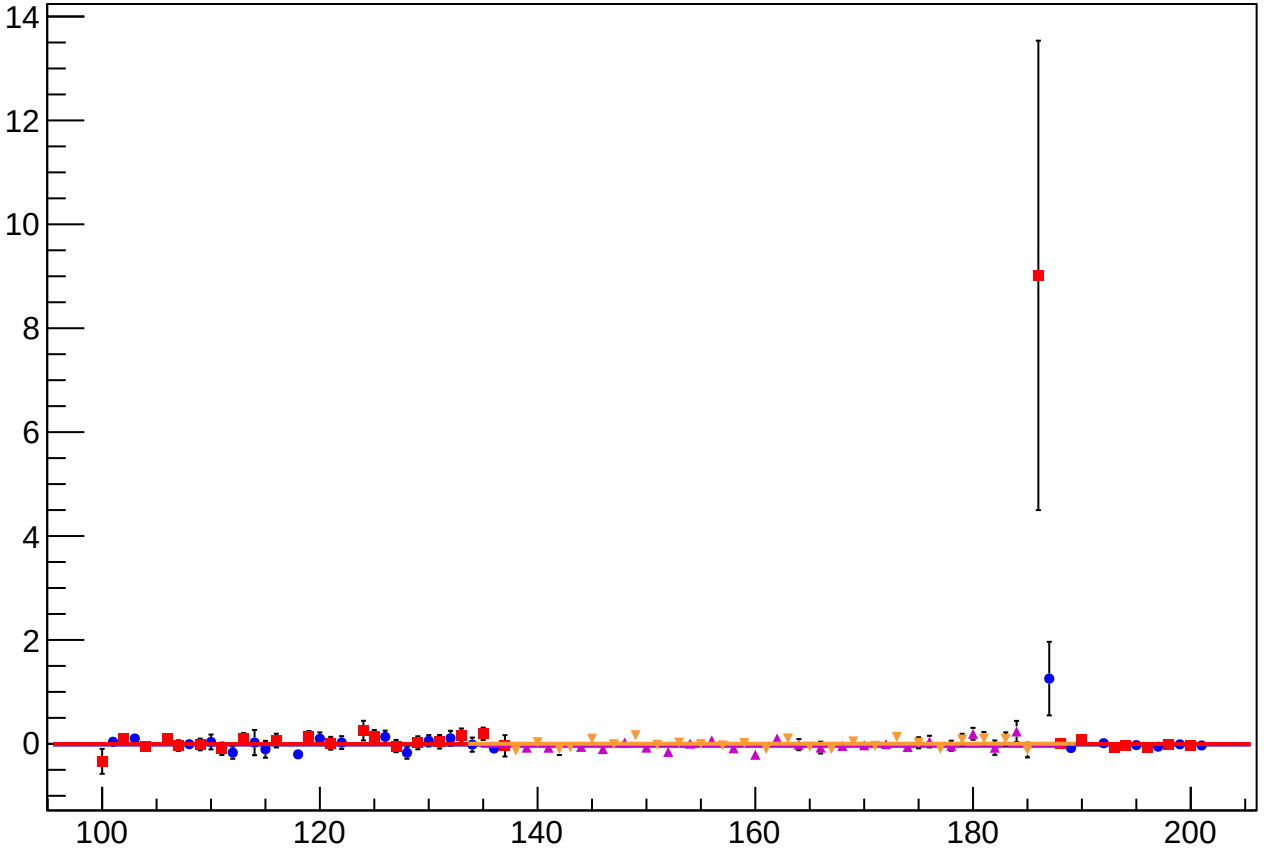
Right: 47.998+/-0.007 χ^2/NDF: 5789223.2/49

In: 60.234+/-0.008 χ^2/NDF:5166026.8/45

Out: 57.766+/-0.008 χ^2/NDF:7430591.7/51

All: 58.929+/-0.006 χ^2/NDF: 12644212.0/97

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: -0.004+/-0.014 χ^2/NDF: 33.1/26

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

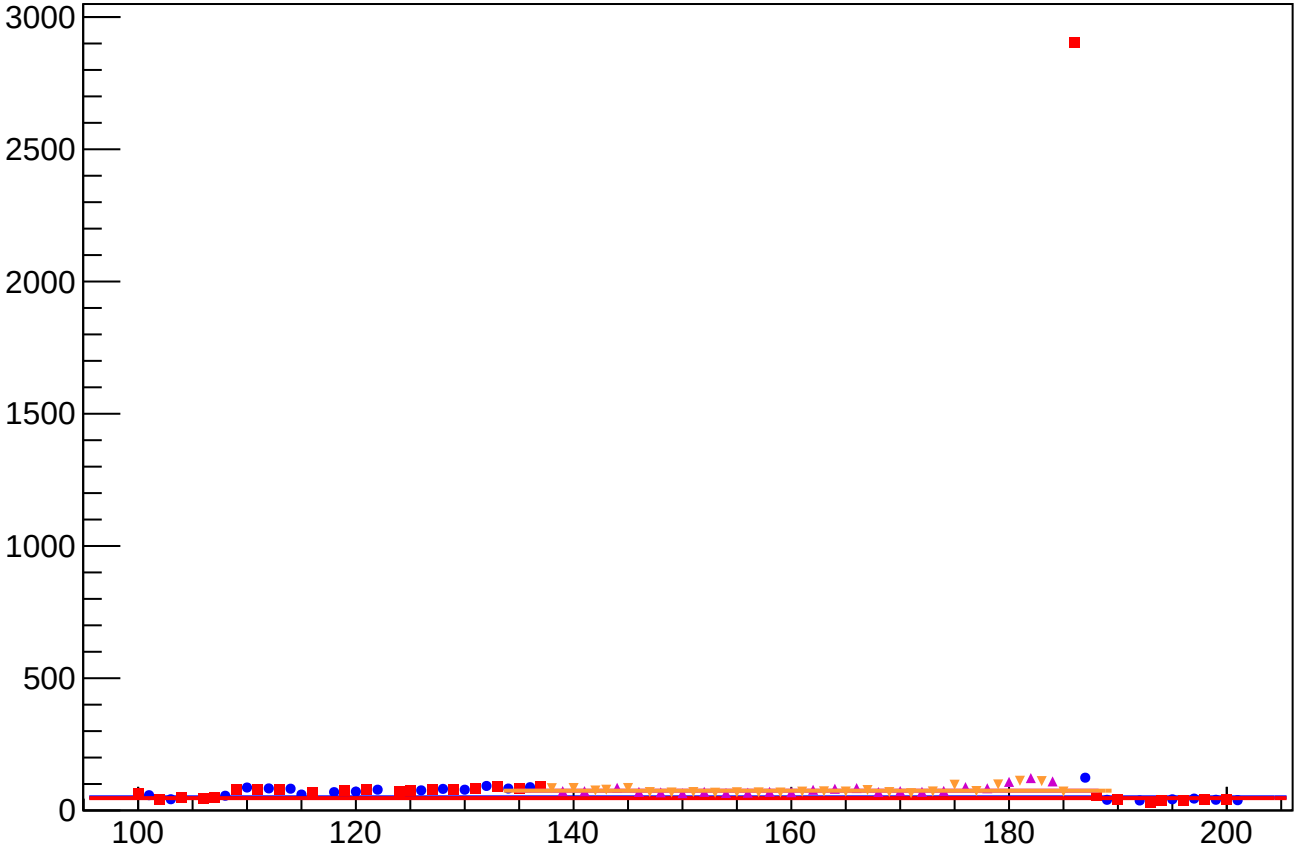
Right: -0.008+/-0.010 χ^2/NDF: 56.0/49

In: -0.024+/-0.012 χ^2/NDF:45.5/45

Out: -0.002+/-0.011 χ^2/NDF:54.7/51

All: -0.012+/-0.008 χ^2/NDF: 102.1/97

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: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

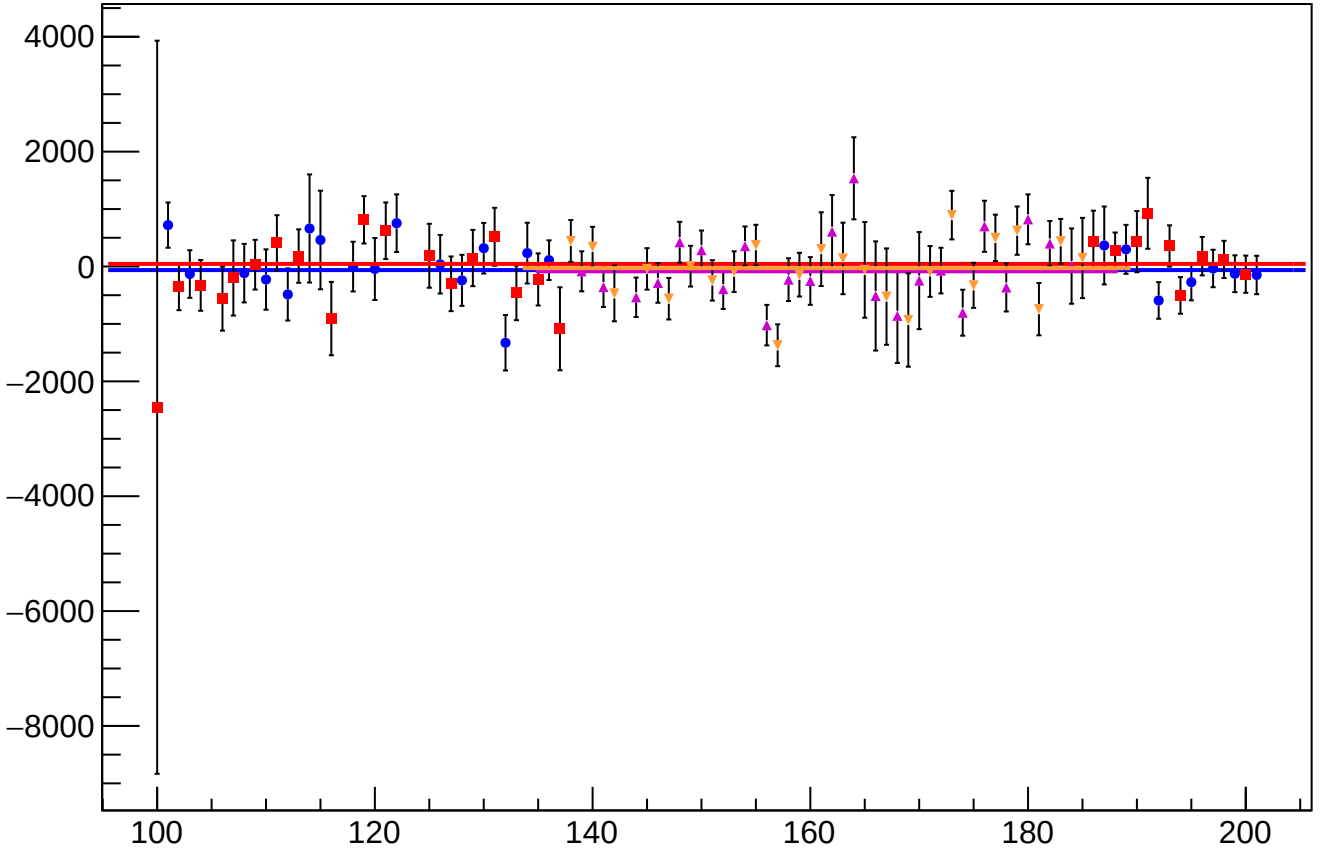
Right: 47.998+/-0.007 χ^2/NDF: 5789223.2/49

In: 60.234+/-0.008 χ^2/NDF:5166026.8/45

Out: 57.766+/-0.008 χ^2/NDF:7430591.7/51

All: 58.929+/-0.006 χ^2/NDF: 12644212.0/97

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: 44.971+/-85.797 χ^2/NDF: 24.2/26

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

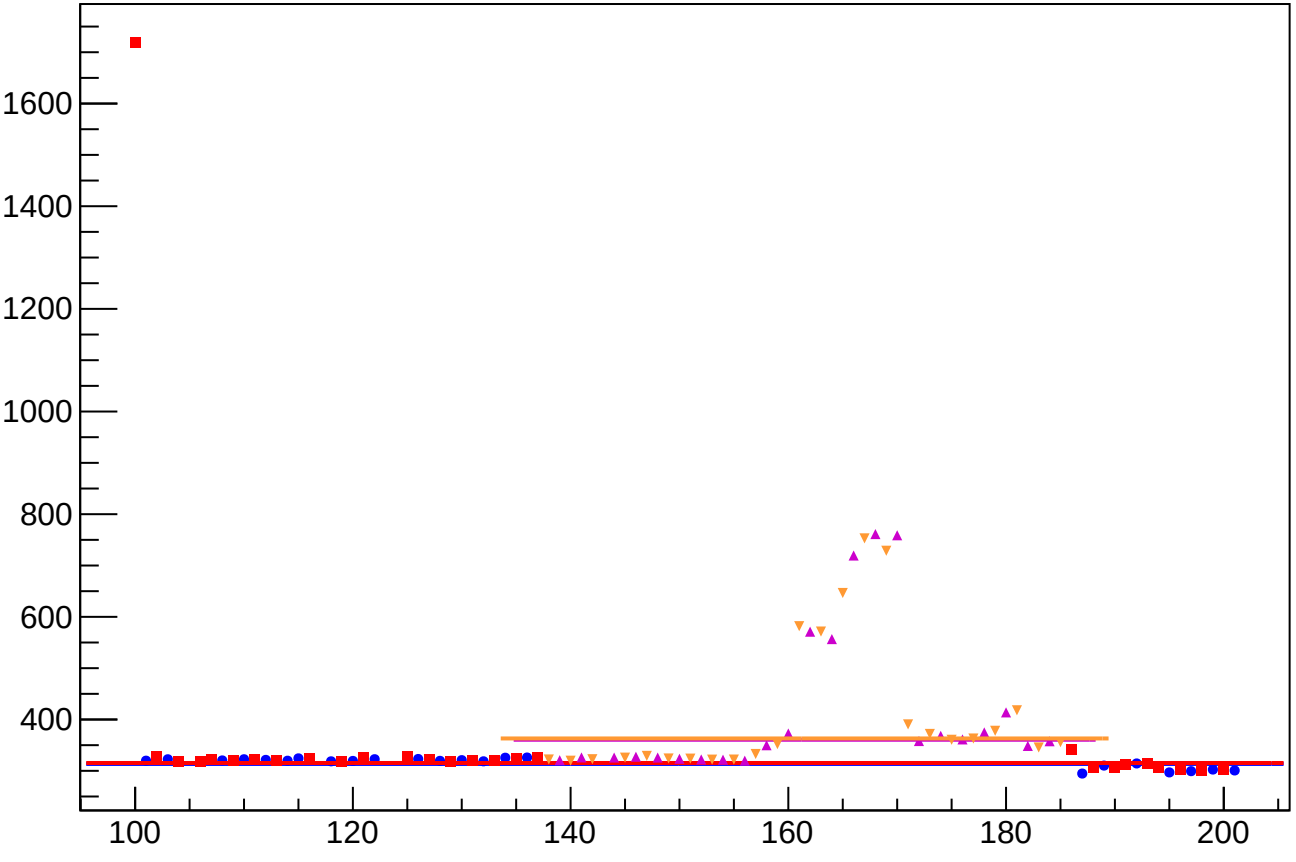
Right: -6.726+/-61.839 χ^2/NDF: 46.4/49

In: -73.497+/-62.092 χ^2/NDF:57.2/45

Out: 8.129+/-60.925 χ^2/NDF:61.2/50

All: -31.910+/-43.487 χ^2/NDF: 119.3/96

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: 315.283+/-0.061 χ^2/NDF: 123225.0/26

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

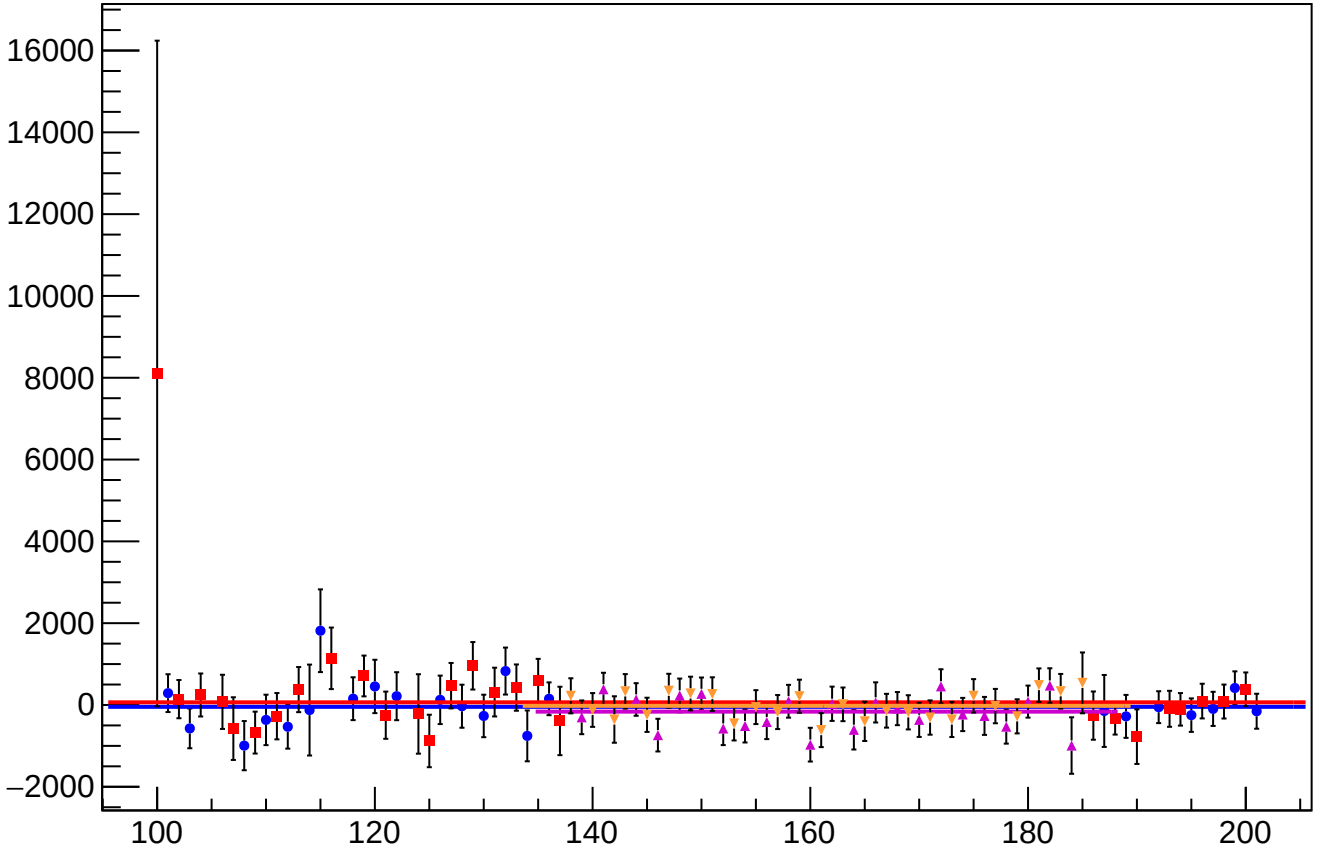
Right: 314.422+/-0.044 χ^2/NDF: 149838.5/49

In: 337.771+/-0.044 χ^2/NDF:2131249.1/45

Out: 338.978+/-0.043 χ^2/NDF:2226499.9/50

All: 338.386+/-0.031 χ^2/NDF: 4358134.2/96

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: 64.751+/-104.130 χ^2/NDF: 19.5/26

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

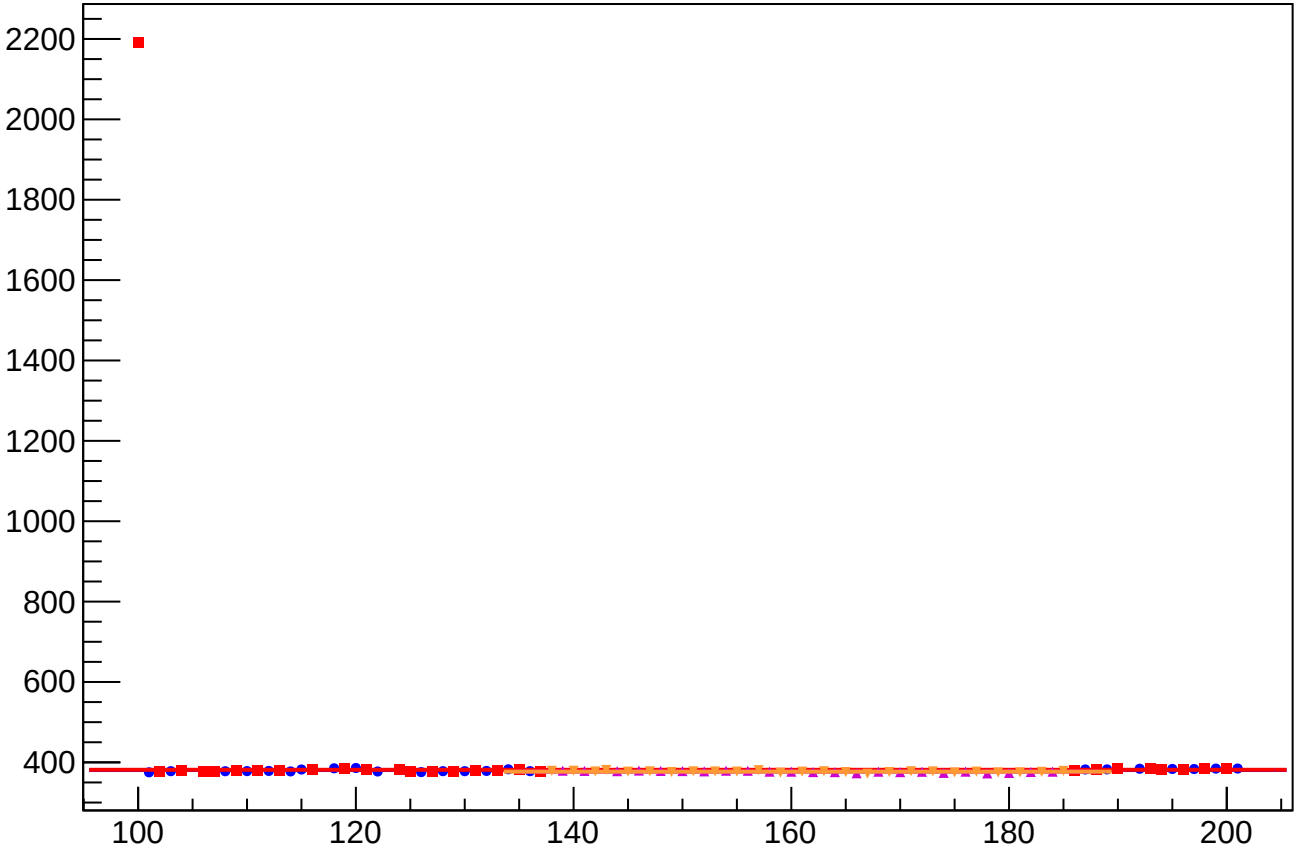
Right: 11.800+/-75.072 χ^2/NDF: 35.6/49

In: -116.293+/-68.300 χ^2/NDF:38.0/45

Out: 13.553+/-66.134 χ^2/NDF:32.5/51

All: -49.279+/-47.511 χ^2/NDF: 72.4/97

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: 381.474+/-0.074 χ^2/NDF: 100416.0/26

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

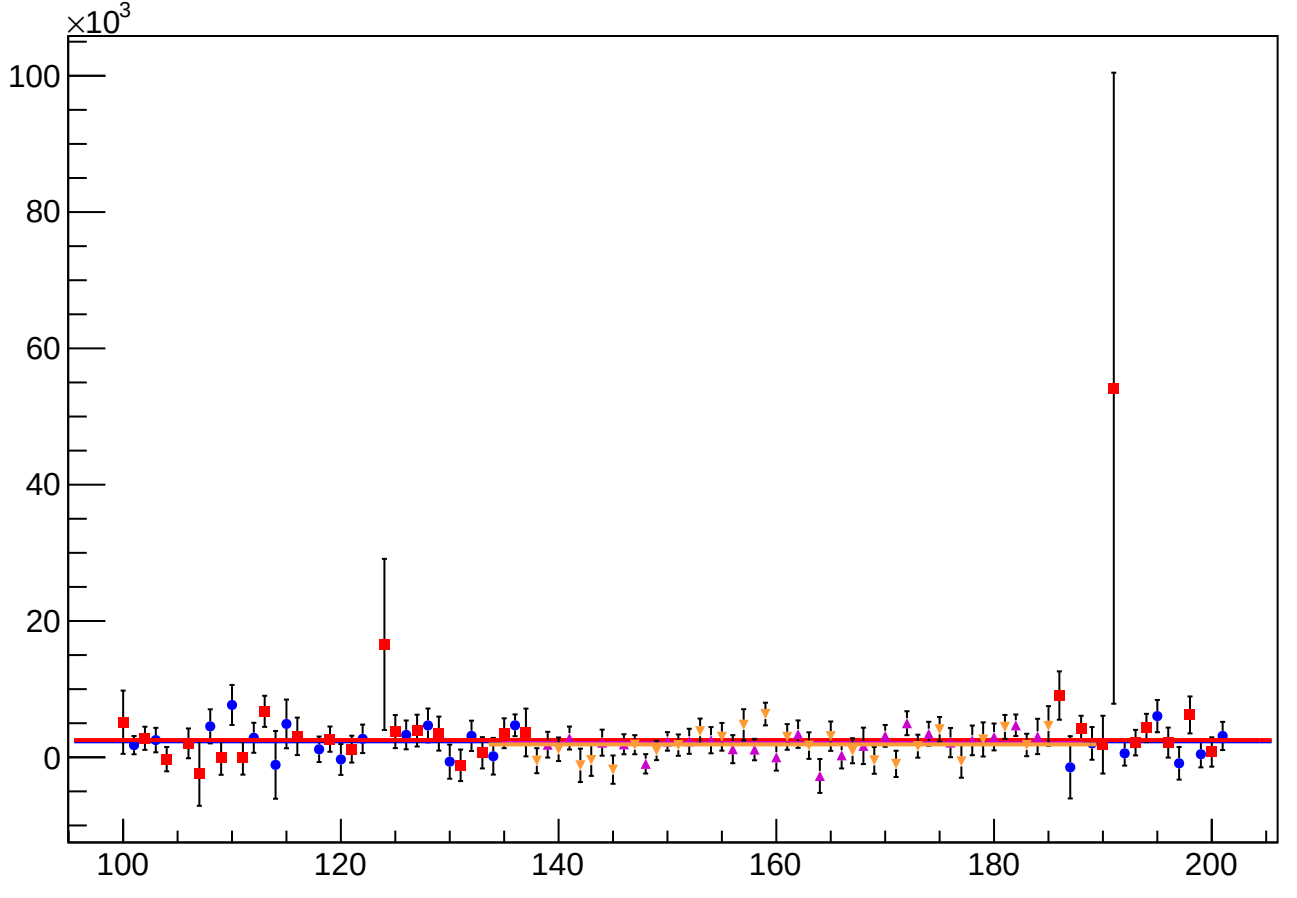
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 381.200+/-0.053 χ^2/NDF: 102314.7/49

In: 378.459+/-0.048 χ^2/NDF:4633.9/45

Out: 378.749+/-0.047 χ^2/NDF:103770.7/51

All: 378.608+/-0.034 χ^2/NDF: 108423.2/97



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: 2532.137+/-455.370 χ^2/NDF: 24.2/27

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

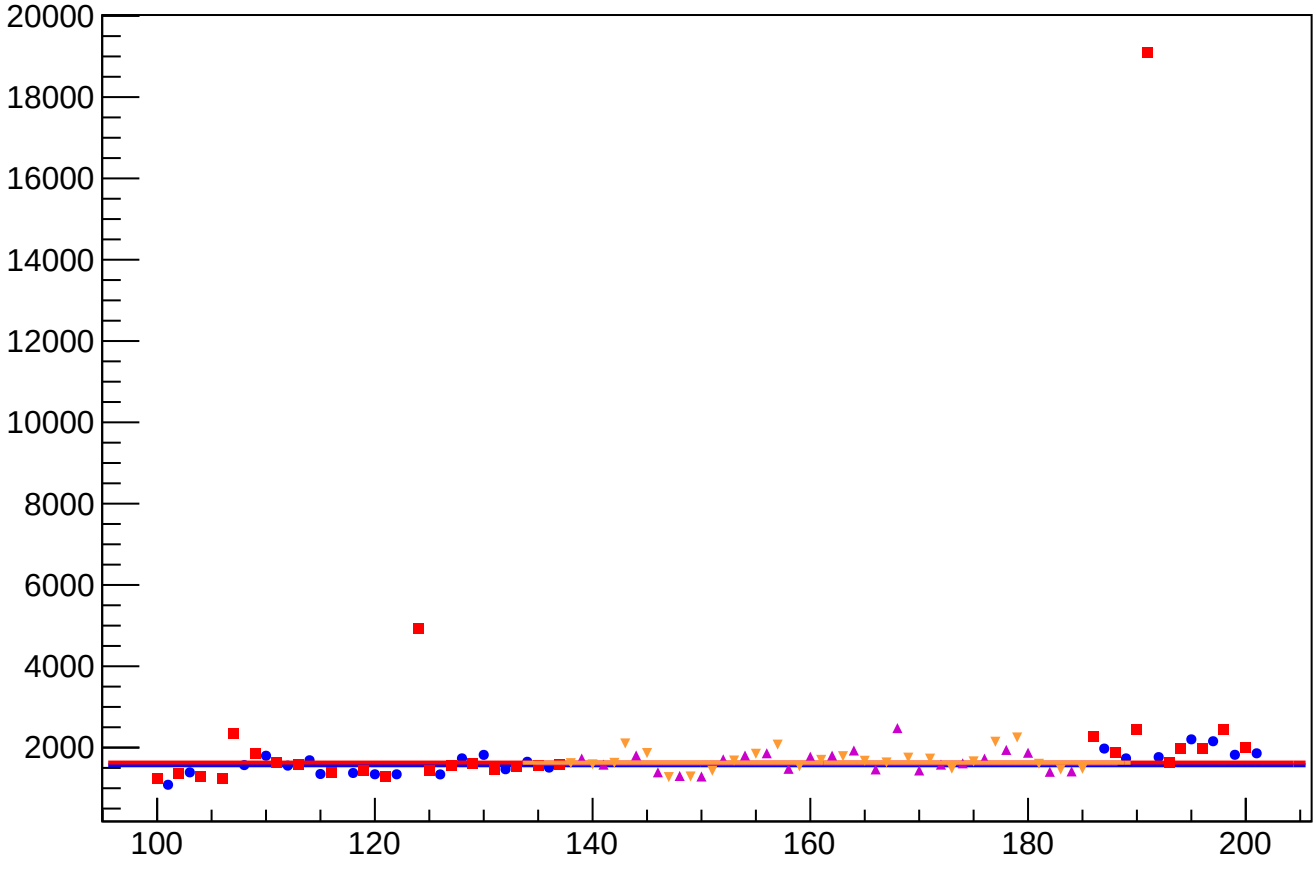
Right: 2437.598+/-321.689 χ^2/NDF: 43.9/50

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

Out: 2150.448+/-289.610 χ^2/NDF:53.8/52

All: 2176.613+/-205.310 χ^2/NDF: 92.1/98

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: 1631.918+/-0.322 χ^2/NDF: 1335026.3/27

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

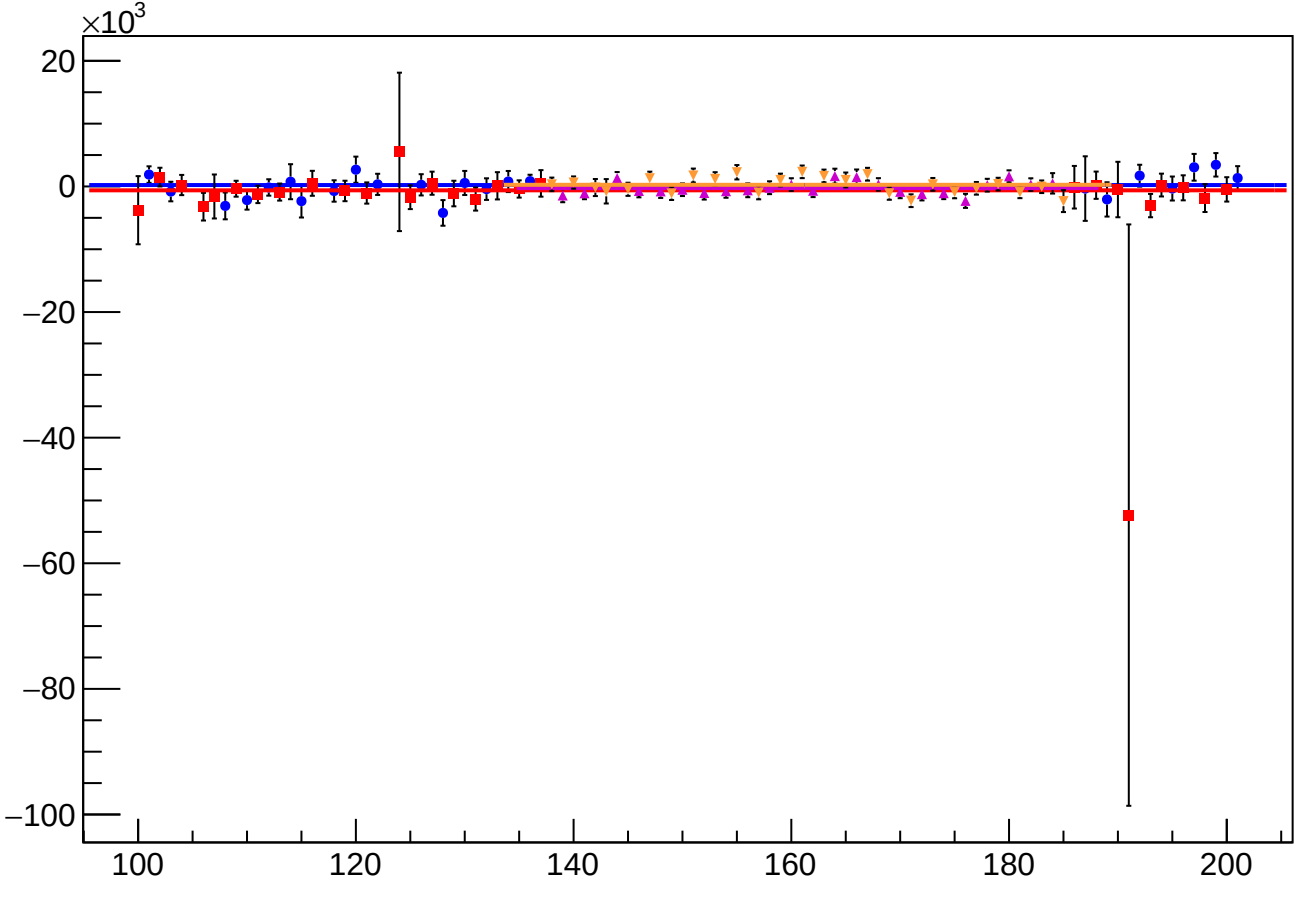
Right: 1598.263+/-0.227 χ^2/NDF: 2171144.7/50

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

Out: 1629.870+/-0.205 χ^2/NDF:2114189.0/52

All: 1608.255+/-0.145 χ^2/NDF: 3752335.2/98

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: -617.996+/-363.360 χ^2/NDF: 10.5/27

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

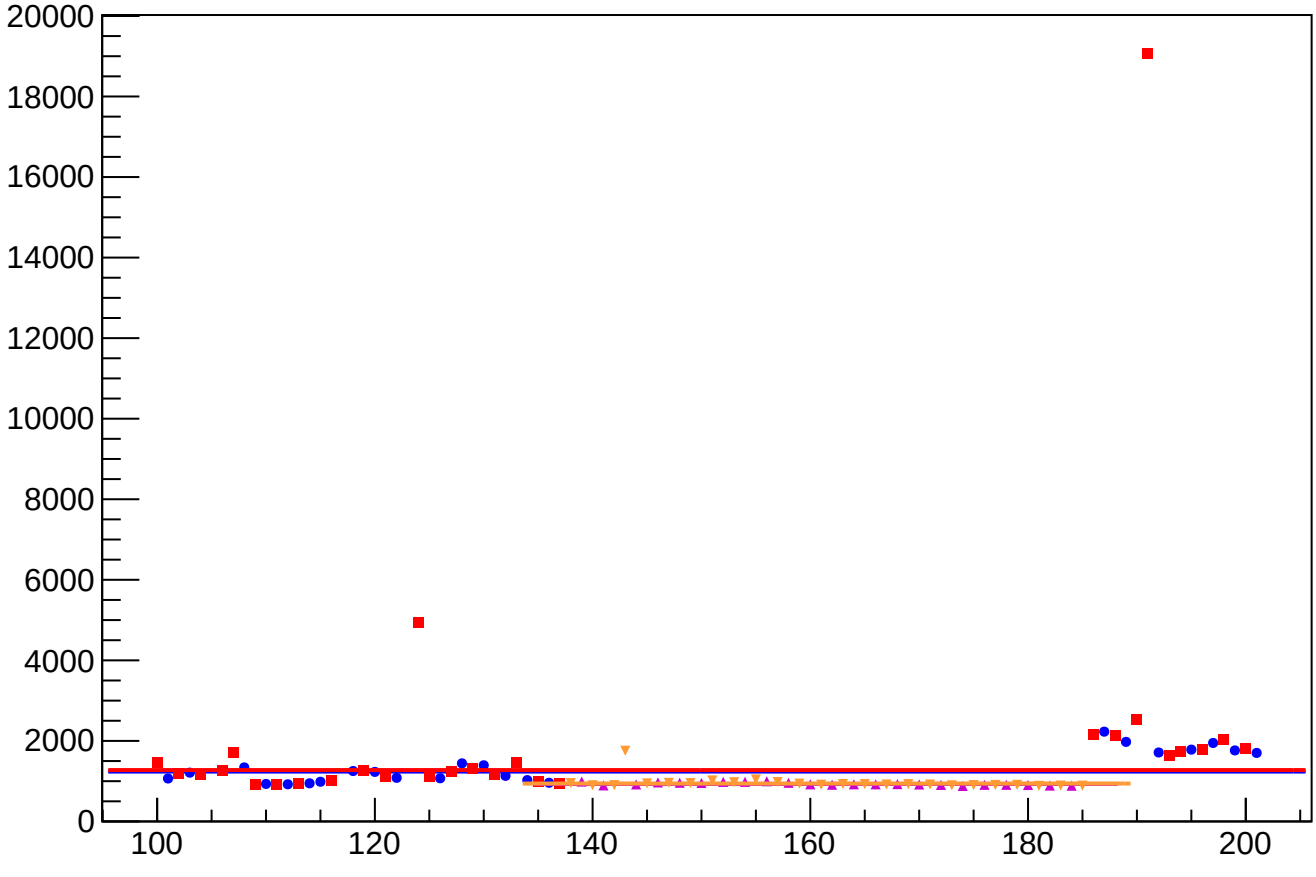
Right: -199.337+/-257.459 χ^2/NDF: 34.9/50

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

Out: 34.144+/-185.011 χ^2/NDF:48.7/52

All: -51.267+/-131.499 χ^2/NDF: 93.6/98

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: 1275.808+/-0.257 χ^2/NDF: 2491531.8/27

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

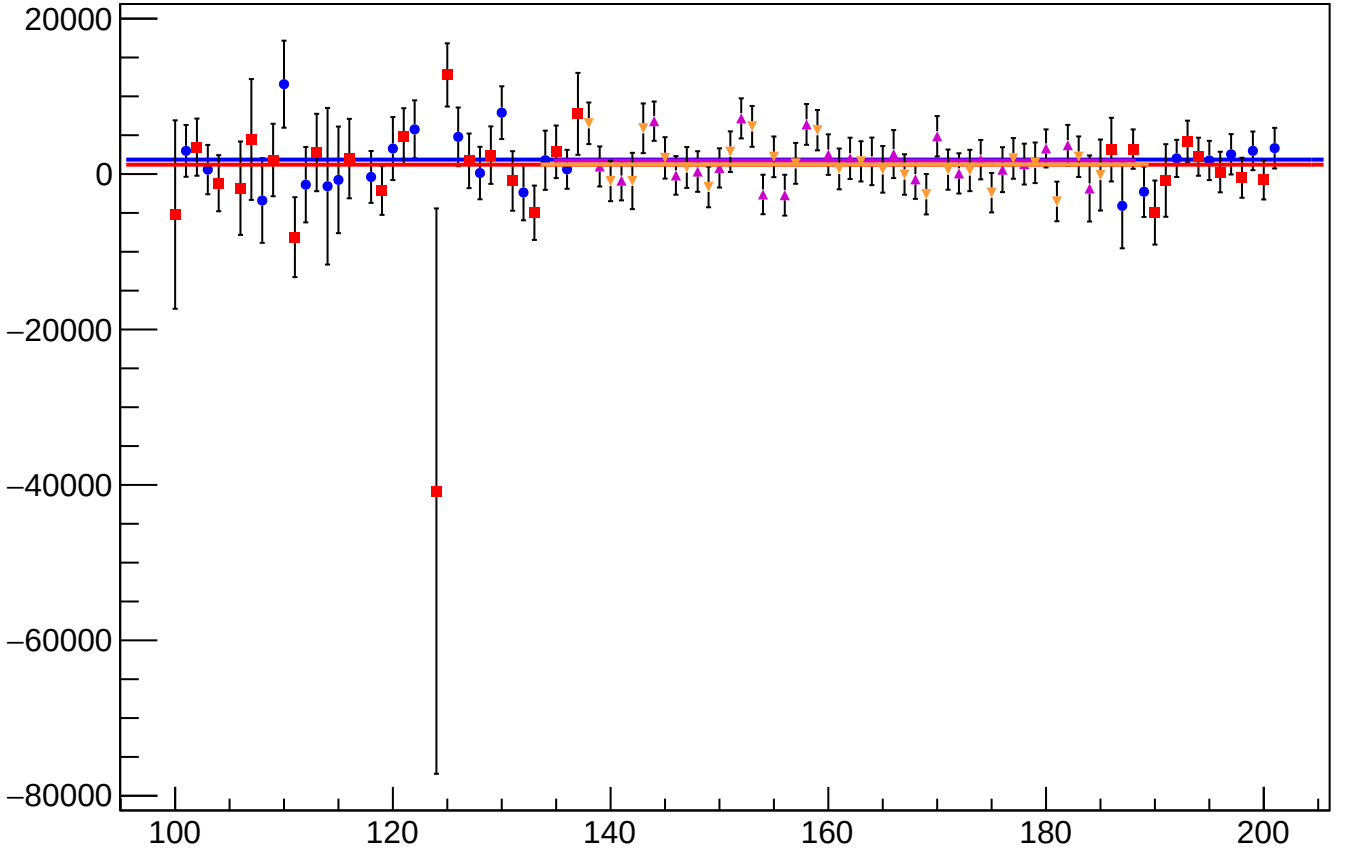
Right: 1257.308+/-0.182 χ^2/NDF: 4069606.3/50

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

Out: 1027.809+/-0.131 χ^2/NDF:4166962.1/52

All: 1020.077+/-0.093 χ^2/NDF: 6835537.0/98

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: 1210.970+/-688.271 χ^2/NDF: 27.7/27

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

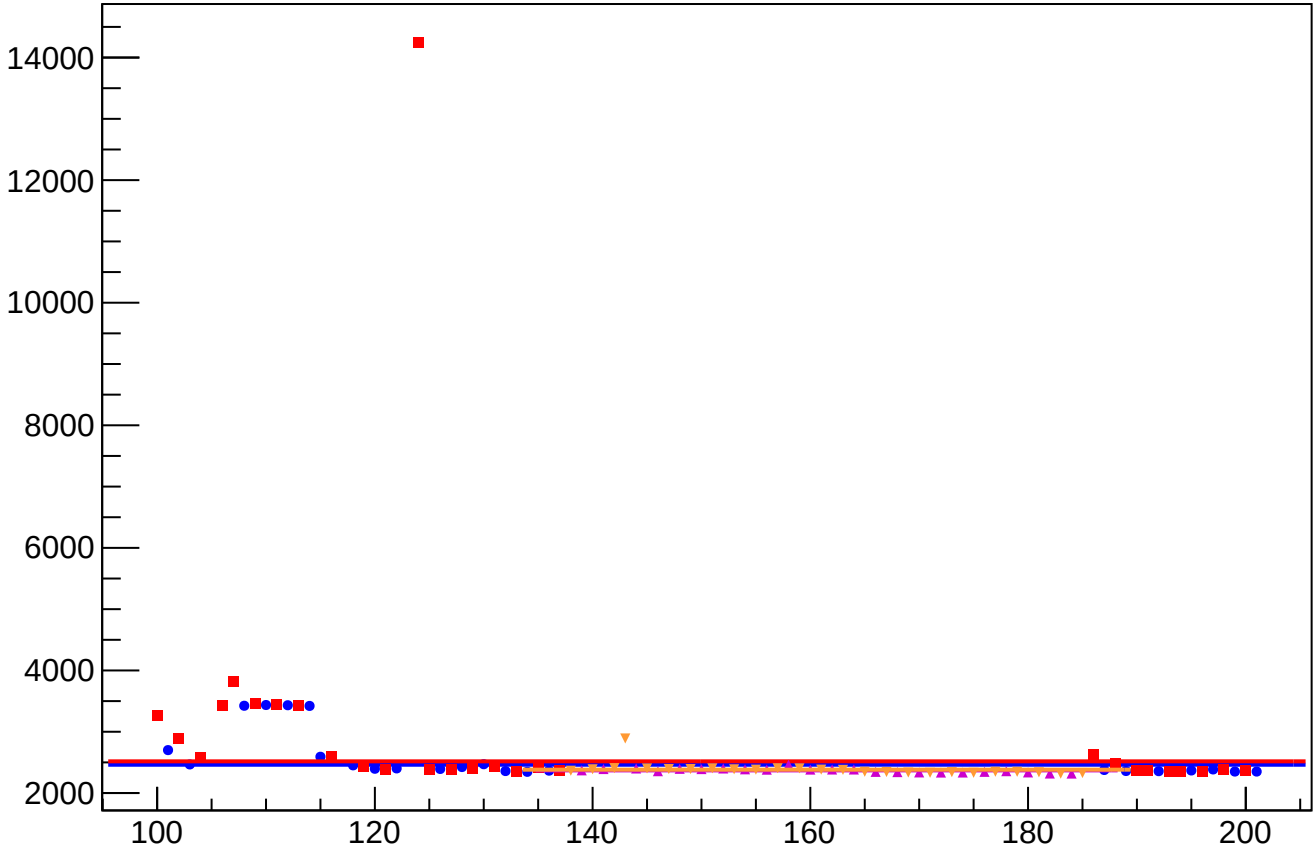
Right: 1528.849+/-492.107 χ^2/NDF: 43.8/50

In: 1787.395+/-434.972 χ^2/NDF:40.1/45

Out: 1225.649+/-425.474 χ^2/NDF:51.5/52

All: 1500.322+/-304.158 χ^2/NDF: 92.4/98

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: 2517.217+/-0.487 χ^2/NDF: 614599.6/27

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

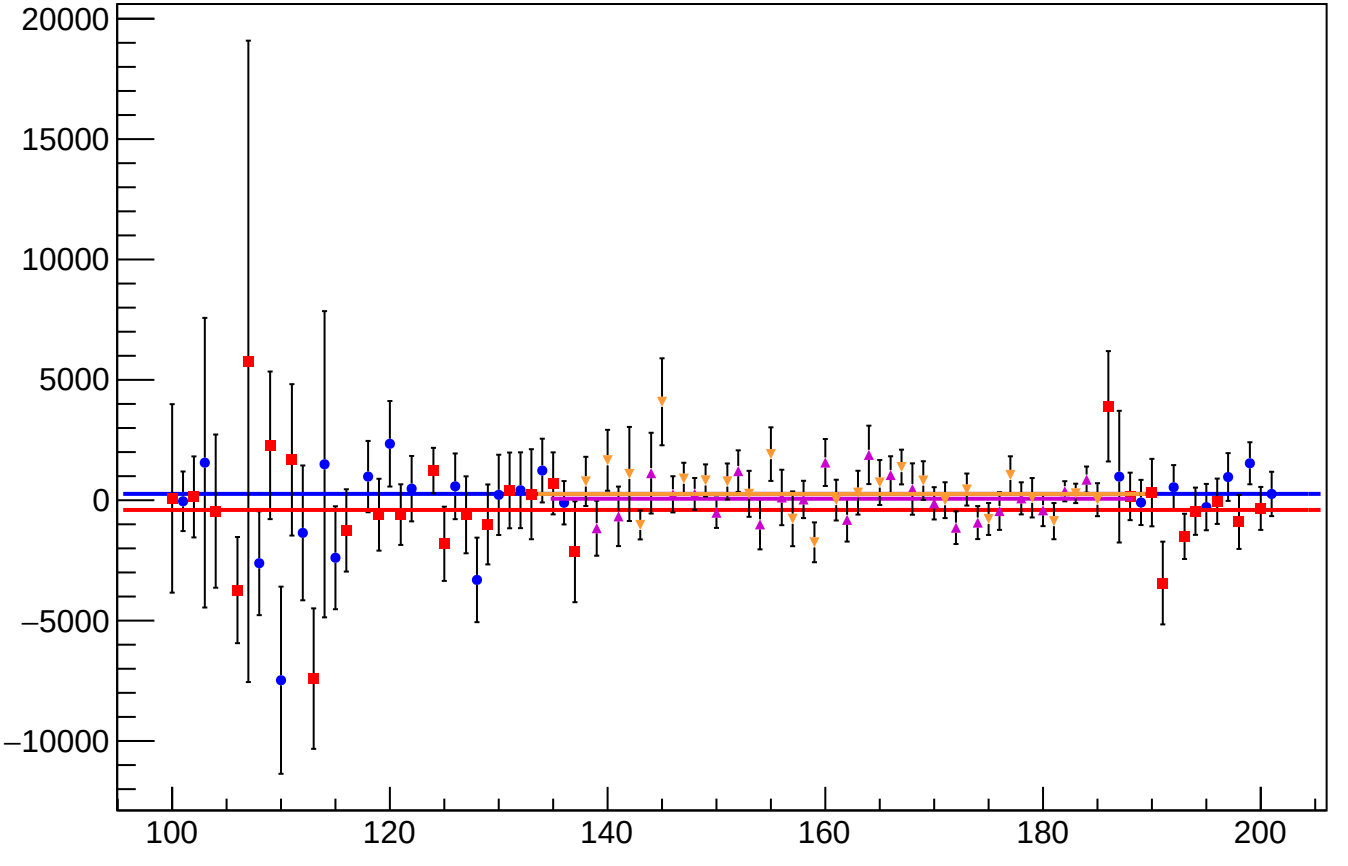
Right: 2490.099+/-0.348 χ^2/NDF: 880029.4/50

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2433.200+/-0.301 χ^2/NDF:720457.1/52

All: 2419.241+/-0.215 χ^2/NDF: 1012254.0/98

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: -403.338+/-270.047 χ^2/NDF: 24.6/27

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

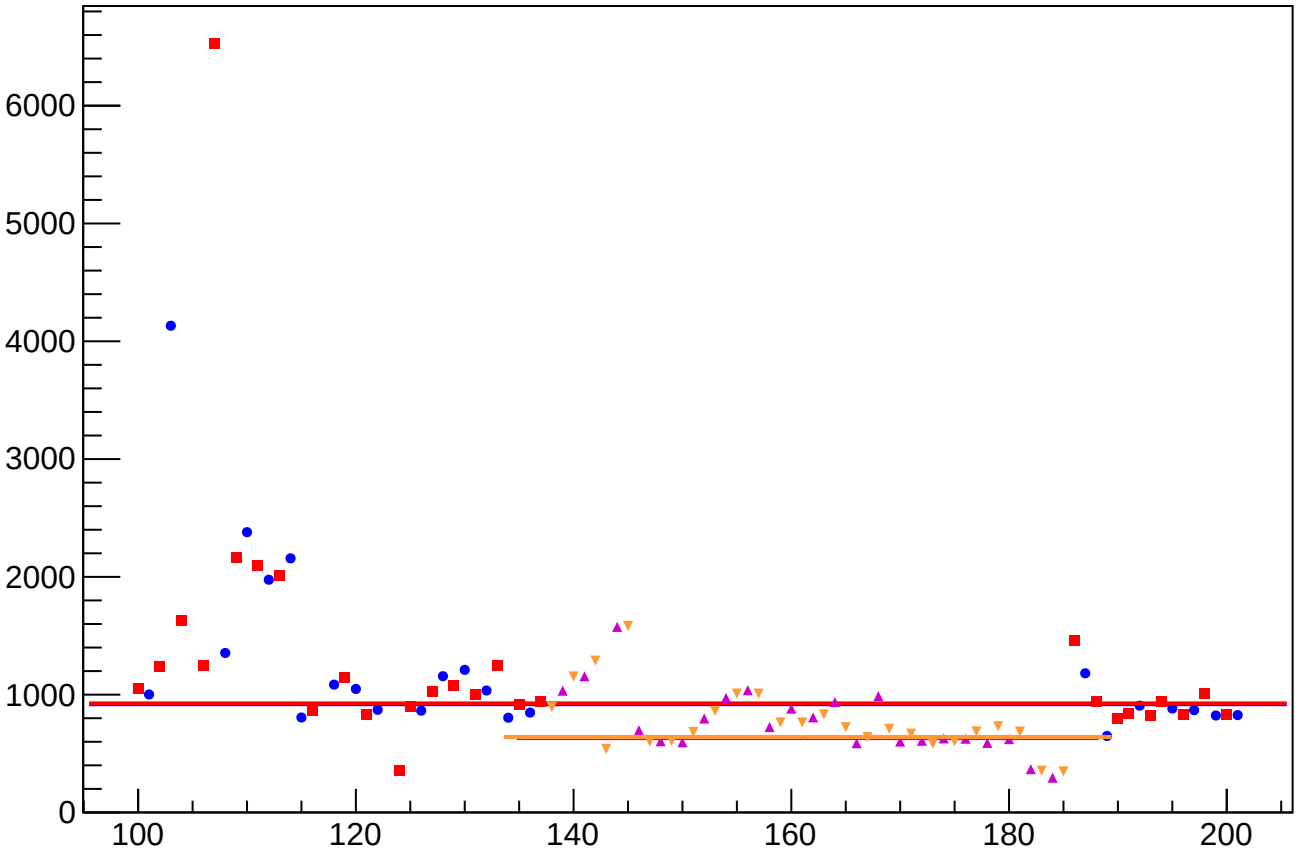
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -77.122+/-193.098 χ^2/NDF: 45.2/50

In: 111.524+/-136.751 χ^2/NDF:40.0/45

Out: 98.618+/-133.782 χ^2/NDF:60.3/52

All: 104.929+/-95.631 χ^2/NDF: 100.3/98



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: 925.793+/-0.191 χ^2/NDF: 2537102.0/27

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

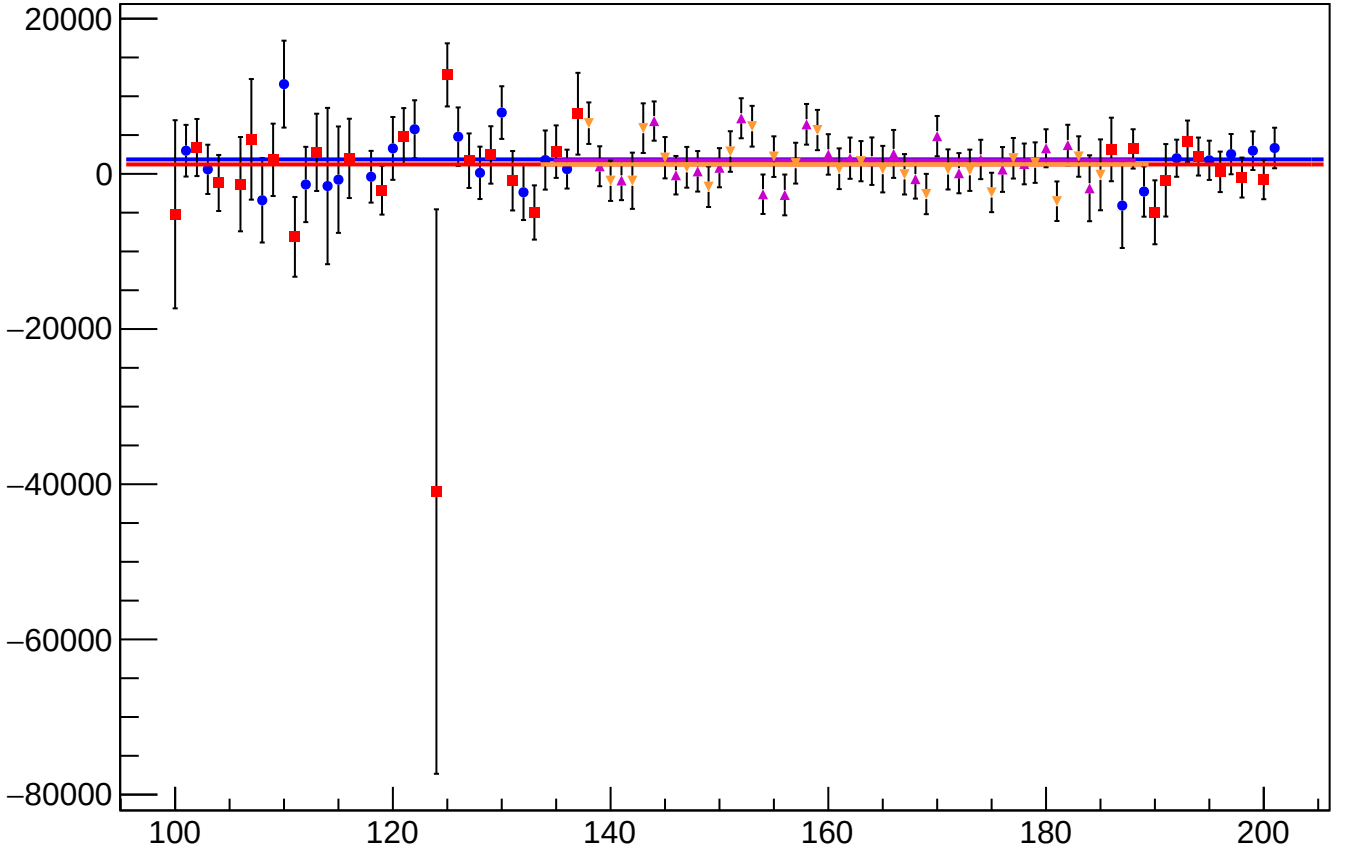
Right: 922.390+/-0.137 χ^2/NDF: 4262339.2/50

In: 701.698+/-0.097 χ^2/NDF:7337136.9/45

Out: 711.013+/-0.095 χ^2/NDF:7688584.6/52

All: 706.458+/-0.068 χ^2/NDF: 15030463.0/98

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: 1215.674+/-688.374 χ^2/NDF: 27.6/27

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

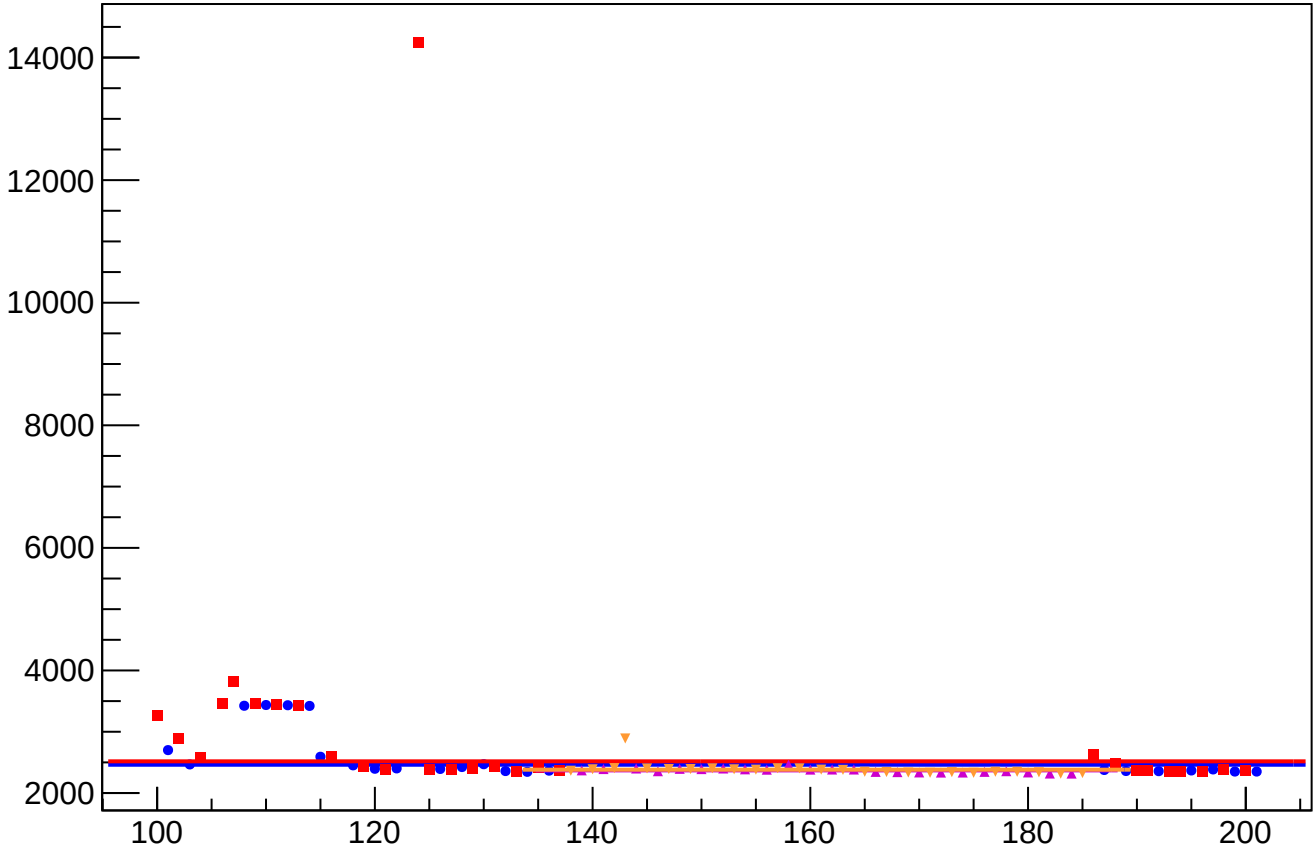
Right: 1531.453+/-492.144 χ^2/NDF: 43.7/50

In: 1787.546+/-434.972 χ^2/NDF:40.1/45

Out: 1227.434+/-425.498 χ^2/NDF:51.4/52

All: 1501.324+/-304.167 χ^2/NDF: 92.3/98

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: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

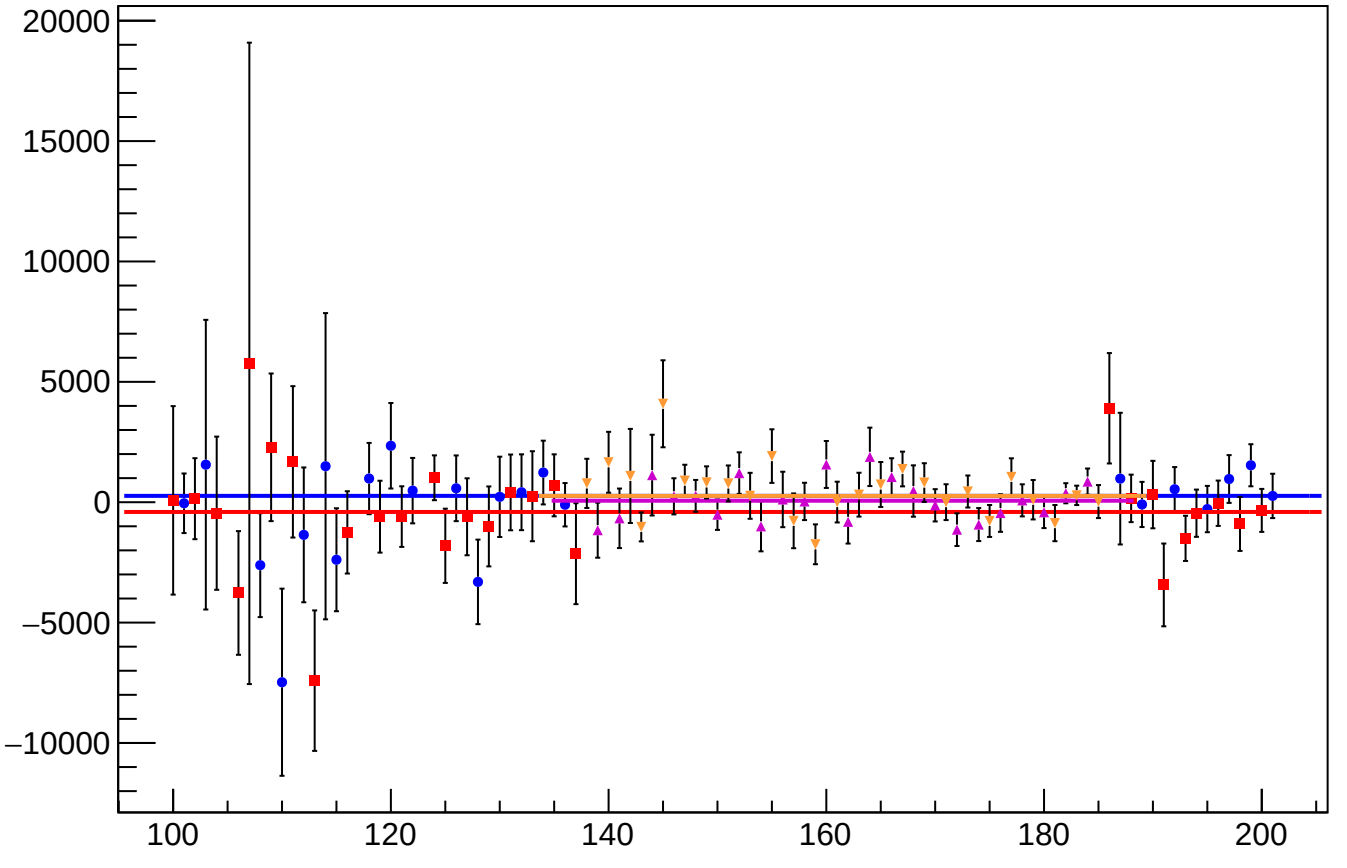
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2490.214+/-0.348 χ^2/NDF: 882937.5/50

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2433.279+/-0.301 χ^2/NDF:723469.3/52

All: 2419.281+/-0.215 χ^2/NDF: 1015290.5/98



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: -404.899+/-270.288 χ^2/NDF: 23.4/27

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

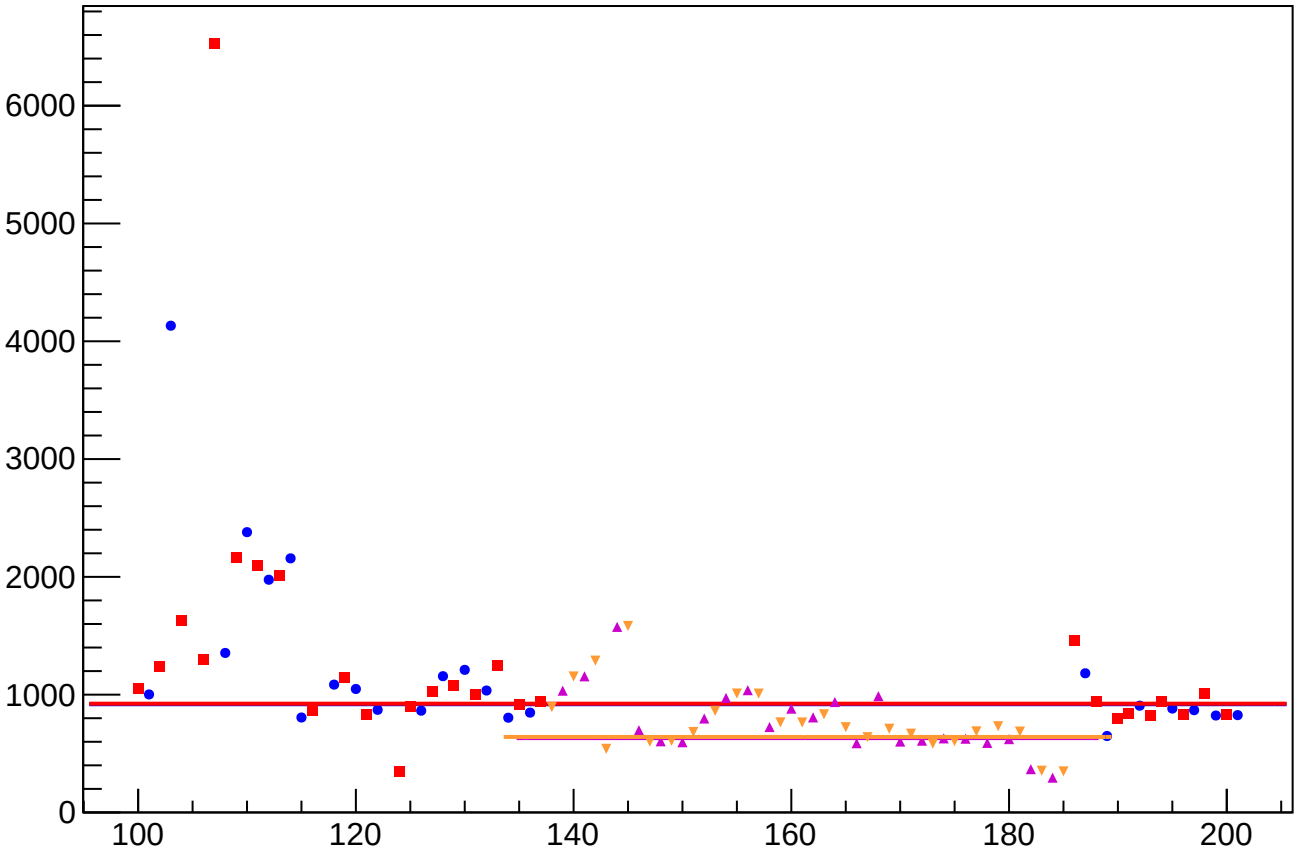
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -77.640+/-193.186 χ^2/NDF: 43.9/50

In: 111.528+/-136.751 χ^2/NDF:39.9/45

Out: 98.664+/-133.813 χ^2/NDF:59.1/52

All: 104.956+/-95.642 χ^2/NDF: 99.0/98



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: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

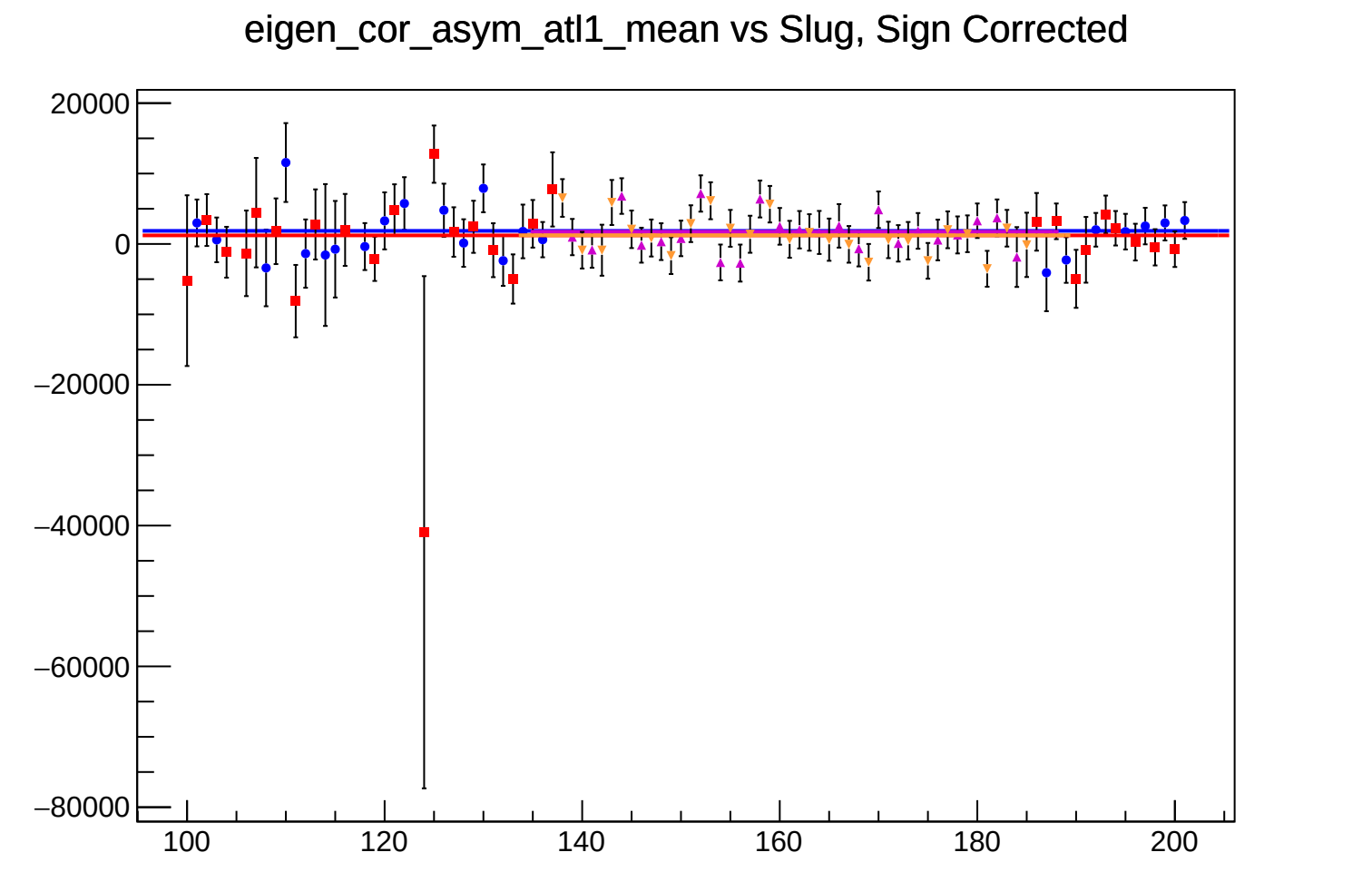
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 921.180+/-0.137 χ^2/NDF: 4292199.7/50

In: 701.697+/-0.097 χ^2/NDF:7337283.2/45

Out: 710.350+/-0.095 χ^2/NDF:7688448.6/52

All: 706.118+/-0.068 χ^2/NDF: 15029823.1/98



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: 1215.674+/-688.374 χ^2/NDF: 27.6/27

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

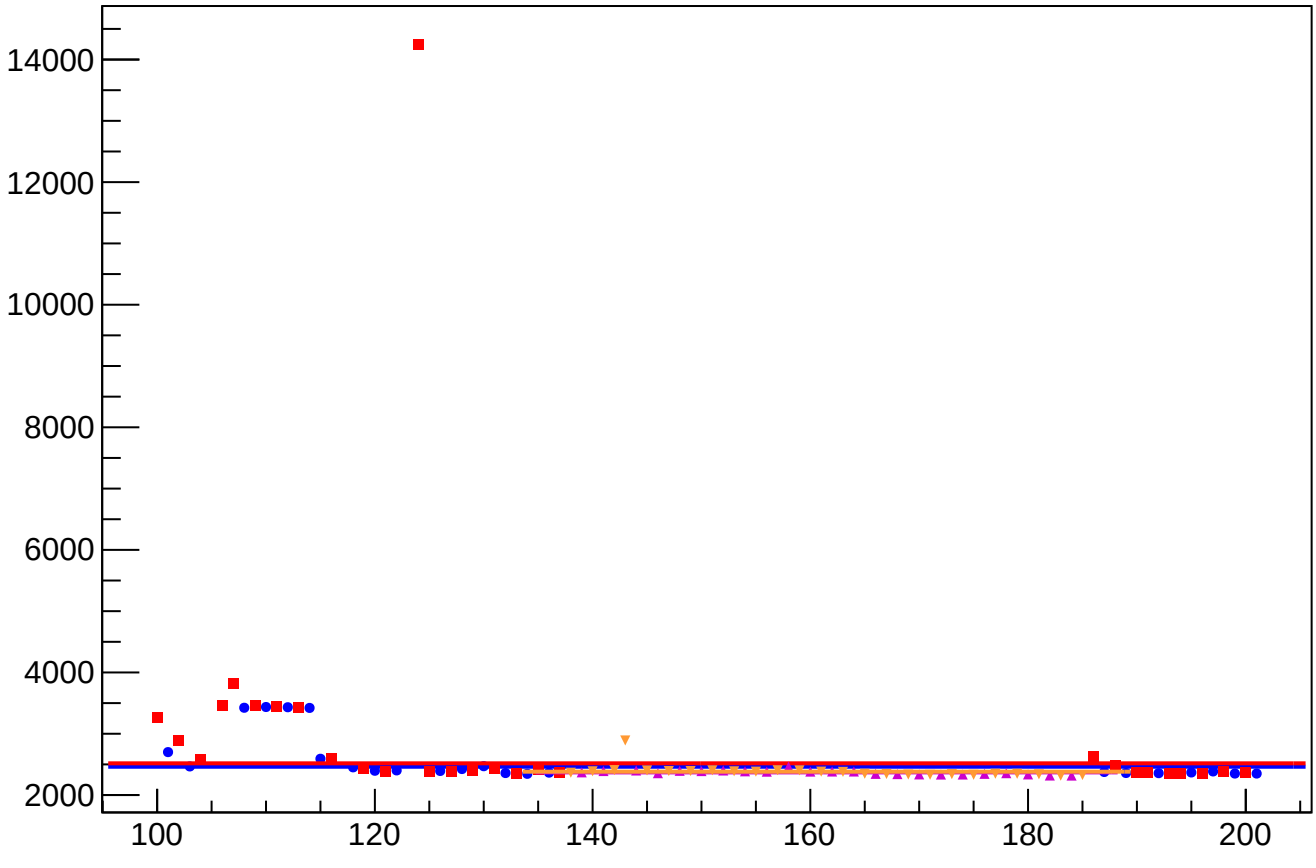
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1531.453+/-492.144 χ^2/NDF: 43.7/50

In: 1787.546+/-434.972 χ^2/NDF:40.1/45

Out: 1227.434+/-425.498 χ^2/NDF:51.4/52

All: 1501.324+/-304.167 χ^2/NDF: 92.3/98



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: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

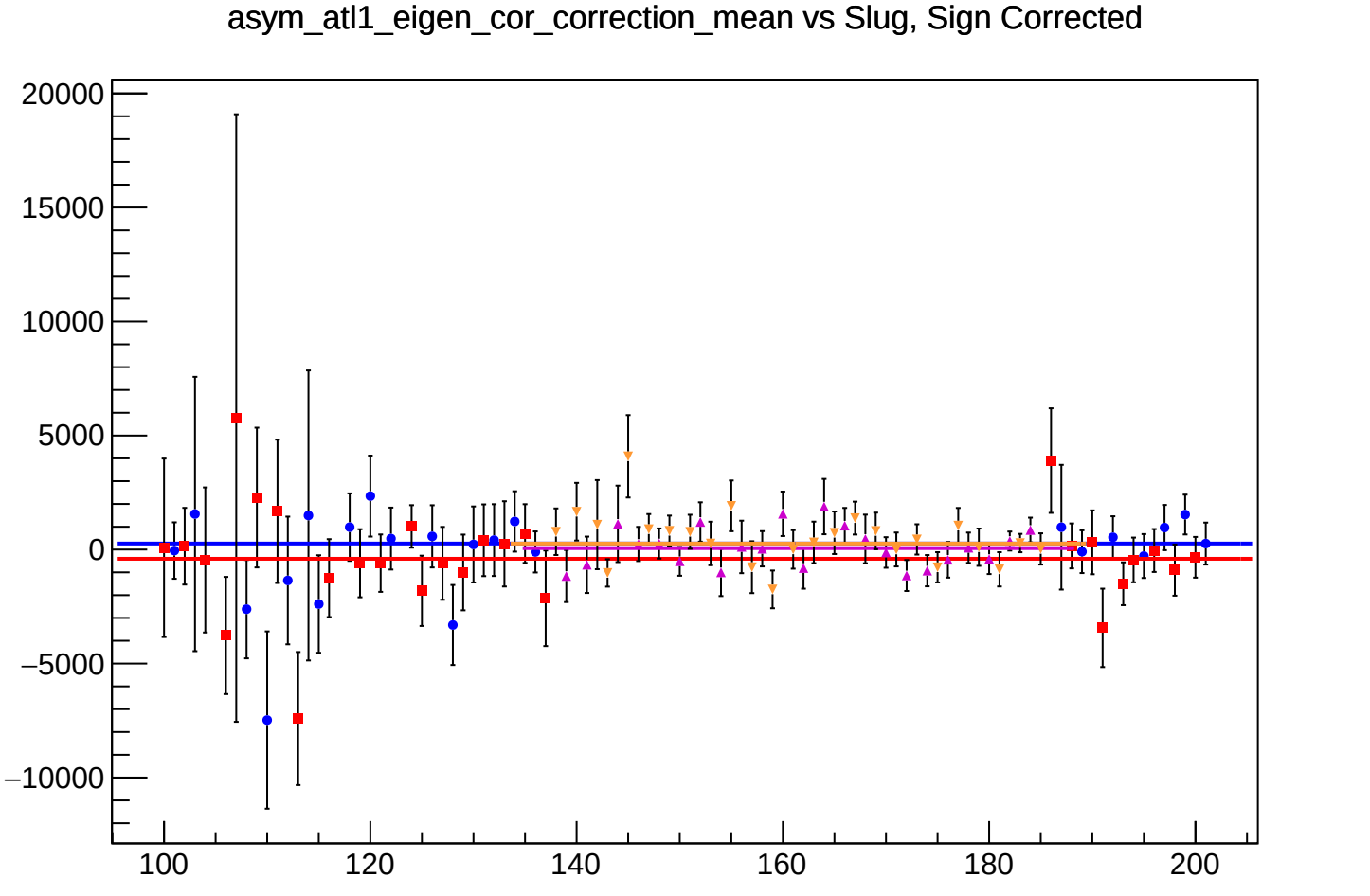
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

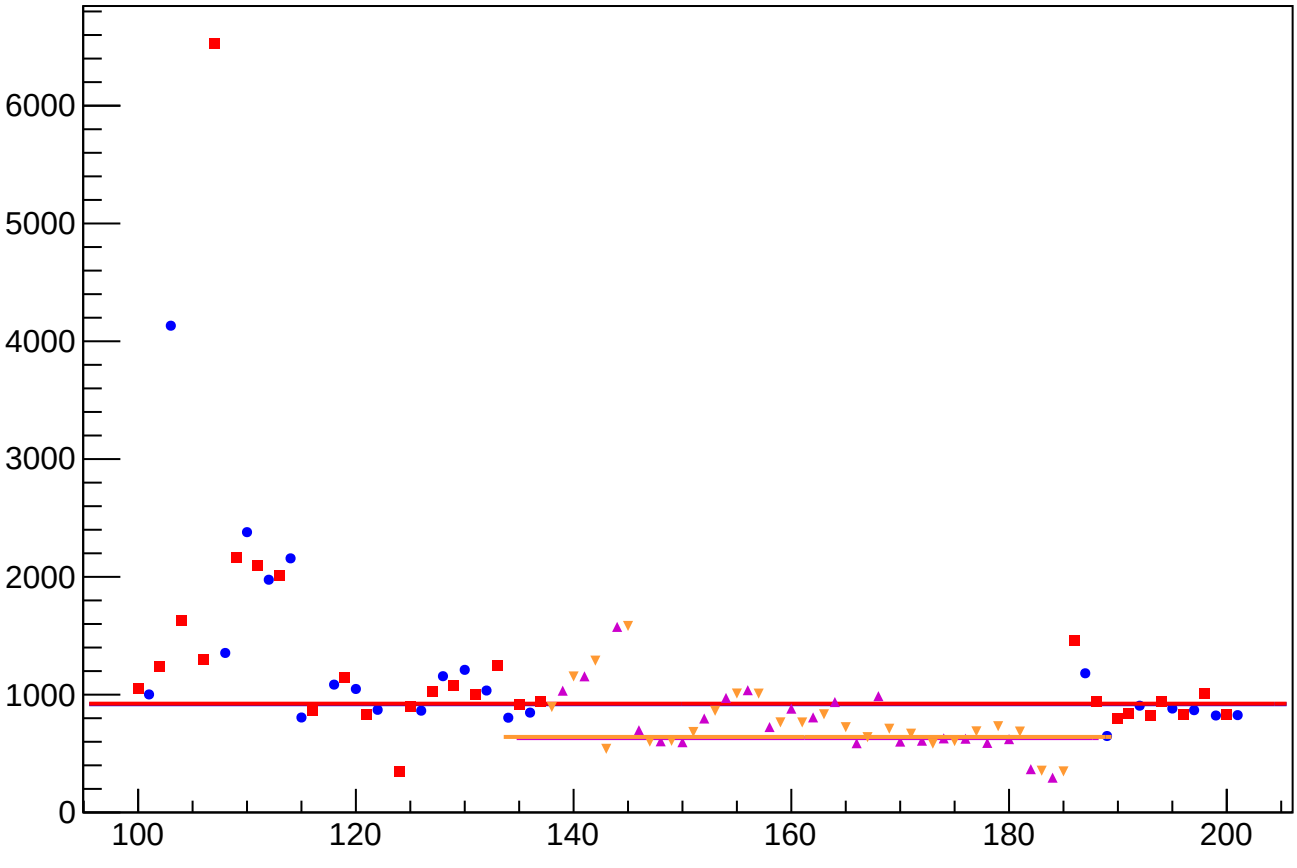
Right: 2490.214+/-0.348 χ^2/NDF: 882937.5/50

In: 2404.652+/-0.308 χ^2/NDF:287394.4/45

Out: 2433.279+/-0.301 χ^2/NDF:723469.3/52

All: 2419.281+/-0.215 χ^2/NDF: 1015290.5/98


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 264.146+/-276.221 χ²/NDF: 17.6/22
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -404.899+/-270.288 χ²/NDF: 23.4/27
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: -77.640+/-193.186 χ²/NDF: 43.9/50
In: 111.528+/-136.751 χ²/NDF:39.9/45
Out: 98.664+/-133.813 χ²/NDF:59.1/52
All: 104.956+/-95.642 χ²/NDF: 99.0/98



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: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

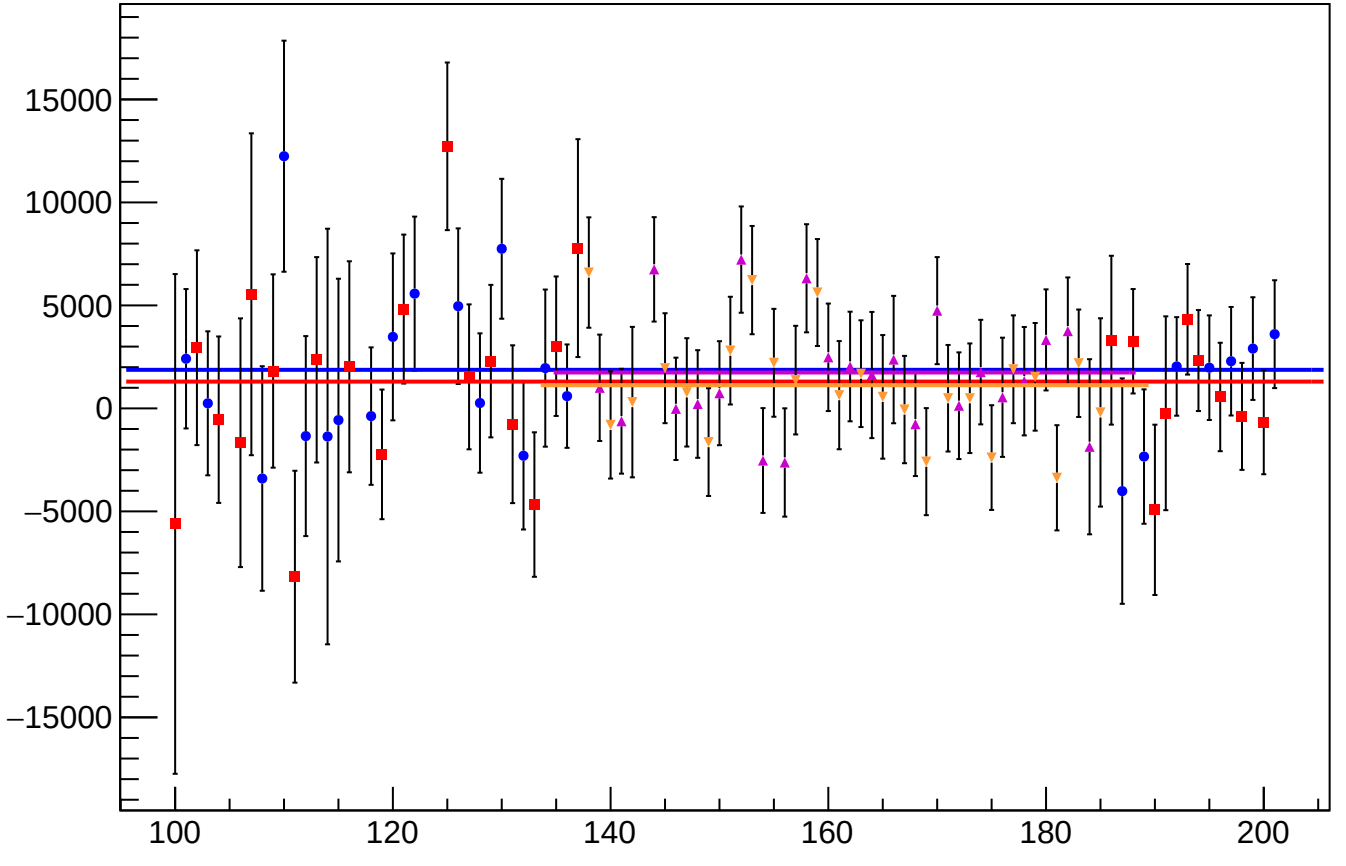
Right: 921.180+/-0.137 χ^2/NDF: 4292199.7/50

In: 701.697+/-0.097 χ^2/NDF:7337283.2/45

Out: 710.350+/-0.095 χ^2/NDF:7688448.6/52

All: 706.118+/-0.068 χ^2/NDF: 15029823.1/98

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: 1300.668+/-697.608 χ^2/NDF: 25.5/26

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

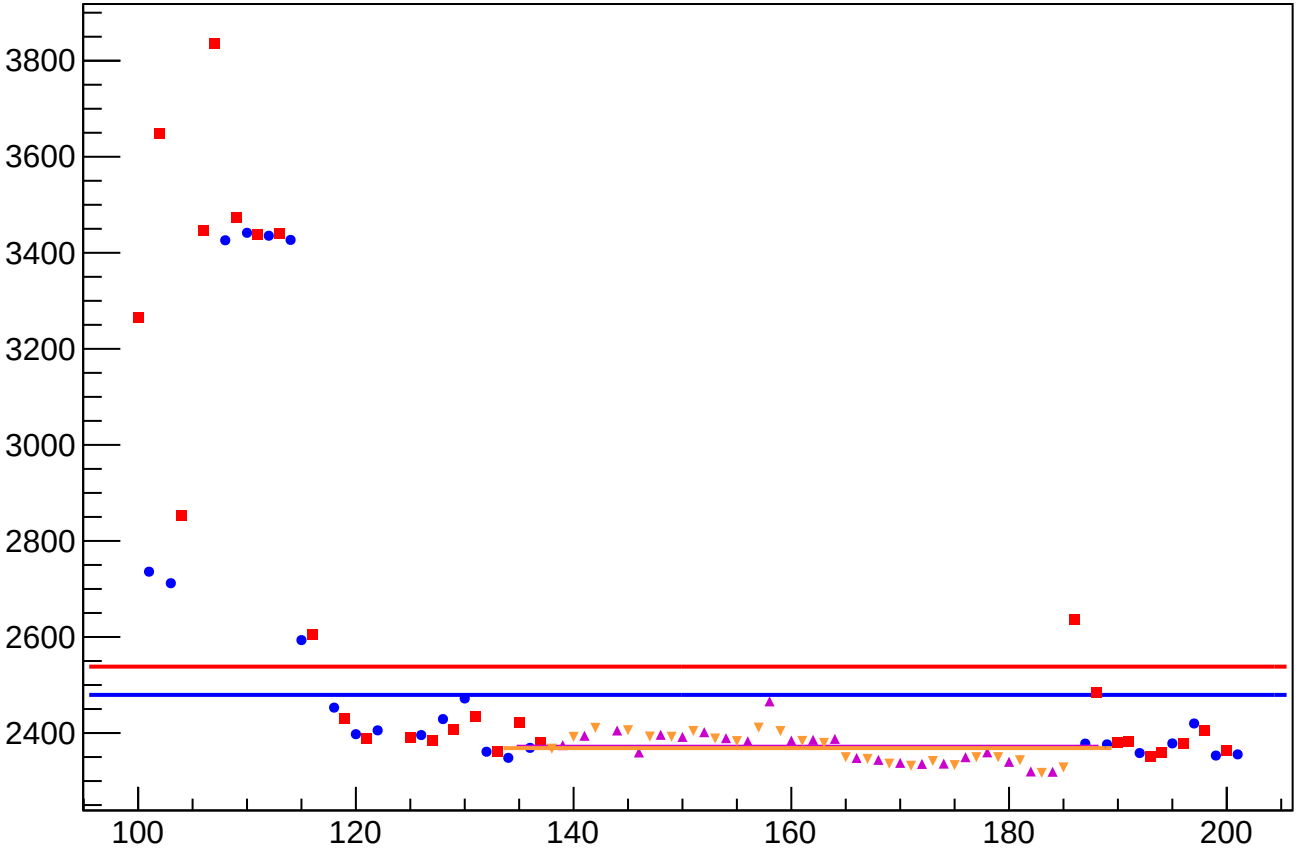
Right: 1581.744+/-497.352 χ^2/NDF: 41.7/49

In: 1791.532+/-436.478 χ^2/NDF:39.6/45

Out: 1192.658+/-431.829 χ^2/NDF:46.8/50

All: 1488.889+/-306.980 χ^2/NDF: 87.3/96

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: 2538.258+/-0.493 χ^2/NDF: 511709.9/26

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

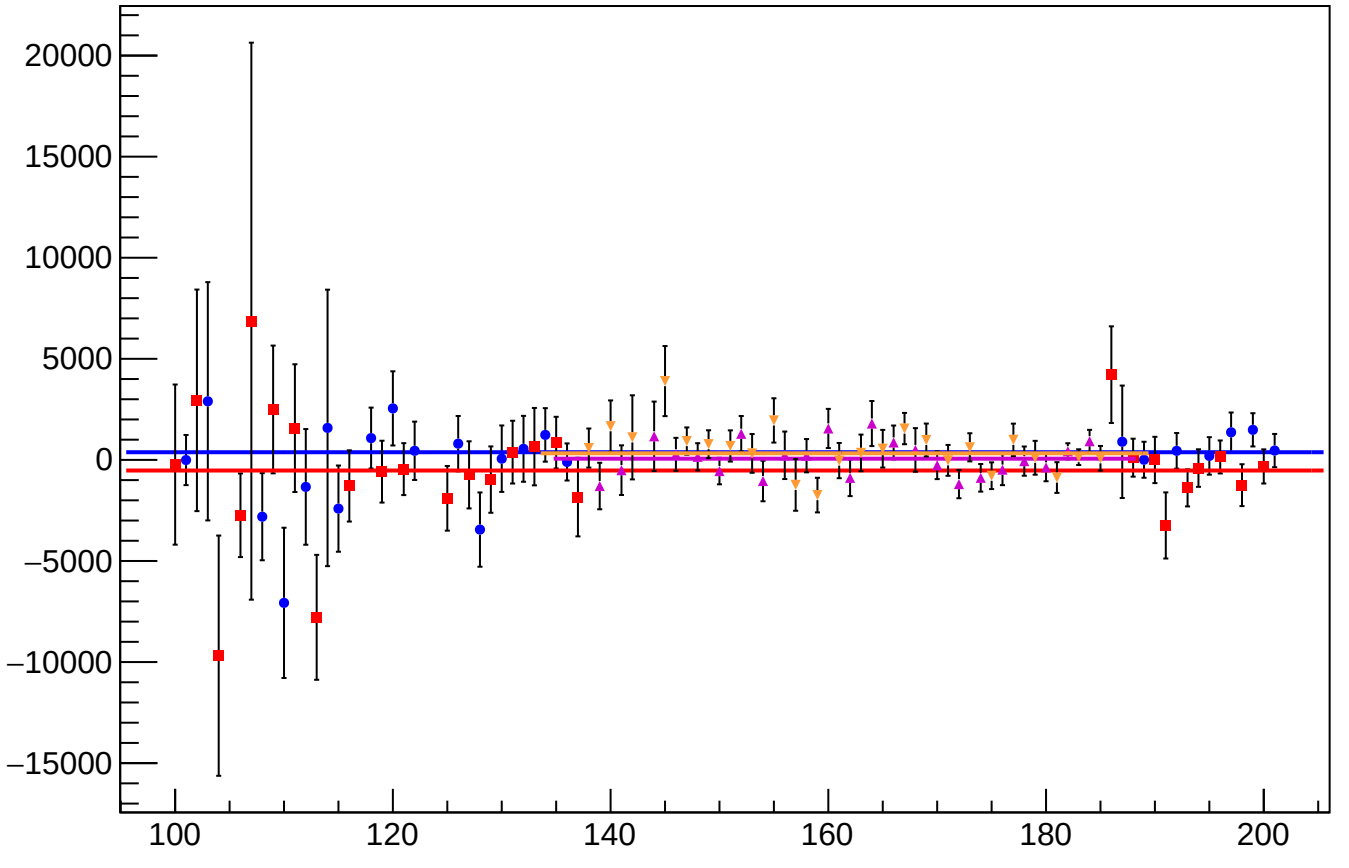
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2509.321+/-0.352 χ^2/NDF: 787192.4/49

In: 2412.378+/-0.309 χ^2/NDF:304290.6/45

Out: 2433.590+/-0.305 χ^2/NDF:590273.2/50

All: 2423.098+/-0.217 χ^2/NDF: 896950.8/96



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: -524.956+/-273.684 χ^2/NDF: 23.9/26

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

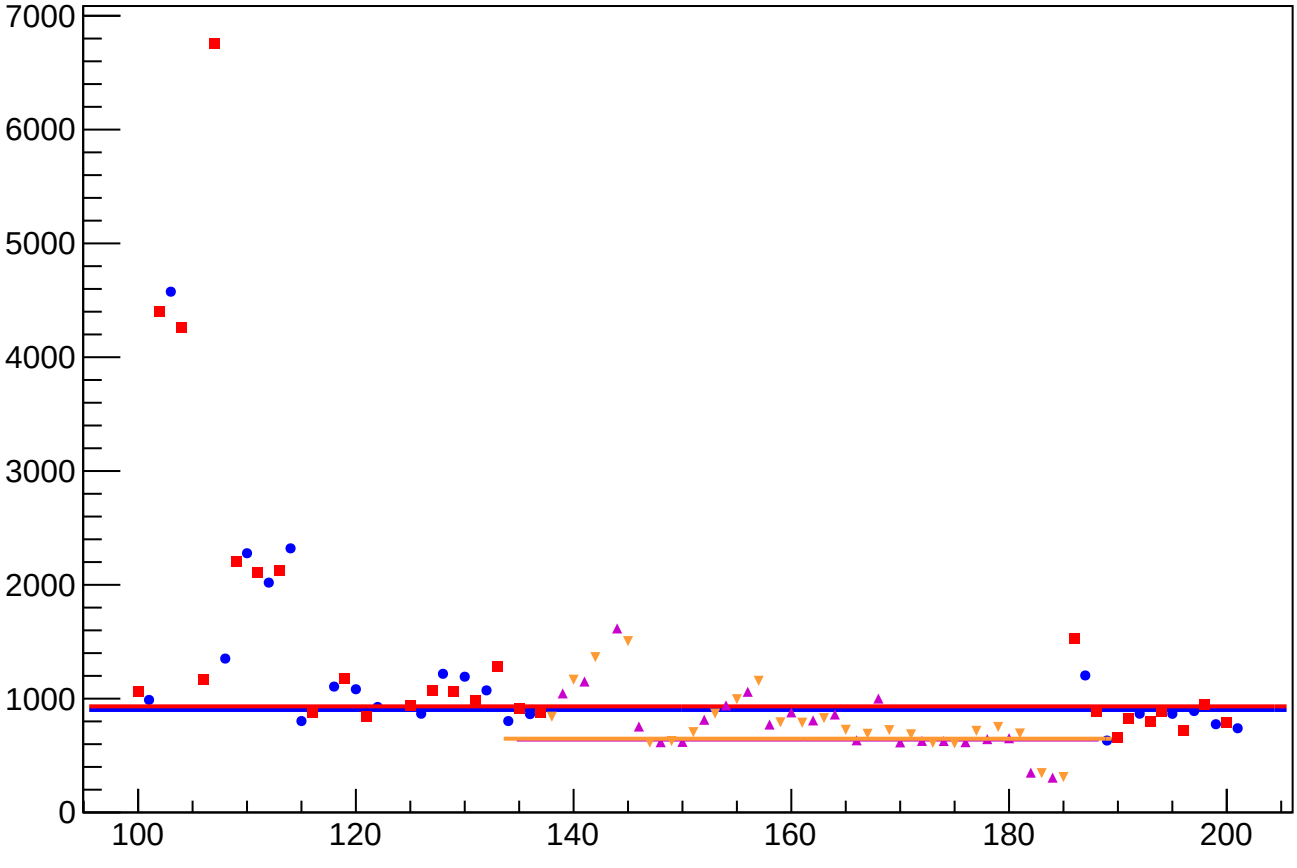
Right: -66.645+/-192.181 χ^2/NDF: 48.0/49

In: 142.448+/-137.426 χ^2/NDF:42.2/45

Out: 109.128+/-138.154 χ^2/NDF:57.9/50

All: 125.876+/-97.431 χ^2/NDF: 100.2/96

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: 932.271+/-0.194 χ^2/NDF: 3365156.2/26

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

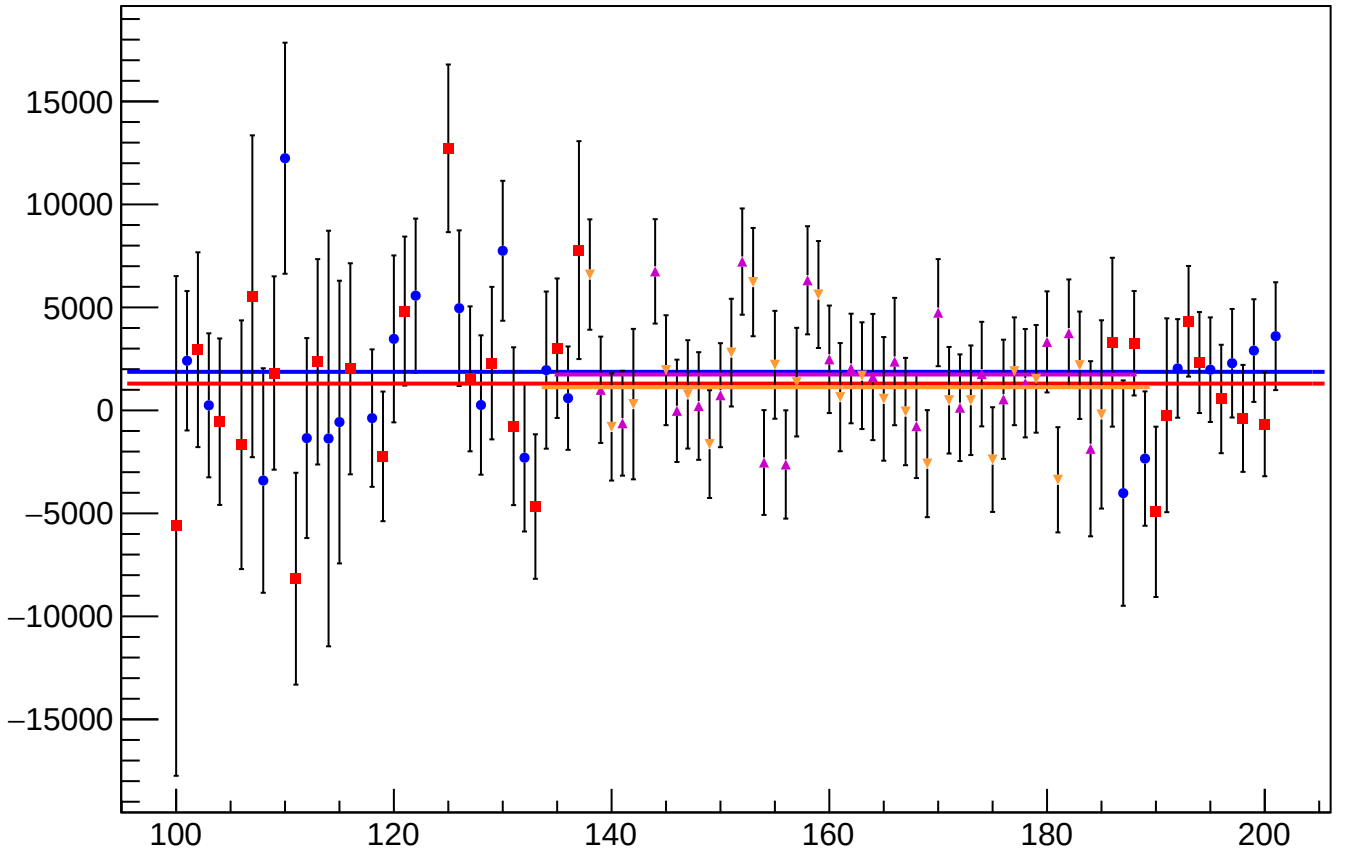
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 916.165+/-0.136 χ^2/NDF: 5477768.4/49

In: 707.836+/-0.097 χ^2/NDF:7603144.8/45

Out: 720.512+/-0.098 χ^2/NDF:8858909.1/50

All: 714.140+/-0.069 χ^2/NDF: 16470516.5/96



Right In: 1872.287+/-709.260 χ^2/NDF: 15.8/22

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1300.666+/-697.608 χ^2/NDF: 25.5/26

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

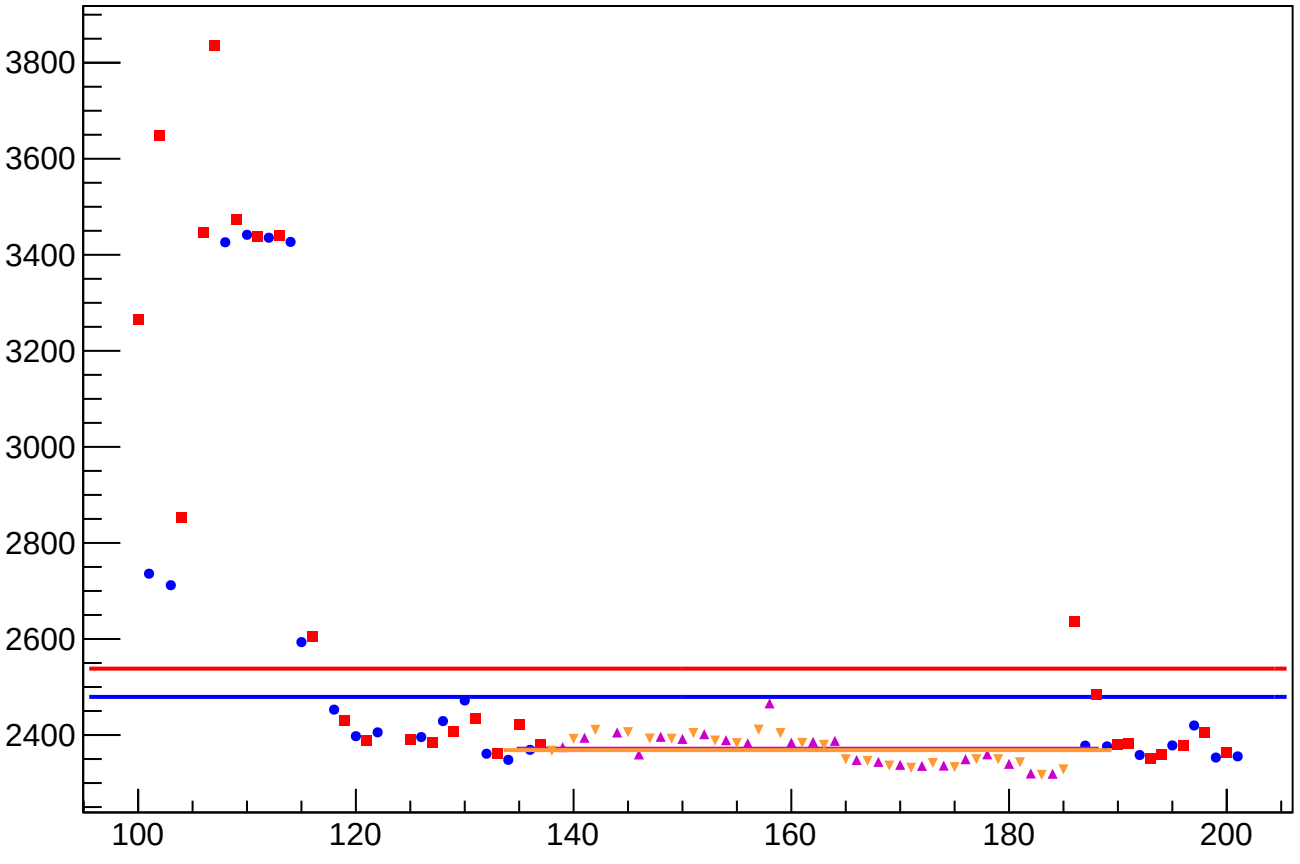
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1581.743+/-497.352 χ^2/NDF: 41.7/49

In: 1791.531+/-436.478 χ^2/NDF:39.6/45

Out: 1192.658+/-431.829 χ^2/NDF:46.8/50

All: 1488.888+/-306.980 χ^2/NDF: 87.3/96



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: 2538.258+/-0.493 χ^2/NDF: 511709.0/26

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

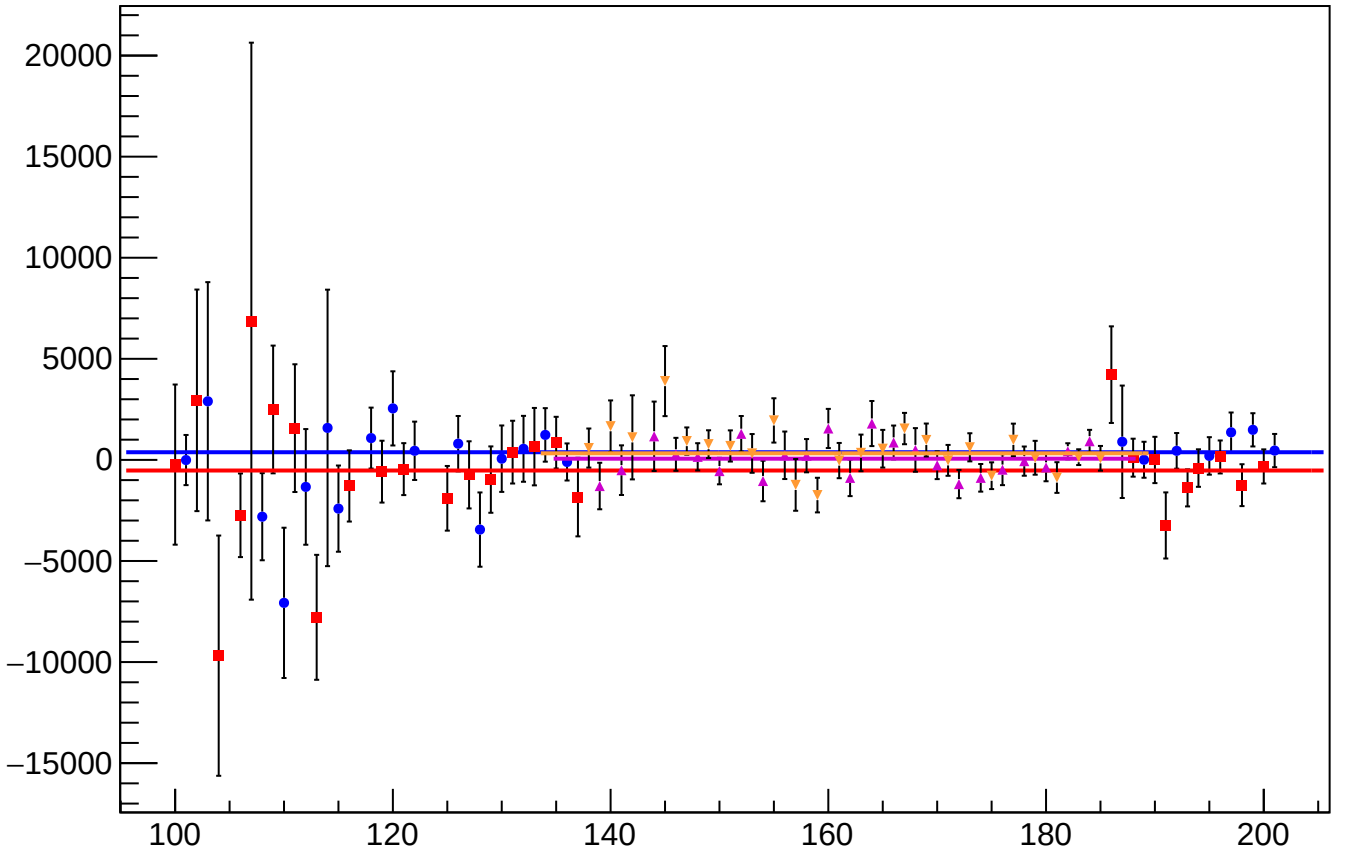
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2509.321+/-0.352 χ^2/NDF: 787191.2/49

In: 2412.378+/-0.309 χ^2/NDF:304290.1/45

Out: 2433.590+/-0.305 χ^2/NDF:590272.3/50

All: 2423.098+/-0.217 χ^2/NDF: 896949.4/96



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: -524.956+/-273.684 χ^2/NDF: 23.9/26

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

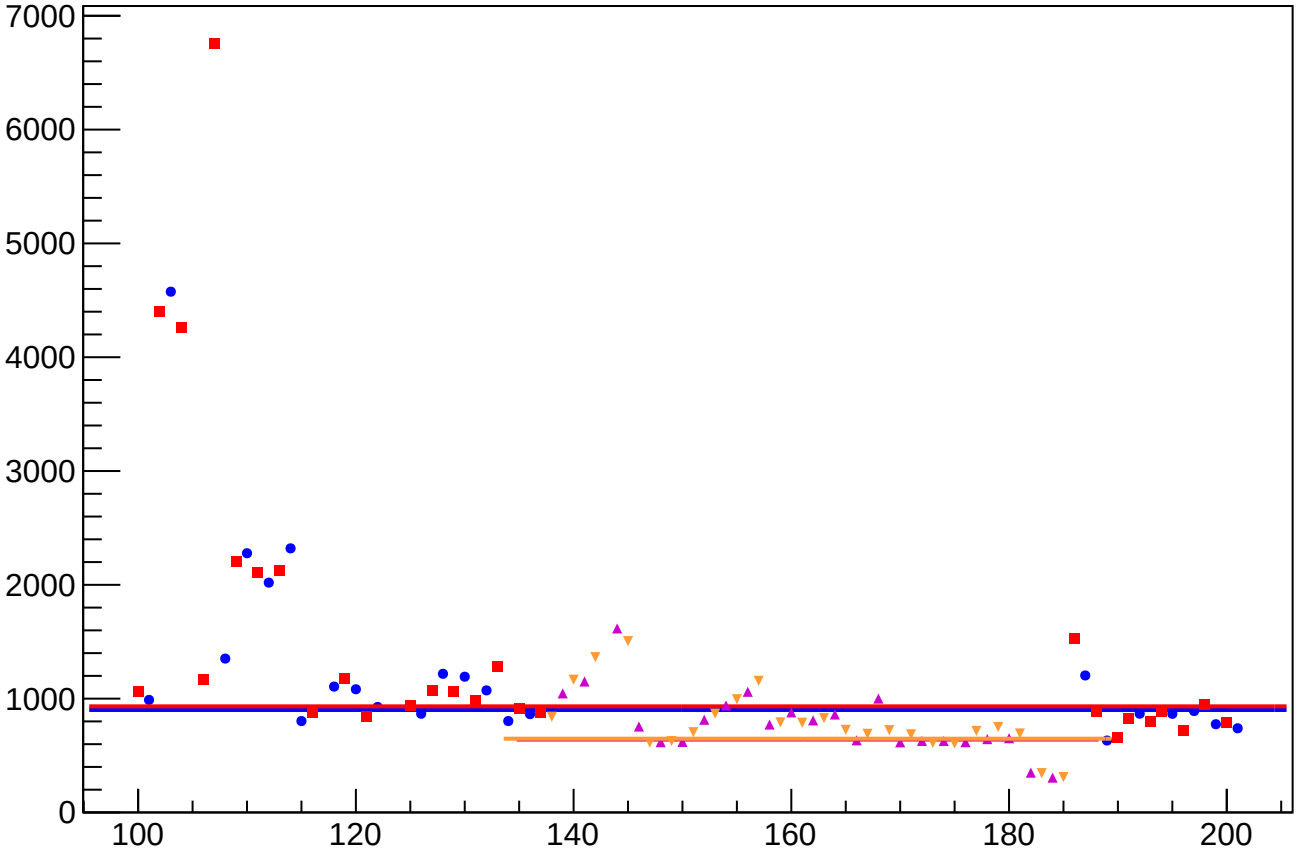
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -66.646+/-192.181 χ^2/NDF: 48.0/49

In: 142.448+/-137.426 χ^2/NDF:42.2/45

Out: 109.128+/-138.154 χ^2/NDF:57.9/50

All: 125.876+/-97.431 χ^2/NDF: 100.2/96



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: 932.270+/-0.194 χ^2/NDF: 3365154.2/26

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

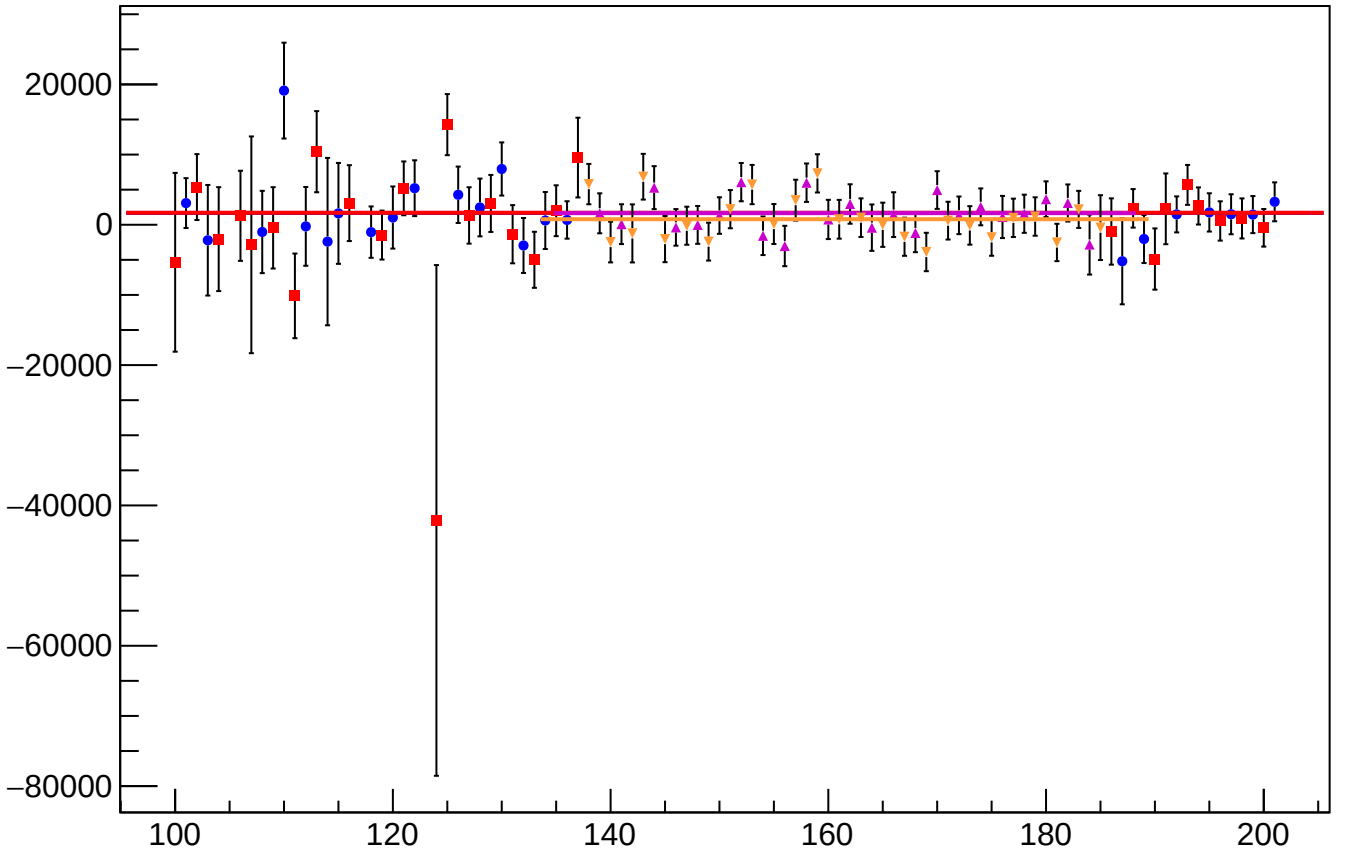
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 916.165+/-0.136 χ^2/NDF: 5477763.8/49

In: 707.837+/-0.097 χ^2/NDF:7603145.4/45

Out: 720.513+/-0.098 χ^2/NDF:8858904.6/50

All: 714.141+/-0.069 χ^2/NDF: 16470512.7/96



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: 1705.844+/-767.170 χ^2/NDF: 30.1/27

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

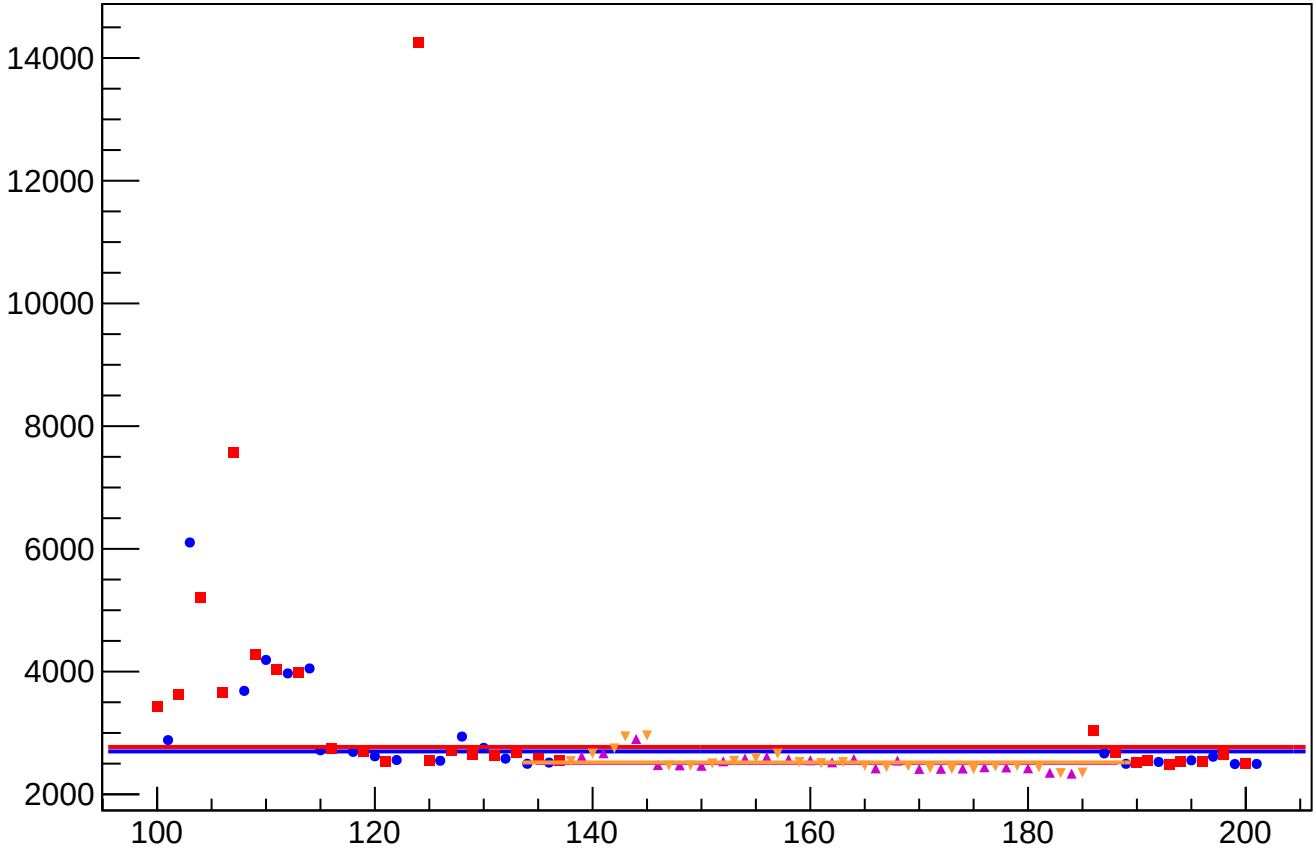
Right: 1695.462+/-546.880 χ^2/NDF: 46.4/50

In: 1665.511+/-468.859 χ^2/NDF:33.6/45

Out: 1119.076+/-459.219 χ^2/NDF:58.1/52

All: 1386.619+/-328.072 χ^2/NDF: 92.4/98

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: 2771.847+/-0.542 χ^2/NDF: 1149170.7/27

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

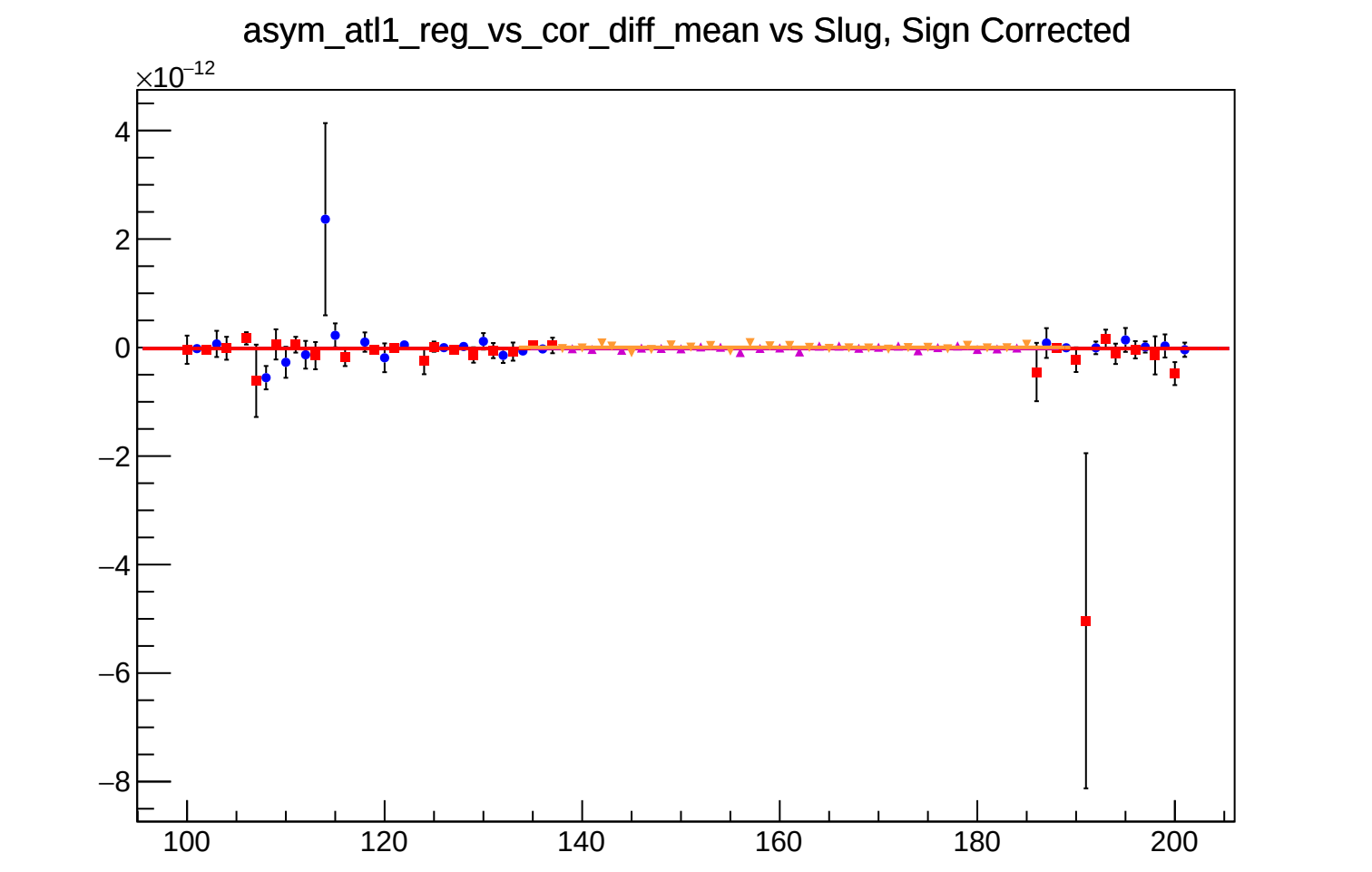
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2736.014+/-0.387 χ^2/NDF: 1893013.1/50

In: 2578.423+/-0.332 χ^2/NDF:883628.2/45

Out: 2609.928+/-0.325 χ^2/NDF:1403214.9/52

All: 2594.502+/-0.232 χ^2/NDF: 2291452.1/98



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/27

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

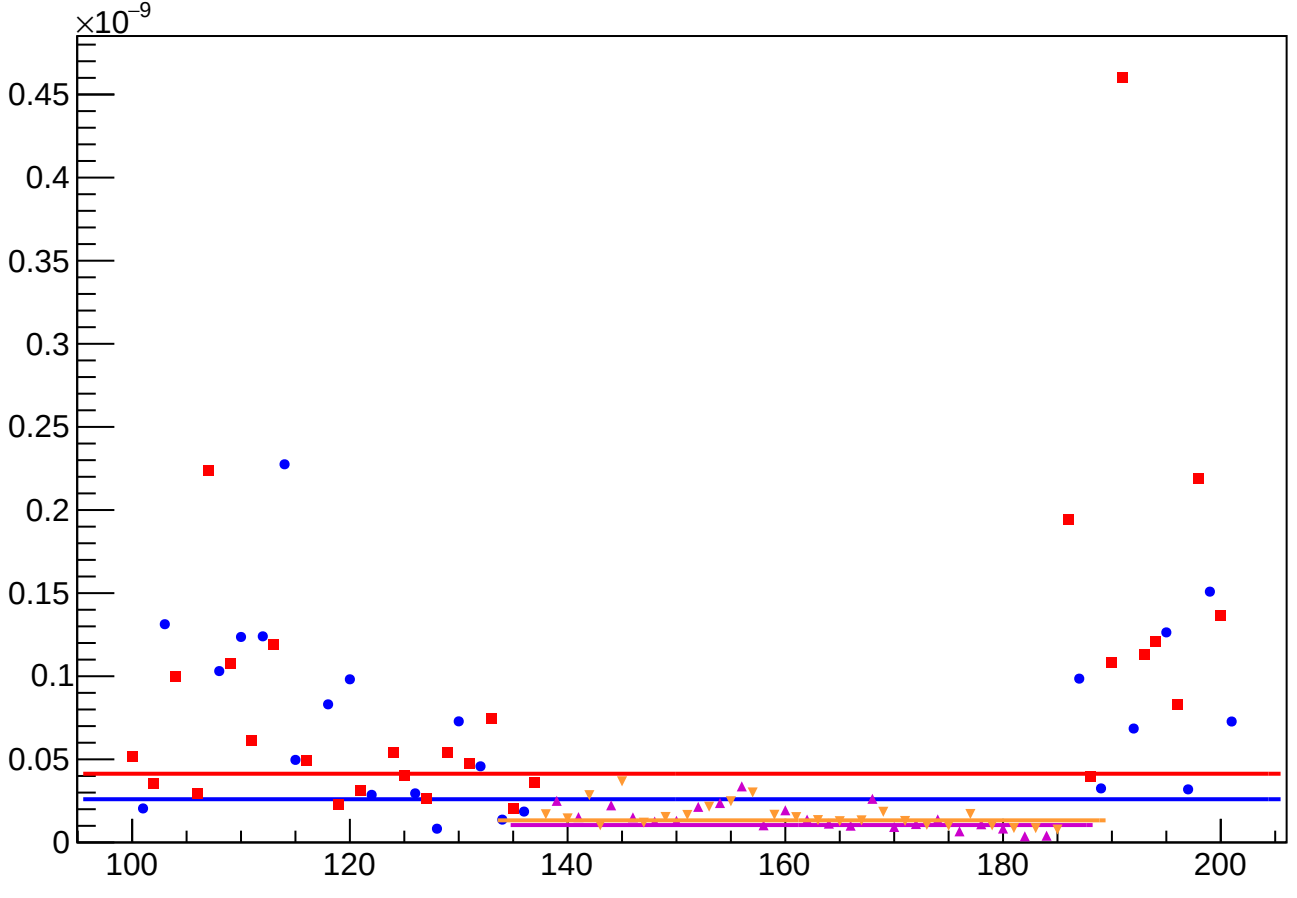
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 35.0/50

In: -0.000+/-0.000 χ^2/NDF:48.6/45

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: -0.000+/-0.000 χ^2/NDF: 101.8/98



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: 3502226.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

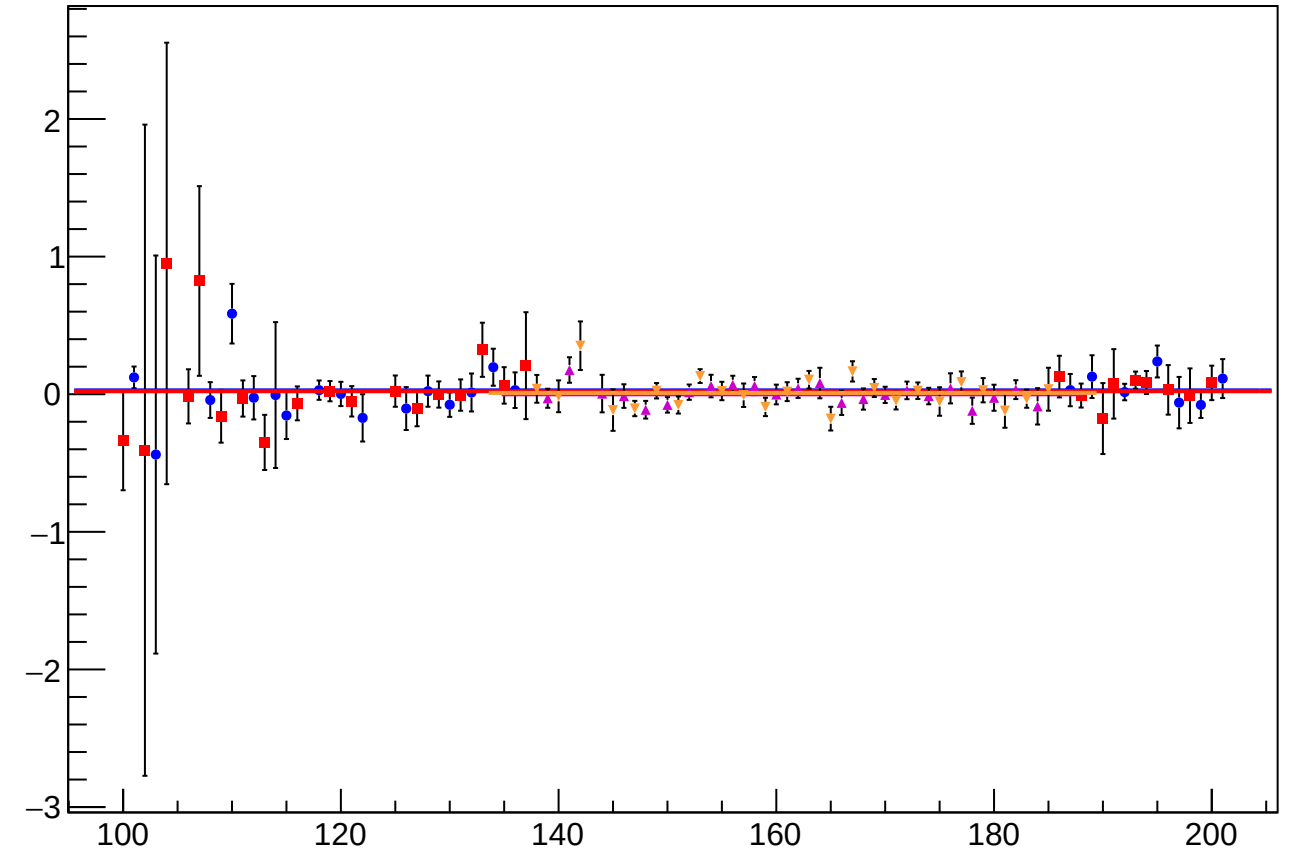
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8368003.7/50

In: 0.000+/-0.000 χ^2/NDF:8763018.4/45

Out: 0.000+/-0.000 χ^2/NDF:8060231.8/52

All: 0.000+/-0.000 χ^2/NDF: 17225297.3/98



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: 0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

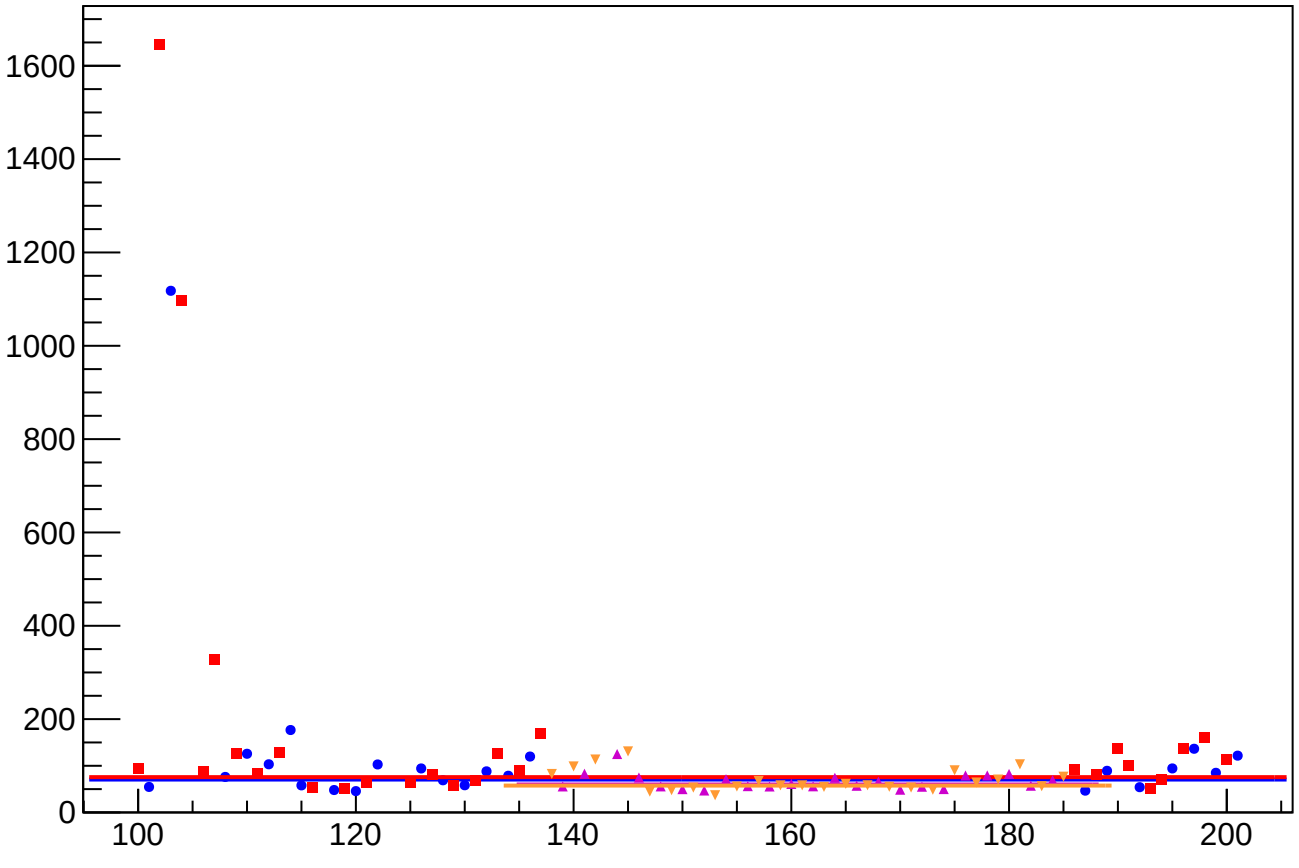
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.025+/-0.017 χ^2/NDF: 36.1/49

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.7/96



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: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

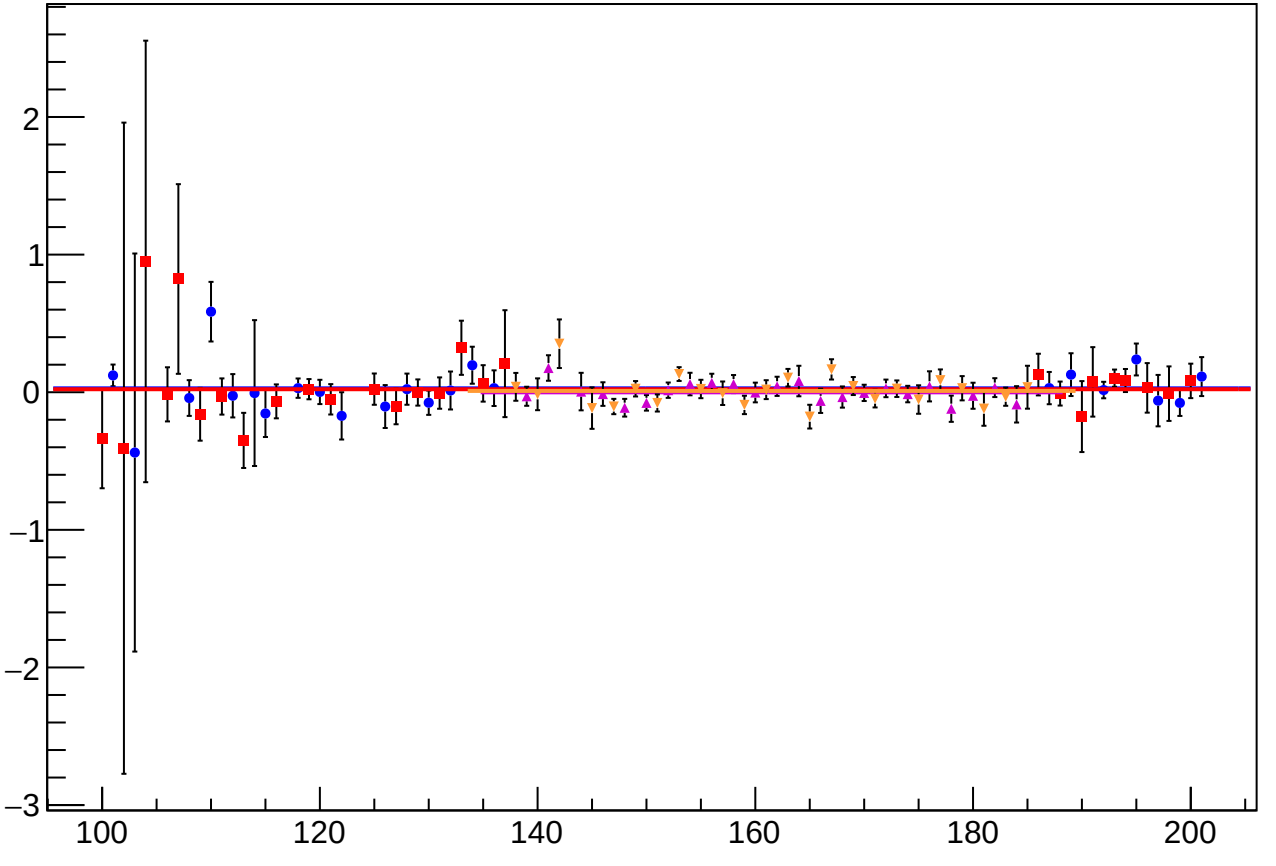
Right: 72.986+/-0.012 χ^2/NDF: 7426151.6/49

In: 63.002+/-0.009 χ^2/NDF:4814381.1/45

Out: 62.475+/-0.009 χ^2/NDF:7174477.7/50

All: 62.737+/-0.006 χ^2/NDF: 11990513.5/96

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

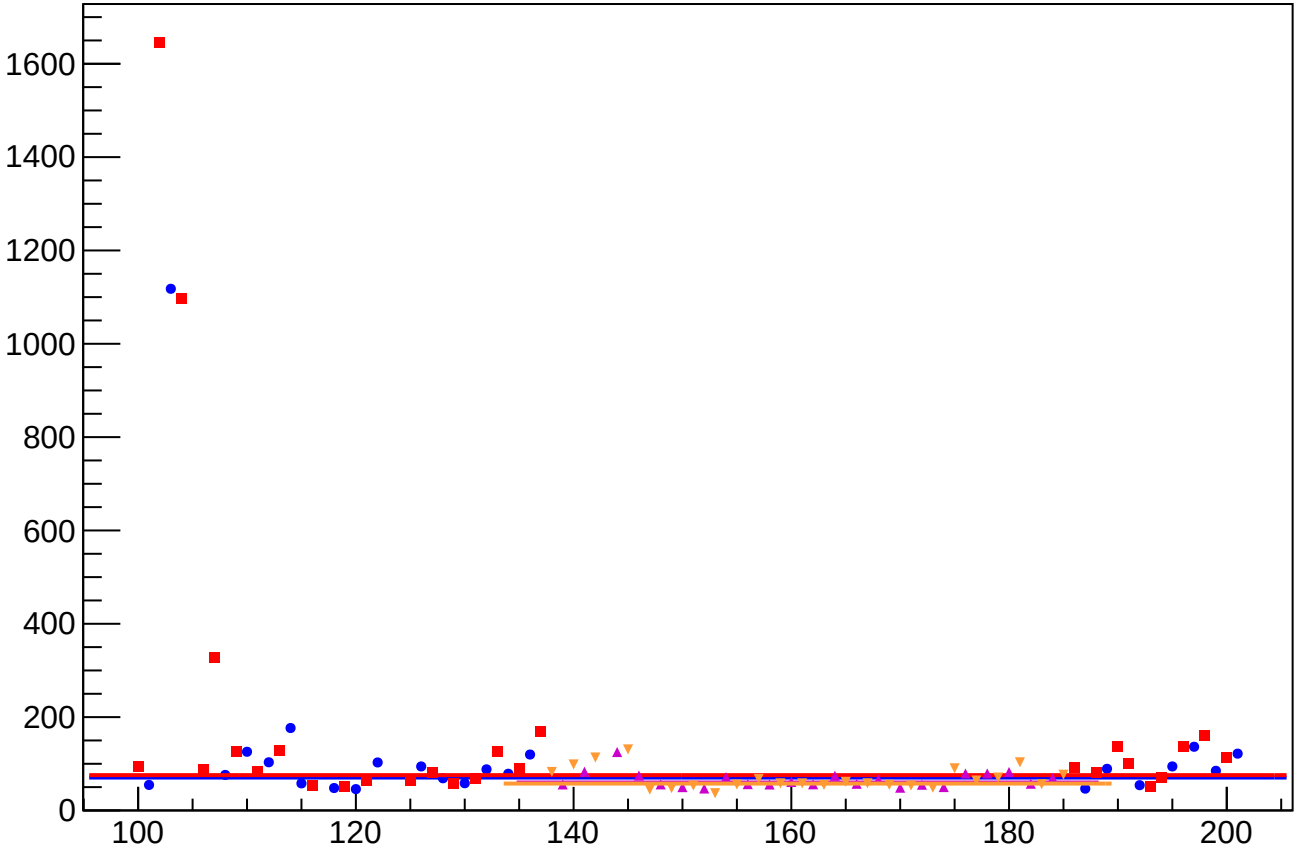
Right: 0.025+/-0.017 χ^2/NDF: 36.1/49

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.7/96

asym_atl1_dit_vs_eigen_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: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

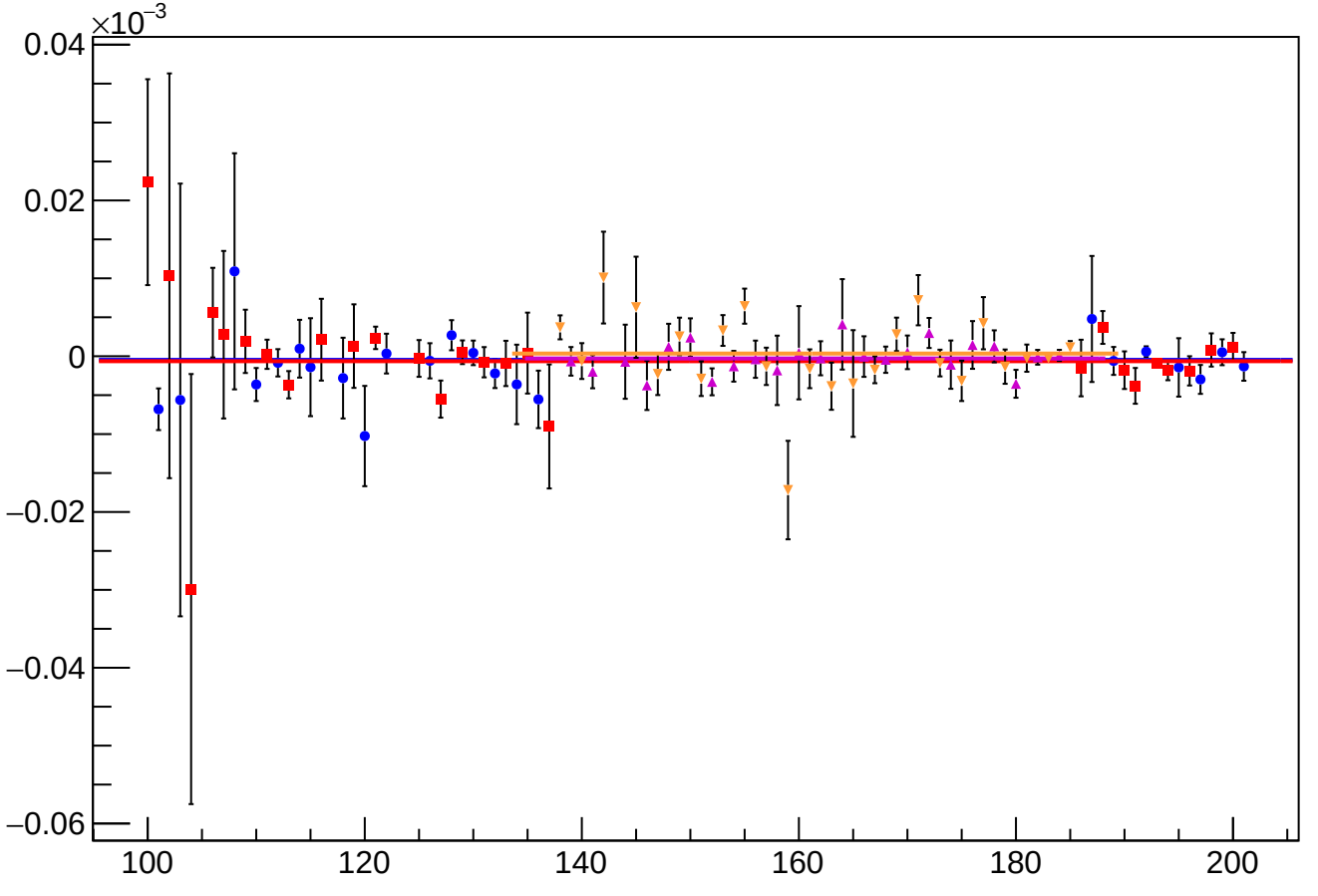
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.986+/-0.012 χ^2/NDF: 7426151.6/49

In: 63.002+/-0.009 χ^2/NDF:4814381.1/45

Out: 62.475+/-0.009 χ^2/NDF:7174477.7/50

All: 62.737+/-0.006 χ^2/NDF: 11990513.5/96



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: 29.3/26

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

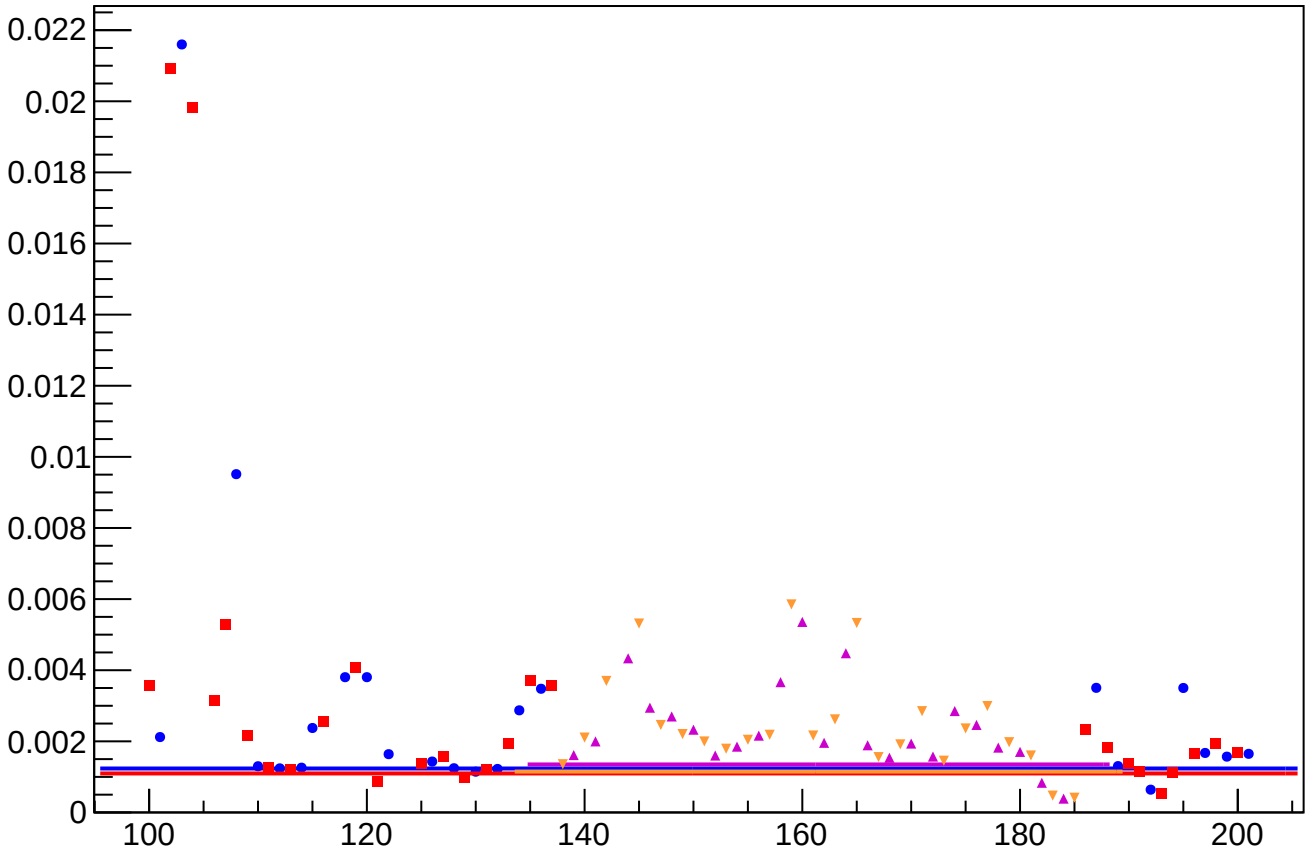
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/49

In: -0.000+/-0.000 χ^2/NDF:37.7/45

Out: -0.000+/-0.000 χ^2/NDF:79.9/50

All: -0.000+/-0.000 χ^2/NDF: 118.1/96



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: 7672345.8/26

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

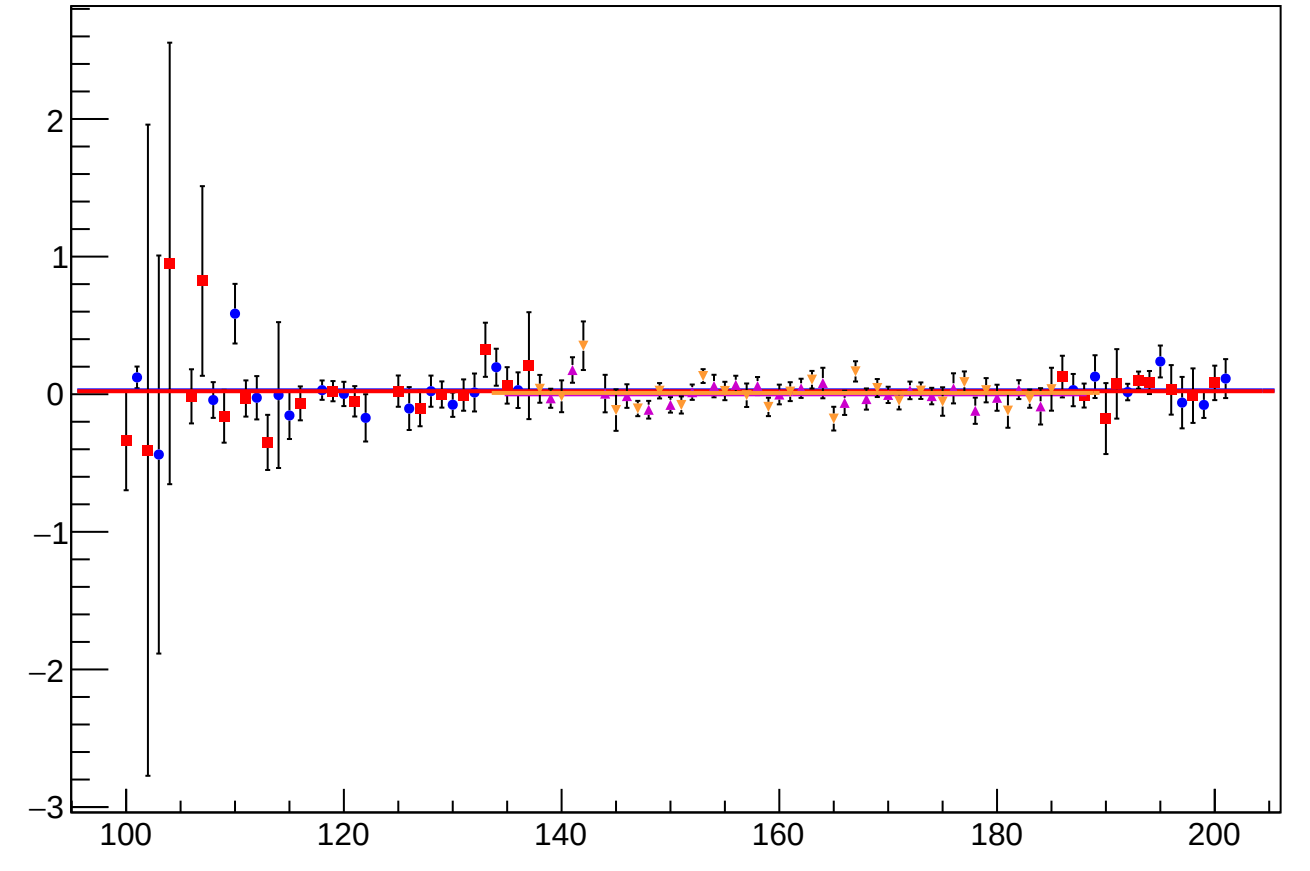
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 14268023.1/49

In: 0.001+/-0.000 χ^2/NDF:16798907.9/45

Out: 0.001+/-0.000 χ^2/NDF:20937103.3/50

All: 0.001+/-0.000 χ^2/NDF: 38155103.1/96



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: 0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

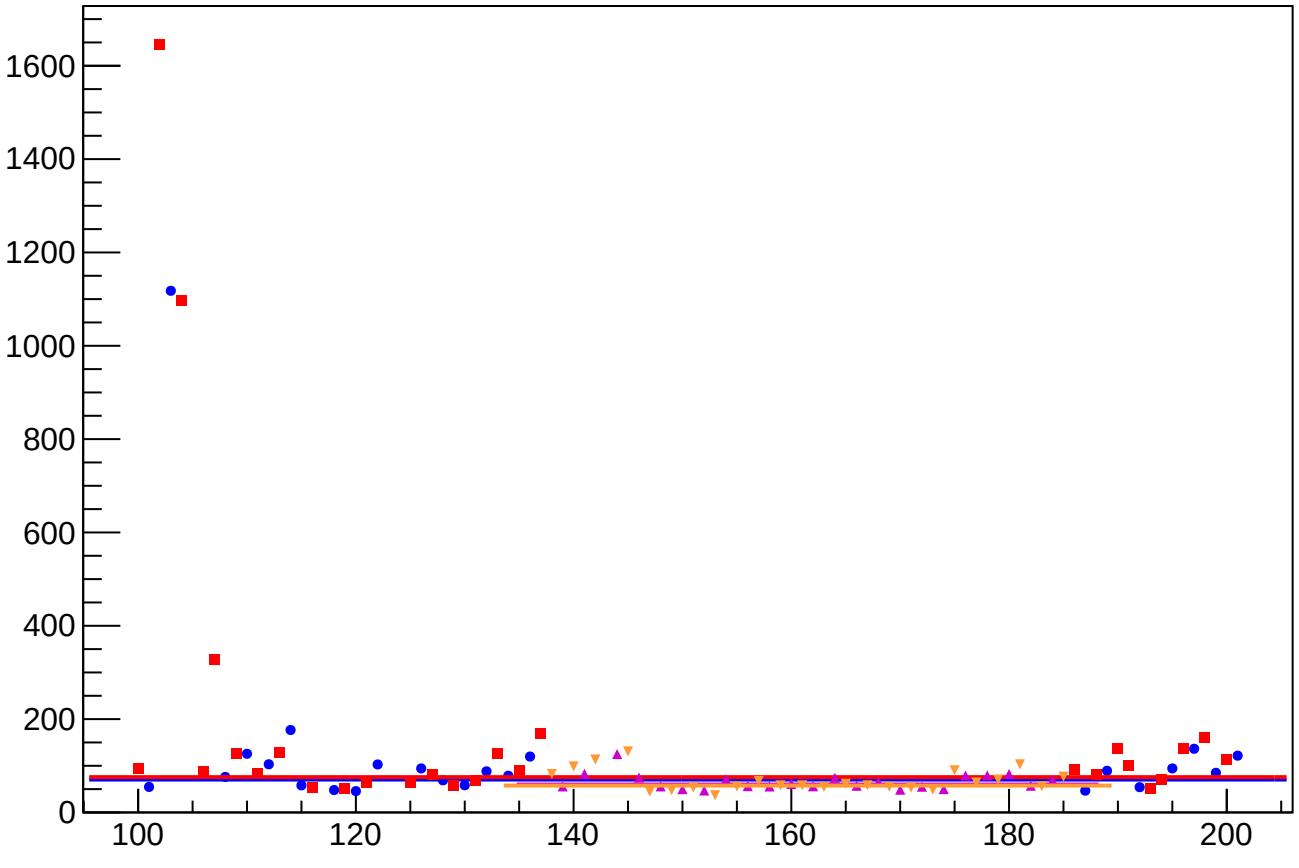
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.025+/-0.017 χ^2/NDF: 36.1/49

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.7/96



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: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

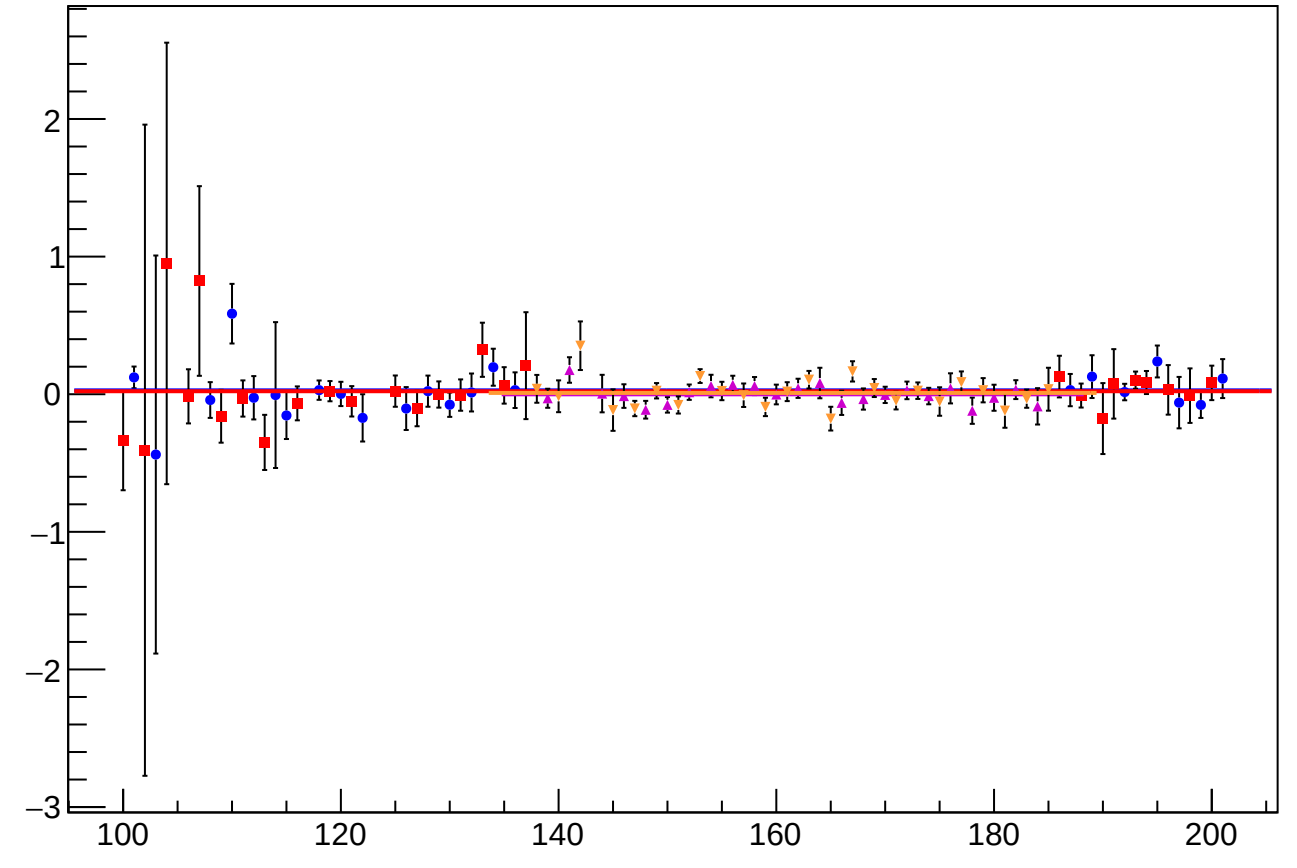
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 72.985+/-0.012 χ^2/NDF: 7426310.5/49

In: 63.002+/-0.009 χ^2/NDF:4814447.8/45

Out: 62.475+/-0.009 χ^2/NDF:7174541.9/50

All: 62.737+/-0.006 χ^2/NDF: 11990644.4/96



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: 0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

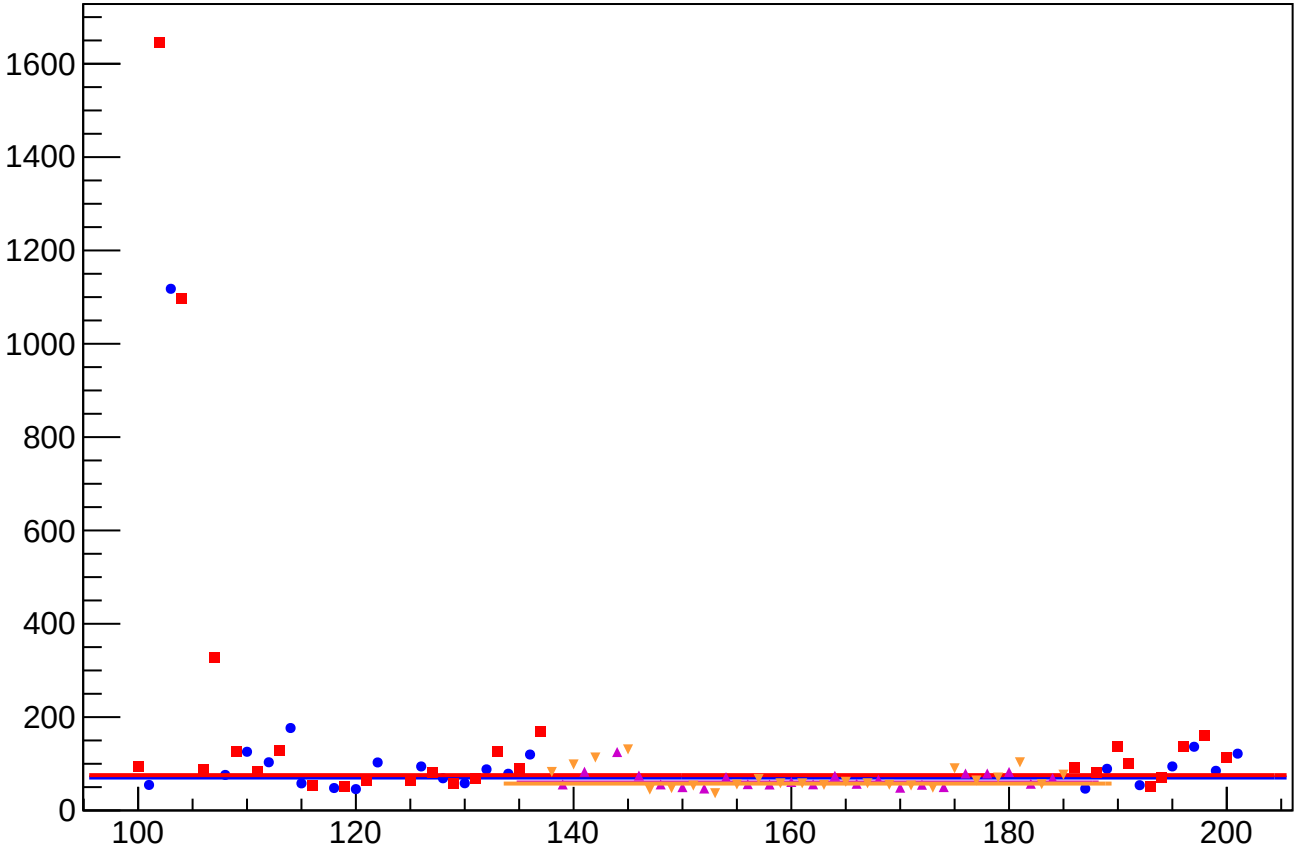
Right: 0.025+/-0.017 χ^2/NDF: 36.1/49

In: 0.008+/-0.013 χ^2/NDF:37.0/45

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.7/96

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: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

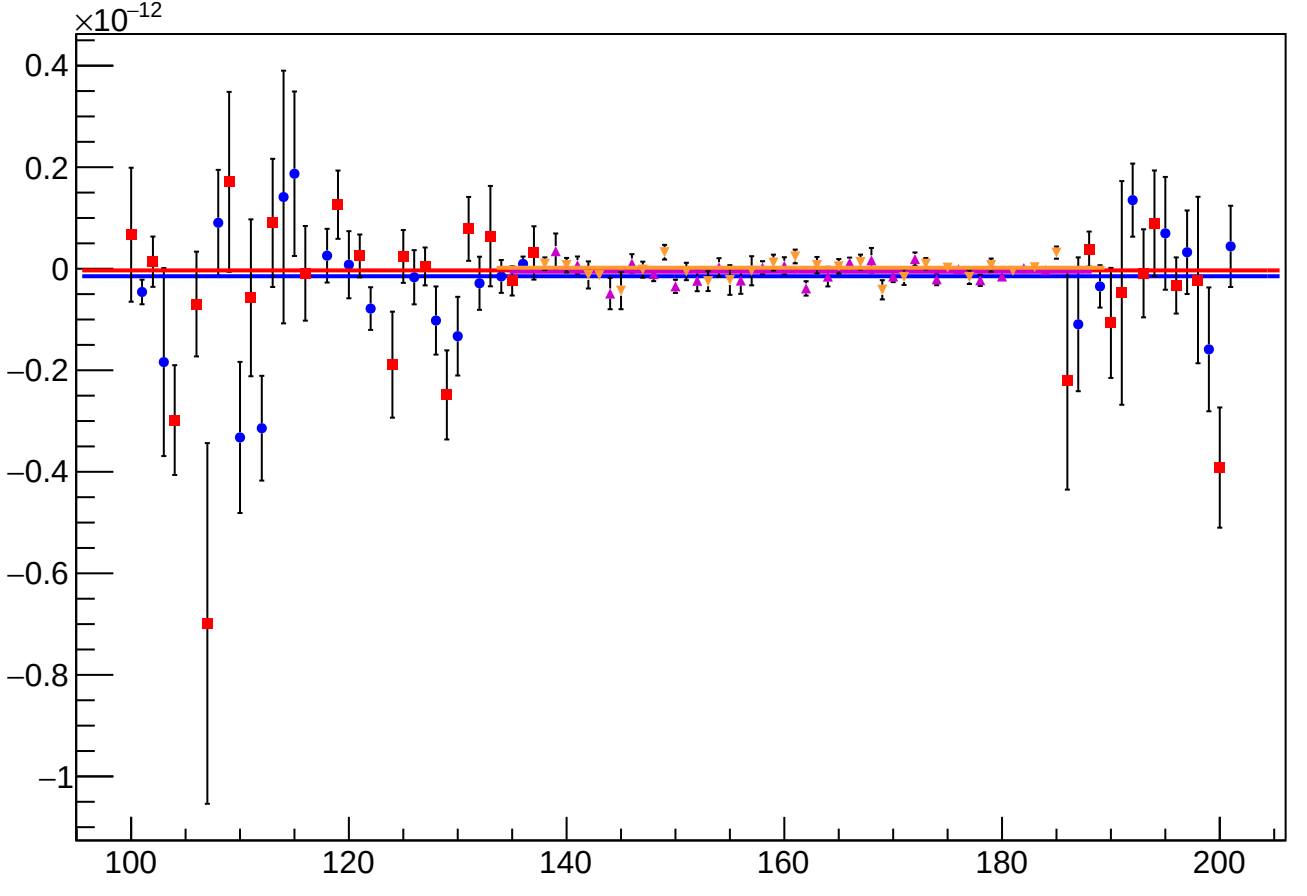
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 72.985+/-0.012 χ^2/NDF: 7426310.5/49

In: 63.002+/-0.009 χ^2/NDF:4814447.8/45

Out: 62.475+/-0.009 χ^2/NDF:7174541.9/50

All: 62.737+/-0.006 χ^2/NDF: 11990644.4/96



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: 47.6/27

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

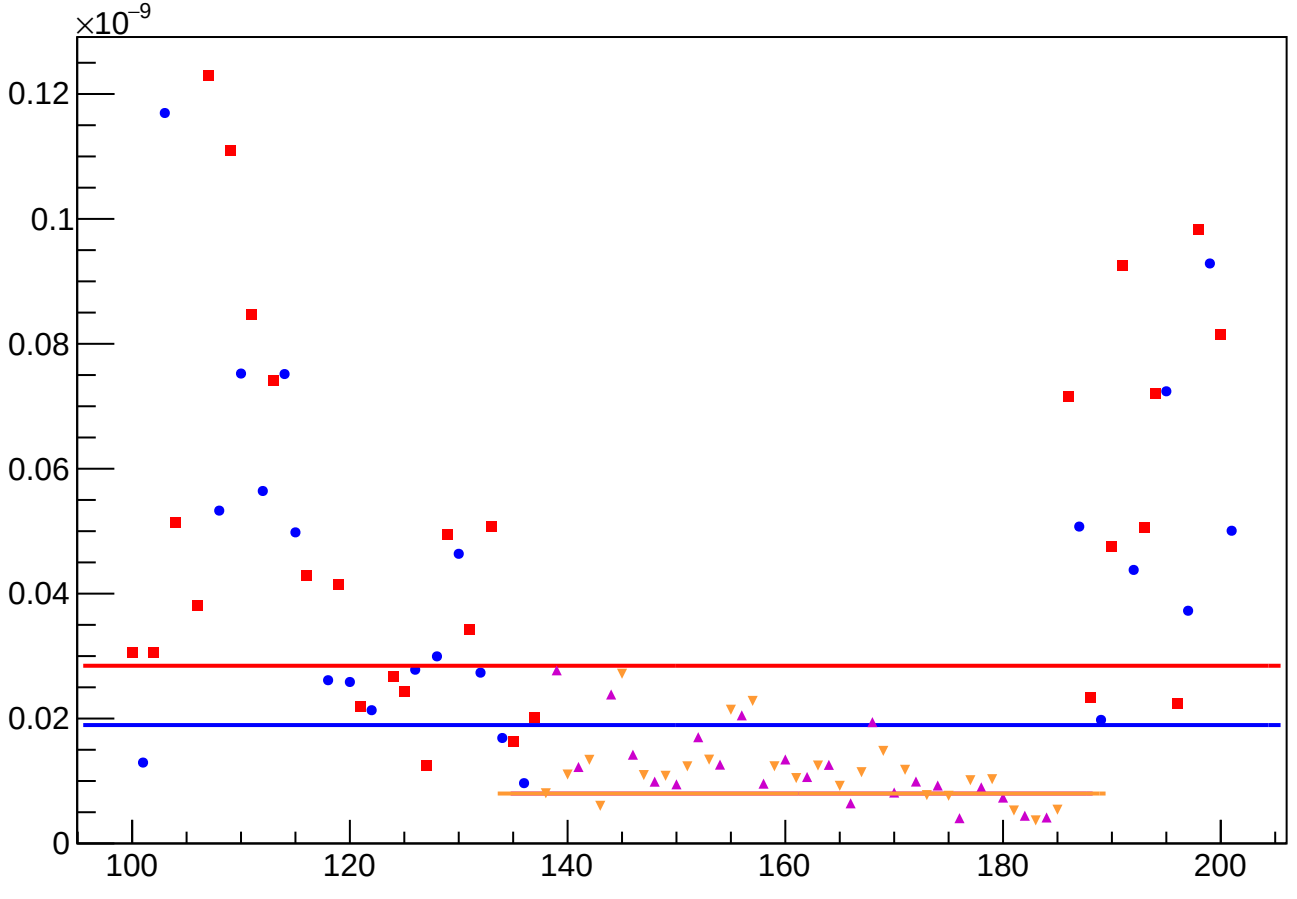
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 84.4/50

In: -0.000+/-0.000 χ^2/NDF:69.7/45

Out: 0.000+/-0.000 χ^2/NDF:79.7/52

All: -0.000+/-0.000 χ^2/NDF: 155.1/98



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: 4019798.2/27

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

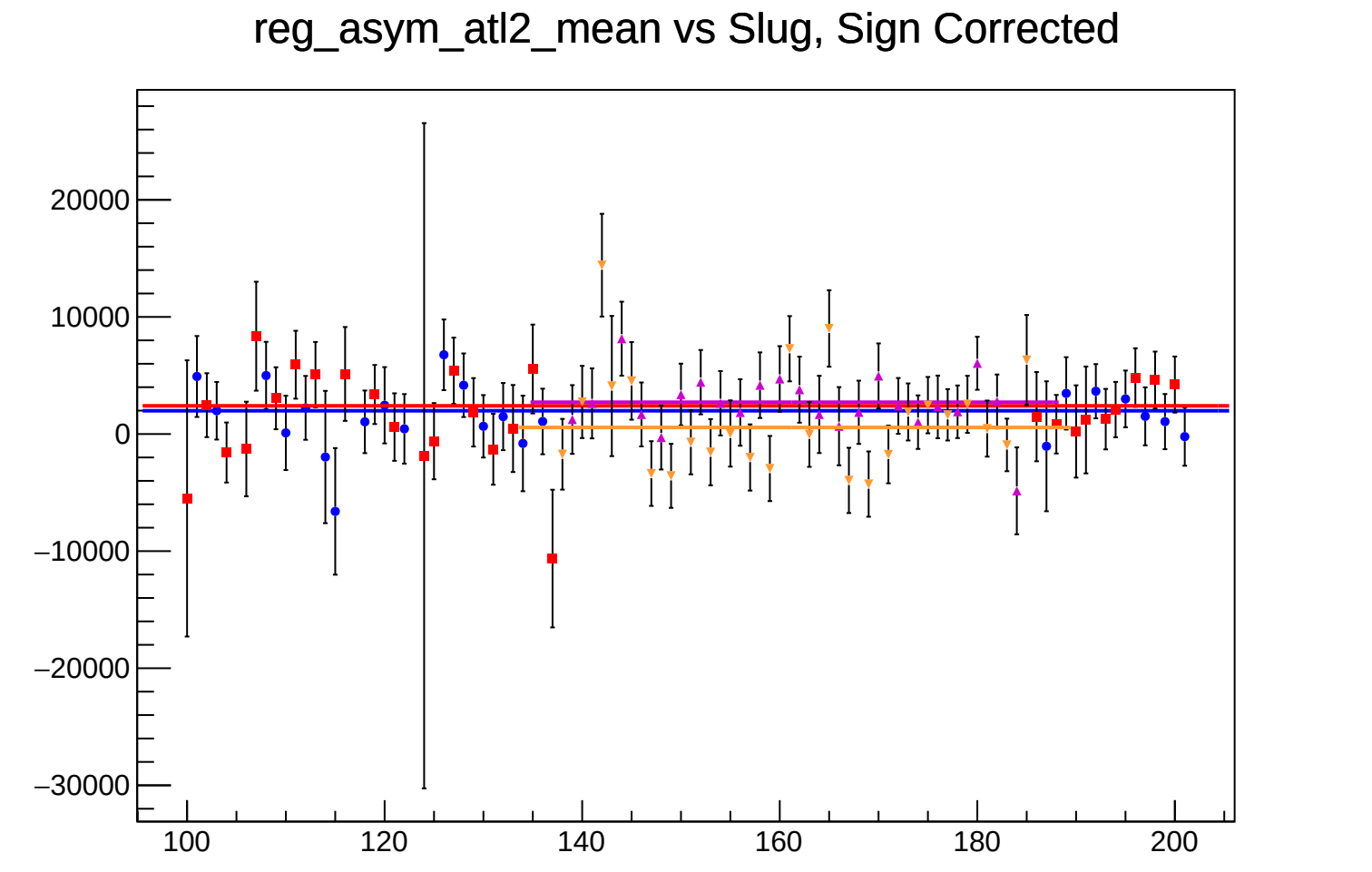
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9658872.1/50

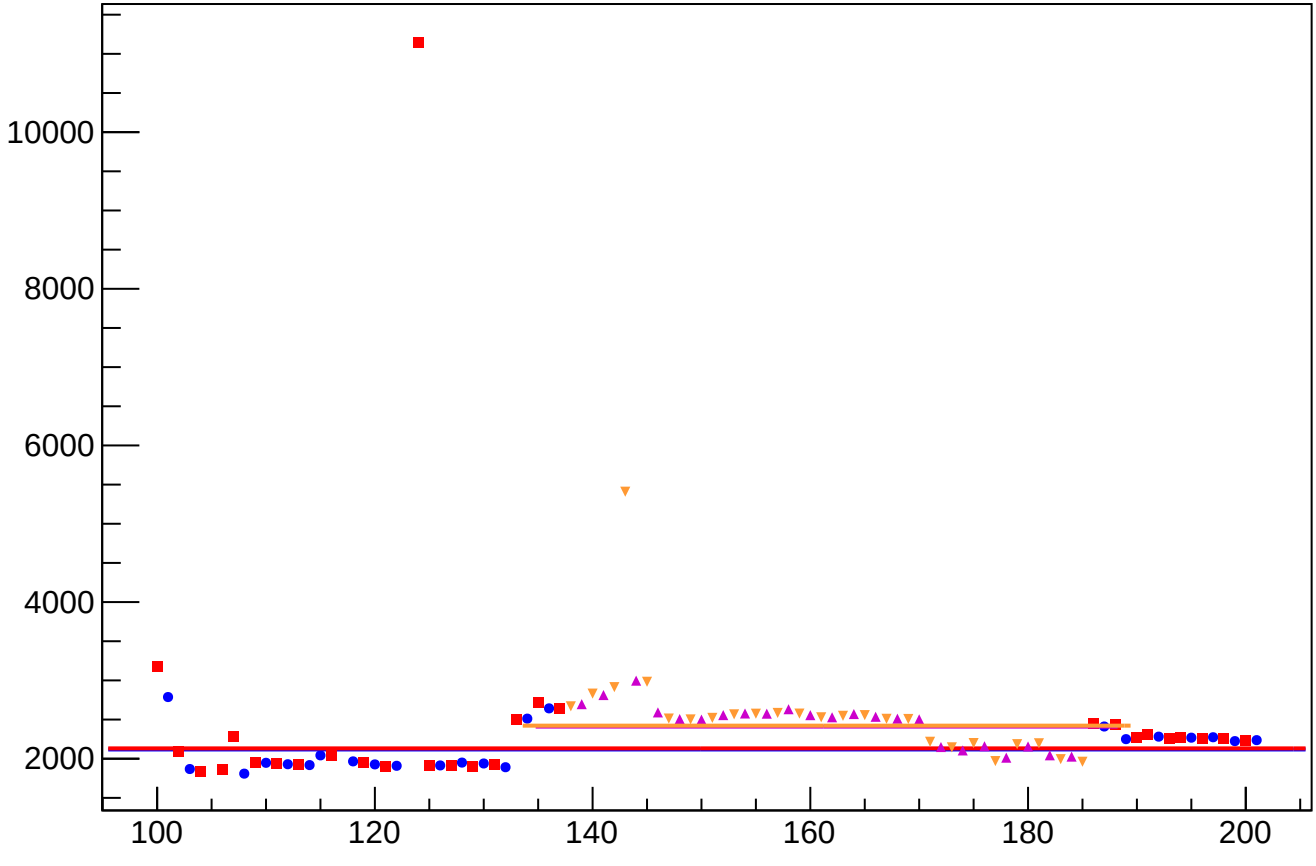
In: 0.000+/-0.000 χ^2/NDF:12612961.1/45

Out: 0.000+/-0.000 χ^2/NDF:14180622.5/52

All: 0.000+/-0.000 χ^2/NDF: 26793796.7/98


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: 2407.702+/-584.944 χ²/NDF: 21.6/27
Left In: 2716.200+/-566.202 χ²/NDF:14.3/22
Left: 1622.262+/-397.186 χ²/NDF: 65.6/47
Right: 2205.393+/-421.328 χ²/NDF: 33.6/50
In: 2377.279+/-414.159 χ²/NDF:26.9/45
Out: 1440.440+/-403.496 χ²/NDF:70.7/52
All: 1896.644+/-289.011 χ²/NDF: 100.2/98

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: 2131.964+/-0.414 χ^2/NDF: 509472.6/27

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

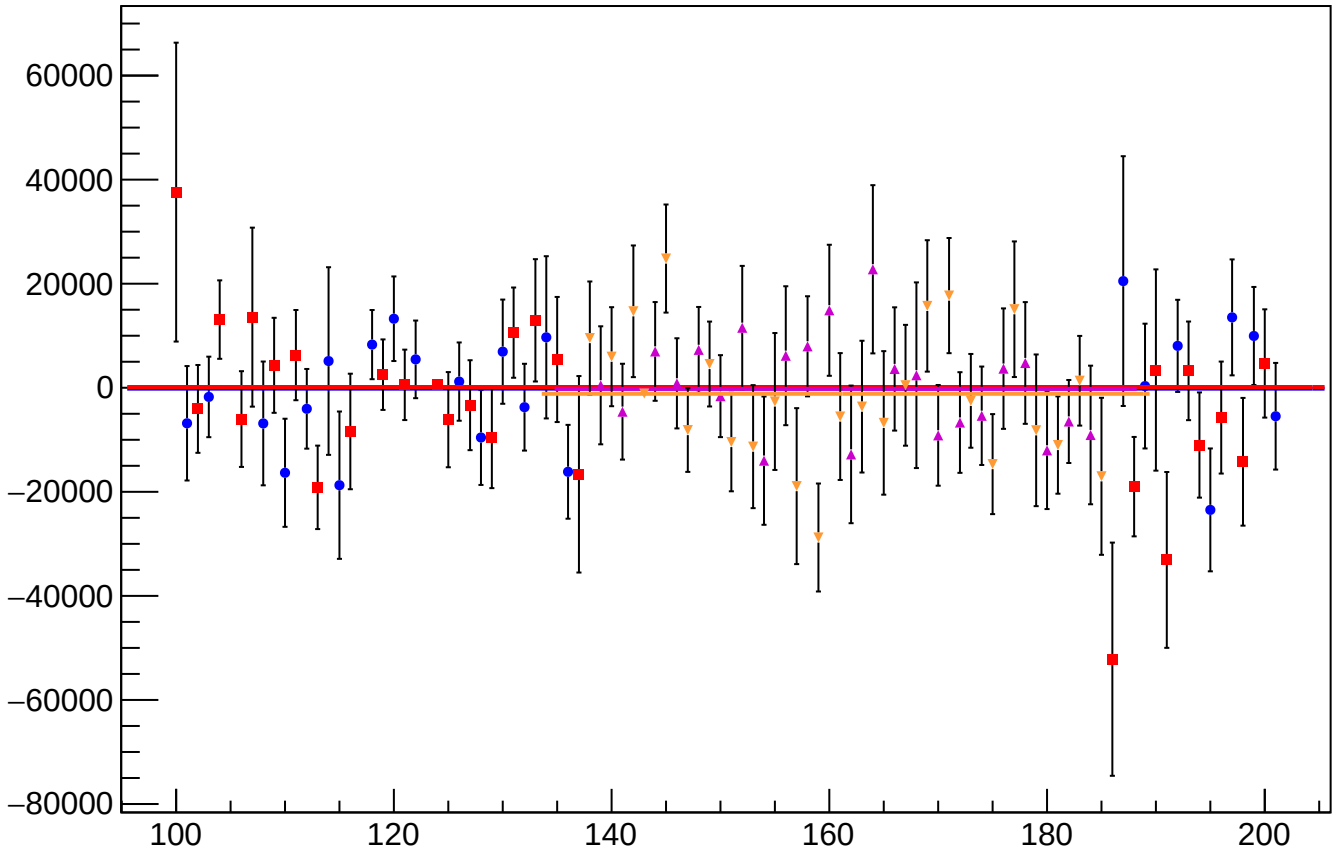
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2125.254+/-0.298 χ^2/NDF: 840680.3/50

In: 2274.146+/-0.293 χ^2/NDF:1006010.2/45

Out: 2284.073+/-0.285 χ^2/NDF:1720338.7/52

All: 2279.239+/-0.204 χ^2/NDF: 2726938.3/98



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: 143.014+/-754.057 χ^2/NDF: 35.2/27

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

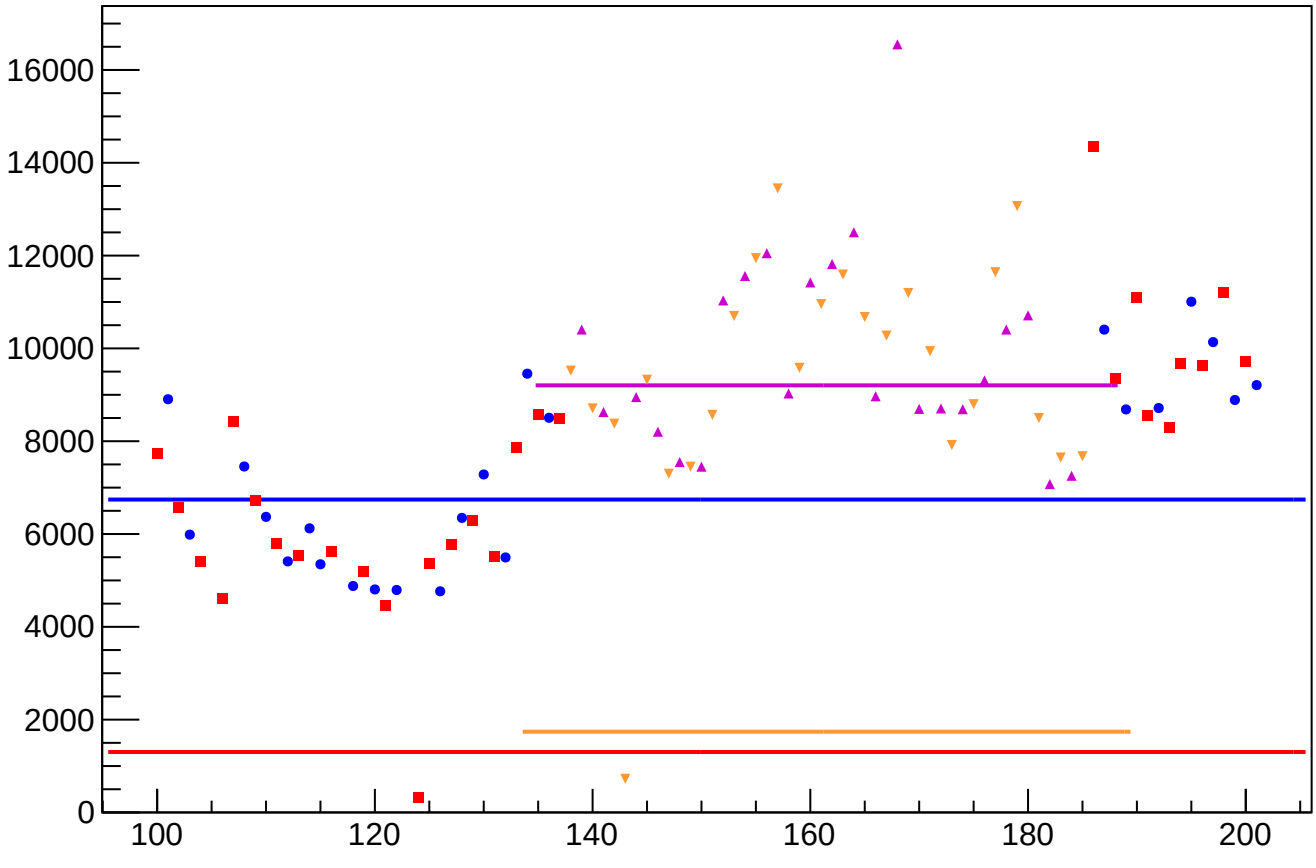
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 104.408+/-705.559 χ^2/NDF: 59.1/50

In: -186.392+/-1478.236 χ^2/NDF:37.3/45

Out: -504.381+/-534.516 χ^2/NDF:68.6/52

All: -467.612+/-502.664 χ^2/NDF: 106.0/98



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: 1302.524+/-0.533 χ^2/NDF: 21006129.6/27

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

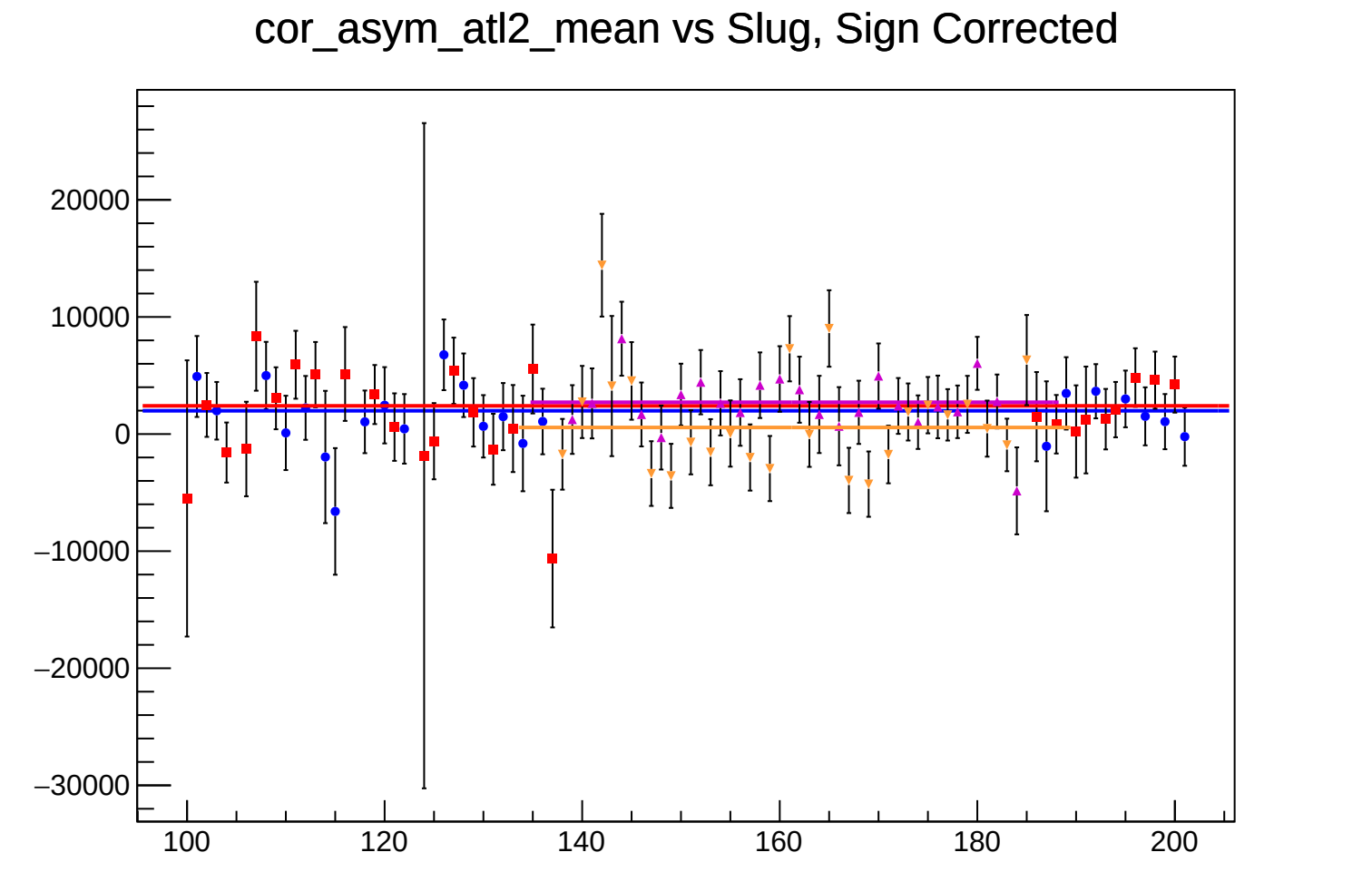
Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

Right: 1979.810+/-0.499 χ^2/NDF: 35755469.5/50

In: 7858.876+/-1.045 χ^2/NDF:4434991.6/45

Out: 1520.026+/-0.378 χ^2/NDF:49074628.1/52

All: 2252.984+/-0.355 χ^2/NDF: 86033138.1/9



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: 2408.813+/-584.948 χ^2/NDF: 21.6/27

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

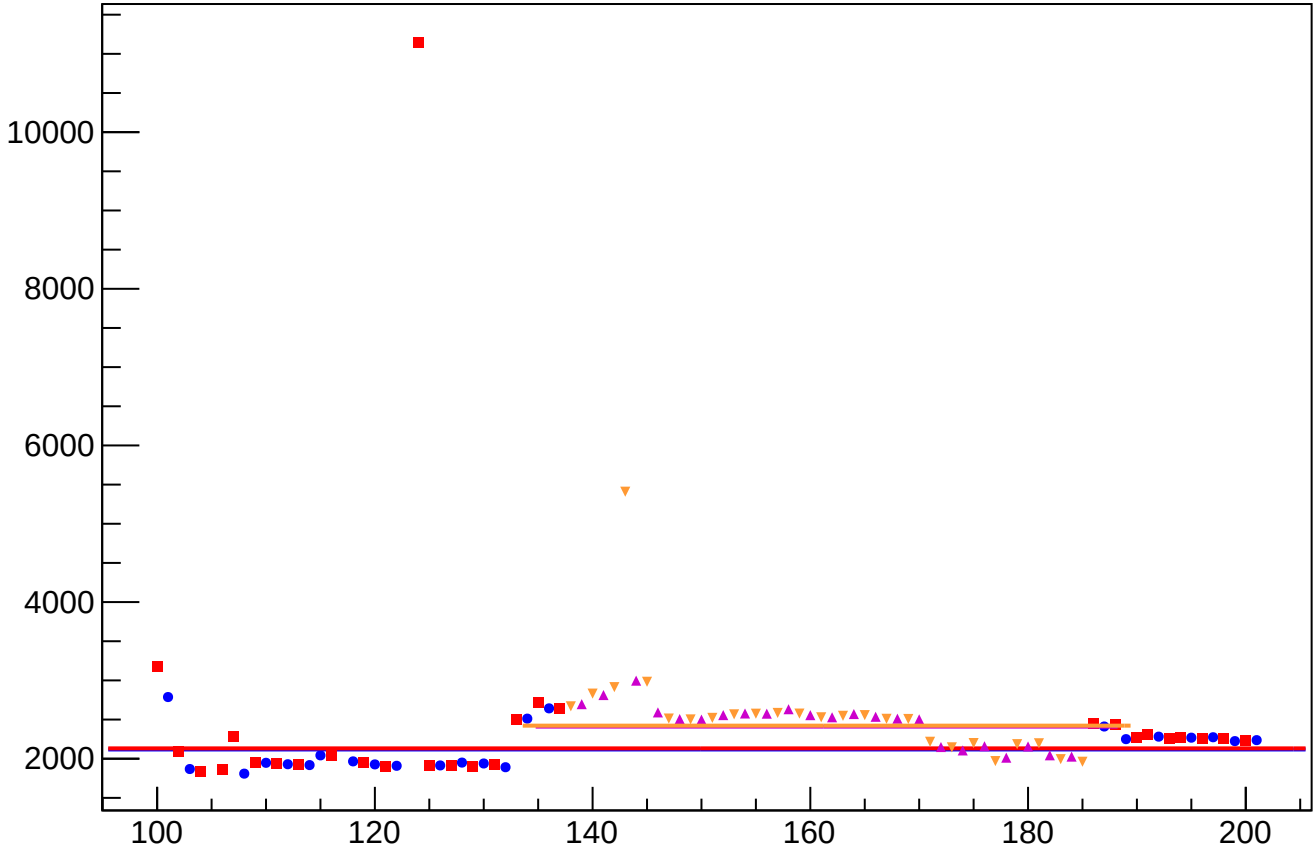
Right: 2205.975+/-421.329 χ^2/NDF: 33.6/50

In: 2377.266+/-414.159 χ^2/NDF:26.9/45

Out: 1440.964+/-403.497 χ^2/NDF:70.7/52

All: 1896.907+/-289.011 χ^2/NDF: 100.2/98

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: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

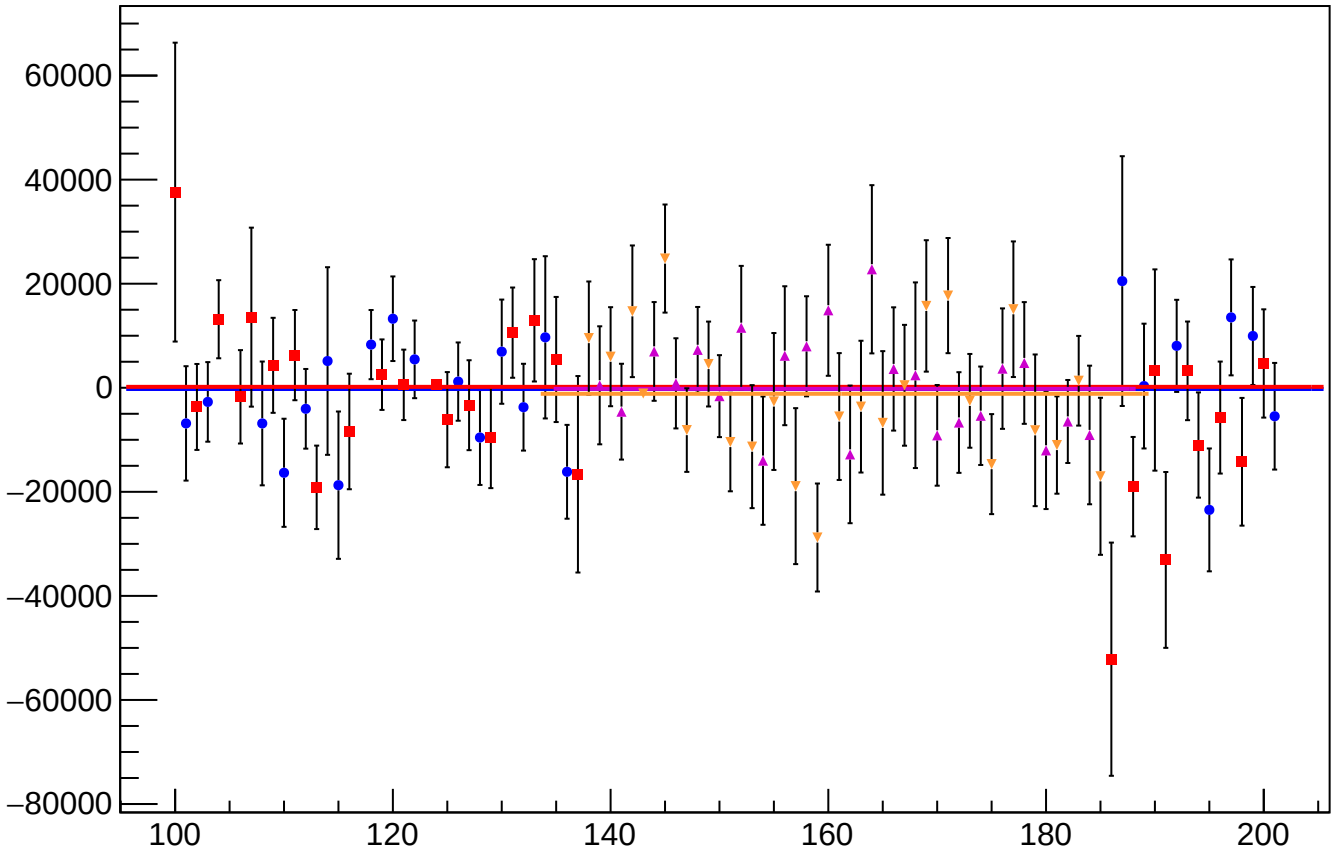
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2125.261+/-0.298 χ^2/NDF: 840675.6/50

In: 2274.146+/-0.293 χ^2/NDF:1006010.3/45

Out: 2284.080+/-0.285 χ^2/NDF:1720306.0/52

All: 2279.242+/-0.204 χ^2/NDF: 2726906.7/98



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: 175.404+/-753.736 χ^2/NDF: 34.8/27

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

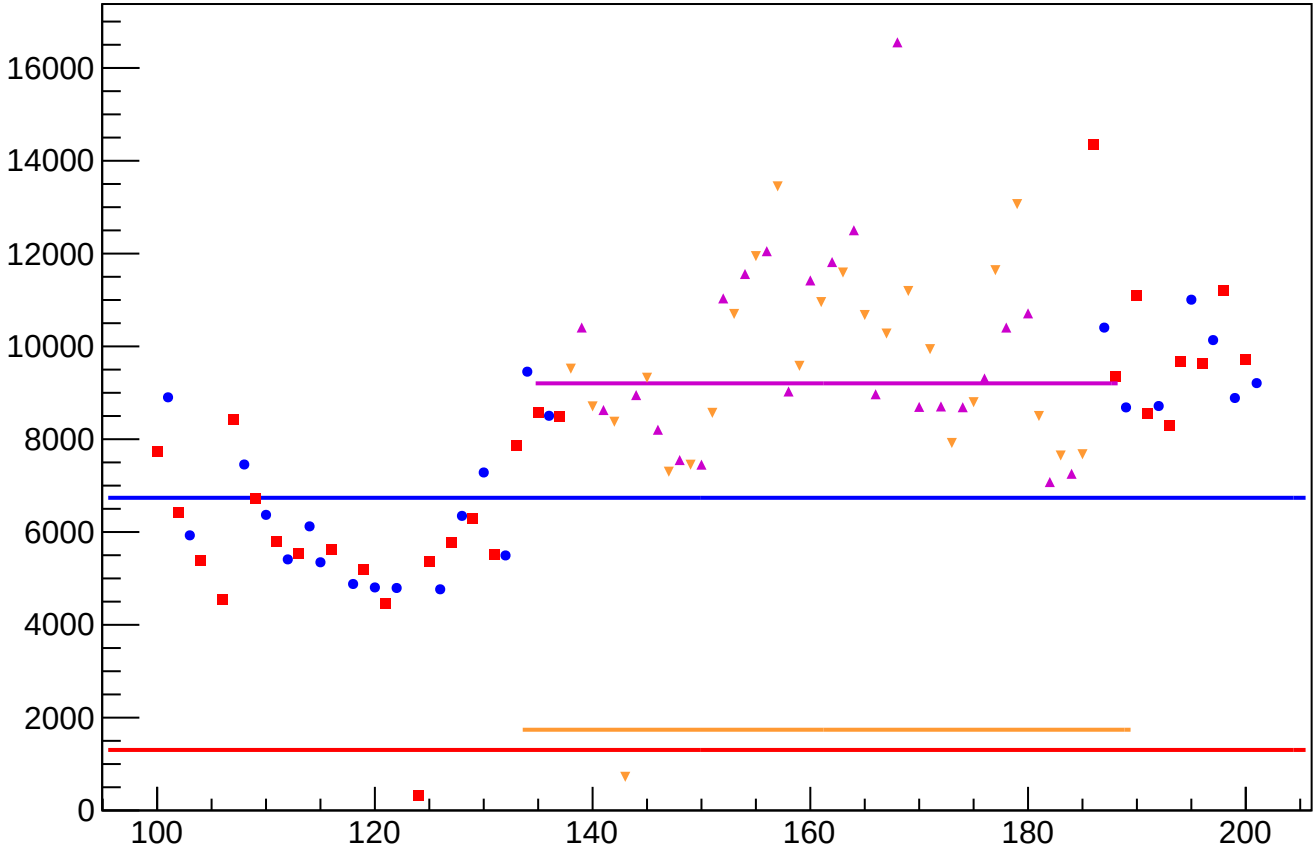
Right: 124.186+/-705.226 χ^2/NDF: 58.8/50

In: -223.848+/-1477.593 χ^2/NDF:37.4/45

Out: -487.760+/-534.379 χ^2/NDF:68.3/52

All: -457.234+/-502.525 χ^2/NDF: 105.7/98

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: 1303.917+/-0.533 χ^2/NDF: 20998853.8/27

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

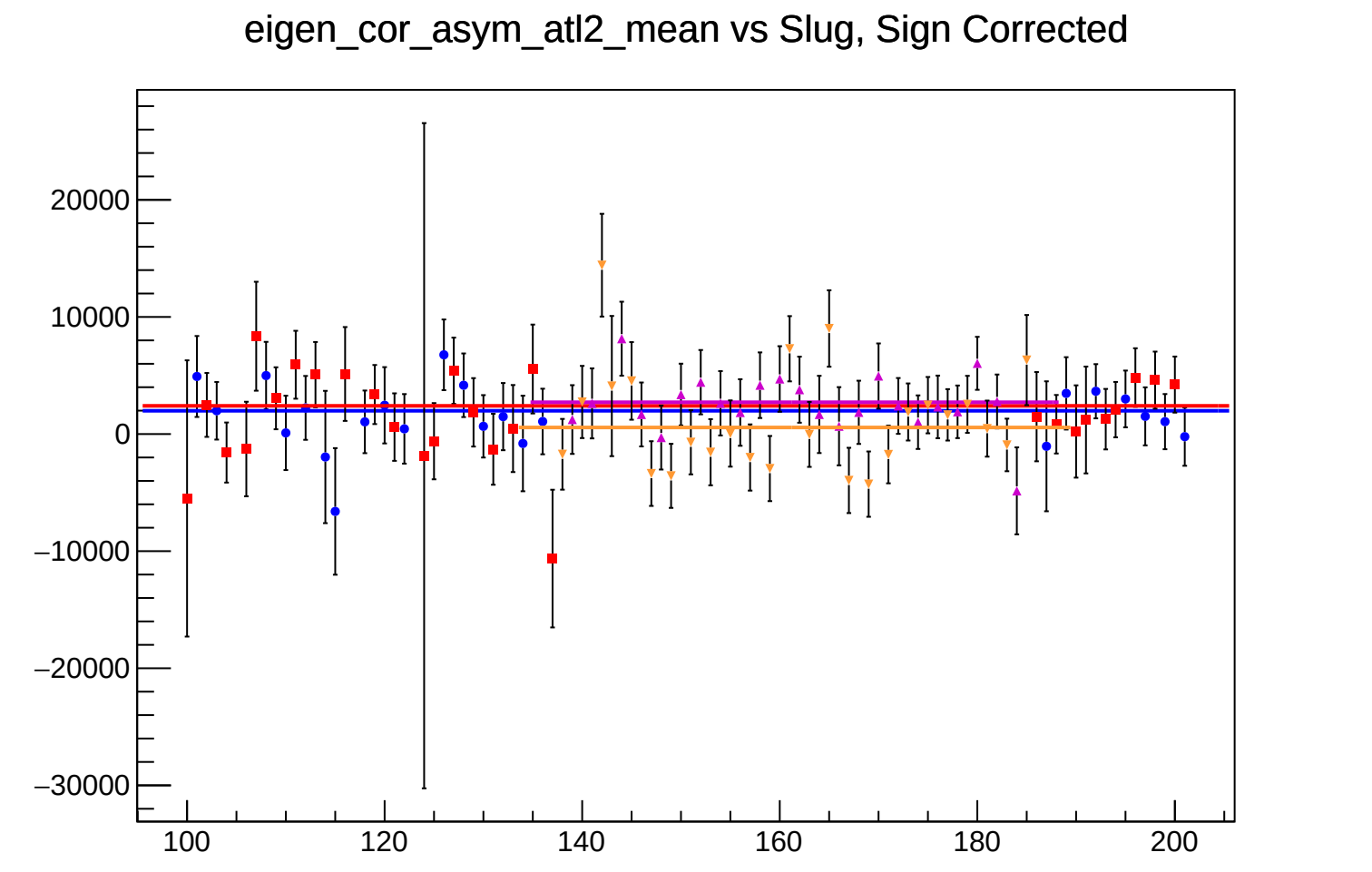
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1980.818+/-0.499 χ^2/NDF: 35739561.2/50

In: 7855.045+/-1.045 χ^2/NDF:4445297.7/45

Out: 1520.536+/-0.378 χ^2/NDF:49066082.1/52

All: 2253.223+/-0.355 χ^2/NDF: 86017328.1/9


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
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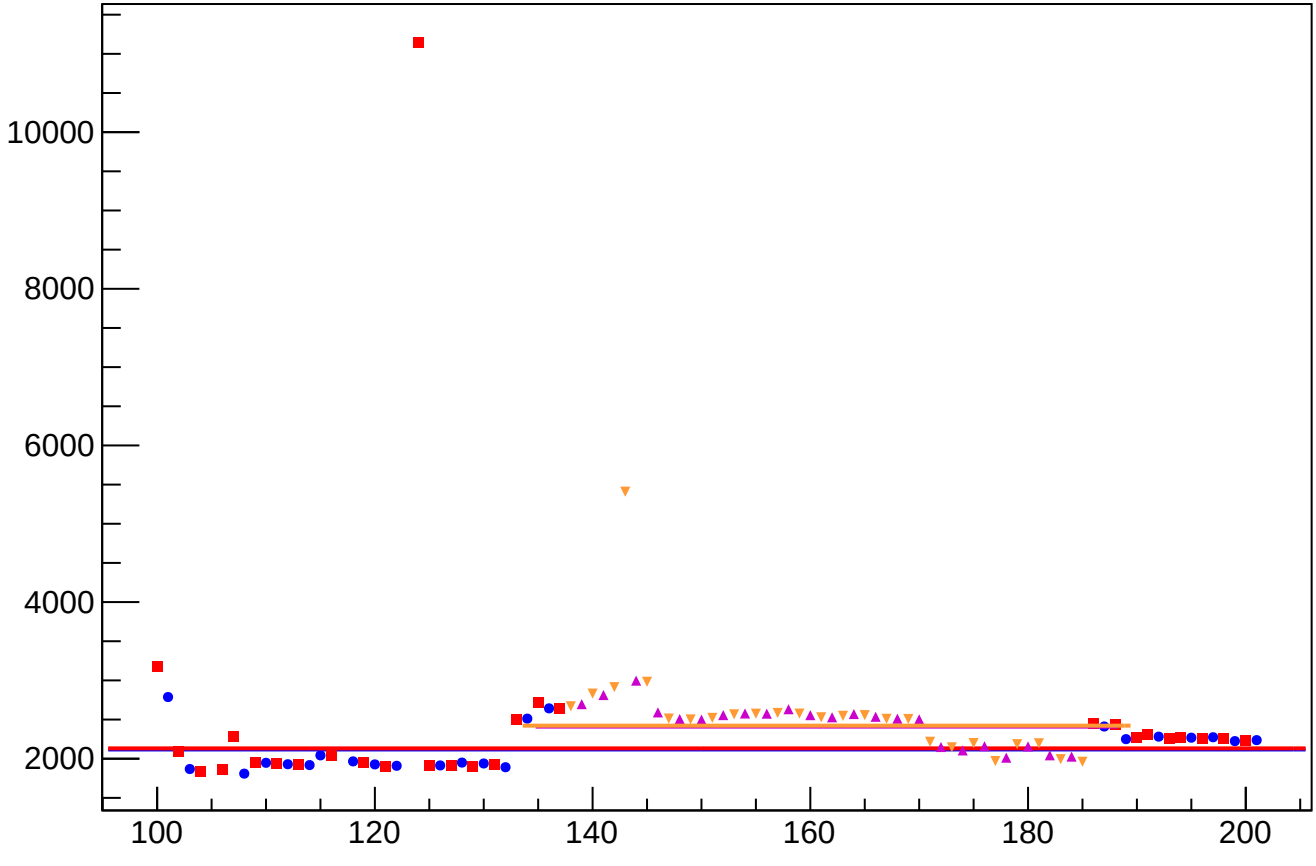
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1987.279+/-607.383 χ²/NDF: 11.8/22
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2408.813+/-584.948 χ²/NDF: 21.6/27
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2205.975+/-421.329 χ²/NDF: 33.6/50
In: 2377.266+/-414.159 χ²/NDF:26.9/45
Out: 1440.964+/-403.497 χ²/NDF:70.7/52
All: 1896.907+/-289.011 χ²/NDF: 100.2/98

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: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

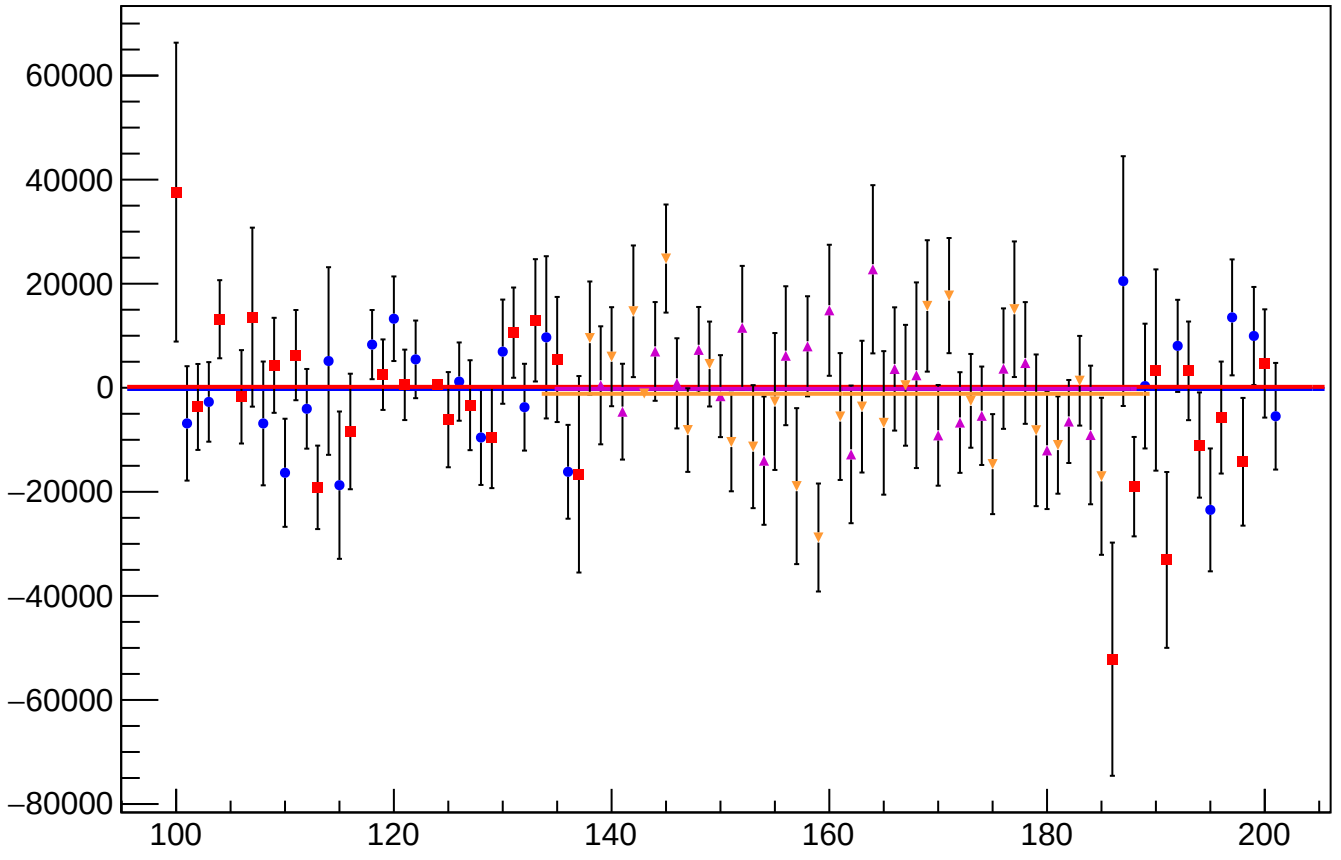
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2125.261+/-0.298 χ^2/NDF: 840675.6/50

In: 2274.146+/-0.293 χ^2/NDF:1006010.3/45

Out: 2284.080+/-0.285 χ^2/NDF:1720306.0/52

All: 2279.242+/-0.204 χ^2/NDF: 2726906.7/98



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: 175.404+/-753.736 χ^2/NDF: 34.8/27

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

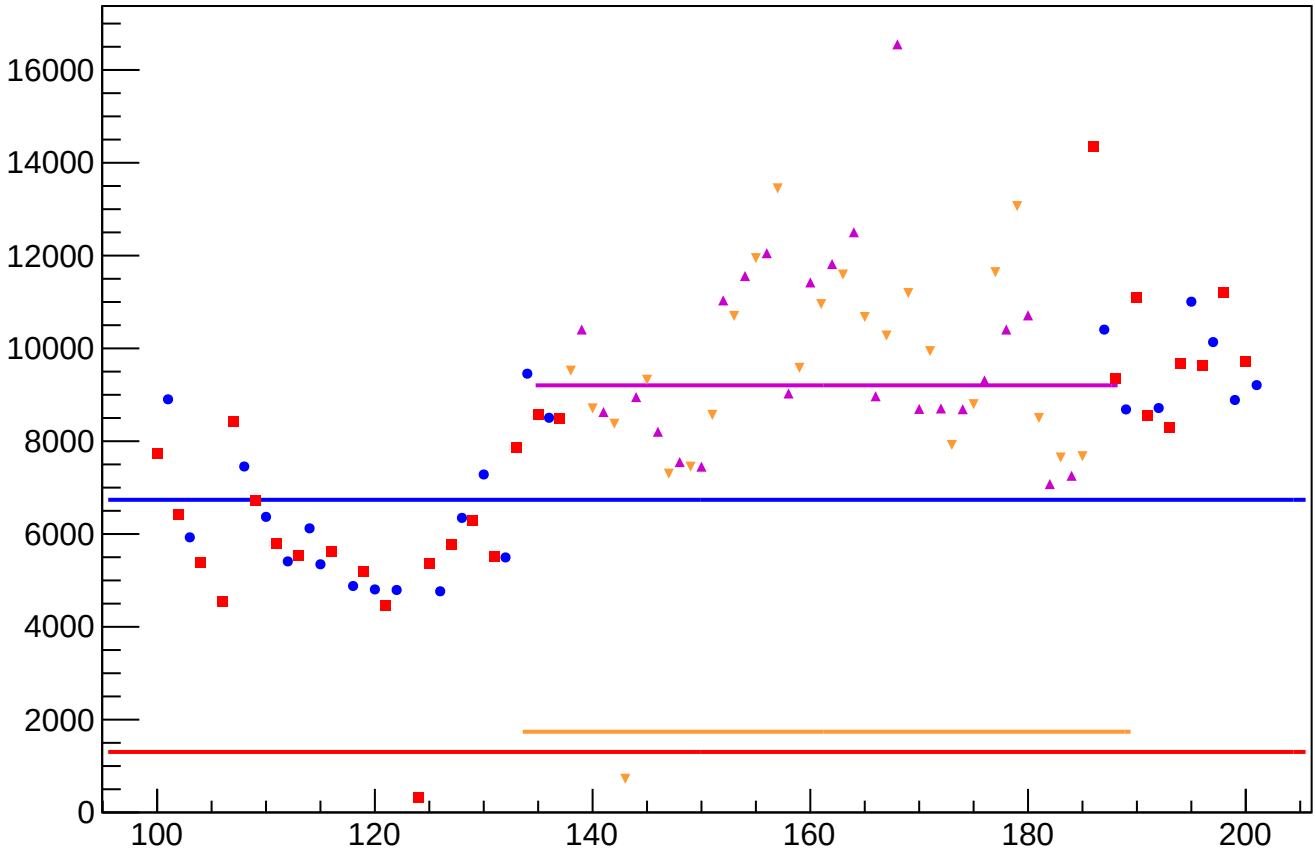
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 124.186+/-705.226 χ^2/NDF: 58.8/50

In: -223.848+/-1477.593 χ^2/NDF:37.4/45

Out: -487.760+/-534.379 χ^2/NDF:68.3/52

All: -457.234+/-502.525 χ^2/NDF: 105.7/98



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: 1303.917+/-0.533 χ^2/NDF: 20998853.8/27

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

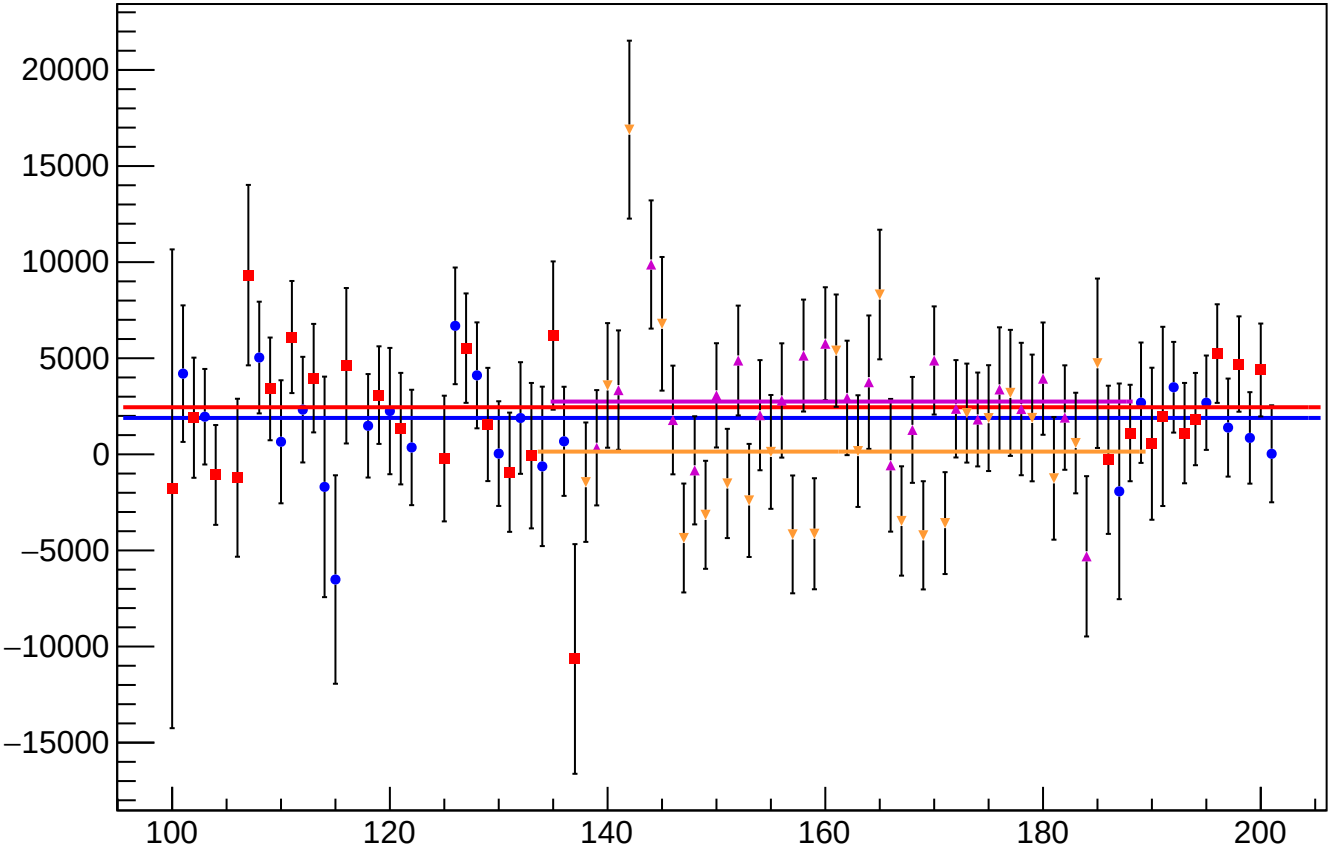
Right: 1980.818+/-0.499 χ^2/NDF: 35739561.2/50

In: 7855.045+/-1.045 χ^2/NDF:4445297.7/45

Out: 1520.536+/-0.378 χ^2/NDF:49066082.1/52

All: 2253.223+/-0.355 χ^2/NDF: 86017328.1/9

dit_asym_atl2_mean vs Slug, Sign Corrected



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: 2450.598+/-595.203 χ^2/NDF: 20.7/26

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

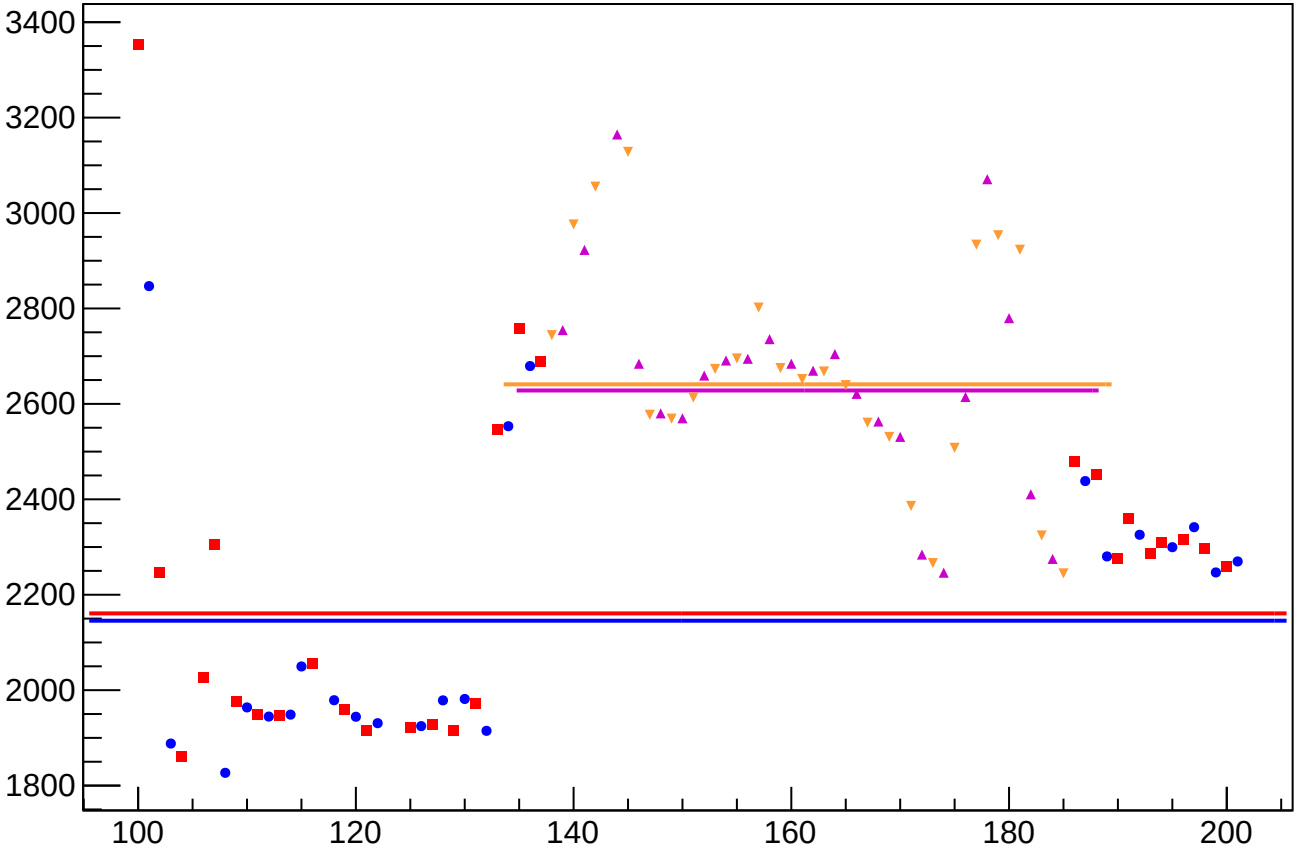
Right: 2181.670+/-427.940 χ^2/NDF: 32.0/49

In: 2319.653+/-435.521 χ^2/NDF:27.3/45

Out: 1335.663+/-427.945 χ^2/NDF:73.8/50

All: 1819.025+/-305.246 χ^2/NDF: 103.6/96

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: 2160.886+/-0.420 χ^2/NDF: 315097.4/26

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

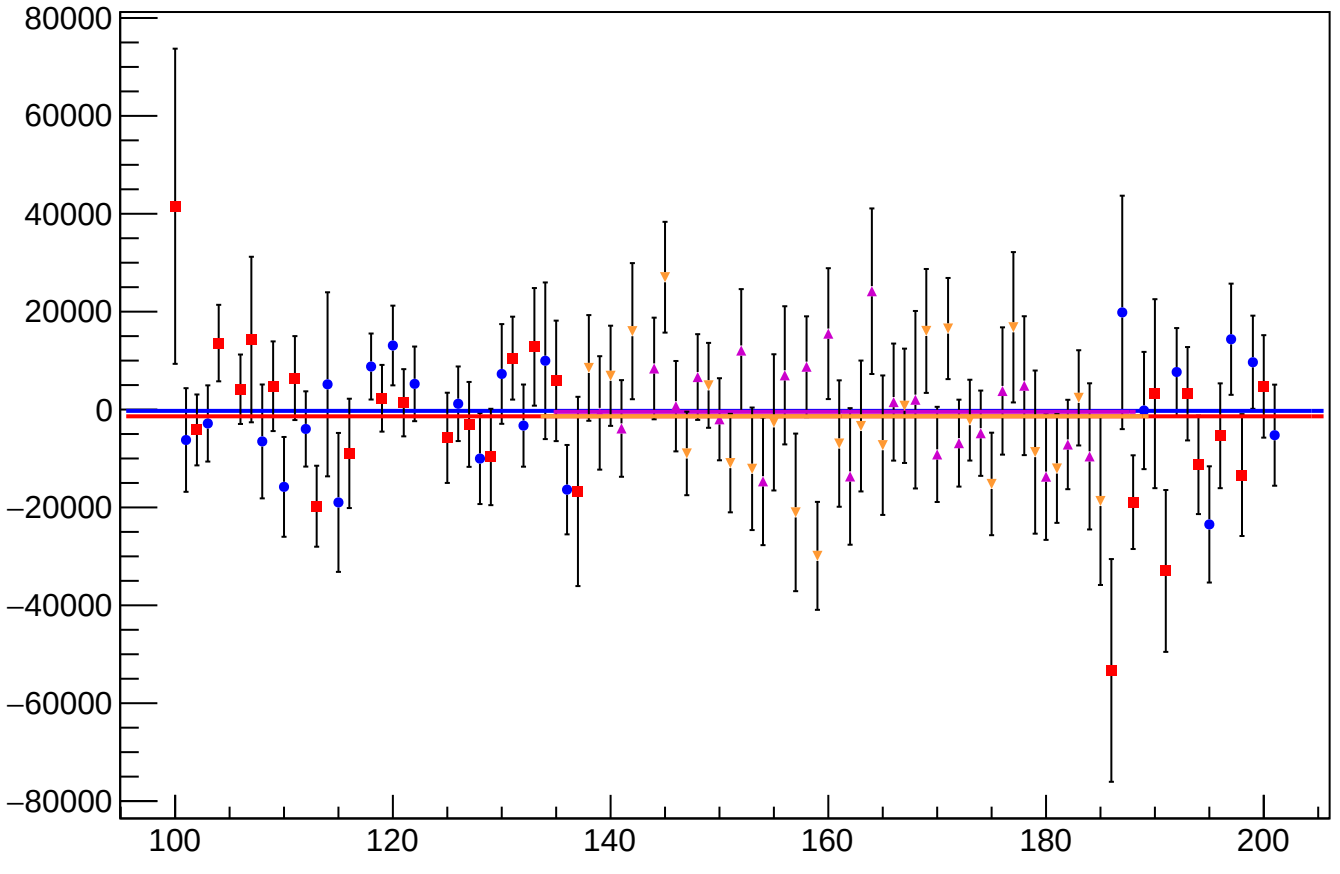
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2153.510+/-0.302 χ^2/NDF: 661477.2/49

In: 2386.698+/-0.308 χ^2/NDF:1196966.0/45

Out: 2392.586+/-0.302 χ^2/NDF:1197633.3/50

All: 2389.695+/-0.216 χ^2/NDF: 2394785.4/96



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: -1385.728+/-1888.112 χ^2/NDF: 34.4/26

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

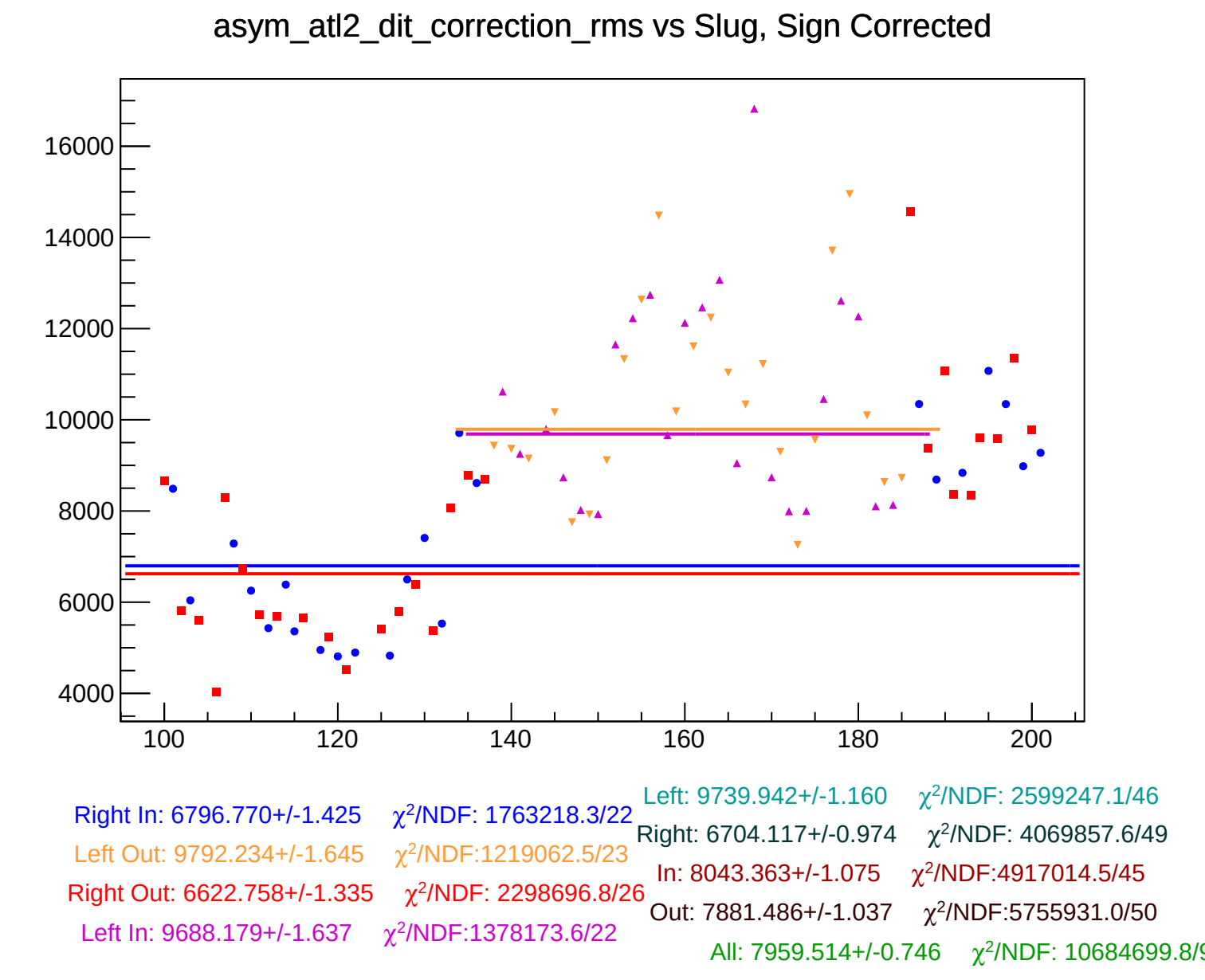
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

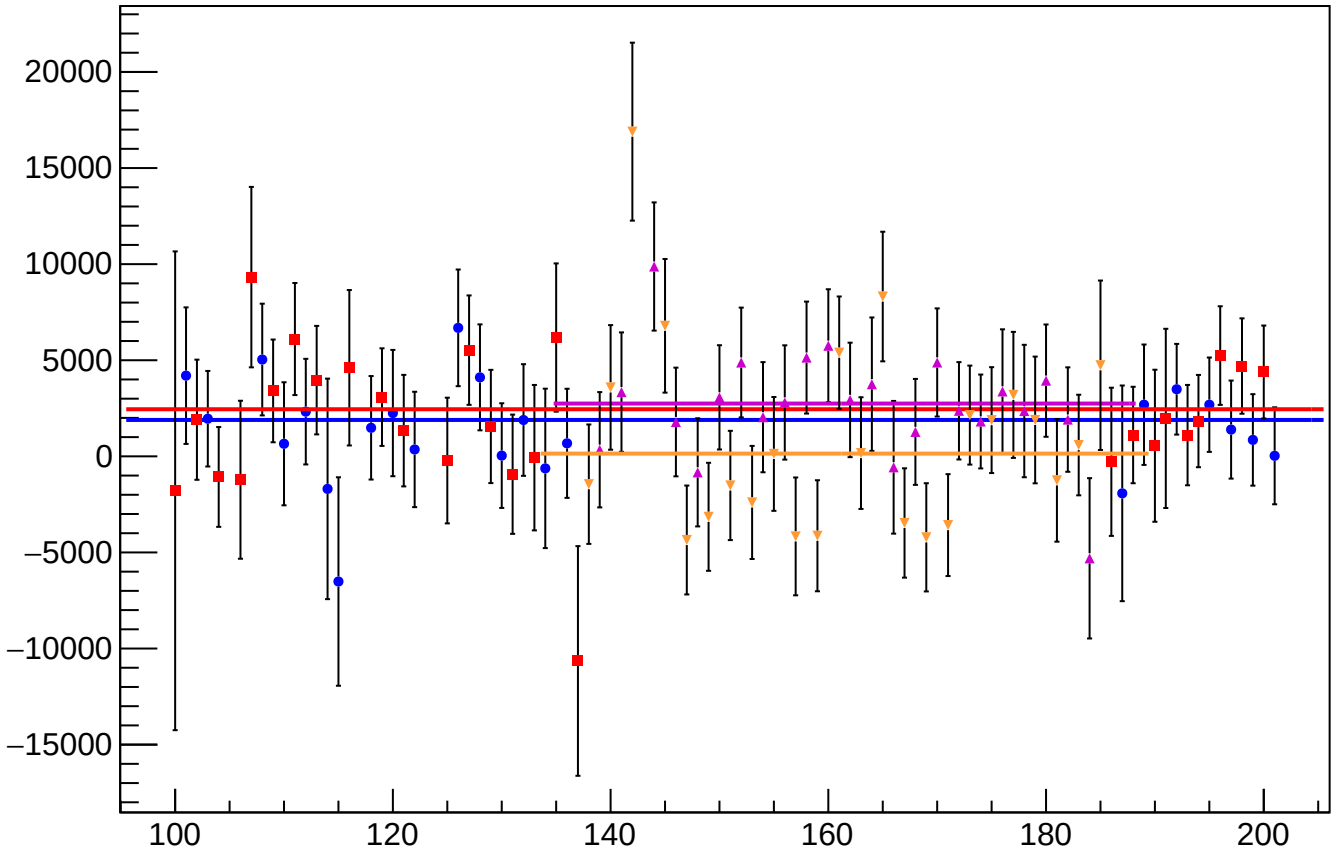
Right: -864.868+/-1377.745 χ^2/NDF: 58.3/49

In: -354.510+/-1519.710 χ^2/NDF:36.8/45

Out: -1378.227+/-1466.006 χ^2/NDF:65.6/50

All: -884.776+/-1055.098 χ^2/NDF: 102.7/96


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: 6622.758+/-1.335 χ²/NDF: 2298696.8/26
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6704.117+/-0.974 χ²/NDF: 4069857.6/49
In: 8043.363+/-1.075 χ²/NDF:4917014.5/45
Out: 7881.486+/-1.037 χ²/NDF:5755931.0/50
All: 7959.514+/-0.746 χ²/NDF: 10684699.8/9



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: 2450.599+/-595.203 χ^2/NDF: 20.7/26

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

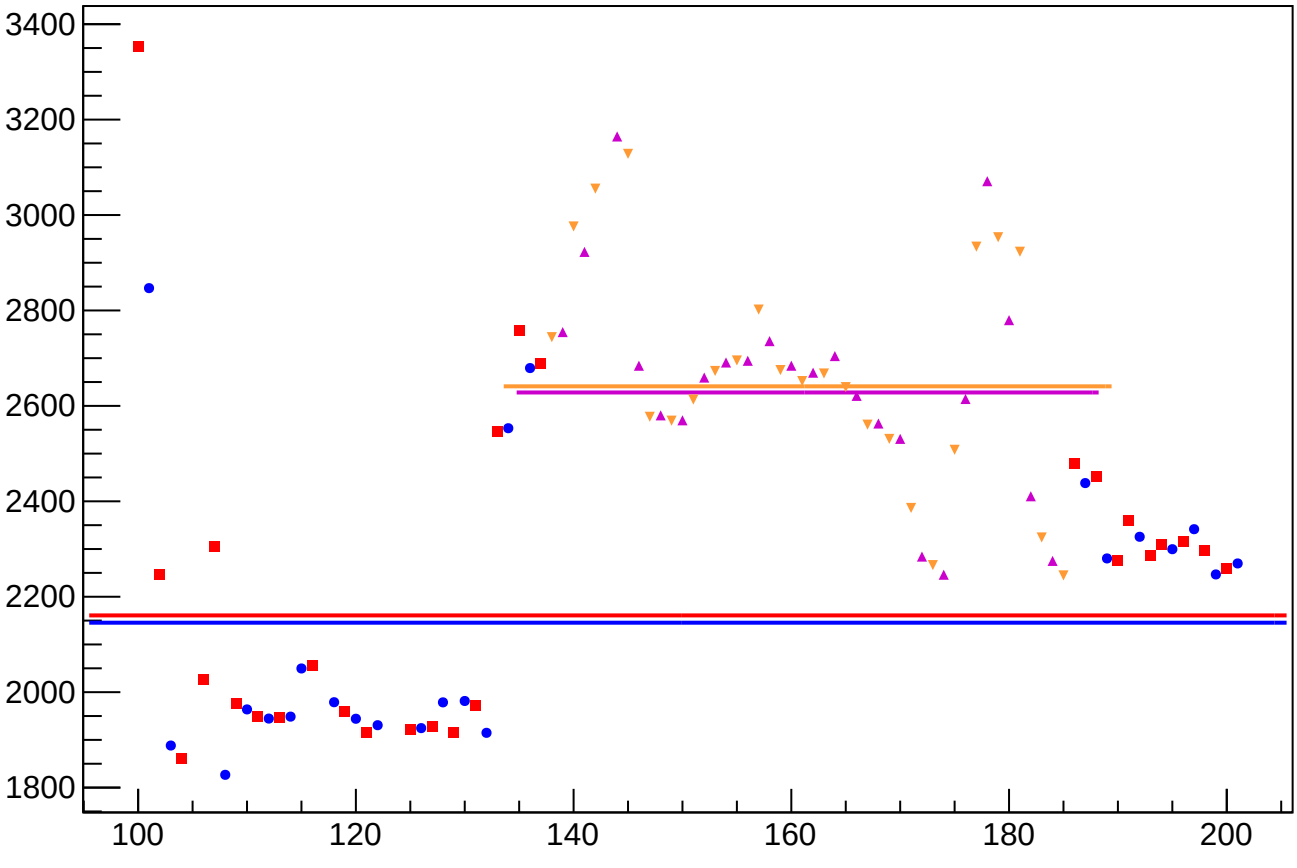
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

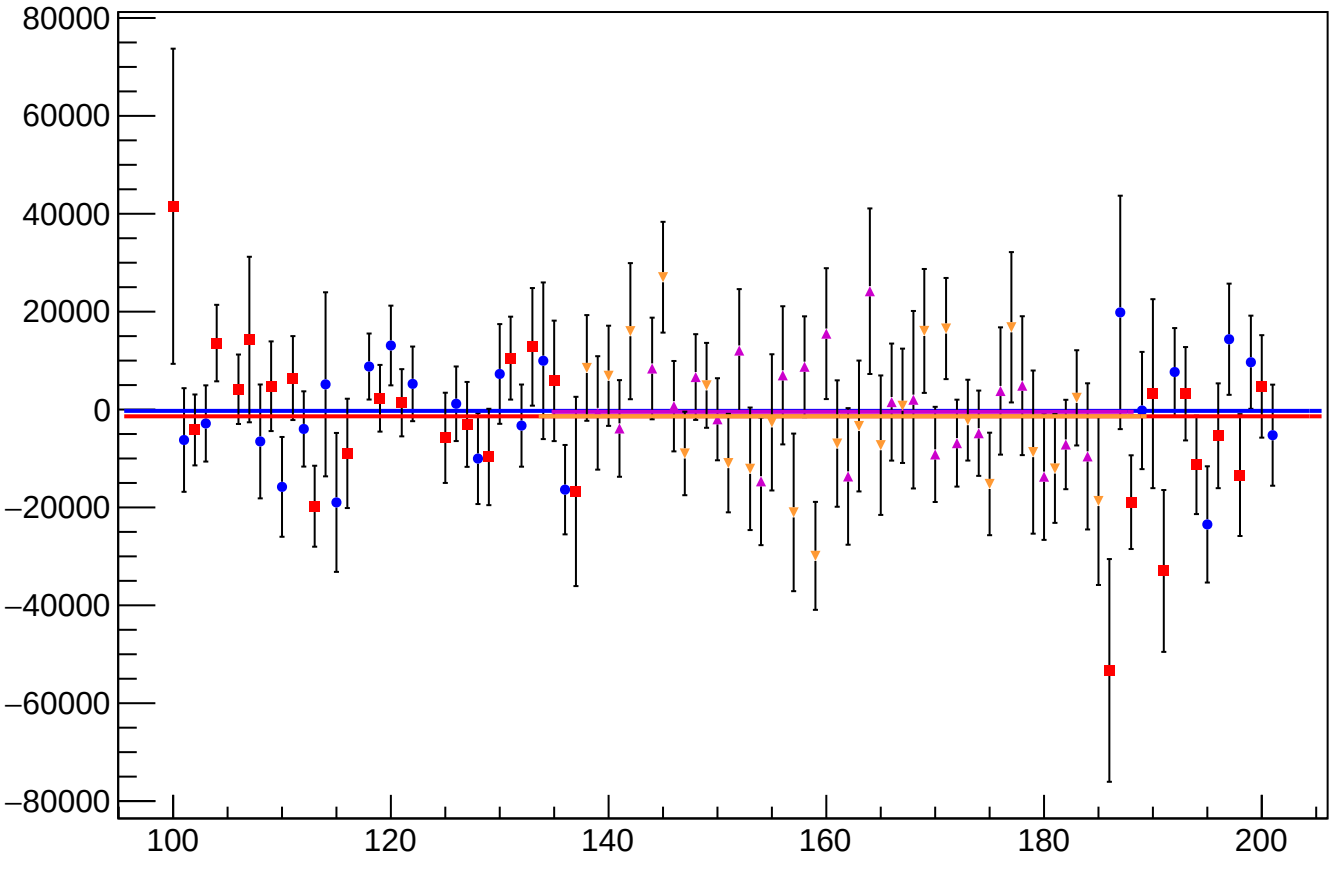
Right: 2181.670+/-427.940 χ^2/NDF: 32.0/49

In: 2319.651+/-435.521 χ^2/NDF:27.3/45

Out: 1335.659+/-427.946 χ^2/NDF:73.8/50

All: 1819.023+/-305.246 χ^2/NDF: 103.6/96


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
120
140
160
180
200
Right In: 2145.602+/-0.435 χ²/NDF: 345742.2/22
Left Out: 2640.993+/-0.435 χ²/NDF:253411.8/23
Right Out: 2160.886+/-0.420 χ²/NDF: 315097.9/26
Left In: 2628.116+/-0.436 χ²/NDF:237516.8/22
Left: 2634.558+/-0.308 χ²/NDF: 491365.7/46
Right: 2153.510+/-0.302 χ²/NDF: 661477.6/49
In: 2386.699+/-0.308 χ²/NDF:1196980.0/45
Out: 2392.587+/-0.302 χ²/NDF:1197648.3/50
All: 2389.696+/-0.216 χ²/NDF: 2394814.4/96



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: -1385.716+/-1888.109 χ^2/NDF: 34.4/26

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

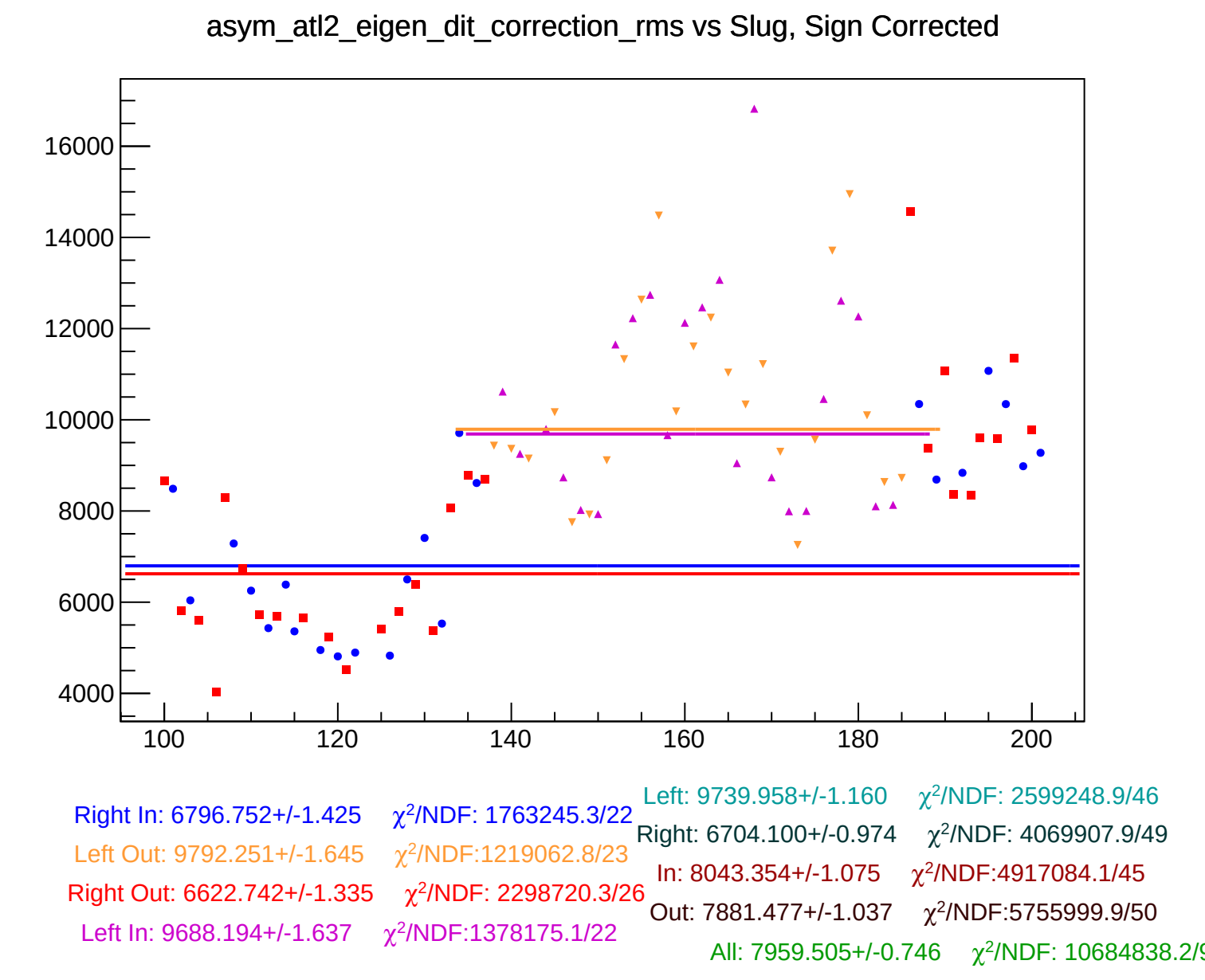
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -864.858+/-1377.742 χ^2/NDF: 58.3/49

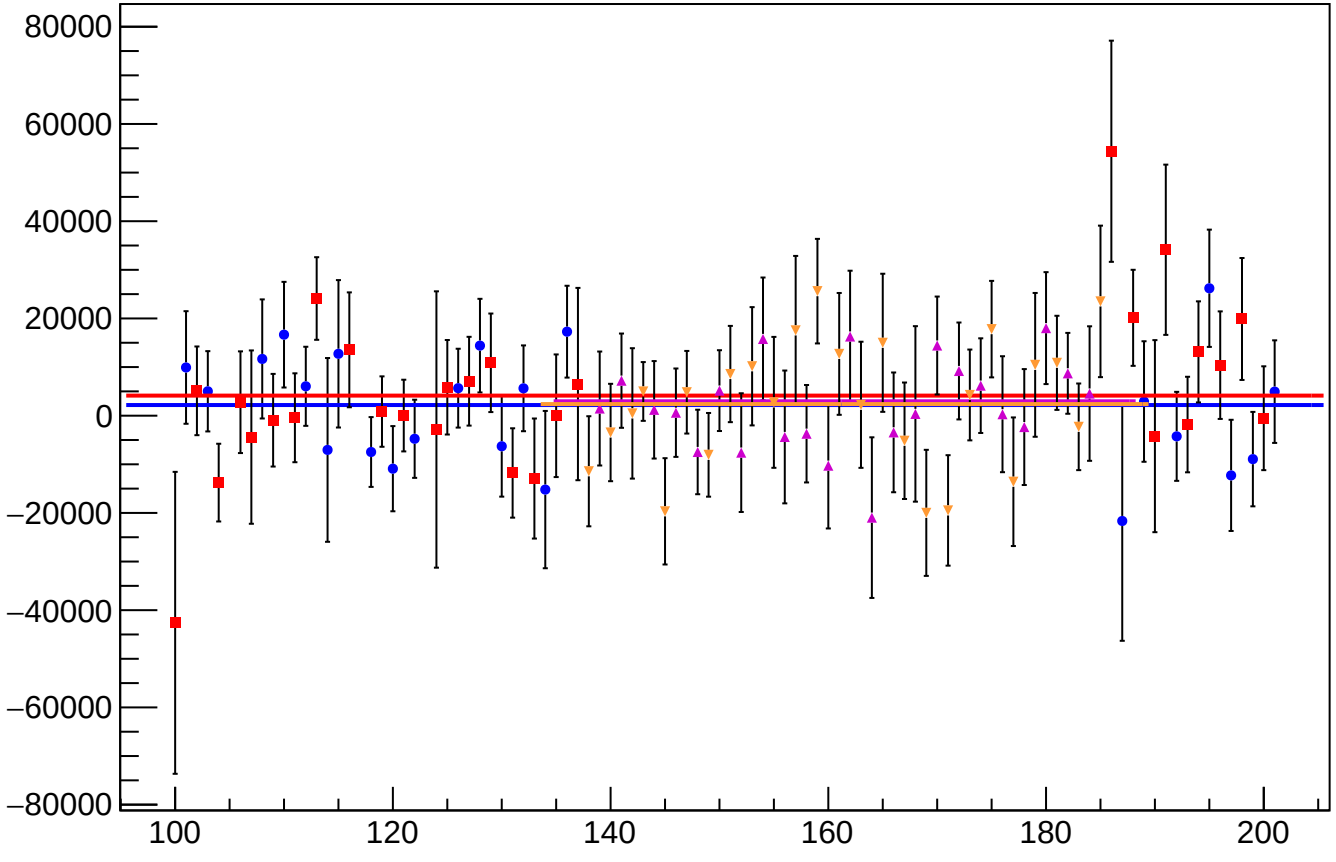
In: -354.506+/-1519.709 χ^2/NDF:36.8/45

Out: -1378.223+/-1466.006 χ^2/NDF:65.6/50

All: -884.772+/-1055.097 χ^2/NDF: 102.7/96


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: 6622.742+/-1.335 χ²/NDF: 2298720.3/26
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6704.100+/-0.974 χ²/NDF: 4069907.9/49
In: 8043.354+/-1.075 χ²/NDF:4917084.1/45
Out: 7881.477+/-1.037 χ²/NDF:5755999.9/50
All: 7959.505+/-0.746 χ²/NDF: 10684838.2/9

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: 4130.378+/-2023.631 χ^2/NDF: 34.2/27

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

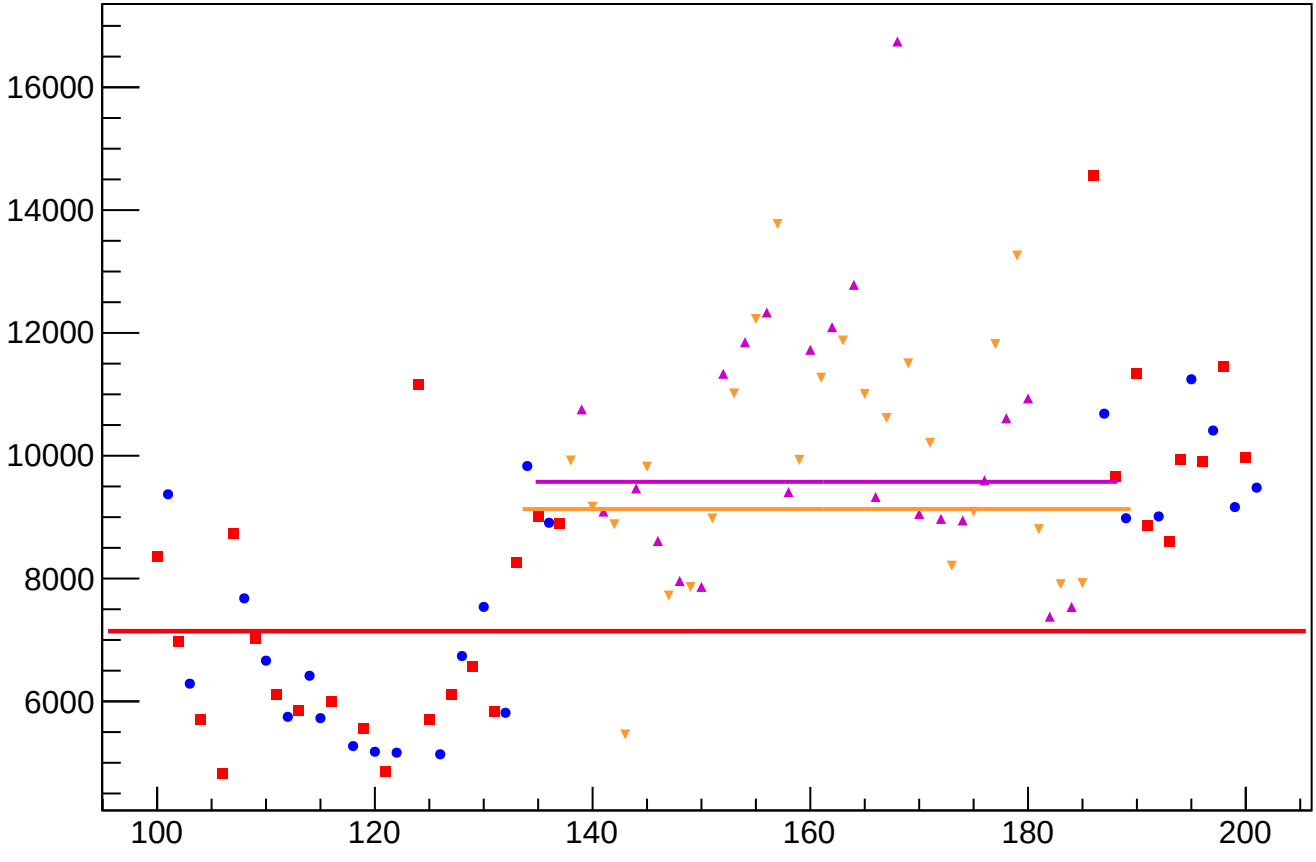
Right: 3200.509+/-1460.120 χ^2/NDF: 58.1/50

In: 2547.193+/-1547.820 χ^2/NDF:36.4/45

Out: 3306.371+/-1469.215 χ^2/NDF:64.3/52

All: 2946.548+/-1065.597 χ^2/NDF: 100.9/98

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: 7147.687+/-1.431 χ^2/NDF: 1937071.2/27

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

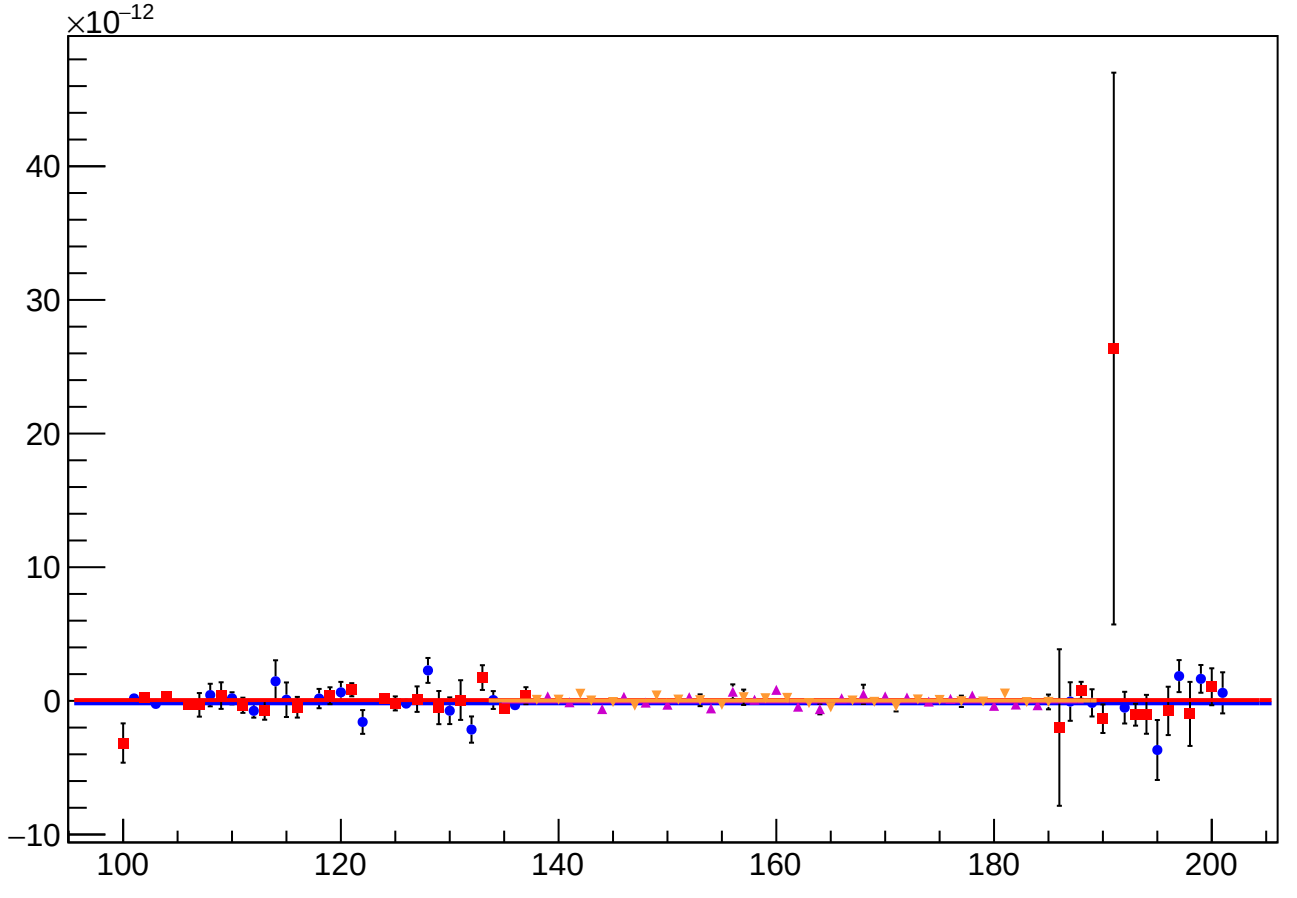
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7144.086+/-1.032 χ^2/NDF: 3524671.3/50

In: 8263.457+/-1.094 χ^2/NDF:3971482.1/45

Out: 8085.895+/-1.039 χ^2/NDF:4657841.8/52

All: 8170.053+/-0.753 χ^2/NDF: 8643169.2/98



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: 28.9/27

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

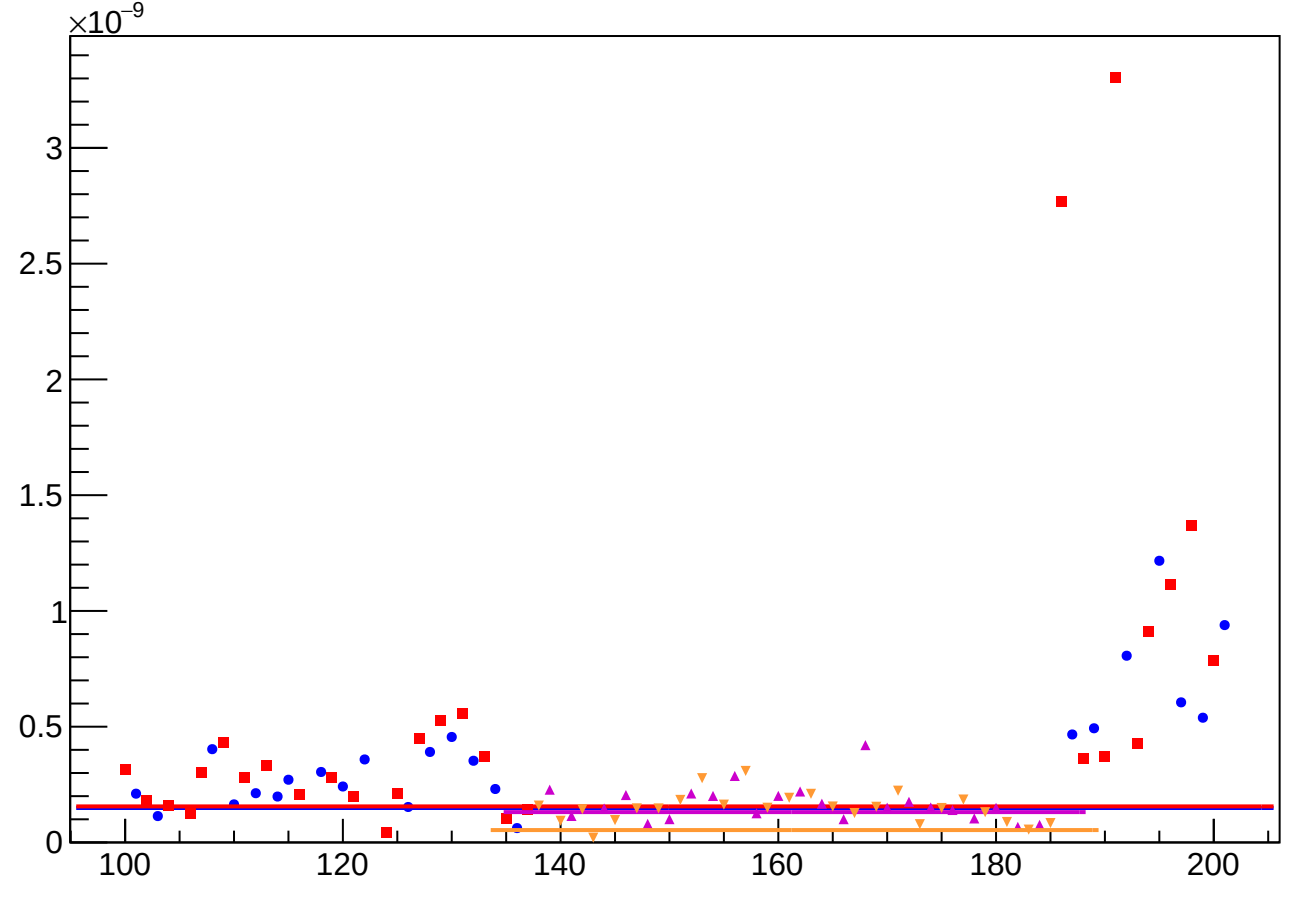
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 62.0/50

In: -0.000+/-0.000 χ^2/NDF:68.1/45

Out: 0.000+/-0.000 χ^2/NDF:46.9/52

All: -0.000+/-0.000 χ^2/NDF: 119.1/98



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: 5398476.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

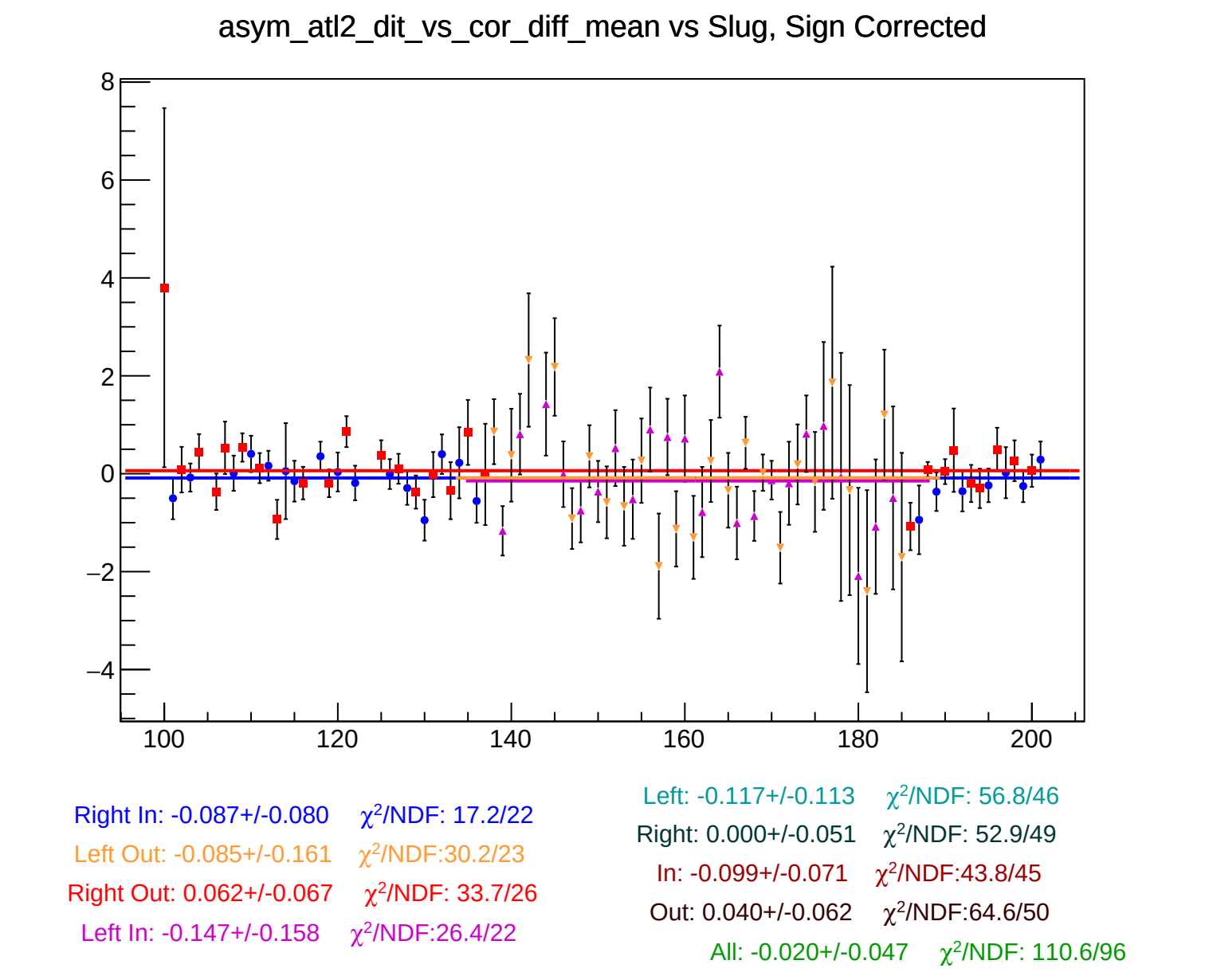
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9704350.1/50

In: 0.000+/-0.000 χ^2/NDF:6258248.3/45

Out: 0.000+/-0.000 χ^2/NDF:14834837.1/52

All: 0.000+/-0.000 χ^2/NDF: 24589910.0/98


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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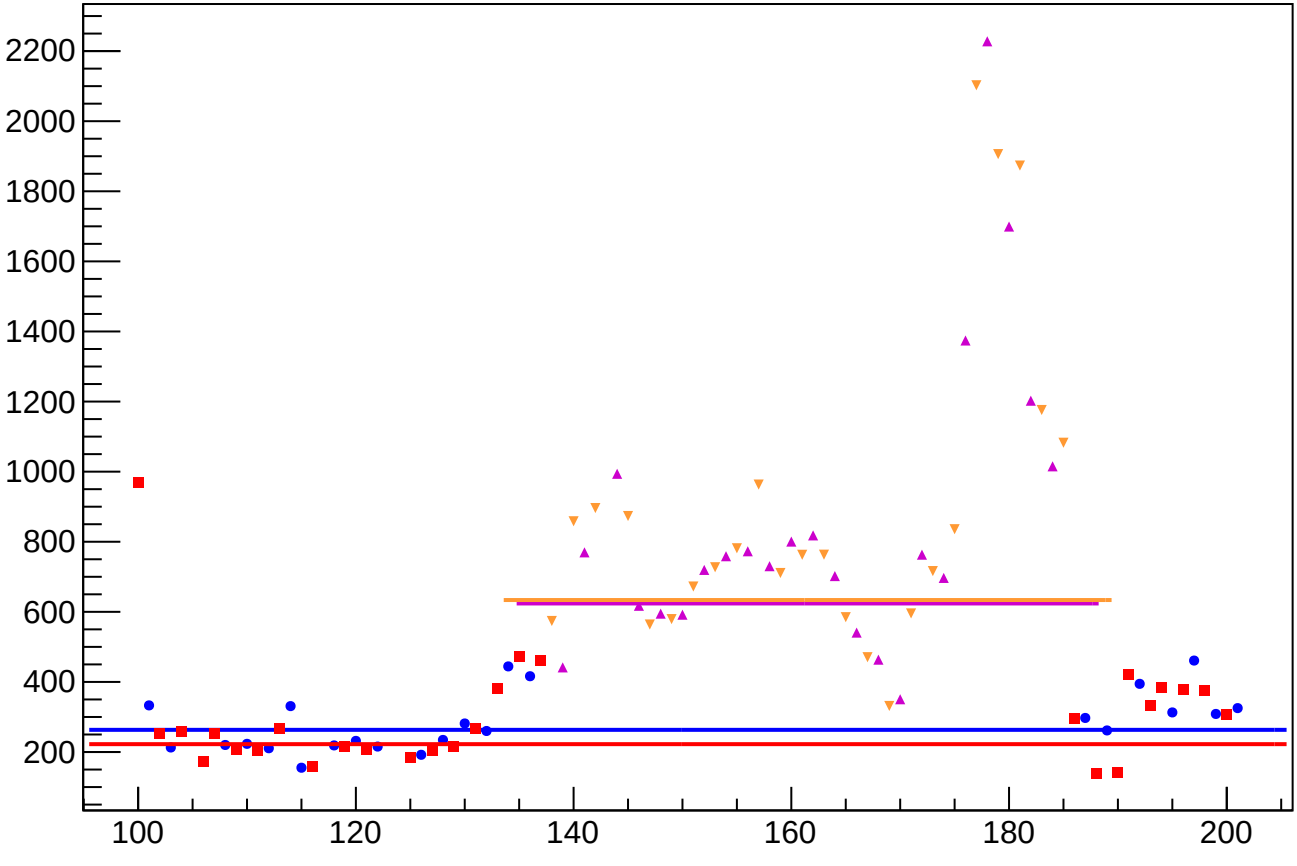
Right In: -0.087+/-0.080 χ²/NDF: 17.2/22
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.067 χ²/NDF: 33.7/26
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.000+/-0.051 χ²/NDF: 52.9/49
In: -0.099+/-0.071 χ²/NDF:43.8/45
Out: 0.040+/-0.062 χ²/NDF:64.6/50
All: -0.020+/-0.047 χ²/NDF: 110.6/96

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: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

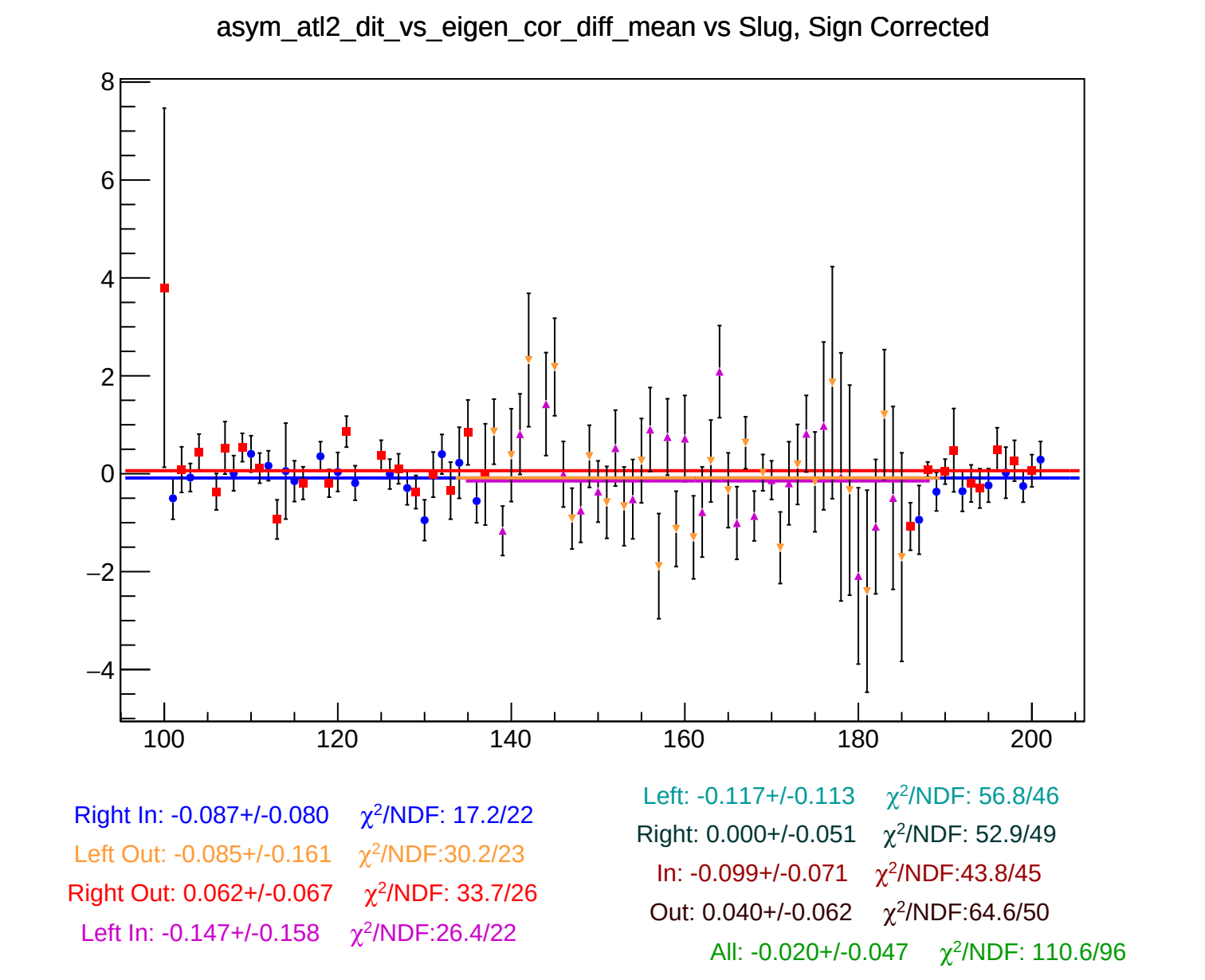
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 239.422+/-0.036 χ^2/NDF: 4859752.1/49

In: 336.511+/-0.050 χ^2/NDF:14405021.1/45

Out: 283.346+/-0.044 χ^2/NDF:19021523.6/50

All: 306.291+/-0.033 χ^2/NDF: 34058871.7/96


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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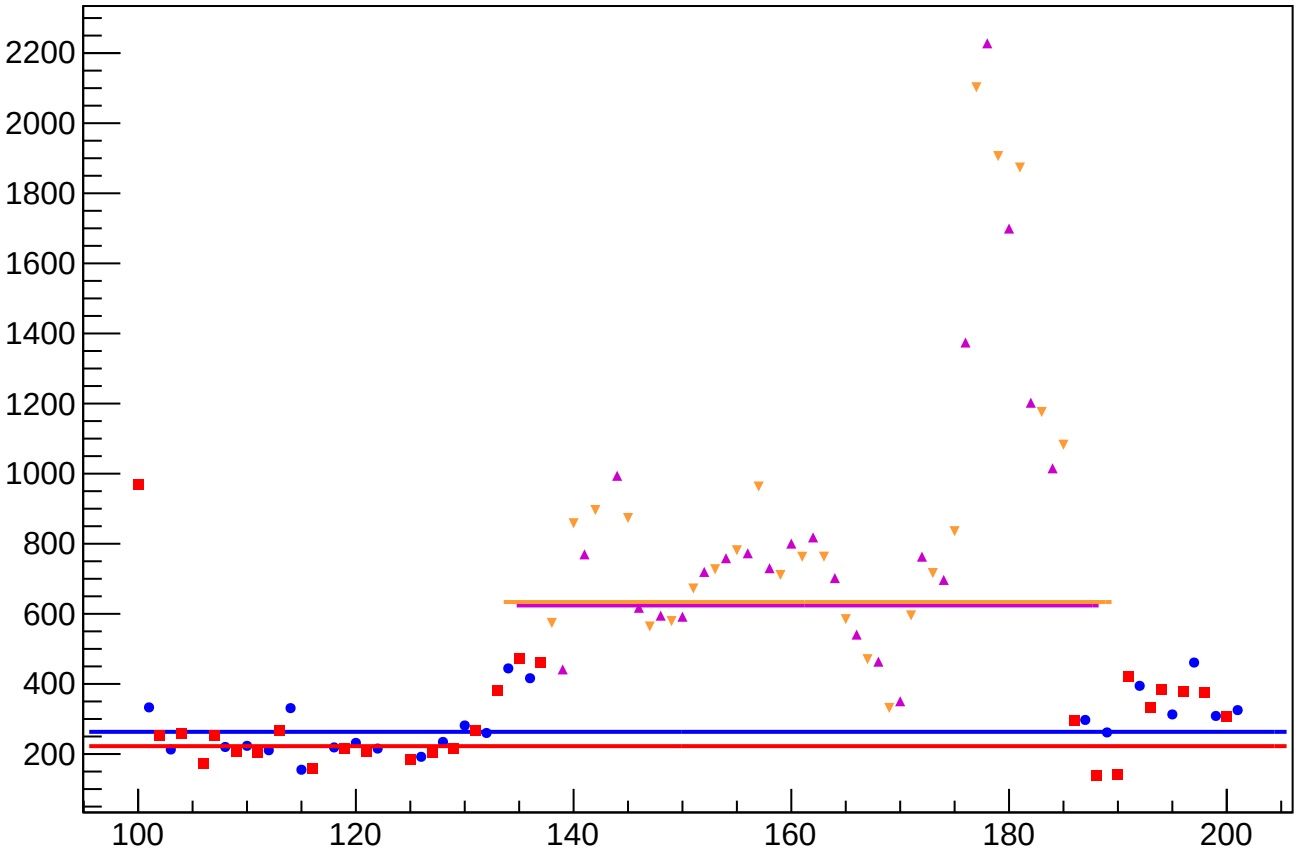
Right In: -0.087+/-0.080 χ²/NDF: 17.2/22
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.067 χ²/NDF: 33.7/26
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.000+/-0.051 χ²/NDF: 52.9/49
In: -0.099+/-0.071 χ²/NDF:43.8/45
Out: 0.040+/-0.062 χ²/NDF:64.6/50
All: -0.020+/-0.047 χ²/NDF: 110.6/96



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: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

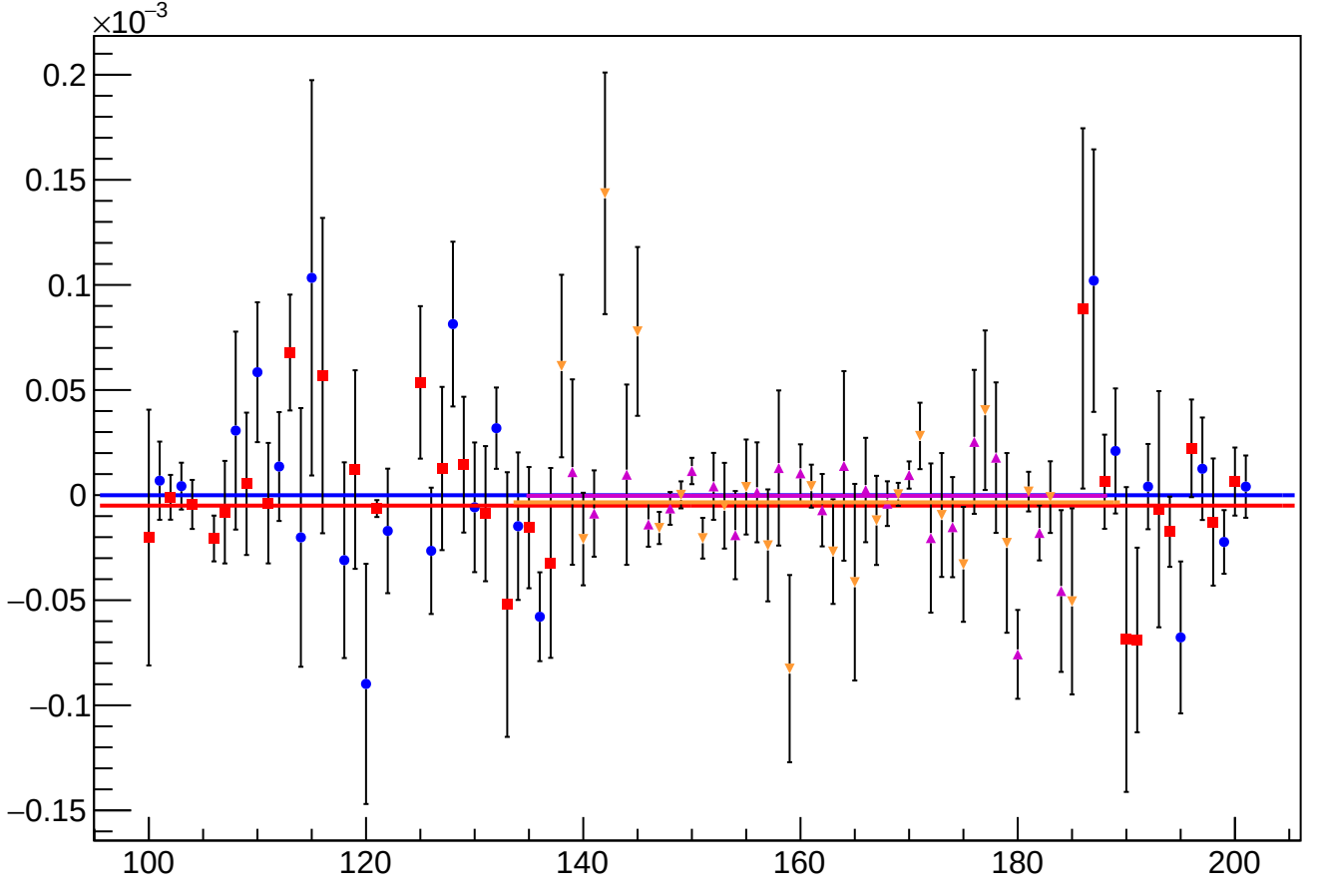
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 239.422+/-0.036 χ^2/NDF: 4859752.1/49

In: 336.511+/-0.050 χ^2/NDF:14405021.1/45

Out: 283.346+/-0.044 χ^2/NDF:19021523.6/50

All: 306.291+/-0.033 χ^2/NDF: 34058871.7/96



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: 21.4/26

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

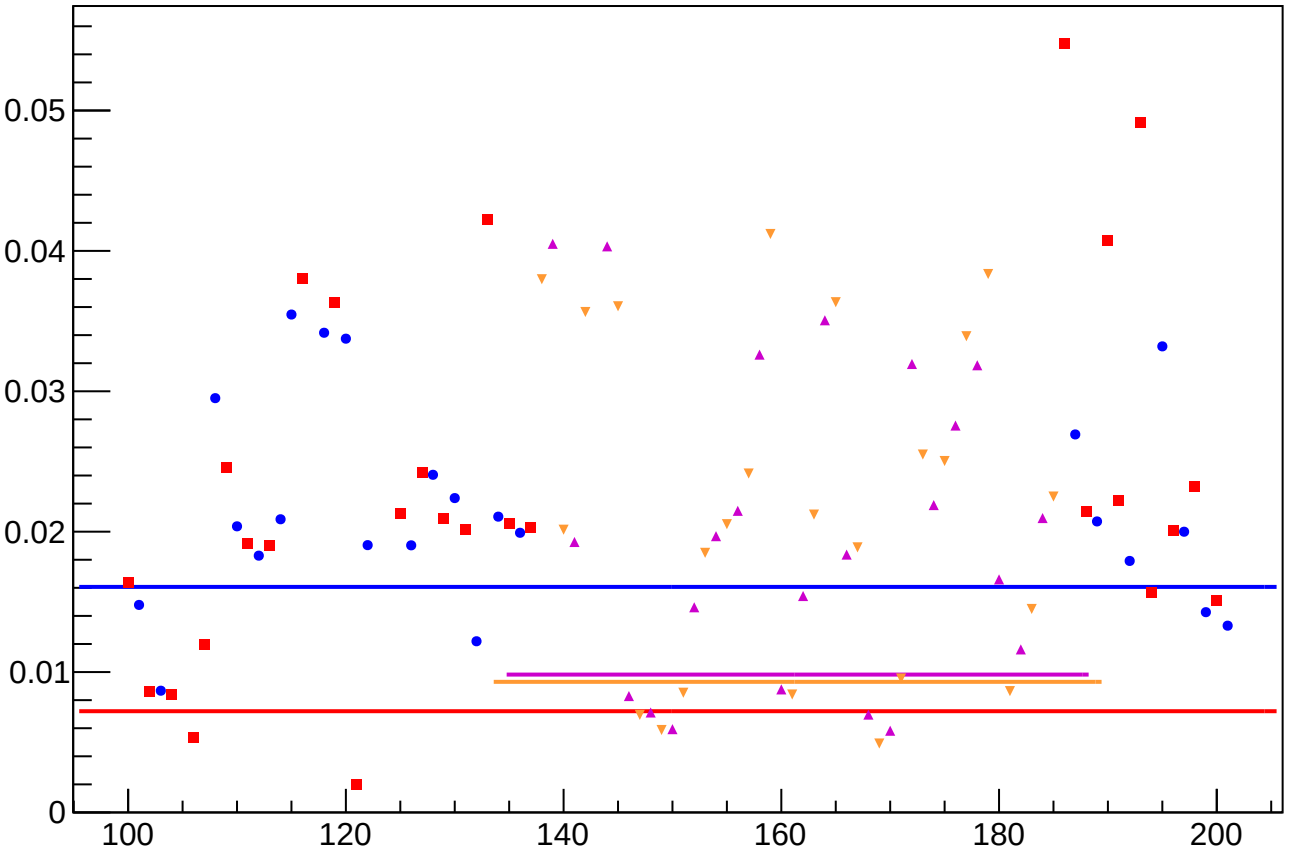
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.5/49

In: -0.000+/-0.000 χ^2/NDF:61.3/45

Out: -0.000+/-0.000 χ^2/NDF:55.8/50

All: -0.000+/-0.000 χ^2/NDF: 118.5/96



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: 13862465.2/26

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

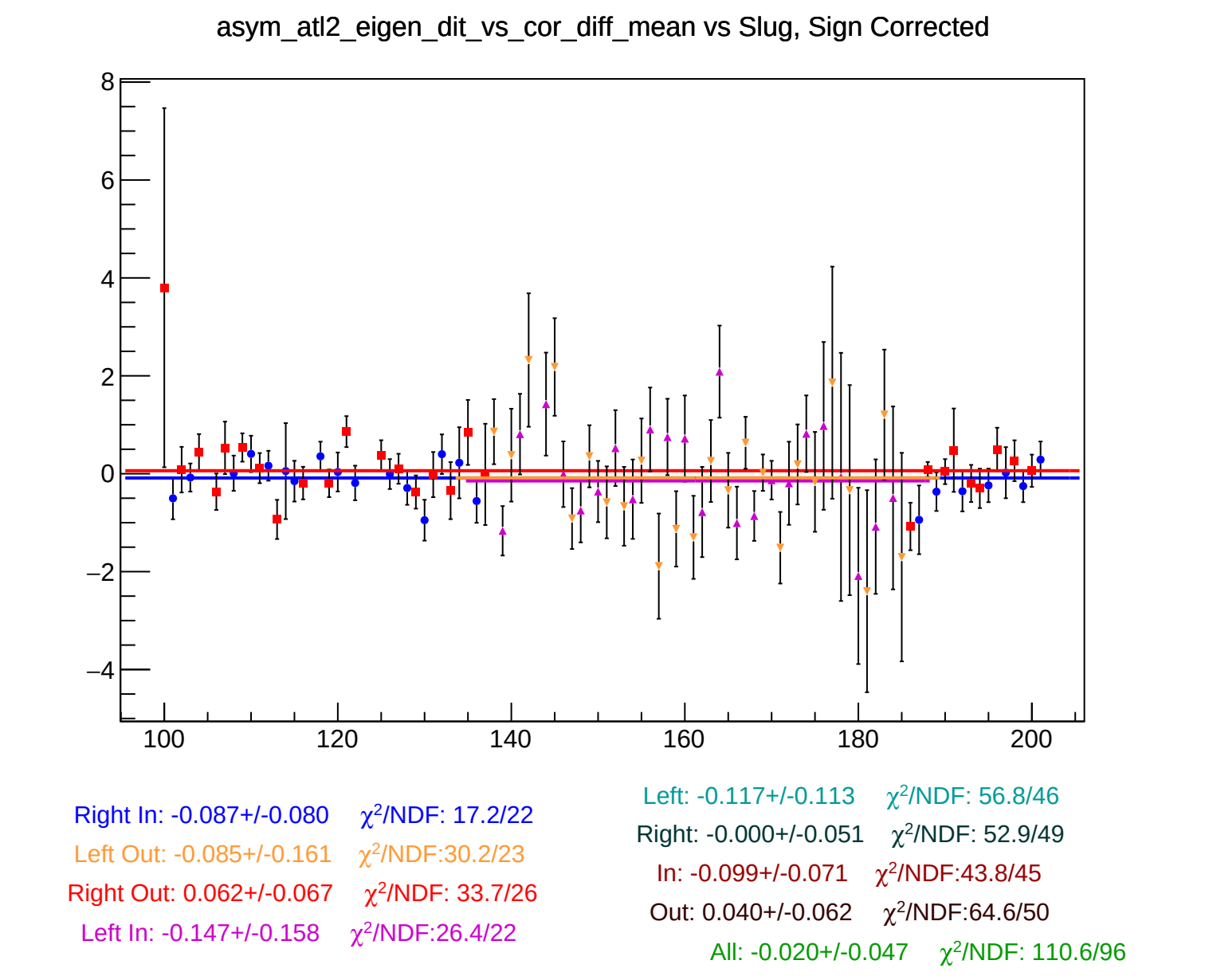
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 21268449.8/49

In: 0.011+/-0.000 χ^2/NDF:15446238.7/45

Out: 0.008+/-0.000 χ^2/NDF:26615244.5/50

All: 0.010+/-0.000 χ^2/NDF: 43833663.3/96


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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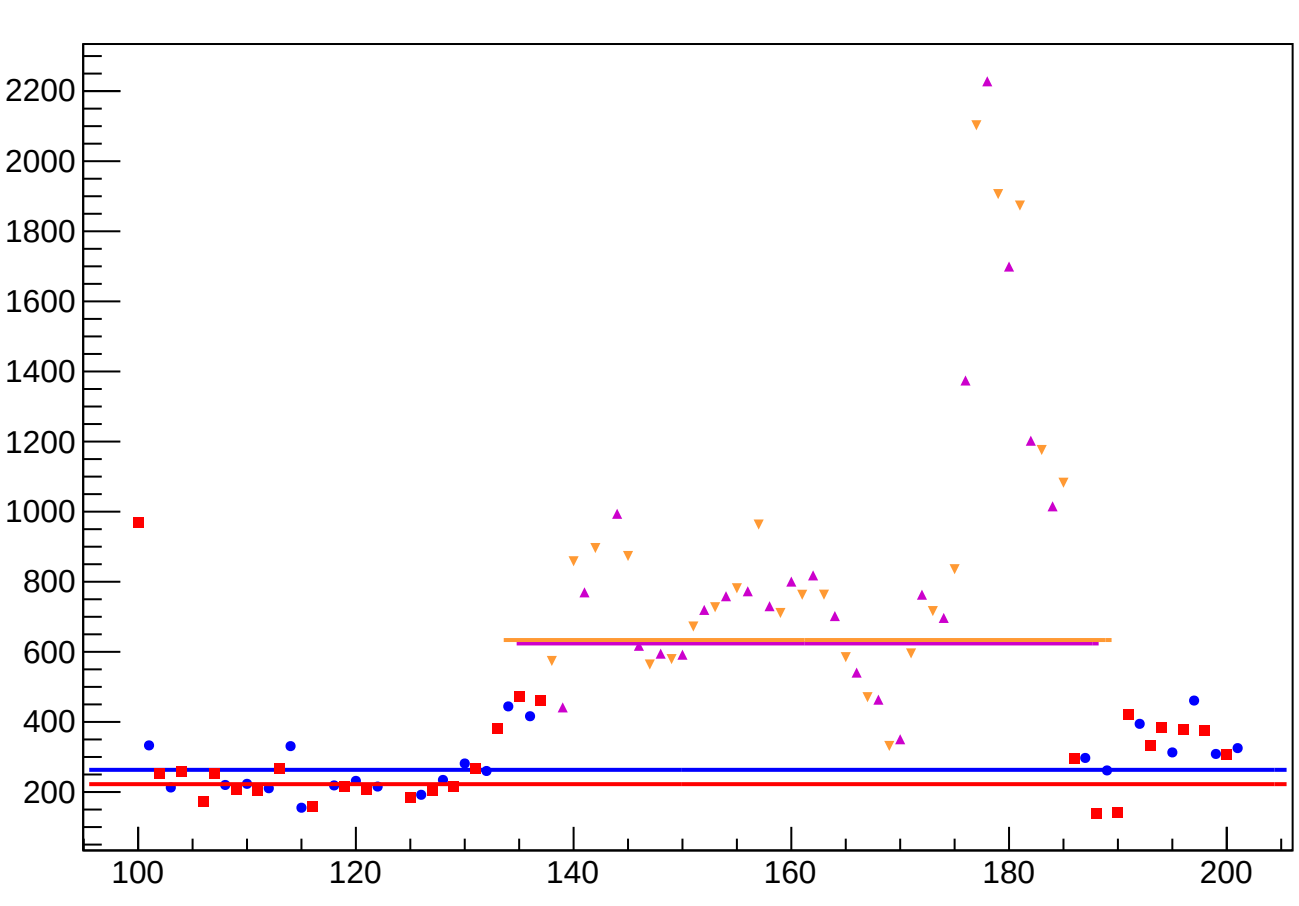
Right In: -0.087+/-0.080 χ²/NDF: 17.2/22
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.067 χ²/NDF: 33.7/26
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.000+/-0.051 χ²/NDF: 52.9/49
In: -0.099+/-0.071 χ²/NDF:43.8/45
Out: 0.040+/-0.062 χ²/NDF:64.6/50
All: -0.020+/-0.047 χ²/NDF: 110.6/96


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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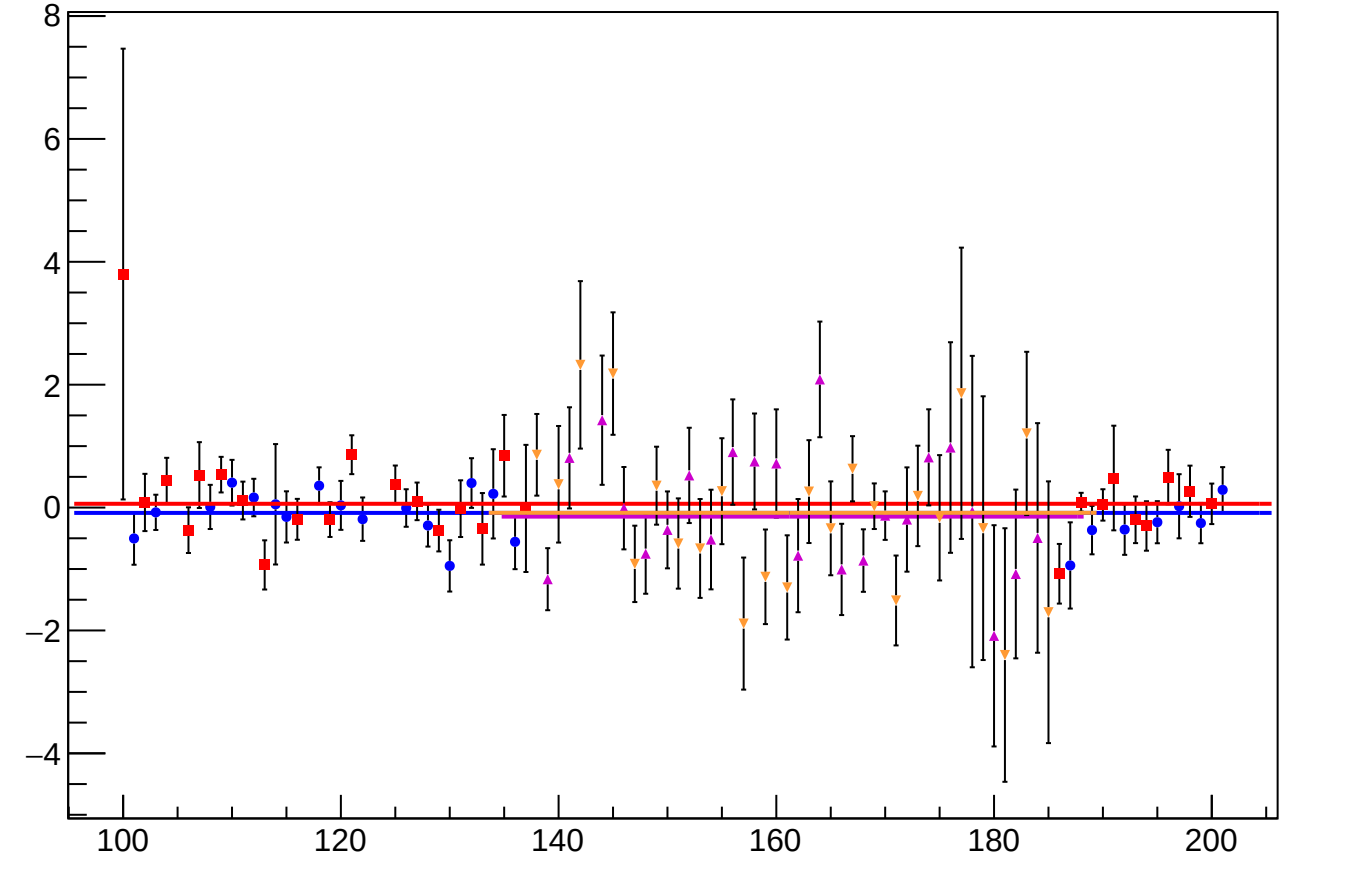
Right In: 263.300+/-0.056 χ²/NDF: 1582341.2/22
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 222.461+/-0.048 χ²/NDF: 2971656.6/26
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 239.421+/-0.036 χ²/NDF: 4859870.5/49
In: 336.512+/-0.050 χ²/NDF:14405072.7/45
Out: 283.343+/-0.044 χ²/NDF:19021929.0/50
All: 306.290+/-0.033 χ²/NDF: 34059424.7/96



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: 0.062+/-0.067 χ^2/NDF: 33.7/26

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

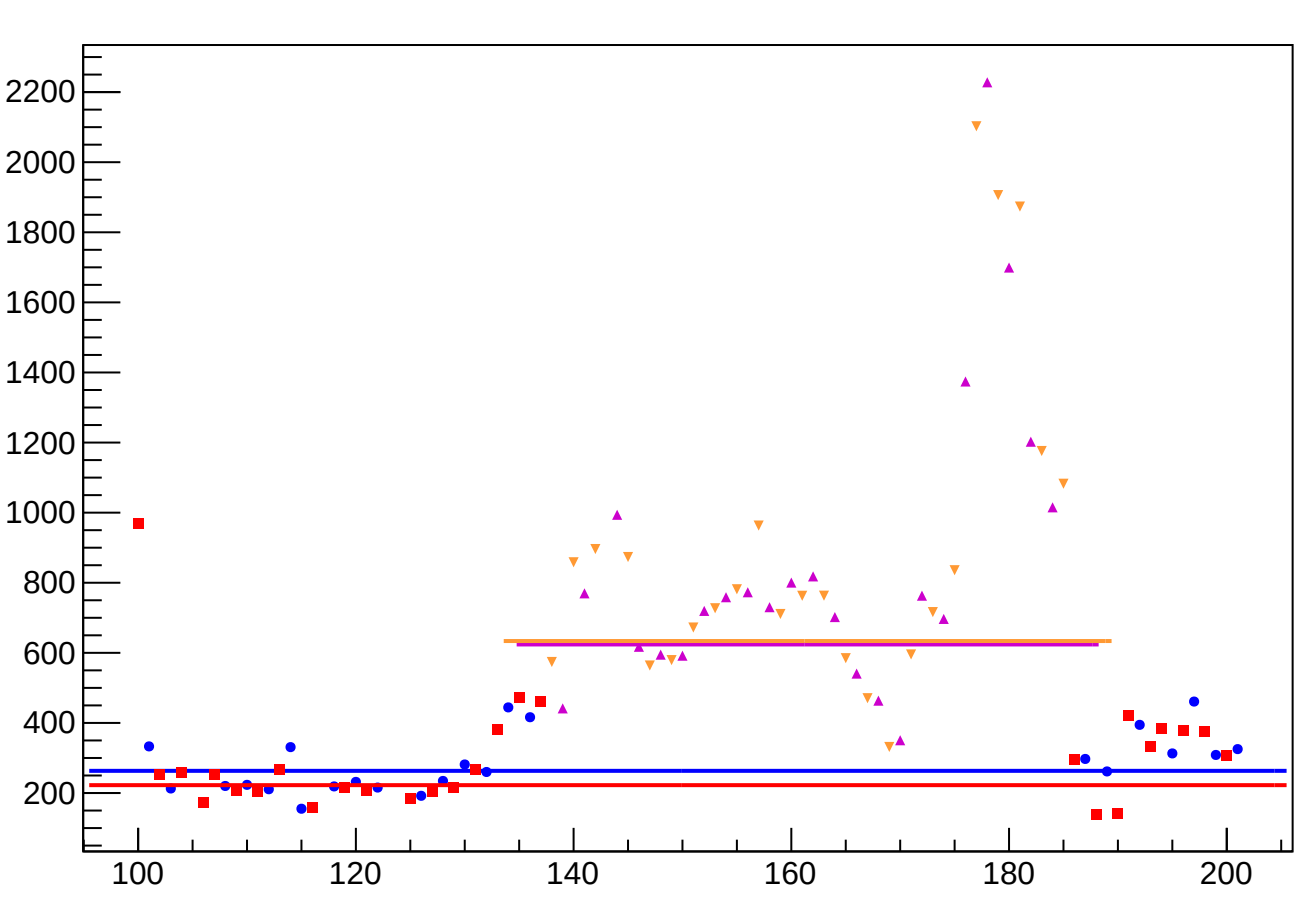
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.000+/-0.051 χ^2/NDF: 52.9/49

In: -0.099+/-0.071 χ^2/NDF:43.8/45

Out: 0.040+/-0.062 χ^2/NDF:64.6/50

All: -0.020+/-0.047 χ^2/NDF: 110.6/96


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
2200
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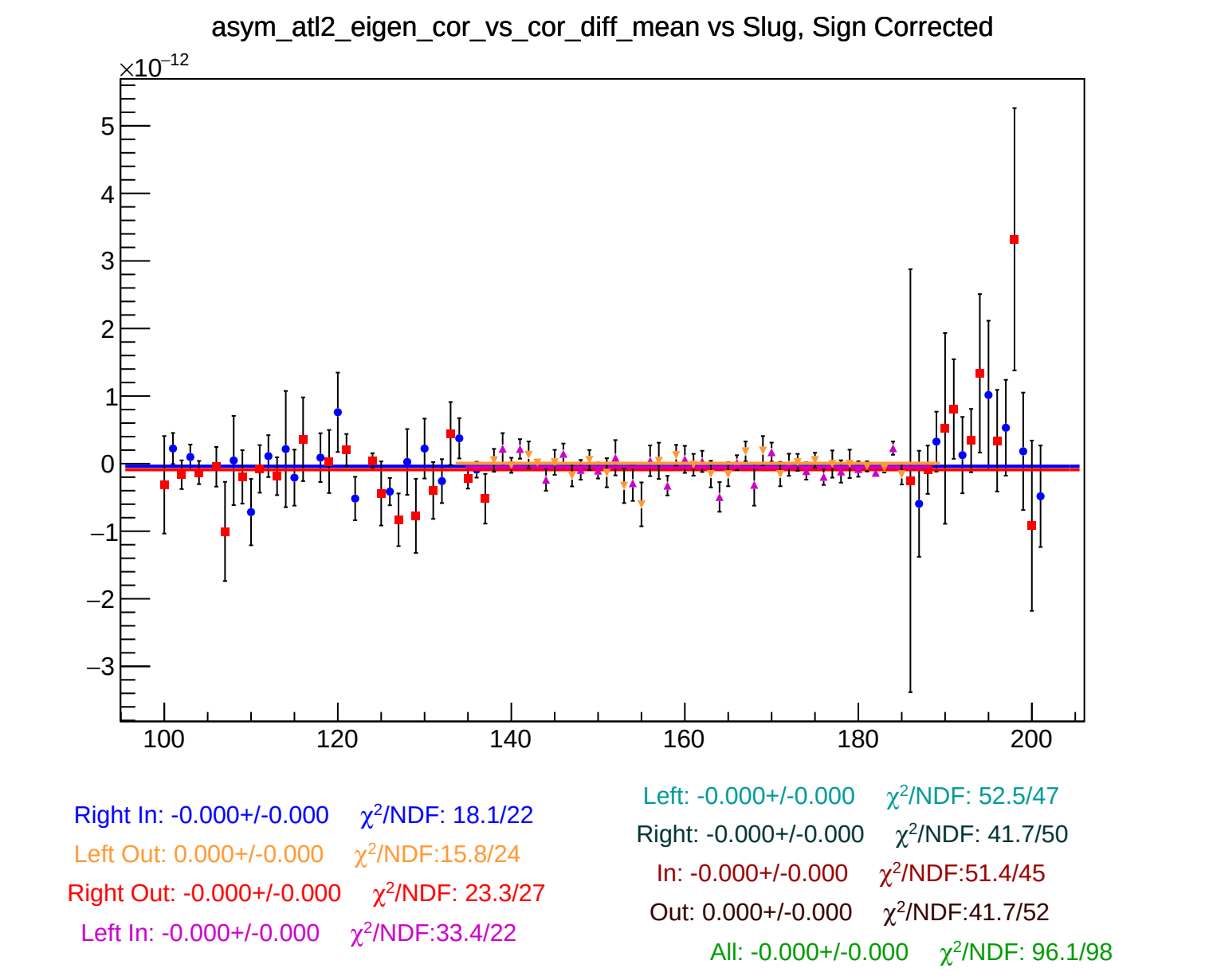
Right In: 263.300+/-0.056 χ²/NDF: 1582341.2/22
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 222.461+/-0.048 χ²/NDF: 2971656.6/26
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 239.421+/-0.036 χ²/NDF: 4859870.5/49
In: 336.512+/-0.050 χ²/NDF:14405072.7/45
Out: 283.343+/-0.044 χ²/NDF:19021929.0/50
All: 306.290+/-0.033 χ²/NDF: 34059424.7/96


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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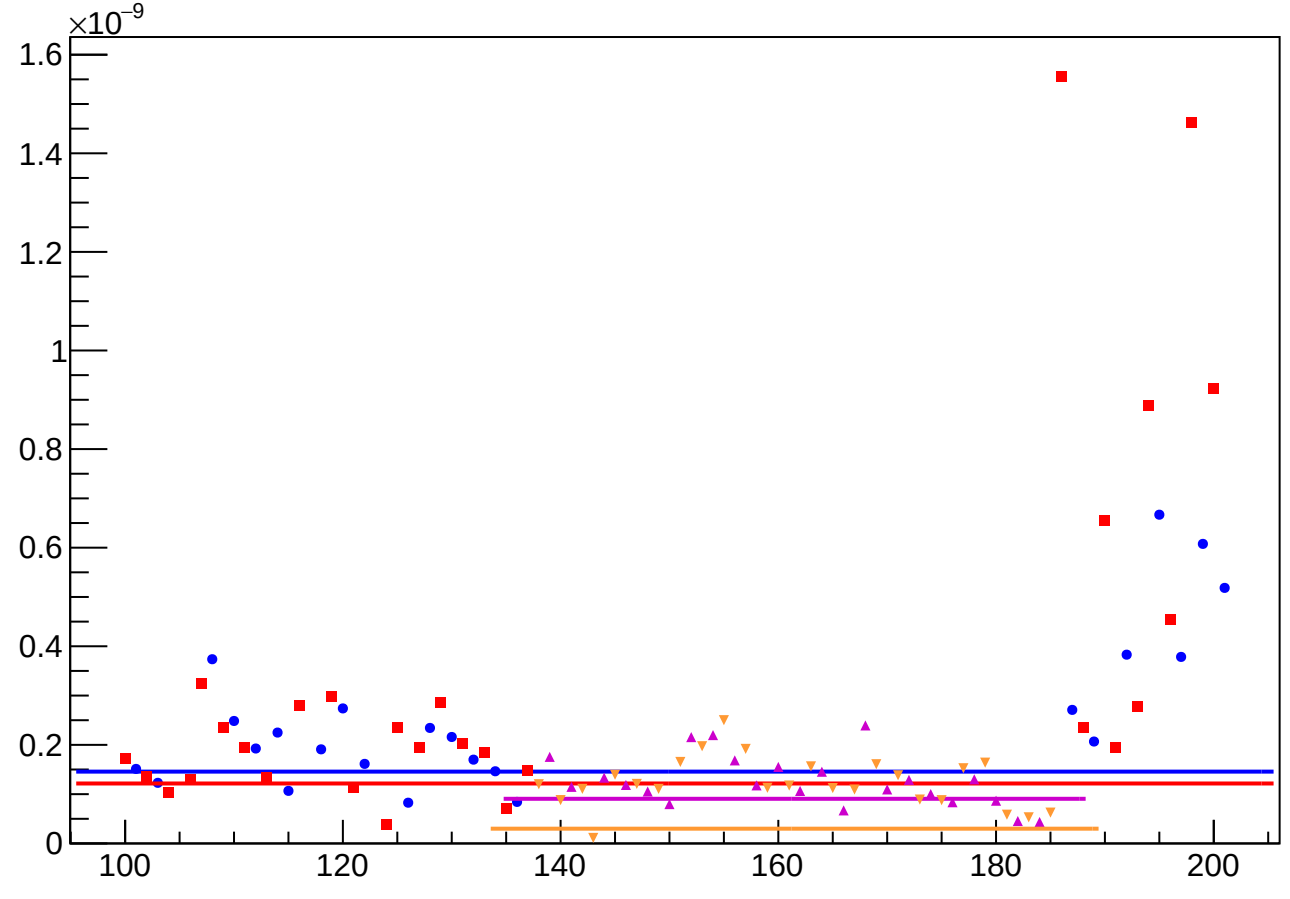
Right In: -0.000+/-0.000 χ²/NDF: 18.1/22
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/27
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 41.7/50
In: -0.000+/-0.000 χ²/NDF:51.4/45
Out: 0.000+/-0.000 χ²/NDF:41.7/52
All: -0.000+/-0.000 χ²/NDF: 96.1/98



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: 6938628.1/27

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

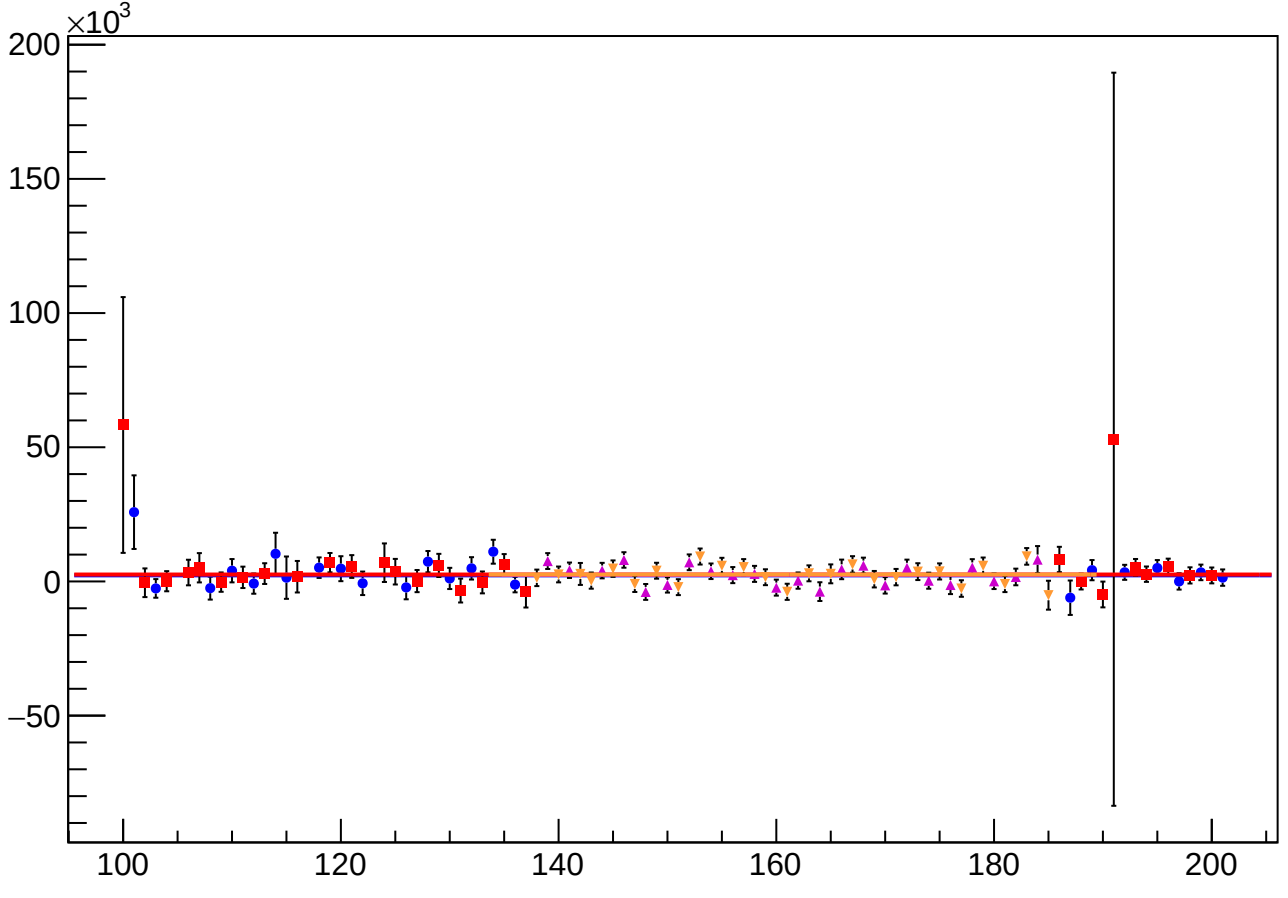
Right: 0.000+/-0.000 χ^2/NDF: 10695920.5/50

In: 0.000+/-0.000 χ^2/NDF:9528295.7/45

Out: 0.000+/-0.000 χ^2/NDF:29058583.0/52

All: 0.000+/-0.000 χ^2/NDF: 48478885.3/98

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: 2573.561+/-769.111 χ^2/NDF: 17.1/27

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

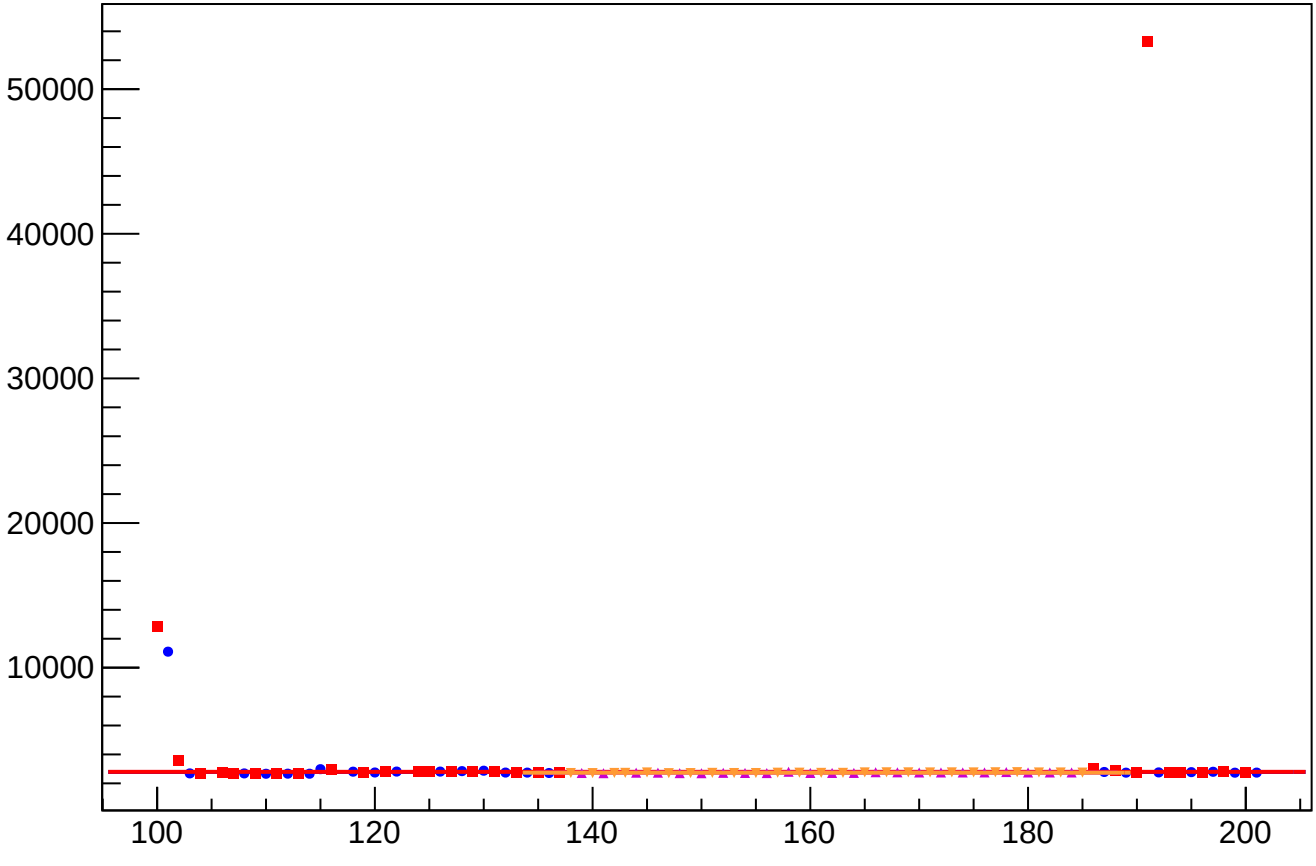
Right: 2426.332+/-556.081 χ^2/NDF: 38.8/50

In: 2352.864+/-500.824 χ^2/NDF:52.9/45

Out: 2563.442+/-483.555 χ^2/NDF:48.7/52

All: 2461.846+/-347.870 χ^2/NDF: 101.8/98

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: 2795.620+/-0.544 χ^2/NDF: 478875.4/27

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

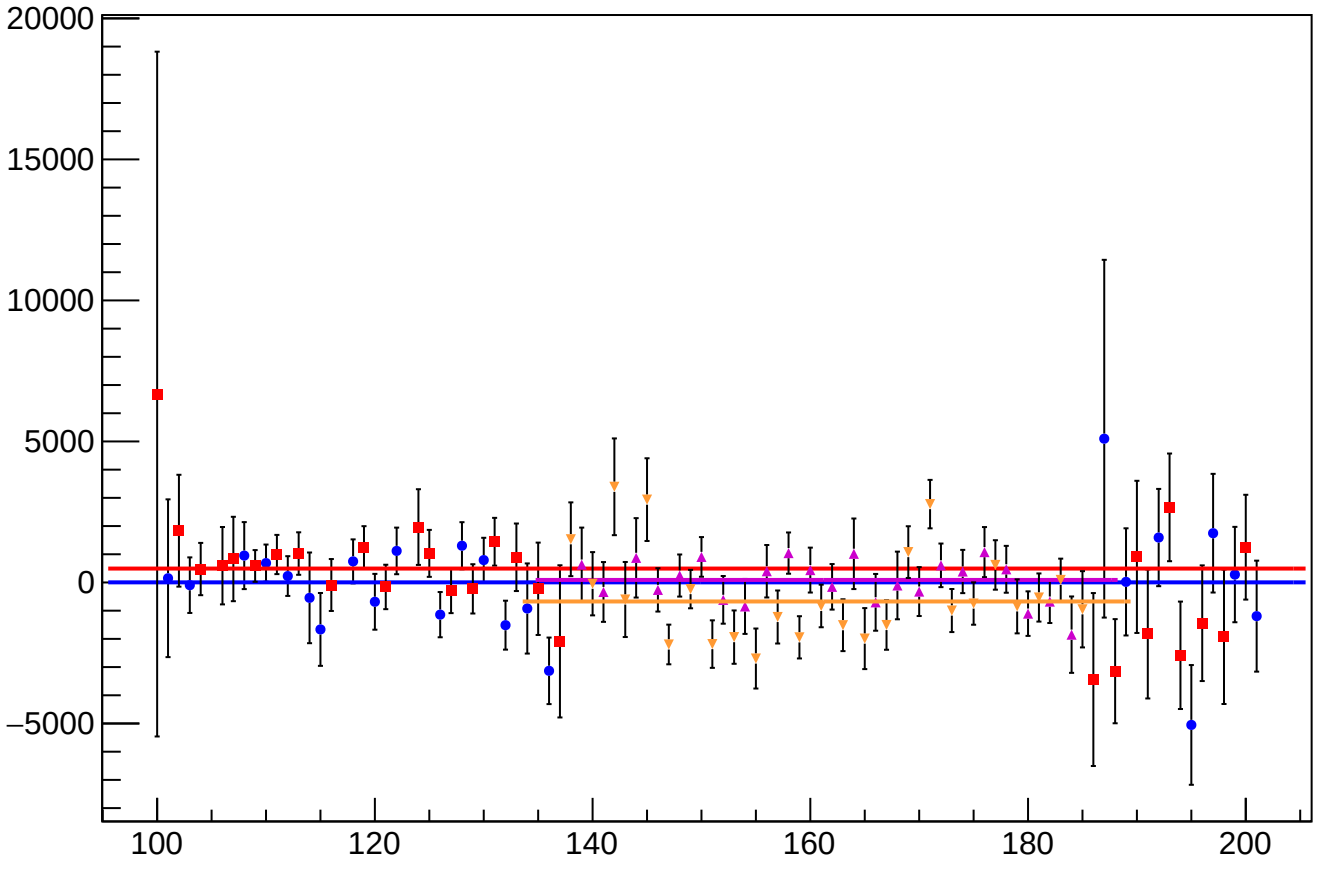
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.141+/-0.393 χ^2/NDF: 1227412.8/50

In: 2757.814+/-0.354 χ^2/NDF:755825.4/45

Out: 2760.485+/-0.342 χ^2/NDF:488094.9/52

All: 2759.197+/-0.246 χ^2/NDF: 1243949.7/98



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: 492.906+/-206.610 χ^2/NDF: 22.2/27

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

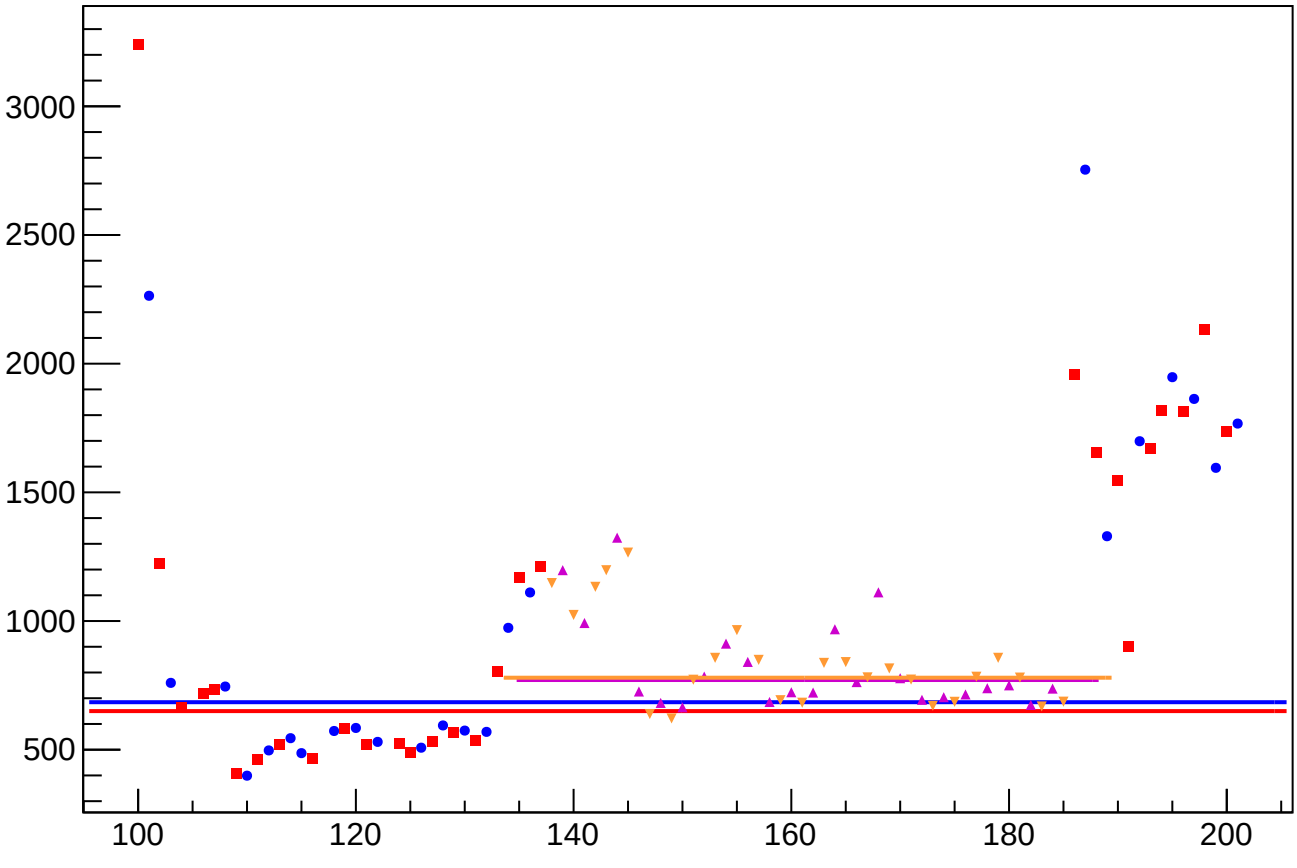
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 267.501+/-151.683 χ^2/NDF: 55.8/50

In: 55.061+/-141.792 χ^2/NDF:45.9/45

Out: -166.408+/-136.244 χ^2/NDF:98.6/52

All: -60.091+/-98.242 χ^2/NDF: 145.7/98



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: 649.999+/-0.146 χ^2/NDF: 6137167.3/27

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

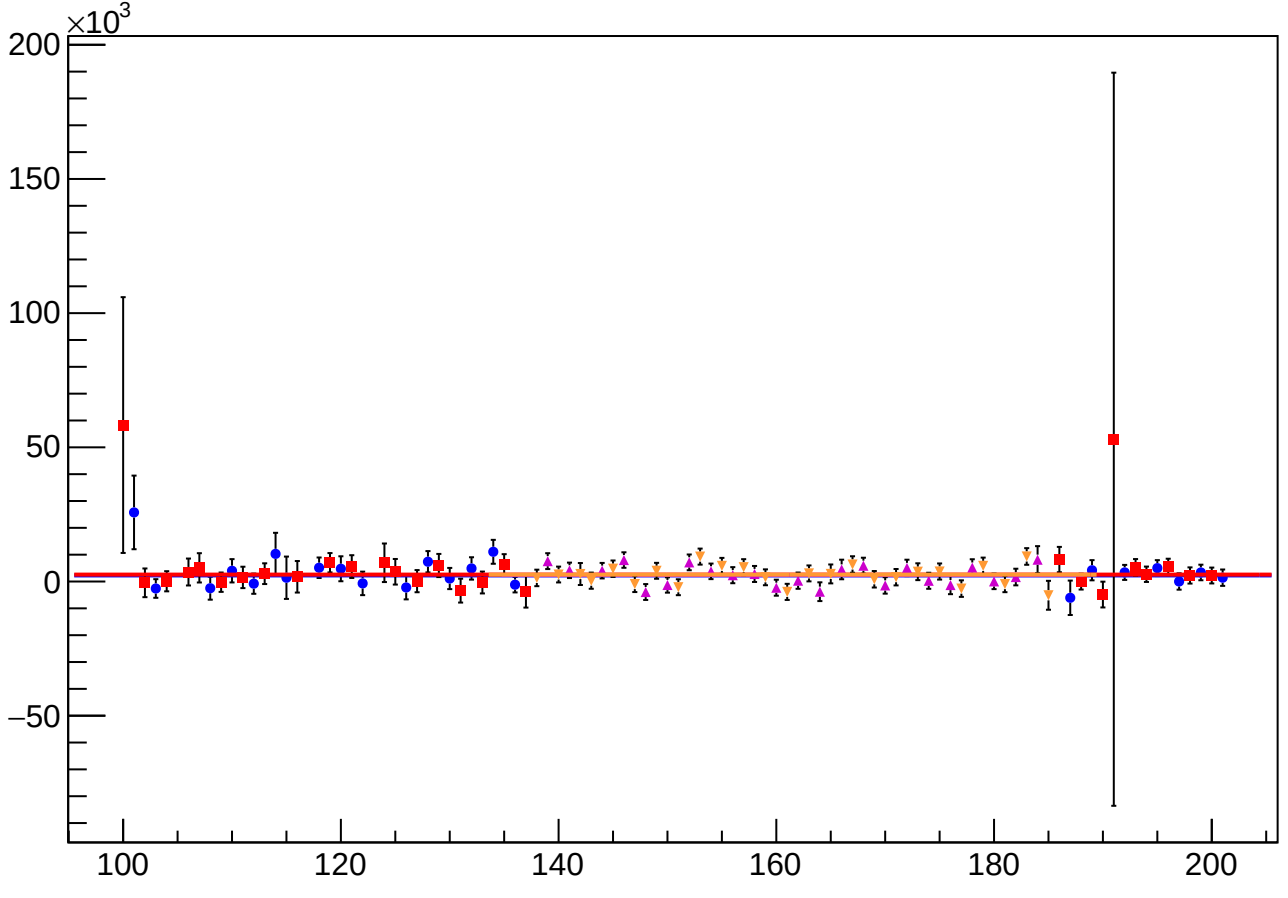
Right: 665.944+/-0.107 χ^2/NDF: 11708077.5/50

In: 736.063+/-0.100 χ^2/NDF:6799292.0/45

Out: 723.309+/-0.096 χ^2/NDF:7826446.3/52

All: 729.432+/-0.069 χ^2/NDF: 14634152.1/98

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: 2577.220+/-770.087 χ^2/NDF: 17.1/27

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

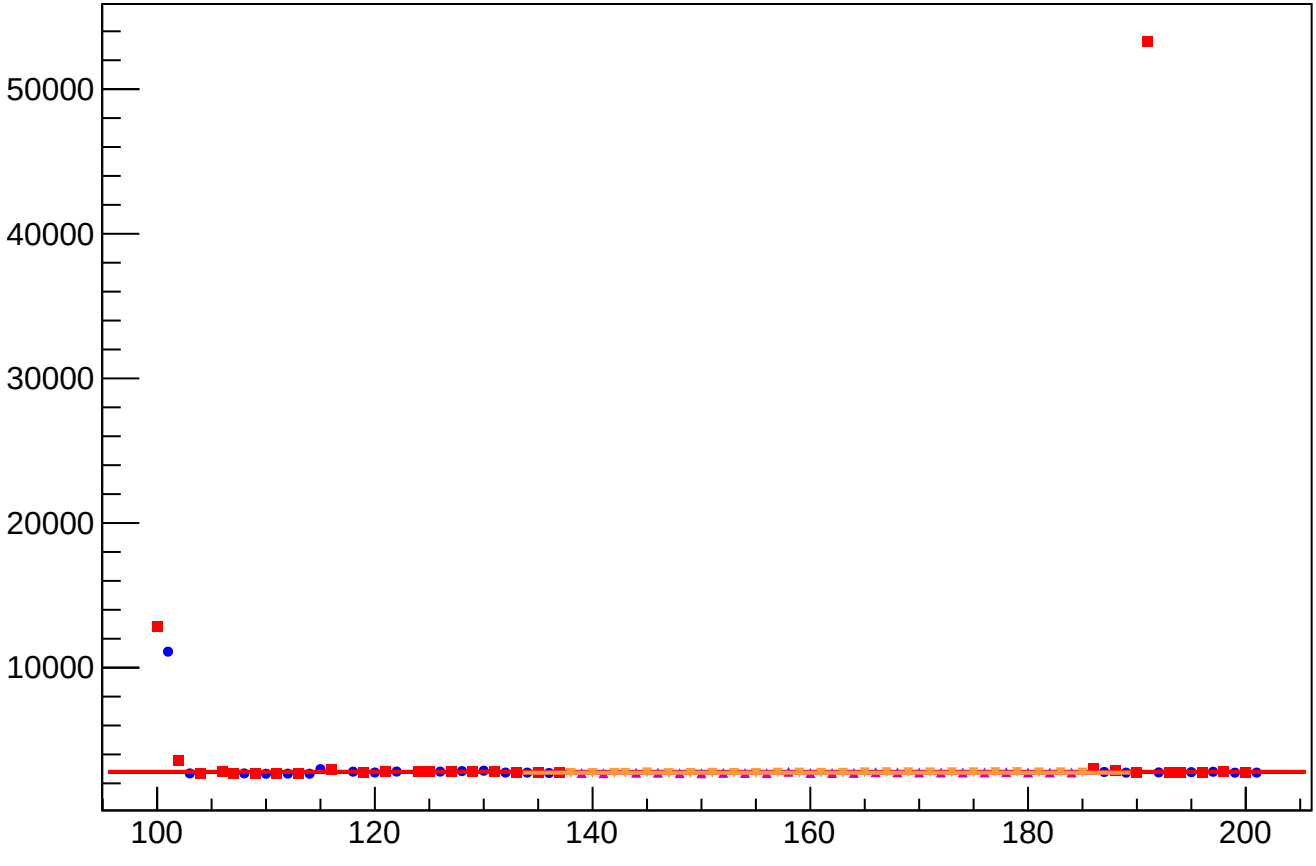
Right: 2427.872+/-556.450 χ^2/NDF: 38.8/50

In: 2352.809+/-500.824 χ^2/NDF:52.9/45

Out: 2564.851+/-483.797 χ^2/NDF:48.7/52

All: 2462.496+/-347.960 χ^2/NDF: 101.8/98

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: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

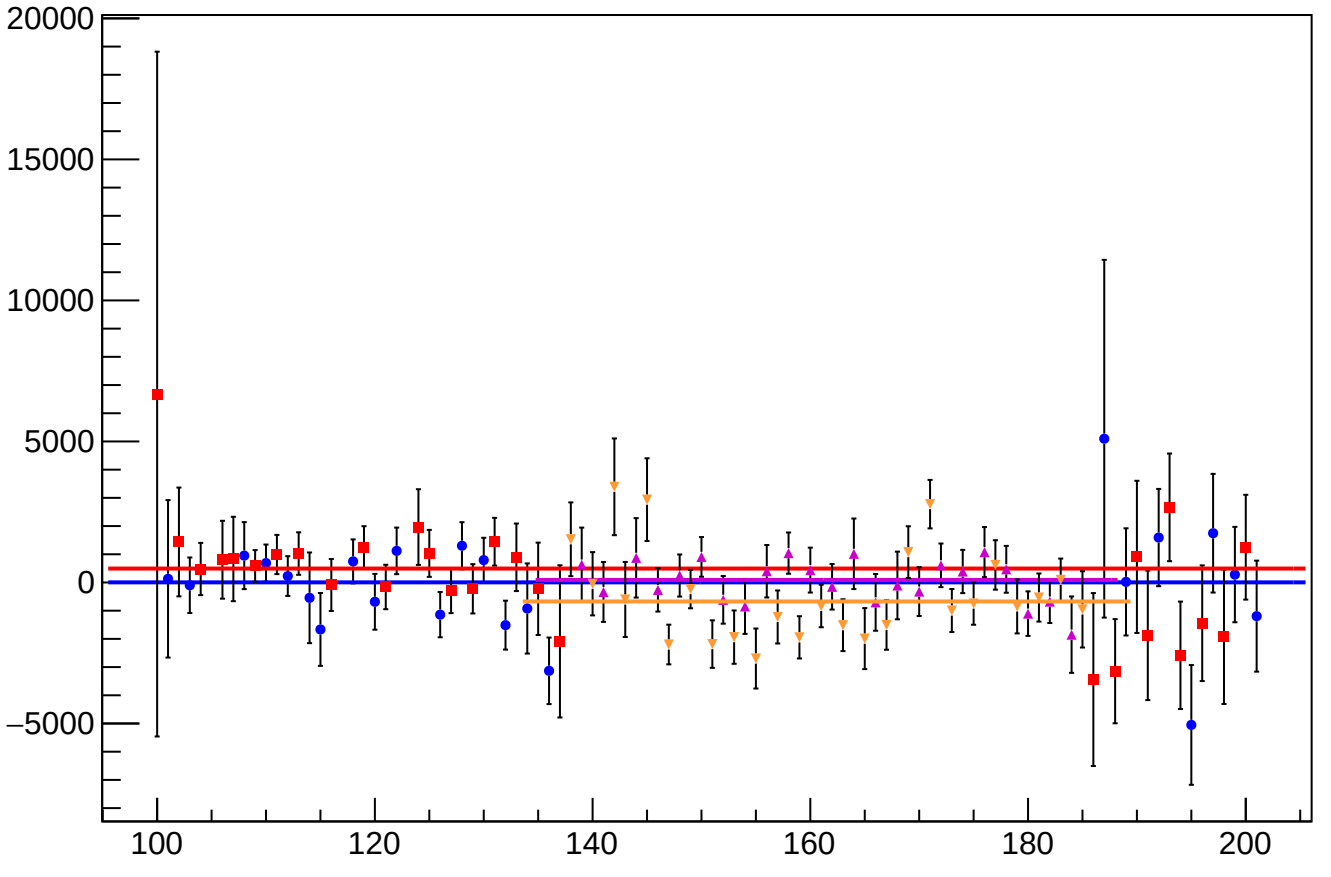
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2792.678+/-0.393 χ^2/NDF: 1227149.5/50

In: 2757.814+/-0.354 χ^2/NDF:755824.5/45

Out: 2761.617+/-0.342 χ^2/NDF:488437.5/52

All: 2759.781+/-0.246 χ^2/NDF: 1244321.6/98



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: 493.733+/-206.576 χ^2/NDF: 22.1/27

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

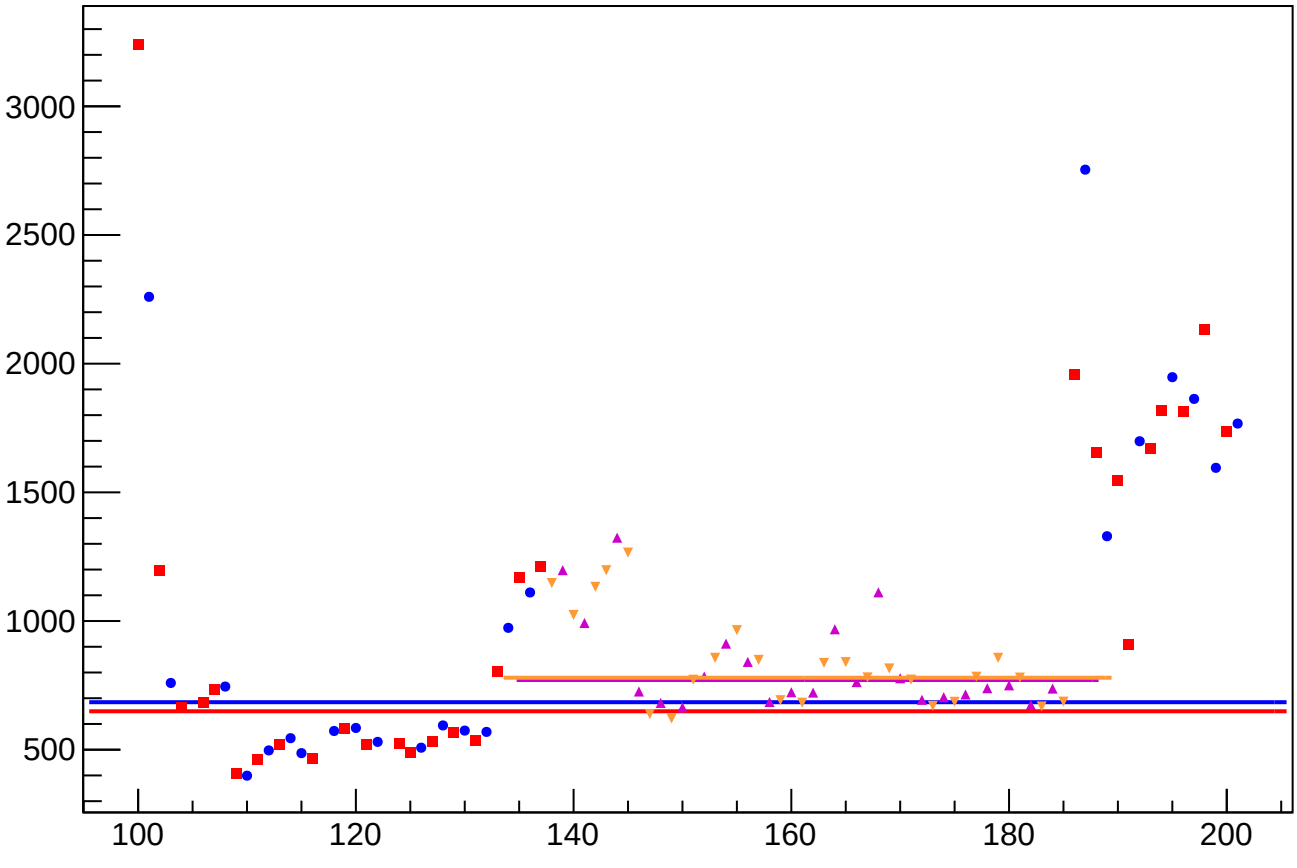
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 267.963+/-151.666 χ^2/NDF: 55.7/50

In: 55.122+/-141.790 χ^2/NDF:45.9/45

Out: -165.907+/-136.234 χ^2/NDF:98.5/52

All: -59.808+/-98.237 χ^2/NDF: 145.6/98



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: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

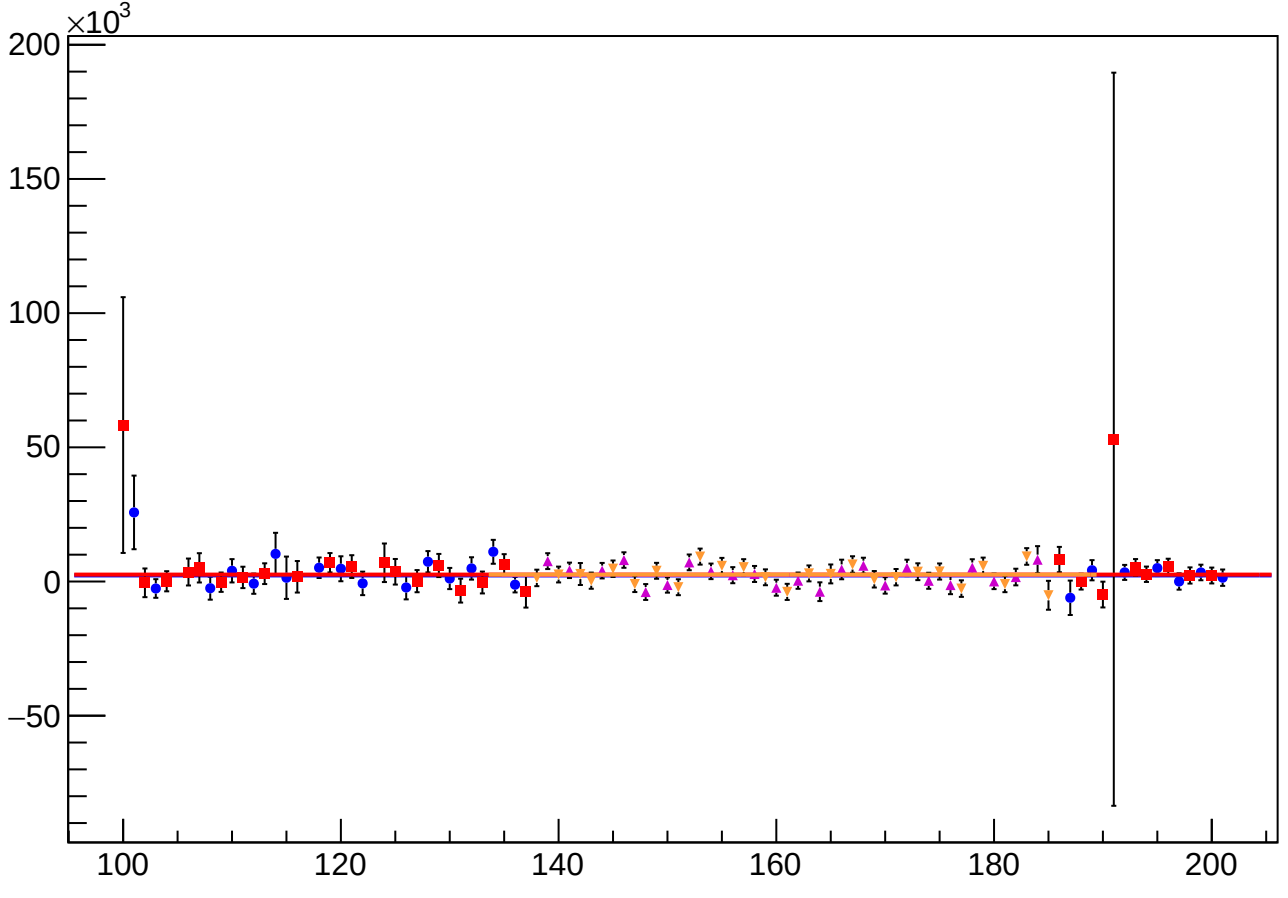
Right: 665.570+/-0.107 χ^2/NDF: 11700431.2/50

In: 736.060+/-0.100 χ^2/NDF:6798364.4/45

Out: 723.002+/-0.096 χ^2/NDF:7823501.6/52

All: 729.270+/-0.069 χ^2/NDF: 14630686.1/98

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: 2577.220+/-770.087 χ^2/NDF: 17.1/27

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

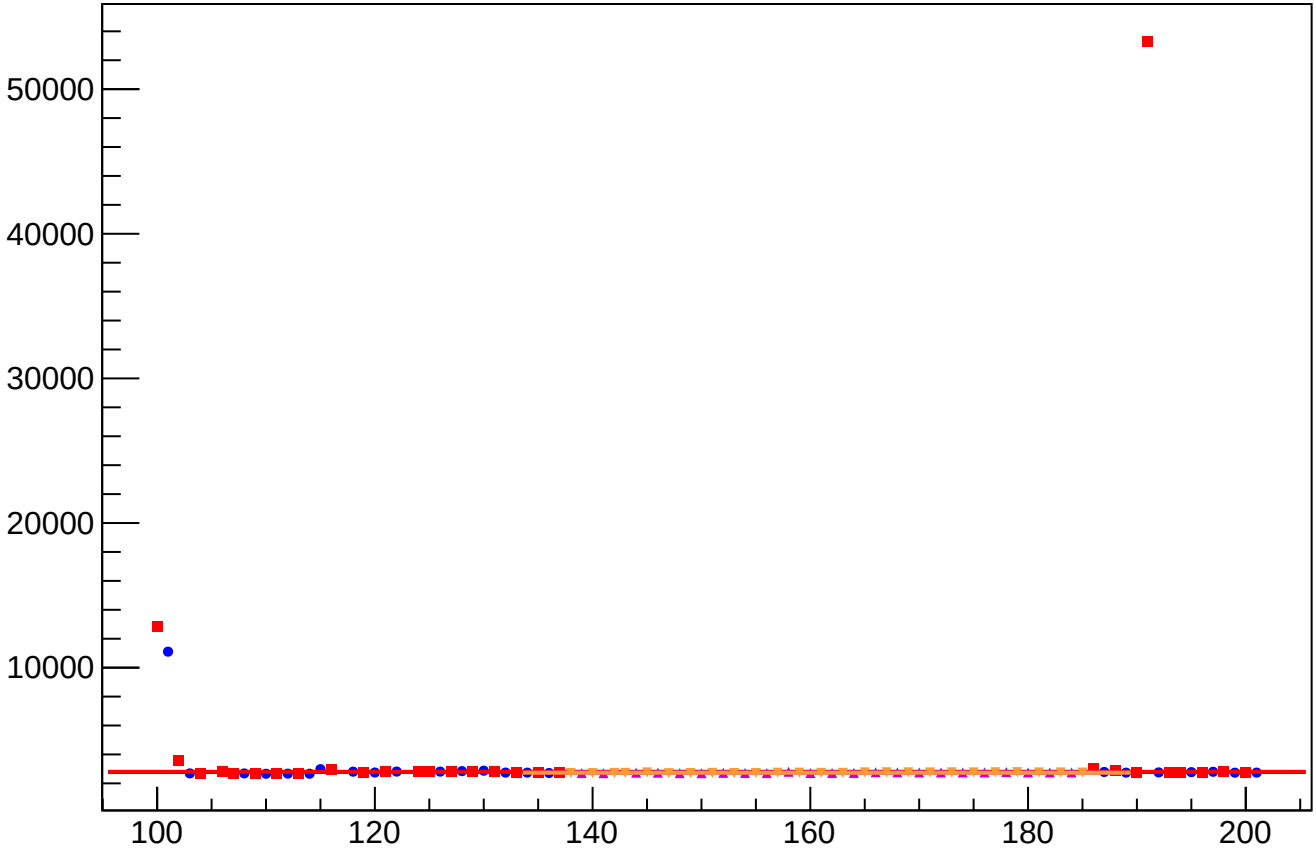
Right: 2427.872+/-556.450 χ^2/NDF: 38.8/50

In: 2352.809+/-500.824 χ^2/NDF:52.9/45

Out: 2564.851+/-483.797 χ^2/NDF:48.7/52

All: 2462.496+/-347.960 χ^2/NDF: 101.8/98

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: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

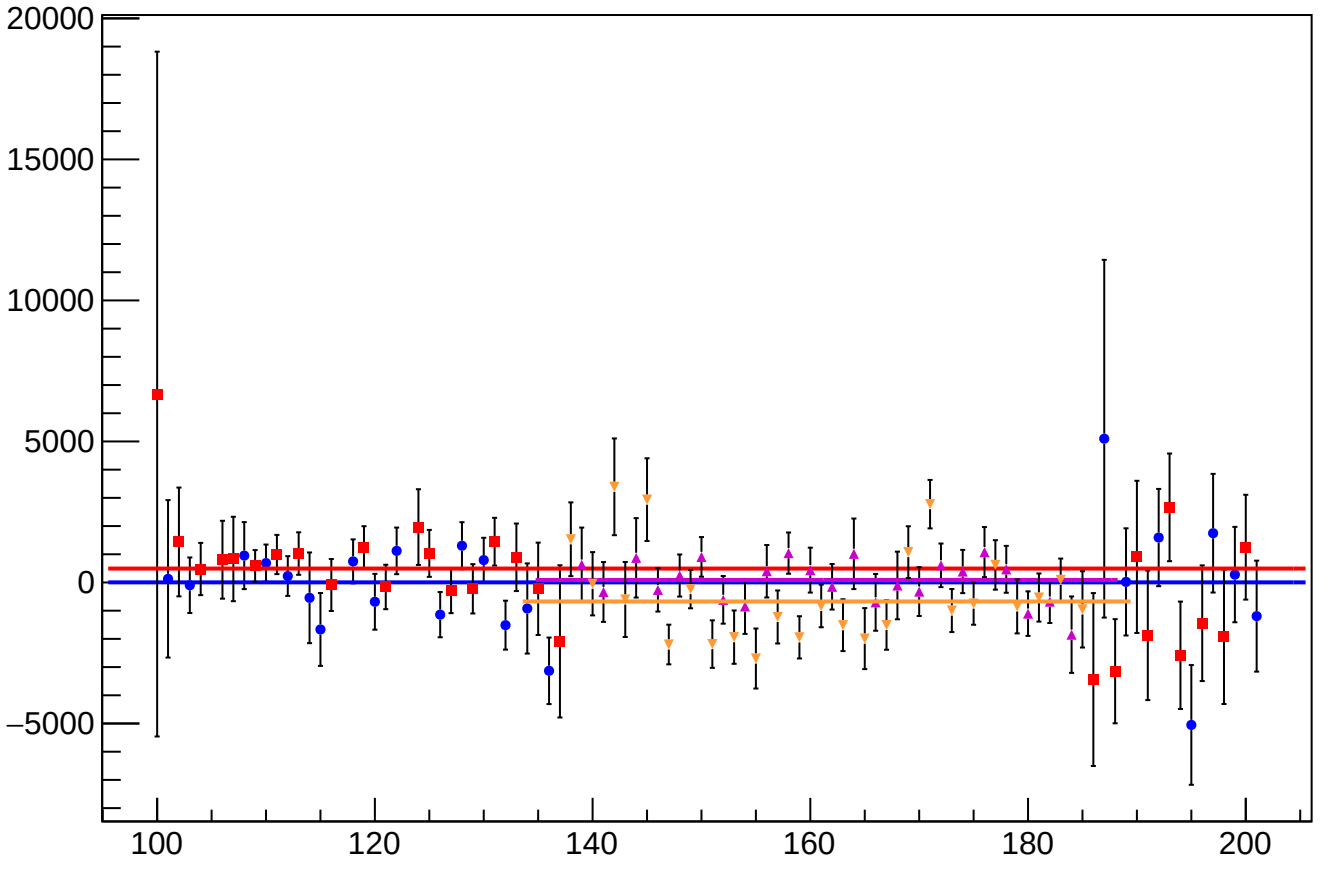
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2792.678+/-0.393 χ^2/NDF: 1227149.5/50

In: 2757.814+/-0.354 χ^2/NDF:755824.5/45

Out: 2761.617+/-0.342 χ^2/NDF:488437.5/52

All: 2759.781+/-0.246 χ^2/NDF: 1244321.6/98



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: 493.733+/-206.576 χ^2/NDF: 22.1/27

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

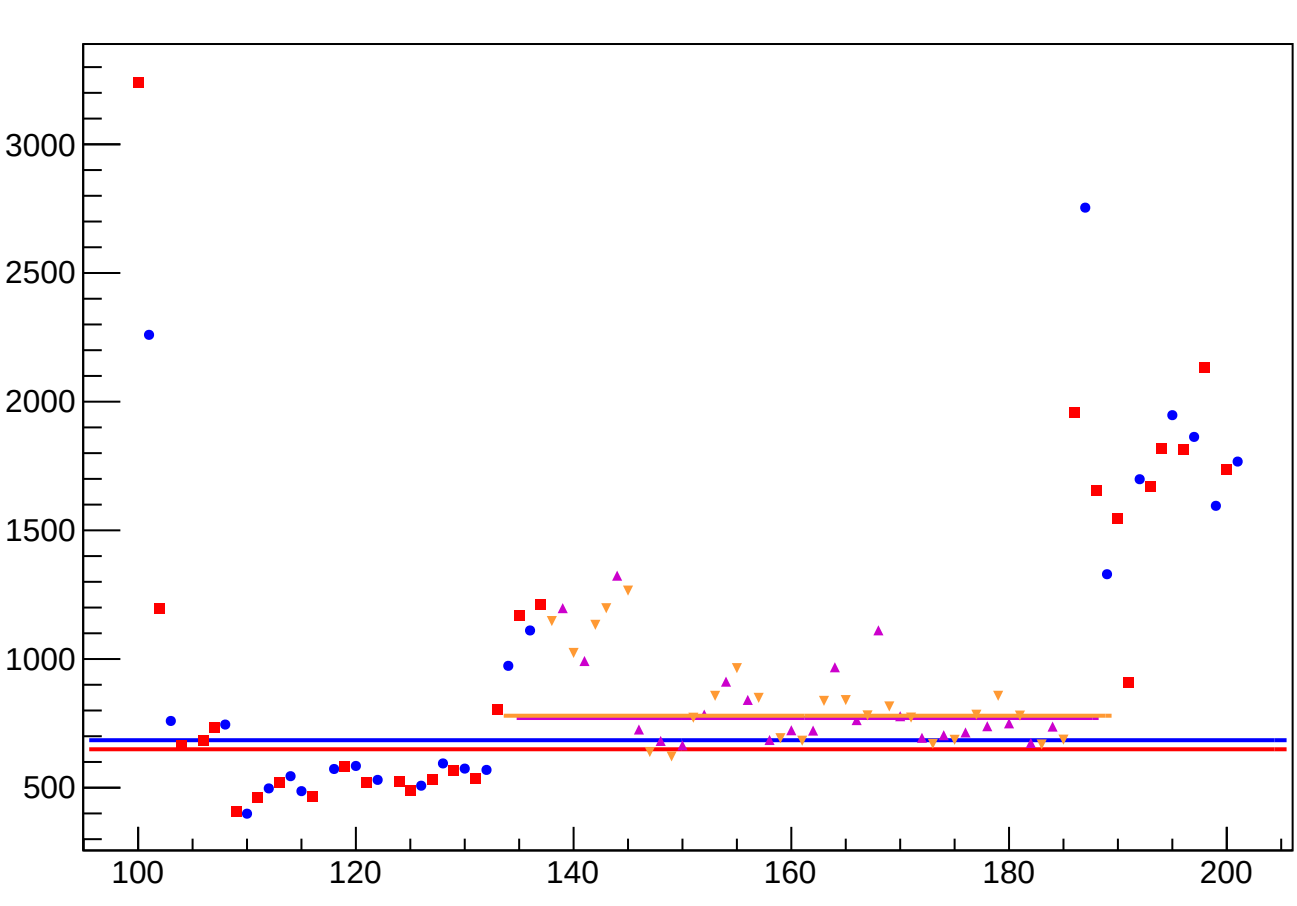
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 267.963+/-151.666 χ^2/NDF: 55.7/50

In: 55.122+/-141.790 χ^2/NDF:45.9/45

Out: -165.907+/-136.234 χ^2/NDF:98.5/52

All: -59.808+/-98.237 χ^2/NDF: 145.6/98



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: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

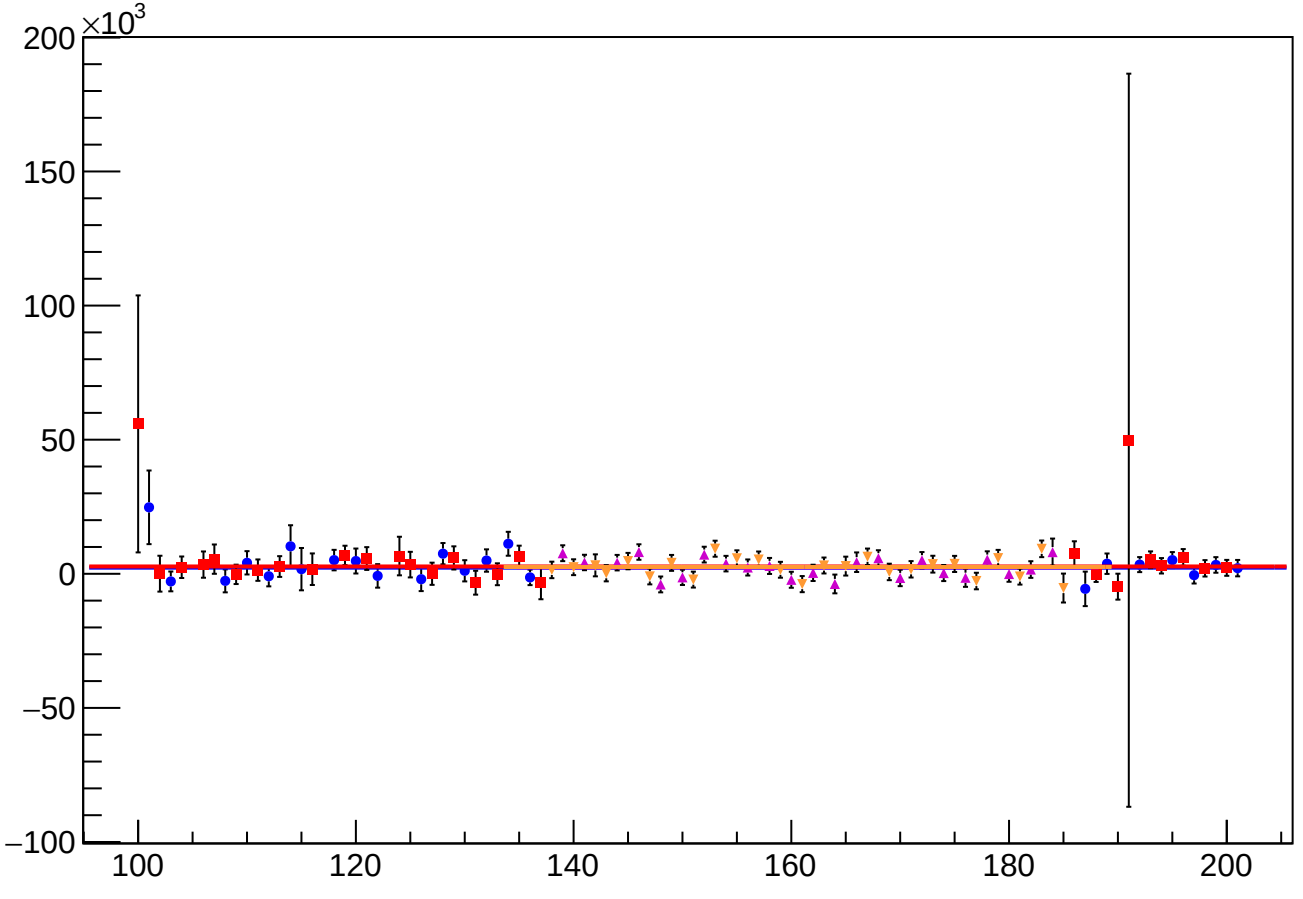
Right: 665.570+/-0.107 χ^2/NDF: 11700431.2/50

In: 736.060+/-0.100 χ^2/NDF:6798364.4/45

Out: 723.002+/-0.096 χ^2/NDF:7823501.6/52

All: 729.270+/-0.069 χ^2/NDF: 14630686.1/98

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: 2734.903+/-777.010 χ^2/NDF: 16.3/27

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

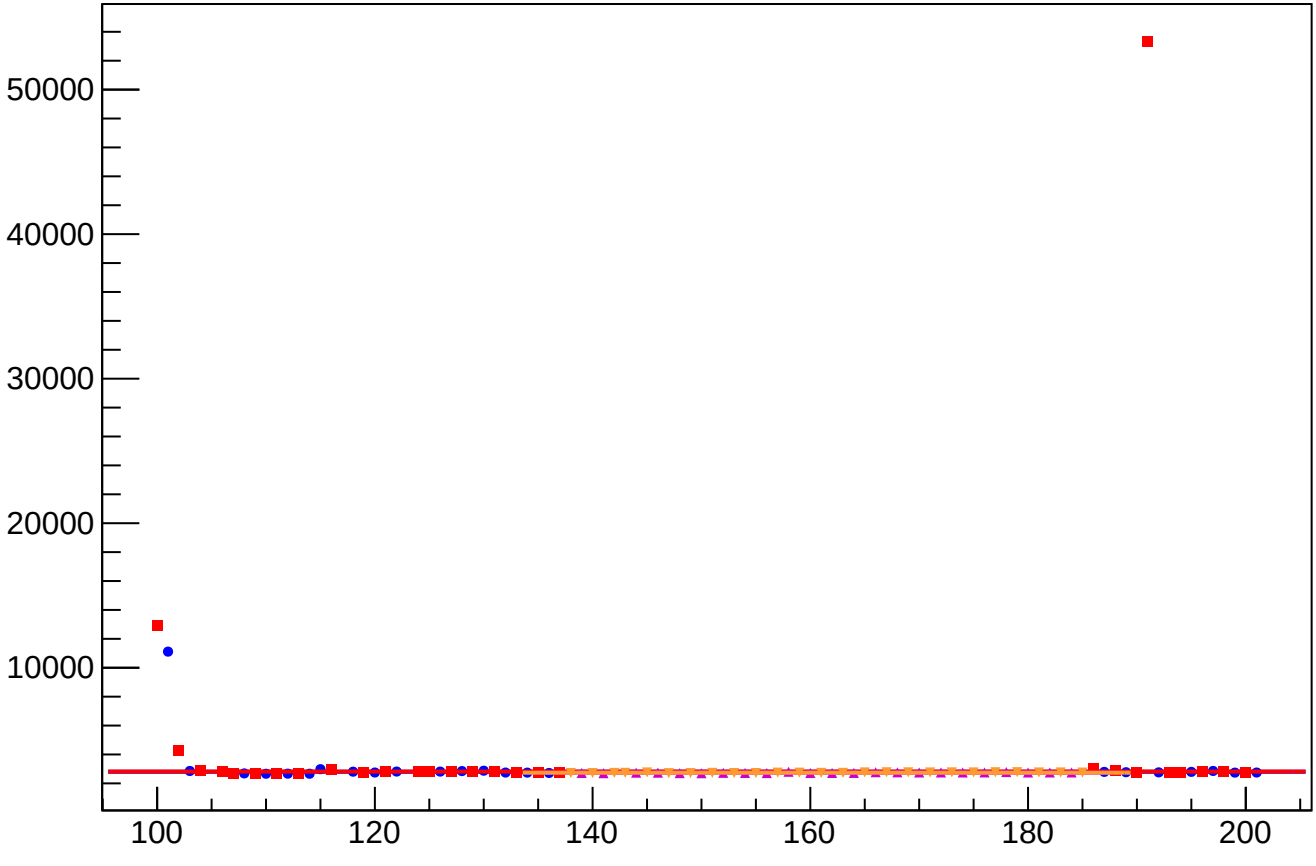
Right: 2521.676+/-560.835 χ^2/NDF: 38.0/50

In: 2361.872+/-502.283 χ^2/NDF:53.4/45

Out: 2619.226+/-485.693 χ^2/NDF:48.2/52

All: 2494.869+/-349.155 χ^2/NDF: 101.7/98

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: 2816.726+/-0.549 χ^2/NDF: 531778.5/27

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

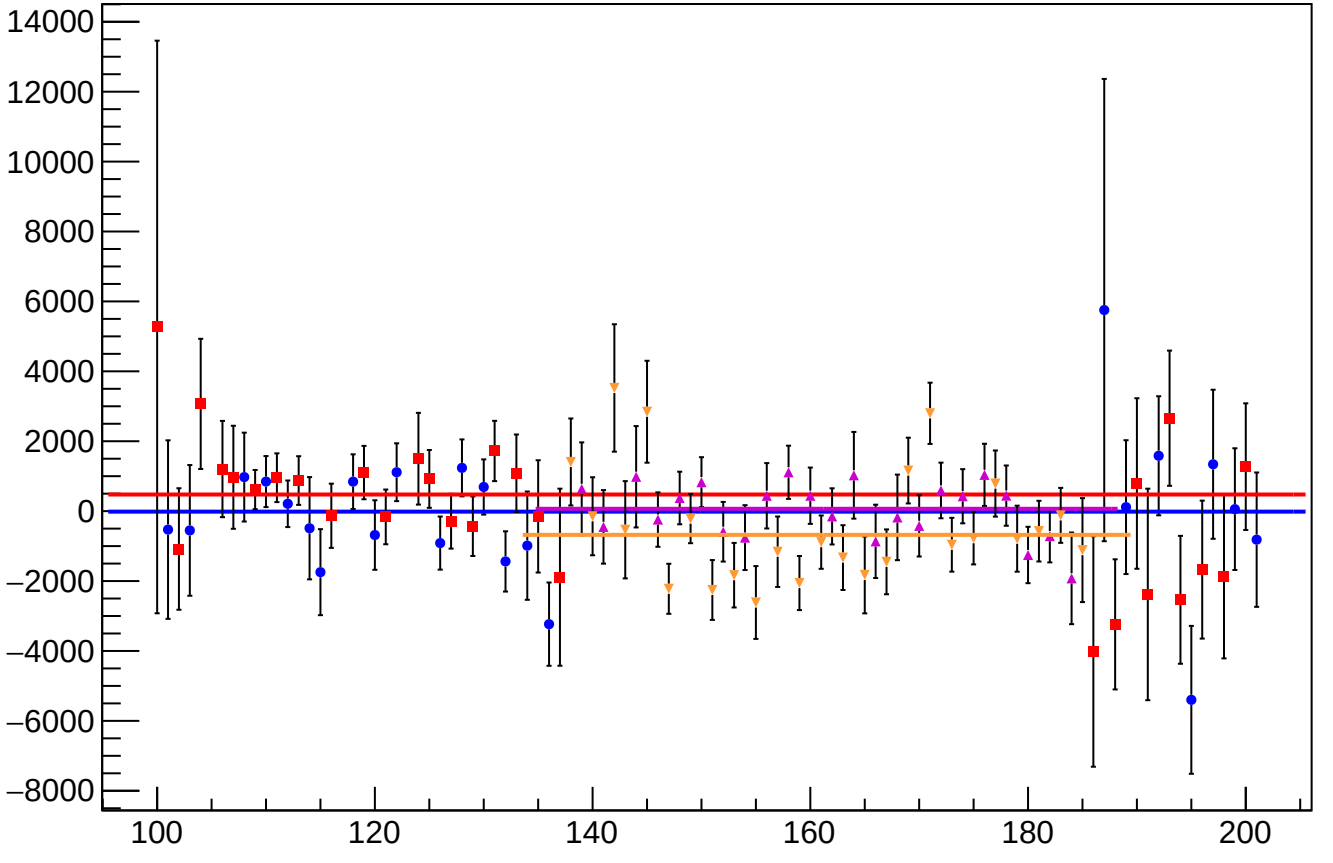
Right: 2810.953+/-0.397 χ^2/NDF: 1279260.3/50

In: 2765.706+/-0.355 χ^2/NDF:758132.2/45

Out: 2769.555+/-0.343 χ^2/NDF:546199.1/52

All: 2767.695+/-0.247 χ^2/NDF: 1304392.1/98

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



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: 475.893+/-207.680 χ^2/NDF: 25.6/27

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

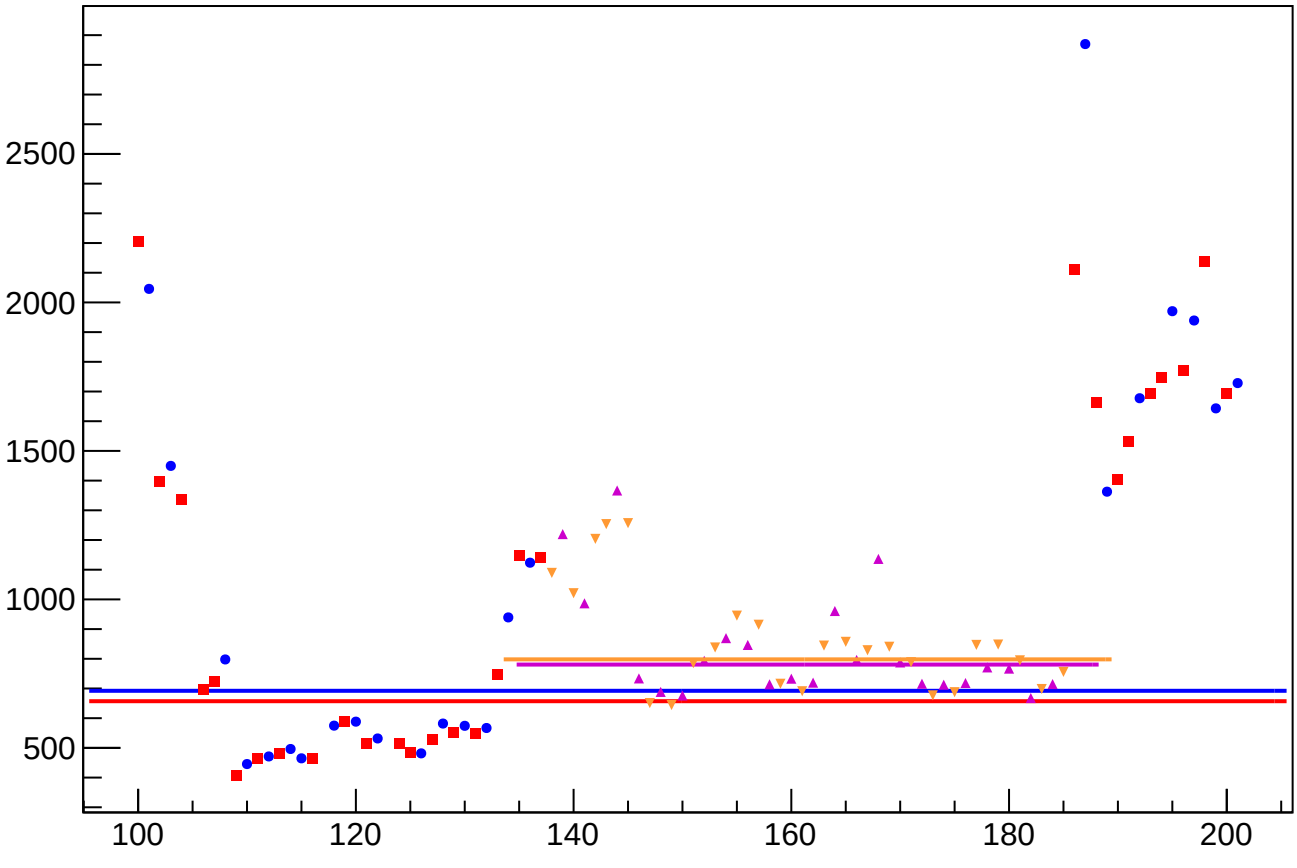
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

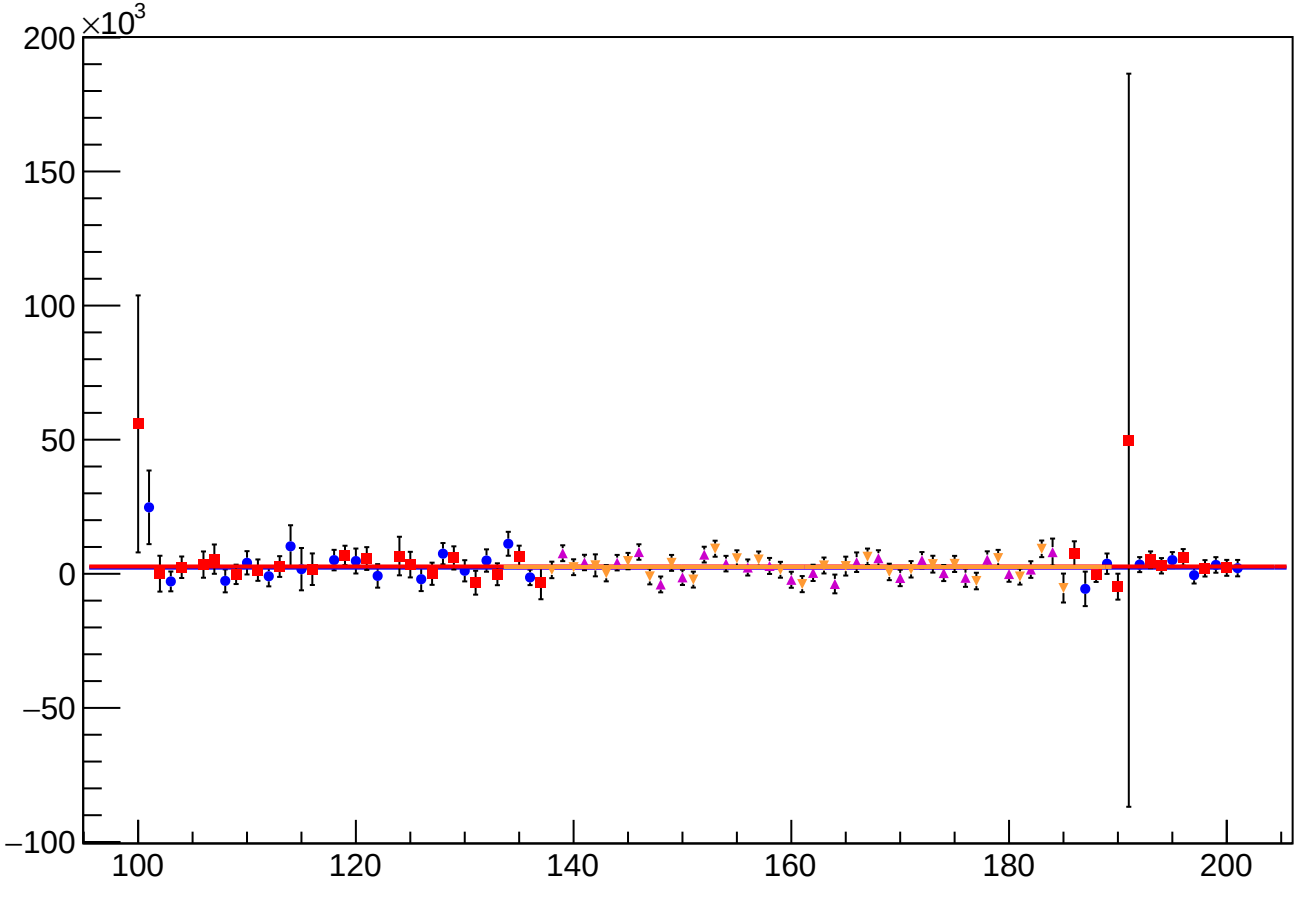
Right: 252.428+/-153.204 χ^2/NDF: 59.7/50

In: 34.515+/-143.590 χ^2/NDF:47.4/45

Out: -167.591+/-138.142 χ^2/NDF:99.1/52

All: -70.445+/-99.551 χ^2/NDF: 147.5/98


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: 657.181+/-0.147 χ²/NDF: 6748093.8/27
Left In: 780.525+/-0.131 χ²/NDF:1064827.5/22
Left: 789.329+/-0.093 χ²/NDF: 2242174.0/47
Right: 673.150+/-0.108 χ²/NDF: 12686903.2/50
In: 745.166+/-0.102 χ²/NDF:7159313.7/45
Out: 735.746+/-0.098 χ²/NDF:8429795.9/52
All: 740.274+/-0.070 χ²/NDF: 15593579.6/98



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: 2734.899+/-777.010 χ^2/NDF: 16.3/27

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

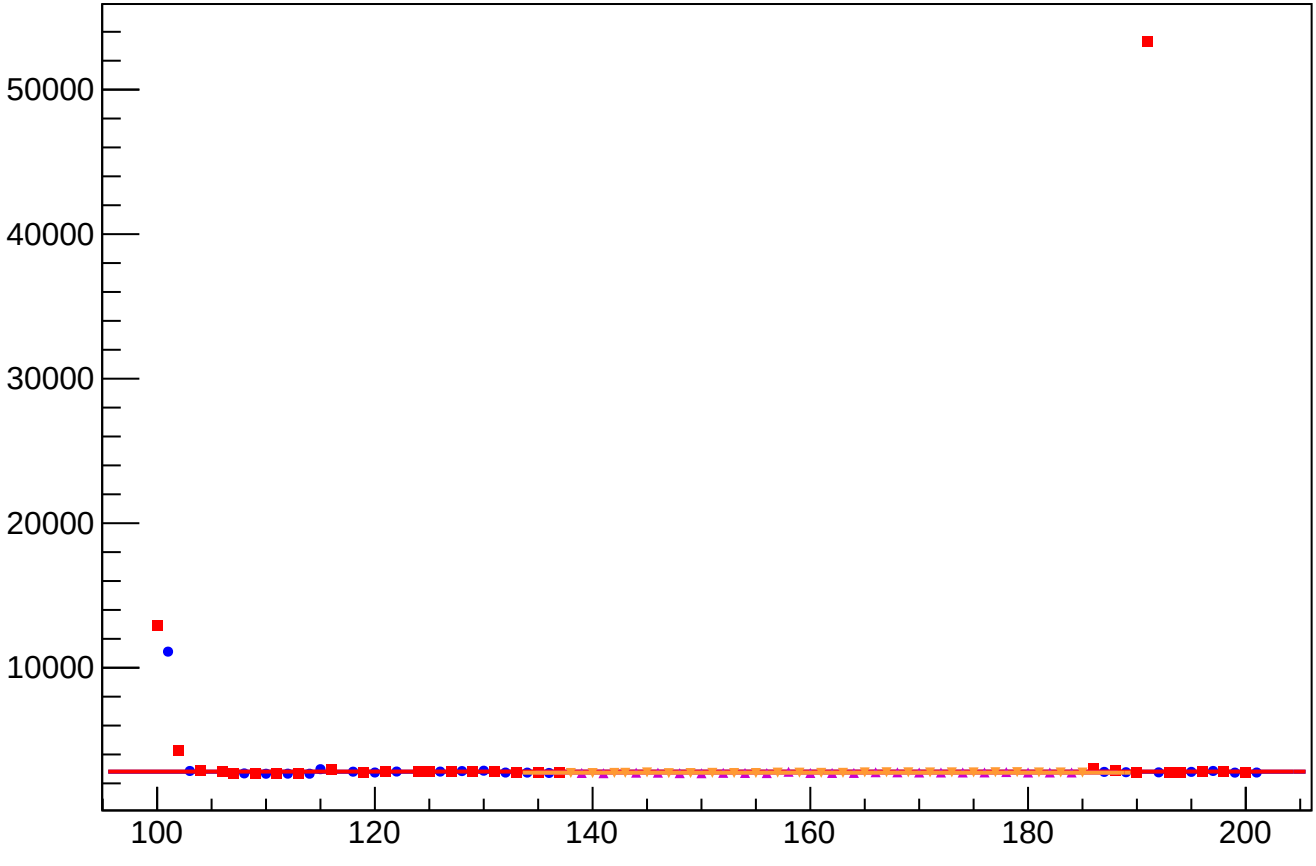
Right: 2521.675+/-560.835 χ^2/NDF: 38.0/50

In: 2361.873+/-502.283 χ^2/NDF:53.4/45

Out: 2619.225+/-485.693 χ^2/NDF:48.2/52

All: 2494.869+/-349.155 χ^2/NDF: 101.7/98

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: 2816.726+/-0.549 χ^2/NDF: 531778.3/27

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

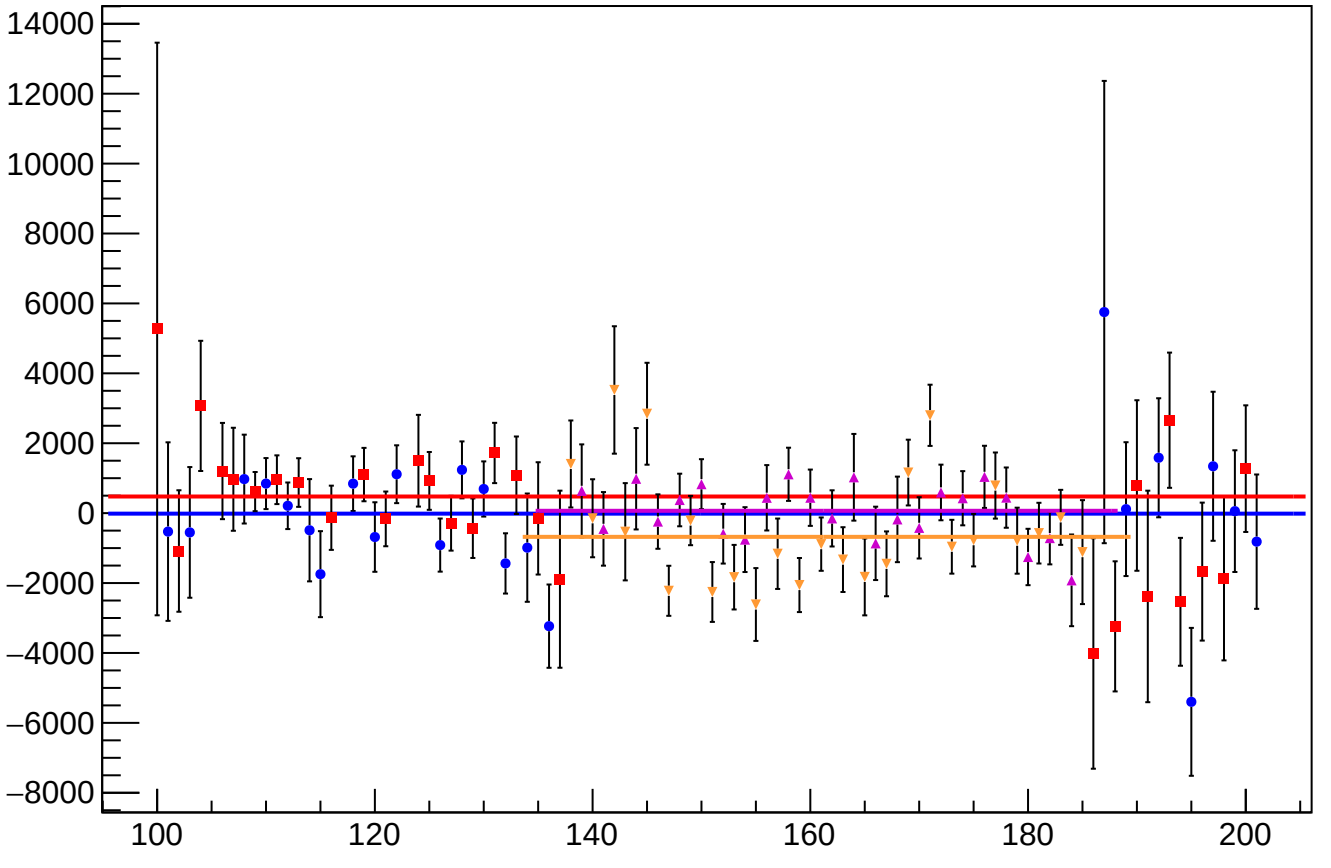
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2810.953+/-0.397 χ^2/NDF: 1279260.1/50

In: 2765.706+/-0.355 χ^2/NDF:758132.2/45

Out: 2769.555+/-0.343 χ^2/NDF:546198.9/52

All: 2767.695+/-0.247 χ^2/NDF: 1304391.8/98



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: 475.893+/-207.680 χ^2/NDF: 25.6/27

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

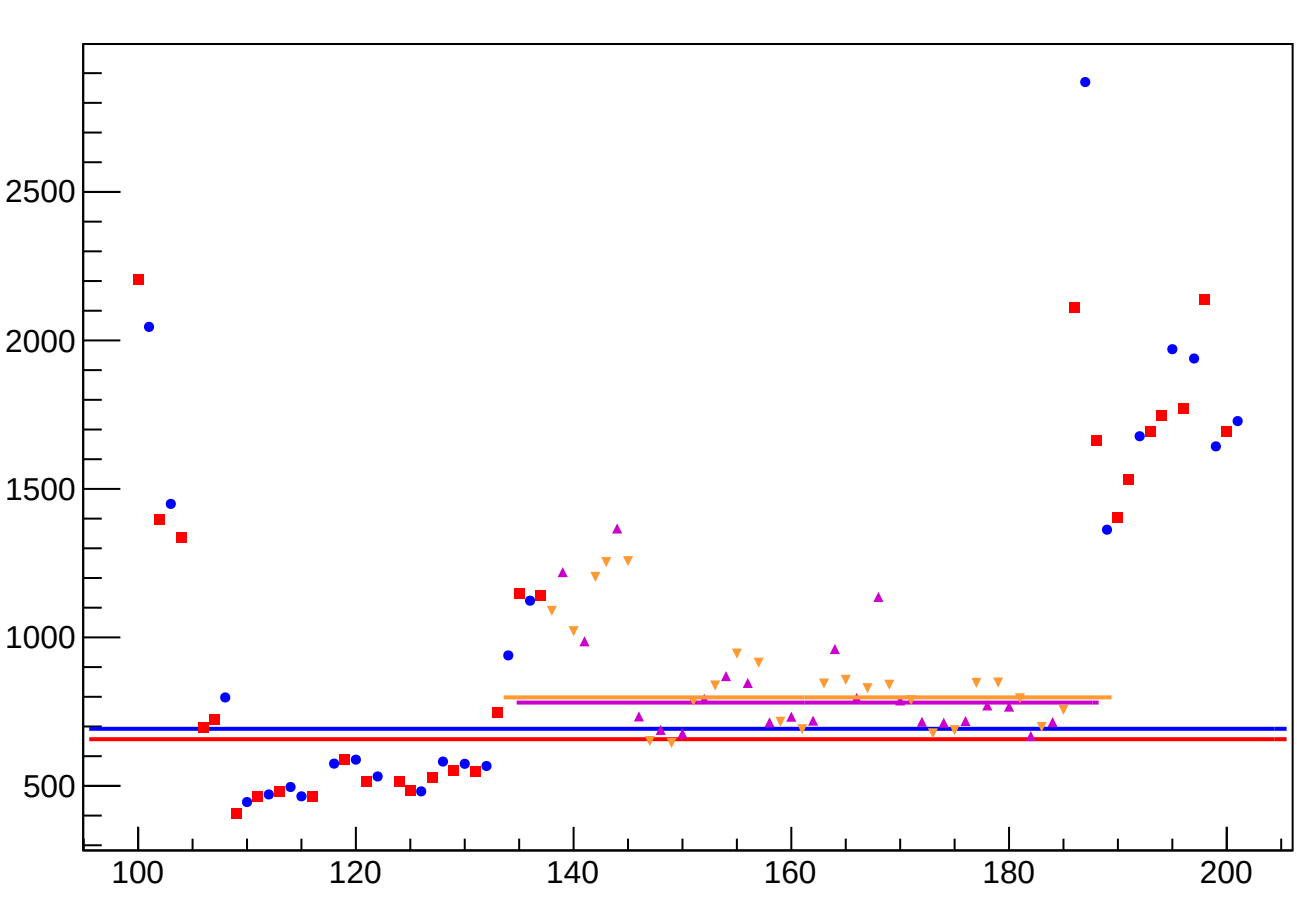
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 252.428+/-153.204 χ^2/NDF: 59.7/50

In: 34.515+/-143.590 χ^2/NDF:47.4/45

Out: -167.591+/-138.142 χ^2/NDF:99.1/52

All: -70.445+/-99.551 χ^2/NDF: 147.5/98



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: 657.181+/-0.147 χ^2/NDF: 6748095.3/27

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

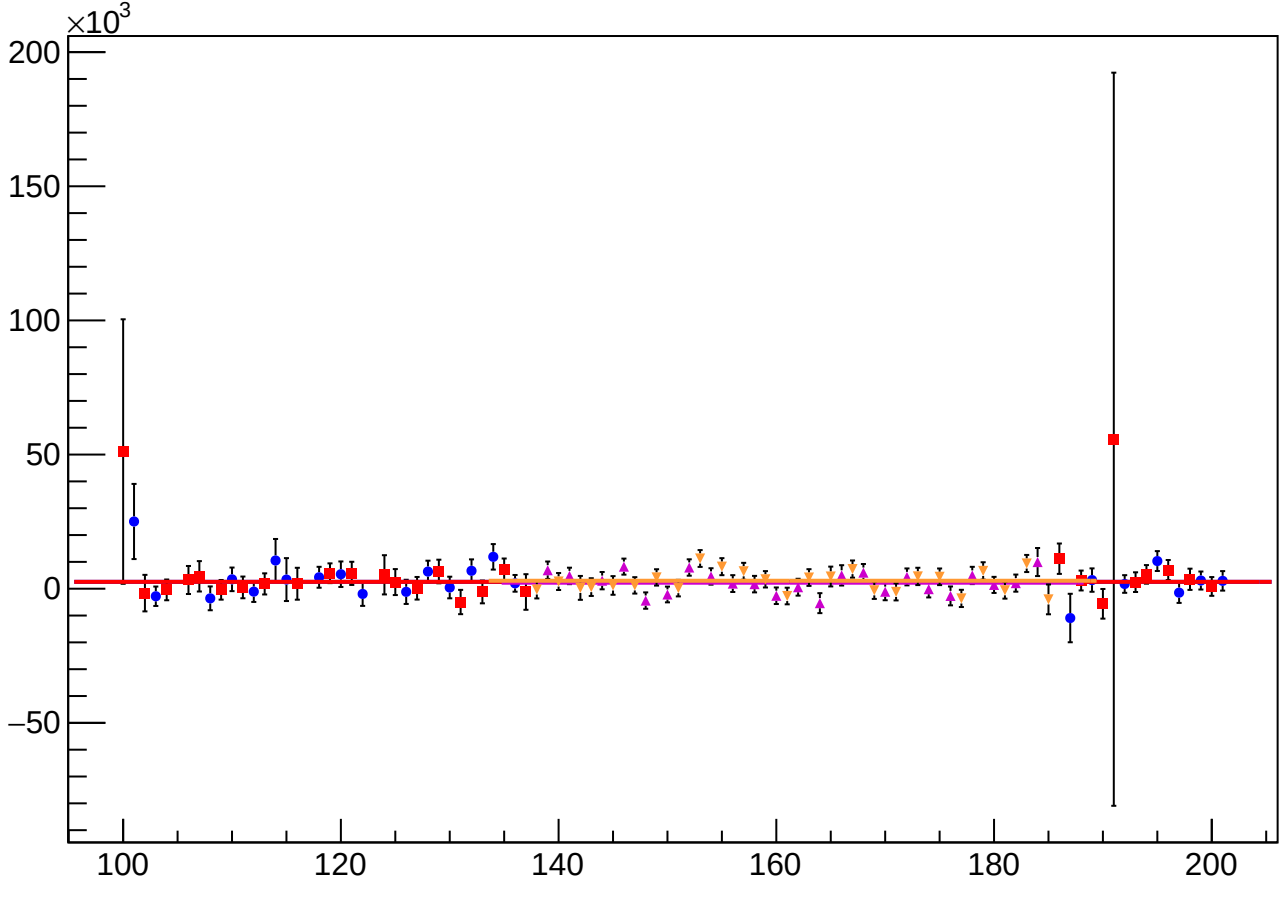
Right: 673.150+/-0.108 χ^2/NDF: 12686901.5/50

In: 745.166+/-0.102 χ^2/NDF:7159310.5/45

Out: 735.746+/-0.098 χ^2/NDF:8429798.9/52

All: 740.274+/-0.070 χ^2/NDF: 15593579.4/98

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: 2561.779+/-852.332 χ^2/NDF: 17.6/27

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

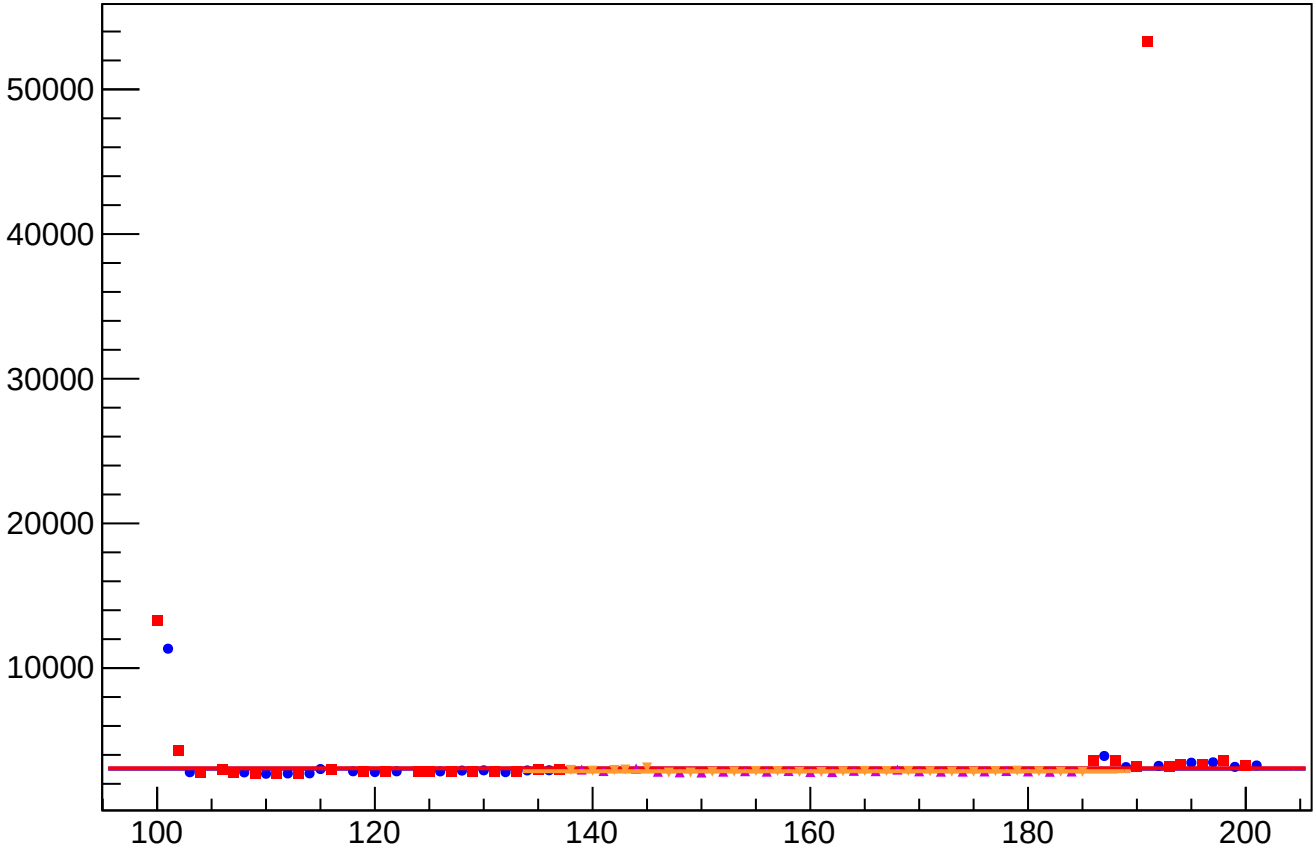
Right: 2559.710+/-613.497 χ^2/NDF: 42.3/50

In: 2354.358+/-534.075 χ^2/NDF:58.6/45

Out: 2818.512+/-518.501 χ^2/NDF:53.5/52

All: 2593.301+/-372.020 χ^2/NDF: 112.4/98

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: 3072.615+/-0.603 χ^2/NDF: 711544.1/27

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

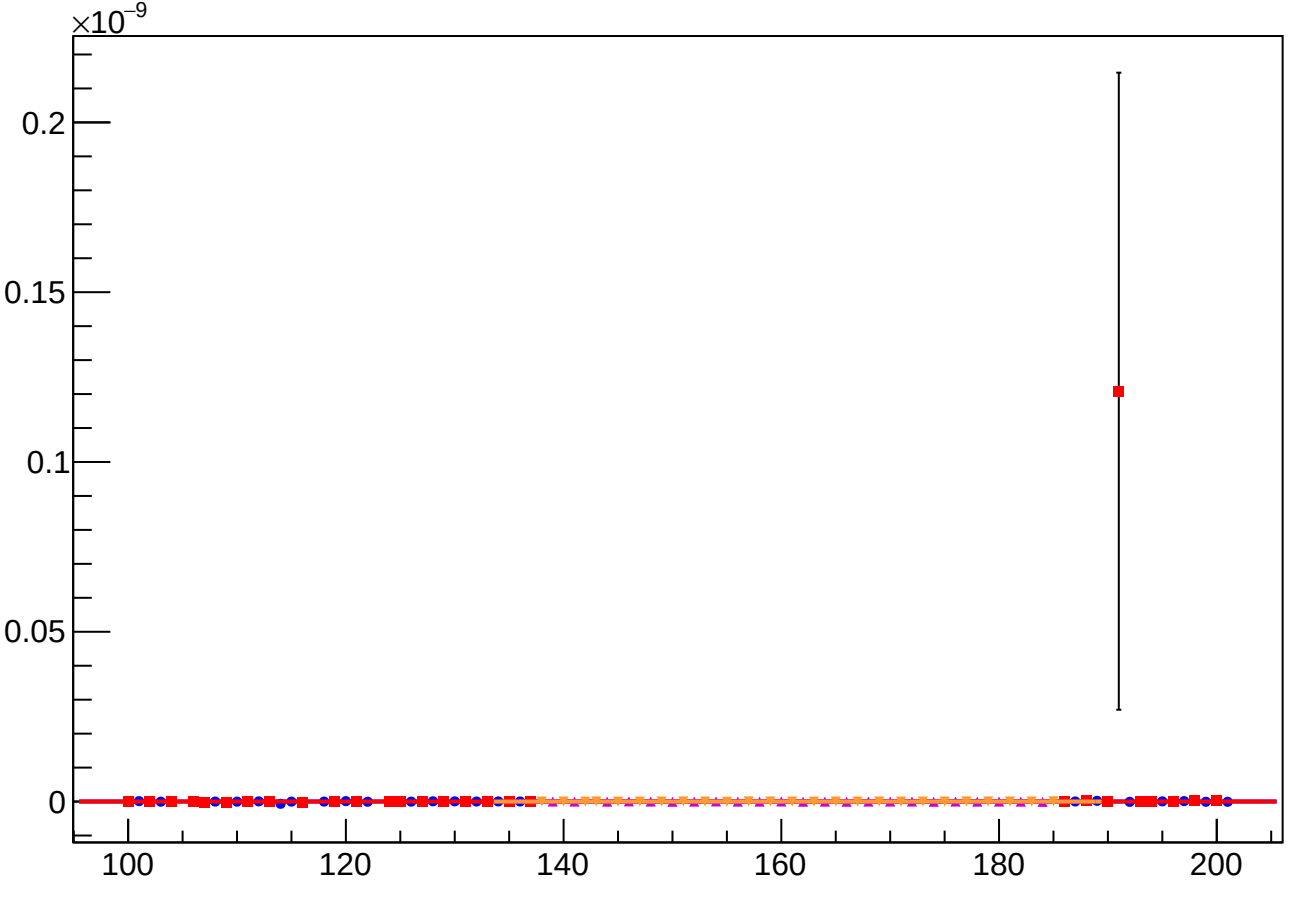
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3061.172+/-0.434 χ^2/NDF: 1578388.0/50

In: 2935.422+/-0.378 χ^2/NDF:935702.2/45

Out: 2948.090+/-0.367 χ^2/NDF:801103.8/52

All: 2941.943+/-0.263 χ^2/NDF: 1737385.3/98



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: 34.3/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

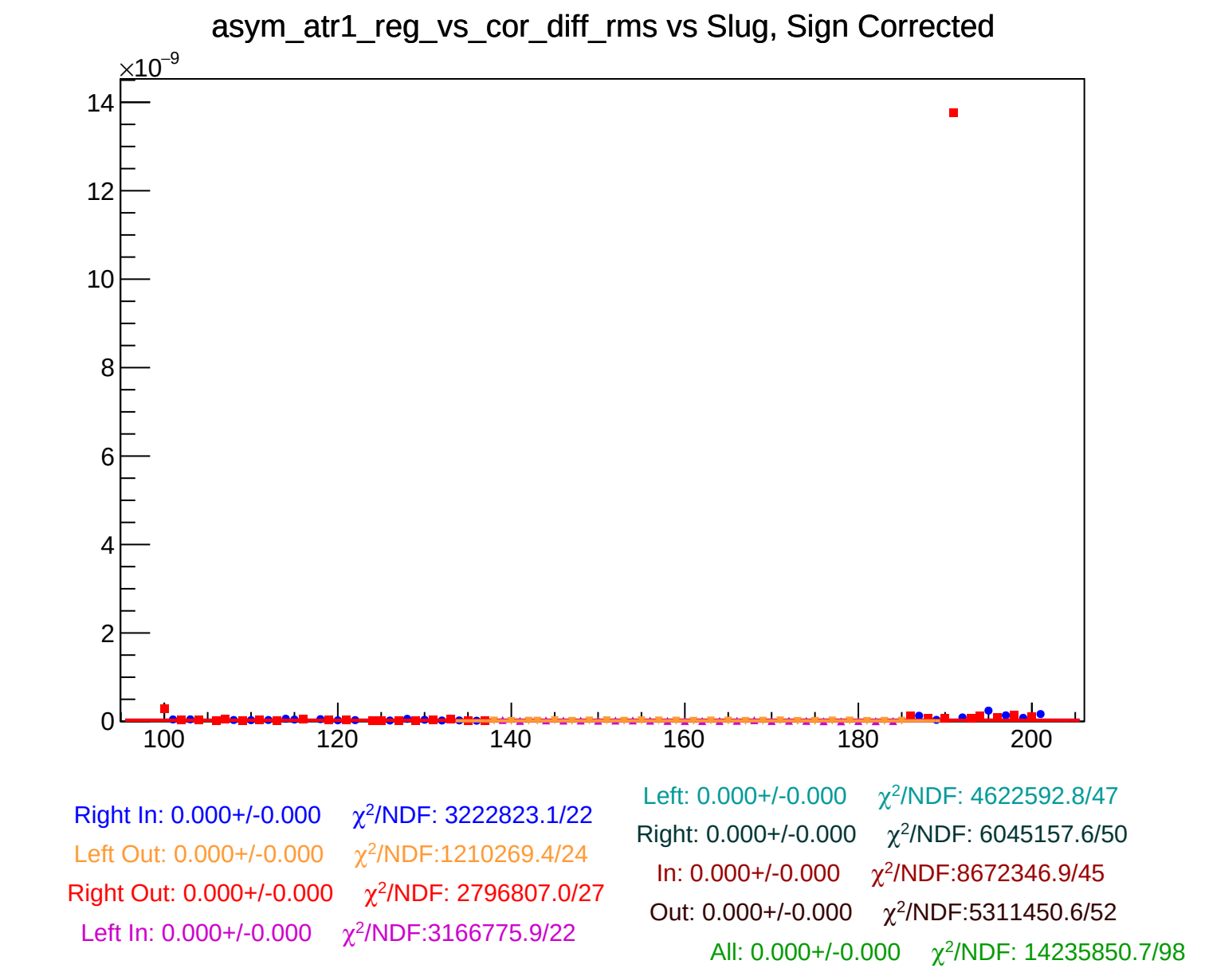
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

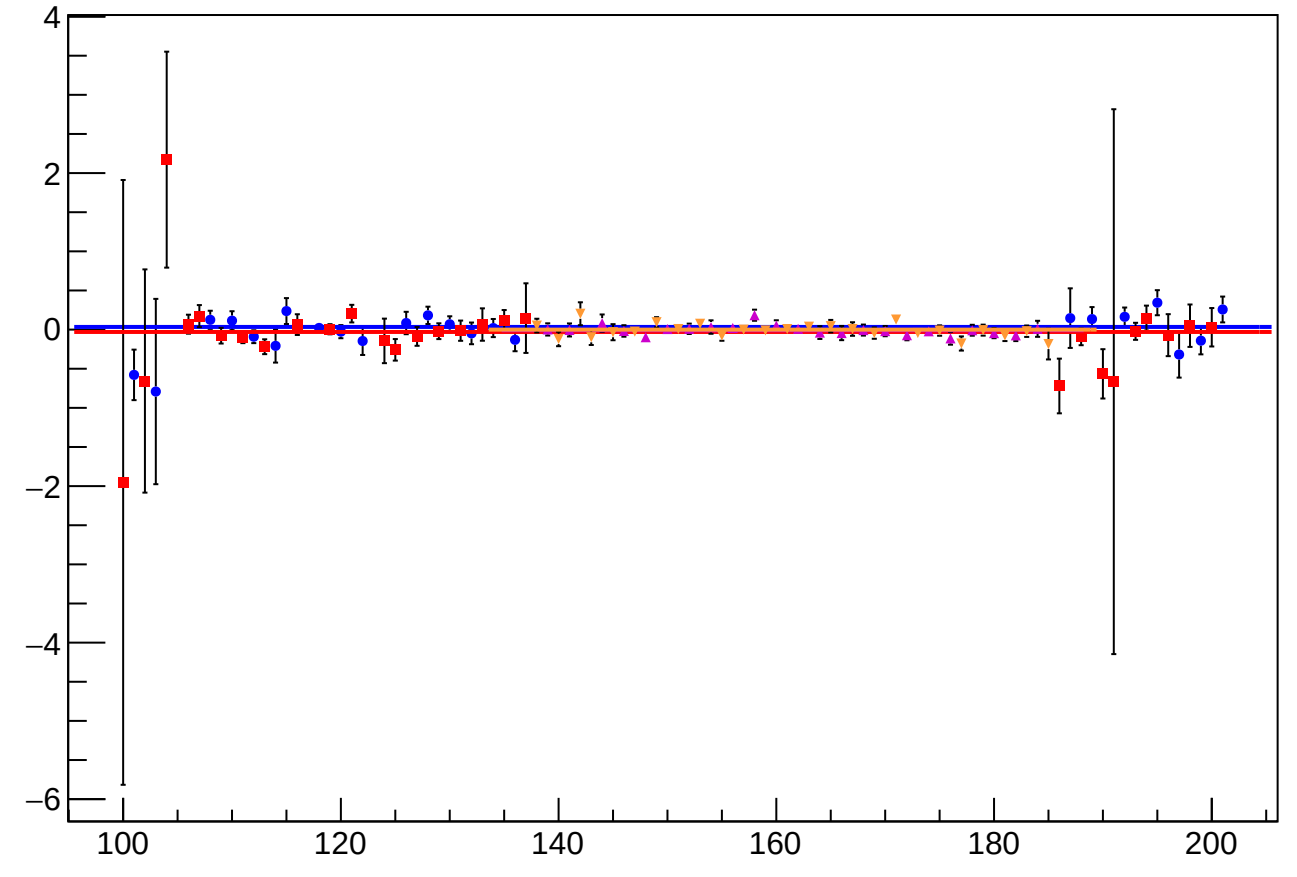
Right: 0.000+/-0.000 χ^2/NDF: 49.6/50

In: -0.000+/-0.000 χ^2/NDF:45.6/45

Out: 0.000+/-0.000 χ^2/NDF:49.1/52

All: -0.000+/-0.000 χ^2/NDF: 95.3/98


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: 2796807.0/27
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: 6045157.6/50
In: 0.000+/-0.000 χ²/NDF:8672346.9/45
Out: 0.000+/-0.000 χ²/NDF:5311450.6/52
All: 0.000+/-0.000 χ²/NDF: 14235850.7/98



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: -0.030+/-0.025 χ^2/NDF: 29.4/27

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

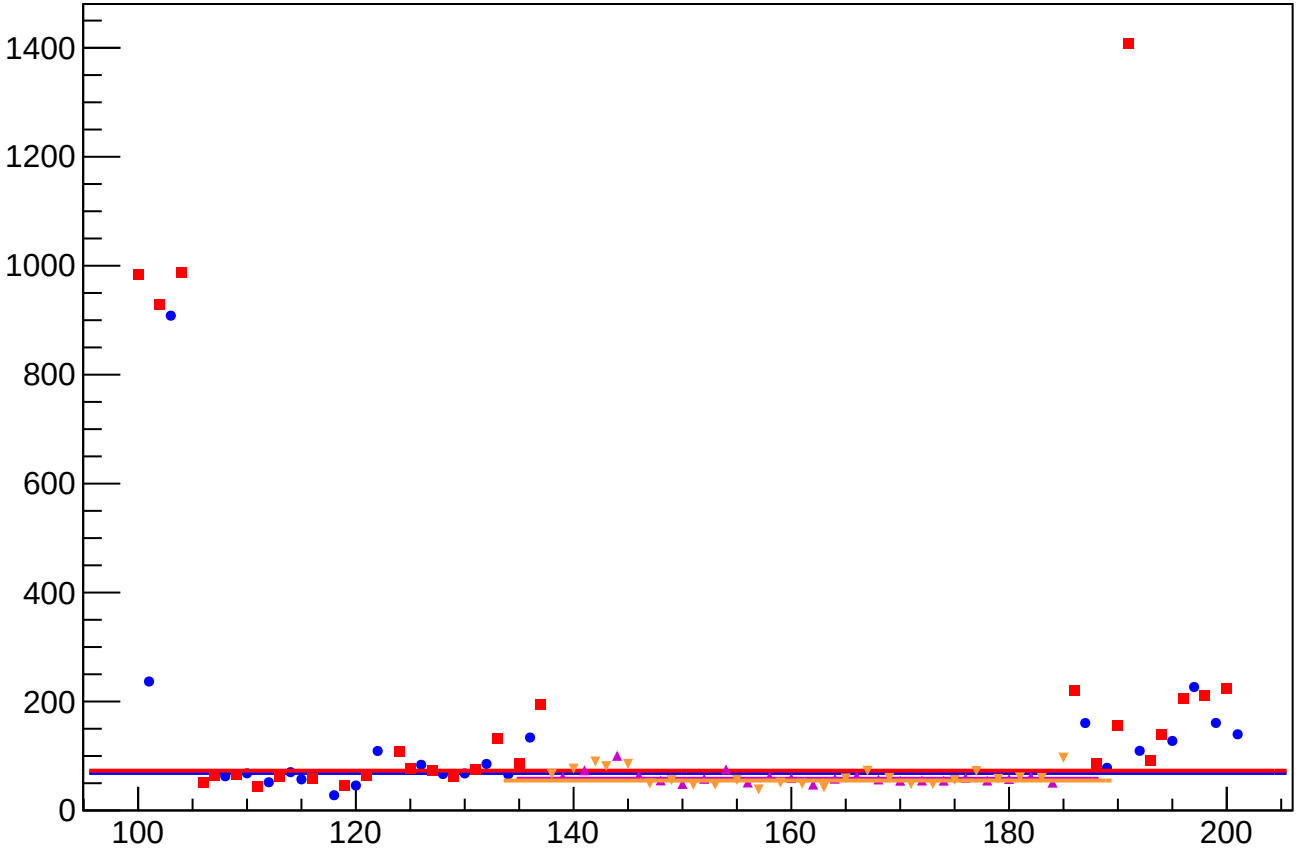
Right: 0.002+/-0.018 χ^2/NDF: 57.8/50

In: 0.002+/-0.013 χ^2/NDF:42.8/45

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 96.1/98

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: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

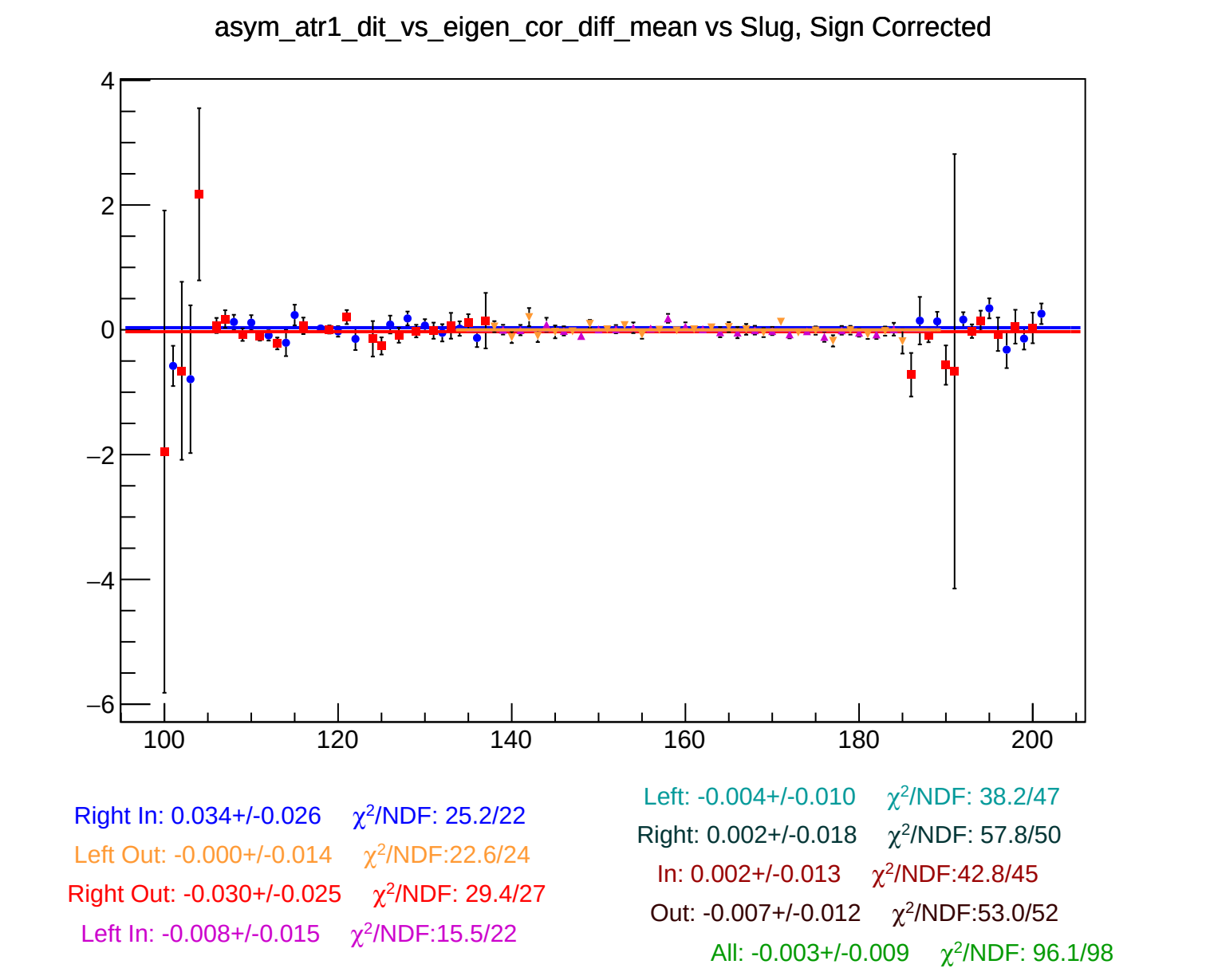
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

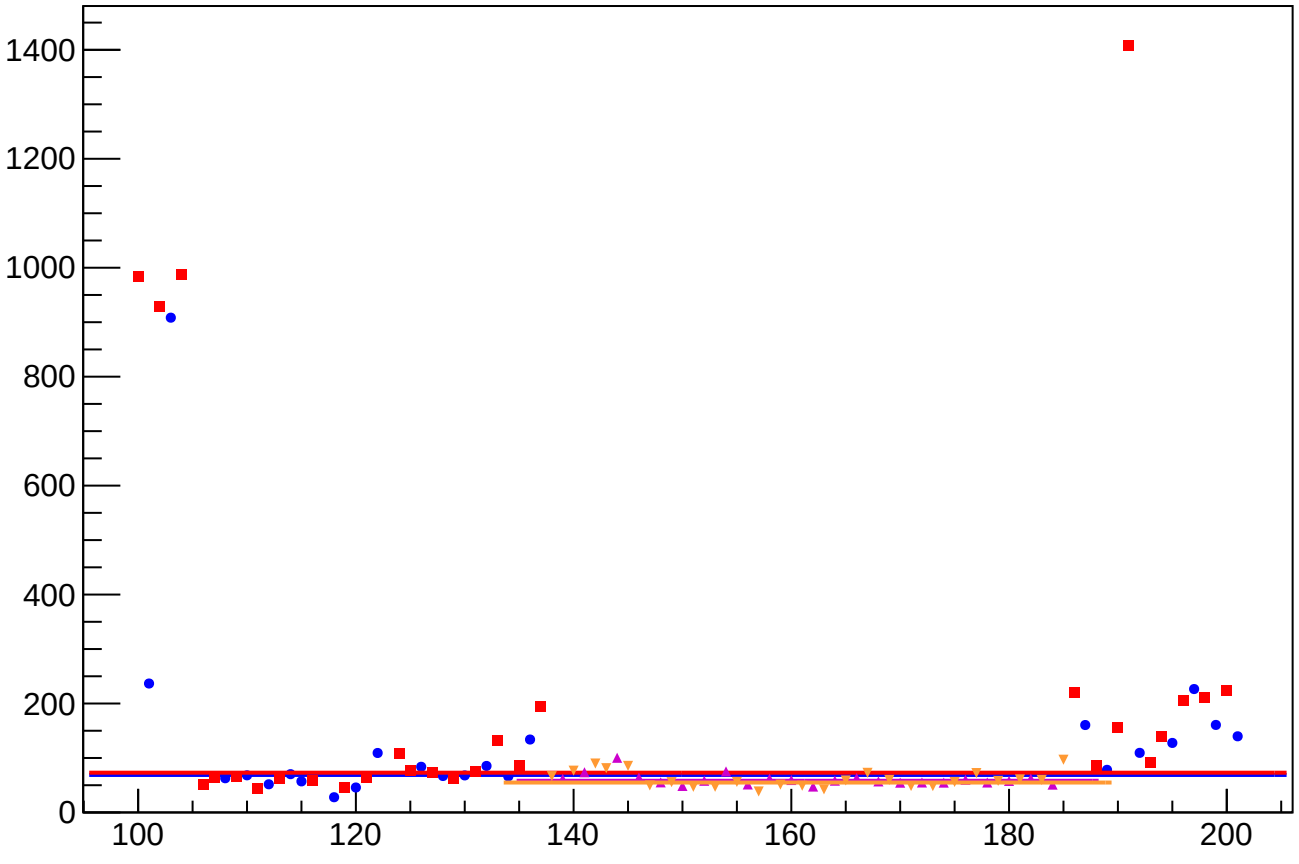
Right: 70.942+/-0.013 χ^2/NDF: 11604849.4/50

In: 60.841+/-0.009 χ^2/NDF:6587094.6/45

Out: 59.179+/-0.009 χ^2/NDF:7982620.8/52

All: 59.977+/-0.006 χ^2/NDF: 14587172.7/98


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: -0.030+/-0.025 χ²/NDF: 29.4/27
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.002+/-0.018 χ²/NDF: 57.8/50
In: 0.002+/-0.013 χ²/NDF:42.8/45
Out: -0.007+/-0.012 χ²/NDF:53.0/52
All: -0.003+/-0.009 χ²/NDF: 96.1/98



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: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

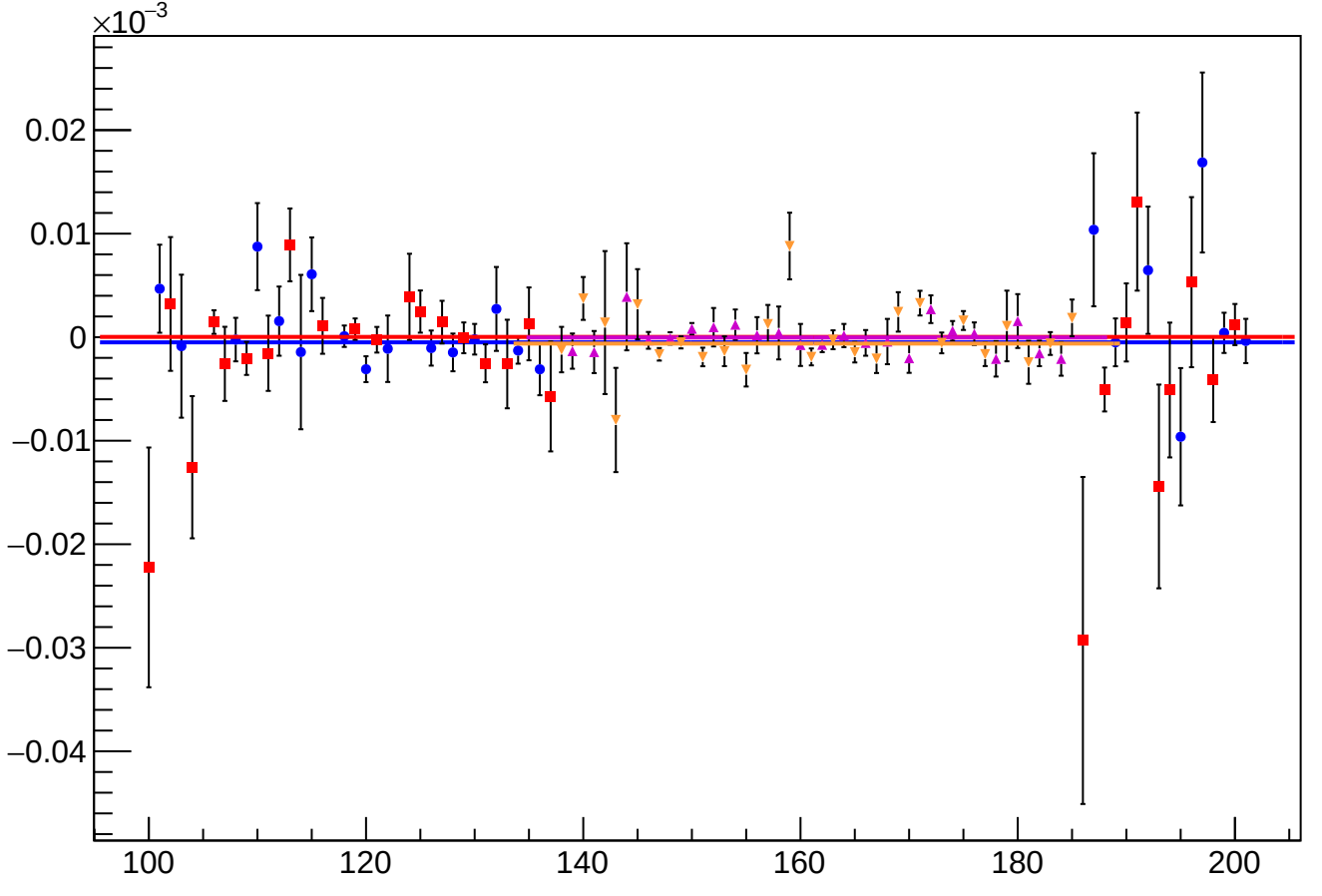
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.942+/-0.013 χ^2/NDF: 11604849.4/50

In: 60.841+/-0.009 χ^2/NDF:6587094.6/45

Out: 59.179+/-0.009 χ^2/NDF:7982620.8/52

All: 59.977+/-0.006 χ^2/NDF: 14587172.7/98



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: 41.0/27

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

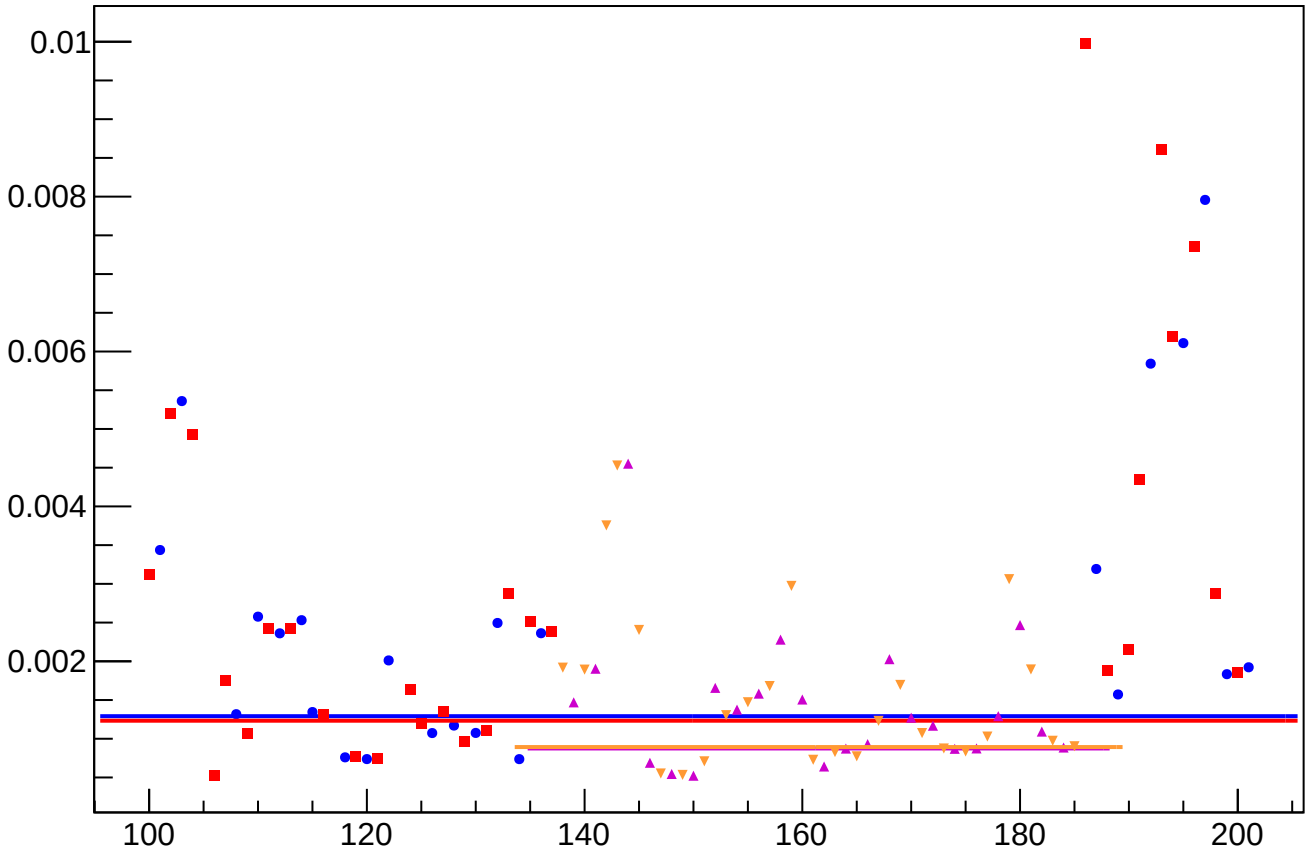
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.6/50

In: -0.000+/-0.000 χ^2/NDF:45.9/45

Out: -0.000+/-0.000 χ^2/NDF:95.4/52

All: -0.000+/-0.000 χ^2/NDF: 142.7/98



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: 9235157.4/27

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

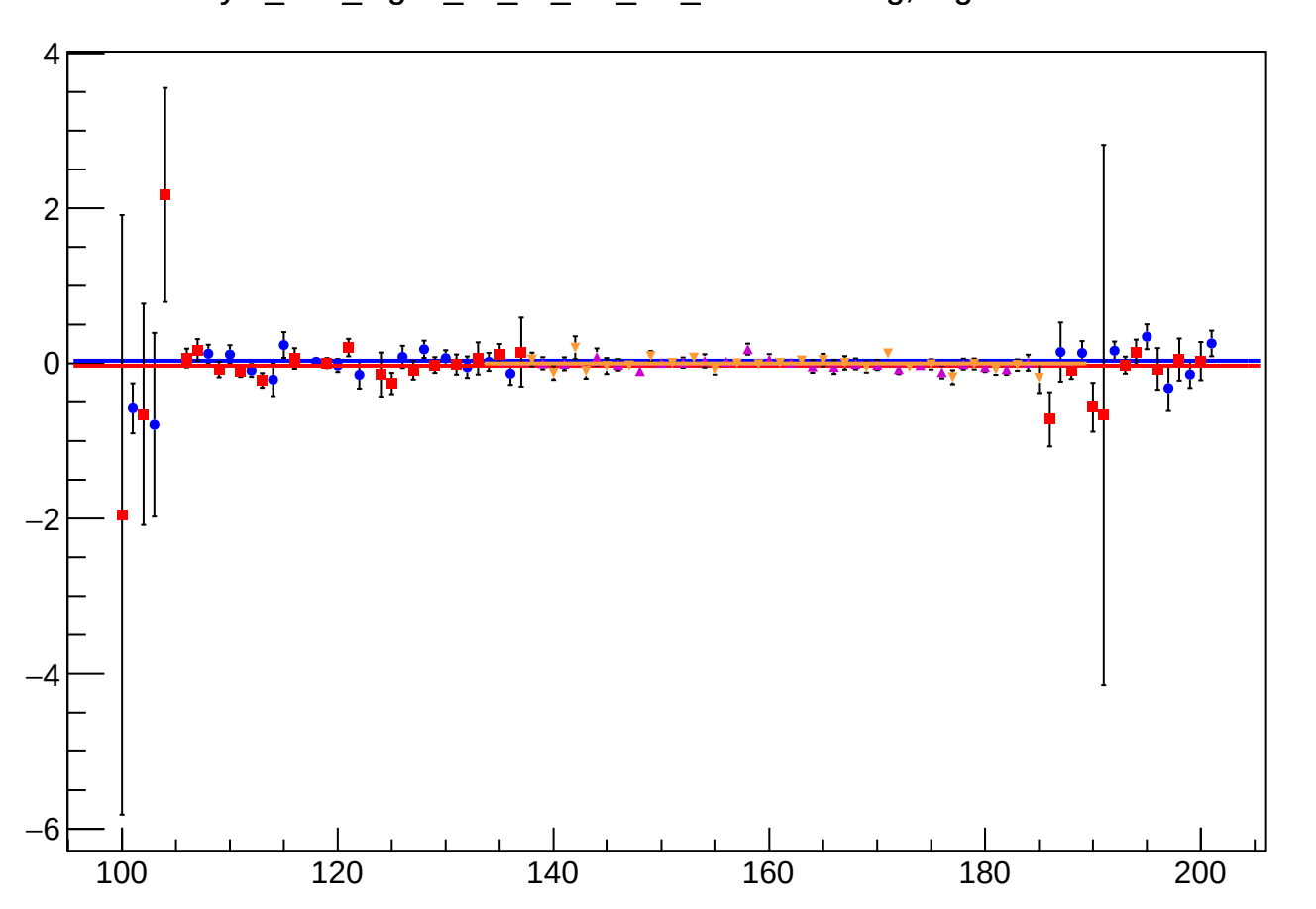
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 16751708.8/50

In: 0.001+/-0.000 χ^2/NDF:15802348.2/45

Out: 0.001+/-0.000 χ^2/NDF:17926905.7/52

All: 0.001+/-0.000 χ^2/NDF: 33729721.2/98



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: -0.030+/-0.025 χ^2/NDF: 29.4/27

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

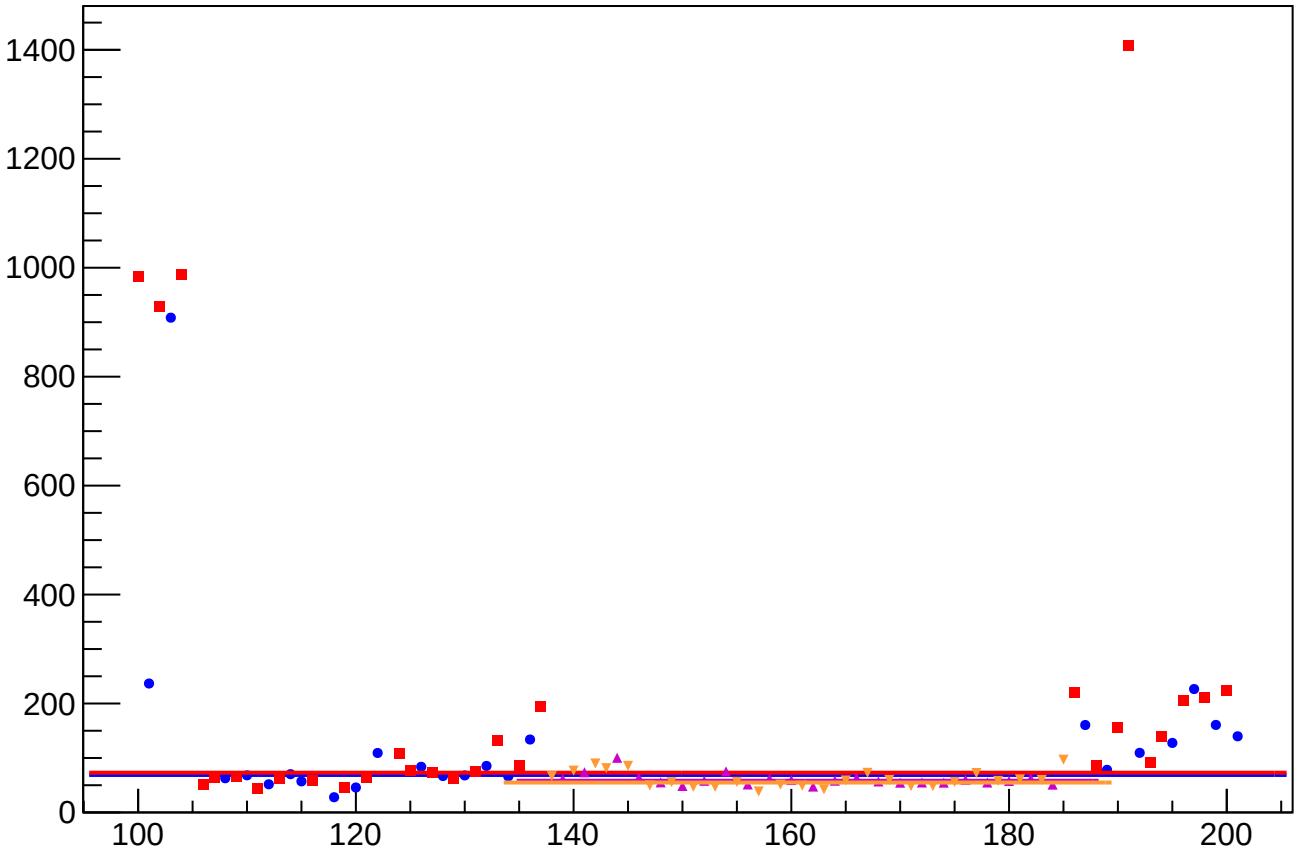
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.002+/-0.018 χ^2/NDF: 57.8/50

In: 0.002+/-0.013 χ^2/NDF:42.8/45

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 96.1/98



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: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

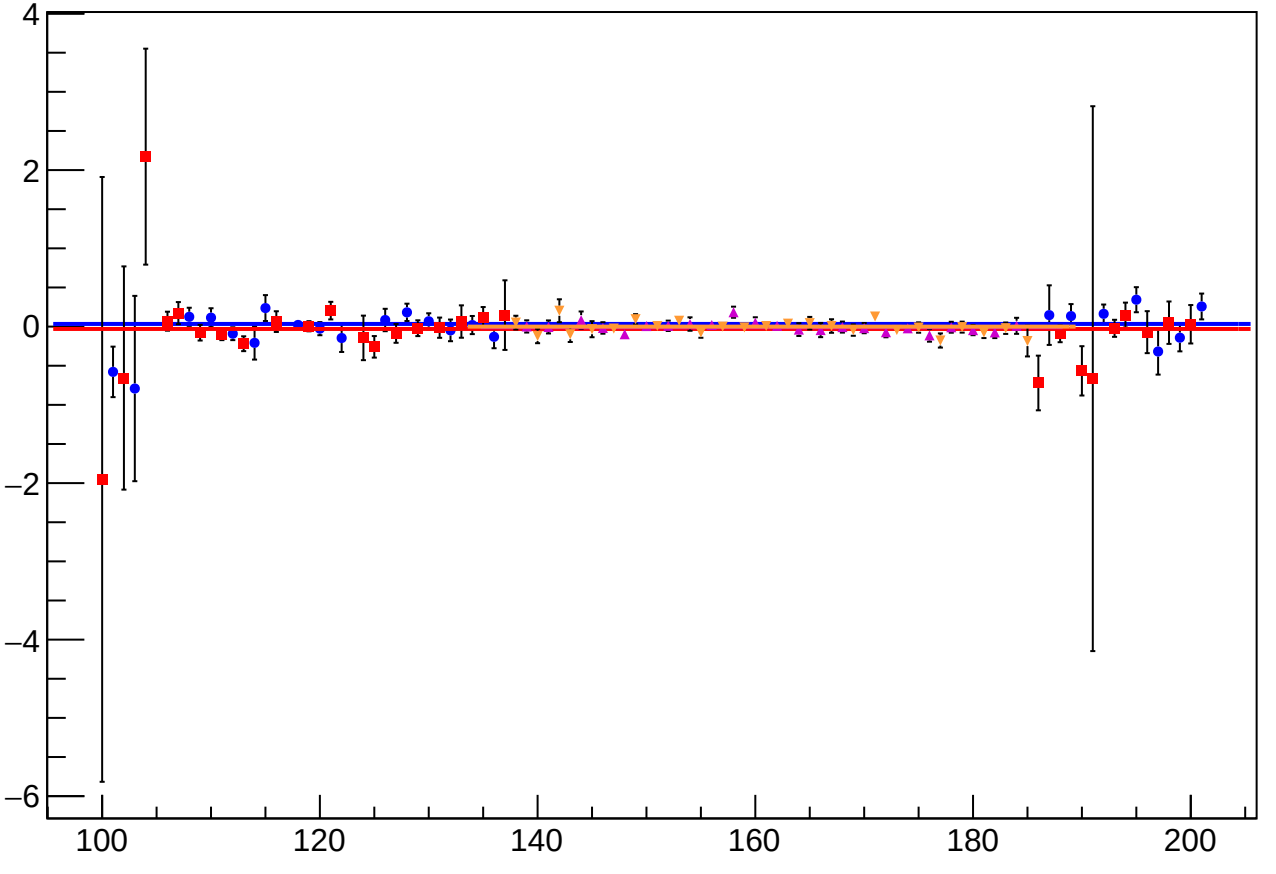
Right: 70.941+/-0.013 χ^2/NDF: 11605007.3/50

In: 60.841+/-0.009 χ^2/NDF:6587204.3/45

Out: 59.178+/-0.009 χ^2/NDF:7982732.8/52

All: 59.976+/-0.006 χ^2/NDF: 14587399.5/98

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.030+/-0.025 χ^2/NDF: 29.4/27

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

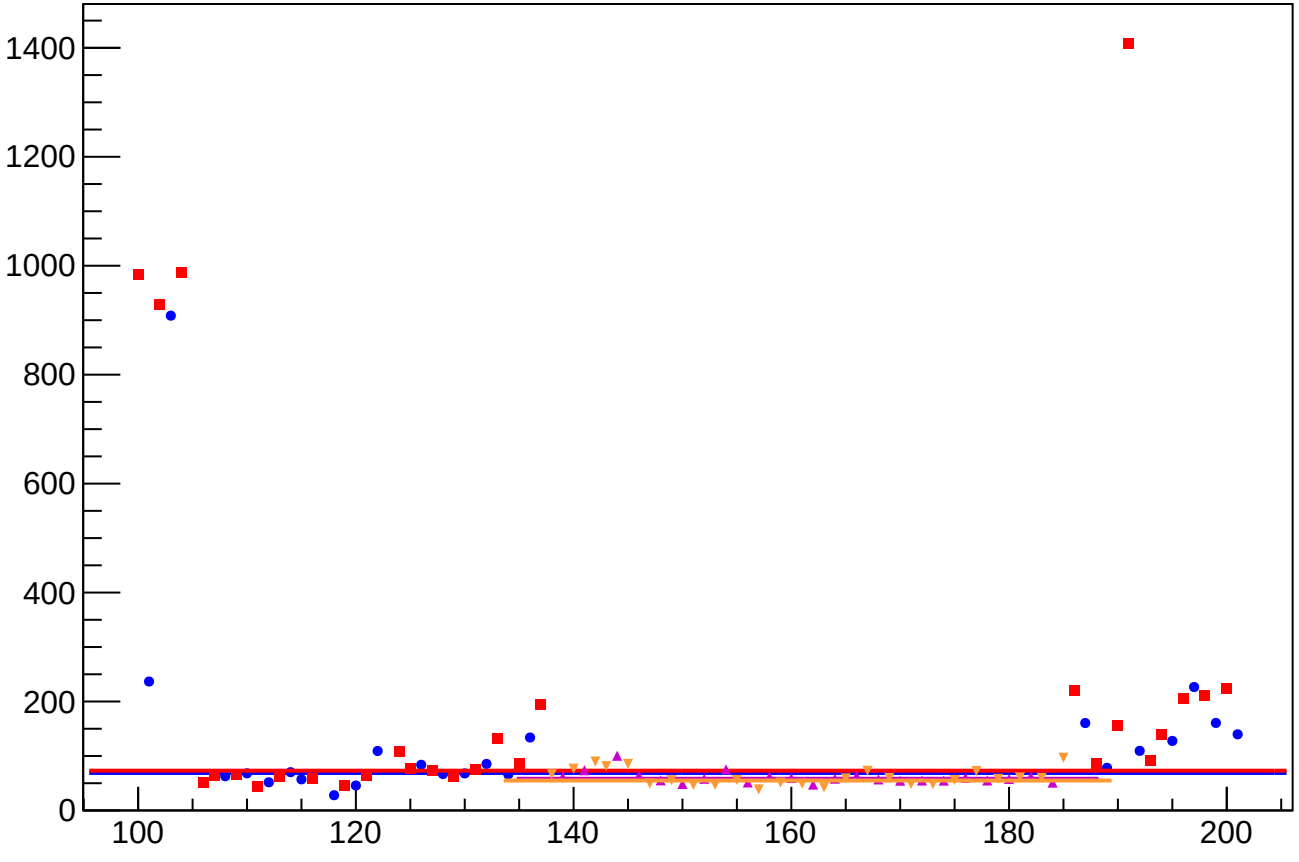
Right: 0.002+/-0.018 χ^2/NDF: 57.8/50

In: 0.002+/-0.013 χ^2/NDF:42.8/45

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 96.1/98

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: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

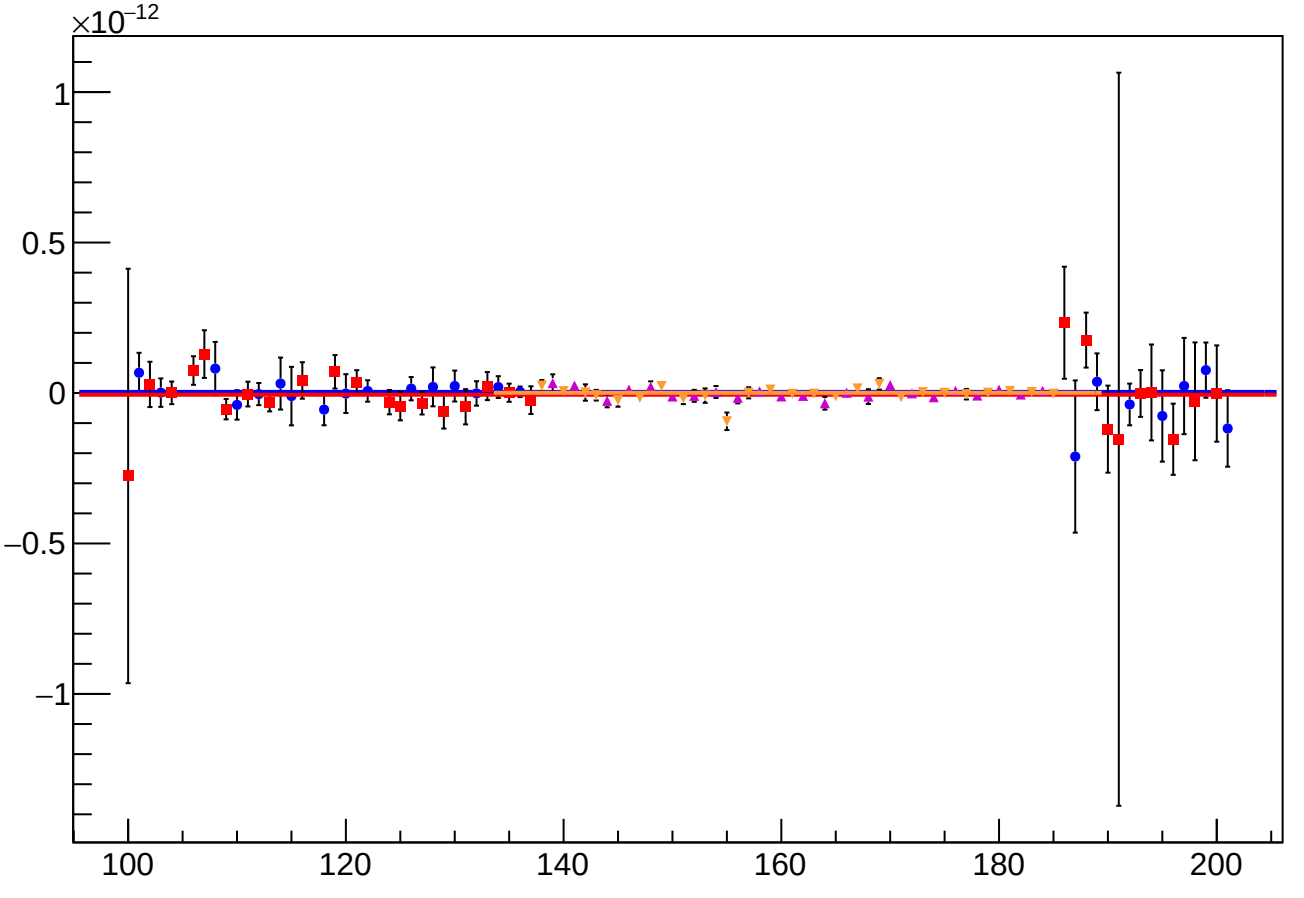
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.941+/-0.013 χ^2/NDF: 11605007.3/50

In: 60.841+/-0.009 χ^2/NDF:6587204.3/45

Out: 59.178+/-0.009 χ^2/NDF:7982732.8/52

All: 59.976+/-0.006 χ^2/NDF: 14587399.5/98



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: 24.0/27

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

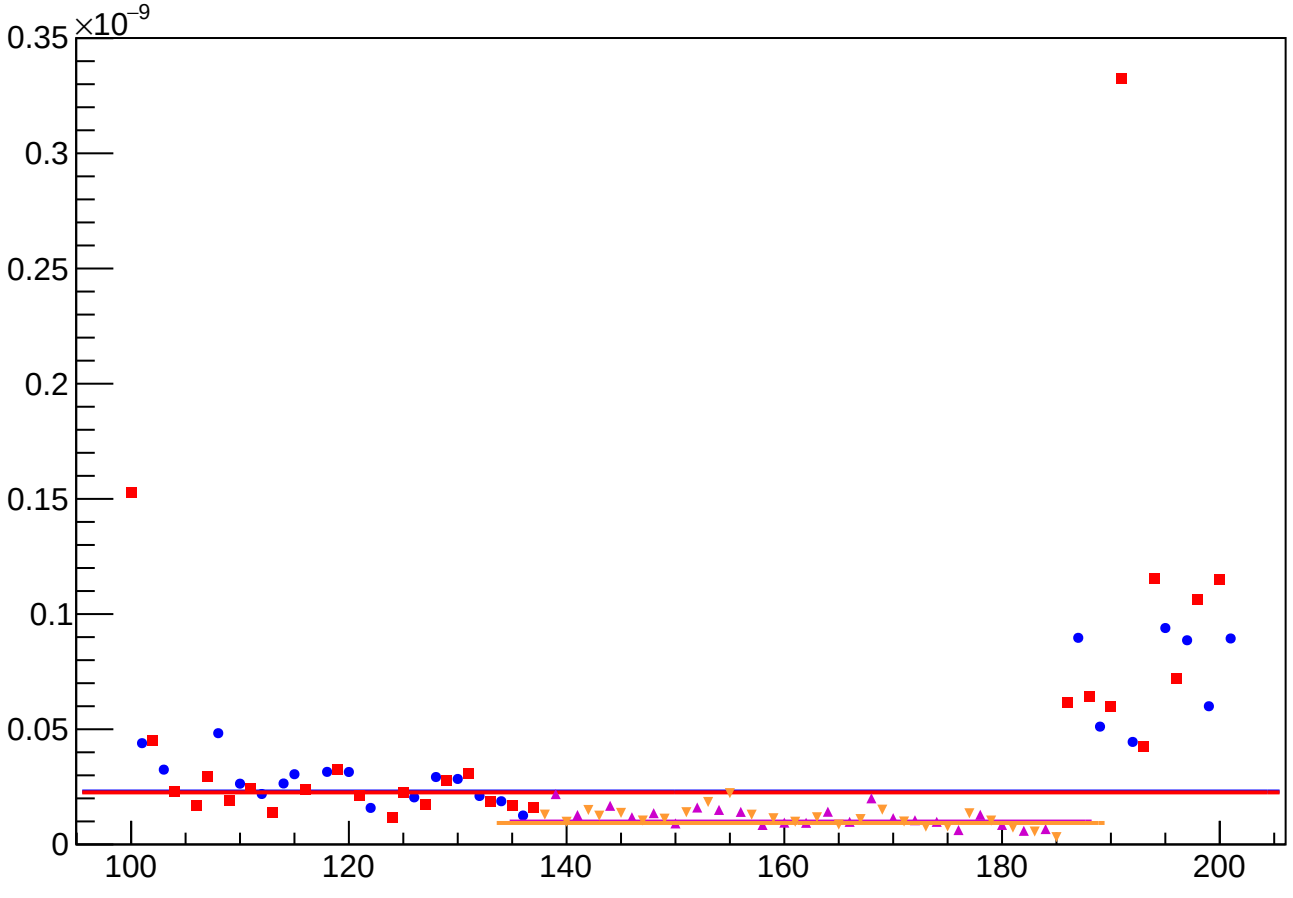
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.9/50

In: 0.000+/-0.000 χ^2/NDF:27.8/45

Out: 0.000+/-0.000 χ^2/NDF:49.7/52

All: 0.000+/-0.000 χ^2/NDF: 77.5/98



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: 3893104.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

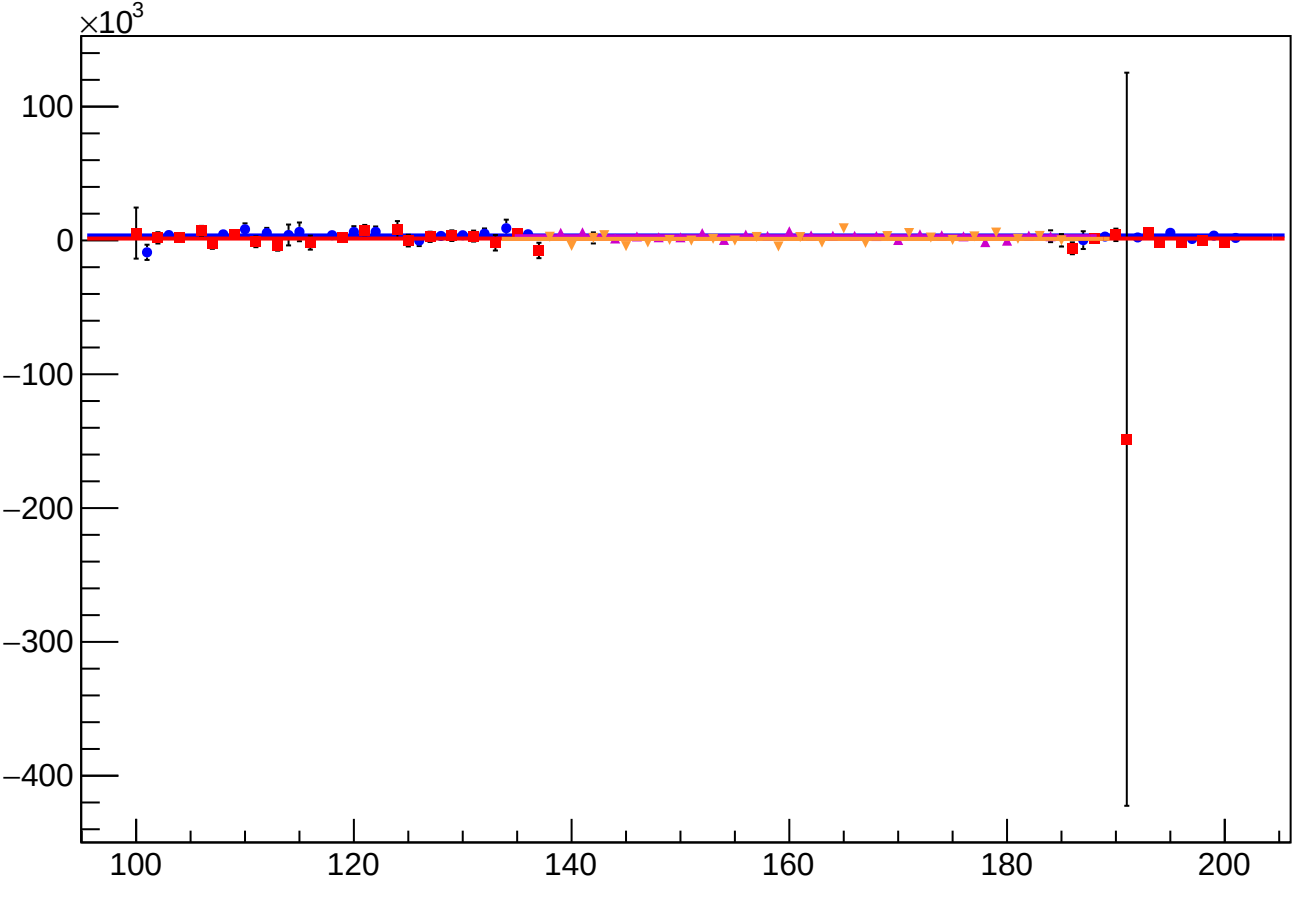
Right: 0.000+/-0.000 χ^2/NDF: 7480063.5/50

In: 0.000+/-0.000 χ^2/NDF:9321483.2/45

Out: 0.000+/-0.000 χ^2/NDF:10330939.4/52

All: 0.000+/-0.000 χ^2/NDF: 19718316.8/98

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: 1411.766+/-722.600 χ^2/NDF: 24.1/27

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

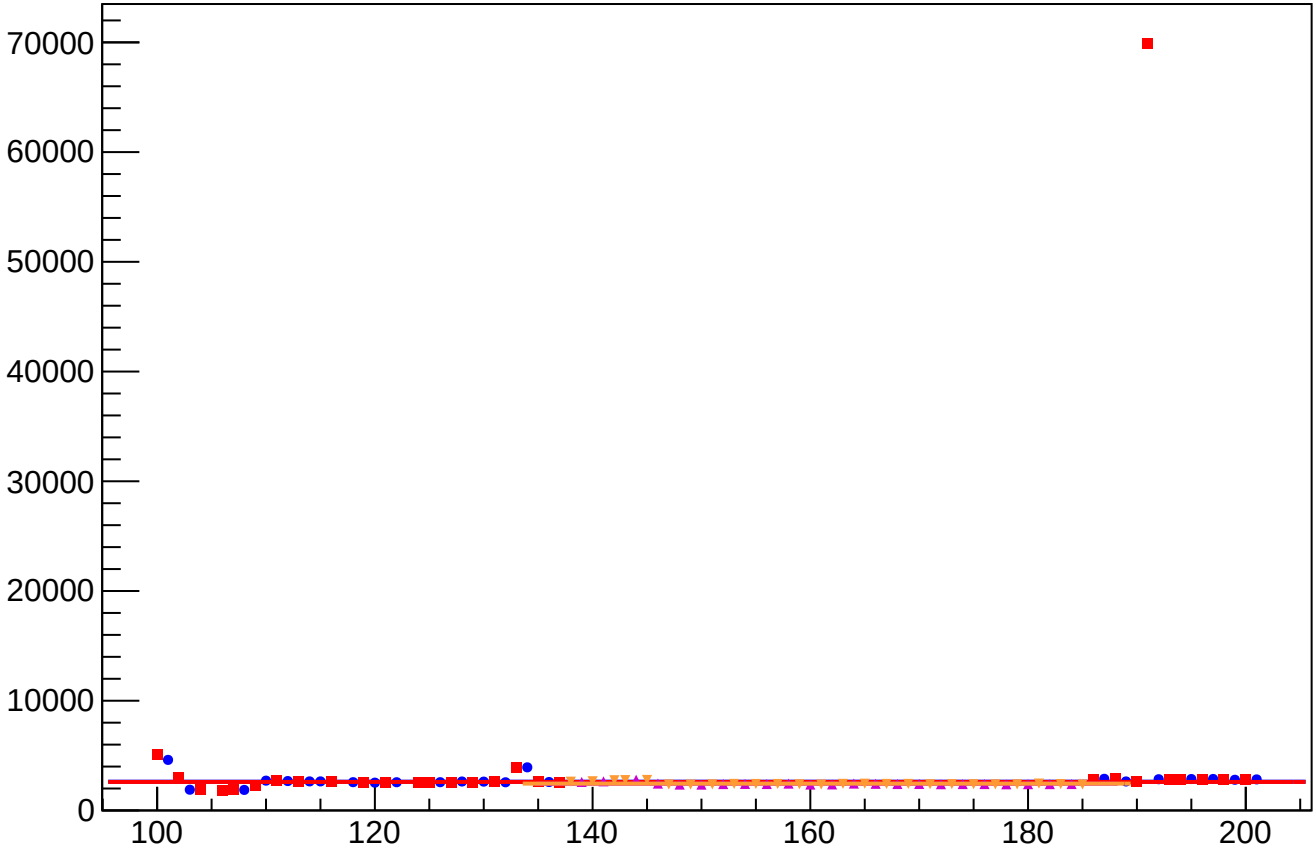
Right: 2521.785+/-522.591 χ^2/NDF: 40.3/50

In: 3361.209+/-454.885 χ^2/NDF:24.3/45

Out: 1271.784+/-440.774 χ^2/NDF:55.3/52

All: 2283.586+/-316.545 χ^2/NDF: 90.5/98

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: 2598.496+/-0.511 χ^2/NDF: 719958.6/27

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

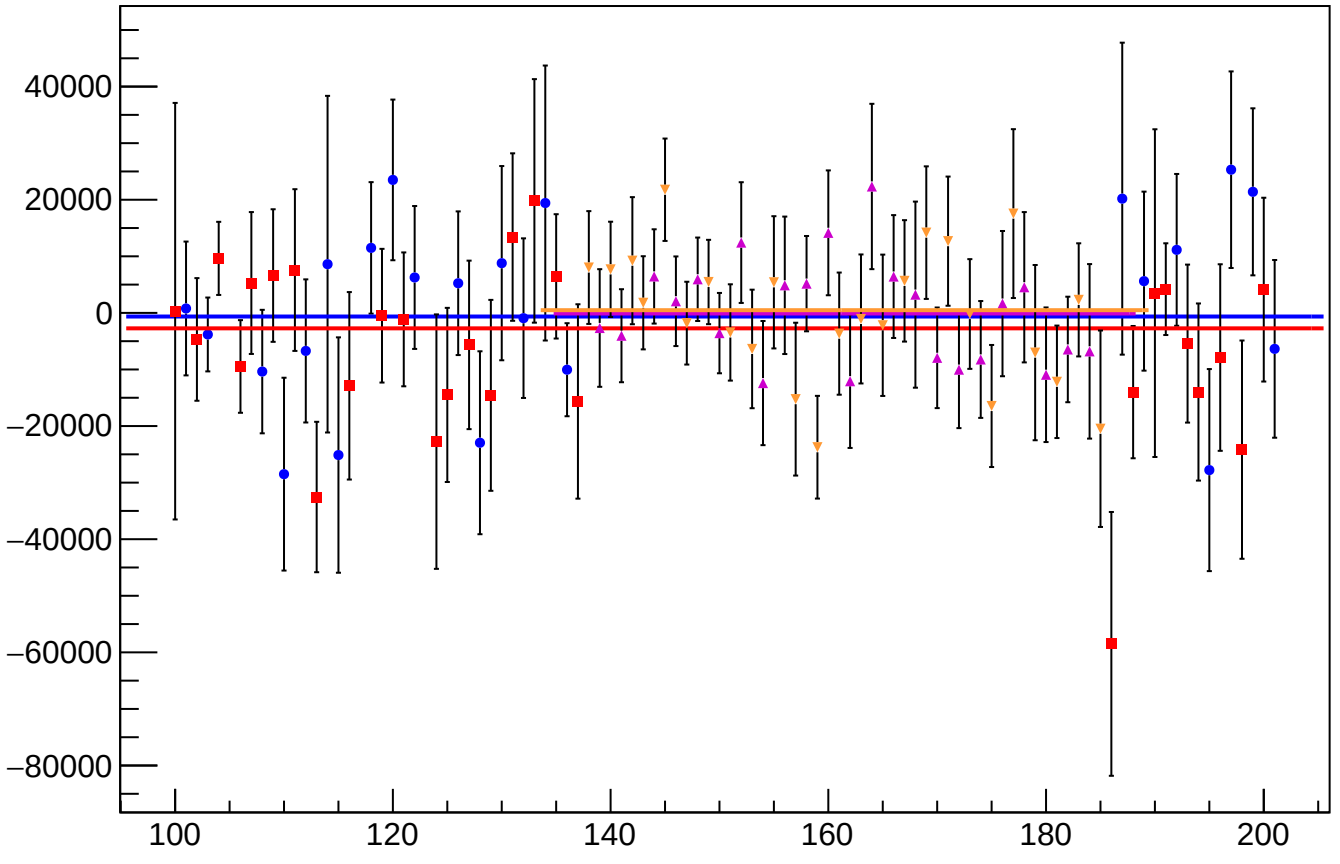
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2609.978+/-0.370 χ^2/NDF: 1416753.2/50

In: 2503.391+/-0.322 χ^2/NDF:832612.6/45

Out: 2502.631+/-0.312 χ^2/NDF:866032.8/52

All: 2502.999+/-0.224 χ^2/NDF: 1698648.3/98



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: -2731.273+/-2441.125 χ^2/NDF: 26.4/27

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

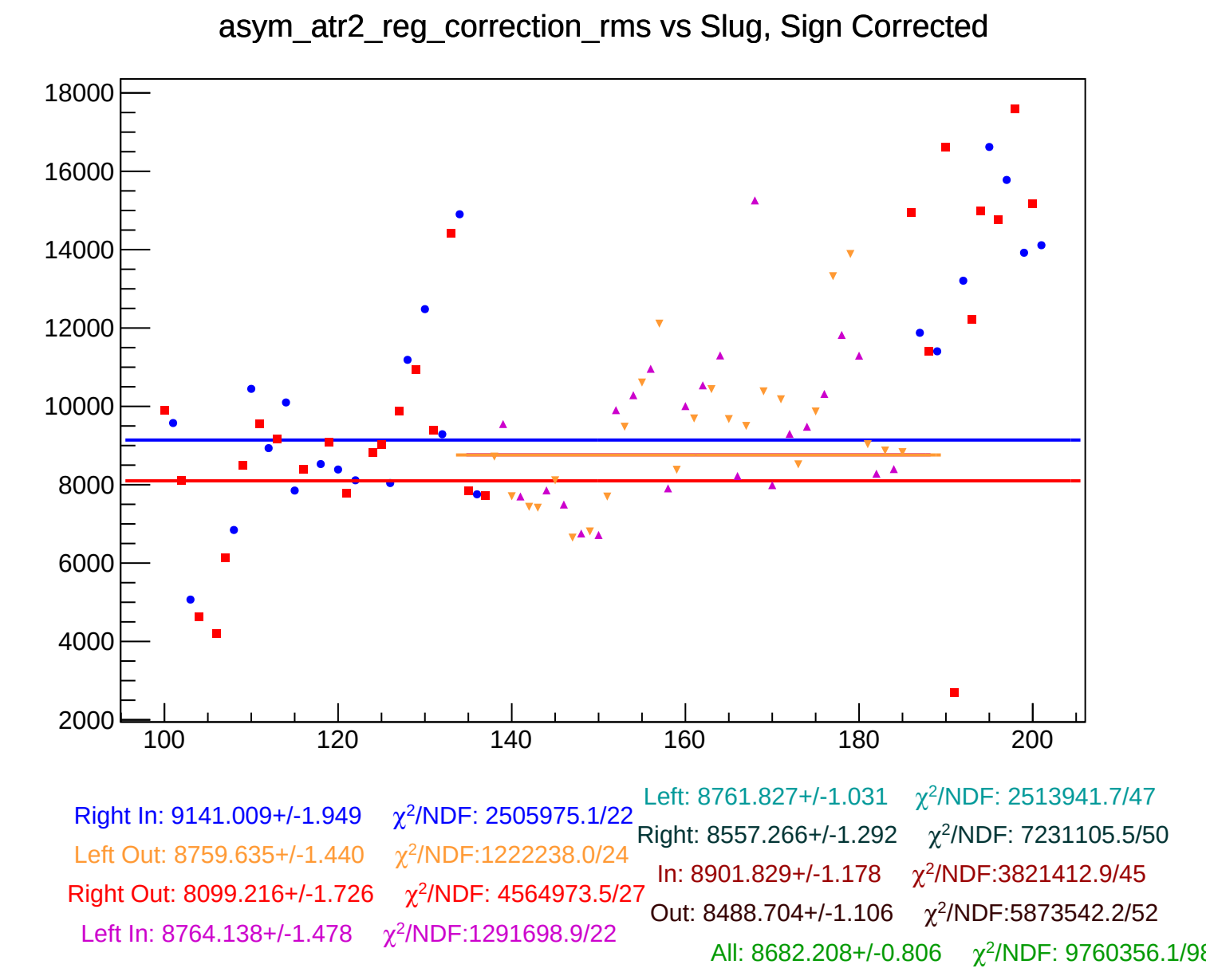
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1811.941+/-1827.300 χ^2/NDF: 49.2/50

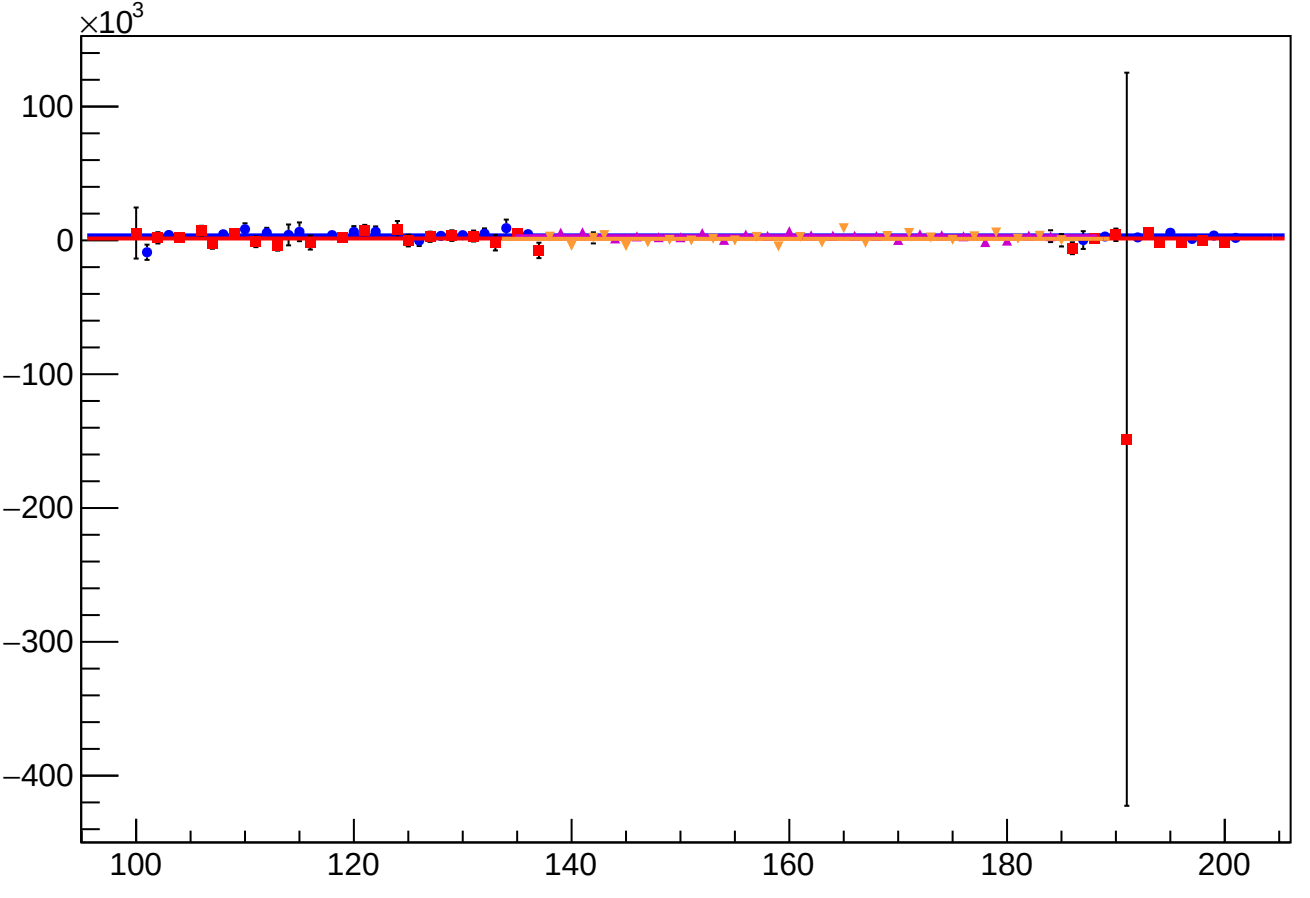
In: -300.558+/-1665.710 χ^2/NDF:37.0/45

Out: -839.051+/-1563.539 χ^2/NDF:54.8/52

All: -586.825+/-1139.999 χ^2/NDF: 91.9/98


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9141.009+/-1.949 χ²/NDF: 2505975.1/22
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 8099.216+/-1.726 χ²/NDF: 4564973.5/27
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 8557.266+/-1.292 χ²/NDF: 7231105.5/50
In: 8901.829+/-1.178 χ²/NDF:3821412.9/45
Out: 8488.704+/-1.106 χ²/NDF:5873542.2/52
All: 8682.208+/-0.806 χ²/NDF: 9760356.1/98

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: 1412.162+/-722.604 χ^2/NDF: 24.1/27

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

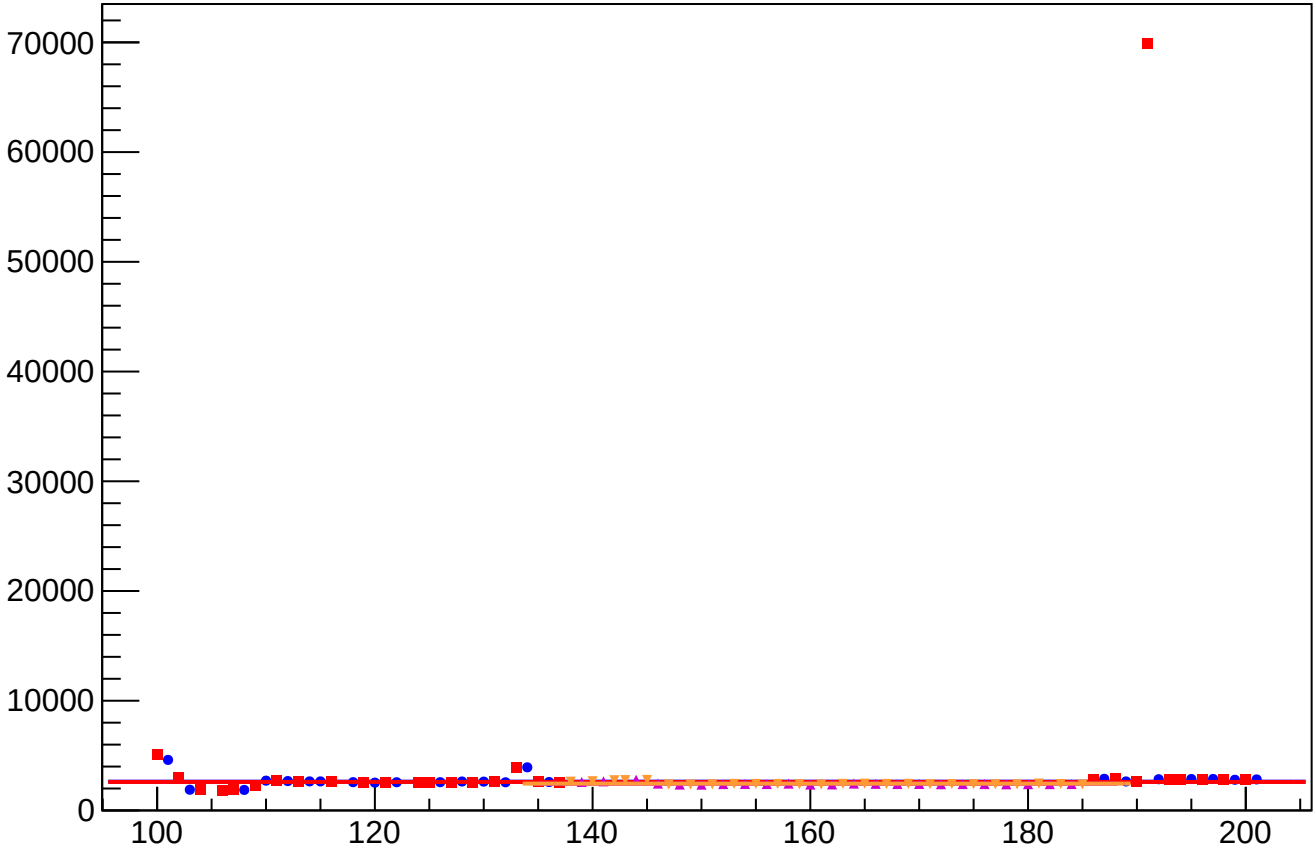
Right: 2521.902+/-522.593 χ^2/NDF: 40.3/50

In: 3361.011+/-454.885 χ^2/NDF:24.3/45

Out: 1271.824+/-440.775 χ^2/NDF:55.3/52

All: 2283.513+/-316.546 χ^2/NDF: 90.5/98

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: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

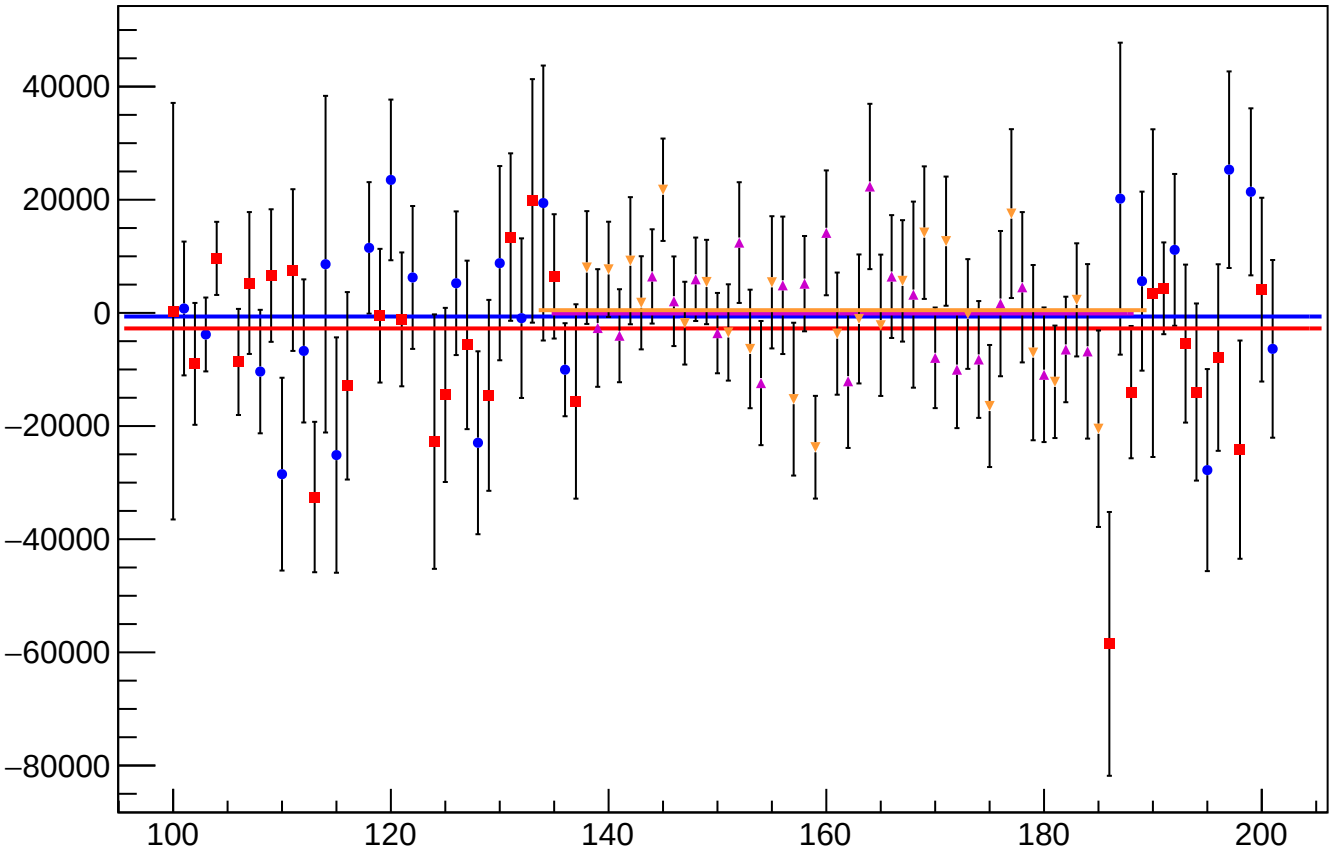
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2609.987+/-0.370 χ^2/NDF: 1416676.8/50

In: 2503.391+/-0.322 χ^2/NDF:832610.4/45

Out: 2502.637+/-0.312 χ^2/NDF:865972.2/52

All: 2503.002+/-0.224 χ^2/NDF: 1698585.5/98



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: -2745.908+/-2466.641 χ^2/NDF: 26.4/27

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

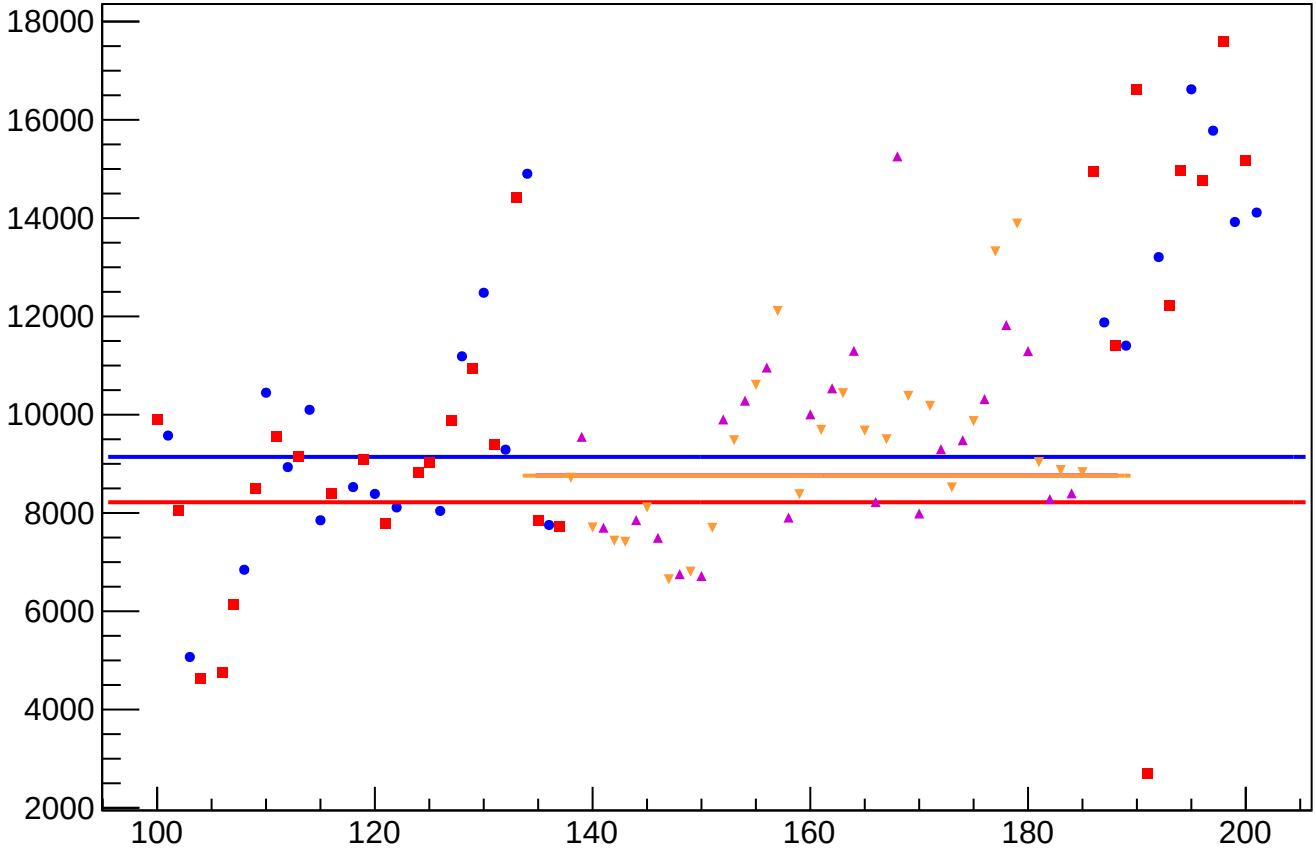
Right: -1809.213+/-1837.947 χ^2/NDF: 49.3/50

In: -300.473+/-1665.724 χ^2/NDF:37.0/45

Out: -828.860+/-1570.181 χ^2/NDF:54.8/52

All: -580.254+/-1142.570 χ^2/NDF: 91.9/98

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



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: 8218.708+/-1.744 χ^2/NDF: 4358686.6/27

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

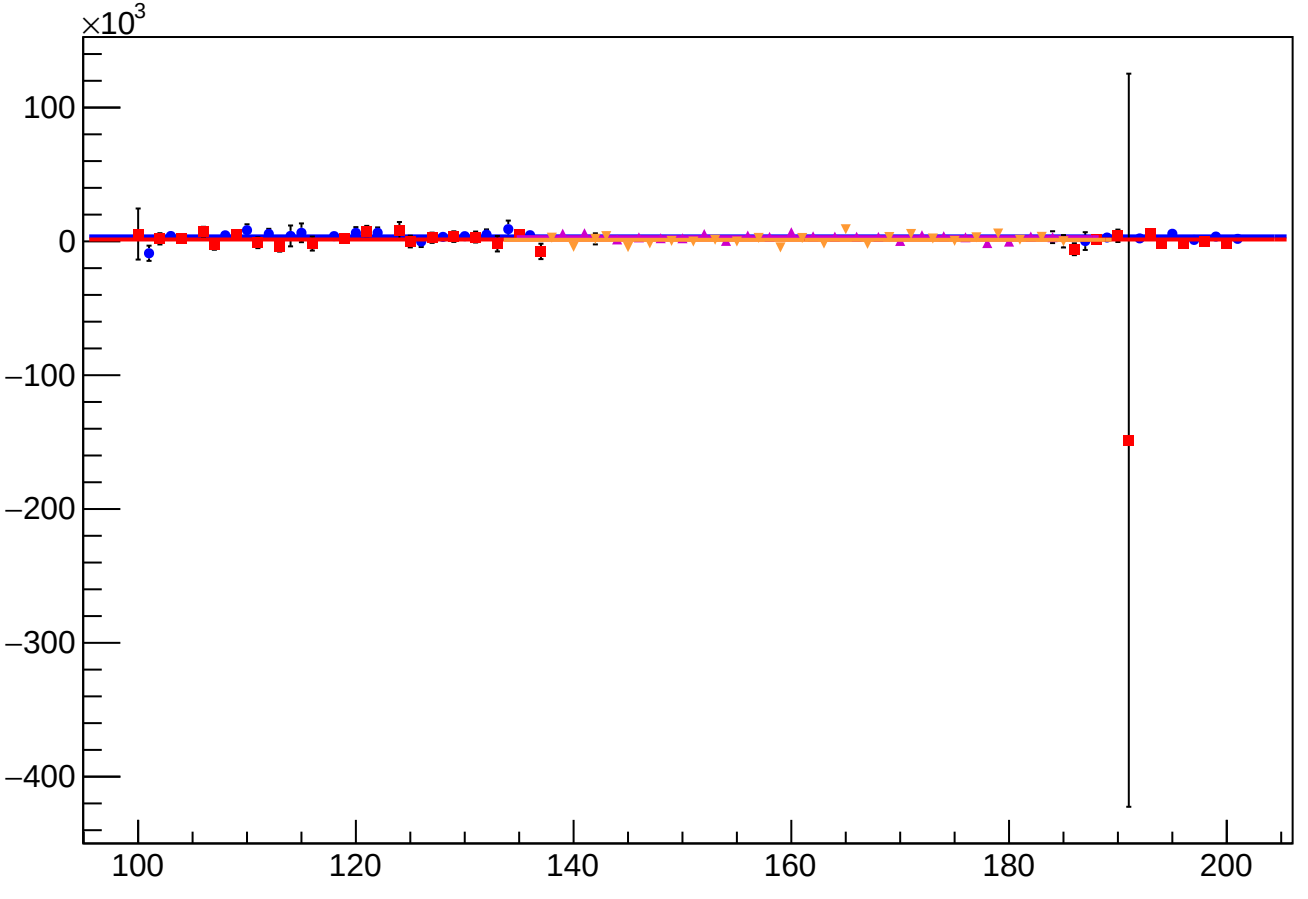
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8629.080+/-1.300 χ^2/NDF: 6988645.2/50

In: 8901.936+/-1.178 χ^2/NDF:3820980.5/45

Out: 8540.436+/-1.110 χ^2/NDF:5638141.1/52

All: 8710.521+/-0.808 χ^2/NDF: 9508999.4/98



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: 1412.162+/-722.604 χ^2/NDF: 24.1/27

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

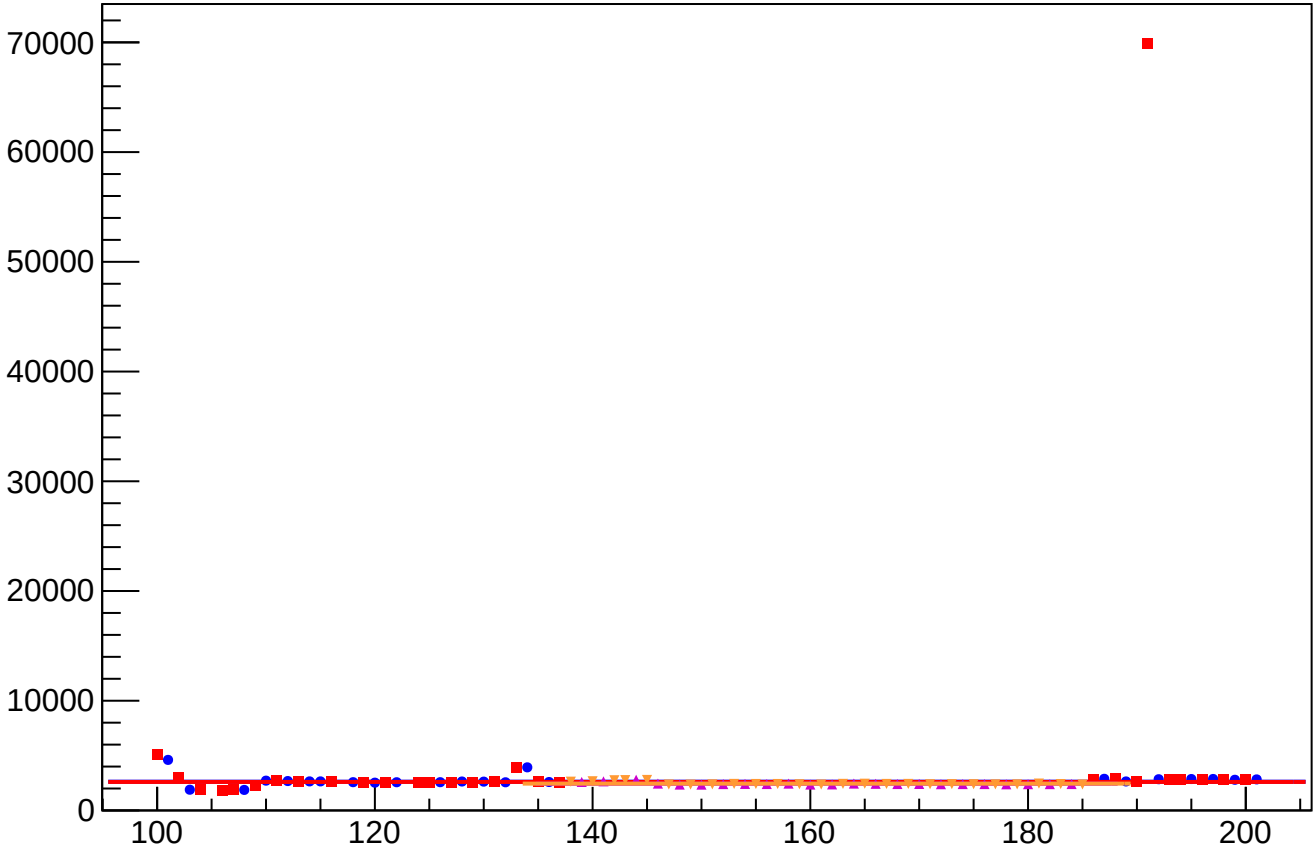
Right: 2521.902+/-522.593 χ^2/NDF: 40.3/50

In: 3361.011+/-454.885 χ^2/NDF:24.3/45

Out: 1271.824+/-440.775 χ^2/NDF:55.3/52

All: 2283.513+/-316.546 χ^2/NDF: 90.5/98

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: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

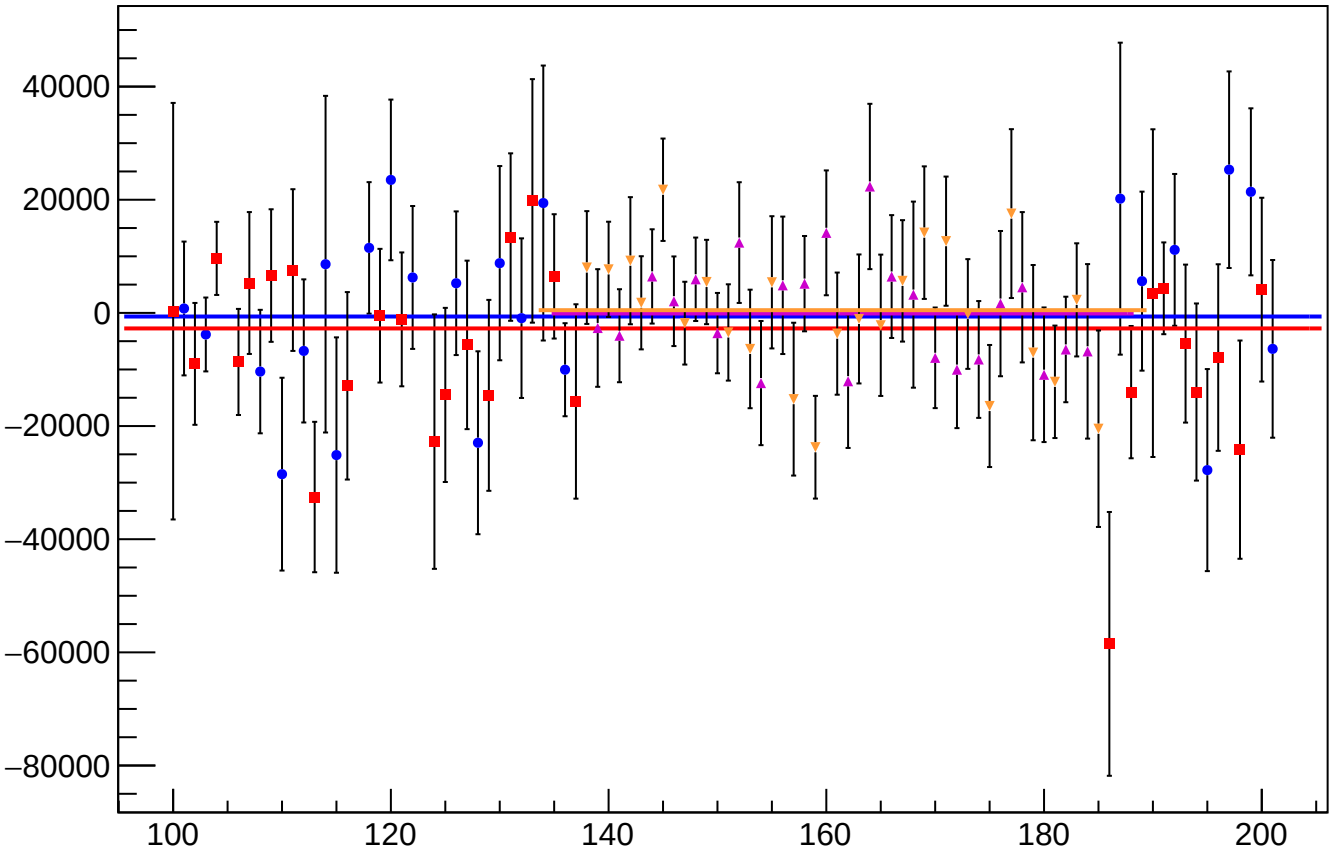
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2609.987+/-0.370 χ^2/NDF: 1416676.8/50

In: 2503.391+/-0.322 χ^2/NDF:832610.4/45

Out: 2502.637+/-0.312 χ^2/NDF:865972.2/52

All: 2503.002+/-0.224 χ^2/NDF: 1698585.5/98



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: -2745.908+/-2466.641 χ^2/NDF: 26.4/27

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

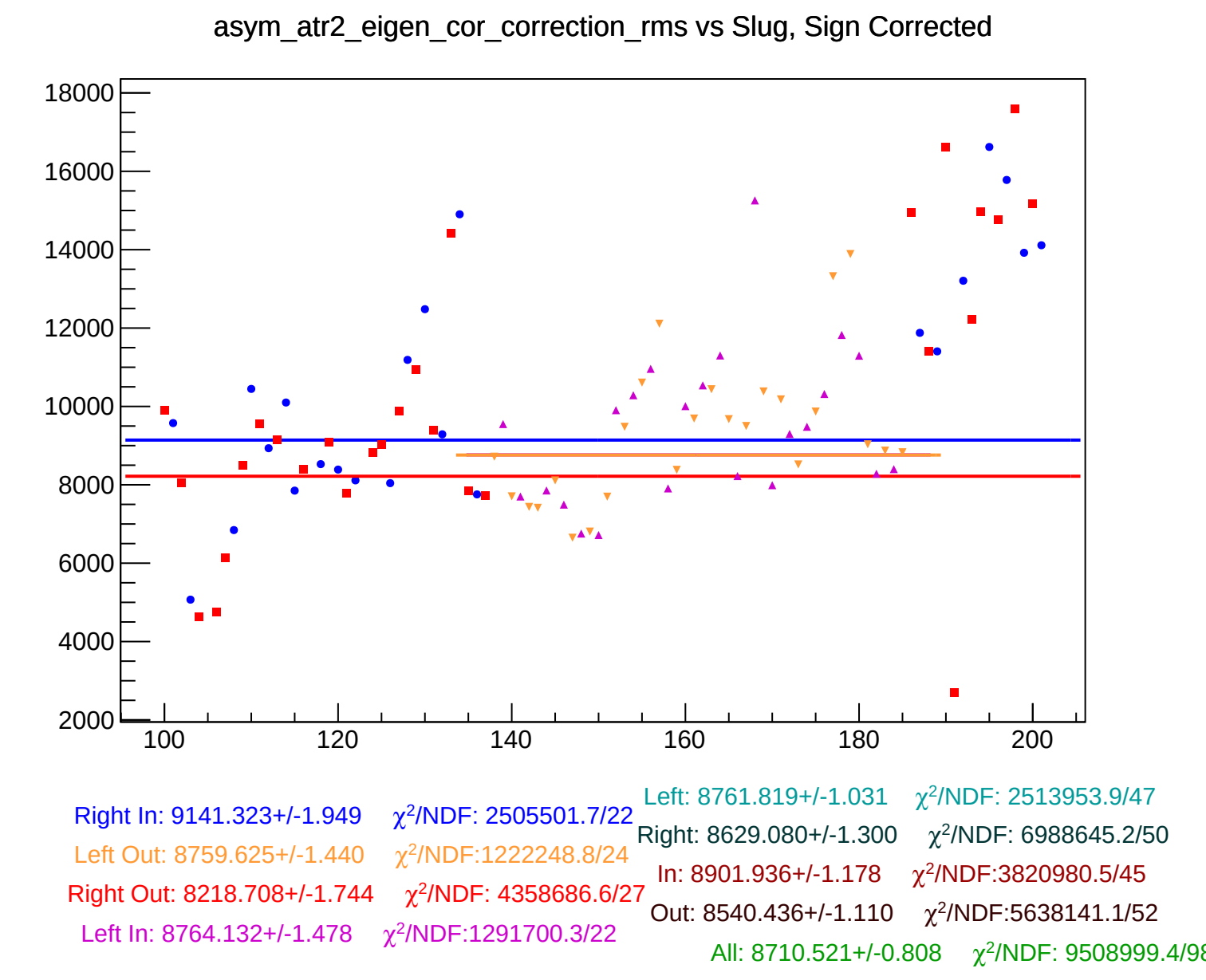
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

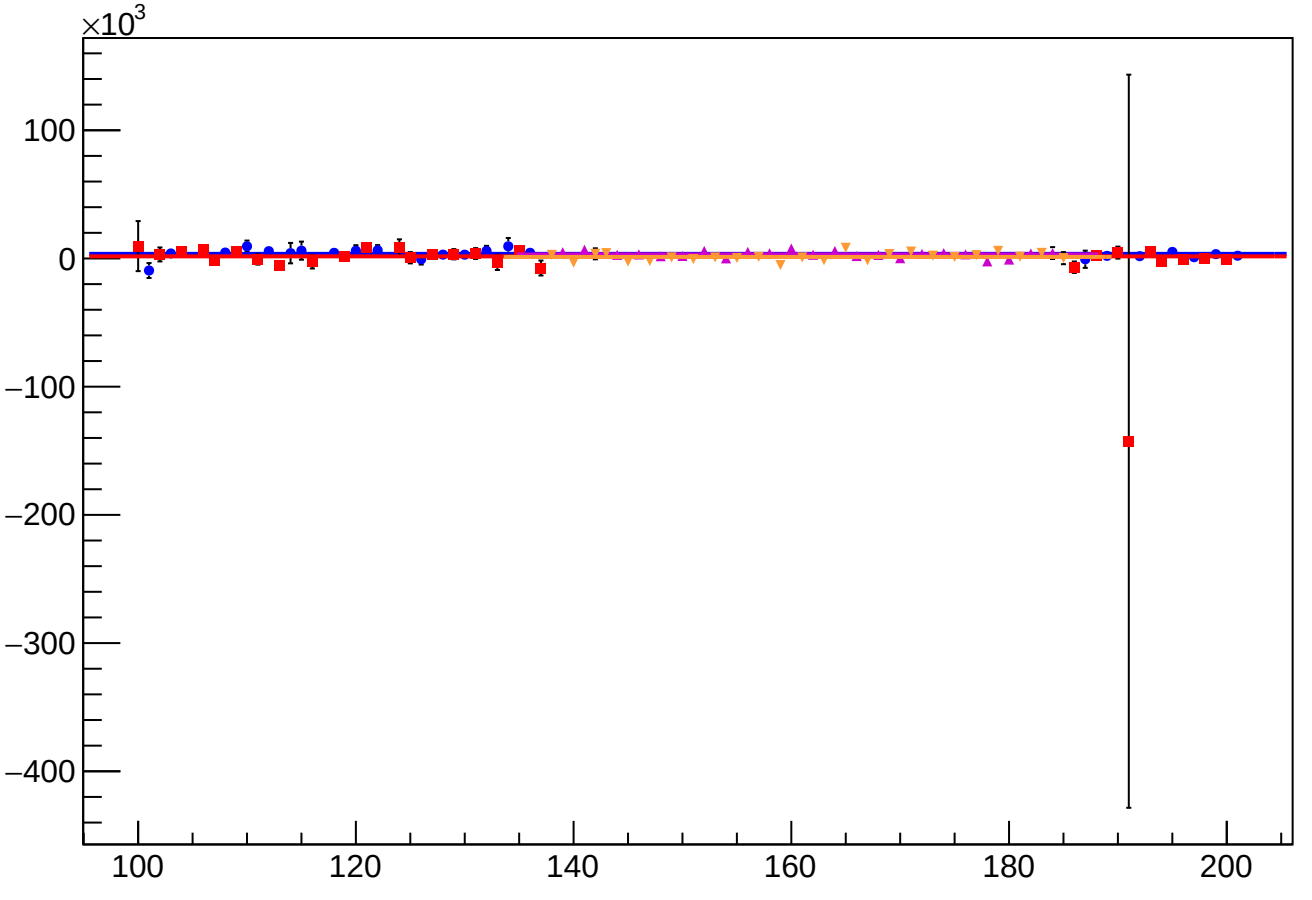
Right: -1809.213+/-1837.947 χ^2/NDF: 49.3/50

In: -300.473+/-1665.724 χ^2/NDF:37.0/45

Out: -828.860+/-1570.181 χ^2/NDF:54.8/52

All: -580.254+/-1142.570 χ^2/NDF: 91.9/98


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: 8218.708+/-1.744 χ²/NDF: 4358686.6/27
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 8629.080+/-1.300 χ²/NDF: 6988645.2/50
In: 8901.936+/-1.178 χ²/NDF:3820980.5/45
Out: 8540.436+/-1.110 χ²/NDF:5638141.1/52
All: 8710.521+/-0.808 χ²/NDF: 9508999.4/98



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: 1652.285+/-749.170 χ^2/NDF: 27.4/27

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

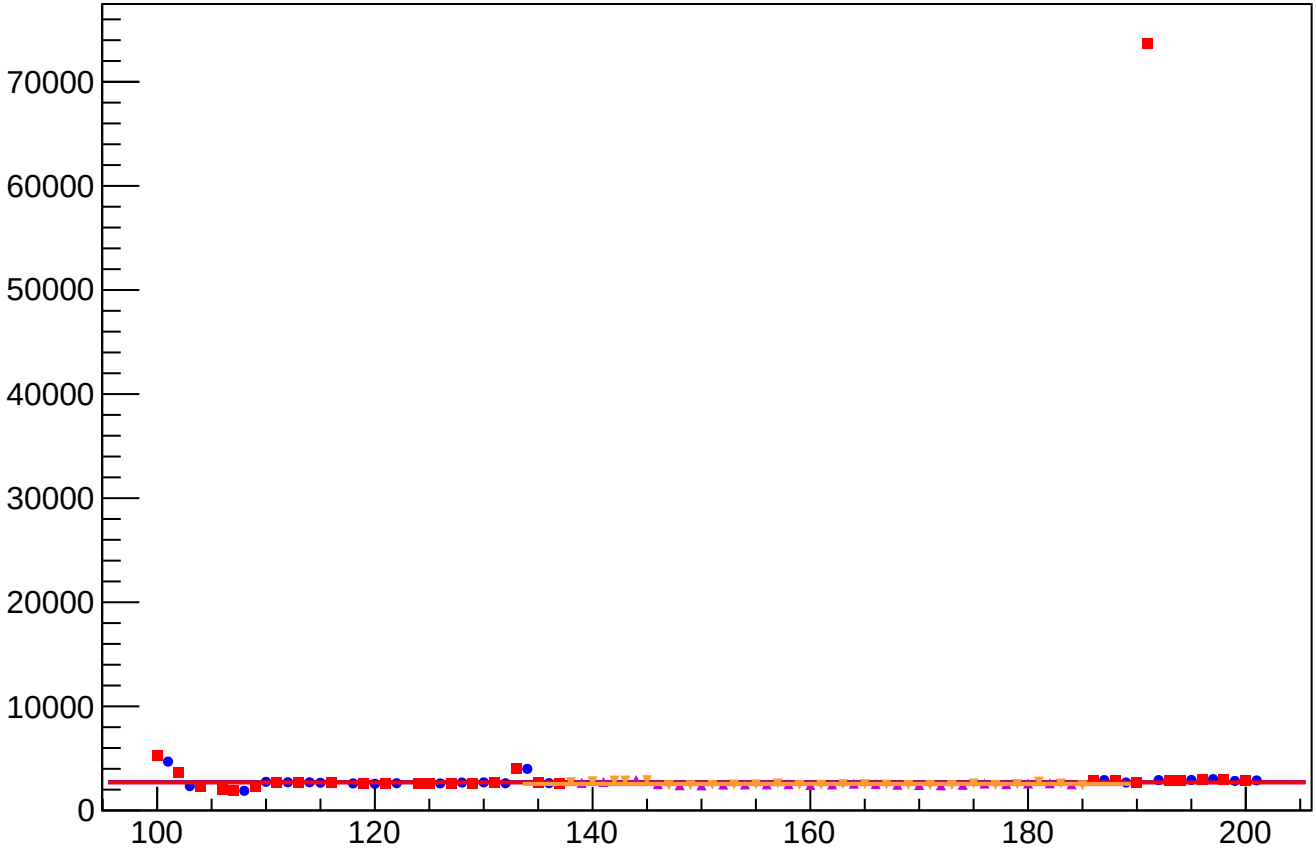
Right: 2583.648+/-541.217 χ^2/NDF: 43.1/50

In: 3314.070+/-472.220 χ^2/NDF:29.2/45

Out: 1378.062+/-458.469 χ^2/NDF:54.4/52

All: 2317.467+/-328.940 χ^2/NDF: 92.2/98

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: 2693.344+/-0.530 χ^2/NDF: 627000.8/27

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

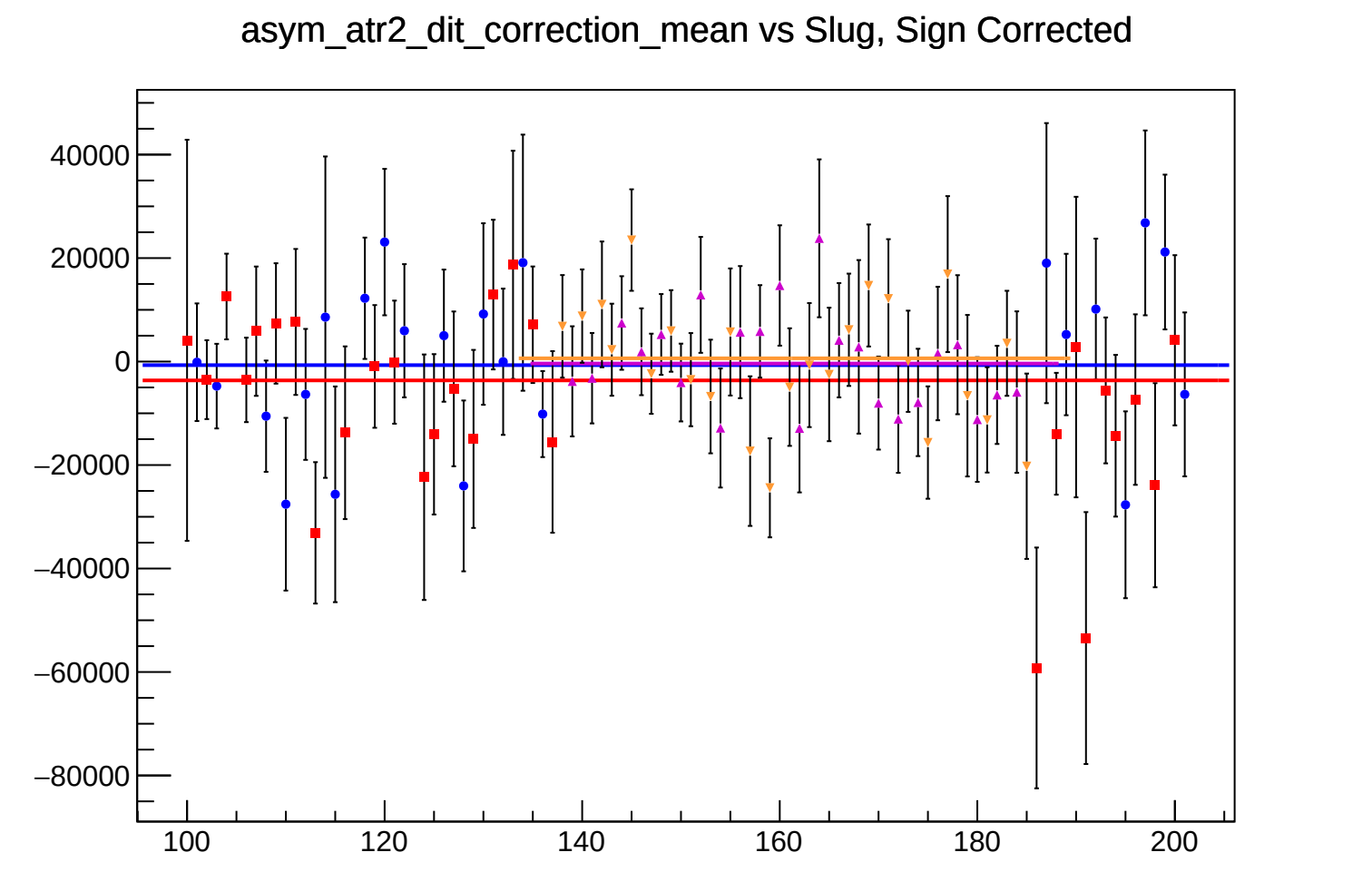
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2706.290+/-0.383 χ^2/NDF: 1177823.2/50

In: 2601.075+/-0.334 χ^2/NDF:691131.3/45

Out: 2601.928+/-0.324 χ^2/NDF:791955.7/52

All: 2601.514+/-0.233 χ^2/NDF: 1483090.3/98



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: -3641.320+/-2563.586 χ^2/NDF: 28.9/27

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

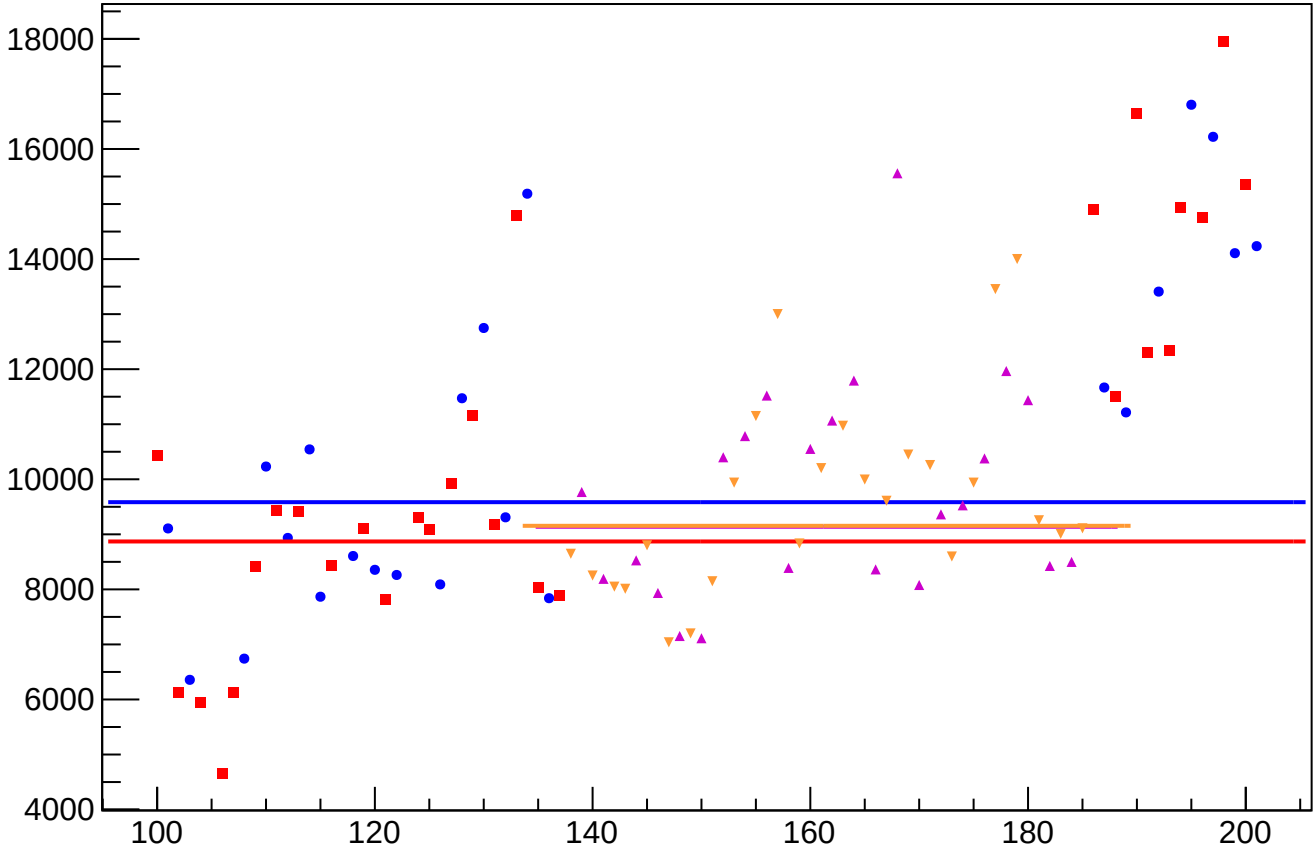
Right: -2325.889+/-1908.201 χ^2/NDF: 51.8/50

In: -493.067+/-1731.363 χ^2/NDF:36.6/45

Out: -1106.922+/-1635.151 χ^2/NDF:57.2/52

All: -817.524+/-1188.785 χ^2/NDF: 93.9/98

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



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: 8870.267+/-1.813 χ^2/NDF: 3209056.6/27

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

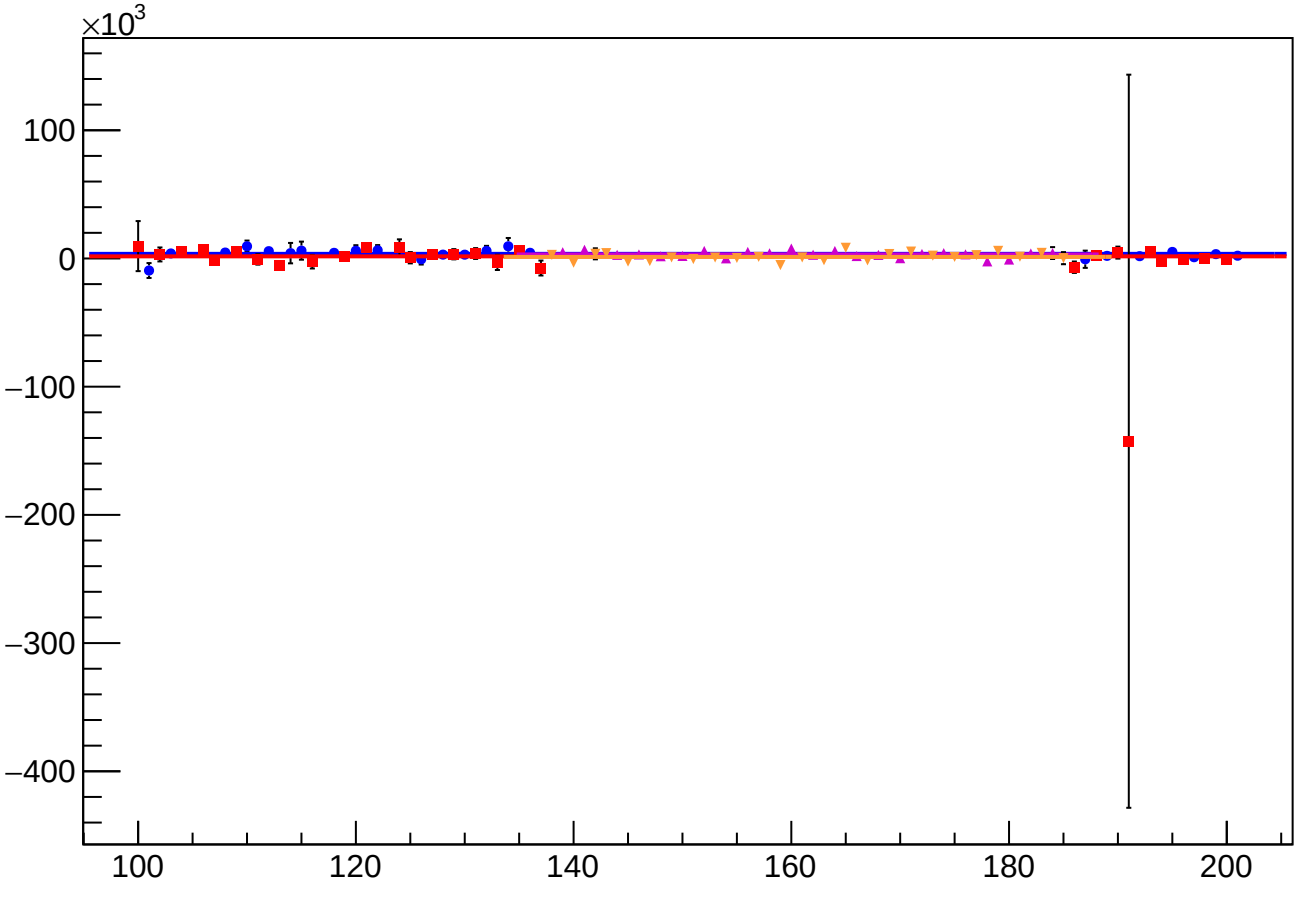
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9188.628+/-1.349 χ^2/NDF: 5258873.5/50

In: 9301.530+/-1.224 χ^2/NDF:3184360.6/45

Out: 9038.975+/-1.156 χ^2/NDF:4295733.2/52

All: 9162.755+/-0.841 χ^2/NDF: 7504403.9/98



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: 1652.291+/-749.170 χ^2/NDF: 27.4/27

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

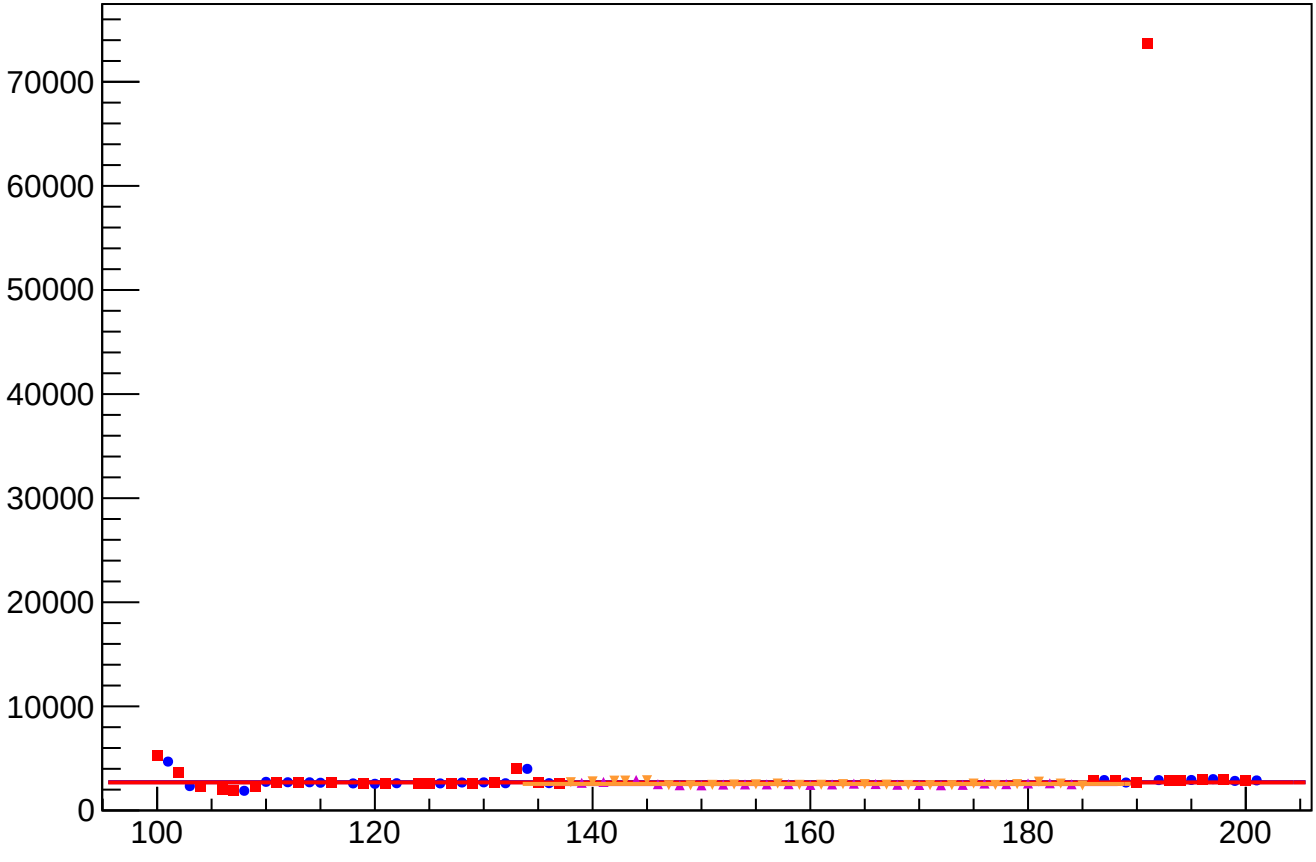
Right: 2583.652+/-541.217 χ^2/NDF: 43.1/50

In: 3314.071+/-472.220 χ^2/NDF:29.2/45

Out: 1378.058+/-458.469 χ^2/NDF:54.4/52

All: 2317.465+/-328.941 χ^2/NDF: 92.2/98

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: 2693.345+/-0.530 χ^2/NDF: 627000.7/27

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

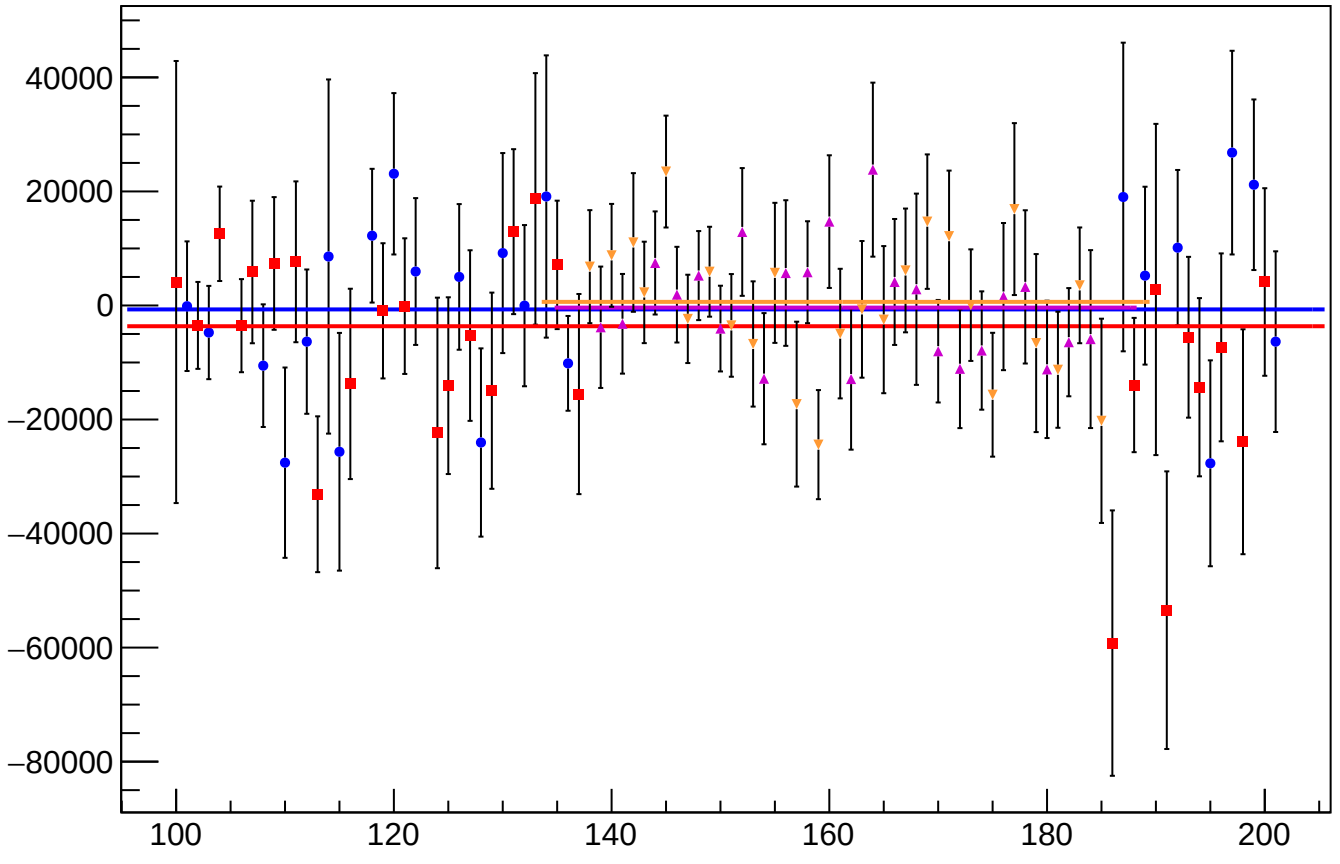
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2706.290+/-0.383 χ^2/NDF: 1177823.6/50

In: 2601.076+/-0.334 χ^2/NDF:691129.6/45

Out: 2601.929+/-0.324 χ^2/NDF:791954.5/52

All: 2601.515+/-0.233 χ^2/NDF: 1483087.5/98



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: -3641.309+/-2563.583 χ^2/NDF: 28.9/27

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

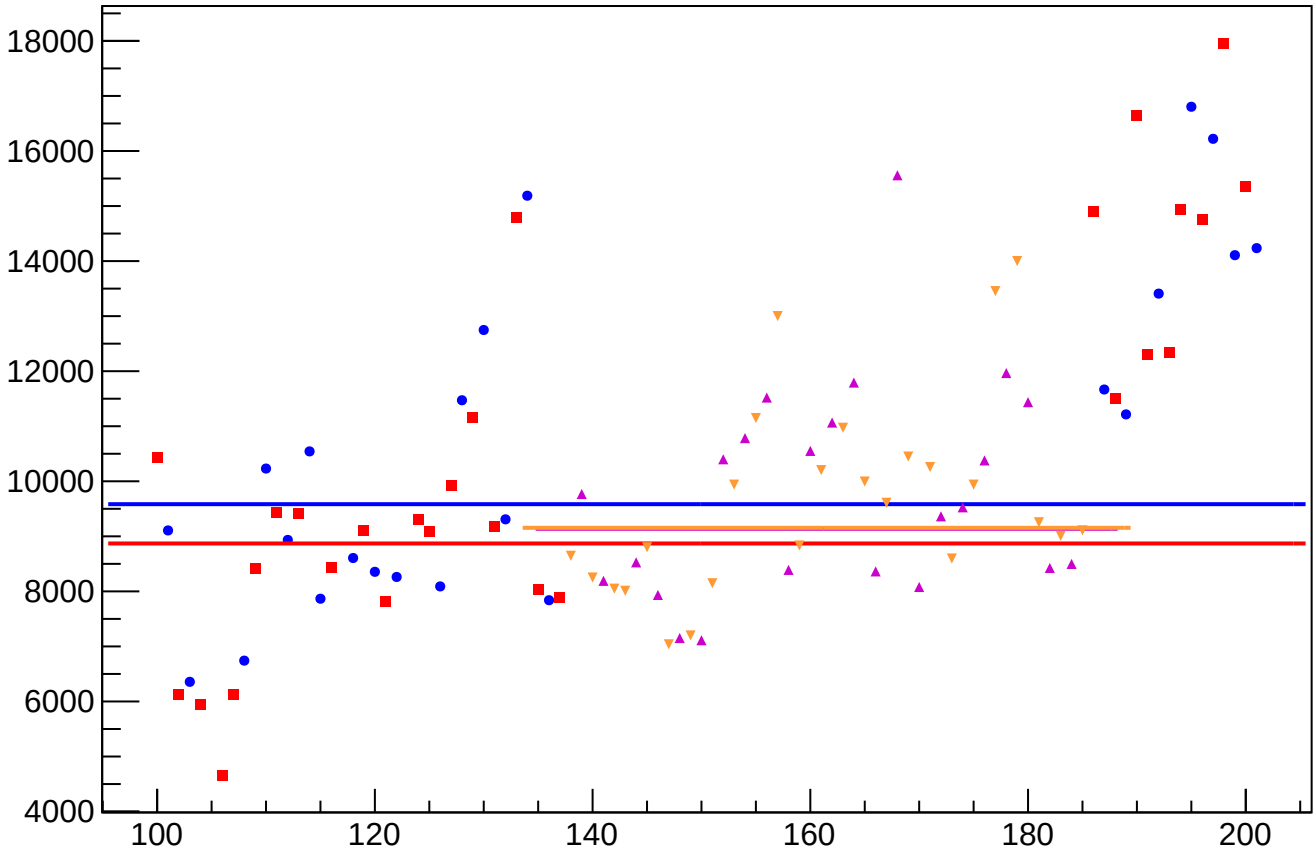
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2325.874+/-1908.199 χ^2/NDF: 51.8/50

In: -493.062+/-1731.364 χ^2/NDF:36.6/45

Out: -1106.926+/-1635.152 χ^2/NDF:57.2/52

All: -817.523+/-1188.786 χ^2/NDF: 93.9/98



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: 8870.255+/-1.813 χ^2/NDF: 3209065.3/27

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

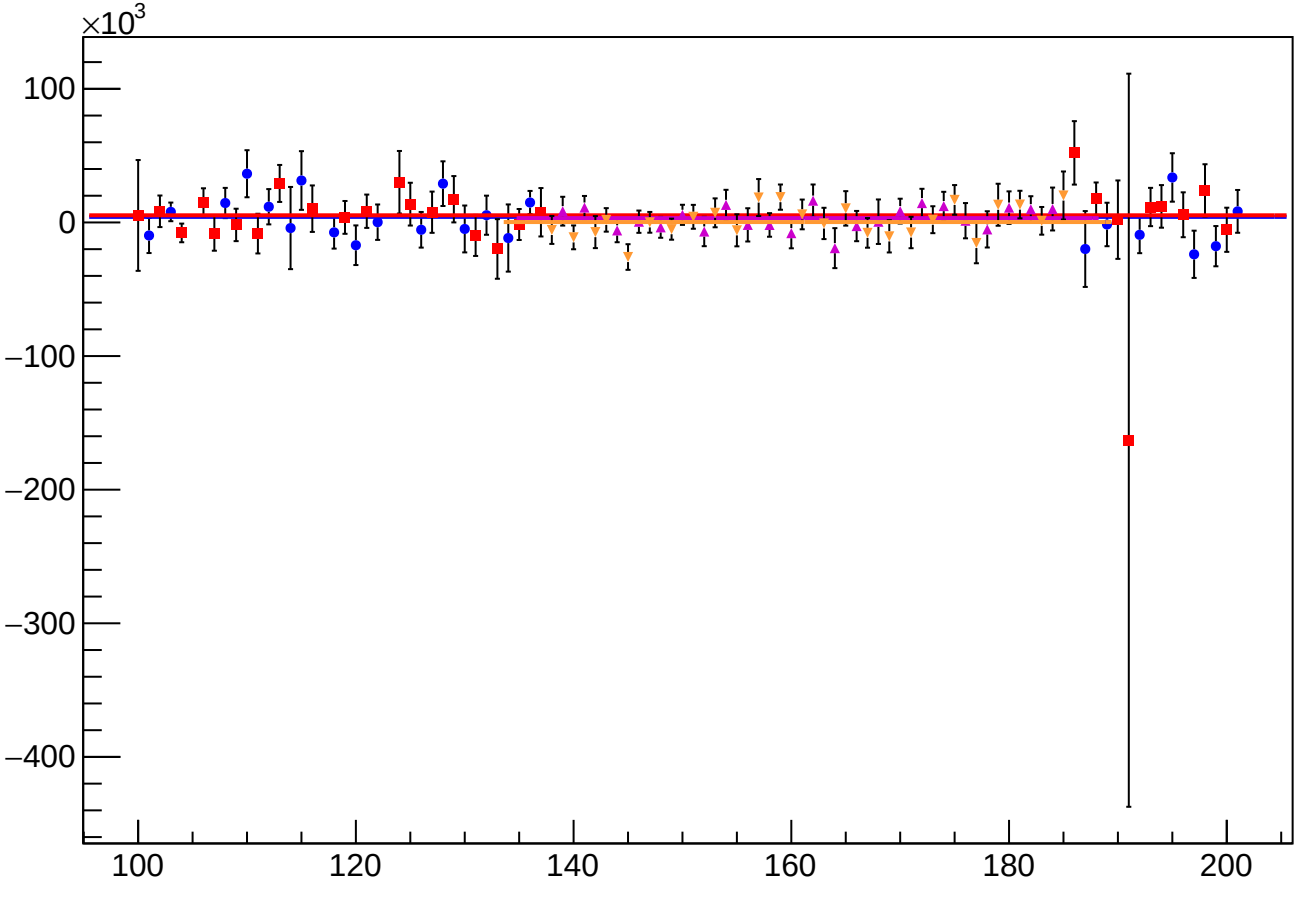
Right: 9188.618+/-1.349 χ^2/NDF: 5258889.6/50

In: 9301.536+/-1.224 χ^2/NDF:3184368.0/45

Out: 9038.979+/-1.156 χ^2/NDF:4295746.7/52

All: 9162.760+/-0.841 χ^2/NDF: 7504425.1/98

asym_atr2_mean vs Slug, Sign Corrected



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: 5346.259+/-2725.636 χ^2/NDF: 21.4/27

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

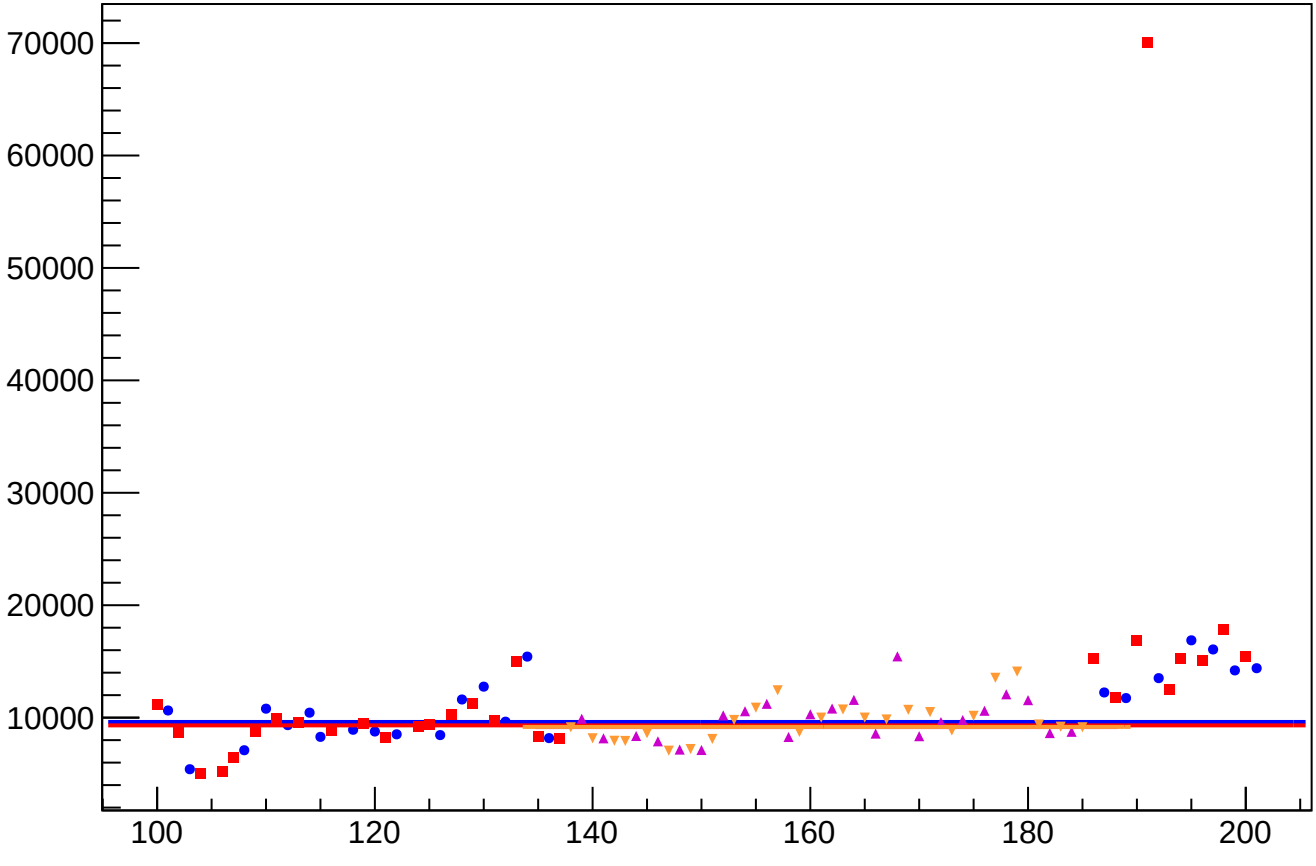
Right: 4793.166+/-1981.223 χ^2/NDF: 46.2/50

In: 3575.259+/-1739.183 χ^2/NDF:38.3/45

Out: 2205.049+/-1676.052 χ^2/NDF:49.9/52

All: 2864.834+/-1206.849 χ^2/NDF: 88.5/98

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: 9311.209+/-1.927 χ^2/NDF: 3121062.7/27

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

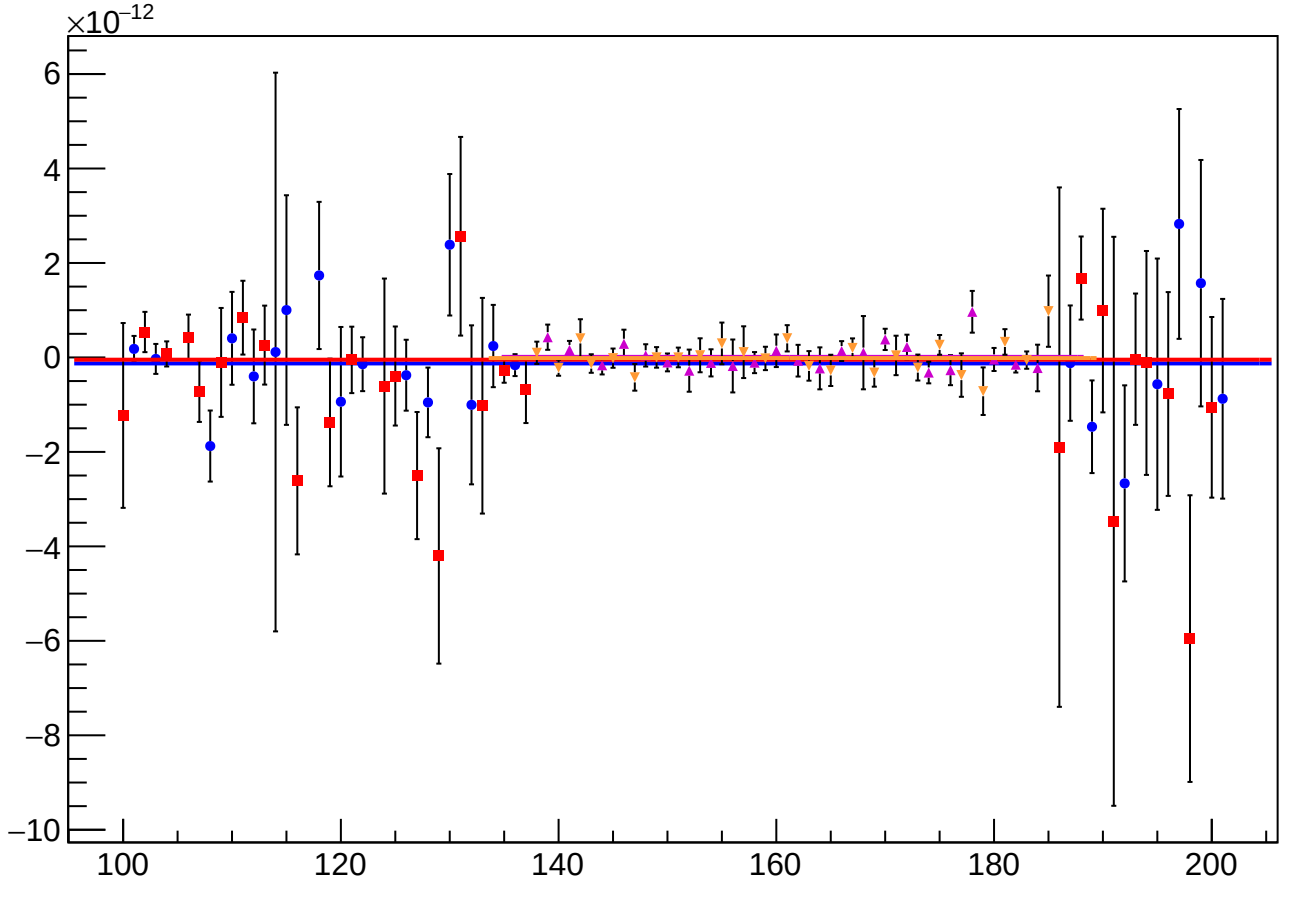
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9454.468+/-1.401 χ^2/NDF: 5449292.6/50

In: 9326.801+/-1.230 χ^2/NDF:3475395.9/45

Out: 9225.154+/-1.185 χ^2/NDF:4181215.7/52

All: 9274.099+/-0.853 χ^2/NDF: 7660153.7/98



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: 28.4/27

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

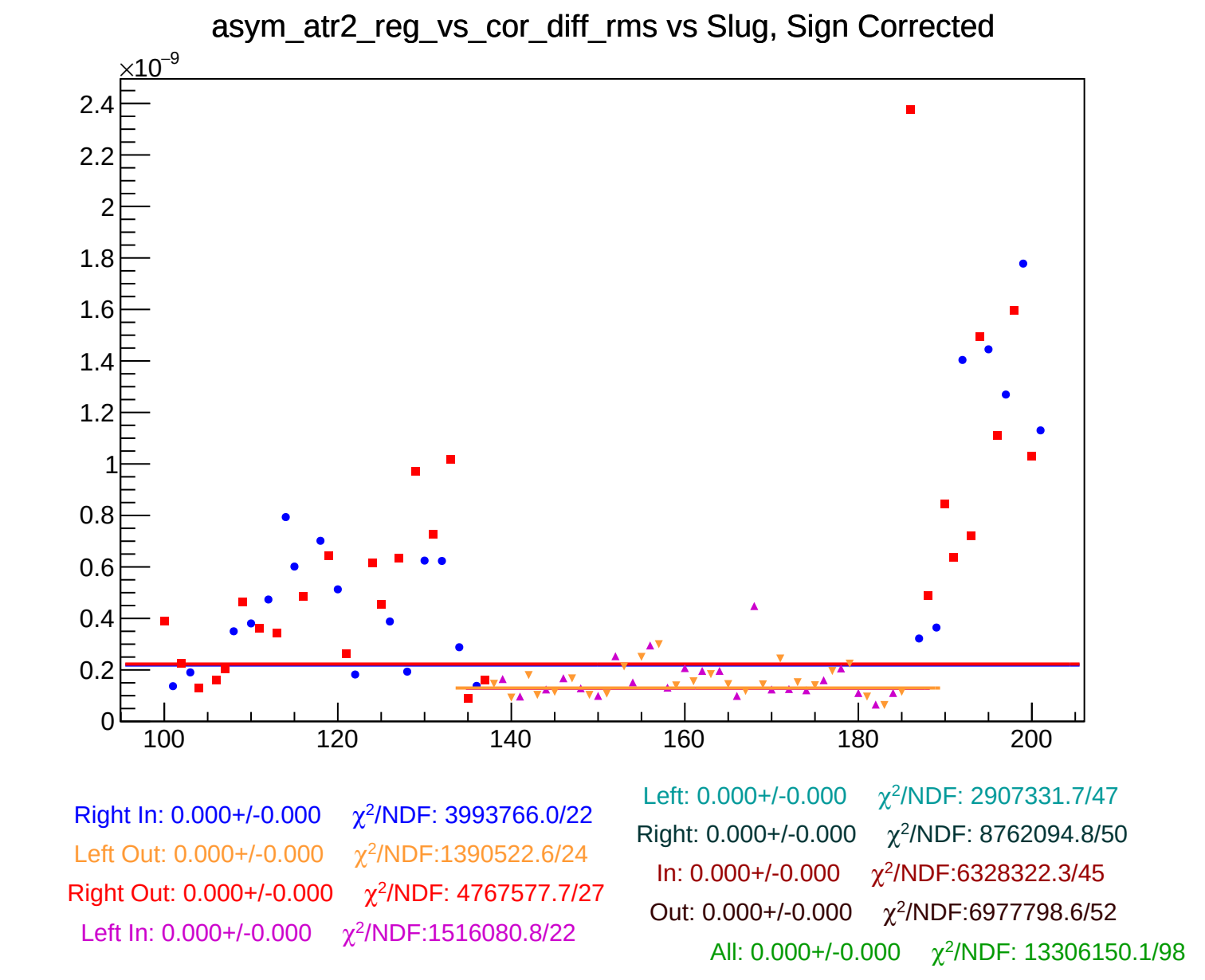
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

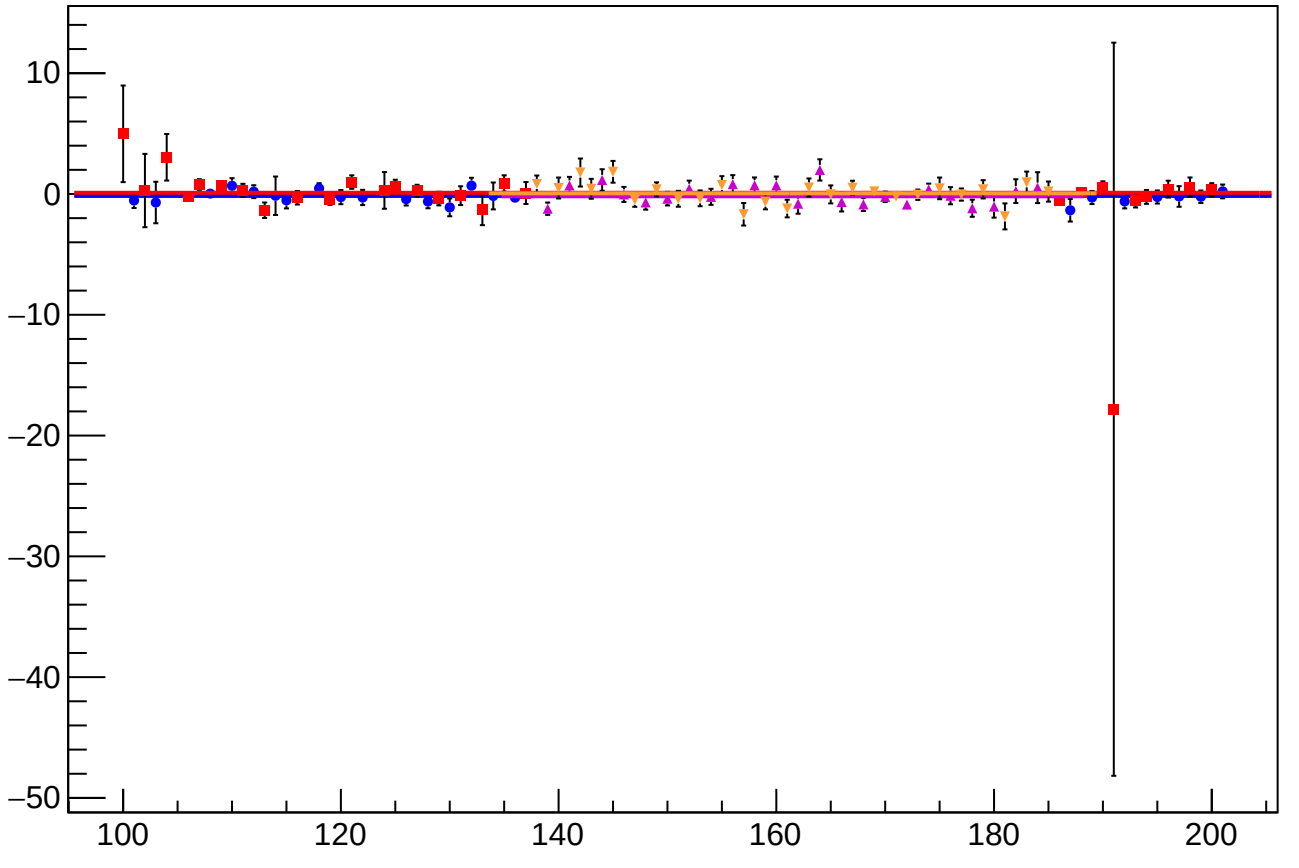
Right: -0.000+/-0.000 χ^2/NDF: 47.6/50

In: -0.000+/-0.000 χ^2/NDF:39.2/45

Out: -0.000+/-0.000 χ^2/NDF:47.8/52

All: -0.000+/-0.000 χ^2/NDF: 87.0/98


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: 4767577.7/27
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: 8762094.8/50
In: 0.000+/-0.000 χ²/NDF:6328322.3/45
Out: 0.000+/-0.000 χ²/NDF:6977798.6/52
All: 0.000+/-0.000 χ²/NDF: 13306150.1/98



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: 0.101+/-0.100 χ^2/NDF: 31.6/27

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

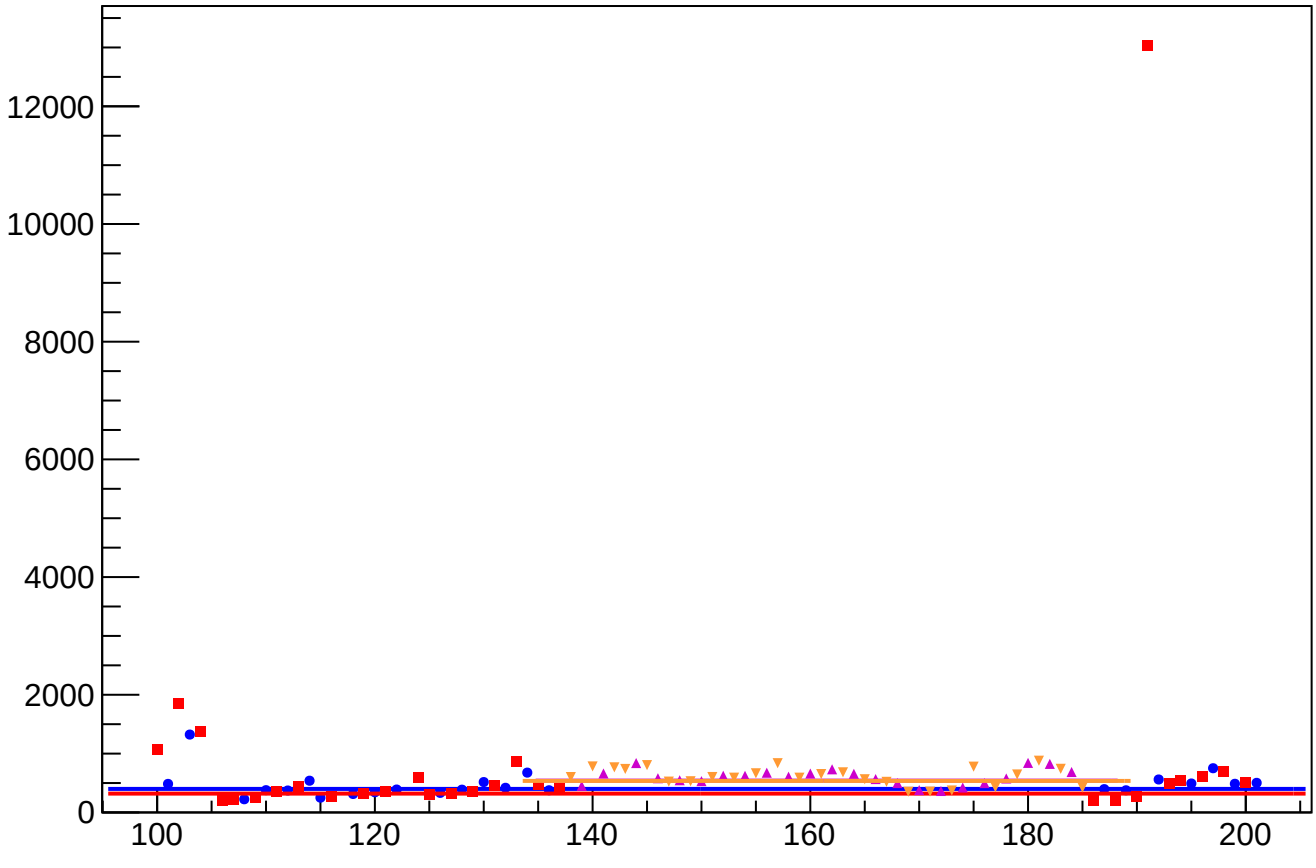
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.004+/-0.078 χ^2/NDF: 46.9/50

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.029+/-0.060 χ^2/NDF: 104.7/98



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: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

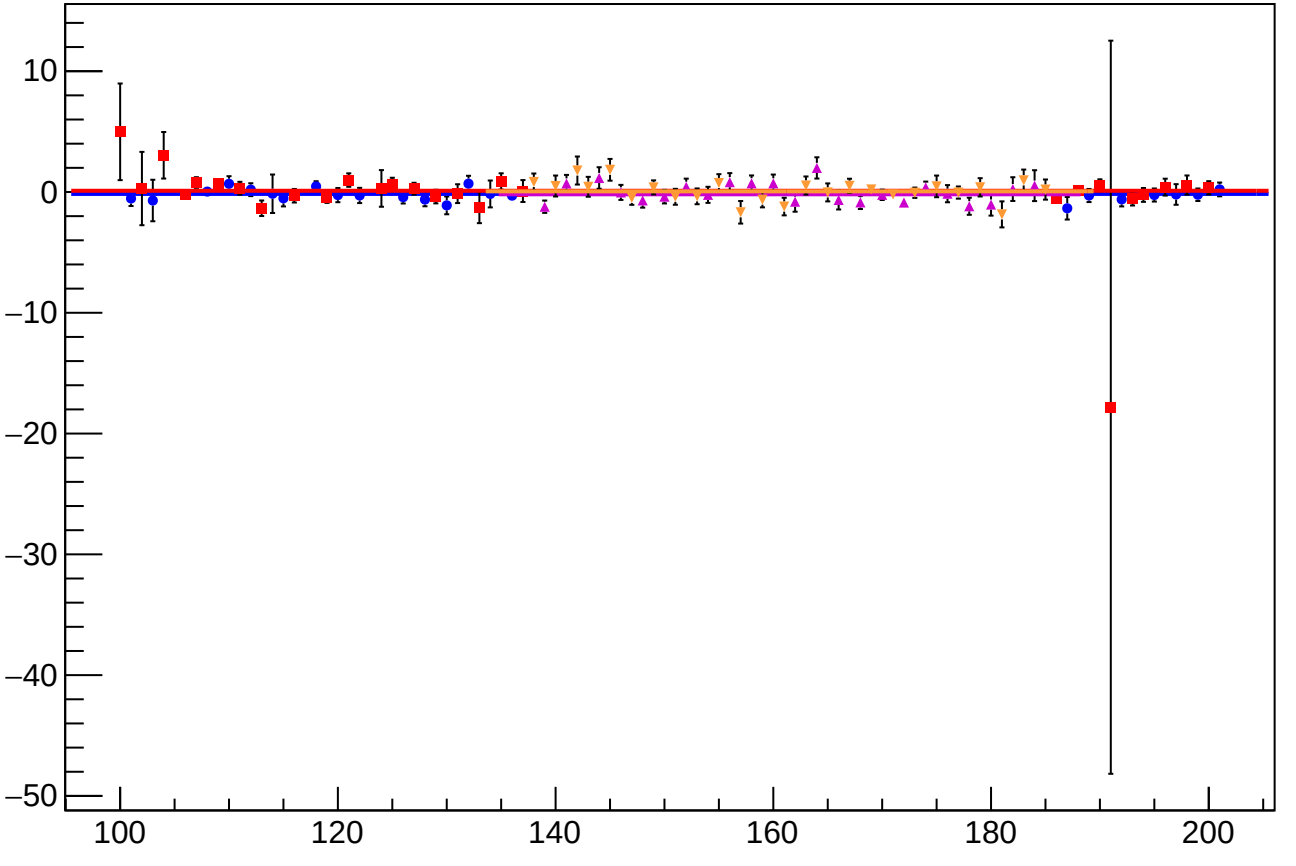
Right: 352.465+/-0.055 χ^2/NDF: 7675428.1/50

In: 464.545+/-0.064 χ^2/NDF:5303868.5/45

Out: 401.226+/-0.056 χ^2/NDF:11190972.8/52

All: 428.876+/-0.042 χ^2/NDF: 17051552.8/98

asym_atr2_dit_vs_eigen_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: 0.101+/-0.100 χ^2/NDF: 31.6/27

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

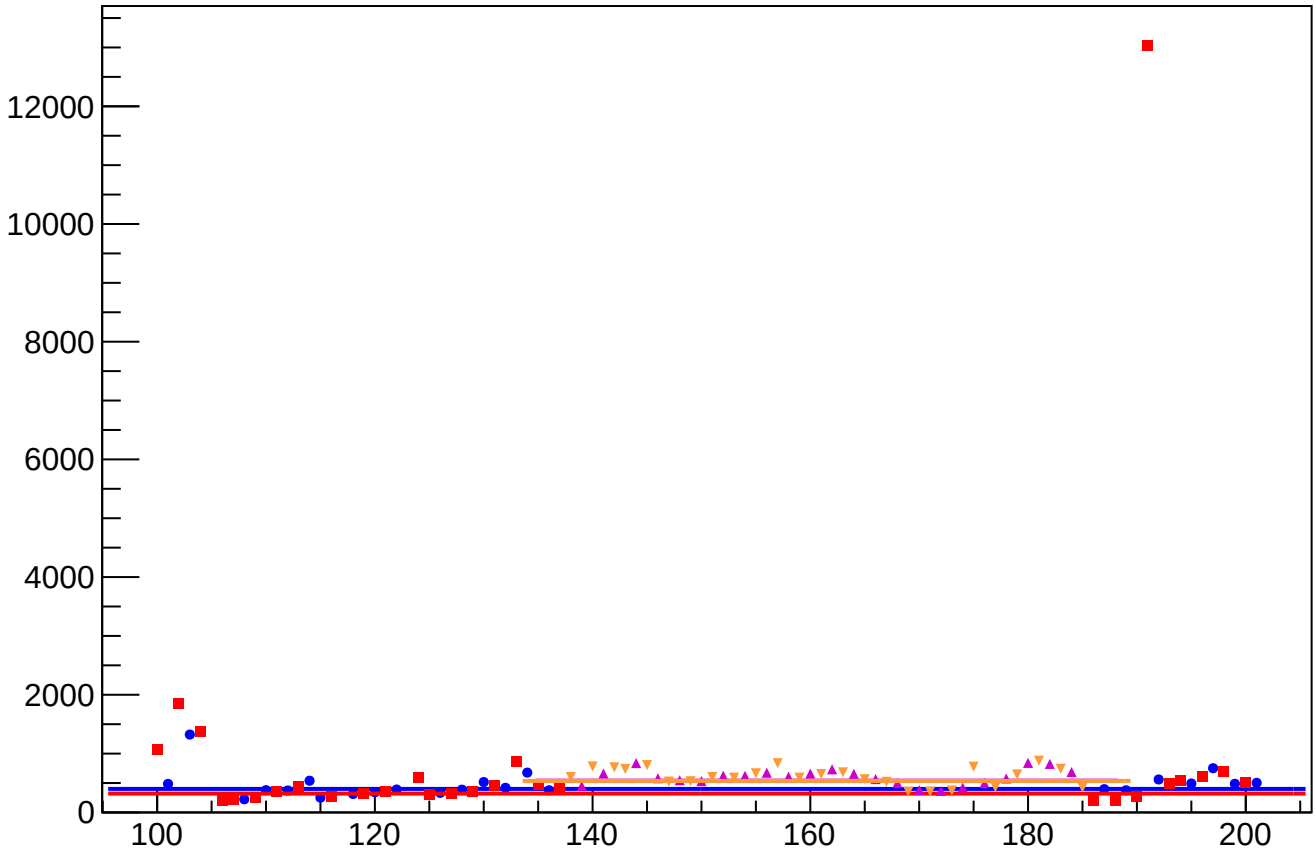
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.004+/-0.078 χ^2/NDF: 46.9/50

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.029+/-0.060 χ^2/NDF: 104.7/98



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: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

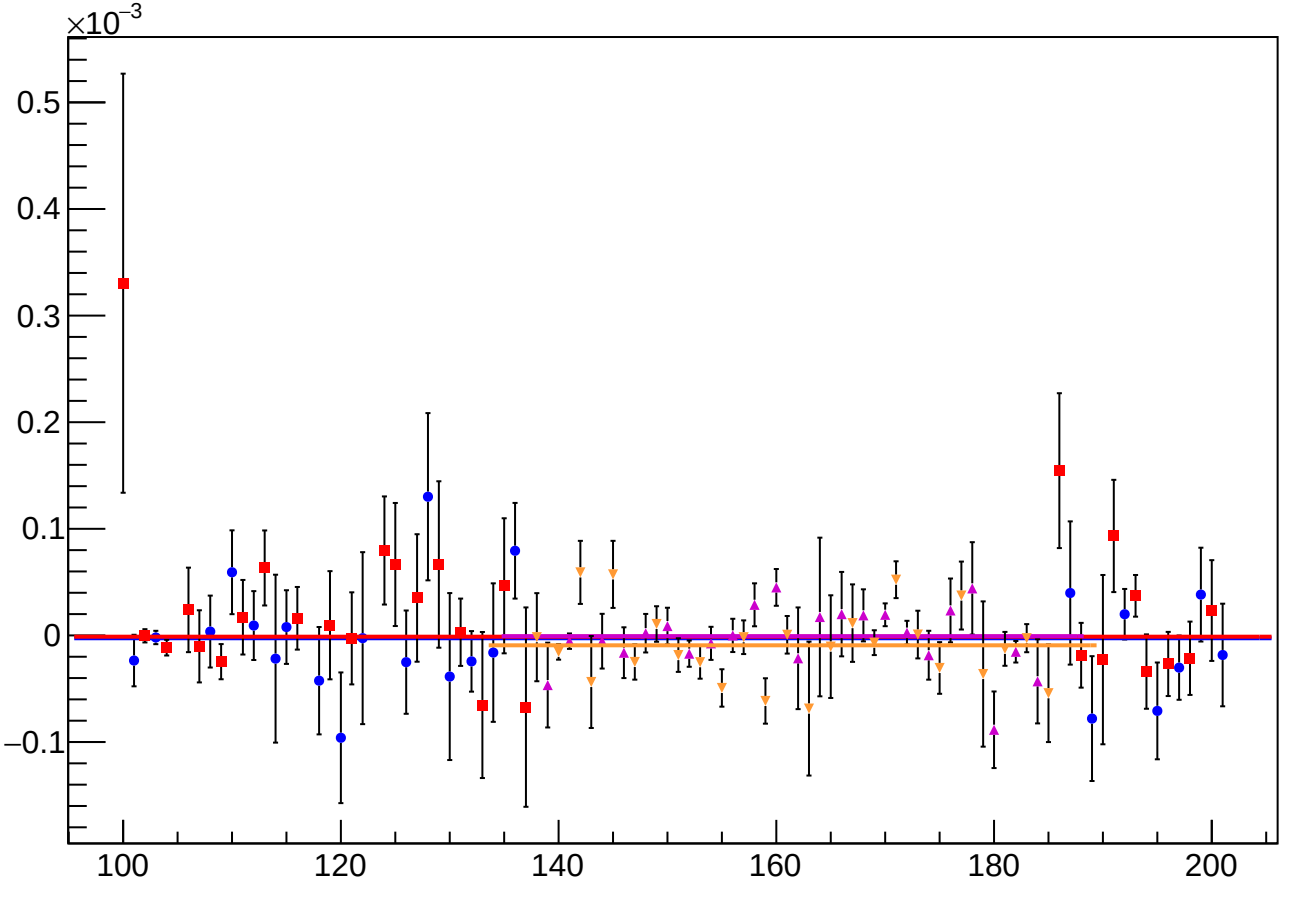
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 352.465+/-0.055 χ^2/NDF: 7675428.1/50

In: 464.545+/-0.064 χ^2/NDF:5303868.5/45

Out: 401.226+/-0.056 χ^2/NDF:11190972.8/52

All: 428.876+/-0.042 χ^2/NDF: 17051552.8/98



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: 32.6/27

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

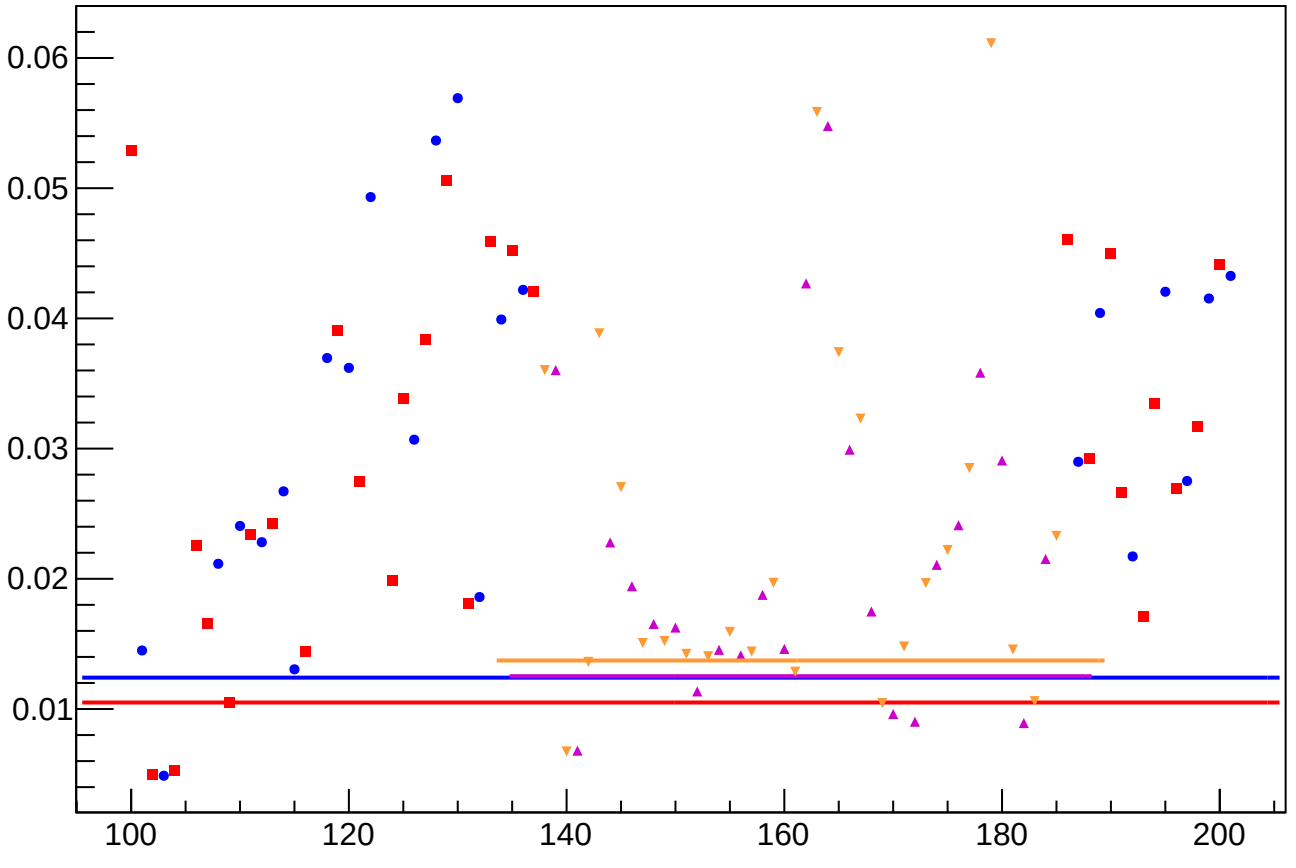
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.5/50

In: -0.000+/-0.000 χ^2/NDF:50.9/45

Out: -0.000+/-0.000 χ^2/NDF:80.1/52

All: -0.000+/-0.000 χ^2/NDF: 132.2/98



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: 0.010+/-0.000 χ^2/NDF: 12577706.5/27

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

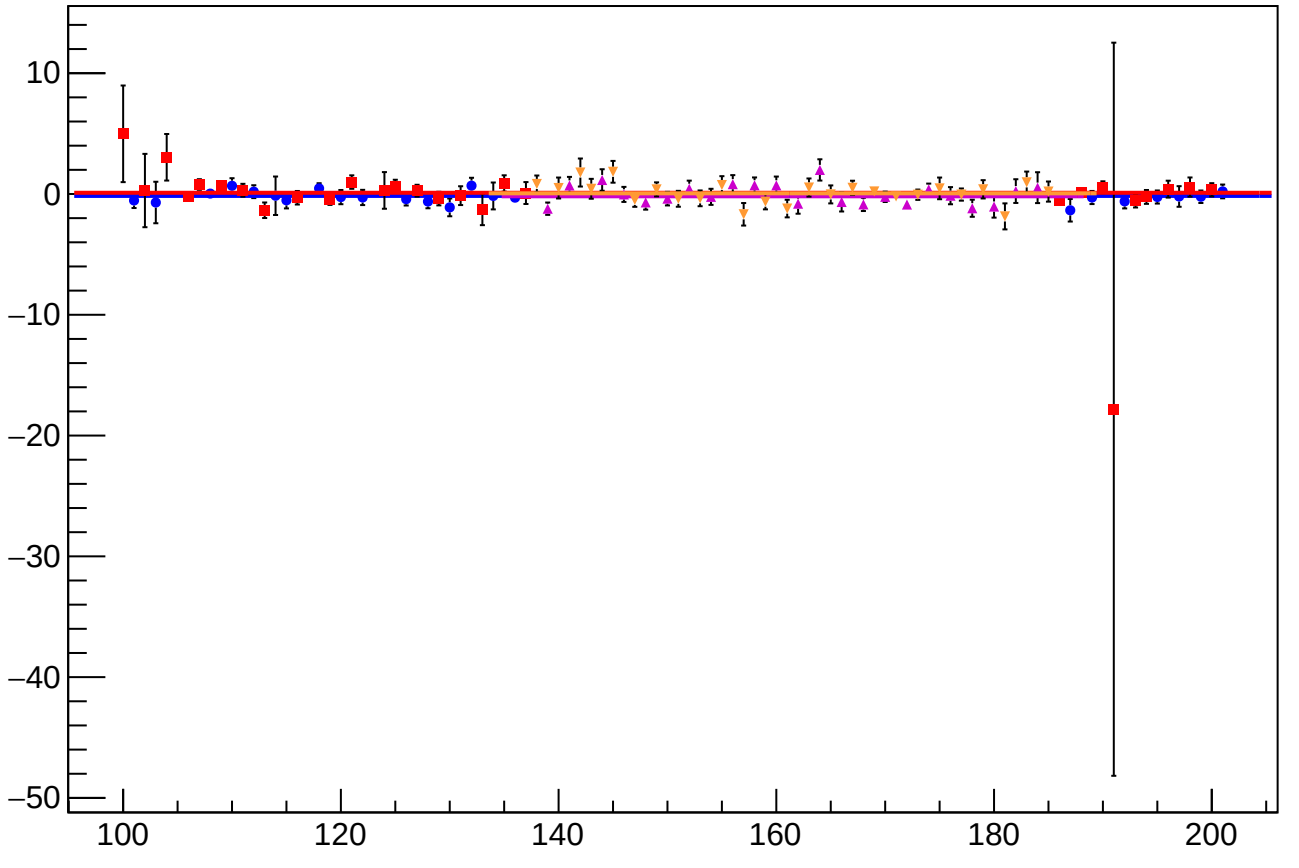
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.011+/-0.000 χ^2/NDF: 24197117.6/50

In: 0.012+/-0.000 χ^2/NDF:18565223.1/45

Out: 0.012+/-0.000 χ^2/NDF:21020191.8/52

All: 0.012+/-0.000 χ^2/NDF: 39591612.8/98



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: 0.101+/-0.100 χ^2/NDF: 31.6/27

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

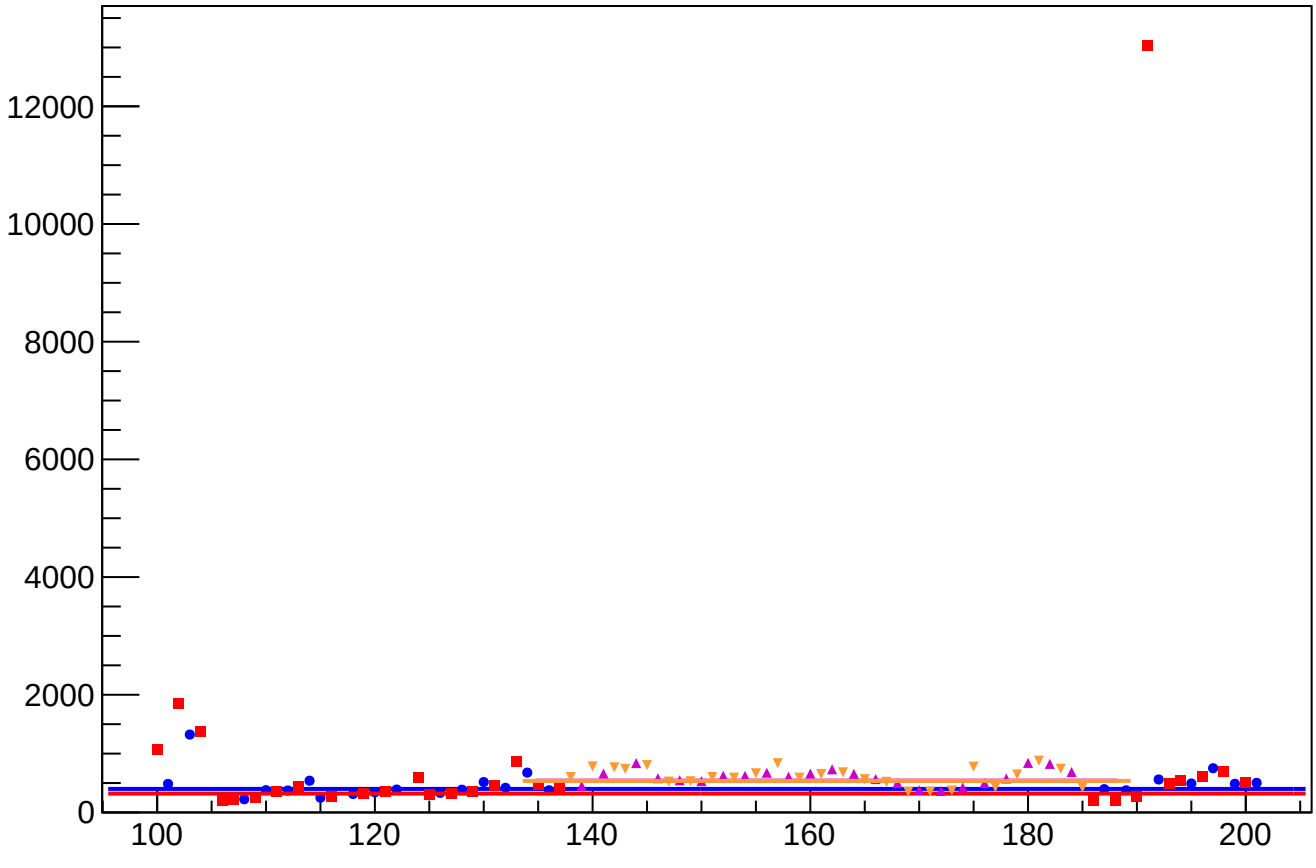
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.004+/-0.078 χ^2/NDF: 46.9/50

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.029+/-0.060 χ^2/NDF: 104.7/98



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: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

Left In: 540.811+/-0.094 χ^2/NDF:1905035.9/22

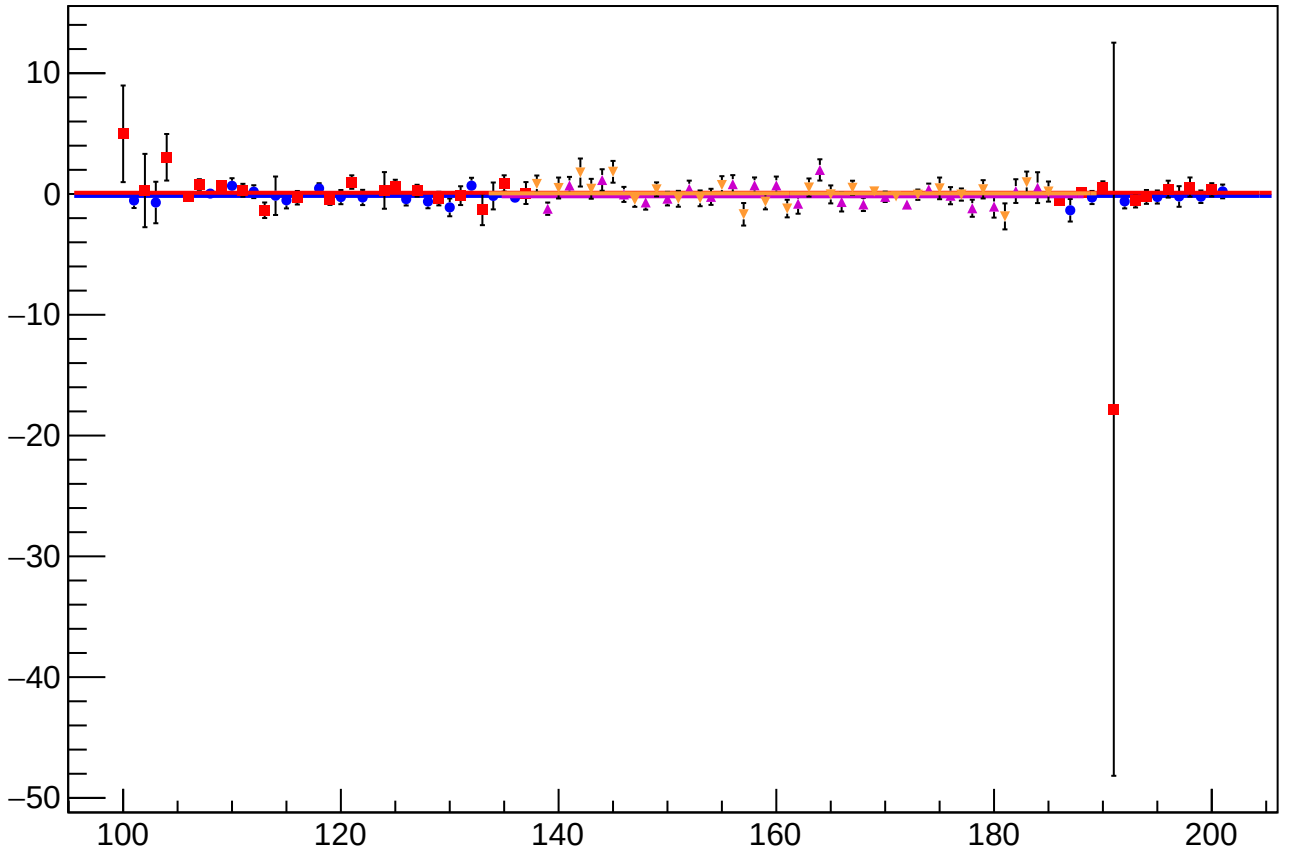
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 352.464+/-0.055 χ^2/NDF: 7675381.9/50

In: 464.544+/-0.064 χ^2/NDF:5304072.9/45

Out: 401.227+/-0.056 χ^2/NDF:11191128.5/52

All: 428.876+/-0.042 χ^2/NDF: 17051884.0/98



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: 0.101+/-0.100 χ^2/NDF: 31.6/27

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

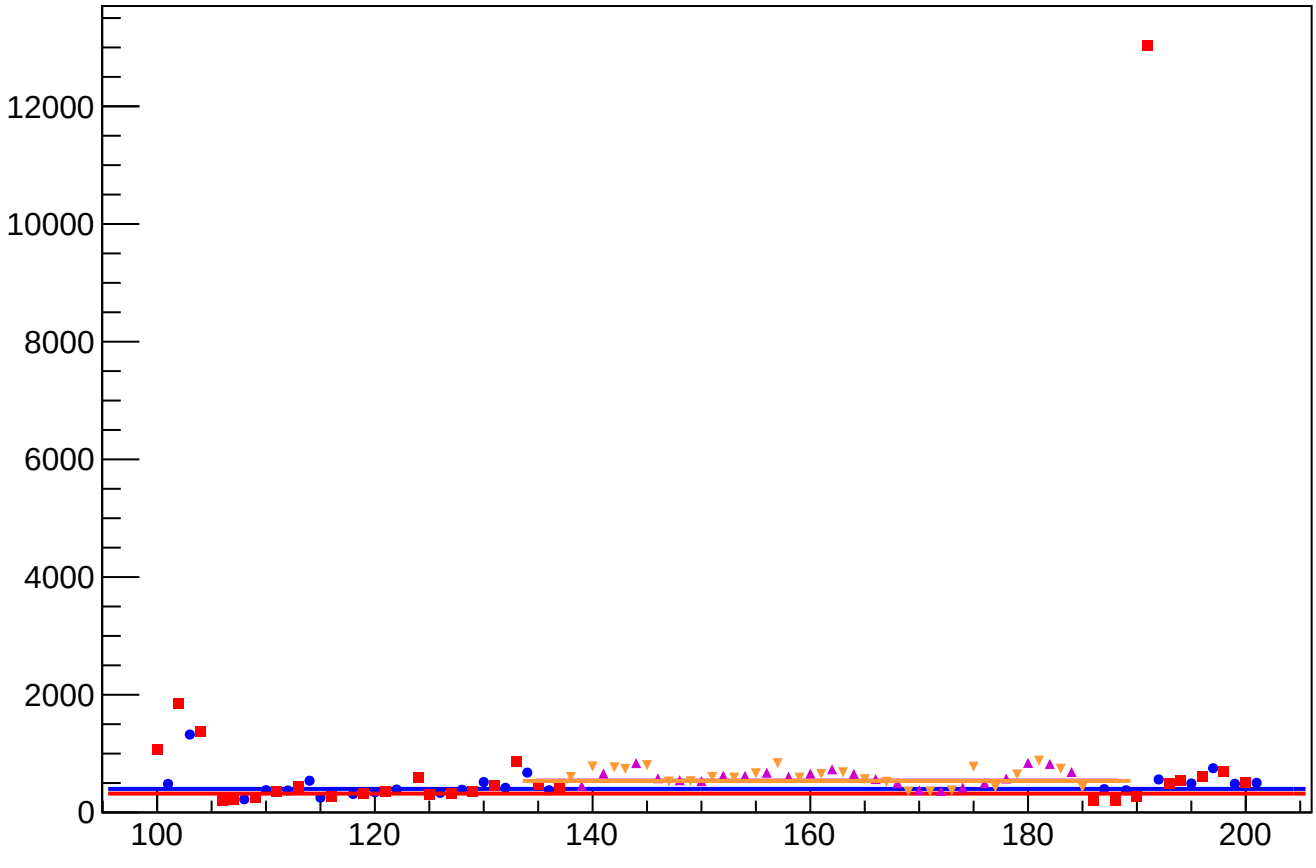
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.004+/-0.078 χ^2/NDF: 46.9/50

In: -0.174+/-0.090 χ^2/NDF:43.8/45

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.029+/-0.060 χ^2/NDF: 104.7/98



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: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

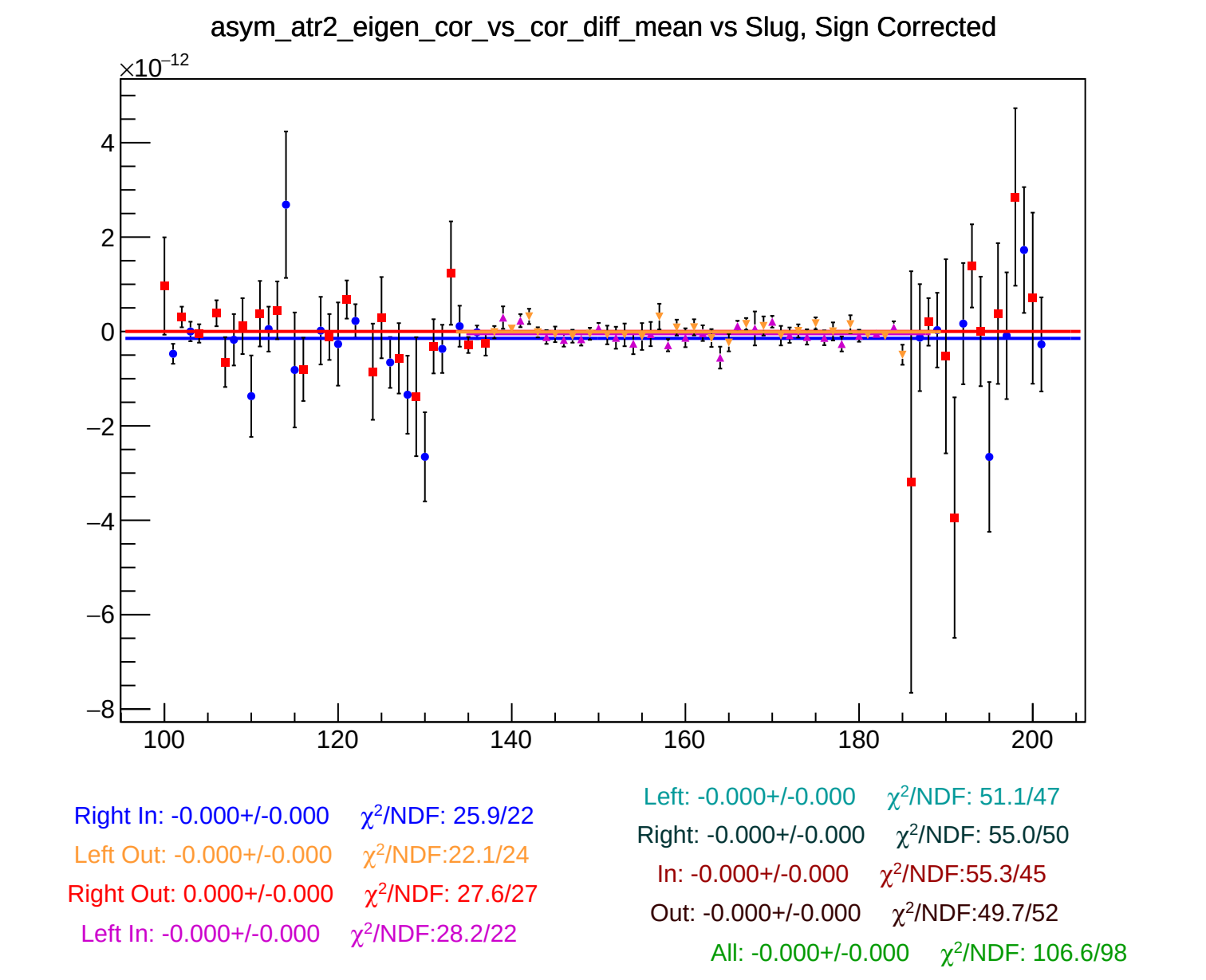
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

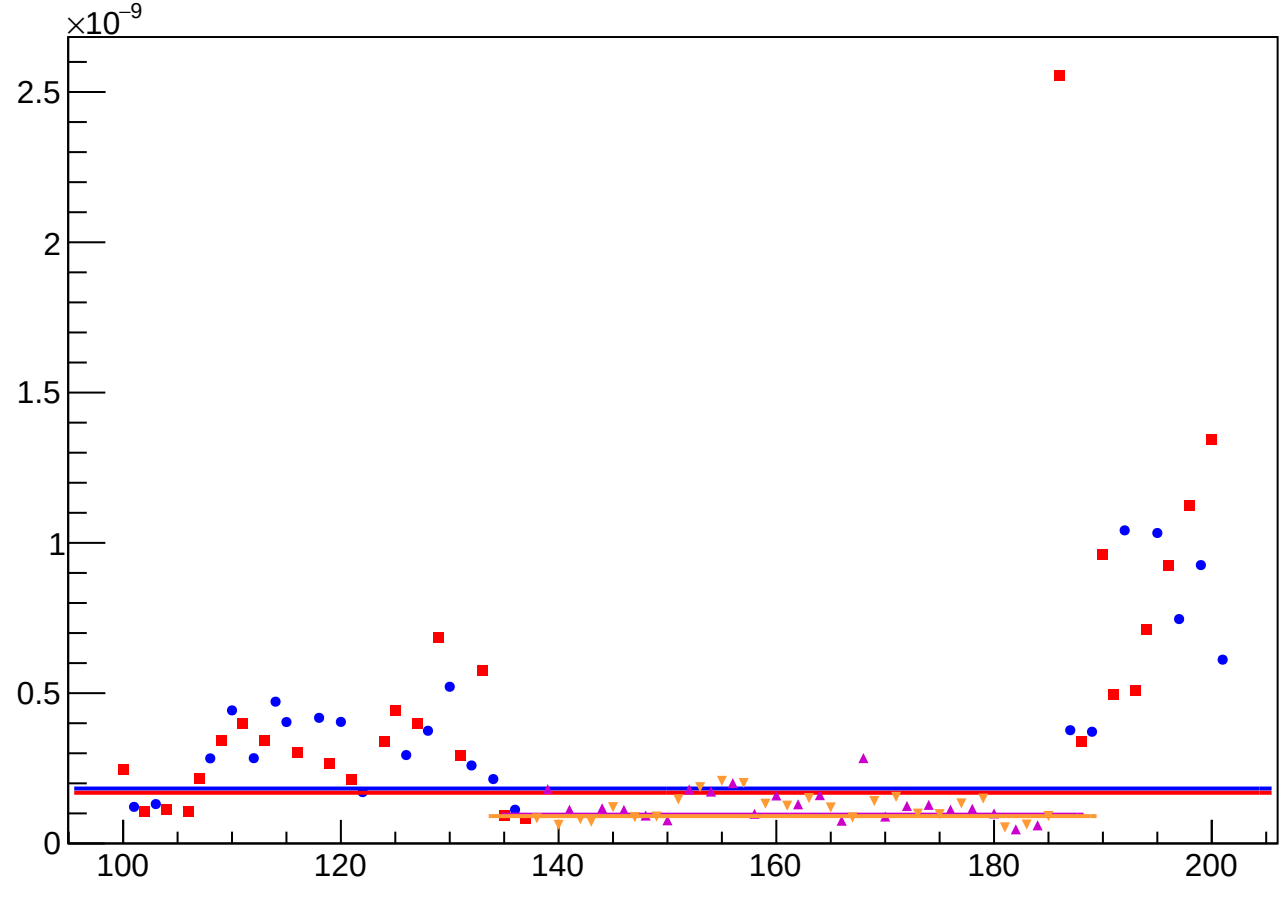
Right: 352.464+/-0.055 χ^2/NDF: 7675381.9/50

In: 464.544+/-0.064 χ^2/NDF:5304072.9/45

Out: 401.227+/-0.056 χ^2/NDF:11191128.5/52

All: 428.876+/-0.042 χ^2/NDF: 17051884.0/98


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: 27.6/27
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: 55.0/50
In: -0.000+/-0.000 χ²/NDF:55.3/45
Out: -0.000+/-0.000 χ²/NDF:49.7/52
All: -0.000+/-0.000 χ²/NDF: 106.6/98



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: 6692770.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

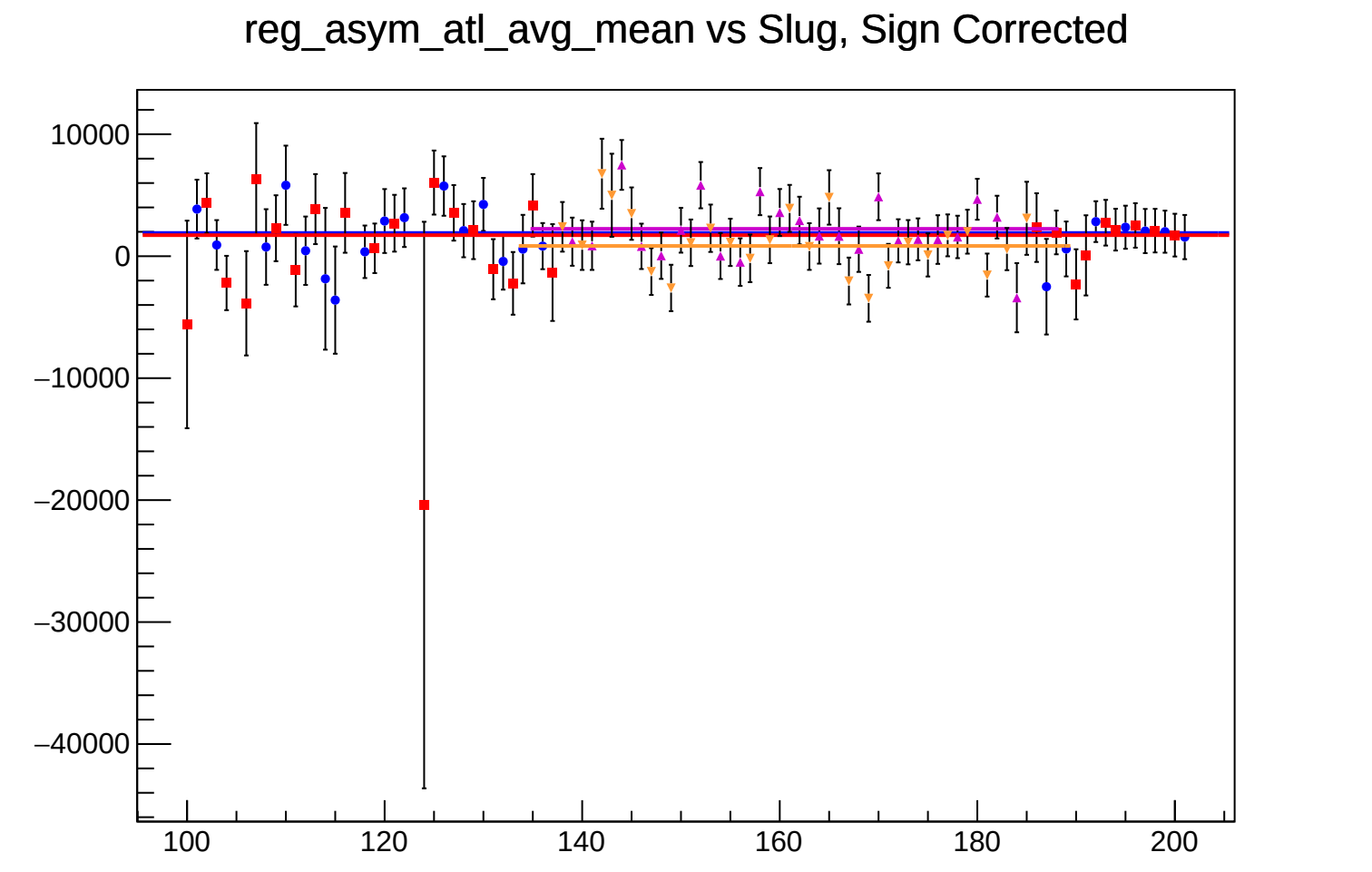
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11811344.6/50

In: 0.000+/-0.000 χ^2/NDF:10848491.8/45

Out: 0.000+/-0.000 χ^2/NDF:11692599.4/52

All: 0.000+/-0.000 χ^2/NDF: 22588649.4/98



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: 1725.379+/-464.197 χ^2/NDF: 22.3/27

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

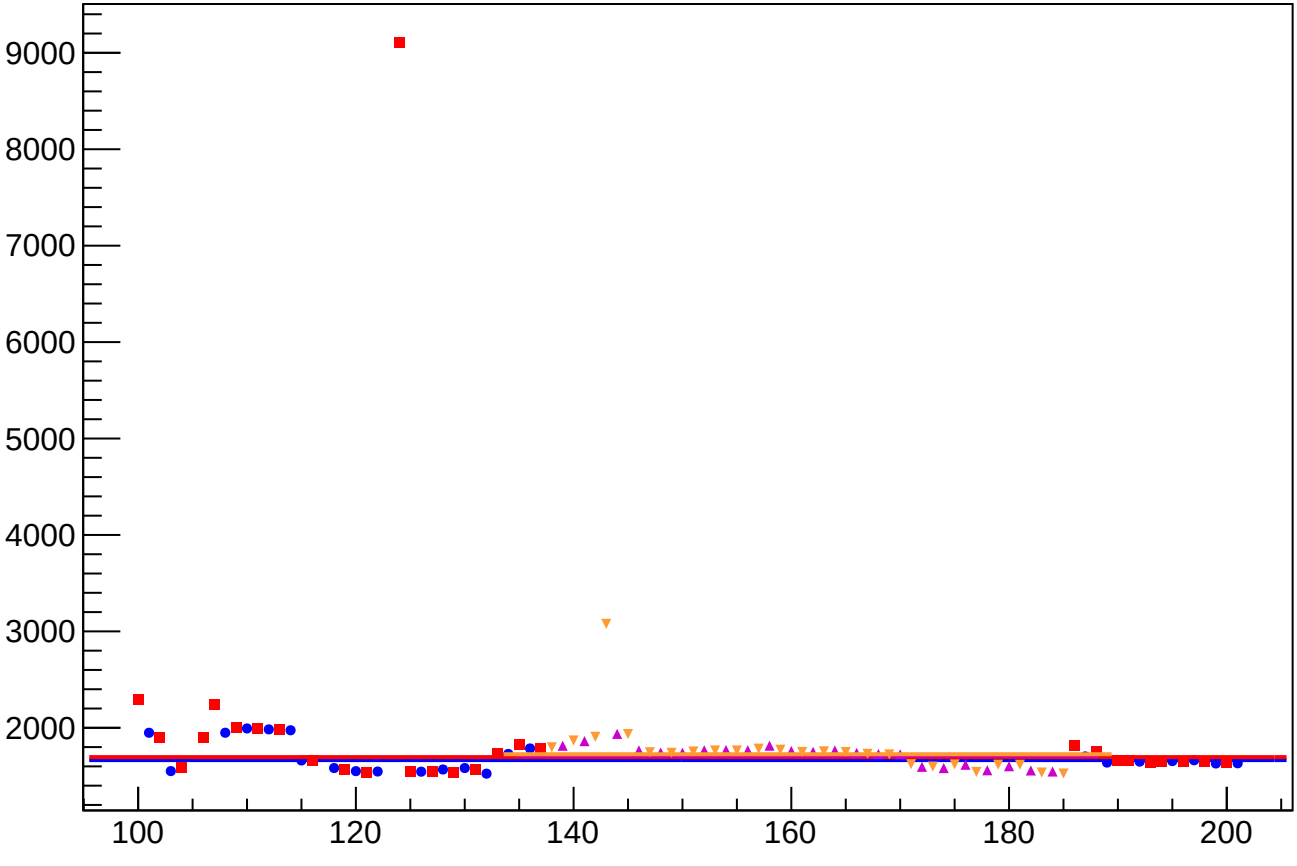
Right: 1812.466+/-332.199 χ^2/NDF: 35.3/50

In: 2103.394+/-306.465 χ^2/NDF:42.6/45

Out: 1212.149+/-300.582 χ^2/NDF:54.8/52

All: 1649.136+/-214.593 χ^2/NDF: 101.8/98

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: 1696.204+/-0.327 χ^2/NDF: 399603.0/27

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

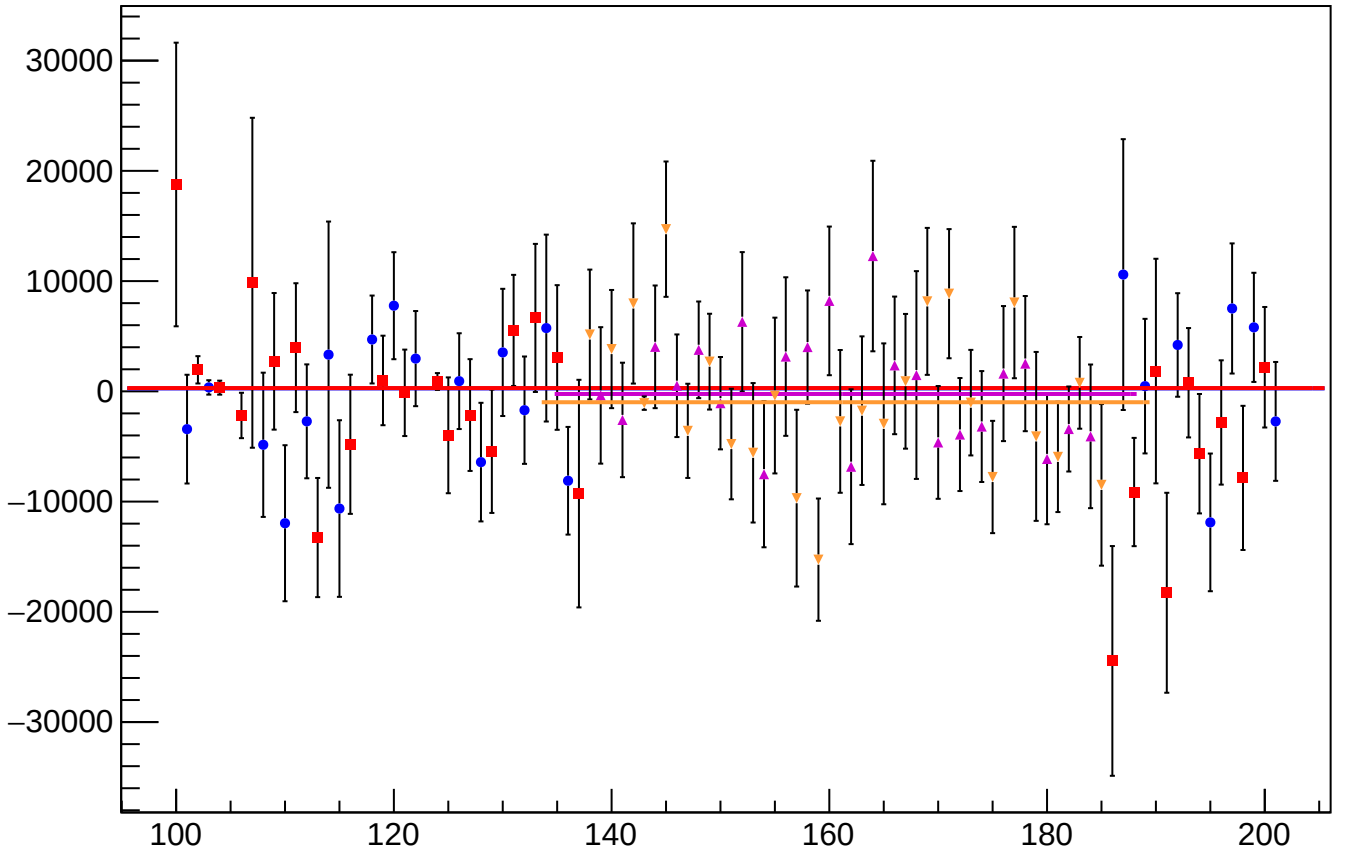
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1681.105+/-0.235 χ^2/NDF: 548560.8/50

In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1713.504+/-0.212 χ^2/NDF:859351.5/52

All: 1703.576+/-0.152 χ^2/NDF: 1149597.0/98



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: 297.552+/-416.034 χ^2/NDF: 35.6/27

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

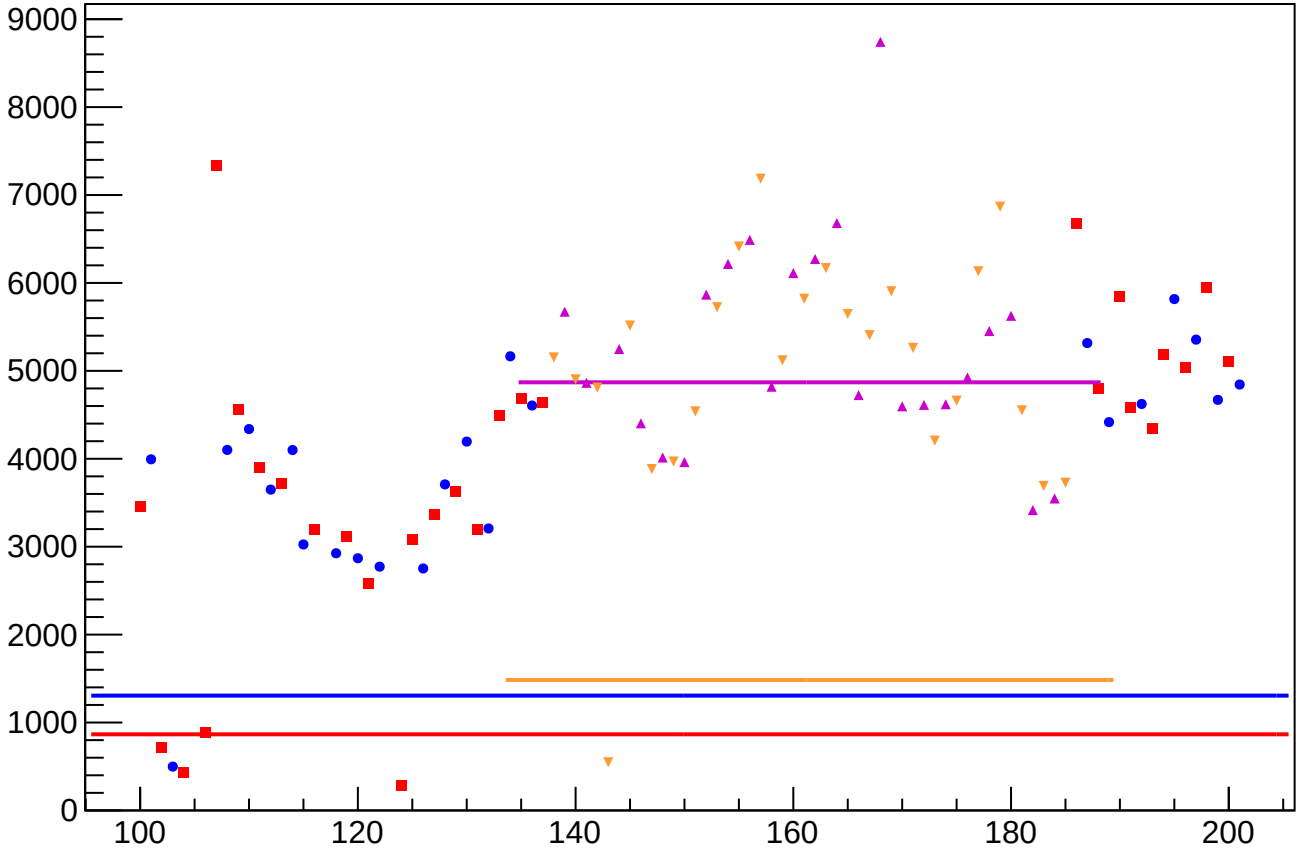
Right: 285.822+/-336.279 χ^2/NDF: 59.7/50

In: 166.195+/-512.837 χ^2/NDF:37.8/45

Out: -179.758+/-329.851 χ^2/NDF:69.9/52

All: -78.521+/-277.421 χ^2/NDF: 108.1/98

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



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: 866.054+/-0.294 χ^2/NDF: 17467763.4/27

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

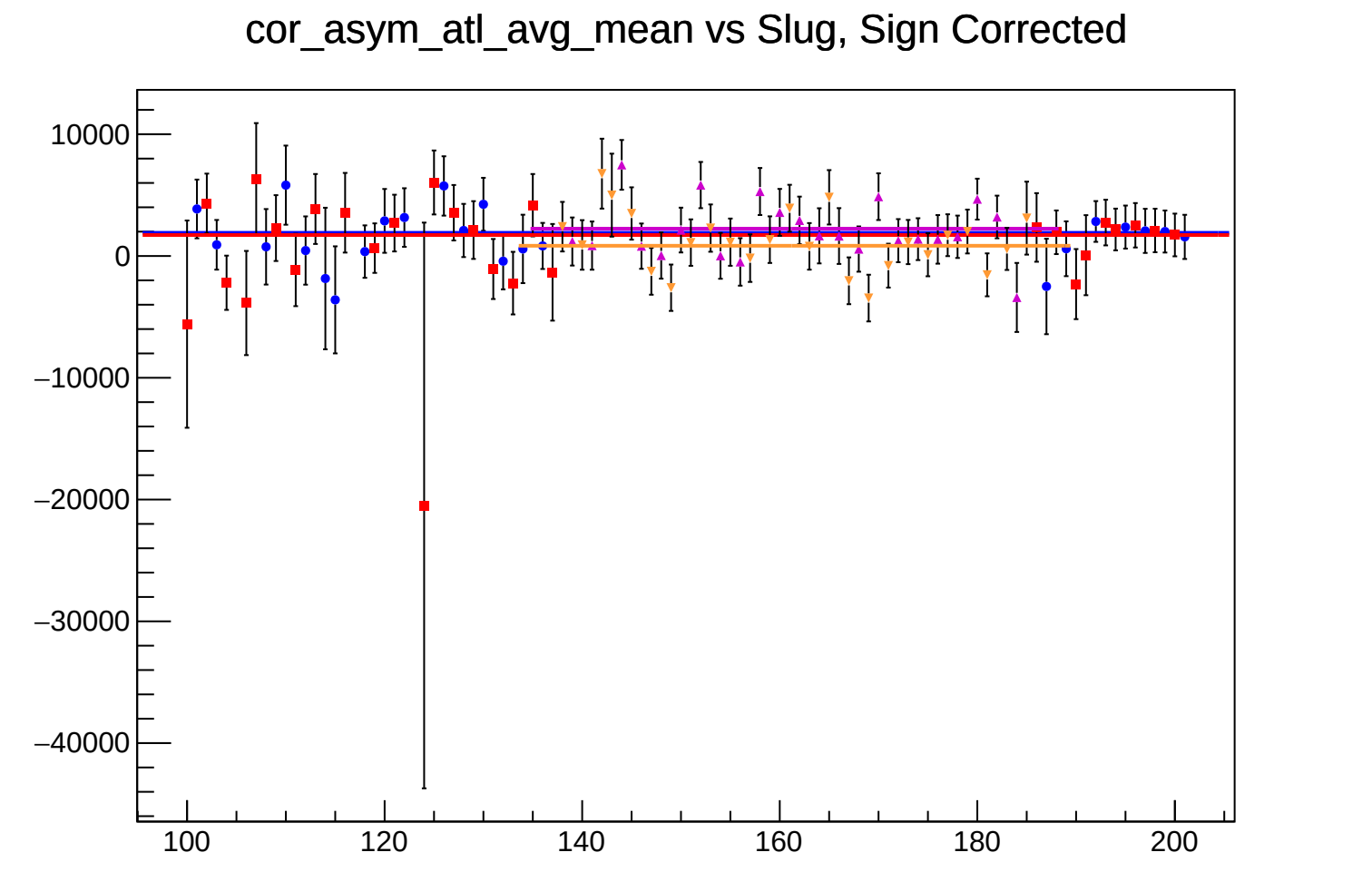
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1018.600+/-0.238 χ^2/NDF: 32250867.6/50

In: 1996.597+/-0.363 χ^2/NDF:30568069.7/45

Out: 1095.767+/-0.233 χ^2/NDF:42334441.2/52

All: 1359.379+/-0.196 χ^2/NDF: 77267699.6/9



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: 1724.123+/-464.199 χ^2/NDF: 22.3/27

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

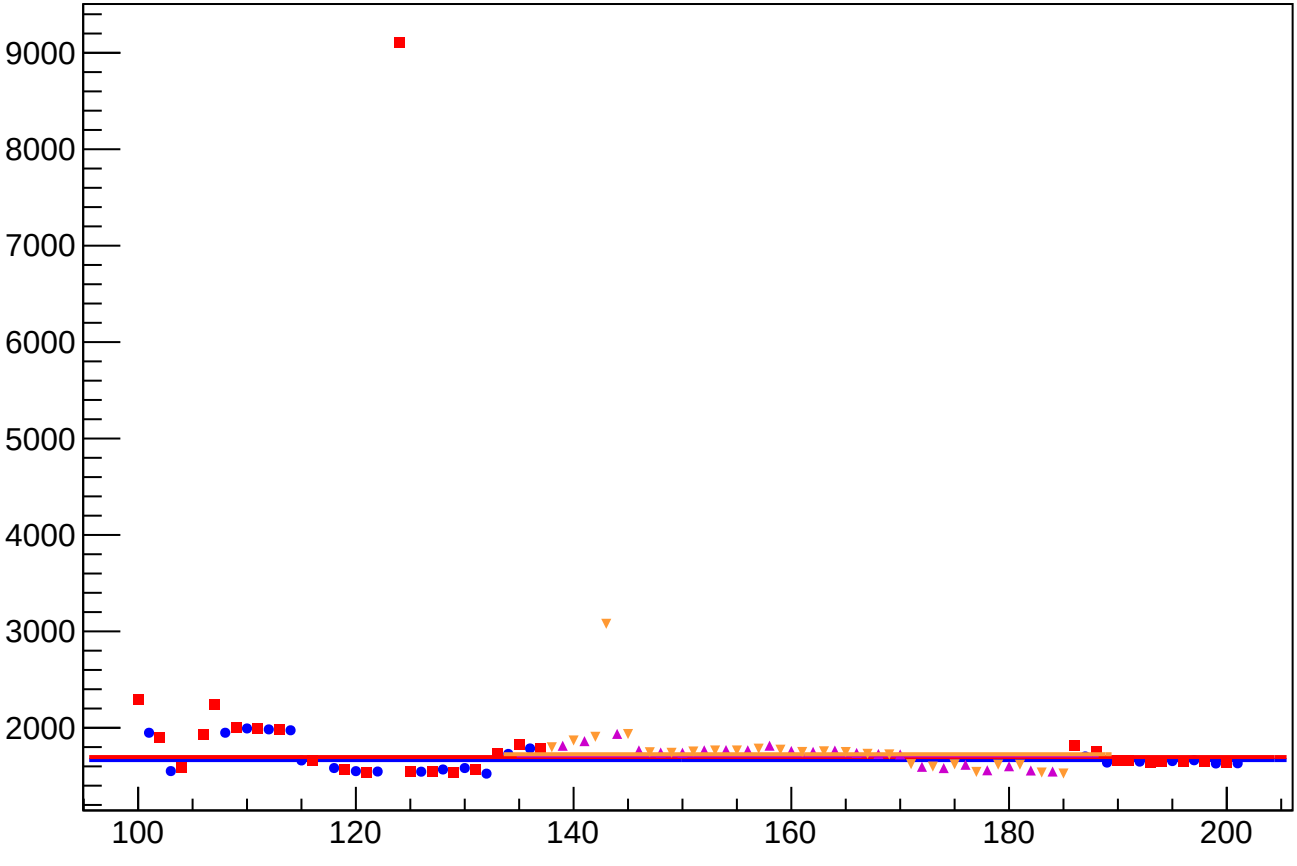
Right: 1811.865+/-332.199 χ^2/NDF: 35.3/50

In: 2103.441+/-306.465 χ^2/NDF:42.6/45

Out: 1211.616+/-300.583 χ^2/NDF:54.8/52

All: 1648.888+/-214.593 χ^2/NDF: 101.7/98

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: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

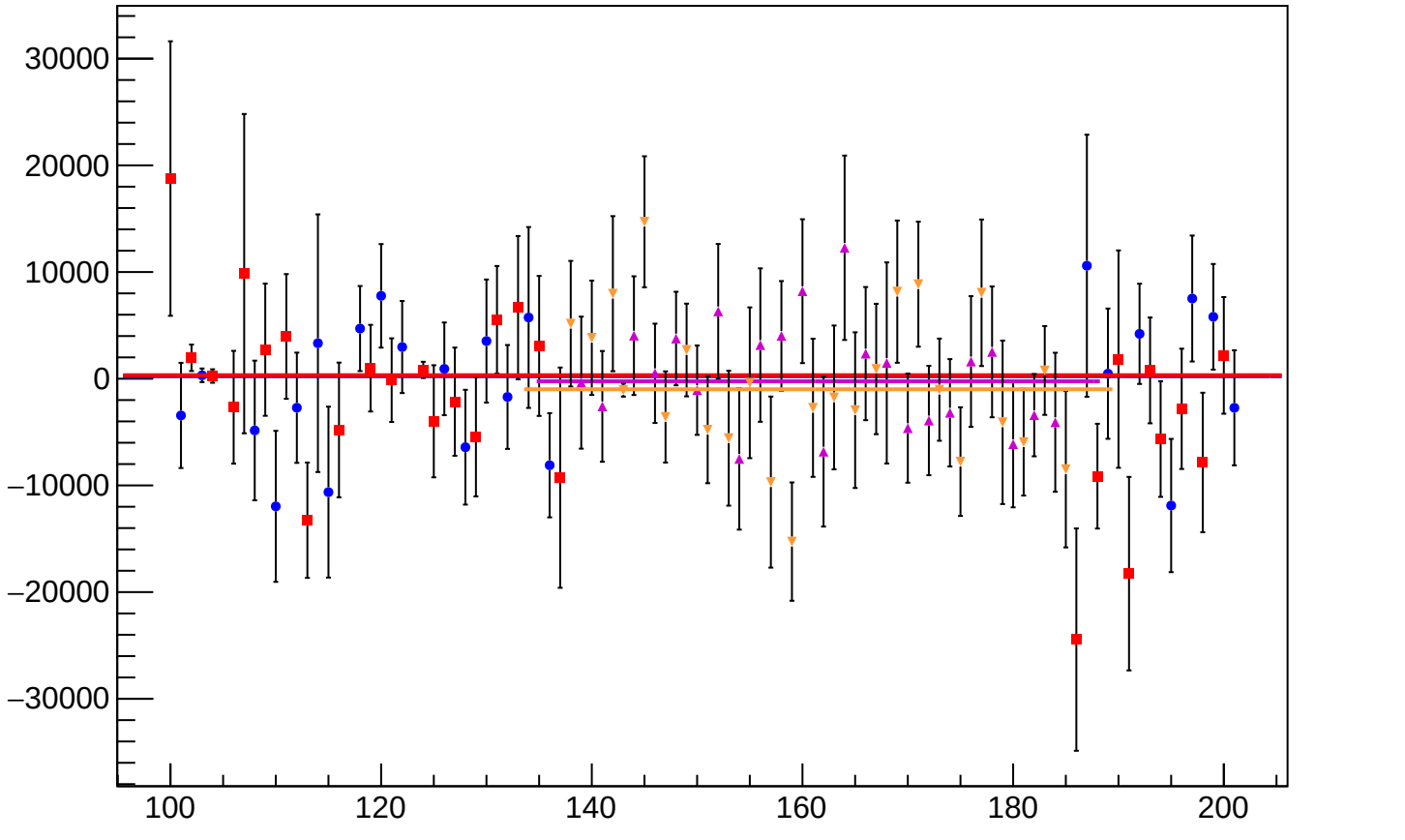
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1681.320+/-0.235 χ^2/NDF: 550603.3/50

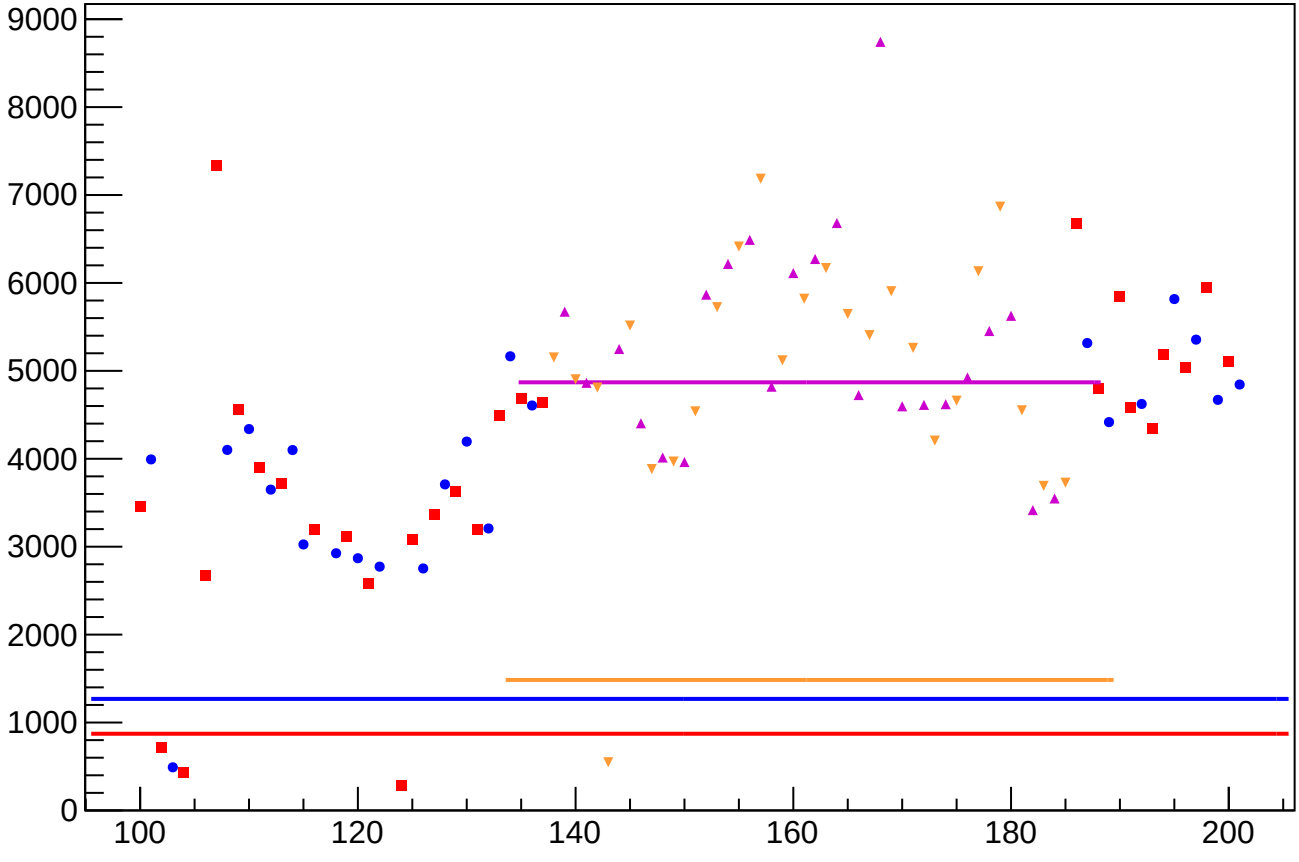
In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1713.687+/-0.212 χ^2/NDF:861136.2/52

All: 1703.668+/-0.152 χ^2/NDF: 1151462.3/98


asym_atl_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 239.753+/-560.101 χ²/NDF: 24.1/22
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 330.305+/-421.515 χ²/NDF: 34.3/27
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 297.563+/-336.796 χ²/NDF: 58.5/50
In: 149.784+/-504.795 χ²/NDF:37.8/45
Out: -167.145+/-332.558 χ²/NDF:68.8/52
All: -71.224+/-277.709 χ²/NDF: 106.9/98

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



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: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

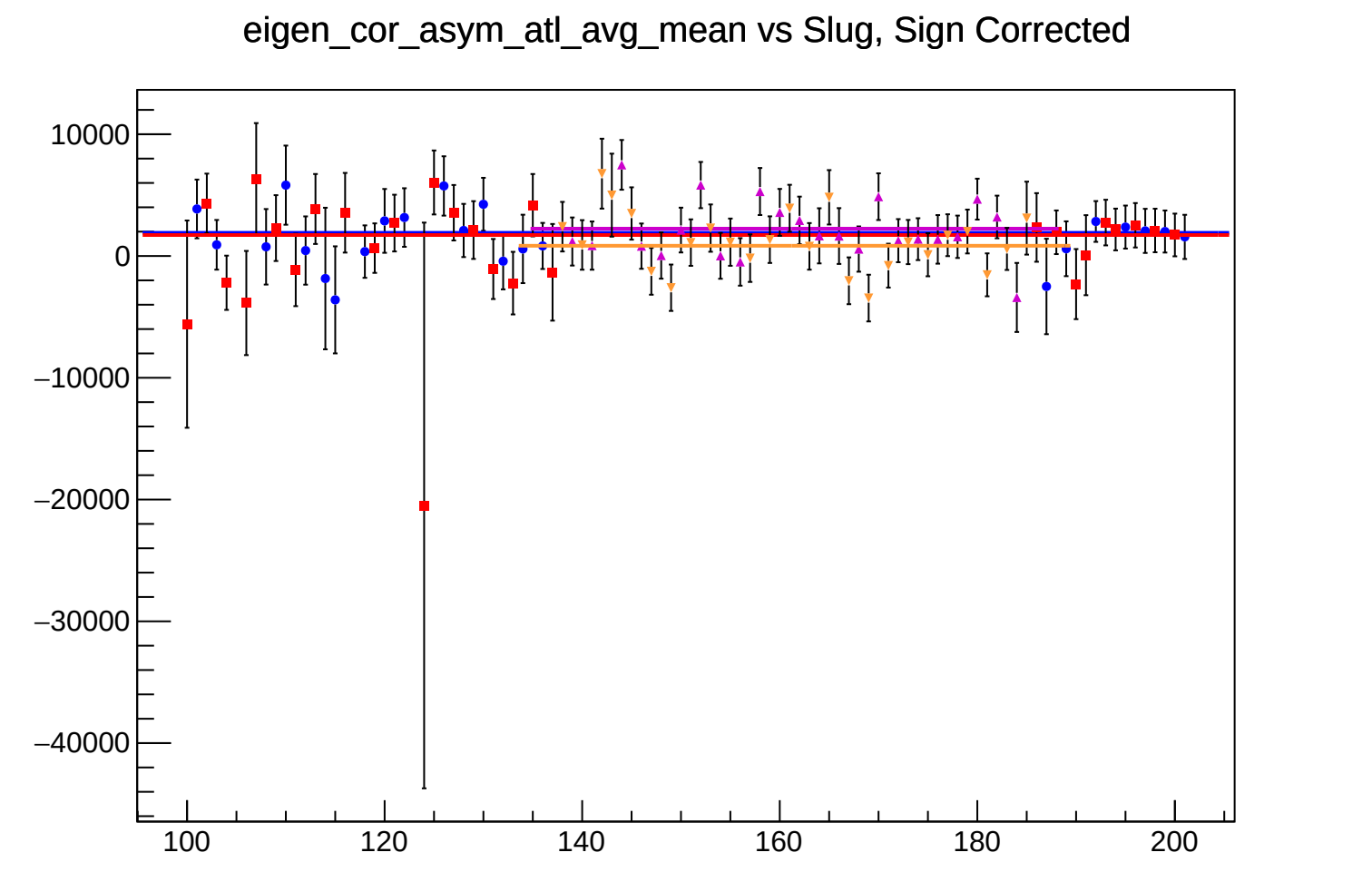
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1015.796+/-0.238 χ^2/NDF: 32592325.2/50

In: 1944.896+/-0.357 χ^2/NDF:31215016.1/45

Out: 1103.518+/-0.235 χ^2/NDF:42547508.1/52

All: 1358.167+/-0.196 χ^2/NDF: 77637138.1/9



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: 1724.123+/-464.199 χ^2/NDF: 22.3/27

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

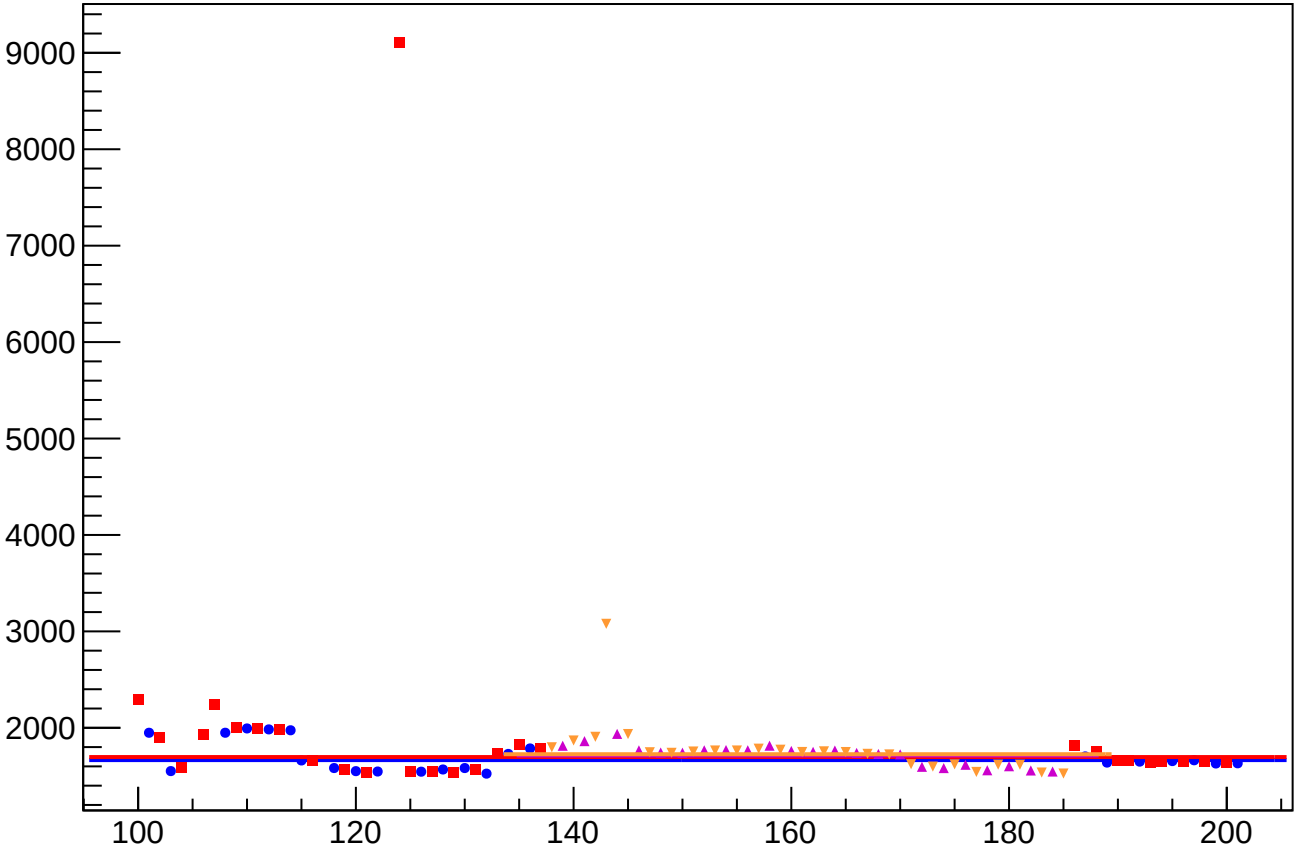
Right: 1811.865+/-332.199 χ^2/NDF: 35.3/50

In: 2103.441+/-306.465 χ^2/NDF:42.6/45

Out: 1211.616+/-300.583 χ^2/NDF:54.8/52

All: 1648.888+/-214.593 χ^2/NDF: 101.7/98

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: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

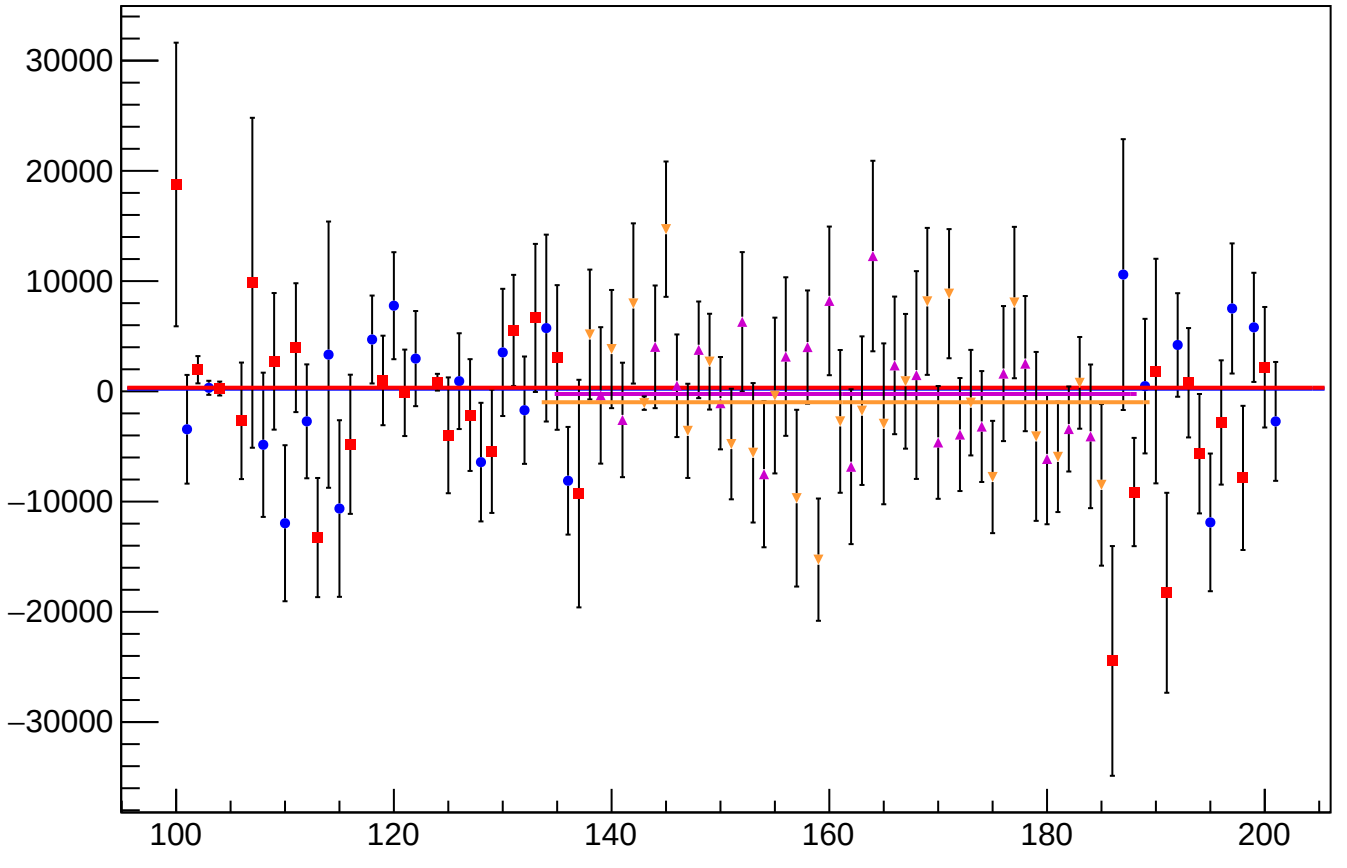
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1681.320+/-0.235 χ^2/NDF: 550603.3/50

In: 1693.234+/-0.217 χ^2/NDF:285781.4/45

Out: 1713.687+/-0.212 χ^2/NDF:861136.2/52

All: 1703.668+/-0.152 χ^2/NDF: 1151462.3/98



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: 330.305+/-421.515 χ^2/NDF: 34.3/27

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

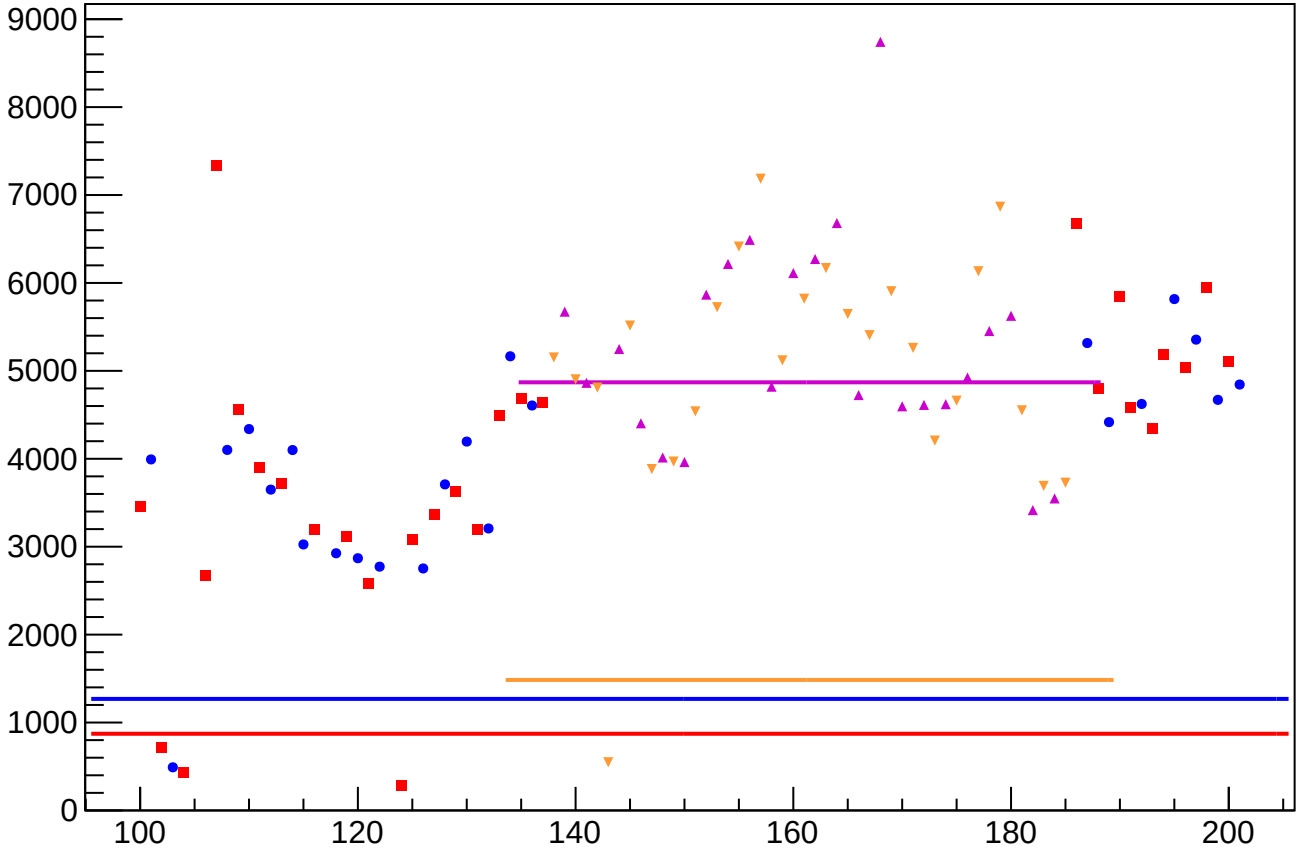
Right: 297.563+/-336.796 χ^2/NDF: 58.5/50

In: 149.784+/-504.795 χ^2/NDF:37.8/45

Out: -167.145+/-332.558 χ^2/NDF:68.8/52

All: -71.224+/-277.709 χ^2/NDF: 106.9/98

asym_atl_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

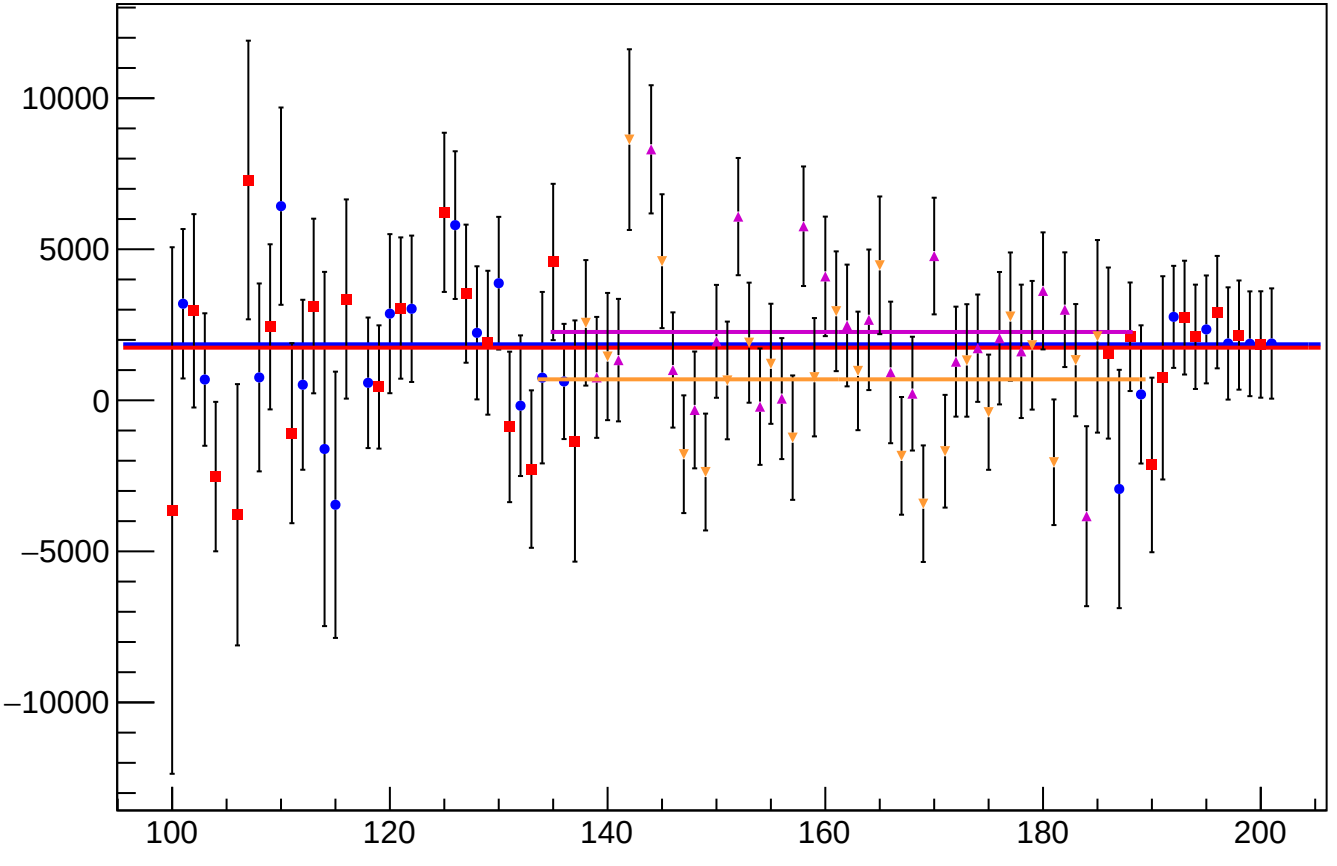
Right: 1015.796+/-0.238 χ^2/NDF: 32592325.2/50

In: 1944.896+/-0.357 χ^2/NDF:31215016.1/45

Out: 1103.518+/-0.235 χ^2/NDF:42547508.1/52

All: 1358.167+/-0.196 χ^2/NDF: 77637138.1/9

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: 1742.588+/-473.206 χ^2/NDF: 20.3/26

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

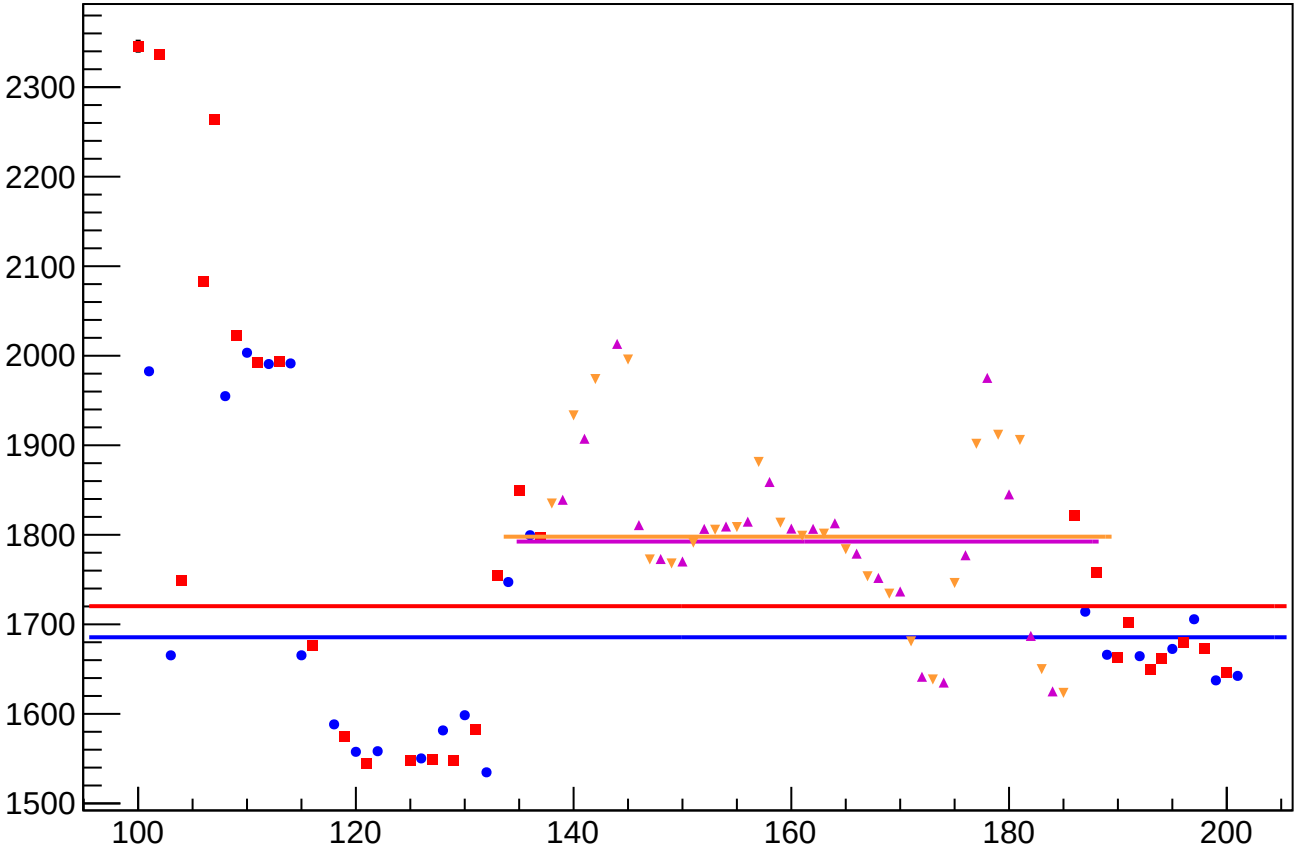
Right: 1797.139+/-337.554 χ^2/NDF: 32.9/49

In: 2085.879+/-316.200 χ^2/NDF:43.4/45

Out: 1153.829+/-313.301 χ^2/NDF:55.2/50

All: 1615.561+/-222.555 χ^2/NDF: 103.0/96

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: 1720.293+/-0.334 χ^2/NDF: 267870.9/26

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

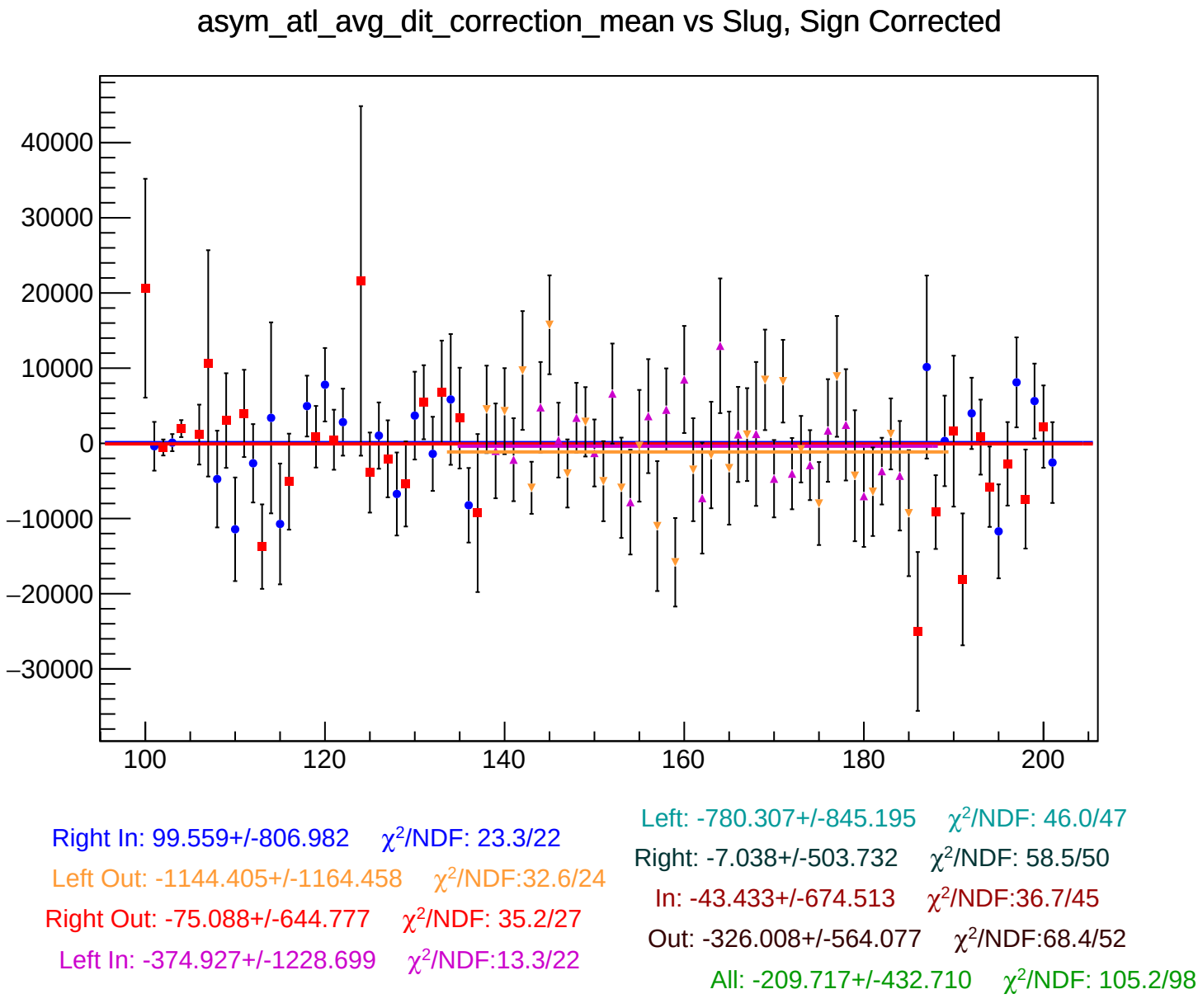
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1703.259+/-0.239 χ^2/NDF: 413226.9/49

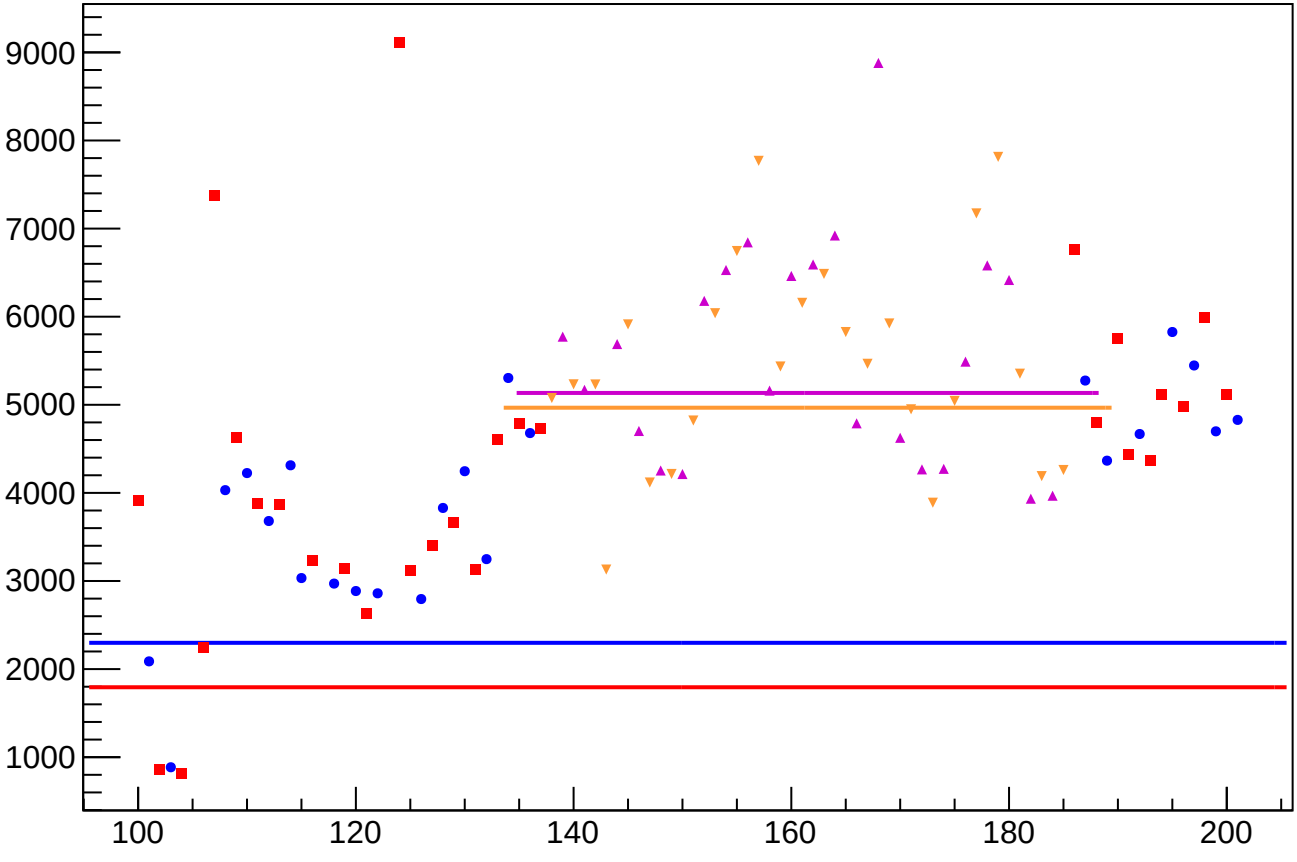
In: 1746.387+/-0.224 χ^2/NDF:288974.6/45

Out: 1763.842+/-0.221 χ^2/NDF:396132.9/50

All: 1755.199+/-0.157 χ^2/NDF: 688184.2/96


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 99.559+/-806.982 χ²/NDF: 23.3/22
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: -75.088+/-644.777 χ²/NDF: 35.2/27
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: -7.038+/-503.732 χ²/NDF: 58.5/50
In: -43.433+/-674.513 χ²/NDF:36.7/45
Out: -326.008+/-564.077 χ²/NDF:68.4/52
All: -209.717+/-432.710 χ²/NDF: 105.2/98

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1793.843+/-0.456 χ^2/NDF: 11713294.1/27

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

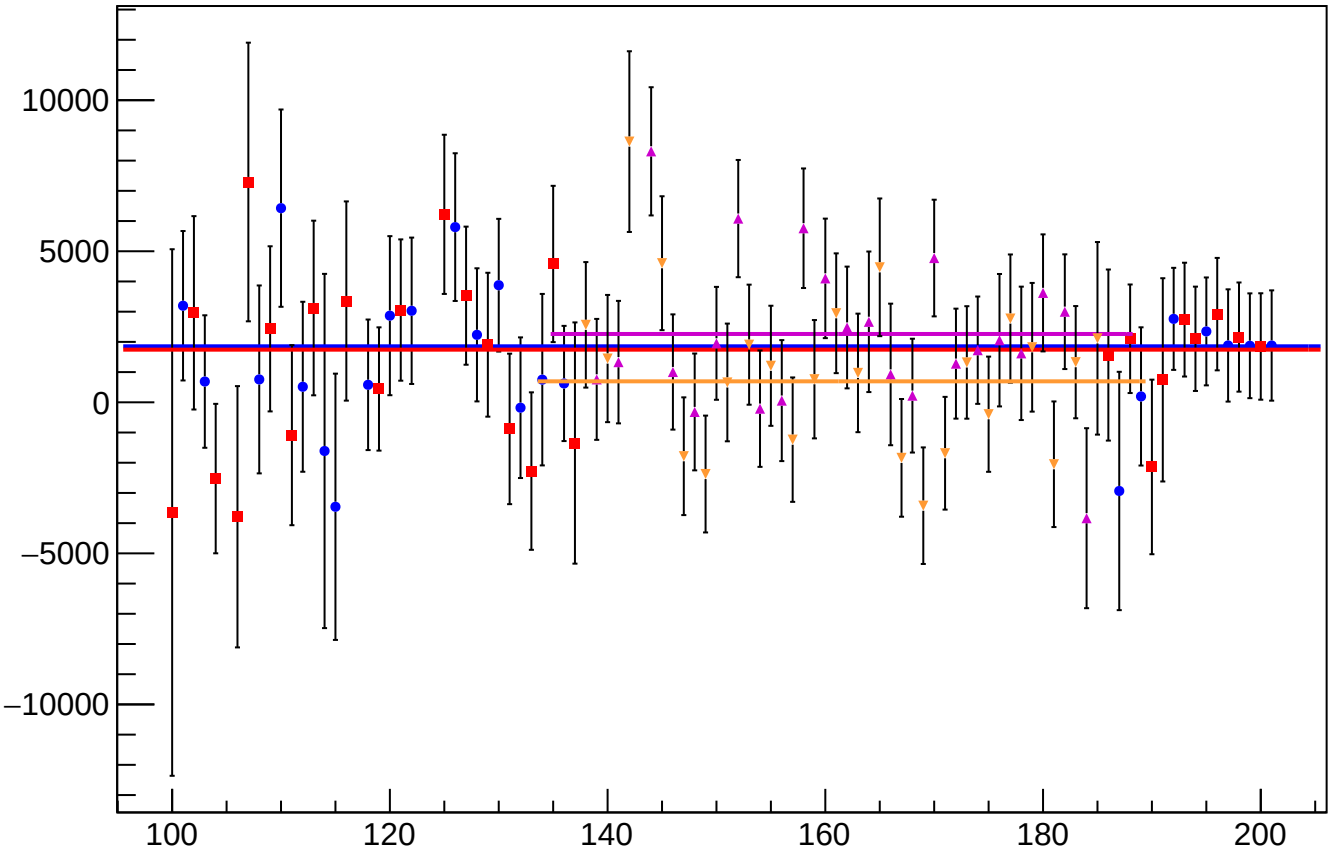
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1990.395+/-0.356 χ^2/NDF: 20016227.2/50

In: 3152.992+/-0.477 χ^2/NDF:16757855.8/45

Out: 2538.410+/-0.399 χ^2/NDF:24996764.3/52

All: 2791.335+/-0.306 χ^2/NDF: 42731690.9/9



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: 1742.586+/-473.206 χ^2/NDF: 20.3/26

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

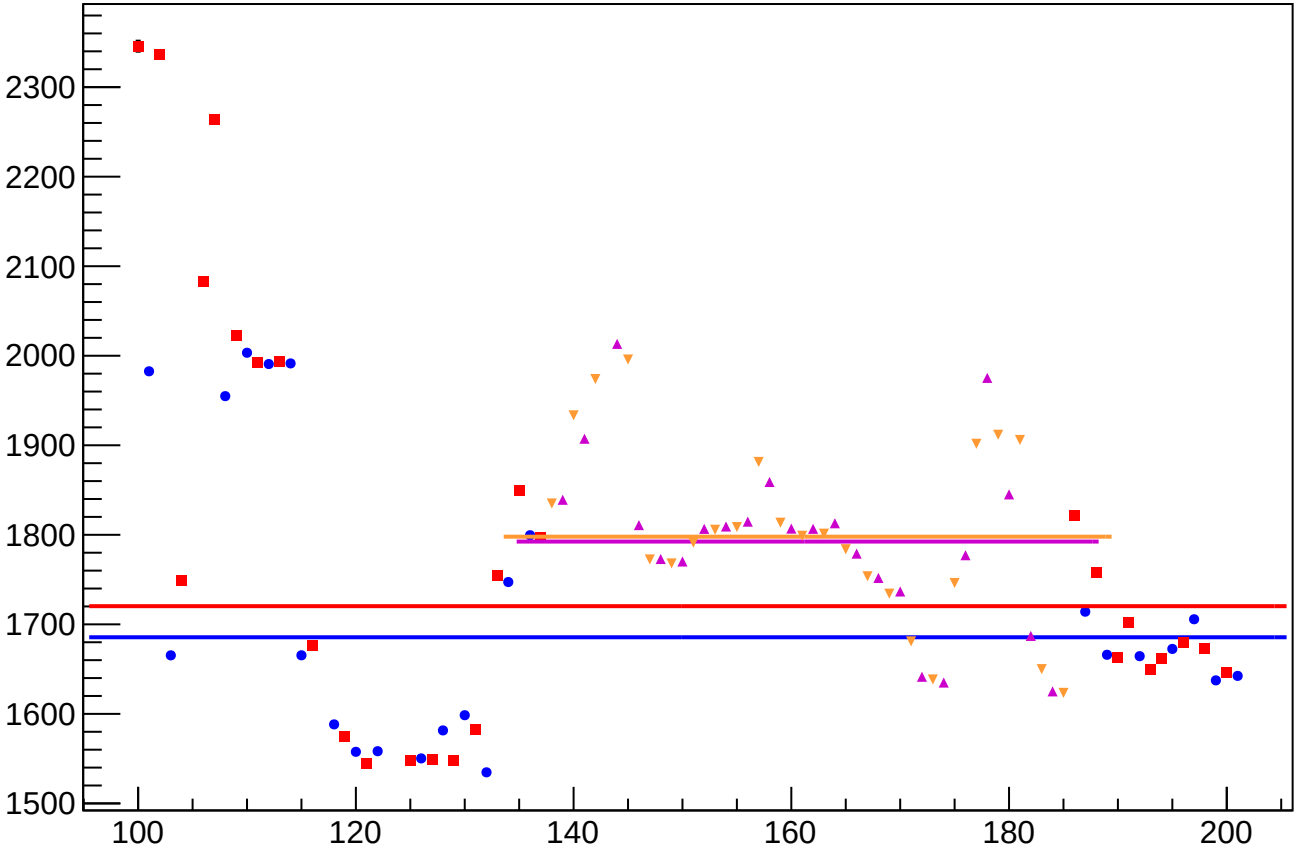
Right: 1797.135+/-337.554 χ^2/NDF: 32.9/49

In: 2085.877+/-316.200 χ^2/NDF:43.4/45

Out: 1153.825+/-313.301 χ^2/NDF:55.2/50

All: 1615.559+/-222.555 χ^2/NDF: 103.0/96

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: 1720.293+/-0.334 χ^2/NDF: 267870.1/26

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

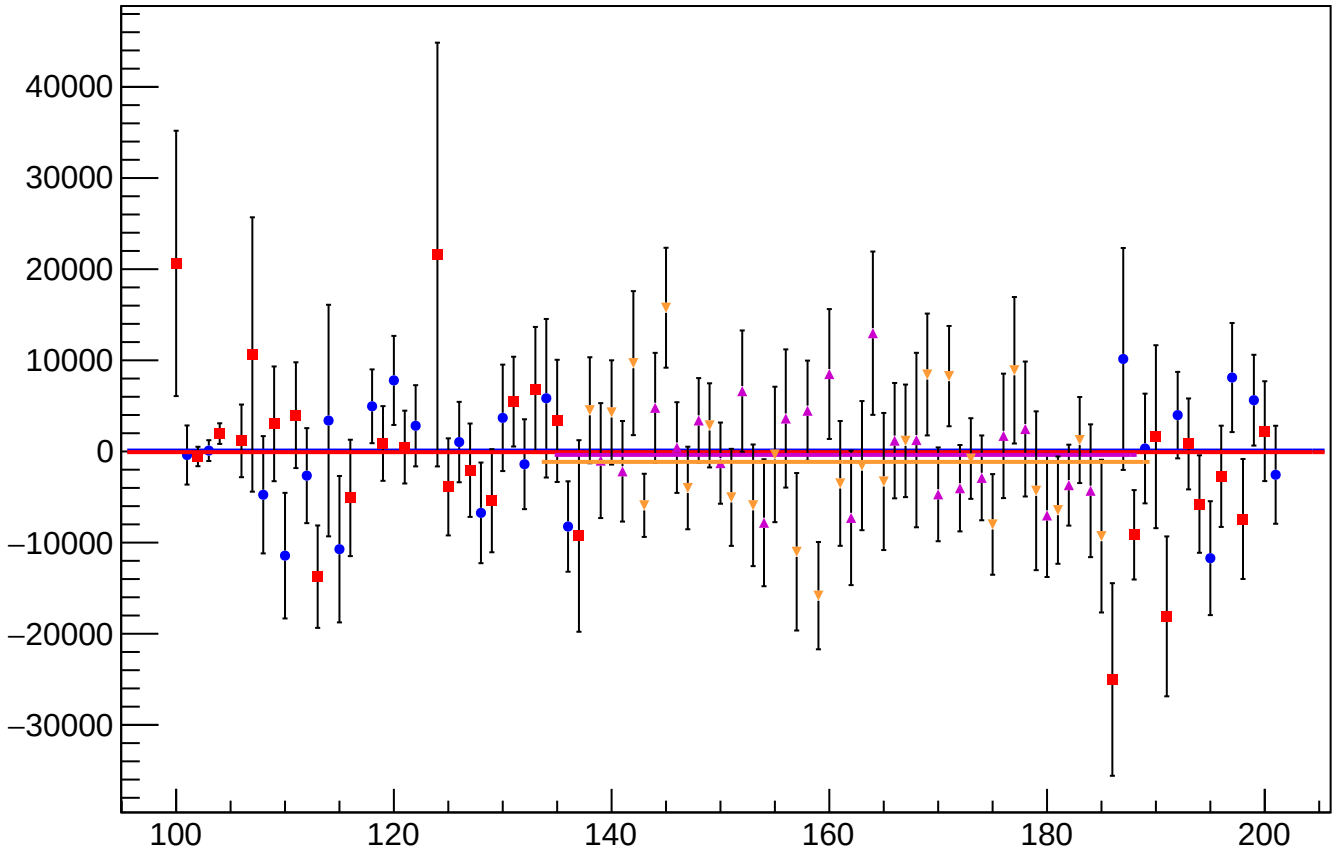
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1703.259+/-0.239 χ^2/NDF: 413226.3/49

In: 1746.388+/-0.224 χ^2/NDF:288979.5/45

Out: 1763.842+/-0.221 χ^2/NDF:396136.6/50

All: 1755.200+/-0.157 χ^2/NDF: 688193.0/96



Right In: 99.560+/-806.978 χ^2/NDF: 23.3/22

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -75.082+/-644.773 χ^2/NDF: 35.2/27

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

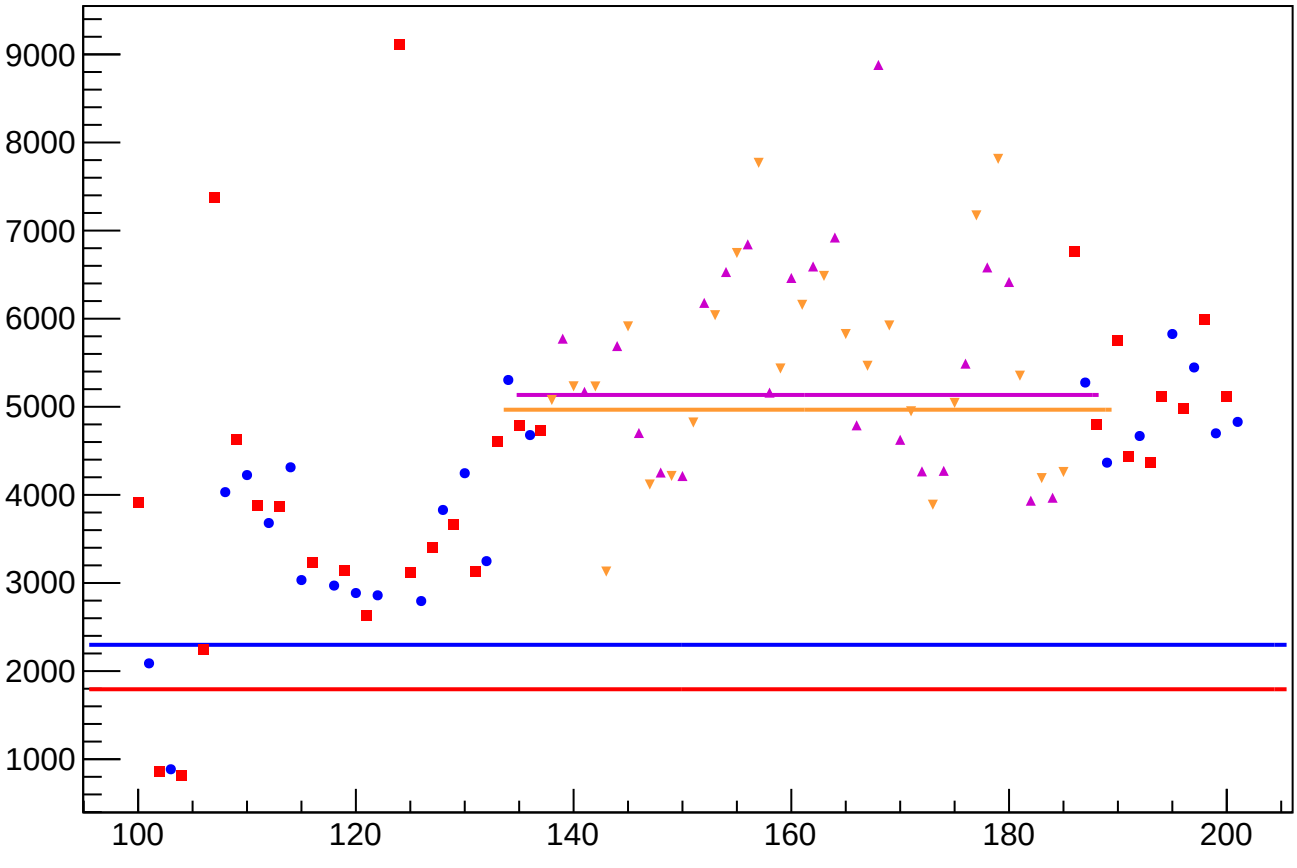
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -7.033+/-503.729 χ^2/NDF: 58.5/50

In: -43.431+/-674.510 χ^2/NDF:36.7/45

Out: -326.002+/-564.074 χ^2/NDF:68.4/52

All: -209.713+/-432.708 χ^2/NDF: 105.2/98



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: 1793.826+/-0.456 χ^2/NDF: 11713383.9/27

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

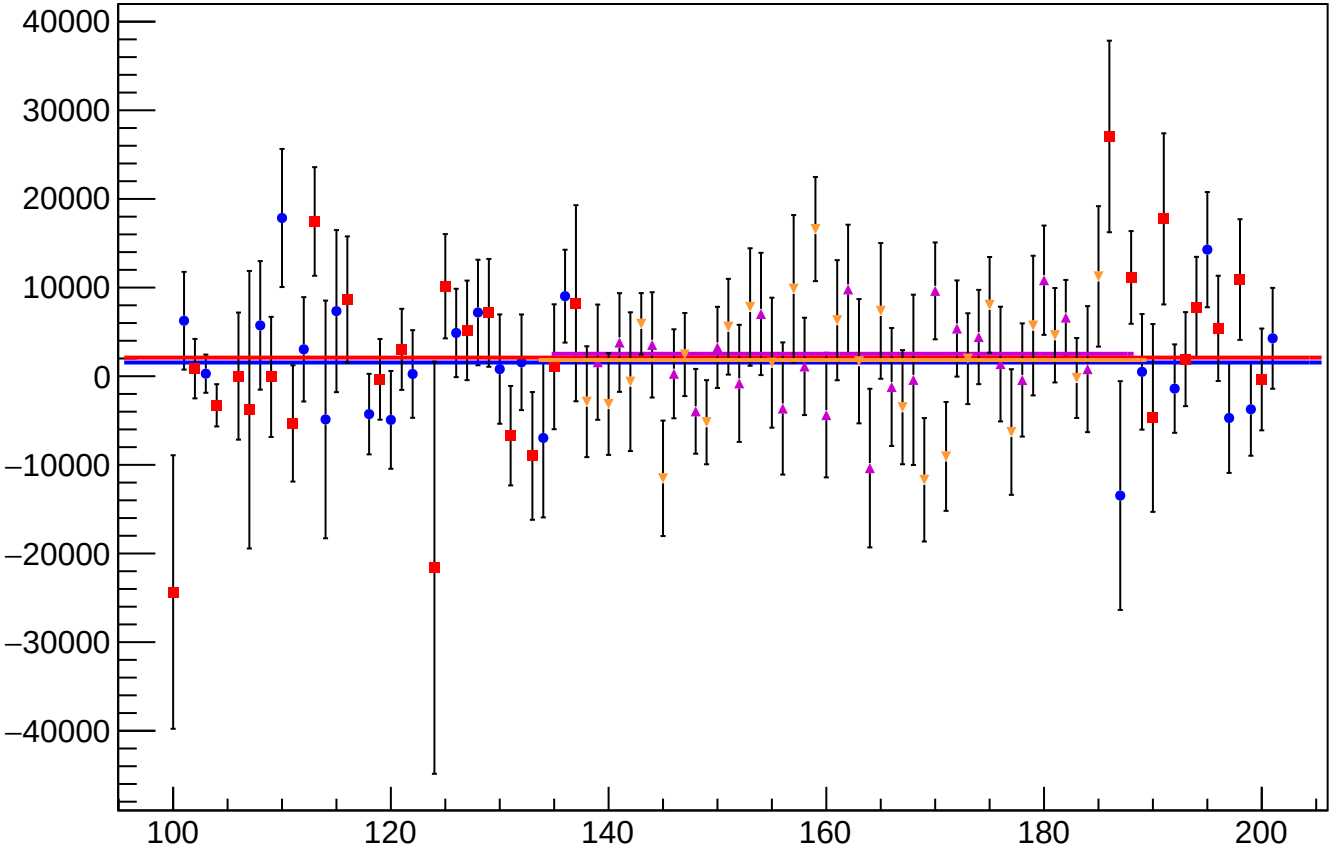
Right: 1990.377+/-0.356 χ^2/NDF: 20016403.6/50

In: 3152.973+/-0.477 χ^2/NDF:16758093.1/45

Out: 2538.389+/-0.399 χ^2/NDF:24997043.7/52

All: 2791.315+/-0.306 χ^2/NDF: 42732219.8/9

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: 2099.568+/-1078.183 χ^2/NDF: 40.8/27

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

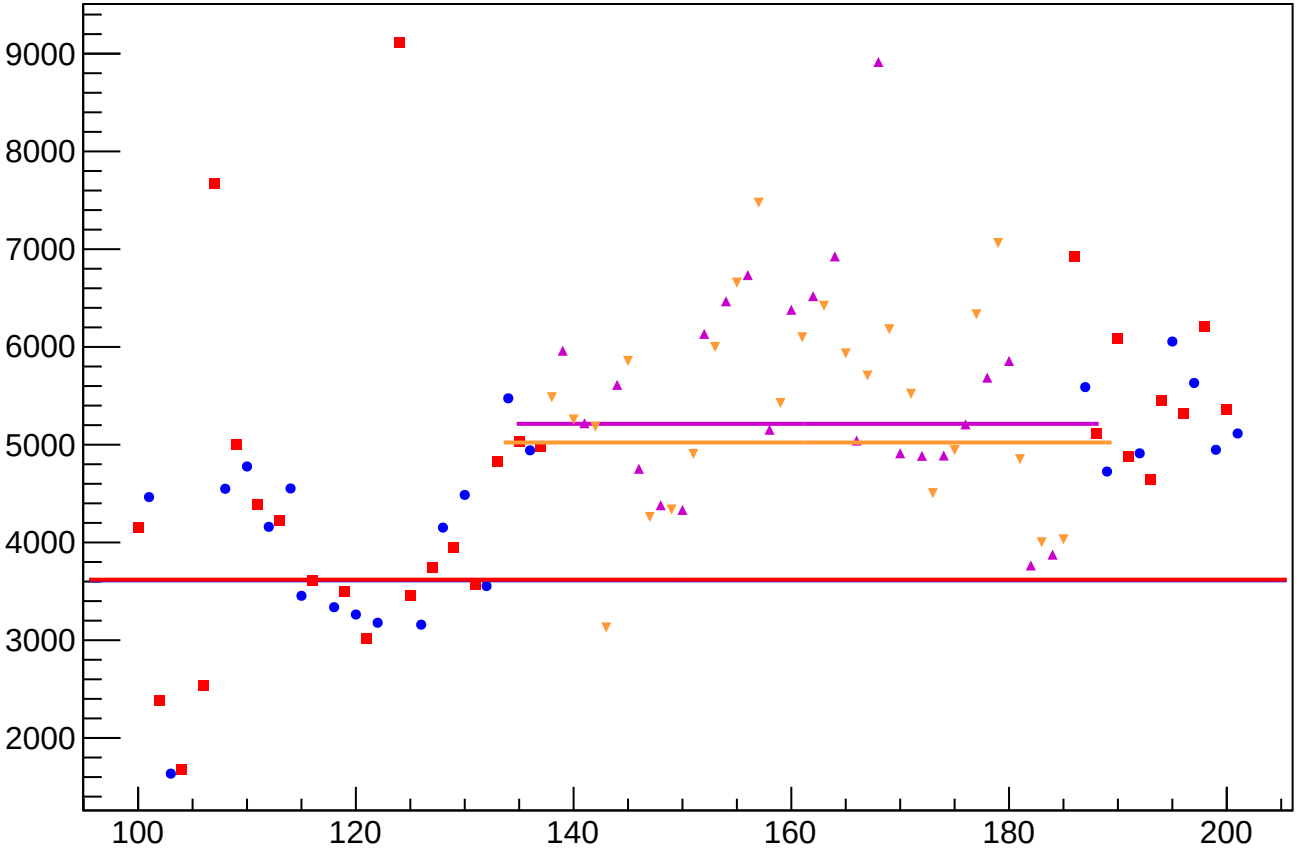
Right: 1830.074+/-772.066 χ^2/NDF: 62.7/50

In: 1981.249+/-826.021 χ^2/NDF:35.2/45

Out: 1974.318+/-793.636 χ^2/NDF:72.0/52

All: 1977.645+/-572.292 χ^2/NDF: 107.2/98

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: 3619.372+/-0.753 χ^2/NDF: 3699965.6/27

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

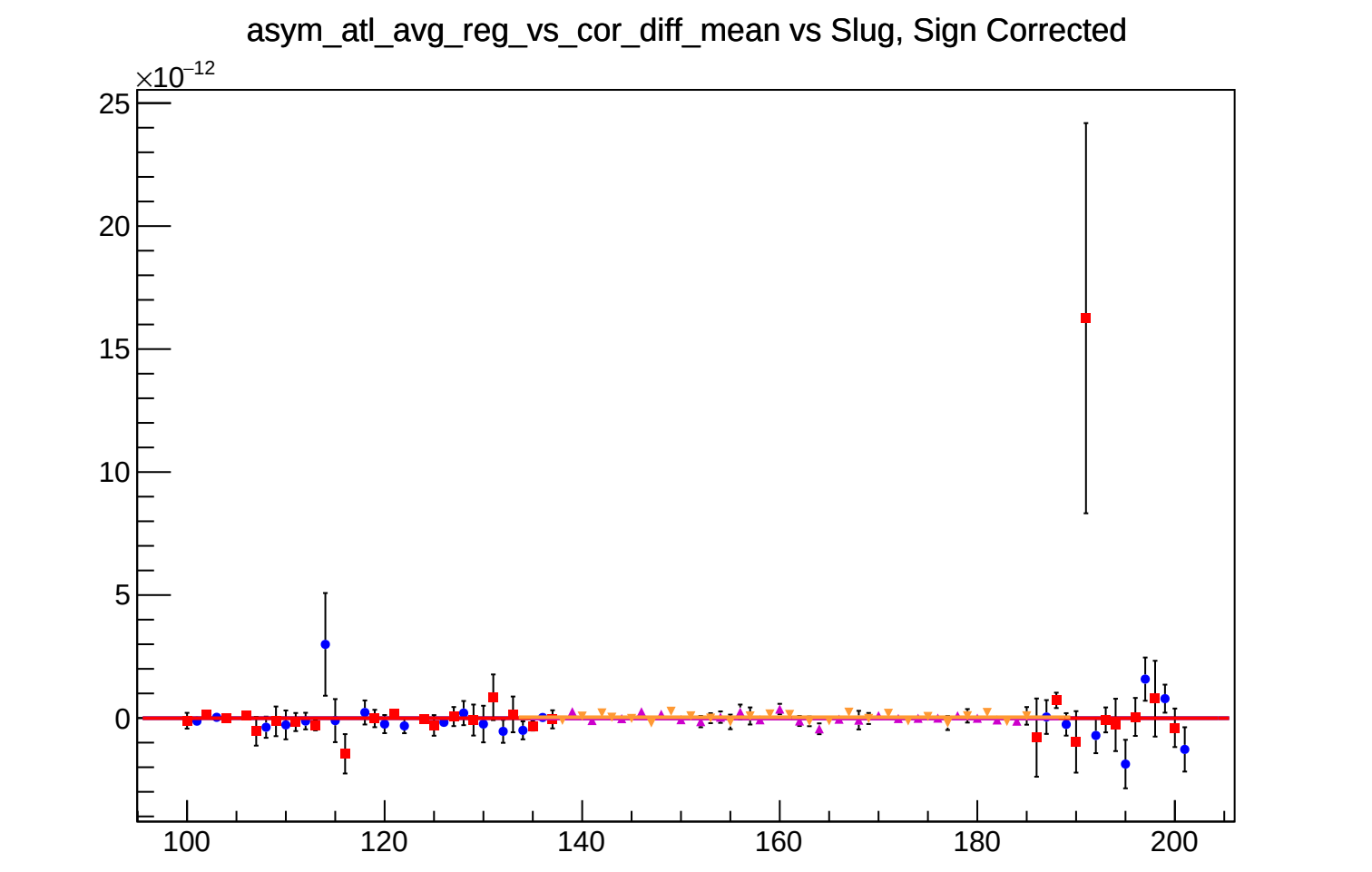
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3616.231+/-0.543 χ^2/NDF: 6864970.9/50

In: 4320.859+/-0.584 χ^2/NDF:6240962.0/45

Out: 4253.937+/-0.558 χ^2/NDF:6945190.7/52

All: 4285.844+/-0.403 χ^2/NDF: 13193021.3/9



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/27

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

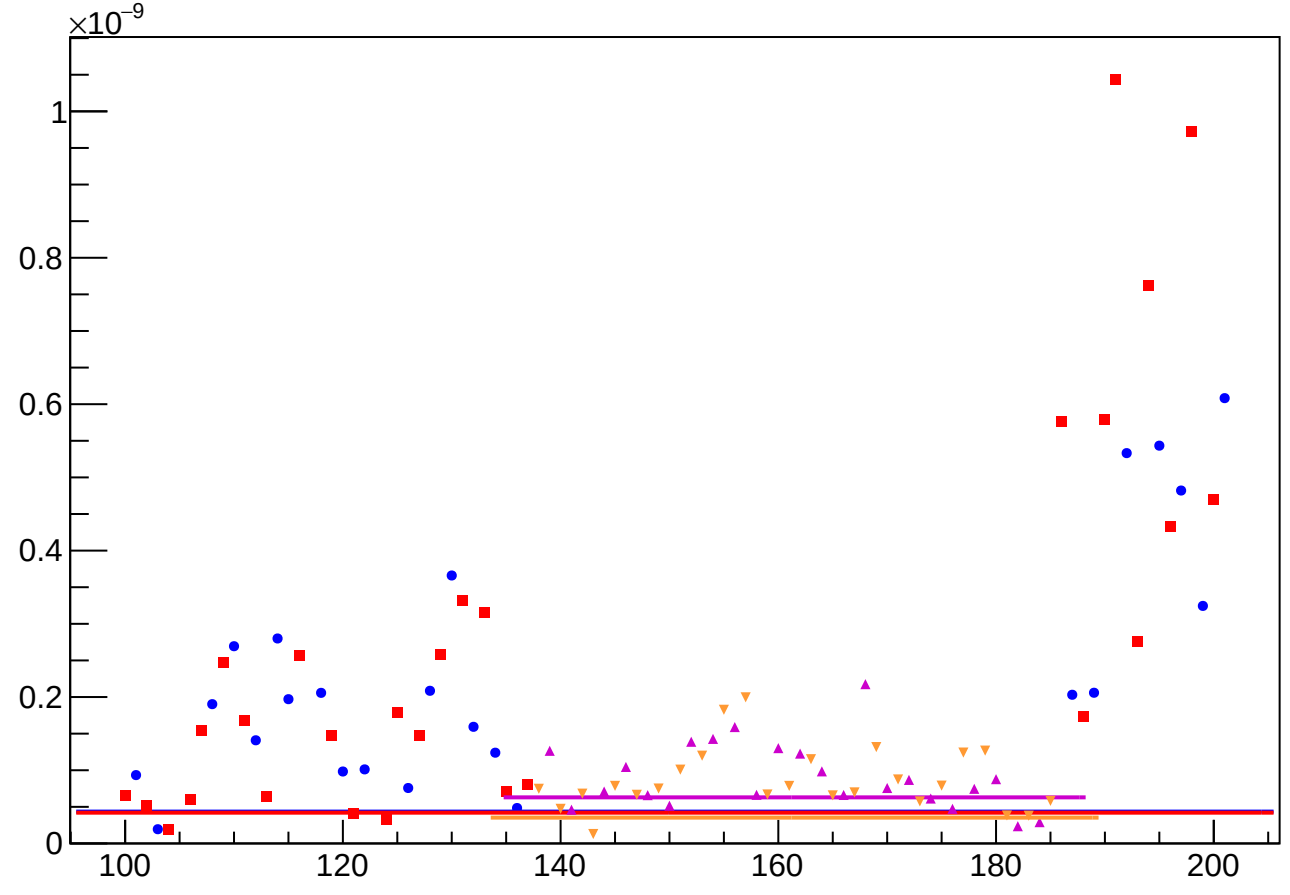
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 48.7/50

In: -0.000+/-0.000 χ^2/NDF:41.9/45

Out: 0.000+/-0.000 χ^2/NDF:52.1/52

All: 0.000+/-0.000 χ^2/NDF: 95.7/98



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: 6904858.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

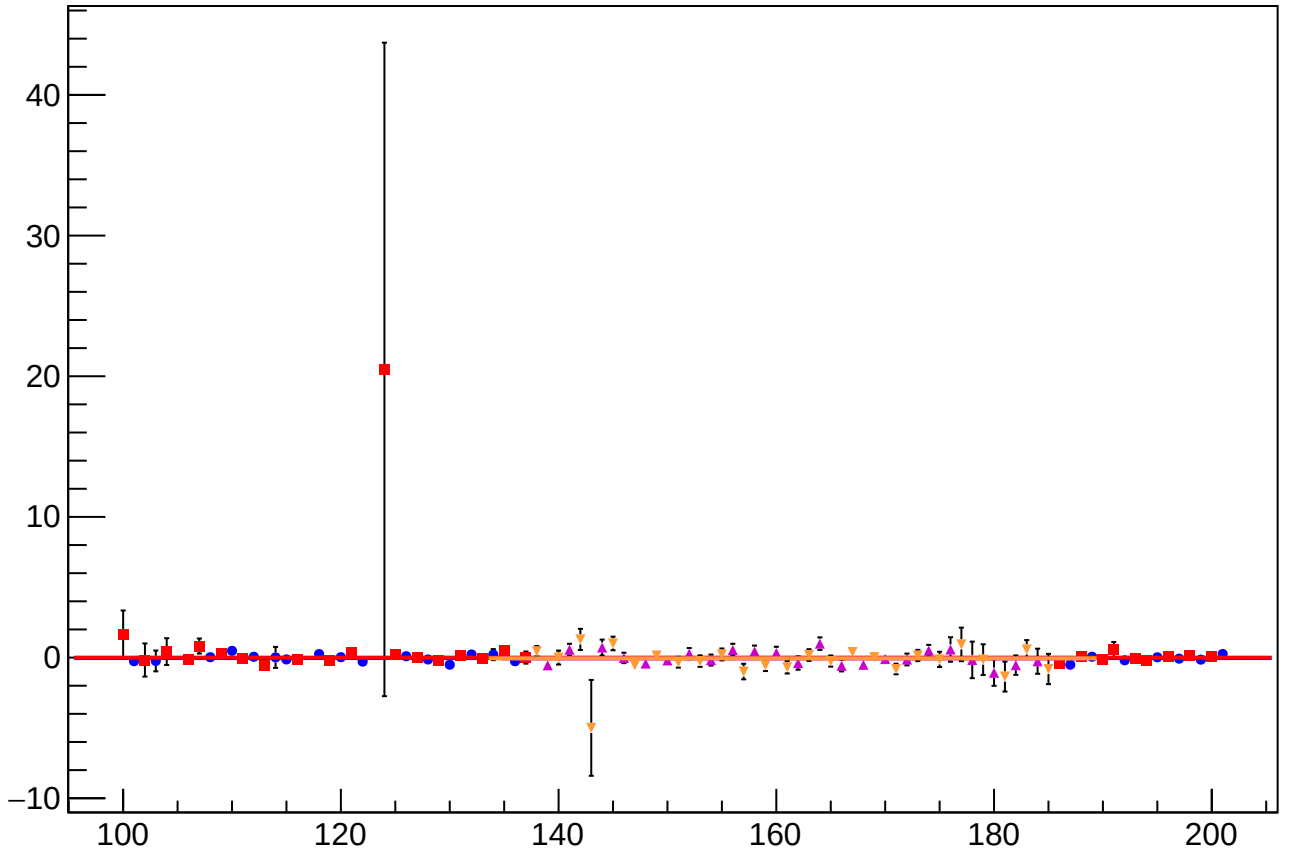
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13413052.2/50

In: 0.000+/-0.000 χ^2/NDF:9839116.2/45

Out: 0.000+/-0.000 χ^2/NDF:13482896.5/52

All: 0.000+/-0.000 χ^2/NDF: 24255105.9/98



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: -0.005+/-0.040 χ^2/NDF: 29.4/27

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

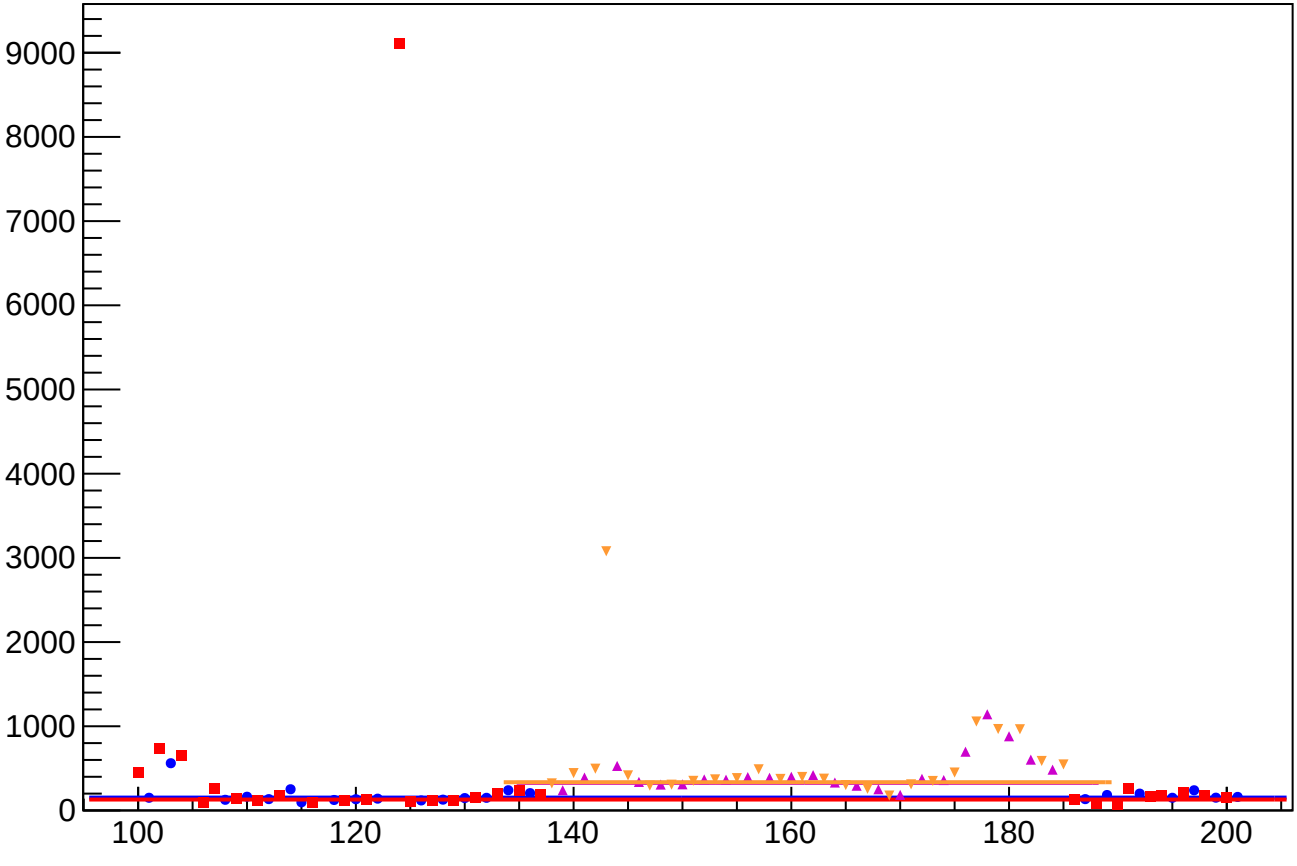
Right: -0.017+/-0.030 χ^2/NDF: 52.8/50

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.026+/-0.027 χ^2/NDF: 114.3/98

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: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

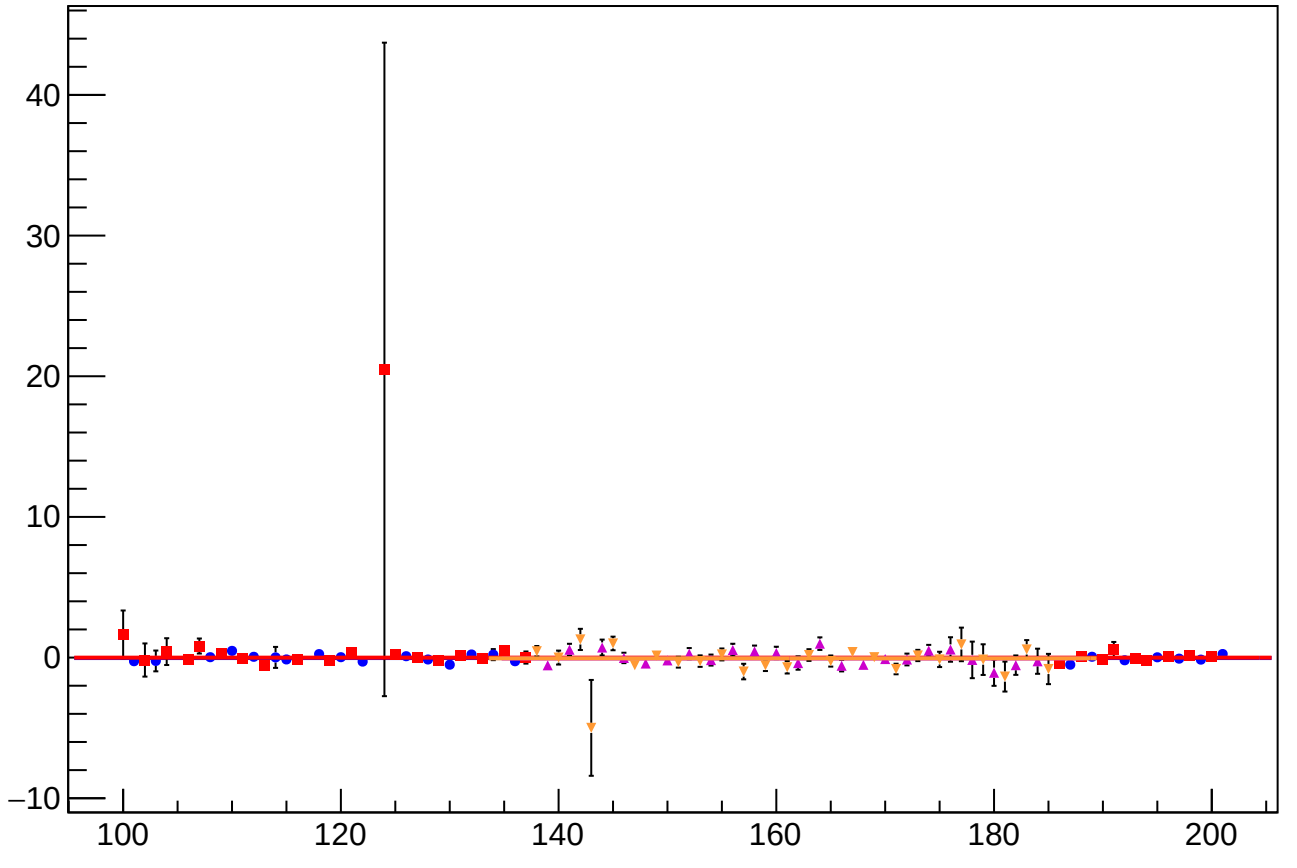
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 139.477+/-0.021 χ^2/NDF: 5451318.0/50

In: 194.927+/-0.029 χ^2/NDF:12424034.4/45

Out: 167.341+/-0.026 χ^2/NDF:19160465.0/52

All: 179.552+/-0.019 χ^2/NDF: 32098037.9/98



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: -0.005+/-0.040 χ^2/NDF: 29.4/27

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

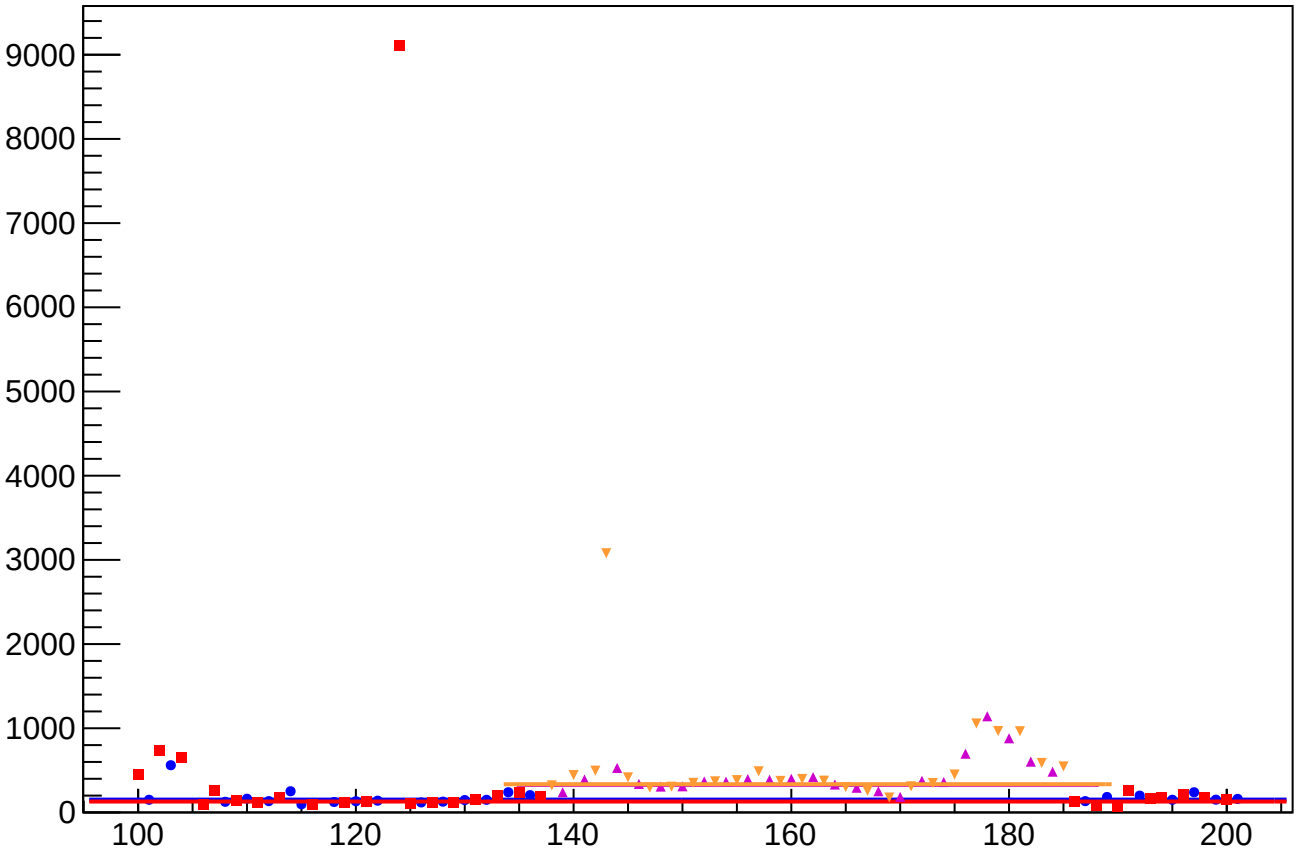
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.017+/-0.030 χ^2/NDF: 52.8/50

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.026+/-0.027 χ^2/NDF: 114.3/98



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: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

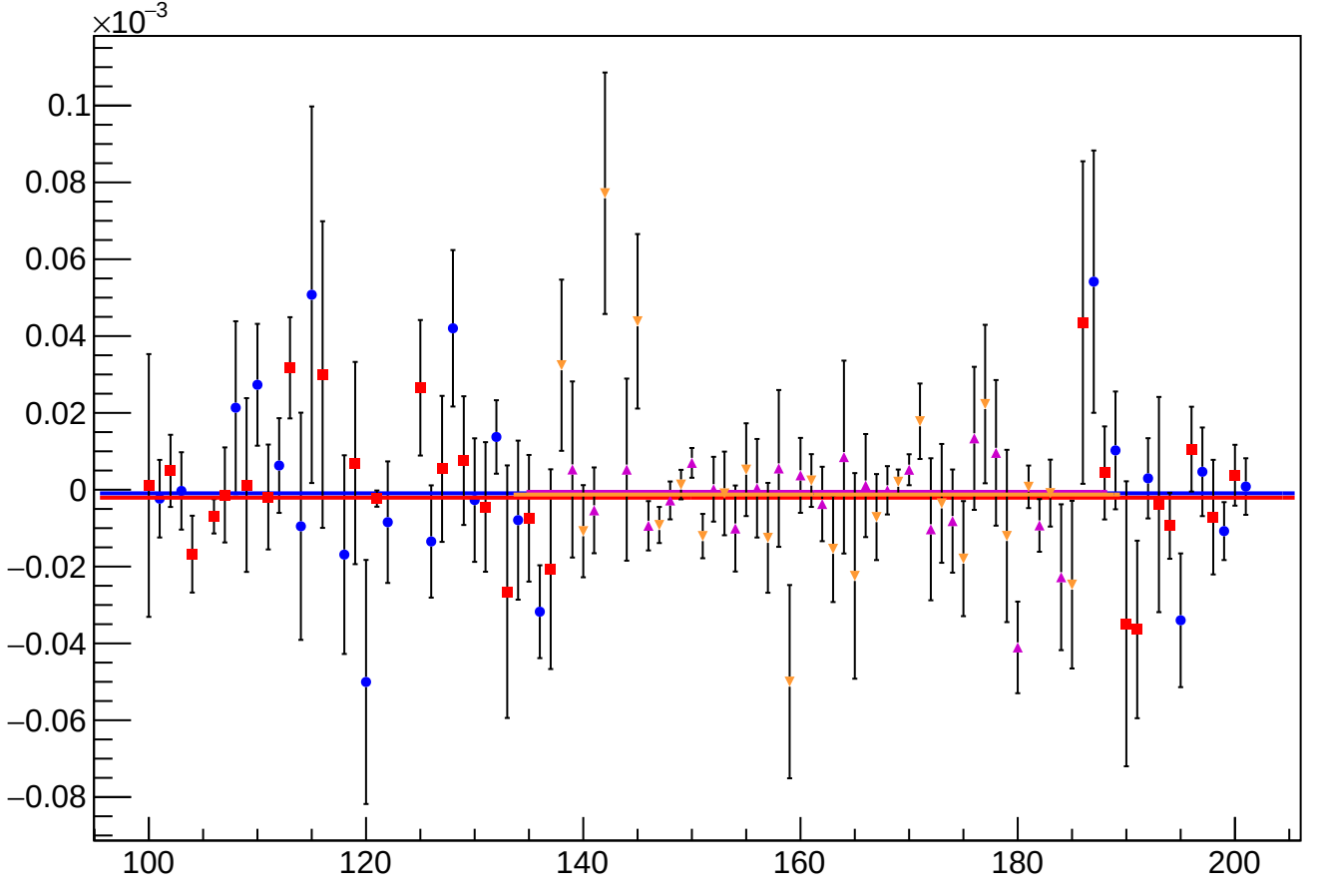
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 139.477+/-0.021 χ^2/NDF: 5451318.0/50

In: 194.927+/-0.029 χ^2/NDF:12424034.4/45

Out: 167.341+/-0.026 χ^2/NDF:19160465.0/52

All: 179.552+/-0.019 χ^2/NDF: 32098037.9/98



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: 22.7/26

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

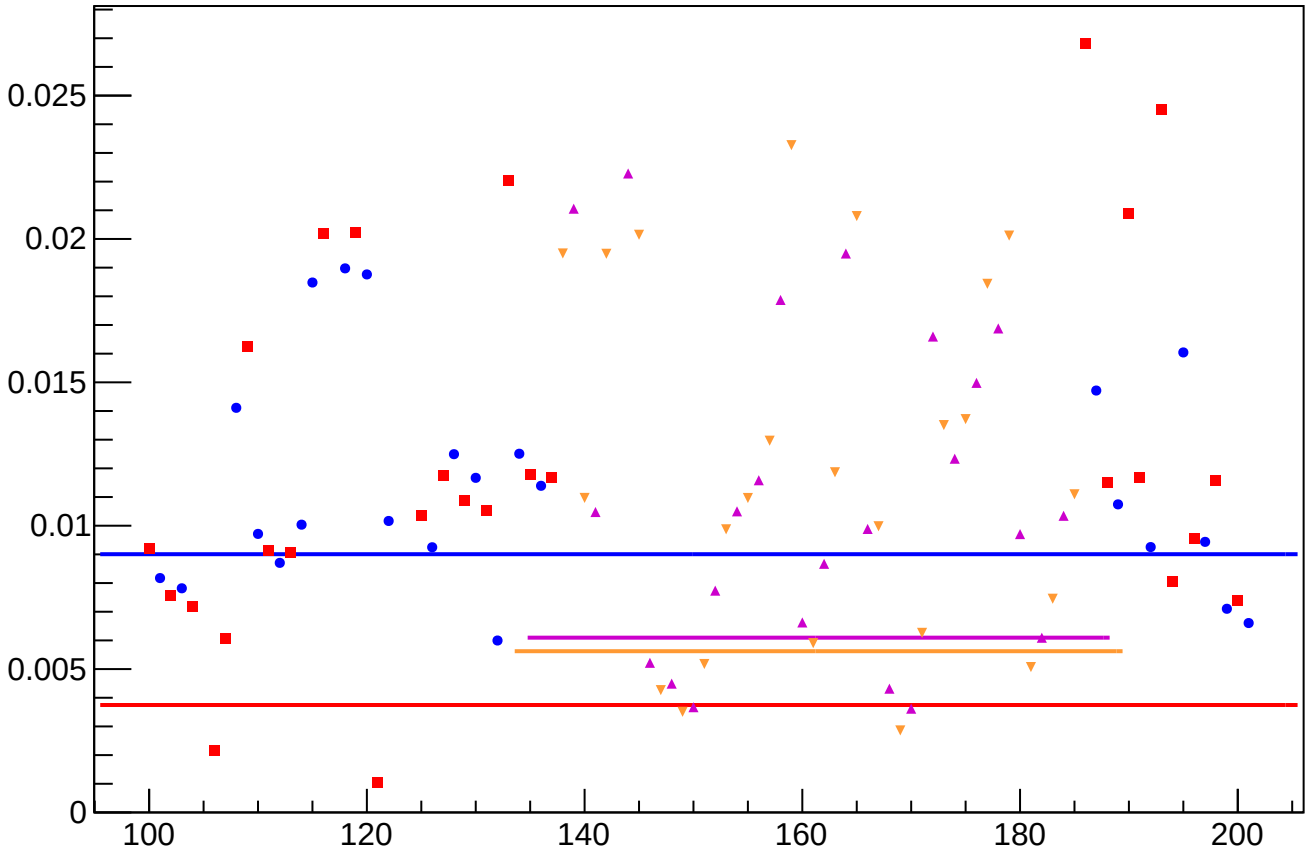
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 54.6/49

In: -0.000+/-0.000 χ^2/NDF:57.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.6/50

All: -0.000+/-0.000 χ^2/NDF: 116.1/96



Right In: 0.009+/-0.000 χ^2/NDF: 1923689.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14389294.1/26

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

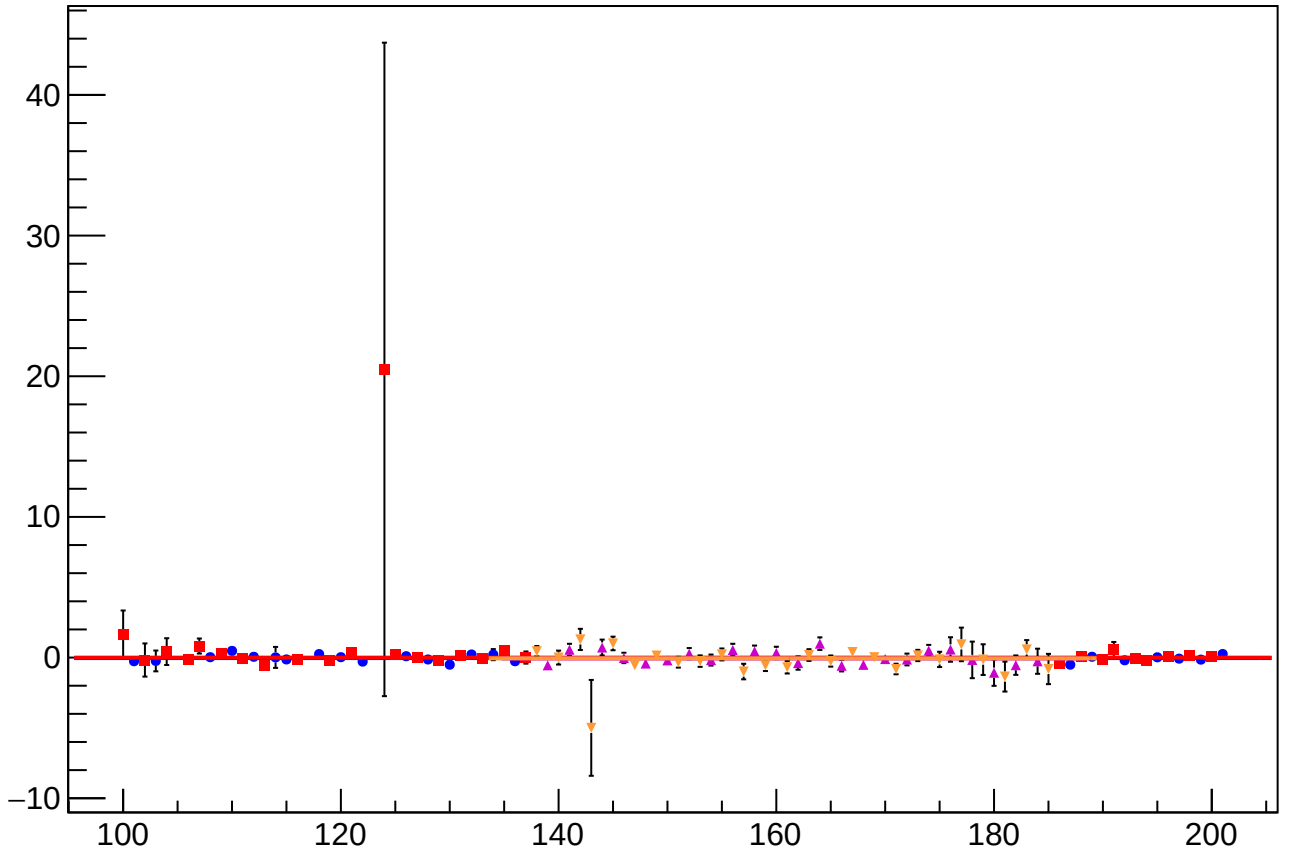
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 21789221.8/49

In: 0.007+/-0.000 χ^2/NDF:12330986.0/45

Out: 0.005+/-0.000 χ^2/NDF:26934883.0/50

All: 0.006+/-0.000 χ^2/NDF: 42207537.0/96



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: -0.005+/-0.040 χ^2/NDF: 29.4/27

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

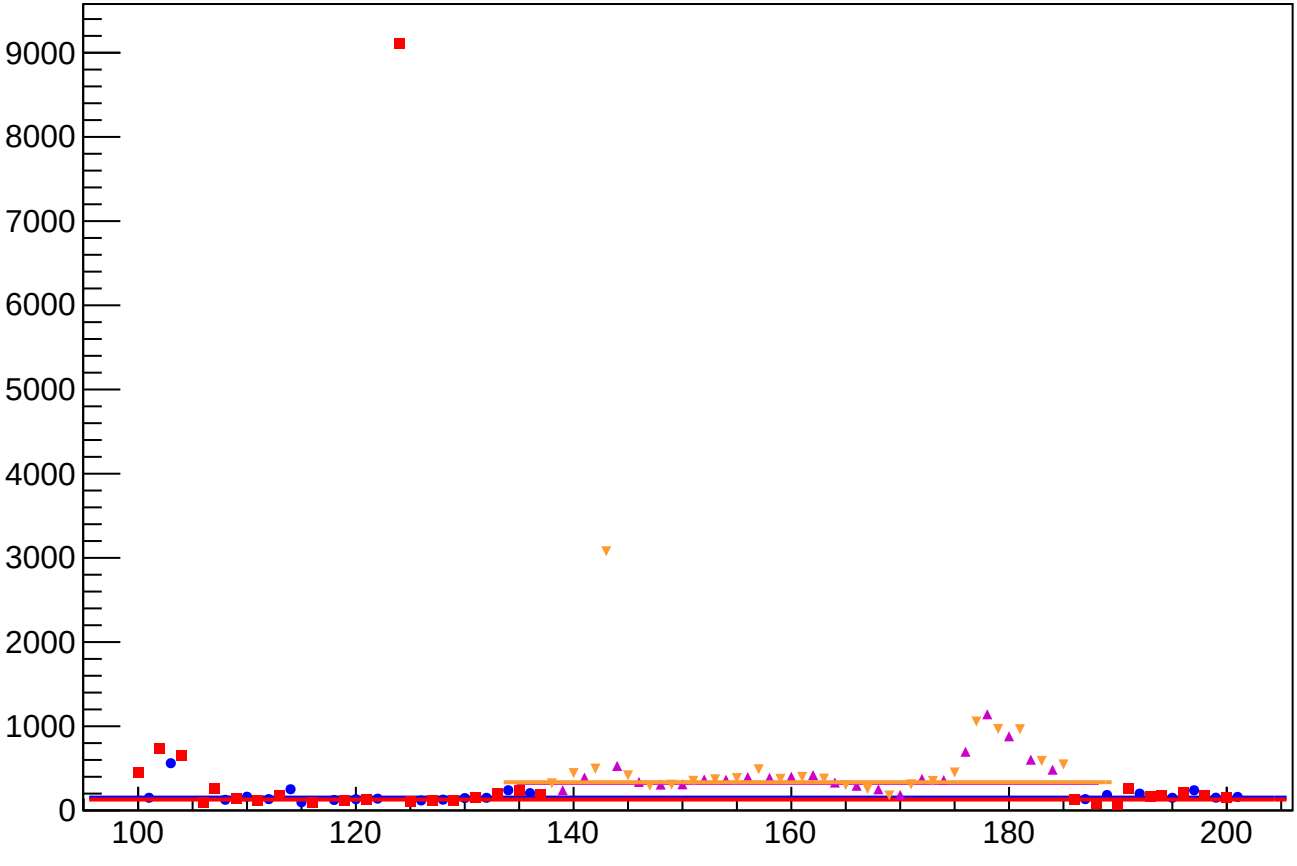
Right: -0.017+/-0.030 χ^2/NDF: 52.8/50

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.026+/-0.027 χ^2/NDF: 114.3/98

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: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

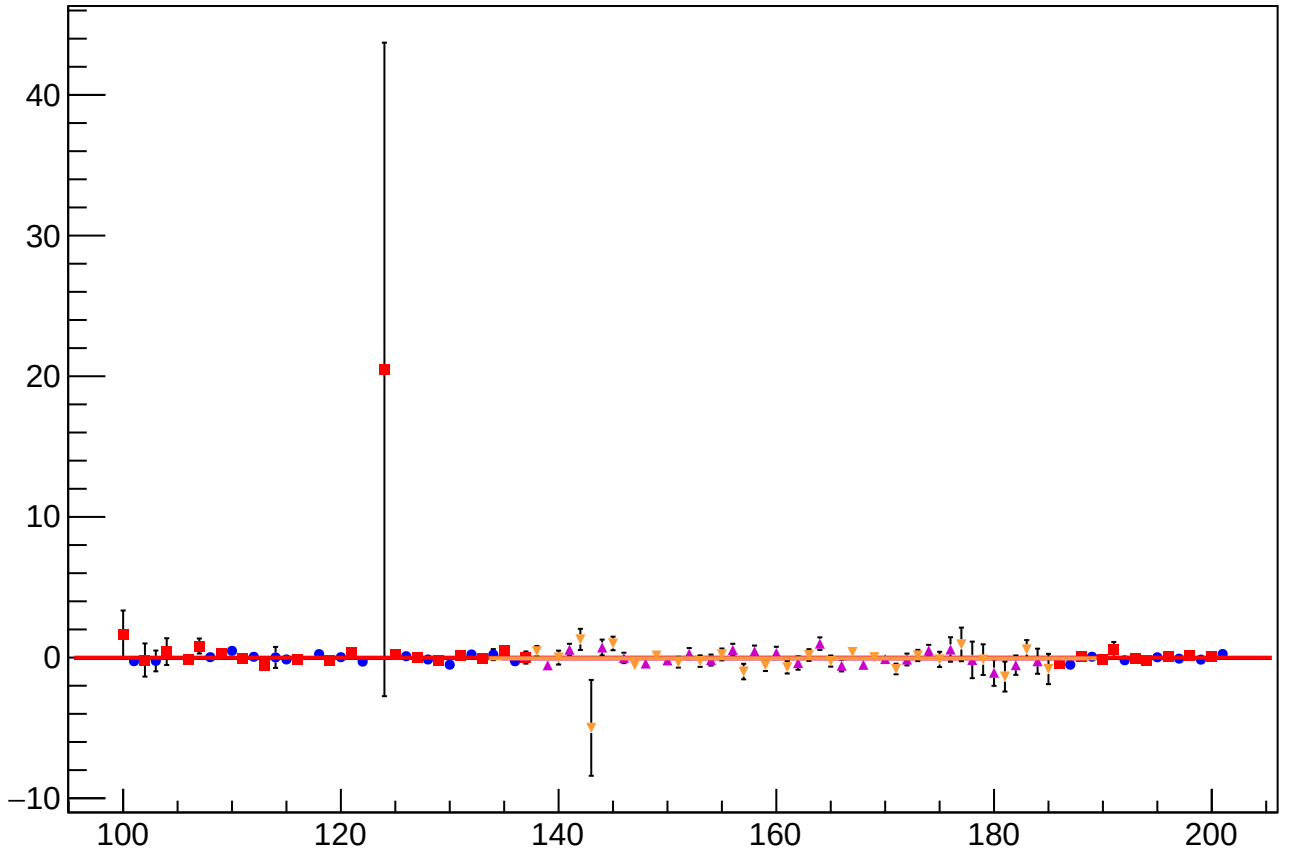
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 139.475+/-0.021 χ^2/NDF: 5451406.2/50

In: 194.926+/-0.029 χ^2/NDF:12424287.3/45

Out: 167.339+/-0.026 χ^2/NDF:19160869.9/52

All: 179.551+/-0.019 χ^2/NDF: 32098749.7/98



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: -0.005+/-0.040 χ^2/NDF: 29.4/27

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

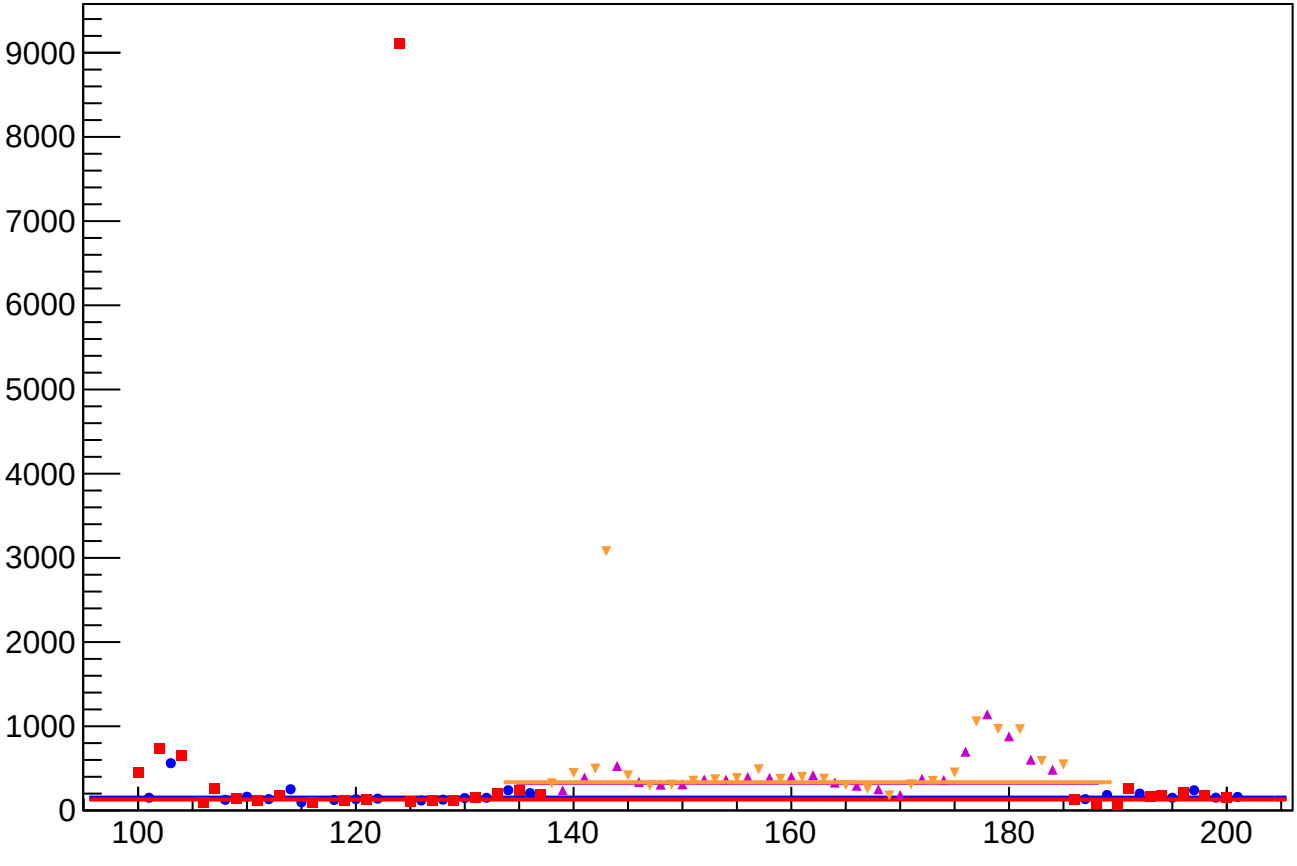
Right: -0.017+/-0.030 χ^2/NDF: 52.8/50

In: -0.041+/-0.041 χ^2/NDF:51.2/45

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.026+/-0.027 χ^2/NDF: 114.3/98

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: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

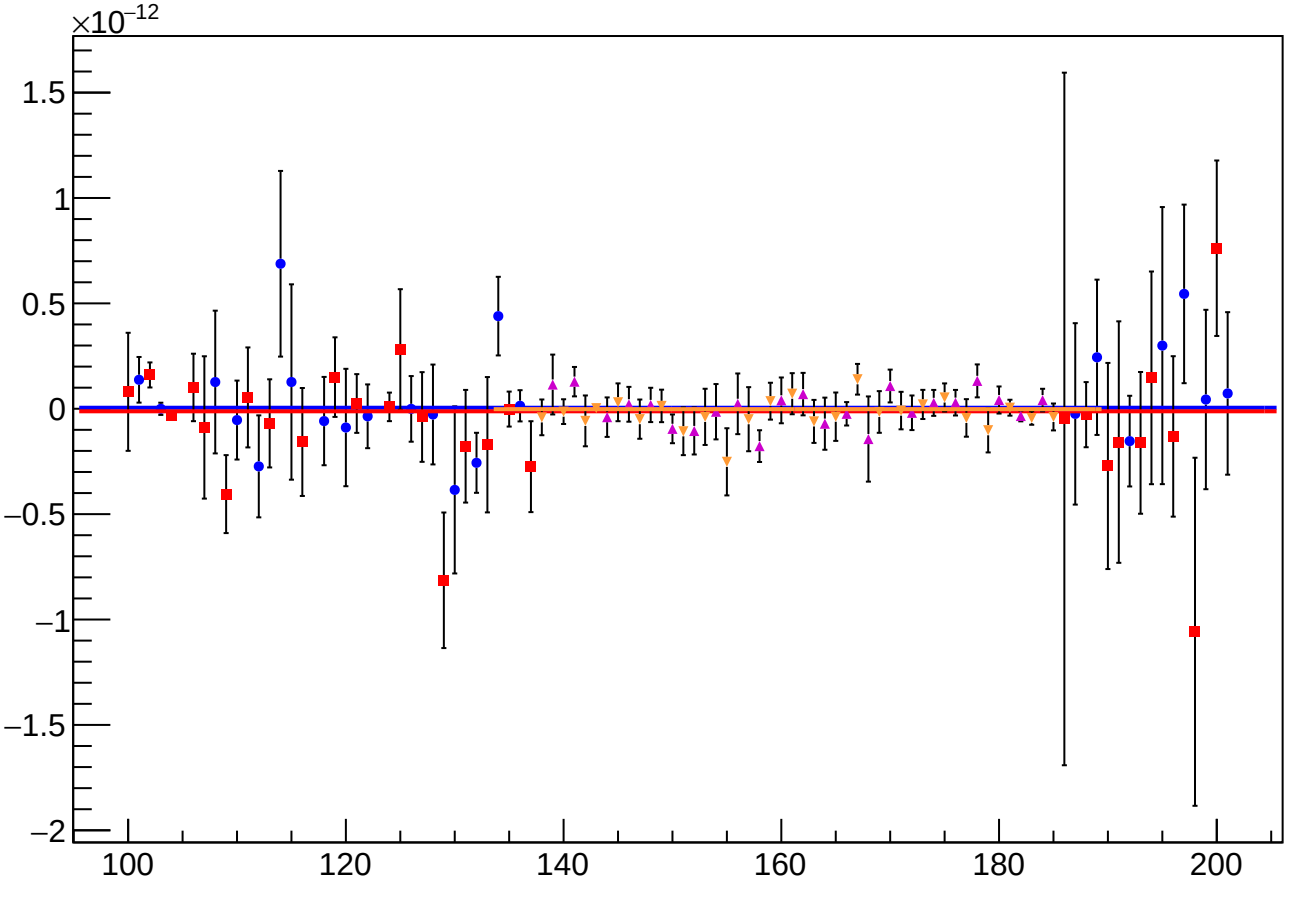
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 139.475+/-0.021 χ^2/NDF: 5451406.2/50

In: 194.926+/-0.029 χ^2/NDF:12424287.3/45

Out: 167.339+/-0.026 χ^2/NDF:19160869.9/52

All: 179.551+/-0.019 χ^2/NDF: 32098749.7/98



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: 30.9/27

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

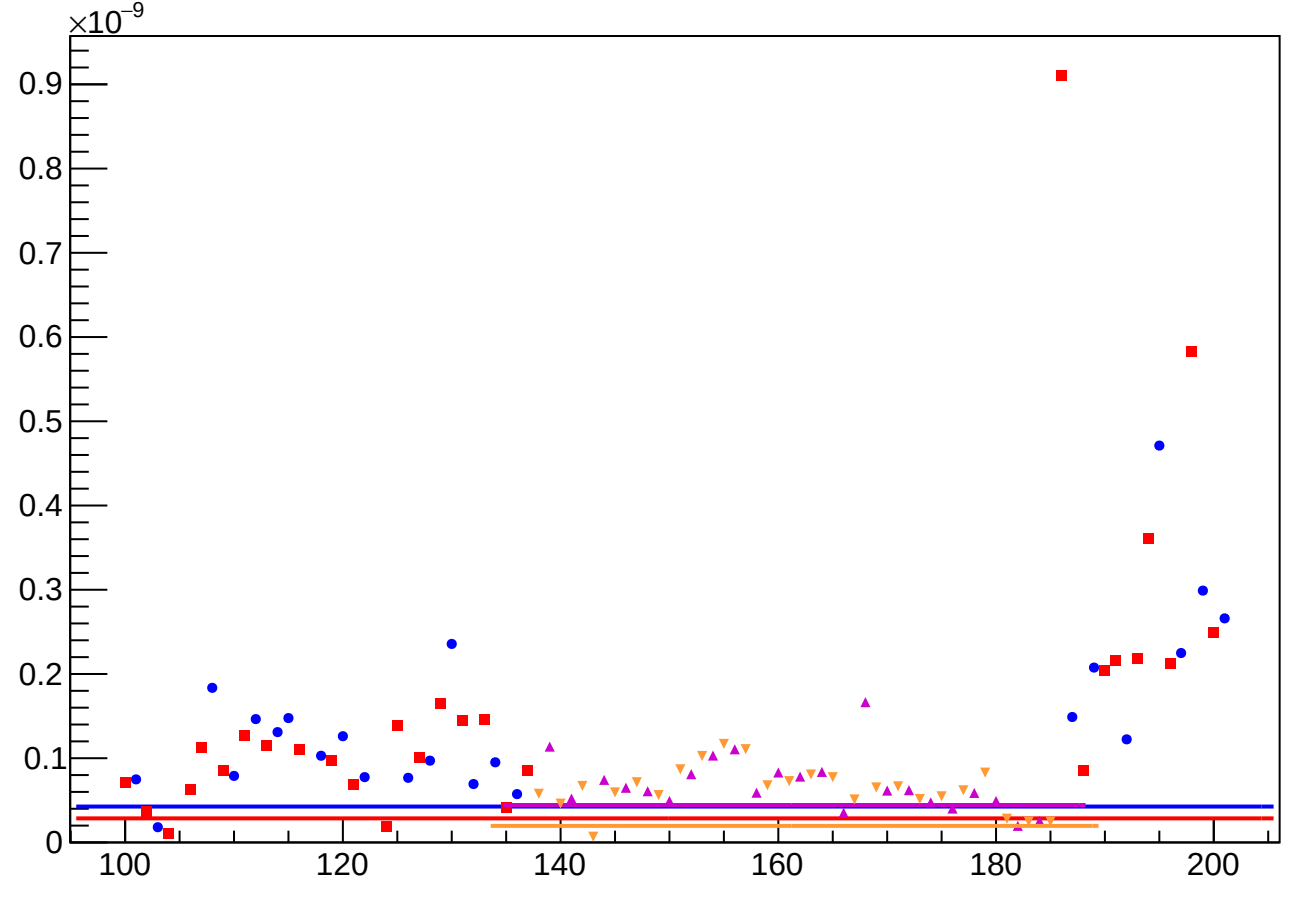
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 49.7/50

In: -0.000+/-0.000 χ^2/NDF:41.0/45

Out: -0.000+/-0.000 χ^2/NDF:44.8/52

All: -0.000+/-0.000 χ^2/NDF: 85.9/98



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: 9523412.1/27

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

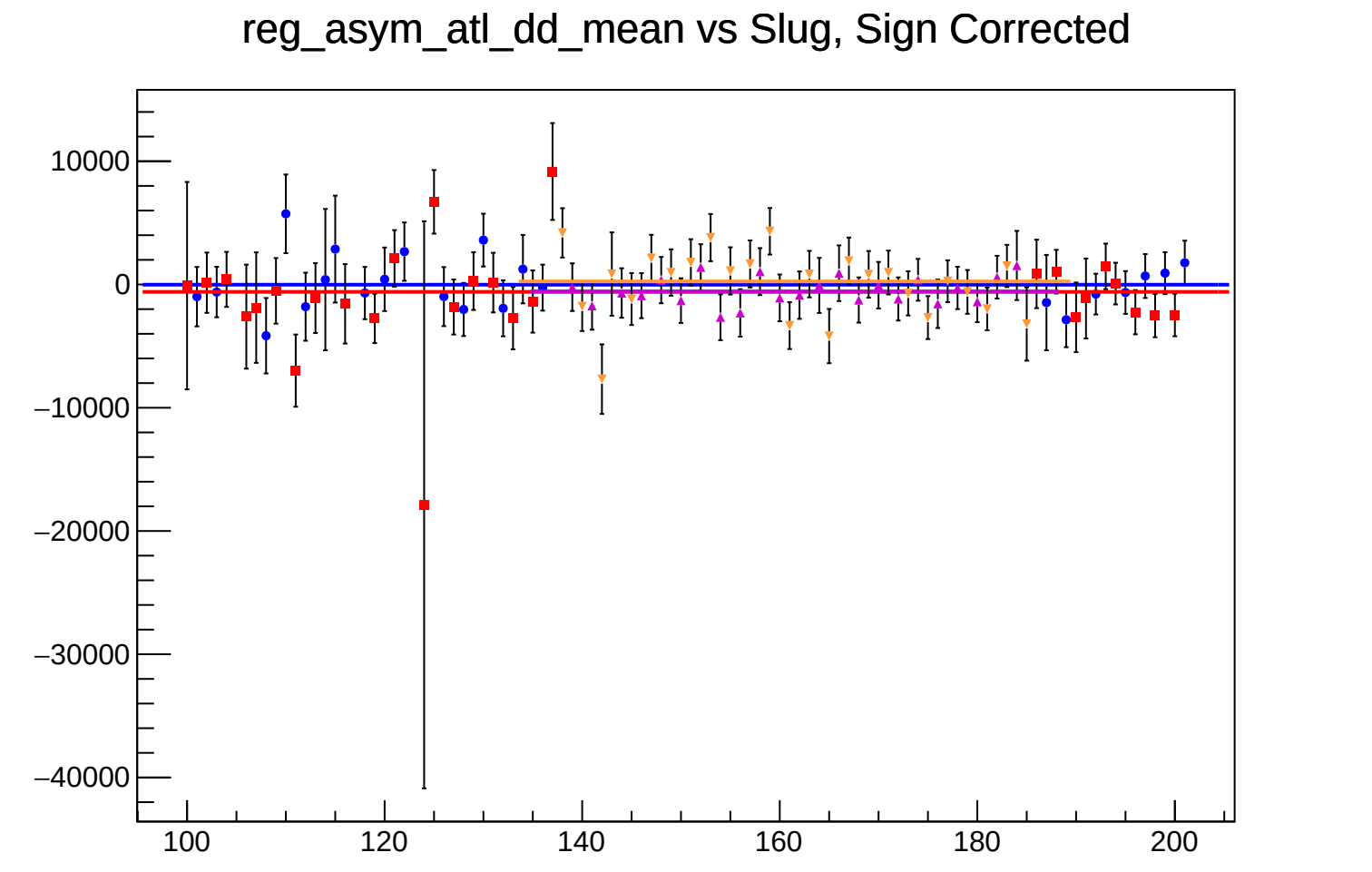
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17405671.7/50

In: 0.000+/-0.000 χ^2/NDF:13368250.1/45

Out: 0.000+/-0.000 χ^2/NDF:24803290.6/52

All: 0.000+/-0.000 χ^2/NDF: 43237156.8/98



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: -597.383+/-457.724 χ^2/NDF: 30.5/27

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

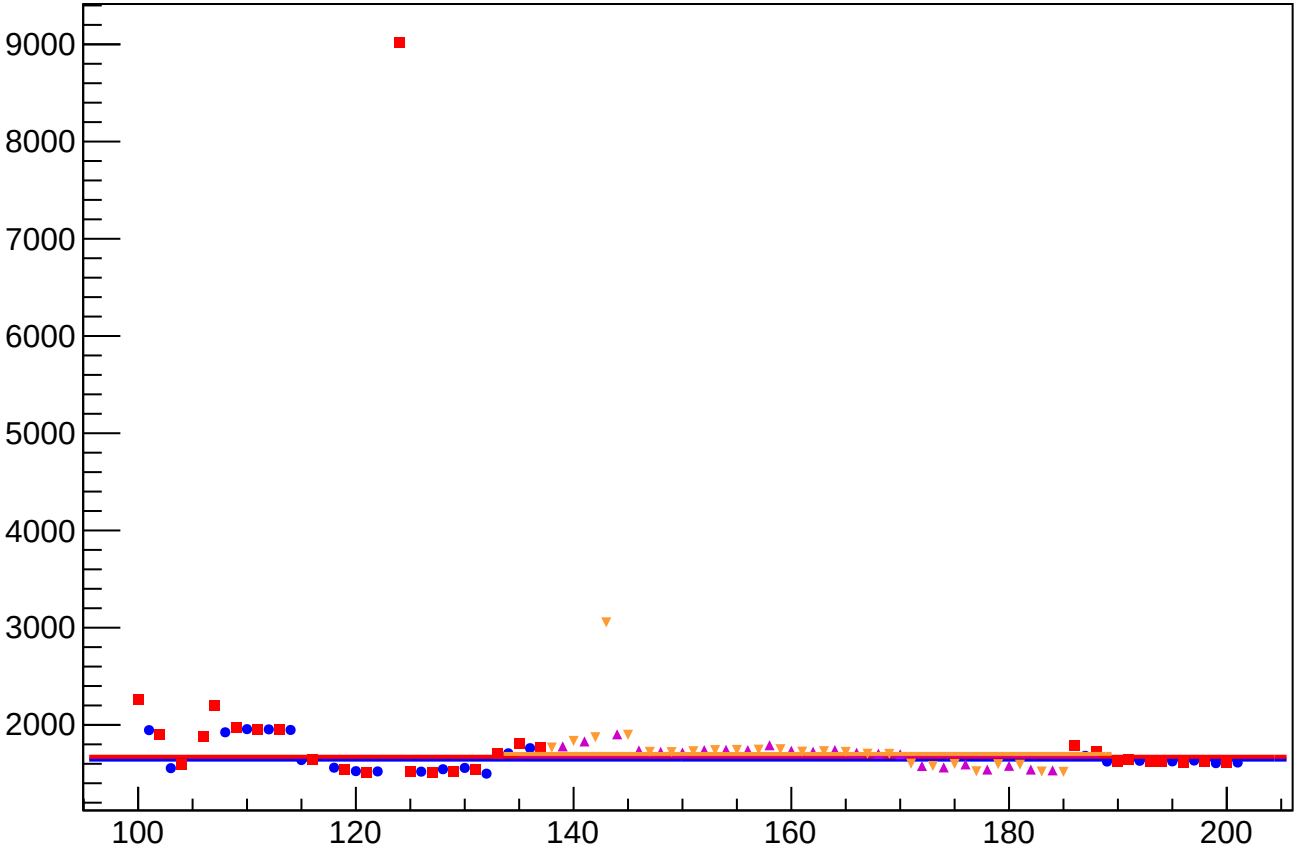
Right: -314.435+/-327.674 χ^2/NDF: 47.3/50

In: -334.756+/-302.252 χ^2/NDF:24.3/45

Out: -106.207+/-296.339 χ^2/NDF:72.1/52

All: -218.224+/-211.603 χ^2/NDF: 96.7/98

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: 1672.621+/-0.323 χ^2/NDF: 403759.2/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

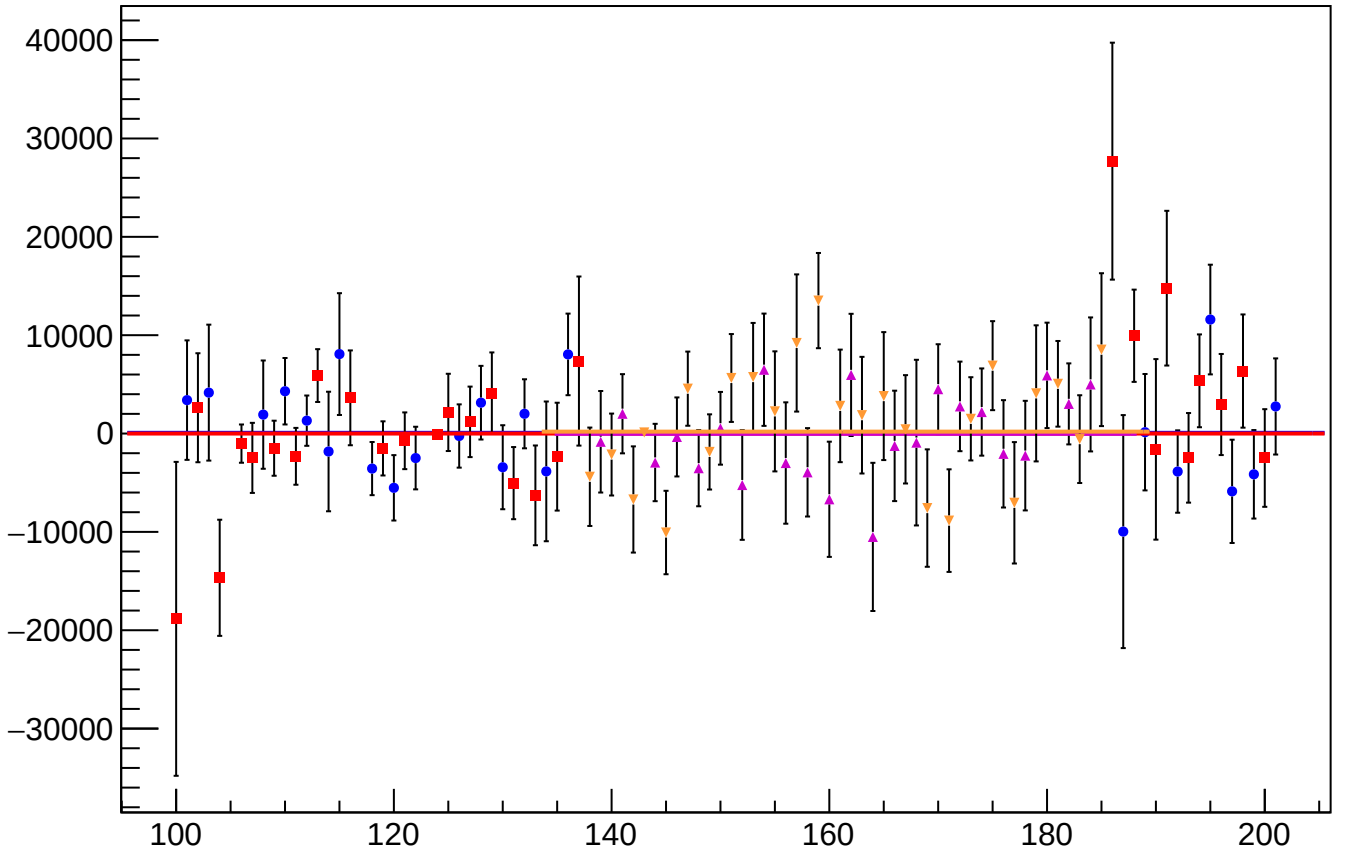
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1658.221+/-0.231 χ^2/NDF: 555086.2/50

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1689.409+/-0.209 χ^2/NDF:860802.3/52

All: 1679.943+/-0.150 χ^2/NDF: 1145900.5/98



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: -1.192+/-319.034 χ^2/NDF: 37.7/27

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

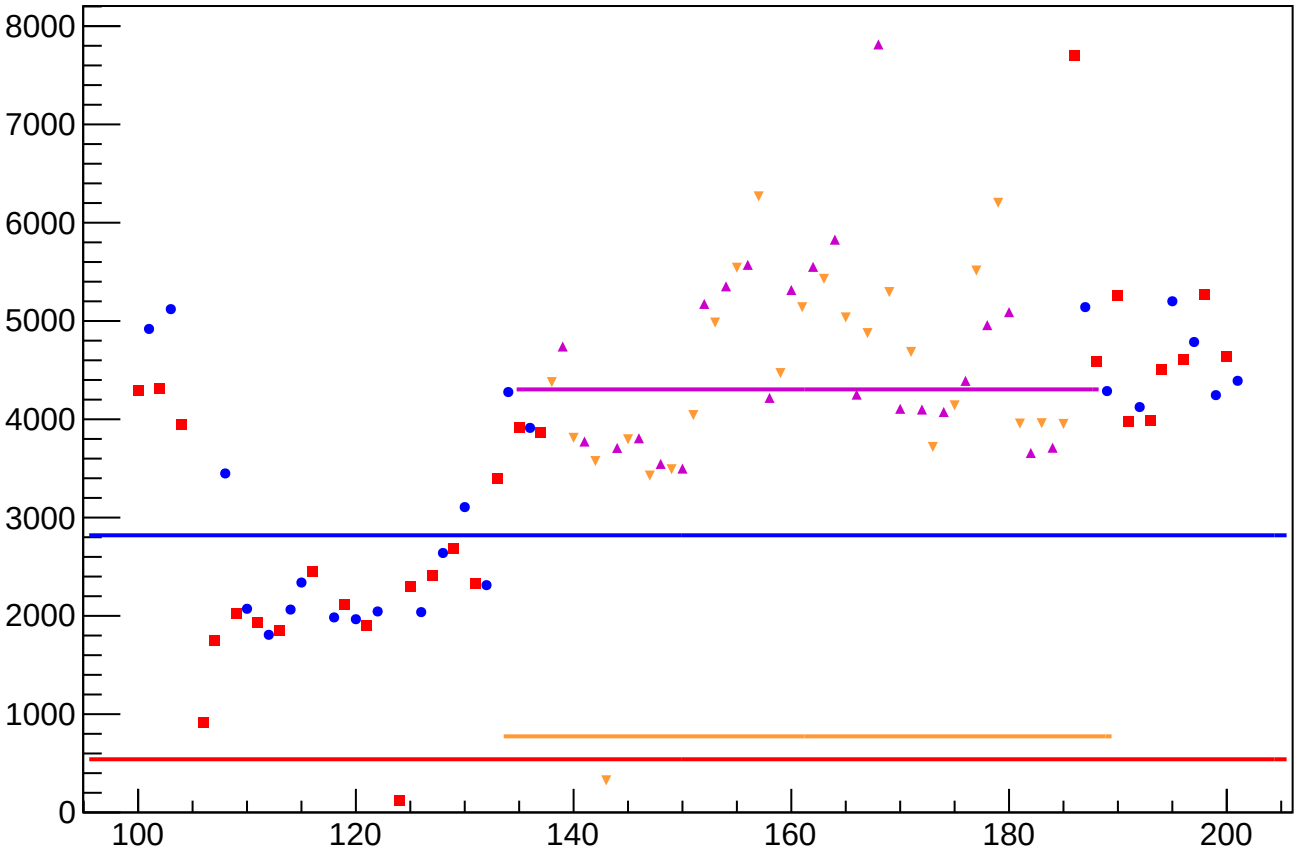
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 7.527+/-299.343 χ^2/NDF: 61.3/50

In: 29.921+/-661.404 χ^2/NDF:36.9/45

Out: 89.079+/-233.646 χ^2/NDF:71.8/52

All: 82.516+/-220.304 χ^2/NDF: 108.7/98



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: 541.027+/-0.226 χ^2/NDF: 20973027.4/27

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

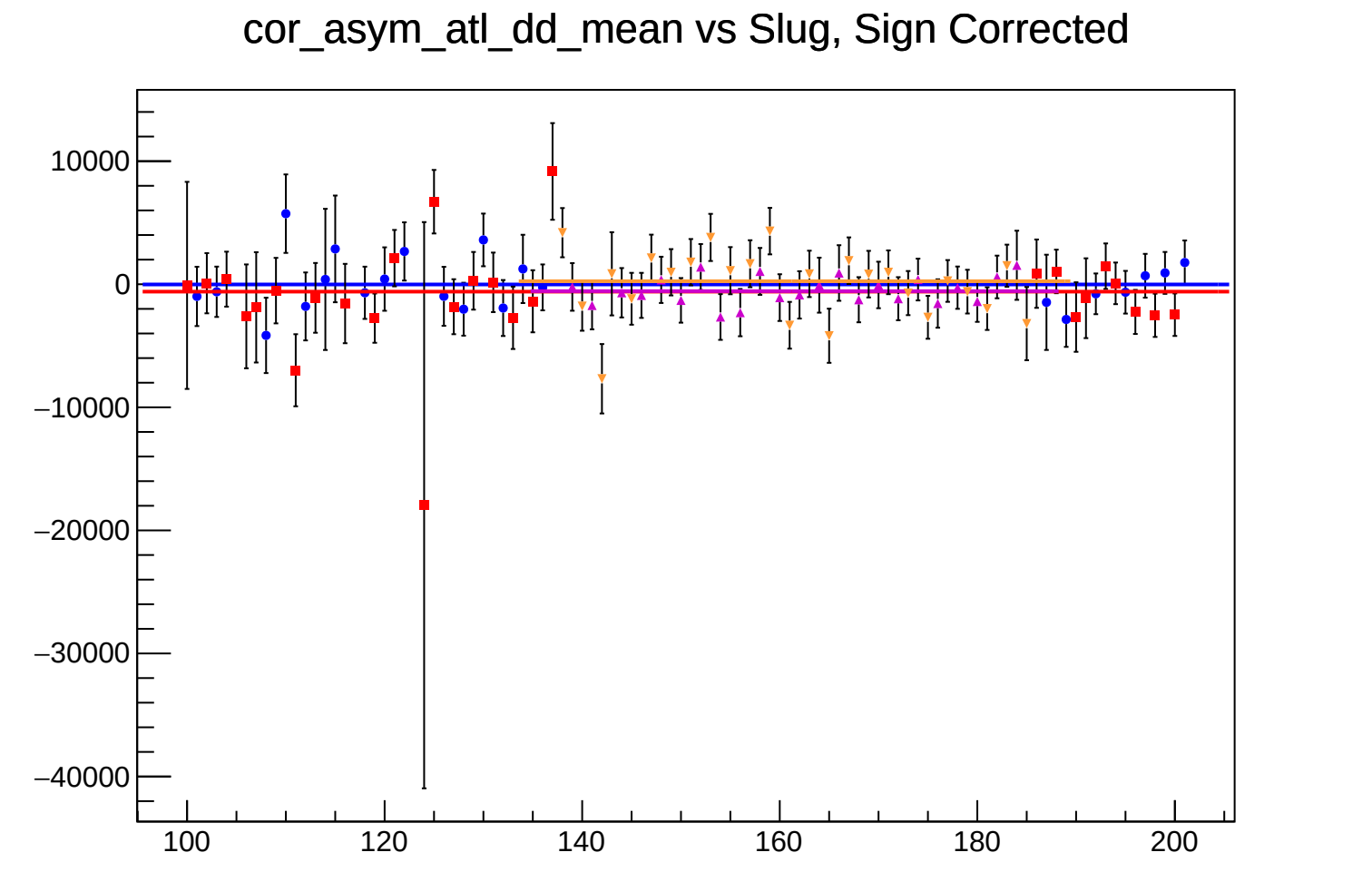
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 813.623+/-0.212 χ^2/NDF: 36404547.1/50

In: 3437.170+/-0.468 χ^2/NDF:6889302.6/45

Out: 649.154+/-0.165 χ^2/NDF:49554096.8/52

All: 958.473+/-0.156 χ^2/NDF: 88038189.4/98



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: -599.619+/-457.727 χ^2/NDF: 30.5/27

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

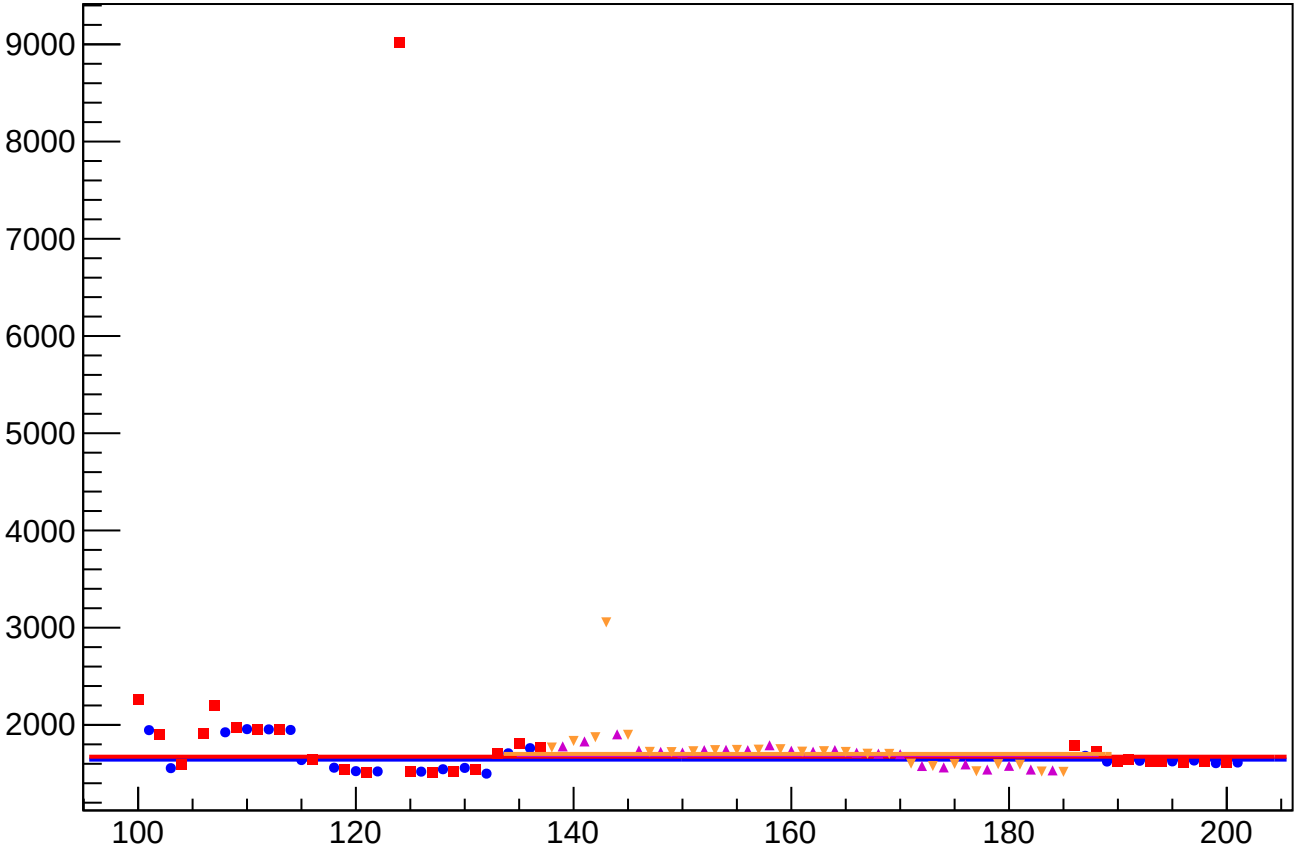
Right: -315.556+/-327.675 χ^2/NDF: 47.3/50

In: -334.717+/-302.252 χ^2/NDF:24.3/45

Out: -107.152+/-296.340 χ^2/NDF:72.1/52

All: -218.687+/-211.603 χ^2/NDF: 96.7/98

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: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

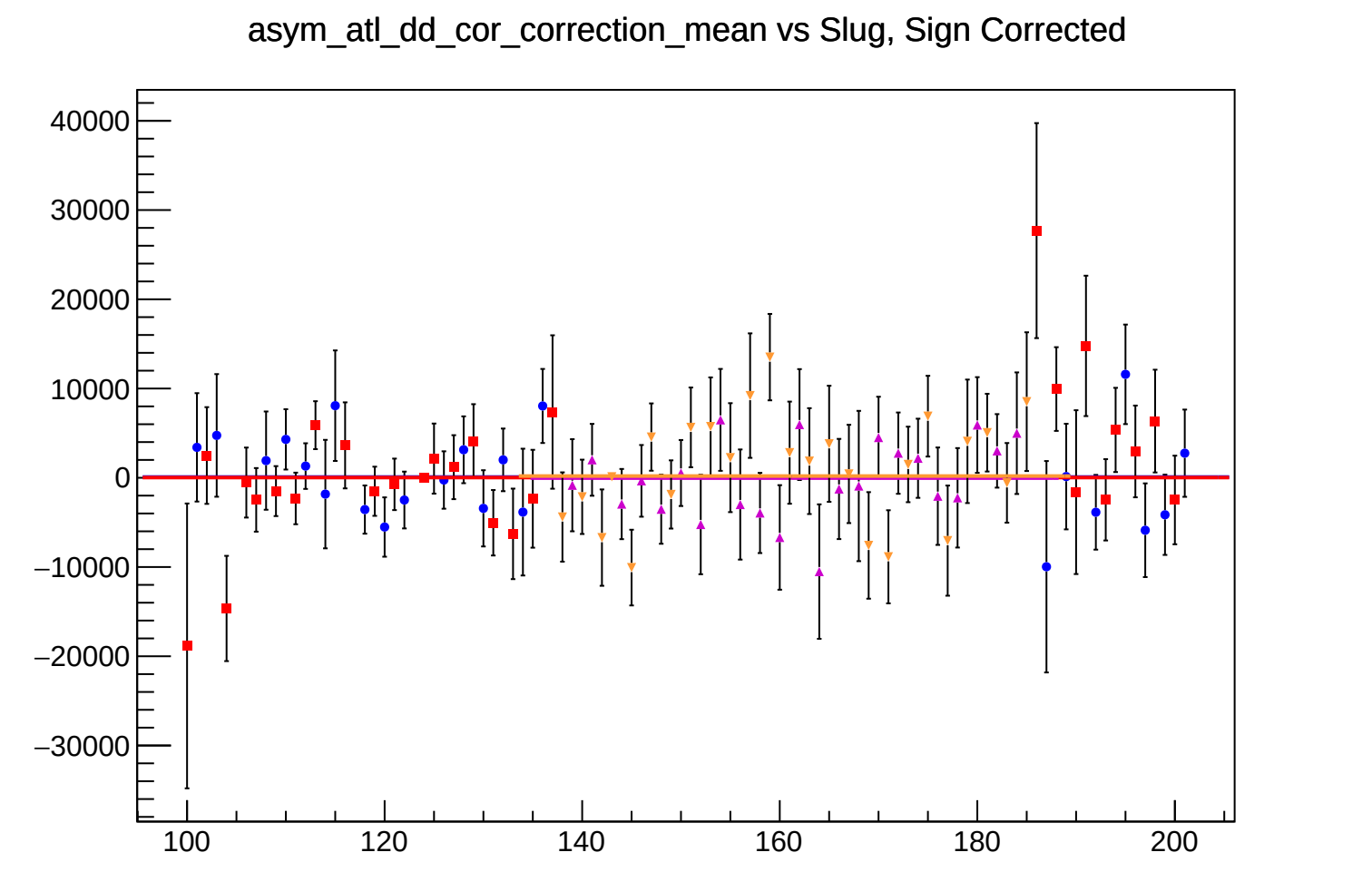
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1658.425+/-0.231 χ^2/NDF: 557138.3/50

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1689.583+/-0.209 χ^2/NDF:862612.5/52

All: 1680.030+/-0.150 χ^2/NDF: 1147785.6/98



Right In: 81.992+/-865.389 χ^2/NDF: 23.7/22

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 25.364+/-311.408 χ^2/NDF: 37.4/27

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

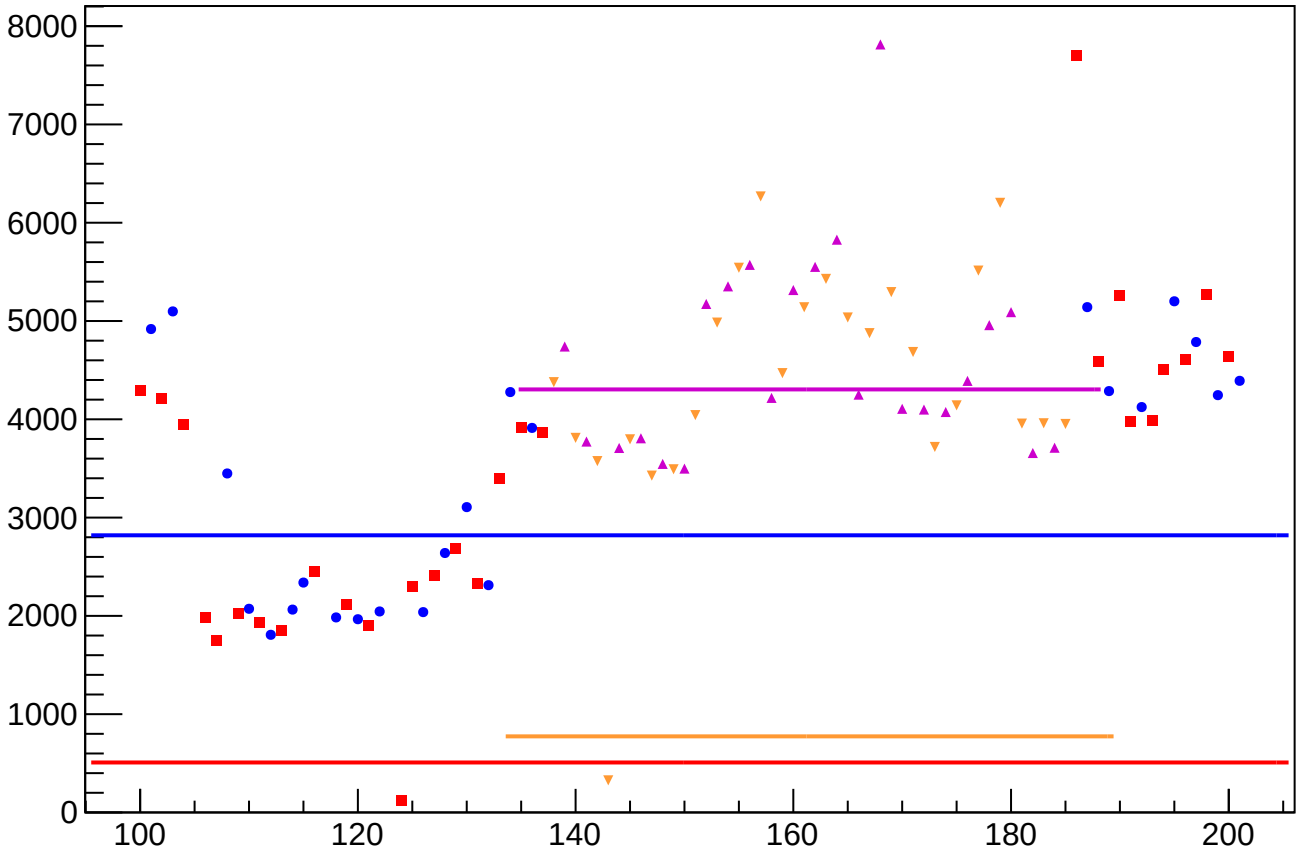
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 31.856+/-293.014 χ^2/NDF: 61.1/50

In: 35.924+/-661.365 χ^2/NDF:37.0/45

Out: 101.496+/-230.593 χ^2/NDF:71.5/52

All: 94.388+/-217.738 χ^2/NDF: 108.5/98



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: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

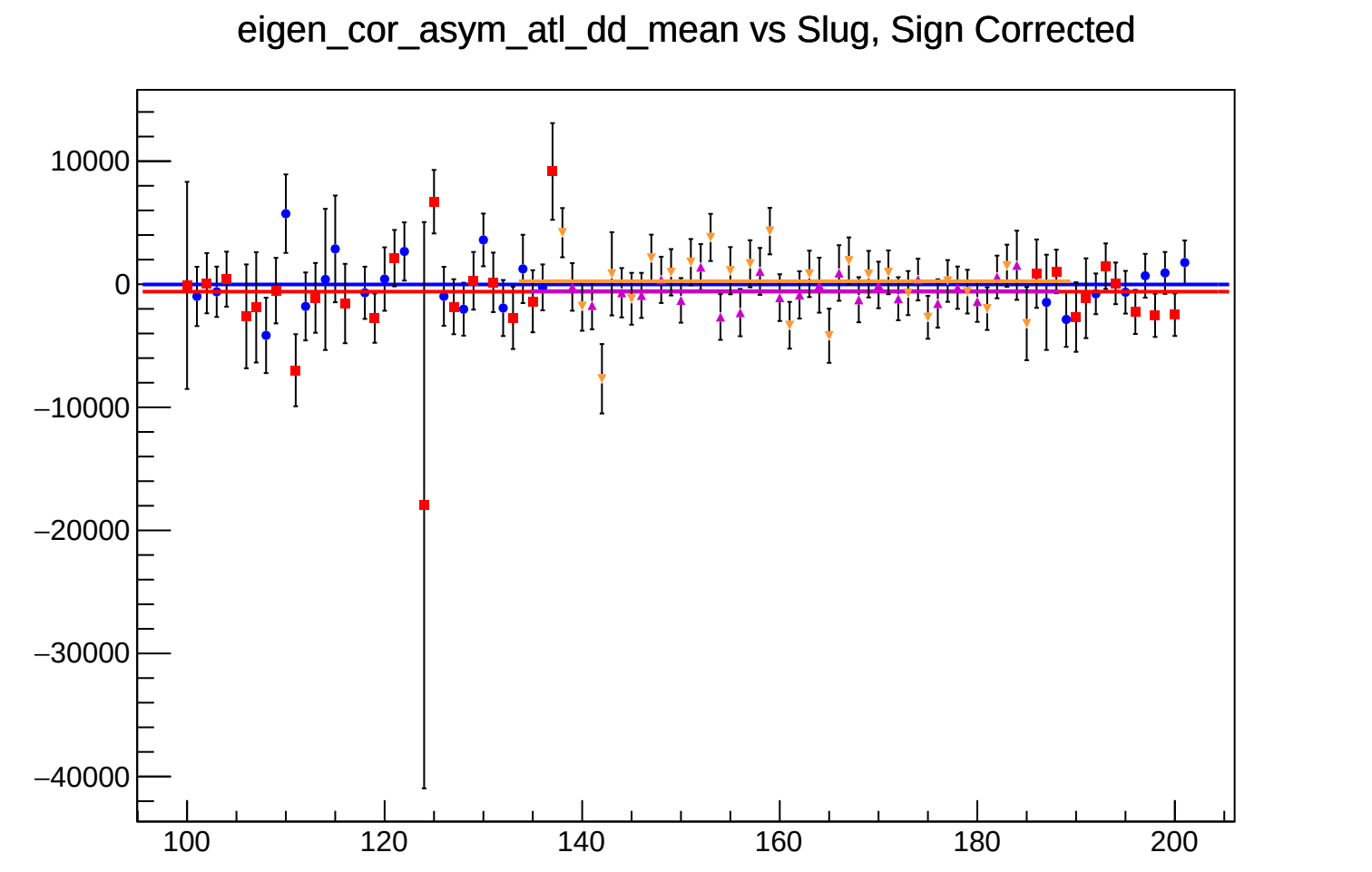
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 773.438+/-0.207 χ^2/NDF: 37313789.0/50

In: 3437.129+/-0.468 χ^2/NDF:6887407.3/45

Out: 628.461+/-0.163 χ^2/NDF:50202541.2/52

All: 932.891+/-0.154 χ^2/NDF: 89250558.7/98



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: -599.619+/-457.727 χ^2/NDF: 30.5/27

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

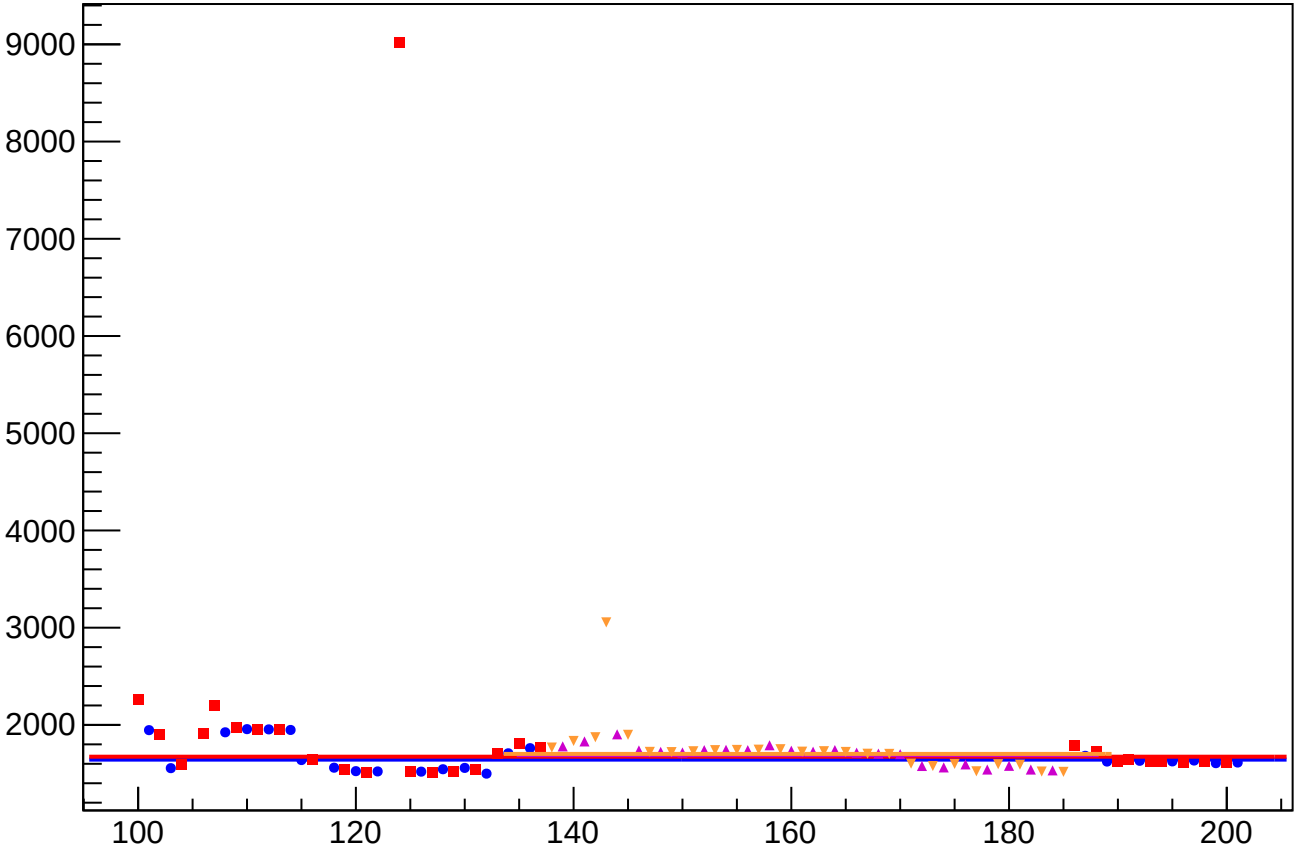
Right: -315.556+/-327.675 χ^2/NDF: 47.3/50

In: -334.717+/-302.252 χ^2/NDF:24.3/45

Out: -107.152+/-296.340 χ^2/NDF:72.1/52

All: -218.687+/-211.603 χ^2/NDF: 96.7/98

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: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

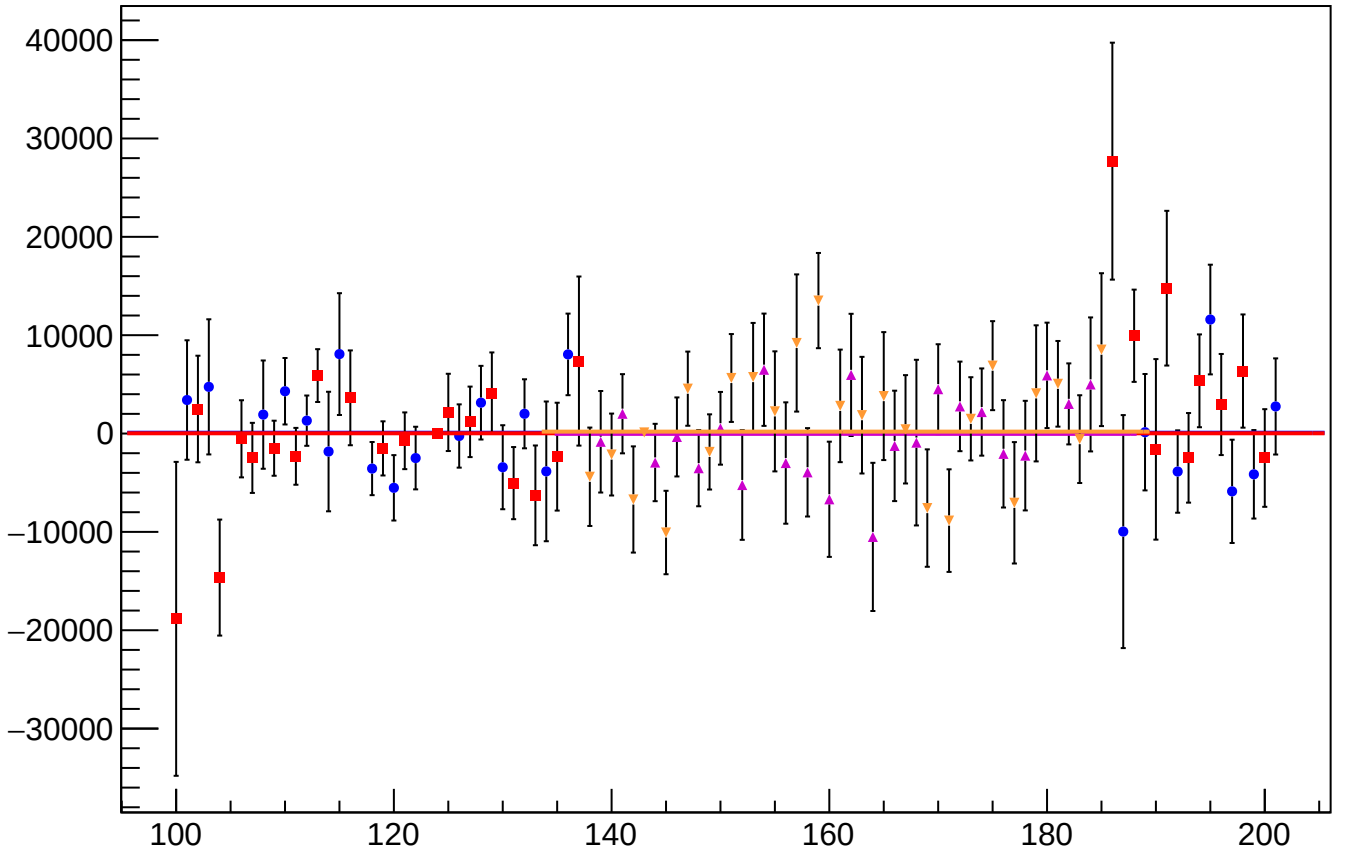
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1658.425+/-0.231 χ^2/NDF: 557138.3/50

In: 1670.075+/-0.214 χ^2/NDF:280921.4/45

Out: 1689.583+/-0.209 χ^2/NDF:862612.5/52

All: 1680.030+/-0.150 χ^2/NDF: 1147785.6/98



Right In: 81.992+/-865.389 χ^2/NDF: 23.7/22

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 25.364+/-311.408 χ^2/NDF: 37.4/27

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

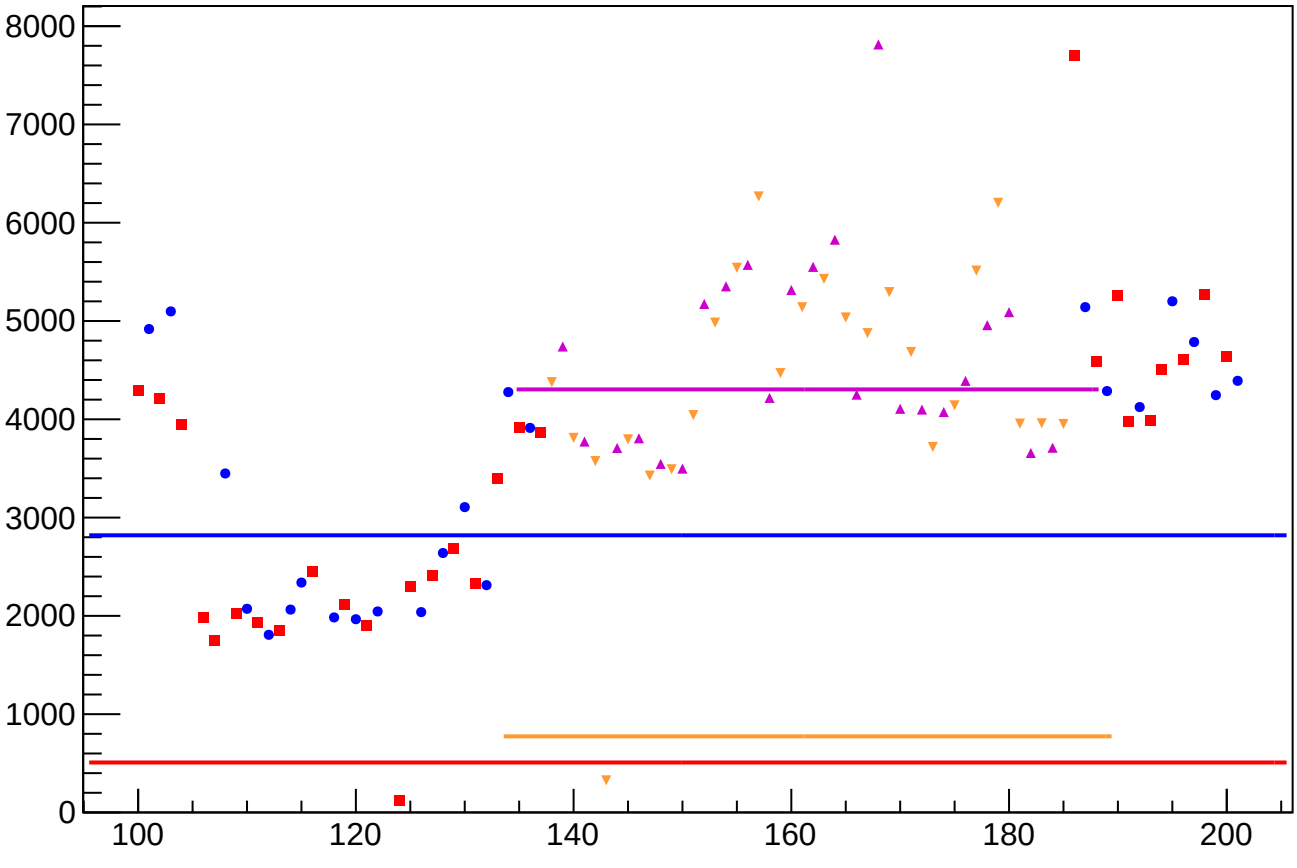
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 31.856+/-293.014 χ^2/NDF: 61.1/50

In: 35.924+/-661.365 χ^2/NDF:37.0/45

Out: 101.496+/-230.593 χ^2/NDF:71.5/52

All: 94.388+/-217.738 χ^2/NDF: 108.5/98



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: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

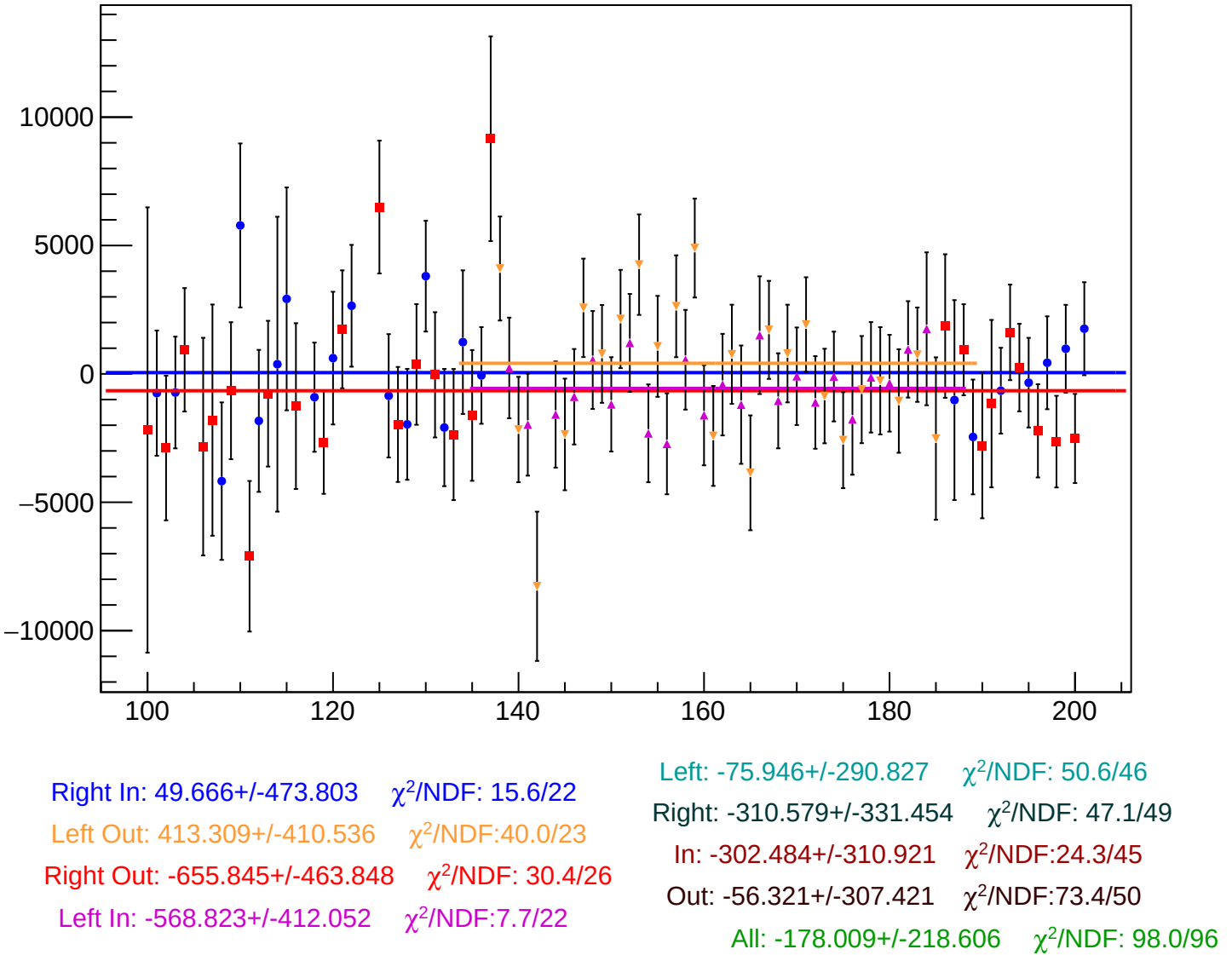
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 773.438+/-0.207 χ^2/NDF: 37313789.0/50

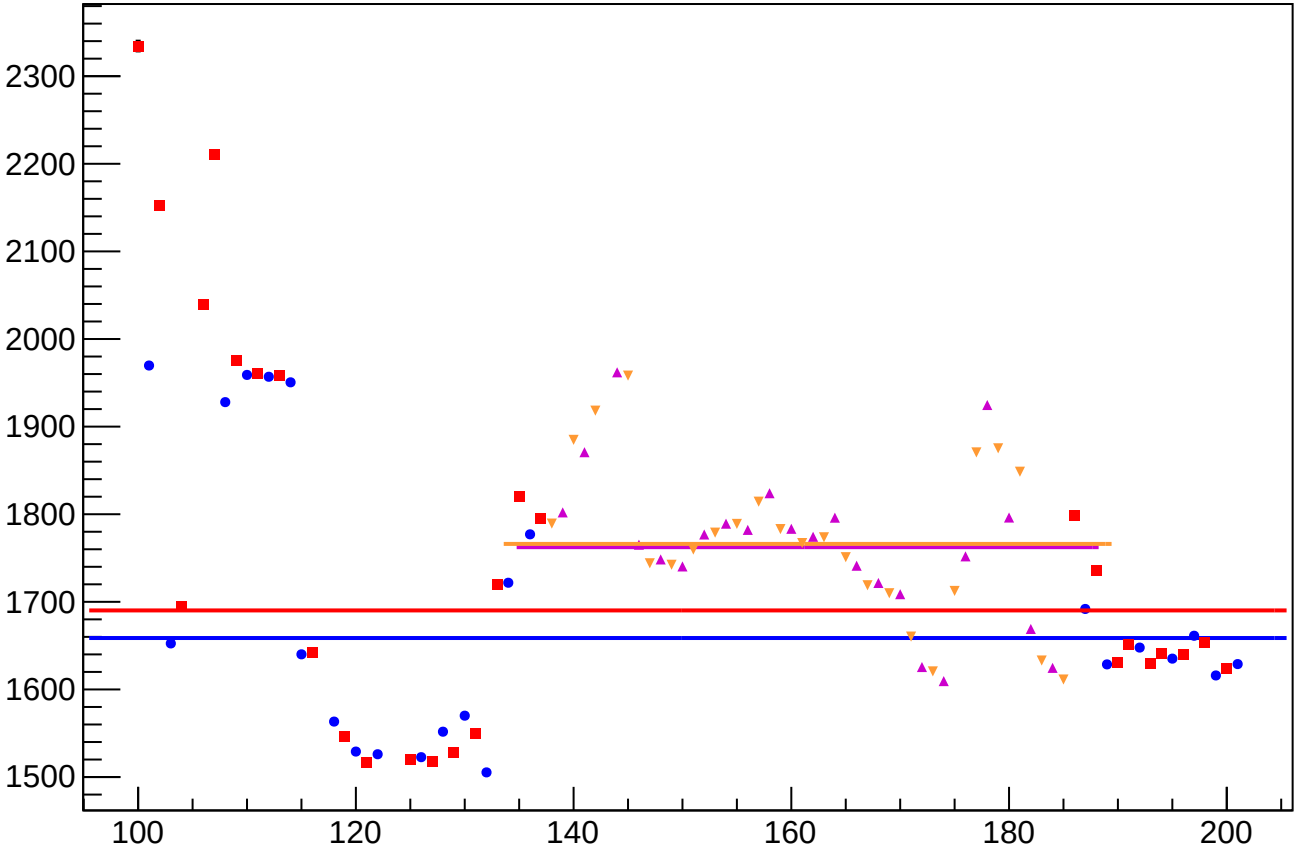
In: 3437.129+/-0.468 χ^2/NDF:6887407.3/45

Out: 628.461+/-0.163 χ^2/NDF:50202541.2/52

All: 932.891+/-0.154 χ^2/NDF: 89250558.7/98


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 49.666+/-473.803 χ²/NDF: 15.6/22
Left Out: 413.309+/-410.536 χ²/NDF:40.0/23
Right Out: -655.845+/-463.848 χ²/NDF: 30.4/26
Left In: -568.823+/-412.052 χ²/NDF:7.7/22
Left: -75.946+/-290.827 χ²/NDF: 50.6/46
Right: -310.579+/-331.454 χ²/NDF: 47.1/49
In: -302.484+/-310.921 χ²/NDF:24.3/45
Out: -56.321+/-307.421 χ²/NDF:73.4/50
All: -178.009+/-218.606 χ²/NDF: 98.0/96

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: 1690.197+/-0.328 χ^2/NDF: 245924.7/26

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

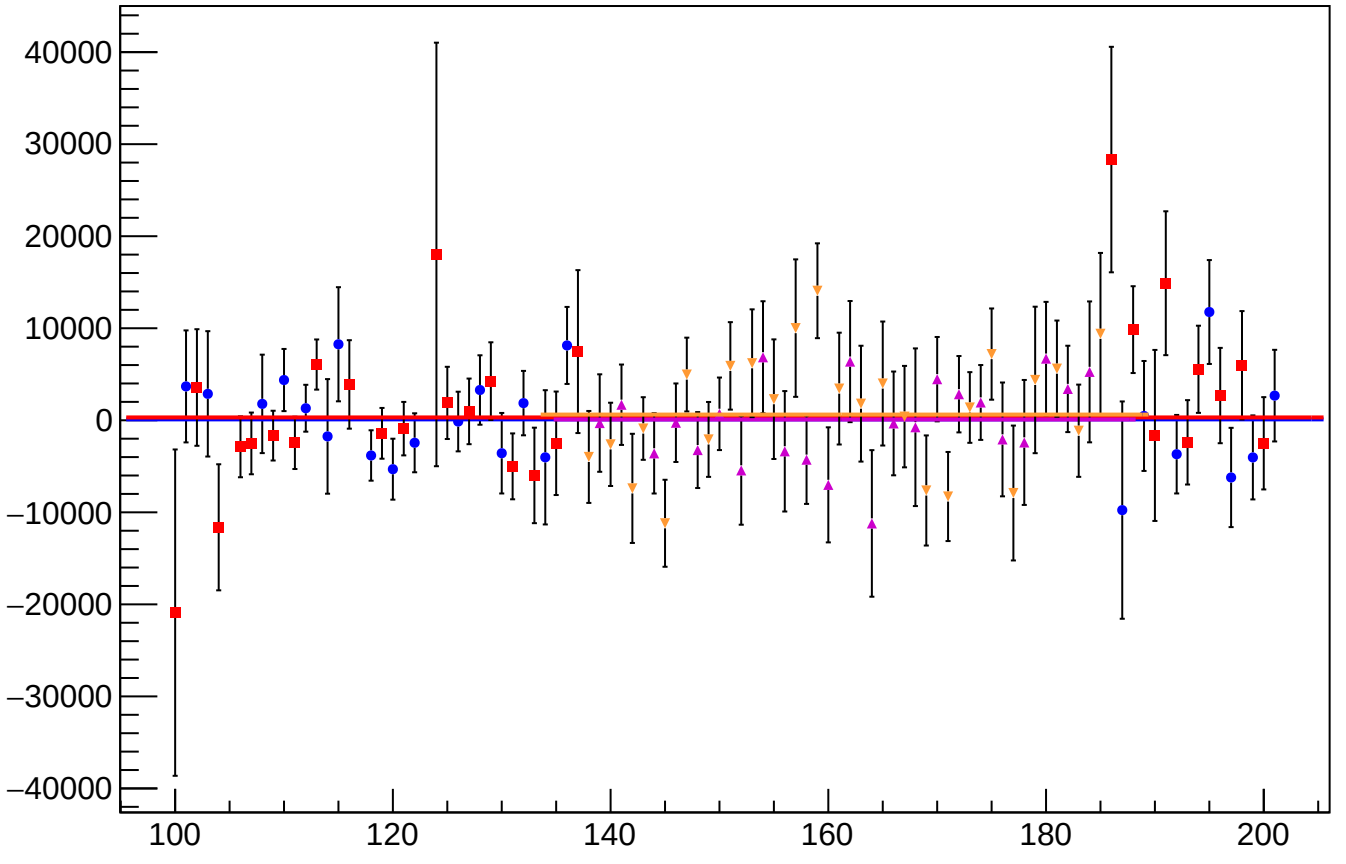
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1674.802+/-0.234 χ^2/NDF: 395215.2/49

In: 1717.747+/-0.220 χ^2/NDF:279416.8/45

Out: 1732.723+/-0.217 χ^2/NDF:359259.5/50

All: 1725.324+/-0.155 χ^2/NDF: 641023.8/96



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: 310.041+/-801.309 χ^2/NDF: 35.5/27

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

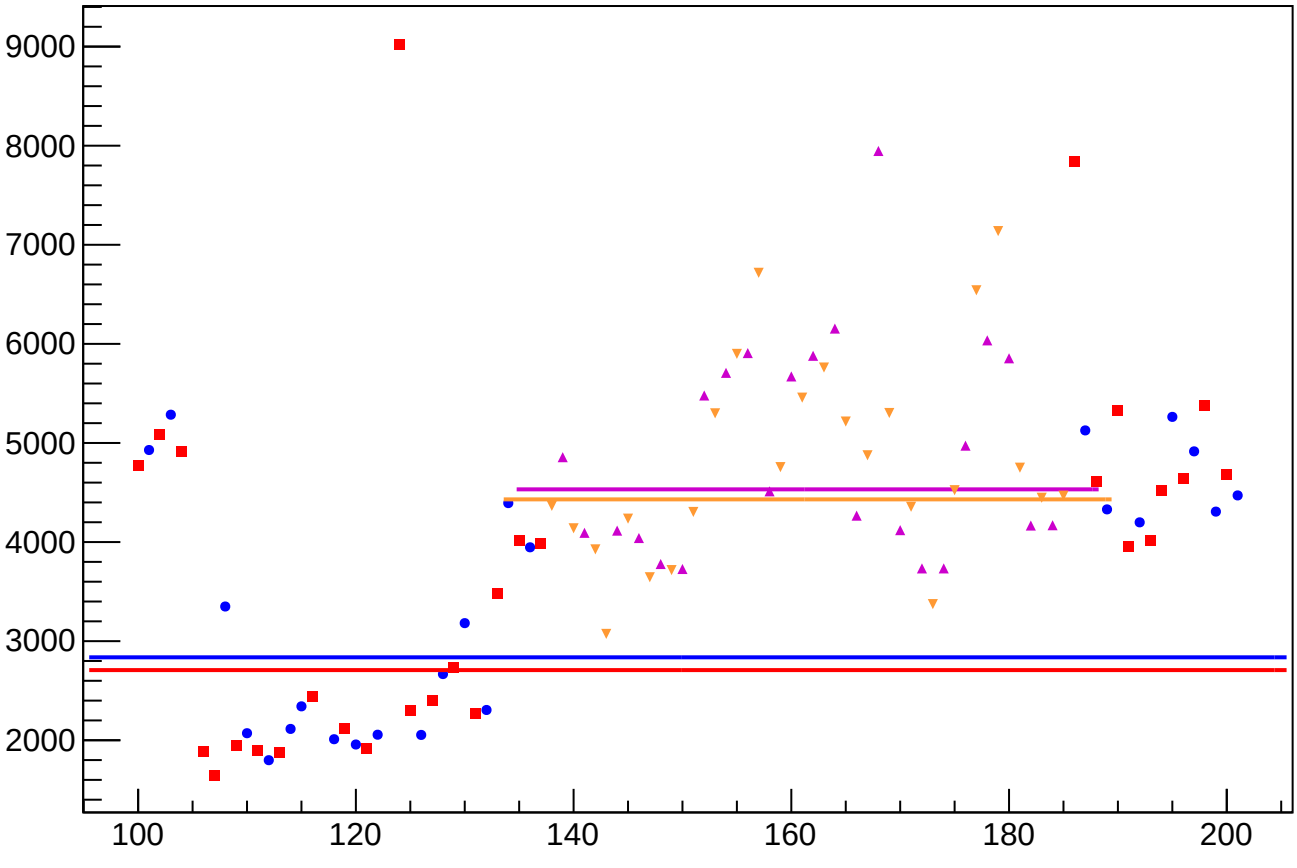
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 212.846+/-589.637 χ^2/NDF: 59.1/50

In: 93.139+/-678.494 χ^2/NDF:36.4/45

Out: 426.123+/-633.530 χ^2/NDF:68.6/52

All: 271.029+/-463.054 χ^2/NDF: 105.2/98



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: 2707.903+/-0.567 χ^2/NDF: 4348084.3/27

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

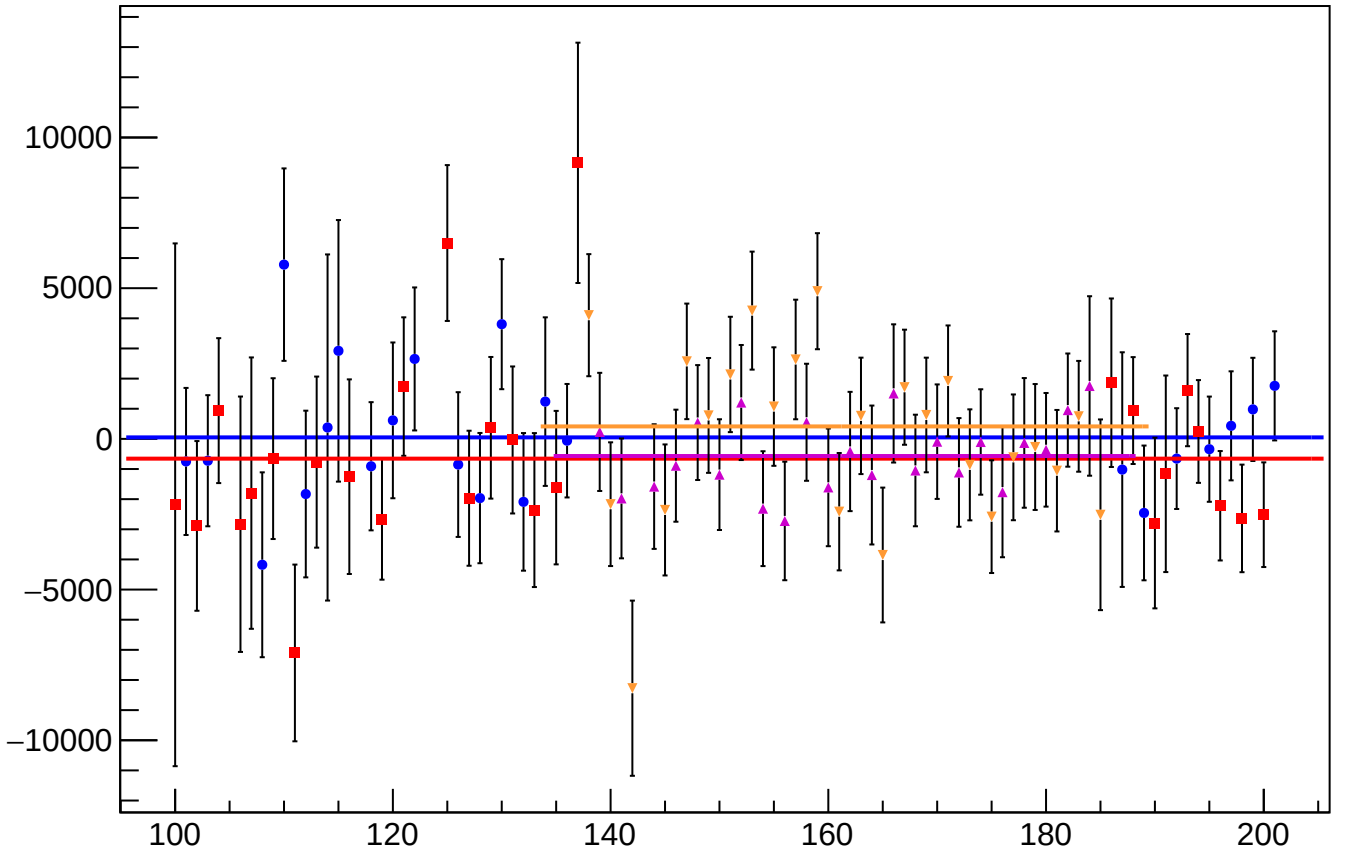
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2767.062+/-0.417 χ^2/NDF: 7707301.7/50

In: 3502.814+/-0.480 χ^2/NDF:7689156.3/45

Out: 3353.853+/-0.448 χ^2/NDF:9427829.3/52

All: 3423.235+/-0.327 χ^2/NDF: 17168485.8/9



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: -655.845+/-463.848 χ^2/NDF: 30.4/26

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

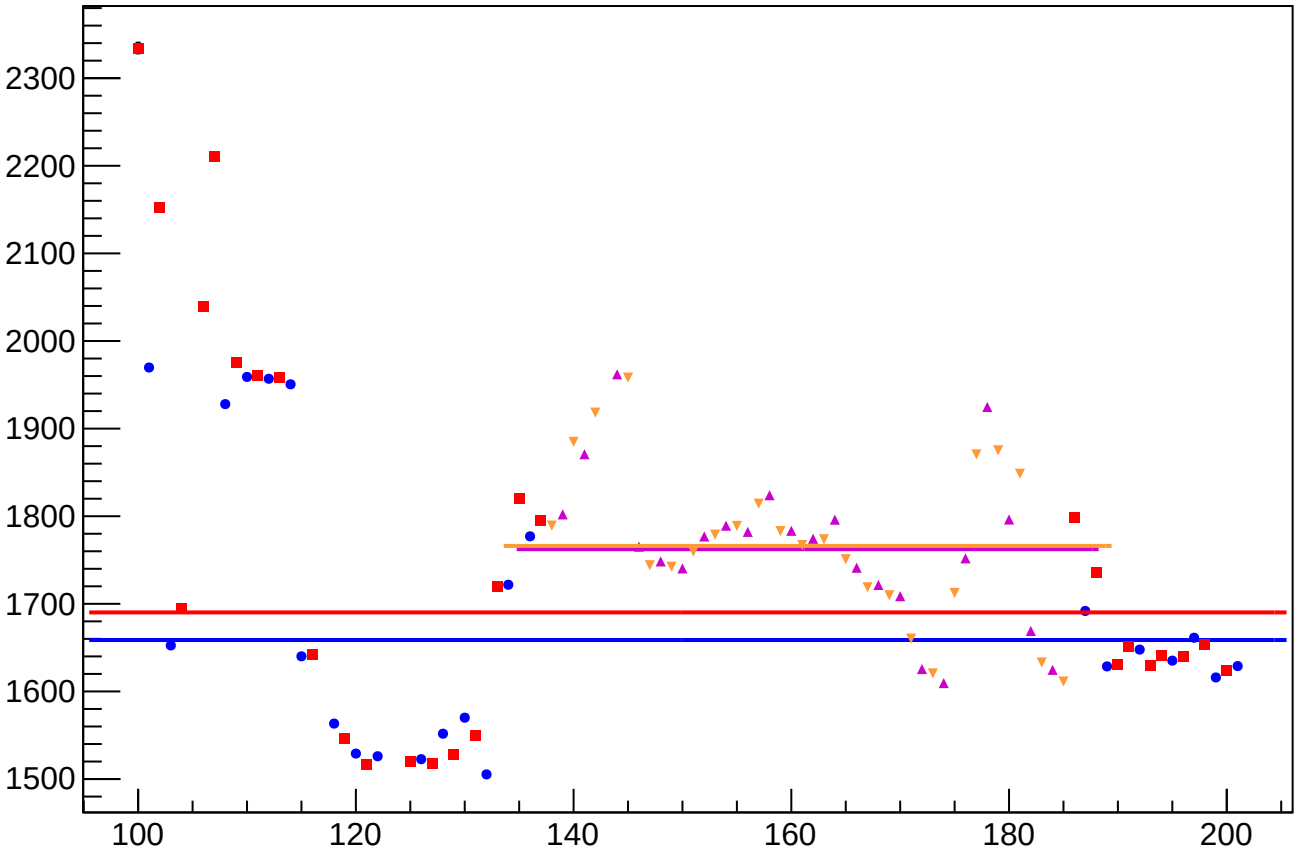
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -310.579+/-331.454 χ^2/NDF: 47.1/49

In: -302.483+/-310.921 χ^2/NDF:24.3/45

Out: -56.320+/-307.421 χ^2/NDF:73.4/50

All: -178.008+/-218.606 χ^2/NDF: 98.0/96



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: 1690.197+/-0.328 χ^2/NDF: 245923.7/26

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

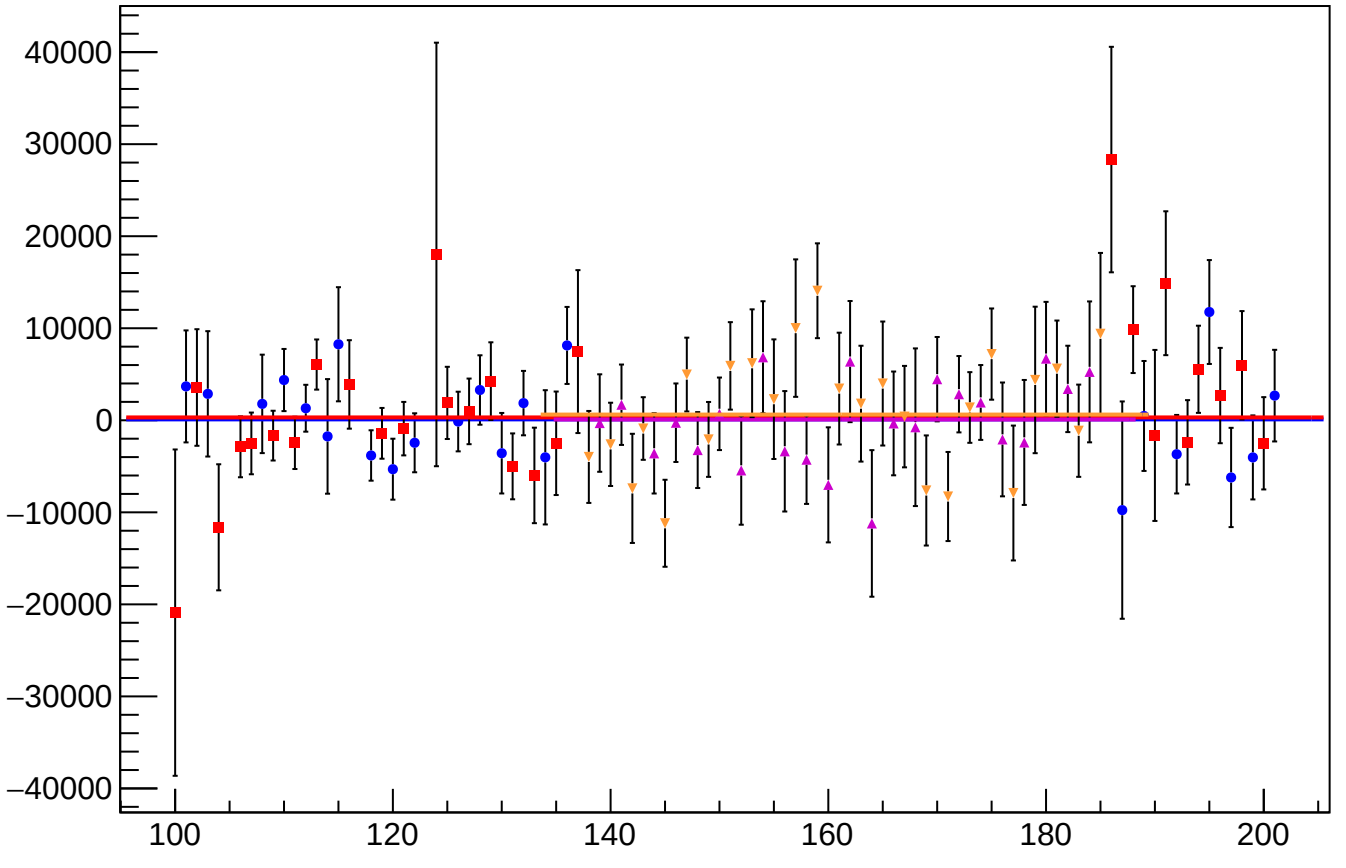
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1674.802+/-0.234 χ^2/NDF: 395214.4/49

In: 1717.748+/-0.220 χ^2/NDF:279420.6/45

Out: 1732.724+/-0.217 χ^2/NDF:359262.3/50

All: 1725.324+/-0.155 χ^2/NDF: 641030.5/96



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: 310.035+/-801.307 χ^2/NDF: 35.5/27

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

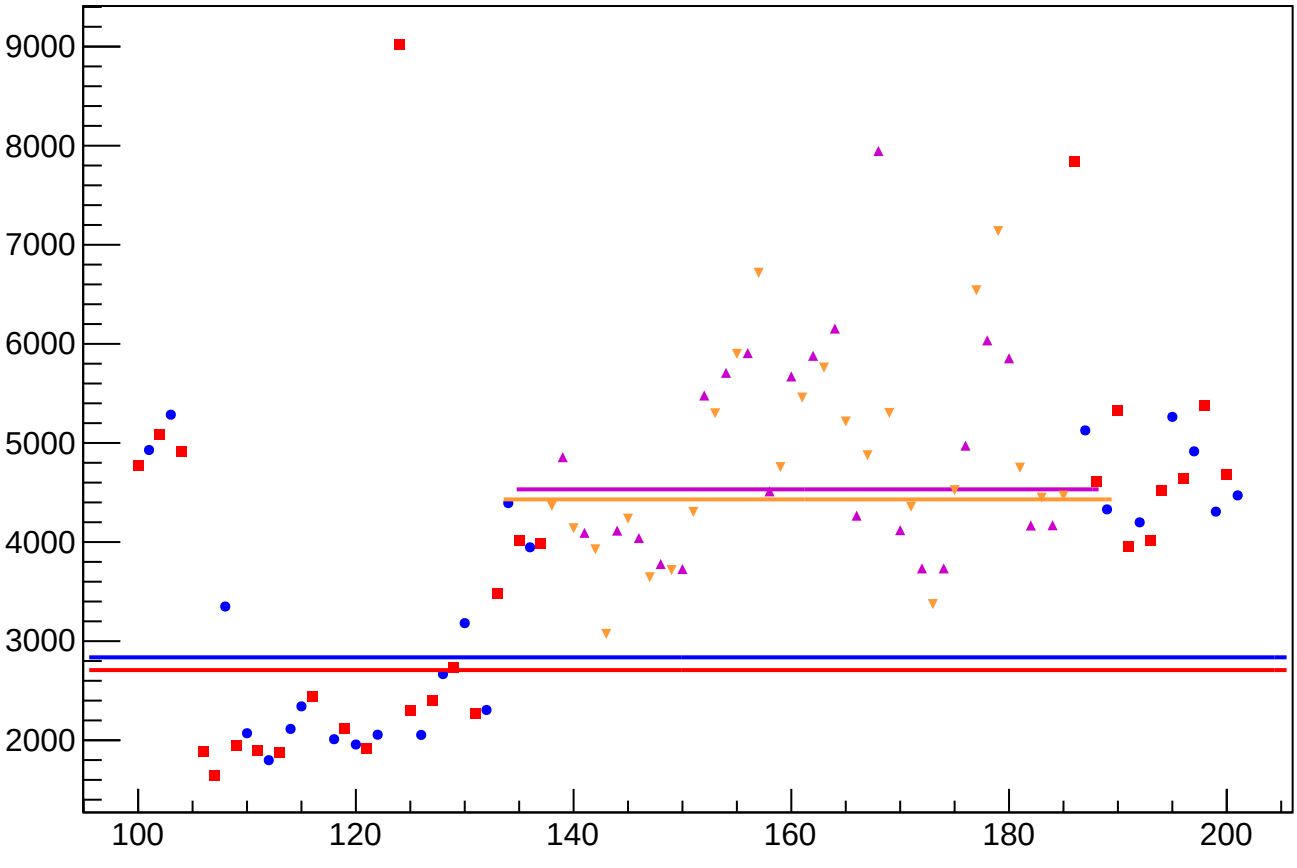
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 212.841+/-589.636 χ^2/NDF: 59.1/50

In: 93.136+/-678.493 χ^2/NDF:36.4/45

Out: 426.120+/-633.529 χ^2/NDF:68.6/52

All: 271.026+/-463.053 χ^2/NDF: 105.2/98



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: 2707.893+/-0.567 χ^2/NDF: 4348120.1/27

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

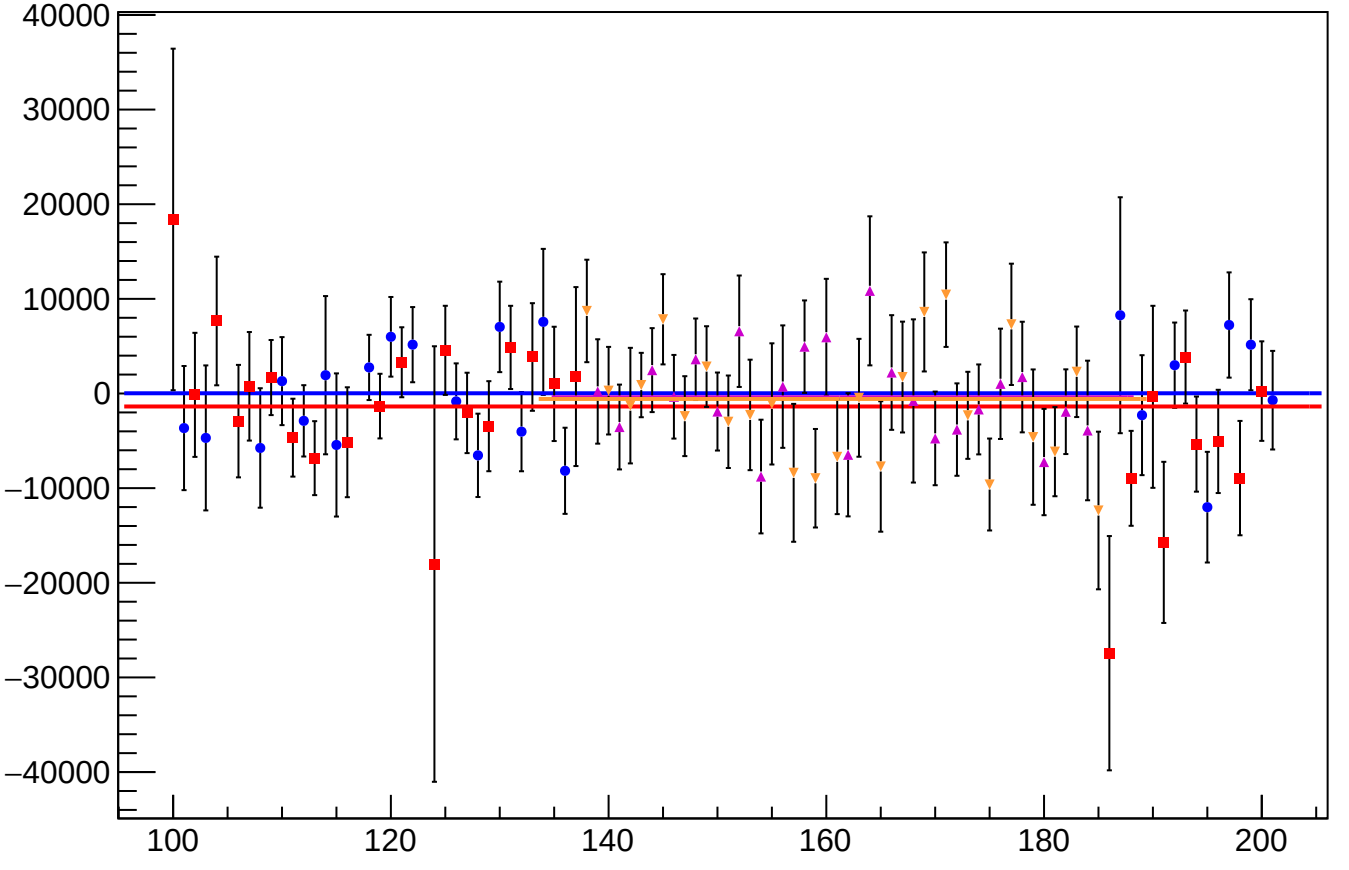
Right: 2767.051+/-0.417 χ^2/NDF: 7707376.6/50

In: 3502.806+/-0.480 χ^2/NDF:7689262.3/45

Out: 3353.847+/-0.448 χ^2/NDF:9427932.2/52

All: 3423.228+/-0.327 χ^2/NDF: 17168694.2/9

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: -1371.748+/-999.870 χ^2/NDF: 27.3/27

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

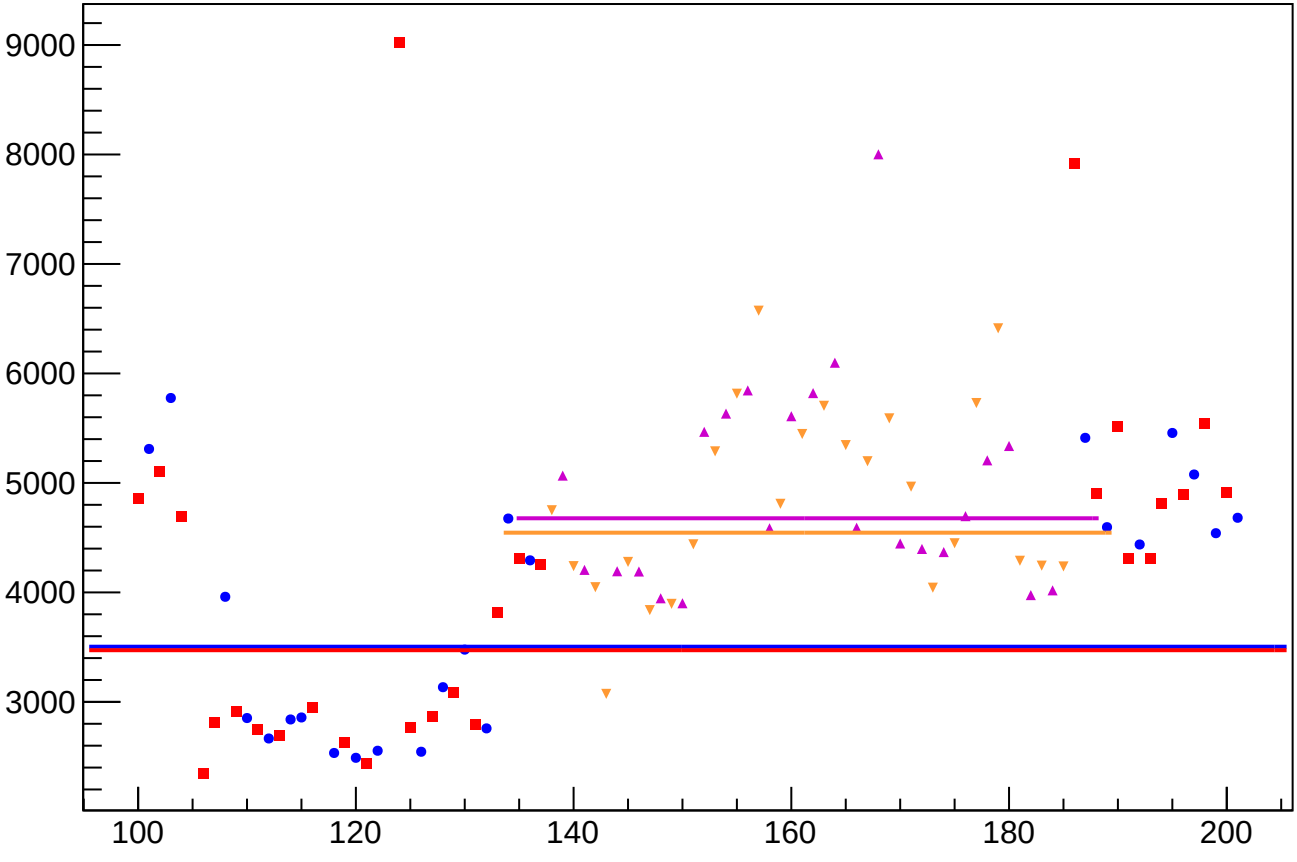
Right: -702.982+/-721.681 χ^2/NDF: 53.0/50

In: -173.944+/-759.815 χ^2/NDF:38.8/45

Out: -993.784+/-725.669 χ^2/NDF:56.4/52

All: -602.700+/-524.782 χ^2/NDF: 95.8/98

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: 3472.050+/-0.700 χ^2/NDF: 2401659.4/27

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

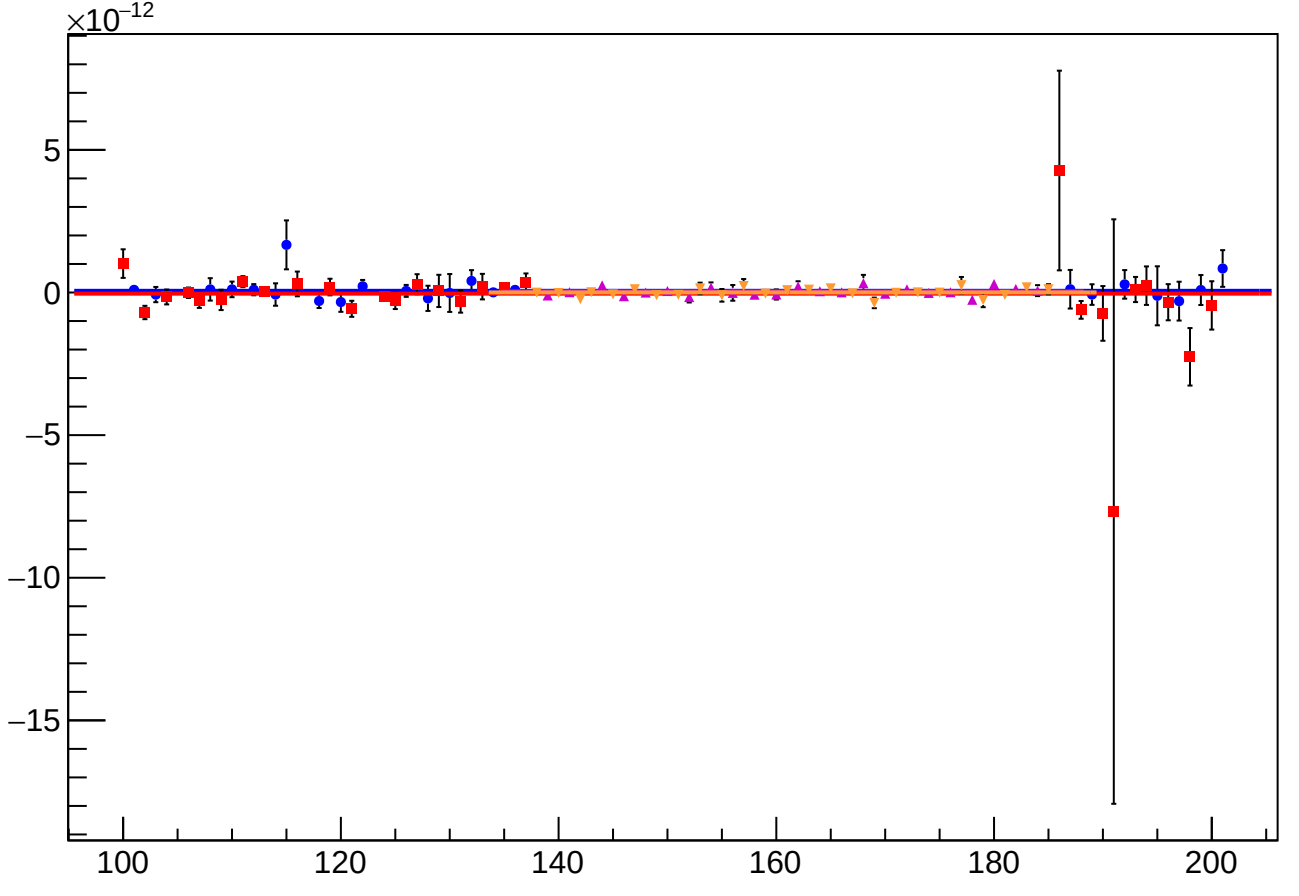
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3487.155+/-0.508 χ^2/NDF: 4364146.0/50

In: 4054.113+/-0.537 χ^2/NDF:4108720.6/45

Out: 3974.598+/-0.510 χ^2/NDF:4761715.5/52

All: 4012.314+/-0.370 χ^2/NDF: 8881950.4/98



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: 41.8/27

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

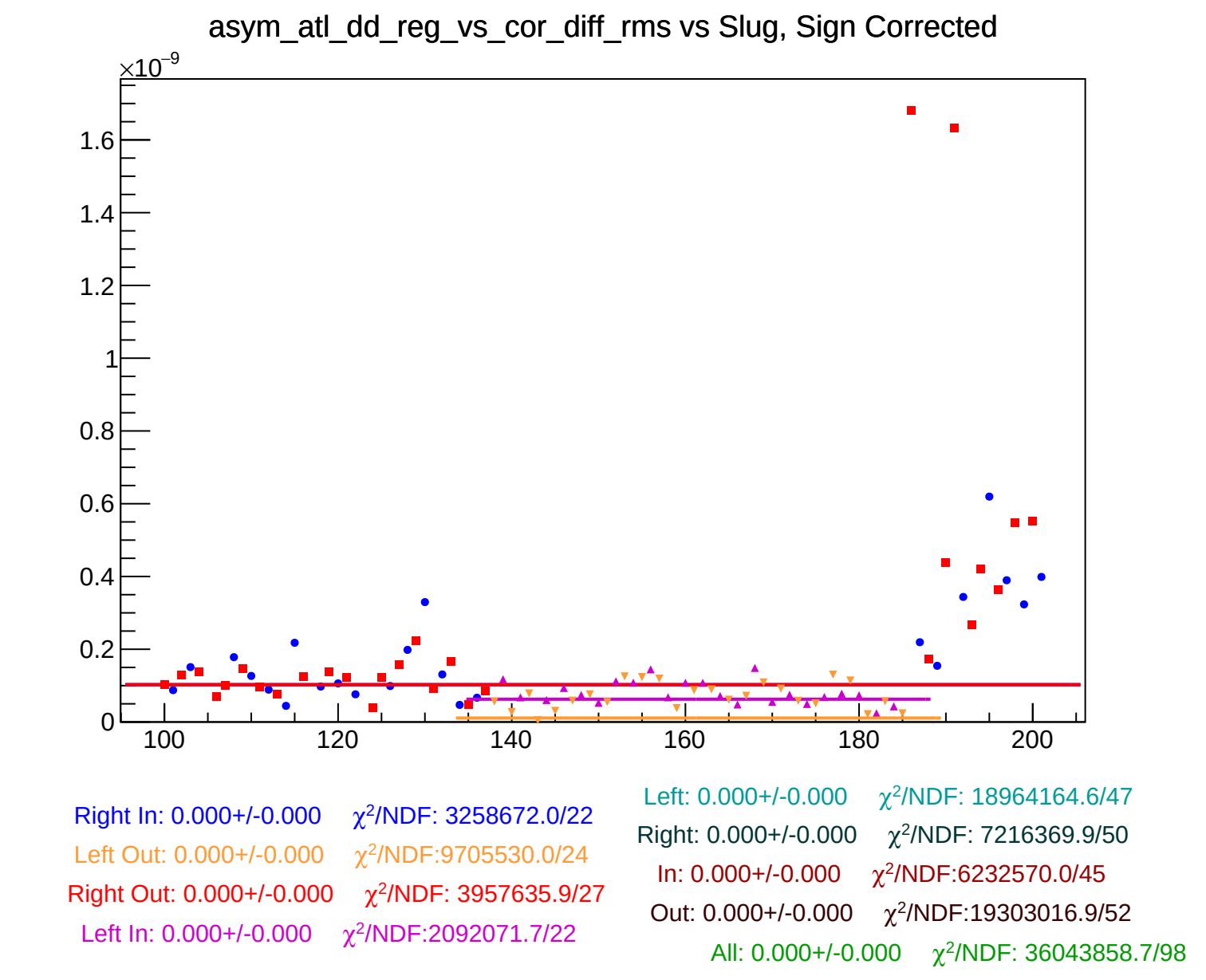
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

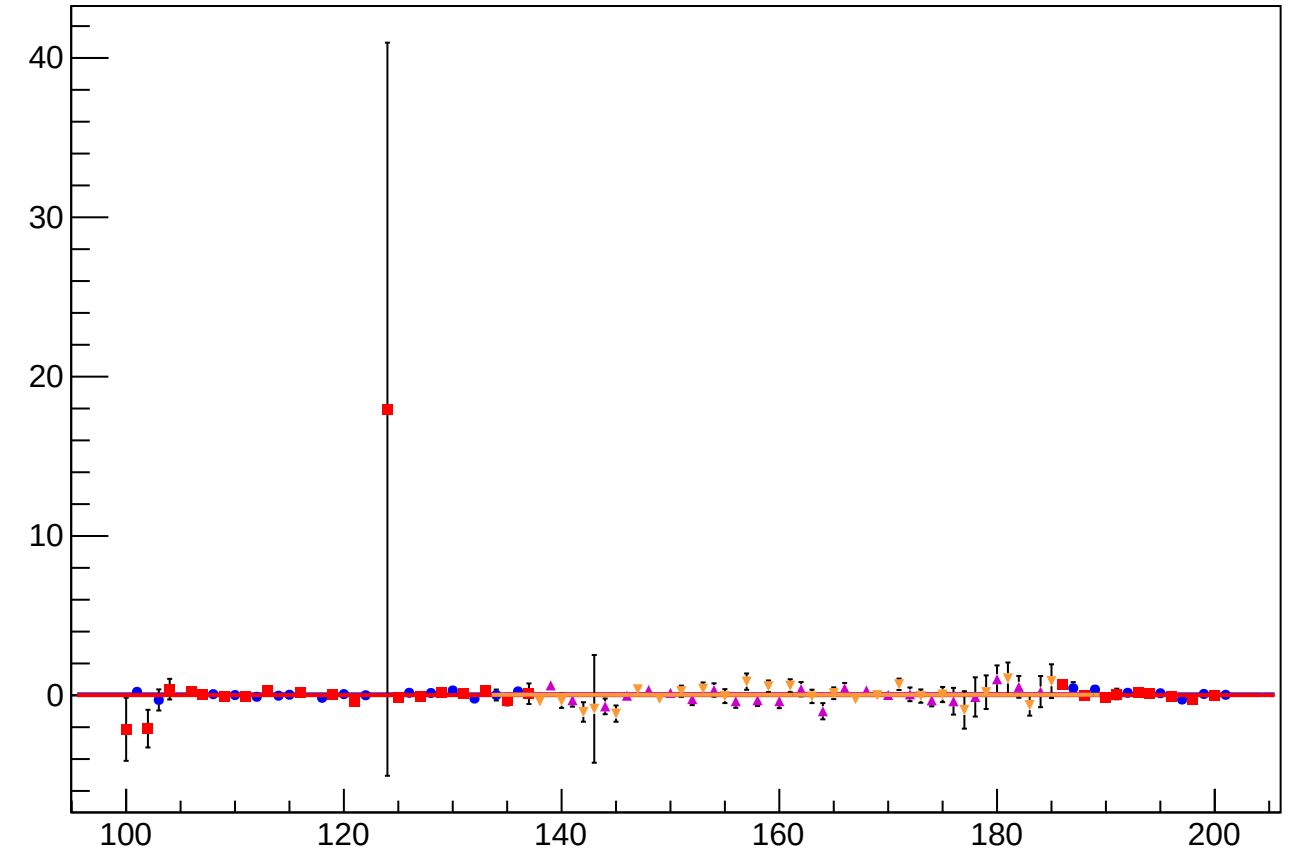
Right: 0.000+/-0.000 χ^2/NDF: 54.9/50

In: 0.000+/-0.000 χ^2/NDF:32.1/45

Out: 0.000+/-0.000 χ^2/NDF:60.6/52

All: 0.000+/-0.000 χ^2/NDF: 95.9/98


asym_atl_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3258672.0/22
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3957635.9/27
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
Left: 0.000+/-0.000 χ²/NDF: 18964164.6/47
Right: 0.000+/-0.000 χ²/NDF: 7216369.9/50
In: 0.000+/-0.000 χ²/NDF:6232570.0/45
Out: 0.000+/-0.000 χ²/NDF:19303016.9/52
All: 0.000+/-0.000 χ²/NDF: 36043858.7/98



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: 0.012+/-0.035 χ^2/NDF: 30.6/27

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

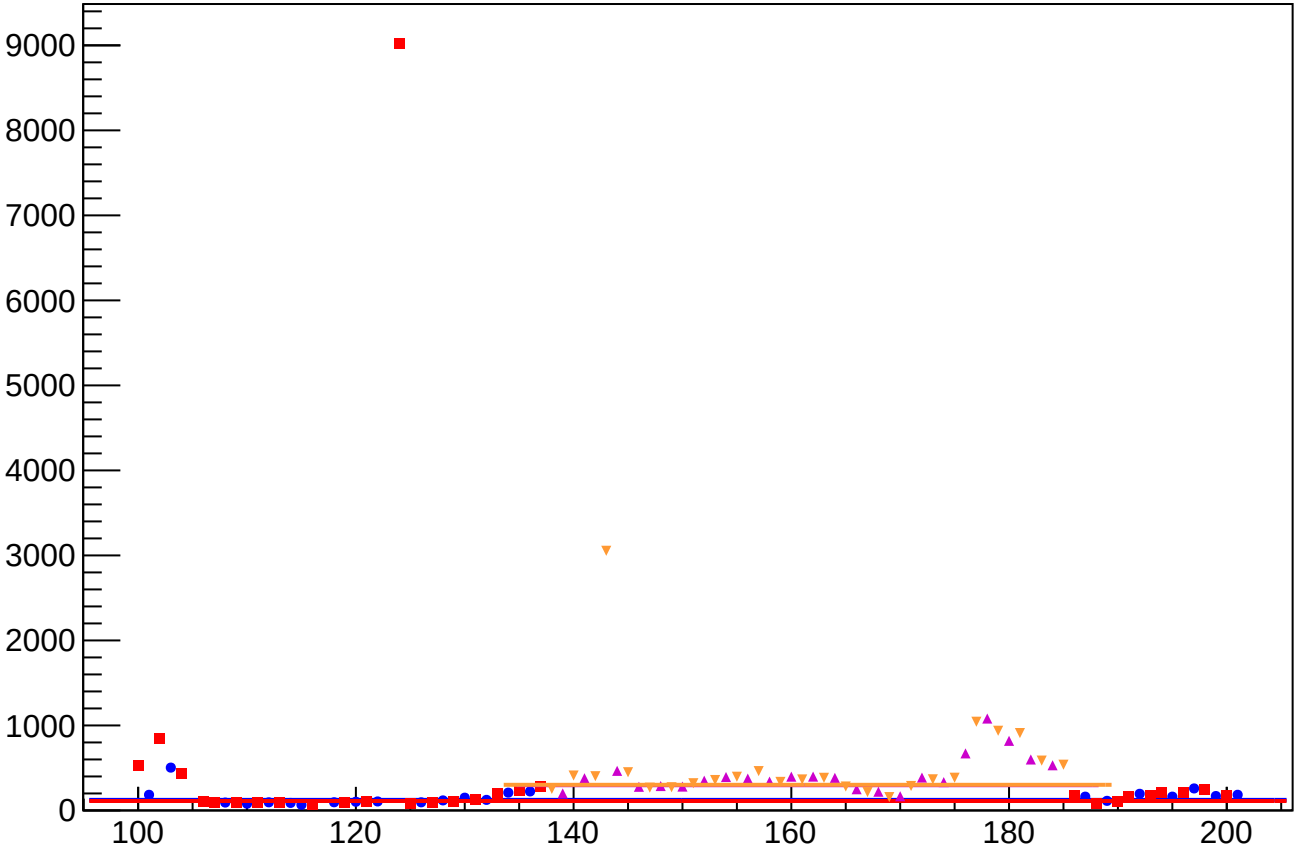
Right: 0.033+/-0.026 χ^2/NDF: 47.0/50

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.037+/-0.023 χ^2/NDF: 101.1/98

asym_atl_dd_dit_vs_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: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

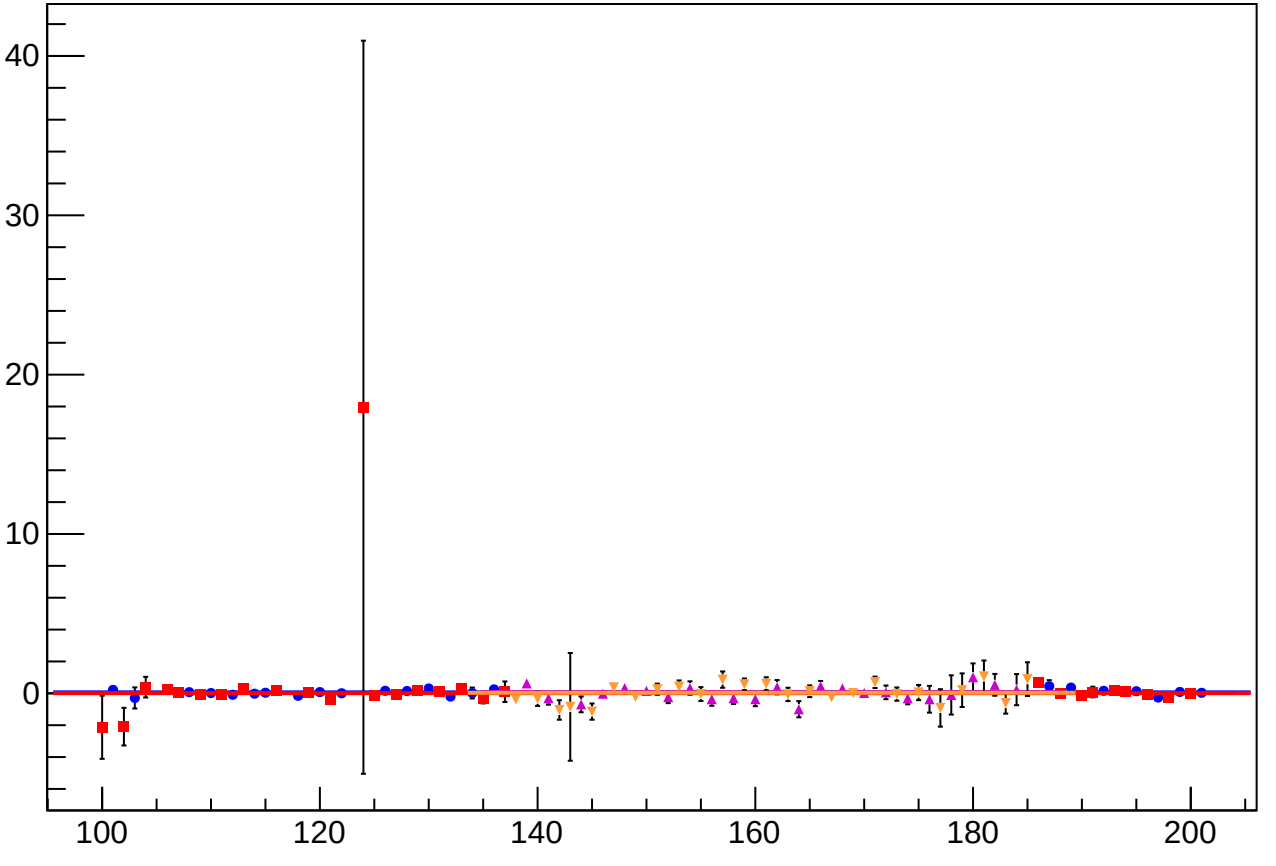
Right: 117.035+/-0.018 χ^2/NDF: 8112085.9/50

In: 160.721+/-0.025 χ^2/NDF:16311907.6/45

Out: 143.409+/-0.022 χ^2/NDF:21664587.4/52

All: 151.240+/-0.017 χ^2/NDF: 38248084.4/98

asym_atl_dd_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: 0.012+/-0.035 χ^2/NDF: 30.6/27

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

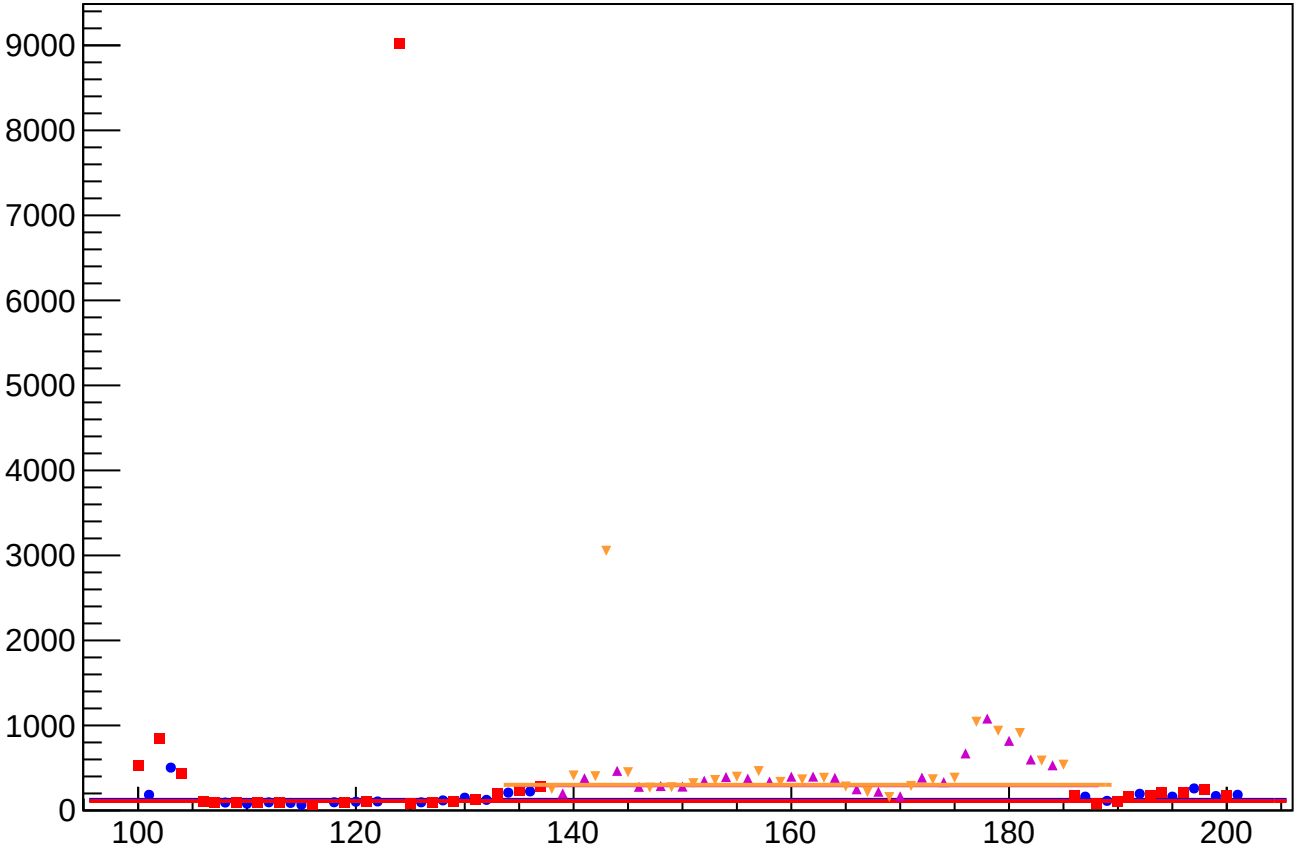
Right: 0.033+/-0.026 χ^2/NDF: 47.0/50

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.037+/-0.023 χ^2/NDF: 101.1/98

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: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

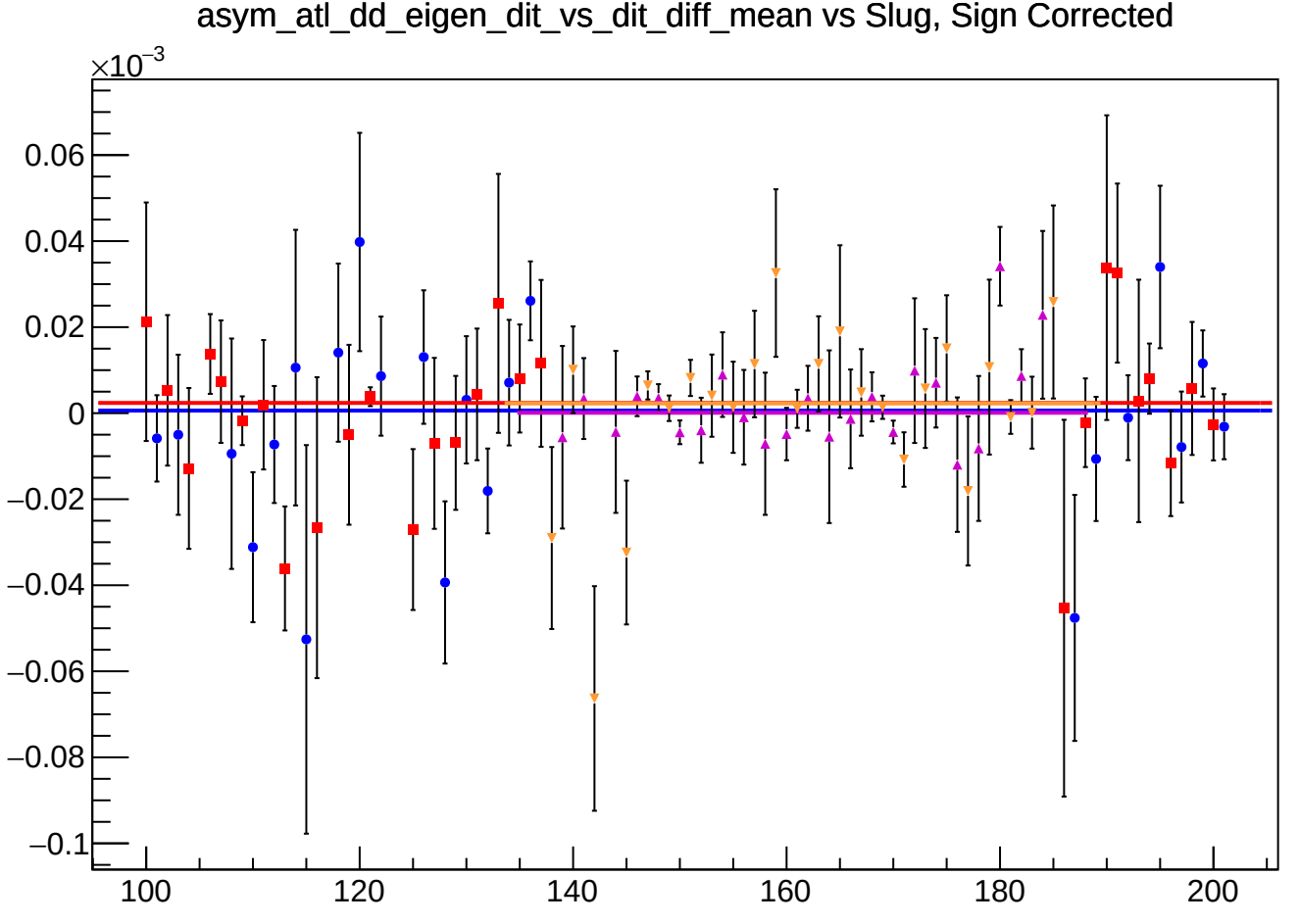
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 117.035+/-0.018 χ^2/NDF: 8112085.9/50

In: 160.721+/-0.025 χ^2/NDF:16311907.6/45

Out: 143.409+/-0.022 χ^2/NDF:21664587.4/52

All: 151.240+/-0.017 χ^2/NDF: 38248084.4/98



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: 22.3/26

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

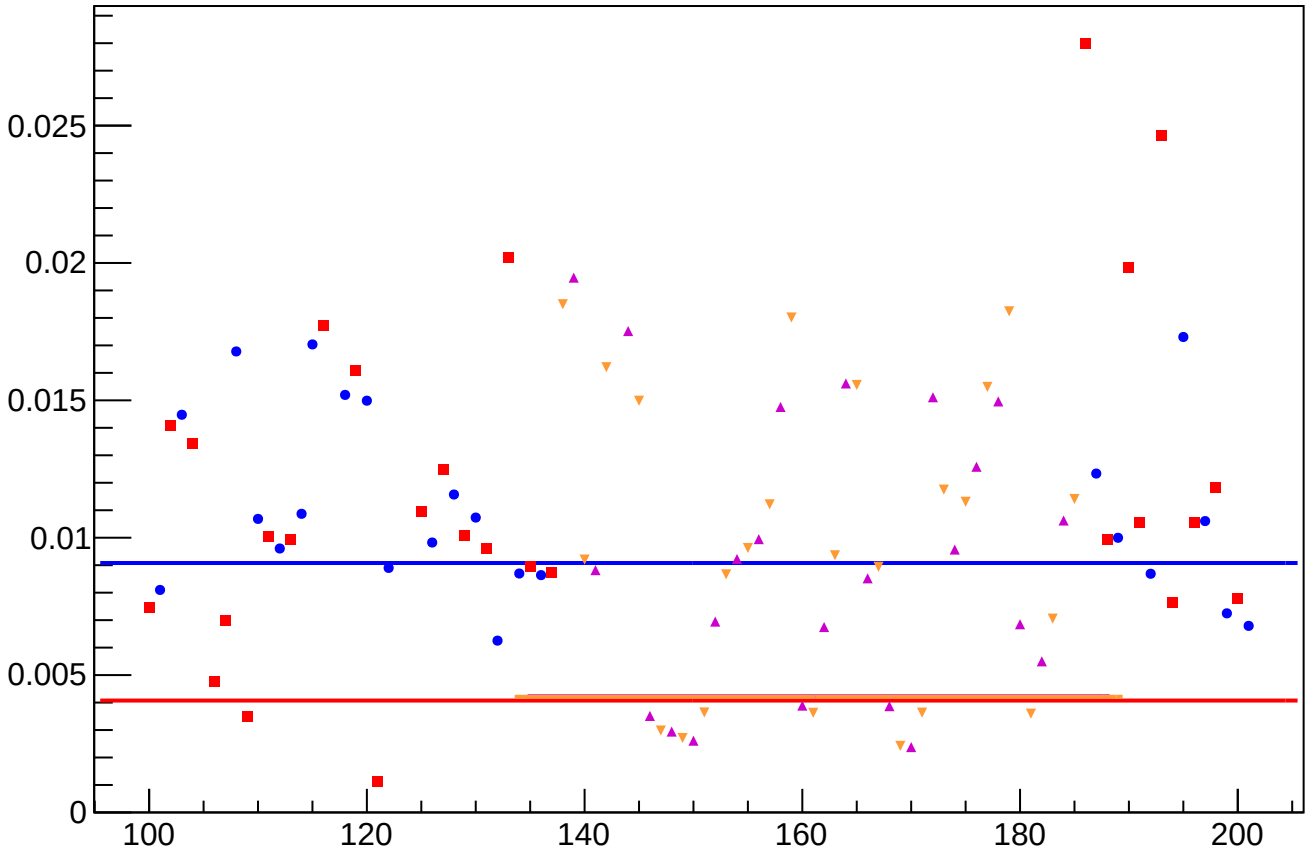
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 57.5/49

In: 0.000+/-0.000 χ^2/NDF:64.0/45

Out: 0.000+/-0.000 χ^2/NDF:53.4/50

All: 0.000+/-0.000 χ^2/NDF: 119.4/96



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: 13475443.1/26

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

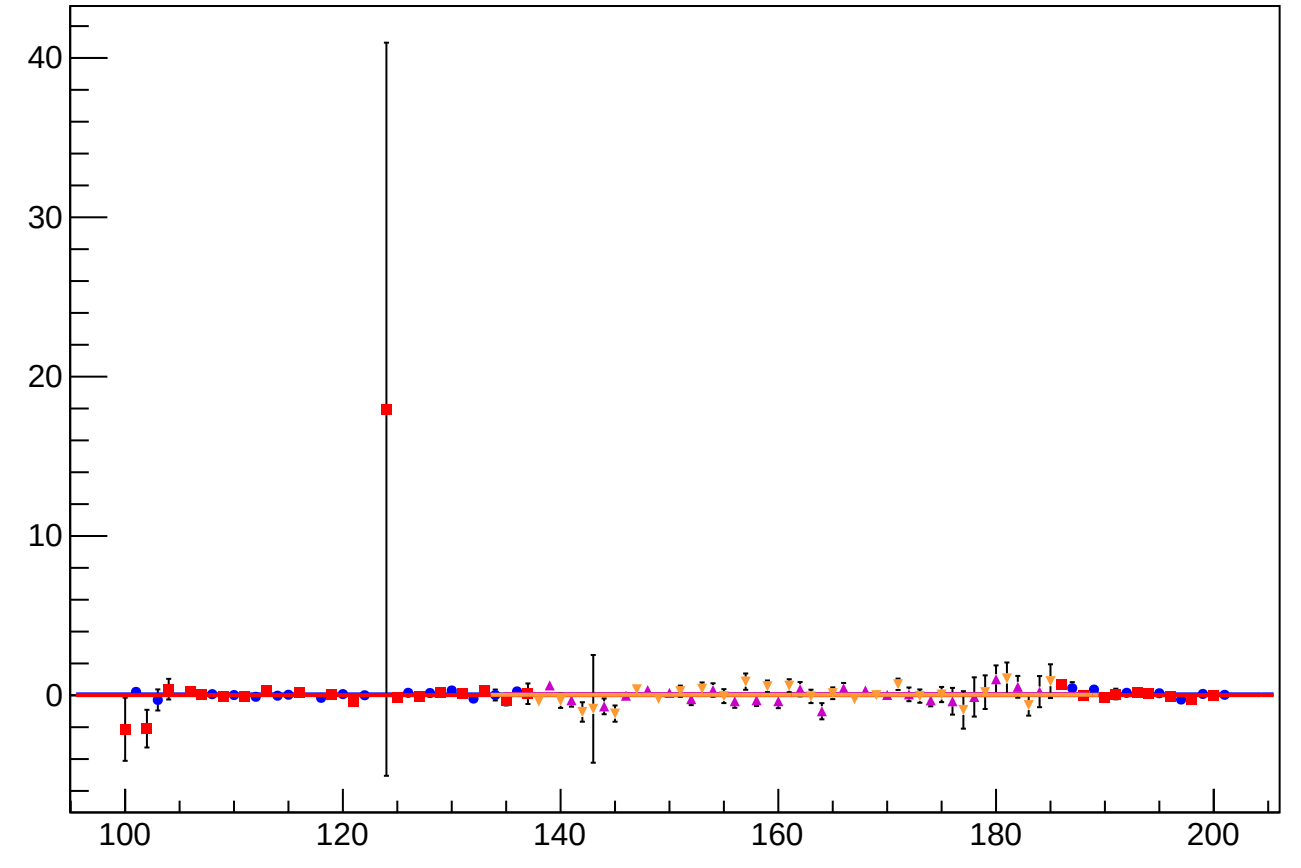
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.005+/-0.000 χ^2/NDF: 19978082.7/49

In: 0.005+/-0.000 χ^2/NDF:17835502.4/45

Out: 0.004+/-0.000 χ^2/NDF:25562073.8/50

All: 0.005+/-0.000 χ^2/NDF: 44116327.8/96



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: 0.012+/-0.035 χ^2/NDF: 30.6/27

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

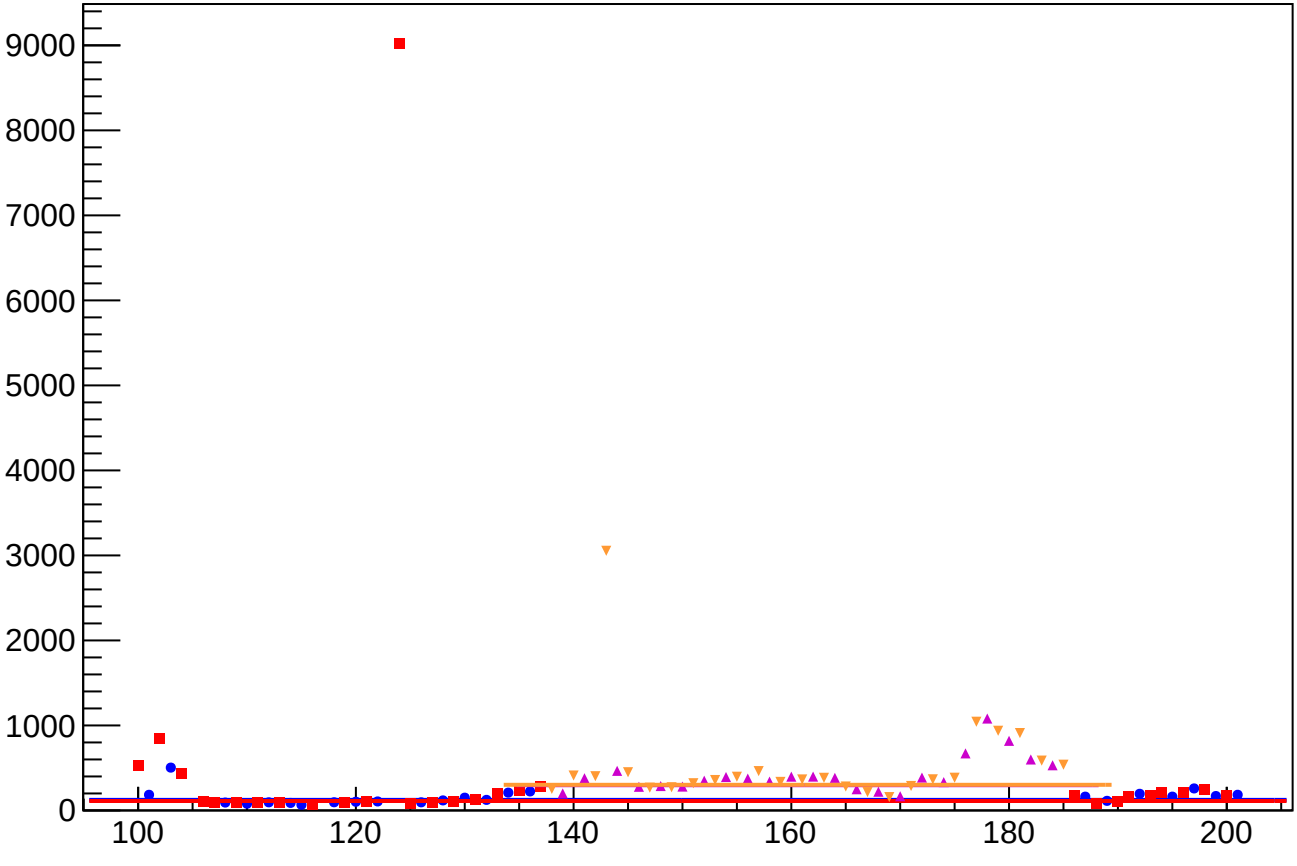
Right: 0.033+/-0.026 χ^2/NDF: 47.0/50

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.037+/-0.023 χ^2/NDF: 101.1/98

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: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

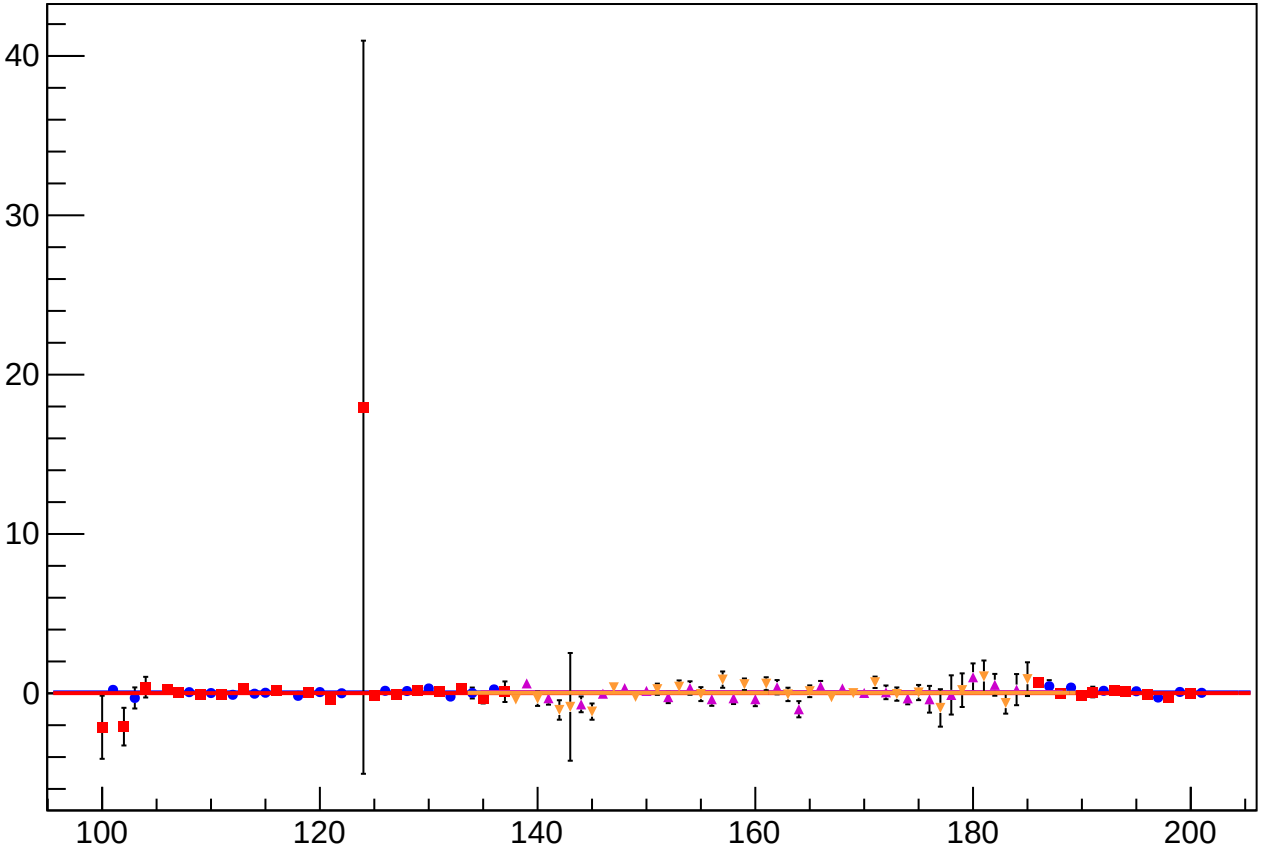
Right: 117.036+/-0.018 χ^2/NDF: 8111856.1/50

In: 160.722+/-0.025 χ^2/NDF:16311952.6/45

Out: 143.410+/-0.022 χ^2/NDF:21664495.3/52

All: 151.240+/-0.017 χ^2/NDF: 38248026.8/98

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: 0.012+/-0.035 χ^2/NDF: 30.6/27

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

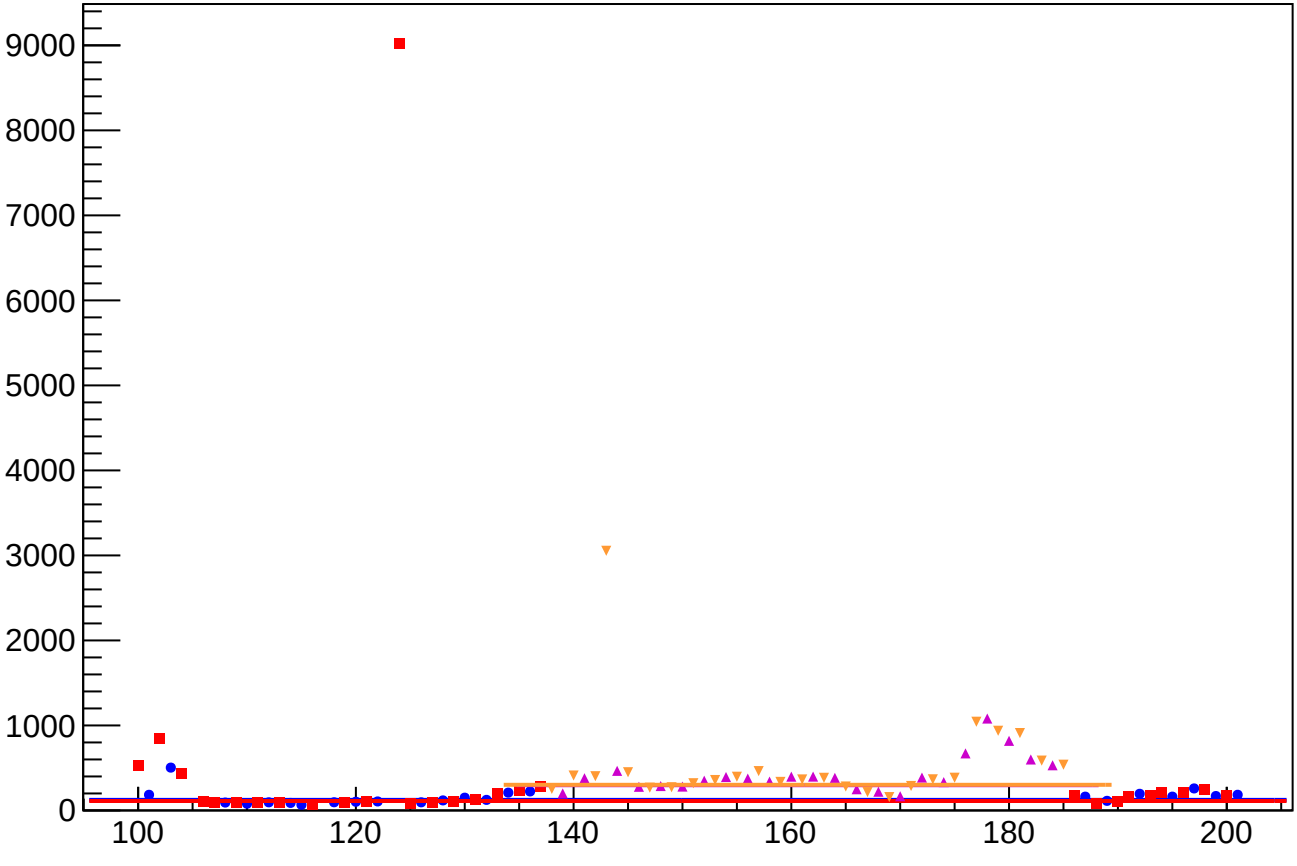
Right: 0.033+/-0.026 χ^2/NDF: 47.0/50

In: 0.063+/-0.035 χ^2/NDF:39.7/45

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.037+/-0.023 χ^2/NDF: 101.1/98

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: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

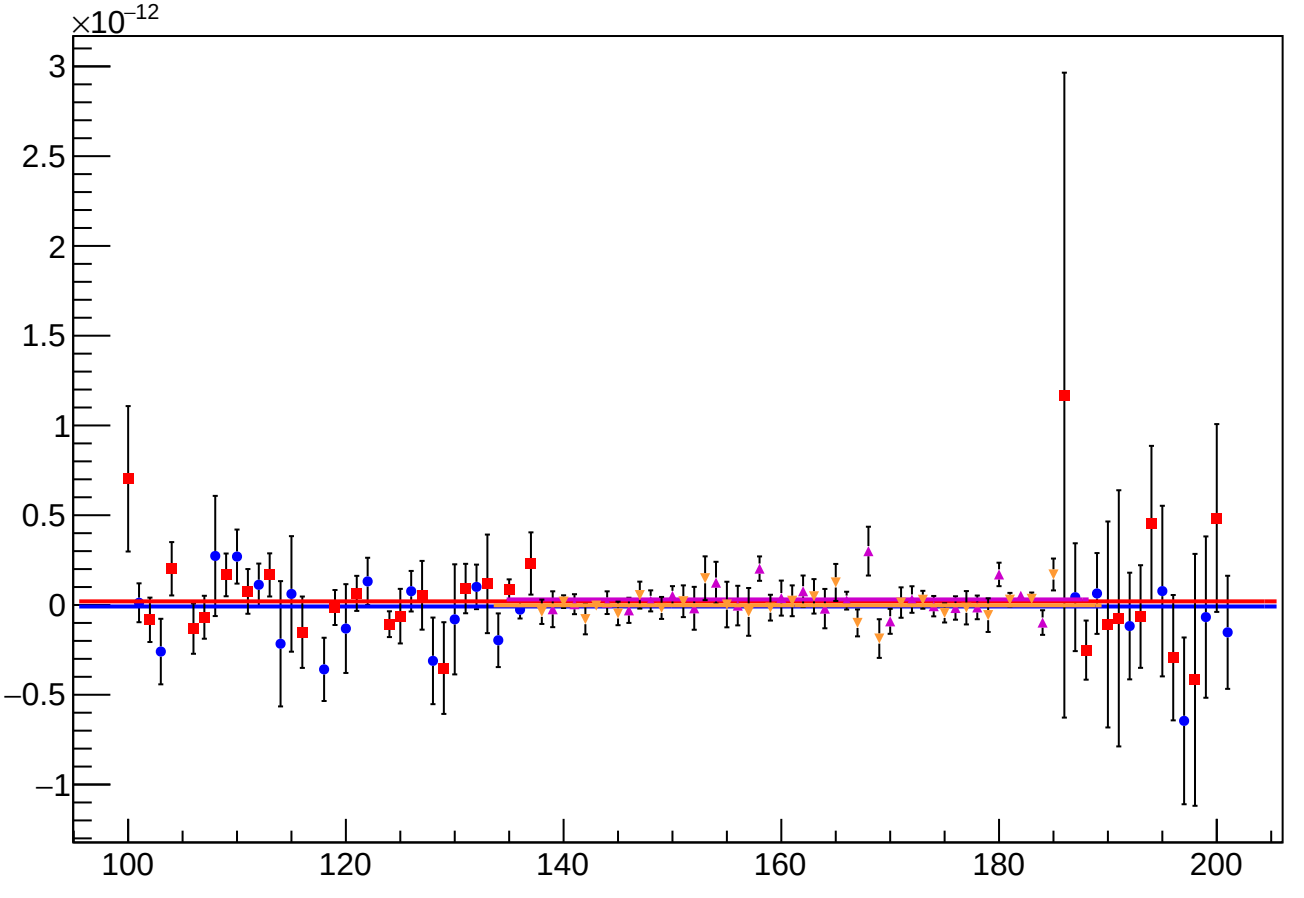
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 117.036+/-0.018 χ^2/NDF: 8111856.1/50

In: 160.722+/-0.025 χ^2/NDF:16311952.6/45

Out: 143.410+/-0.022 χ^2/NDF:21664495.3/52

All: 151.240+/-0.017 χ^2/NDF: 38248026.8/98



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: 26.0/27

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

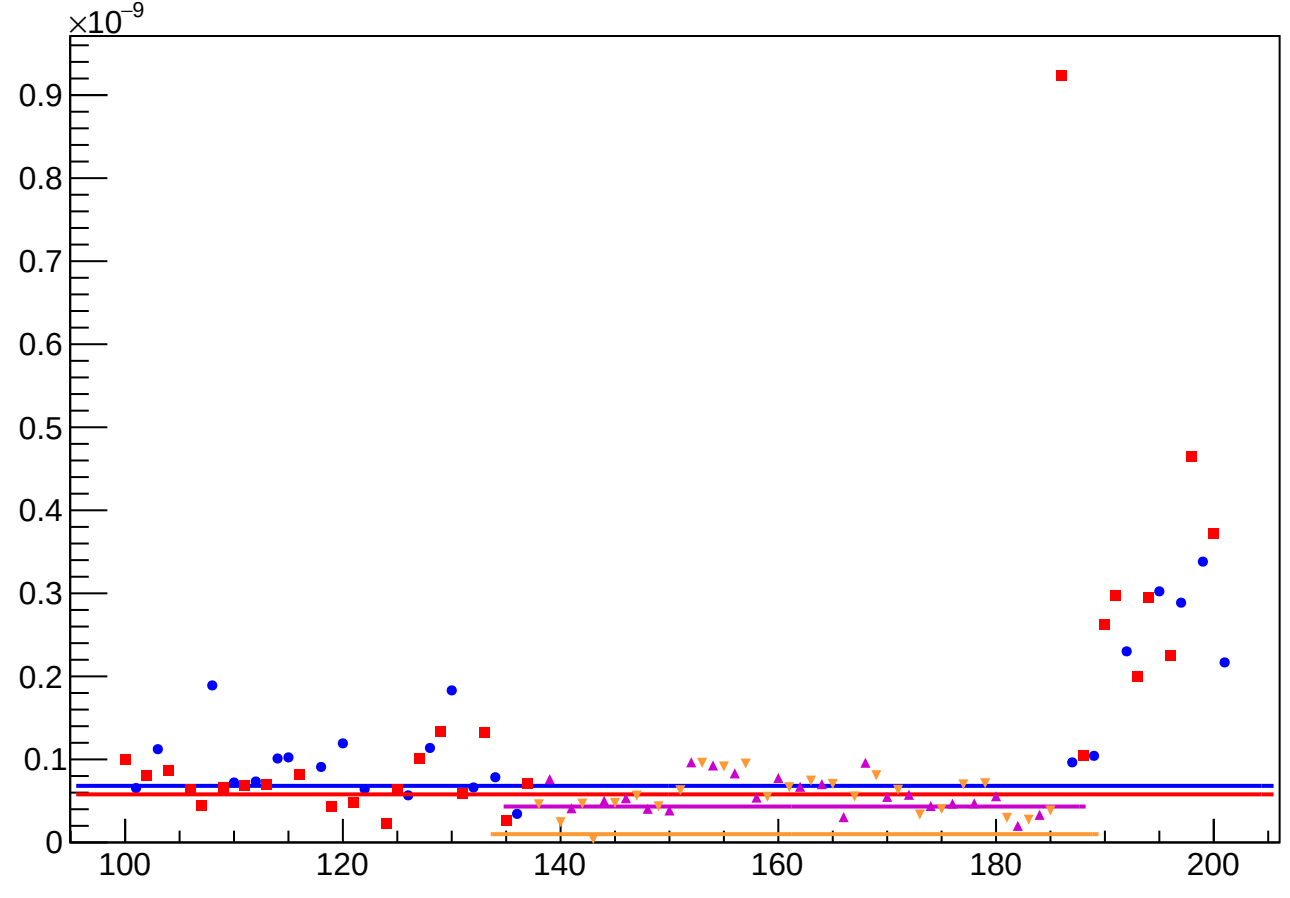
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 46.4/50

In: 0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:44.4/52

All: 0.000+/-0.000 χ^2/NDF: 95.8/98



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: 5846584.6/27

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

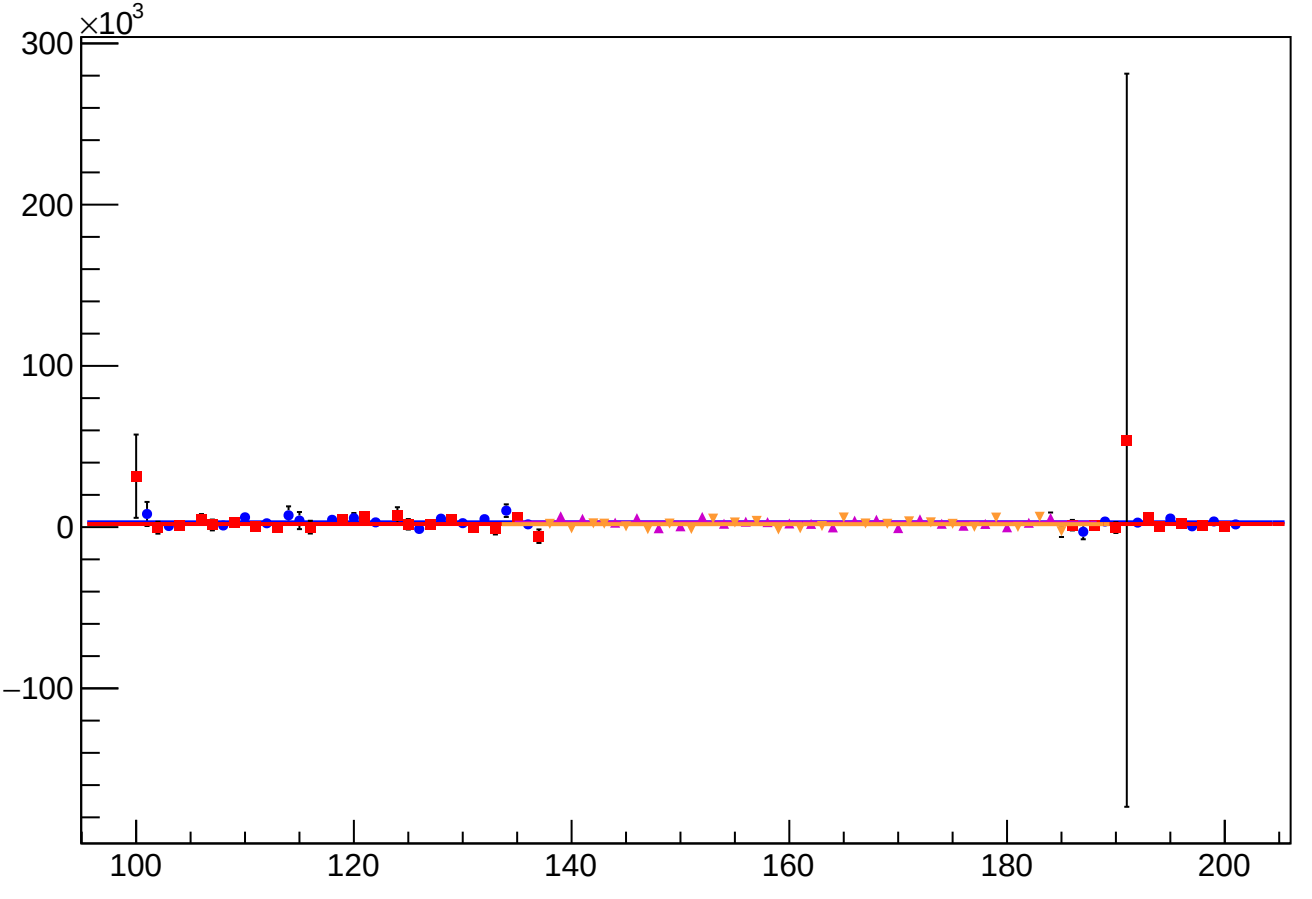
Right: 0.000+/-0.000 χ^2/NDF: 10610788.6/50

In: 0.000+/-0.000 χ^2/NDF:9792589.4/45

Out: 0.000+/-0.000 χ^2/NDF:30672590.5/52

All: 0.000+/-0.000 χ^2/NDF: 54885571.6/98

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: 1919.761+/-537.815 χ^2/NDF: 21.6/27

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

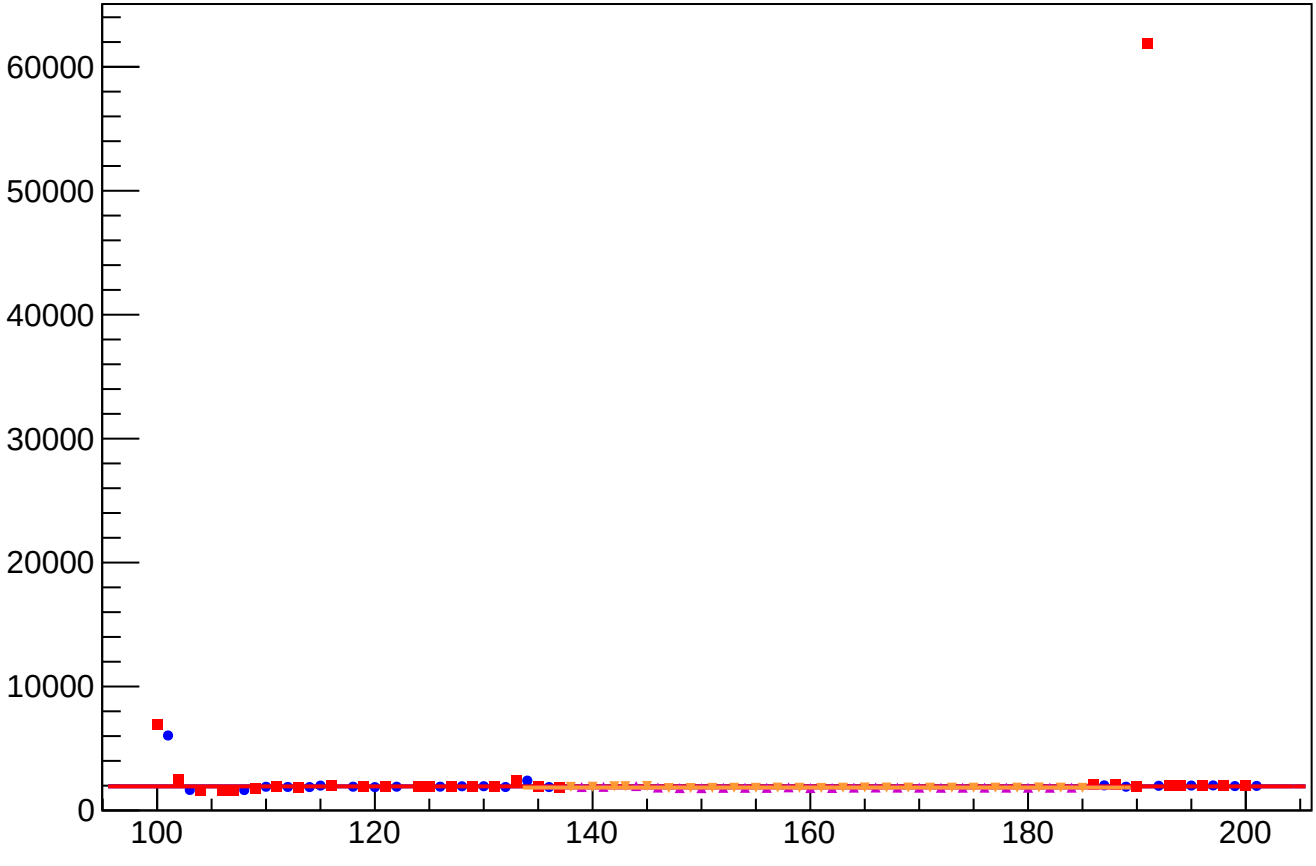
Right: 2424.421+/-388.527 χ^2/NDF: 39.7/50

In: 2849.646+/-341.917 χ^2/NDF:41.8/45

Out: 1877.670+/-331.023 χ^2/NDF:53.1/52

All: 2347.928+/-237.827 χ^2/NDF: 99.1/98

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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: 1942.053+/-0.380 χ^2/NDF: 403431.5/27

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

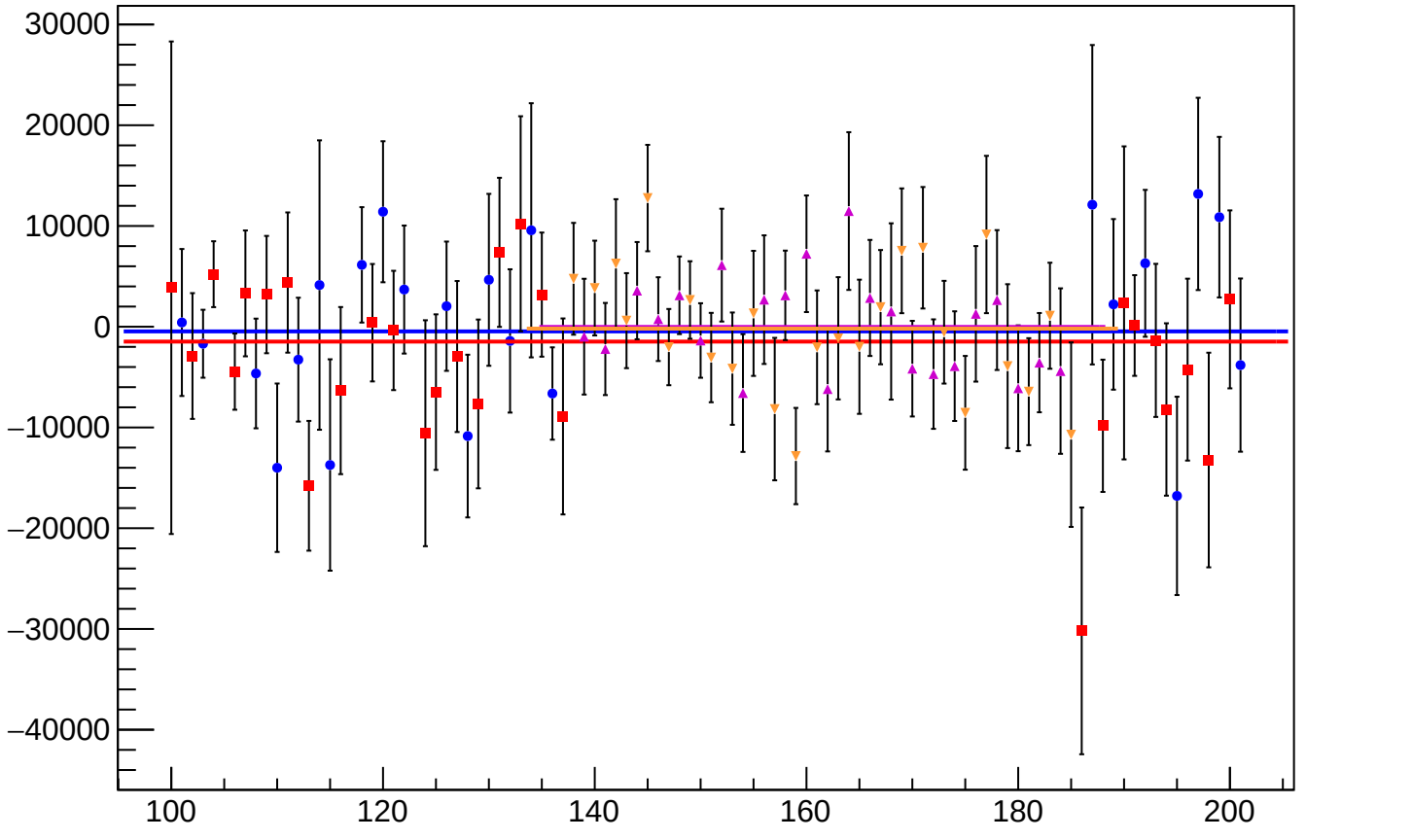
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1944.246+/-0.274 χ^2/NDF: 1109808.7/50

In: 1882.677+/-0.242 χ^2/NDF:761501.3/45

Out: 1884.042+/-0.234 χ^2/NDF:461984.9/52

All: 1883.382+/-0.168 χ^2/NDF: 1223502.7/98



Right In: -463.029+/-1435.660 χ^2/NDF: 23.1/22

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1476.211+/-1267.031 χ^2/NDF: 27.2/27

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

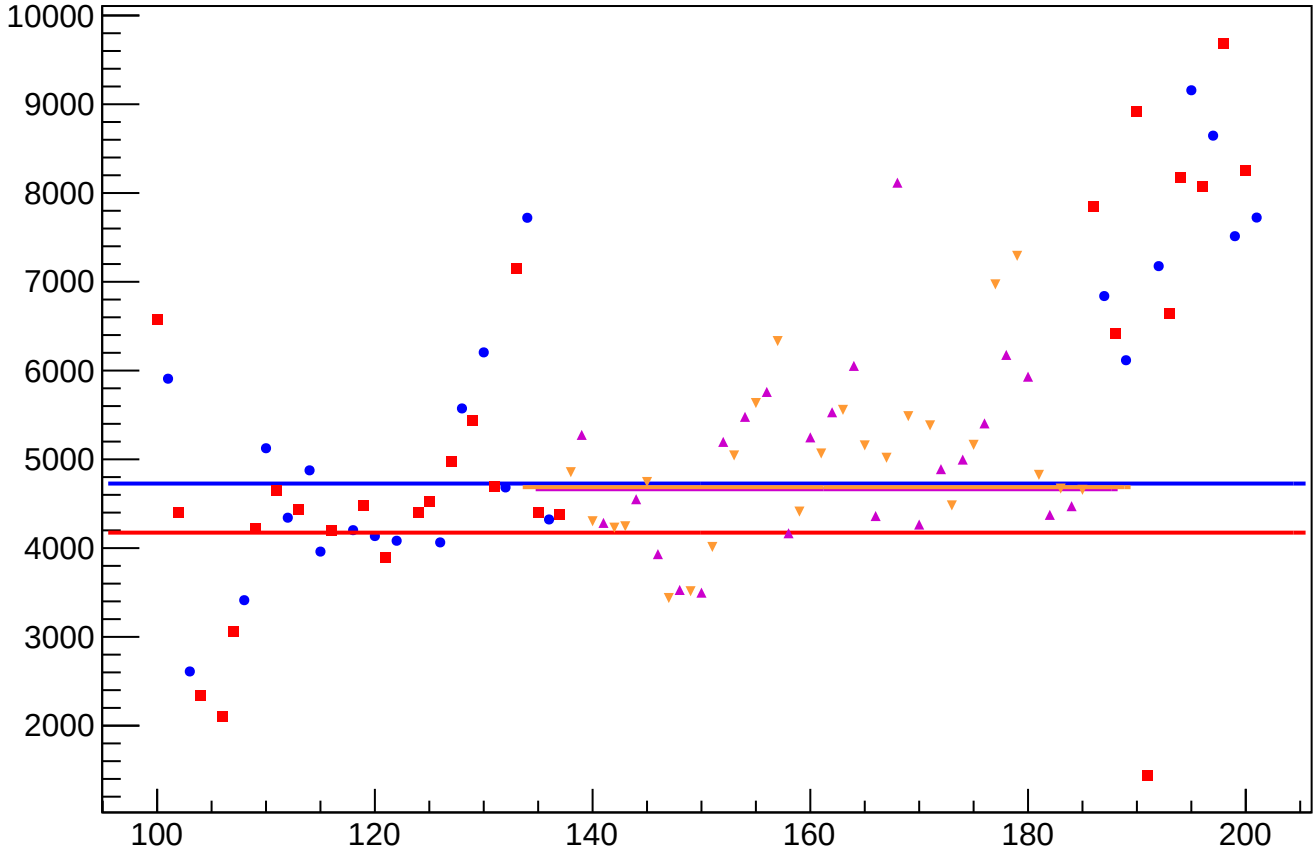
Right: -1032.591+/-949.978 χ^2/NDF: 50.5/50

In: -185.852+/-879.414 χ^2/NDF:36.9/45

Out: -735.934+/-825.705 χ^2/NDF:56.7/52

All: -478.202+/-601.954 χ^2/NDF: 93.8/98

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4727.227+/-1.015 χ^2/NDF: 2808383.6/22

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4174.367+/-0.896 χ^2/NDF: 4763999.1/27

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

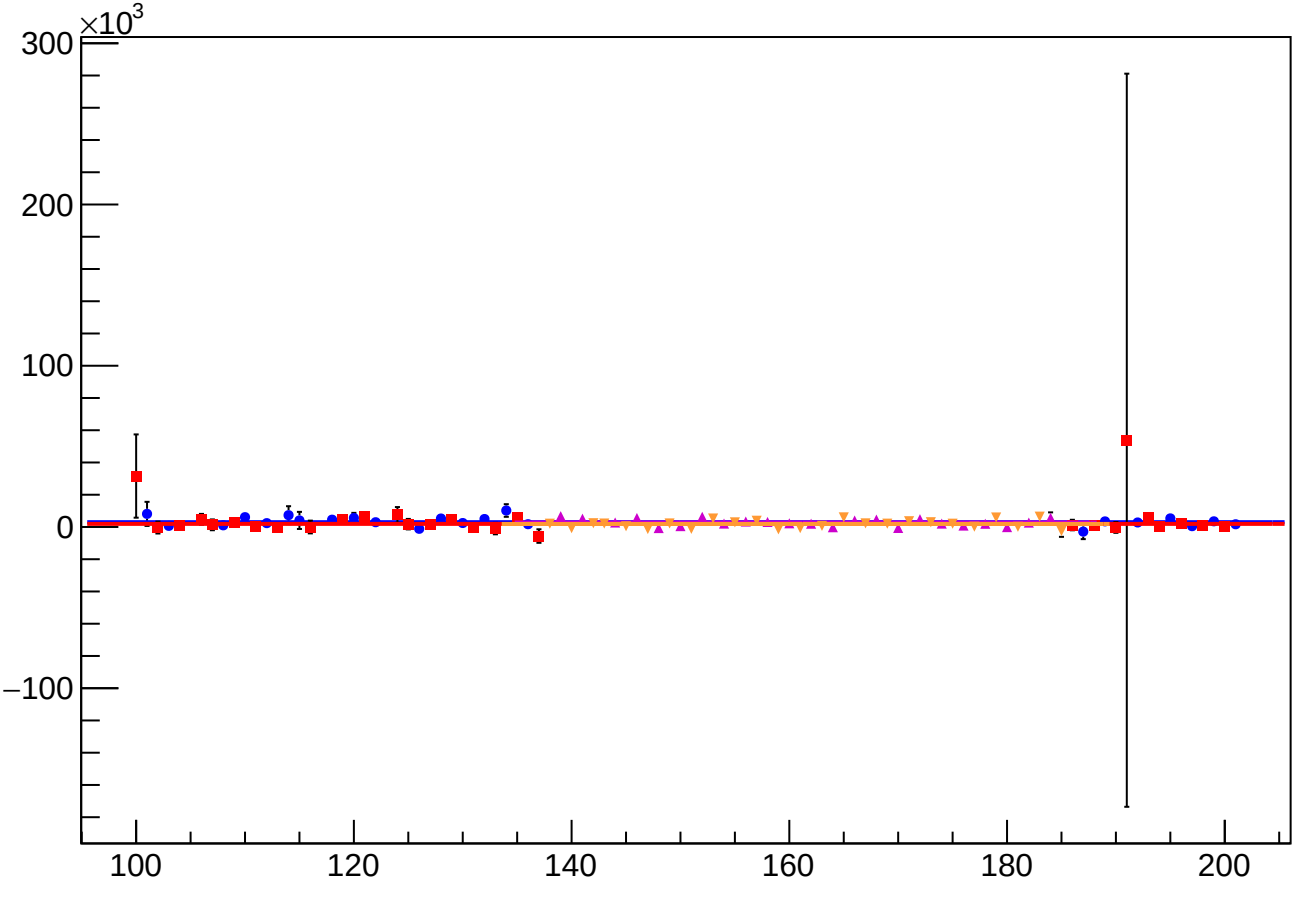
Right: 4416.435+/-0.672 χ^2/NDF: 7739111.8/50

In: 4687.269+/-0.622 χ^2/NDF:4097589.7/45

Out: 4468.915+/-0.584 χ^2/NDF:6136939.4/52

All: 4571.221+/-0.426 χ^2/NDF: 10300059.5/9

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: 1920.380+/-537.816 χ^2/NDF: 21.6/27

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

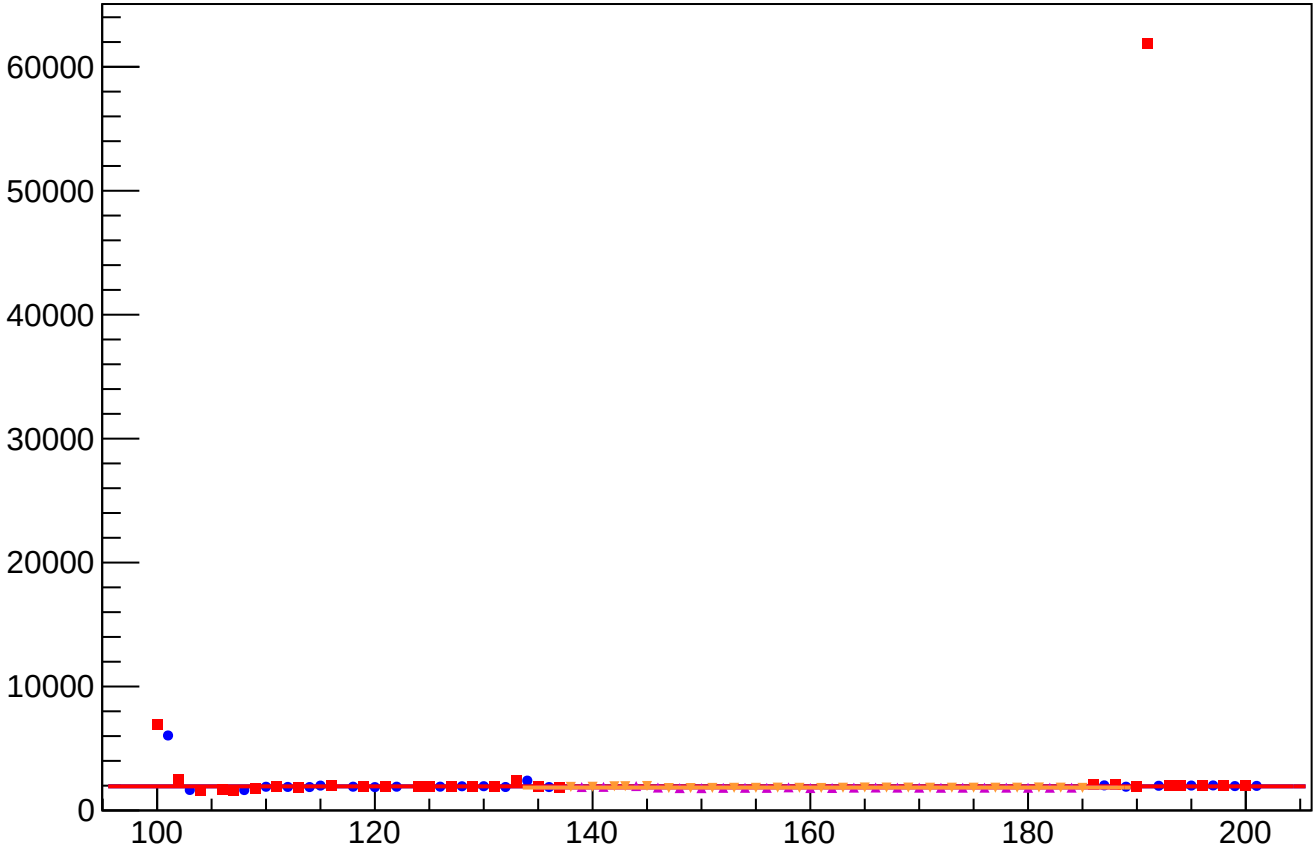
Right: 2424.588+/-388.528 χ^2/NDF: 39.7/50

In: 2849.510+/-341.917 χ^2/NDF:41.8/45

Out: 1877.835+/-331.024 χ^2/NDF:53.1/52

All: 2347.948+/-237.827 χ^2/NDF: 99.1/98

cor_asym_atr_avg_rms vs Slug, Sign Corrected



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: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

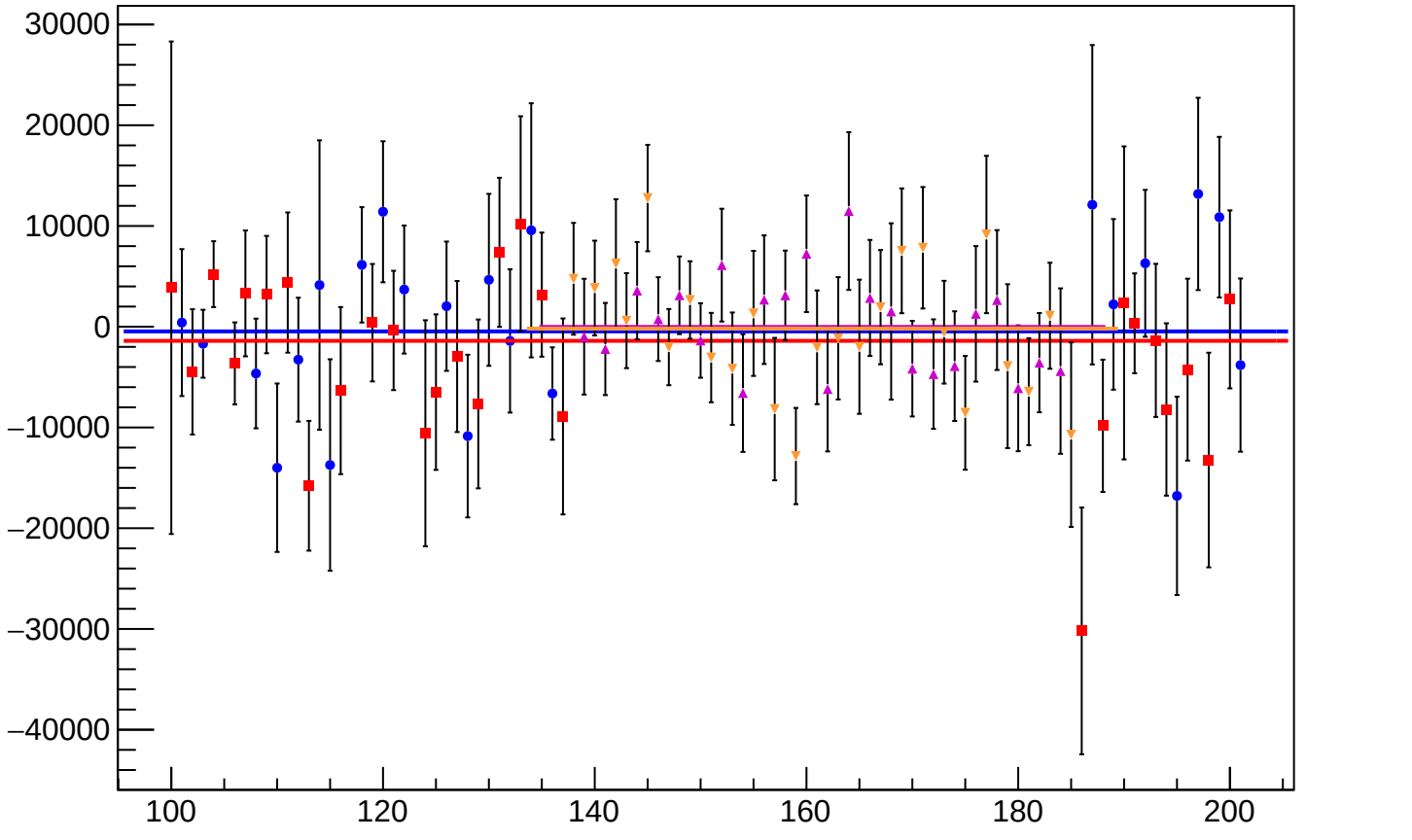
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1945.500+/-0.275 χ^2/NDF: 1101641.3/50

In: 1882.677+/-0.242 χ^2/NDF:761500.6/45

Out: 1884.903+/-0.234 χ^2/NDF:455772.9/52

All: 1883.827+/-0.168 χ^2/NDF: 1217317.2/98



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: -1399.692+/-1275.940 χ^2/NDF: 27.0/27

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

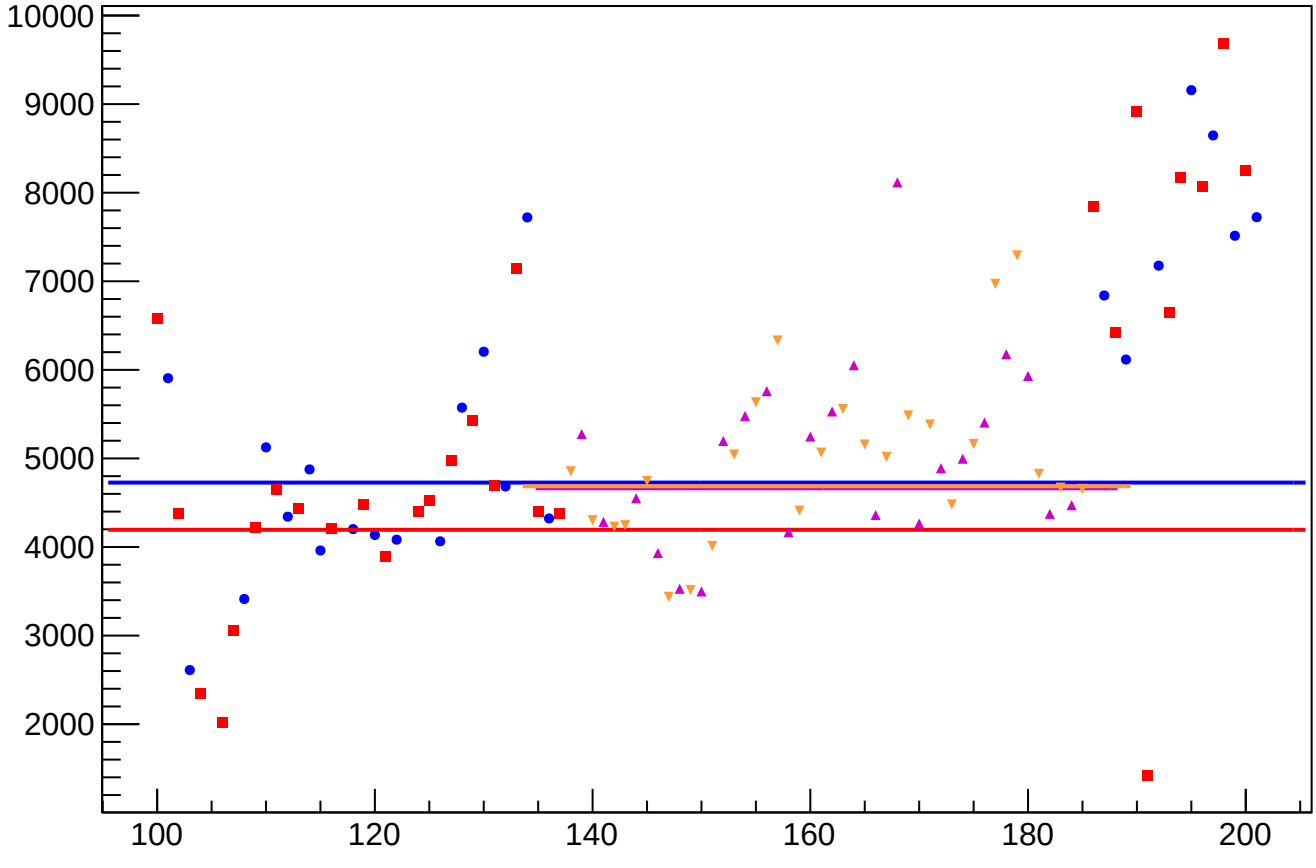
Right: -986.452+/-953.717 χ^2/NDF: 50.4/50

In: -185.970+/-879.414 χ^2/NDF:36.9/45

Out: -699.314+/-828.156 χ^2/NDF:56.5/52

All: -458.038+/-602.902 χ^2/NDF: 93.6/98

asym_atr_avg_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: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

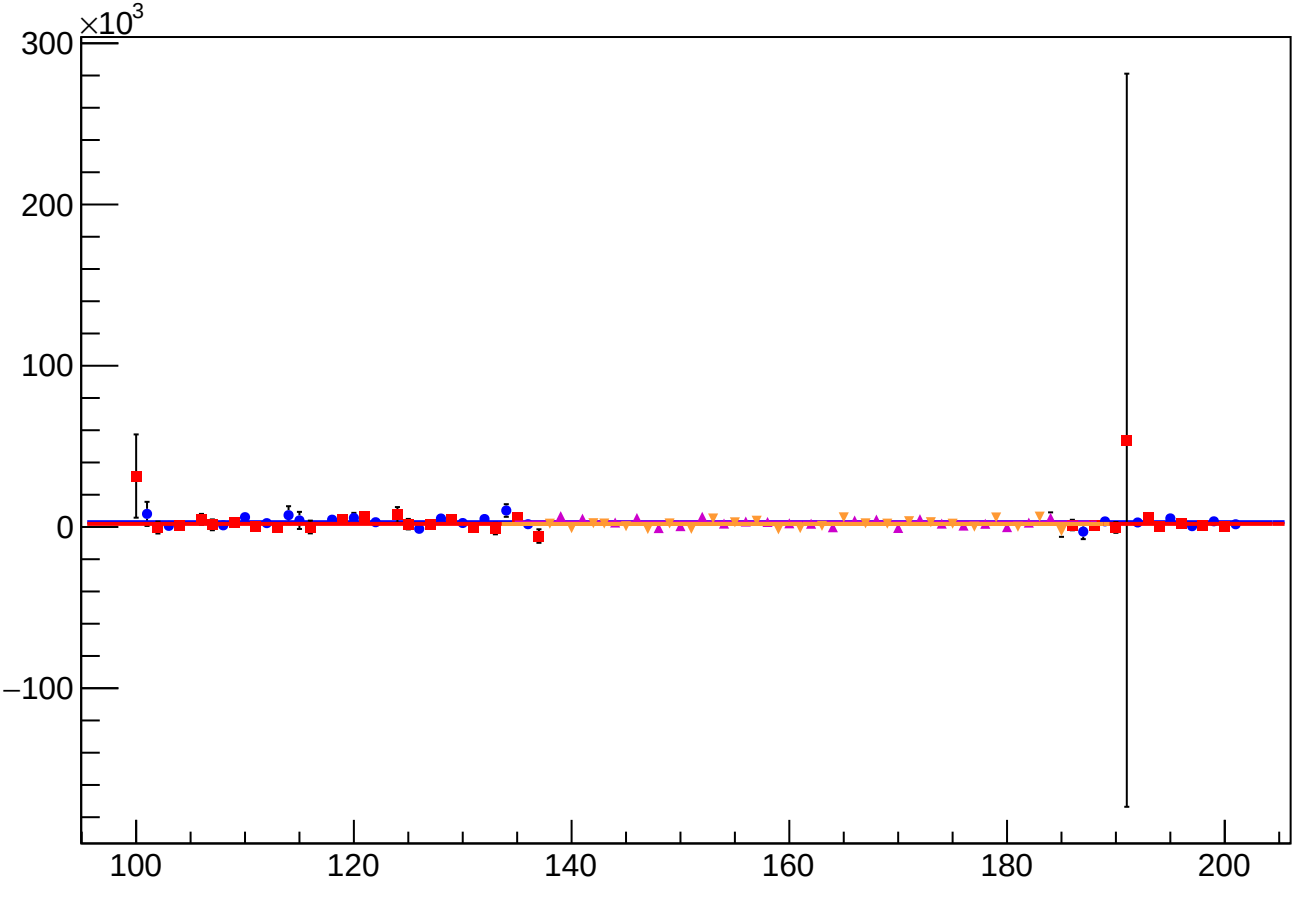
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4429.611+/-0.674 χ^2/NDF: 7697758.1/50

In: 4687.299+/-0.622 χ^2/NDF:4097004.5/45

Out: 4479.133+/-0.586 χ^2/NDF:6093143.3/52

All: 4576.972+/-0.426 χ^2/NDF: 10249540.7/9



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: 1920.380+/-537.816 χ^2/NDF: 21.6/27

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

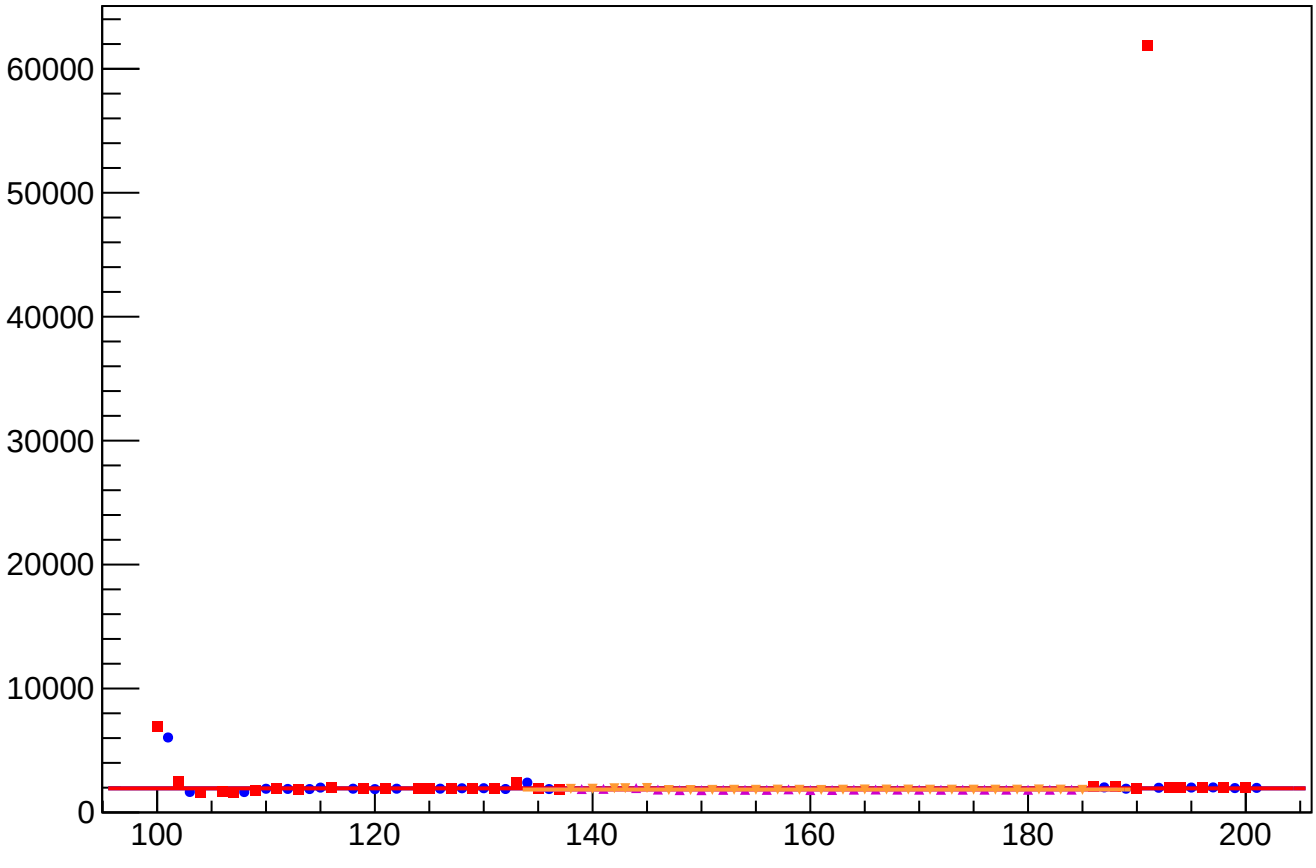
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2424.588+/-388.528 χ^2/NDF: 39.7/50

In: 2849.510+/-341.917 χ^2/NDF:41.8/45

Out: 1877.835+/-331.024 χ^2/NDF:53.1/52

All: 2347.948+/-237.827 χ^2/NDF: 99.1/98



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: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

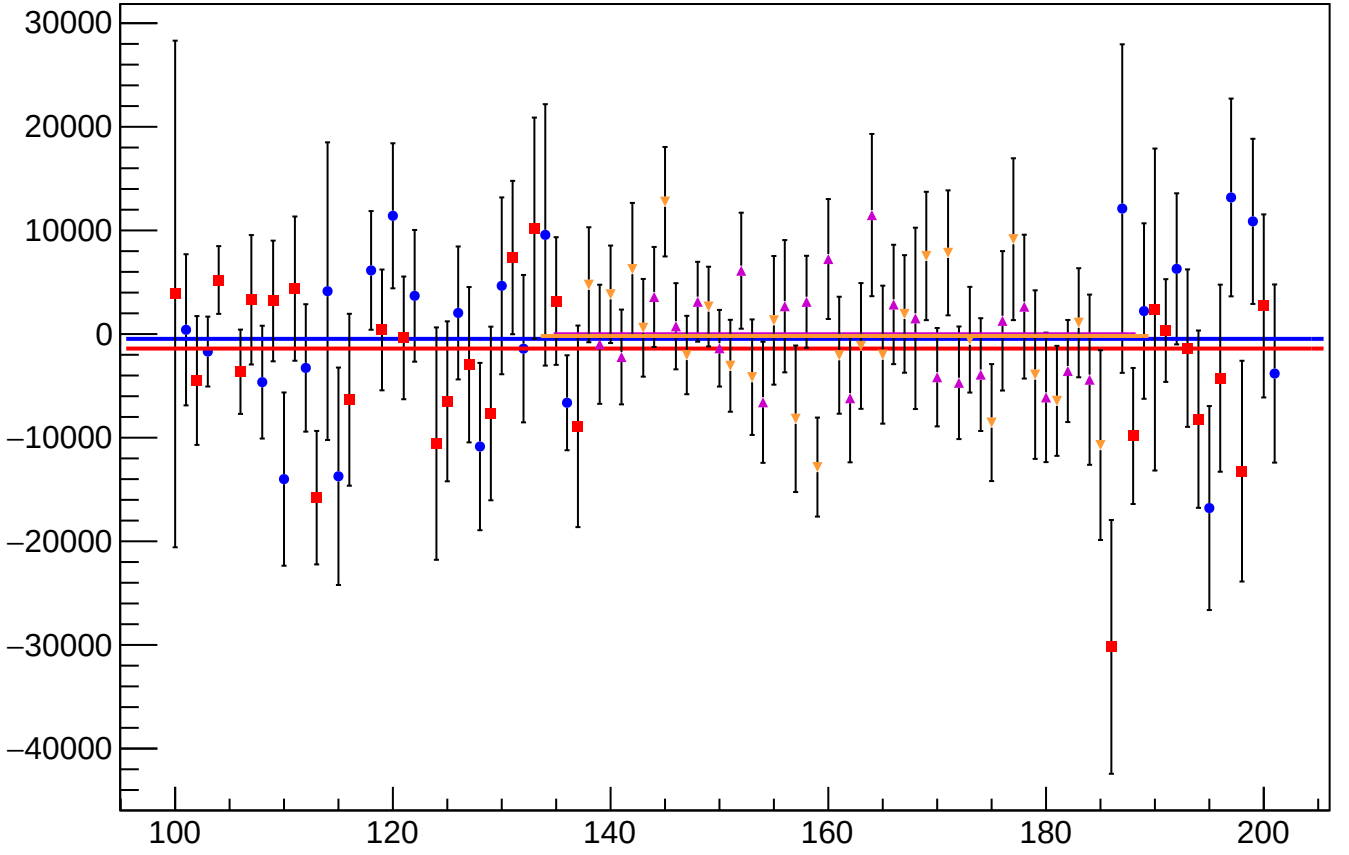
Right: 1945.500+/-0.275 χ^2/NDF: 1101641.3/50

In: 1882.677+/-0.242 χ^2/NDF:761500.6/45

Out: 1884.903+/-0.234 χ^2/NDF:455772.9/52

All: 1883.827+/-0.168 χ^2/NDF: 1217317.2/98

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: -1399.692+/-1275.940 χ^2/NDF: 27.0/27

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

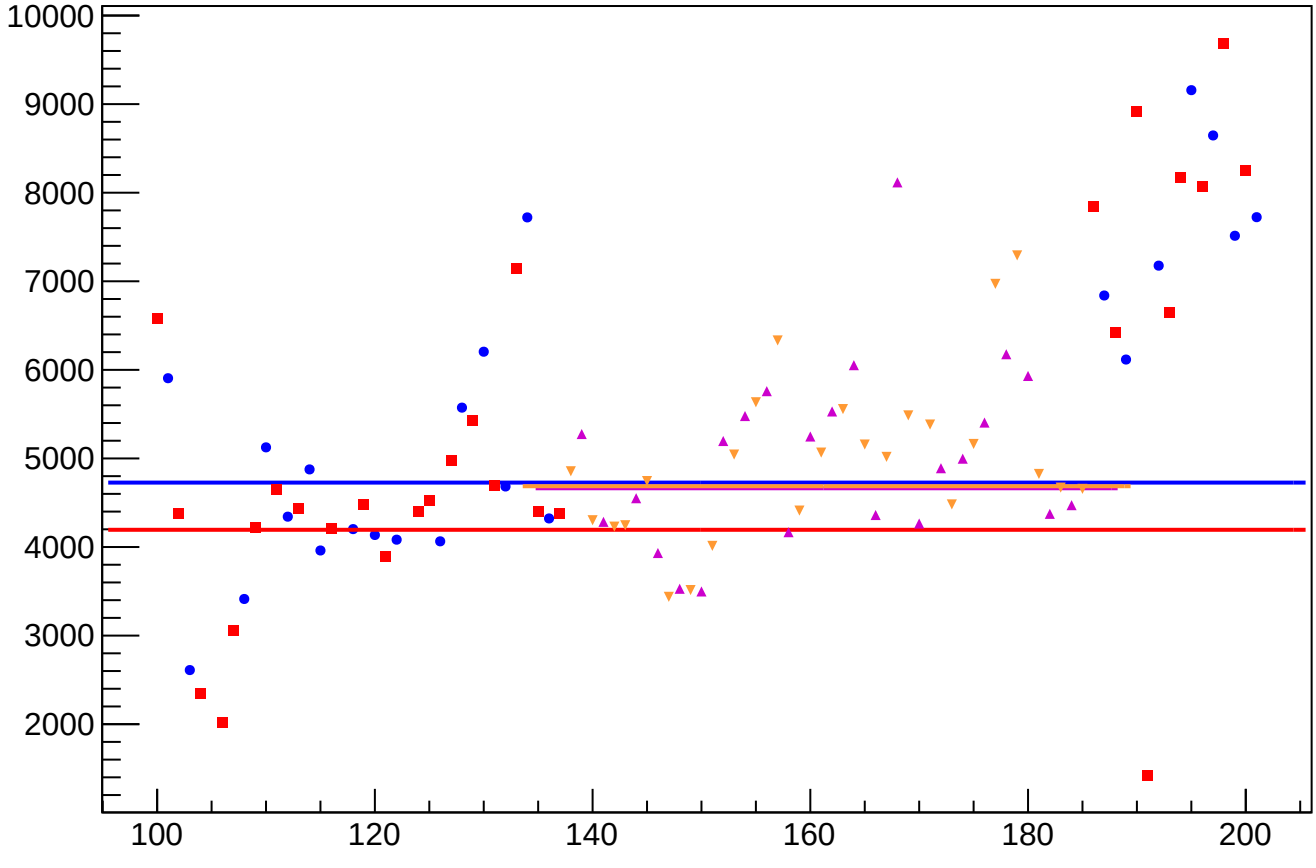
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -986.452+/-953.717 χ^2/NDF: 50.4/50

In: -185.970+/-879.414 χ^2/NDF:36.9/45

Out: -699.314+/-828.156 χ^2/NDF:56.5/52

All: -458.038+/-602.902 χ^2/NDF: 93.6/98



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: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

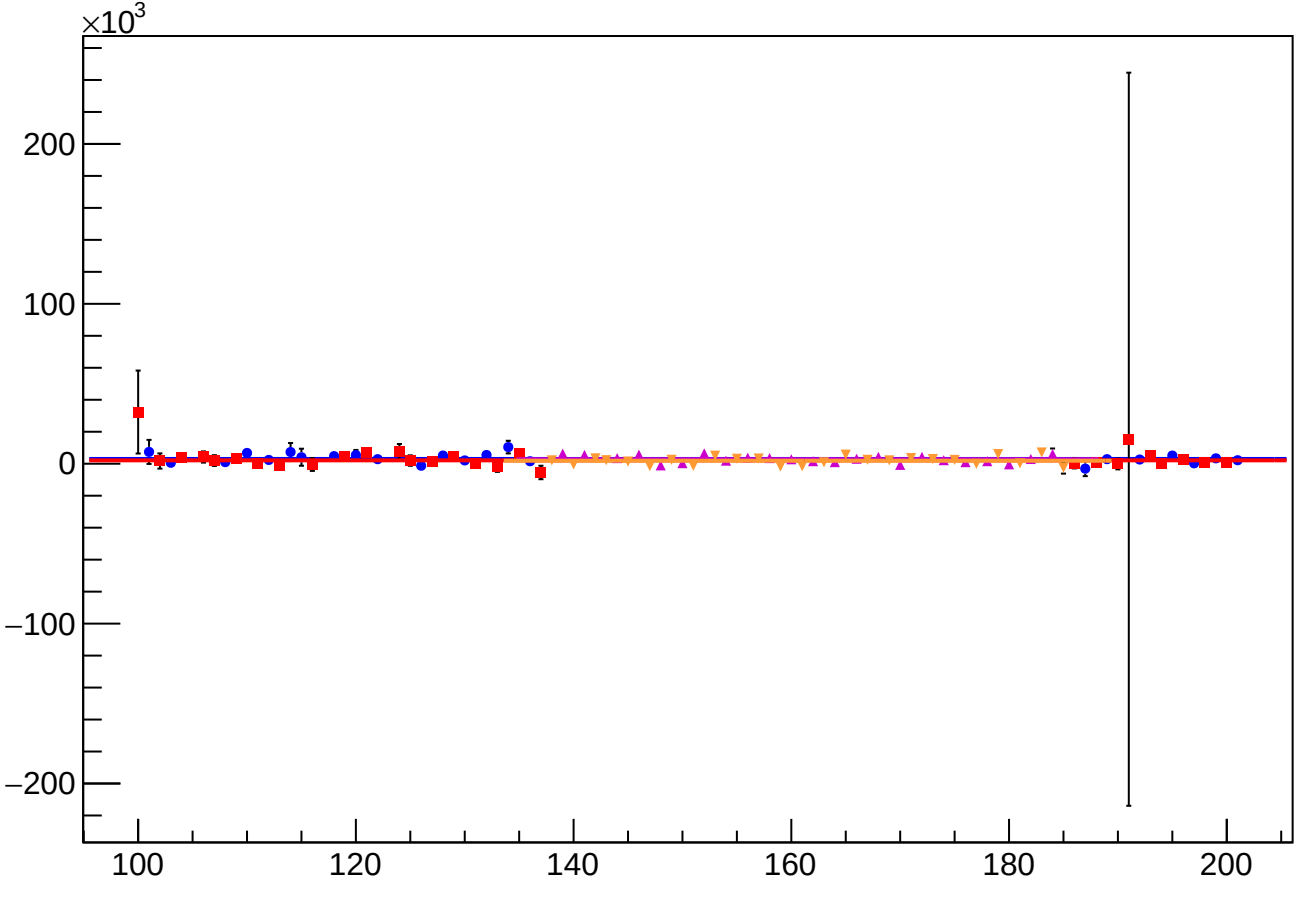
Right: 4429.611+/-0.674 χ^2/NDF: 7697758.1/50

In: 4687.299+/-0.622 χ^2/NDF:4097004.5/45

Out: 4479.133+/-0.586 χ^2/NDF:6093143.3/52

All: 4576.972+/-0.426 χ^2/NDF: 10249540.7/9

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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: 2119.693+/-551.151 χ^2/NDF: 22.0/27

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

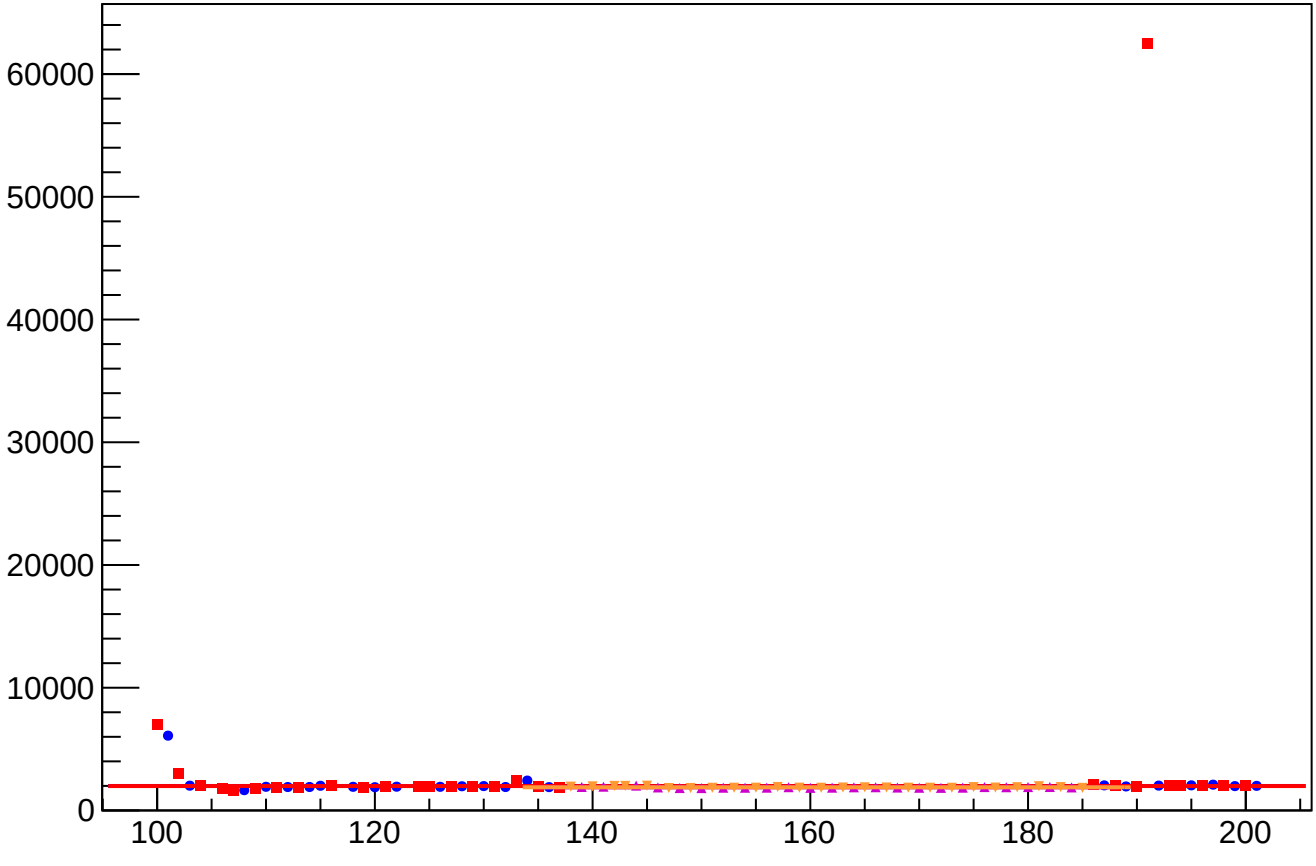
Right: 2527.996+/-397.969 χ^2/NDF: 39.7/50

In: 2862.646+/-349.103 χ^2/NDF:42.0/45

Out: 1971.004+/-338.525 χ^2/NDF:55.1/52

All: 2403.112+/-243.027 χ^2/NDF: 100.5/98

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: 1987.995+/-0.390 χ^2/NDF: 417104.5/27

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

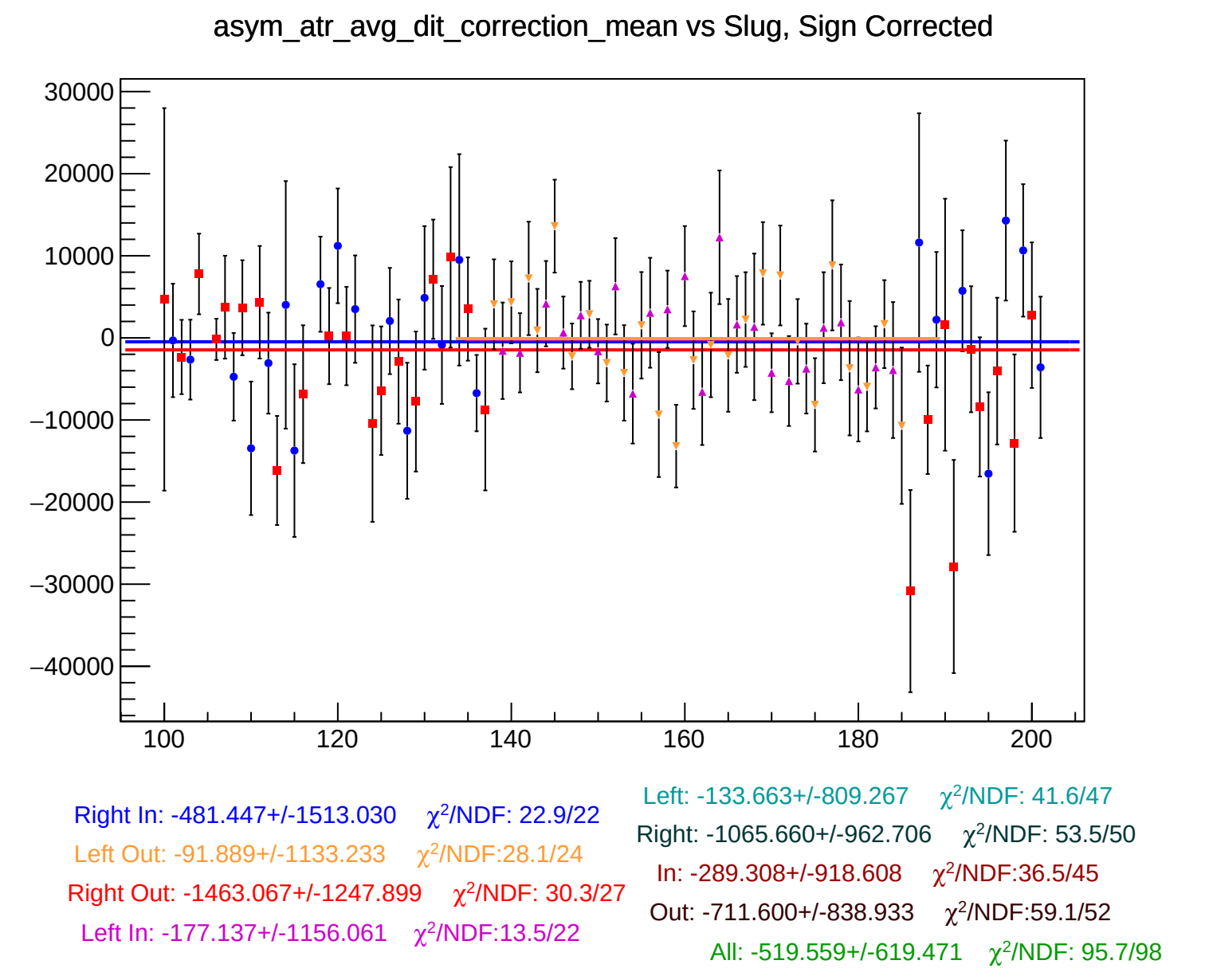
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

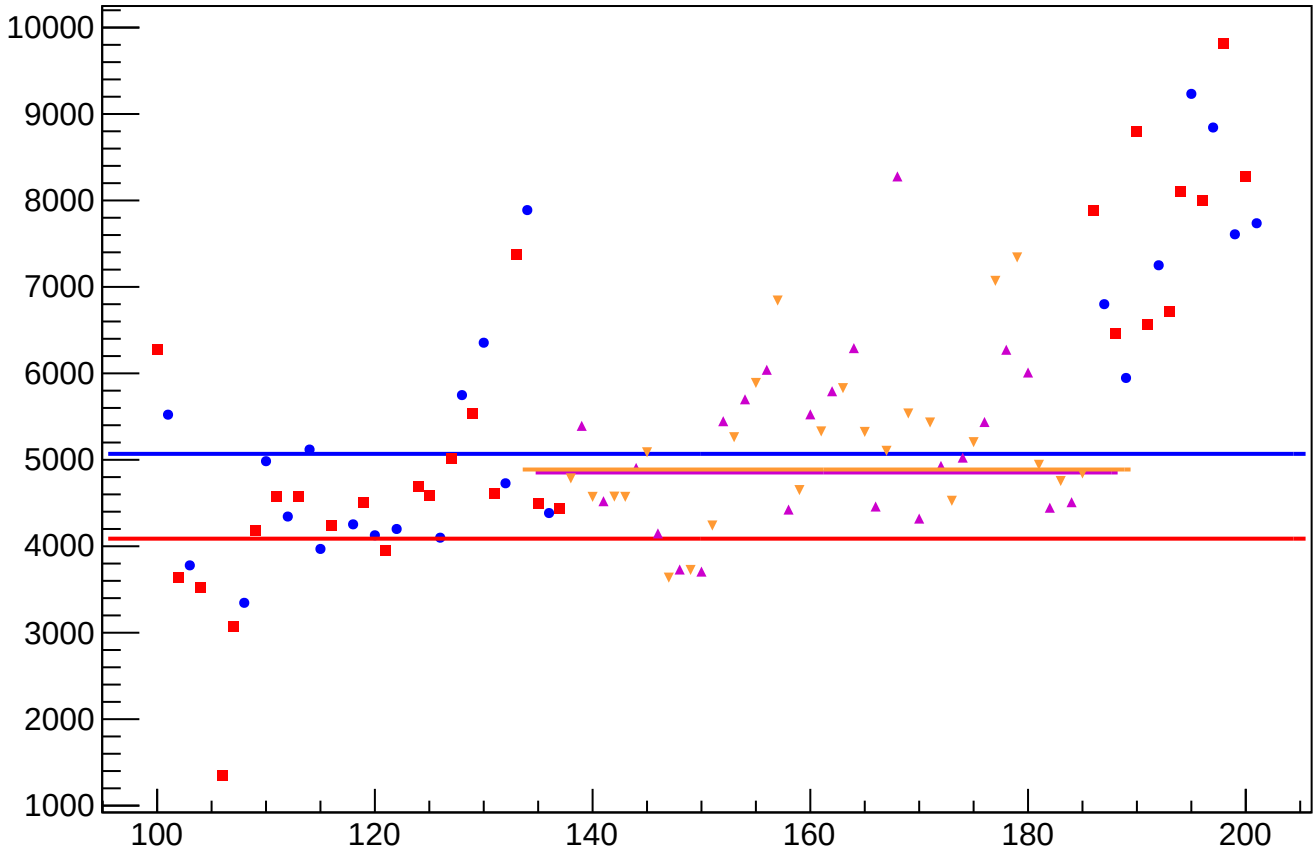
Right: 1990.871+/-0.281 χ^2/NDF: 1090484.3/50

In: 1922.352+/-0.247 χ^2/NDF:741429.0/45

Out: 1925.464+/-0.239 χ^2/NDF:490456.6/52

All: 1923.956+/-0.172 χ^2/NDF: 1231967.6/98


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: -1463.067+/-1247.899 χ²/NDF: 30.3/27
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1065.660+/-962.706 χ²/NDF: 53.5/50
In: -289.308+/-918.608 χ²/NDF:36.5/45
Out: -711.600+/-838.933 χ²/NDF:59.1/52
All: -519.559+/-619.471 χ²/NDF: 95.7/98



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: 4087.939+/-0.882 χ^2/NDF: 5611388.1/27

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

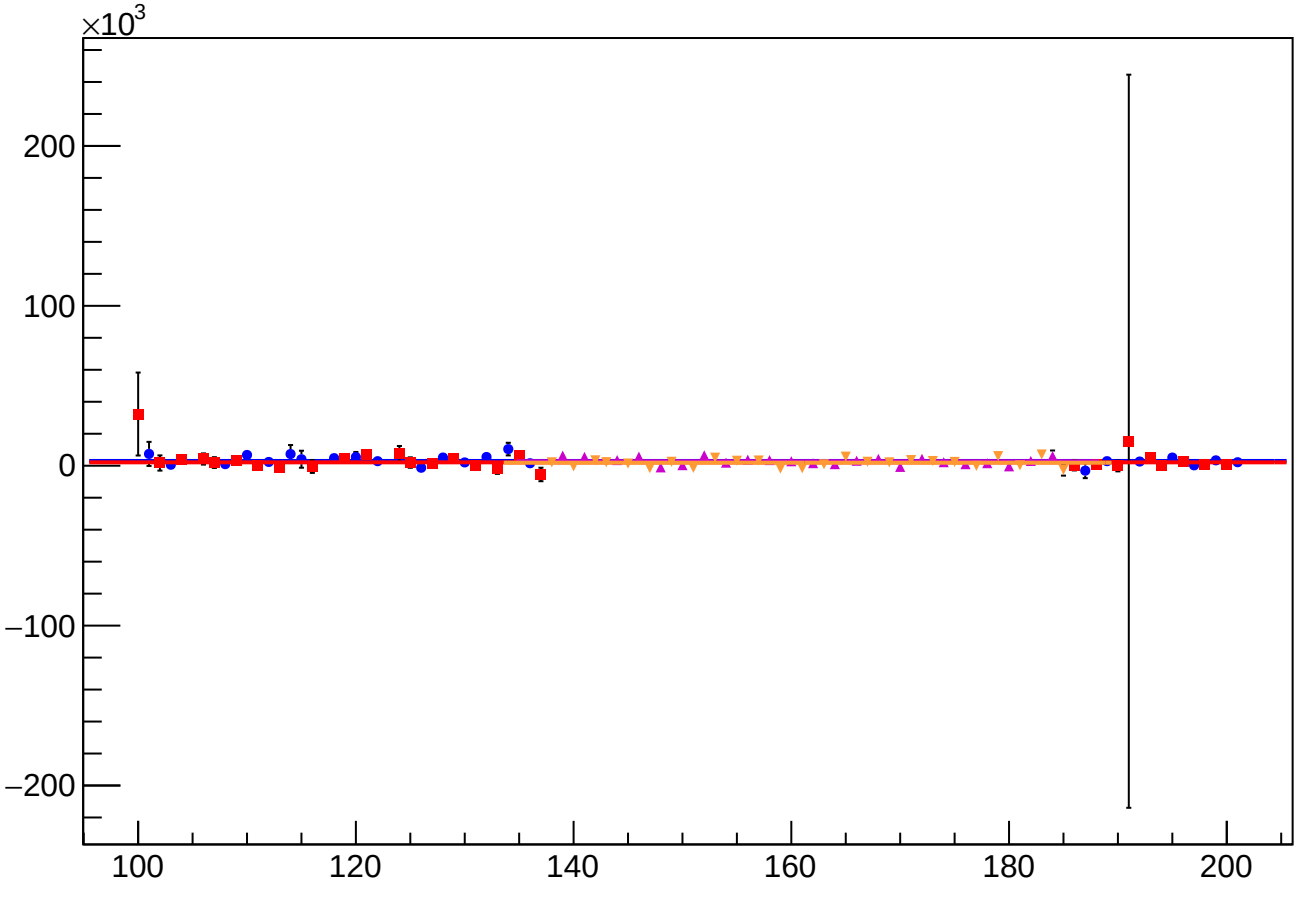
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4485.082+/-0.681 χ^2/NDF: 8140757.6/50

In: 4932.815+/-0.650 χ^2/NDF:3233284.0/45

Out: 4526.311+/-0.593 χ^2/NDF:7125027.1/52

All: 4711.173+/-0.438 χ^2/NDF: 10571855.1/9



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: 2119.695+/-551.151 χ^2/NDF: 22.0/27

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

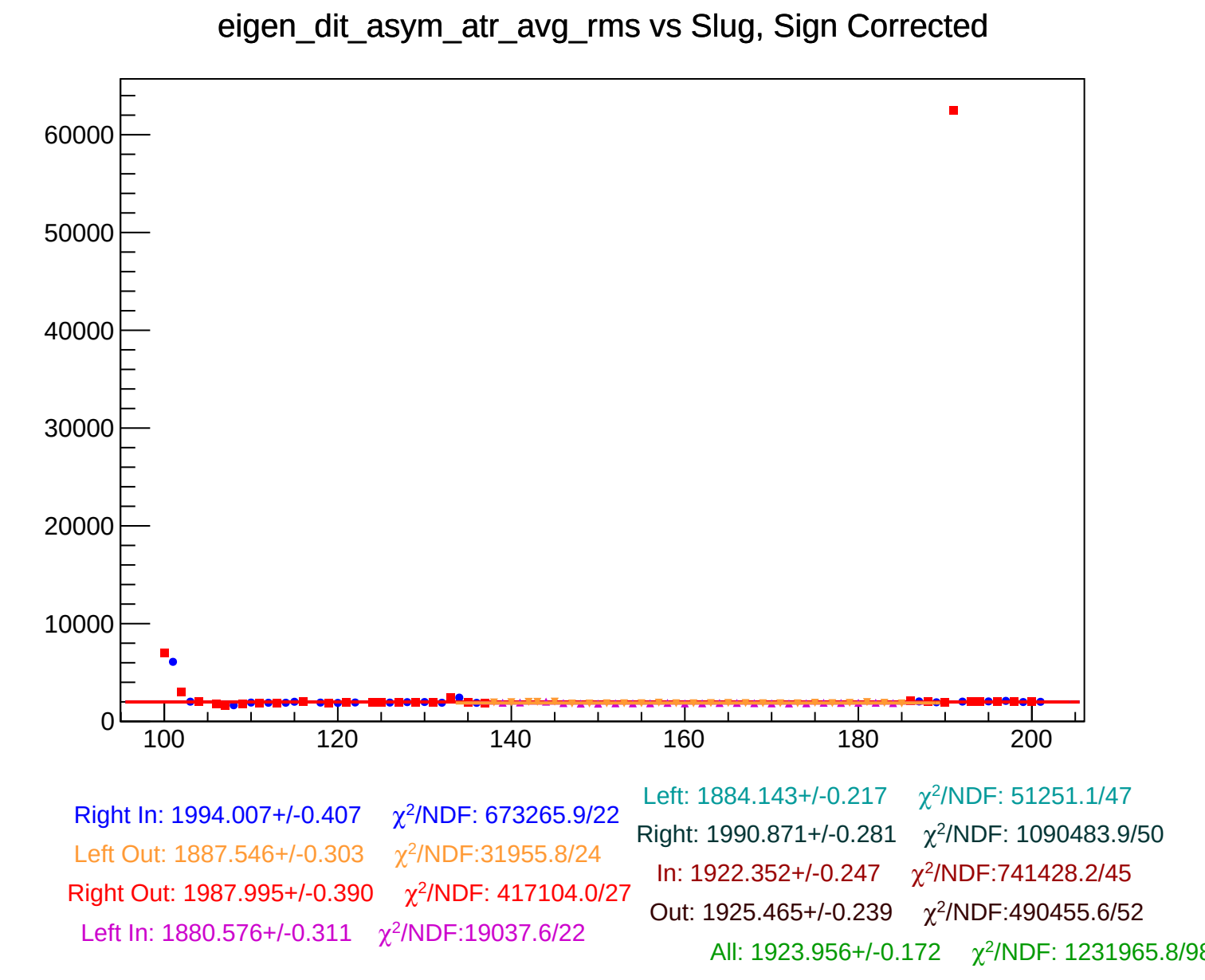
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

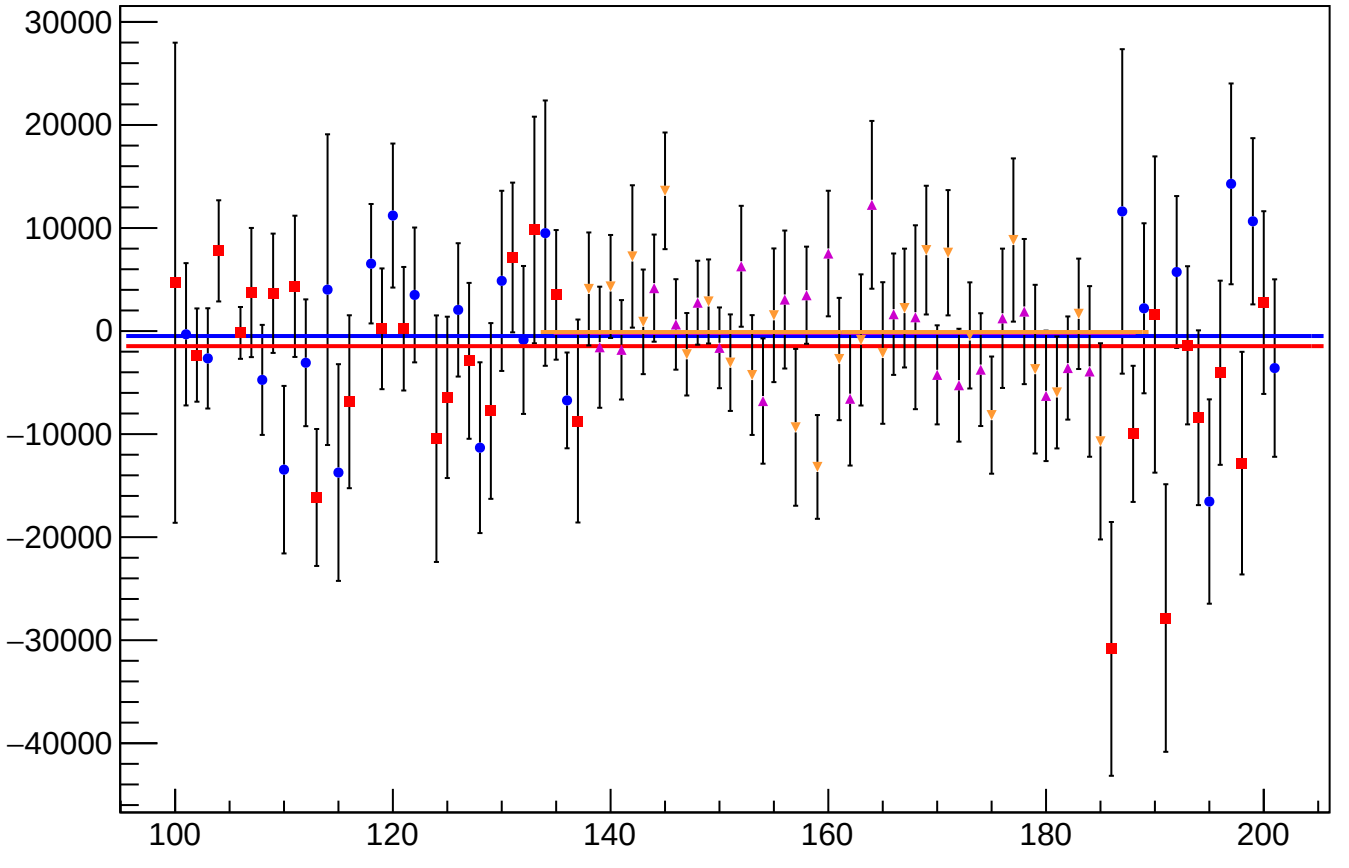
Right: 2527.998+/-397.969 χ^2/NDF: 39.7/50

In: 2862.647+/-349.103 χ^2/NDF:42.0/45

Out: 1971.001+/-338.525 χ^2/NDF:55.1/52

All: 2403.111+/-243.027 χ^2/NDF: 100.5/98


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
100
120
140
160
180
200
Right In: 1994.007+/-0.407 χ²/NDF: 673265.9/22
Left Out: 1887.546+/-0.303 χ²/NDF:31955.8/24
Right Out: 1987.995+/-0.390 χ²/NDF: 417104.0/27
Left In: 1880.576+/-0.311 χ²/NDF:19037.6/22
Left: 1884.143+/-0.217 χ²/NDF: 51251.1/47
Right: 1990.871+/-0.281 χ²/NDF: 1090483.9/50
In: 1922.352+/-0.247 χ²/NDF:741428.2/45
Out: 1925.465+/-0.239 χ²/NDF:490455.6/52
All: 1923.956+/-0.172 χ²/NDF: 1231965.8/98



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: -1463.062+/-1247.897 χ^2/NDF: 30.3/27

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

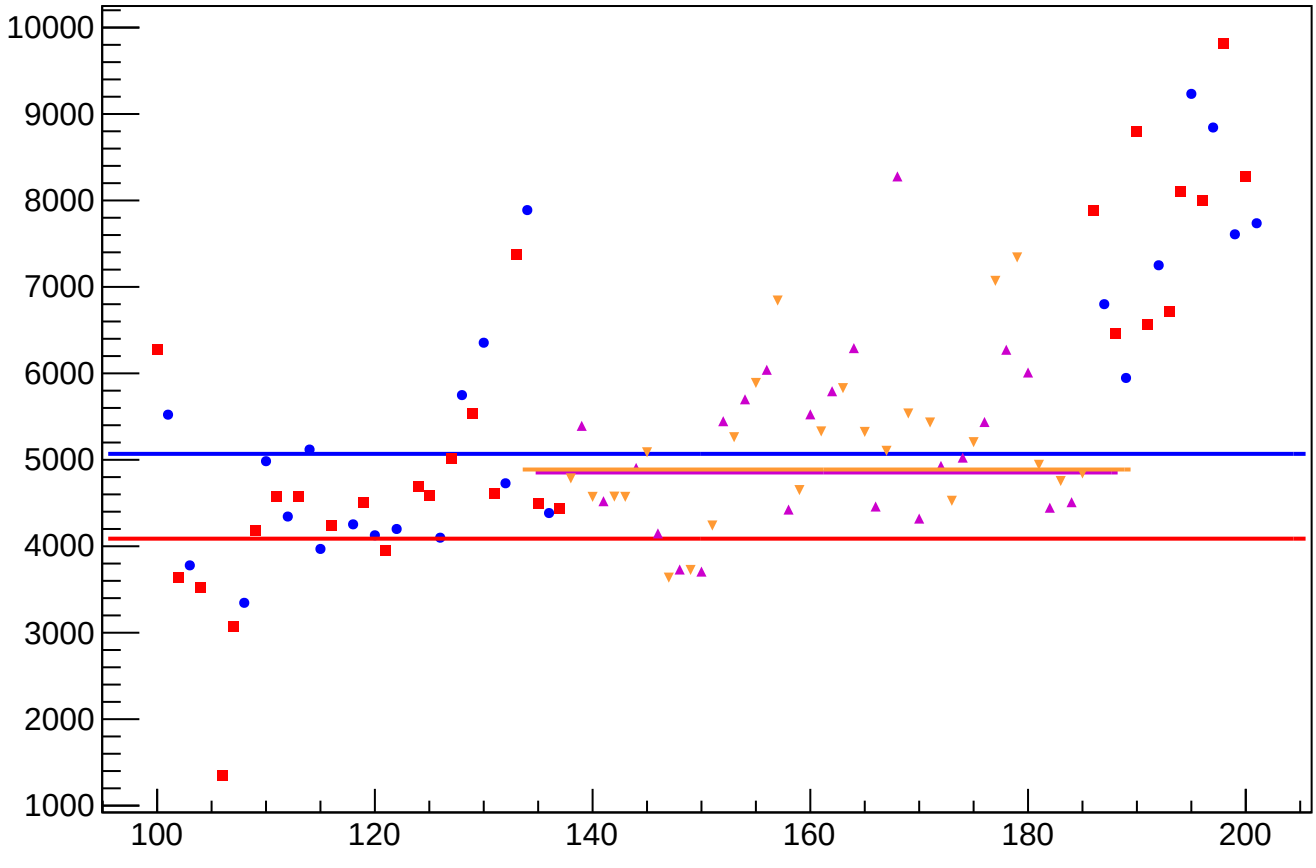
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1065.653+/-962.704 χ^2/NDF: 53.5/50

In: -289.306+/-918.608 χ^2/NDF:36.5/45

Out: -711.602+/-838.933 χ^2/NDF:59.1/52

All: -519.559+/-619.471 χ^2/NDF: 95.7/98



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: 4087.929+/-0.882 χ^2/NDF: 5611411.6/27

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

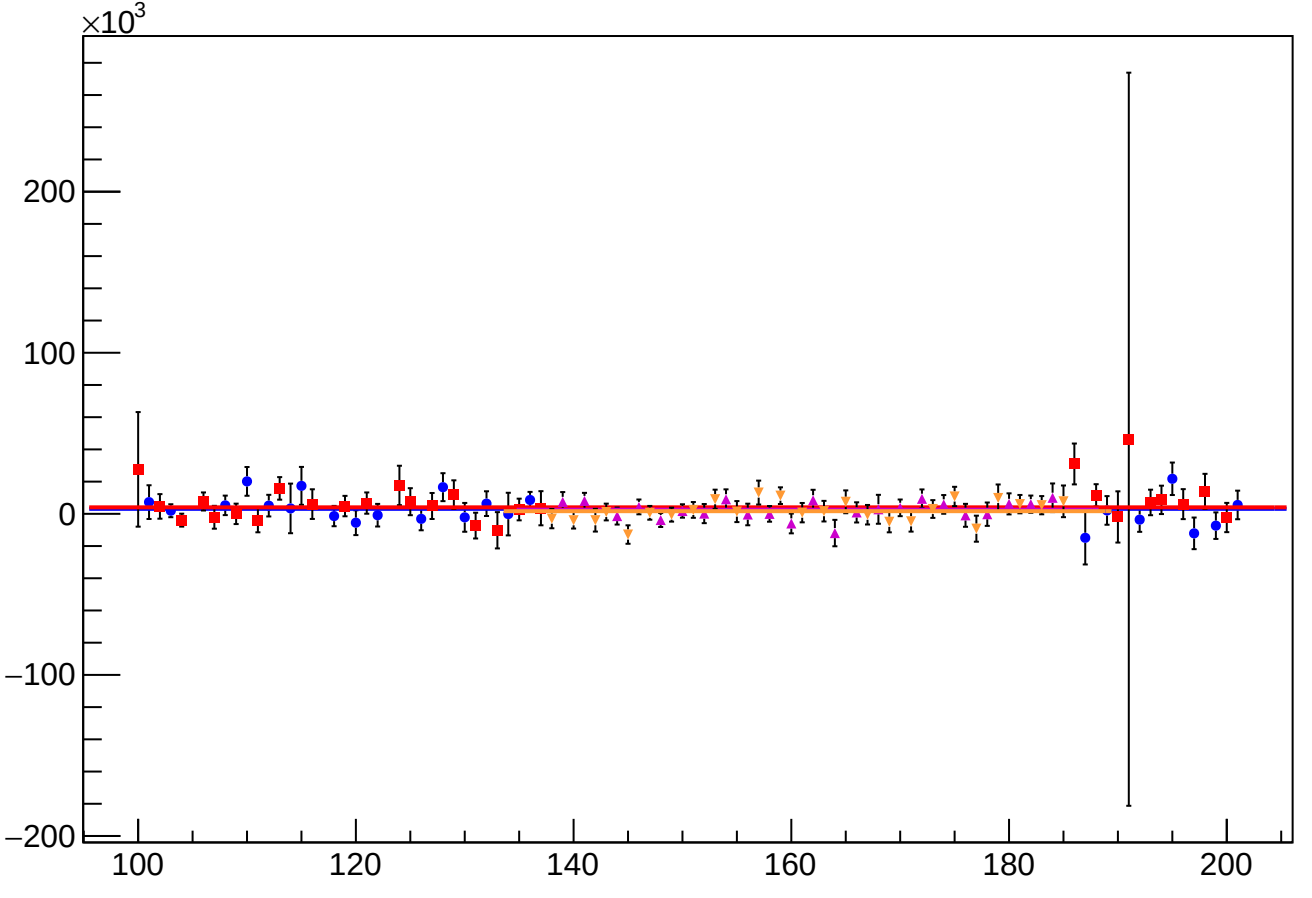
Right: 4485.074+/-0.681 χ^2/NDF: 8140797.3/50

In: 4932.817+/-0.650 χ^2/NDF:3233295.4/45

Out: 4526.310+/-0.593 χ^2/NDF:7125071.3/52

All: 4711.173+/-0.438 χ^2/NDF: 10571914.5/9

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: 4028.409+/-1491.056 χ^2/NDF: 23.6/27

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

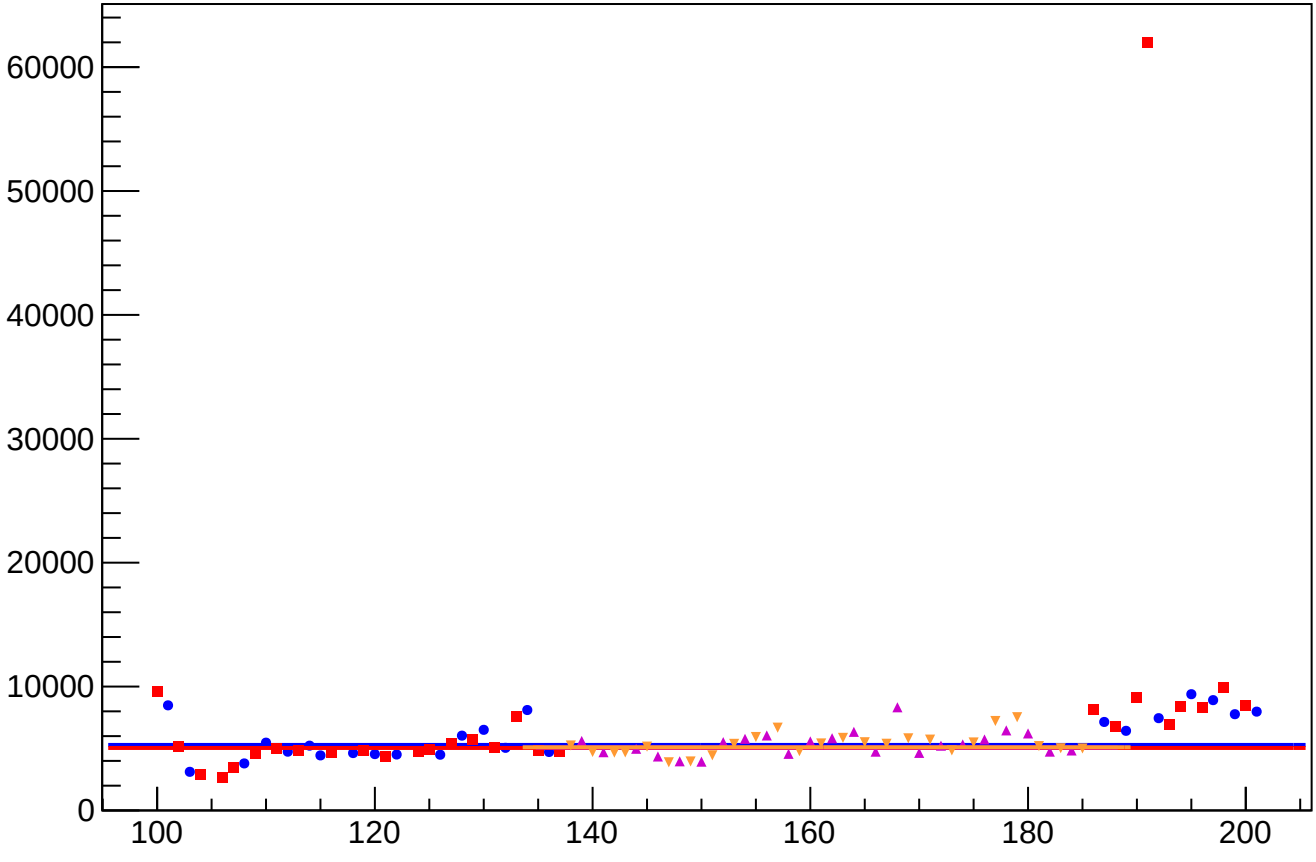
Right: 3595.016+/-1087.141 χ^2/NDF: 45.9/50

In: 2760.567+/-959.747 χ^2/NDF:38.1/45

Out: 2567.489+/-924.650 χ^2/NDF:51.1/52

All: 2660.433+/-665.888 χ^2/NDF: 89.3/98

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: 5044.256+/-1.047 χ^2/NDF: 3156134.3/27

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

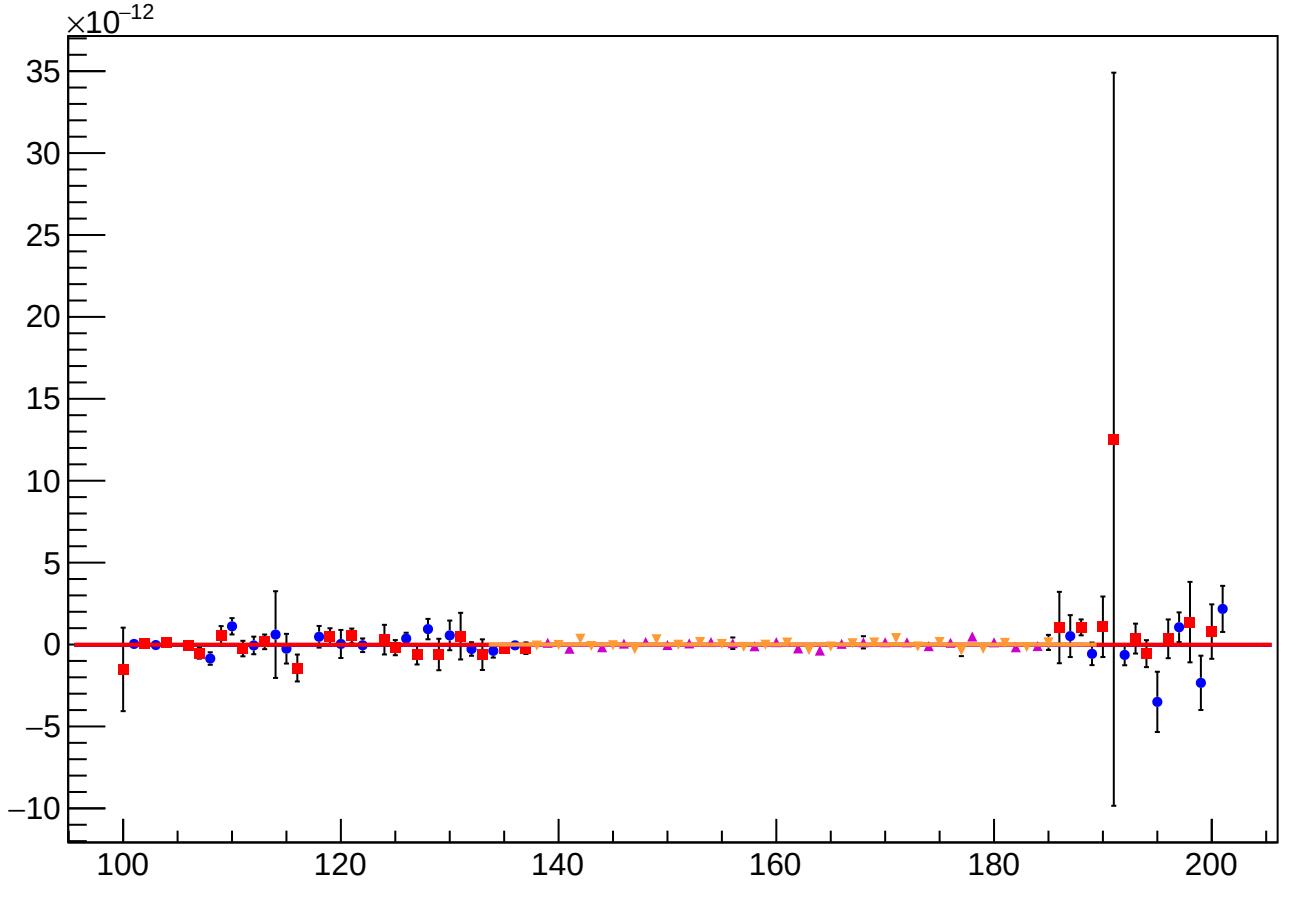
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5157.928+/-0.766 χ^2/NDF: 5542568.8/50

In: 5152.101+/-0.679 χ^2/NDF:3376307.4/45

Out: 5078.772+/-0.652 χ^2/NDF:4067240.0/52

All: 5113.973+/-0.470 χ^2/NDF: 7449617.9/98



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: 22.0/27

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

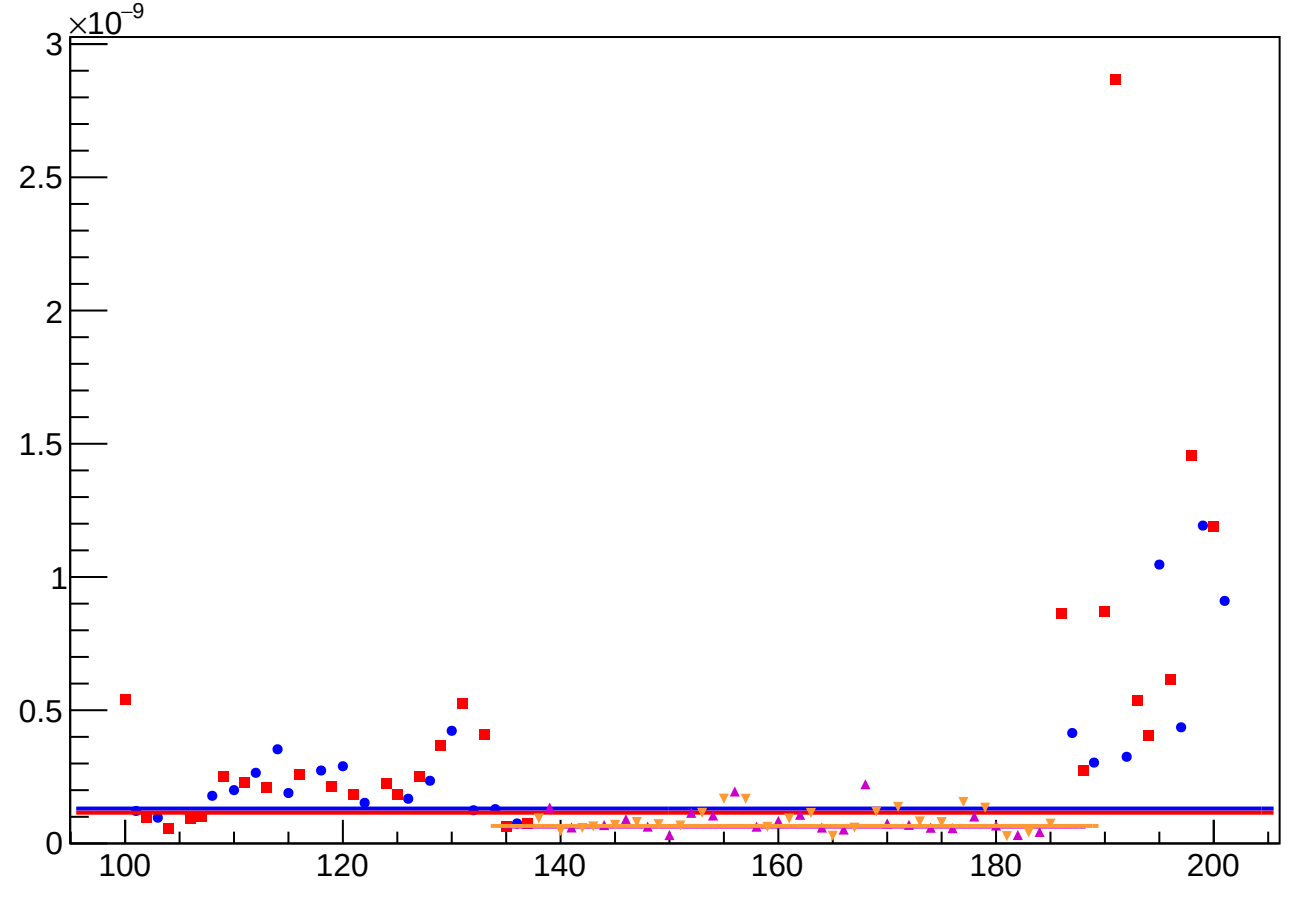
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 49.1/50

In: -0.000+/-0.000 χ^2/NDF:59.5/45

Out: -0.000+/-0.000 χ^2/NDF:55.3/52

All: -0.000+/-0.000 χ^2/NDF: 115.0/98



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: 5204653.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

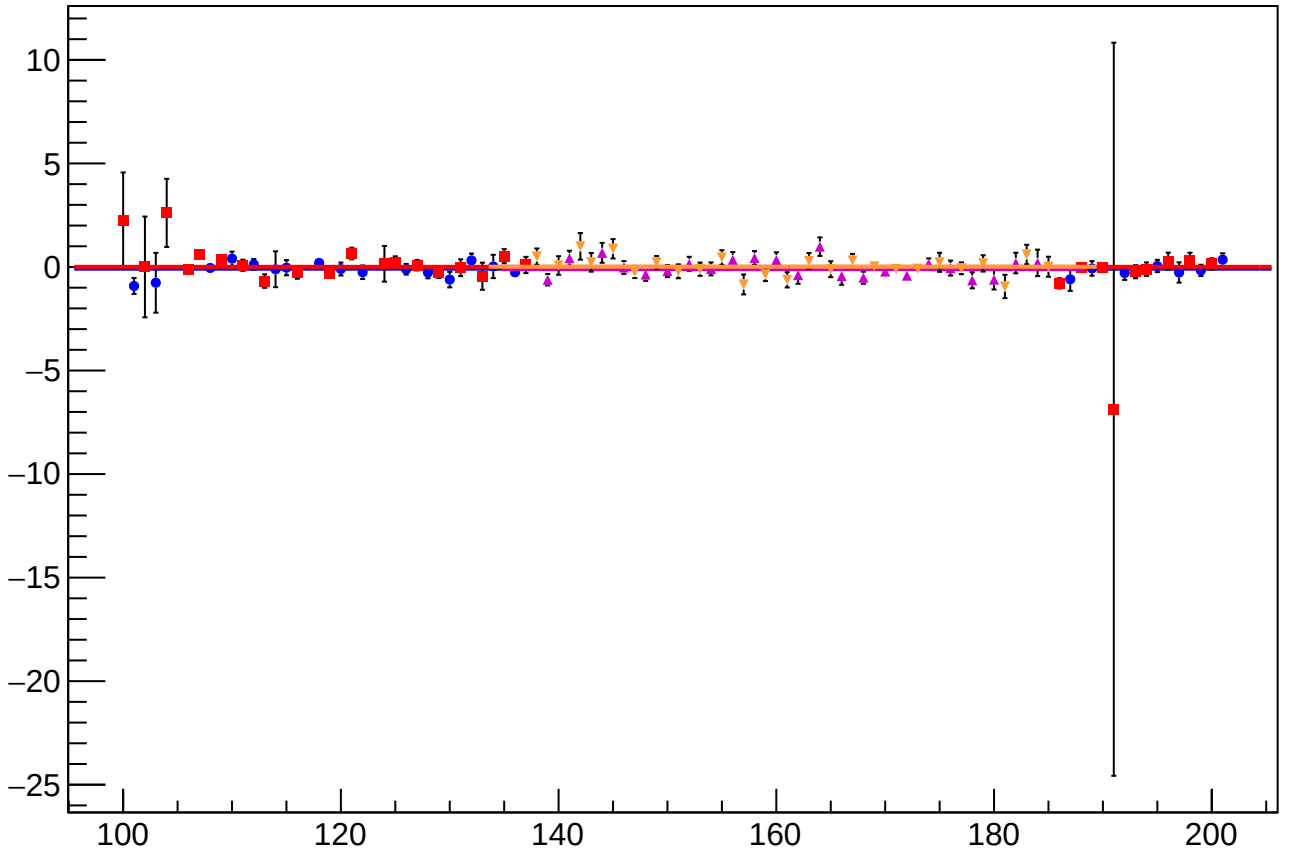
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8987507.1/50

In: 0.000+/-0.000 χ^2/NDF:7413857.5/45

Out: 0.000+/-0.000 χ^2/NDF:8530691.4/52

All: 0.000+/-0.000 χ^2/NDF: 15945515.7/98



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: 0.008+/-0.054 χ^2/NDF: 42.3/27

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

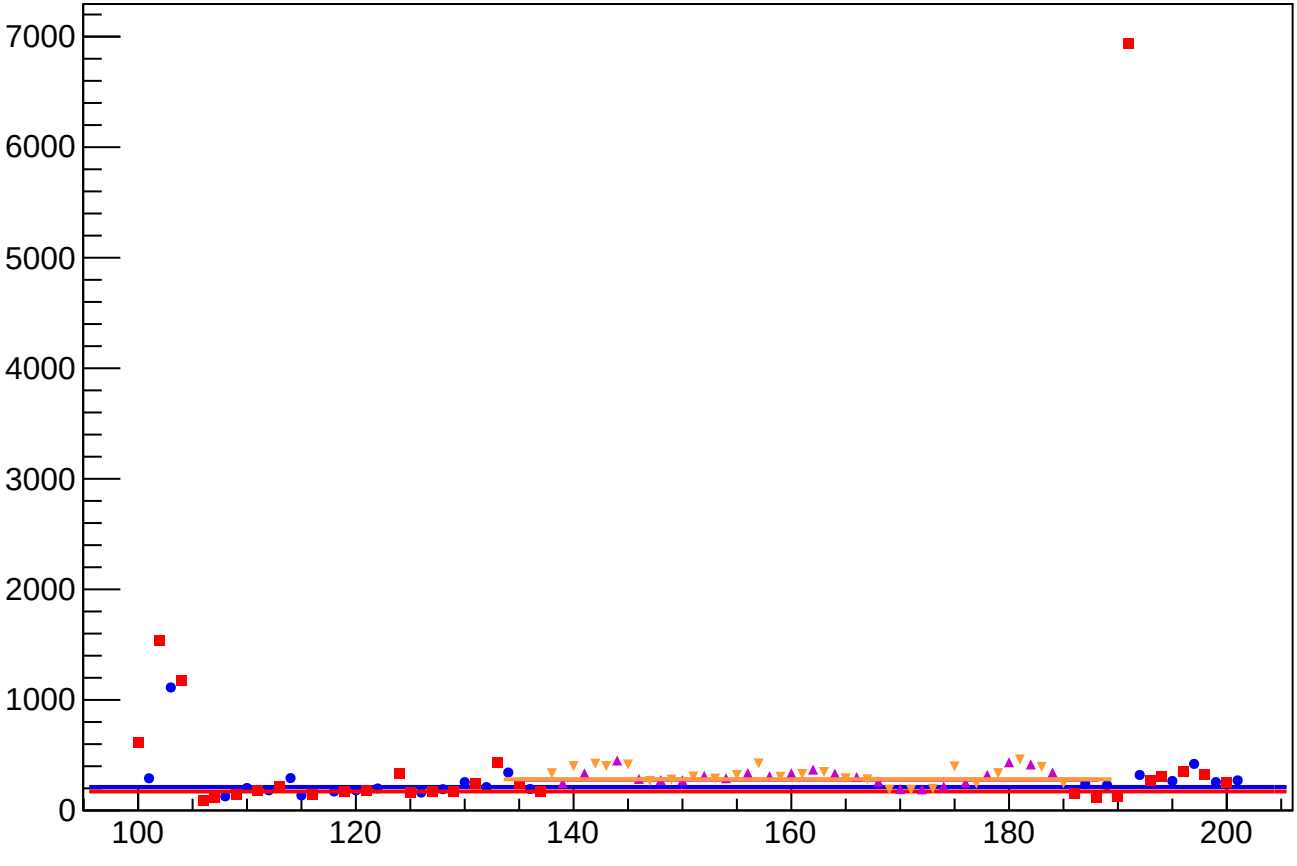
Right: -0.029+/-0.042 χ^2/NDF: 60.9/50

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.036+/-0.032 χ^2/NDF: 119.1/98

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

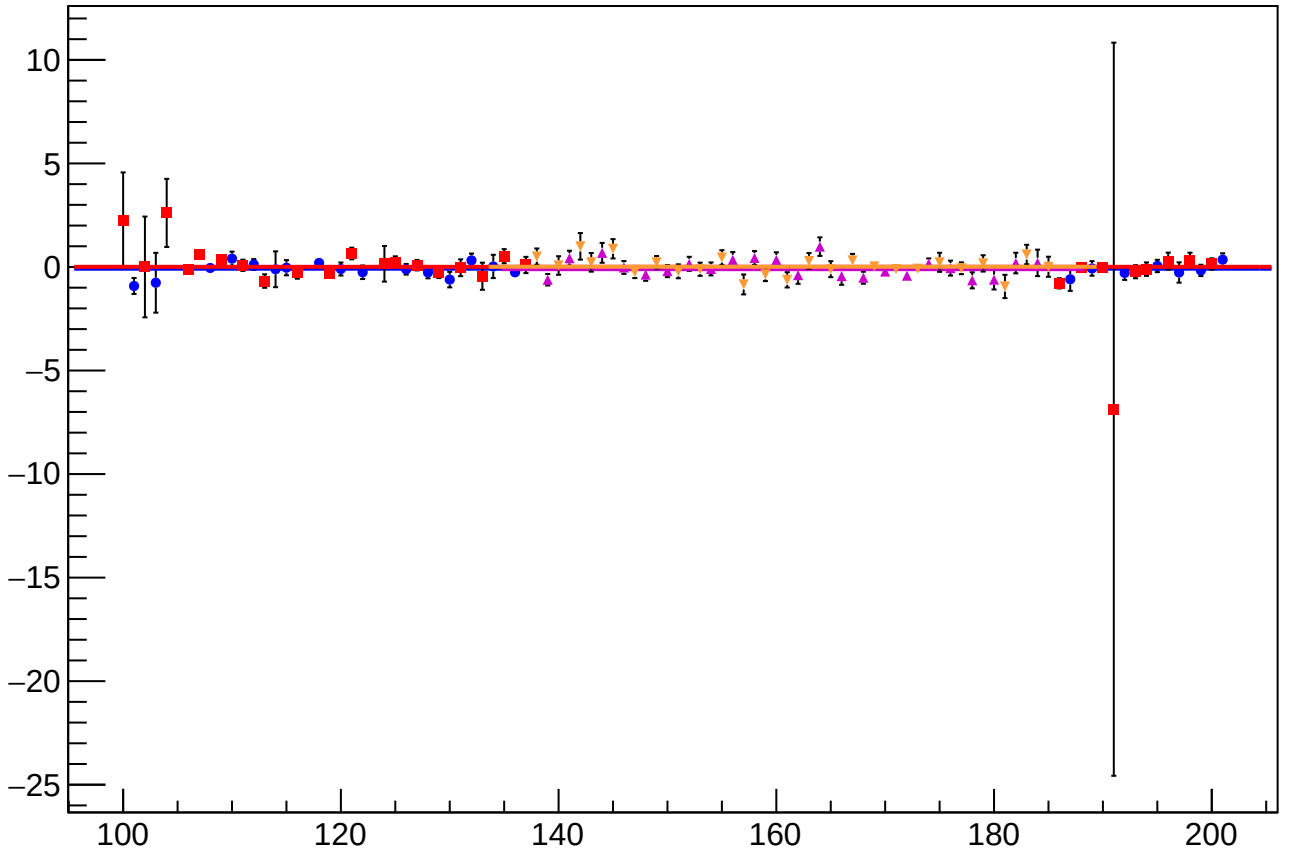
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.353+/-0.030 χ^2/NDF: 7692125.4/50

In: 244.212+/-0.034 χ^2/NDF:5173451.6/45

Out: 214.665+/-0.030 χ^2/NDF:10532126.3/52

All: 227.735+/-0.022 χ^2/NDF: 16135669.0/98



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: 0.008+/-0.054 χ^2/NDF: 42.3/27

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

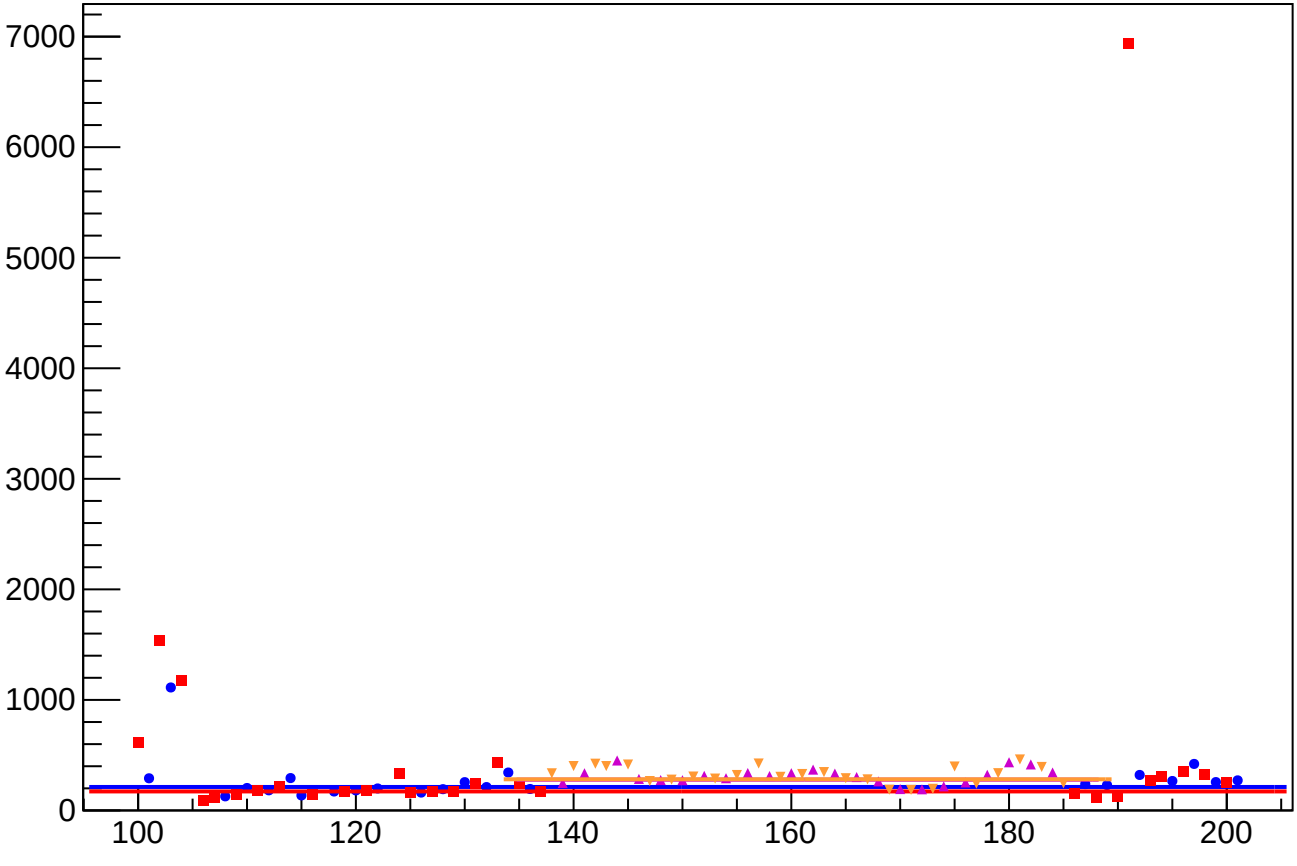
Right: -0.029+/-0.042 χ^2/NDF: 60.9/50

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.036+/-0.032 χ^2/NDF: 119.1/98

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

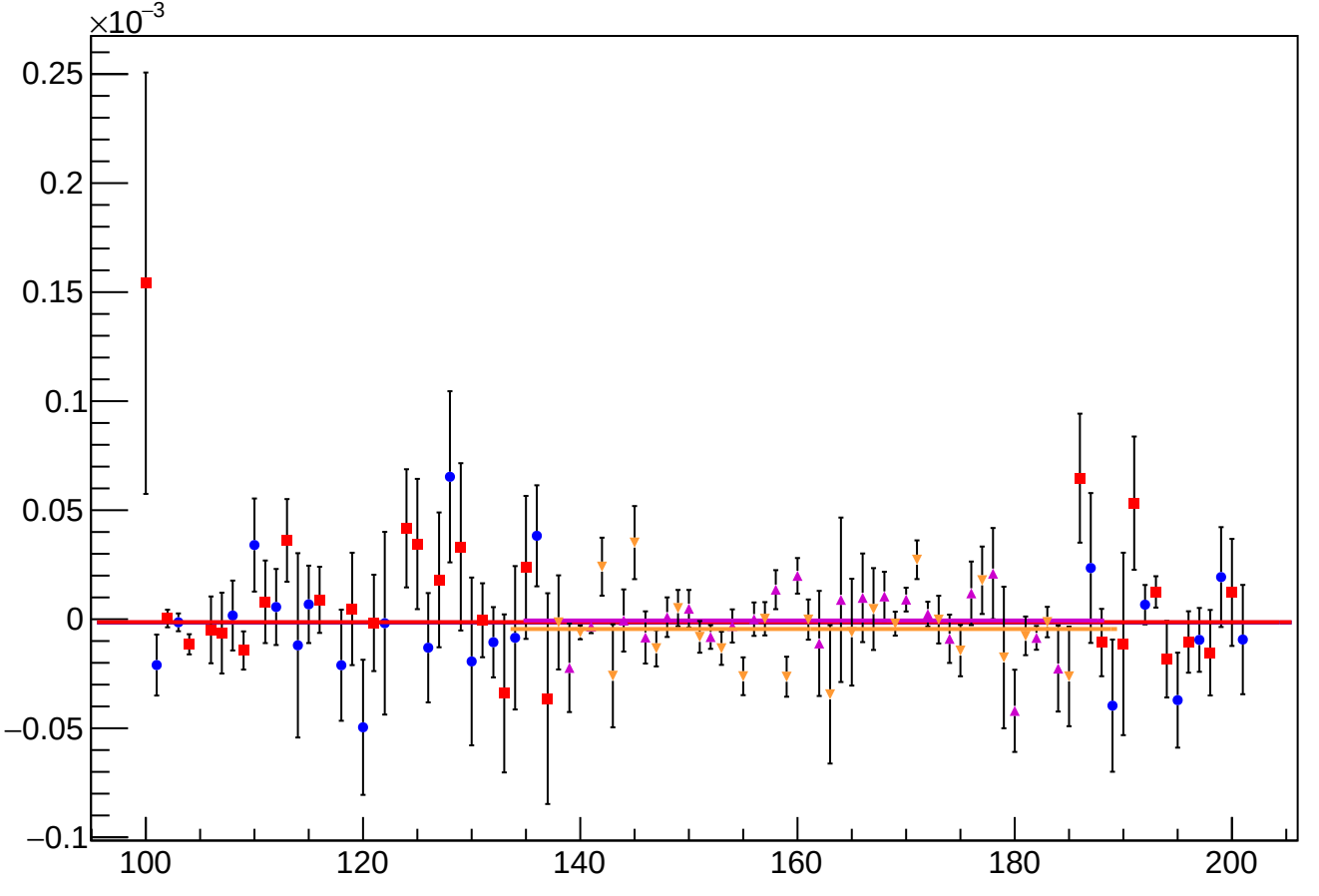
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.353+/-0.030 χ^2/NDF: 7692125.4/50

In: 244.212+/-0.034 χ^2/NDF:5173451.6/45

Out: 214.665+/-0.030 χ^2/NDF:10532126.3/52

All: 227.735+/-0.022 χ^2/NDF: 16135669.0/98



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: 36.2/27

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

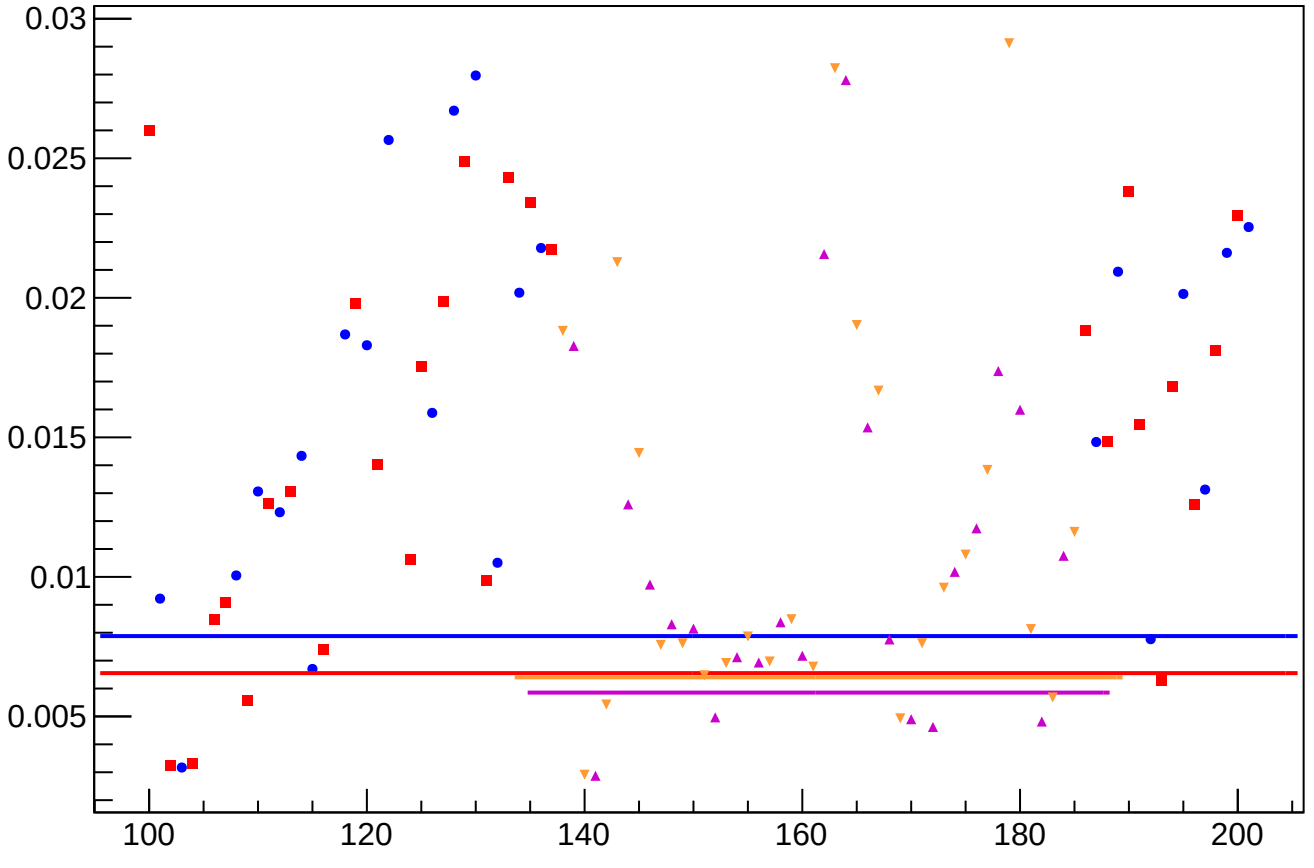
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 57.8/50

In: -0.000+/-0.000 χ^2/NDF:50.8/45

Out: -0.000+/-0.000 χ^2/NDF:83.8/52

All: -0.000+/-0.000 χ^2/NDF: 136.2/98



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: 10209743.6/27

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

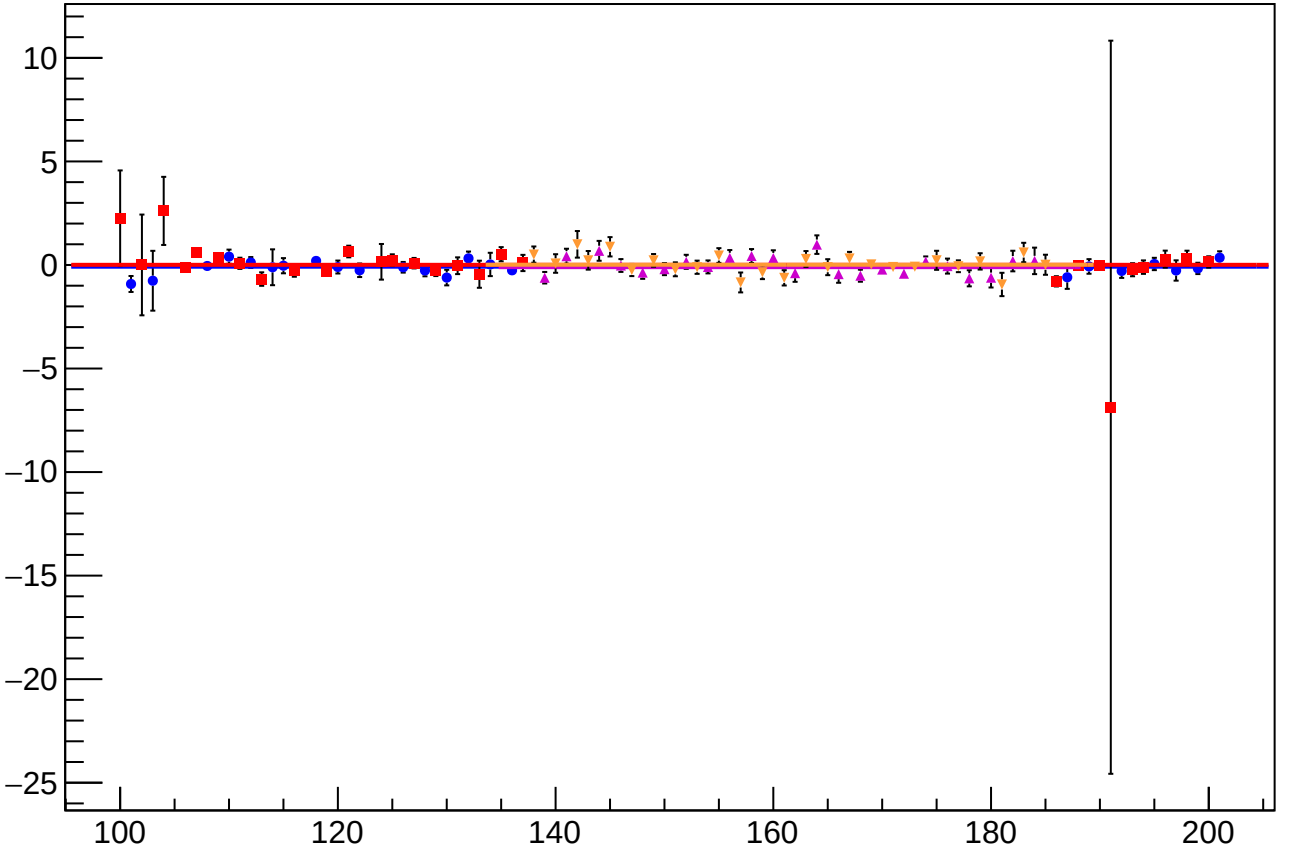
Right: 0.007+/-0.000 χ^2/NDF: 19447593.6/50

In: 0.006+/-0.000 χ^2/NDF:17852882.5/45

Out: 0.006+/-0.000 χ^2/NDF:19179669.4/52

All: 0.006+/-0.000 χ^2/NDF: 37040257.8/98

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.008+/-0.054 χ^2/NDF: 42.3/27

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

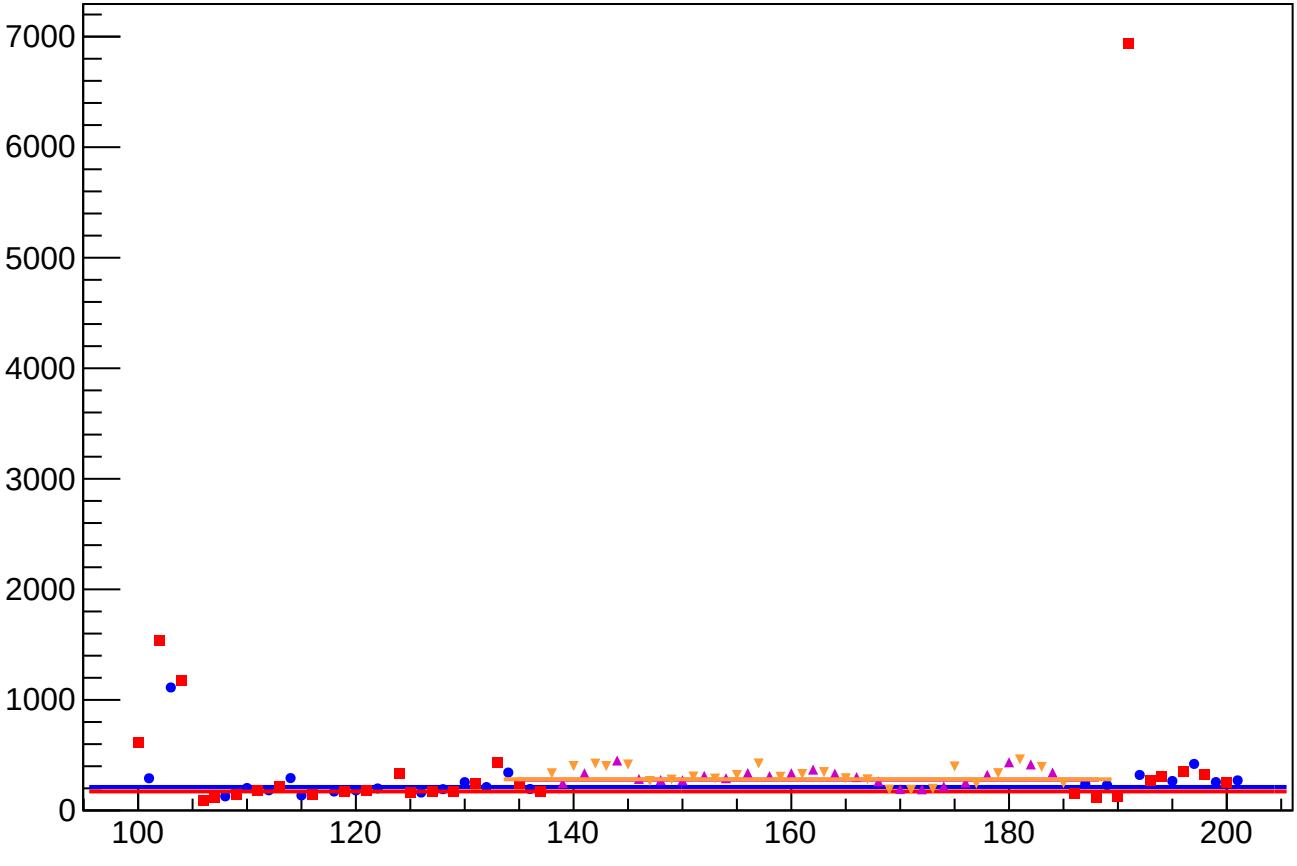
Right: -0.029+/-0.042 χ^2/NDF: 60.9/50

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.036+/-0.032 χ^2/NDF: 119.1/98

asym_atr_avg_eigen_dit_vs_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: 172.114+/-0.038 χ^2/NDF: 4829466.0/27

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

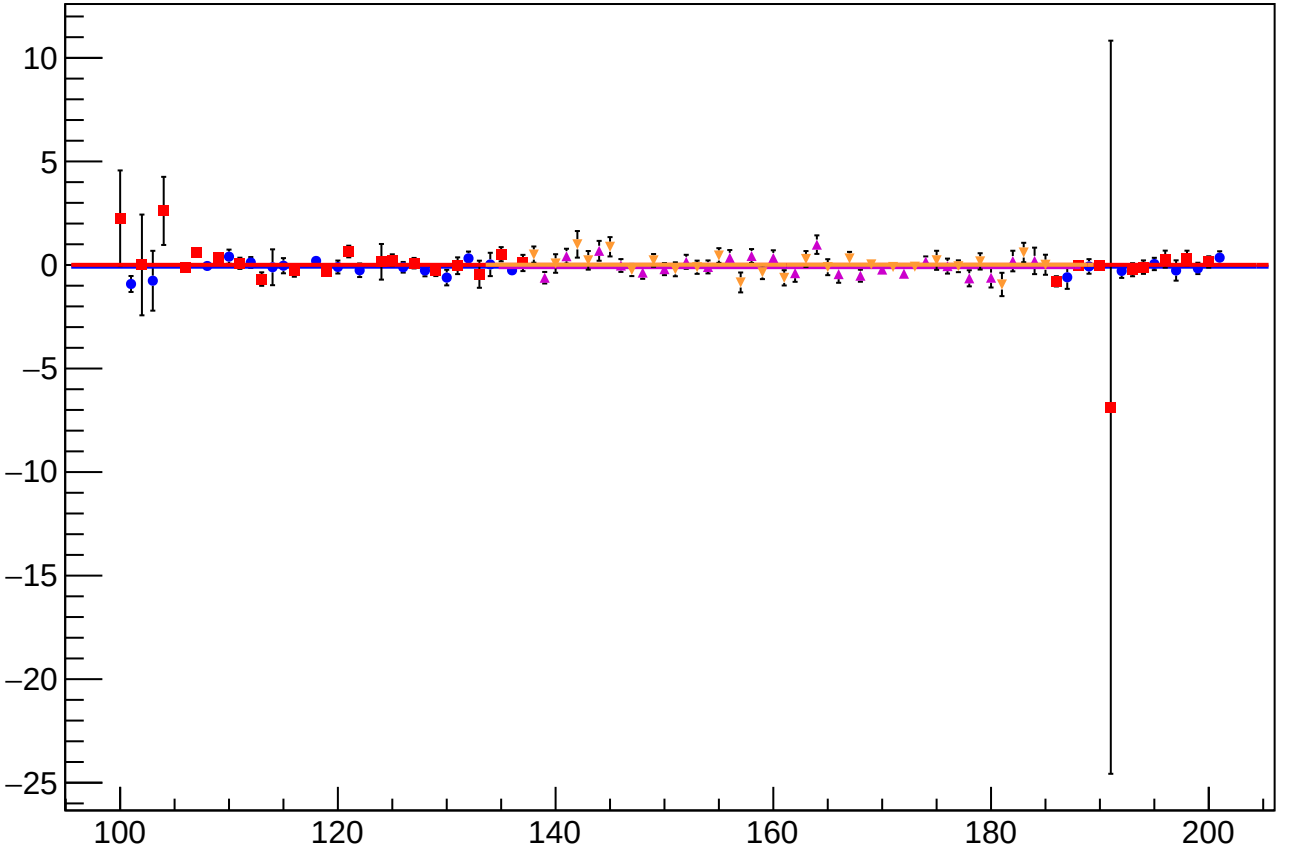
Right: 188.350+/-0.030 χ^2/NDF: 7692321.4/50

In: 244.213+/-0.034 χ^2/NDF:5173563.4/45

Out: 214.662+/-0.030 χ^2/NDF:10532651.3/52

All: 227.734+/-0.022 χ^2/NDF: 16136389.5/98

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.008+/-0.054 χ^2/NDF: 42.3/27

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

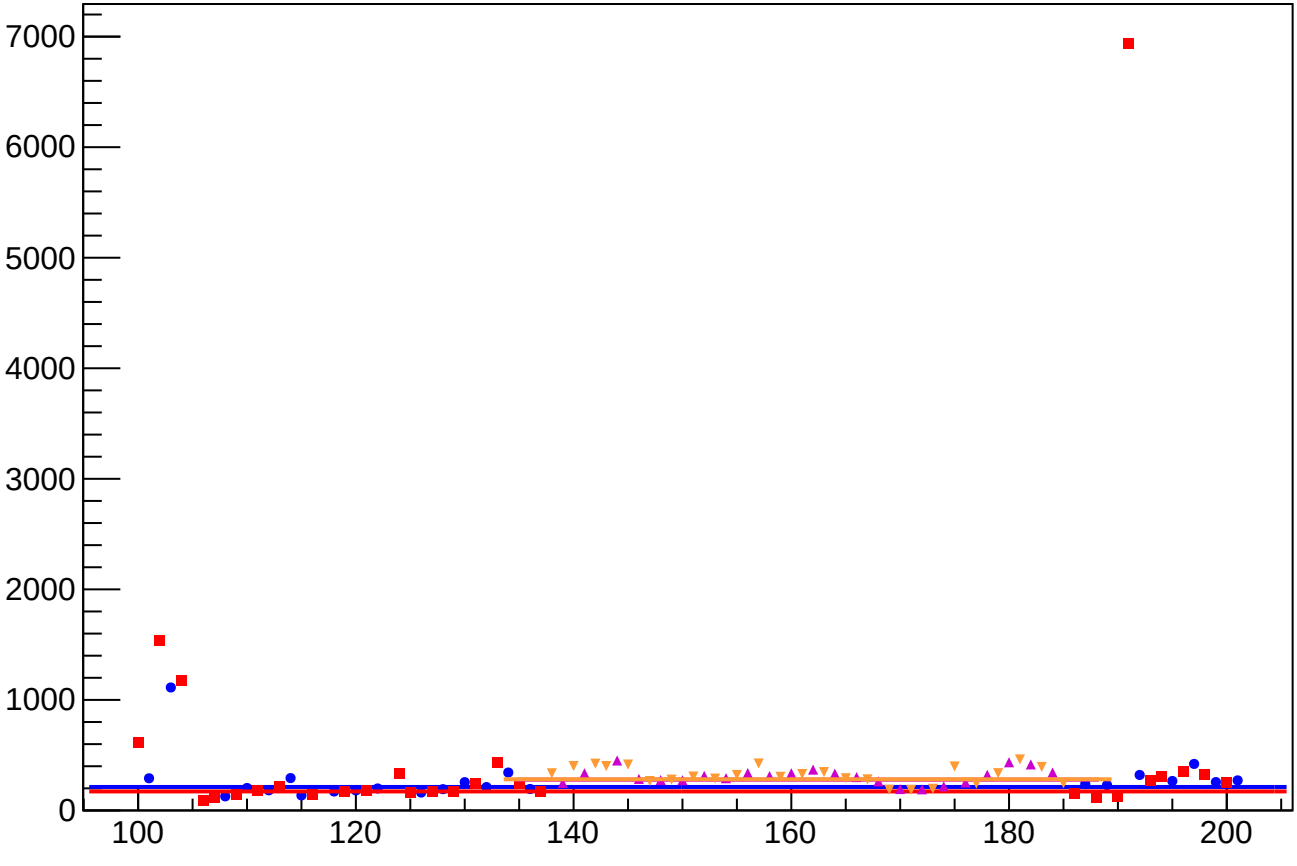
Right: -0.029+/-0.042 χ^2/NDF: 60.9/50

In: -0.094+/-0.048 χ^2/NDF:49.0/45

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.036+/-0.032 χ^2/NDF: 119.1/98

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: 172.114+/-0.038 χ^2/NDF: 4829466.0/27

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

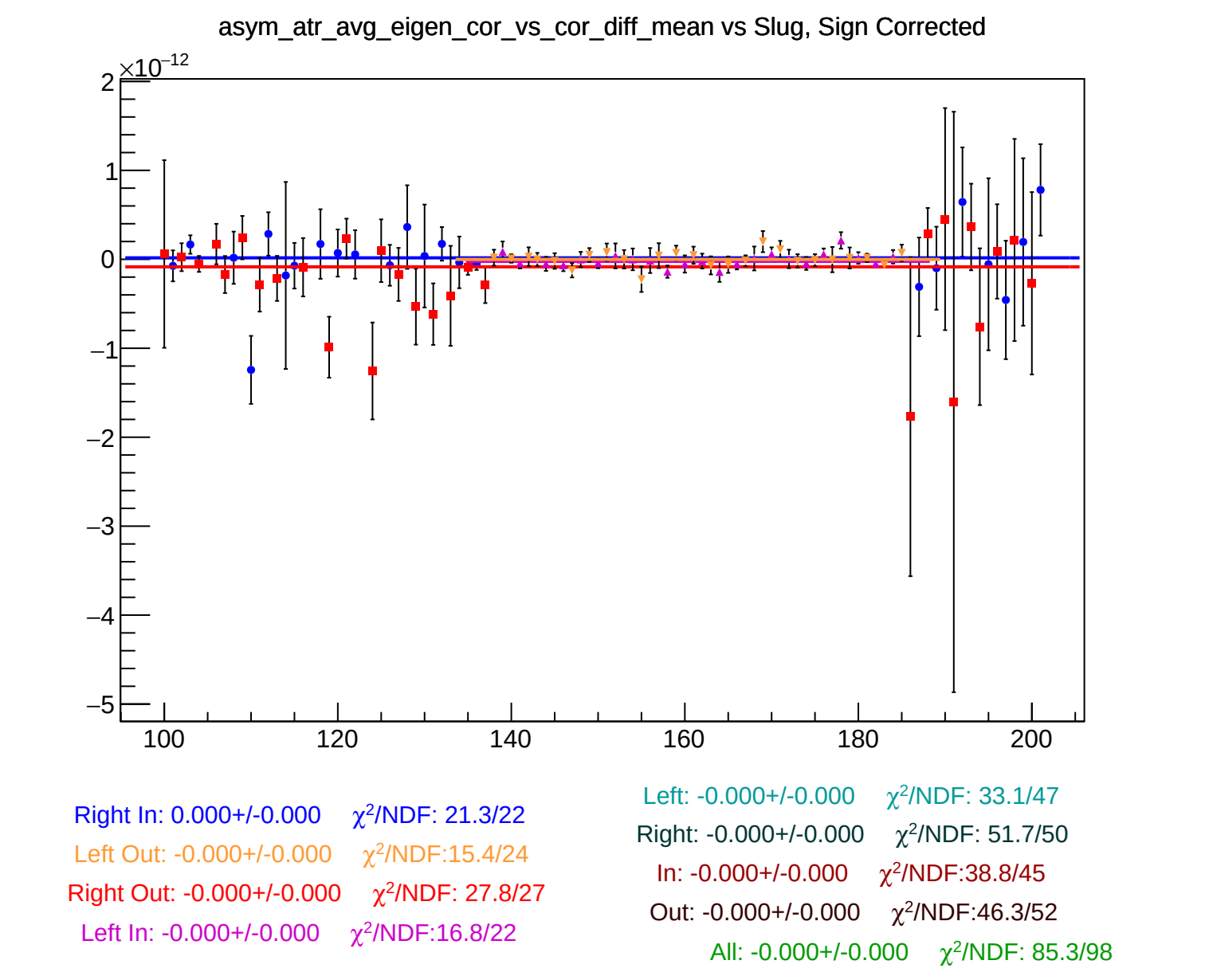
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

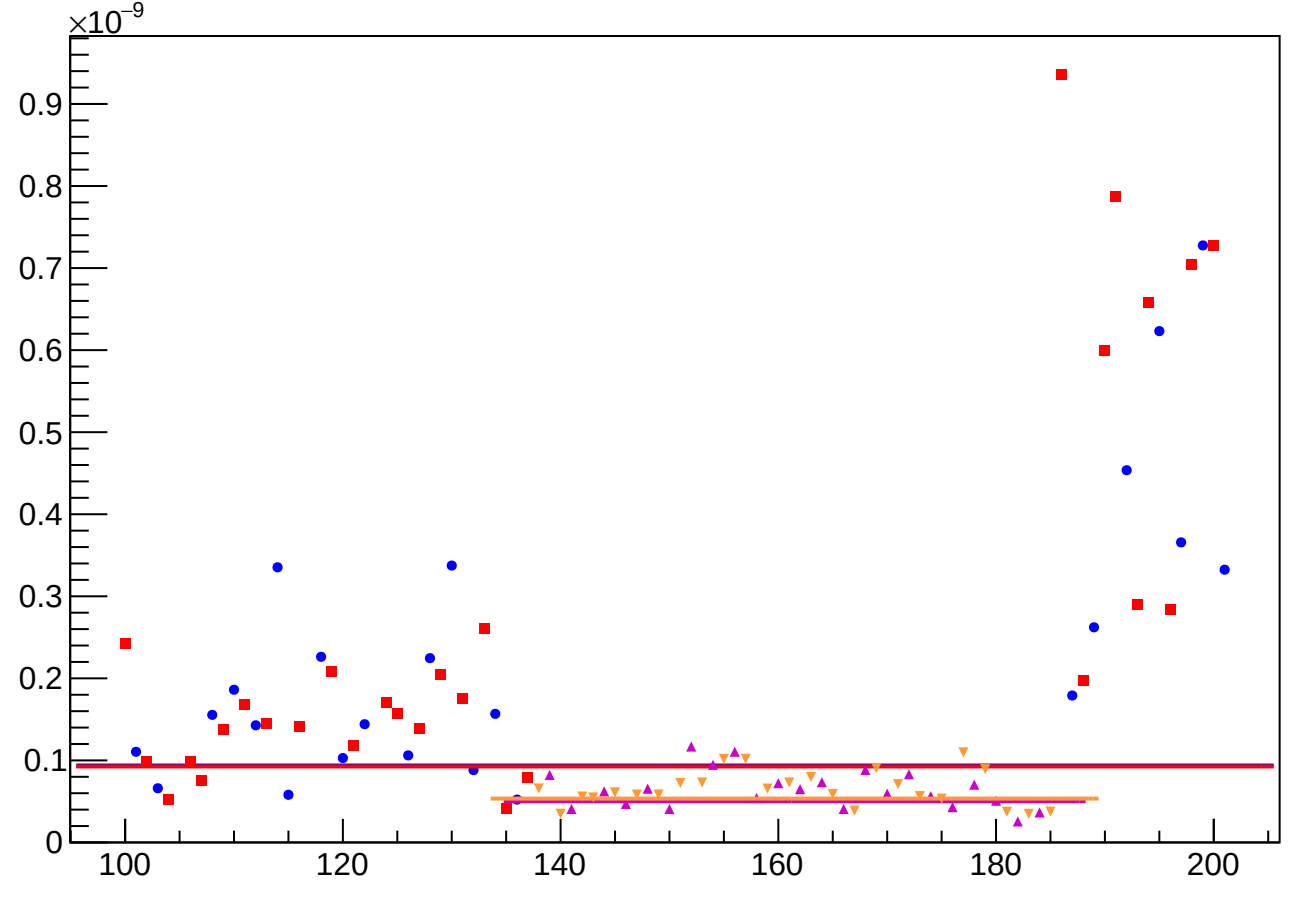
Right: 188.350+/-0.030 χ^2/NDF: 7692321.4/50

In: 244.213+/-0.034 χ^2/NDF:5173563.4/45

Out: 214.662+/-0.030 χ^2/NDF:10532651.3/52

All: 227.734+/-0.022 χ^2/NDF: 16136389.5/98


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.3/22
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/27
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 51.7/50
In: -0.000+/-0.000 χ²/NDF:38.8/45
Out: -0.000+/-0.000 χ²/NDF:46.3/52
All: -0.000+/-0.000 χ²/NDF: 85.3/98



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: 6258435.7/27

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

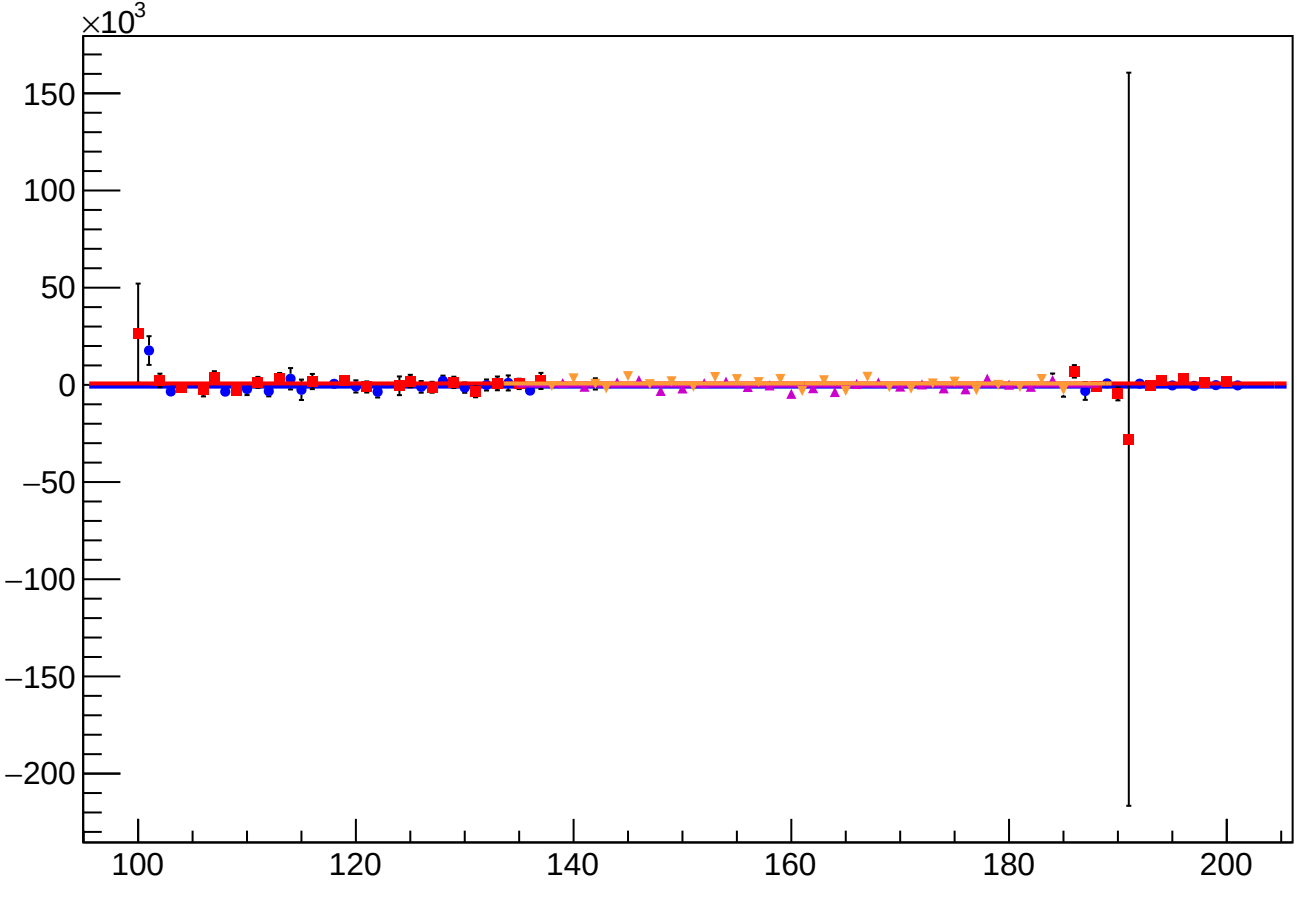
Right: 0.000+/-0.000 χ^2/NDF: 11731320.7/50

In: 0.000+/-0.000 χ^2/NDF:10534883.1/45

Out: 0.000+/-0.000 χ^2/NDF:10461666.6/52

All: 0.000+/-0.000 χ^2/NDF: 21041186.1/98

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: 725.423+/-531.679 χ^2/NDF: 19.9/27

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

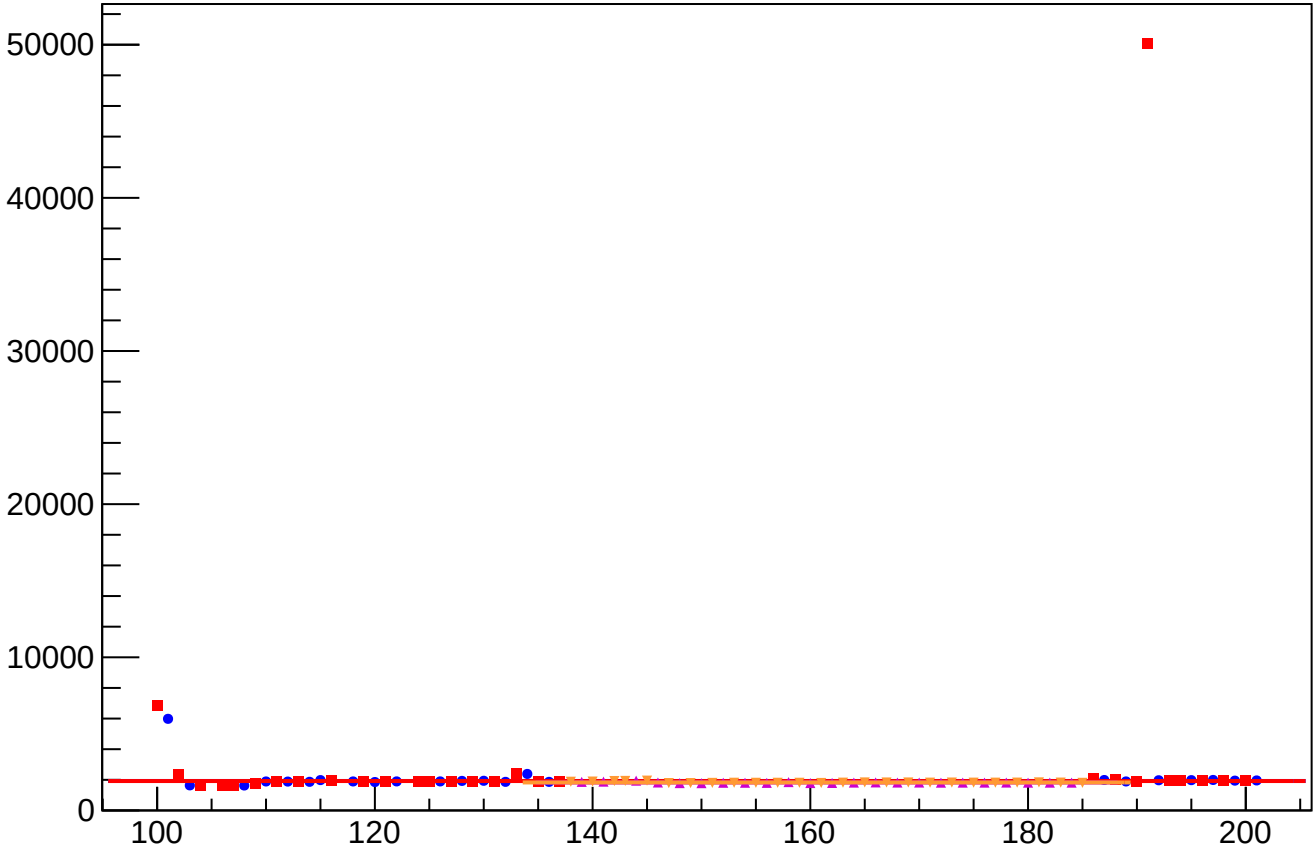
Right: -52.043+/-384.109 χ^2/NDF: 40.0/50

In: -587.549+/-338.156 χ^2/NDF:36.9/45

Out: 713.202+/-327.329 χ^2/NDF:51.8/52

All: 83.982+/-235.191 χ^2/NDF: 96.4/98

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: 1920.555+/-0.375 χ^2/NDF: 374063.4/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

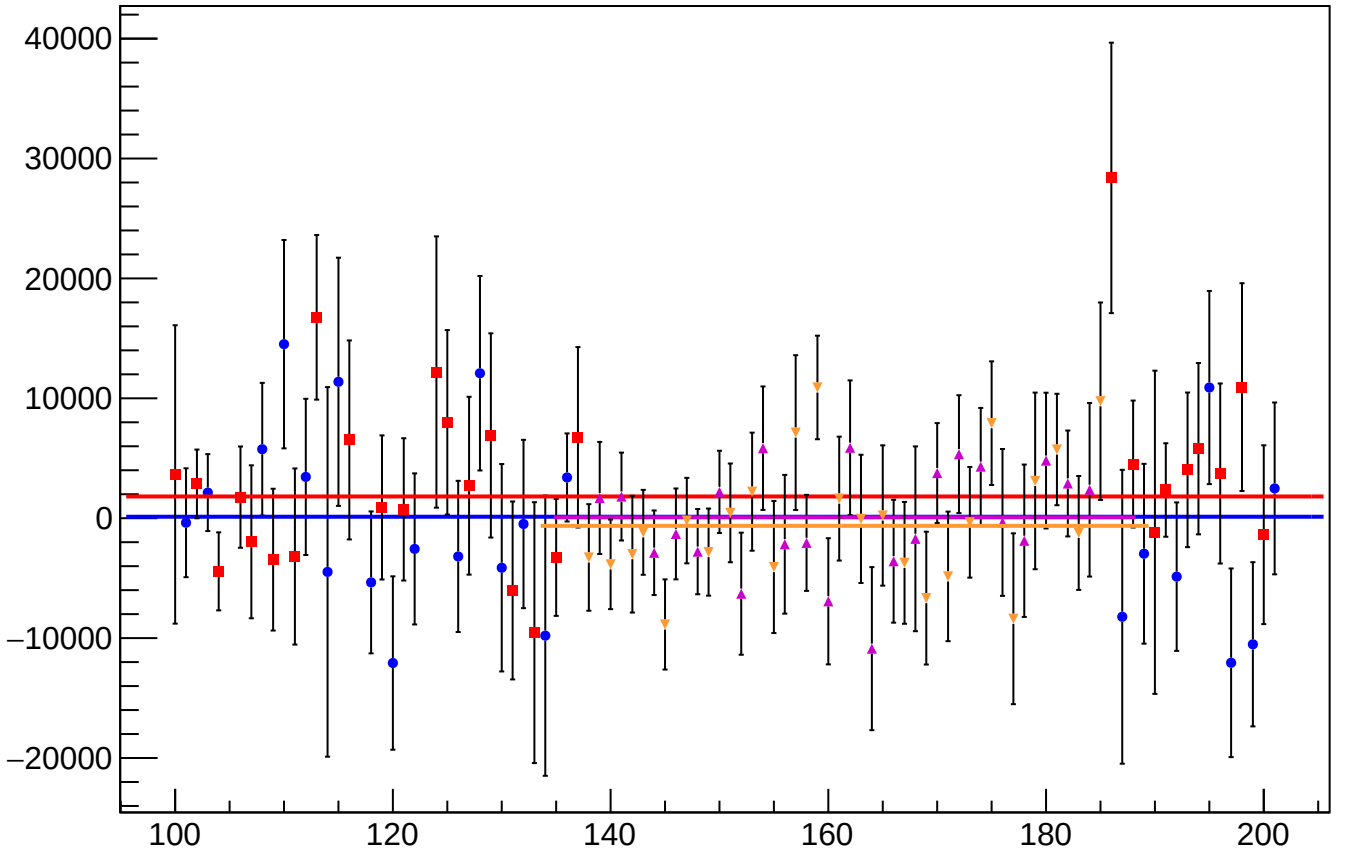
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1922.515+/-0.271 χ^2/NDF: 1079974.9/50

In: 1862.031+/-0.239 χ^2/NDF:759599.7/45

Out: 1863.316+/-0.231 χ^2/NDF:430921.7/52

All: 1862.695+/-0.166 χ^2/NDF: 1190536.3/98



Right In: 122.853+/-1313.190 χ^2/NDF: 21.8/22

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1813.643+/-1123.176 χ^2/NDF: 23.8/27

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

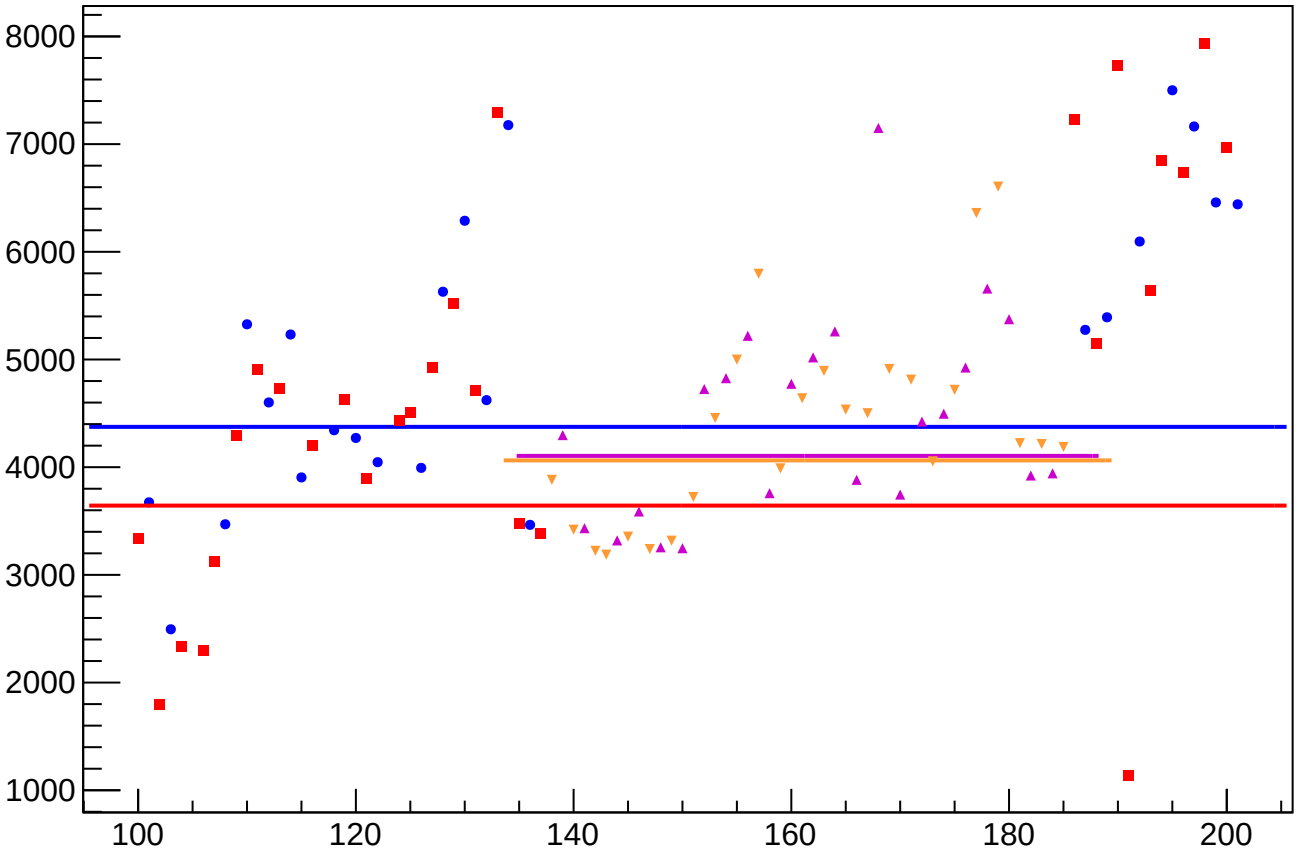
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1099.317+/-853.554 χ^2/NDF: 46.6/50

In: 92.614+/-785.527 χ^2/NDF:37.3/45

Out: 380.687+/-723.940 χ^2/NDF:52.6/52

All: 248.384+/-532.346 χ^2/NDF: 89.9/98



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: 3643.371+/-0.794 χ^2/NDF: 5226898.8/27

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

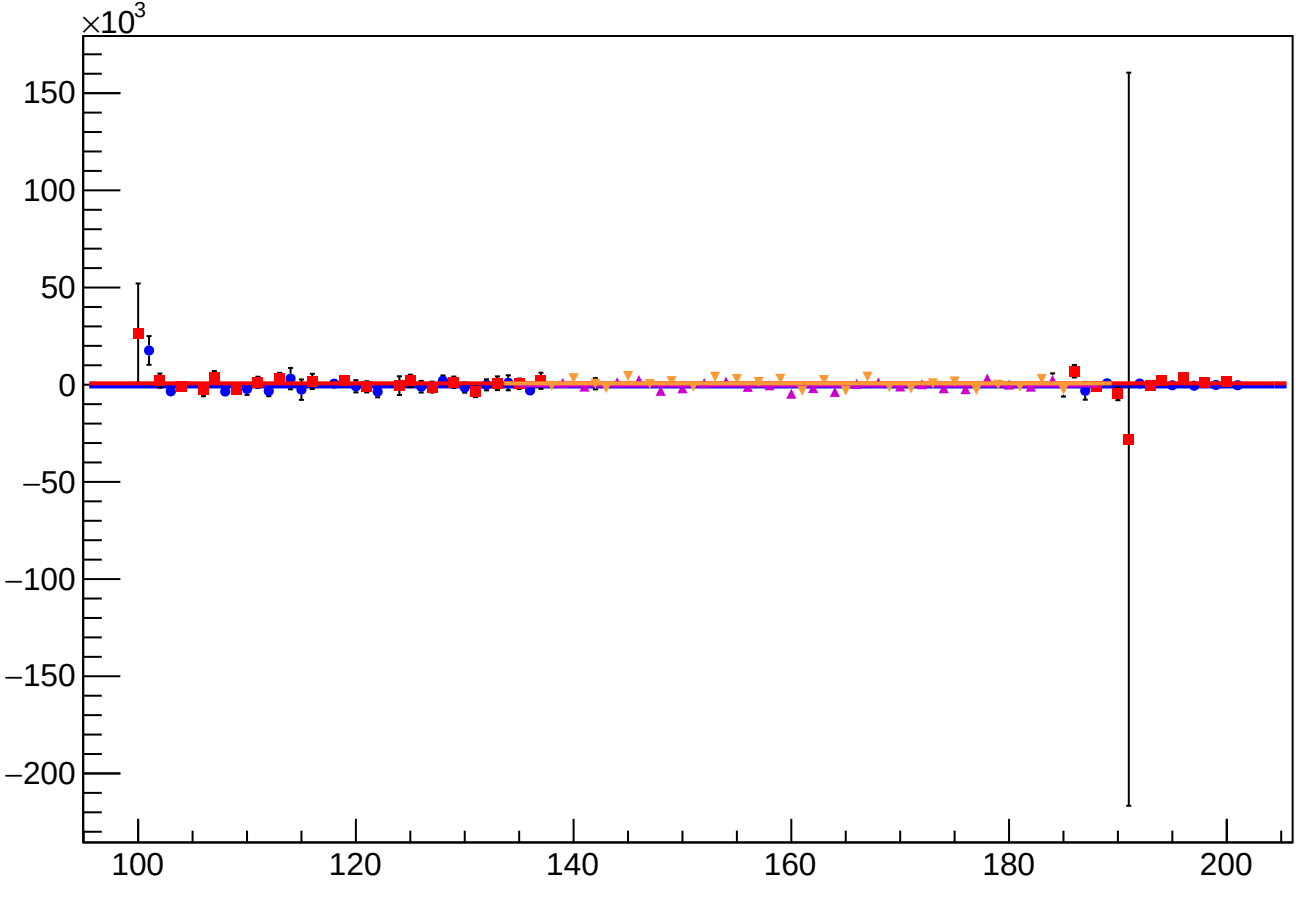
Right: 3952.245+/-0.604 χ^2/NDF: 7914782.2/50

In: 4201.458+/-0.555 χ^2/NDF:3743427.7/45

Out: 3888.732+/-0.512 χ^2/NDF:6795209.3/52

All: 4032.357+/-0.376 χ^2/NDF: 10710040.4/9

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: 720.016+/-532.089 χ^2/NDF: 19.9/27

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

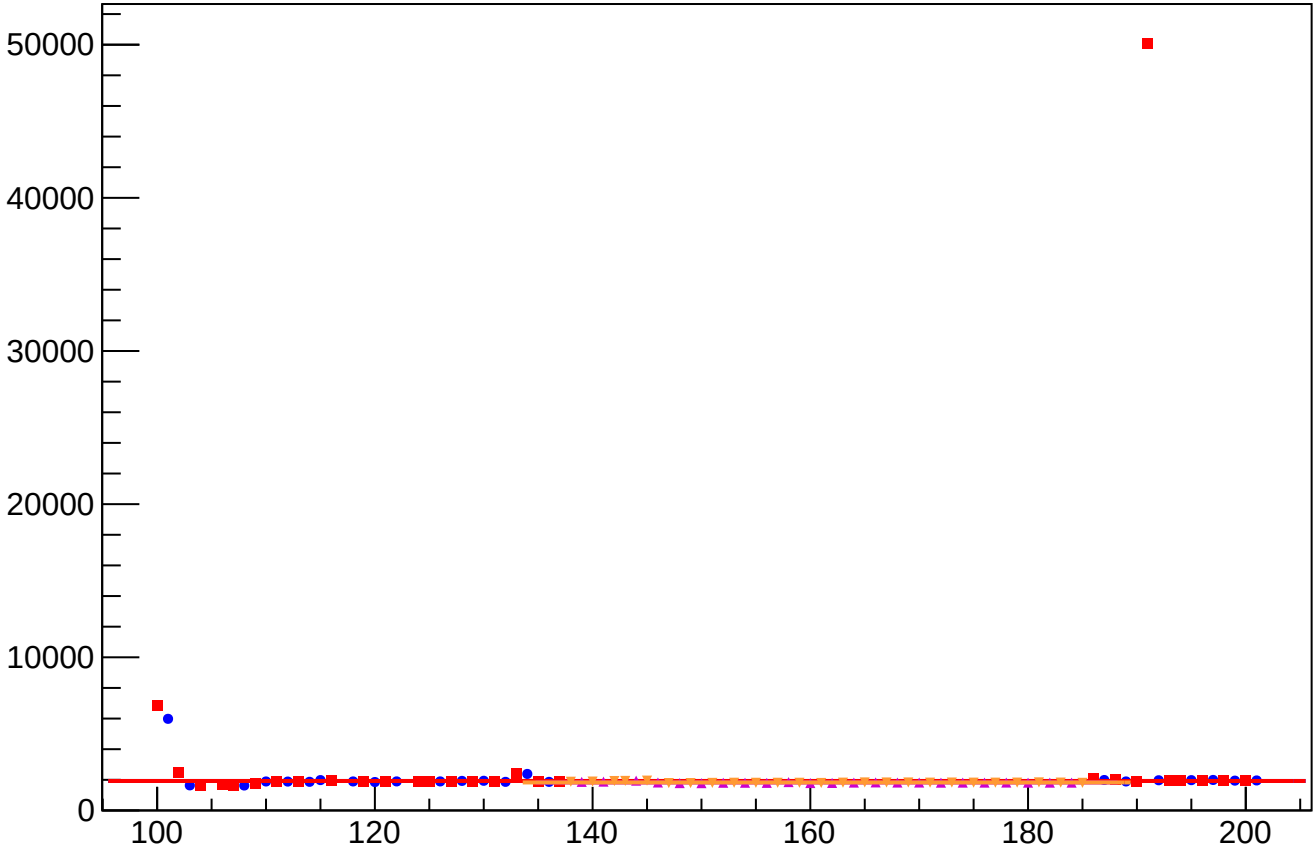
Right: -55.607+/-384.264 χ^2/NDF: 39.9/50

In: -587.538+/-338.156 χ^2/NDF:36.9/45

Out: 711.184+/-327.425 χ^2/NDF:51.8/52

All: 82.756+/-235.227 χ^2/NDF: 96.3/98

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: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

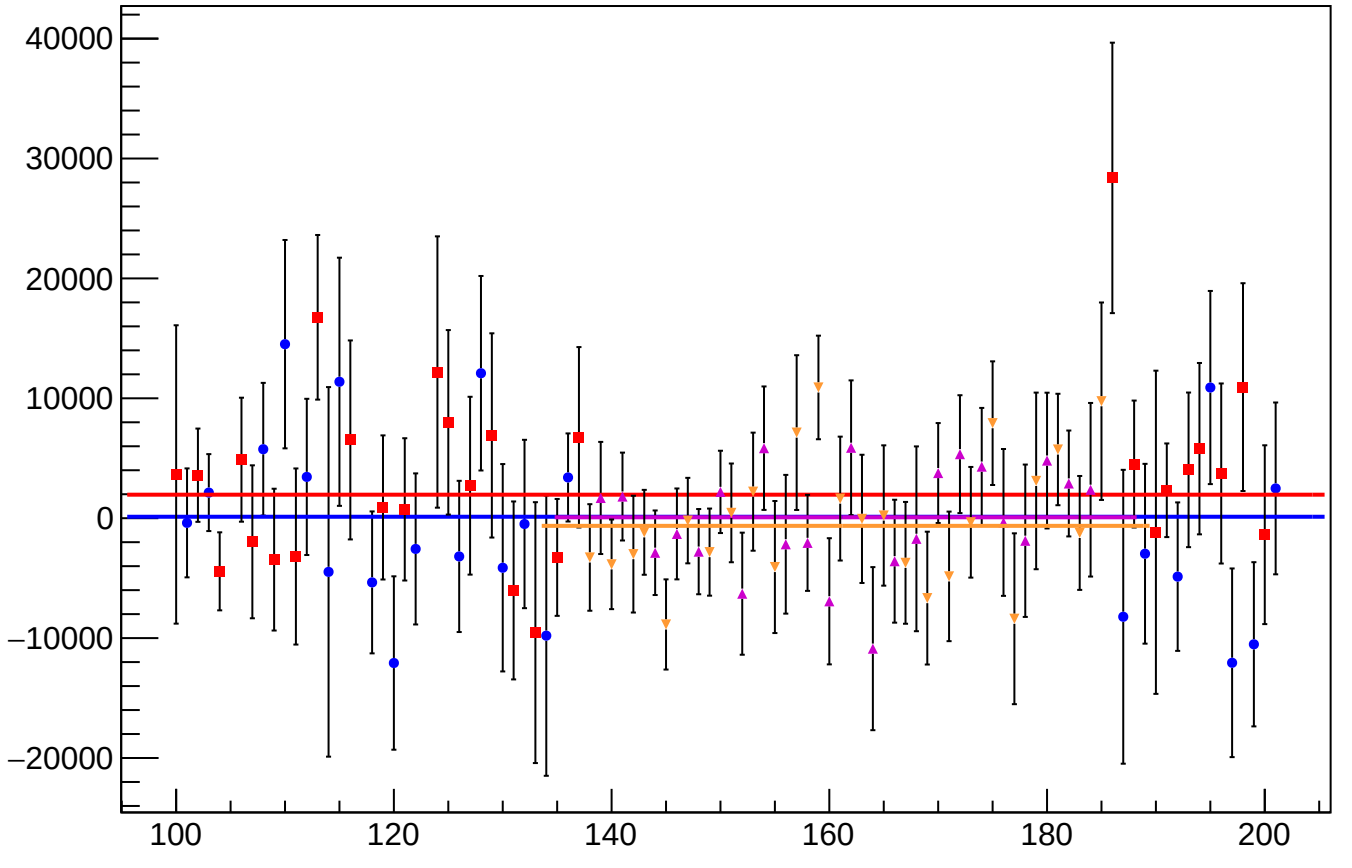
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1924.626+/-0.272 χ^2/NDF: 1086303.1/50

In: 1862.031+/-0.239 χ^2/NDF:759599.8/45

Out: 1864.768+/-0.231 χ^2/NDF:440569.6/52

All: 1863.444+/-0.166 χ^2/NDF: 1200237.0/98



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: 1961.600+/-1179.966 χ^2/NDF: 24.2/27

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

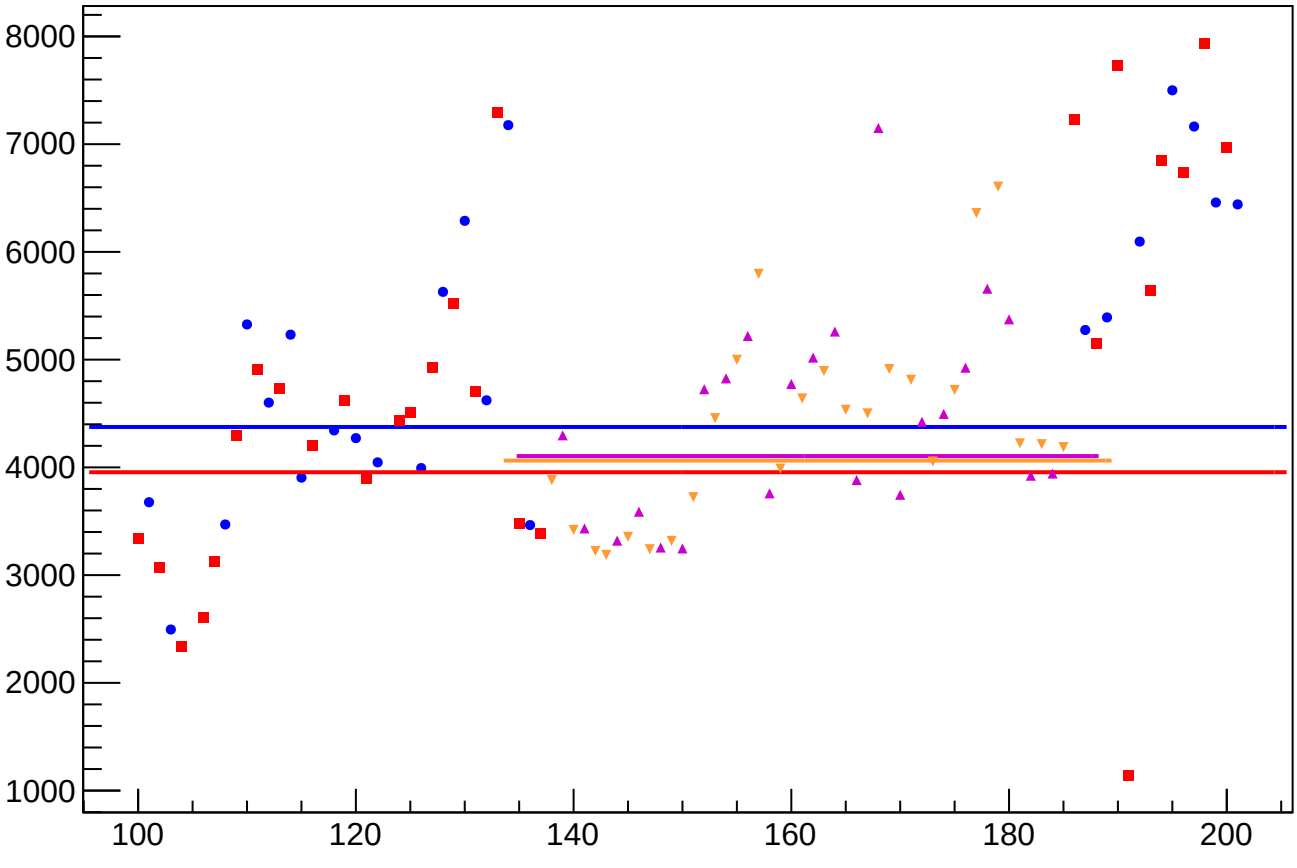
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1139.783+/-877.731 χ^2/NDF: 47.1/50

In: 92.225+/-785.552 χ^2/NDF:37.3/45

Out: 380.437+/-738.494 χ^2/NDF:53.1/52

All: 245.222+/-538.062 χ^2/NDF: 90.5/98



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: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

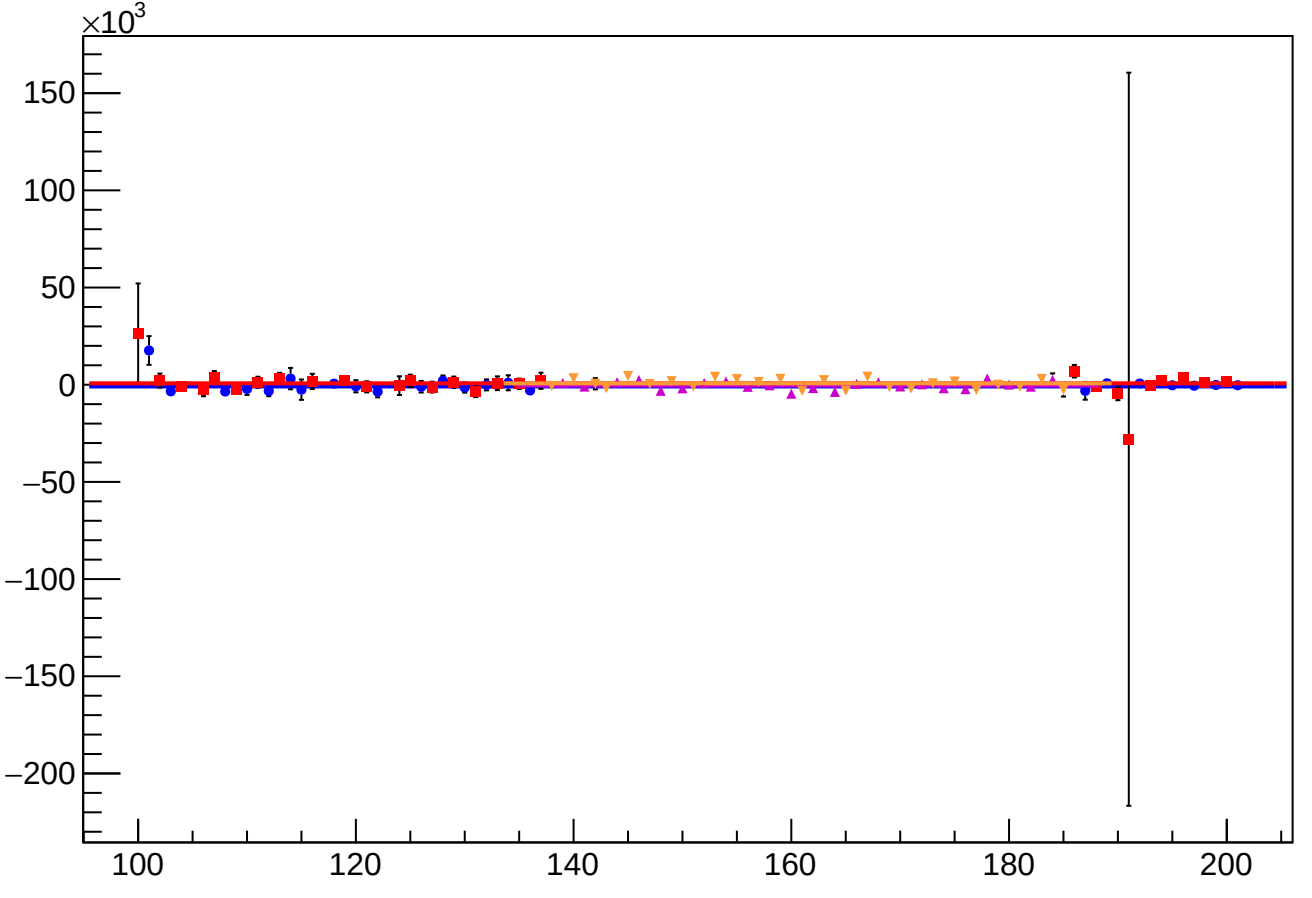
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4142.620+/-0.621 χ^2/NDF: 6617061.4/50

In: 4201.626+/-0.555 χ^2/NDF:3742591.8/45

Out: 4020.779+/-0.522 χ^2/NDF:5590319.5/52

All: 4105.624+/-0.380 χ^2/NDF: 9389180.4/98



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: 720.016+/-532.089 χ^2/NDF: 19.9/27

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

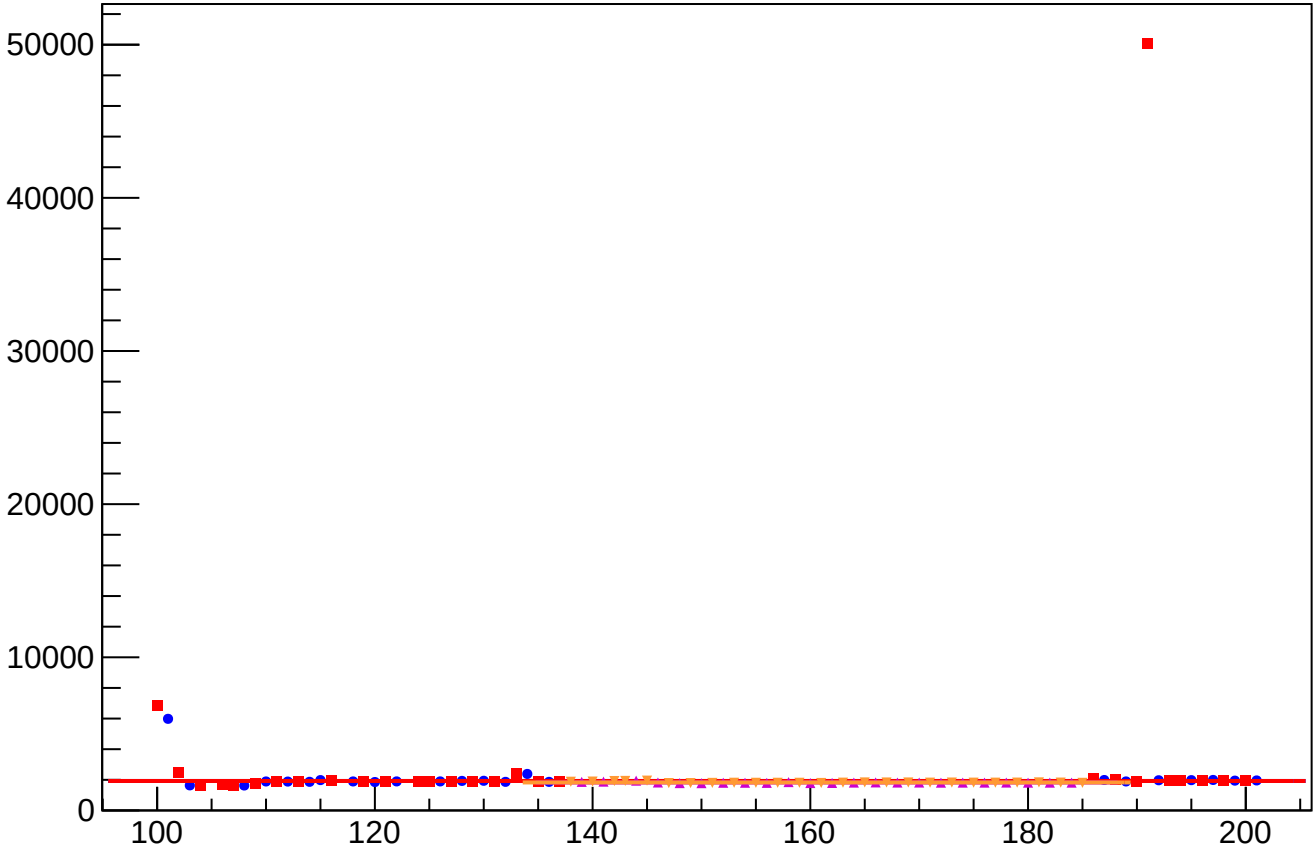
Right: -55.607+/-384.264 χ^2/NDF: 39.9/50

In: -587.538+/-338.156 χ^2/NDF:36.9/45

Out: 711.184+/-327.425 χ^2/NDF:51.8/52

All: 82.756+/-235.227 χ^2/NDF: 96.3/98

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: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

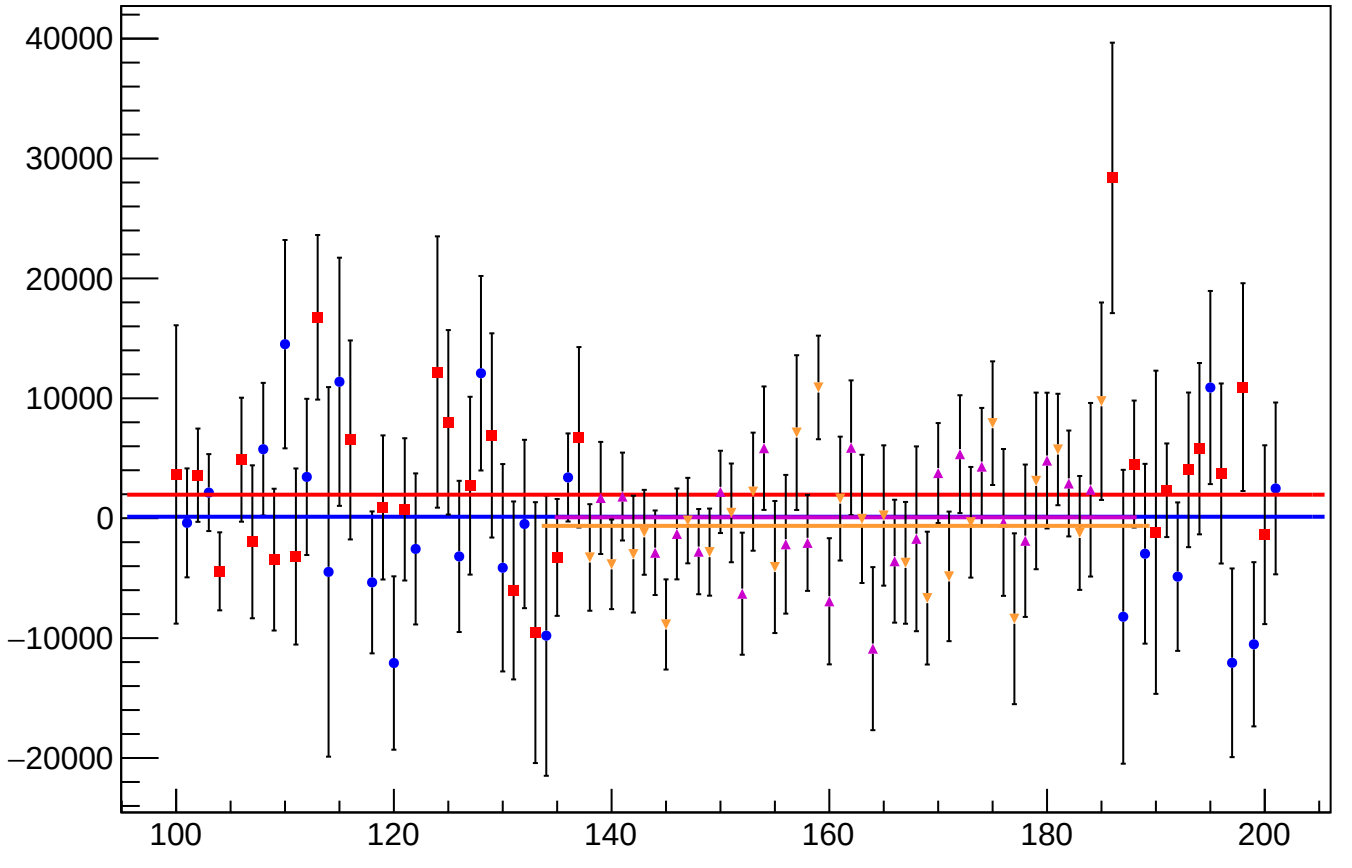
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1924.626+/-0.272 χ^2/NDF: 1086303.1/50

In: 1862.031+/-0.239 χ^2/NDF:759599.8/45

Out: 1864.768+/-0.231 χ^2/NDF:440569.6/52

All: 1863.444+/-0.166 χ^2/NDF: 1200237.0/98



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: 1961.600+/-1179.966 χ^2/NDF: 24.2/27

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

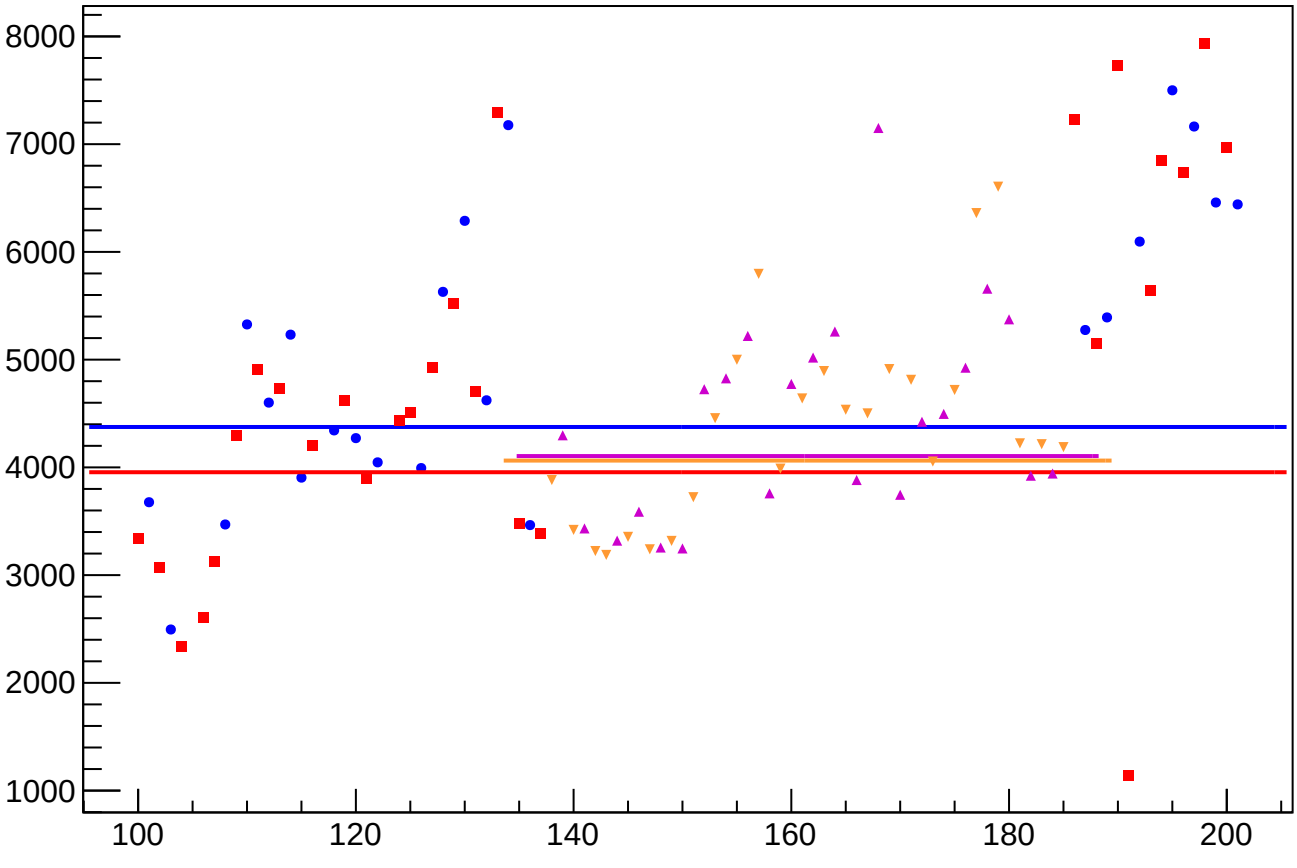
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1139.783+/-877.731 χ^2/NDF: 47.1/50

In: 92.225+/-785.552 χ^2/NDF:37.3/45

Out: 380.437+/-738.494 χ^2/NDF:53.1/52

All: 245.222+/-538.062 χ^2/NDF: 90.5/98



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: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

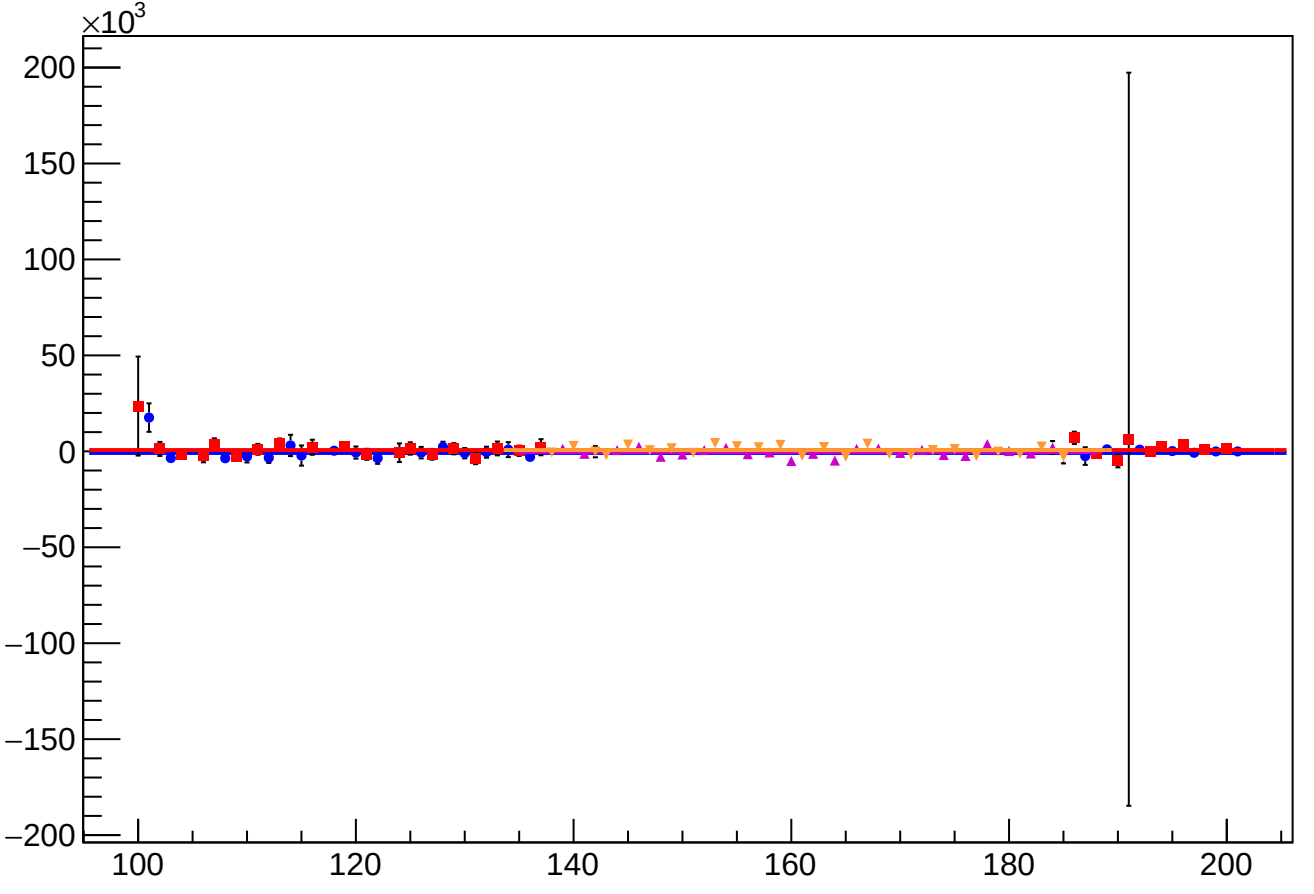
Right: 4142.620+/-0.621 χ^2/NDF: 6617061.4/50

In: 4201.626+/-0.555 χ^2/NDF:3742591.8/45

Out: 4020.779+/-0.522 χ^2/NDF:5590319.5/52

All: 4105.624+/-0.380 χ^2/NDF: 9389180.4/98

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: 657.609+/-537.306 χ^2/NDF: 21.3/27

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

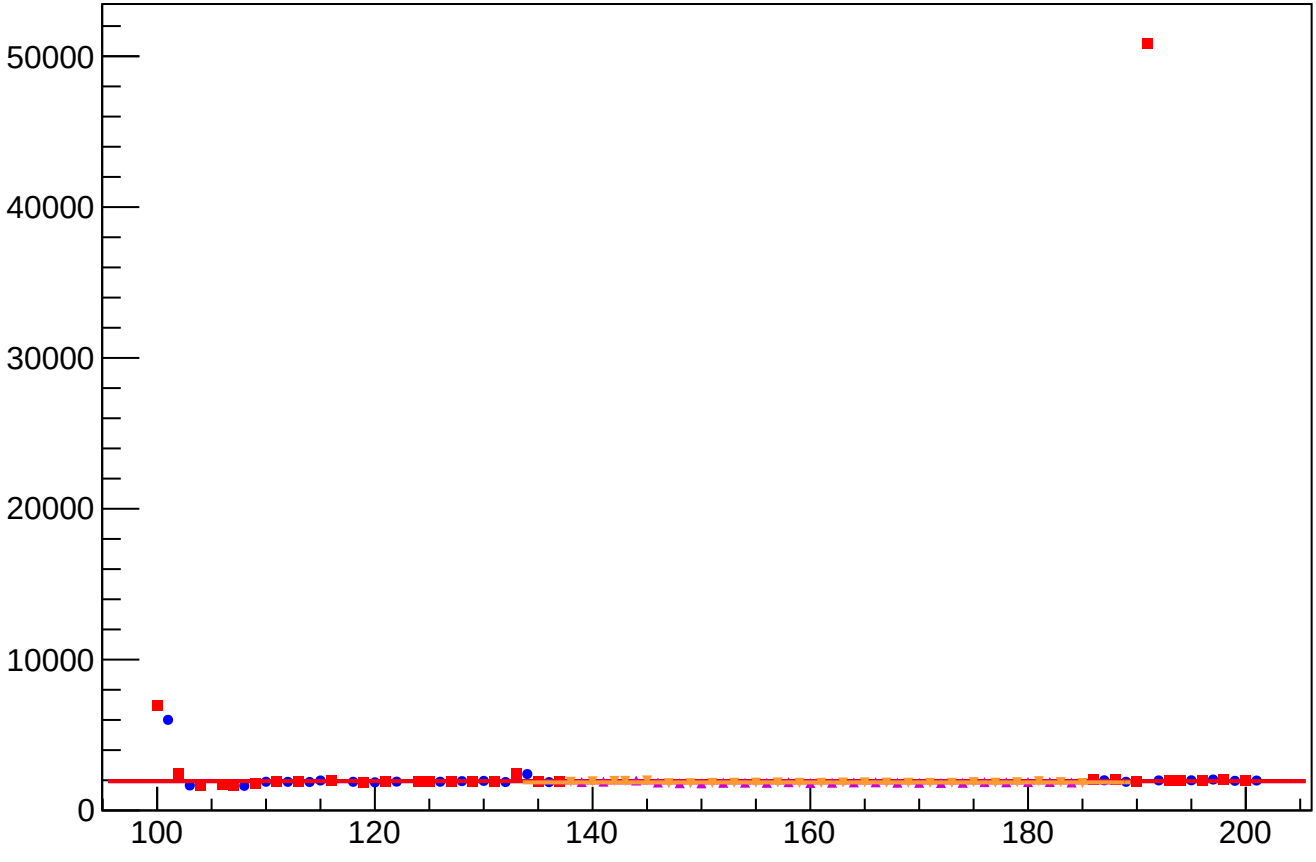
Right: -57.599+/-387.925 χ^2/NDF: 41.1/50

In: -570.218+/-343.120 χ^2/NDF:40.1/45

Out: 657.613+/-332.393 χ^2/NDF:48.4/52

All: 63.189+/-238.740 χ^2/NDF: 95.1/98

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: 1943.102+/-0.380 χ^2/NDF: 388881.2/27

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

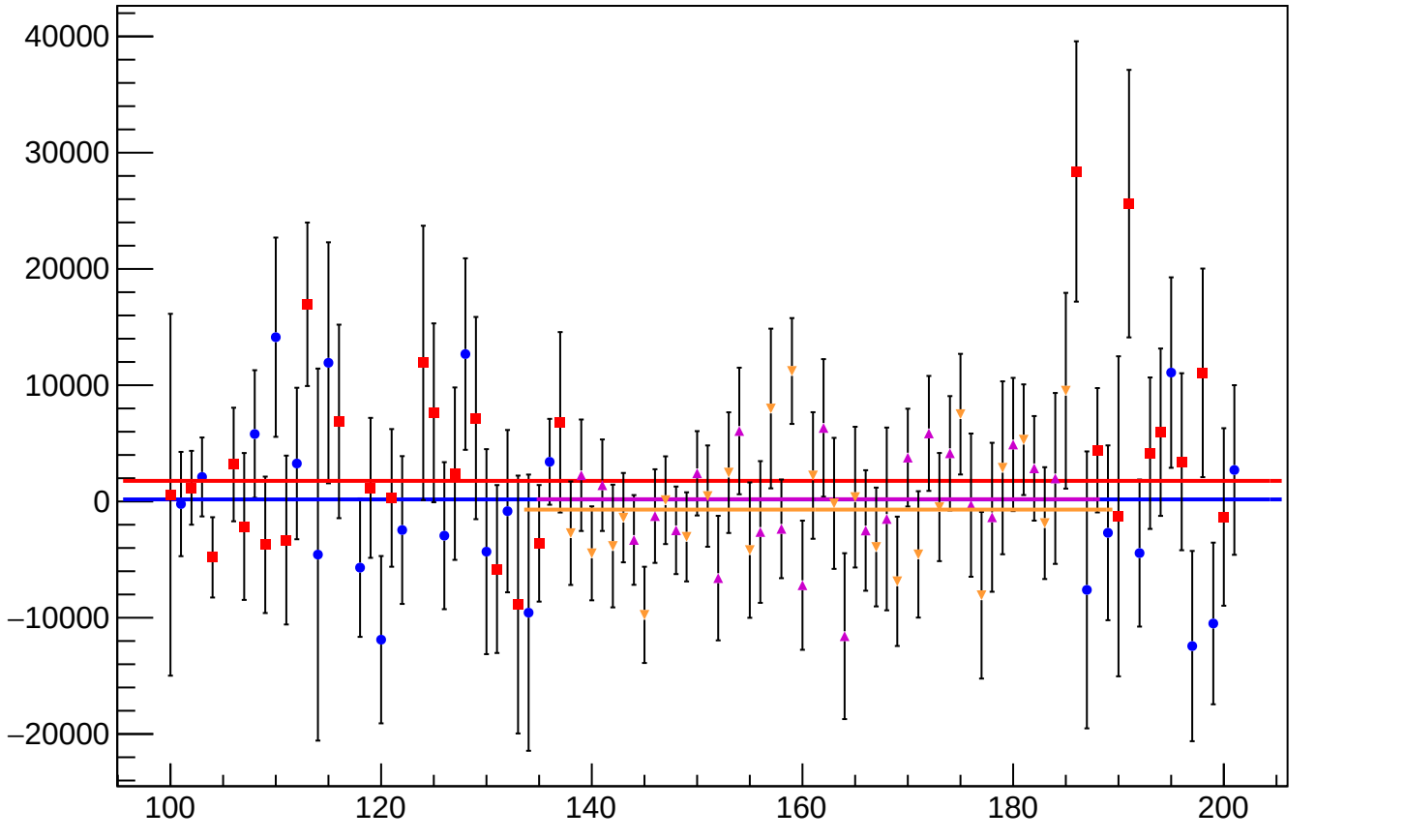
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

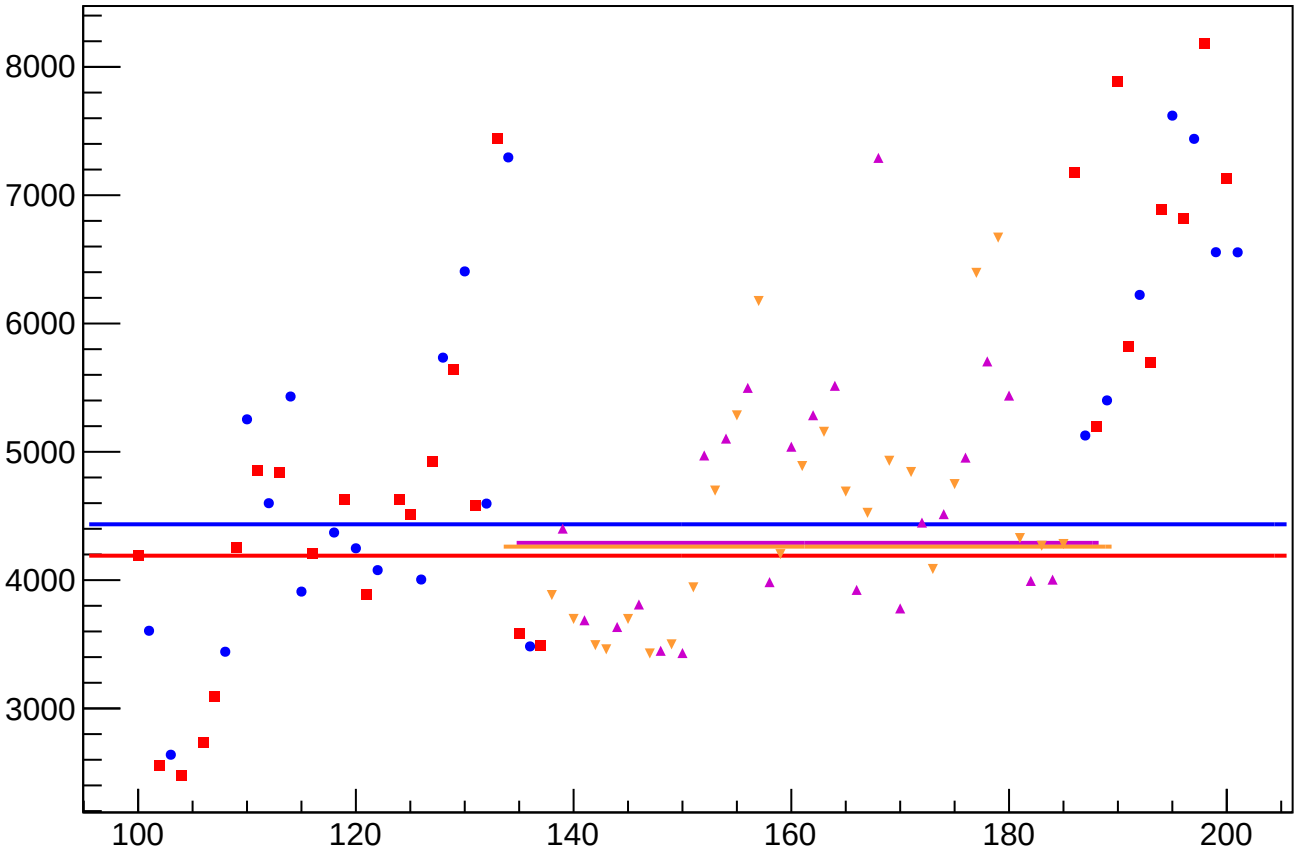
Right: 1942.686+/-0.274 χ^2/NDF: 1097365.5/50

In: 1889.336+/-0.243 χ^2/NDF:753326.5/45

Out: 1892.895+/-0.235 χ^2/NDF:443233.0/52

All: 1891.173+/-0.169 χ^2/NDF: 1196670.6/98


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 177.789+/-1330.496 χ²/NDF: 21.6/22
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1772.246+/-1214.757 χ²/NDF: 27.9/27
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 1047.372+/-897.095 χ²/NDF: 50.3/50
In: 187.029+/-810.725 χ²/NDF:36.8/45
Out: 287.761+/-767.437 χ²/NDF:55.7/52
All: 240.156+/-557.335 χ²/NDF: 92.5/98



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: 4190.536+/-0.859 χ^2/NDF: 3333319.5/27

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

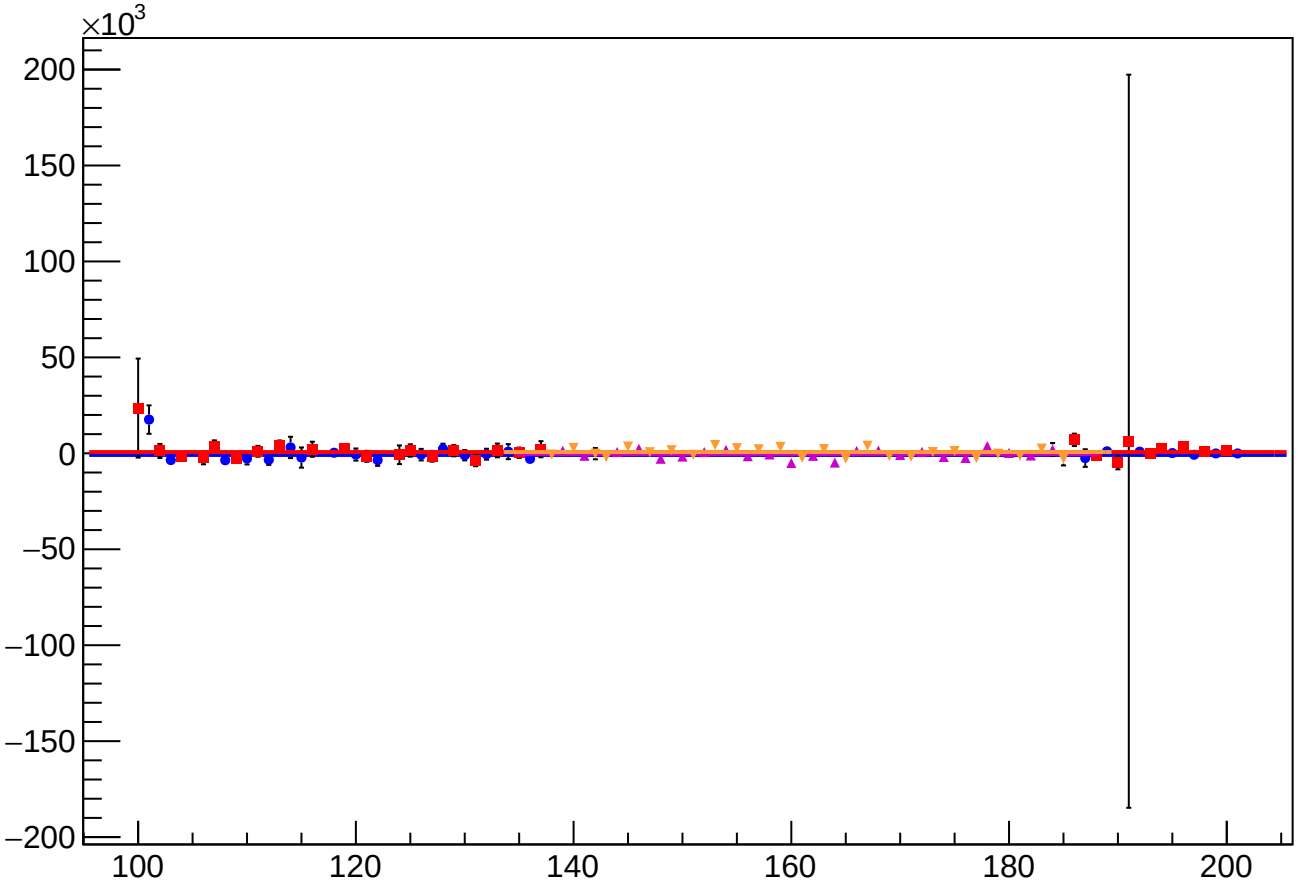
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4301.748+/-0.634 χ^2/NDF: 5639559.6/50

In: 4344.148+/-0.573 χ^2/NDF:3498217.7/45

Out: 4232.951+/-0.543 χ^2/NDF:4527938.7/52

All: 4285.502+/-0.394 χ^2/NDF: 8046000.1/98



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: 657.605+/-537.306 χ^2/NDF: 21.3/27

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

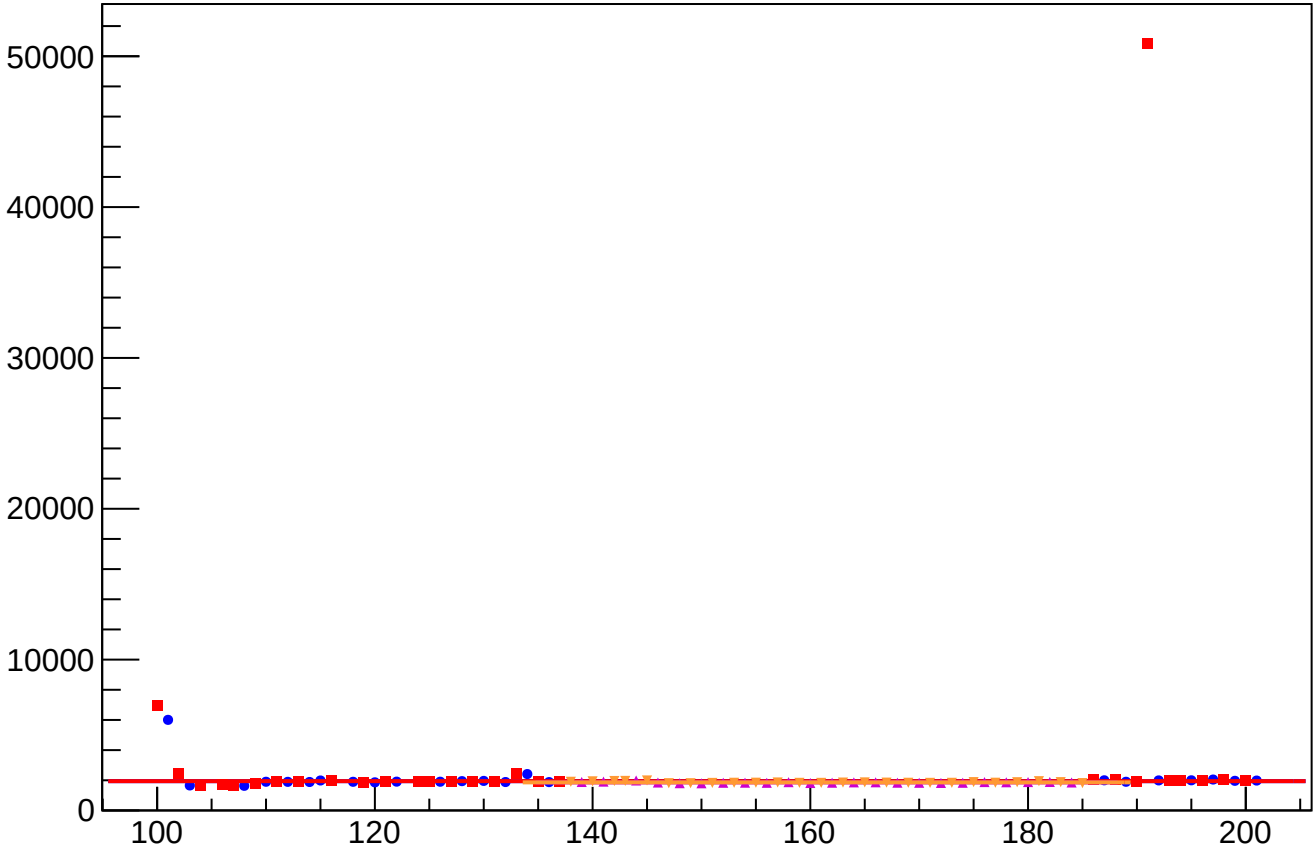
Right: -57.602+/-387.925 χ^2/NDF: 41.1/50

In: -570.219+/-343.120 χ^2/NDF:40.1/45

Out: 657.615+/-332.393 χ^2/NDF:48.4/52

All: 63.190+/-238.740 χ^2/NDF: 95.1/98

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: 1943.102+/-0.380 χ^2/NDF: 388881.3/27

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

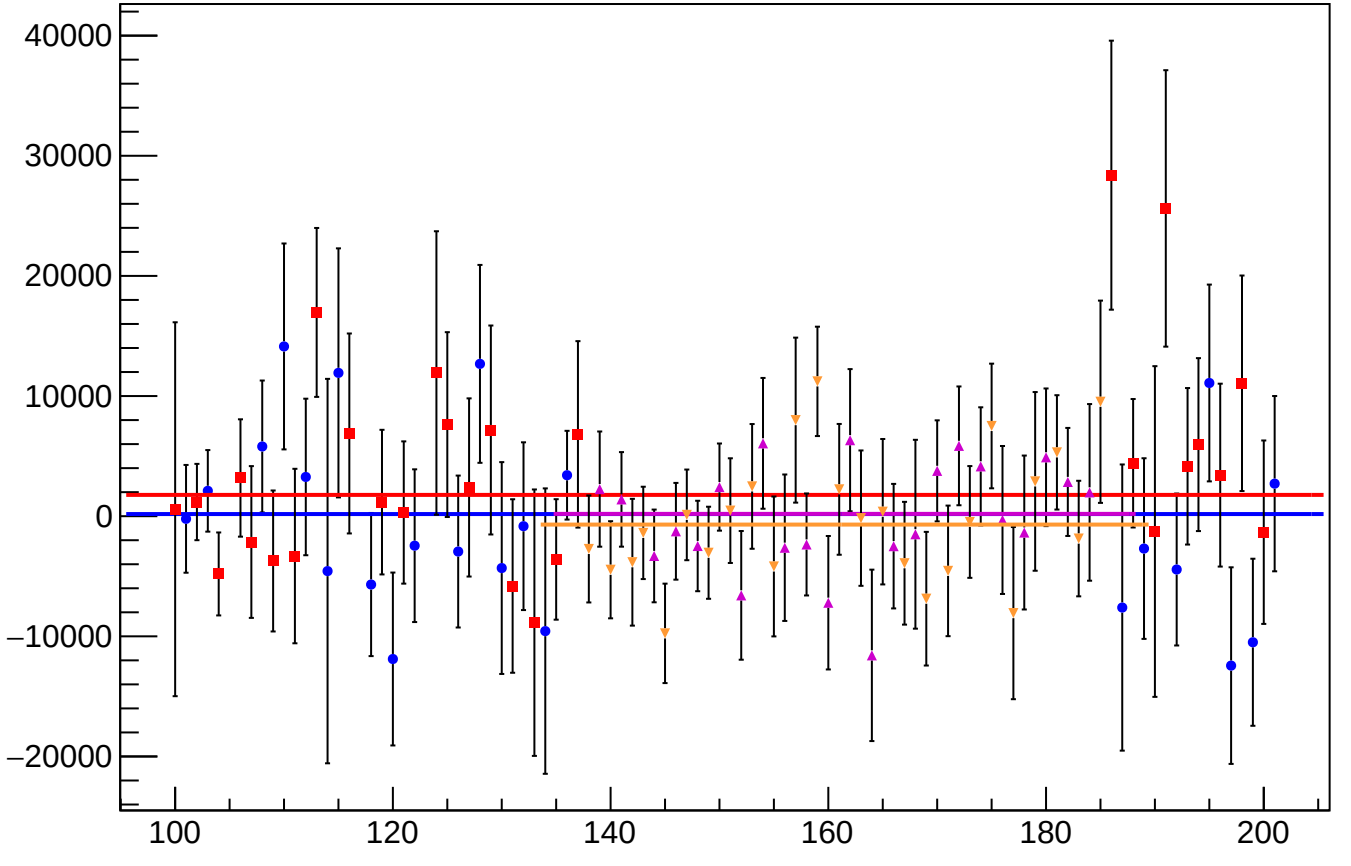
Right: 1942.686+/-0.274 χ^2/NDF: 1097365.5/50

In: 1889.337+/-0.243 χ^2/NDF:753325.8/45

Out: 1892.896+/-0.235 χ^2/NDF:443232.9/52

All: 1891.173+/-0.169 χ^2/NDF: 1196669.7/98

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1772.244+/-1214.756 χ^2/NDF: 27.9/27

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

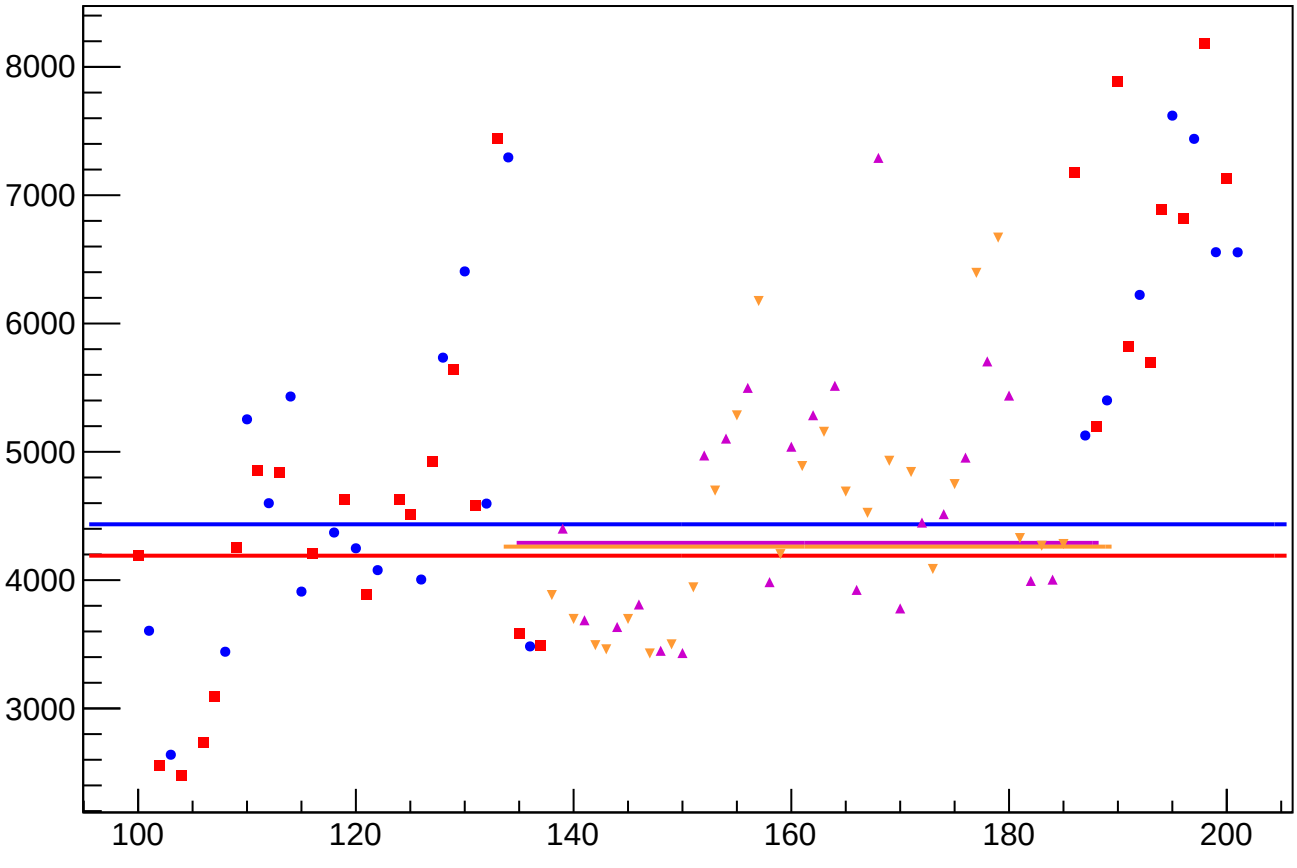
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1047.366+/-897.095 χ^2/NDF: 50.3/50

In: 187.026+/-810.726 χ^2/NDF:36.8/45

Out: 287.764+/-767.438 χ^2/NDF:55.7/52

All: 240.156+/-557.336 χ^2/NDF: 92.5/98



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: 4190.533+/-0.859 χ^2/NDF: 3333317.9/27

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

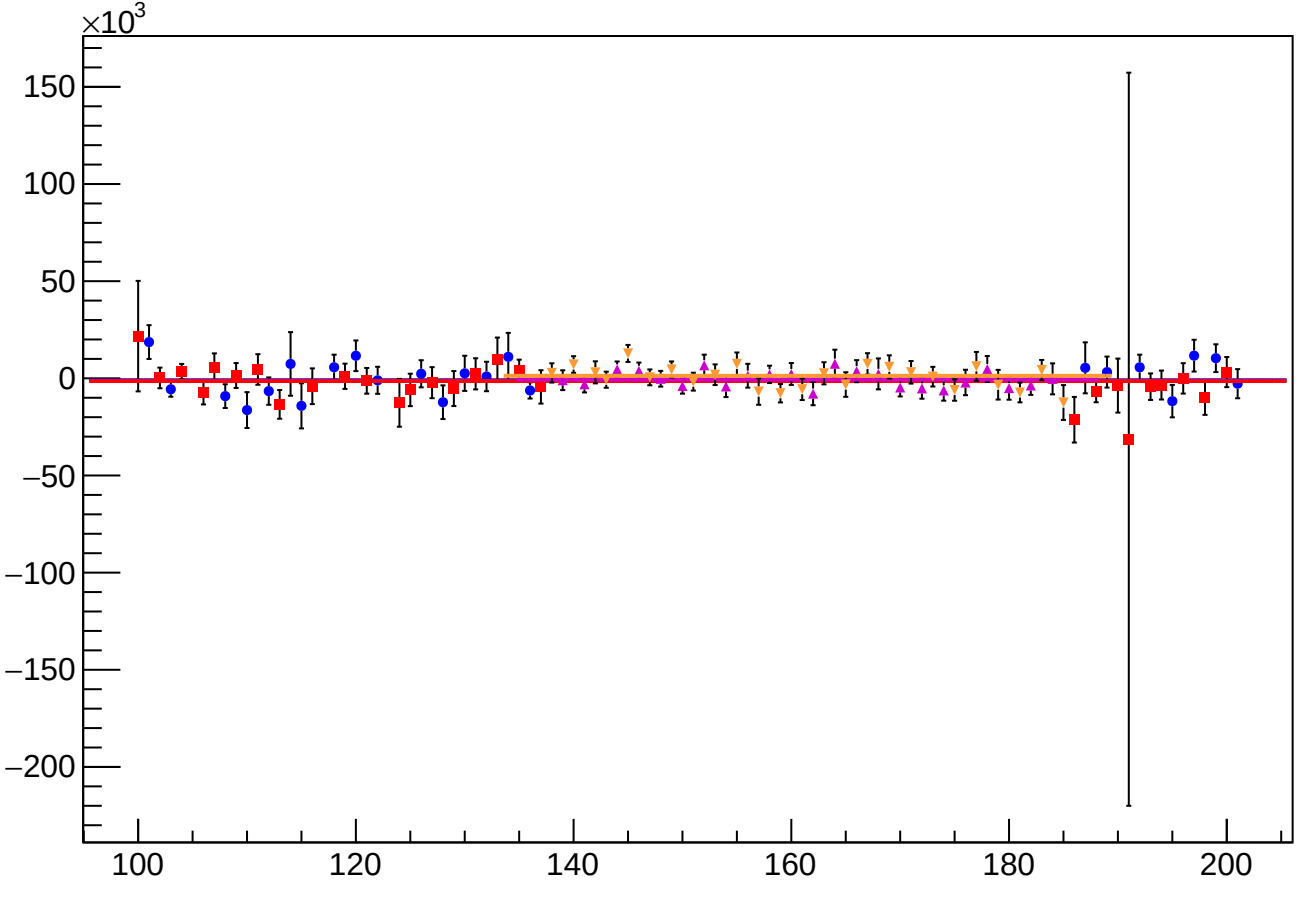
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4301.745+/-0.634 χ^2/NDF: 5639558.7/50

In: 4344.152+/-0.573 χ^2/NDF:3498222.1/45

Out: 4232.953+/-0.543 χ^2/NDF:4527941.1/52

All: 4285.505+/-0.394 χ^2/NDF: 8046007.1/98



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: -1381.788+/-1403.400 χ^2/NDF: 16.5/27

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

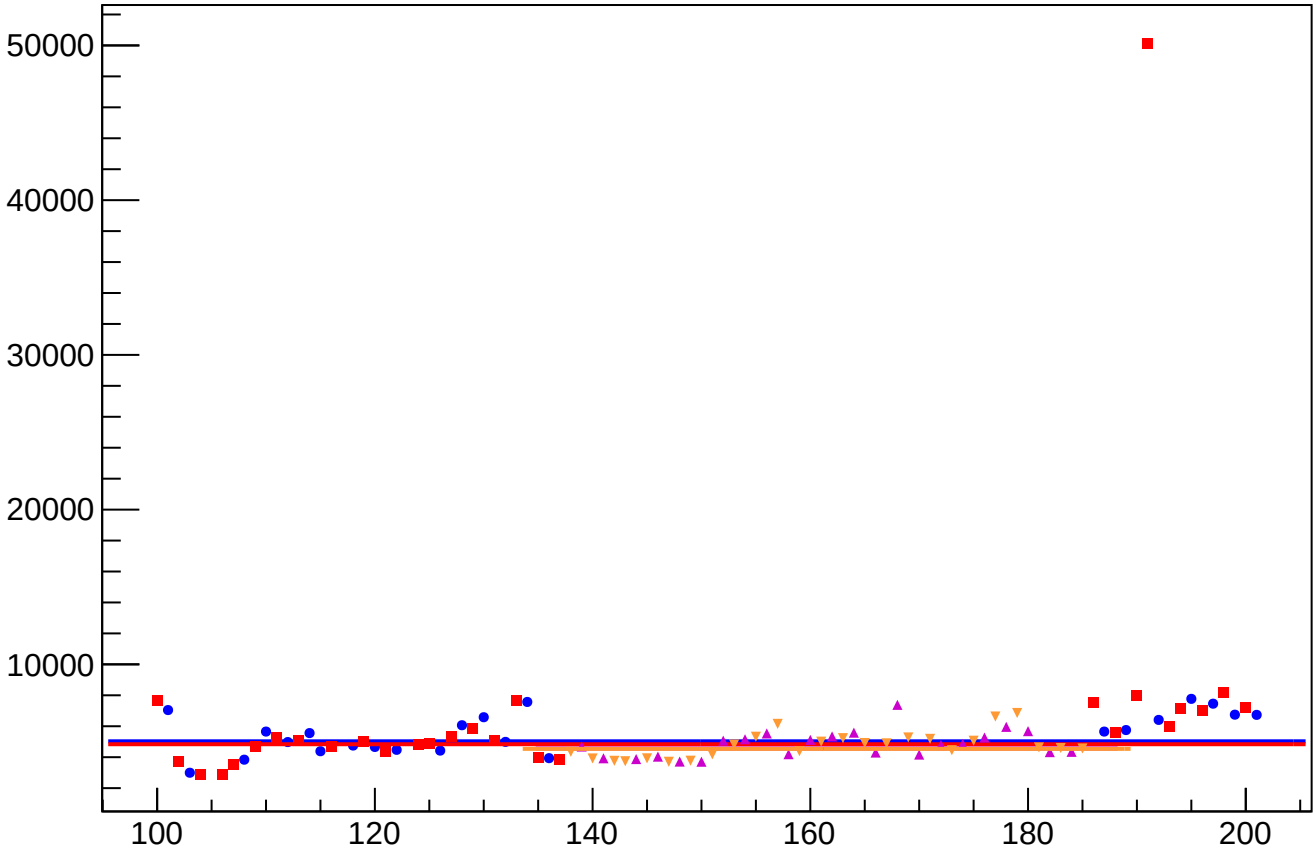
Right: -1205.920+/-1021.862 χ^2/NDF: 46.3/50

In: -725.172+/-875.744 χ^2/NDF:44.2/45

Out: 337.031+/-840.504 χ^2/NDF:47.3/52

All: -172.269+/-606.402 χ^2/NDF: 92.3/98

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: 4837.526+/-0.986 χ^2/NDF: 2397261.6/27

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

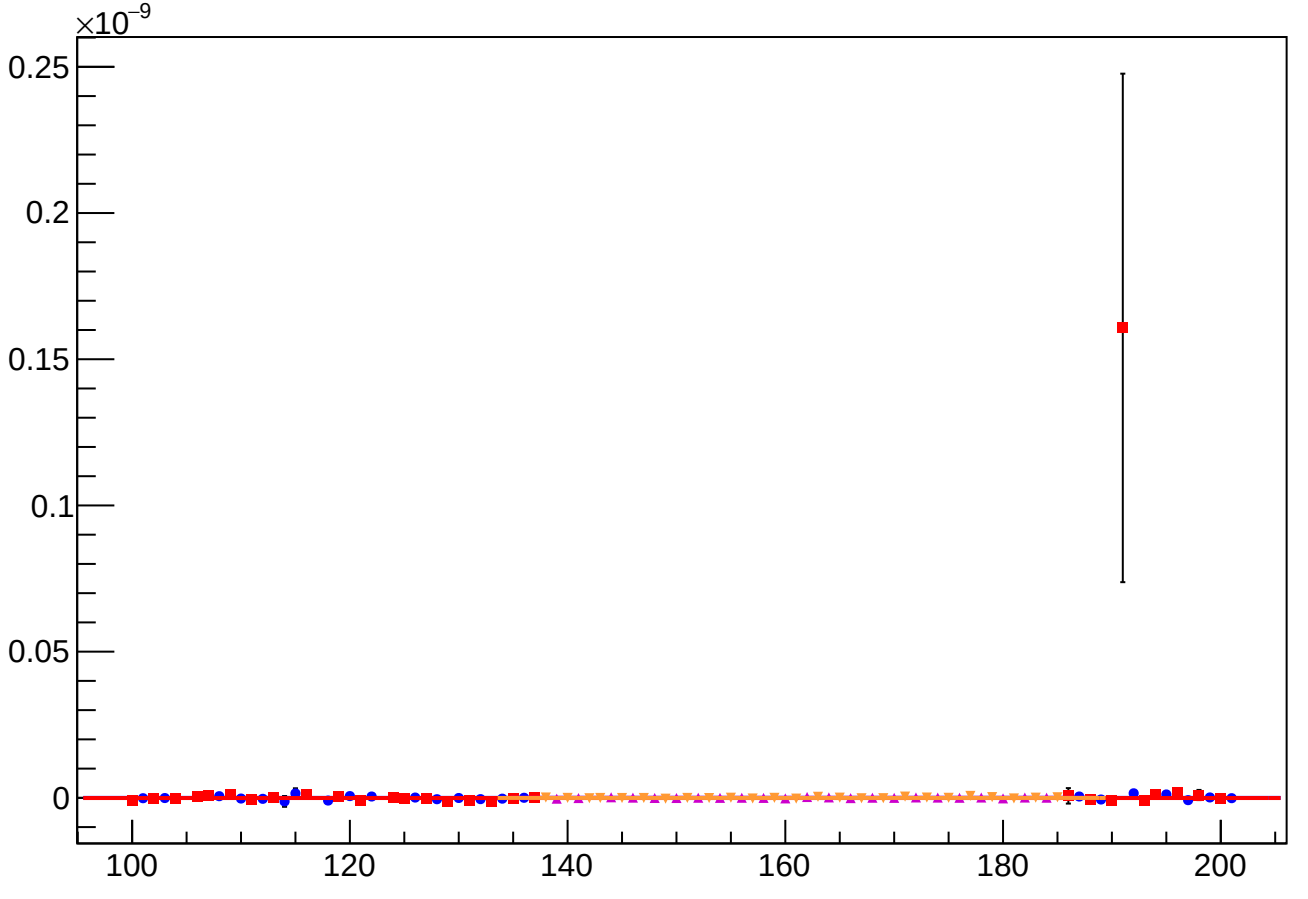
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4925.785+/-0.720 χ^2/NDF: 4238593.3/50

In: 4721.344+/-0.619 χ^2/NDF:2932417.3/45

Out: 4646.242+/-0.593 χ^2/NDF:3449079.8/52

All: 4682.169+/-0.428 χ^2/NDF: 6389169.6/98



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: 33.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

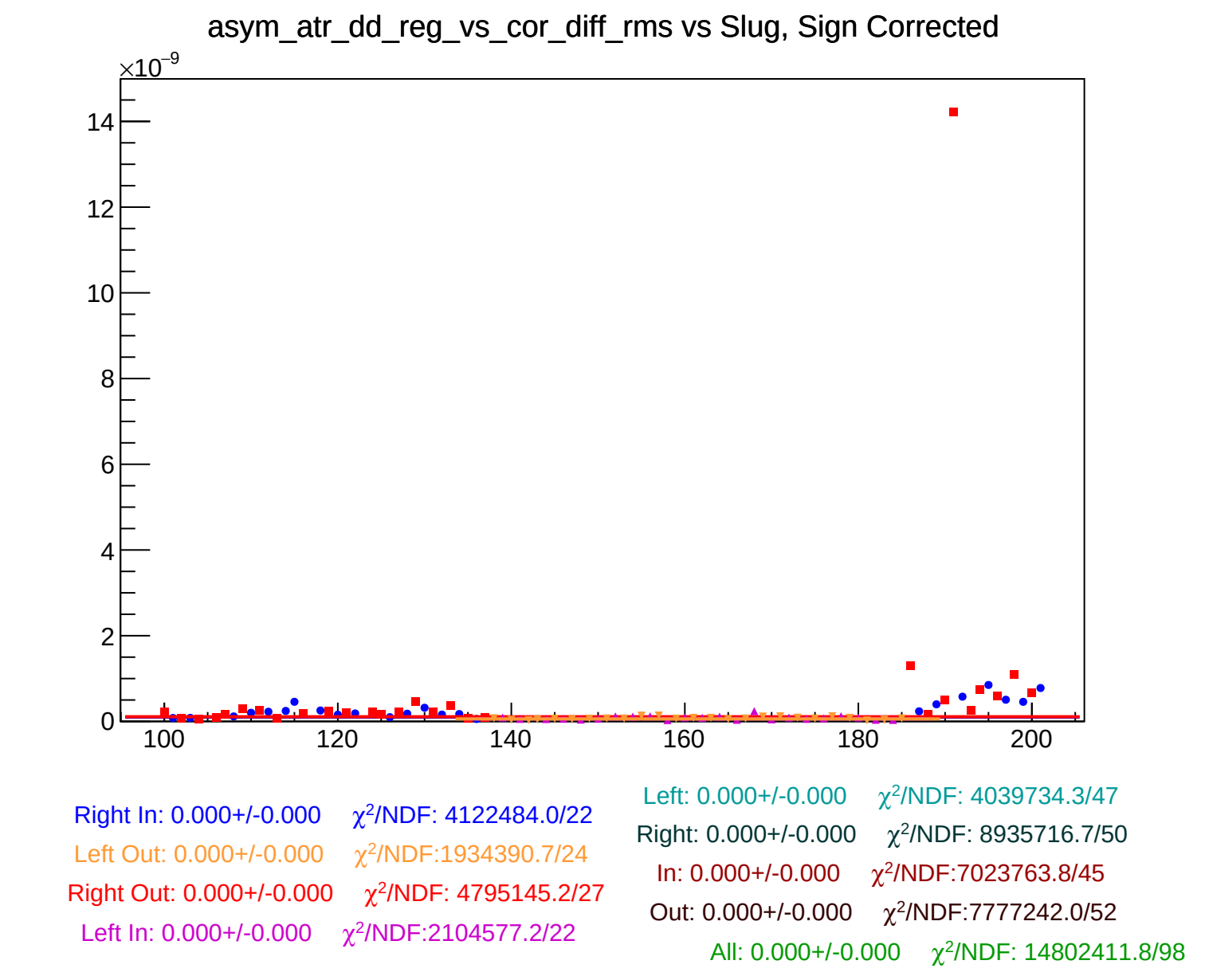
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

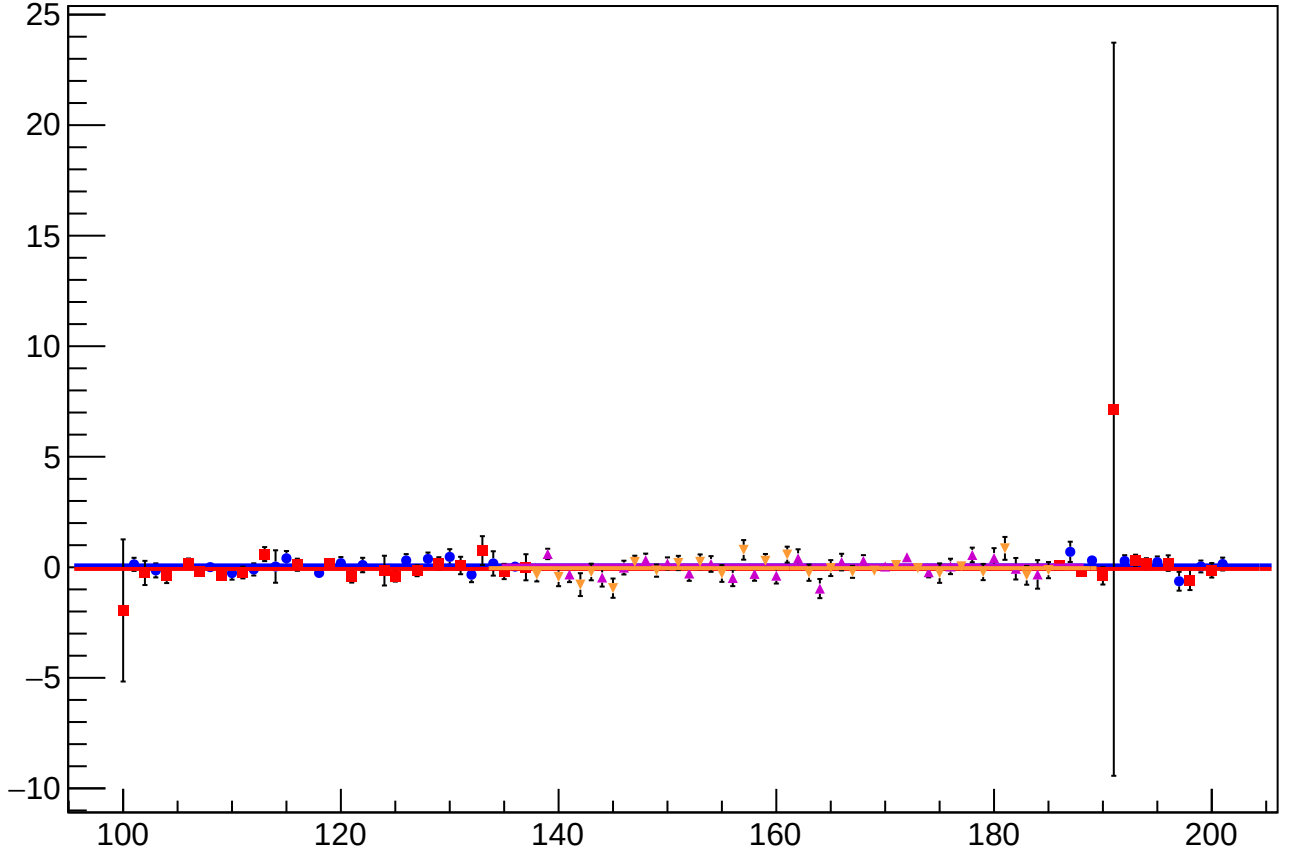
Right: -0.000+/-0.000 χ^2/NDF: 52.3/50

In: 0.000+/-0.000 χ^2/NDF:38.8/45

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: -0.000+/-0.000 χ^2/NDF: 112.7/98


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: 4795145.2/27
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: 8935716.7/50
In: 0.000+/-0.000 χ²/NDF:7023763.8/45
Out: 0.000+/-0.000 χ²/NDF:7777242.0/52
All: 0.000+/-0.000 χ²/NDF: 14802411.8/98



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: -0.075+/-0.053 χ^2/NDF: 24.8/27

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

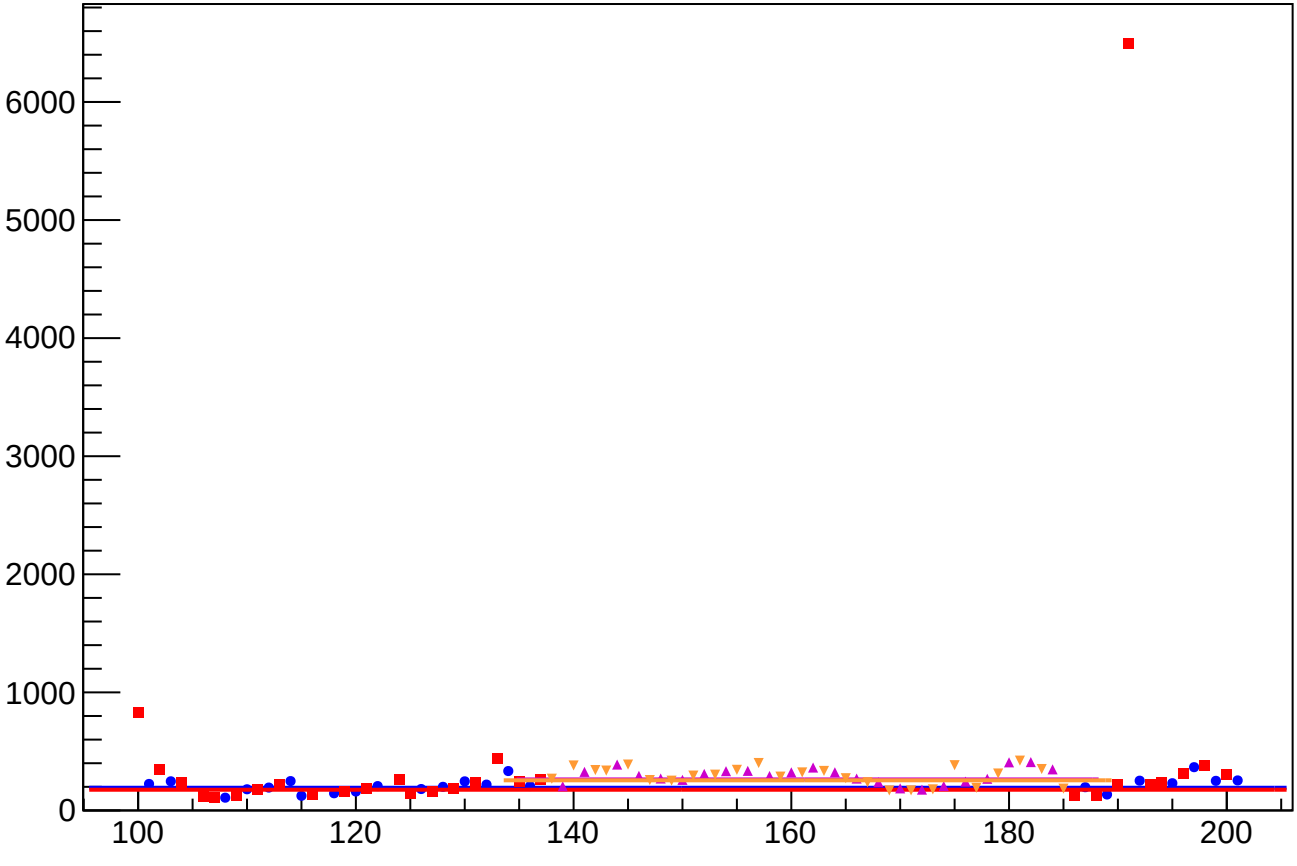
Right: -0.002+/-0.039 χ^2/NDF: 46.8/50

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.006+/-0.030 χ^2/NDF: 104.1/98

asym_atr_dd_dit_vs_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: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

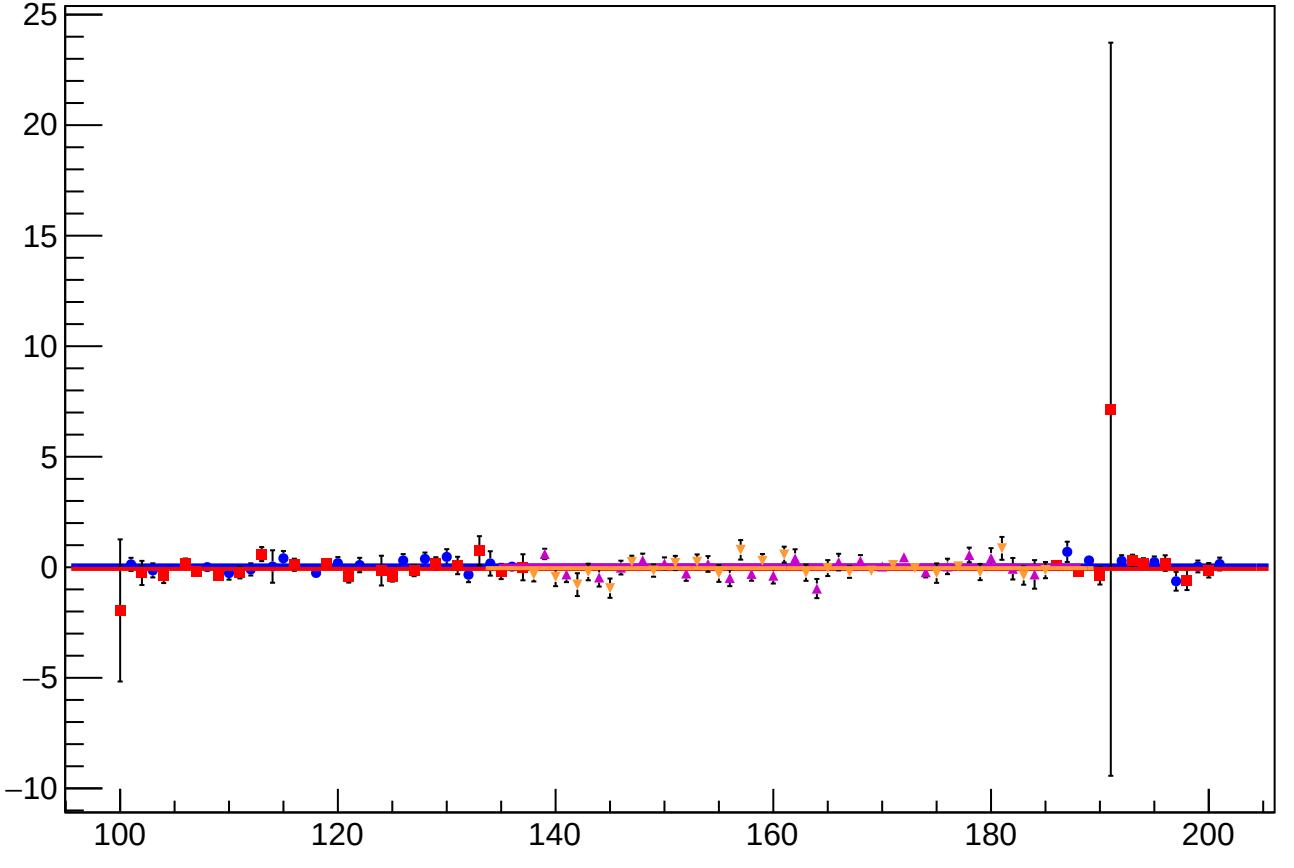
Right: 183.017+/-0.028 χ^2/NDF: 5230310.9/50

In: 223.833+/-0.031 χ^2/NDF:5154979.8/45

Out: 209.235+/-0.028 χ^2/NDF:8173652.0/52

All: 215.984+/-0.021 χ^2/NDF: 13450148.1/98

asym_atr_dd_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: -0.075+/-0.053 χ^2/NDF: 24.8/27

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

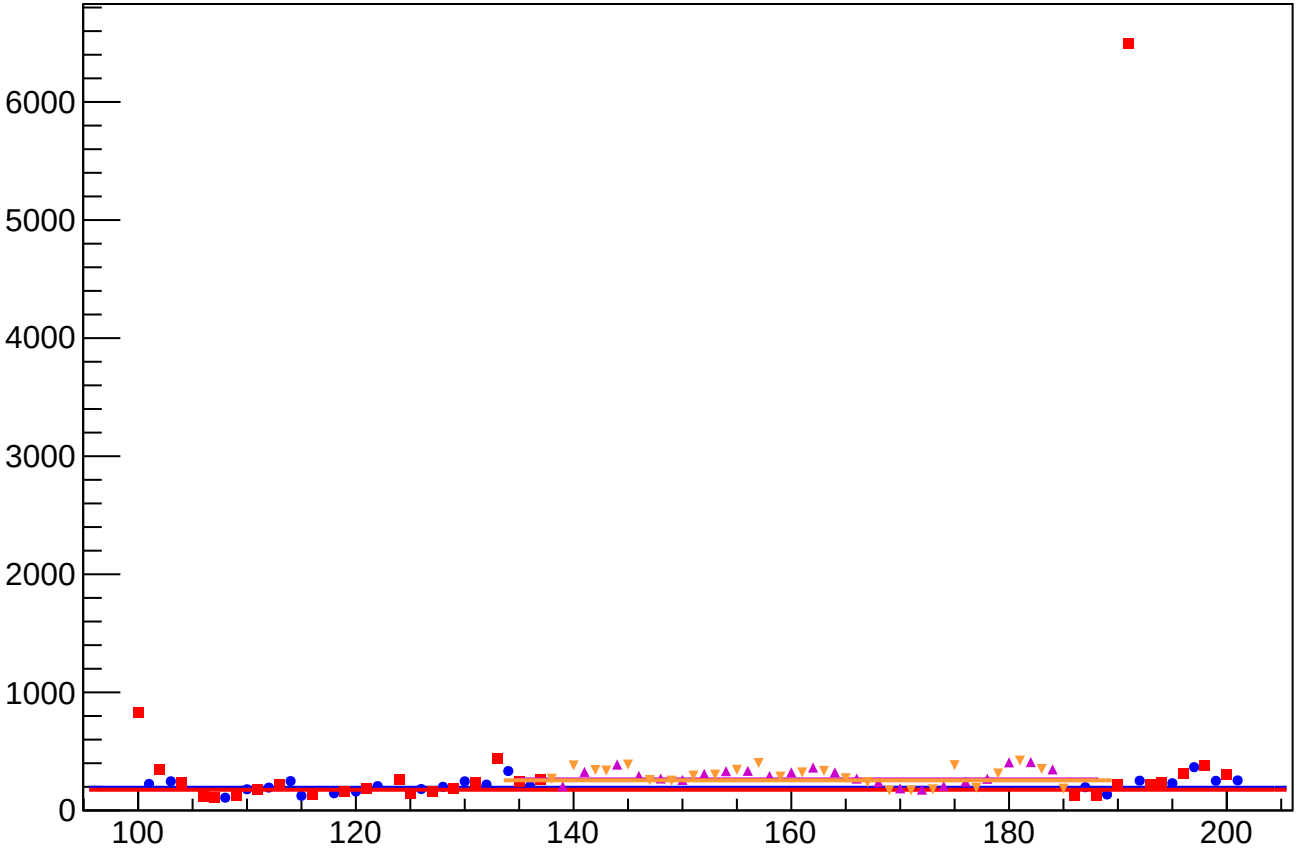
Right: -0.002+/-0.039 χ^2/NDF: 46.8/50

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.006+/-0.030 χ^2/NDF: 104.1/98

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: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

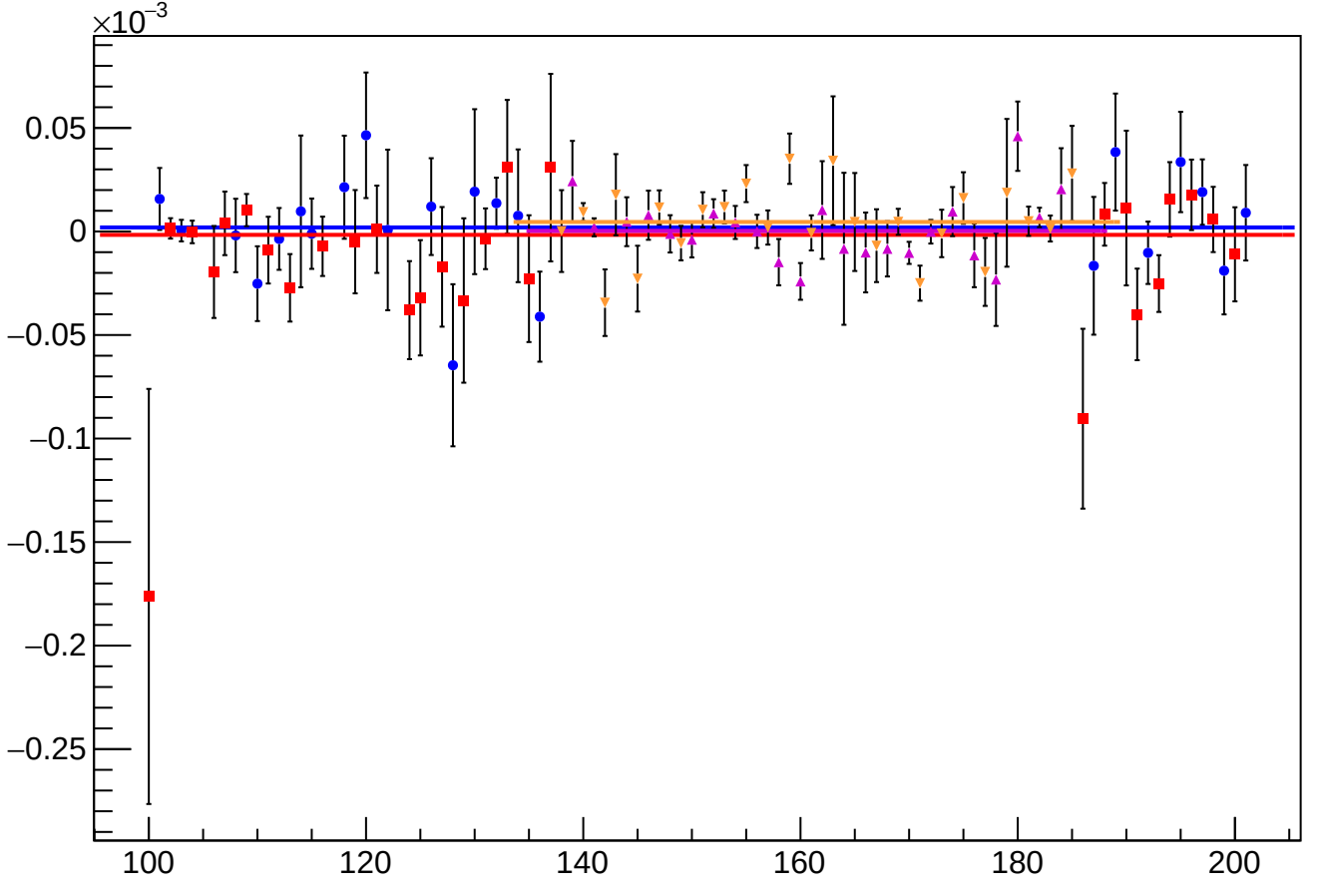
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 183.017+/-0.028 χ^2/NDF: 5230310.9/50

In: 223.833+/-0.031 χ^2/NDF:5154979.8/45

Out: 209.235+/-0.028 χ^2/NDF:8173652.0/52

All: 215.984+/-0.021 χ^2/NDF: 13450148.1/98



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: 29.3/27

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

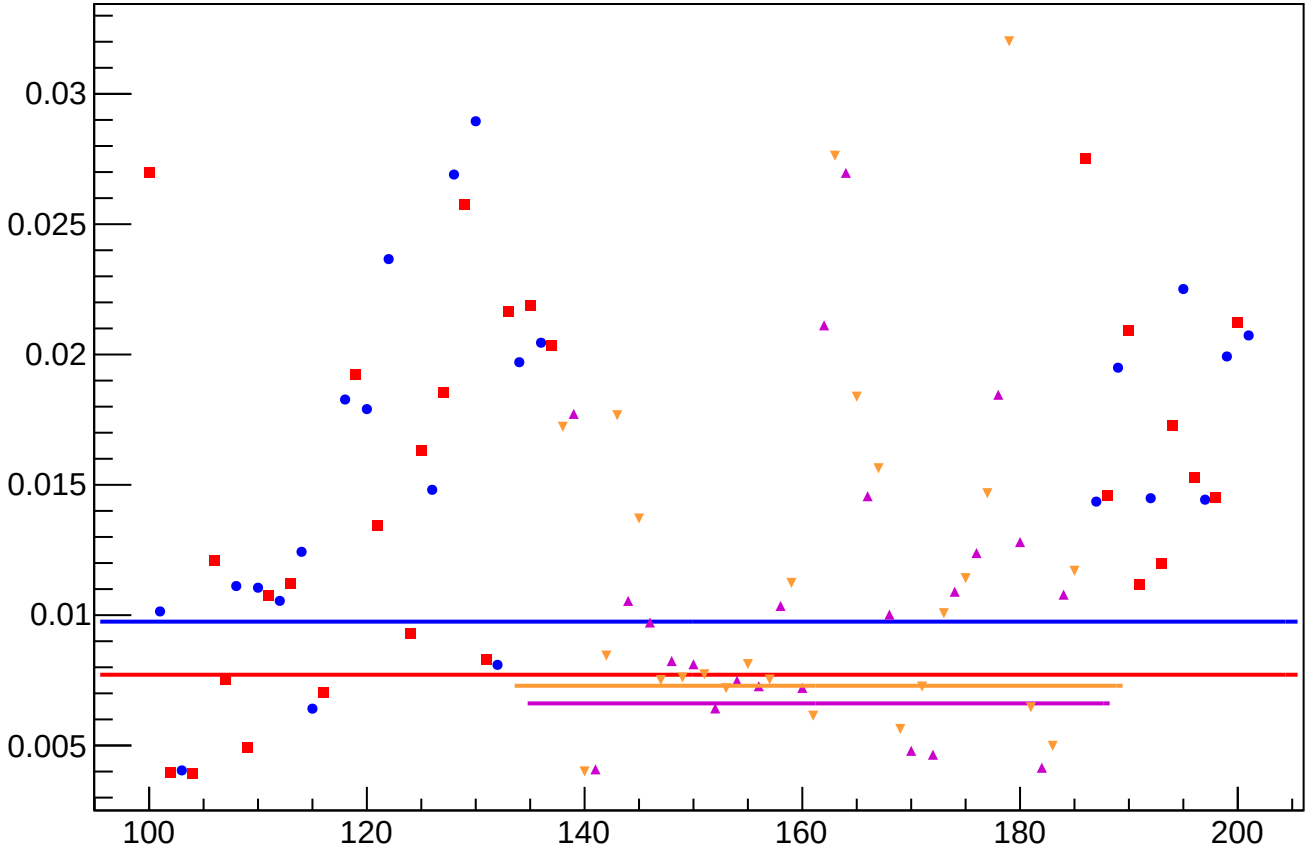
Right: -0.000+/-0.000 χ^2/NDF: 50.9/50

In: 0.000+/-0.000 χ^2/NDF:52.3/45

Out: 0.000+/-0.000 χ^2/NDF:76.5/52

All: 0.000+/-0.000 χ^2/NDF: 129.5/98

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 6940350.9/22

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8489726.3/27

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

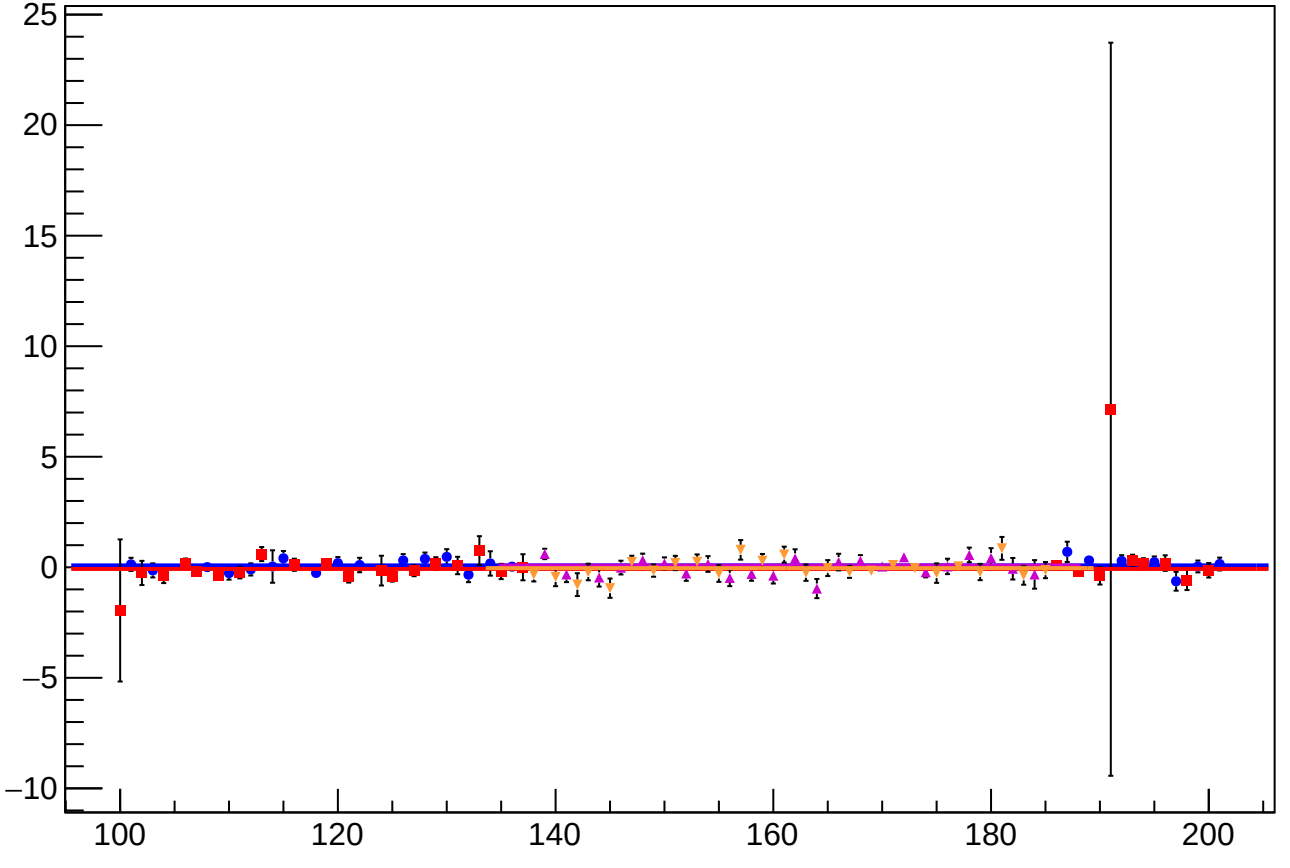
Right: 0.008+/-0.000 χ^2/NDF: 15895357.7/50

In: 0.007+/-0.000 χ^2/NDF:14710259.3/45

Out: 0.007+/-0.000 χ^2/NDF:15297012.1/52

All: 0.007+/-0.000 χ^2/NDF: 30013727.2/98

asym_atr_dd_eigen_dit_vs_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: -0.075+/-0.053 χ^2/NDF: 24.7/27

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

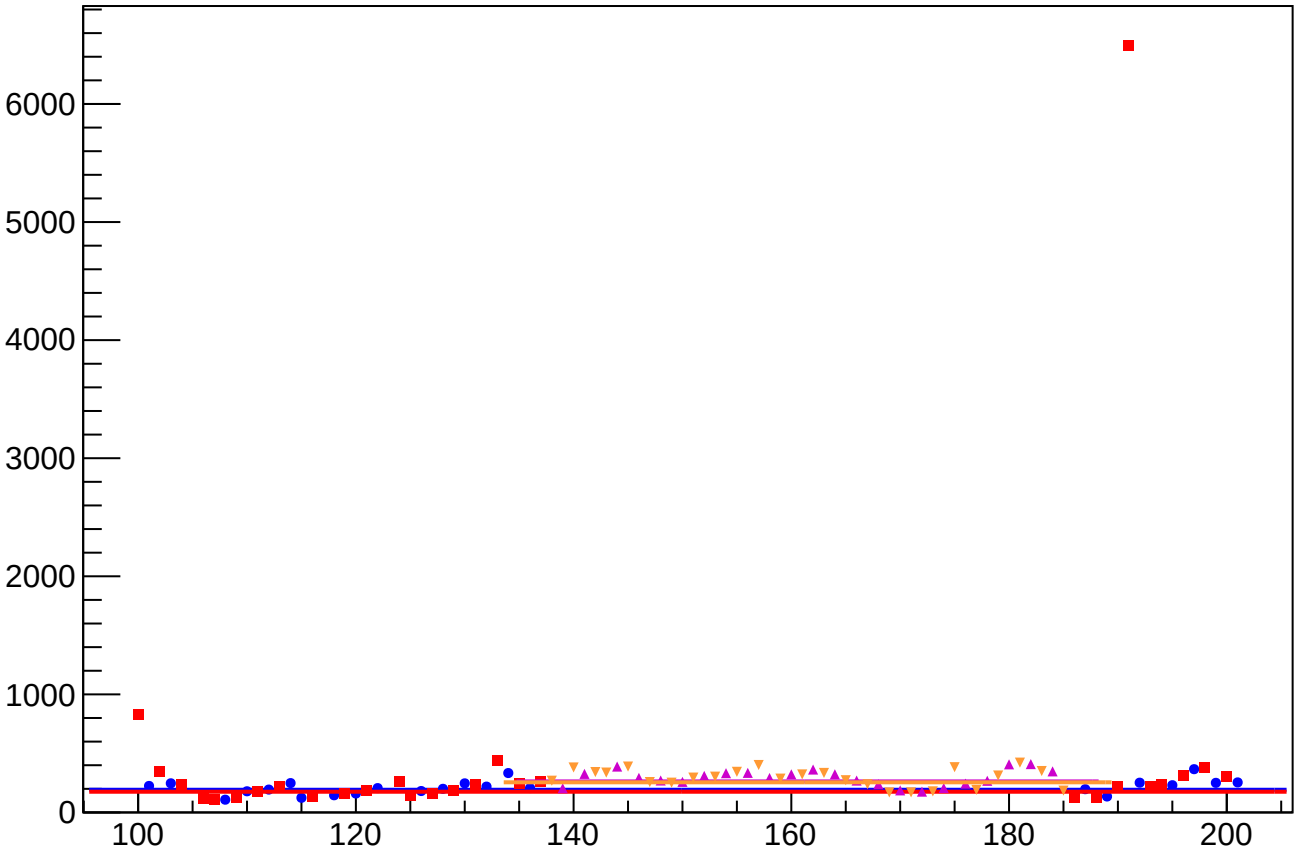
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.002+/-0.039 χ^2/NDF: 46.8/50

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.006+/-0.030 χ^2/NDF: 104.1/98



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: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

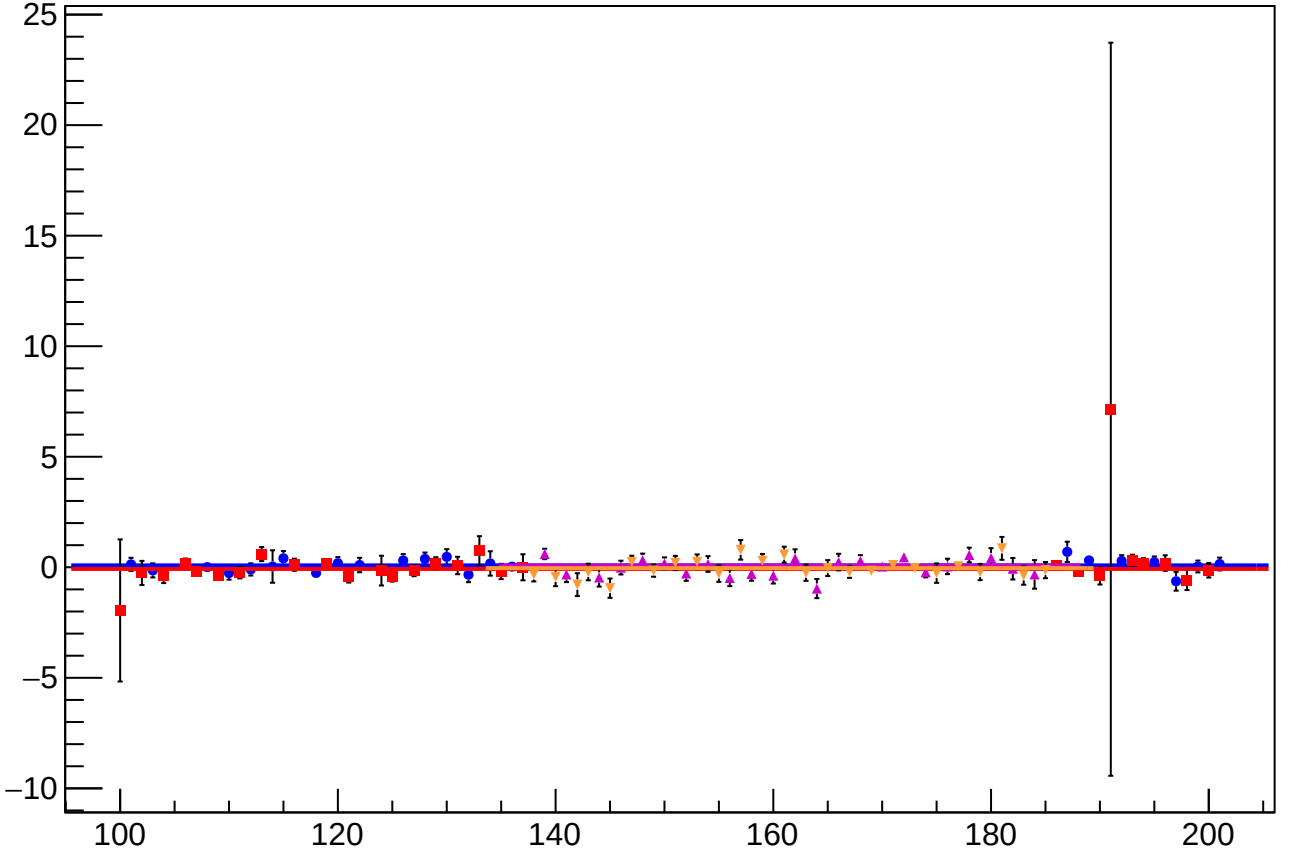
Right: 183.017+/-0.028 χ^2/NDF: 5230247.0/50

In: 223.833+/-0.031 χ^2/NDF:5155107.0/45

Out: 209.236+/-0.028 χ^2/NDF:8173707.5/52

All: 215.985+/-0.021 χ^2/NDF: 13450313.5/98

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: -0.075+/-0.053 χ^2/NDF: 24.7/27

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

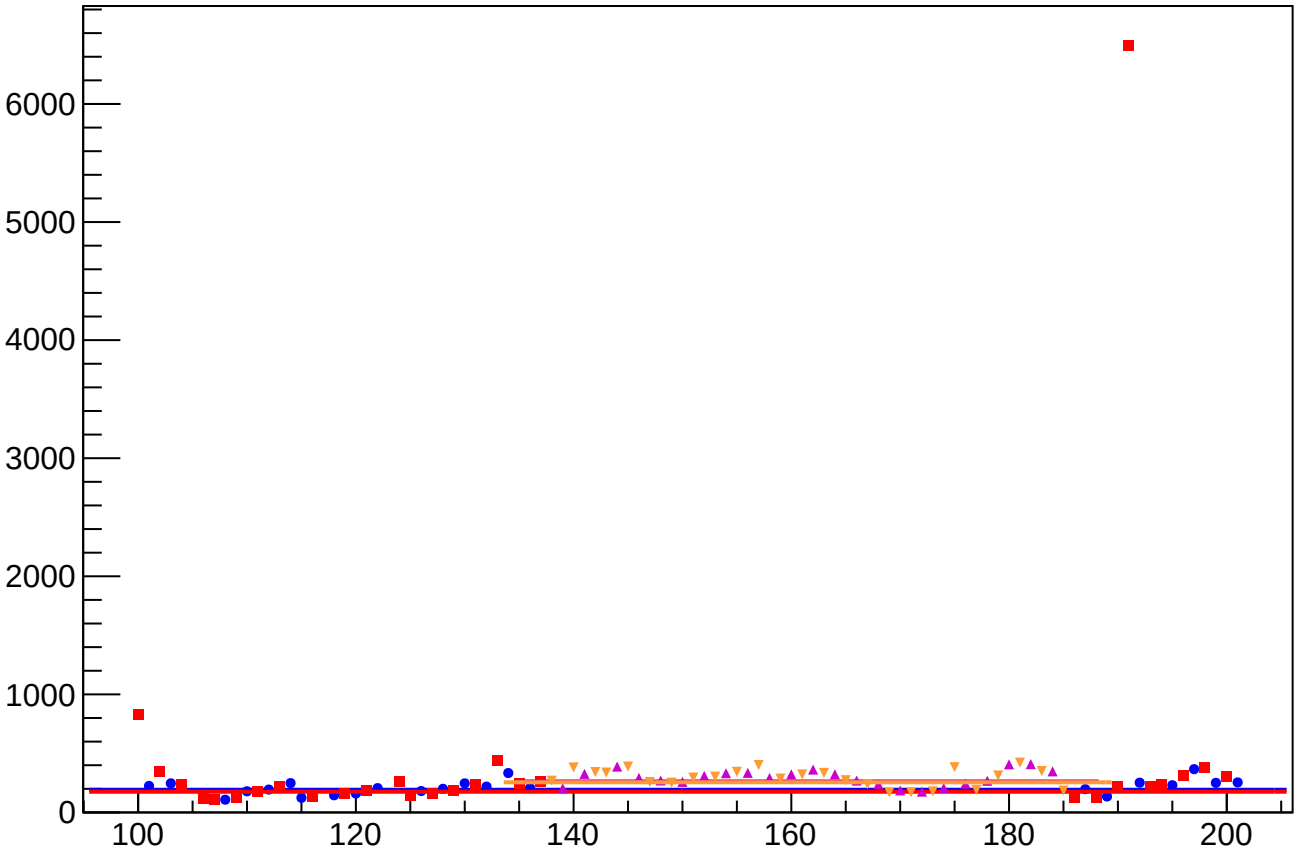
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.002+/-0.039 χ^2/NDF: 46.8/50

In: 0.082+/-0.043 χ^2/NDF:49.0/45

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.006+/-0.030 χ^2/NDF: 104.1/98



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: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

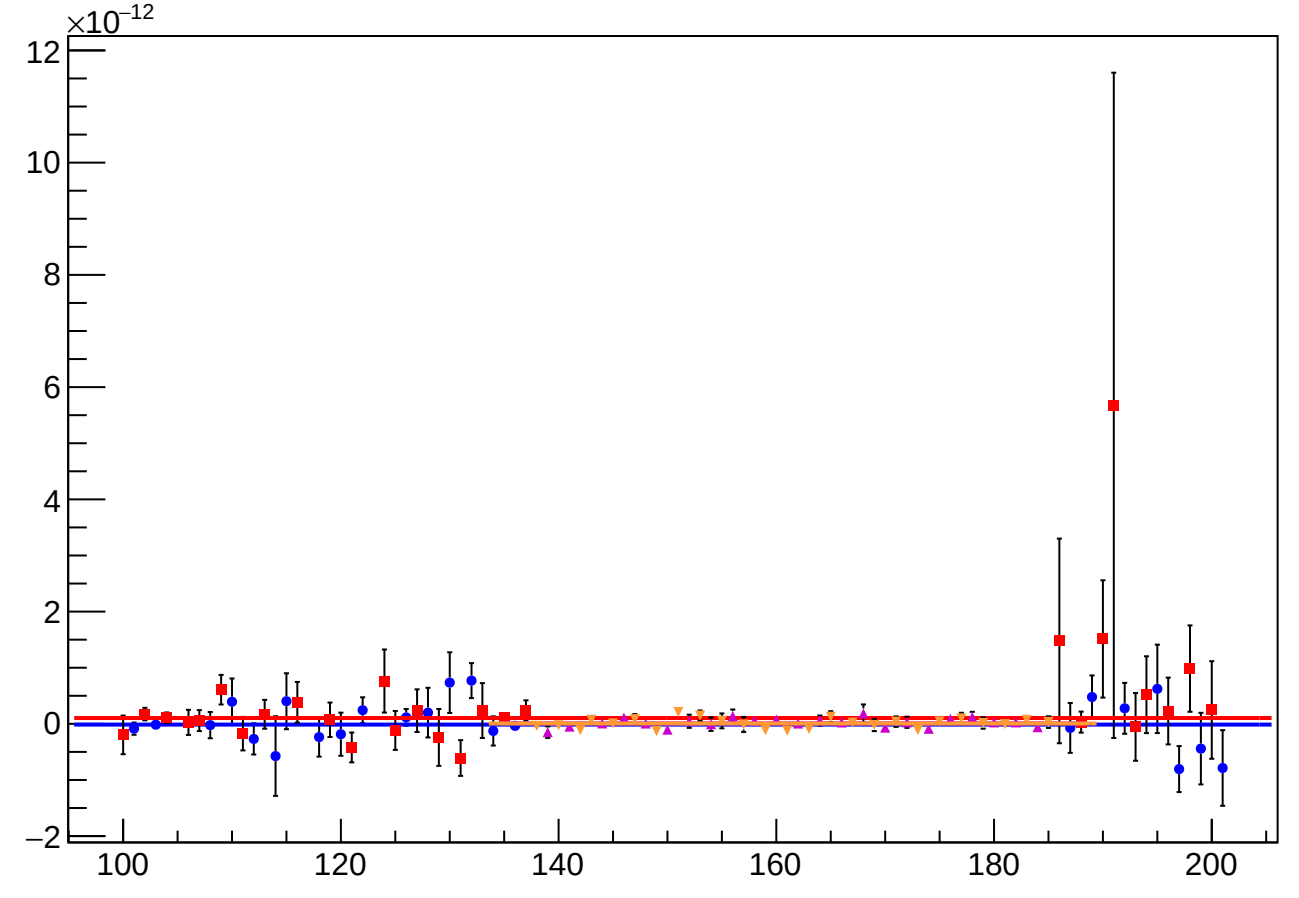
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 183.017+/-0.028 χ^2/NDF: 5230247.0/50

In: 223.833+/-0.031 χ^2/NDF:5155107.0/45

Out: 209.236+/-0.028 χ^2/NDF:8173707.5/52

All: 215.985+/-0.021 χ^2/NDF: 13450313.5/98



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

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

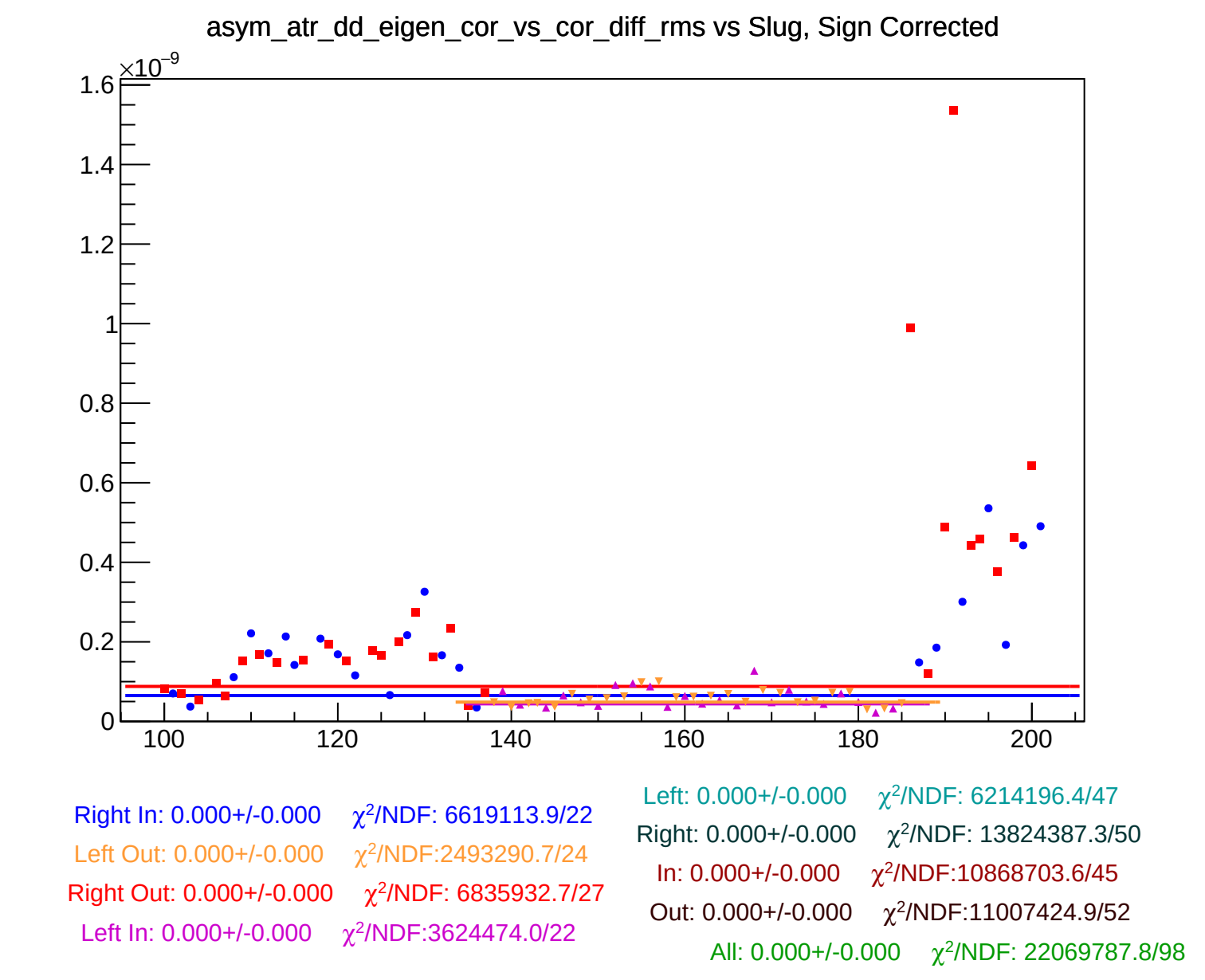
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/50

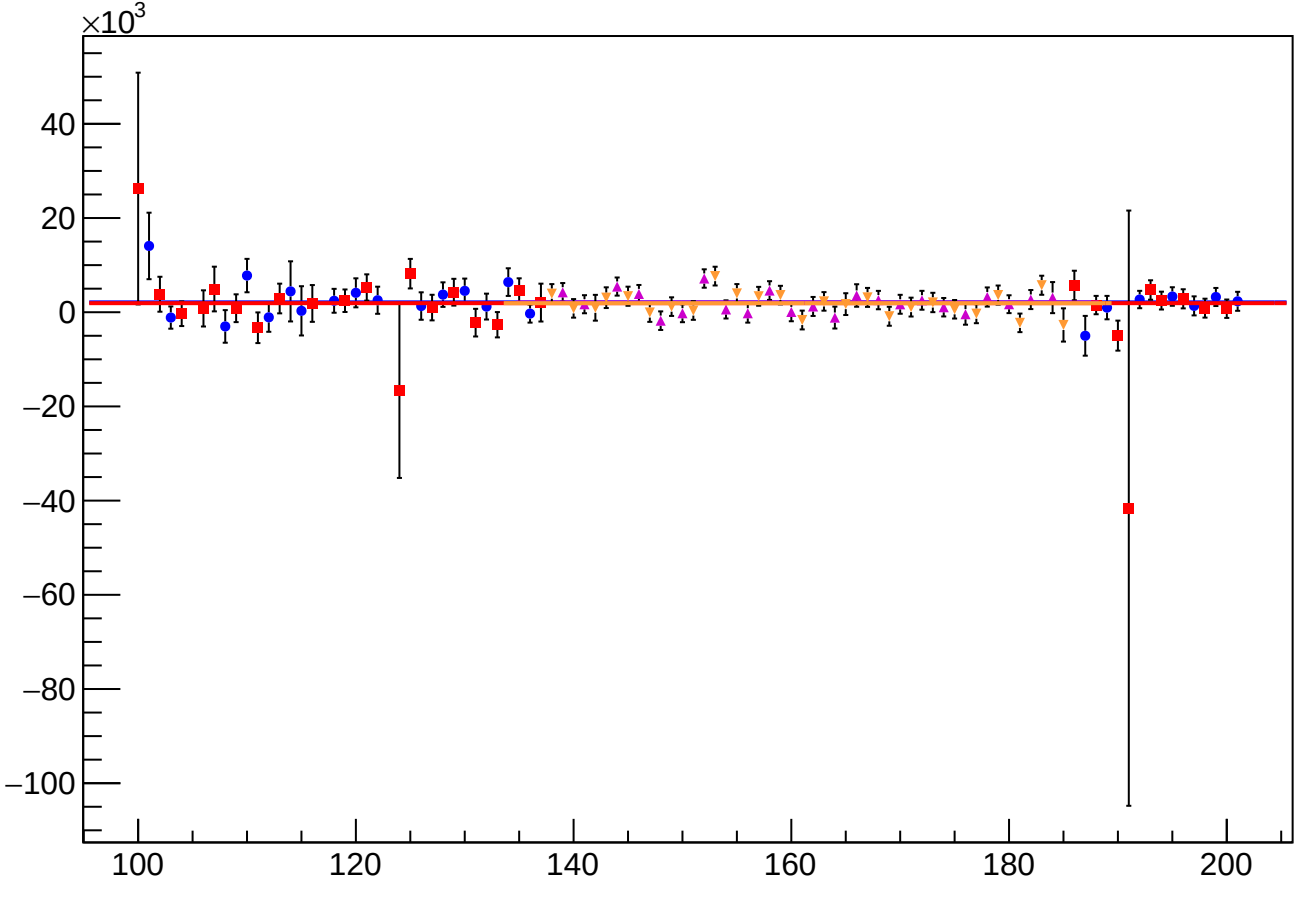
In: 0.000+/-0.000 χ^2/NDF:44.9/45

Out: 0.000+/-0.000 χ^2/NDF:59.3/52

All: 0.000+/-0.000 χ^2/NDF: 104.5/98


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6619113.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6835932.7/27
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 13824387.3/50
In: 0.000+/-0.000 χ²/NDF:10868703.6/45
Out: 0.000+/-0.000 χ²/NDF:11007424.9/52
All: 0.000+/-0.000 χ²/NDF: 22069787.8/98

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: 1922.208+/-529.047 χ^2/NDF: 27.9/27

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

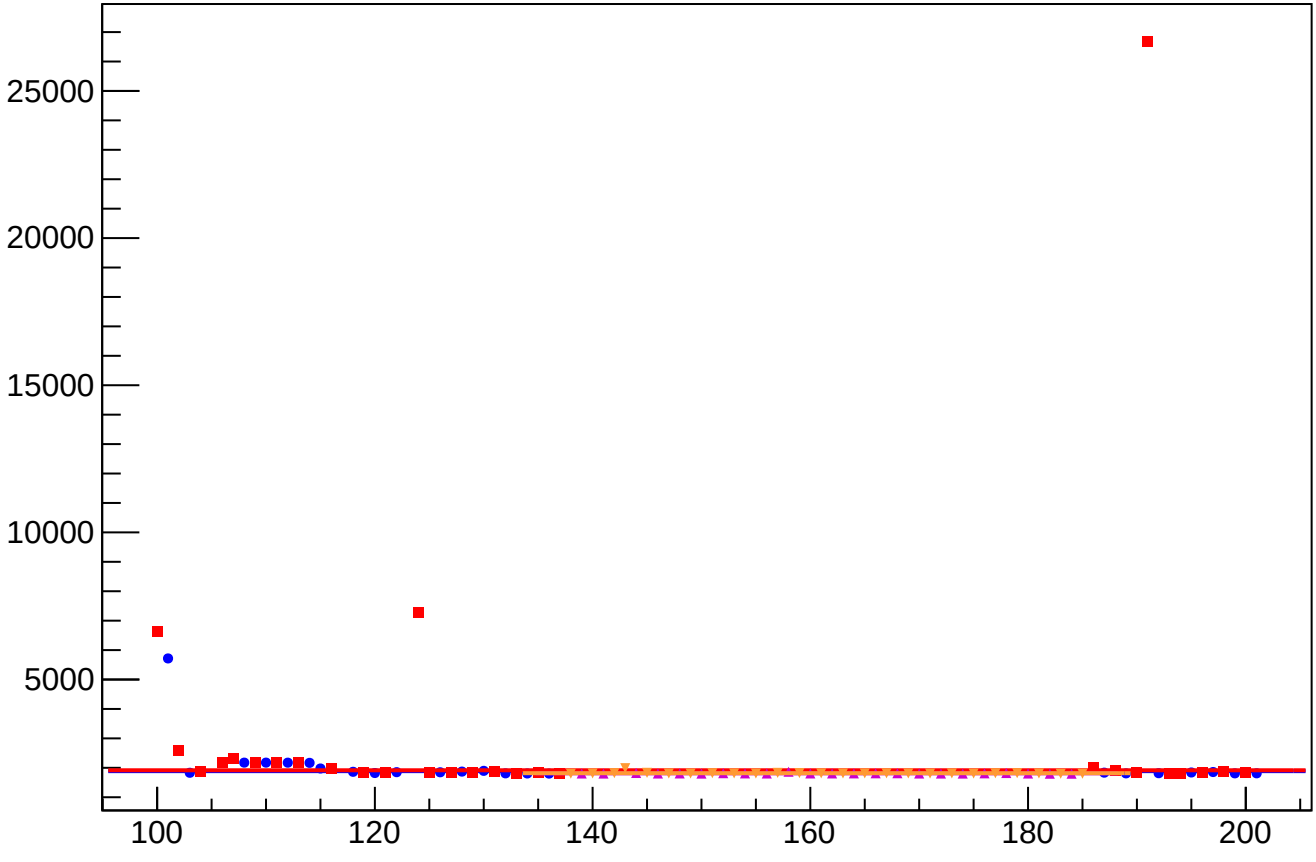
Right: 2006.081+/-379.294 χ^2/NDF: 48.4/50

In: 2081.964+/-334.046 χ^2/NDF:47.0/45

Out: 1921.223+/-325.507 χ^2/NDF:60.4/52

All: 1999.513+/-233.129 χ^2/NDF: 107.6/98

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: 1916.410+/-0.374 χ^2/NDF: 722464.6/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

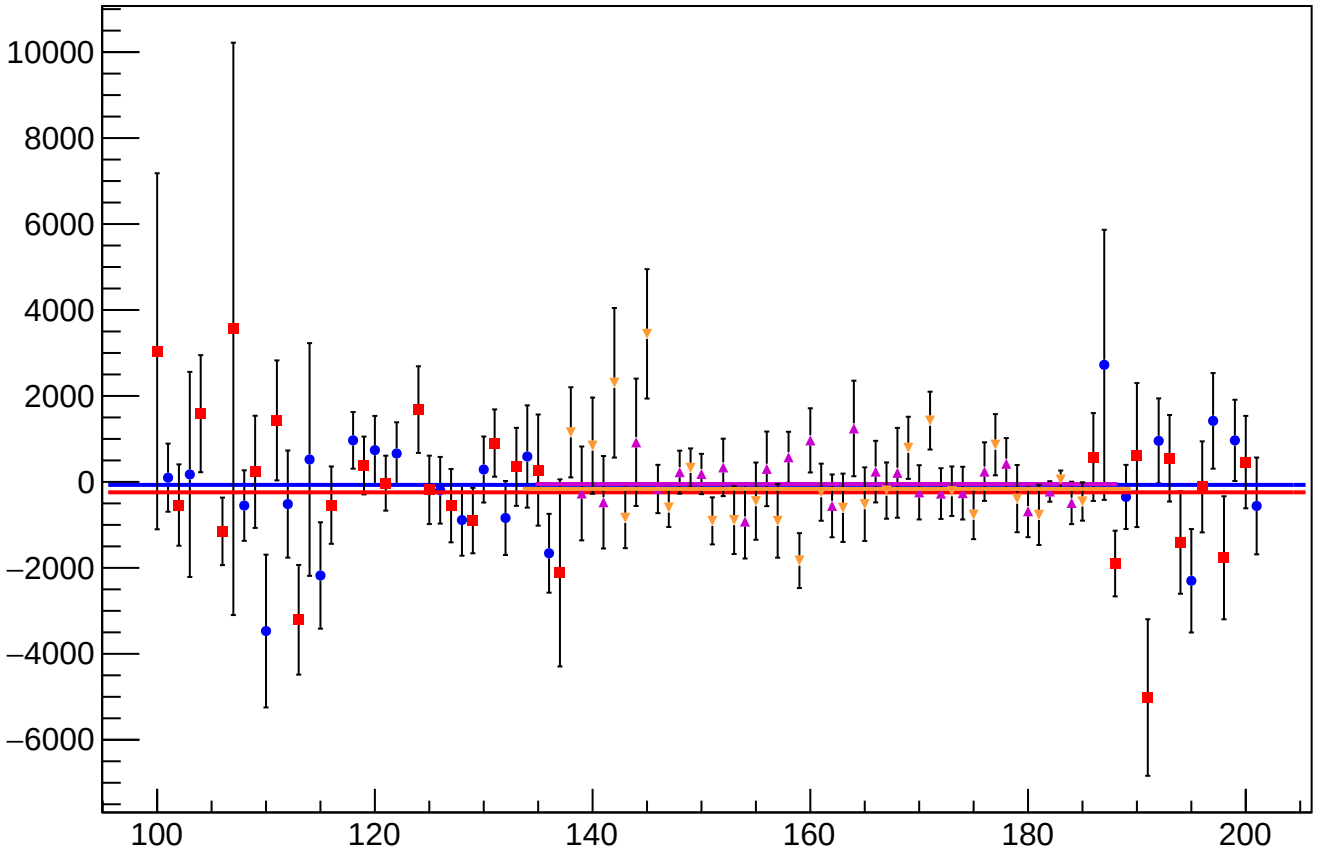
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1902.006+/-0.268 χ^2/NDF: 1385227.4/50

In: 1840.526+/-0.236 χ^2/NDF:684918.5/45

Out: 1854.958+/-0.230 χ^2/NDF:778841.8/52

All: 1847.929+/-0.165 χ^2/NDF: 1465675.3/98



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: -242.258+/-190.521 χ^2/NDF: 35.9/27

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

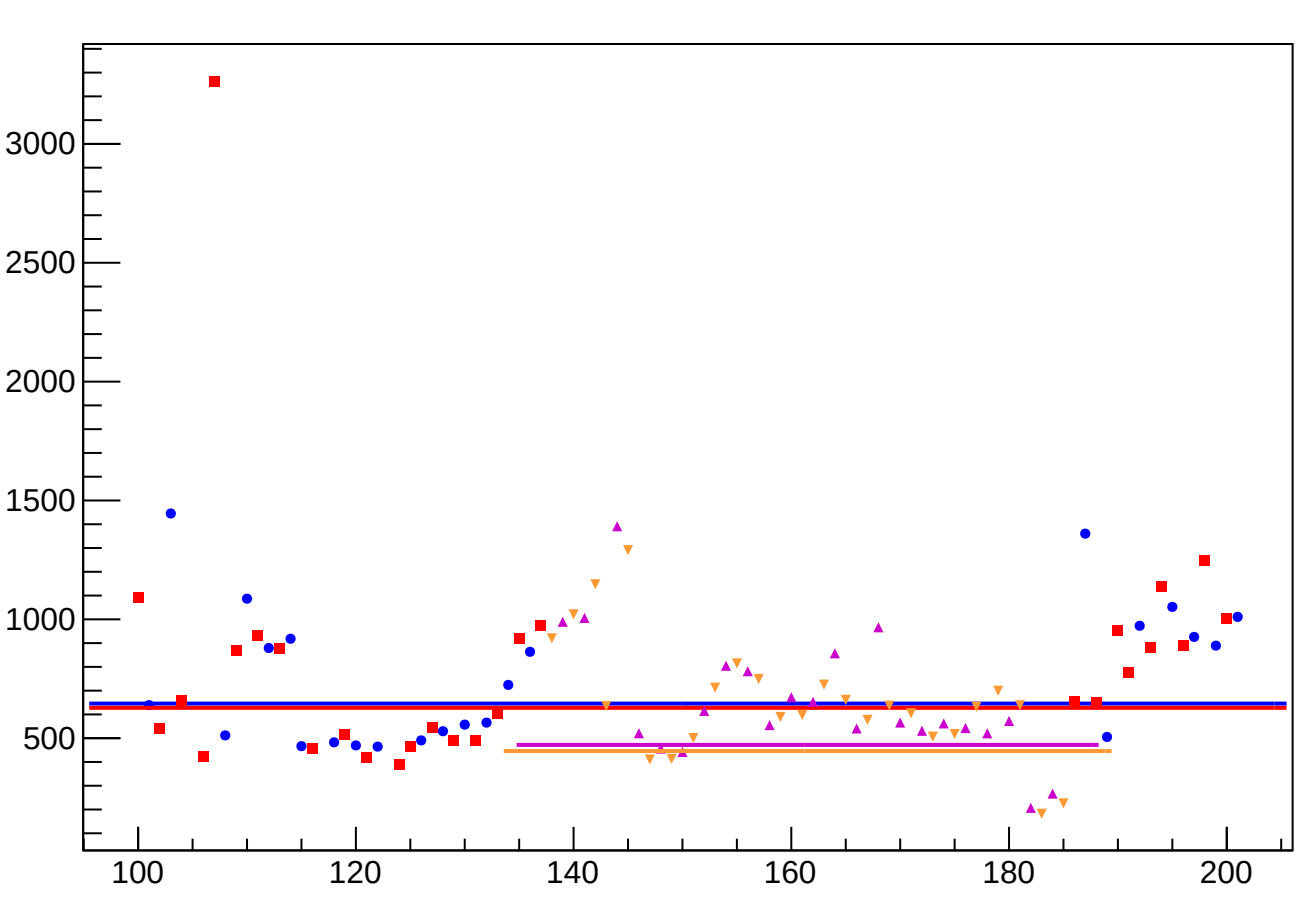
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -159.726+/-137.739 χ^2/NDF: 61.9/50

In: -54.802+/-104.490 χ^2/NDF:37.0/45

Out: -184.242+/-98.640 χ^2/NDF:72.9/52

All: -123.247+/-71.728 χ^2/NDF: 110.6/98



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: 627.749+/-0.135 χ^2/NDF: 2887311.7/27

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

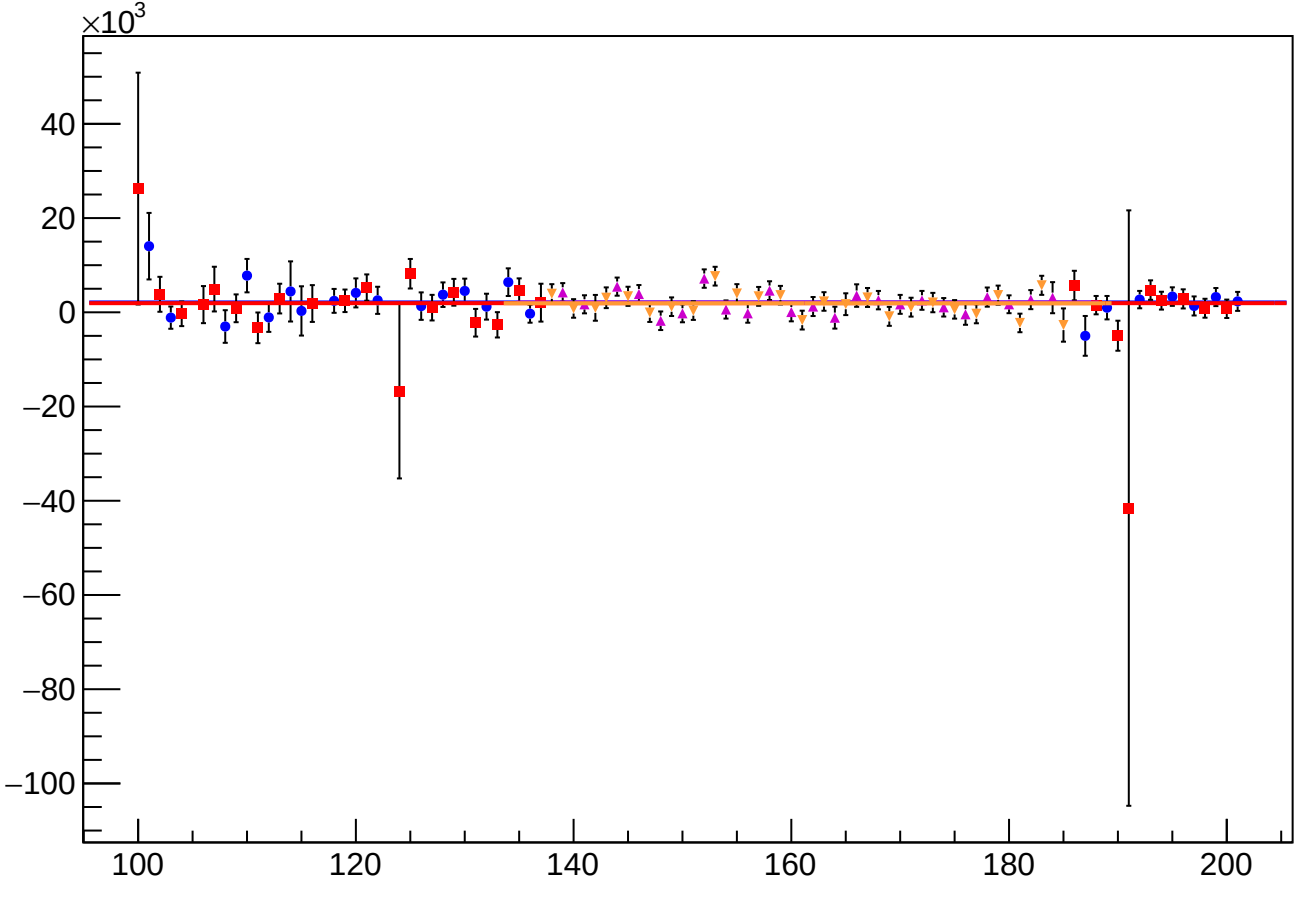
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 636.267+/-0.097 χ^2/NDF: 5150321.9/50

In: 519.501+/-0.074 χ^2/NDF:9771589.9/45

Out: 494.640+/-0.070 χ^2/NDF:12203532.0/52

All: 506.355+/-0.051 χ^2/NDF: 22034990.9/98



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: 1938.211+/-529.287 χ^2/NDF: 27.8/27

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

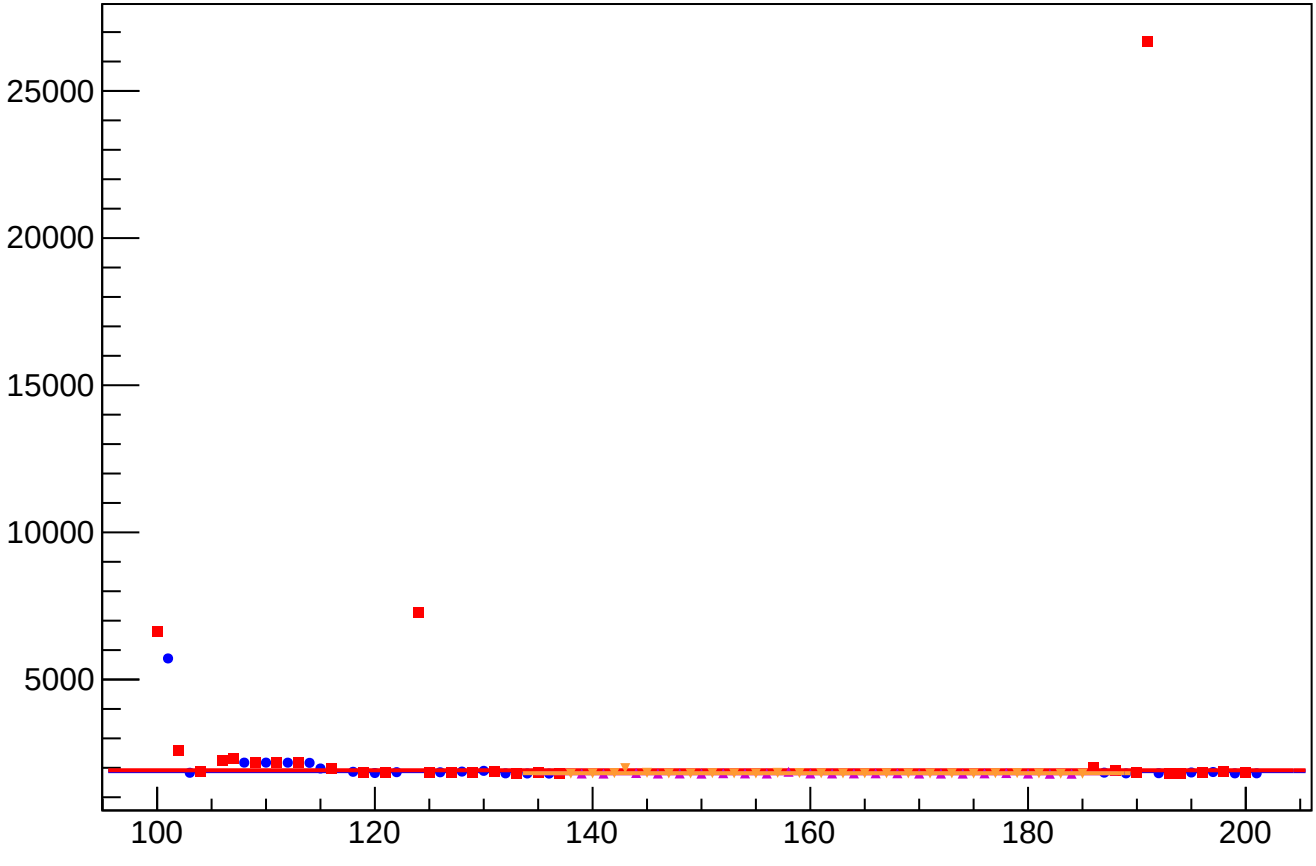
Right: 2014.296+/-379.383 χ^2/NDF: 48.3/50

In: 2081.991+/-334.046 χ^2/NDF:47.0/45

Out: 1927.256+/-325.563 χ^2/NDF:60.4/52

All: 2002.633+/-233.149 χ^2/NDF: 107.5/98

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: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

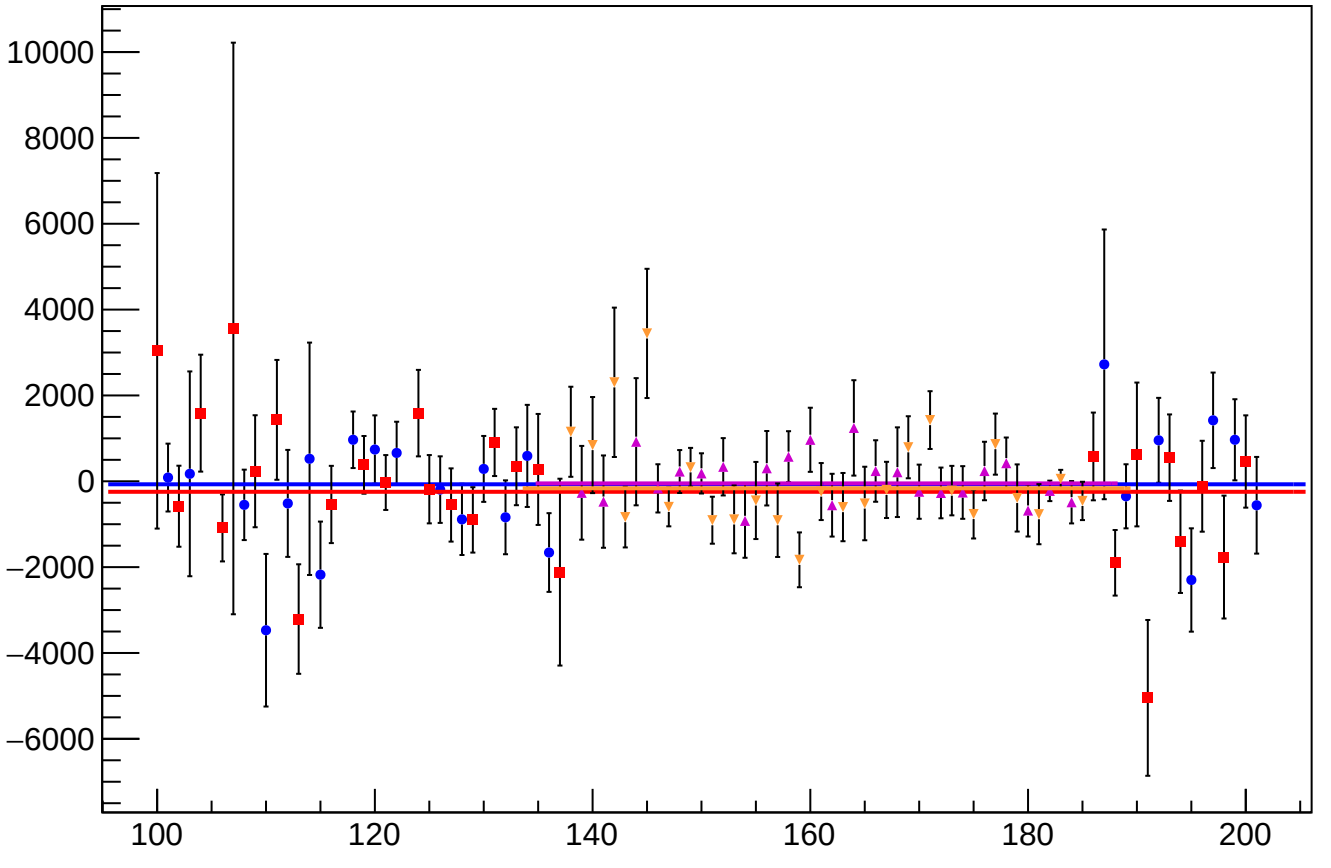
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1902.342+/-0.268 χ^2/NDF: 1388820.0/50

In: 1840.526+/-0.236 χ^2/NDF:684918.4/45

Out: 1855.190+/-0.230 χ^2/NDF:782860.1/52

All: 1848.046+/-0.165 χ^2/NDF: 1469755.2/98



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: -244.772+/-190.426 χ^2/NDF: 35.6/27

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

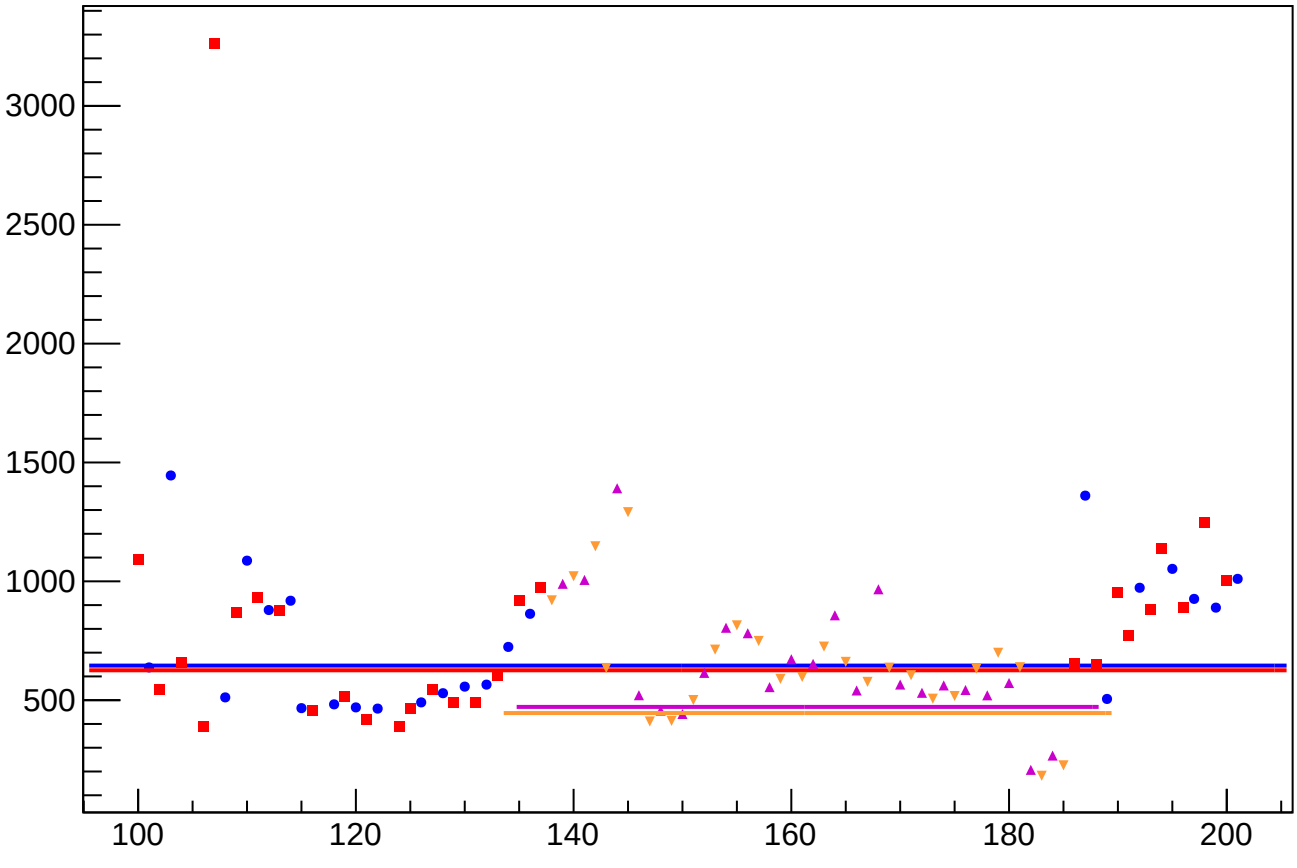
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -161.358+/-137.693 χ^2/NDF: 61.6/50

In: -54.983+/-104.487 χ^2/NDF:36.9/45

Out: -184.869+/-98.624 χ^2/NDF:72.5/52

All: -123.672+/-71.721 χ^2/NDF: 110.3/98



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: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

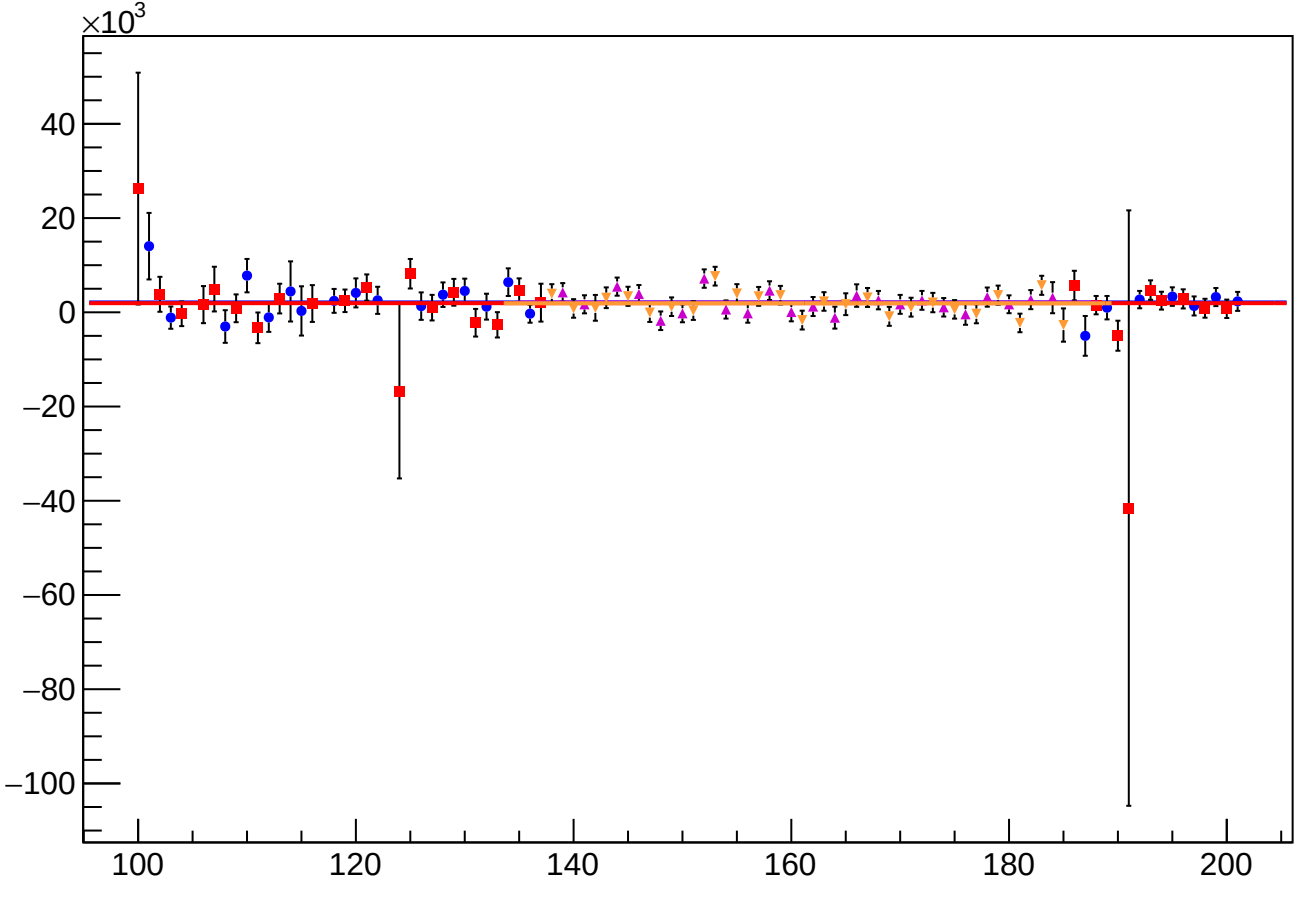
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 635.173+/-0.097 χ^2/NDF: 5201113.0/50

In: 519.497+/-0.074 χ^2/NDF:9770483.1/45

Out: 494.116+/-0.070 χ^2/NDF:12225777.8/52

All: 506.074+/-0.051 χ^2/NDF: 22058673.3/98



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: 1938.211+/-529.287 χ^2/NDF: 27.8/27

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

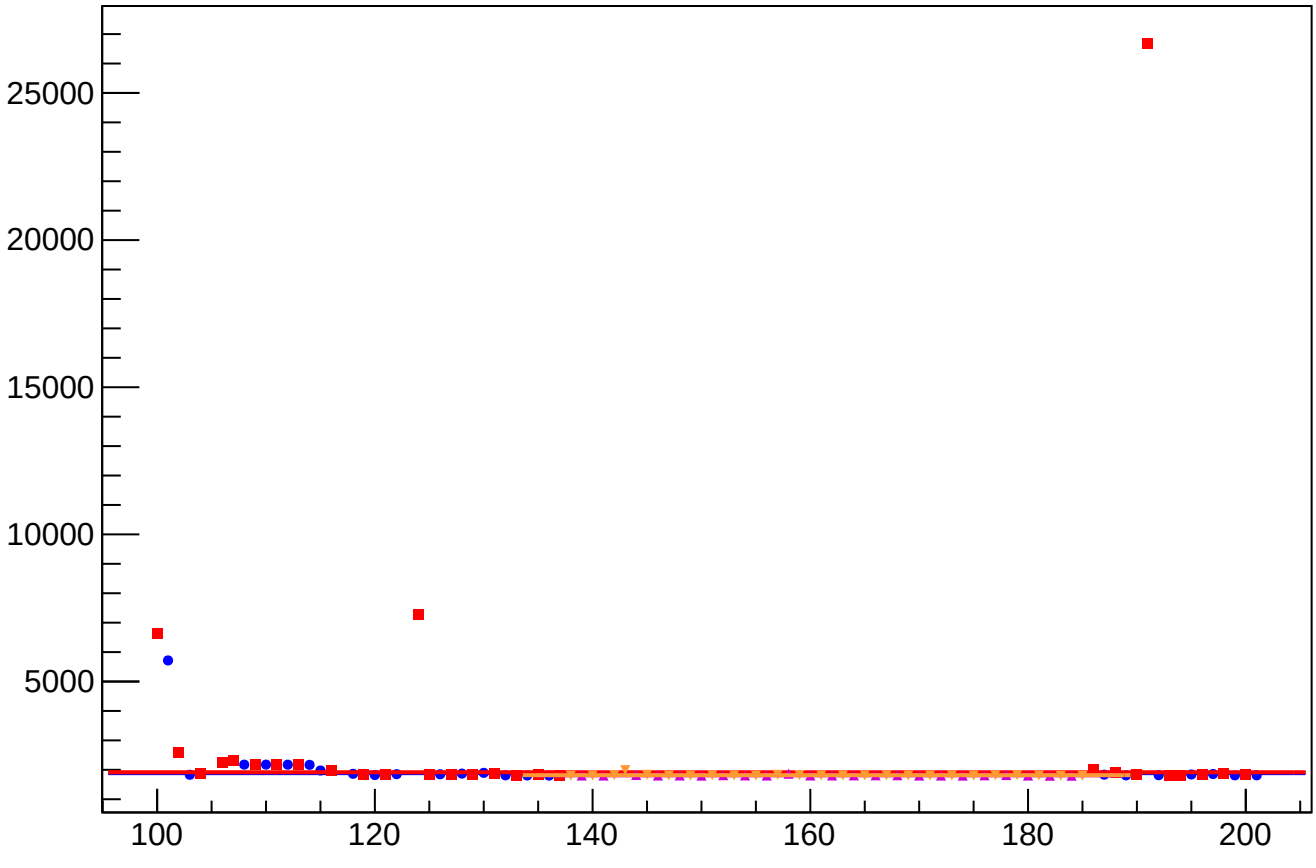
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2014.296+/-379.383 χ^2/NDF: 48.3/50

In: 2081.991+/-334.046 χ^2/NDF:47.0/45

Out: 1927.256+/-325.563 χ^2/NDF:60.4/52

All: 2002.633+/-233.149 χ^2/NDF: 107.5/98



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: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

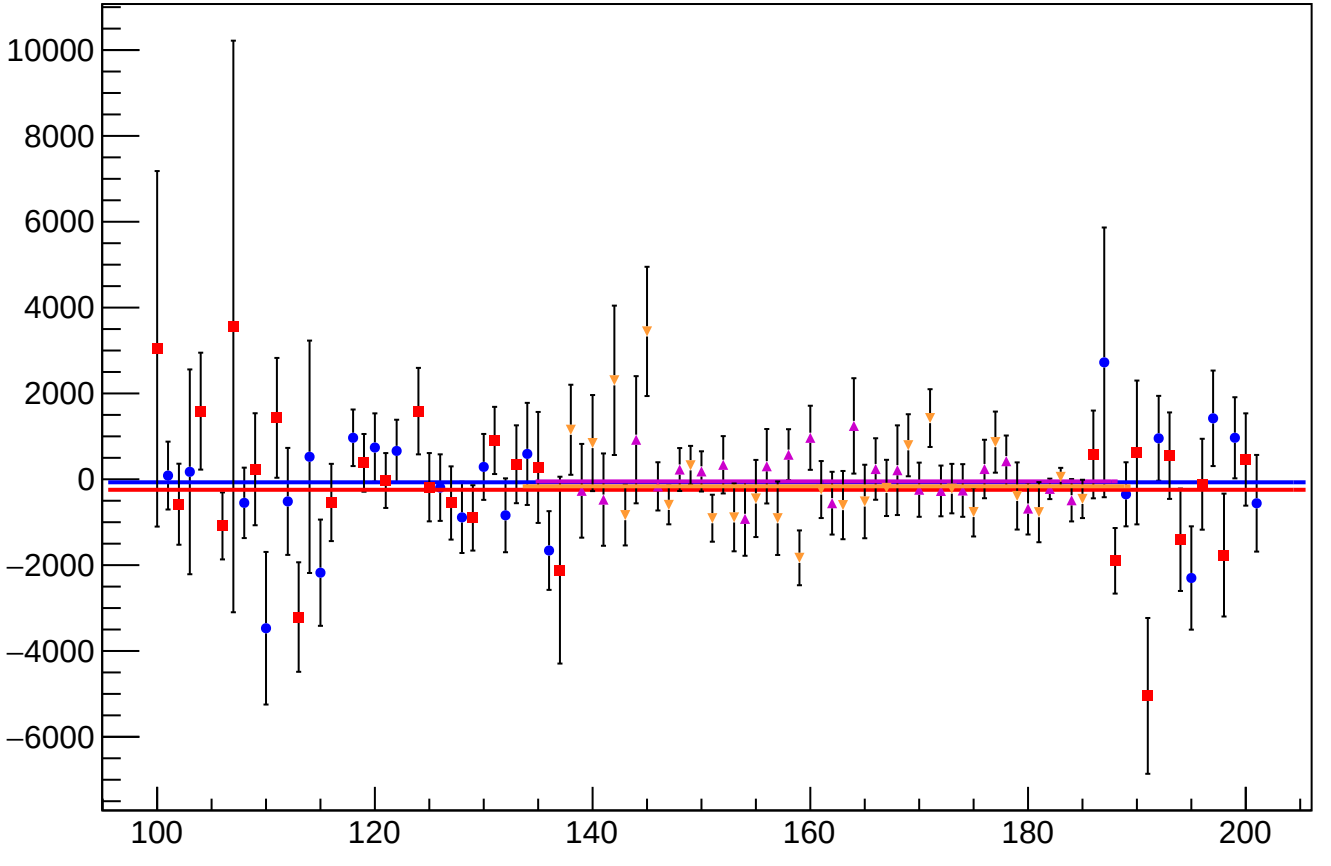
Right: 1902.342+/-0.268 χ^2/NDF: 1388820.0/50

In: 1840.526+/-0.236 χ^2/NDF:684918.4/45

Out: 1855.190+/-0.230 χ^2/NDF:782860.1/52

All: 1848.046+/-0.165 χ^2/NDF: 1469755.2/98

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: -244.772+/-190.426 χ^2/NDF: 35.6/27

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

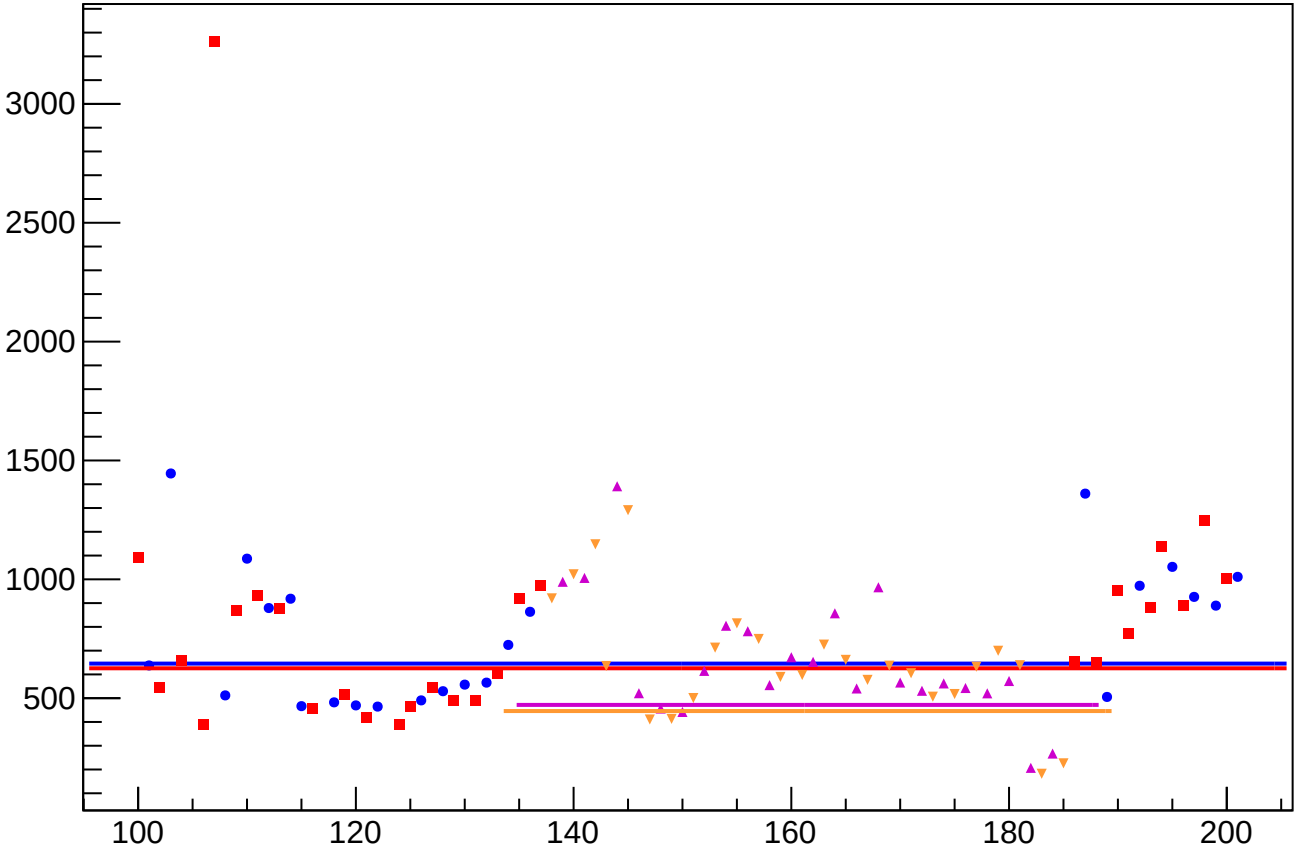
Right: -161.358+/-137.693 χ^2/NDF: 61.6/50

In: -54.983+/-104.487 χ^2/NDF:36.9/45

Out: -184.869+/-98.624 χ^2/NDF:72.5/52

All: -123.672+/-71.721 χ^2/NDF: 110.3/98

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

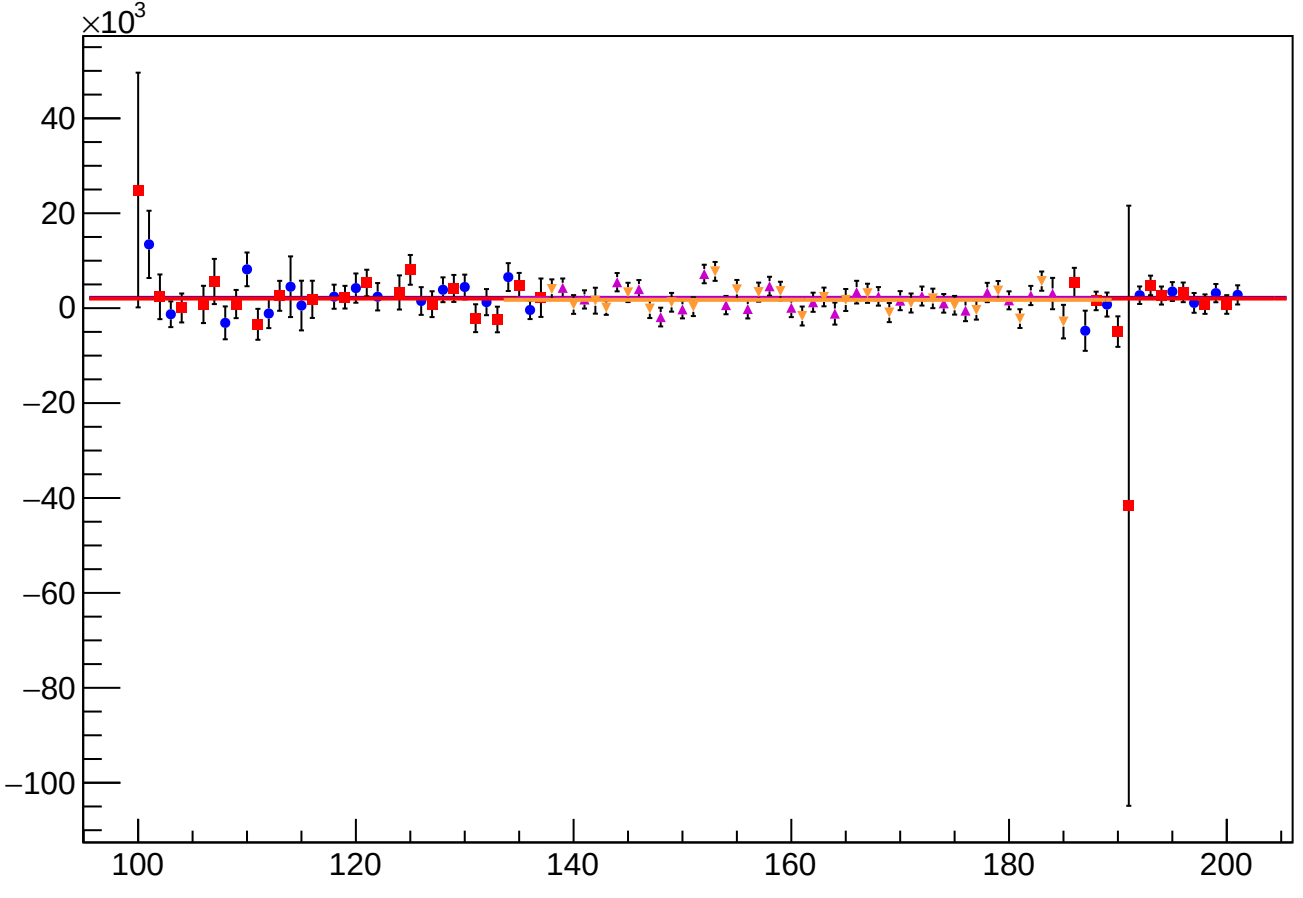
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 635.173+/-0.097 χ^2/NDF: 5201113.0/50

In: 519.497+/-0.074 χ^2/NDF:9770483.1/45

Out: 494.116+/-0.070 χ^2/NDF:12225777.8/52

All: 506.074+/-0.051 χ^2/NDF: 22058673.3/98



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: 2026.118+/-531.248 χ^2/NDF: 26.1/27

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

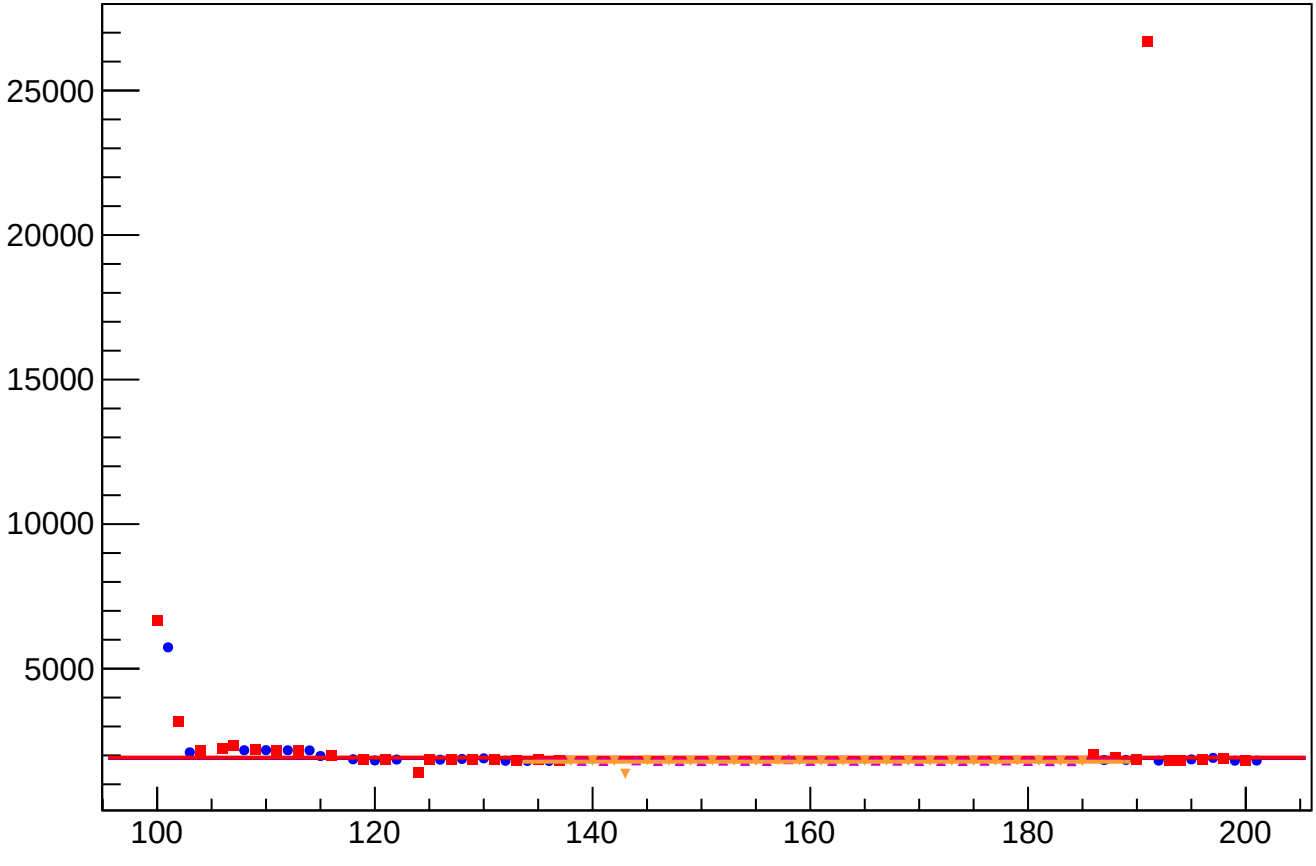
Right: 2095.316+/-382.306 χ^2/NDF: 46.8/50

In: 2109.217+/-335.760 χ^2/NDF:47.7/45

Out: 1855.089+/-322.282 χ^2/NDF:60.1/52

All: 1976.950+/-232.507 χ^2/NDF: 108.1/98

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1922.672+/-0.376 χ^2/NDF: 683054.1/27

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

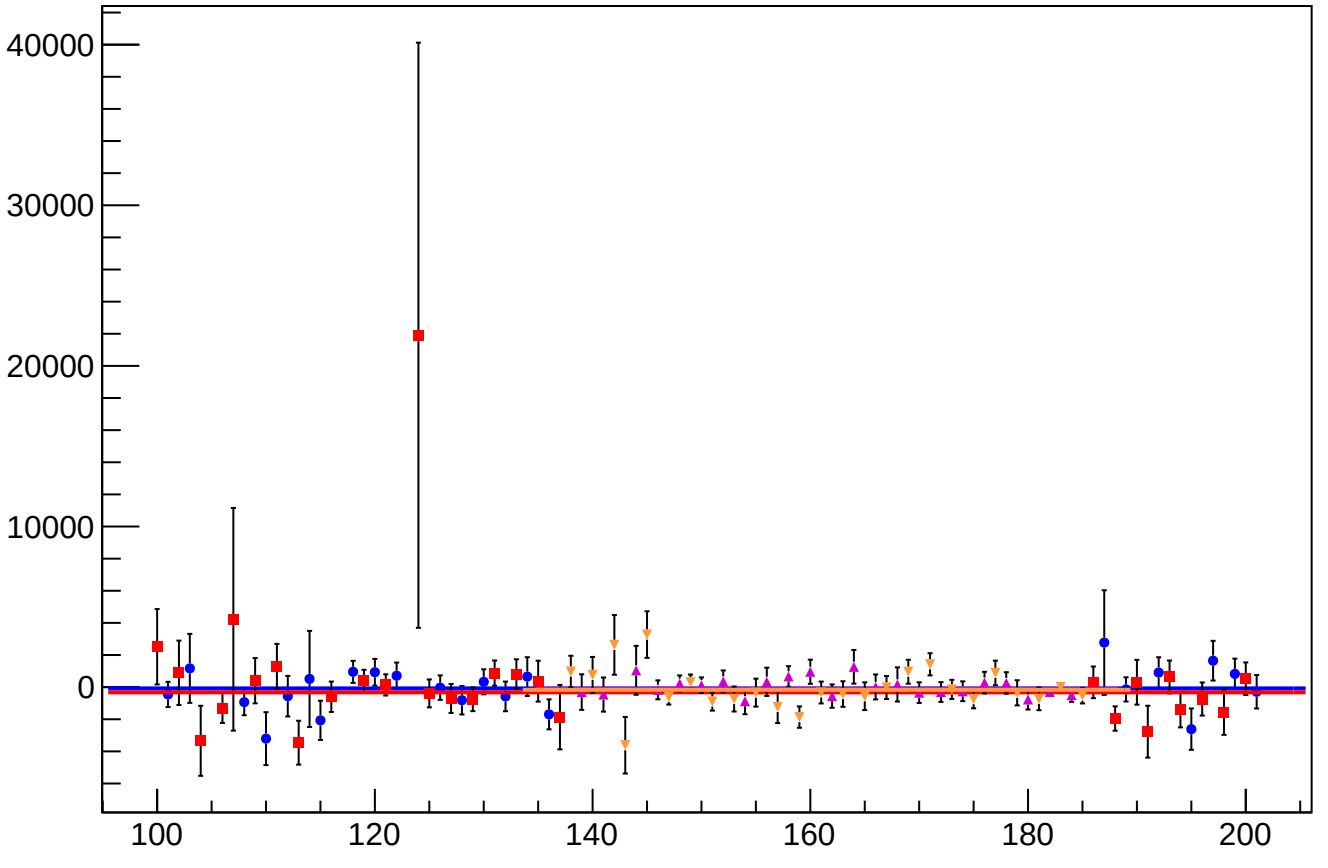
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1915.984+/-0.270 χ^2/NDF: 1350858.7/50

In: 1849.526+/-0.237 χ^2/NDF:706142.1/45

Out: 1833.084+/-0.228 χ^2/NDF:937989.9/52

All: 1840.968+/-0.164 χ^2/NDF: 1646628.2/98



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: -323.957+/-200.712 χ^2/NDF: 31.6/27

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

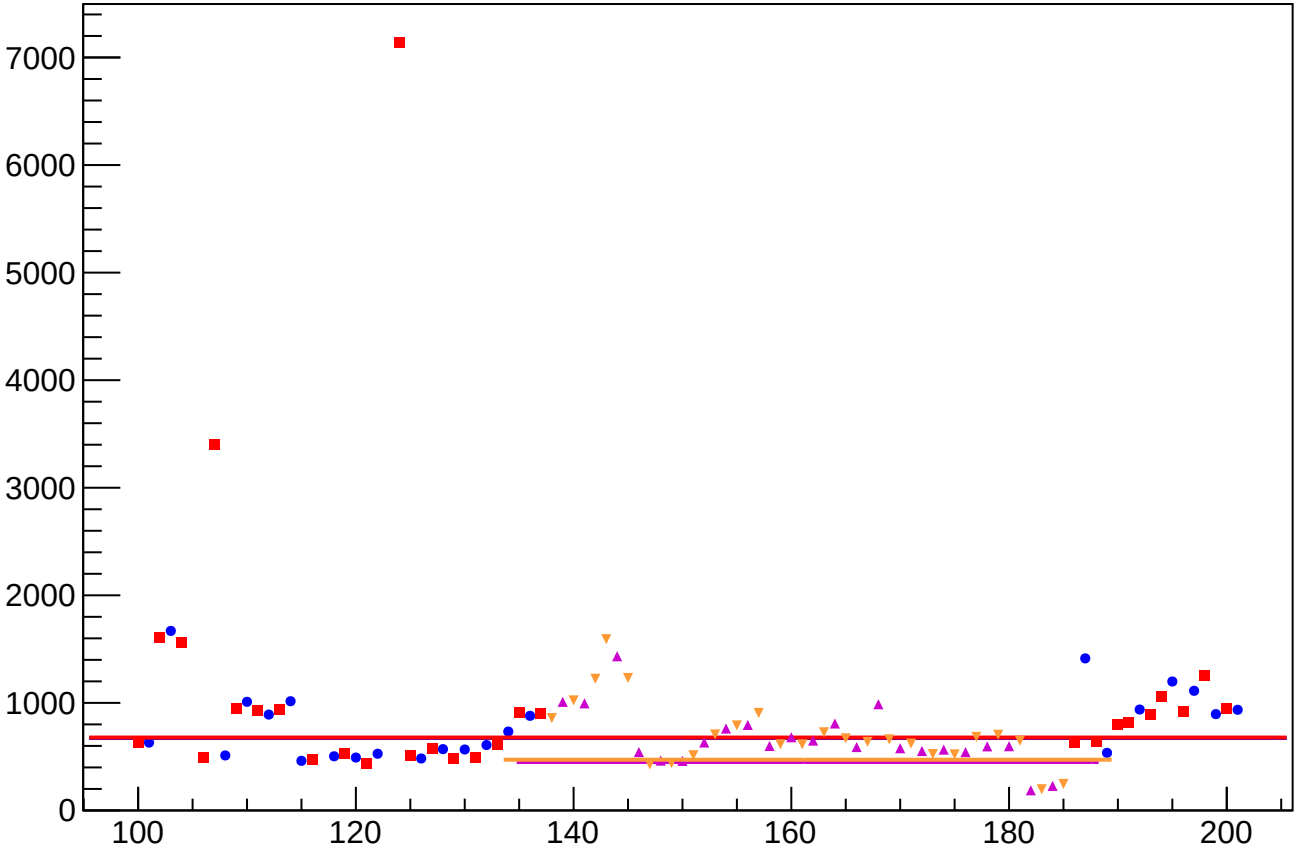
Right: -203.216+/-143.026 χ^2/NDF: 58.4/50

In: -107.317+/-103.268 χ^2/NDF:38.3/45

Out: -209.821+/-104.020 χ^2/NDF:70.4/52

All: -158.197+/-73.286 χ^2/NDF: 109.2/98

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: 677.709+/-0.142 χ^2/NDF: 3486762.0/27

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

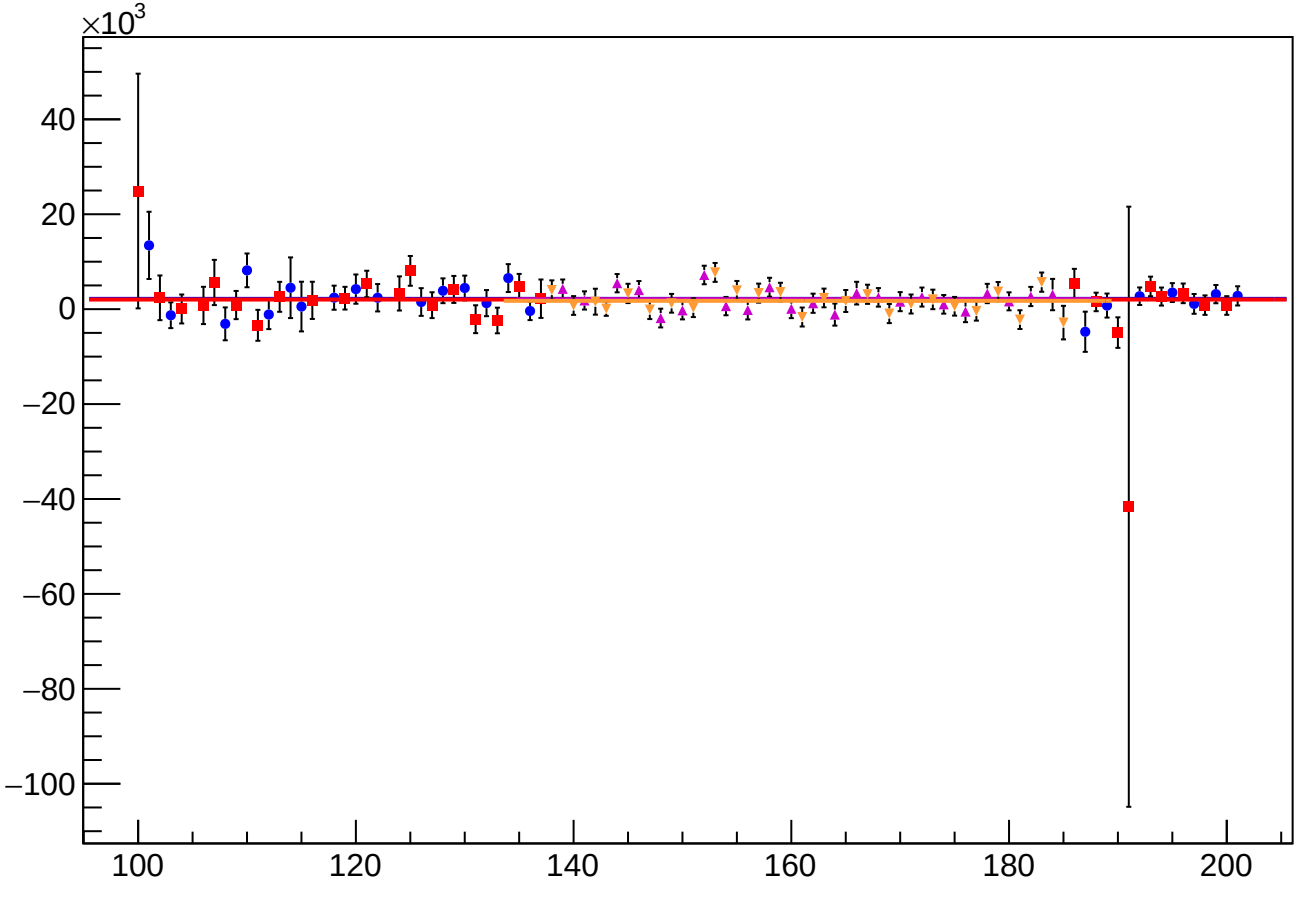
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 675.589+/-0.101 χ^2/NDF: 5961274.6/50

In: 507.809+/-0.073 χ^2/NDF:12177451.7/45

Out: 527.088+/-0.074 χ^2/NDF:13139331.0/52

All: 517.379+/-0.052 χ^2/NDF: 25351379.7/98



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: 2026.115+/-531.248 χ^2/NDF: 26.1/27

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

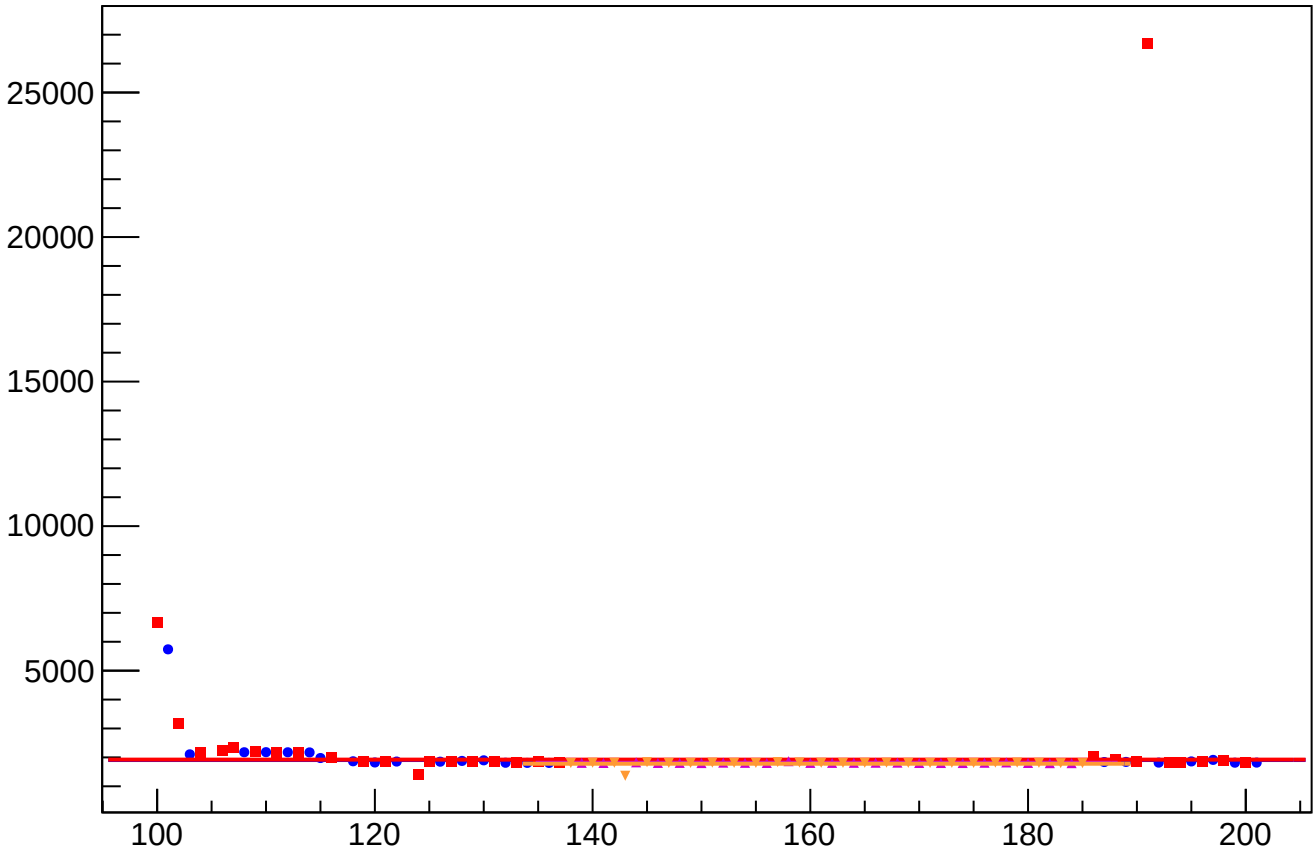
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2095.315+/-382.306 χ^2/NDF: 46.8/50

In: 2109.217+/-335.760 χ^2/NDF:47.7/45

Out: 1855.089+/-322.282 χ^2/NDF:60.1/52

All: 1976.950+/-232.507 χ^2/NDF: 108.1/98



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: 1922.672+/-0.376 χ^2/NDF: 683052.7/27

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

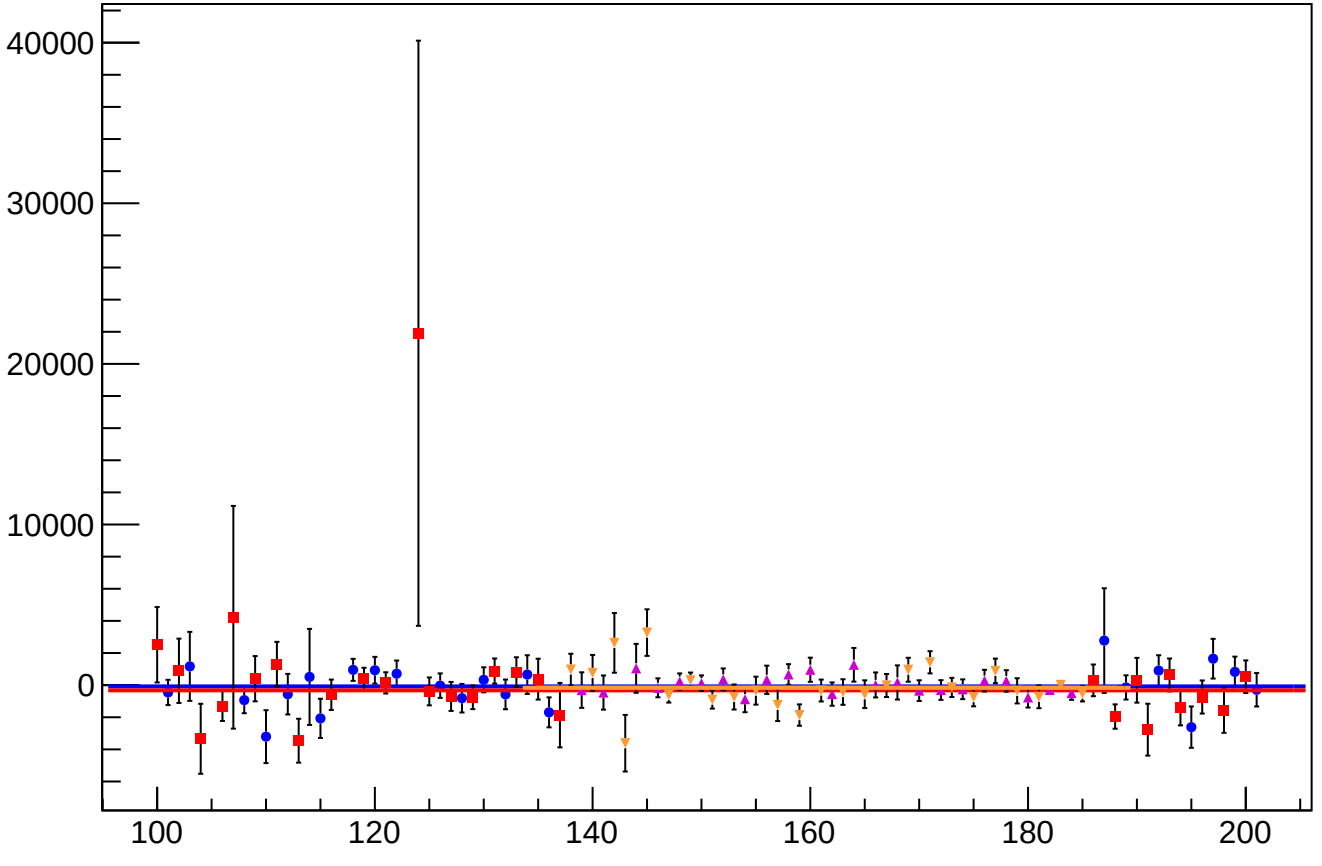
Right: 1915.983+/-0.270 χ^2/NDF: 1350857.0/50

In: 1849.526+/-0.237 χ^2/NDF:706141.6/45

Out: 1833.084+/-0.228 χ^2/NDF:937988.4/52

All: 1840.968+/-0.164 χ^2/NDF: 1646626.1/98

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: -323.957+/-200.712 χ^2/NDF: 31.6/27

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

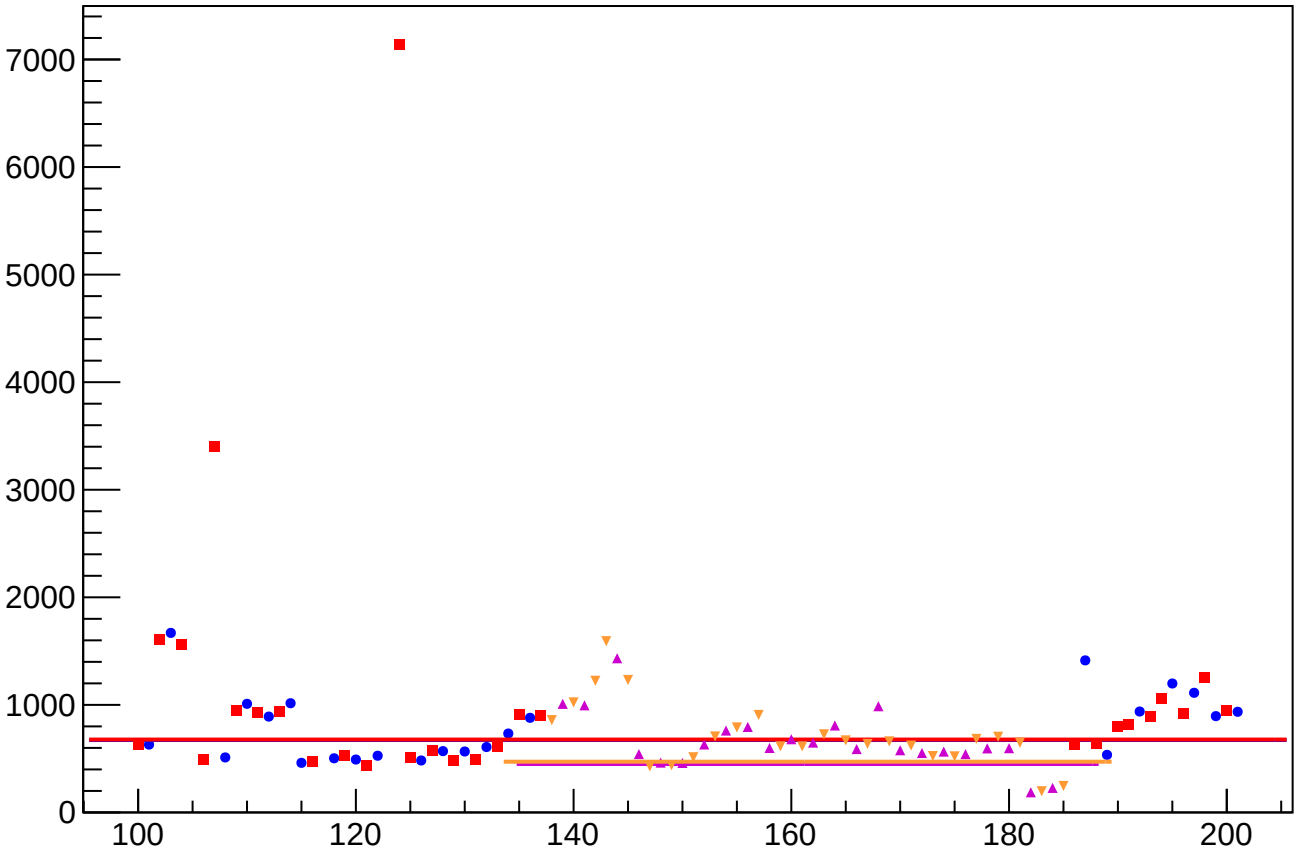
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -203.216+/-143.026 χ^2/NDF: 58.4/50

In: -107.318+/-103.268 χ^2/NDF:38.3/45

Out: -209.822+/-104.020 χ^2/NDF:70.4/52

All: -158.198+/-73.286 χ^2/NDF: 109.2/98



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: 677.709+/-0.142 χ^2/NDF: 3486780.3/27

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

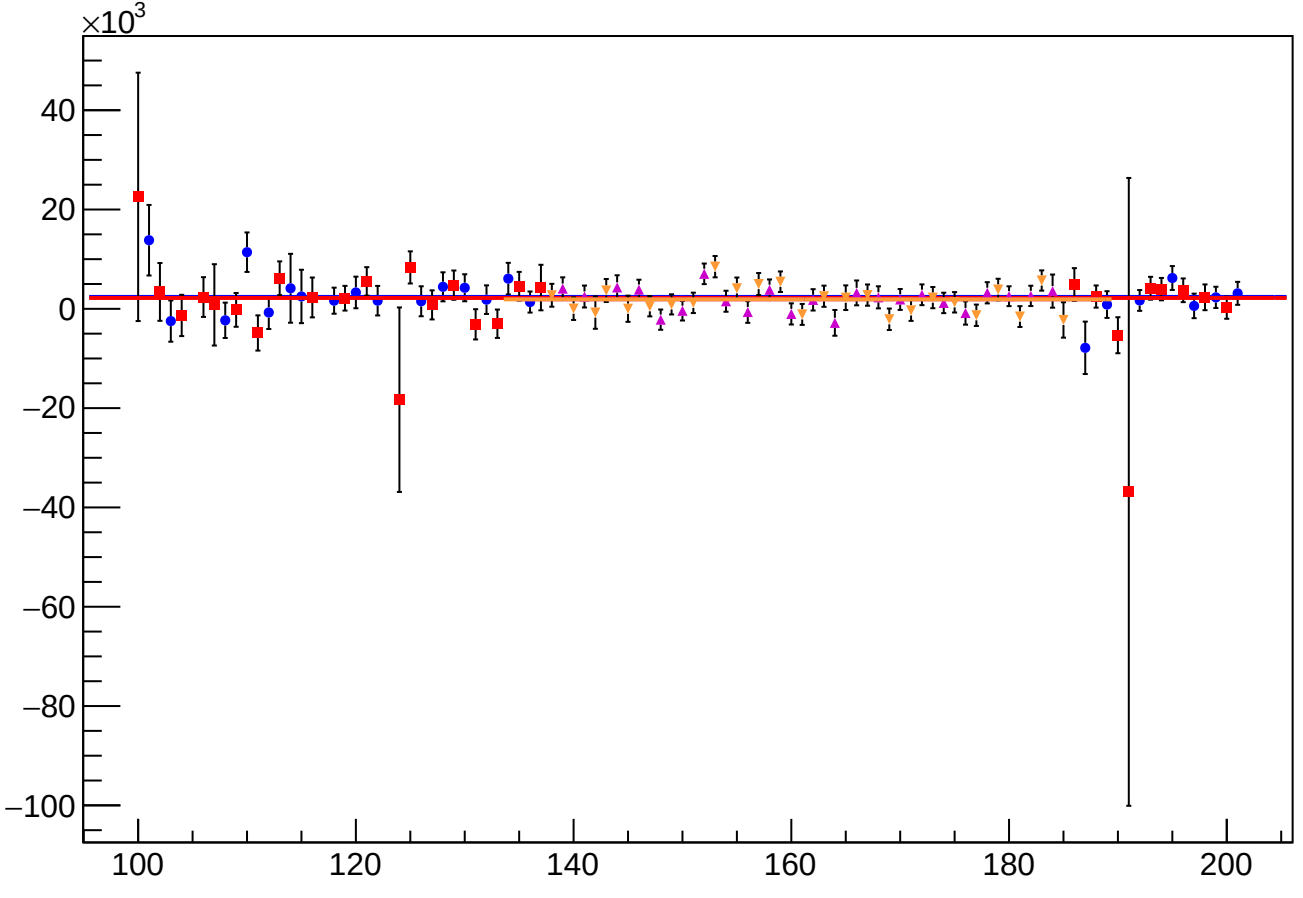
Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

Right: 675.589+/-0.101 χ^2/NDF: 5961310.2/50

In: 507.810+/-0.073 χ^2/NDF:12177428.1/45

Out: 527.088+/-0.074 χ^2/NDF:13139329.4/52

All: 517.379+/-0.052 χ^2/NDF: 25351353.7/98



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: 2192.011+/-600.792 χ^2/NDF: 29.5/27

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

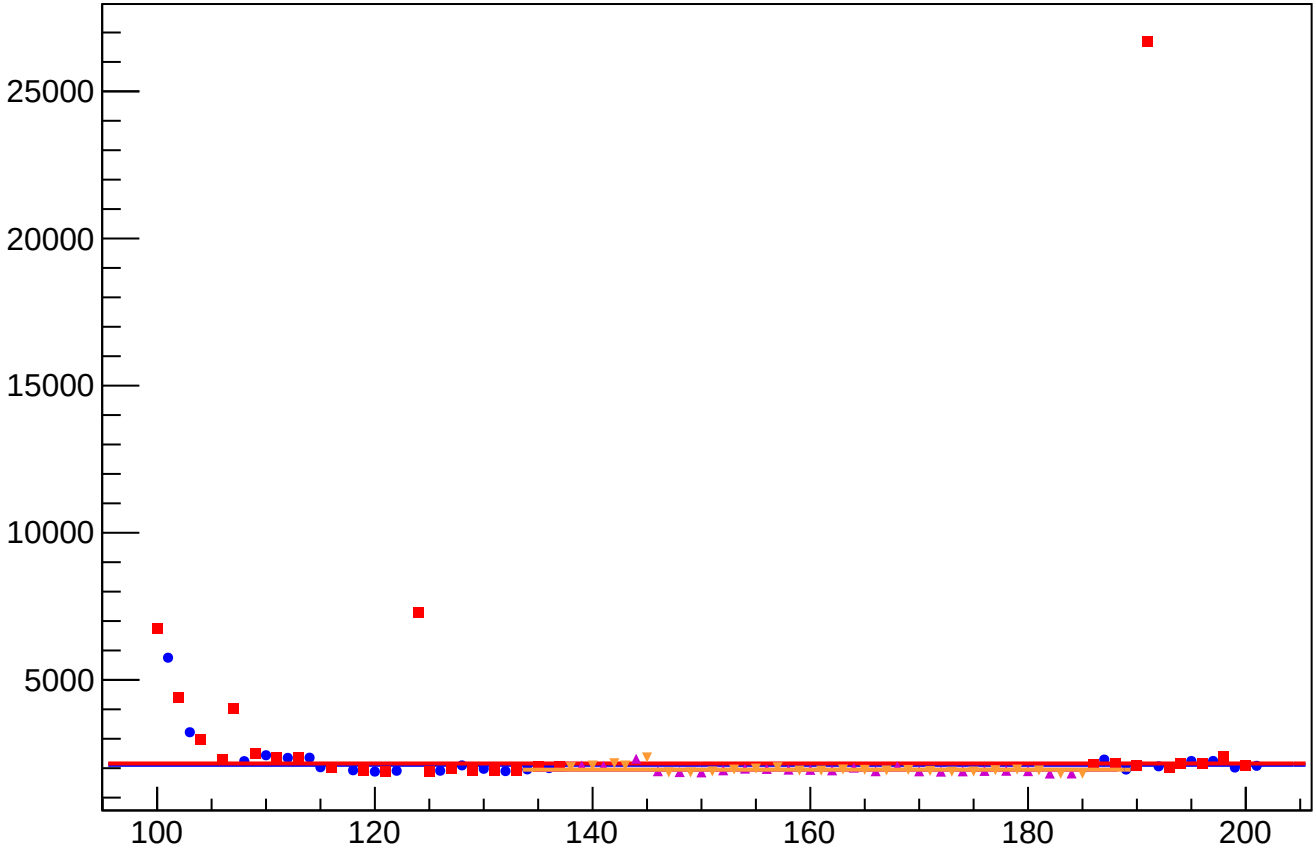
Right: 2289.884+/-428.729 χ^2/NDF: 51.6/50

In: 2091.999+/-365.078 χ^2/NDF:47.1/45

Out: 2007.775+/-356.824 χ^2/NDF:66.0/52

All: 2048.924+/-255.181 χ^2/NDF: 113.1/98

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: 2160.374+/-0.425 χ^2/NDF: 1154154.4/27

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

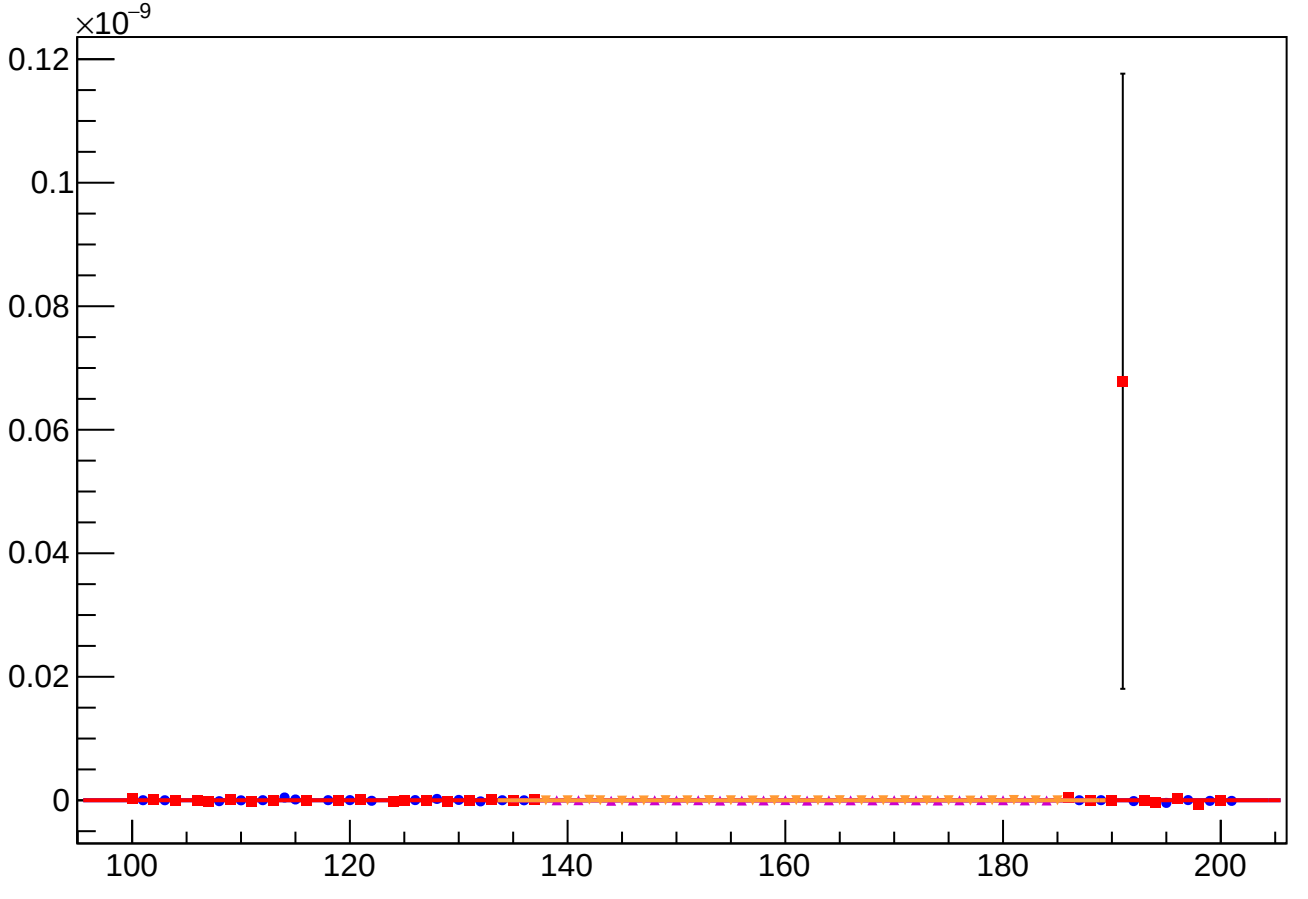
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2137.740+/-0.303 χ^2/NDF: 1946122.3/50

In: 2005.316+/-0.258 χ^2/NDF:980519.7/45

Out: 2023.562+/-0.252 χ^2/NDF:1422913.6/52

All: 2014.648+/-0.180 χ^2/NDF: 2405988.3/98



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: 29.2/27

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

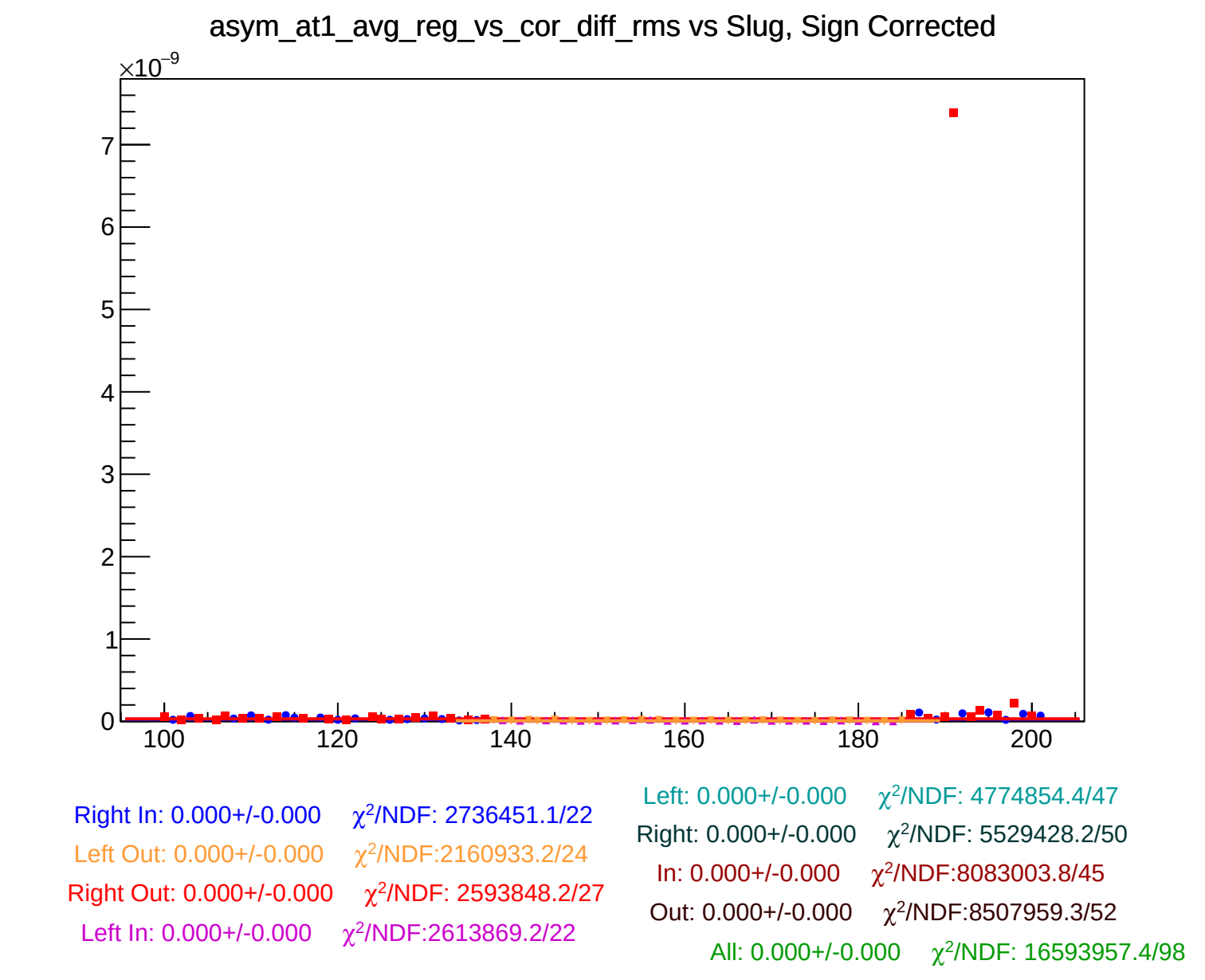
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 53.0/50

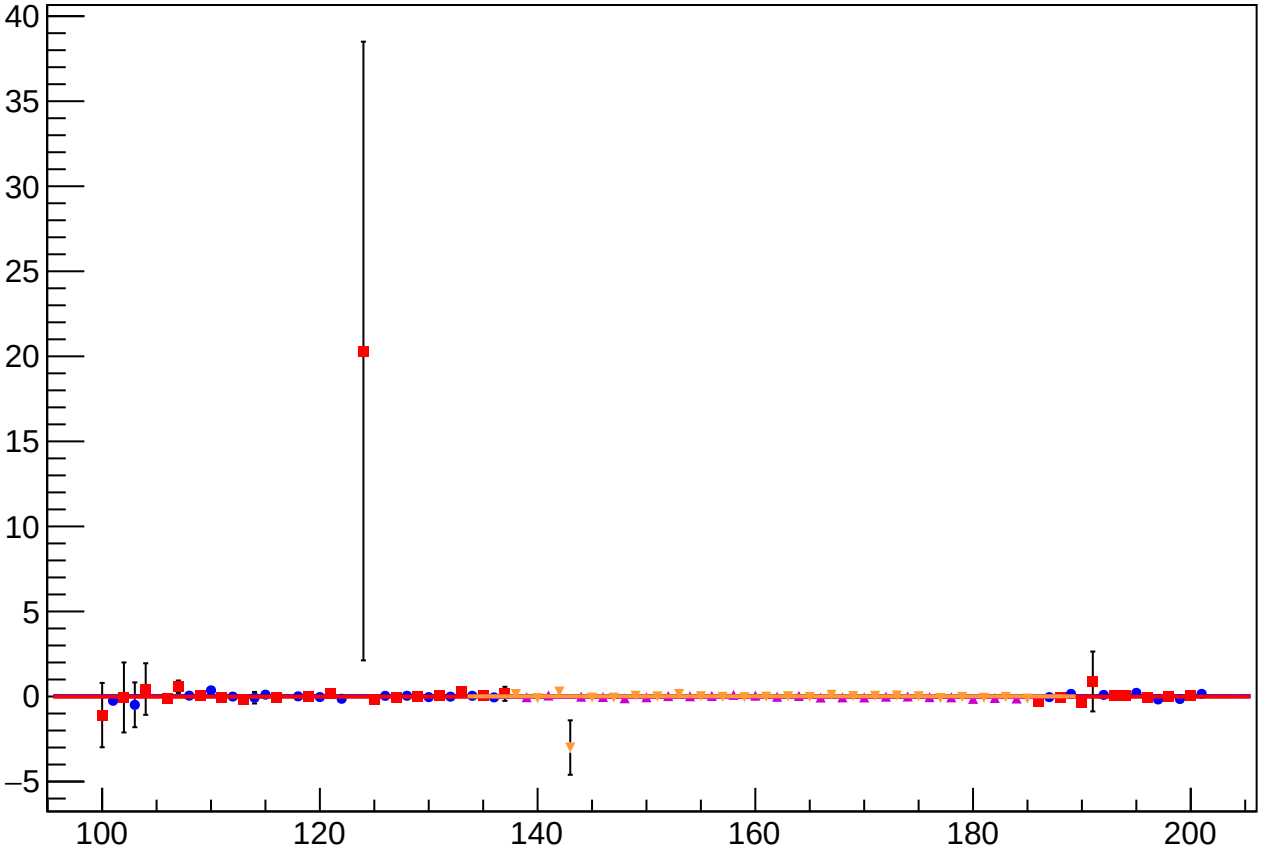
In: -0.000+/-0.000 χ^2/NDF:55.6/45

Out: 0.000+/-0.000 χ^2/NDF:58.4/52

All: -0.000+/-0.000 χ^2/NDF: 114.6/98


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: 2593848.2/27
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: 5529428.2/50
In: 0.000+/-0.000 χ²/NDF:8083003.8/45
Out: 0.000+/-0.000 χ²/NDF:8507959.3/52
All: 0.000+/-0.000 χ²/NDF: 16593957.4/98

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: -0.012+/-0.022 χ^2/NDF: 24.0/27

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

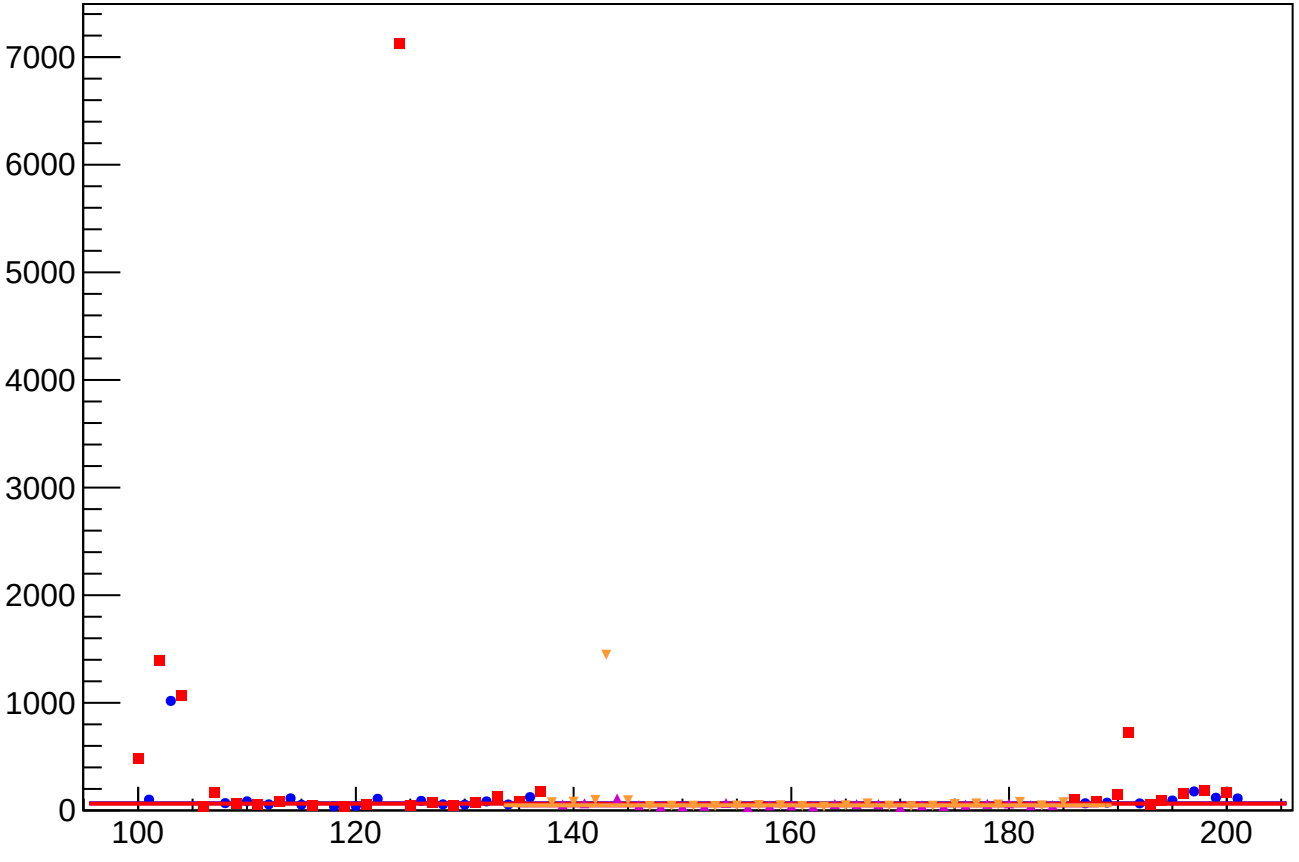
Right: 0.005+/-0.016 χ^2/NDF: 45.1/50

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 98.0/98

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: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

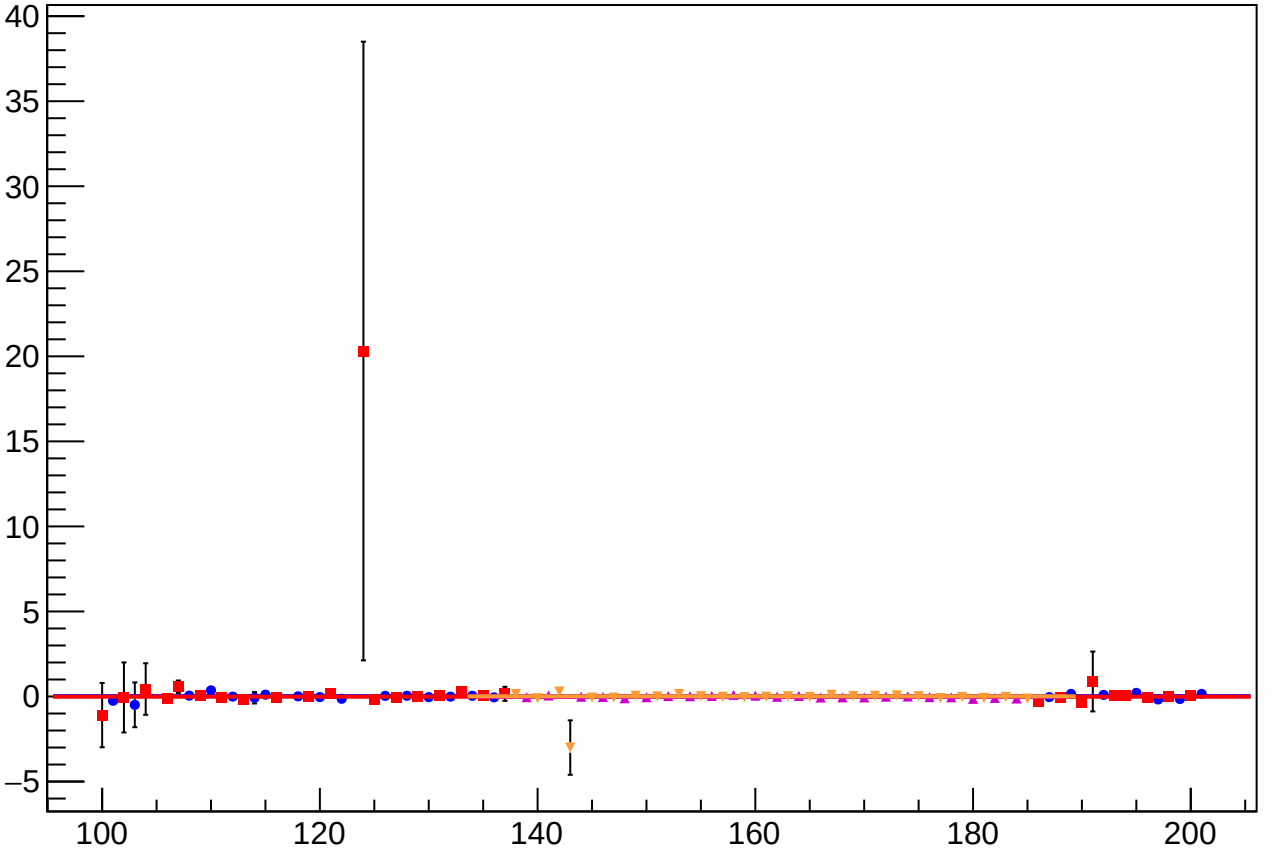
Right: 65.012+/-0.011 χ^2/NDF: 9901862.4/50

In: 51.184+/-0.008 χ^2/NDF:6878429.3/45

Out: 51.623+/-0.008 χ^2/NDF:10362687.7/52

All: 51.403+/-0.005 χ^2/NDF: 17242757.2/98

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: -0.012+/-0.022 χ^2/NDF: 24.0/27

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

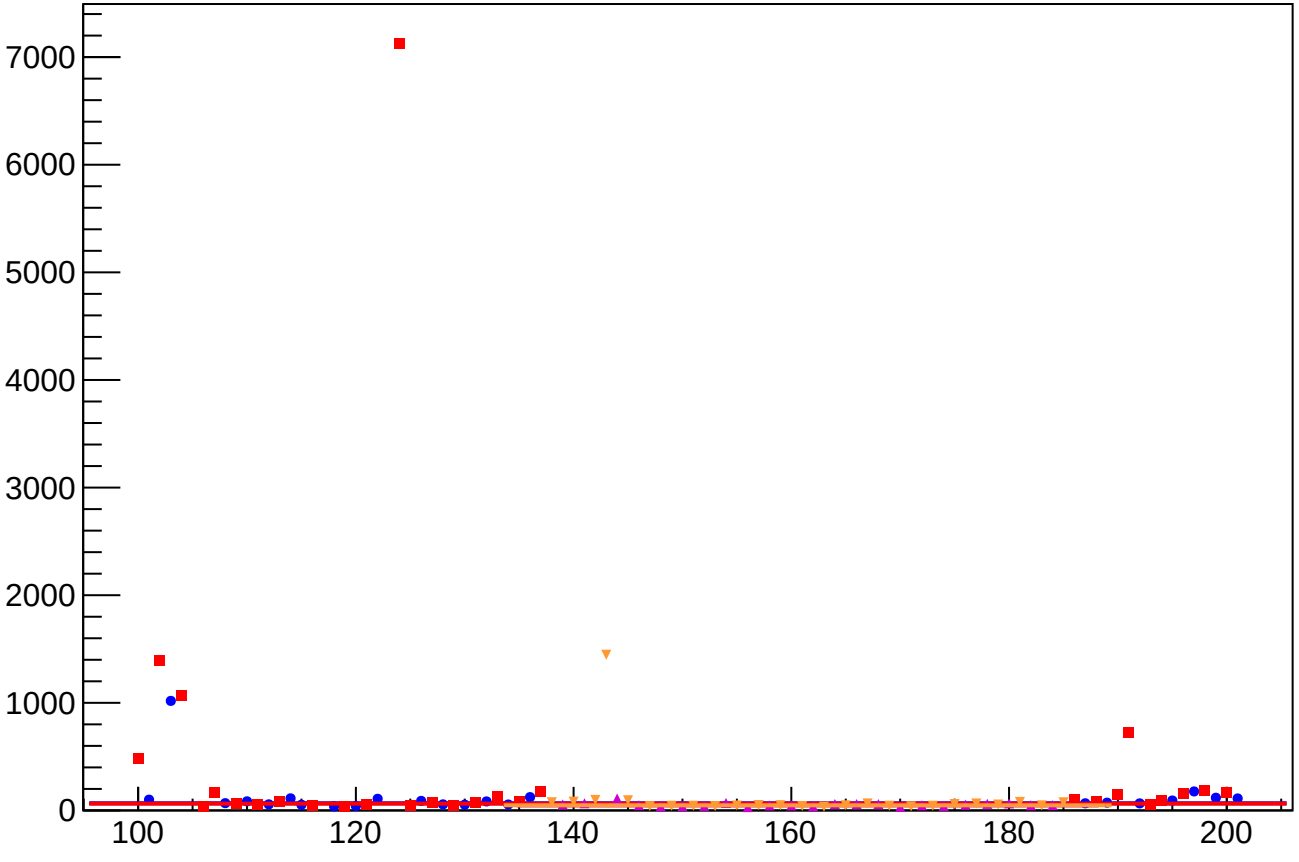
Right: 0.005+/-0.016 χ^2/NDF: 45.1/50

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 98.0/98

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: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

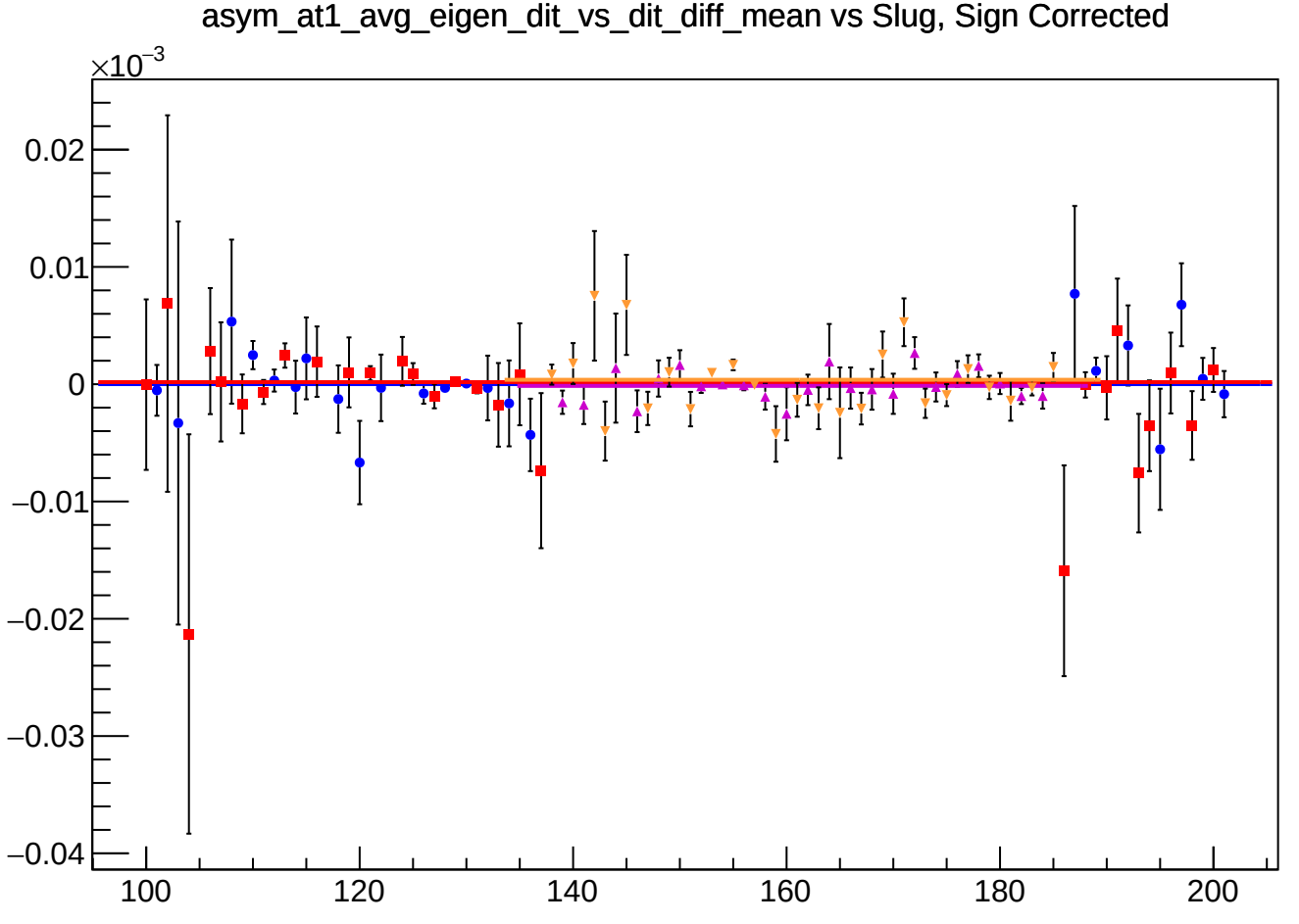
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.012+/-0.011 χ^2/NDF: 9901862.4/50

In: 51.184+/-0.008 χ^2/NDF:6878429.3/45

Out: 51.623+/-0.008 χ^2/NDF:10362687.7/52

All: 51.403+/-0.005 χ^2/NDF: 17242757.2/98



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: 25.2/27

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

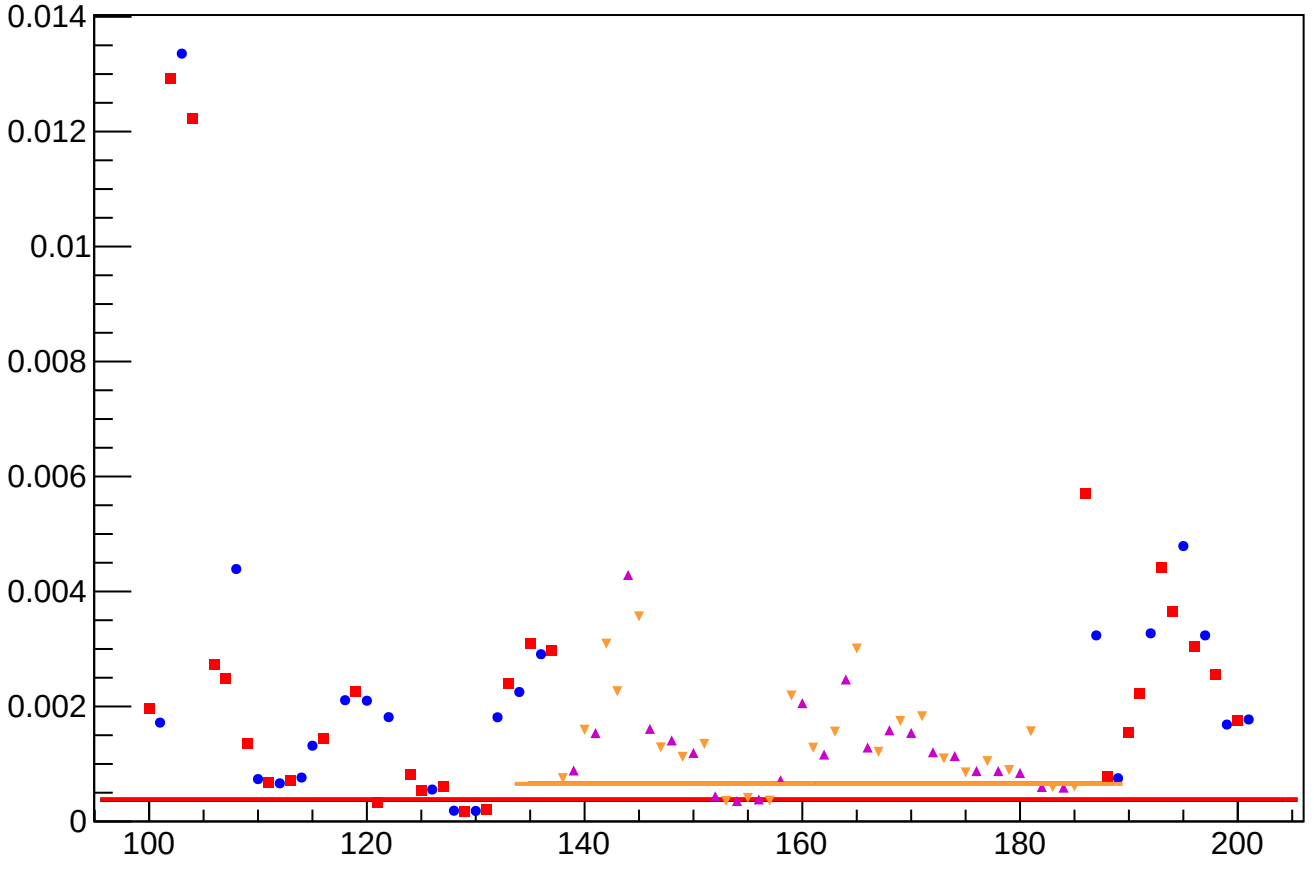
Right: 0.000+/-0.000 χ^2/NDF: 46.6/50

In: -0.000+/-0.000 χ^2/NDF:41.2/45

Out: 0.000+/-0.000 χ^2/NDF:77.5/52

All: 0.000+/-0.000 χ^2/NDF: 122.2/98

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: 15995753.2/27

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

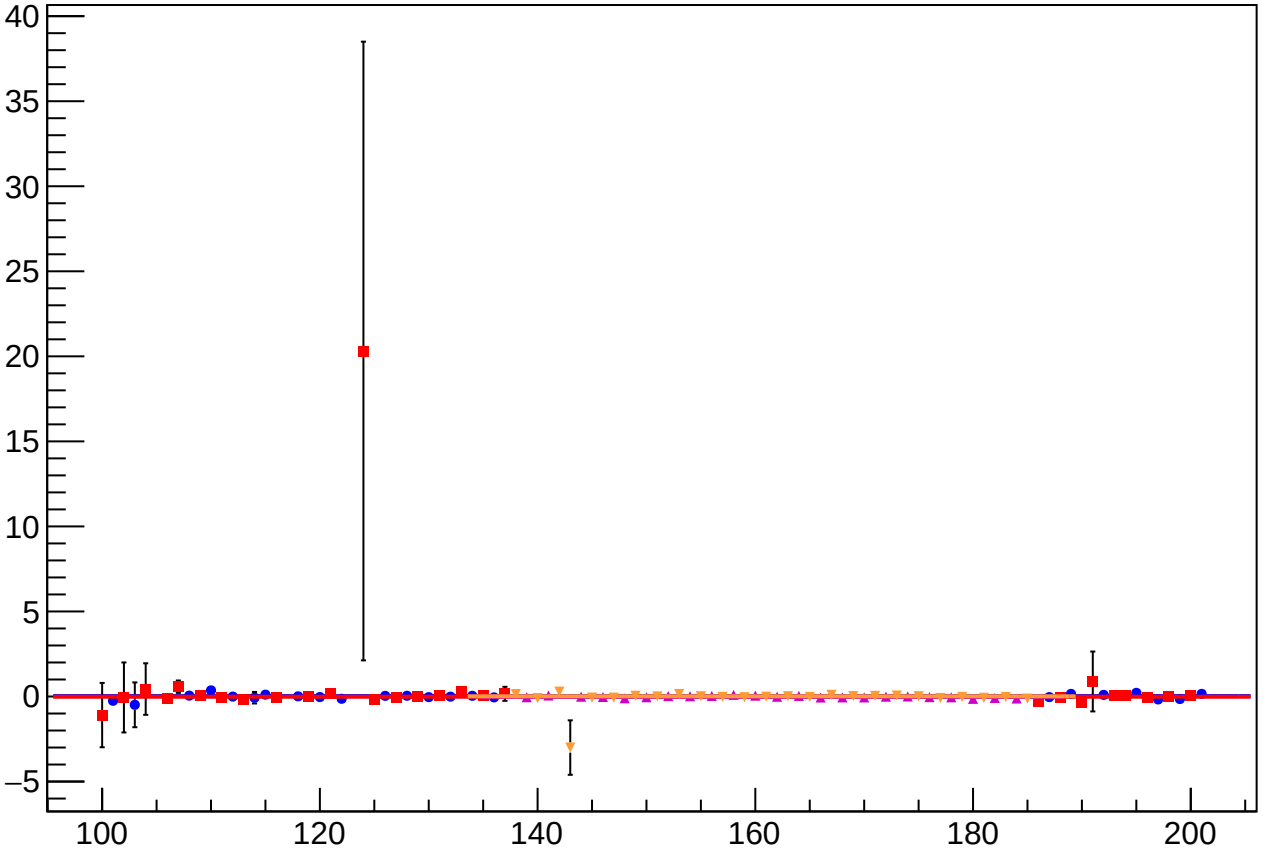
Right: 0.000+/-0.000 χ^2/NDF: 31802105.0/50

In: 0.001+/-0.000 χ^2/NDF:27820314.7/45

Out: 0.001+/-0.000 χ^2/NDF:30148980.9/52

All: 0.001+/-0.000 χ^2/NDF: 57971712.6/98

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: -0.012+/-0.022 χ^2/NDF: 24.0/27

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

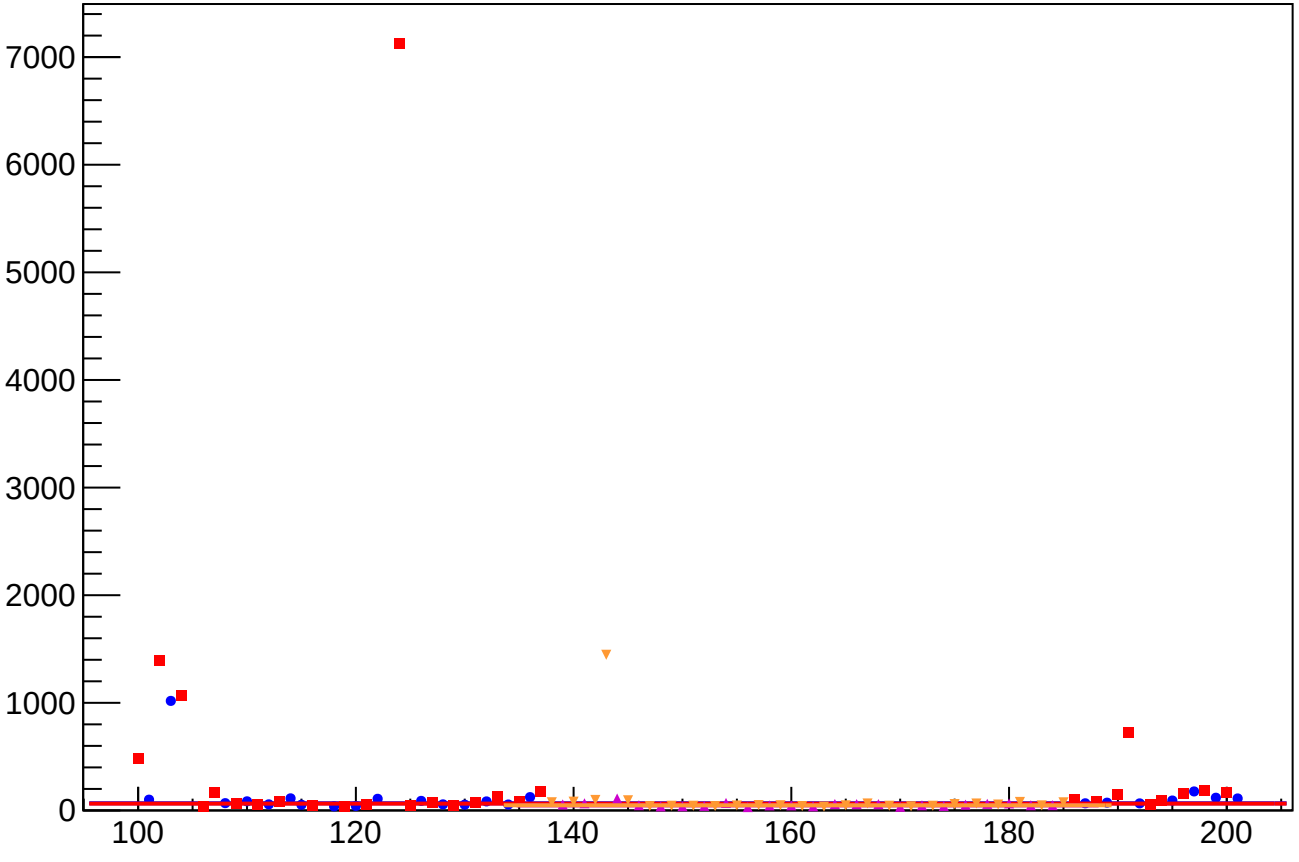
Right: 0.005+/-0.016 χ^2/NDF: 45.1/50

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 98.0/98

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: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

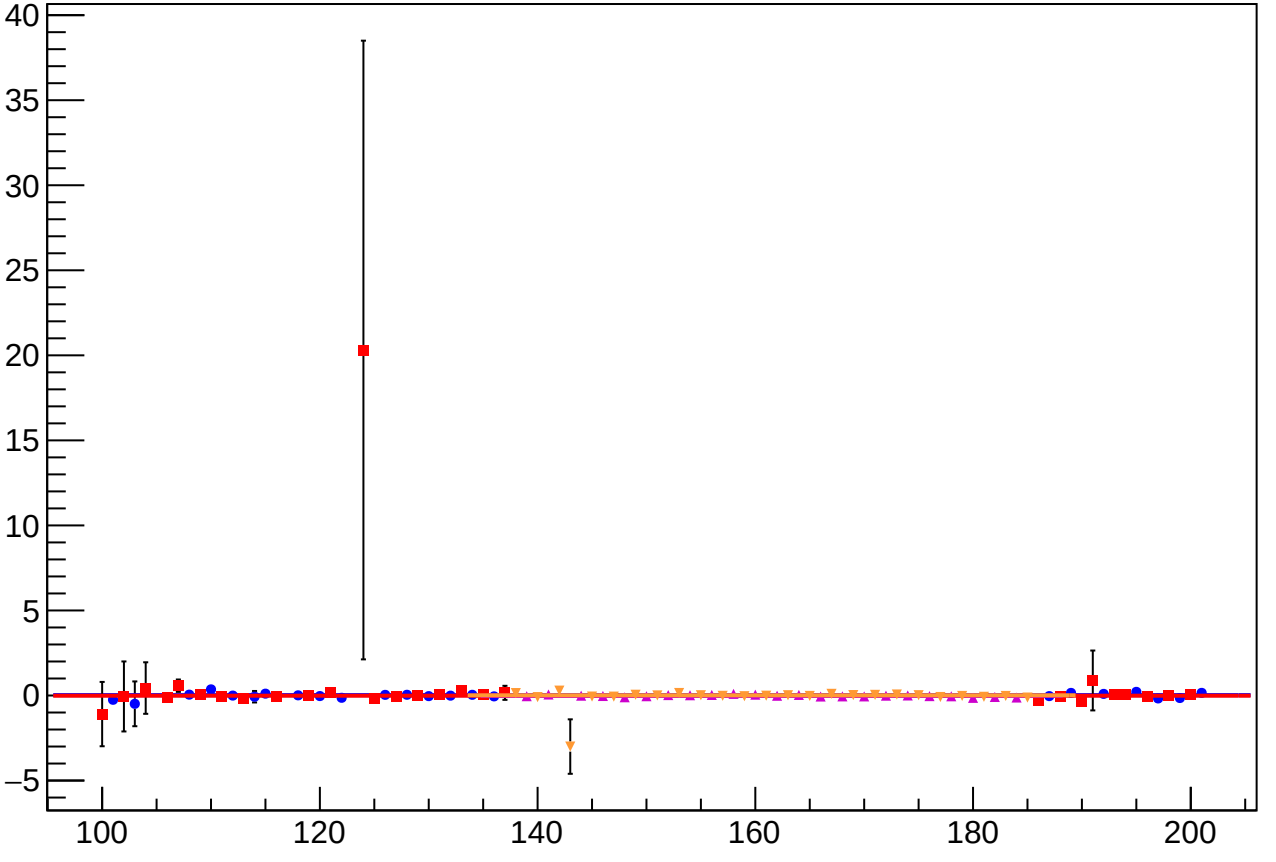
Right: 65.012+/-0.011 χ^2/NDF: 9902070.6/50

In: 51.184+/-0.008 χ^2/NDF:6878461.5/45

Out: 51.623+/-0.008 χ^2/NDF:10362701.9/52

All: 51.403+/-0.005 χ^2/NDF: 17242803.6/98

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: -0.012+/-0.022 χ^2/NDF: 24.0/27

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

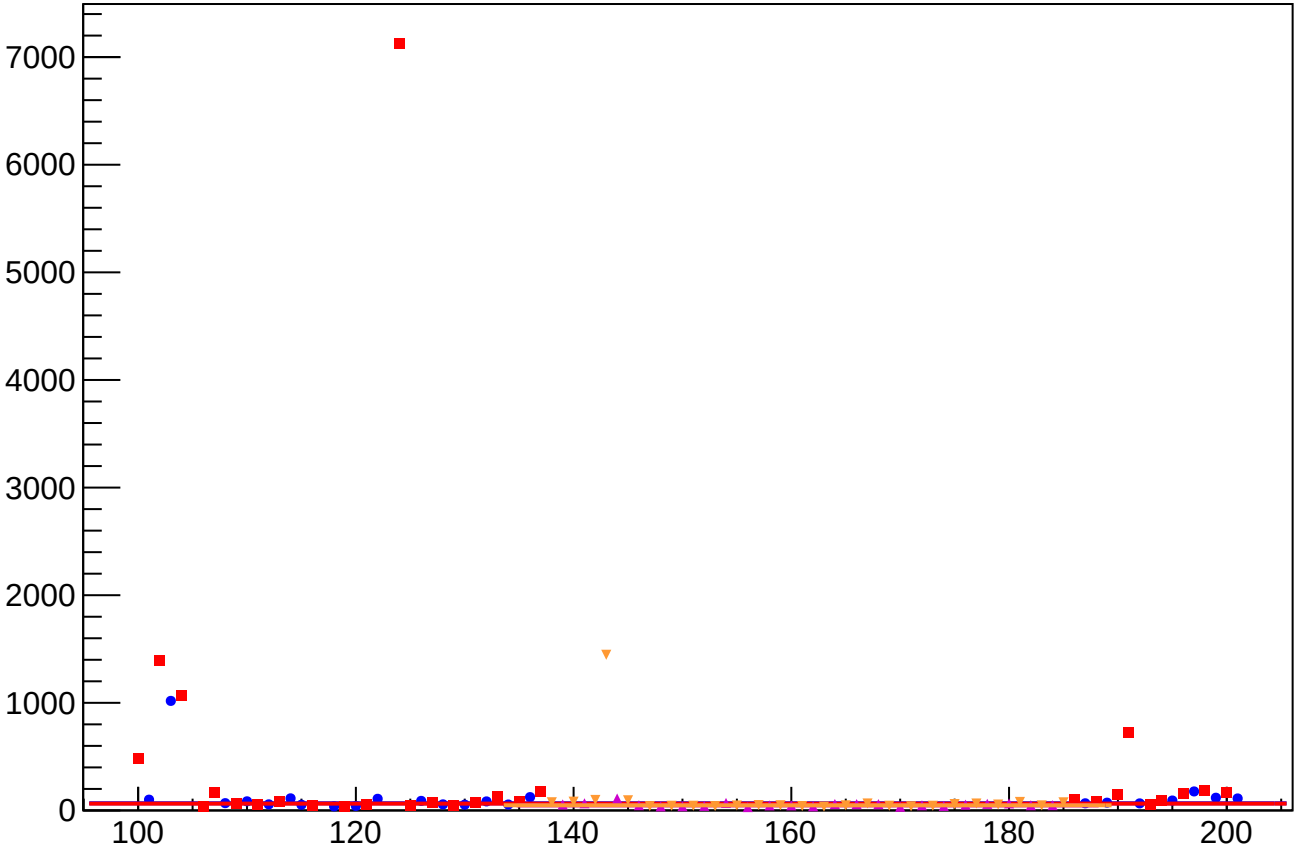
Right: 0.005+/-0.016 χ^2/NDF: 45.1/50

In: -0.009+/-0.011 χ^2/NDF:42.6/45

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 98.0/98

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: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

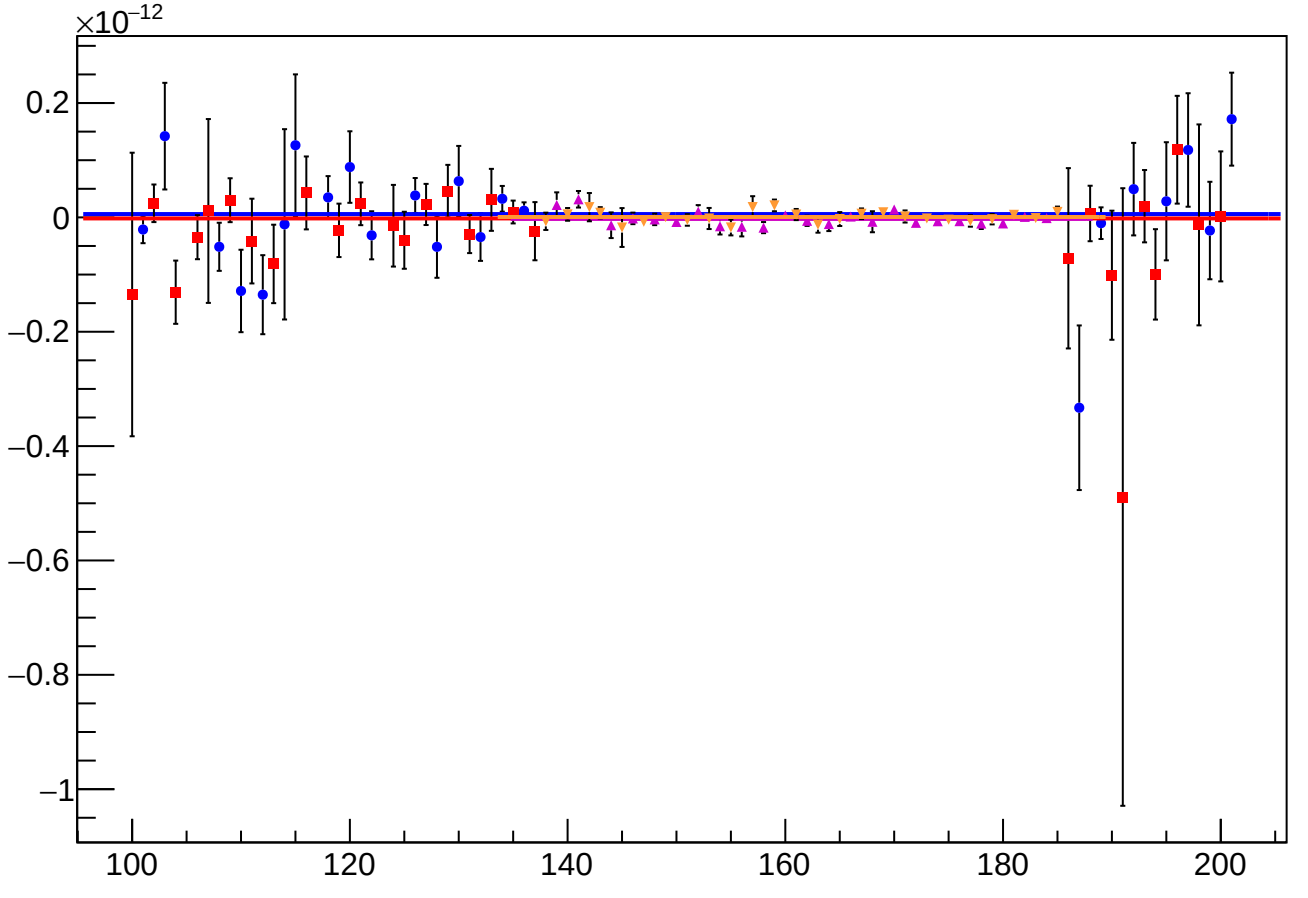
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.012+/-0.011 χ^2/NDF: 9902070.6/50

In: 51.184+/-0.008 χ^2/NDF:6878461.5/45

Out: 51.623+/-0.008 χ^2/NDF:10362701.9/52

All: 51.403+/-0.005 χ^2/NDF: 17242803.6/98



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: 19.4/27

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

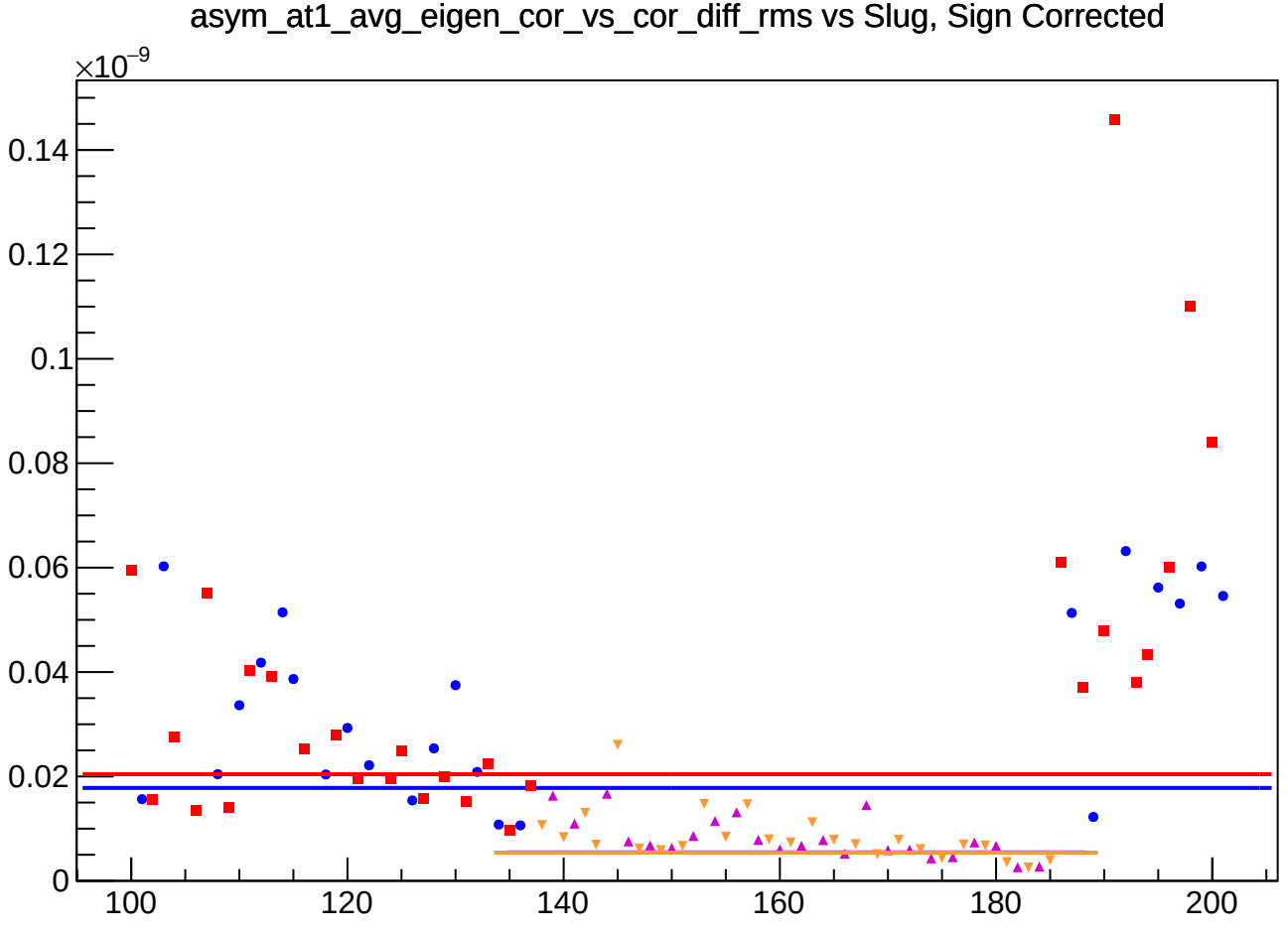
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 54.2/50

In: -0.000+/-0.000 χ^2/NDF:57.2/45

Out: 0.000+/-0.000 χ^2/NDF:34.6/52

All: -0.000+/-0.000 χ^2/NDF: 93.1/98



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: 3802148.4/27

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

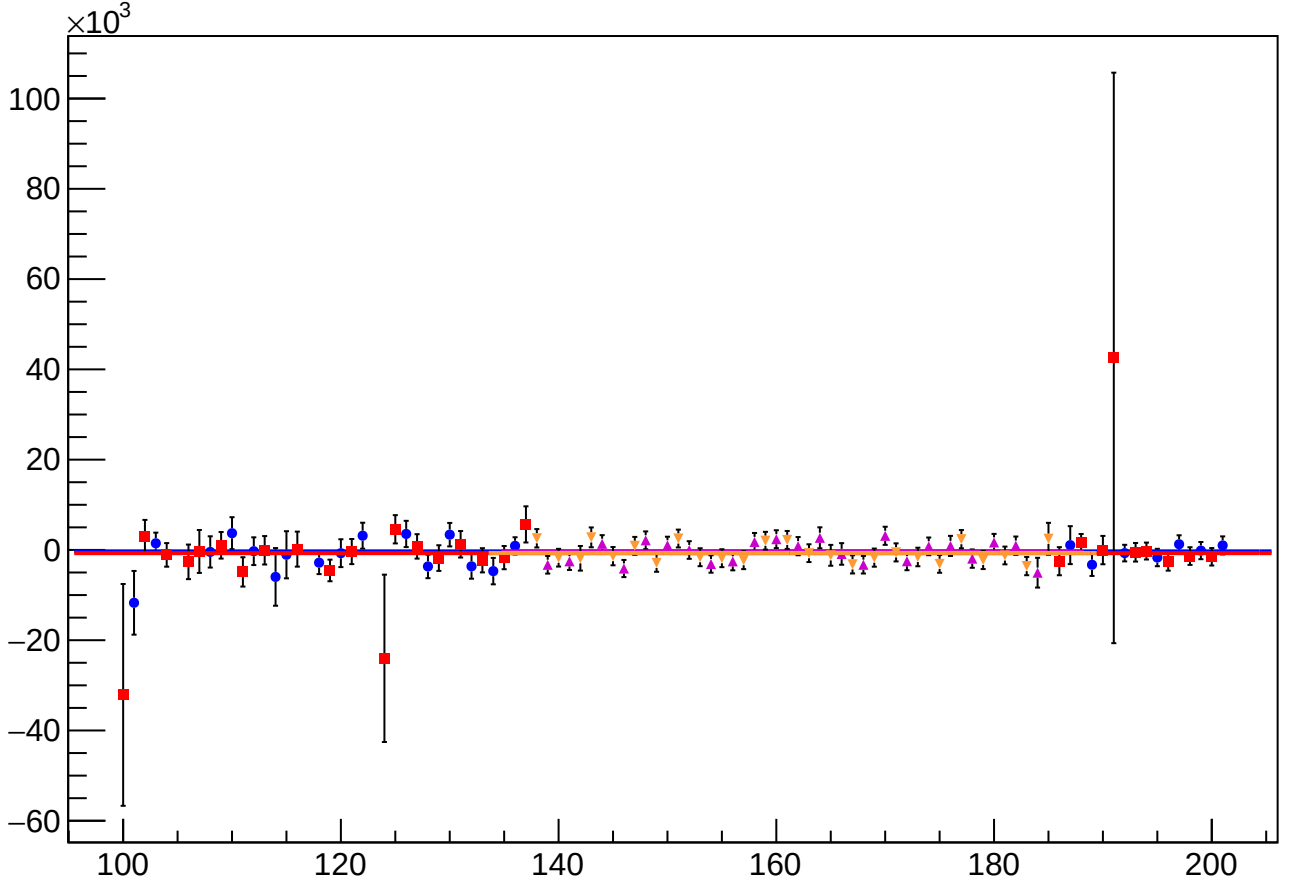
Right: 0.000+/-0.000 χ^2/NDF: 8099739.1/50

In: 0.000+/-0.000 χ^2/NDF:13577243.2/45

Out: 0.000+/-0.000 χ^2/NDF:14018189.8/52

All: 0.000+/-0.000 χ^2/NDF: 27601347.2/98

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: -722.125+/-525.671 χ^2/NDF: 19.4/27

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

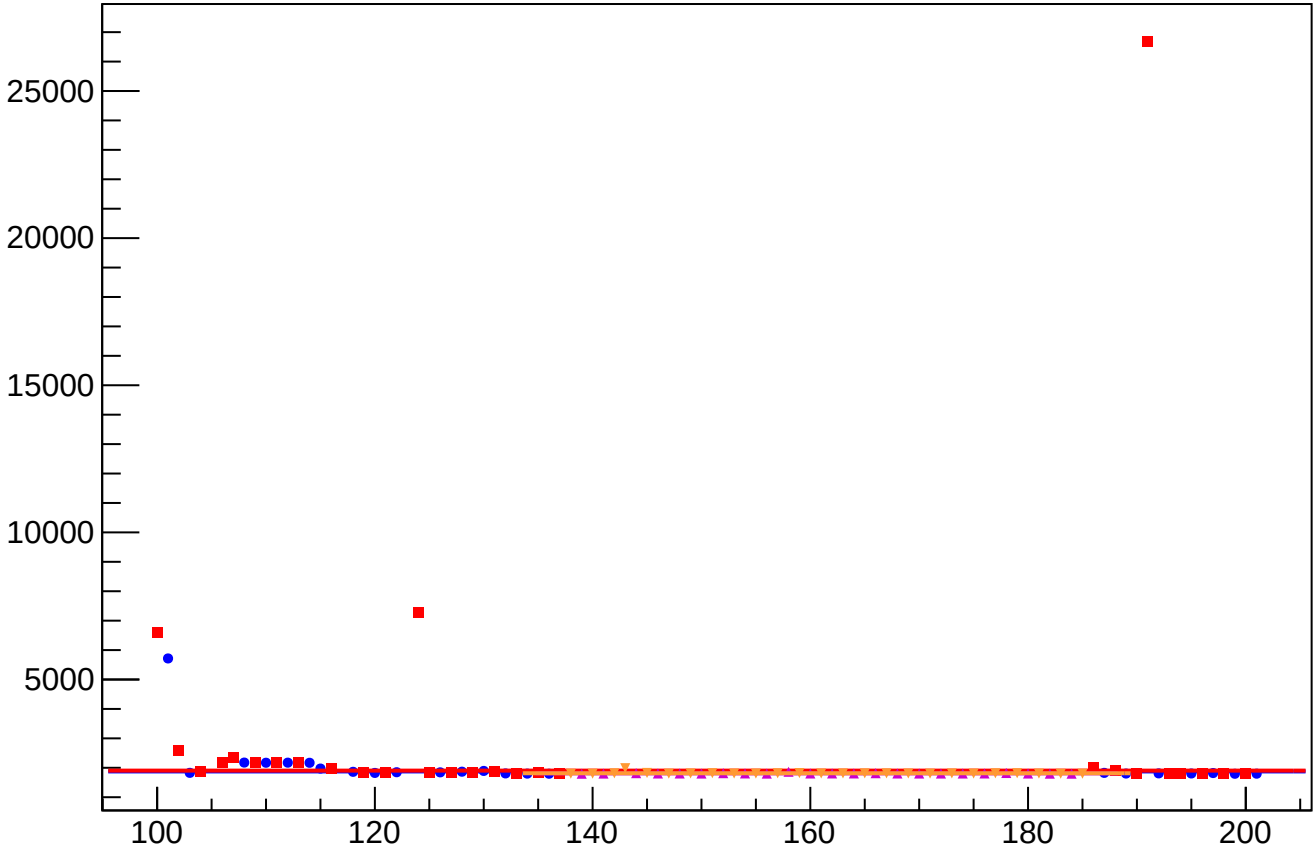
Right: -523.892+/-377.041 χ^2/NDF: 40.1/50

In: -331.920+/-333.113 χ^2/NDF:50.5/45

Out: -689.873+/-324.371 χ^2/NDF:44.2/52

All: -515.655+/-232.394 χ^2/NDF: 95.2/98

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: 1903.817+/-0.372 χ^2/NDF: 733348.3/27

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

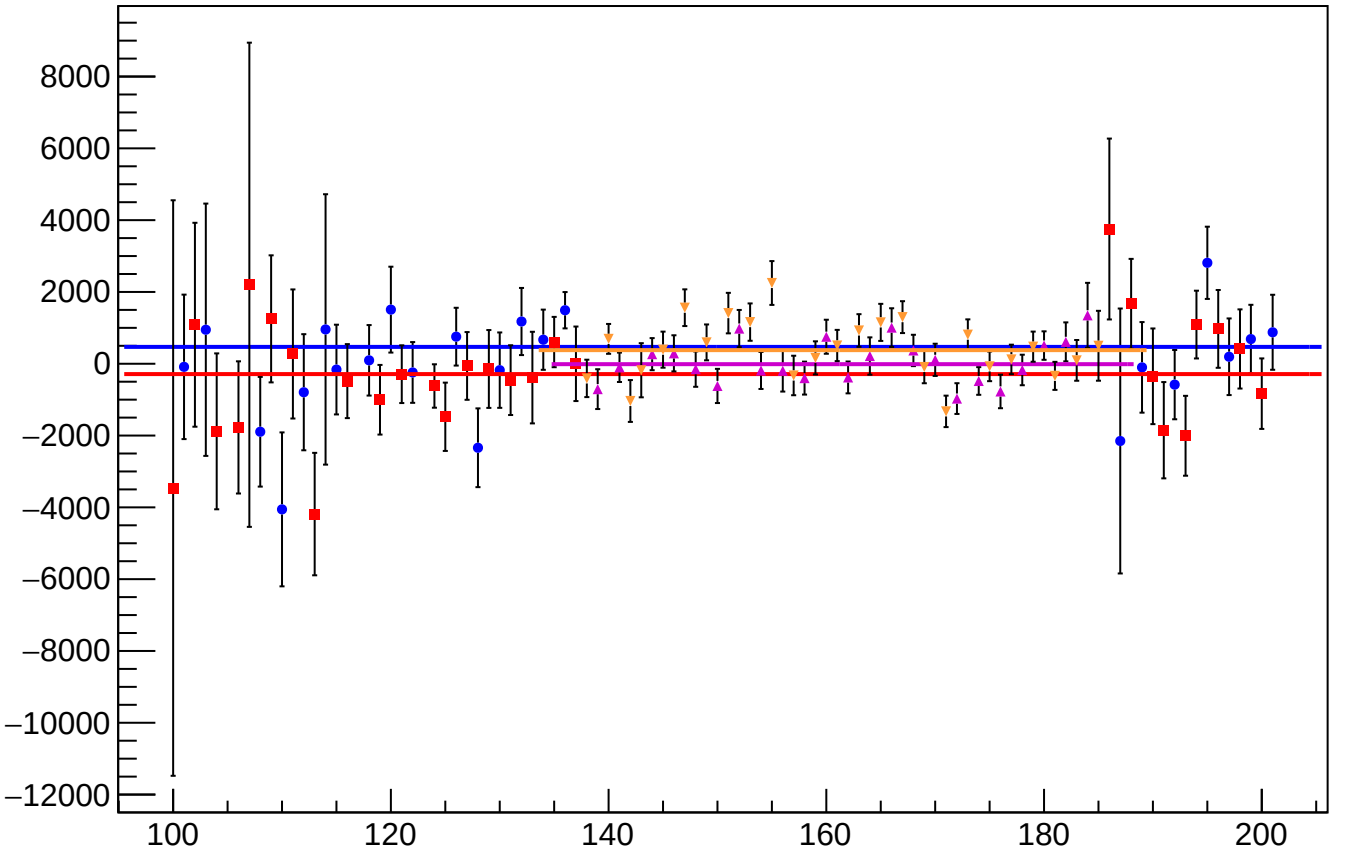
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1890.398+/-0.267 χ^2/NDF: 1403398.5/50

In: 1835.366+/-0.236 χ^2/NDF:687656.8/45

Out: 1848.468+/-0.229 χ^2/NDF:782256.6/52

All: 1842.091+/-0.164 χ^2/NDF: 1471501.6/98



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: -287.783+/-212.227 χ^2/NDF: 25.0/27

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

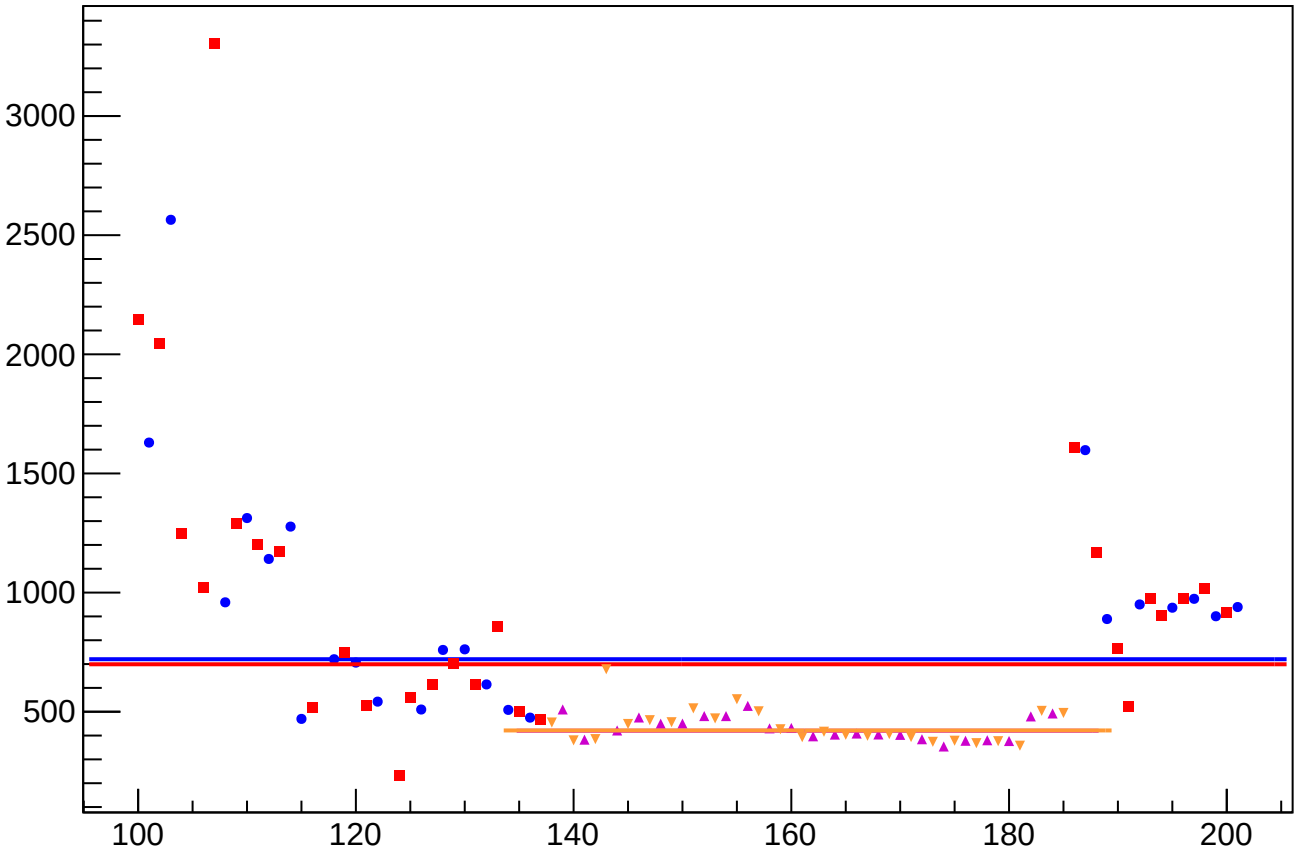
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 76.921+/-152.828 χ^2/NDF: 59.9/50

In: 69.328+/-90.280 χ^2/NDF:63.9/45

Out: 264.044+/-88.232 χ^2/NDF:95.5/52

All: 168.920+/-63.101 χ^2/NDF: 161.8/98



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: 699.134+/-0.150 χ^2/NDF: 4446457.7/27

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

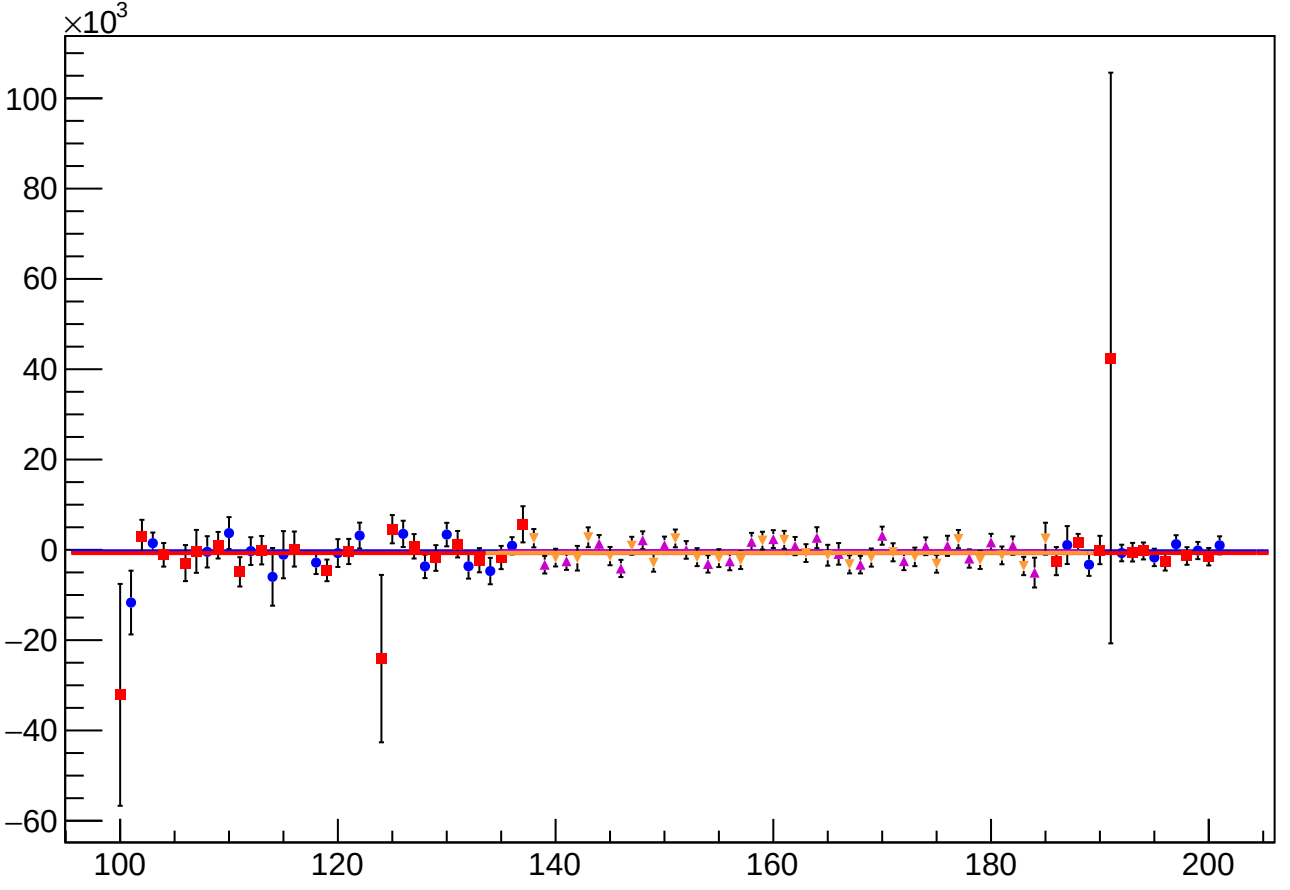
Right: 709.376+/-0.108 χ^2/NDF: 7359296.1/50

In: 470.654+/-0.064 χ^2/NDF:6407057.4/45

Out: 469.418+/-0.062 χ^2/NDF:8022350.1/52

All: 470.022+/-0.045 χ^2/NDF: 14429599.5/98

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: -724.610+/-526.062 χ^2/NDF: 19.5/27

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

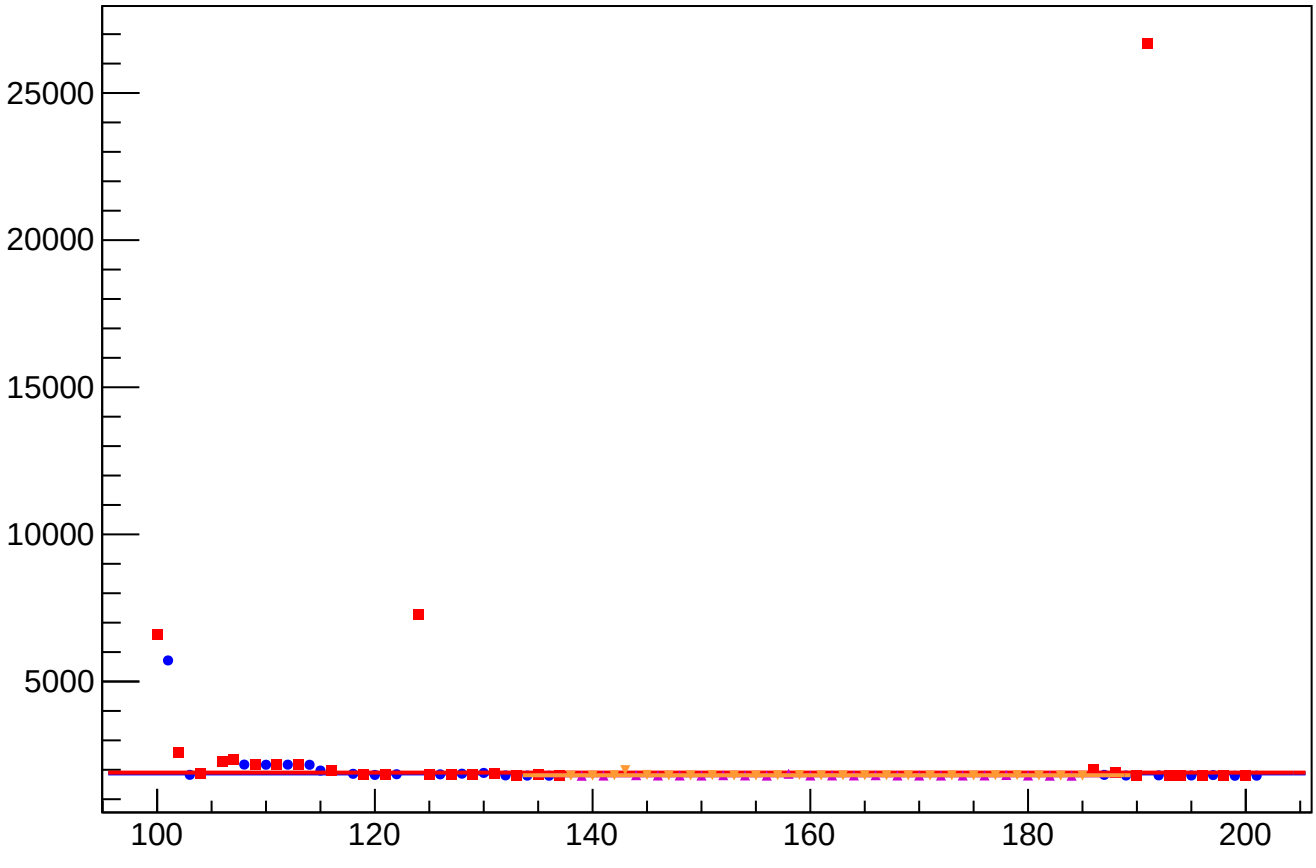
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -524.799+/-377.185 χ^2/NDF: 40.2/50

In: -331.777+/-333.113 χ^2/NDF:50.5/45

Out: -690.794+/-324.463 χ^2/NDF:44.2/52

All: -516.007+/-232.428 χ^2/NDF: 95.3/98



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: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

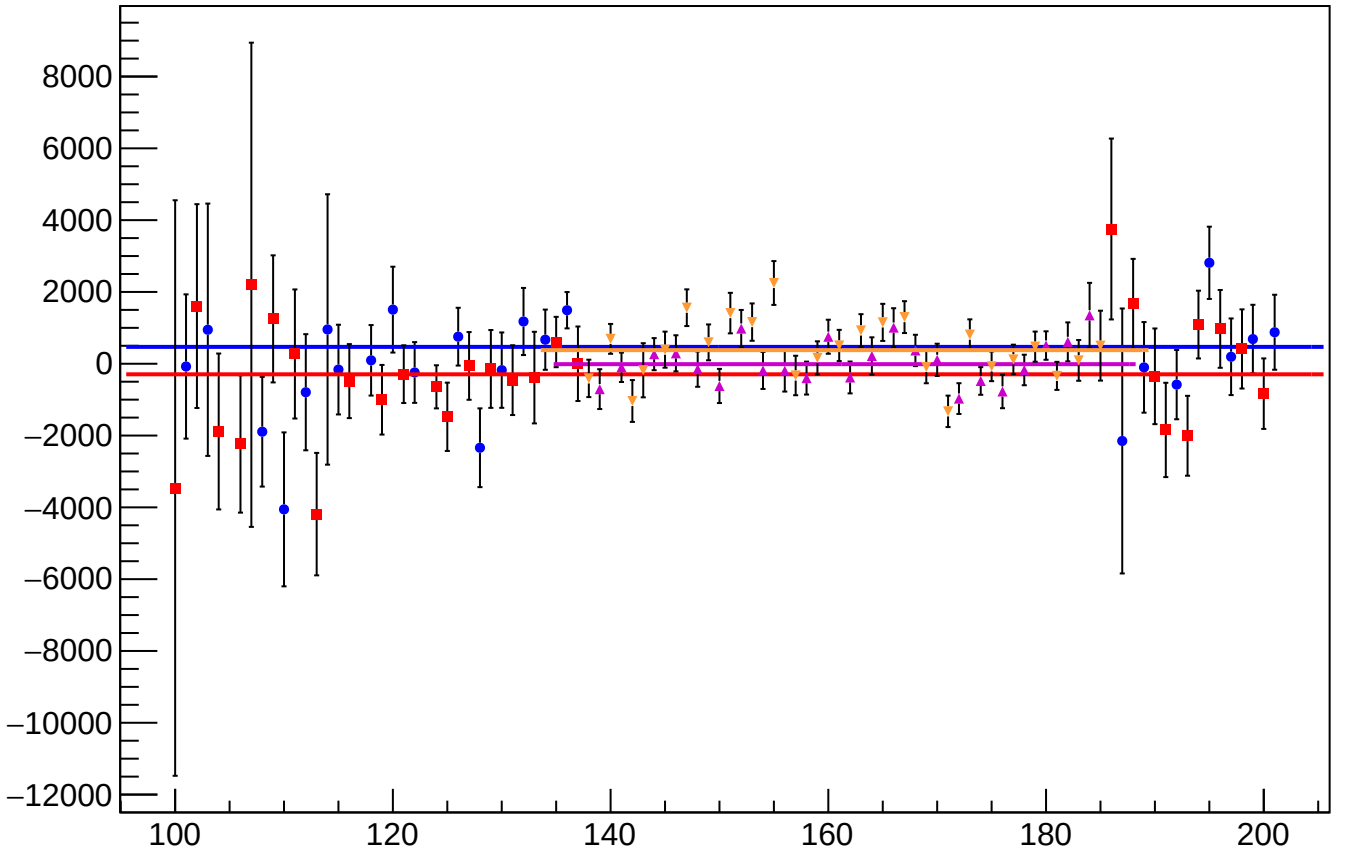
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1890.902+/-0.267 χ^2/NDF: 1409393.8/50

In: 1835.366+/-0.236 χ^2/NDF:687656.7/45

Out: 1848.818+/-0.229 χ^2/NDF:788828.9/52

All: 1842.269+/-0.164 χ^2/NDF: 1478159.0/98



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: -294.023+/-212.026 χ^2/NDF: 25.7/27

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

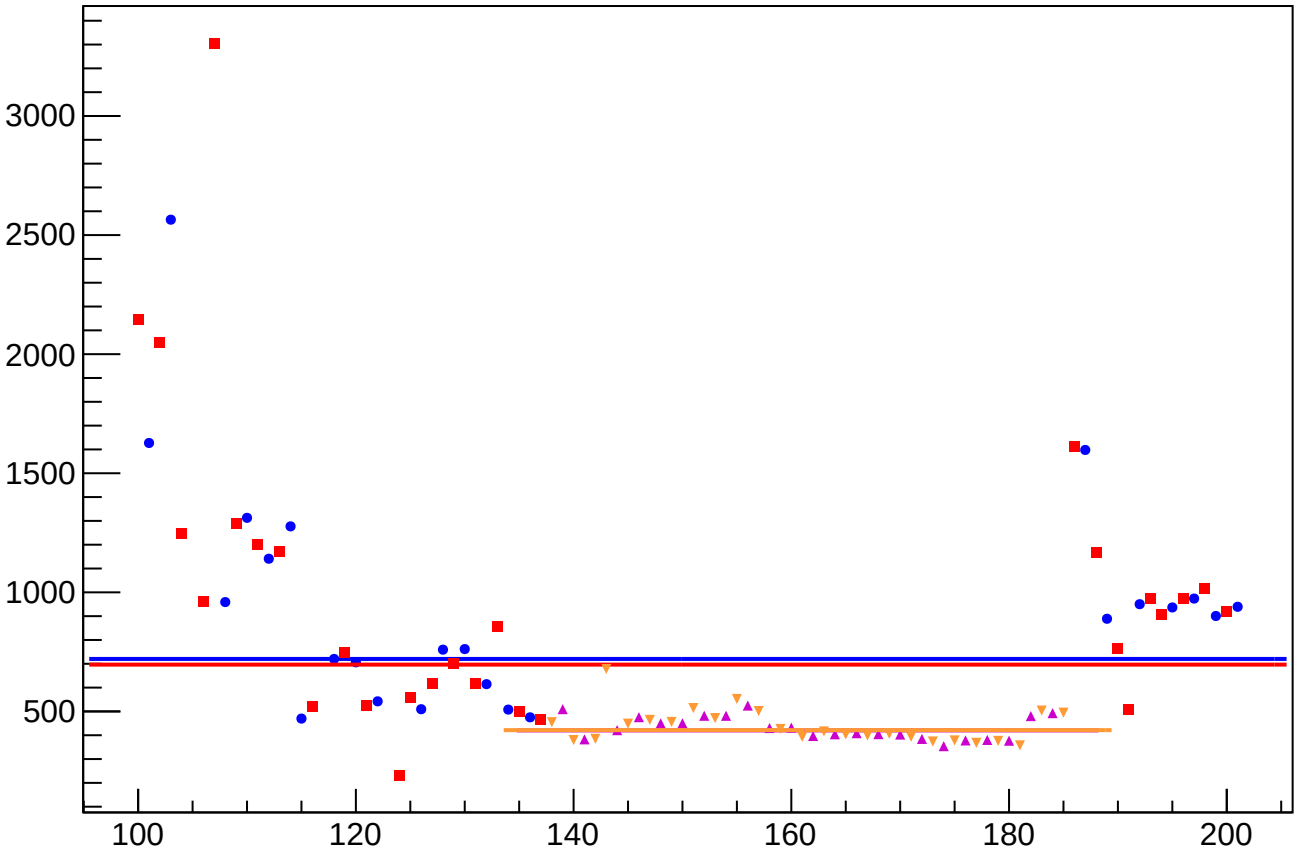
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 73.356+/-152.750 χ^2/NDF: 60.7/50

In: 69.329+/-90.279 χ^2/NDF:63.9/45

Out: 262.774+/-88.218 χ^2/NDF:96.4/52

All: 168.285+/-63.095 χ^2/NDF: 162.6/98



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: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

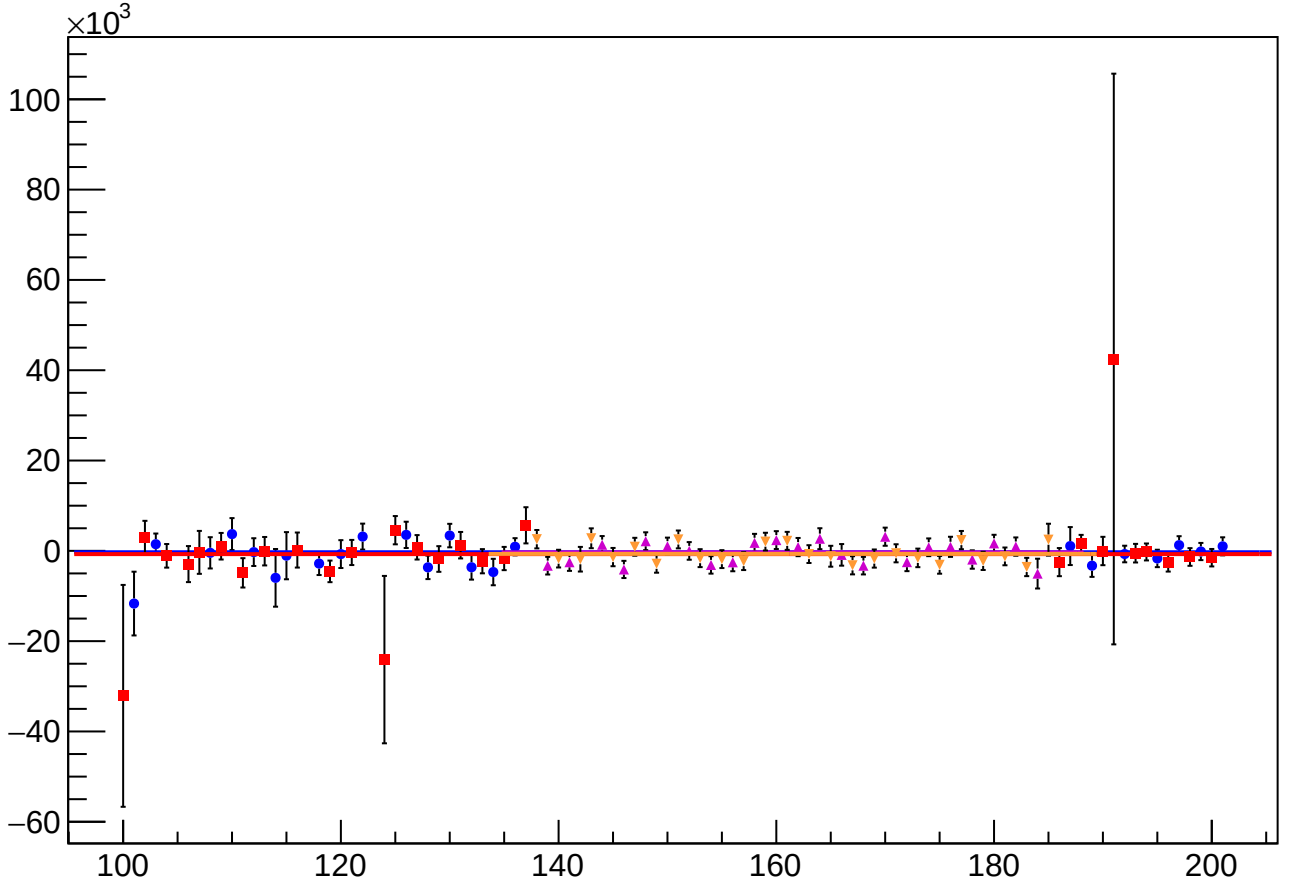
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 708.012+/-0.108 χ^2/NDF: 7372738.0/50

In: 470.652+/-0.064 χ^2/NDF:6406414.4/45

Out: 469.045+/-0.062 χ^2/NDF:7985431.3/52

All: 469.830+/-0.045 χ^2/NDF: 14392169.8/98



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: -724.610+/-526.062 χ^2/NDF: 19.5/27

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

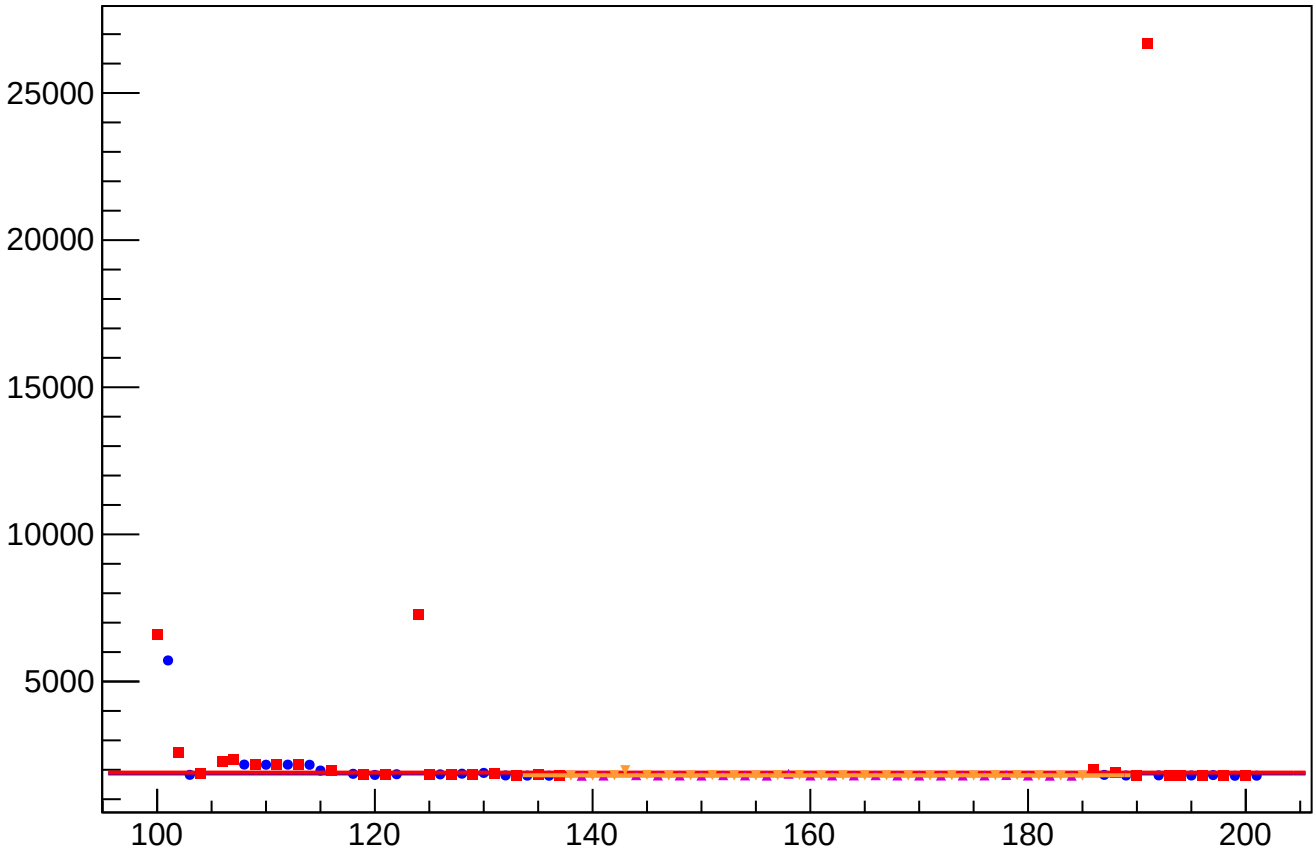
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -524.799+/-377.185 χ^2/NDF: 40.2/50

In: -331.777+/-333.113 χ^2/NDF:50.5/45

Out: -690.794+/-324.463 χ^2/NDF:44.2/52

All: -516.007+/-232.428 χ^2/NDF: 95.3/98



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: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

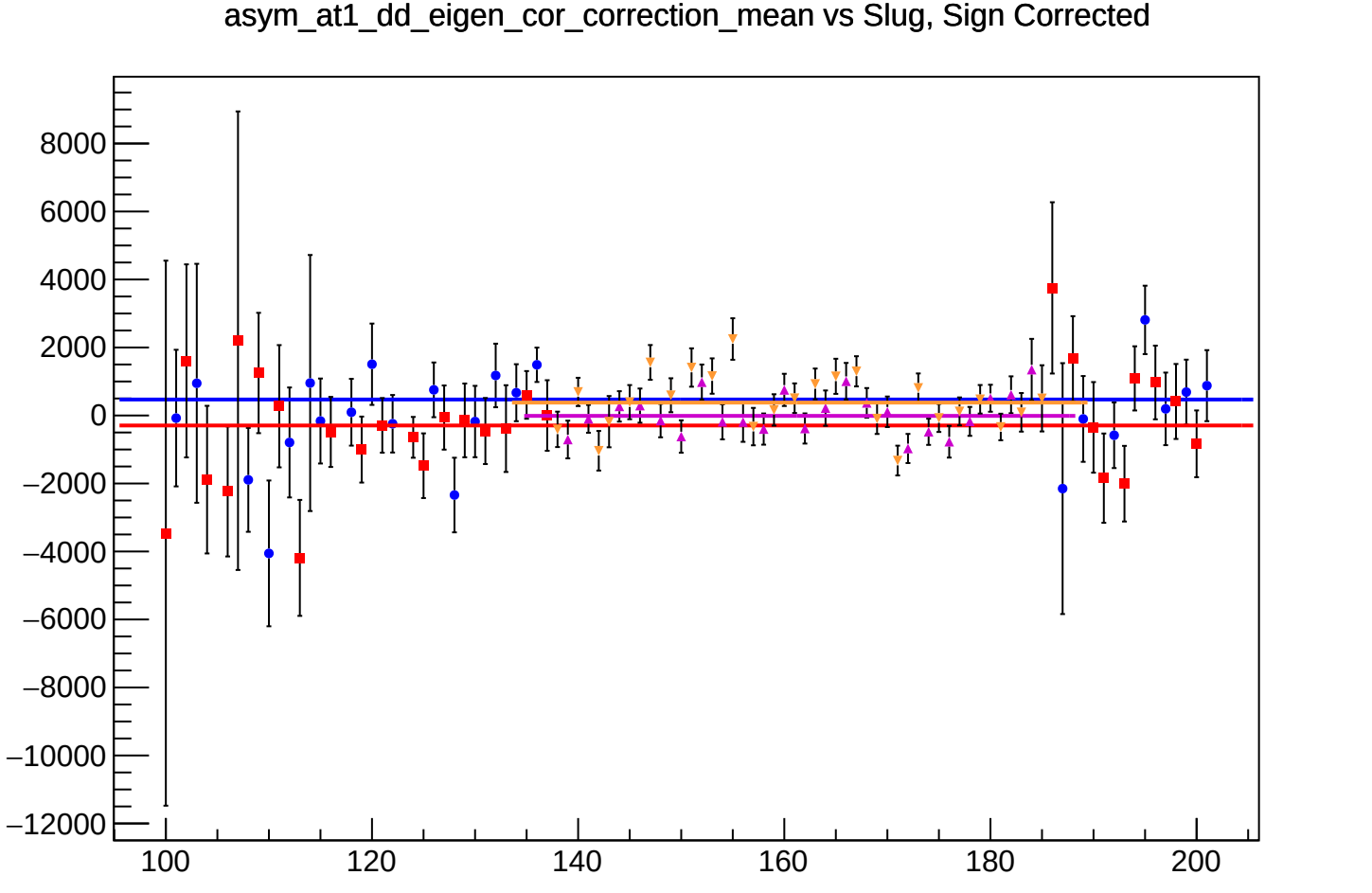
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1890.902+/-0.267 χ^2/NDF: 1409393.8/50

In: 1835.366+/-0.236 χ^2/NDF:687656.7/45

Out: 1848.818+/-0.229 χ^2/NDF:788828.9/52

All: 1842.269+/-0.164 χ^2/NDF: 1478159.0/98



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: -294.023+/-212.026 χ^2/NDF: 25.7/27

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

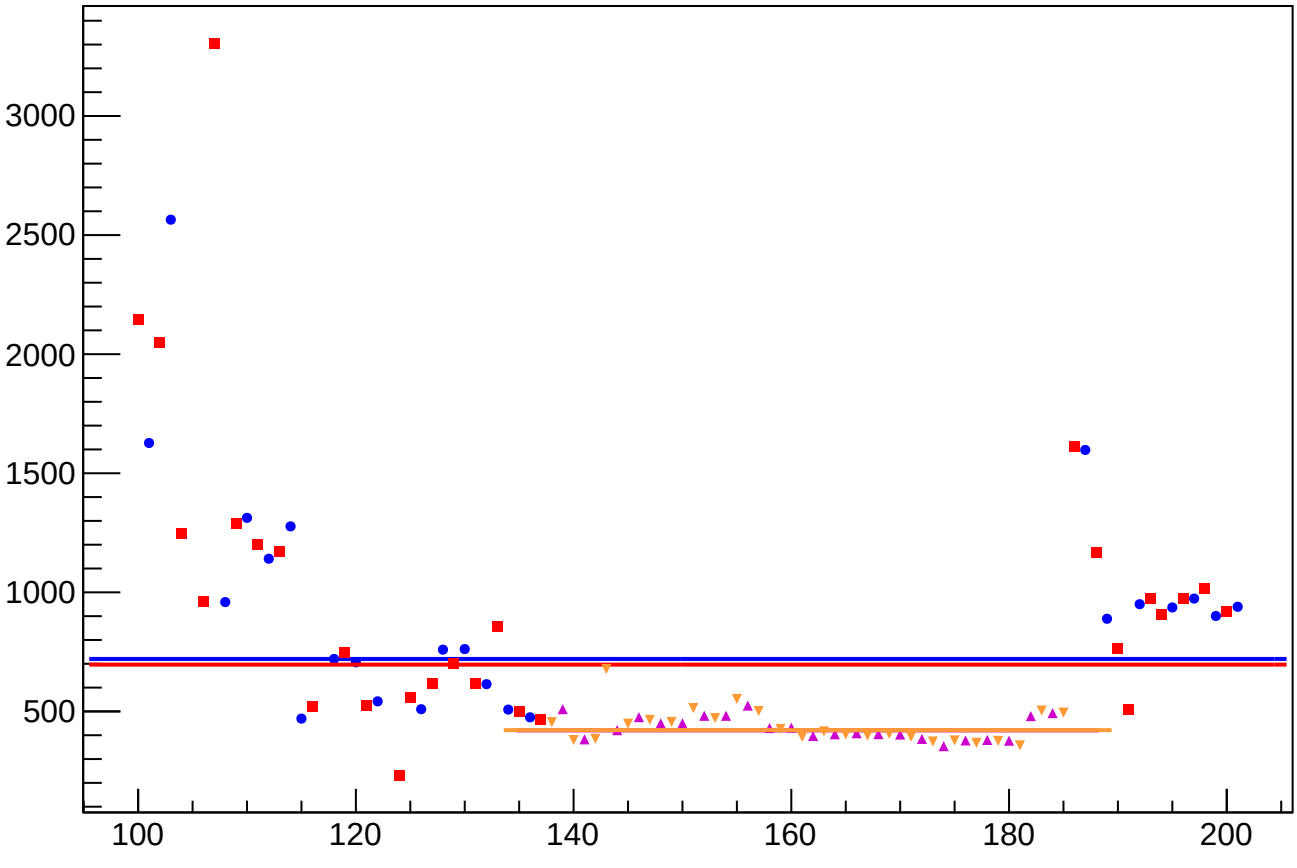
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 73.356+/-152.750 χ^2/NDF: 60.7/50

In: 69.329+/-90.279 χ^2/NDF:63.9/45

Out: 262.774+/-88.218 χ^2/NDF:96.4/52

All: 168.285+/-63.095 χ^2/NDF: 162.6/98



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: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

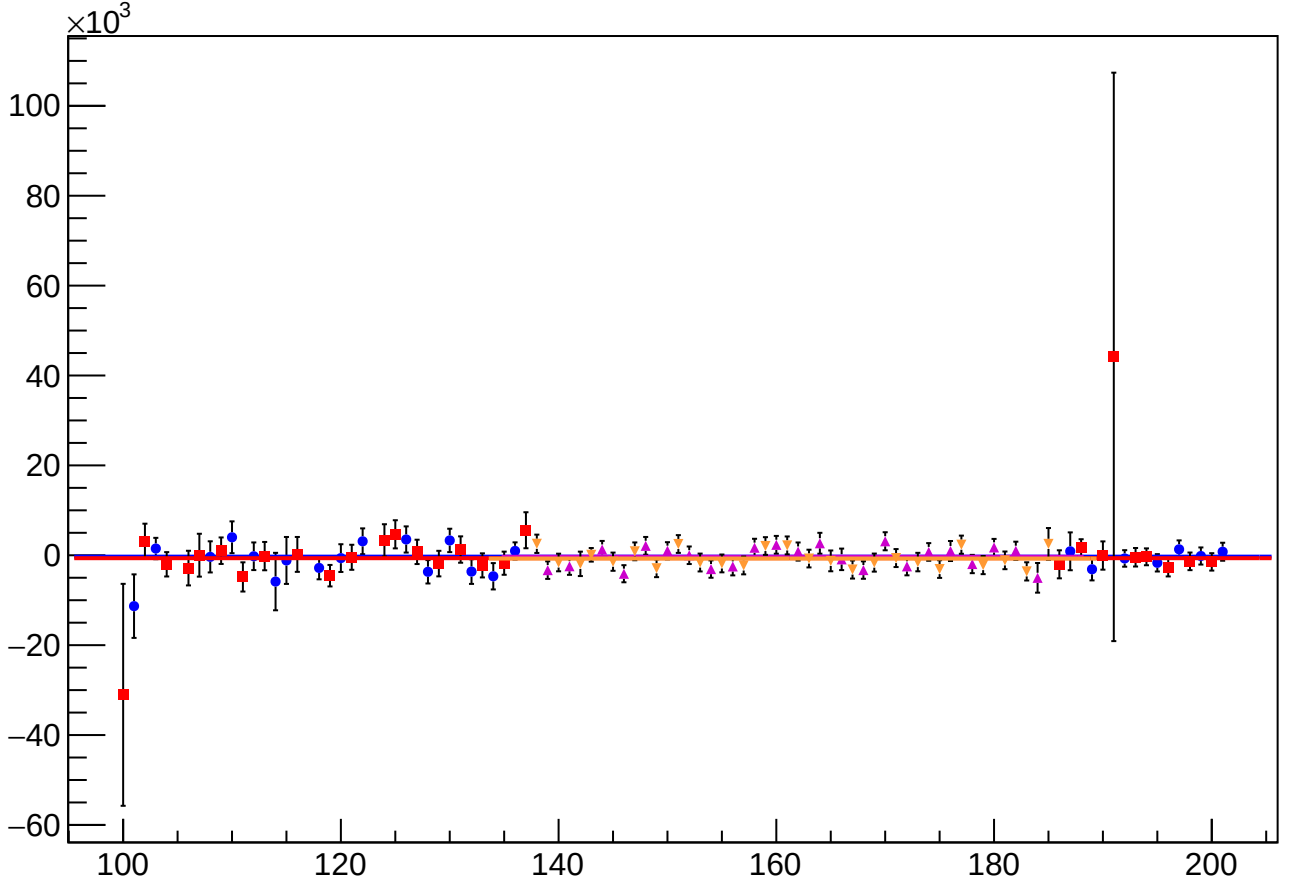
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 708.012+/-0.108 χ^2/NDF: 7372738.0/50

In: 470.652+/-0.064 χ^2/NDF:6406414.4/45

Out: 469.045+/-0.062 χ^2/NDF:7985431.3/52

All: 469.830+/-0.045 χ^2/NDF: 14392169.8/98



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: -650.424+/-522.102 χ^2/NDF: 19.1/27

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

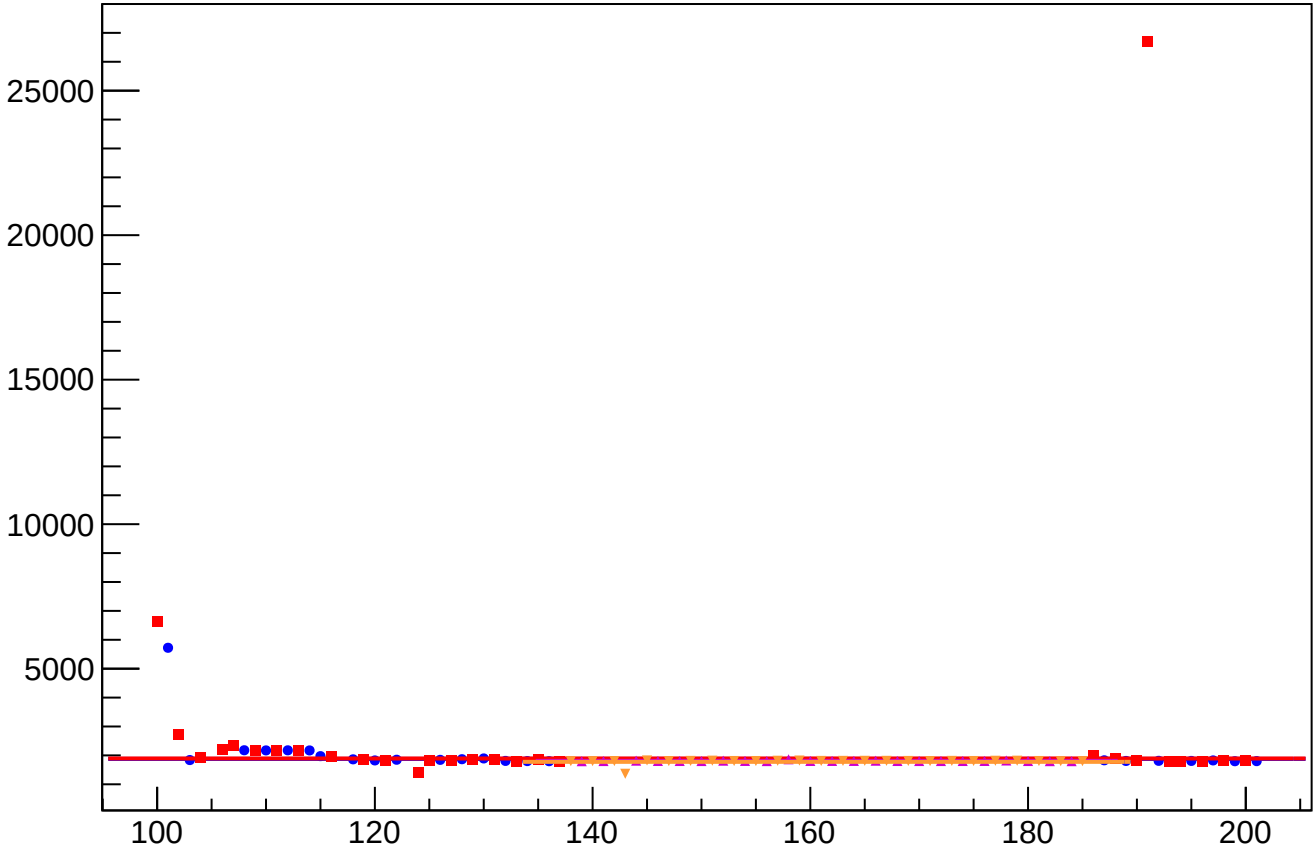
Right: -483.386+/-375.927 χ^2/NDF: 39.4/50

In: -326.963+/-333.331 χ^2/NDF:49.6/45

Out: -696.739+/-319.720 χ^2/NDF:41.4/52

All: -519.554+/-230.738 χ^2/NDF: 91.6/98

dit_asym_at1_dd_rms vs Slug, Sign Corrected



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: 1893.107+/-0.369 χ^2/NDF: 619890.3/27

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

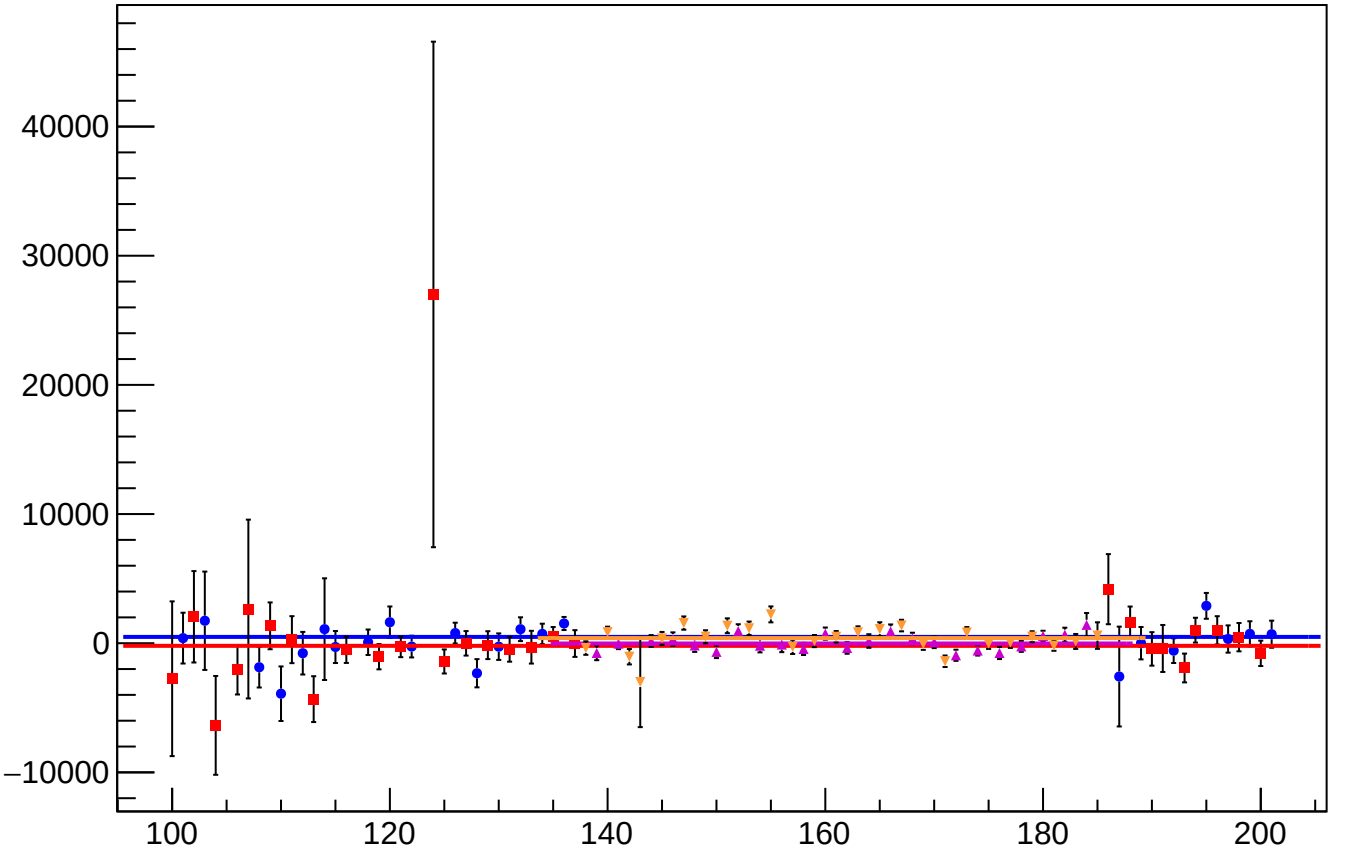
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1885.929+/-0.266 χ^2/NDF: 1287685.1/50

In: 1836.495+/-0.236 χ^2/NDF:688052.0/45

Out: 1820.366+/-0.226 χ^2/NDF:843301.3/52

All: 1828.095+/-0.163 χ^2/NDF: 1533792.3/98



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: -203.304+/-229.050 χ^2/NDF: 26.9/27

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

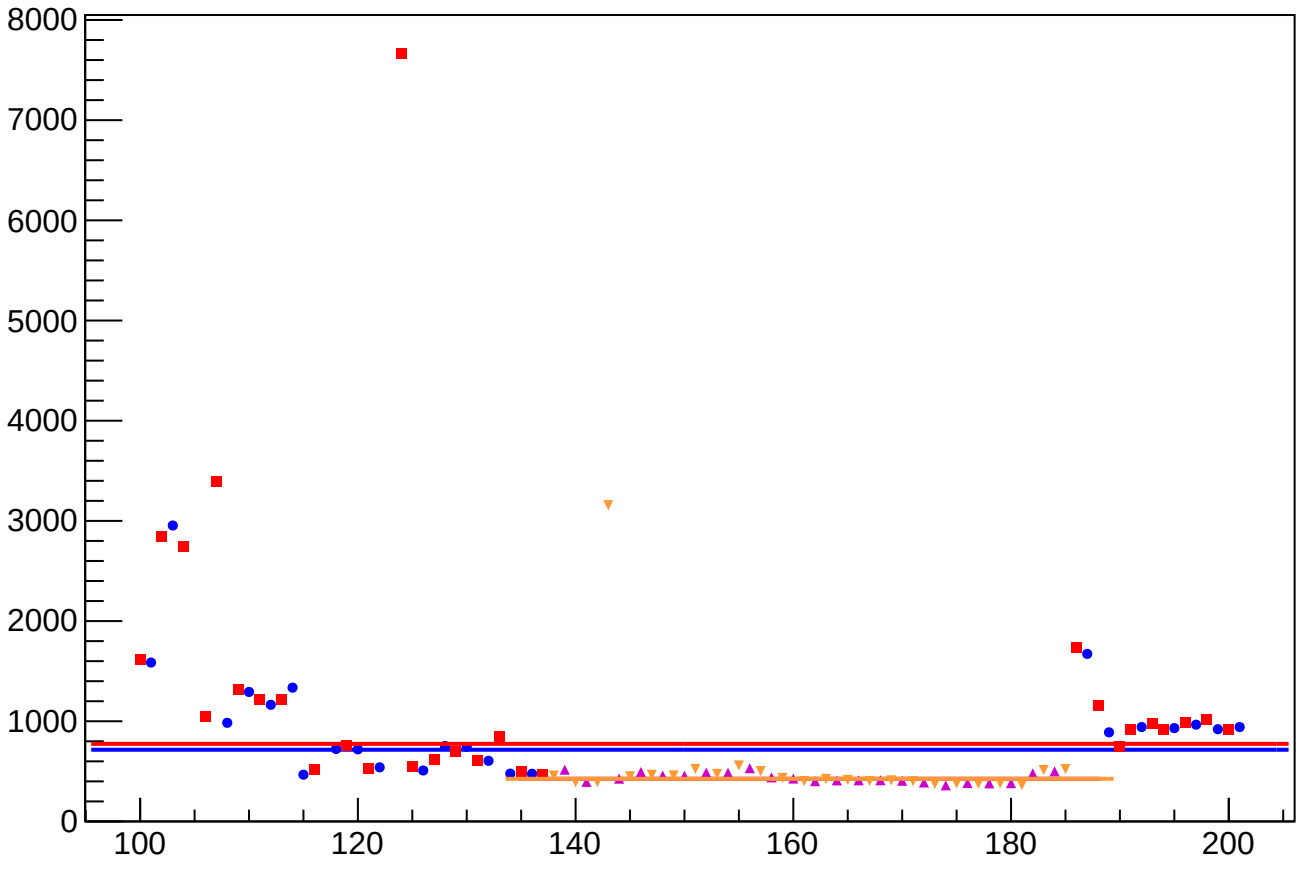
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 157.759+/-158.343 χ^2/NDF: 61.2/50

In: 66.778+/-91.174 χ^2/NDF:64.8/45

Out: 303.311+/-91.002 χ^2/NDF:93.2/52

All: 185.267+/-64.409 χ^2/NDF: 161.4/98



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: 774.706+/-0.162 χ^2/NDF: 4095809.1/27

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

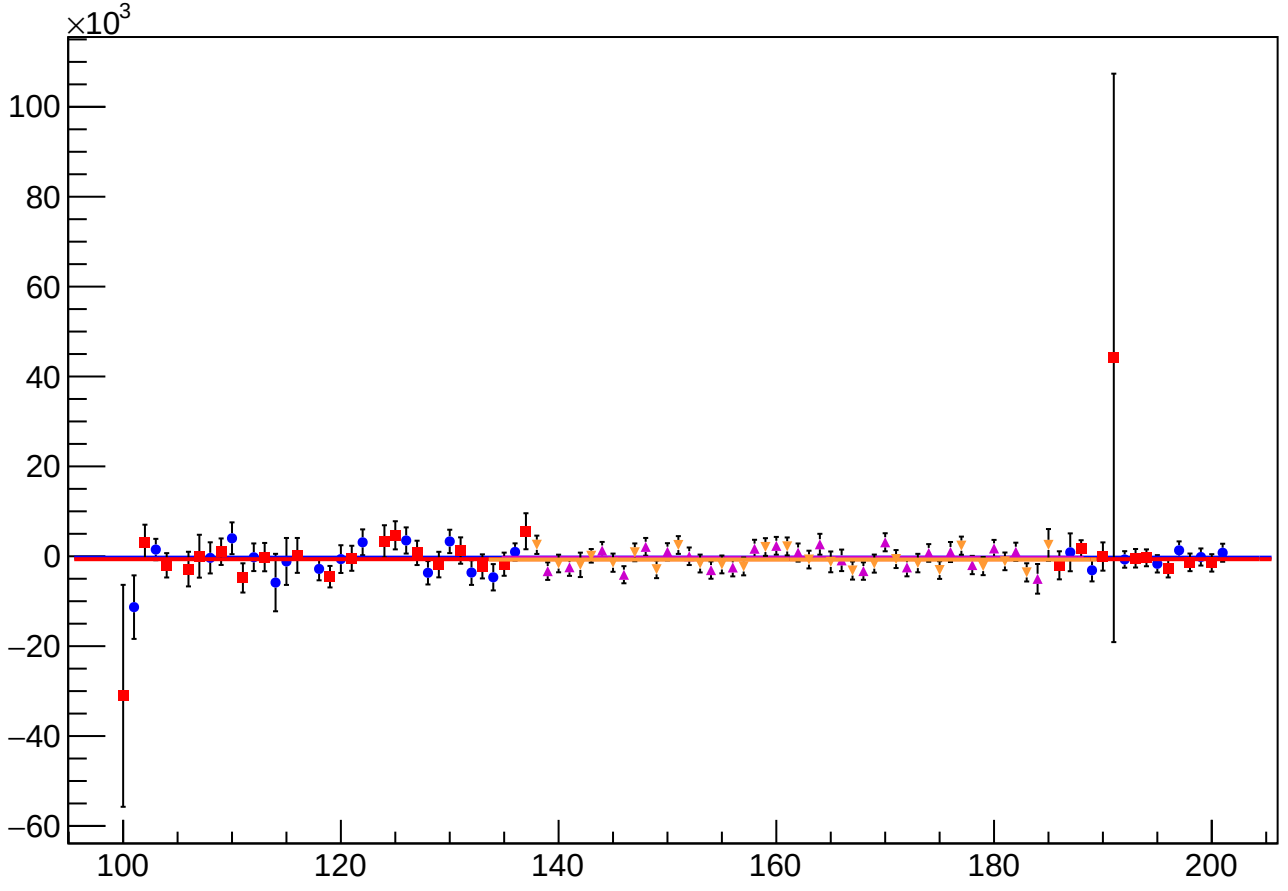
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 743.946+/-0.112 χ^2/NDF: 7277301.5/50

In: 476.283+/-0.064 χ^2/NDF:6417018.4/45

Out: 480.788+/-0.064 χ^2/NDF:9724465.4/52

All: 478.539+/-0.046 χ^2/NDF: 16143929.8/98



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: -650.423+/-522.102 χ^2/NDF: 19.1/27

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

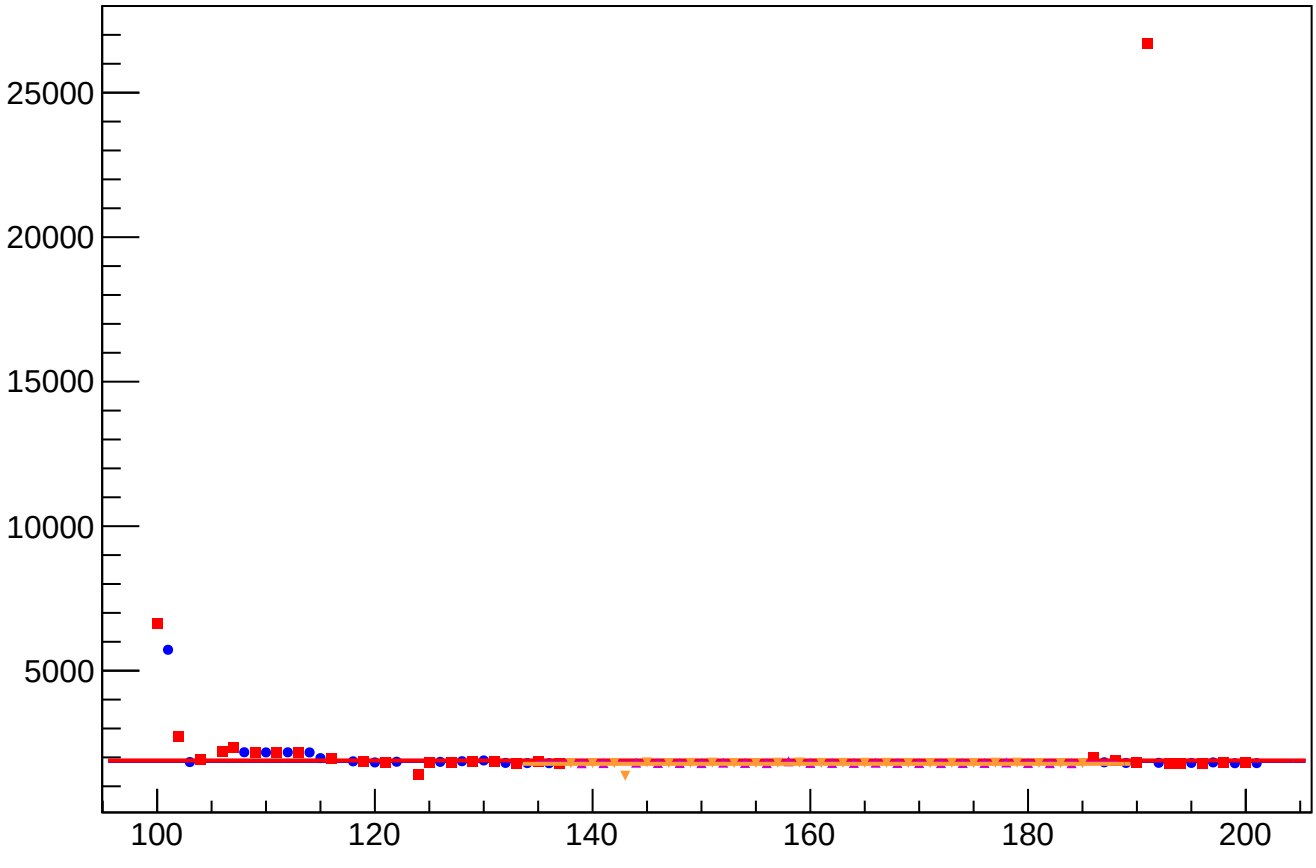
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -483.386+/-375.927 χ^2/NDF: 39.4/50

In: -326.963+/-333.331 χ^2/NDF:49.6/45

Out: -696.739+/-319.720 χ^2/NDF:41.4/52

All: -519.554+/-230.738 χ^2/NDF: 91.6/98



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: 1893.107+/-0.369 χ^2/NDF: 619890.1/27

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

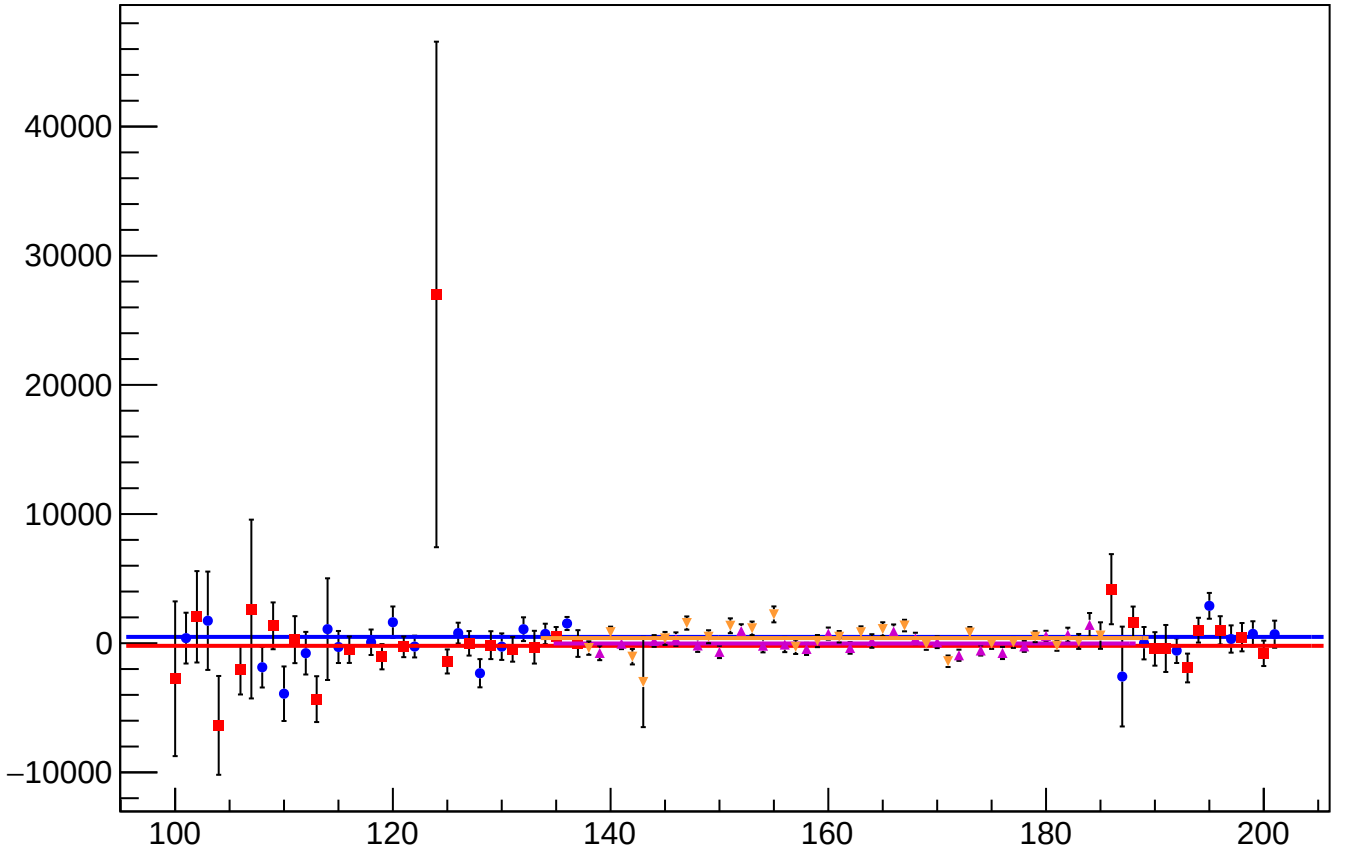
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1885.929+/-0.266 χ^2/NDF: 1287684.9/50

In: 1836.495+/-0.236 χ^2/NDF:688052.0/45

Out: 1820.366+/-0.226 χ^2/NDF:843301.1/52

All: 1828.095+/-0.163 χ^2/NDF: 1533792.1/98



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: -203.305+/-229.050 χ^2/NDF: 26.9/27

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

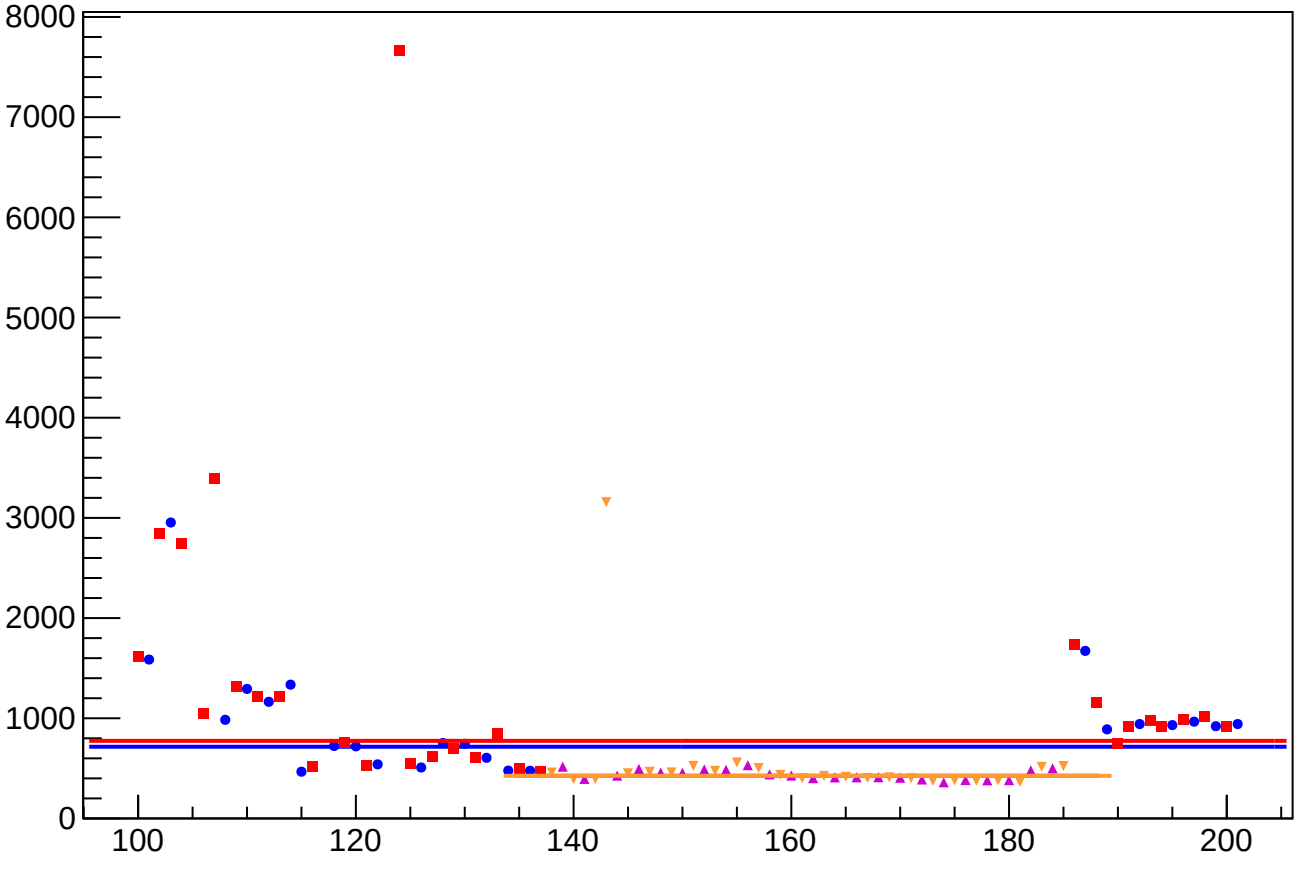
Right: 157.758+/-158.343 χ^2/NDF: 61.2/50

In: 66.778+/-91.174 χ^2/NDF:64.8/45

Out: 303.310+/-91.002 χ^2/NDF:93.2/52

All: 185.267+/-64.409 χ^2/NDF: 161.4/98

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: 774.706+/-0.162 χ^2/NDF: 4095812.7/27

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

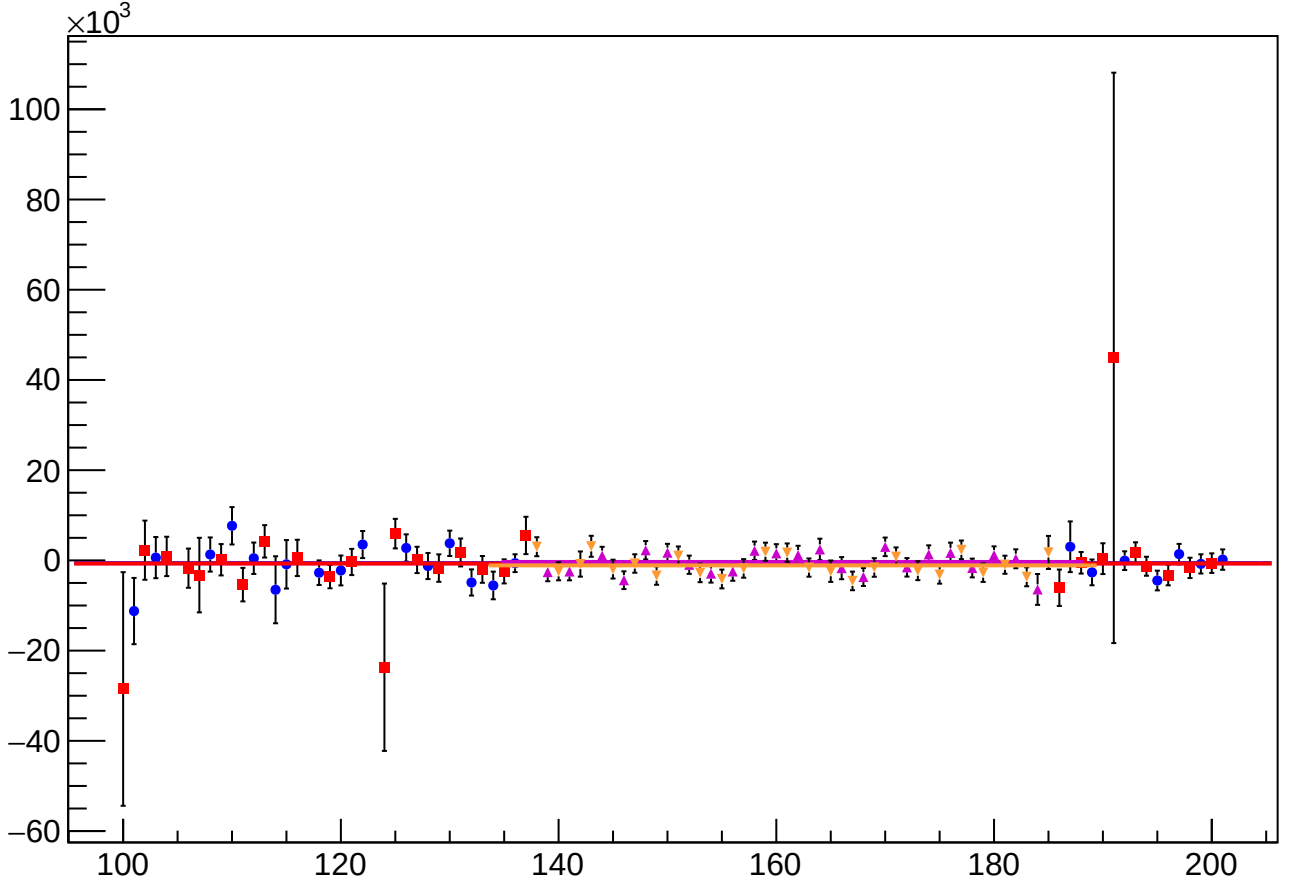
Right: 743.946+/-0.112 χ^2/NDF: 7277306.6/50

In: 476.283+/-0.064 χ^2/NDF:6417025.2/45

Out: 480.787+/-0.064 χ^2/NDF:9724475.6/52

All: 478.539+/-0.046 χ^2/NDF: 16143946.7/98

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: -691.311+/-599.804 χ^2/NDF: 20.8/27

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

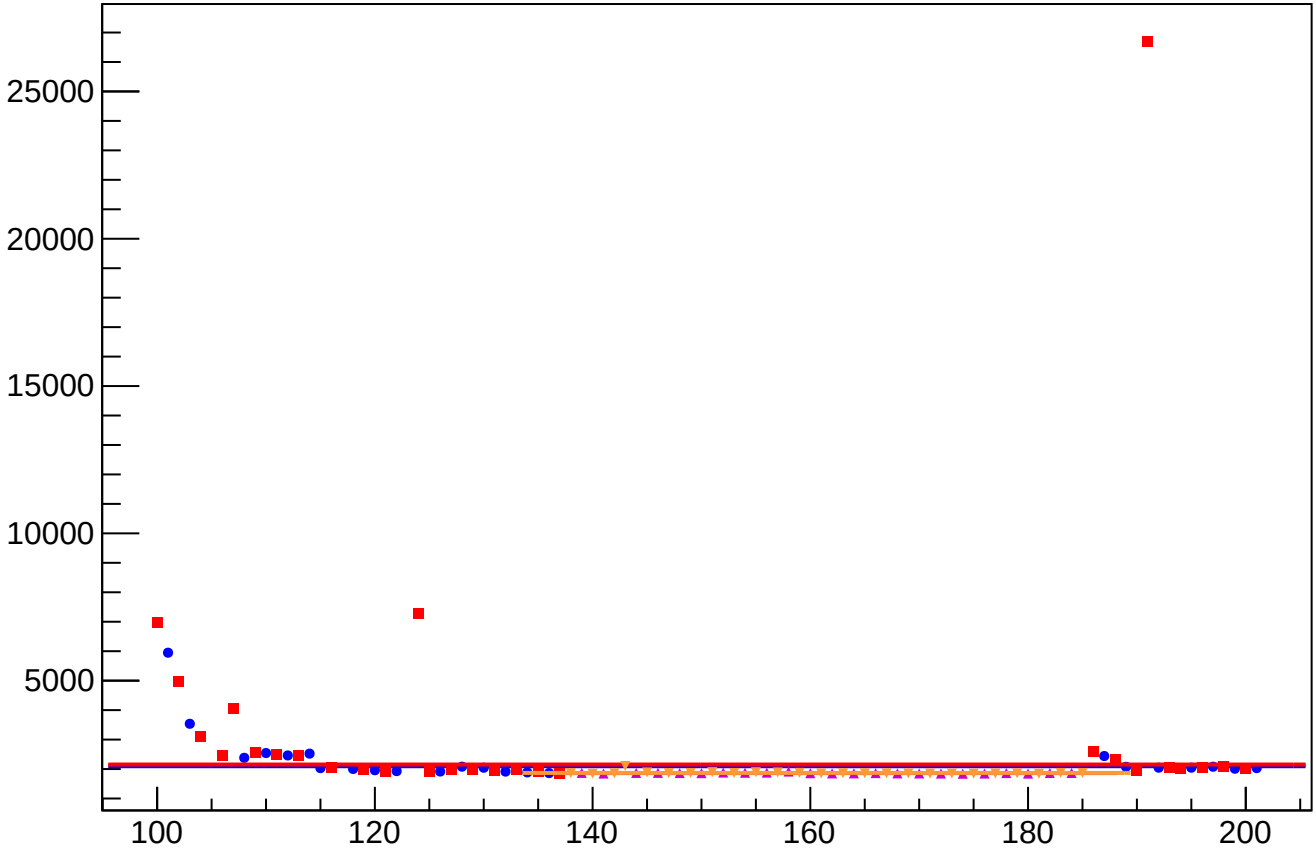
Right: -653.684+/-426.759 χ^2/NDF: 44.2/50

In: -437.851+/-353.615 χ^2/NDF:52.3/45

Out: -967.404+/-346.581 χ^2/NDF:49.1/52

All: -707.947+/-247.519 χ^2/NDF: 102.6/98

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: 2152.925+/-0.424 χ^2/NDF: 1315187.1/27

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

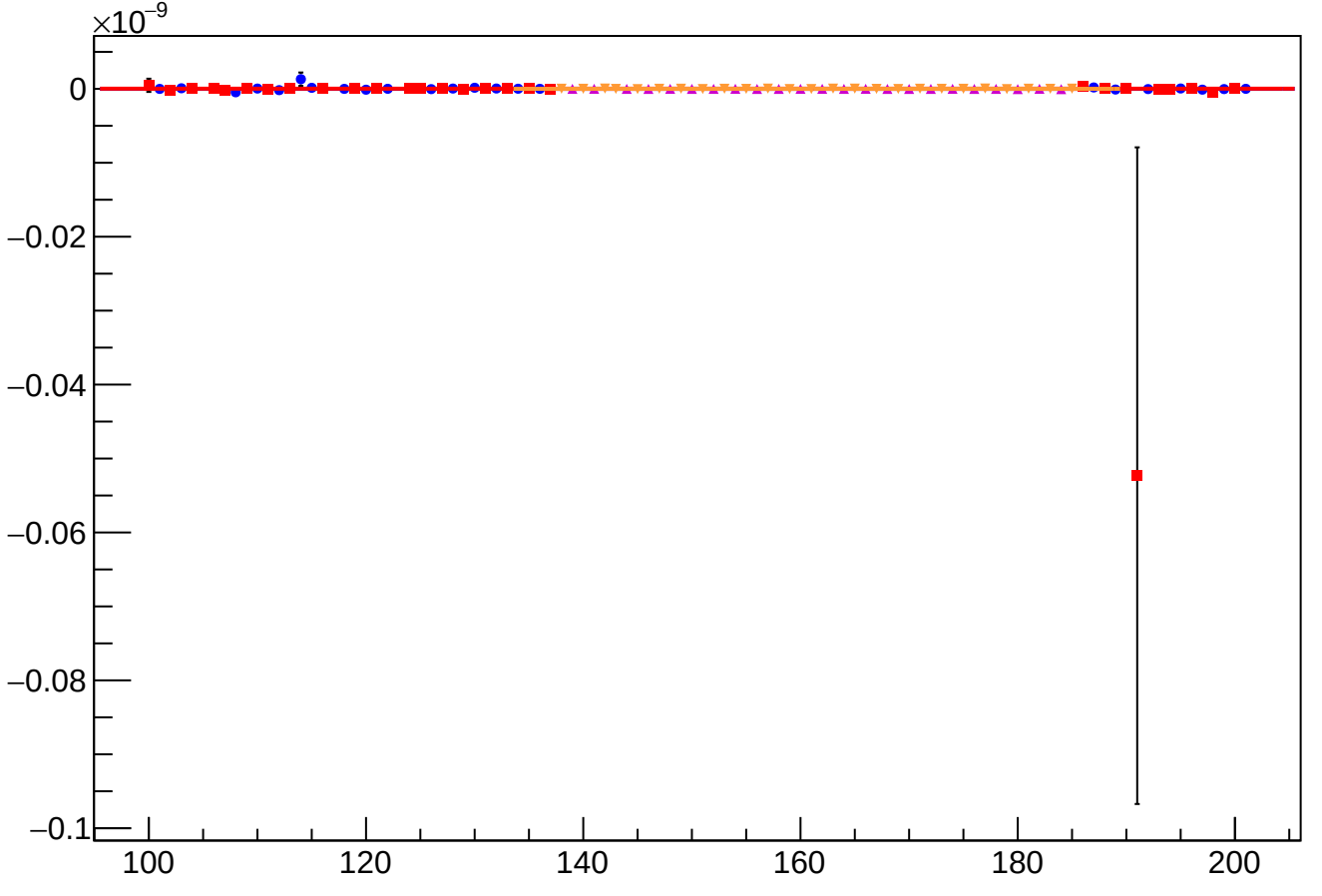
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2124.469+/-0.302 χ^2/NDF: 2217098.7/50

In: 1941.638+/-0.250 χ^2/NDF:1089195.7/45

Out: 1963.758+/-0.245 χ^2/NDF:1637145.2/52

All: 1952.920+/-0.175 χ^2/NDF: 2730332.3/98



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: 25.2/27

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

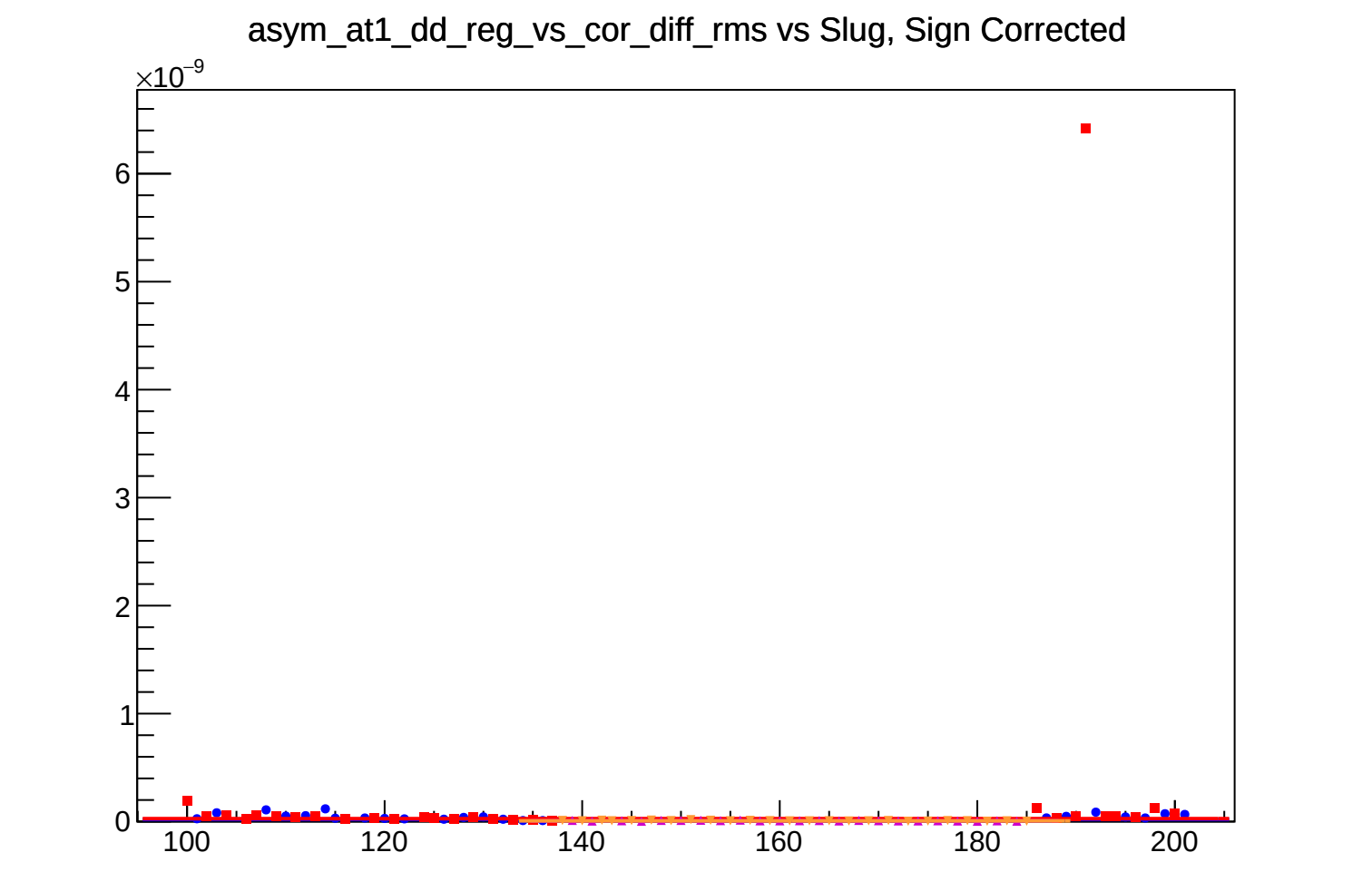
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.1/50

In: -0.000+/-0.000 χ^2/NDF:39.6/45

Out: 0.000+/-0.000 χ^2/NDF:69.4/52

All: -0.000+/-0.000 χ^2/NDF: 111.1/98



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: 2943070.0/27

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

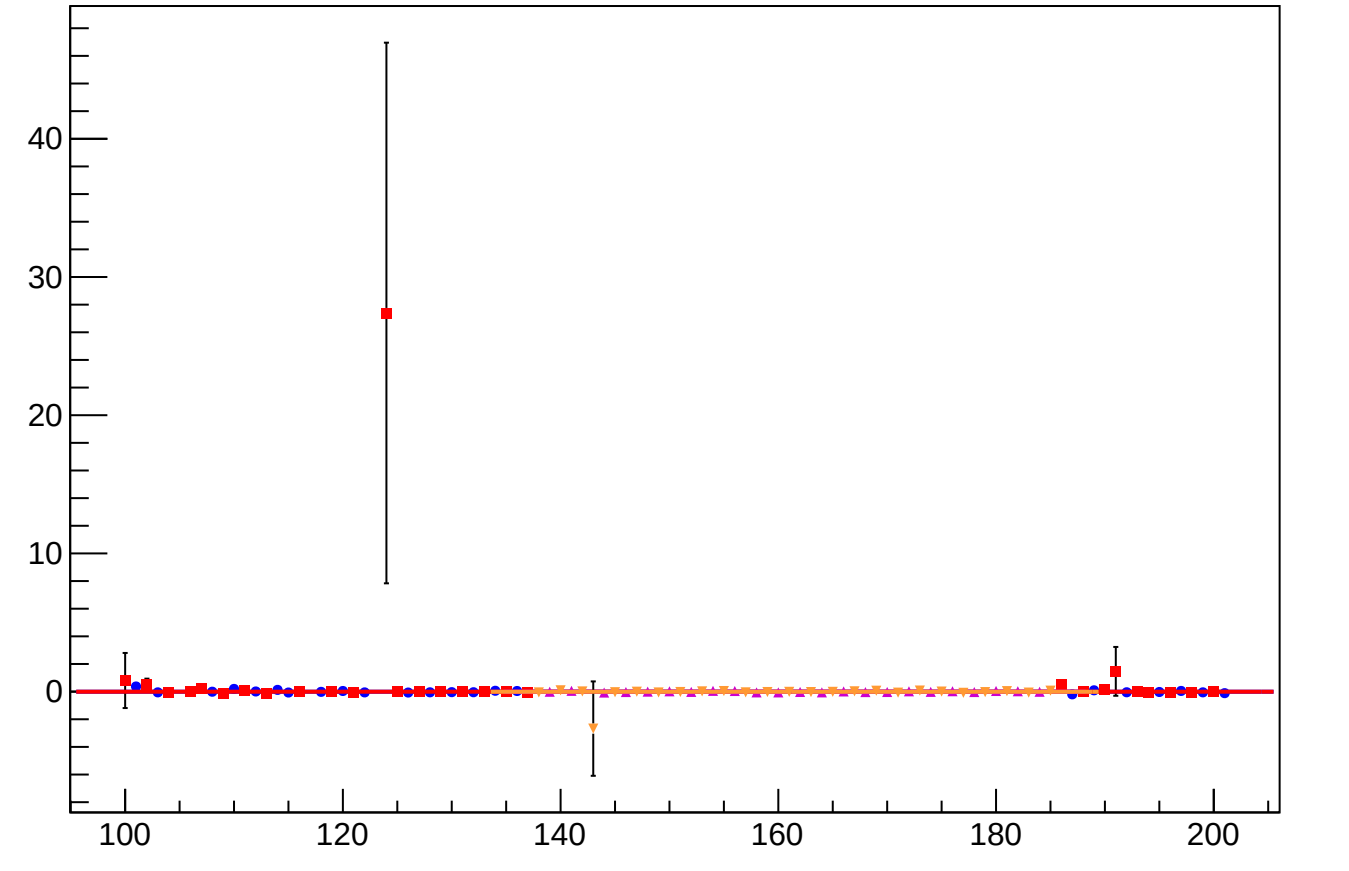
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7456658.7/50

In: 0.000+/-0.000 χ^2/NDF:7775564.0/45

Out: 0.000+/-0.000 χ^2/NDF:8641071.2/52

All: 0.000+/-0.000 χ^2/NDF: 16416887.5/98



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: 25.5/27

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

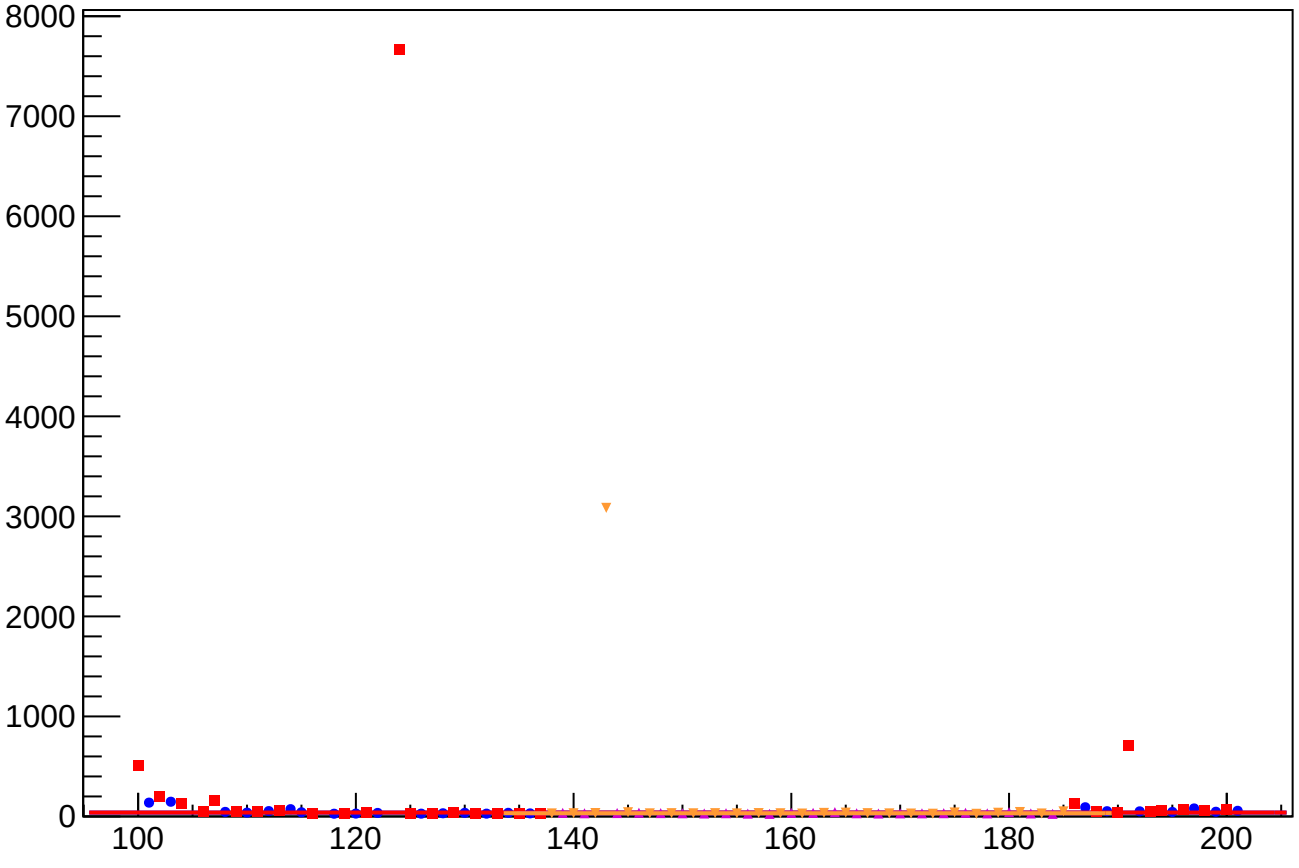
Right: -0.006+/-0.009 χ^2/NDF: 53.2/50

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.007+/-0.005 χ^2/NDF: 113.9/98

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: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

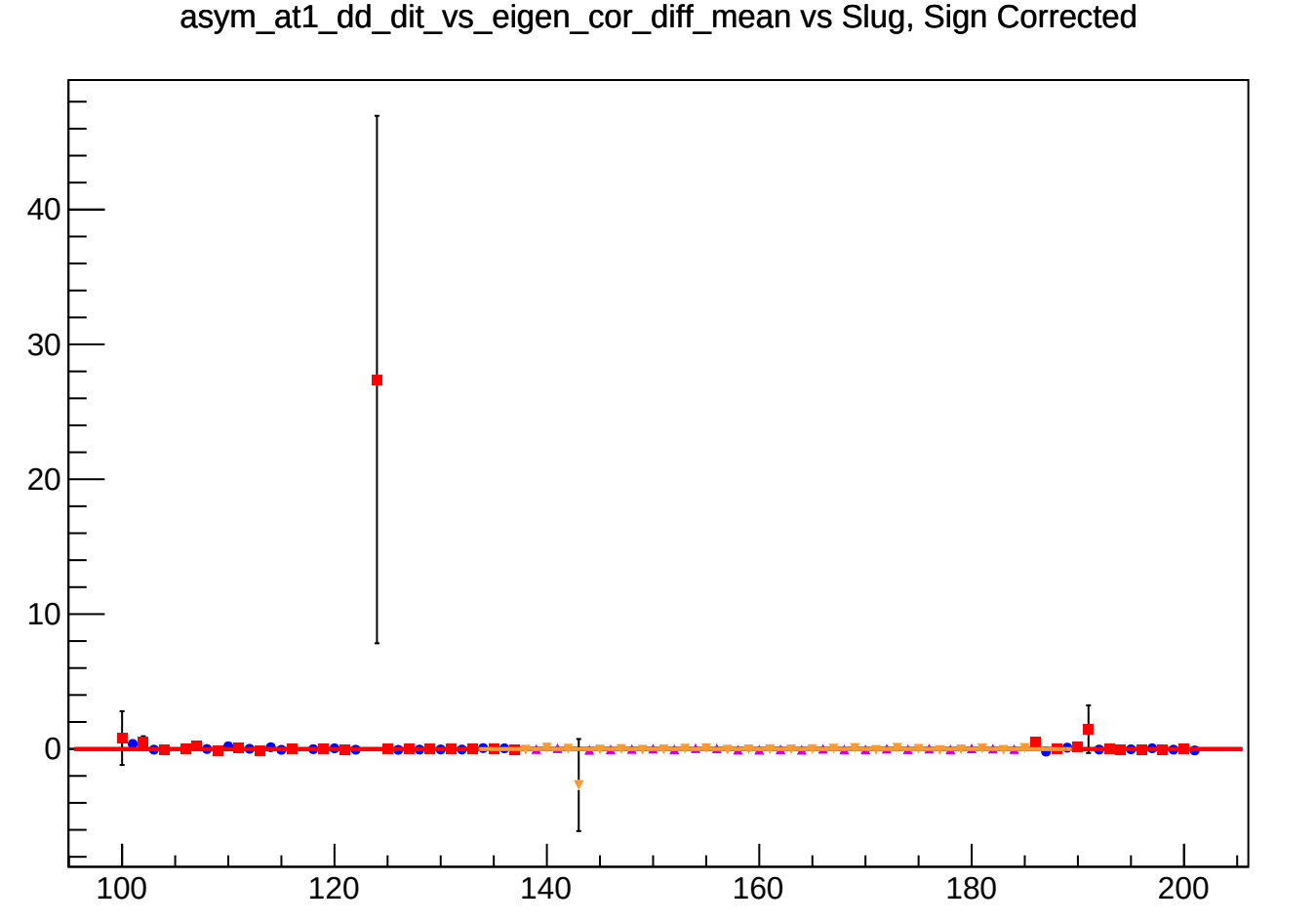
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.792+/-0.006 χ^2/NDF: 6923273.3/50

In: 34.233+/-0.005 χ^2/NDF:3538760.0/45

Out: 34.241+/-0.005 χ^2/NDF:6645231.5/52

All: 34.237+/-0.003 χ^2/NDF: 10183992.6/98



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: 25.5/27

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

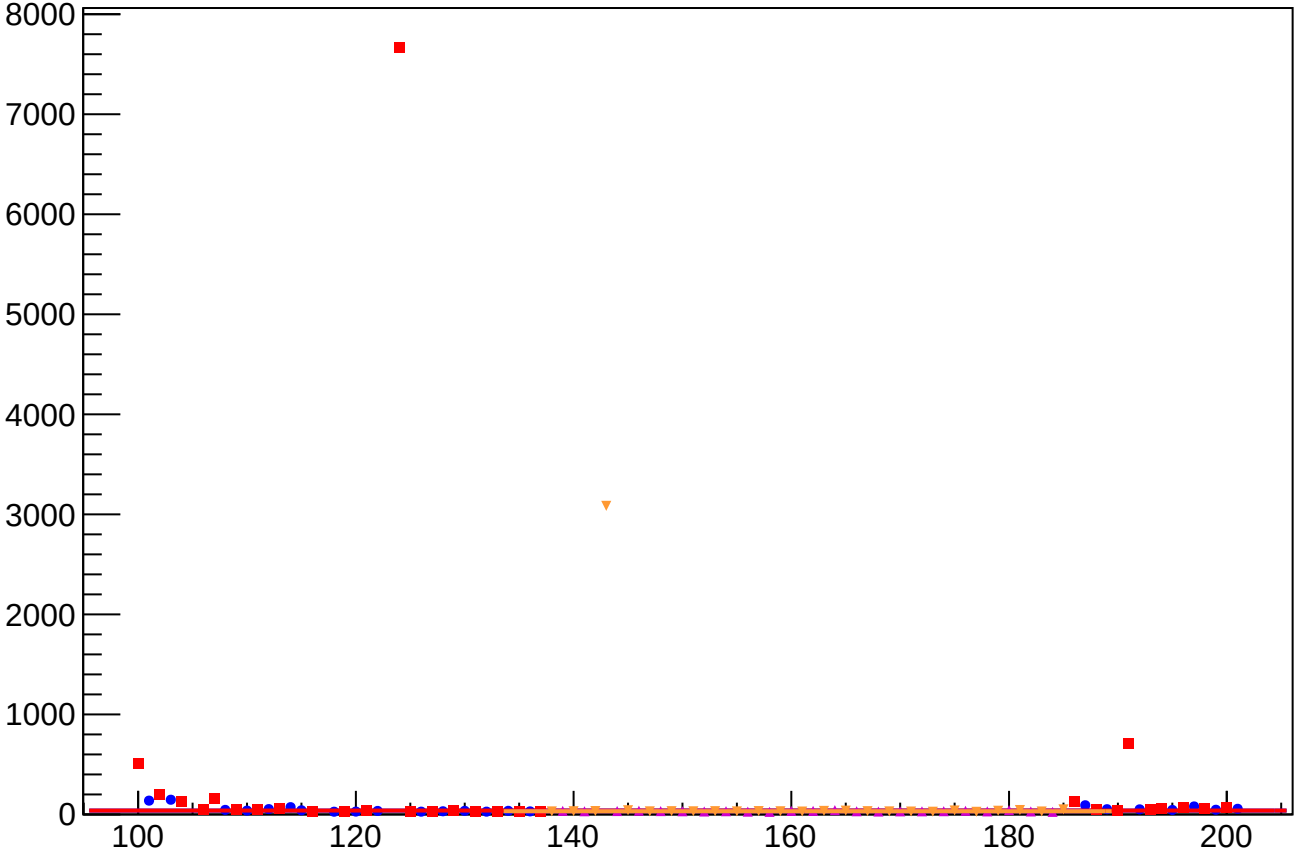
Right: -0.006+/-0.009 χ^2/NDF: 53.2/50

In: -0.005+/-0.007 χ^2/NDF:48.6/45

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.007+/-0.005 χ^2/NDF: 113.9/98

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: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

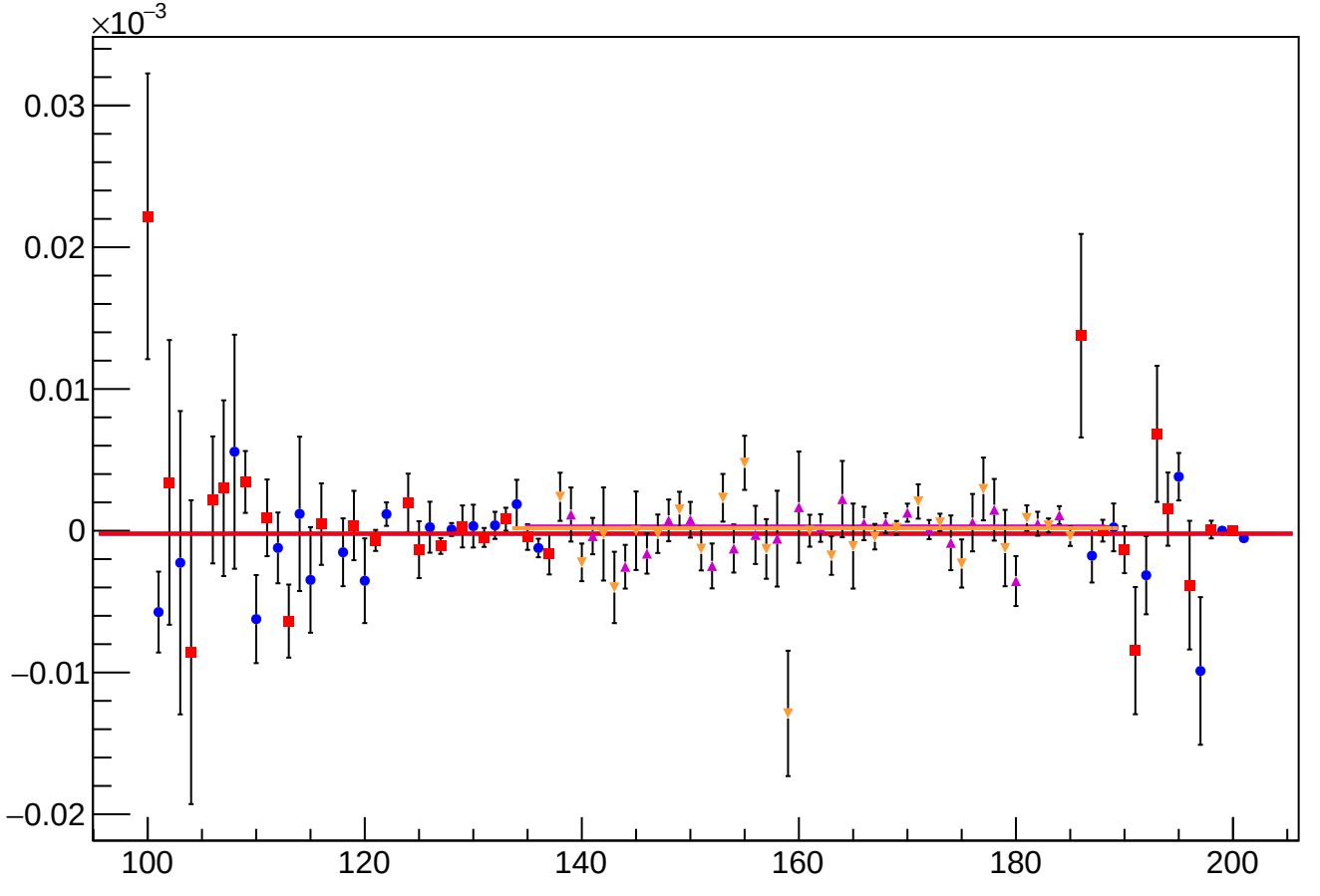
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.792+/-0.006 χ^2/NDF: 6923273.3/50

In: 34.233+/-0.005 χ^2/NDF:3538760.0/45

Out: 34.241+/-0.005 χ^2/NDF:6645231.5/52

All: 34.237+/-0.003 χ^2/NDF: 10183992.6/98



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: 33.6/27

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

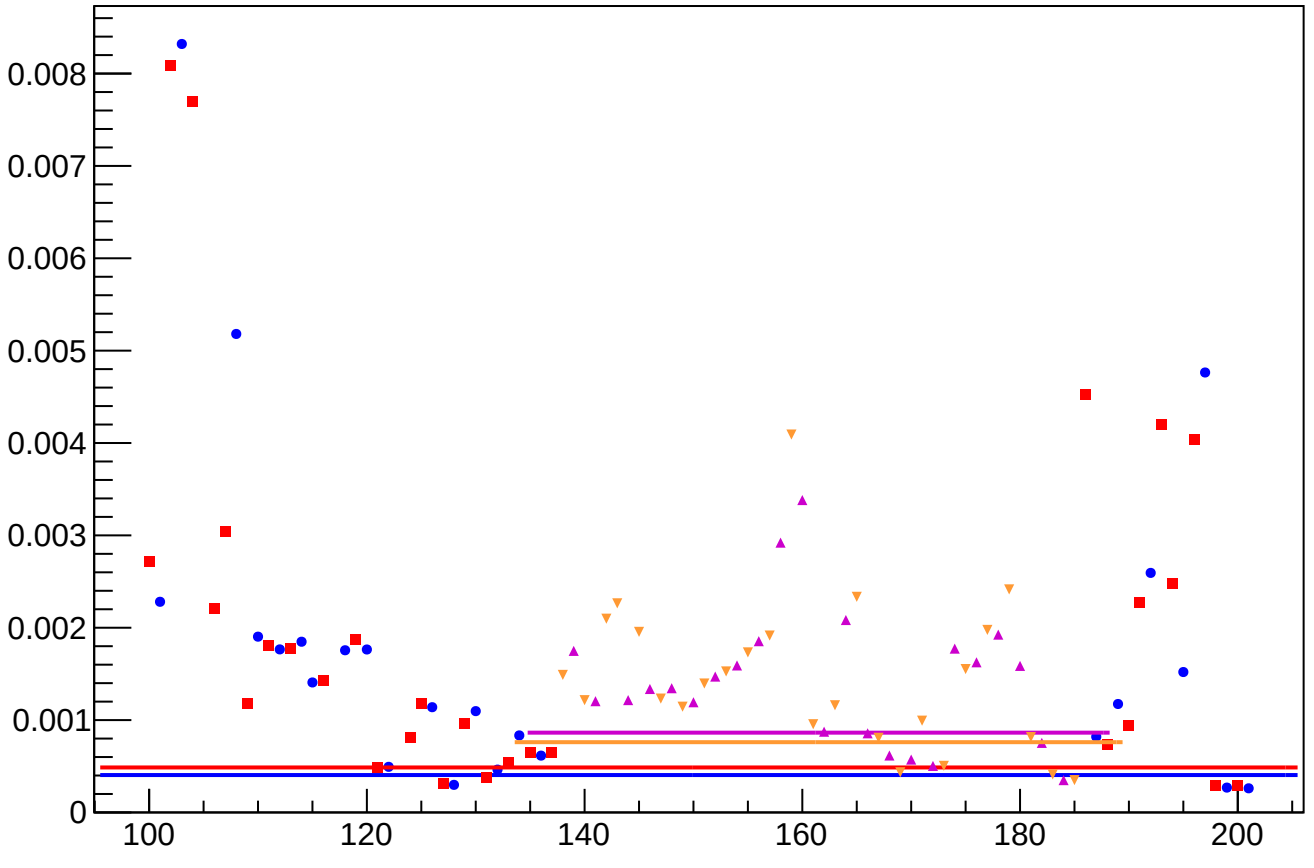
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 64.7/50

In: -0.000+/-0.000 χ^2/NDF:54.4/45

Out: -0.000+/-0.000 χ^2/NDF:73.0/52

All: -0.000+/-0.000 χ^2/NDF: 127.4/98



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: 11596938.4/27

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

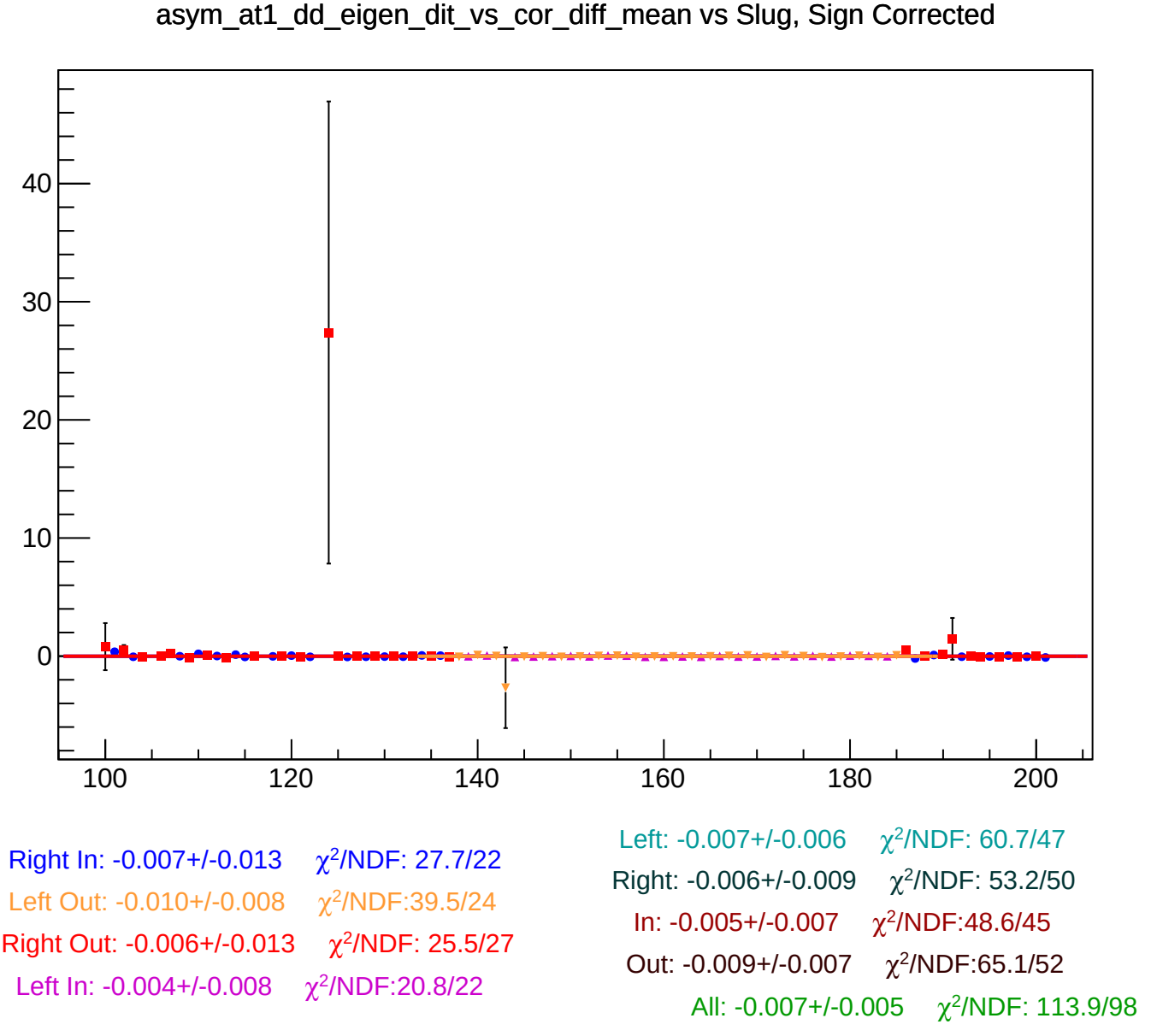
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 23059563.8/50

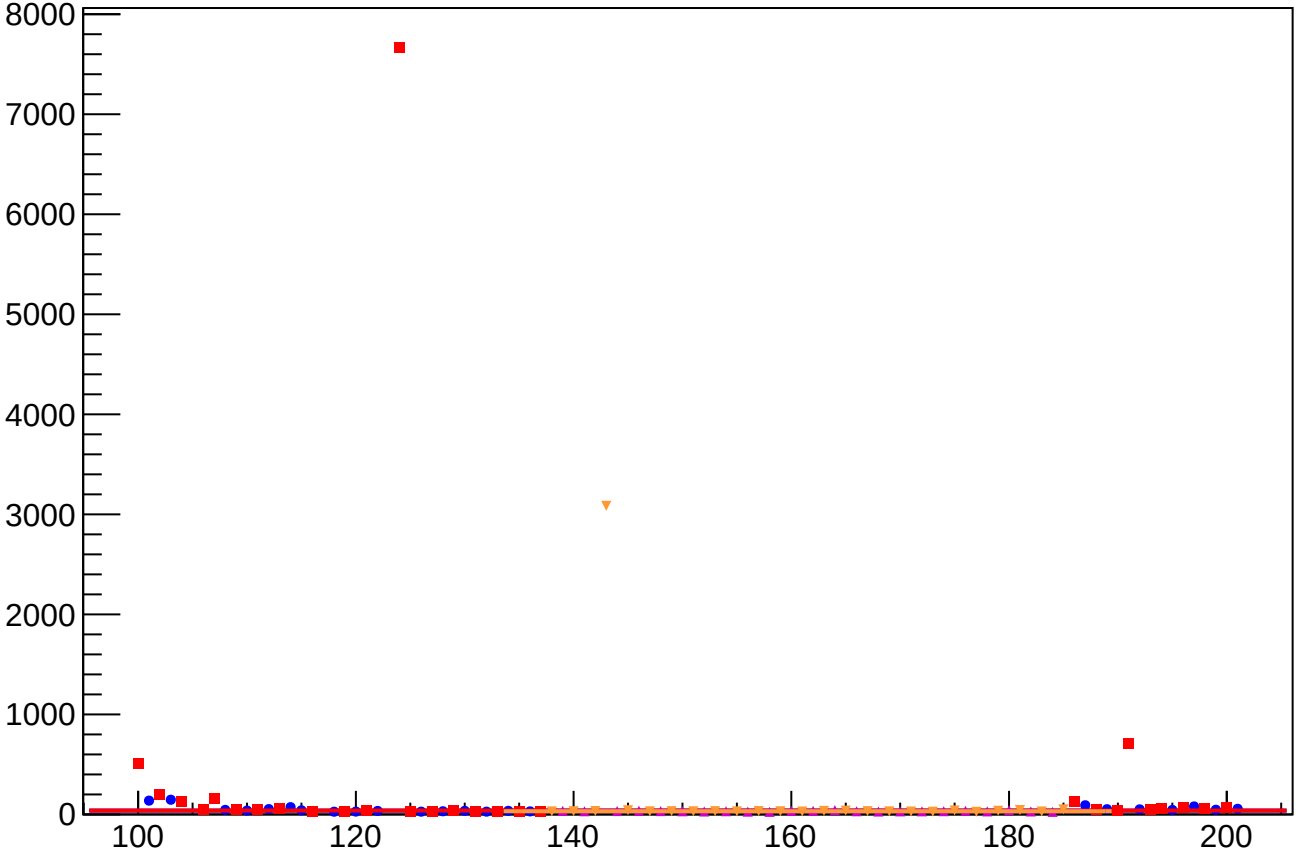
In: 0.001+/-0.000 χ^2/NDF:24670848.8/45

Out: 0.001+/-0.000 χ^2/NDF:24528200.7/52

All: 0.001+/-0.000 χ^2/NDF: 49361887.1/98


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.007+/-0.013 χ2/NDF: 27.7/22
Left Out: -0.010+/-0.008 χ2/NDF:39.5/24
Right Out: -0.006+/-0.013 χ2/NDF: 25.5/27
Left In: -0.004+/-0.008 χ2/NDF:20.8/22
Left: -0.007+/-0.006 χ2/NDF: 60.7/47
Right: -0.006+/-0.009 χ2/NDF: 53.2/50
In: -0.005+/-0.007 χ2/NDF:48.6/45
Out: -0.009+/-0.007 χ2/NDF:65.1/52
All: -0.007+/-0.005 χ2/NDF: 113.9/98

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: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

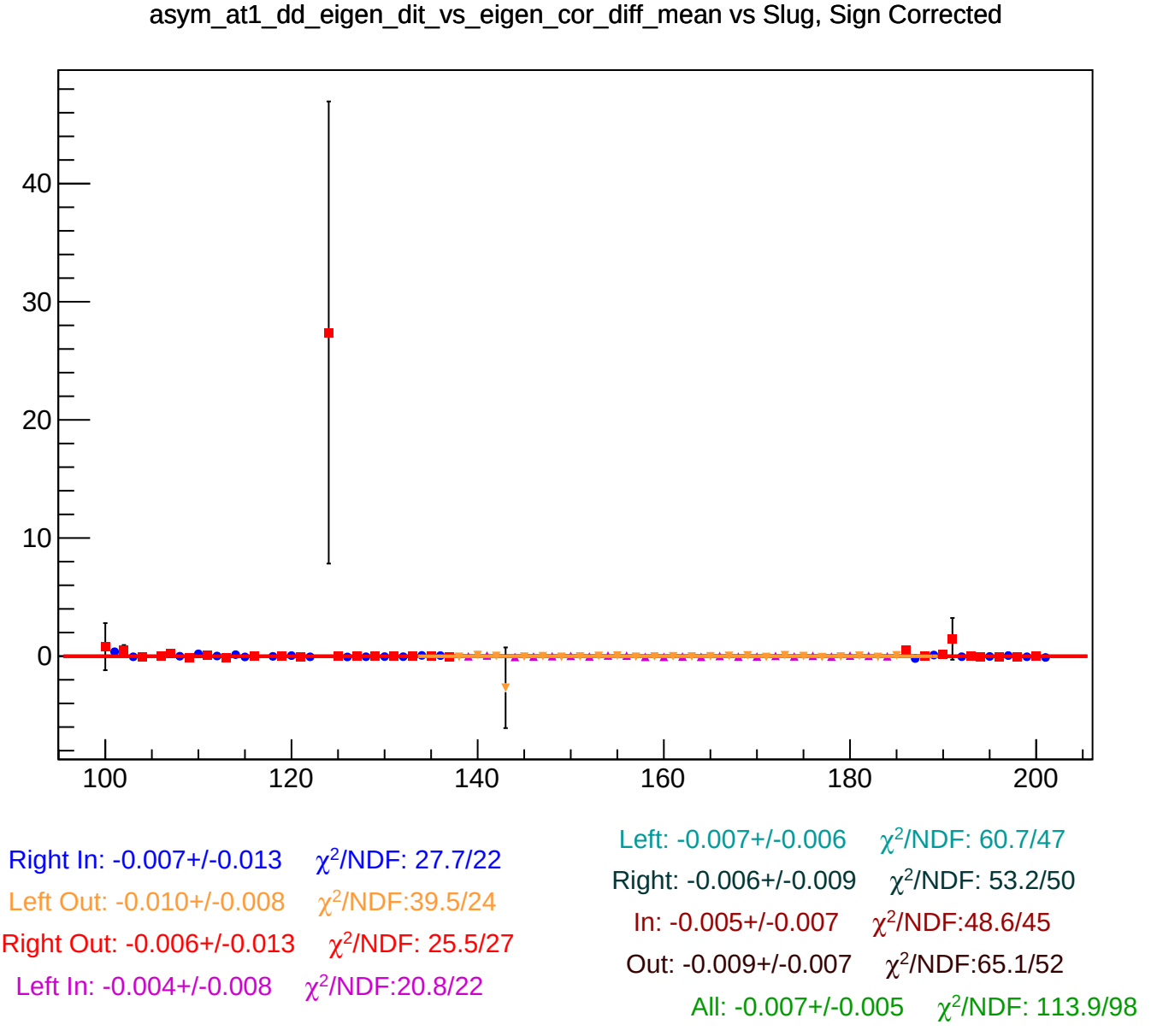
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 38.792+/-0.006 χ^2/NDF: 6923236.6/50

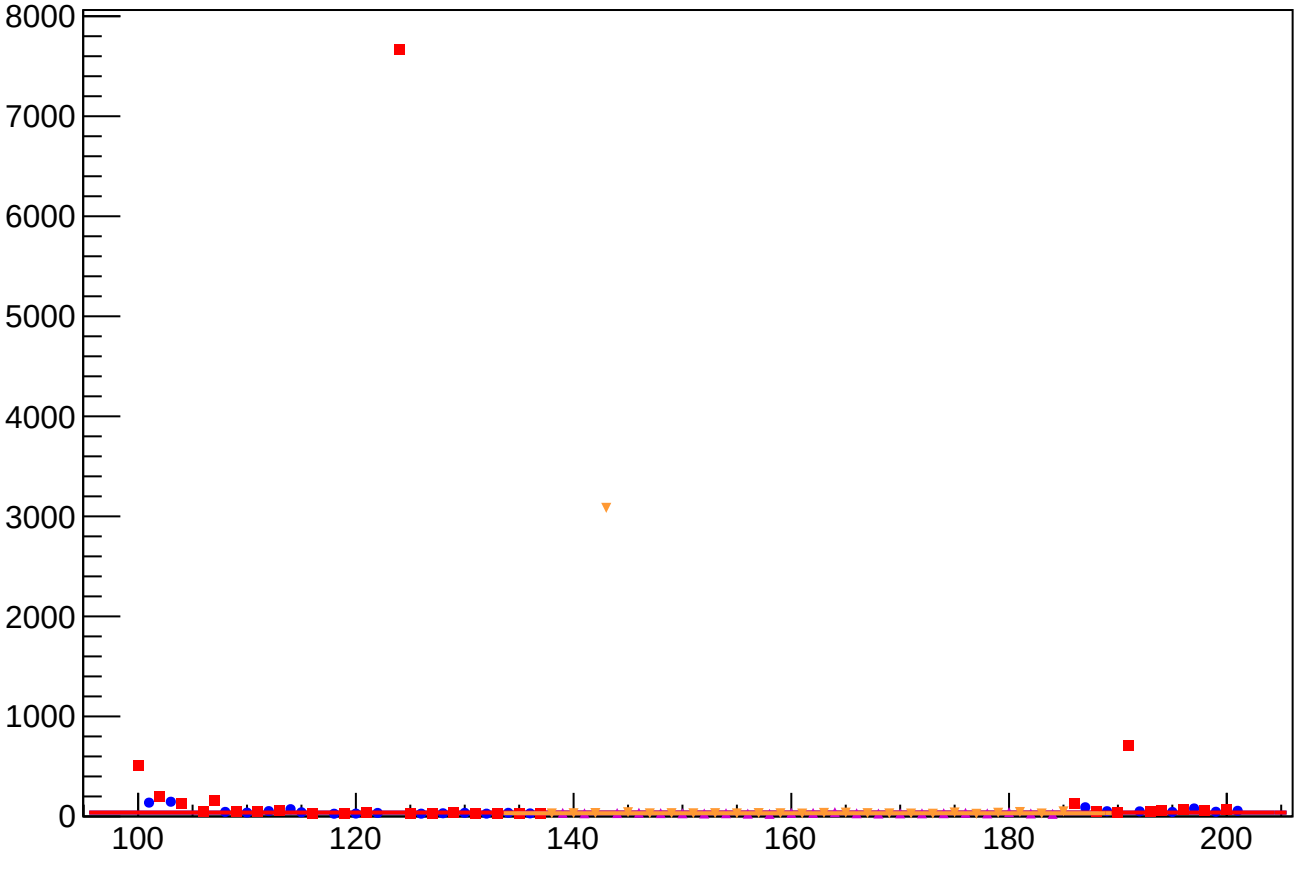
In: 34.234+/-0.005 χ^2/NDF:3538614.9/45

Out: 34.241+/-0.005 χ^2/NDF:6645263.0/52

All: 34.237+/-0.003 χ^2/NDF: 10183878.9/98


asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.007+/-0.013 χ2/NDF: 27.7/22
Left Out: -0.010+/-0.008 χ2/NDF:39.5/24
Right Out: -0.006+/-0.013 χ2/NDF: 25.5/27
Left In: -0.004+/-0.008 χ2/NDF:20.8/22
Left: -0.007+/-0.006 χ2/NDF: 60.7/47
Right: -0.006+/-0.009 χ2/NDF: 53.2/50
In: -0.005+/-0.007 χ2/NDF:48.6/45
Out: -0.009+/-0.007 χ2/NDF:65.1/52
All: -0.007+/-0.005 χ2/NDF: 113.9/98

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: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

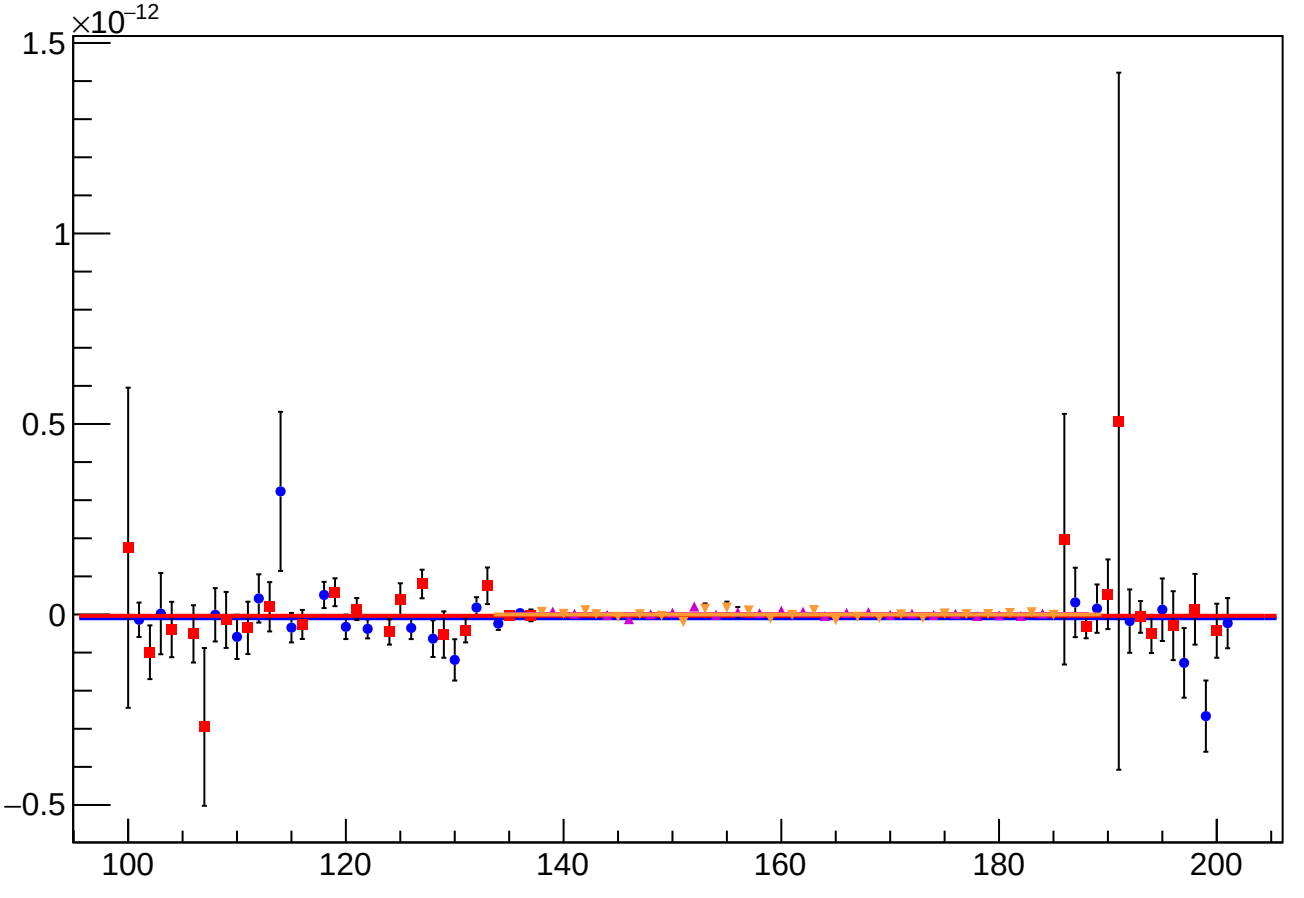
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 38.792+/-0.006 χ^2/NDF: 6923236.6/50

In: 34.234+/-0.005 χ^2/NDF:3538614.9/45

Out: 34.241+/-0.005 χ^2/NDF:6645263.0/52

All: 34.237+/-0.003 χ^2/NDF: 10183878.9/98



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: 24.3/27

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

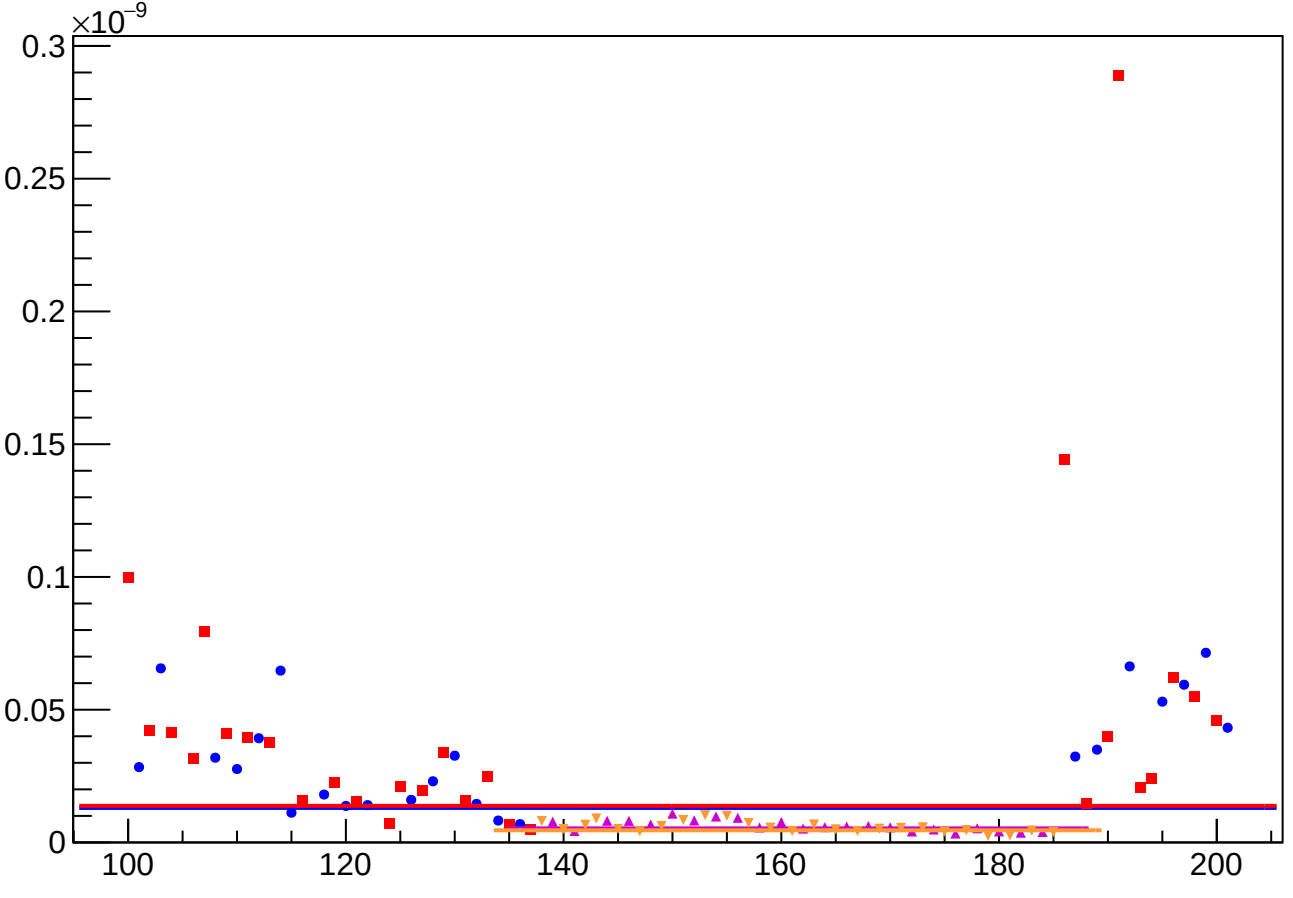
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/50

In: 0.000+/-0.000 χ^2/NDF:41.0/45

Out: -0.000+/-0.000 χ^2/NDF:45.6/52

All: 0.000+/-0.000 χ^2/NDF: 86.7/98



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: 6031842.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

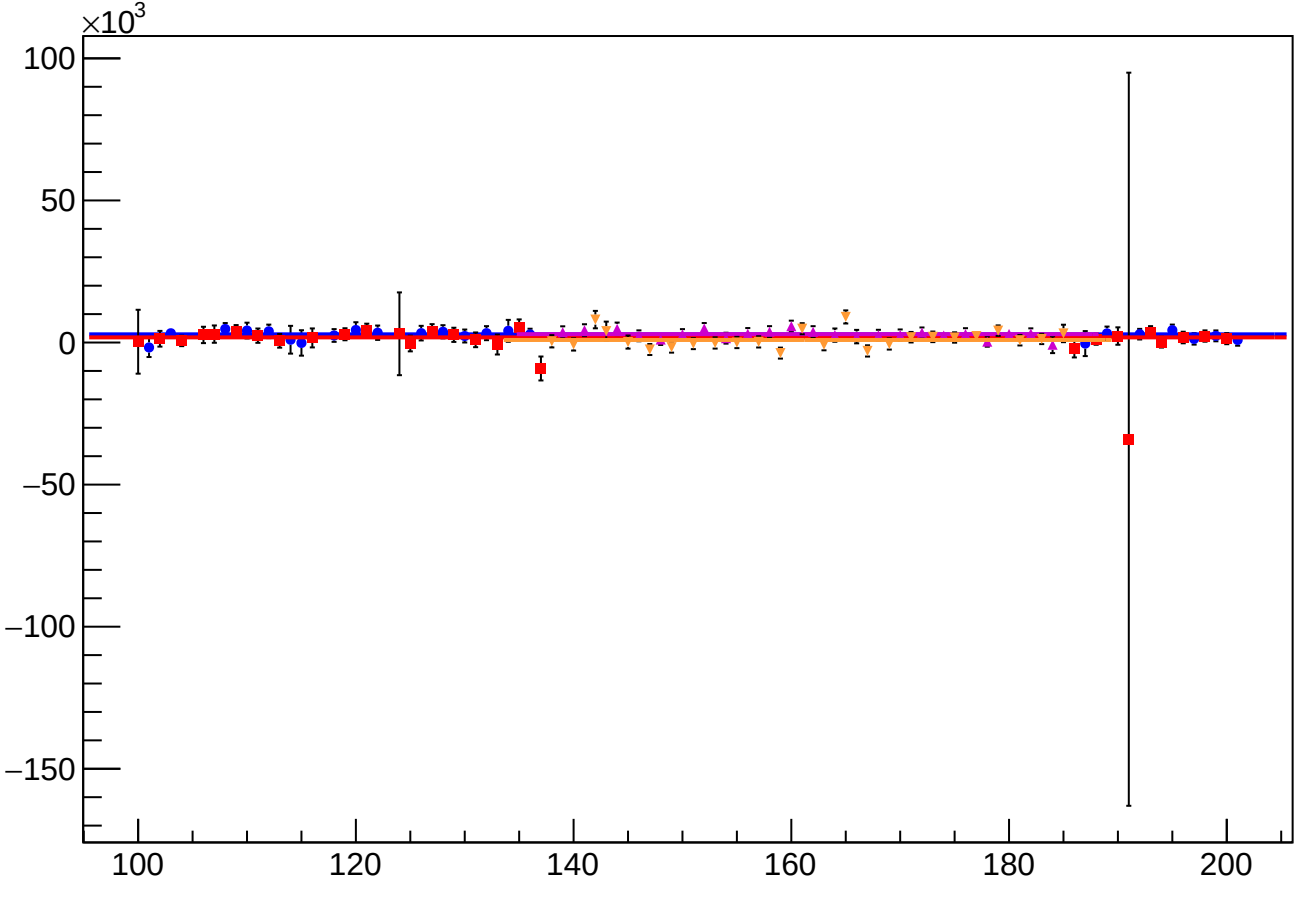
Right: 0.000+/-0.000 χ^2/NDF: 12337038.0/50

In: 0.000+/-0.000 χ^2/NDF:11365569.7/45

Out: 0.000+/-0.000 χ^2/NDF:12341001.5/52

All: 0.000+/-0.000 χ^2/NDF: 23991499.0/98

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: 1811.071+/-480.560 χ^2/NDF: 18.0/27

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

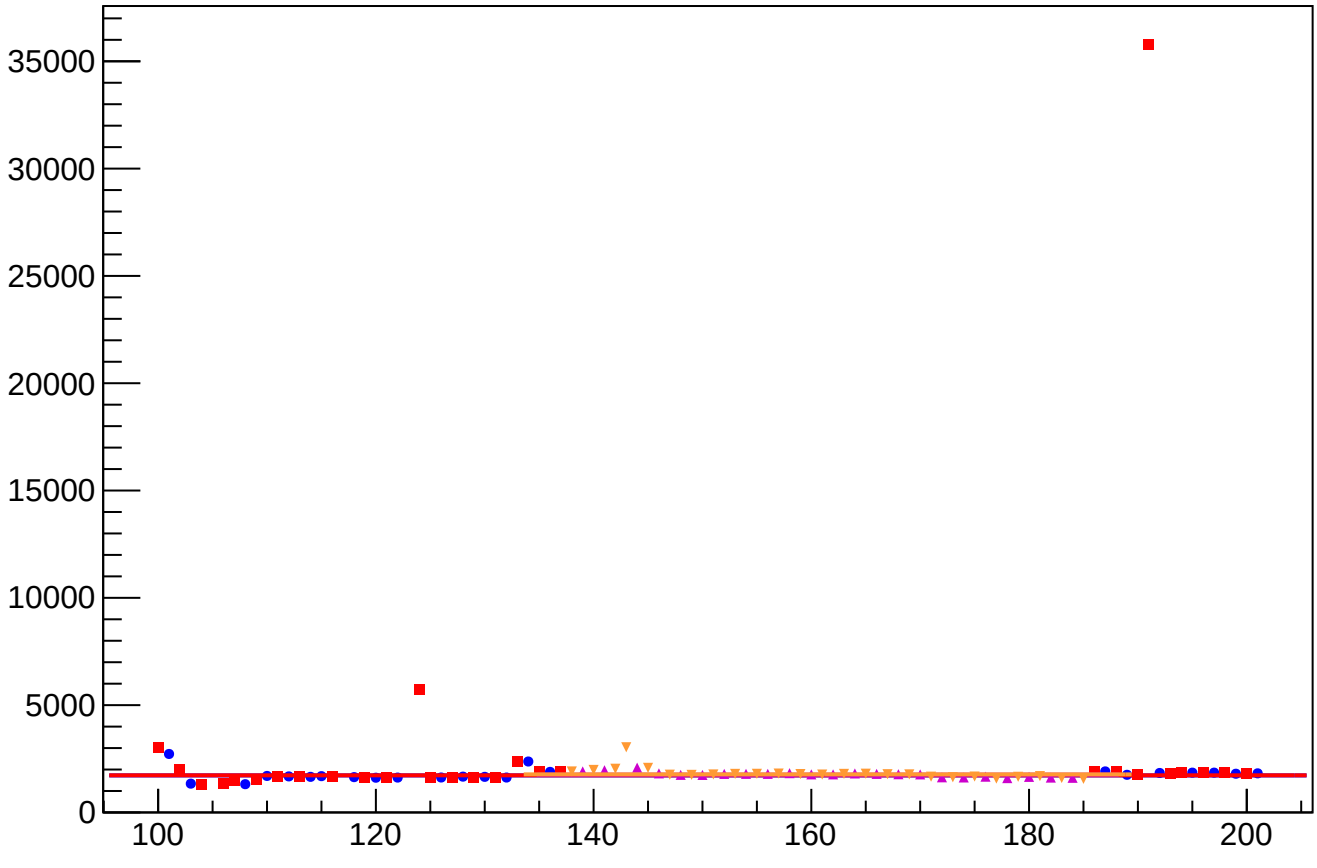
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2329.374+/-345.155 χ^2/NDF: 27.7/50

In: 2918.116+/-316.972 χ^2/NDF:17.9/45

Out: 1278.321+/-309.930 χ^2/NDF:65.3/52

All: 2079.800+/-221.601 χ^2/NDF: 96.9/98



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: 1730.171+/-0.340 χ^2/NDF: 664798.6/27

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

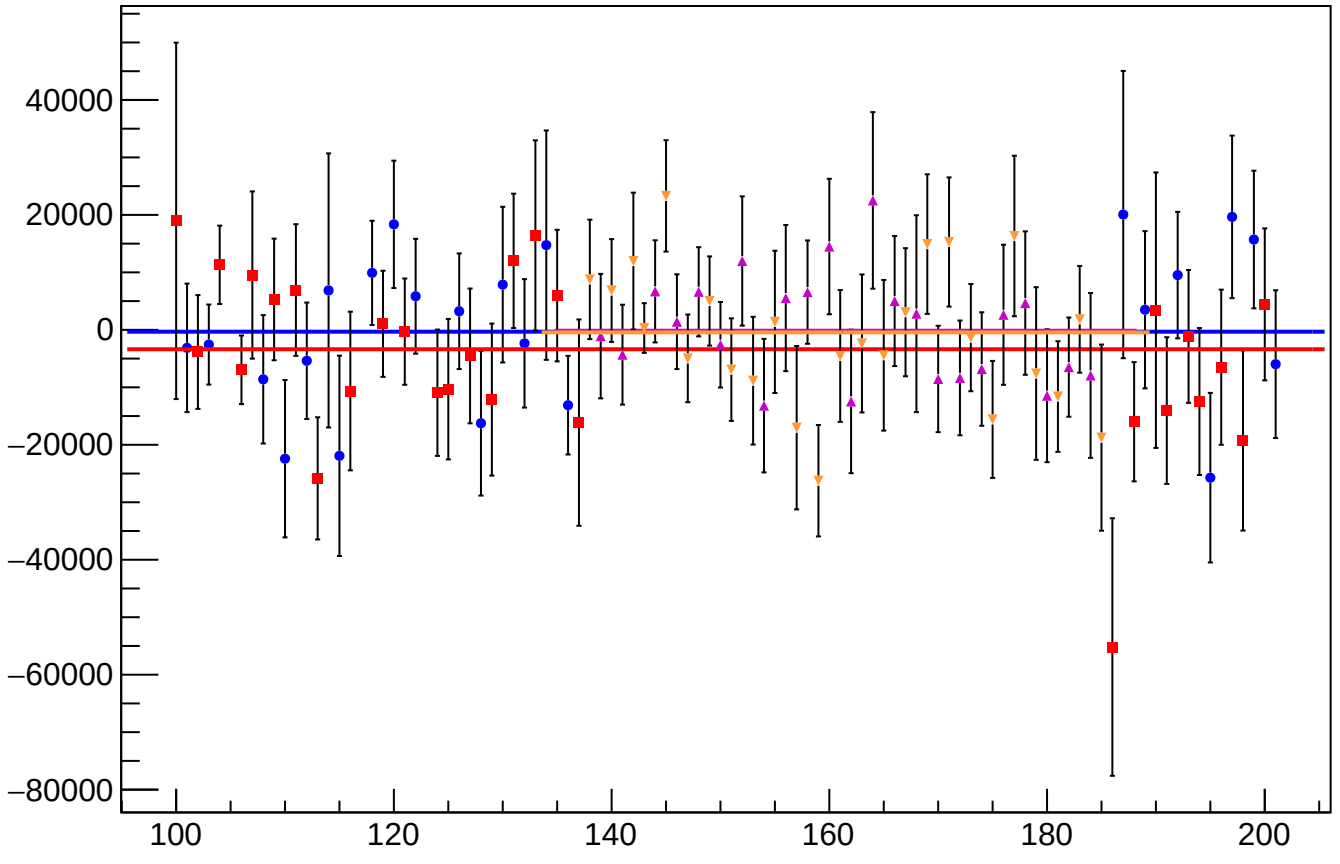
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1727.728+/-0.244 χ^2/NDF: 1136499.3/50

In: 1746.404+/-0.224 χ^2/NDF:624080.6/45

Out: 1756.197+/-0.219 χ^2/NDF:1121737.7/52

All: 1751.410+/-0.157 χ^2/NDF: 1746794.1/98



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: -3373.660+/-2144.796 χ^2/NDF: 28.0/27

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

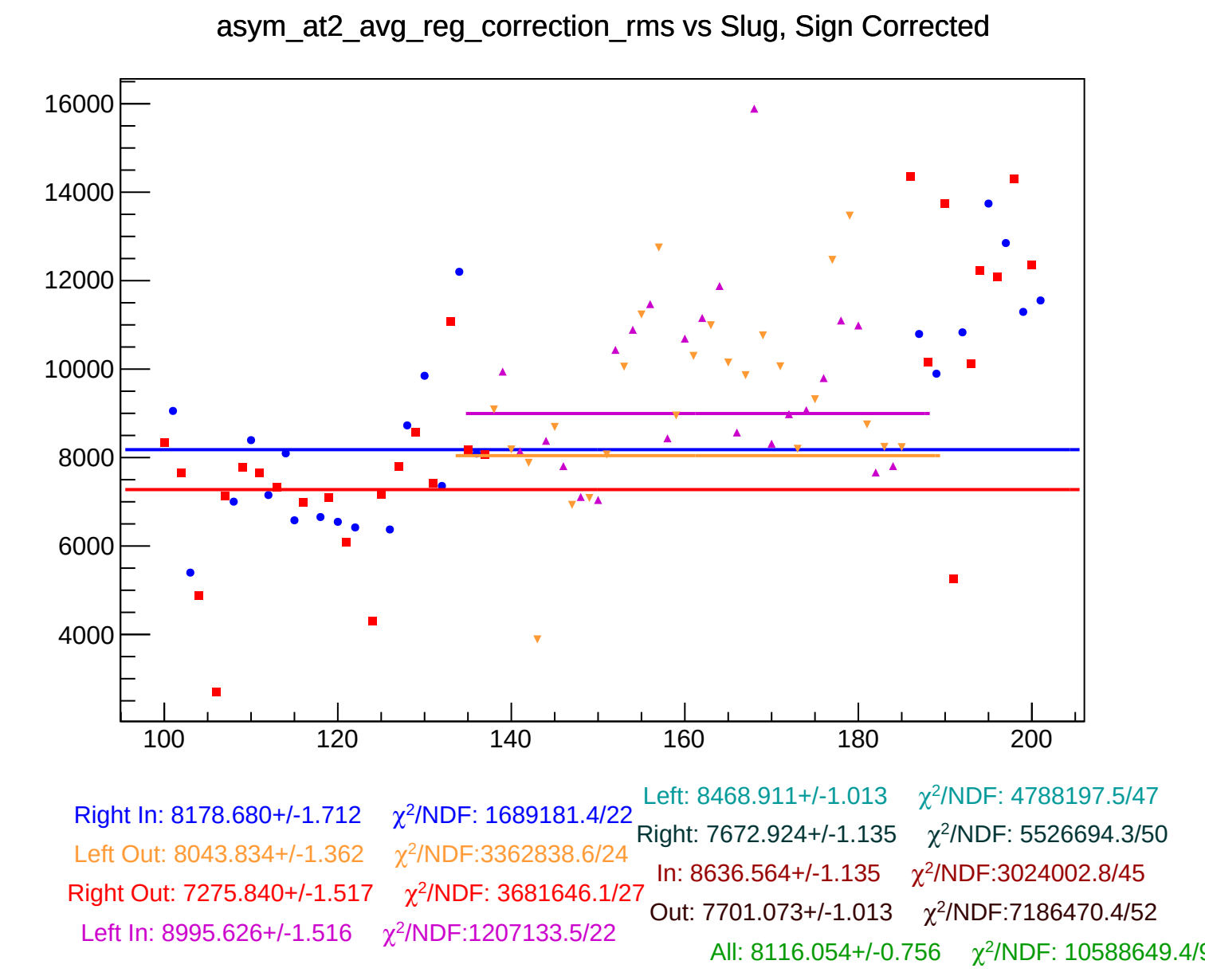
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

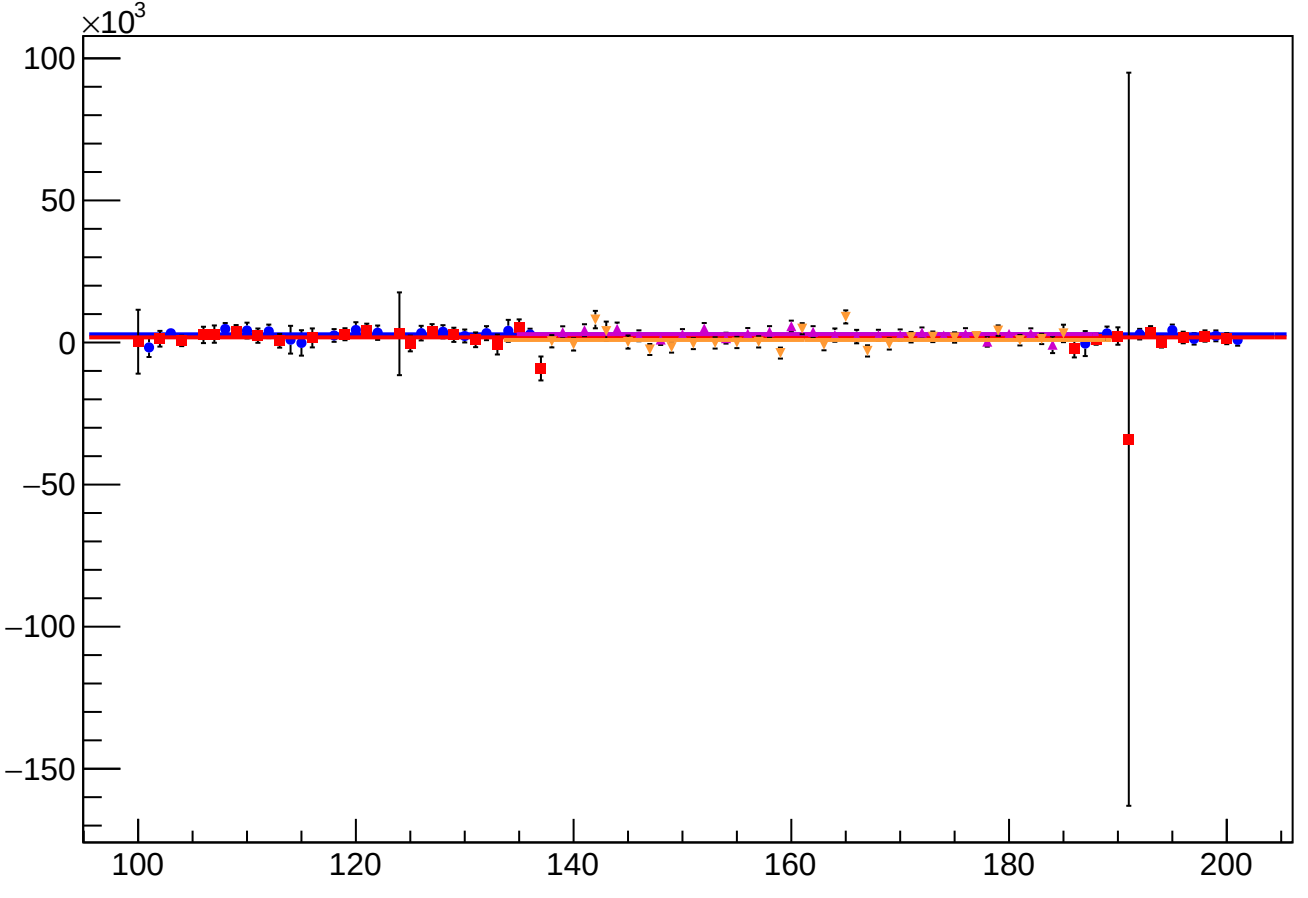
Right: -2031.053+/-1605.279 χ^2/NDF: 52.0/50

In: -228.117+/-1604.731 χ^2/NDF:36.9/45

Out: -1751.161+/-1432.855 χ^2/NDF:58.5/52

All: -1075.543+/-1068.801 χ^2/NDF: 95.9/98


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: 7275.840+/-1.517 χ²/NDF: 3681646.1/27
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7672.924+/-1.135 χ²/NDF: 5526694.3/50
In: 8636.564+/-1.135 χ²/NDF:3024002.8/45
Out: 7701.073+/-1.013 χ²/NDF:7186470.4/52
All: 8116.054+/-0.756 χ²/NDF: 10588649.4/9



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: 1810.978+/-480.560 χ^2/NDF: 18.0/27

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

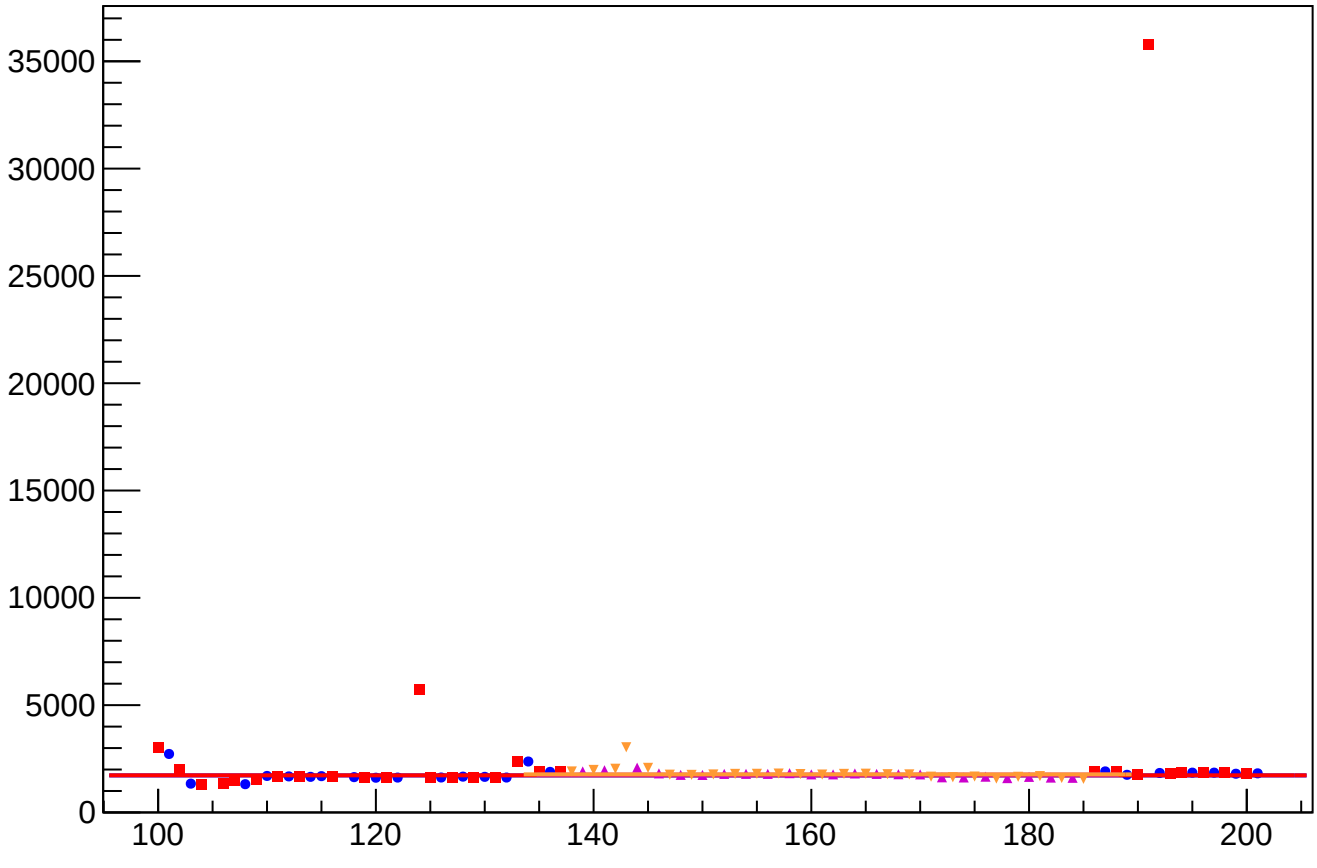
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2329.365+/-345.155 χ^2/NDF: 27.6/50

In: 2918.082+/-316.972 χ^2/NDF:17.9/45

Out: 1278.235+/-309.930 χ^2/NDF:65.3/52

All: 2079.740+/-221.601 χ^2/NDF: 96.9/98



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: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

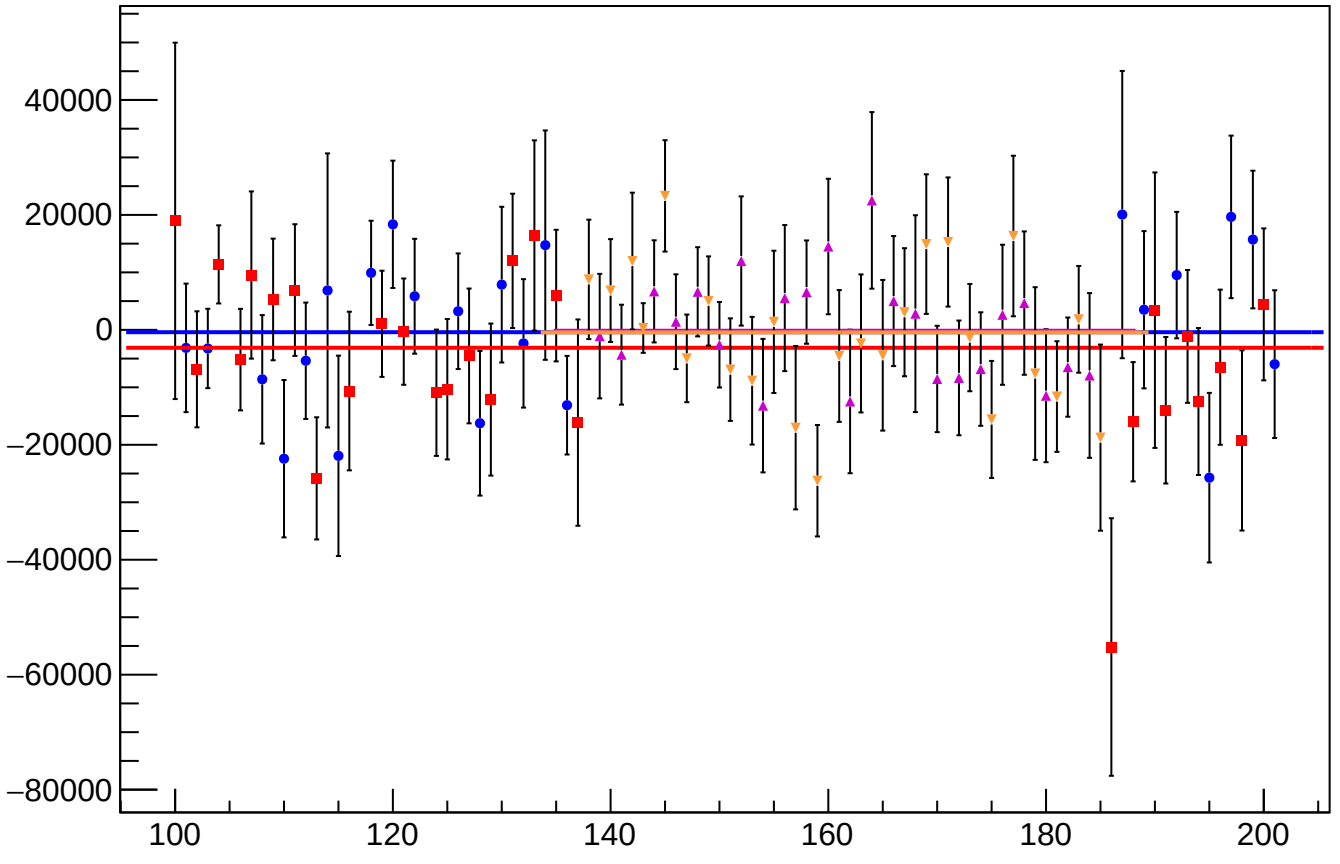
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1727.728+/-0.244 χ^2/NDF: 1136499.9/50

In: 1746.404+/-0.224 χ^2/NDF:624081.0/45

Out: 1756.197+/-0.219 χ^2/NDF:1121738.0/52

All: 1751.410+/-0.157 χ^2/NDF: 1746794.8/98



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: -3117.613+/-2225.786 χ^2/NDF: 27.9/27

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

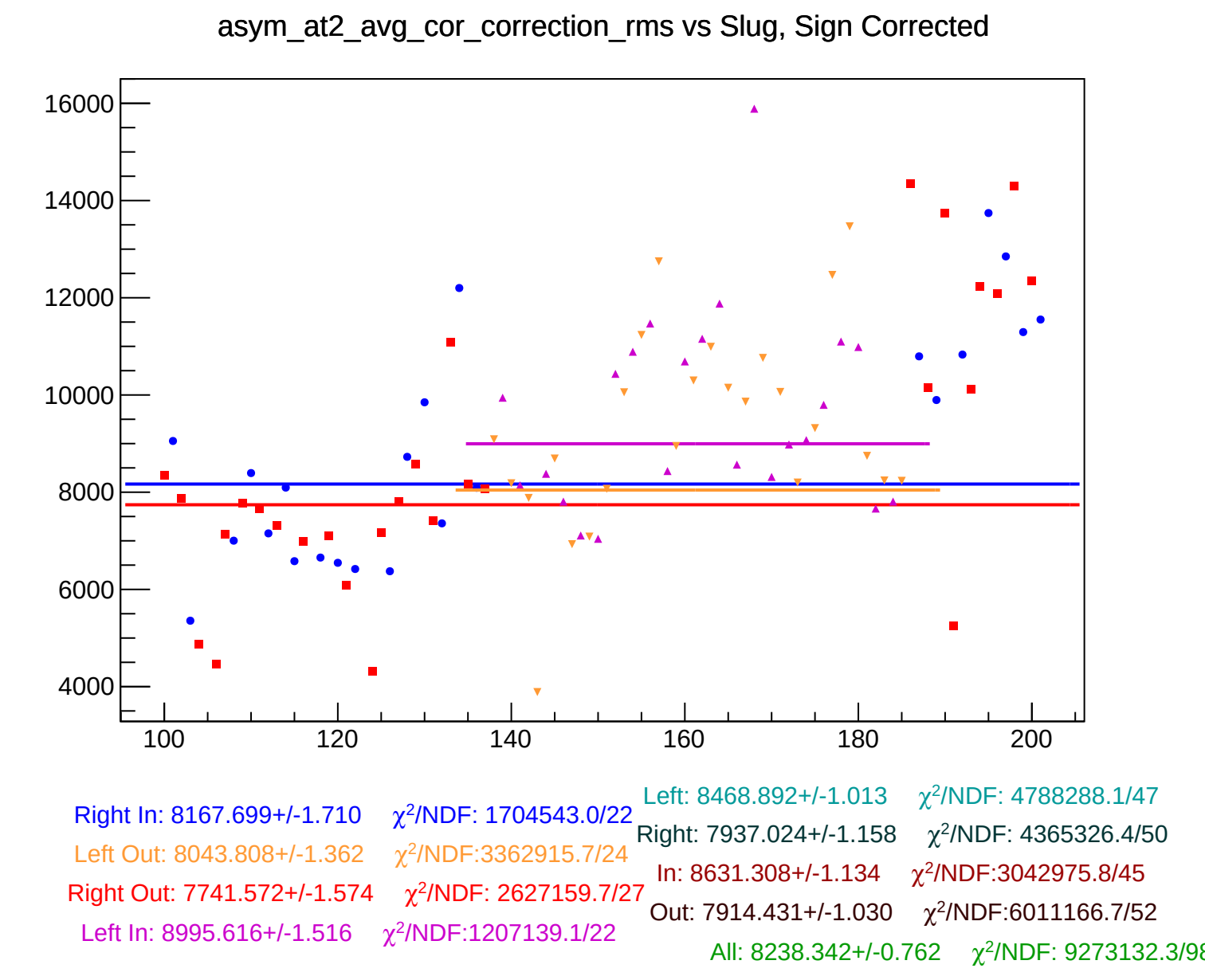
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

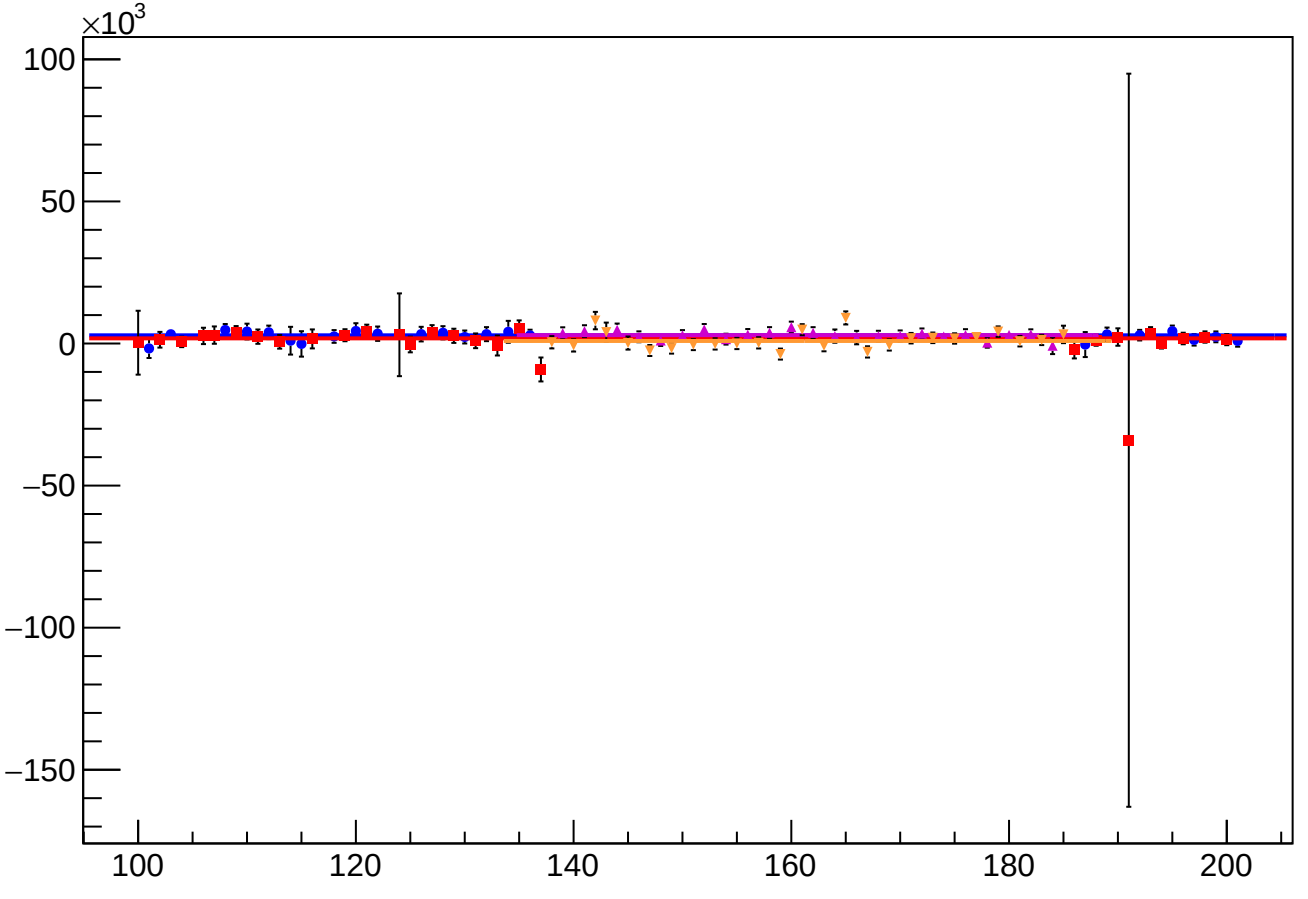
Right: -1875.253+/-1637.622 χ^2/NDF: 51.7/50

In: -266.906+/-1603.996 χ^2/NDF:37.0/45

Out: -1588.134+/-1456.260 χ^2/NDF:58.2/52

All: -991.155+/-1078.187 χ^2/NDF: 95.5/98


asym_at2_avg_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: 7741.572+/-1.574 χ²/NDF: 2627159.7/27
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7937.024+/-1.158 χ²/NDF: 4365326.4/50
In: 8631.308+/-1.134 χ²/NDF:3042975.8/45
Out: 7914.431+/-1.030 χ²/NDF:6011166.7/52
All: 8238.342+/-0.762 χ²/NDF: 9273132.3/98



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: 1810.978+/-480.560 χ^2/NDF: 18.0/27

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

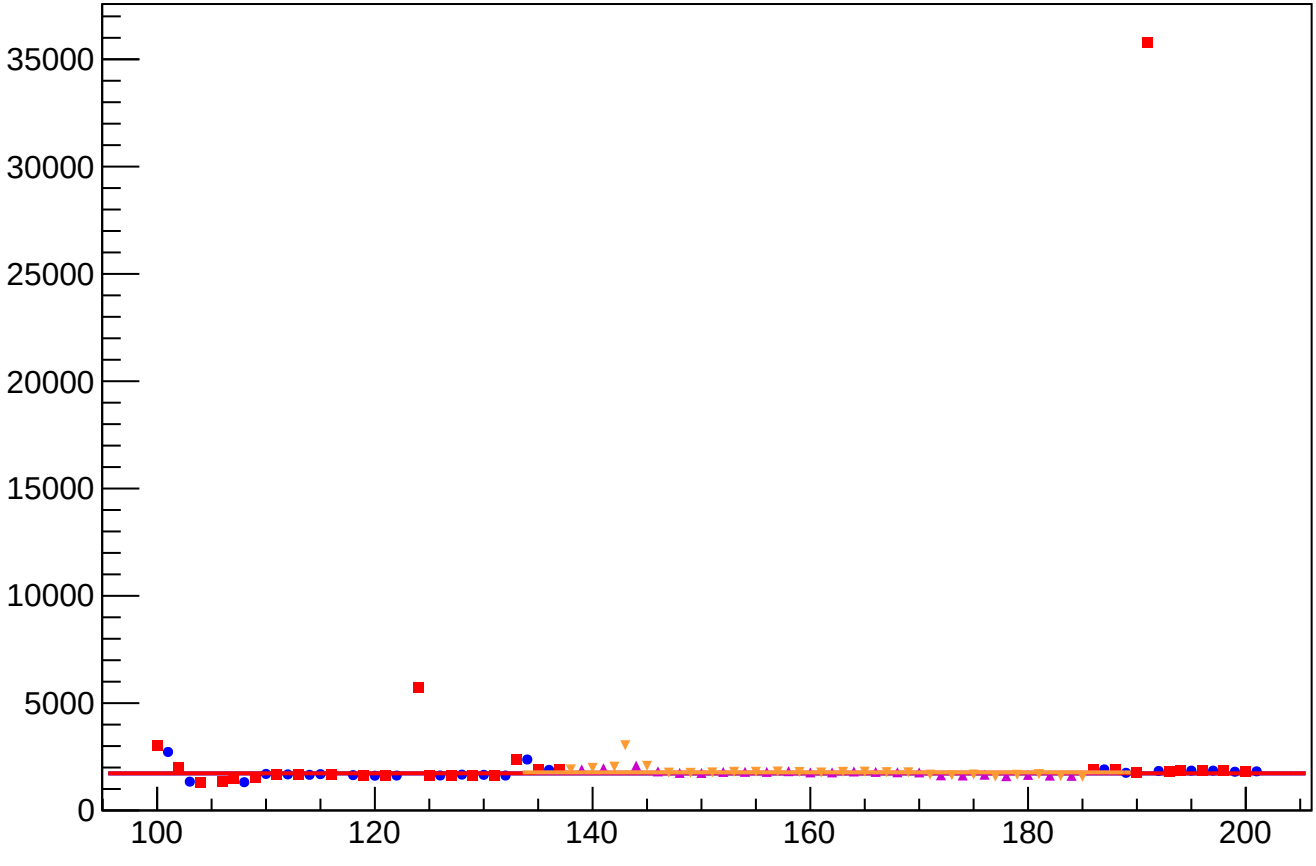
Right: 2329.365+/-345.155 χ^2/NDF: 27.6/50

In: 2918.082+/-316.972 χ^2/NDF:17.9/45

Out: 1278.235+/-309.930 χ^2/NDF:65.3/52

All: 2079.740+/-221.601 χ^2/NDF: 96.9/98

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: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

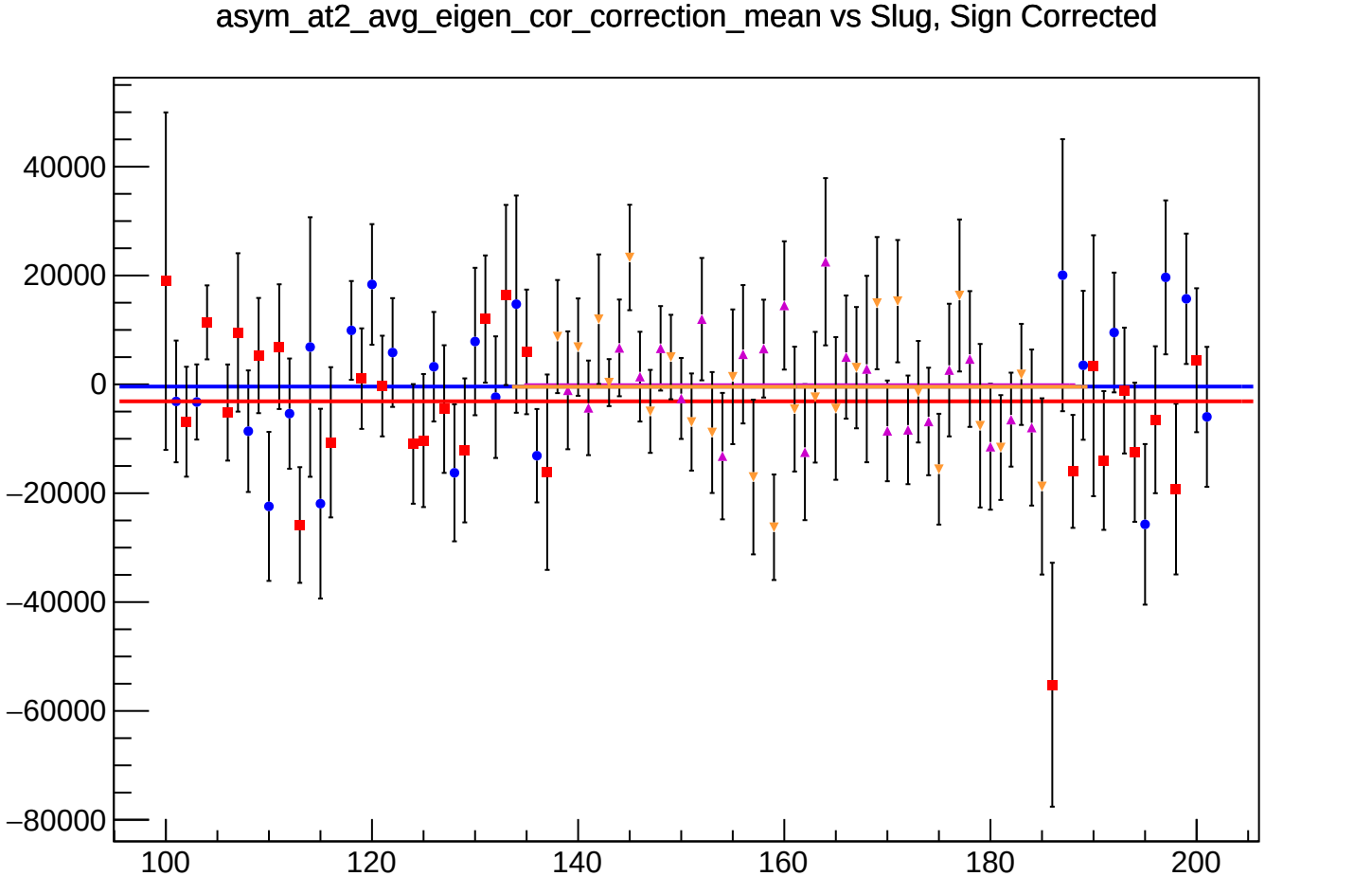
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1727.728+/-0.244 χ^2/NDF: 1136499.9/50

In: 1746.404+/-0.224 χ^2/NDF:624081.0/45

Out: 1756.197+/-0.219 χ^2/NDF:1121738.0/52

All: 1751.410+/-0.157 χ^2/NDF: 1746794.8/98



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: -3117.613+/-2225.786 χ^2/NDF: 27.9/27

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

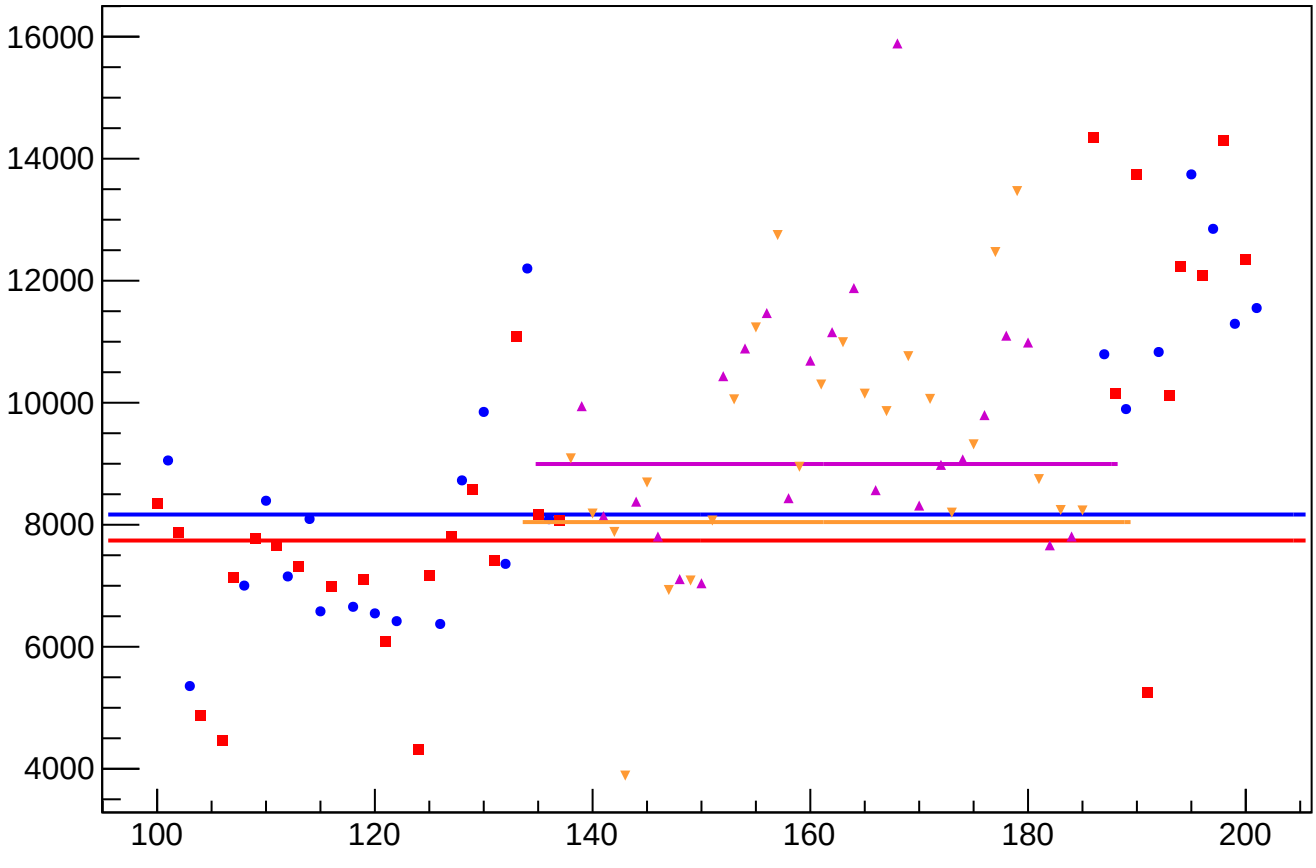
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1875.253+/-1637.622 χ^2/NDF: 51.7/50

In: -266.906+/-1603.996 χ^2/NDF:37.0/45

Out: -1588.134+/-1456.260 χ^2/NDF:58.2/52

All: -991.155+/-1078.187 χ^2/NDF: 95.5/98



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: 7741.572+/-1.574 χ^2/NDF: 2627159.7/27

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

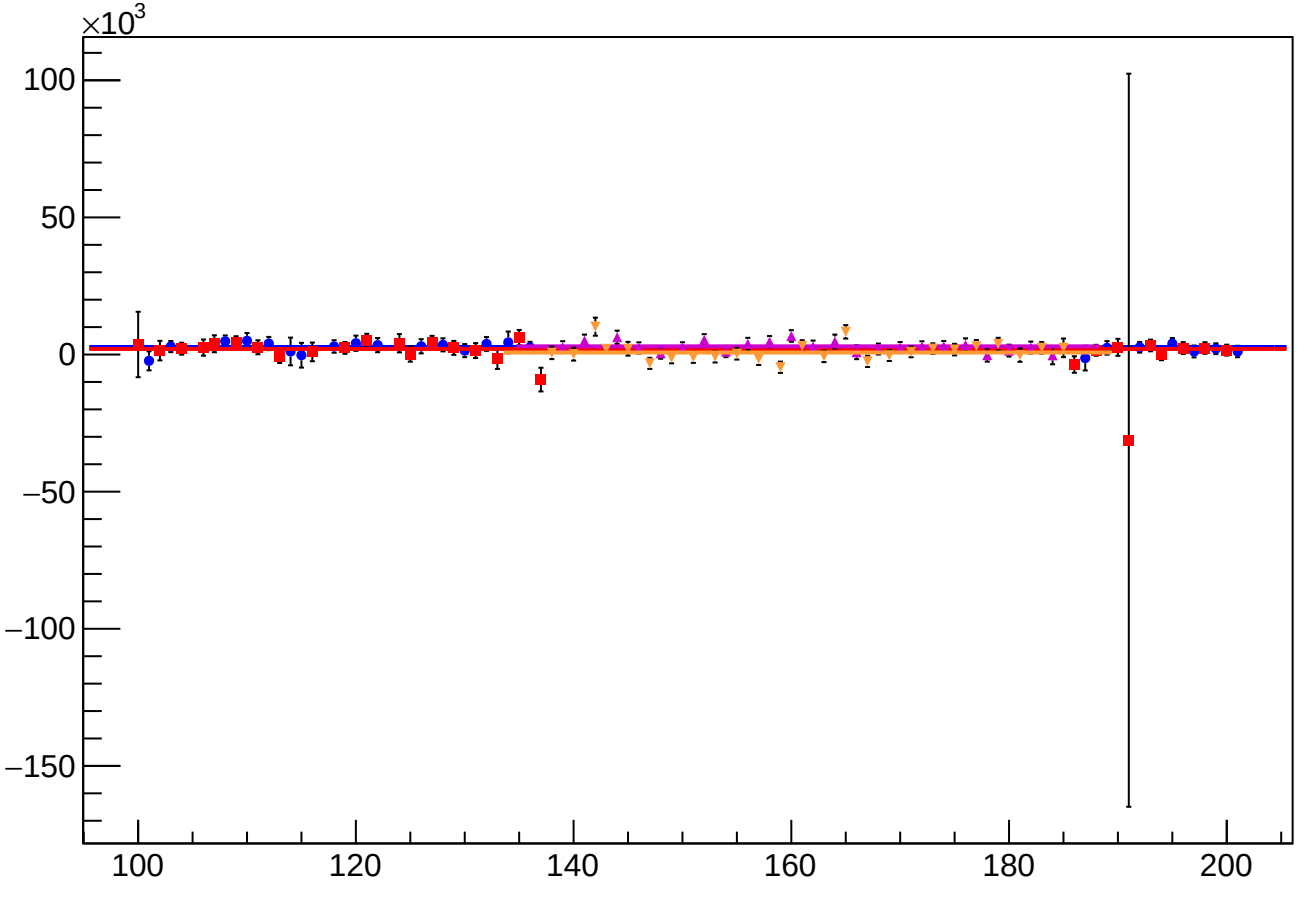
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7937.024+/-1.158 χ^2/NDF: 4365326.4/50

In: 8631.308+/-1.134 χ^2/NDF:3042975.8/45

Out: 7914.431+/-1.030 χ^2/NDF:6011166.7/52

All: 8238.342+/-0.762 χ^2/NDF: 9273132.3/98



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: 2039.319+/-494.572 χ^2/NDF: 21.7/27

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

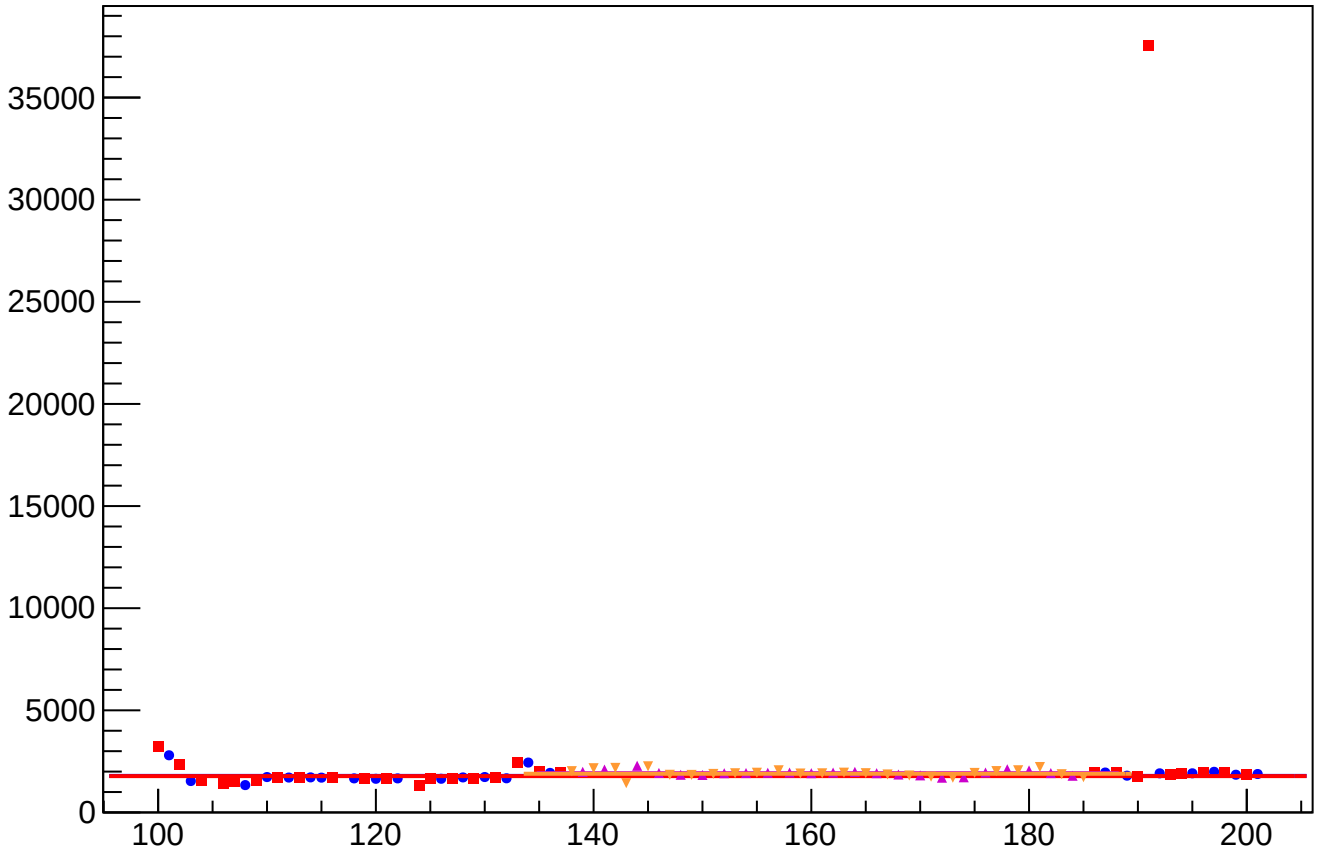
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2379.906+/-356.557 χ^2/NDF: 30.7/50

In: 2879.148+/-338.868 χ^2/NDF:23.8/45

Out: 1303.060+/-325.732 χ^2/NDF:67.2/52

All: 2059.966+/-234.834 χ^2/NDF: 102.3/98



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: 1778.923+/-0.350 χ^2/NDF: 529599.9/27

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

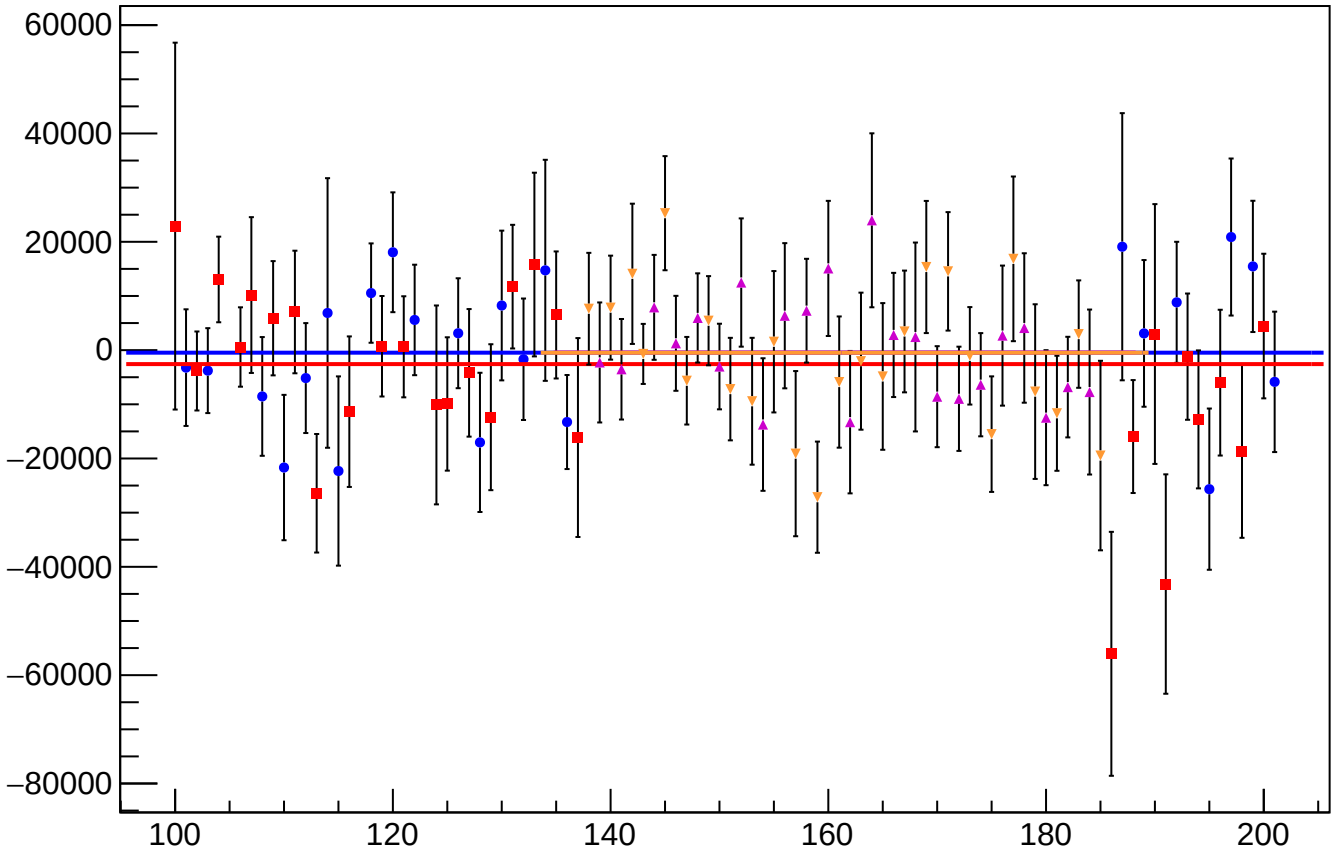
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1784.287+/-0.252 χ^2/NDF: 956225.9/50

In: 1865.371+/-0.240 χ^2/NDF:652719.2/45

Out: 1844.458+/-0.230 χ^2/NDF:960244.6/52

All: 1854.500+/-0.166 χ^2/NDF: 1616923.6/98



Right In: -468.142+/-2462.934 χ^2/NDF: 23.0/22

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2575.749+/-2234.857 χ^2/NDF: 30.6/27

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

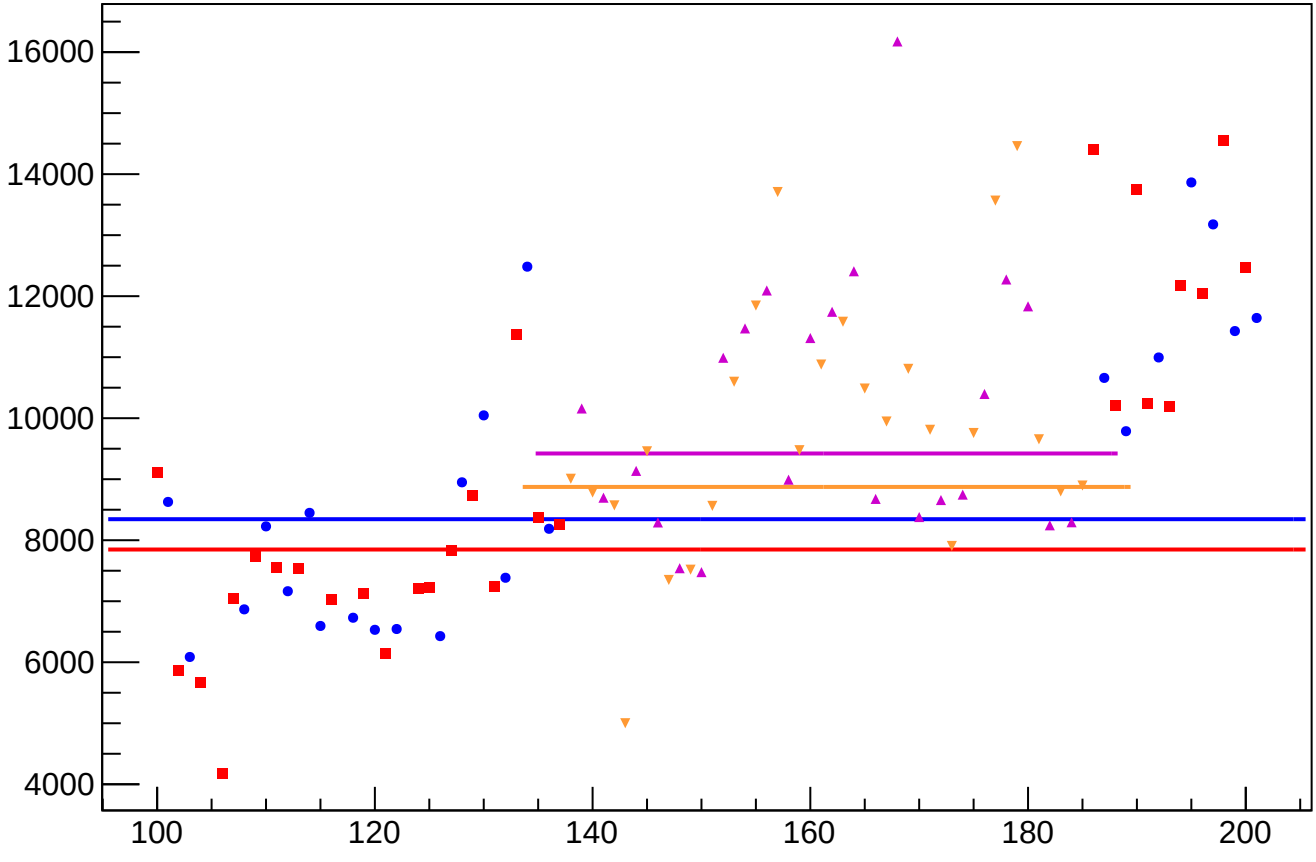
Right: -1624.029+/-1655.056 χ^2/NDF: 54.0/50

In: -450.979+/-1659.235 χ^2/NDF:36.6/45

Out: -1457.023+/-1526.198 χ^2/NDF:59.8/52

All: -995.944+/-1123.277 χ^2/NDF: 96.6/98

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8344.717+/-1.742 χ^2/NDF: 1542127.4/22

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7847.777+/-1.580 χ^2/NDF: 2533939.4/27

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

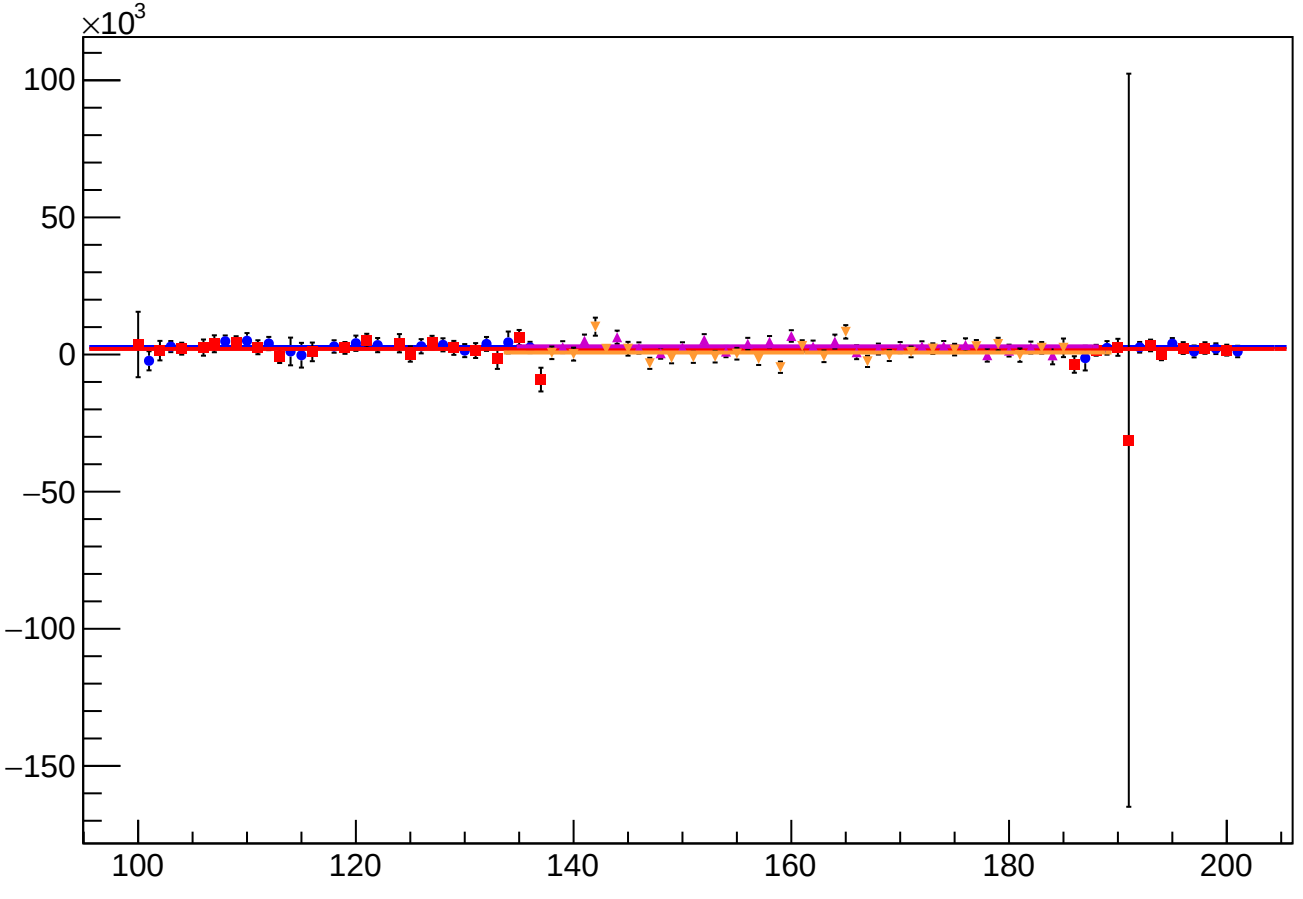
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8072.178+/-1.170 χ^2/NDF: 4120720.5/50

In: 8932.918+/-1.173 χ^2/NDF:2955838.6/45

Out: 8395.192+/-1.079 χ^2/NDF:4962051.1/52

All: 8641.636+/-0.794 χ^2/NDF: 8031675.3/98



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: 2039.323+/-494.572 χ^2/NDF: 21.7/27

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

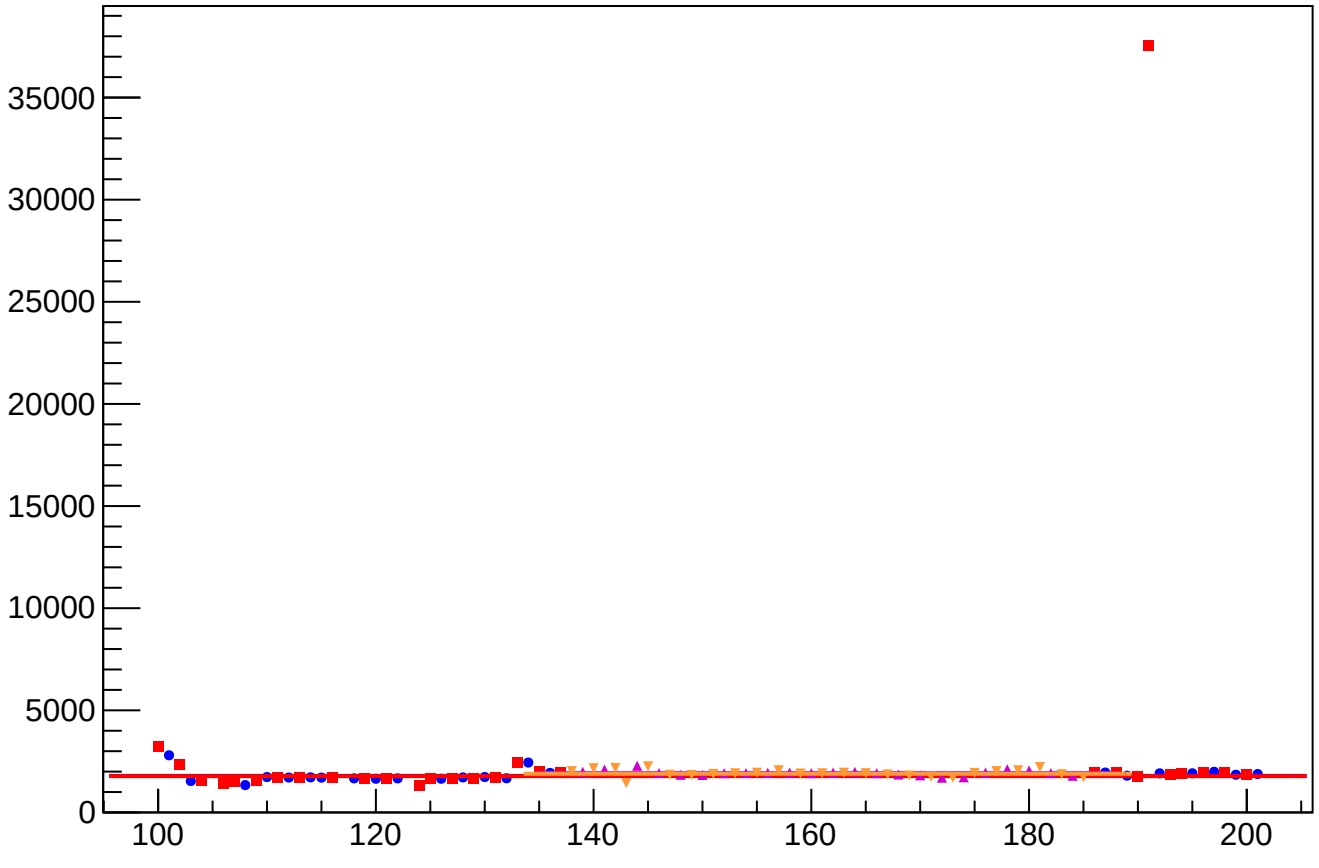
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2379.908+/-356.557 χ^2/NDF: 30.7/50

In: 2879.149+/-338.868 χ^2/NDF:23.8/45

Out: 1303.056+/-325.733 χ^2/NDF:67.2/52

All: 2059.965+/-234.834 χ^2/NDF: 102.3/98



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: 1778.923+/-0.350 χ^2/NDF: 529601.2/27

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

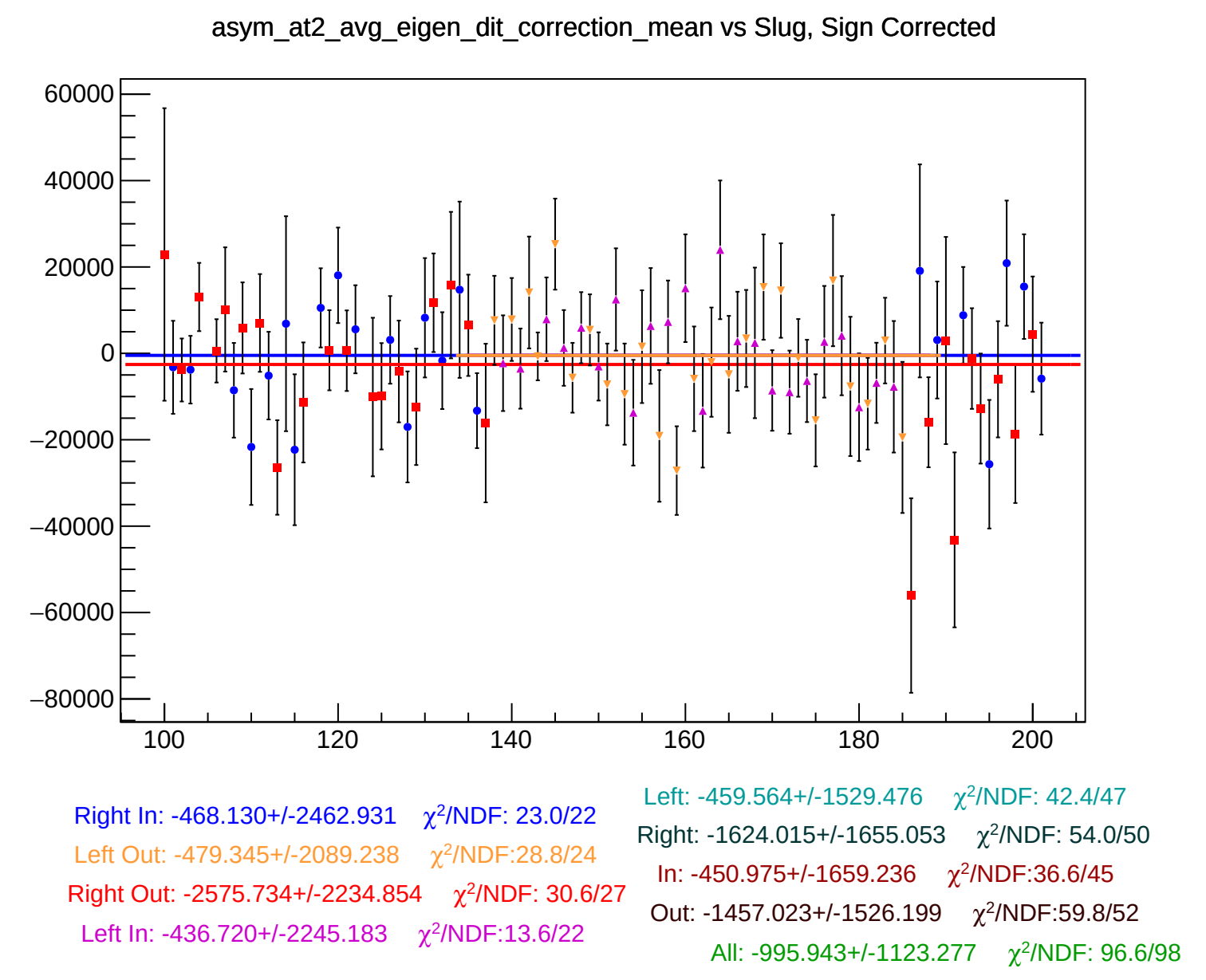
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

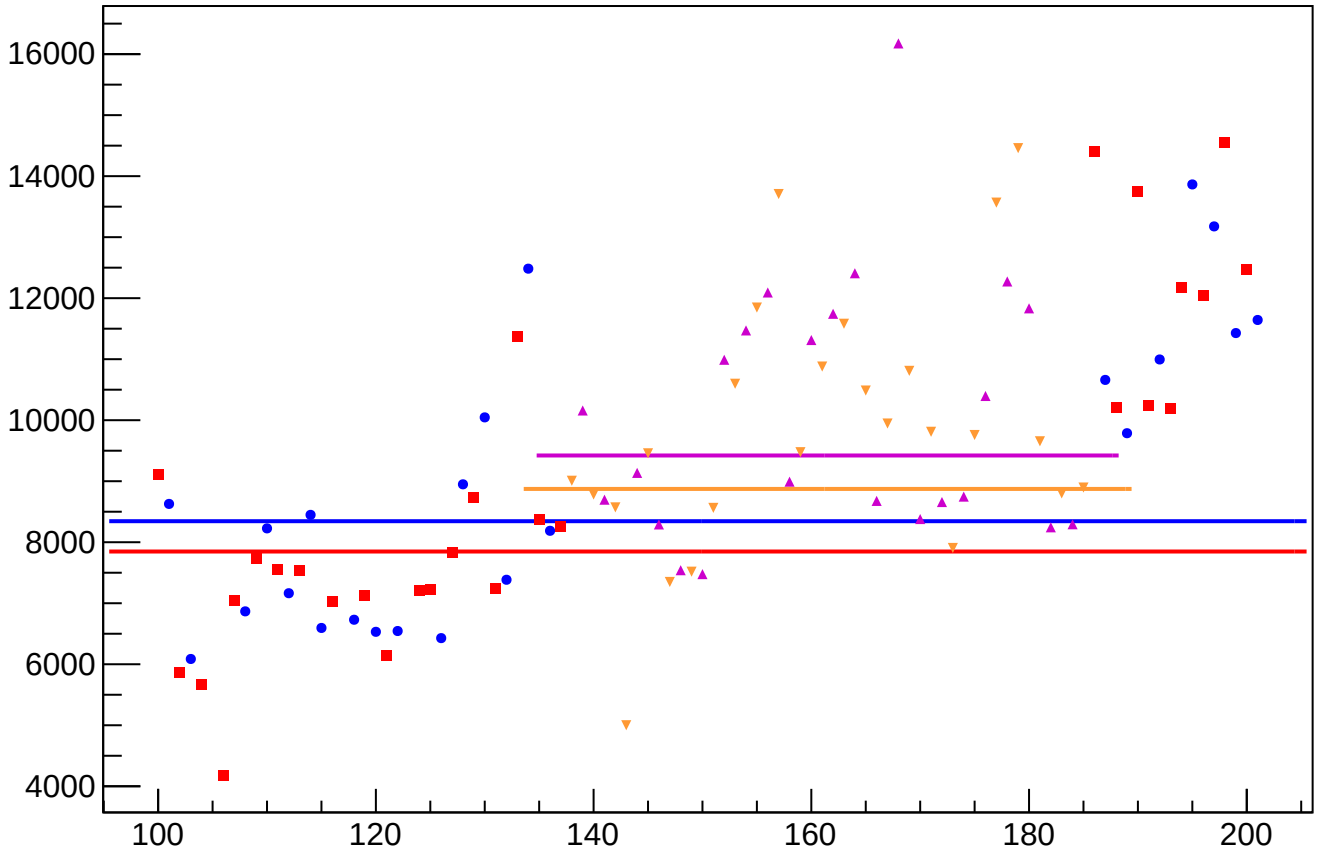
Right: 1784.287+/-0.252 χ^2/NDF: 956227.7/50

In: 1865.373+/-0.240 χ^2/NDF:652731.3/45

Out: 1844.459+/-0.230 χ^2/NDF:960256.8/52

All: 1854.502+/-0.166 χ^2/NDF: 1616947.7/98


asym_at2_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: -468.130+/-2462.931 χ²/NDF: 23.0/22
Left Out: -479.345+/-2089.238 χ²/NDF:28.8/24
Right Out: -2575.734+/-2234.854 χ²/NDF: 30.6/27
Left In: -436.720+/-2245.183 χ²/NDF:13.6/22
Left: -459.564+/-1529.476 χ²/NDF: 42.4/47
Right: -1624.015+/-1655.053 χ²/NDF: 54.0/50
In: -450.975+/-1659.236 χ²/NDF:36.6/45
Out: -1457.023+/-1526.199 χ²/NDF:59.8/52
All: -995.943+/-1123.277 χ²/NDF: 96.6/98



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: 7847.764+/-1.580 χ^2/NDF: 2533953.9/27

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

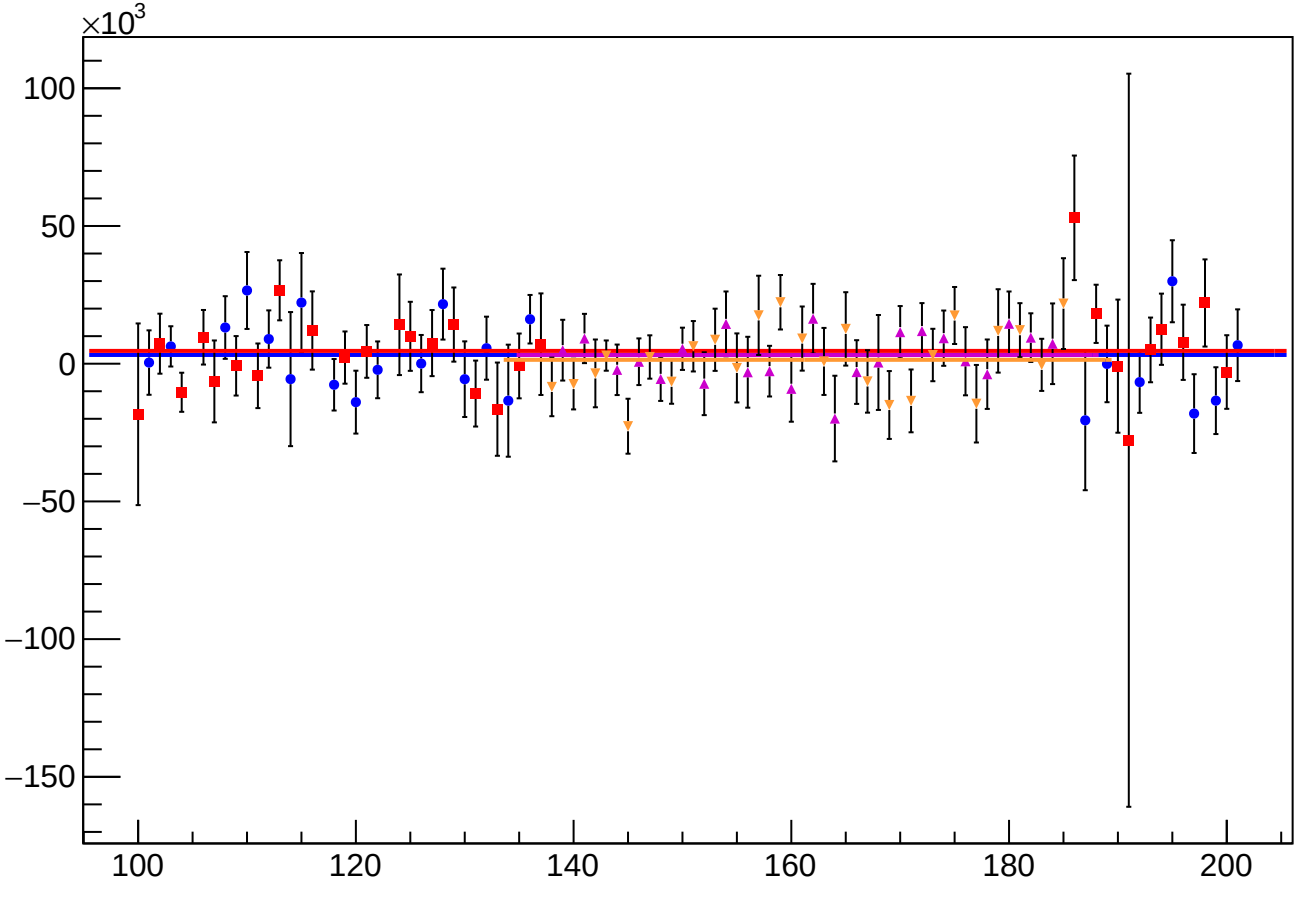
Right: 8072.163+/-1.170 χ^2/NDF: 4120753.0/50

In: 8932.917+/-1.173 χ^2/NDF:2955872.1/45

Out: 8395.192+/-1.079 χ^2/NDF:4962079.4/52

All: 8641.636+/-0.794 χ^2/NDF: 8031737.0/98

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: 4650.056+/-2366.966 χ^2/NDF: 23.8/27

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

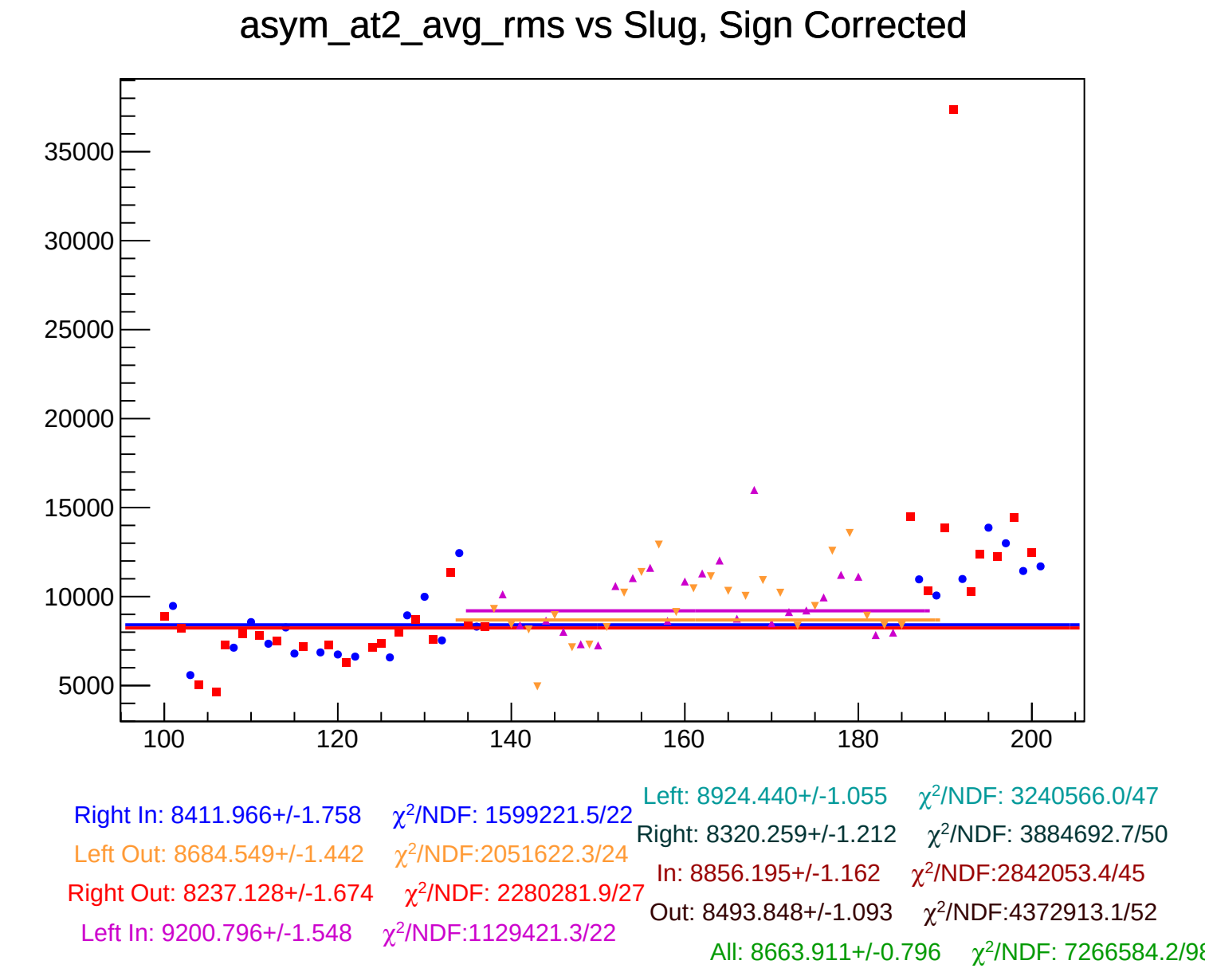
Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

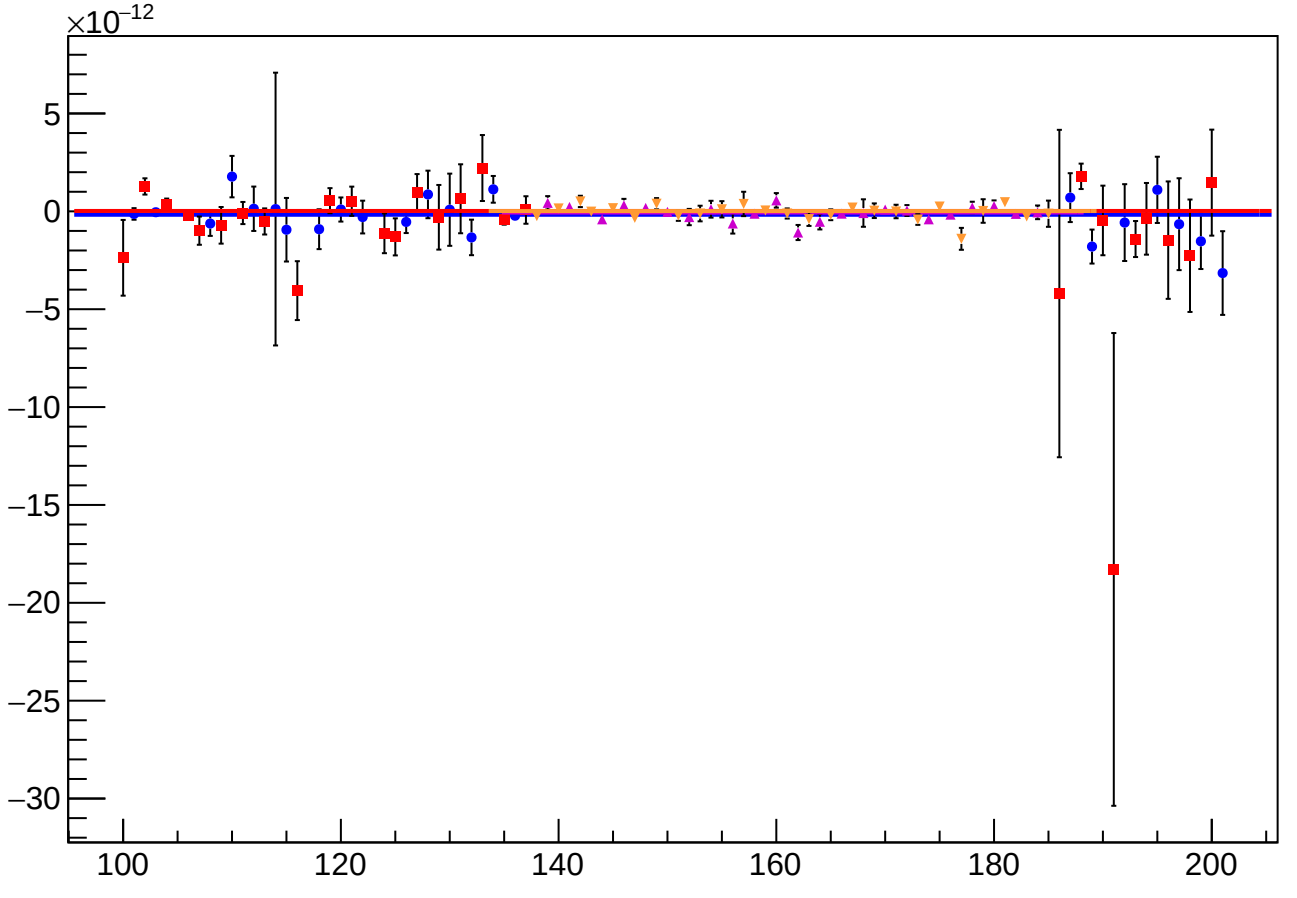
Right: 3947.478+/-1714.207 χ^2/NDF: 47.8/50

In: 3153.789+/-1643.051 χ^2/NDF:36.7/45

Out: 2789.916+/-1545.234 χ^2/NDF:52.3/52

All: 2960.699+/-1125.638 χ^2/NDF: 89.1/98


asym_at2_avg_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 8411.966+/-1.758 χ²/NDF: 1599221.5/22
Left Out: 8684.549+/-1.442 χ²/NDF:2051622.3/24
Right Out: 8237.128+/-1.674 χ²/NDF: 2280281.9/27
Left In: 9200.796+/-1.548 χ²/NDF:1129421.3/22
Left: 8924.440+/-1.055 χ²/NDF: 3240566.0/47
Right: 8320.259+/-1.212 χ²/NDF: 3884692.7/50
In: 8856.195+/-1.162 χ²/NDF:2842053.4/45
Out: 8493.848+/-1.093 χ²/NDF:4372913.1/52
All: 8663.911+/-0.796 χ²/NDF: 7266584.2/98



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: 46.5/27

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

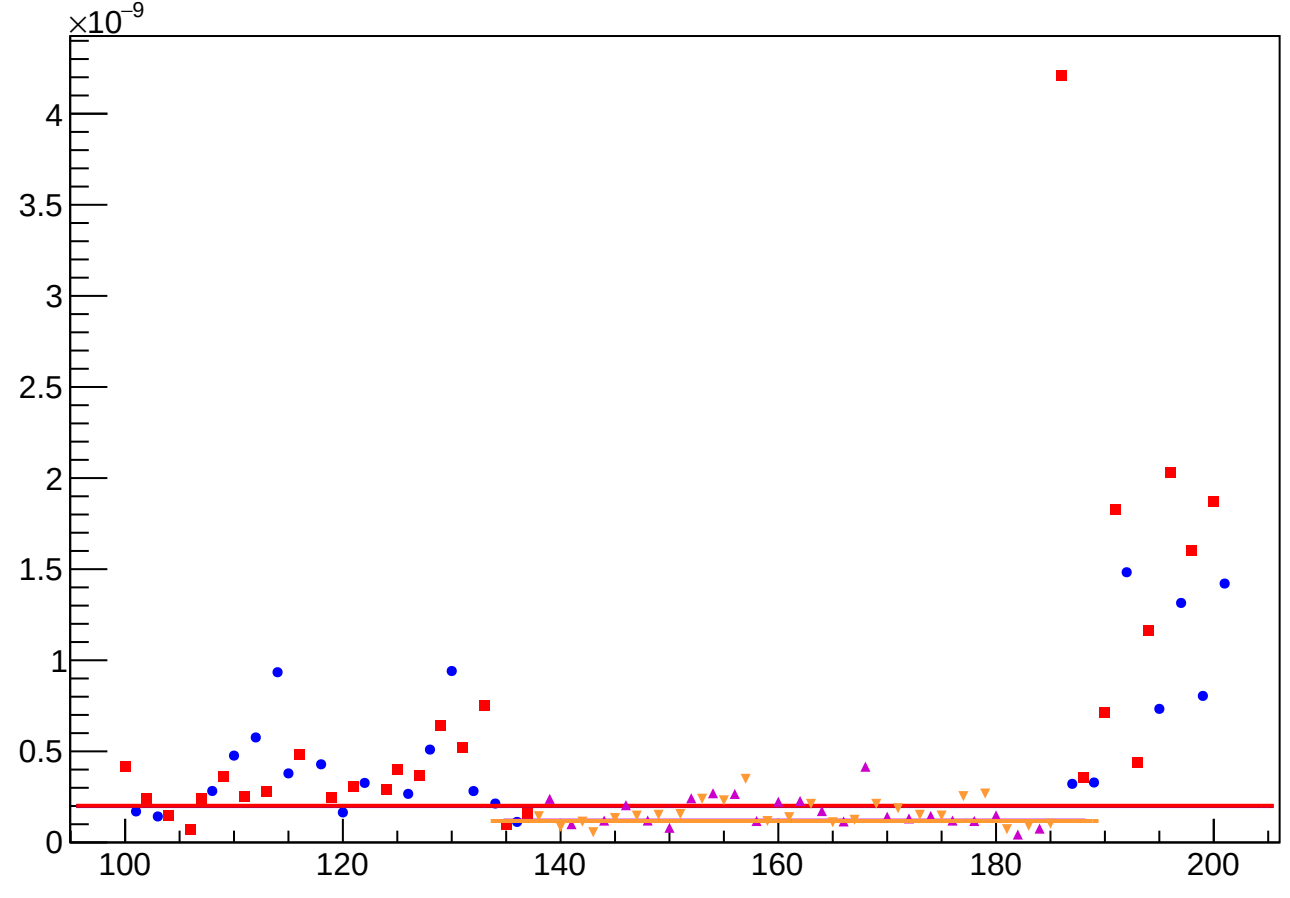
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 67.0/50

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: 0.000+/-0.000 χ^2/NDF:75.3/52

All: -0.000+/-0.000 χ^2/NDF: 125.2/98



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: 5180381.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

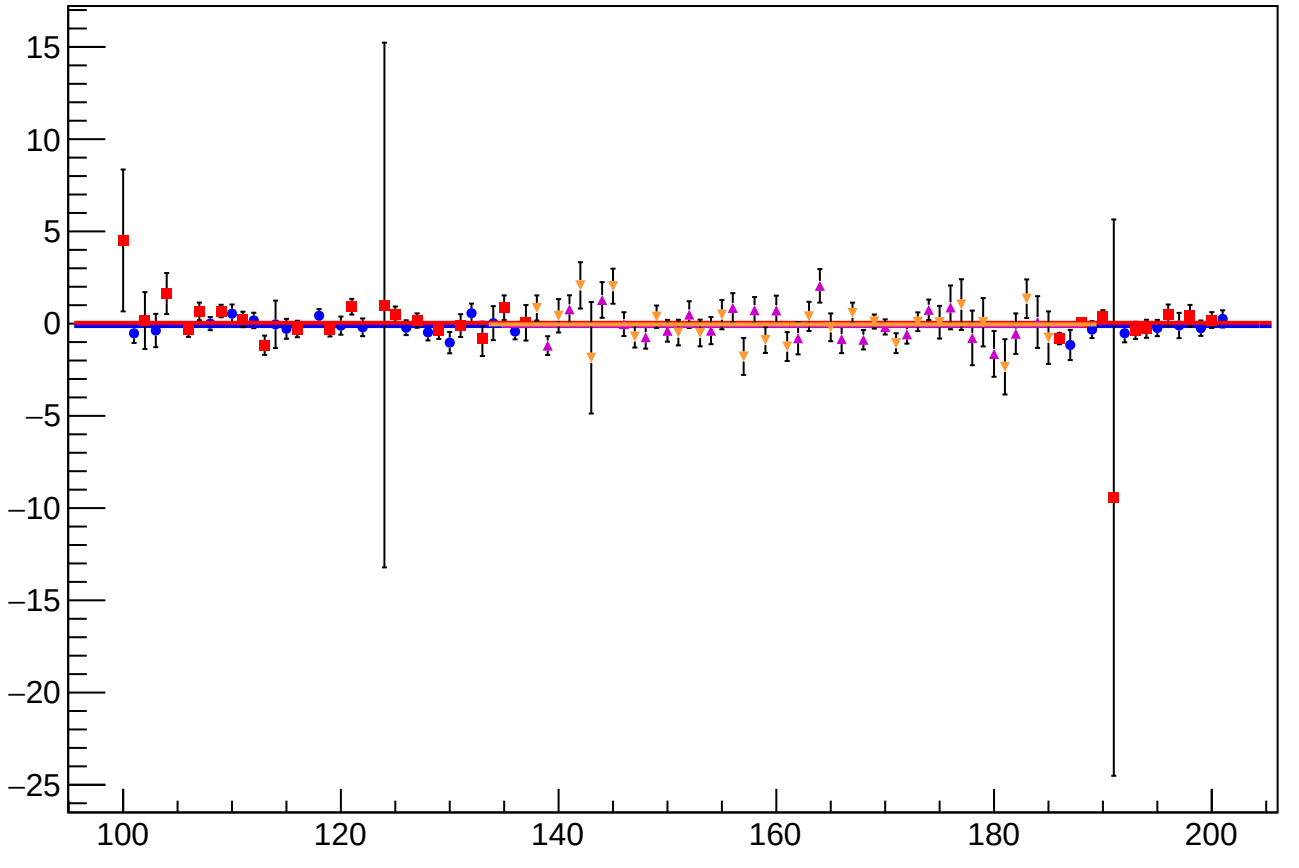
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9364149.7/50

In: 0.000+/-0.000 χ^2/NDF:7623325.5/45

Out: 0.000+/-0.000 χ^2/NDF:8359881.0/52

All: 0.000+/-0.000 χ^2/NDF: 15988114.0/98



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: 0.045+/-0.084 χ^2/NDF: 37.1/27

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

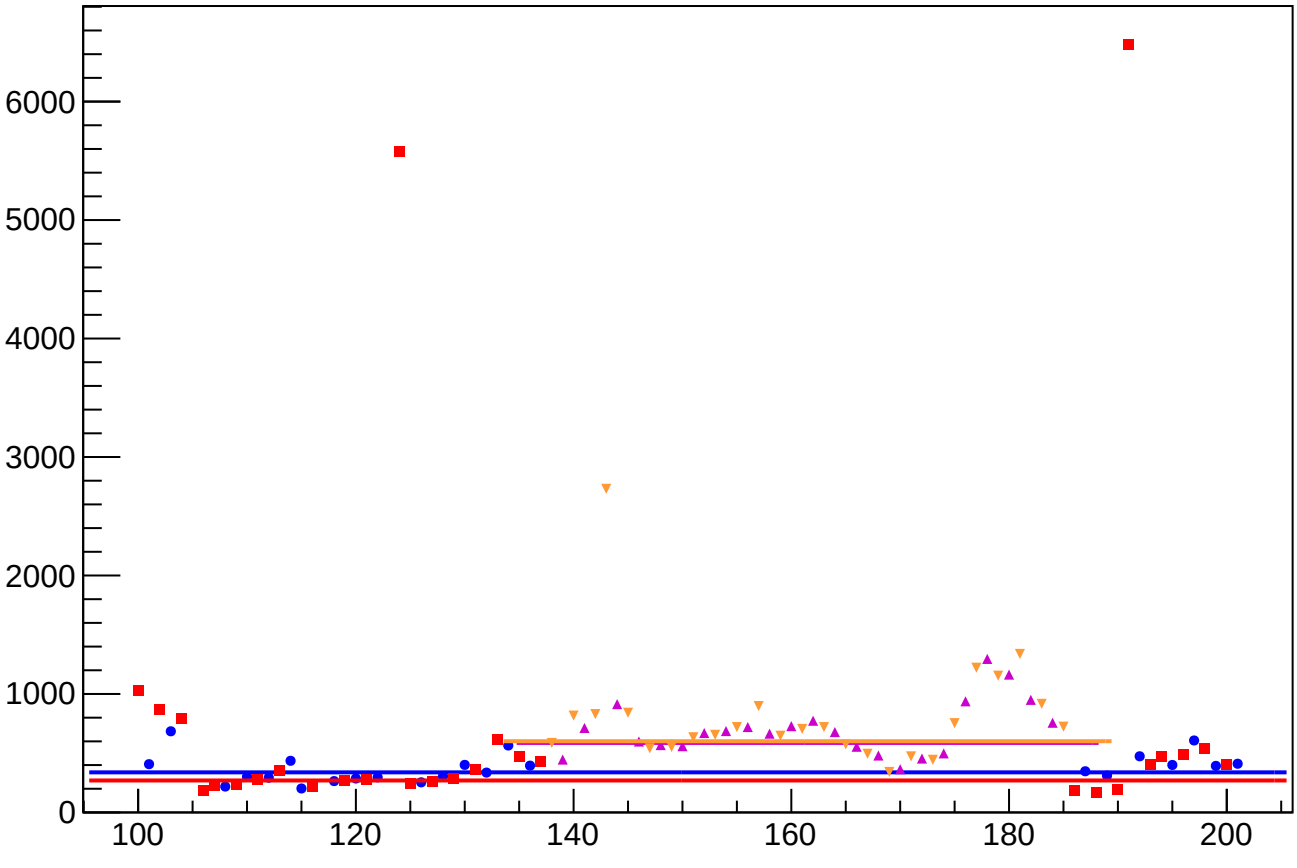
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.065 χ^2/NDF: 53.0/50

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.042+/-0.055 χ^2/NDF: 112.5/98



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: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

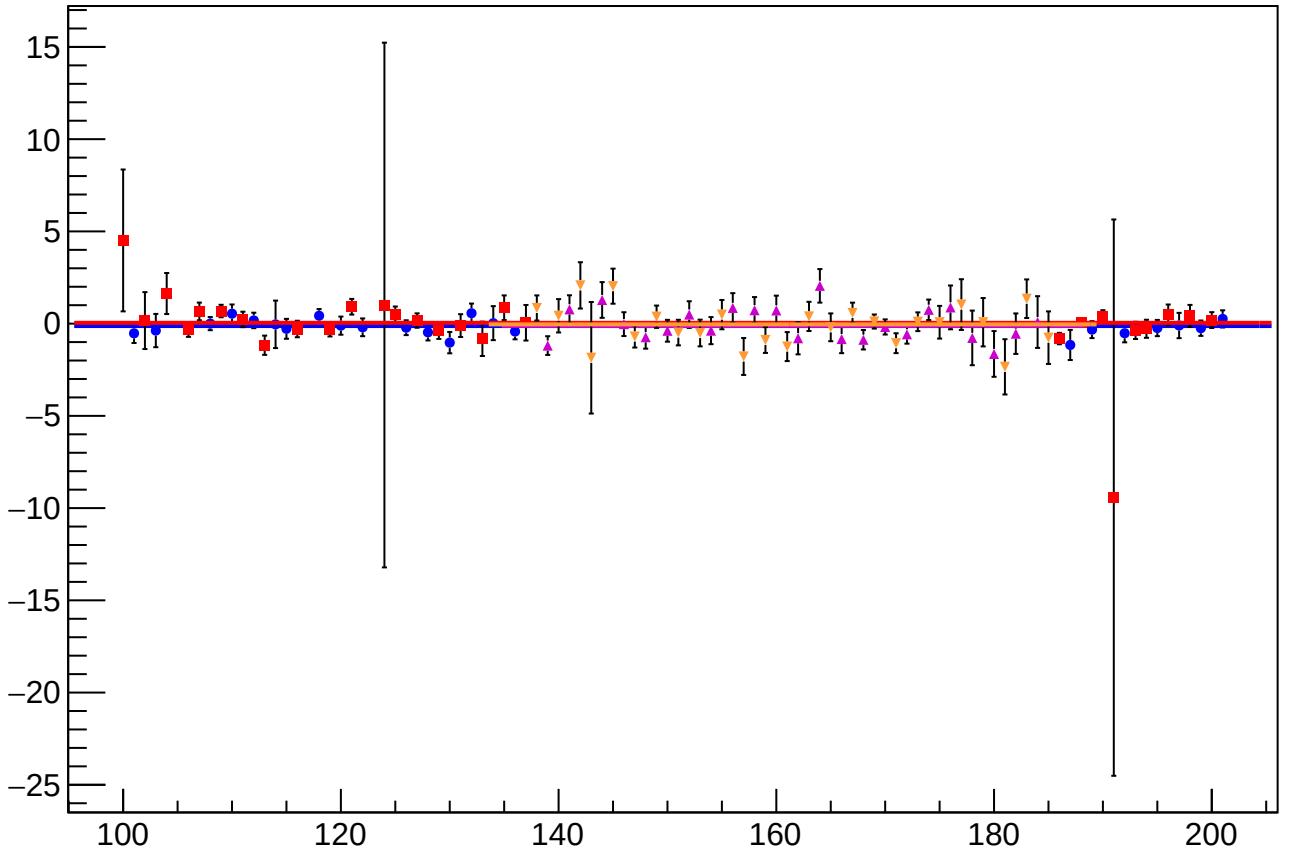
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 297.458+/-0.046 χ^2/NDF: 6773630.4/50

In: 420.996+/-0.059 χ^2/NDF:8560561.5/45

Out: 350.807+/-0.052 χ^2/NDF:16600905.8/52

All: 381.081+/-0.039 χ^2/NDF: 25961530.7/98



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: 0.045+/-0.084 χ^2/NDF: 37.1/27

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

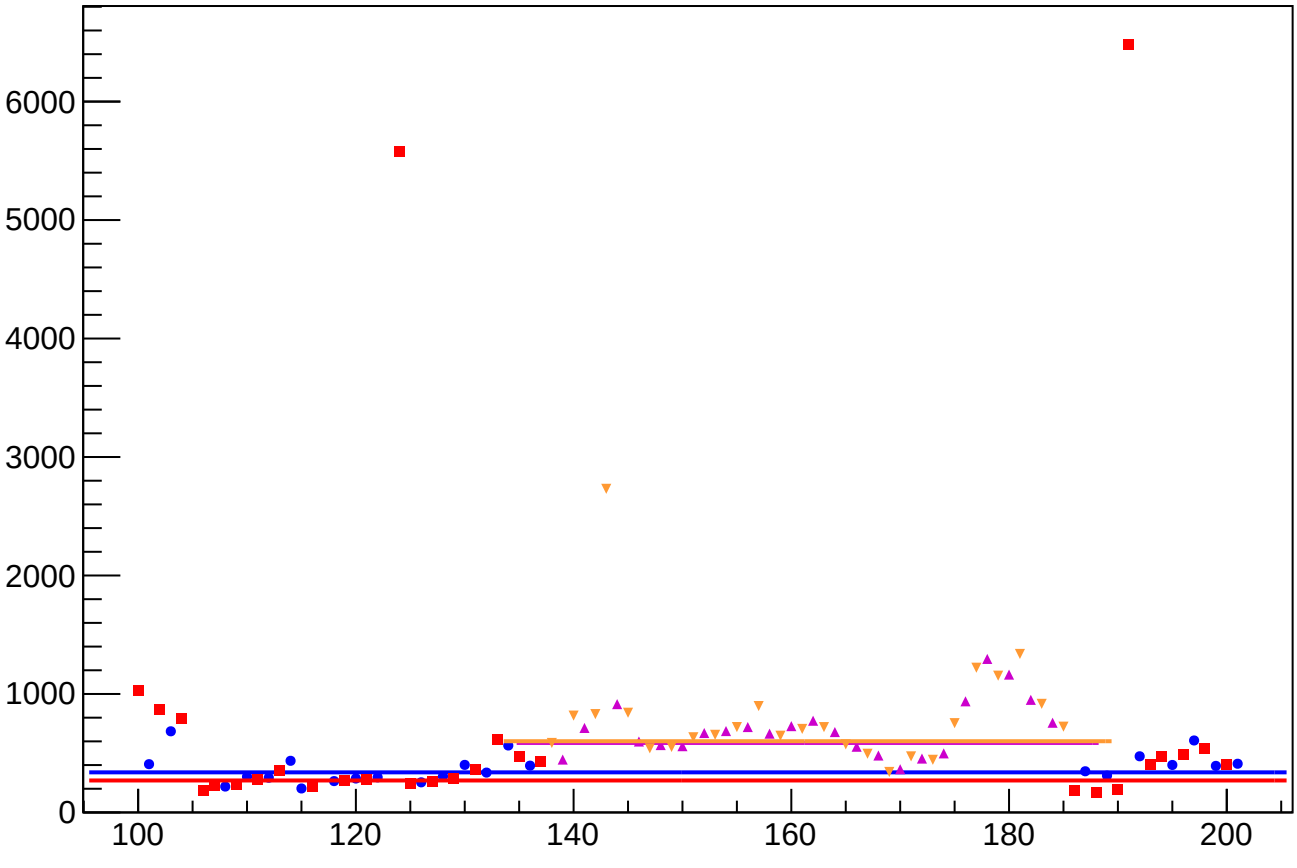
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.065 χ^2/NDF: 53.0/50

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.042+/-0.055 χ^2/NDF: 112.5/98



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: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

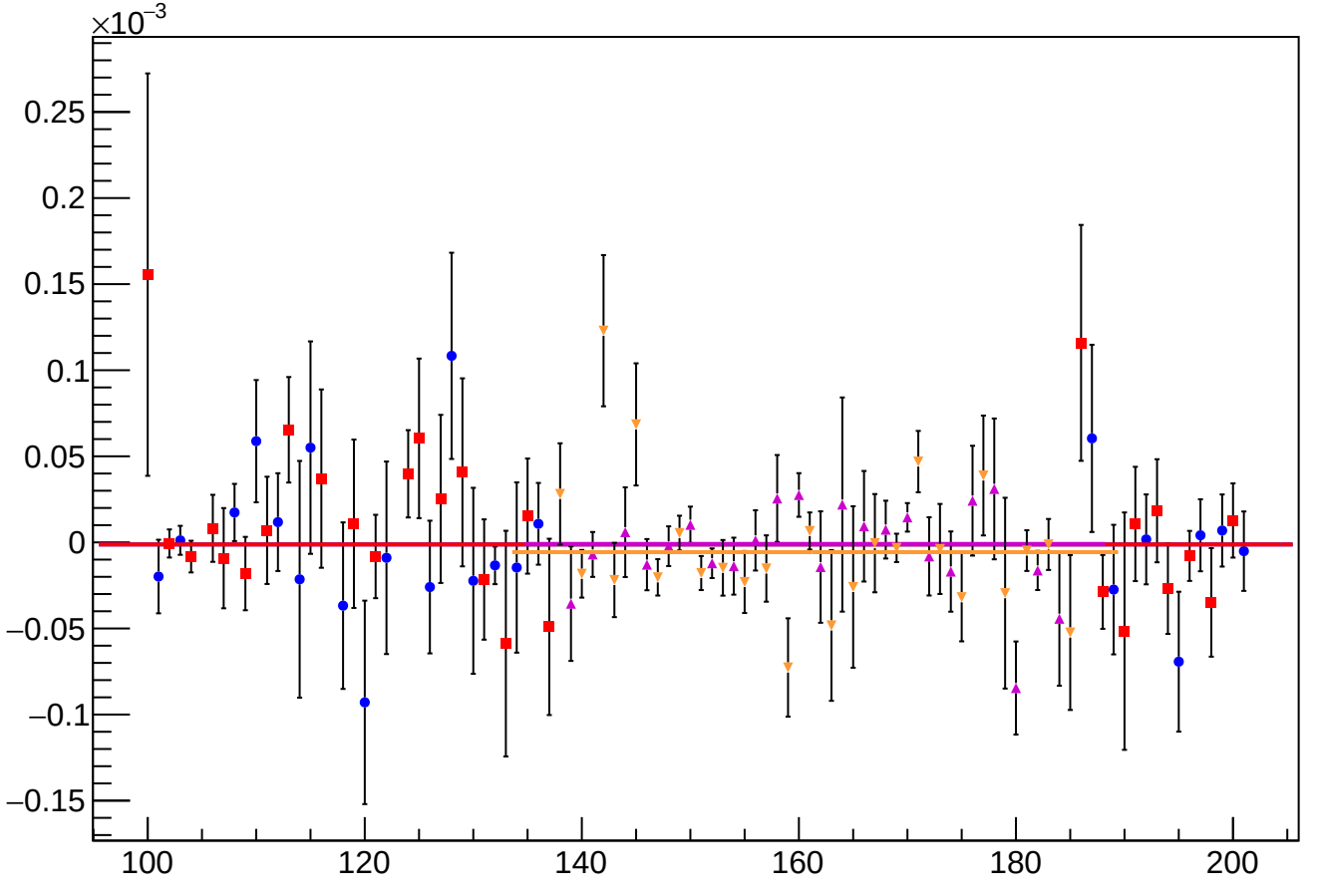
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 297.458+/-0.046 χ^2/NDF: 6773630.4/50

In: 420.996+/-0.059 χ^2/NDF:8560561.5/45

Out: 350.807+/-0.052 χ^2/NDF:16600905.8/52

All: 381.081+/-0.039 χ^2/NDF: 25961530.7/98



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: 24.7/27

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

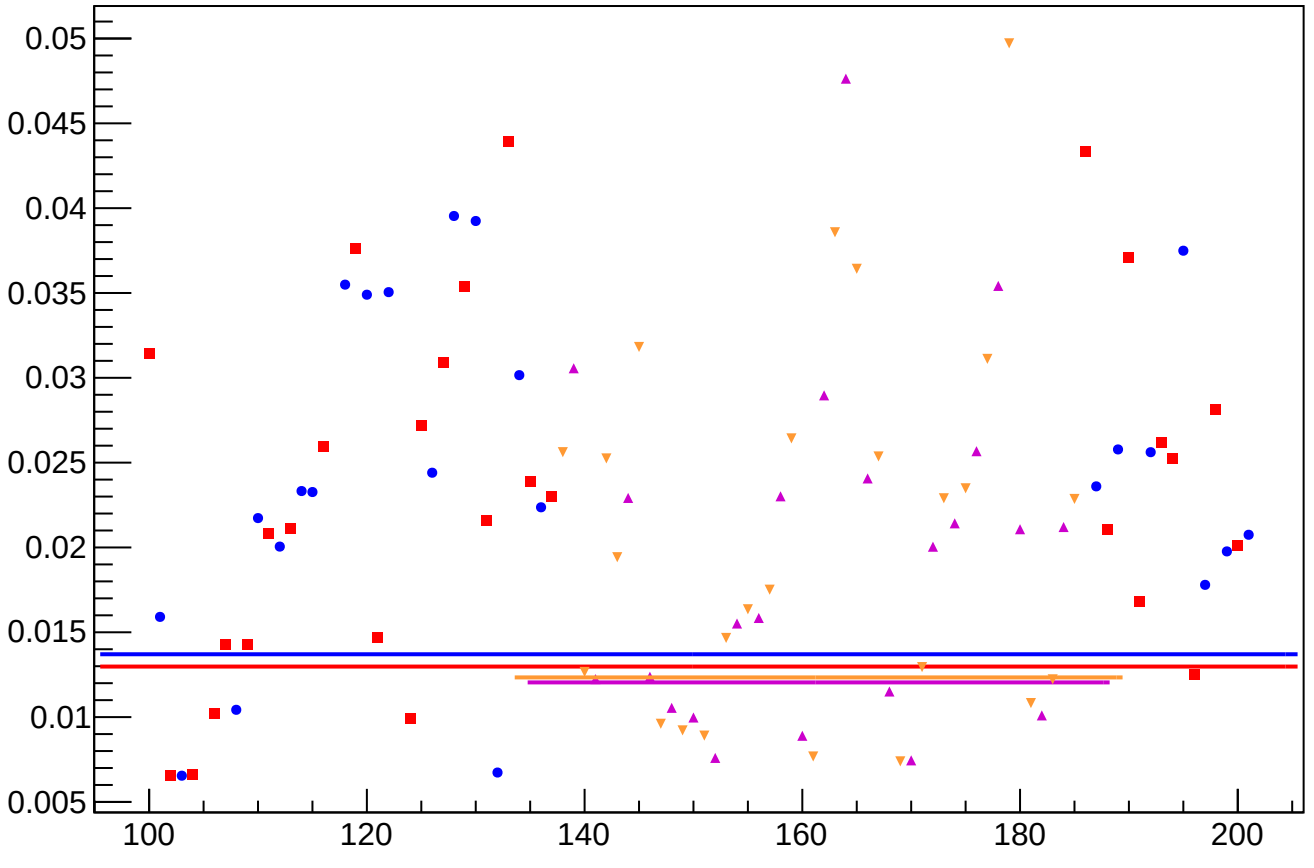
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.0/50

In: -0.000+/-0.000 χ^2/NDF:49.5/45

Out: -0.000+/-0.000 χ^2/NDF:68.0/52

All: -0.000+/-0.000 χ^2/NDF: 118.2/98



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: 7339168.1/27

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

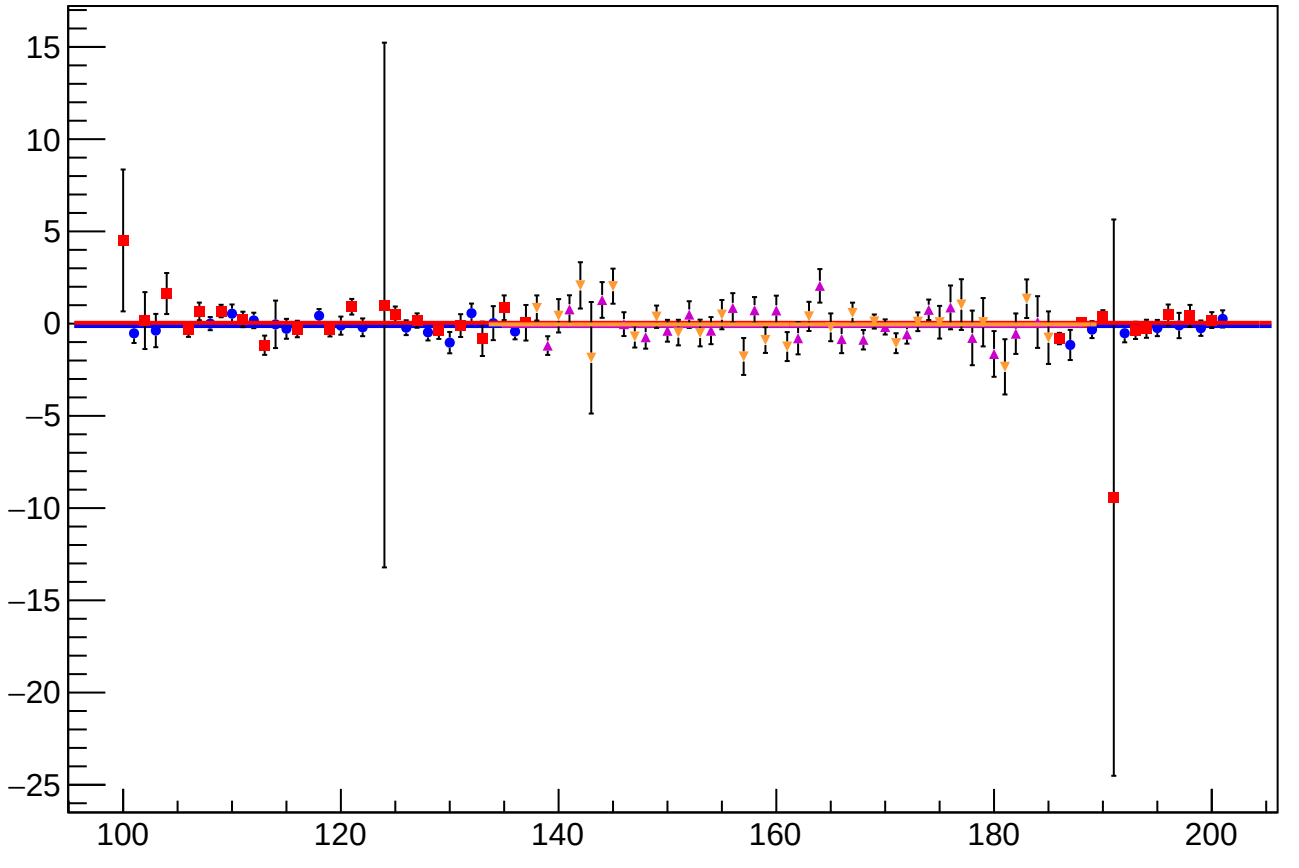
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.013+/-0.000 χ^2/NDF: 14233915.4/50

In: 0.013+/-0.000 χ^2/NDF:13414487.2/45

Out: 0.013+/-0.000 χ^2/NDF:15207272.3/52

All: 0.013+/-0.000 χ^2/NDF: 28621766.1/98



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: 0.045+/-0.084 χ^2/NDF: 37.1/27

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

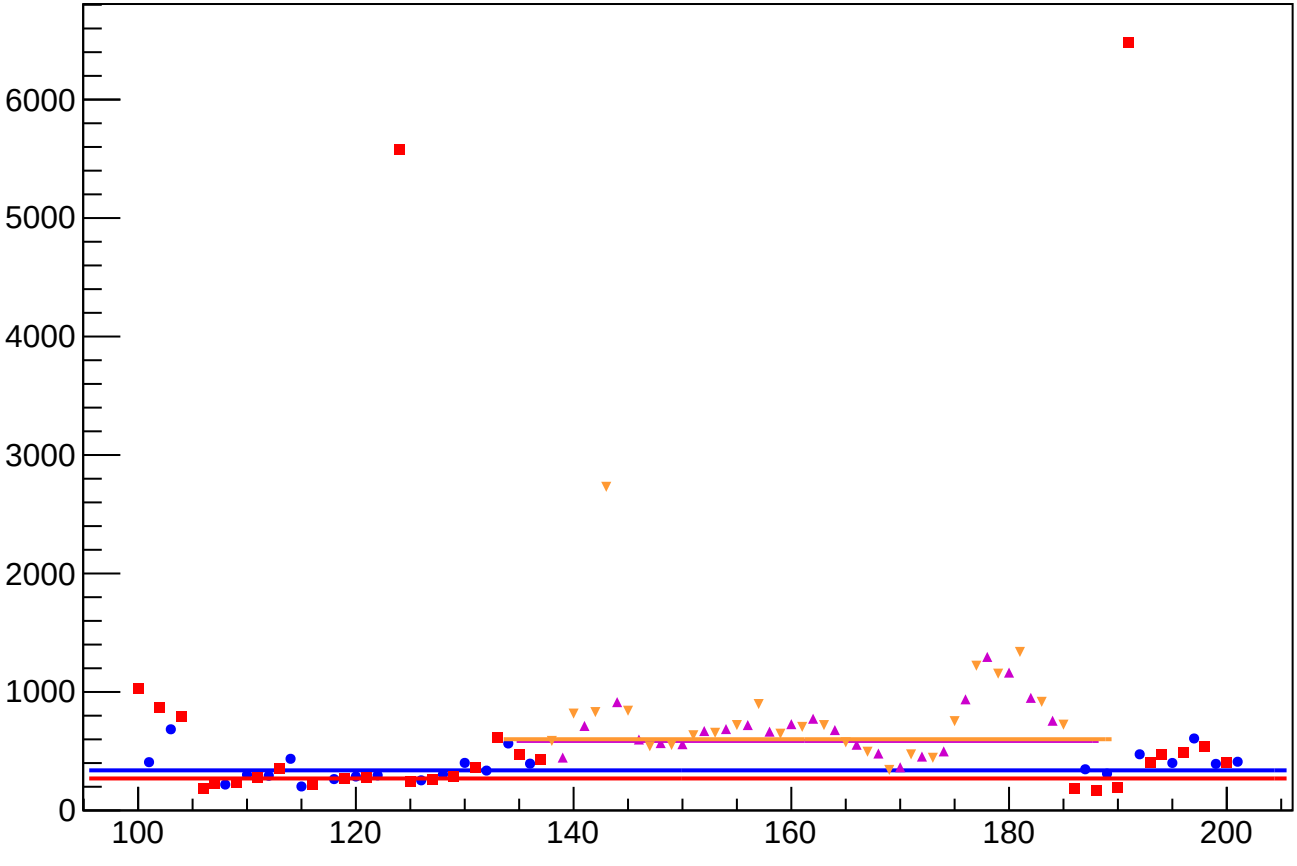
Right: -0.026+/-0.065 χ^2/NDF: 53.0/50

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.042+/-0.055 χ^2/NDF: 112.5/98

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: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

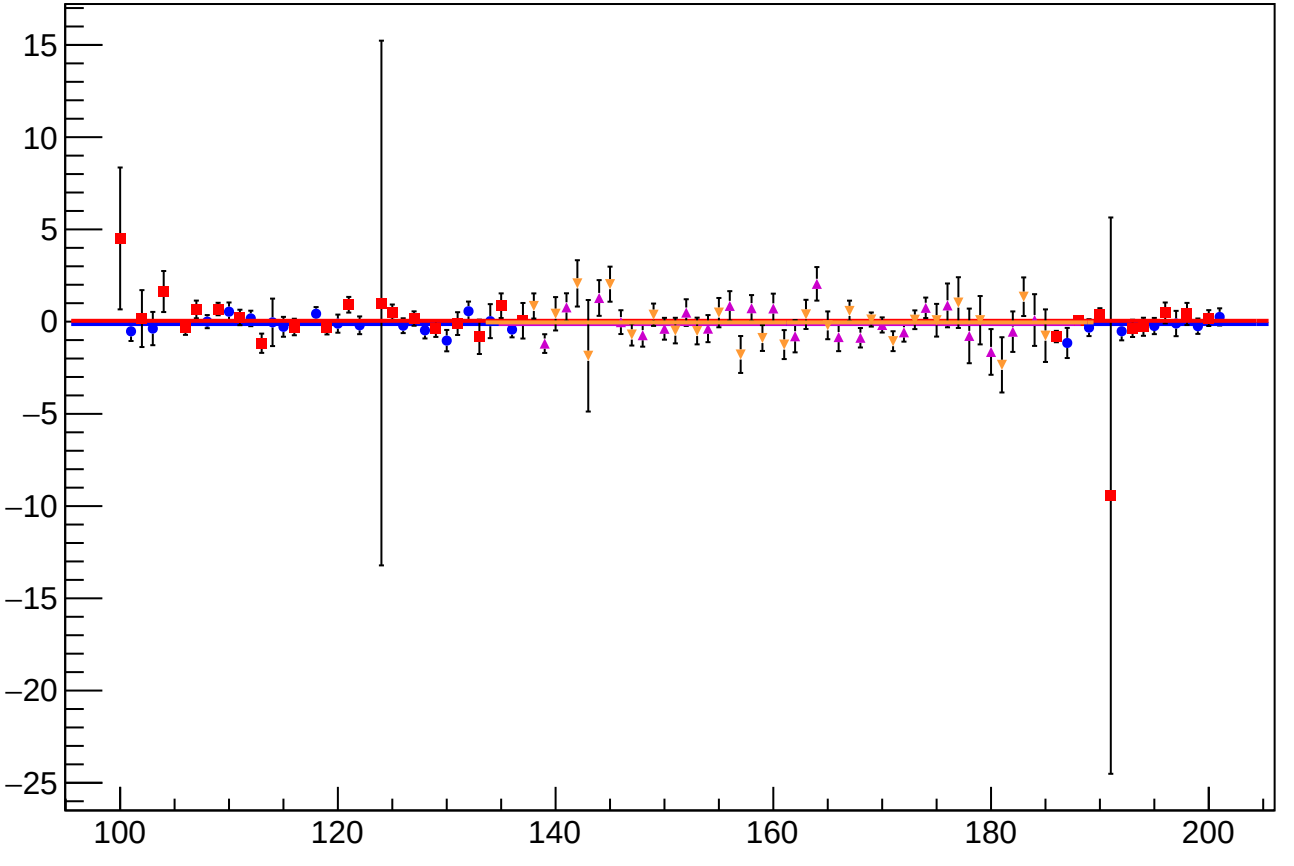
Right: 297.453+/-0.046 χ^2/NDF: 6773974.8/50

In: 420.995+/-0.059 χ^2/NDF:8560772.4/45

Out: 350.800+/-0.052 χ^2/NDF:16601742.9/52

All: 381.076+/-0.039 χ^2/NDF: 25962739.1/98

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: 0.045+/-0.084 χ^2/NDF: 37.1/27

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

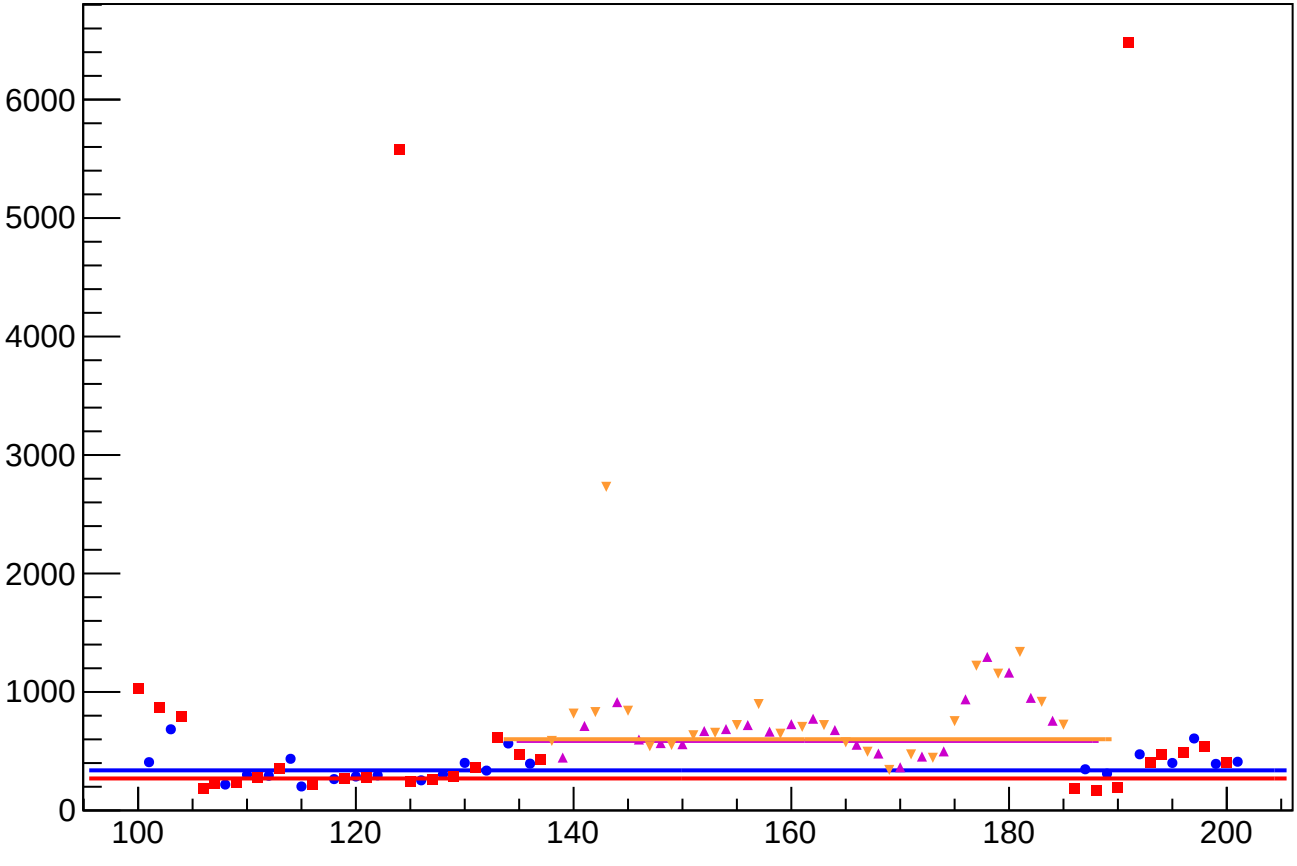
Right: -0.026+/-0.065 χ^2/NDF: 53.0/50

In: -0.130+/-0.084 χ^2/NDF:43.2/45

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.042+/-0.055 χ^2/NDF: 112.5/98

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: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

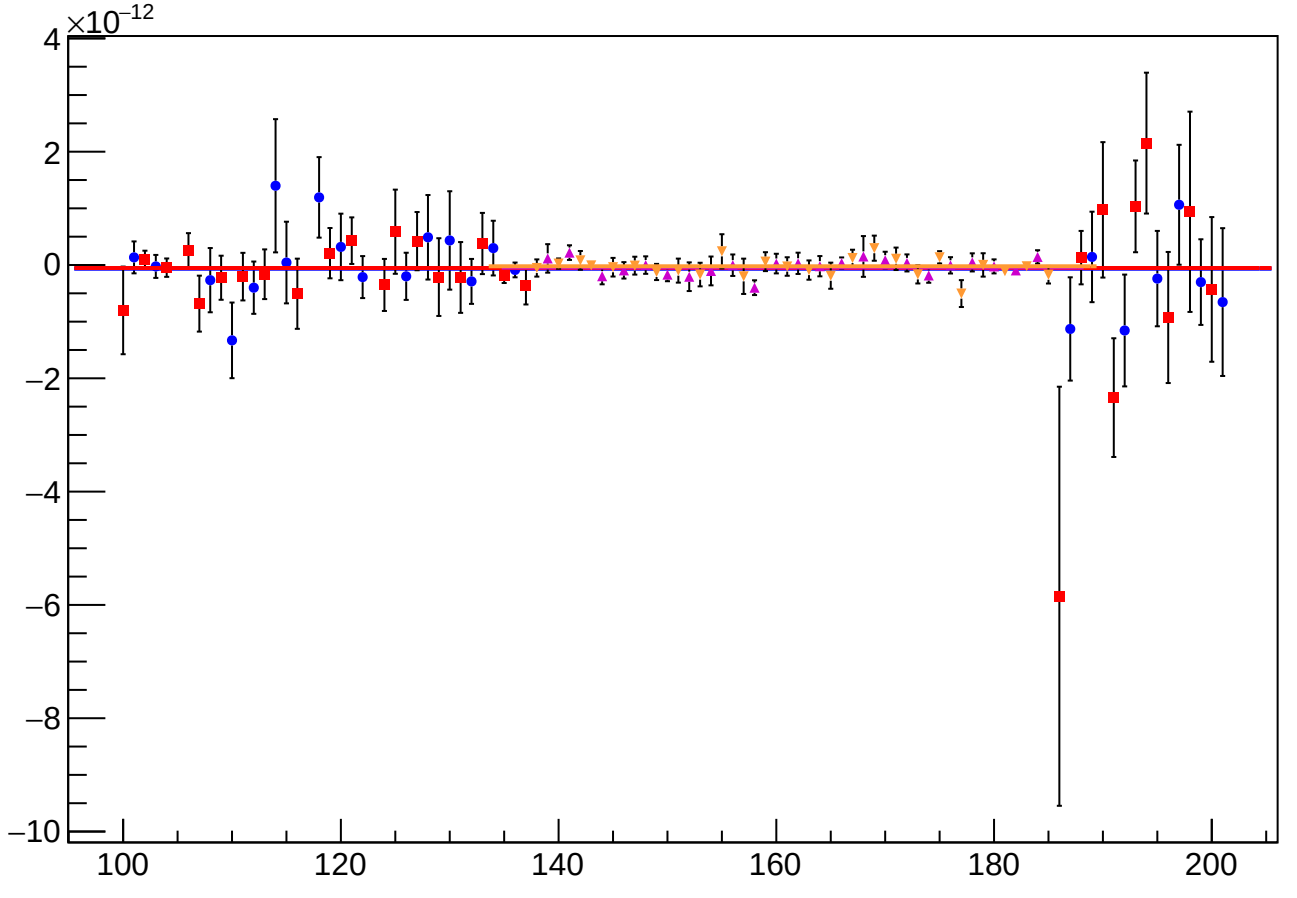
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 297.453+/-0.046 χ^2/NDF: 6773974.8/50

In: 420.995+/-0.059 χ^2/NDF:8560772.4/45

Out: 350.800+/-0.052 χ^2/NDF:16601742.9/52

All: 381.076+/-0.039 χ^2/NDF: 25962739.1/98



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: 25.5/27

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

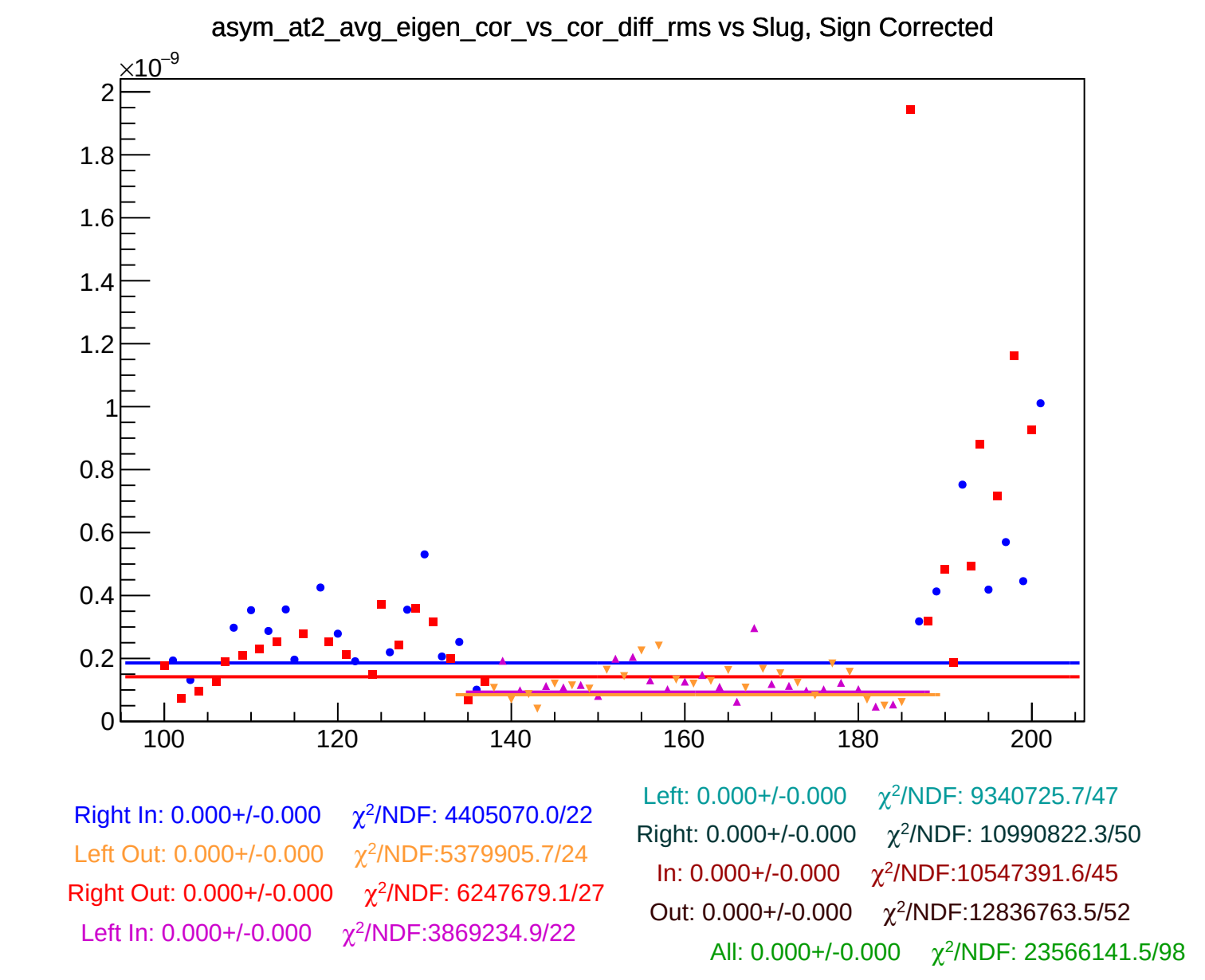
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

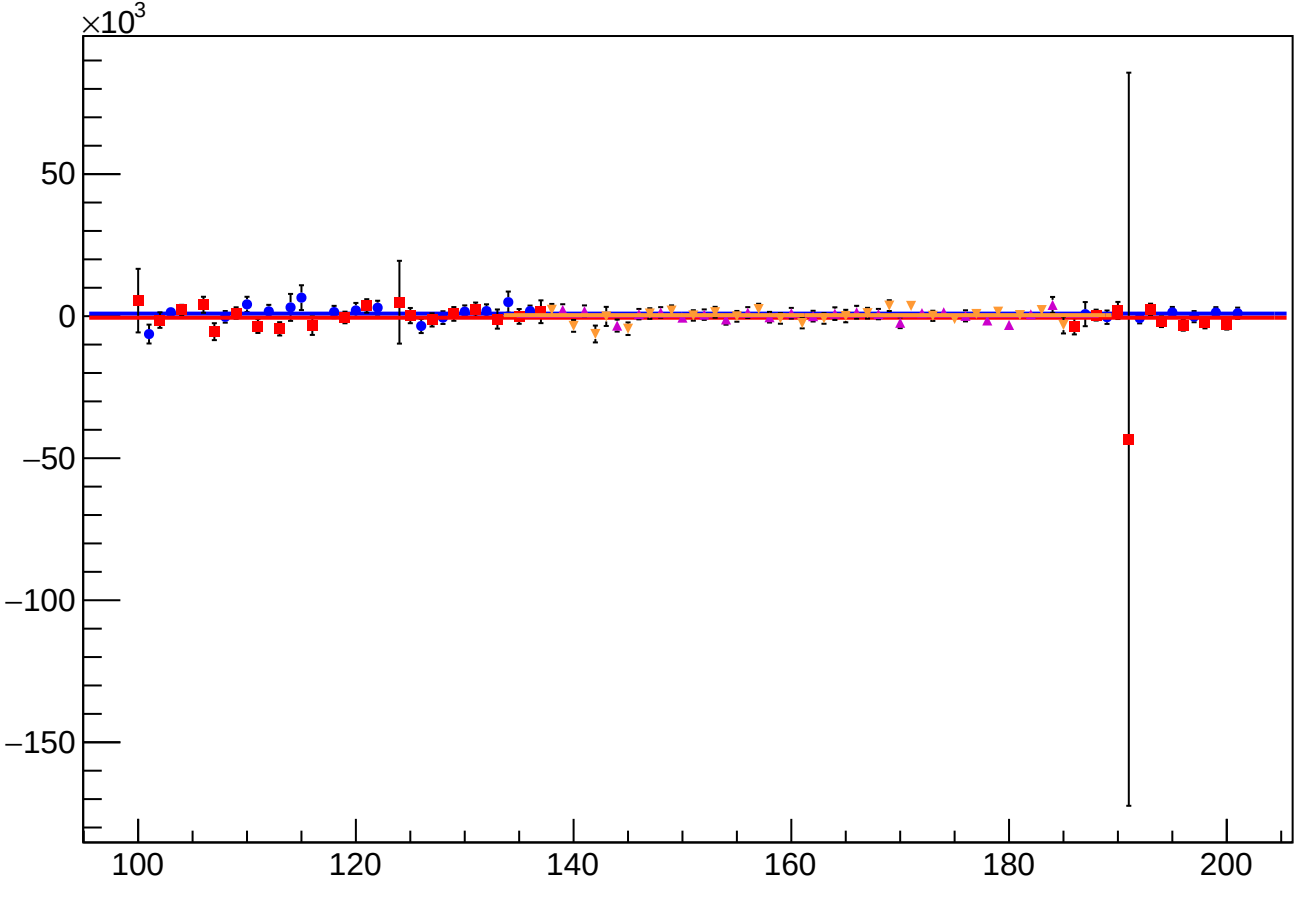
Right: -0.000+/-0.000 χ^2/NDF: 41.6/50

In: -0.000+/-0.000 χ^2/NDF:38.2/45

Out: -0.000+/-0.000 χ^2/NDF:42.0/52

All: -0.000+/-0.000 χ^2/NDF: 80.5/98


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: 6247679.1/27
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: 10990822.3/50
In: 0.000+/-0.000 χ²/NDF:10547391.6/45
Out: 0.000+/-0.000 χ²/NDF:12836763.5/52
All: 0.000+/-0.000 χ²/NDF: 23566141.5/98



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: -550.560+/-467.555 χ^2/NDF: 27.7/27

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

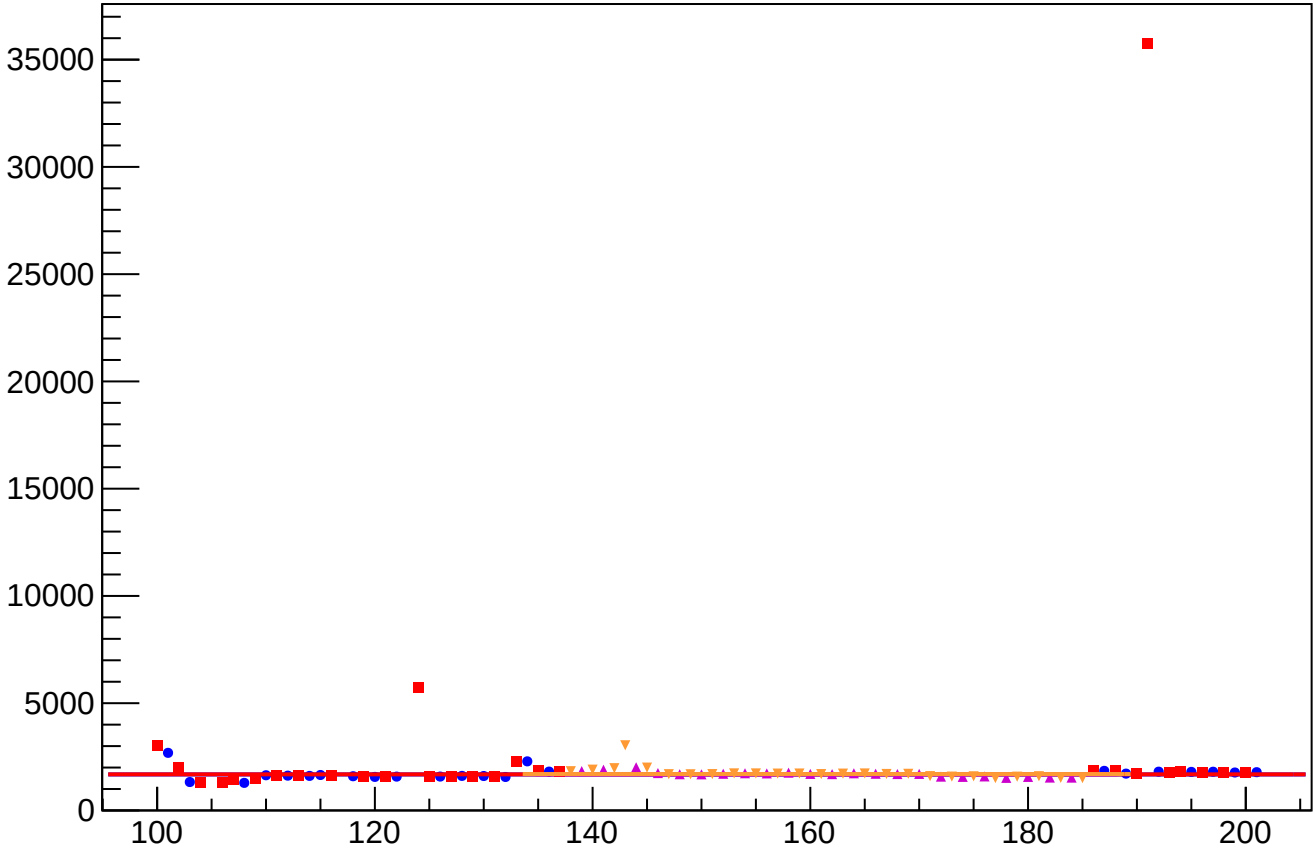
Right: 150.759+/-335.749 χ^2/NDF: 48.4/50

In: 453.506+/-305.282 χ^2/NDF:33.5/45

Out: -10.511+/-298.641 χ^2/NDF:59.5/52

All: 216.395+/-213.480 χ^2/NDF: 94.2/98

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: 1683.429+/-0.331 χ^2/NDF: 665828.3/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

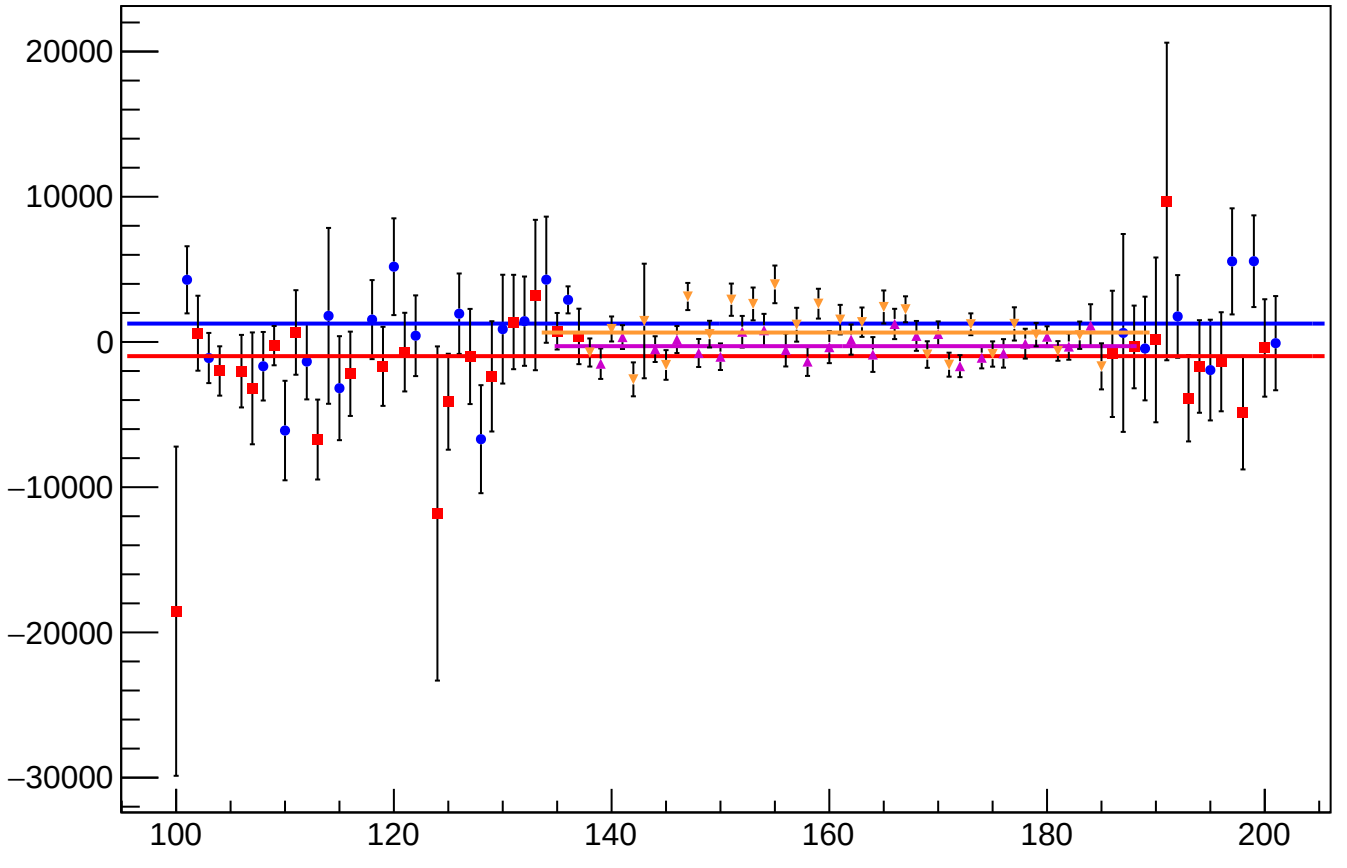
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1680.777+/-0.237 χ^2/NDF: 1133203.5/50

In: 1681.925+/-0.216 χ^2/NDF:632824.1/45

Out: 1691.757+/-0.211 χ^2/NDF:1162297.9/52

All: 1686.949+/-0.151 χ^2/NDF: 1796182.0/98



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: -975.702+/-507.323 χ^2/NDF: 17.4/27

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

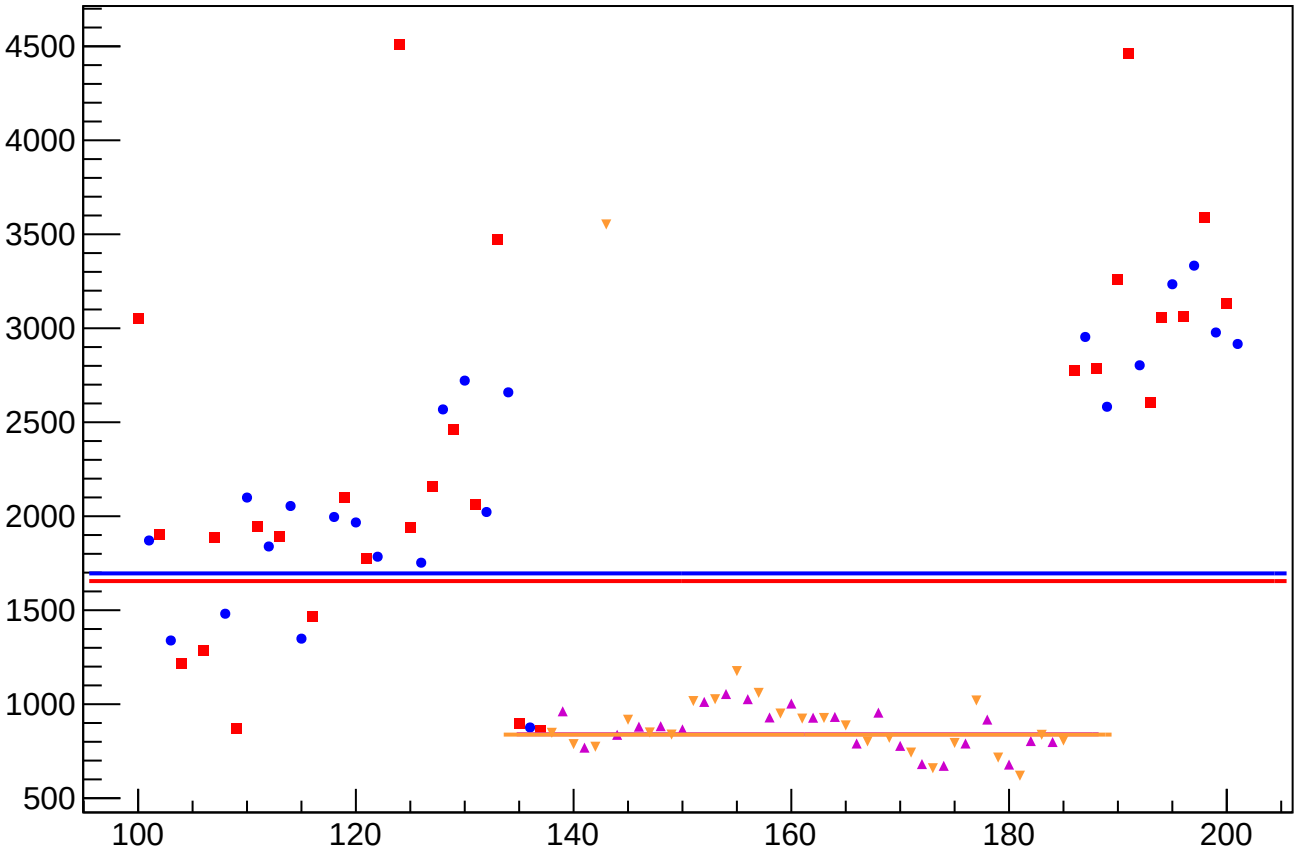
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

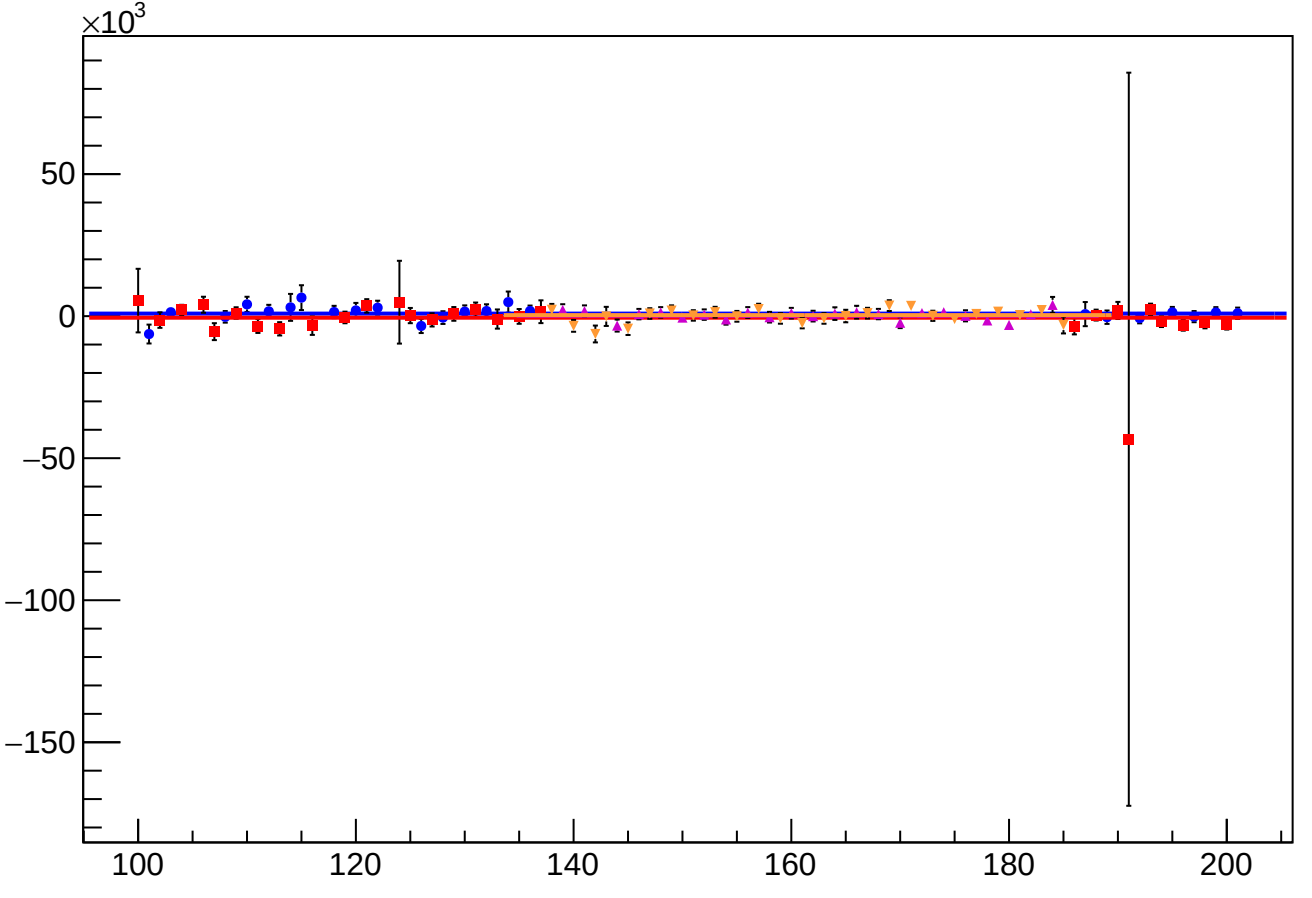
Right: 95.996+/-366.508 χ^2/NDF: 53.3/50

In: -97.433+/-185.888 χ^2/NDF:50.6/45

Out: 438.753+/-182.562 χ^2/NDF:91.8/52

All: 175.499+/-130.251 χ^2/NDF: 146.7/98


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: 1654.993+/-0.359 χ²/NDF: 5181828.4/27
Left In: 839.976+/-0.140 χ²/NDF:669341.7/22
Left: 839.097+/-0.099 χ²/NDF: 2469664.6/47
Right: 1674.539+/-0.259 χ²/NDF: 9236654.4/50
In: 945.236+/-0.131 χ²/NDF:9291193.8/45
Out: 944.008+/-0.129 χ²/NDF:11494513.3/52
All: 944.611+/-0.092 χ²/NDF: 20785751.5/98



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: -550.753+/-467.555 χ^2/NDF: 27.7/27

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

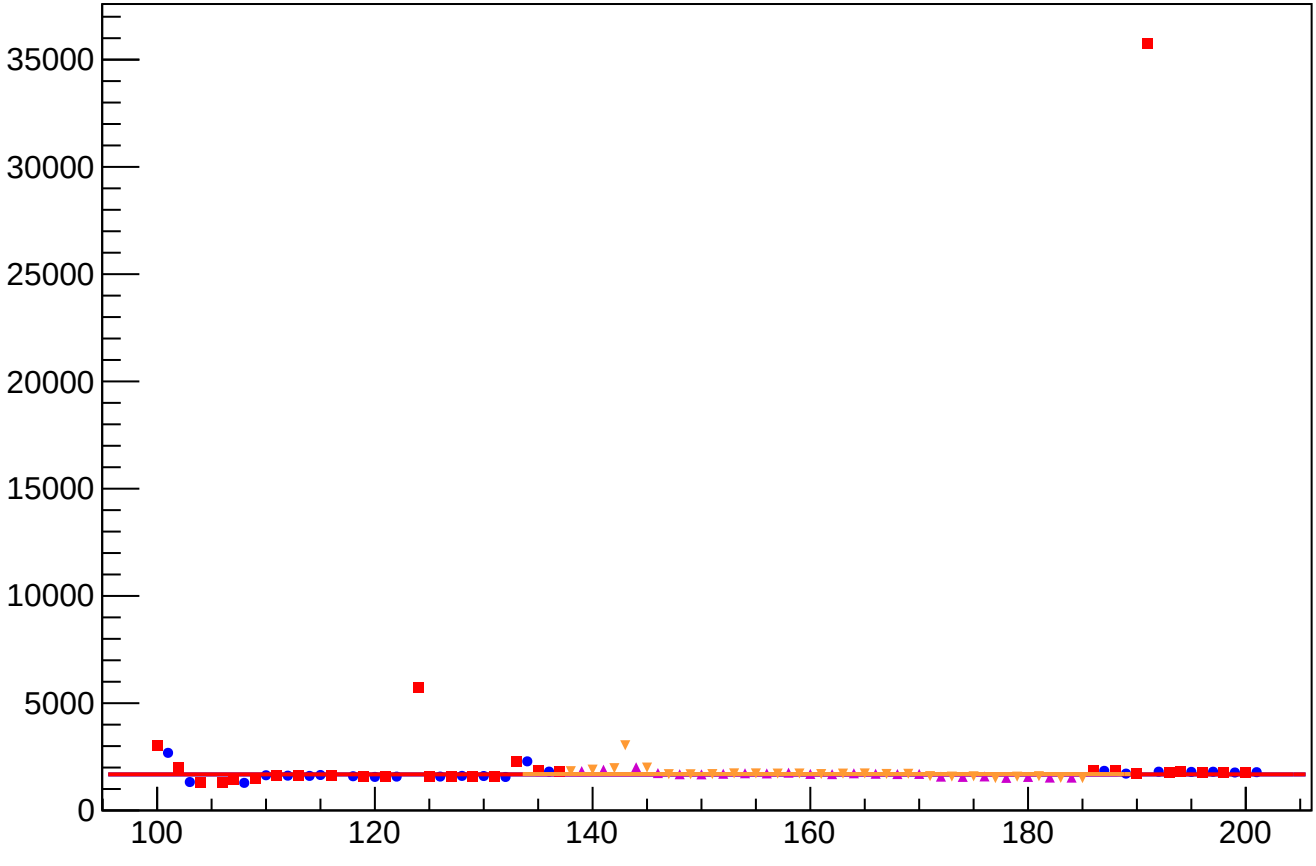
Right: 150.674+/-335.749 χ^2/NDF: 48.4/50

In: 453.462+/-305.282 χ^2/NDF:33.5/45

Out: -10.640+/-298.641 χ^2/NDF:59.5/52

All: 216.307+/-213.480 χ^2/NDF: 94.2/98

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: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

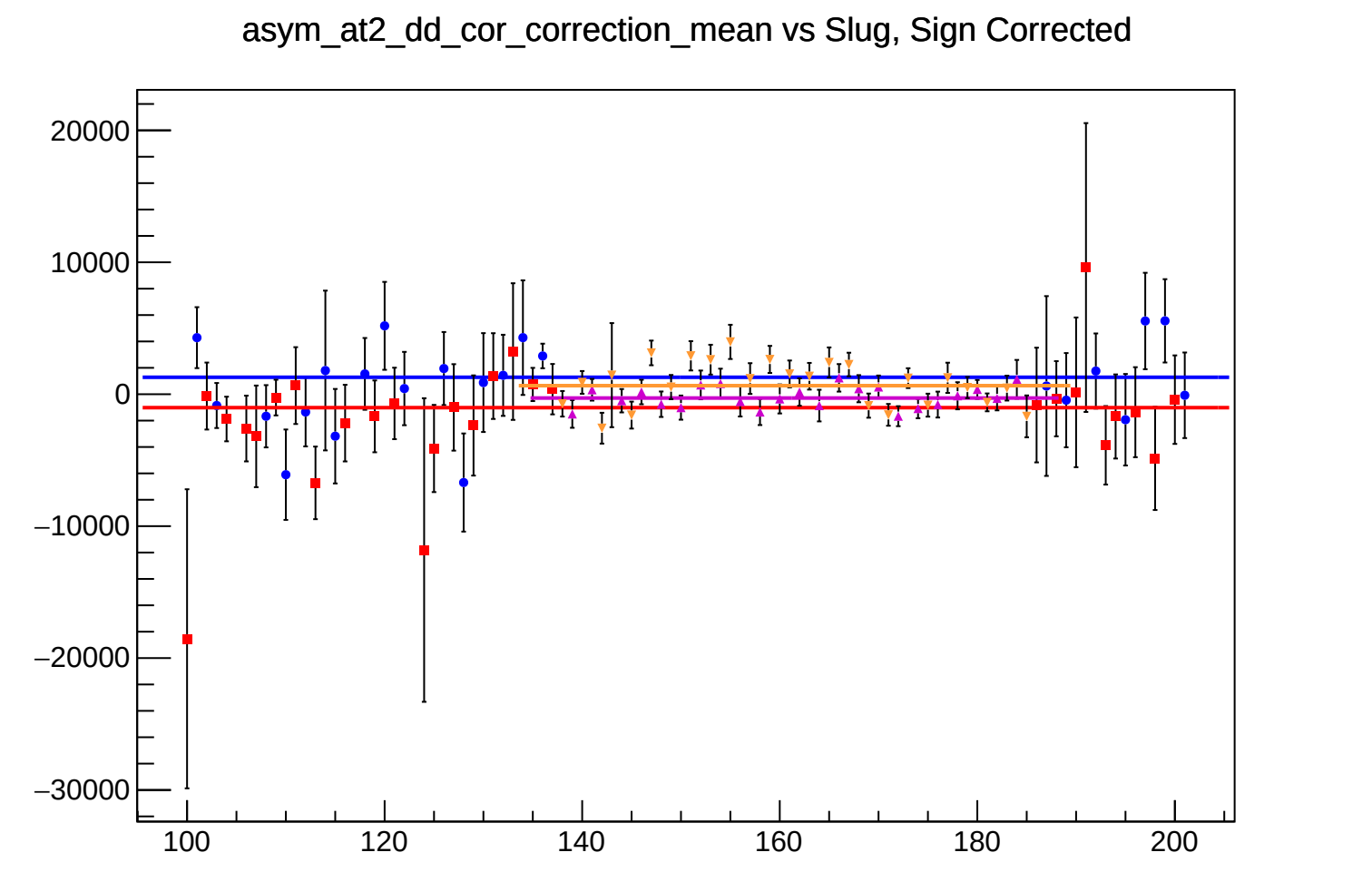
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1680.777+/-0.237 χ^2/NDF: 1133204.0/50

In: 1681.925+/-0.216 χ^2/NDF:632824.4/45

Out: 1691.757+/-0.211 χ^2/NDF:1162298.0/52

All: 1686.949+/-0.151 χ^2/NDF: 1796182.5/98



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: -1018.368+/-506.741 χ^2/NDF: 17.3/27

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

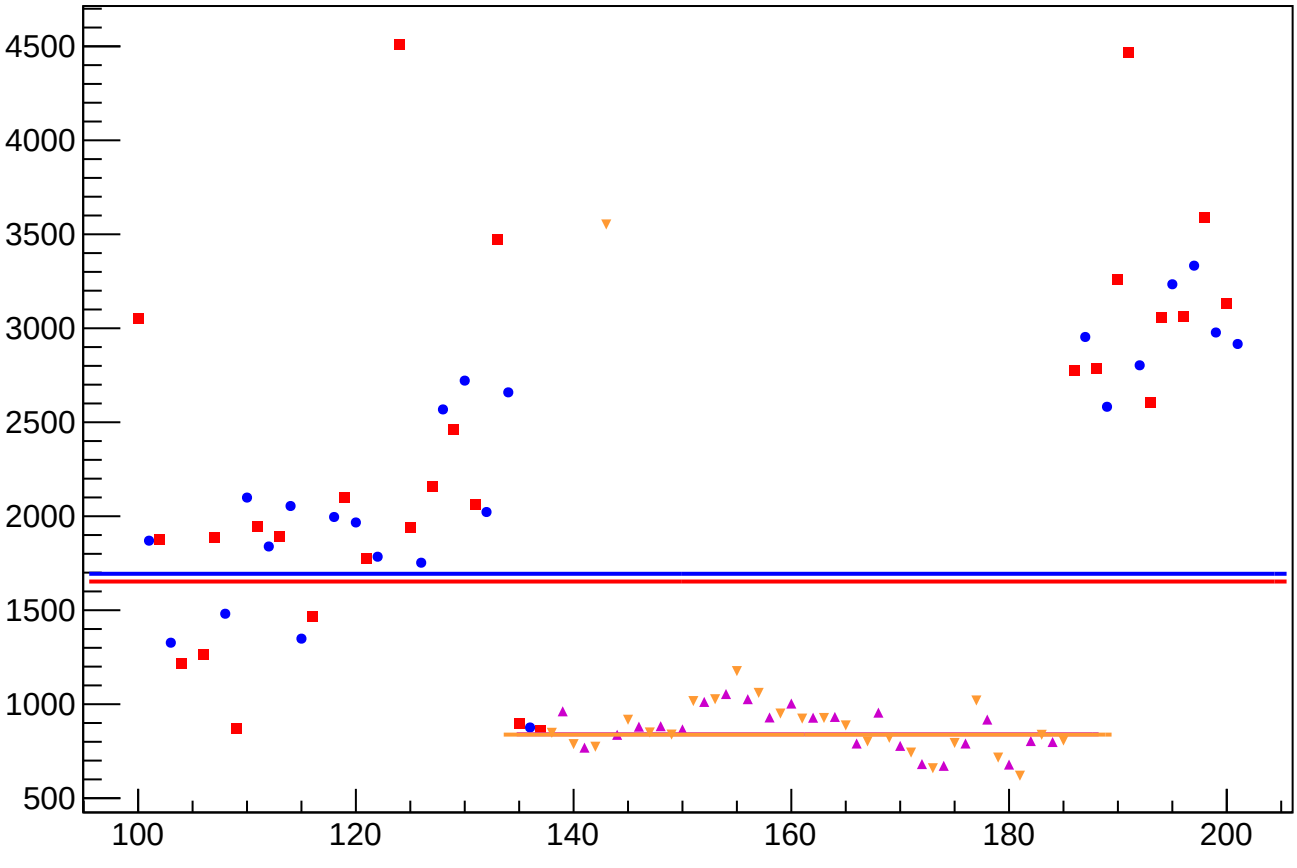
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 82.851+/-366.081 χ^2/NDF: 53.4/50

In: -94.682+/-185.861 χ^2/NDF:50.5/45

Out: 432.791+/-182.537 χ^2/NDF:92.2/52

All: 173.814+/-130.233 χ^2/NDF: 146.8/98



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: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

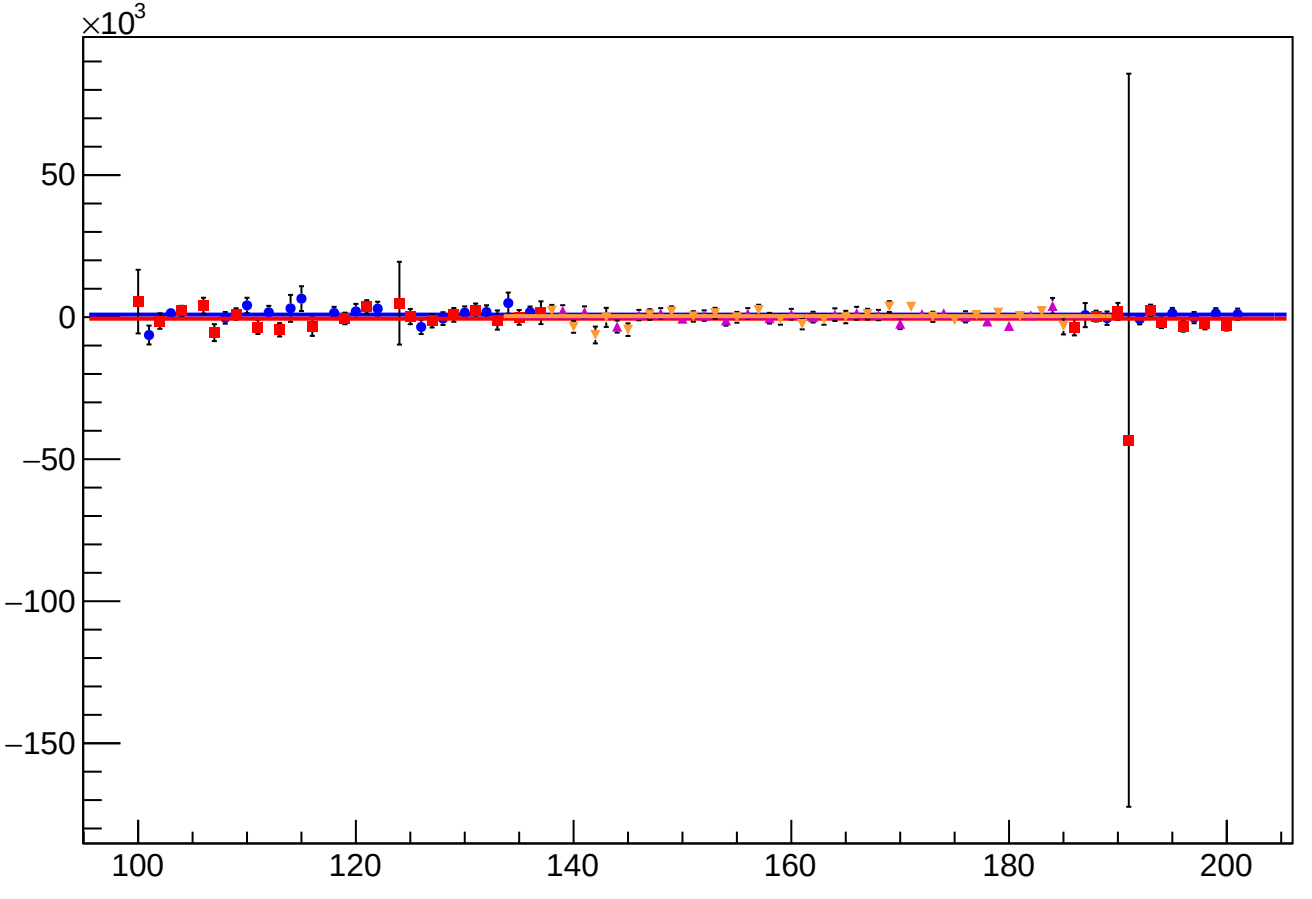
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1672.371+/-0.259 χ^2/NDF: 9249103.9/50

In: 945.212+/-0.131 χ^2/NDF:9287110.8/45

Out: 943.930+/-0.129 χ^2/NDF:11482141.3/52

All: 944.559+/-0.092 χ^2/NDF: 20769300.6/98



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: -550.753+/-467.555 χ^2/NDF: 27.7/27

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

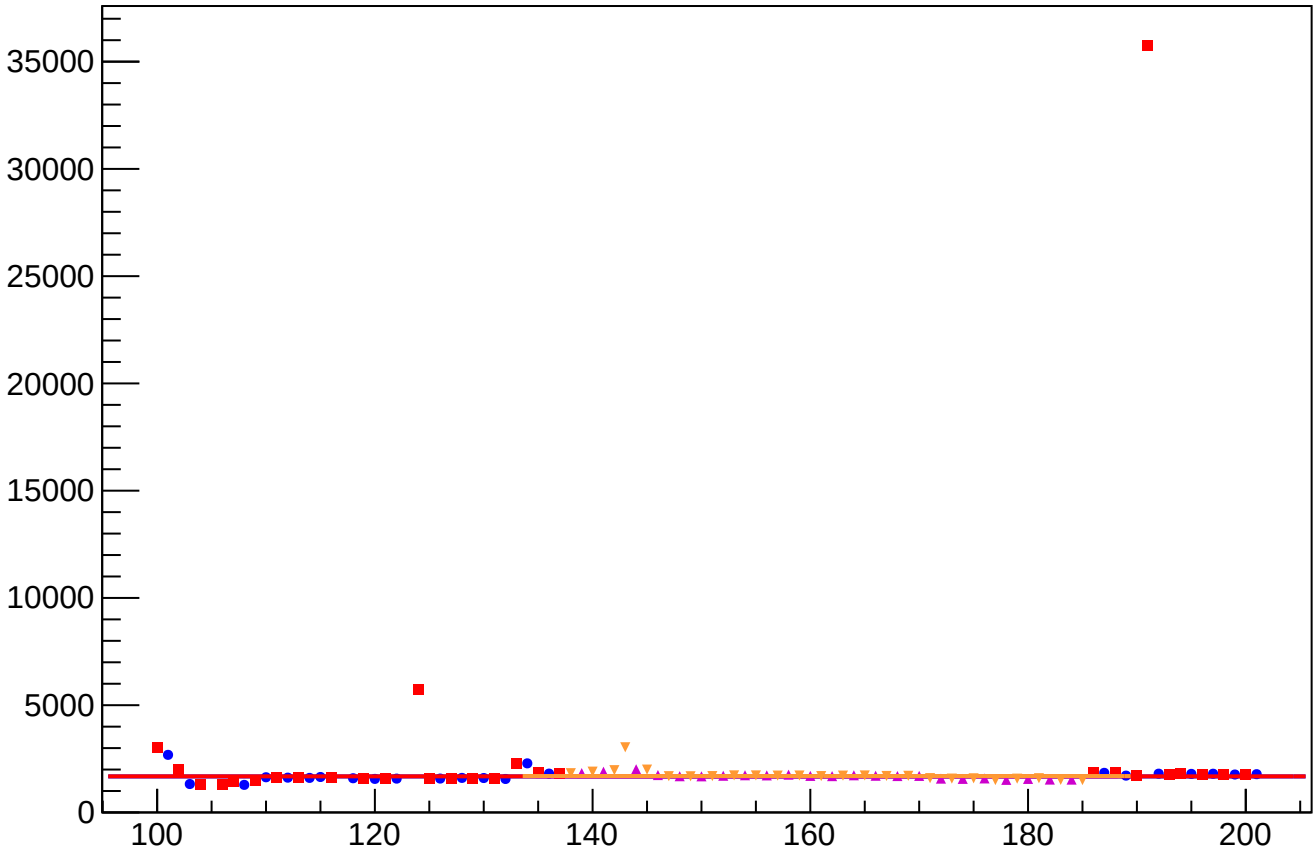
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 150.674+/-335.749 χ^2/NDF: 48.4/50

In: 453.462+/-305.282 χ^2/NDF:33.5/45

Out: -10.640+/-298.641 χ^2/NDF:59.5/52

All: 216.307+/-213.480 χ^2/NDF: 94.2/98



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: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

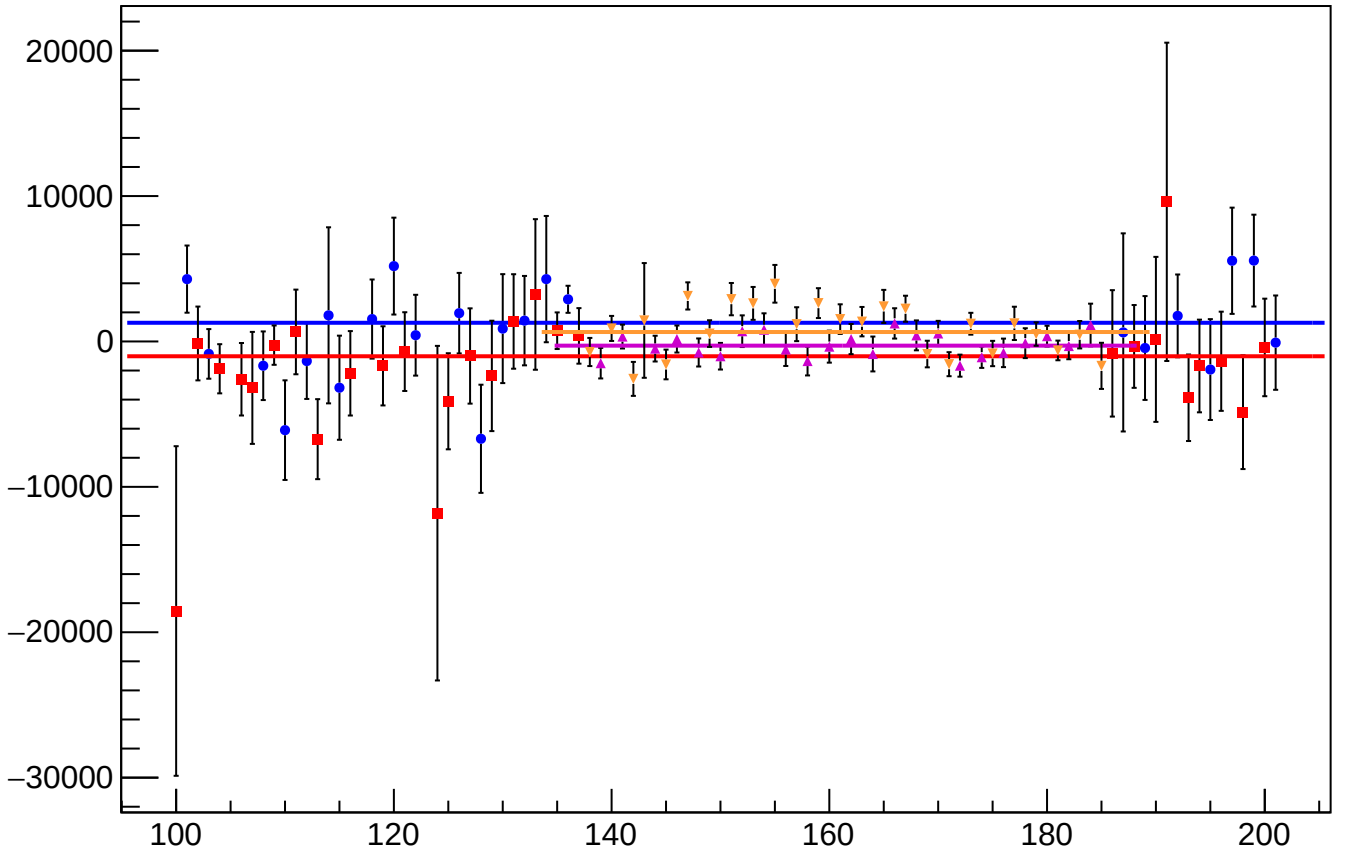
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1680.777+/-0.237 χ^2/NDF: 1133204.0/50

In: 1681.925+/-0.216 χ^2/NDF:632824.4/45

Out: 1691.757+/-0.211 χ^2/NDF:1162298.0/52

All: 1686.949+/-0.151 χ^2/NDF: 1796182.5/98



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: -1018.368+/-506.741 χ^2/NDF: 17.3/27

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

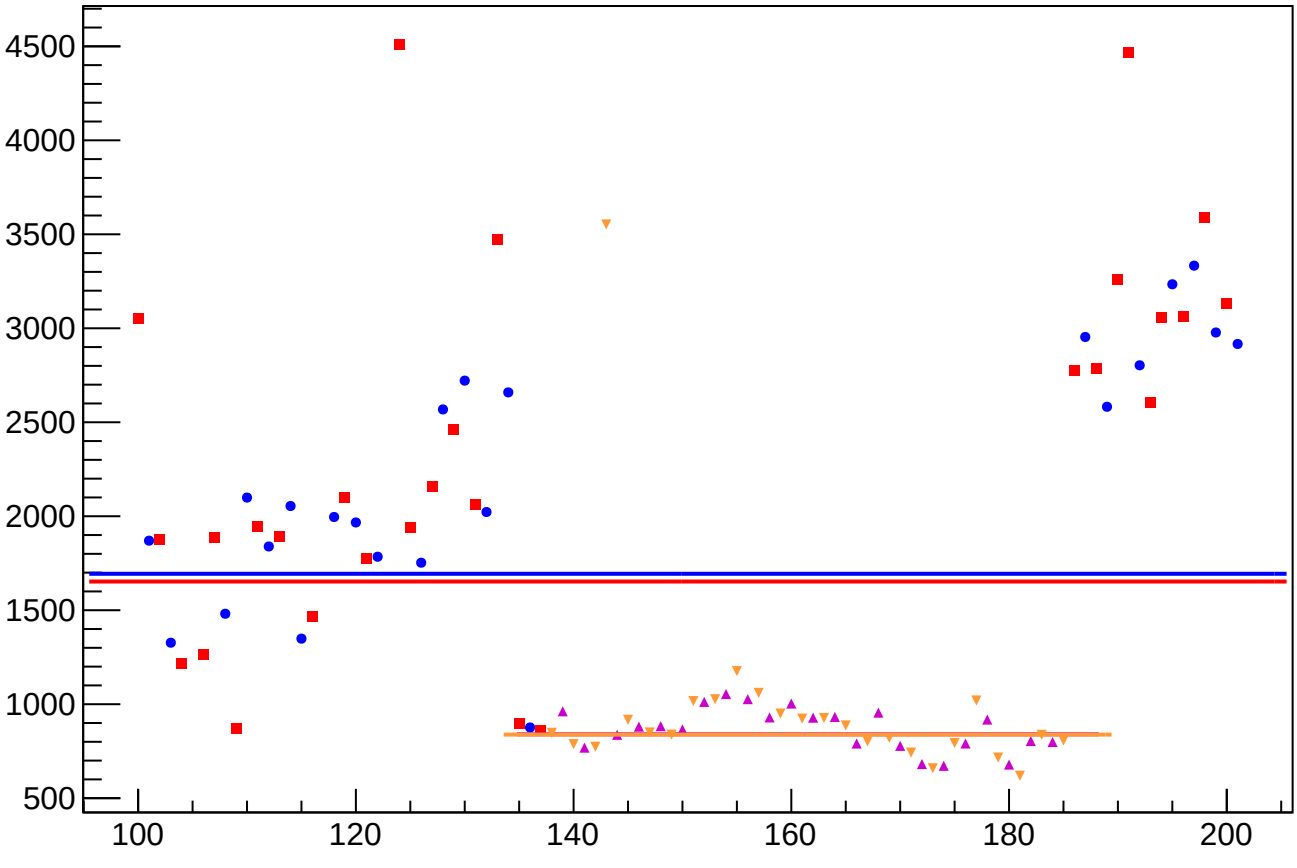
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 82.851+/-366.081 χ^2/NDF: 53.4/50

In: -94.682+/-185.861 χ^2/NDF:50.5/45

Out: 432.791+/-182.537 χ^2/NDF:92.2/52

All: 173.814+/-130.233 χ^2/NDF: 146.8/98



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: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

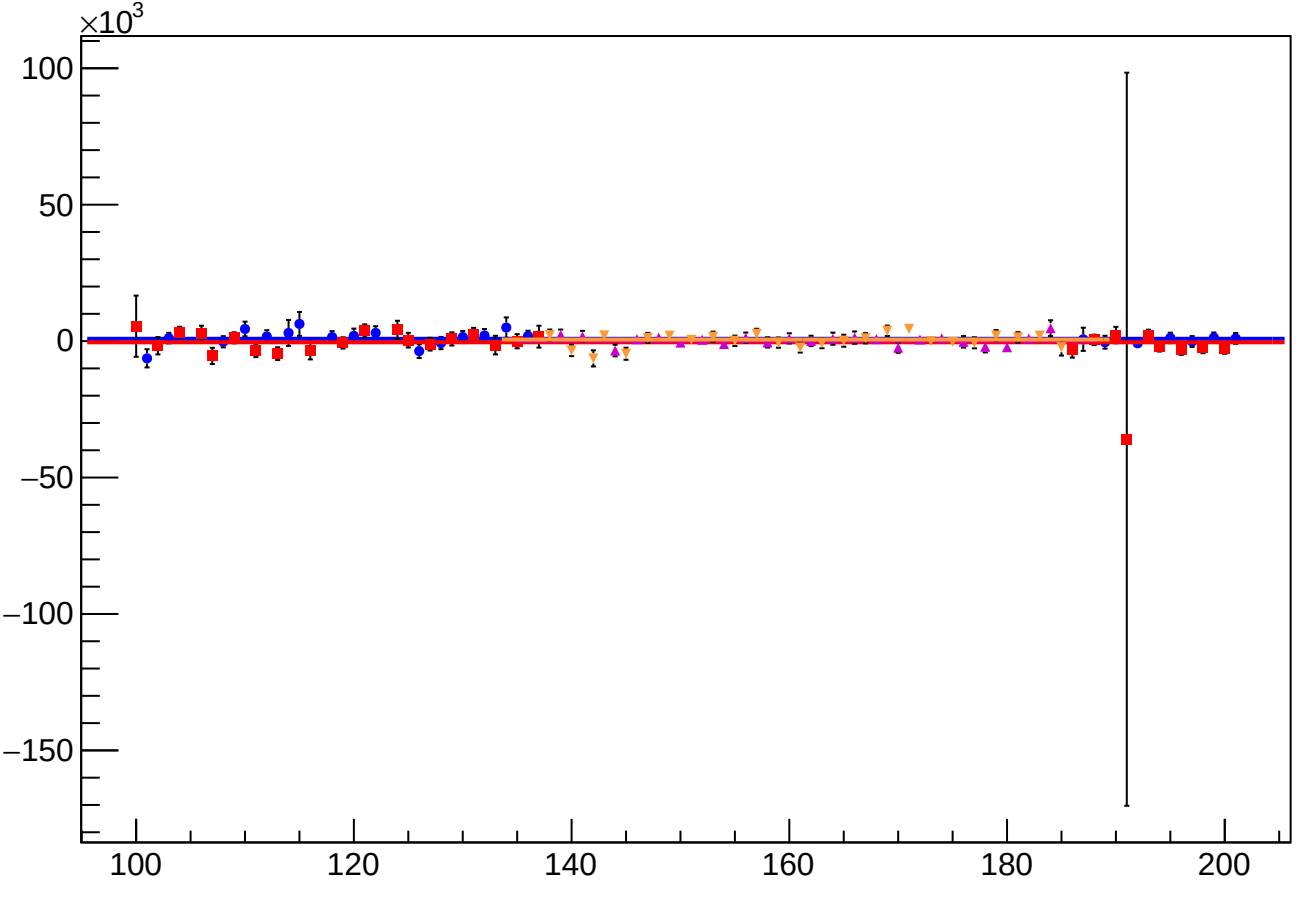
Right: 1672.371+/-0.259 χ^2/NDF: 9249103.9/50

In: 945.212+/-0.131 χ^2/NDF:9287110.8/45

Out: 943.930+/-0.129 χ^2/NDF:11482141.3/52

All: 944.559+/-0.092 χ^2/NDF: 20769300.6/98

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: -435.121+/-468.052 χ^2/NDF: 29.9/27

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

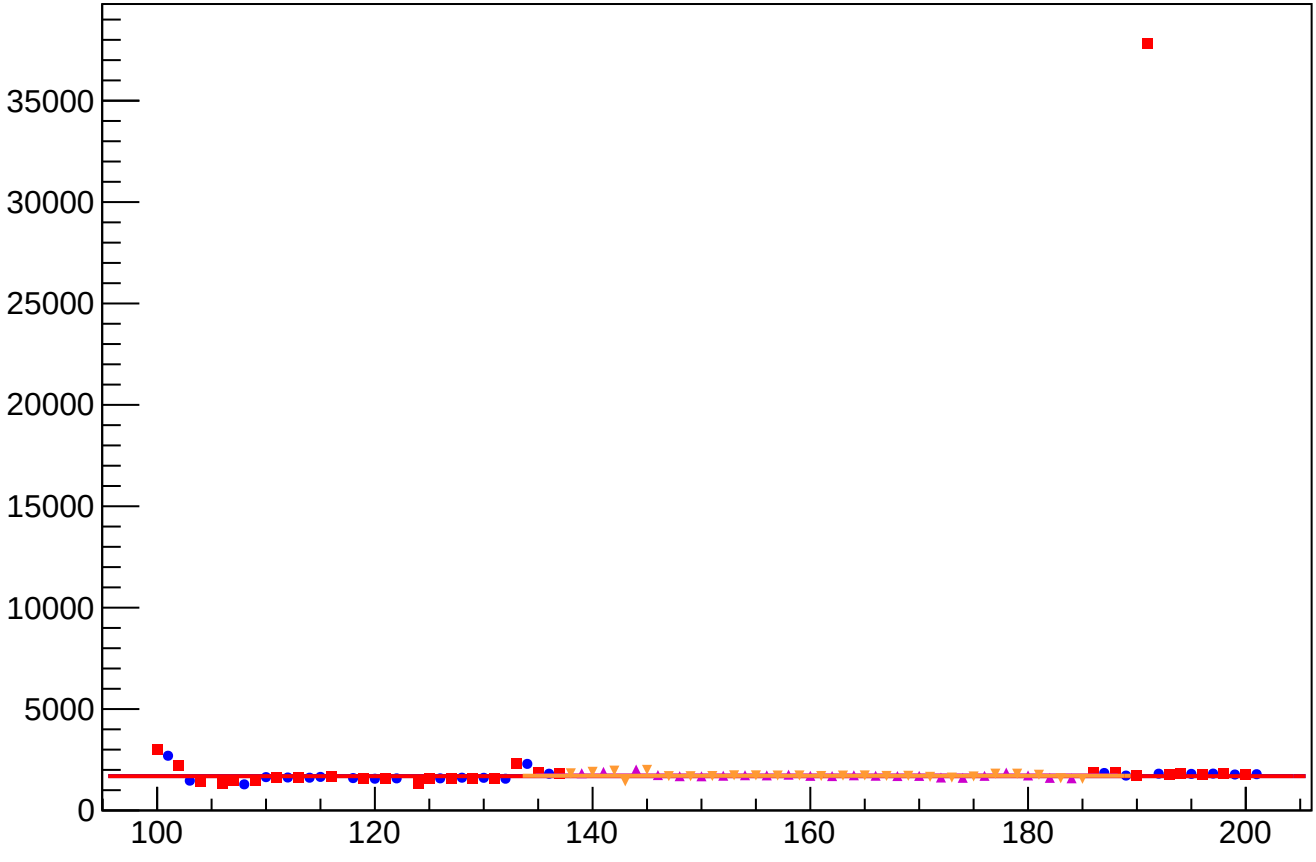
Right: 183.165+/-337.453 χ^2/NDF: 50.2/50

In: 457.672+/-310.972 χ^2/NDF:32.2/45

Out: 164.489+/-299.515 χ^2/NDF:64.6/52

All: 305.581+/-215.726 χ^2/NDF: 97.2/98

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1689.459+/-0.331 χ^2/NDF: 526096.2/27

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

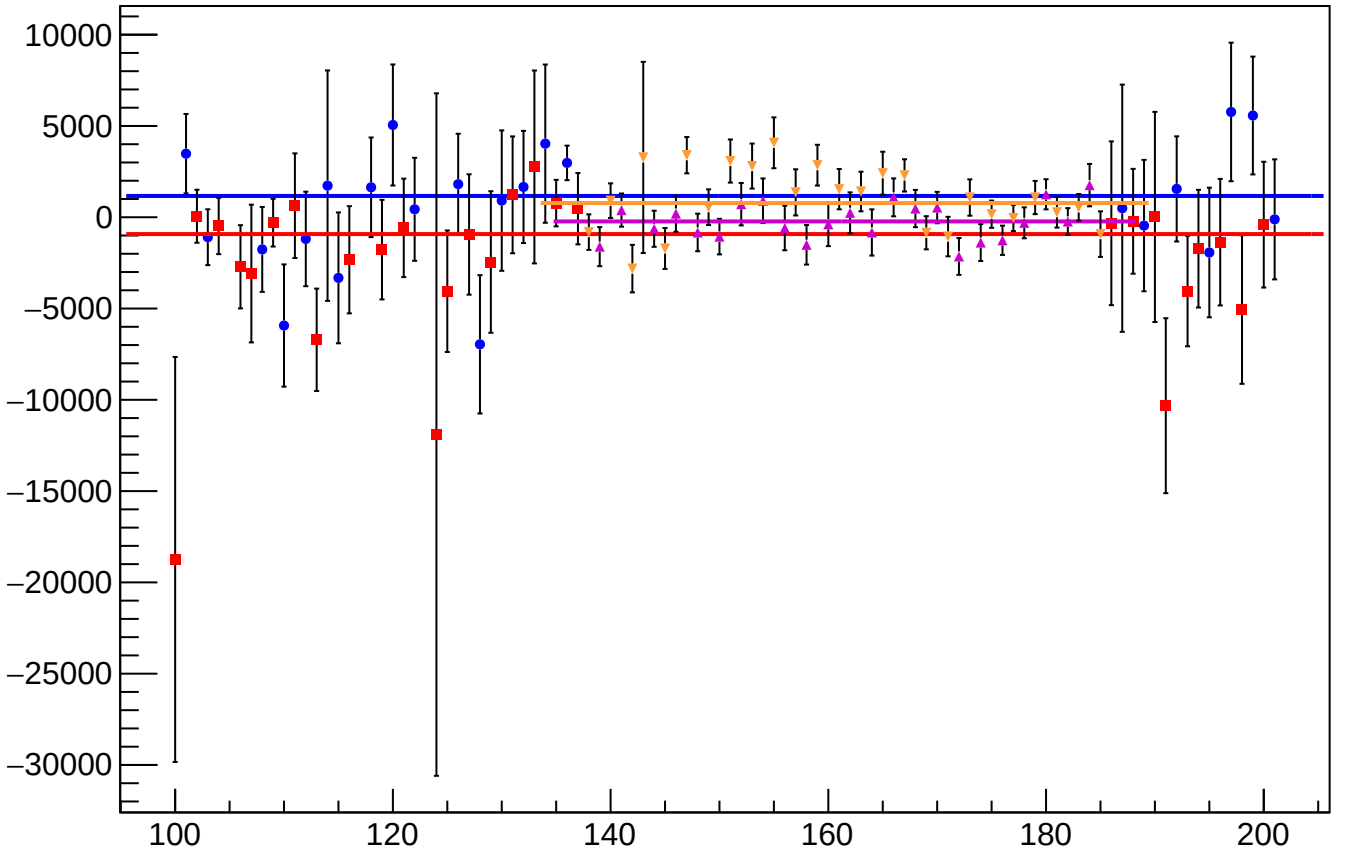
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1692.454+/-0.239 χ^2/NDF: 937782.6/50

In: 1714.775+/-0.220 χ^2/NDF:516926.5/45

Out: 1702.599+/-0.212 χ^2/NDF:696772.0/52

All: 1708.459+/-0.153 χ^2/NDF: 1215289.1/98



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: -921.952+/-480.707 χ^2/NDF: 19.9/27

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

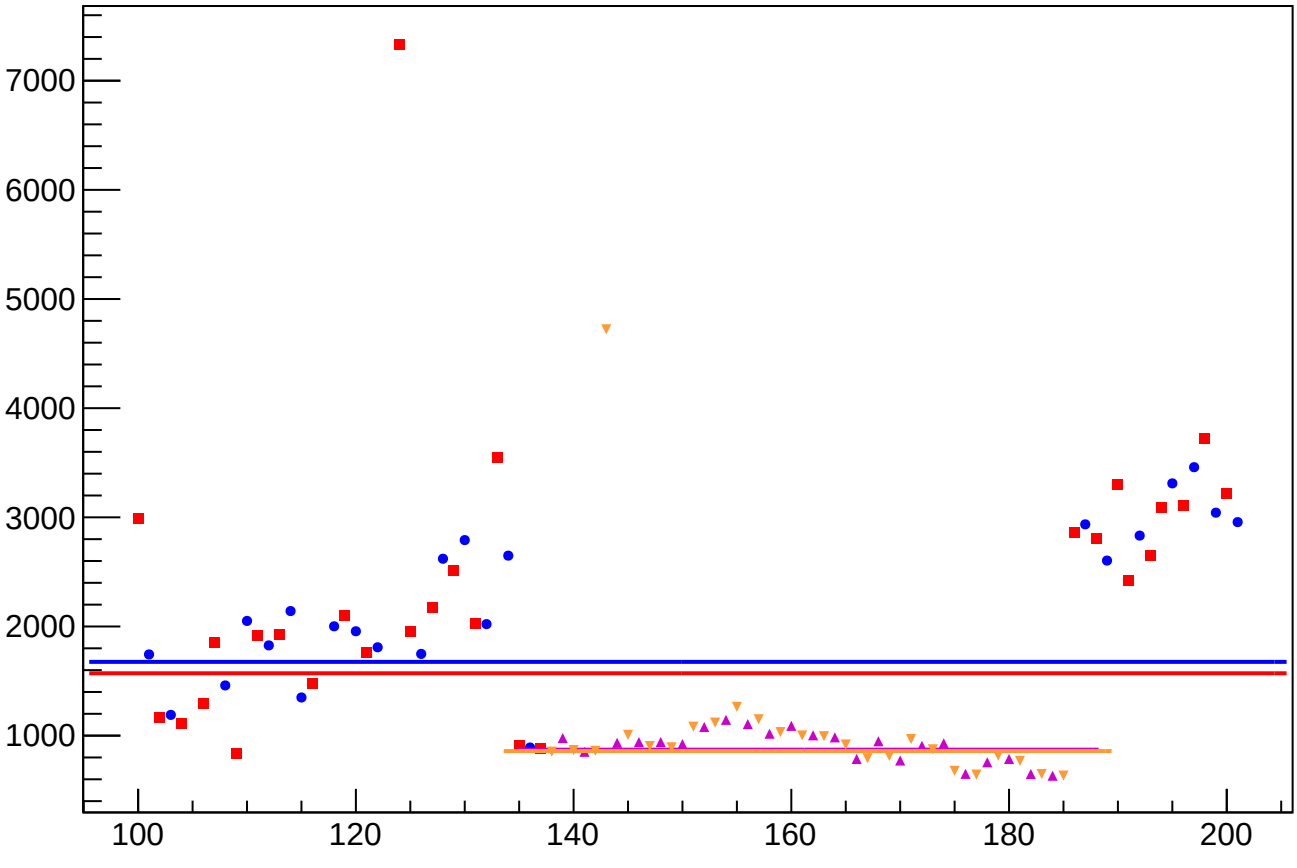
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 28.995+/-354.773 χ^2/NDF: 55.1/50

In: -42.066+/-192.370 χ^2/NDF:55.2/45

Out: 524.471+/-185.945 χ^2/NDF:85.1/52

All: 250.822+/-133.697 χ^2/NDF: 144.9/98



Right In: 1675.895+/-0.372 χ^2/NDF: 4176255.7/22

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1571.248+/-0.340 χ^2/NDF: 5585882.1/27

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

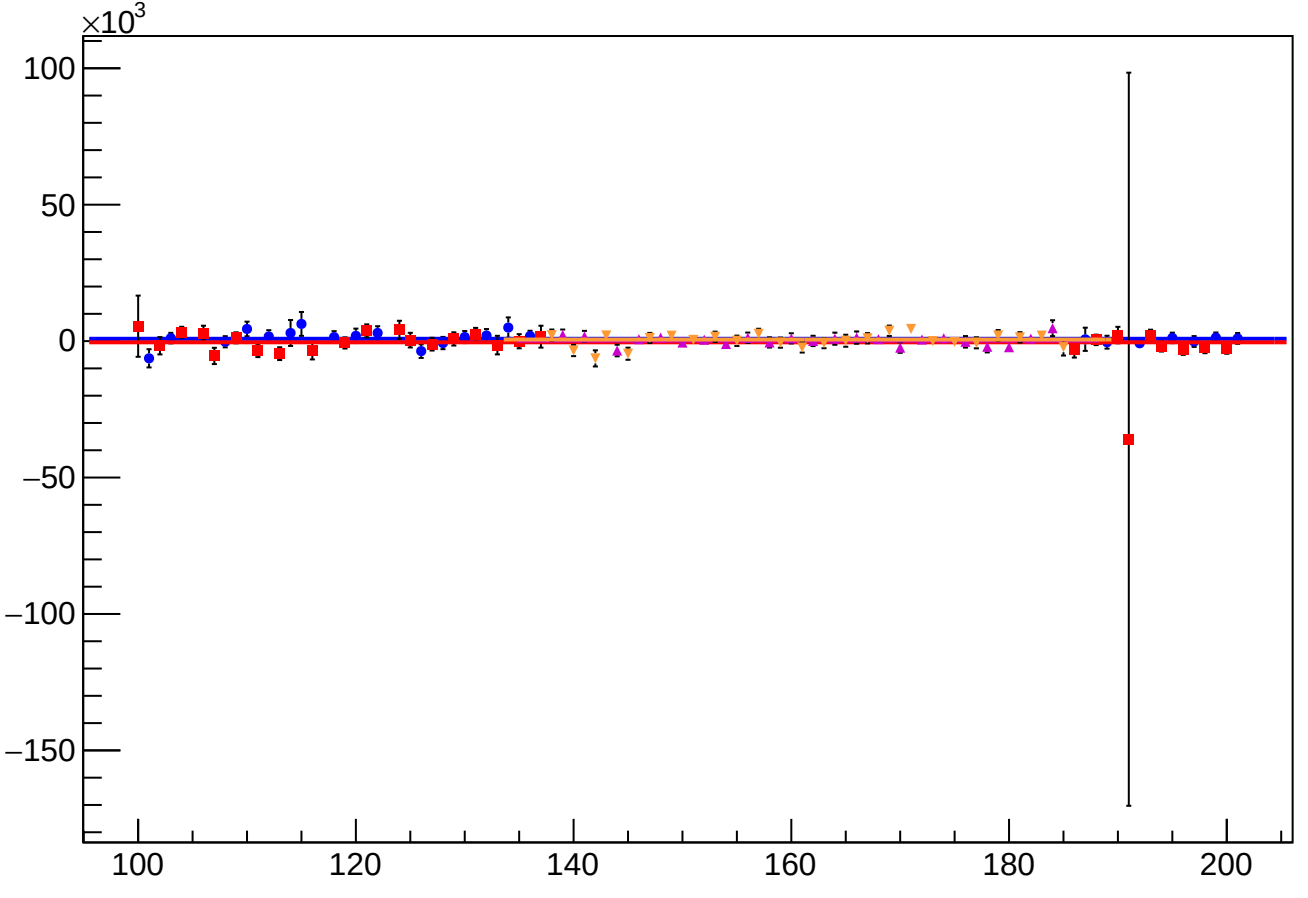
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1618.896+/-0.251 χ^2/NDF: 9805294.2/50

In: 979.210+/-0.136 χ^2/NDF:9210122.4/45

Out: 965.224+/-0.131 χ^2/NDF:11603647.4/52

All: 971.980+/-0.095 χ^2/NDF: 20819234.6/98



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: -435.118+/-468.052 χ^2/NDF: 29.9/27

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

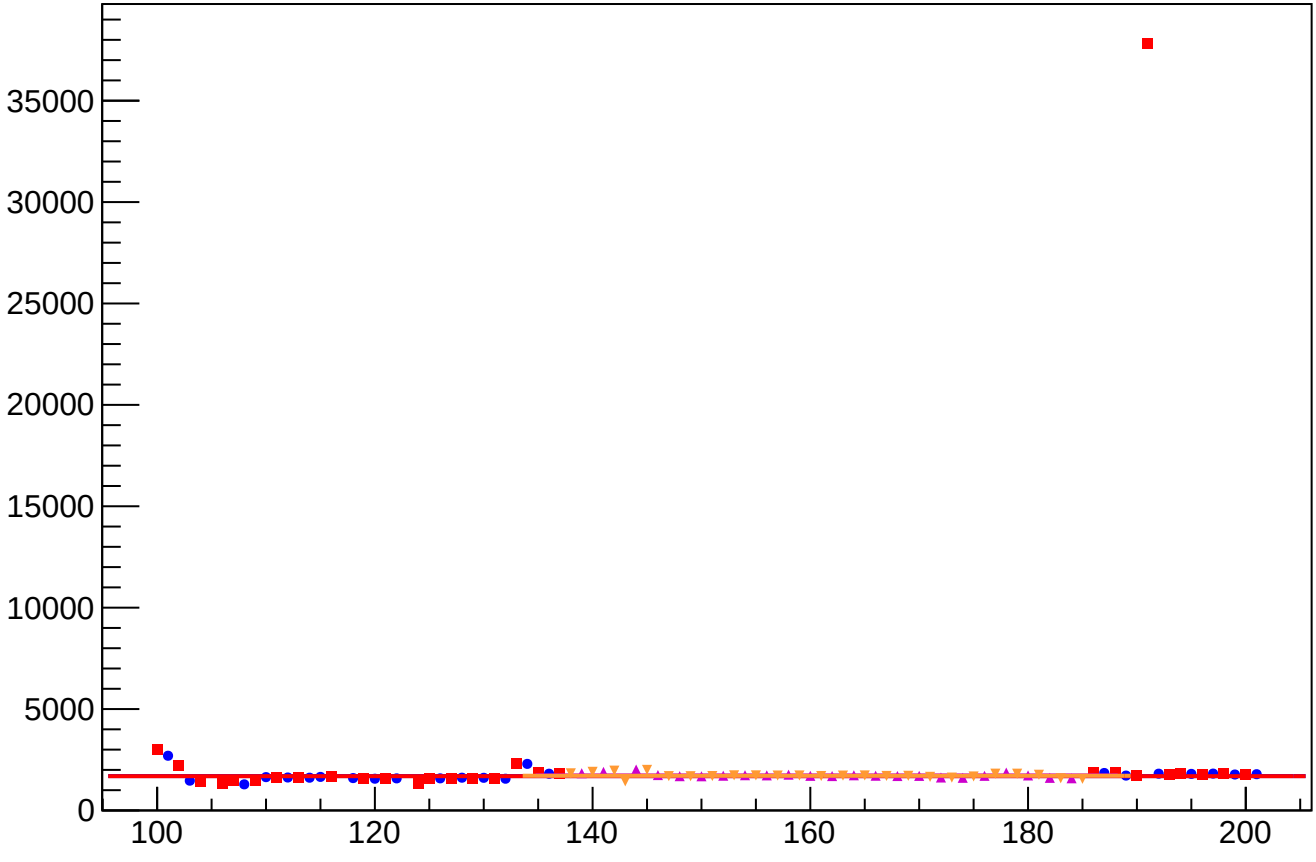
Right: 183.167+/-337.453 χ^2/NDF: 50.2/50

In: 457.673+/-310.972 χ^2/NDF:32.2/45

Out: 164.487+/-299.515 χ^2/NDF:64.6/52

All: 305.580+/-215.726 χ^2/NDF: 97.2/98

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1689.459+/-0.331 χ^2/NDF: 526096.4/27

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

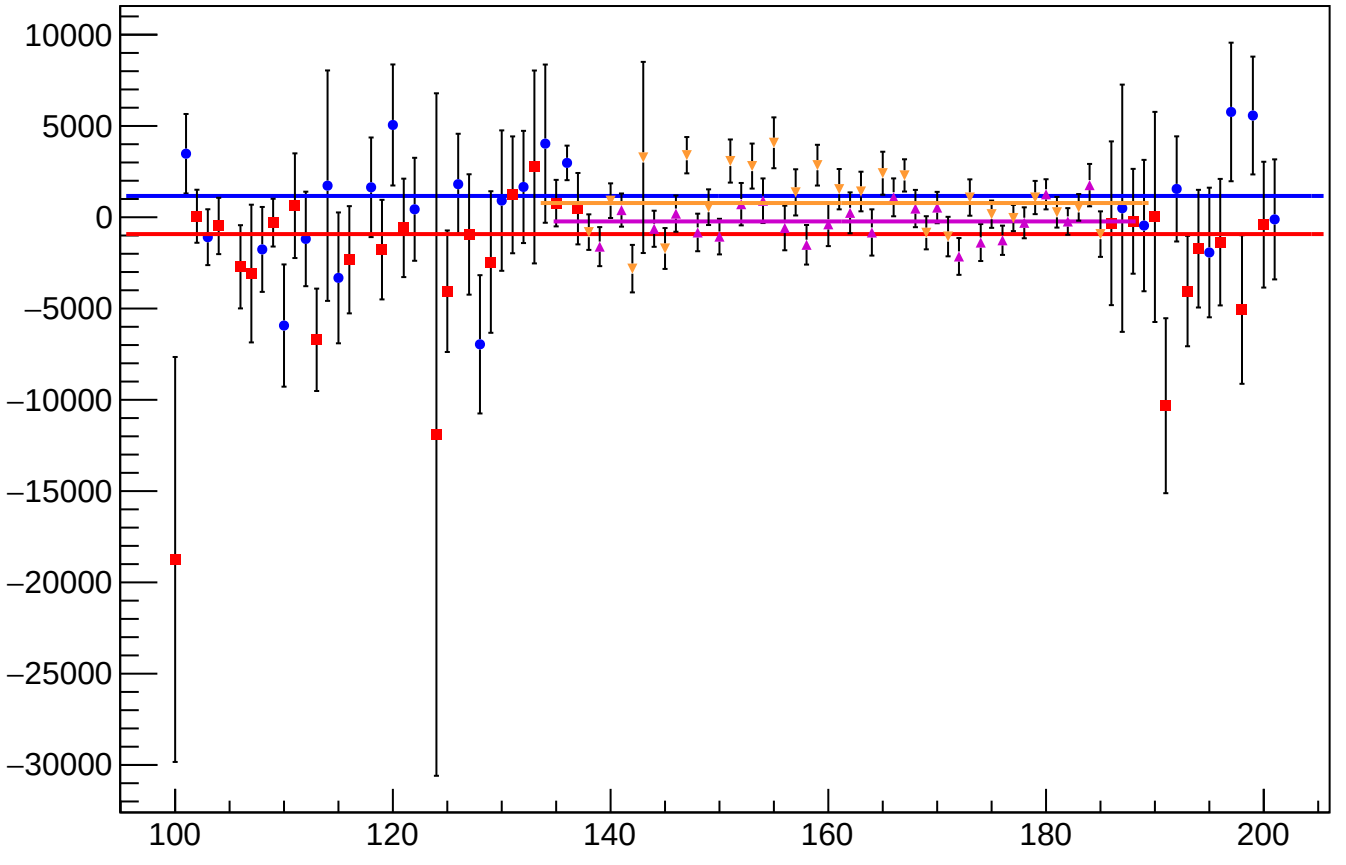
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1692.454+/-0.239 χ^2/NDF: 937782.6/50

In: 1714.775+/-0.220 χ^2/NDF:516926.2/45

Out: 1702.599+/-0.212 χ^2/NDF:696771.0/52

All: 1708.459+/-0.153 χ^2/NDF: 1215287.6/98



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: -921.967+/-480.710 χ^2/NDF: 19.9/27

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

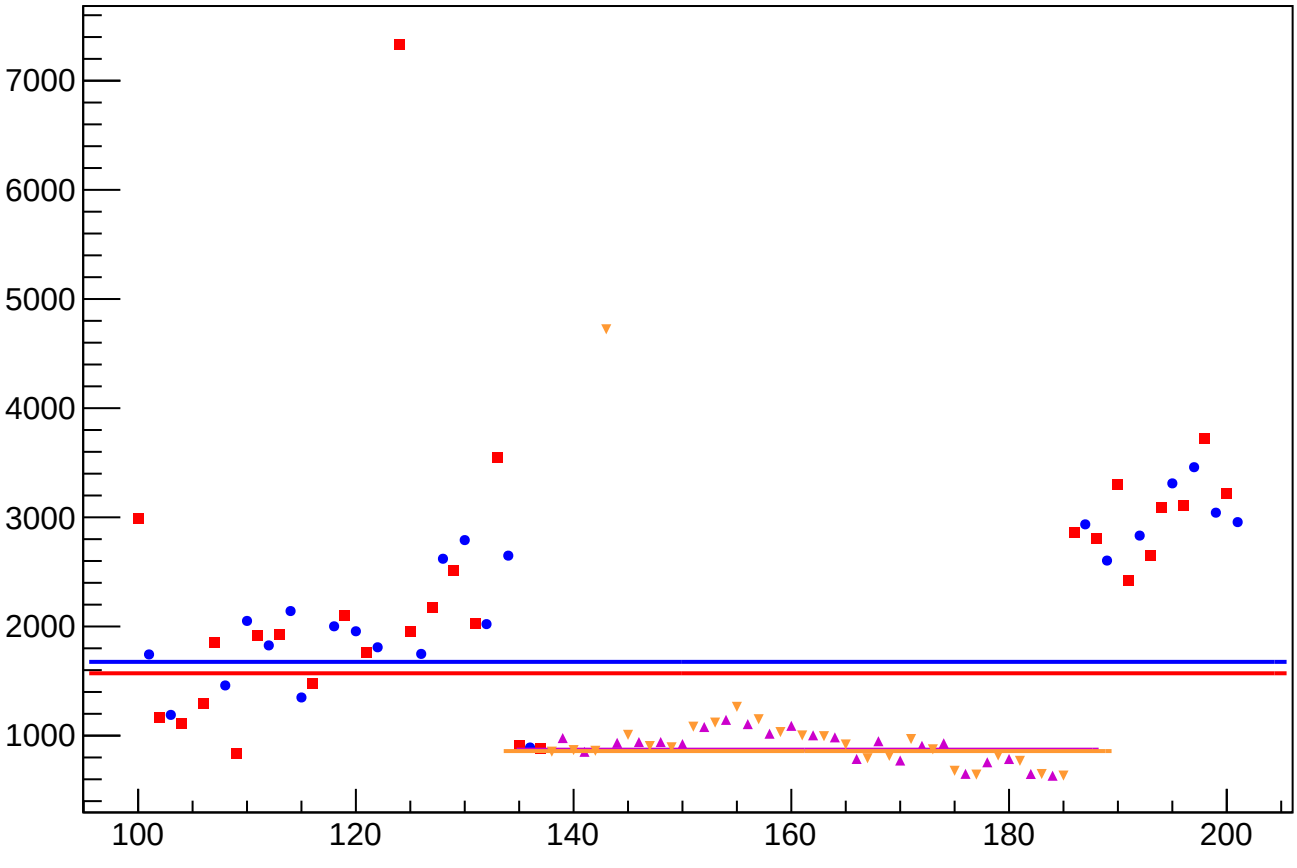
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 28.983+/-354.775 χ^2/NDF: 55.1/50

In: -42.067+/-192.370 χ^2/NDF:55.2/45

Out: 524.474+/-185.945 χ^2/NDF:85.1/52

All: 250.823+/-133.697 χ^2/NDF: 144.9/98



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: 1571.262+/-0.340 χ^2/NDF: 5585756.4/27

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

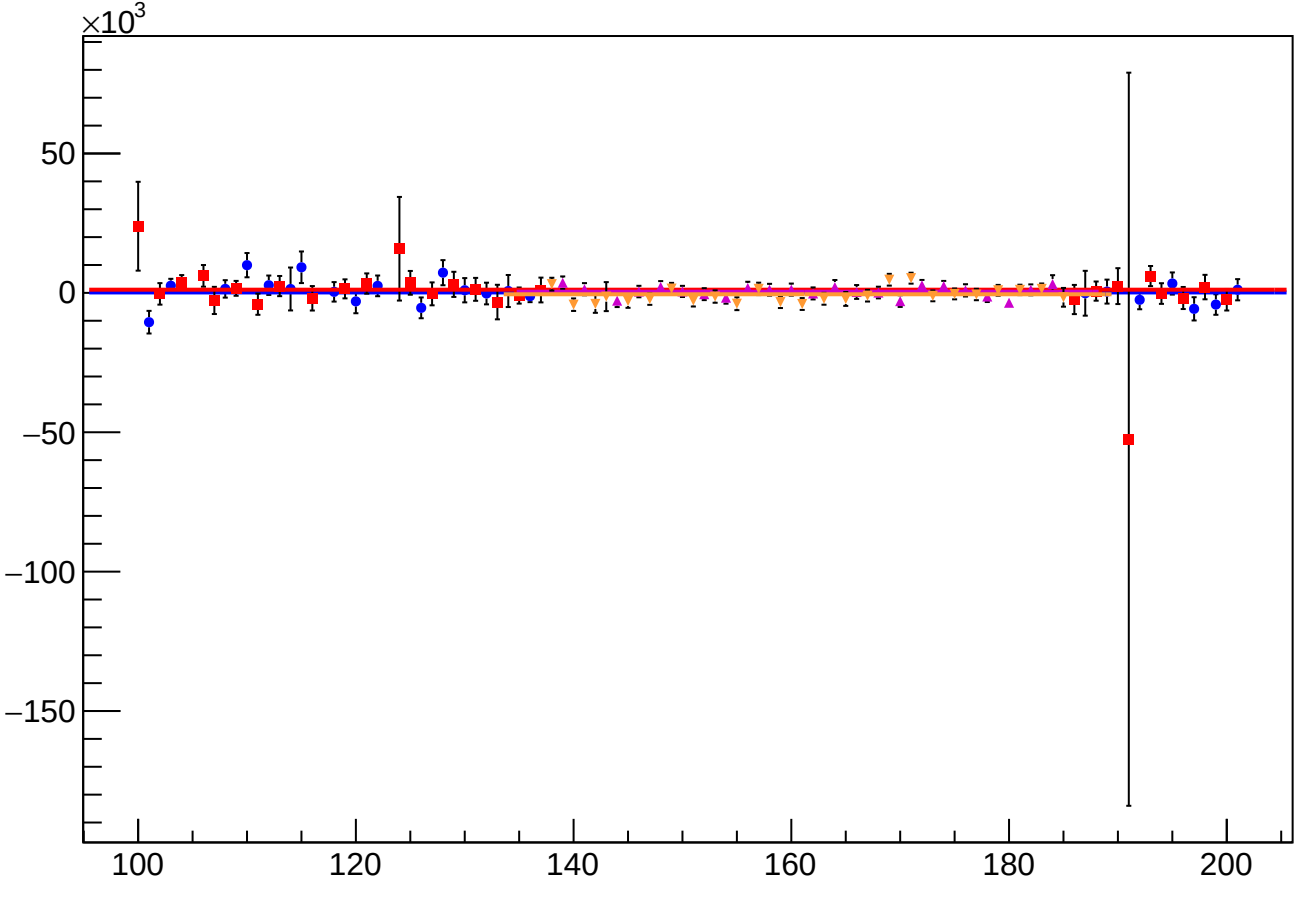
Right: 1618.911+/-0.251 χ^2/NDF: 9805031.4/50

In: 979.210+/-0.136 χ^2/NDF:9210118.3/45

Out: 965.226+/-0.131 χ^2/NDF:11603621.8/52

All: 971.980+/-0.095 χ^2/NDF: 20819204.0/98

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: 1141.171+/-758.418 χ^2/NDF: 15.0/27

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

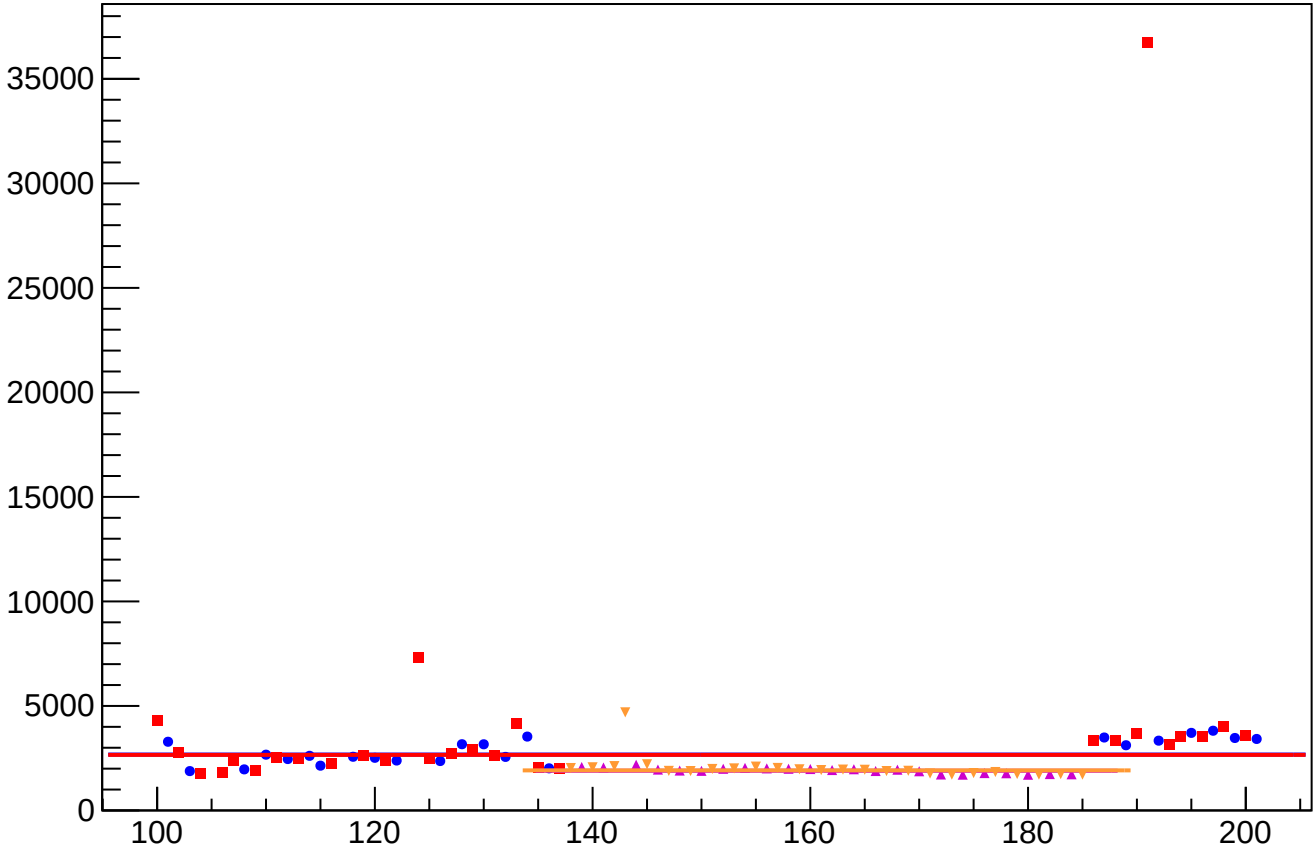
Right: 664.447+/-544.908 χ^2/NDF: 42.8/50

In: 349.074+/-386.654 χ^2/NDF:45.9/45

Out: -87.970+/-380.534 χ^2/NDF:54.4/52

All: 127.066+/-271.216 χ^2/NDF: 101.0/98

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: 2659.118+/-0.536 χ^2/NDF: 1840589.7/27

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

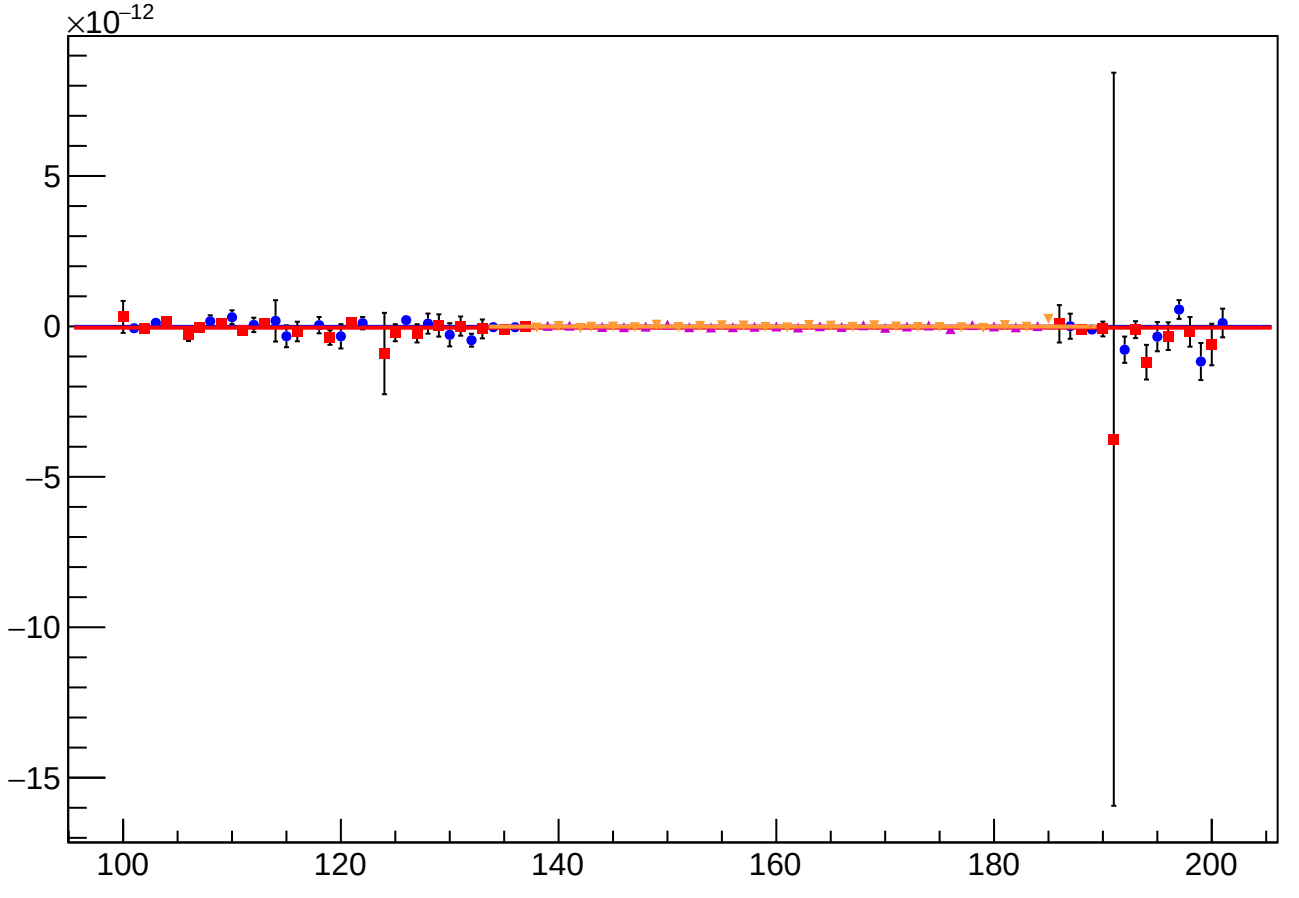
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2666.484+/-0.385 χ^2/NDF: 3110606.4/50

In: 2088.049+/-0.273 χ^2/NDF:2923856.3/45

Out: 2103.948+/-0.269 χ^2/NDF:4029245.2/52

All: 2096.125+/-0.192 χ^2/NDF: 6954819.3/98



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: 20.8/27

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

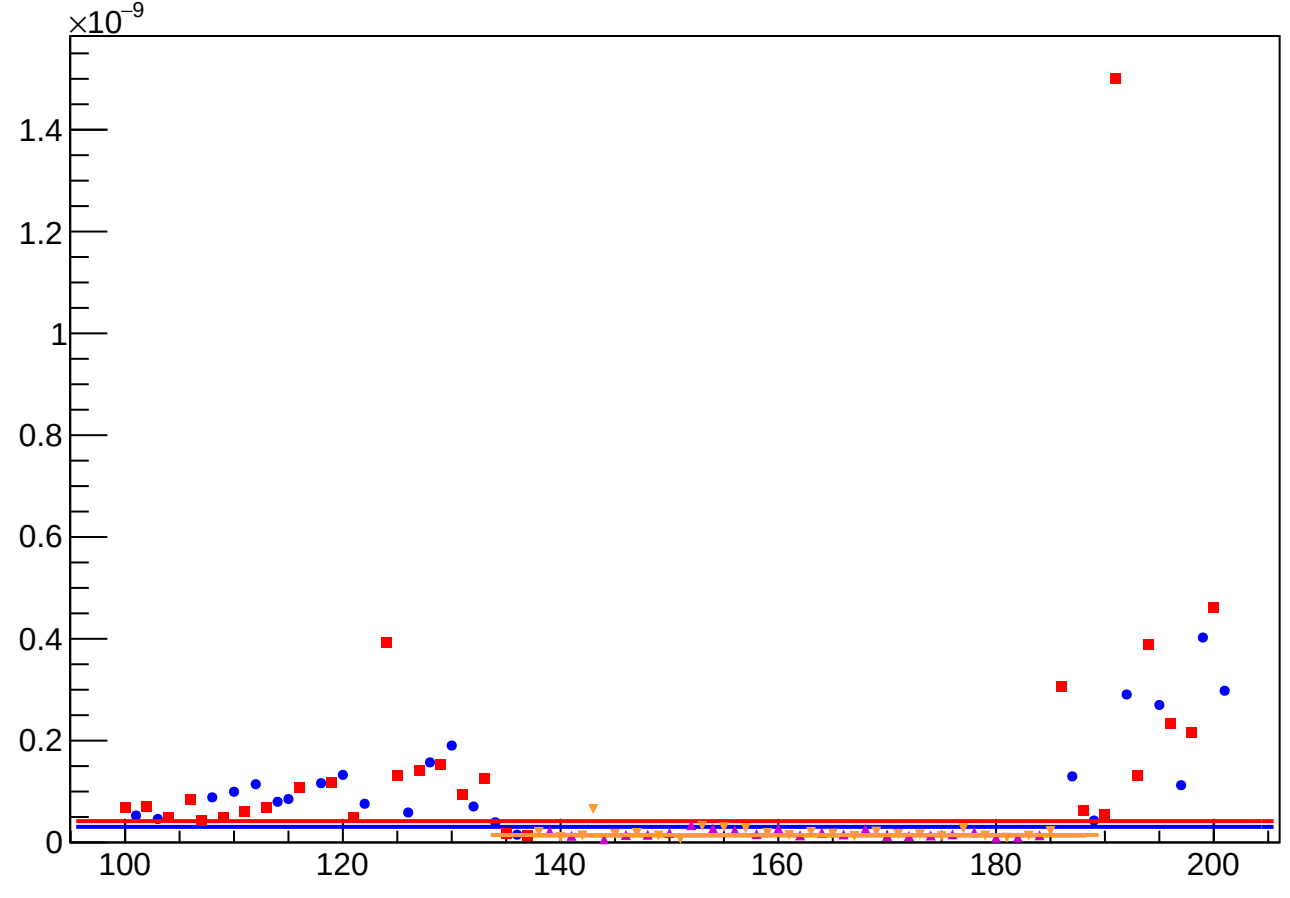
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/50

In: -0.000+/-0.000 χ^2/NDF:50.8/45

Out: -0.000+/-0.000 χ^2/NDF:51.1/52

All: -0.000+/-0.000 χ^2/NDF: 102.0/98



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: 5237189.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

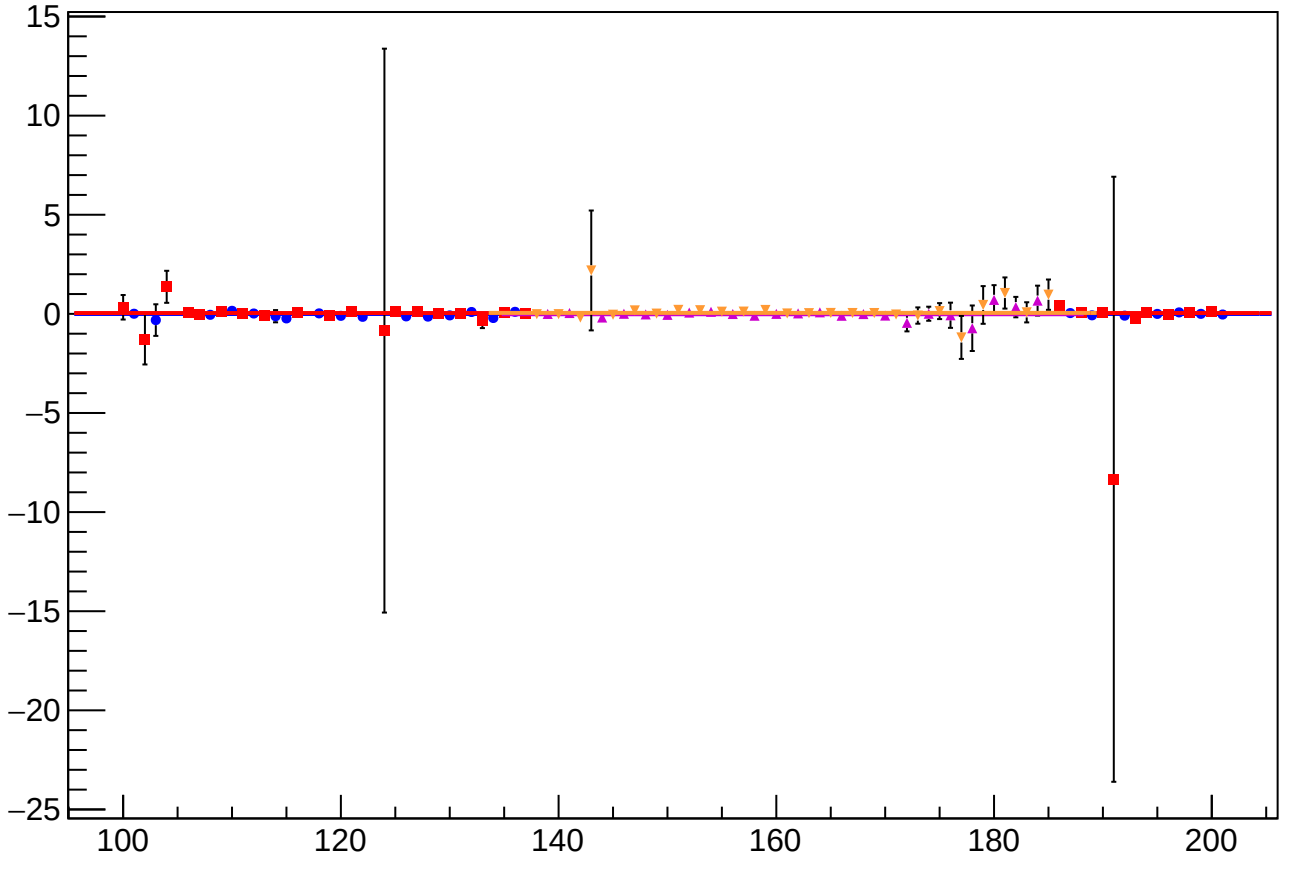
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11039410.2/50

In: 0.000+/-0.000 χ^2/NDF:8630225.7/45

Out: 0.000+/-0.000 χ^2/NDF:9083541.2/52

All: 0.000+/-0.000 χ^2/NDF: 17731271.5/98



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: 0.042+/-0.021 χ^2/NDF: 22.9/27

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

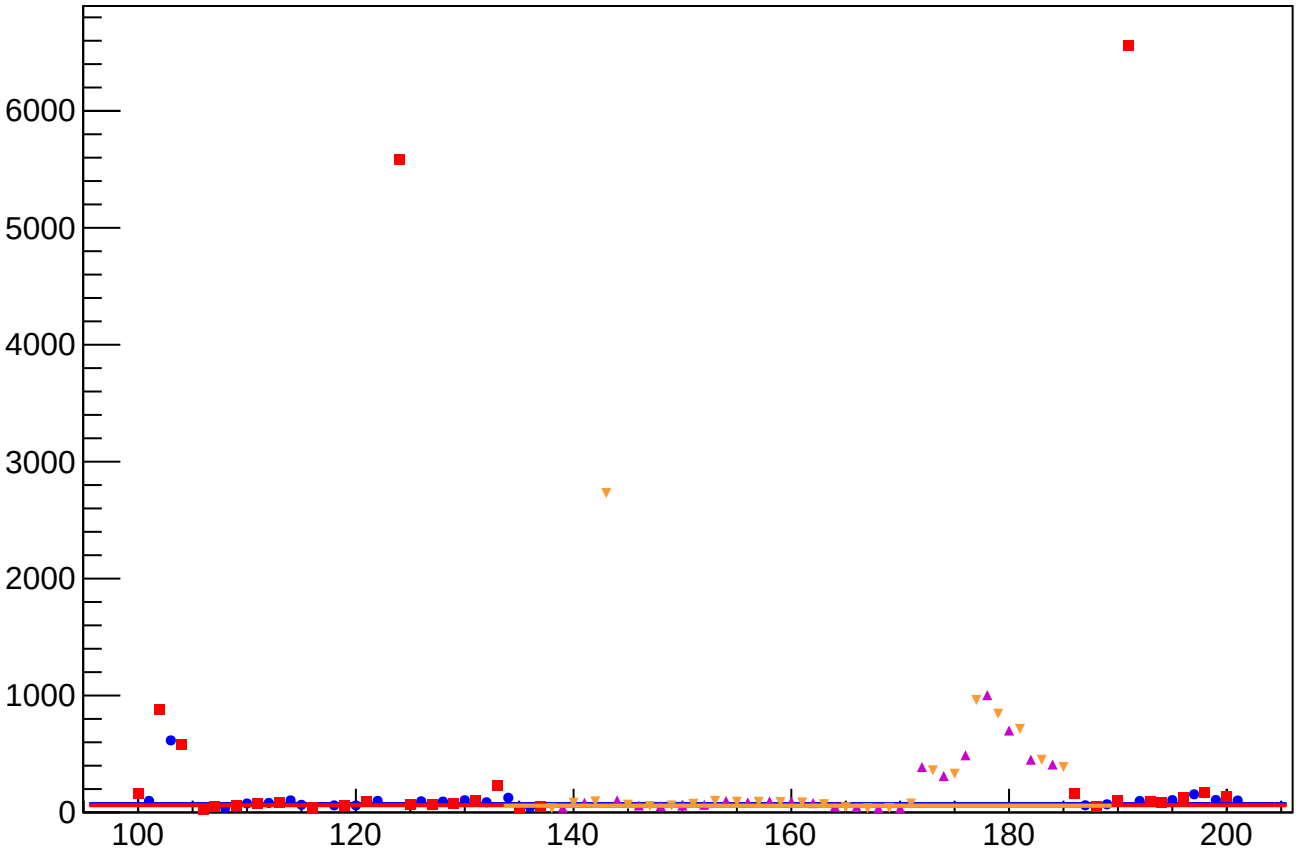
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 40.0/50

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 88.1/98



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: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

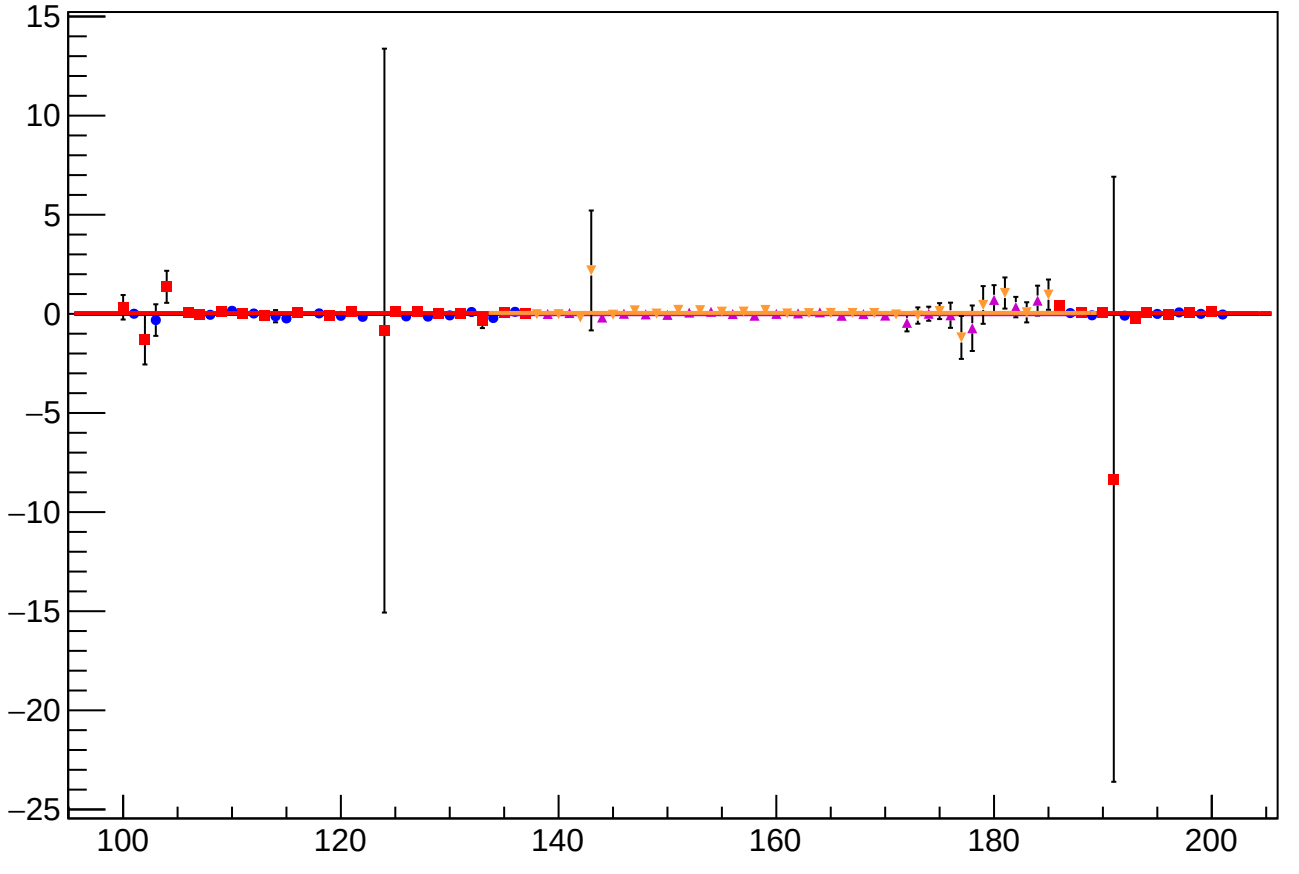
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 66.172+/-0.011 χ^2/NDF: 10658123.5/50

In: 63.243+/-0.010 χ^2/NDF:14348689.5/45

Out: 59.007+/-0.009 χ^2/NDF:19138847.8/52

All: 61.026+/-0.007 χ^2/NDF: 33586001.9/98



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: 0.042+/-0.021 χ^2/NDF: 22.9/27

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

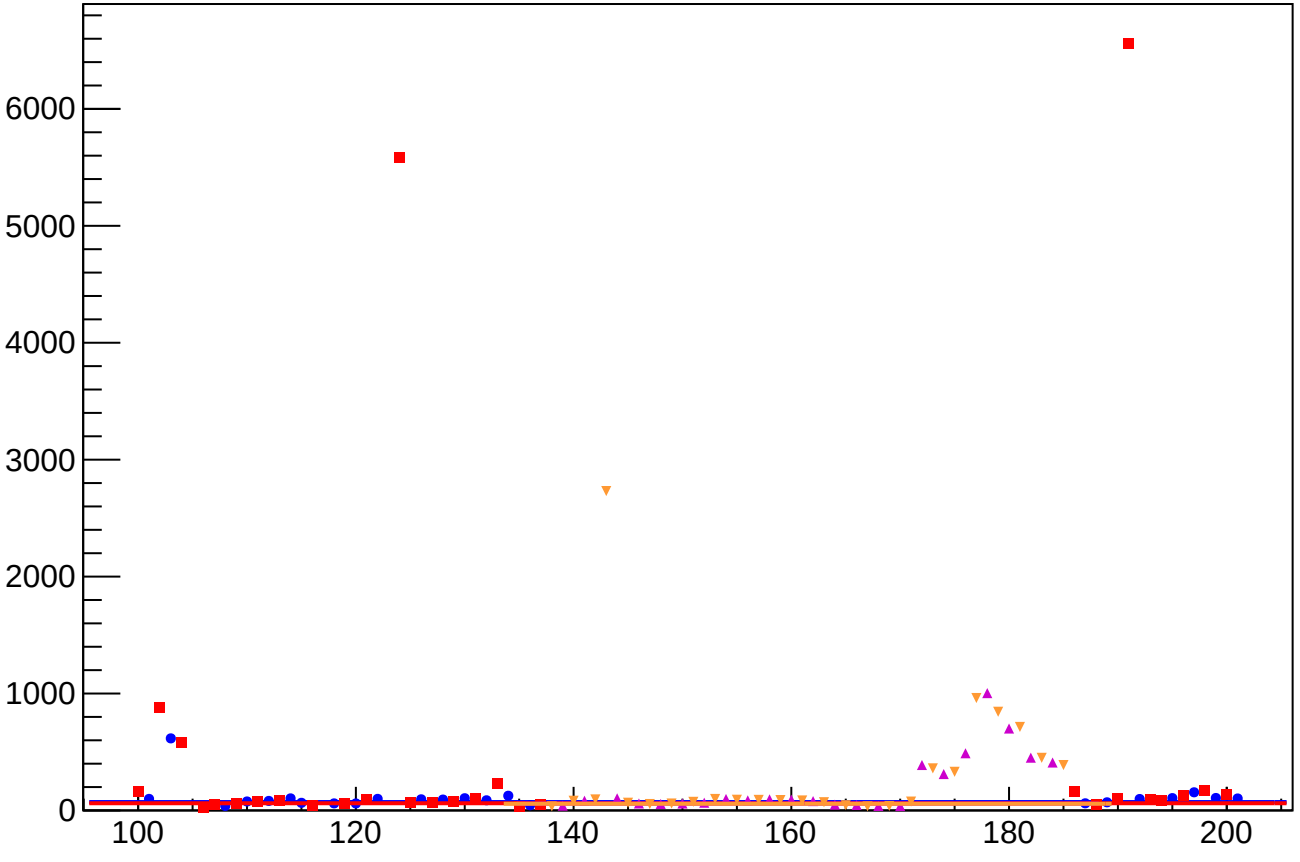
Right: 0.021+/-0.016 χ^2/NDF: 40.0/50

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 88.1/98

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

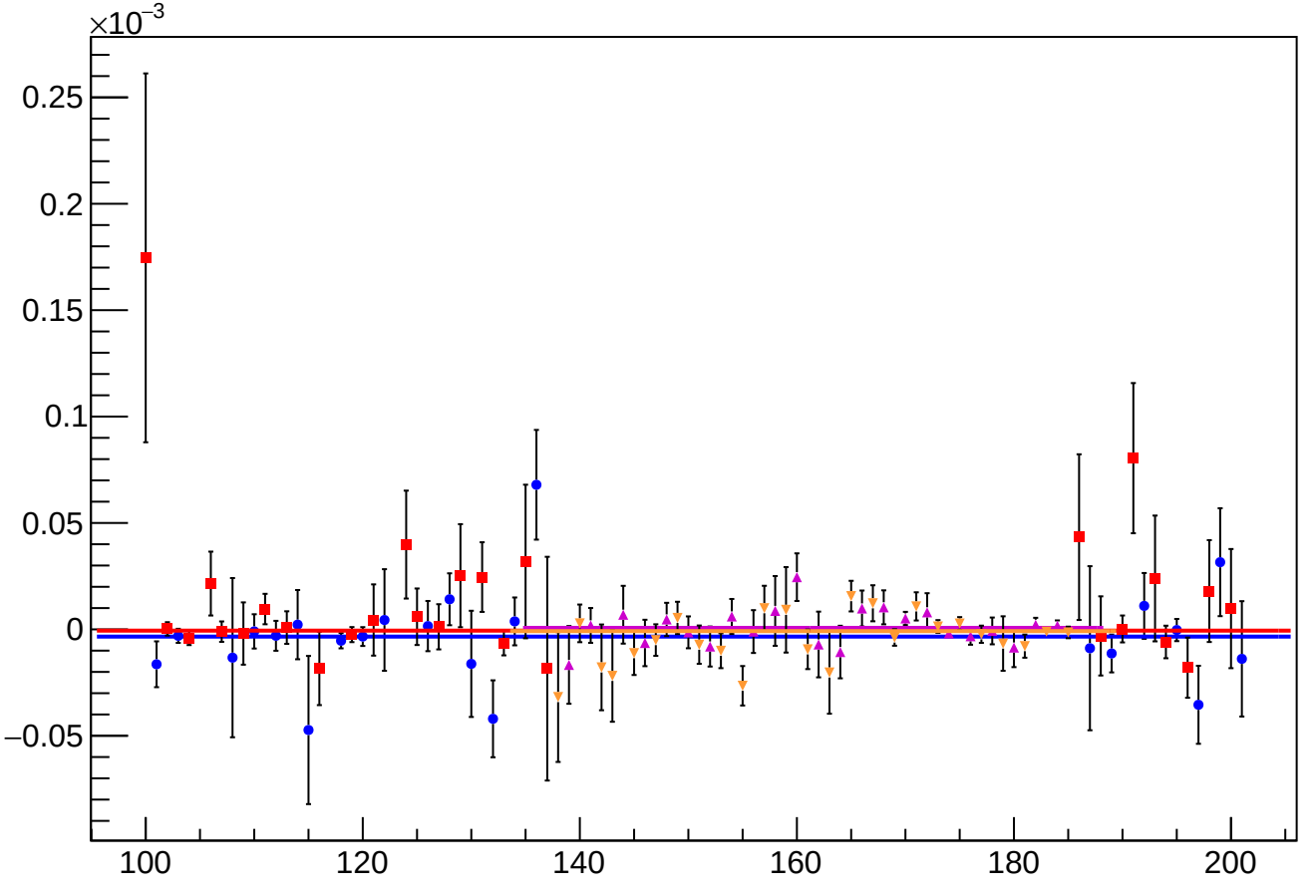
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 66.172+/-0.011 χ^2/NDF: 10658123.5/50

In: 63.243+/-0.010 χ^2/NDF:14348689.5/45

Out: 59.007+/-0.009 χ^2/NDF:19138847.8/52

All: 61.026+/-0.007 χ^2/NDF: 33586001.9/98



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: 29.2/27

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

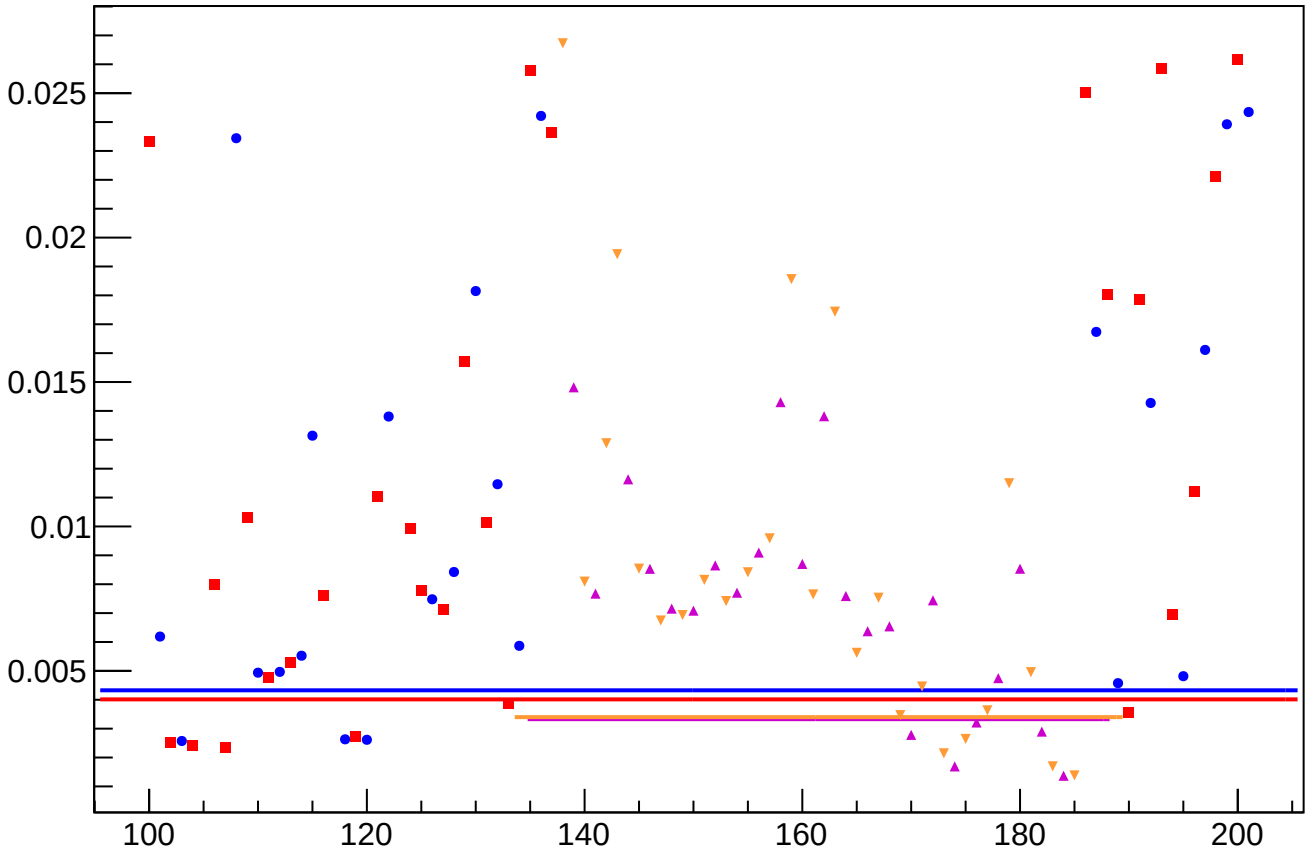
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/50

In: -0.000+/-0.000 χ^2/NDF:49.2/45

Out: -0.000+/-0.000 χ^2/NDF:62.0/52

All: -0.000+/-0.000 χ^2/NDF: 111.2/98



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: 11072855.4/27

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

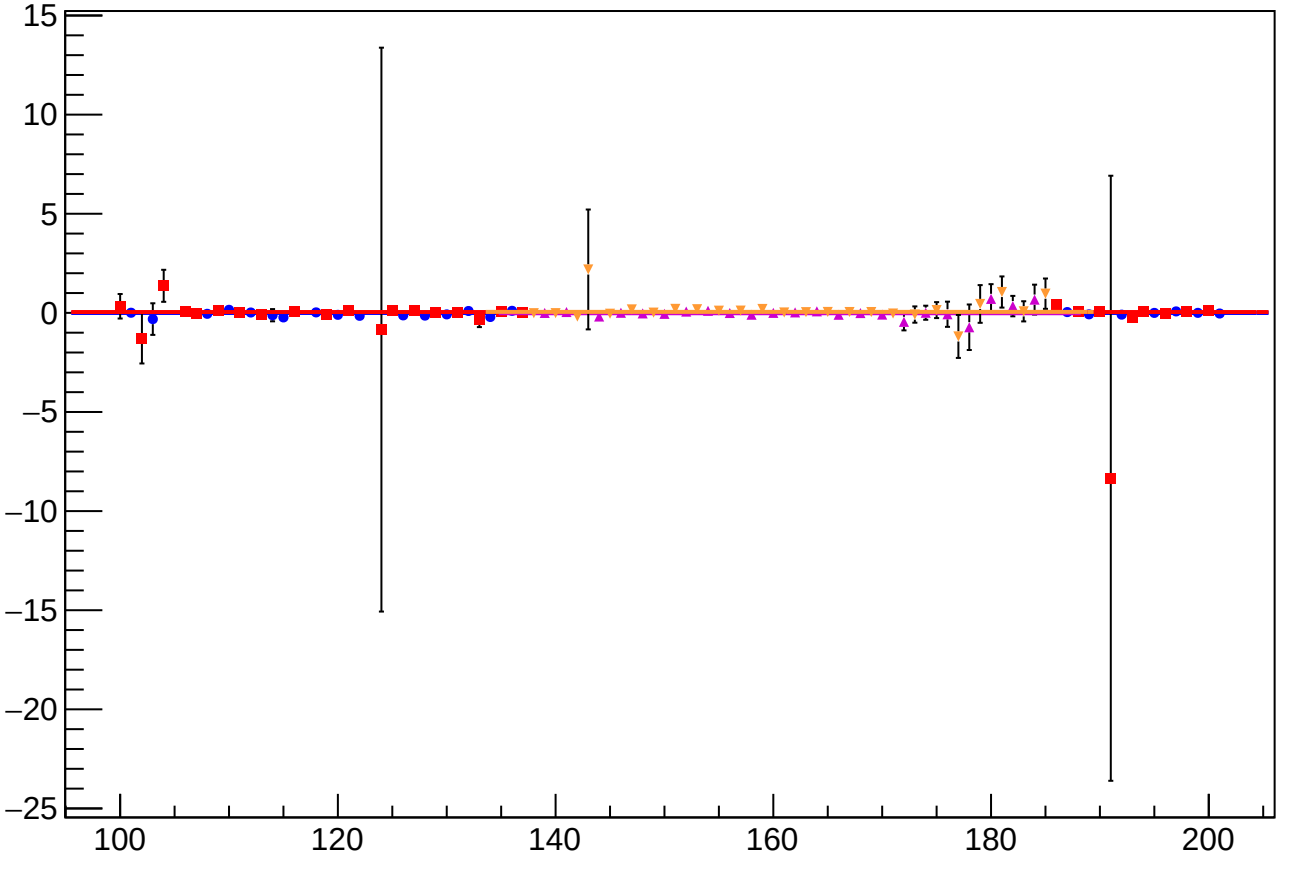
Right: 0.004+/-0.000 χ^2/NDF: 20178773.1/50

In: 0.004+/-0.000 χ^2/NDF:22148375.5/45

Out: 0.004+/-0.000 χ^2/NDF:25561909.2/52

All: 0.004+/-0.000 χ^2/NDF: 47710359.9/98

asym_at2_dd_eigen_dit_vs_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: 0.042+/-0.021 χ^2/NDF: 22.9/27

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

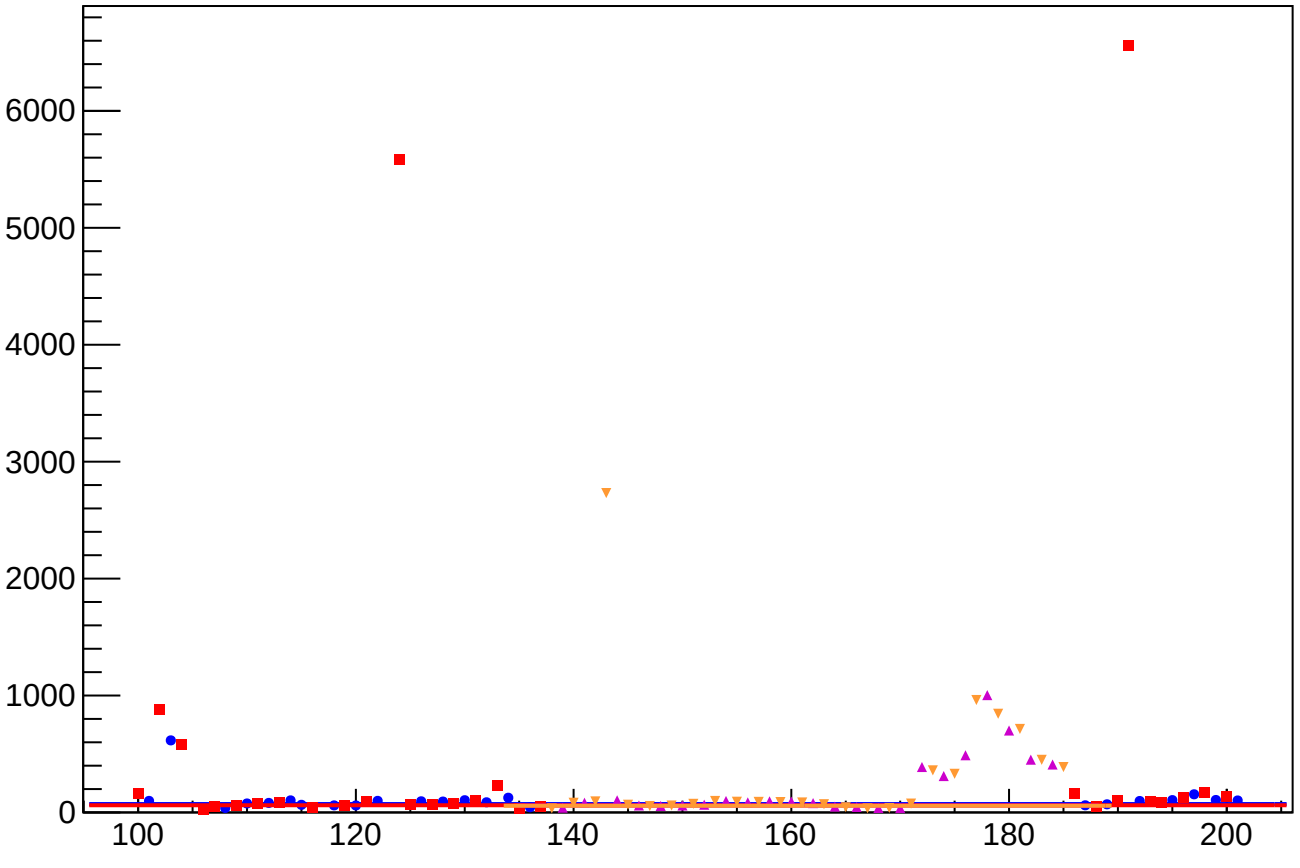
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 40.0/50

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 88.1/98



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: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

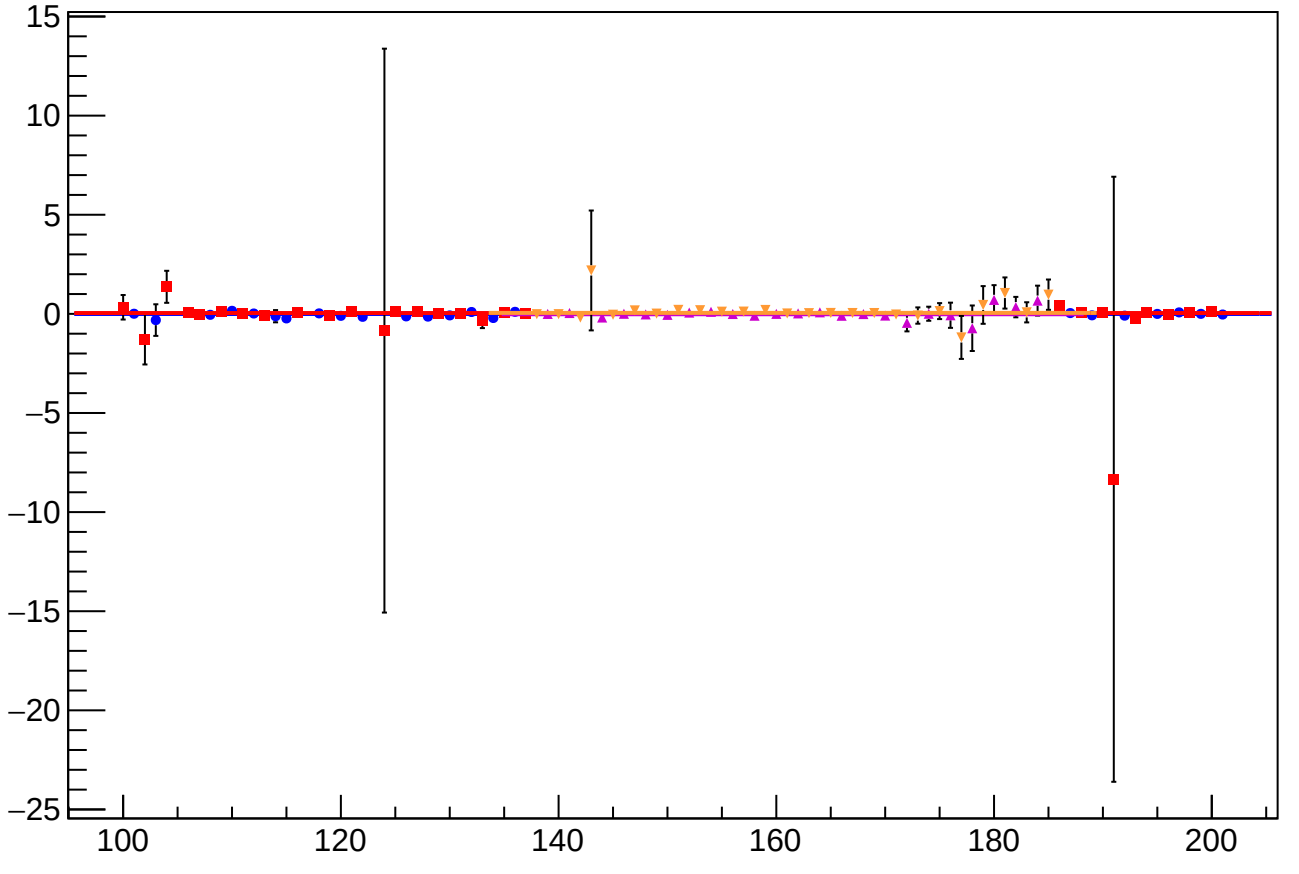
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 66.172+/-0.011 χ^2/NDF: 10658298.1/50

In: 63.246+/-0.010 χ^2/NDF:14347120.3/45

Out: 59.005+/-0.009 χ^2/NDF:19139500.9/52

All: 61.027+/-0.007 χ^2/NDF: 33585389.0/98



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: 0.042+/-0.021 χ^2/NDF: 22.9/27

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

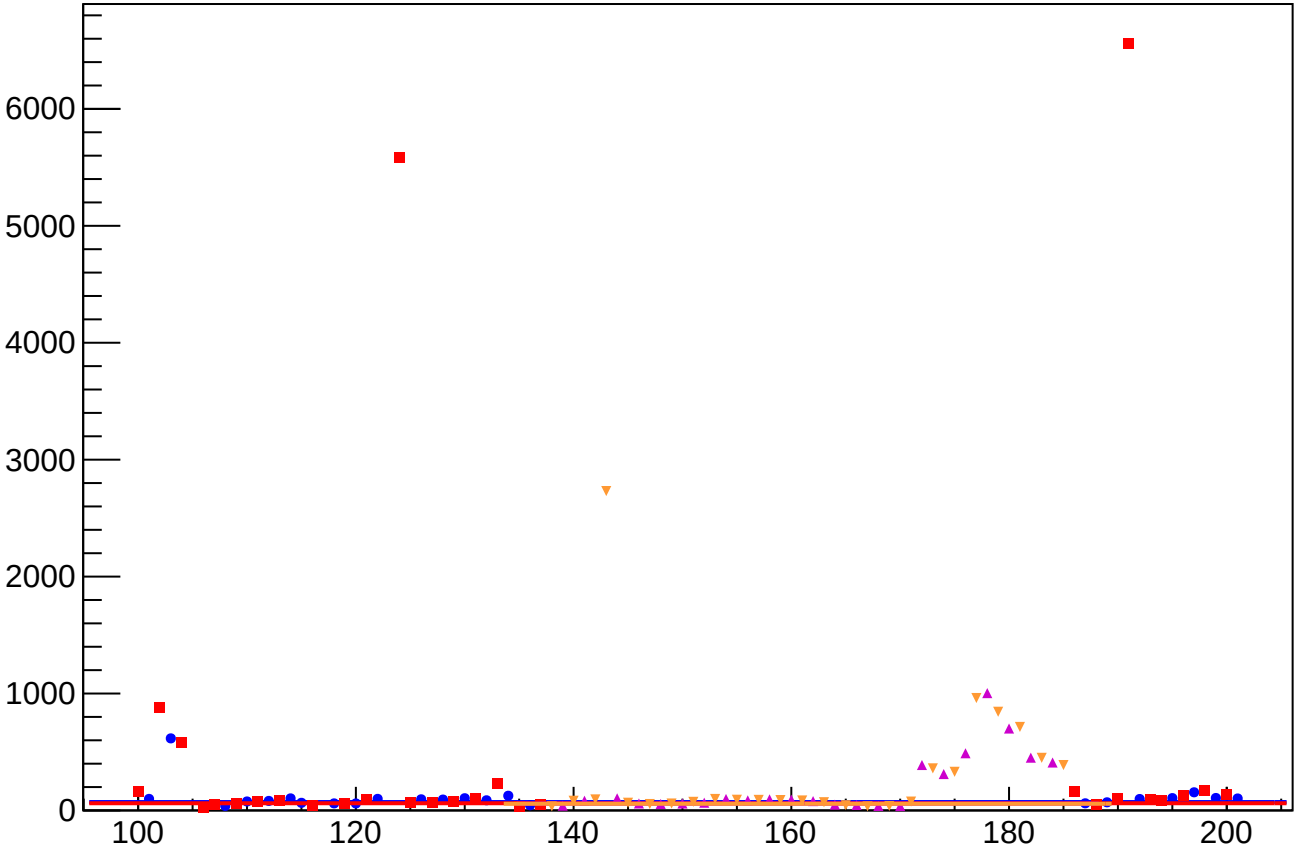
Right: 0.021+/-0.016 χ^2/NDF: 40.0/50

In: -0.014+/-0.014 χ^2/NDF:30.5/45

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 88.1/98

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: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

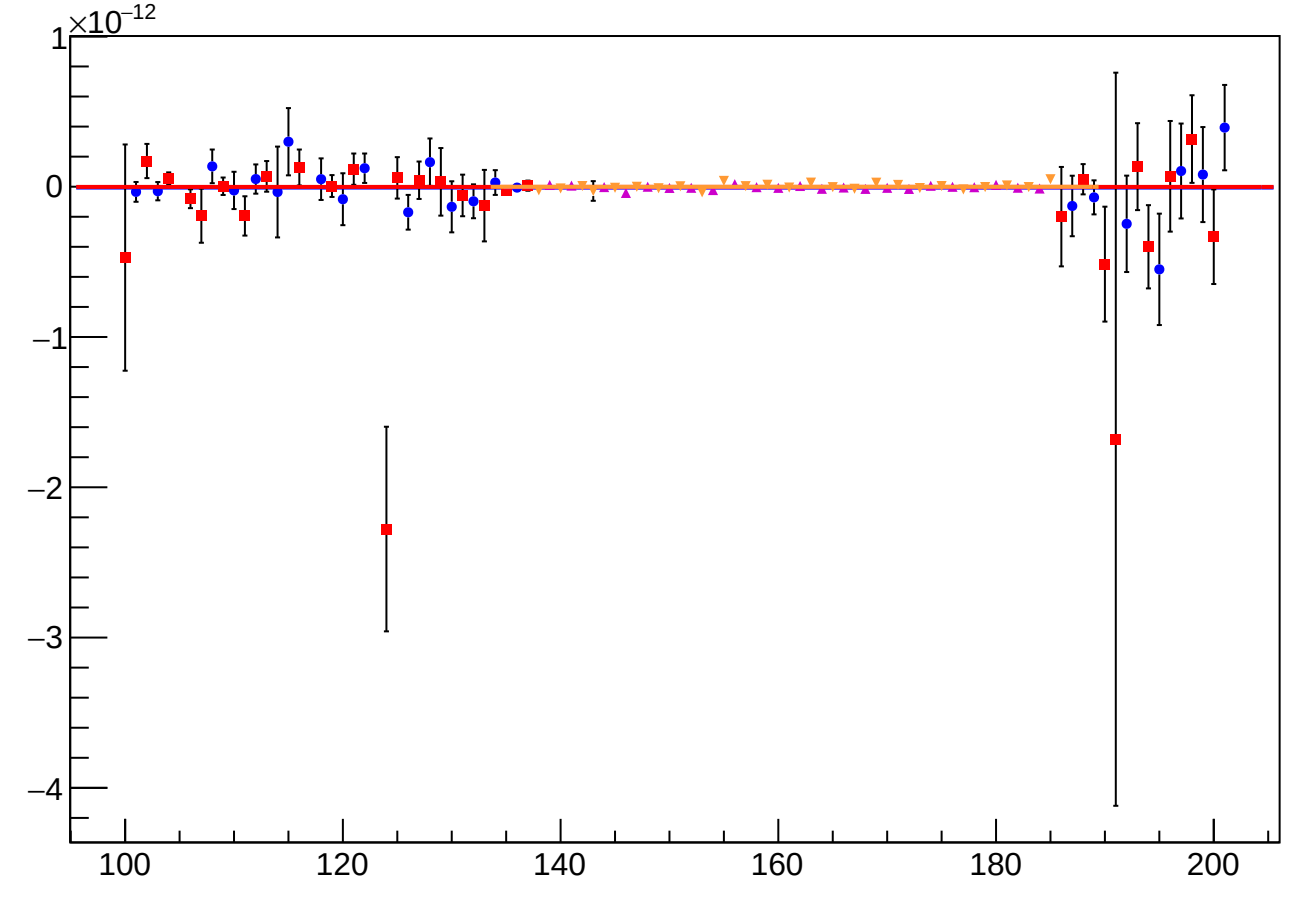
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 66.172+/-0.011 χ^2/NDF: 10658298.1/50

In: 63.246+/-0.010 χ^2/NDF:14347120.3/45

Out: 59.005+/-0.009 χ^2/NDF:19139500.9/52

All: 61.027+/-0.007 χ^2/NDF: 33585389.0/98



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: 32.6/27

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

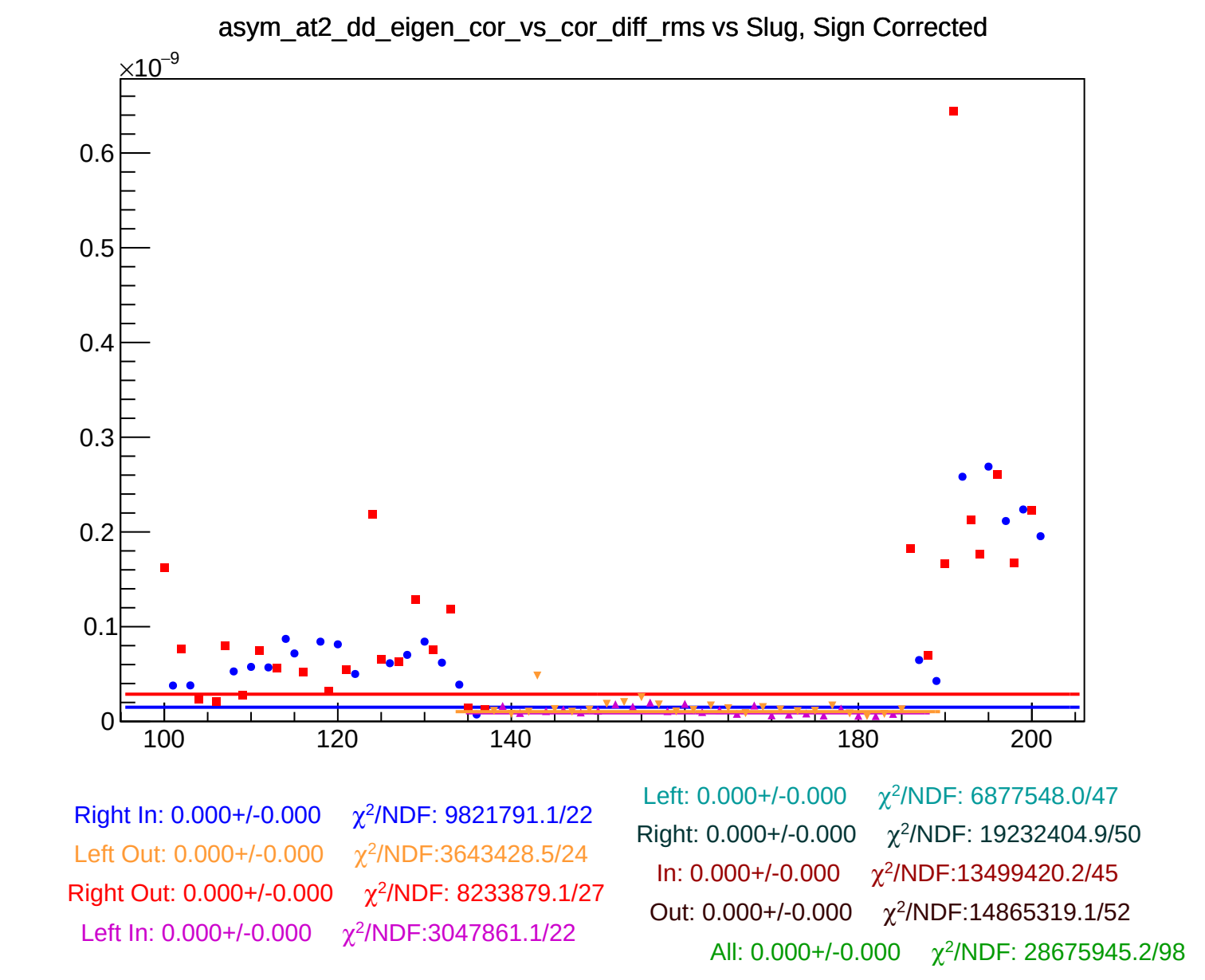
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

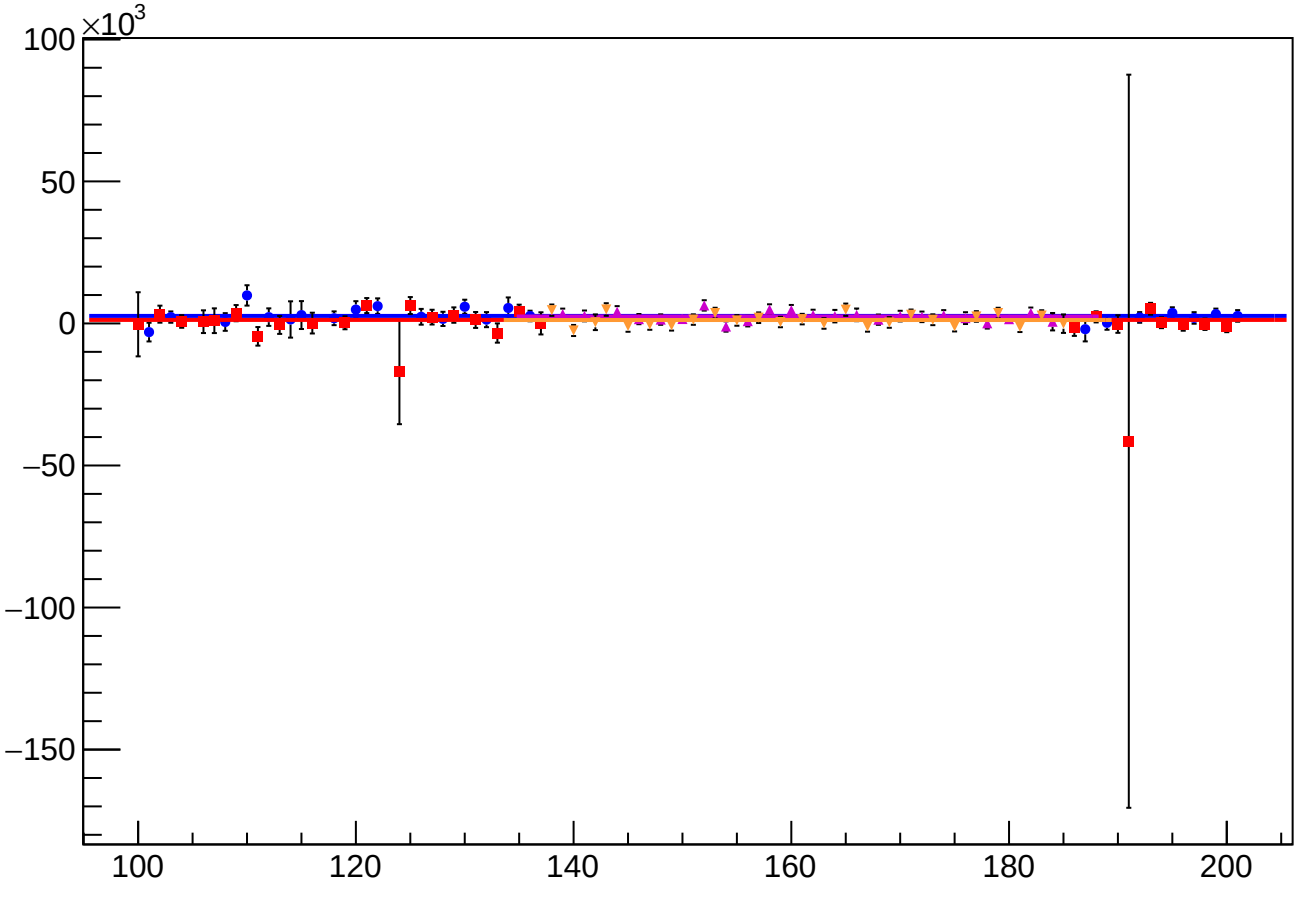
Right: -0.000+/-0.000 χ^2/NDF: 49.1/50

In: -0.000+/-0.000 χ^2/NDF:31.9/45

Out: -0.000+/-0.000 χ^2/NDF:51.4/52

All: -0.000+/-0.000 χ^2/NDF: 83.7/98


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9821791.1/22
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8233879.1/27
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
Left: 0.000+/-0.000 χ²/NDF: 6877548.0/47
Right: 0.000+/-0.000 χ²/NDF: 19232404.9/50
In: 0.000+/-0.000 χ²/NDF:13499420.2/45
Out: 0.000+/-0.000 χ²/NDF:14865319.1/52
All: 0.000+/-0.000 χ²/NDF: 28675945.2/98



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: 1237.515+/-518.087 χ^2/NDF: 24.2/27

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

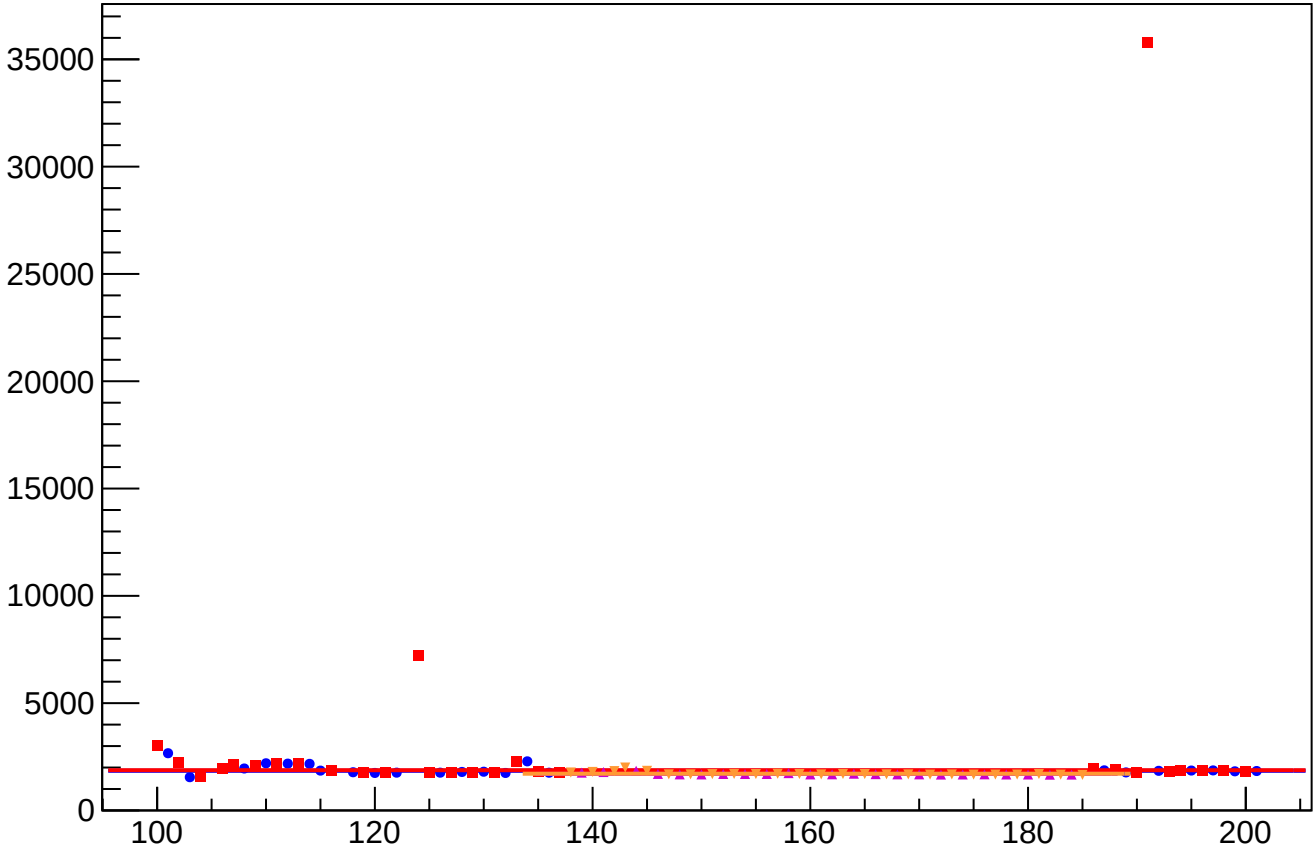
Right: 1928.827+/-369.952 χ^2/NDF: 43.2/50

In: 2514.664+/-317.903 χ^2/NDF:33.0/45

Out: 1215.066+/-311.145 χ^2/NDF:50.5/52

All: 1850.904+/-222.363 χ^2/NDF: 92.0/98

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: 1875.672+/-0.366 χ^2/NDF: 518063.5/27

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

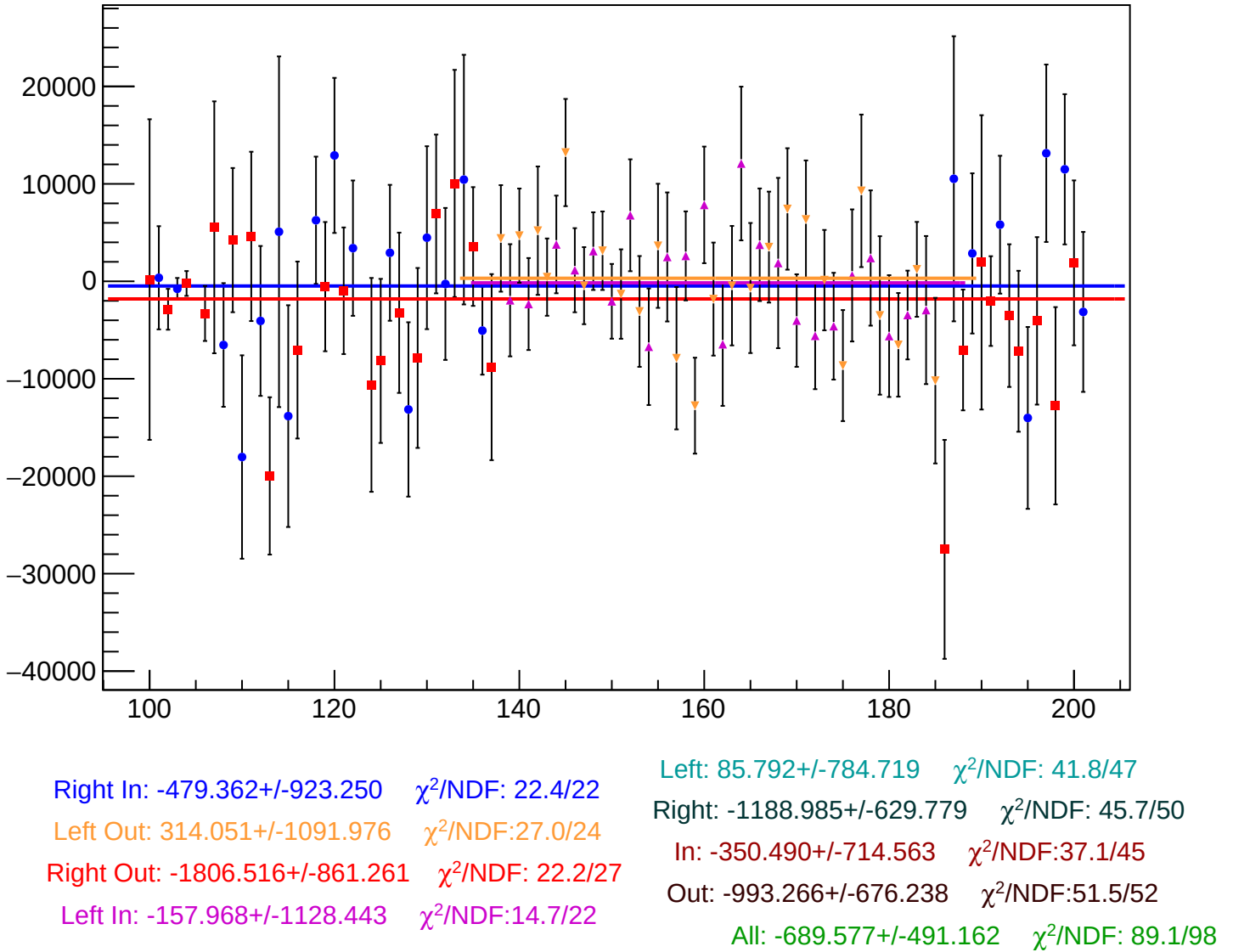
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

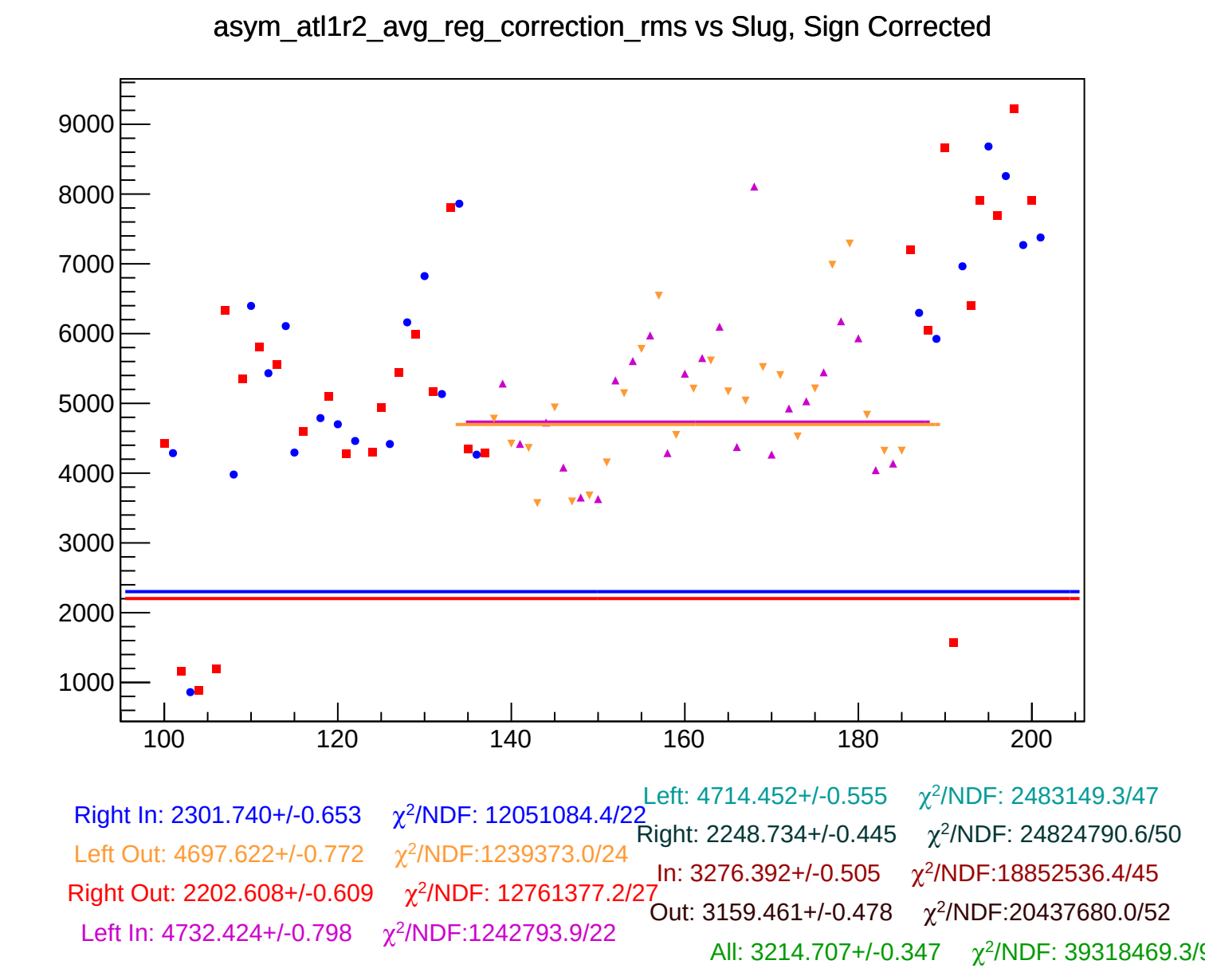
Right: 1862.080+/-0.261 χ^2/NDF: 786923.8/50

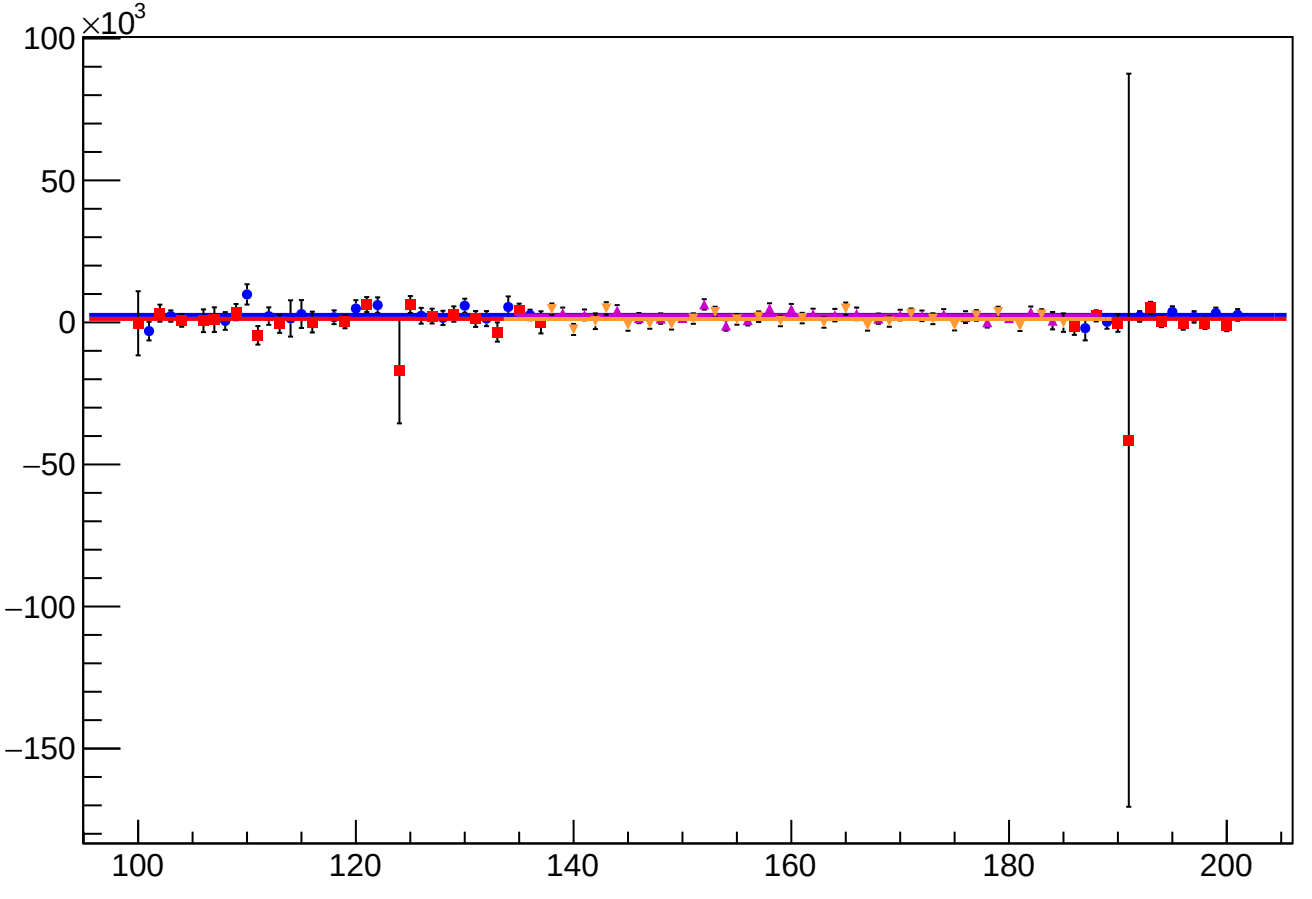
In: 1756.059+/-0.225 χ^2/NDF:383287.4/45

Out: 1770.984+/-0.220 χ^2/NDF:706297.8/52

All: 1763.685+/-0.157 χ^2/NDF: 1091838.0/98


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -479.362+/-923.250 χ²/NDF: 22.4/22
Left Out: 314.051+/-1091.976 χ²/NDF:27.0/24
Right Out: -1806.516+/-861.261 χ²/NDF: 22.2/27
Left In: -157.968+/-1128.443 χ²/NDF:14.7/22
Left: 85.792+/-784.719 χ²/NDF: 41.8/47
Right: -1188.985+/-629.779 χ²/NDF: 45.7/50
In: -350.490+/-714.563 χ²/NDF:37.1/45
Out: -993.266+/-676.238 χ²/NDF:51.5/52
All: -689.577+/-491.162 χ²/NDF: 89.1/98


asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2301.740+/-0.653 χ²/NDF: 12051084.4/22
Left Out: 4697.622+/-0.772 χ²/NDF:1239373.0/24
Right Out: 2202.608+/-0.609 χ²/NDF: 12761377.2/27
Left In: 4732.424+/-0.798 χ²/NDF:1242793.9/22
Left: 4714.452+/-0.555 χ²/NDF: 2483149.3/47
Right: 2248.734+/-0.445 χ²/NDF: 24824790.6/50
In: 3276.392+/-0.505 χ²/NDF:18852536.4/45
Out: 3159.461+/-0.478 χ²/NDF:20437680.0/52
All: 3214.707+/-0.347 χ²/NDF: 39318469.3/9



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: 1236.820+/-518.088 χ^2/NDF: 24.2/27

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

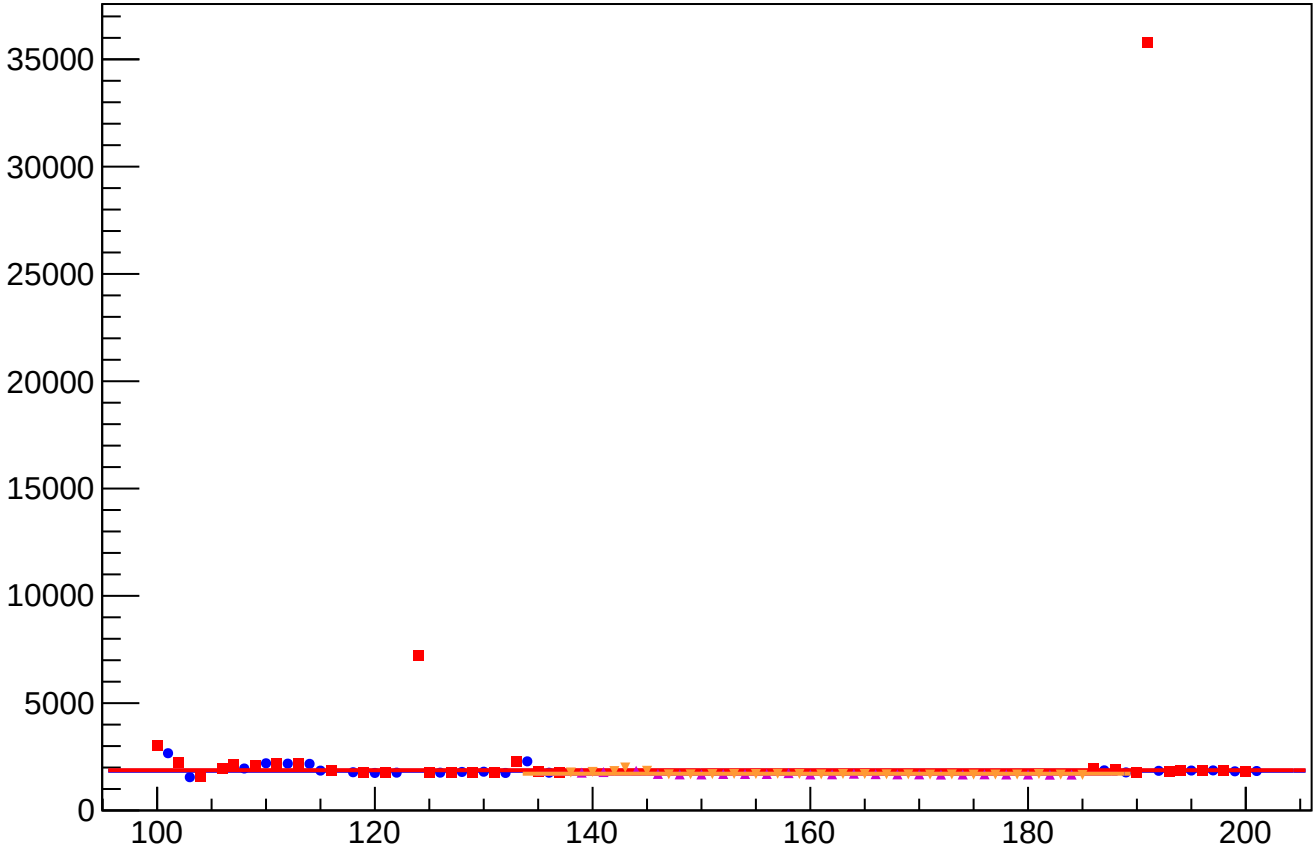
Right: 1928.559+/-369.952 χ^2/NDF: 43.2/50

In: 2514.685+/-317.903 χ^2/NDF:33.0/45

Out: 1214.753+/-311.145 χ^2/NDF:50.5/52

All: 1850.755+/-222.363 χ^2/NDF: 92.0/98

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: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

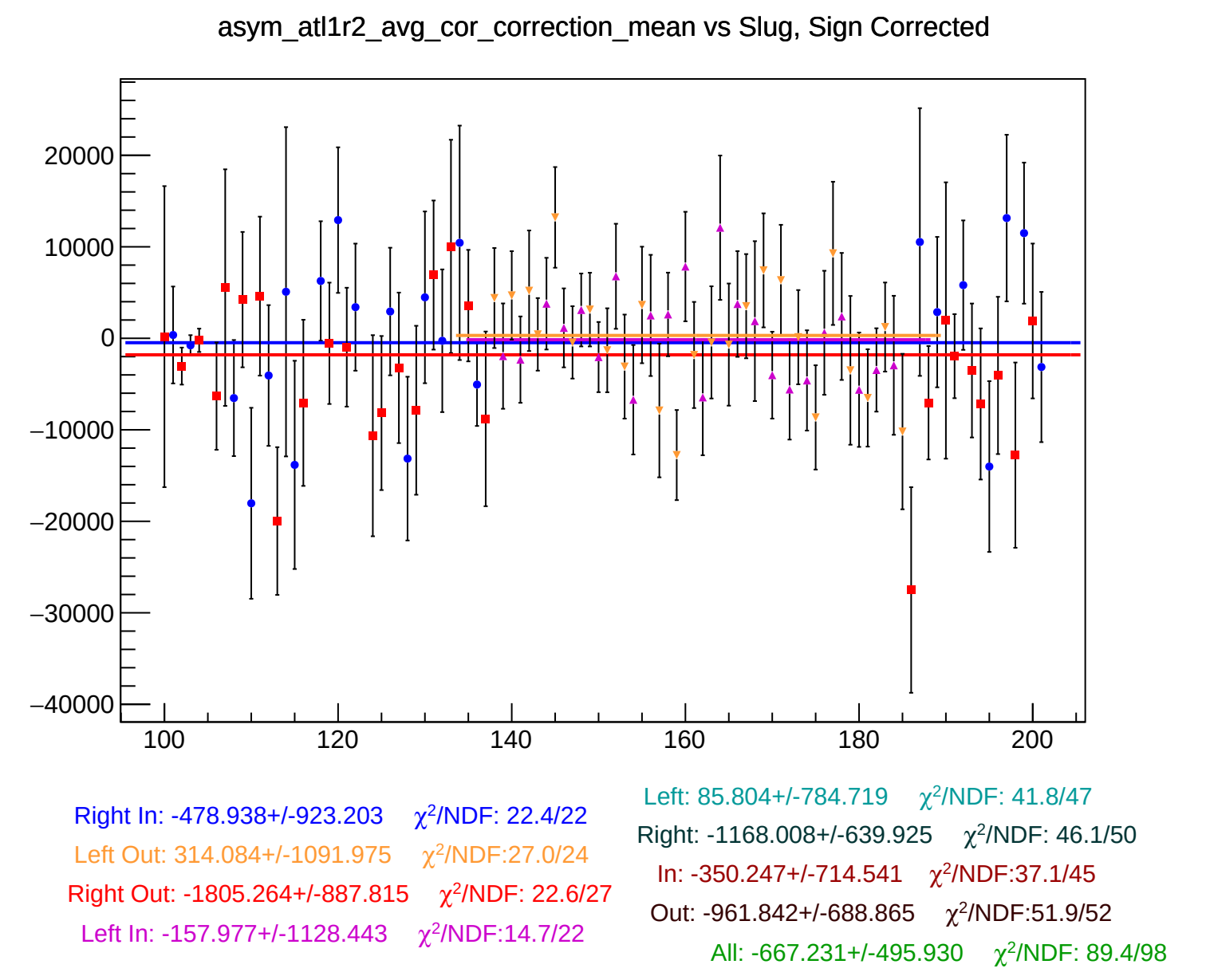
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

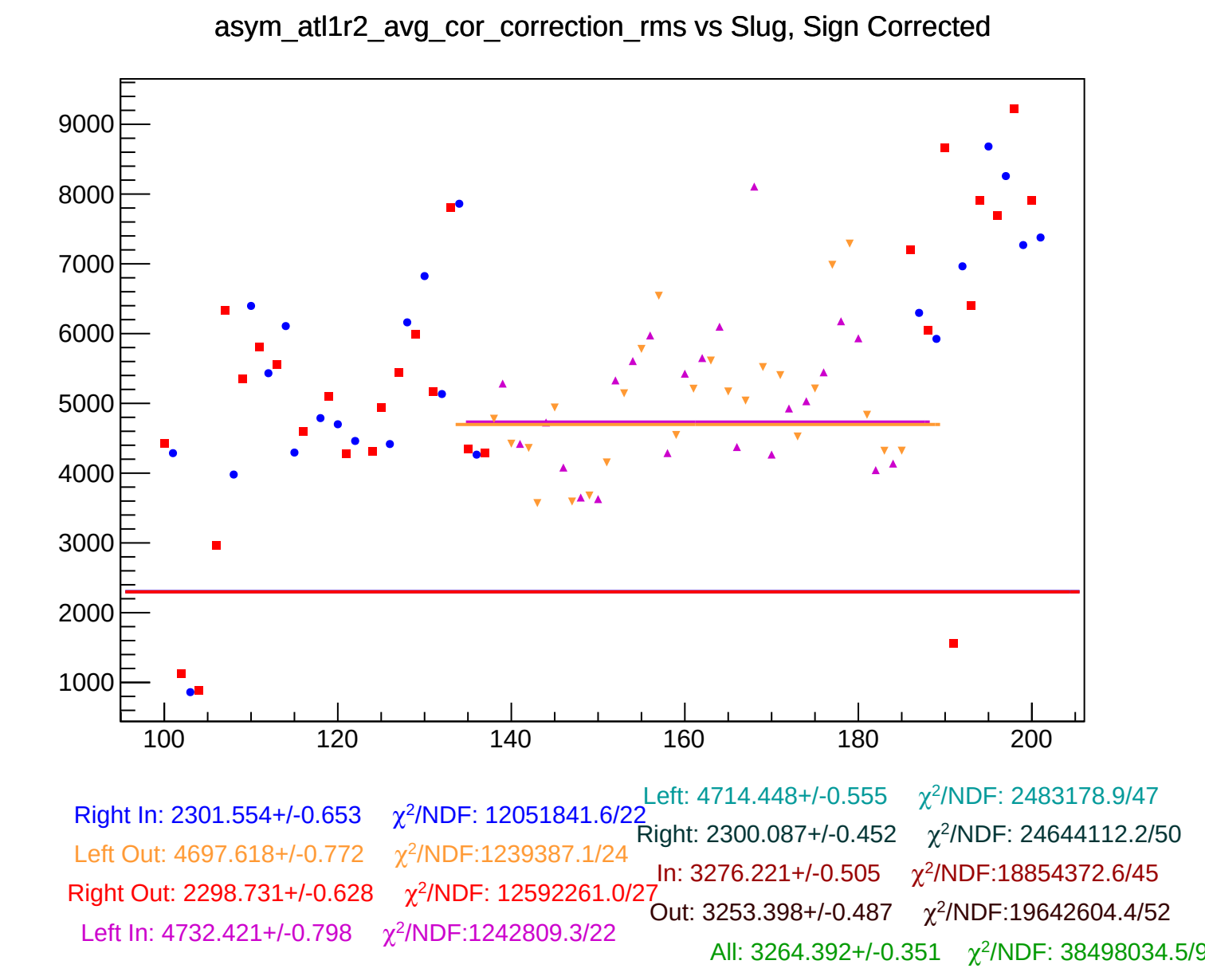
Right: 1862.202+/-0.261 χ^2/NDF: 787272.6/50

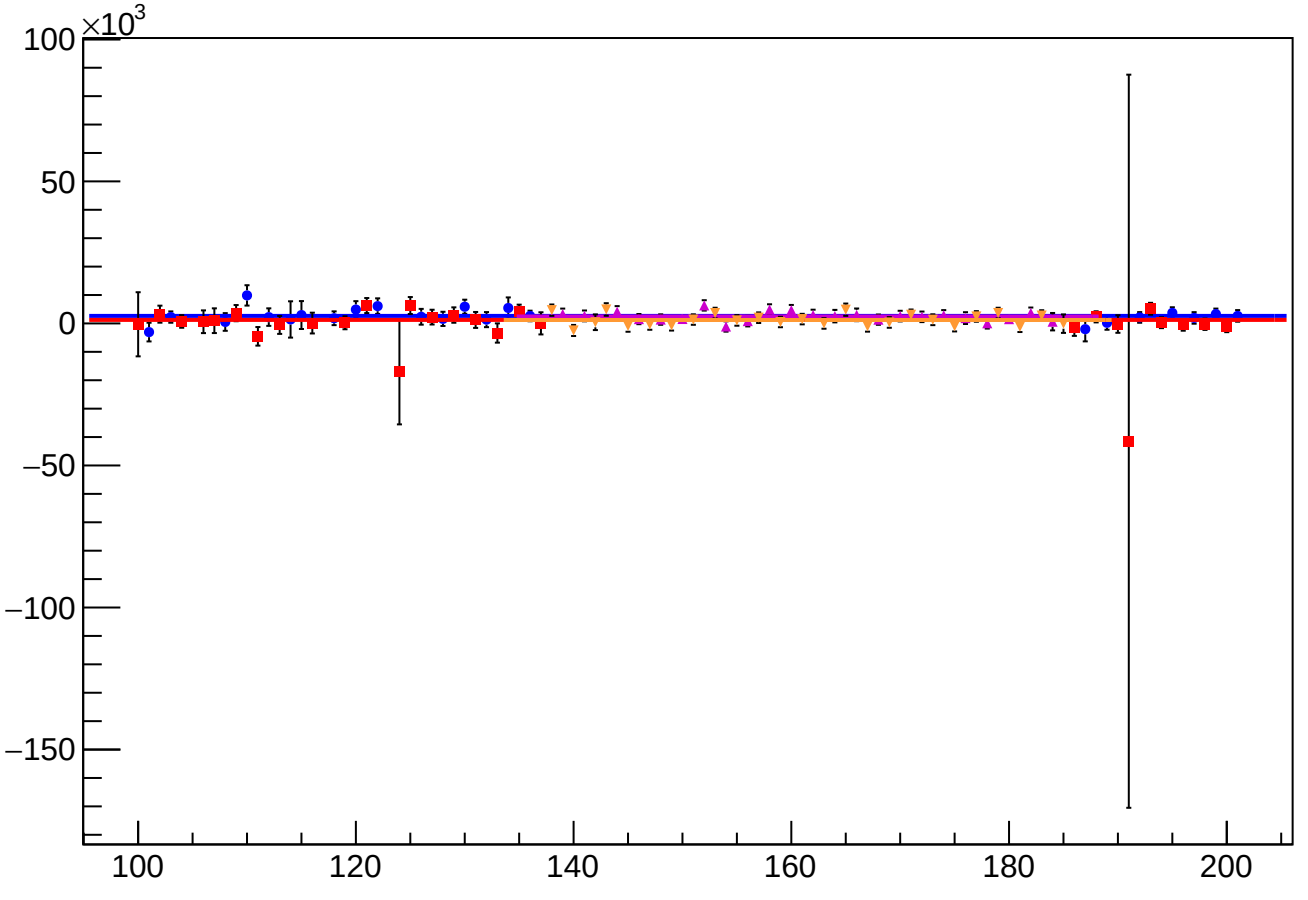
In: 1756.059+/-0.225 χ^2/NDF:383287.3/45

Out: 1771.063+/-0.220 χ^2/NDF:706957.5/52

All: 1763.725+/-0.157 χ^2/NDF: 1092521.3/98


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -478.938+/-923.203 χ²/NDF: 22.4/22
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1805.264+/-887.815 χ²/NDF: 22.6/27
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1168.008+/-639.925 χ²/NDF: 46.1/50
In: -350.247+/-714.541 χ²/NDF:37.1/45
Out: -961.842+/-688.865 χ²/NDF:51.9/52
All: -667.231+/-495.930 χ²/NDF: 89.4/98


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: 2298.731+/-0.628 χ²/NDF: 12592261.0/27
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2300.087+/-0.452 χ²/NDF: 24644112.2/50
In: 3276.221+/-0.505 χ²/NDF:18854372.6/45
Out: 3253.398+/-0.487 χ²/NDF:19642604.4/52
All: 3264.392+/-0.351 χ²/NDF: 38498034.5/9



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: 1236.820+/-518.088 χ^2/NDF: 24.2/27

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

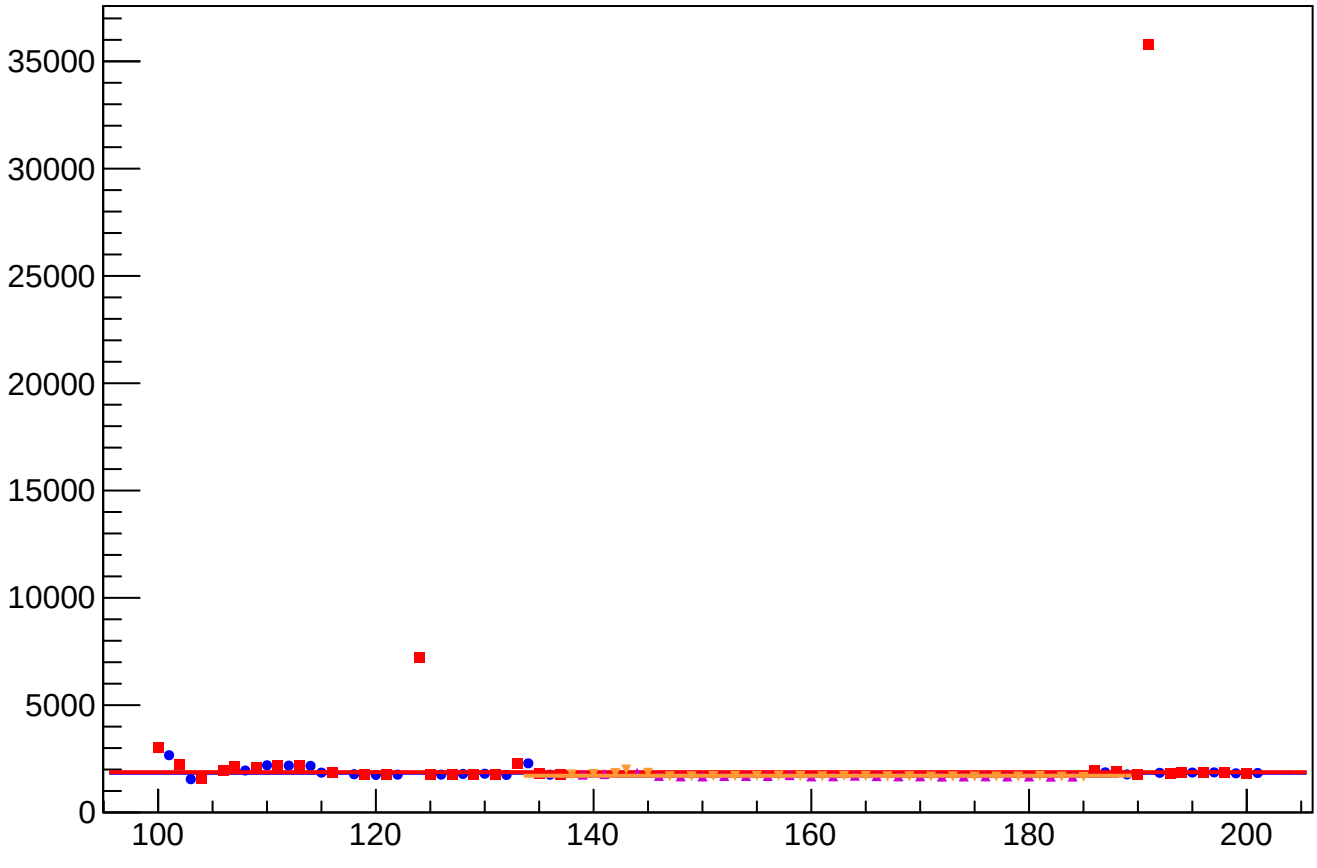
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1928.559+/-369.952 χ^2/NDF: 43.2/50

In: 2514.685+/-317.903 χ^2/NDF:33.0/45

Out: 1214.753+/-311.145 χ^2/NDF:50.5/52

All: 1850.755+/-222.363 χ^2/NDF: 92.0/98



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: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

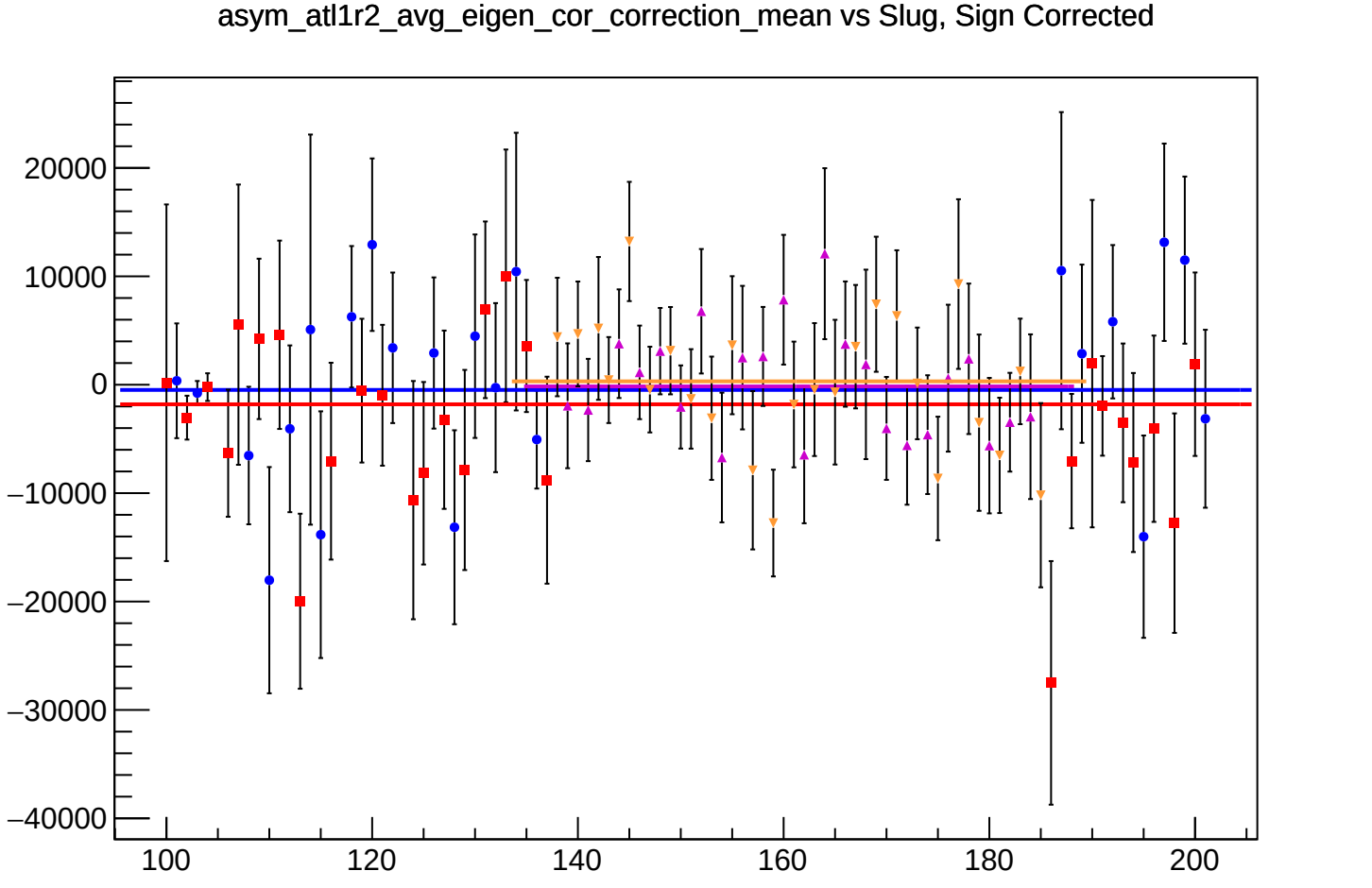
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1862.202+/-0.261 χ^2/NDF: 787272.6/50

In: 1756.059+/-0.225 χ^2/NDF:383287.3/45

Out: 1771.063+/-0.220 χ^2/NDF:706957.5/52

All: 1763.725+/-0.157 χ^2/NDF: 1092521.3/98



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: -1805.264+/-887.815 χ^2/NDF: 22.6/27

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

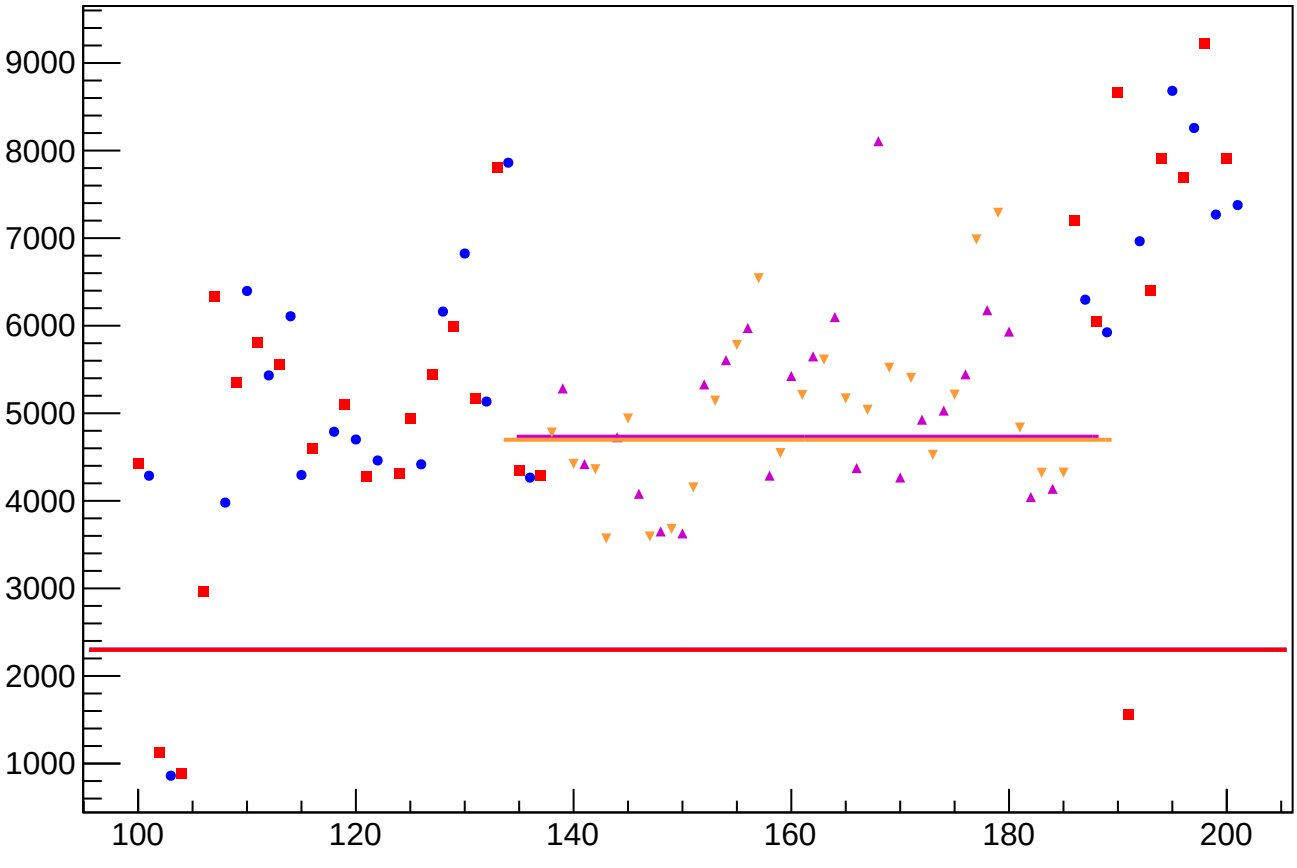
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1168.008+/-639.925 χ^2/NDF: 46.1/50

In: -350.247+/-714.541 χ^2/NDF:37.1/45

Out: -961.842+/-688.865 χ^2/NDF:51.9/52

All: -667.231+/-495.930 χ^2/NDF: 89.4/98



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: 2298.731+/-0.628 χ^2/NDF: 12592261.0/27

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

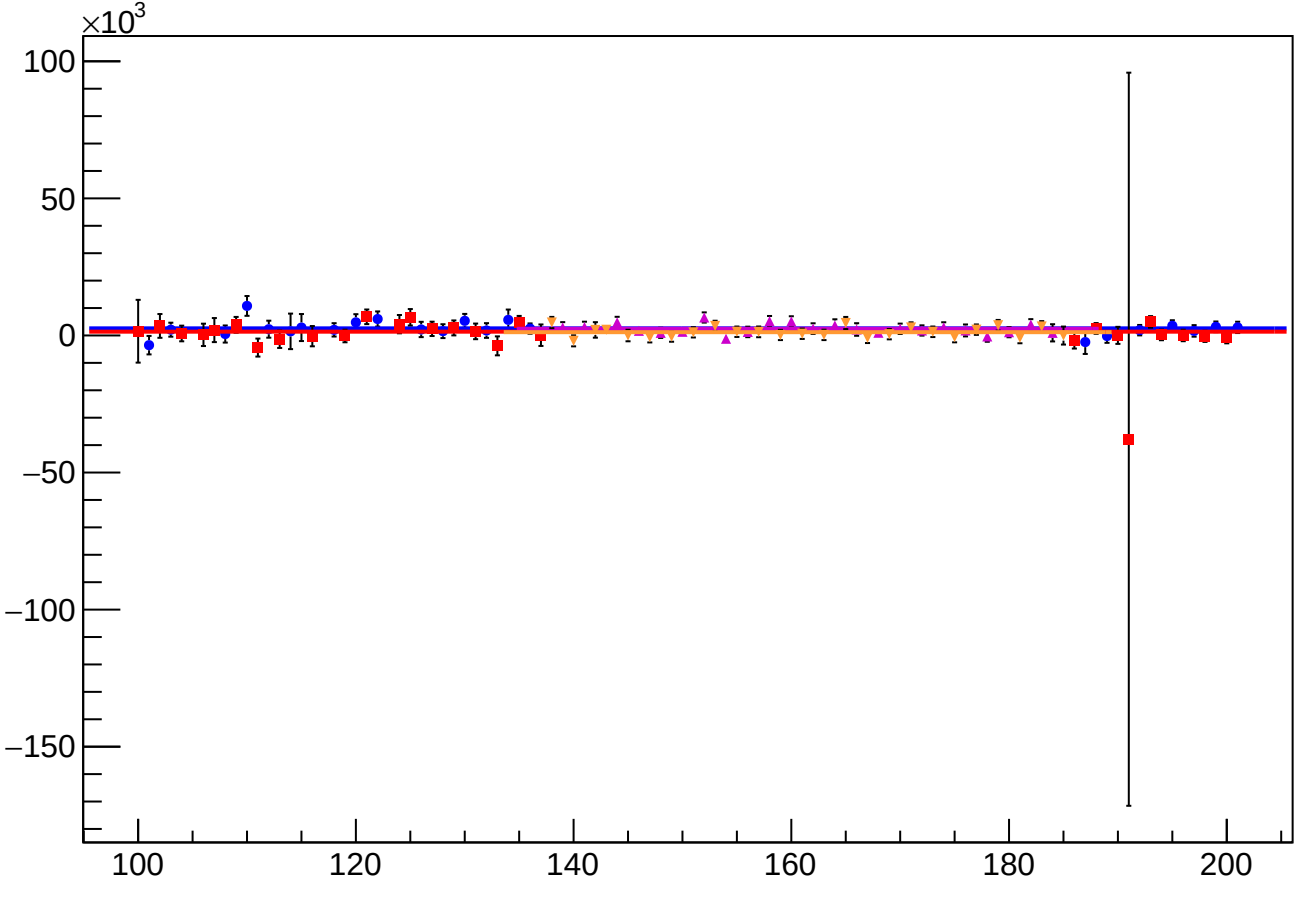
Right: 2300.087+/-0.452 χ^2/NDF: 24644112.2/50

In: 3276.221+/-0.505 χ^2/NDF:18854372.6/45

Out: 3253.398+/-0.487 χ^2/NDF:19642604.4/52

All: 3264.392+/-0.351 χ^2/NDF: 38498034.5/9

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 1380.408+/-526.893 χ^2/NDF: 25.3/27

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

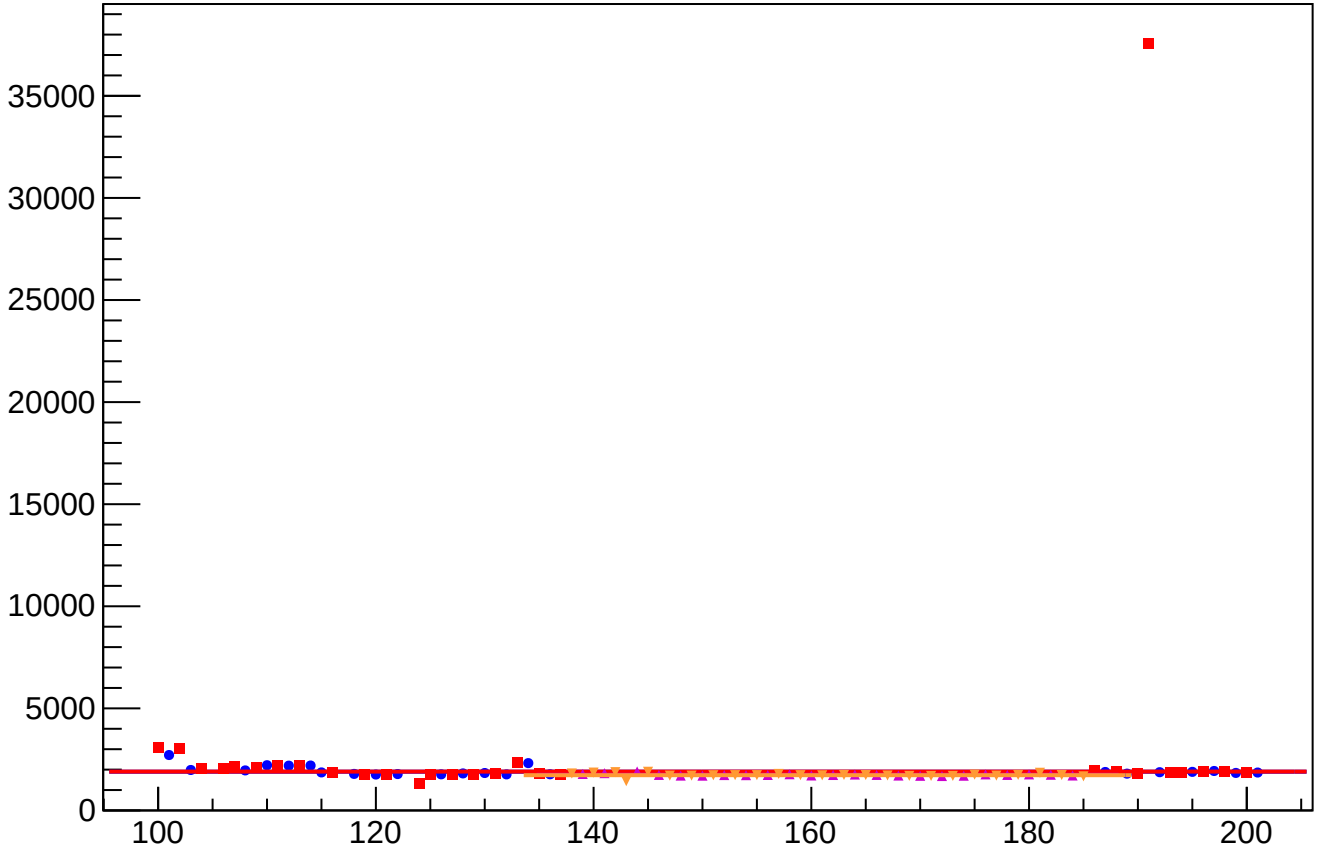
Right: 1968.900+/-377.901 χ^2/NDF: 44.3/50

In: 2493.740+/-325.804 χ^2/NDF:37.1/45

Out: 1262.791+/-315.012 χ^2/NDF:44.8/52

All: 1857.541+/-226.466 χ^2/NDF: 89.3/98

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: 1903.853+/-0.372 χ^2/NDF: 499764.9/27

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

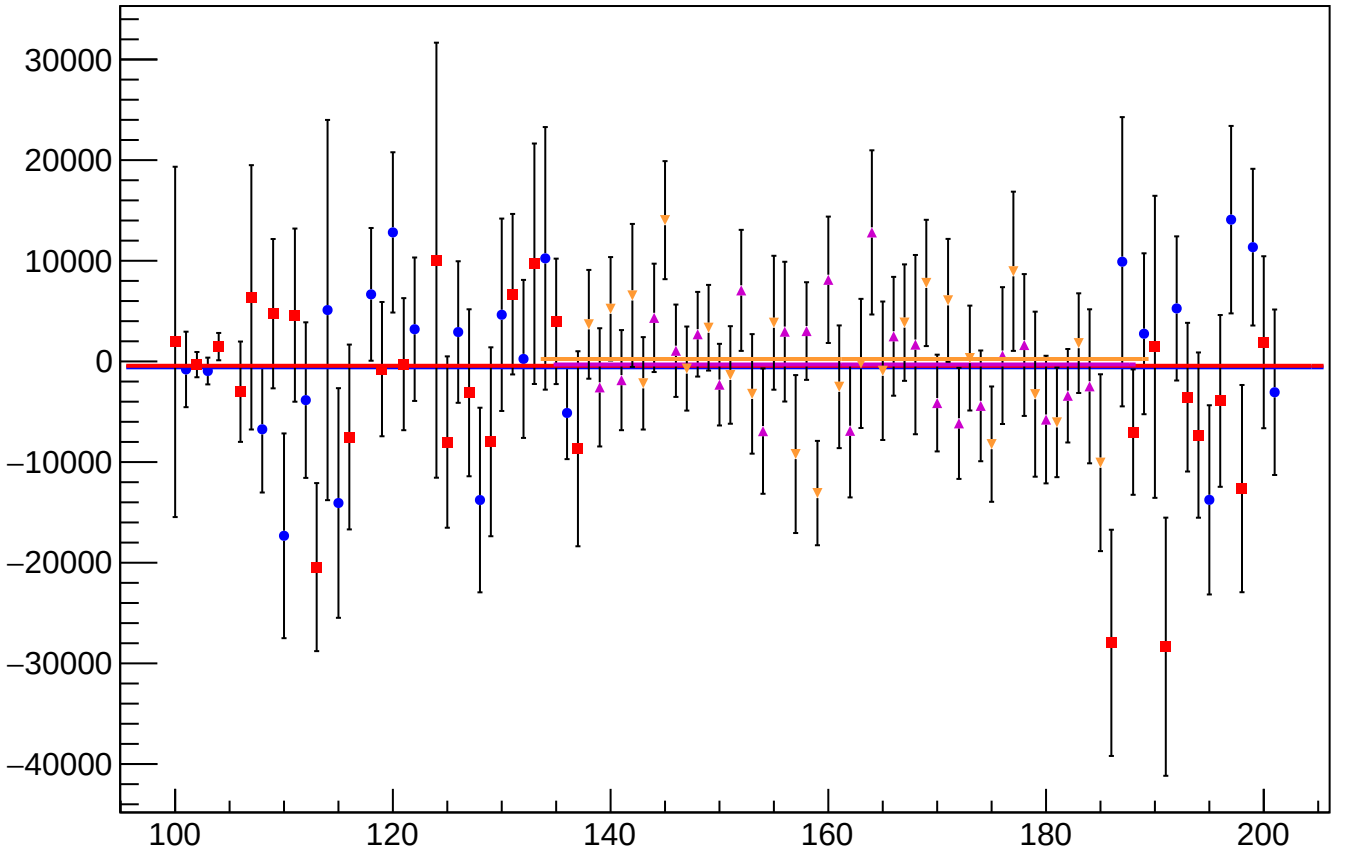
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1900.643+/-0.267 χ^2/NDF: 723627.2/50

In: 1799.713+/-0.230 χ^2/NDF:351720.8/45

Out: 1790.402+/-0.223 χ^2/NDF:754515.7/52

All: 1794.900+/-0.160 χ^2/NDF: 1107081.0/98



Right In: -584.848+/-1018.678 χ^2/NDF: 22.3/22

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -432.681+/-804.191 χ^2/NDF: 28.6/27

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

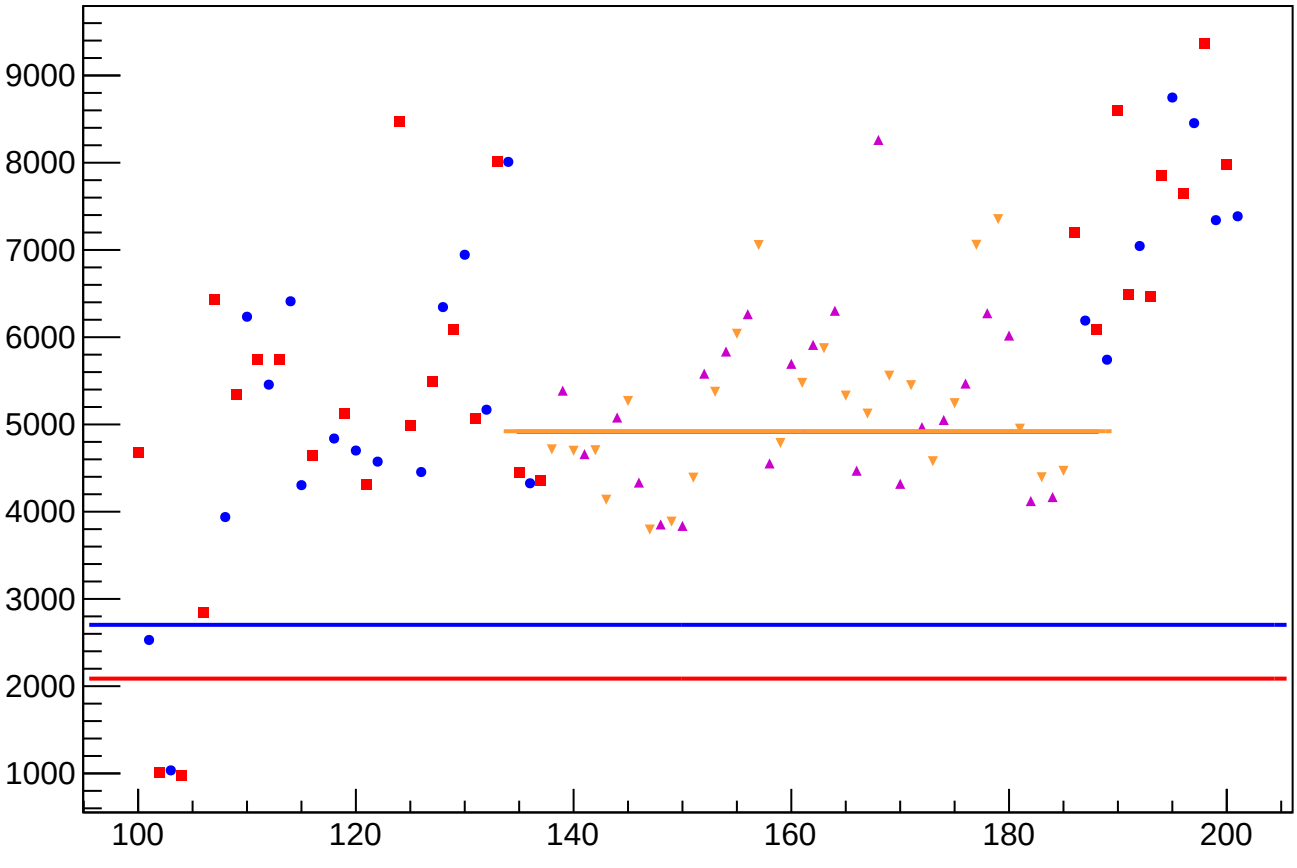
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -491.104+/-631.204 χ^2/NDF: 50.9/50

In: -464.776+/-768.570 χ^2/NDF:36.8/45

Out: -209.039+/-657.322 χ^2/NDF:55.6/52

All: -317.076+/-499.542 χ^2/NDF: 92.4/98



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: 2086.709+/-0.569 χ^2/NDF: 13680907.8/27

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

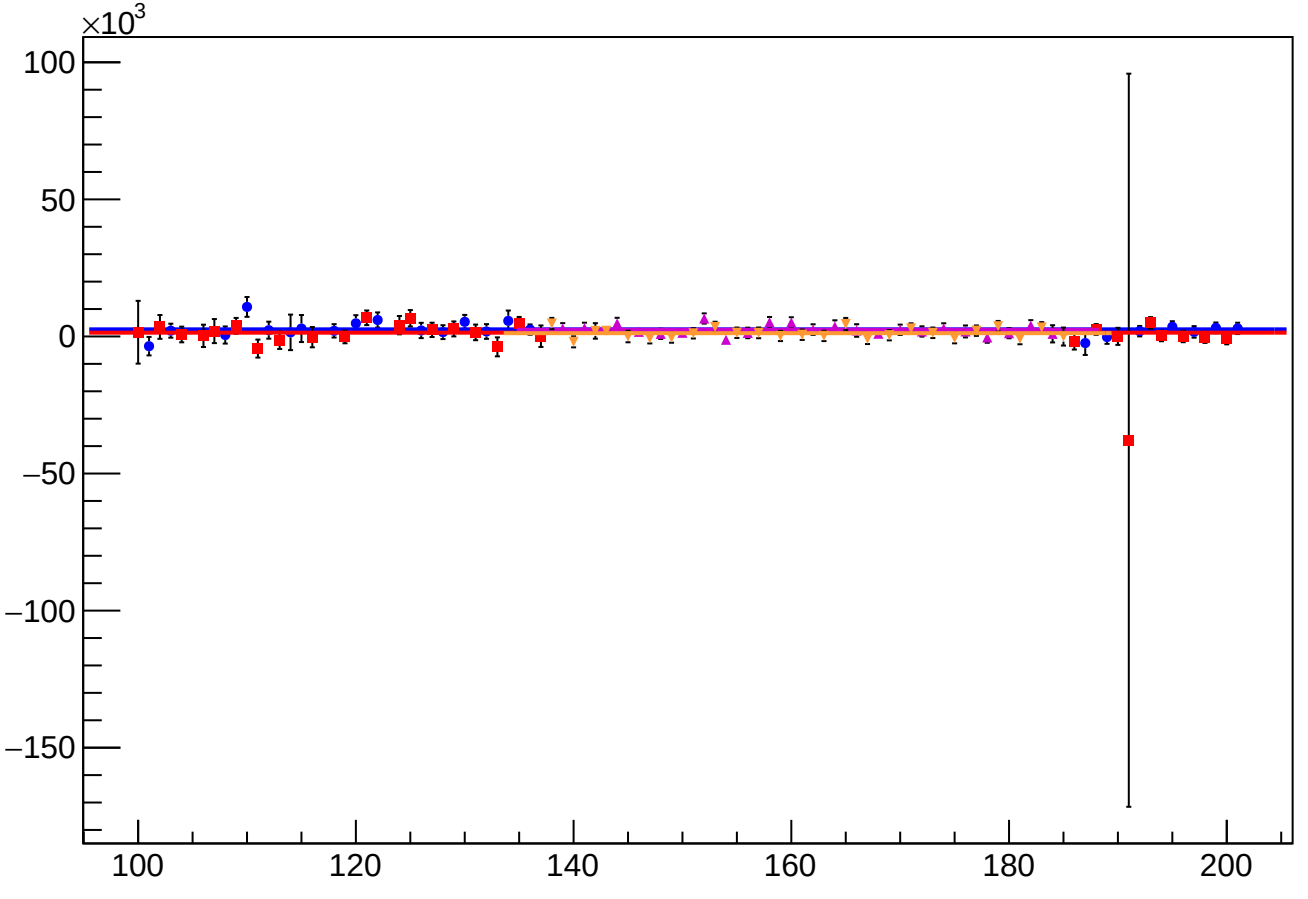
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2323.353+/-0.446 χ^2/NDF: 24146452.5/50

In: 3656.731+/-0.543 χ^2/NDF:15245343.0/45

Out: 3027.884+/-0.465 χ^2/NDF:22984818.2/52

All: 3293.542+/-0.353 χ^2/NDF: 39003449.6/9



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: 1380.410+/-526.893 χ^2/NDF: 25.3/27

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

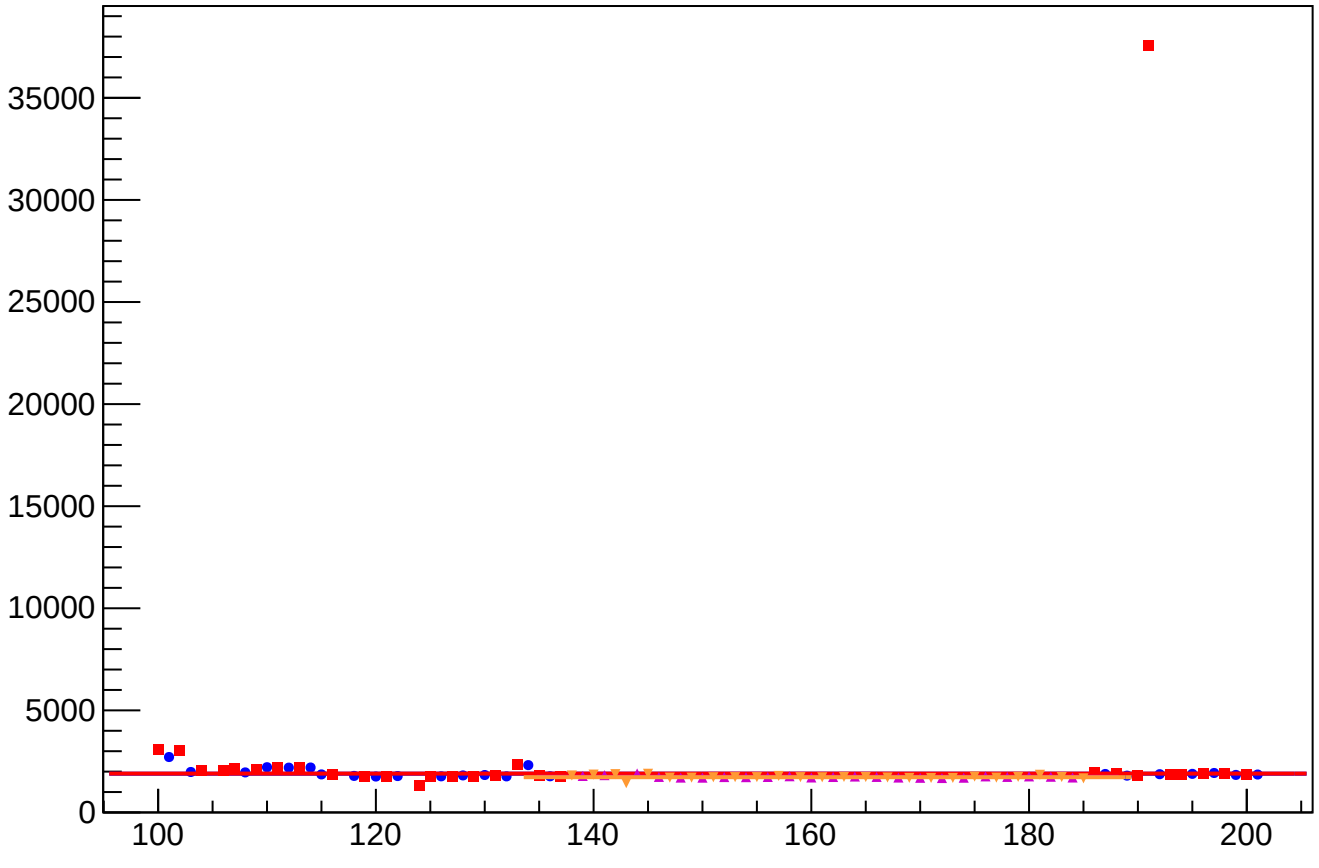
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 1968.901+/-377.901 χ^2/NDF: 44.3/50

In: 2493.740+/-325.804 χ^2/NDF:37.1/45

Out: 1262.788+/-315.012 χ^2/NDF:44.8/52

All: 1857.539+/-226.466 χ^2/NDF: 89.3/98



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: 1903.852+/-0.372 χ^2/NDF: 499763.7/27

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

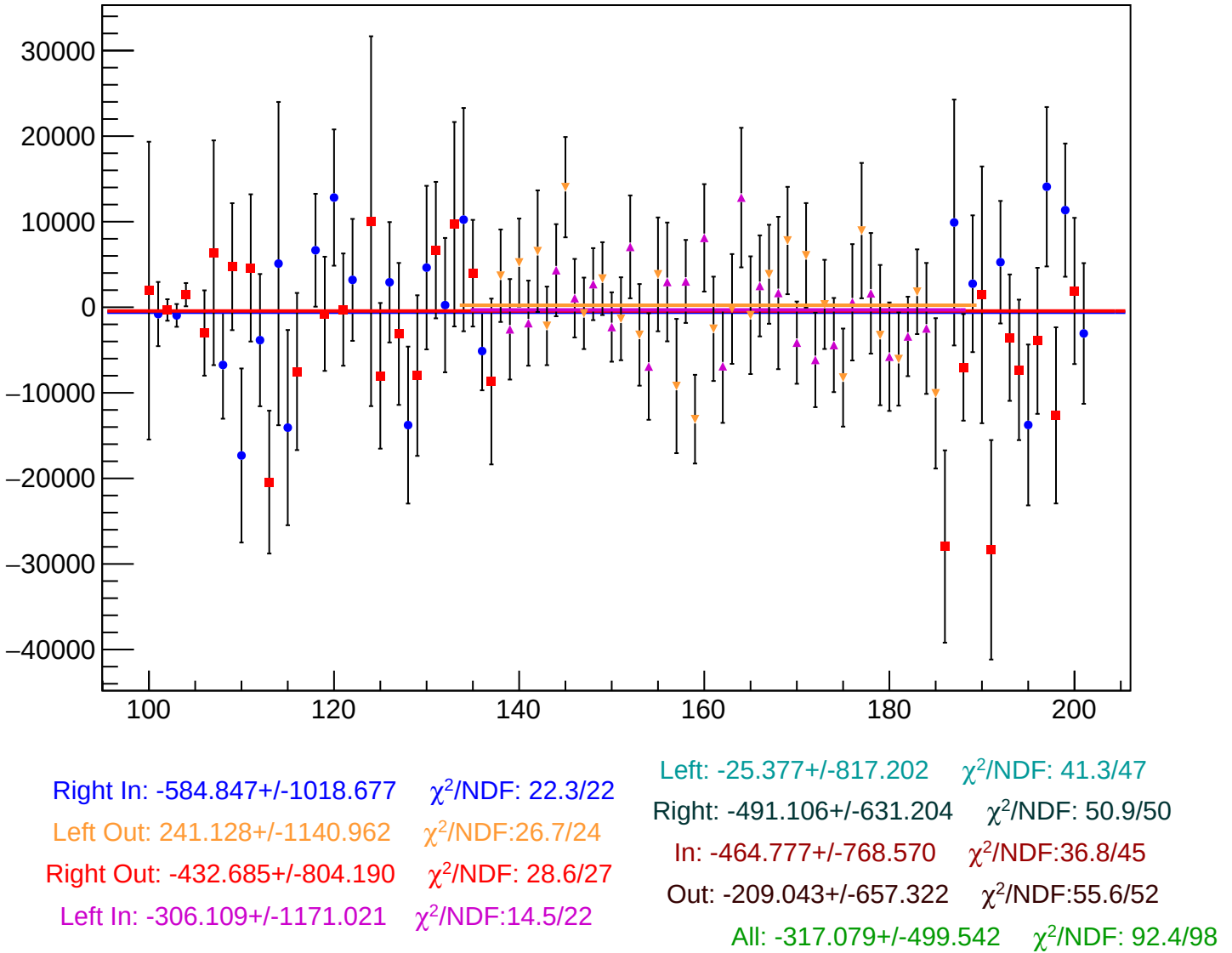
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

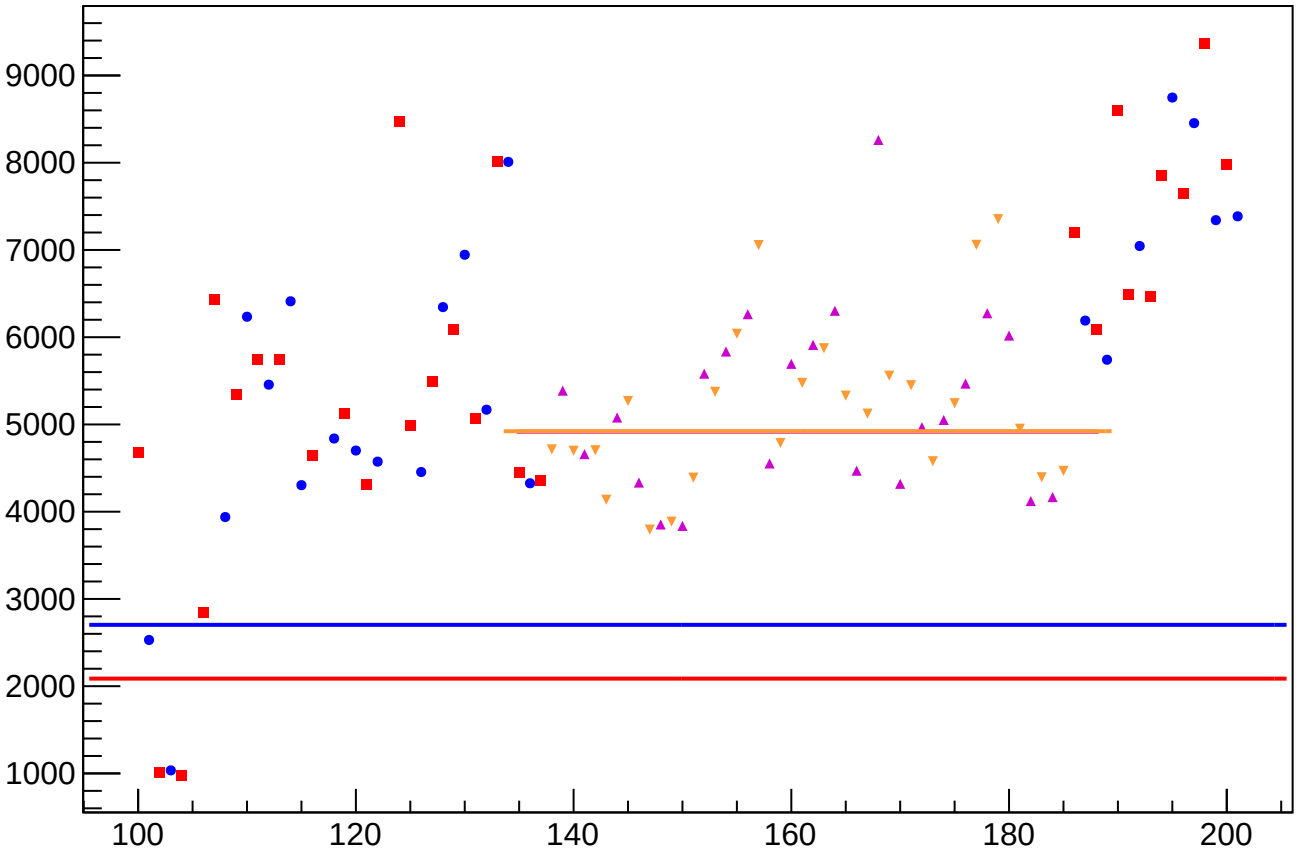
Right: 1900.643+/-0.267 χ^2/NDF: 723626.1/50

In: 1799.714+/-0.230 χ^2/NDF:351719.2/45

Out: 1790.402+/-0.223 χ^2/NDF:754511.9/52

All: 1794.900+/-0.160 χ^2/NDF: 1107075.6/98


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: -432.685+/-804.190 χ²/NDF: 28.6/27
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -491.106+/-631.204 χ²/NDF: 50.9/50
In: -464.777+/-768.570 χ²/NDF:36.8/45
Out: -209.043+/-657.322 χ²/NDF:55.6/52
All: -317.079+/-499.542 χ²/NDF: 92.4/98



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: 2086.708+/-0.569 χ^2/NDF: 13680904.2/27

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

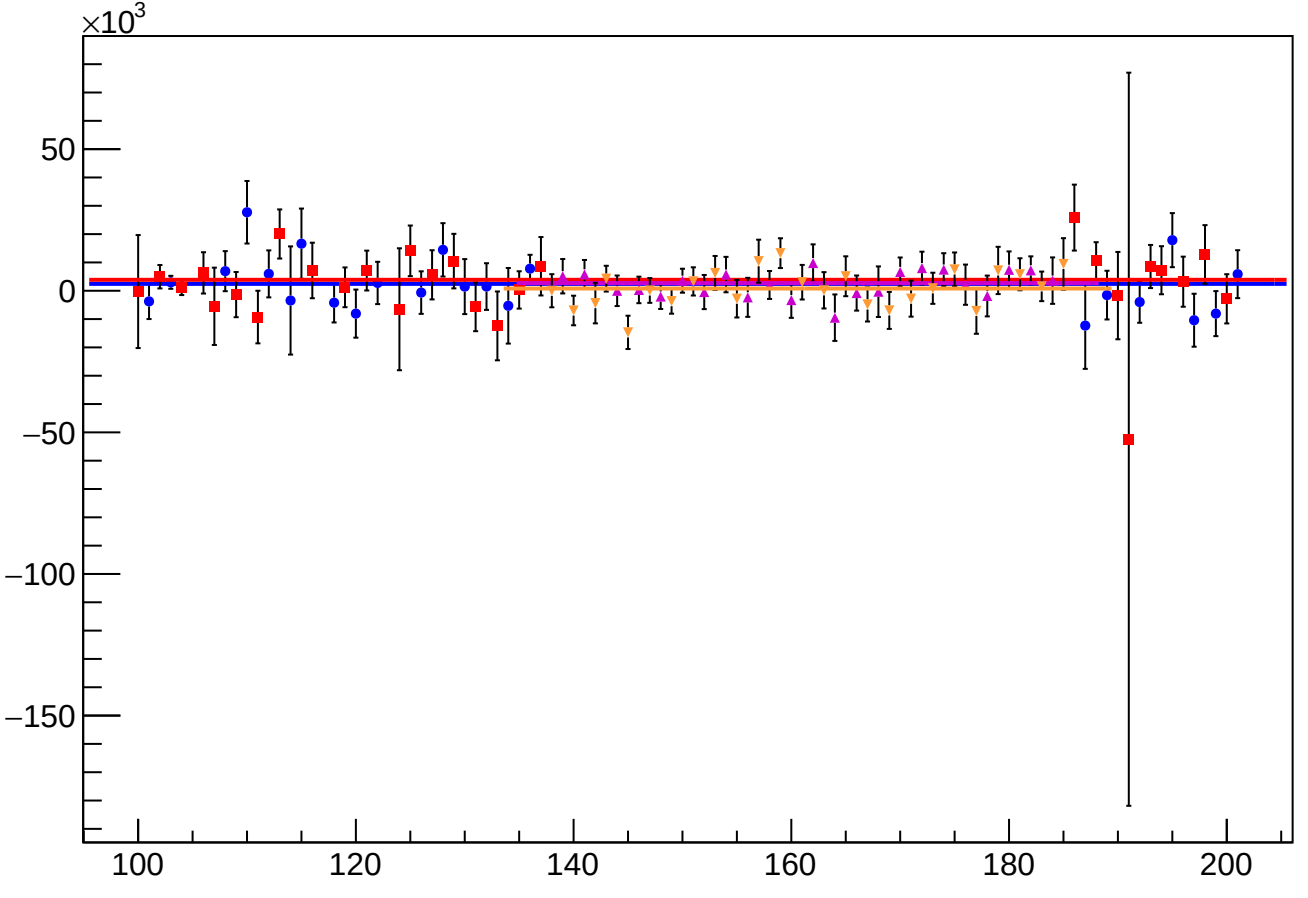
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2323.352+/-0.446 χ^2/NDF: 24146450.2/50

In: 3656.731+/-0.543 χ^2/NDF:15245377.0/45

Out: 3027.883+/-0.465 χ^2/NDF:22984852.6/52

All: 3293.541+/-0.353 χ^2/NDF: 39003519.2/9



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: 3867.849+/-1391.047 χ^2/NDF: 20.6/27

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

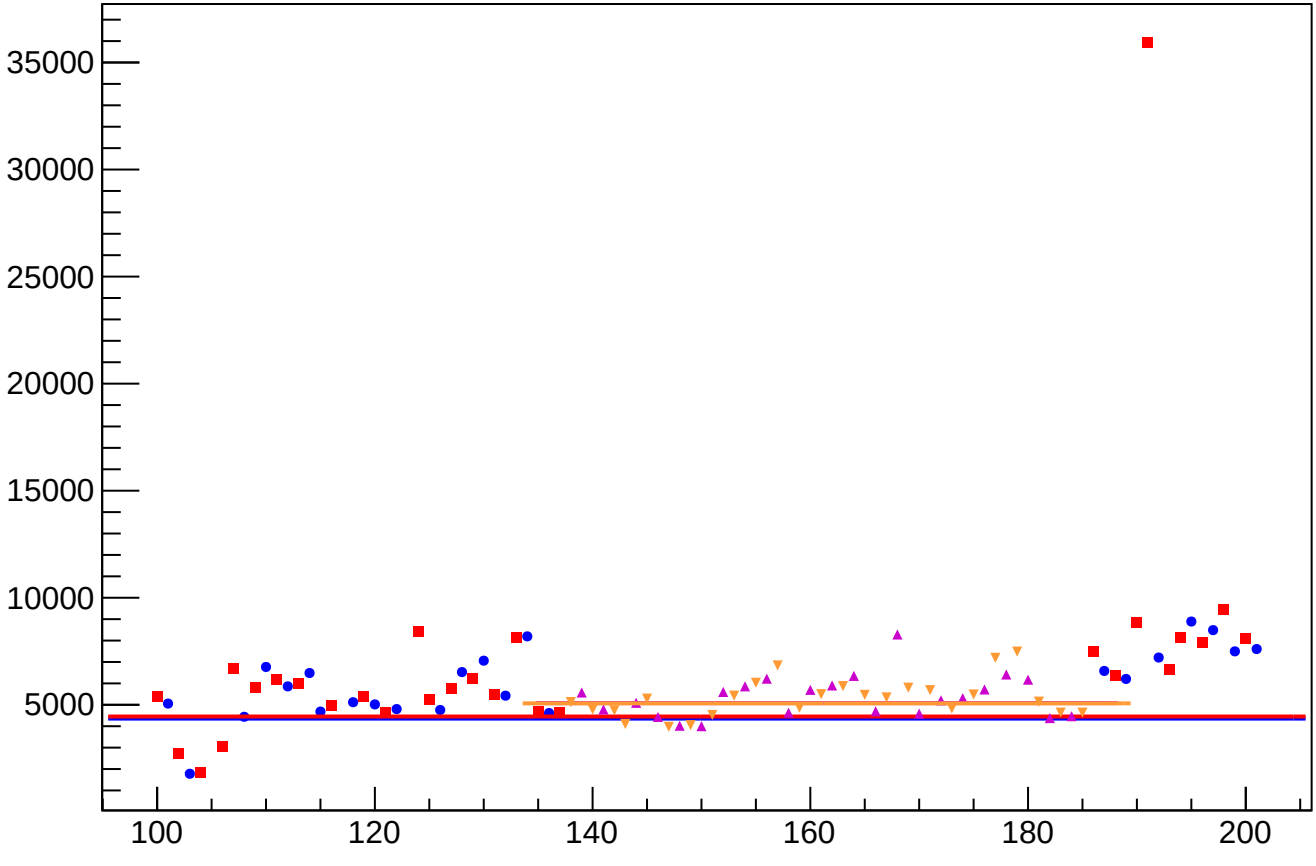
Right: 3152.416+/-986.516 χ^2/NDF: 43.6/50

In: 2587.421+/-913.647 χ^2/NDF:34.3/45

Out: 2066.552+/-896.272 χ^2/NDF:51.1/52

All: 2321.987+/-639.814 χ^2/NDF: 85.6/98

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: 4452.958+/-0.976 χ^2/NDF: 5422464.8/27

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

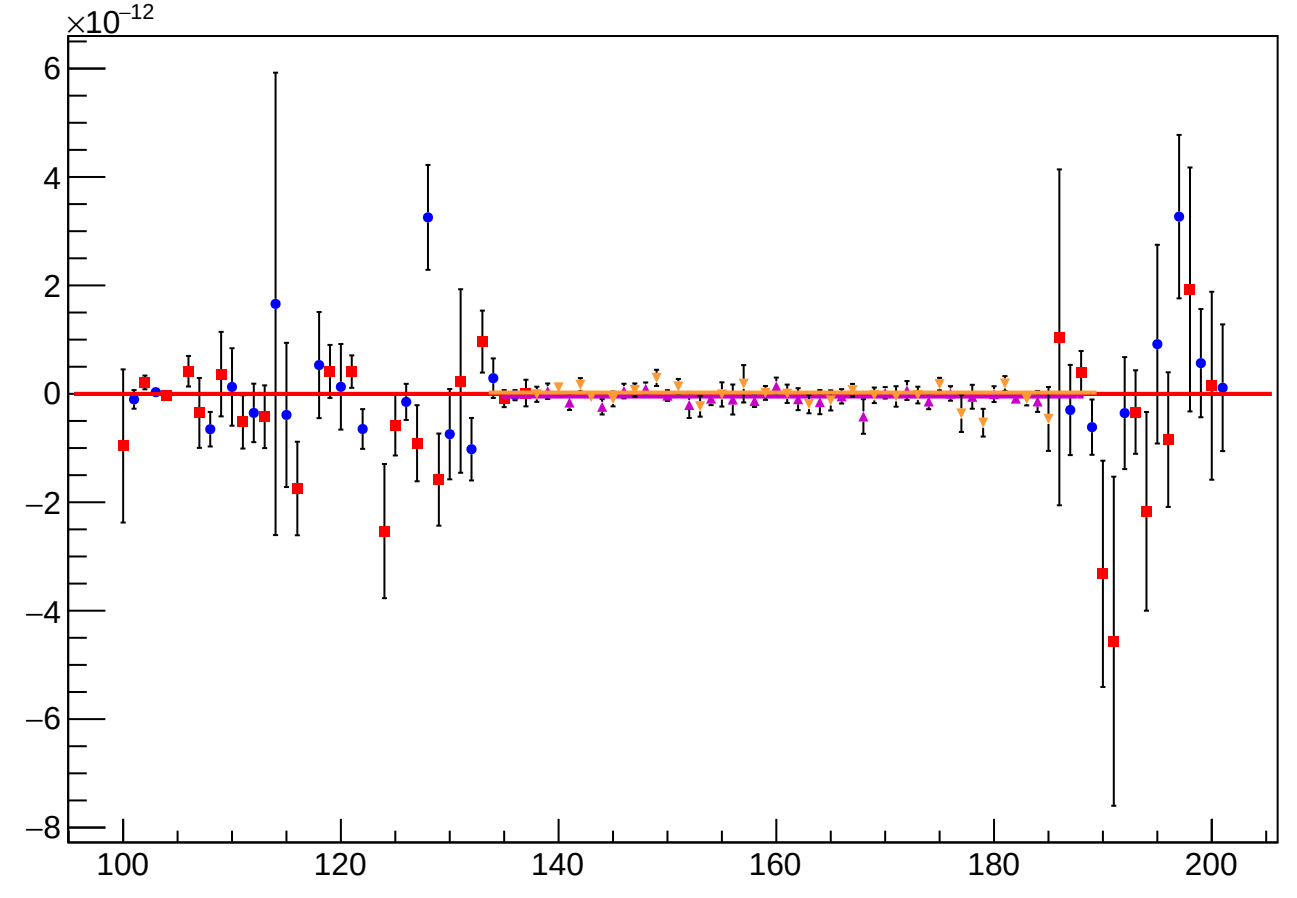
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4405.131+/-0.695 χ^2/NDF: 10571553.0/50

In: 4771.149+/-0.646 χ^2/NDF:6452414.3/45

Out: 4810.195+/-0.632 χ^2/NDF:6607474.2/52

All: 4791.113+/-0.452 χ^2/NDF: 13061756.1/9



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/27

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

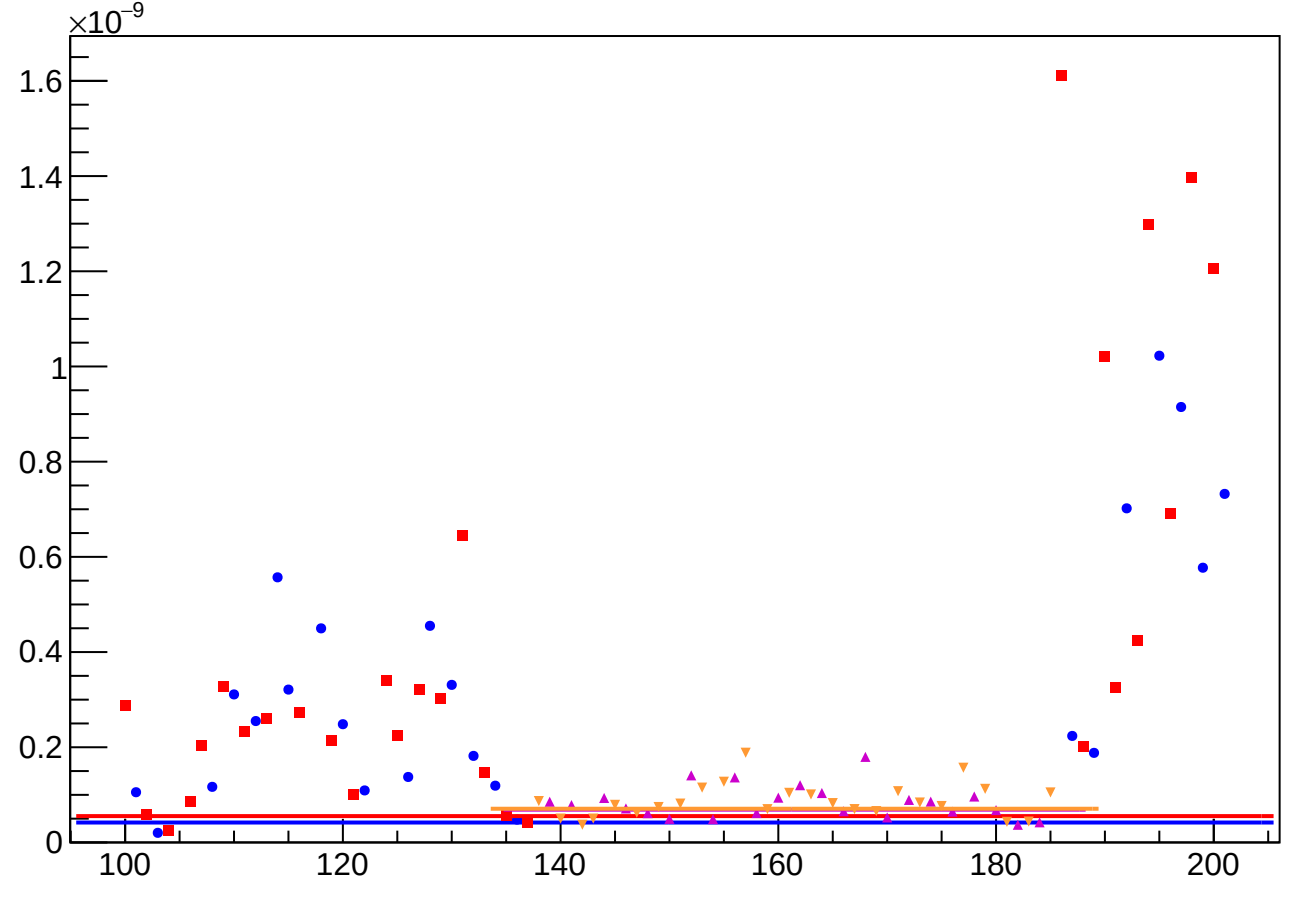
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 69.3/50

In: -0.000+/-0.000 χ^2/NDF:44.5/45

Out: 0.000+/-0.000 χ^2/NDF:60.8/52

All: -0.000+/-0.000 χ^2/NDF: 107.3/98



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: 7662226.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

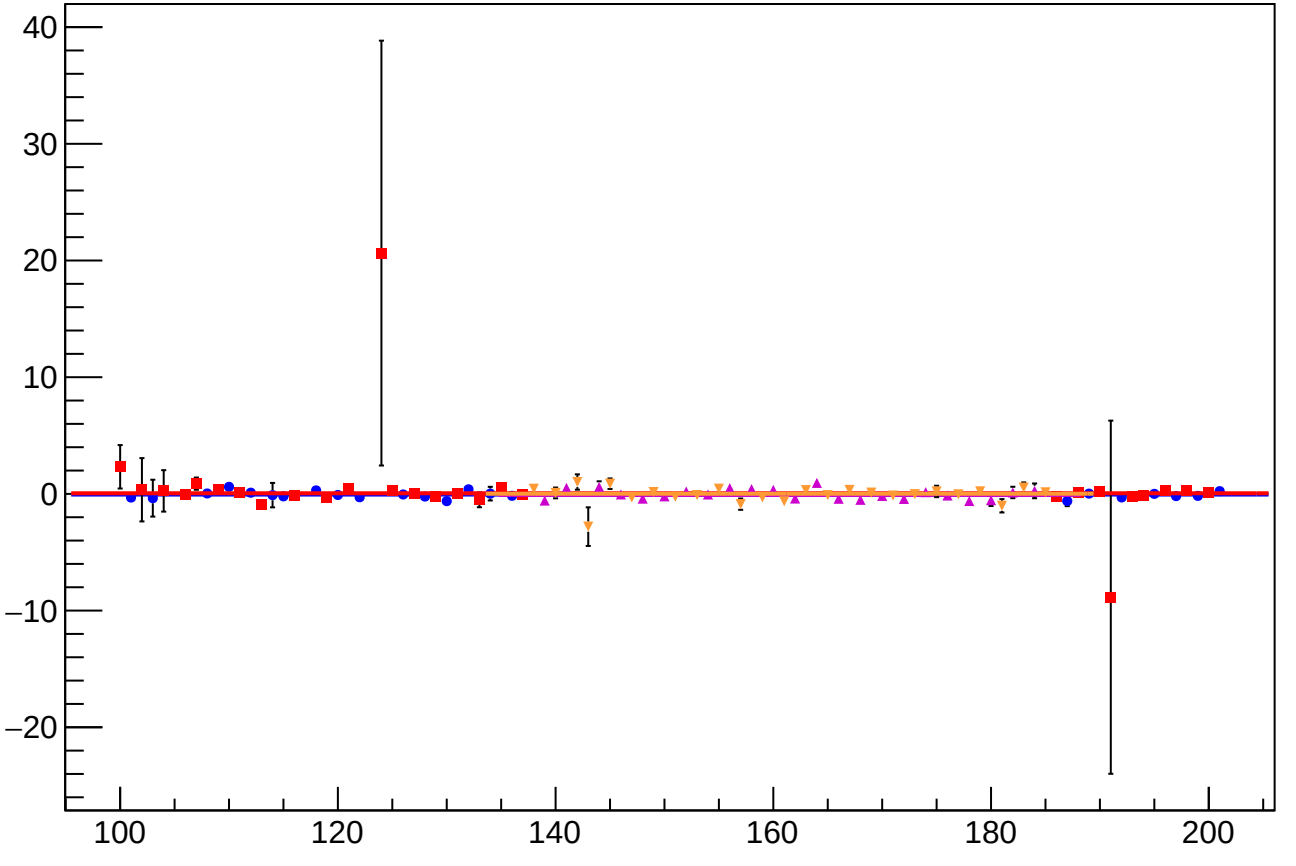
Right: 0.000+/-0.000 χ^2/NDF: 14534192.4/50

In: 0.000+/-0.000 χ^2/NDF:8864865.4/45

Out: 0.000+/-0.000 χ^2/NDF:9322100.4/52

All: 0.000+/-0.000 χ^2/NDF: 18306326.2/98

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: 0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

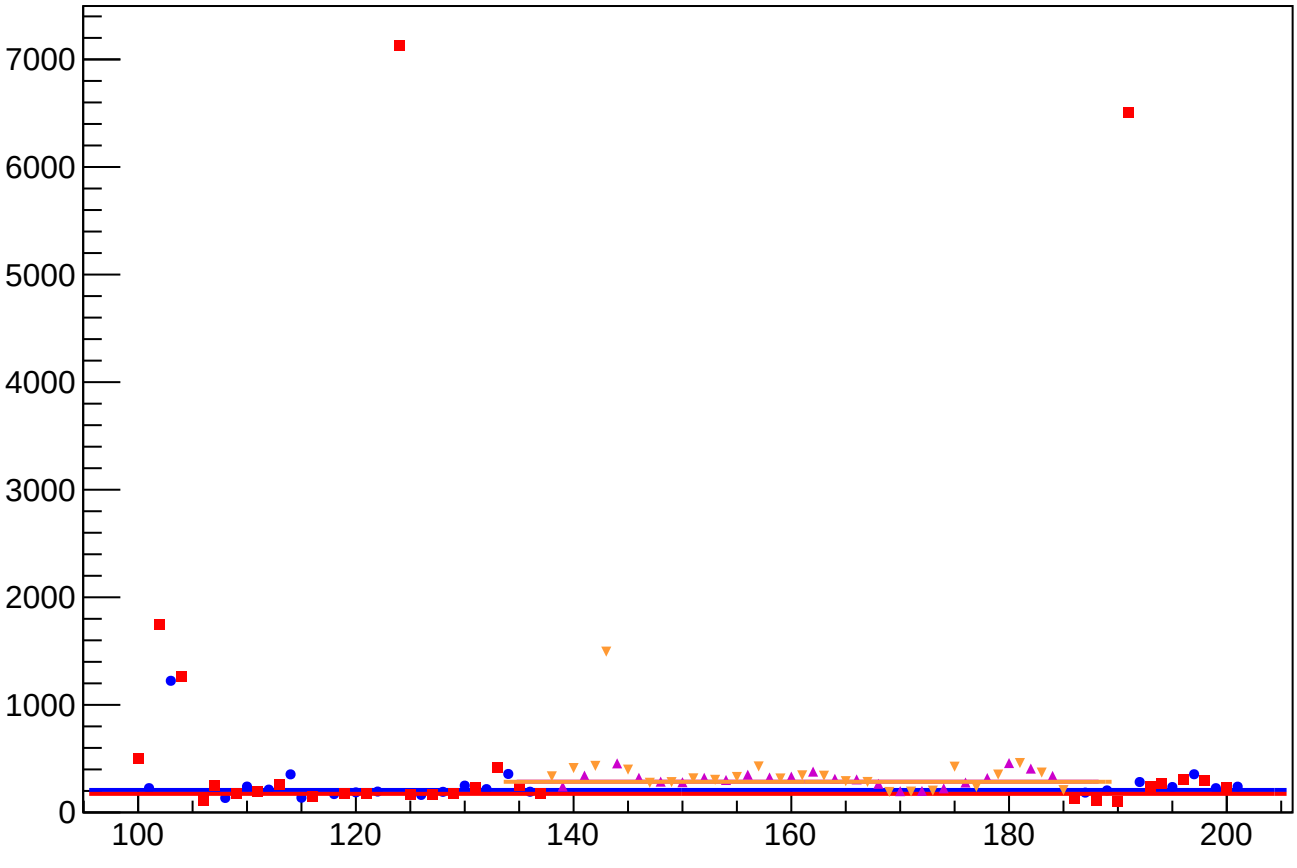
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.007+/-0.041 χ^2/NDF: 45.2/50

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.011+/-0.032 χ^2/NDF: 106.0/98



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: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

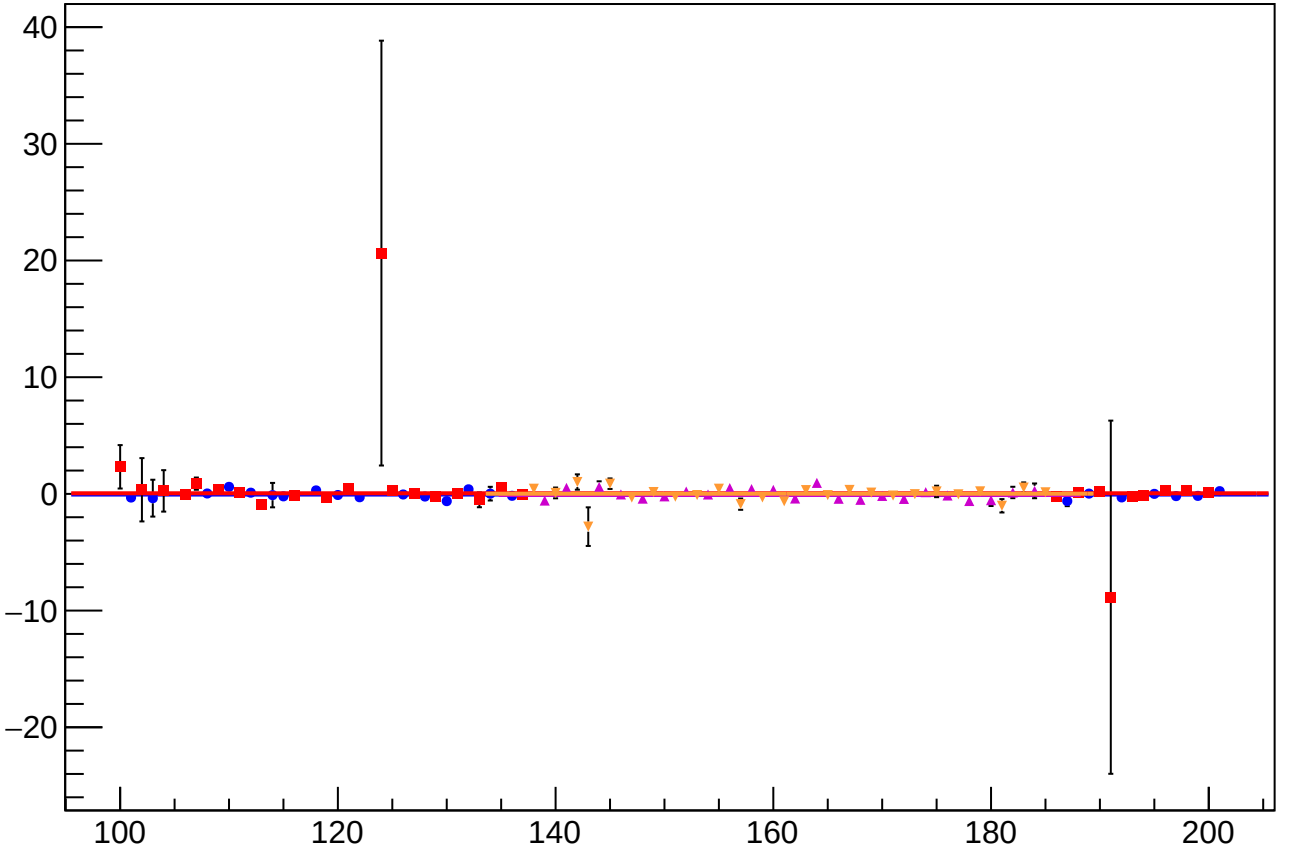
Right: 187.989+/-0.029 χ^2/NDF: 7109345.0/50

In: 243.871+/-0.034 χ^2/NDF:4972351.1/45

Out: 215.017+/-0.030 χ^2/NDF:11437094.2/52

All: 227.983+/-0.022 χ^2/NDF: 16817876.3/98

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: 0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

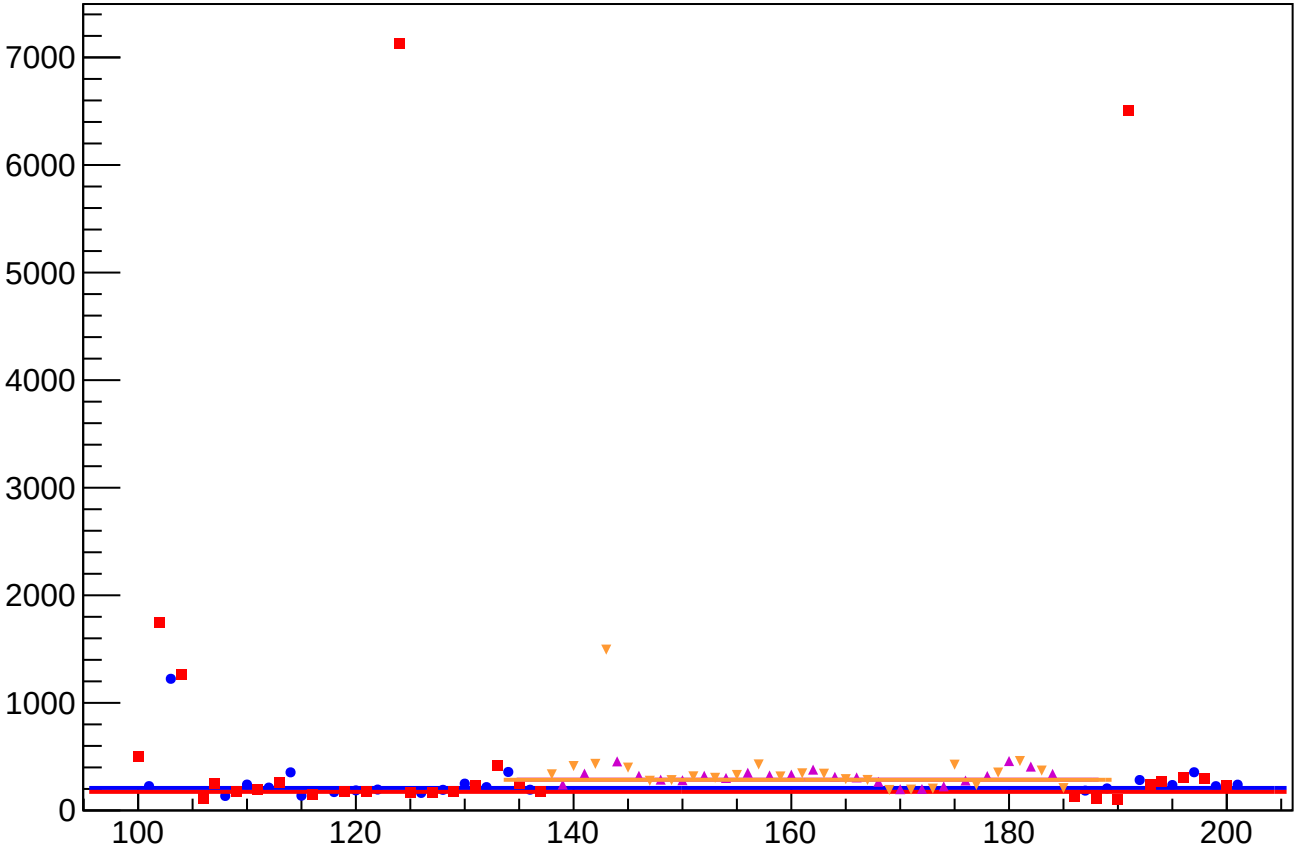
Right: 0.007+/-0.041 χ^2/NDF: 45.2/50

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

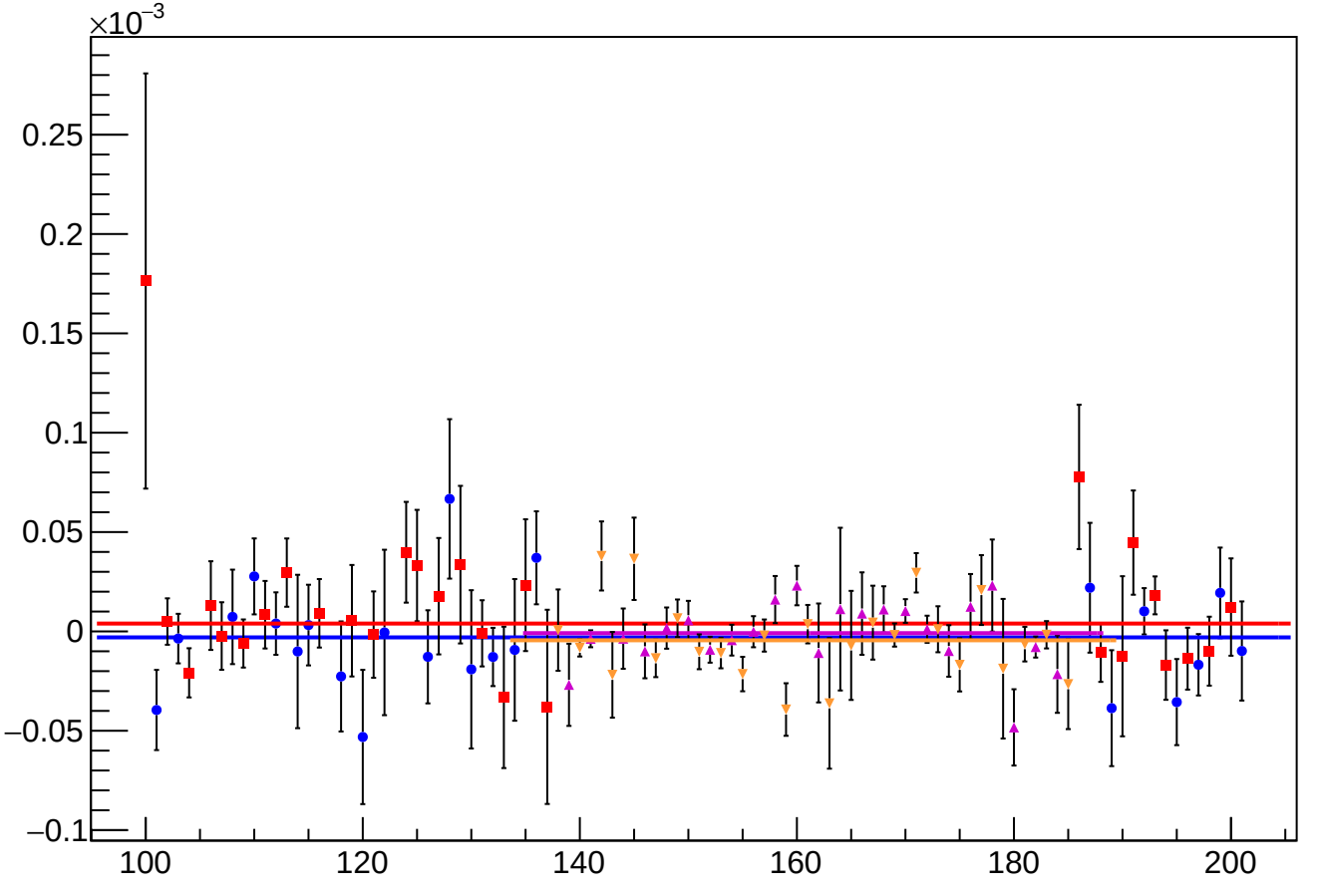
Right: 187.989+/-0.029 χ^2/NDF: 7109345.0/50

In: 243.871+/-0.034 χ^2/NDF:4972351.1/45

Out: 215.017+/-0.030 χ^2/NDF:11437094.2/52

All: 227.983+/-0.022 χ^2/NDF: 16817876.3/98

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: 29.7/27

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

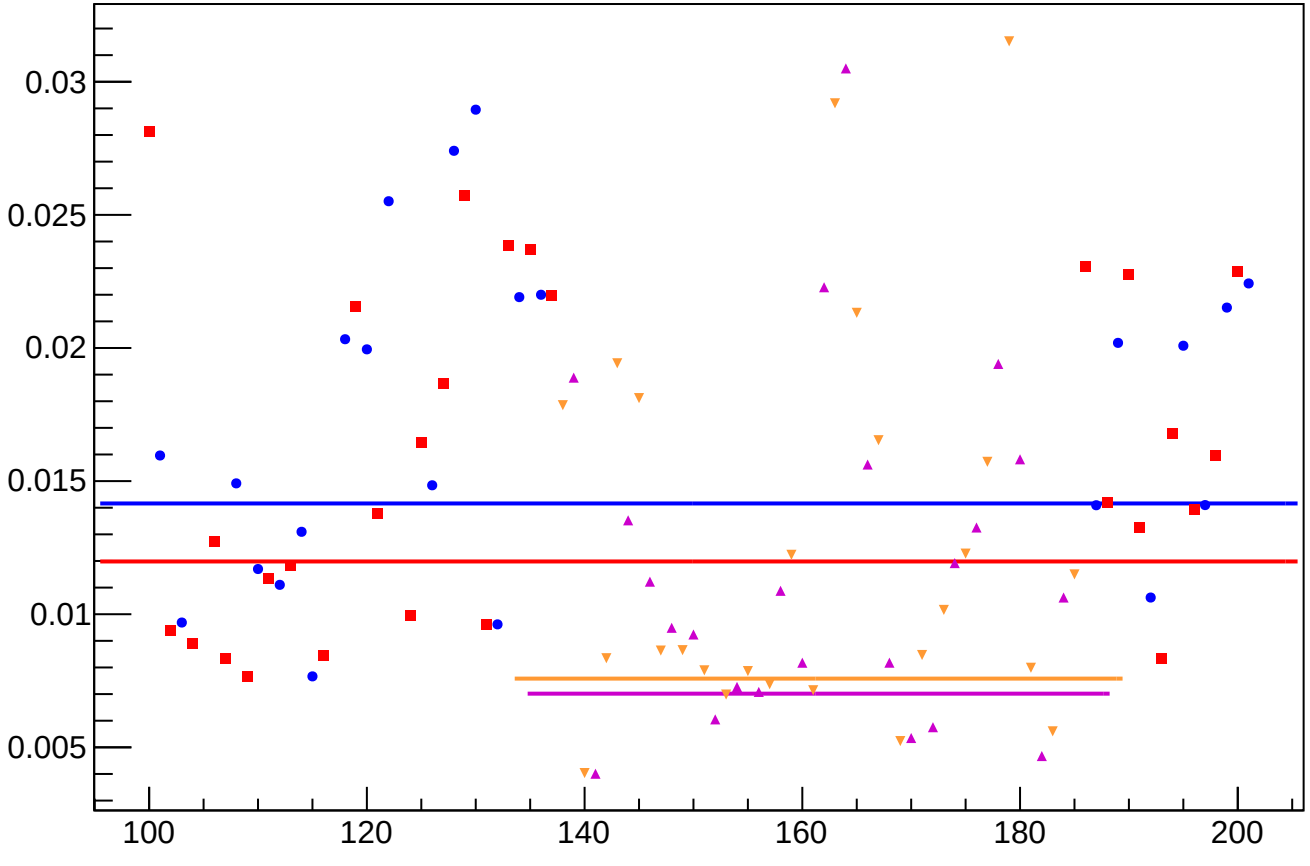
Right: 0.000+/-0.000 χ^2/NDF: 54.5/50

In: -0.000+/-0.000 χ^2/NDF:52.5/45

Out: -0.000+/-0.000 χ^2/NDF:77.9/52

All: -0.000+/-0.000 χ^2/NDF: 130.7/98

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 3313772.2/27

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

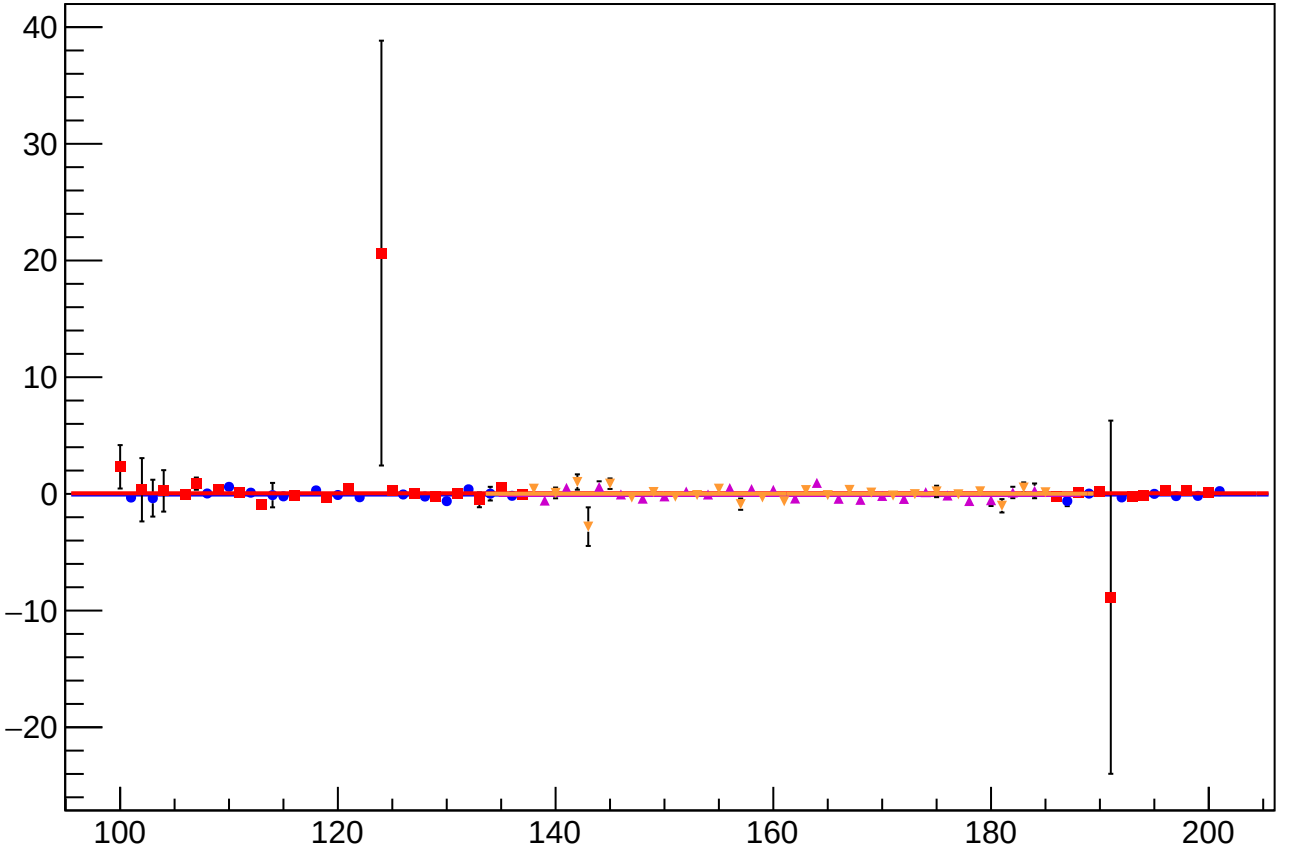
Right: 0.013+/-0.000 χ^2/NDF: 6367814.0/50

In: 0.008+/-0.000 χ^2/NDF:14022775.1/45

Out: 0.009+/-0.000 χ^2/NDF:13050835.2/52

All: 0.008+/-0.000 χ^2/NDF: 27145543.4/98

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: 0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

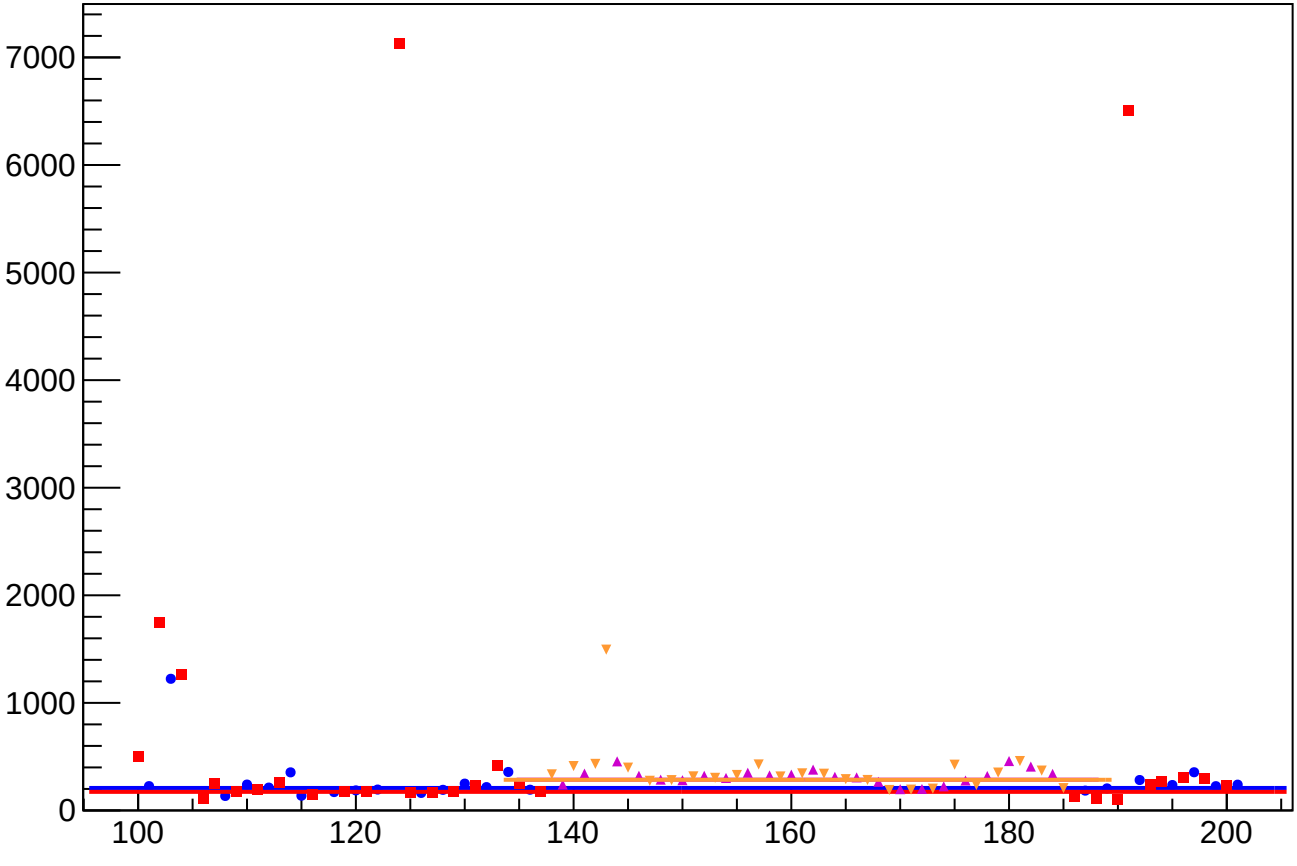
Right: 0.007+/-0.041 χ^2/NDF: 45.2/50

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

asym_atl1r2_avg_eigen_dit_vs_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: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

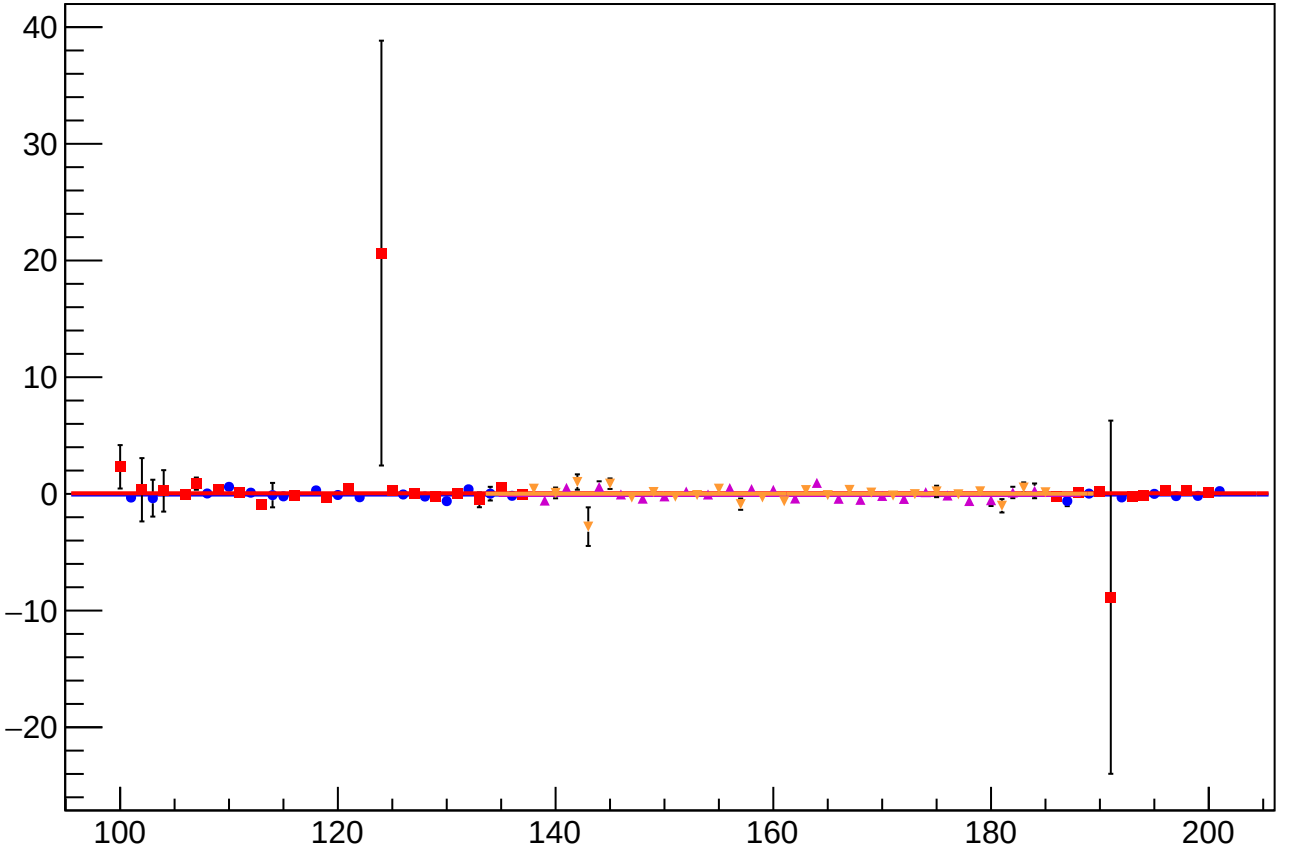
Right: 187.987+/-0.029 χ^2/NDF: 7109520.3/50

In: 243.871+/-0.034 χ^2/NDF:4972503.0/45

Out: 215.016+/-0.030 χ^2/NDF:11437570.2/52

All: 227.982+/-0.022 χ^2/NDF: 16818552.5/98

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: 0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

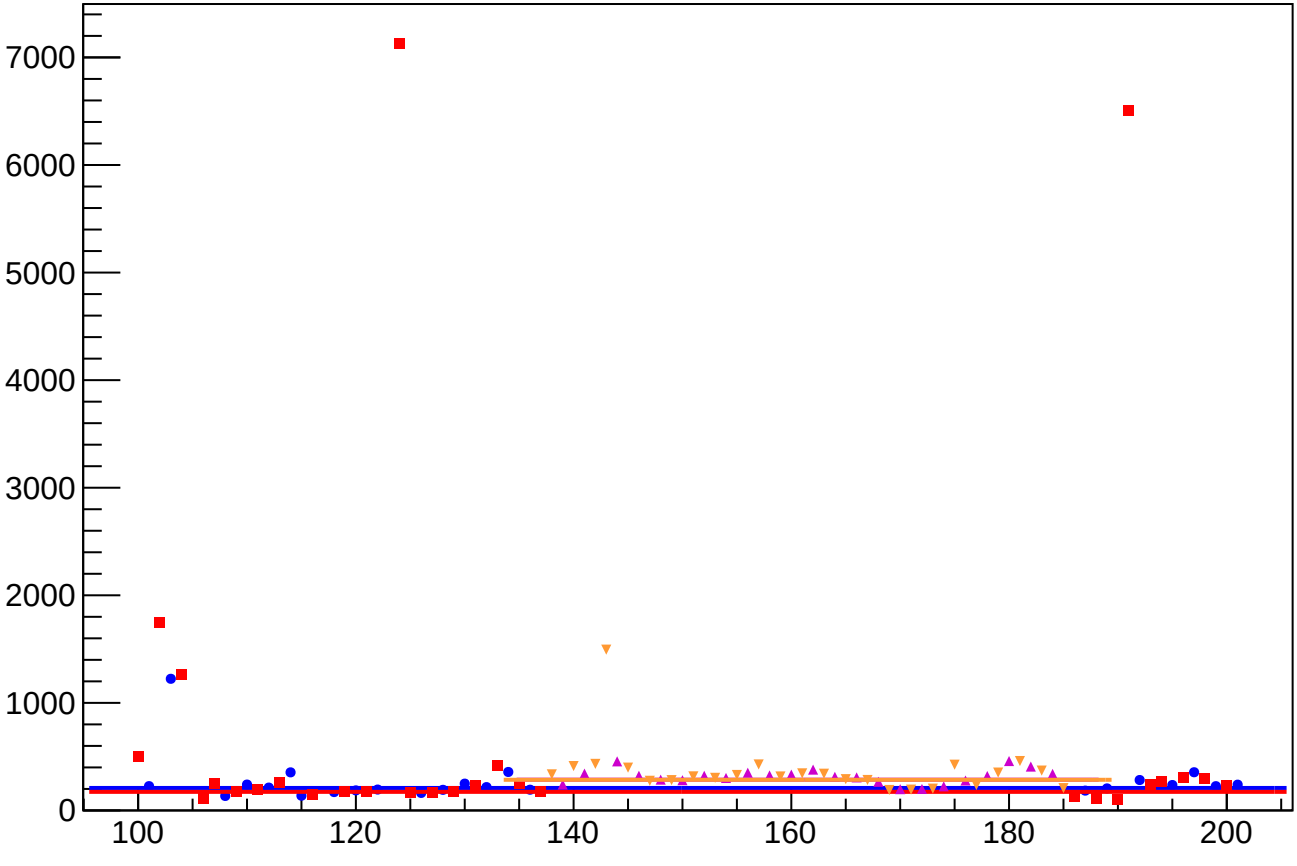
Right: 0.007+/-0.041 χ^2/NDF: 45.2/50

In: -0.073+/-0.047 χ^2/NDF:46.7/45

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

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: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

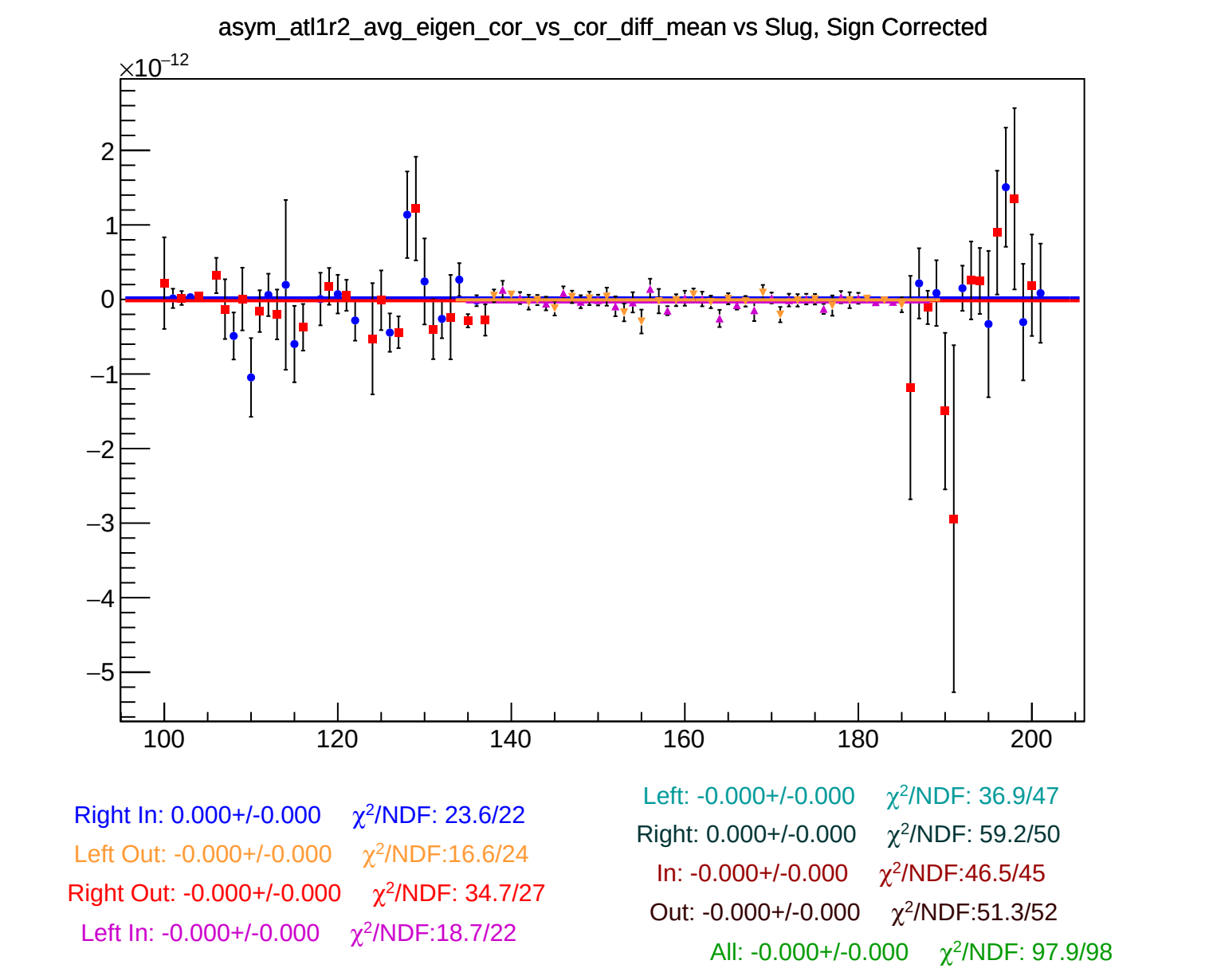
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

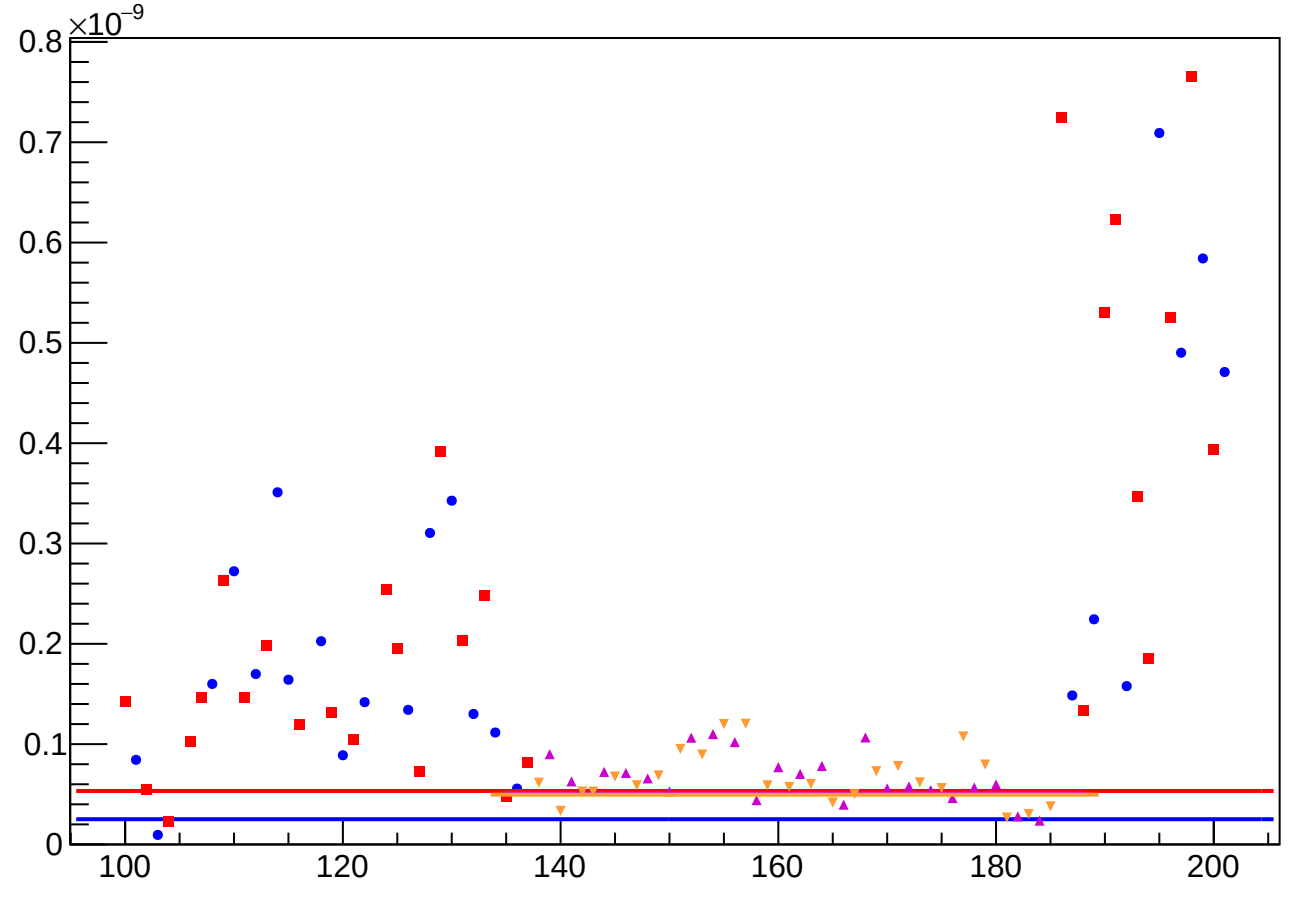
Right: 187.987+/-0.029 χ^2/NDF: 7109520.3/50

In: 243.871+/-0.034 χ^2/NDF:4972503.0/45

Out: 215.016+/-0.030 χ^2/NDF:11437570.2/52

All: 227.982+/-0.022 χ^2/NDF: 16818552.5/98


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: 34.7/27
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: 59.2/50
In: -0.000+/-0.000 χ²/NDF:46.5/45
Out: -0.000+/-0.000 χ²/NDF:51.3/52
All: -0.000+/-0.000 χ²/NDF: 97.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 10945244.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8140328.7/27

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

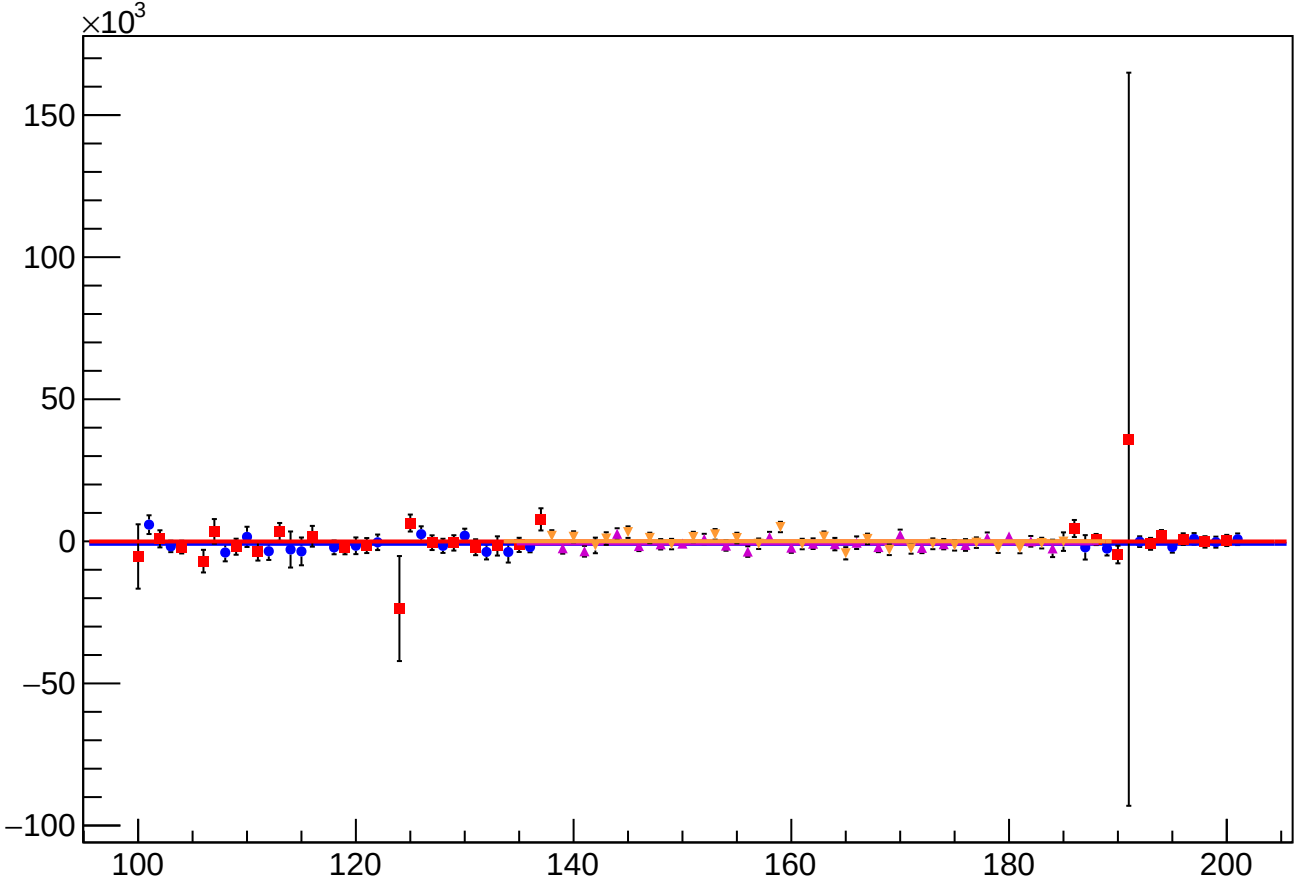
Right: 0.000+/-0.000 χ^2/NDF: 20249301.3/50

In: 0.000+/-0.000 χ^2/NDF:16669924.3/45

Out: 0.000+/-0.000 χ^2/NDF:12046404.5/52

All: 0.000+/-0.000 χ^2/NDF: 29161344.1/98

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: -46.519+/-518.005 χ^2/NDF: 26.6/27

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

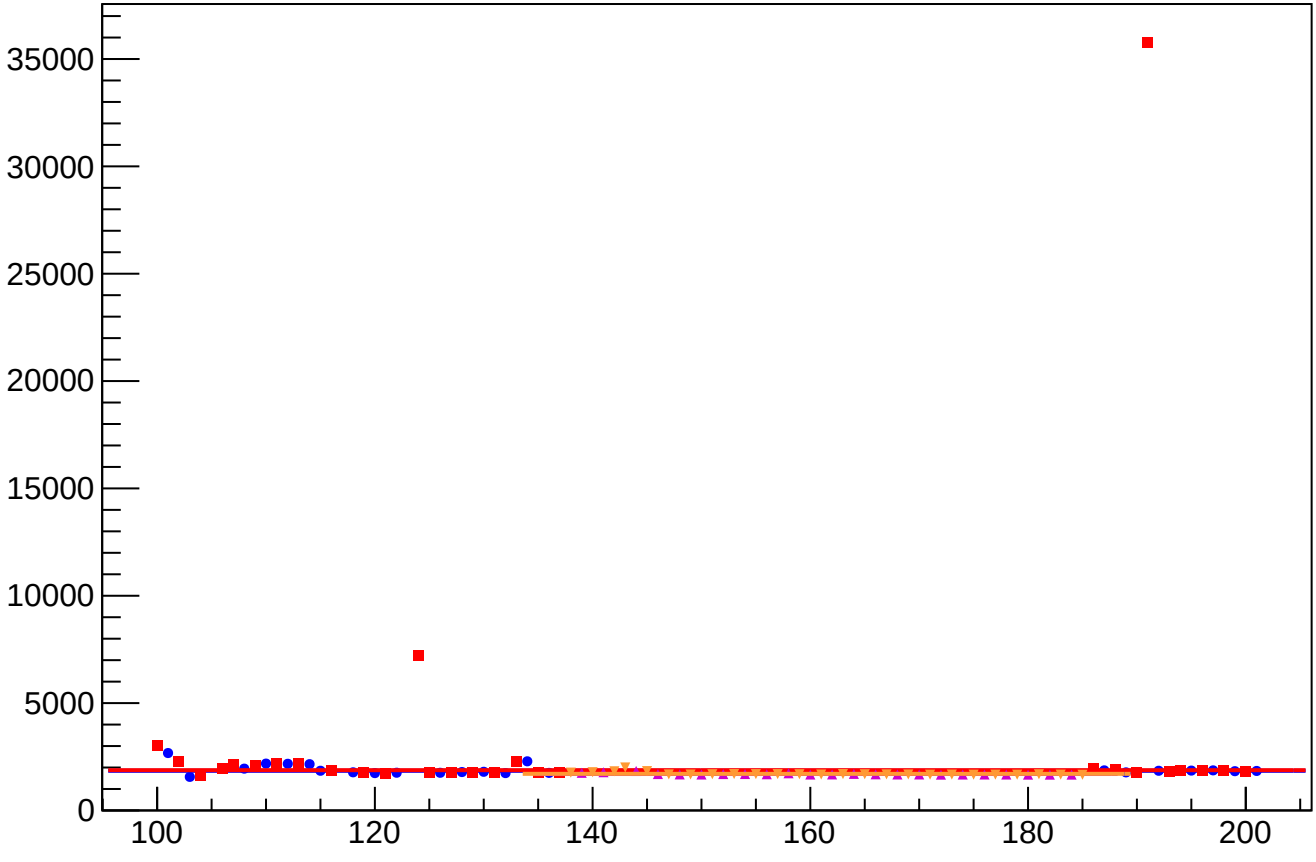
Right: -451.384+/-369.783 χ^2/NDF: 42.7/50

In: -774.510+/-317.039 χ^2/NDF:34.0/45

Out: -1.890+/-310.408 χ^2/NDF:56.1/52

All: -380.035+/-221.799 χ^2/NDF: 93.1/98

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: 1875.767+/-0.366 χ^2/NDF: 511818.0/27

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

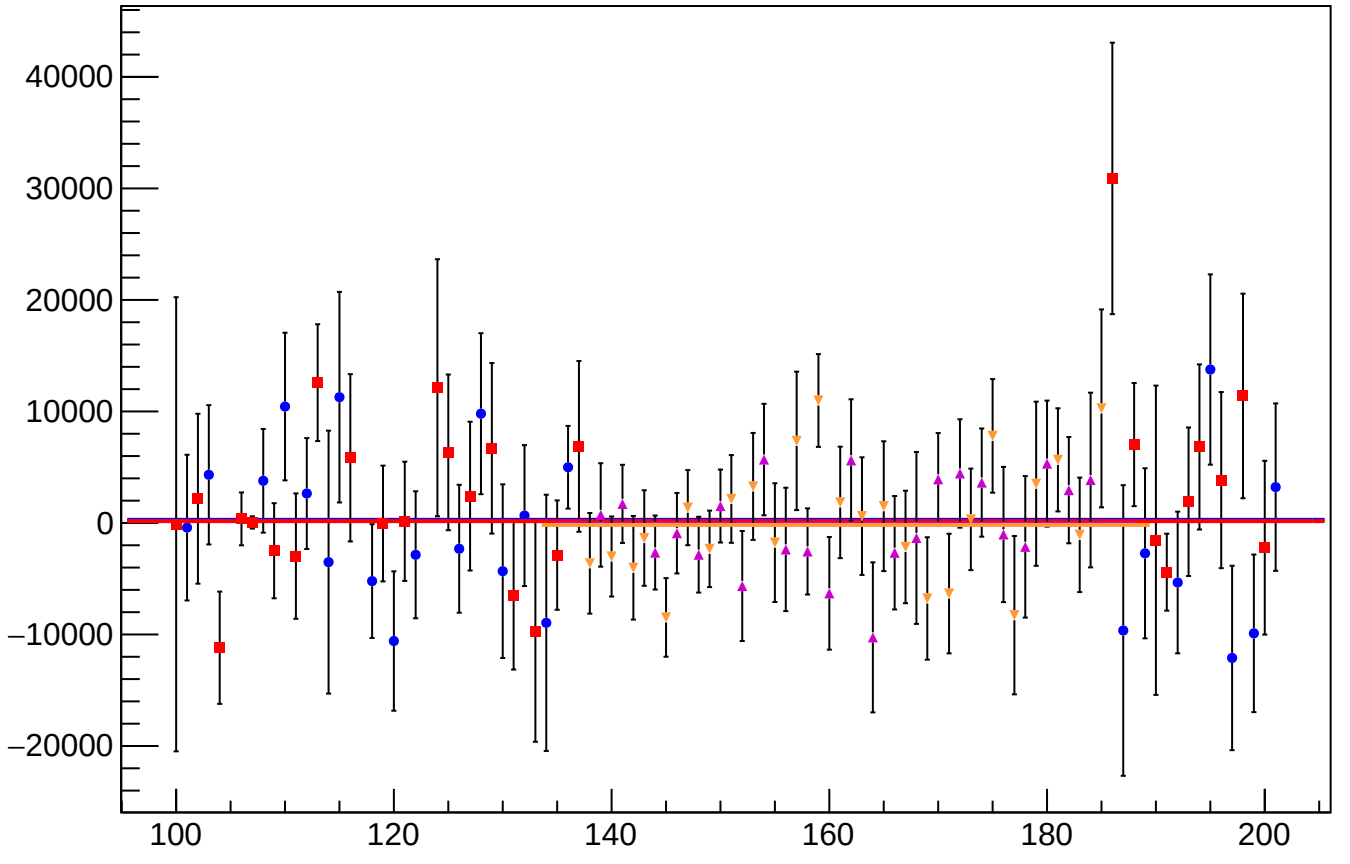
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1861.518+/-0.261 χ^2/NDF: 777263.6/50

In: 1751.284+/-0.224 χ^2/NDF:385553.2/45

Out: 1766.824+/-0.219 χ^2/NDF:710241.3/52

All: 1759.222+/-0.157 χ^2/NDF: 1098249.0/98



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: 163.020+/-492.406 χ^2/NDF: 30.3/27

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

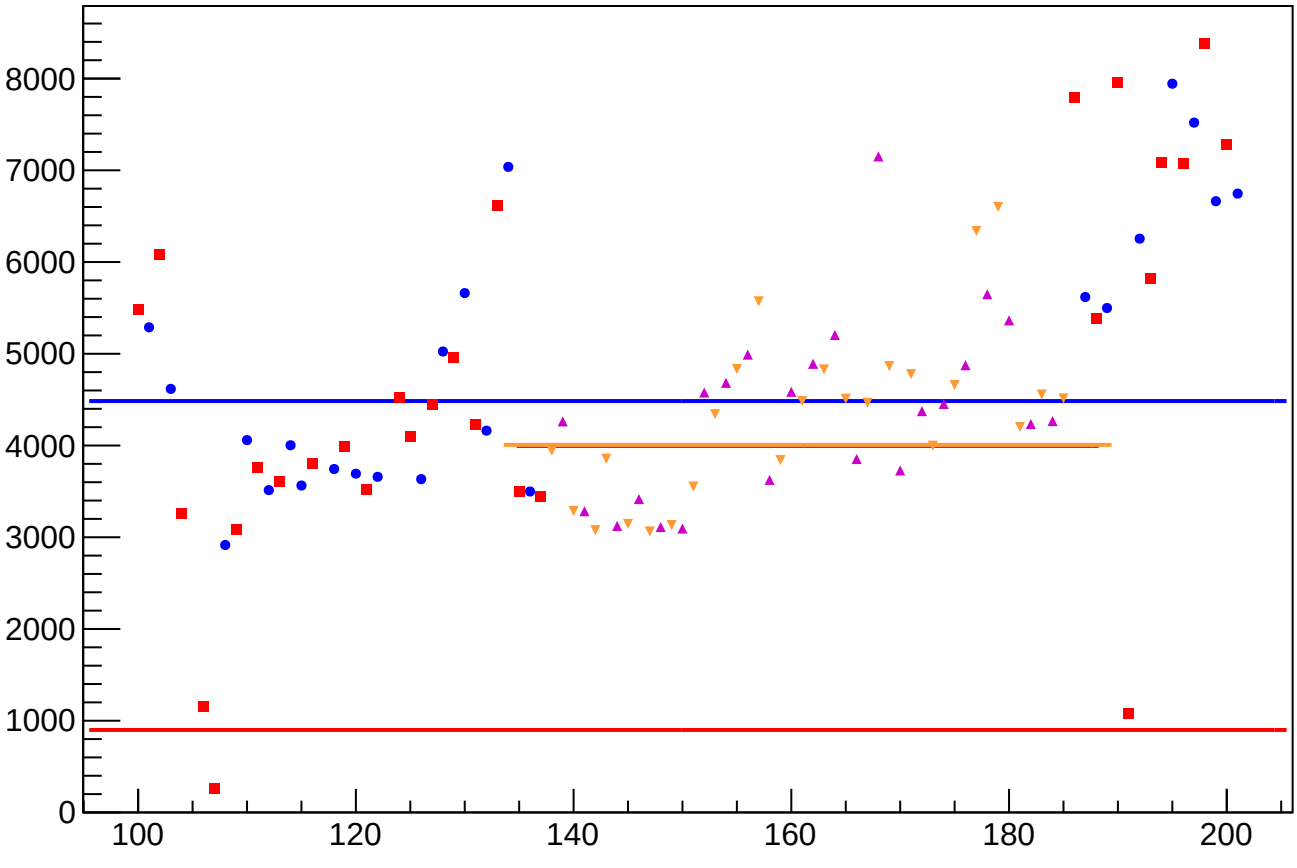
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 176.919+/-462.175 χ^2/NDF: 52.9/50

In: 57.066+/-778.389 χ^2/NDF:36.9/45

Out: 89.475+/-435.695 χ^2/NDF:58.4/52

All: 81.744+/-380.189 χ^2/NDF: 95.3/98



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: 899.250+/-0.348 χ^2/NDF: 19783719.0/27

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

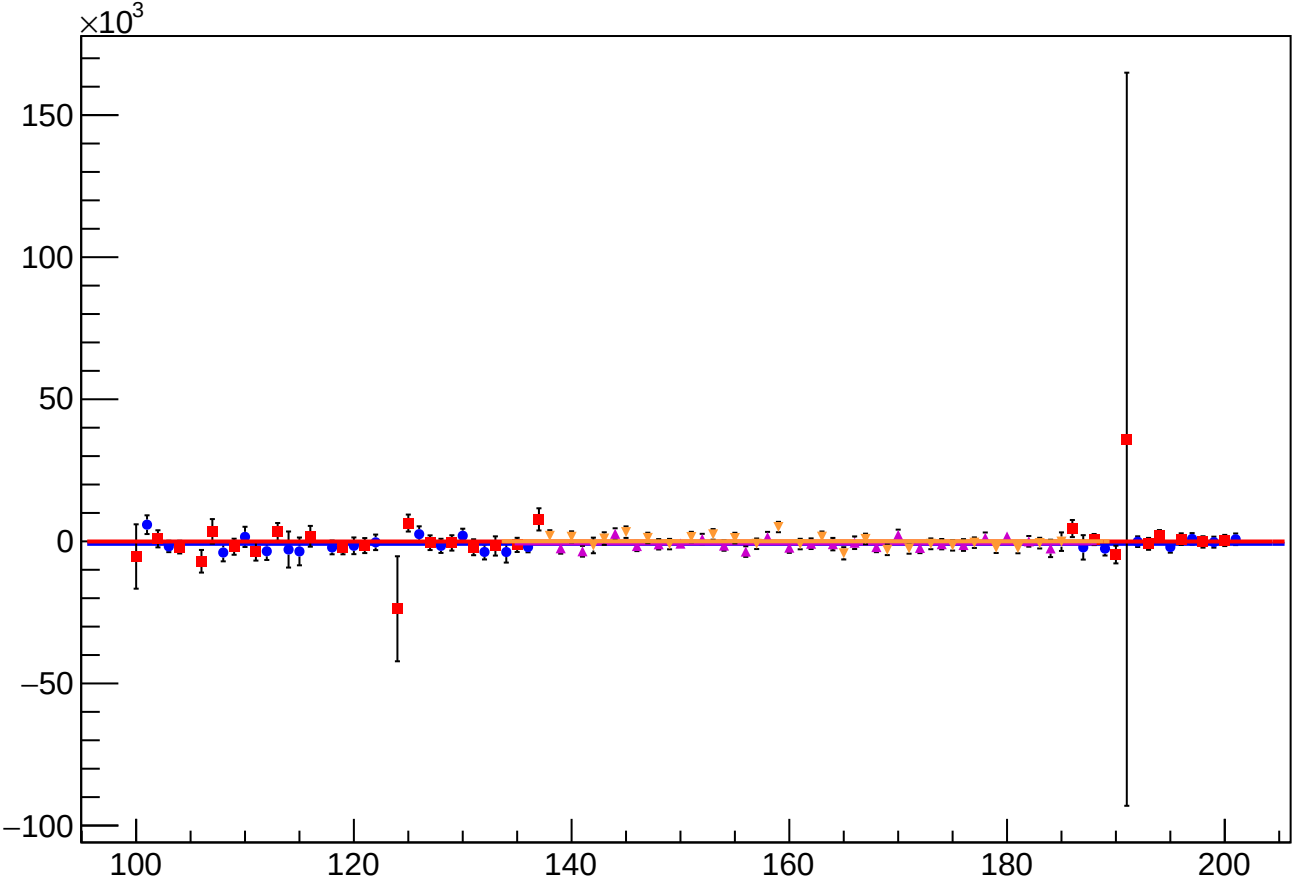
Right: 1325.965+/-0.327 χ^2/NDF: 34407357.7/50

In: 4160.251+/-0.550 χ^2/NDF:3719024.9/45

Out: 1573.867+/-0.308 χ^2/NDF:38581056.1/52

All: 2190.886+/-0.269 χ^2/NDF: 59113483.3/9

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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: -46.697+/-518.005 χ^2/NDF: 26.6/27

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

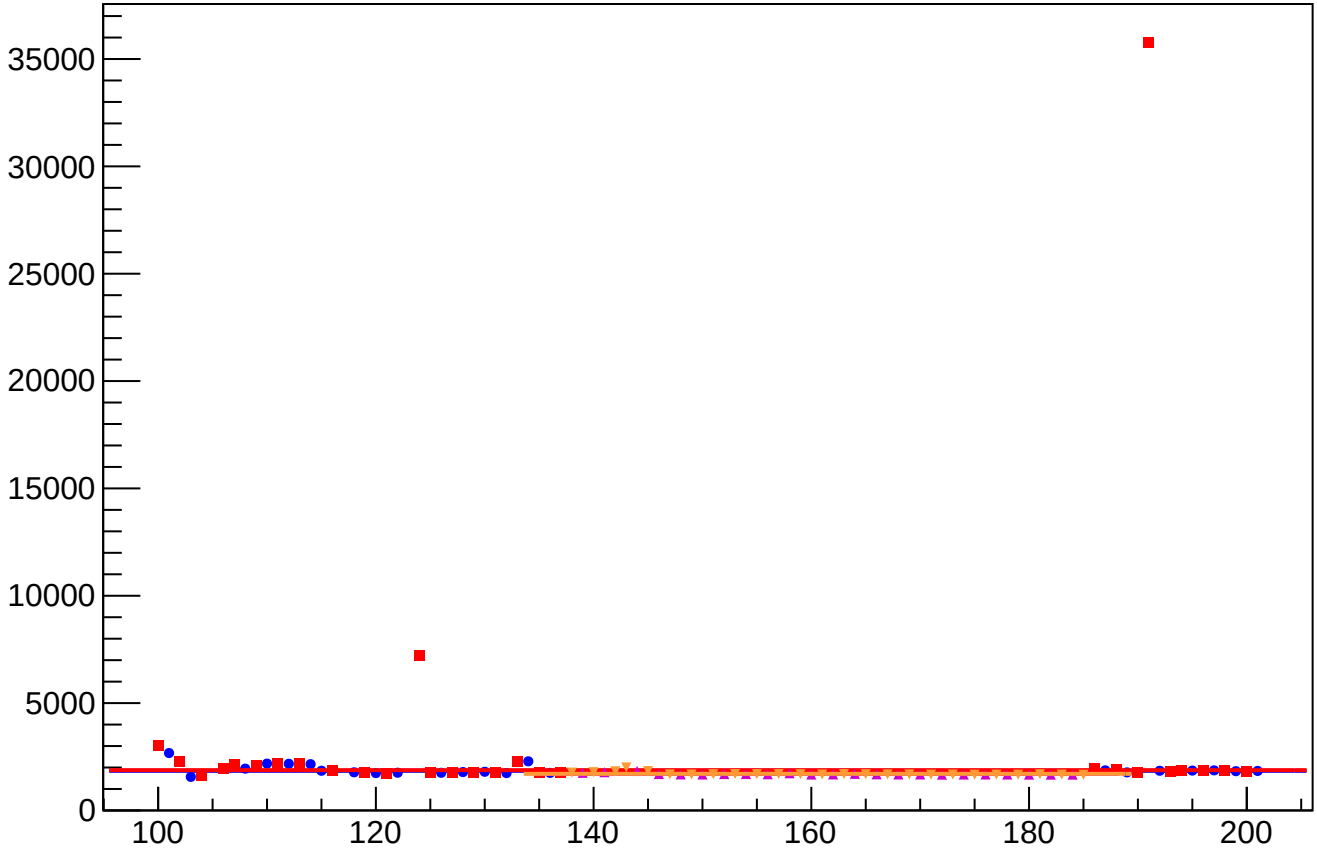
Right: -451.358+/-369.783 χ^2/NDF: 42.8/50

In: -774.345+/-317.039 χ^2/NDF:34.0/45

Out: -1.908+/-310.408 χ^2/NDF:56.1/52

All: -379.963+/-221.799 χ^2/NDF: 93.2/98

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: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

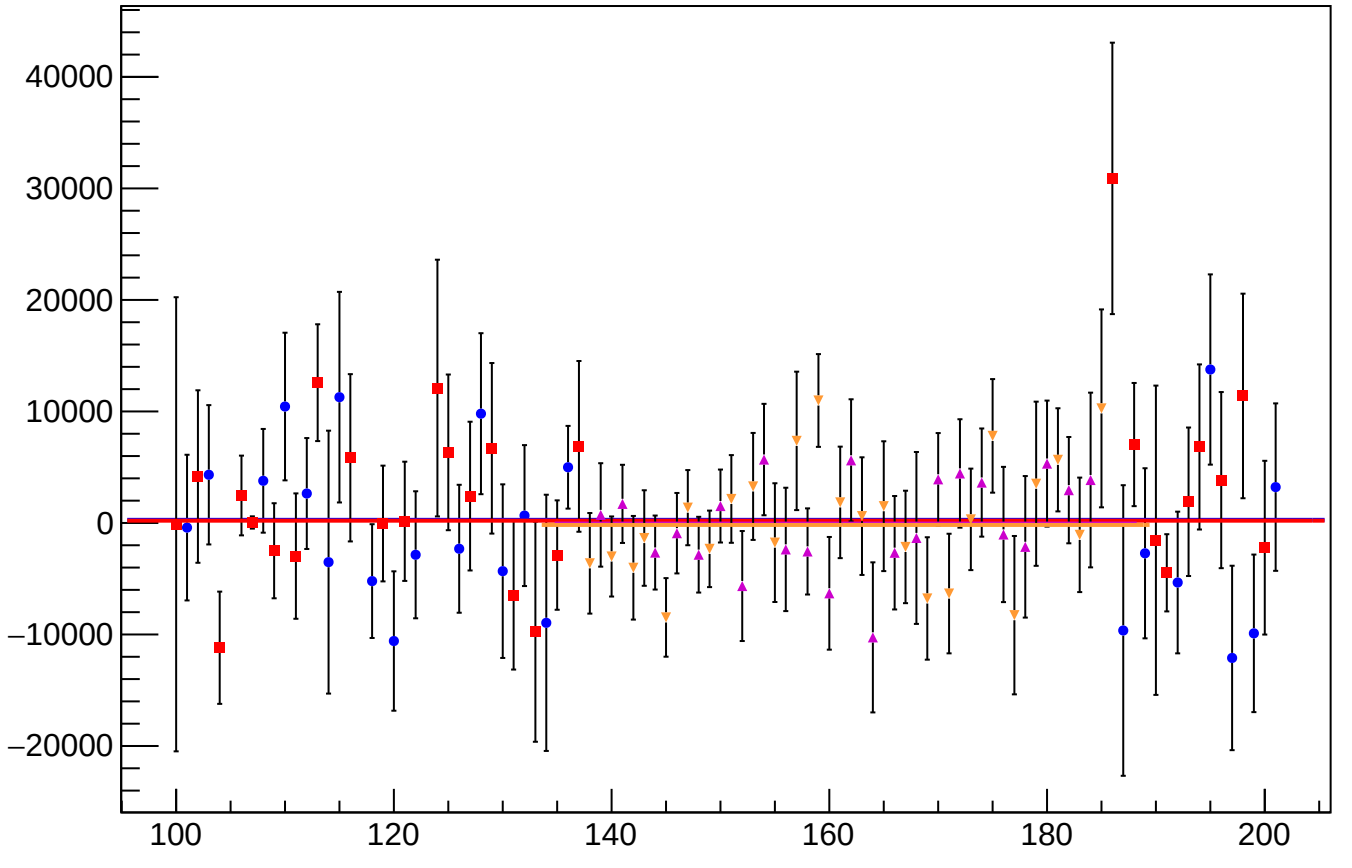
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1861.641+/-0.261 χ^2/NDF: 777585.0/50

In: 1751.284+/-0.224 χ^2/NDF:385552.7/45

Out: 1766.903+/-0.219 χ^2/NDF:710887.4/52

All: 1759.262+/-0.157 χ^2/NDF: 1098919.2/98



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: 205.623+/-498.521 χ^2/NDF: 31.0/27

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

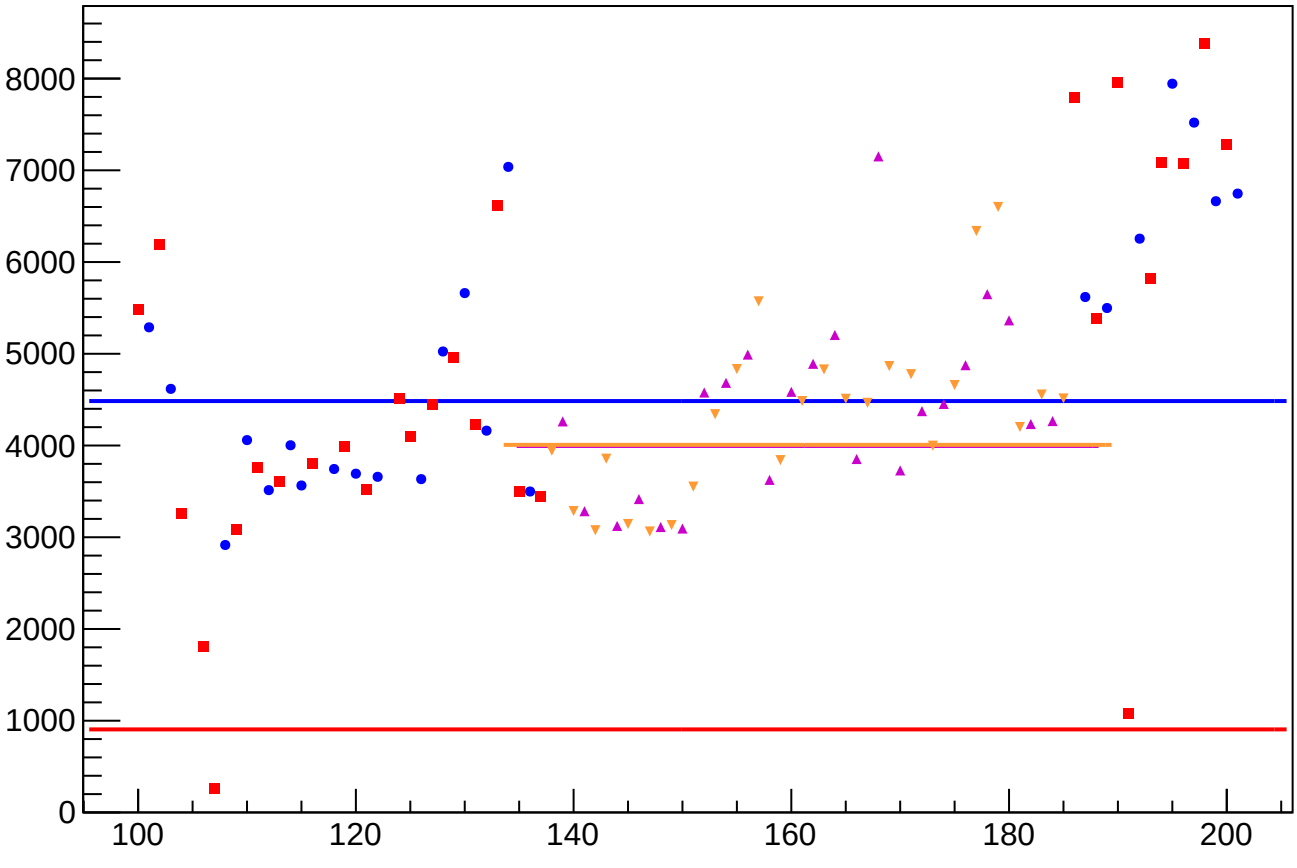
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 214.641+/-467.220 χ^2/NDF: 53.5/50

In: 57.102+/-778.390 χ^2/NDF:36.9/45

Out: 121.224+/-439.914 χ^2/NDF:59.0/52

All: 105.701+/-382.983 χ^2/NDF: 96.0/98



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: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

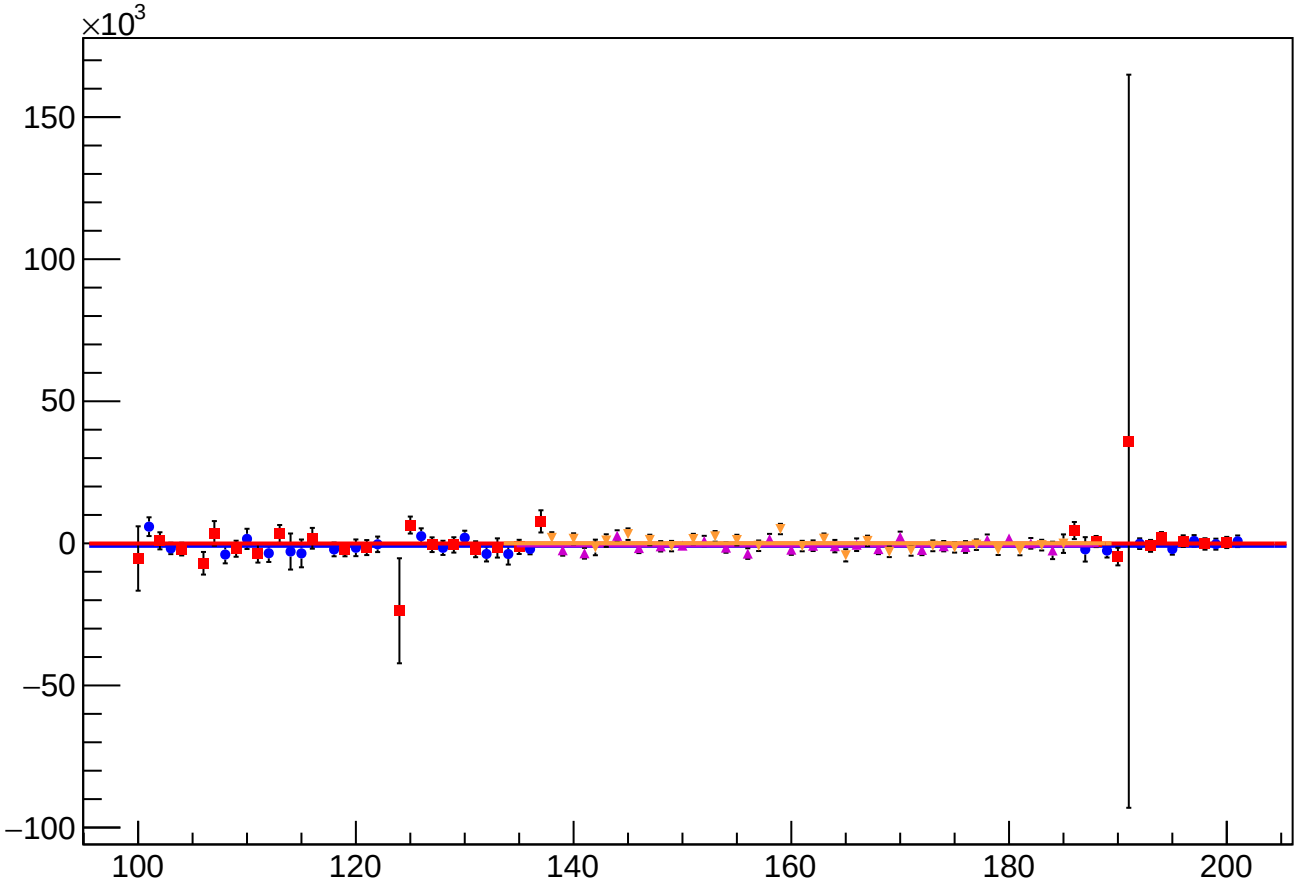
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1340.673+/-0.330 χ^2/NDF: 34444534.6/50

In: 4160.253+/-0.550 χ^2/NDF:3719030.1/45

Out: 1591.731+/-0.311 χ^2/NDF:38537694.9/52

All: 2213.526+/-0.271 χ^2/NDF: 58762050.8/9



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: -46.697+/-518.005 χ^2/NDF: 26.6/27

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

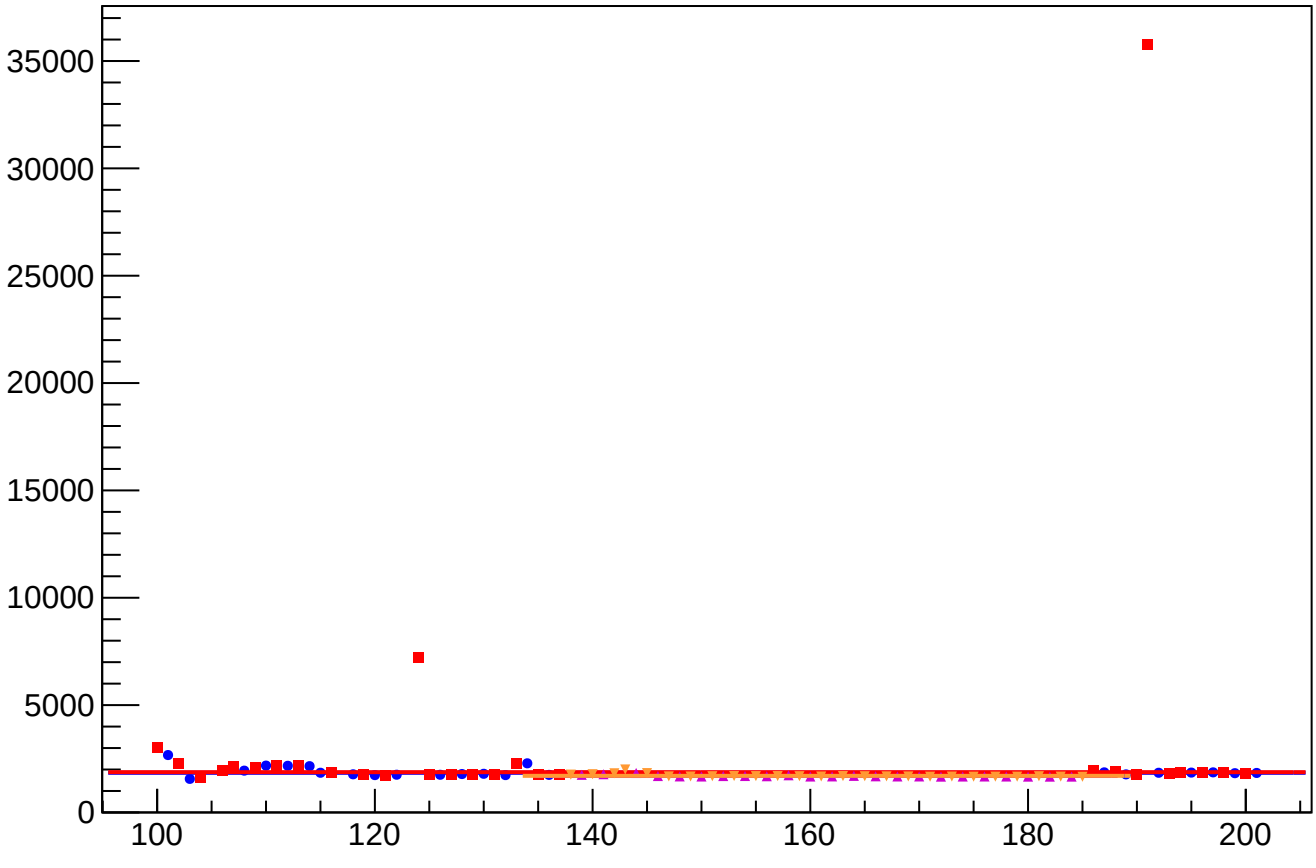
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -451.358+/-369.783 χ^2/NDF: 42.8/50

In: -774.345+/-317.039 χ^2/NDF:34.0/45

Out: -1.908+/-310.408 χ^2/NDF:56.1/52

All: -379.963+/-221.799 χ^2/NDF: 93.2/98



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: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

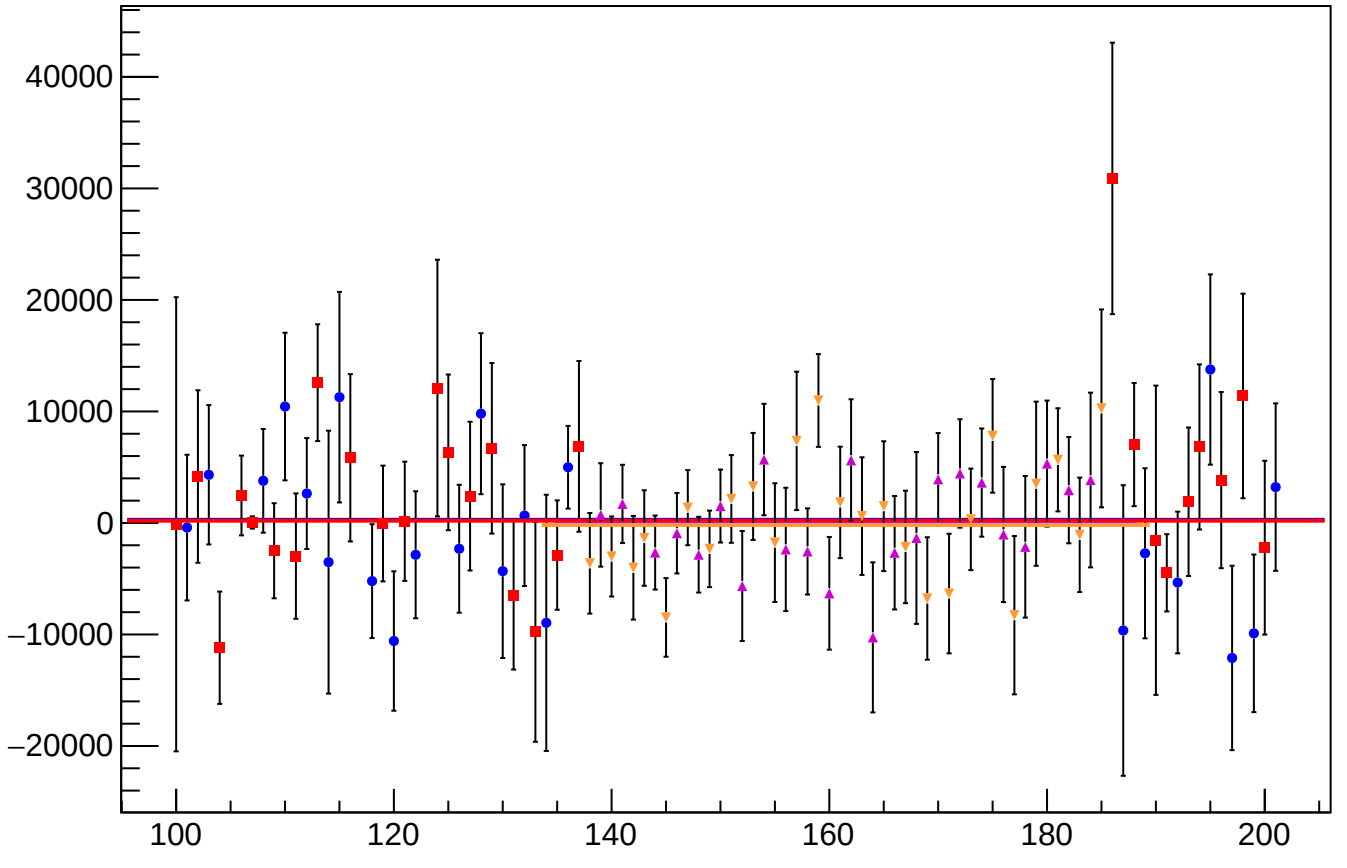
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1861.641+/-0.261 χ^2/NDF: 777585.0/50

In: 1751.284+/-0.224 χ^2/NDF:385552.7/45

Out: 1766.903+/-0.219 χ^2/NDF:710887.4/52

All: 1759.262+/-0.157 χ^2/NDF: 1098919.2/98



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: 205.623+/-498.521 χ^2/NDF: 31.0/27

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

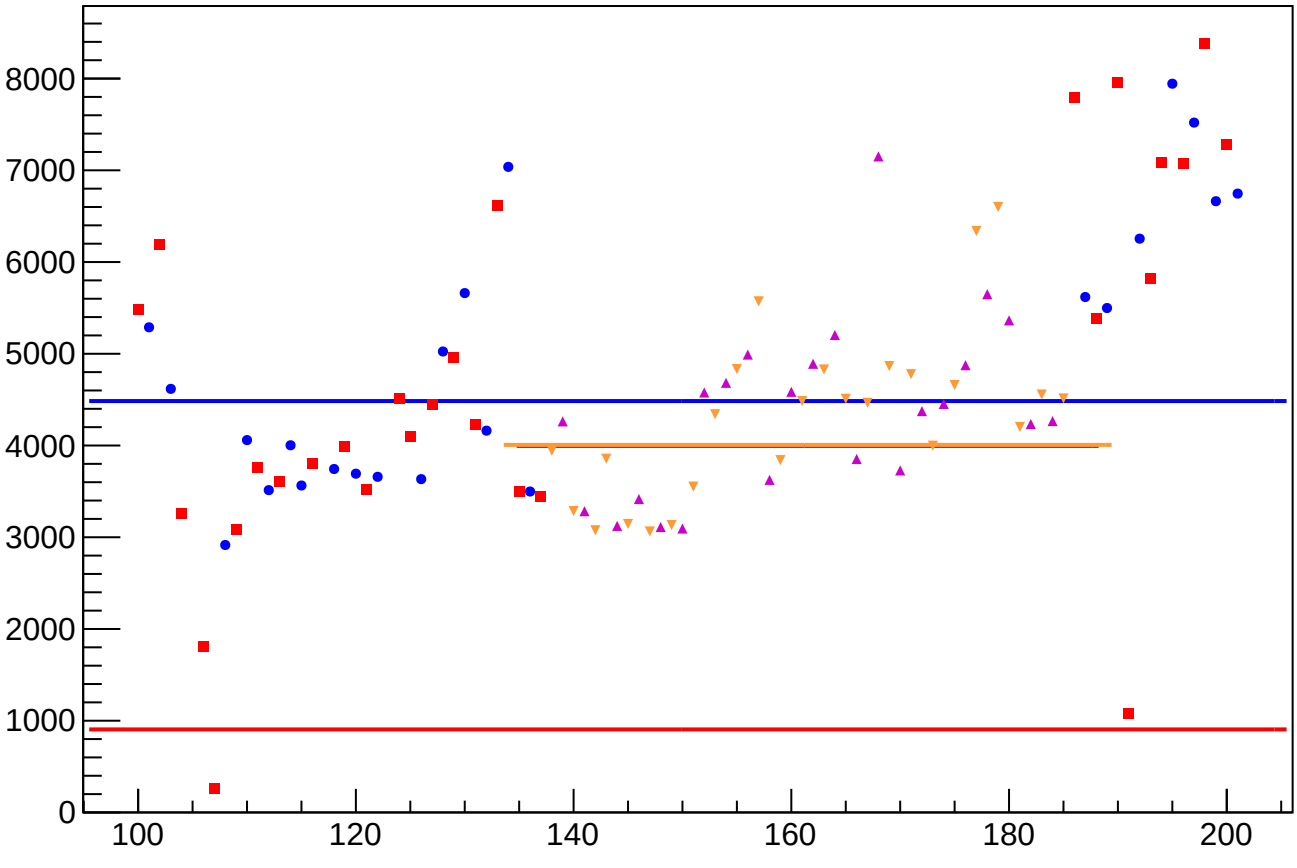
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 214.641+/-467.220 χ^2/NDF: 53.5/50

In: 57.102+/-778.390 χ^2/NDF:36.9/45

Out: 121.224+/-439.914 χ^2/NDF:59.0/52

All: 105.701+/-382.983 χ^2/NDF: 96.0/98



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: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

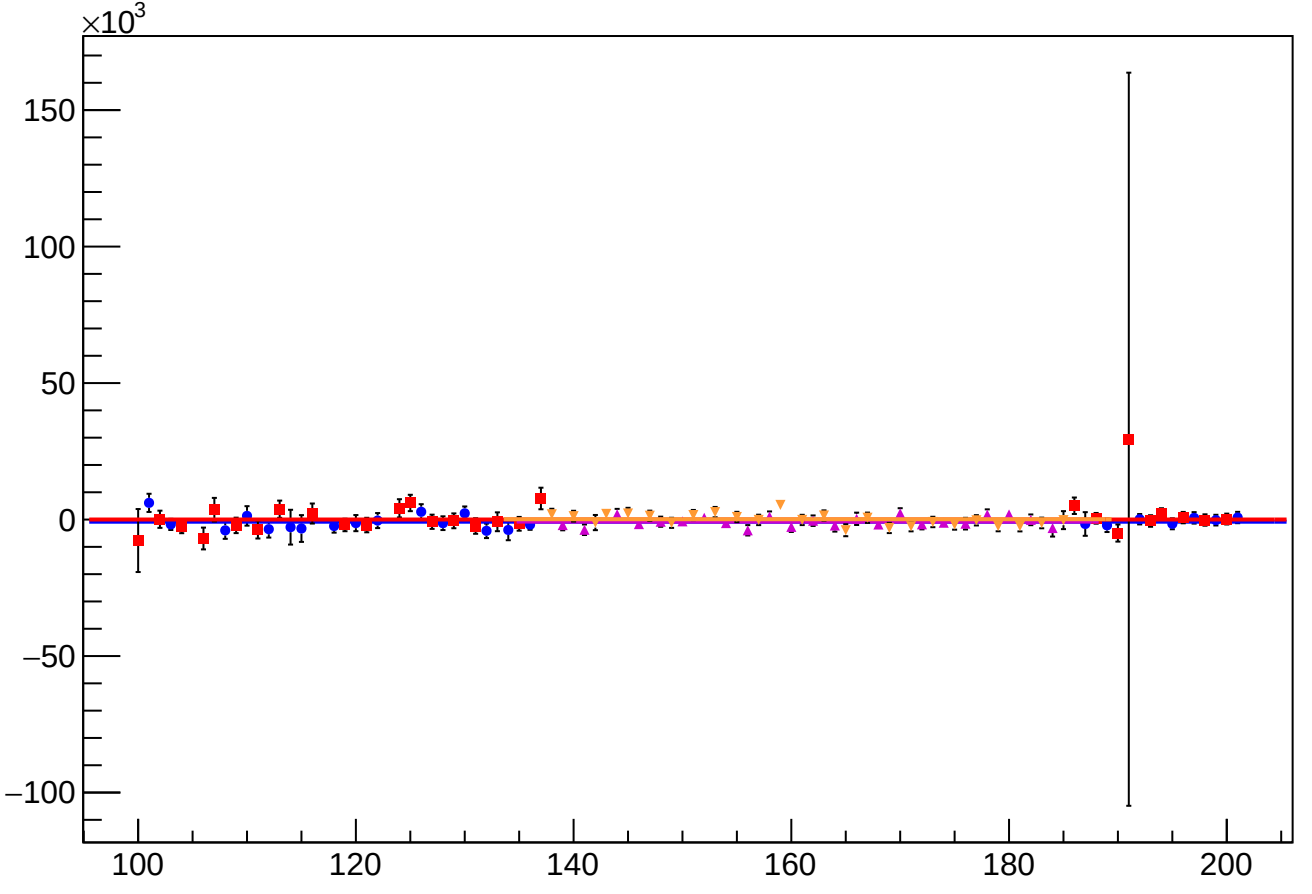
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1340.673+/-0.330 χ^2/NDF: 34444534.6/50

In: 4160.253+/-0.550 χ^2/NDF:3719030.1/45

Out: 1591.731+/-0.311 χ^2/NDF:38537694.9/52

All: 2213.526+/-0.271 χ^2/NDF: 58762050.8/9



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: 19.574+/-518.915 χ^2/NDF: 28.0/27

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

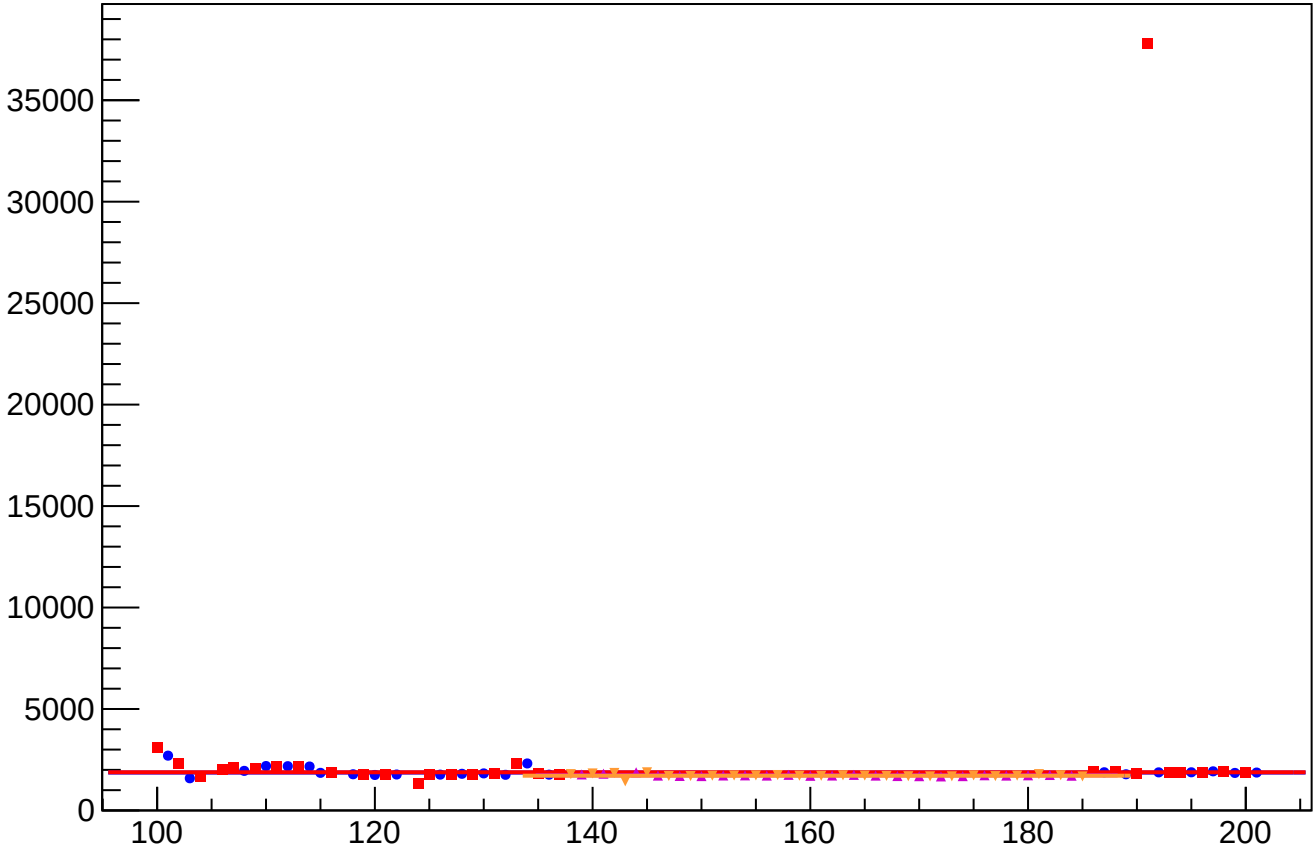
Right: -371.072+/-372.156 χ^2/NDF: 44.3/50

In: -757.073+/-322.271 χ^2/NDF:34.2/45

Out: 83.788+/-311.488 χ^2/NDF:57.7/52

All: -322.340+/-223.970 χ^2/NDF: 95.4/98

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: 1881.735+/-0.367 χ^2/NDF: 409310.1/27

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

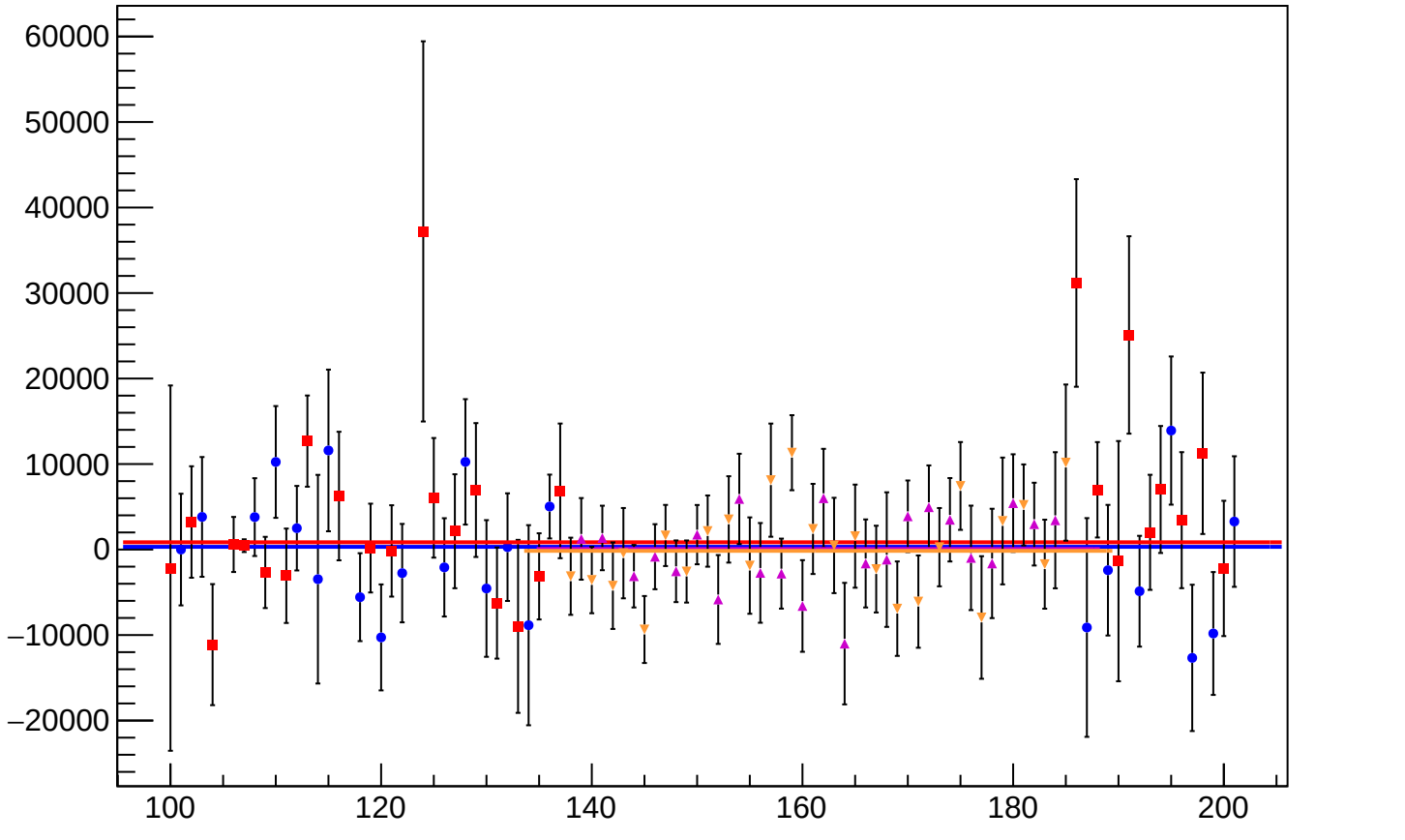
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1874.775+/-0.263 χ^2/NDF: 670678.8/50

In: 1780.255+/-0.228 χ^2/NDF:367463.0/45

Out: 1773.393+/-0.220 χ^2/NDF:640169.6/52

All: 1776.707+/-0.158 χ^2/NDF: 1008101.5/98



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: 848.695+/-640.080 χ^2/NDF: 31.3/27

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

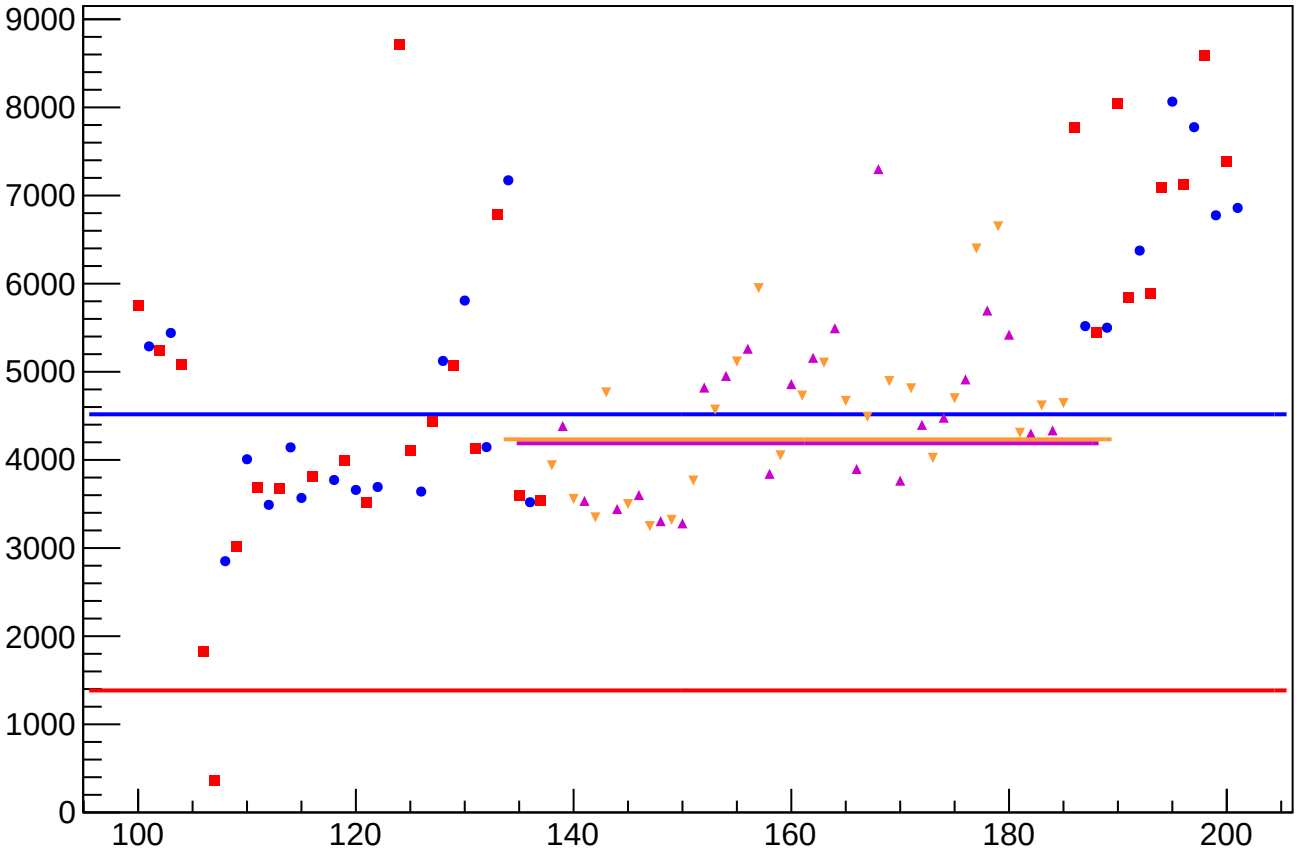
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 750.916+/-578.445 χ^2/NDF: 53.6/50

In: 153.711+/-803.830 χ^2/NDF:36.2/45

Out: 552.125+/-536.710 χ^2/NDF:58.9/52

All: 429.275+/-446.359 χ^2/NDF: 95.3/98



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: 1384.492+/-0.453 χ^2/NDF: 17795097.0/27

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

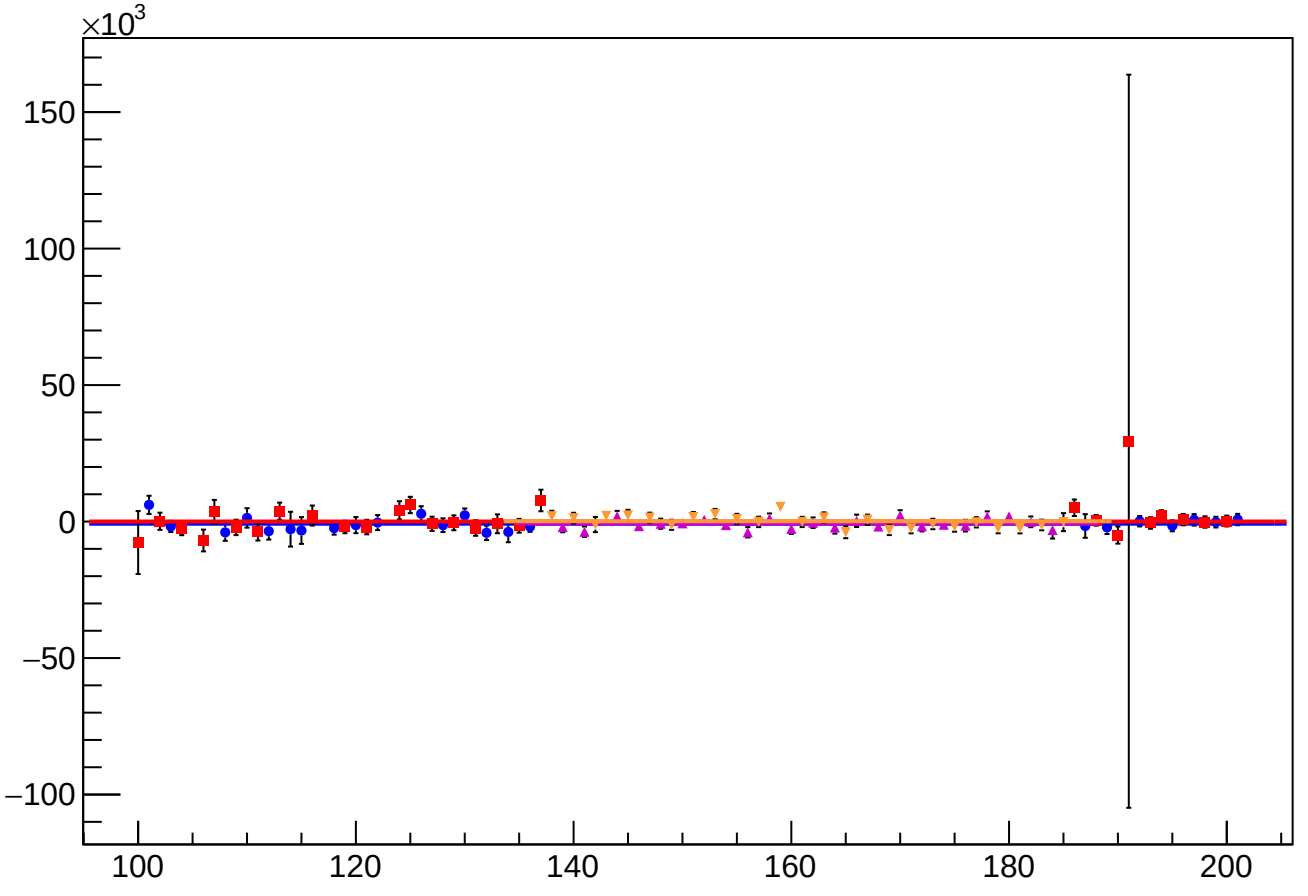
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1958.856+/-0.409 χ^2/NDF: 28738695.8/50

In: 4305.288+/-0.568 χ^2/NDF:3579733.0/45

Out: 2230.505+/-0.380 χ^2/NDF:30847662.3/52

All: 2870.259+/-0.316 χ^2/NDF: 43643246.2/9



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: 19.571+/-518.915 χ^2/NDF: 28.0/27

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

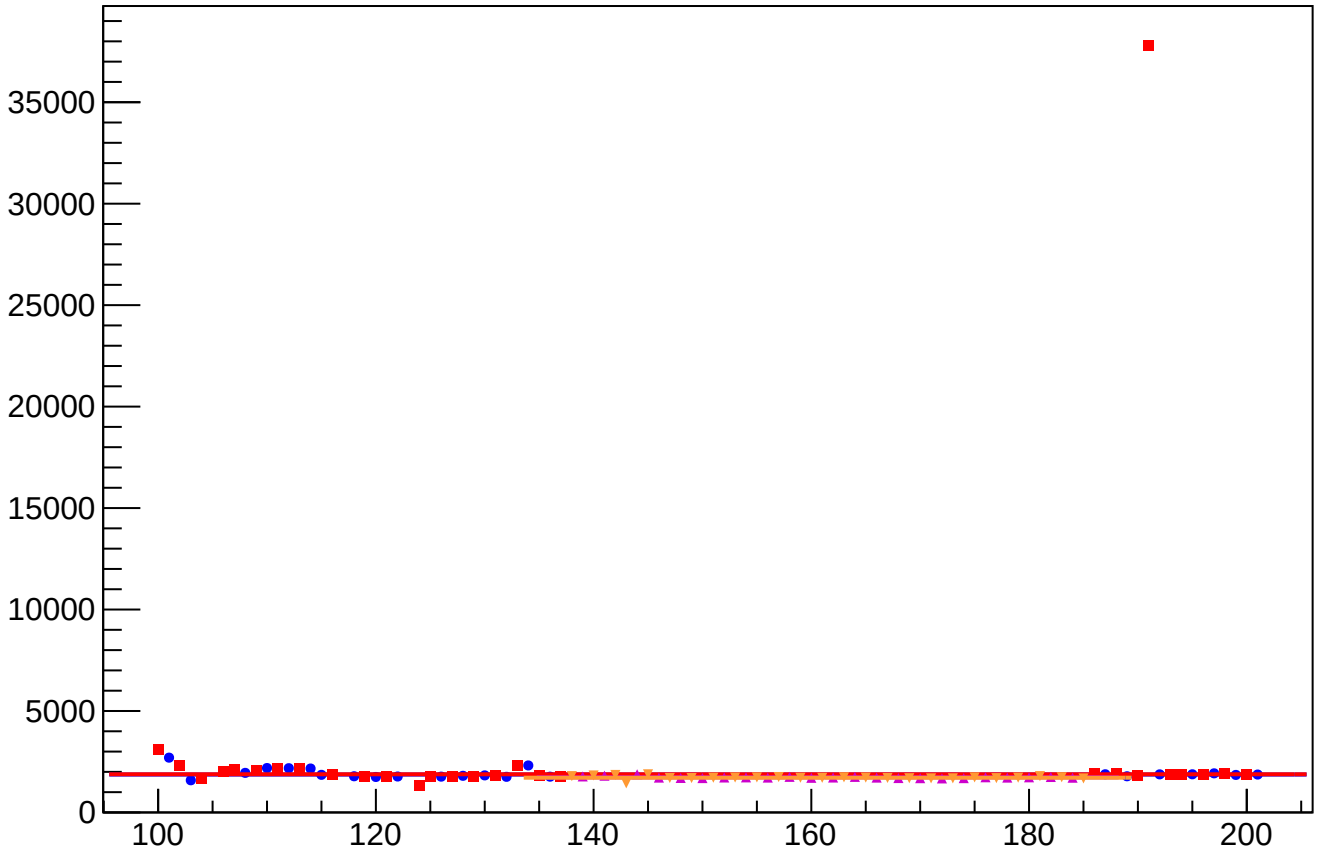
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -371.075+/-372.156 χ^2/NDF: 44.3/50

In: -757.073+/-322.271 χ^2/NDF:34.2/45

Out: 83.789+/-311.488 χ^2/NDF:57.7/52

All: -322.340+/-223.970 χ^2/NDF: 95.4/98



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: 1881.735+/-0.367 χ^2/NDF: 409310.5/27

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

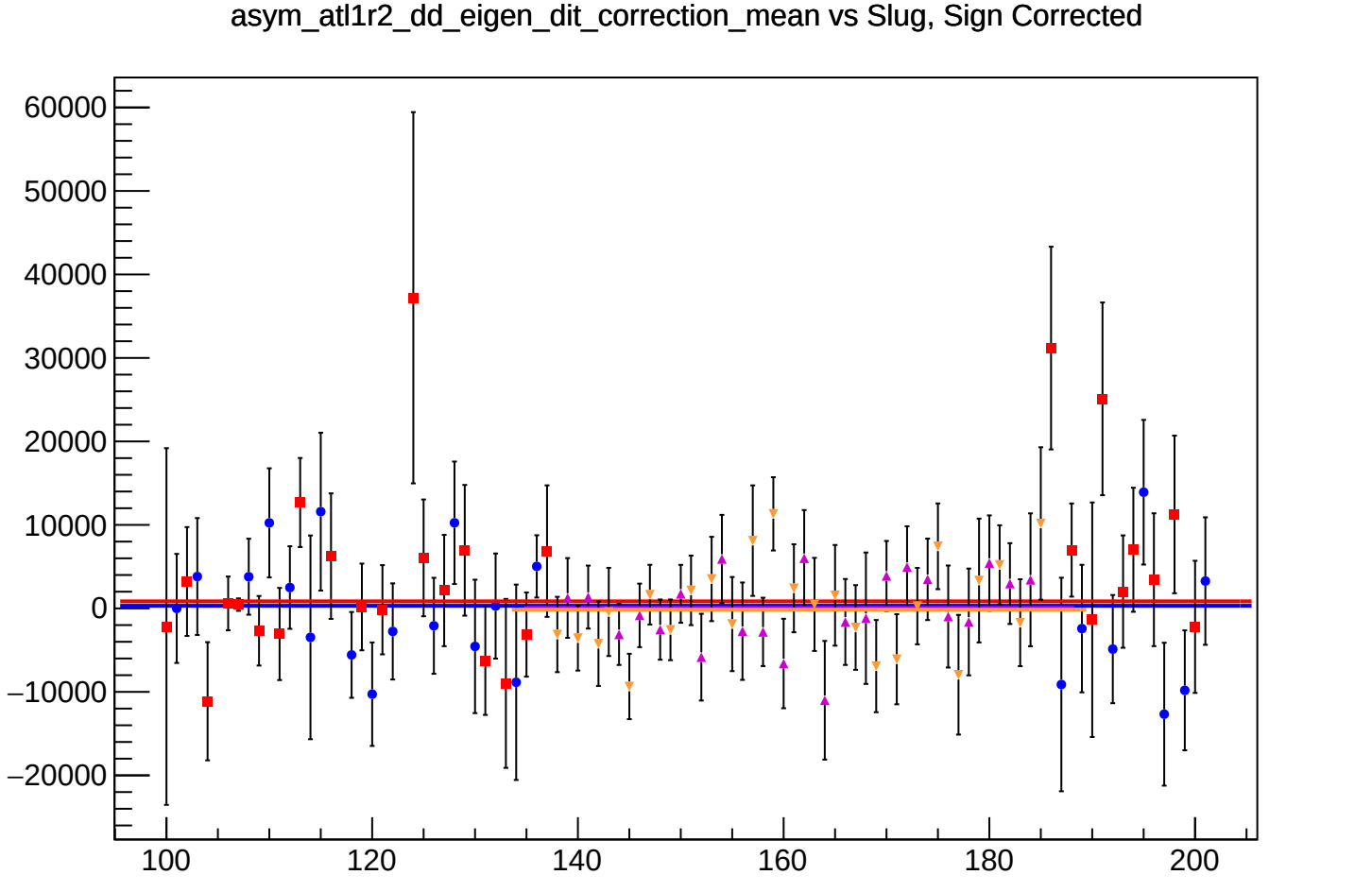
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1874.776+/-0.263 χ^2/NDF: 670679.1/50

In: 1780.255+/-0.228 χ^2/NDF:367462.1/45

Out: 1773.393+/-0.220 χ^2/NDF:640168.2/52

All: 1776.707+/-0.158 χ^2/NDF: 1008099.2/98



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: 848.713+/-640.090 χ^2/NDF: 31.3/27

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

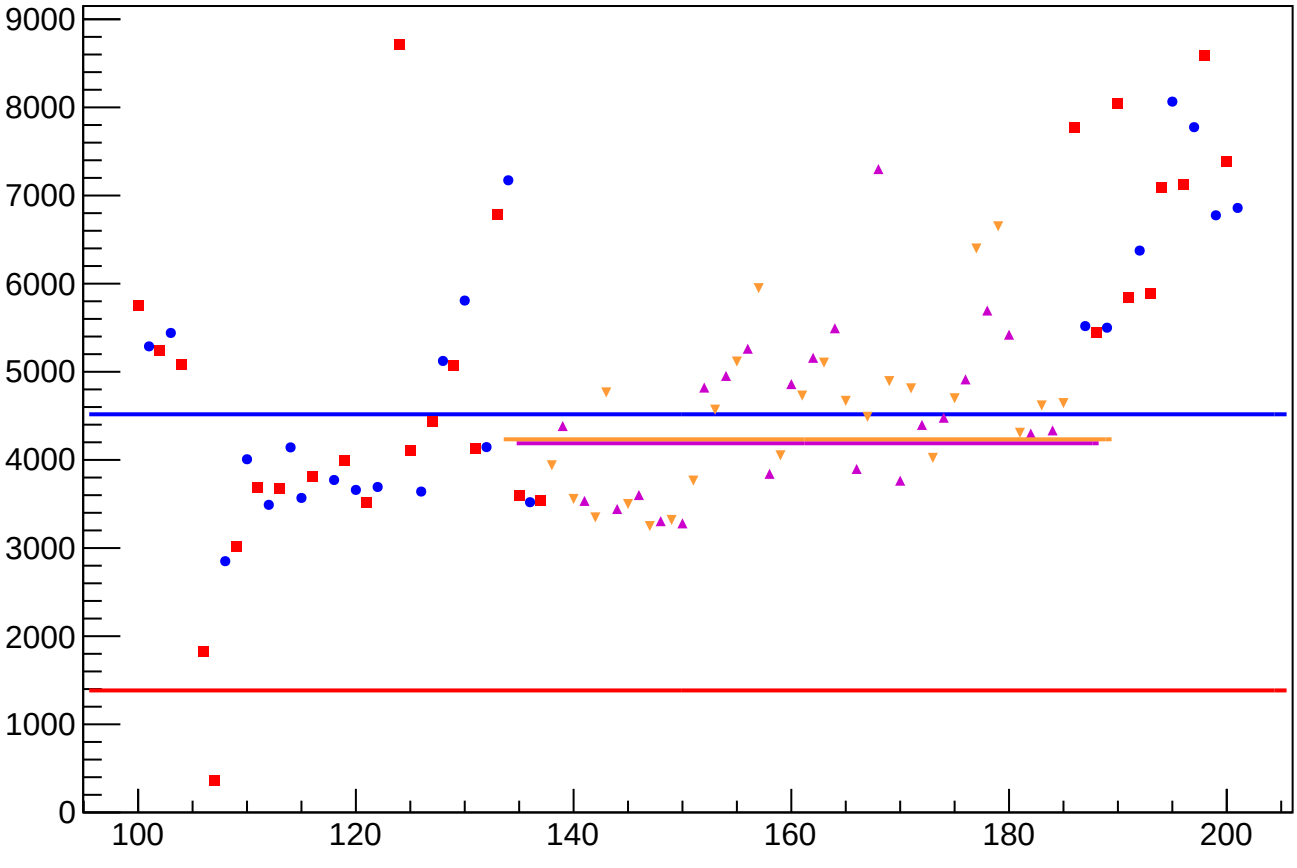
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 750.925+/-578.452 χ^2/NDF: 53.6/50

In: 153.708+/-803.830 χ^2/NDF:36.2/45

Out: 552.131+/-536.717 χ^2/NDF:58.9/52

All: 429.277+/-446.362 χ^2/NDF: 95.3/98



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: 1384.530+/-0.453 χ^2/NDF: 17794868.7/27

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

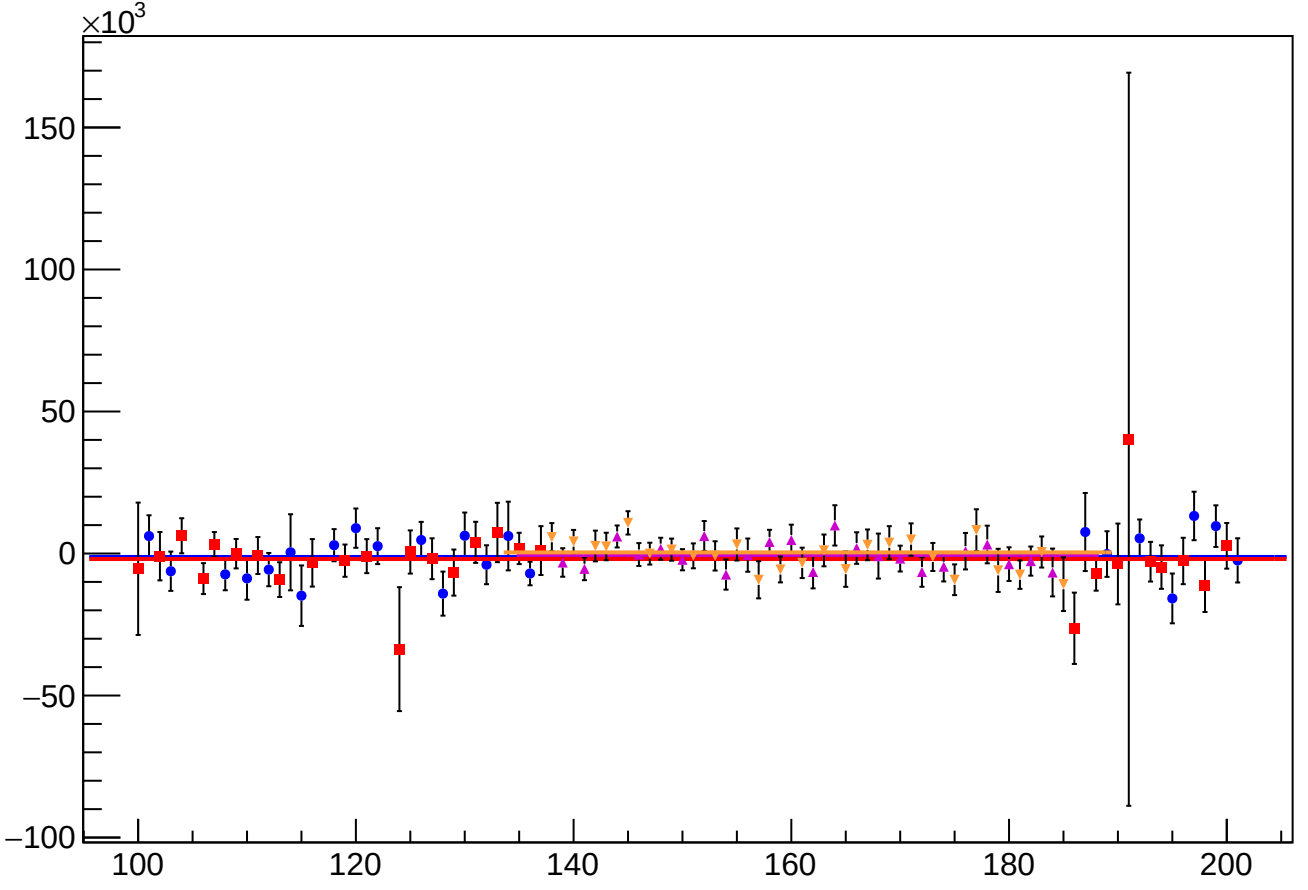
Right: 1958.902+/-0.409 χ^2/NDF: 28738195.8/50

In: 4305.290+/-0.568 χ^2/NDF:3579743.9/45

Out: 2230.551+/-0.380 χ^2/NDF:30847034.8/52

All: 2870.301+/-0.316 χ^2/NDF: 43642172.2/9

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: -1937.966+/-1364.008 χ^2/NDF: 17.2/27

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

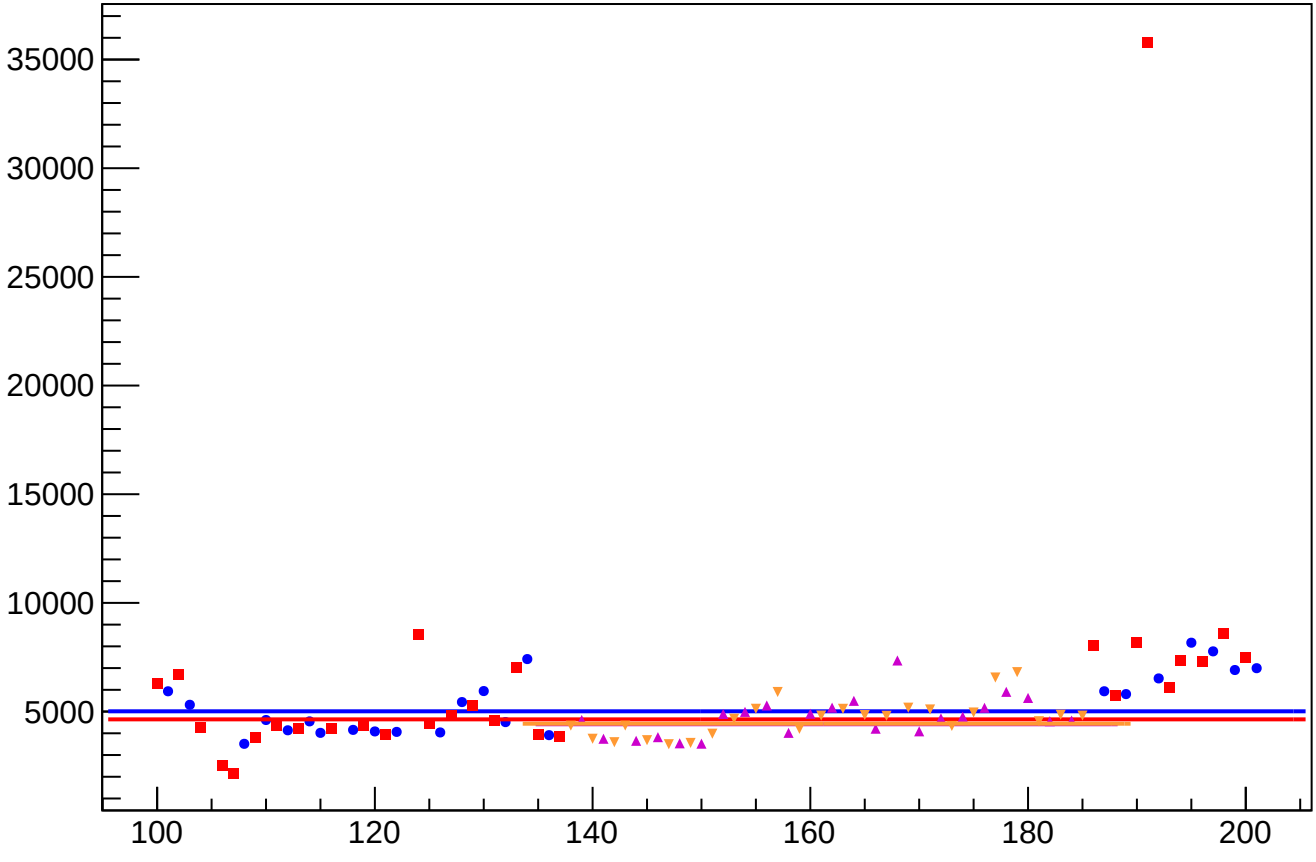
Right: -1604.156+/-1002.406 χ^2/NDF: 42.6/50

In: -740.752+/-855.827 χ^2/NDF:42.8/45

Out: -448.435+/-821.175 χ^2/NDF:43.8/52

All: -588.556+/-592.530 χ^2/NDF: 86.6/98

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: 4640.940+/-0.957 χ^2/NDF: 3131284.4/27

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

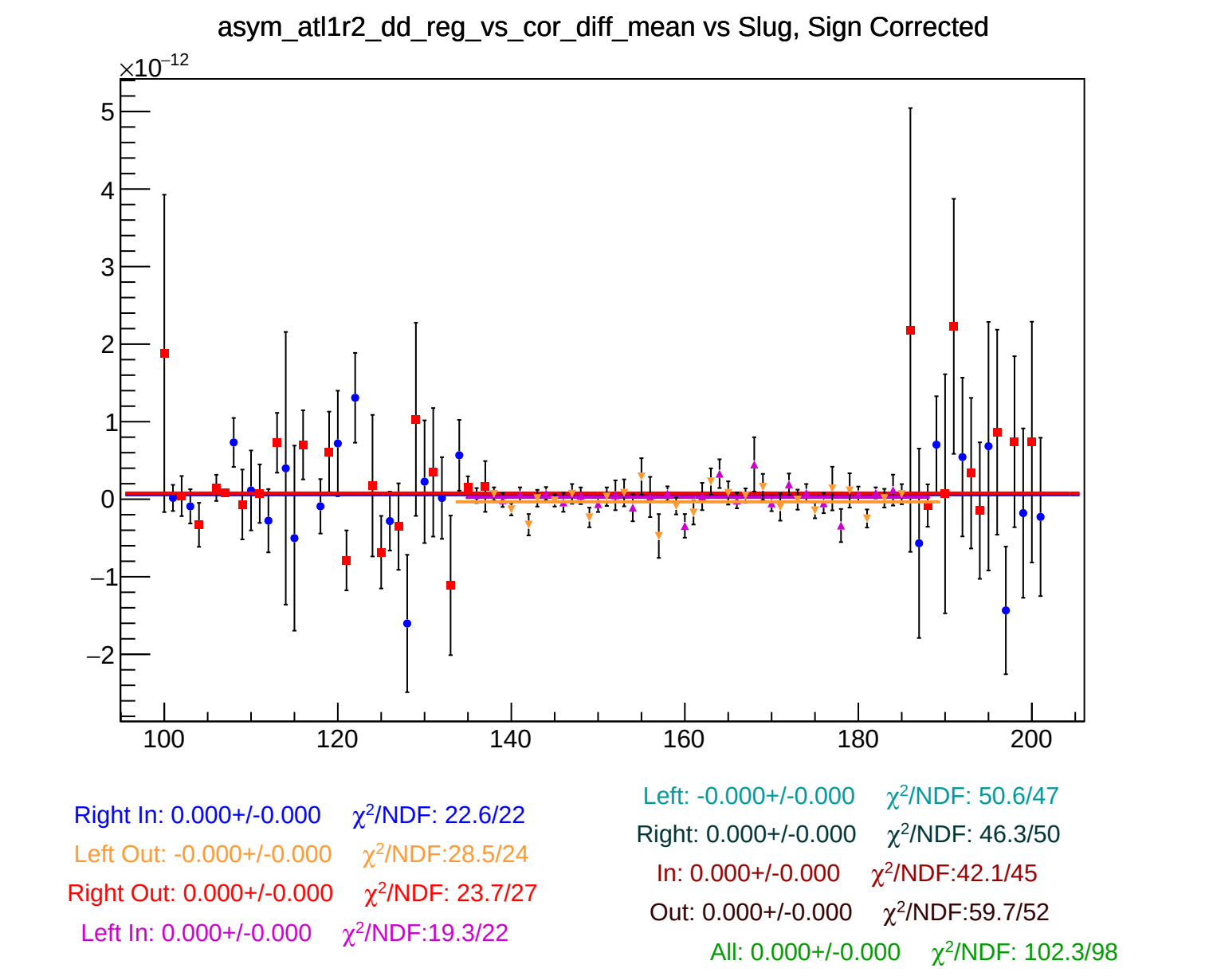
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

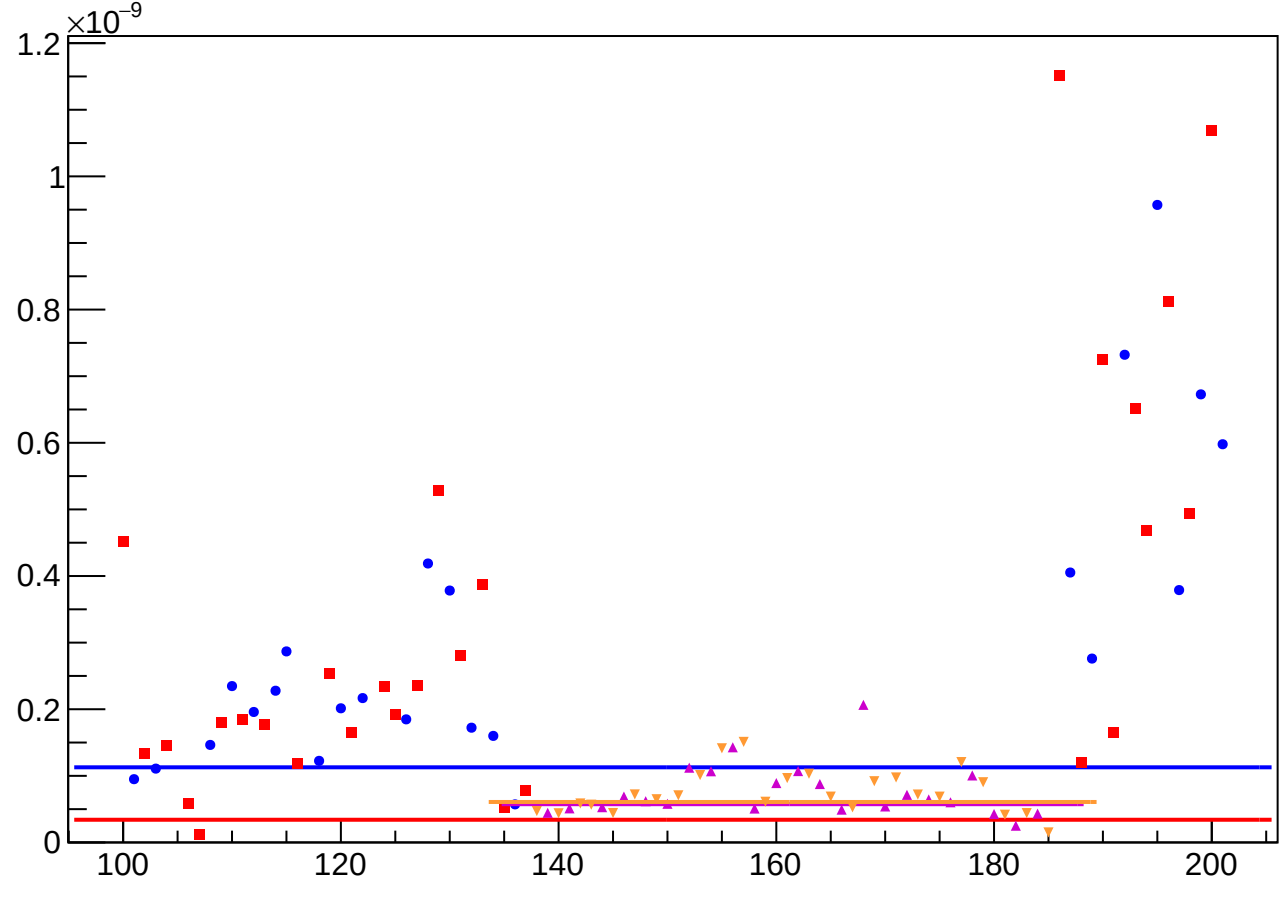
Right: 4809.904+/-0.706 χ^2/NDF: 4747413.0/50

In: 4615.195+/-0.605 χ^2/NDF:2875396.0/45

Out: 4514.065+/-0.579 χ^2/NDF:4232125.8/52

All: 4562.398+/-0.418 χ^2/NDF: 7122101.3/98


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−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:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/27
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: 46.3/50
In: 0.000+/-0.000 χ²/NDF:42.1/45
Out: 0.000+/-0.000 χ²/NDF:59.7/52
All: 0.000+/-0.000 χ²/NDF: 102.3/98



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: 8540733.3/27

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

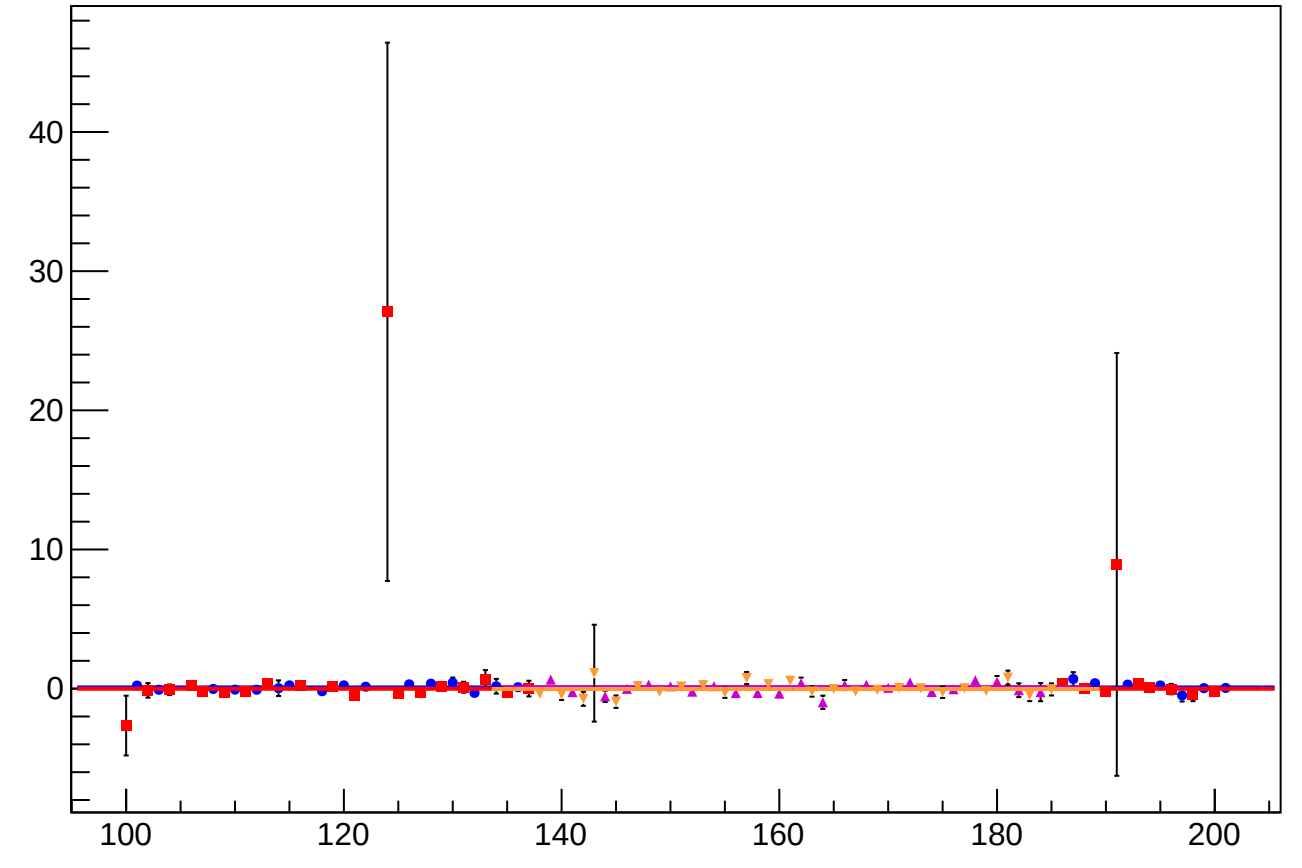
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15134427.5/50

In: 0.000+/-0.000 χ^2/NDF:7450470.2/45

Out: 0.000+/-0.000 χ^2/NDF:11105218.8/52

All: 0.000+/-0.000 χ^2/NDF: 18913090.4/98



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: -0.006+/-0.050 χ^2/NDF: 27.7/27

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

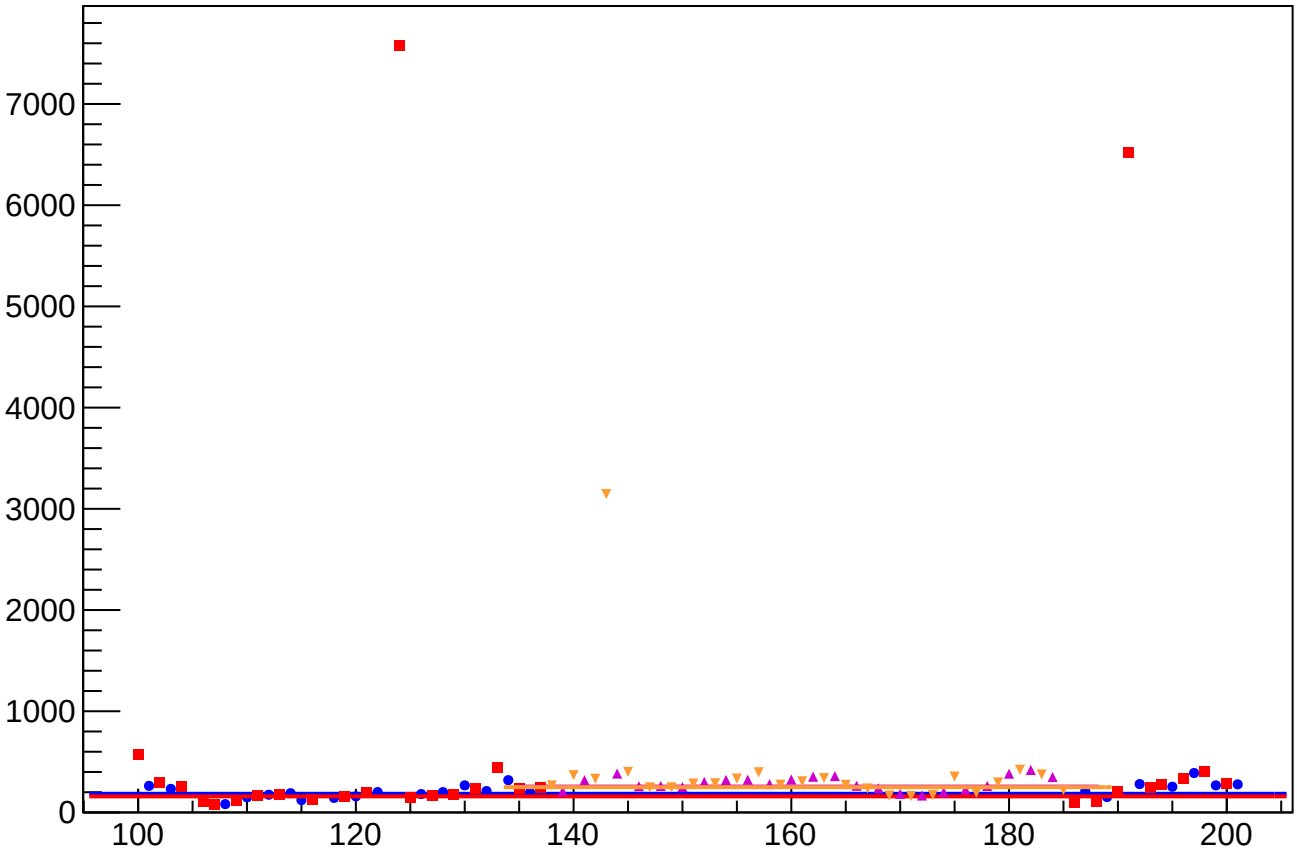
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.035+/-0.038 χ^2/NDF: 43.0/50

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/98



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: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

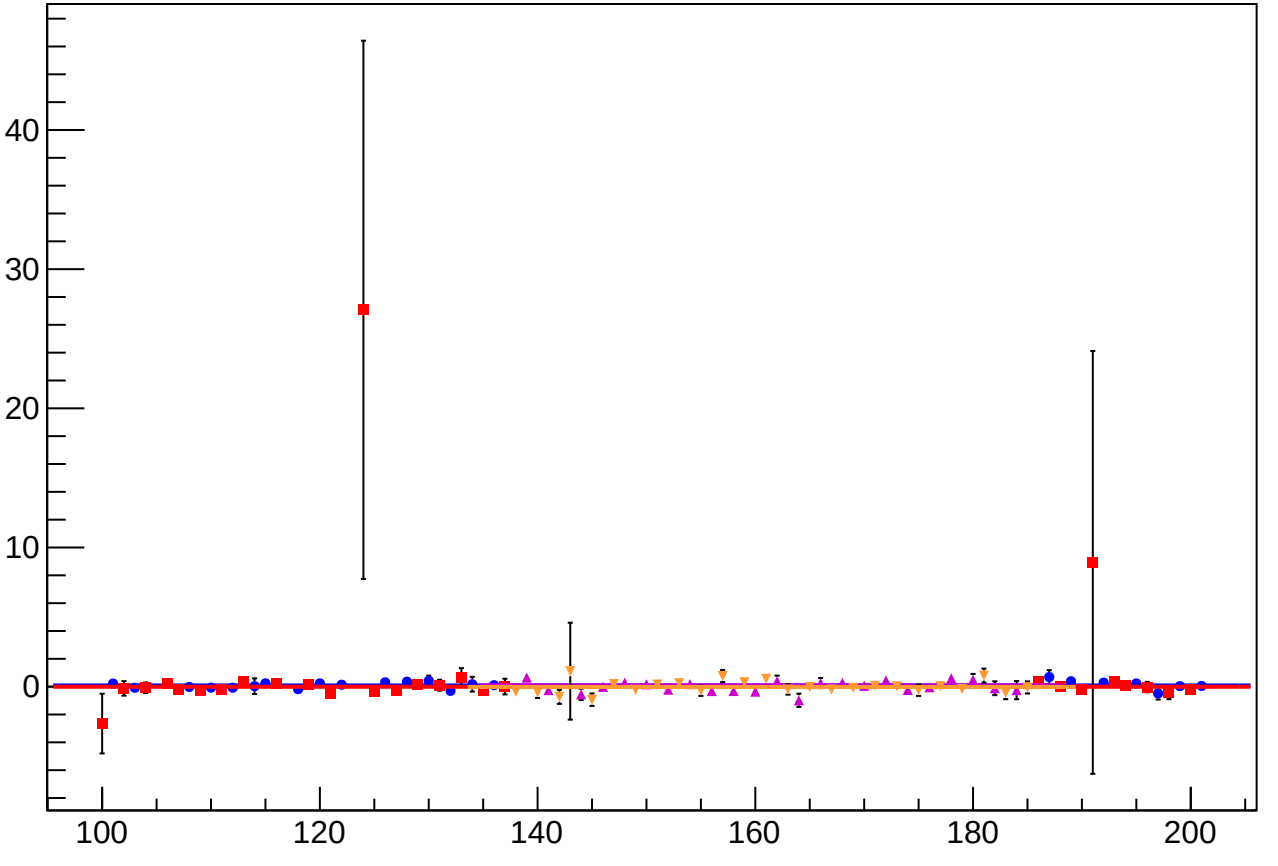
Right: 169.833+/-0.027 χ^2/NDF: 7800298.6/50

In: 216.501+/-0.030 χ^2/NDF:6298999.3/45

Out: 194.942+/-0.027 χ^2/NDF:11642607.2/52

All: 204.765+/-0.020 χ^2/NDF: 18222827.7/98

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: -0.006+/-0.050 χ^2/NDF: 27.7/27

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

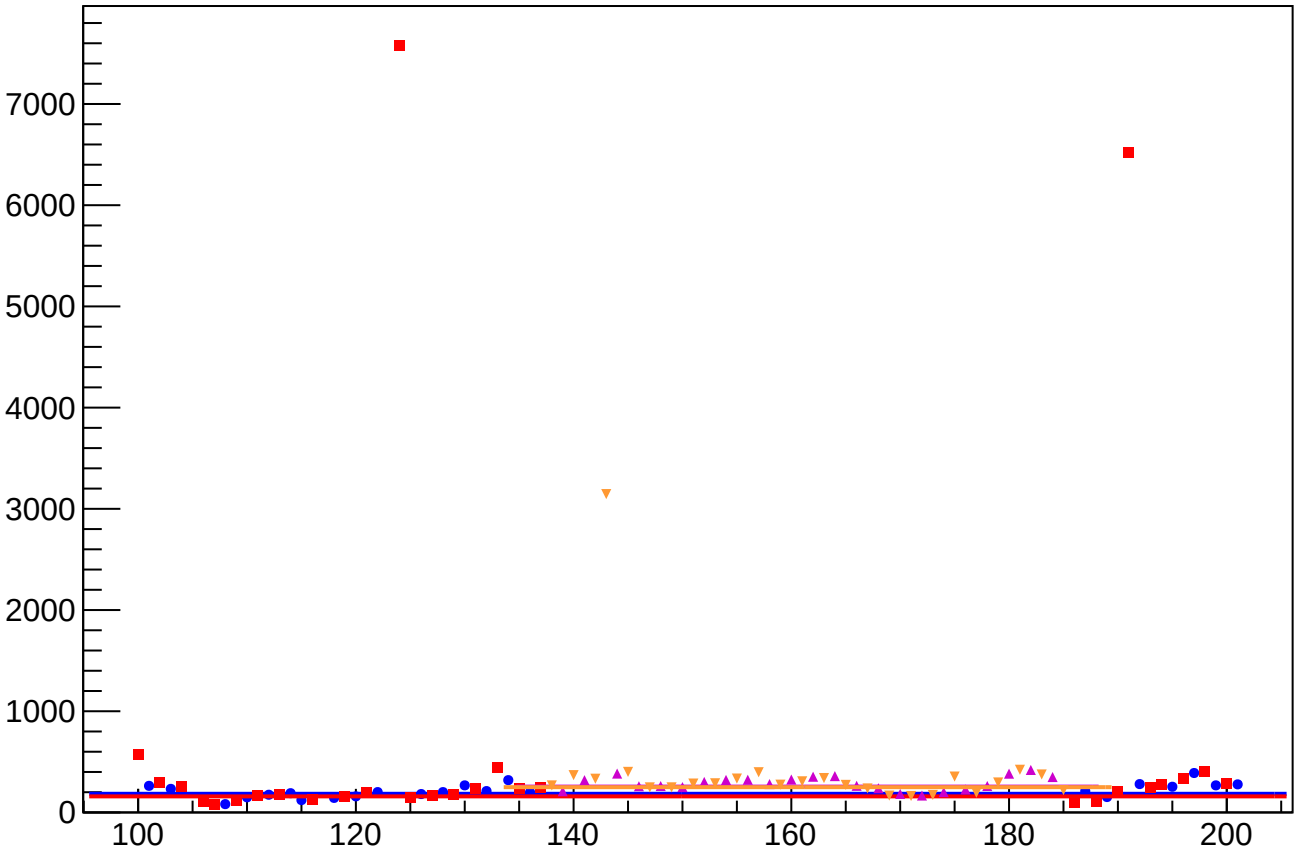
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.035+/-0.038 χ^2/NDF: 43.0/50

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/98



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: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

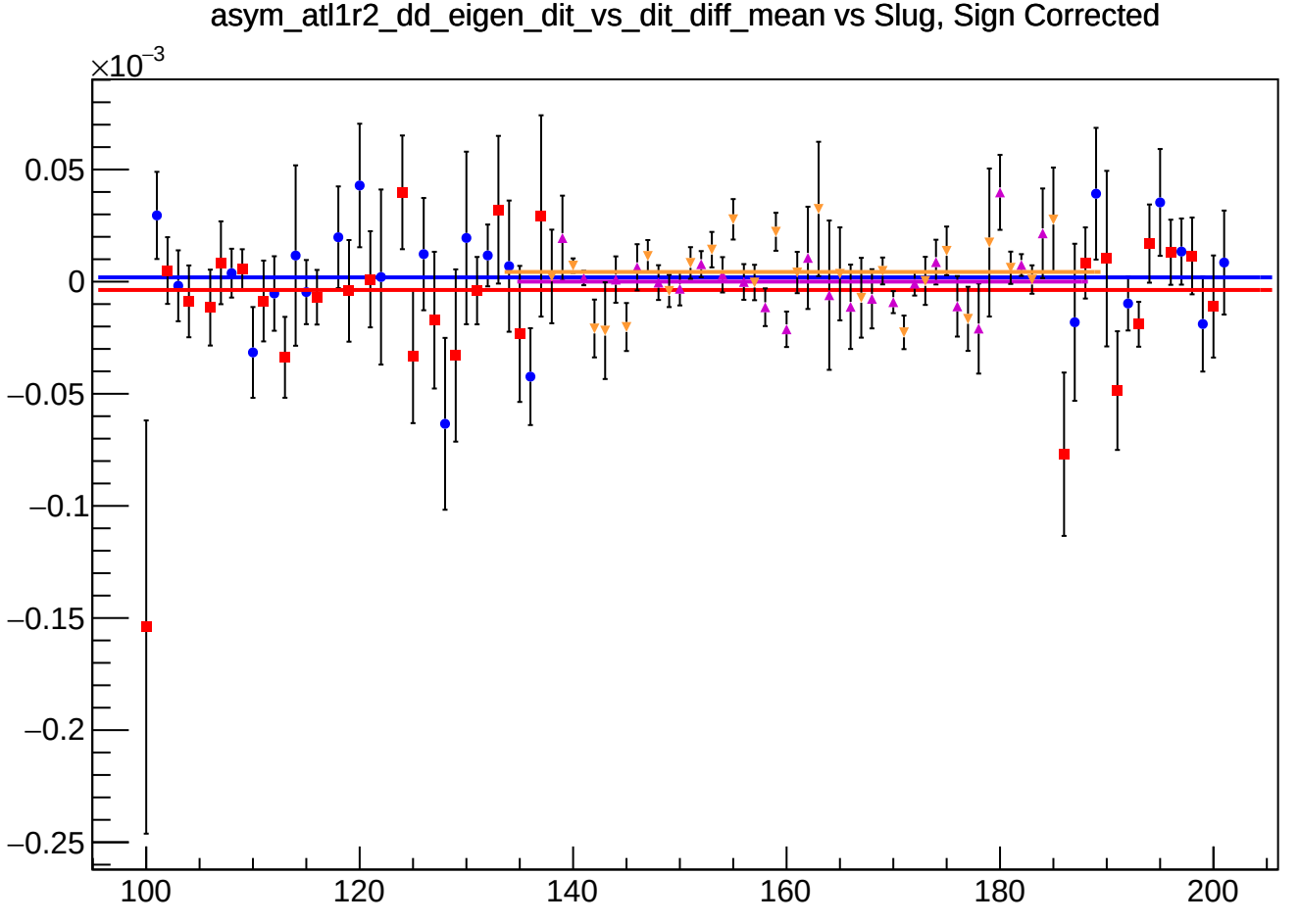
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 169.833+/-0.027 χ^2/NDF: 7800298.6/50

In: 216.501+/-0.030 χ^2/NDF:6298999.3/45

Out: 194.942+/-0.027 χ^2/NDF:11642607.2/52

All: 204.765+/-0.020 χ^2/NDF: 18222827.7/98



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: 28.2/27

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

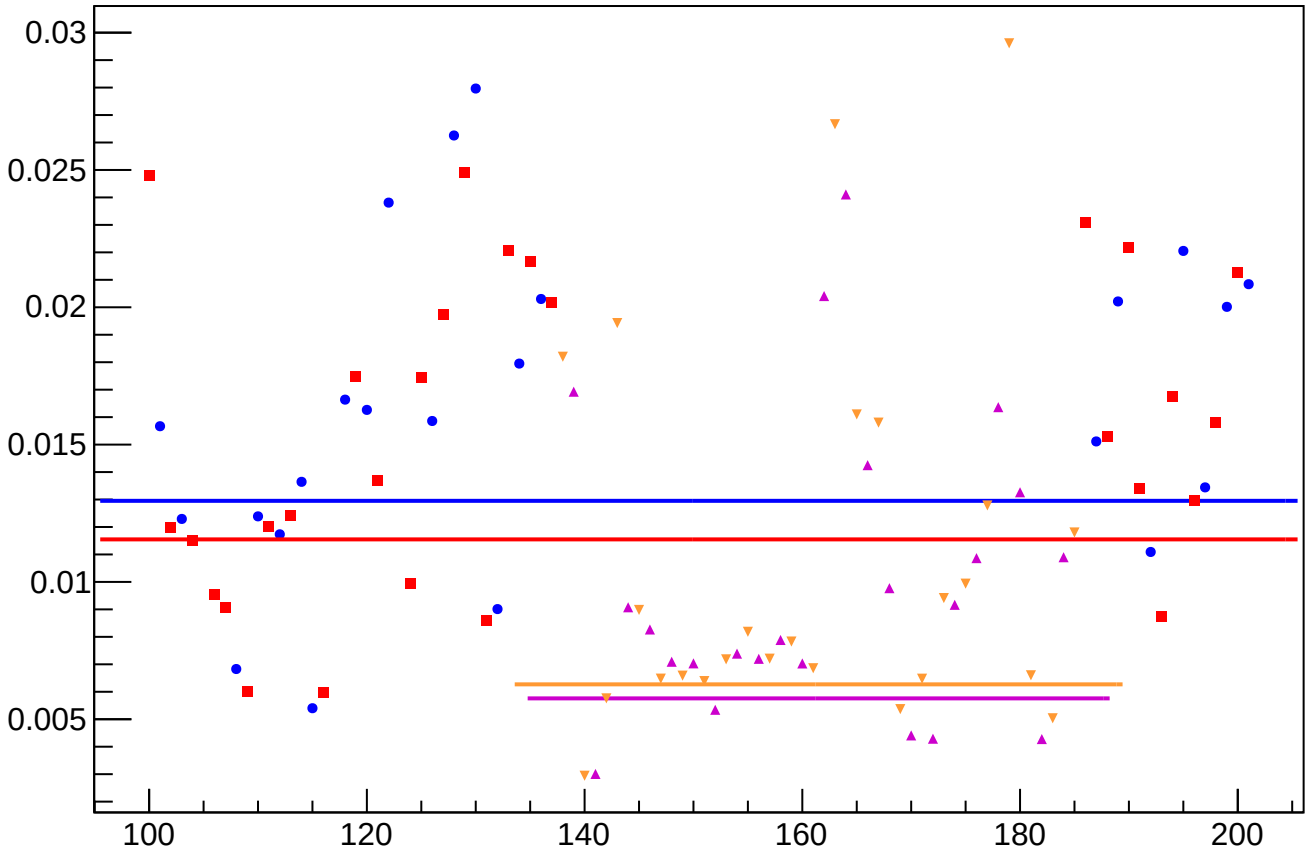
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.0/50

In: 0.000+/-0.000 χ^2/NDF:51.9/45

Out: 0.000+/-0.000 χ^2/NDF:78.7/52

All: 0.000+/-0.000 χ^2/NDF: 132.1/98



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: 3805220.3/27

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

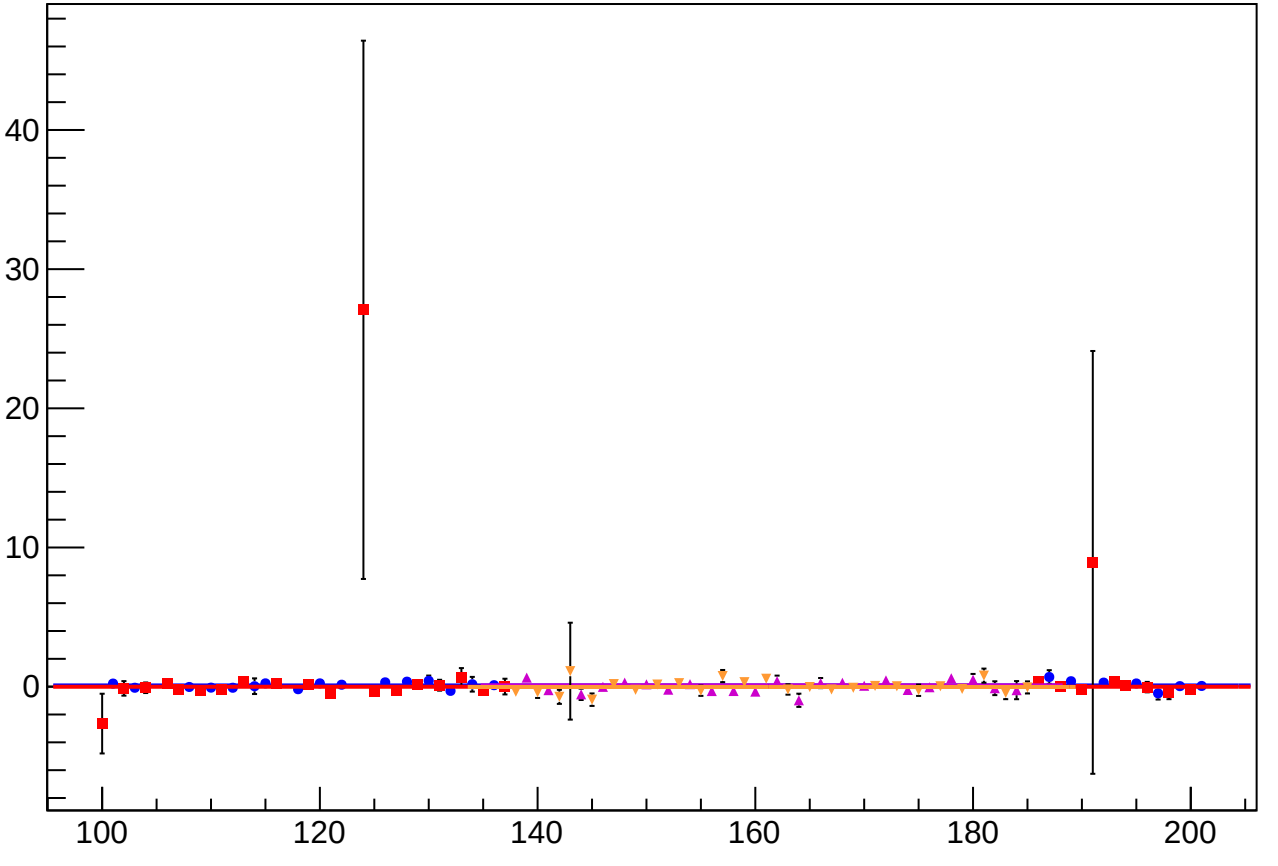
Right: 0.012+/-0.000 χ^2/NDF: 7379058.7/50

In: 0.007+/-0.000 χ^2/NDF:16024513.1/45

Out: 0.007+/-0.000 χ^2/NDF:15591320.8/52

All: 0.007+/-0.000 χ^2/NDF: 31756374.5/98

asym_atl1r2_dd_eigen_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: -0.006+/-0.050 χ^2/NDF: 27.7/27

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

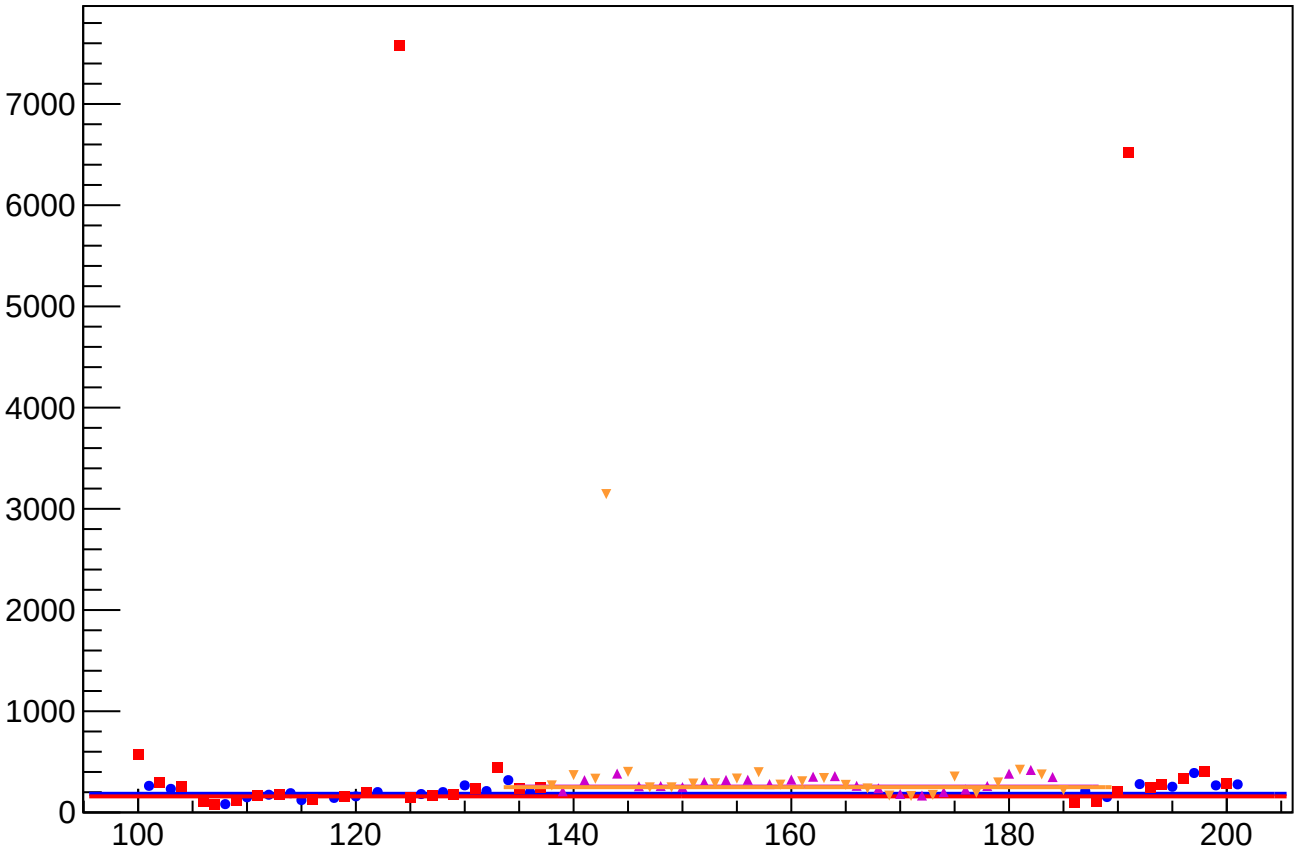
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.035+/-0.038 χ^2/NDF: 43.0/50

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/98



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: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

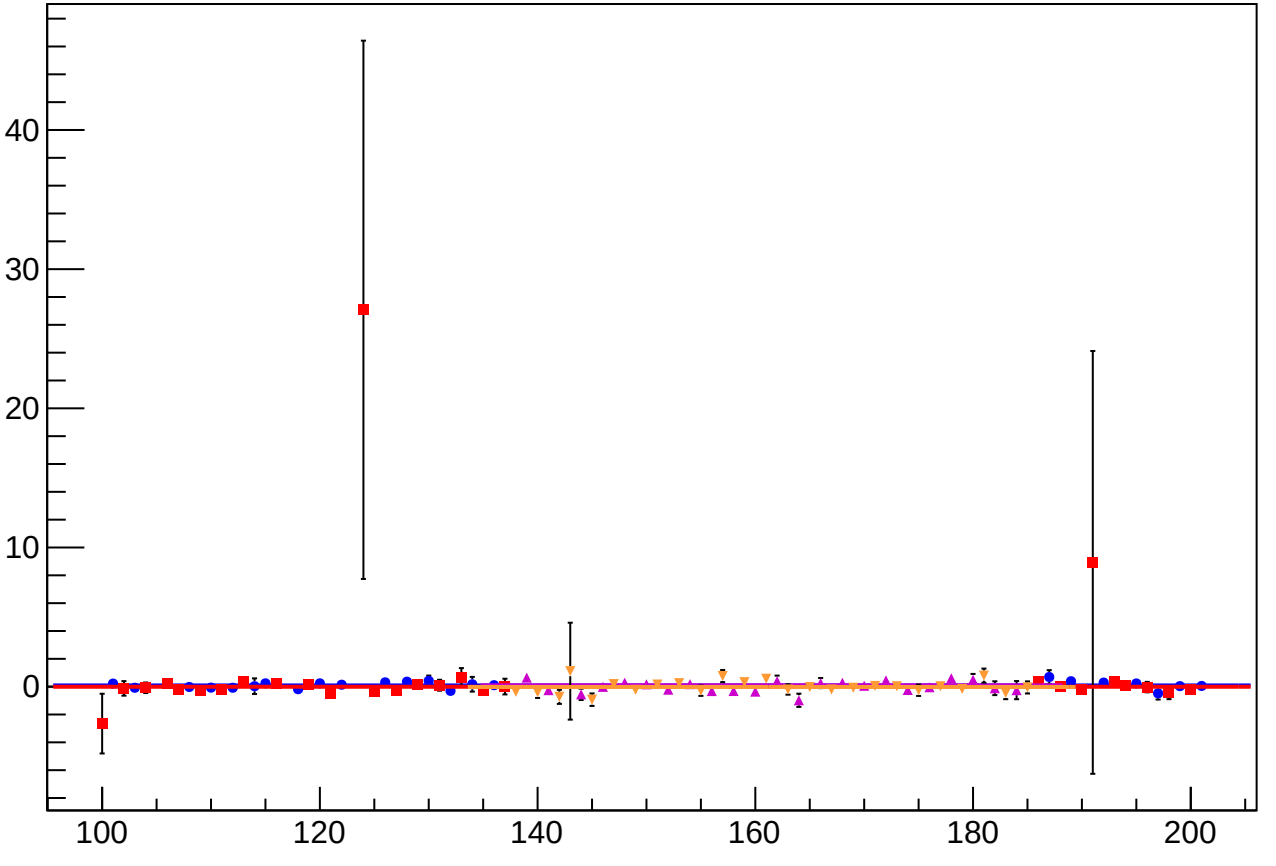
Right: 169.833+/-0.027 χ^2/NDF: 7800155.4/50

In: 216.500+/-0.030 χ^2/NDF:6299253.1/45

Out: 194.944+/-0.027 χ^2/NDF:11642494.6/52

All: 204.766+/-0.020 χ^2/NDF: 18222892.7/98

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: -0.006+/-0.050 χ^2/NDF: 27.7/27

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

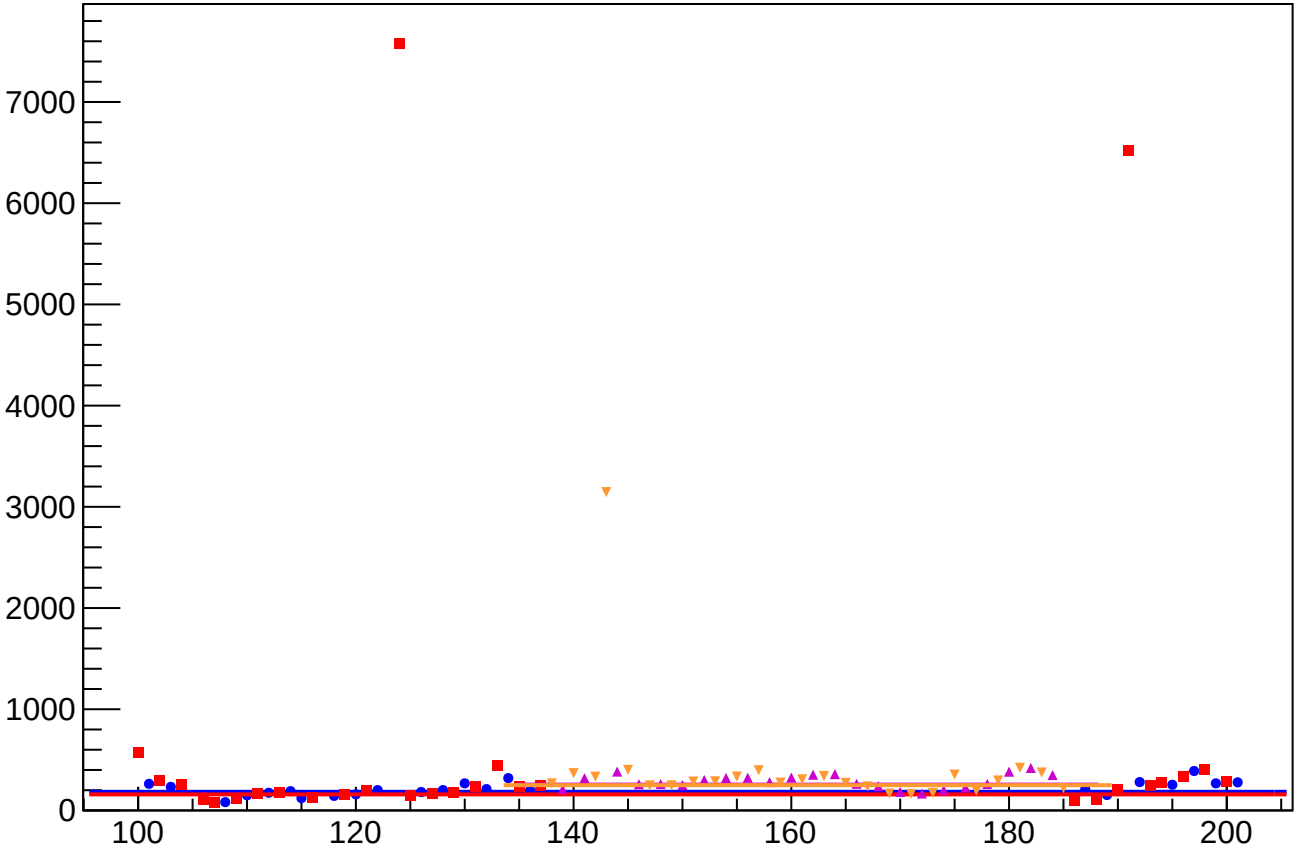
Right: 0.035+/-0.038 χ^2/NDF: 43.0/50

In: 0.092+/-0.042 χ^2/NDF:45.3/45

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/98

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: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

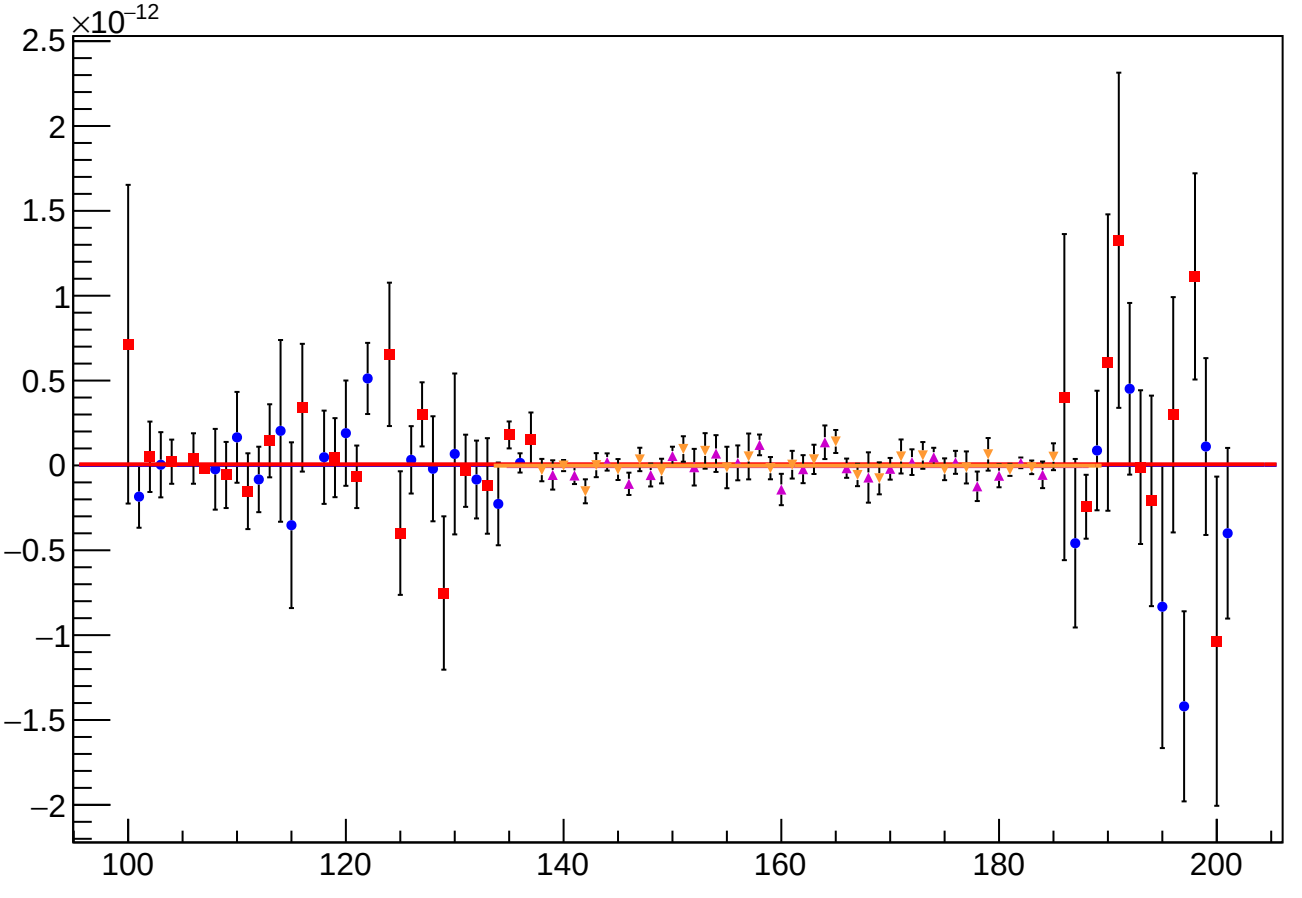
Right: 169.833+/-0.027 χ^2/NDF: 7800155.4/50

In: 216.500+/-0.030 χ^2/NDF:6299253.1/45

Out: 194.944+/-0.027 χ^2/NDF:11642494.6/52

All: 204.766+/-0.020 χ^2/NDF: 18222892.7/98

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: 27.3/27

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

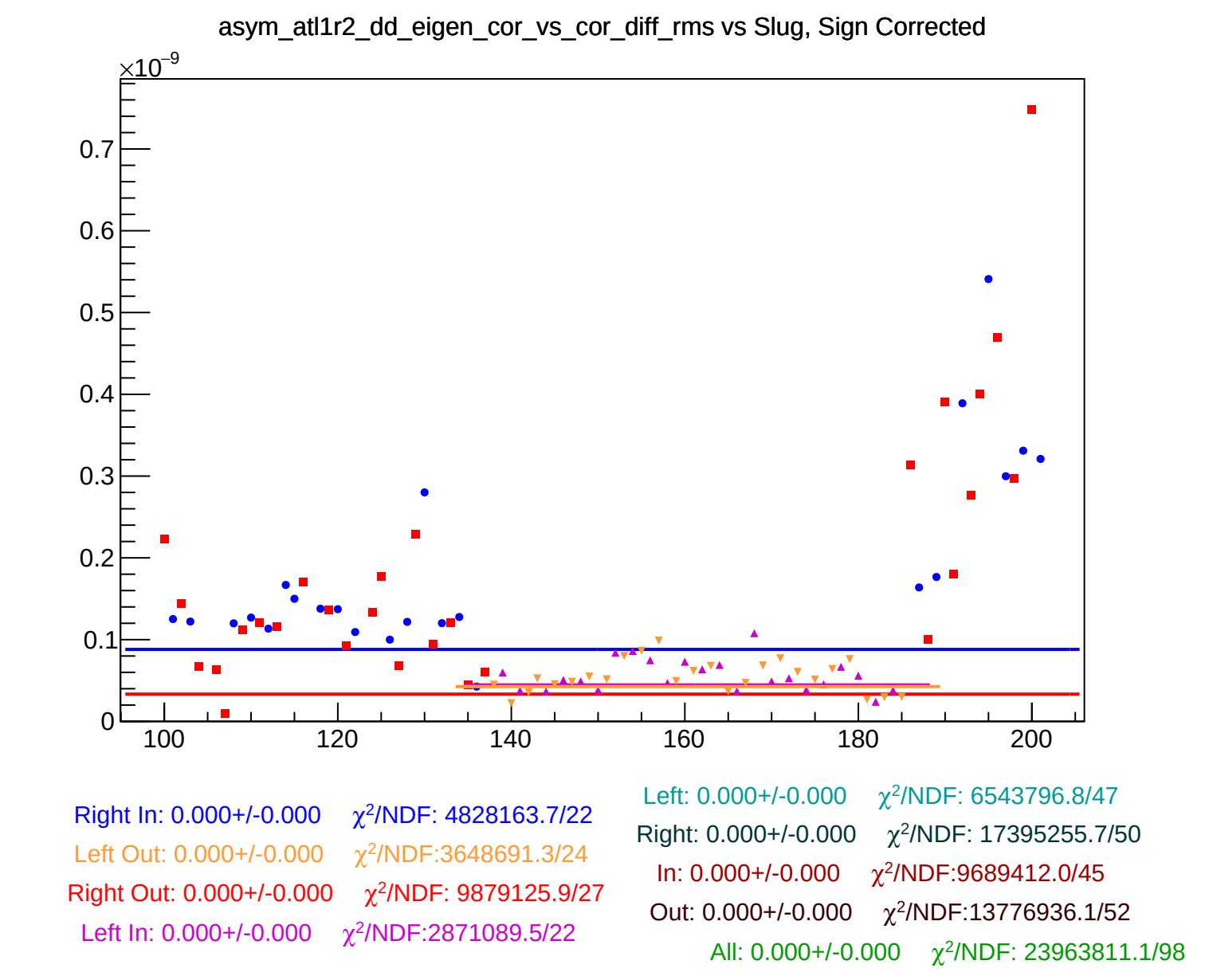
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

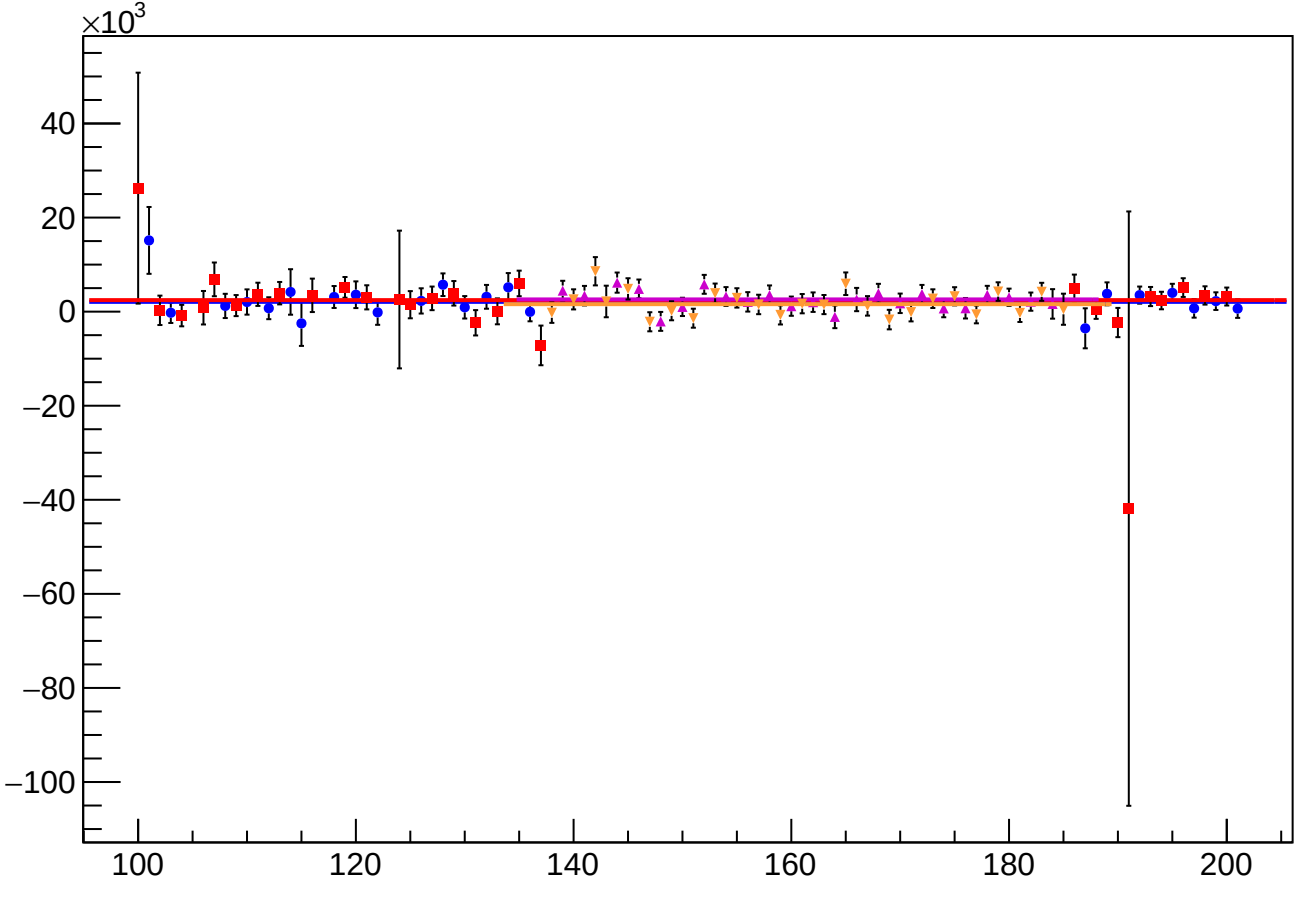
Right: 0.000+/-0.000 χ^2/NDF: 46.9/50

In: -0.000+/-0.000 χ^2/NDF:39.4/45

Out: 0.000+/-0.000 χ^2/NDF:43.8/52

All: -0.000+/-0.000 χ^2/NDF: 83.3/98


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4828163.7/22
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9879125.9/27
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 17395255.7/50
In: 0.000+/-0.000 χ²/NDF:9689412.0/45
Out: 0.000+/-0.000 χ²/NDF:13776936.1/52
All: 0.000+/-0.000 χ²/NDF: 23963811.1/98



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: 2448.878+/-492.547 χ^2/NDF: 26.0/27

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

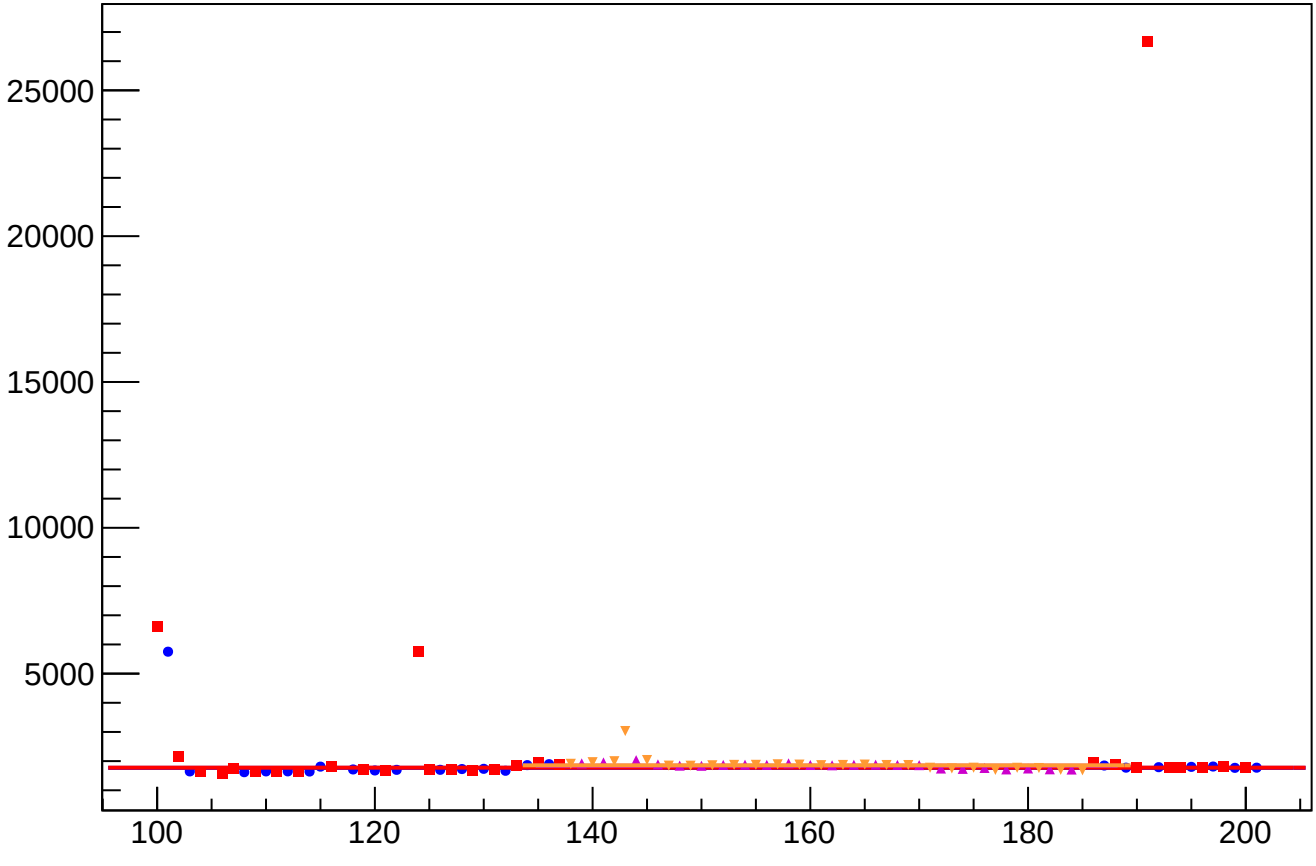
Right: 2273.219+/-354.469 χ^2/NDF: 43.3/50

In: 2384.574+/-329.017 χ^2/NDF:37.7/45

Out: 1956.284+/-321.033 χ^2/NDF:59.0/52

All: 2165.169+/-229.775 χ^2/NDF: 97.6/98

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: 1775.144+/-0.347 χ^2/NDF: 639270.1/27

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

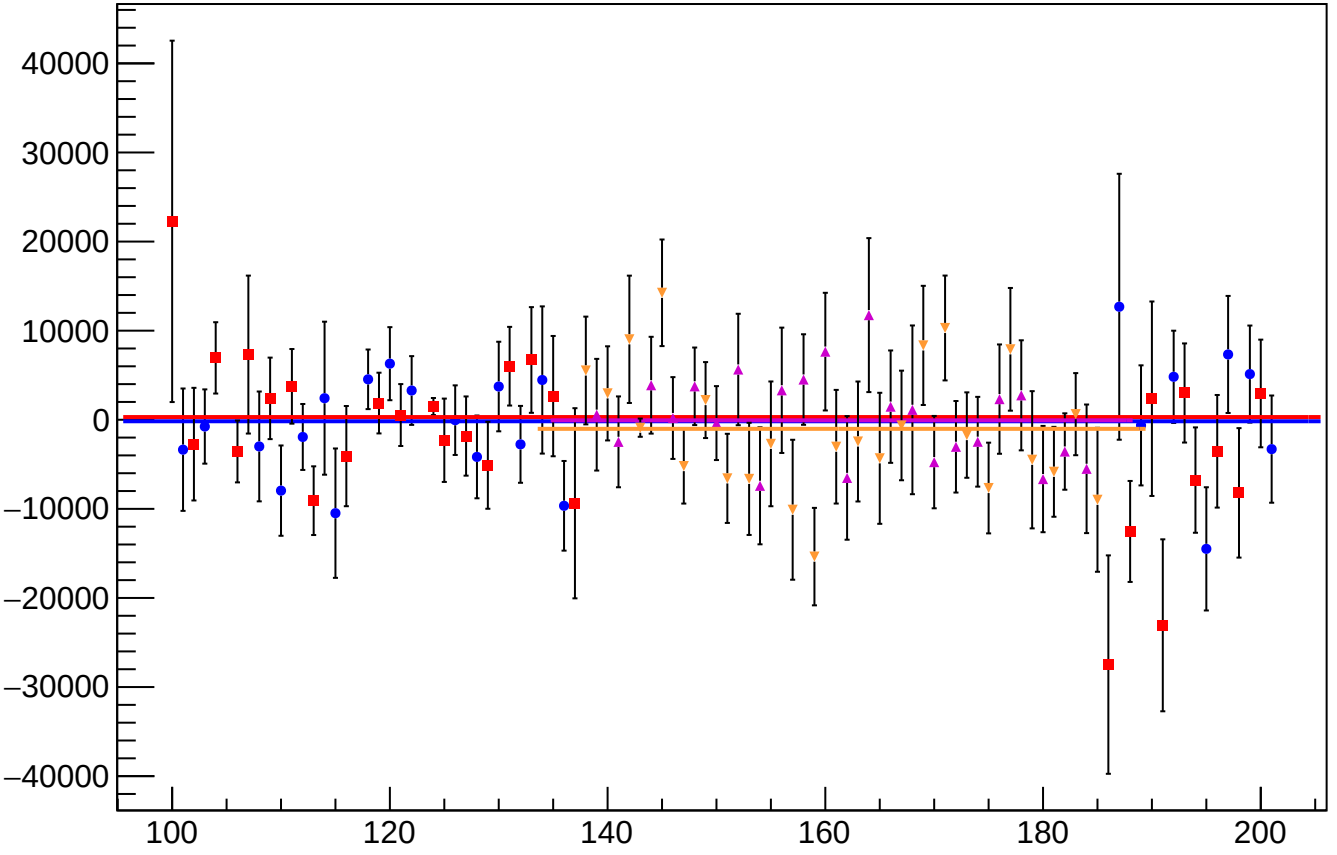
Right: 1771.681+/-0.250 χ^2/NDF: 1314196.8/50

In: 1810.640+/-0.233 χ^2/NDF:769647.2/45

Out: 1821.234+/-0.227 χ^2/NDF:994348.4/52

All: 1816.076+/-0.162 χ^2/NDF: 1765059.6/98

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: 303.326+/-692.071 χ^2/NDF: 40.5/27

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

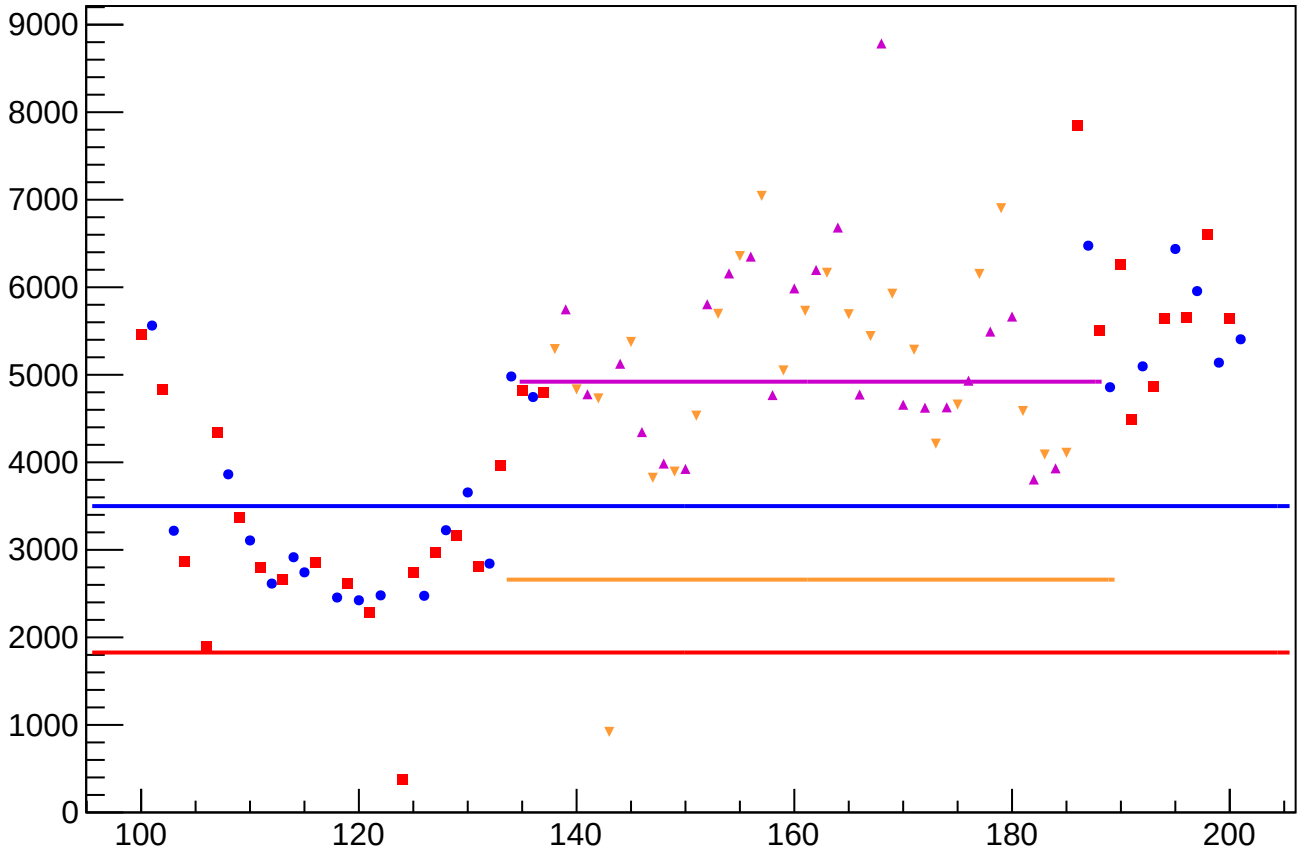
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 161.949+/-579.081 χ^2/NDF: 65.1/50

In: -120.733+/-785.553 χ^2/NDF:37.5/45

Out: -285.954+/-515.262 χ^2/NDF:75.9/52

All: -236.253+/-430.849 χ^2/NDF: 113.4/98



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: 1827.108+/-0.489 χ^2/NDF: 12967195.3/27

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

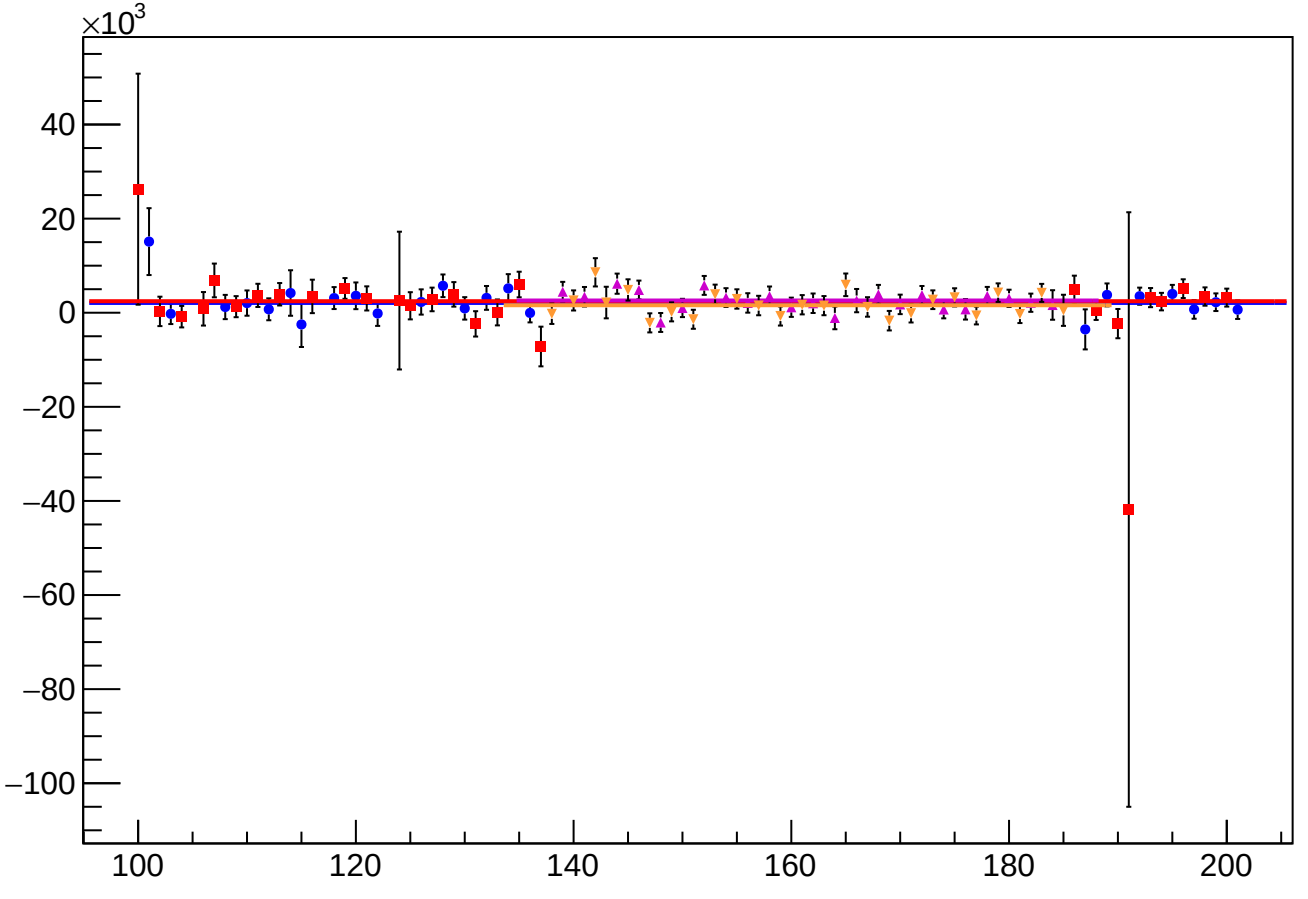
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2328.724+/-0.409 χ^2/NDF: 19050530.2/50

In: 4136.915+/-0.555 χ^2/NDF:5450195.6/45

Out: 2198.320+/-0.364 χ^2/NDF:28794327.1/52

All: 2781.477+/-0.305 χ^2/NDF: 42760718.4/9



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: 2448.909+/-492.547 χ^2/NDF: 26.0/27

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

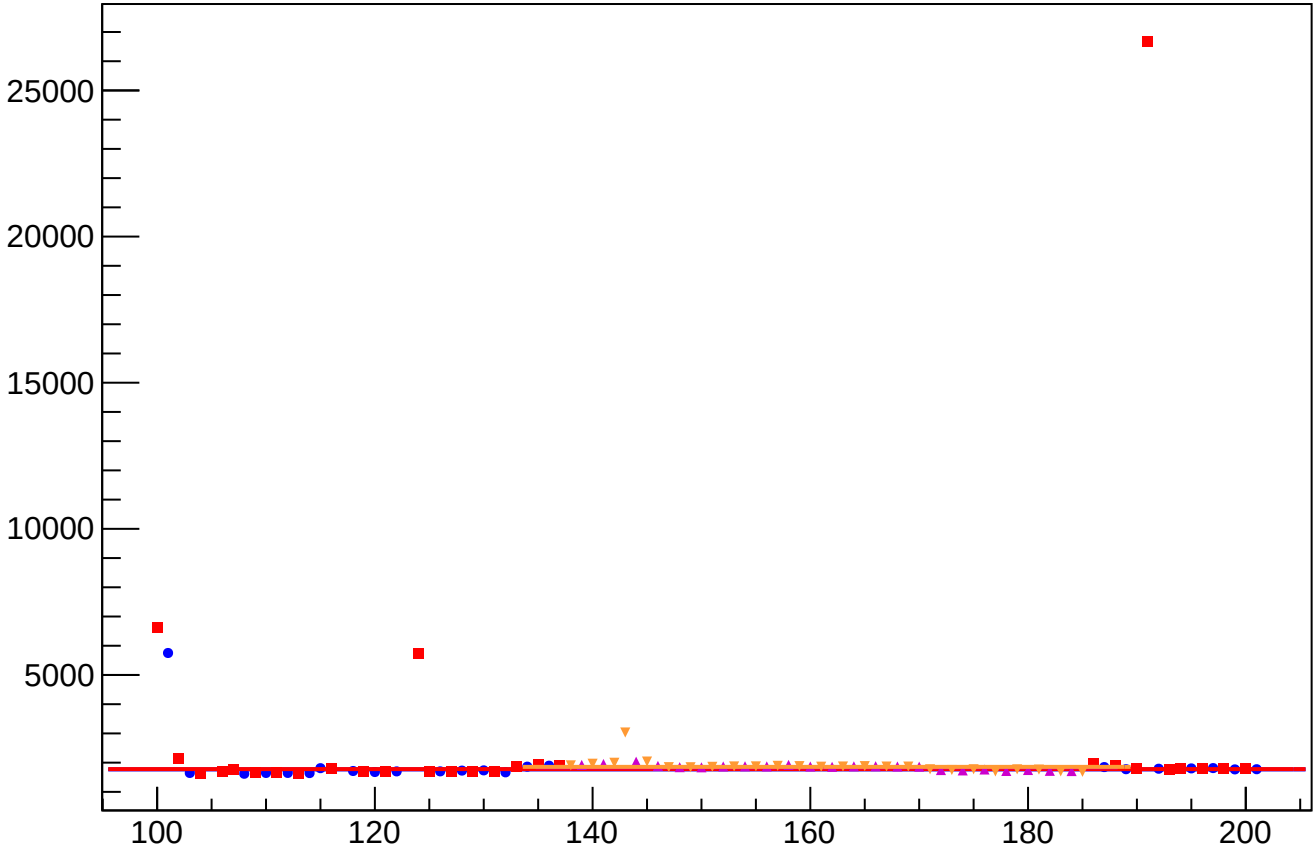
Right: 2273.138+/-354.469 χ^2/NDF: 43.3/50

In: 2384.532+/-329.017 χ^2/NDF:37.7/45

Out: 1956.278+/-321.033 χ^2/NDF:59.0/52

All: 2165.146+/-229.775 χ^2/NDF: 97.6/98

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

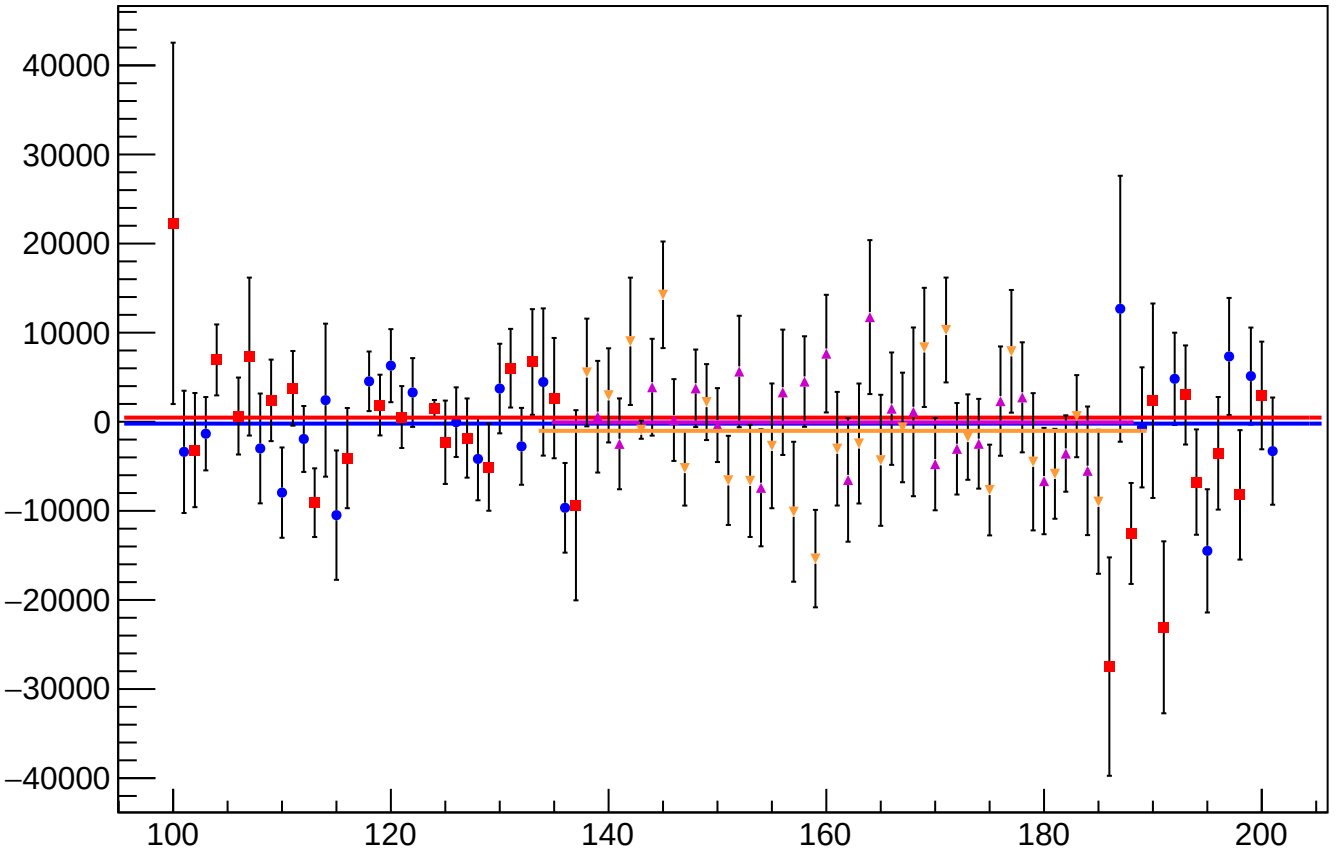
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.721+/-0.250 χ^2/NDF: 1305643.5/50

In: 1810.640+/-0.233 χ^2/NDF:769647.6/45

Out: 1822.995+/-0.227 χ^2/NDF:982491.3/52

All: 1816.975+/-0.162 χ^2/NDF: 1753584.9/98



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: 466.174+/-697.027 χ^2/NDF: 39.3/27

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

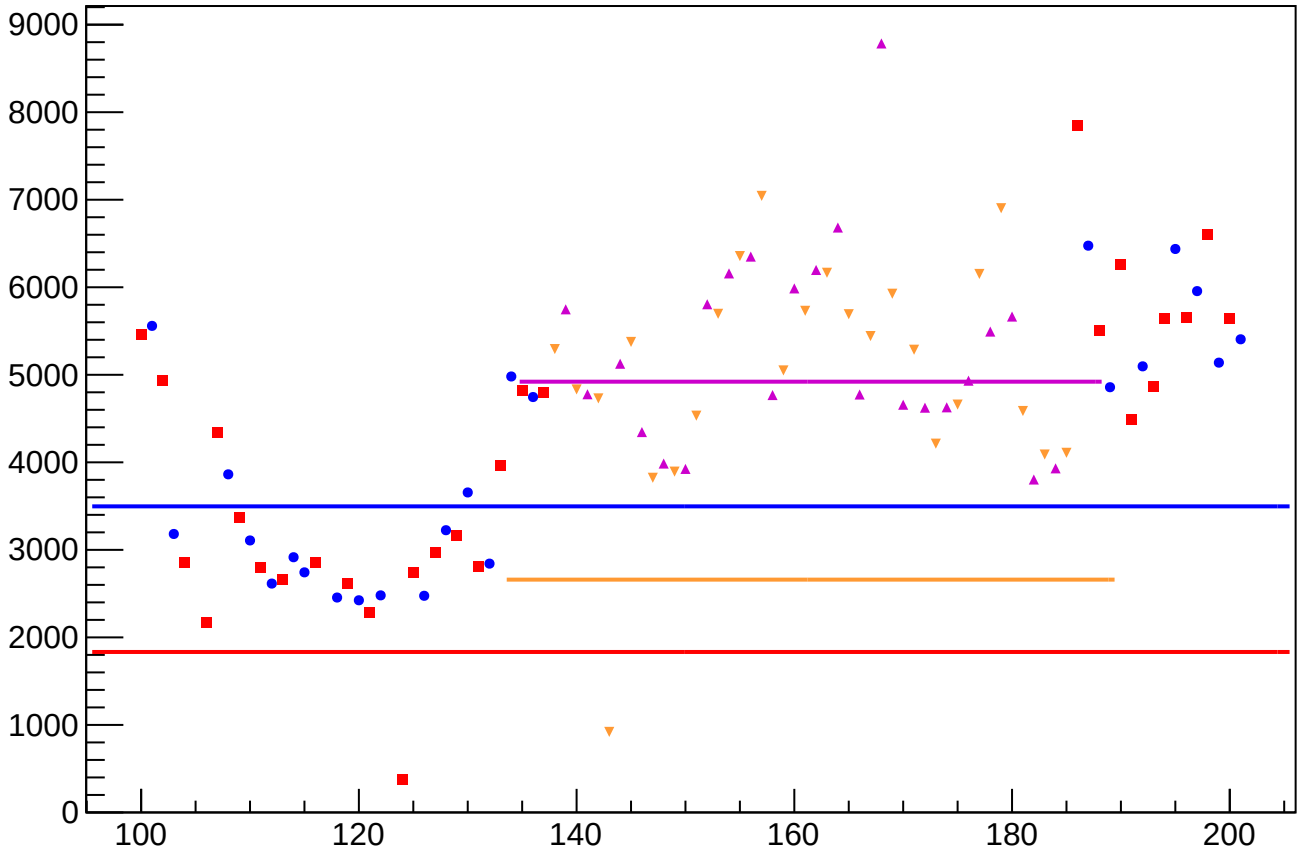
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 261.730+/-581.827 χ^2/NDF: 64.1/50

In: -142.783+/-785.191 χ^2/NDF:37.6/45

Out: -200.875+/-517.292 χ^2/NDF:75.1/52

All: -183.292+/-431.973 χ^2/NDF: 112.7/98



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: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

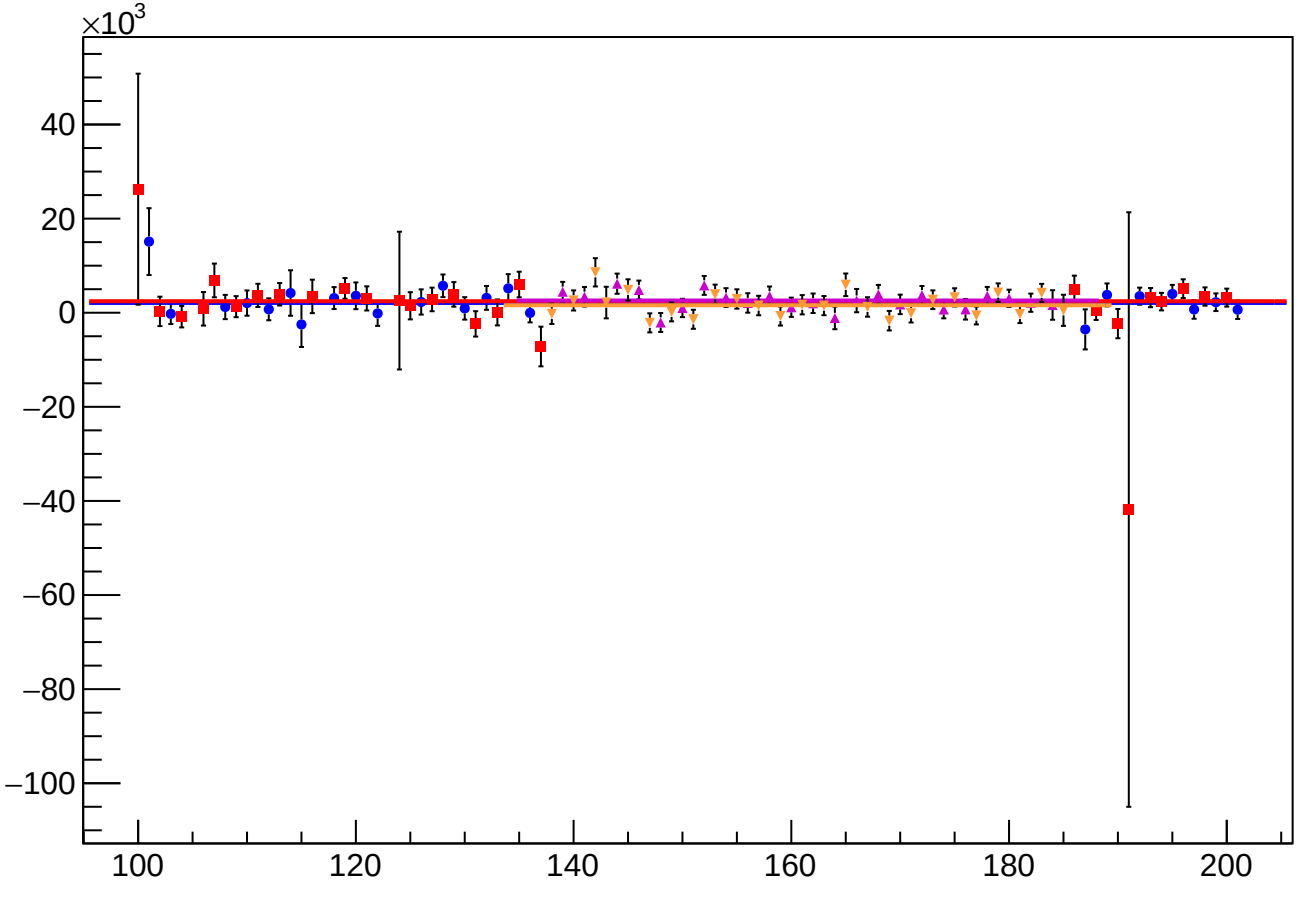
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2337.884+/-0.411 χ^2/NDF: 19030772.2/50

In: 4134.723+/-0.555 χ^2/NDF:5460424.1/45

Out: 2204.719+/-0.366 χ^2/NDF:28794453.3/52

All: 2788.865+/-0.305 χ^2/NDF: 42681176.1/9



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: 2448.909+/-492.547 χ^2/NDF: 26.0/27

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

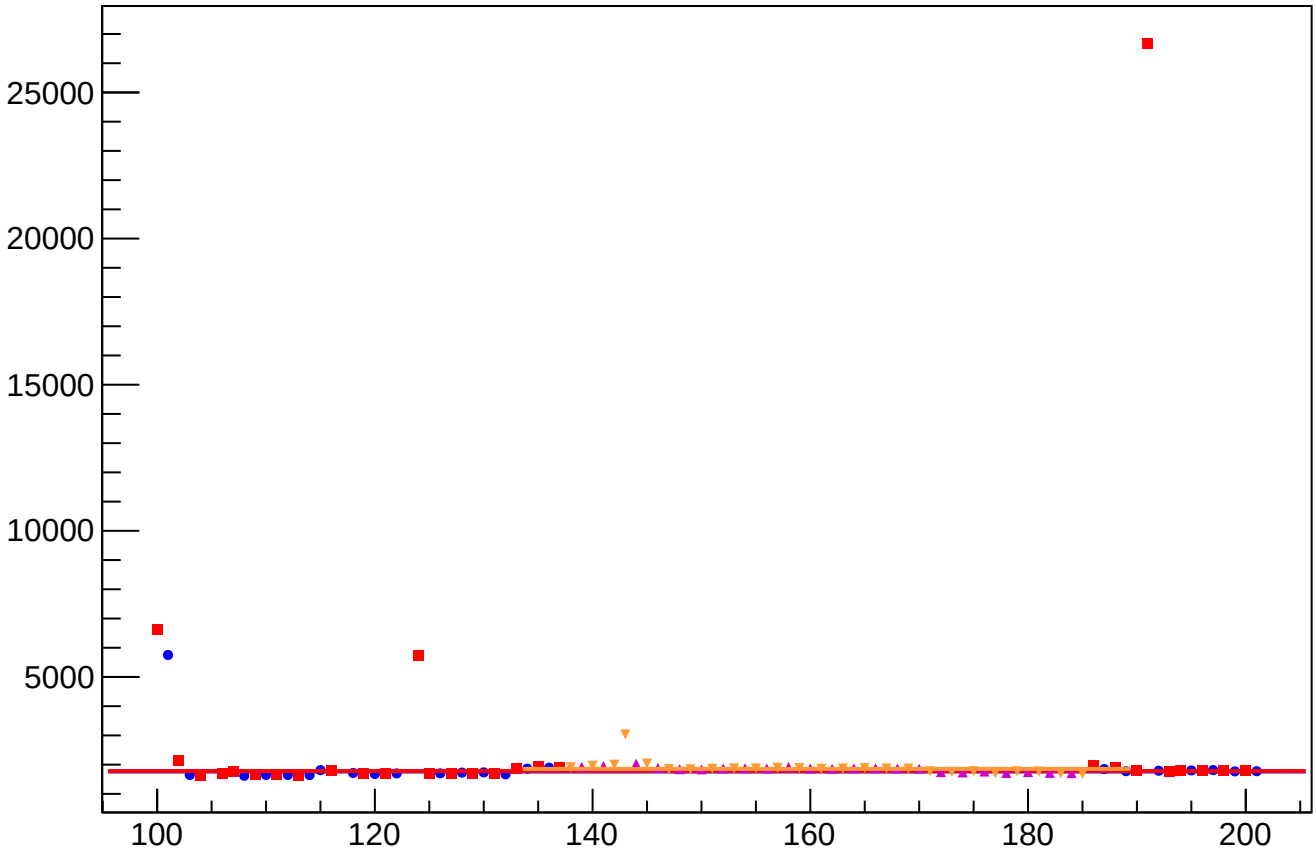
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2273.138+/-354.469 χ^2/NDF: 43.3/50

In: 2384.532+/-329.017 χ^2/NDF:37.7/45

Out: 1956.278+/-321.033 χ^2/NDF:59.0/52

All: 2165.146+/-229.775 χ^2/NDF: 97.6/98



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: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

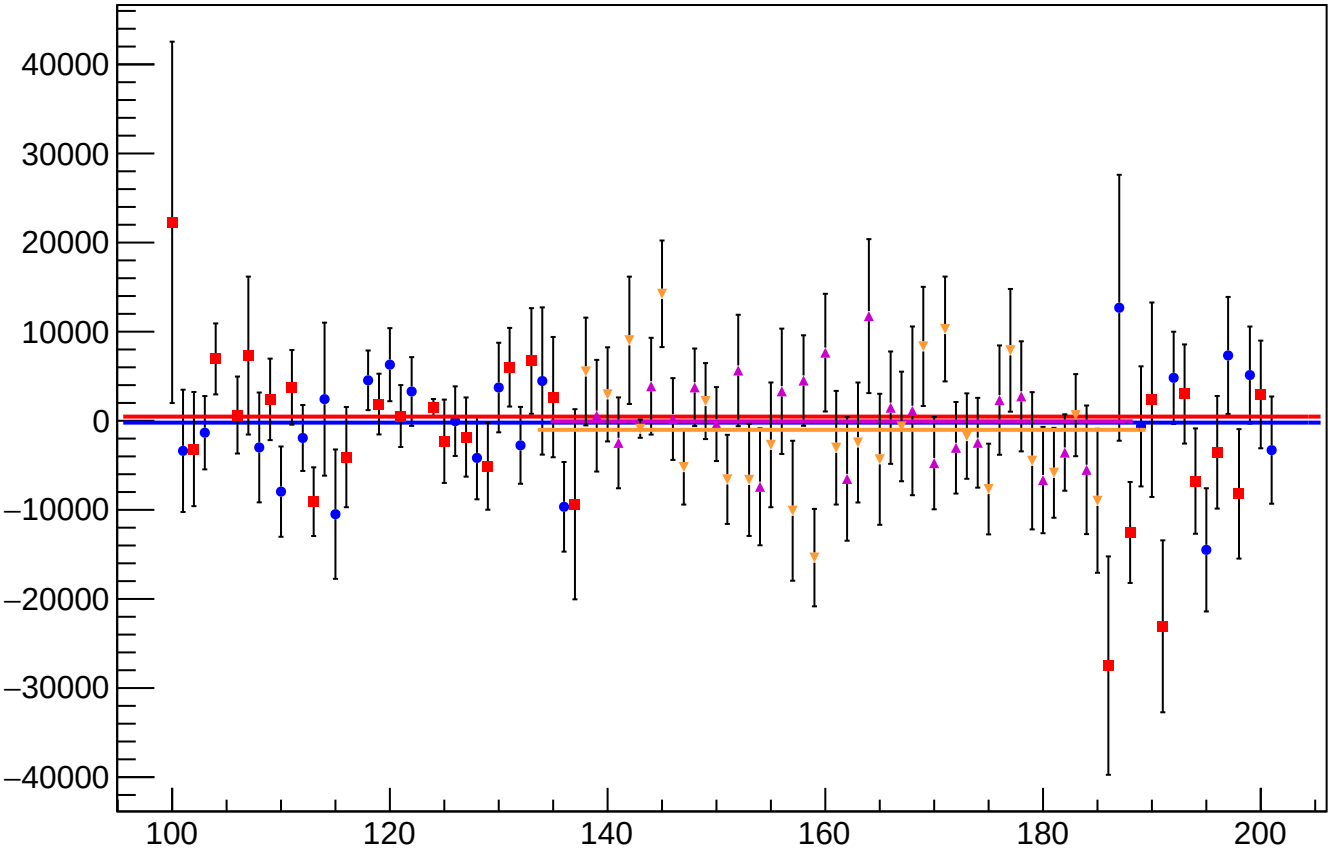
Right: 1773.721+/-0.250 χ^2/NDF: 1305643.5/50

In: 1810.640+/-0.233 χ^2/NDF:769647.6/45

Out: 1822.995+/-0.227 χ^2/NDF:982491.3/52

All: 1816.975+/-0.162 χ^2/NDF: 1753584.9/98

asym_atr1l2_avg_eigen_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: 466.174+/-697.027 χ^2/NDF: 39.3/27

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

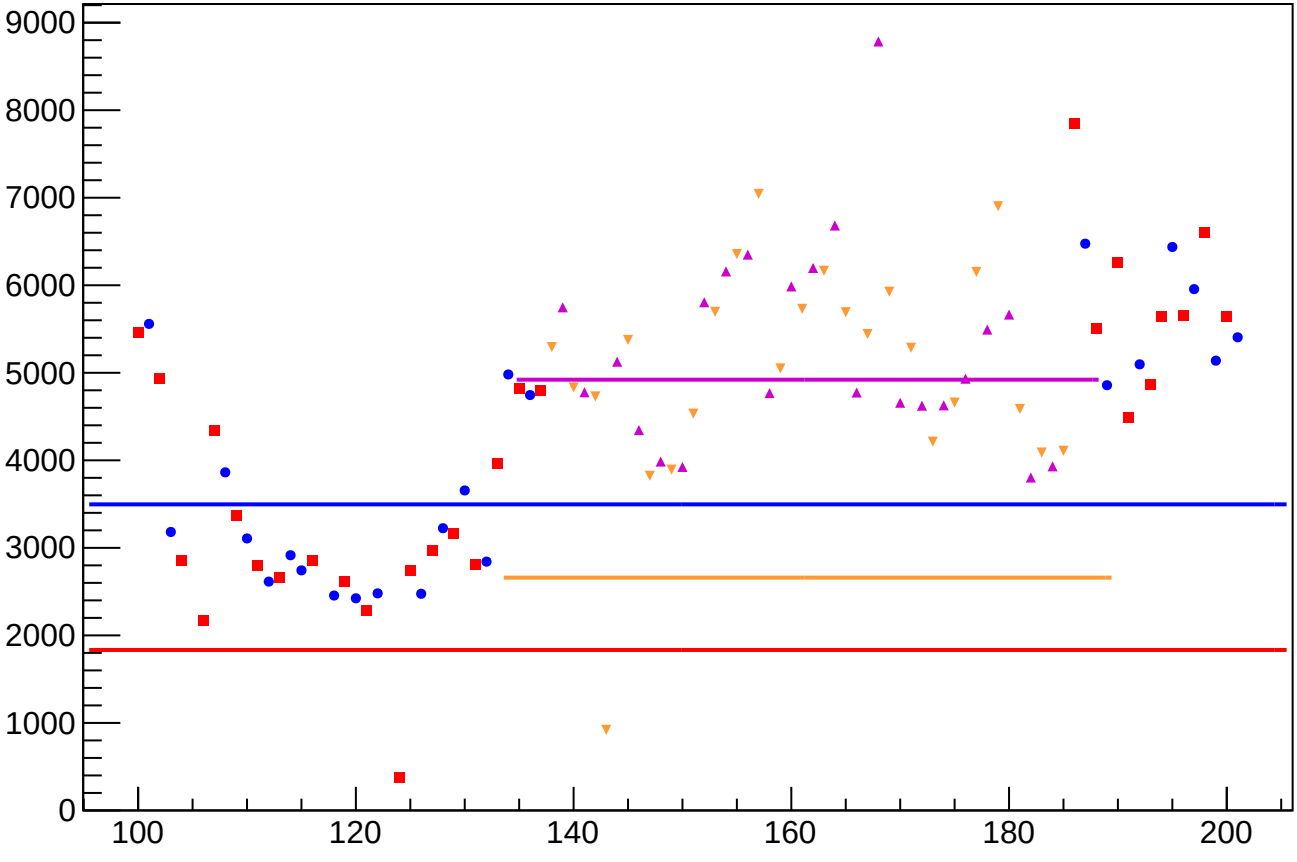
Right: 261.730+/-581.827 χ^2/NDF: 64.1/50

In: -142.783+/-785.191 χ^2/NDF:37.6/45

Out: -200.875+/-517.292 χ^2/NDF:75.1/52

All: -183.292+/-431.973 χ^2/NDF: 112.7/98

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

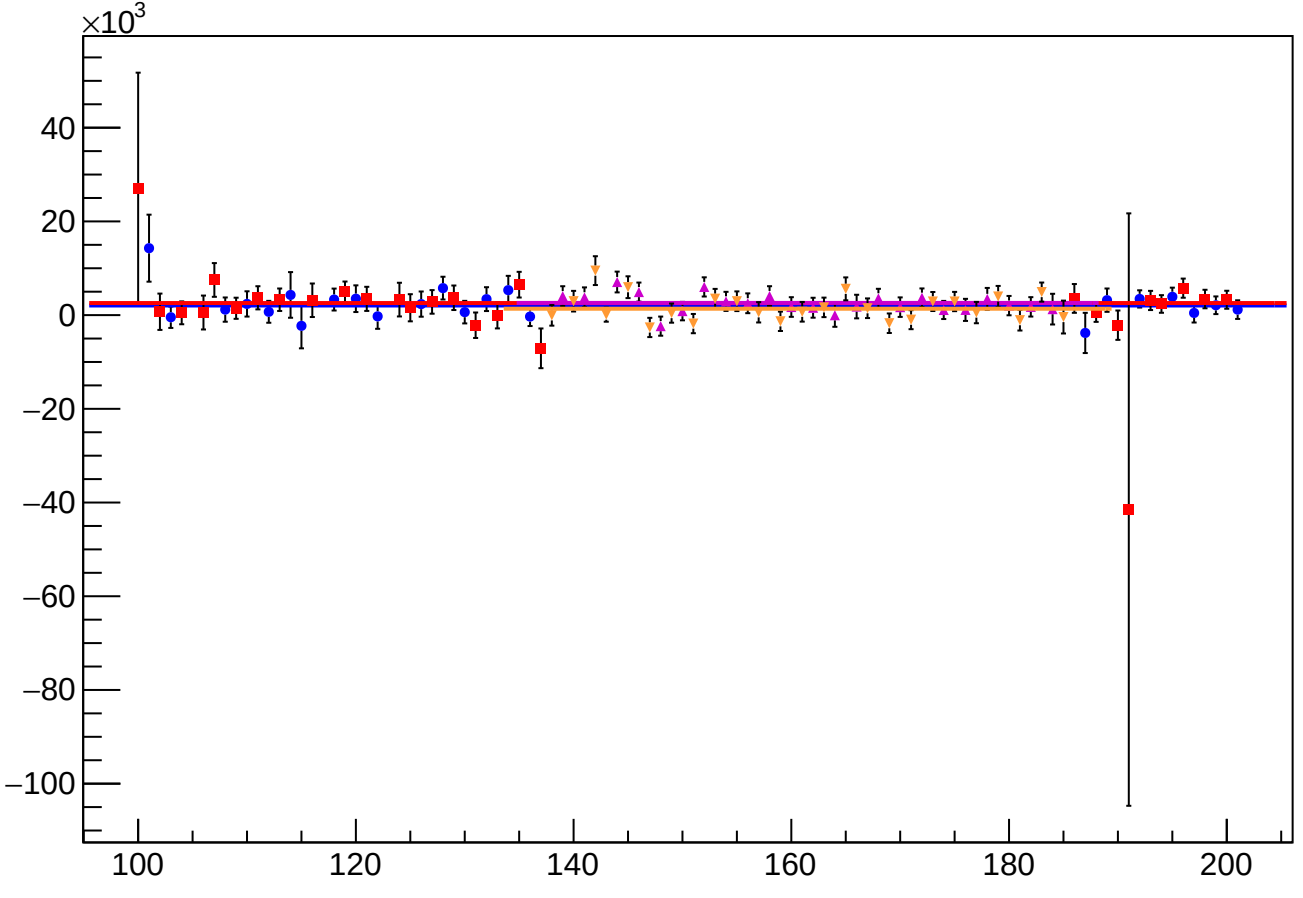
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2337.884+/-0.411 χ^2/NDF: 19030772.2/50

In: 4134.723+/-0.555 χ^2/NDF:5460424.1/45

Out: 2204.719+/-0.366 χ^2/NDF:28794453.3/52

All: 2788.865+/-0.305 χ^2/NDF: 42681176.1/9



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: 2577.761+/-495.553 χ^2/NDF: 24.3/27

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

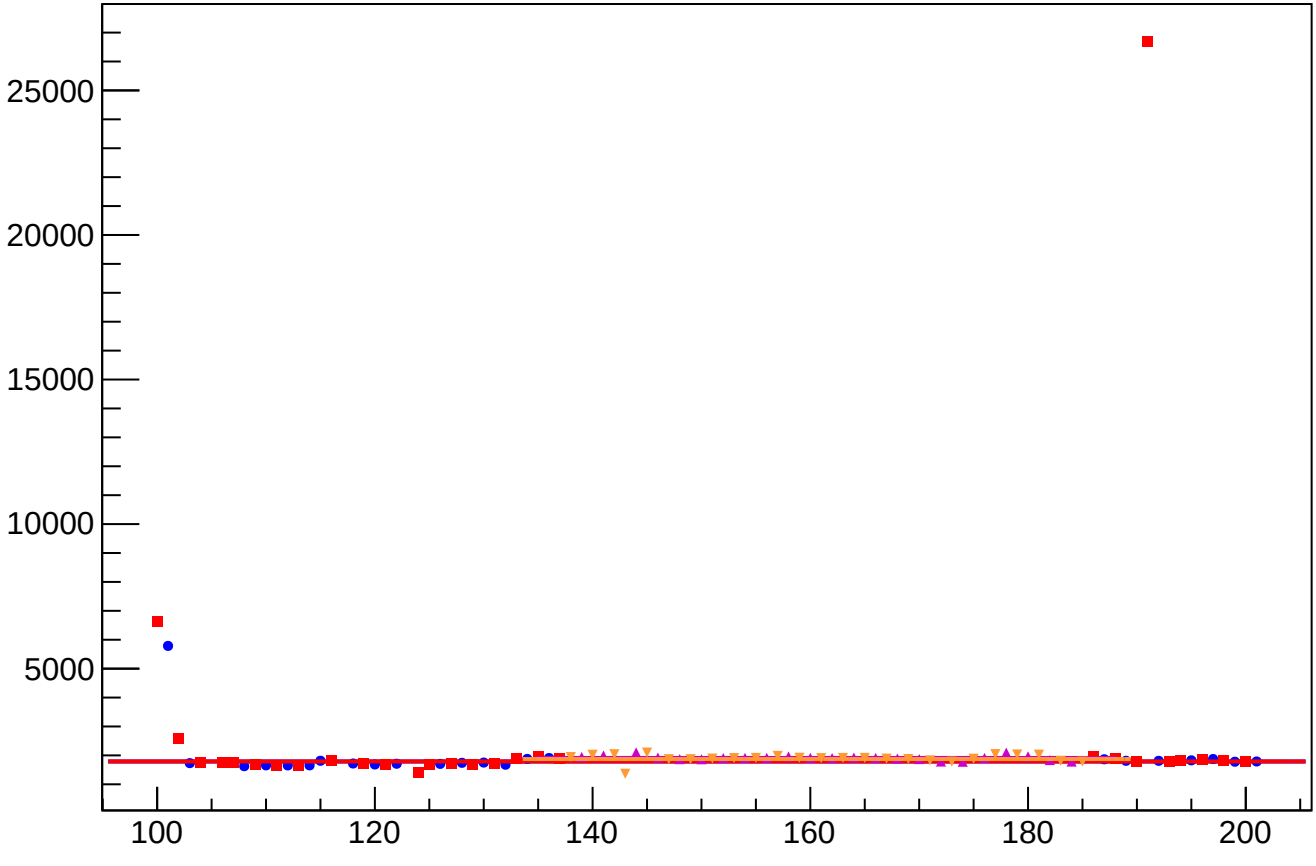
Right: 2327.409+/-357.596 χ^2/NDF: 41.7/50

In: 2368.578+/-337.896 χ^2/NDF:37.5/45

Out: 1881.581+/-323.623 χ^2/NDF:63.9/52

All: 2114.577+/-233.719 χ^2/NDF: 102.5/98

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: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

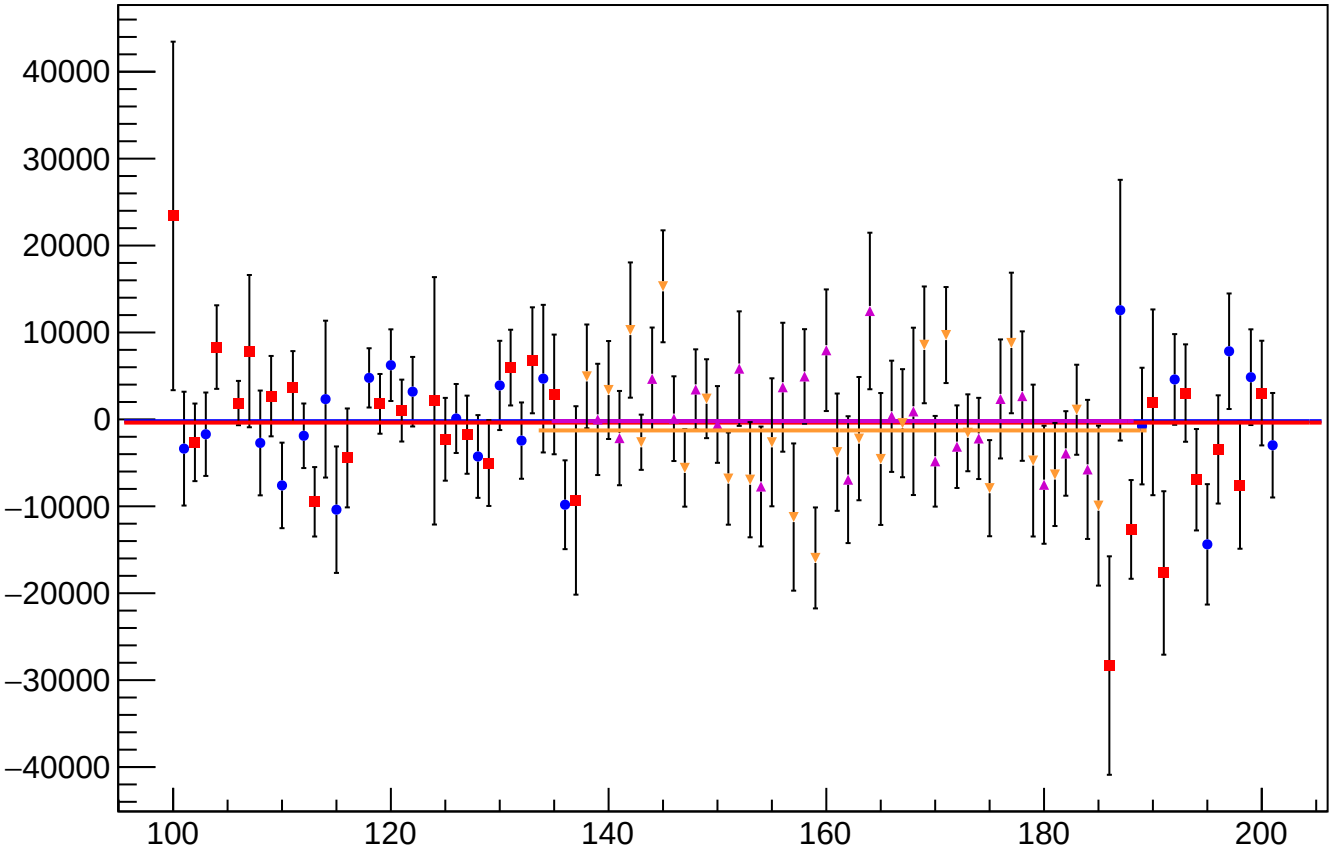
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.728+/-0.253 χ^2/NDF: 1229608.6/50

In: 1858.834+/-0.239 χ^2/NDF:798560.0/45

Out: 1837.996+/-0.229 χ^2/NDF:896397.0/52

All: 1847.959+/-0.165 χ^2/NDF: 1698926.7/98



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: -370.359+/-968.985 χ^2/NDF: 36.1/27

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

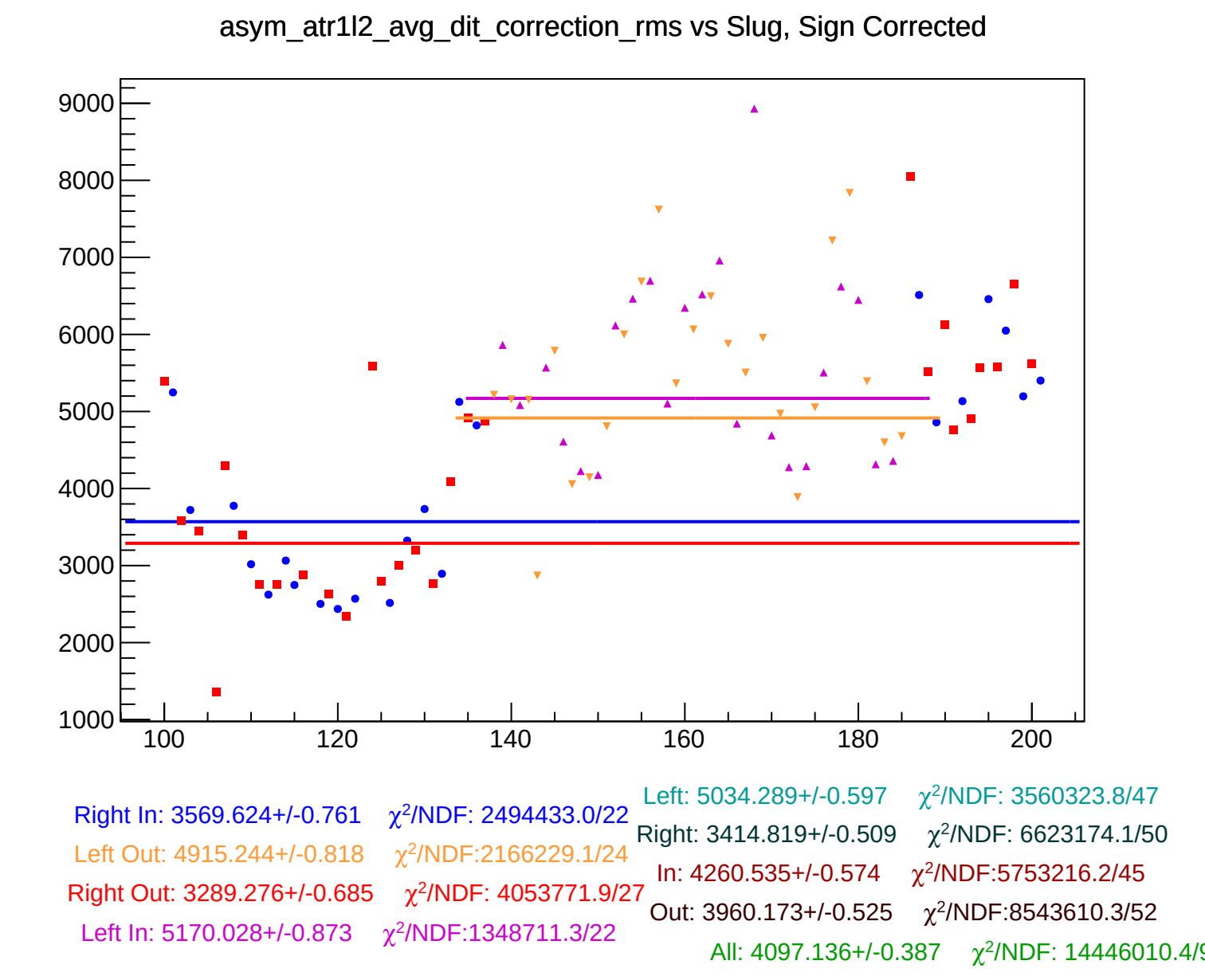
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

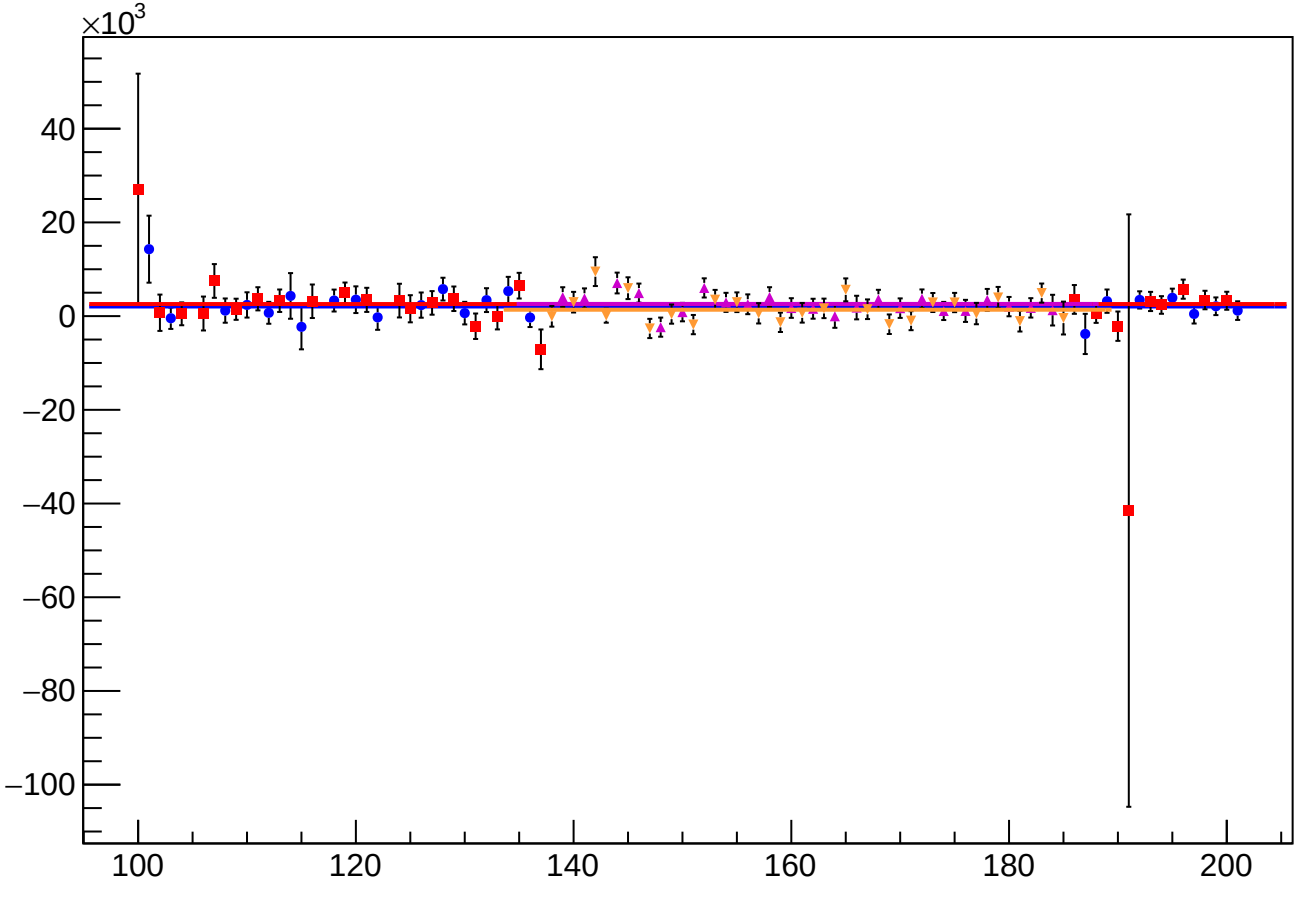
Right: -295.973+/-720.049 χ^2/NDF: 60.2/50

In: -201.082+/-811.149 χ^2/NDF:36.8/45

Out: -741.464+/-742.641 χ^2/NDF:69.9/52

All: -495.053+/-547.748 χ^2/NDF: 106.9/98


asym_atr1l2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3569.624+/-0.761 χ²/NDF: 2494433.0/22
Left Out: 4915.244+/-0.818 χ²/NDF:2166229.1/24
Right Out: 3289.276+/-0.685 χ²/NDF: 4053771.9/27
Left In: 5170.028+/-0.873 χ²/NDF:1348711.3/22
Left: 5034.289+/-0.597 χ²/NDF: 3560323.8/47
Right: 3414.819+/-0.509 χ²/NDF: 6623174.1/50
In: 4260.535+/-0.574 χ²/NDF:5753216.2/45
Out: 3960.173+/-0.525 χ²/NDF:8543610.3/52
All: 4097.136+/-0.387 χ²/NDF: 14446010.4/9



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: 2577.761+/-495.553 χ^2/NDF: 24.3/27

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

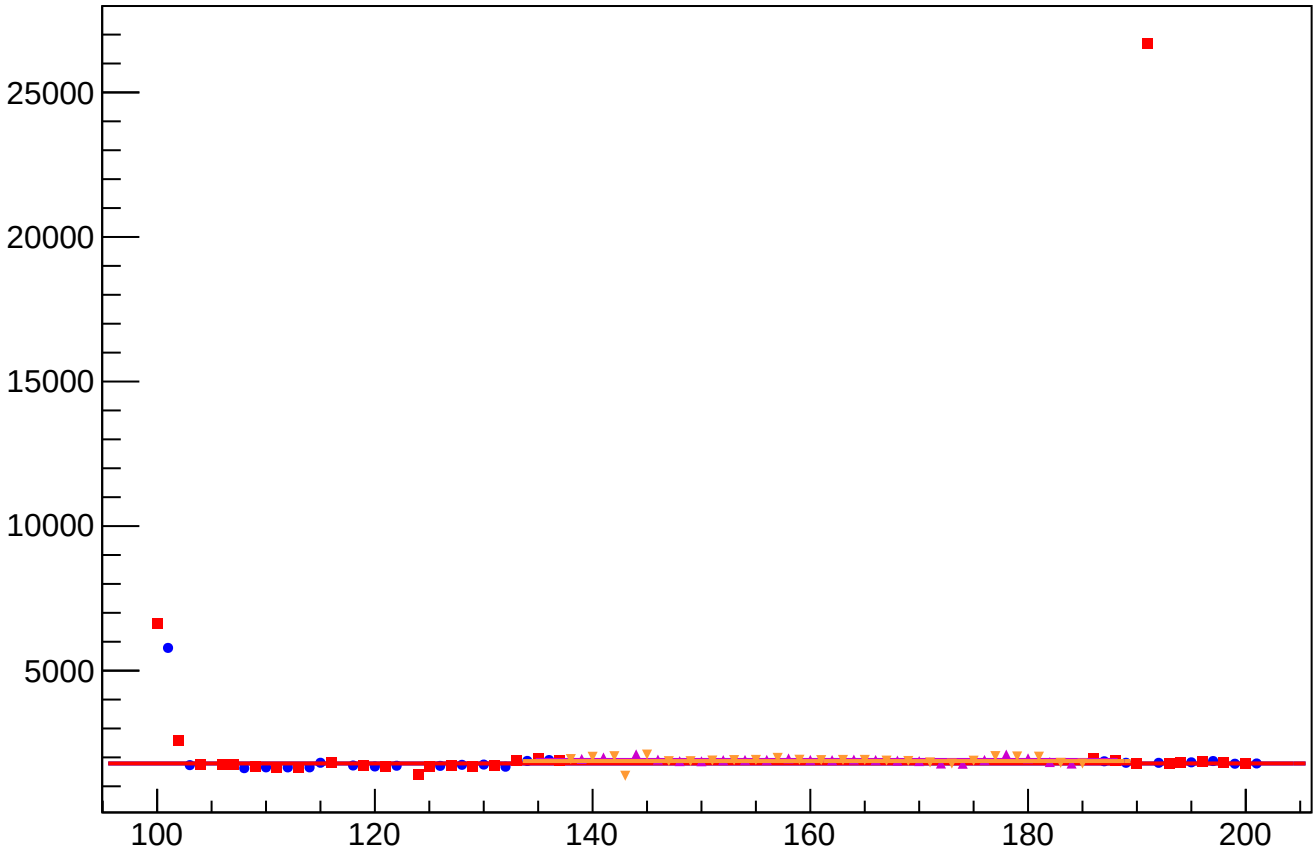
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2327.408+/-357.596 χ^2/NDF: 41.7/50

In: 2368.576+/-337.896 χ^2/NDF:37.5/45

Out: 1881.580+/-323.623 χ^2/NDF:63.9/52

All: 2114.576+/-233.719 χ^2/NDF: 102.5/98



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: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

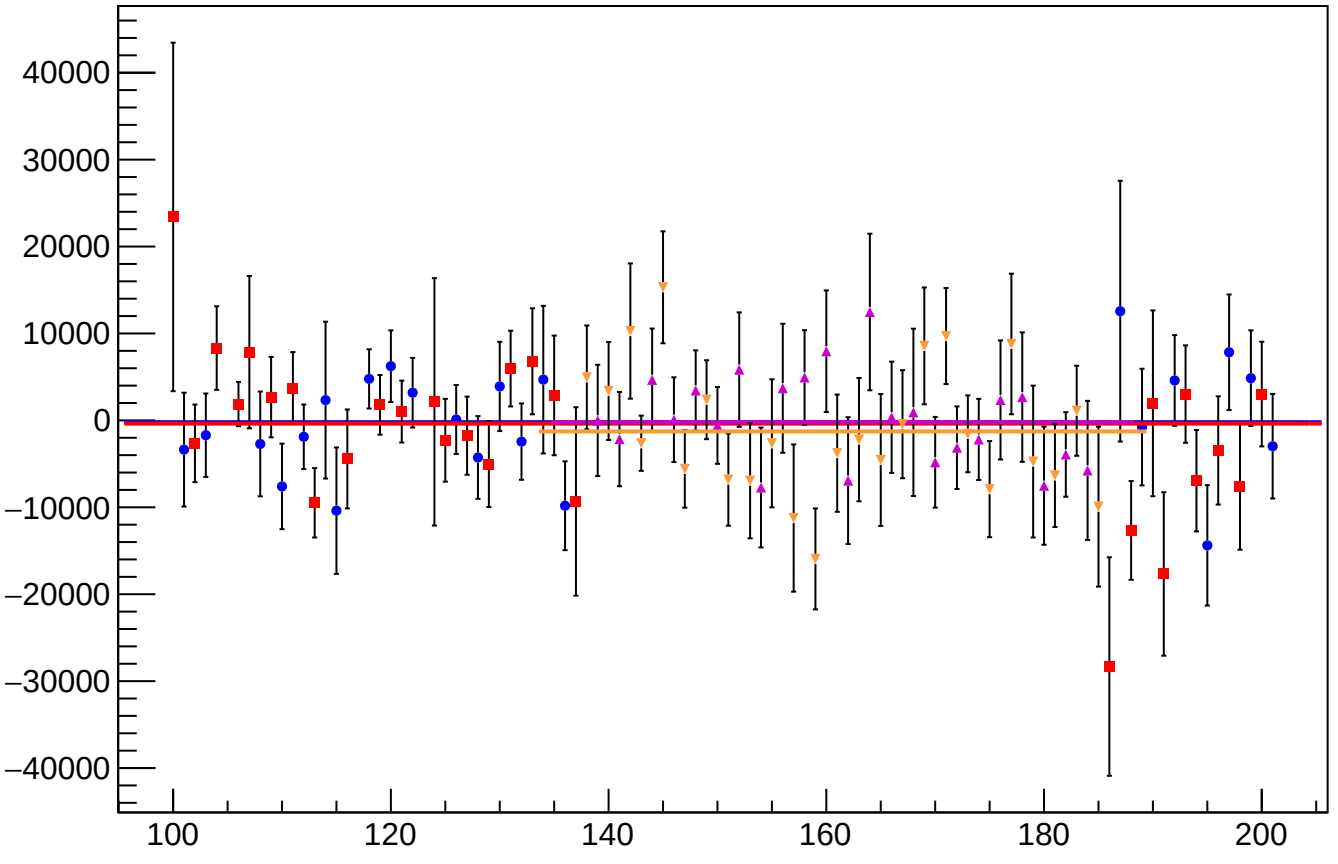
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1789.728+/-0.253 χ^2/NDF: 1229608.6/50

In: 1858.835+/-0.239 χ^2/NDF:798563.4/45

Out: 1837.997+/-0.229 χ^2/NDF:896401.2/52

All: 1847.960+/-0.165 χ^2/NDF: 1698934.3/98



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: -370.352+/-968.982 χ^2/NDF: 36.1/27

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

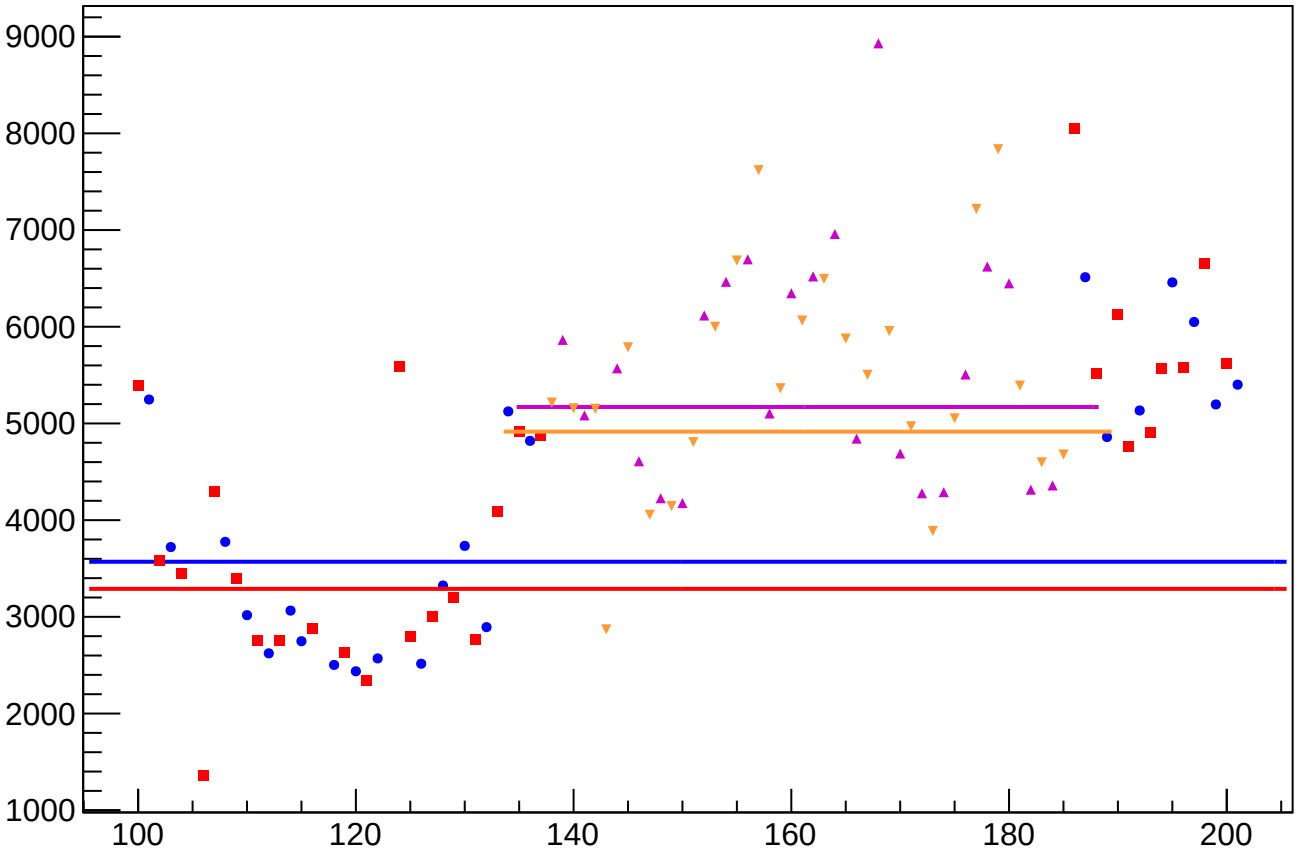
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -295.967+/-720.047 χ^2/NDF: 60.2/50

In: -201.080+/-811.149 χ^2/NDF:36.8/45

Out: -741.460+/-742.640 χ^2/NDF:69.9/52

All: -495.050+/-547.747 χ^2/NDF: 106.9/98



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: 3289.263+/-0.685 χ^2/NDF: 4053823.0/27

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

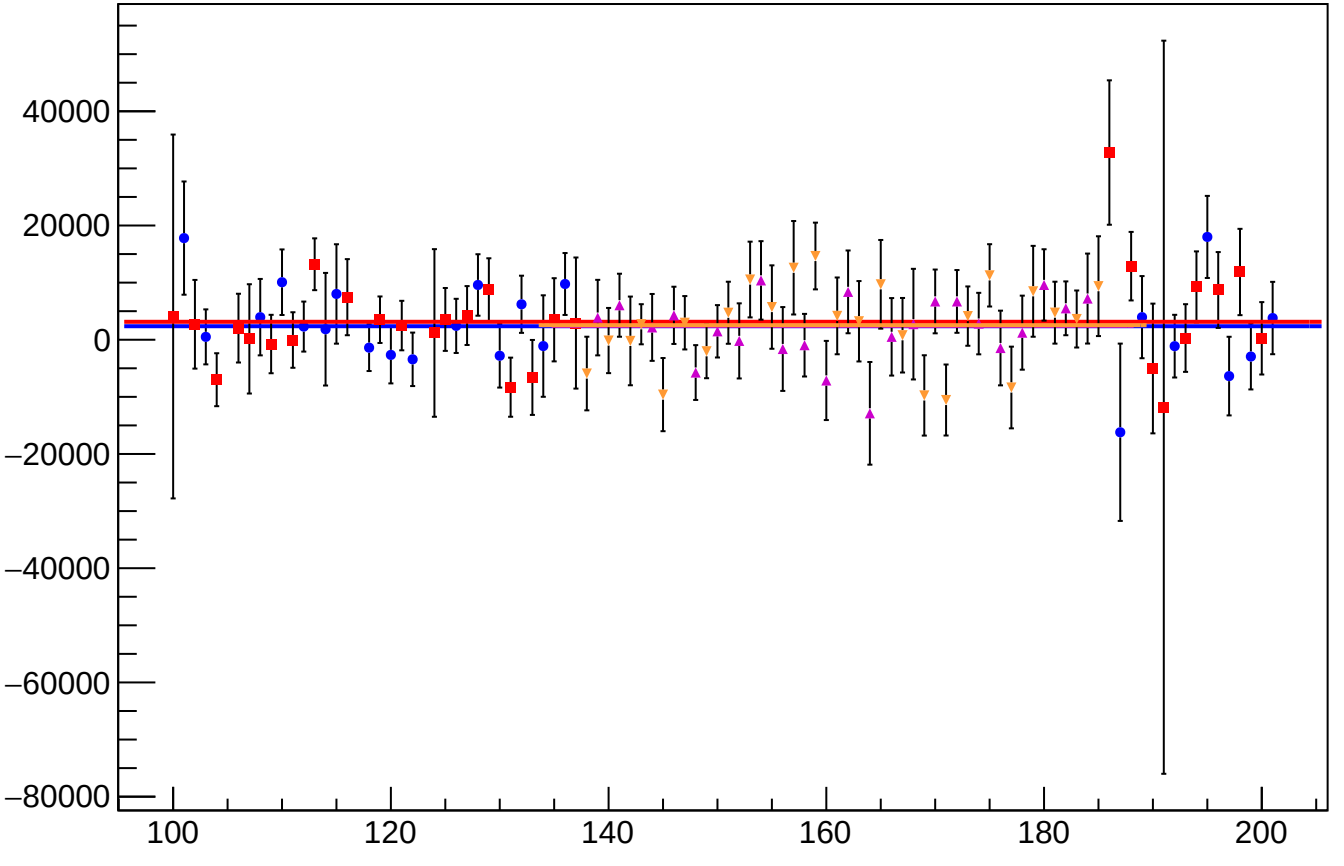
Right: 3414.806+/-0.509 χ^2/NDF: 6623259.1/50

In: 4260.529+/-0.574 χ^2/NDF:5753295.7/45

Out: 3960.164+/-0.525 χ^2/NDF:8543727.7/52

All: 4097.129+/-0.387 χ^2/NDF: 14446210.2/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 3142.331+/-1174.984 χ^2/NDF: 31.6/27

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

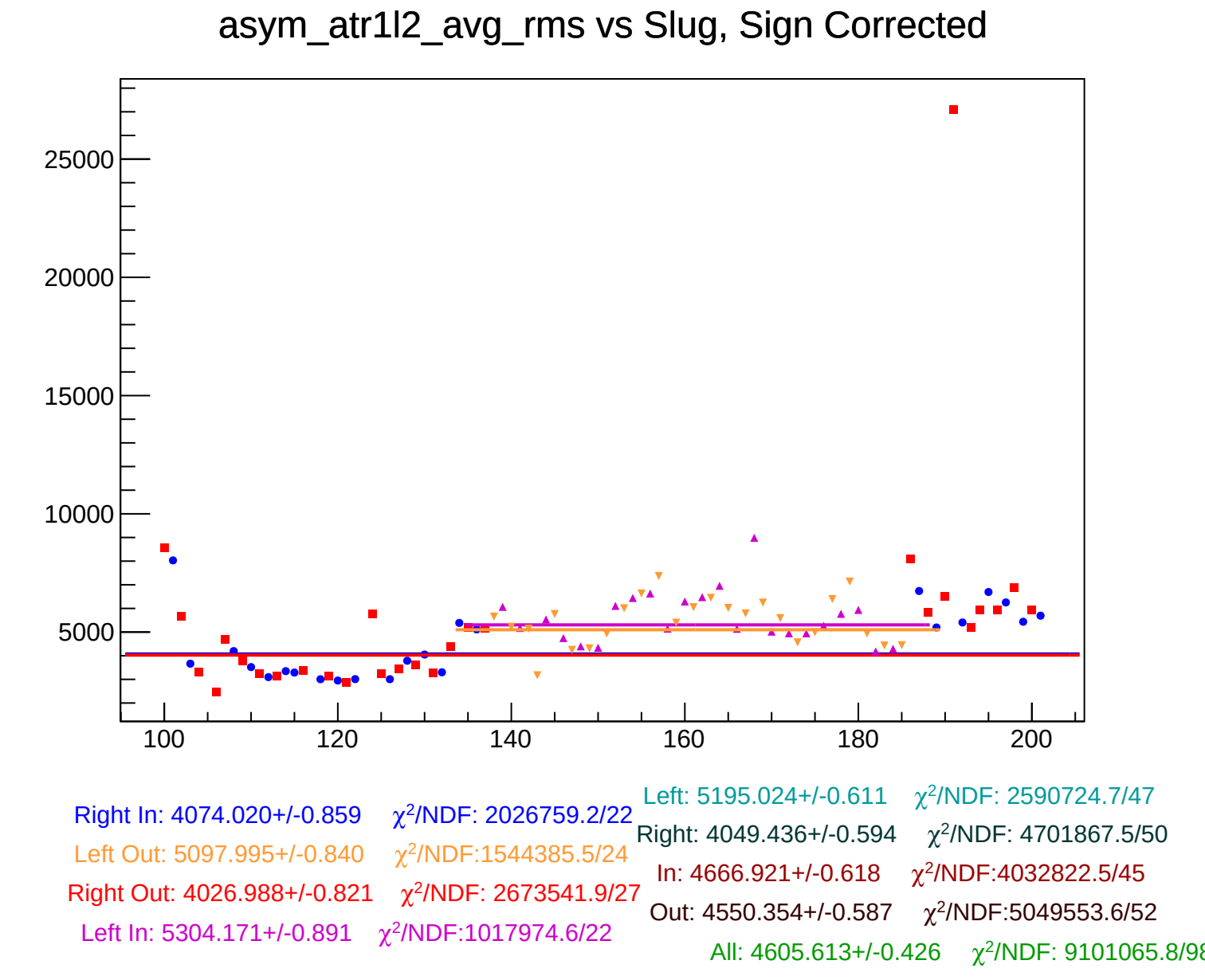
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

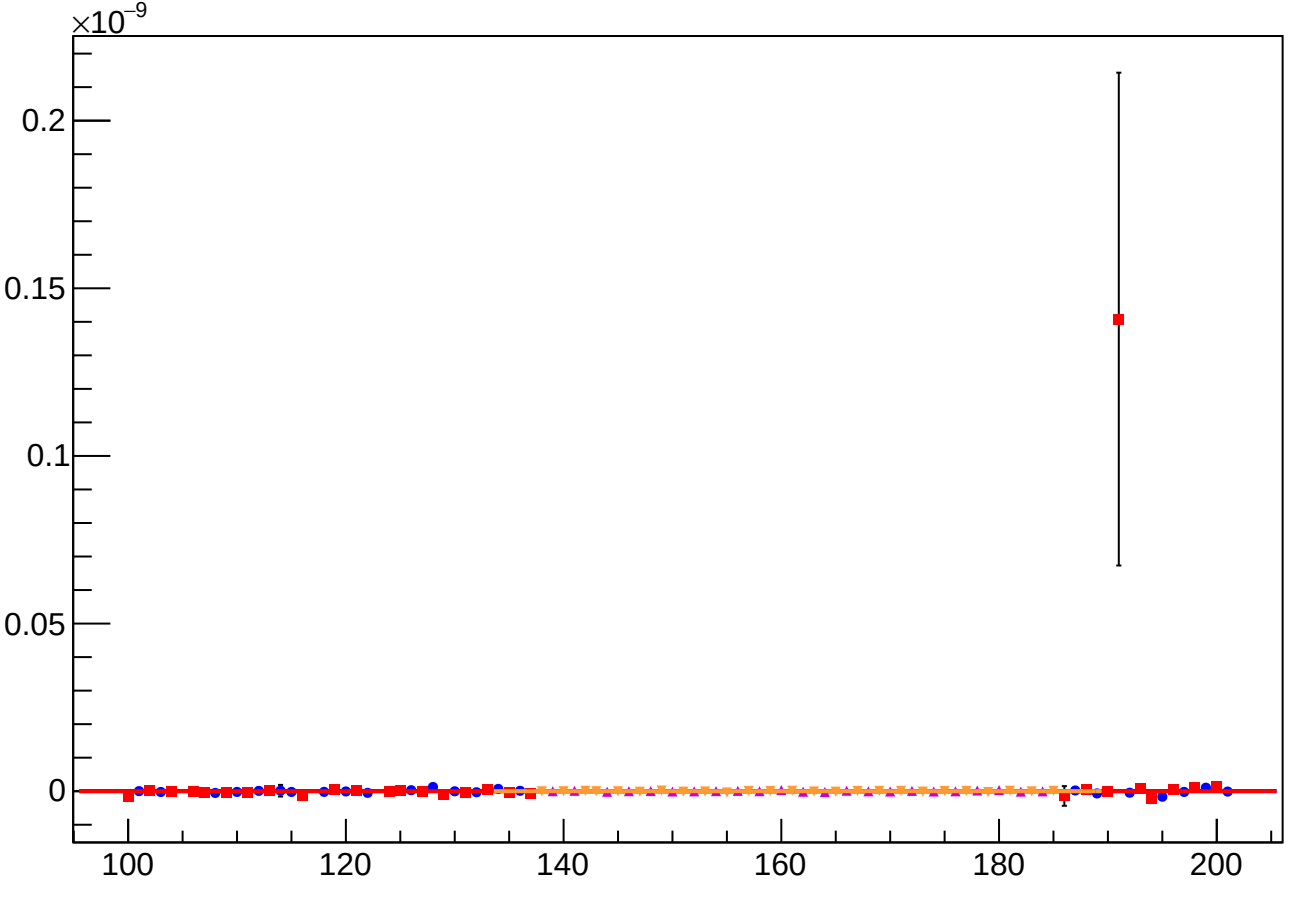
Right: 2767.158+/-844.643 χ^2/NDF: 54.5/50

In: 2393.467+/-874.507 χ^2/NDF:37.6/45

Out: 2847.897+/-835.288 χ^2/NDF:60.8/52

All: 2631.100+/-604.027 χ^2/NDF: 98.6/98


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: 4026.988+/-0.821 χ²/NDF: 2673541.9/27
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4049.436+/-0.594 χ²/NDF: 4701867.5/50
In: 4666.921+/-0.618 χ²/NDF:4032822.5/45
Out: 4550.354+/-0.587 χ²/NDF:5049553.6/52
All: 4605.613+/-0.426 χ²/NDF: 9101065.8/98



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: 38.0/27

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

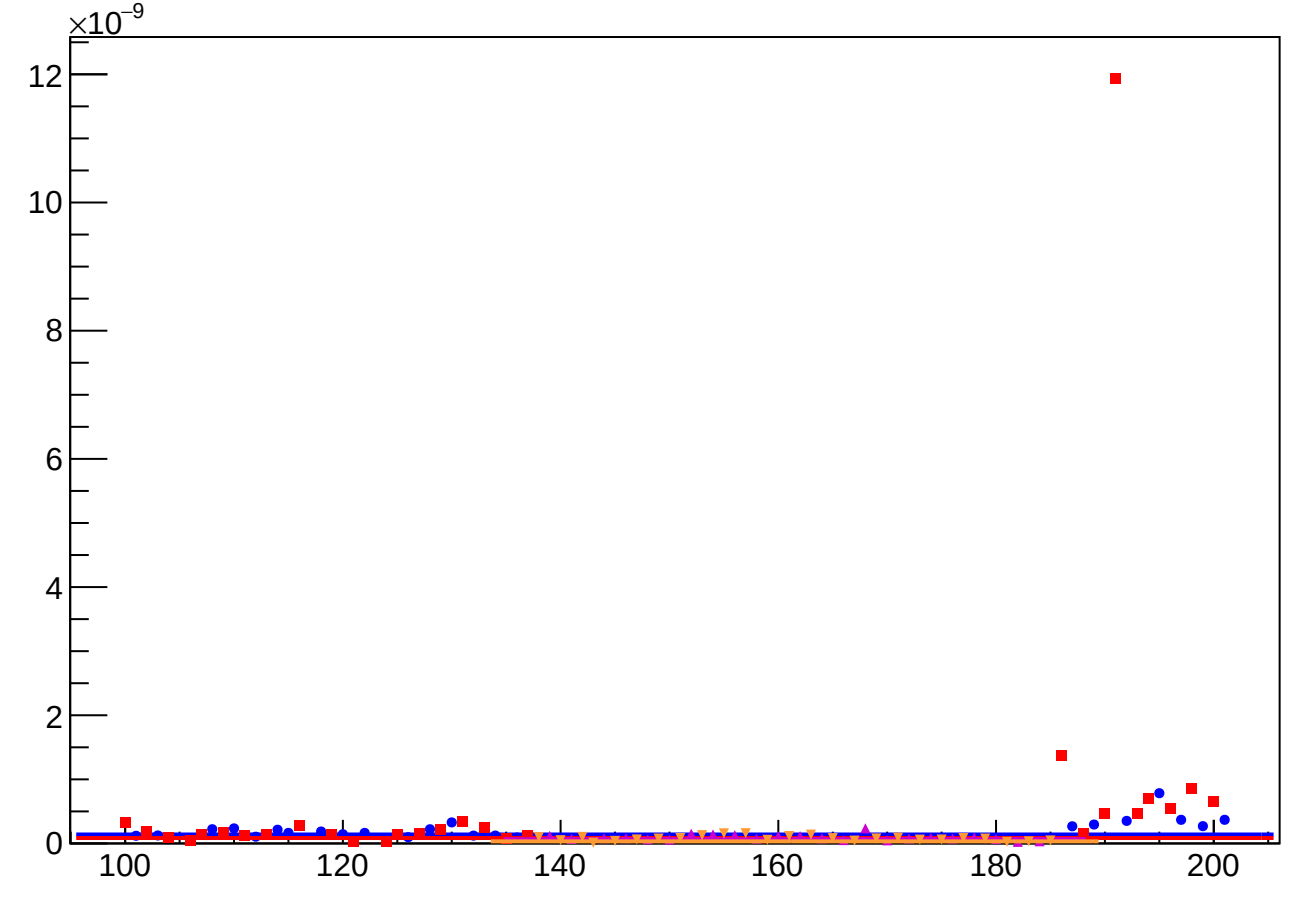
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 63.7/50

In: 0.000+/-0.000 χ^2/NDF:48.6/45

Out: 0.000+/-0.000 χ^2/NDF:53.4/52

All: 0.000+/-0.000 χ^2/NDF: 101.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 2256661.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6120087.5/27

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

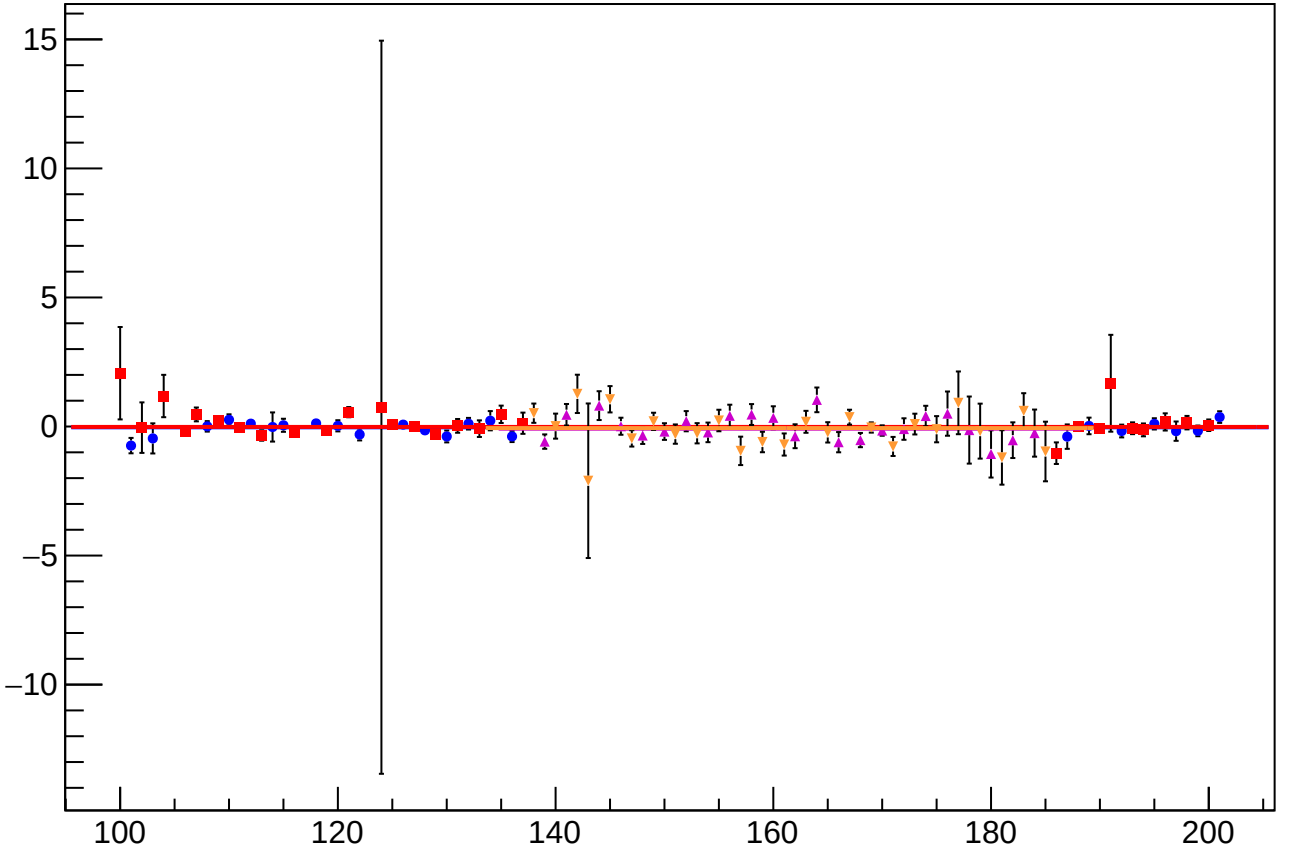
Right: 0.000+/-0.000 χ^2/NDF: 9170287.0/50

In: 0.000+/-0.000 χ^2/NDF:6519027.1/45

Out: 0.000+/-0.000 χ^2/NDF:14057852.7/52

All: 0.000+/-0.000 χ^2/NDF: 23885323.3/98

asym_atr1l2_avg_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: -0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

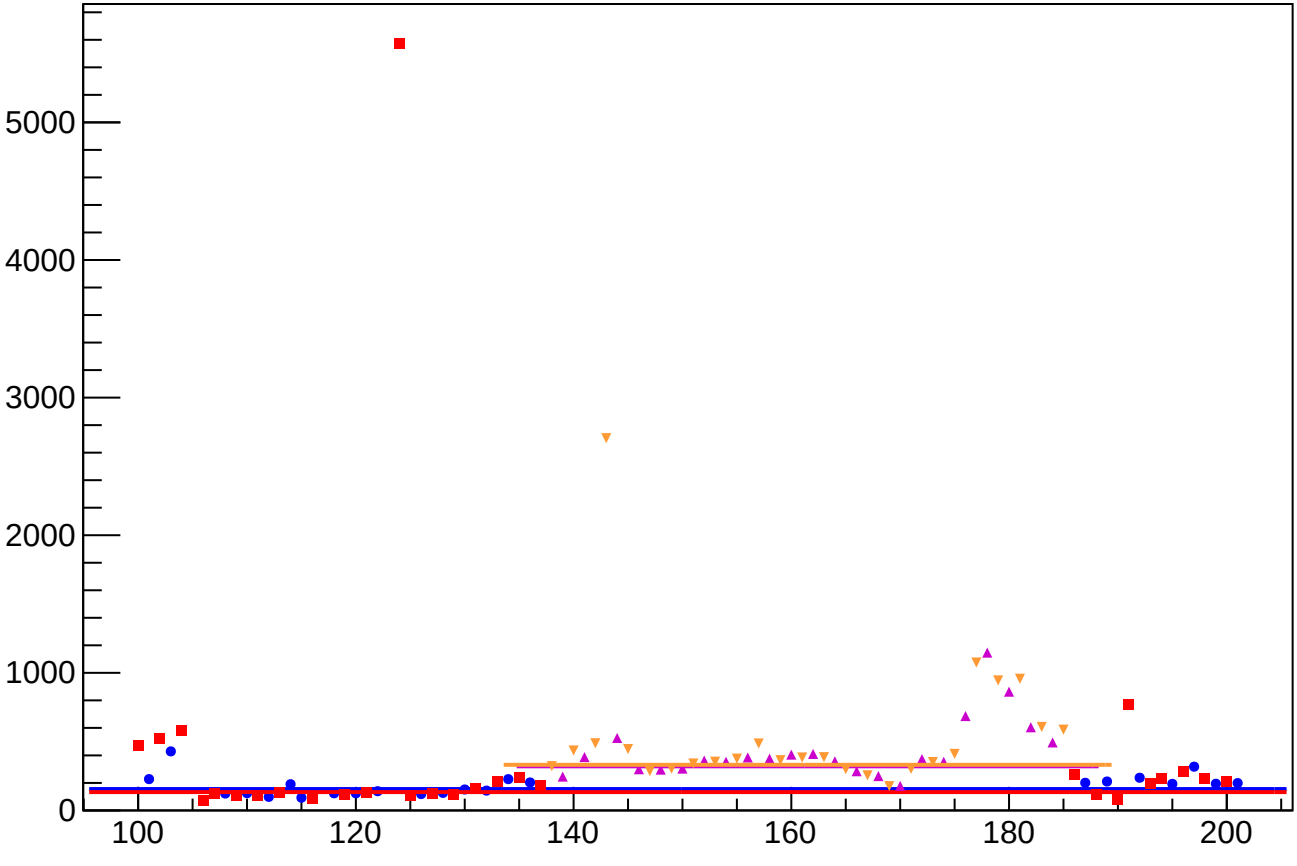
Right: -0.022+/-0.032 χ^2/NDF: 59.8/50

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.034+/-0.028 χ^2/NDF: 118.2/98

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: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

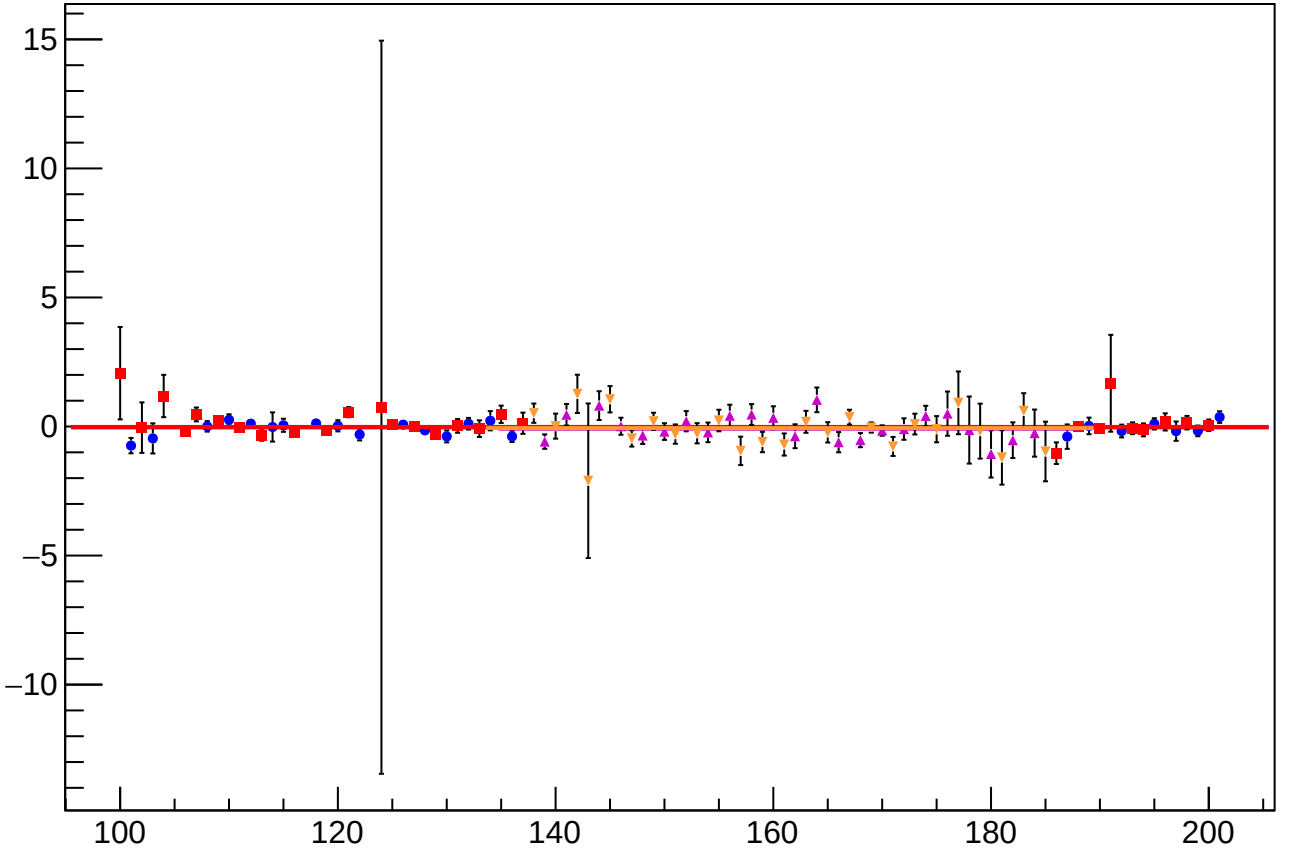
Right: 142.847+/-0.022 χ^2/NDF: 6905900.9/50

In: 199.137+/-0.030 χ^2/NDF:12711200.9/45

Out: 173.351+/-0.027 χ^2/NDF:19111607.7/52

All: 184.890+/-0.020 χ^2/NDF: 32244879.8/98

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: -0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

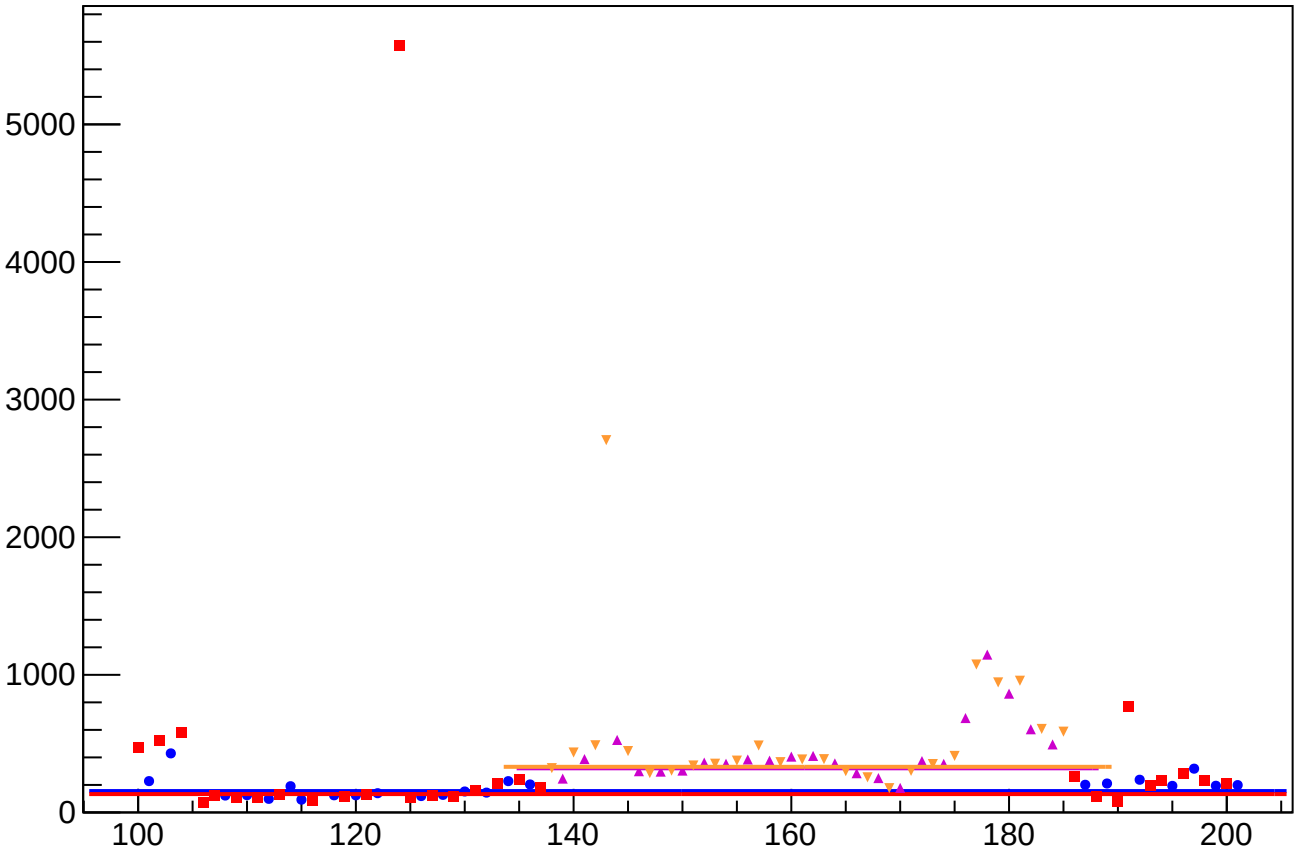
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.022+/-0.032 χ^2/NDF: 59.8/50

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.034+/-0.028 χ^2/NDF: 118.2/98



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: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

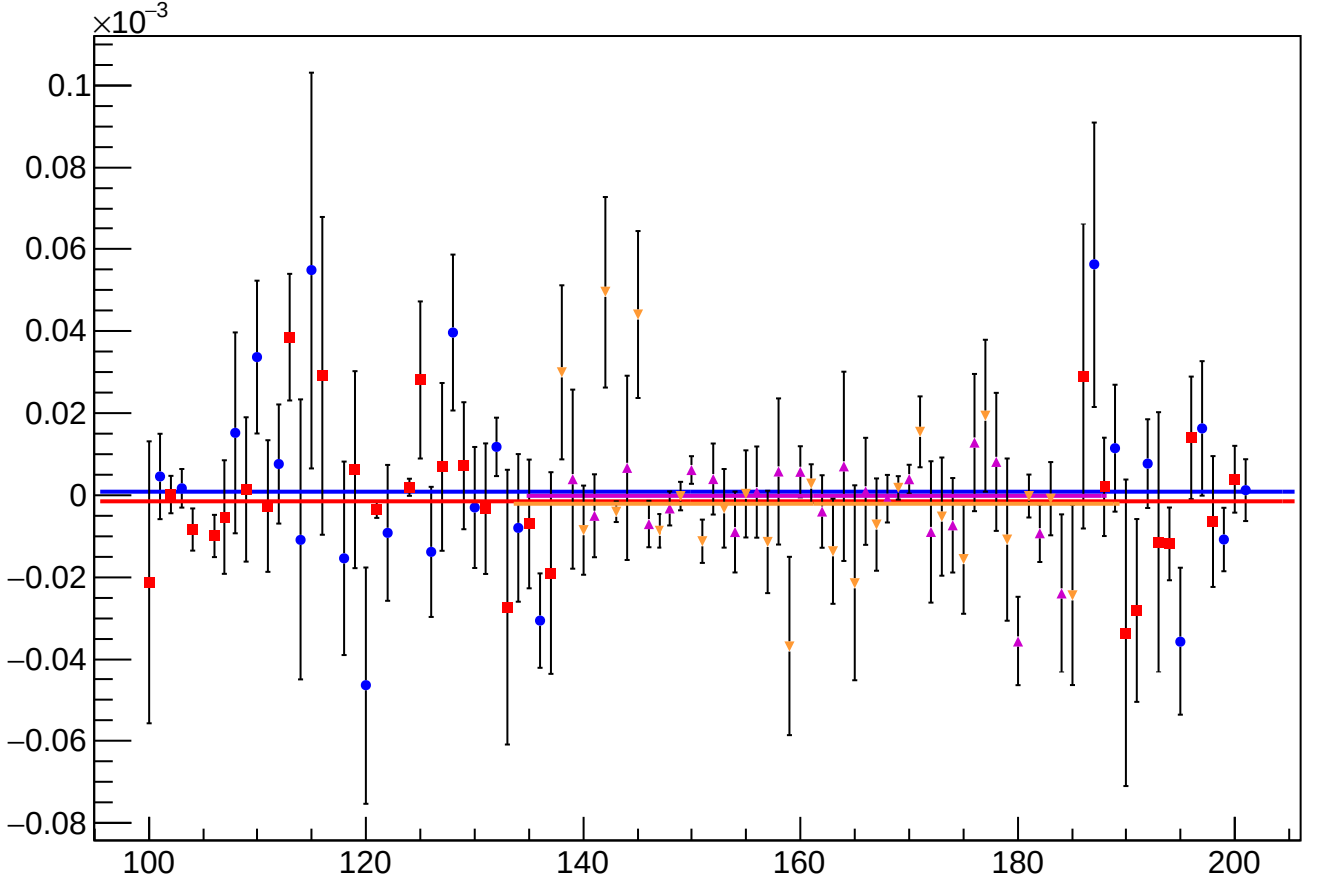
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.847+/-0.022 χ^2/NDF: 6905900.9/50

In: 199.137+/-0.030 χ^2/NDF:12711200.9/45

Out: 173.351+/-0.027 χ^2/NDF:19111607.7/52

All: 184.890+/-0.020 χ^2/NDF: 32244879.8/98



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: 26.3/27

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

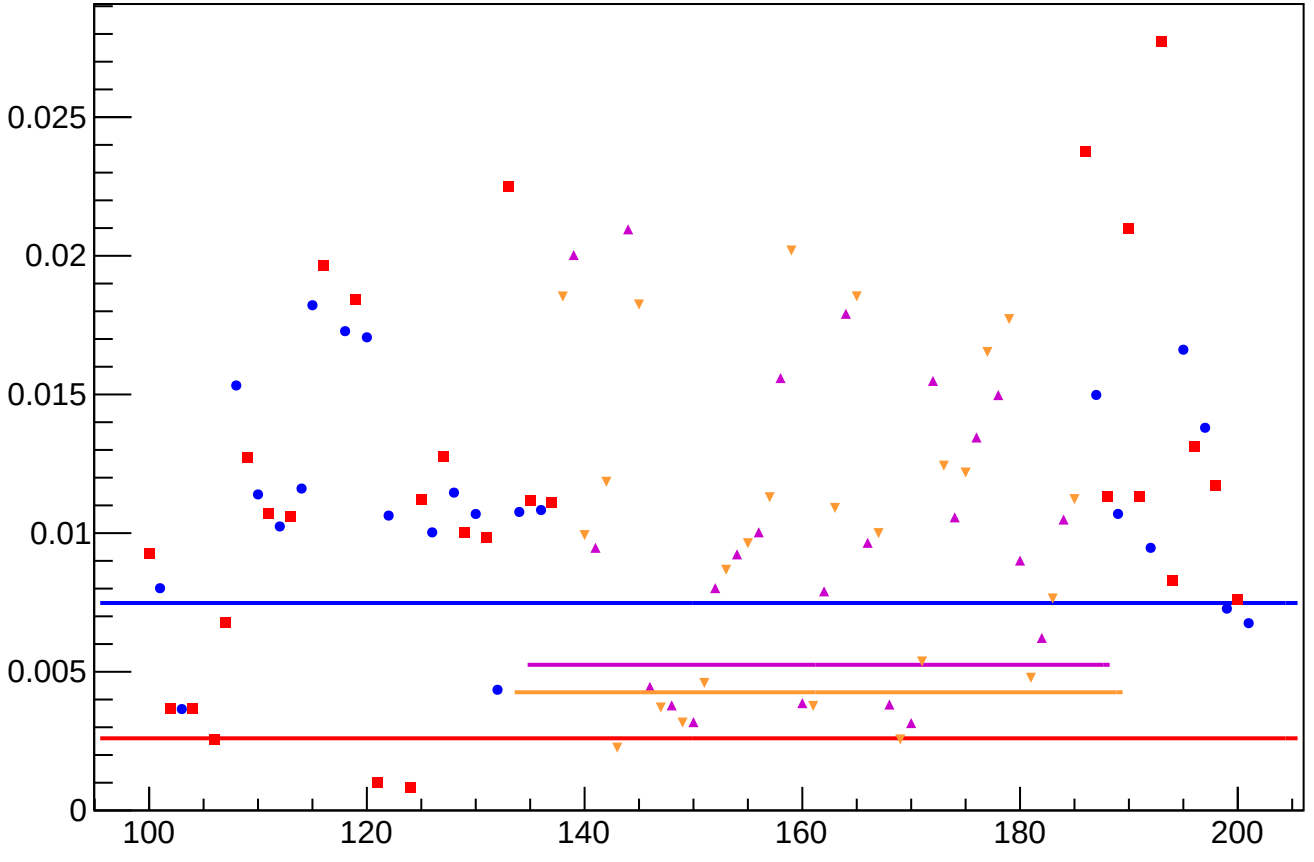
Right: -0.000+/-0.000 χ^2/NDF: 61.5/50

In: 0.000+/-0.000 χ^2/NDF:59.5/45

Out: -0.000+/-0.000 χ^2/NDF:61.2/52

All: -0.000+/-0.000 χ^2/NDF: 122.2/98

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: 16409308.8/27

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

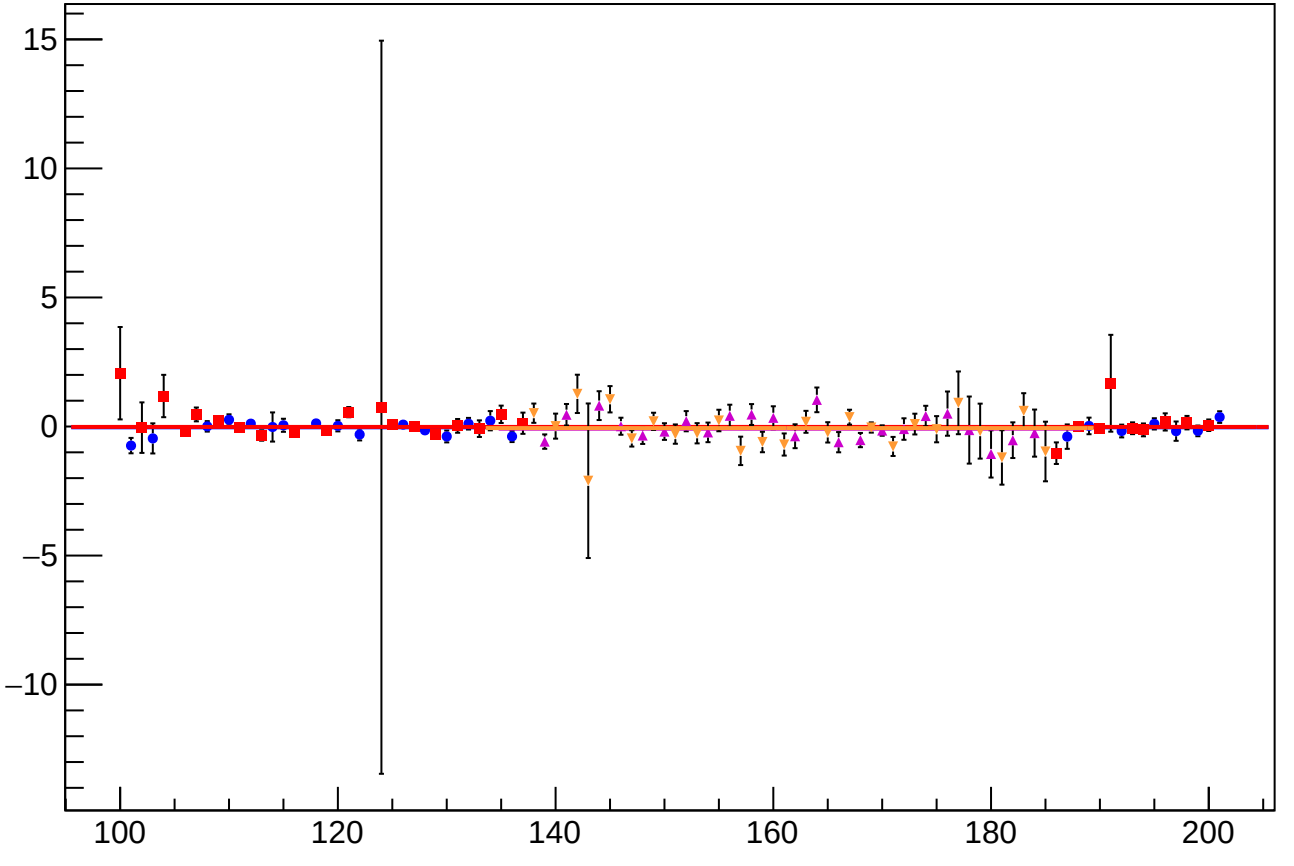
Right: 0.004+/-0.000 χ^2/NDF: 27239948.0/50

In: 0.006+/-0.000 χ^2/NDF:15138924.5/45

Out: 0.003+/-0.000 χ^2/NDF:31202959.9/52

All: 0.004+/-0.000 χ^2/NDF: 51378643.6/98

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: -0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

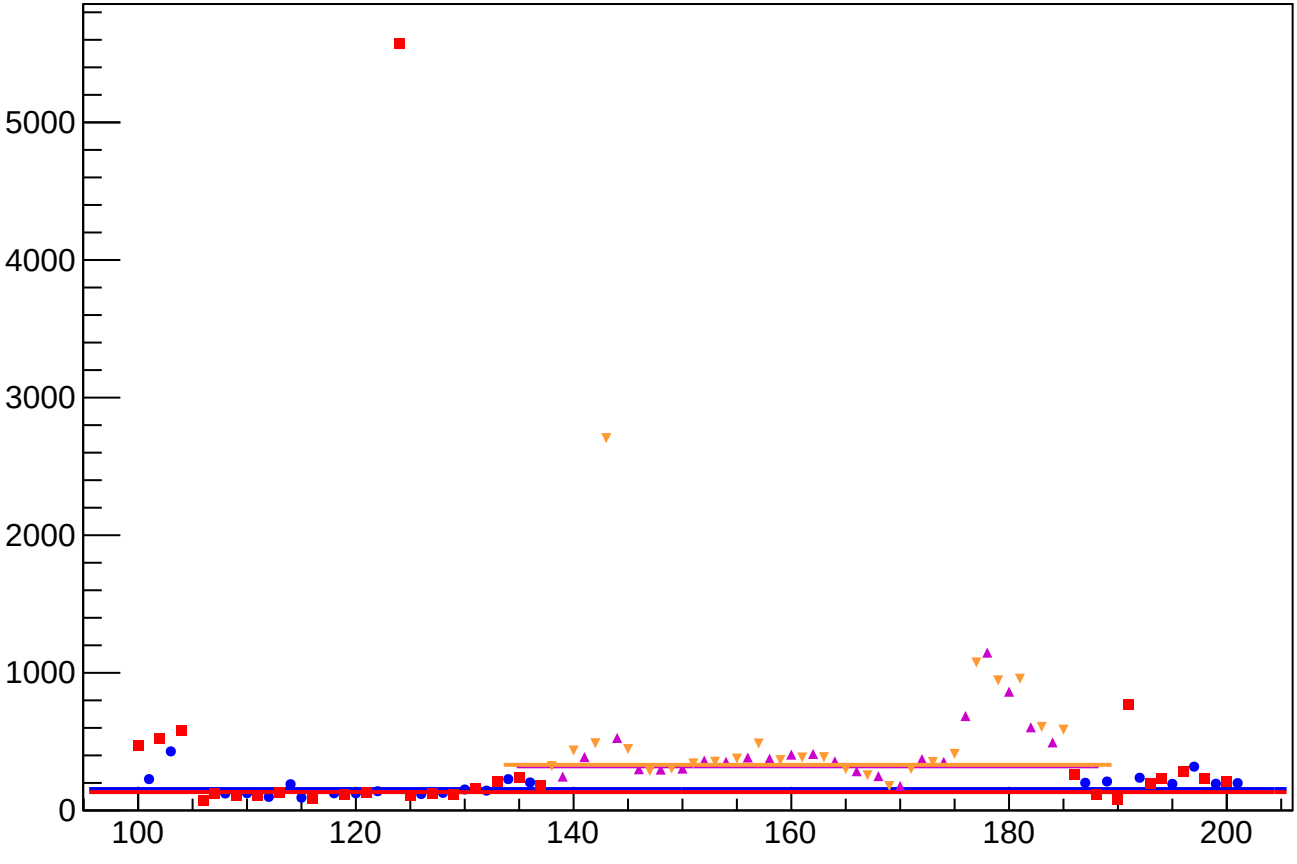
Right: -0.022+/-0.032 χ^2/NDF: 59.8/50

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.034+/-0.028 χ^2/NDF: 118.2/98

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: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

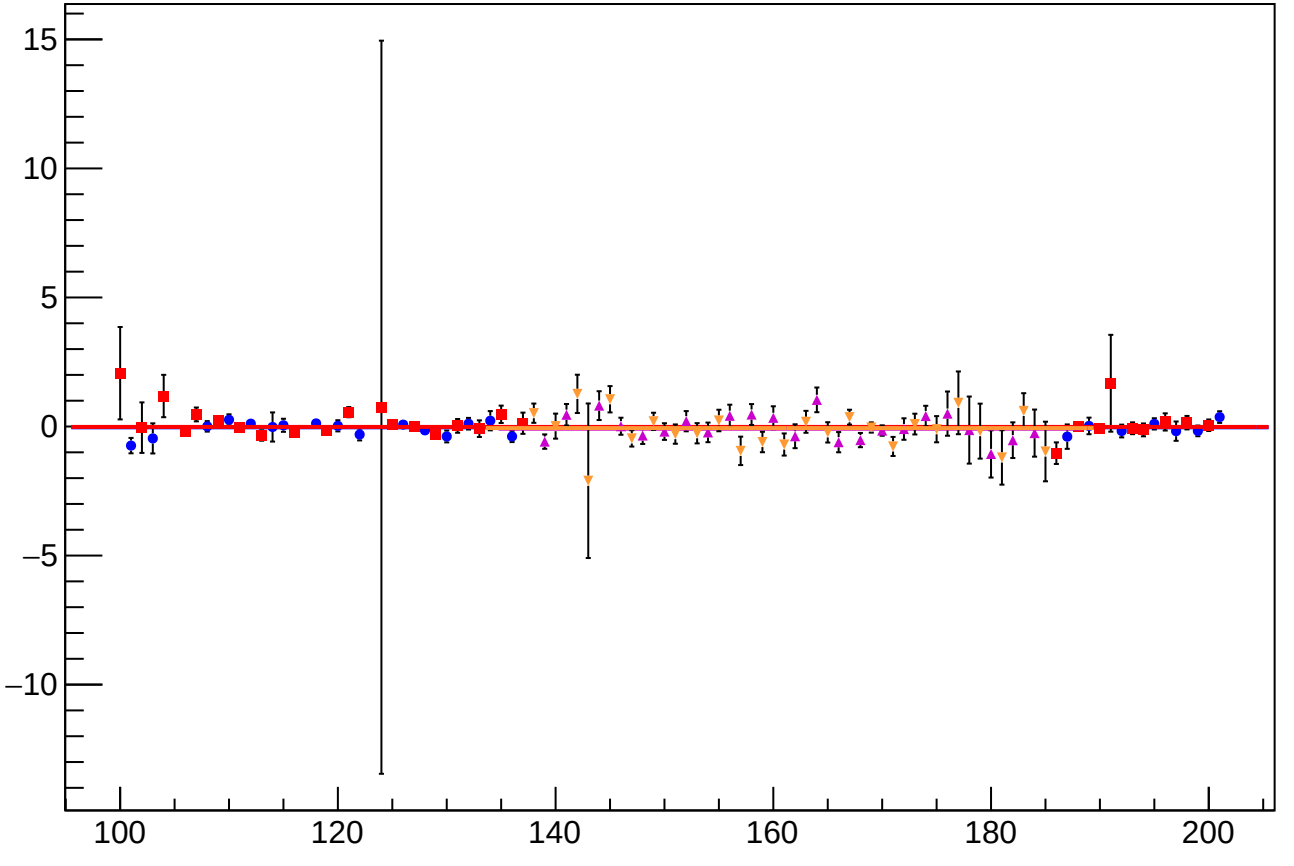
Right: 142.847+/-0.022 χ^2/NDF: 6905825.9/50

In: 199.138+/-0.030 χ^2/NDF:12711168.2/45

Out: 173.350+/-0.027 χ^2/NDF:19111771.6/52

All: 184.890+/-0.020 χ^2/NDF: 32245061.2/98

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: -0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

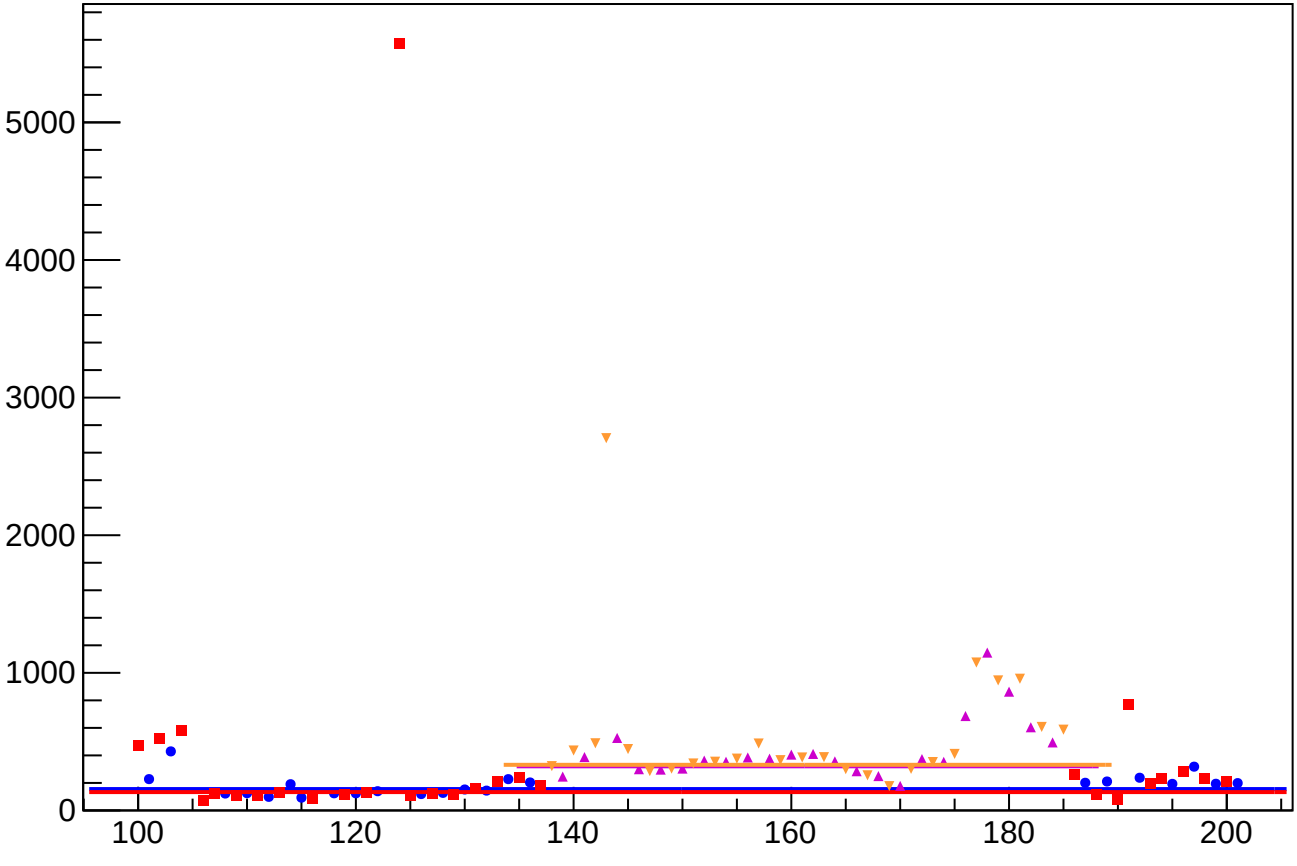
Right: -0.022+/-0.032 χ^2/NDF: 59.8/50

In: -0.045+/-0.042 χ^2/NDF:50.3/45

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.034+/-0.028 χ^2/NDF: 118.2/98

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: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

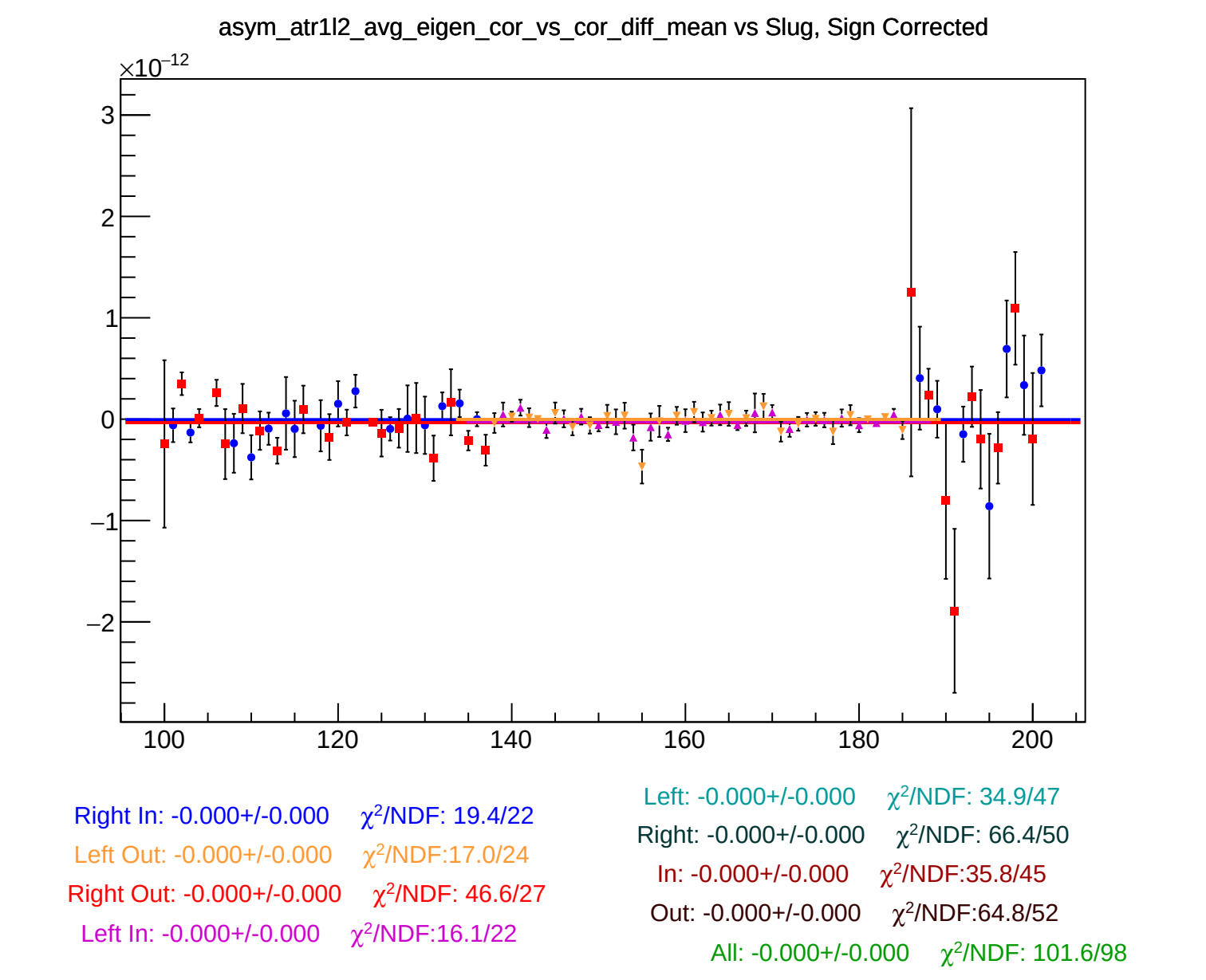
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

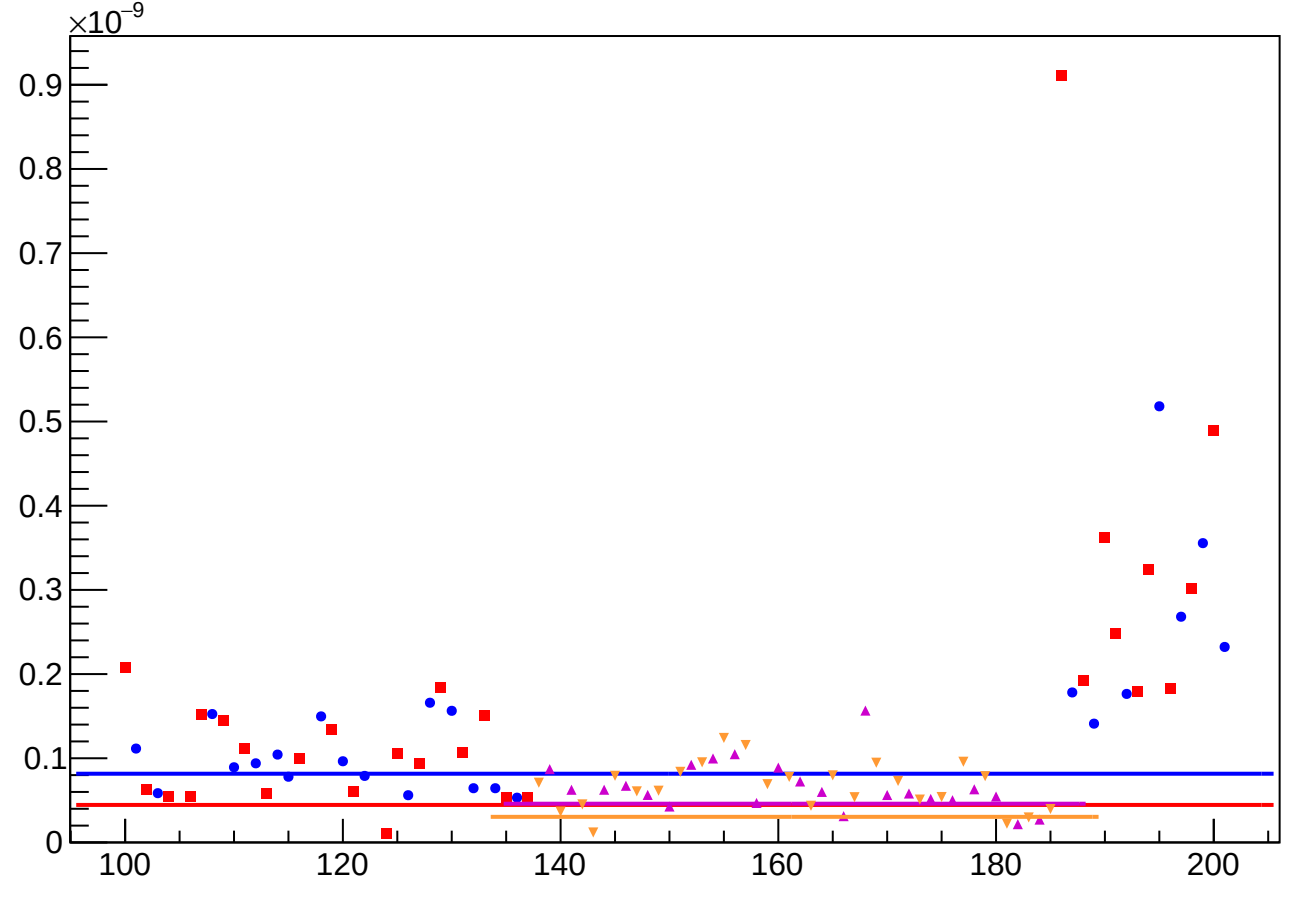
Right: 142.847+/-0.022 χ^2/NDF: 6905825.9/50

In: 199.138+/-0.030 χ^2/NDF:12711168.2/45

Out: 173.350+/-0.027 χ^2/NDF:19111771.6/52

All: 184.890+/-0.020 χ^2/NDF: 32245061.2/98


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: 46.6/27
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: 66.4/50
In: -0.000+/-0.000 χ²/NDF:35.8/45
Out: -0.000+/-0.000 χ²/NDF:64.8/52
All: -0.000+/-0.000 χ²/NDF: 101.6/98



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: 8697109.3/27

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

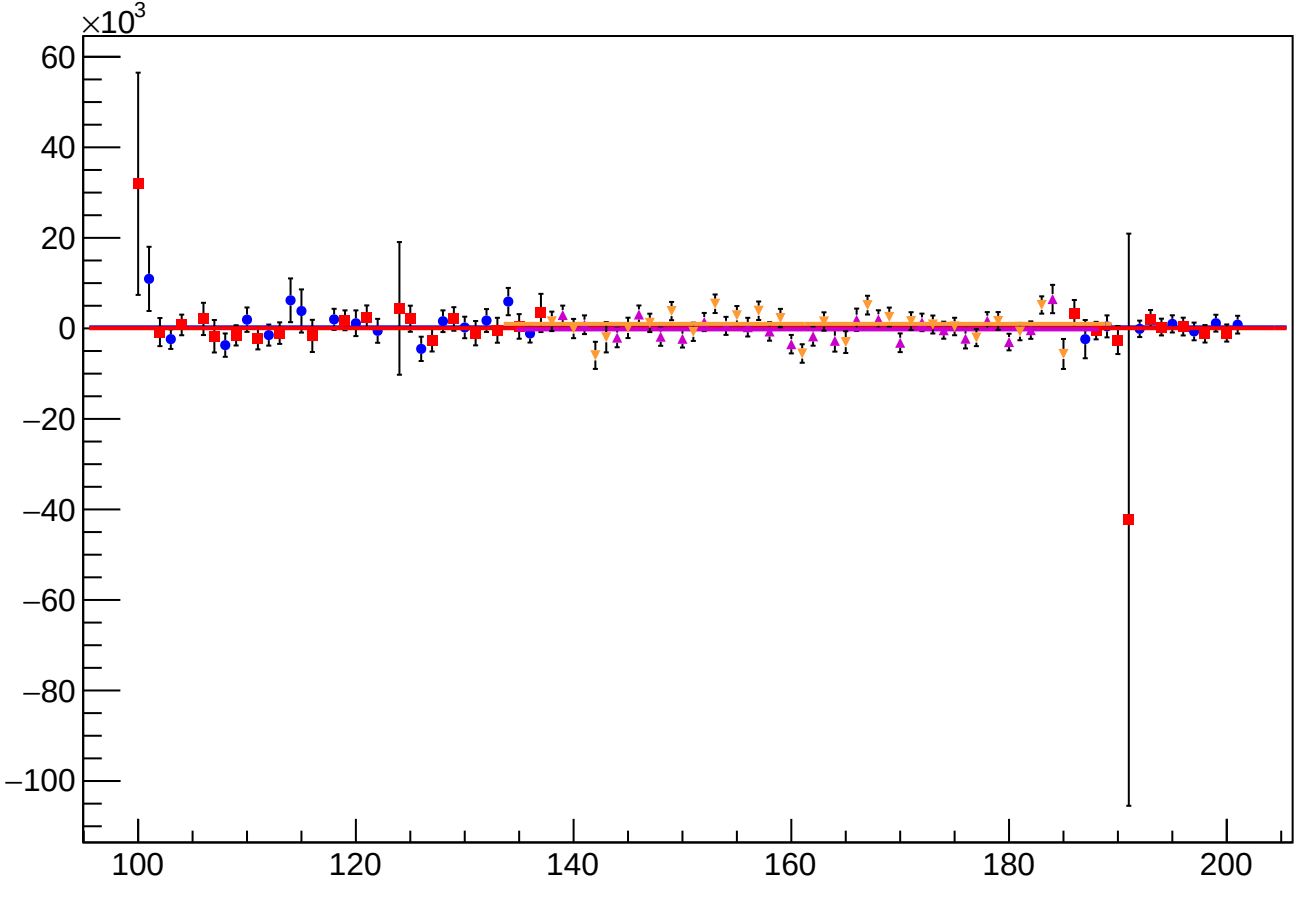
Right: 0.000+/-0.000 χ^2/NDF: 13808449.8/50

In: 0.000+/-0.000 χ^2/NDF:10266589.8/45

Out: 0.000+/-0.000 χ^2/NDF:19753937.2/52

All: 0.000+/-0.000 χ^2/NDF: 32435022.2/98

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: 35.746+/-490.821 χ^2/NDF: 13.1/27

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

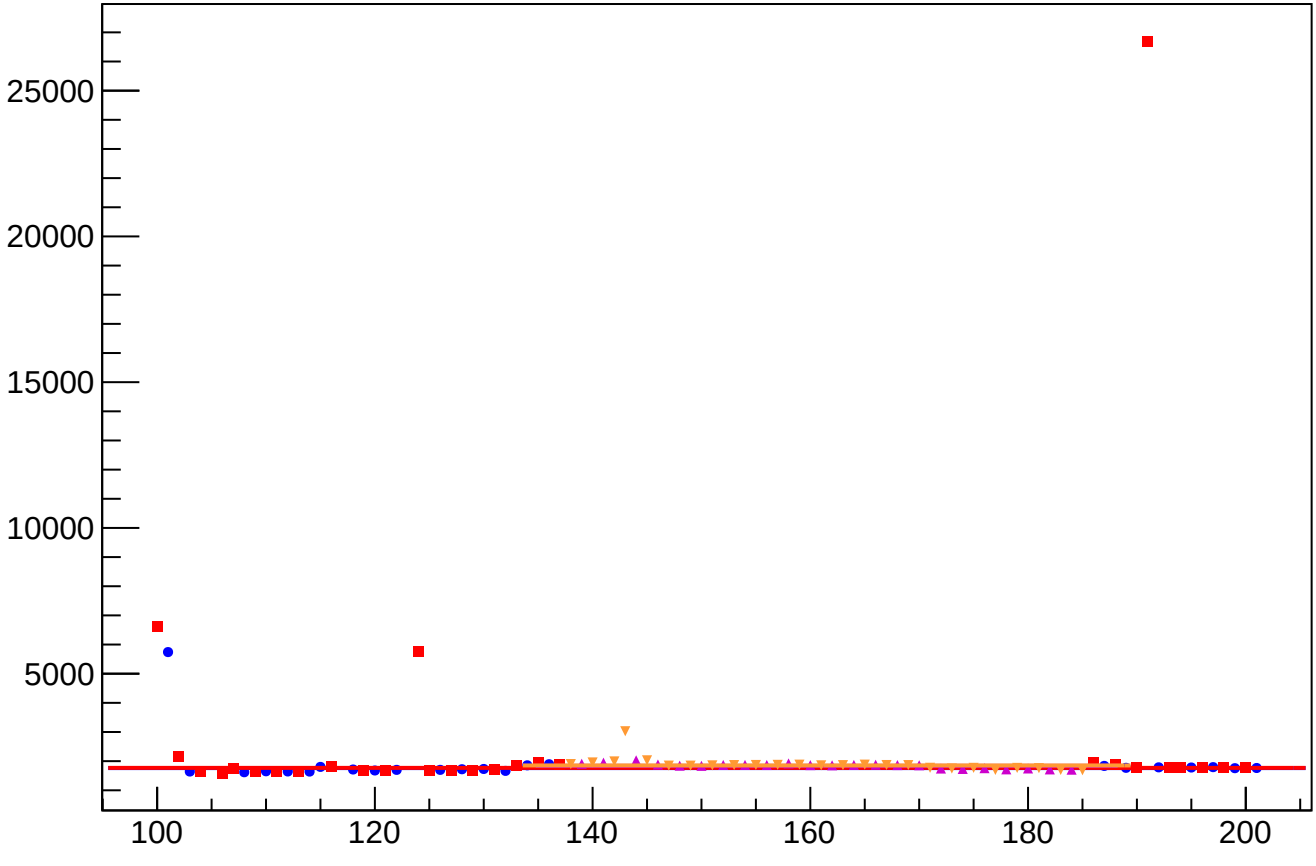
Right: 129.691+/-353.244 χ^2/NDF: 31.9/50

In: -37.830+/-328.285 χ^2/NDF:45.7/45

Out: 591.903+/-320.242 χ^2/NDF:62.7/52

All: 284.845+/-229.236 χ^2/NDF: 110.2/98

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: 1769.122+/-0.346 χ^2/NDF: 637968.3/27

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

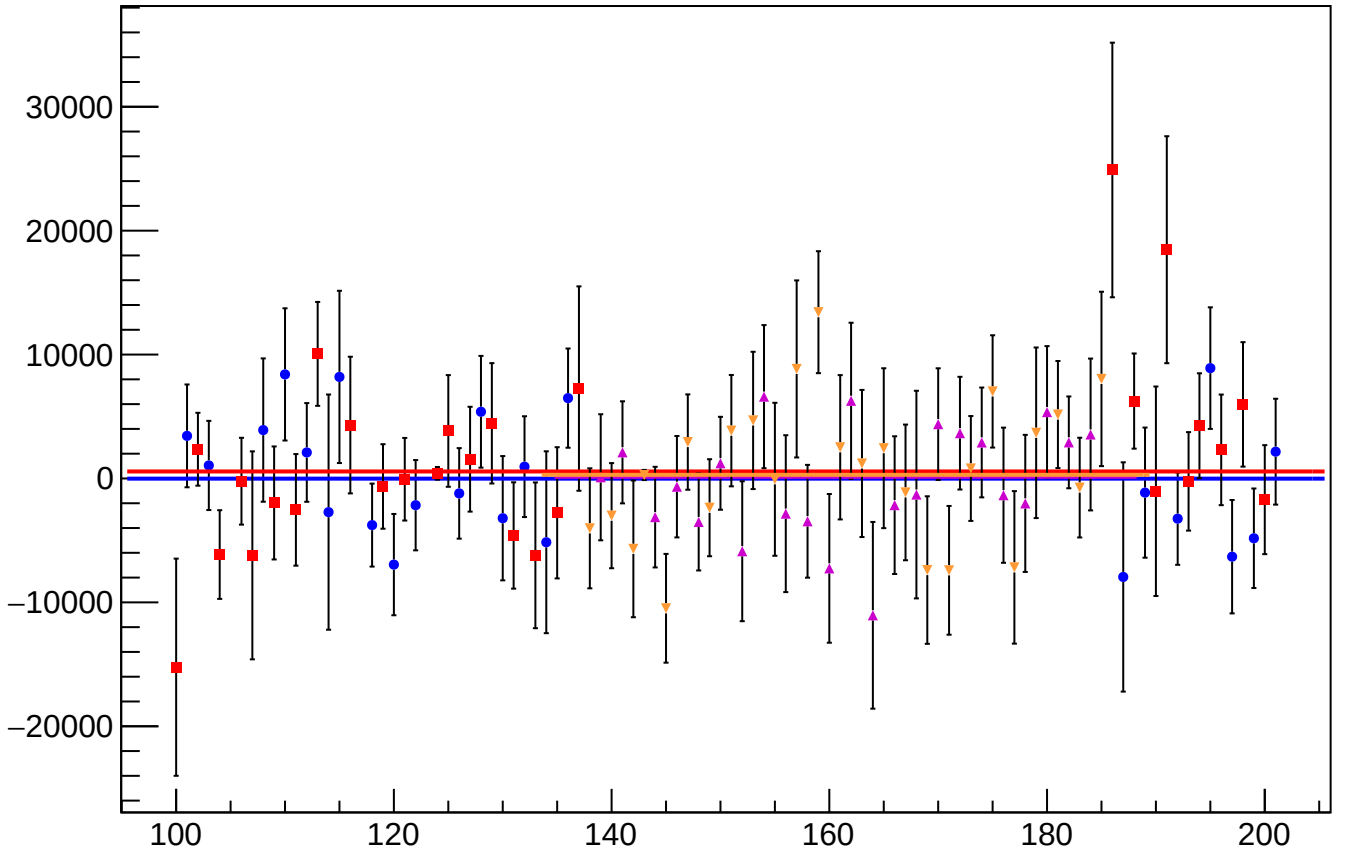
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.716+/-0.249 χ^2/NDF: 1310235.0/50

In: 1806.678+/-0.232 χ^2/NDF:766934.9/45

Out: 1816.856+/-0.226 χ^2/NDF:992336.9/52

All: 1811.902+/-0.162 χ^2/NDF: 1760258.5/98



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: 565.842+/-441.424 χ^2/NDF: 33.5/27

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

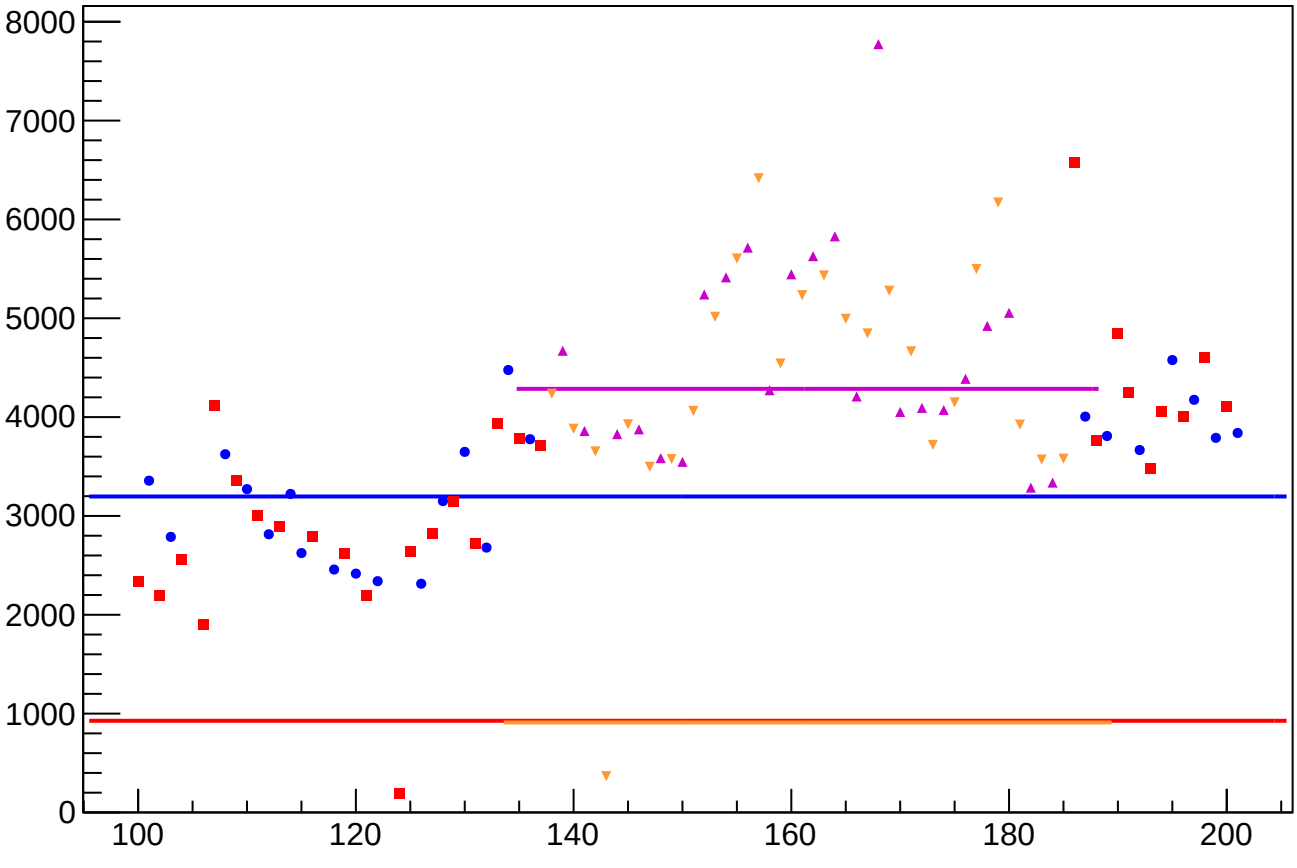
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 459.571+/-398.955 χ^2/NDF: 57.4/50

In: 54.920+/-689.015 χ^2/NDF:37.4/45

Out: 409.913+/-287.955 χ^2/NDF:63.8/52

All: 357.129+/-265.686 χ^2/NDF: 101.4/98



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: 927.483+/-0.312 χ^2/NDF: 18062974.9/27

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

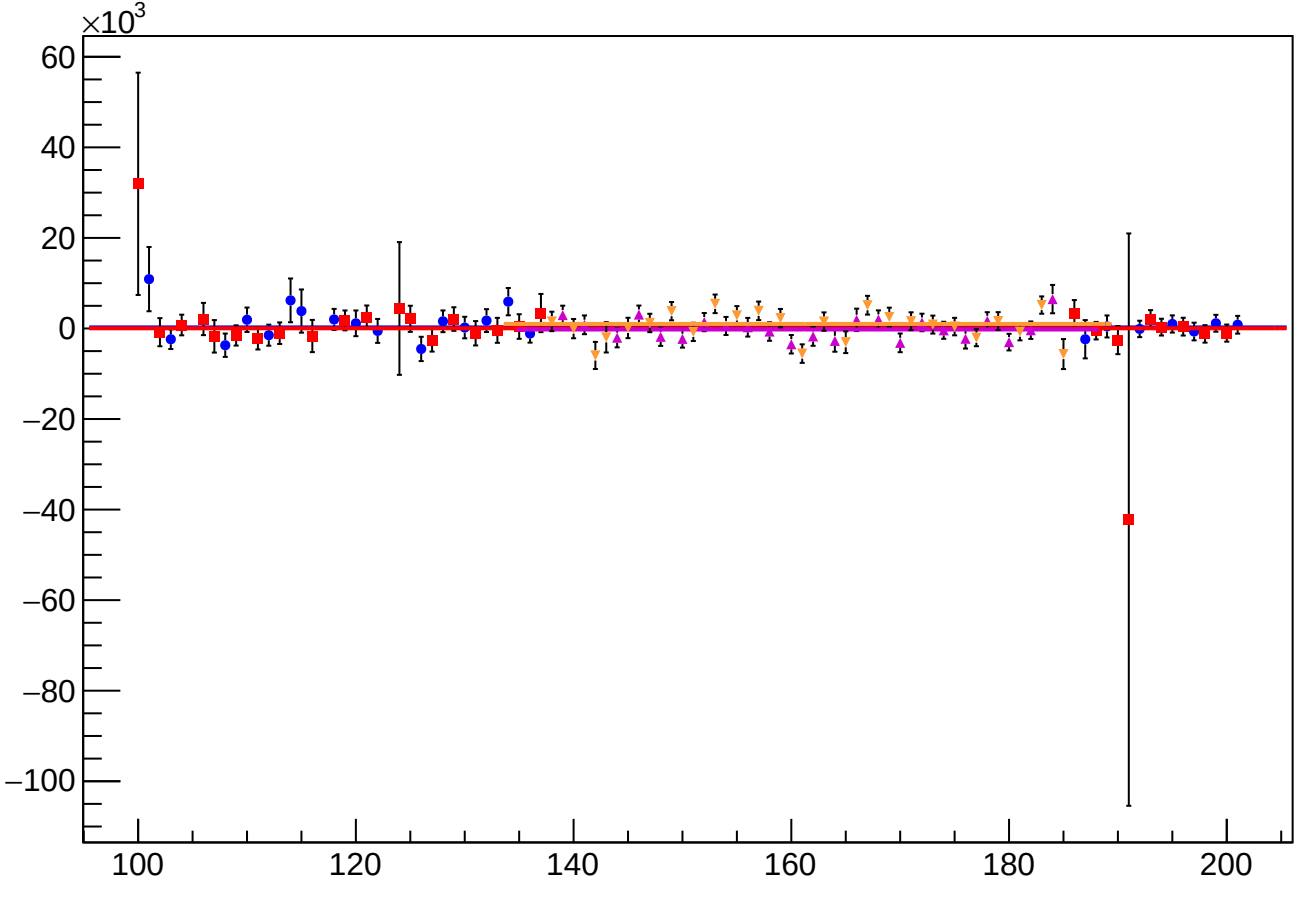
Right: 1343.153+/-0.282 χ^2/NDF: 28779321.1/50

In: 3690.937+/-0.487 χ^2/NDF:3600066.7/45

Out: 917.517+/-0.204 χ^2/NDF:44838873.4/52

All: 1329.896+/-0.188 χ^2/NDF: 76025145.1/9

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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: 35.726+/-490.821 χ^2/NDF: 13.1/27

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

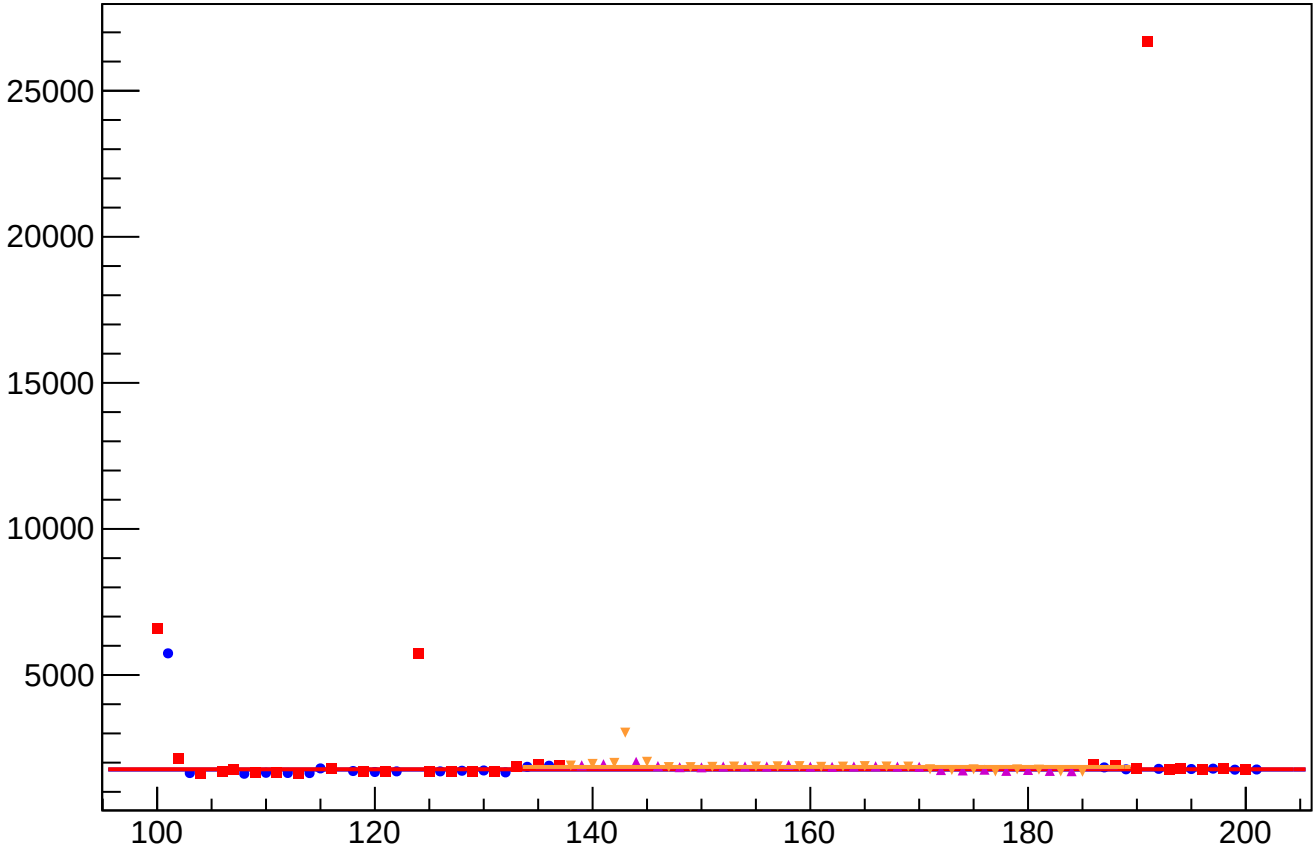
Right: 129.587+/-353.244 χ^2/NDF: 31.9/50

In: -37.861+/-328.285 χ^2/NDF:45.6/45

Out: 591.870+/-320.242 χ^2/NDF:62.7/52

All: 284.814+/-229.236 χ^2/NDF: 110.2/98

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: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

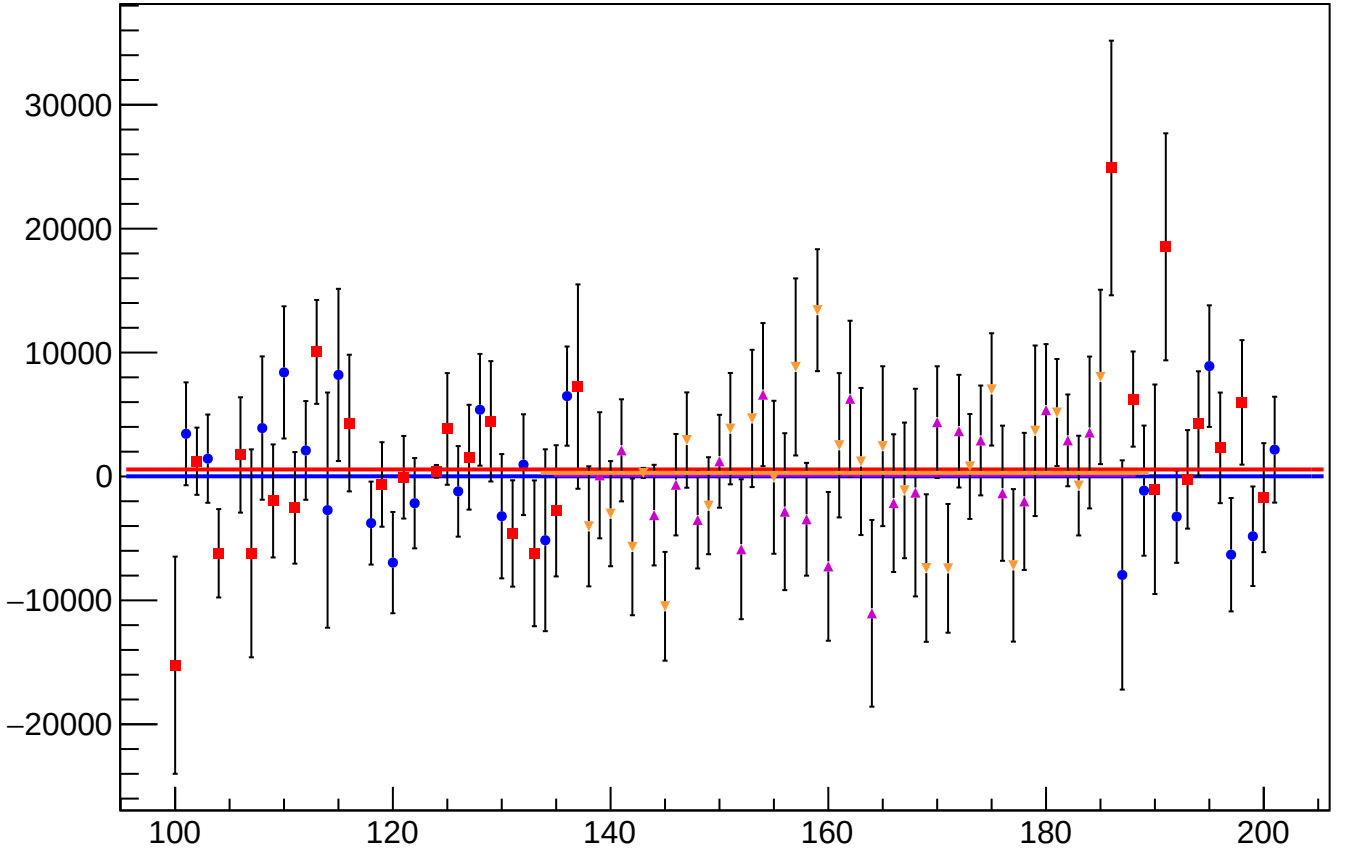
Right: 1767.730+/-0.250 χ^2/NDF: 1302130.2/50

In: 1806.678+/-0.232 χ^2/NDF:766935.2/45

Out: 1818.601+/-0.226 χ^2/NDF:980840.1/52

All: 1812.793+/-0.162 χ^2/NDF: 1749128.2/98

asym_atr1l2_dd_cor_correction_mean vs Slug, Sign Corrected



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: 564.646+/-442.242 χ^2/NDF: 33.3/27

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

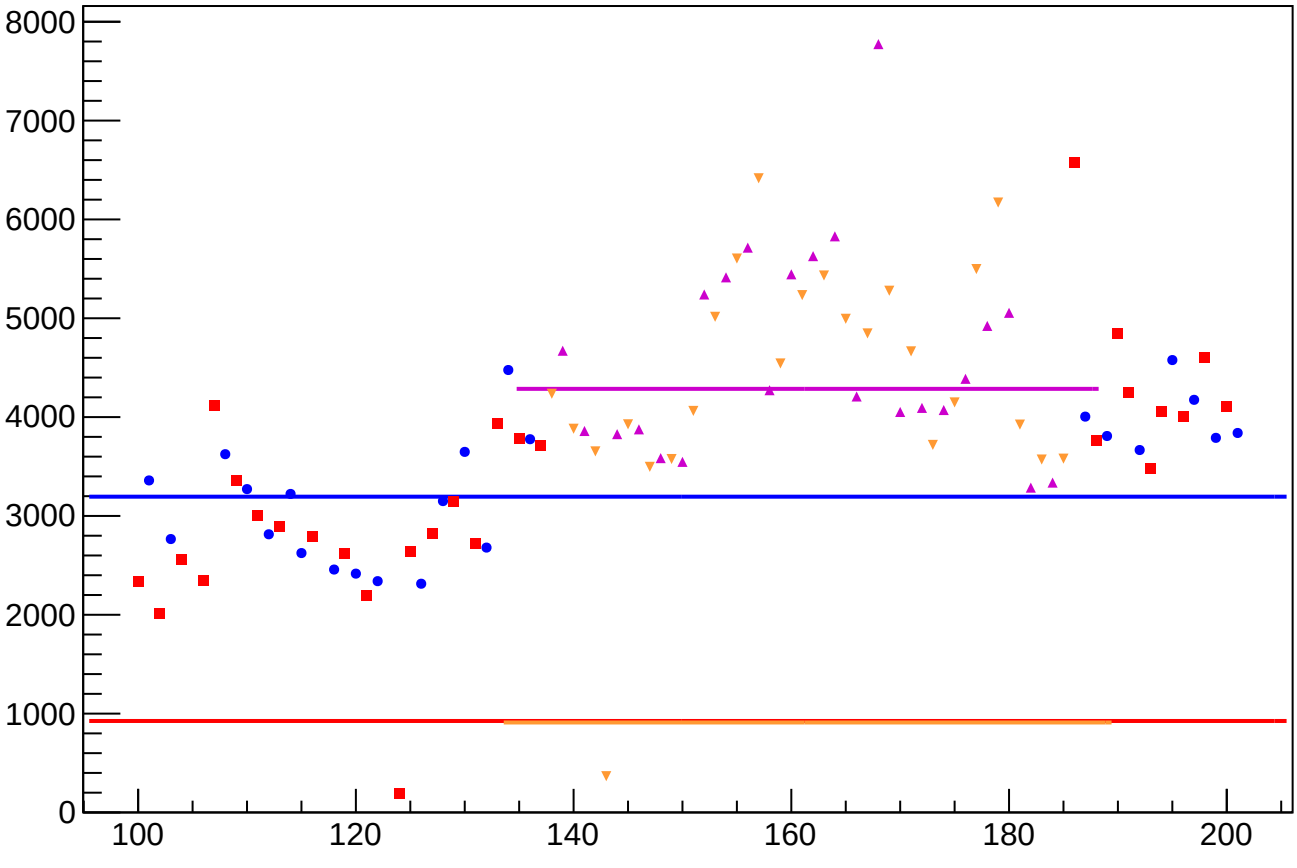
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 463.300+/-399.509 χ^2/NDF: 57.2/50

In: 70.125+/-688.760 χ^2/NDF:37.5/45

Out: 409.688+/-288.195 χ^2/NDF:63.6/52

All: 359.095+/-265.860 χ^2/NDF: 101.3/98



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: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

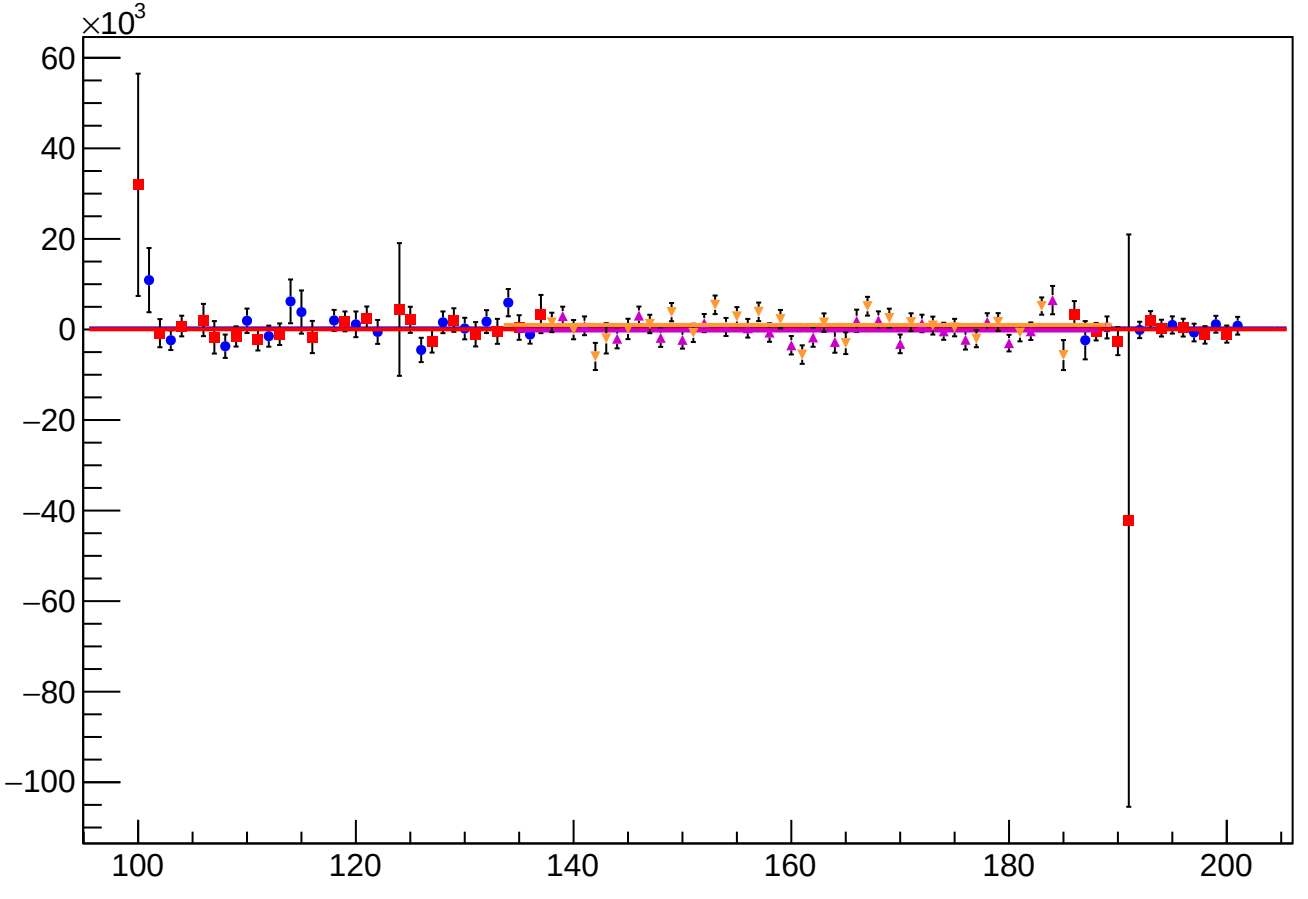
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1342.913+/-0.282 χ^2/NDF: 28755552.6/50

In: 3689.490+/-0.487 χ^2/NDF:3608862.6/45

Out: 916.739+/-0.204 χ^2/NDF:44806022.4/52

All: 1329.863+/-0.188 χ^2/NDF: 75998353.9/9



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: 35.726+/-490.821 χ^2/NDF: 13.1/27

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

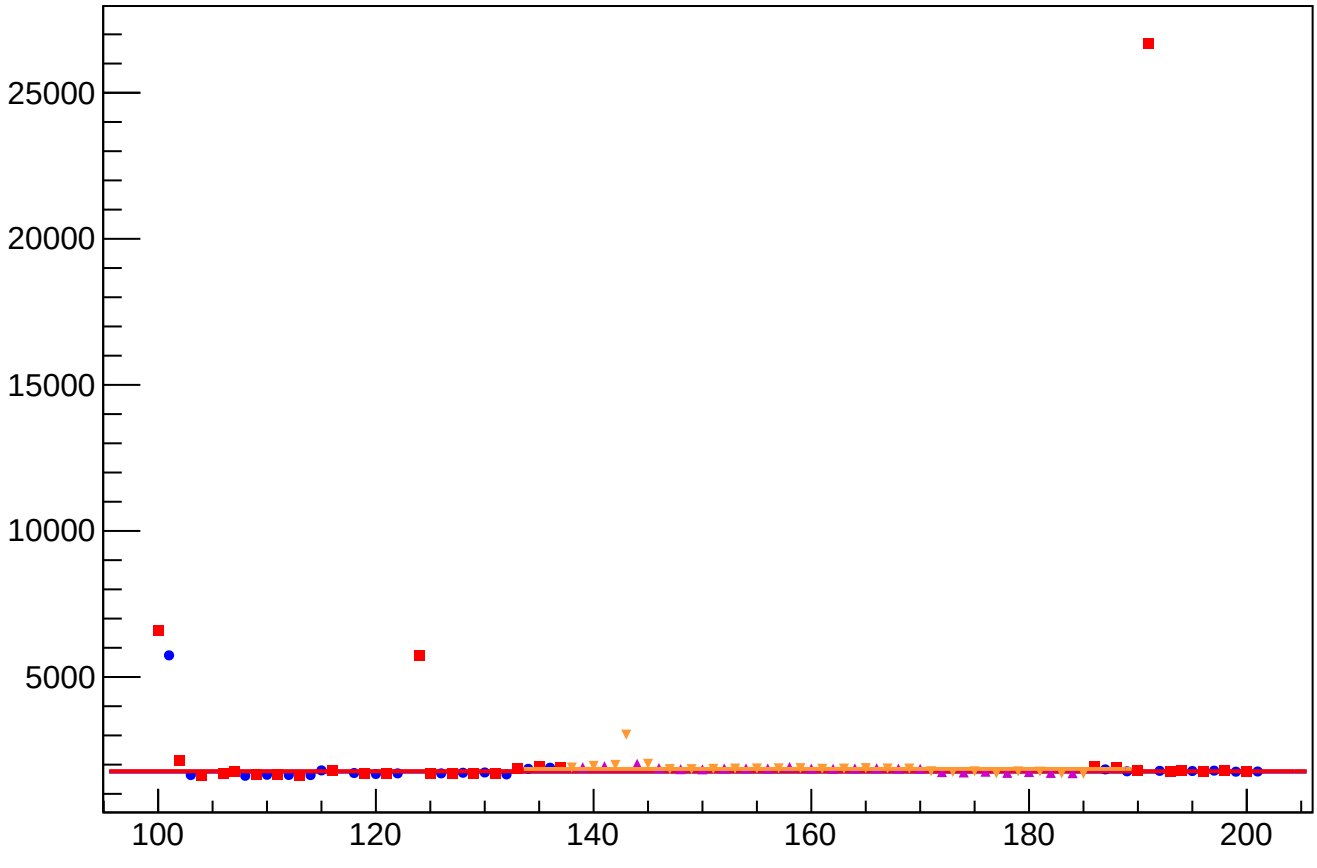
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 129.587+/-353.244 χ^2/NDF: 31.9/50

In: -37.861+/-328.285 χ^2/NDF:45.6/45

Out: 591.870+/-320.242 χ^2/NDF:62.7/52

All: 284.814+/-229.236 χ^2/NDF: 110.2/98



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: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

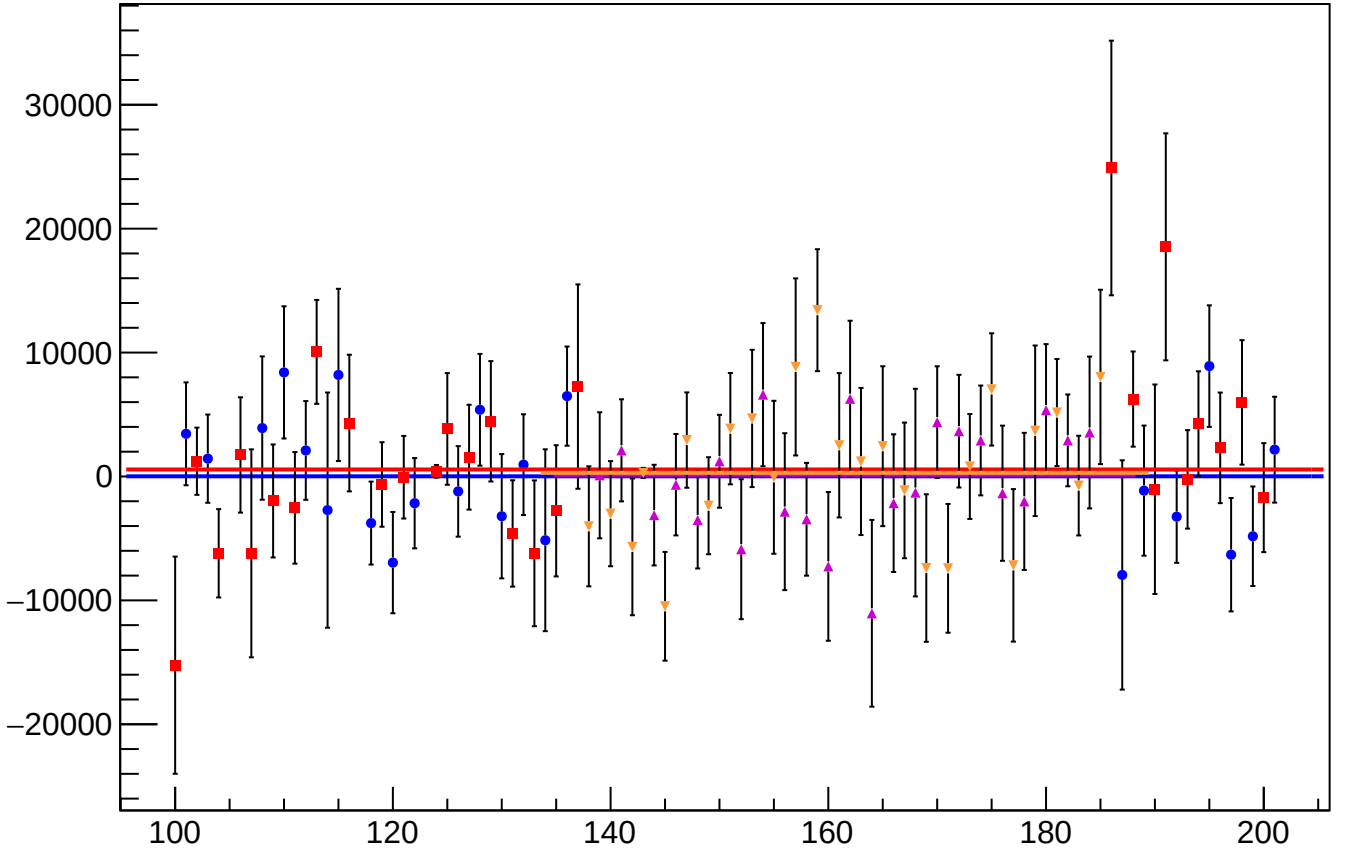
Right: 1767.730+/-0.250 χ^2/NDF: 1302130.2/50

In: 1806.678+/-0.232 χ^2/NDF:766935.2/45

Out: 1818.601+/-0.226 χ^2/NDF:980840.1/52

All: 1812.793+/-0.162 χ^2/NDF: 1749128.2/98

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 564.646+/-442.242 χ^2/NDF: 33.3/27

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

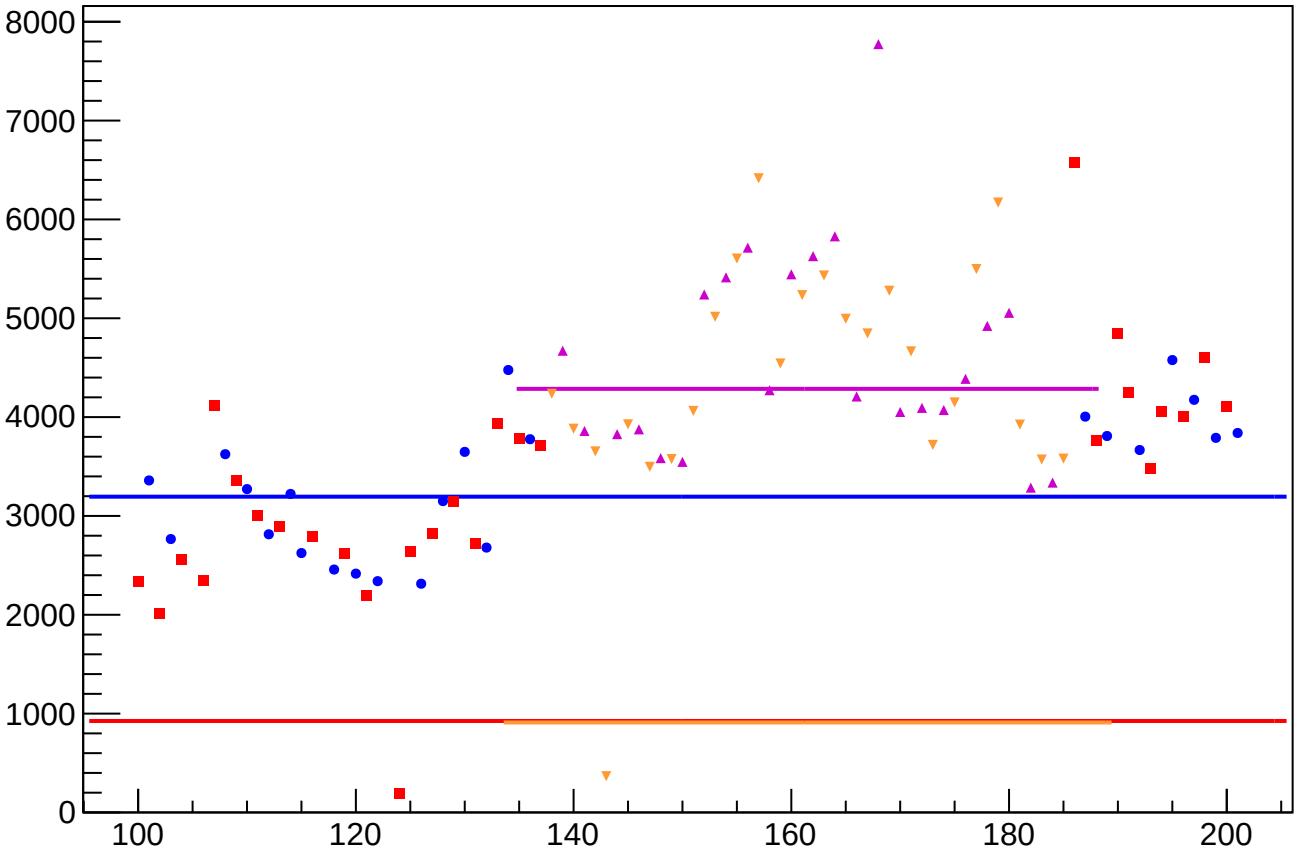
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 463.300+/-399.509 χ^2/NDF: 57.2/50

In: 70.125+/-688.760 χ^2/NDF:37.5/45

Out: 409.688+/-288.195 χ^2/NDF:63.6/52

All: 359.095+/-265.860 χ^2/NDF: 101.3/98



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: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

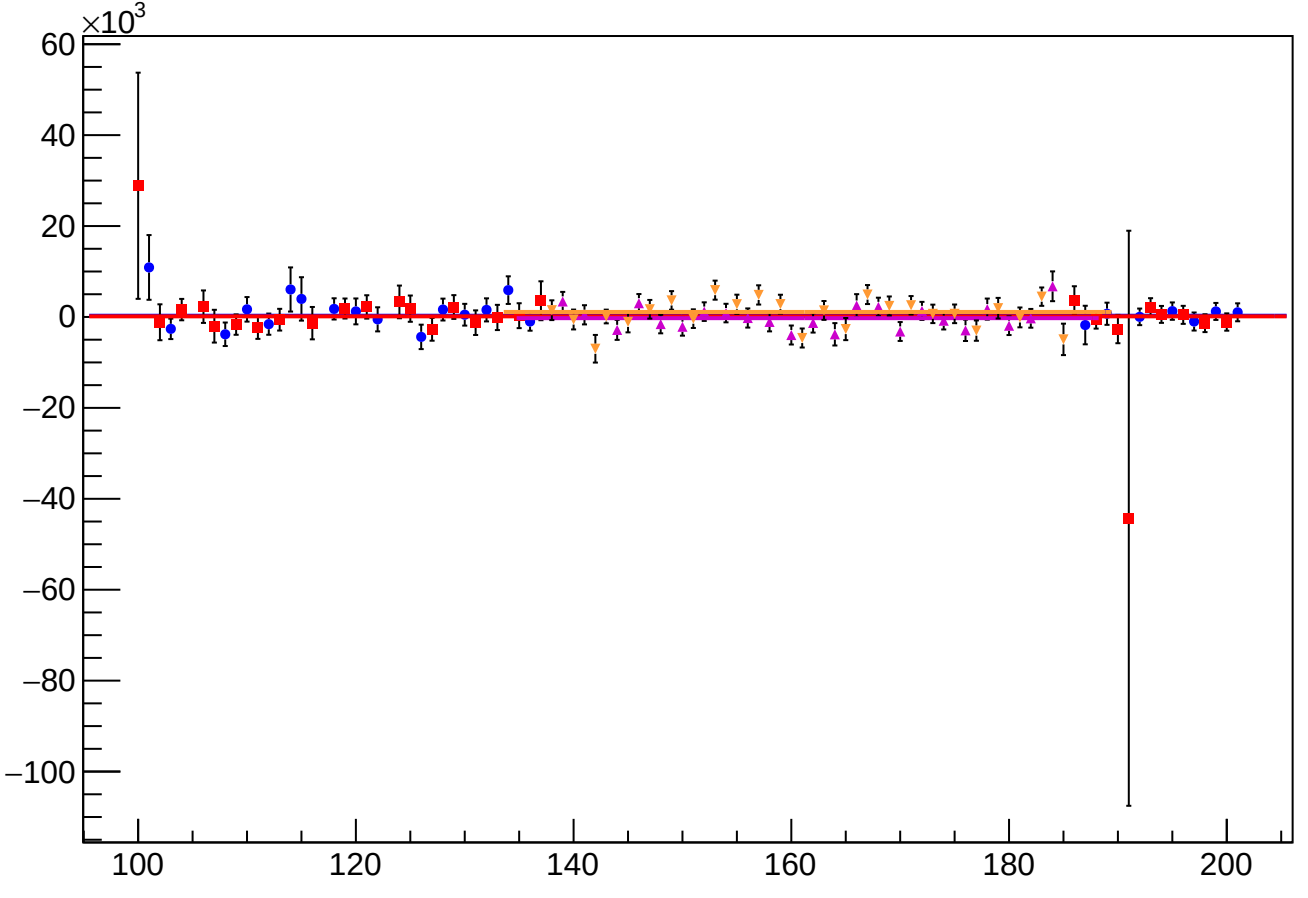
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1342.913+/-0.282 χ^2/NDF: 28755552.6/50

In: 3689.490+/-0.487 χ^2/NDF:3608862.6/45

Out: 916.739+/-0.204 χ^2/NDF:44806022.4/52

All: 1329.863+/-0.188 χ^2/NDF: 75998353.9/9



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: 135.213+/-491.845 χ^2/NDF: 14.6/27

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

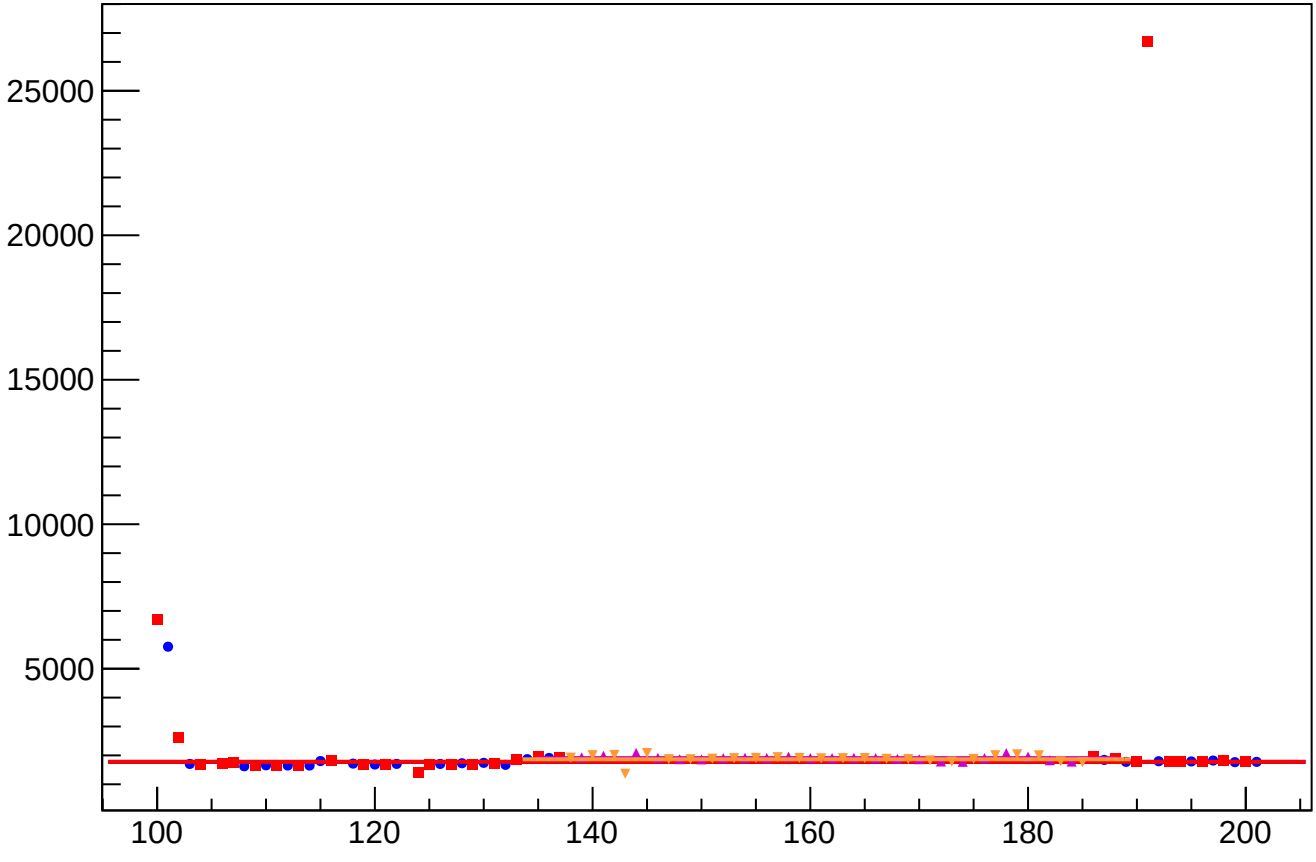
Right: 200.258+/-354.786 χ^2/NDF: 33.3/50

In: -34.125+/-336.096 χ^2/NDF:47.0/45

Out: 689.112+/-321.716 χ^2/NDF:61.6/52

All: 343.296+/-232.405 χ^2/NDF: 111.0/98

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: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

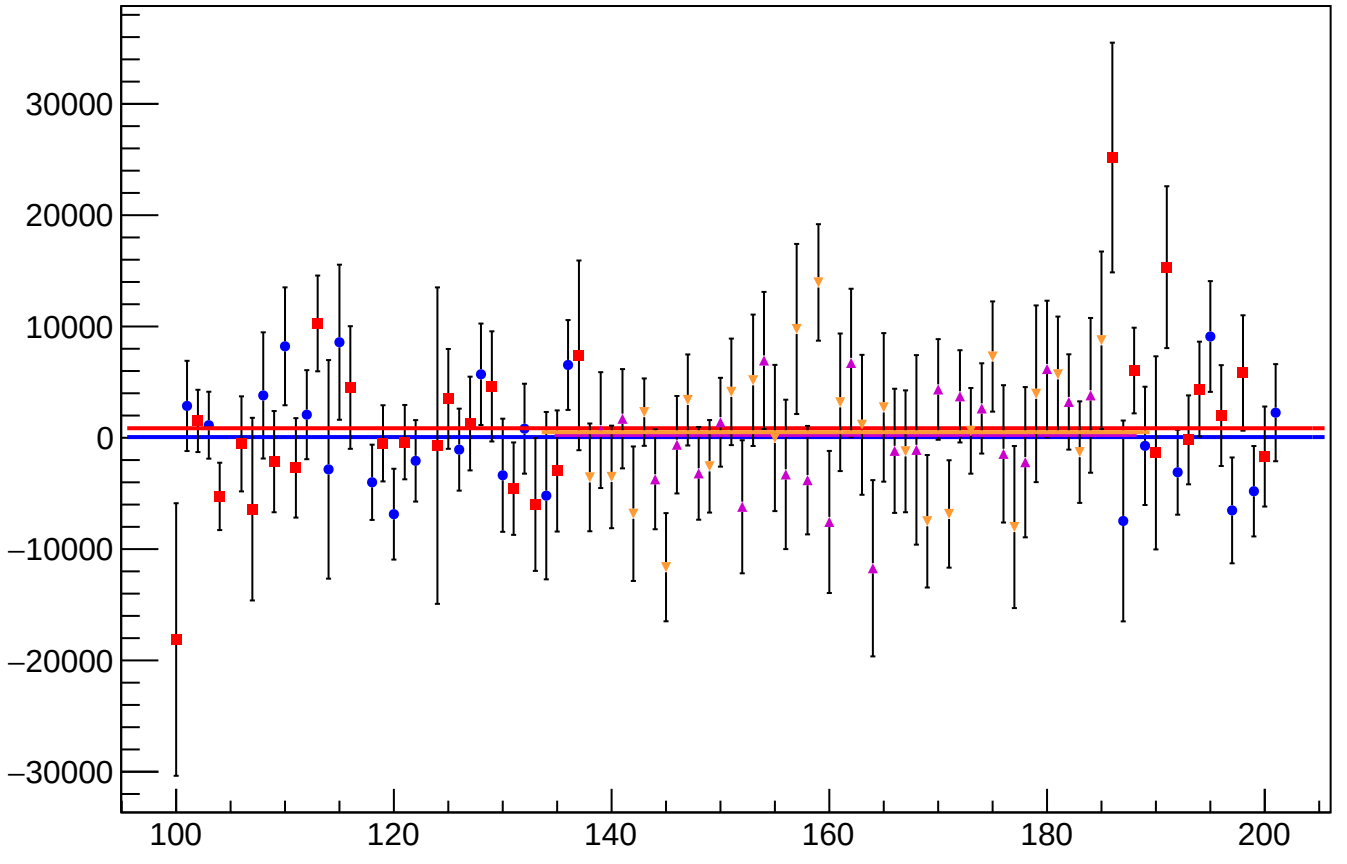
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.618+/-0.251 χ^2/NDF: 1232238.6/50

In: 1848.999+/-0.238 χ^2/NDF:798487.9/45

Out: 1827.202+/-0.227 χ^2/NDF:892867.3/52

All: 1837.617+/-0.164 χ^2/NDF: 1695747.9/98



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: 859.684+/-869.903 χ^2/NDF: 32.5/27

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

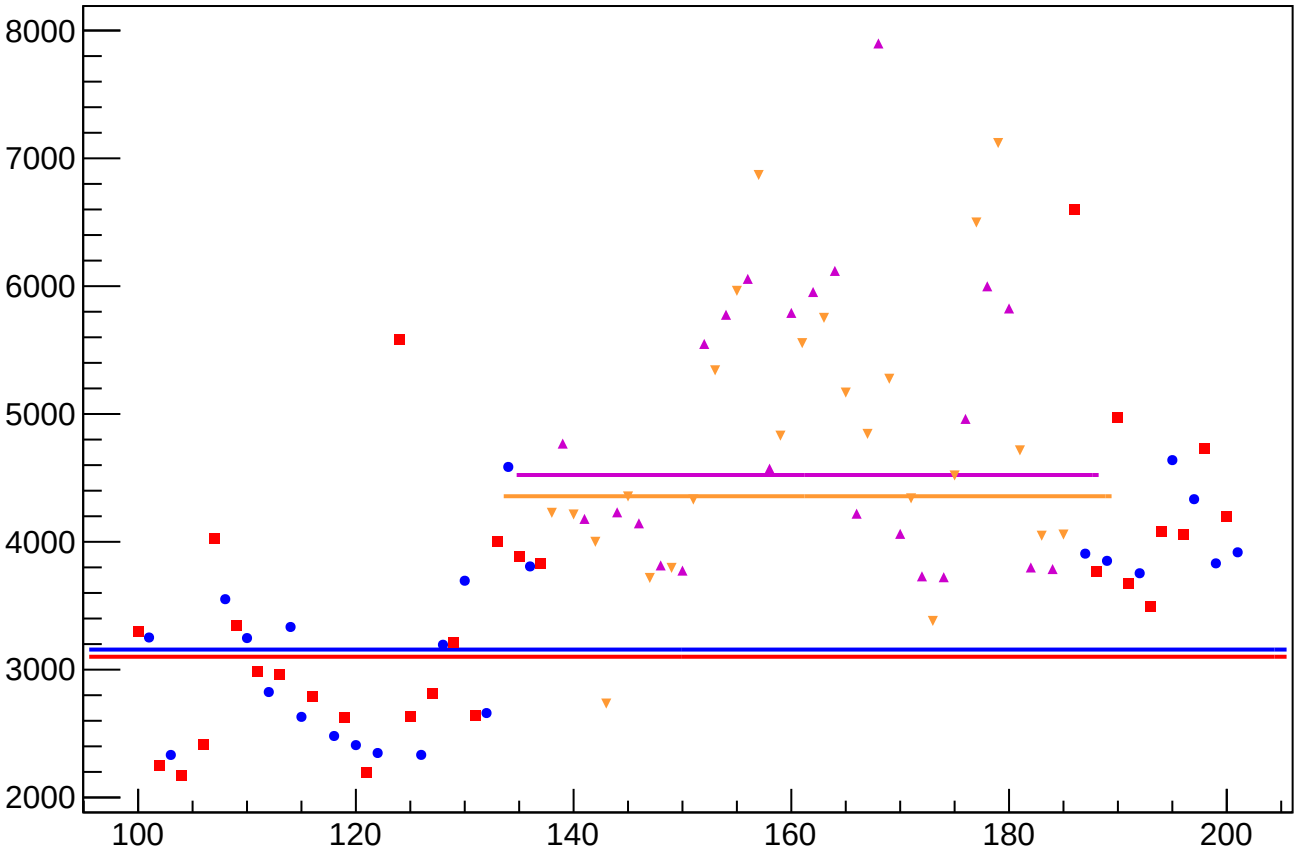
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 486.034+/-633.635 χ^2/NDF: 56.3/50

In: 147.082+/-702.842 χ^2/NDF:37.0/45

Out: 710.309+/-662.342 χ^2/NDF:62.7/52

All: 445.390+/-482.029 χ^2/NDF: 100.0/98



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: 3100.938+/-0.615 χ^2/NDF: 1799405.1/27

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

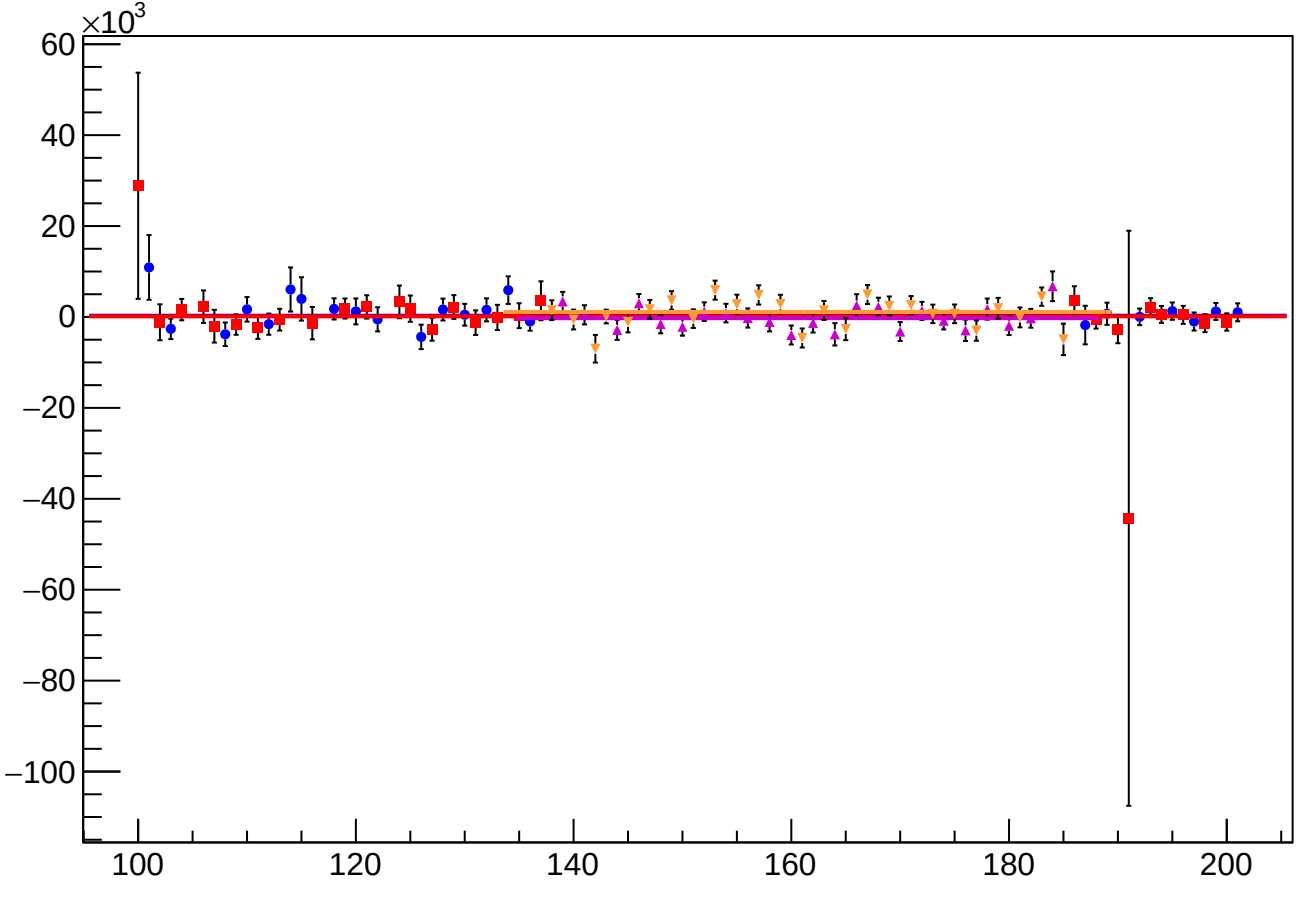
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3127.324+/-0.448 χ^2/NDF: 3025707.9/50

In: 3734.016+/-0.497 χ^2/NDF:4498619.0/45

Out: 3628.678+/-0.468 χ^2/NDF:5463169.2/52

All: 3678.225+/-0.341 χ^2/NDF: 9985582.4/98



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: 135.210+/-491.845 χ^2/NDF: 14.6/27

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

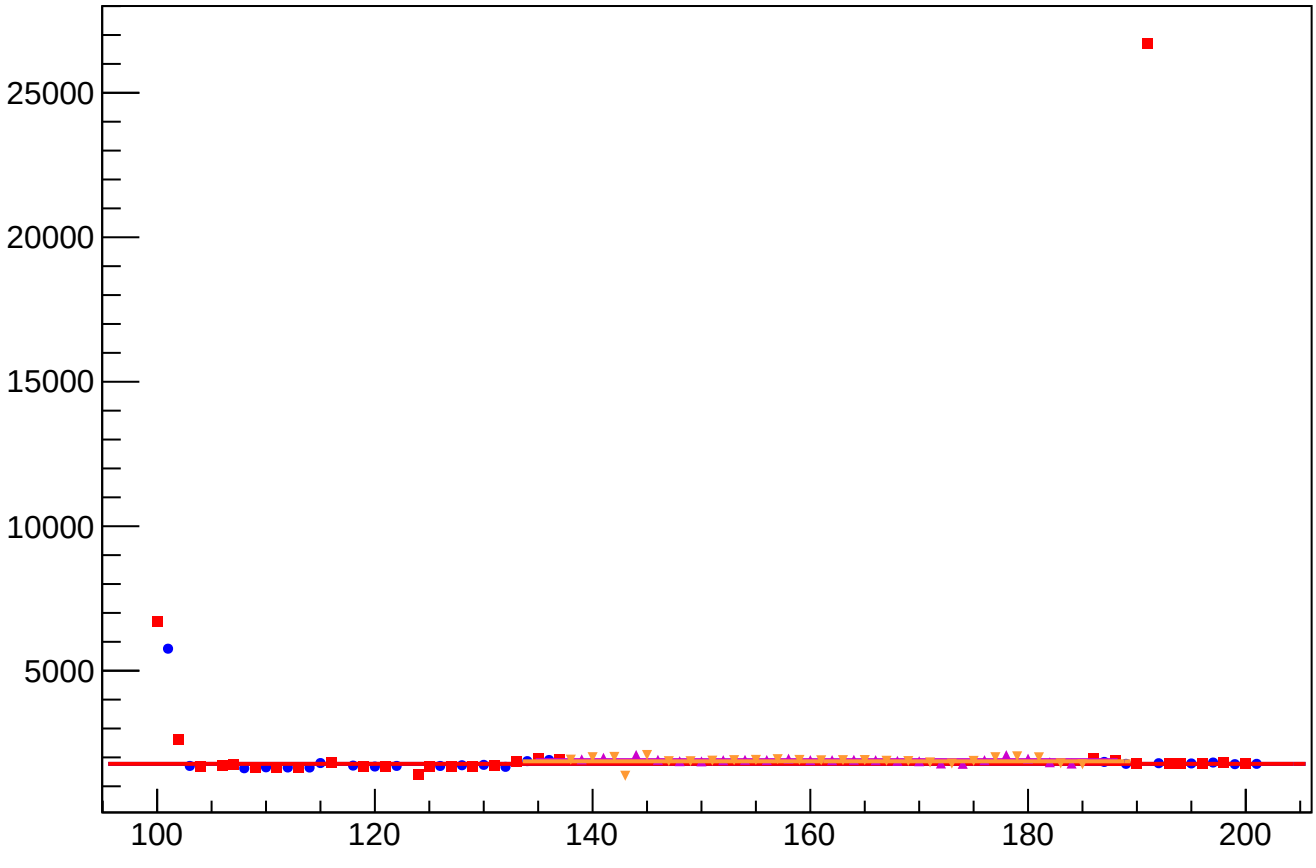
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 200.257+/-354.786 χ^2/NDF: 33.3/50

In: -34.125+/-336.096 χ^2/NDF:47.0/45

Out: 689.112+/-321.716 χ^2/NDF:61.6/52

All: 343.297+/-232.405 χ^2/NDF: 111.0/98



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: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

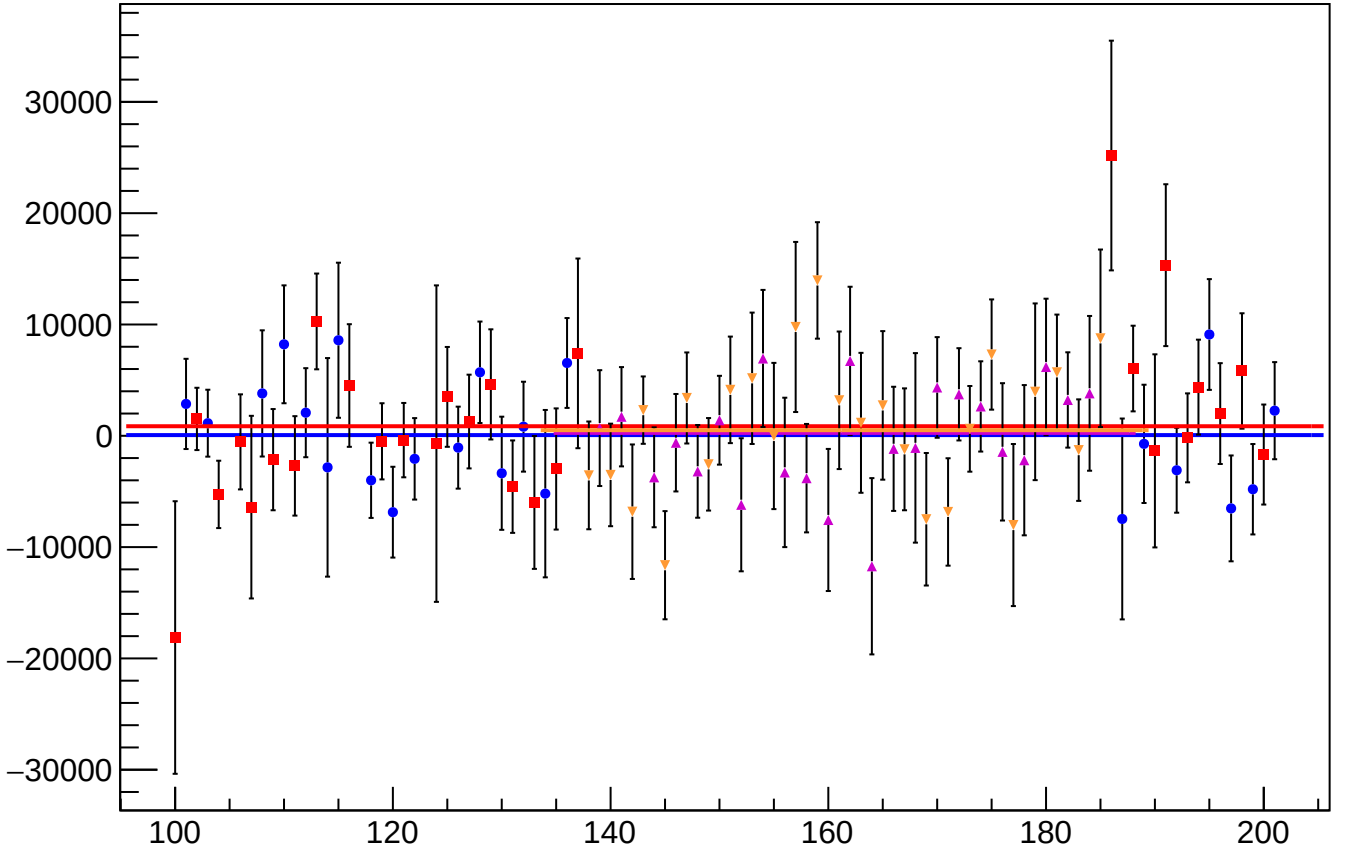
Right: 1775.618+/-0.251 χ^2/NDF: 1232238.7/50

In: 1849.000+/-0.238 χ^2/NDF:798491.3/45

Out: 1827.203+/-0.227 χ^2/NDF:892871.5/52

All: 1837.618+/-0.164 χ^2/NDF: 1695755.5/98

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: 859.680+/-869.902 χ^2/NDF: 32.5/27

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

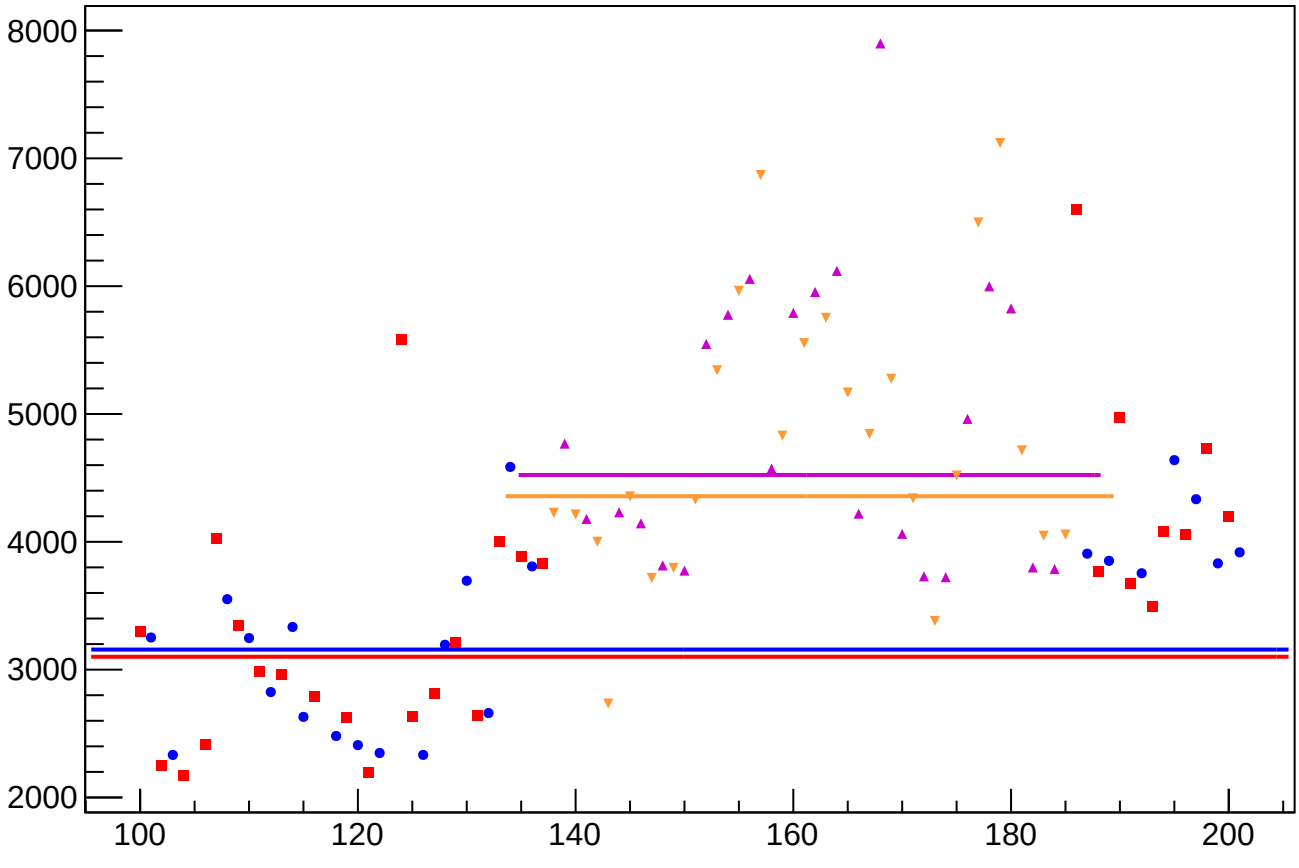
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 486.030+/-633.634 χ^2/NDF: 56.3/50

In: 147.080+/-702.842 χ^2/NDF:37.0/45

Out: 710.309+/-662.342 χ^2/NDF:62.7/52

All: 445.389+/-482.029 χ^2/NDF: 100.0/98



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: 3100.934+/-0.615 χ^2/NDF: 1799413.6/27

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

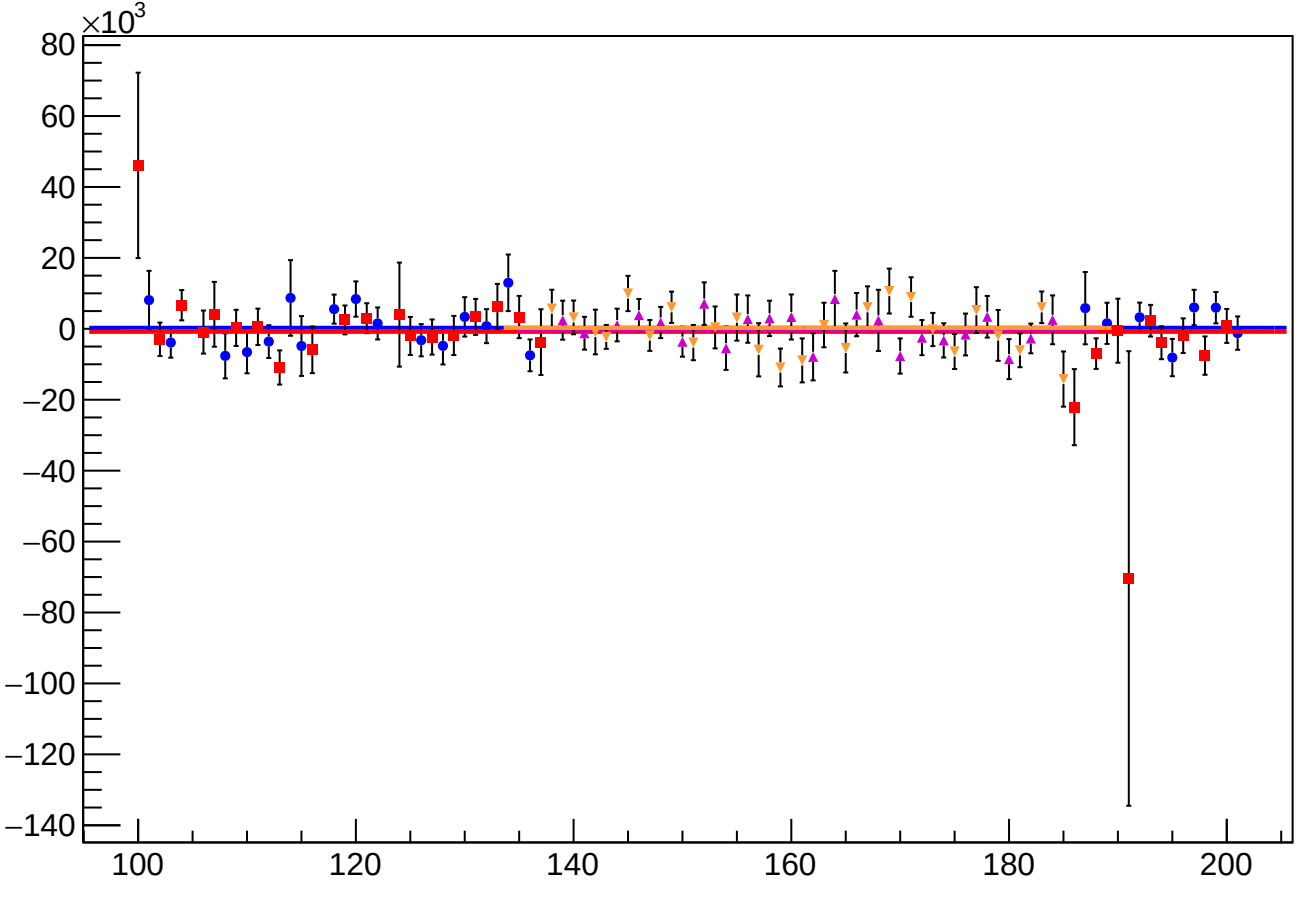
Right: 3127.319+/-0.448 χ^2/NDF: 3025733.1/50

In: 3734.014+/-0.497 χ^2/NDF:4498673.9/45

Out: 3628.676+/-0.468 χ^2/NDF:5463211.8/52

All: 3678.223+/-0.341 χ^2/NDF: 9985679.3/98

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: -855.332+/-1050.784 χ^2/NDF: 25.9/27

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

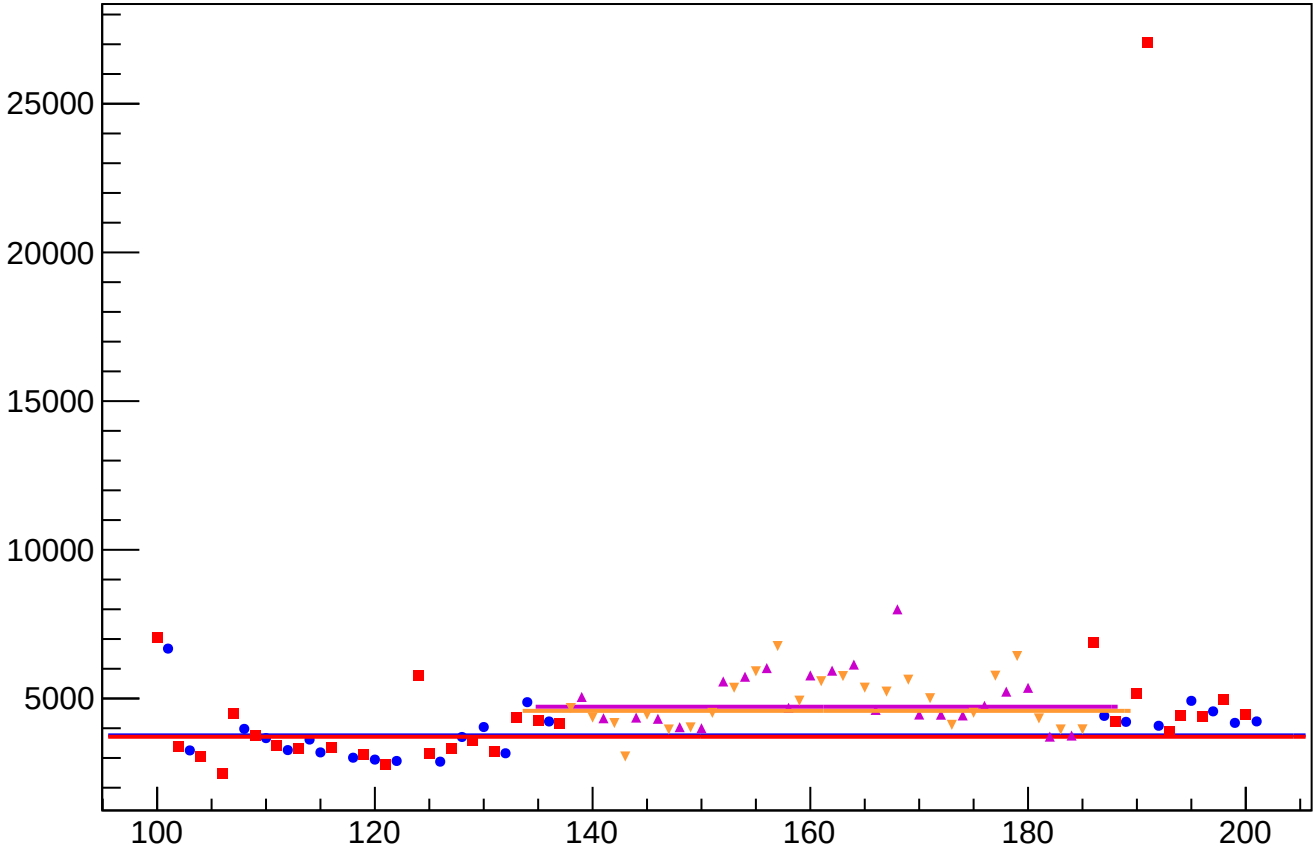
Right: -301.939+/-757.436 χ^2/NDF: 51.1/50

In: -41.698+/-782.617 χ^2/NDF:39.0/45

Out: -314.879+/-747.870 χ^2/NDF:58.6/52

All: -184.488+/-540.691 χ^2/NDF: 97.7/98

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: 3713.824+/-0.736 χ^2/NDF: 1312984.3/27

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

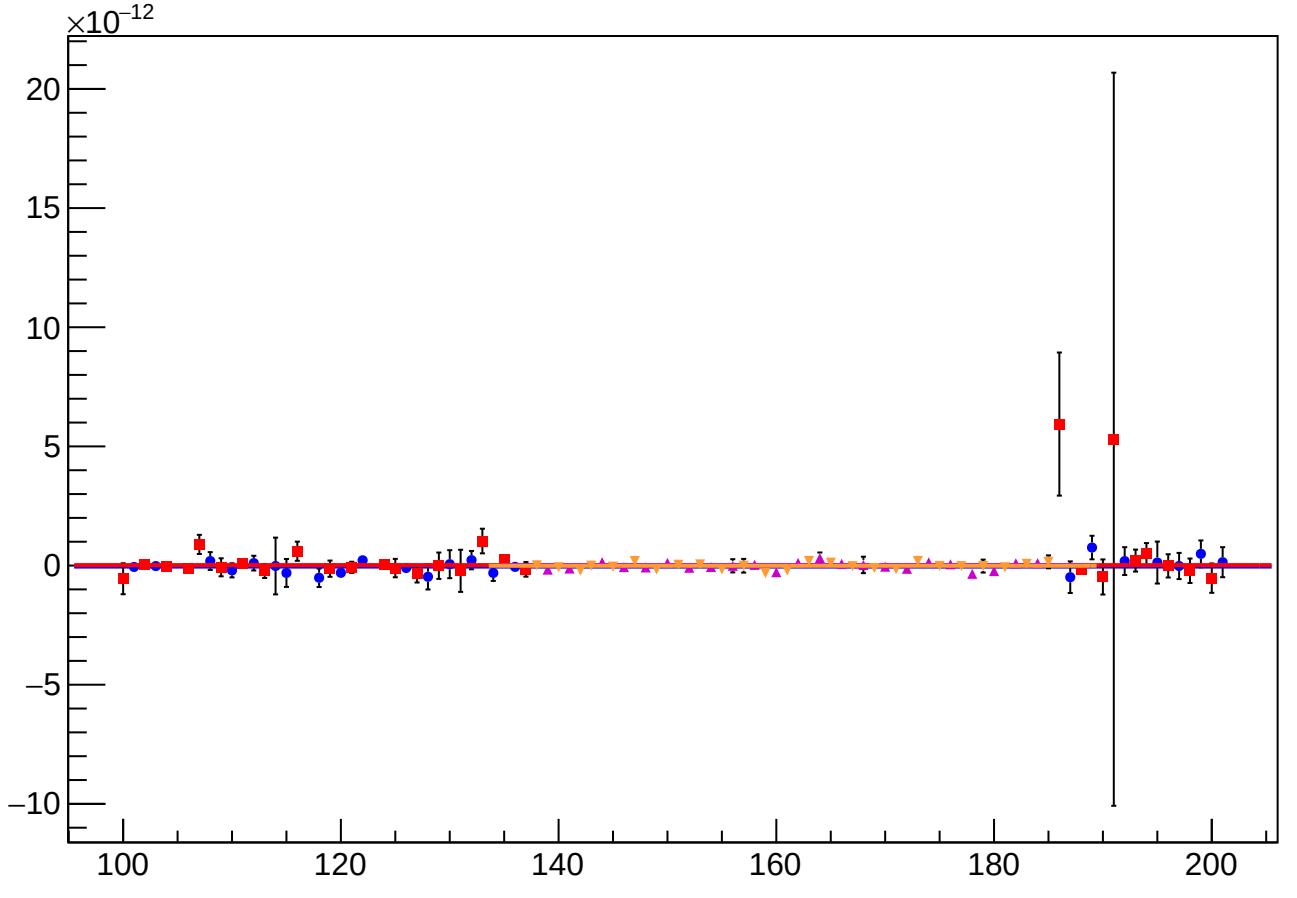
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3735.736+/-0.533 χ^2/NDF: 2215623.1/50

In: 4229.049+/-0.553 χ^2/NDF:2674125.9/45

Out: 4139.372+/-0.526 χ^2/NDF:3308934.5/52

All: 4181.958+/-0.381 χ^2/NDF: 5996850.3/98



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: 25.8/27

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

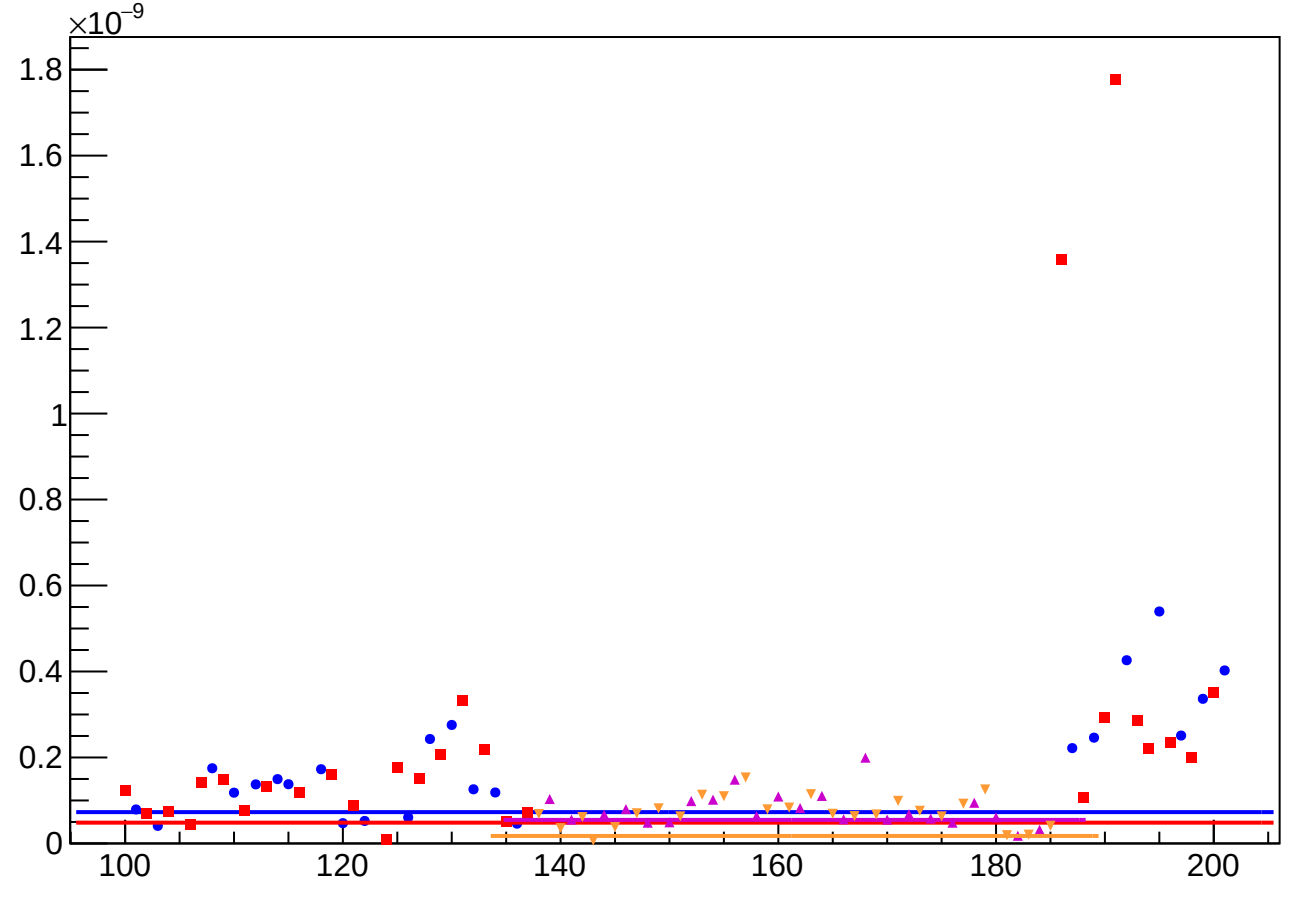
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.0/50

In: 0.000+/-0.000 χ^2/NDF:40.3/45

Out: -0.000+/-0.000 χ^2/NDF:49.2/52

All: -0.000+/-0.000 χ^2/NDF: 89.7/98



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: 5824932.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

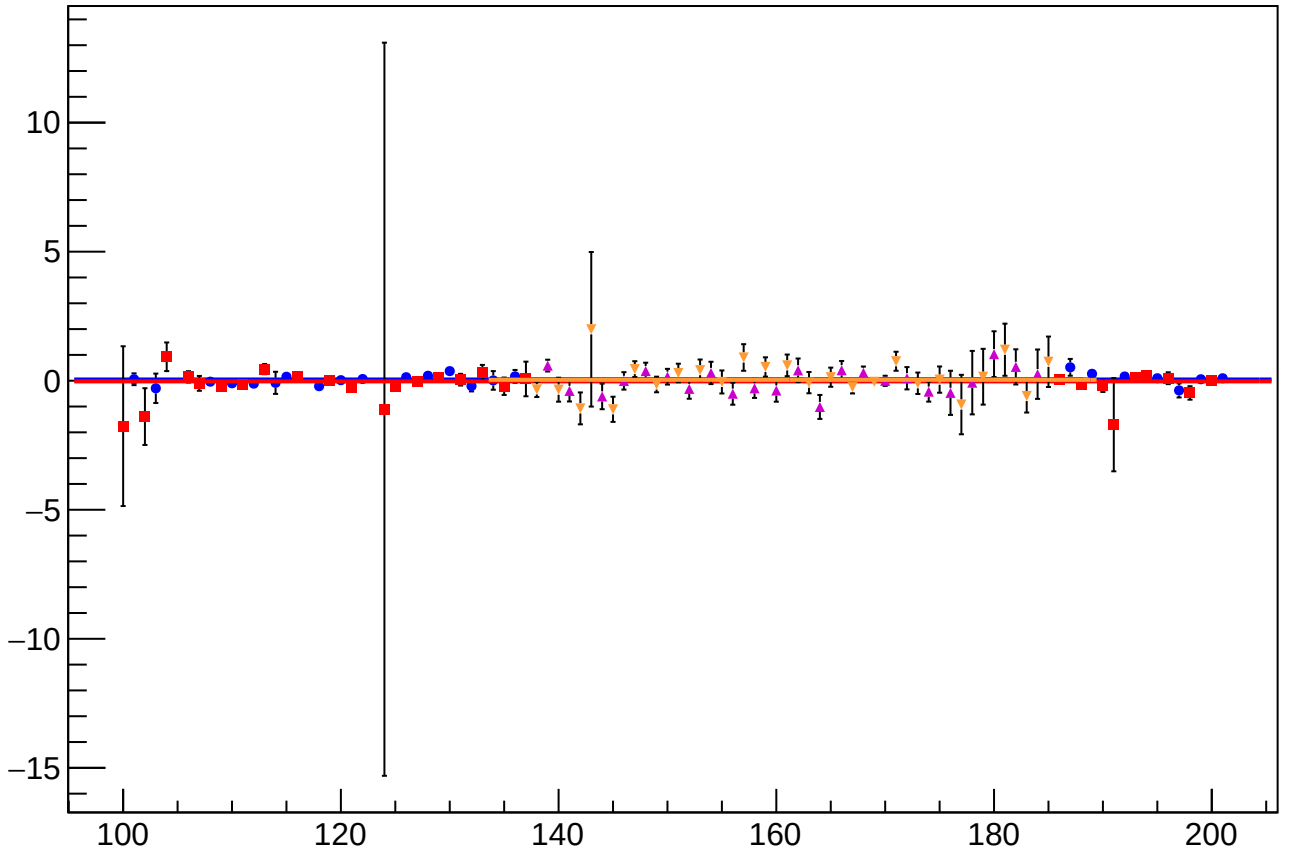
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10575792.8/50

In: 0.000+/-0.000 χ^2/NDF:7428022.7/45

Out: 0.000+/-0.000 χ^2/NDF:16125955.1/52

All: 0.000+/-0.000 χ^2/NDF: 28901741.2/98



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: -0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

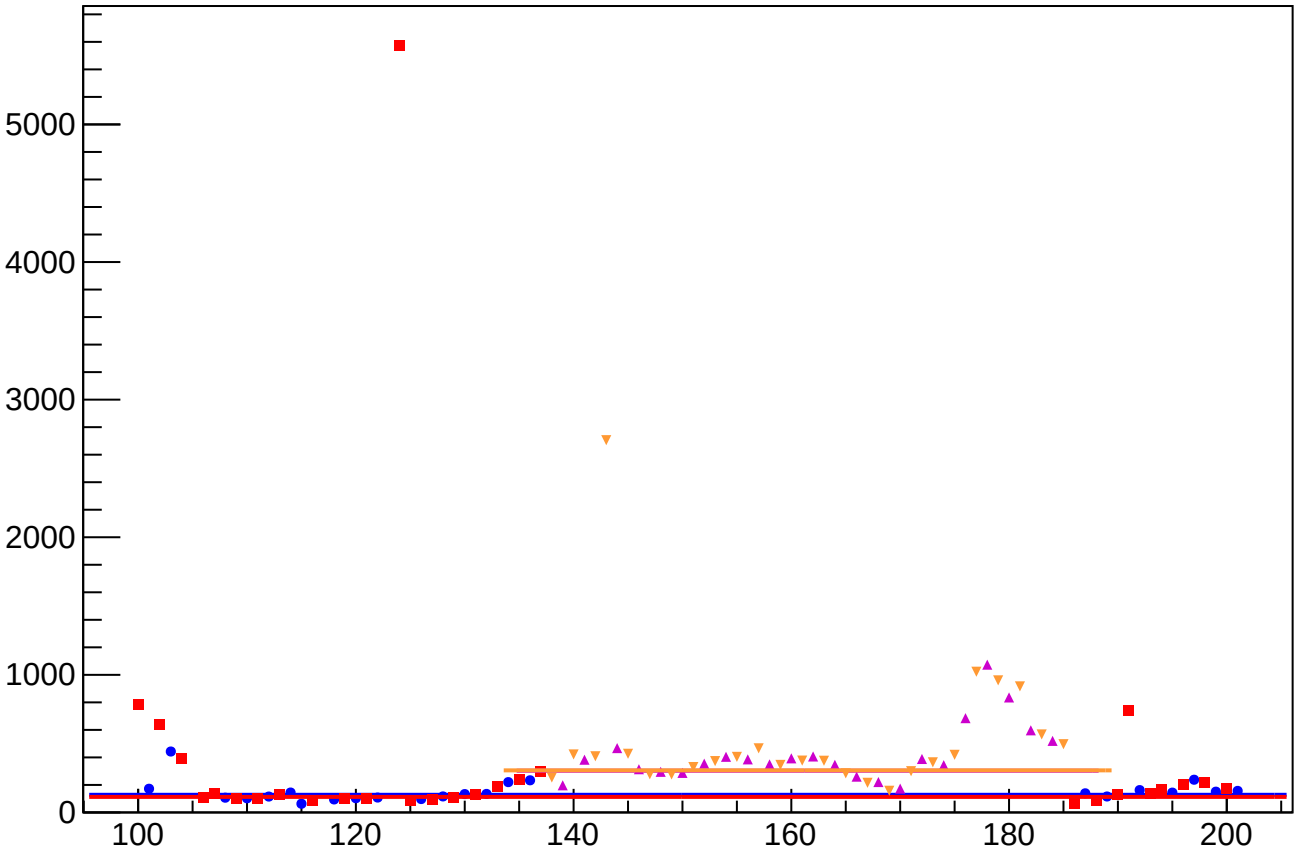
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.006+/-0.026 χ^2/NDF: 52.5/50

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.014+/-0.024 χ^2/NDF: 109.5/98



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: 113.111+/-0.025 χ^2/NDF: 4140750.5/27

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

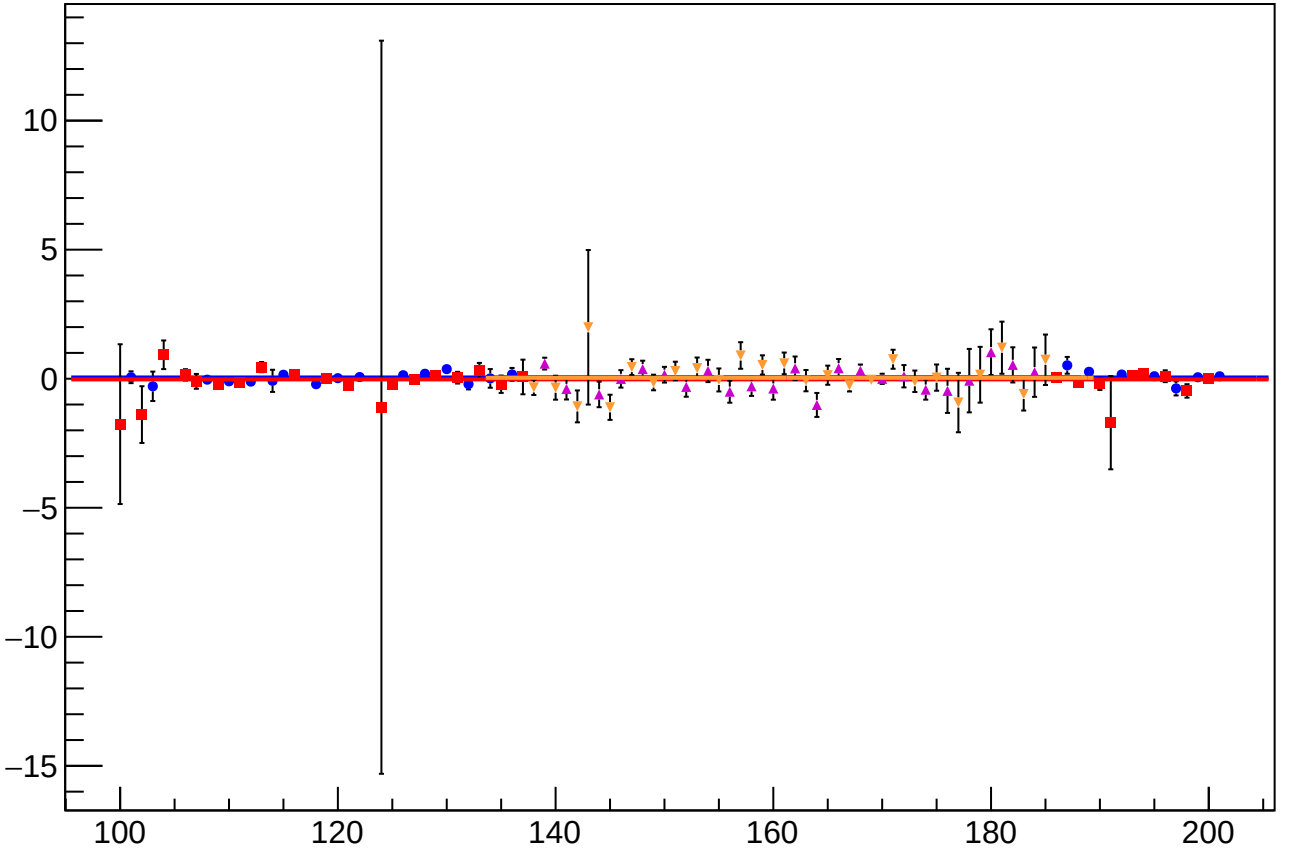
Right: 119.796+/-0.019 χ^2/NDF: 6649708.1/50

In: 164.657+/-0.025 χ^2/NDF:15276274.0/45

Out: 145.695+/-0.023 χ^2/NDF:20951053.3/52

All: 154.274+/-0.017 χ^2/NDF: 36544352.1/98

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: -0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

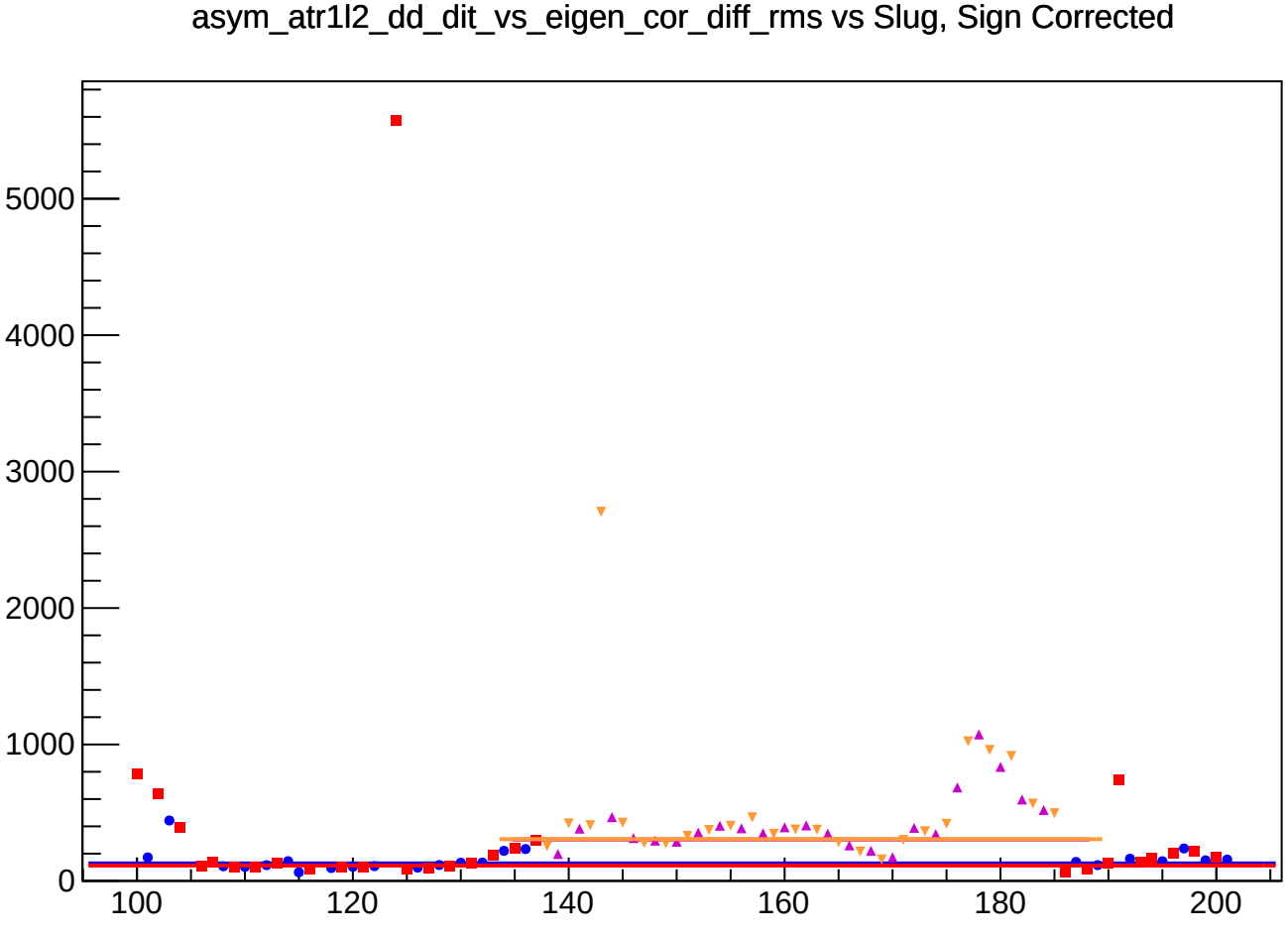
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

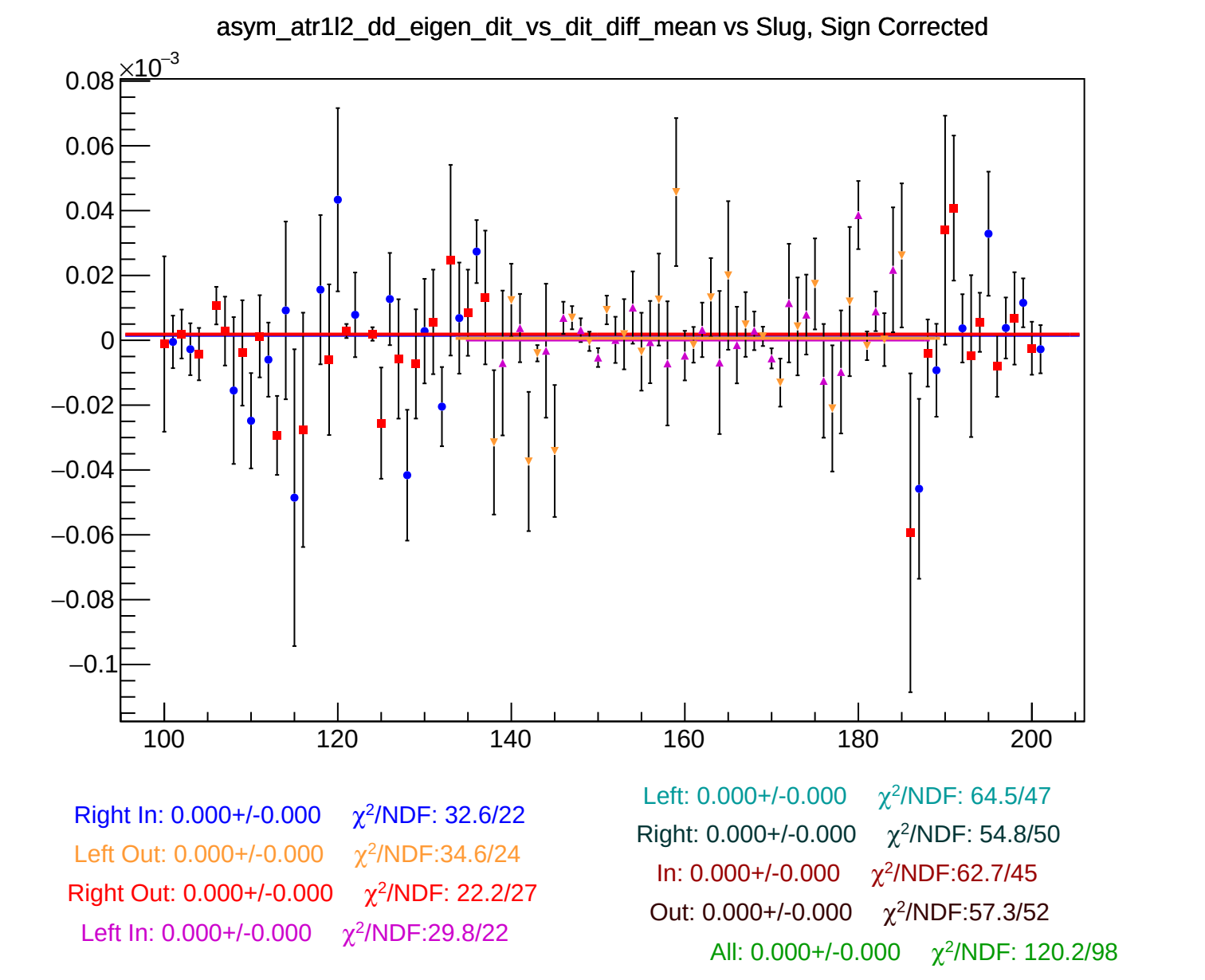
Right: 0.006+/-0.026 χ^2/NDF: 52.5/50

In: 0.050+/-0.035 χ^2/NDF:45.2/45

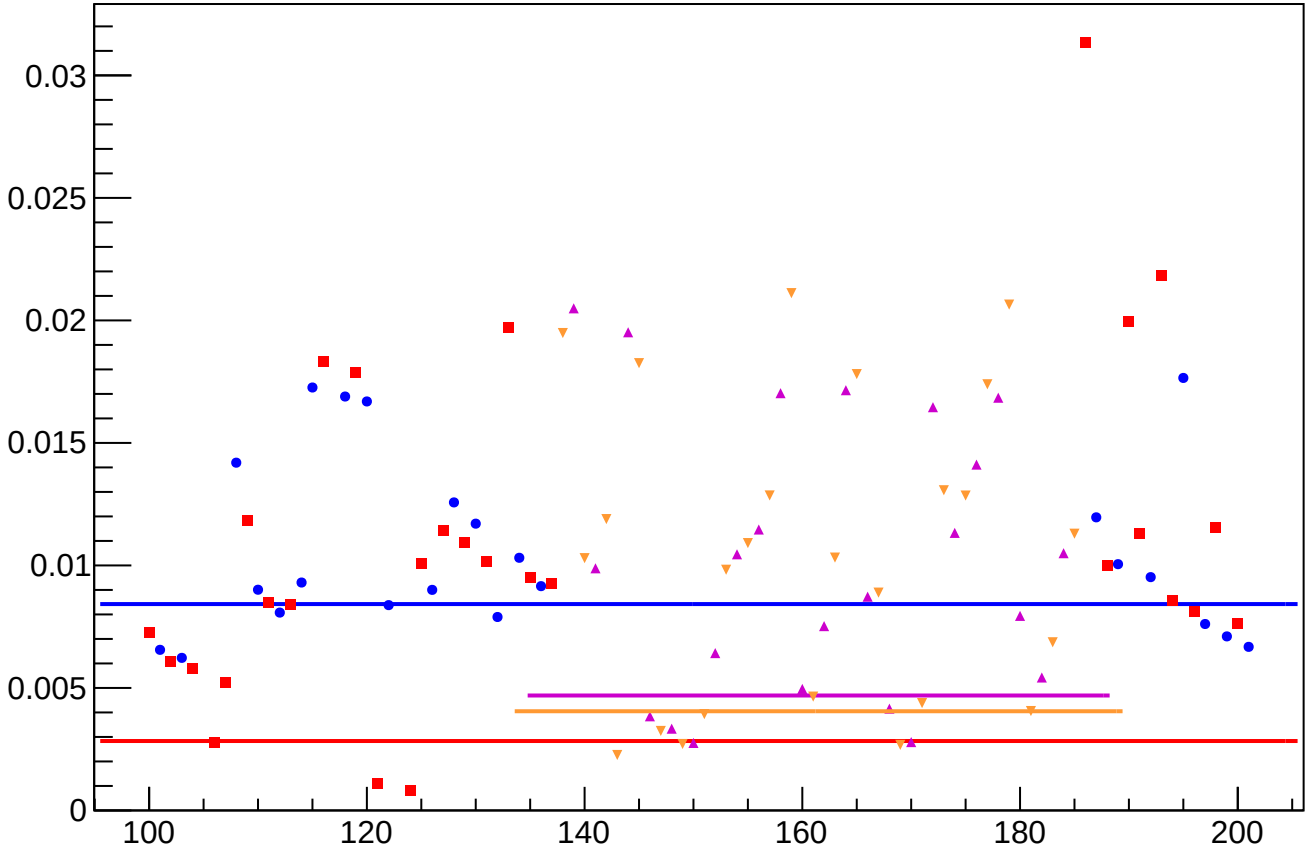
Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.014+/-0.024 χ^2/NDF: 109.5/98


asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 128.284+/-0.028 χ²/NDF: 2344706.9/22
Left Out: 305.950+/-0.055 χ²/NDF:6634928.0/24
Right Out: 113.111+/-0.025 χ²/NDF: 4140750.5/27
Left In: 303.278+/-0.055 χ²/NDF:4813442.3/22
Left: 304.603+/-0.039 χ²/NDF: 11449555.3/47
Right: 119.796+/-0.019 χ²/NDF: 6649708.1/50
In: 164.657+/-0.025 χ²/NDF:15276274.0/45
Out: 145.695+/-0.023 χ²/NDF:20951053.3/52
All: 154.274+/-0.017 χ²/NDF: 36544352.1/98


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: 22.2/27
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: 54.8/50
In: 0.000+/-0.000 χ²/NDF:62.7/45
Out: 0.000+/-0.000 χ²/NDF:57.3/52
All: 0.000+/-0.000 χ²/NDF: 120.2/98

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: 16004415.6/27

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

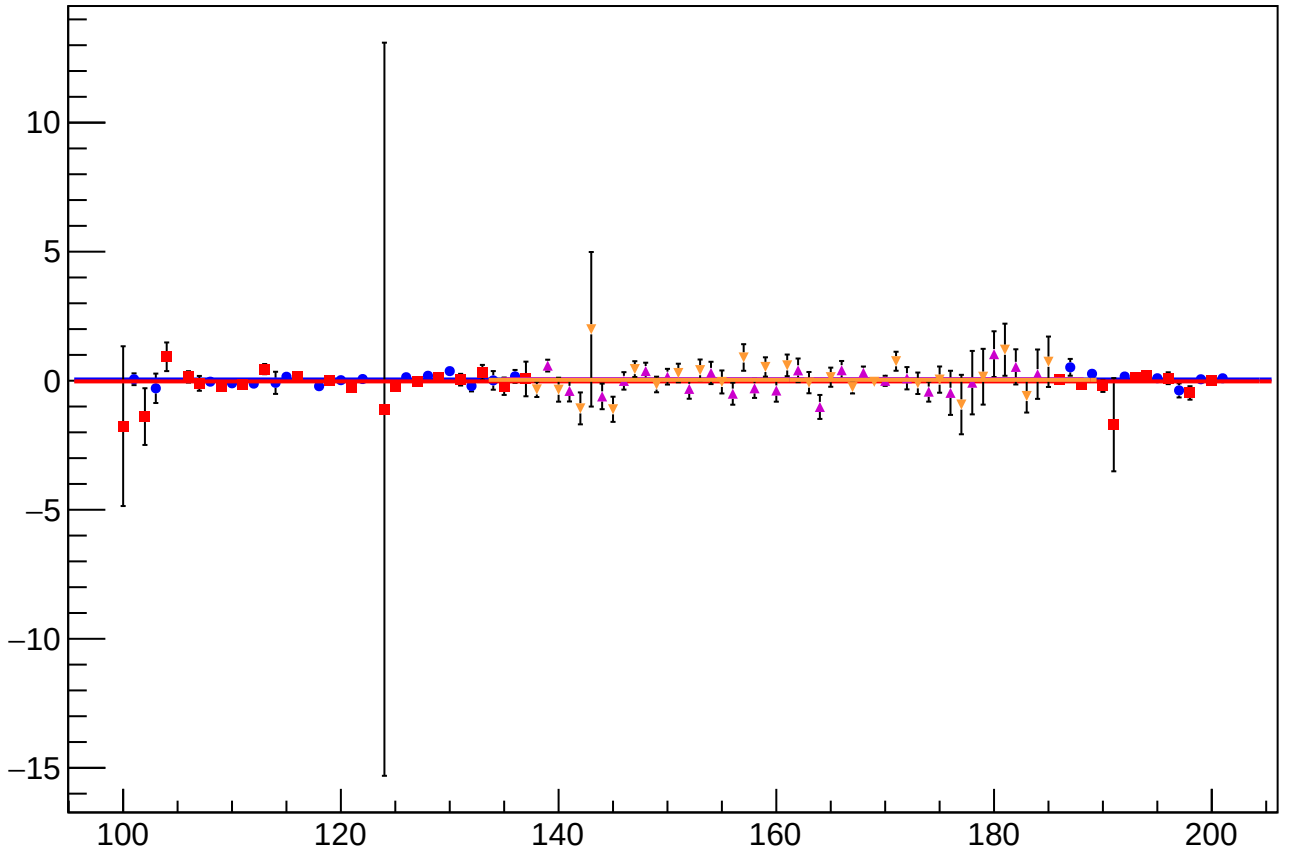
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 25503451.0/50

In: 0.006+/-0.000 χ^2/NDF:15984509.2/45

Out: 0.003+/-0.000 χ^2/NDF:30526281.3/52

All: 0.004+/-0.000 χ^2/NDF: 50292634.1/98



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: -0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

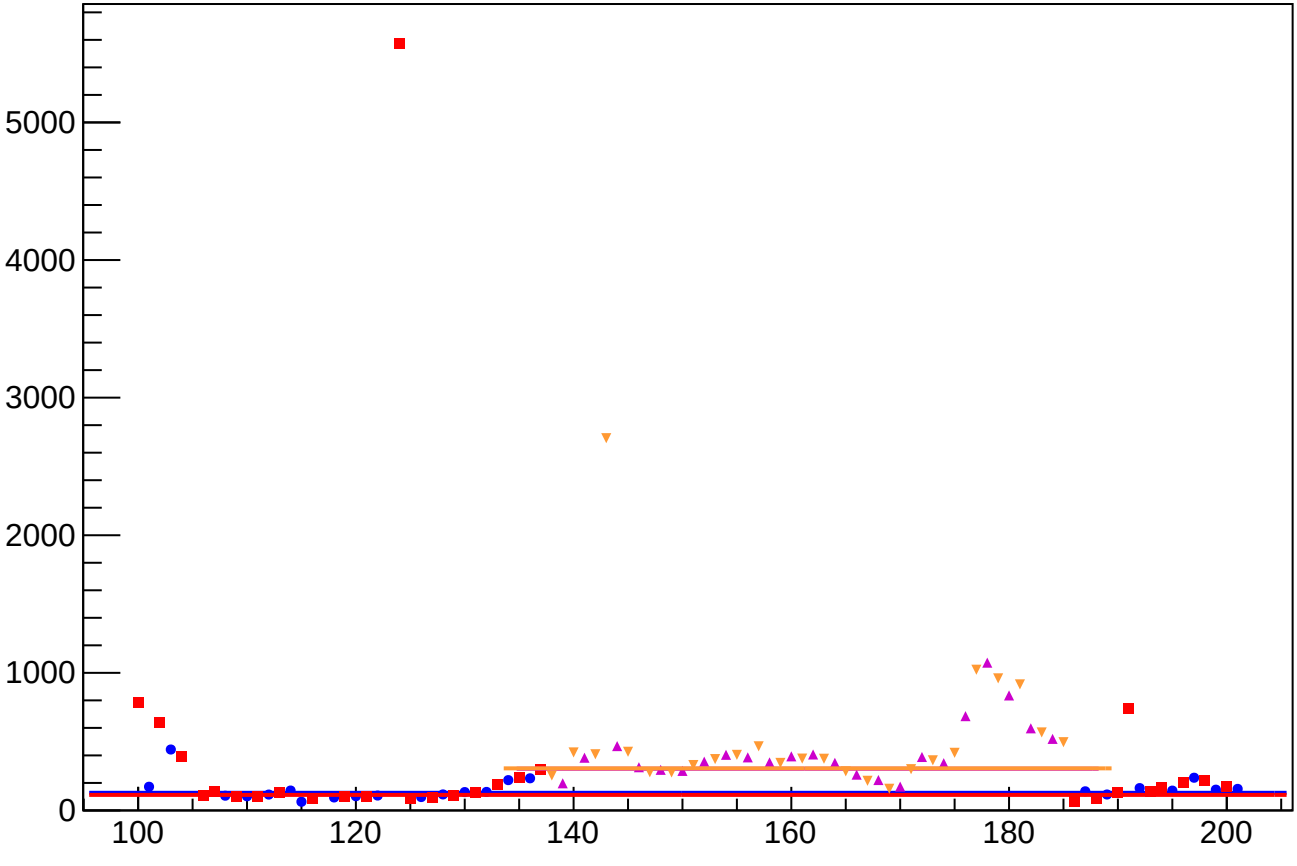
Right: 0.006+/-0.026 χ^2/NDF: 52.5/50

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.014+/-0.024 χ^2/NDF: 109.5/98

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: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

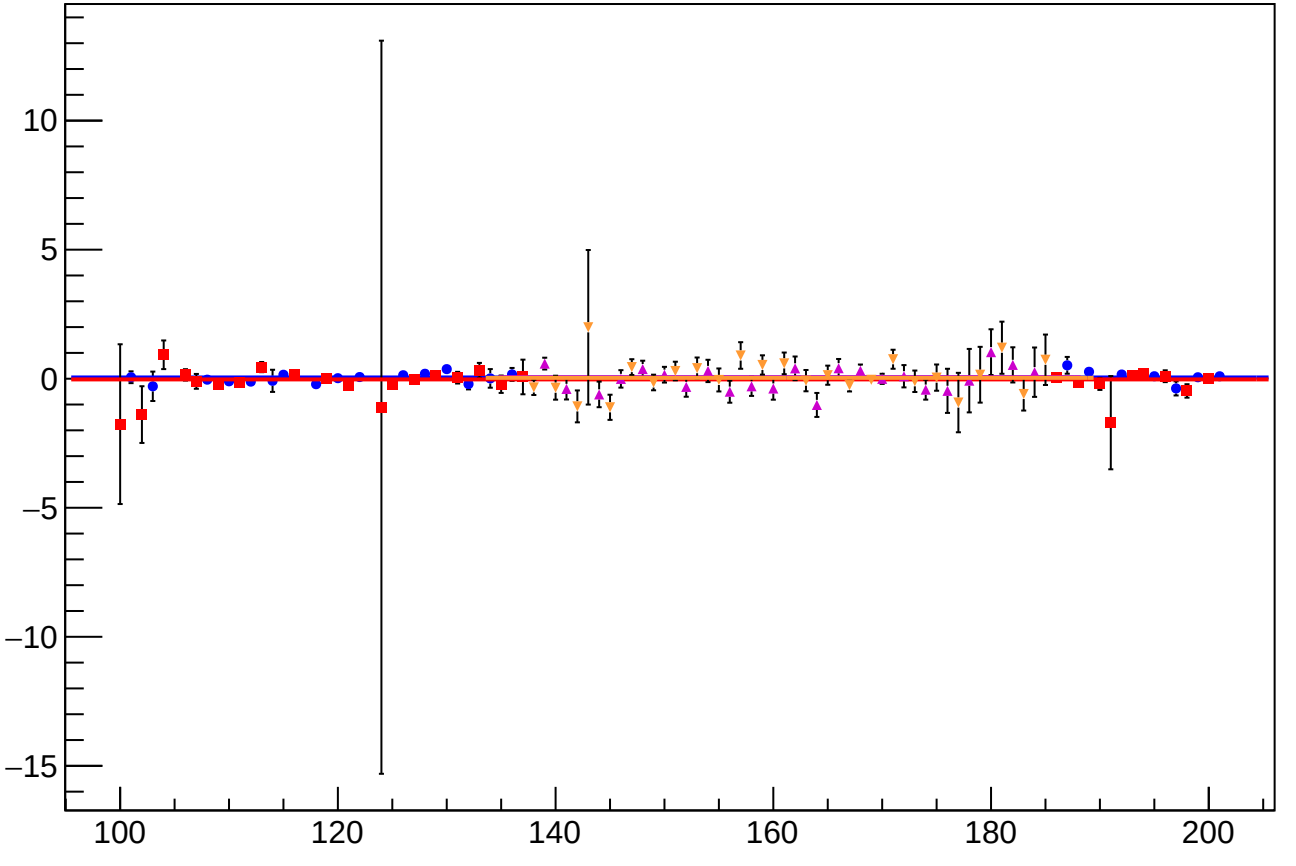
Right: 119.797+/-0.019 χ^2/NDF: 6649458.3/50

In: 164.658+/-0.025 χ^2/NDF:15276340.7/45

Out: 145.695+/-0.023 χ^2/NDF:20950890.4/52

All: 154.274+/-0.017 χ^2/NDF: 36544241.8/98

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: -0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

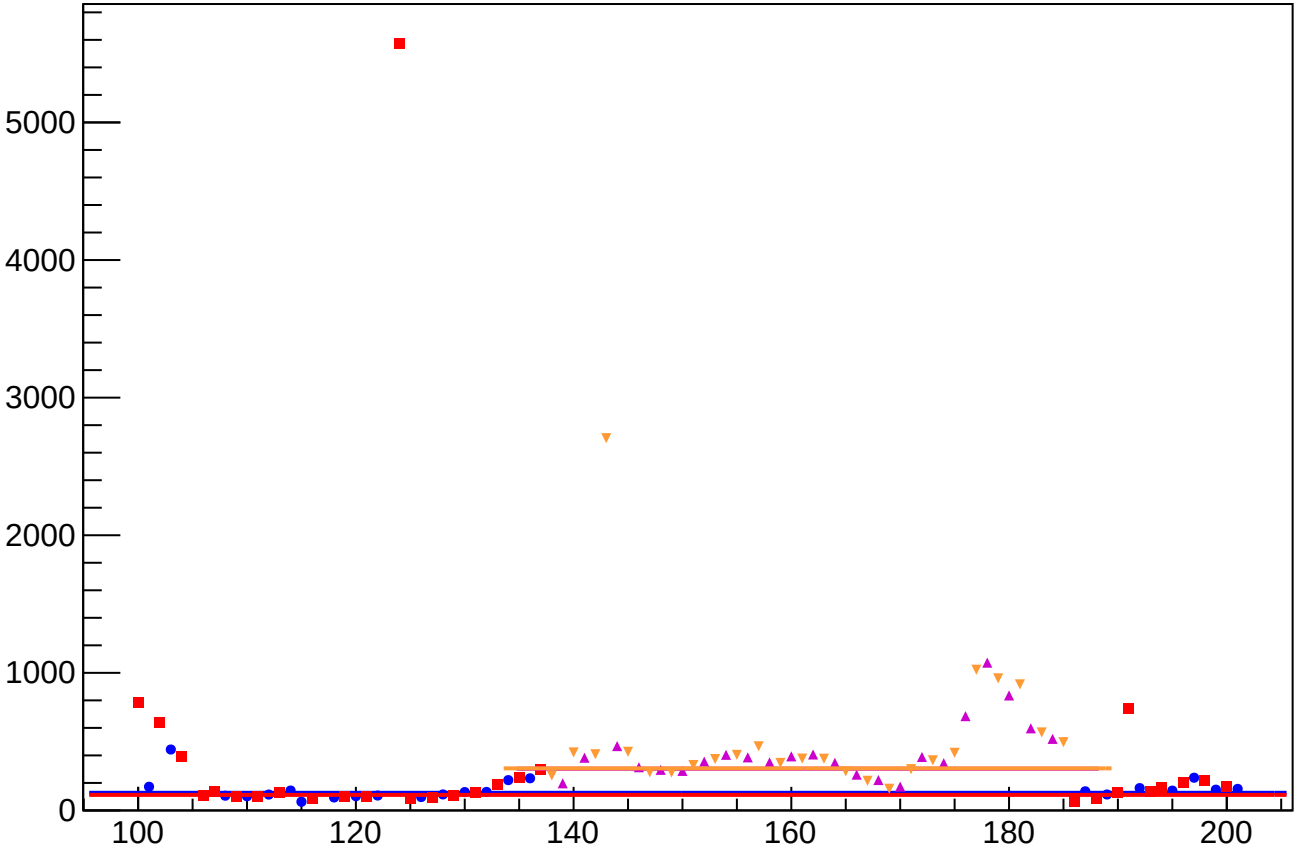
Right: 0.006+/-0.026 χ^2/NDF: 52.5/50

In: 0.050+/-0.035 χ^2/NDF:45.2/45

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.014+/-0.024 χ^2/NDF: 109.5/98

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: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

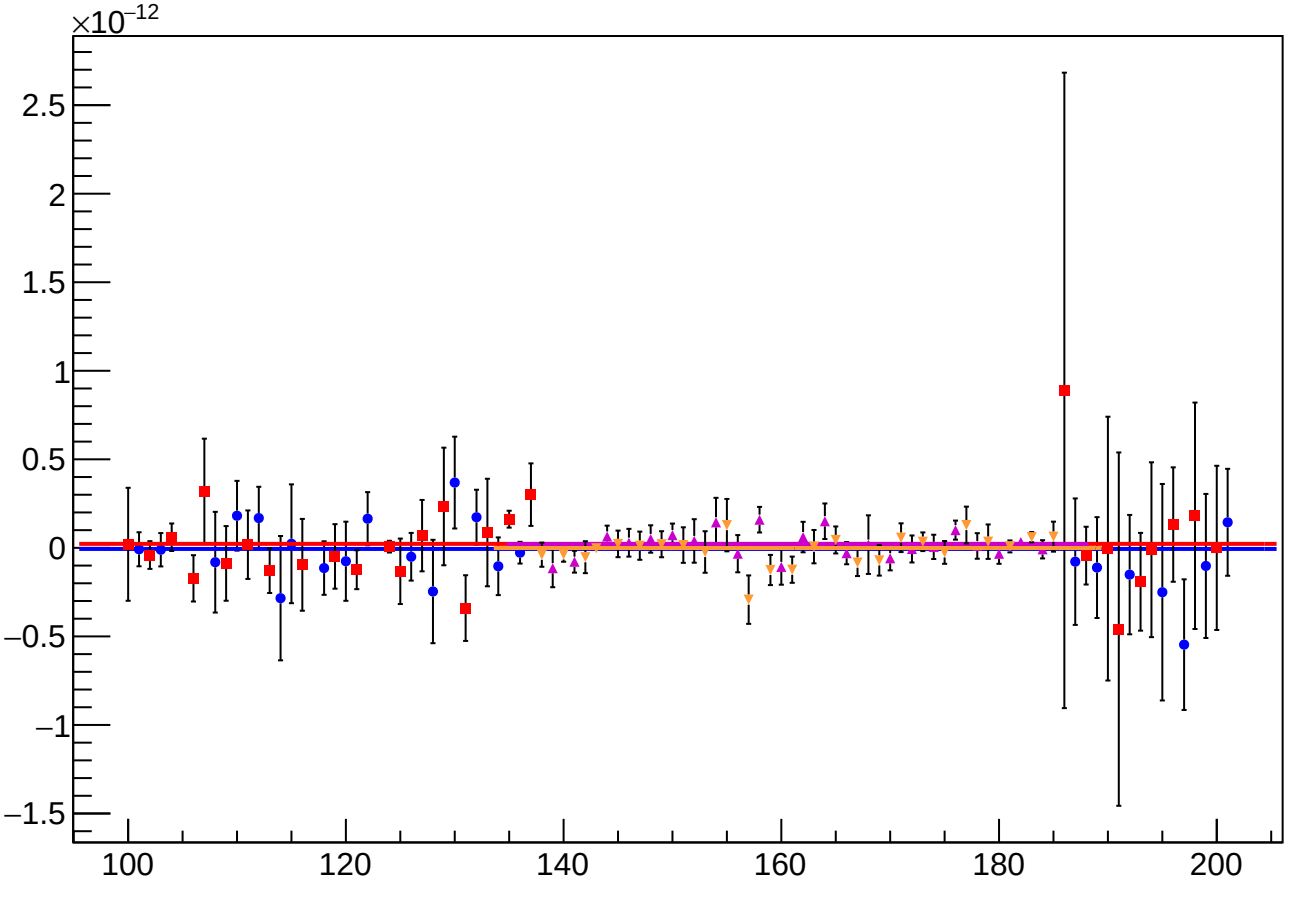
Right: 119.797+/-0.019 χ^2/NDF: 6649458.3/50

In: 164.658+/-0.025 χ^2/NDF:15276340.7/45

Out: 145.695+/-0.023 χ^2/NDF:20950890.4/52

All: 154.274+/-0.017 χ^2/NDF: 36544241.8/98

asym_atr1l2_dd_eigen_cor_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:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/27

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

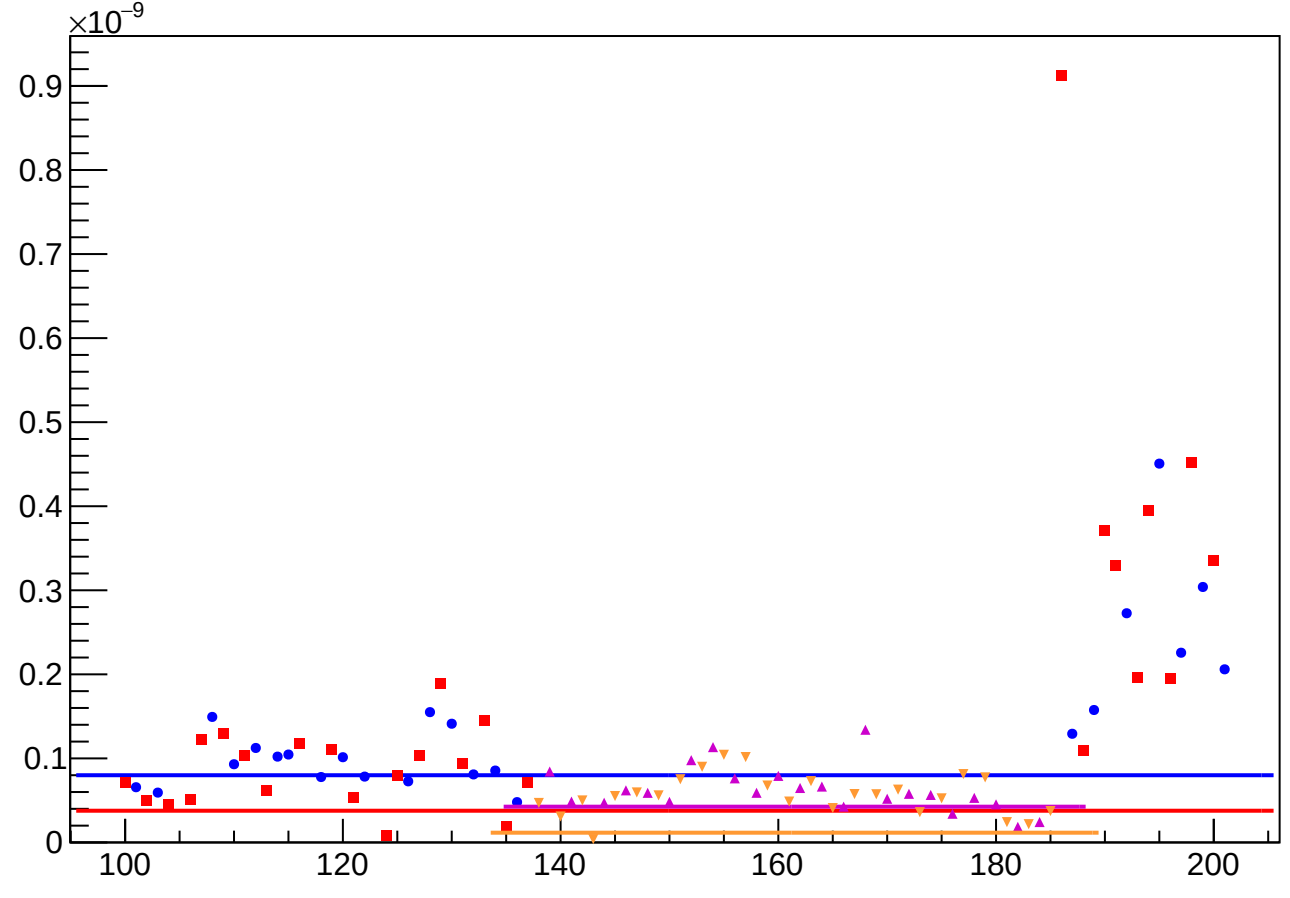
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.3/50

In: 0.000+/-0.000 χ^2/NDF:32.3/45

Out: 0.000+/-0.000 χ^2/NDF:48.8/52

All: 0.000+/-0.000 χ^2/NDF: 82.7/98



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: 9847191.7/27

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

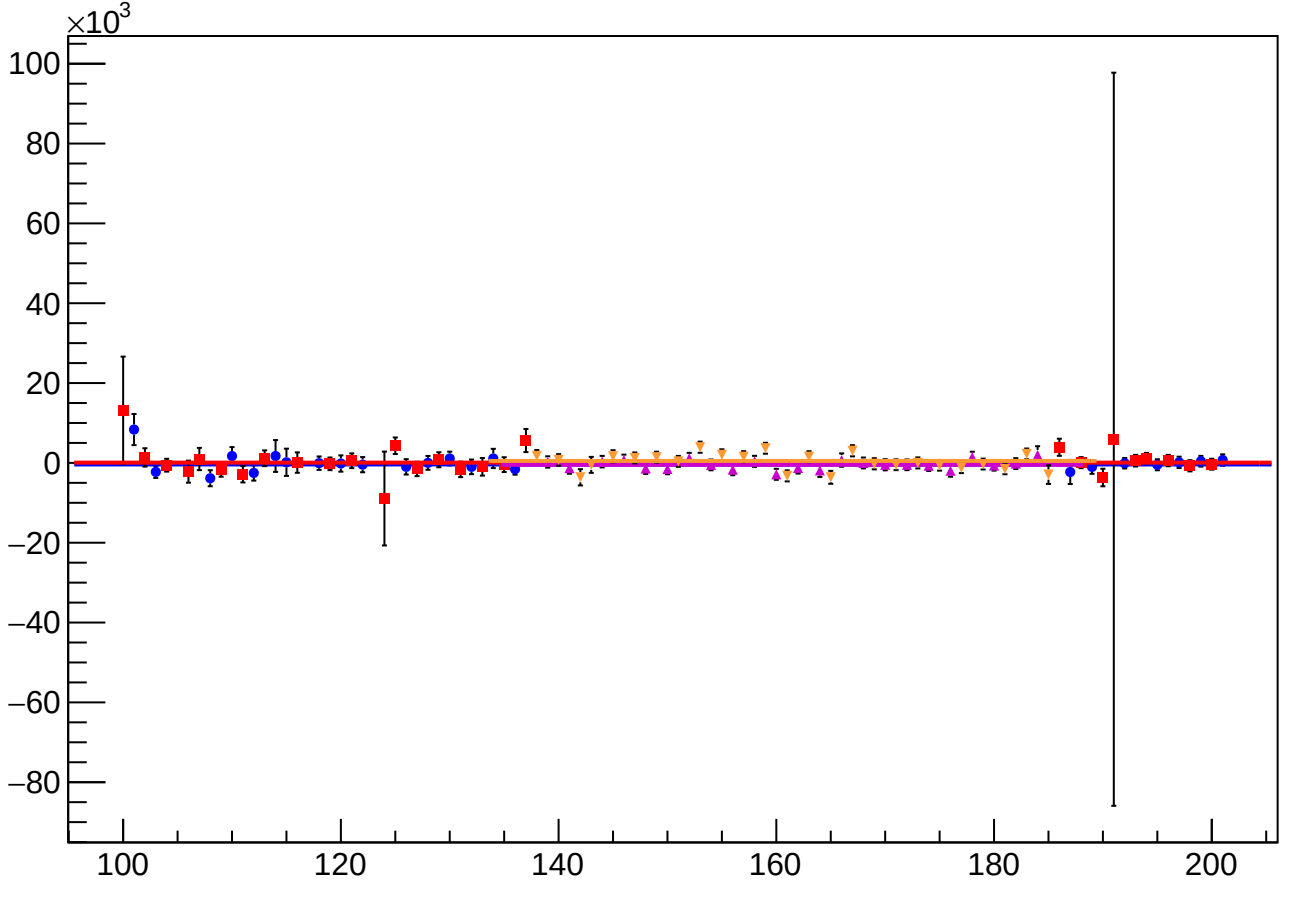
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16139596.0/50

In: 0.000+/-0.000 χ^2/NDF:11607945.3/45

Out: 0.000+/-0.000 χ^2/NDF:30517035.8/52

All: 0.000+/-0.000 χ^2/NDF: 54830231.1/98



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: 65.376+/-359.817 χ^2/NDF: 23.4/27

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

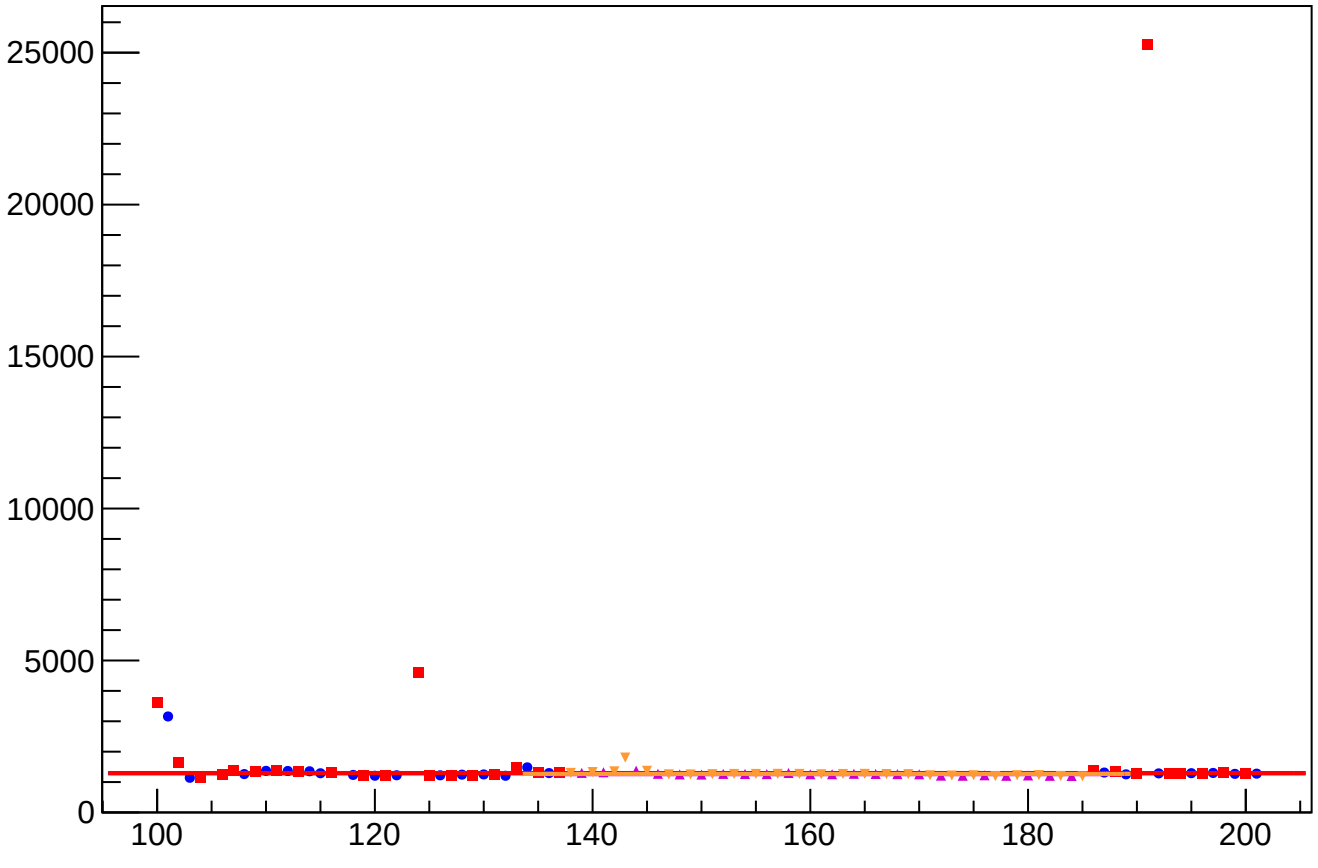
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -158.076+/-258.034 χ^2/NDF: 40.0/50

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -54.453+/-160.911 χ^2/NDF: 107.2/98



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: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

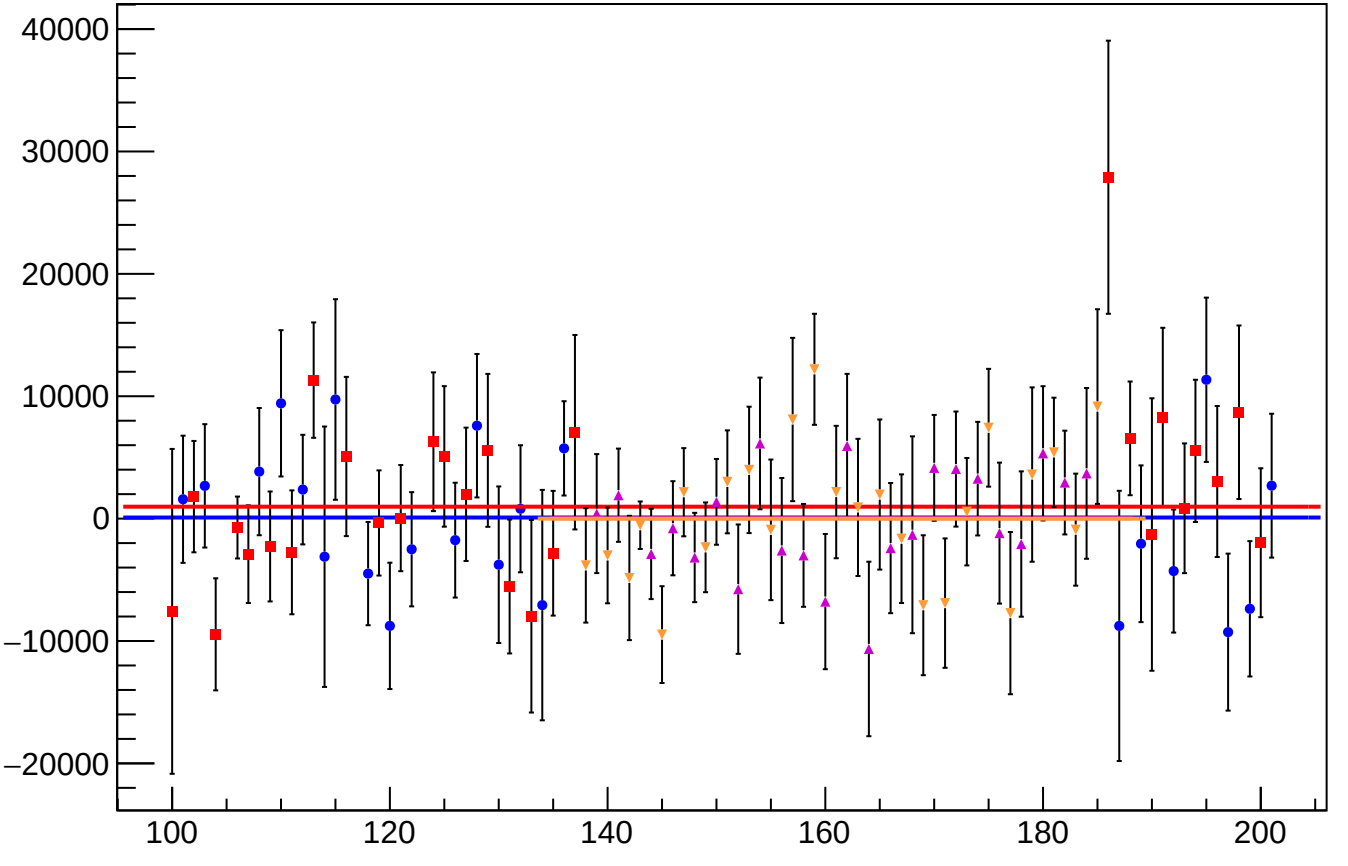
Right: 1293.017+/-0.182 χ^2/NDF: 983708.8/50

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98

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: 975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

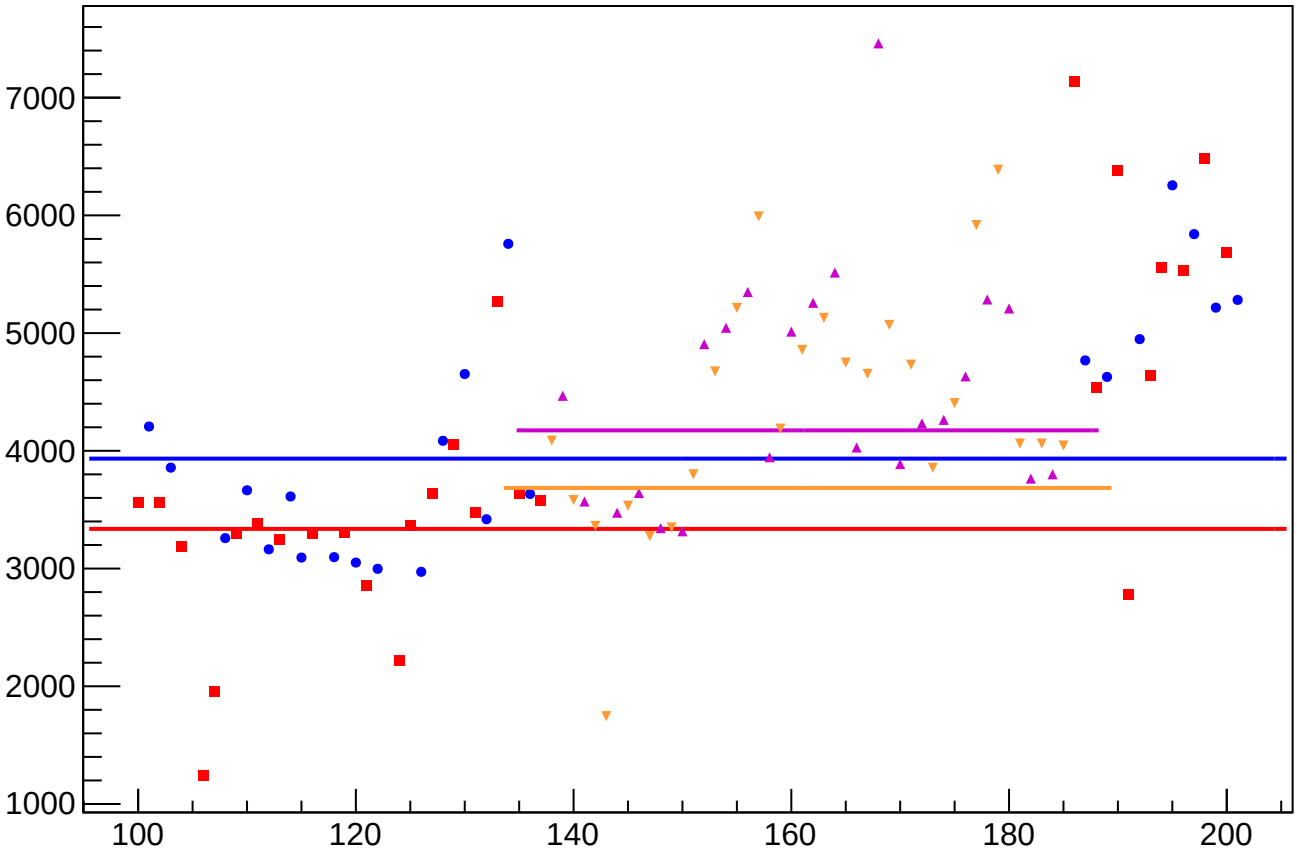
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 602.046+/-749.671 χ^2/NDF: 52.9/50

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 271.438+/-496.218 χ^2/NDF: 96.4/98



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

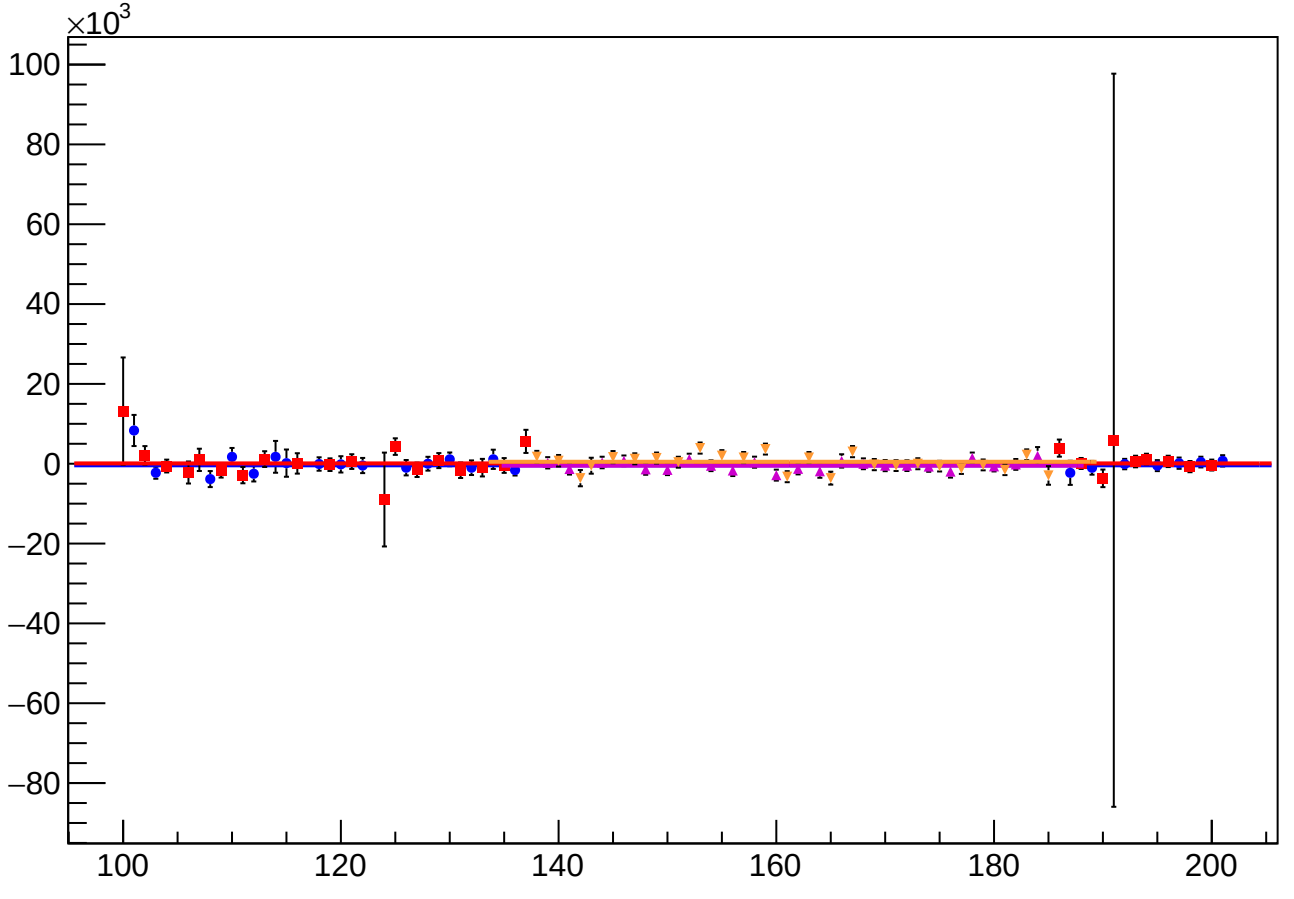
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3588.424+/-0.530 χ^2/NDF: 5387553.3/50

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

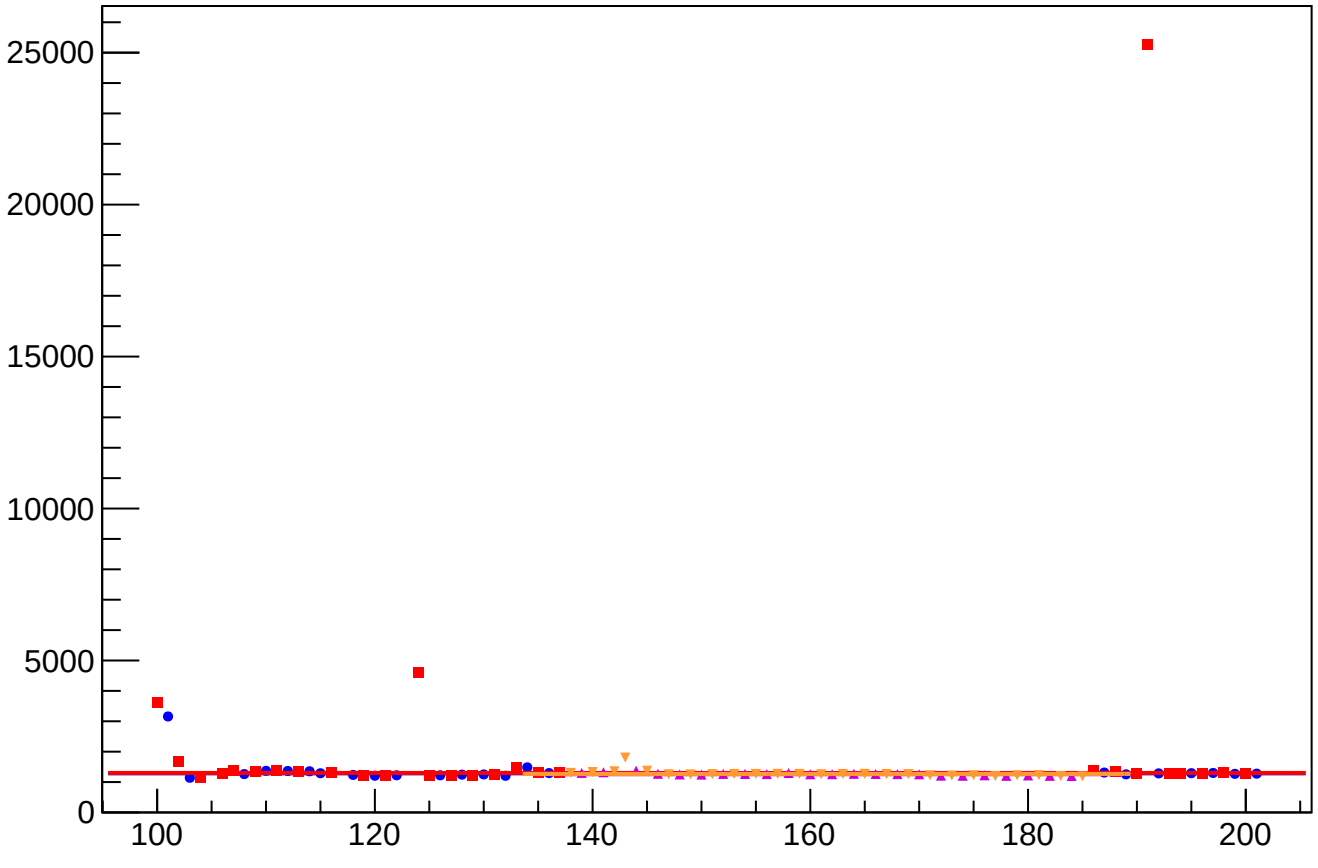
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

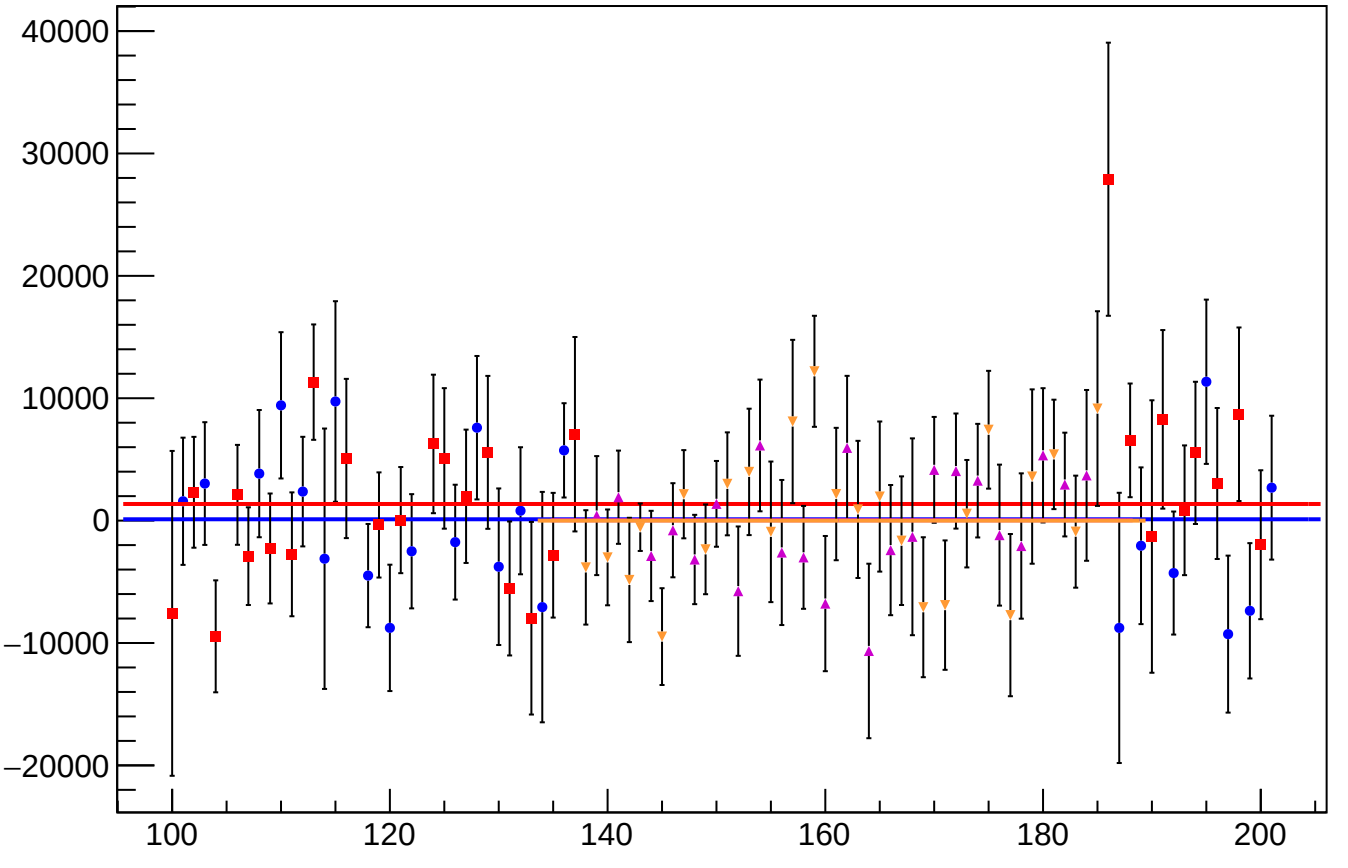
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98



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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

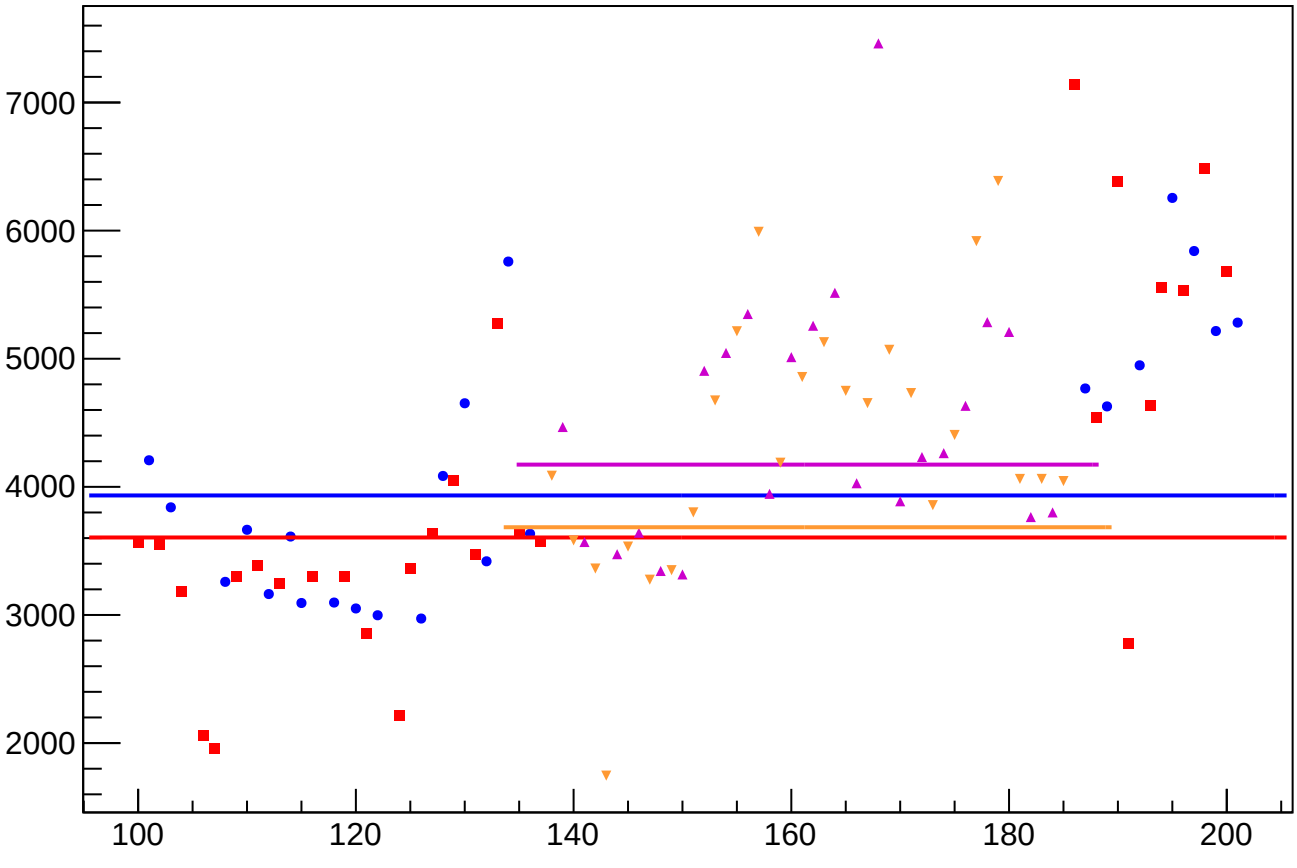
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

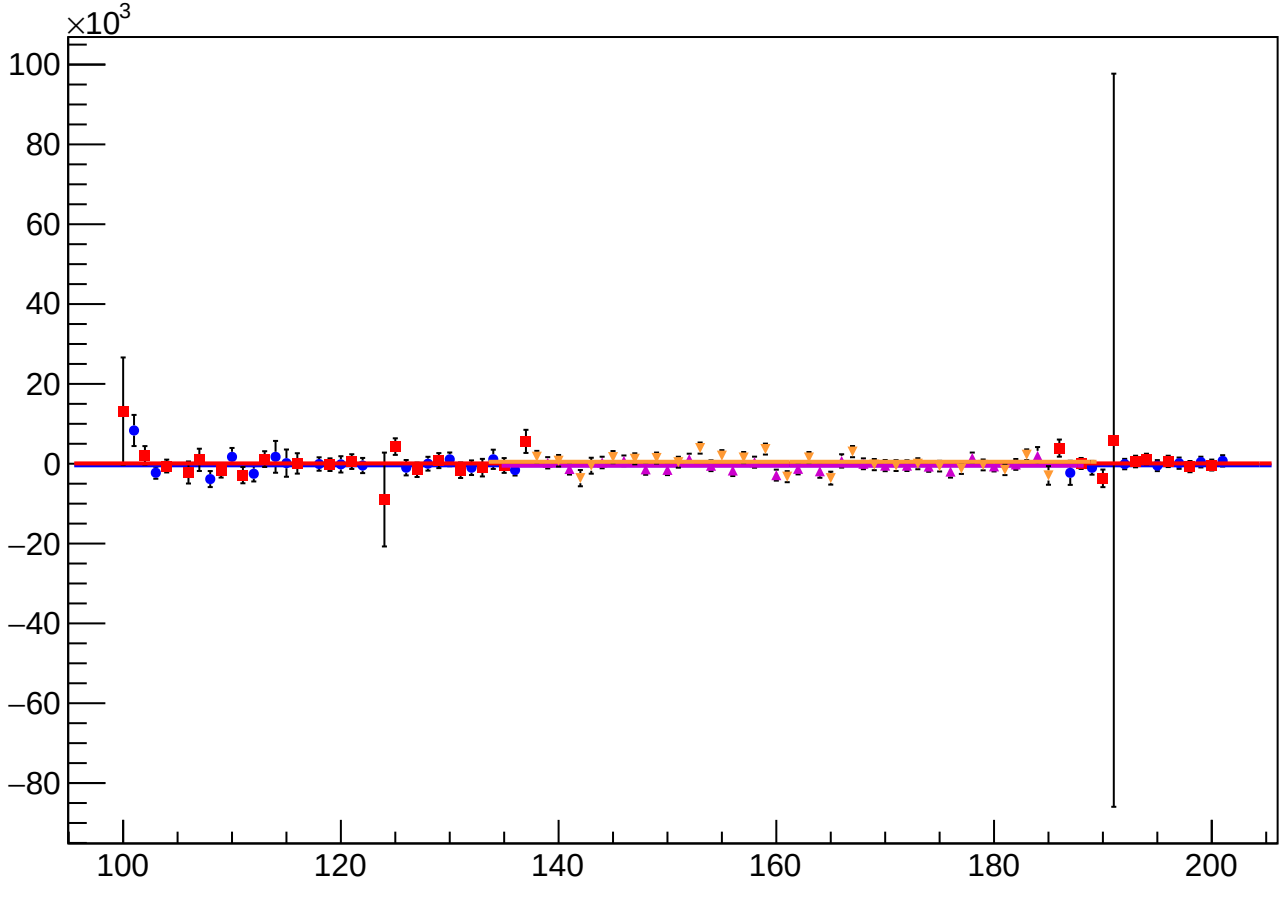
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3750.945+/-0.545 χ^2/NDF: 3856682.1/50

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

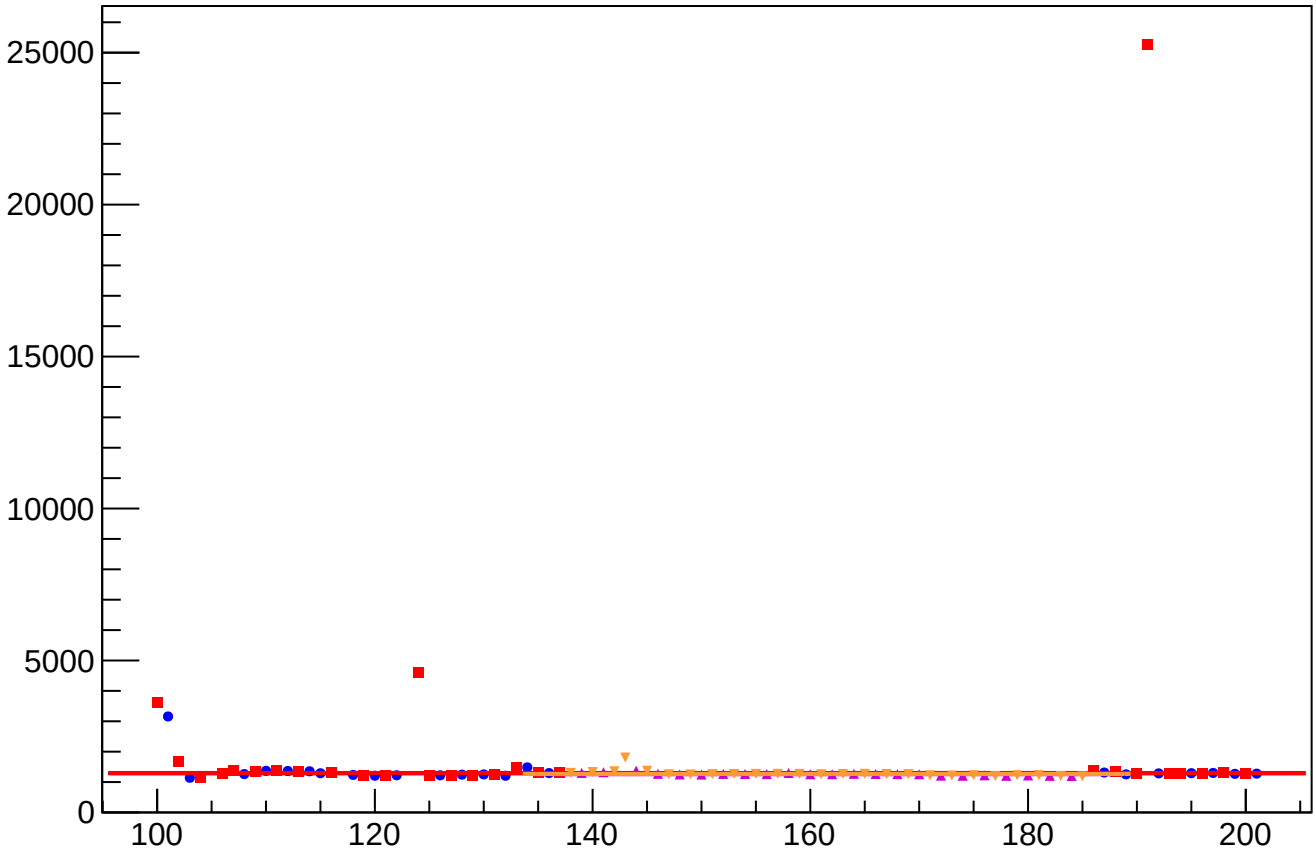
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

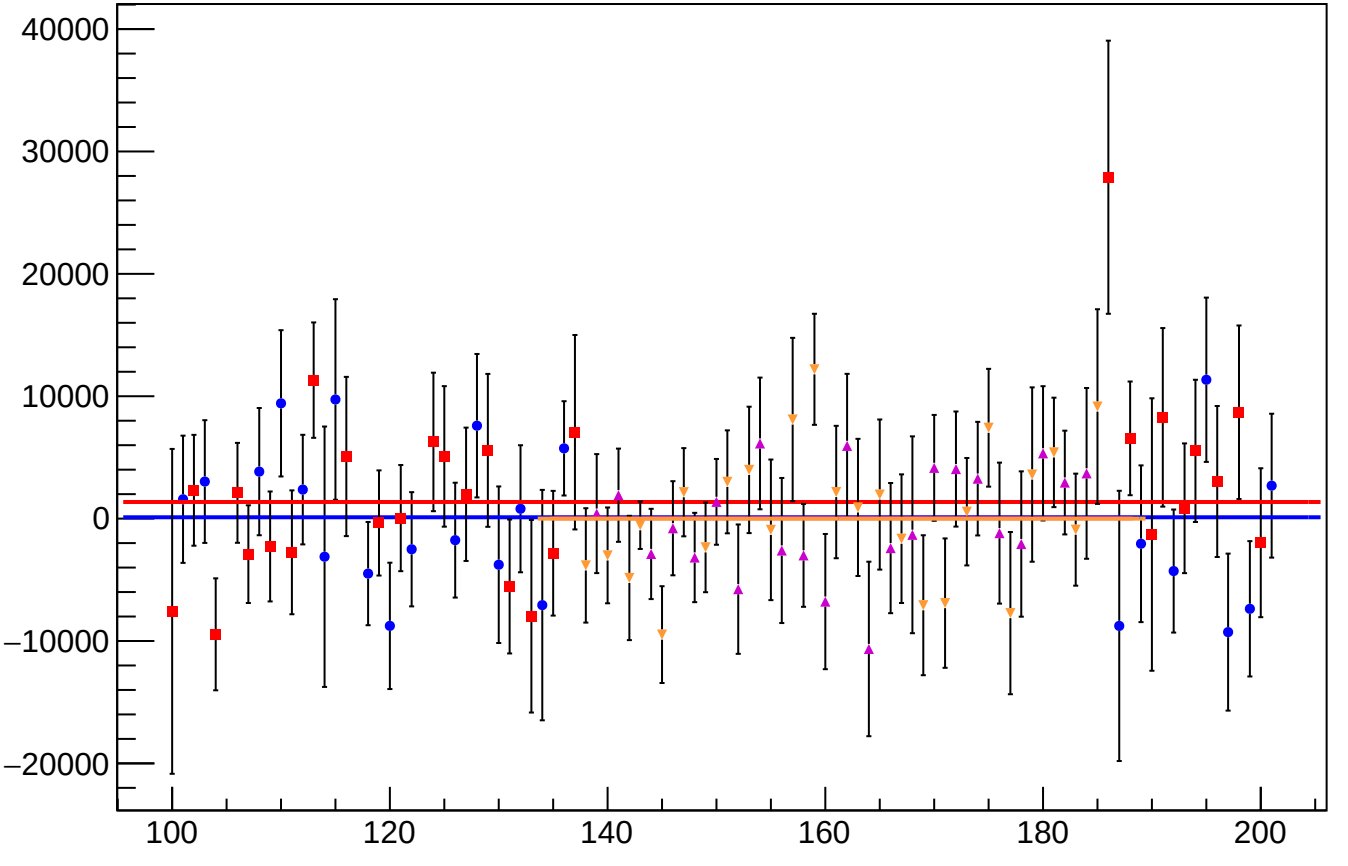
Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

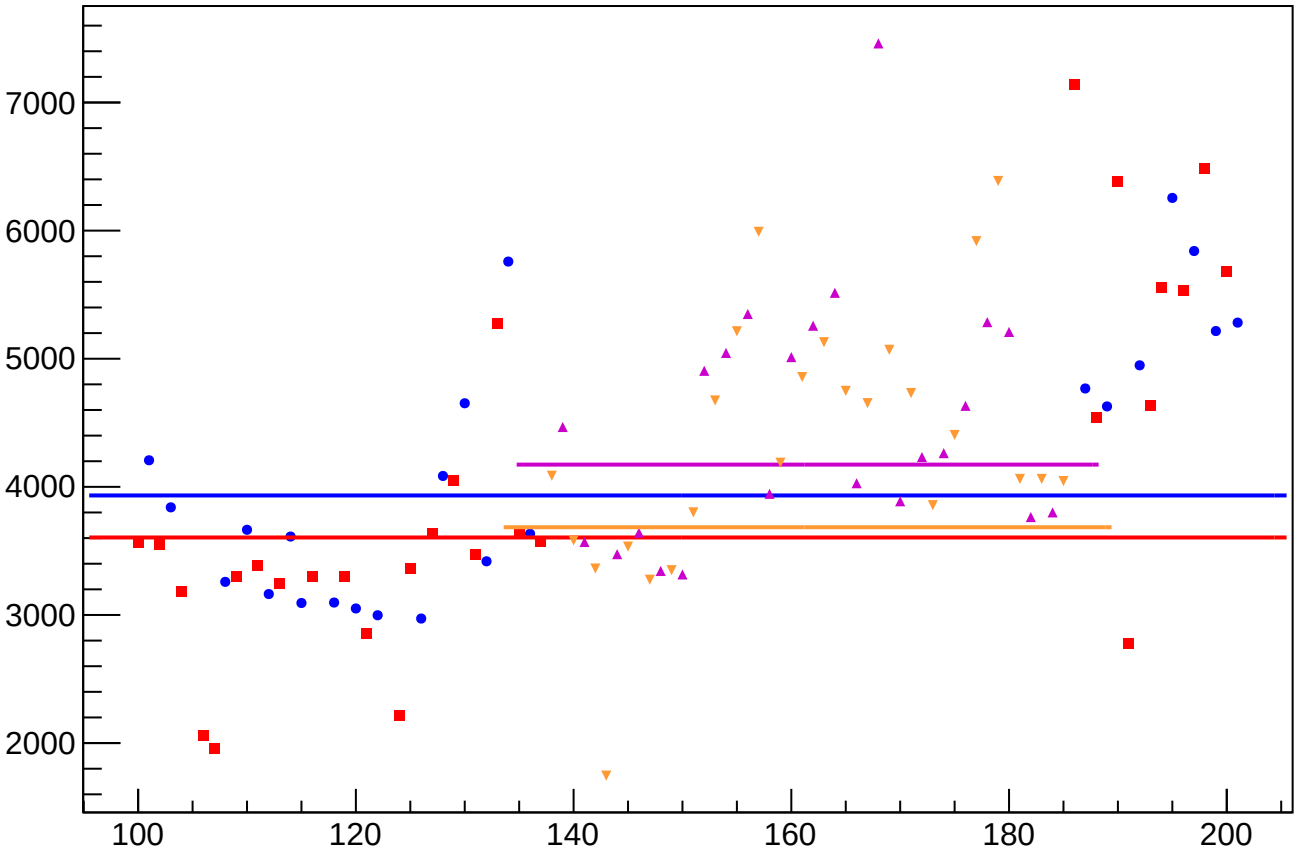
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

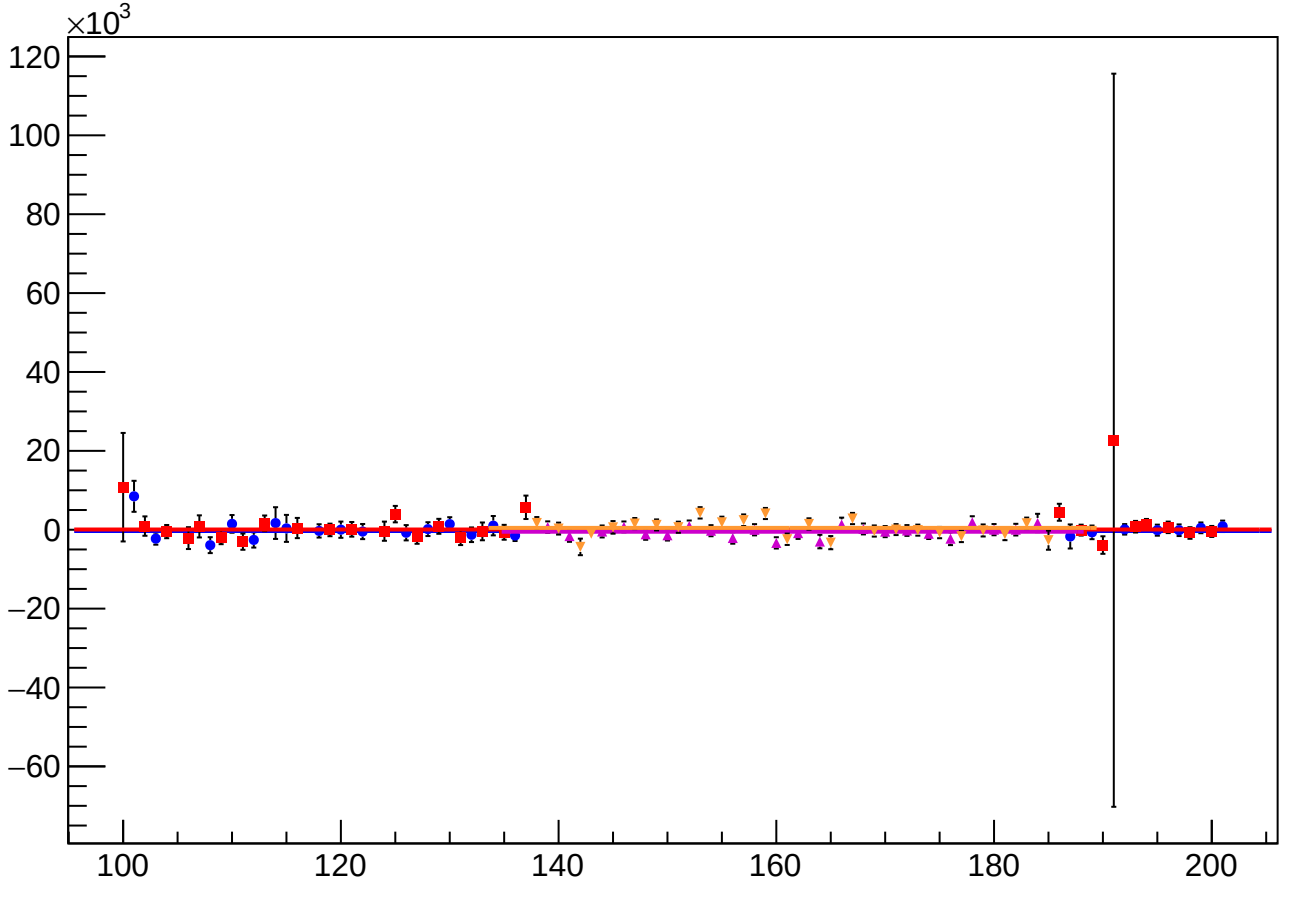
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3750.945+/-0.545 χ^2/NDF: 3856682.1/50

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98



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: 57.926+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

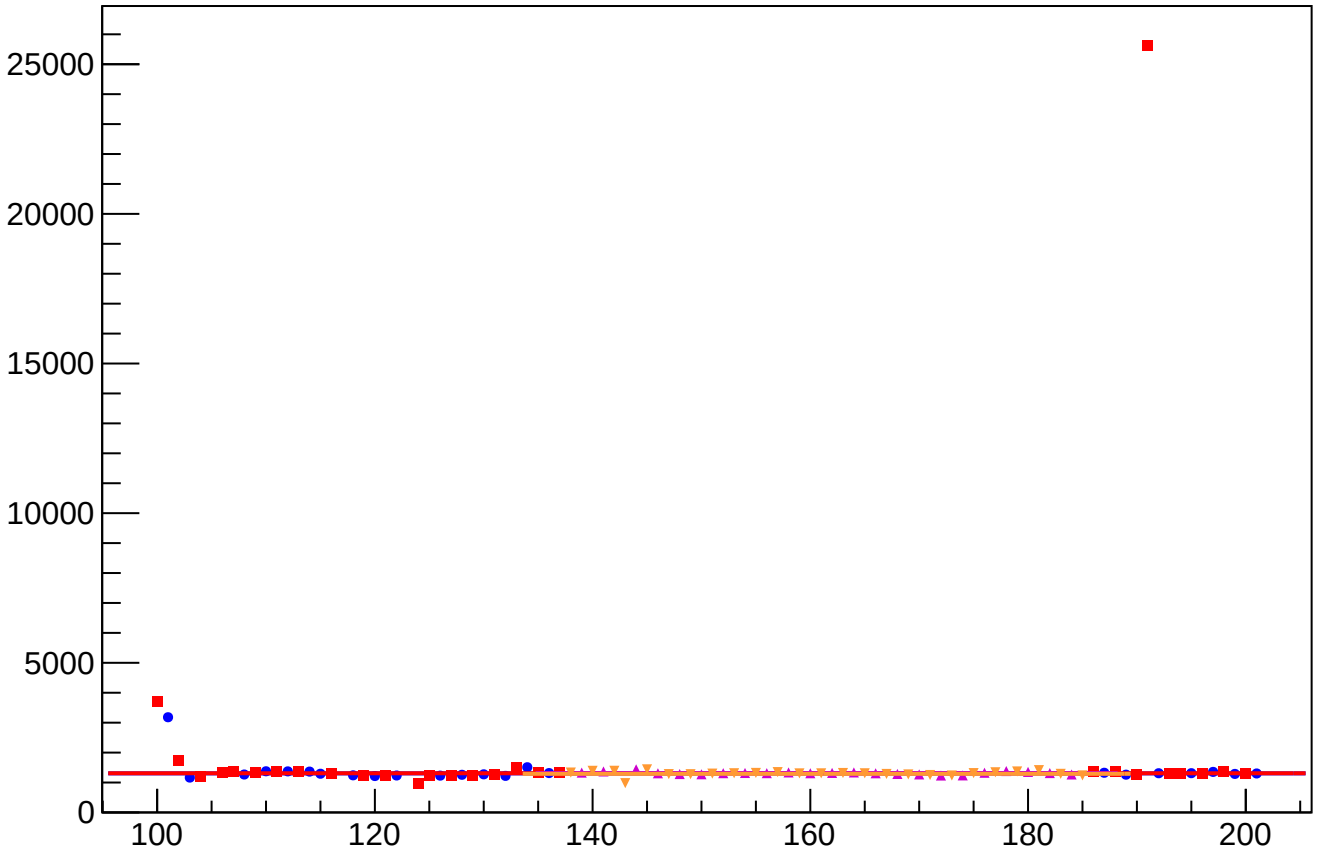
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -124.441+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

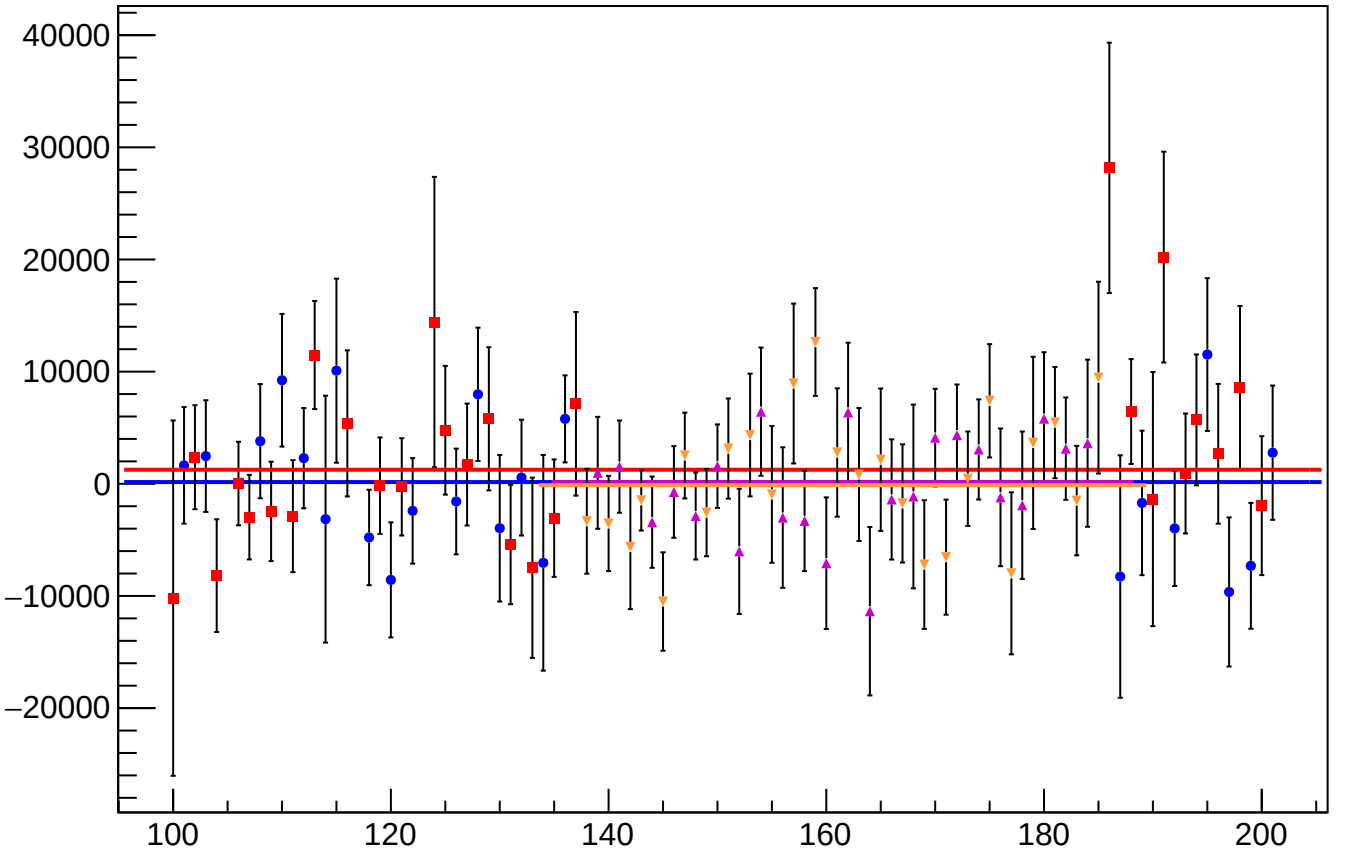
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1307.597+/-0.184 χ^2/NDF: 877925.3/50

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98



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: 1253.721+/-1052.769 χ^2/NDF: 30.9/27

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

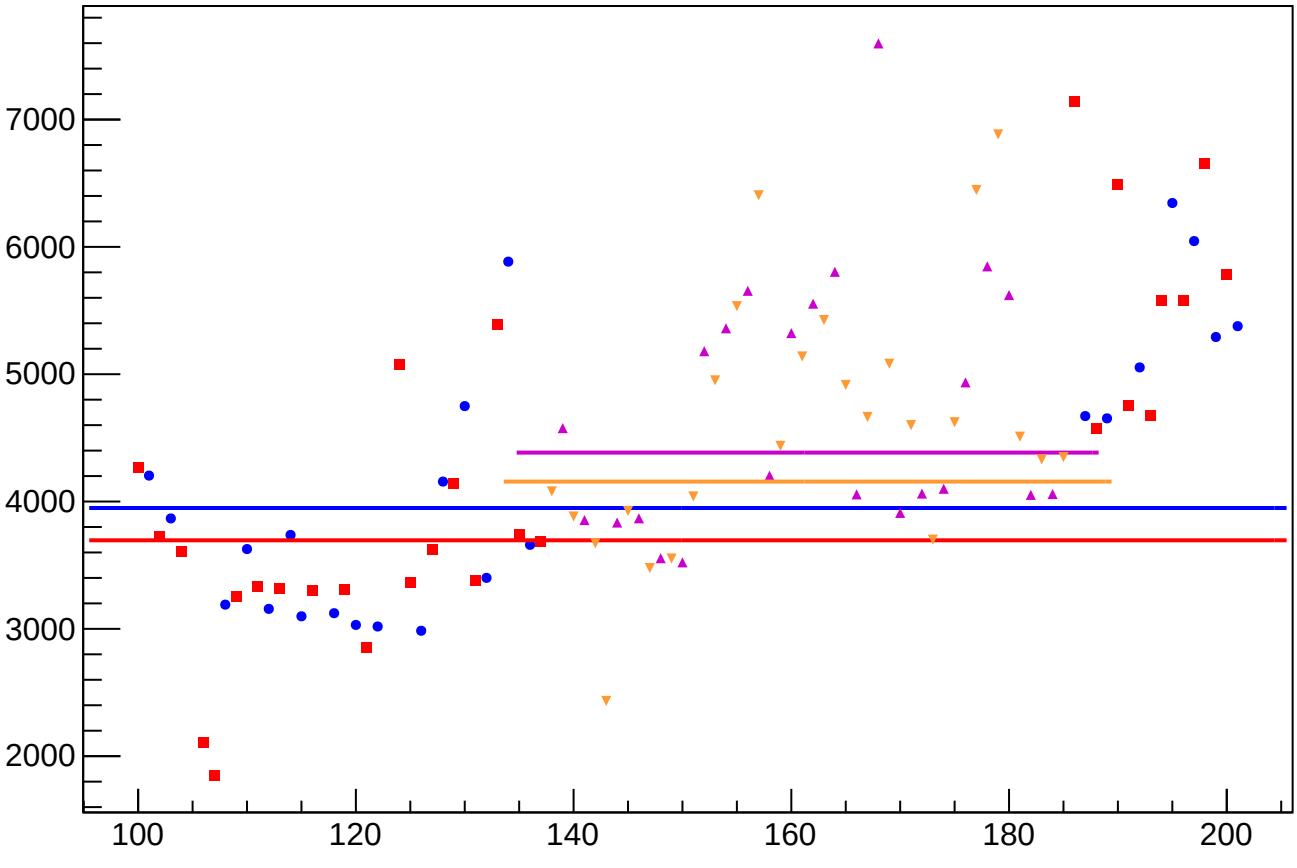
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 757.402+/-779.861 χ^2/NDF: 54.1/50

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 348.828+/-526.592 χ^2/NDF: 97.0/98



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: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

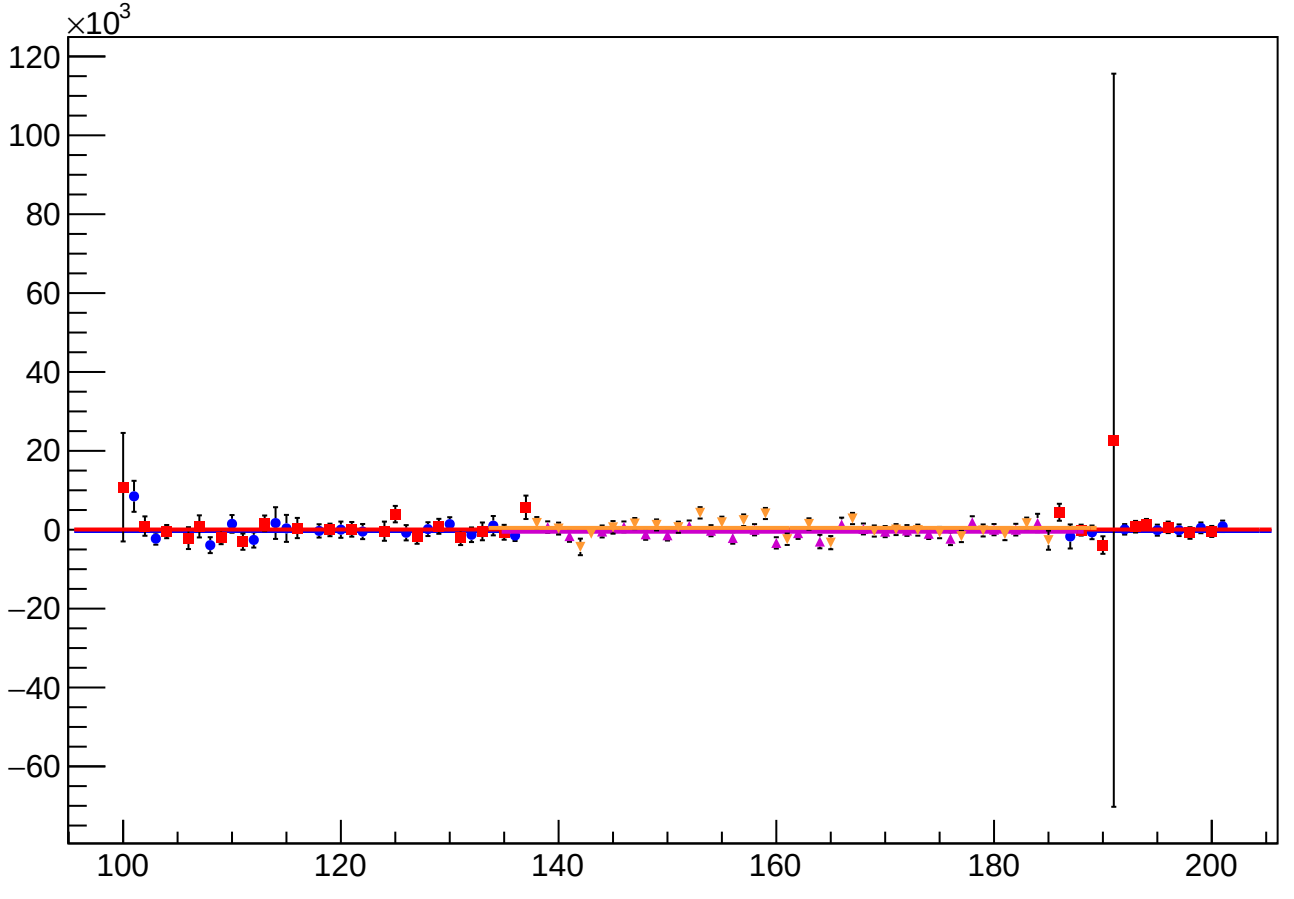
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3810.013+/-0.551 χ^2/NDF: 3987603.3/50

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98



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: 57.922+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

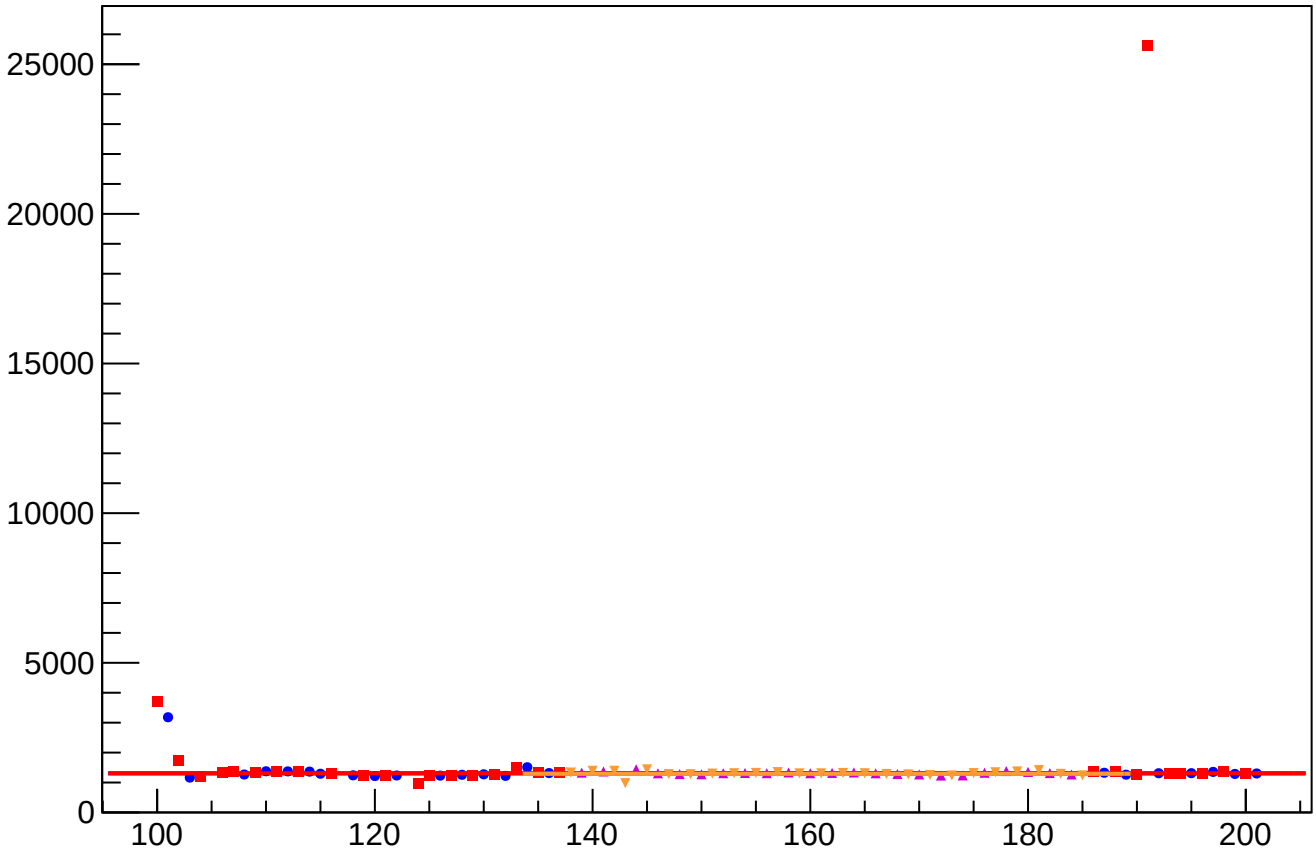
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -124.443+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

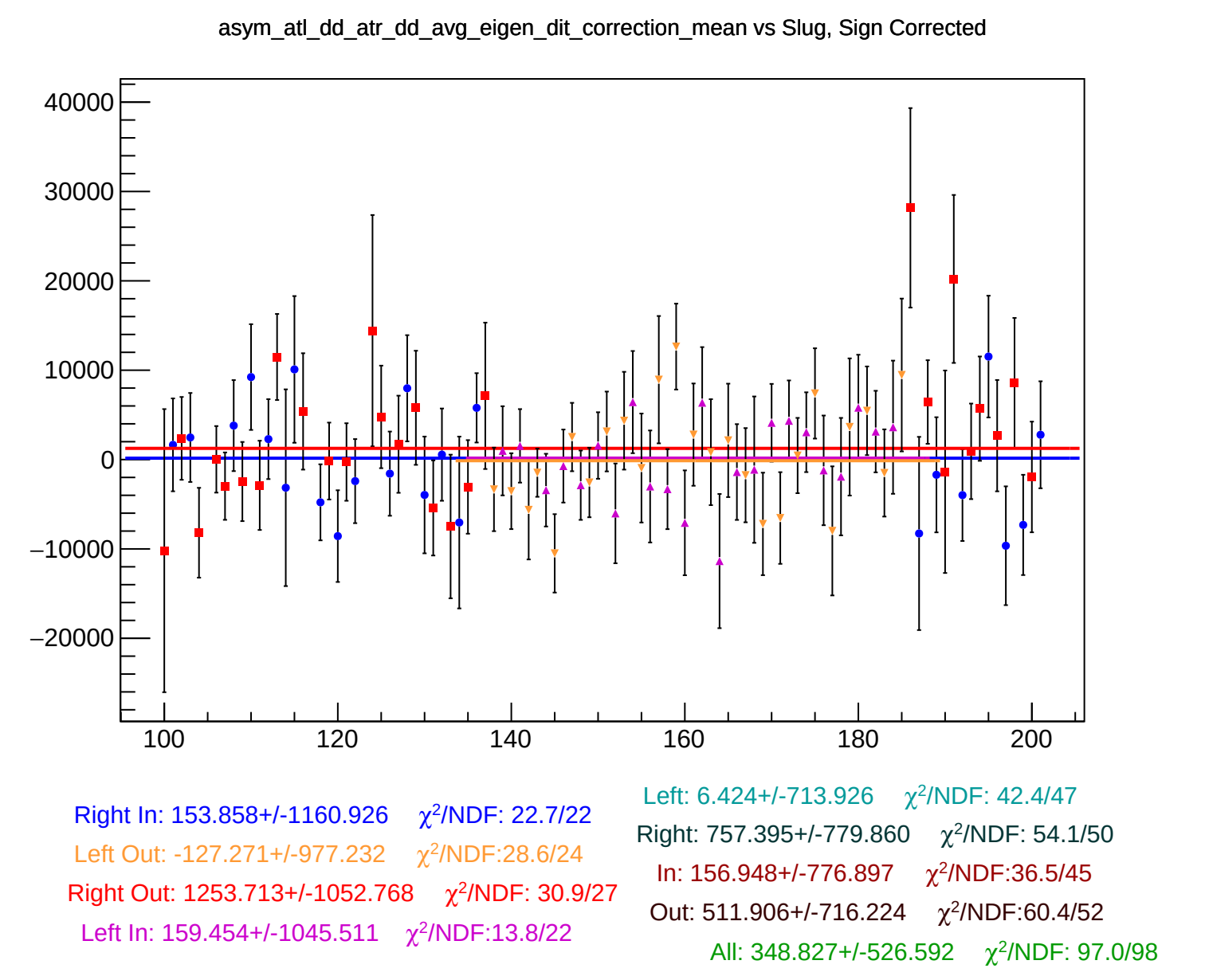
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

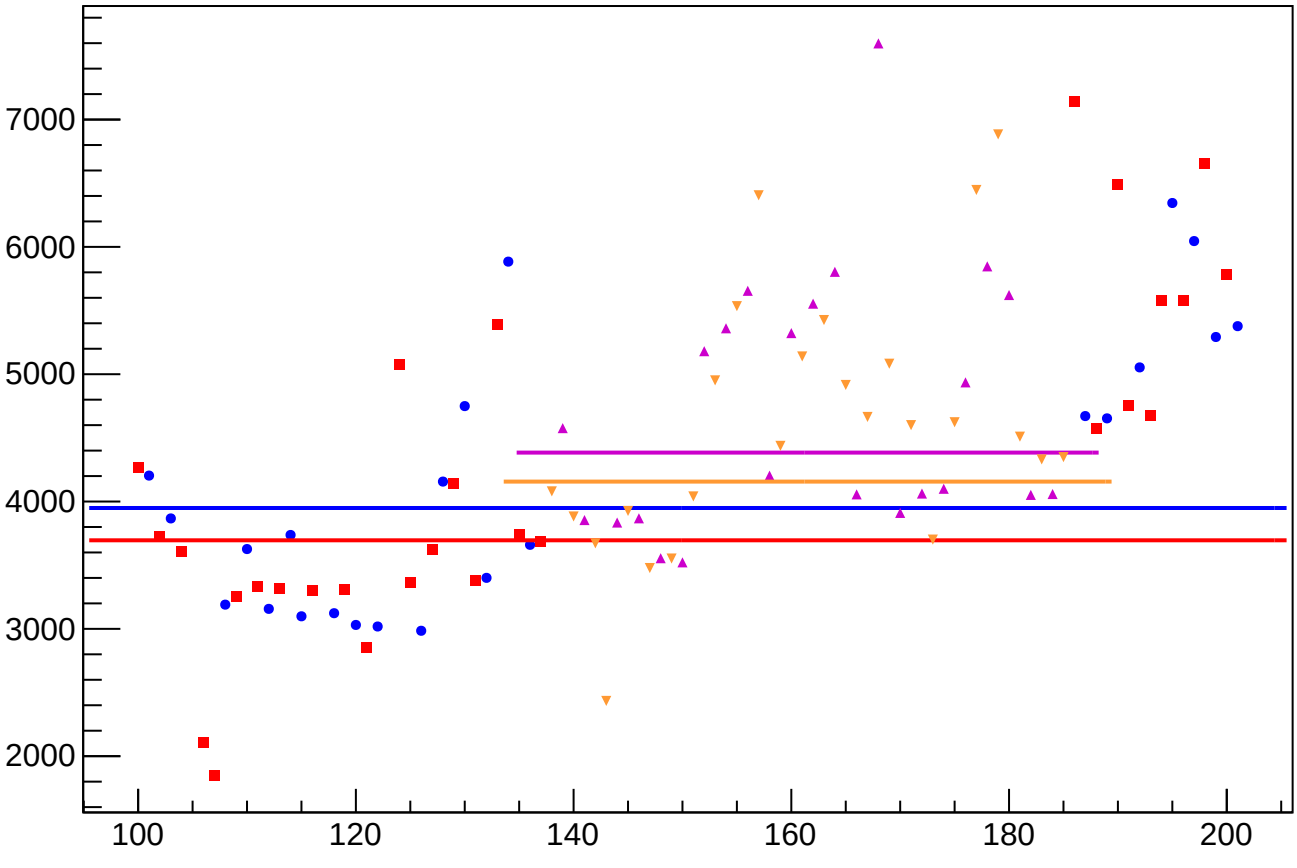
Right: 1307.597+/-0.184 χ^2/NDF: 877925.8/50

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 153.858+/-1160.926 χ²/NDF: 22.7/22
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 1253.713+/-1052.768 χ²/NDF: 30.9/27
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 757.395+/-779.860 χ²/NDF: 54.1/50
In: 156.948+/-776.897 χ²/NDF:36.5/45
Out: 511.906+/-716.224 χ²/NDF:60.4/52
All: 348.827+/-526.592 χ²/NDF: 97.0/98



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: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

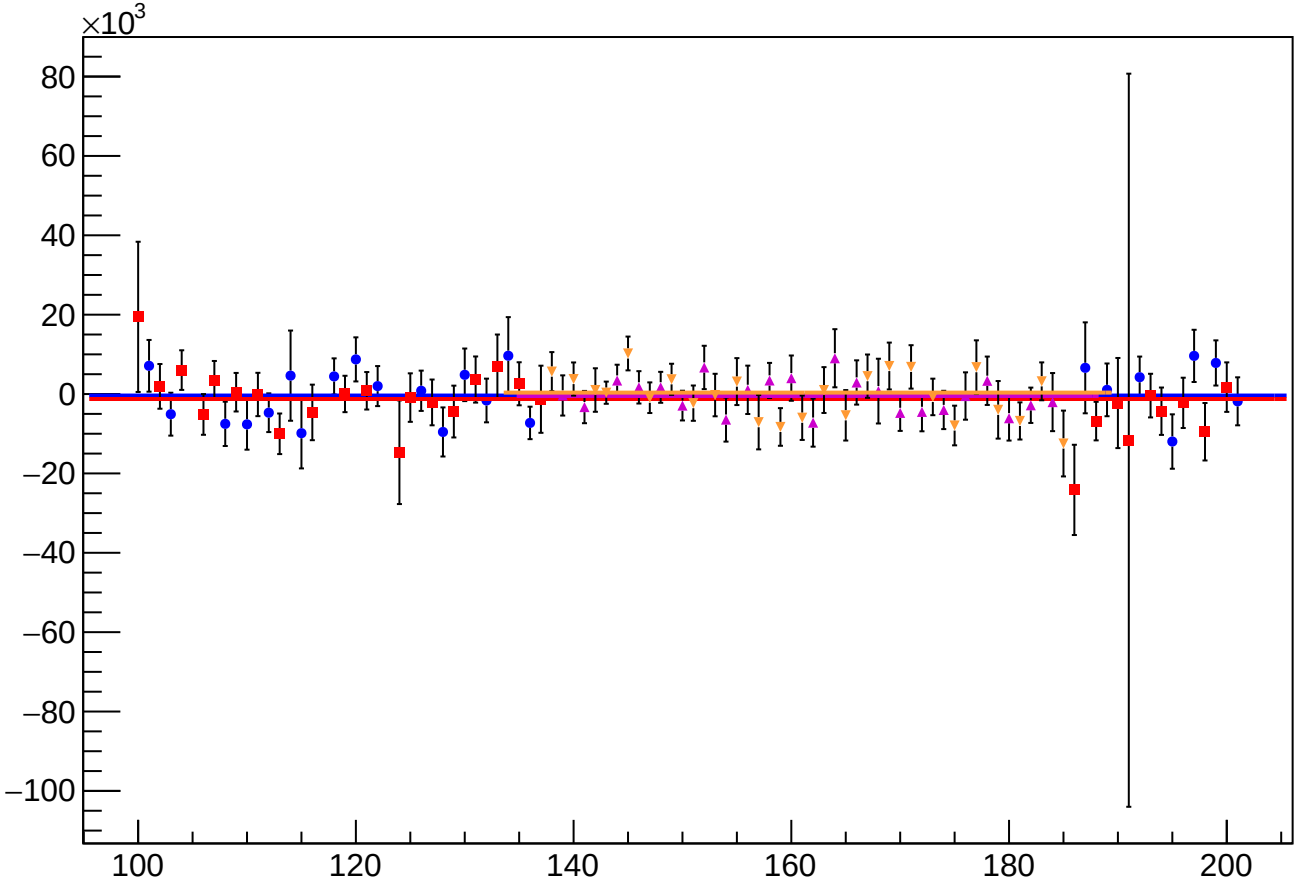
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3810.006+/-0.551 χ^2/NDF: 3987642.1/50

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98



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: -1246.727+/-1155.430 χ^2/NDF: 19.5/27

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

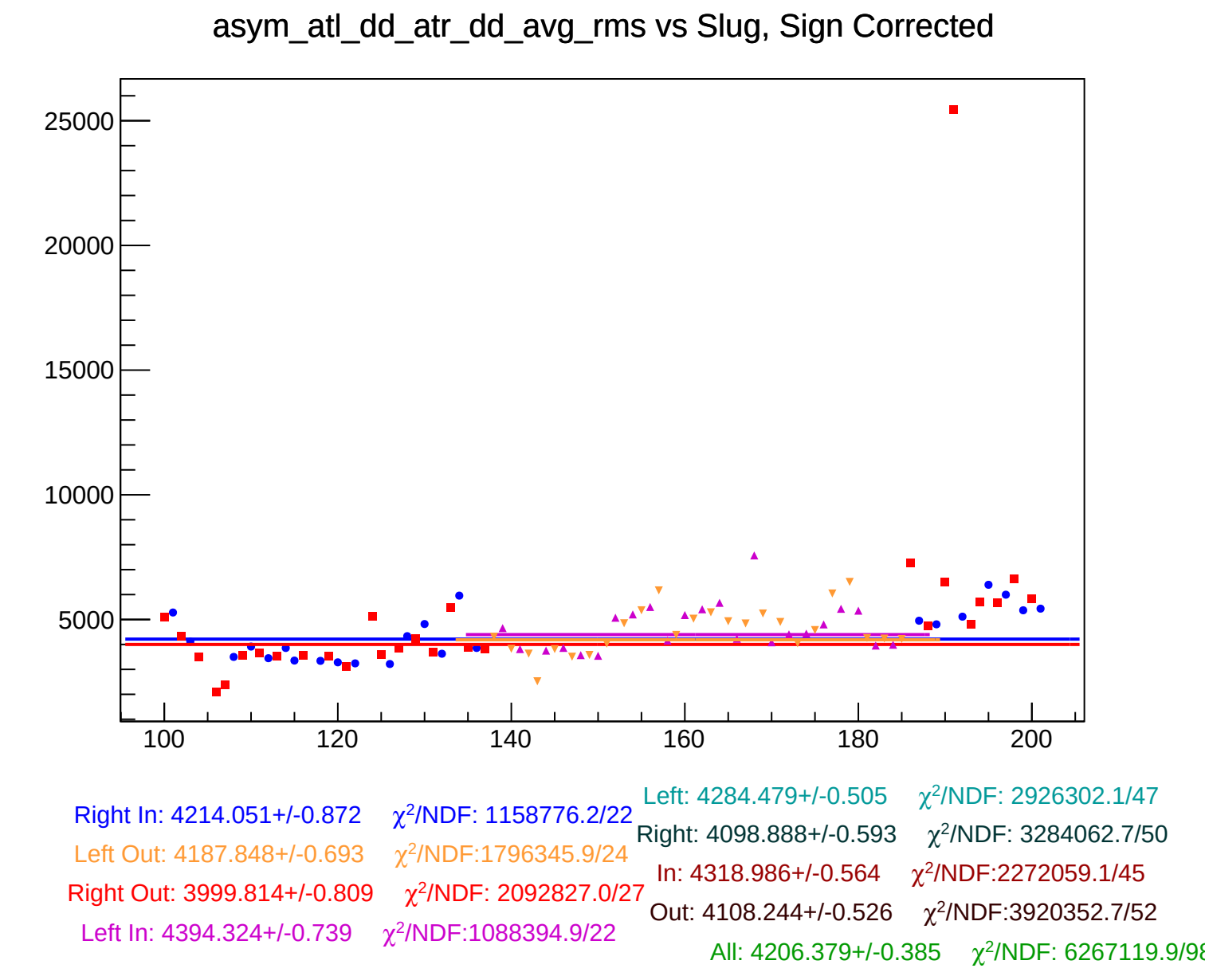
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -839.851+/-843.089 χ^2/NDF: 46.3/50

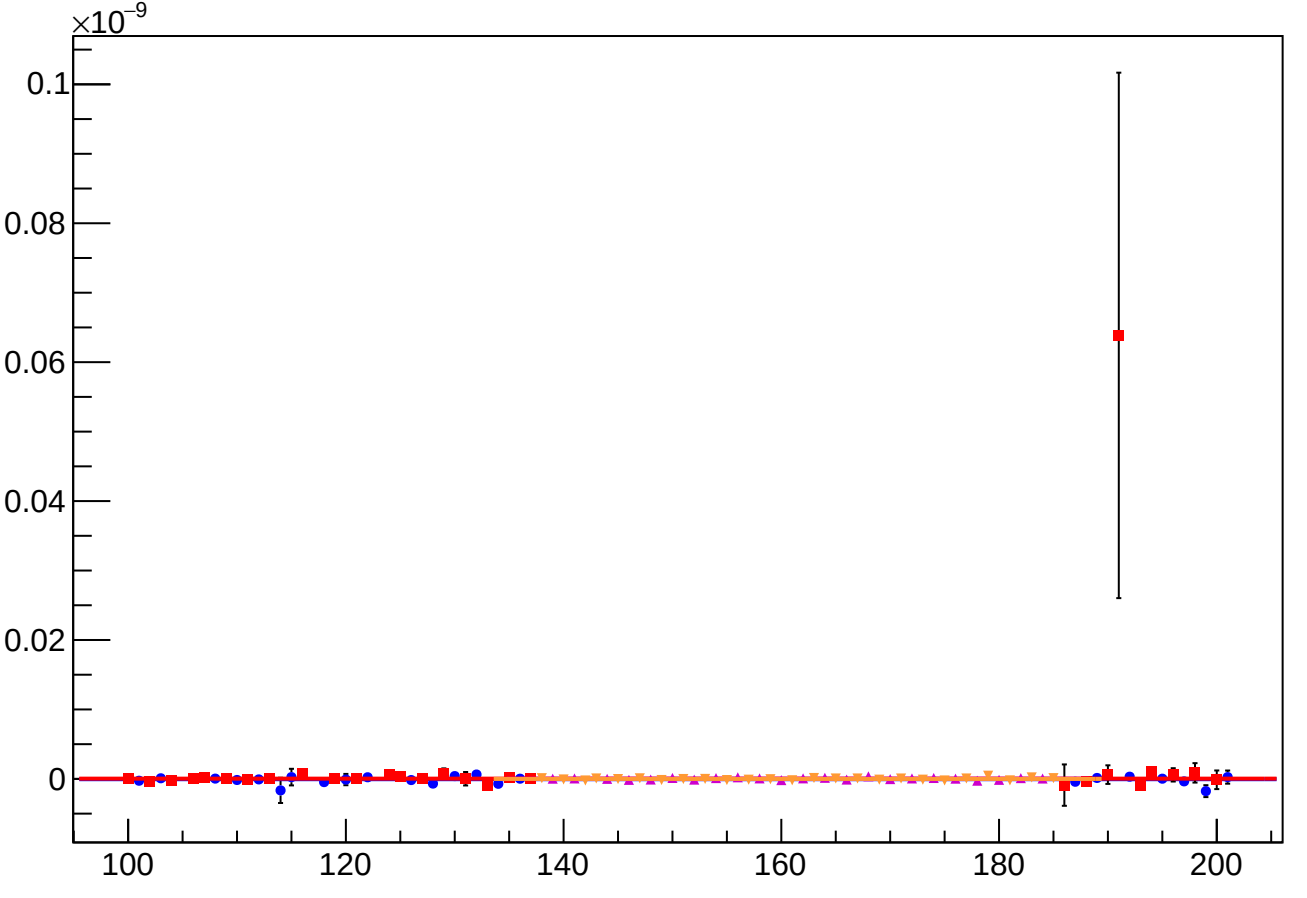
In: -446.963+/-797.058 χ^2/NDF:40.4/45

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -374.431+/-545.168 χ^2/NDF: 88.7/98


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: 3999.814+/-0.809 χ²/NDF: 2092827.0/27
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4098.888+/-0.593 χ²/NDF: 3284062.7/50
In: 4318.986+/-0.564 χ²/NDF:2272059.1/45
Out: 4108.244+/-0.526 χ²/NDF:3920352.7/52
All: 4206.379+/-0.385 χ²/NDF: 6267119.9/98

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: 26.5/27

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

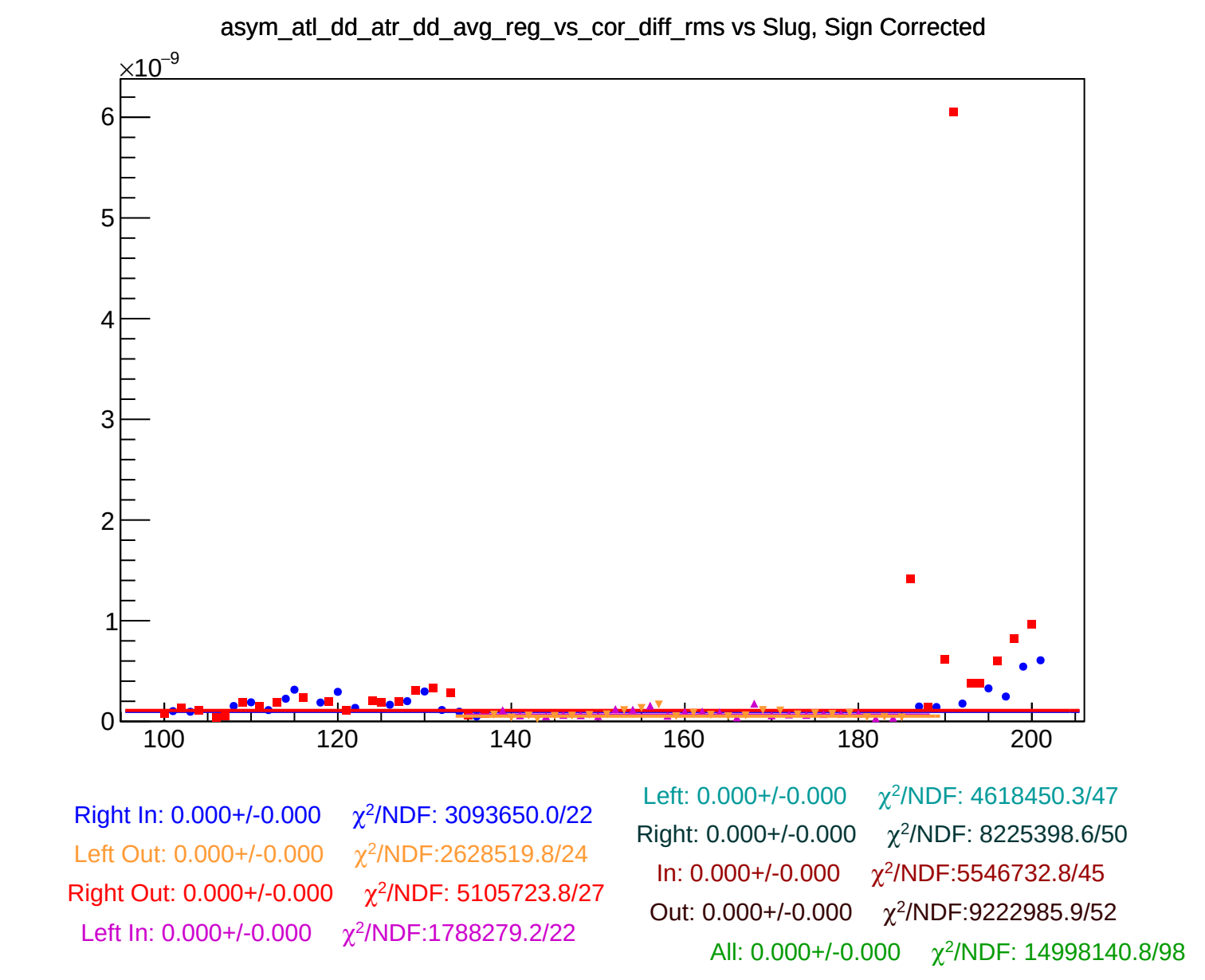
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

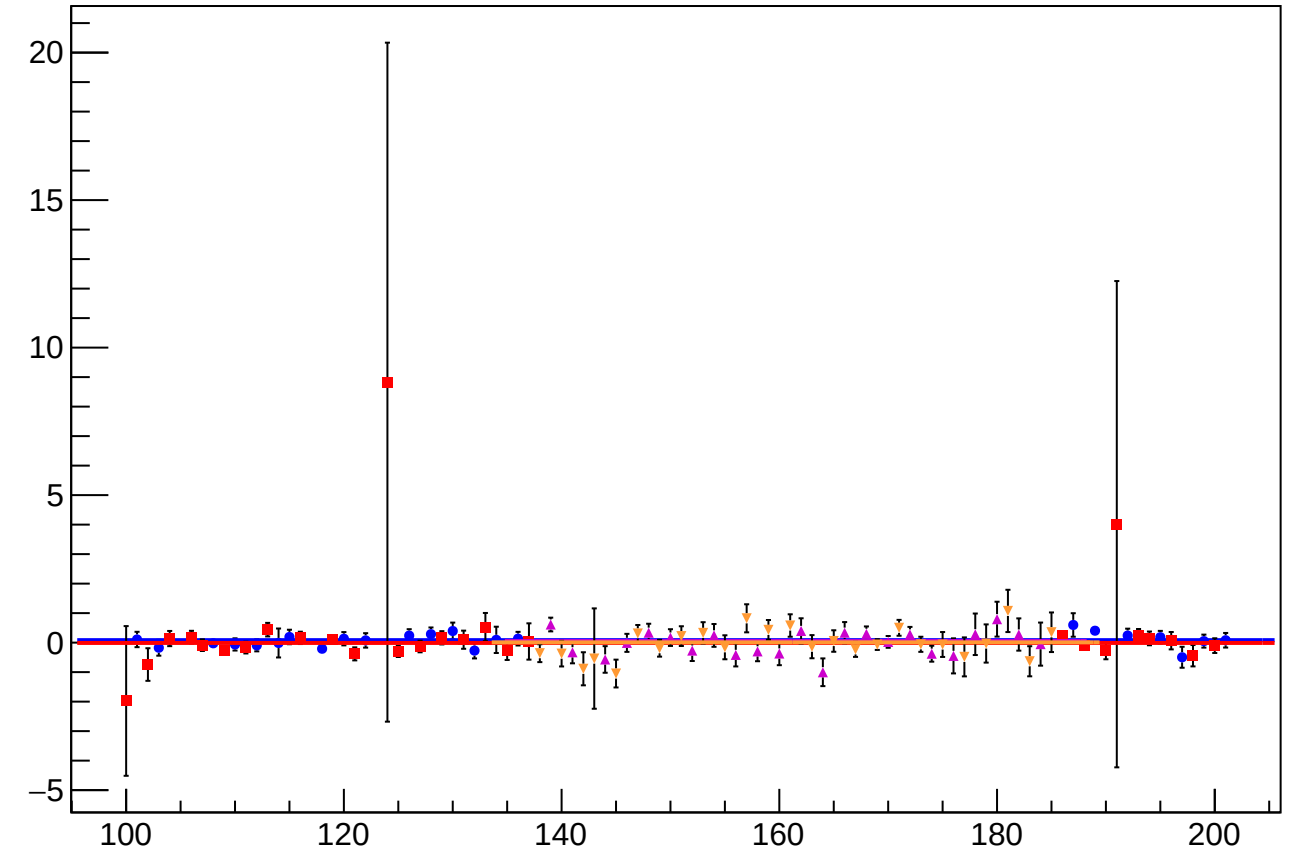
Right: -0.000+/-0.000 χ^2/NDF: 50.0/50

In: 0.000+/-0.000 χ^2/NDF:40.6/45

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/98


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: 5105723.8/27
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: 8225398.6/50
In: 0.000+/-0.000 χ²/NDF:5546732.8/45
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14998140.8/98



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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

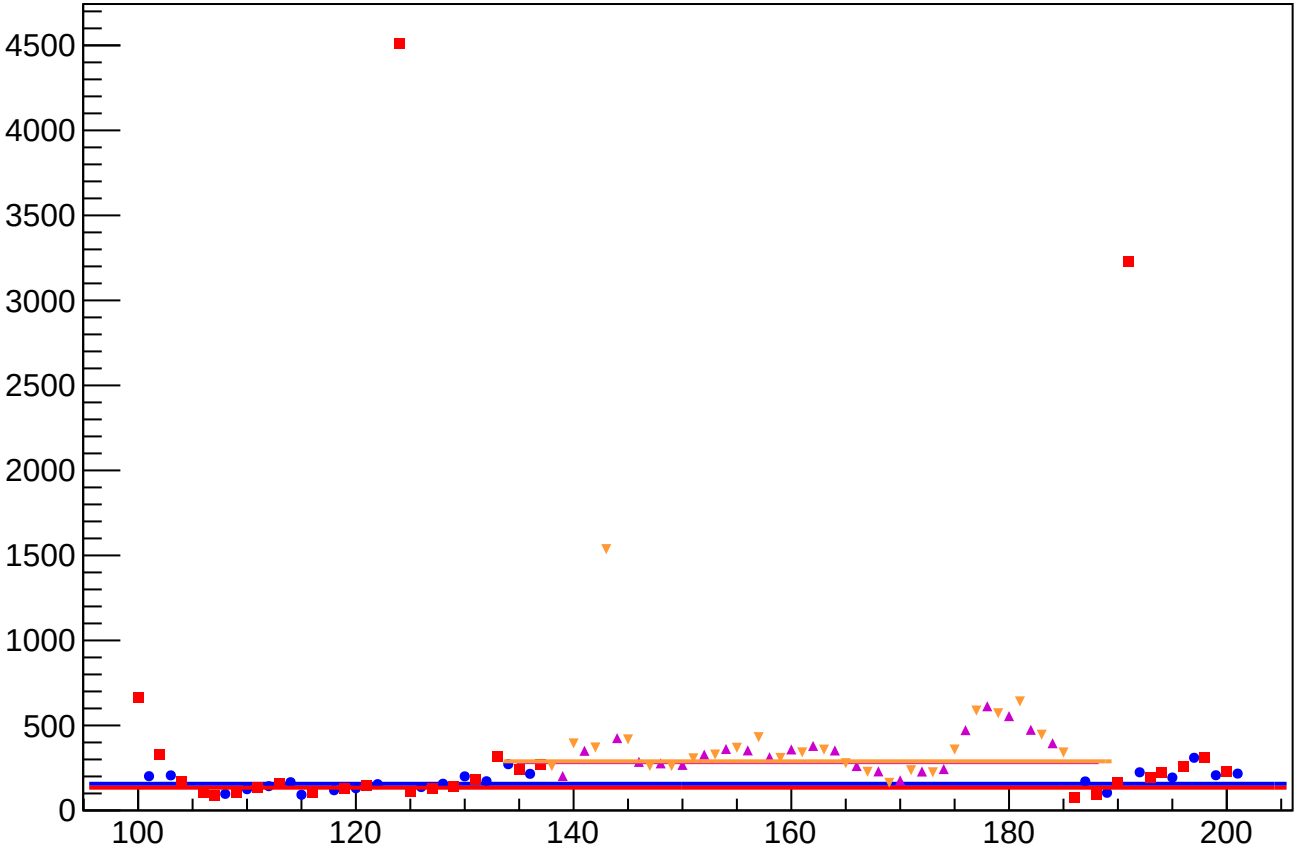
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

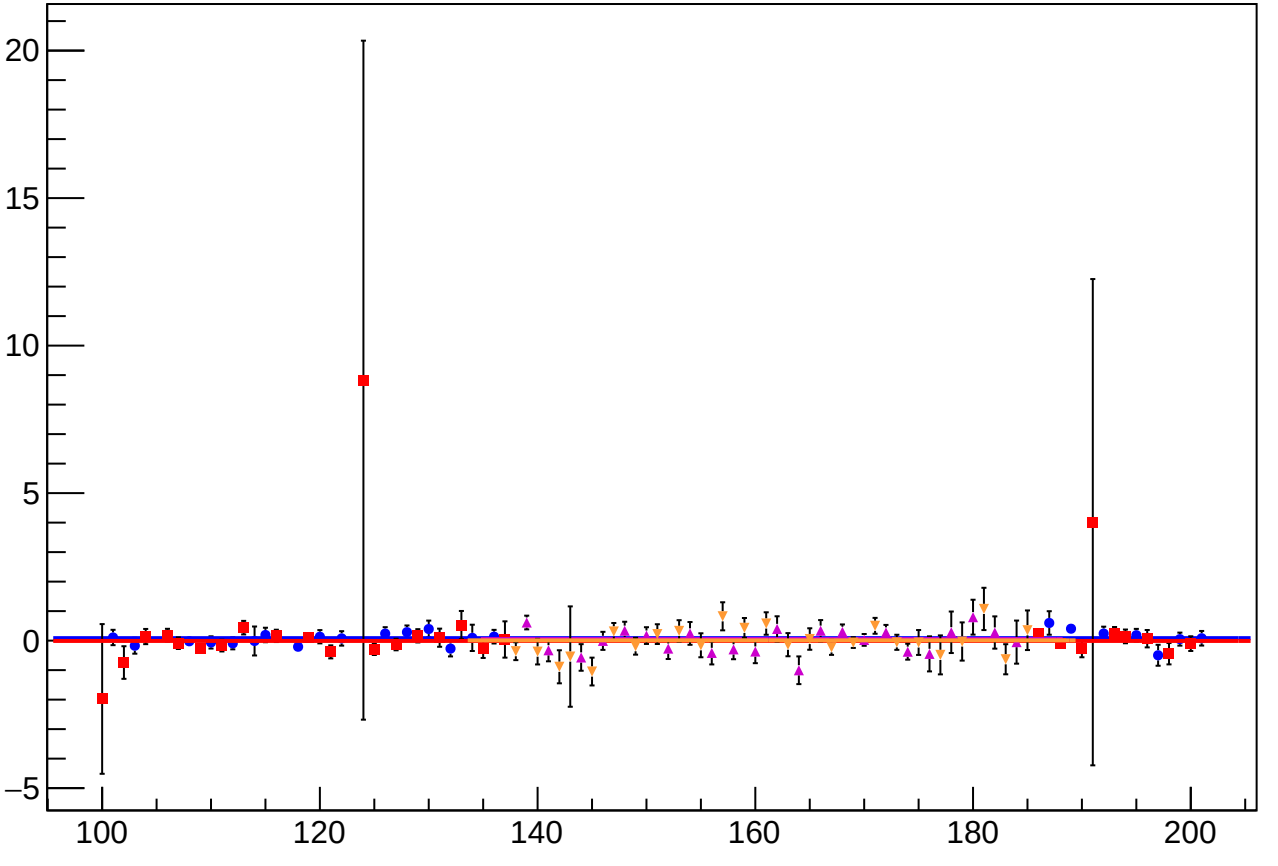
Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

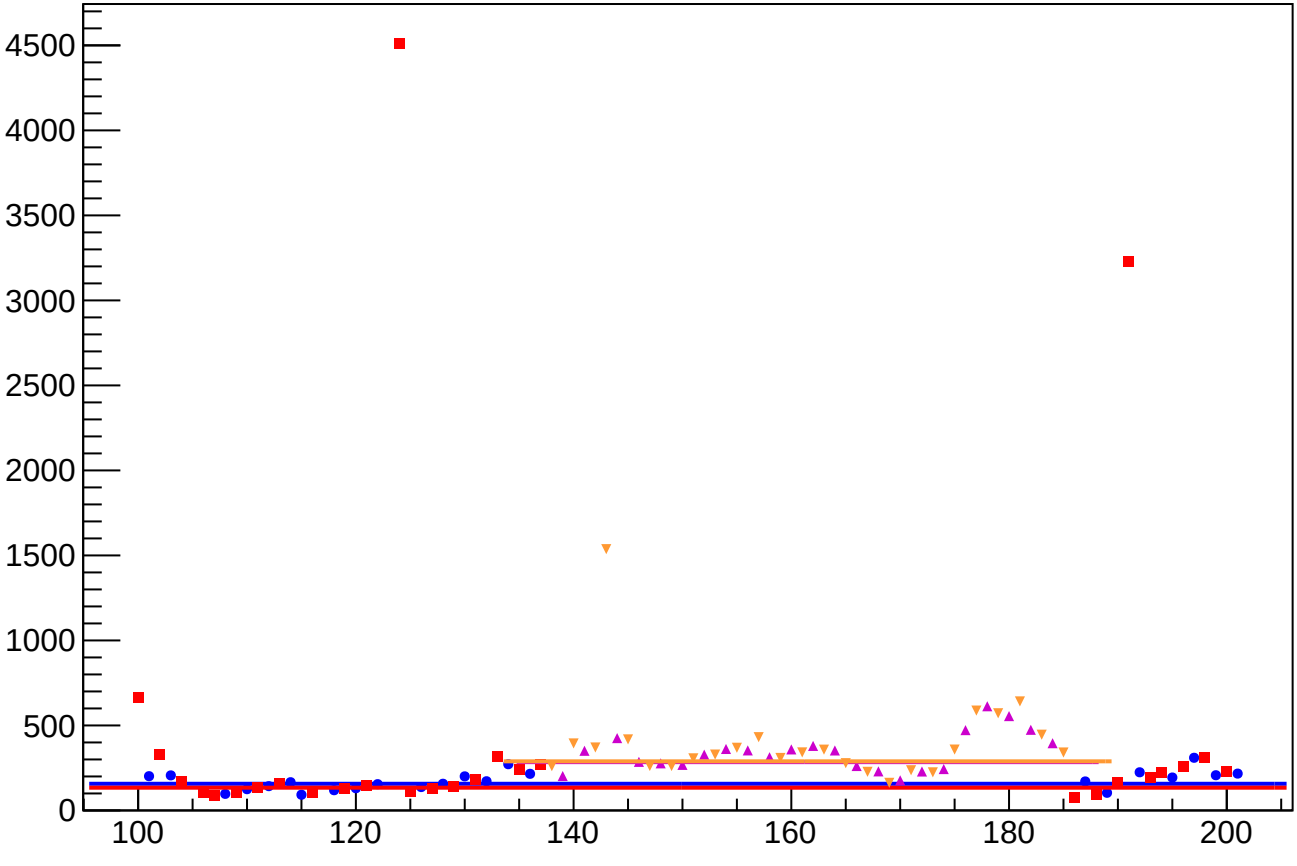
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

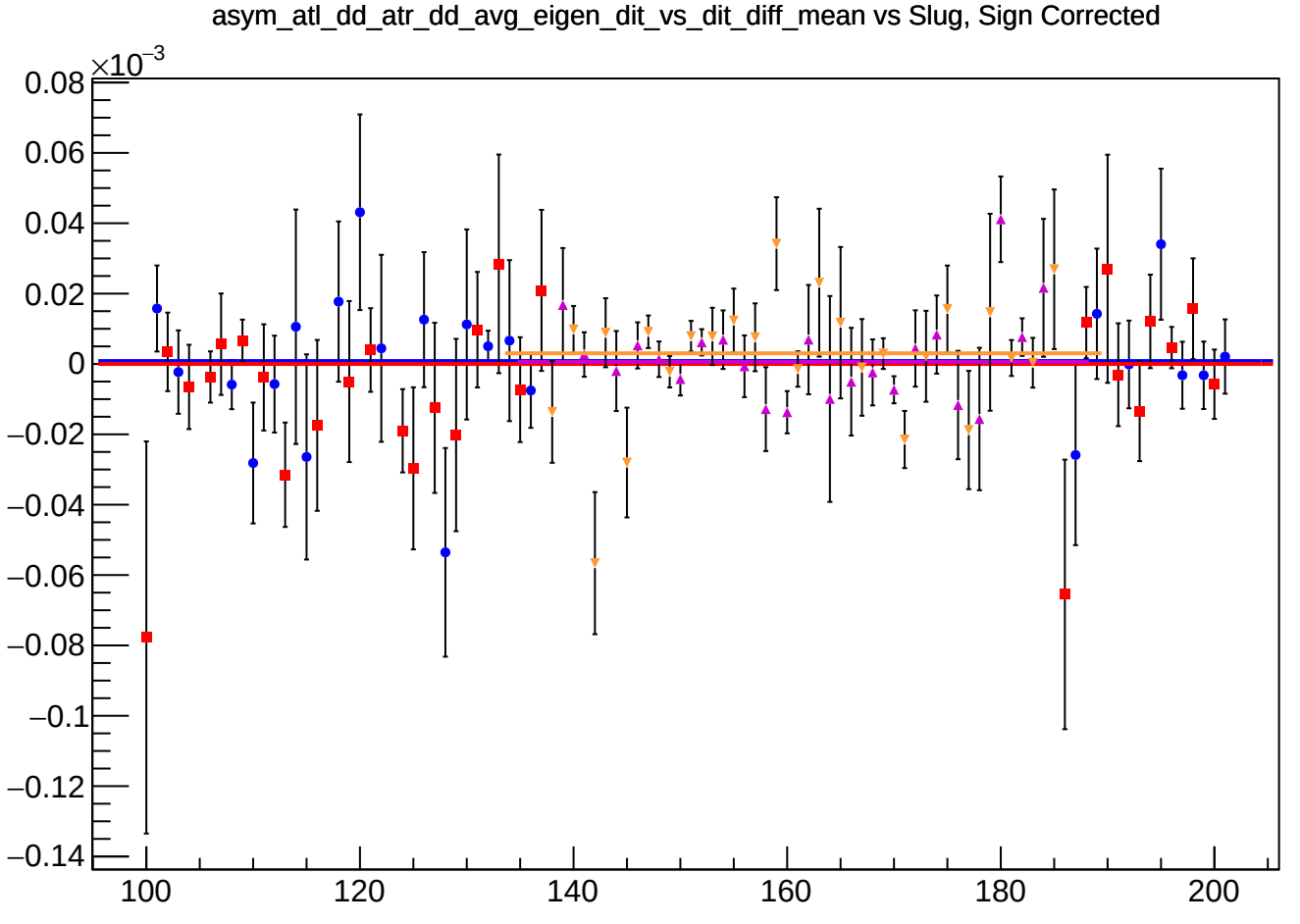
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98



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: 25.5/27

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

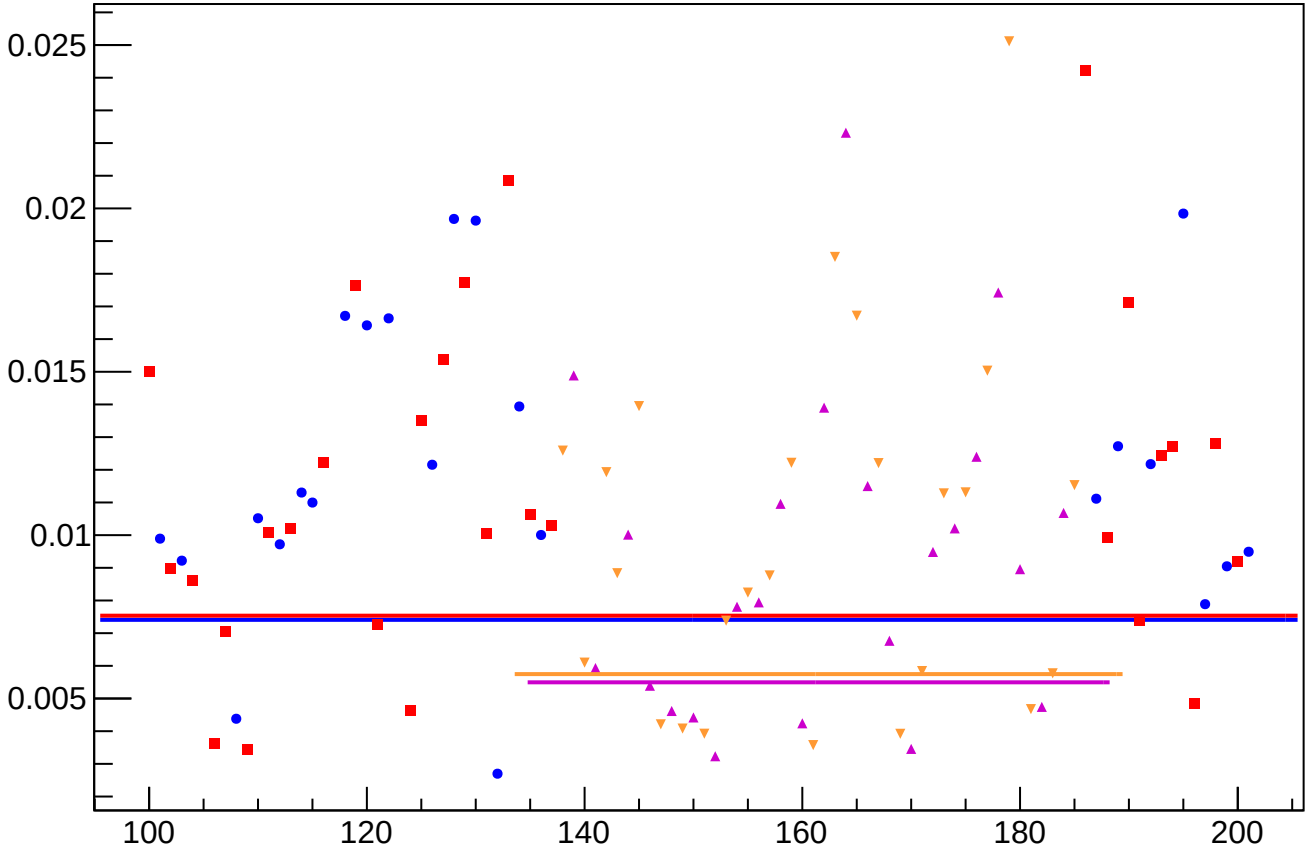
Right: 0.000+/-0.000 χ^2/NDF: 44.8/50

In: 0.000+/-0.000 χ^2/NDF:52.4/45

Out: 0.000+/-0.000 χ^2/NDF:68.9/52

All: 0.000+/-0.000 χ^2/NDF: 122.0/98

asym_atl_dd_atr_dd_avg_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: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

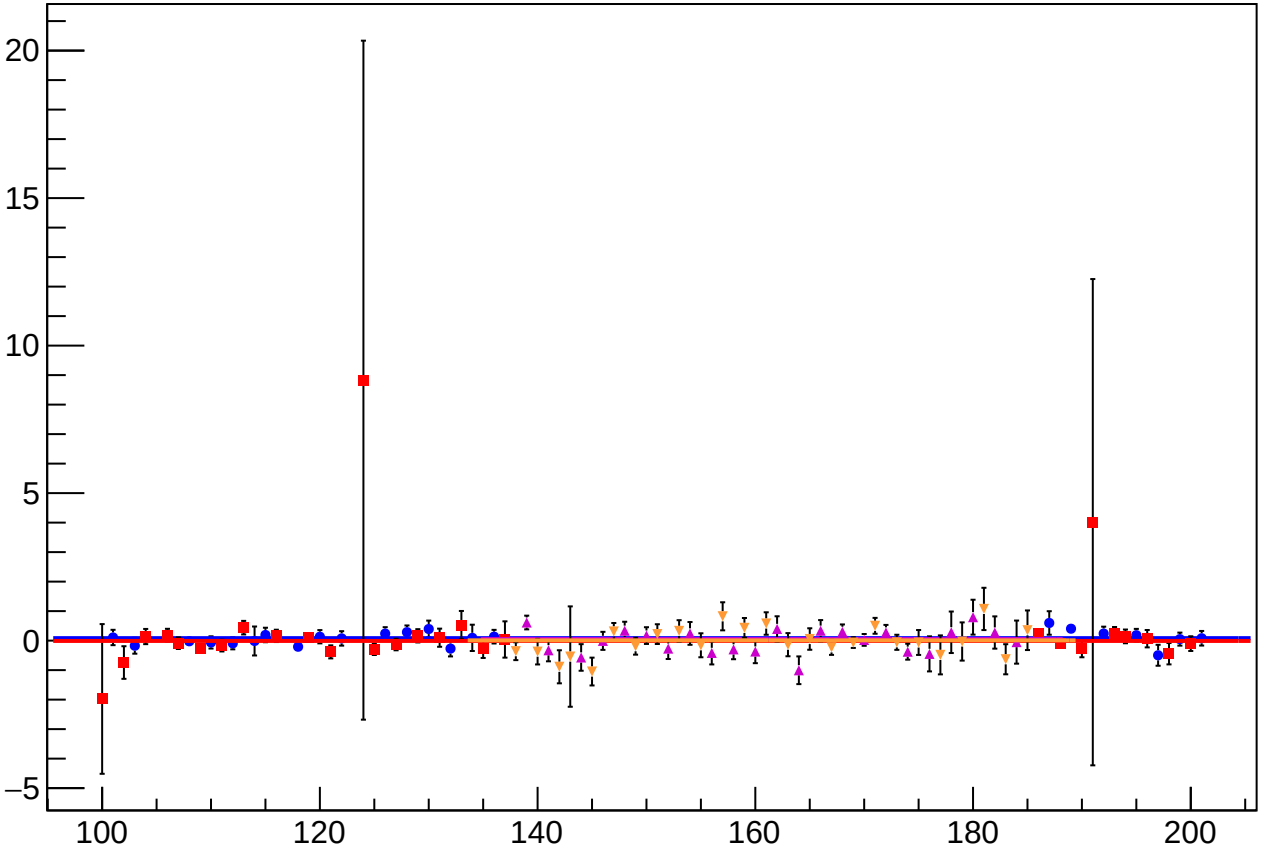
Right: 0.007+/-0.000 χ^2/NDF: 11638175.9/50

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28416040.9/98

asym_atl_dd_atr_dd_avg_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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

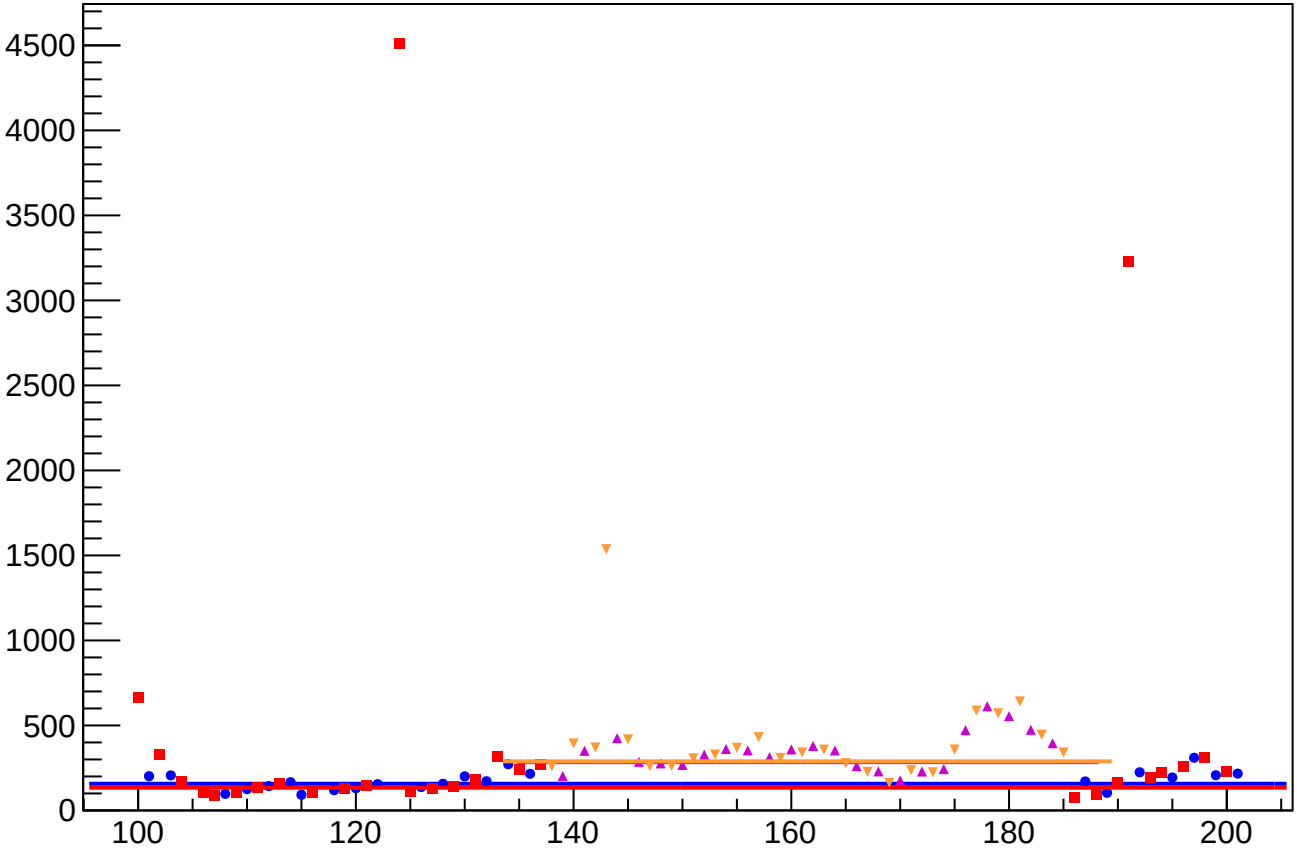
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

asym_atl_dd_atr_dd_avg_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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

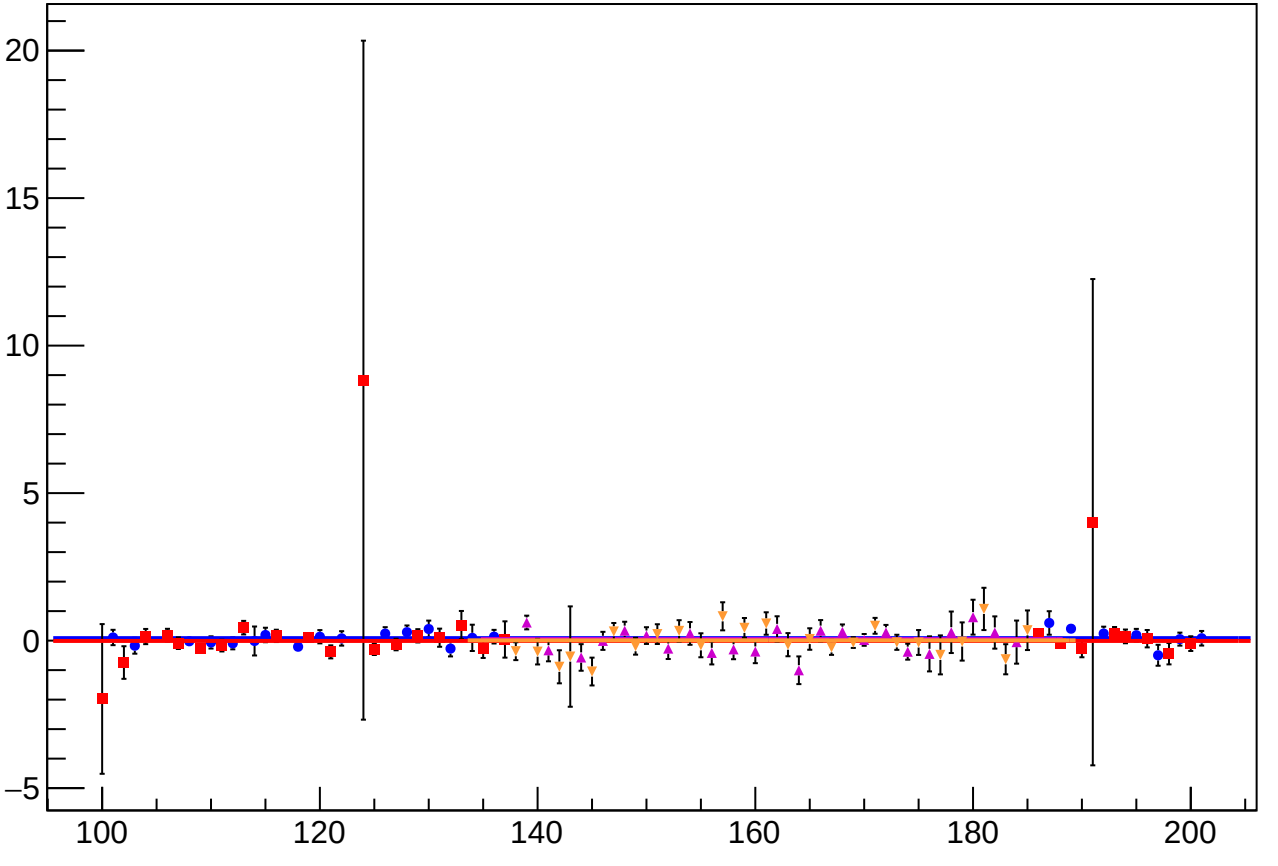
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

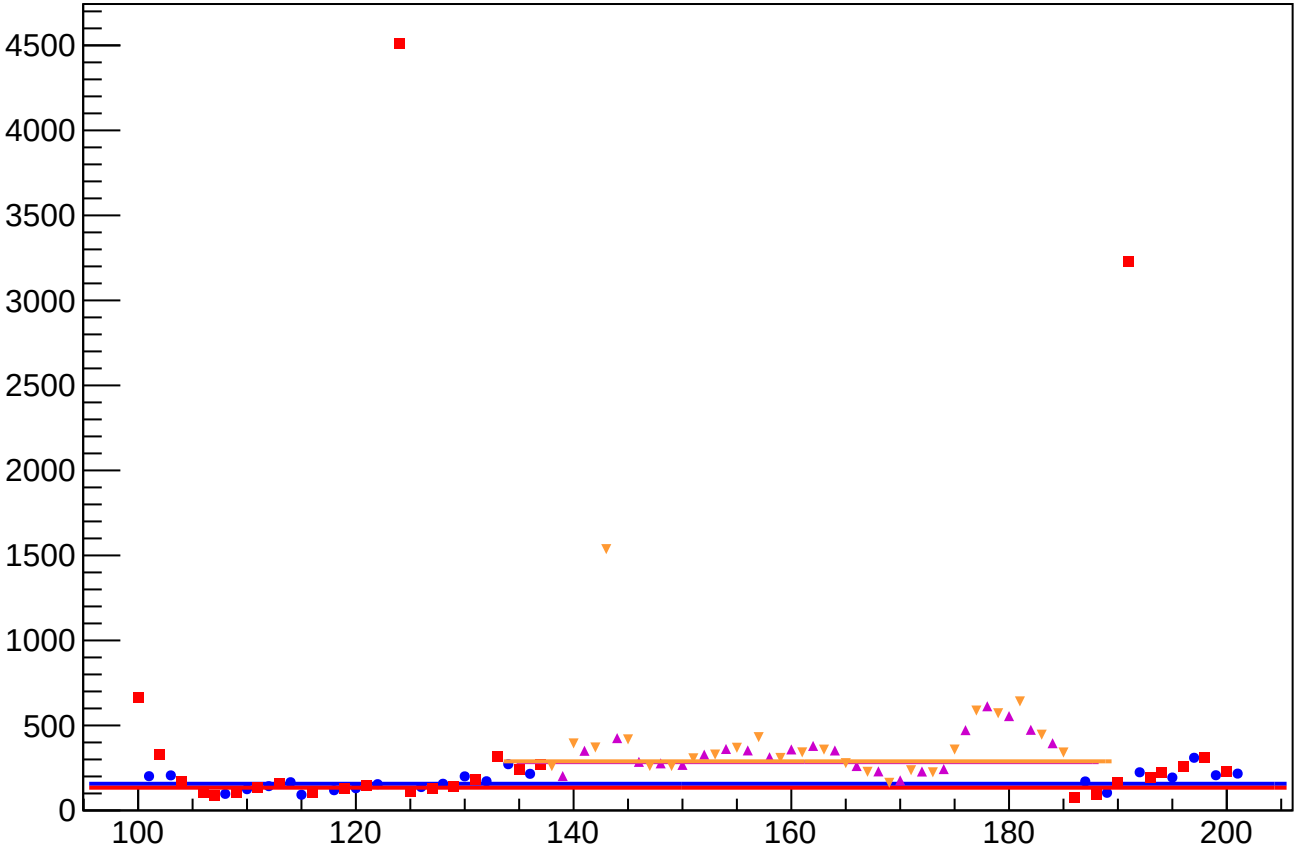
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

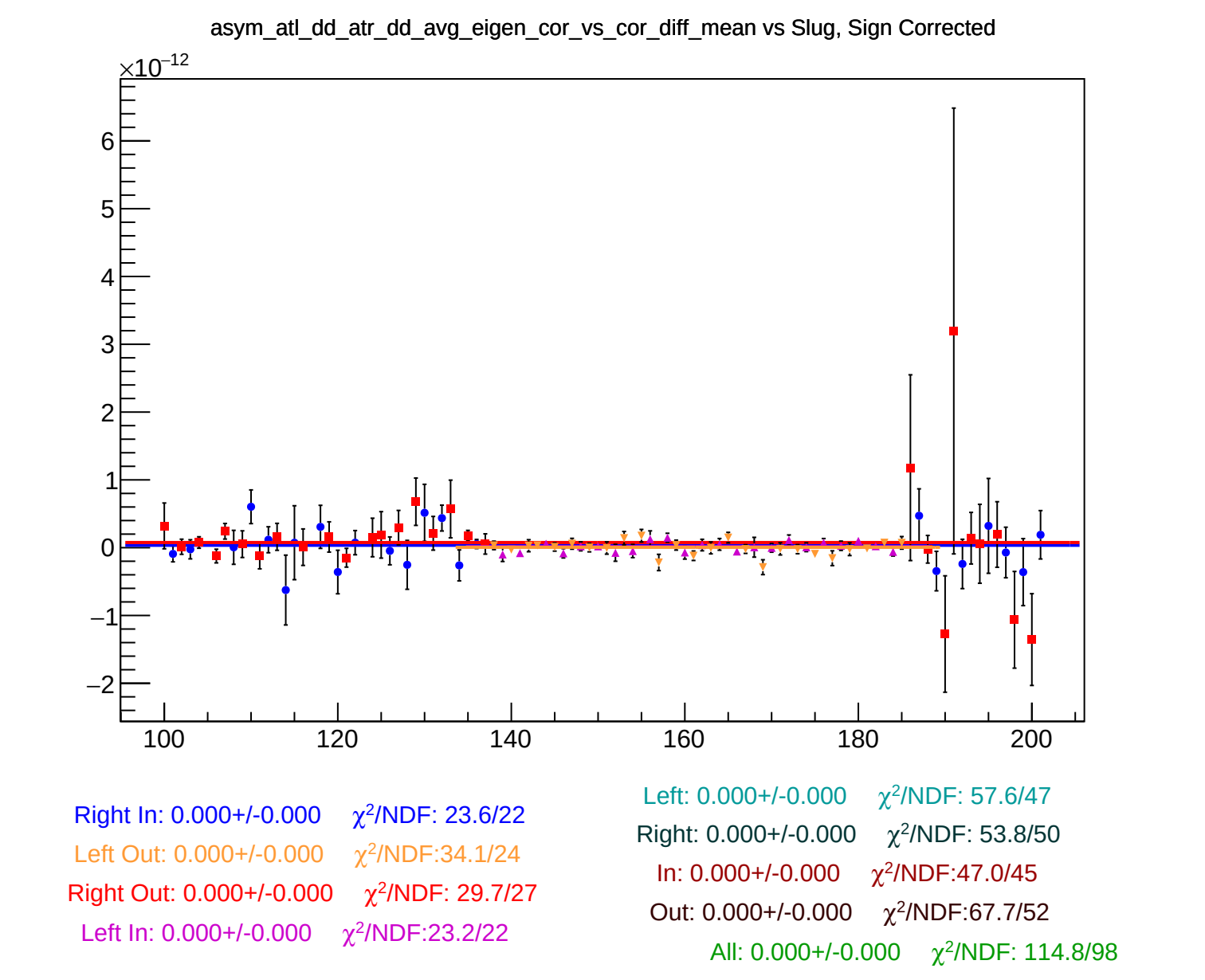
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

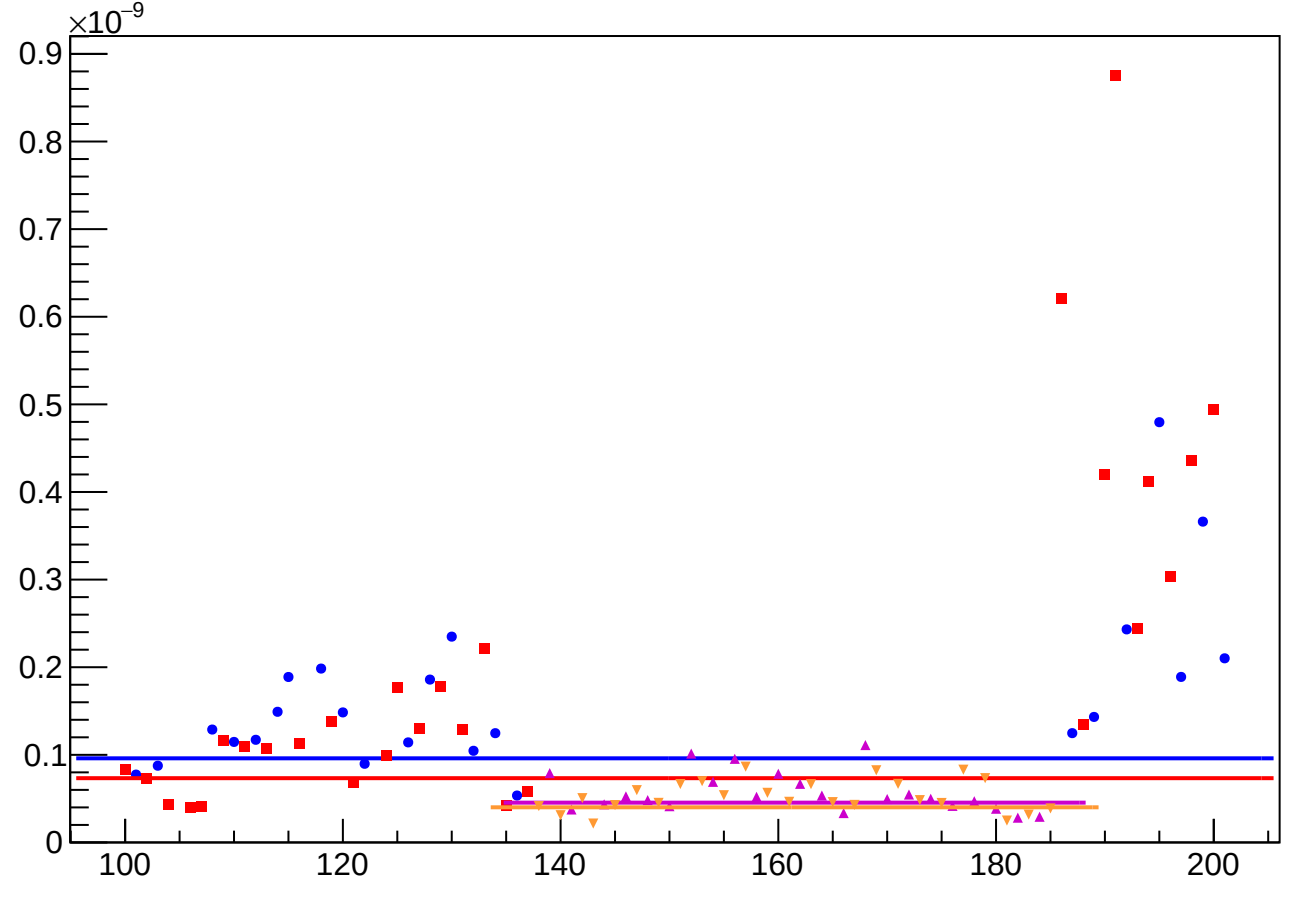
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98


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: 29.7/27
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: 53.8/50
In: 0.000+/-0.000 χ²/NDF:47.0/45
Out: 0.000+/-0.000 χ²/NDF:67.7/52
All: 0.000+/-0.000 χ²/NDF: 114.8/98



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: 6036006.9/27

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

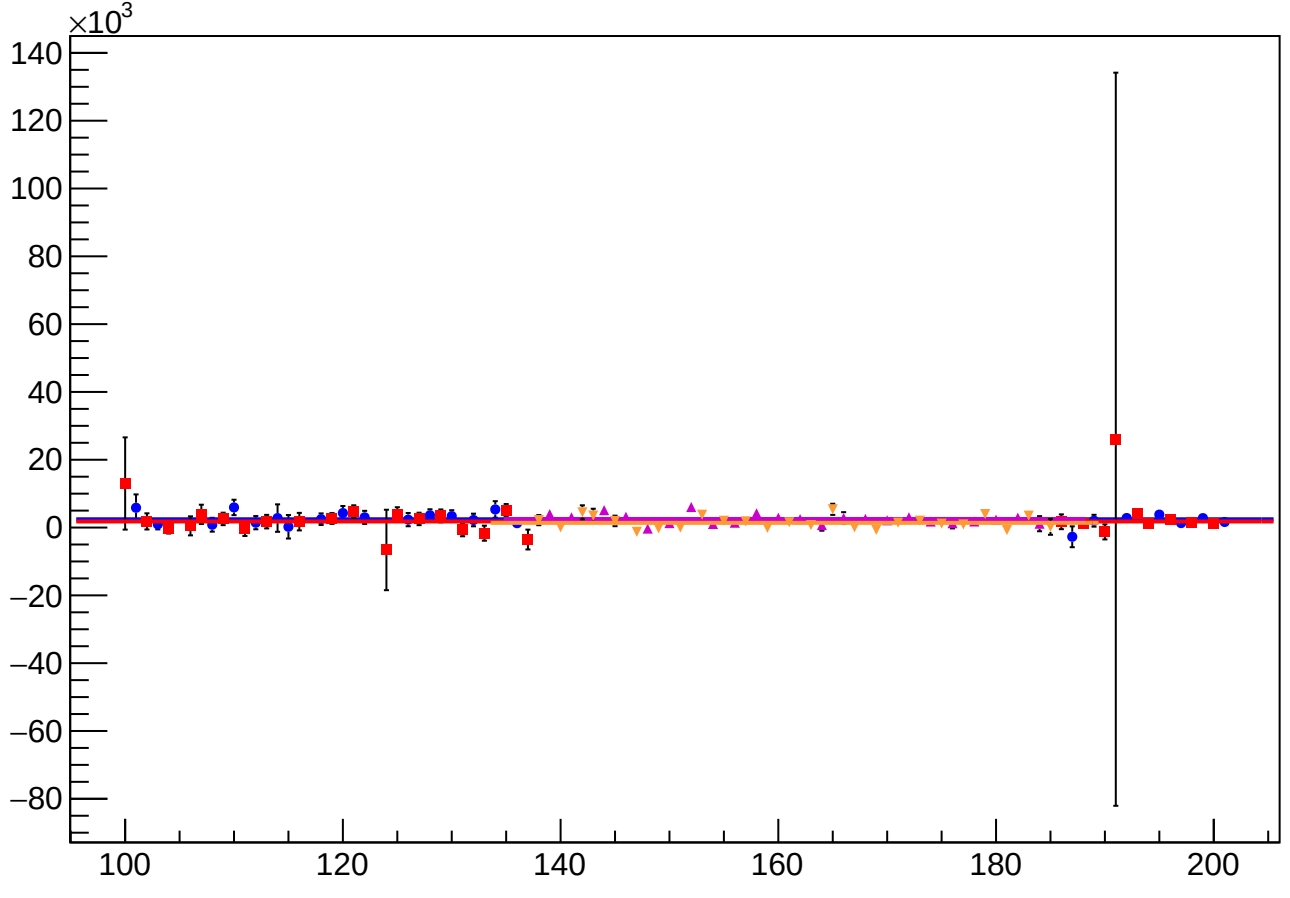
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9990368.1/50

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20776130.2/98



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: 1802.359+/-365.004 χ^2/NDF: 24.9/27

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

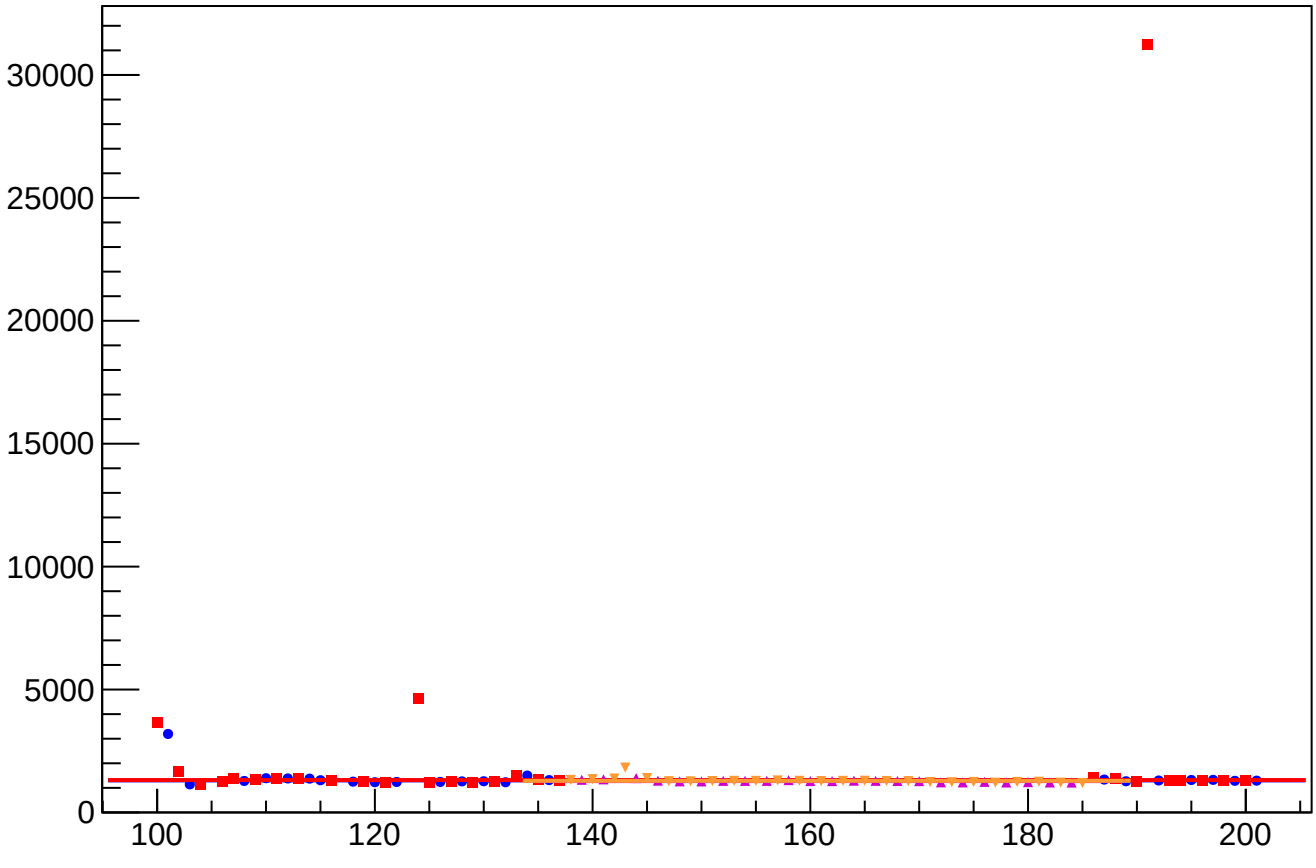
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2112.614+/-261.754 χ^2/NDF: 40.4/50

In: 2489.117+/-233.489 χ^2/NDF:36.5/45

Out: 1547.334+/-228.384 χ^2/NDF:58.6/52

All: 2007.817+/-163.267 χ^2/NDF: 103.4/98



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: 1317.051+/-0.258 χ^2/NDF: 488853.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

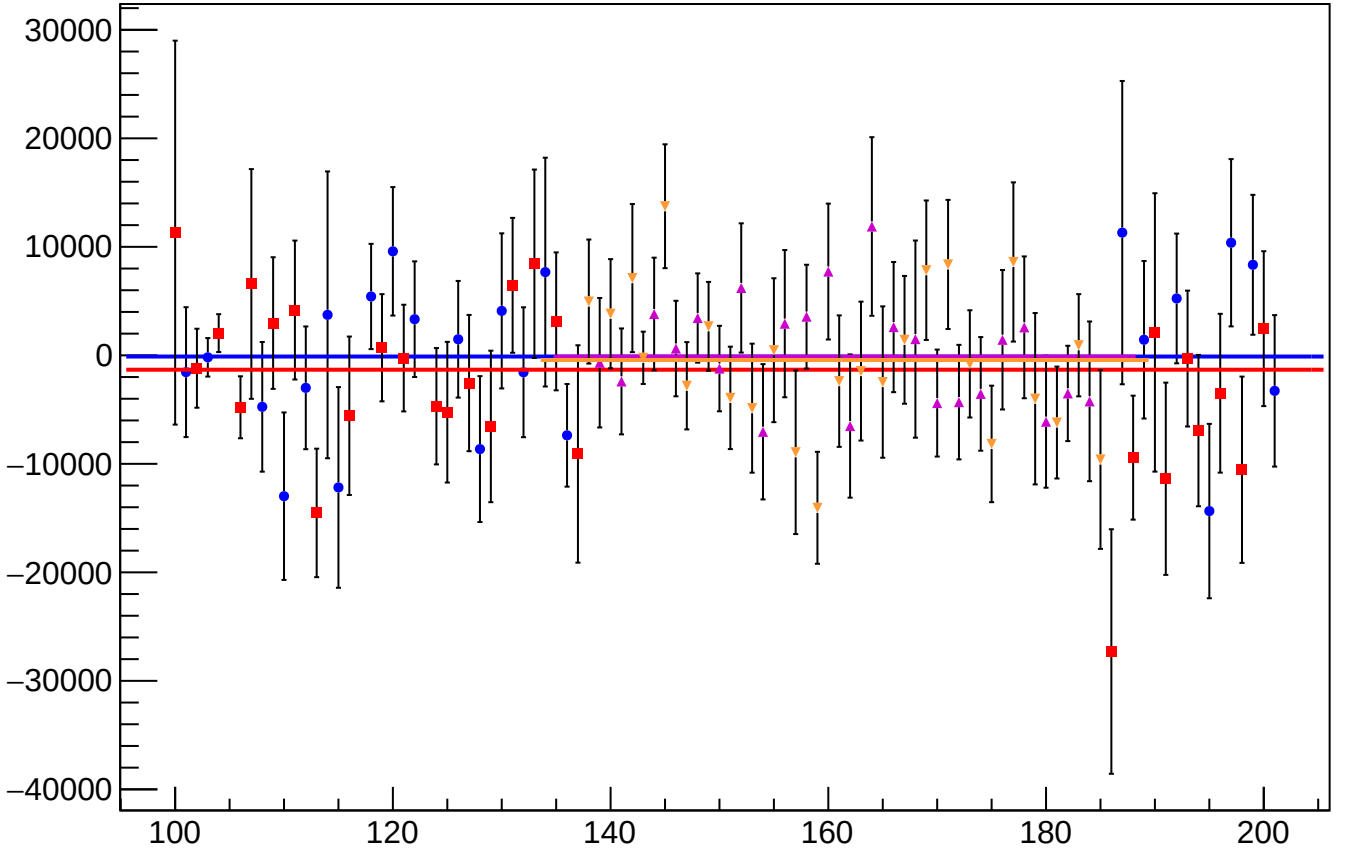
Right: 1311.180+/-0.185 χ^2/NDF: 1008436.3/50

In: 1287.151+/-0.165 χ^2/NDF:567230.9/45

Out: 1297.965+/-0.161 χ^2/NDF:688904.4/52

All: 1292.681+/-0.115 χ^2/NDF: 1258328.8/98

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: -1324.905+/-974.516 χ^2/NDF: 29.2/27

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

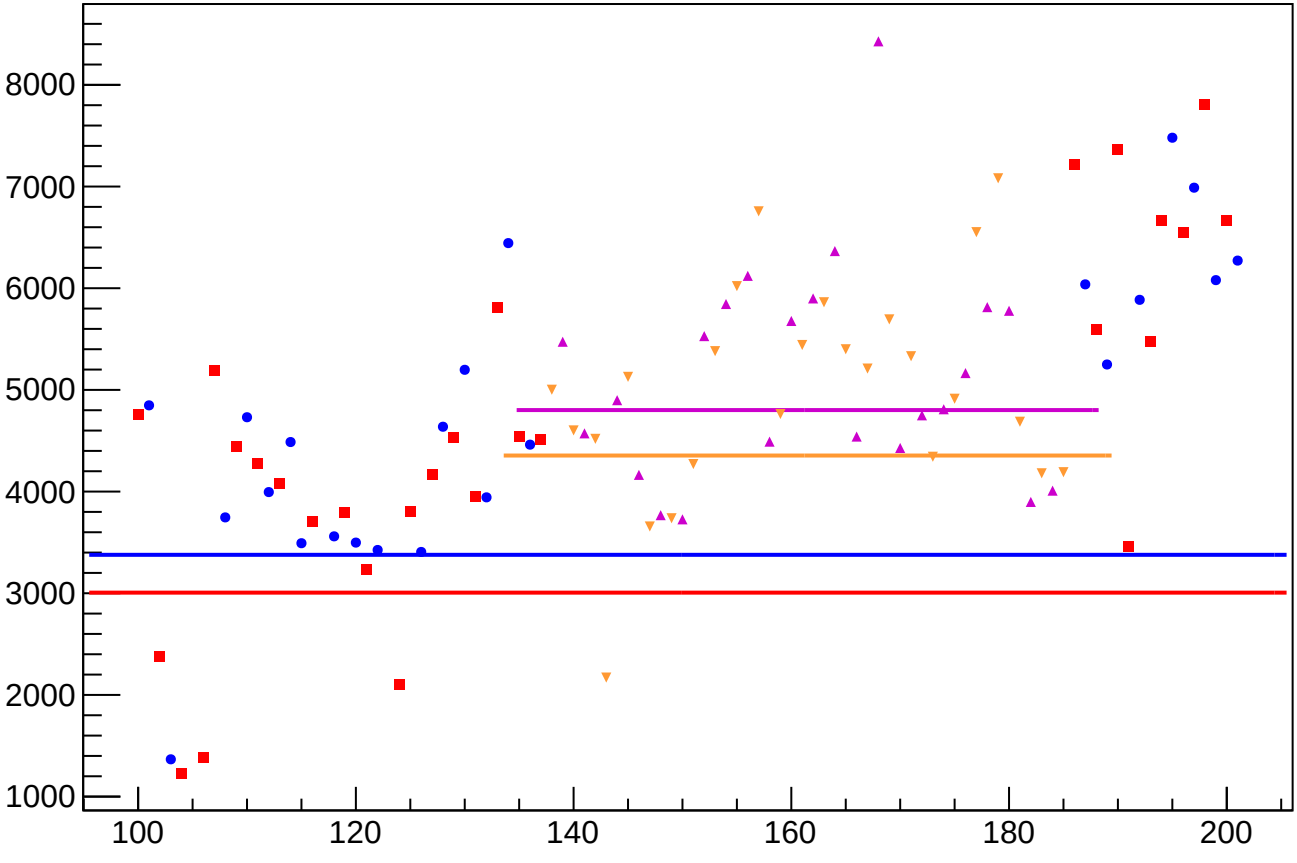
Right: -788.517+/-728.406 χ^2/NDF: 53.2/50

In: -114.188+/-791.825 χ^2/NDF:36.9/45

Out: -904.982+/-710.483 χ^2/NDF:59.4/52

All: -552.277+/-528.814 χ^2/NDF: 96.9/98

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 3006.056+/-0.689 χ^2/NDF: 7289927.9/27

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

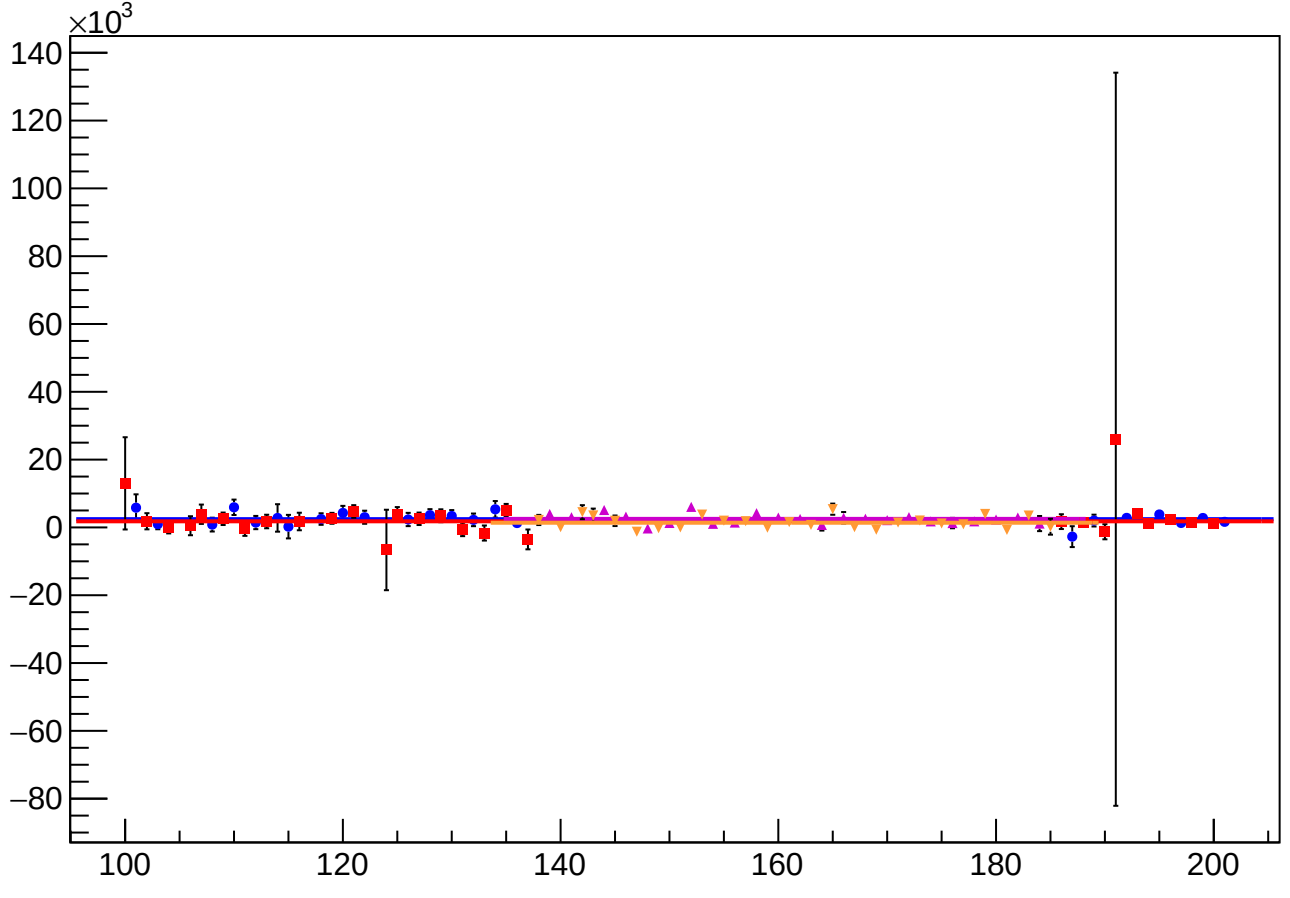
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3170.177+/-0.515 χ^2/NDF: 12921158.3/50

In: 4059.148+/-0.560 χ^2/NDF:8347811.2/45

Out: 3637.772+/-0.502 χ^2/NDF:12155334.3/52

All: 3825.711+/-0.374 χ^2/NDF: 20816915.5/9



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: 1802.228+/-365.004 χ^2/NDF: 24.9/27

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

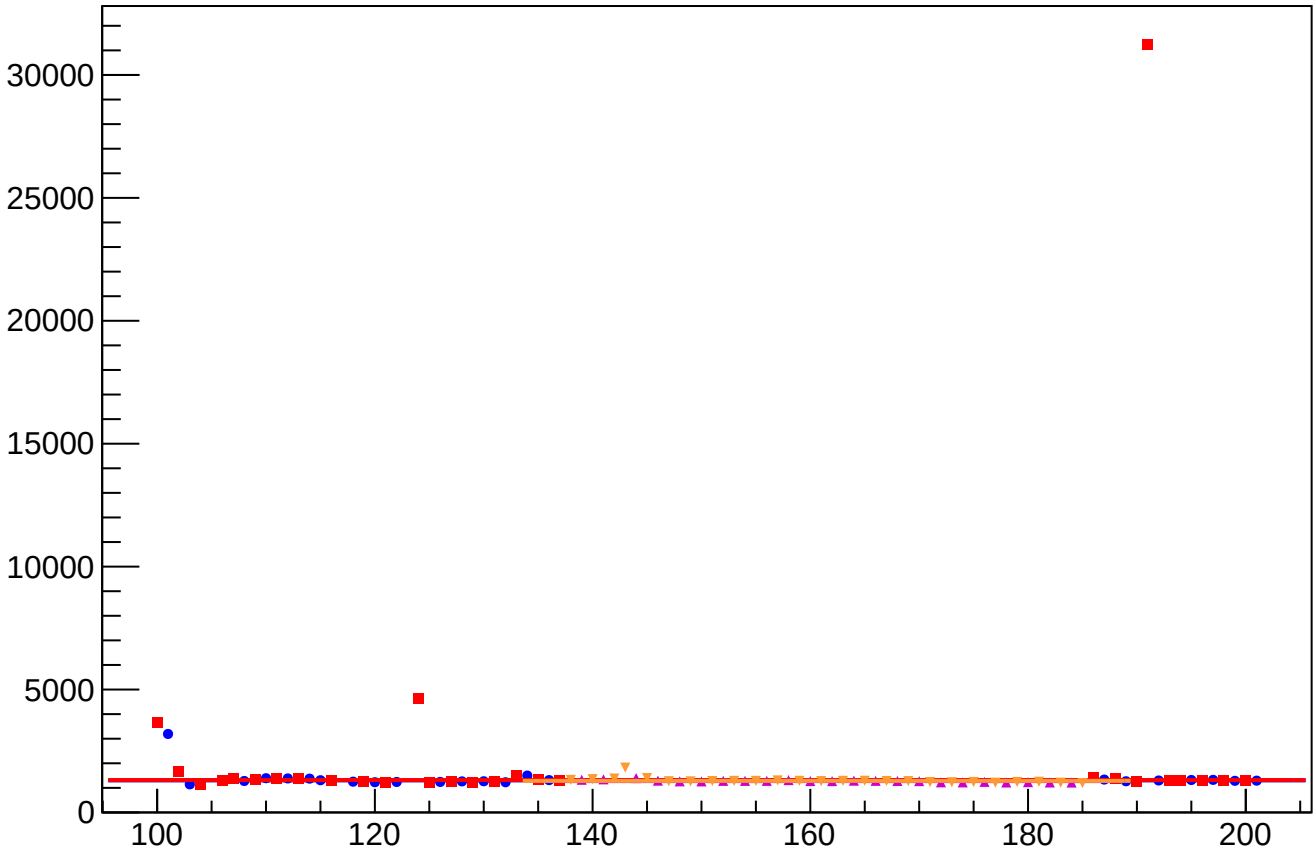
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2112.500+/-261.754 χ^2/NDF: 40.4/50

In: 2489.080+/-233.489 χ^2/NDF:36.5/45

Out: 1547.243+/-228.384 χ^2/NDF:58.6/52

All: 2007.753+/-163.267 χ^2/NDF: 103.4/98



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: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

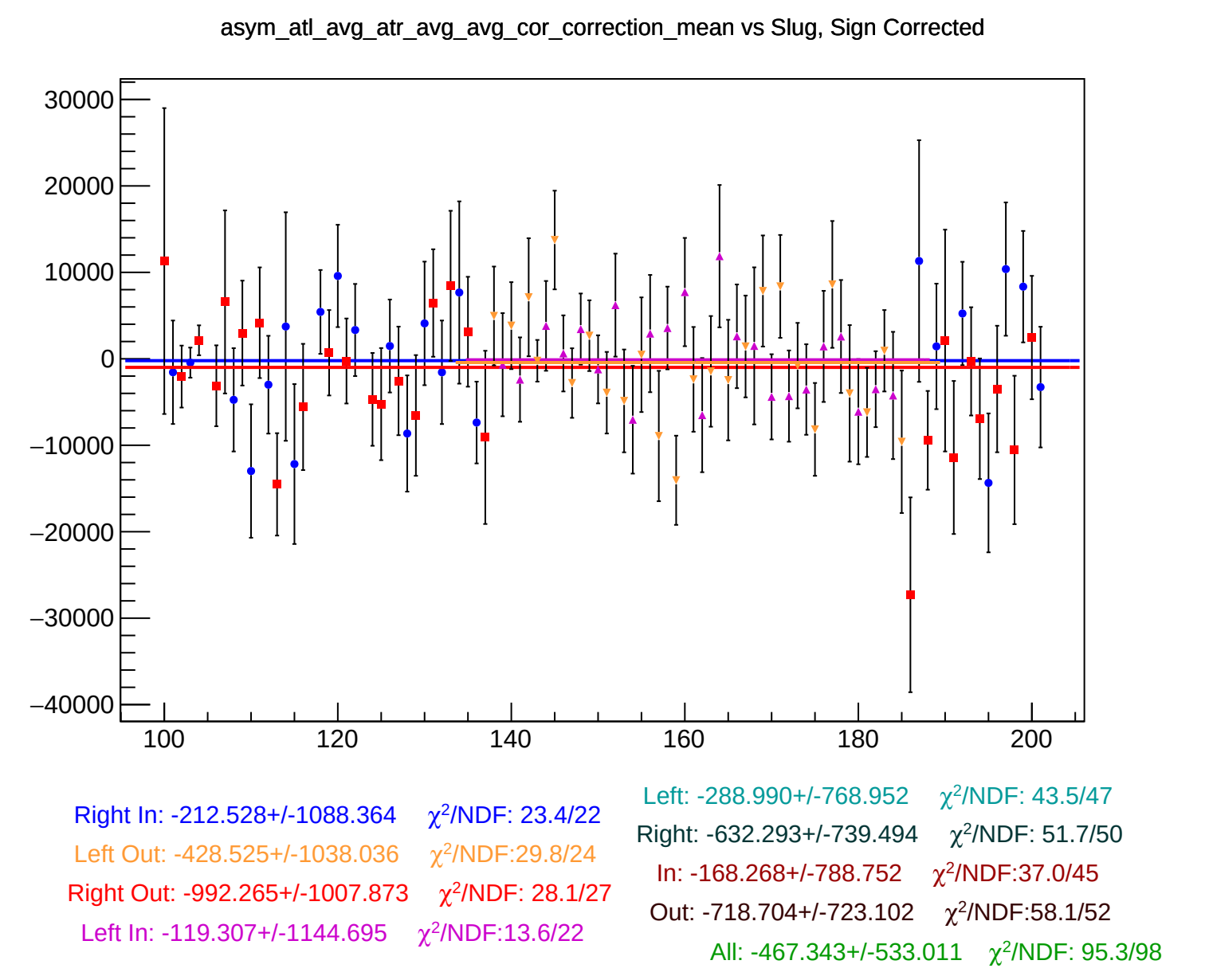
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1311.495+/-0.185 χ^2/NDF: 1008041.1/50

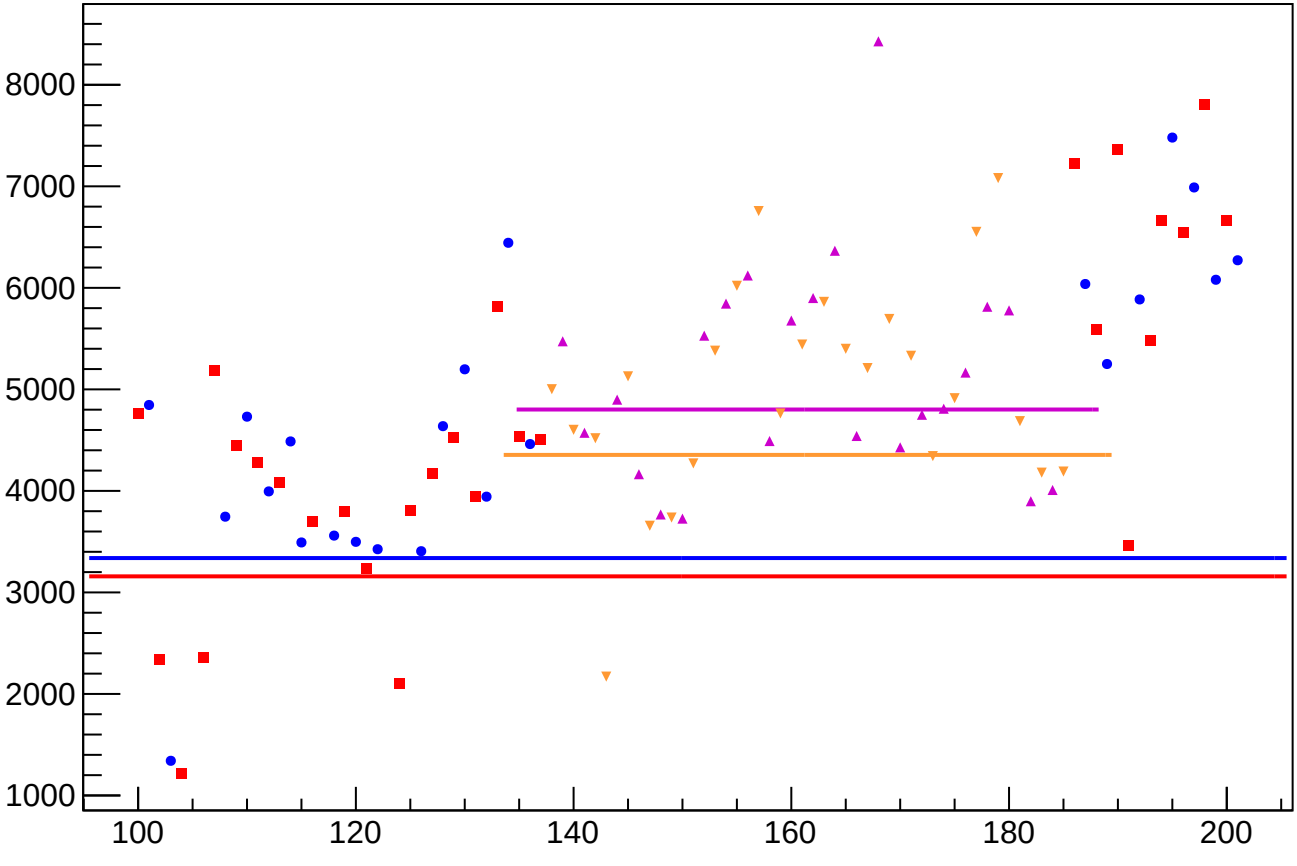
In: 1287.151+/-0.165 χ^2/NDF:567232.3/45

Out: 1298.200+/-0.161 χ^2/NDF:688749.4/52

All: 1292.800+/-0.115 χ^2/NDF: 1258271.3/98


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: -992.265+/-1007.873 χ²/NDF: 28.1/27
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -632.293+/-739.494 χ²/NDF: 51.7/50
In: -168.268+/-788.752 χ²/NDF:37.0/45
Out: -718.704+/-723.102 χ²/NDF:58.1/52
All: -467.343+/-533.011 χ²/NDF: 95.3/98

asym_atl_avg_atr_avg_avg_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: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

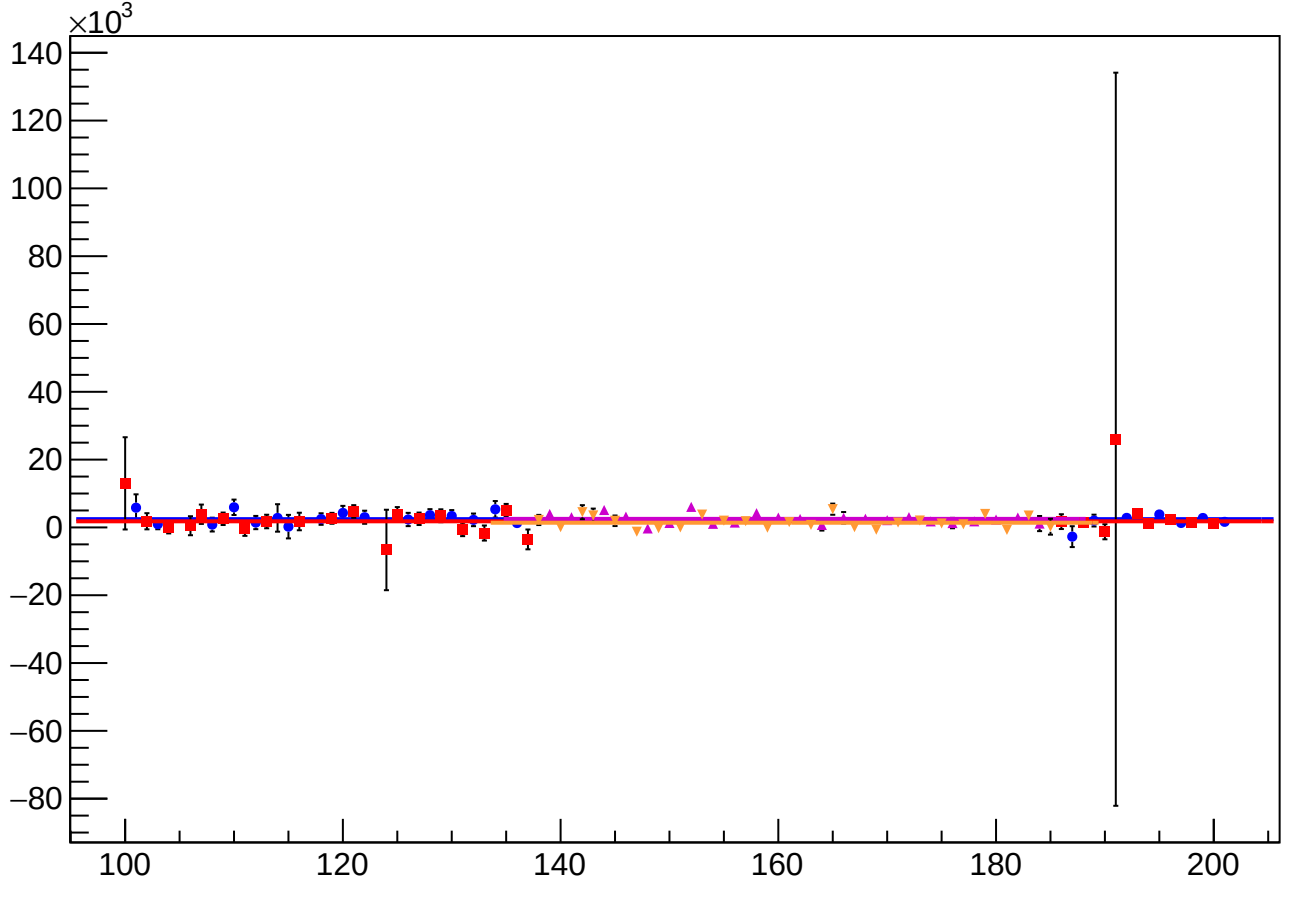
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3241.421+/-0.523 χ^2/NDF: 12412800.4/50

In: 4033.120+/-0.558 χ^2/NDF:8615871.3/45

Out: 3738.732+/-0.511 χ^2/NDF:11154262.6/52

All: 3873.167+/-0.377 χ^2/NDF: 19921511.7/9



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: 1802.228+/-365.004 χ^2/NDF: 24.9/27

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

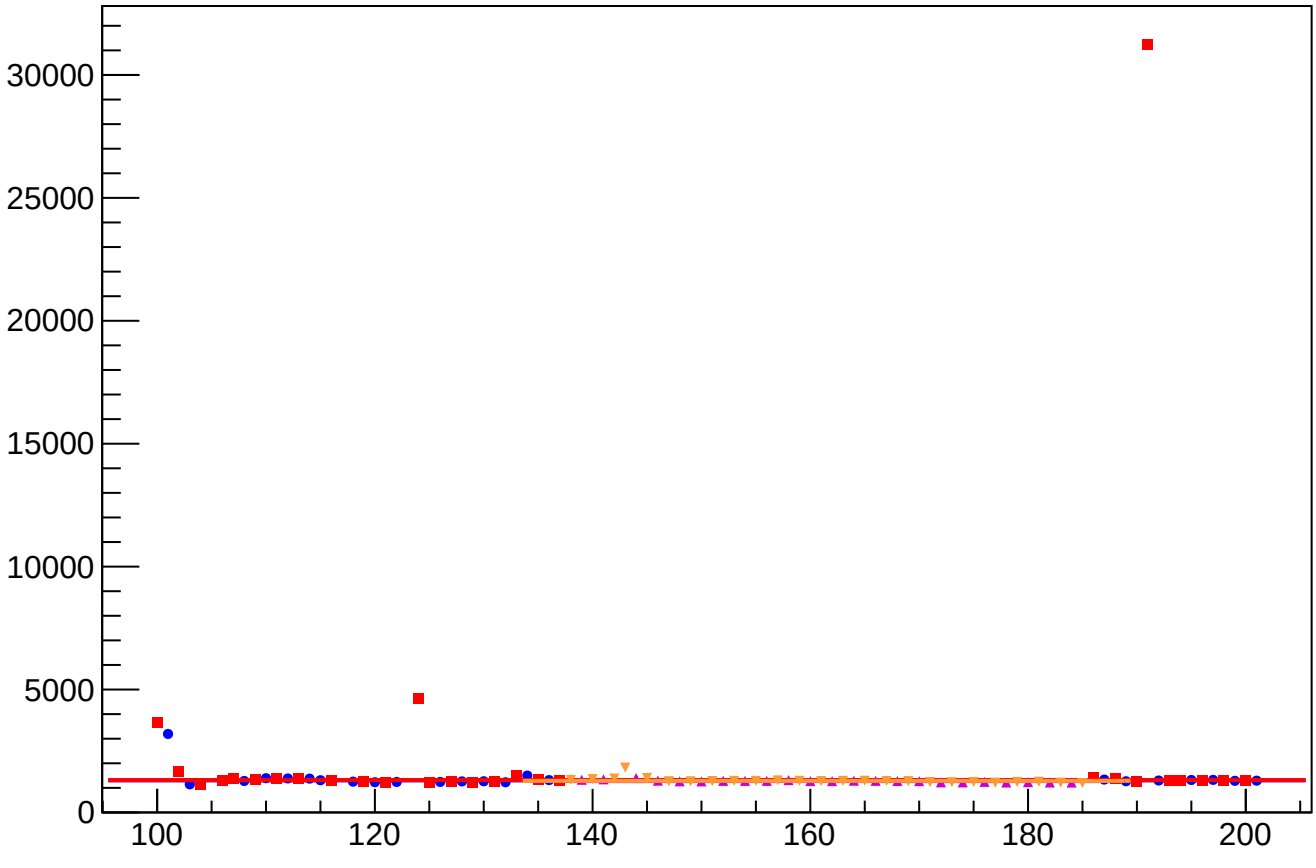
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2112.500+/-261.754 χ^2/NDF: 40.4/50

In: 2489.080+/-233.489 χ^2/NDF:36.5/45

Out: 1547.243+/-228.384 χ^2/NDF:58.6/52

All: 2007.753+/-163.267 χ^2/NDF: 103.4/98



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: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

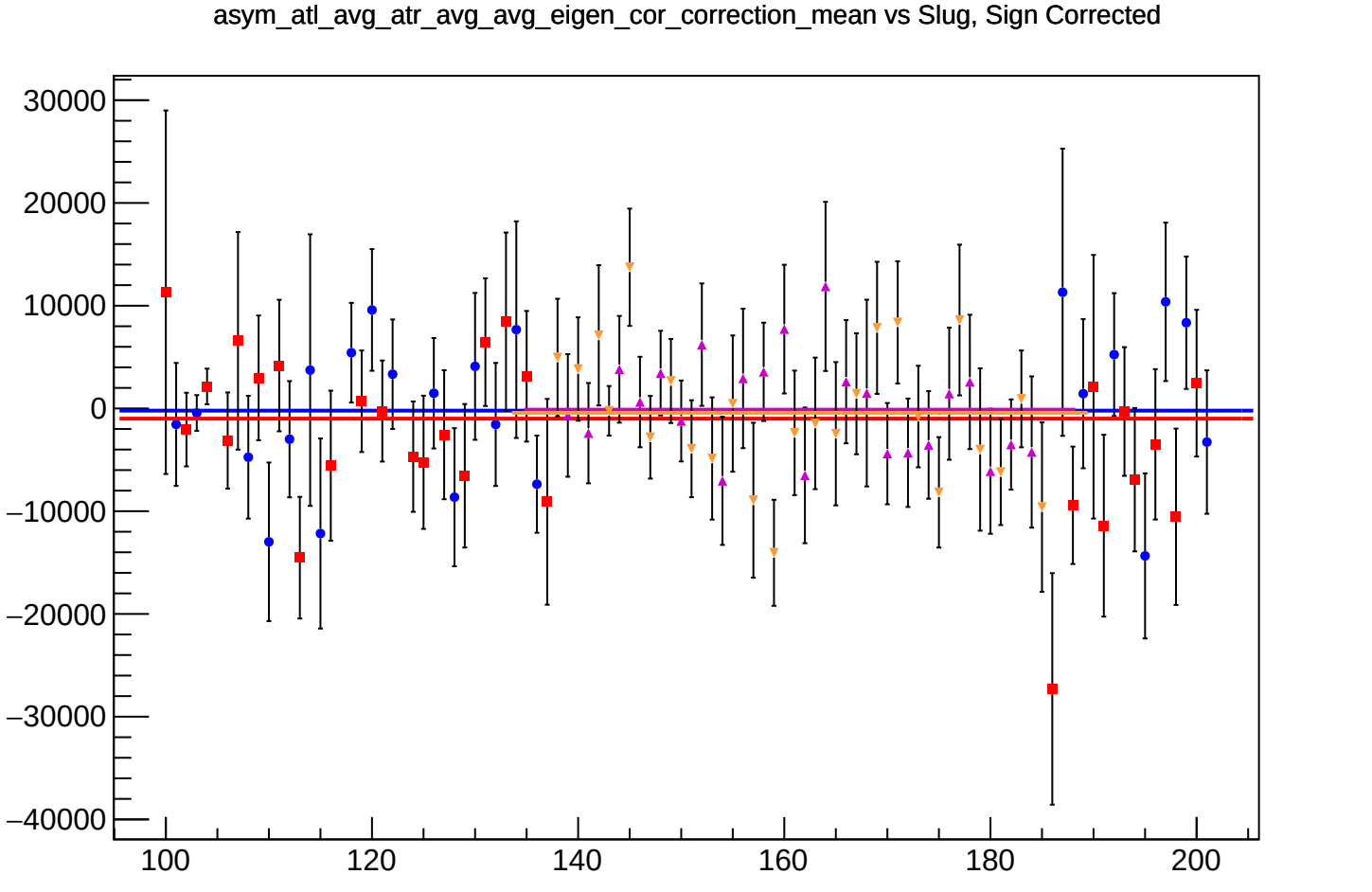
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1311.495+/-0.185 χ^2/NDF: 1008041.1/50

In: 1287.151+/-0.165 χ^2/NDF:567232.3/45

Out: 1298.200+/-0.161 χ^2/NDF:688749.4/52

All: 1292.800+/-0.115 χ^2/NDF: 1258271.3/98



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: -992.265+/-1007.873 χ^2/NDF: 28.1/27

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

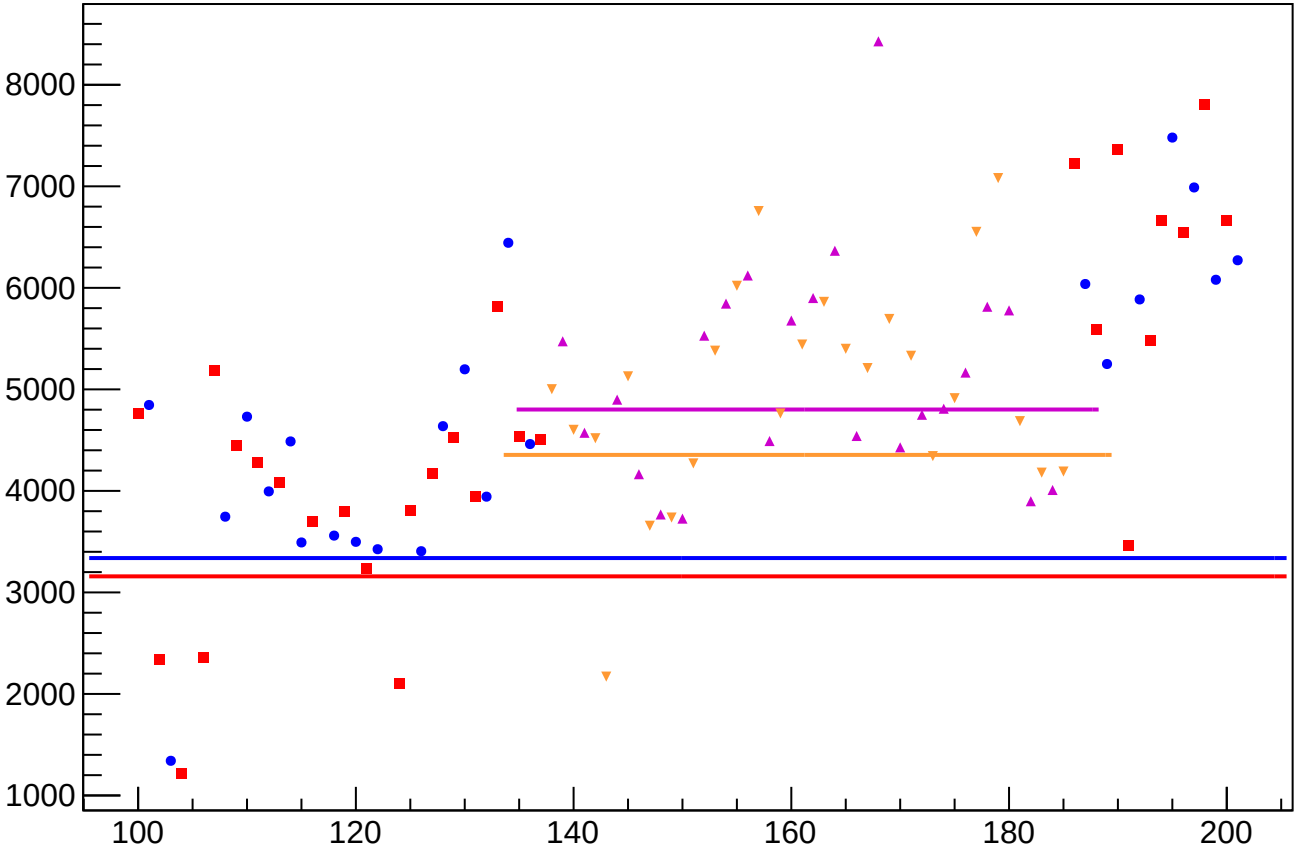
Right: -632.293+/-739.494 χ^2/NDF: 51.7/50

In: -168.268+/-788.752 χ^2/NDF:37.0/45

Out: -718.704+/-723.102 χ^2/NDF:58.1/52

All: -467.343+/-533.011 χ^2/NDF: 95.3/98

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: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

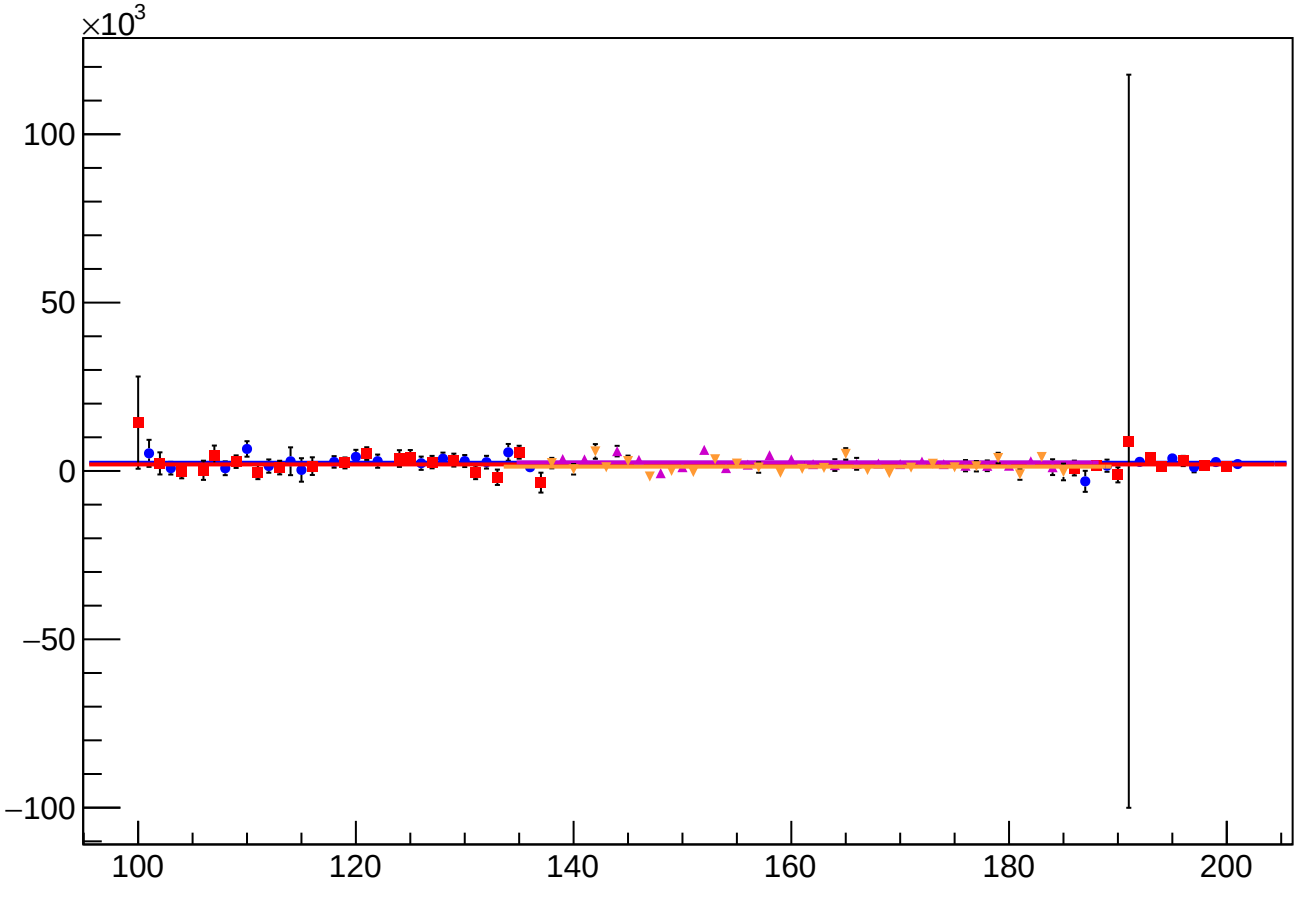
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3241.421+/-0.523 χ^2/NDF: 12412800.4/50

In: 4033.120+/-0.558 χ^2/NDF:8615871.3/45

Out: 3738.732+/-0.511 χ^2/NDF:11154262.6/52

All: 3873.167+/-0.377 χ^2/NDF: 19921511.7/9



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: 1941.913+/-372.334 χ^2/NDF: 26.3/27

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

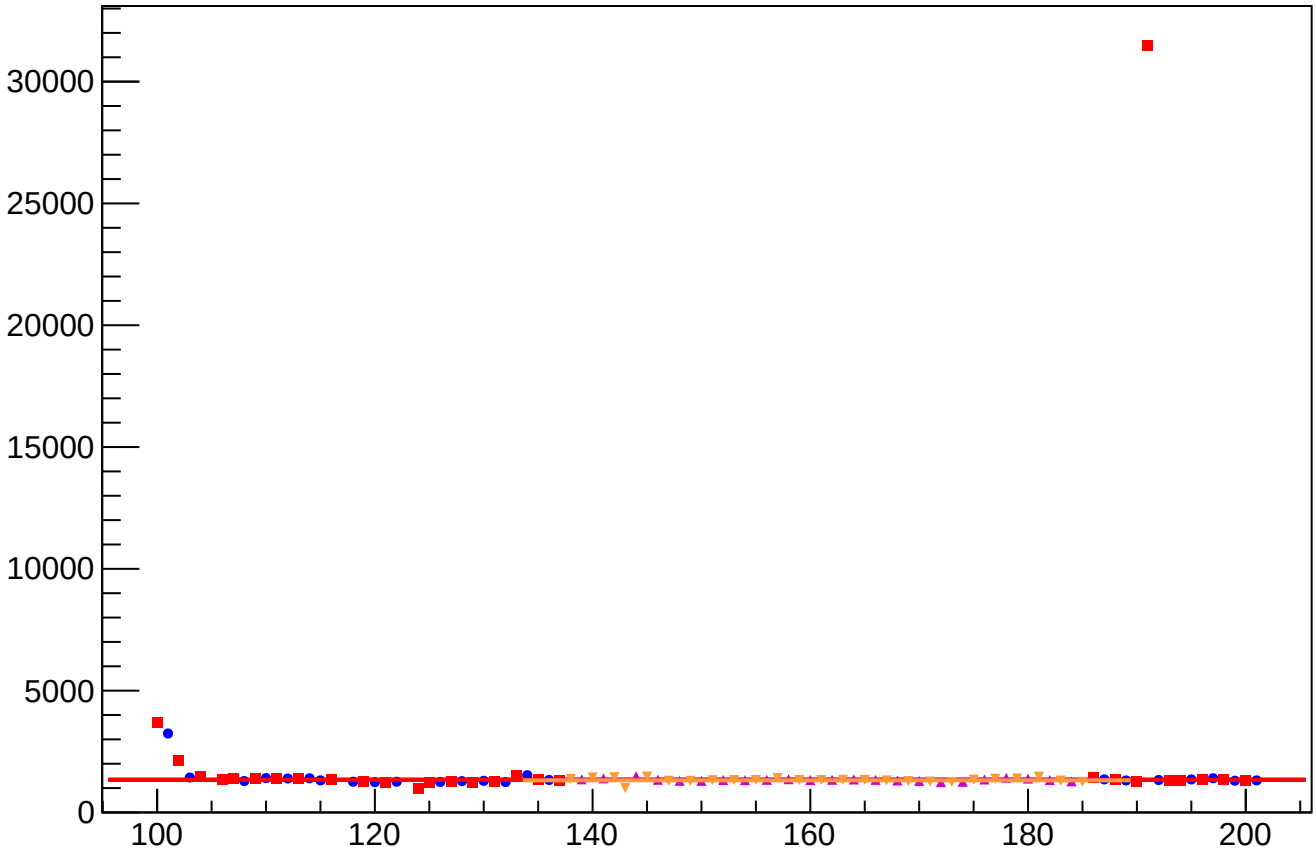
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2180.252+/-268.341 χ^2/NDF: 41.6/50

In: 2494.663+/-243.331 χ^2/NDF:39.5/45

Out: 1543.793+/-233.856 χ^2/NDF:61.5/52

All: 2000.355+/-168.612 χ^2/NDF: 109.0/98



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: 1341.998+/-0.263 χ^2/NDF: 435005.6/27

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

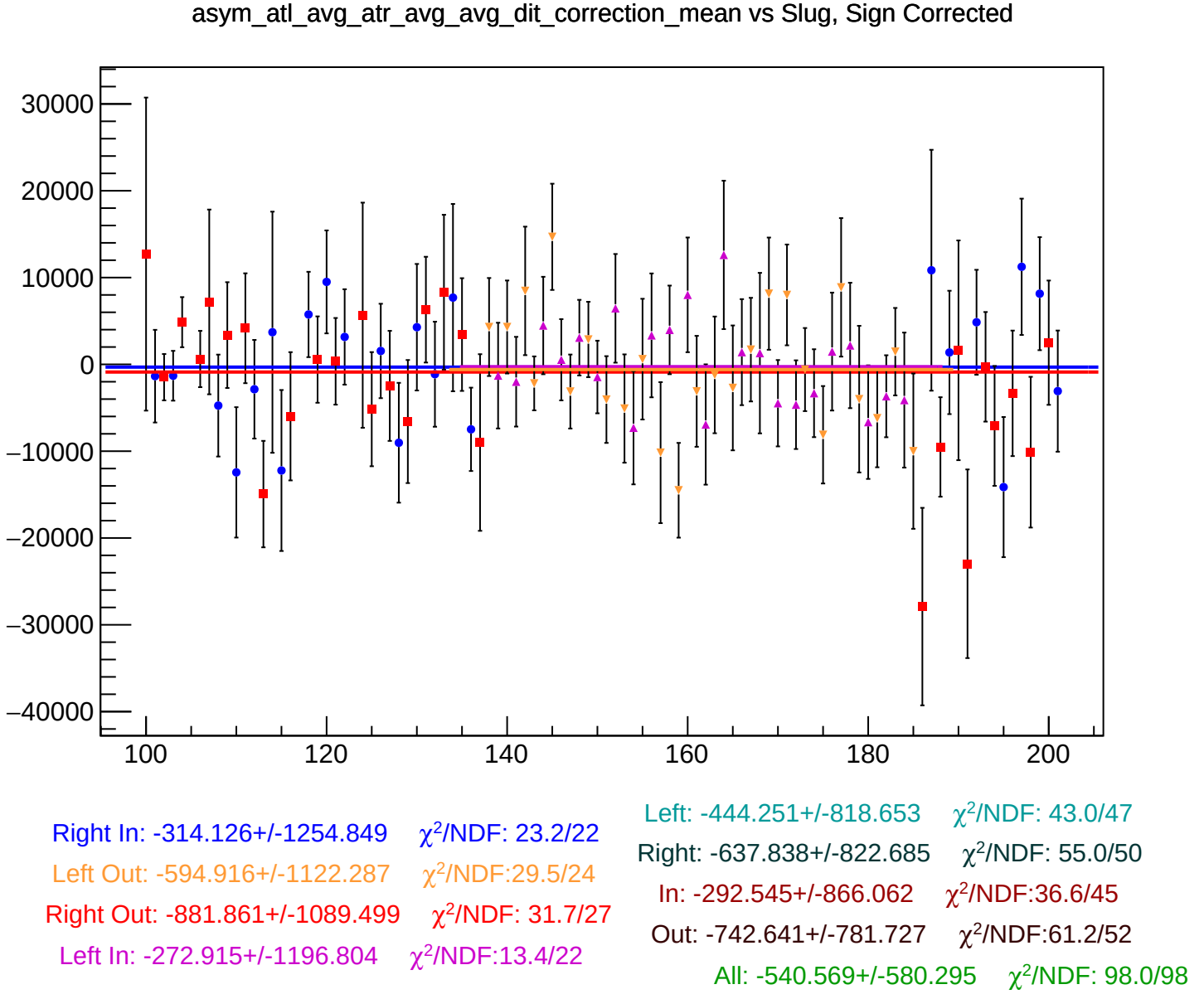
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1343.416+/-0.190 χ^2/NDF: 935954.5/50

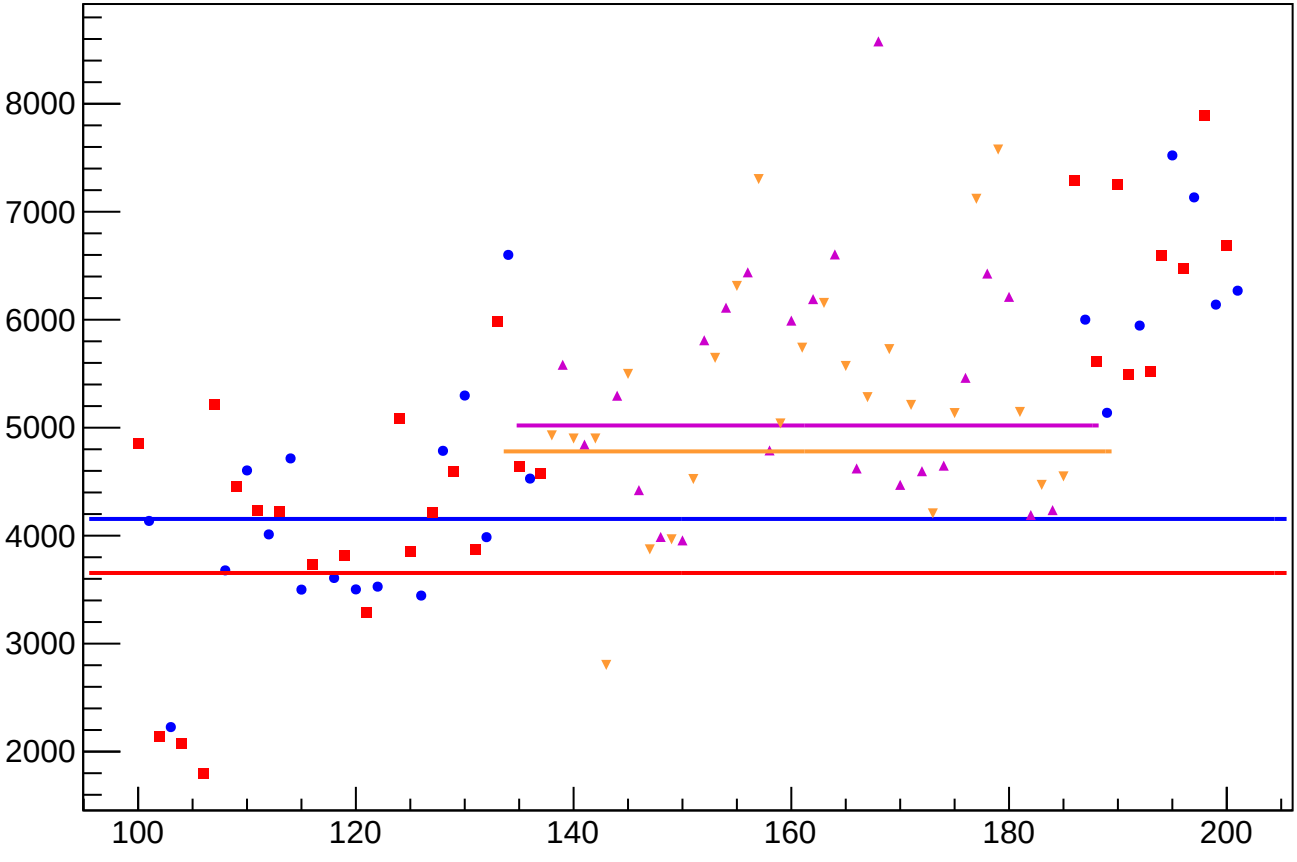
In: 1341.111+/-0.172 χ^2/NDF:555462.2/45

Out: 1327.576+/-0.165 χ^2/NDF:688513.2/52

All: 1334.074+/-0.119 χ^2/NDF: 1247192.7/98


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: -881.861+/-1089.499 χ²/NDF: 31.7/27
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -637.838+/-822.685 χ²/NDF: 55.0/50
In: -292.545+/-866.062 χ²/NDF:36.6/45
Out: -742.641+/-781.727 χ²/NDF:61.2/52
All: -540.569+/-580.295 χ²/NDF: 98.0/98

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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: 3654.354+/-0.770 χ^2/NDF: 4645885.0/27

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

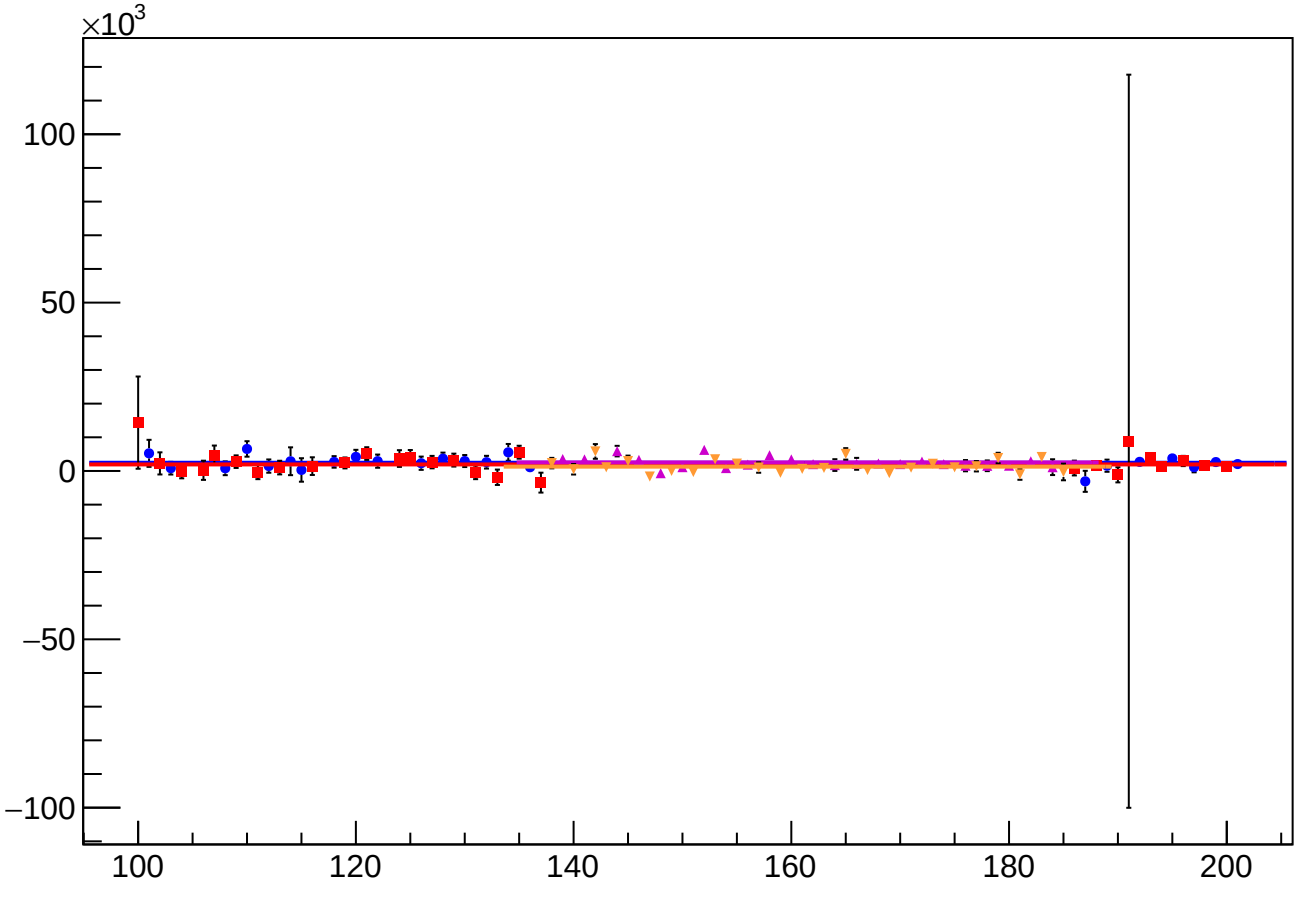
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3869.457+/-0.582 χ^2/NDF: 7310700.7/50

In: 4608.168+/-0.612 χ^2/NDF:4207055.1/45

Out: 4200.686+/-0.553 χ^2/NDF:7688674.3/52

All: 4383.626+/-0.410 χ^2/NDF: 12139700.9/9



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: 1941.913+/-372.334 χ^2/NDF: 26.3/27

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

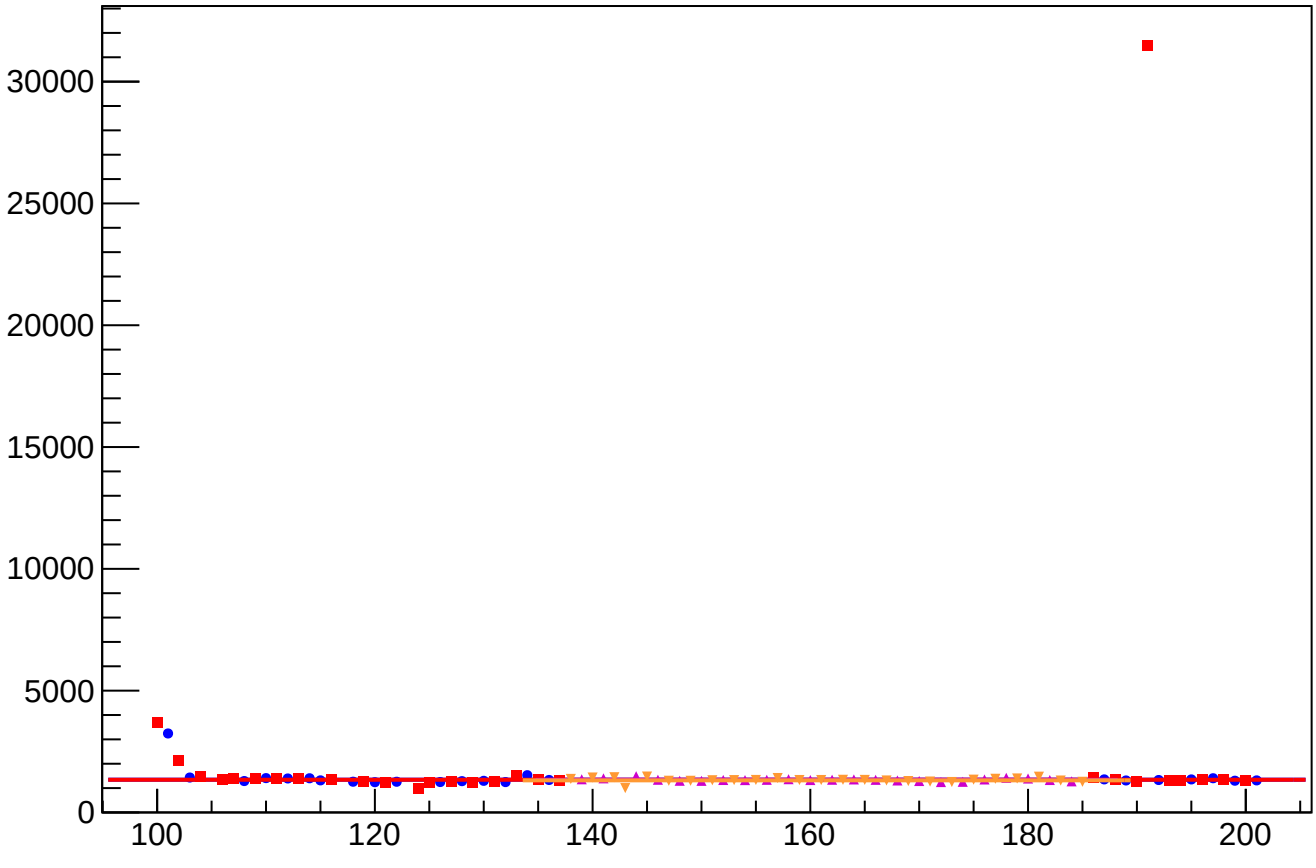
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2180.251+/-268.341 χ^2/NDF: 41.6/50

In: 2494.662+/-243.332 χ^2/NDF:39.5/45

Out: 1543.791+/-233.856 χ^2/NDF:61.5/52

All: 2000.353+/-168.612 χ^2/NDF: 109.0/98



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: 1341.998+/-0.263 χ^2/NDF: 435004.5/27

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

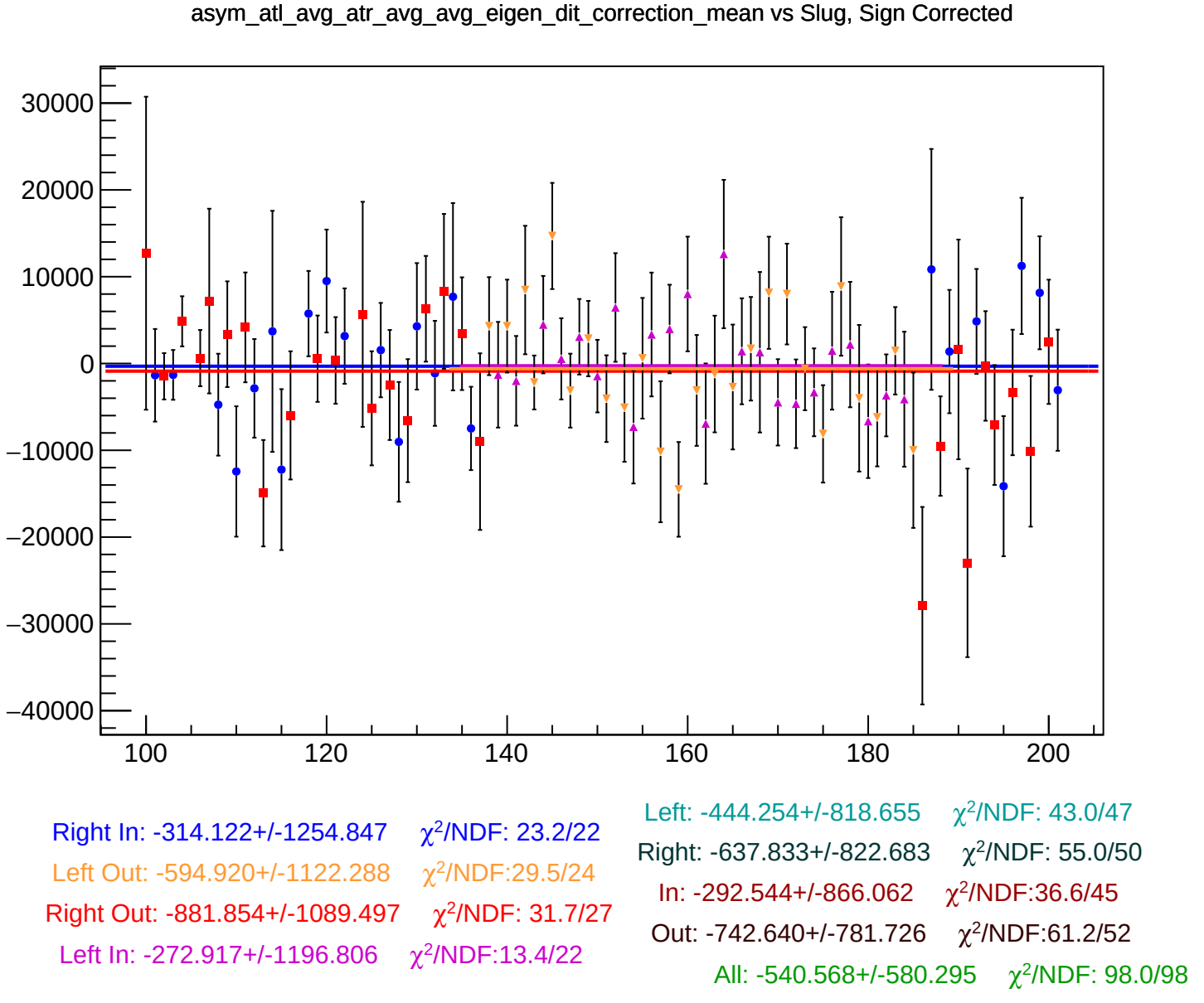
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1343.416+/-0.190 χ^2/NDF: 935953.6/50

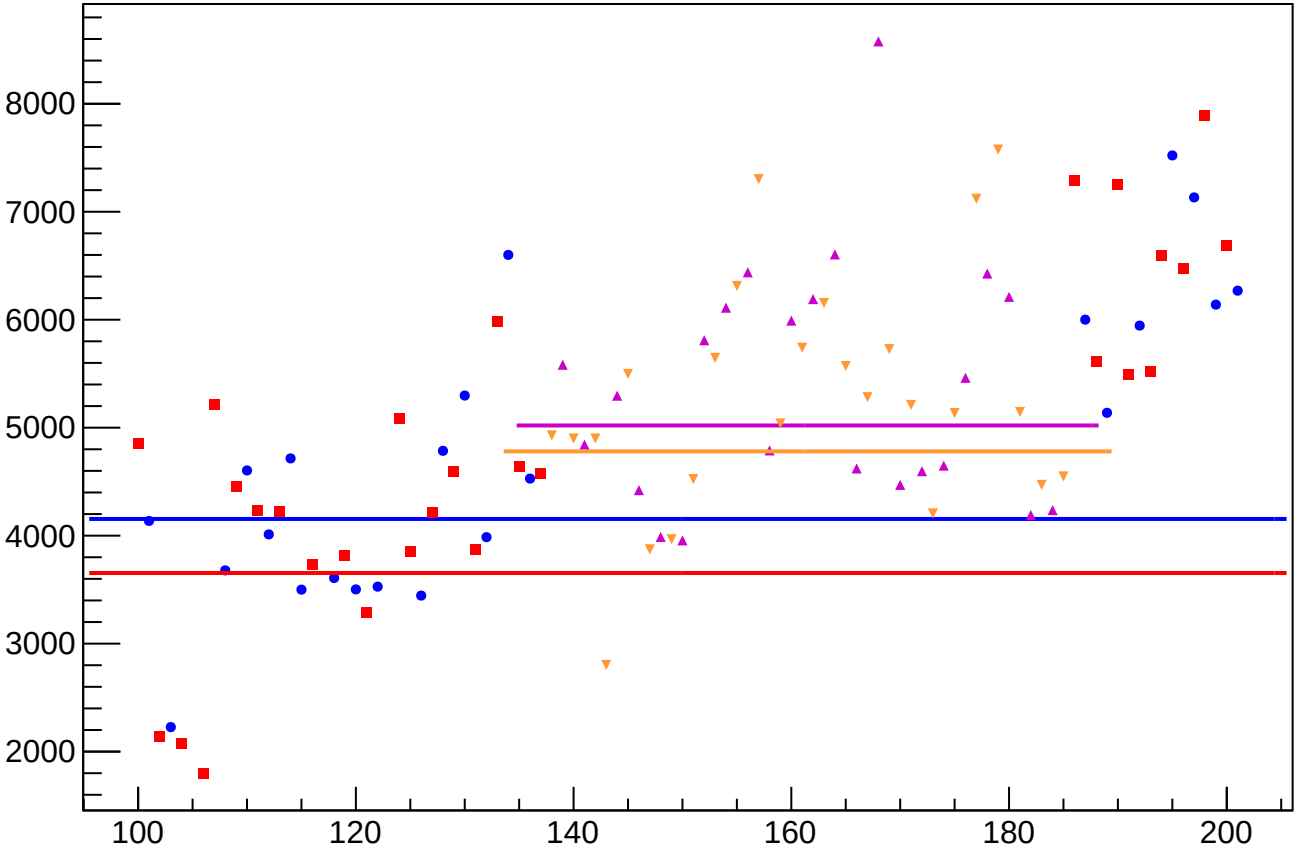
In: 1341.112+/-0.172 χ^2/NDF:555464.8/45

Out: 1327.577+/-0.165 χ^2/NDF:688514.1/52

All: 1334.075+/-0.119 χ^2/NDF: 1247196.0/98


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -314.122+/-1254.847 χ²/NDF: 23.2/22
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -881.854+/-1089.497 χ²/NDF: 31.7/27
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -637.833+/-822.683 χ²/NDF: 55.0/50
In: -292.544+/-866.062 χ²/NDF:36.6/45
Out: -742.640+/-781.726 χ²/NDF:61.2/52
All: -540.568+/-580.295 χ²/NDF: 98.0/98

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: 3654.345+/-0.770 χ^2/NDF: 4645909.7/27

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

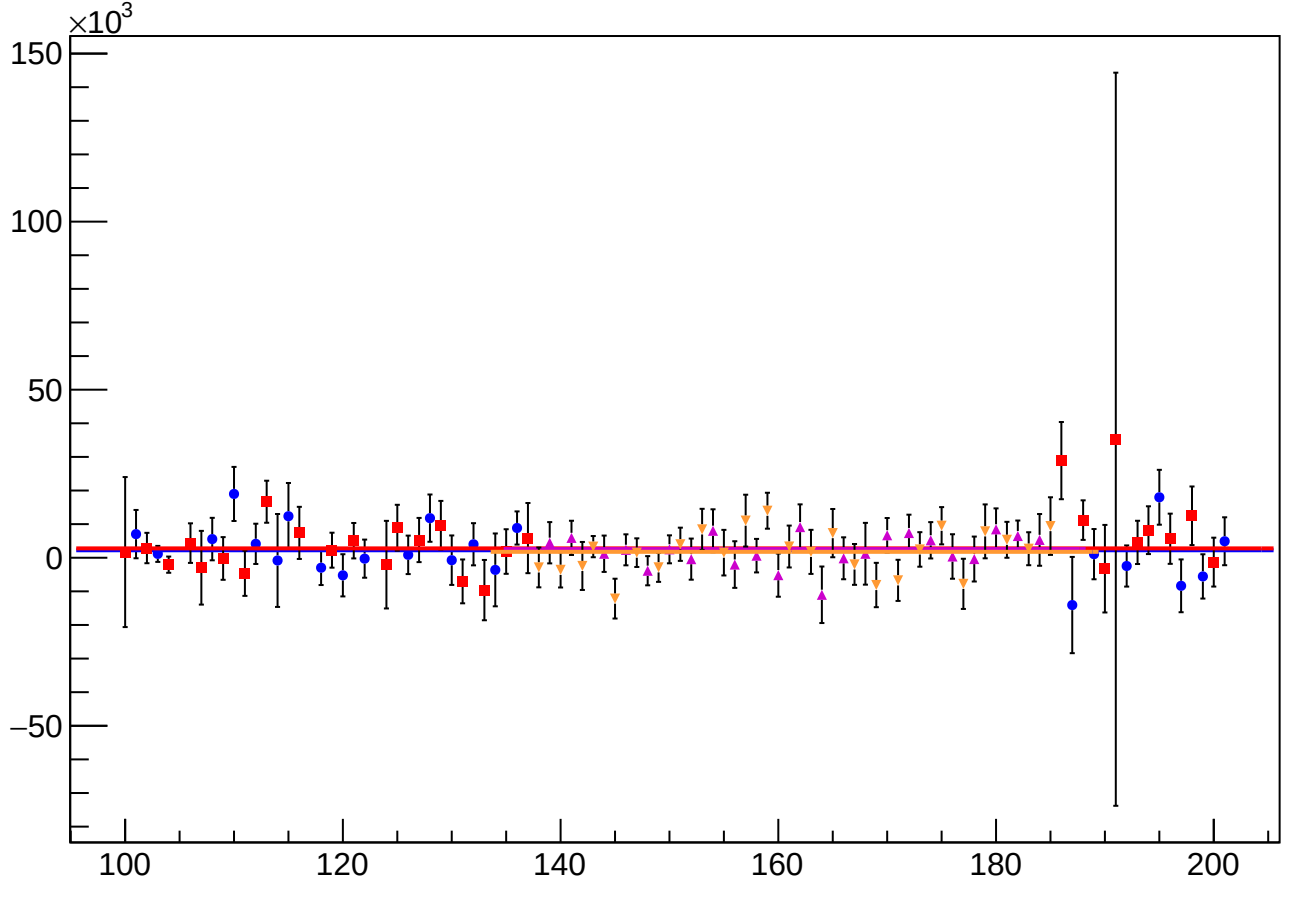
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3869.448+/-0.582 χ^2/NDF: 7310746.7/50

In: 4608.167+/-0.612 χ^2/NDF:4207097.6/45

Out: 4200.683+/-0.553 χ^2/NDF:7688732.1/52

All: 4383.624+/-0.410 χ^2/NDF: 12139803.1/9



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: 2783.090+/-1198.827 χ^2/NDF: 27.5/27

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

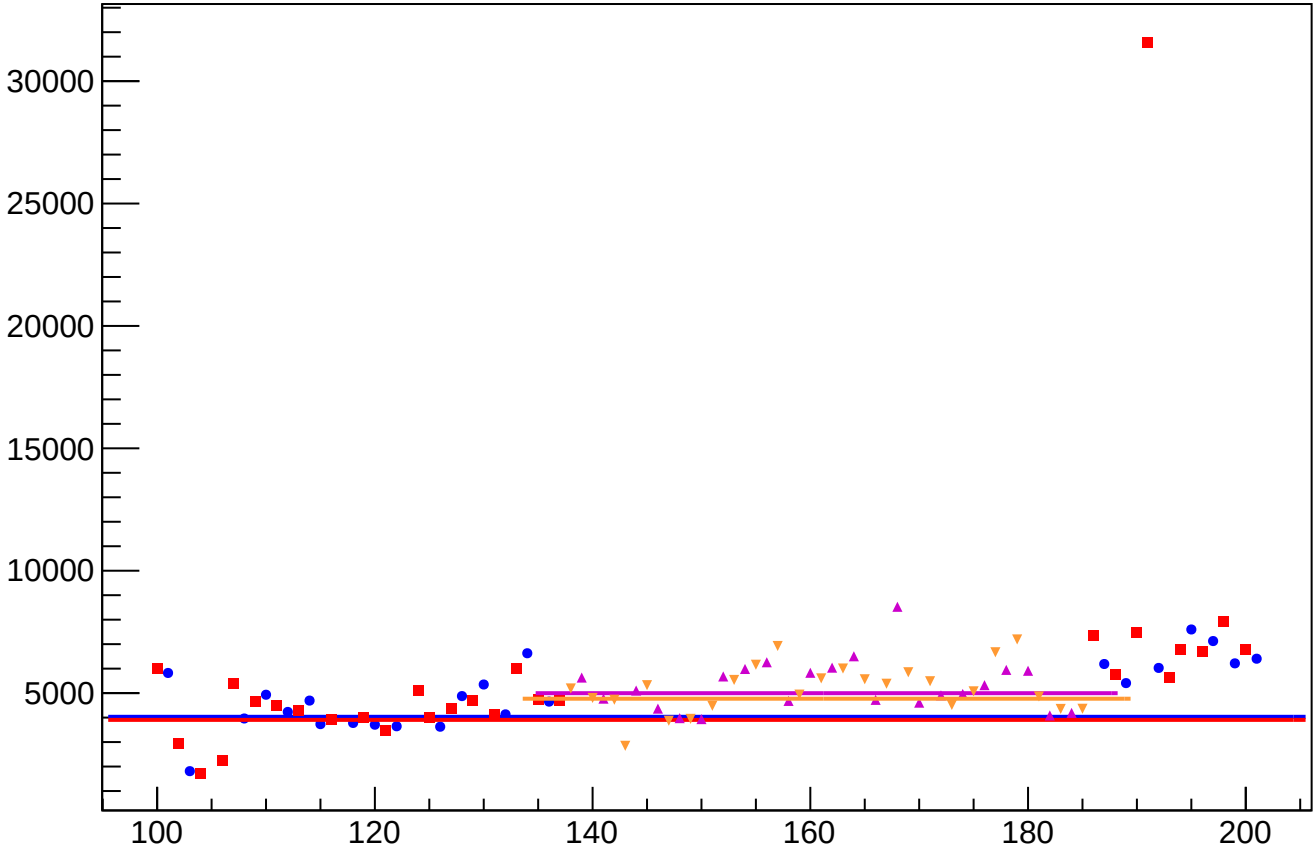
Right: 2516.634+/-864.784 χ^2/NDF: 49.9/50

In: 2412.462+/-860.863 χ^2/NDF:35.6/45

Out: 2235.992+/-816.935 χ^2/NDF:55.5/52

All: 2319.610+/-592.582 χ^2/NDF: 91.2/98

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 4032.056+/-0.883 χ^2/NDF: 3626516.8/22

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3906.401+/-0.838 χ^2/NDF: 4478082.9/27

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

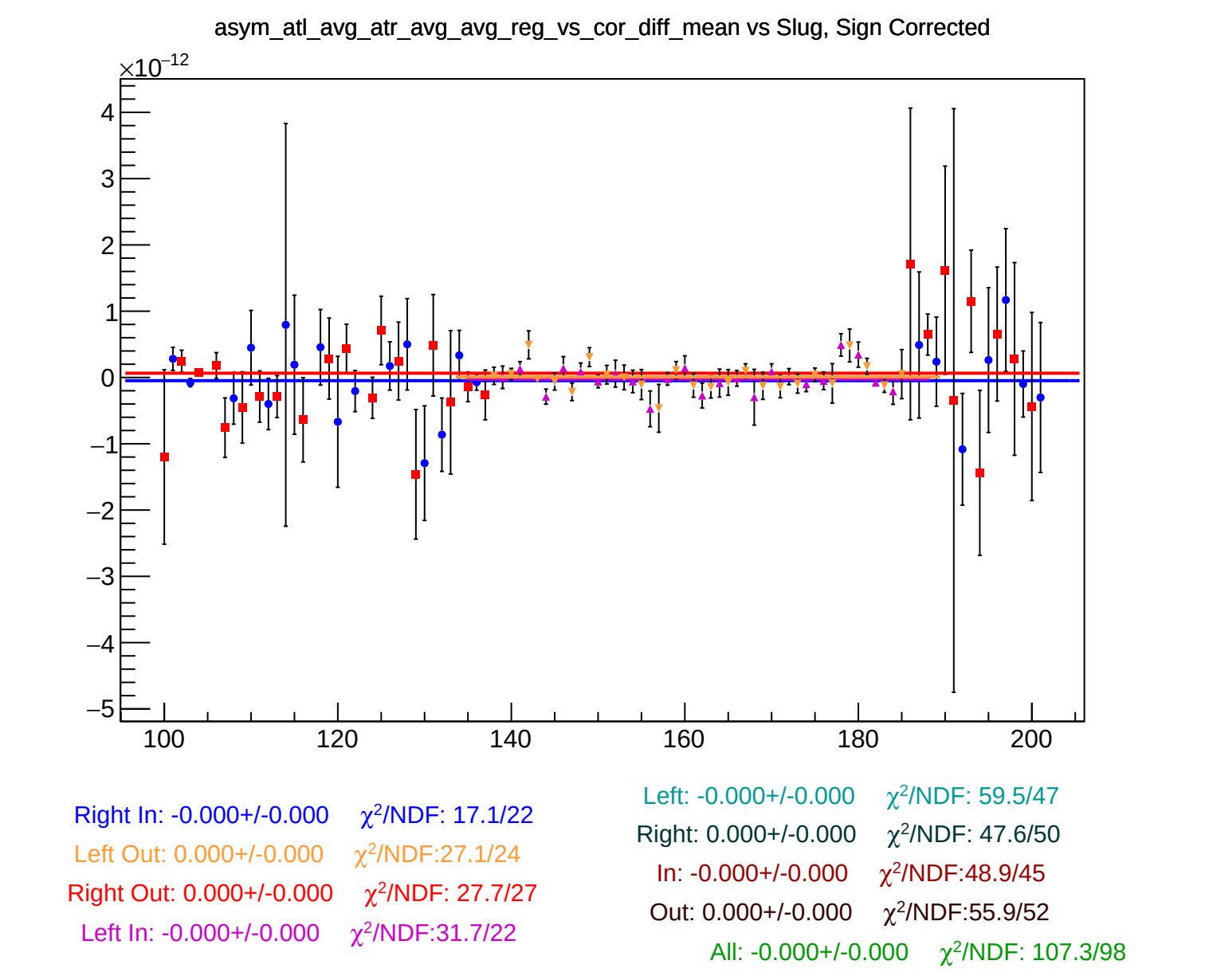
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

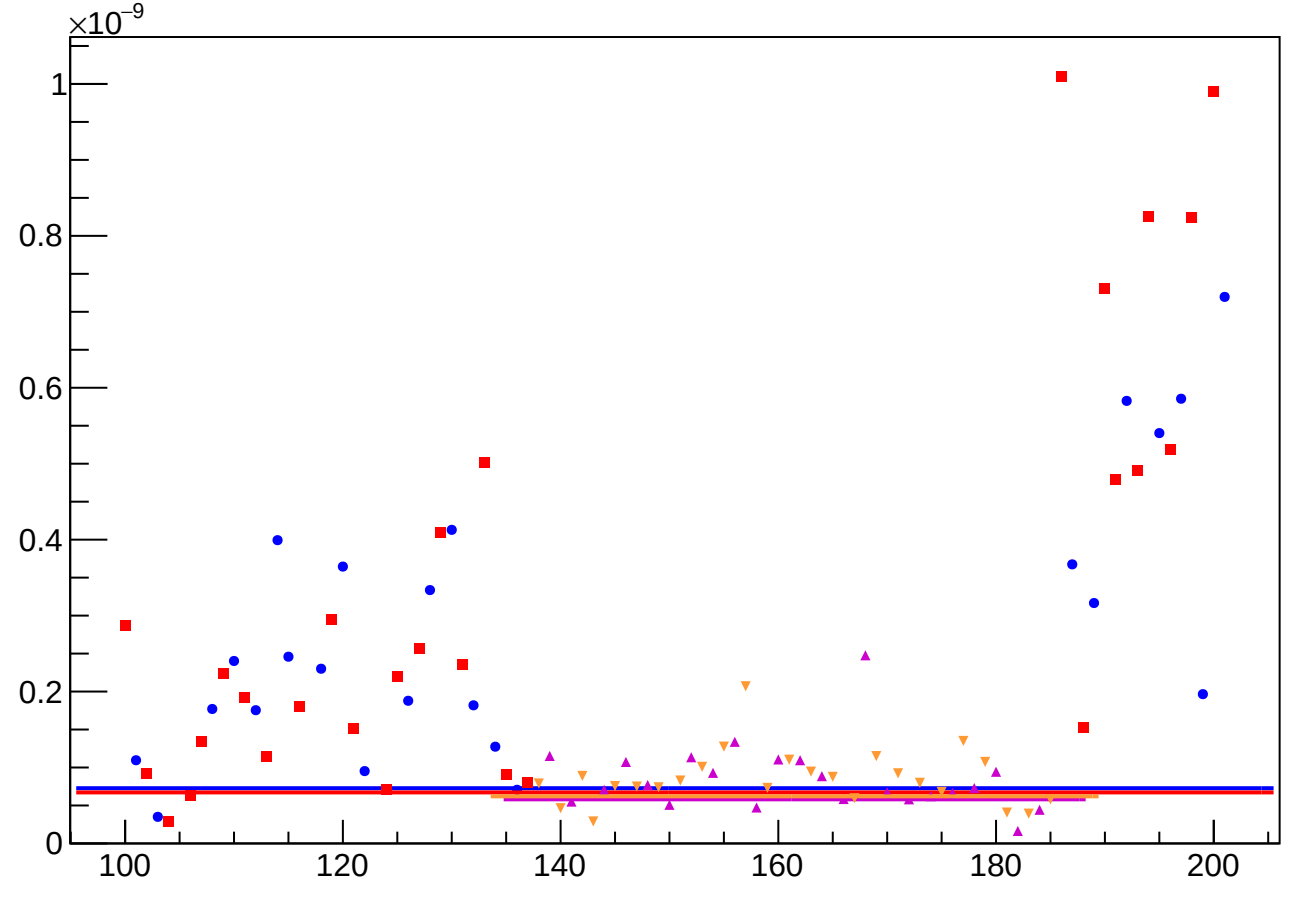
Right: 3965.975+/-0.608 χ^2/NDF: 8115250.6/50

In: 4538.209+/-0.609 χ^2/NDF:5348713.4/45

Out: 4364.829+/-0.575 χ^2/NDF:6829230.2/52

All: 4446.535+/-0.418 χ^2/NDF: 12220838.9/9


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.1/22
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.7/27
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 47.6/50
In: -0.000+/-0.000 χ²/NDF:48.9/45
Out: 0.000+/-0.000 χ²/NDF:55.9/52
All: -0.000+/-0.000 χ²/NDF: 107.3/98



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: 6904563.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

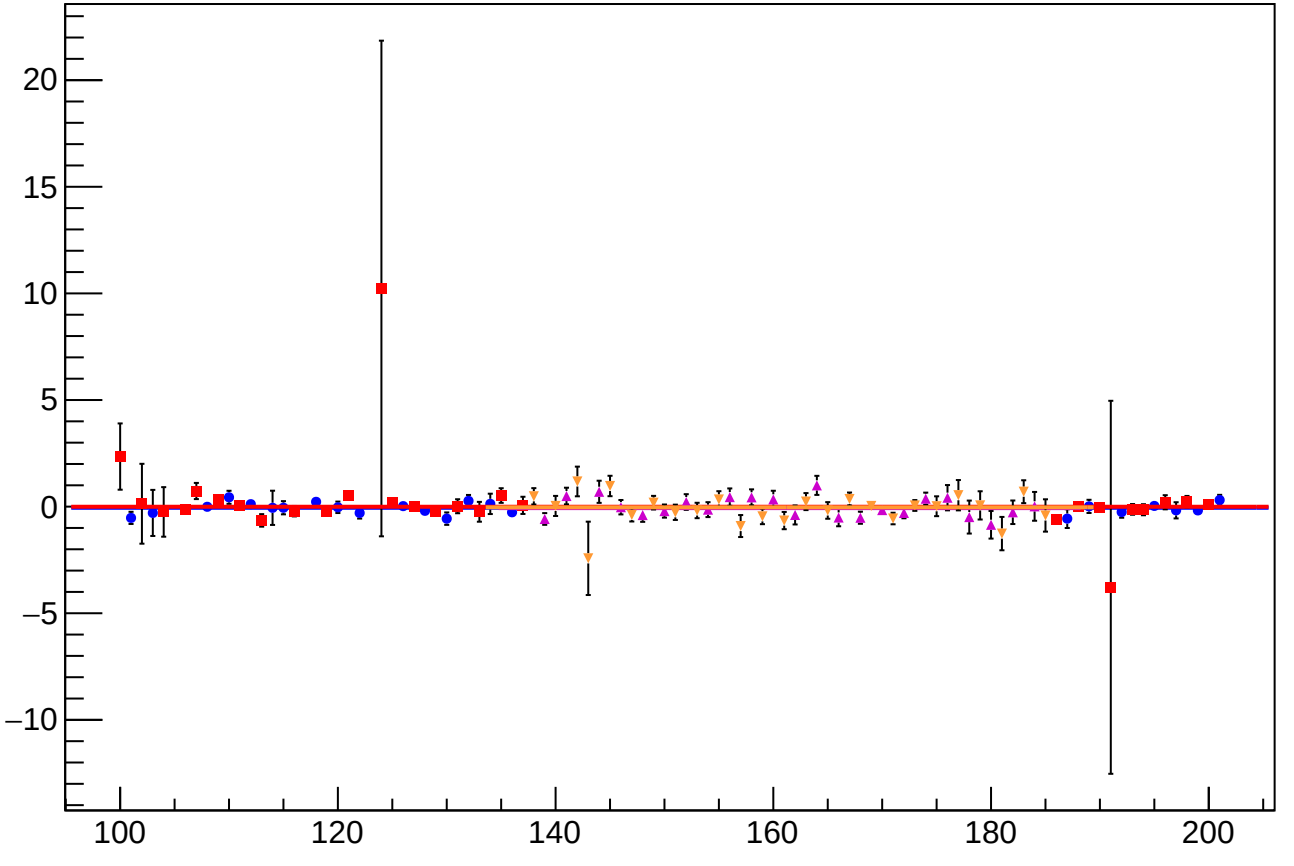
Right: 0.000+/-0.000 χ^2/NDF: 12298455.4/50

In: 0.000+/-0.000 χ^2/NDF:8490410.7/45

Out: 0.000+/-0.000 χ^2/NDF:9366683.7/52

All: 0.000+/-0.000 χ^2/NDF: 17863032.2/98

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: -0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

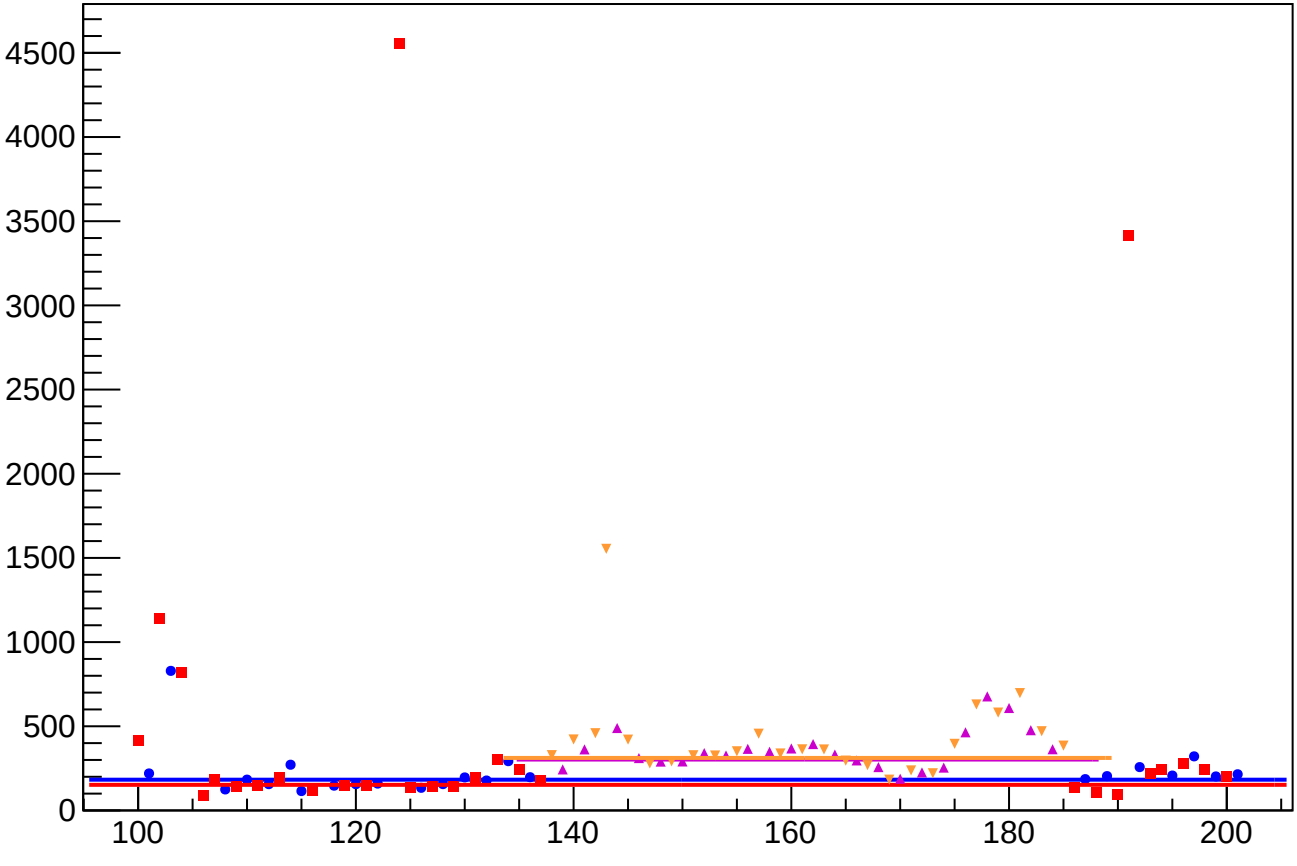
Right: -0.026+/-0.036 χ^2/NDF: 57.3/50

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.034+/-0.030 χ^2/NDF: 120.0/98

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: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

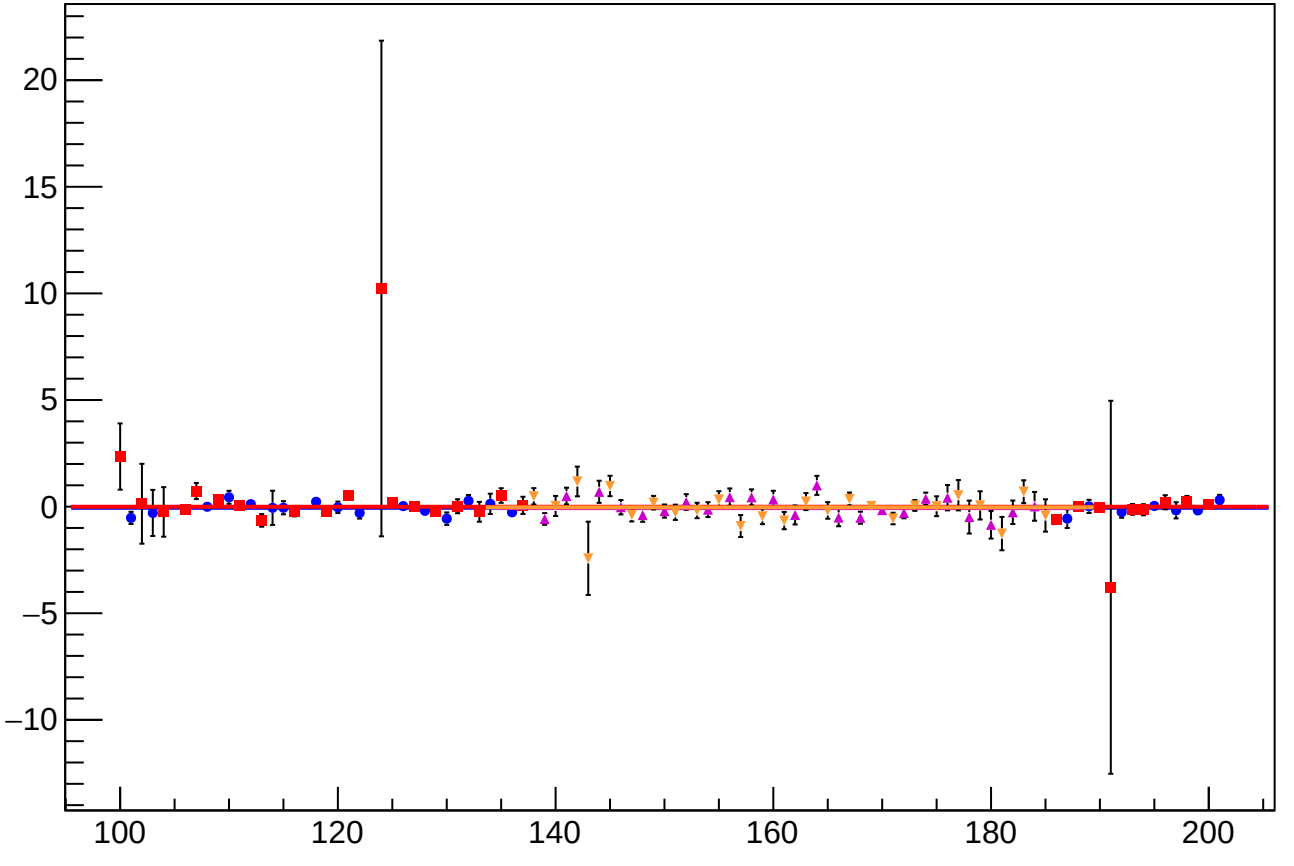
Right: 164.891+/-0.026 χ^2/NDF: 6457604.6/50

In: 225.661+/-0.032 χ^2/NDF:7991395.8/45

Out: 196.247+/-0.028 χ^2/NDF:14841684.4/52

All: 209.364+/-0.021 χ^2/NDF: 23309188.5/98

asym_atl_avg_atr_avg_avg_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: -0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

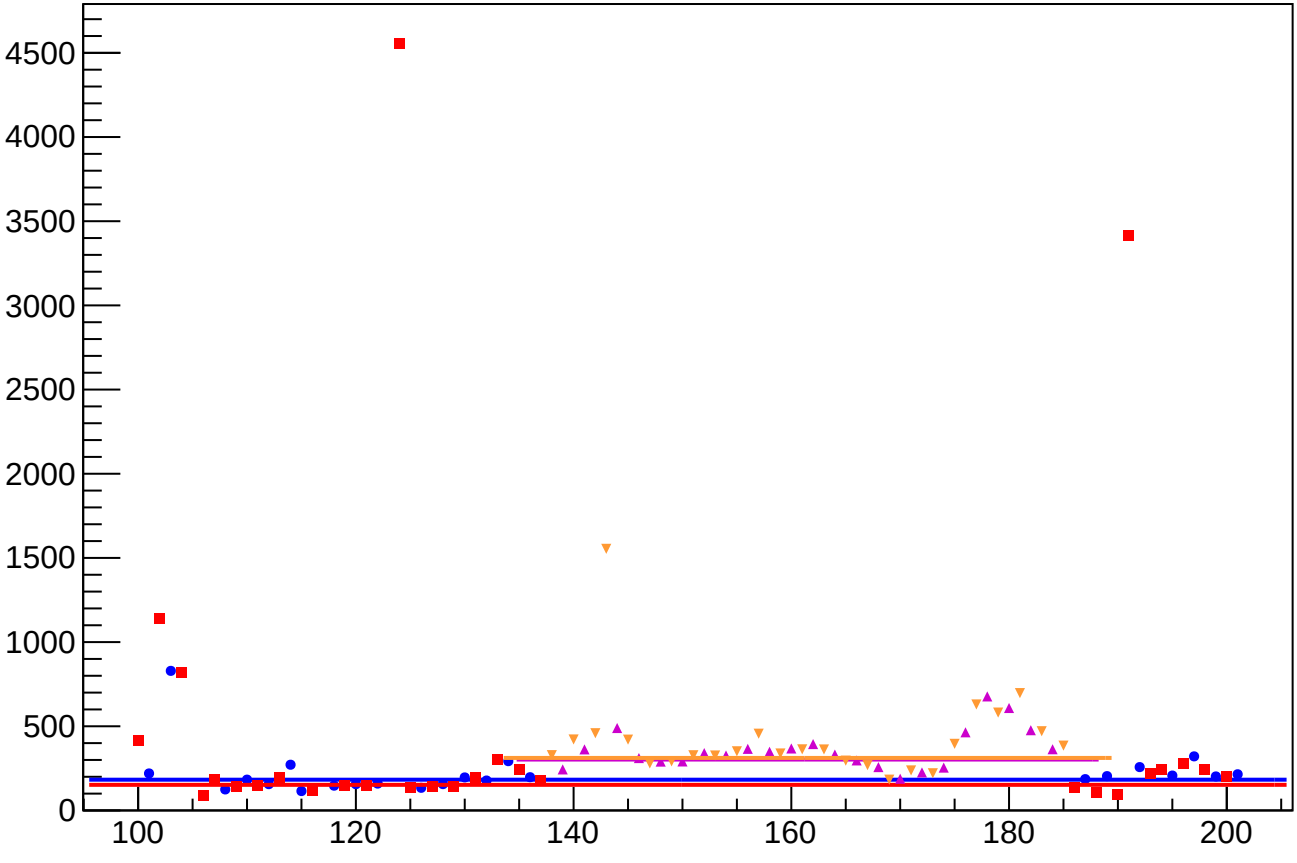
Right: -0.026+/-0.036 χ^2/NDF: 57.3/50

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.034+/-0.030 χ^2/NDF: 120.0/98

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: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

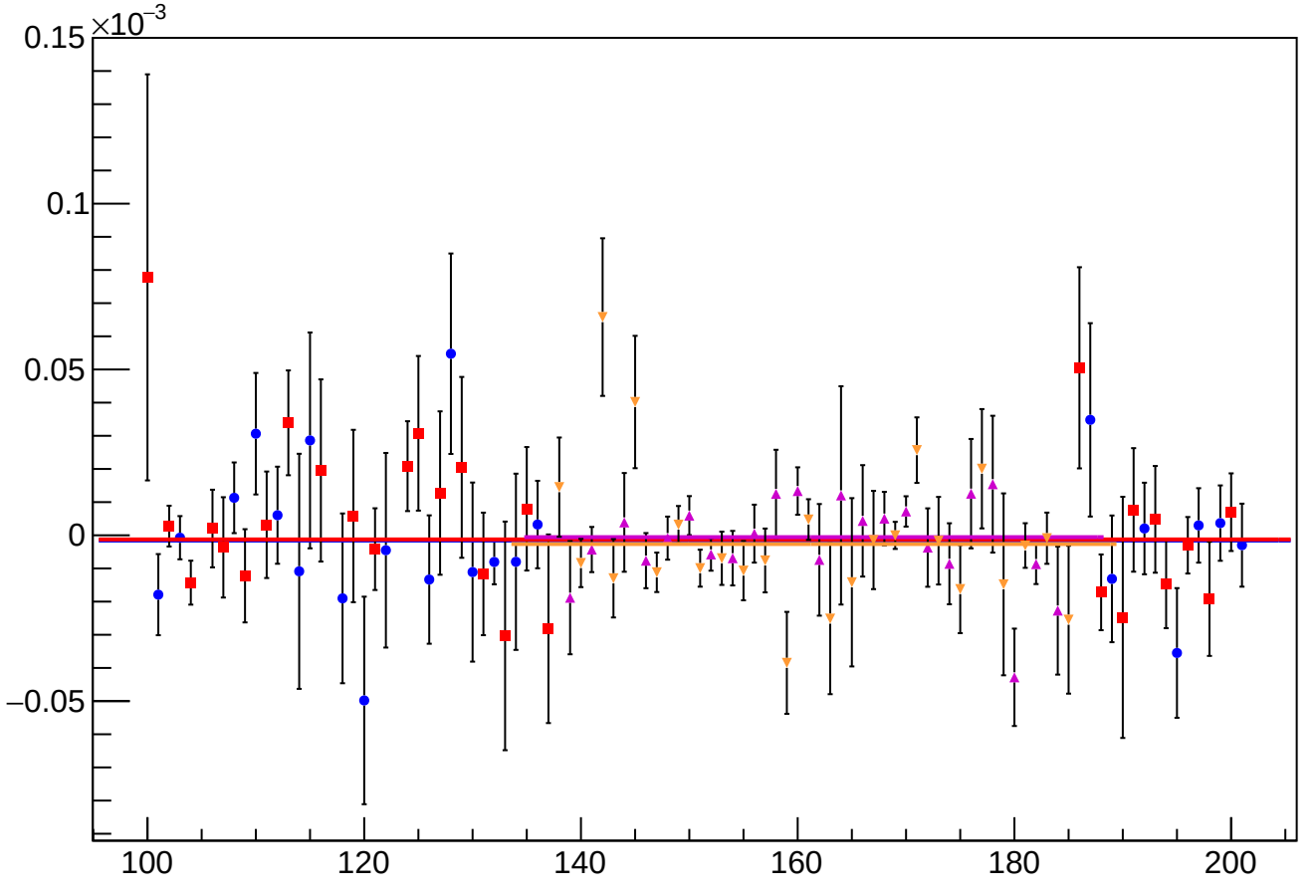
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 164.891+/-0.026 χ^2/NDF: 6457604.6/50

In: 225.661+/-0.032 χ^2/NDF:7991395.8/45

Out: 196.247+/-0.028 χ^2/NDF:14841684.4/52

All: 209.364+/-0.021 χ^2/NDF: 23309188.5/98



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: 28.4/27

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

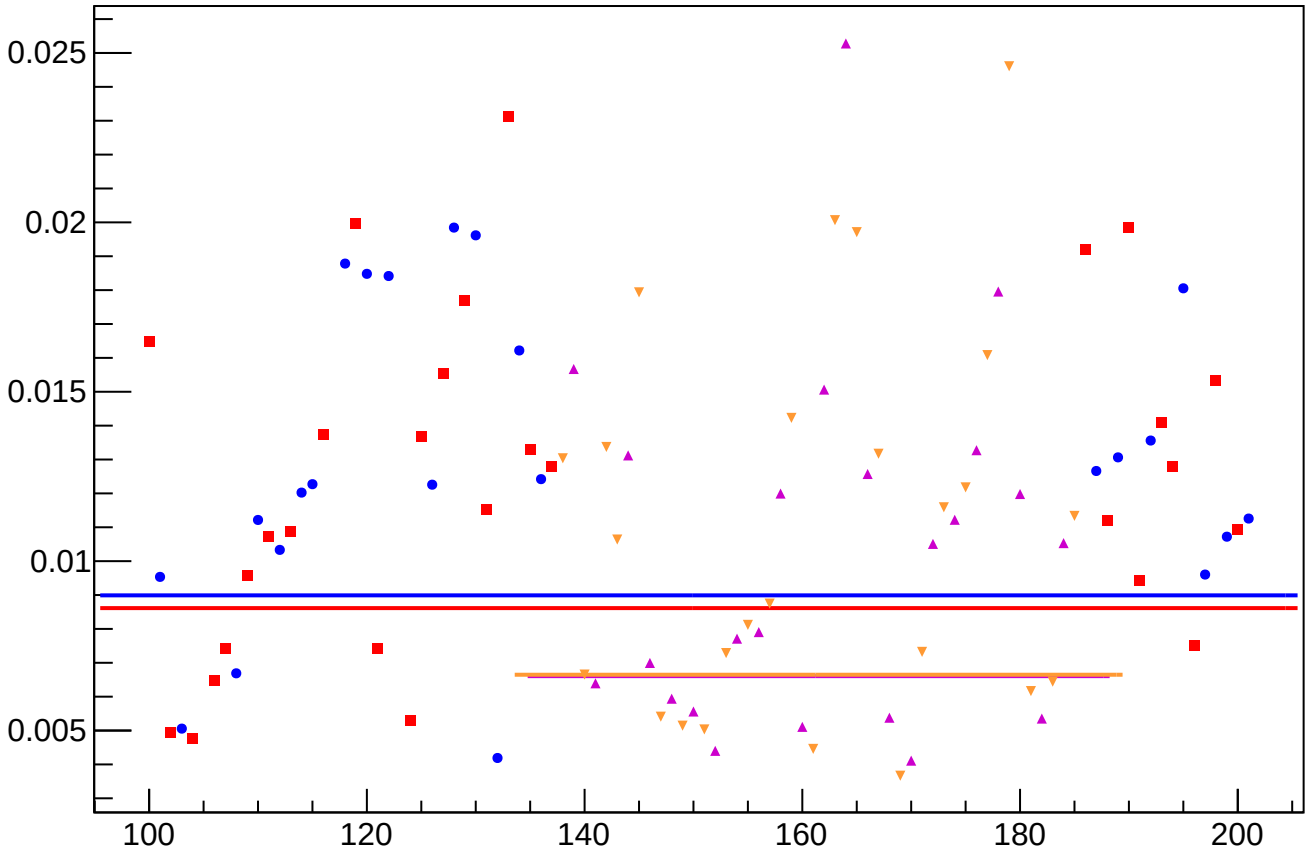
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.2/50

In: -0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:71.0/52

All: -0.000+/-0.000 χ^2/NDF: 119.2/98



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: 4604980.2/27

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

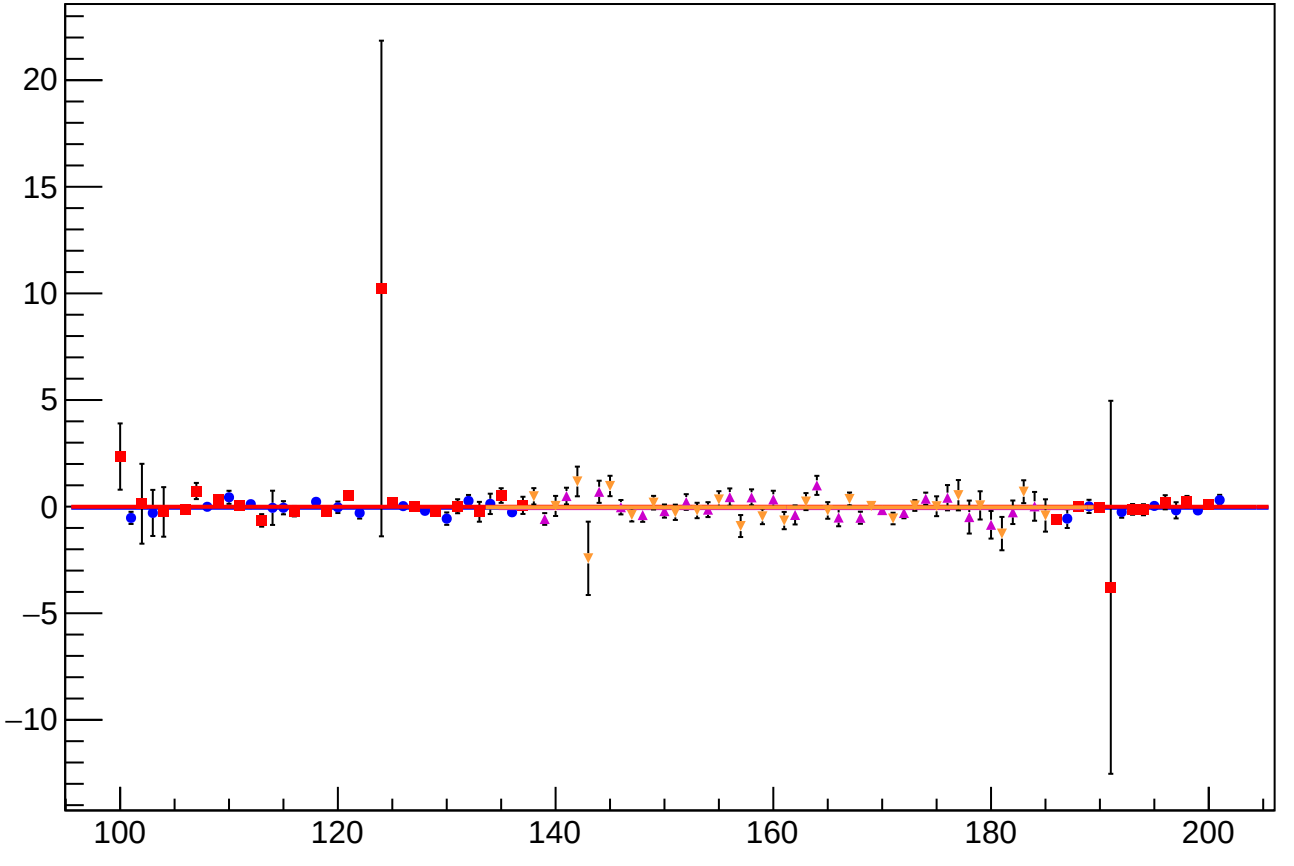
Right: 0.009+/-0.000 χ^2/NDF: 9028016.4/50

In: 0.007+/-0.000 χ^2/NDF:11252222.1/45

Out: 0.007+/-0.000 χ^2/NDF:12910332.0/52

All: 0.007+/-0.000 χ^2/NDF: 24162577.8/98

asym_atl_avg_atr_avg_avg_eigen_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: -0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

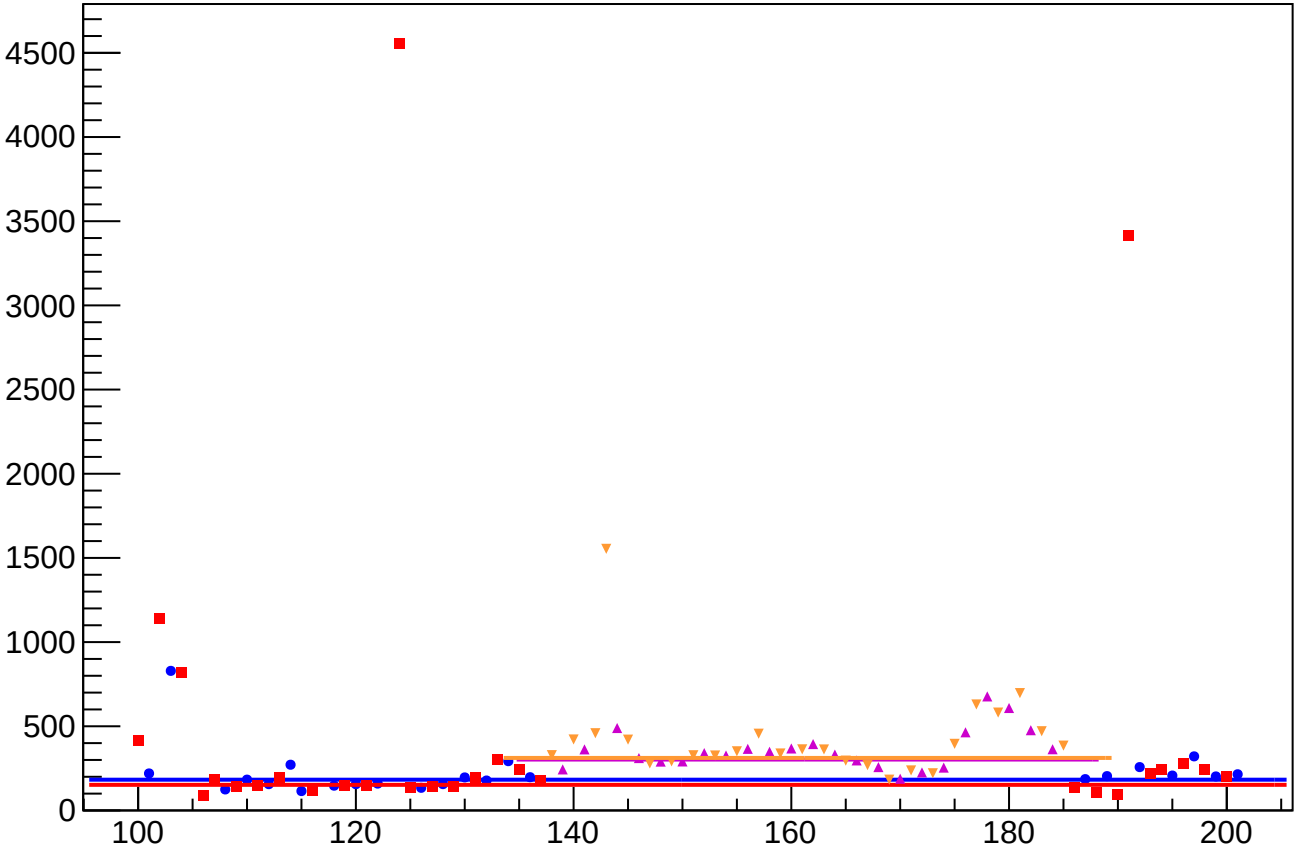
Right: -0.026+/-0.036 χ^2/NDF: 57.3/50

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.034+/-0.030 χ^2/NDF: 120.0/98

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: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

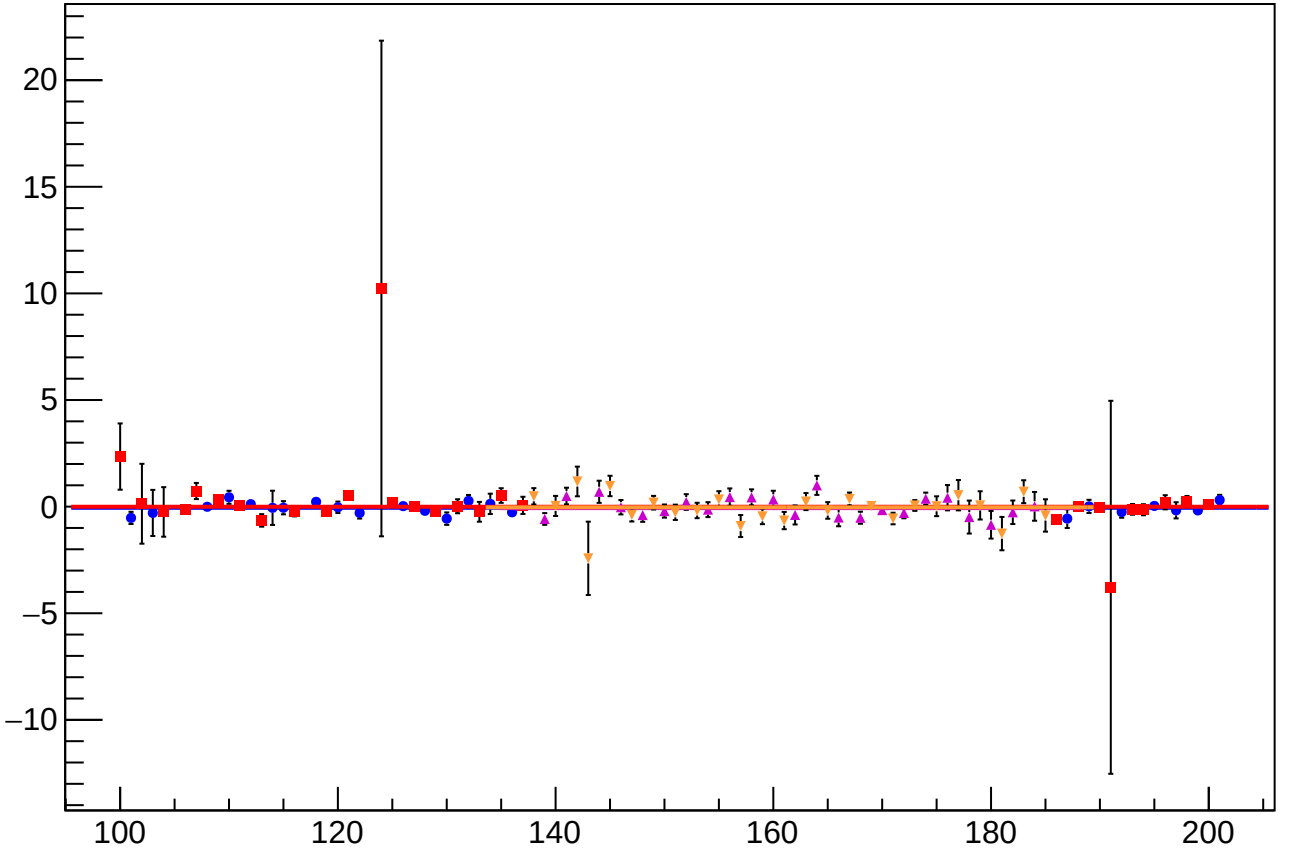
Right: 164.888+/-0.026 χ^2/NDF: 6457855.5/50

In: 225.660+/-0.032 χ^2/NDF:7991608.9/45

Out: 196.243+/-0.028 χ^2/NDF:14842377.0/52

All: 209.361+/-0.021 χ^2/NDF: 23310206.3/98

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: -0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

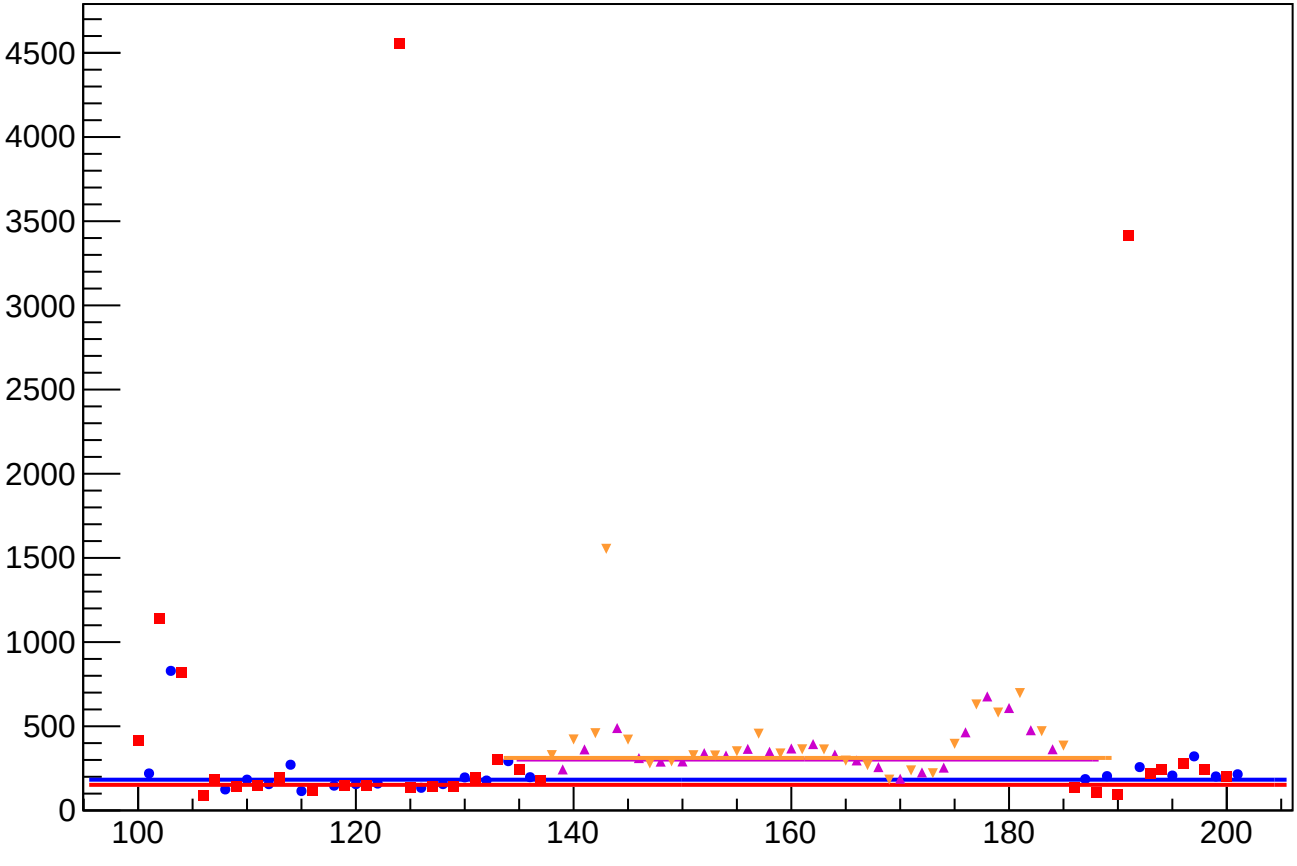
Right: -0.026+/-0.036 χ^2/NDF: 57.3/50

In: -0.059+/-0.045 χ^2/NDF:49.6/45

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.034+/-0.030 χ^2/NDF: 120.0/98

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: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

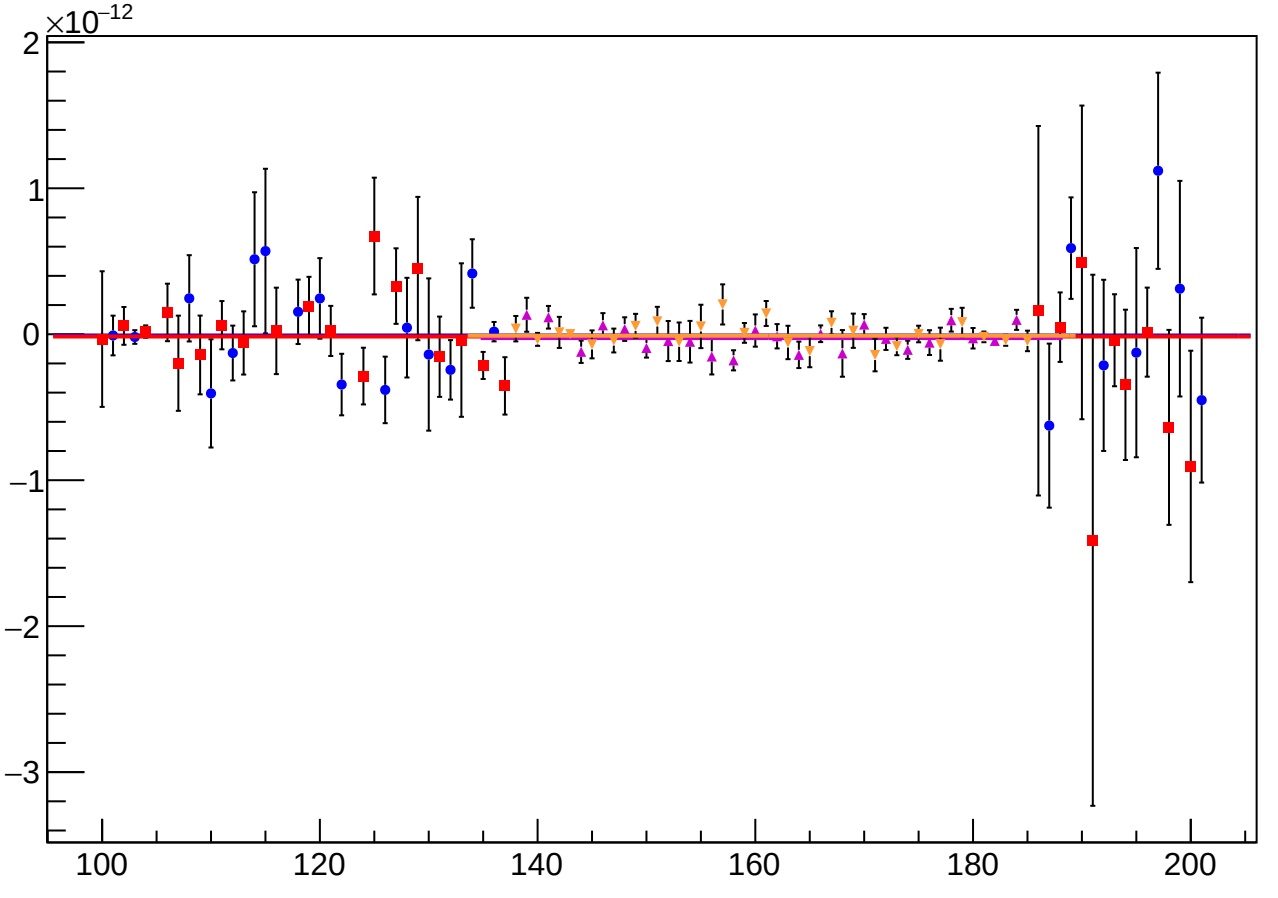
Right: 164.888+/-0.026 χ^2/NDF: 6457855.5/50

In: 225.660+/-0.032 χ^2/NDF:7991608.9/45

Out: 196.243+/-0.028 χ^2/NDF:14842377.0/52

All: 209.361+/-0.021 χ^2/NDF: 23310206.3/98

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/27

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

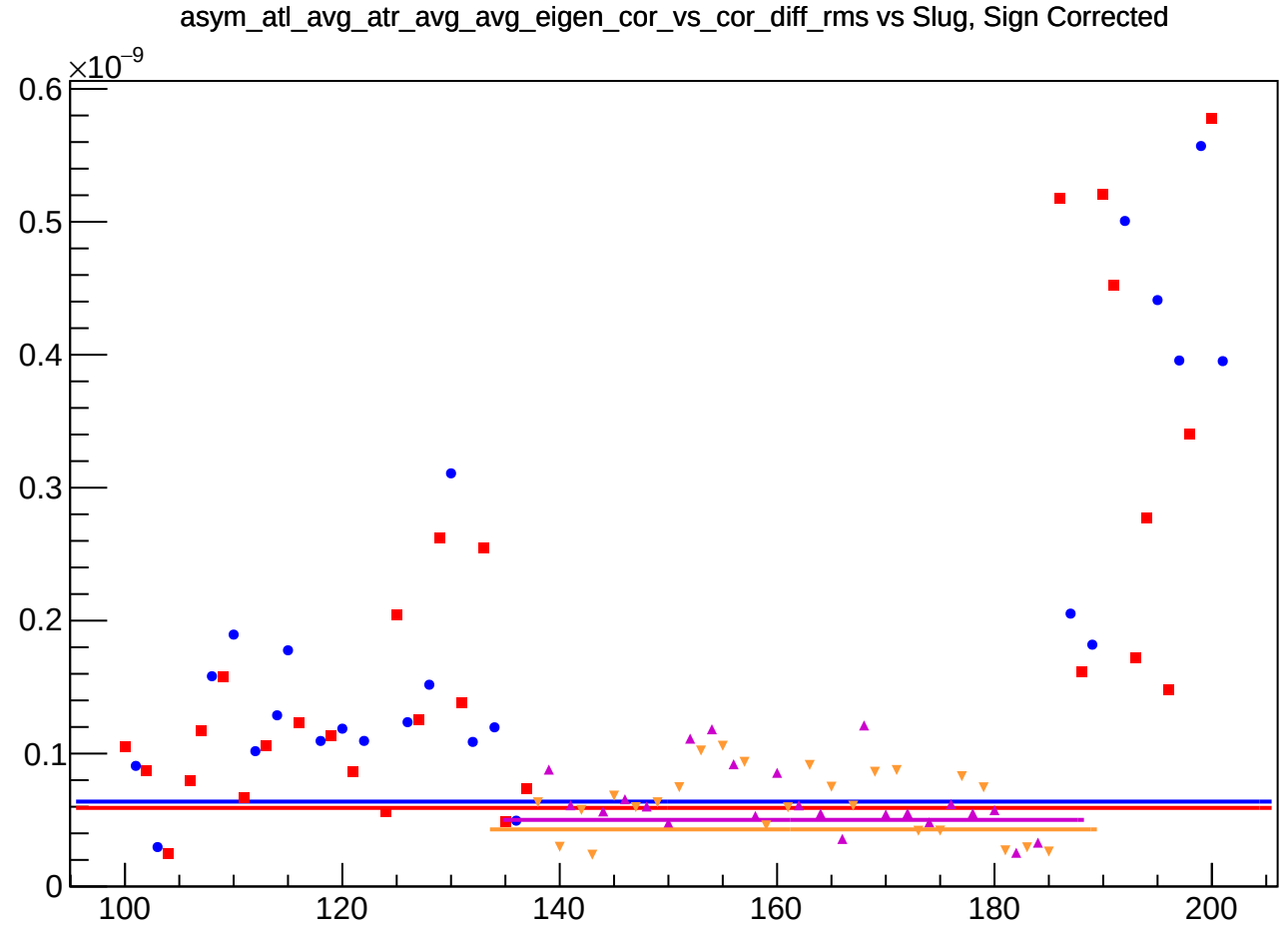
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/50

In: -0.000+/-0.000 χ^2/NDF:51.9/45

Out: -0.000+/-0.000 χ^2/NDF:38.6/52

All: -0.000+/-0.000 χ^2/NDF: 90.9/98



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: 6476650.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

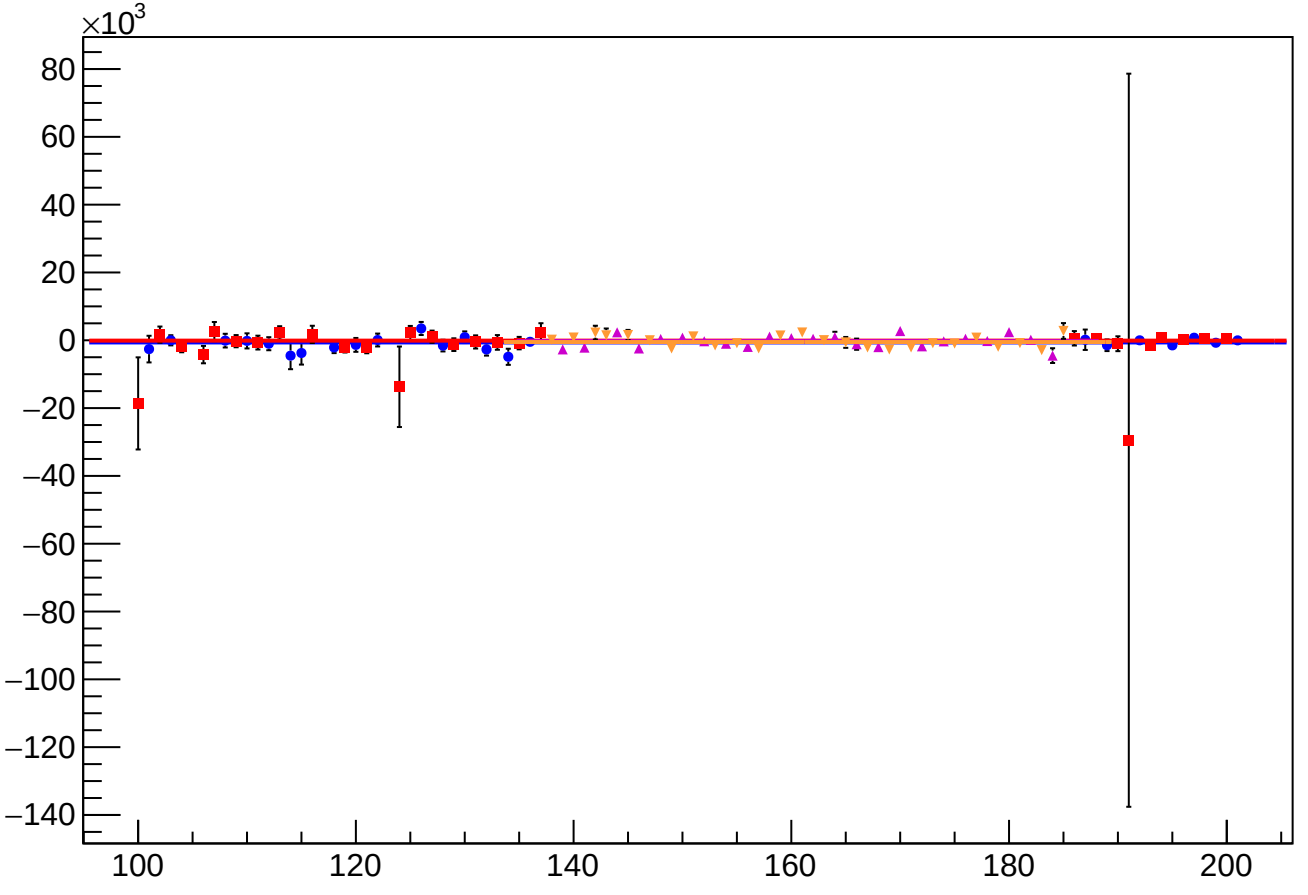
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13651267.3/50

In: 0.000+/-0.000 χ^2/NDF:11056929.4/45

Out: 0.000+/-0.000 χ^2/NDF:12015596.7/52

All: 0.000+/-0.000 χ^2/NDF: 23363709.7/98



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: -104.047+/-358.219 χ^2/NDF: 18.5/27

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

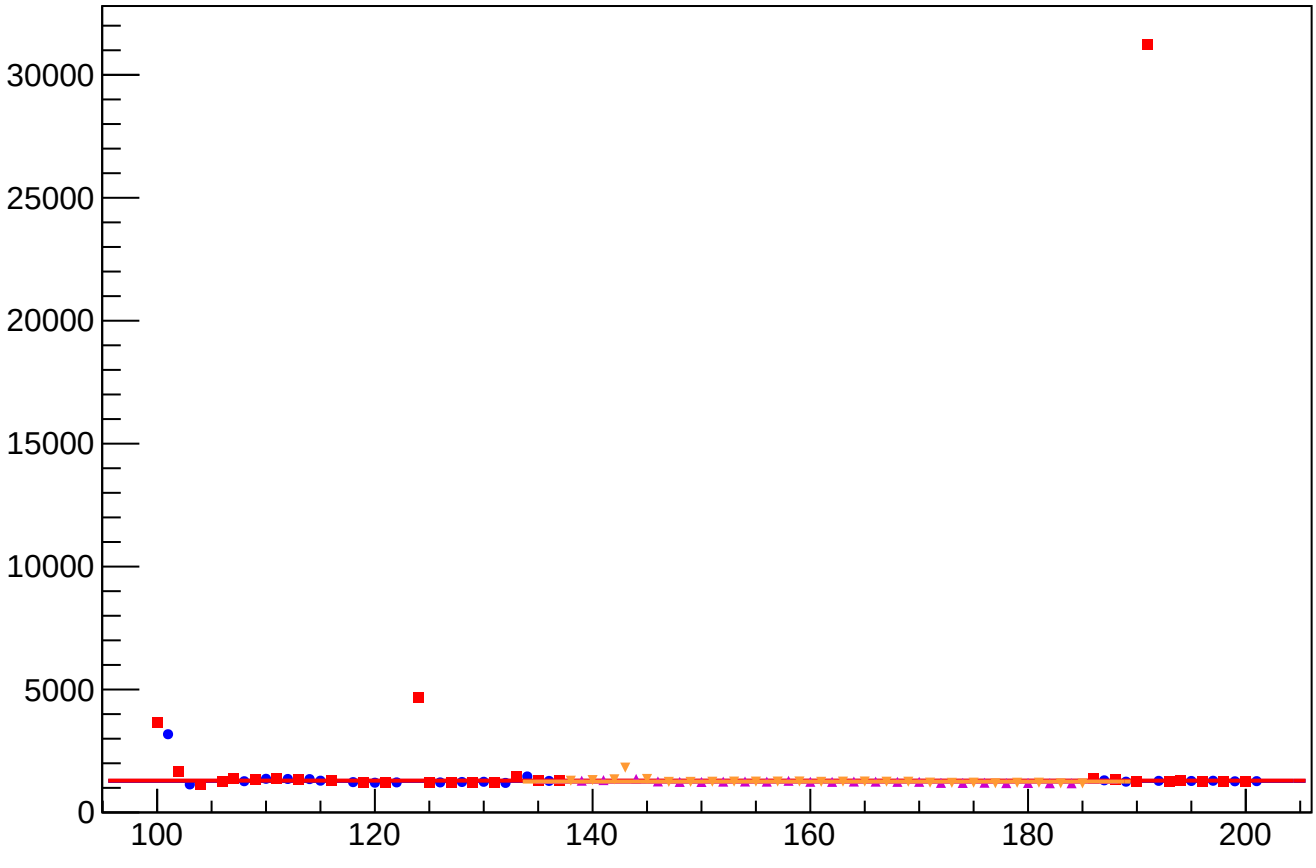
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -362.323+/-257.049 χ^2/NDF: 35.2/50

In: -393.757+/-228.592 χ^2/NDF:48.4/45

Out: -354.743+/-223.477 χ^2/NDF:50.2/52

All: -373.809+/-159.800 χ^2/NDF: 98.6/98



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: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

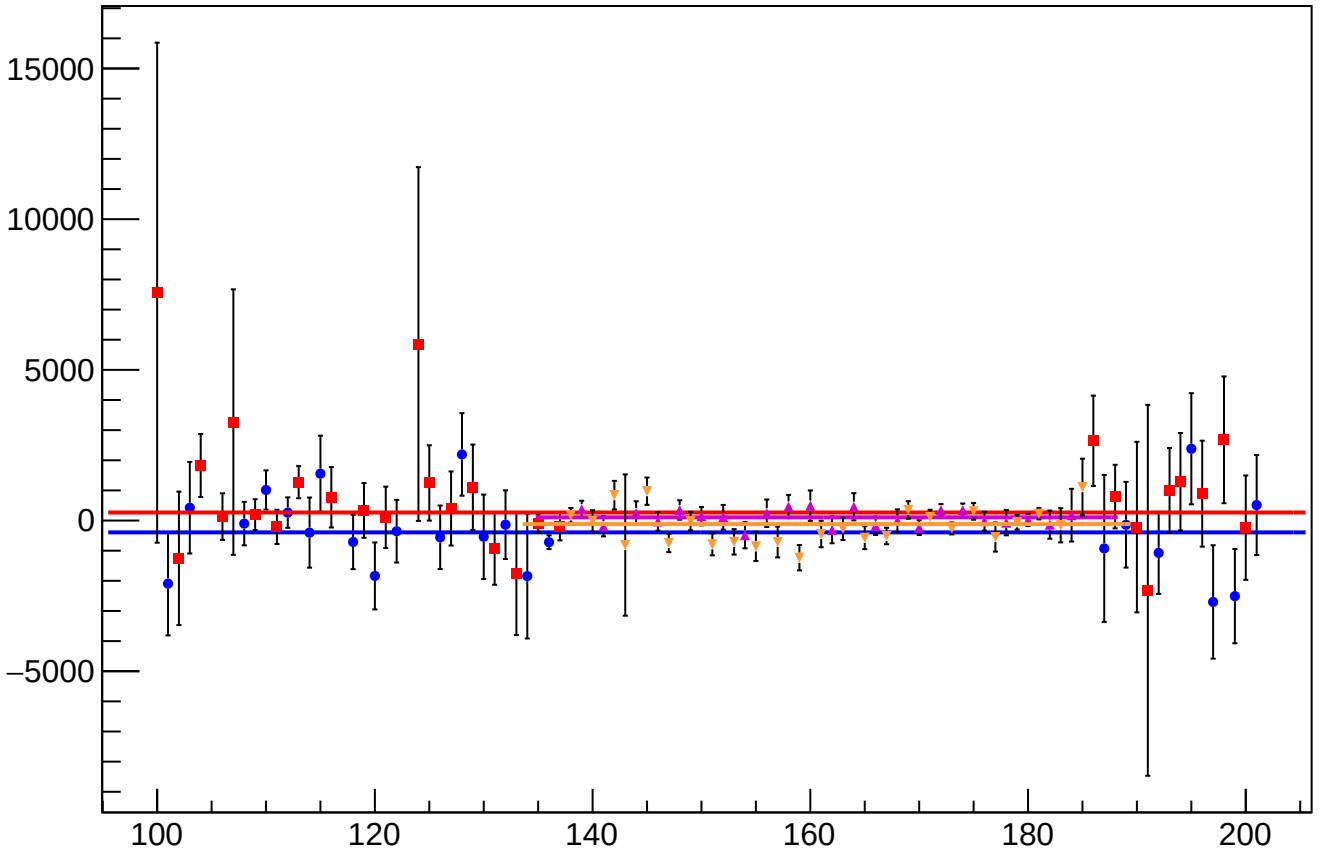
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1288.701+/-0.182 χ^2/NDF: 1011066.5/50

In: 1260.174+/-0.162 χ^2/NDF:570982.7/45

Out: 1270.749+/-0.158 χ^2/NDF:708255.3/52

All: 1265.581+/-0.113 χ^2/NDF: 1281426.4/98



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: 267.969+/-162.126 χ^2/NDF: 20.0/27

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

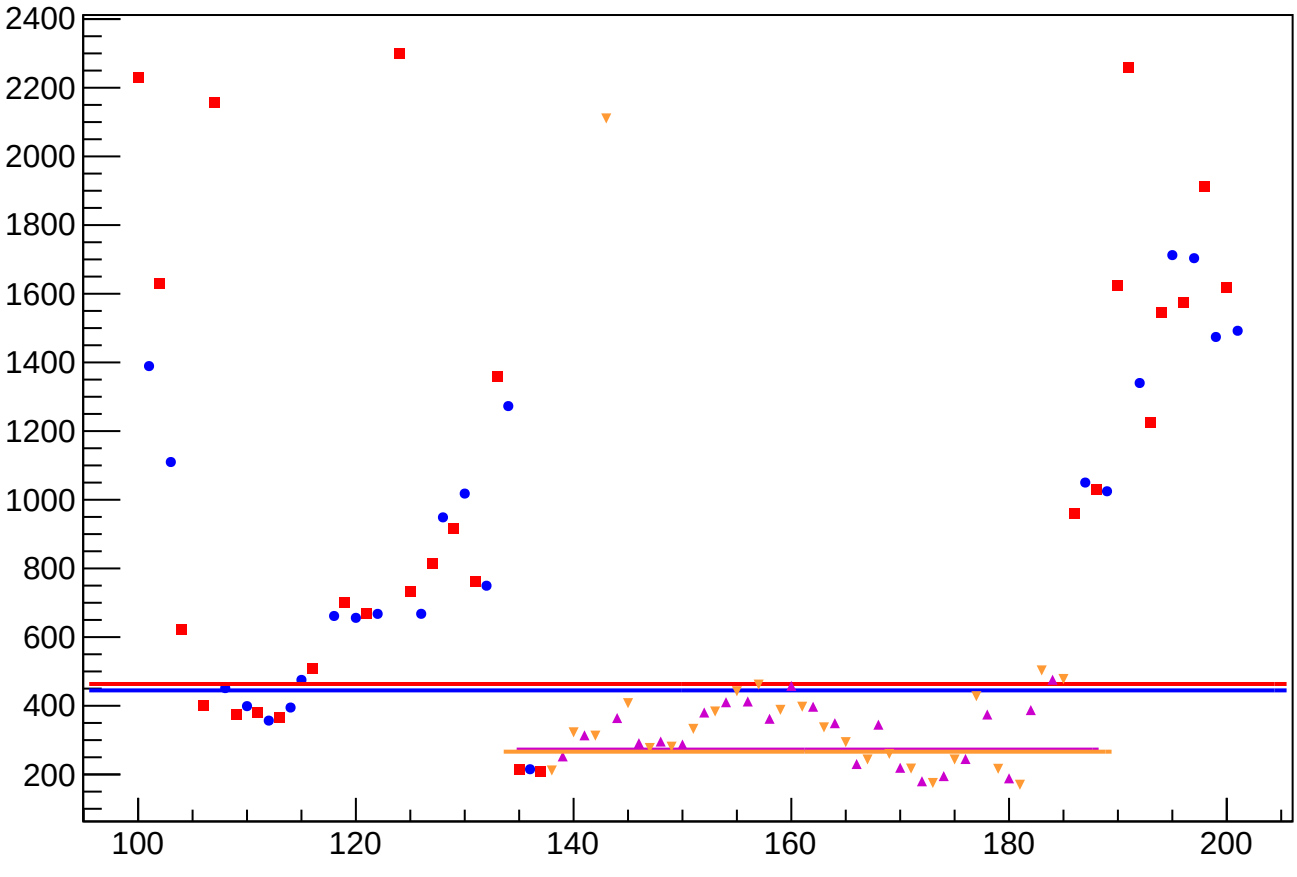
Right: -61.486+/-114.753 χ^2/NDF: 52.7/50

In: 34.710+/-61.939 χ^2/NDF:46.2/45

Out: -63.631+/-60.379 χ^2/NDF:73.3/52

All: -15.715+/-43.235 χ^2/NDF: 120.8/98

asym_atl_avg_atr_avg_dd_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: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

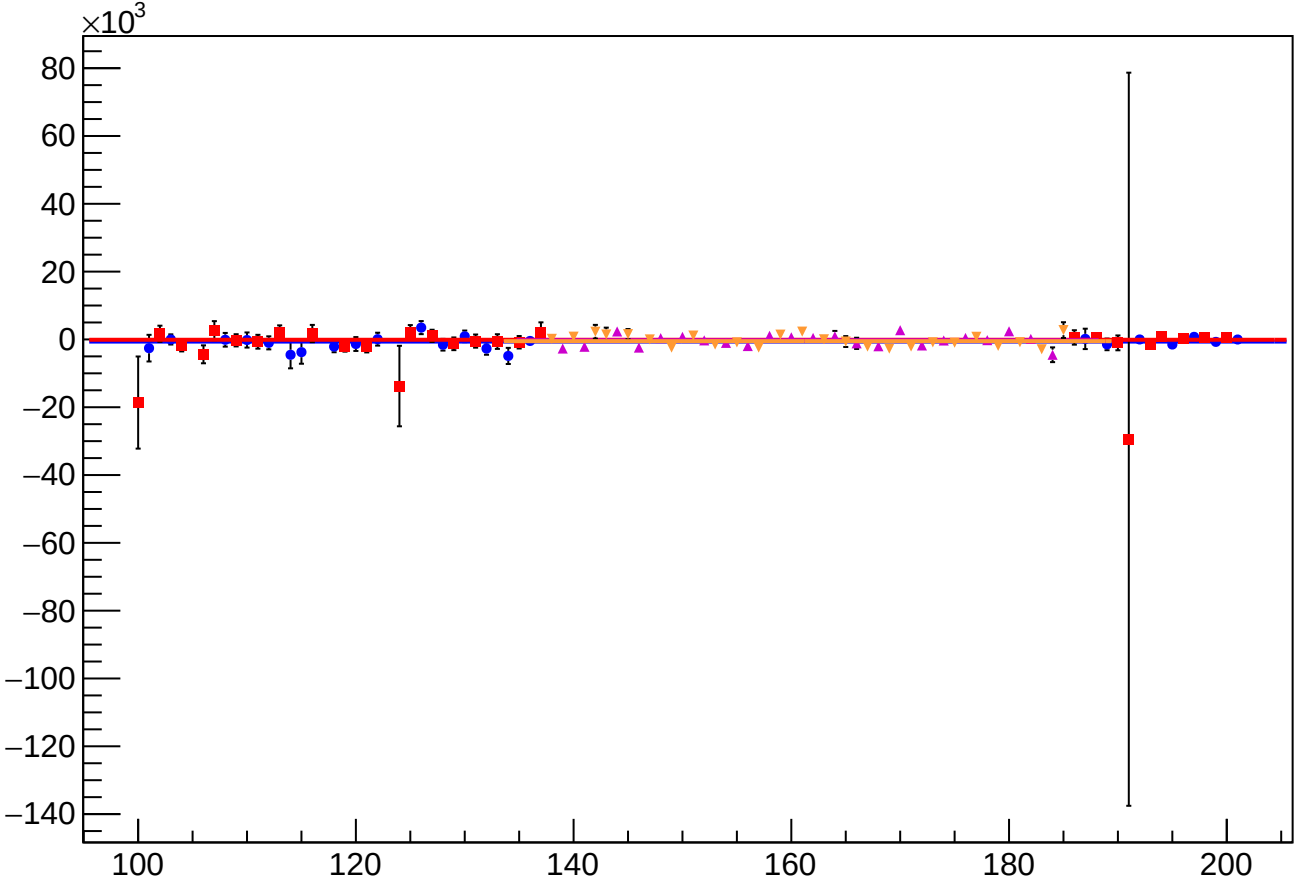
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 454.162+/-0.081 χ^2/NDF: 19281865.3/50

In: 297.440+/-0.044 χ^2/NDF:14153796.8/45

Out: 293.665+/-0.043 χ^2/NDF:17106307.6/52

All: 295.504+/-0.031 χ^2/NDF: 31263913.6/98



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: -102.318+/-358.428 χ^2/NDF: 18.6/27

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

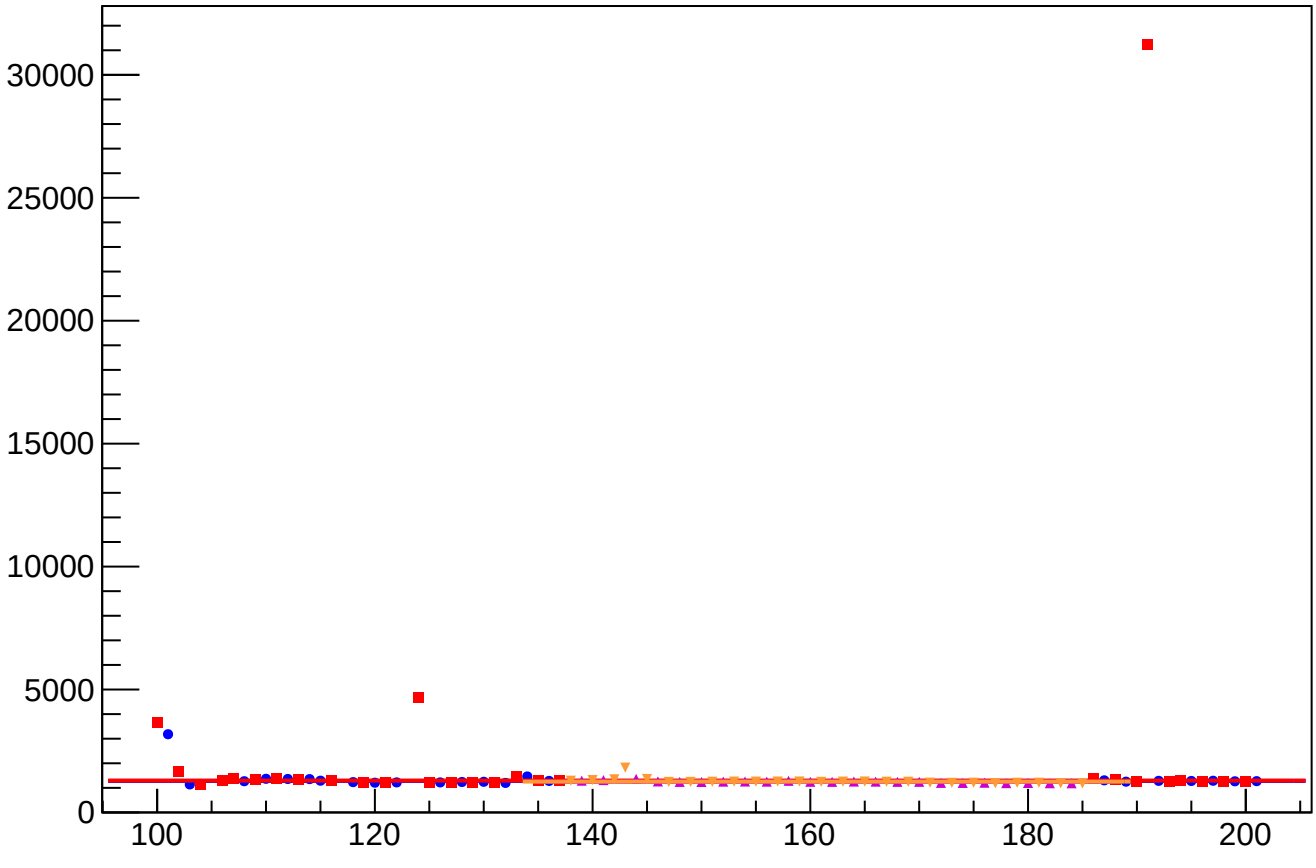
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -361.499+/-257.126 χ^2/NDF: 35.3/50

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -373.469+/-159.819 χ^2/NDF: 98.7/98



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: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

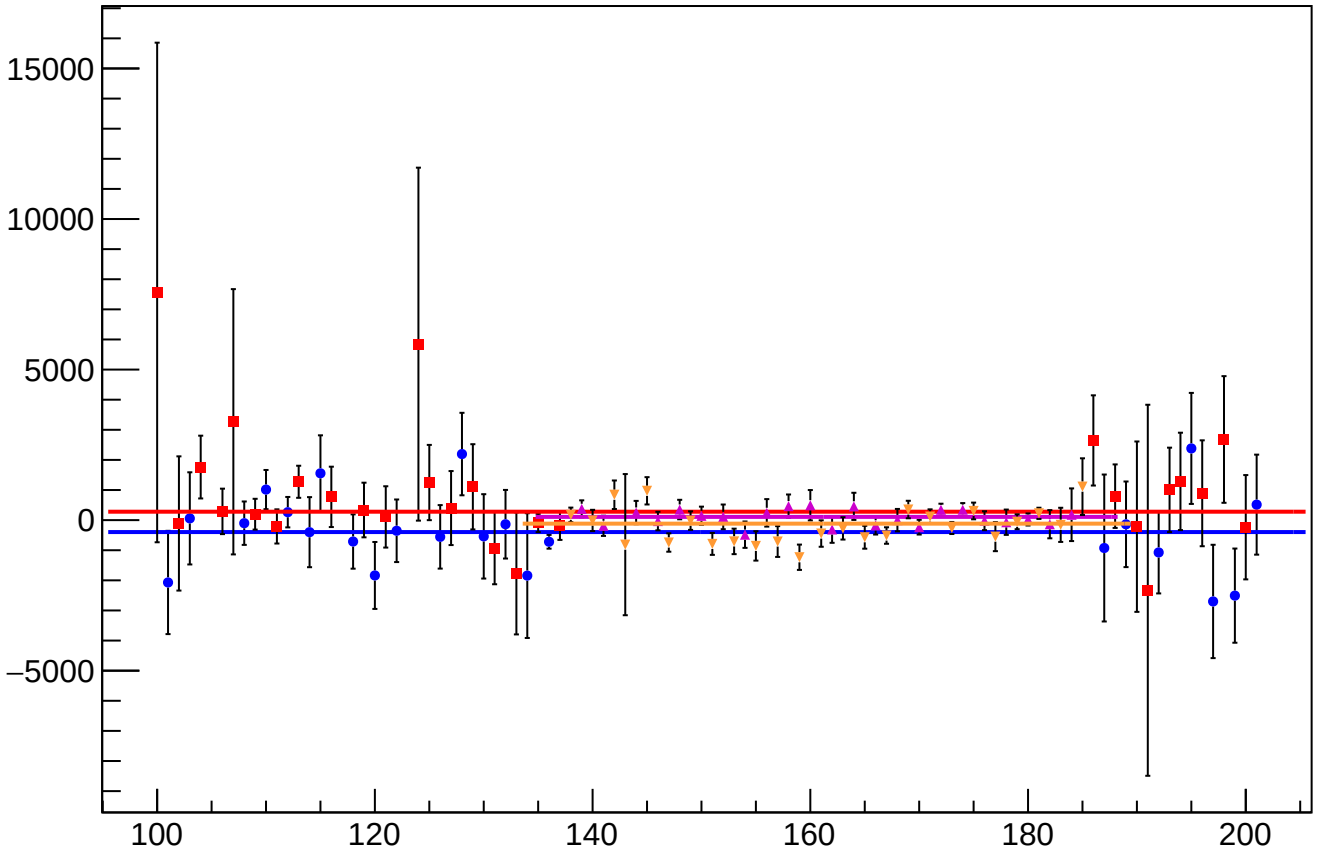
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1289.102+/-0.182 χ^2/NDF: 1010929.4/50

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98



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: 279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

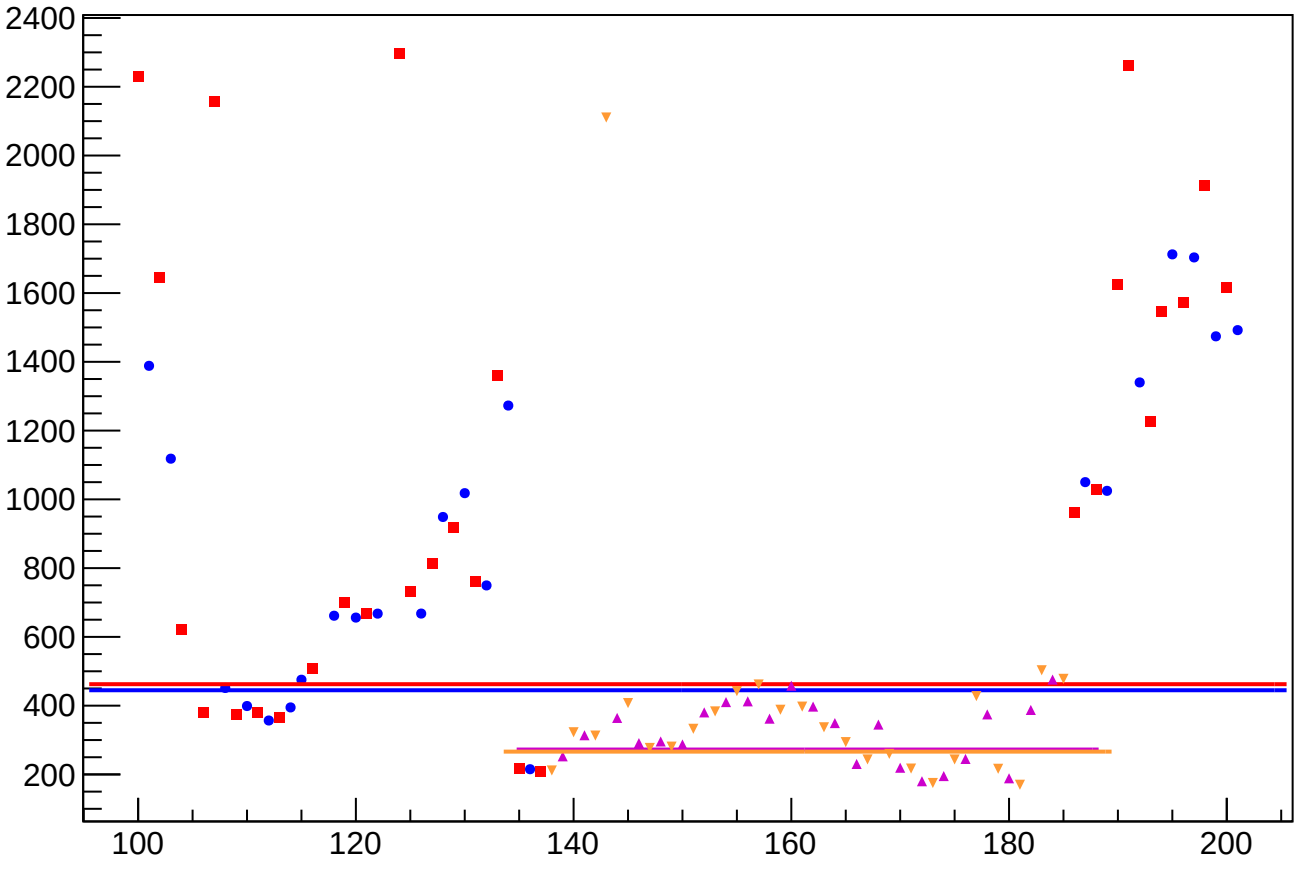
Right: -57.201+/-114.698 χ^2/NDF: 52.2/50

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.052+/-43.233 χ^2/NDF: 120.3/98

asym_atl_avg_atr_avg_dd_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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

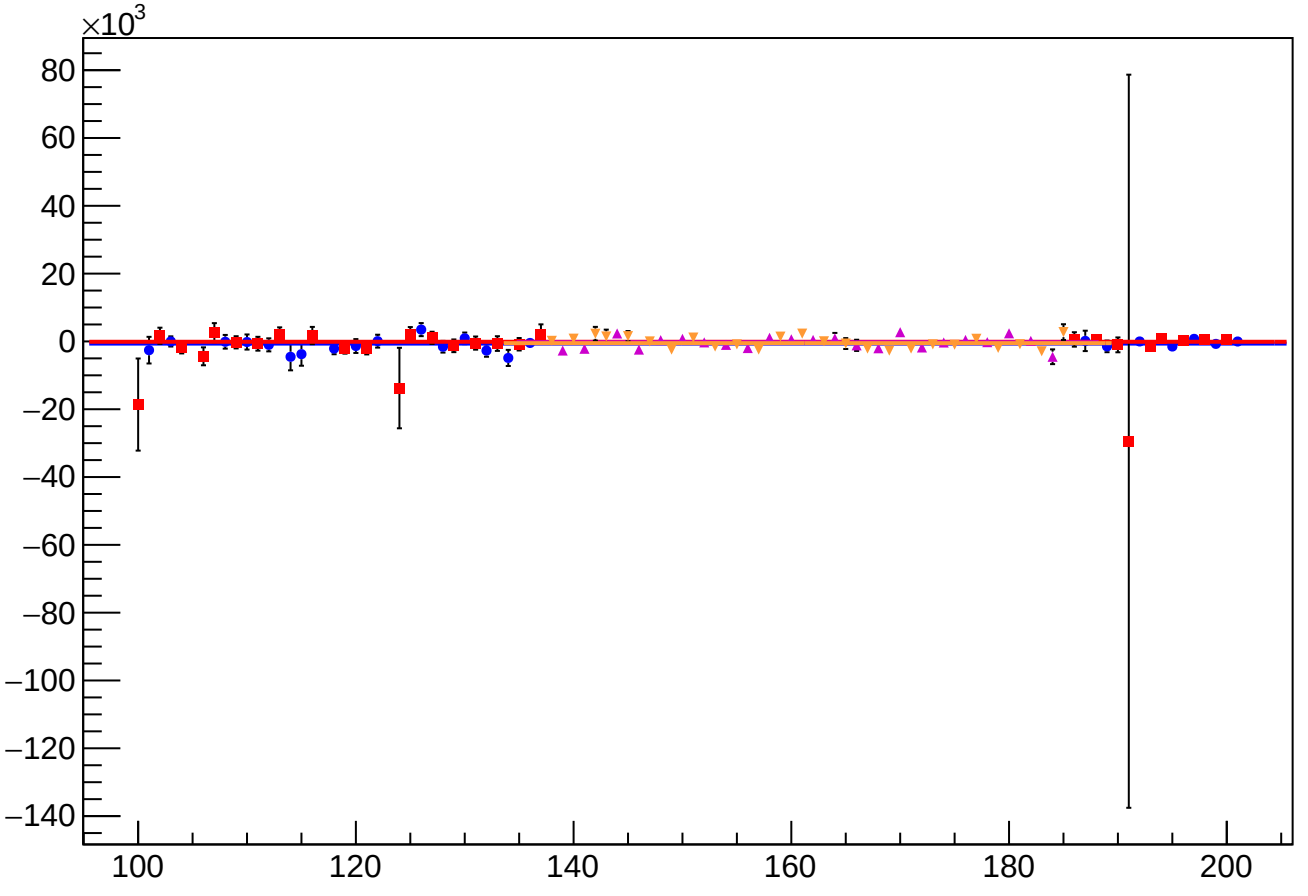
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 453.659+/-0.081 χ^2/NDF: 19300750.1/50

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98



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: -102.318+/-358.428 χ^2/NDF: 18.6/27

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

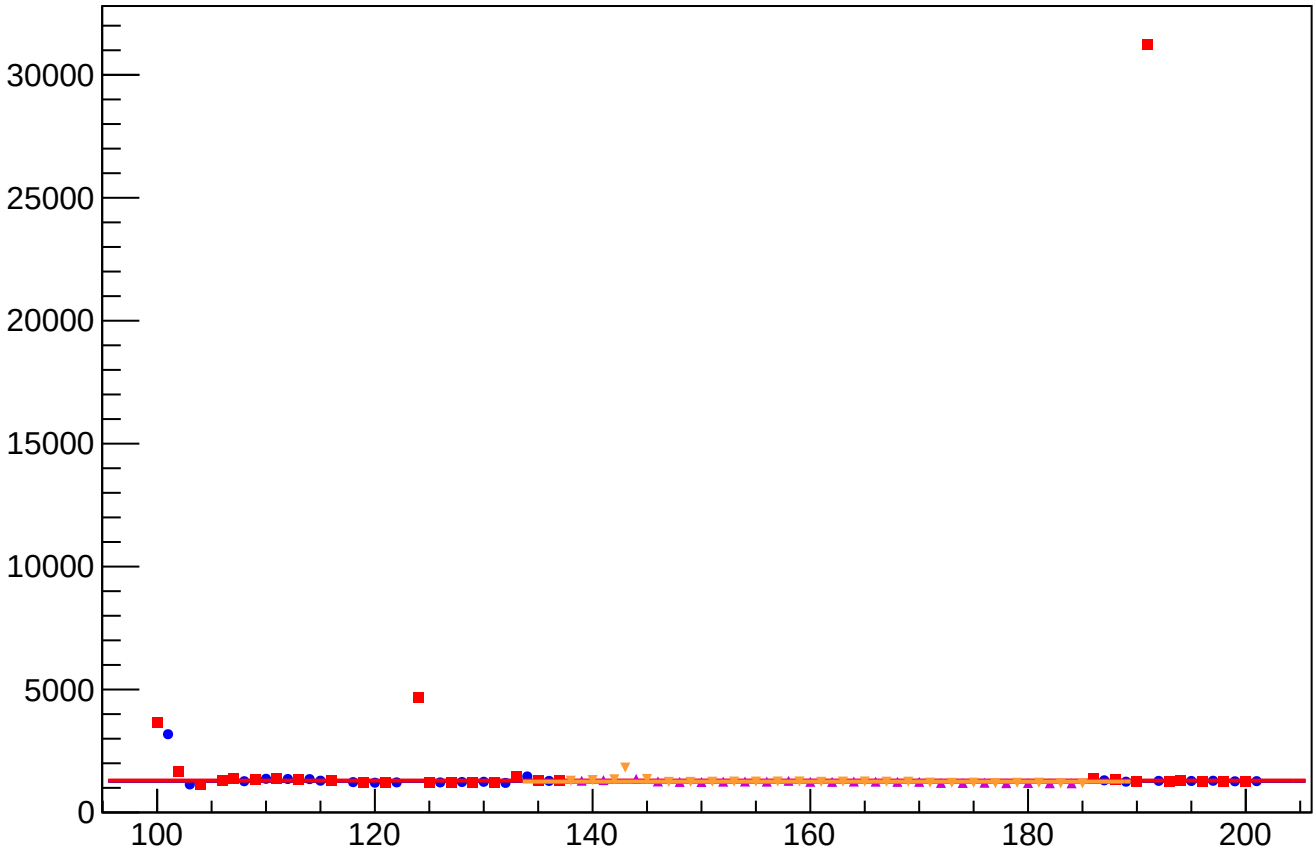
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -361.499+/-257.126 χ^2/NDF: 35.3/50

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -373.469+/-159.819 χ^2/NDF: 98.7/98



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: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

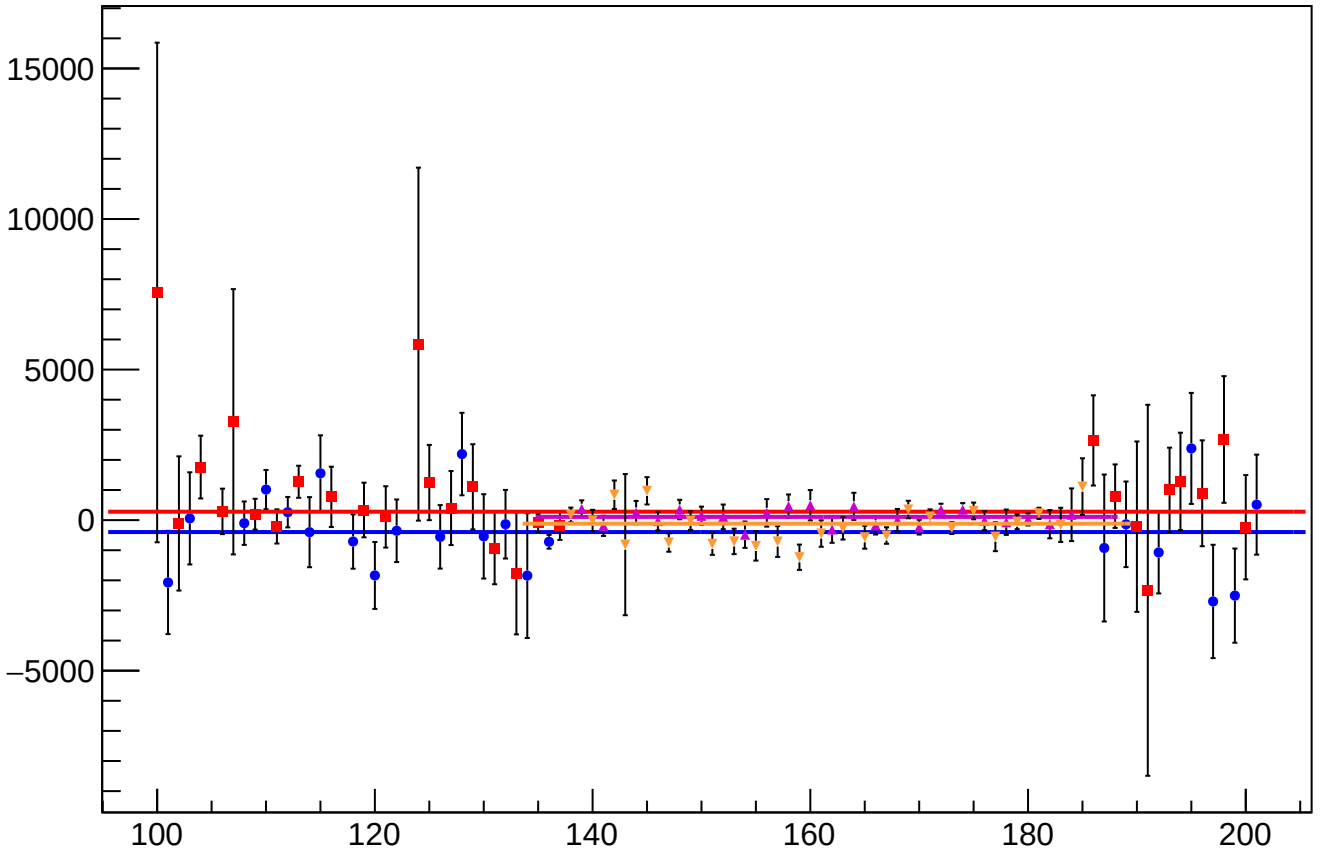
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1289.102+/-0.182 χ^2/NDF: 1010929.4/50

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98



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: 279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

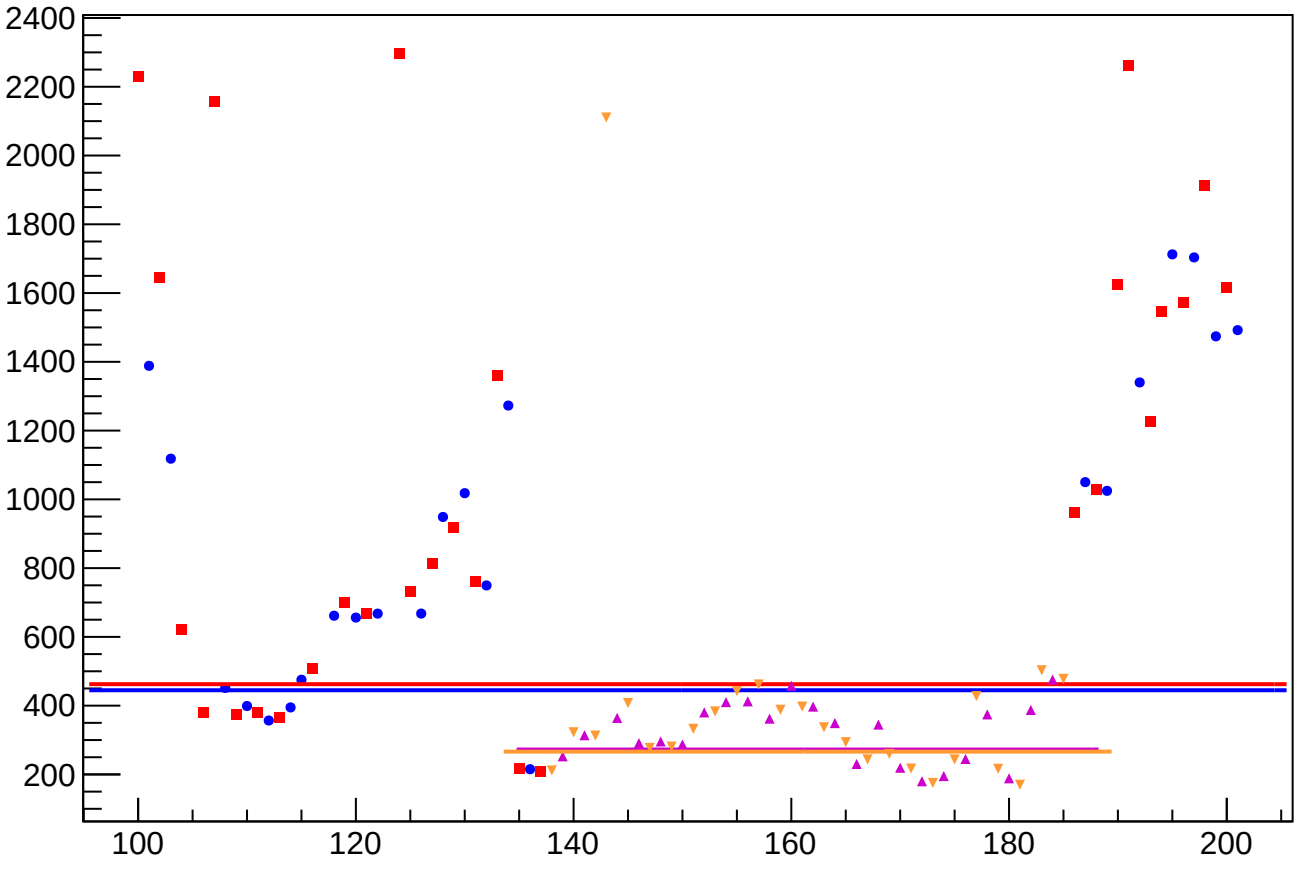
Right: -57.201+/-114.698 χ^2/NDF: 52.2/50

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.052+/-43.233 χ^2/NDF: 120.3/98

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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

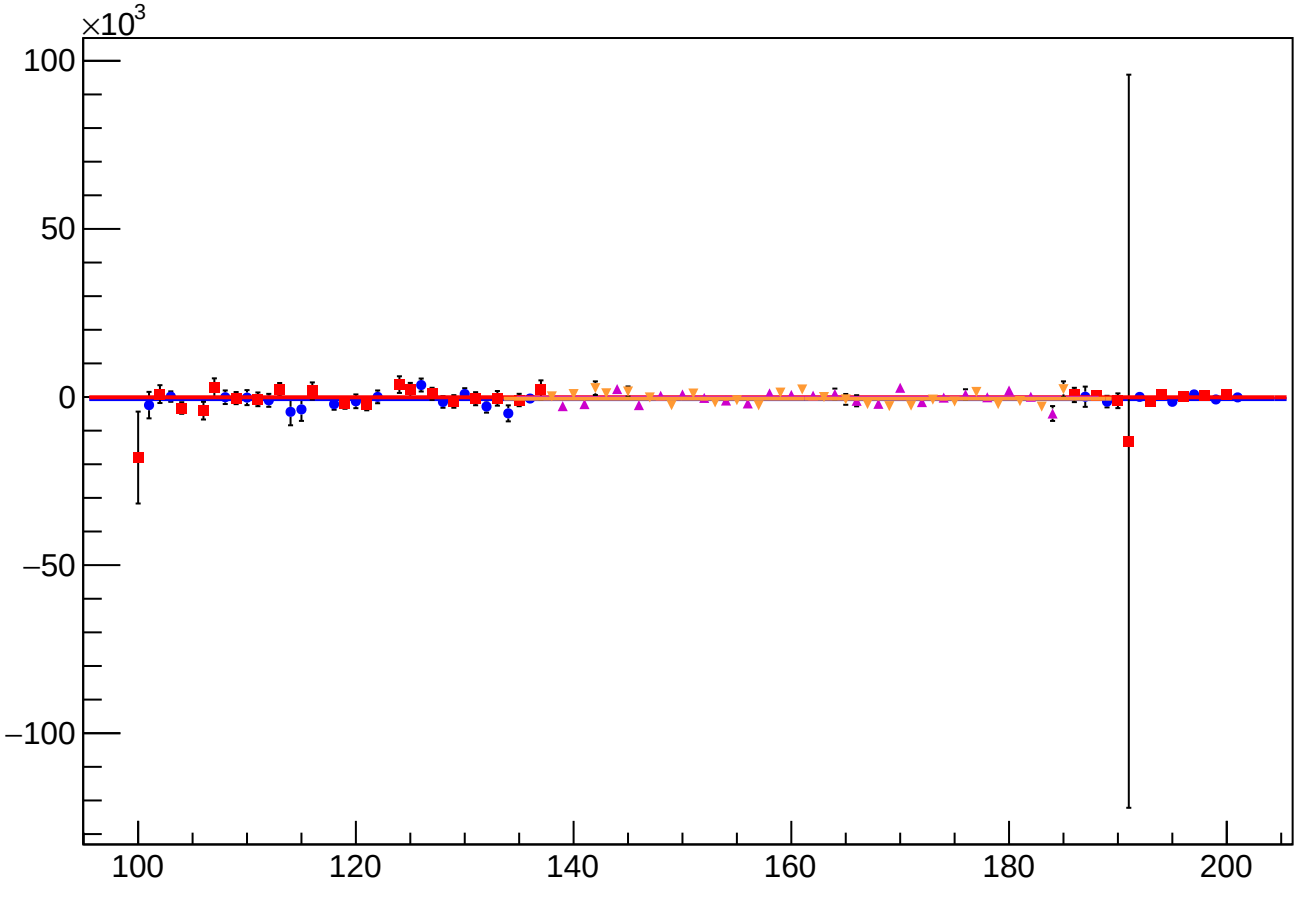
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 453.659+/-0.081 χ^2/NDF: 19300750.1/50

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98



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: -77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

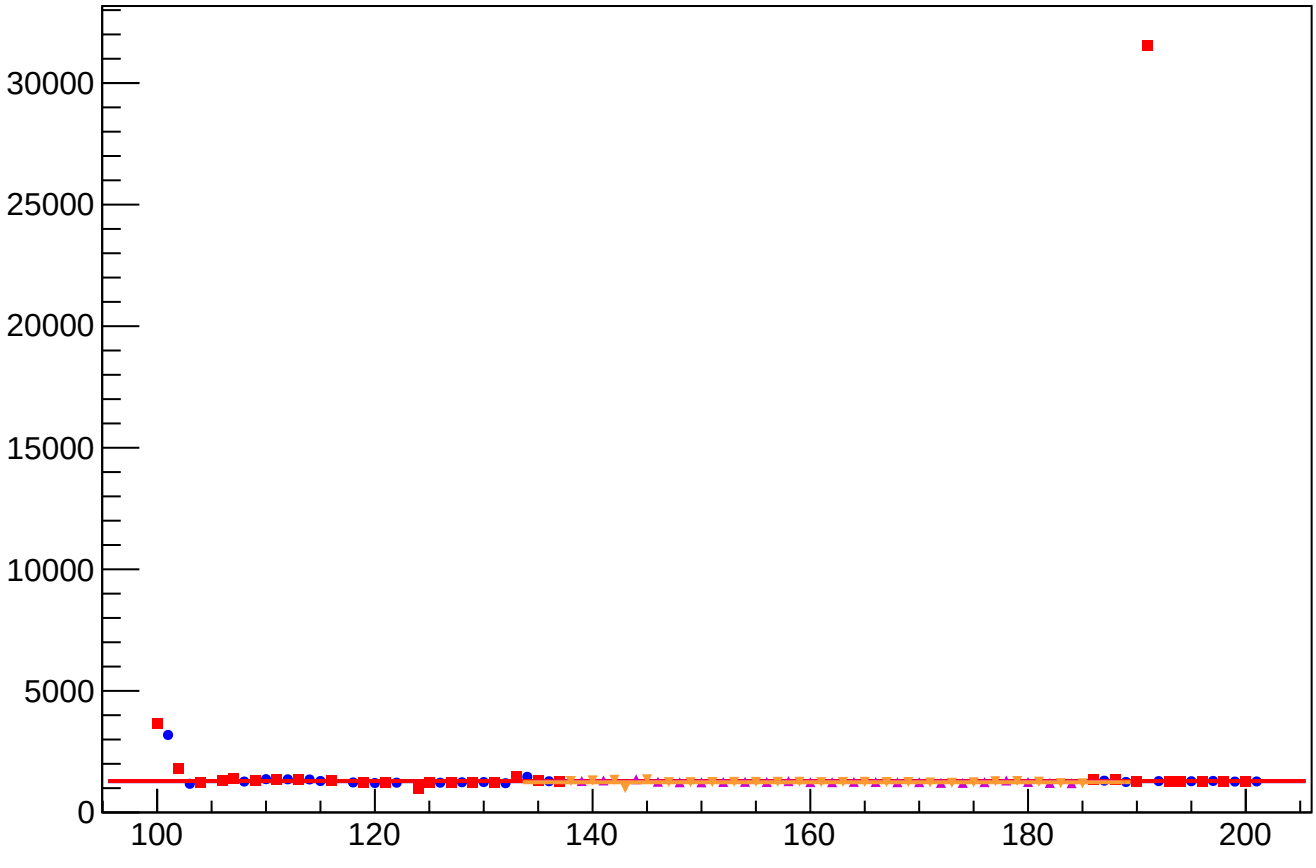
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -335.755+/-257.135 χ^2/NDF: 37.2/50

In: -385.868+/-230.439 χ^2/NDF:46.9/45

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -358.483+/-159.767 χ^2/NDF: 102.5/98



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: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

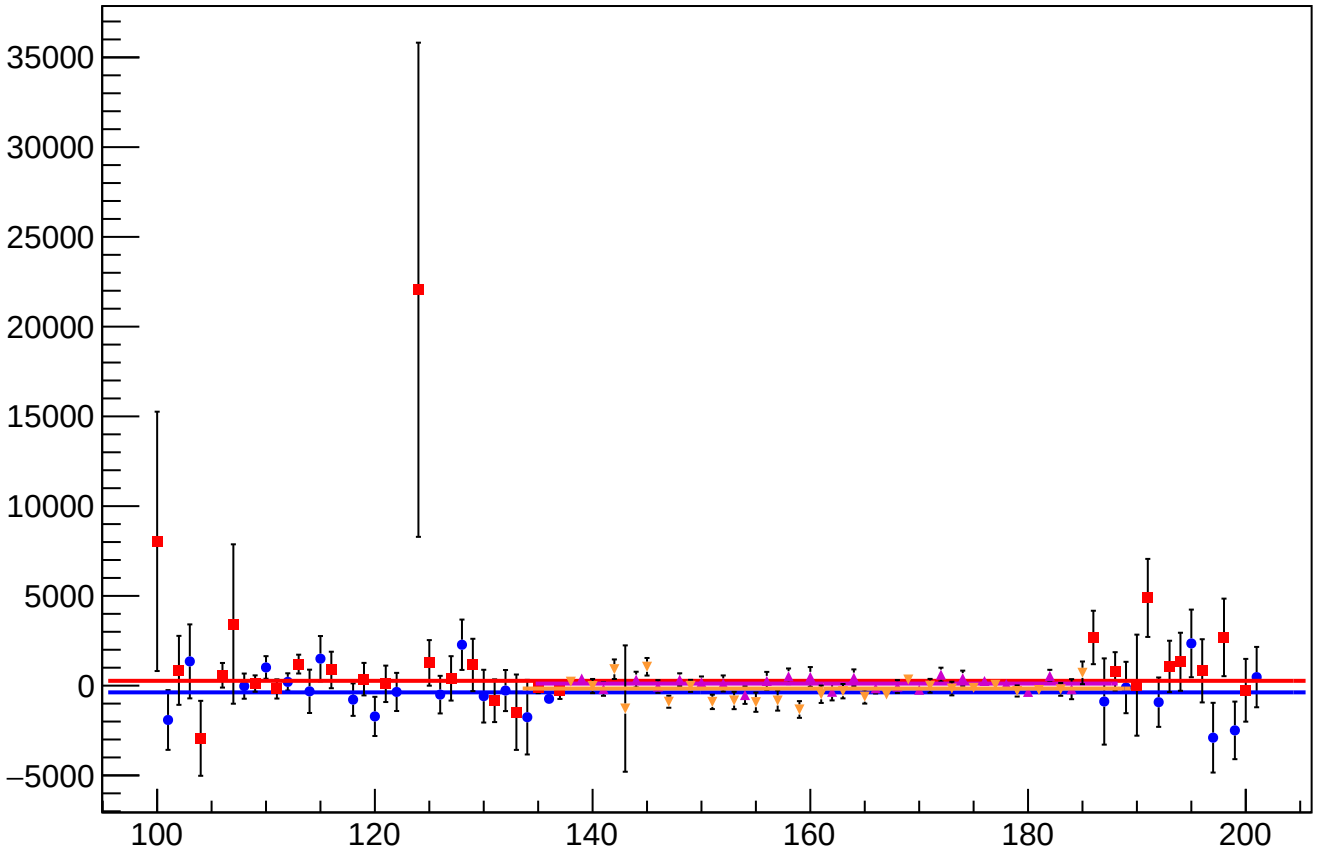
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1289.369+/-0.182 χ^2/NDF: 883649.0/50

In: 1270.563+/-0.163 χ^2/NDF:545467.5/45

Out: 1261.373+/-0.157 χ^2/NDF:525576.3/52

All: 1265.790+/-0.113 χ^2/NDF: 1072695.6/98



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: 268.182+/-161.913 χ^2/NDF: 25.9/27

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

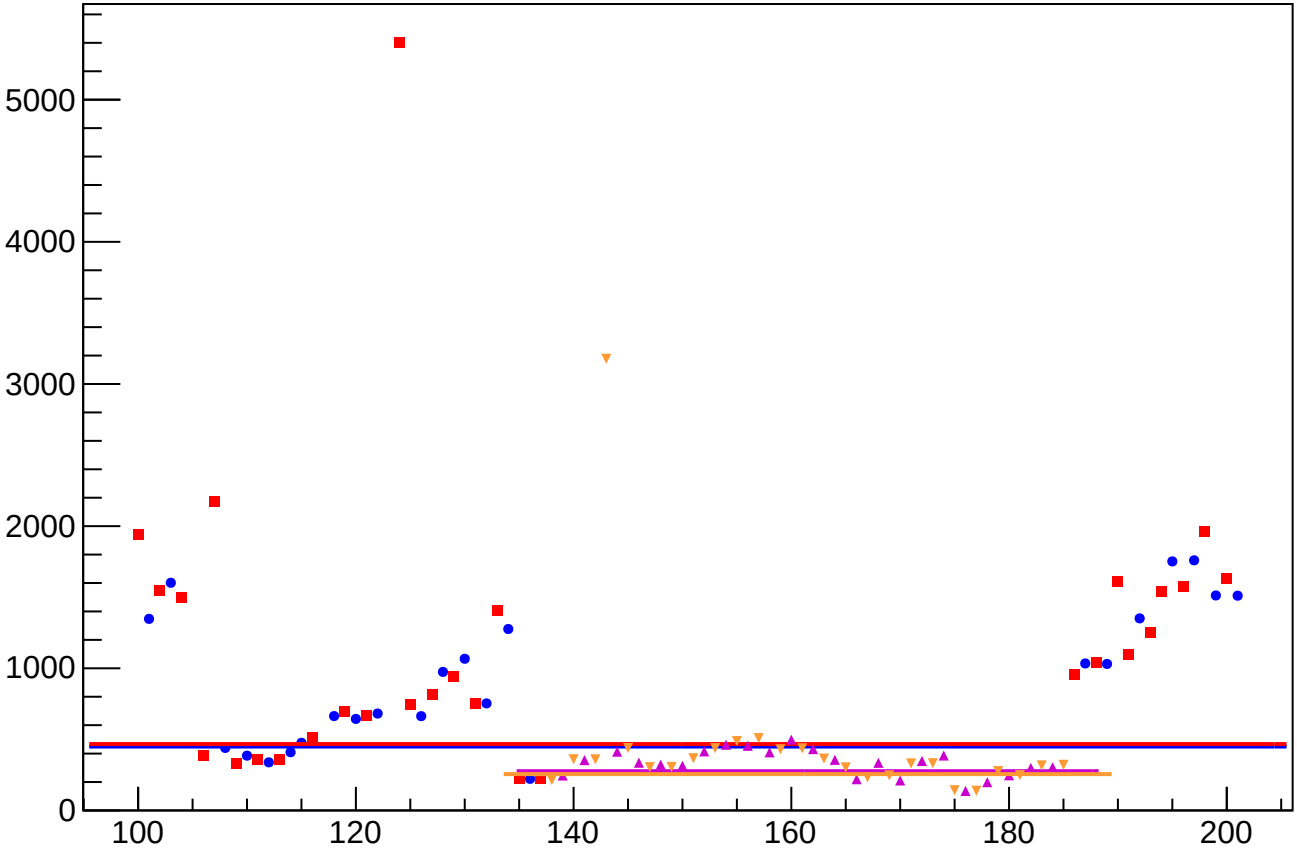
Right: -48.689+/-115.287 χ^2/NDF: 58.1/50

In: 40.723+/-63.486 χ^2/NDF:50.2/45

Out: -102.736+/-59.626 χ^2/NDF:75.7/52

All: -35.501+/-43.463 χ^2/NDF: 128.6/98

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: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

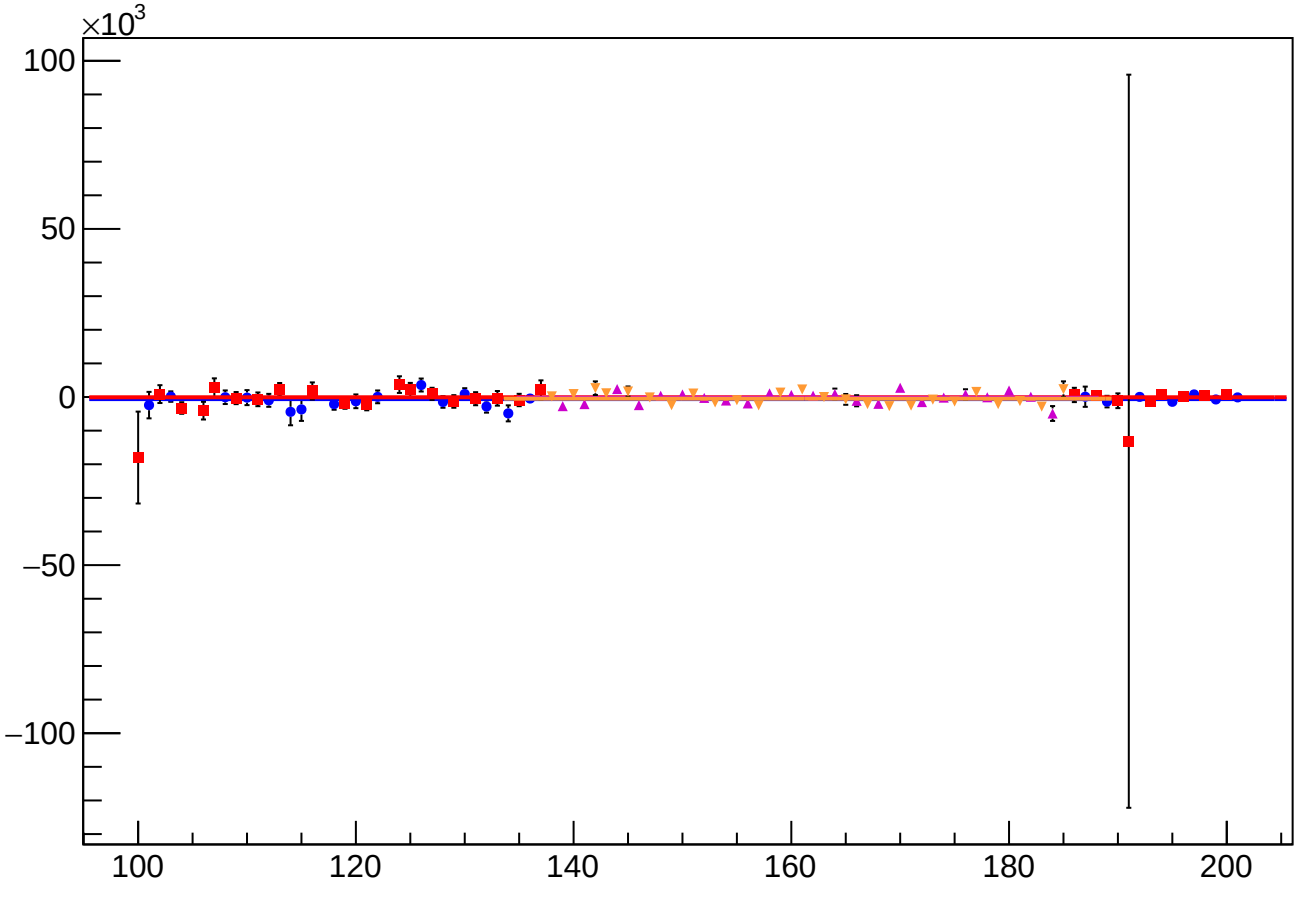
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 458.418+/-0.082 χ^2/NDF: 19954202.6/50

In: 302.214+/-0.045 χ^2/NDF:15410853.1/45

Out: 284.408+/-0.042 χ^2/NDF:19770330.2/52

All: 292.753+/-0.031 χ^2/NDF: 35264776.8/98



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: -77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

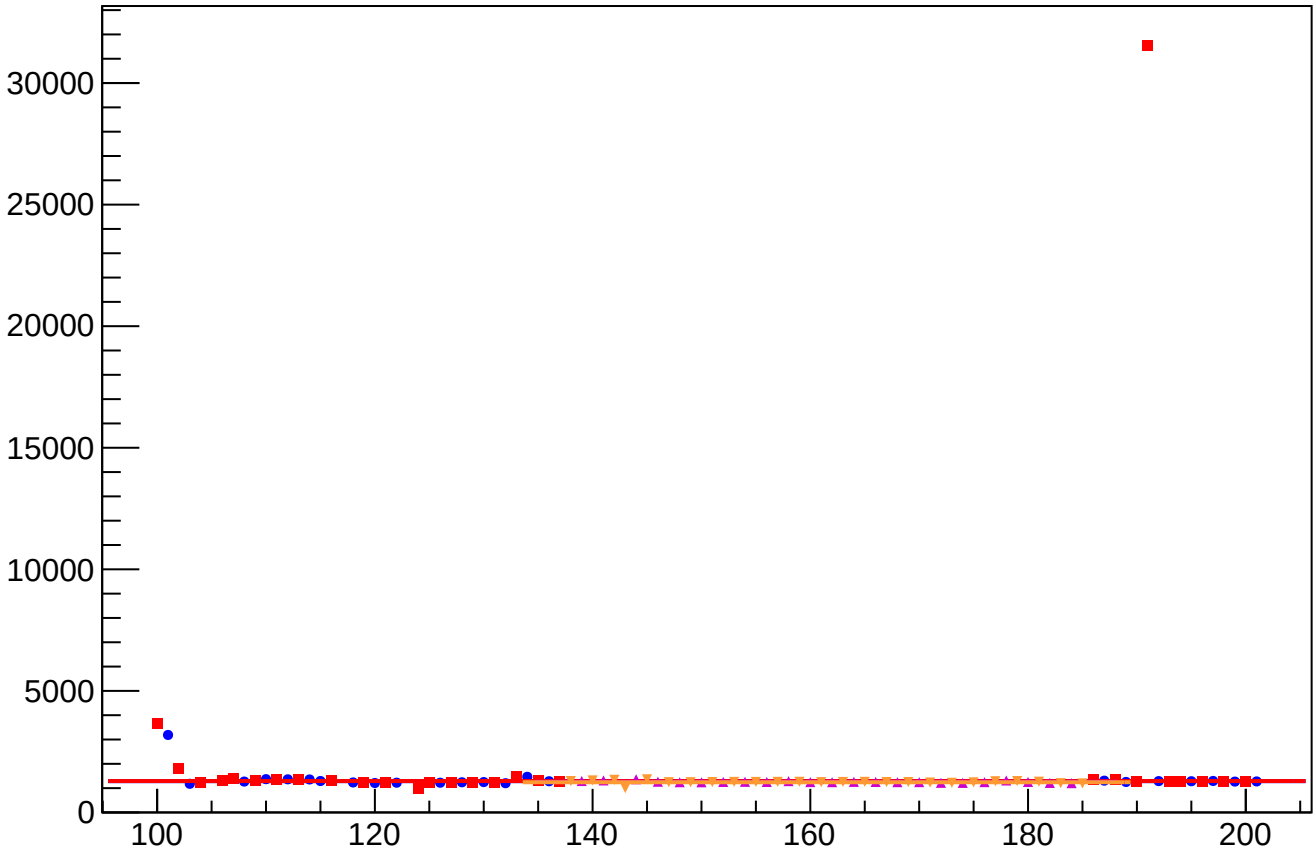
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -335.756+/-257.135 χ^2/NDF: 37.2/50

In: -385.869+/-230.439 χ^2/NDF:46.9/45

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -358.483+/-159.767 χ^2/NDF: 102.5/98



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: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

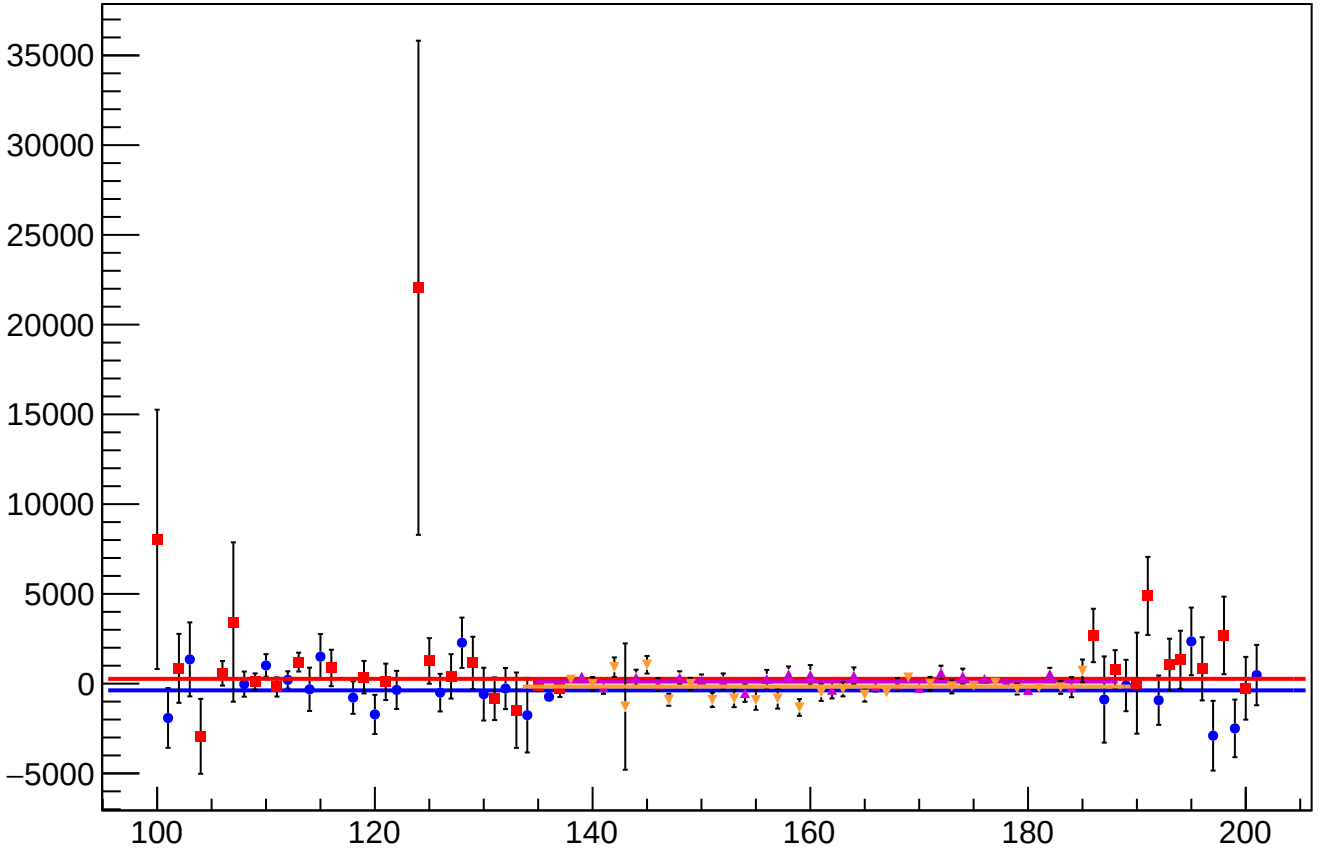
Right: 1289.369+/-0.182 χ^2/NDF: 883649.2/50

In: 1270.563+/-0.163 χ^2/NDF:545467.6/45

Out: 1261.373+/-0.157 χ^2/NDF:525575.7/52

All: 1265.790+/-0.113 χ^2/NDF: 1072695.1/98

asym_atl_avg_atr_avg_dd_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: 268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

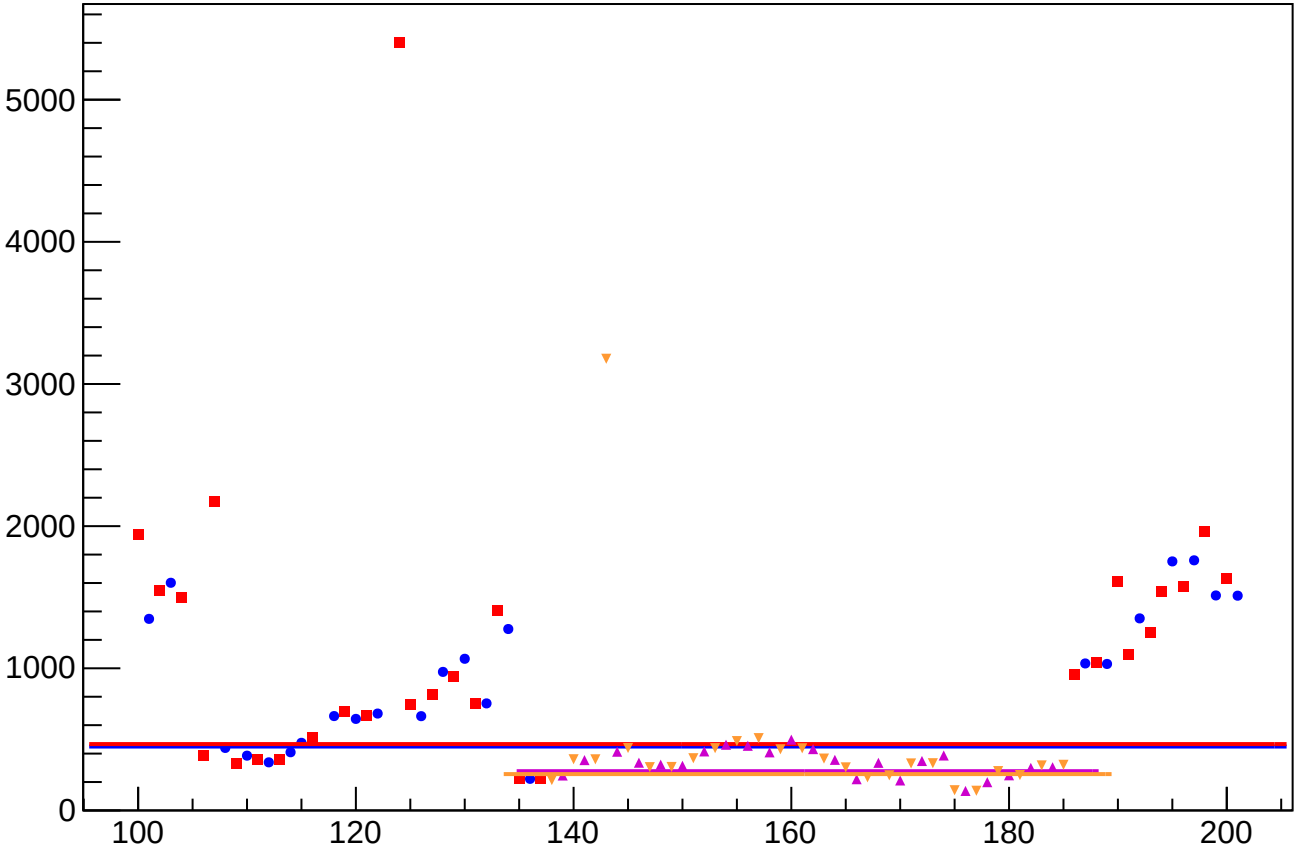
Right: -48.685+/-115.289 χ^2/NDF: 58.1/50

In: 40.724+/-63.487 χ^2/NDF:50.2/45

Out: -102.739+/-59.626 χ^2/NDF:75.7/52

All: -35.502+/-43.463 χ^2/NDF: 128.6/98

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: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

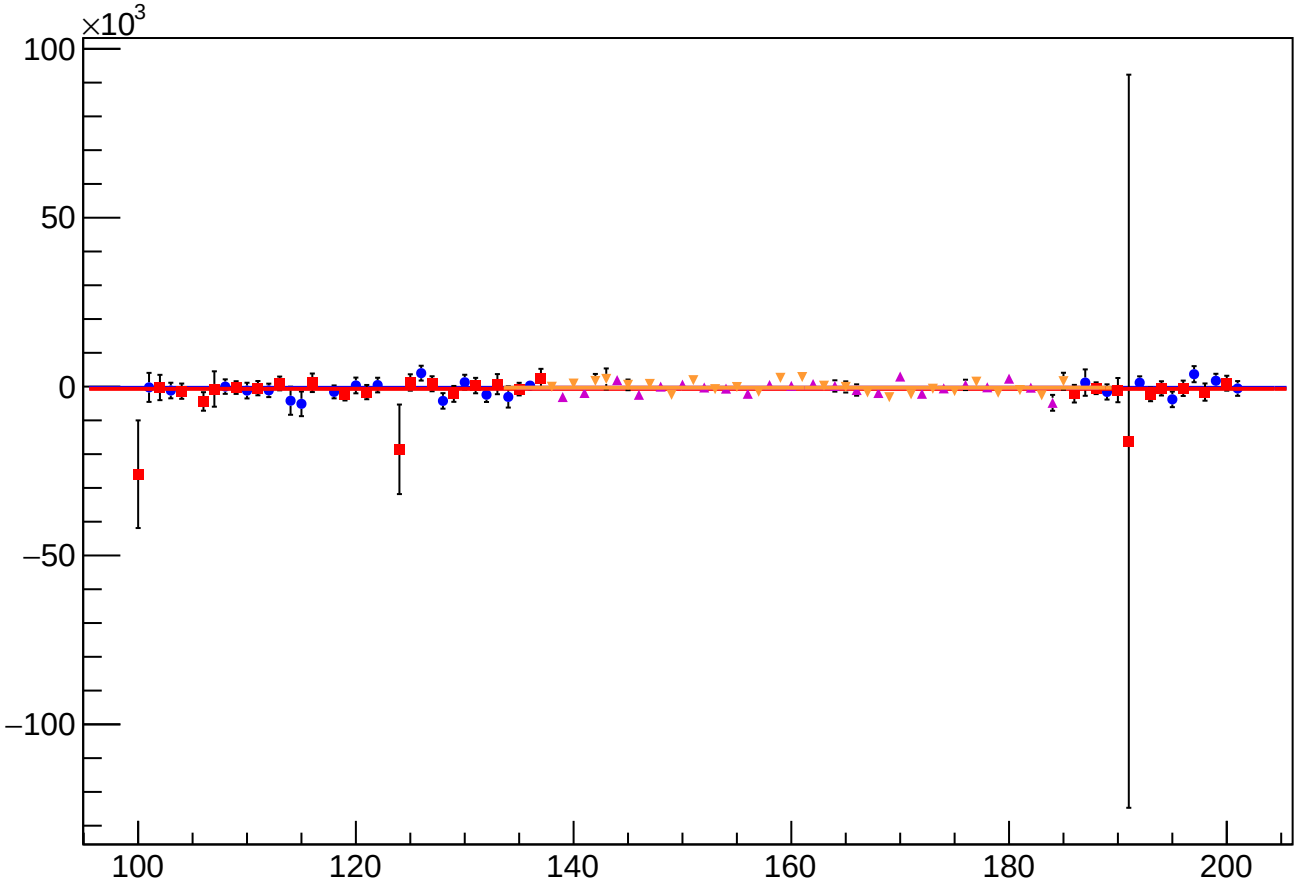
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 458.429+/-0.082 χ^2/NDF: 19953680.2/50

In: 302.215+/-0.045 χ^2/NDF:15410720.5/45

Out: 284.410+/-0.042 χ^2/NDF:19770146.0/52

All: 292.755+/-0.031 χ^2/NDF: 35264455.1/98



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: -668.451+/-461.866 χ^2/NDF: 13.1/27

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

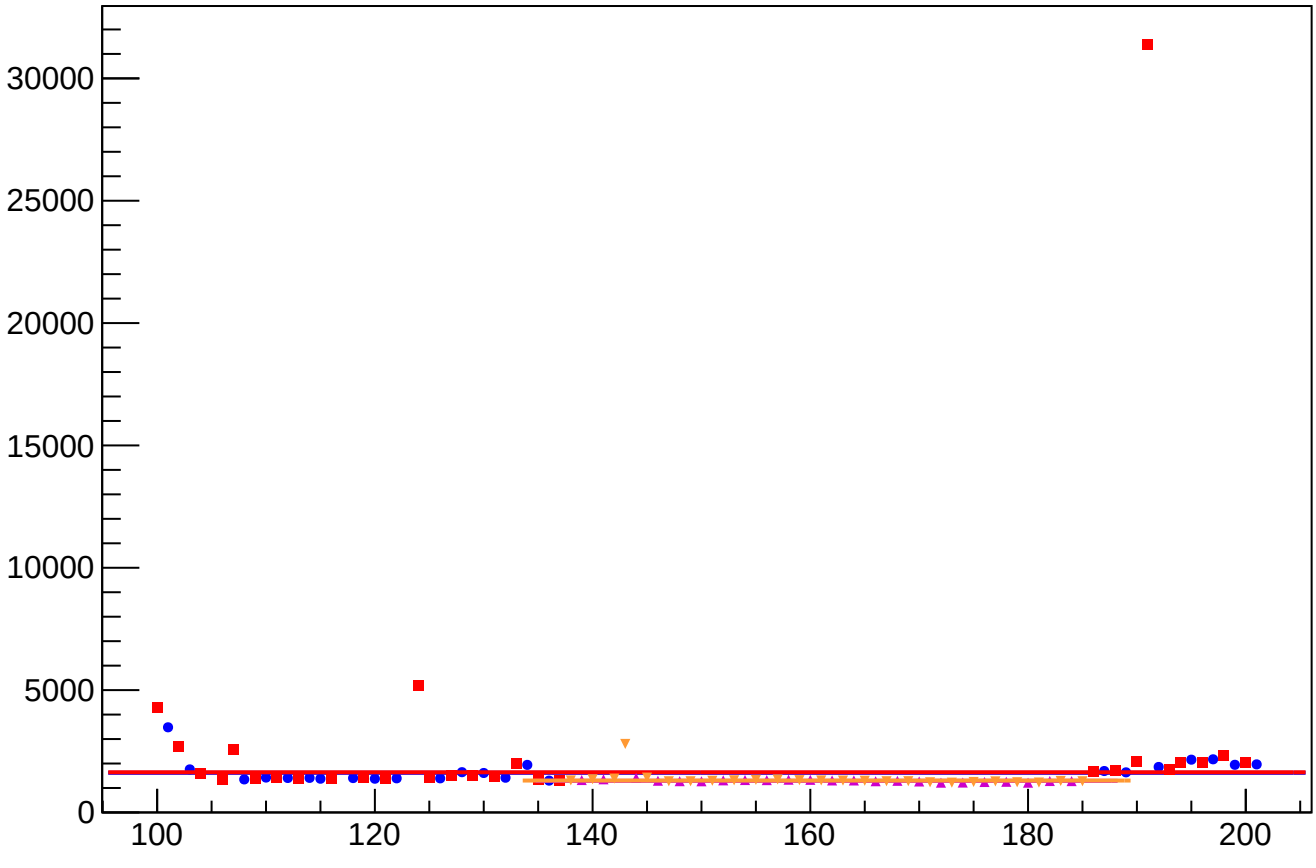
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -525.185+/-330.085 χ^2/NDF: 33.2/50

In: -361.971+/-254.314 χ^2/NDF:49.6/45

Out: -422.372+/-250.563 χ^2/NDF:45.0/52

All: -392.620+/-178.486 χ^2/NDF: 94.6/98



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: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

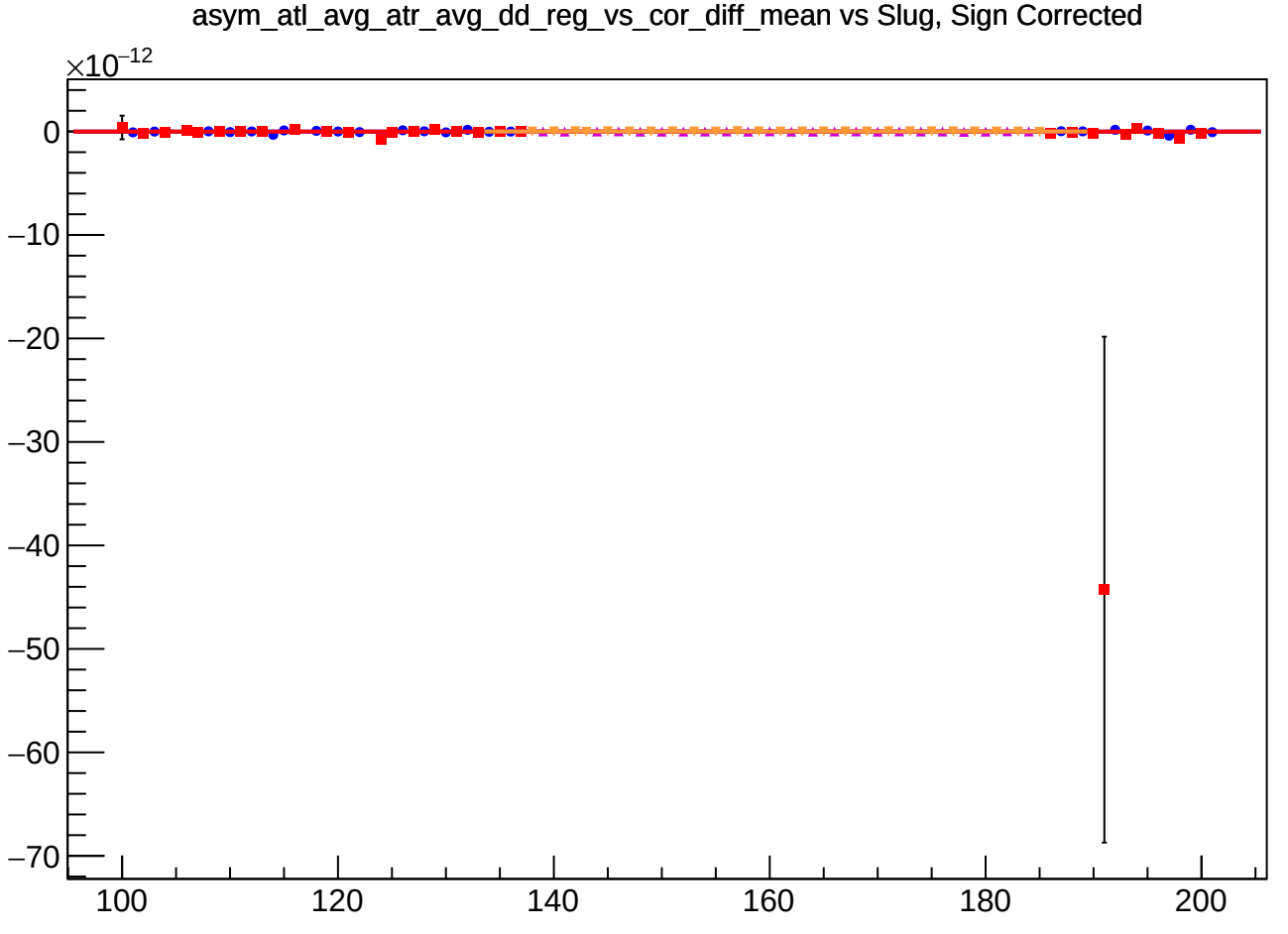
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1631.215+/-0.233 χ^2/NDF: 2347449.9/50

In: 1387.355+/-0.180 χ^2/NDF:1780748.7/45

Out: 1403.562+/-0.177 χ^2/NDF:2572499.3/52

All: 1395.579+/-0.126 χ^2/NDF: 4357369.5/98



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: 35.8/27

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

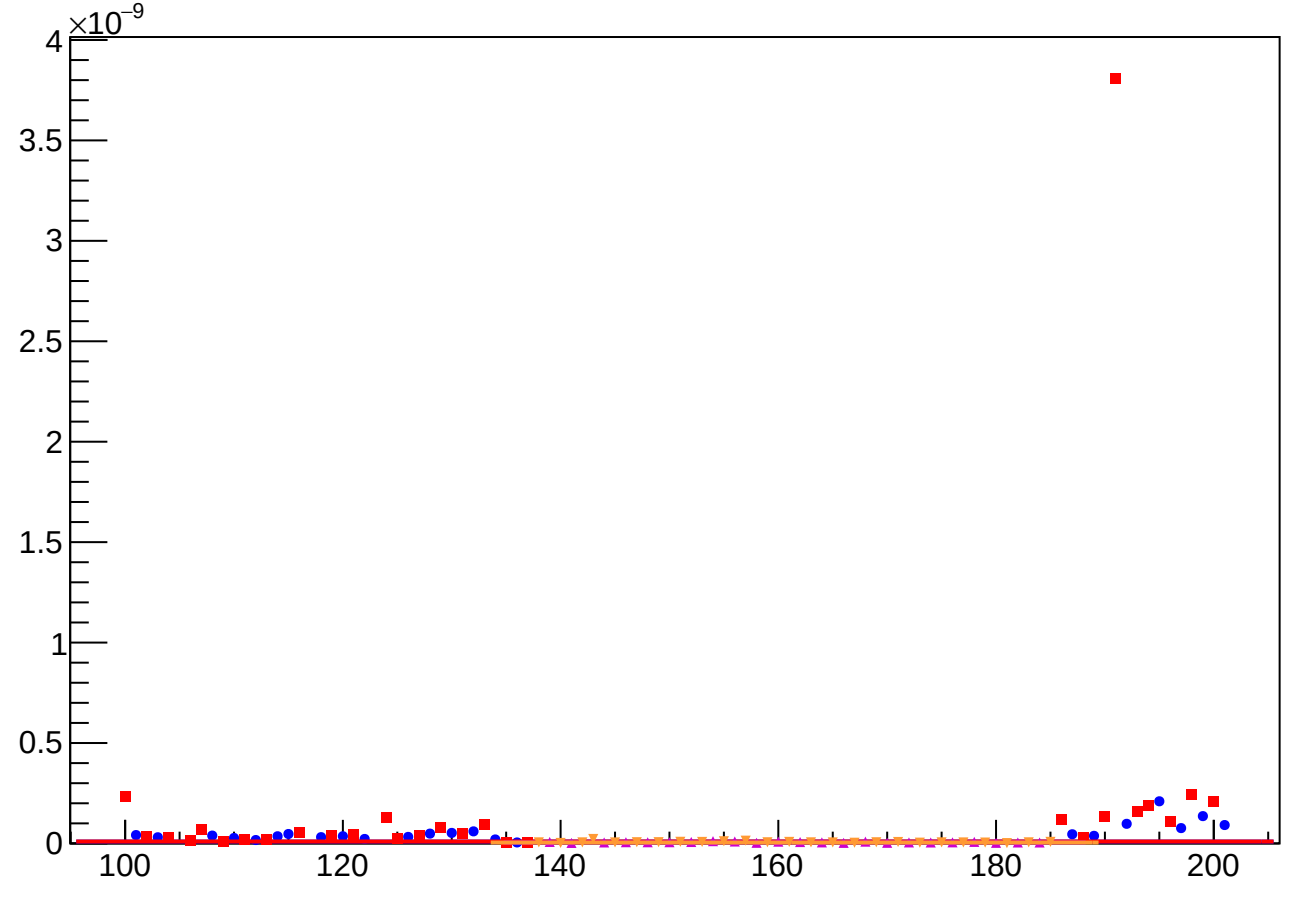
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.6/50

In: -0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:62.9/52

All: -0.000+/-0.000 χ^2/NDF: 110.9/98



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: 7795004.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

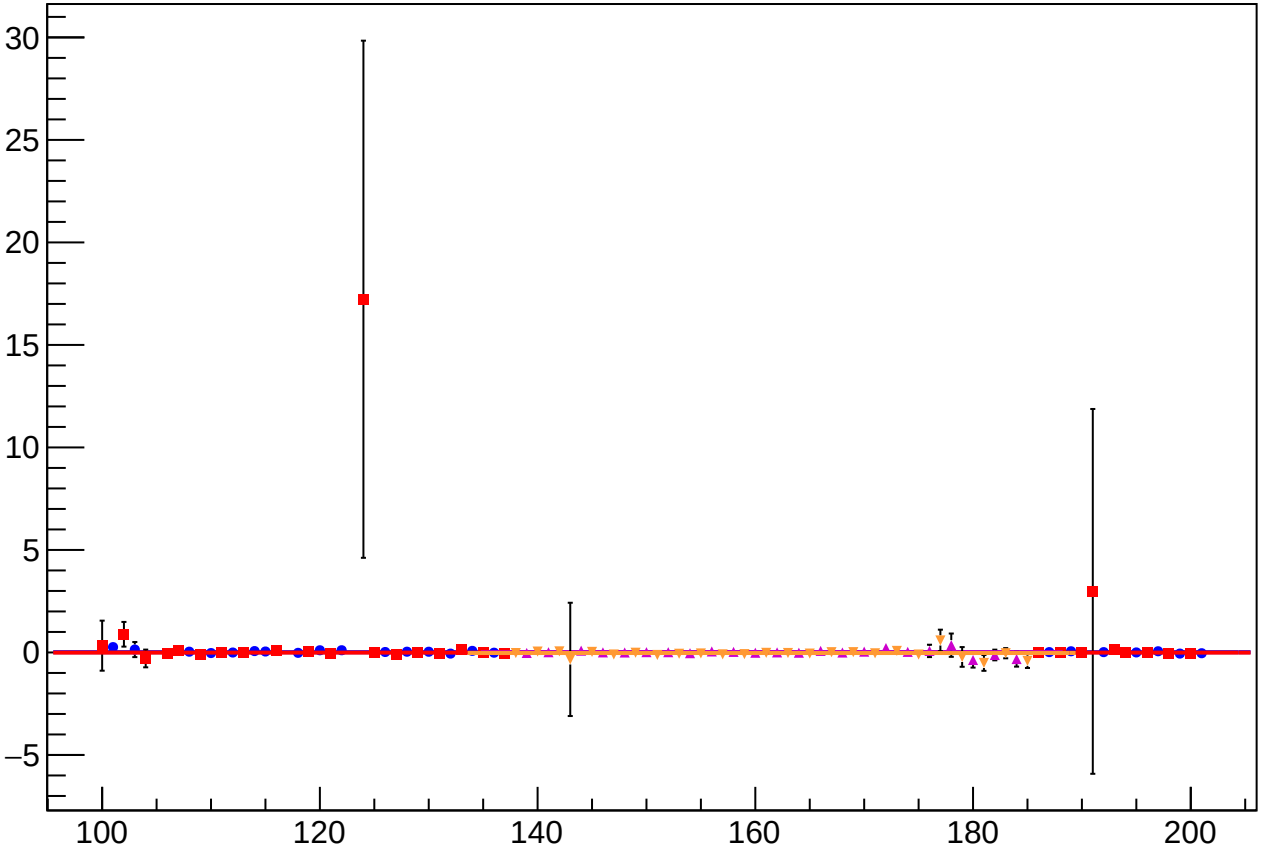
Right: 0.000+/-0.000 χ^2/NDF: 13560993.9/50

In: 0.000+/-0.000 χ^2/NDF:8322126.7/45

Out: 0.000+/-0.000 χ^2/NDF:11332367.6/52

All: 0.000+/-0.000 χ^2/NDF: 19681629.8/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

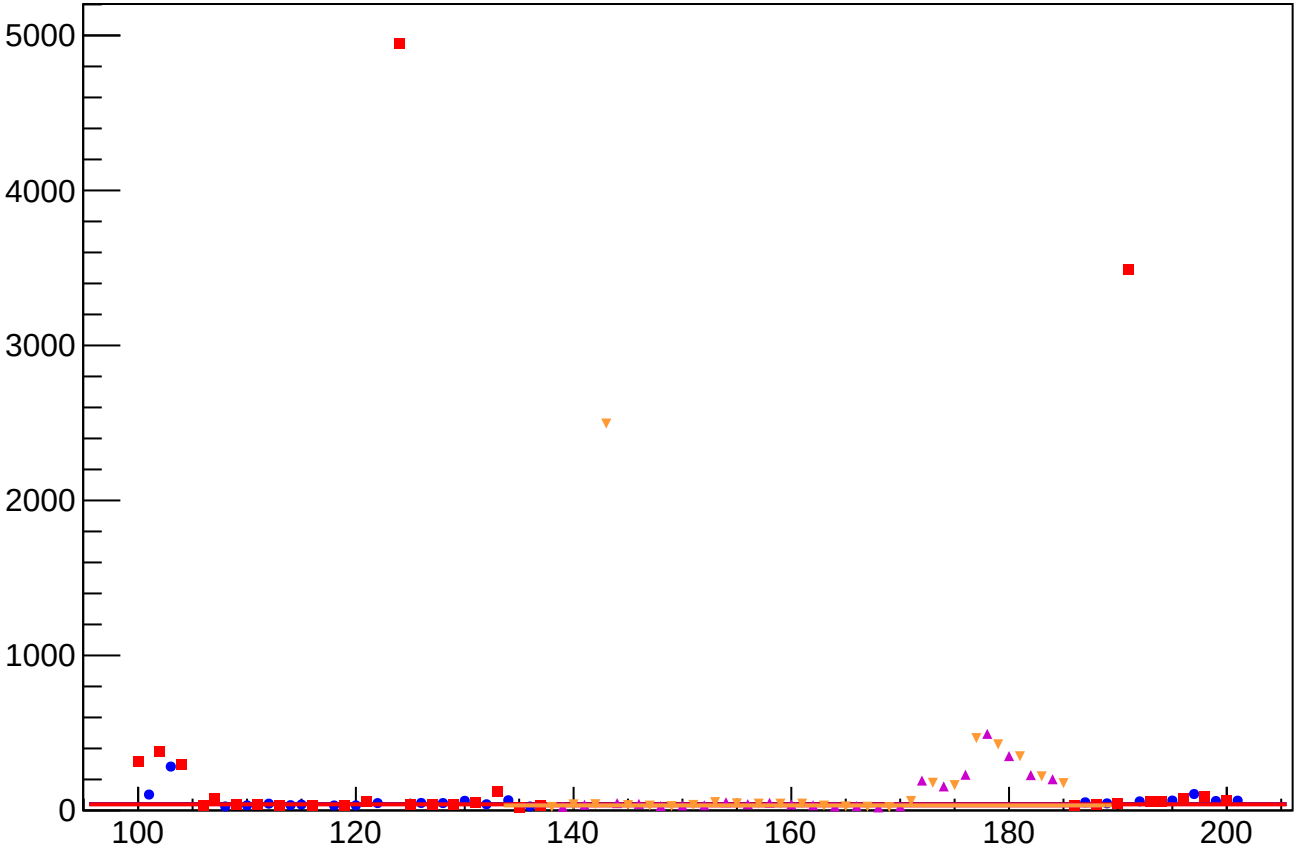
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

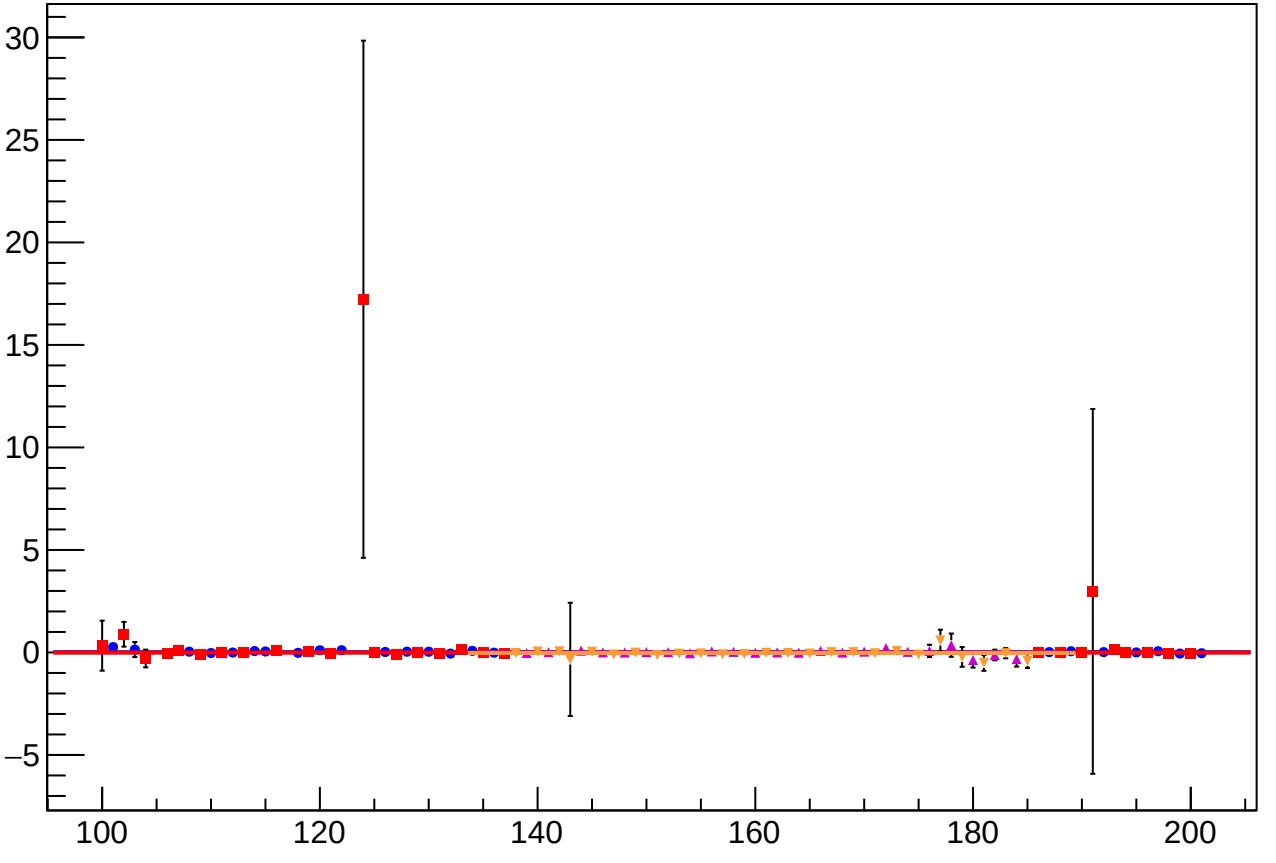
Right: 40.284+/-0.007 χ^2/NDF: 8789423.2/50

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

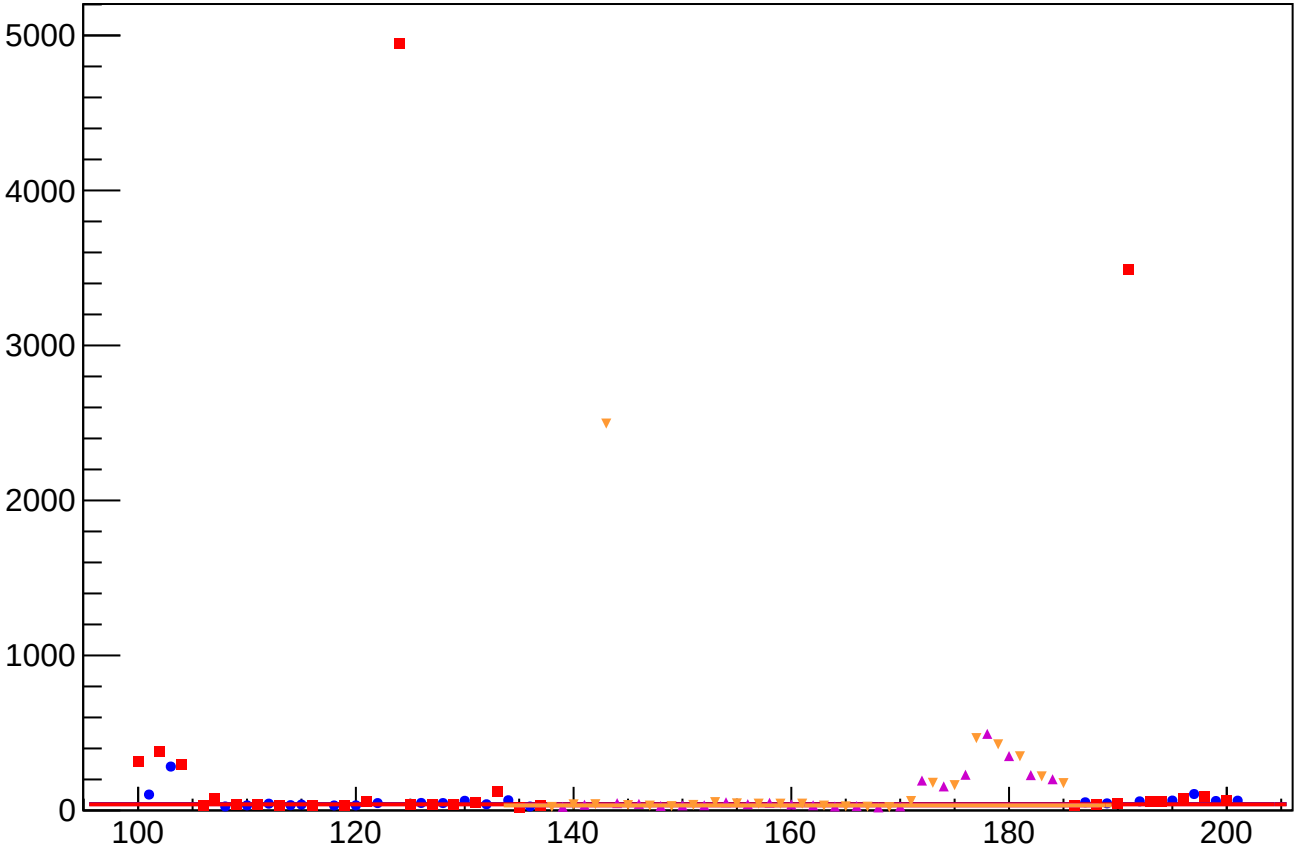
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

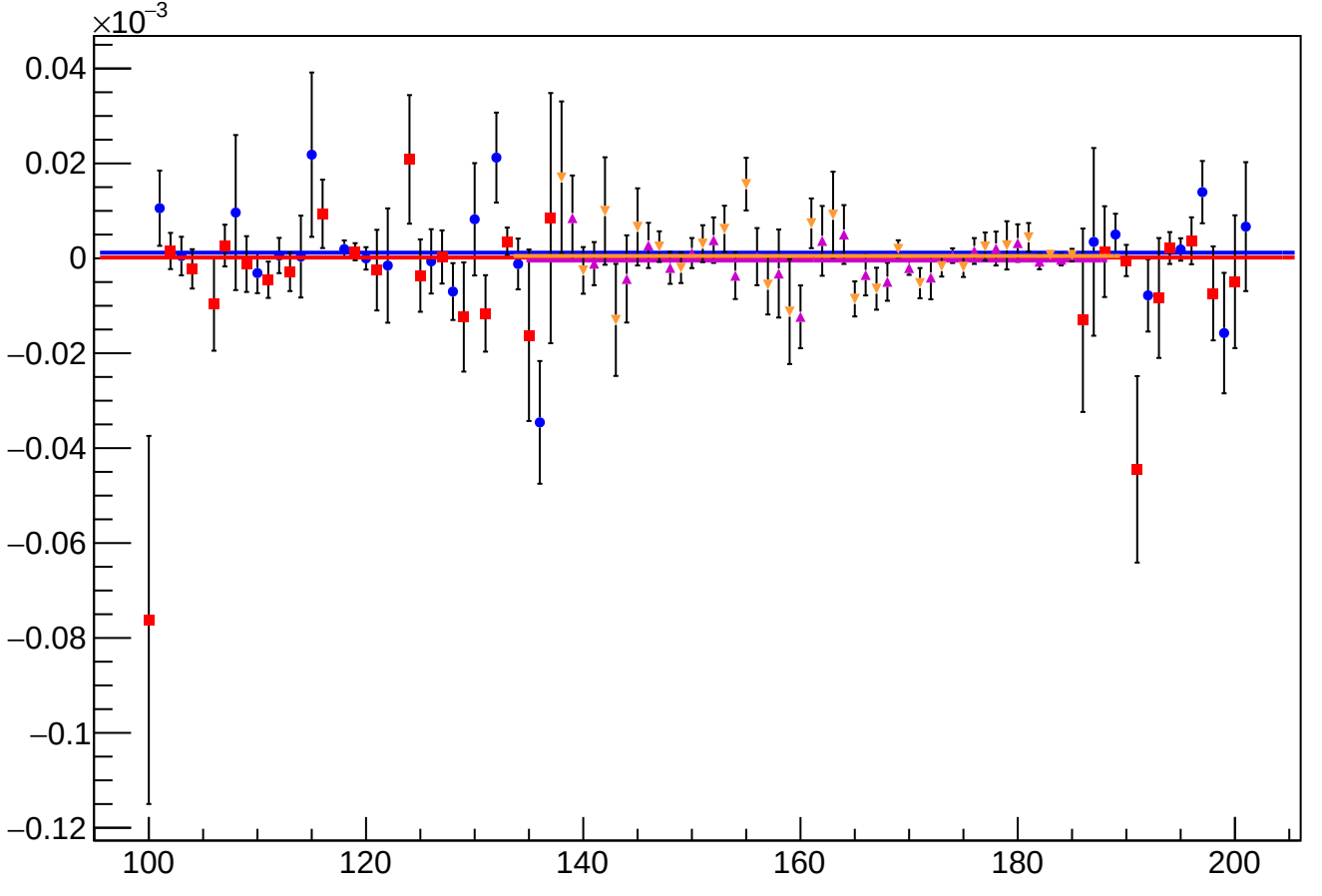
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.284+/-0.007 χ^2/NDF: 8789423.2/50

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98



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: 25.8/27

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

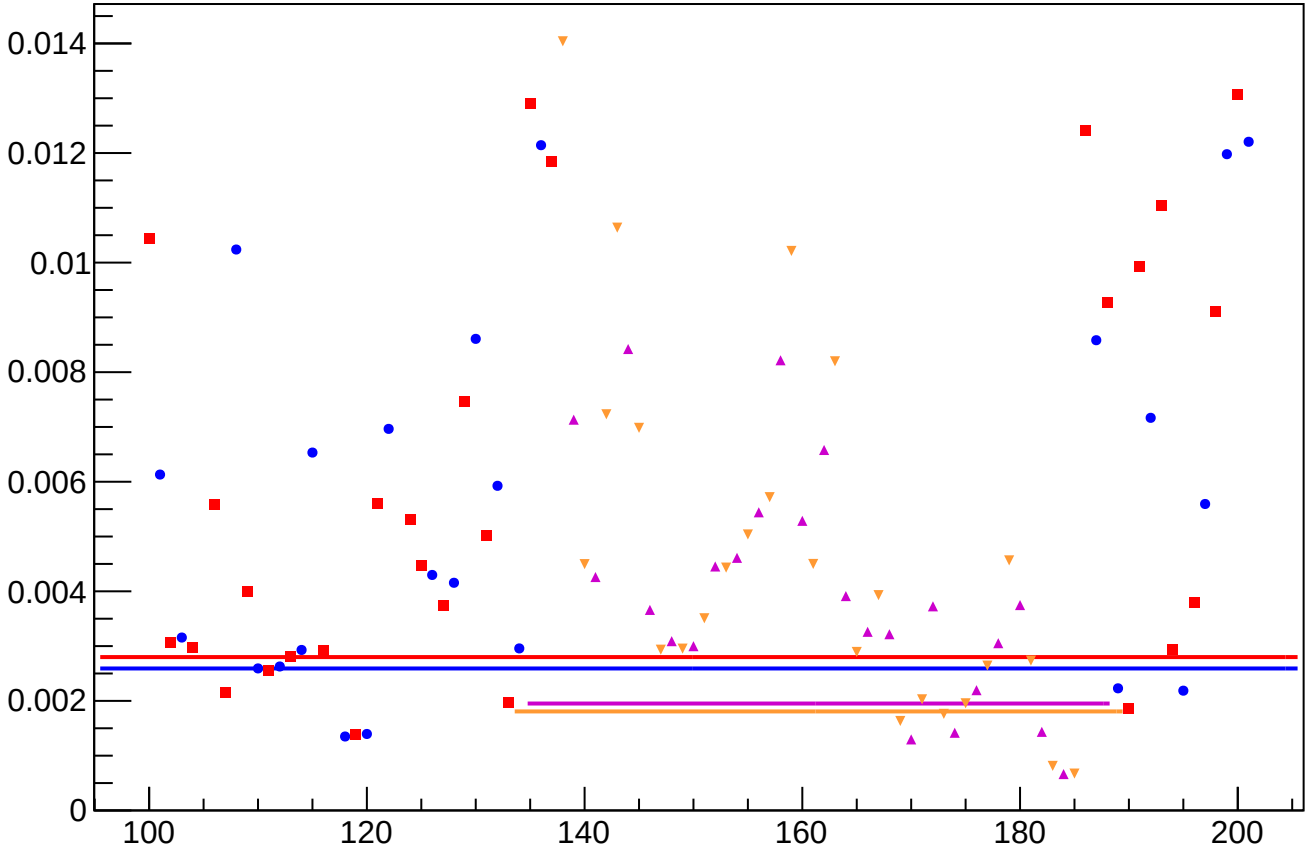
Right: 0.000+/-0.000 χ^2/NDF: 53.6/50

In: -0.000+/-0.000 χ^2/NDF:43.1/45

Out: 0.000+/-0.000 χ^2/NDF:61.6/52

All: 0.000+/-0.000 χ^2/NDF: 105.1/98

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8199659.4/27

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

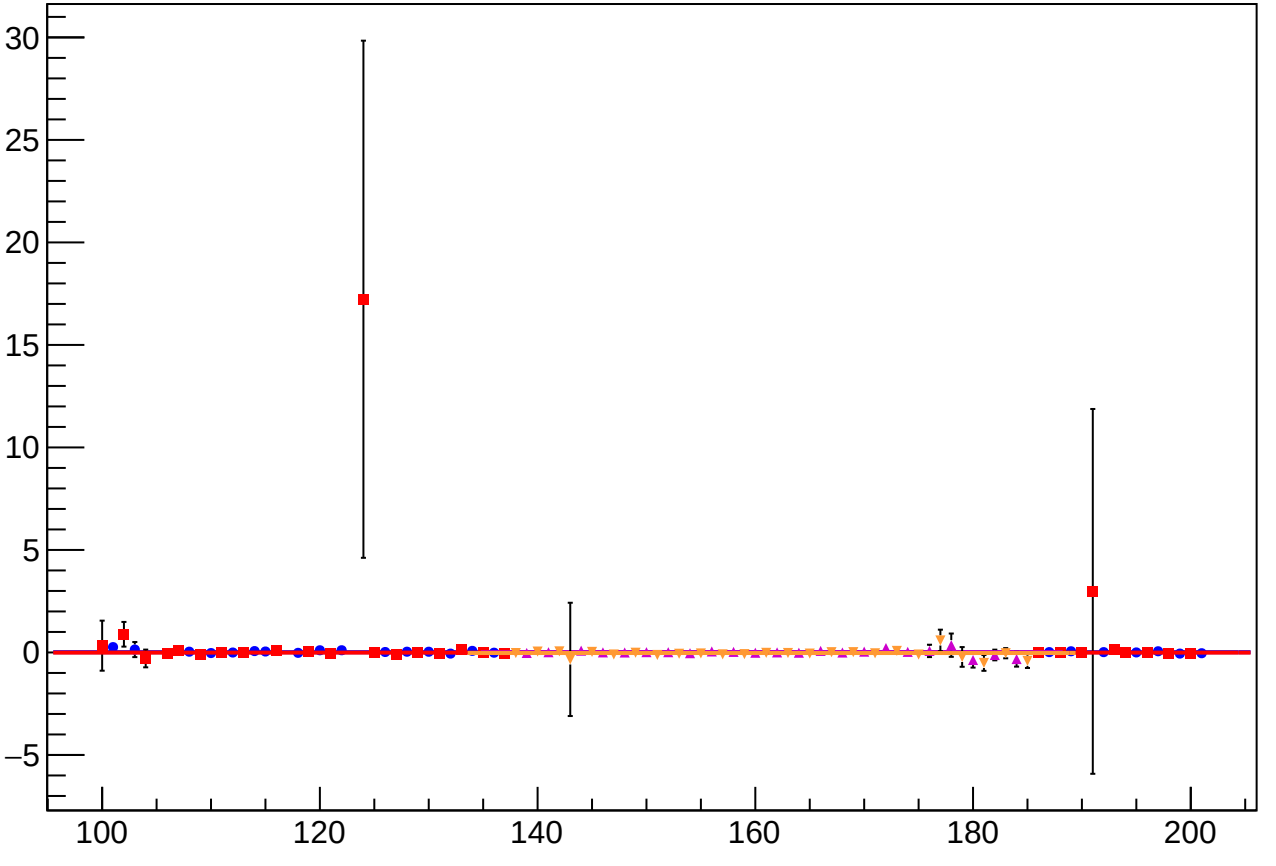
Right: 0.003+/-0.000 χ^2/NDF: 16540510.7/50

In: 0.002+/-0.000 χ^2/NDF:20424434.1/45

Out: 0.002+/-0.000 χ^2/NDF:24817116.0/52

All: 0.002+/-0.000 χ^2/NDF: 45261350.9/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

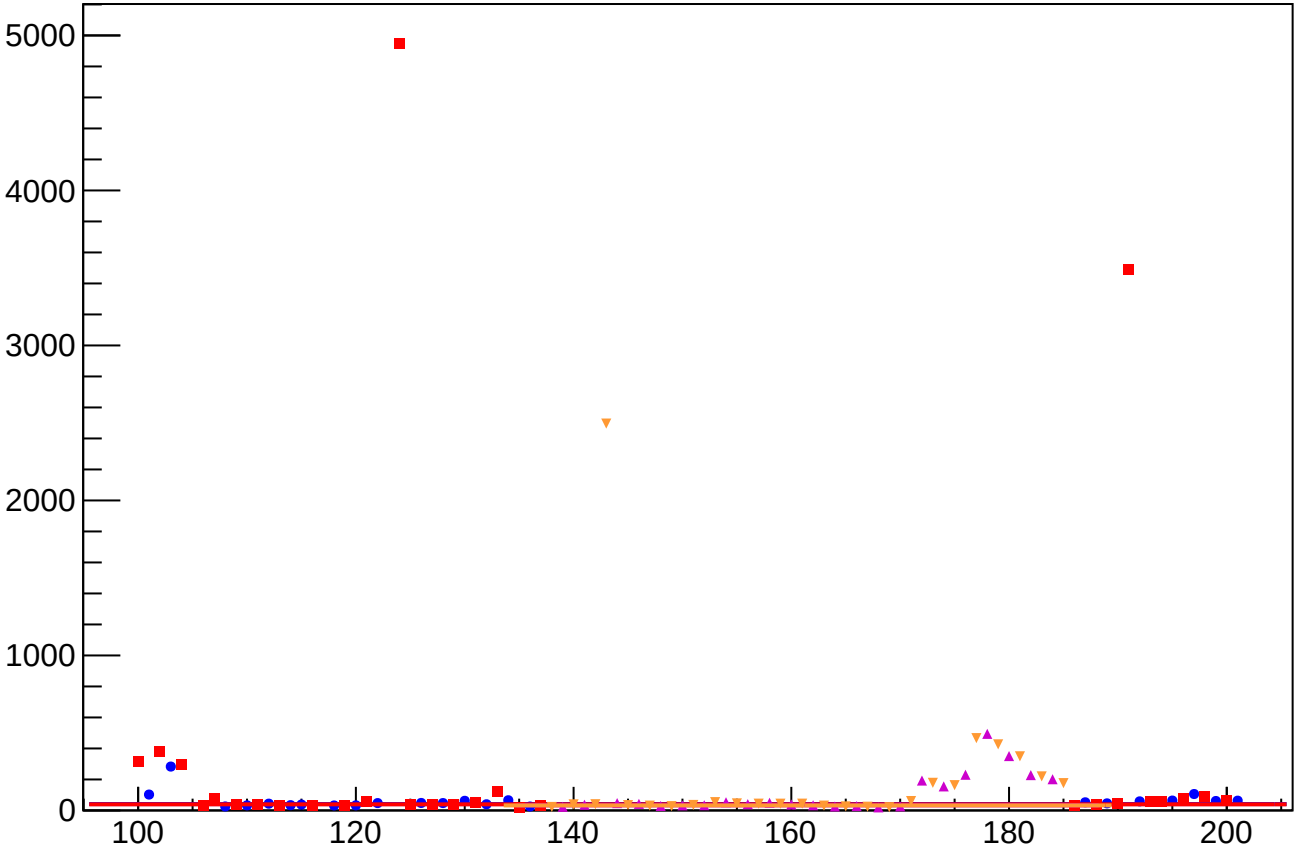
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

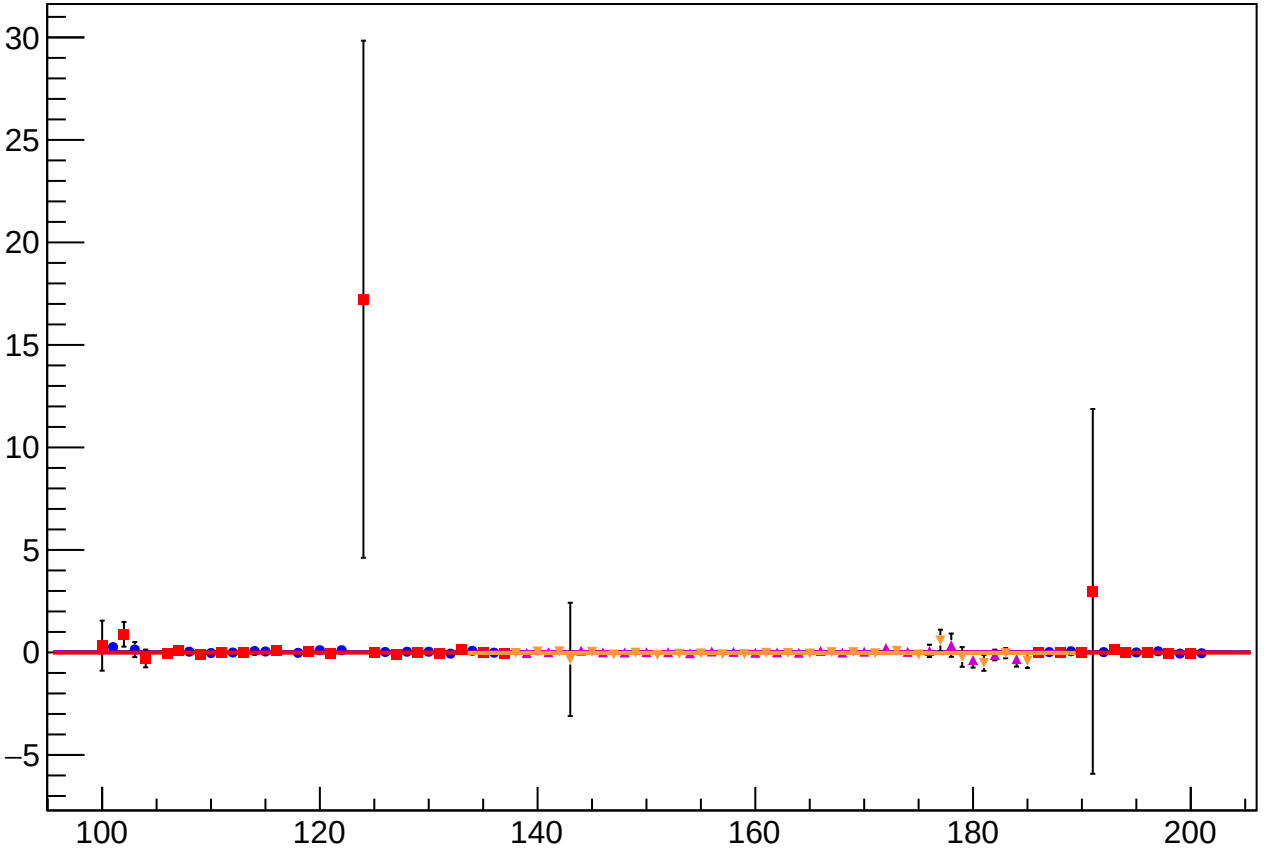
Right: 40.285+/-0.007 χ^2/NDF: 8788783.8/50

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

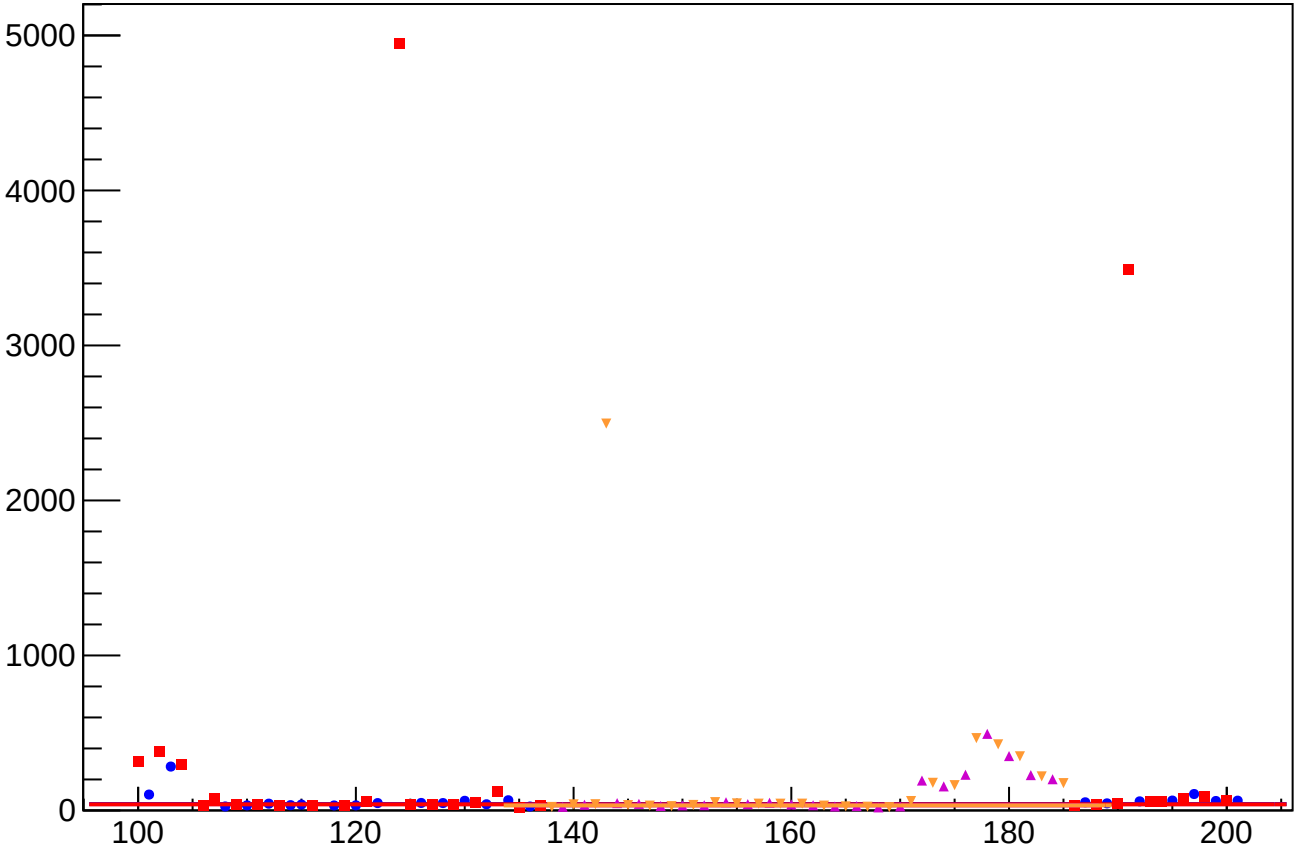
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

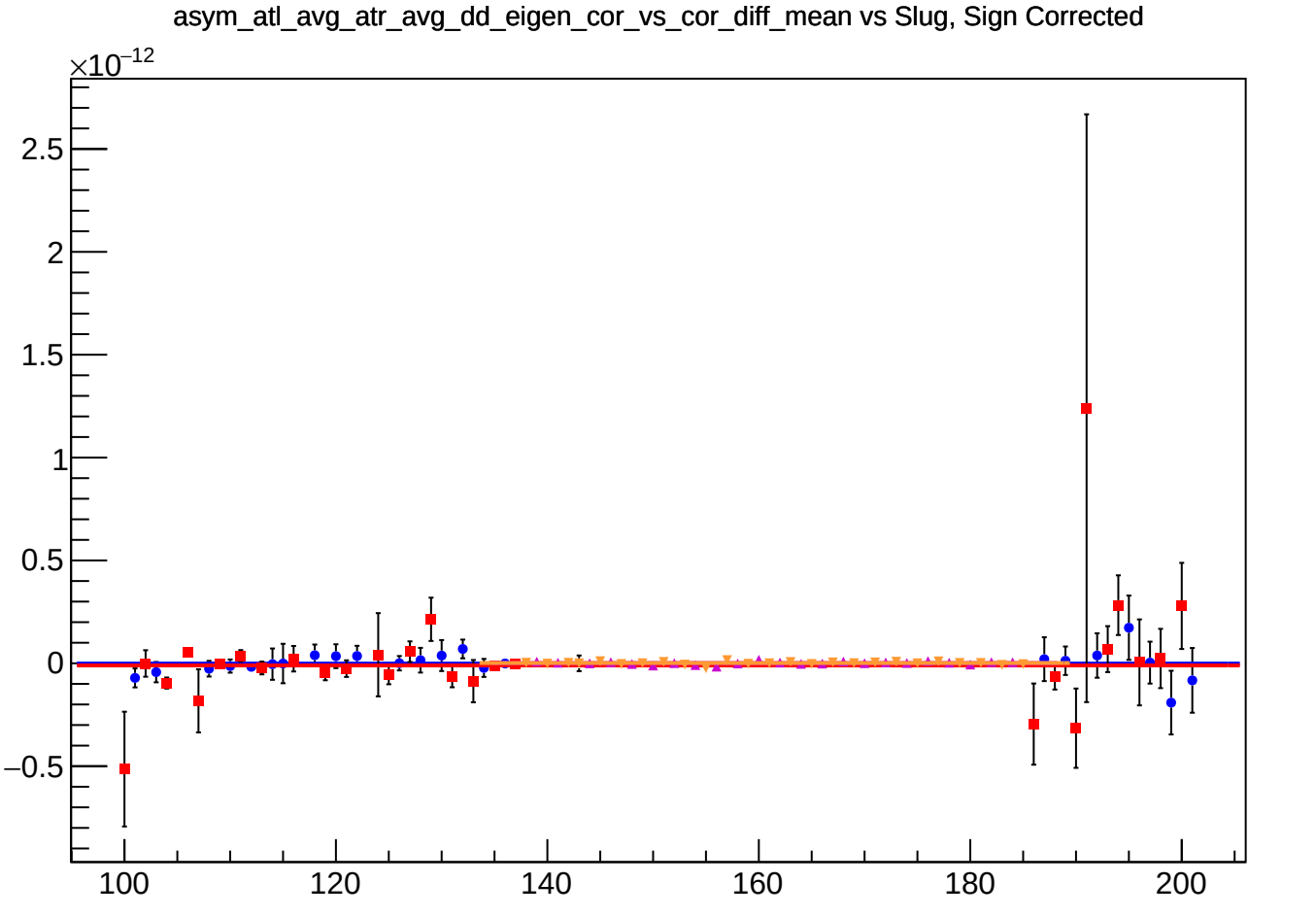
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

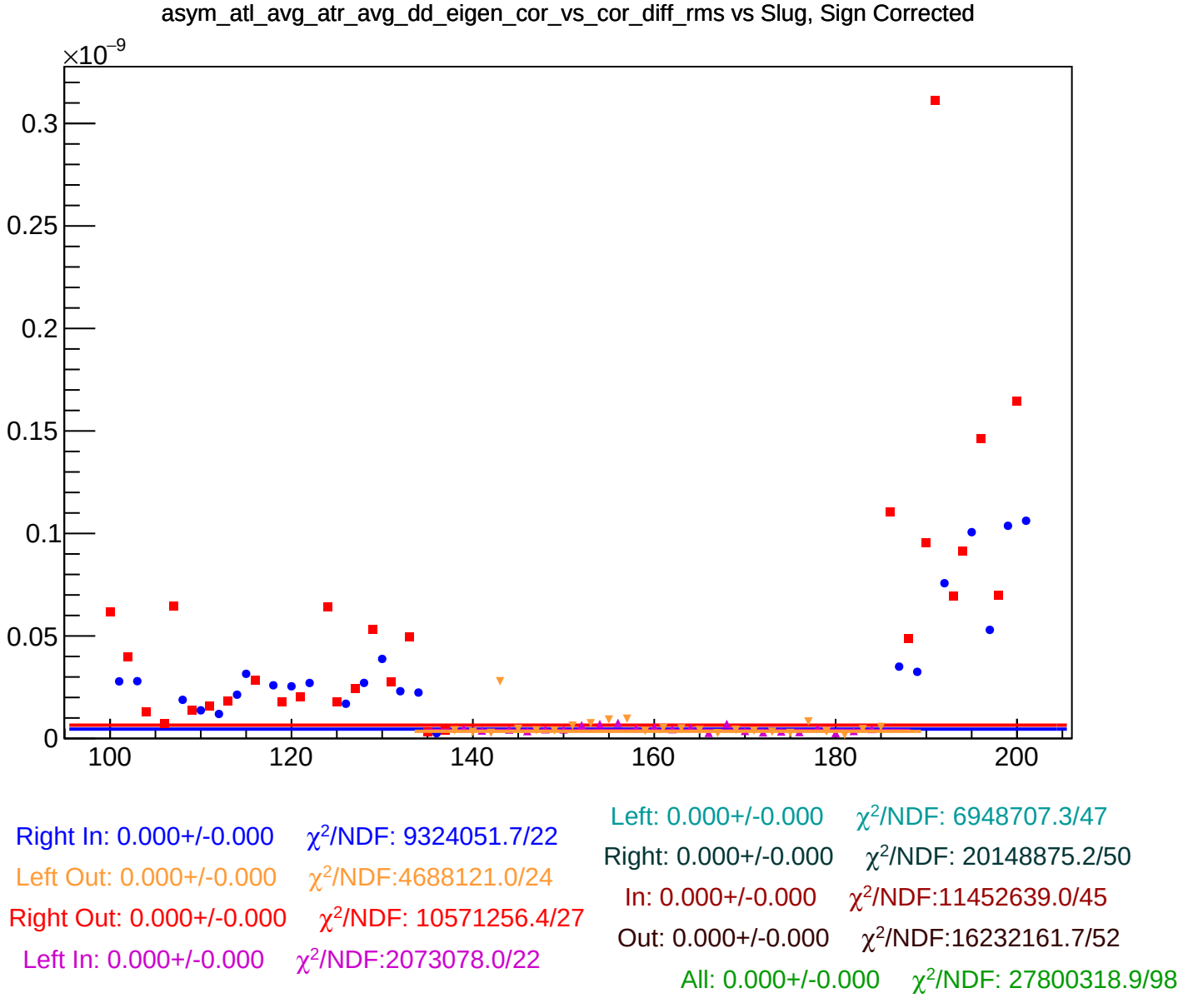
Right: 40.285+/-0.007 χ^2/NDF: 8788783.8/50

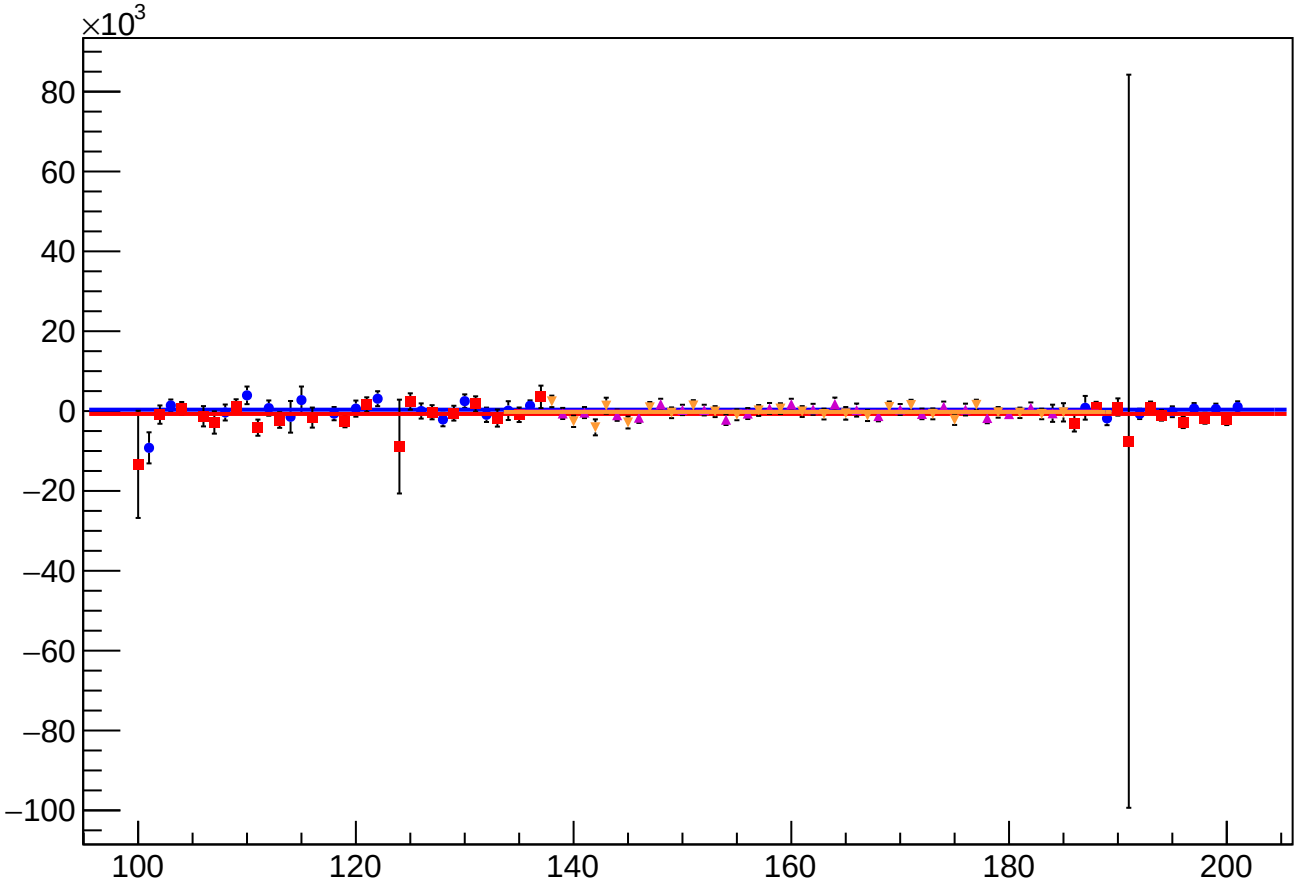
In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.9/22
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 52.4/27
Left In: 0.000+/-0.000 χ²/NDF:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.8/47
Right: -0.000+/-0.000 χ²/NDF: 67.1/50
In: 0.000+/-0.000 χ²/NDF:41.0/45
Out: 0.000+/-0.000 χ²/NDF:78.1/52
All: 0.000+/-0.000 χ²/NDF: 119.1/98


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9324051.7/22
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 10571256.4/27
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 20148875.2/50
In: 0.000+/-0.000 χ²/NDF:11452639.0/45
Out: 0.000+/-0.000 χ²/NDF:16232161.7/52
All: 0.000+/-0.000 χ²/NDF: 27800318.9/98



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: -721.763+/-354.369 χ^2/NDF: 26.0/27

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

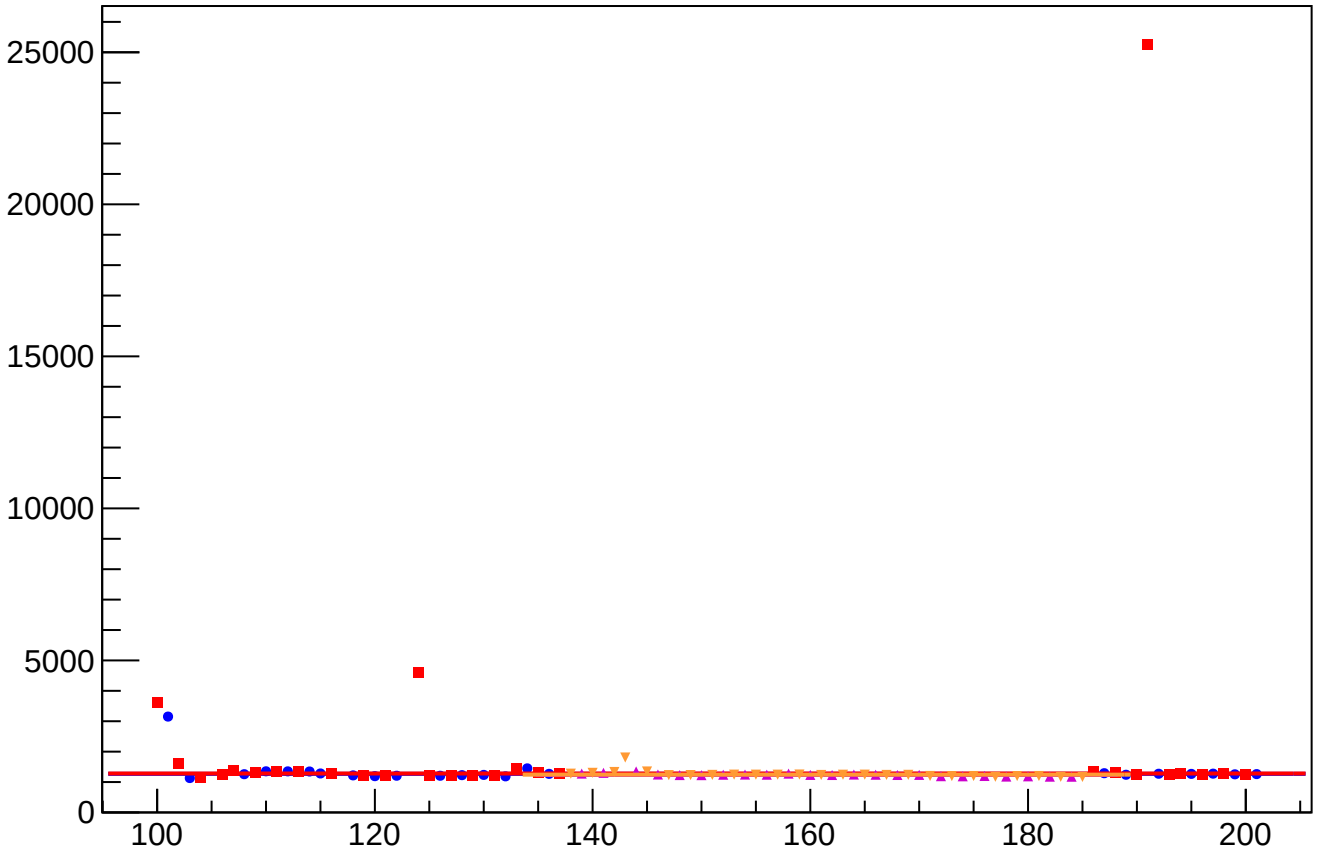
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -202.185+/-254.353 χ^2/NDF: 50.5/50

In: 77.312+/-226.270 χ^2/NDF:35.7/45

Out: -415.879+/-221.163 χ^2/NDF:51.1/52

All: -174.913+/-158.160 χ^2/NDF: 89.2/98



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: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

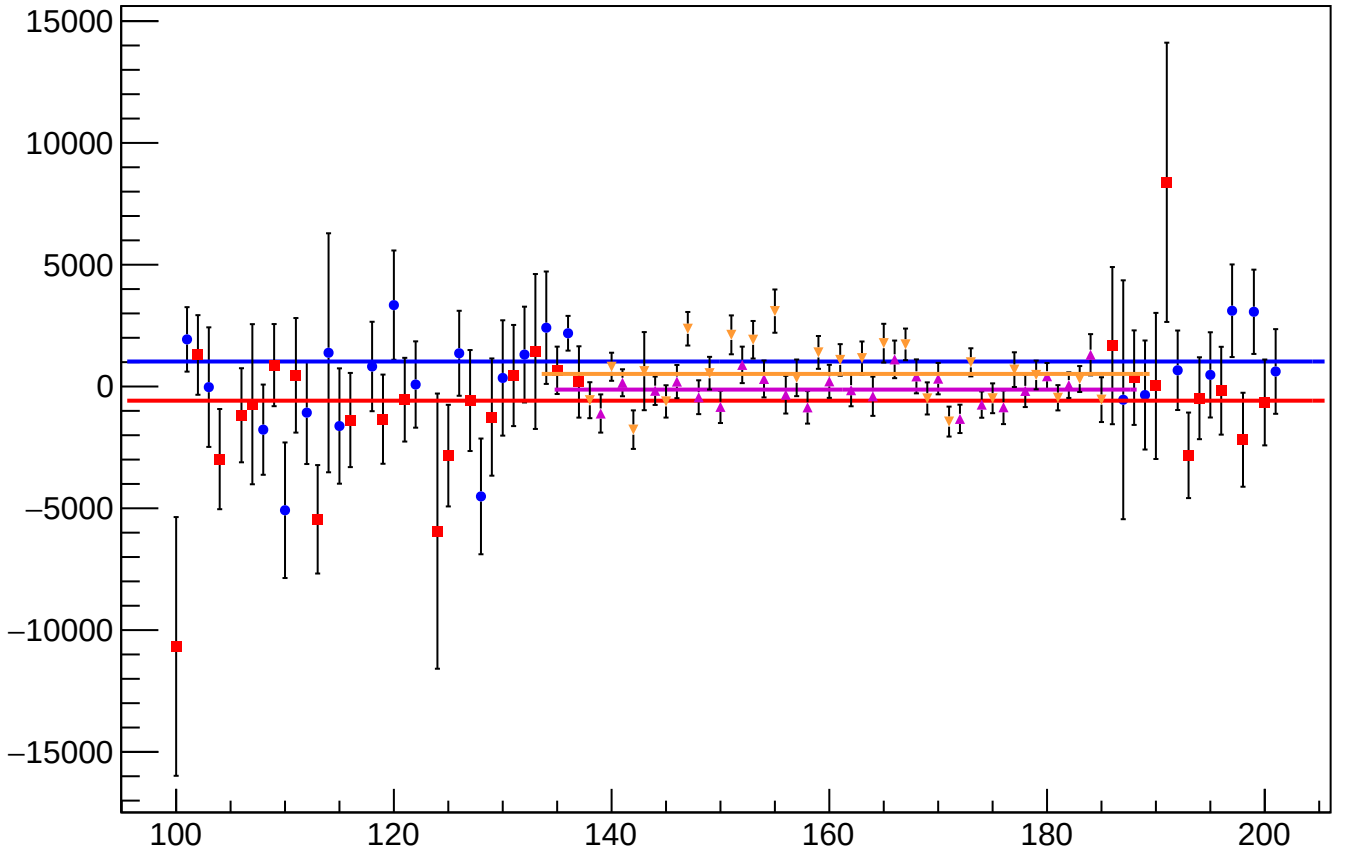
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1275.359+/-0.180 χ^2/NDF: 990674.4/50

In: 1247.376+/-0.160 χ^2/NDF:571433.5/45

Out: 1257.731+/-0.156 χ^2/NDF:686629.4/52

All: 1252.672+/-0.112 χ^2/NDF: 1260205.1/98



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: -581.728+/-371.456 χ^2/NDF: 22.8/27

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

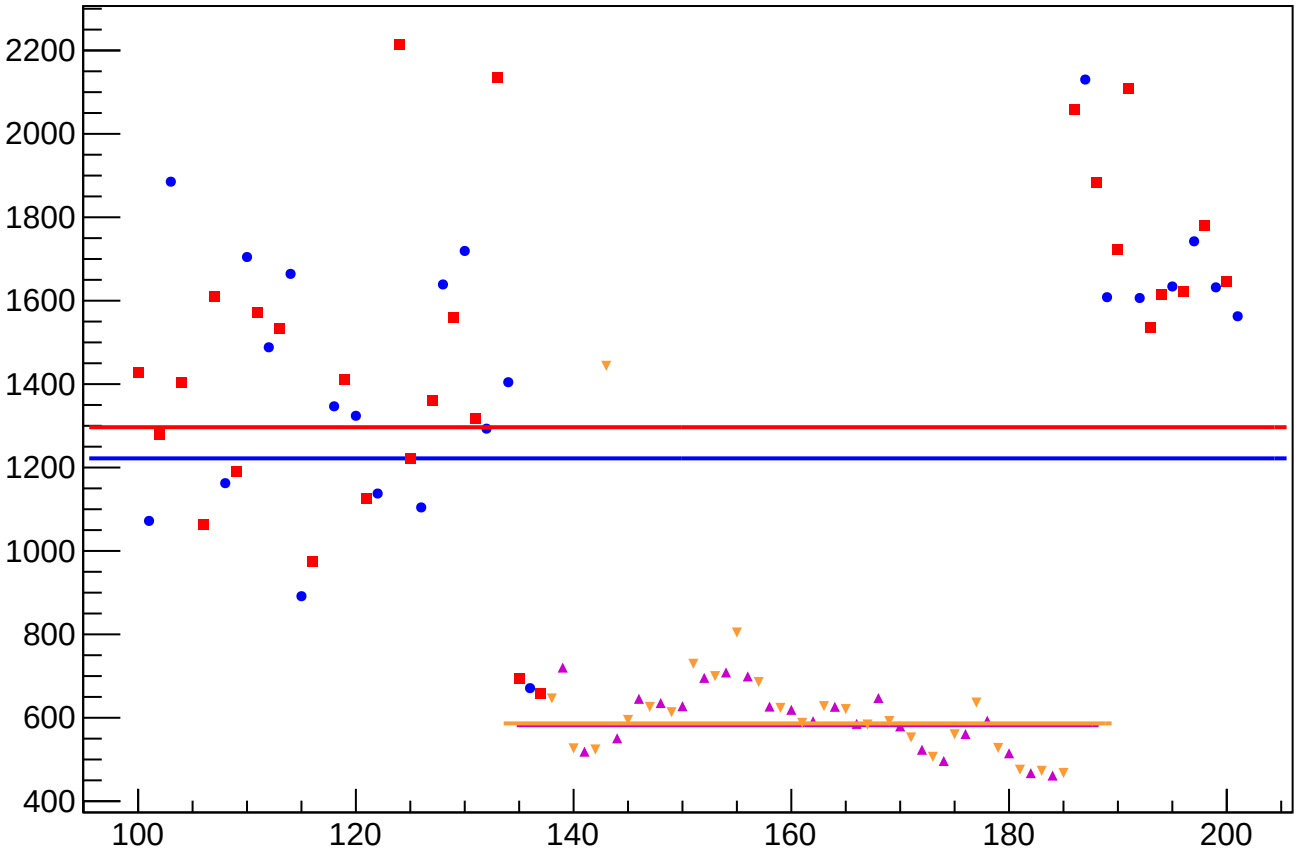
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 230.828+/-261.289 χ^2/NDF: 55.5/50

In: 14.547+/-128.594 χ^2/NDF:53.4/45

Out: 387.370+/-127.499 χ^2/NDF:97.5/52

All: 202.552+/-90.540 χ^2/NDF: 155.2/98



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: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

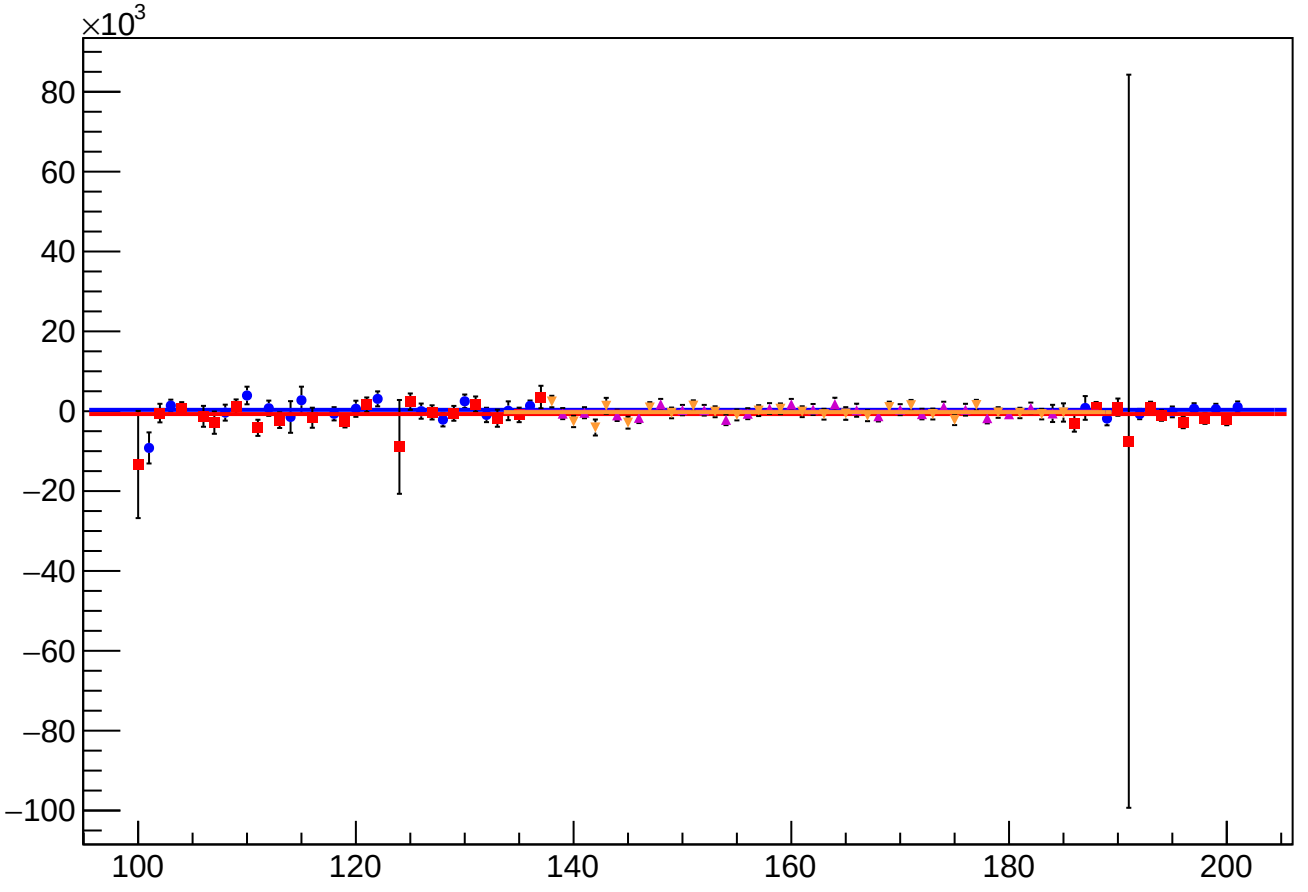
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1258.926+/-0.185 χ^2/NDF: 4754274.0/50

In: 660.478+/-0.091 χ^2/NDF:8272300.7/45

Out: 670.218+/-0.090 χ^2/NDF:9967679.8/52

All: 665.390+/-0.064 χ^2/NDF: 18245767.4/98



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: -711.006+/-354.696 χ^2/NDF: 26.0/27

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

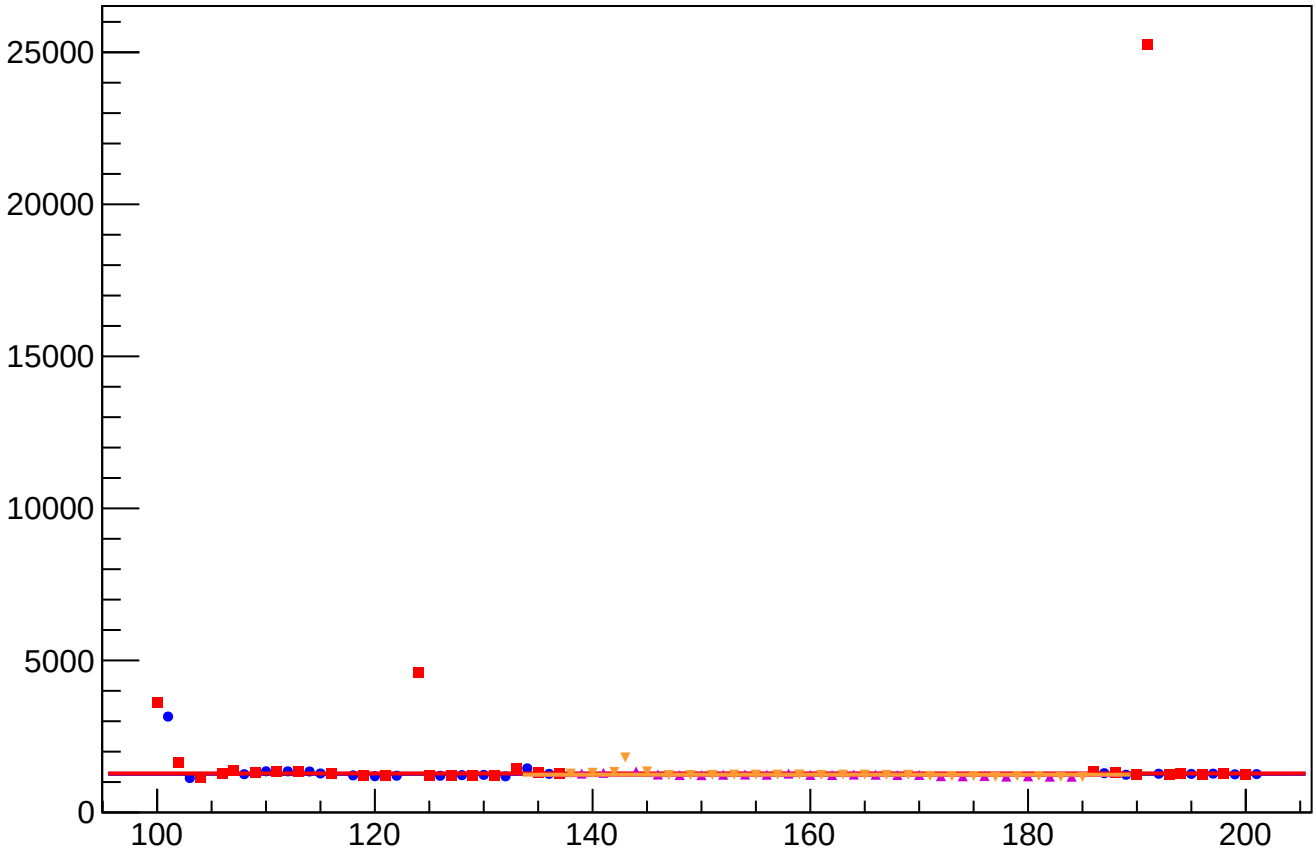
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -196.038+/-254.474 χ^2/NDF: 50.4/50

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -172.559+/-158.189 χ^2/NDF: 89.1/98



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: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

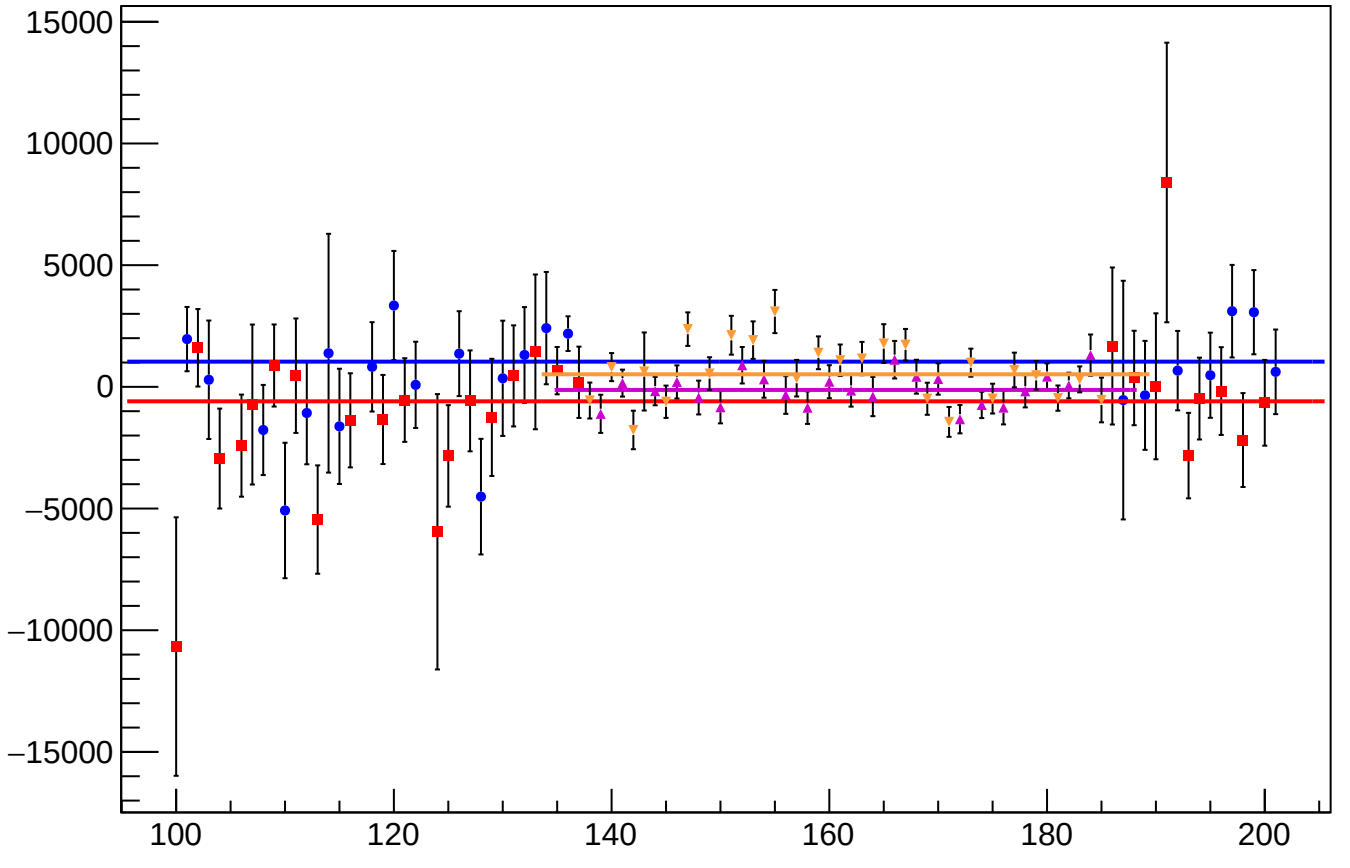
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1275.992+/-0.180 χ^2/NDF: 997640.5/50

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98



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: -594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

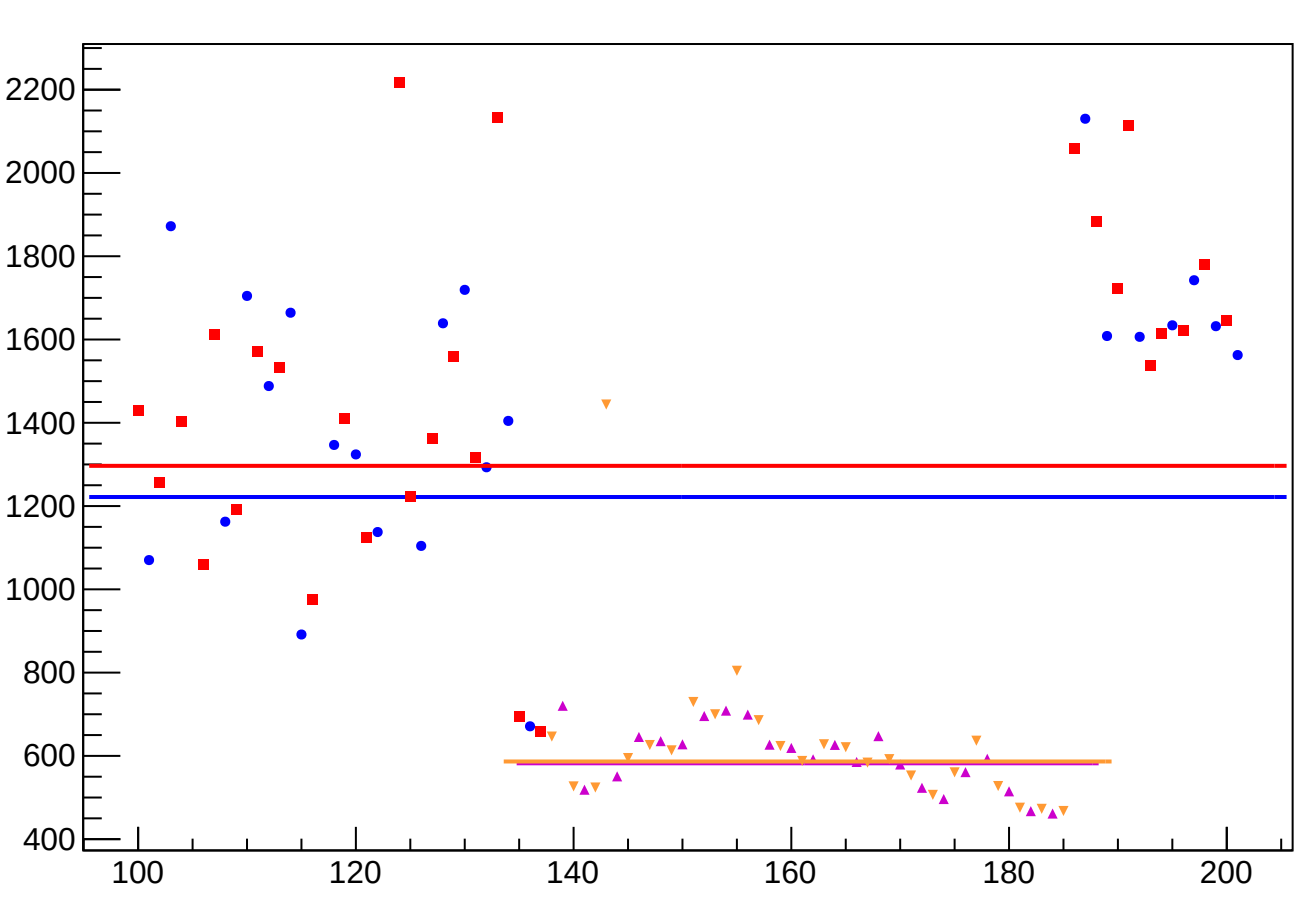
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 230.654+/-261.428 χ^2/NDF: 56.9/50

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 202.542+/-90.546 χ^2/NDF: 156.6/98



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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

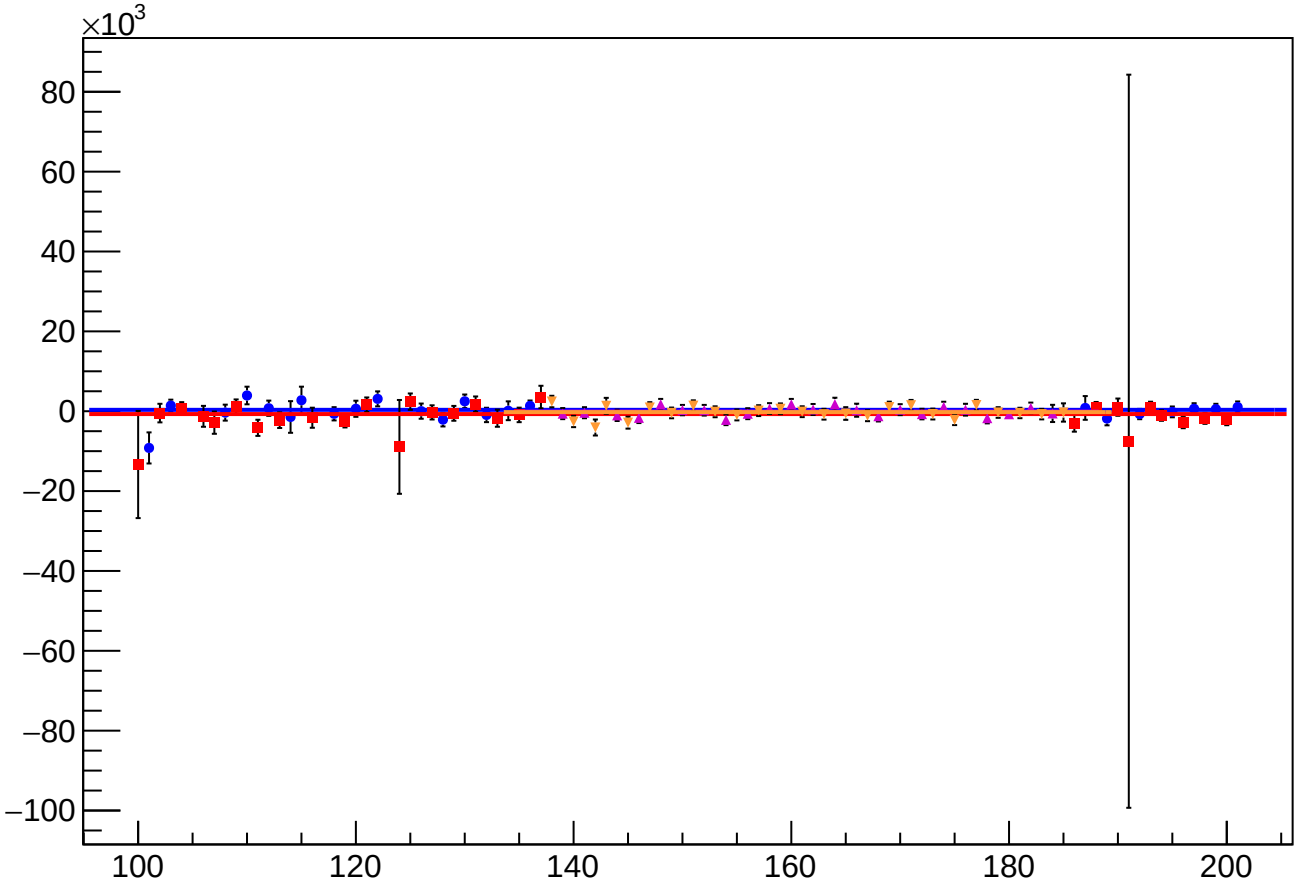
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1258.714+/-0.185 χ^2/NDF: 4749302.1/50

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98



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: -711.006+/-354.696 χ^2/NDF: 26.0/27

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

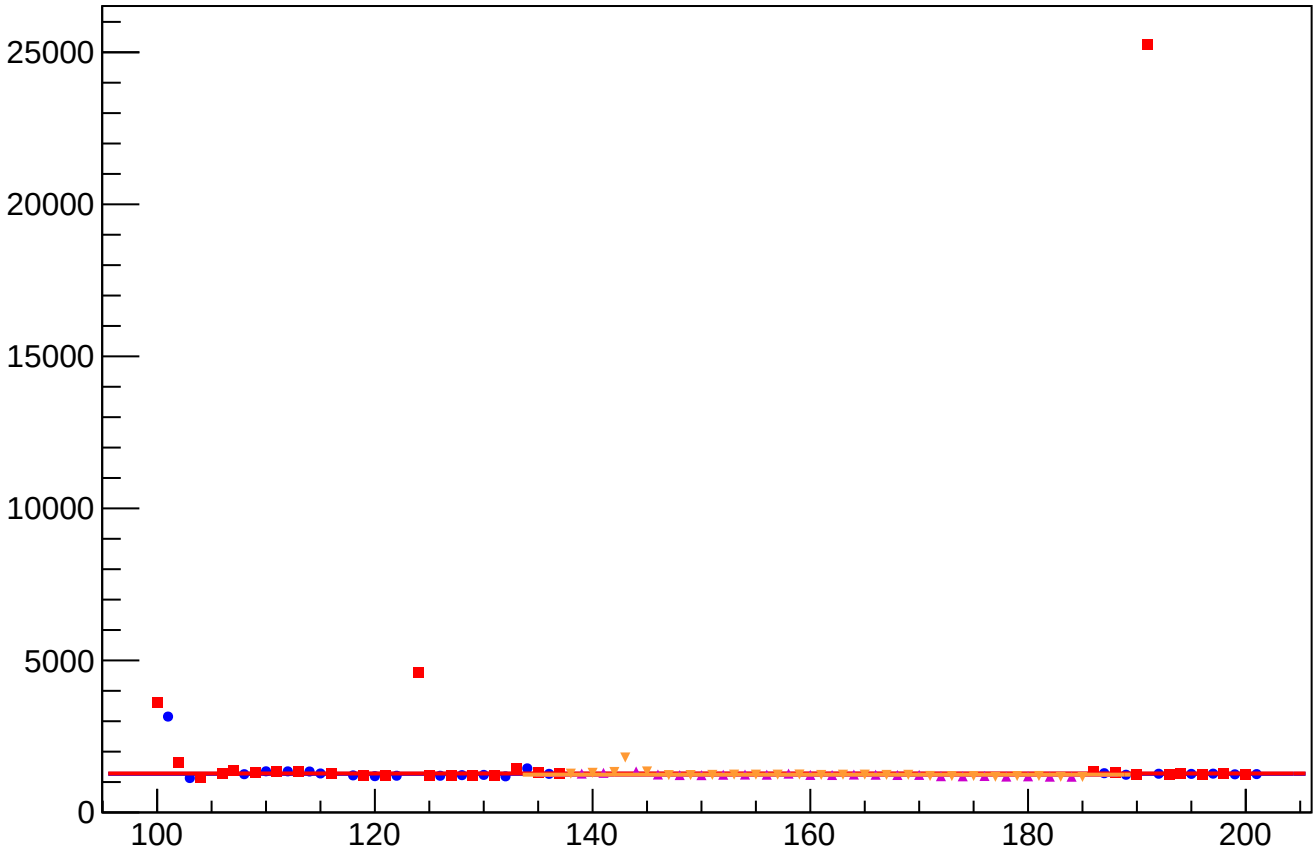
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -196.038+/-254.474 χ^2/NDF: 50.4/50

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -172.559+/-158.189 χ^2/NDF: 89.1/98



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: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

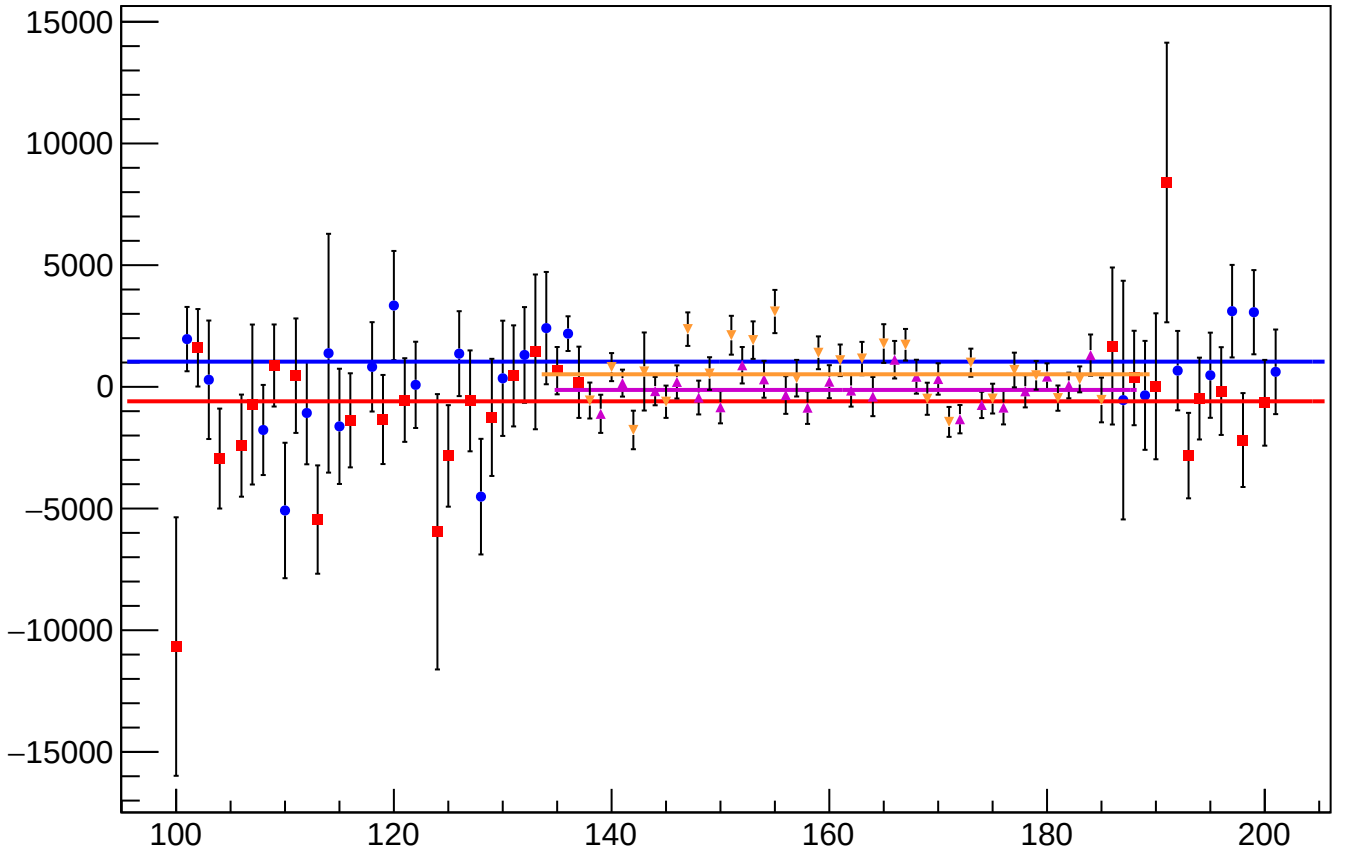
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1275.992+/-0.180 χ^2/NDF: 997640.5/50

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98



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: -594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

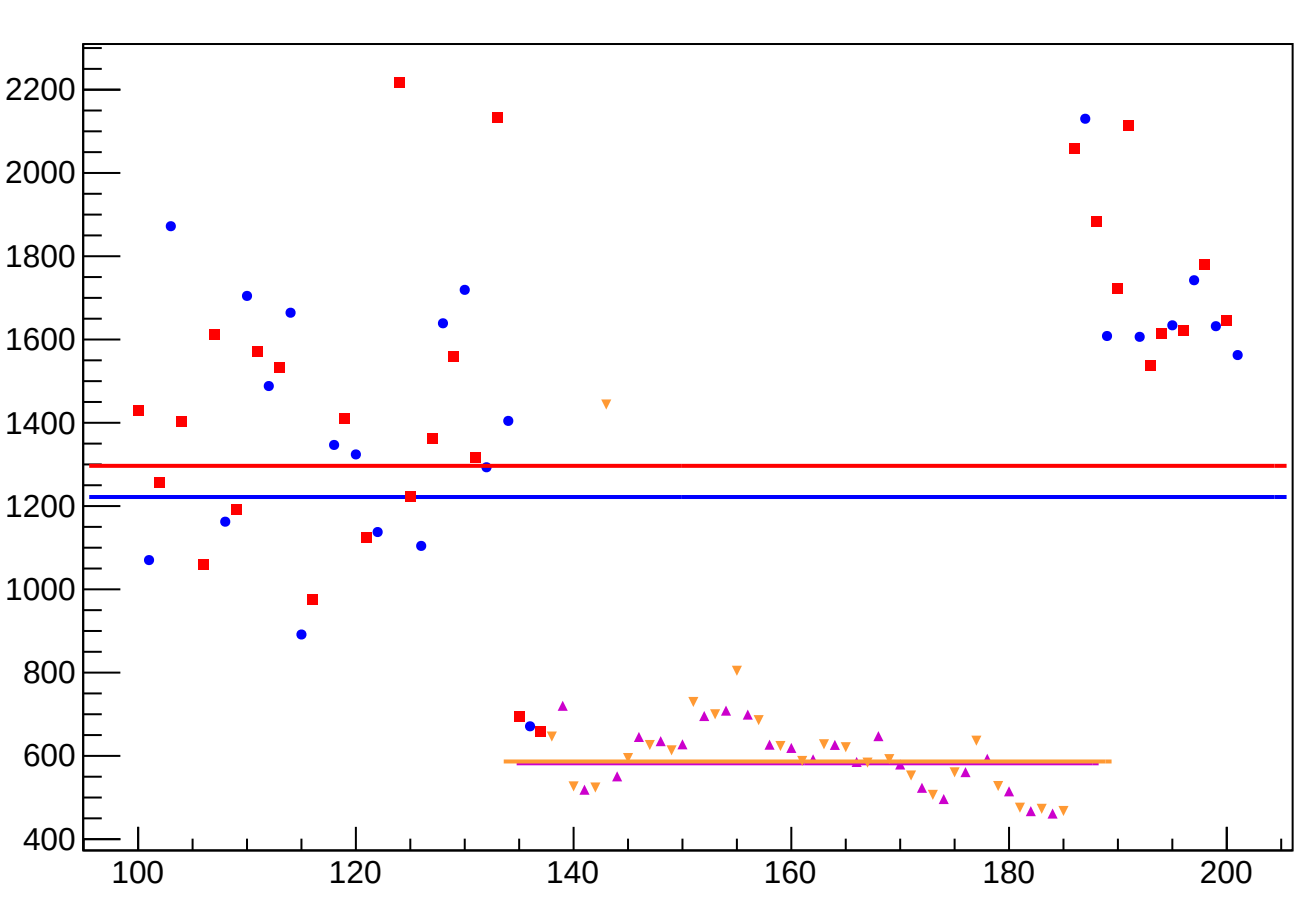
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 230.654+/-261.428 χ^2/NDF: 56.9/50

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 202.542+/-90.546 χ^2/NDF: 156.6/98



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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

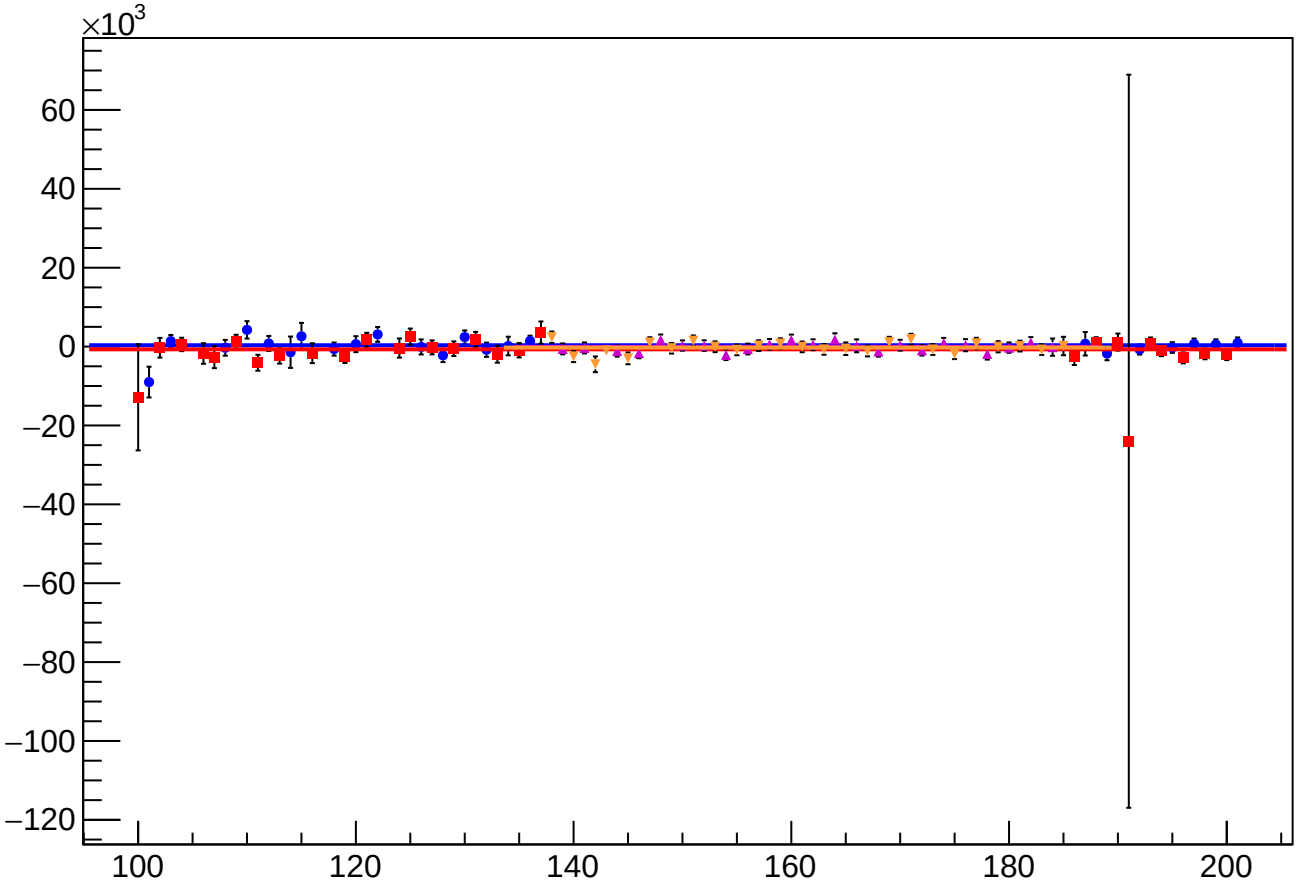
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1258.714+/-0.185 χ^2/NDF: 4749302.1/50

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98



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: -699.637+/-353.287 χ^2/NDF: 25.5/27

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

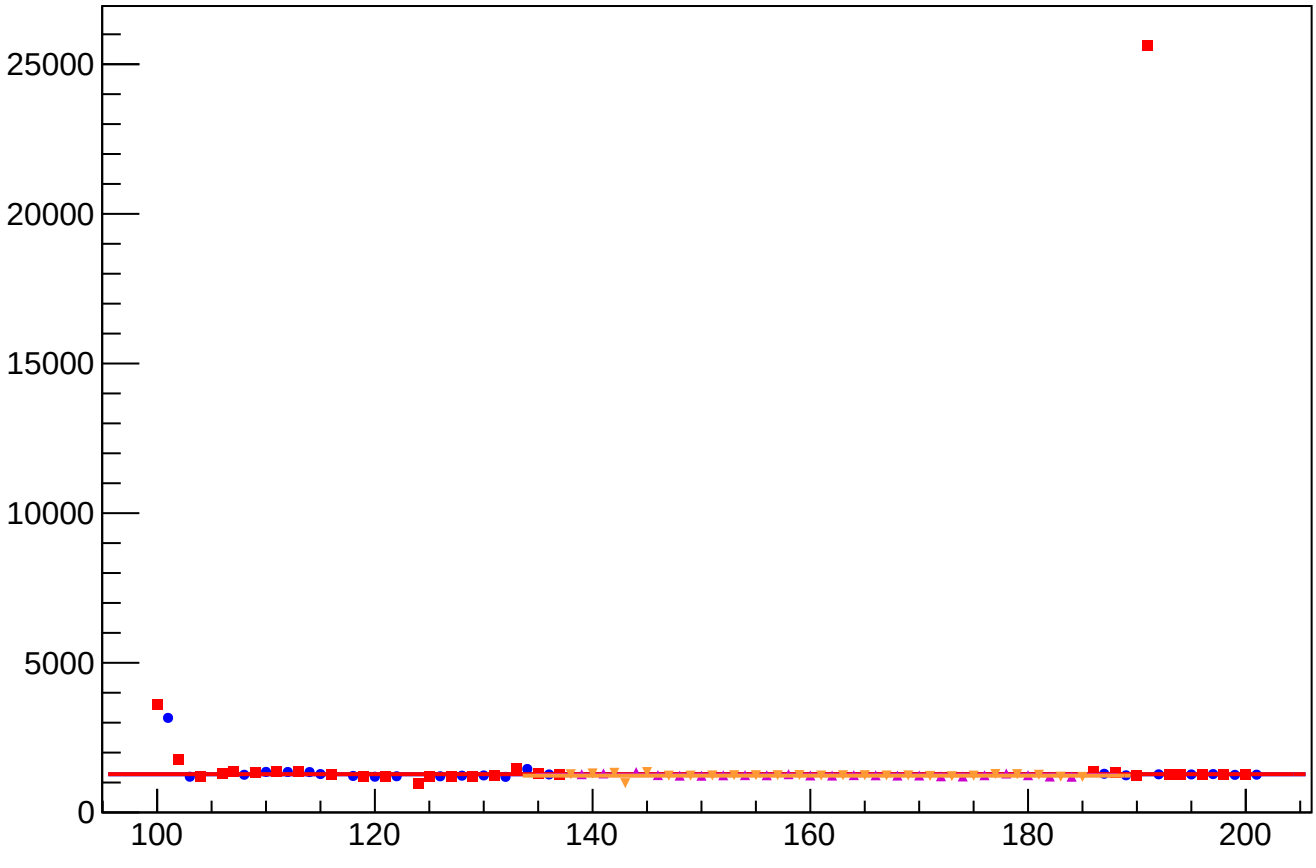
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -201.309+/-254.486 χ^2/NDF: 49.7/50

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -423.935+/-219.401 χ^2/NDF:50.5/52

All: -179.894+/-158.163 χ^2/NDF: 87.9/98



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: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

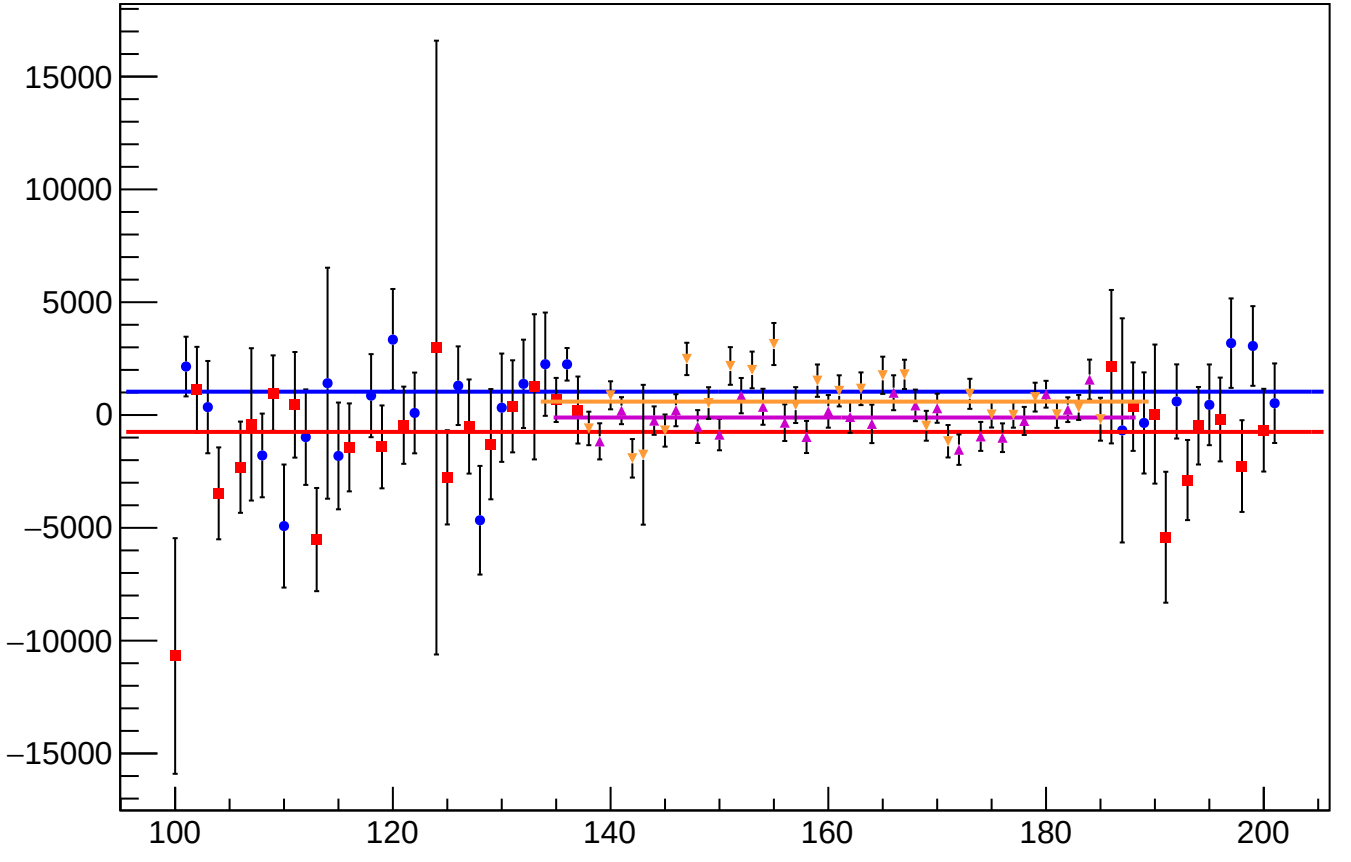
Right: 1277.421+/-0.180 χ^2/NDF: 877999.6/50

In: 1258.344+/-0.161 χ^2/NDF:543042.6/45

Out: 1249.119+/-0.155 χ^2/NDF:534758.5/52

All: 1253.550+/-0.112 χ^2/NDF: 1079499.4/98

asym_atl_dd_atr_dd_dd_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: -748.259+/-376.775 χ^2/NDF: 23.0/27

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

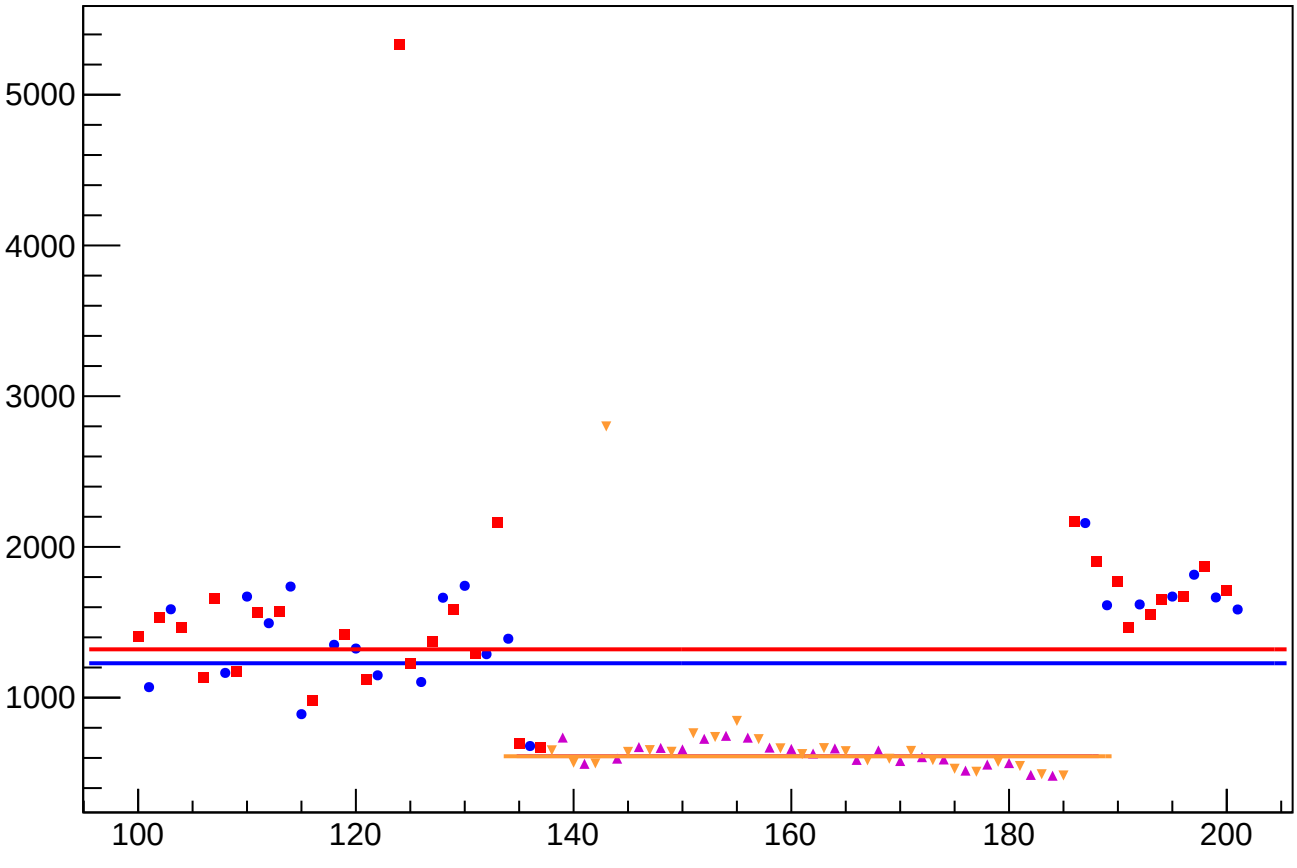
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 162.162+/-263.578 χ^2/NDF: 58.2/50

In: 41.597+/-134.328 χ^2/NDF:57.8/45

Out: 427.664+/-132.983 χ^2/NDF:91.5/52

All: 236.573+/-94.505 χ^2/NDF: 153.5/98



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: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

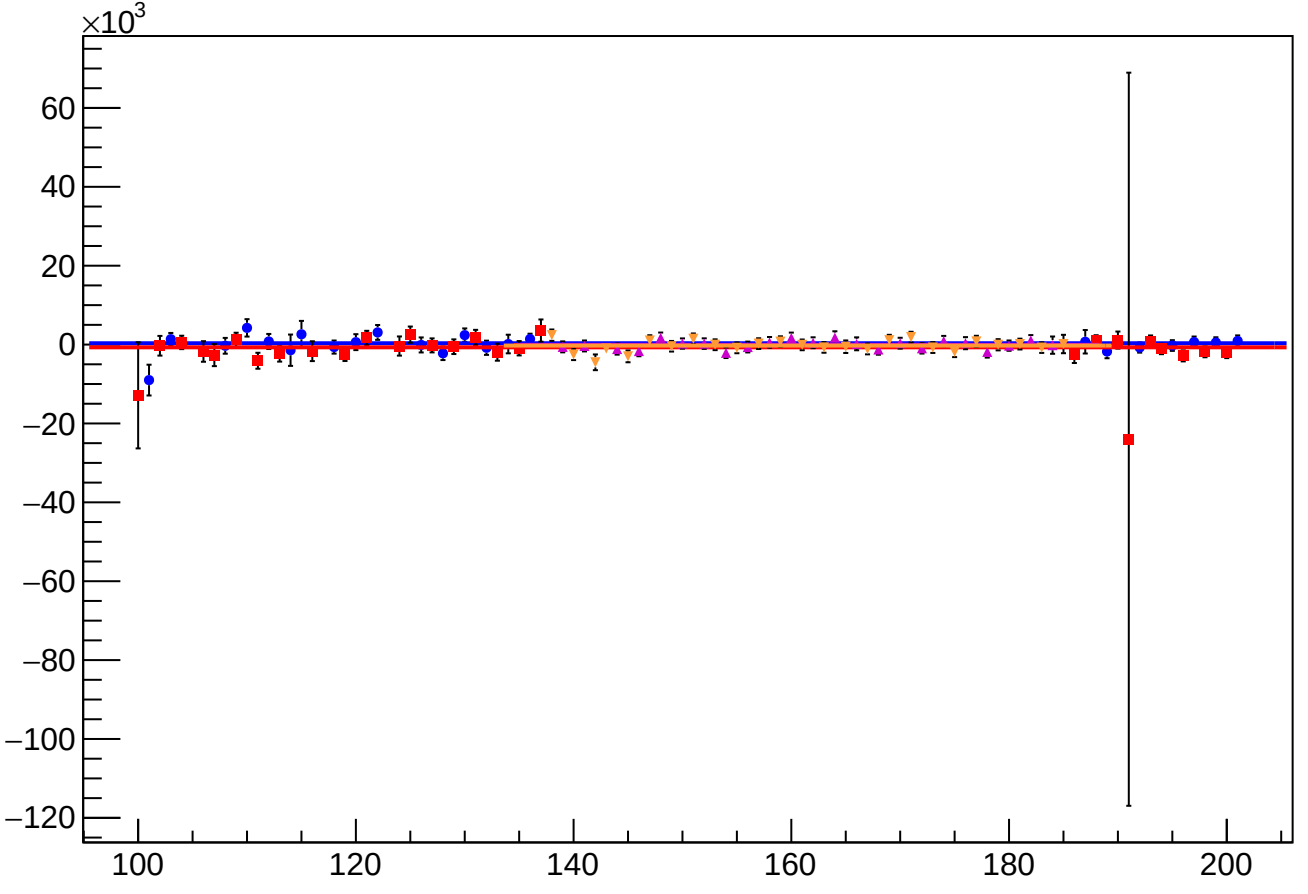
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1273.387+/-0.186 χ^2/NDF: 4926600.0/50

In: 694.064+/-0.095 χ^2/NDF:7679211.1/45

Out: 699.468+/-0.094 χ^2/NDF:10356560.4/52

All: 696.793+/-0.067 χ^2/NDF: 18037405.8/98



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: -699.636+/-353.287 χ^2/NDF: 25.5/27

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

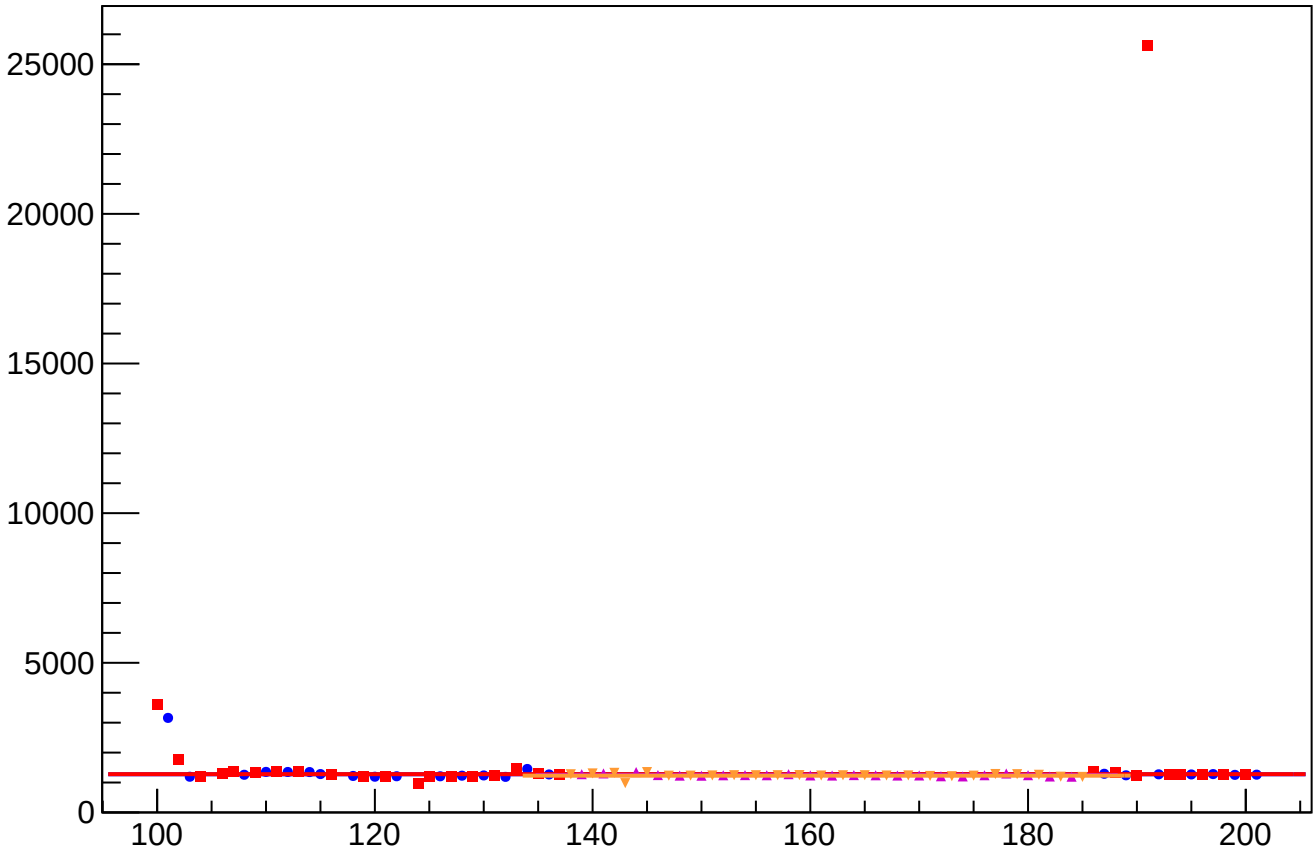
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -201.308+/-254.486 χ^2/NDF: 49.7/50

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -423.936+/-219.401 χ^2/NDF:50.5/52

All: -179.894+/-158.163 χ^2/NDF: 87.9/98



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: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

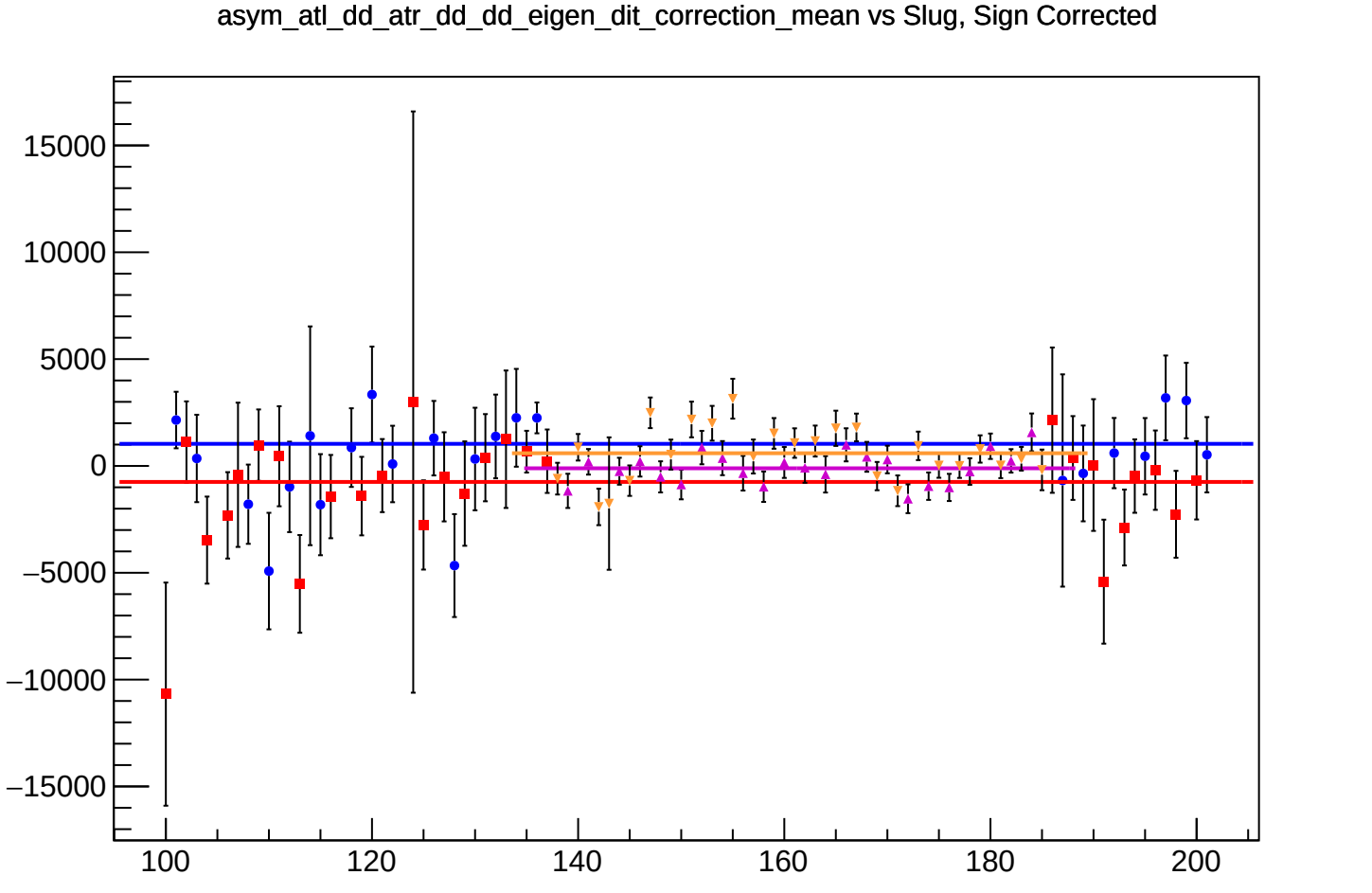
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1277.420+/-0.180 χ^2/NDF: 877999.6/50

In: 1258.344+/-0.161 χ^2/NDF:543042.7/45

Out: 1249.119+/-0.155 χ^2/NDF:534757.5/52

All: 1253.550+/-0.112 χ^2/NDF: 1079498.4/98



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: -748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

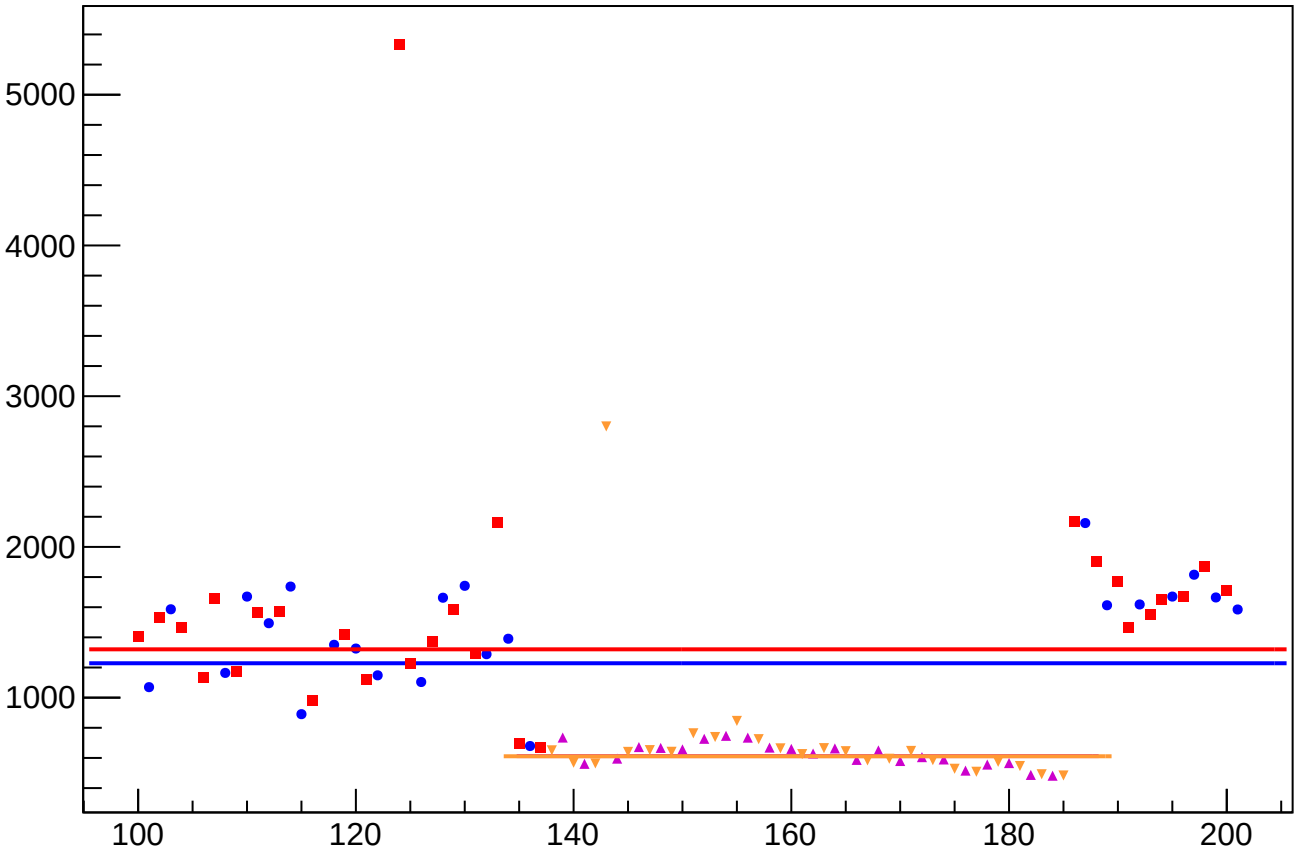
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 162.155+/-263.579 χ^2/NDF: 58.2/50

In: 41.596+/-134.328 χ^2/NDF:57.8/45

Out: 427.664+/-132.983 χ^2/NDF:91.5/52

All: 236.572+/-94.505 χ^2/NDF: 153.5/98



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: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

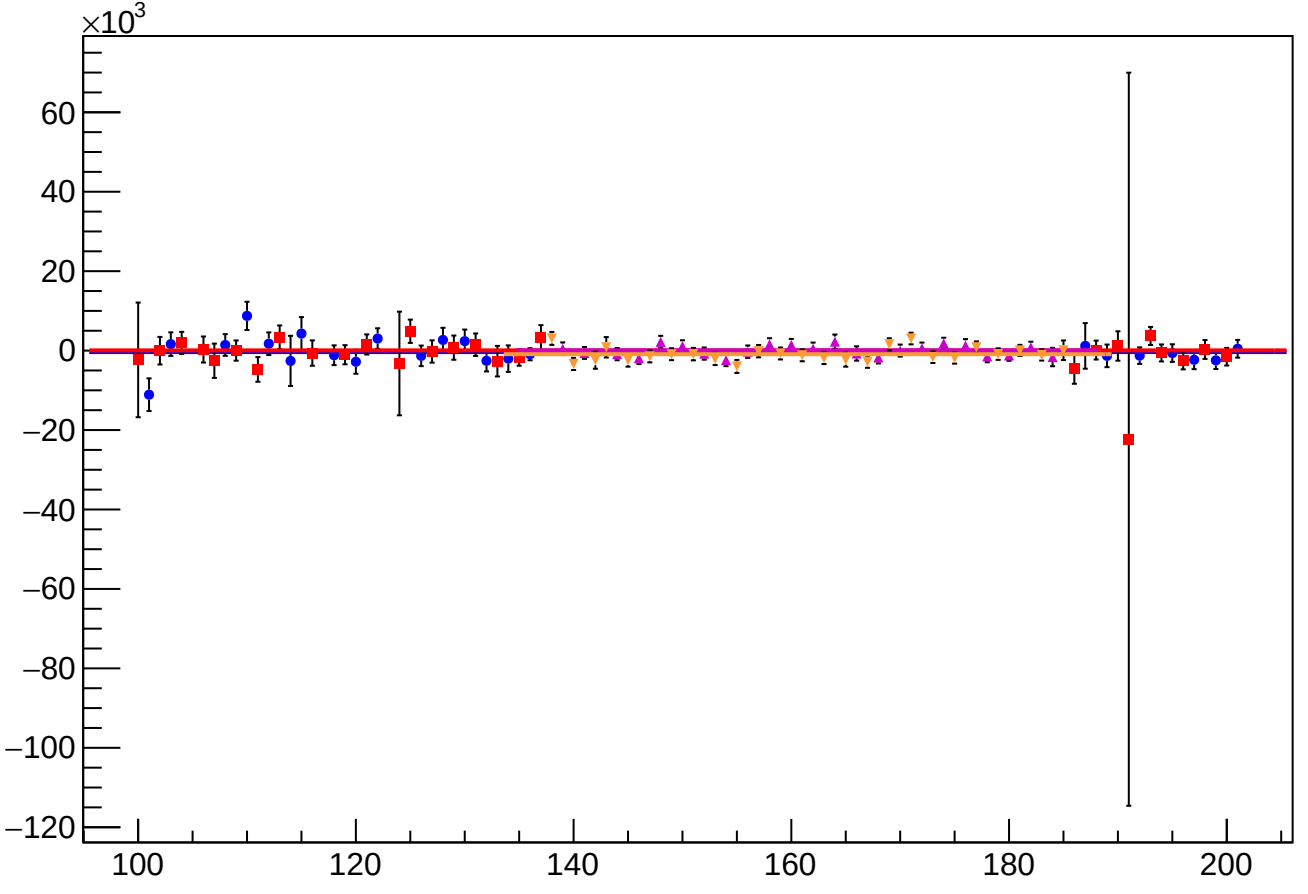
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1273.393+/-0.186 χ^2/NDF: 4926443.1/50

In: 694.064+/-0.095 χ^2/NDF:7679213.0/45

Out: 699.468+/-0.094 χ^2/NDF:10356557.5/52

All: 696.793+/-0.067 χ^2/NDF: 18037405.0/98



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: 61.700+/-547.034 χ^2/NDF: 16.3/27

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

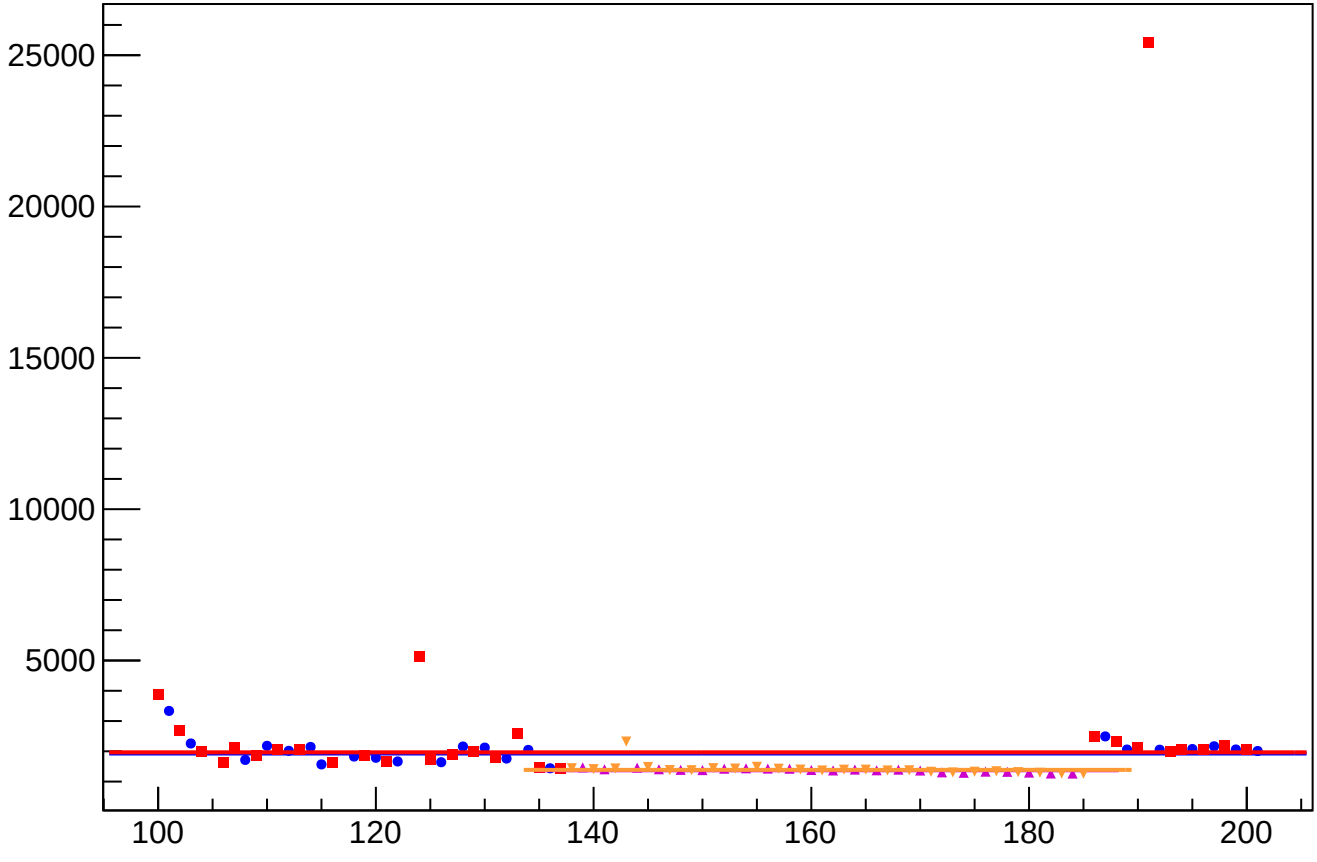
Right: -147.335+/-390.262 χ^2/NDF: 40.4/50

In: -54.572+/-278.065 χ^2/NDF:42.1/45

Out: -658.790+/-273.919 χ^2/NDF:48.4/52

All: -361.219+/-195.139 χ^2/NDF: 92.9/98

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: 1966.810+/-0.387 χ^2/NDF: 814321.2/27

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

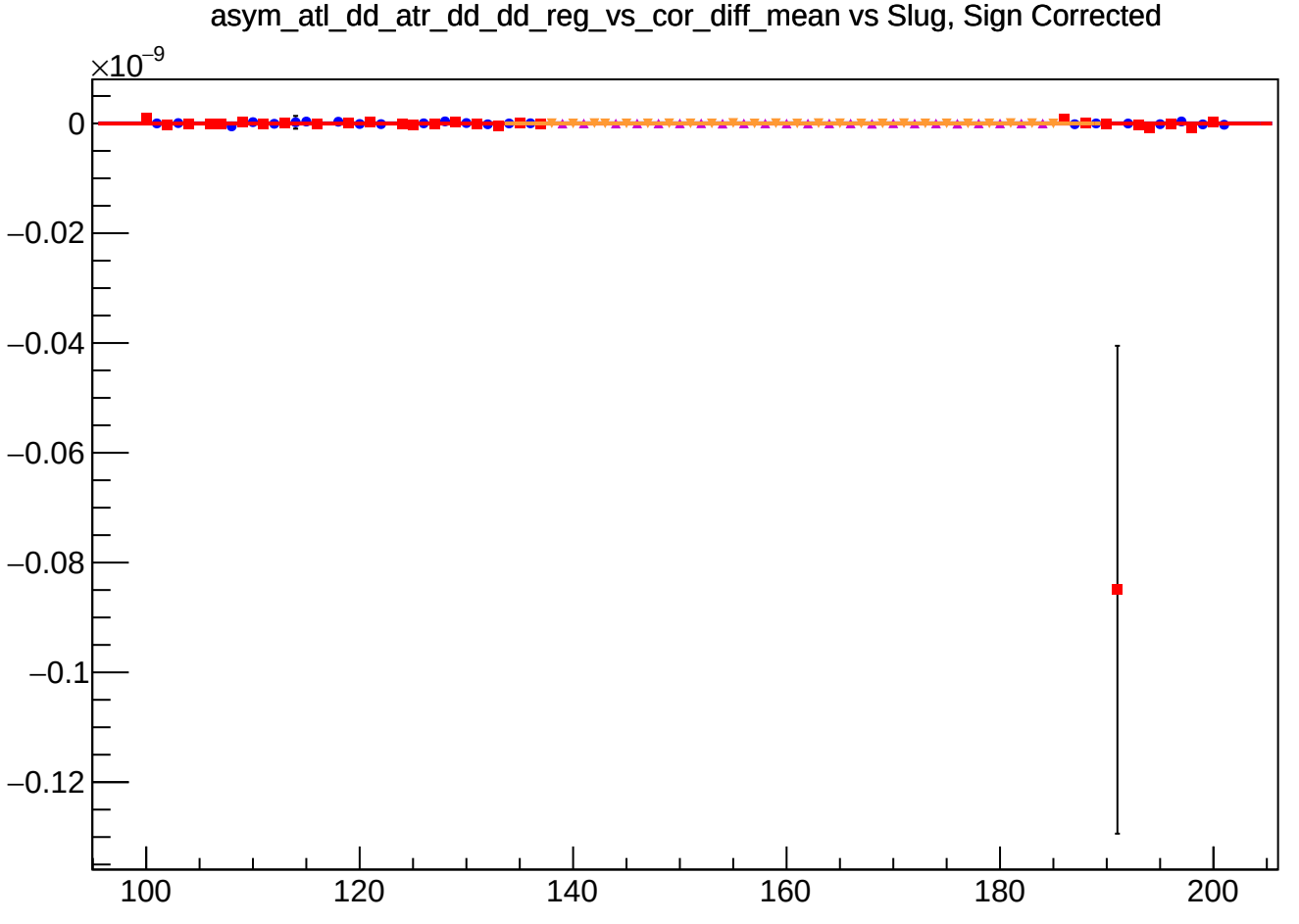
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1947.270+/-0.276 χ^2/NDF: 1478489.9/50

In: 1511.271+/-0.197 χ^2/NDF:2208058.8/45

Out: 1532.264+/-0.194 χ^2/NDF:2838520.8/52

All: 1521.925+/-0.138 χ^2/NDF: 5052365.1/98



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: 43.2/27

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

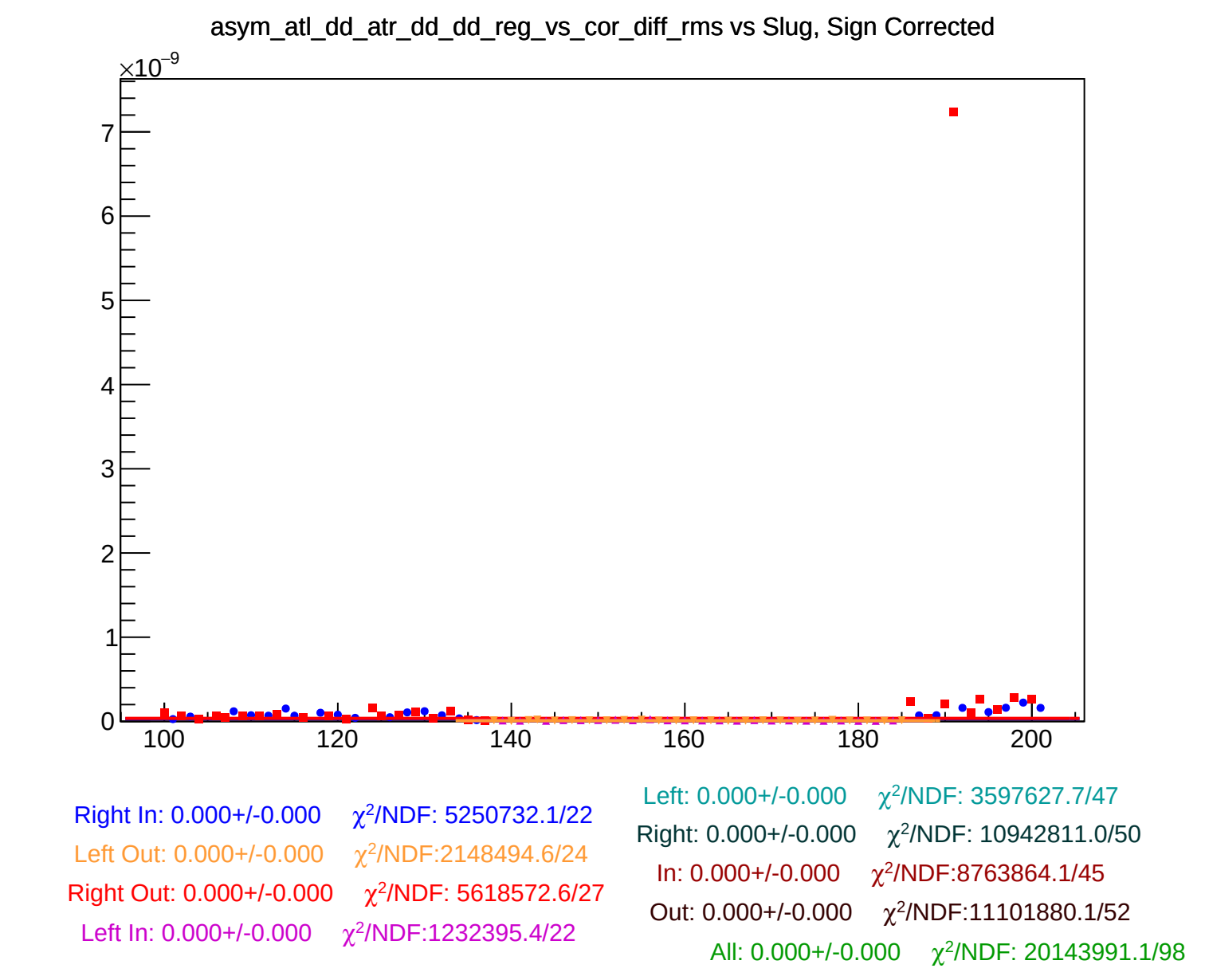
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/50

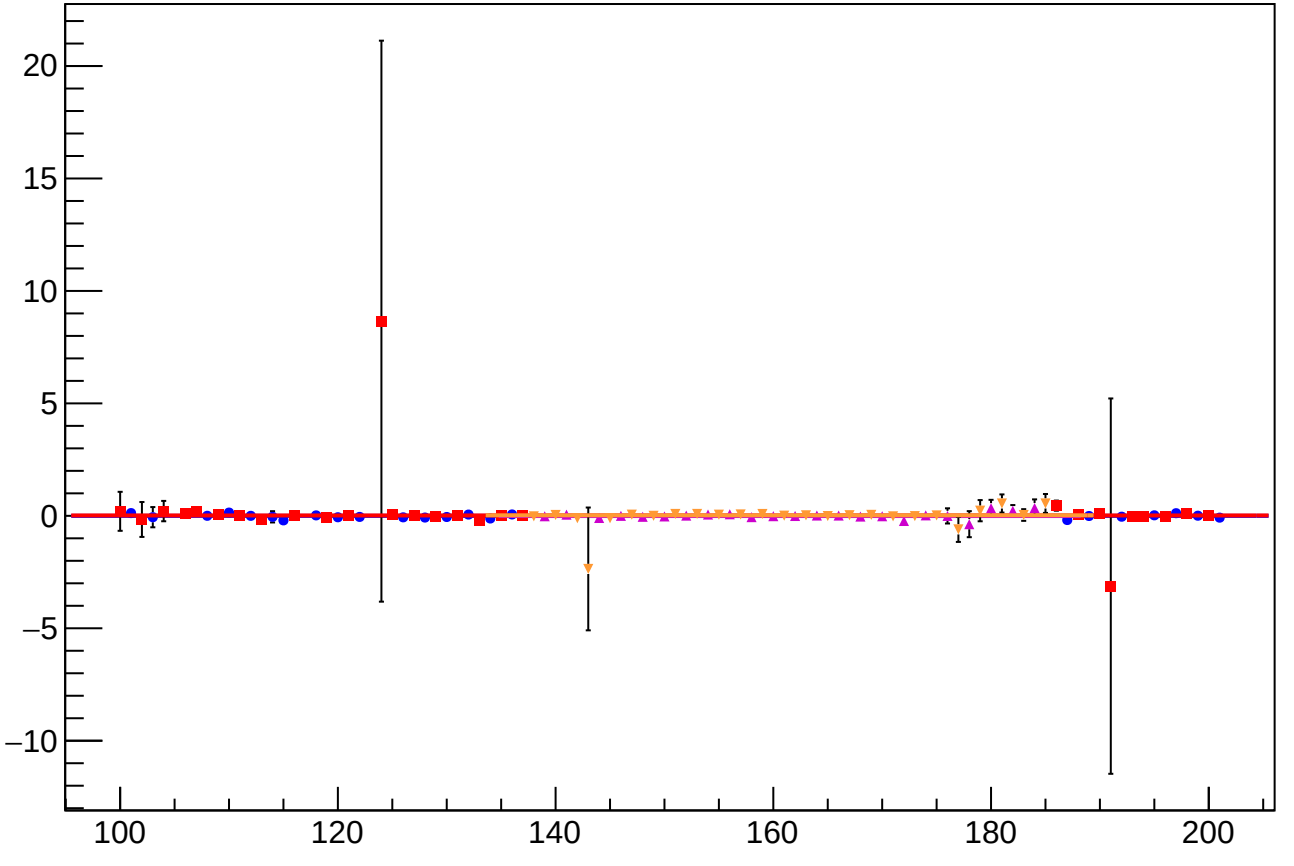
In: 0.000+/-0.000 χ^2/NDF:34.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.5/52

All: 0.000+/-0.000 χ^2/NDF: 103.9/98


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: 5618572.6/27
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: 10942811.0/50
In: 0.000+/-0.000 χ²/NDF:8763864.1/45
Out: 0.000+/-0.000 χ²/NDF:11101880.1/52
All: 0.000+/-0.000 χ²/NDF: 20143991.1/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

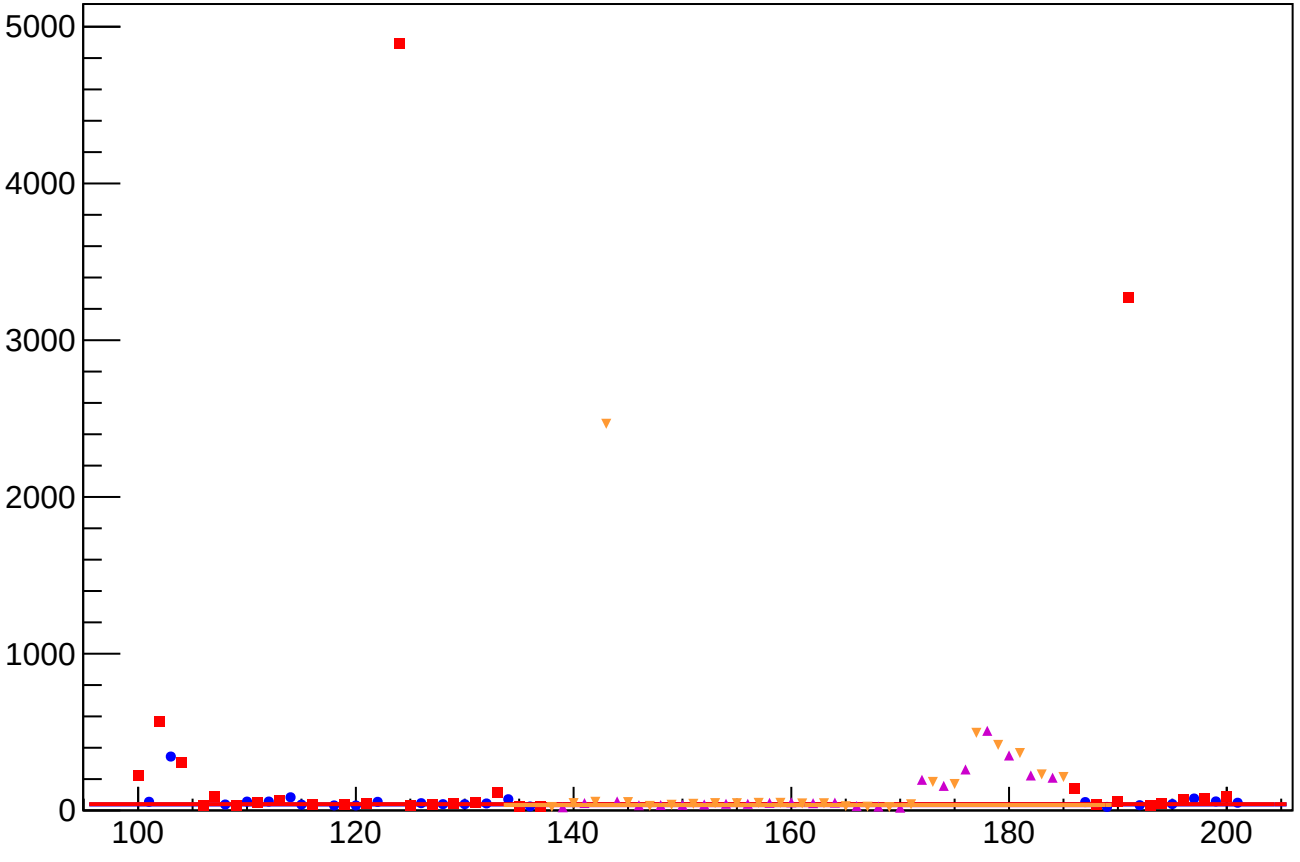
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

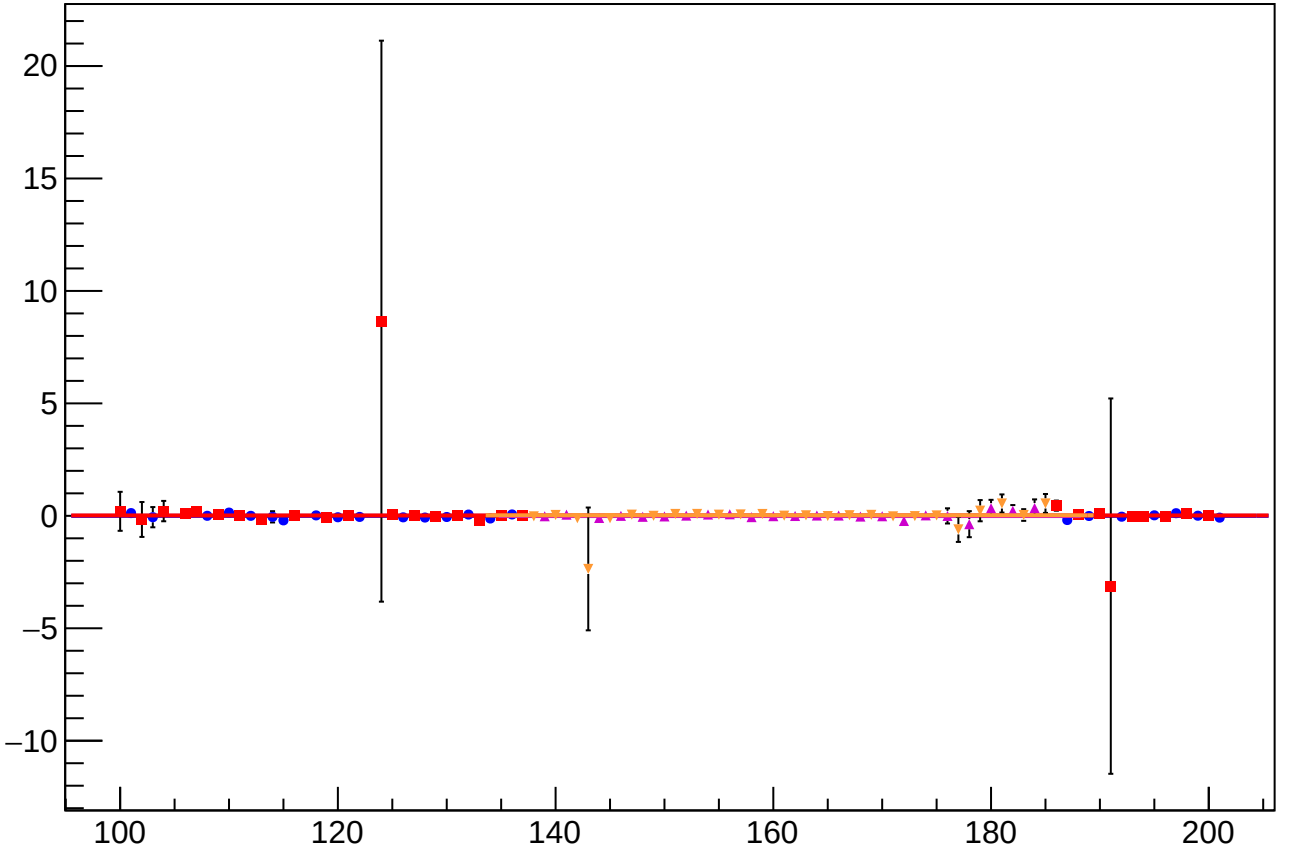
Right: 39.211+/-0.006 χ^2/NDF: 8196015.3/50

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

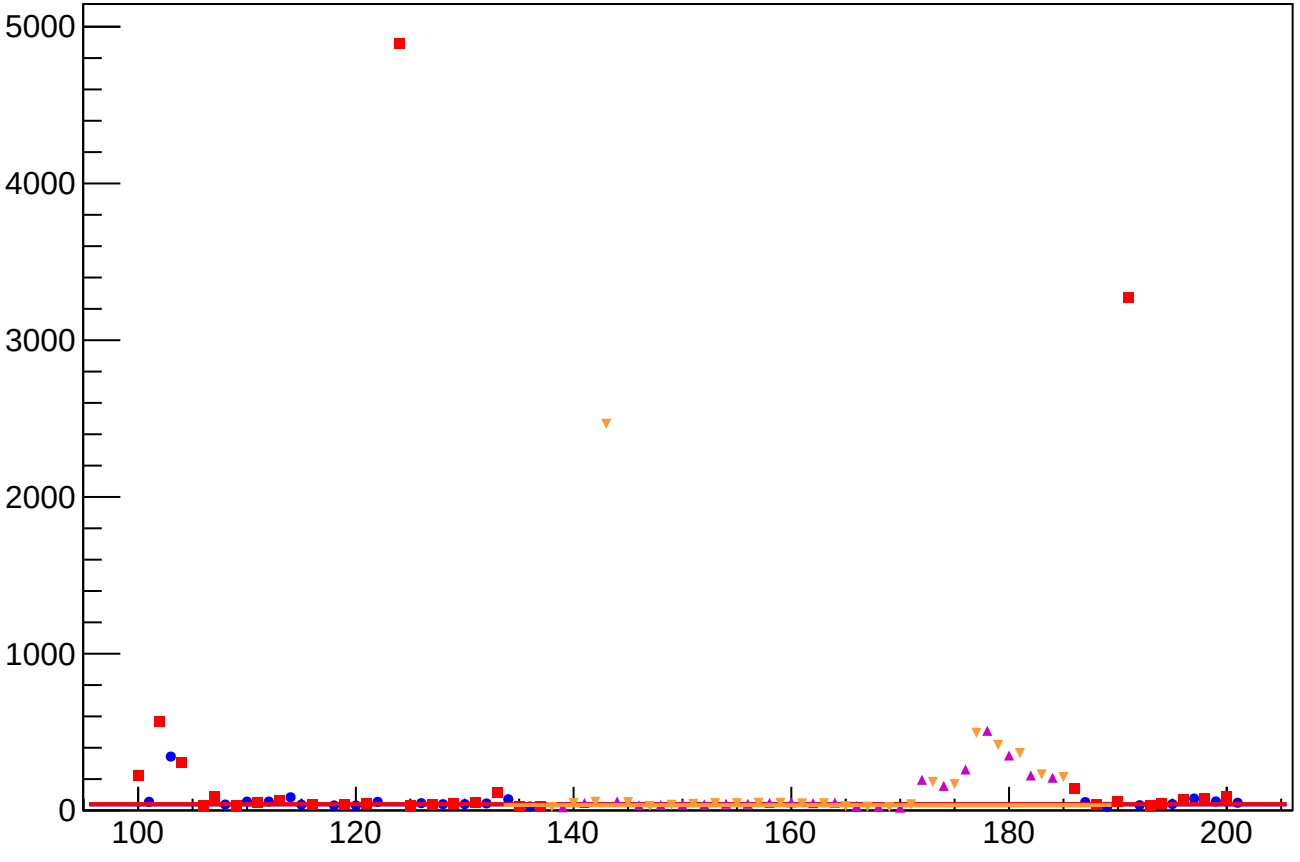
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

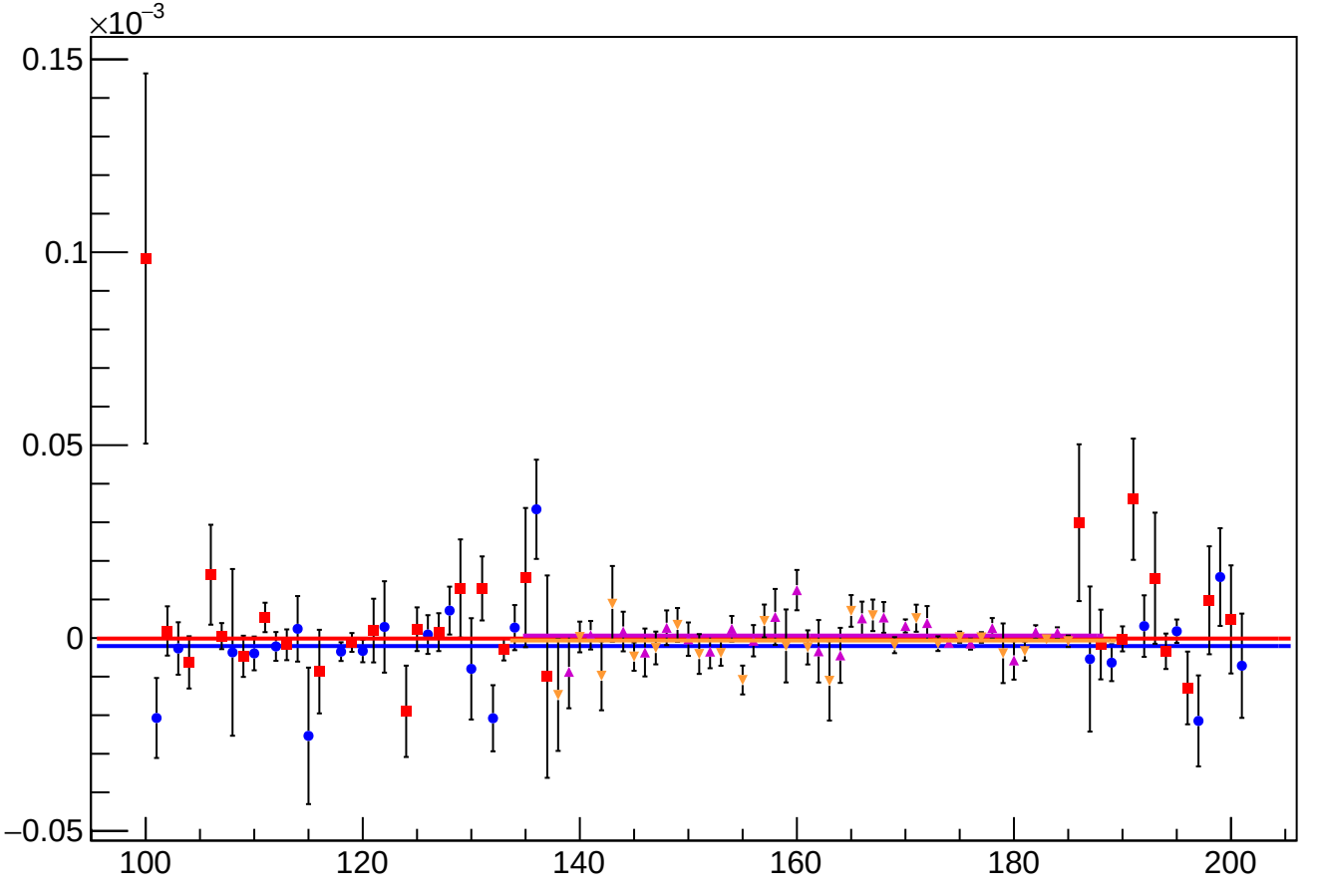
Right: 39.211+/-0.006 χ^2/NDF: 8196015.3/50

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/27

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

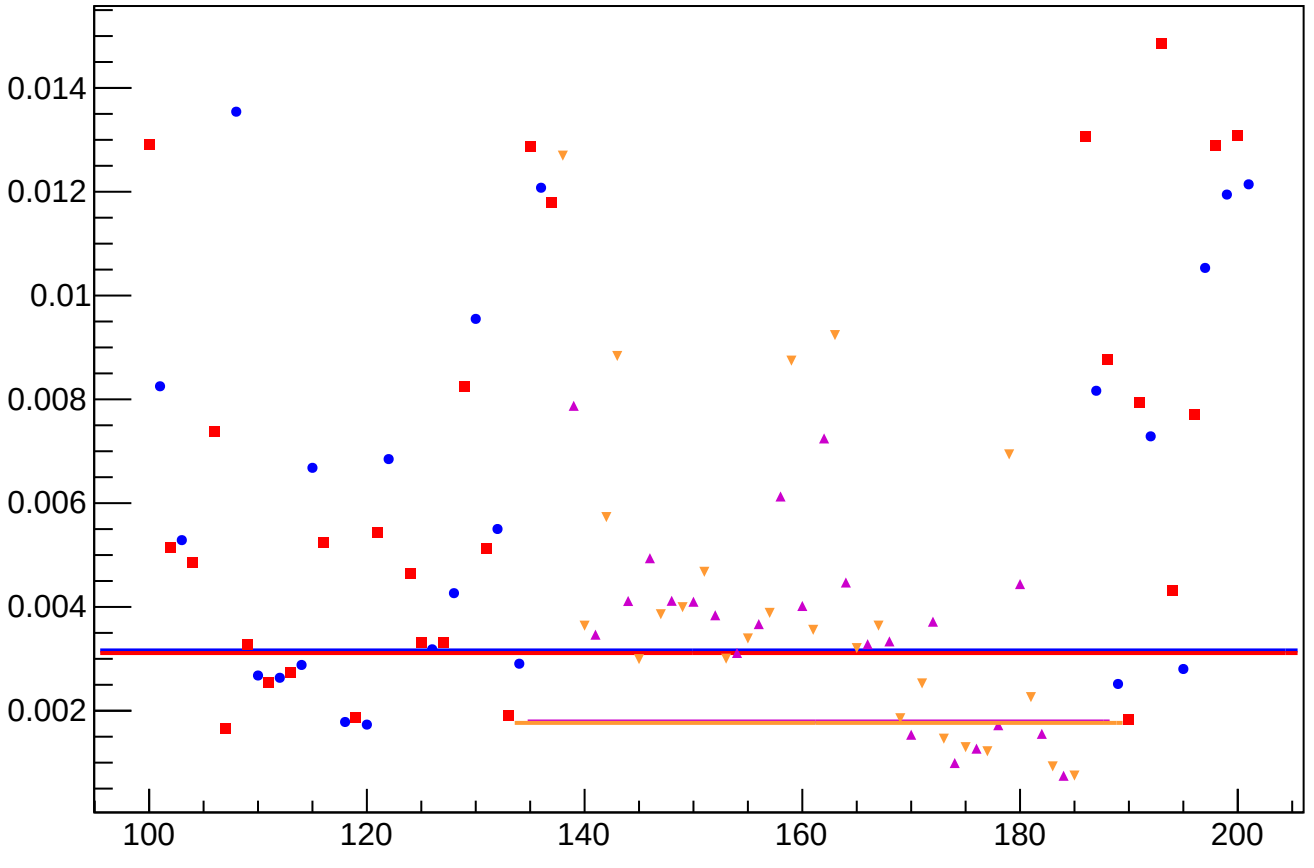
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.4/50

In: 0.000+/-0.000 χ^2/NDF:56.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.8/52

All: -0.000+/-0.000 χ^2/NDF: 116.0/98



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: 8800178.3/27

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

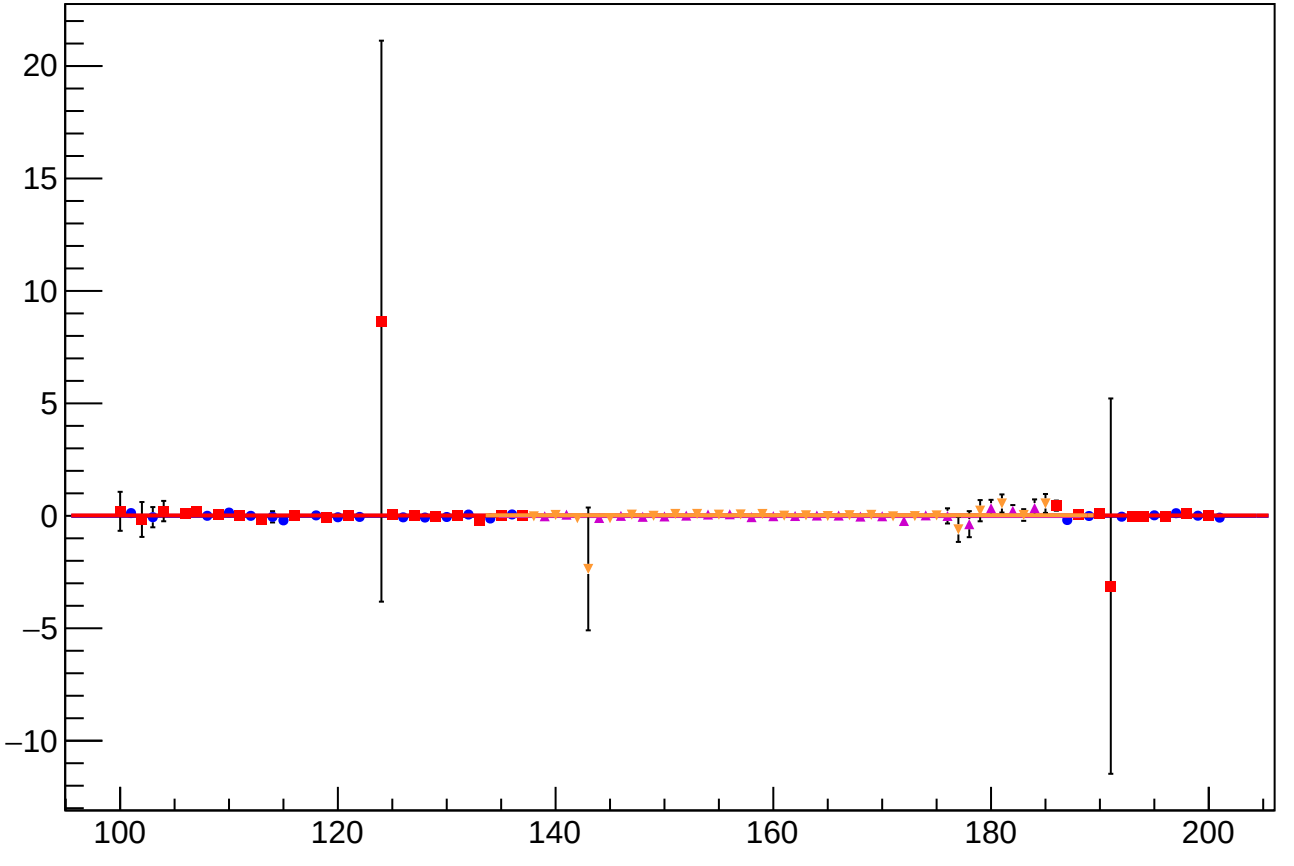
Right: 0.003+/-0.000 χ^2/NDF: 16417831.8/50

In: 0.002+/-0.000 χ^2/NDF:20746531.7/45

Out: 0.002+/-0.000 χ^2/NDF:24390381.6/52

All: 0.002+/-0.000 χ^2/NDF: 45139303.4/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

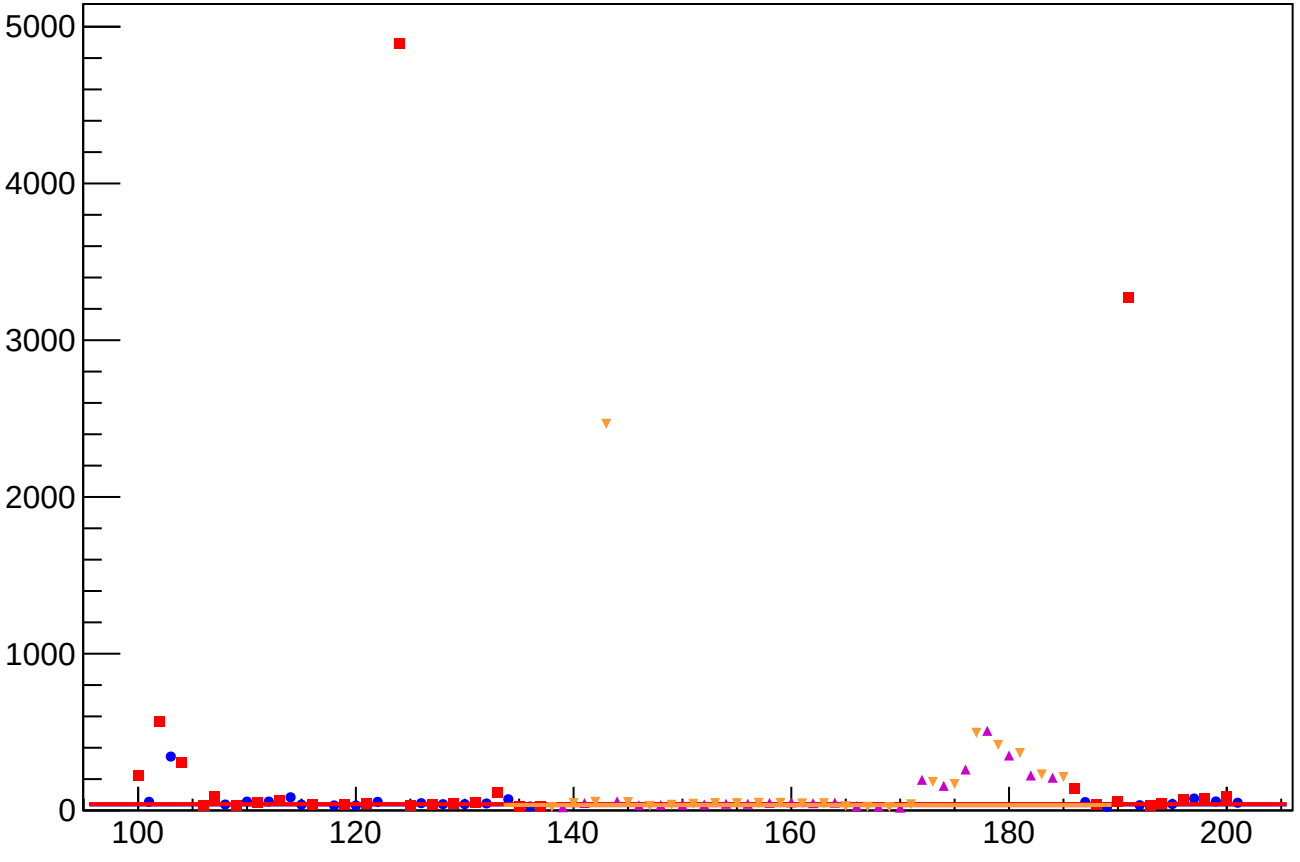
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

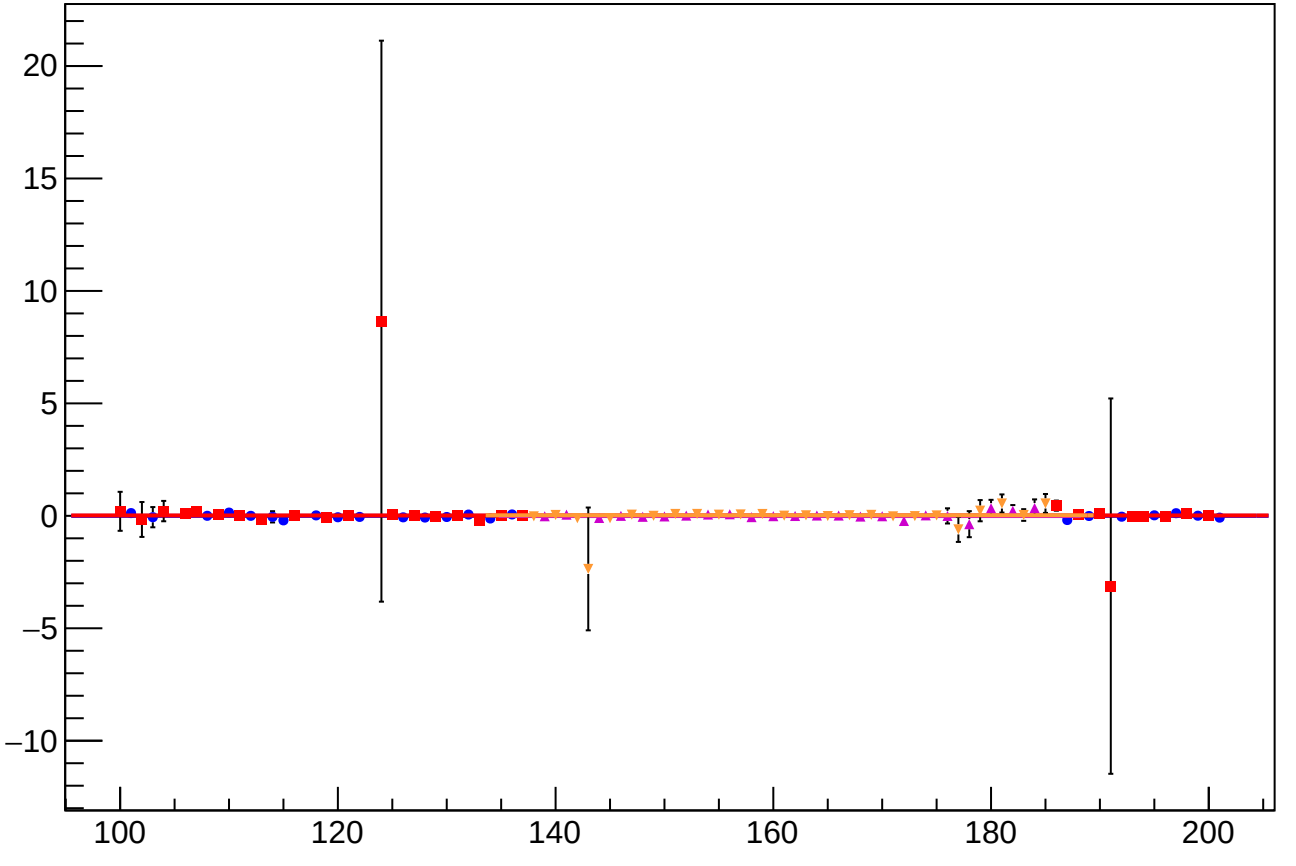
Right: 39.213+/-0.006 χ^2/NDF: 8194961.0/50

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

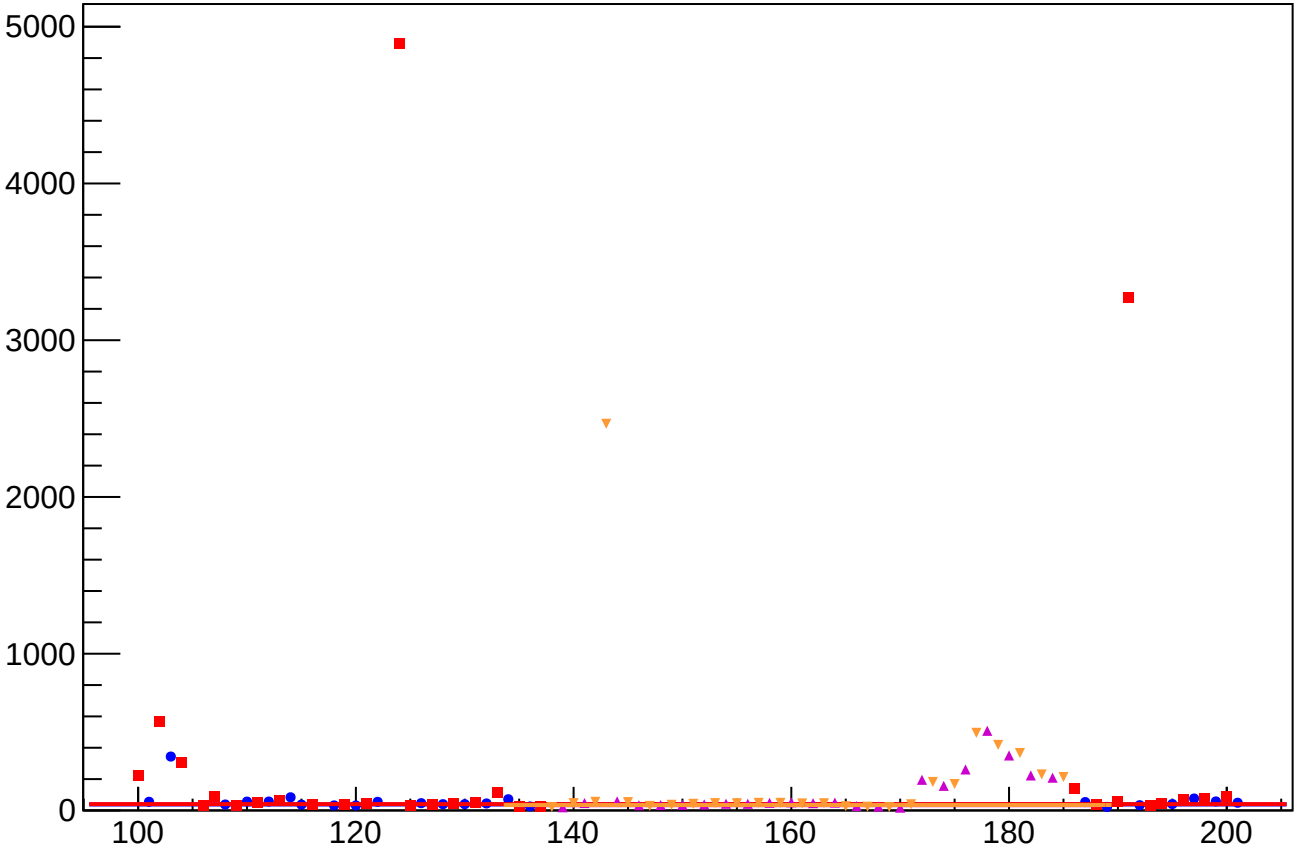
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

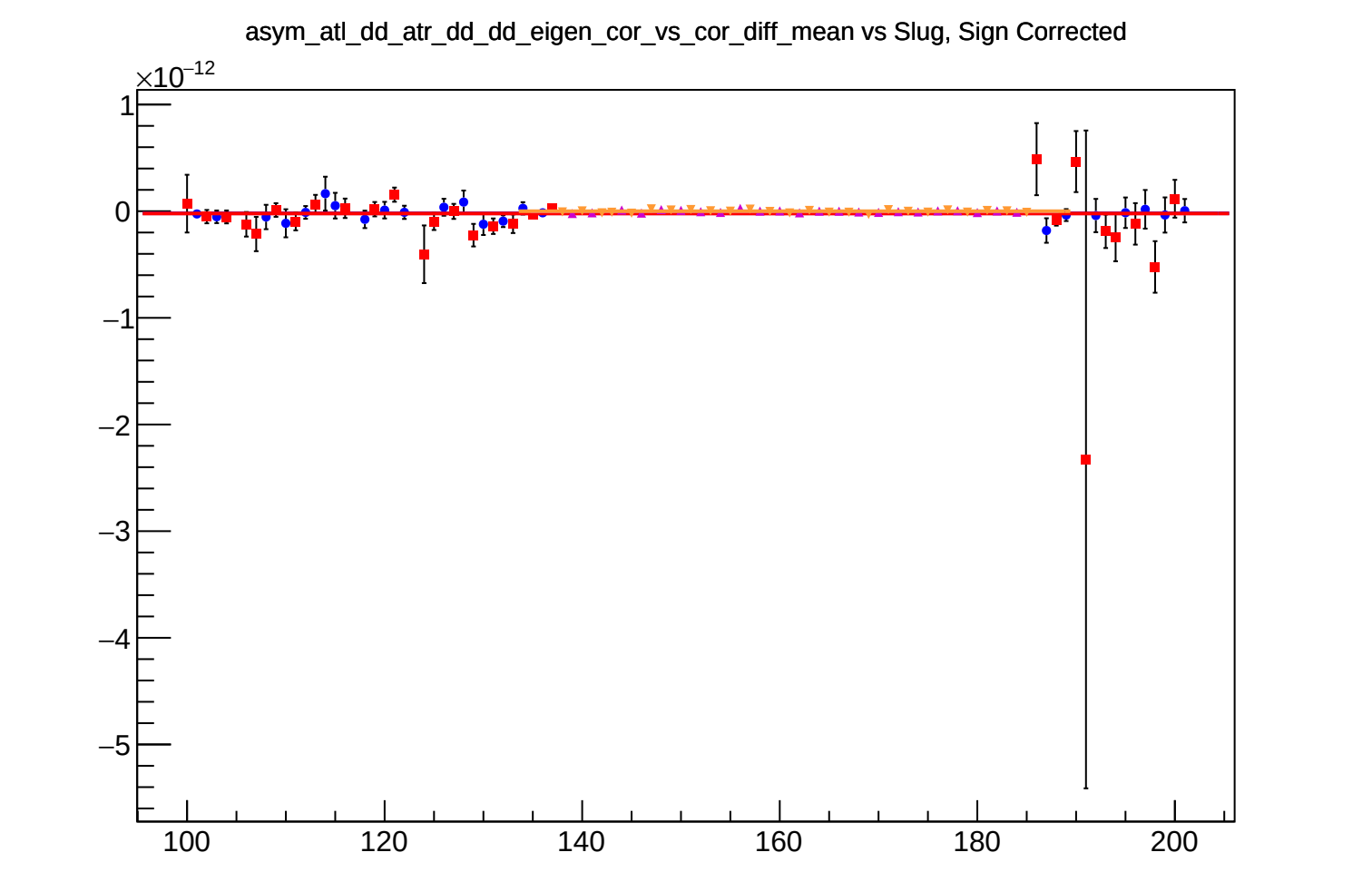
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 39.213+/-0.006 χ^2/NDF: 8194961.0/50

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98



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: 42.0/27

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

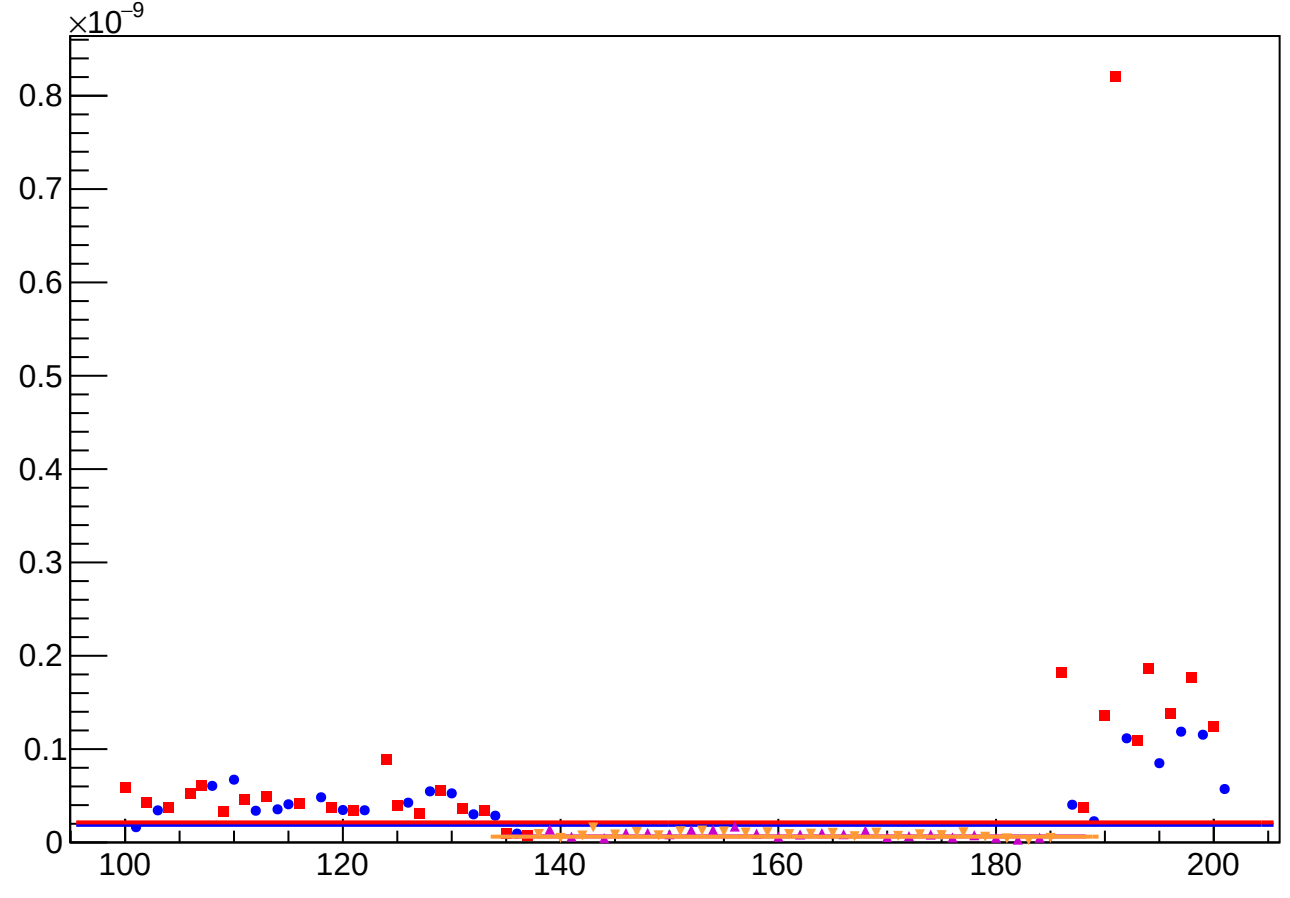
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/50

In: -0.000+/-0.000 χ^2/NDF:33.7/45

Out: -0.000+/-0.000 χ^2/NDF:72.0/52

All: -0.000+/-0.000 χ^2/NDF: 106.1/98



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: 8875405.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

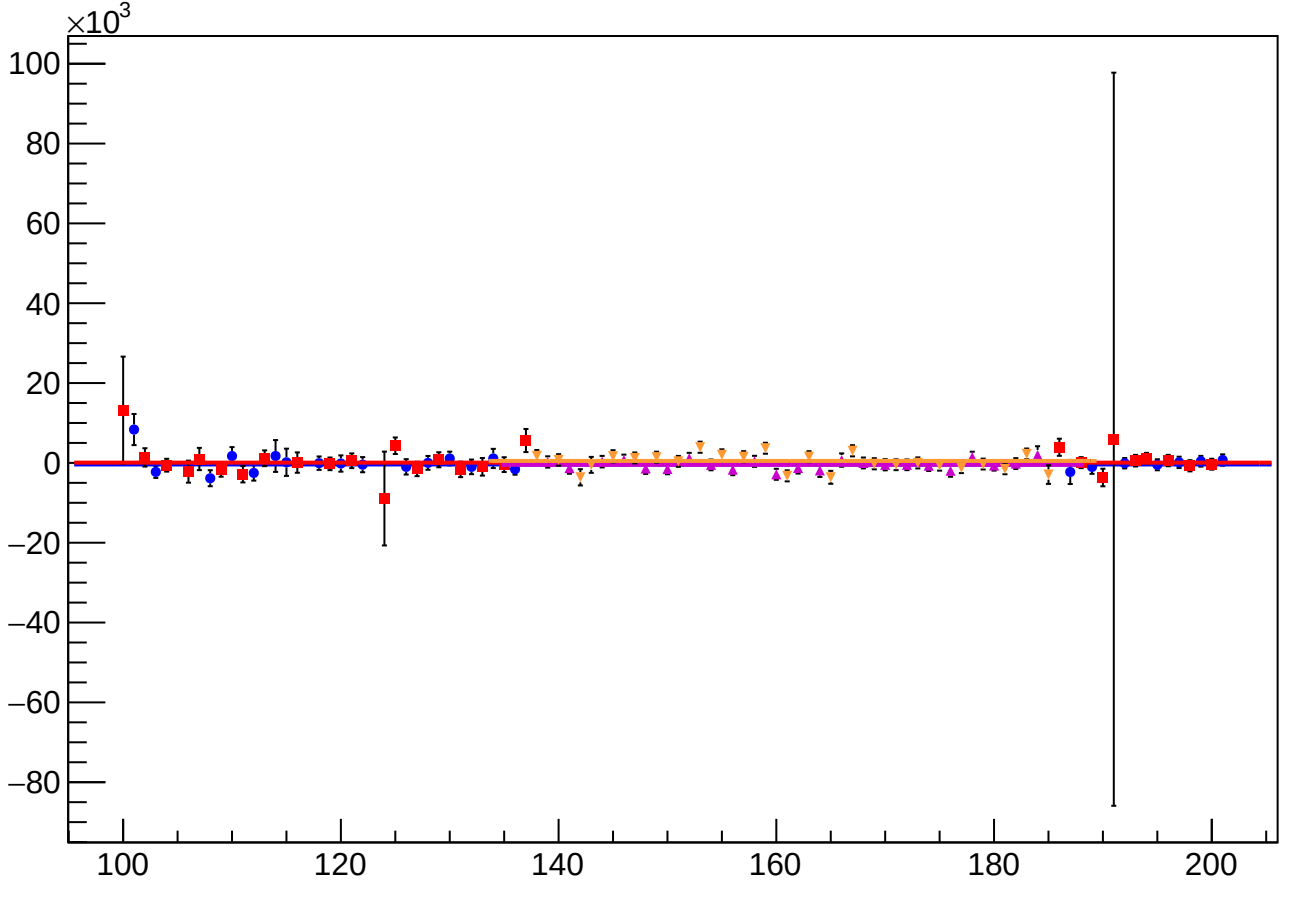
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14974166.5/50

In: 0.000+/-0.000 χ^2/NDF:13197849.3/45

Out: 0.000+/-0.000 χ^2/NDF:17895832.5/52

All: 0.000+/-0.000 χ^2/NDF: 31121356.8/98



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: 65.376+/-359.817 χ^2/NDF: 23.4/27

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

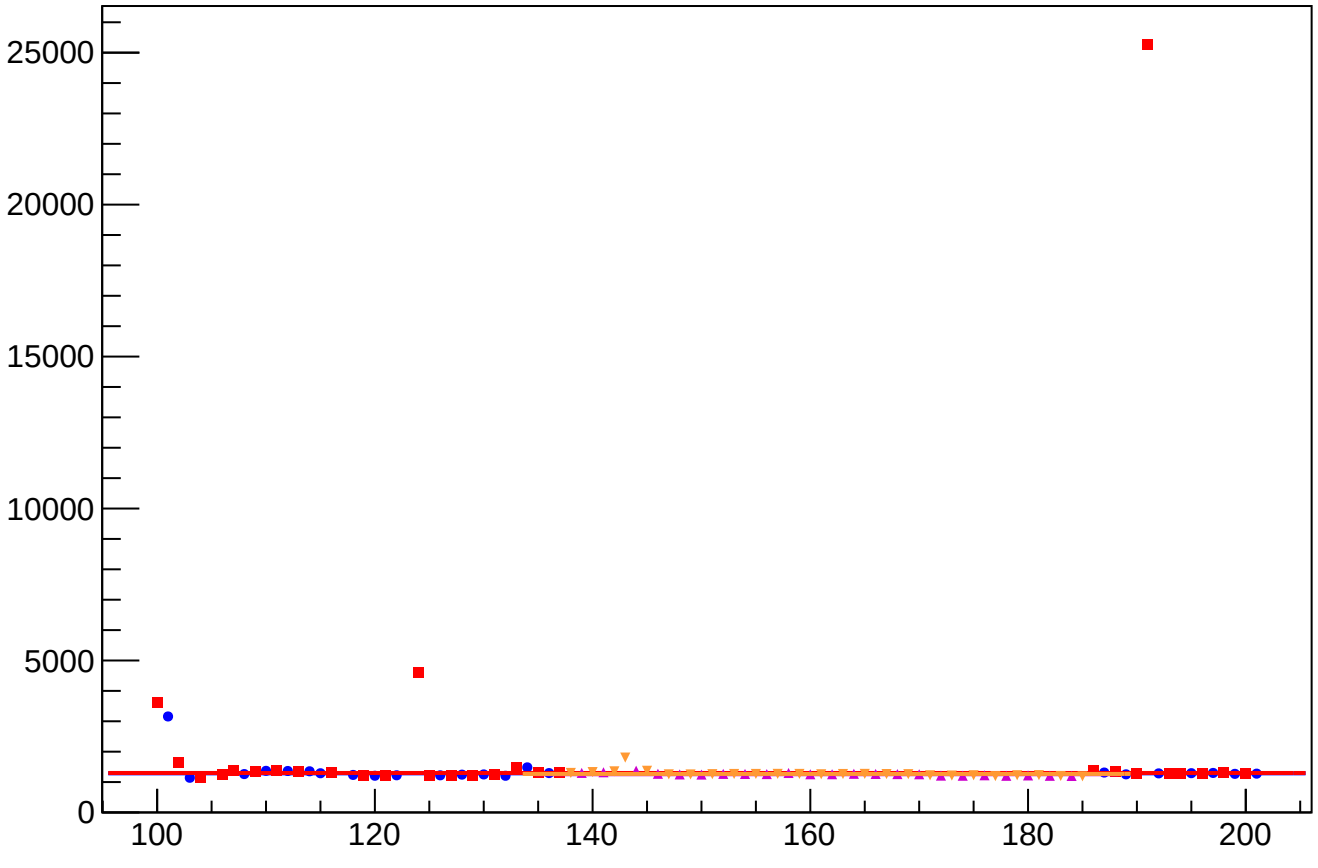
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -158.076+/-258.034 χ^2/NDF: 40.0/50

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -54.453+/-160.911 χ^2/NDF: 107.2/98



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: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

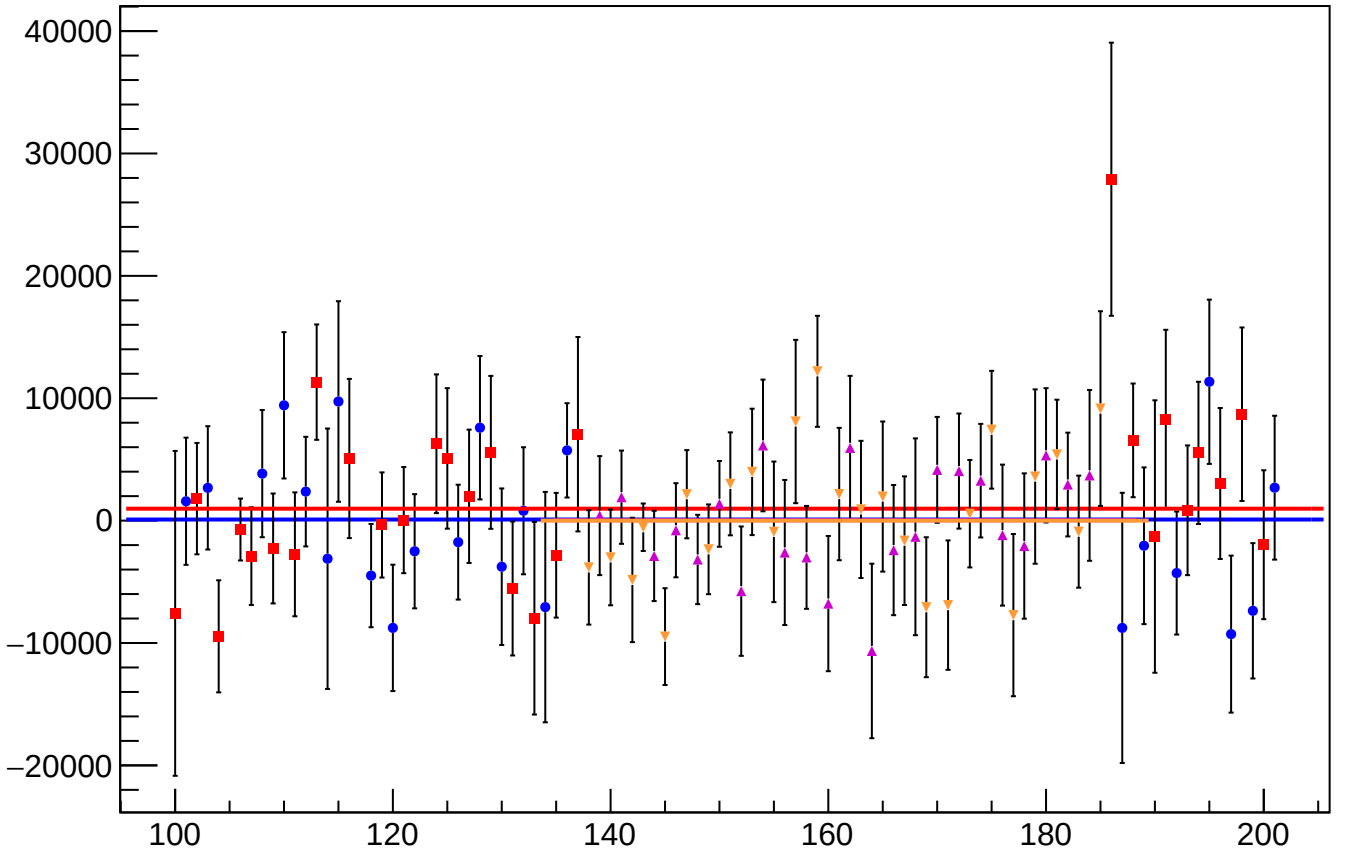
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.017+/-0.182 χ^2/NDF: 983708.8/50

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98



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: 975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

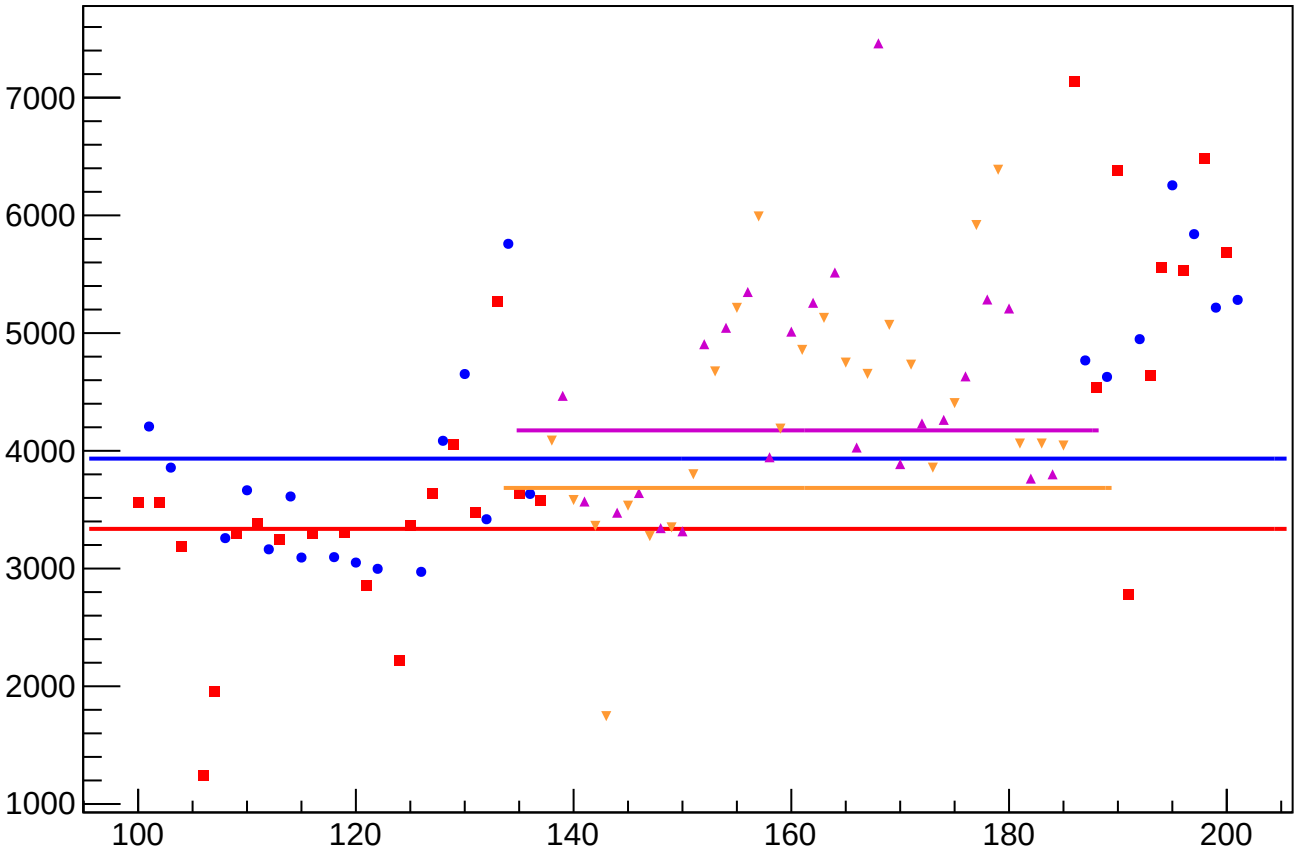
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 602.046+/-749.671 χ^2/NDF: 52.9/50

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 271.438+/-496.218 χ^2/NDF: 96.4/98



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

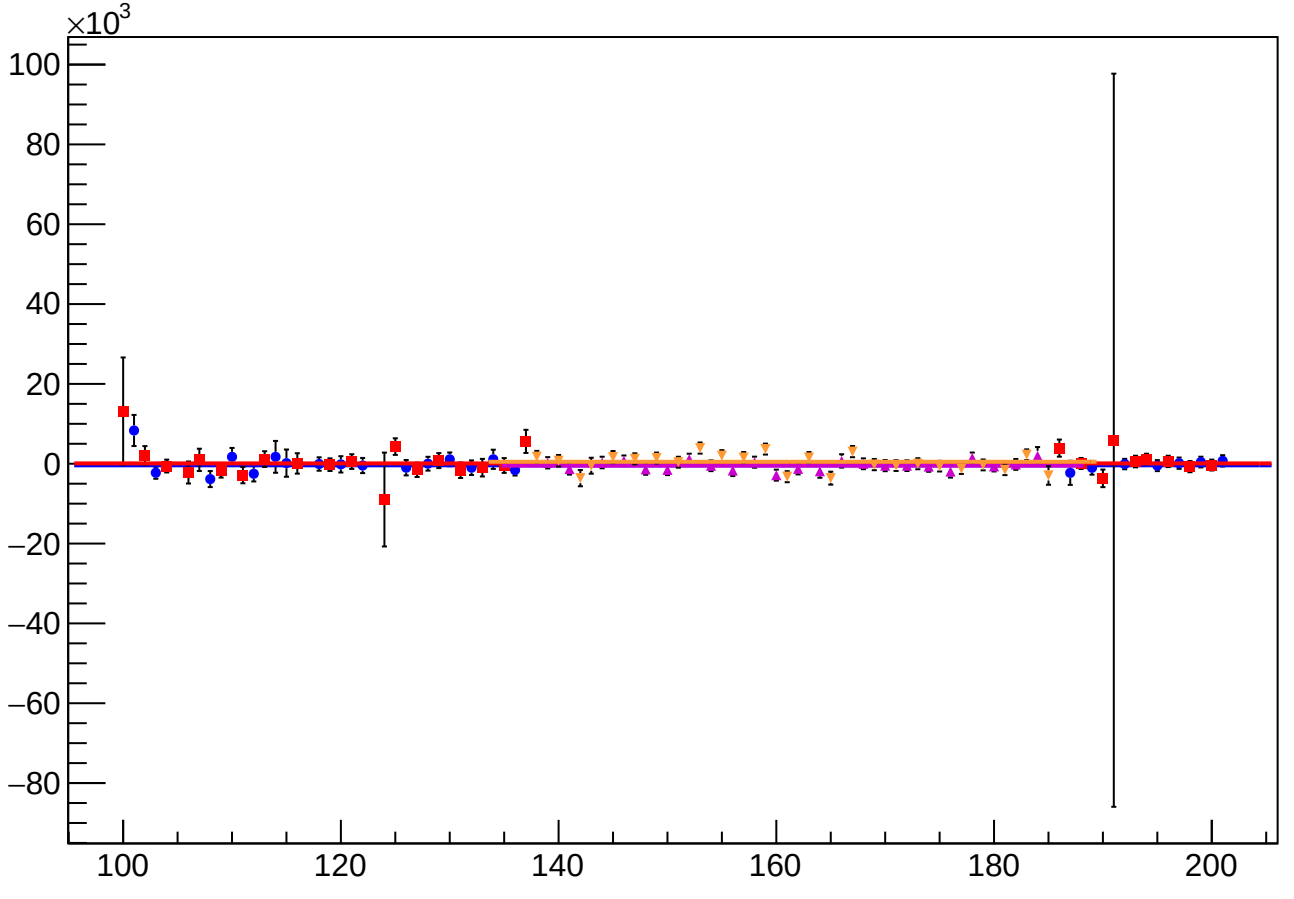
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3588.424+/-0.530 χ^2/NDF: 5387553.3/50

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

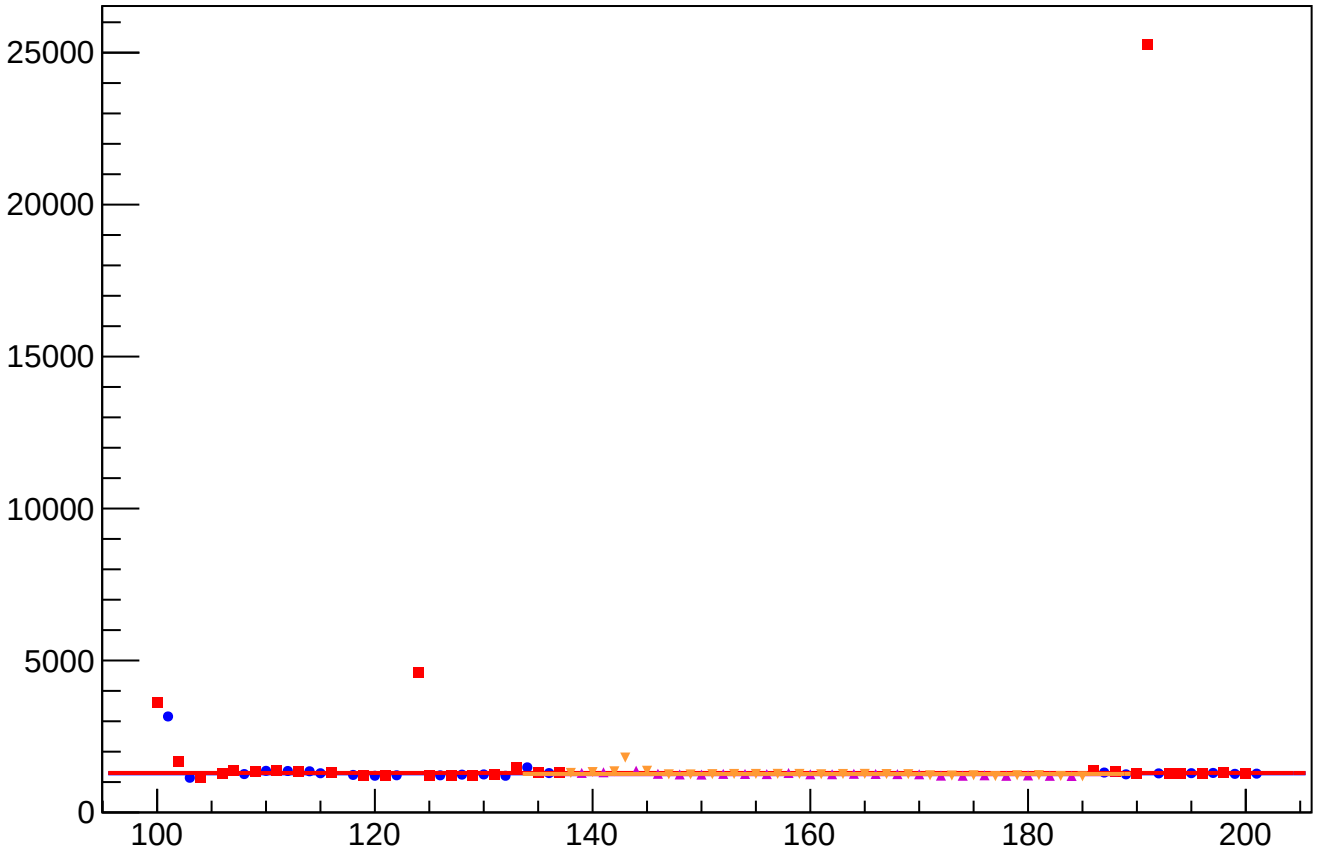
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

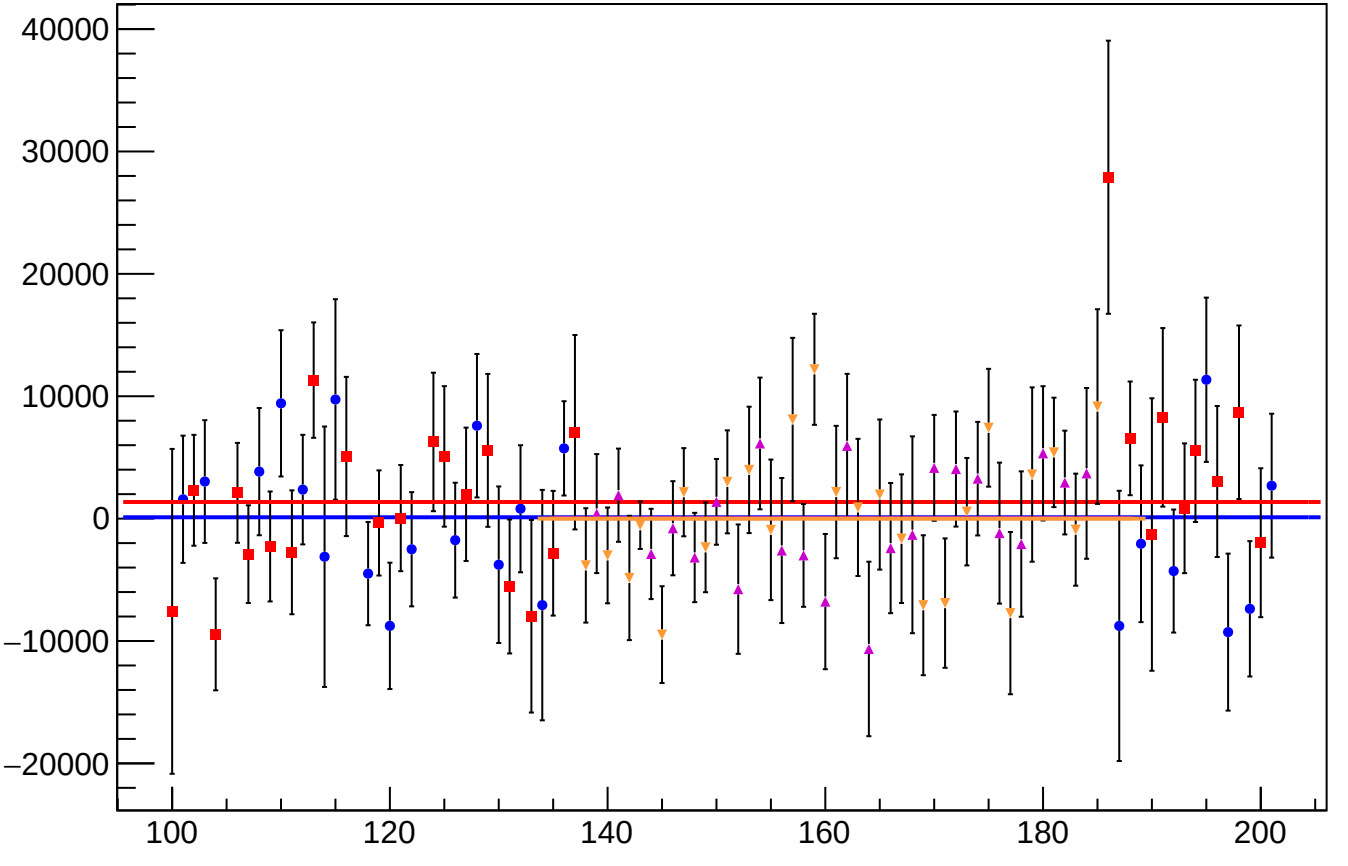
Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

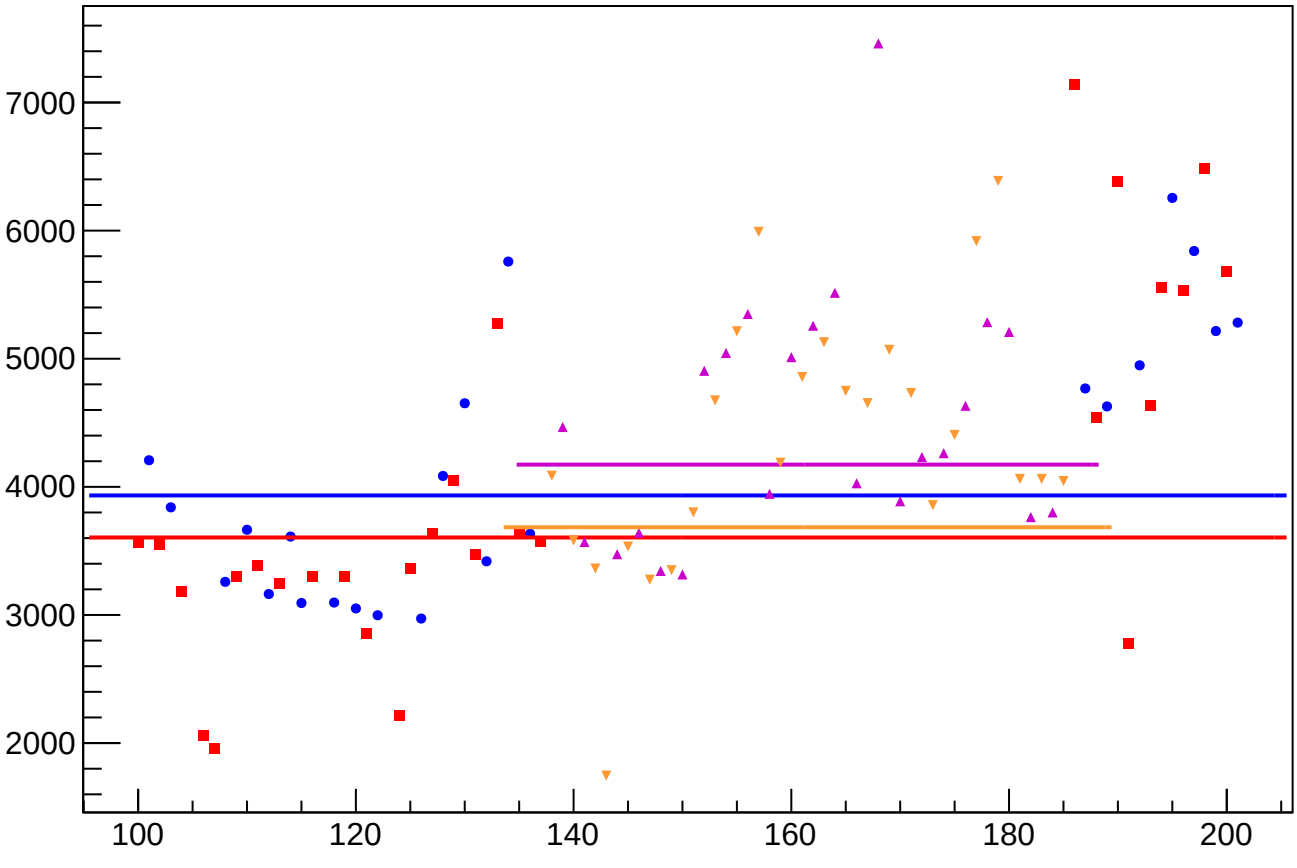
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

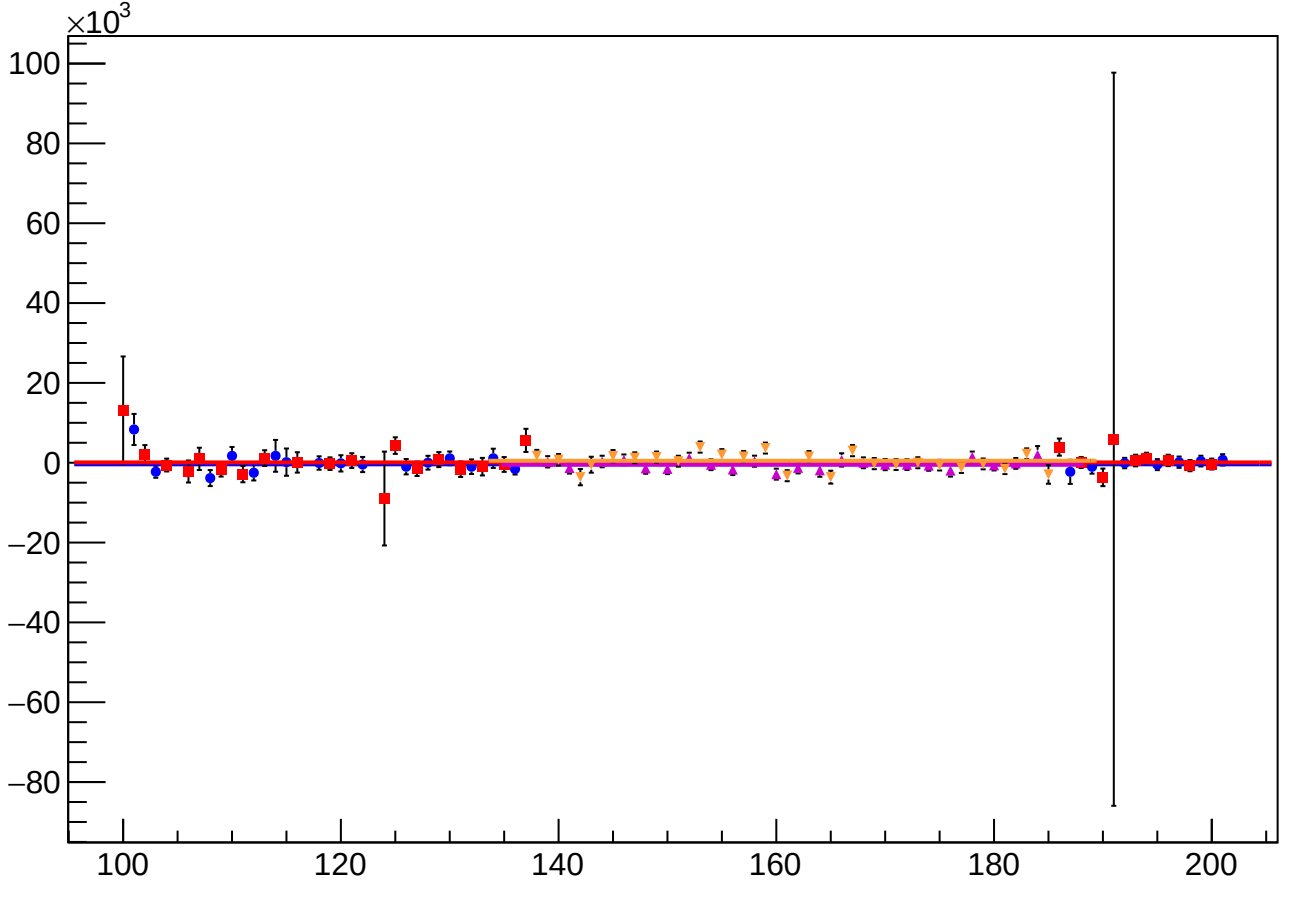
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3750.945+/-0.545 χ^2/NDF: 3856682.1/50

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

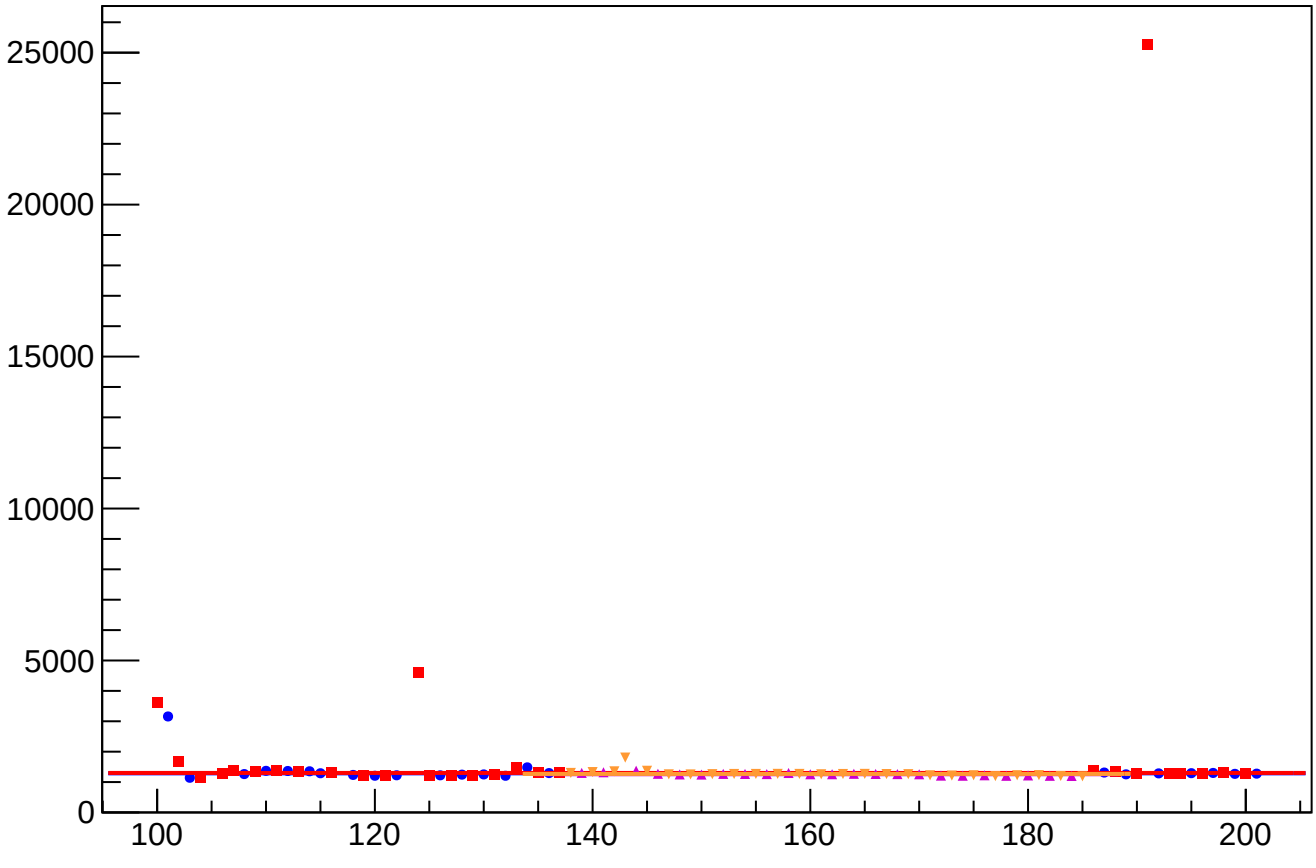
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

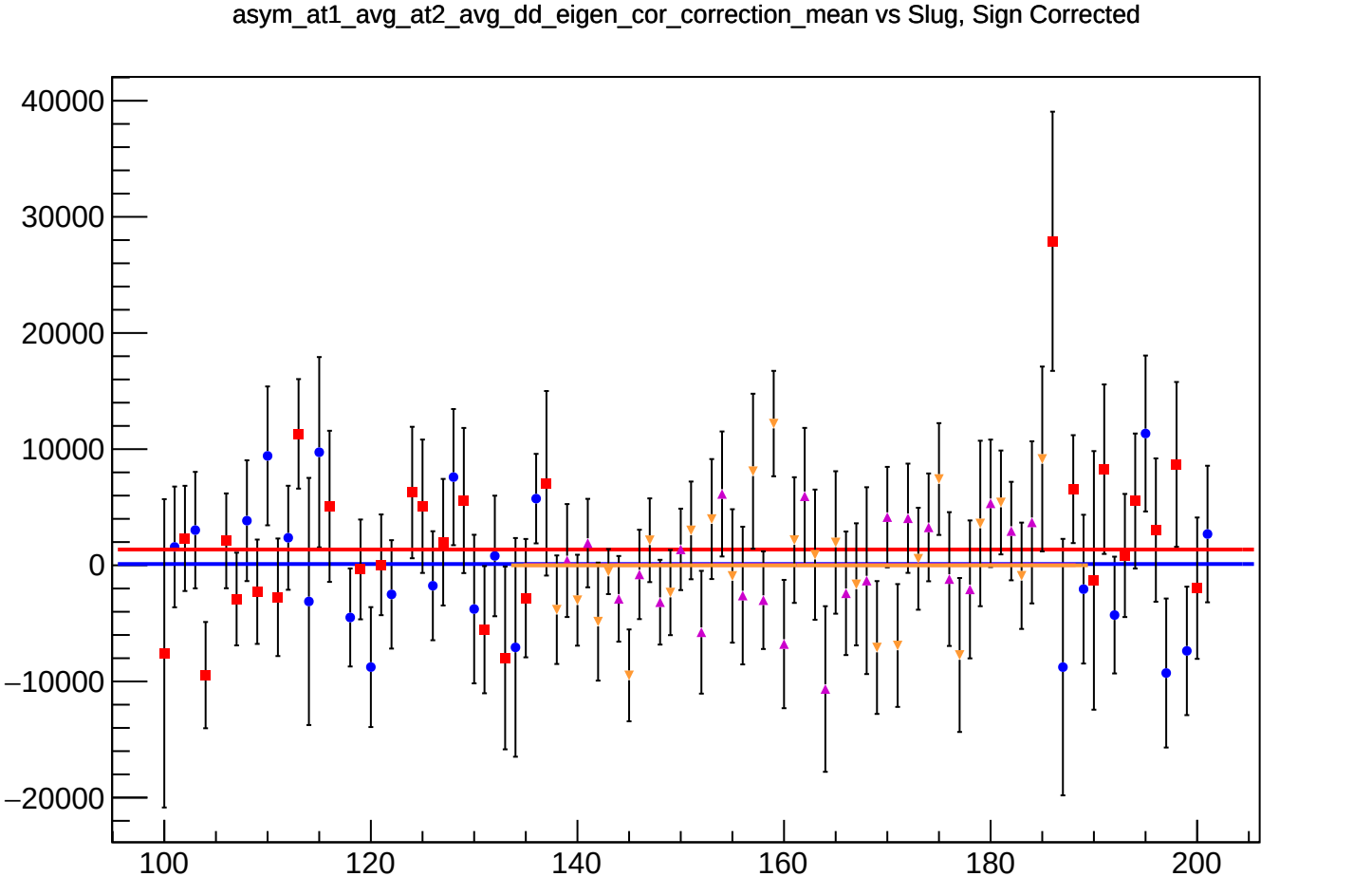
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98



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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

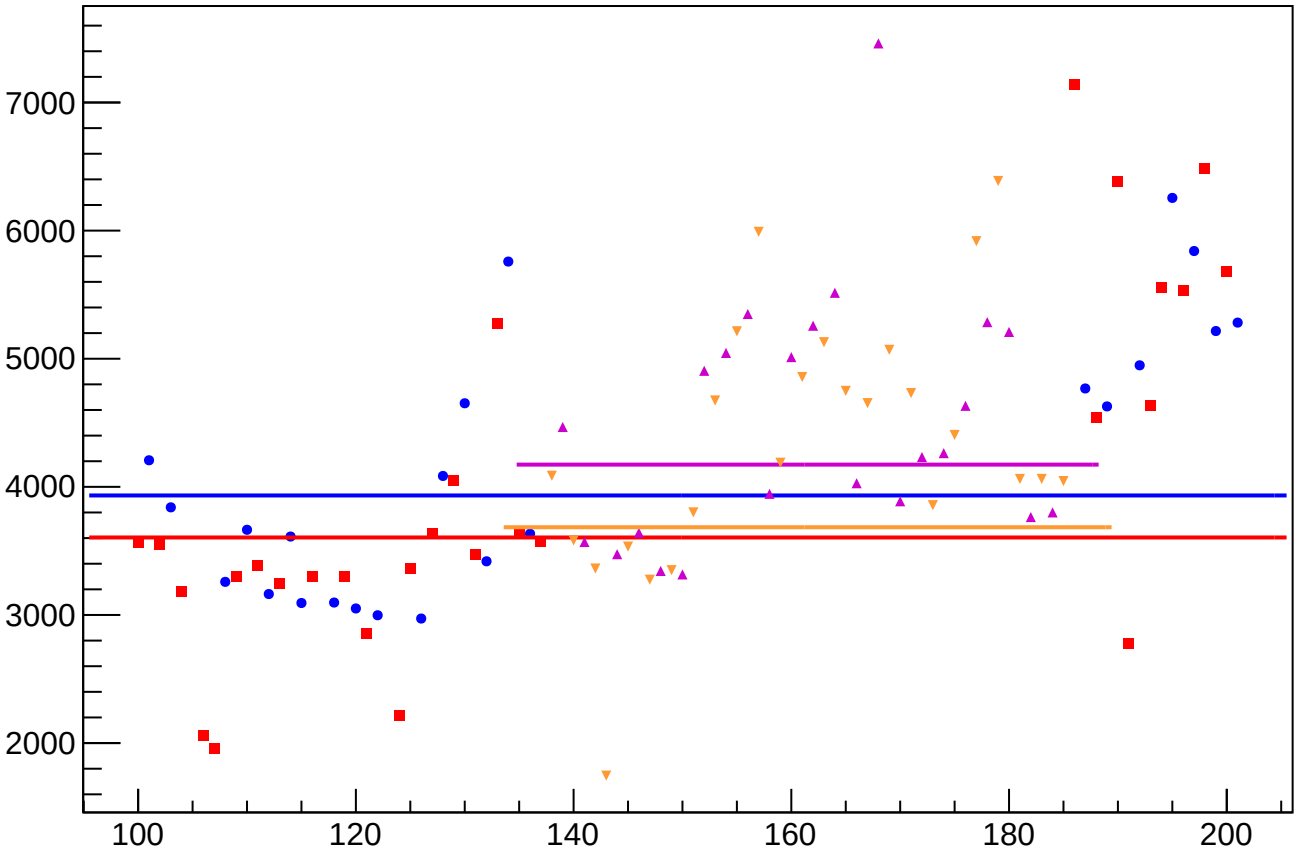
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

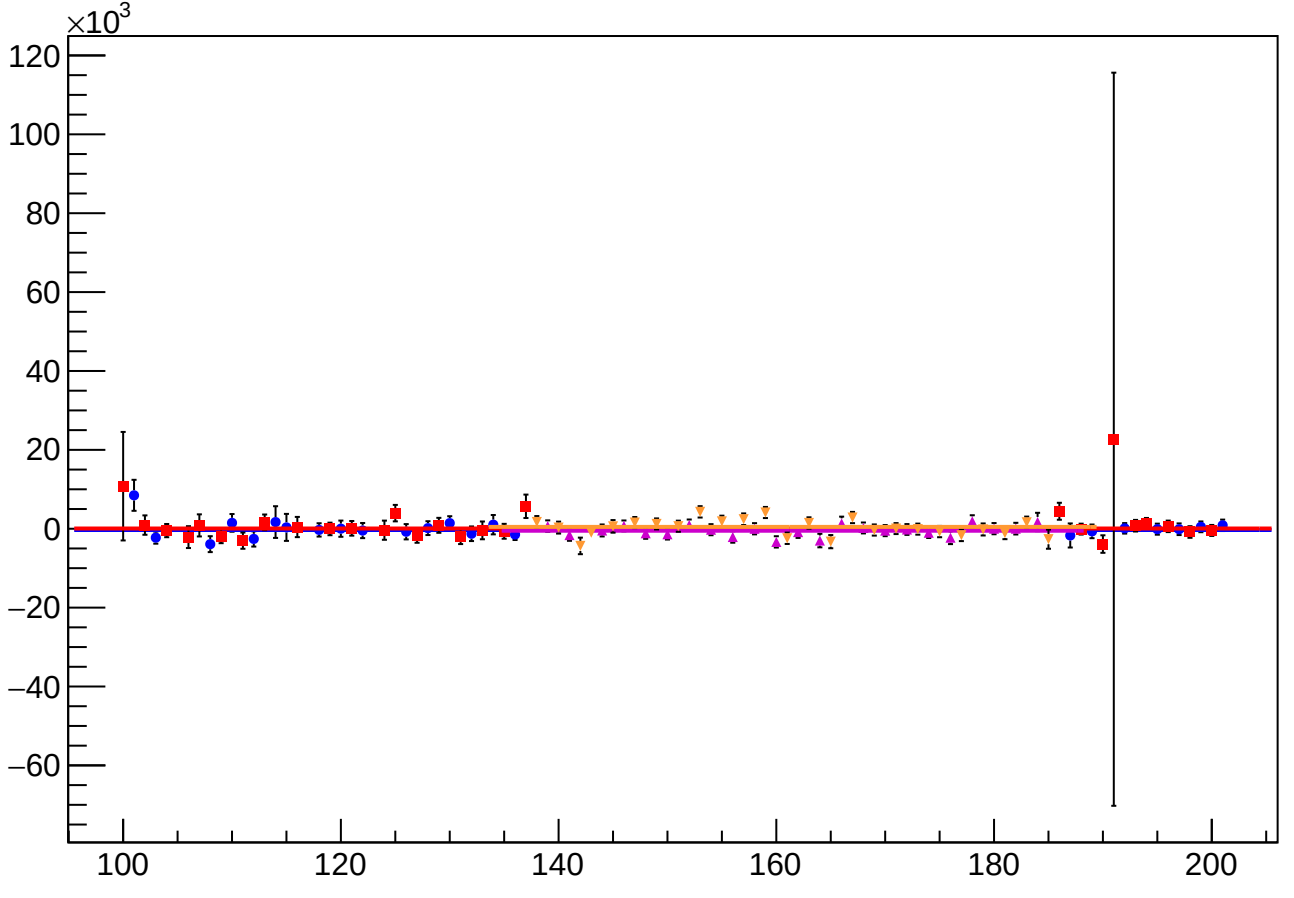
Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98


asym_at1_avg_at2_avg_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: 3604.832+/-0.732 χ²/NDF: 2460614.3/27
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3750.945+/-0.545 χ²/NDF: 3856682.1/50
In: 4070.950+/-0.533 χ²/NDF:2631350.2/45
Out: 3650.929+/-0.476 χ²/NDF:6161183.8/52
All: 3837.268+/-0.355 χ²/NDF: 9137917.0/98



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: 57.926+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

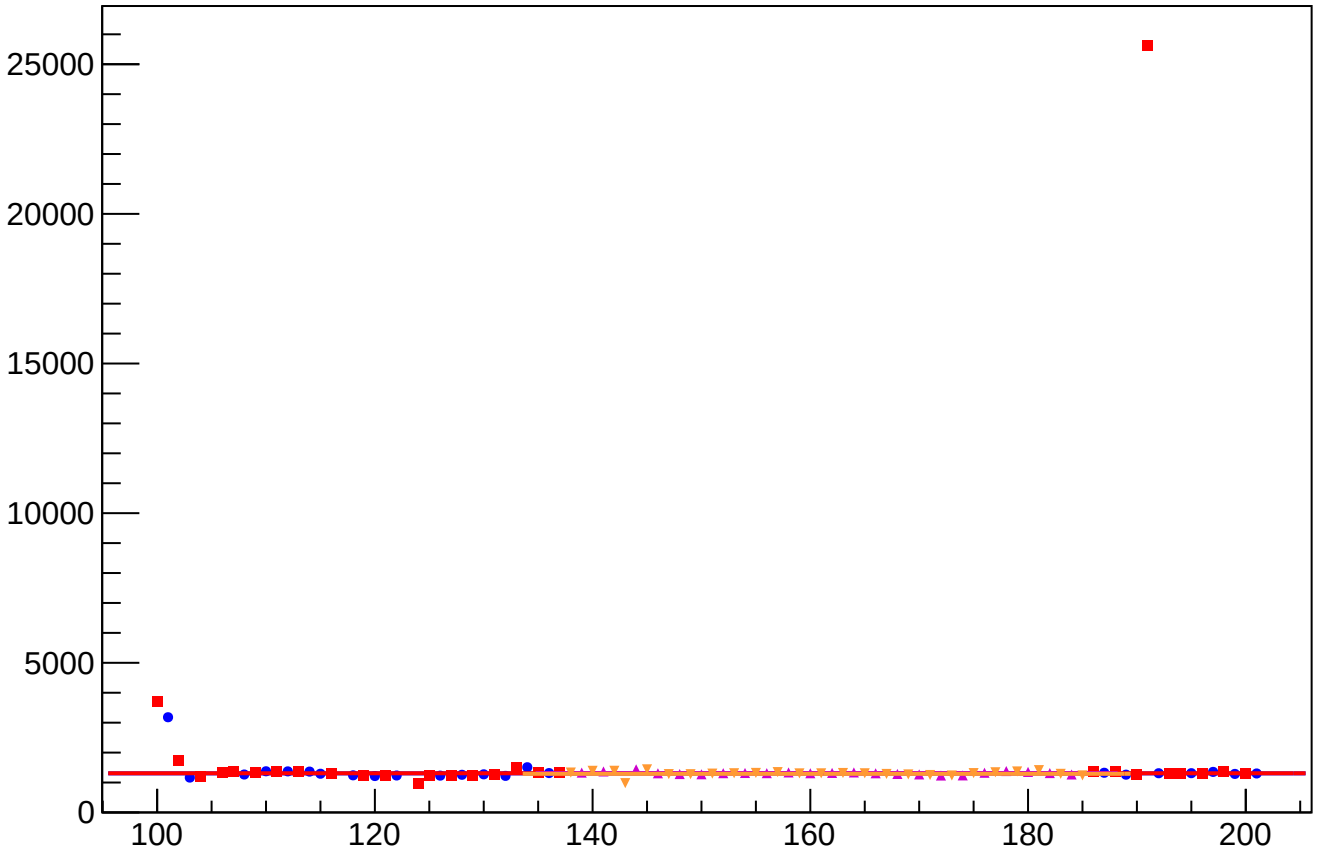
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -124.441+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

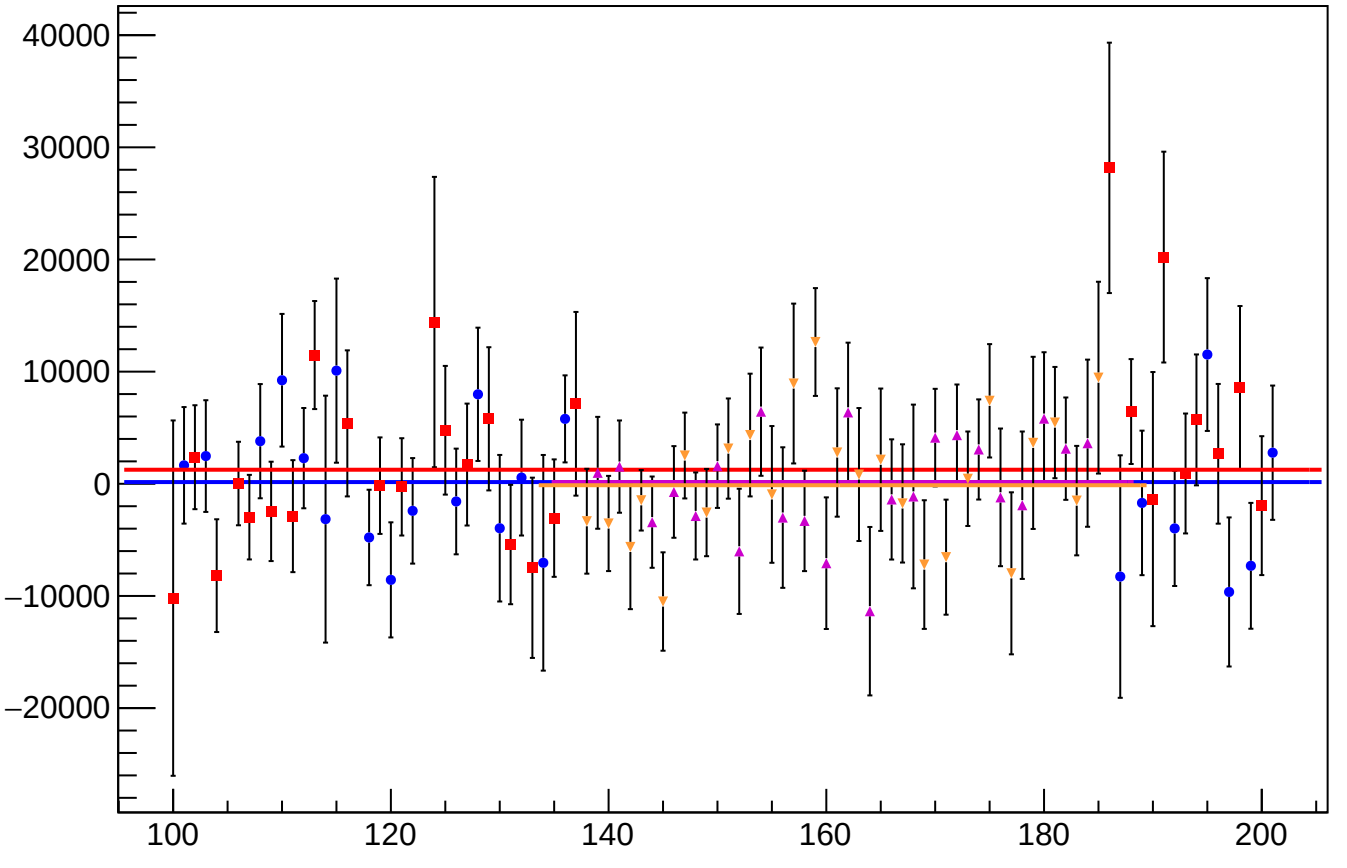
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1307.597+/-0.184 χ^2/NDF: 877925.3/50

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98



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: 1253.721+/-1052.769 χ^2/NDF: 30.9/27

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

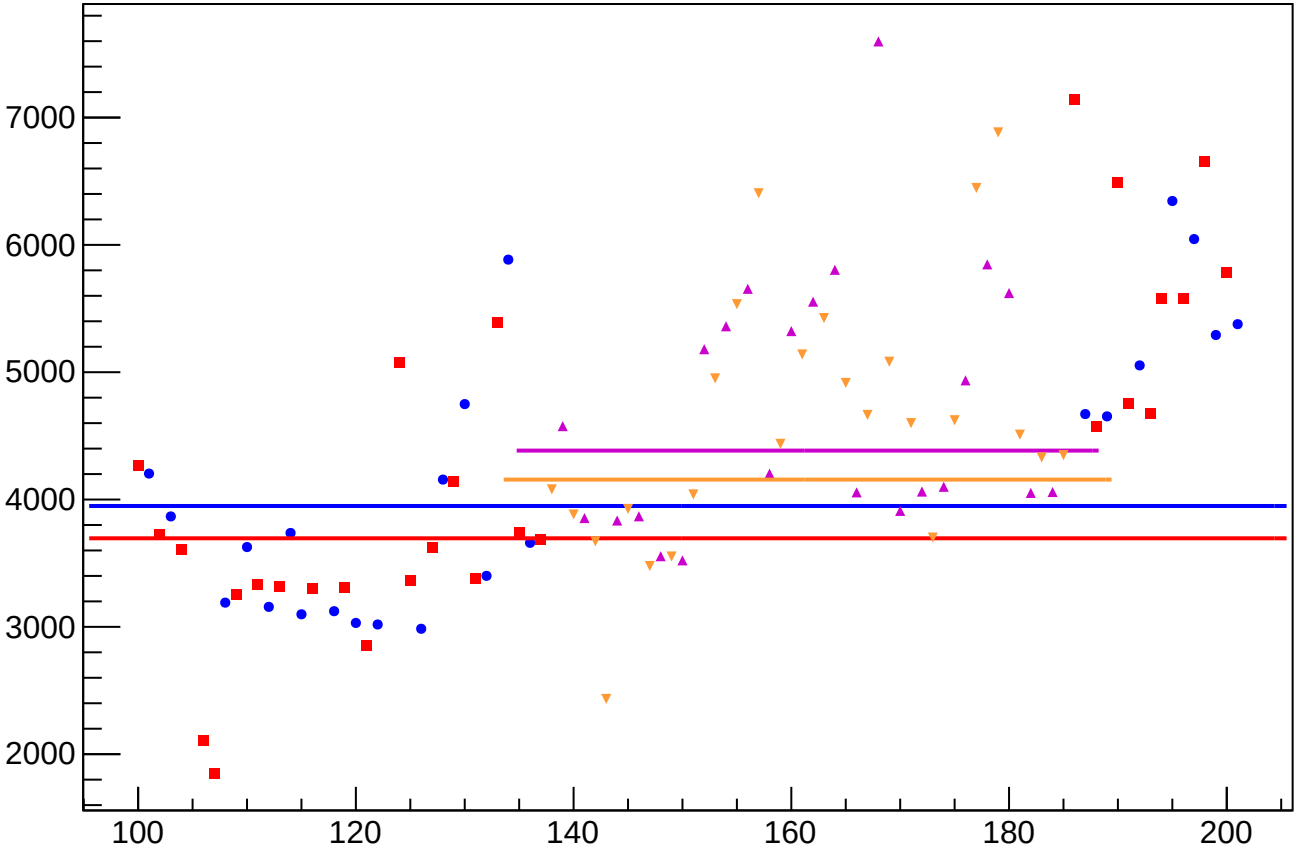
Right: 757.402+/-779.861 χ^2/NDF: 54.1/50

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 348.828+/-526.592 χ^2/NDF: 97.0/98

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: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

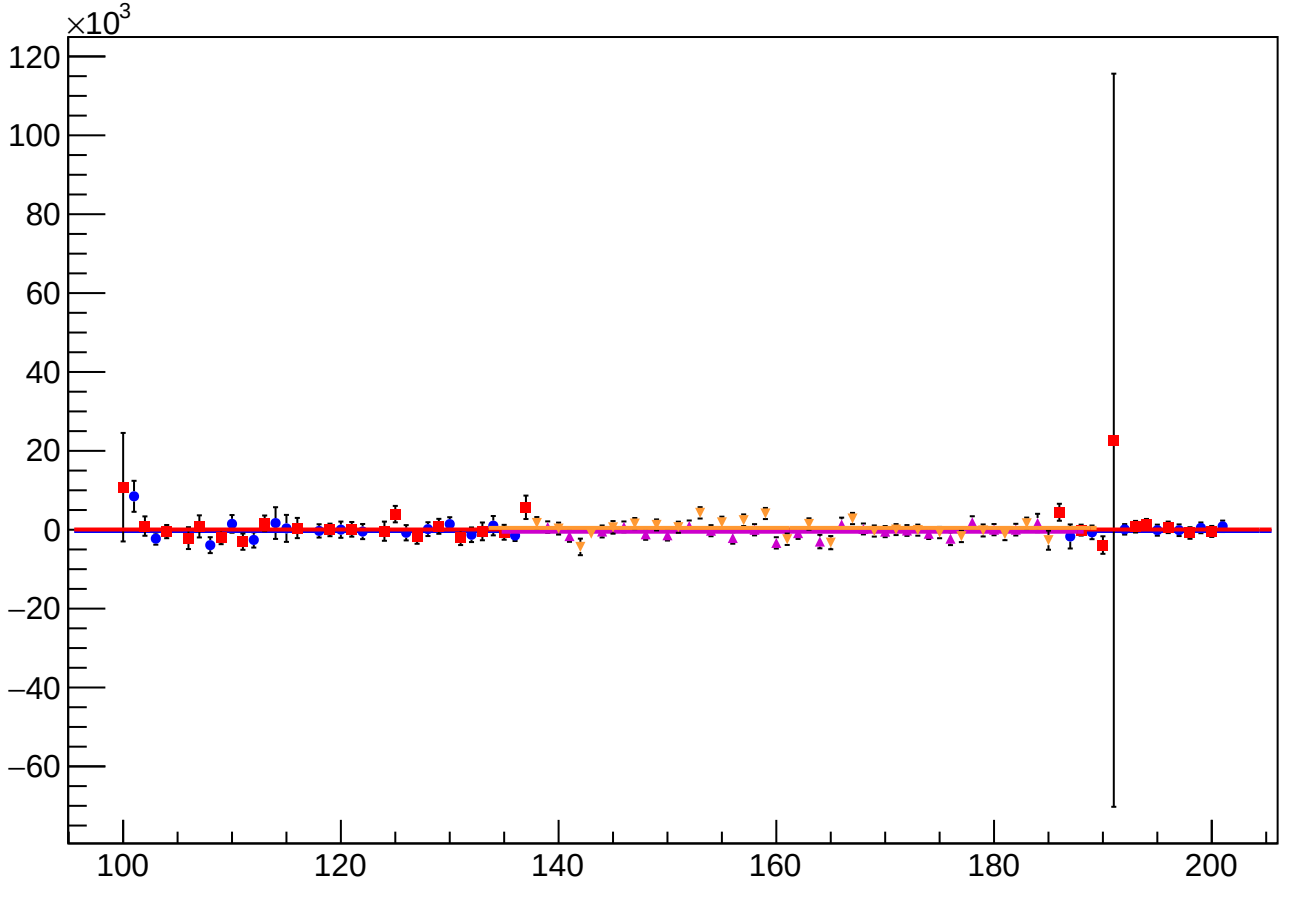
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3810.013+/-0.551 χ^2/NDF: 3987603.3/50

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98



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: 57.922+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

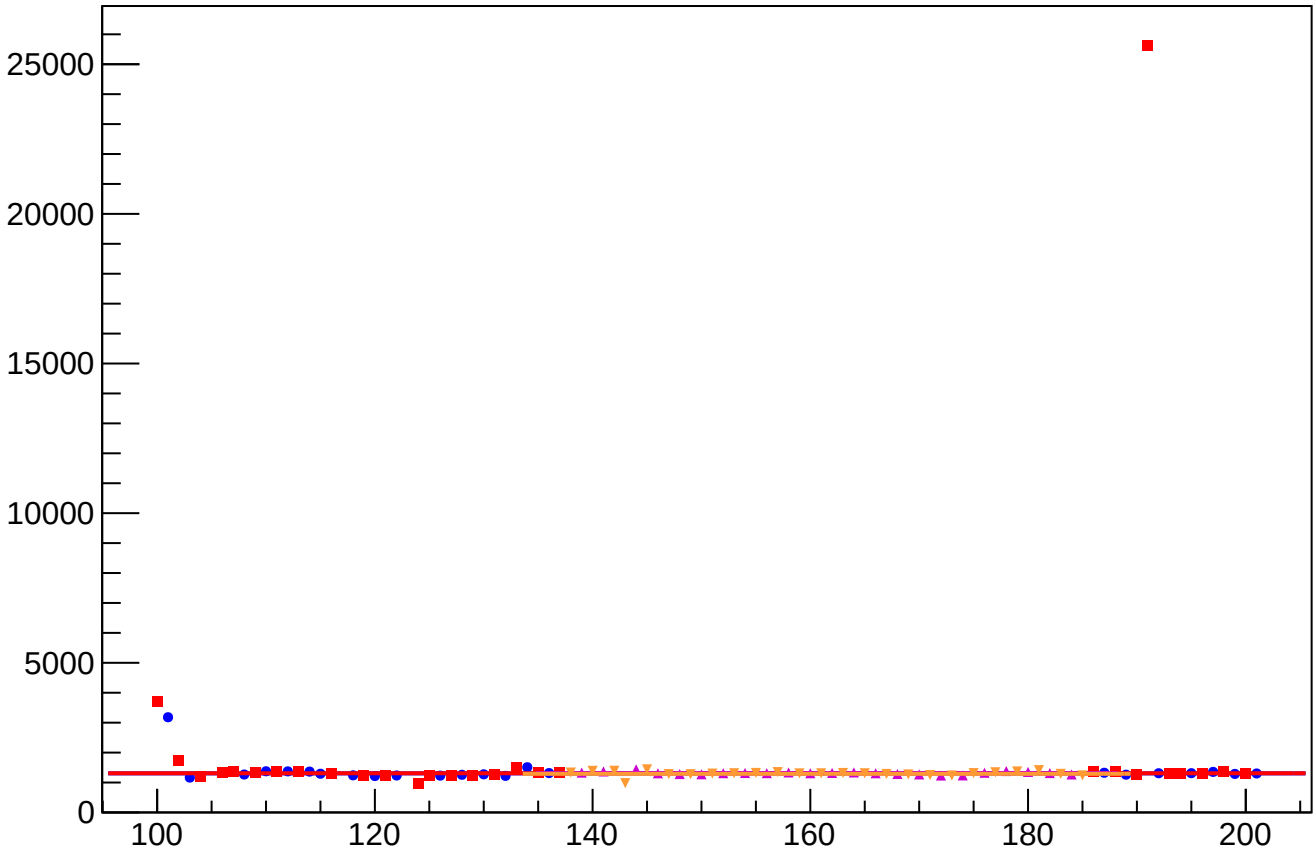
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -124.443+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

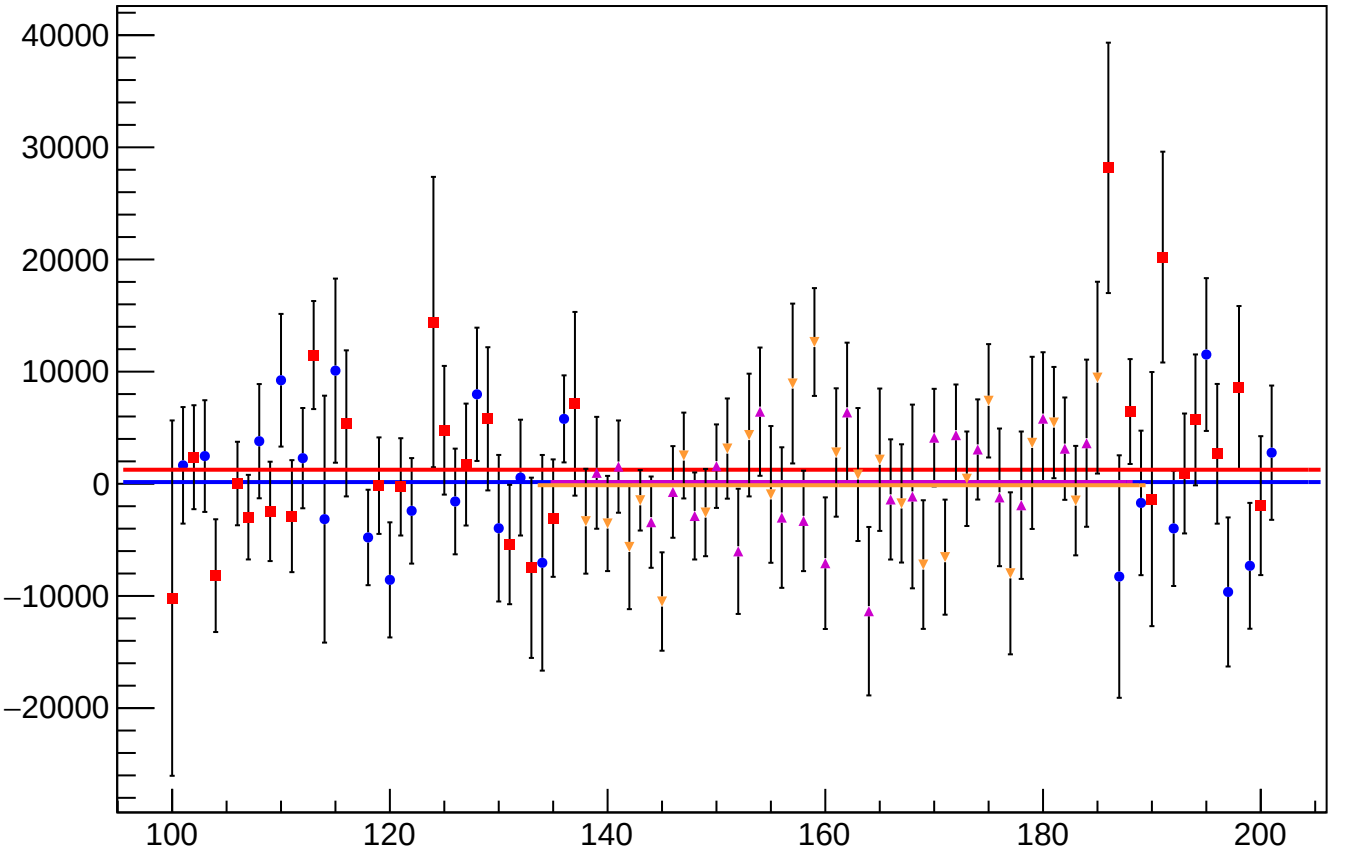
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1307.597+/-0.184 χ^2/NDF: 877925.8/50

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98



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: 1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

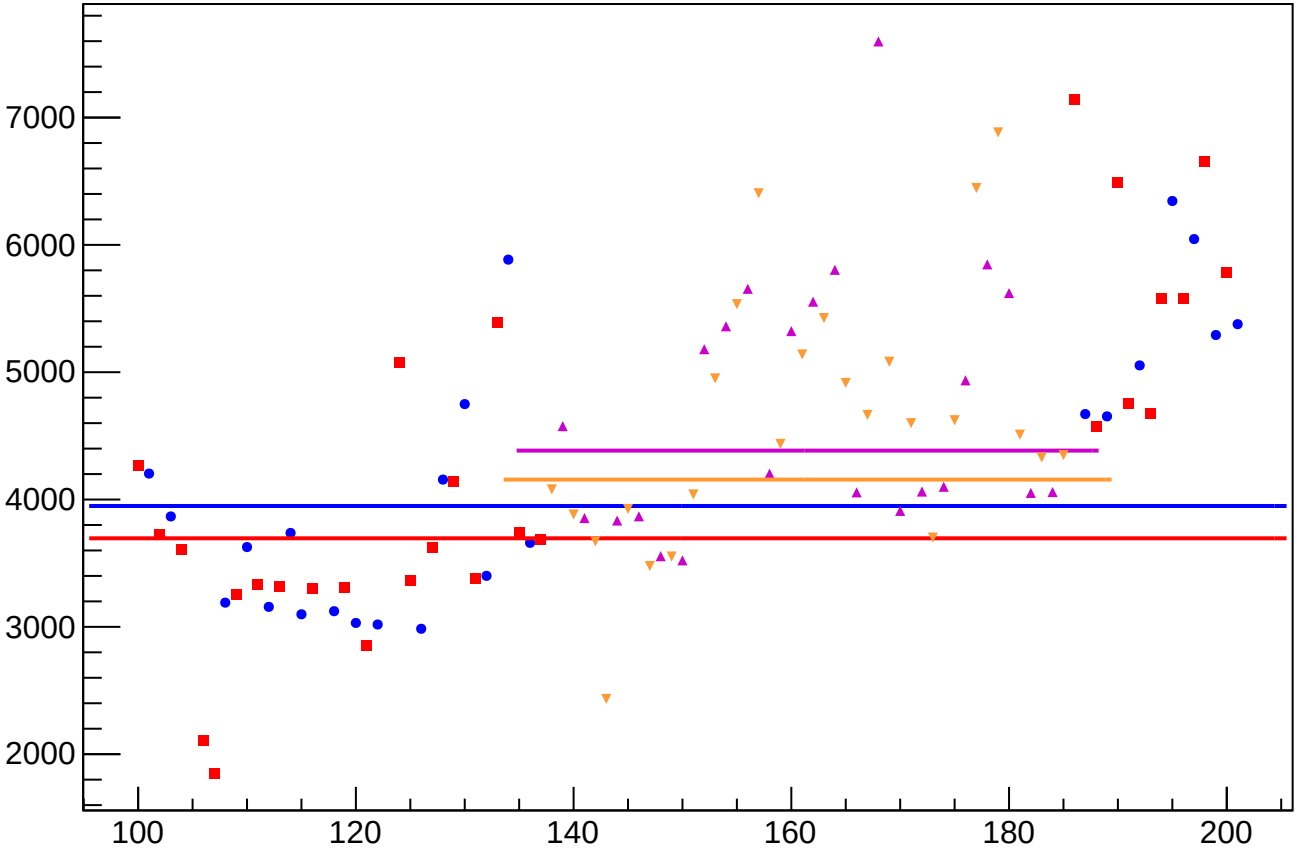
Right: 757.395+/-779.860 χ^2/NDF: 54.1/50

In: 156.948+/-776.897 χ^2/NDF:36.5/45

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 348.827+/-526.592 χ^2/NDF: 97.0/98

asym_at1_avg_at2_avg_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: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

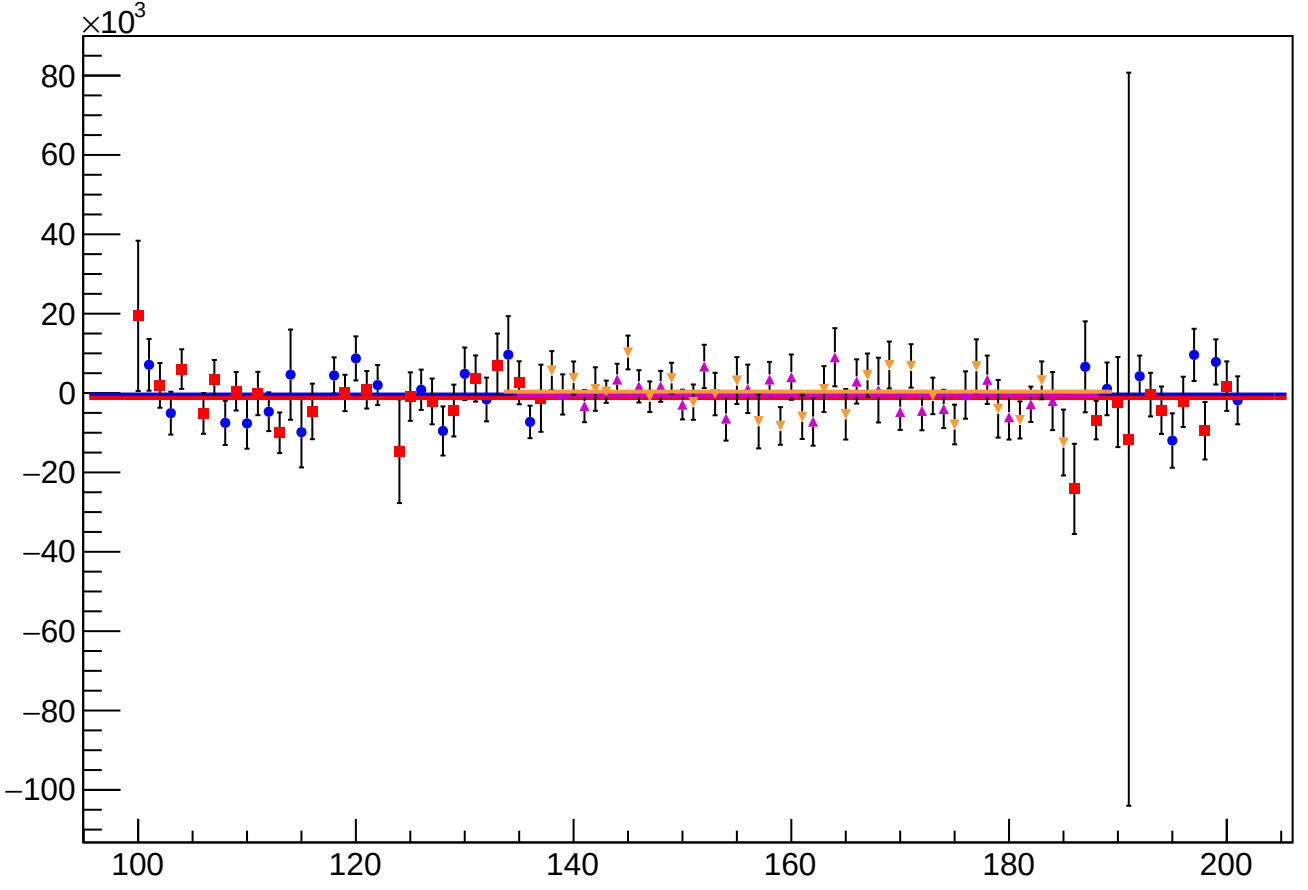
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3810.006+/-0.551 χ^2/NDF: 3987642.1/50

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98



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: -1246.727+/-1155.430 χ^2/NDF: 19.5/27

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

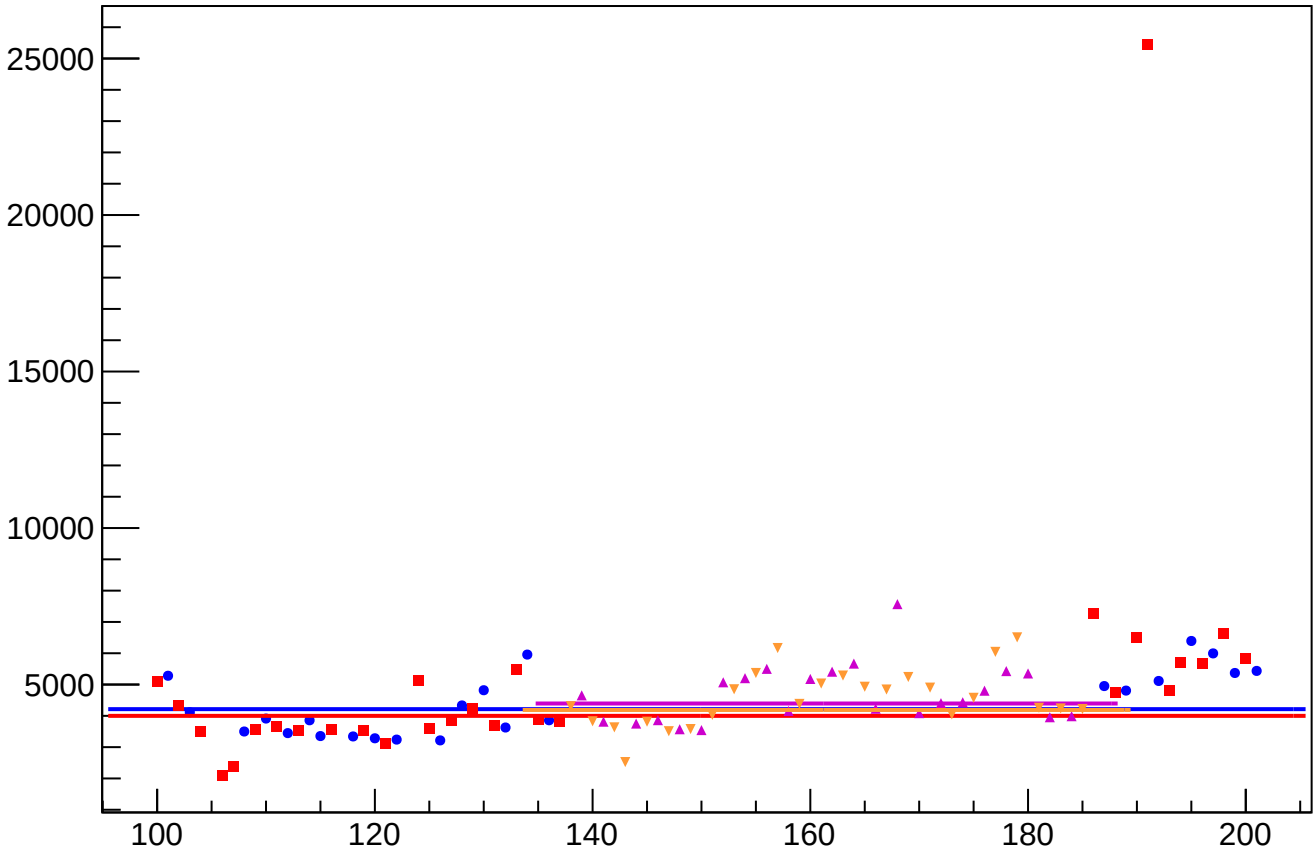
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -839.851+/-843.089 χ^2/NDF: 46.3/50

In: -446.963+/-797.058 χ^2/NDF:40.4/45

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -374.431+/-545.168 χ^2/NDF: 88.7/98



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: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

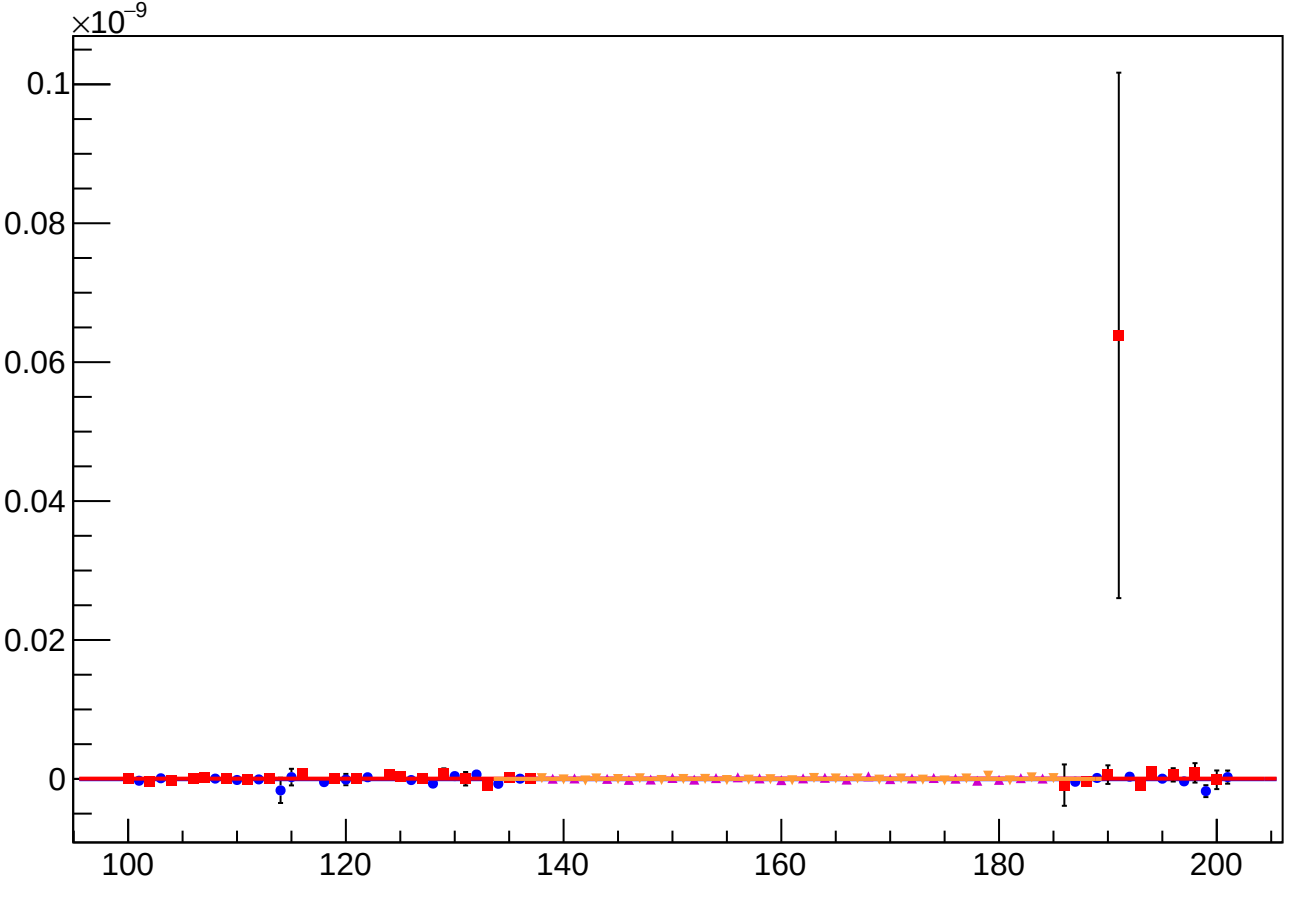
Right: 4098.888+/-0.593 χ^2/NDF: 3284062.7/50

In: 4318.986+/-0.564 χ^2/NDF:2272059.1/45

Out: 4108.244+/-0.526 χ^2/NDF:3920352.7/52

All: 4206.379+/-0.385 χ^2/NDF: 6267119.9/98

asym_at1_avg_at2_avg_dd_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: 26.5/27

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

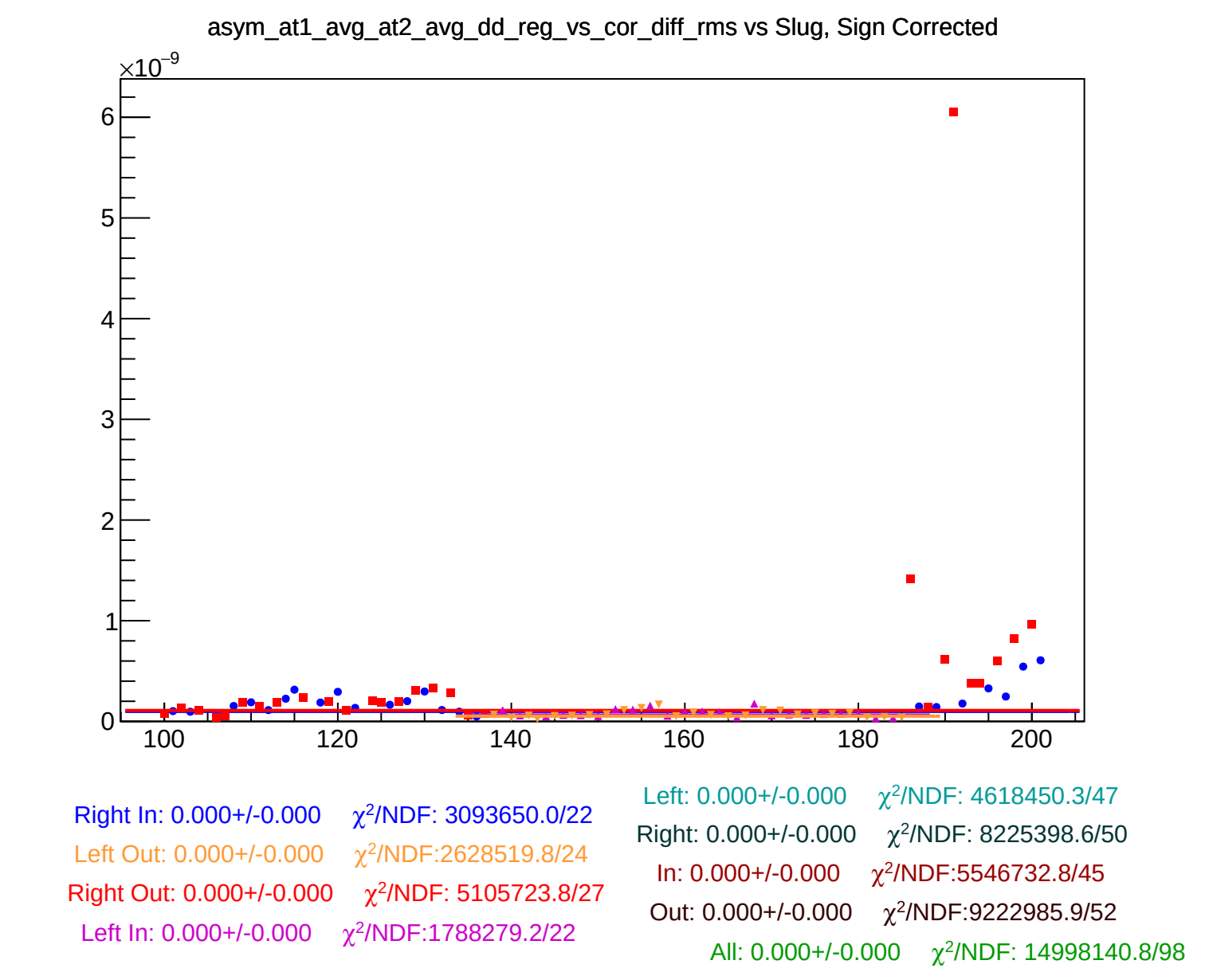
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 50.0/50

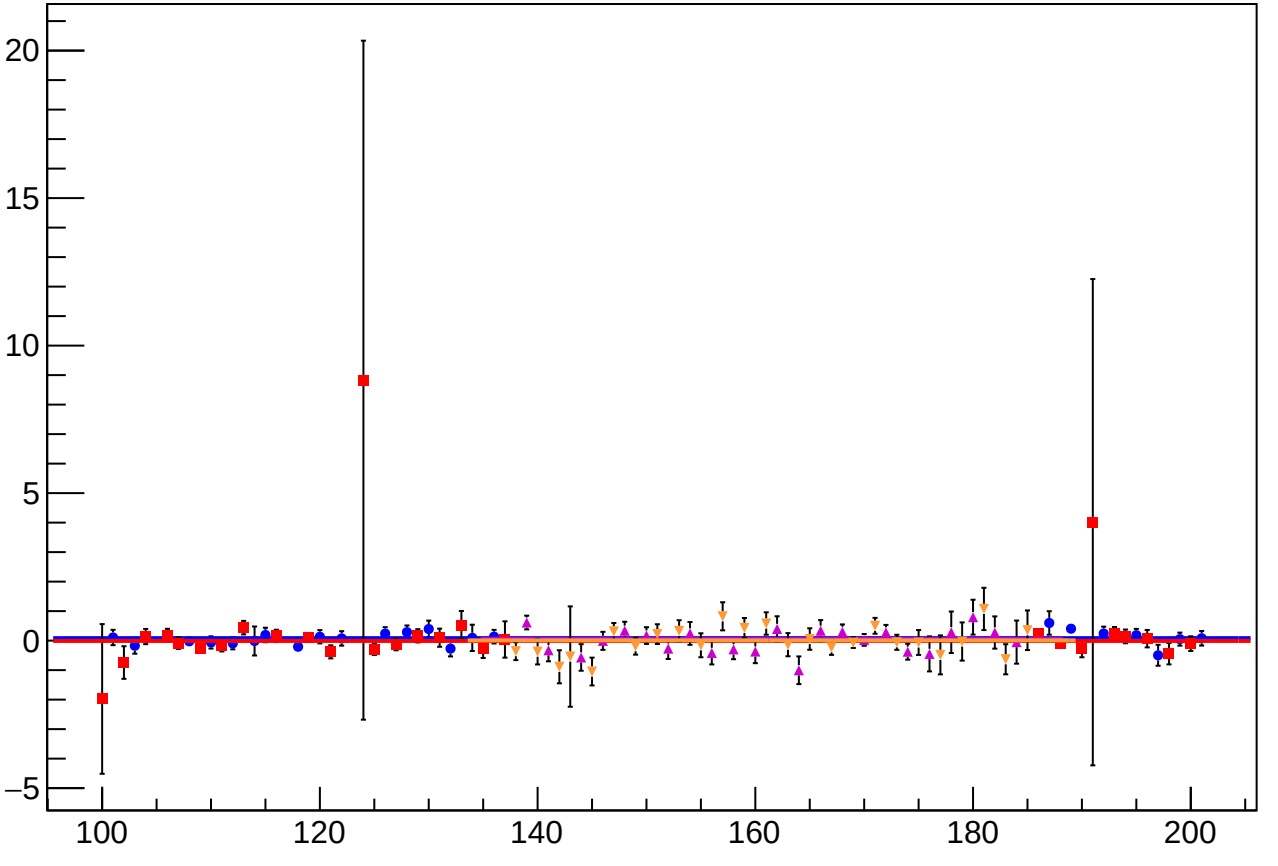
In: 0.000+/-0.000 χ^2/NDF:40.6/45

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/98


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
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: 5105723.8/27
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: 8225398.6/50
In: 0.000+/-0.000 χ²/NDF:5546732.8/45
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14998140.8/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

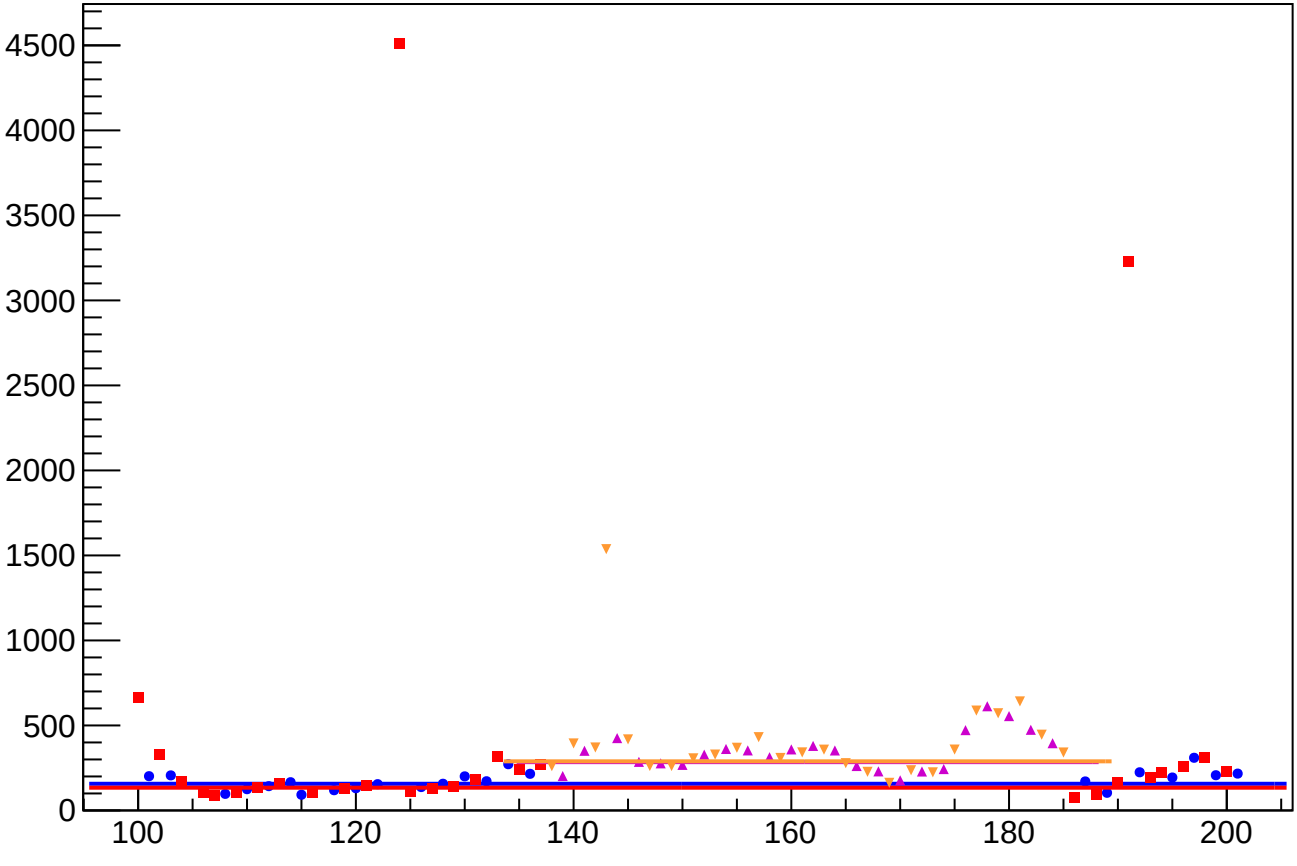
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

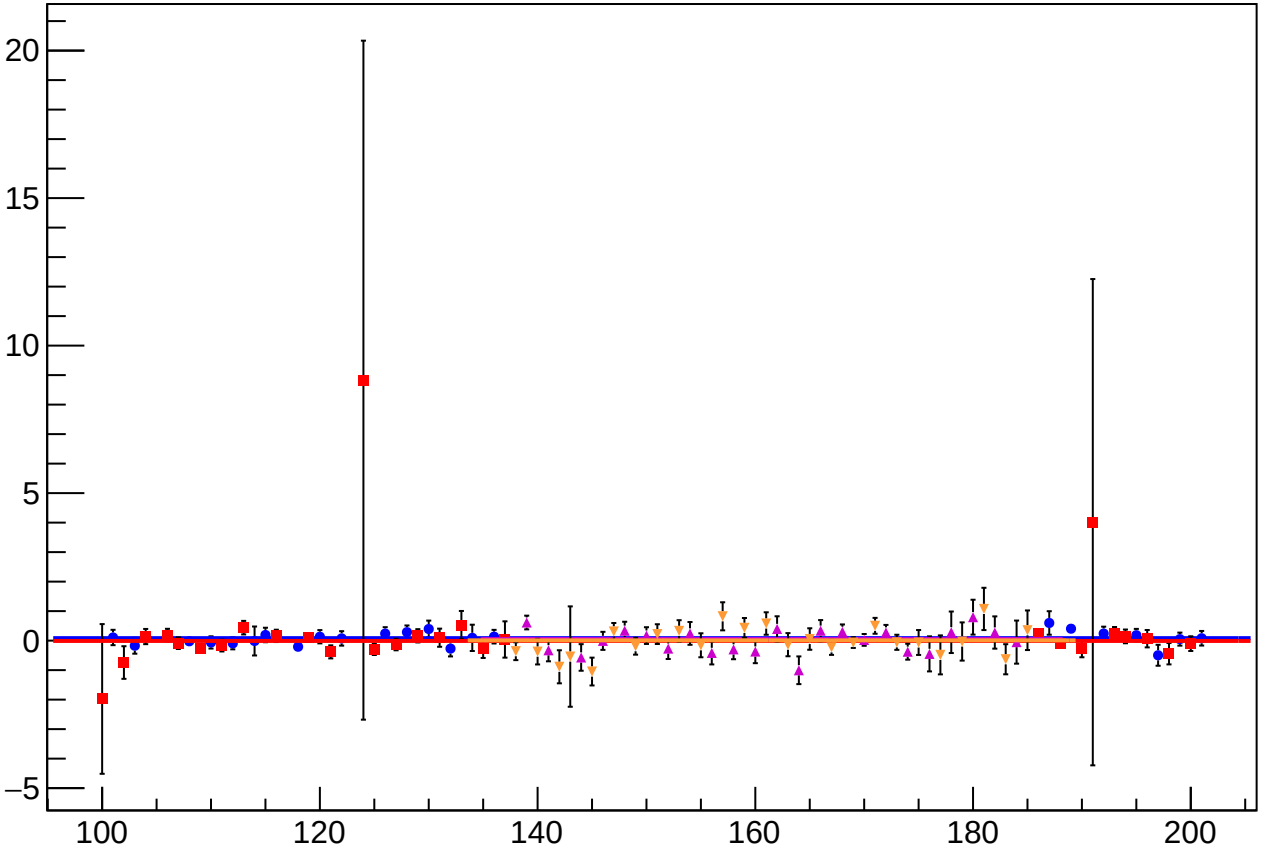
Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

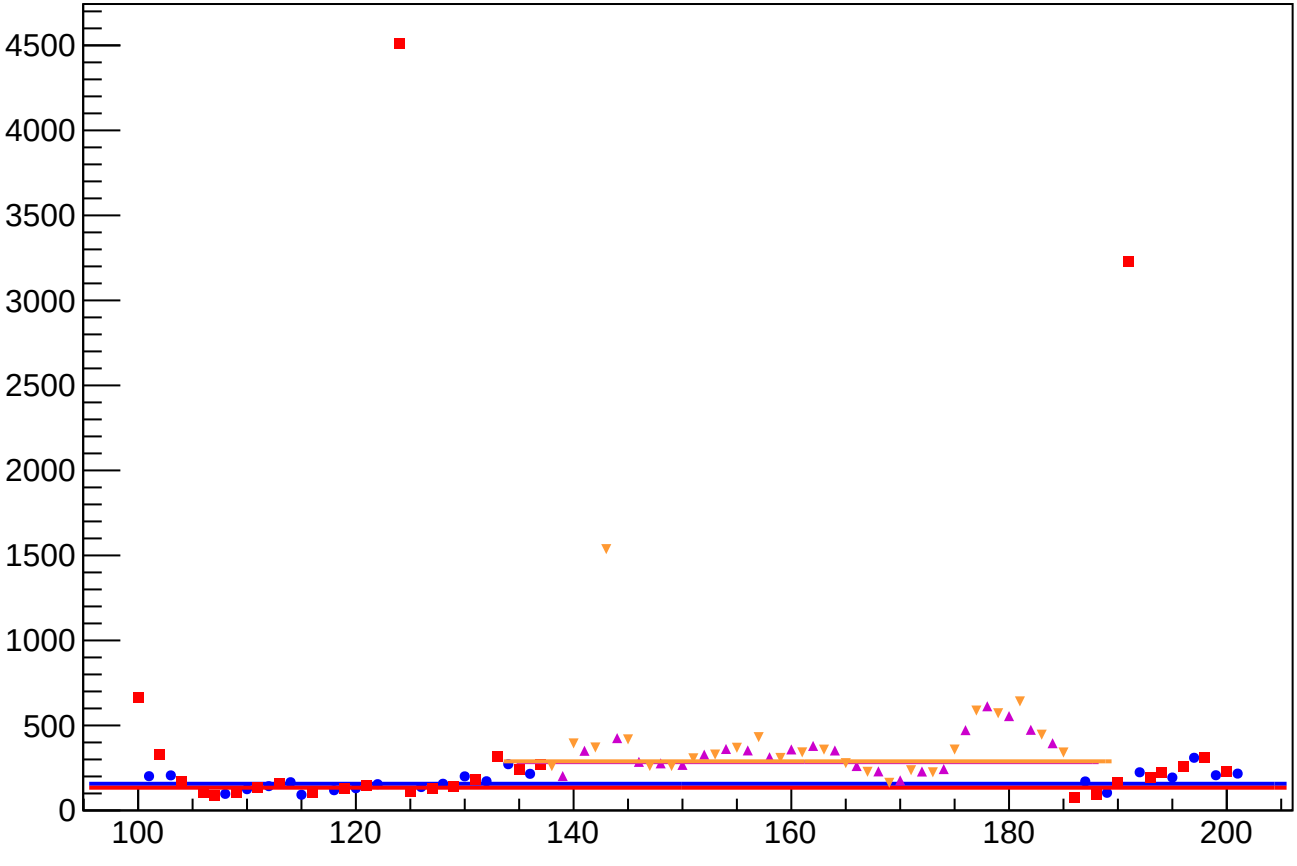
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

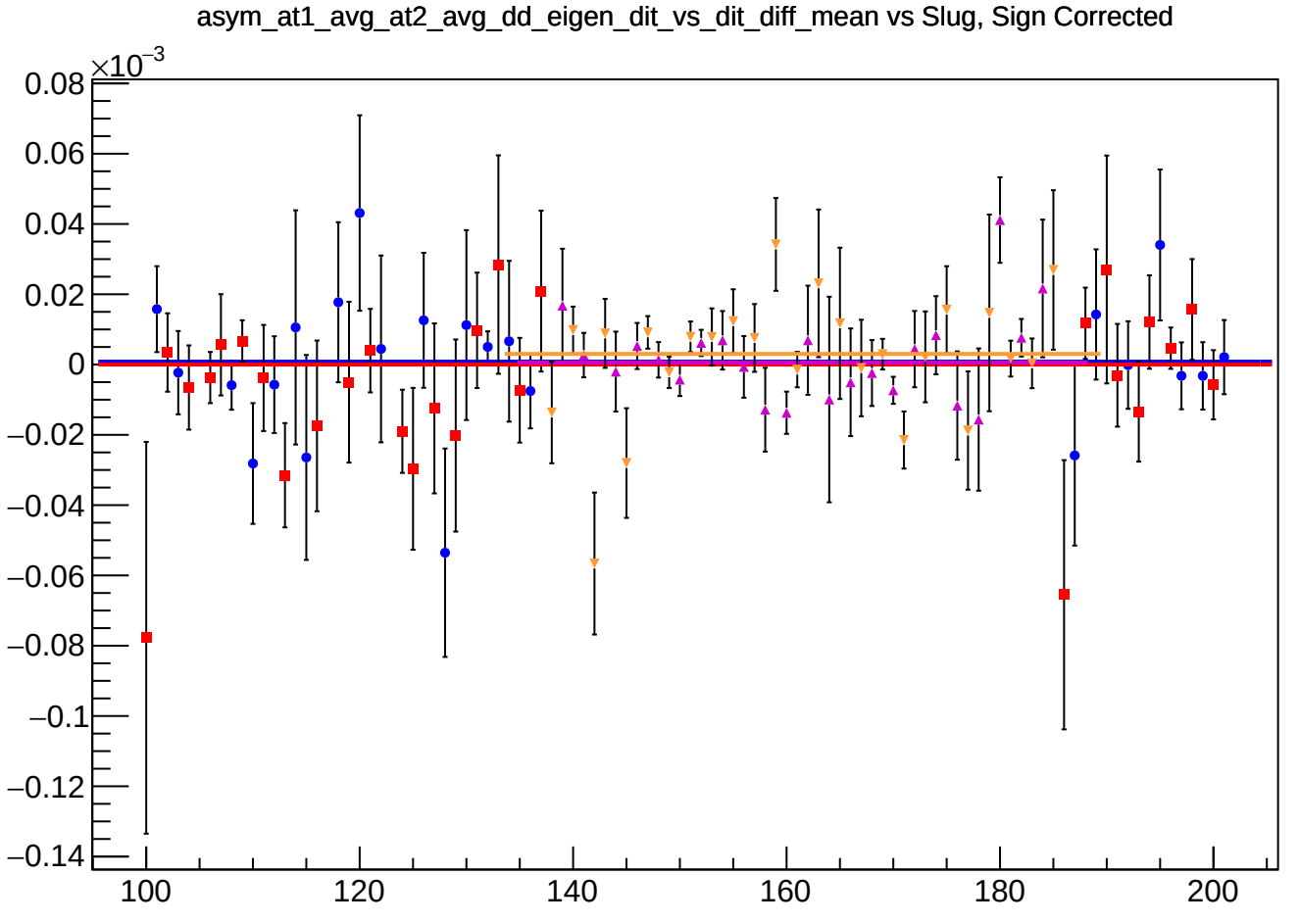
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98



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: 25.5/27

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

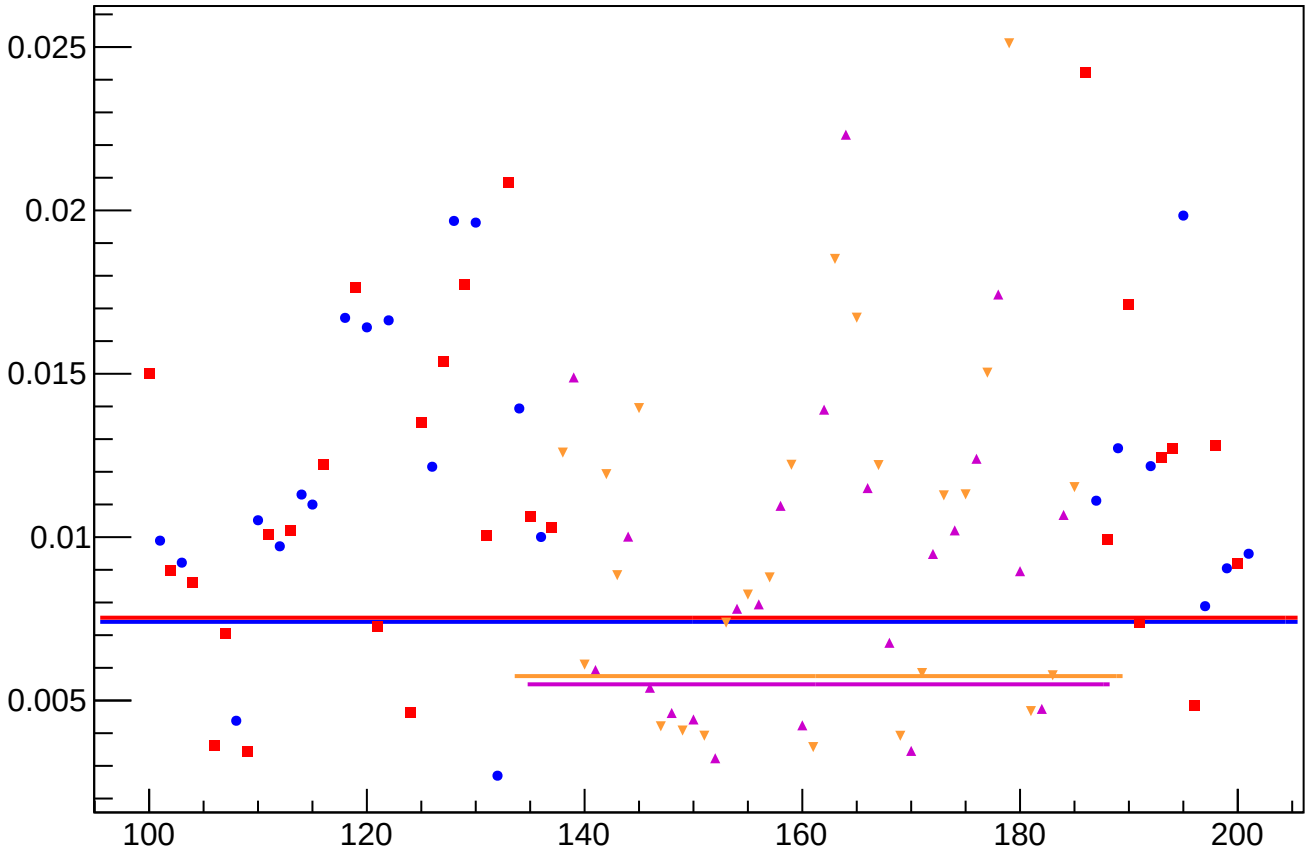
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 44.8/50

In: 0.000+/-0.000 χ^2/NDF:52.4/45

Out: 0.000+/-0.000 χ^2/NDF:68.9/52

All: 0.000+/-0.000 χ^2/NDF: 122.0/98



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: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

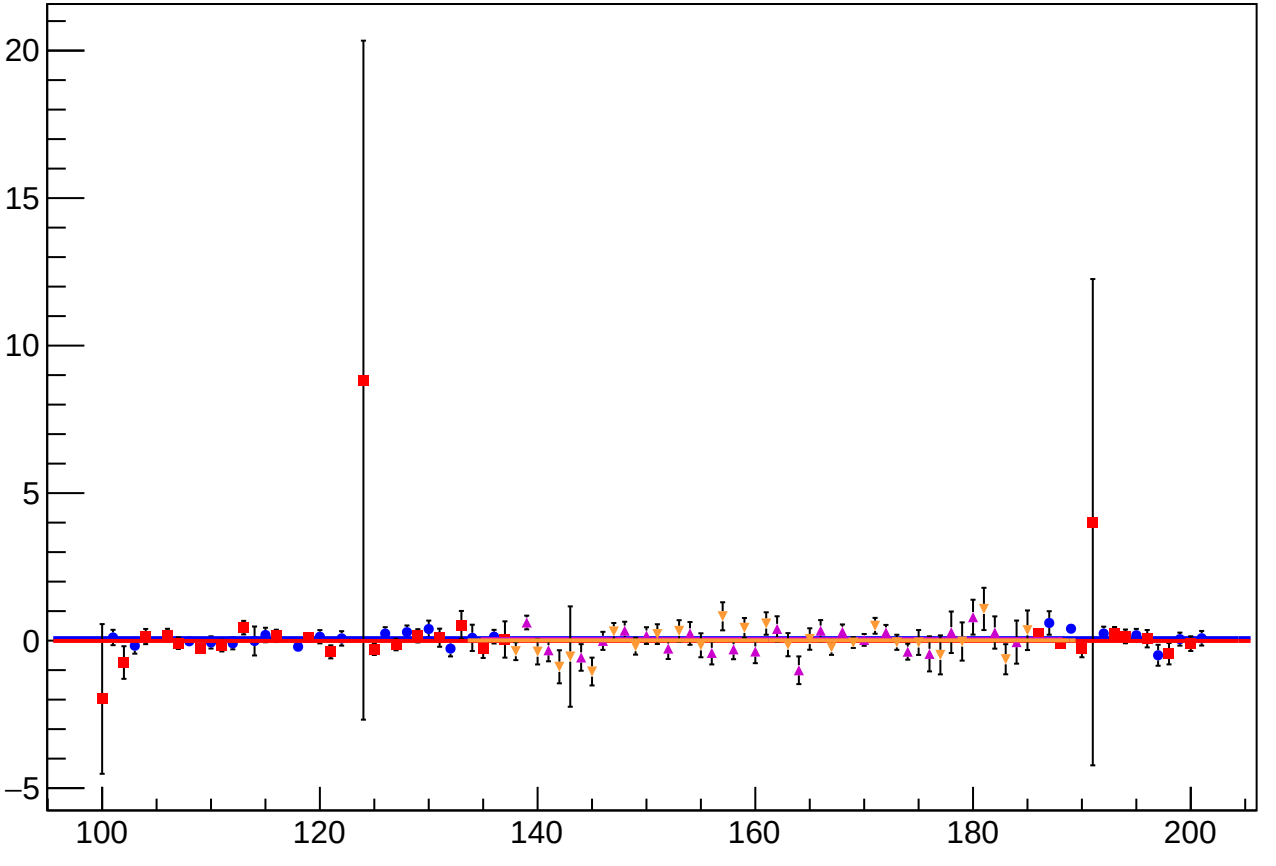
Right: 0.007+/-0.000 χ^2/NDF: 11638175.9/50

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28416040.9/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

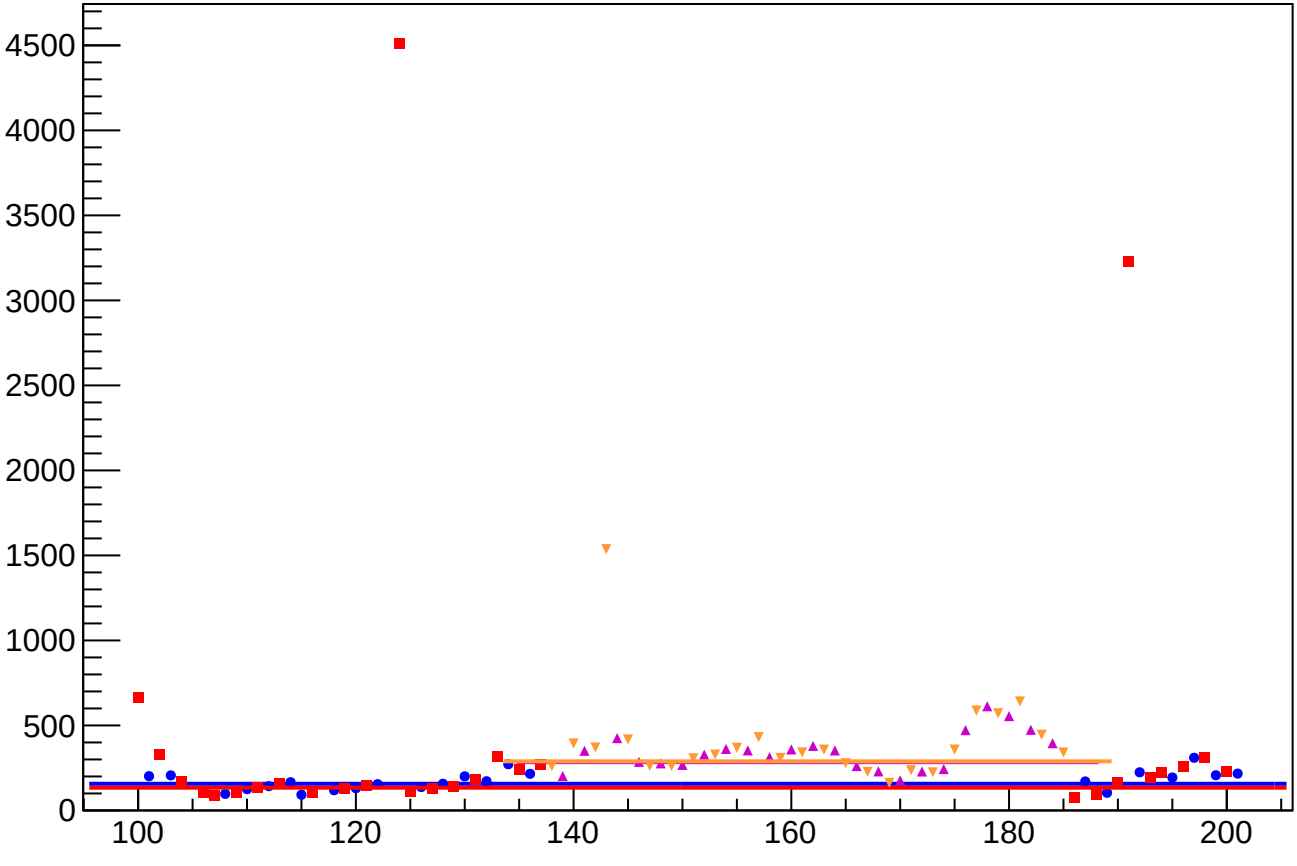
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

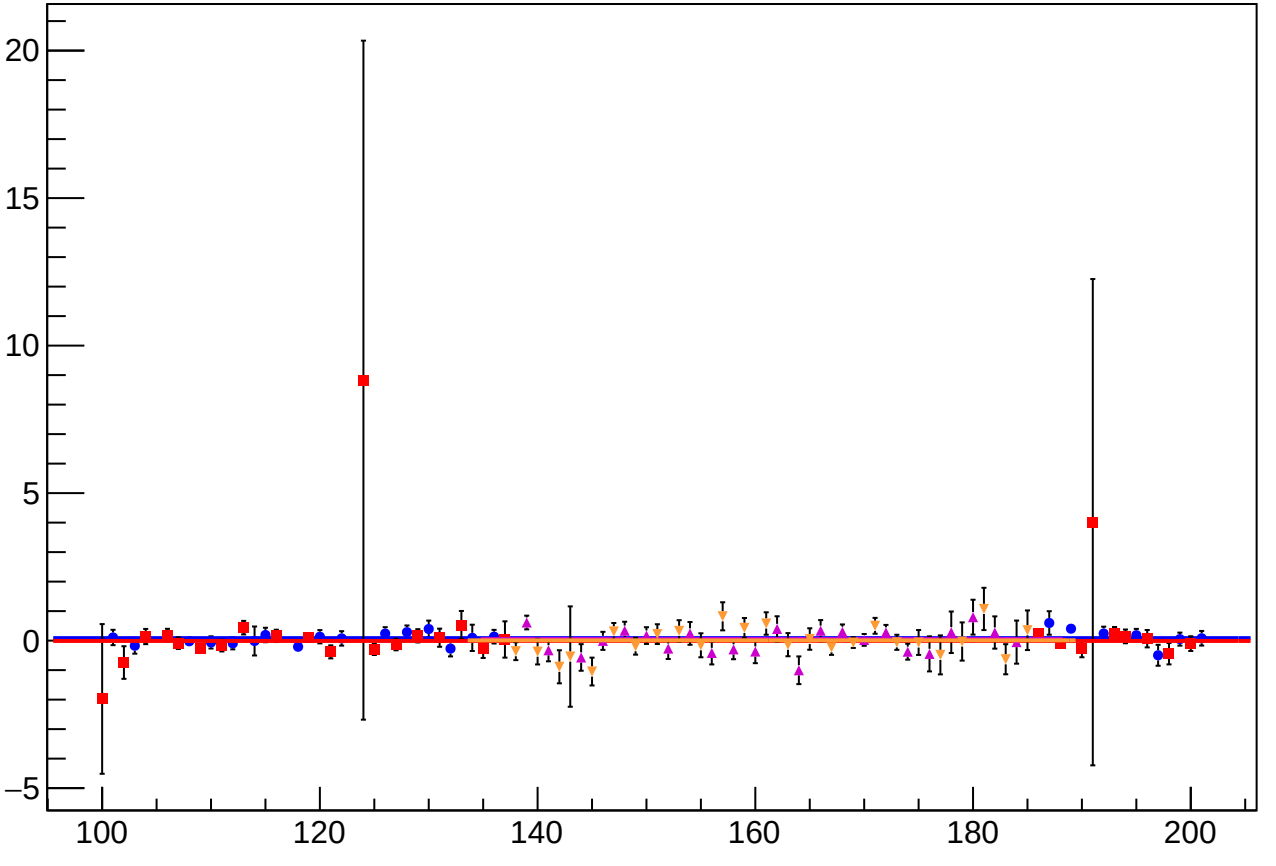
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

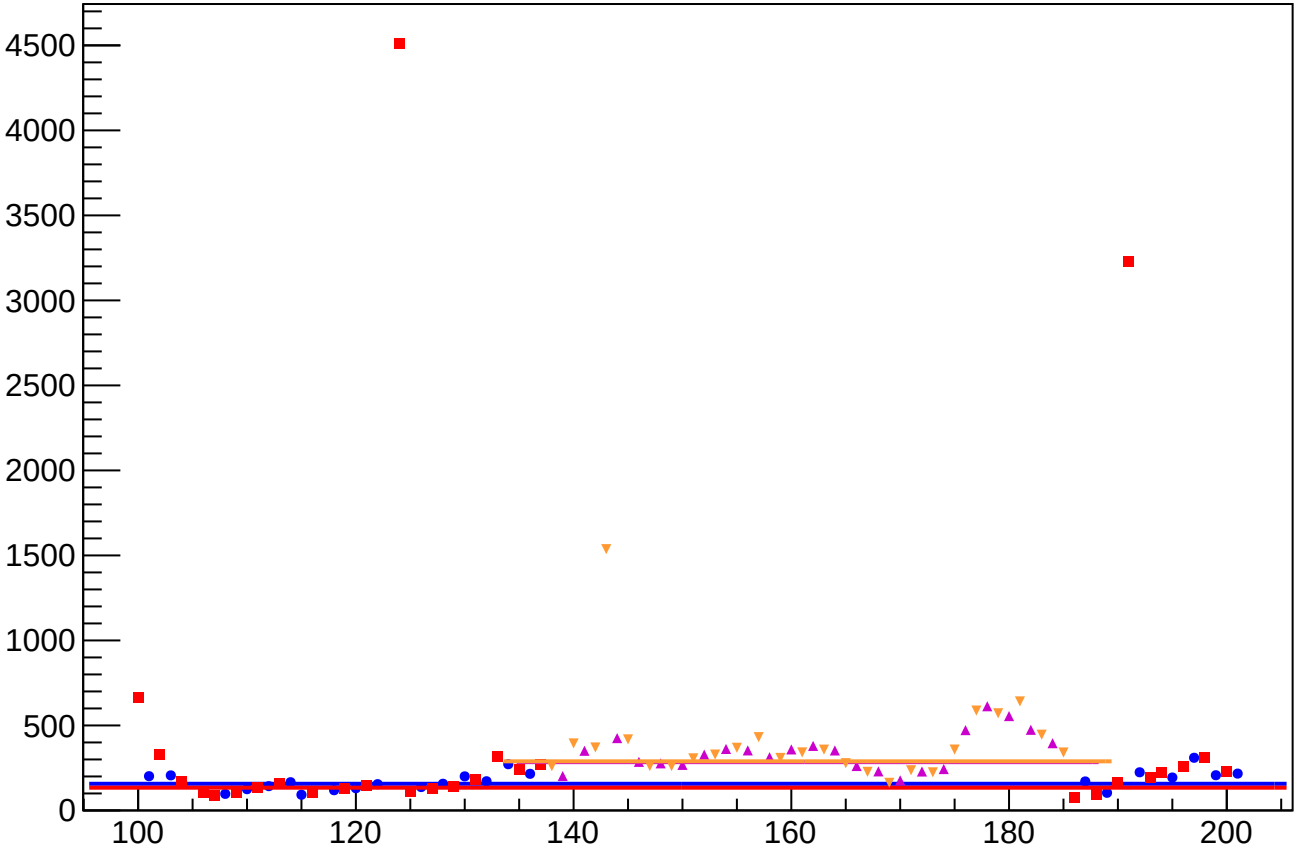
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

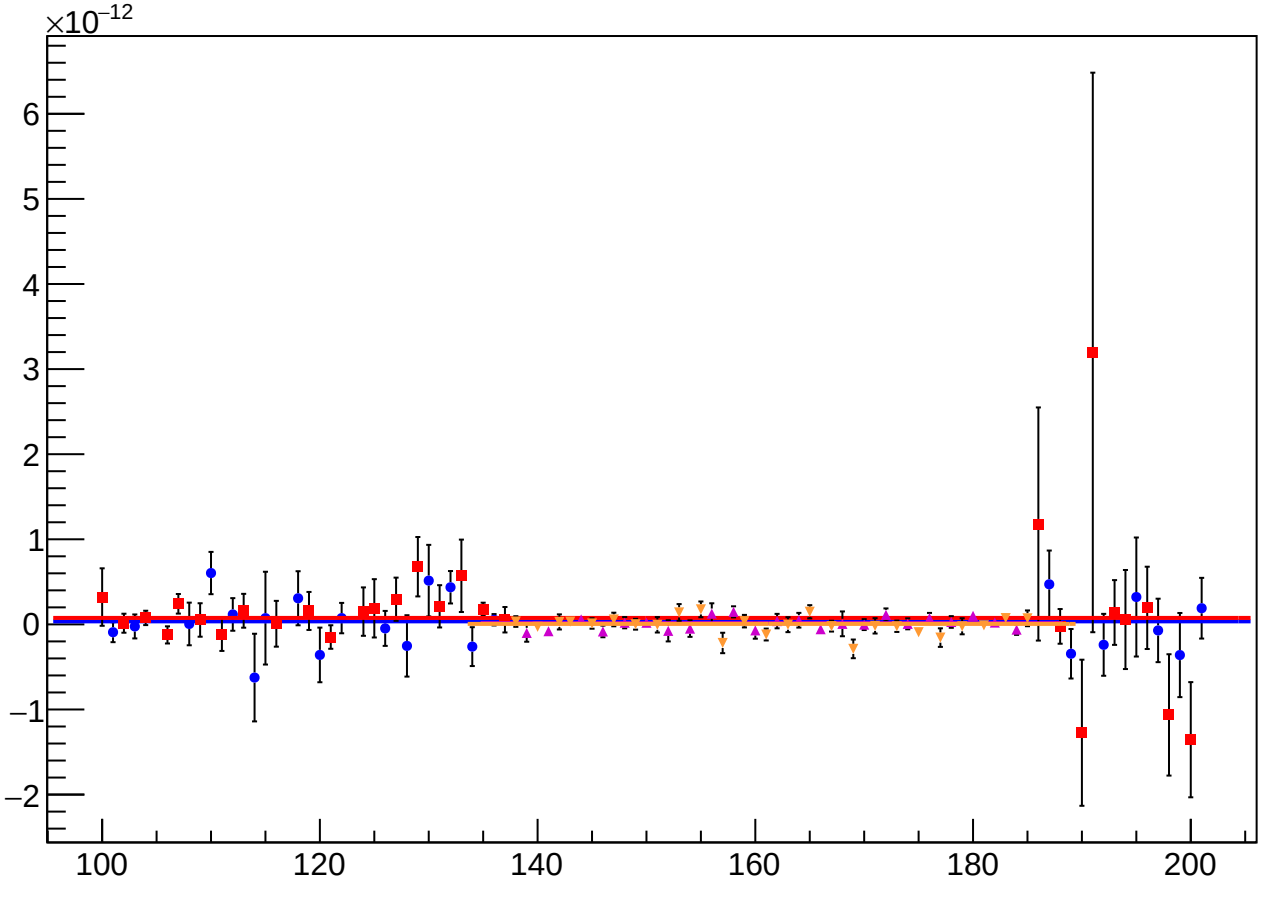
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/27

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

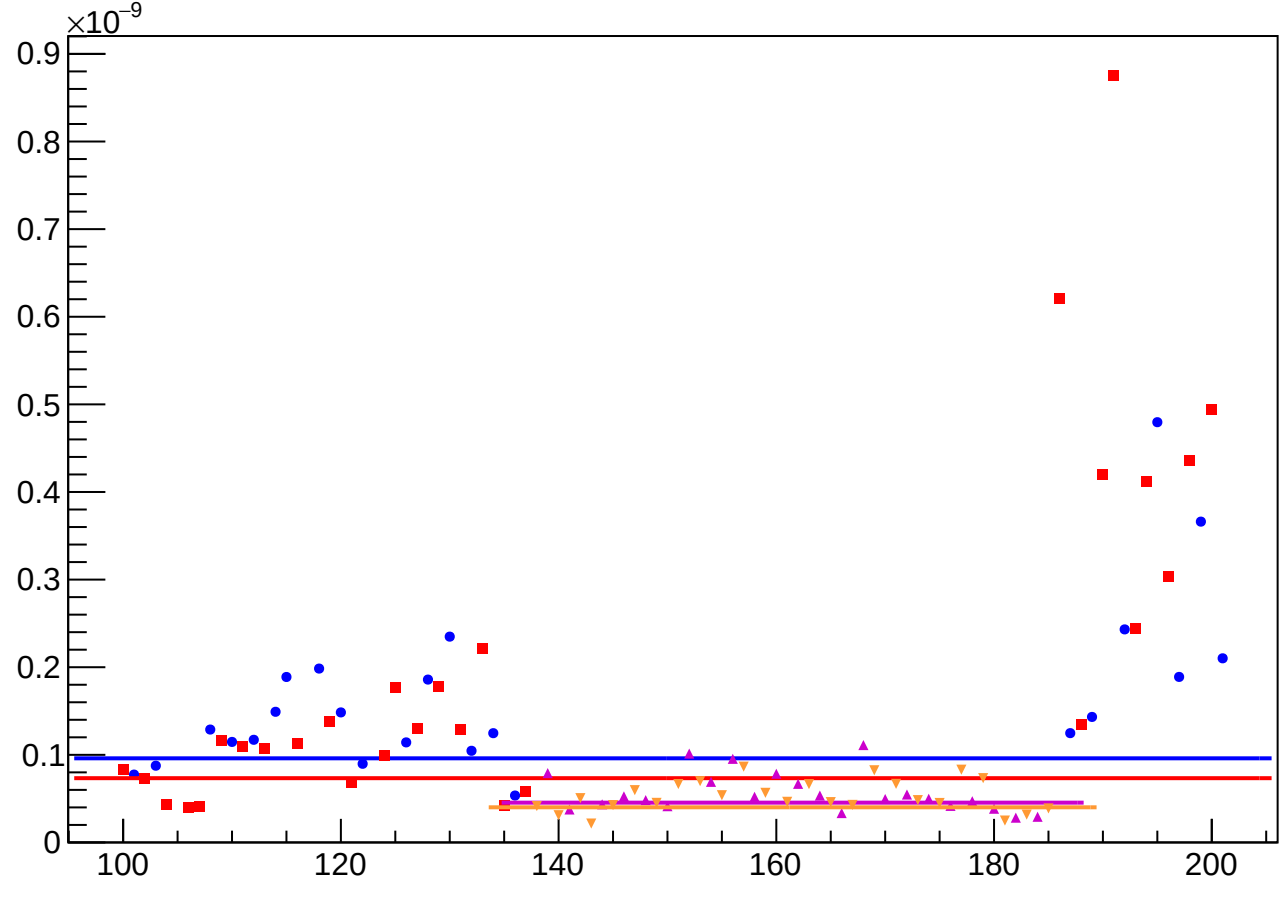
Right: 0.000+/-0.000 χ^2/NDF: 53.8/50

In: 0.000+/-0.000 χ^2/NDF:47.0/45

Out: 0.000+/-0.000 χ^2/NDF:67.7/52

All: 0.000+/-0.000 χ^2/NDF: 114.8/98

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: 6036006.9/27

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

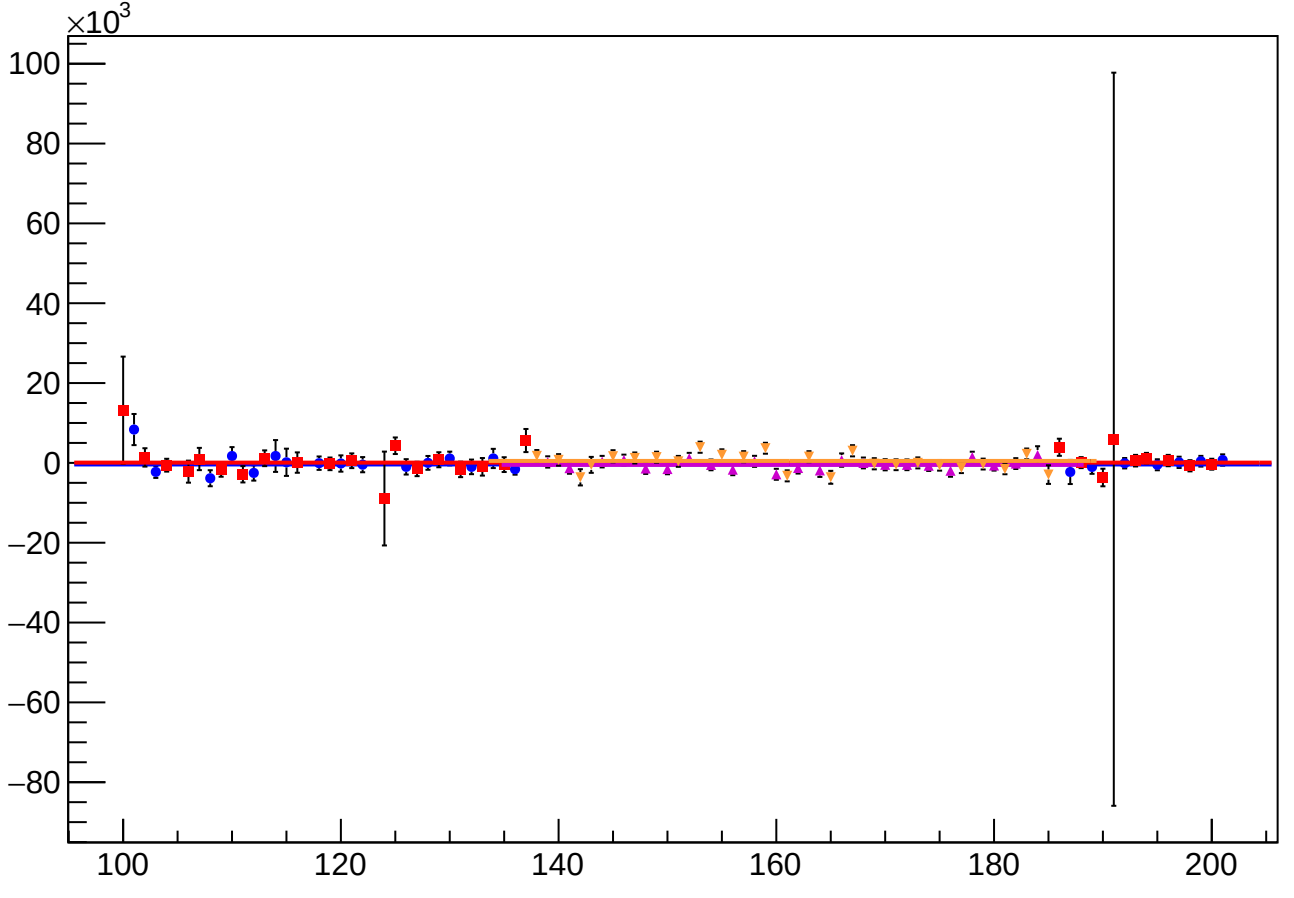
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9990368.1/50

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20776130.2/98



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: 65.376+/-359.817 χ^2/NDF: 23.4/27

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

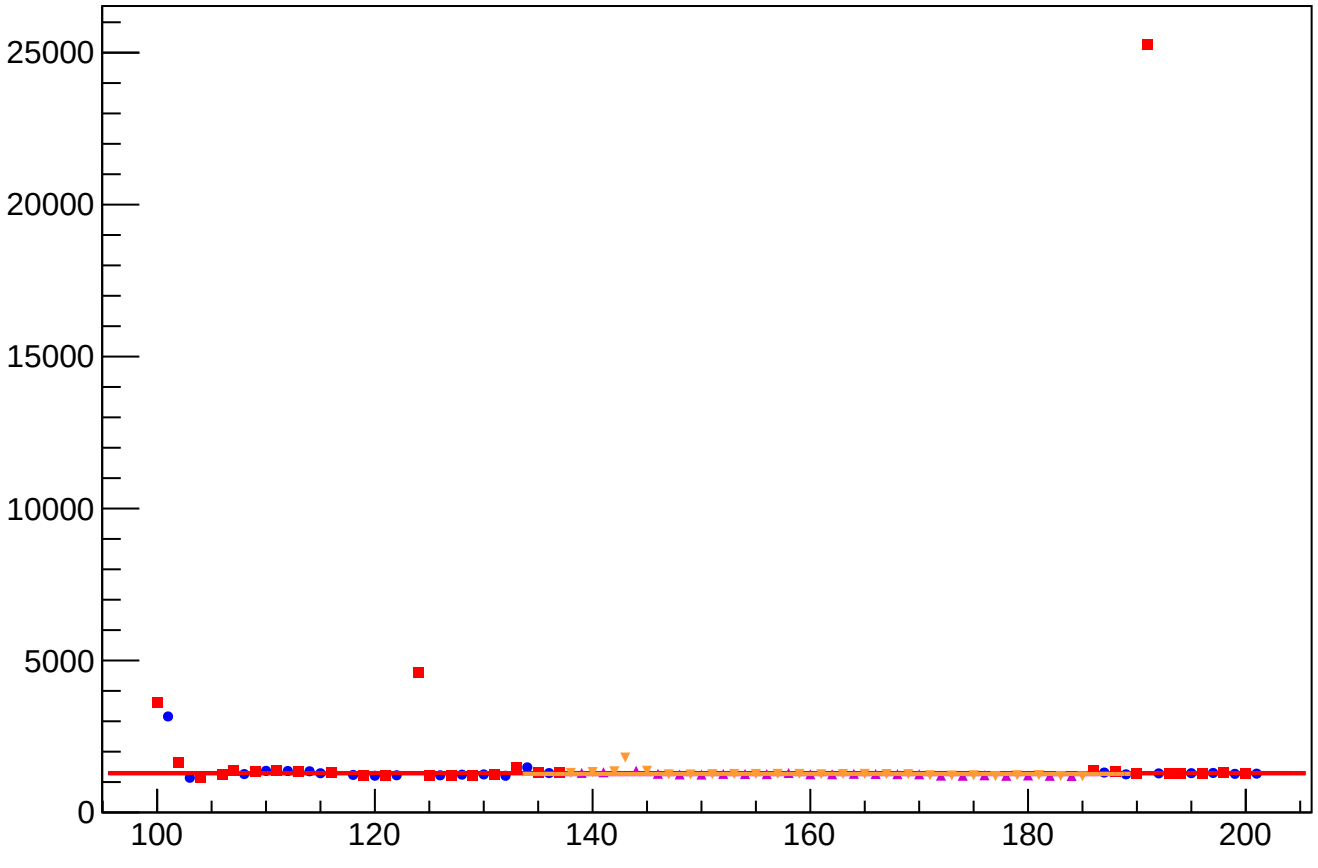
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -158.076+/-258.034 χ^2/NDF: 40.0/50

In: -451.214+/-230.127 χ^2/NDF:30.3/45

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -54.453+/-160.911 χ^2/NDF: 107.2/98



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: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

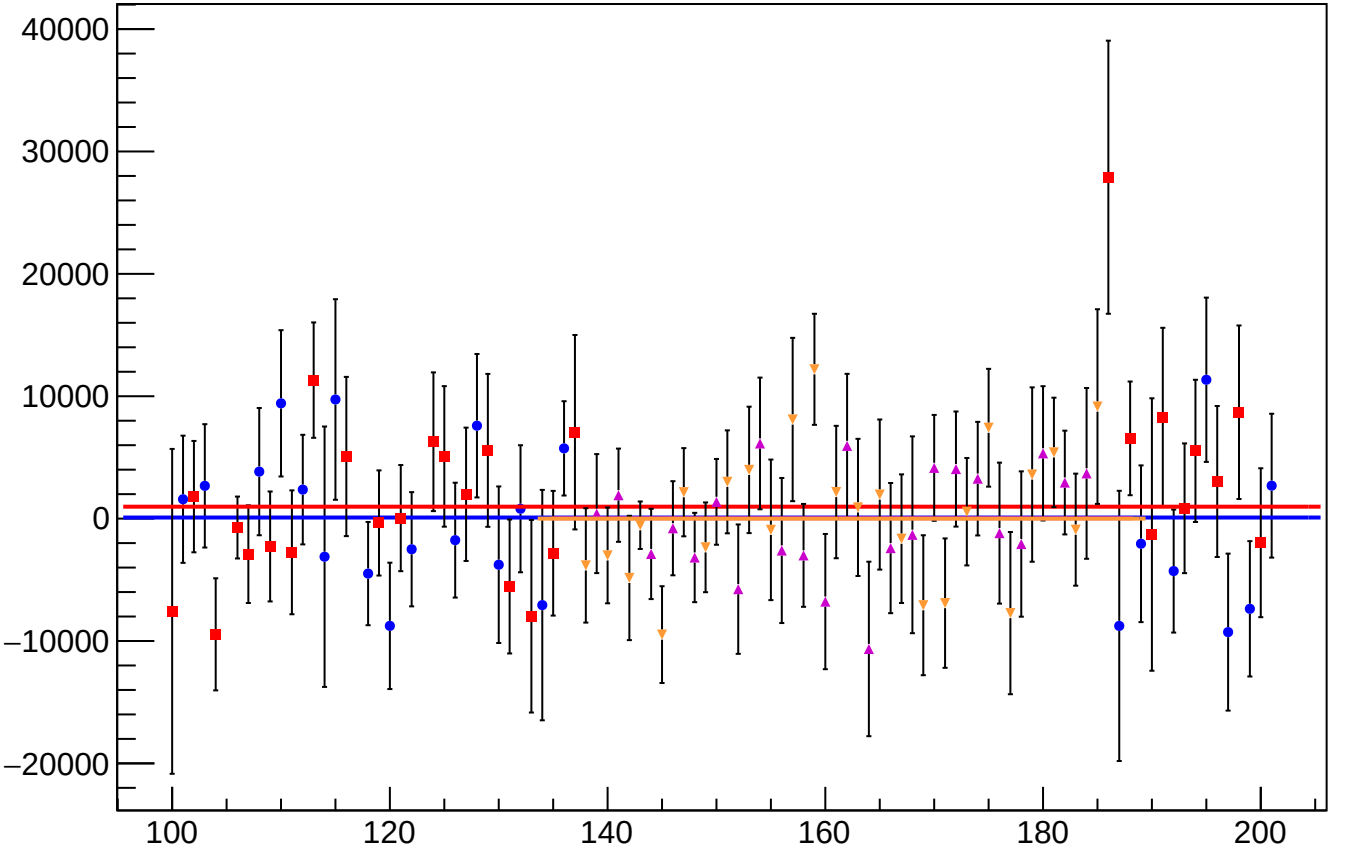
Right: 1293.017+/-0.182 χ^2/NDF: 983708.8/50

In: 1268.748+/-0.163 χ^2/NDF:560544.4/45

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98

asym_atl1r2_dd_atl2r1_dd_dd_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: 975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

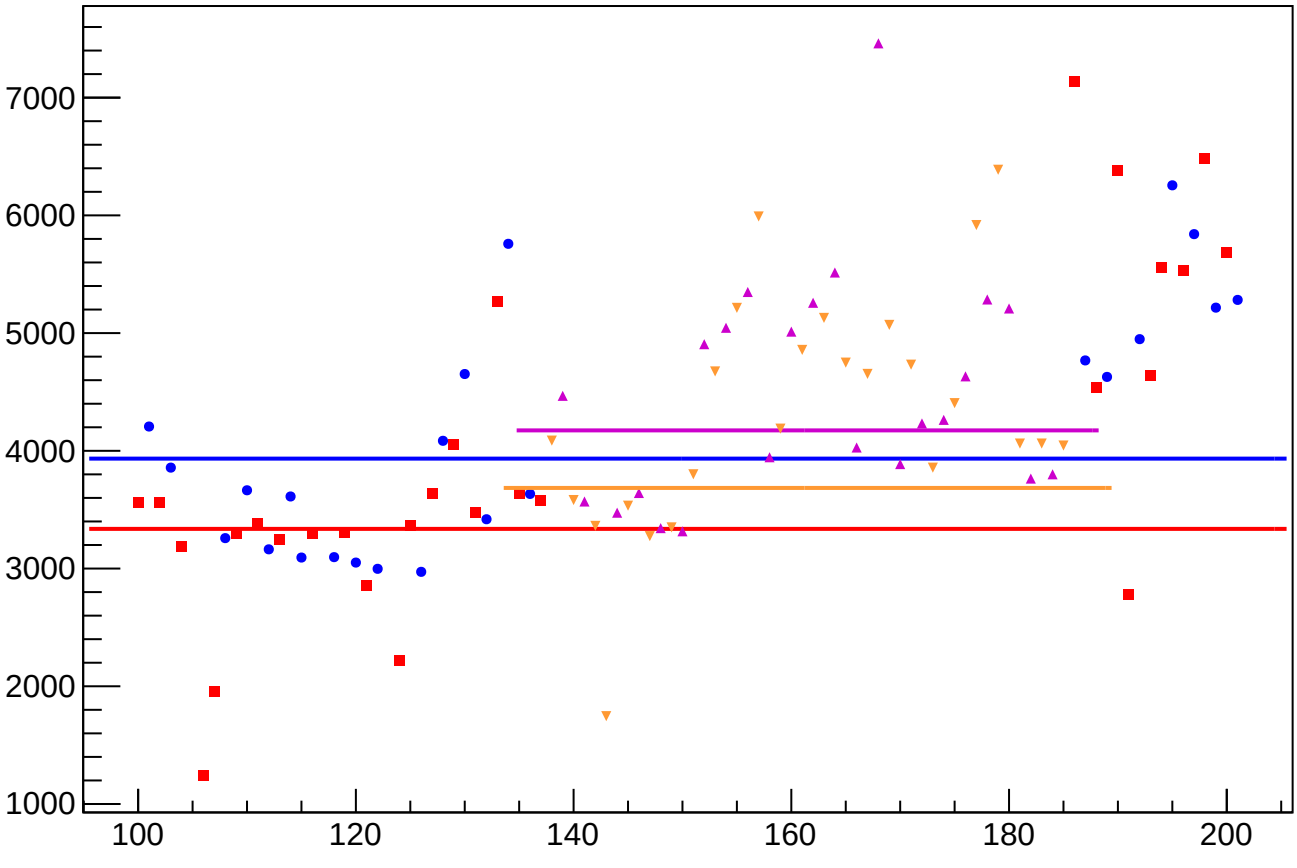
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 602.046+/-749.671 χ^2/NDF: 52.9/50

In: 56.386+/-753.982 χ^2/NDF:36.9/45

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 271.438+/-496.218 χ^2/NDF: 96.4/98



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

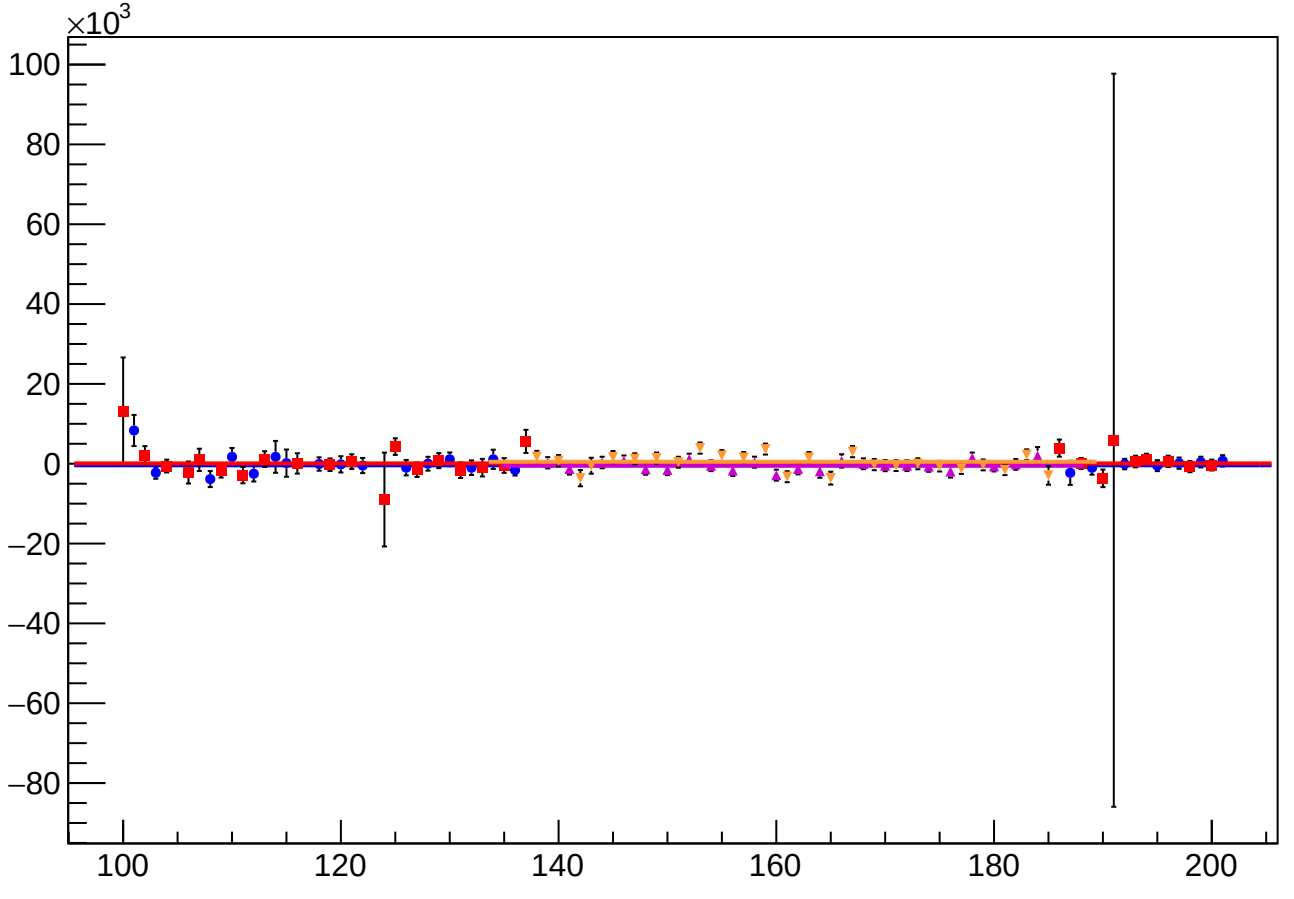
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3588.424+/-0.530 χ^2/NDF: 5387553.3/50

In: 4071.374+/-0.533 χ^2/NDF:2630674.4/45

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

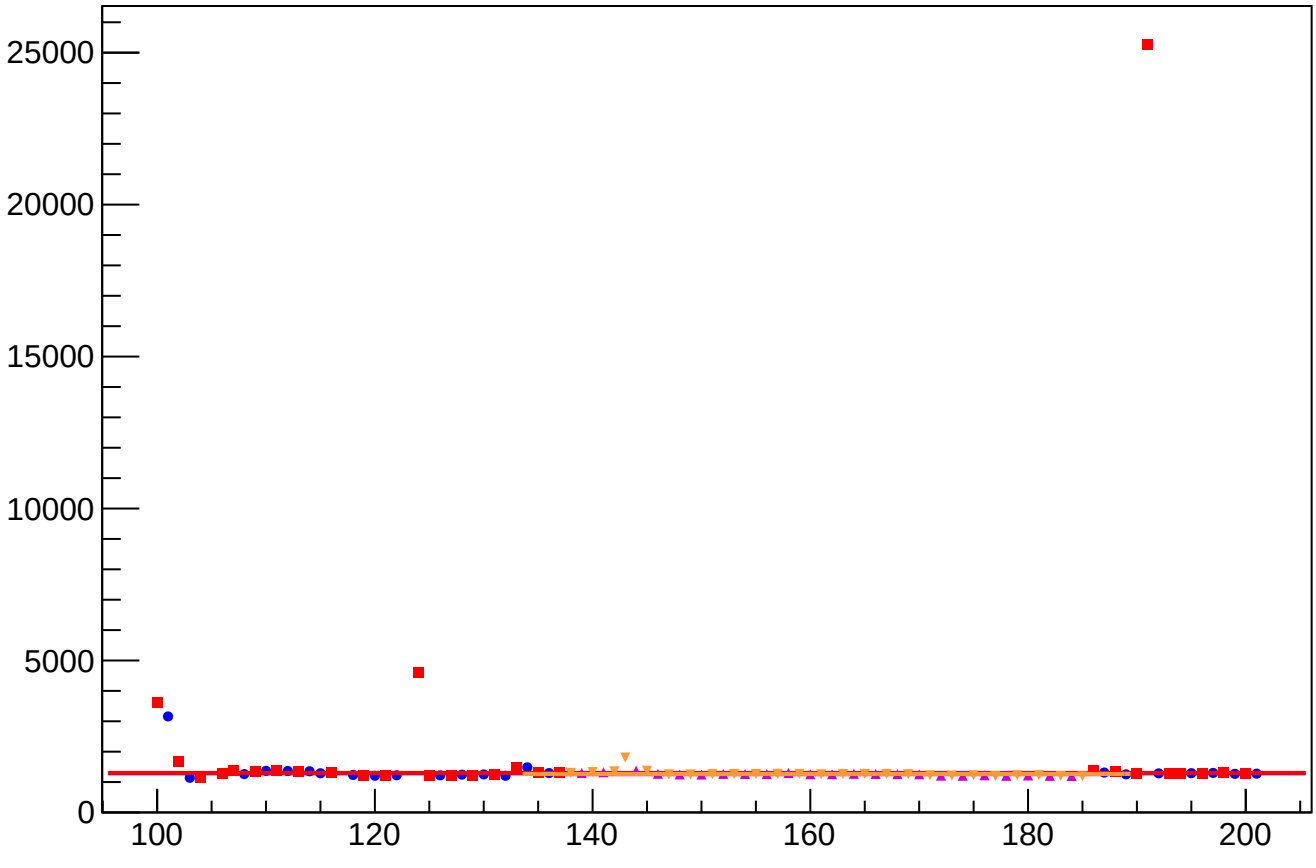
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

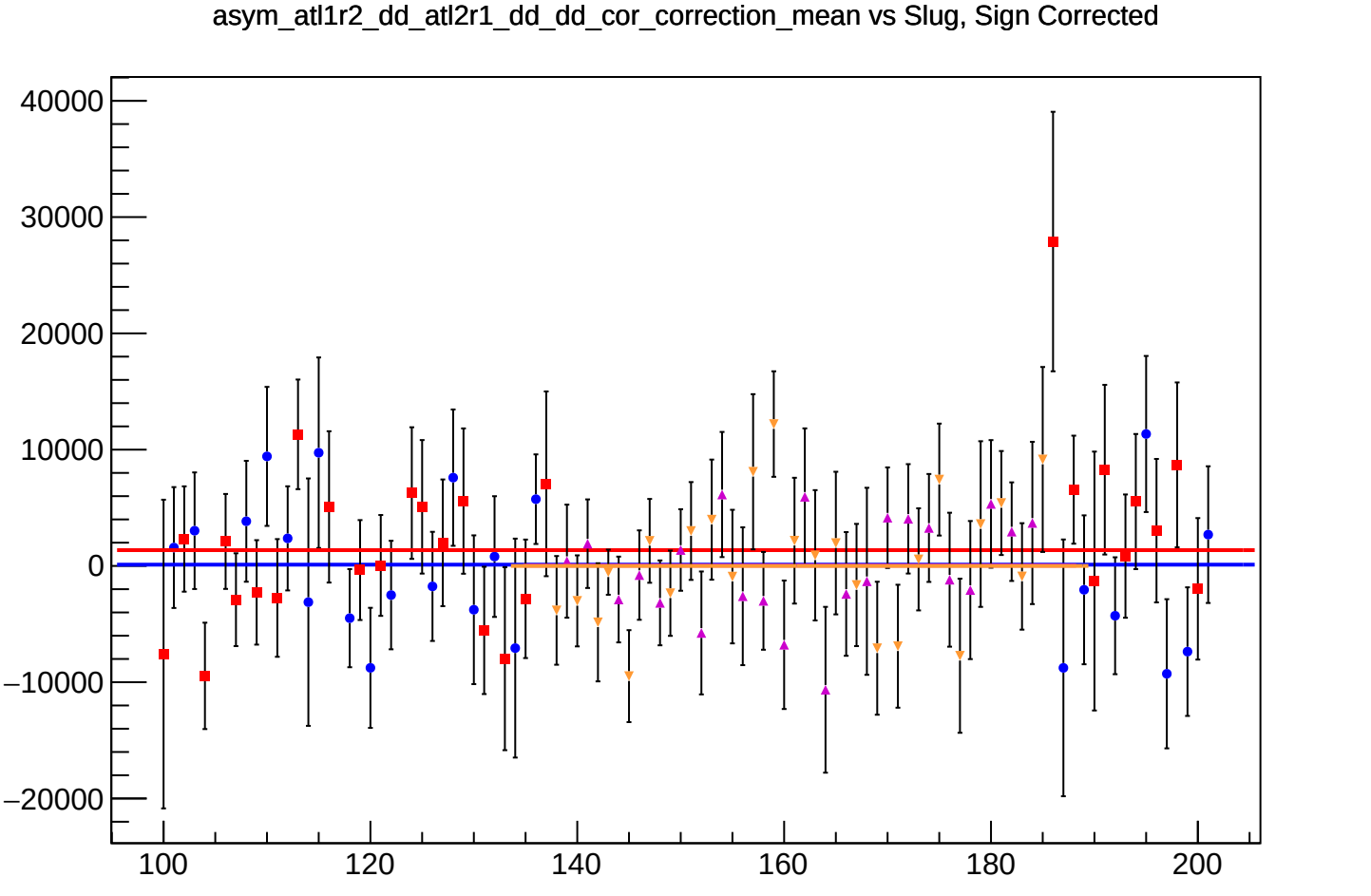
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98



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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

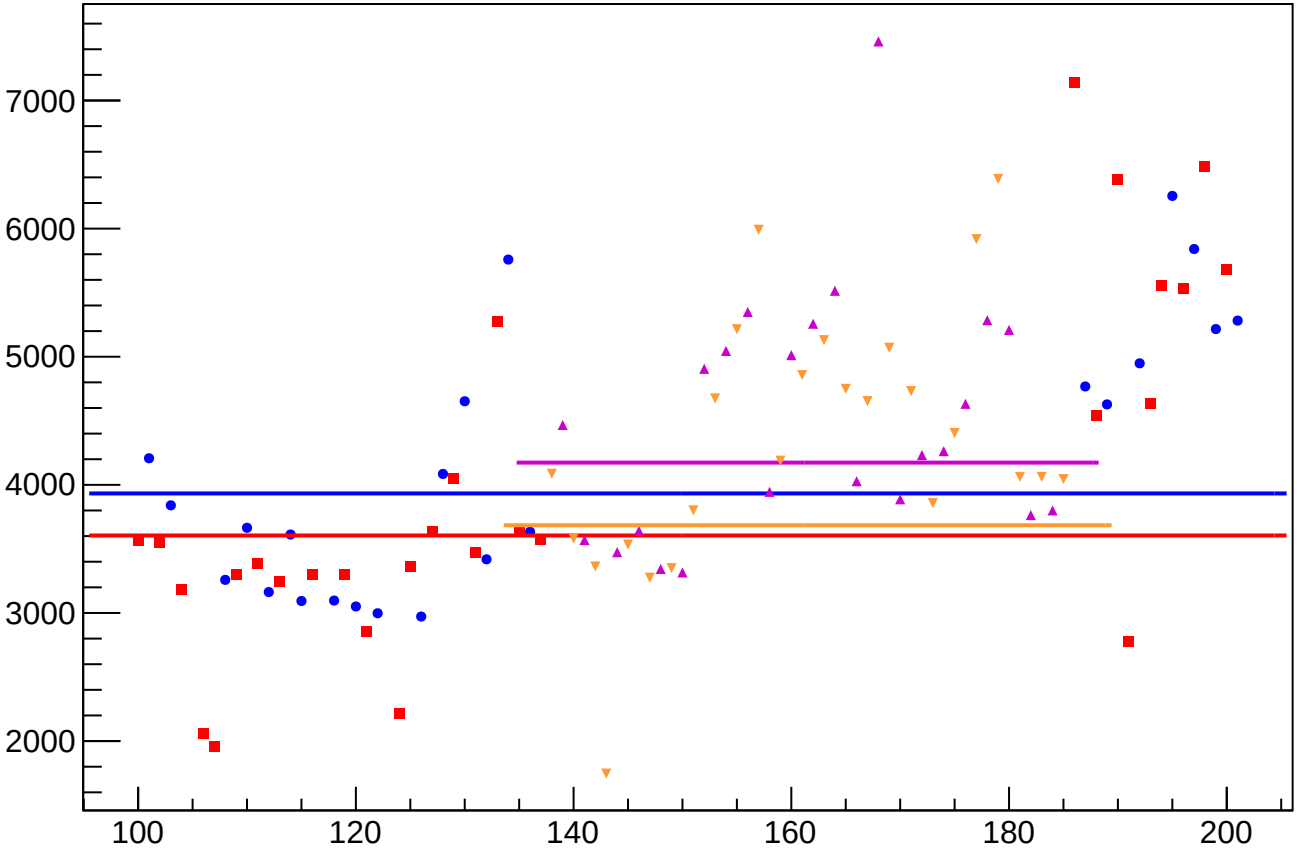
Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

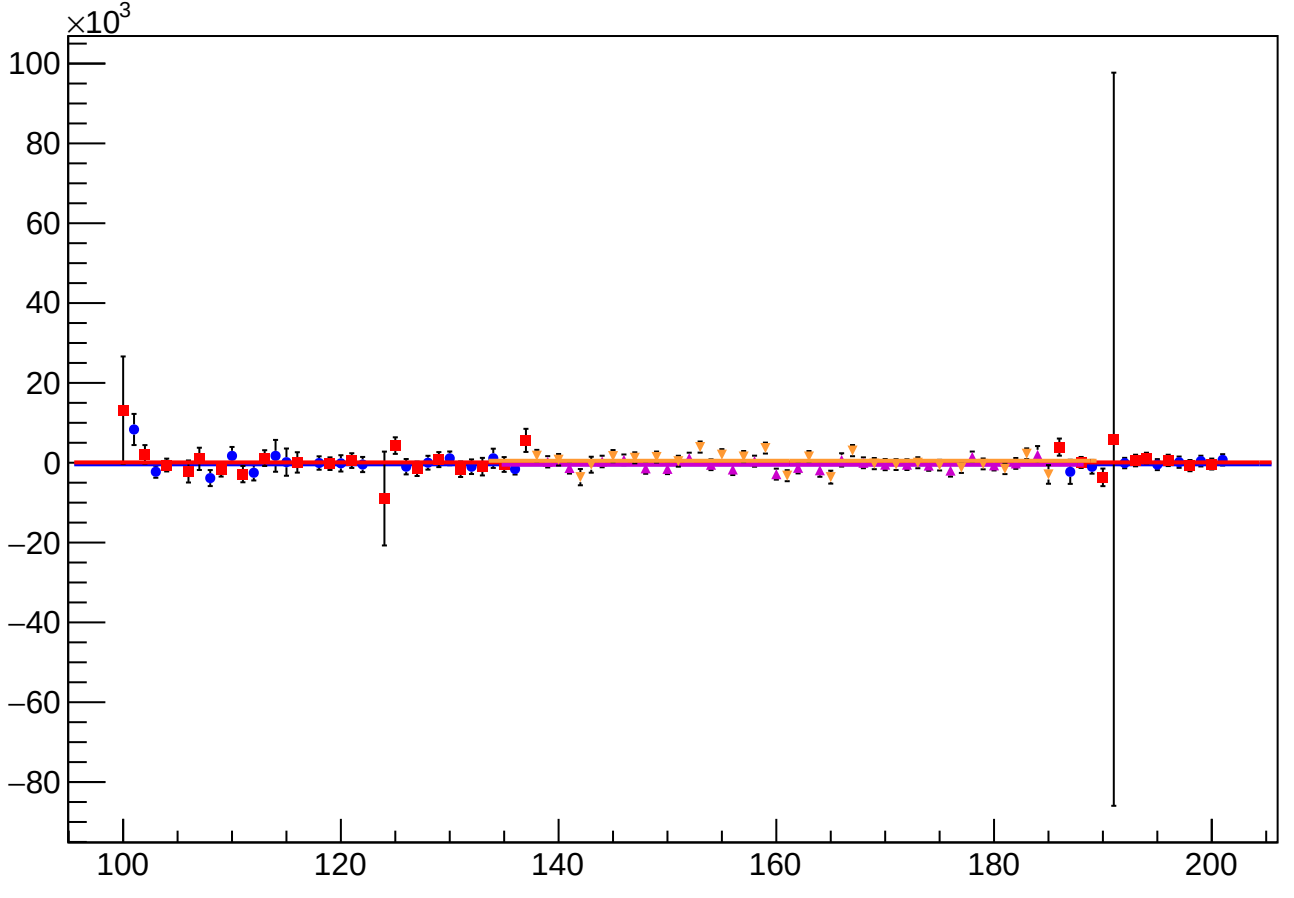
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3750.945+/-0.545 χ^2/NDF: 3856682.1/50

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98



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: 81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

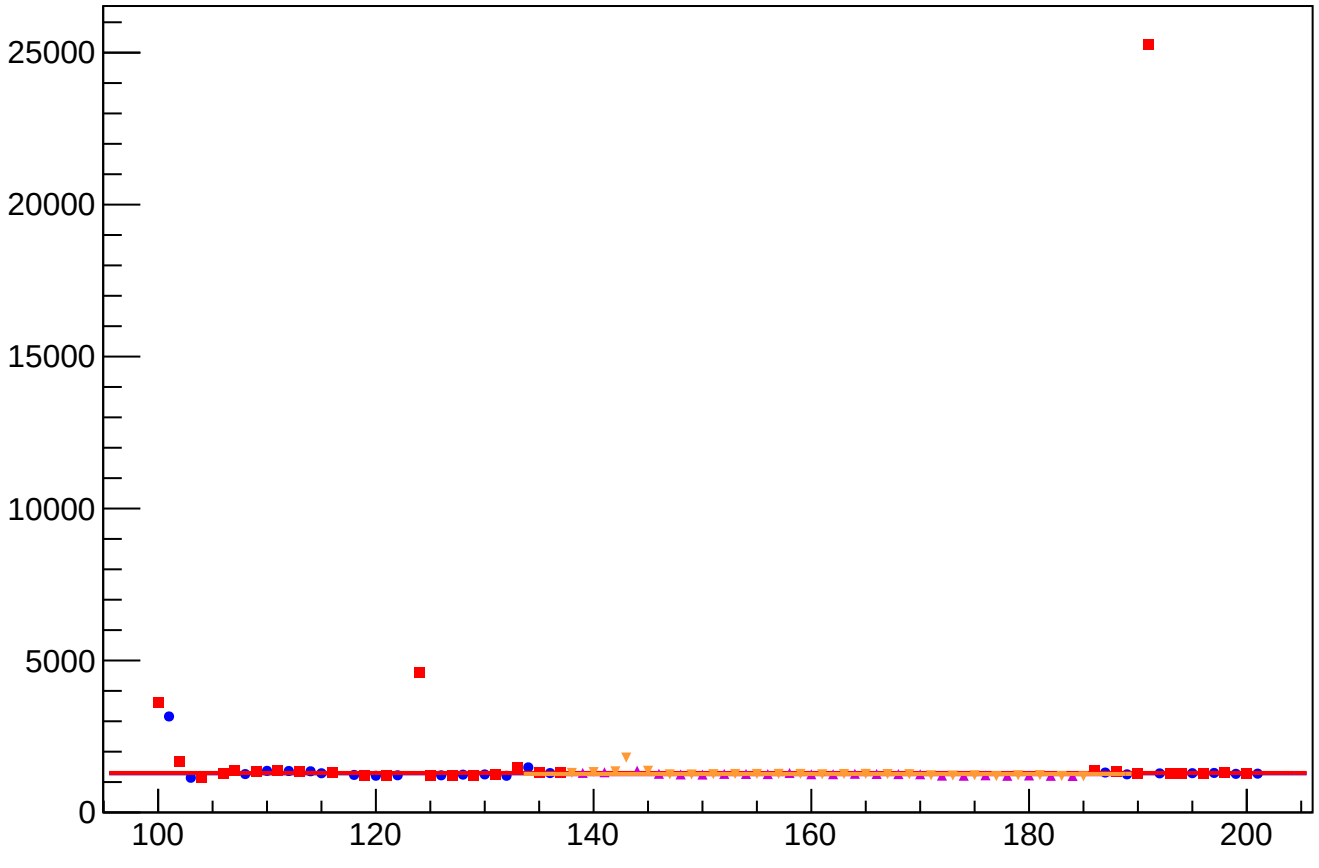
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -150.094+/-258.082 χ^2/NDF: 40.5/50

In: -451.223+/-230.127 χ^2/NDF:30.3/45

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -51.299+/-160.922 χ^2/NDF: 107.7/98



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: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

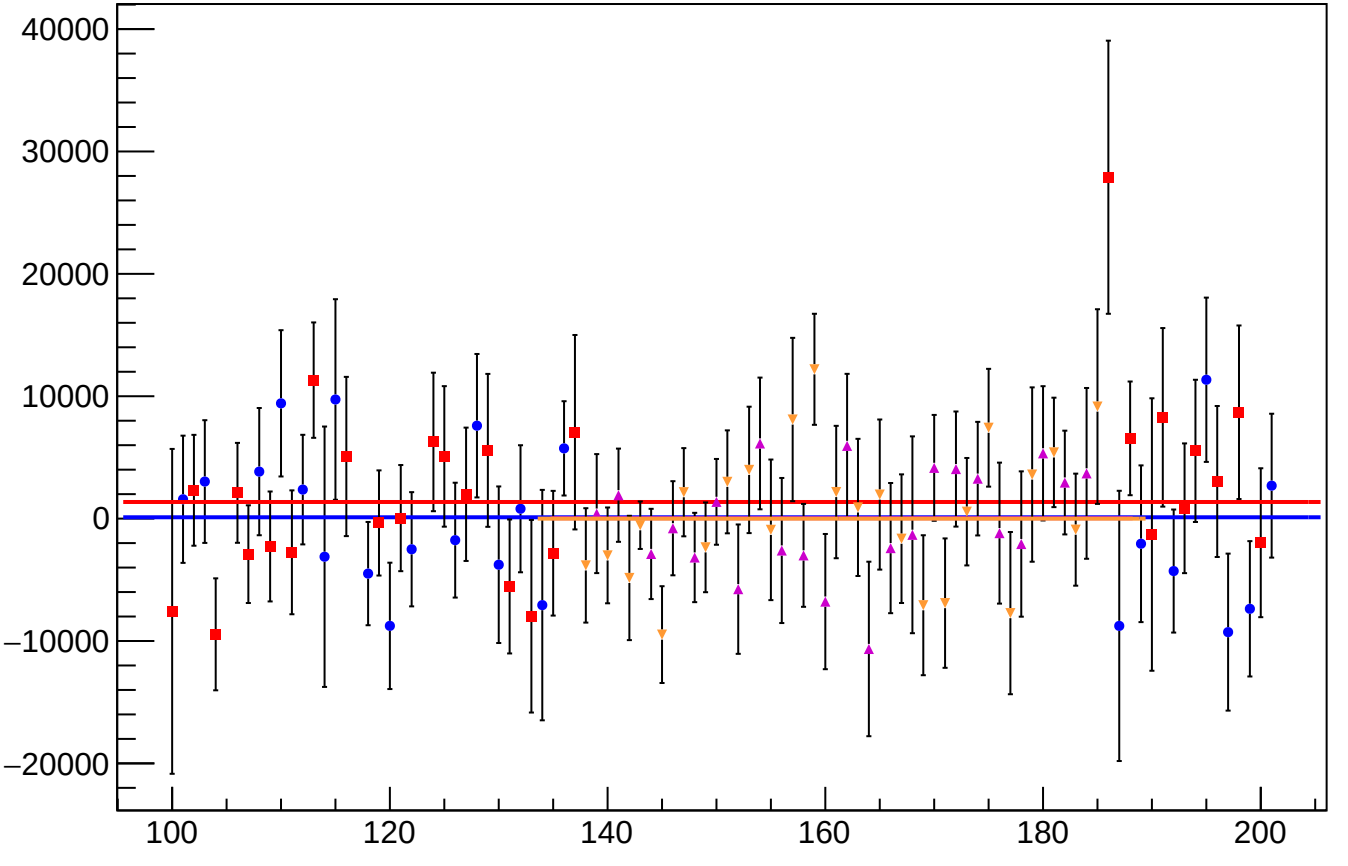
Right: 1293.581+/-0.182 χ^2/NDF: 990460.2/50

In: 1268.748+/-0.163 χ^2/NDF:560545.8/45

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

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: 1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

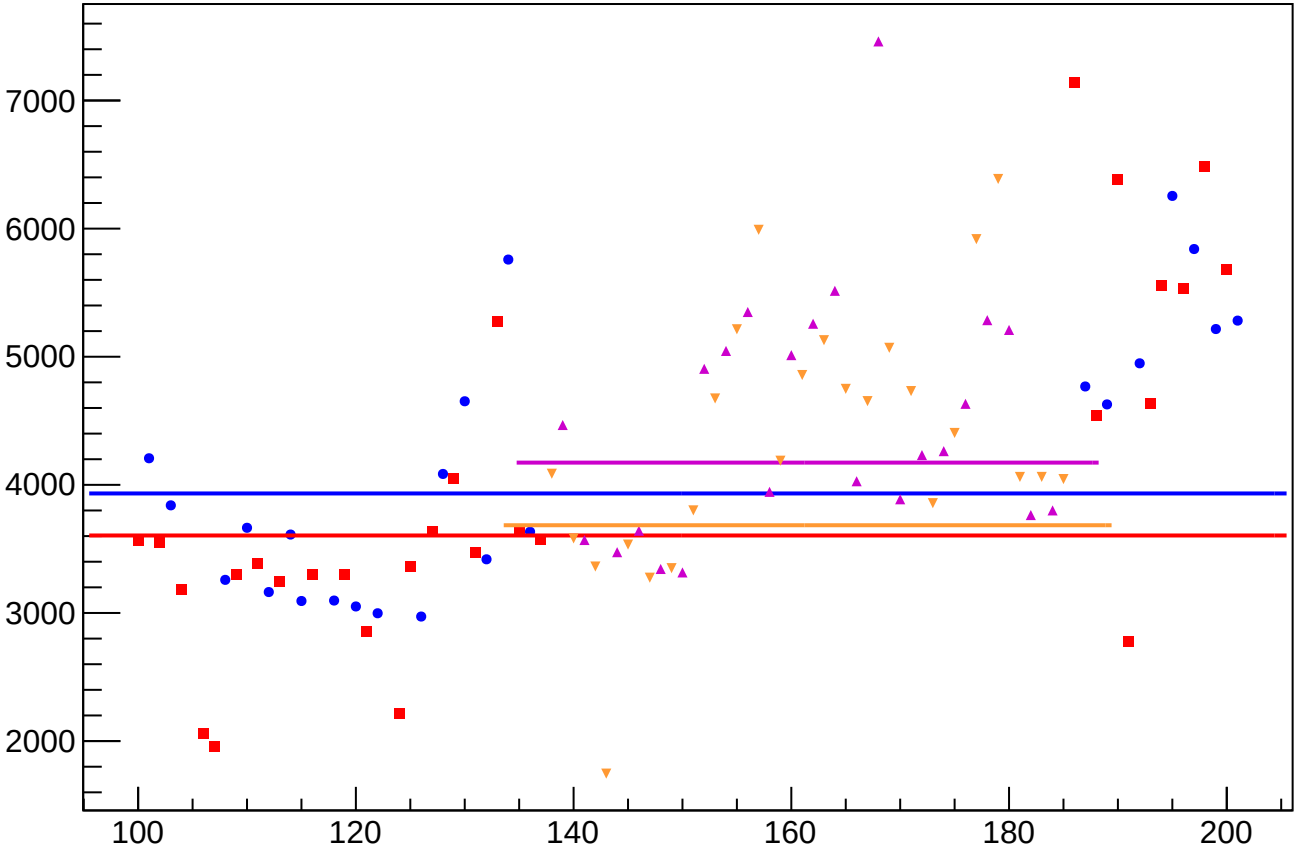
Right: 802.565+/-770.592 χ^2/NDF: 52.9/50

In: 64.906+/-753.898 χ^2/NDF:37.0/45

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 348.660+/-502.145 χ^2/NDF: 96.5/98

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

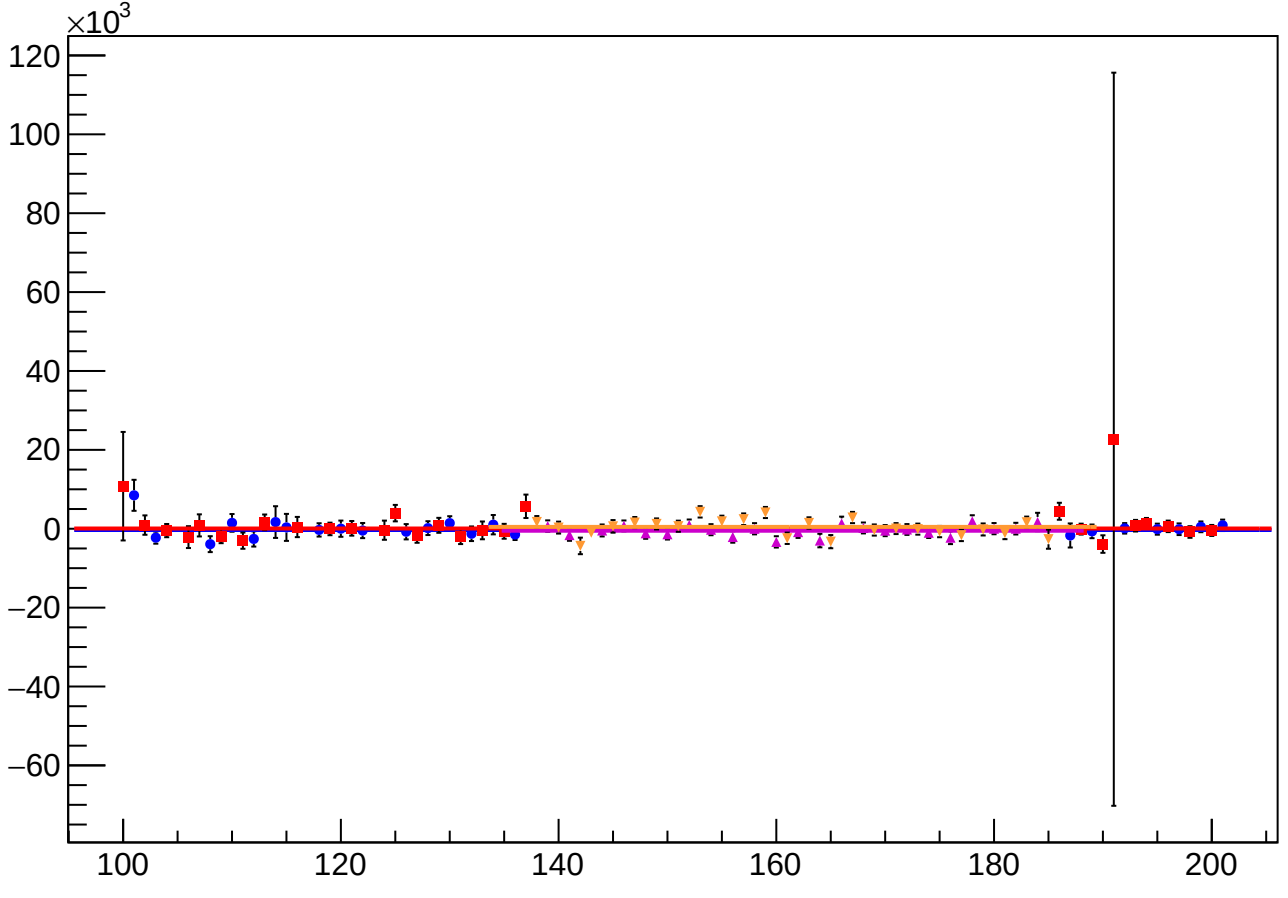
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3750.945+/-0.545 χ^2/NDF: 3856682.1/50

In: 4070.950+/-0.533 χ^2/NDF:2631350.2/45

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98



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: 57.926+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

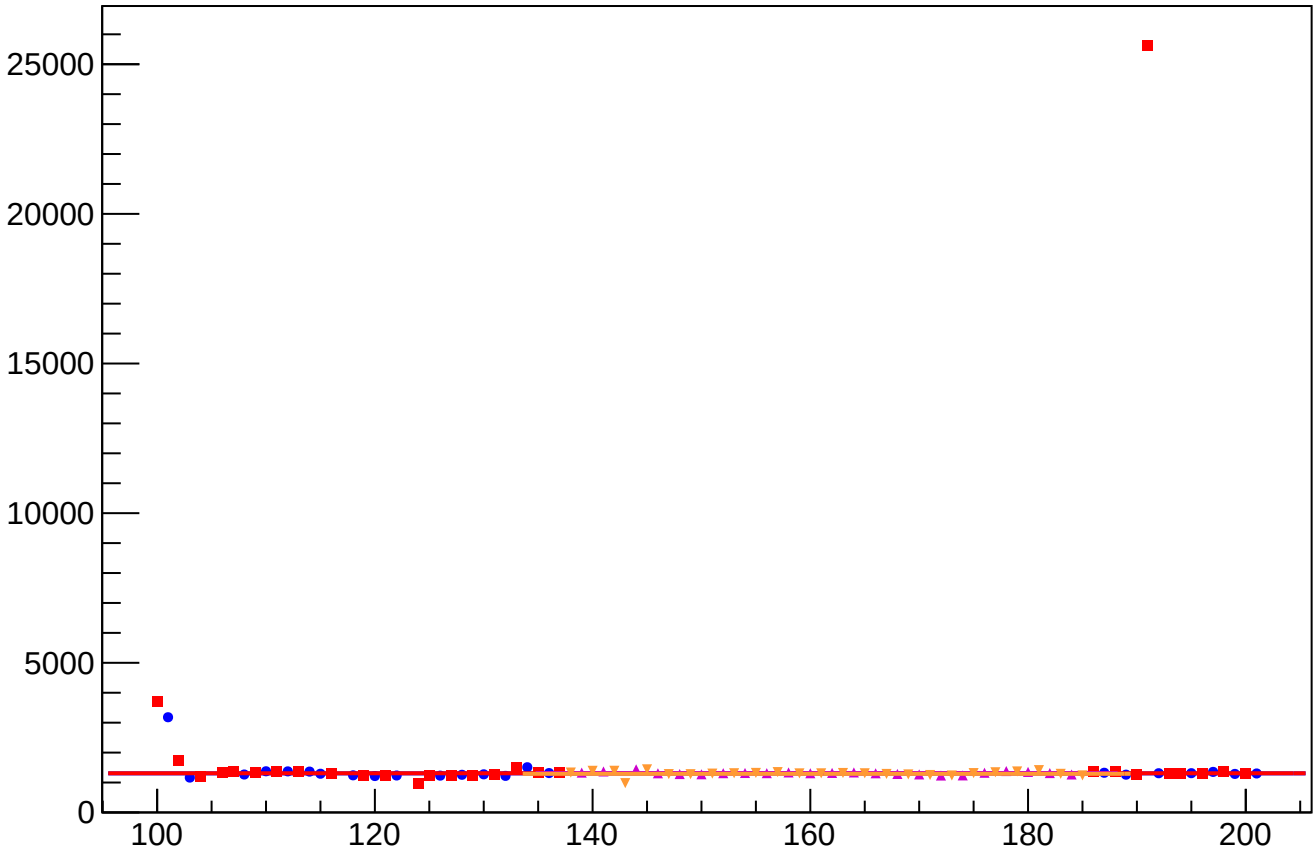
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -124.441+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.760 χ^2/NDF:33.4/45

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

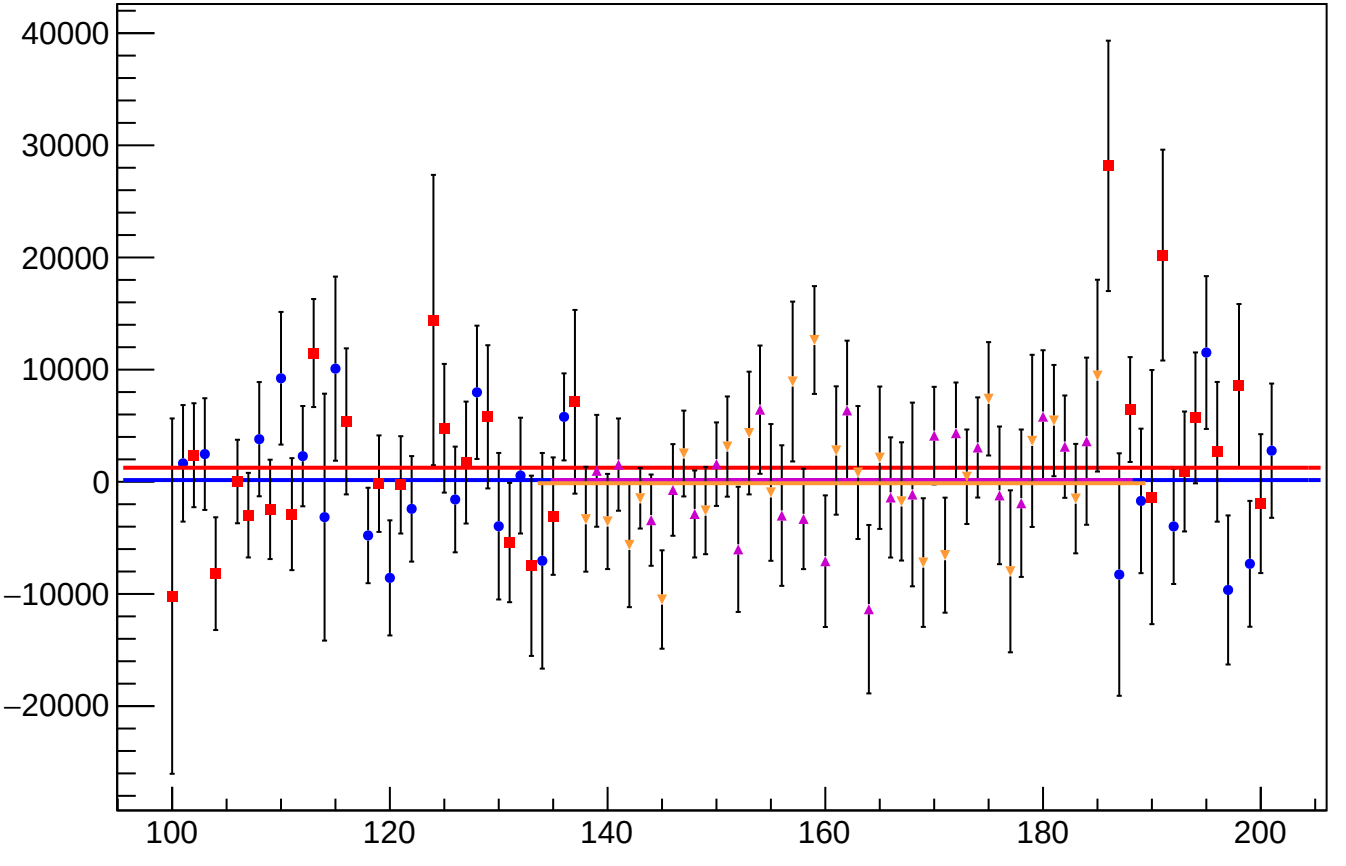
Right: 1307.597+/-0.184 χ^2/NDF: 877925.3/50

In: 1310.613+/-0.168 χ^2/NDF:558267.1/45

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98

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: 1253.721+/-1052.769 χ^2/NDF: 30.9/27

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

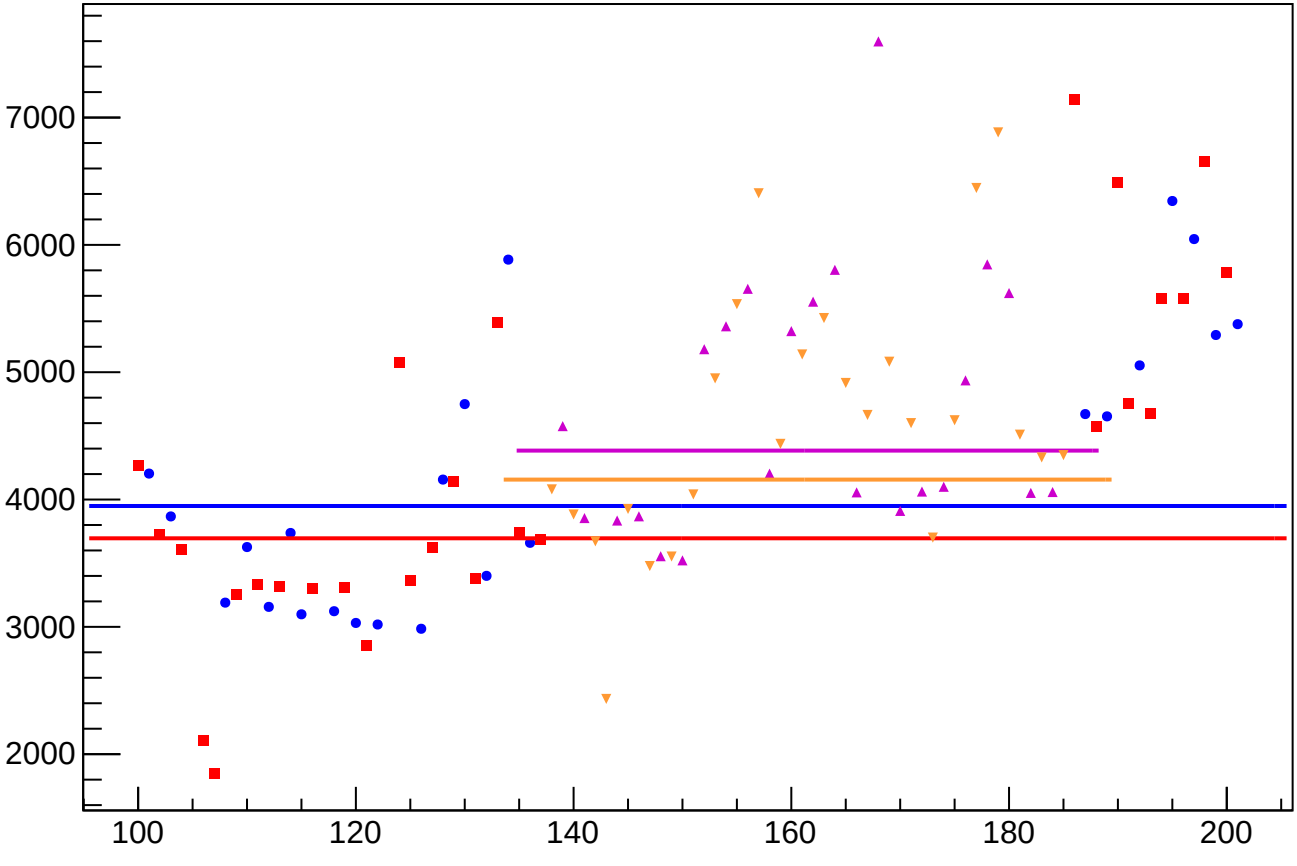
Right: 757.402+/-779.861 χ^2/NDF: 54.1/50

In: 156.950+/-776.897 χ^2/NDF:36.5/45

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 348.828+/-526.592 χ^2/NDF: 97.0/98

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: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

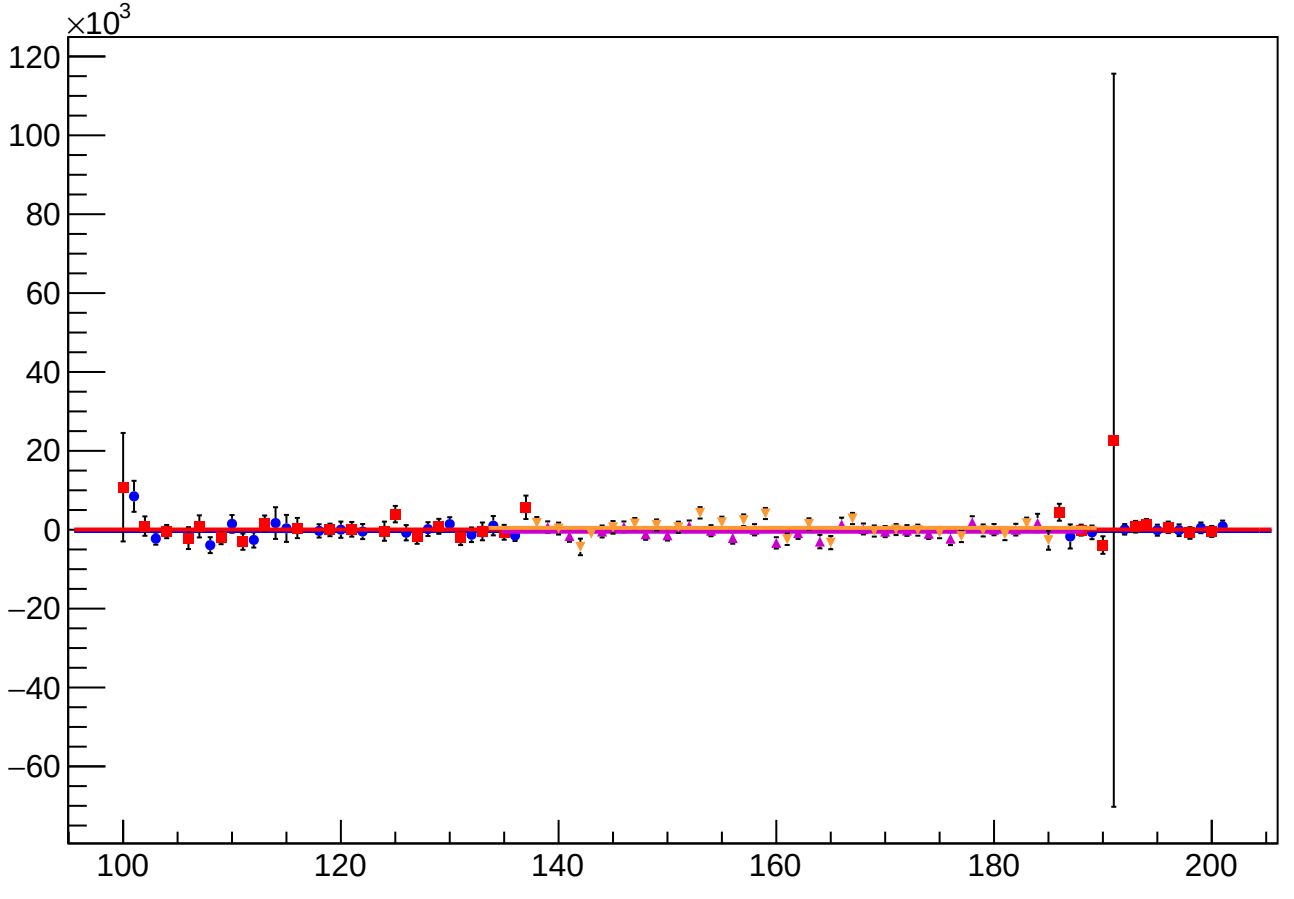
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3810.013+/-0.551 χ^2/NDF: 3987603.3/50

In: 4189.493+/-0.549 χ^2/NDF:2799973.5/45

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98



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: 57.922+/-361.960 χ^2/NDF: 24.1/27

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

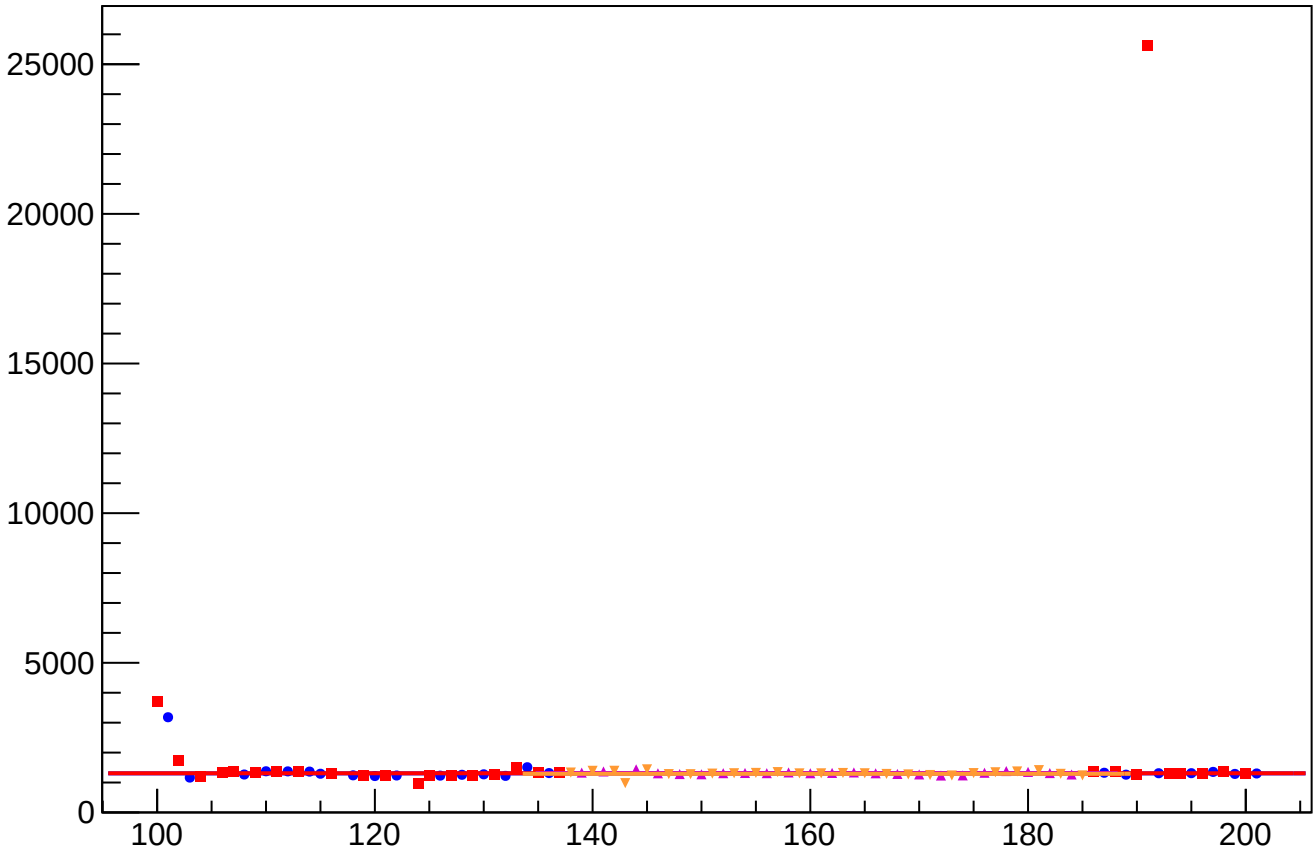
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -124.443+/-260.678 χ^2/NDF: 40.5/50

In: -430.438+/-237.761 χ^2/NDF:33.4/45

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -47.952+/-164.685 χ^2/NDF: 107.4/98



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: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

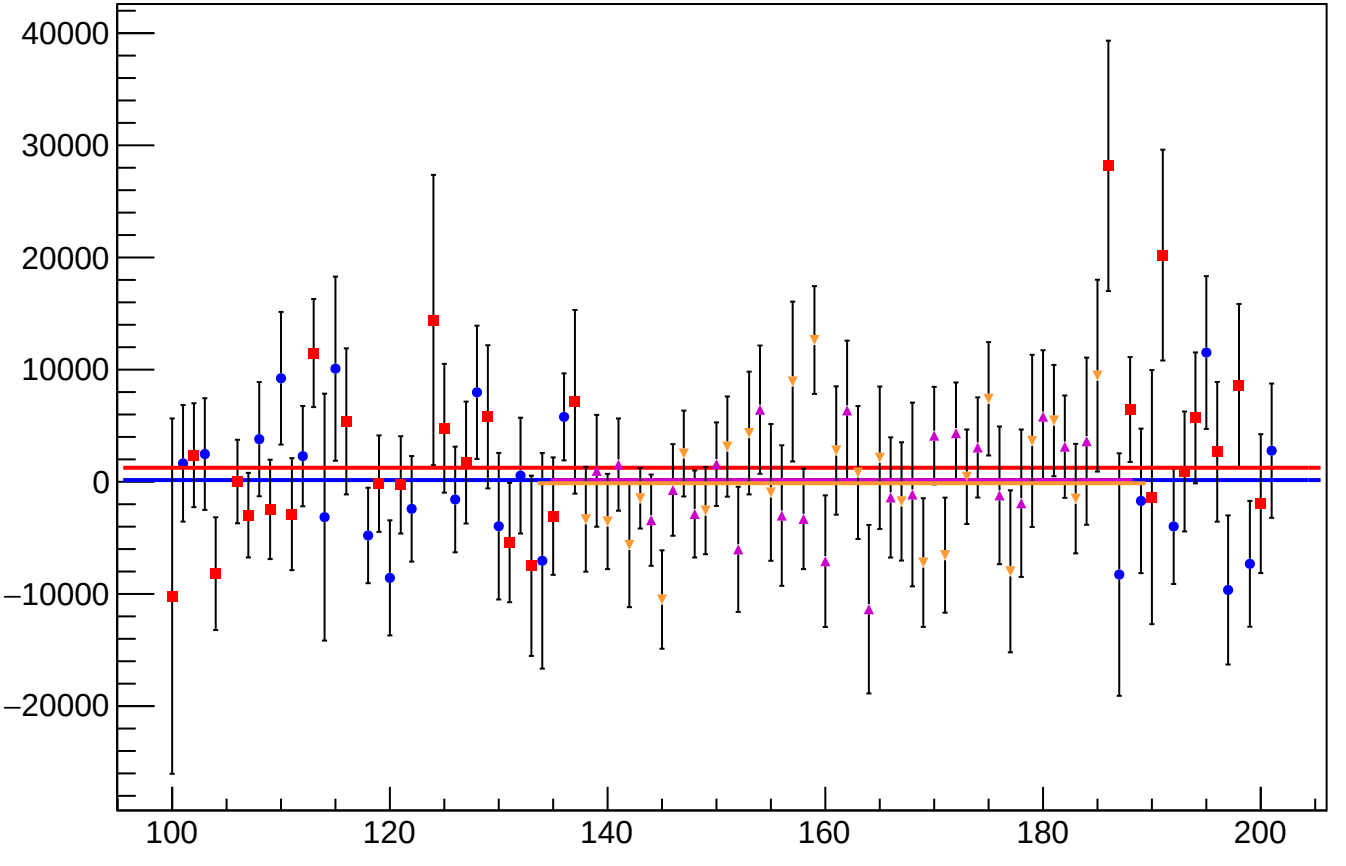
Right: 1307.597+/-0.184 χ^2/NDF: 877925.8/50

In: 1310.614+/-0.168 χ^2/NDF:558269.7/45

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98

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: 1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

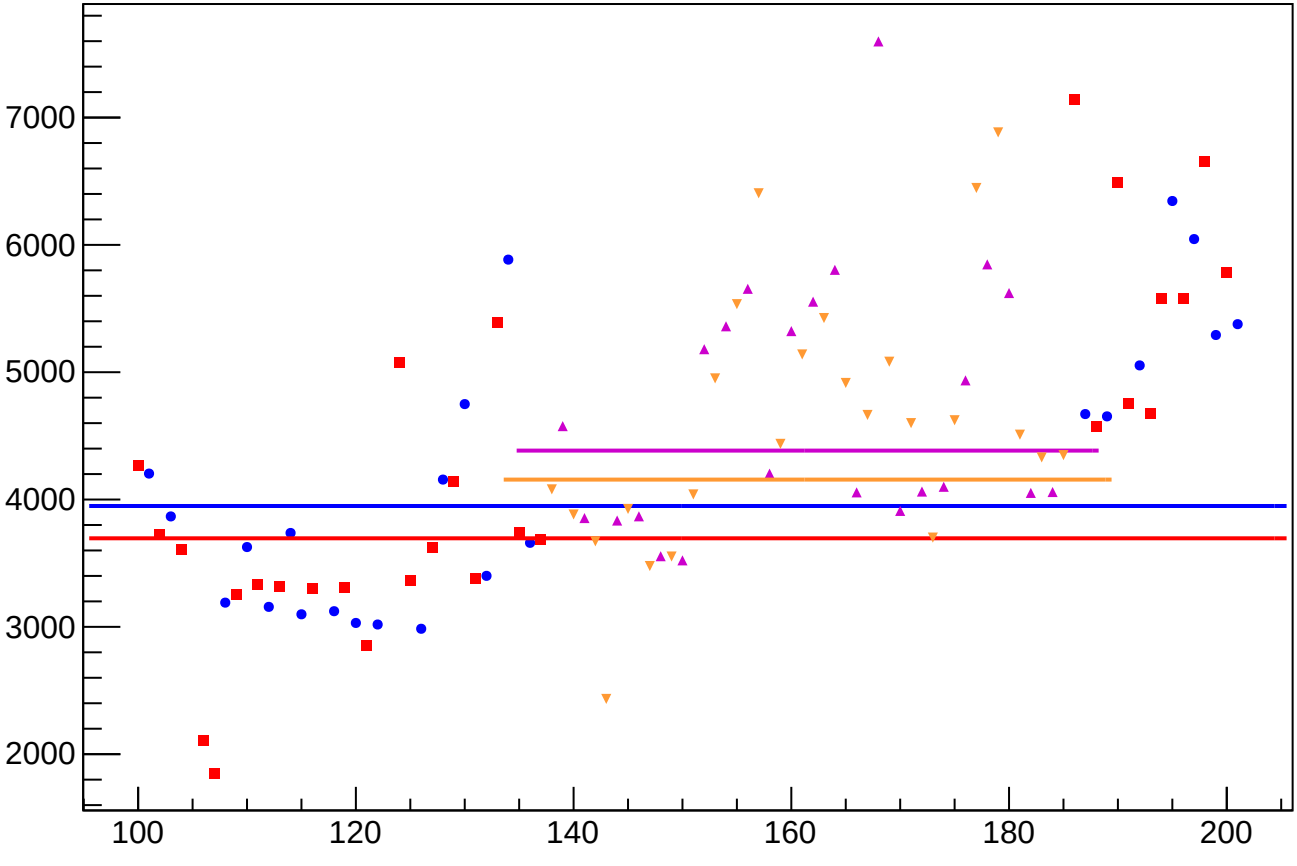
Right: 757.395+/-779.860 χ^2/NDF: 54.1/50

In: 156.948+/-776.897 χ^2/NDF:36.5/45

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 348.827+/-526.592 χ^2/NDF: 97.0/98

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: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

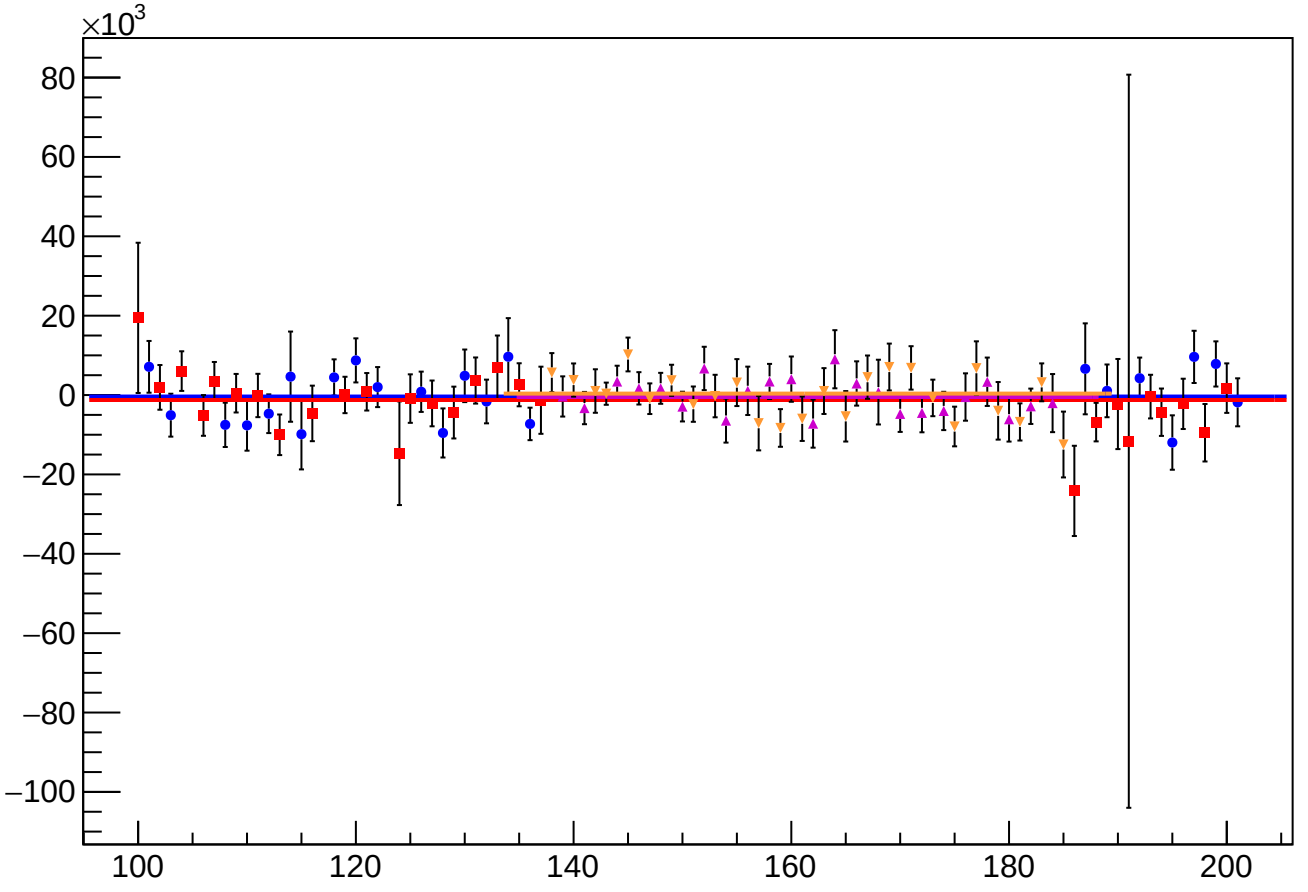
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3810.006+/-0.551 χ^2/NDF: 3987642.1/50

In: 4189.493+/-0.549 χ^2/NDF:2800008.6/45

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98



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: -1246.727+/-1155.430 χ^2/NDF: 19.5/27

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

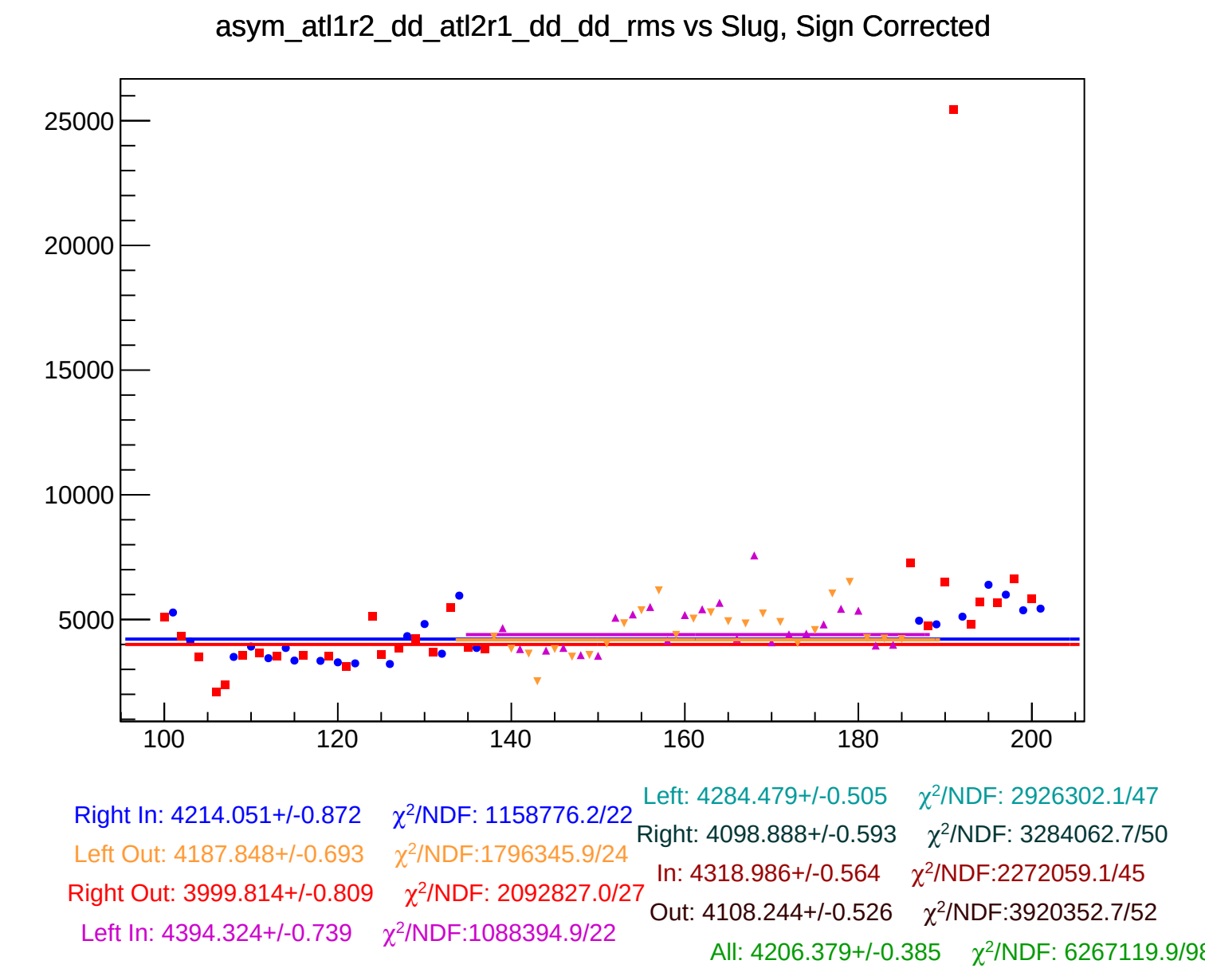
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -839.851+/-843.089 χ^2/NDF: 46.3/50

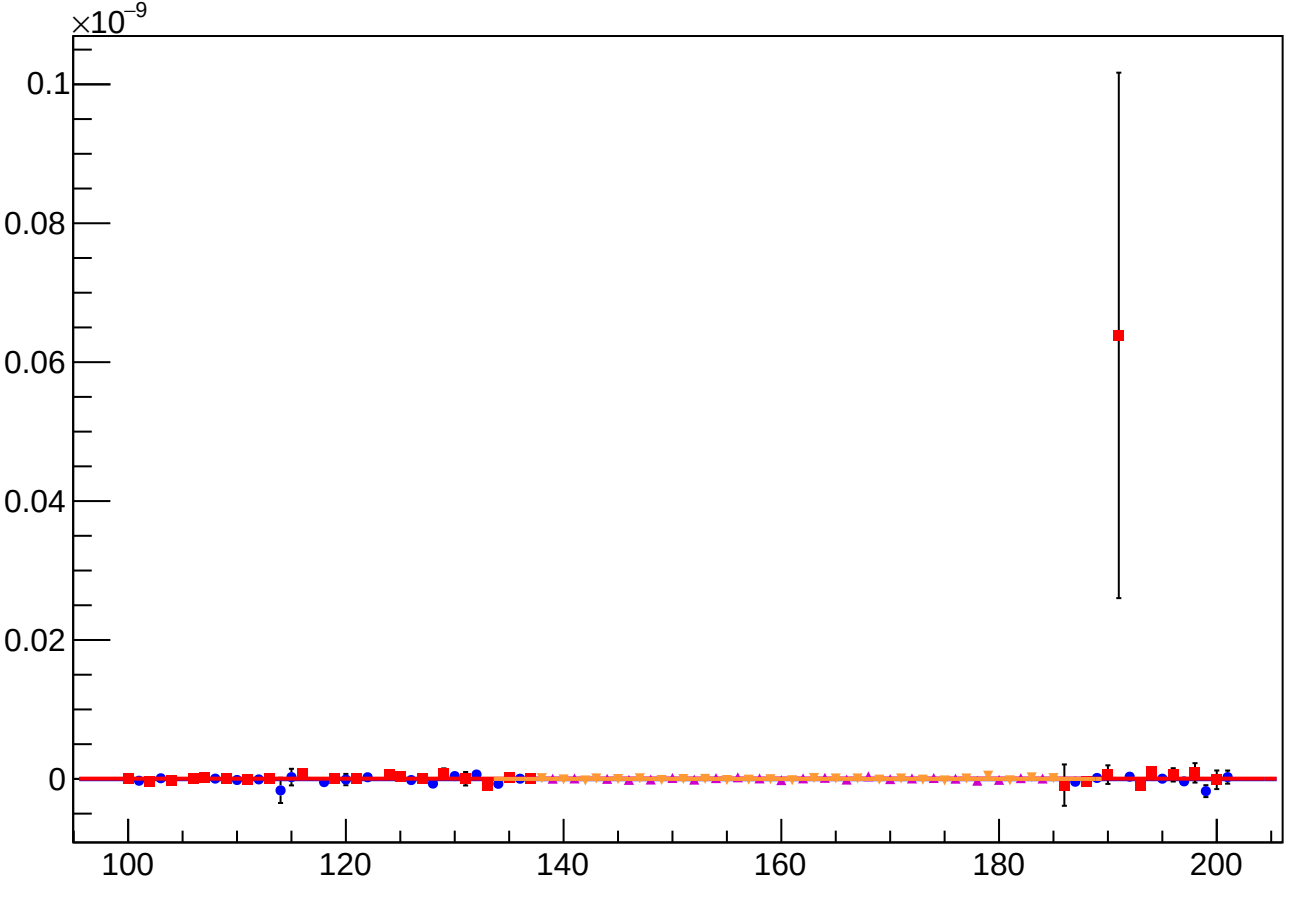
In: -446.963+/-797.058 χ^2/NDF:40.4/45

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -374.431+/-545.168 χ^2/NDF: 88.7/98


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: 3999.814+/-0.809 χ²/NDF: 2092827.0/27
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4098.888+/-0.593 χ²/NDF: 3284062.7/50
In: 4318.986+/-0.564 χ²/NDF:2272059.1/45
Out: 4108.244+/-0.526 χ²/NDF:3920352.7/52
All: 4206.379+/-0.385 χ²/NDF: 6267119.9/98

asym_atl1r2_dd_atl2r1_dd_dd_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: 26.5/27

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

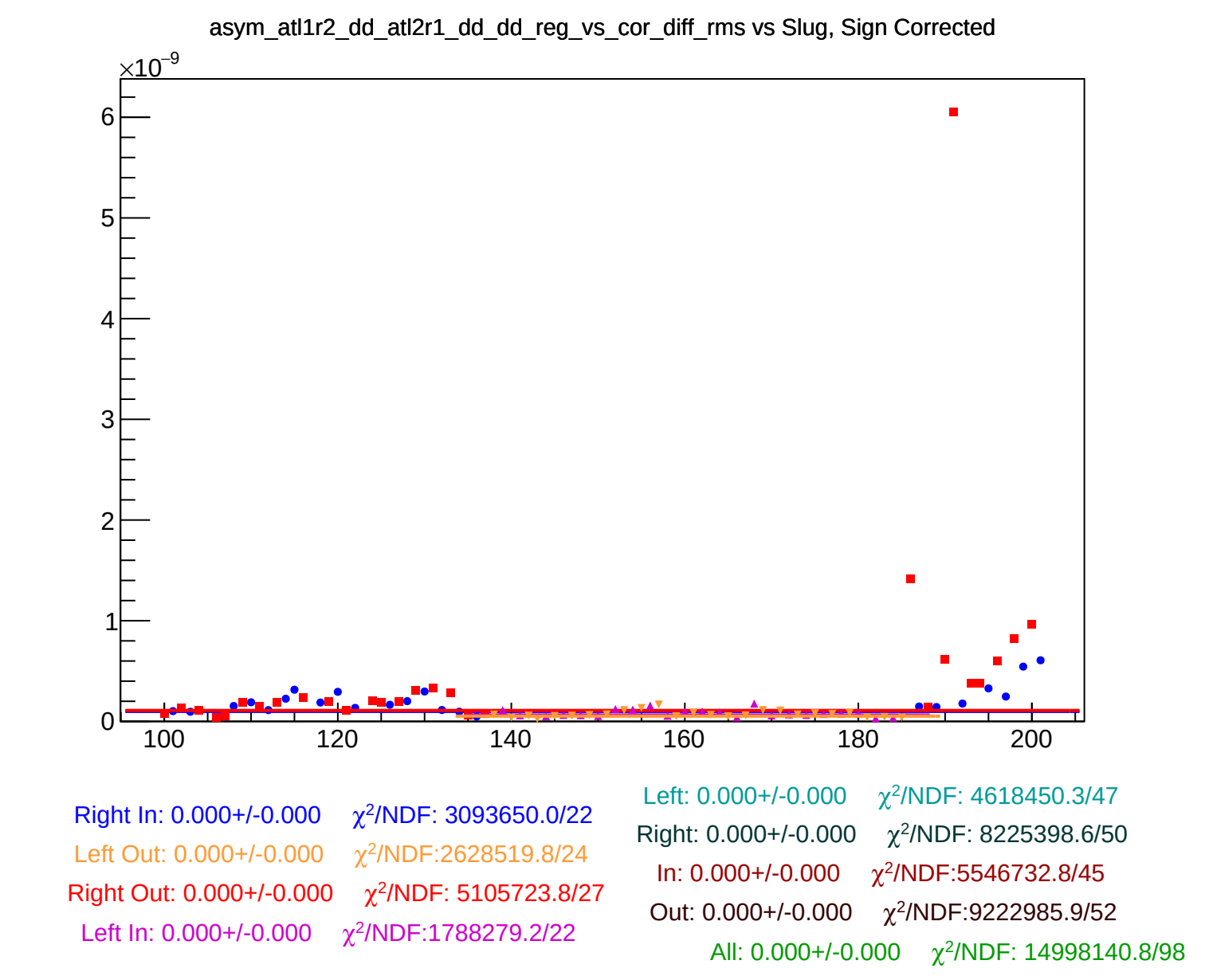
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 50.0/50

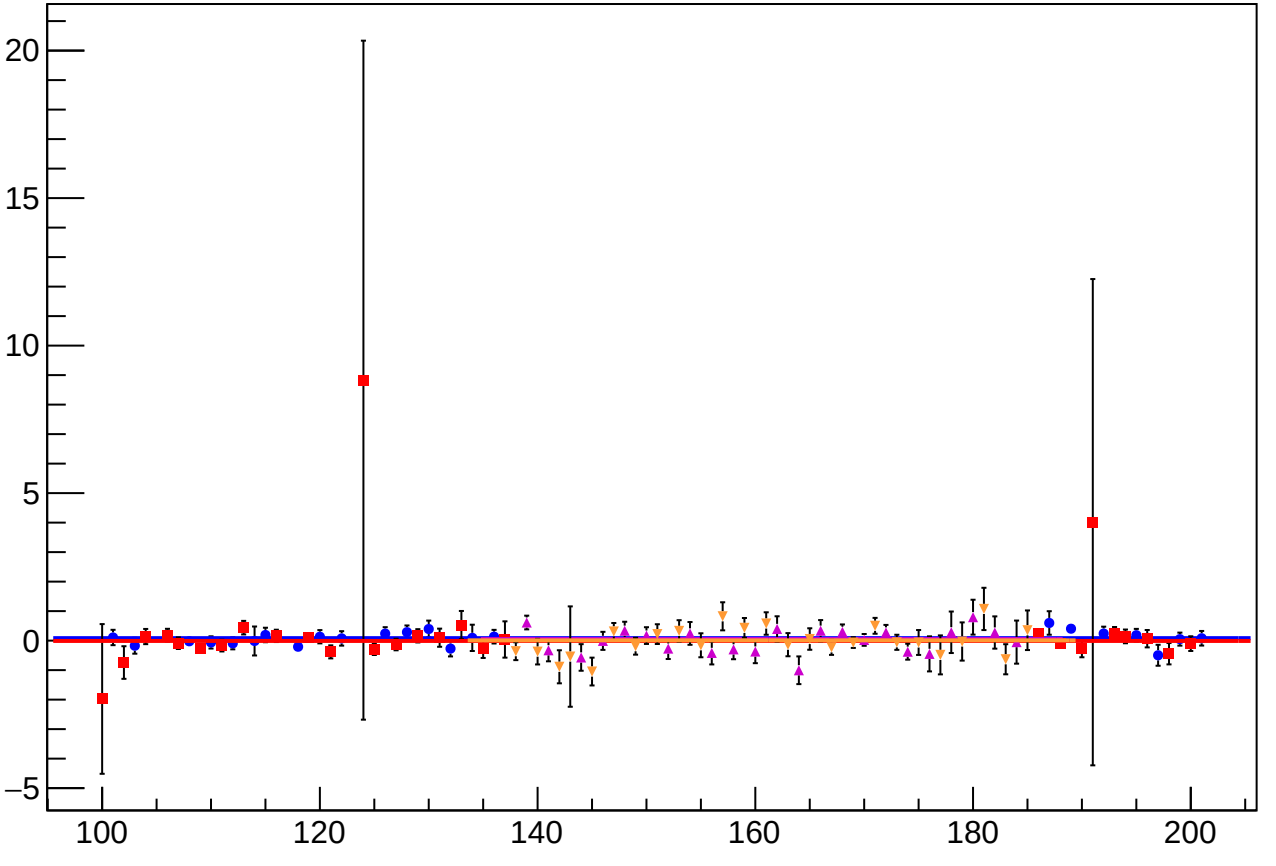
In: 0.000+/-0.000 χ^2/NDF:40.6/45

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/98


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
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: 5105723.8/27
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: 8225398.6/50
In: 0.000+/-0.000 χ²/NDF:5546732.8/45
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14998140.8/98

asym_atl1r2_dd_atl2r1_dd_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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

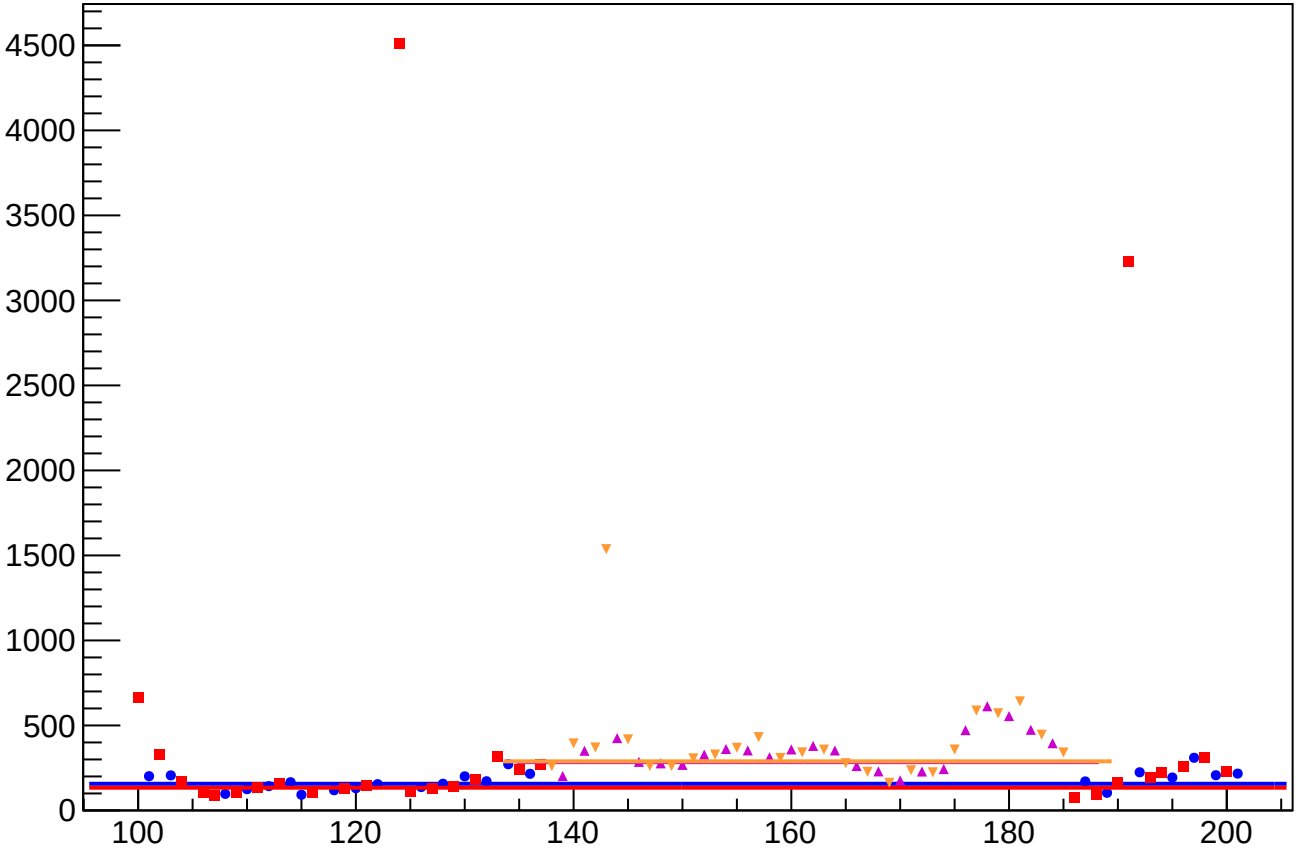
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

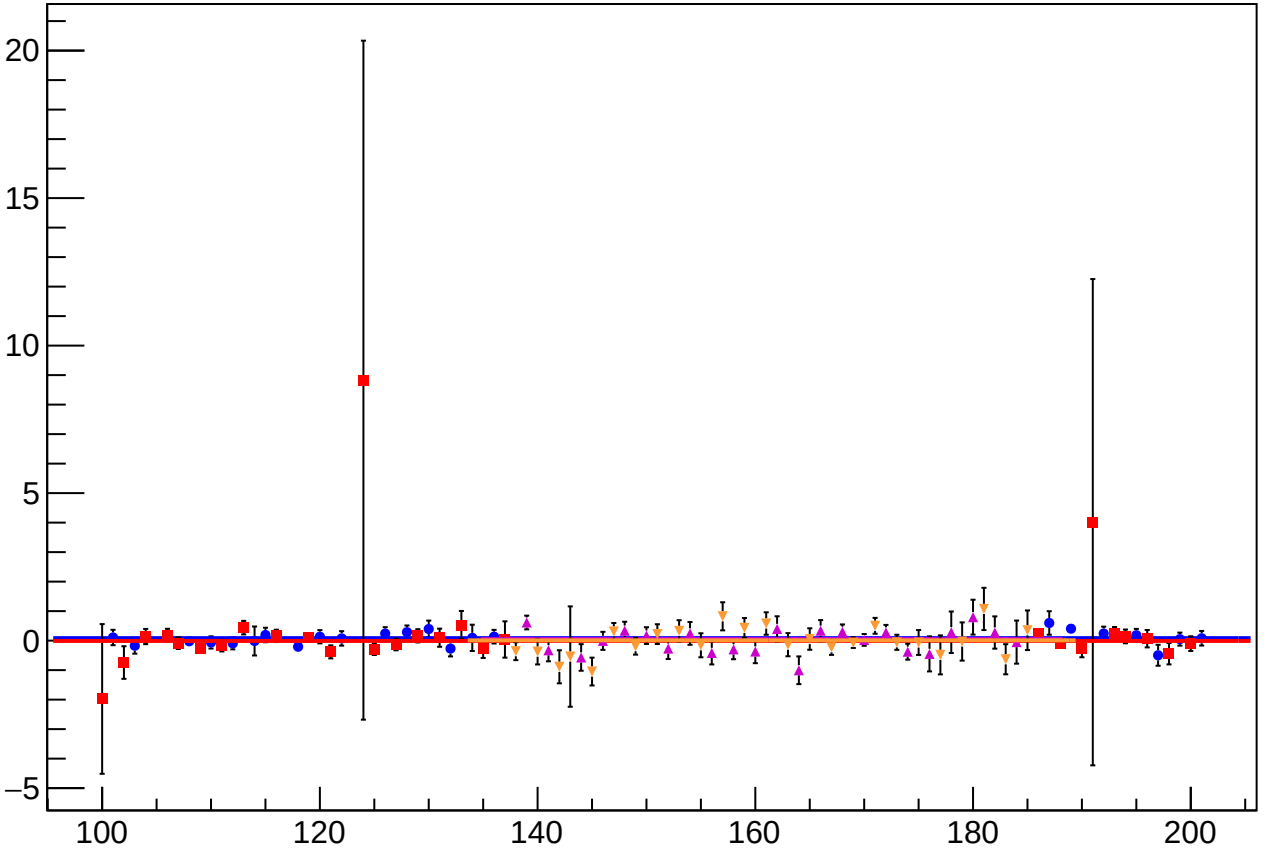
Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

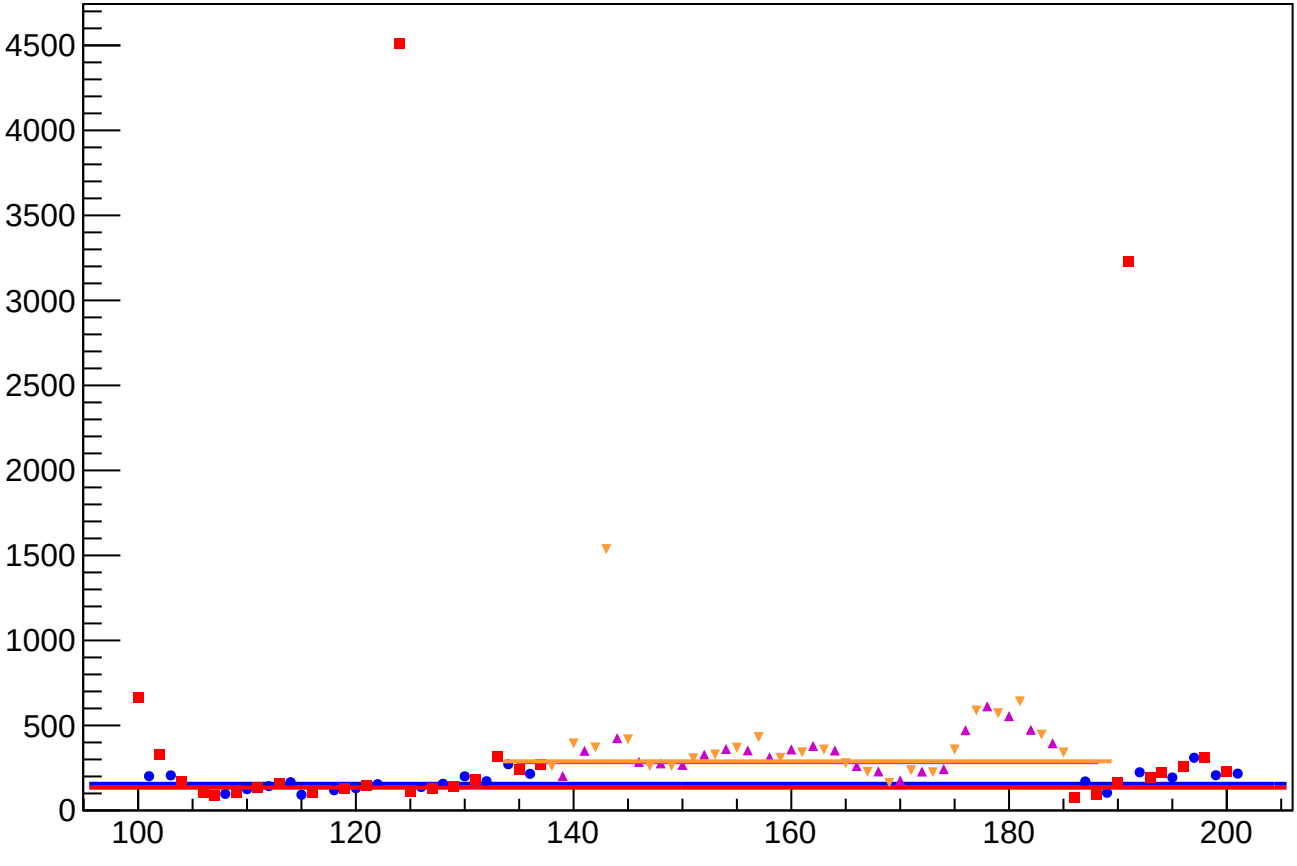
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

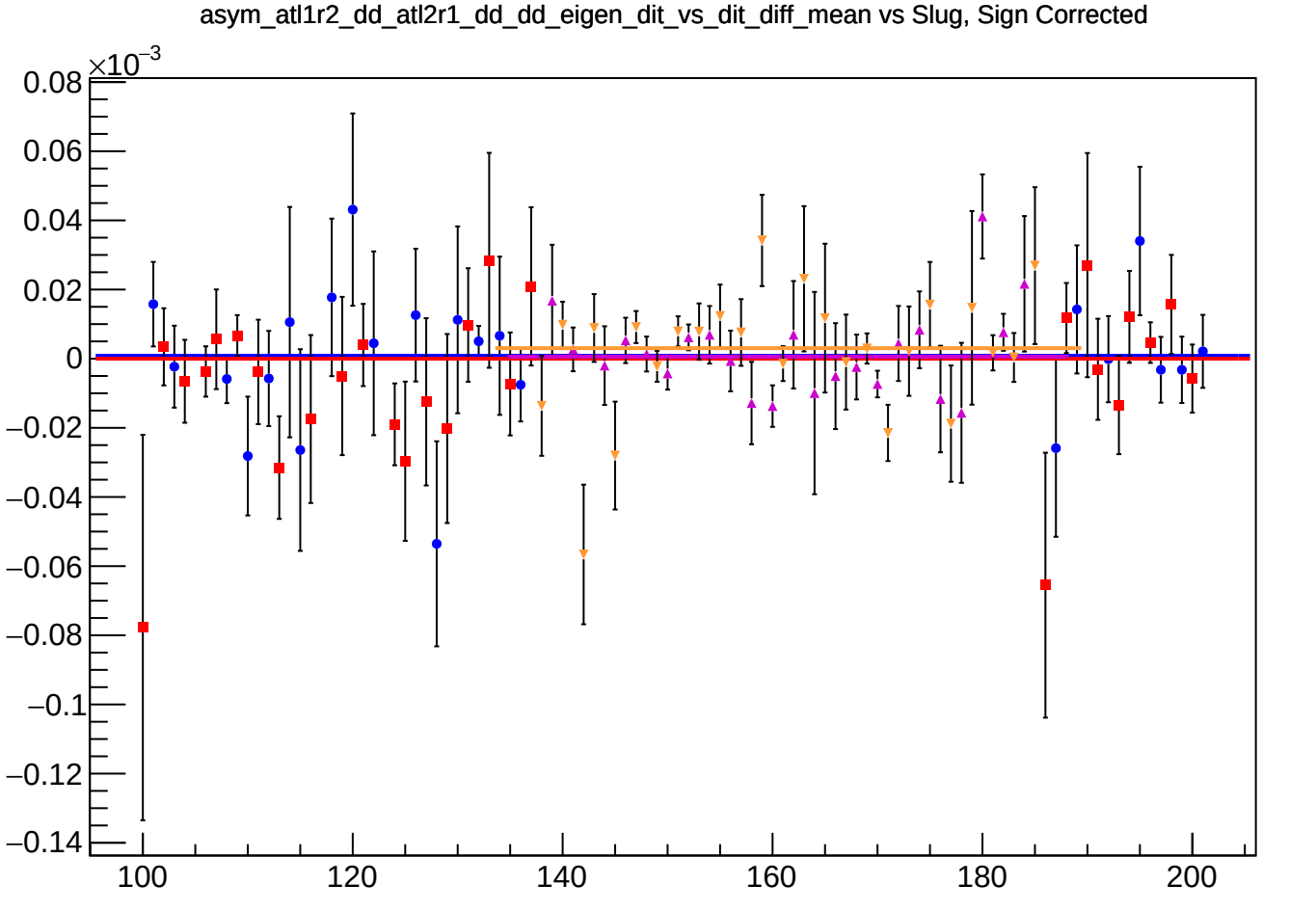
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 143.740+/-0.022 χ^2/NDF: 6660622.8/50

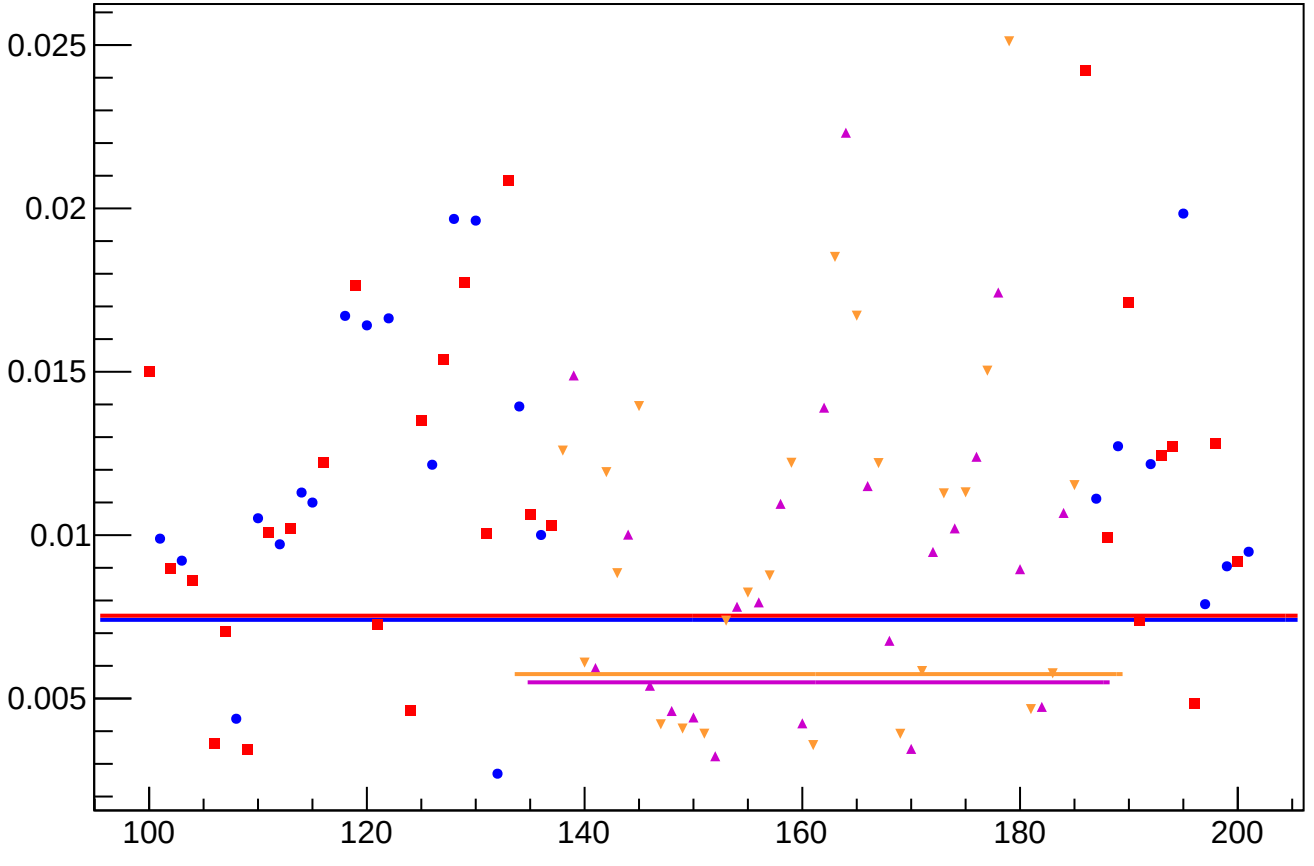
In: 197.256+/-0.028 χ^2/NDF:9663600.6/45

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98


asym_atl1r2_dd_atl2r1_dd_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
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.2/22
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.5/27
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: 0.000+/-0.000 χ²/NDF: 44.8/50
In: 0.000+/-0.000 χ²/NDF:52.4/45
Out: 0.000+/-0.000 χ²/NDF:68.9/52
All: 0.000+/-0.000 χ²/NDF: 122.0/98

asym_atl1r2_dd_atl2r1_dd_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: 5435339.6/27

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

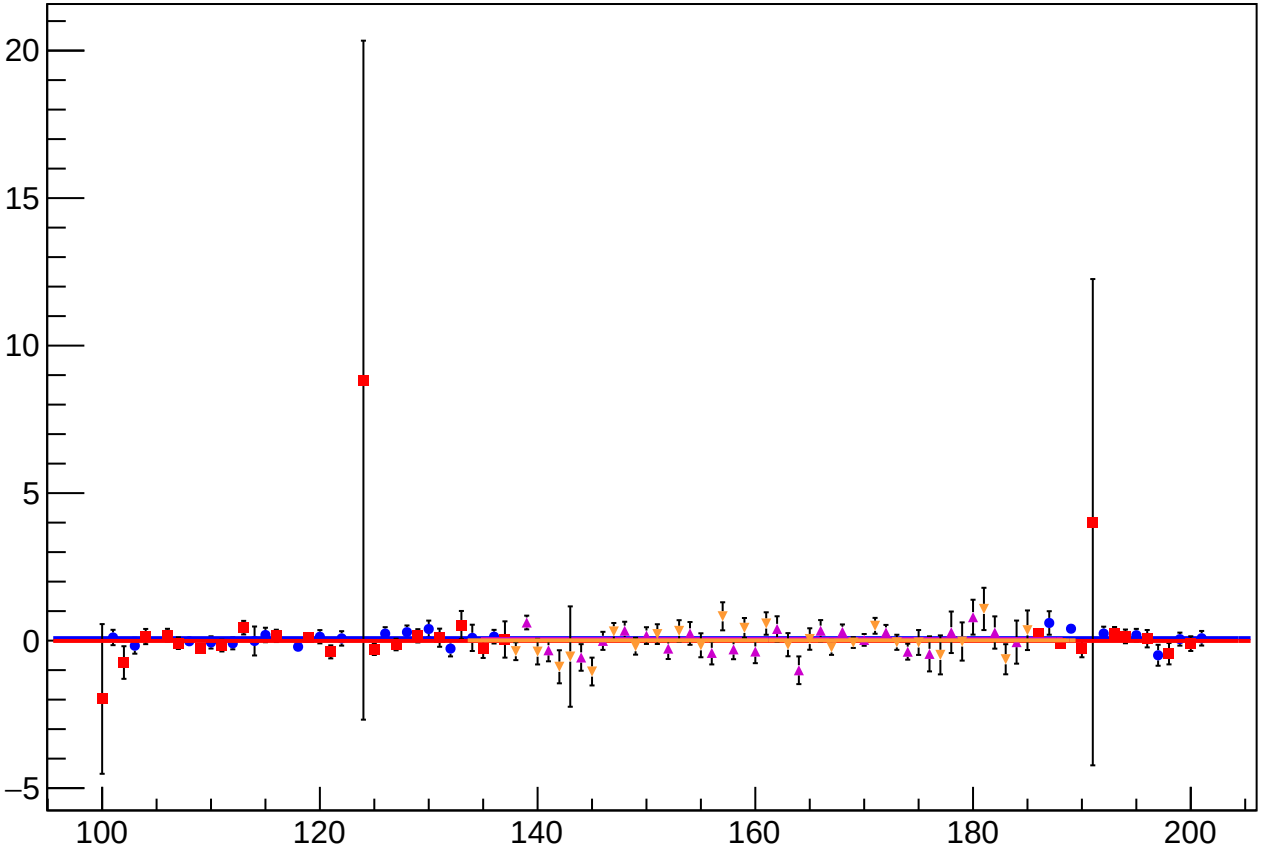
Right: 0.007+/-0.000 χ^2/NDF: 11638175.9/50

In: 0.006+/-0.000 χ^2/NDF:13995347.0/45

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28416040.9/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

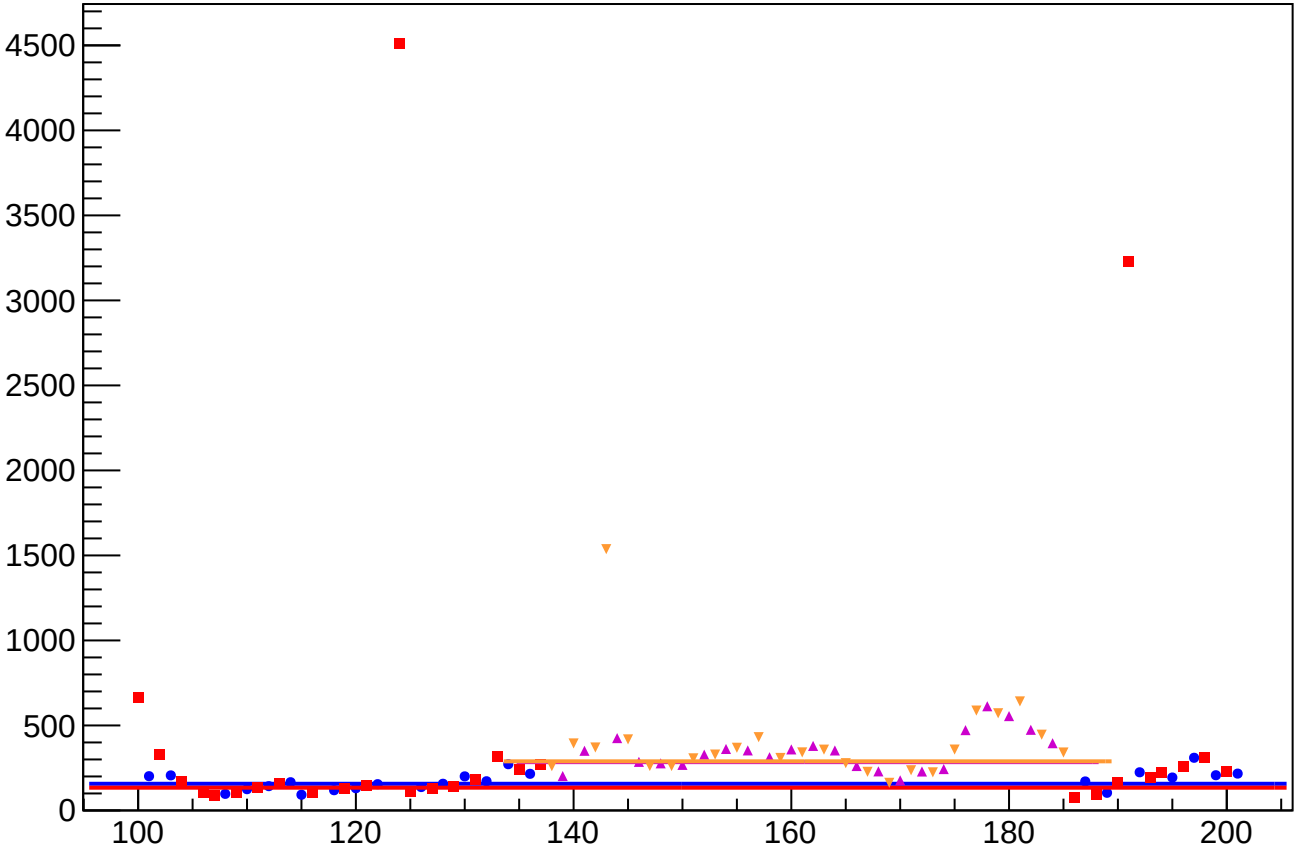
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

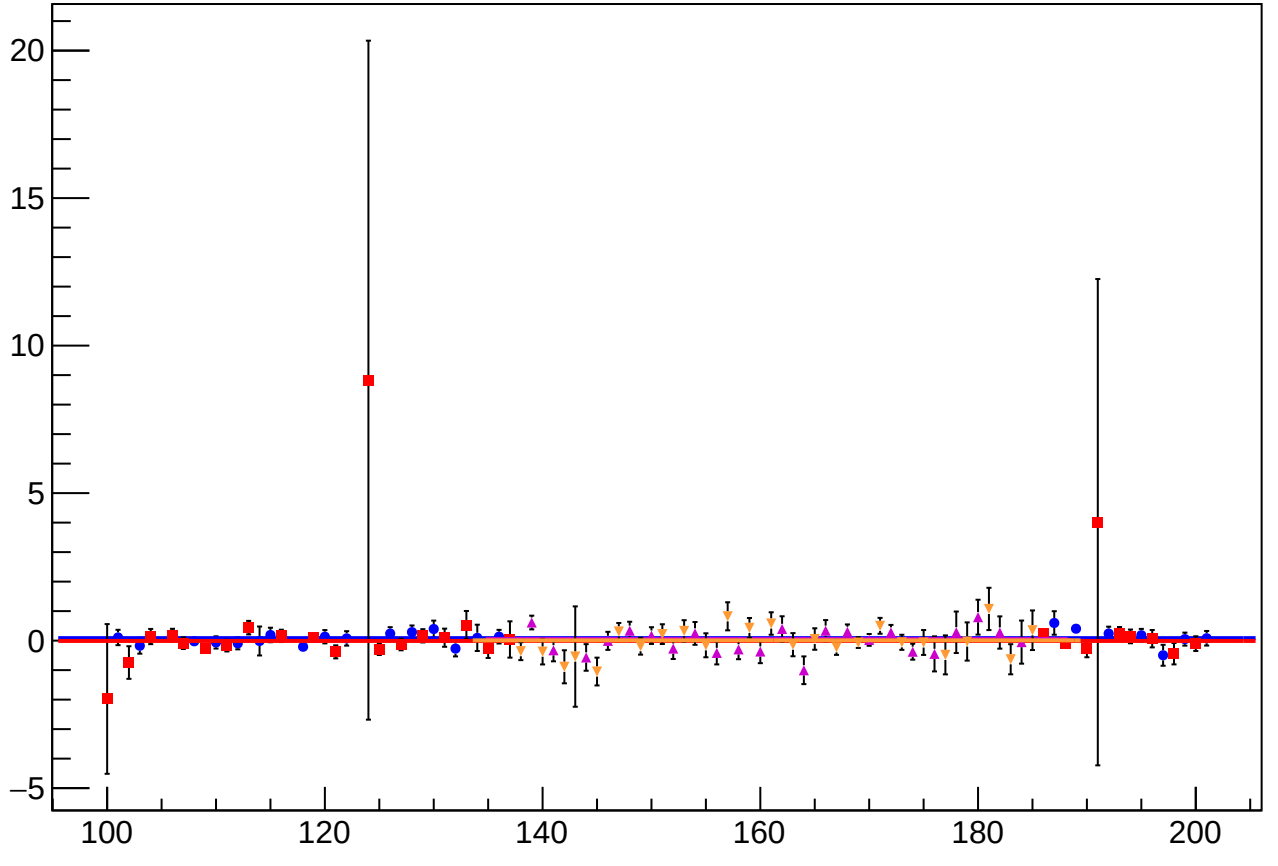
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

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: -0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

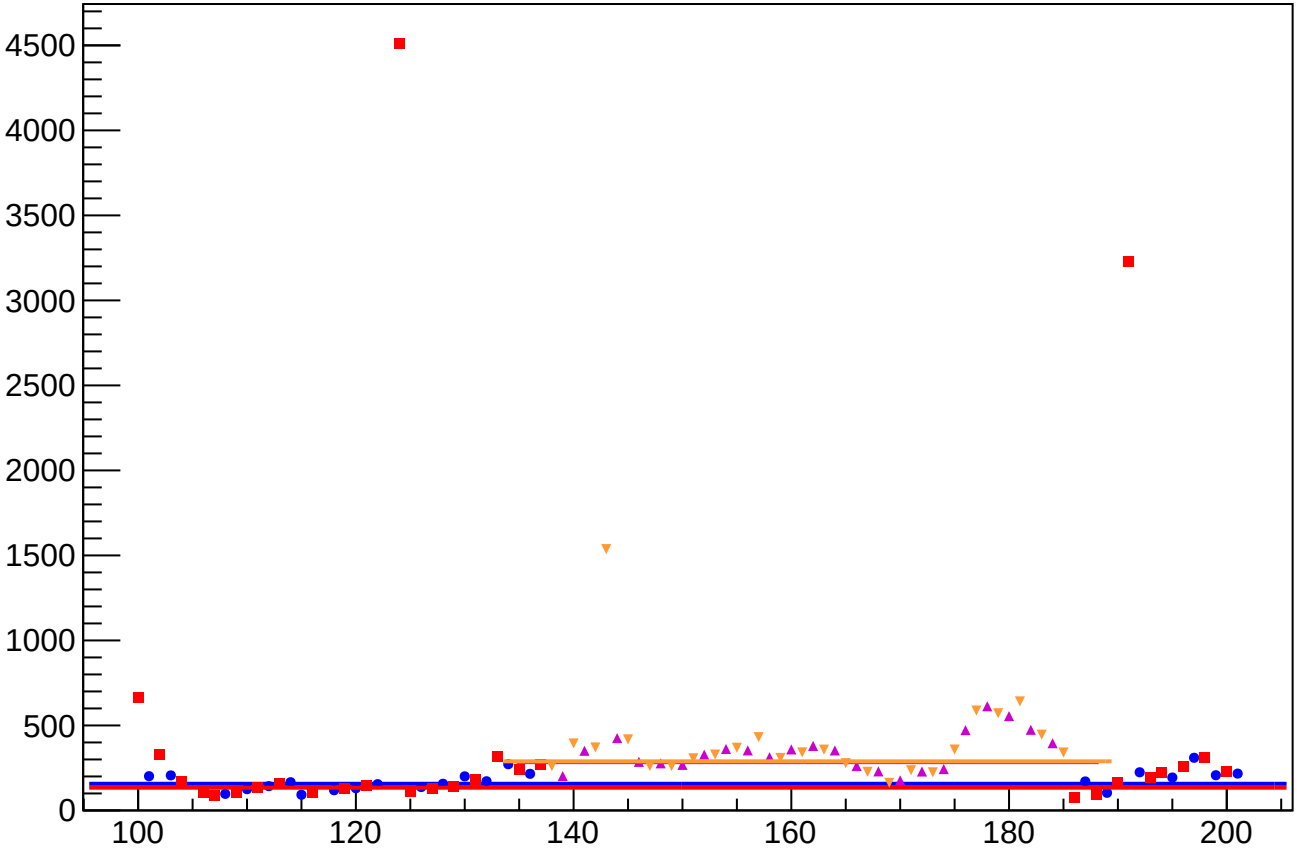
Right: 0.030+/-0.031 χ^2/NDF: 51.2/50

In: 0.074+/-0.040 χ^2/NDF:47.7/45

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/98

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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

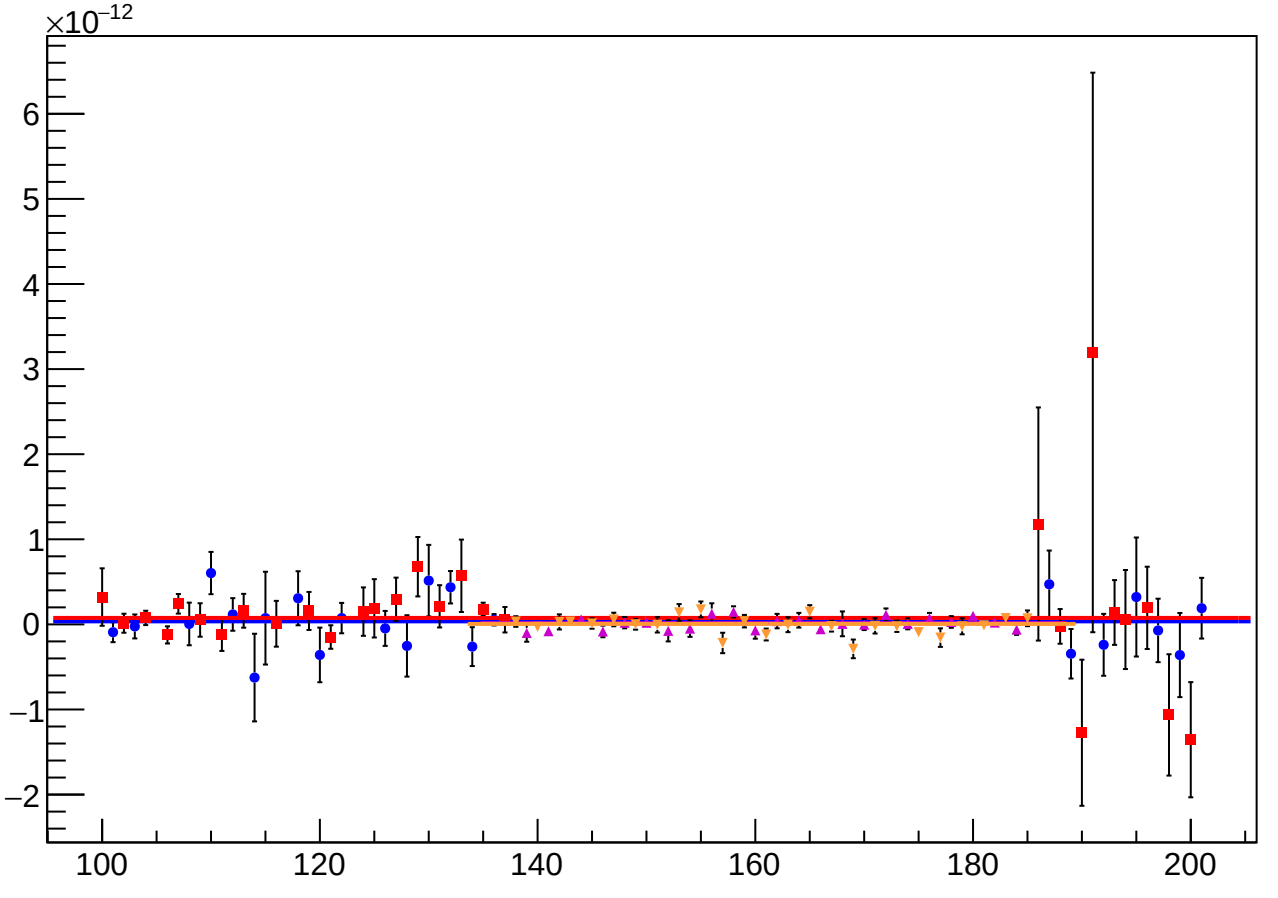
Right: 143.741+/-0.022 χ^2/NDF: 6660376.1/50

In: 197.255+/-0.028 χ^2/NDF:9663805.5/45

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

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: 29.7/27

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

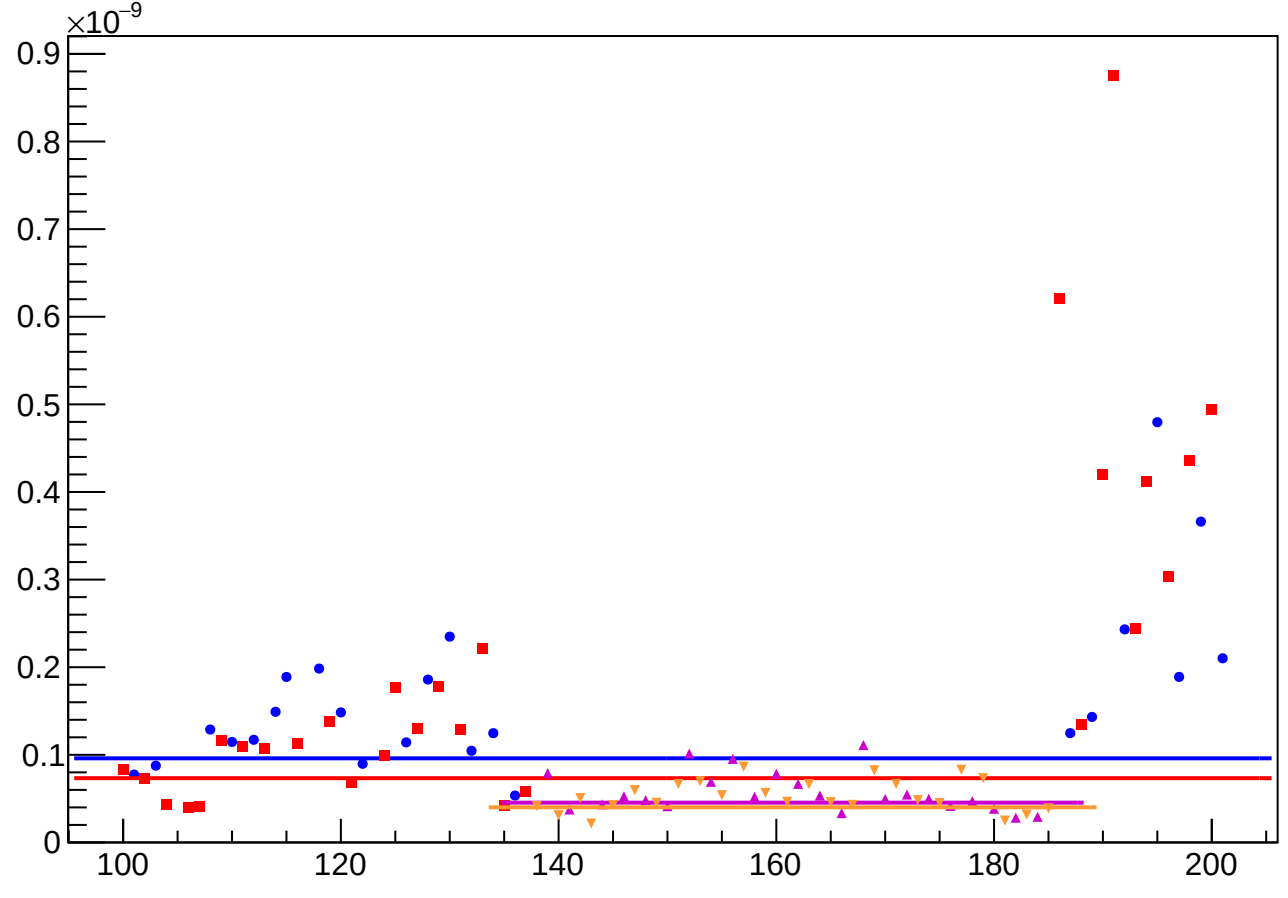
Right: 0.000+/-0.000 χ^2/NDF: 53.8/50

In: 0.000+/-0.000 χ^2/NDF:47.0/45

Out: 0.000+/-0.000 χ^2/NDF:67.7/52

All: 0.000+/-0.000 χ^2/NDF: 114.8/98

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: 6036006.9/27

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

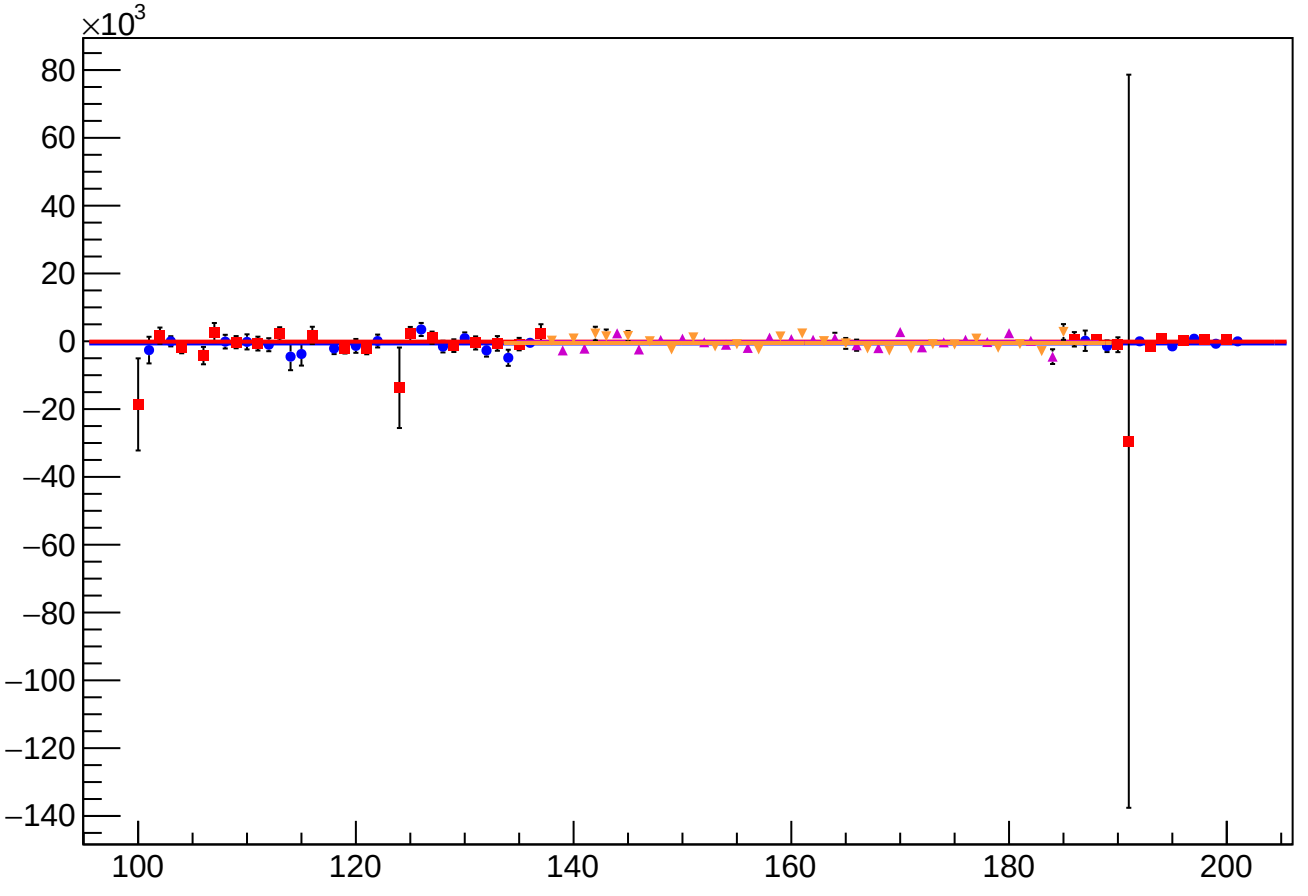
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9990368.1/50

In: 0.000+/-0.000 χ^2/NDF:9108777.8/45

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20776130.2/98



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: -104.047+/-358.219 χ^2/NDF: 18.5/27

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

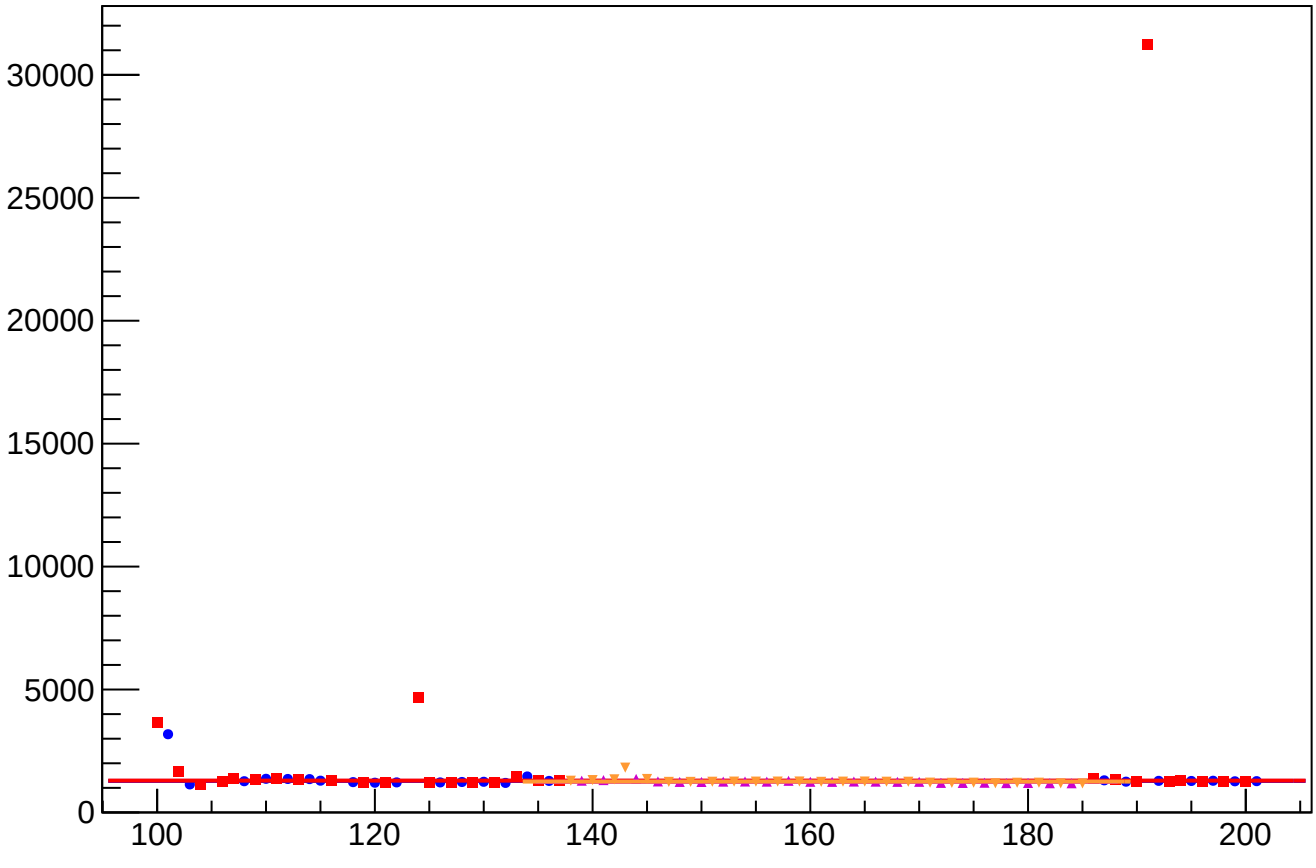
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -362.323+/-257.049 χ^2/NDF: 35.2/50

In: -393.757+/-228.592 χ^2/NDF:48.4/45

Out: -354.743+/-223.477 χ^2/NDF:50.2/52

All: -373.809+/-159.800 χ^2/NDF: 98.6/98



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: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

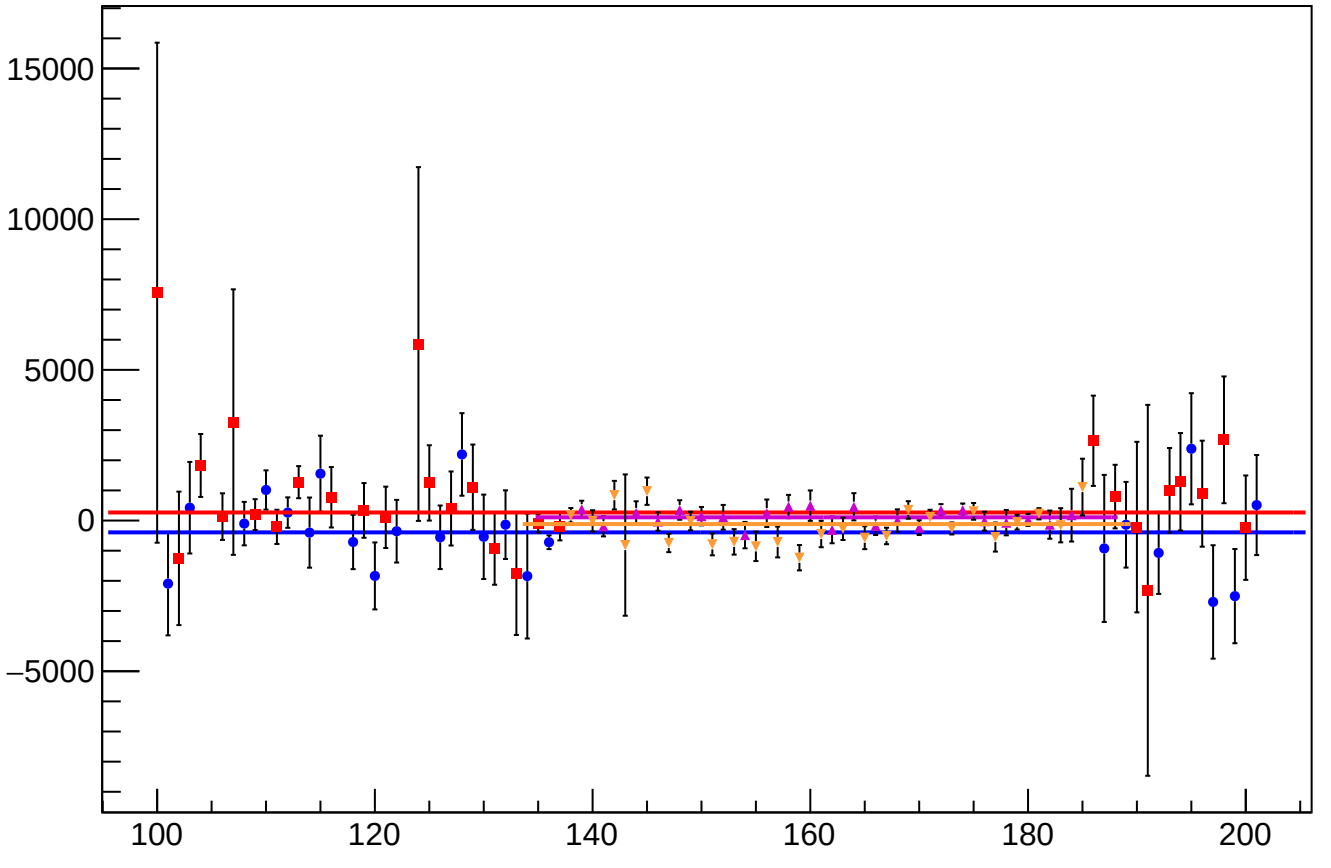
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1288.701+/-0.182 χ^2/NDF: 1011066.5/50

In: 1260.174+/-0.162 χ^2/NDF:570982.7/45

Out: 1270.749+/-0.158 χ^2/NDF:708255.3/52

All: 1265.581+/-0.113 χ^2/NDF: 1281426.4/98



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: 267.969+/-162.126 χ^2/NDF: 20.0/27

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

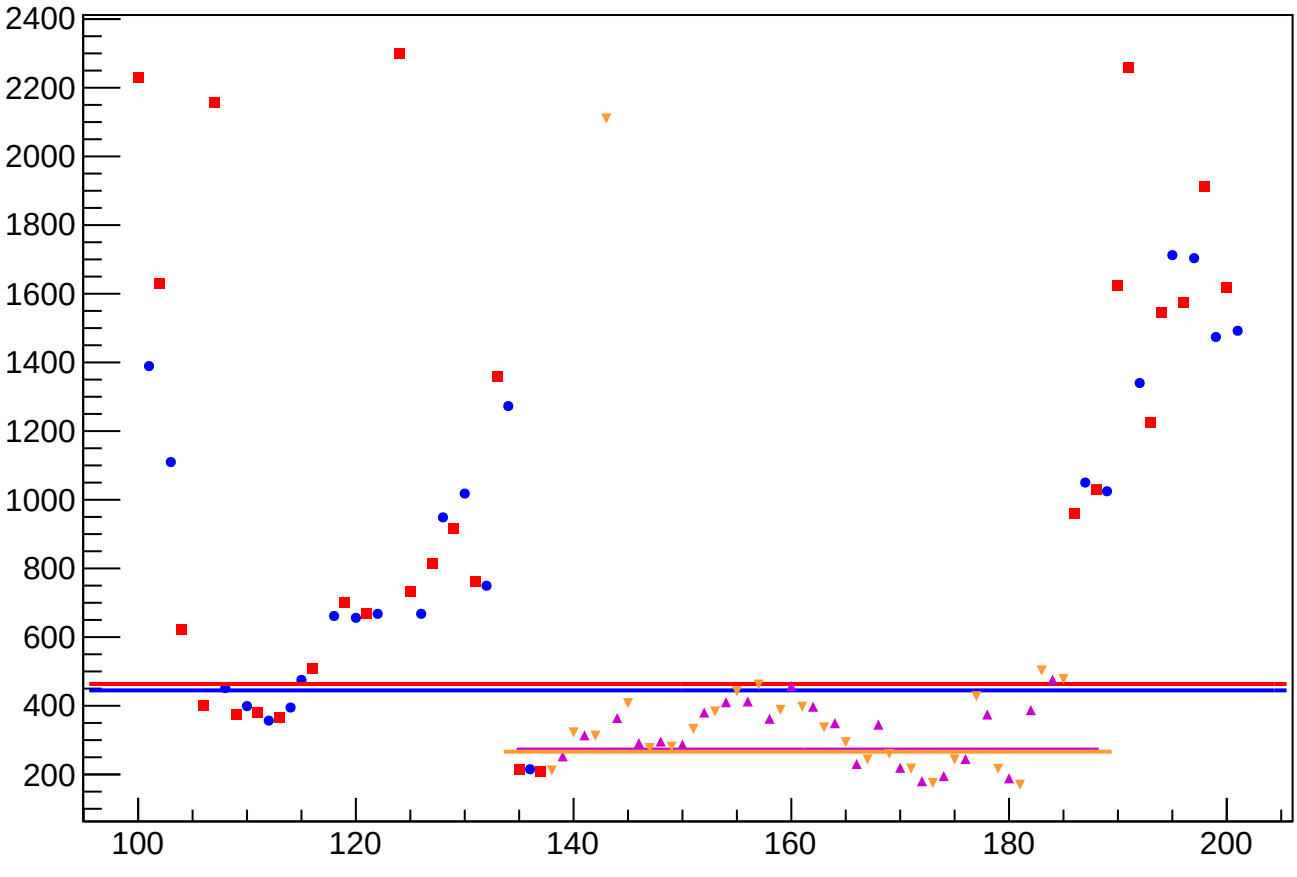
Right: -61.486+/-114.753 χ^2/NDF: 52.7/50

In: 34.710+/-61.939 χ^2/NDF:46.2/45

Out: -63.631+/-60.379 χ^2/NDF:73.3/52

All: -15.715+/-43.235 χ^2/NDF: 120.8/98

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: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

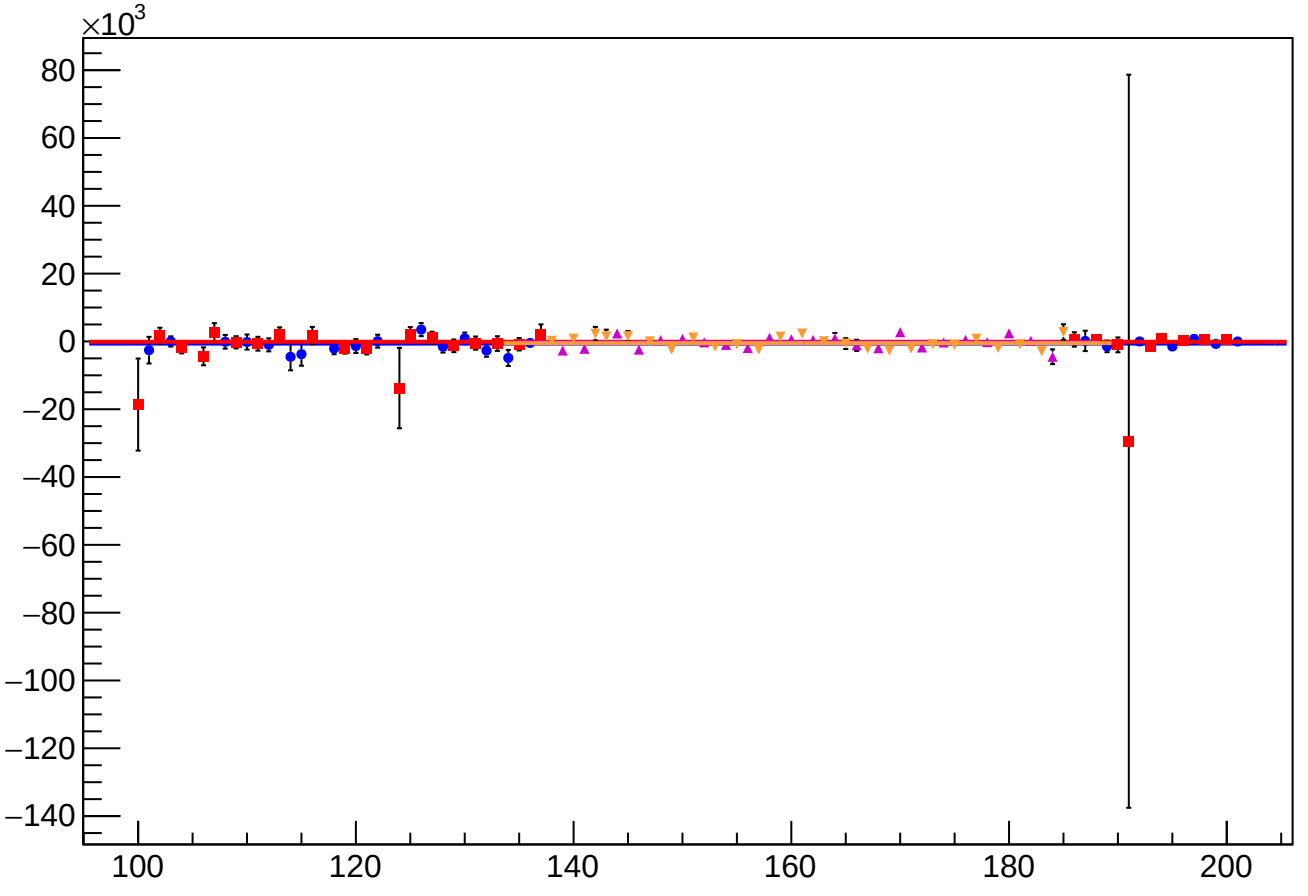
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 454.162+/-0.081 χ^2/NDF: 19281865.3/50

In: 297.440+/-0.044 χ^2/NDF:14153796.8/45

Out: 293.665+/-0.043 χ^2/NDF:17106307.6/52

All: 295.504+/-0.031 χ^2/NDF: 31263913.6/98



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: -102.318+/-358.428 χ^2/NDF: 18.6/27

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

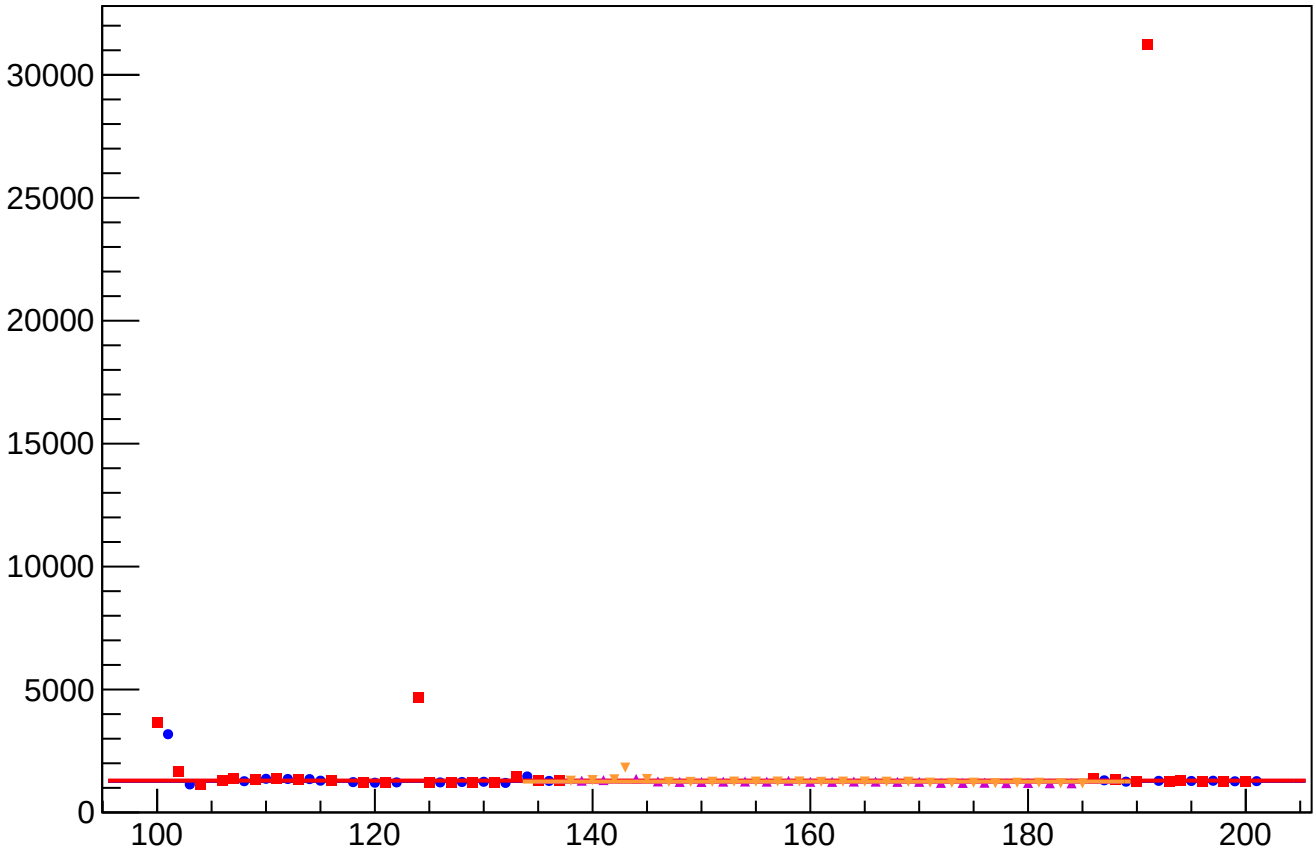
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -361.499+/-257.126 χ^2/NDF: 35.3/50

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -373.469+/-159.819 χ^2/NDF: 98.7/98



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: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

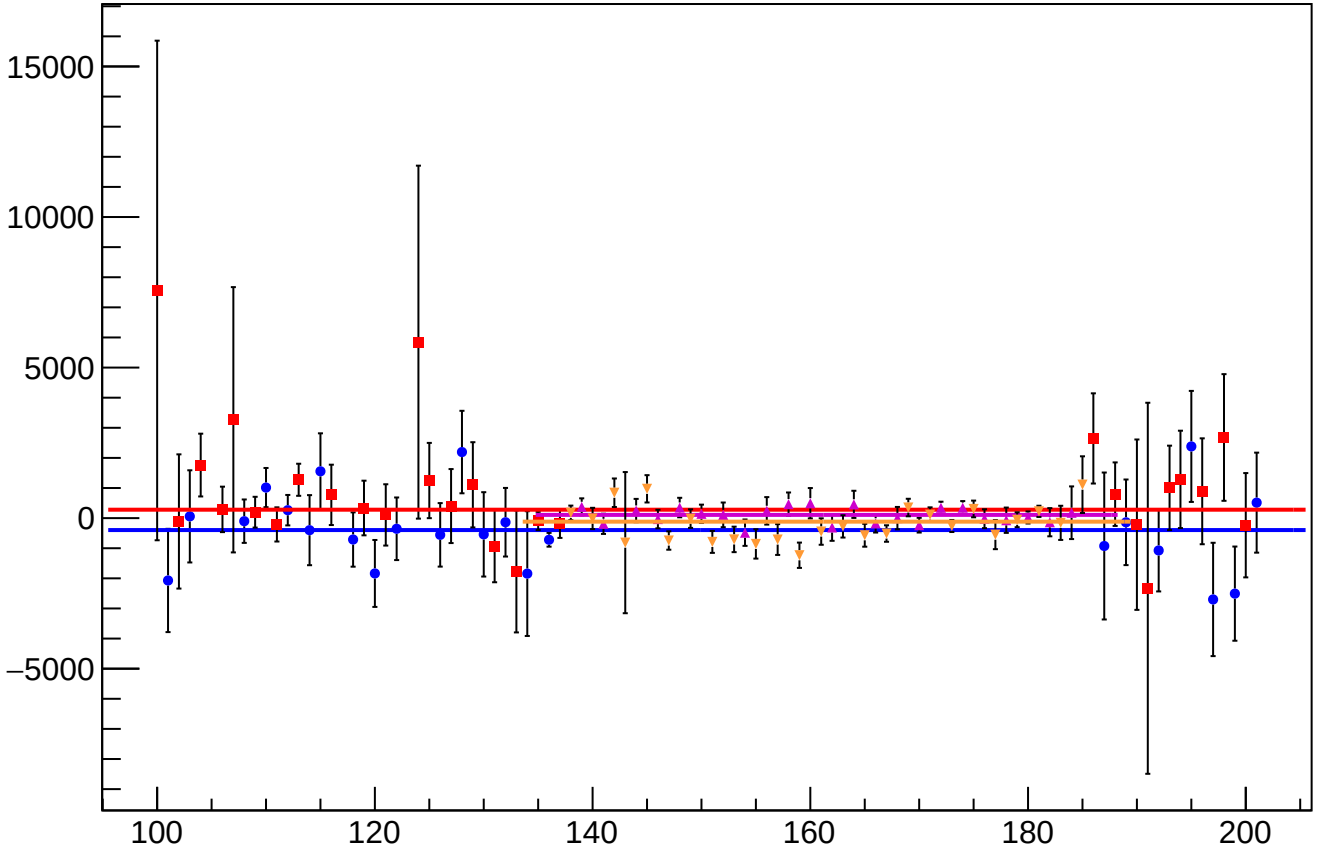
Right: 1289.102+/-0.182 χ^2/NDF: 1010929.4/50

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

asym_atl1r2_dd_atl2r1_dd_avg_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: 279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

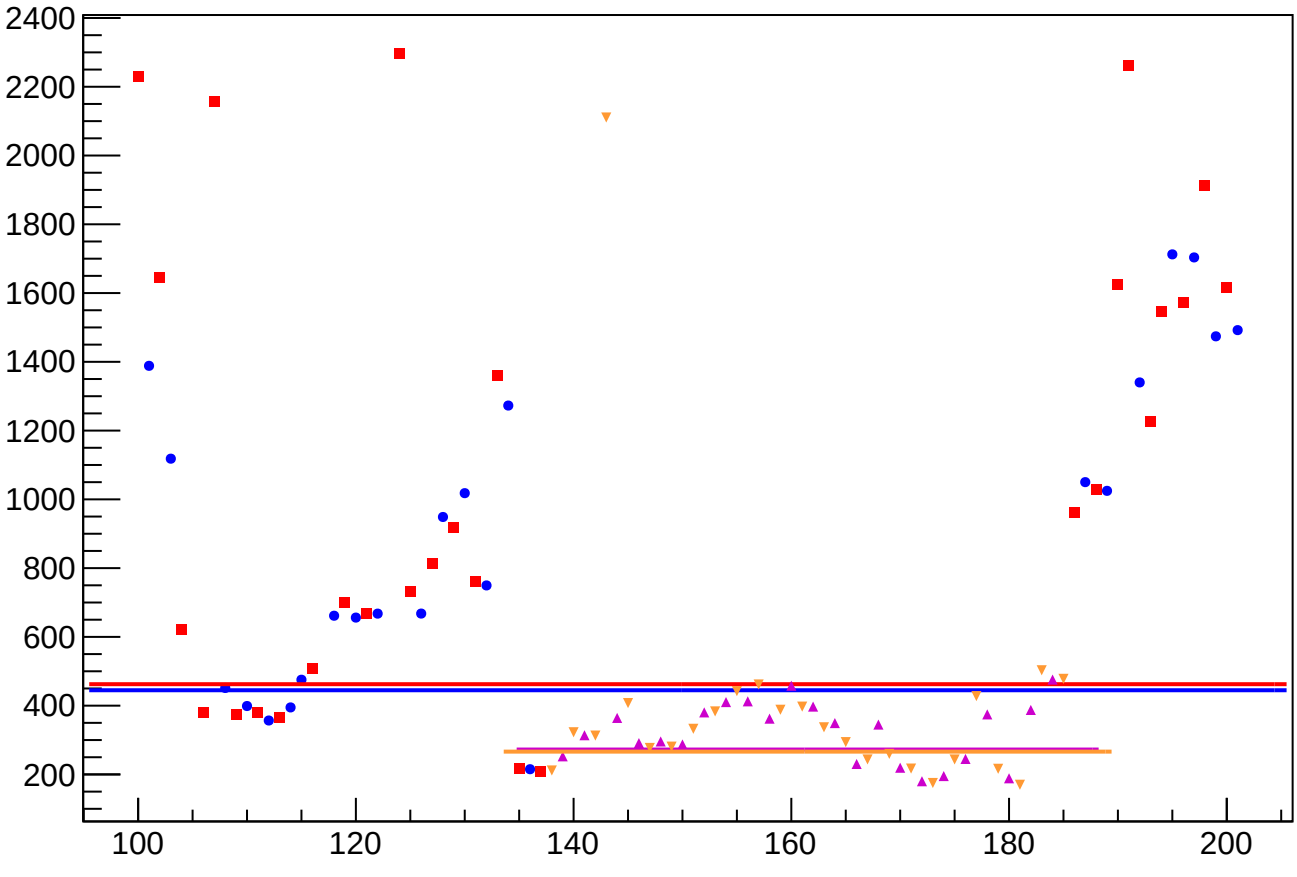
Right: -57.201+/-114.698 χ^2/NDF: 52.2/50

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.052+/-43.233 χ^2/NDF: 120.3/98

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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

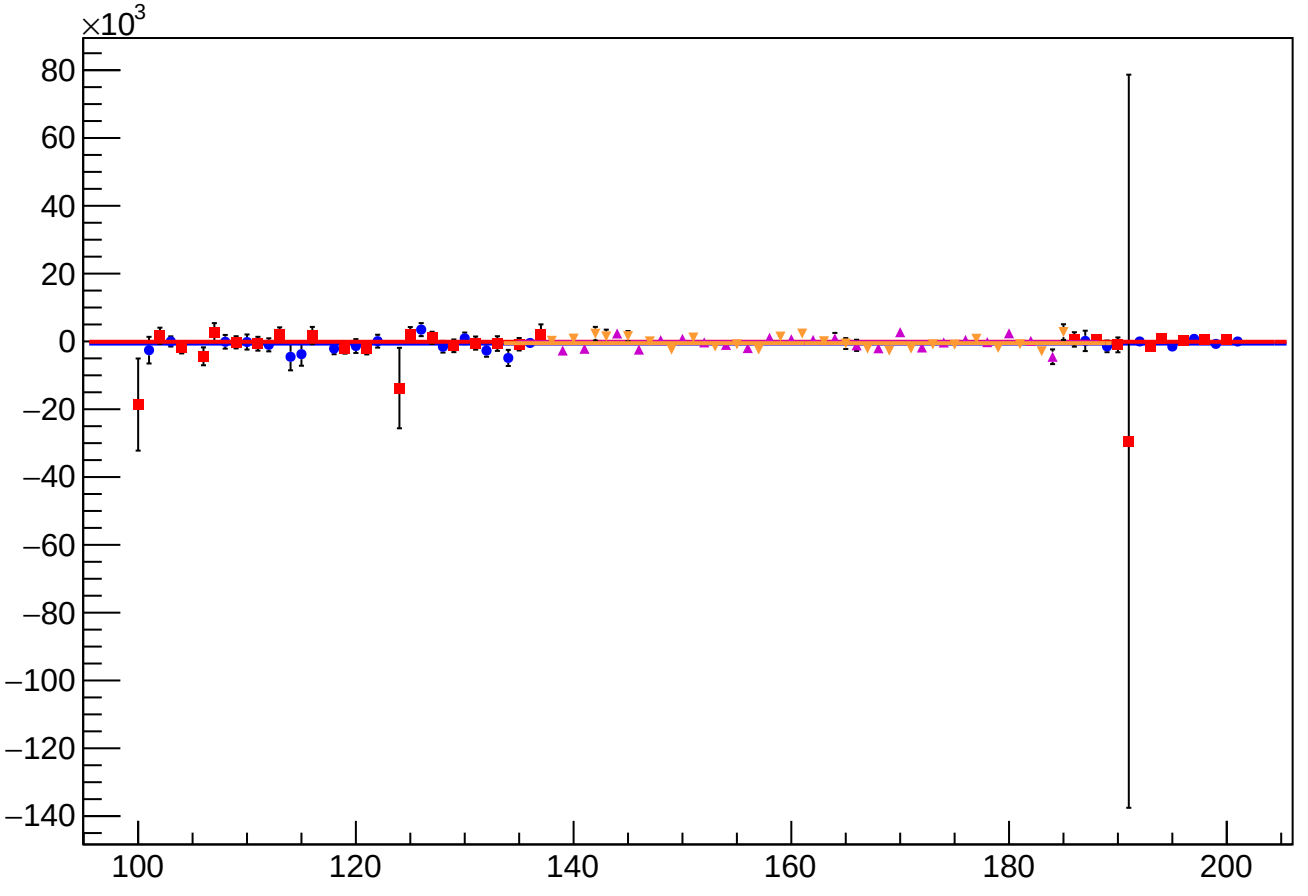
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 453.659+/-0.081 χ^2/NDF: 19300750.1/50

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98



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: -102.318+/-358.428 χ^2/NDF: 18.6/27

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

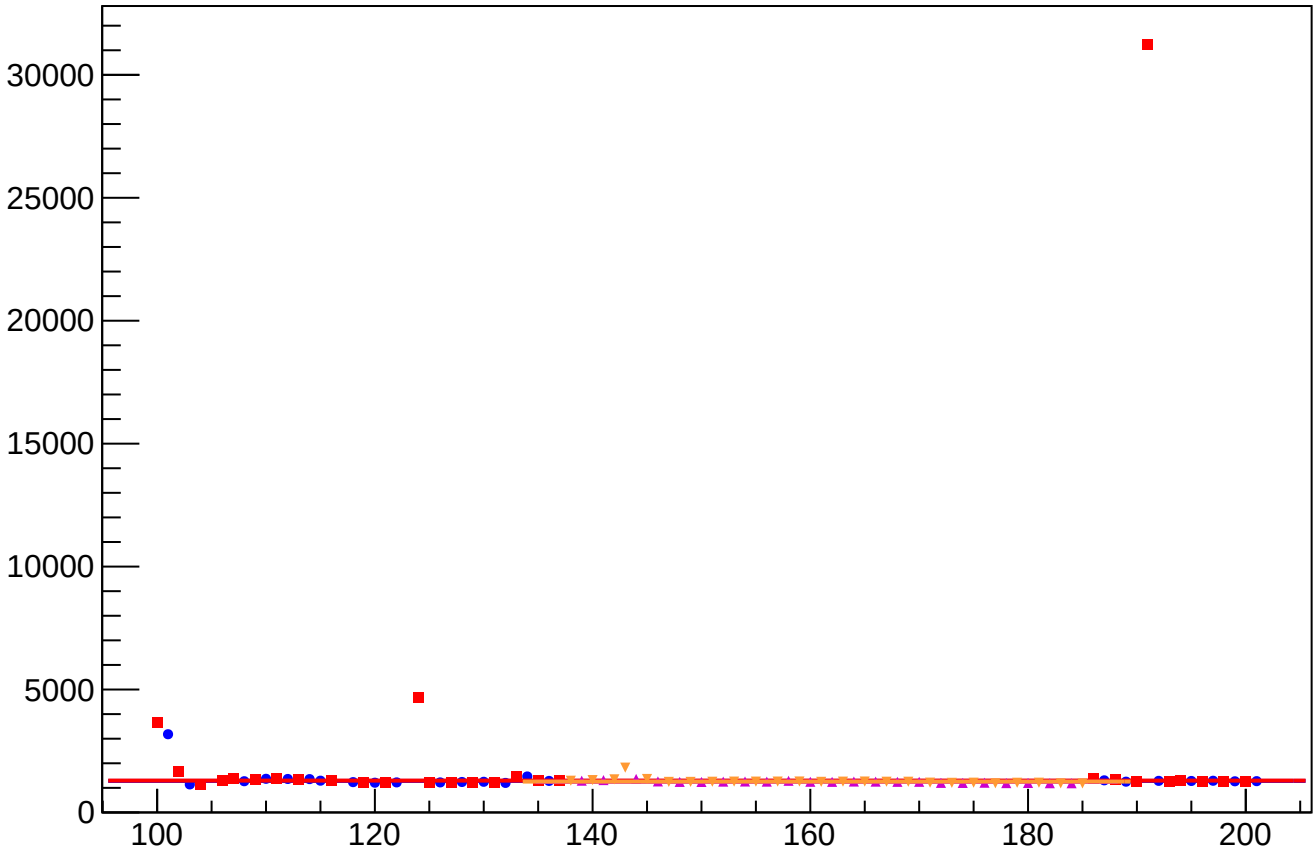
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -361.499+/-257.126 χ^2/NDF: 35.3/50

In: -393.671+/-228.592 χ^2/NDF:48.4/45

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -373.469+/-159.819 χ^2/NDF: 98.7/98



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: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

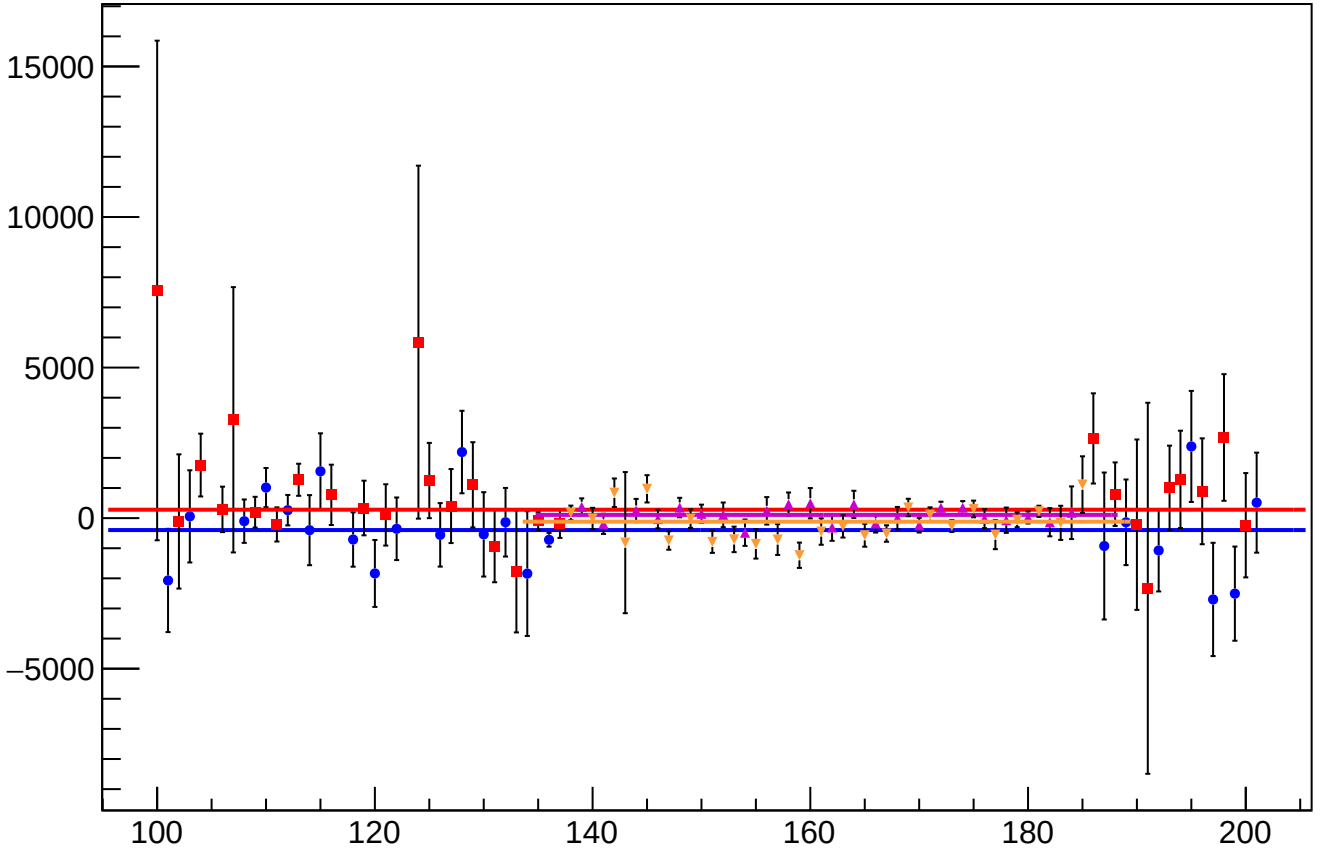
Right: 1289.102+/-0.182 χ^2/NDF: 1010929.4/50

In: 1260.174+/-0.162 χ^2/NDF:570984.0/45

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

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: 279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

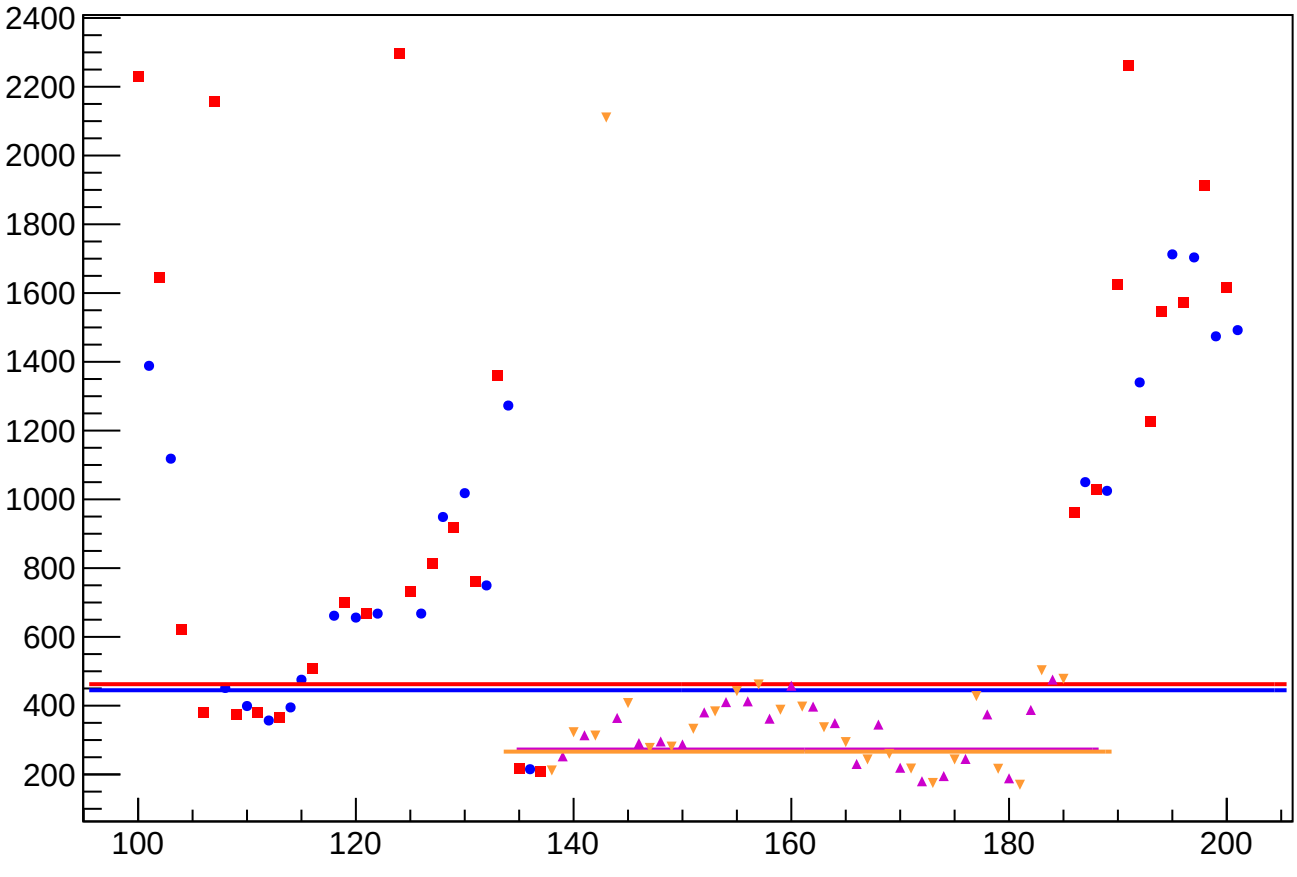
Right: -57.201+/-114.698 χ^2/NDF: 52.2/50

In: 34.216+/-61.942 χ^2/NDF:46.1/45

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.052+/-43.233 χ^2/NDF: 120.3/98

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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

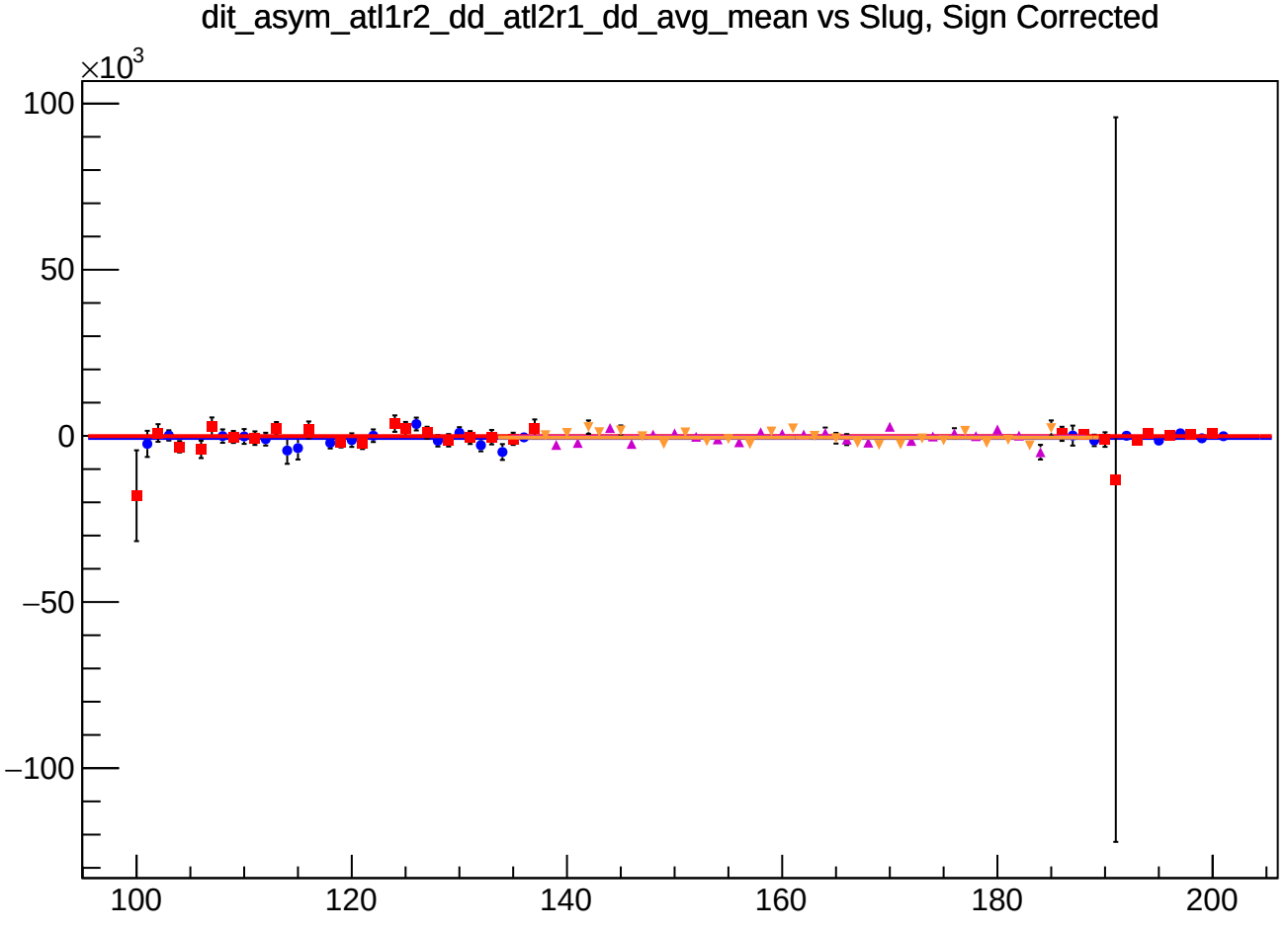
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 453.659+/-0.081 χ^2/NDF: 19300750.1/50

In: 297.445+/-0.044 χ^2/NDF:14156281.5/45

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98



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: -77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

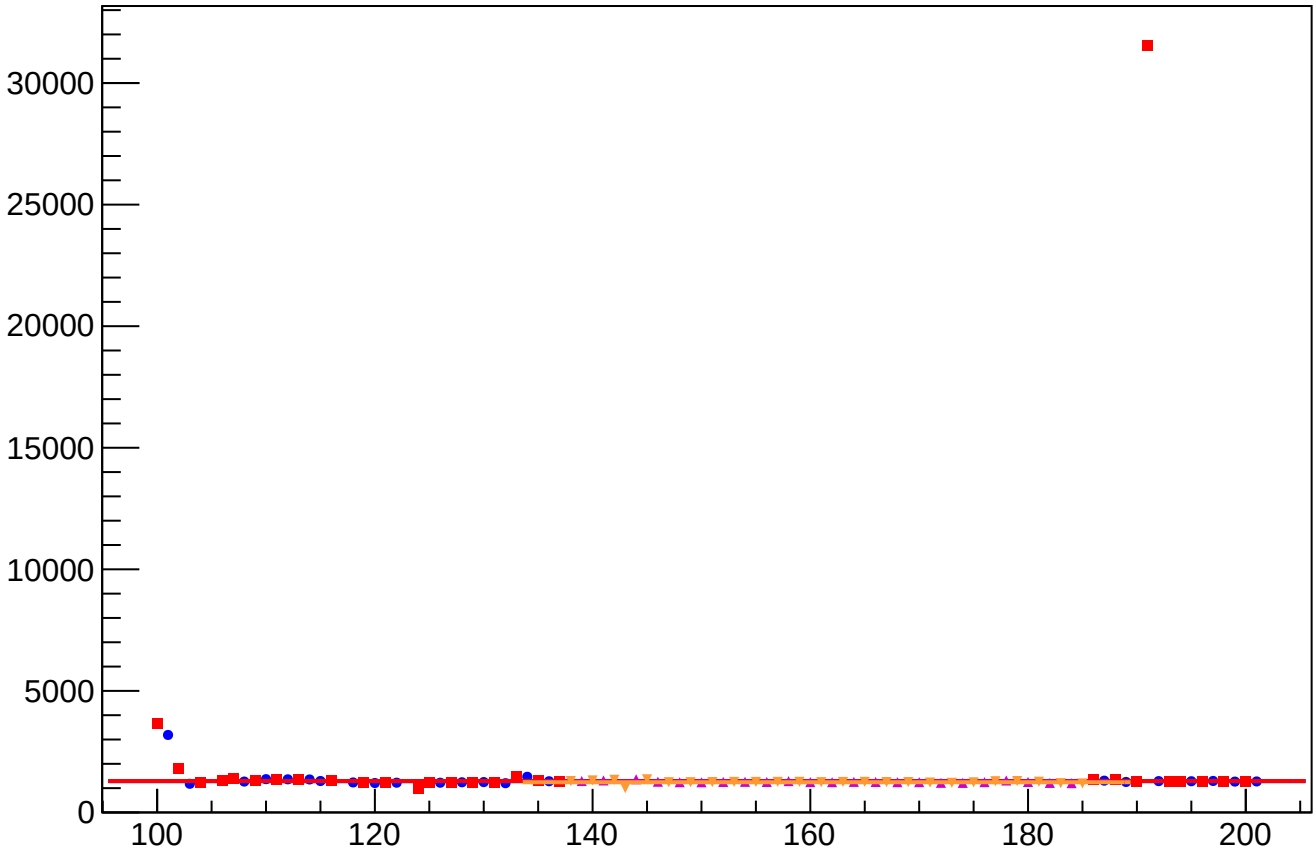
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -335.755+/-257.135 χ^2/NDF: 37.2/50

In: -385.868+/-230.439 χ^2/NDF:46.9/45

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -358.483+/-159.767 χ^2/NDF: 102.5/98



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: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

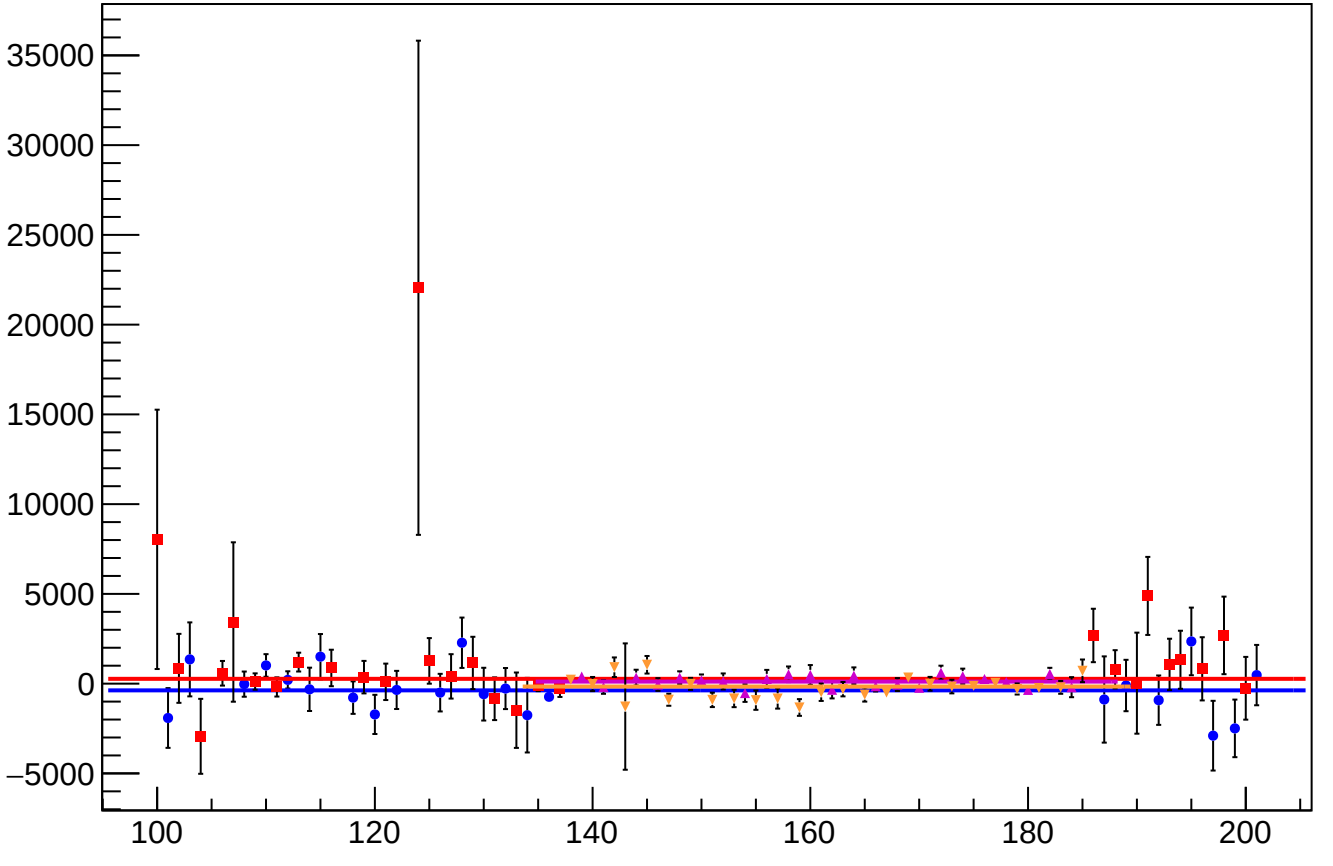
Right: 1289.369+/-0.182 χ^2/NDF: 883649.0/50

In: 1270.563+/-0.163 χ^2/NDF:545467.5/45

Out: 1261.373+/-0.157 χ^2/NDF:525576.3/52

All: 1265.790+/-0.113 χ^2/NDF: 1072695.6/98

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: 268.182+/-161.913 χ^2/NDF: 25.9/27

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

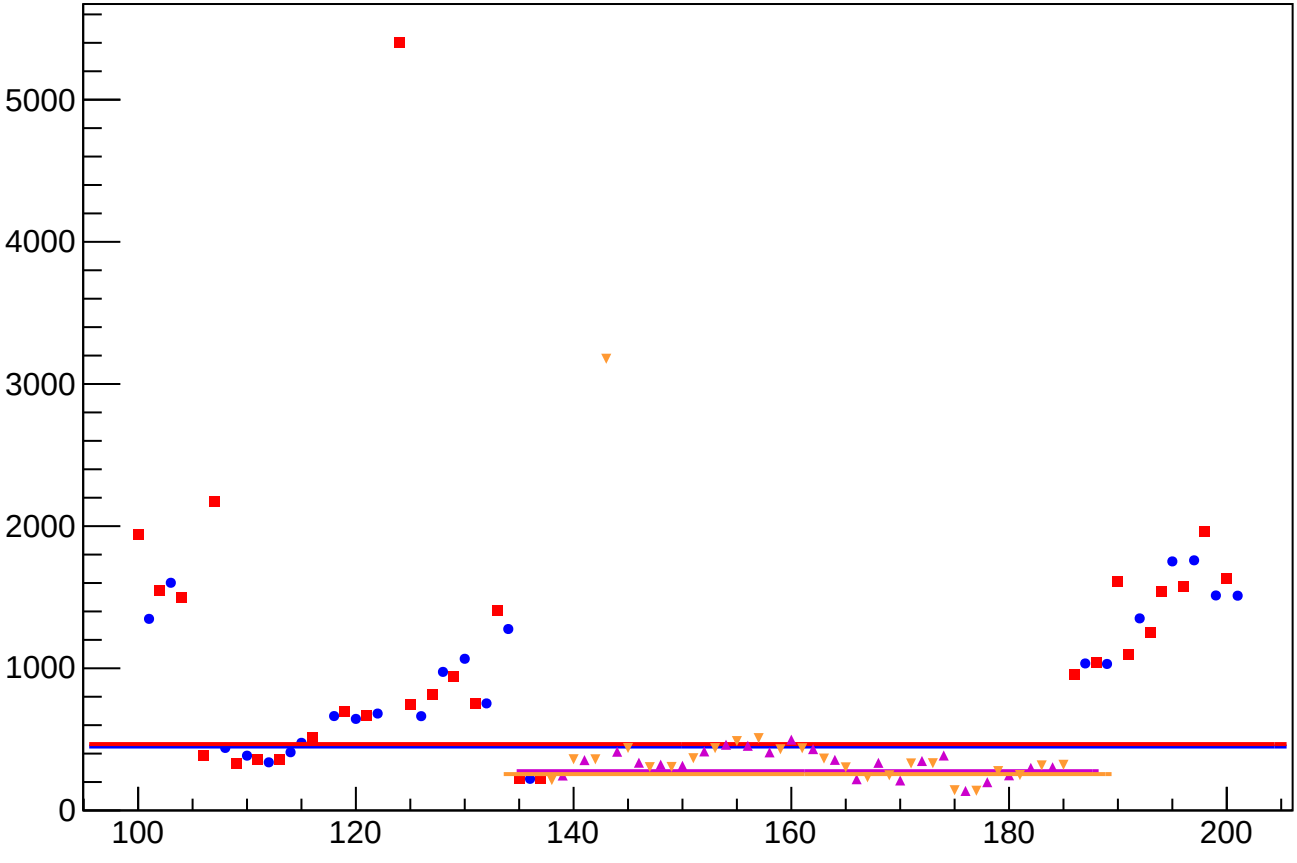
Right: -48.689+/-115.287 χ^2/NDF: 58.1/50

In: 40.723+/-63.486 χ^2/NDF:50.2/45

Out: -102.736+/-59.626 χ^2/NDF:75.7/52

All: -35.501+/-43.463 χ^2/NDF: 128.6/98

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: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

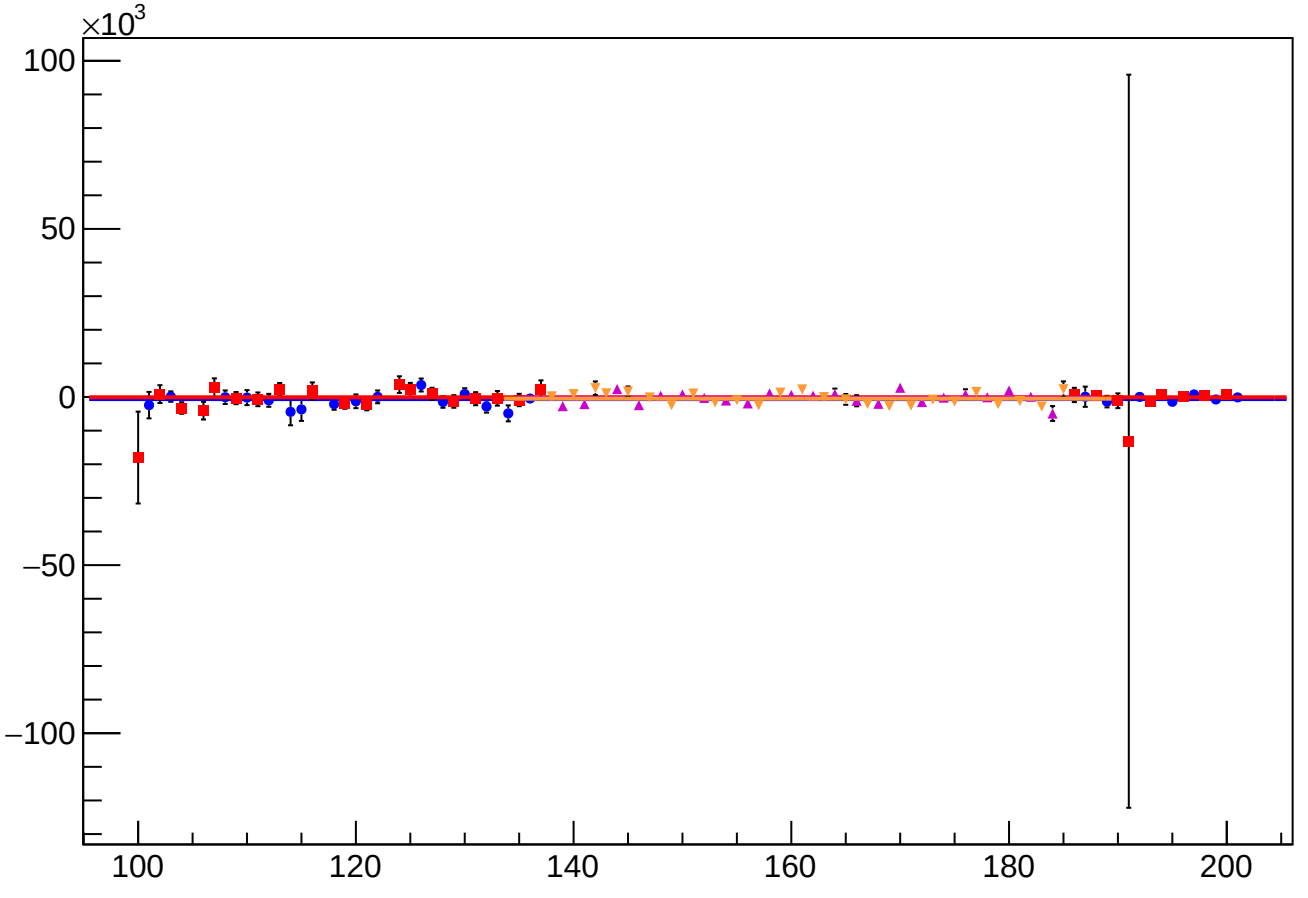
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 458.418+/-0.082 χ^2/NDF: 19954202.6/50

In: 302.214+/-0.045 χ^2/NDF:15410853.1/45

Out: 284.408+/-0.042 χ^2/NDF:19770330.2/52

All: 292.753+/-0.031 χ^2/NDF: 35264776.8/98



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: -77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

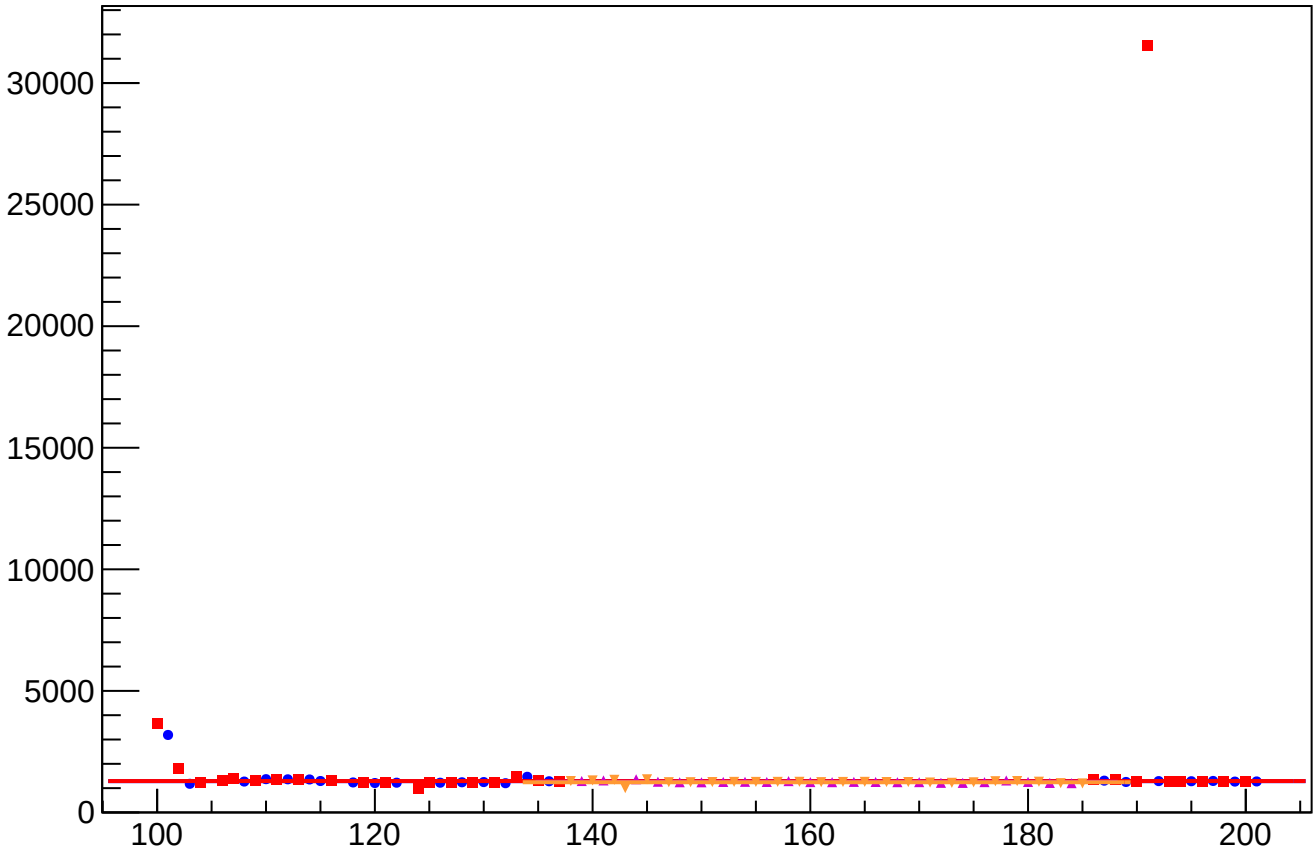
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -335.756+/-257.135 χ^2/NDF: 37.2/50

In: -385.869+/-230.439 χ^2/NDF:46.9/45

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -358.483+/-159.767 χ^2/NDF: 102.5/98



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: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

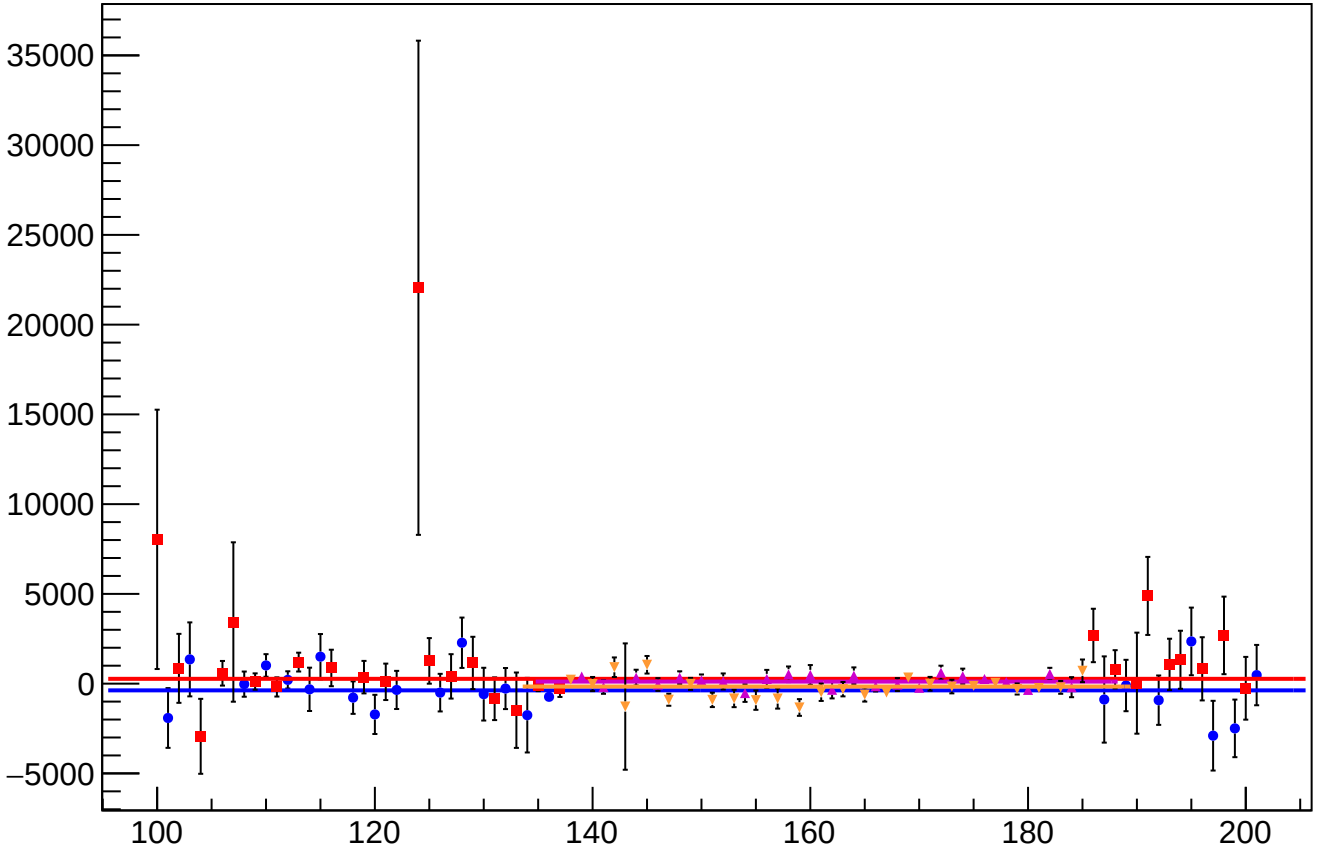
Right: 1289.369+/-0.182 χ^2/NDF: 883649.2/50

In: 1270.563+/-0.163 χ^2/NDF:545467.6/45

Out: 1261.373+/-0.157 χ^2/NDF:525575.7/52

All: 1265.790+/-0.113 χ^2/NDF: 1072695.1/98

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: 268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

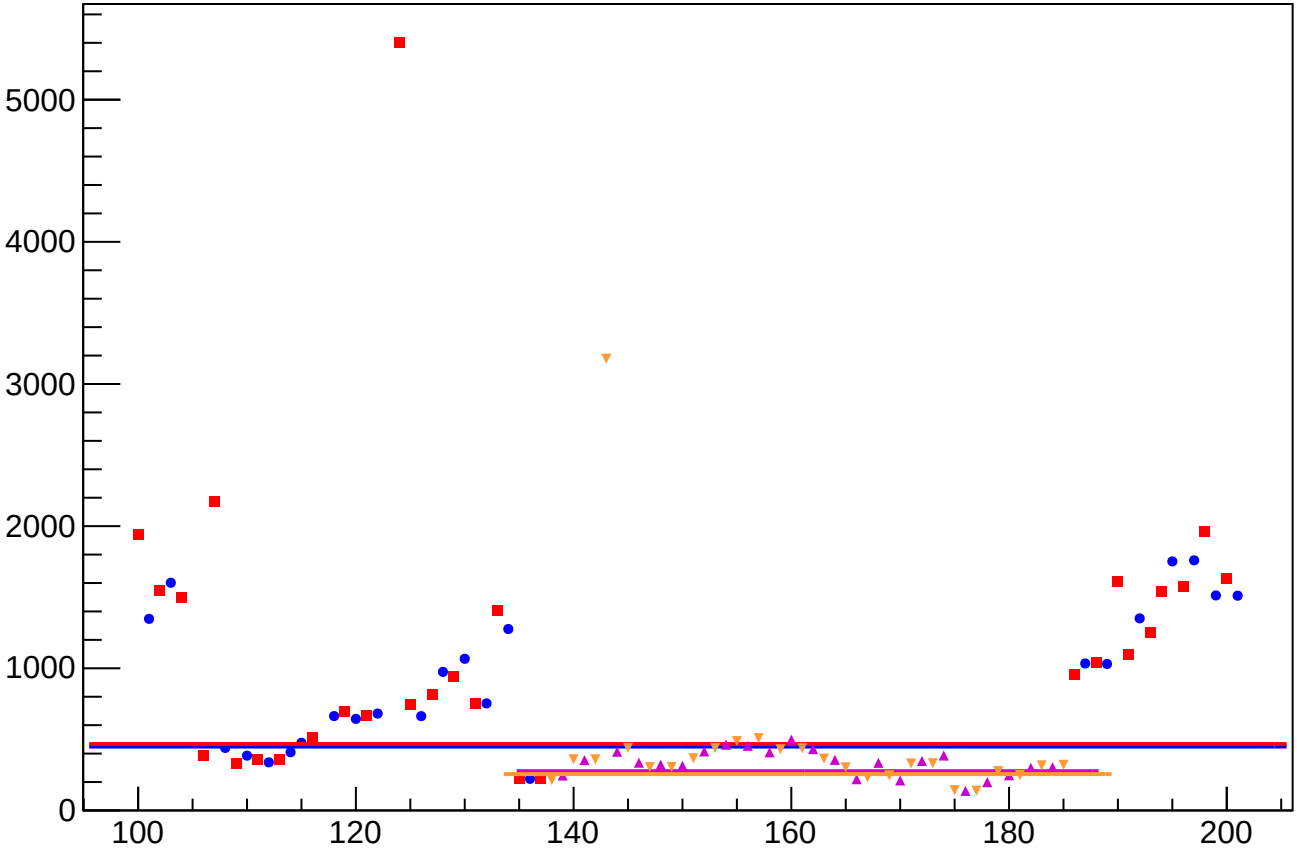
Right: -48.685+/-115.289 χ^2/NDF: 58.1/50

In: 40.724+/-63.487 χ^2/NDF:50.2/45

Out: -102.739+/-59.626 χ^2/NDF:75.7/52

All: -35.502+/-43.463 χ^2/NDF: 128.6/98

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: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

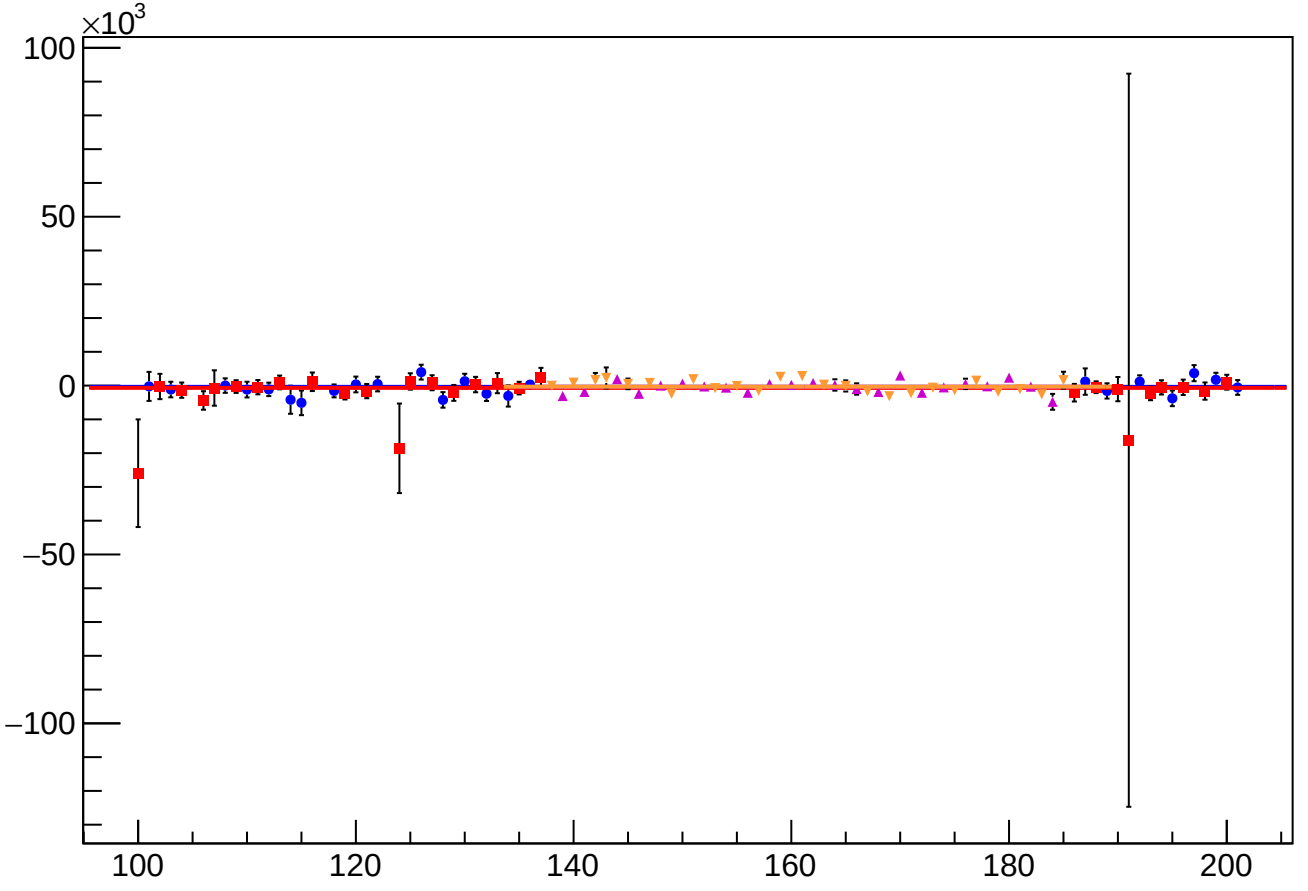
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 458.429+/-0.082 χ^2/NDF: 19953680.2/50

In: 302.215+/-0.045 χ^2/NDF:15410720.5/45

Out: 284.410+/-0.042 χ^2/NDF:19770146.0/52

All: 292.755+/-0.031 χ^2/NDF: 35264455.1/98



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: -668.451+/-461.866 χ^2/NDF: 13.1/27

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

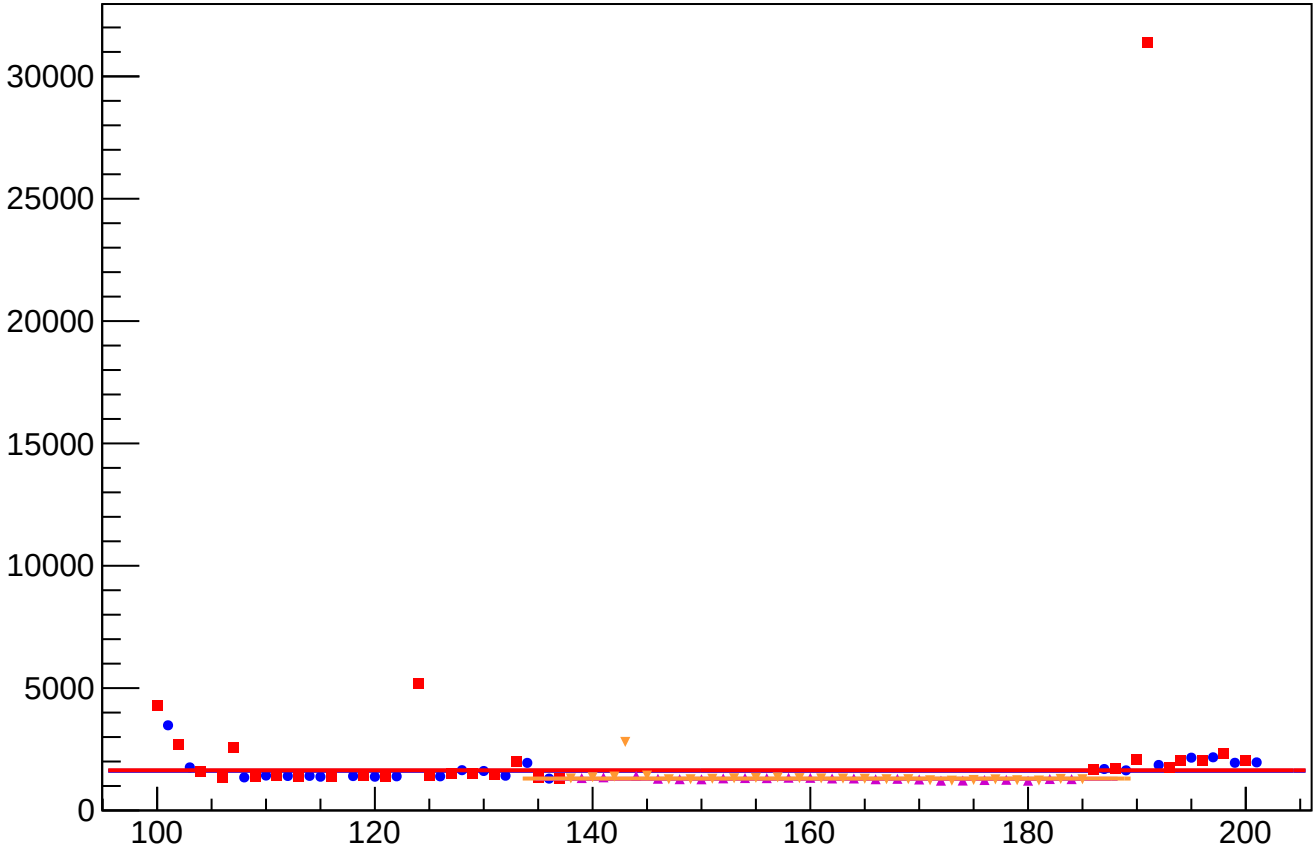
Right: -525.185+/-330.085 χ^2/NDF: 33.2/50

In: -361.971+/-254.314 χ^2/NDF:49.6/45

Out: -422.372+/-250.563 χ^2/NDF:45.0/52

All: -392.620+/-178.486 χ^2/NDF: 94.6/98

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



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: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

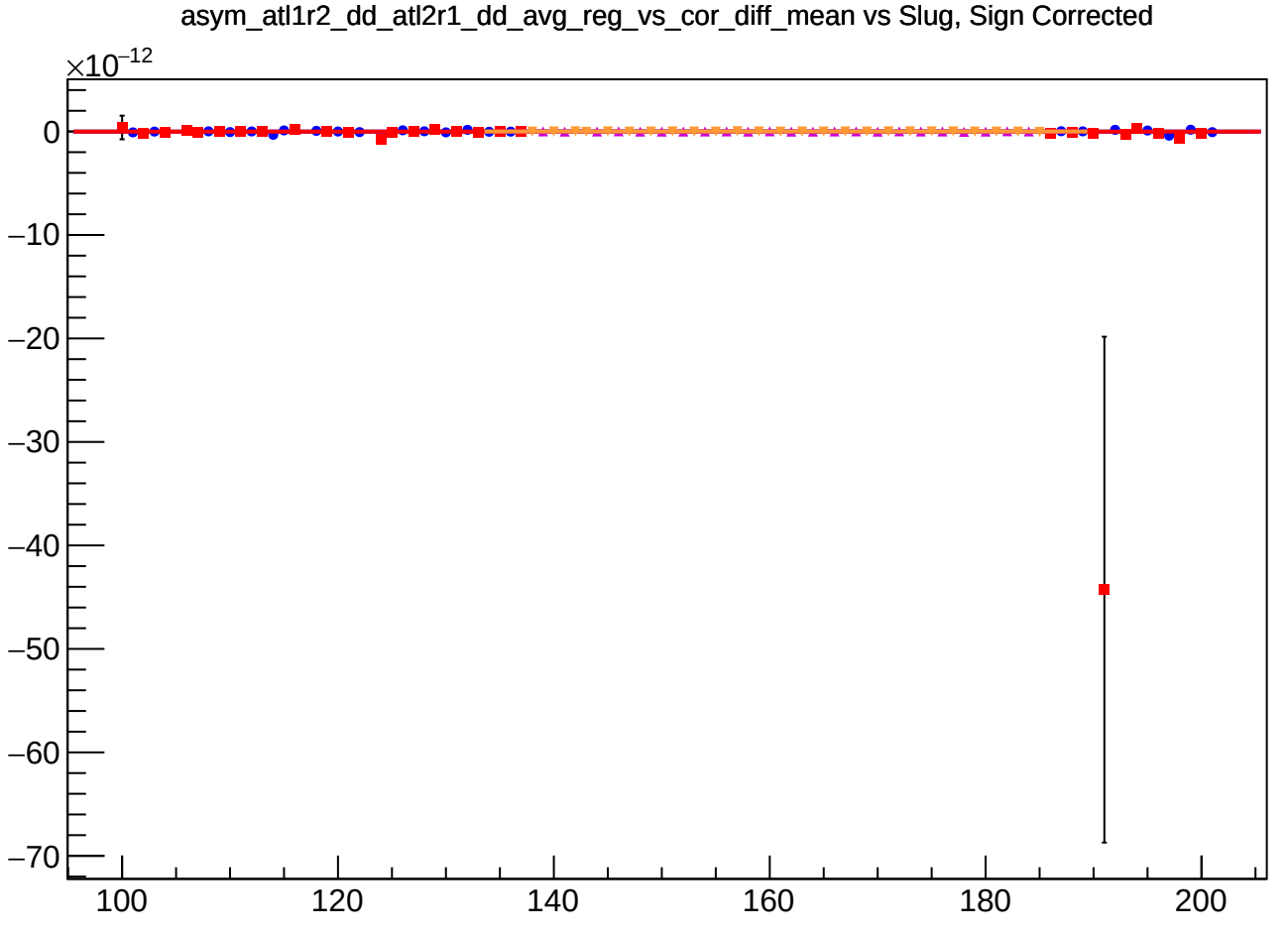
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1631.215+/-0.233 χ^2/NDF: 2347449.9/50

In: 1387.355+/-0.180 χ^2/NDF:1780748.7/45

Out: 1403.562+/-0.177 χ^2/NDF:2572499.3/52

All: 1395.579+/-0.126 χ^2/NDF: 4357369.5/98



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: 35.8/27

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: 51.6/50

In: -0.000+/-0.000 χ^2/NDF:47.7/45

Out: -0.000+/-0.000 χ^2/NDF:62.9/52

All: -0.000+/-0.000 χ^2/NDF: 110.9/98

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected

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: 7795004.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

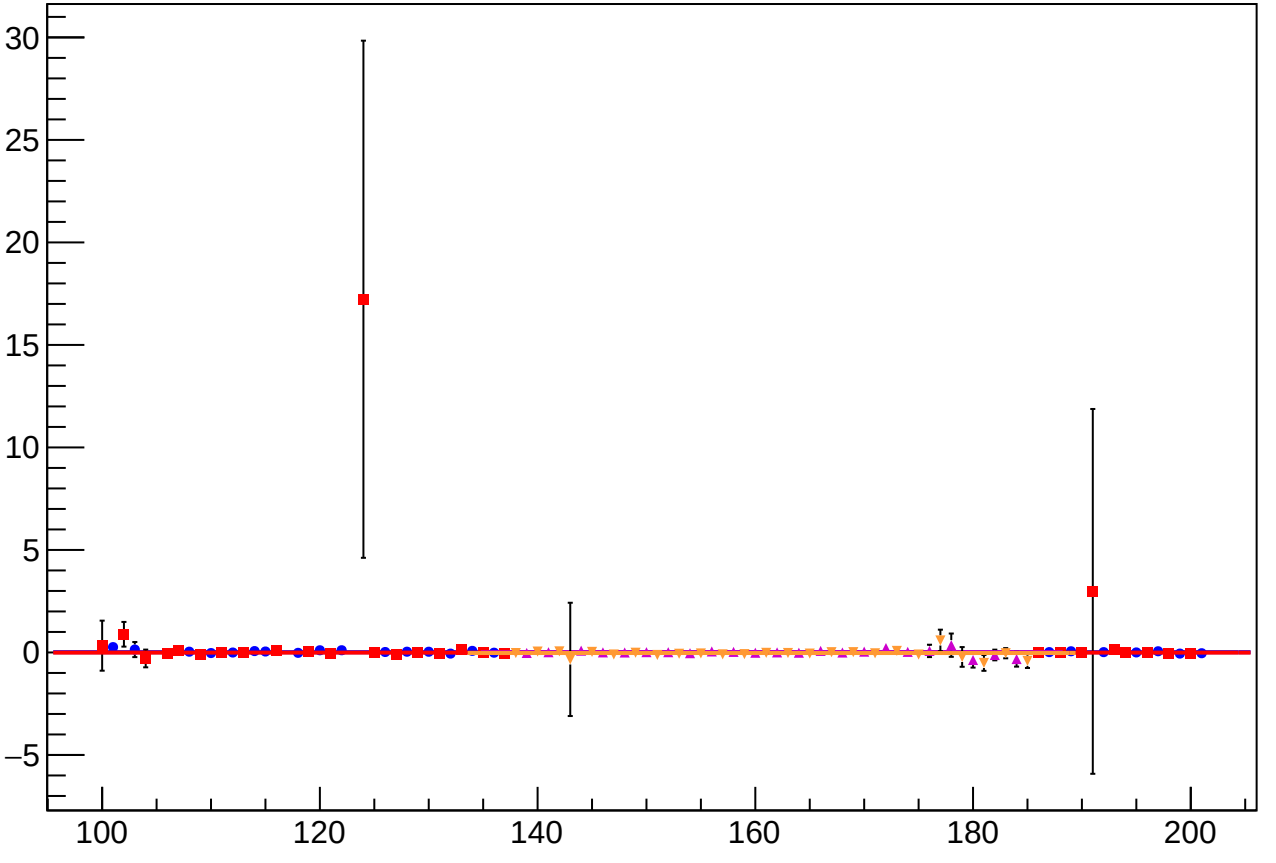
Right: 0.000+/-0.000 χ^2/NDF: 13560993.9/50

In: 0.000+/-0.000 χ^2/NDF:8322126.7/45

Out: 0.000+/-0.000 χ^2/NDF:11332367.6/52

All: 0.000+/-0.000 χ^2/NDF: 19681629.8/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

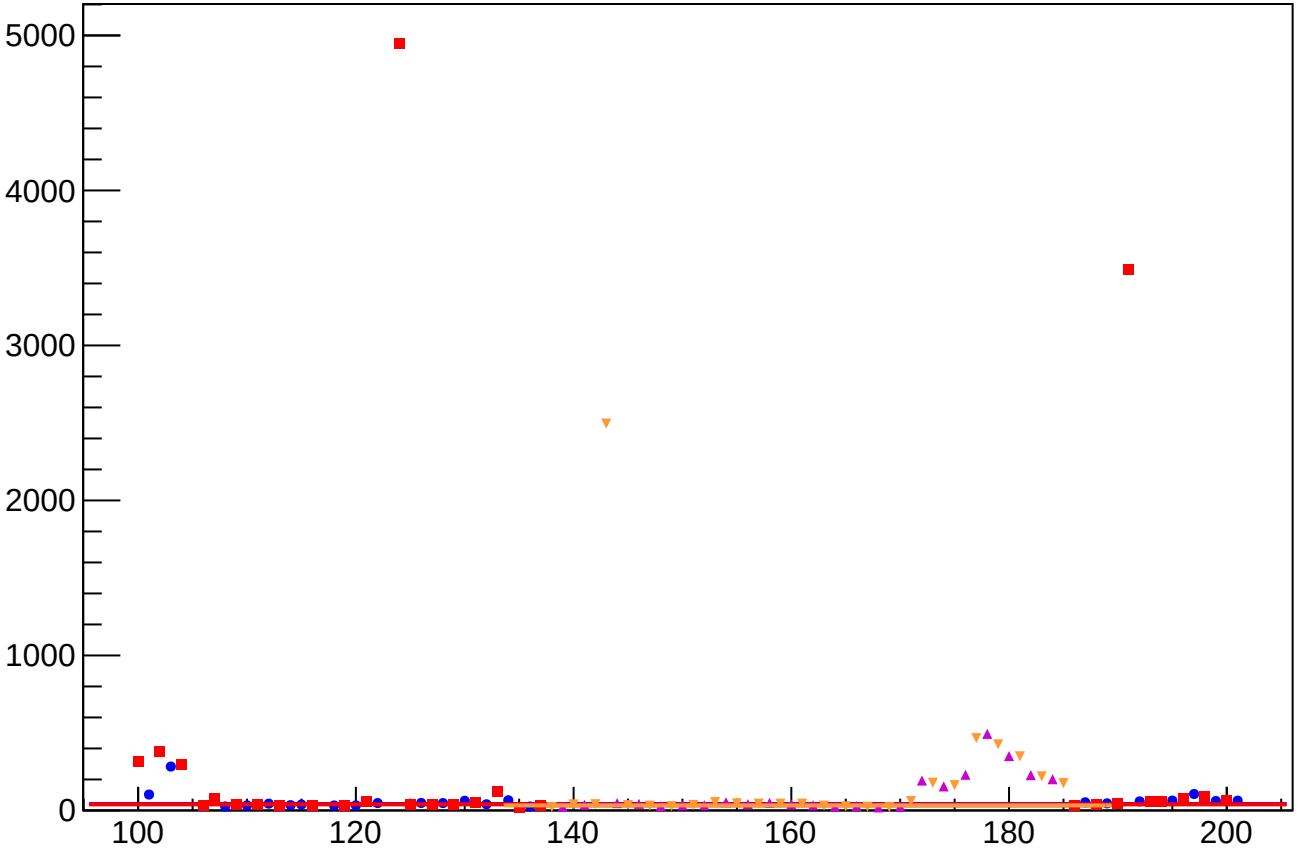
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

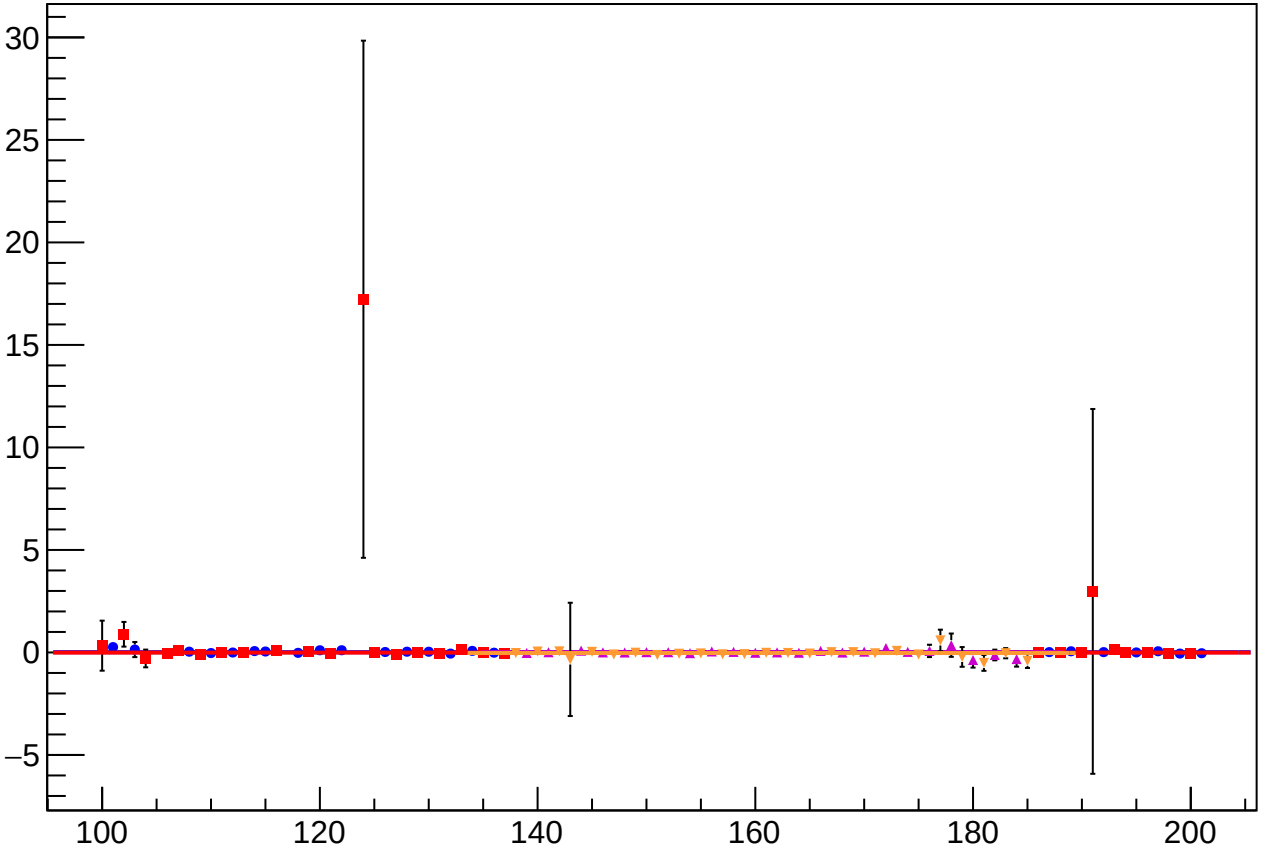
Right: 40.284+/-0.007 χ^2/NDF: 8789423.2/50

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

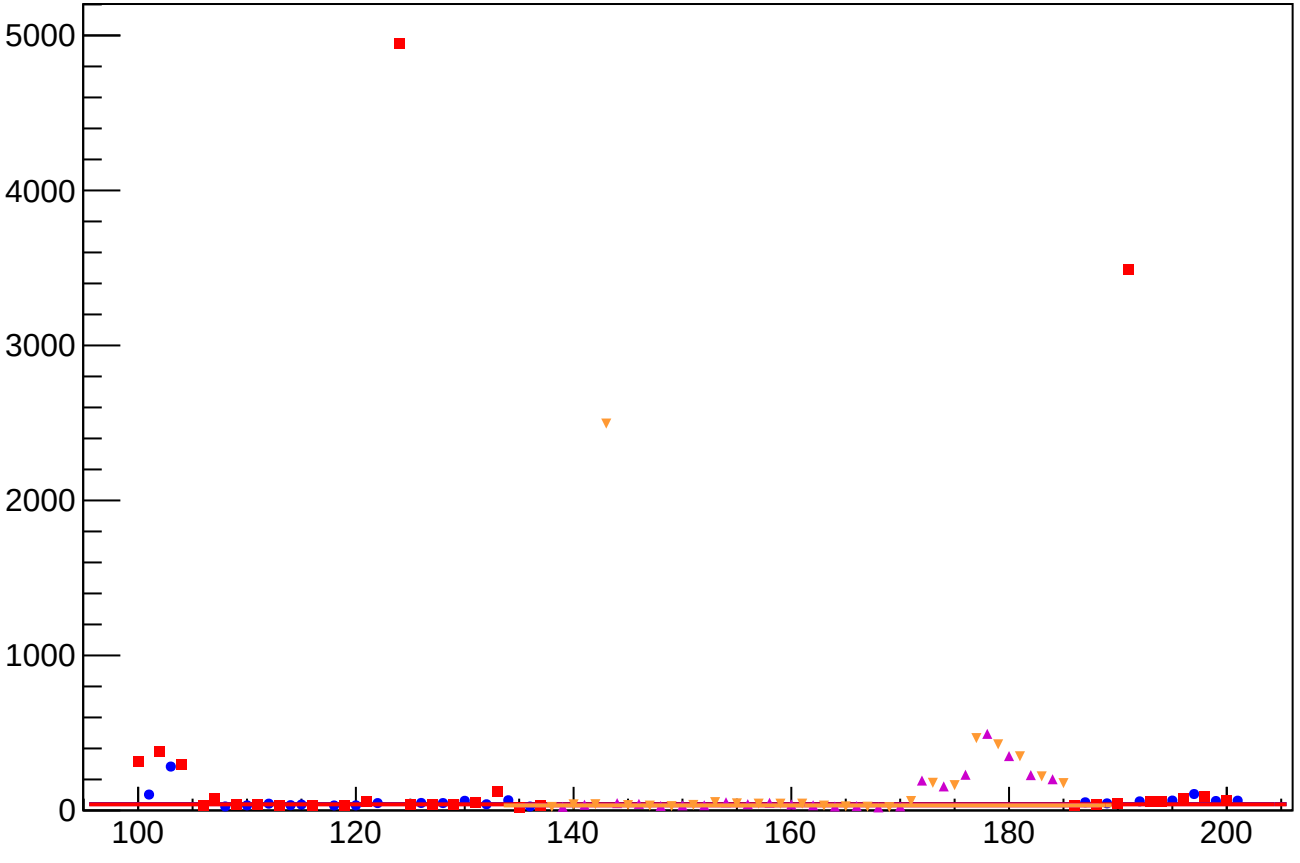
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

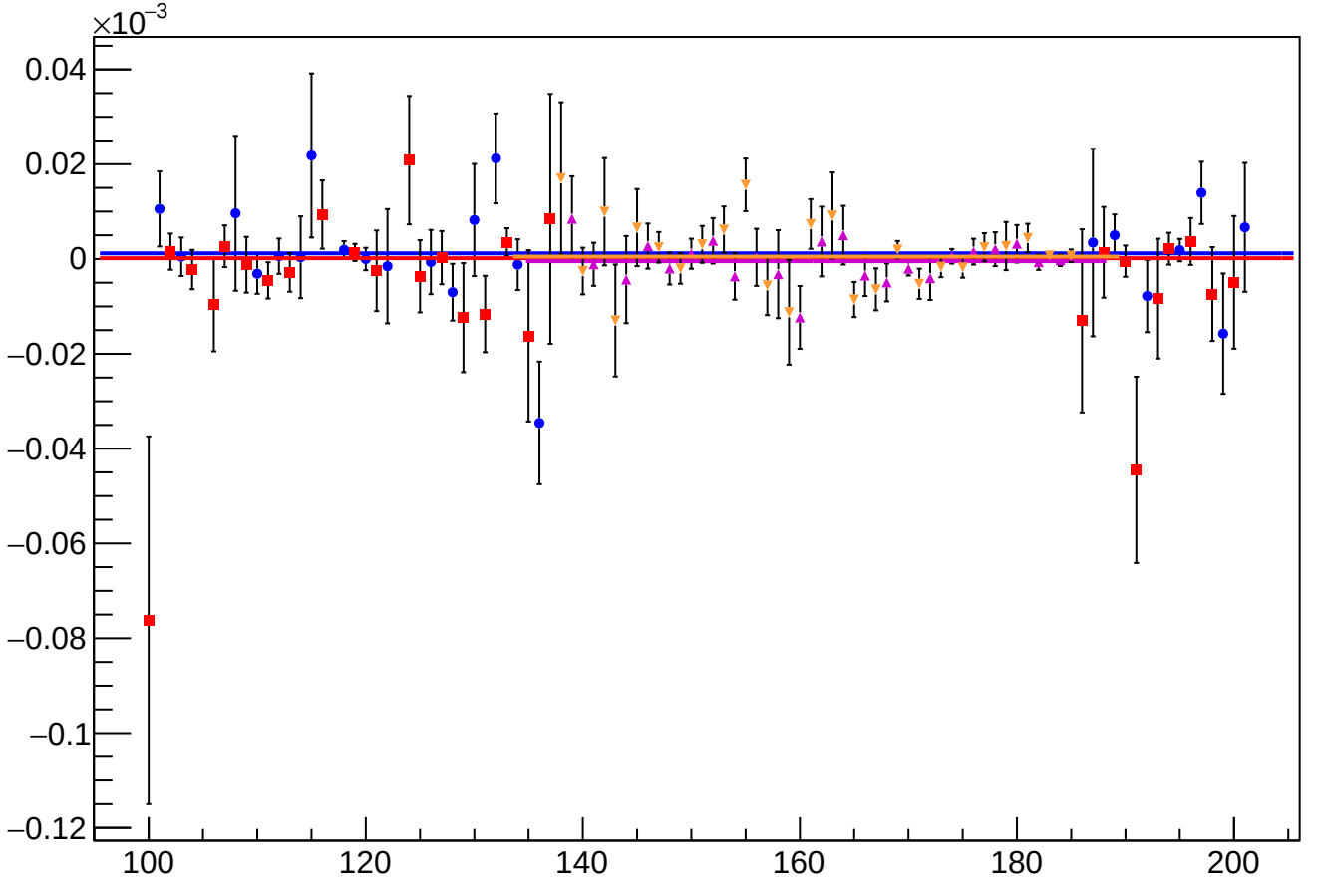
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.284+/-0.007 χ^2/NDF: 8789423.2/50

In: 35.504+/-0.006 χ^2/NDF:13304164.5/45

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98



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: 25.8/27

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

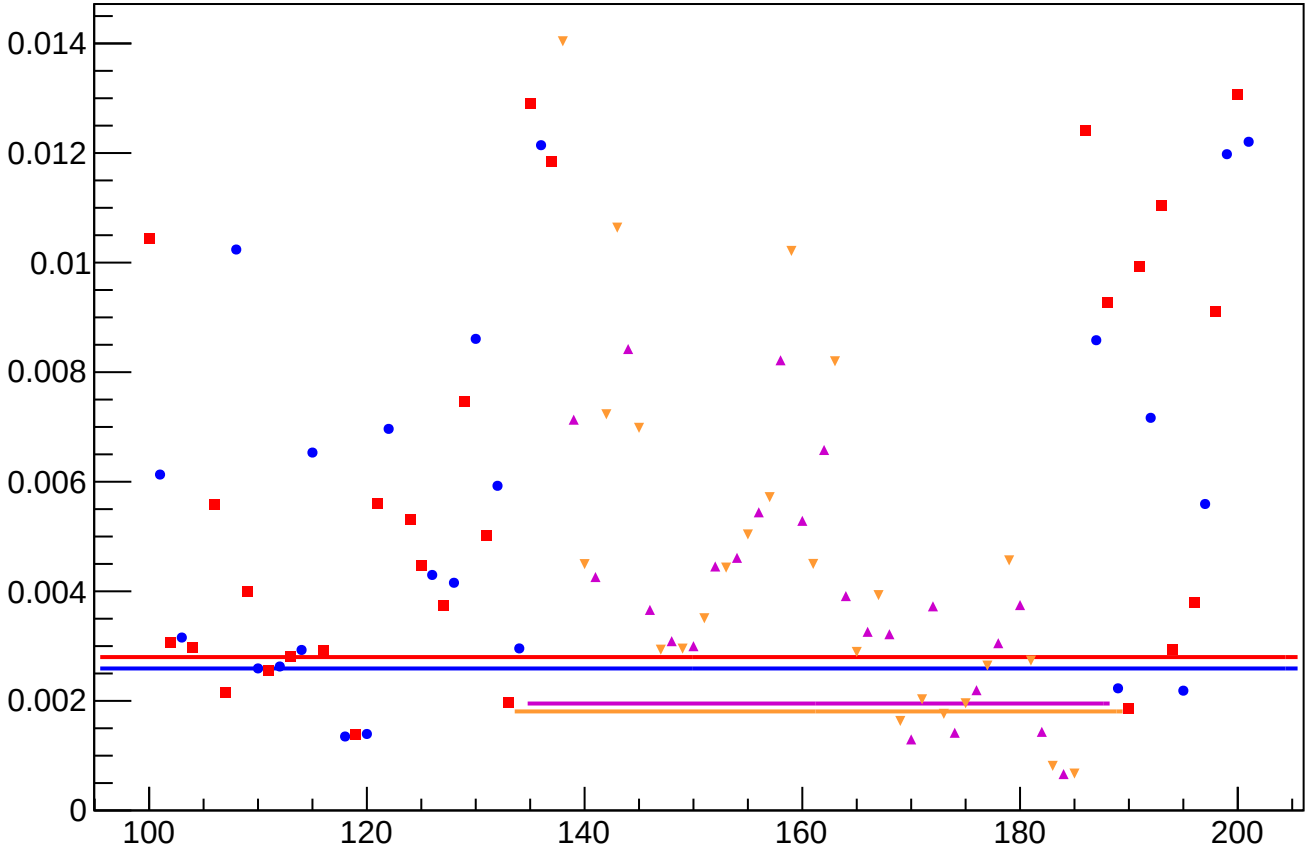
Right: 0.000+/-0.000 χ^2/NDF: 53.6/50

In: -0.000+/-0.000 χ^2/NDF:43.1/45

Out: 0.000+/-0.000 χ^2/NDF:61.6/52

All: 0.000+/-0.000 χ^2/NDF: 105.1/98

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8199659.4/27

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

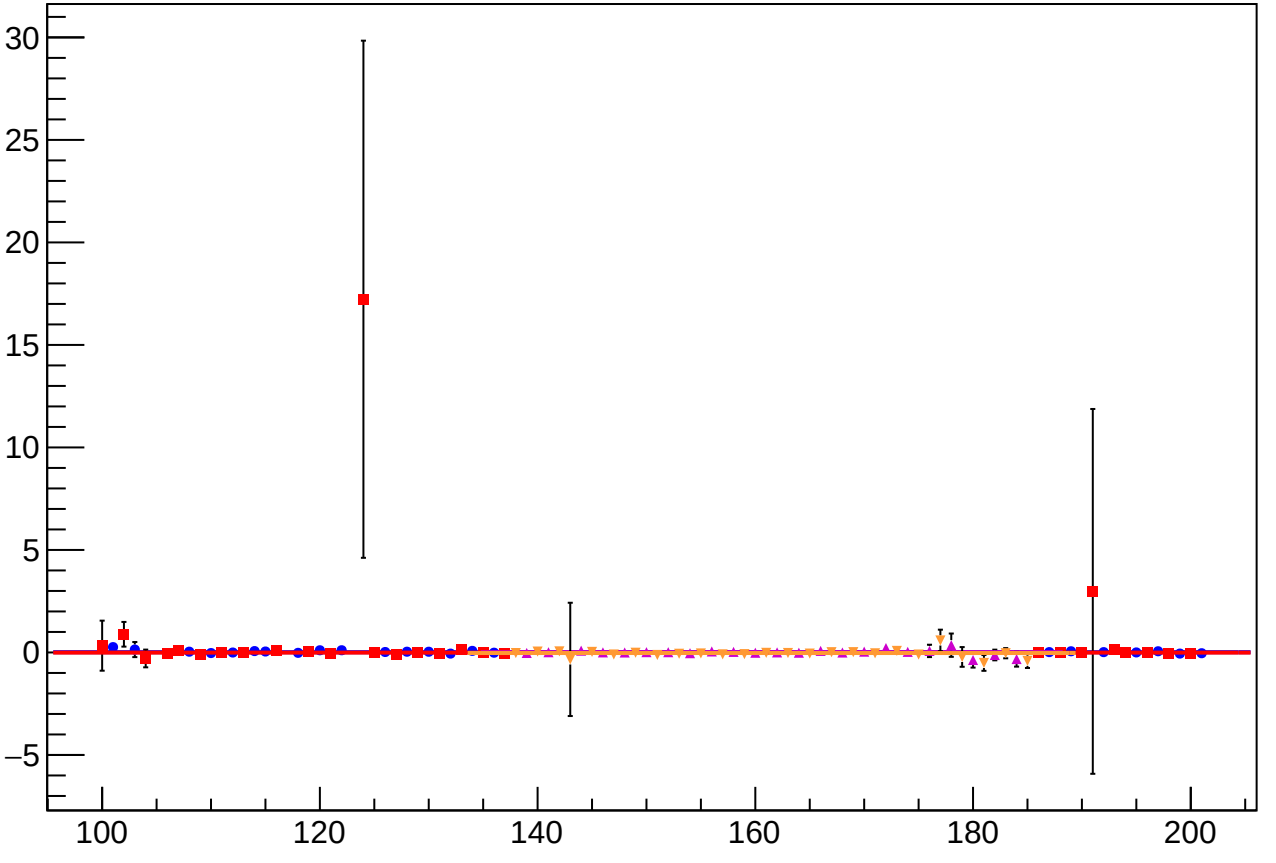
Right: 0.003+/-0.000 χ^2/NDF: 16540510.7/50

In: 0.002+/-0.000 χ^2/NDF:20424434.1/45

Out: 0.002+/-0.000 χ^2/NDF:24817116.0/52

All: 0.002+/-0.000 χ^2/NDF: 45261350.9/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

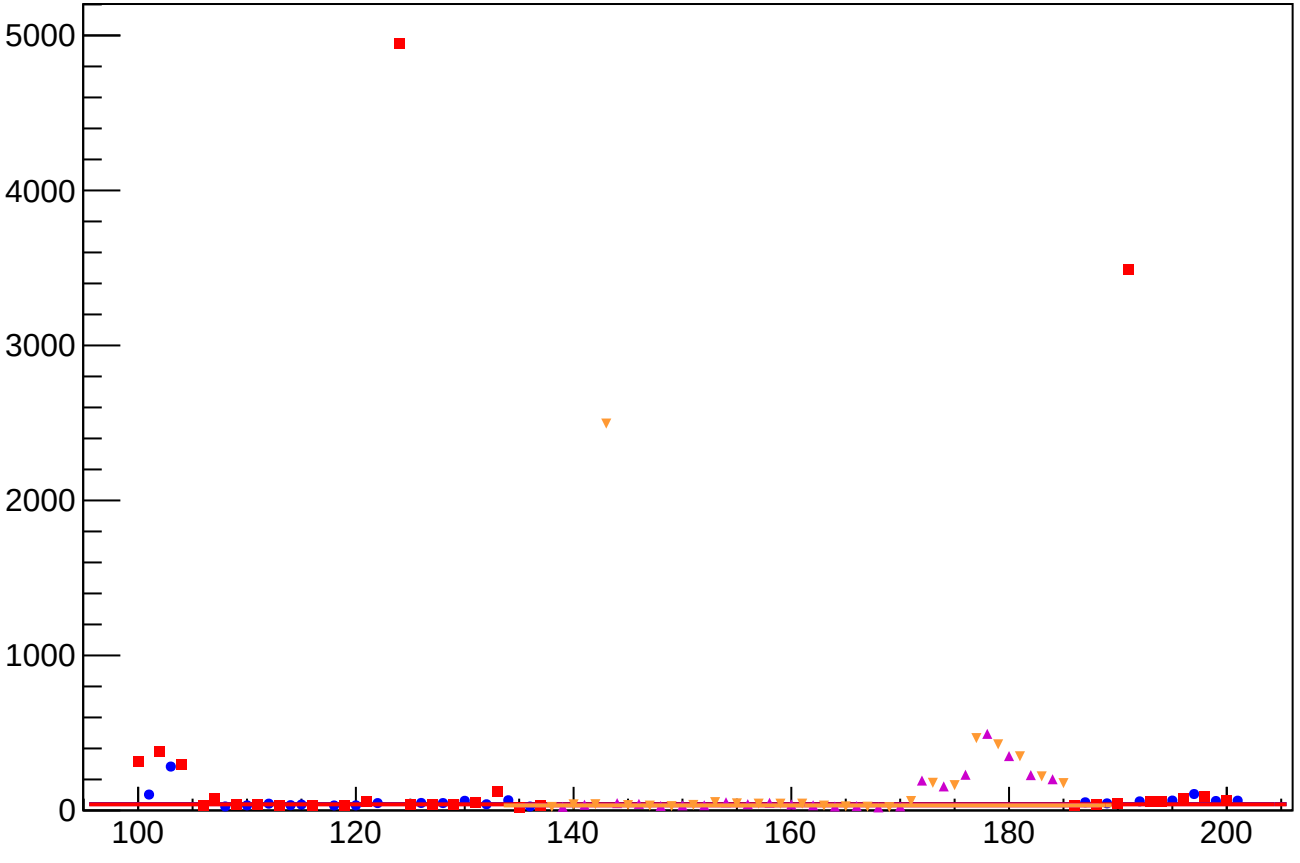
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

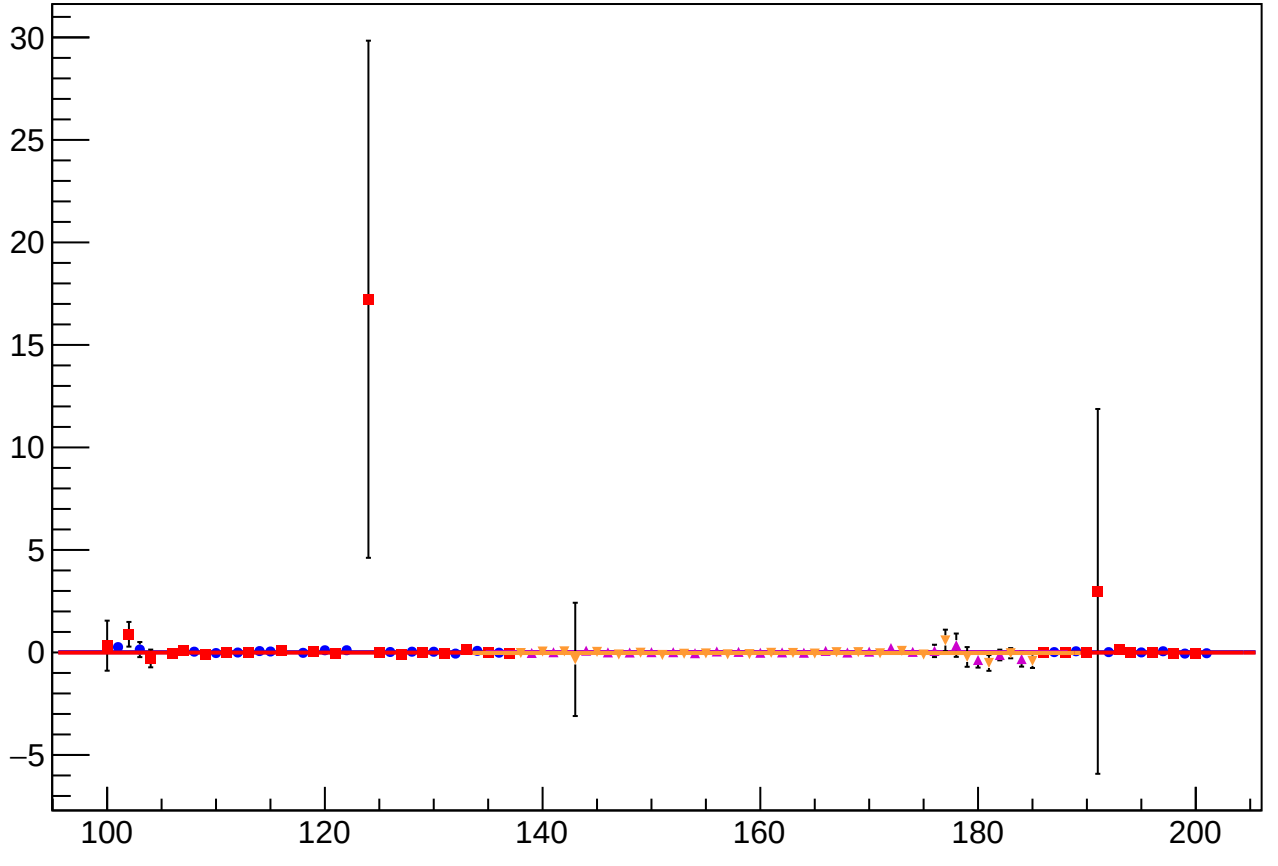
Right: 40.285+/-0.007 χ^2/NDF: 8788783.8/50

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

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: -0.007+/-0.013 χ^2/NDF: 20.7/27

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

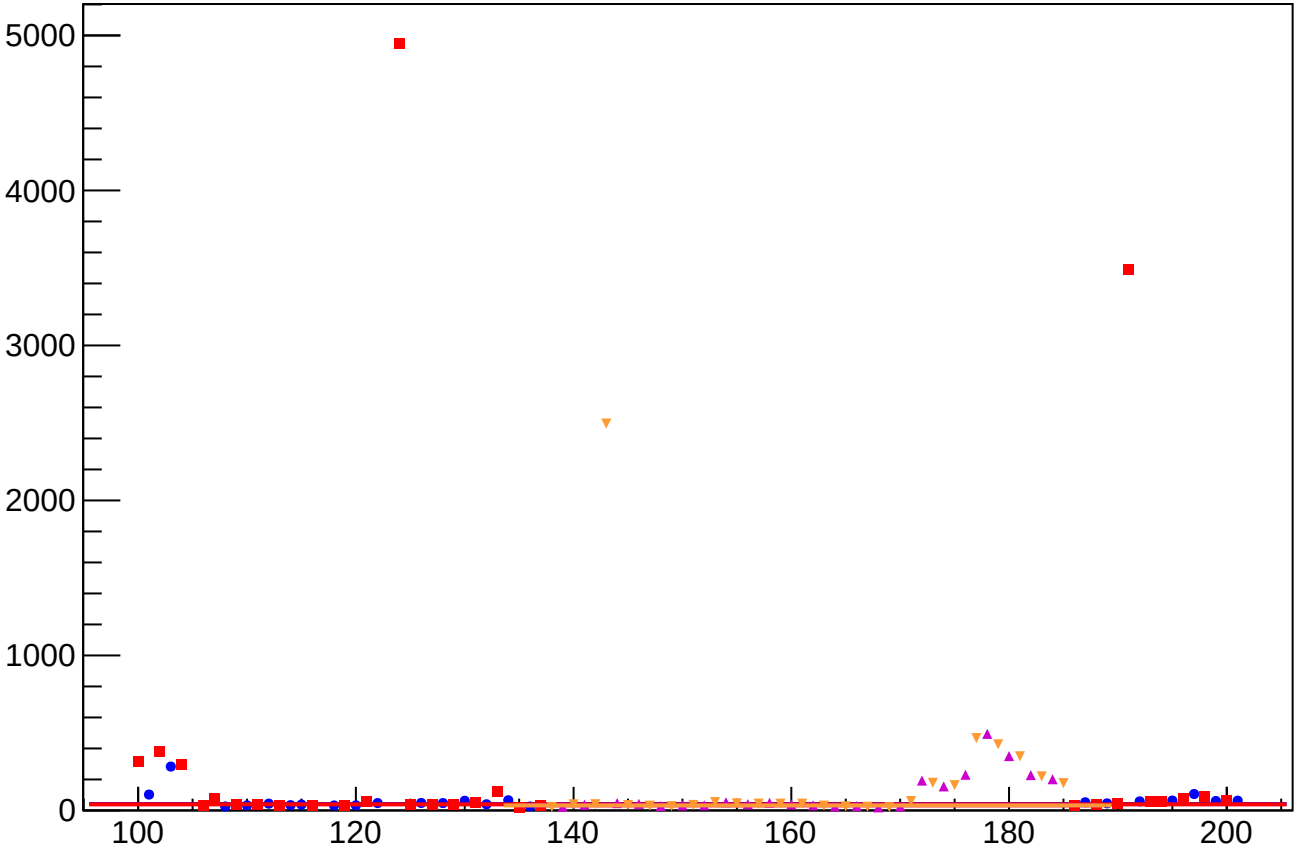
Right: 0.002+/-0.009 χ^2/NDF: 35.5/50

In: 0.012+/-0.008 χ^2/NDF:26.8/45

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 86.0/98

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: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

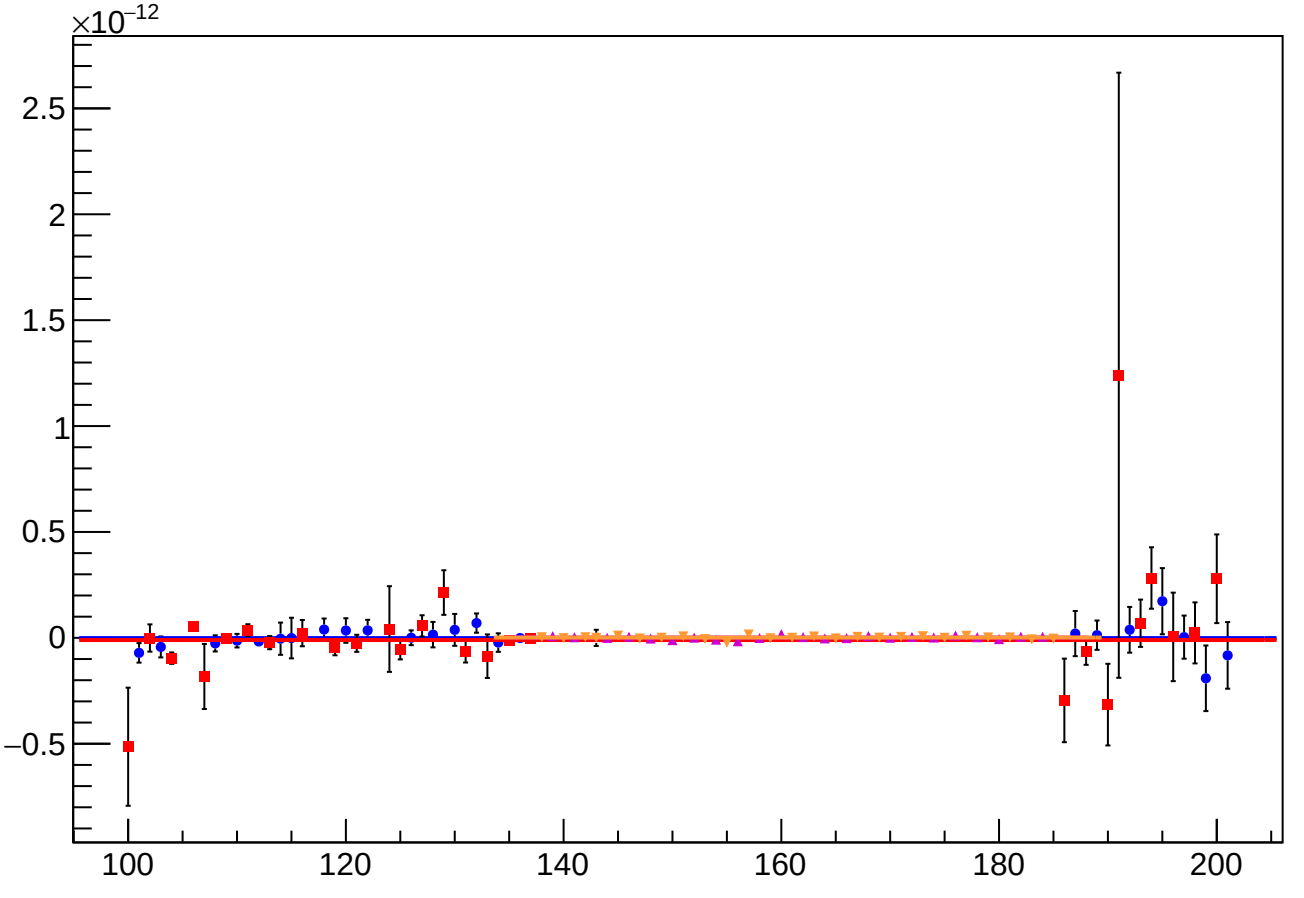
Right: 40.285+/-0.007 χ^2/NDF: 8788783.8/50

In: 35.503+/-0.006 χ^2/NDF:13304677.1/45

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

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: 52.4/27

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

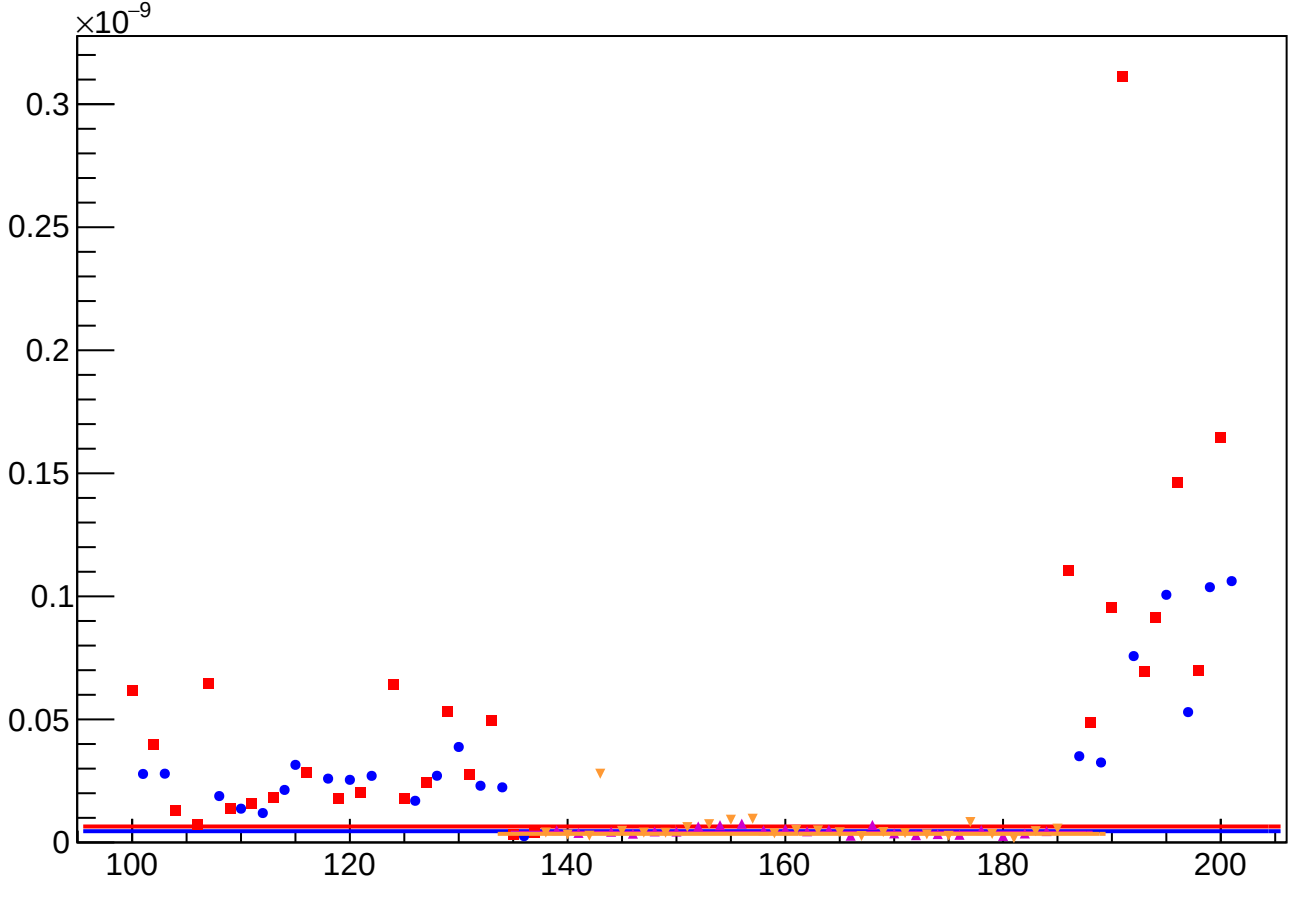
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 67.1/50

In: 0.000+/-0.000 χ^2/NDF:41.0/45

Out: 0.000+/-0.000 χ^2/NDF:78.1/52

All: 0.000+/-0.000 χ^2/NDF: 119.1/98



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: 10571256.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

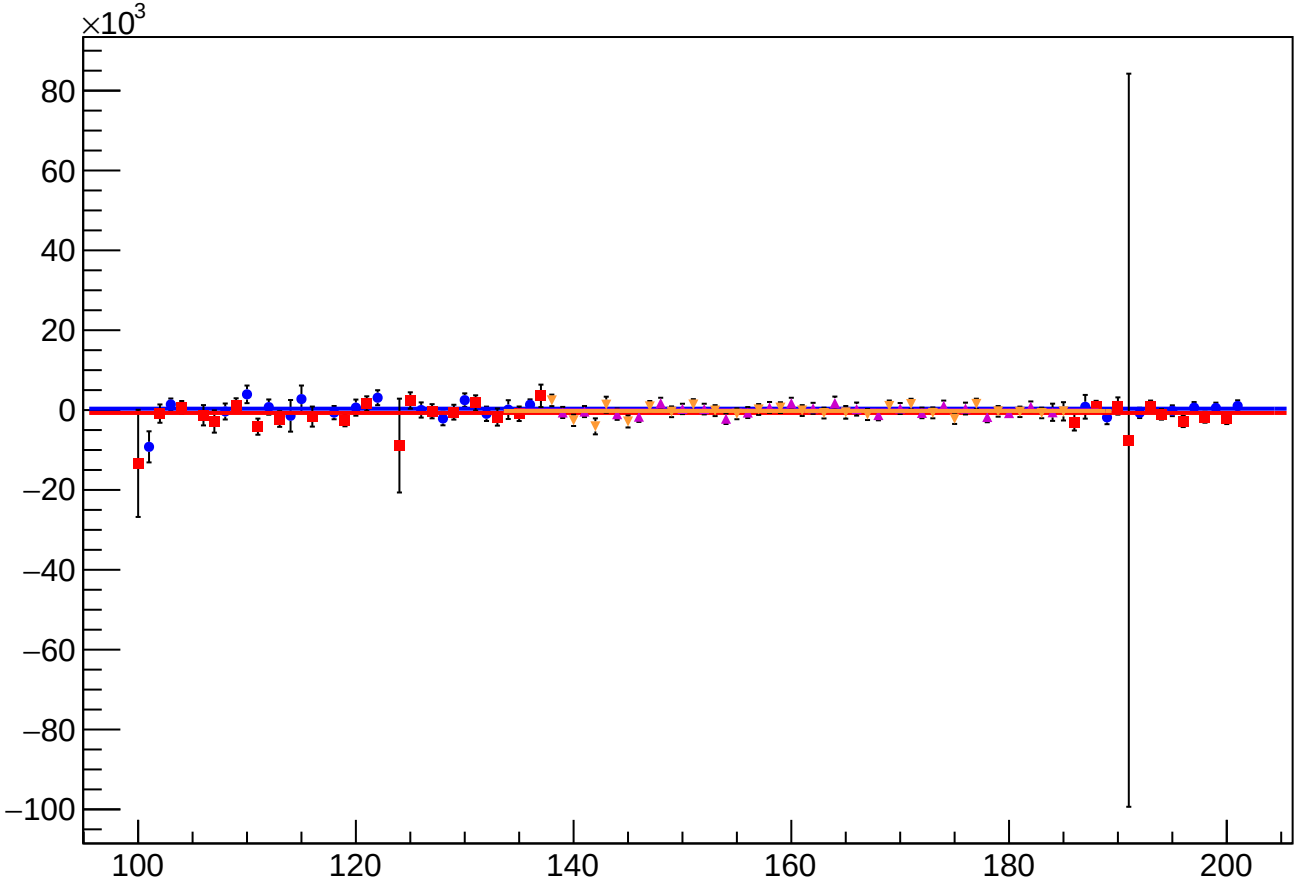
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 20148875.2/50

In: 0.000+/-0.000 χ^2/NDF:11452639.0/45

Out: 0.000+/-0.000 χ^2/NDF:16232161.7/52

All: 0.000+/-0.000 χ^2/NDF: 27800318.9/98



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: -721.763+/-354.369 χ^2/NDF: 26.0/27

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

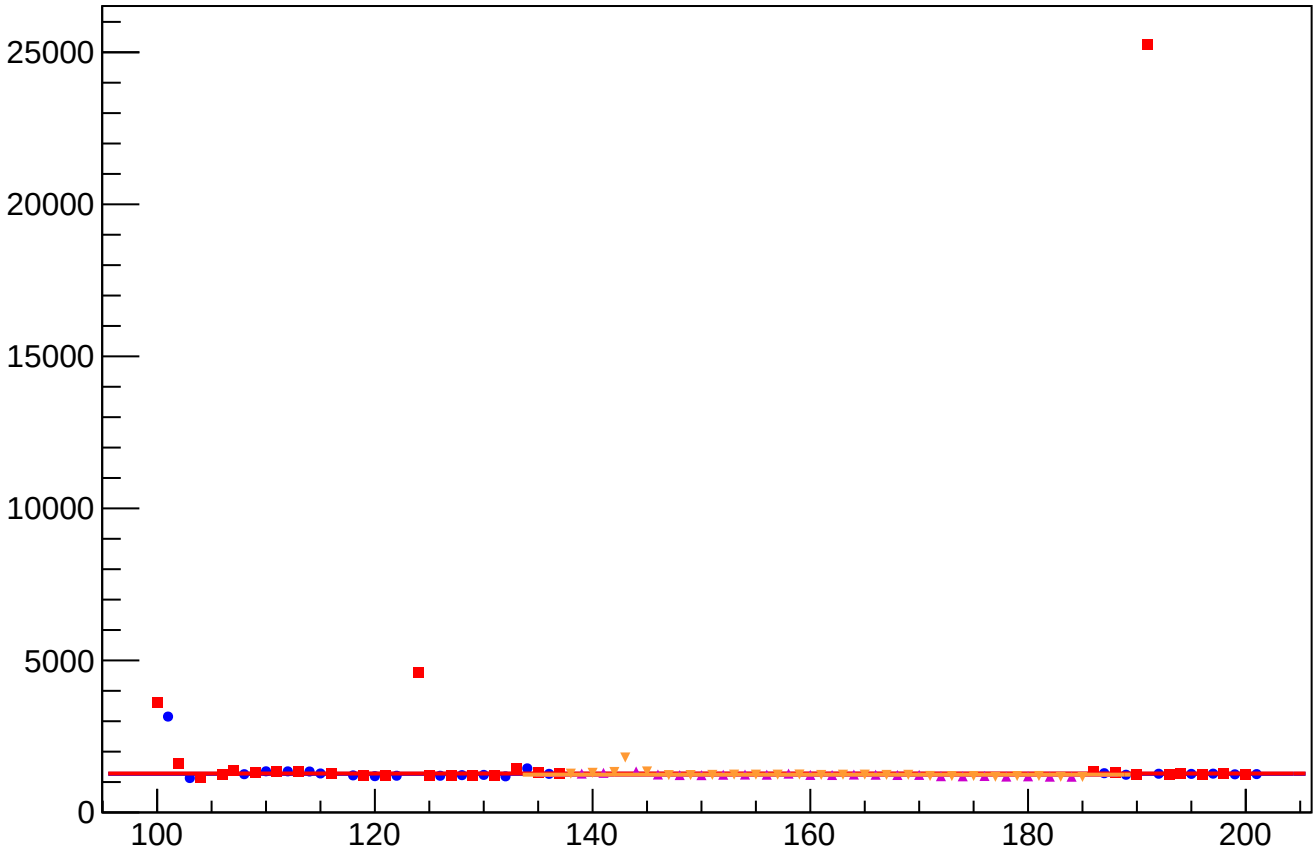
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -202.185+/-254.353 χ^2/NDF: 50.5/50

In: 77.312+/-226.270 χ^2/NDF:35.7/45

Out: -415.879+/-221.163 χ^2/NDF:51.1/52

All: -174.913+/-158.160 χ^2/NDF: 89.2/98



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: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

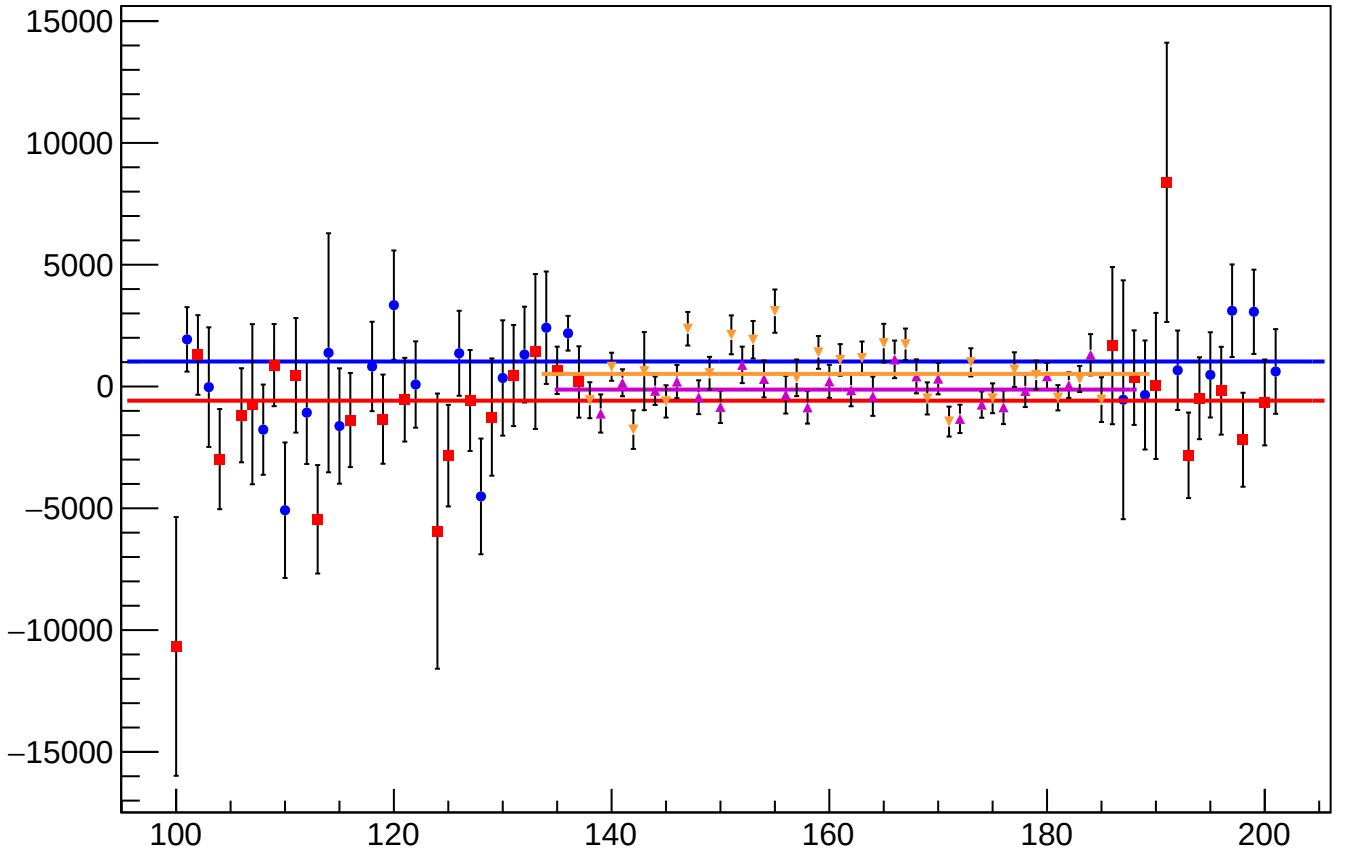
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1275.359+/-0.180 χ^2/NDF: 990674.4/50

In: 1247.376+/-0.160 χ^2/NDF:571433.5/45

Out: 1257.731+/-0.156 χ^2/NDF:686629.4/52

All: 1252.672+/-0.112 χ^2/NDF: 1260205.1/98



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: -581.728+/-371.456 χ^2/NDF: 22.8/27

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

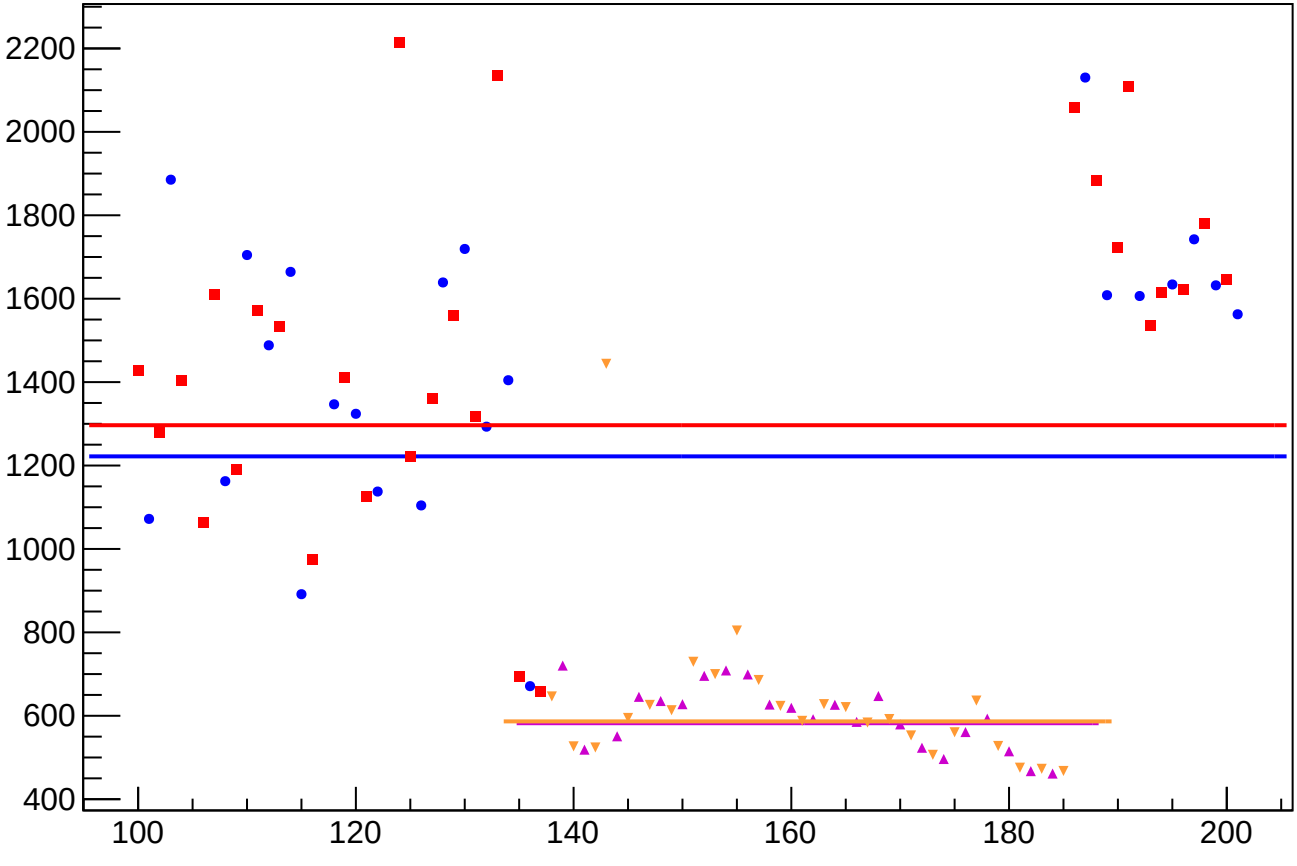
Right: 230.828+/-261.289 χ^2/NDF: 55.5/50

In: 14.547+/-128.594 χ^2/NDF:53.4/45

Out: 387.370+/-127.499 χ^2/NDF:97.5/52

All: 202.552+/-90.540 χ^2/NDF: 155.2/98

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

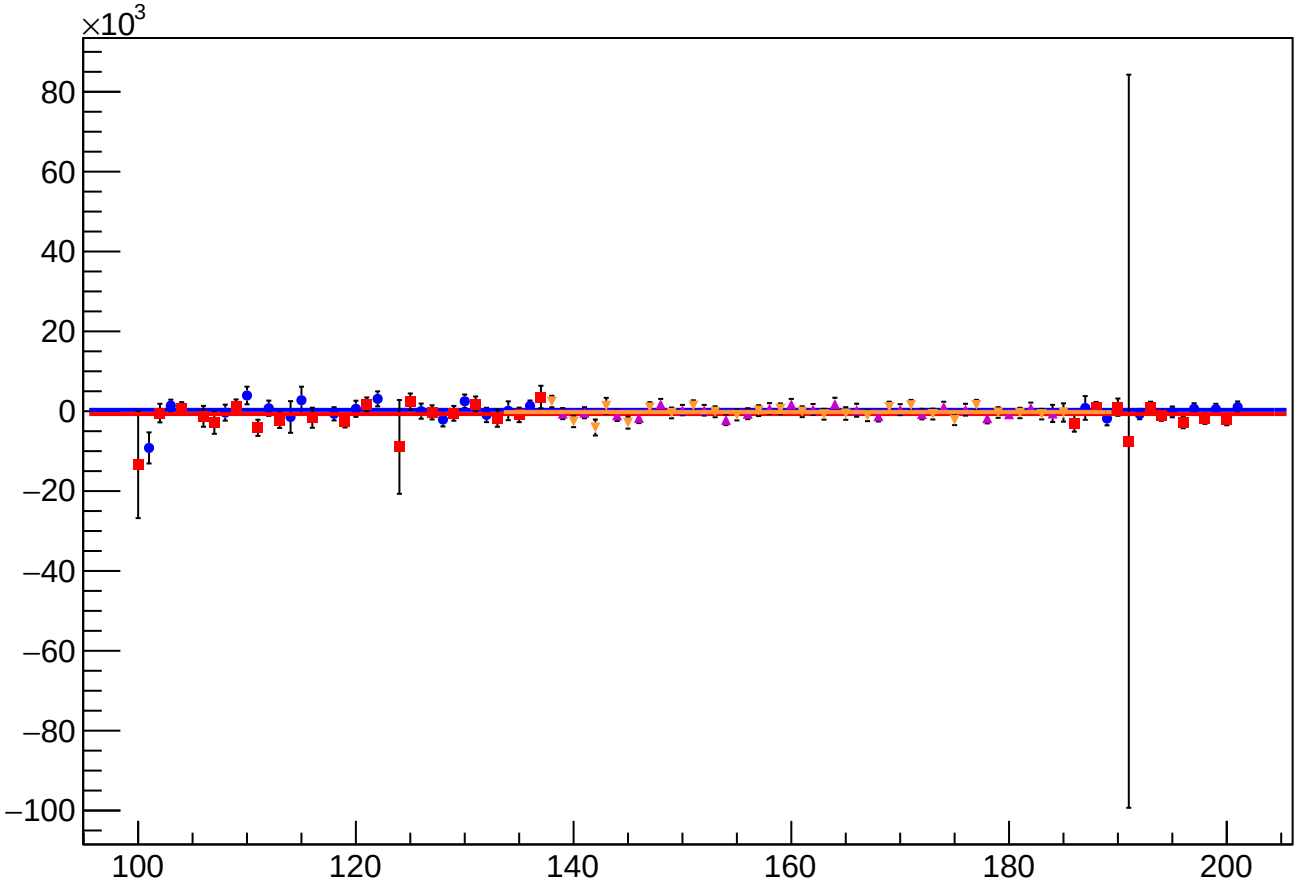
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1258.926+/-0.185 χ^2/NDF: 4754274.0/50

In: 660.478+/-0.091 χ^2/NDF:8272300.7/45

Out: 670.218+/-0.090 χ^2/NDF:9967679.8/52

All: 665.390+/-0.064 χ^2/NDF: 18245767.4/98



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: -711.006+/-354.696 χ^2/NDF: 26.0/27

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

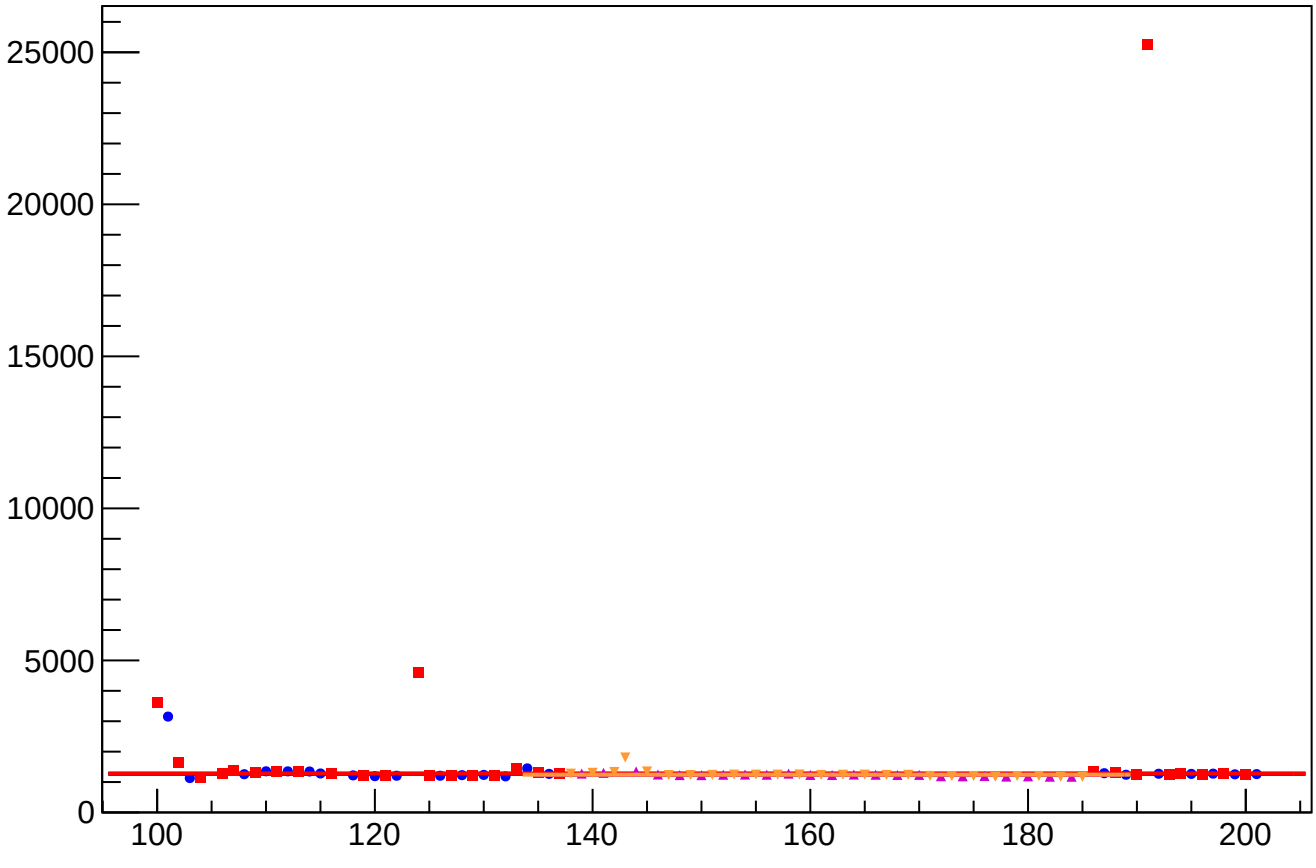
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -196.038+/-254.474 χ^2/NDF: 50.4/50

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -172.559+/-158.189 χ^2/NDF: 89.1/98



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: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

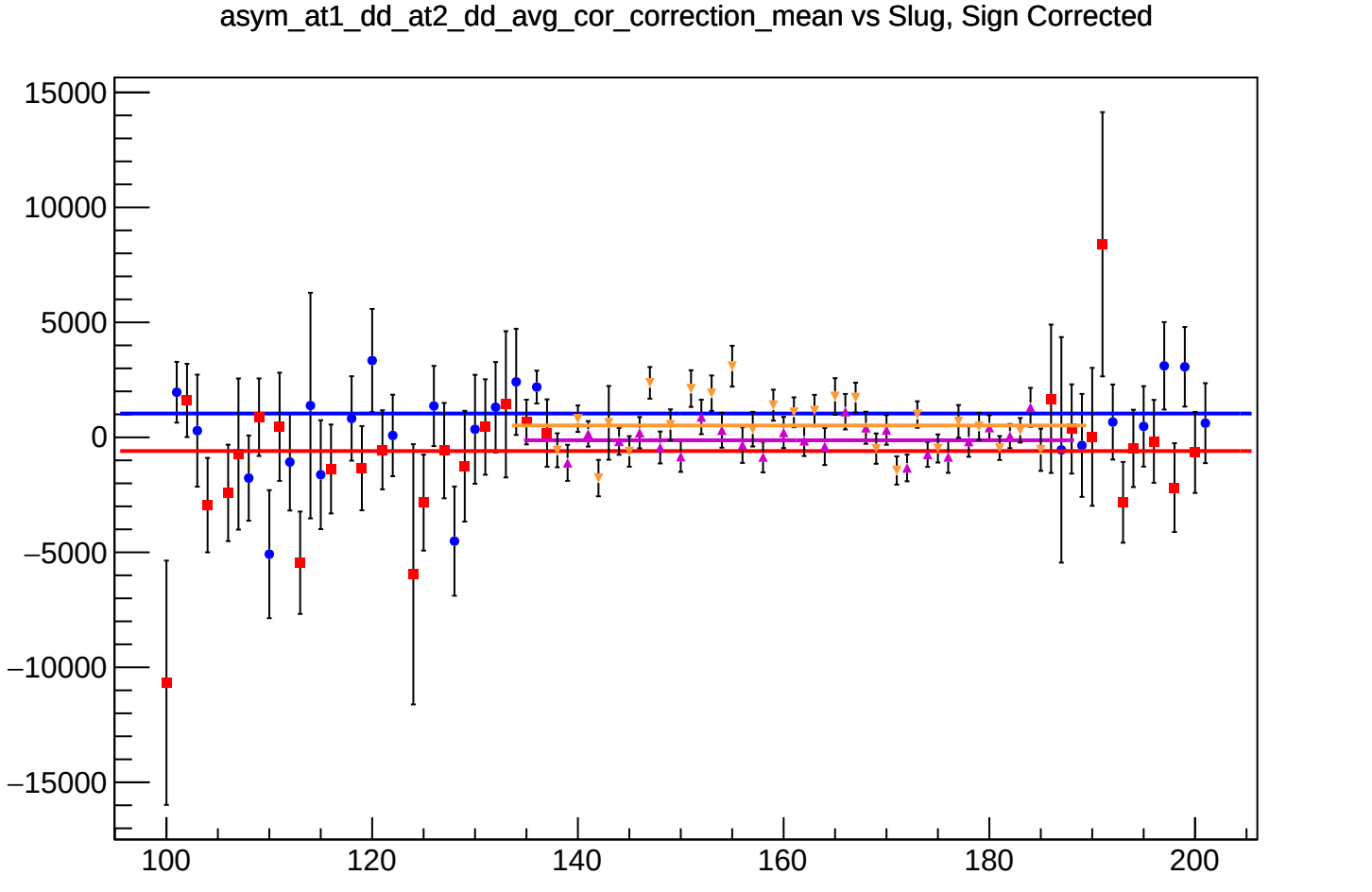
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1275.992+/-0.180 χ^2/NDF: 997640.5/50

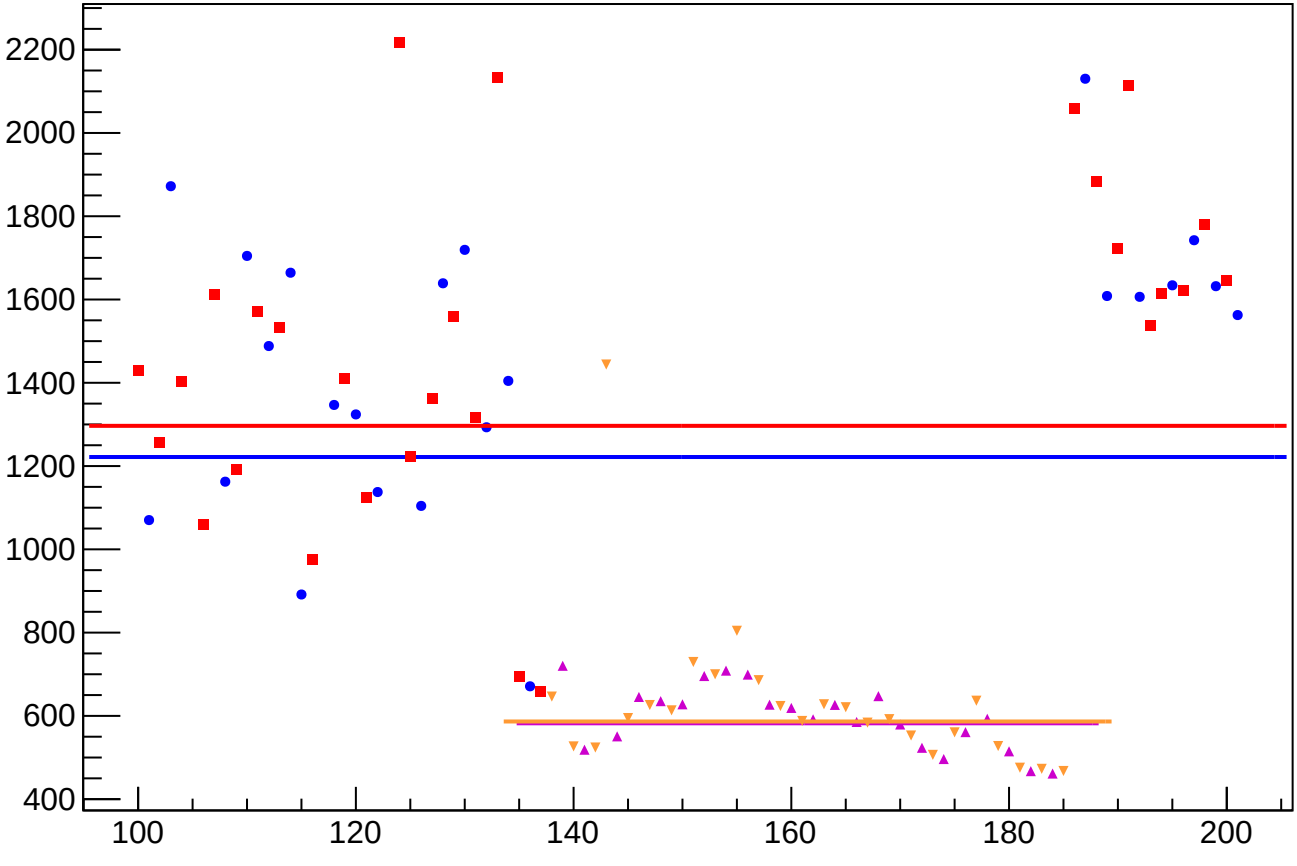
In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1035.835+/-367.497 χ²/NDF: 23.2/22
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -594.256+/-371.972 χ²/NDF: 24.0/27
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 230.654+/-261.428 χ²/NDF: 56.9/50
In: 15.764+/-128.589 χ²/NDF:53.5/45
Out: 386.230+/-127.521 χ²/NDF:98.9/52
All: 202.542+/-90.546 χ²/NDF: 156.6/98

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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

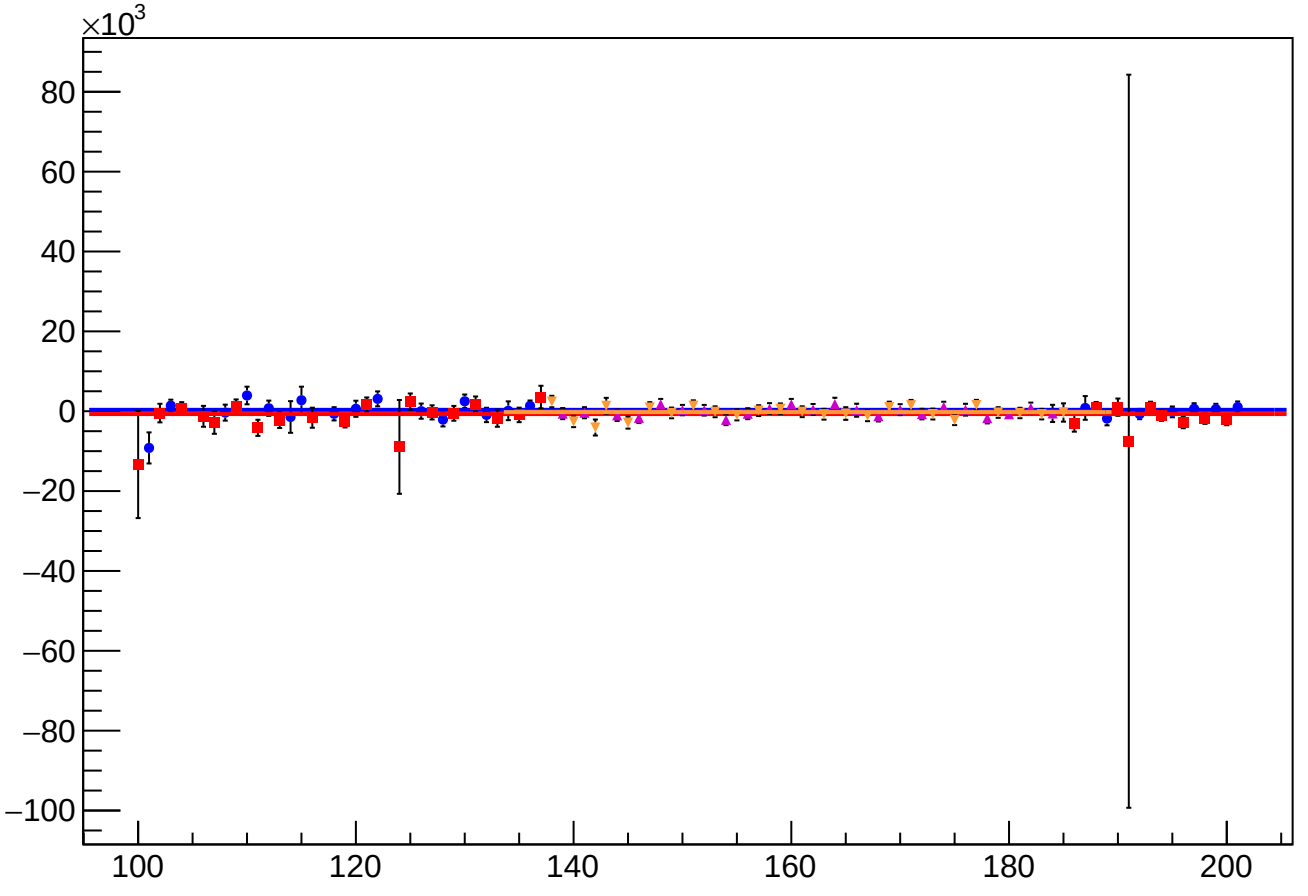
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1258.714+/-0.185 χ^2/NDF: 4749302.1/50

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98



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: -711.006+/-354.696 χ^2/NDF: 26.0/27

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

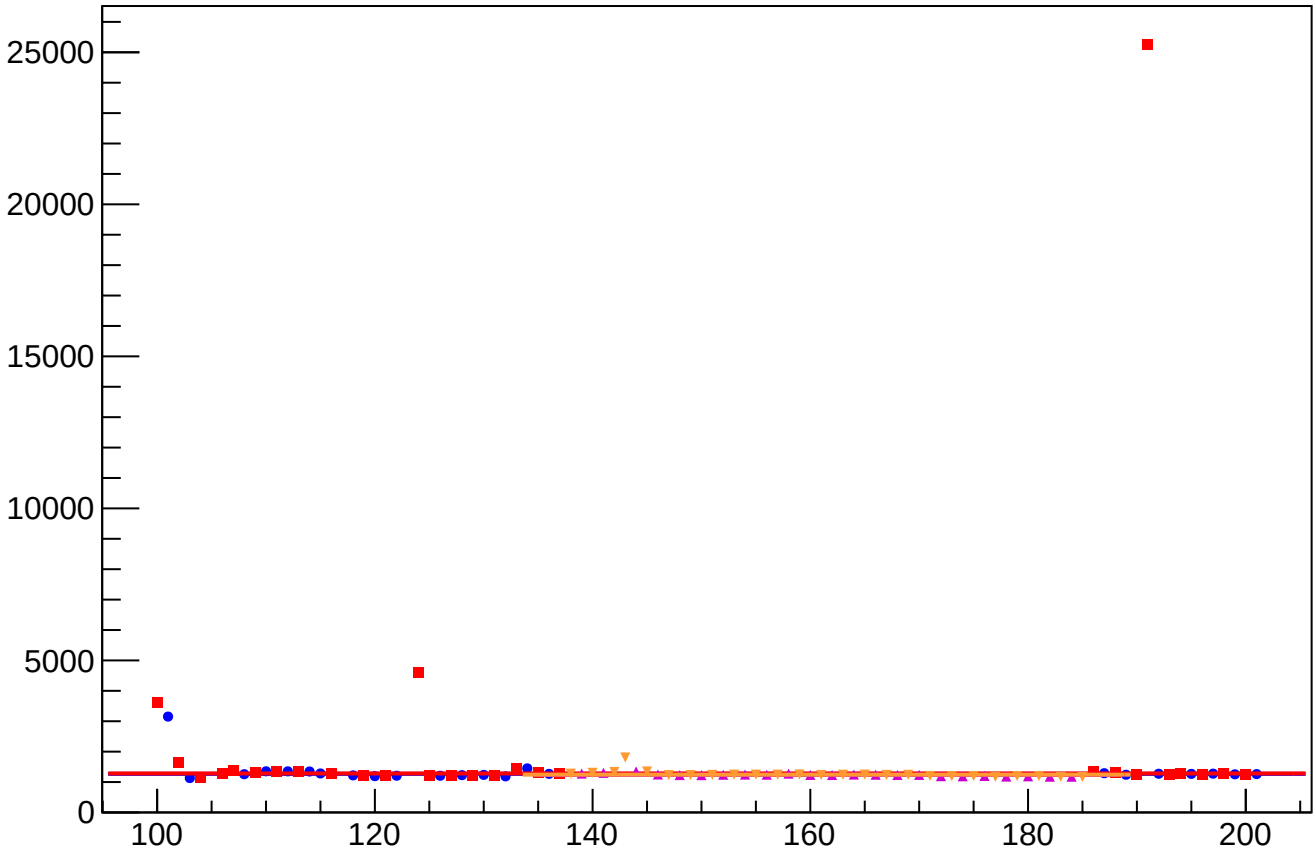
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -196.038+/-254.474 χ^2/NDF: 50.4/50

In: 77.360+/-226.270 χ^2/NDF:35.7/45

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -172.559+/-158.189 χ^2/NDF: 89.1/98



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: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

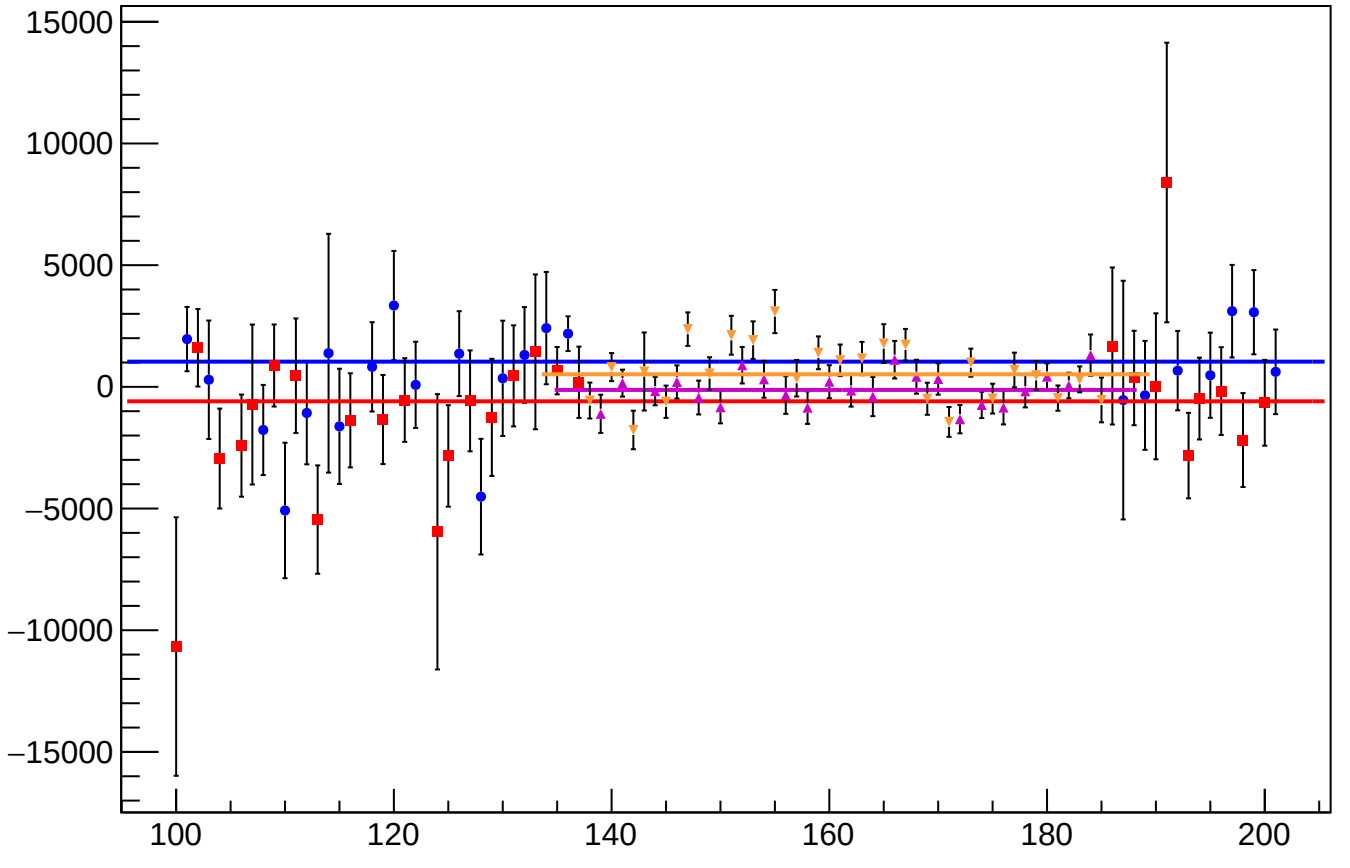
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1275.992+/-0.180 χ^2/NDF: 997640.5/50

In: 1247.376+/-0.160 χ^2/NDF:571434.8/45

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98



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: -594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

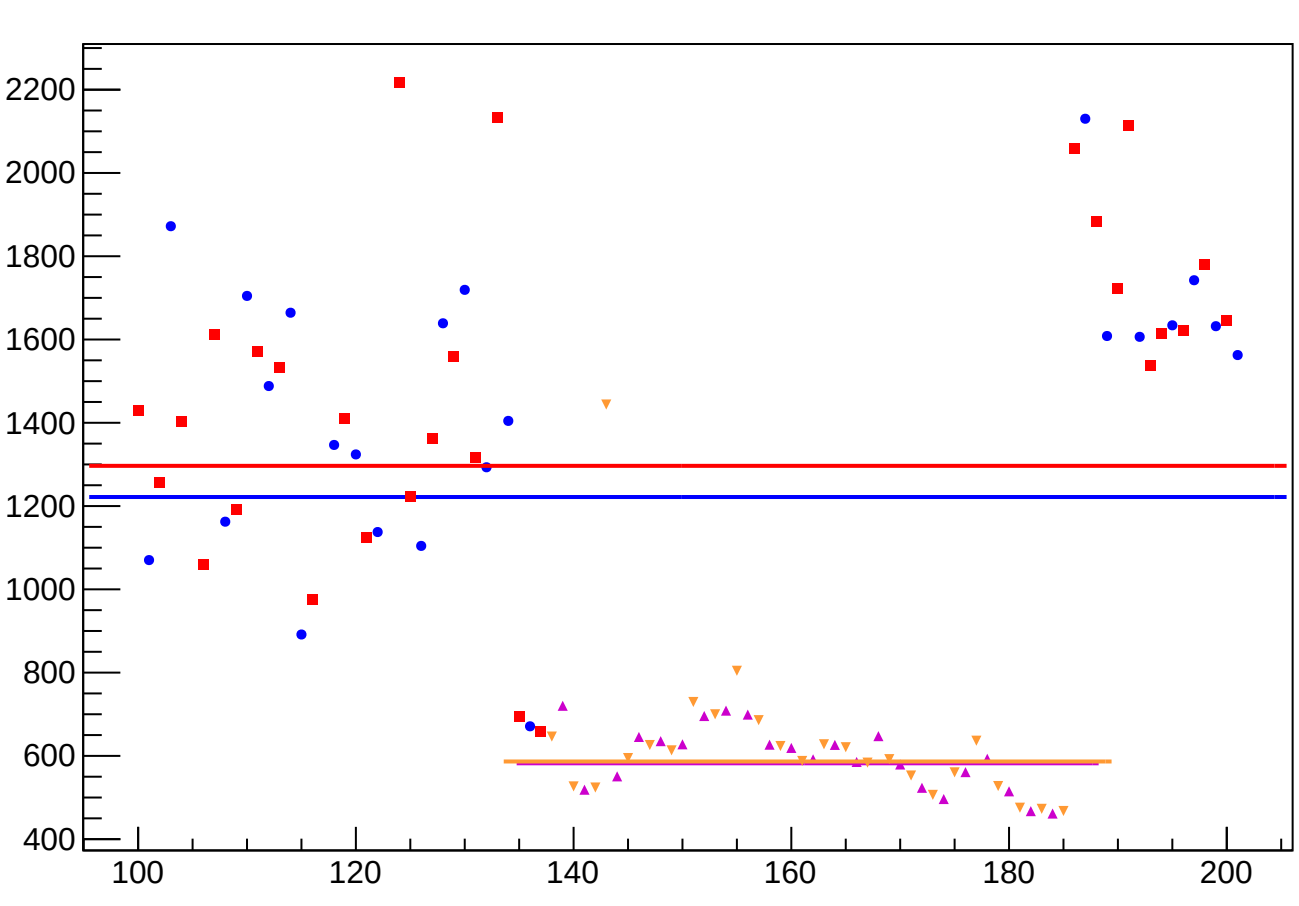
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 230.654+/-261.428 χ^2/NDF: 56.9/50

In: 15.764+/-128.589 χ^2/NDF:53.5/45

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 202.542+/-90.546 χ^2/NDF: 156.6/98



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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

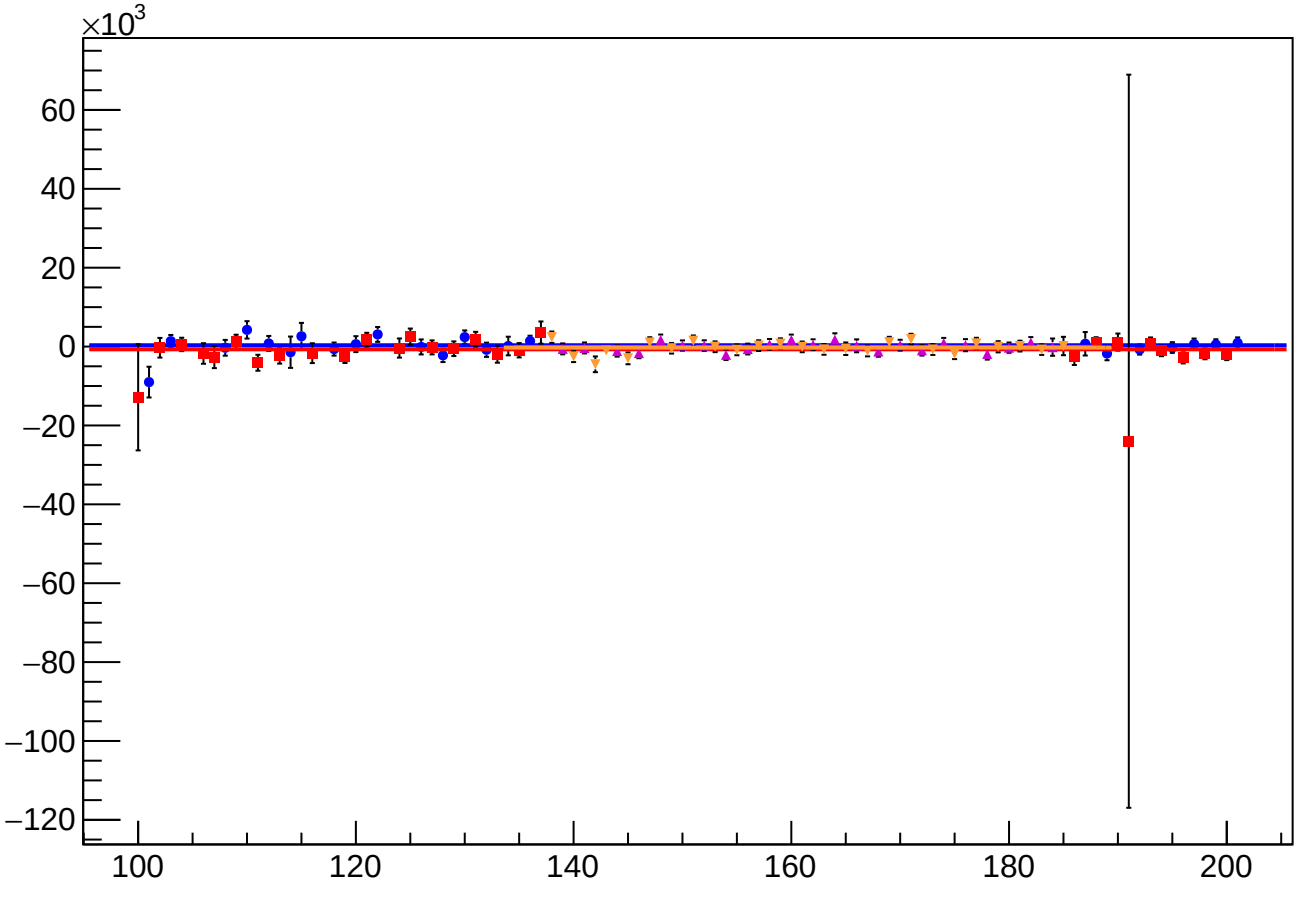
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1258.714+/-0.185 χ^2/NDF: 4749302.1/50

In: 660.490+/-0.091 χ^2/NDF:8268687.7/45

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98



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: -699.637+/-353.287 χ^2/NDF: 25.5/27

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

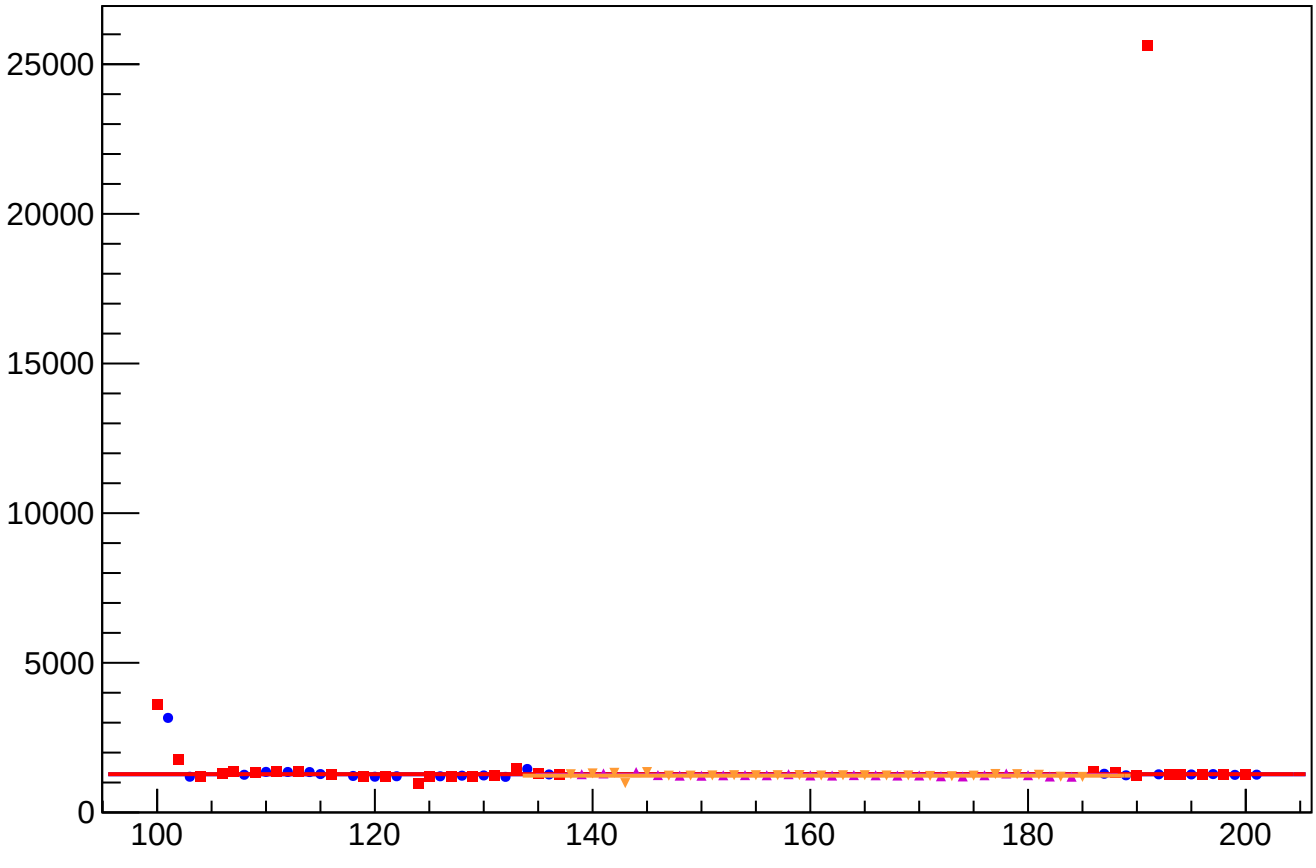
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -201.309+/-254.486 χ^2/NDF: 49.7/50

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -423.935+/-219.401 χ^2/NDF:50.5/52

All: -179.894+/-158.163 χ^2/NDF: 87.9/98



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: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

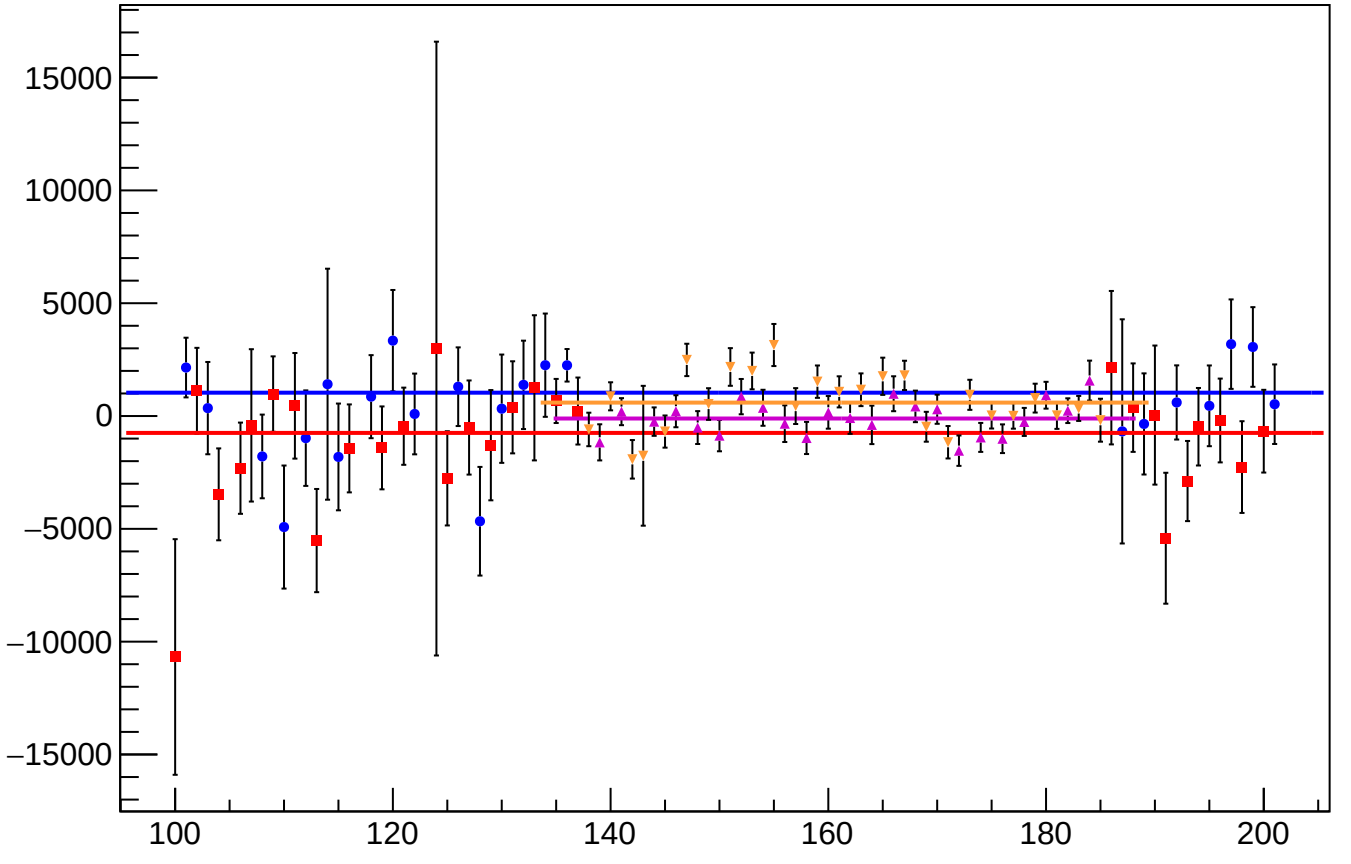
Right: 1277.421+/-0.180 χ^2/NDF: 877999.6/50

In: 1258.344+/-0.161 χ^2/NDF:543042.6/45

Out: 1249.119+/-0.155 χ^2/NDF:534758.5/52

All: 1253.550+/-0.112 χ^2/NDF: 1079499.4/98

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: -748.259+/-376.775 χ^2/NDF: 23.0/27

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

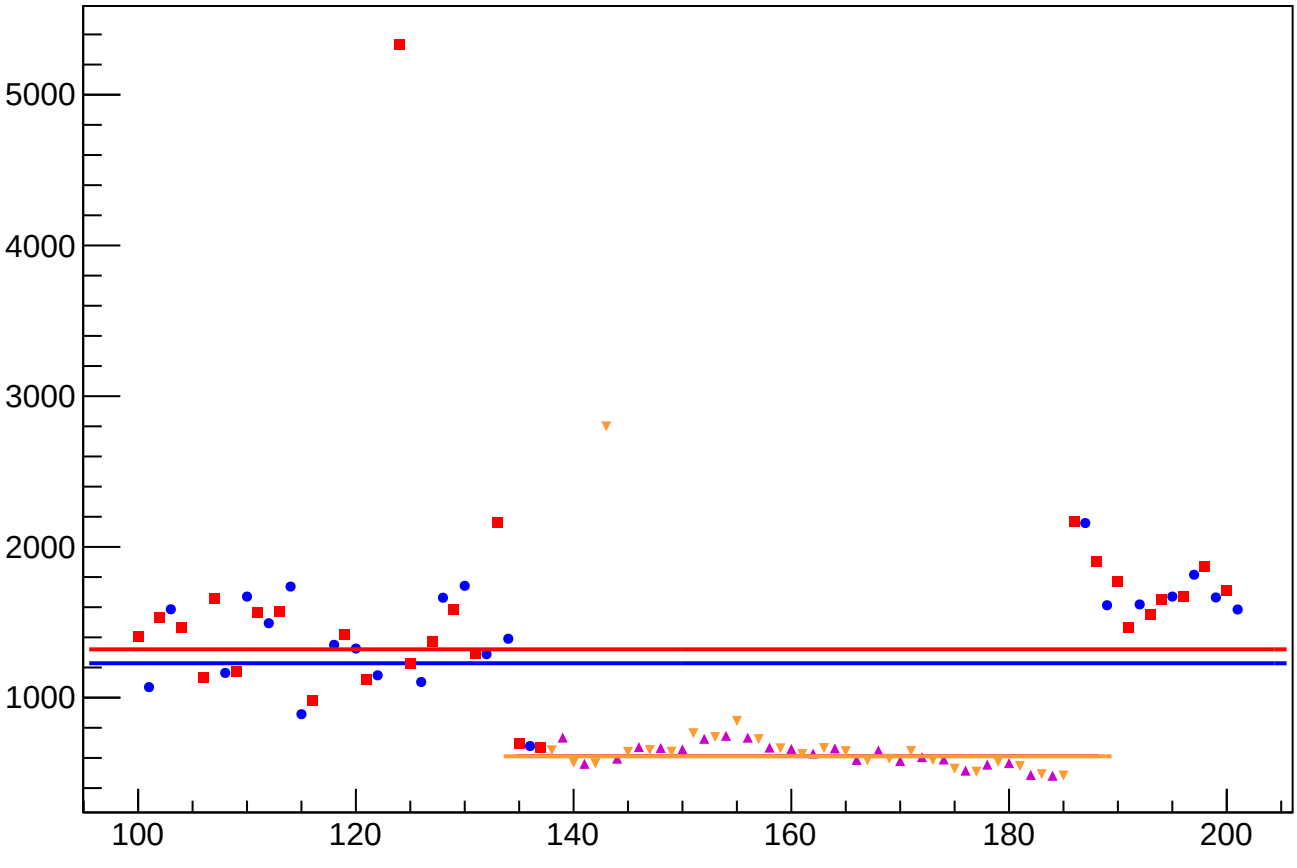
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 162.162+/-263.578 χ^2/NDF: 58.2/50

In: 41.597+/-134.328 χ^2/NDF:57.8/45

Out: 427.664+/-132.983 χ^2/NDF:91.5/52

All: 236.573+/-94.505 χ^2/NDF: 153.5/98



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: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

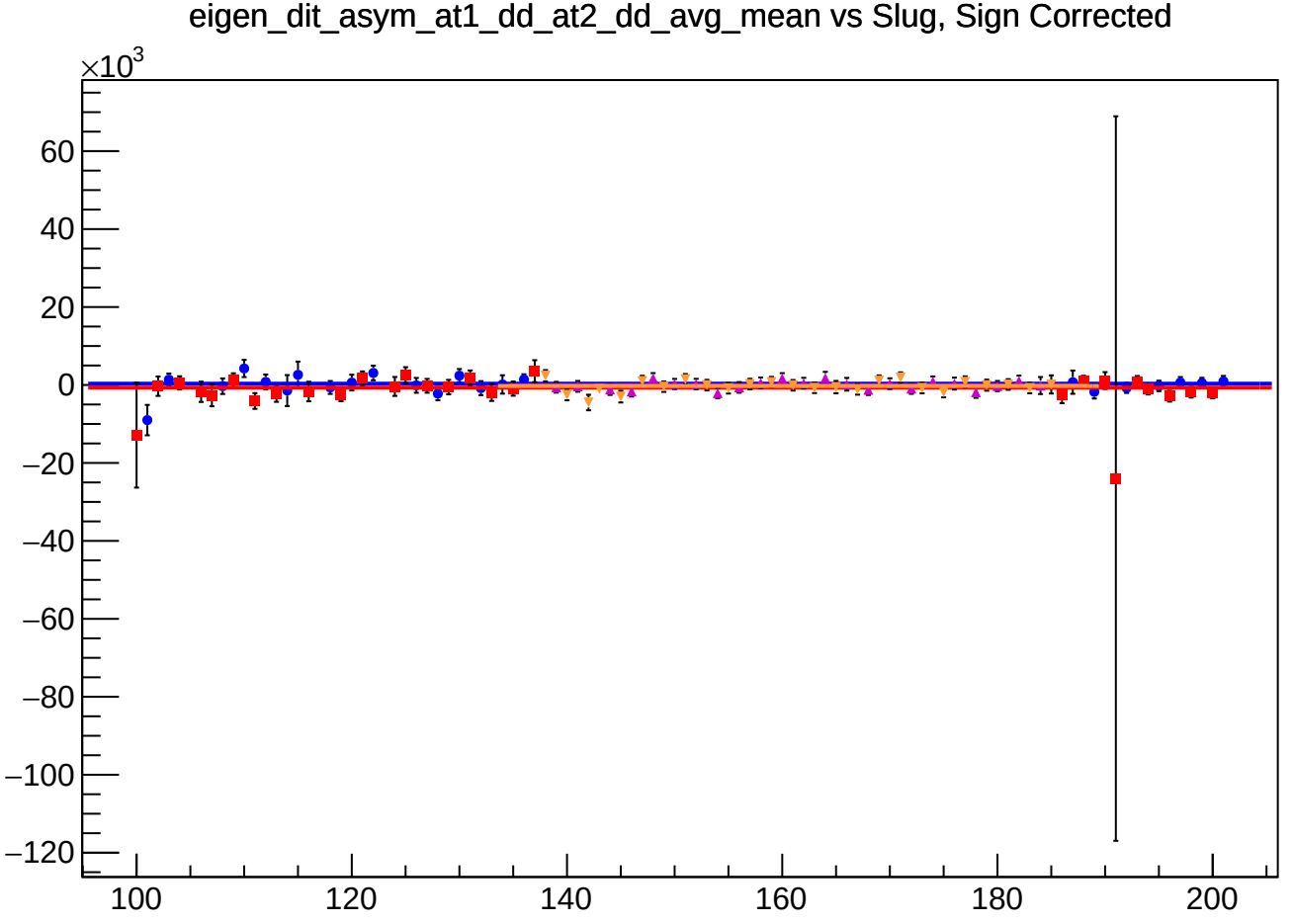
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1273.387+/-0.186 χ^2/NDF: 4926600.0/50

In: 694.064+/-0.095 χ^2/NDF:7679211.1/45

Out: 699.468+/-0.094 χ^2/NDF:10356560.4/52

All: 696.793+/-0.067 χ^2/NDF: 18037405.8/98



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: -699.636+/-353.287 χ^2/NDF: 25.5/27

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

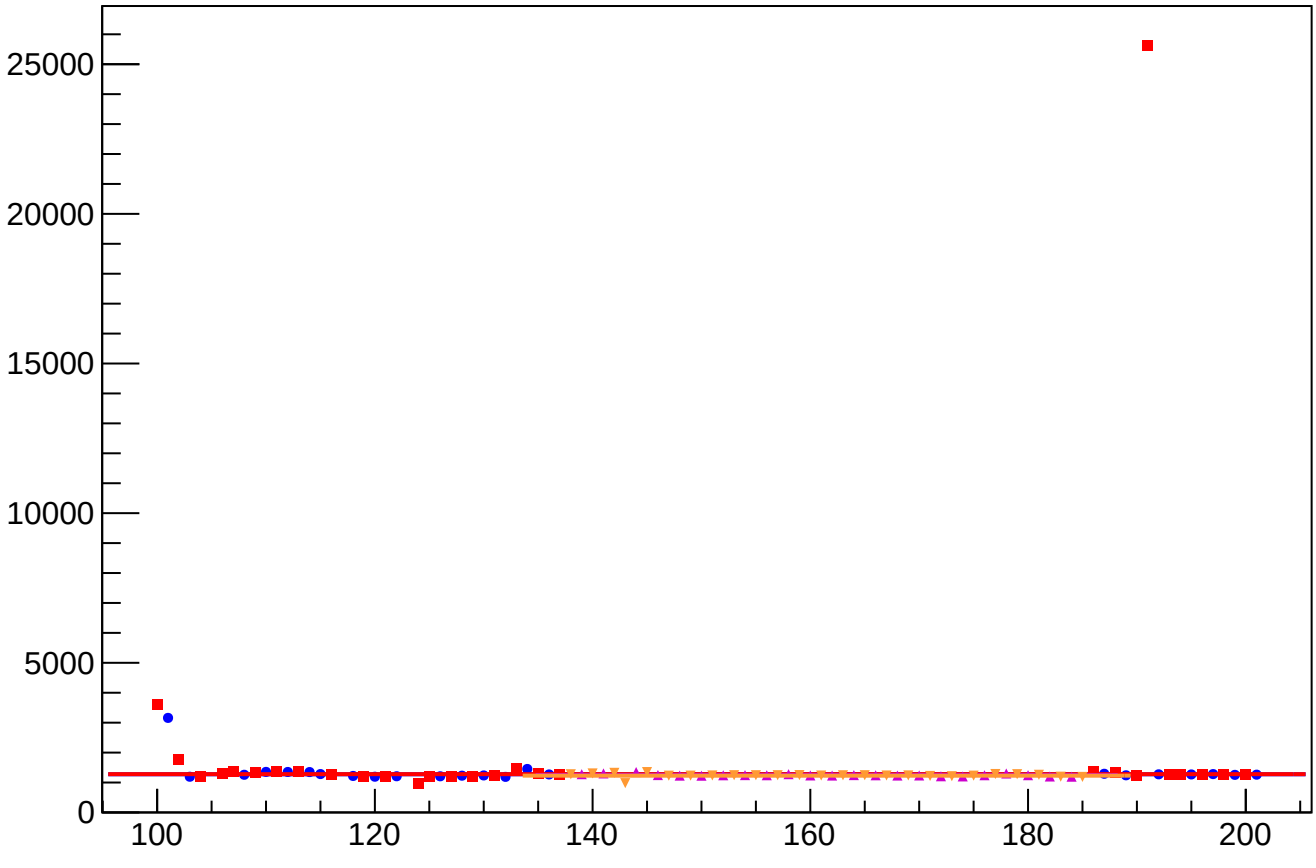
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -201.308+/-254.486 χ^2/NDF: 49.7/50

In: 84.145+/-228.213 χ^2/NDF:34.8/45

Out: -423.936+/-219.401 χ^2/NDF:50.5/52

All: -179.894+/-158.163 χ^2/NDF: 87.9/98



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: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

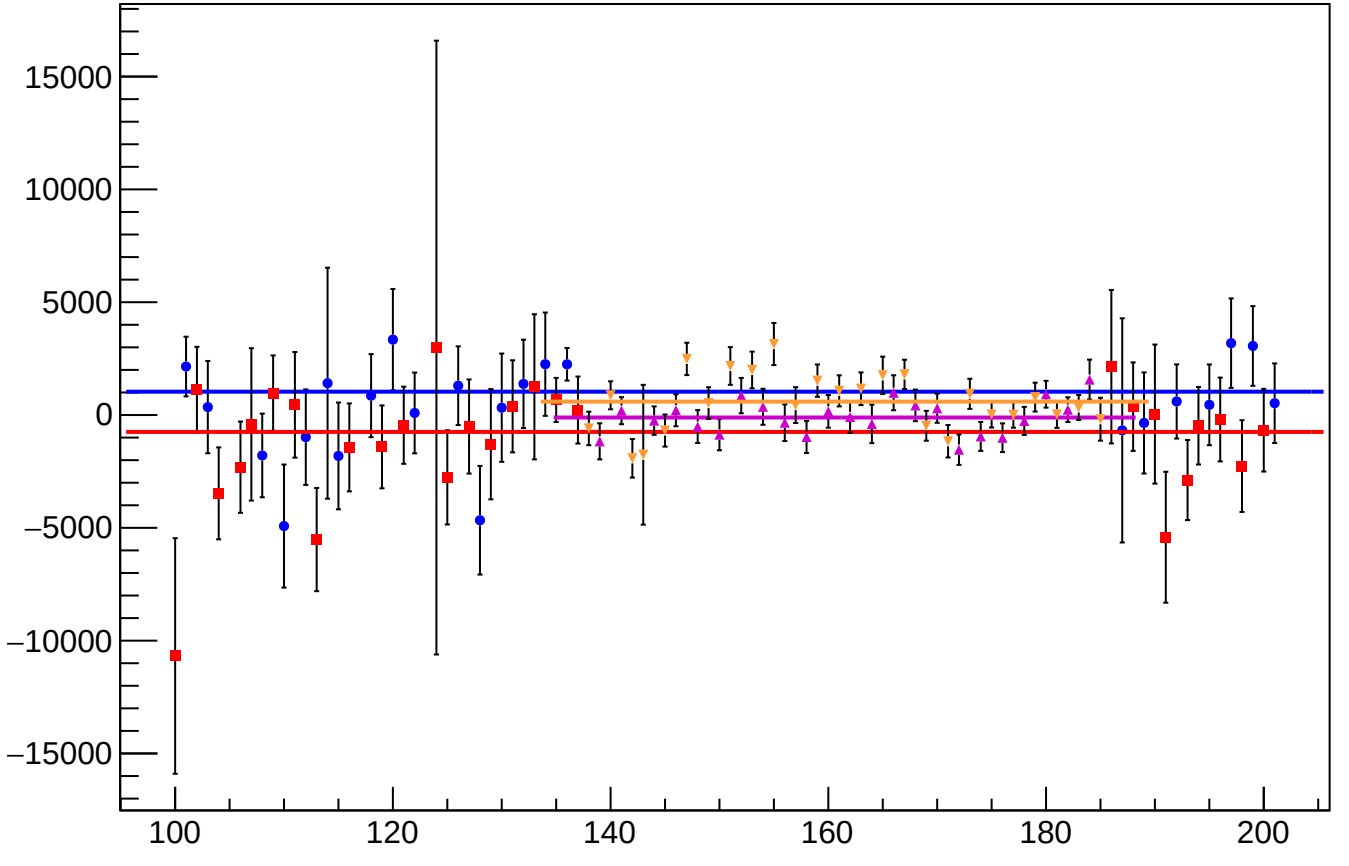
Right: 1277.420+/-0.180 χ^2/NDF: 877999.6/50

In: 1258.344+/-0.161 χ^2/NDF:543042.7/45

Out: 1249.119+/-0.155 χ^2/NDF:534757.5/52

All: 1253.550+/-0.112 χ^2/NDF: 1079498.4/98

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: -748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

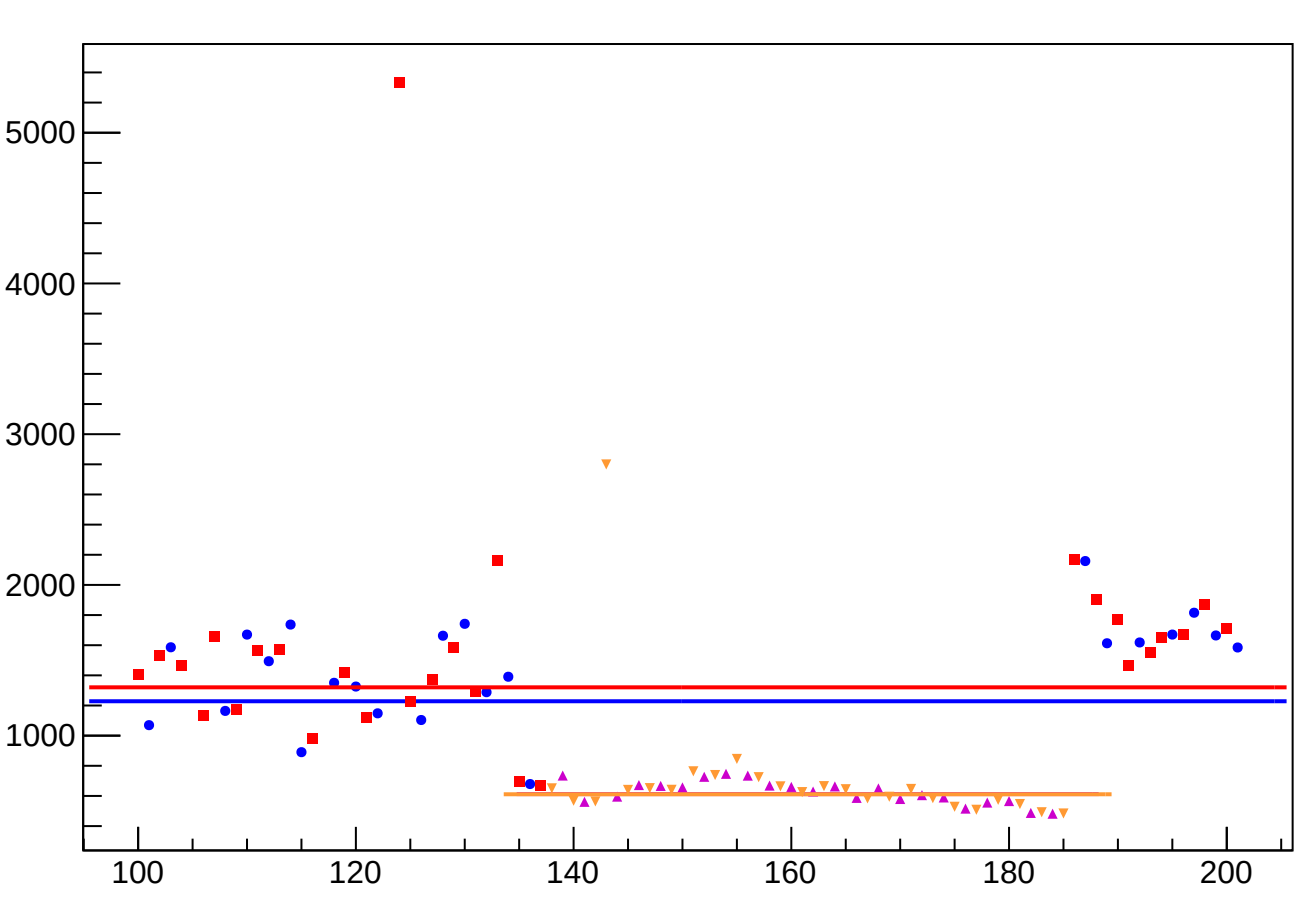
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 162.155+/-263.579 χ^2/NDF: 58.2/50

In: 41.596+/-134.328 χ^2/NDF:57.8/45

Out: 427.664+/-132.983 χ^2/NDF:91.5/52

All: 236.572+/-94.505 χ^2/NDF: 153.5/98



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: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

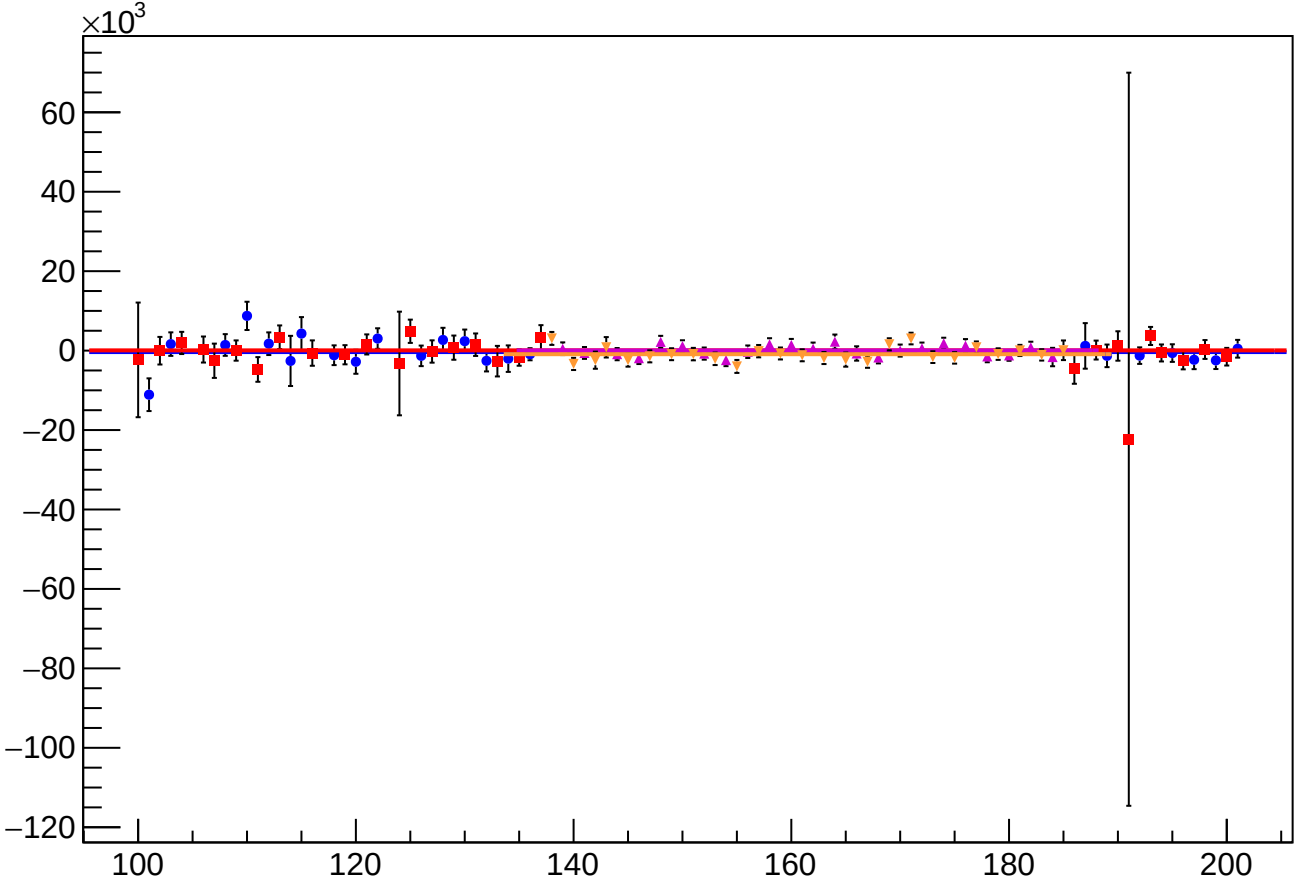
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1273.393+/-0.186 χ^2/NDF: 4926443.1/50

In: 694.064+/-0.095 χ^2/NDF:7679213.0/45

Out: 699.468+/-0.094 χ^2/NDF:10356557.5/52

All: 696.793+/-0.067 χ^2/NDF: 18037405.0/98



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: 61.700+/-547.034 χ^2/NDF: 16.3/27

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

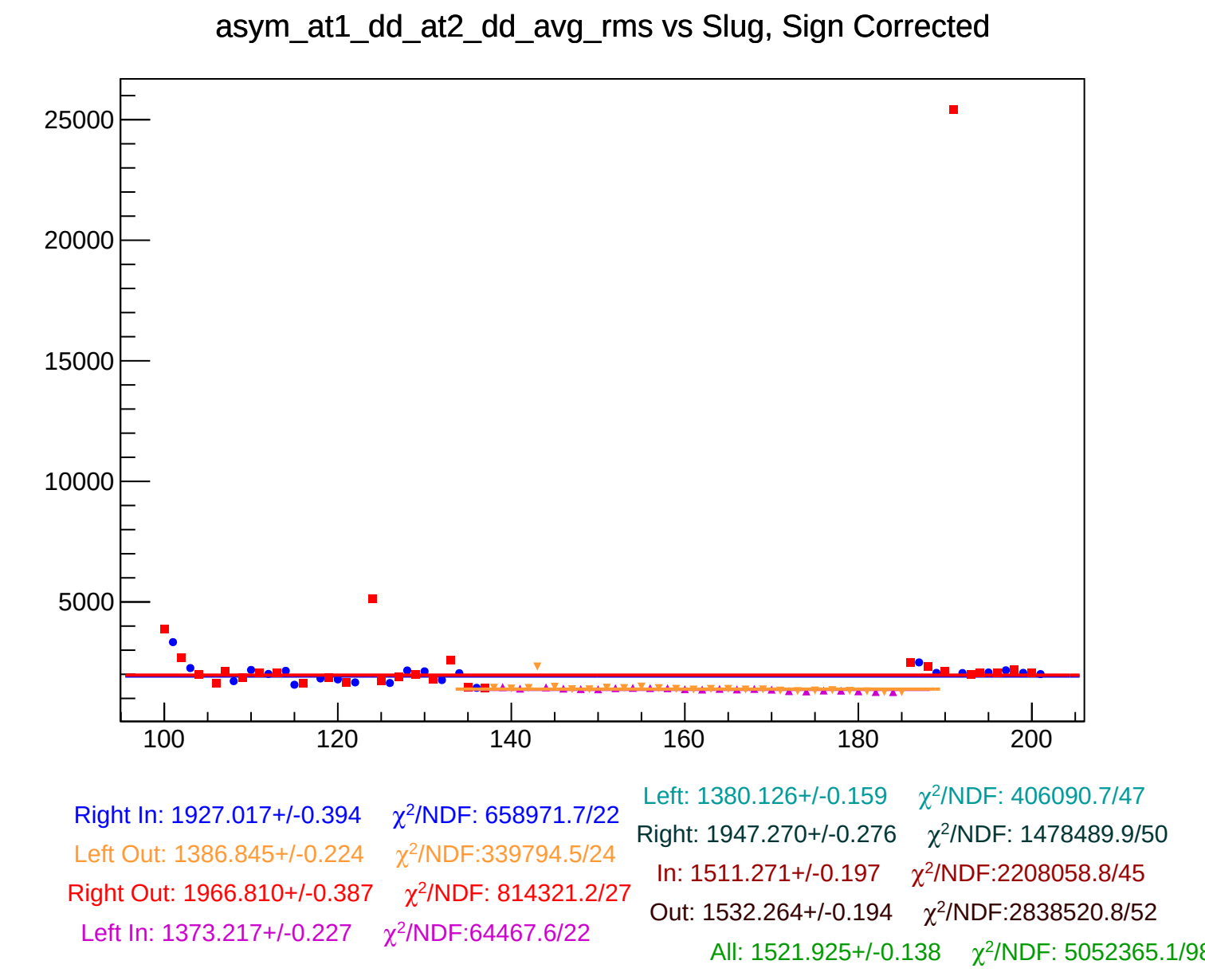
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

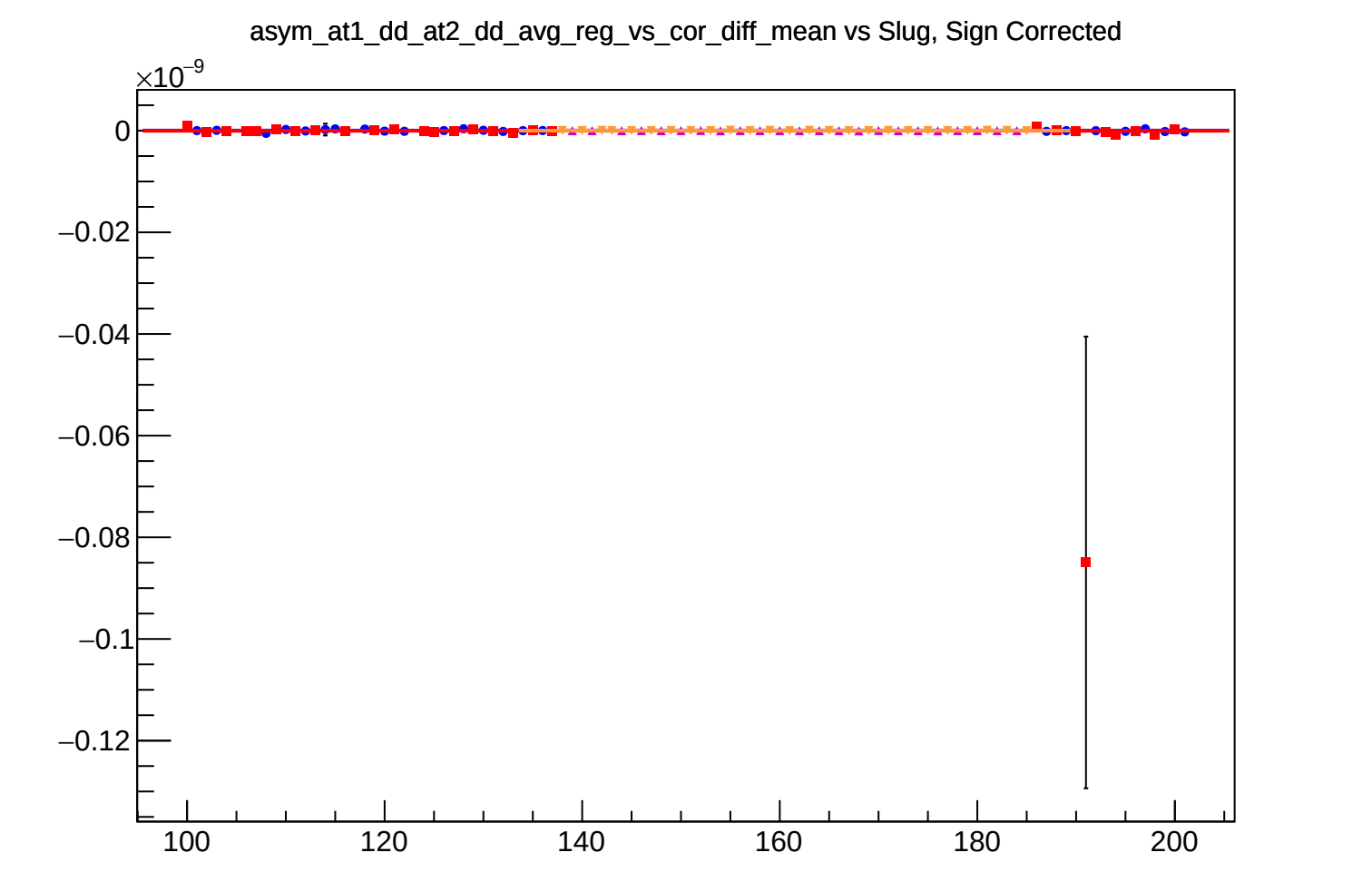
Right: -147.335+/-390.262 χ^2/NDF: 40.4/50

In: -54.572+/-278.065 χ^2/NDF:42.1/45

Out: -658.790+/-273.919 χ^2/NDF:48.4/52

All: -361.219+/-195.139 χ^2/NDF: 92.9/98


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1927.017+/-0.394 χ²/NDF: 658971.7/22
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1966.810+/-0.387 χ²/NDF: 814321.2/27
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1947.270+/-0.276 χ²/NDF: 1478489.9/50
In: 1511.271+/-0.197 χ²/NDF:2208058.8/45
Out: 1532.264+/-0.194 χ²/NDF:2838520.8/52
All: 1521.925+/-0.138 χ²/NDF: 5052365.1/98



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: 43.2/27

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

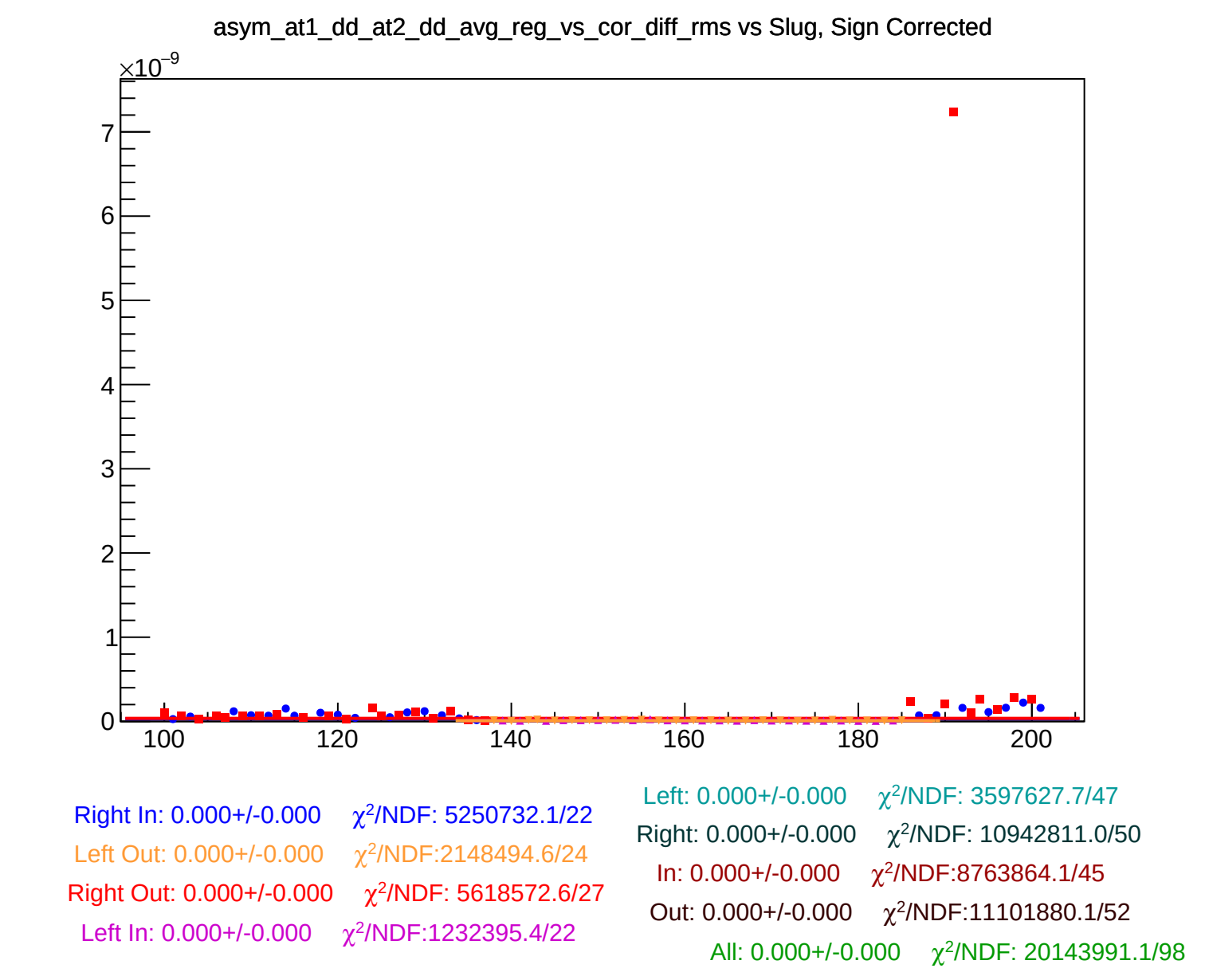
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/50

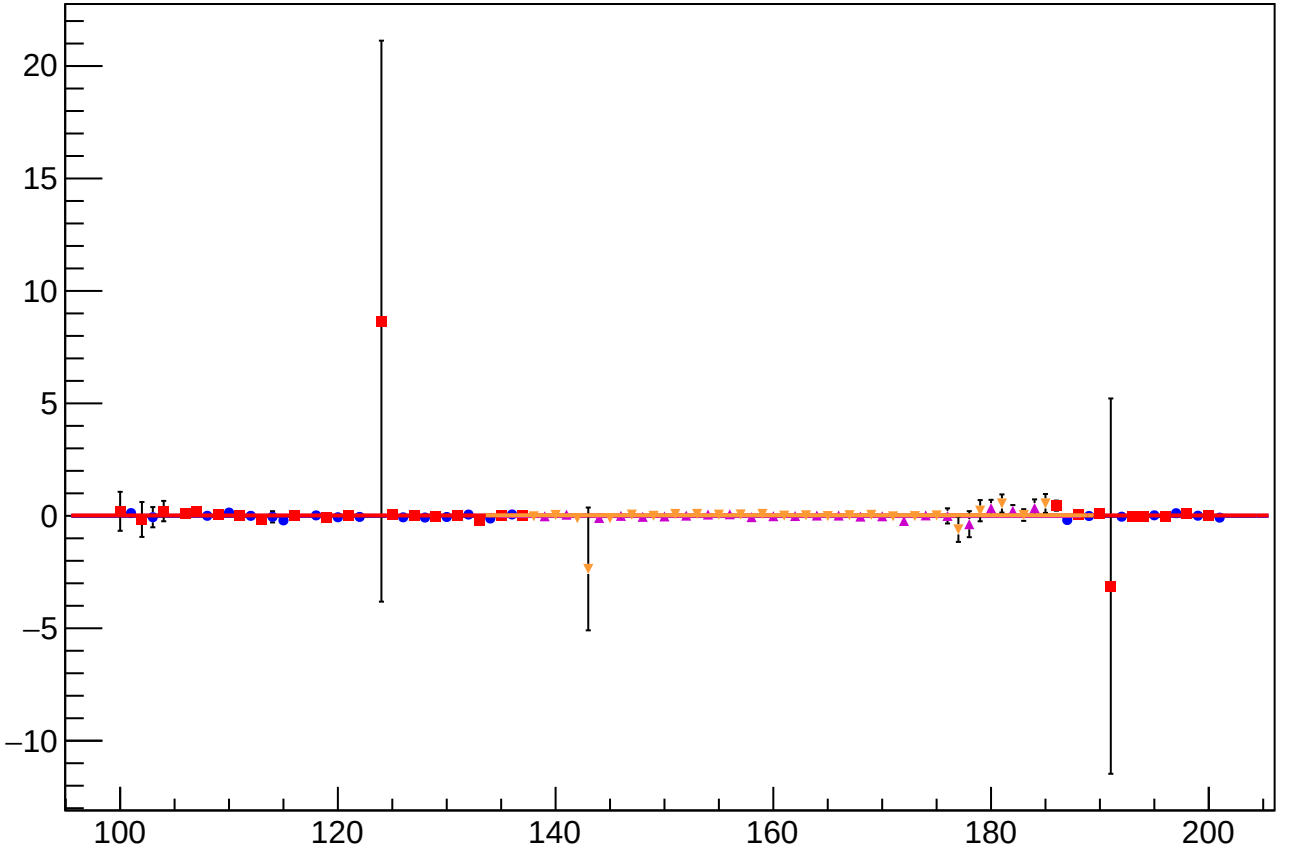
In: 0.000+/-0.000 χ^2/NDF:34.4/45

Out: 0.000+/-0.000 χ^2/NDF:69.5/52

All: 0.000+/-0.000 χ^2/NDF: 103.9/98


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: 5618572.6/27
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: 10942811.0/50
In: 0.000+/-0.000 χ²/NDF:8763864.1/45
Out: 0.000+/-0.000 χ²/NDF:11101880.1/52
All: 0.000+/-0.000 χ²/NDF: 20143991.1/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

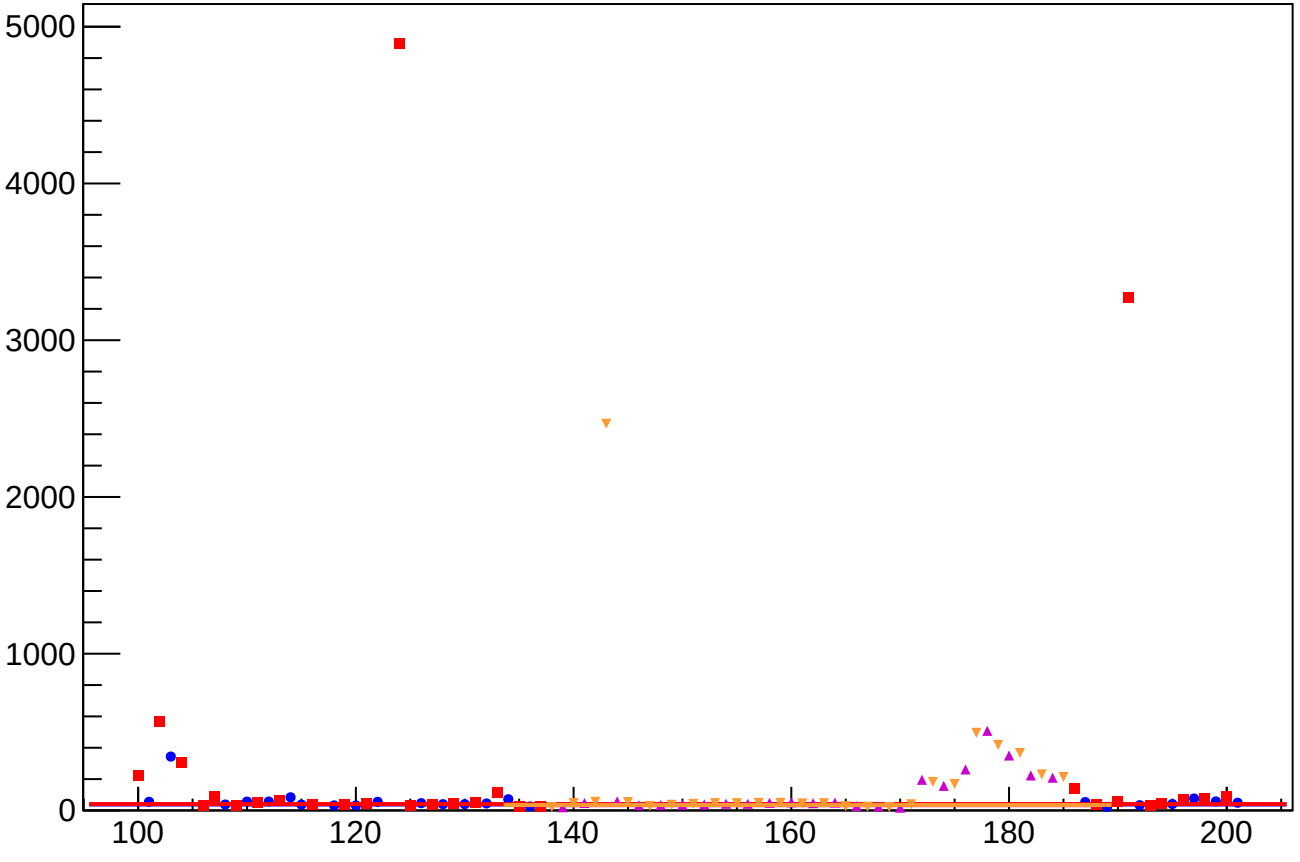
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

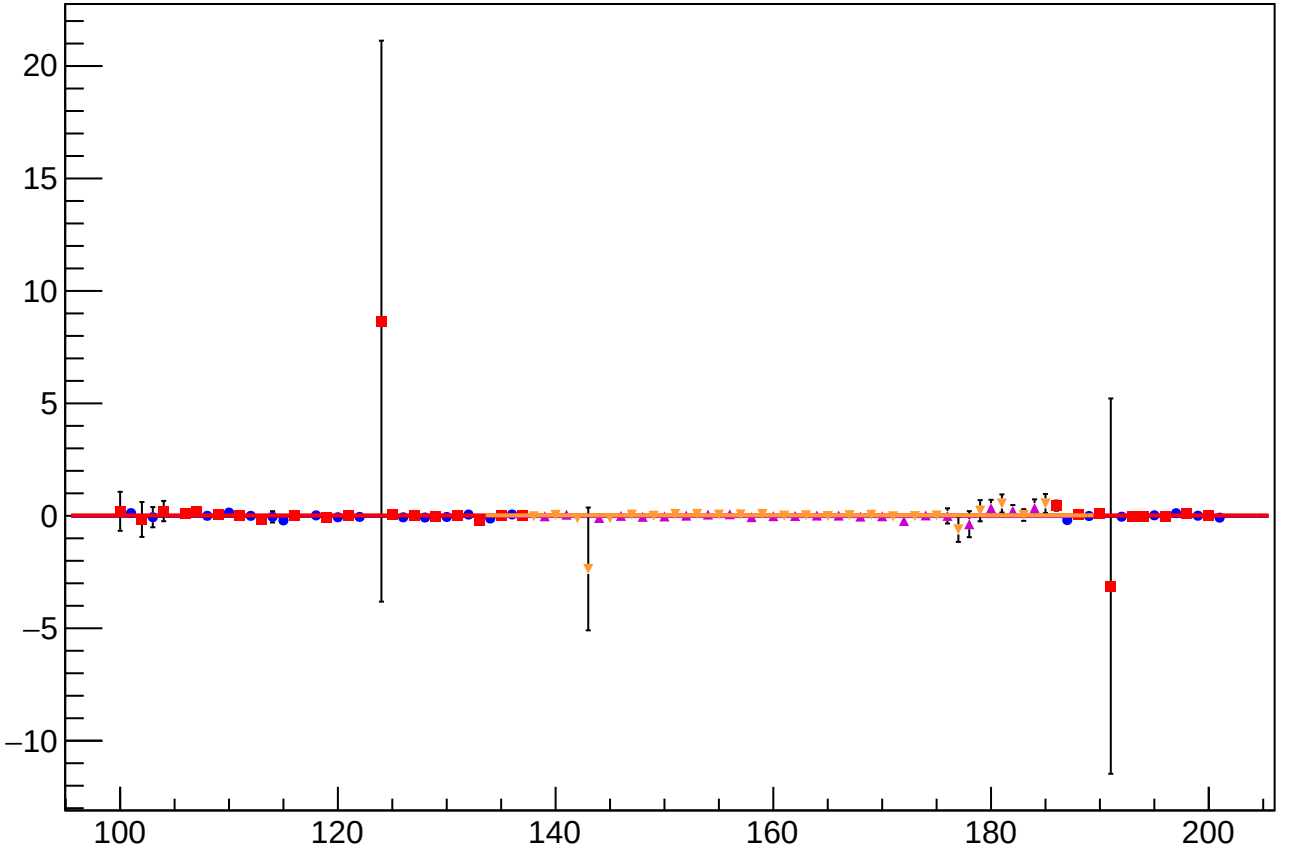
Right: 39.211+/-0.006 χ^2/NDF: 8196015.3/50

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

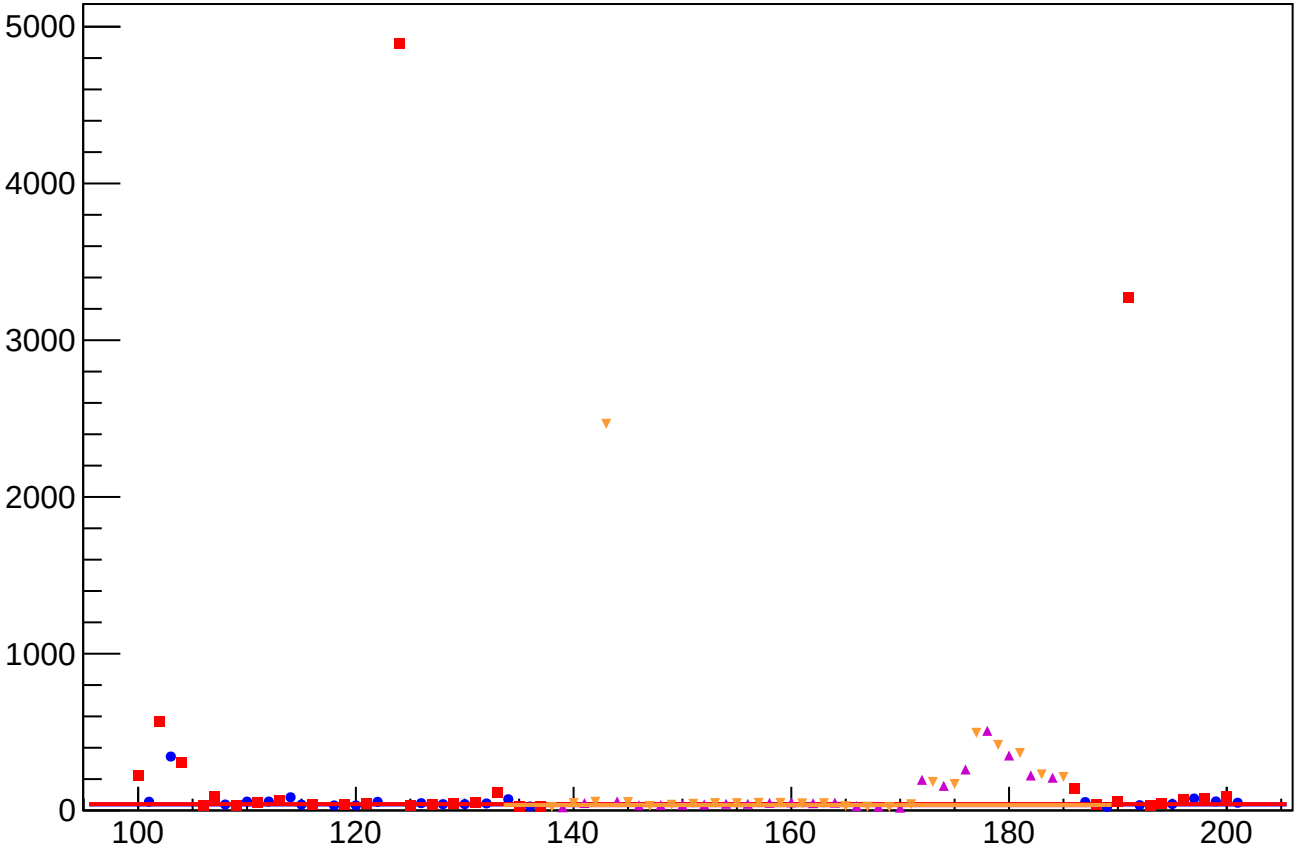
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

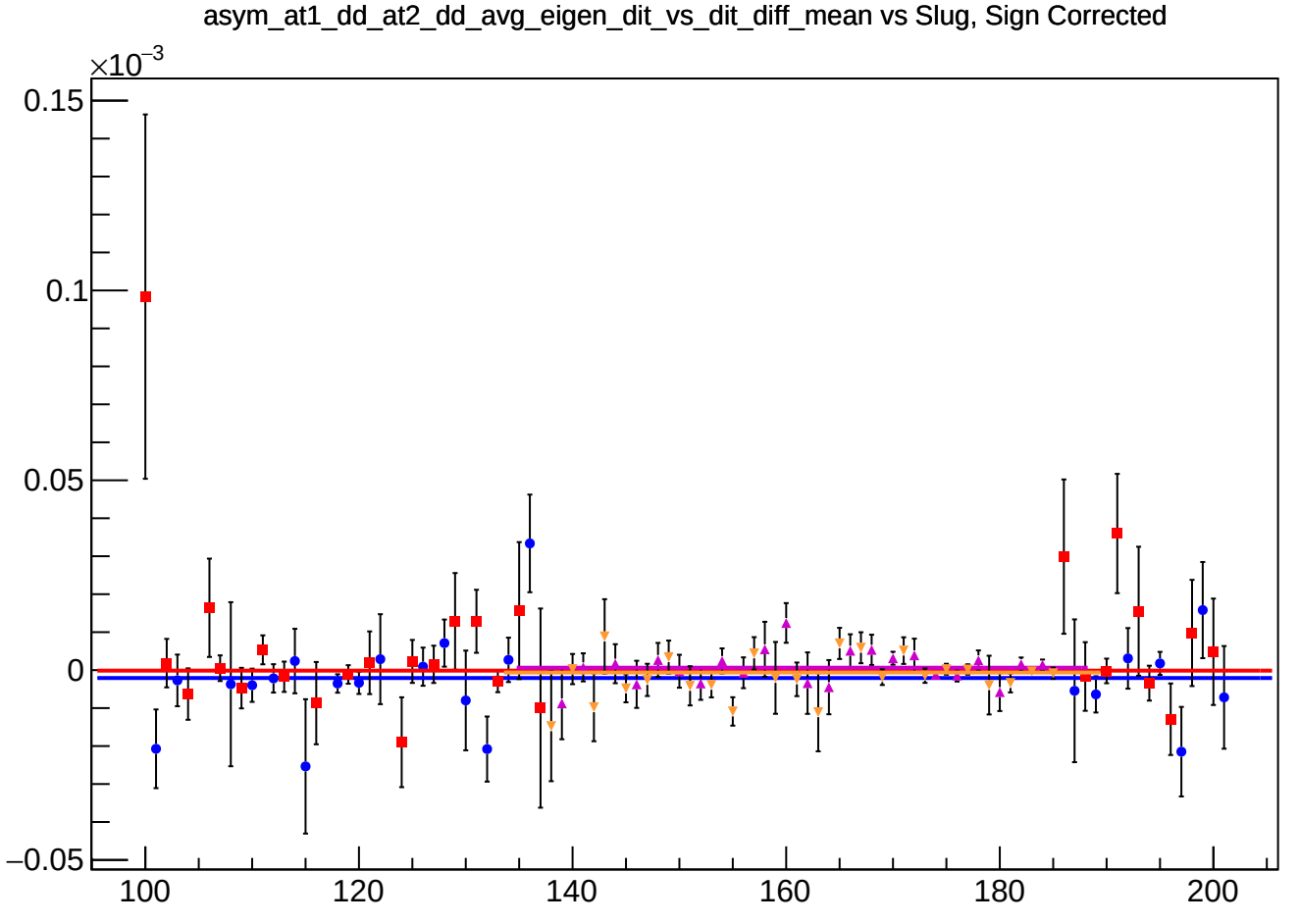
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 39.211+/-0.006 χ^2/NDF: 8196015.3/50

In: 35.345+/-0.006 χ^2/NDF:13188954.0/45

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98



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: 30.2/27

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

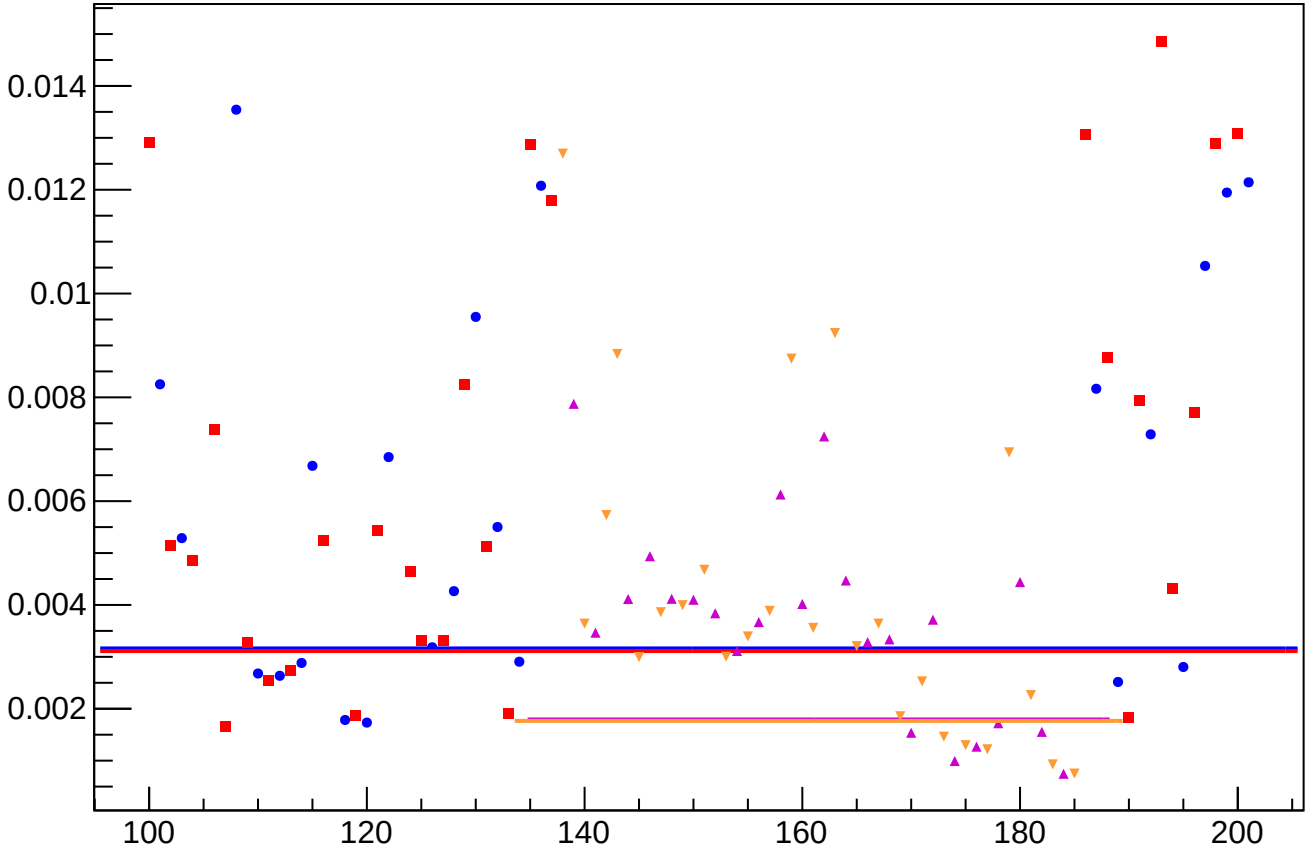
Right: -0.000+/-0.000 χ^2/NDF: 61.4/50

In: 0.000+/-0.000 χ^2/NDF:56.3/45

Out: -0.000+/-0.000 χ^2/NDF:58.8/52

All: -0.000+/-0.000 χ^2/NDF: 116.0/98

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: 8800178.3/27

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

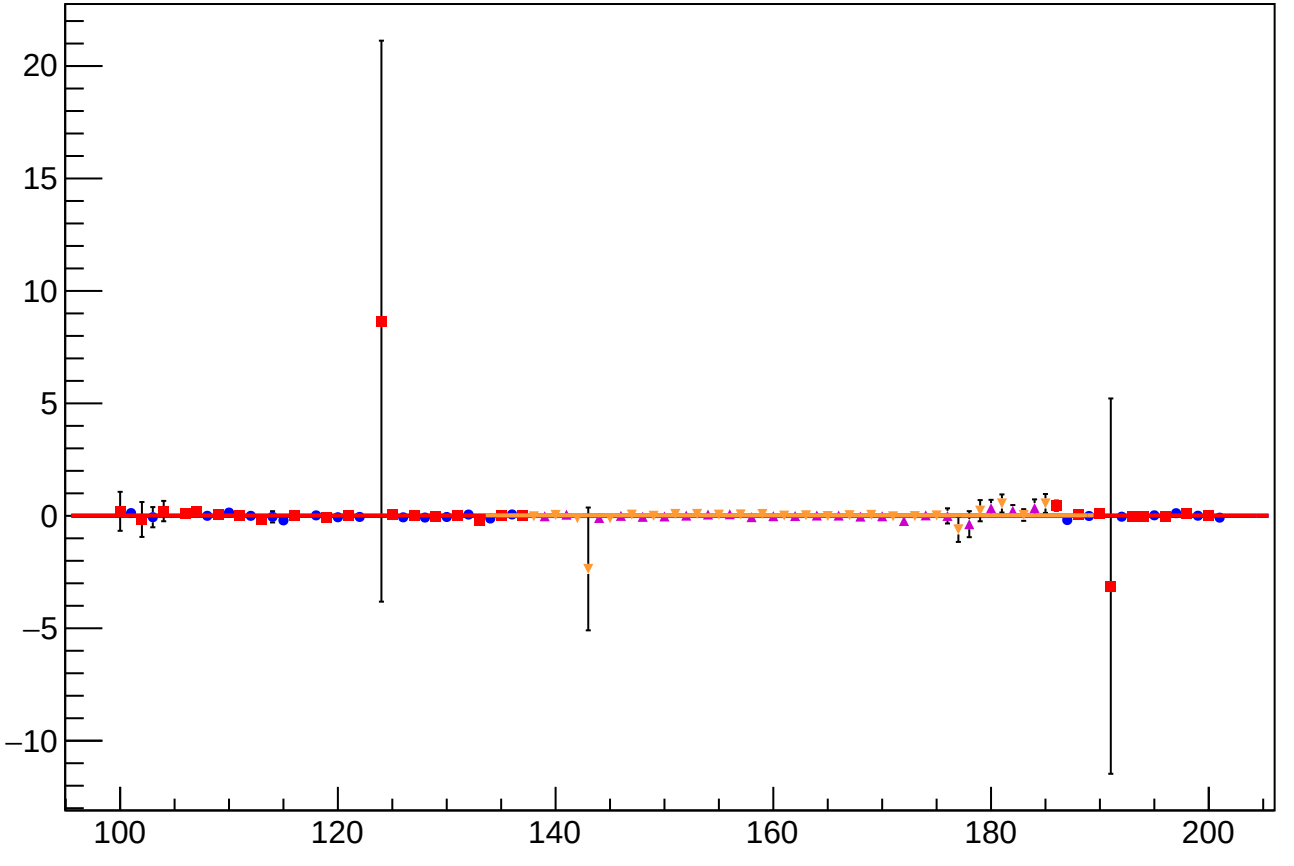
Right: 0.003+/-0.000 χ^2/NDF: 16417831.8/50

In: 0.002+/-0.000 χ^2/NDF:20746531.7/45

Out: 0.002+/-0.000 χ^2/NDF:24390381.6/52

All: 0.002+/-0.000 χ^2/NDF: 45139303.4/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

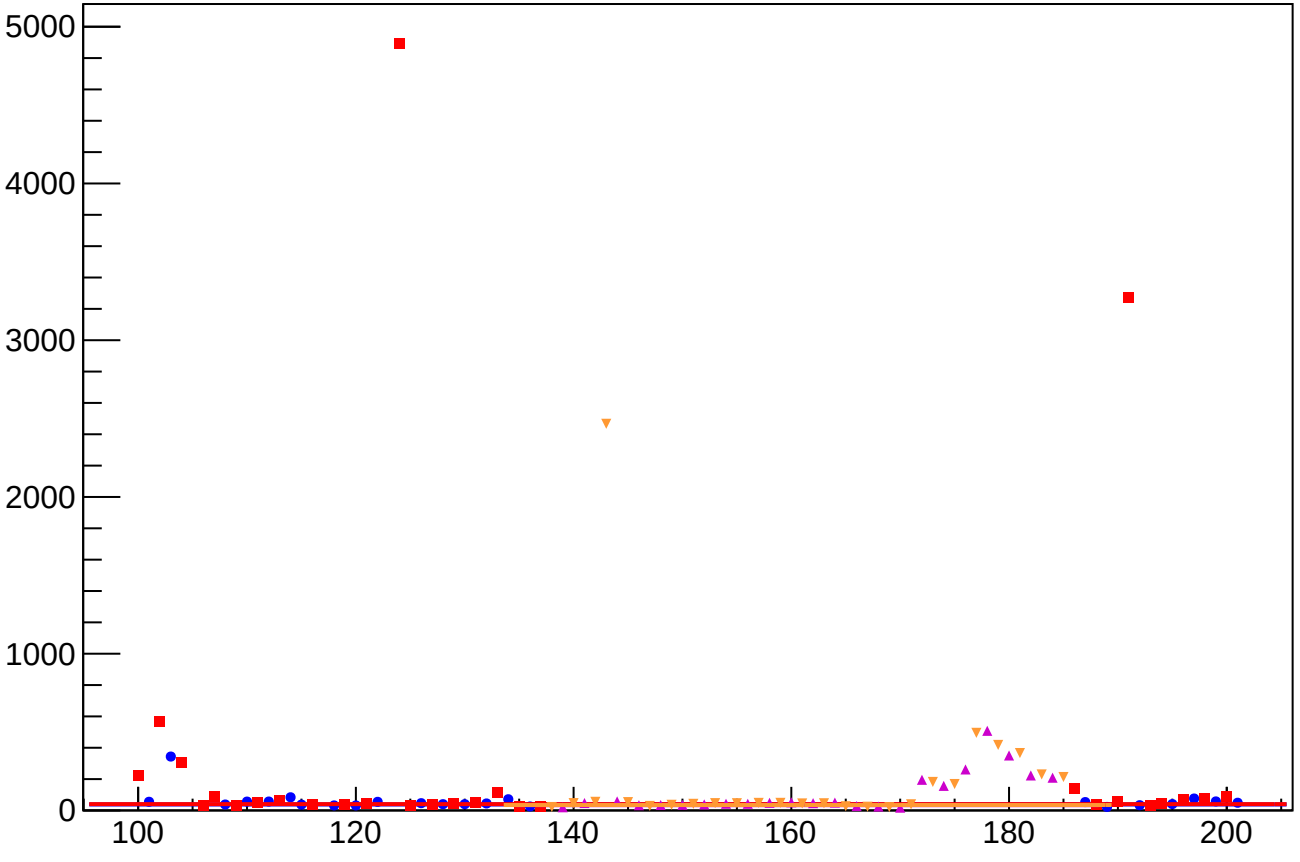
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

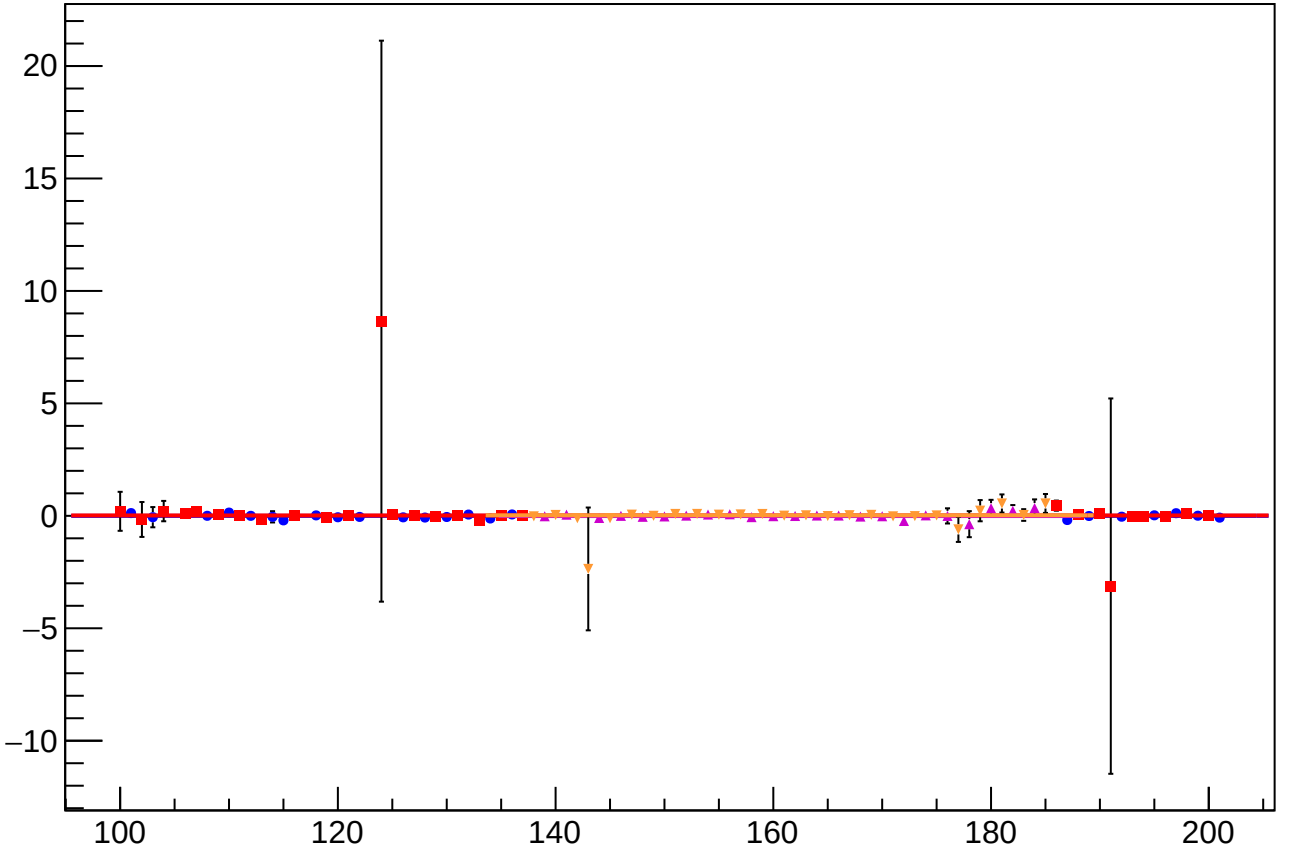
Right: 39.213+/-0.006 χ^2/NDF: 8194961.0/50

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

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: 0.017+/-0.013 χ^2/NDF: 21.4/27

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

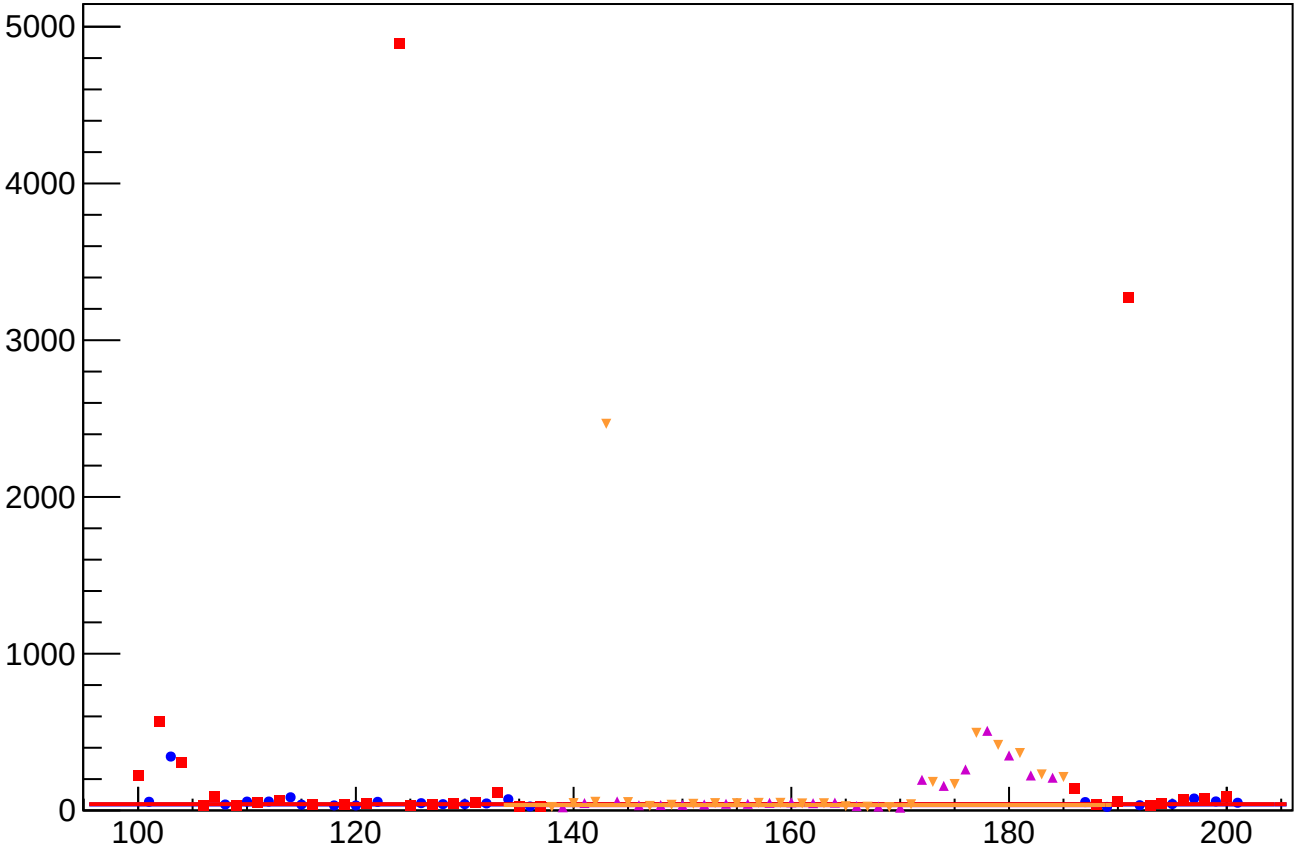
Right: 0.007+/-0.009 χ^2/NDF: 49.0/50

In: -0.006+/-0.008 χ^2/NDF:41.7/45

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.007+/-0.006 χ^2/NDF: 92.1/98

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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

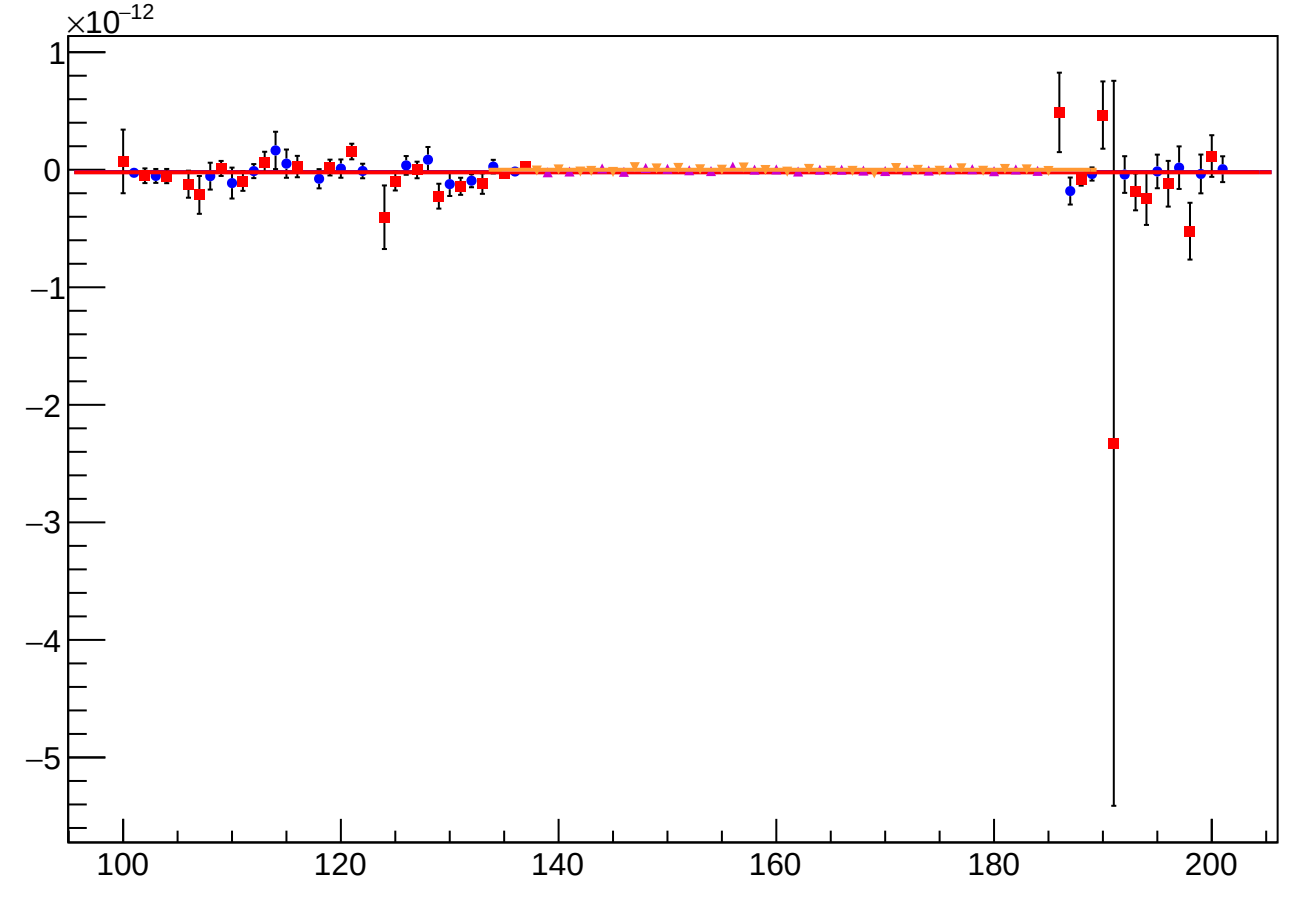
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 39.213+/-0.006 χ^2/NDF: 8194961.0/50

In: 35.347+/-0.006 χ^2/NDF:13186827.0/45

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98



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: 42.0/27

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

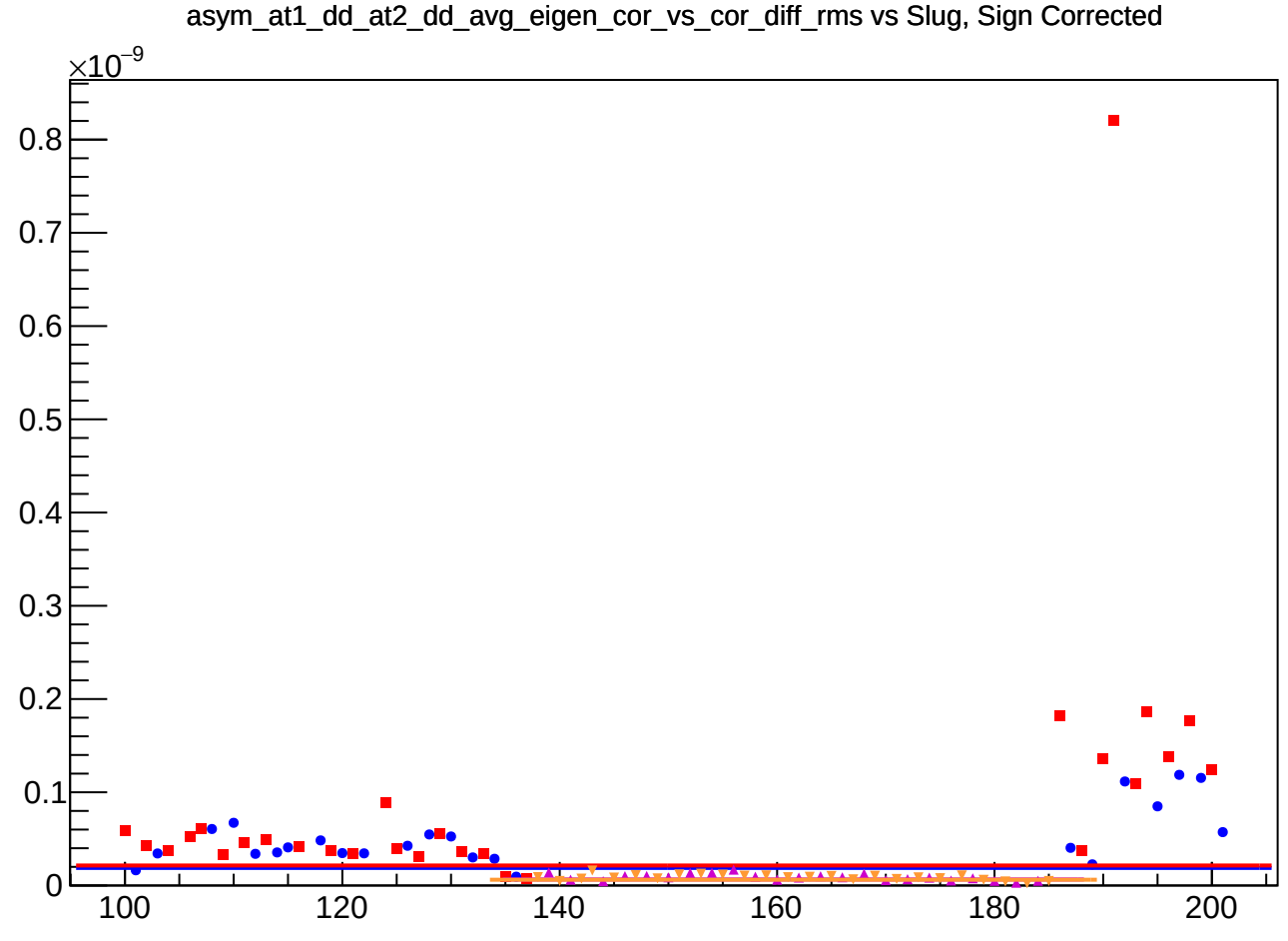
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/50

In: -0.000+/-0.000 χ^2/NDF:33.7/45

Out: -0.000+/-0.000 χ^2/NDF:72.0/52

All: -0.000+/-0.000 χ^2/NDF: 106.1/98



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: 8875405.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

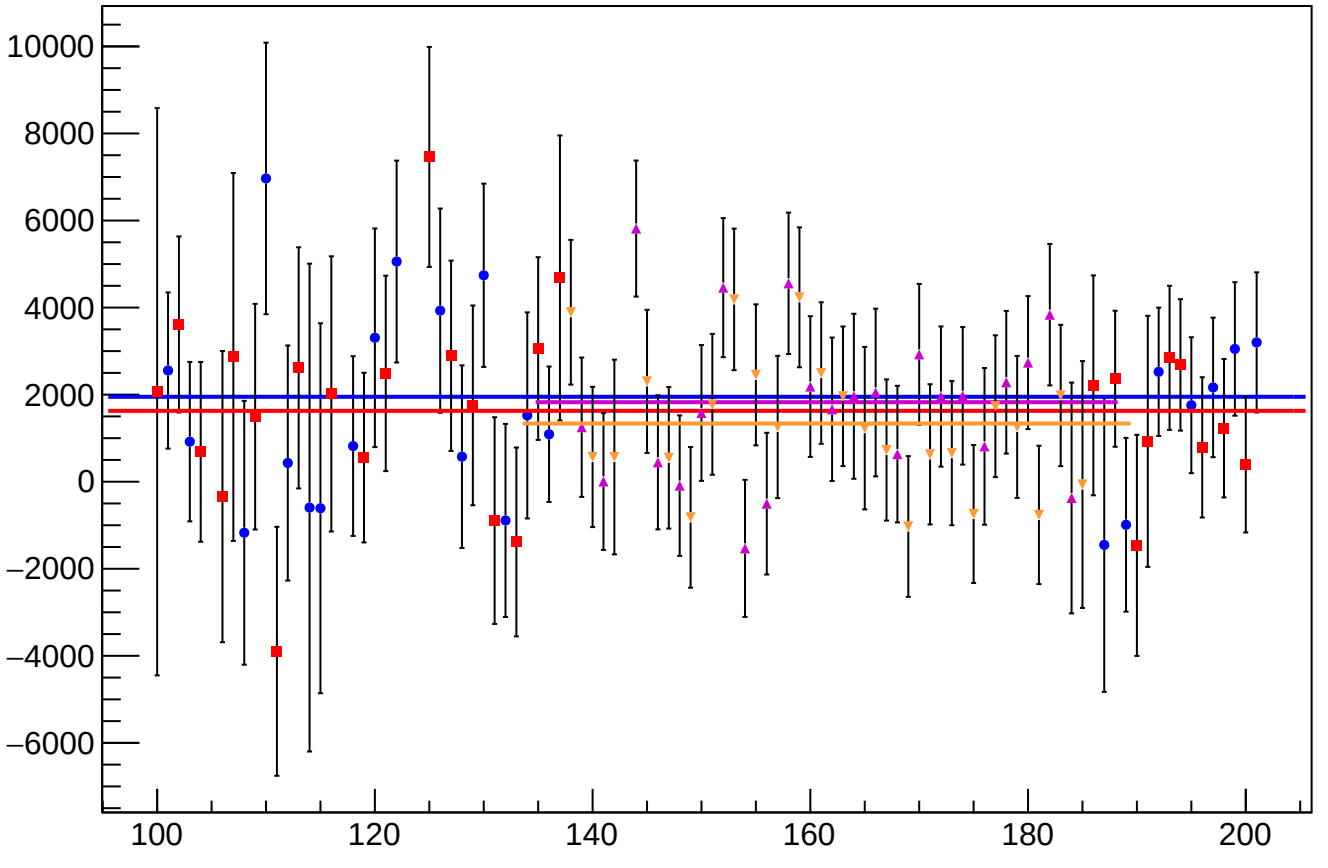
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14974166.5/50

In: 0.000+/-0.000 χ^2/NDF:13197849.3/45

Out: 0.000+/-0.000 χ^2/NDF:17895832.5/52

All: 0.000+/-0.000 χ^2/NDF: 31121356.8/98



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: 1628.000+/-418.250 χ^2/NDF: 19.8/26

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

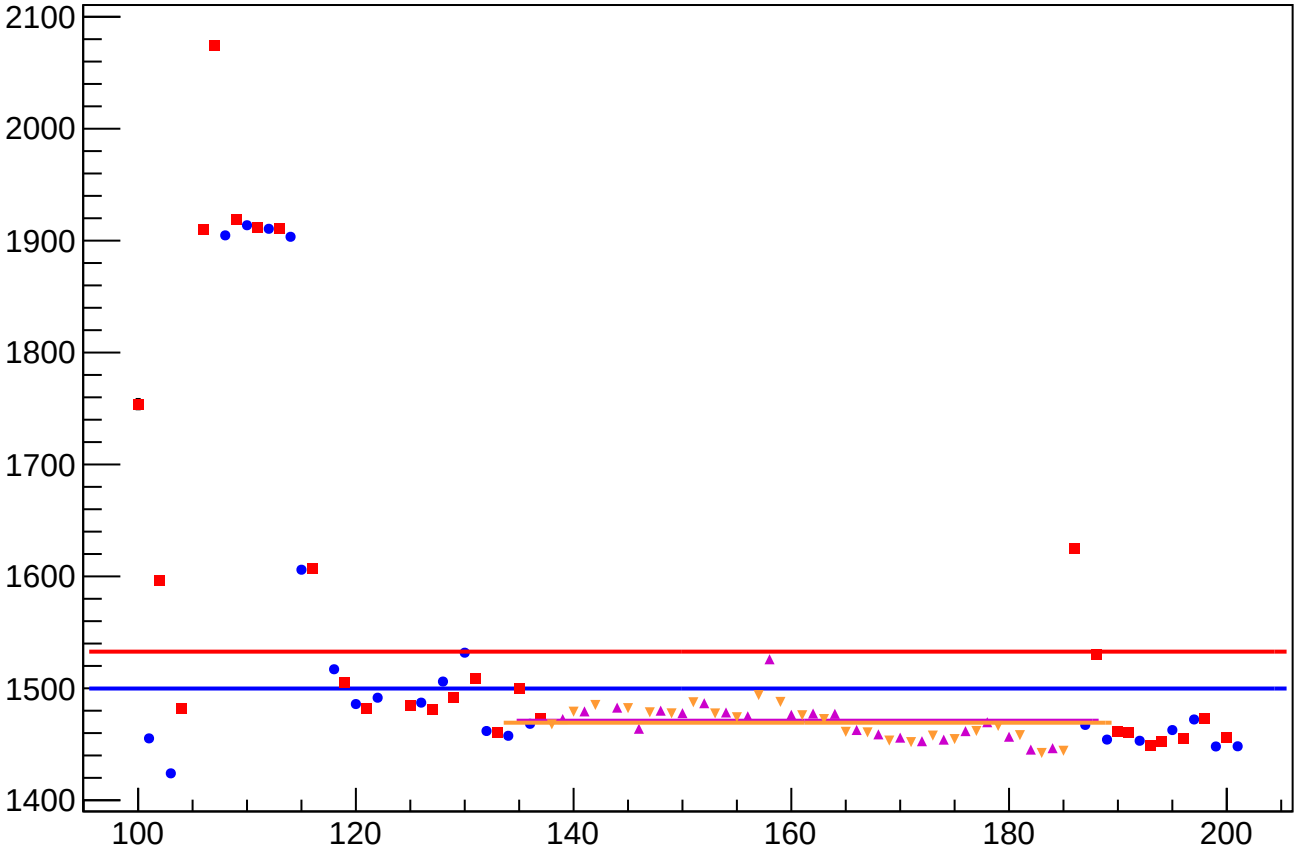
Right: 1785.813+/-299.081 χ^2/NDF: 36.8/49

In: 1875.334+/-267.845 χ^2/NDF:43.2/45

Out: 1453.205+/-264.298 χ^2/NDF:39.3/50

All: 1661.456+/-188.129 χ^2/NDF: 83.8/96

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: 1532.769+/-0.296 χ^2/NDF: 217807.0/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

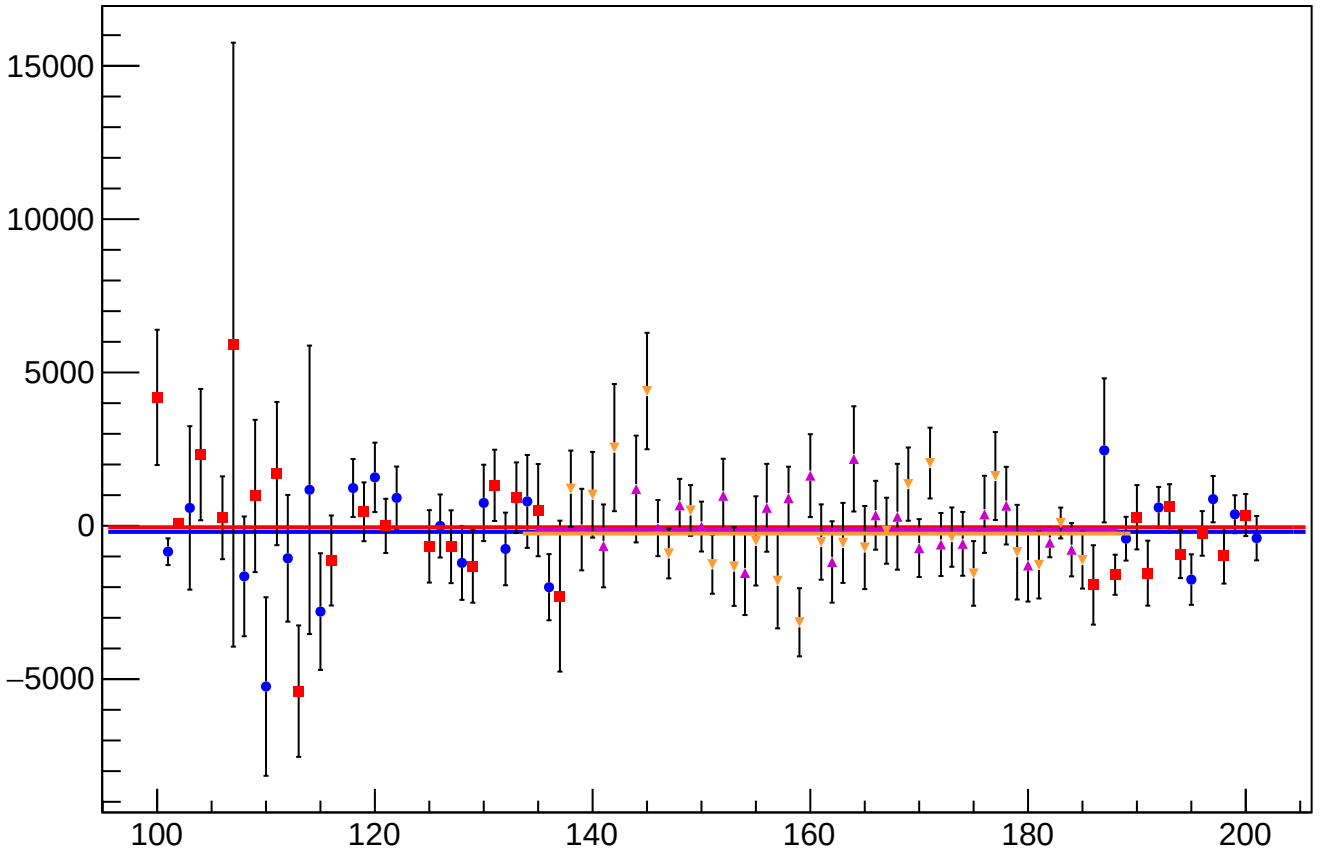
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1516.666+/-0.211 χ^2/NDF: 369482.9/49

In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

Out: 1494.624+/-0.187 χ^2/NDF:248656.4/50

All: 1488.557+/-0.133 χ^2/NDF: 406539.9/96



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: -46.975+/-115.590 χ^2/NDF: 31.9/26

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

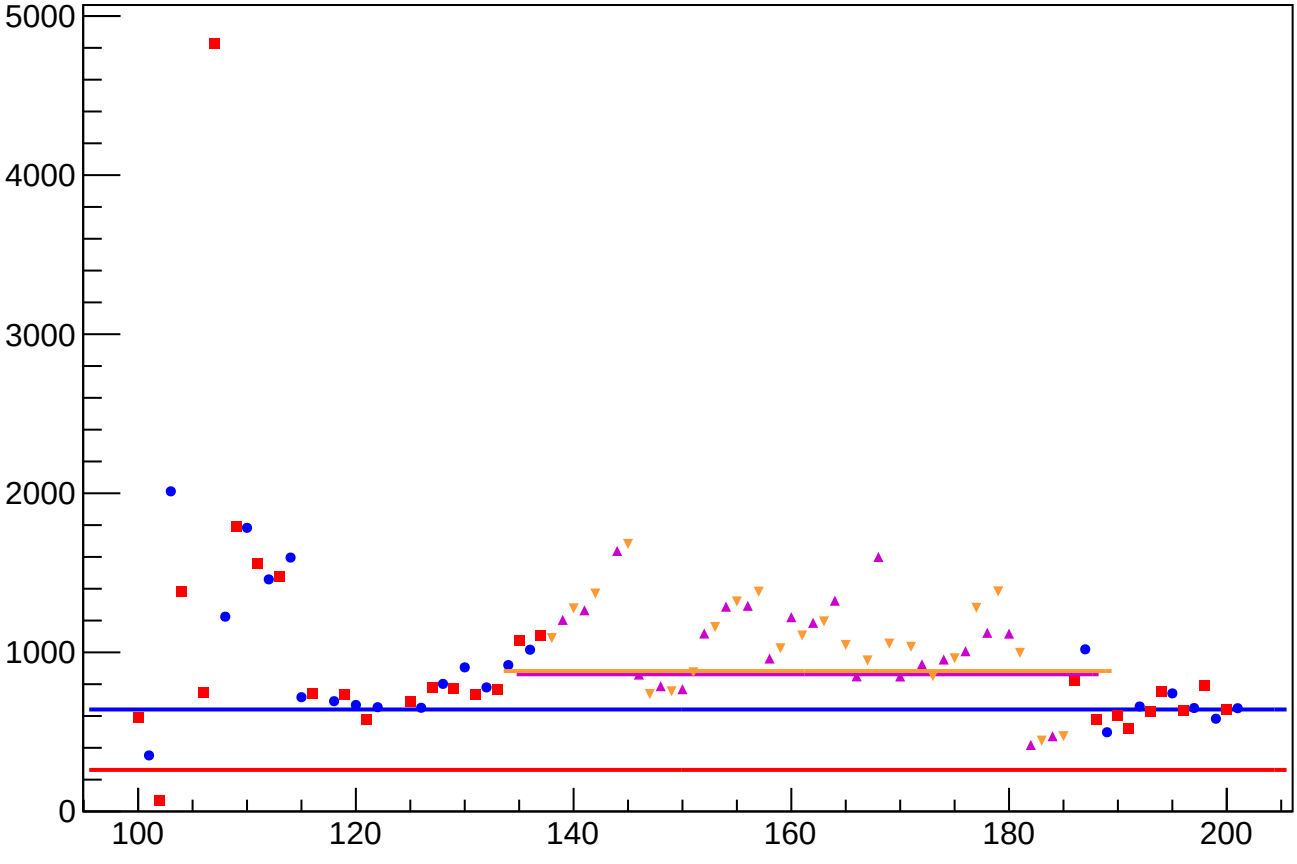
Right: -85.402+/-99.775 χ^2/NDF: 60.3/49

In: -162.213+/-145.795 χ^2/NDF:40.8/45

Out: -91.763+/-102.160 χ^2/NDF:65.3/50

All: -114.963+/-83.665 χ^2/NDF: 106.3/96

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: 261.140+/-0.082 χ^2/NDF: 14989670.4/26

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

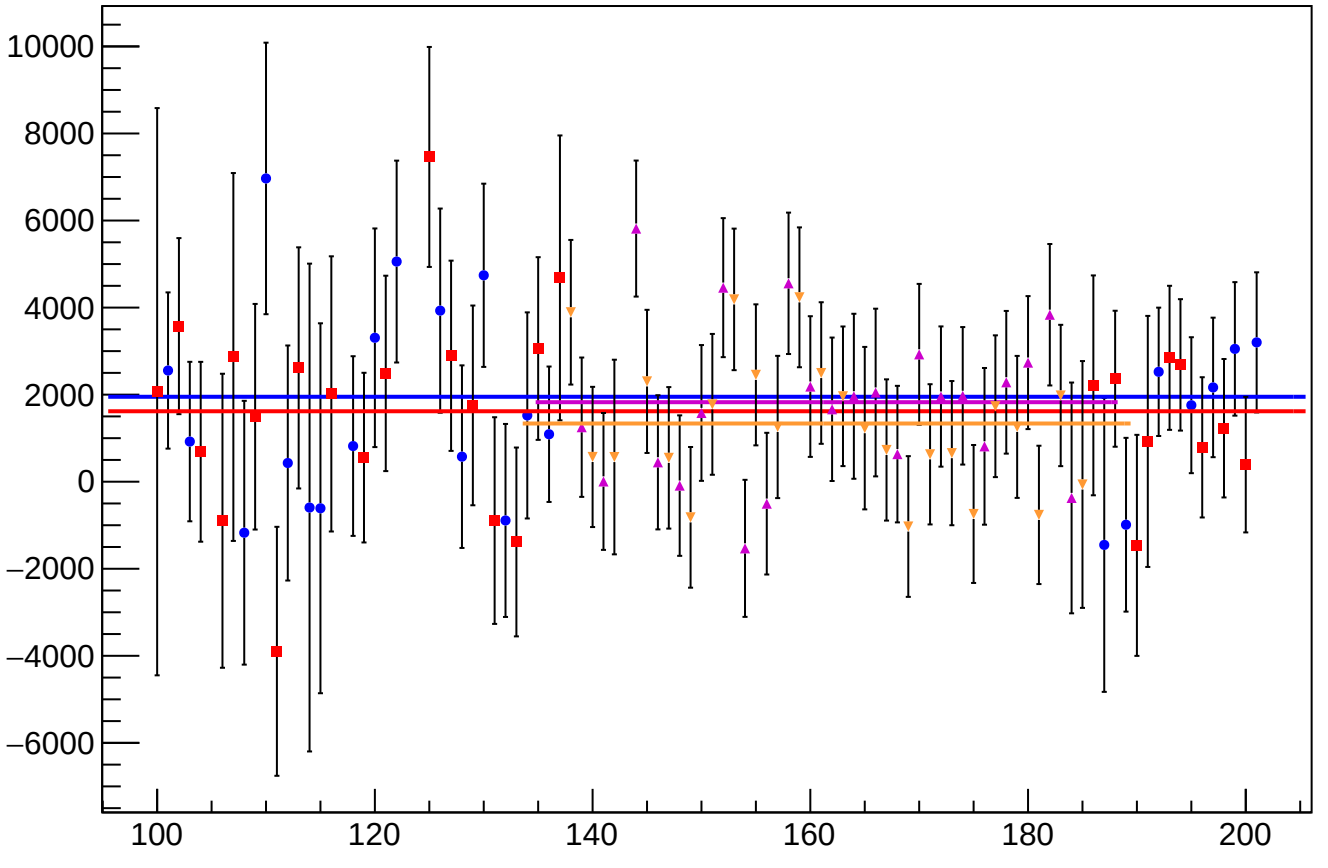
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 357.973+/-0.071 χ^2/NDF: 23443669.7/49

In: 741.848+/-0.103 χ^2/NDF:8460244.7/45

Out: 397.120+/-0.072 χ^2/NDF:31537160.2/50

All: 510.641+/-0.059 χ^2/NDF: 47496690.5/96



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: 1618.463+/-418.315 χ^2/NDF: 20.0/26

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

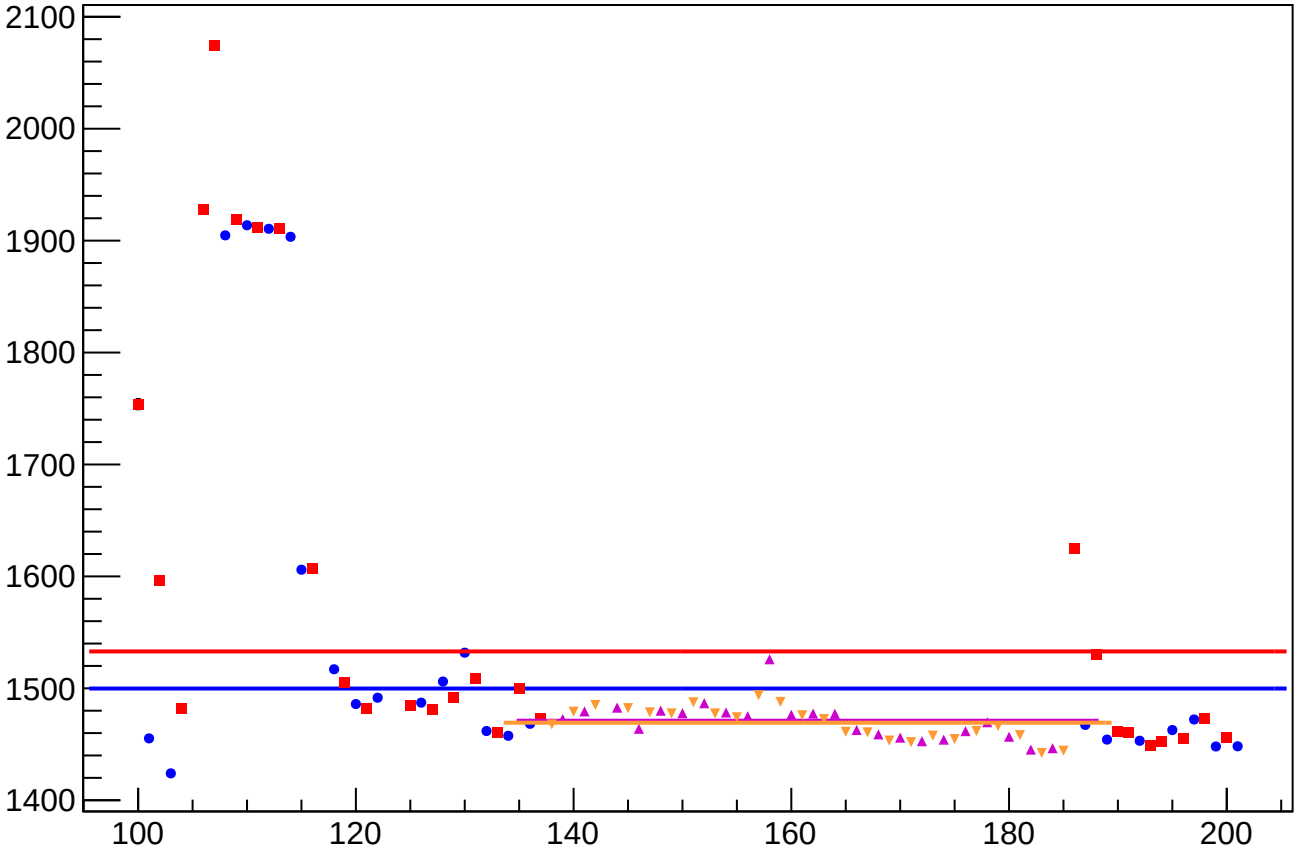
Right: 1781.026+/-299.105 χ^2/NDF: 37.0/49

In: 1875.412+/-267.845 χ^2/NDF:43.2/45

Out: 1449.382+/-264.314 χ^2/NDF:39.4/50

All: 1659.570+/-188.134 χ^2/NDF: 84.0/96

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: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

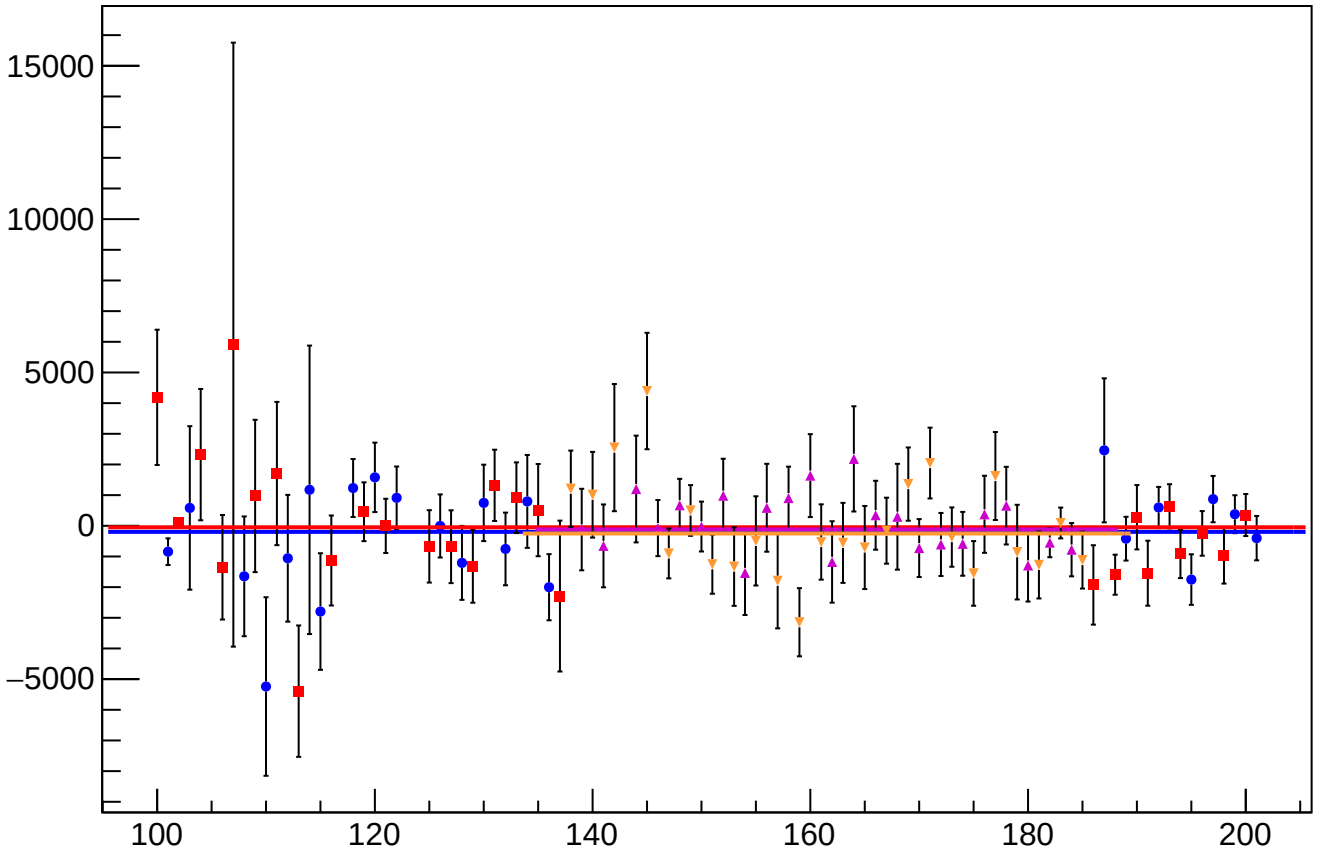
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1516.754+/-0.211 χ^2/NDF: 371557.9/49

In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

Out: 1494.690+/-0.187 χ^2/NDF:250816.3/50

All: 1488.590+/-0.133 χ^2/NDF: 408722.6/96



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: -48.131+/-123.158 χ^2/NDF: 32.7/26

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

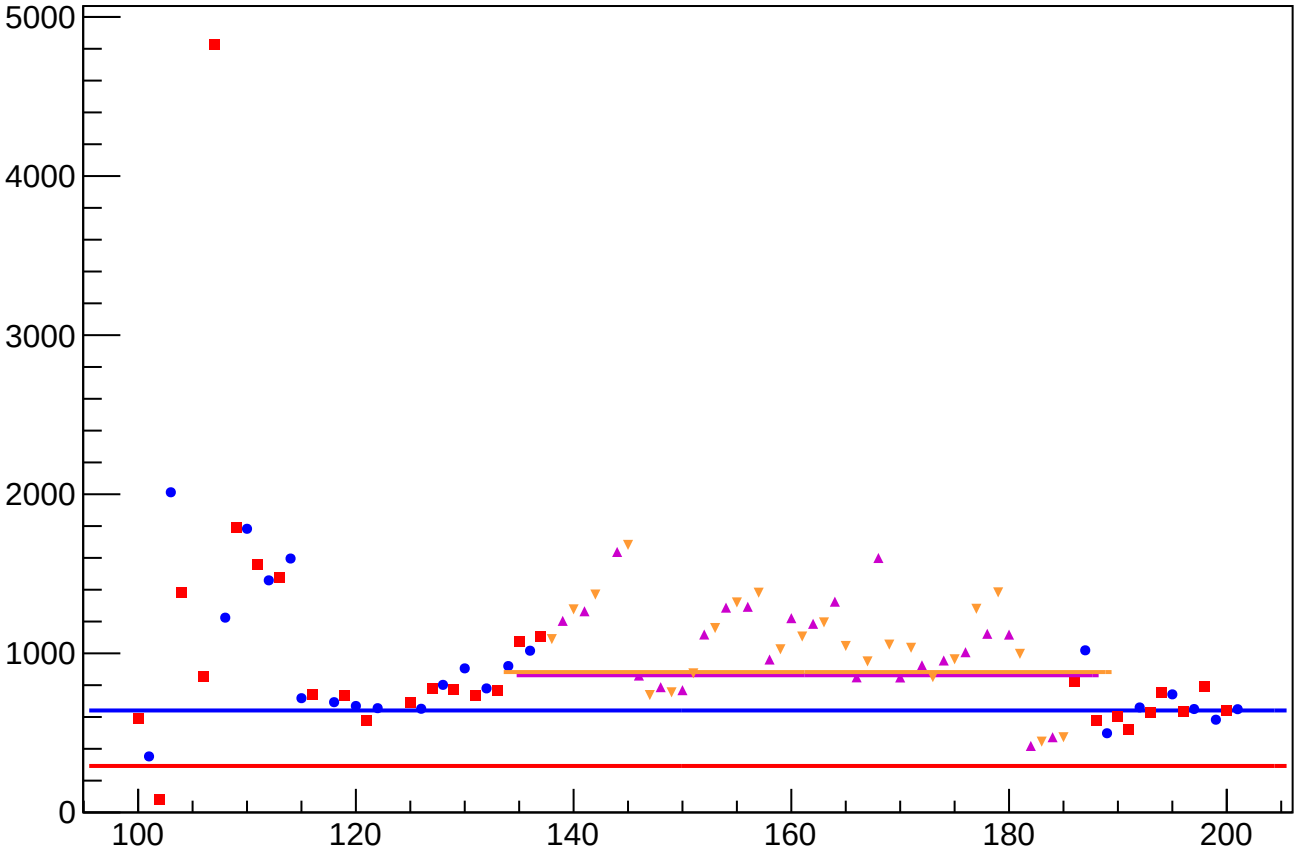
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -89.937+/-104.522 χ^2/NDF: 61.1/49

In: -162.153+/-145.795 χ^2/NDF:40.8/45

Out: -97.230+/-107.273 χ^2/NDF:66.1/50

All: -120.033+/-86.405 χ^2/NDF: 107.0/96



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: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

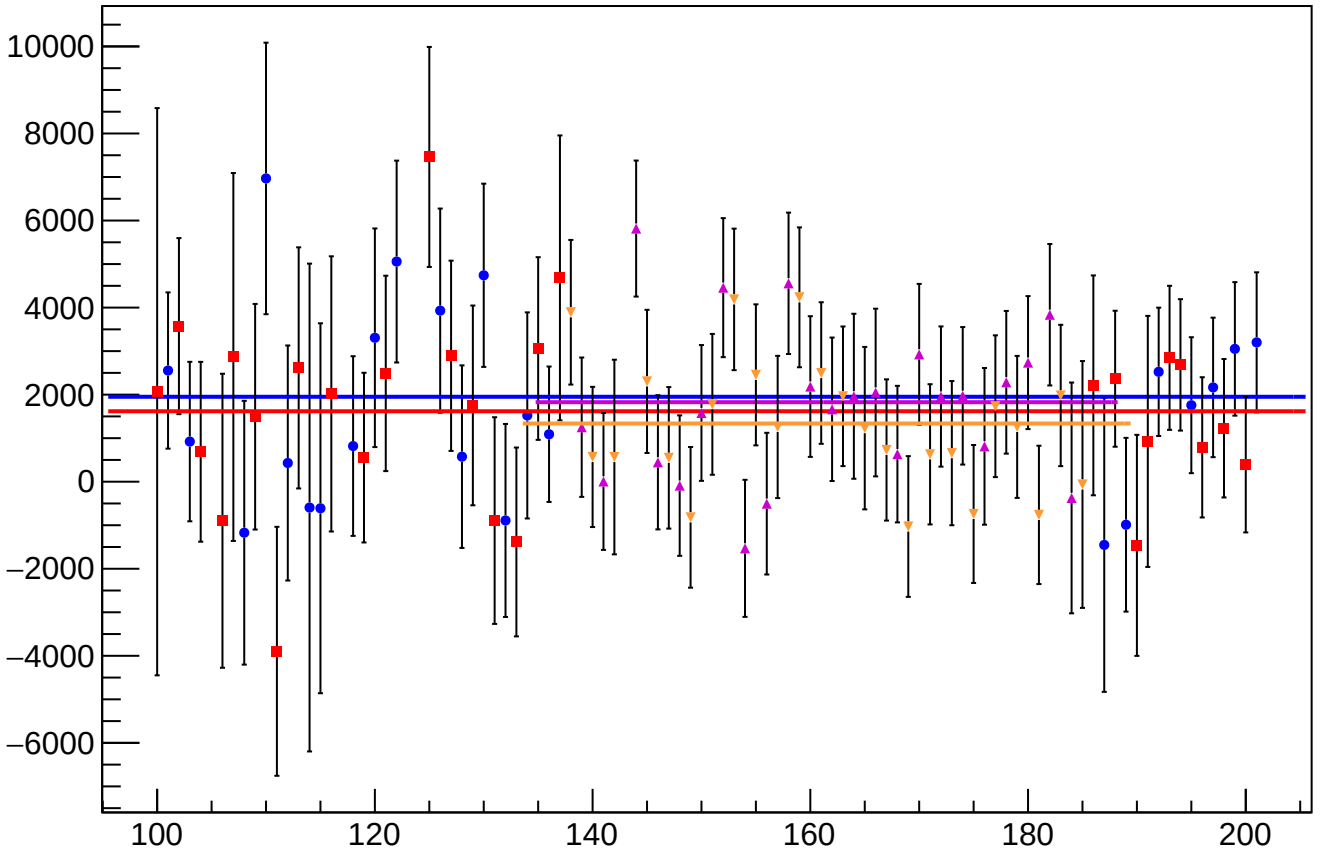
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 389.801+/-0.074 χ^2/NDF: 21308747.0/49

In: 741.848+/-0.103 χ^2/NDF:8460330.2/45

Out: 434.661+/-0.076 χ^2/NDF:28859225.9/50

All: 542.553+/-0.061 χ^2/NDF: 43079782.4/96



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: 1618.463+/-418.315 χ^2/NDF: 20.0/26

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

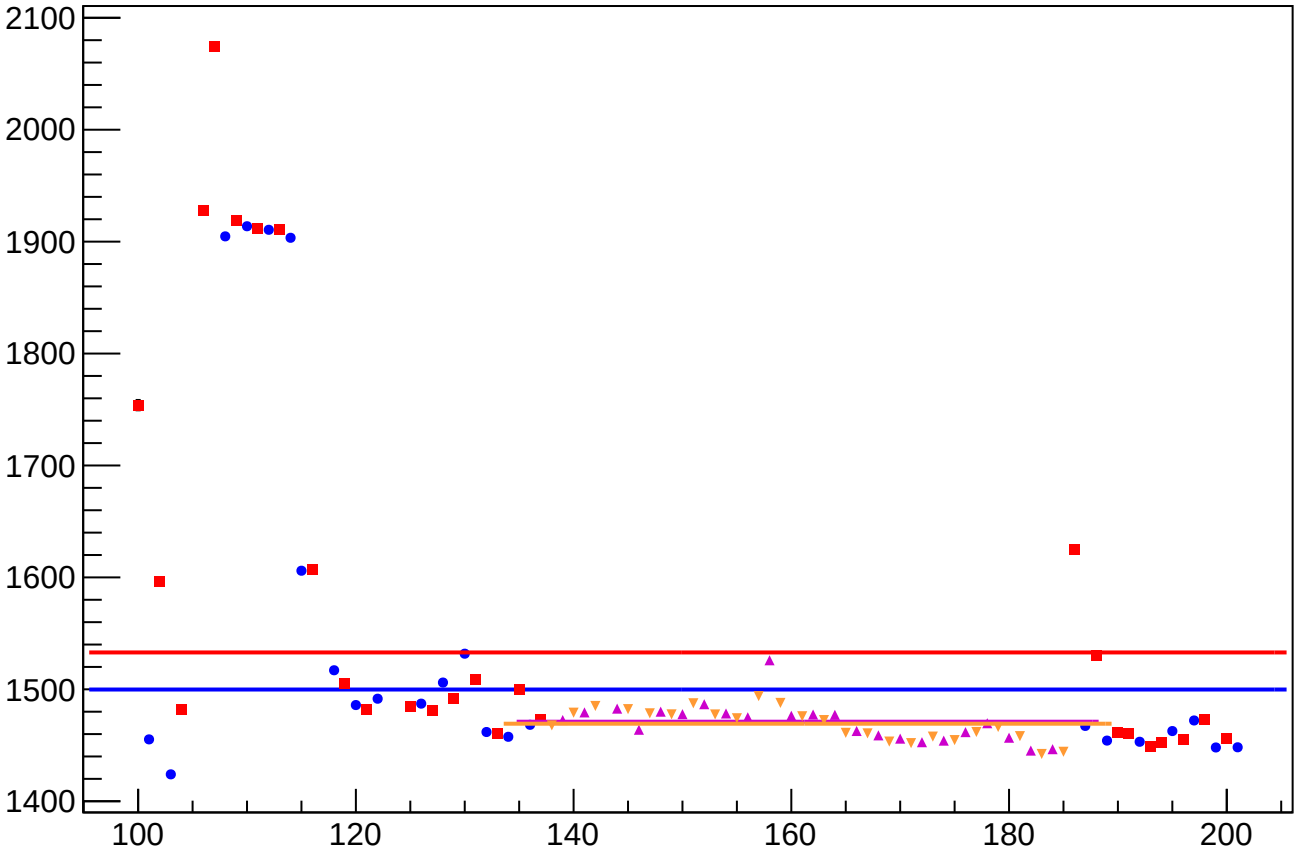
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1781.026+/-299.105 χ^2/NDF: 37.0/49

In: 1875.412+/-267.845 χ^2/NDF:43.2/45

Out: 1449.382+/-264.314 χ^2/NDF:39.4/50

All: 1659.570+/-188.134 χ^2/NDF: 84.0/96



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: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

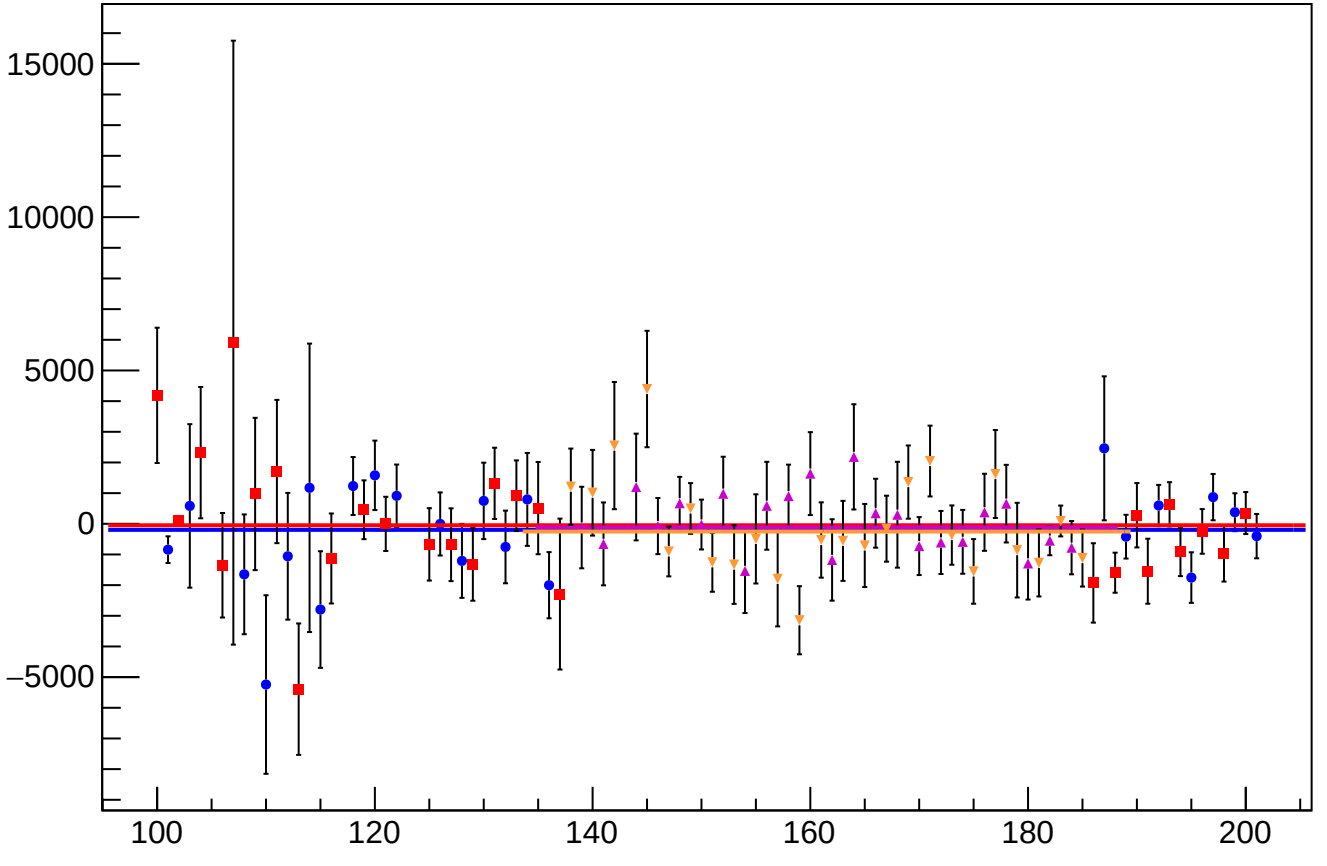
Right: 1516.754+/-0.211 χ^2/NDF: 371557.9/49

In: 1482.326+/-0.189 χ^2/NDF:155747.3/45

Out: 1494.690+/-0.187 χ^2/NDF:250816.3/50

All: 1488.590+/-0.133 χ^2/NDF: 408722.6/96

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: -48.131+/-123.158 χ^2/NDF: 32.7/26

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

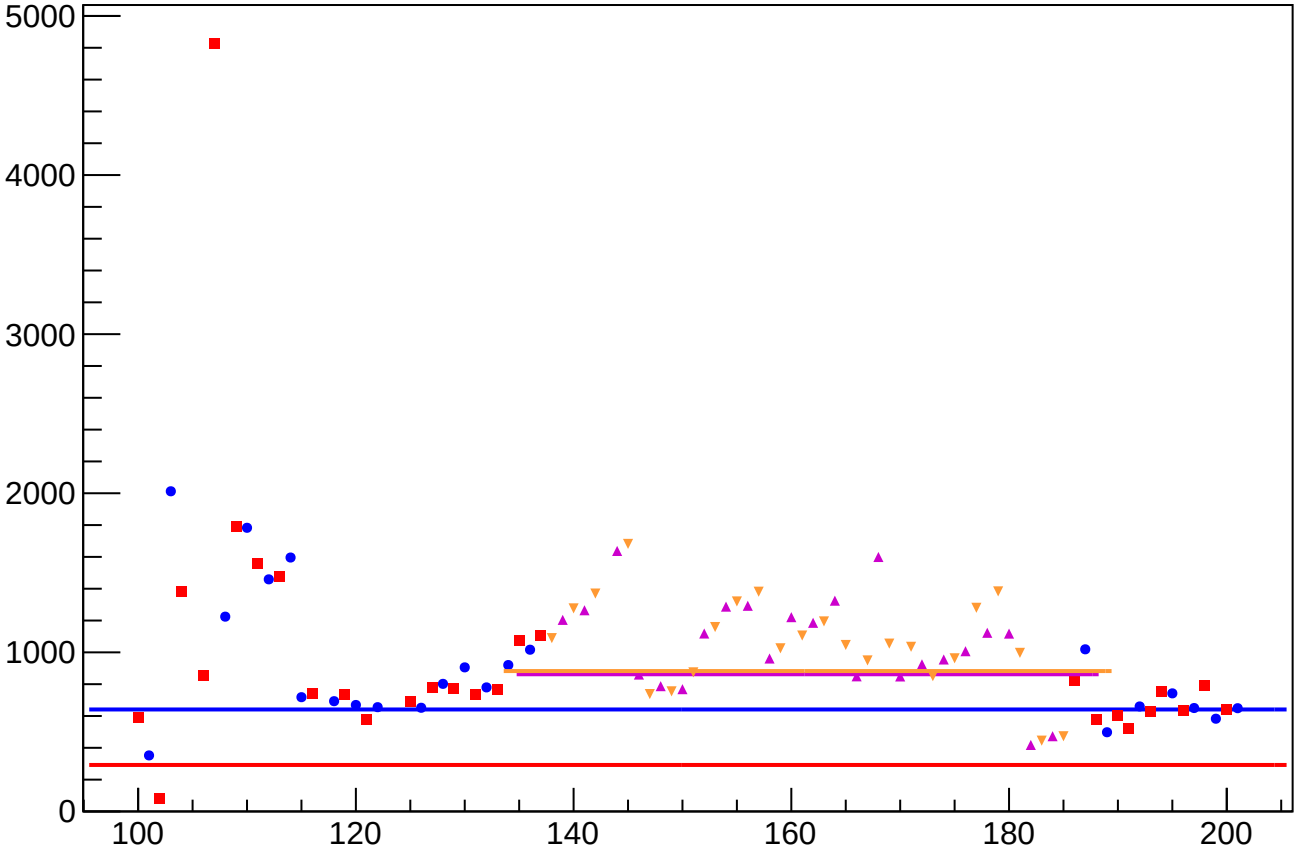
Right: -89.937+/-104.522 χ^2/NDF: 61.1/49

In: -162.153+/-145.795 χ^2/NDF:40.8/45

Out: -97.230+/-107.273 χ^2/NDF:66.1/50

All: -120.033+/-86.405 χ^2/NDF: 107.0/96

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: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

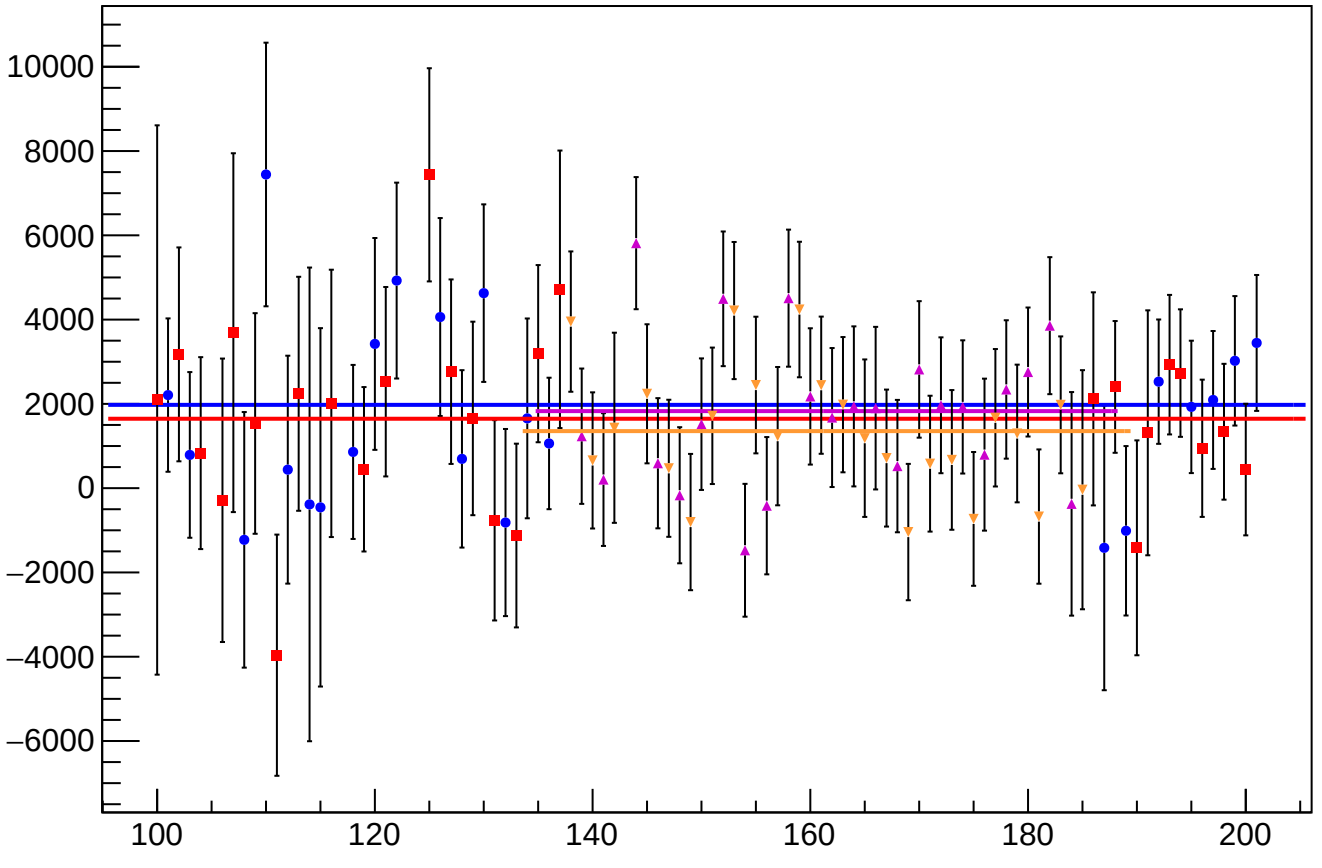
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 389.801+/-0.074 χ^2/NDF: 21308747.0/49

In: 741.848+/-0.103 χ^2/NDF:8460330.2/45

Out: 434.661+/-0.076 χ^2/NDF:28859225.9/50

All: 542.553+/-0.061 χ^2/NDF: 43079782.4/96



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: 1647.364+/-424.655 χ^2/NDF: 18.7/26

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

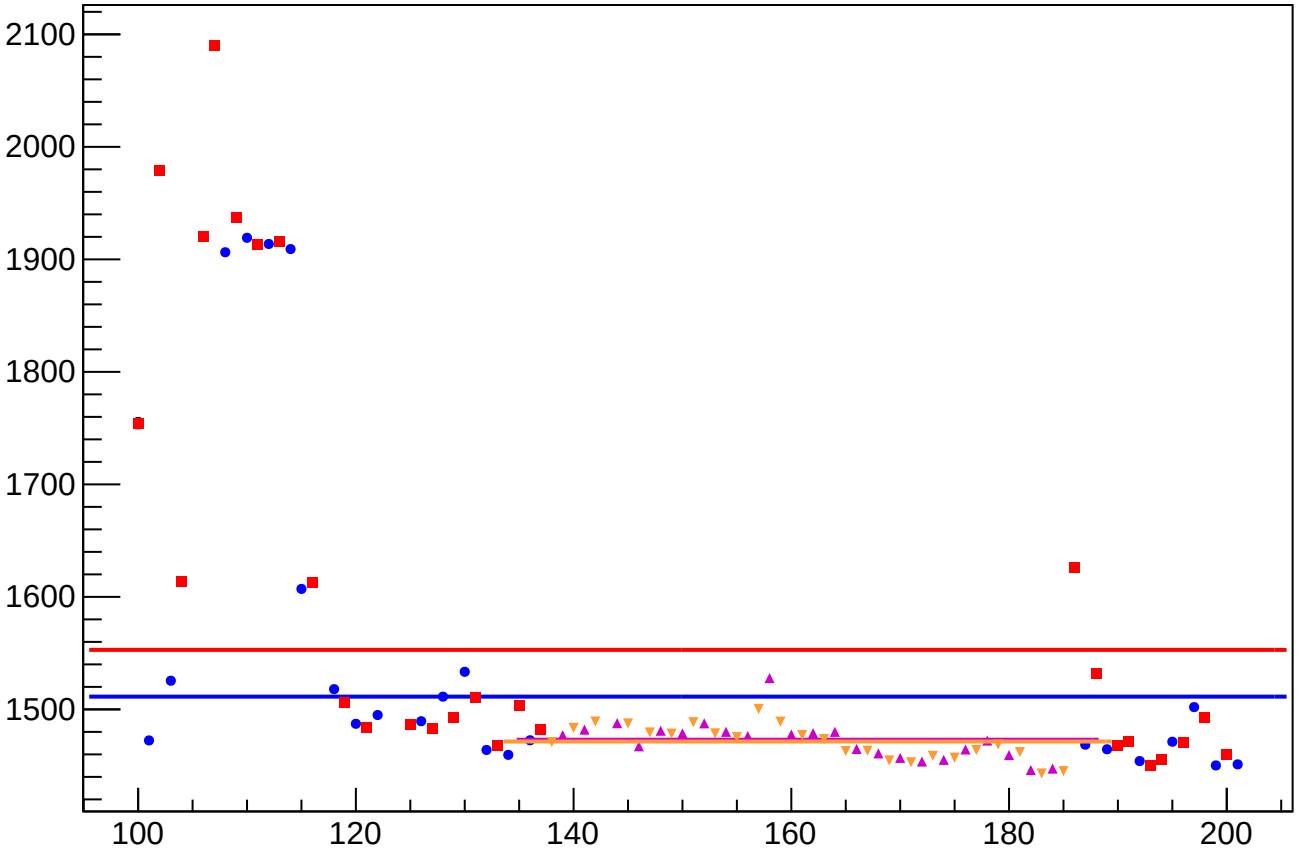
Right: 1809.604+/-302.560 χ^2/NDF: 36.0/49

In: 1886.045+/-268.885 χ^2/NDF:42.9/45

Out: 1469.050+/-266.156 χ^2/NDF:37.9/50

All: 1675.420+/-189.158 χ^2/NDF: 82.0/96

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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: 1552.896+/-0.300 χ^2/NDF: 275563.9/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

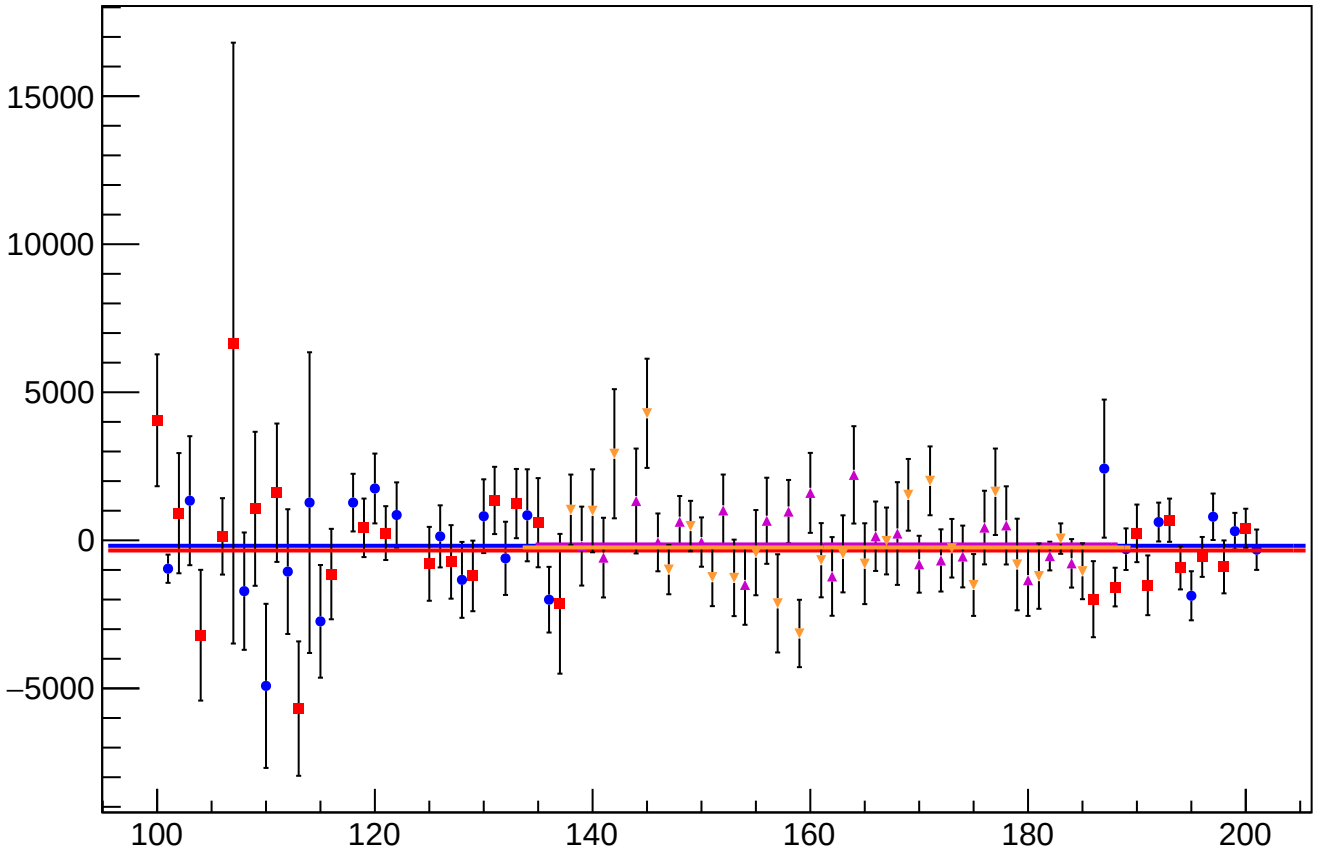
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1532.434+/-0.214 χ^2/NDF: 424770.4/49

In: 1487.938+/-0.190 χ^2/NDF:154164.8/45

Out: 1503.436+/-0.188 χ^2/NDF:323684.8/50

All: 1495.766+/-0.134 χ^2/NDF: 481205.6/96



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: -342.938+/-208.282 χ^2/NDF: 31.5/26

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

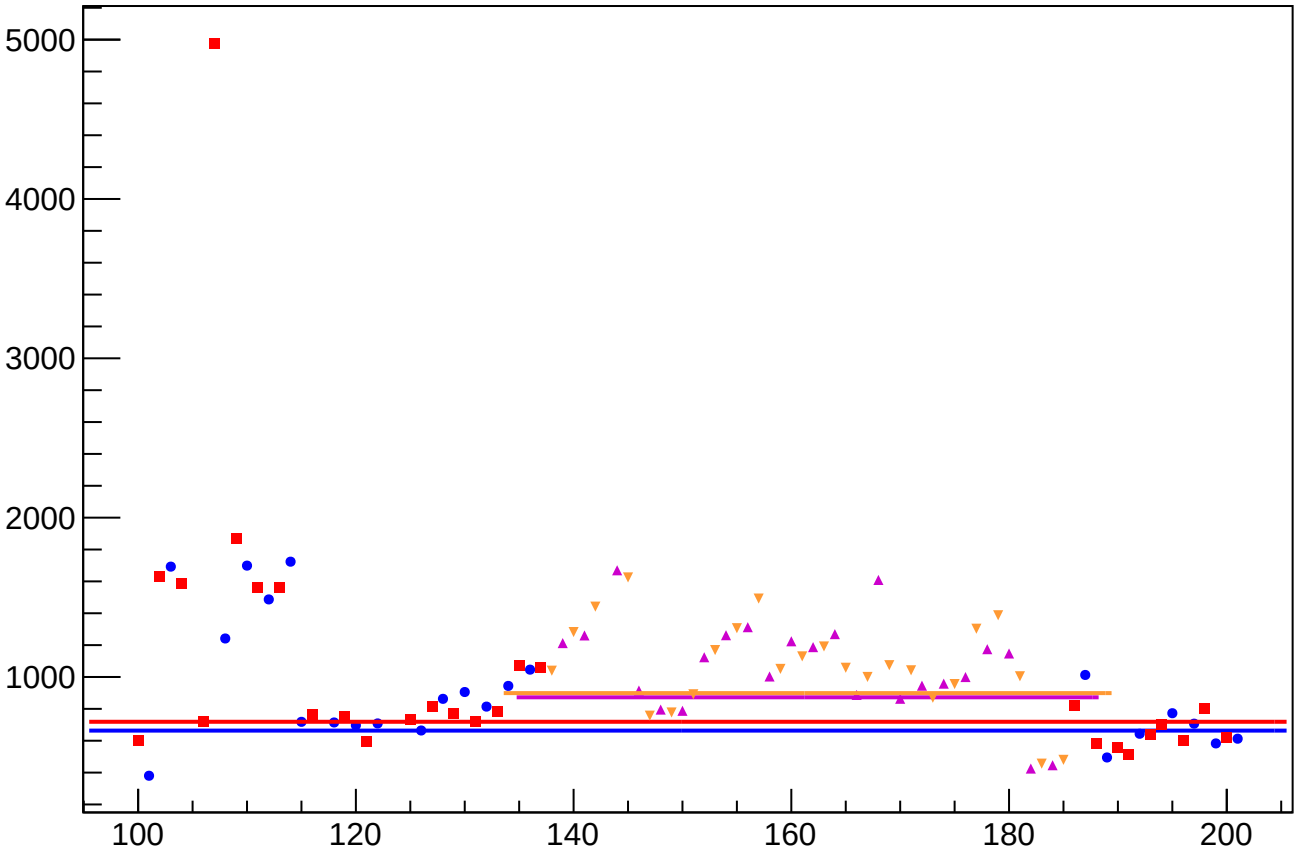
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

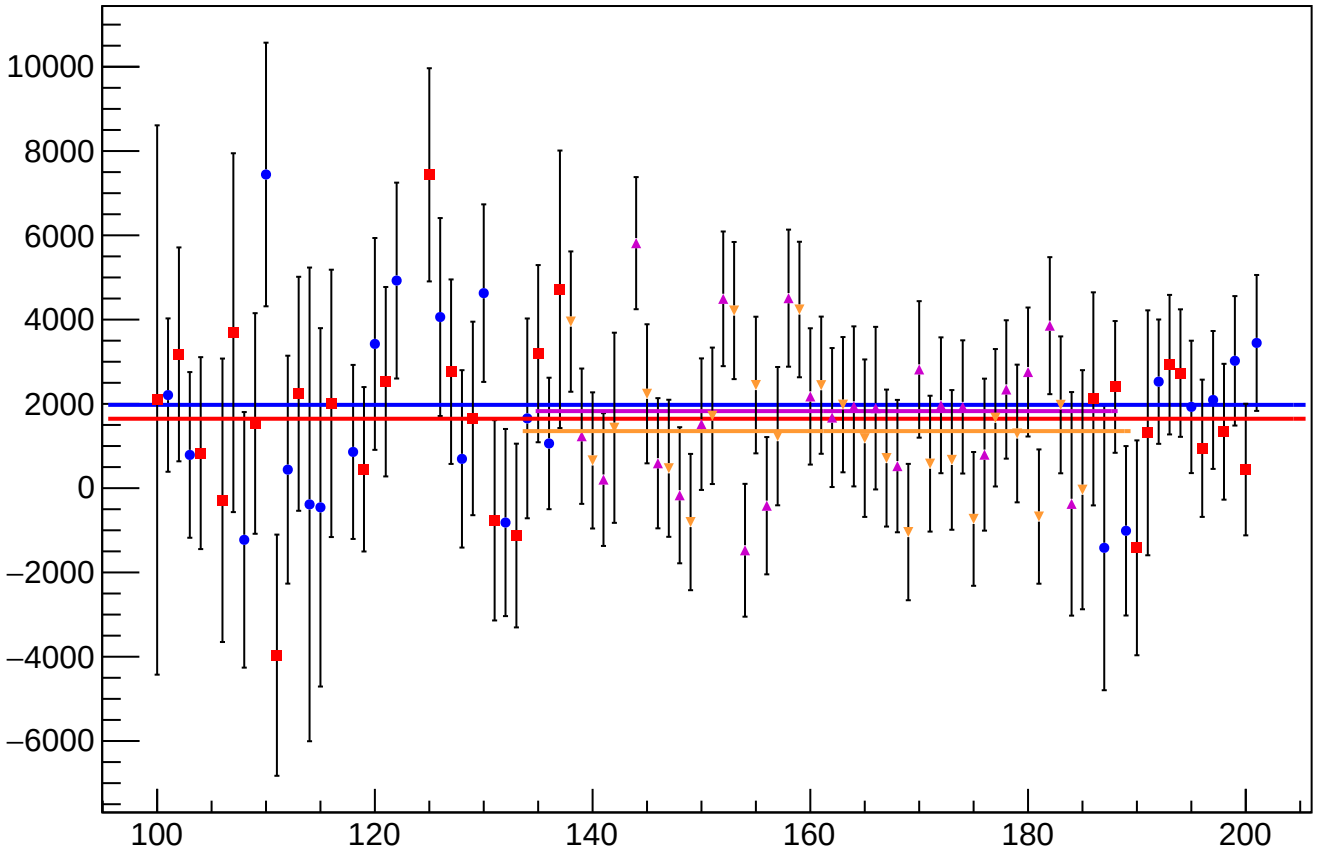
Right: -260.833+/-144.909 χ^2/NDF: 60.2/49

In: -162.918+/-148.216 χ^2/NDF:41.5/45

Out: -294.824+/-151.828 χ^2/NDF:64.0/50

All: -227.283+/-106.059 χ^2/NDF: 105.9/96


asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 663.504+/-0.143 χ²/NDF: 2711816.2/22
Left Out: 898.849+/-0.157 χ²/NDF:3791528.8/23
Right Out: 718.926+/-0.147 χ²/NDF: 2601936.4/26
Left In: 872.472+/-0.154 χ²/NDF:4435516.3/22
Left: 885.462+/-0.110 χ²/NDF: 8241401.5/46
Right: 690.331+/-0.102 χ²/NDF: 5386817.7/49
In: 759.678+/-0.105 χ²/NDF:8134939.1/45
Out: 803.243+/-0.107 χ²/NDF:7092865.6/50
All: 780.936+/-0.075 χ²/NDF: 15312120.9/96



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: 1647.363+/-424.655 χ^2/NDF: 18.7/26

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

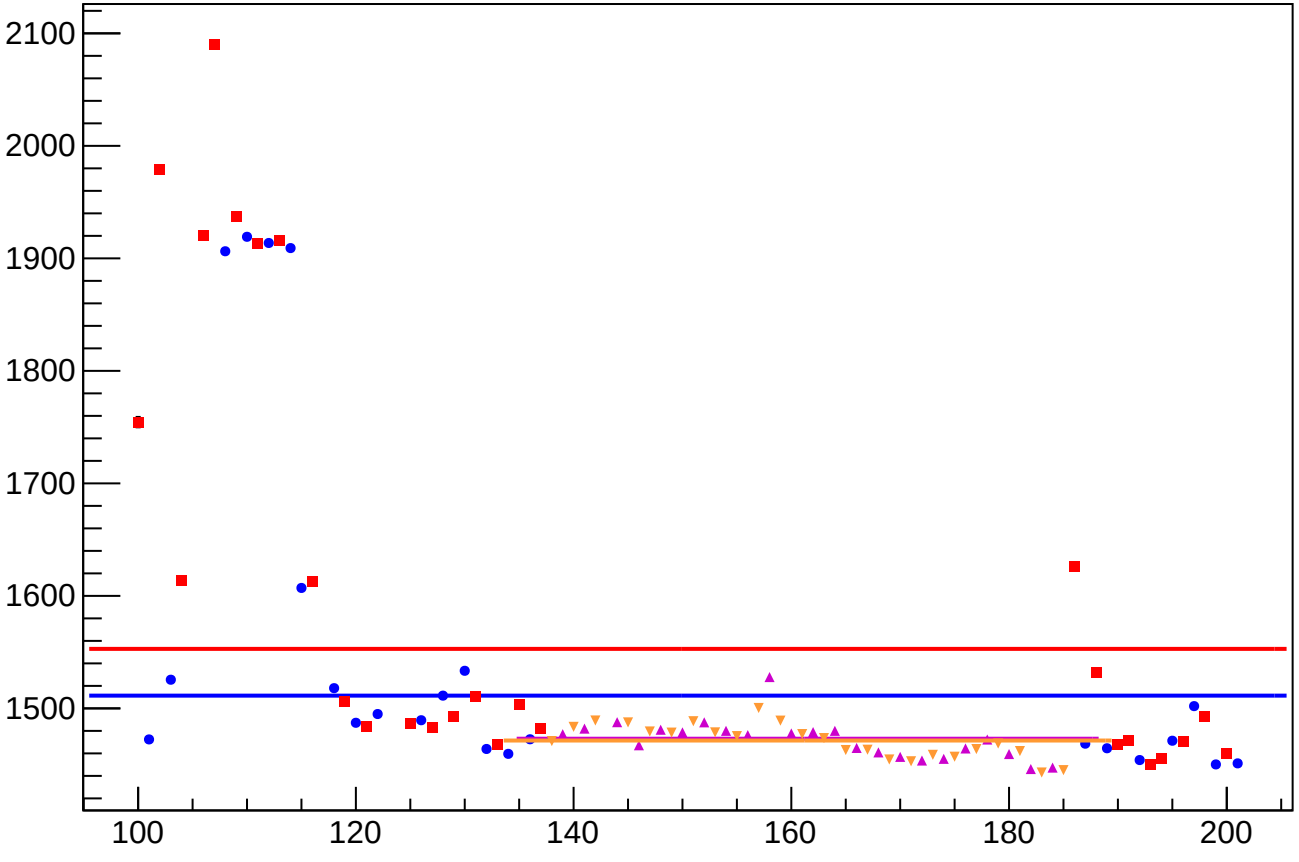
Right: 1809.603+/-302.560 χ^2/NDF: 36.0/49

In: 1886.045+/-268.885 χ^2/NDF:42.9/45

Out: 1469.049+/-266.156 χ^2/NDF:37.9/50

All: 1675.420+/-189.158 χ^2/NDF: 82.0/96

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: 1552.896+/-0.300 χ^2/NDF: 275563.5/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

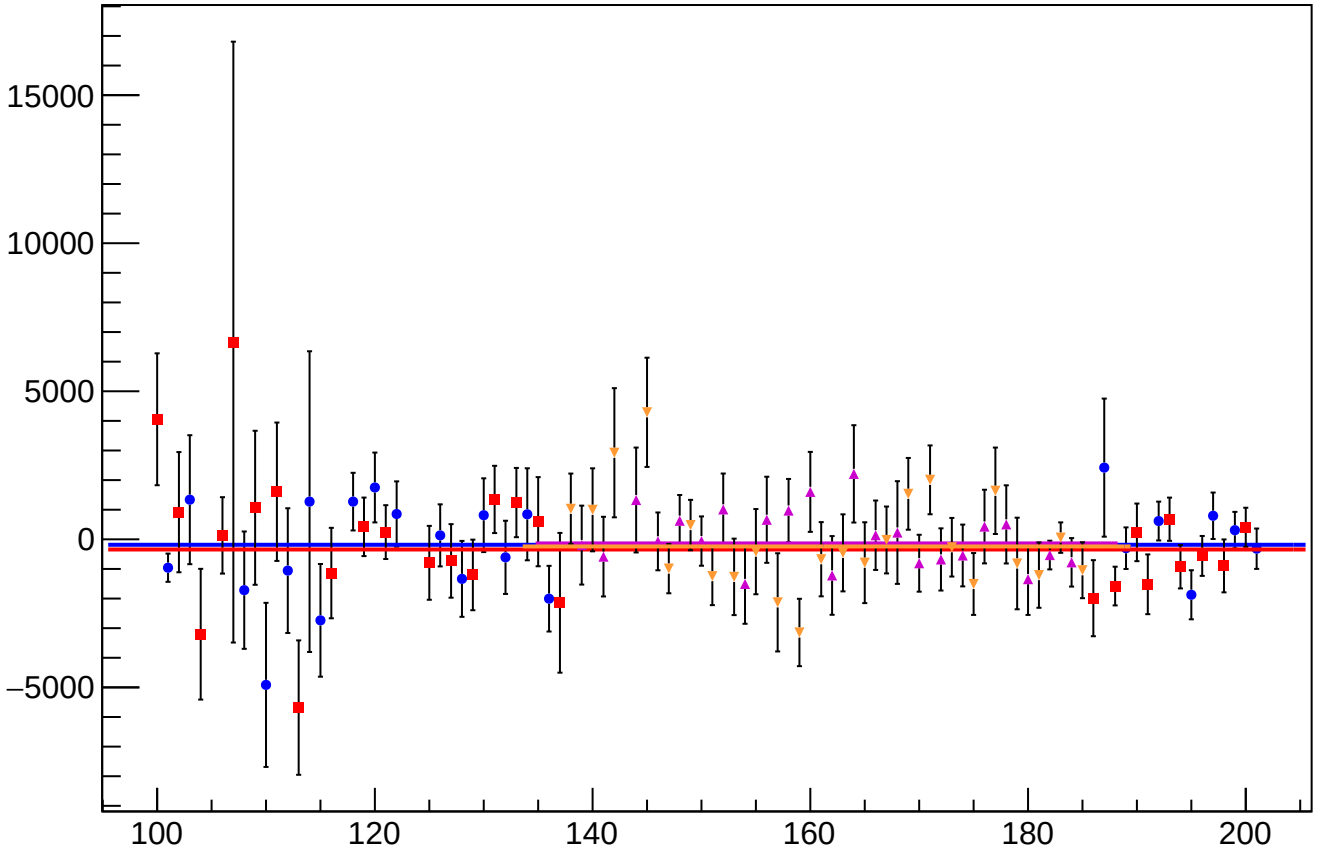
Right: 1532.434+/-0.214 χ^2/NDF: 424770.0/49

In: 1487.938+/-0.190 χ^2/NDF:154164.7/45

Out: 1503.436+/-0.188 χ^2/NDF:323684.3/50

All: 1495.766+/-0.134 χ^2/NDF: 481205.0/96

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -183.805+/-201.740 χ^2/NDF: 28.5/22

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -342.938+/-208.282 χ^2/NDF: 31.5/26

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

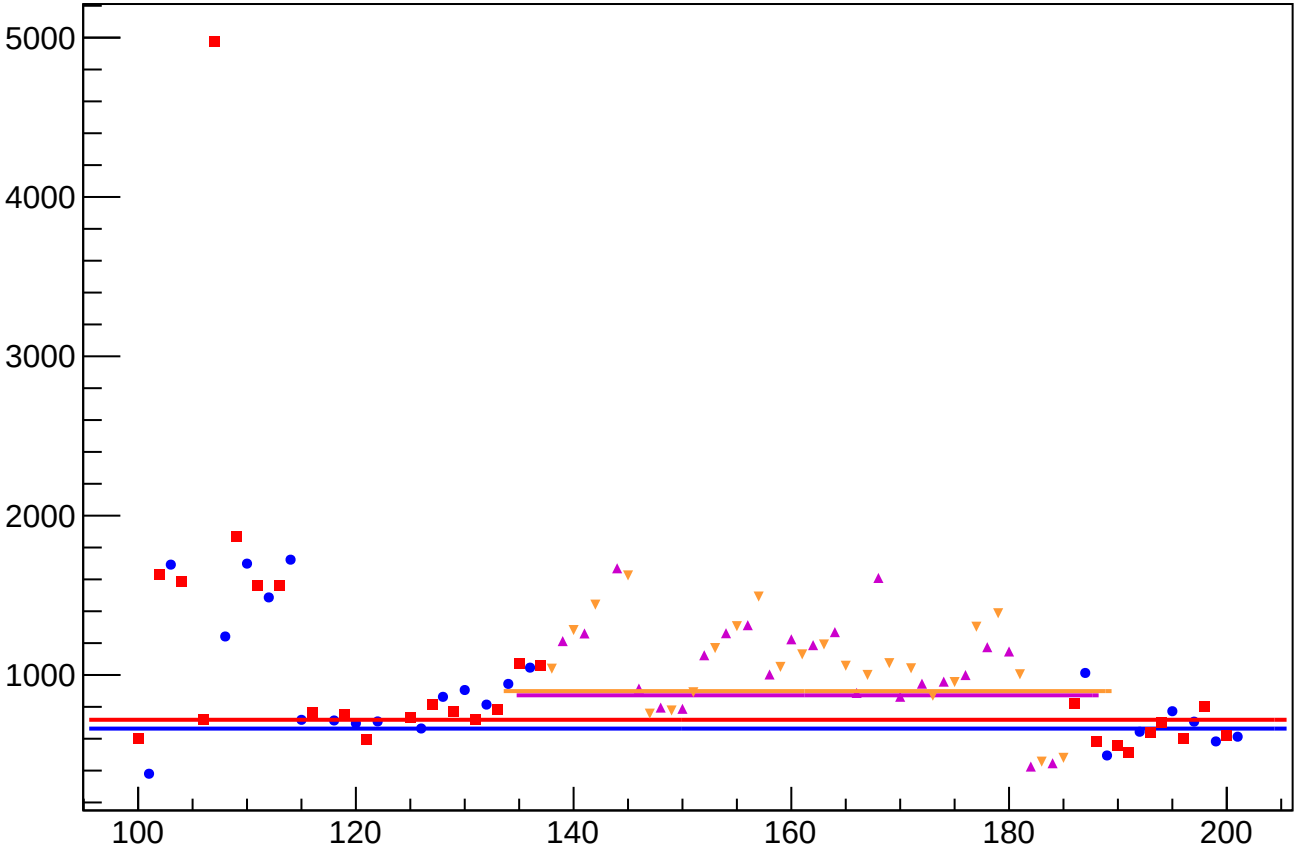
Right: -260.833+/-144.909 χ^2/NDF: 60.2/49

In: -162.918+/-148.216 χ^2/NDF:41.5/45

Out: -294.824+/-151.828 χ^2/NDF:64.0/50

All: -227.284+/-106.059 χ^2/NDF: 105.9/96

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: 718.926+/-0.147 χ^2/NDF: 2601937.8/26

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

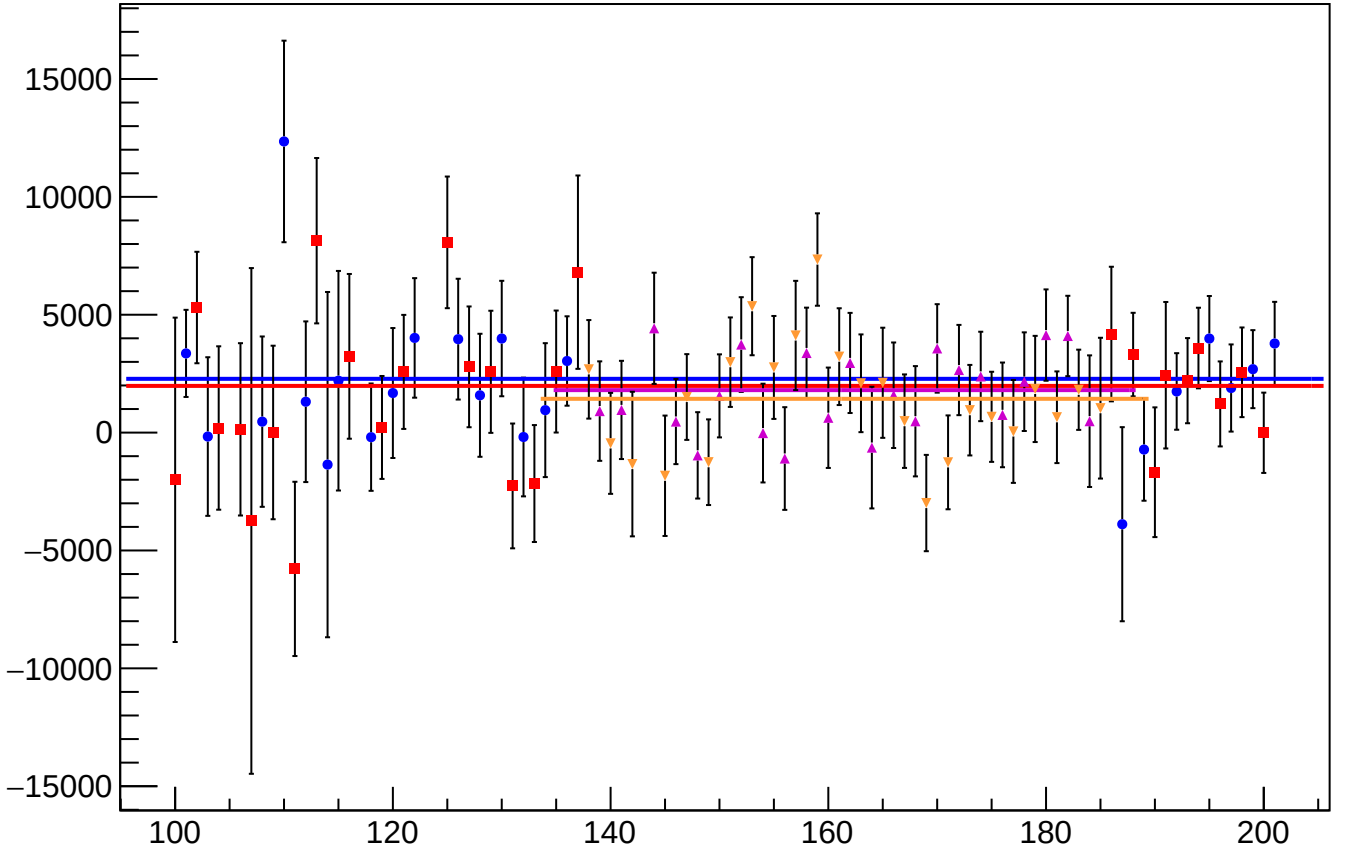
Right: 690.331+/-0.102 χ^2/NDF: 5386810.4/49

In: 759.678+/-0.105 χ^2/NDF:8134944.4/45

Out: 803.243+/-0.107 χ^2/NDF:7092883.2/50

All: 780.936+/-0.075 χ^2/NDF: 15312142.7/96

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1981.087+/-484.715 χ^2/NDF: 28.9/26

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

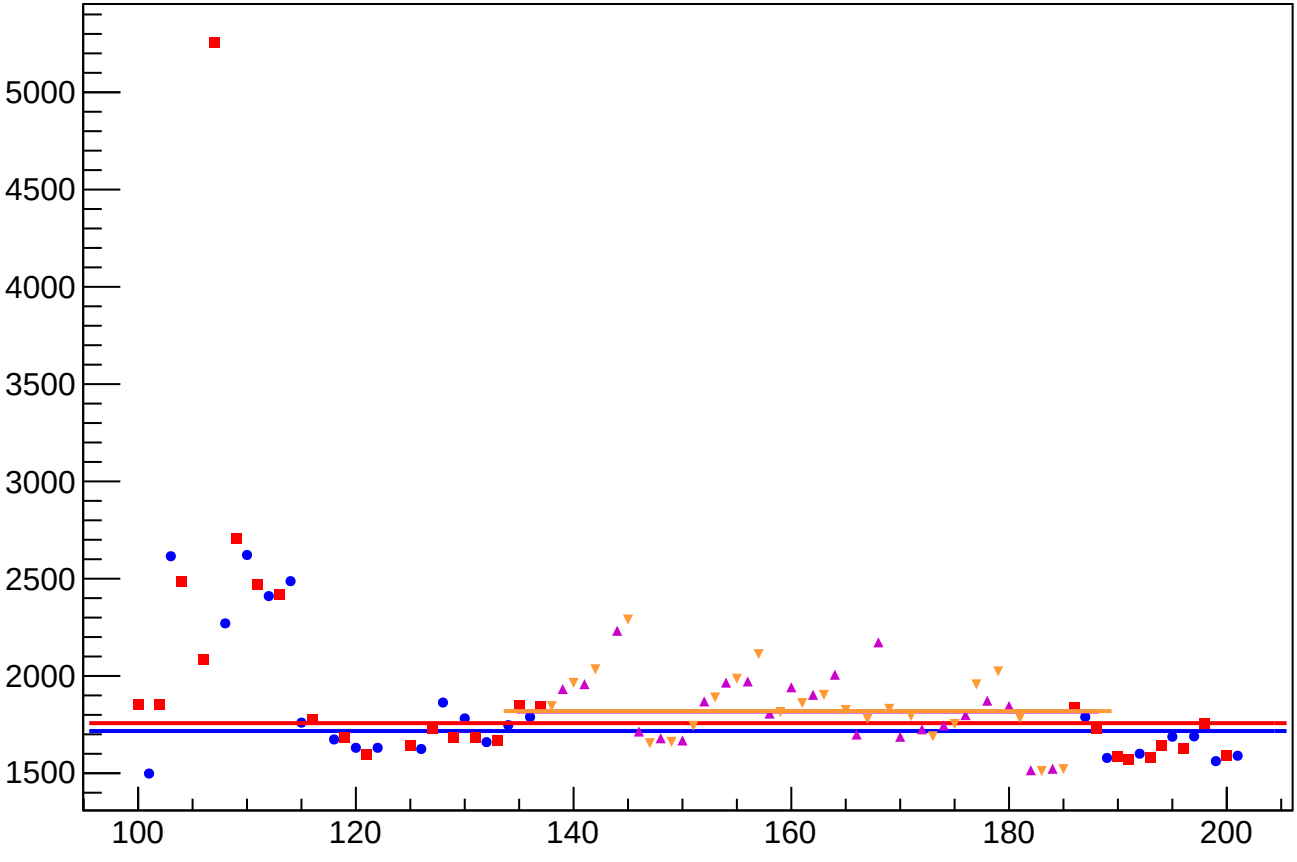
Right: 2128.515+/-345.830 χ^2/NDF: 46.1/49

In: 2006.660+/-322.698 χ^2/NDF:32.8/45

Out: 1671.059+/-319.332 χ^2/NDF:59.0/50

All: 1837.100+/-226.983 χ^2/NDF: 92.4/96

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: 1757.507+/-0.343 χ^2/NDF: 698727.8/26

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

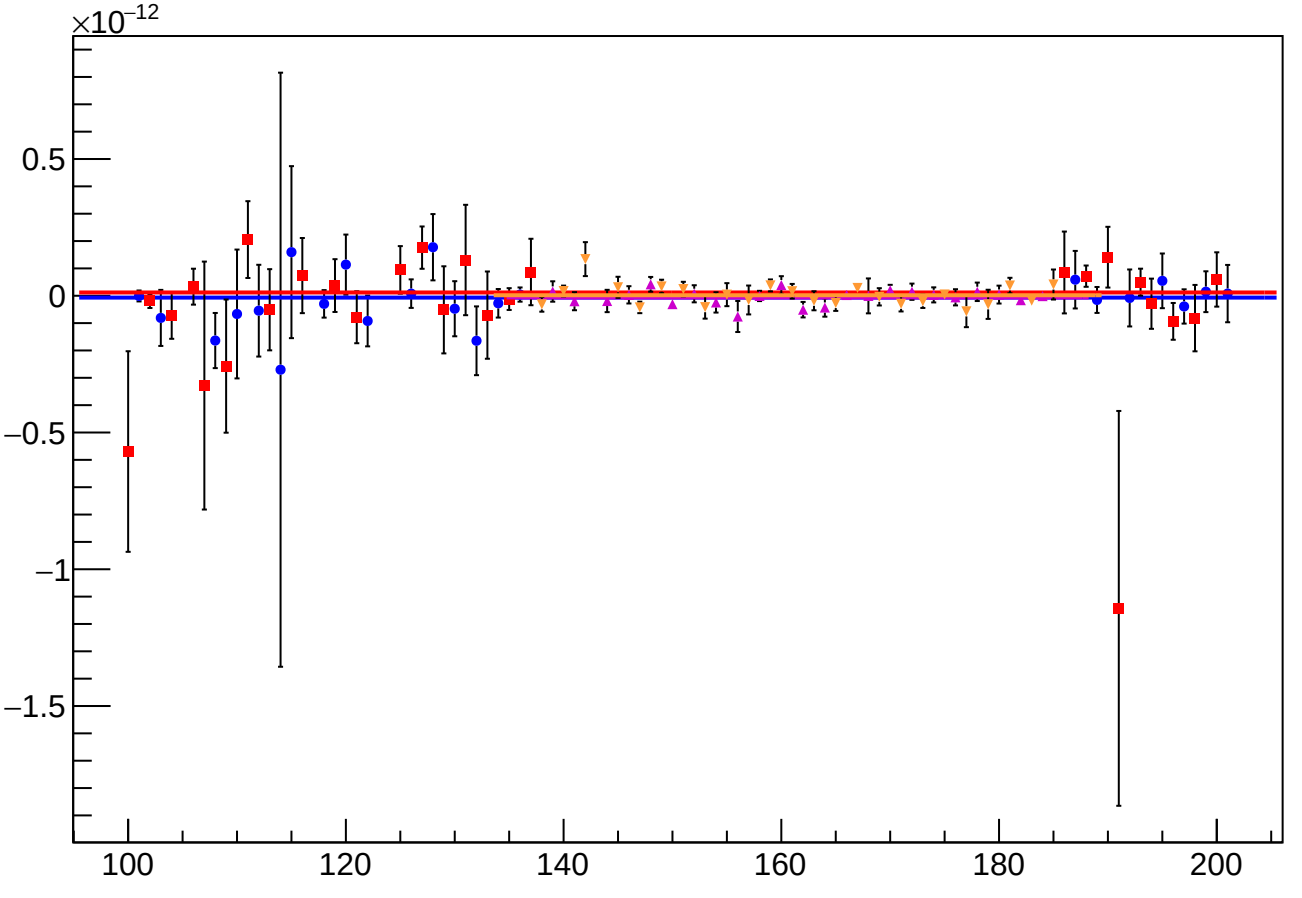
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1737.593+/-0.245 χ^2/NDF: 1185155.3/49

In: 1774.309+/-0.228 χ^2/NDF:833844.4/45

Out: 1792.547+/-0.226 χ^2/NDF:1012209.0/50

All: 1783.524+/-0.161 χ^2/NDF: 1849280.9/96



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: 27.6/26

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

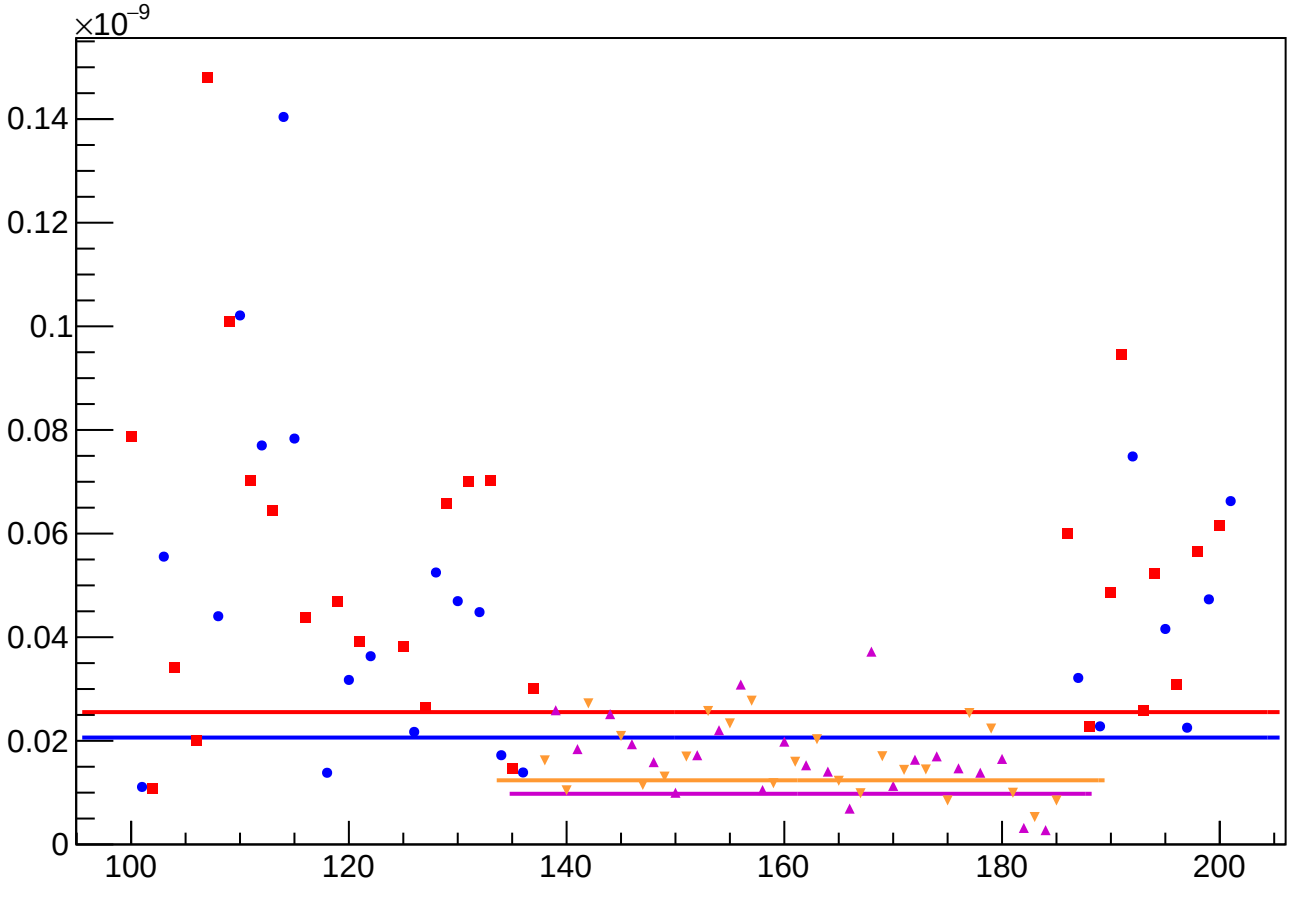
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.1/49

In: -0.000+/-0.000 χ^2/NDF:29.4/45

Out: 0.000+/-0.000 χ^2/NDF:57.4/50

All: -0.000+/-0.000 χ^2/NDF: 88.8/96



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: 2981049.0/26

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

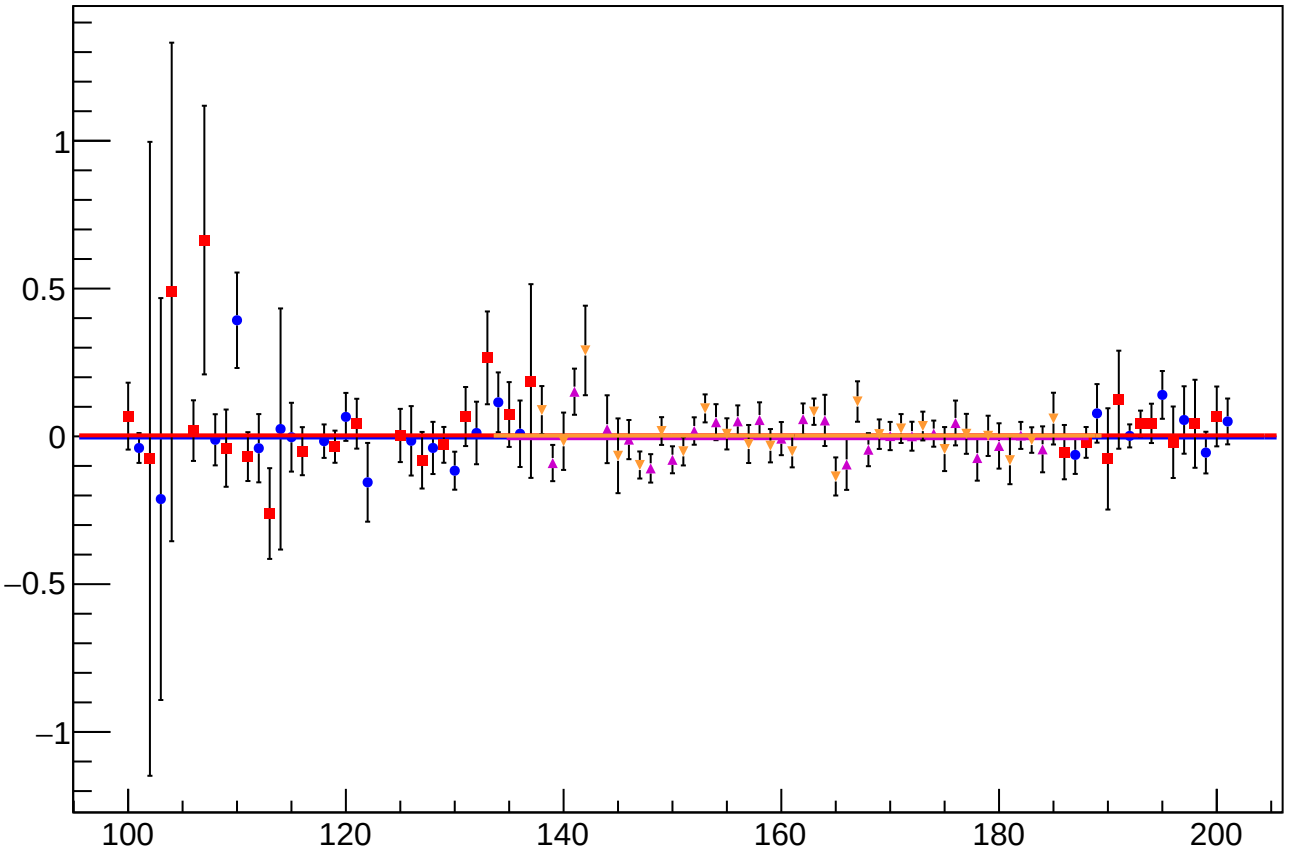
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6377619.8/49

In: 0.000+/-0.000 χ^2/NDF:9195763.9/45

Out: 0.000+/-0.000 χ^2/NDF:6428726.9/50

All: 0.000+/-0.000 χ^2/NDF: 15993150.3/96



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: 0.003+/-0.017 χ^2/NDF: 15.8/26

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

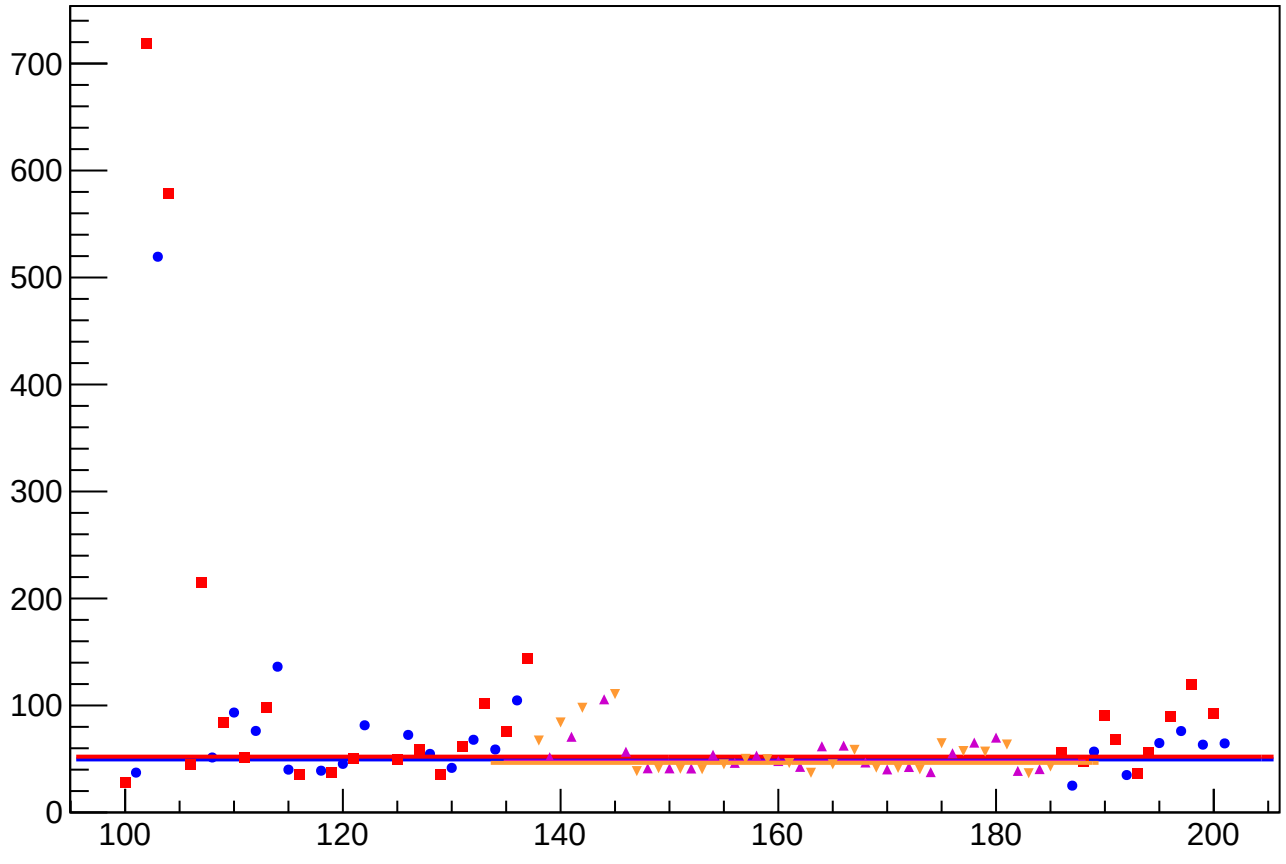
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.000+/-0.012 χ^2/NDF: 35.4/49

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.001+/-0.007 χ^2/NDF: 87.1/96



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: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

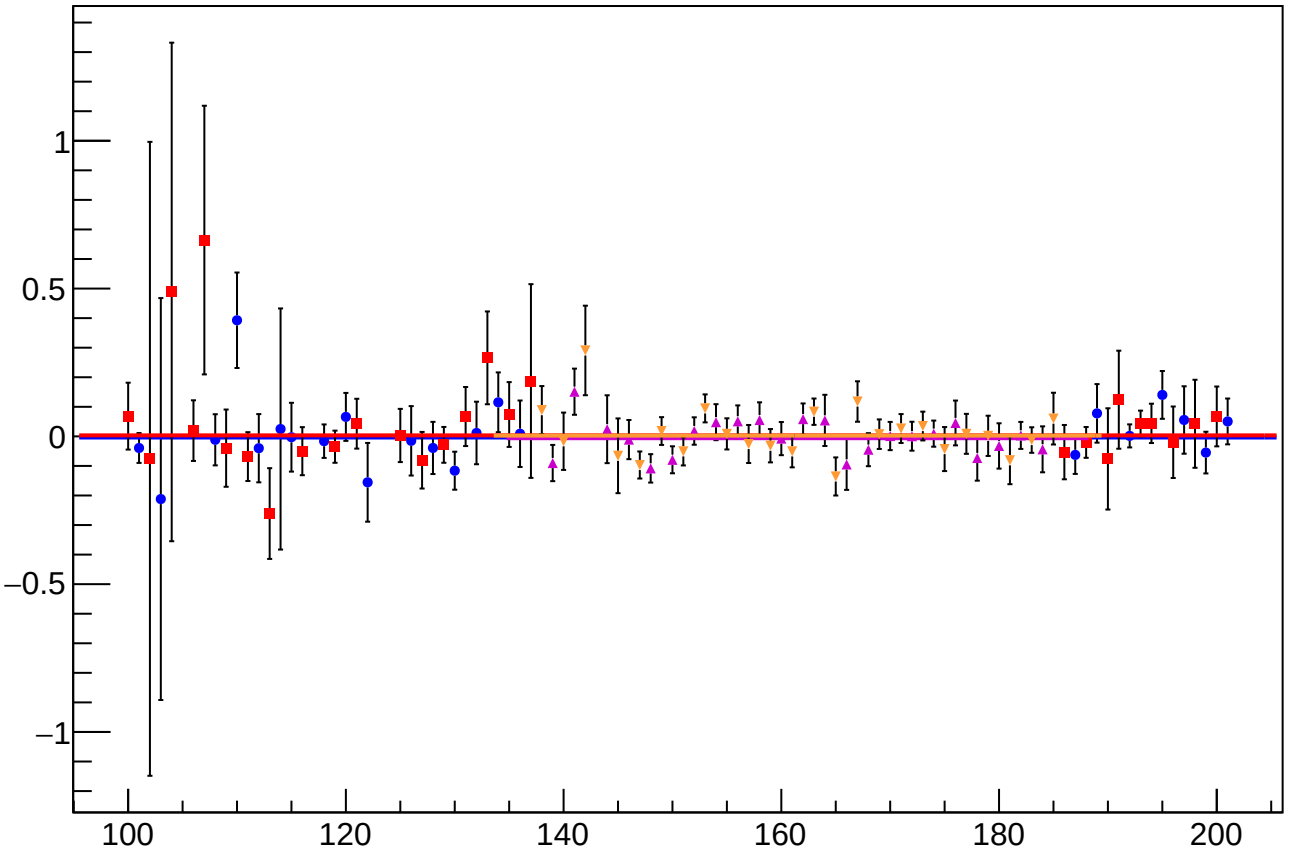
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.817+/-0.009 χ^2/NDF: 7612004.1/49

In: 48.257+/-0.007 χ^2/NDF:4800627.4/45

Out: 48.207+/-0.007 χ^2/NDF:6502801.7/50

All: 48.232+/-0.005 χ^2/NDF: 11303454.9/96



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: 0.003+/-0.017 χ^2/NDF: 15.8/26

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

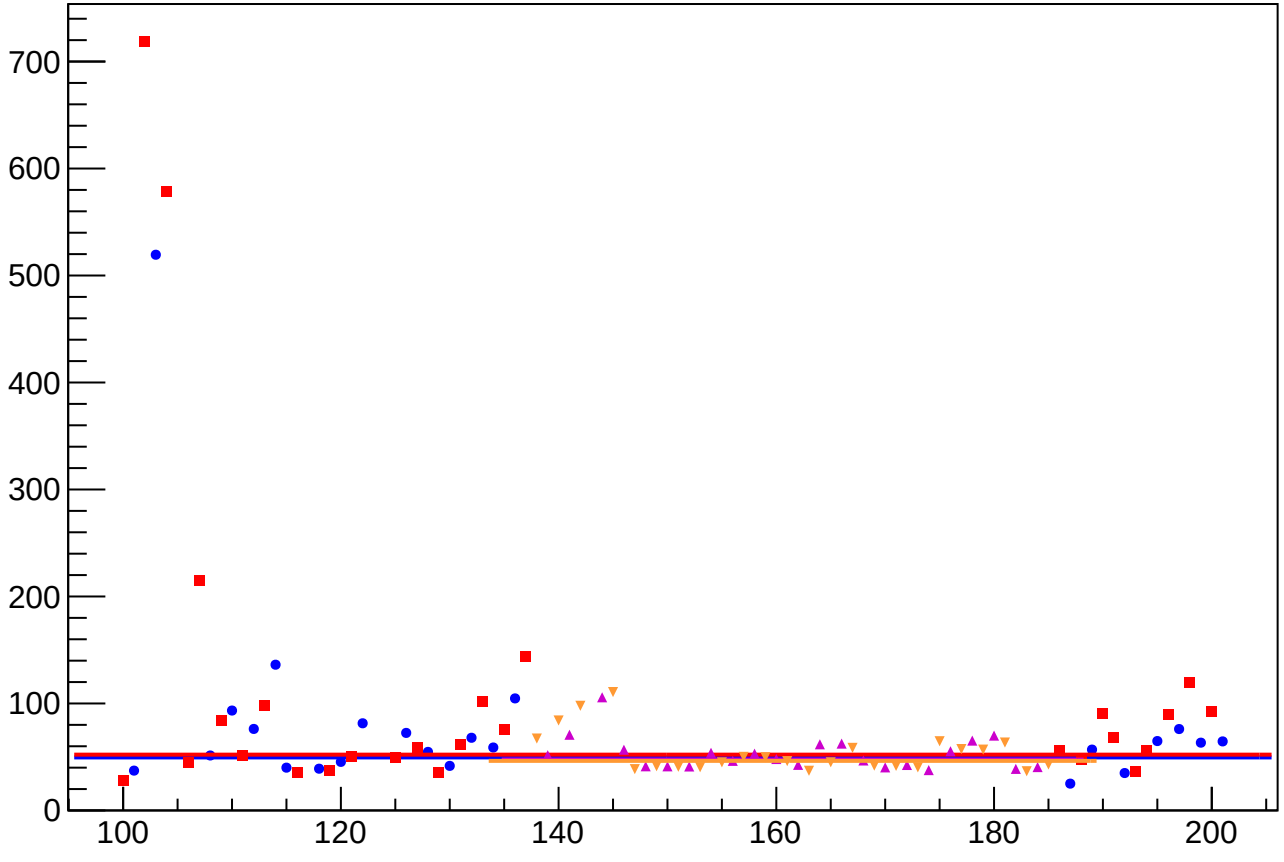
Right: -0.000+/-0.012 χ^2/NDF: 35.4/49

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.001+/-0.007 χ^2/NDF: 87.1/96

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: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

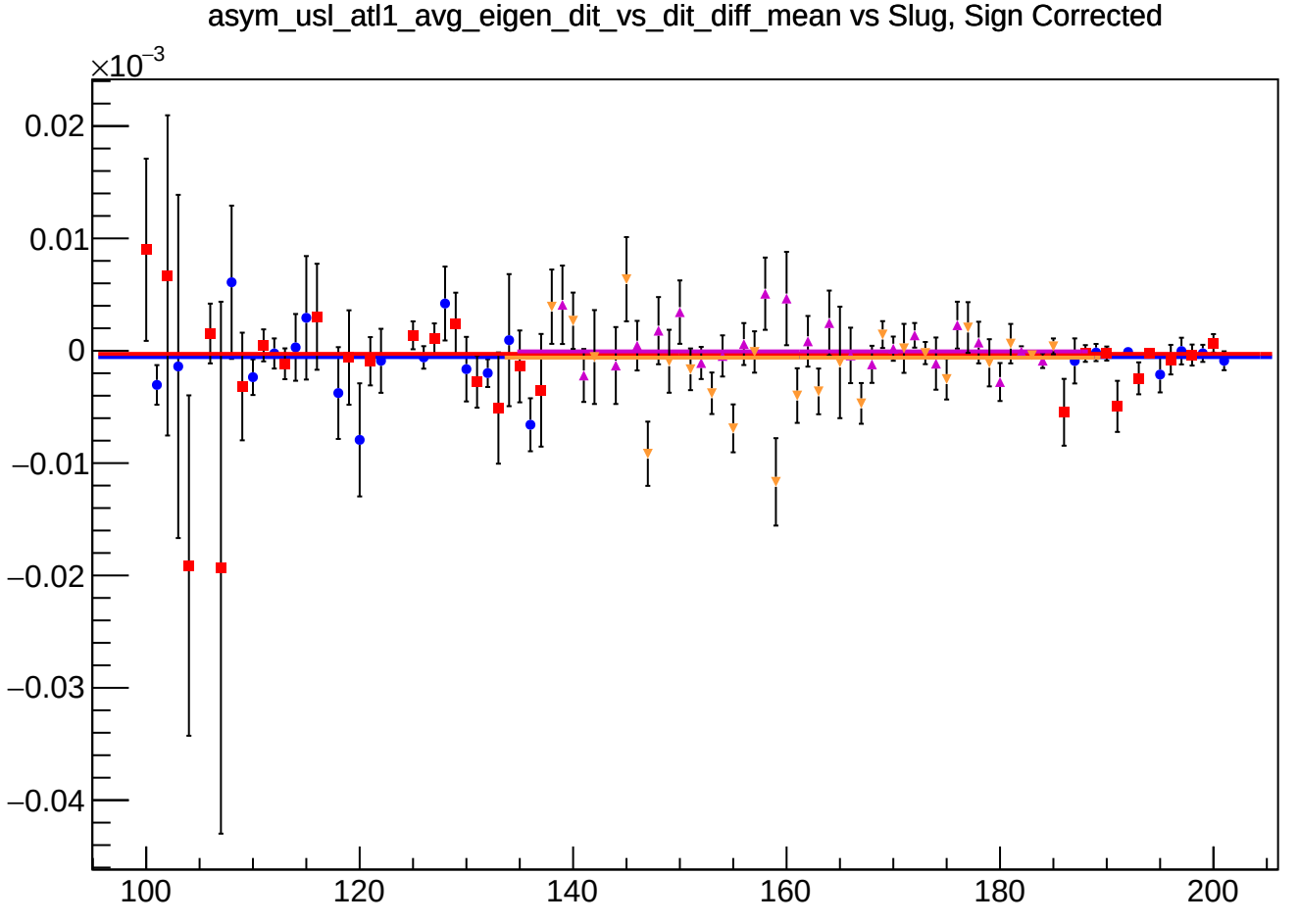
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.817+/-0.009 χ^2/NDF: 7612004.1/49

In: 48.257+/-0.007 χ^2/NDF:4800627.4/45

Out: 48.207+/-0.007 χ^2/NDF:6502801.7/50

All: 48.232+/-0.005 χ^2/NDF: 11303454.9/96



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: 23.2/26

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

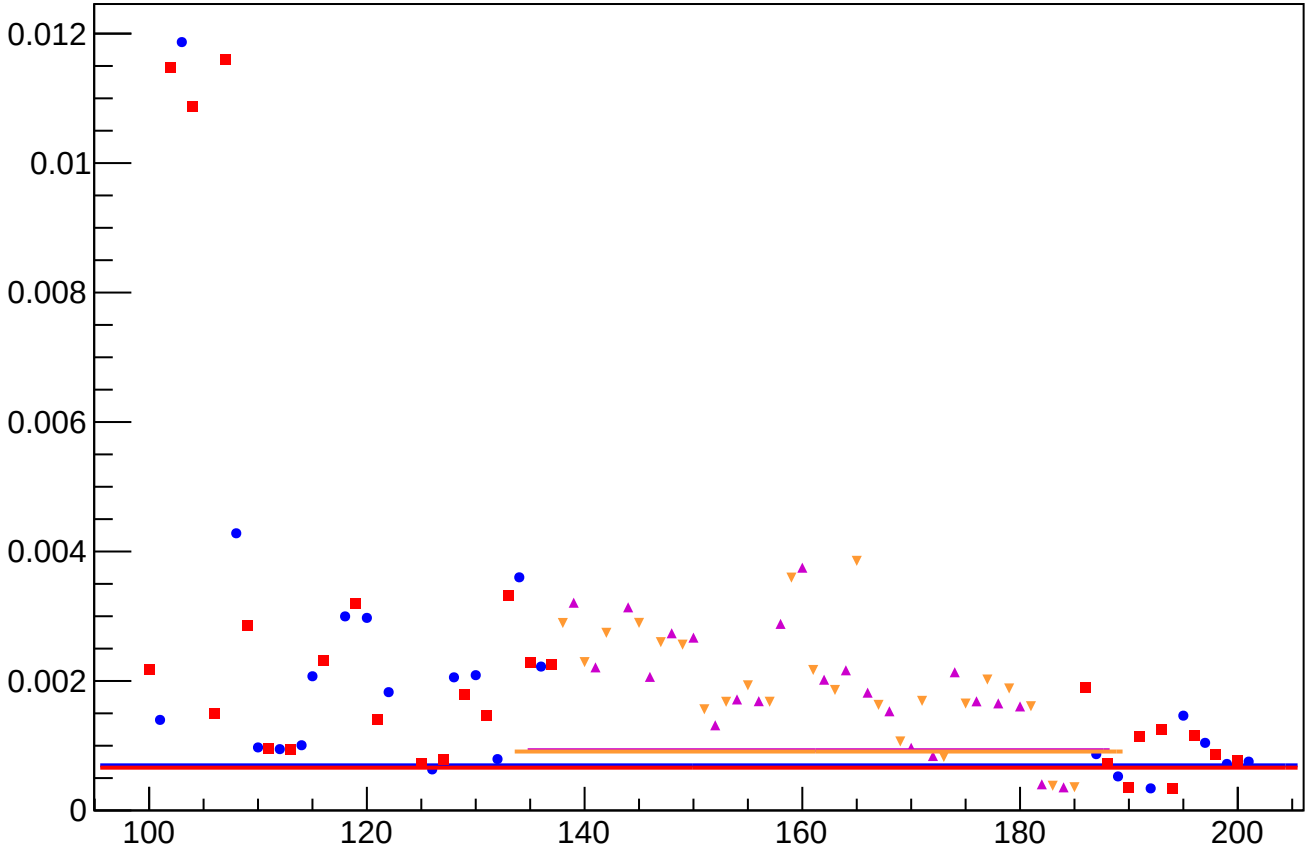
Right: -0.000+/-0.000 χ^2/NDF: 44.6/49

In: -0.000+/-0.000 χ^2/NDF:40.4/45

Out: -0.000+/-0.000 χ^2/NDF:78.0/50

All: -0.000+/-0.000 χ^2/NDF: 118.5/96

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: 9625163.9/26

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

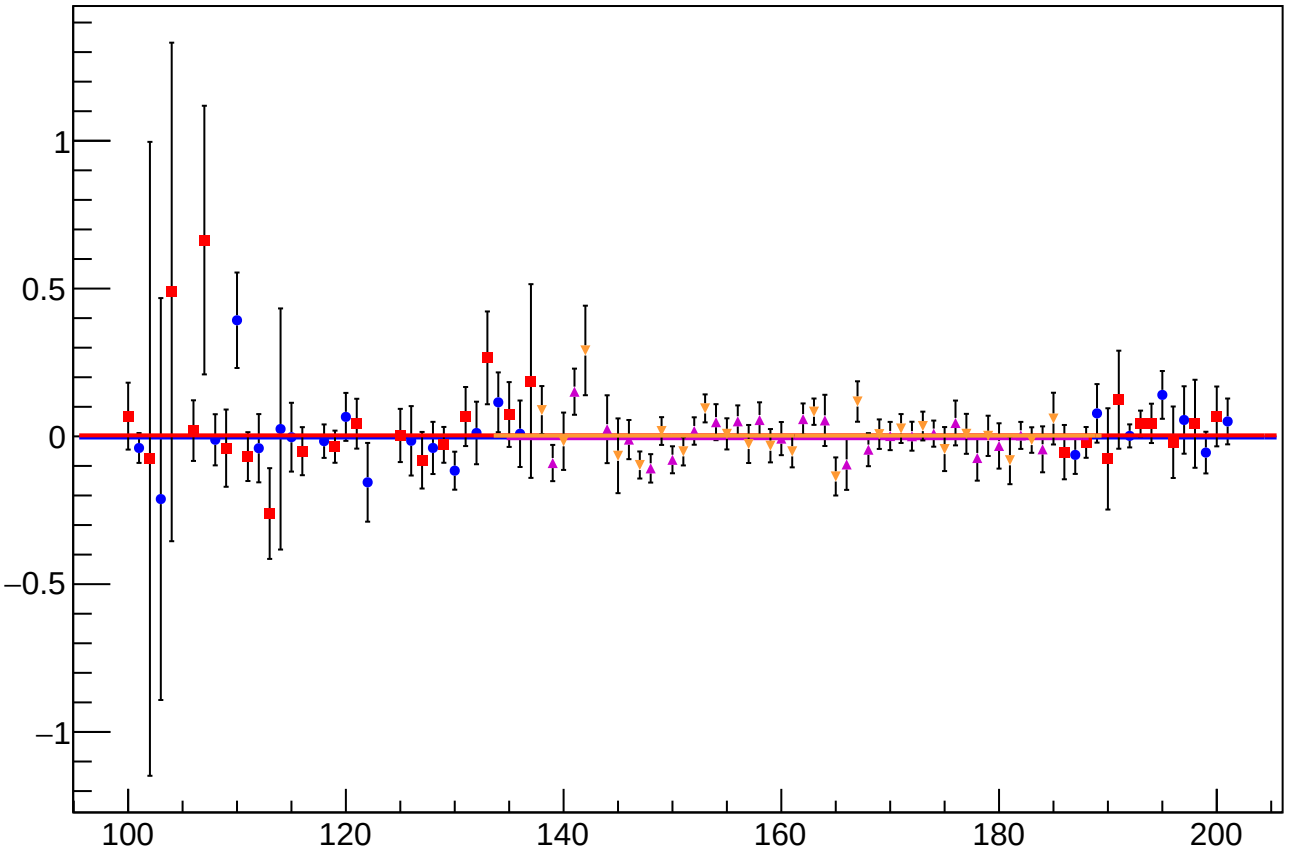
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 17655500.3/49

In: 0.001+/-0.000 χ^2/NDF:22468515.9/45

Out: 0.001+/-0.000 χ^2/NDF:24710018.4/50

All: 0.001+/-0.000 χ^2/NDF: 47218804.8/96



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: 0.003+/-0.017 χ^2/NDF: 15.8/26

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

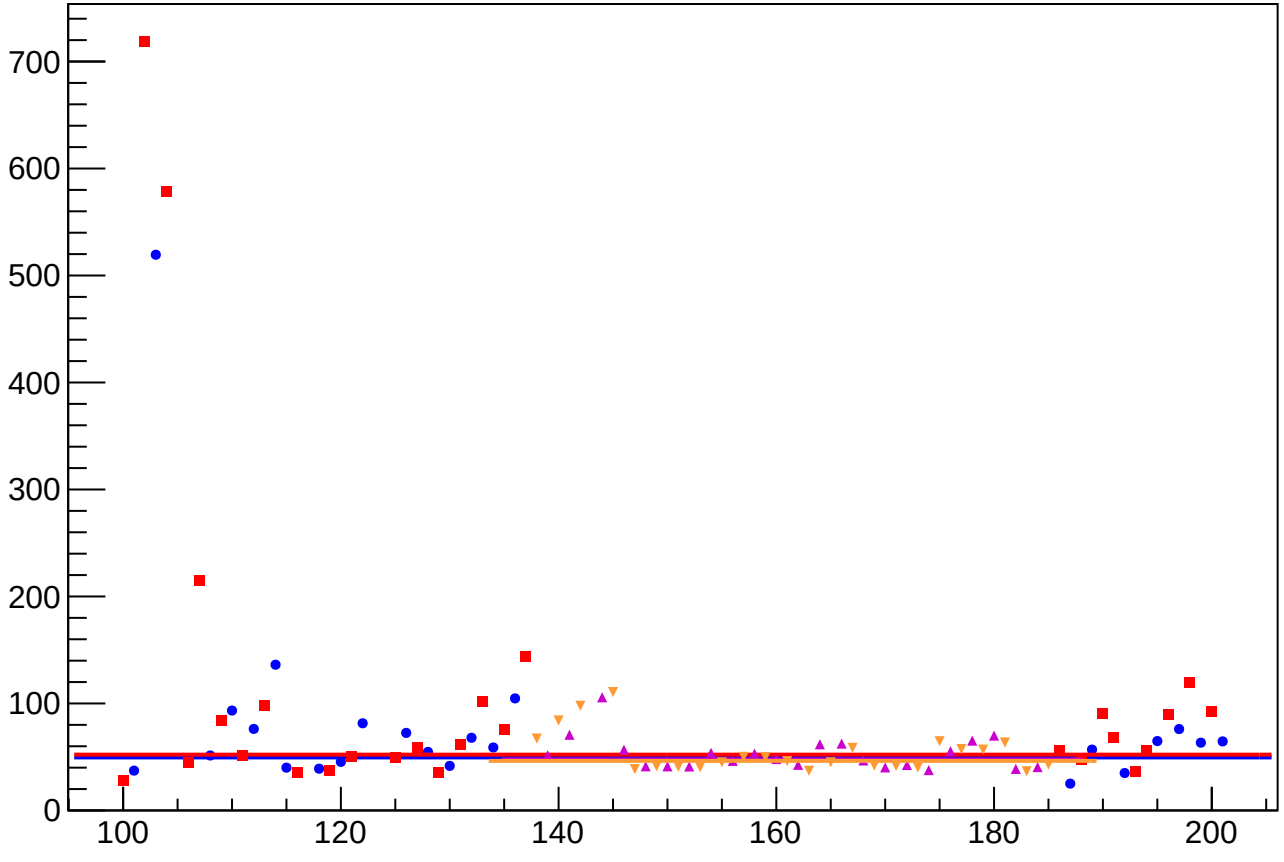
Right: -0.000+/-0.012 χ^2/NDF: 35.4/49

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.001+/-0.007 χ^2/NDF: 87.1/96

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: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

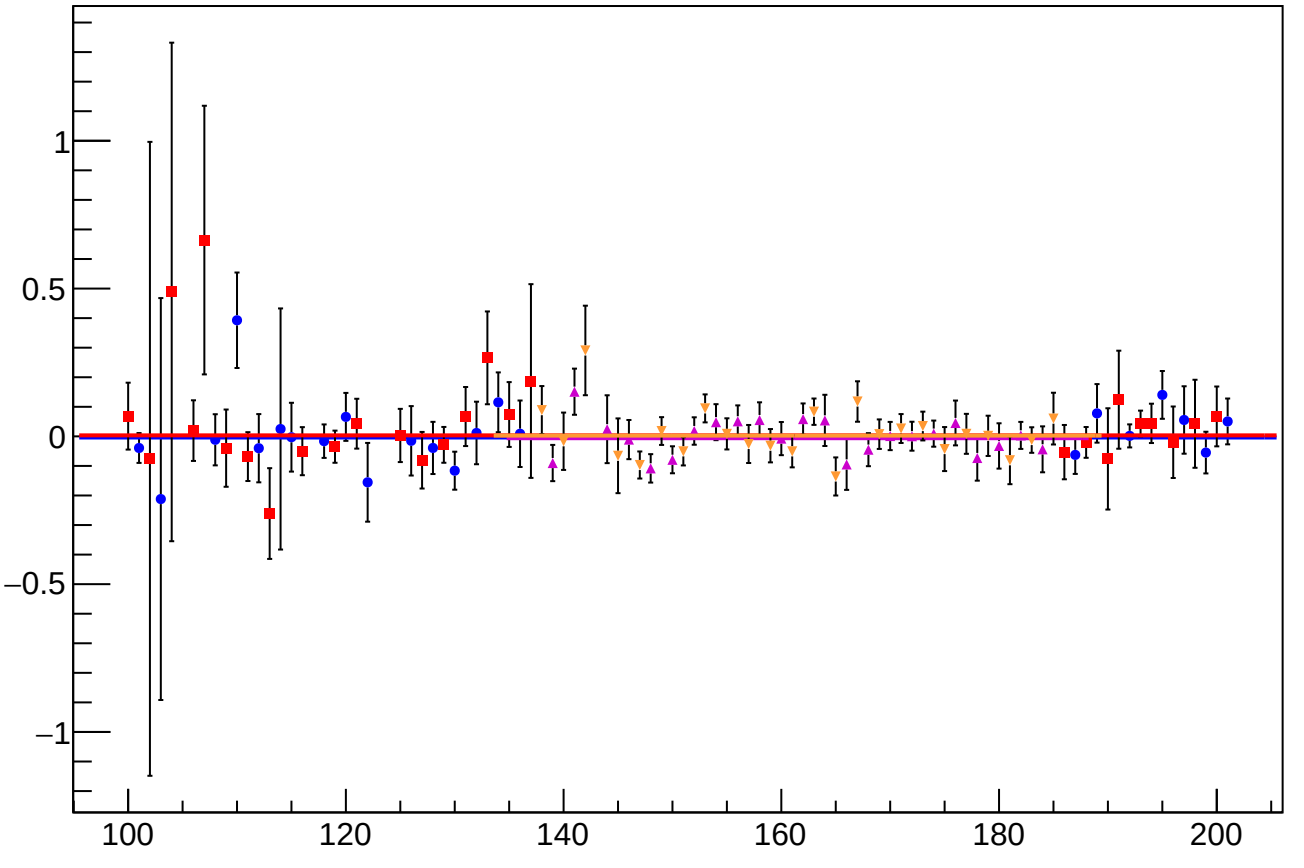
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.817+/-0.009 χ^2/NDF: 7612013.9/49

In: 48.257+/-0.007 χ^2/NDF:4800635.4/45

Out: 48.207+/-0.007 χ^2/NDF:6502778.5/50

All: 48.232+/-0.005 χ^2/NDF: 11303439.7/96



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: 0.003+/-0.017 χ^2/NDF: 15.8/26

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

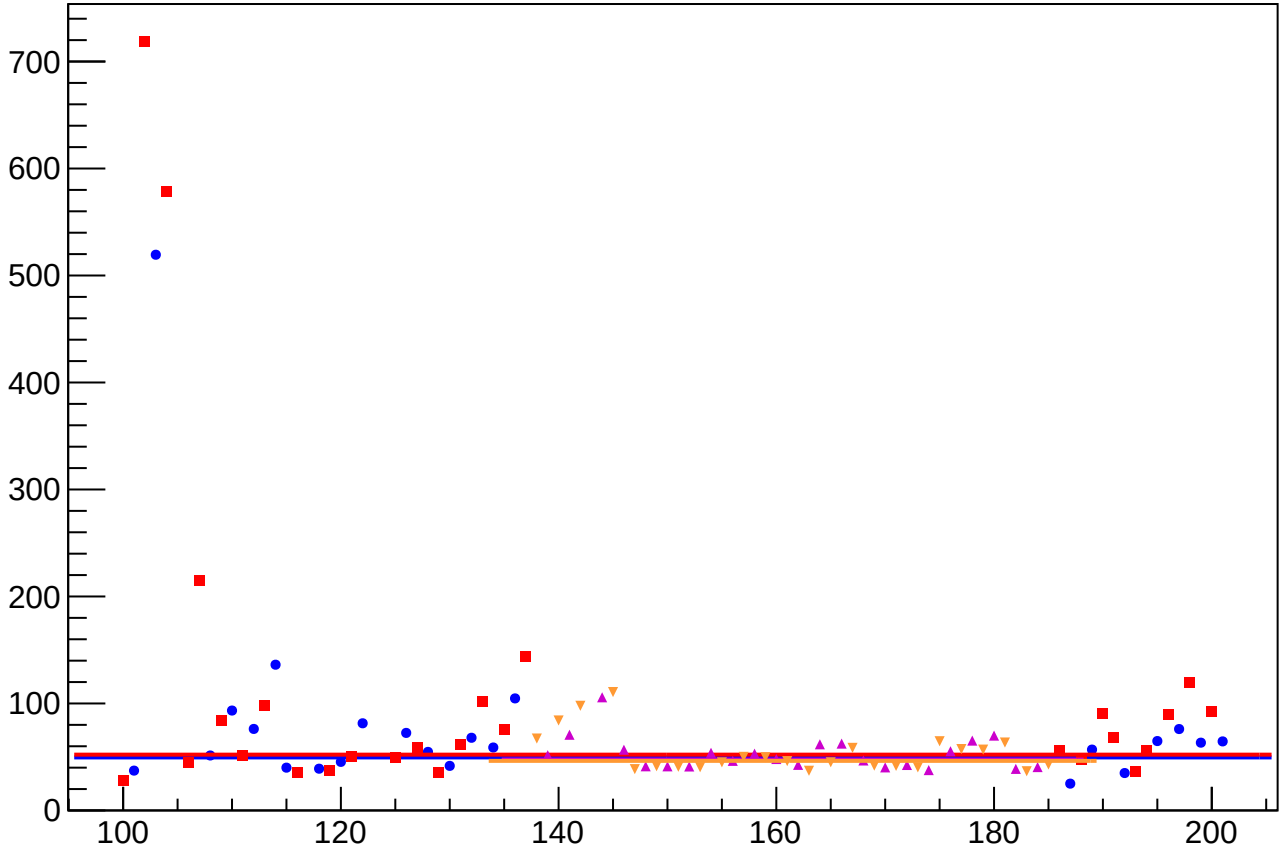
Right: -0.000+/-0.012 χ^2/NDF: 35.4/49

In: -0.005+/-0.010 χ^2/NDF:41.1/45

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.001+/-0.007 χ^2/NDF: 87.1/96

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: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

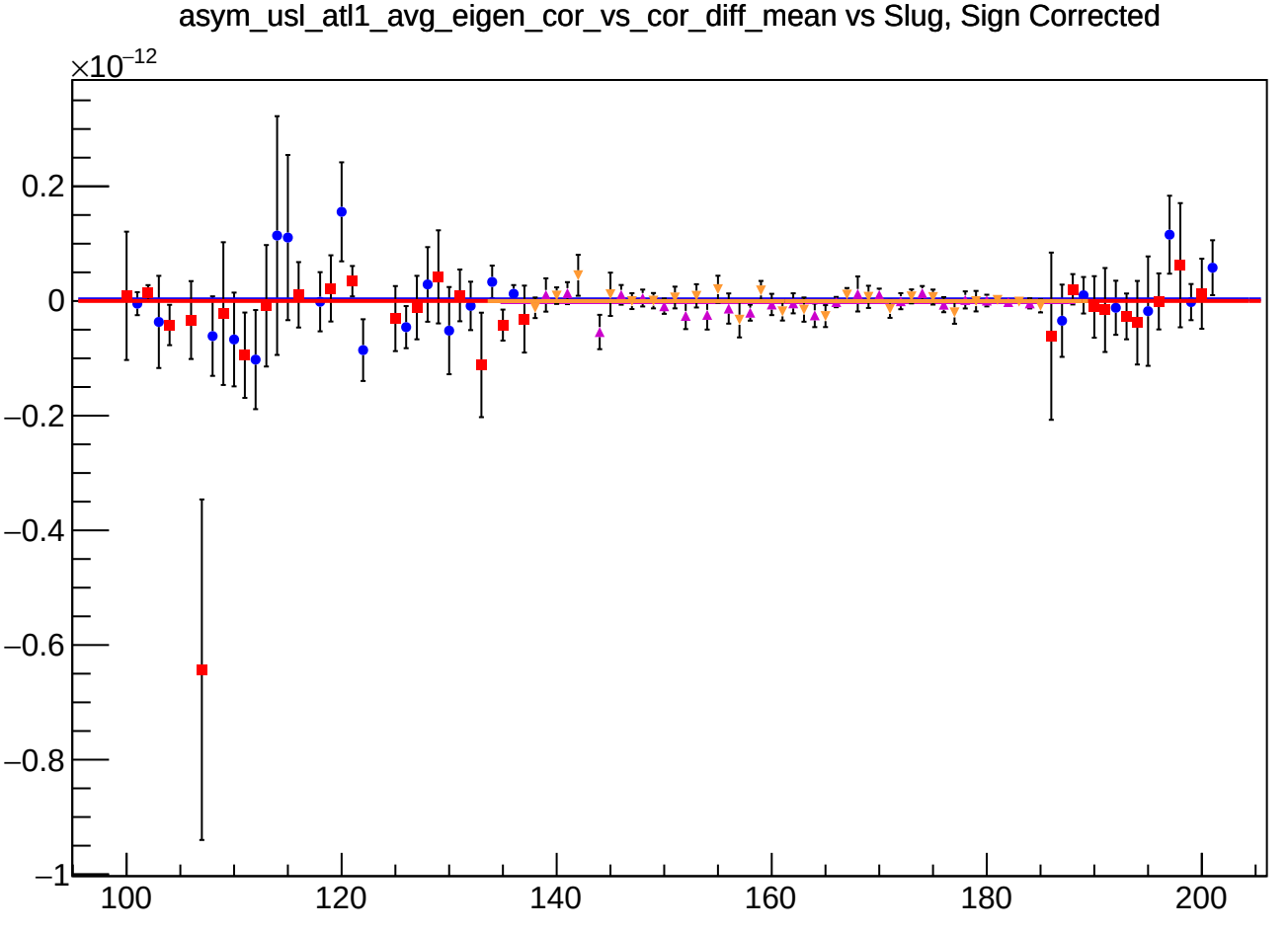
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.817+/-0.009 χ^2/NDF: 7612013.9/49

In: 48.257+/-0.007 χ^2/NDF:4800635.4/45

Out: 48.207+/-0.007 χ^2/NDF:6502778.5/50

All: 48.232+/-0.005 χ^2/NDF: 11303439.7/96



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: 18.0/26

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

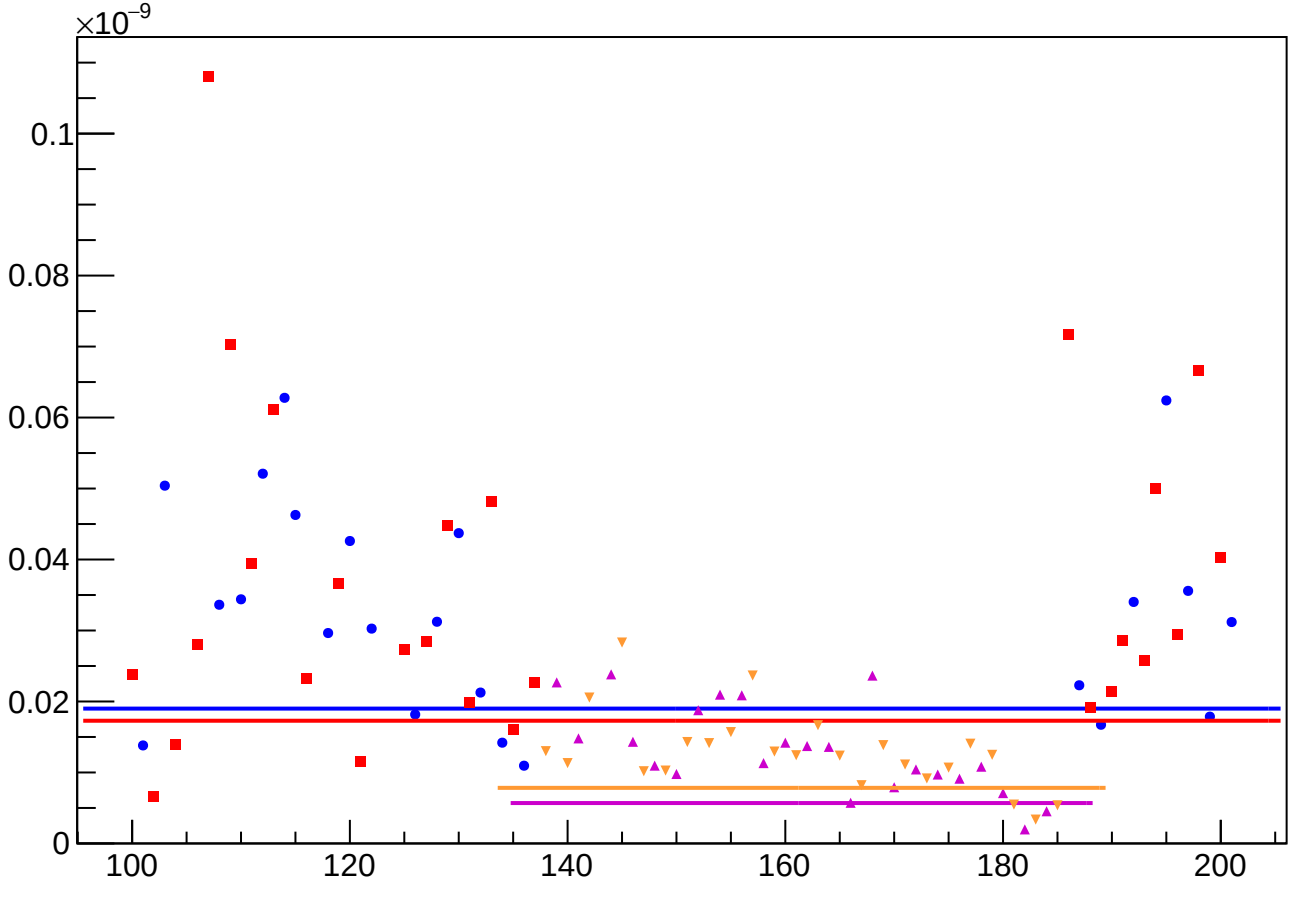
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 36.8/49

In: -0.000+/-0.000 χ^2/NDF:32.5/45

Out: -0.000+/-0.000 χ^2/NDF:31.8/50

All: -0.000+/-0.000 χ^2/NDF: 64.5/96



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: 5123336.4/26

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

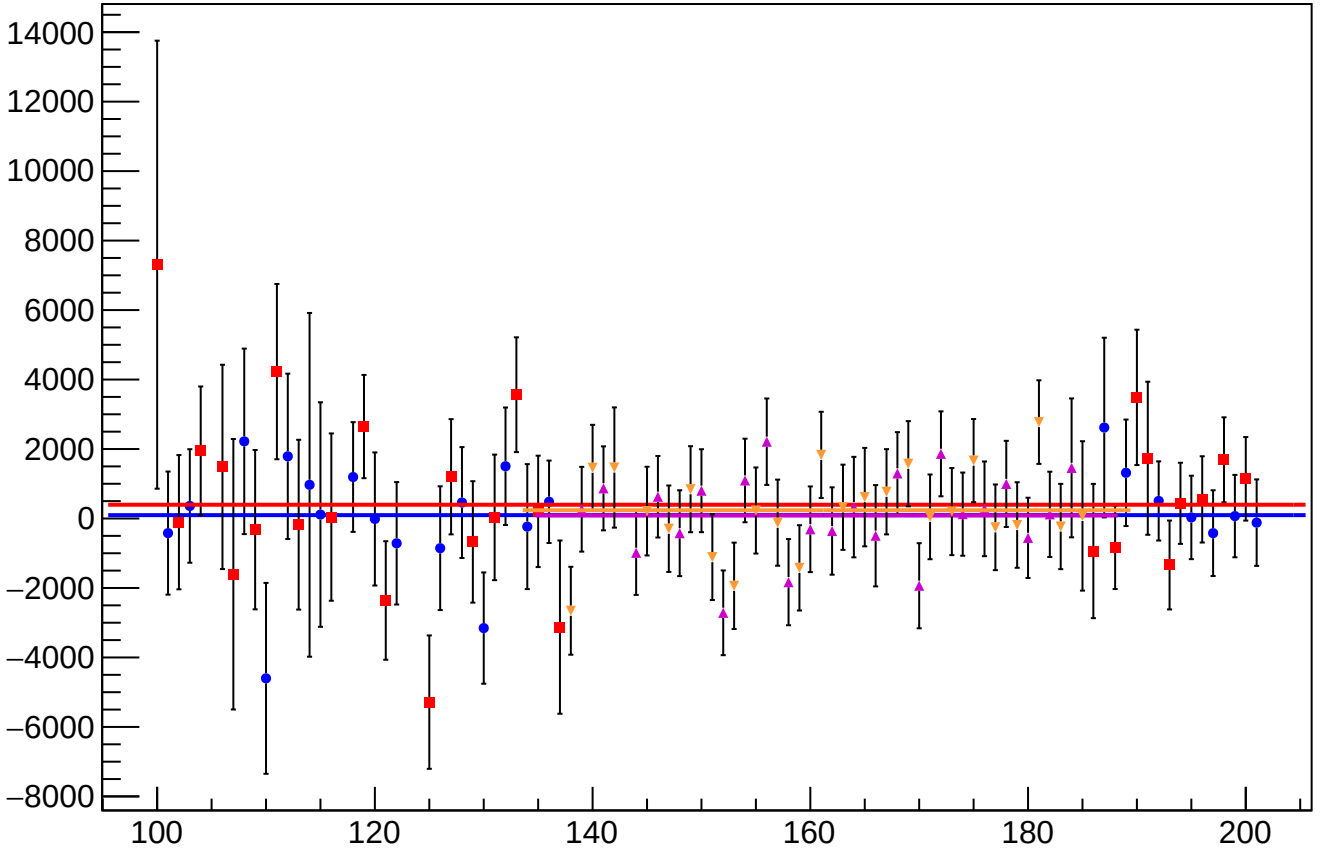
Right: 0.000+/-0.000 χ^2/NDF: 8332690.6/49

In: 0.000+/-0.000 χ^2/NDF:19272785.1/45

Out: 0.000+/-0.000 χ^2/NDF:14147323.5/50

All: 0.000+/-0.000 χ^2/NDF: 34378457.4/96

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: 396.307+/-329.330 χ^2/NDF: 32.6/26

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

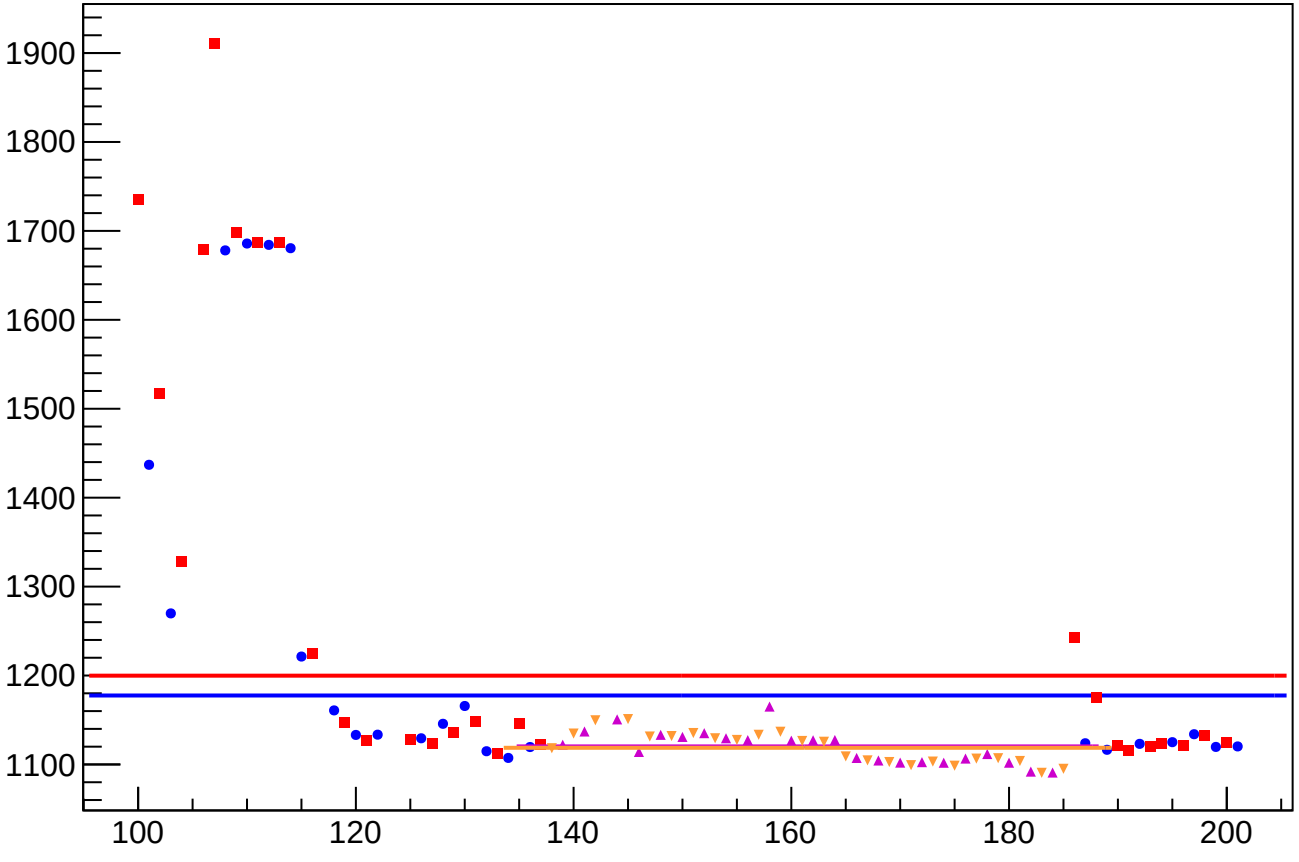
Right: 250.141+/-235.618 χ^2/NDF: 45.1/49

In: 91.569+/-206.703 χ^2/NDF:33.0/45

Out: 297.826+/-203.908 χ^2/NDF:55.4/50

All: 196.101+/-145.163 χ^2/NDF: 88.9/96

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: 1199.842+/-0.233 χ^2/NDF: 518893.0/26

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

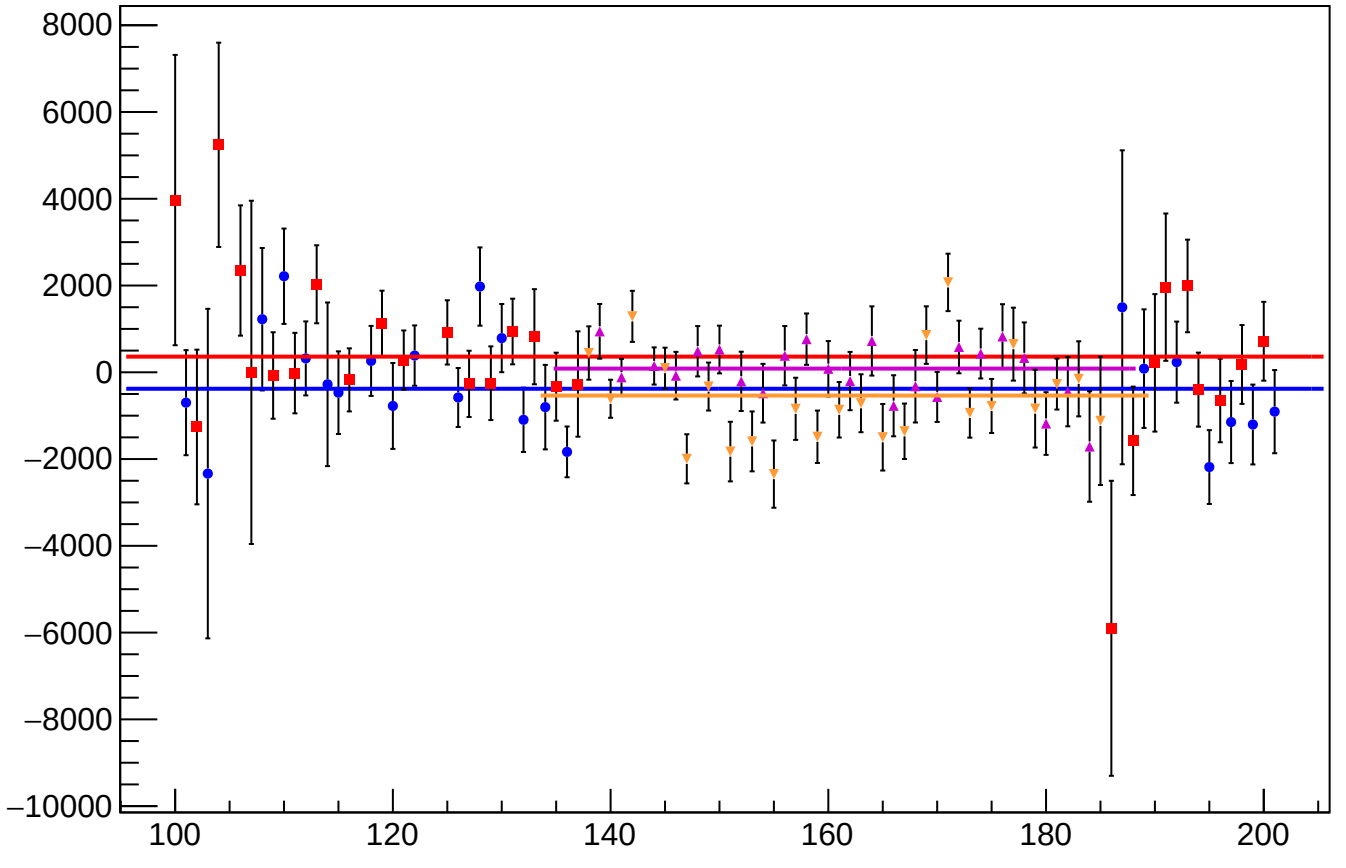
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1188.957+/-0.167 χ^2/NDF: 862425.9/49

In: 1141.810+/-0.146 χ^2/NDF:384501.9/45

Out: 1149.827+/-0.144 χ^2/NDF:601902.8/50

All: 1145.873+/-0.103 χ^2/NDF: 987929.4/96



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: 361.001+/-191.393 χ^2/NDF: 28.1/26

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

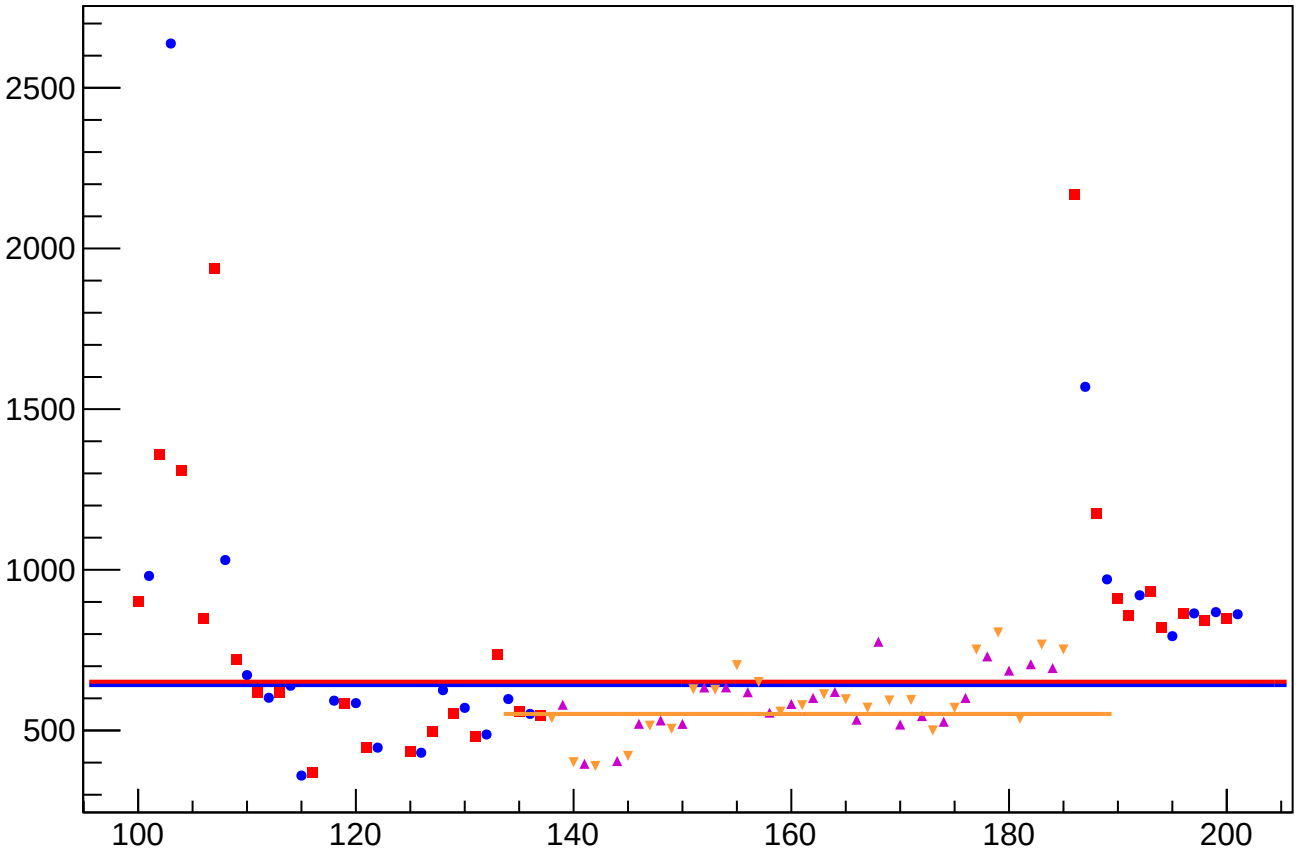
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -4.889+/-136.139 χ^2/NDF: 68.5/49

In: -60.597+/-108.492 χ^2/NDF:54.1/45

Out: -250.821+/-107.904 χ^2/NDF:104.6/50

All: -156.226+/-76.506 χ^2/NDF: 160.3/96



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: 651.803+/-0.135 χ^2/NDF: 3009354.3/26

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

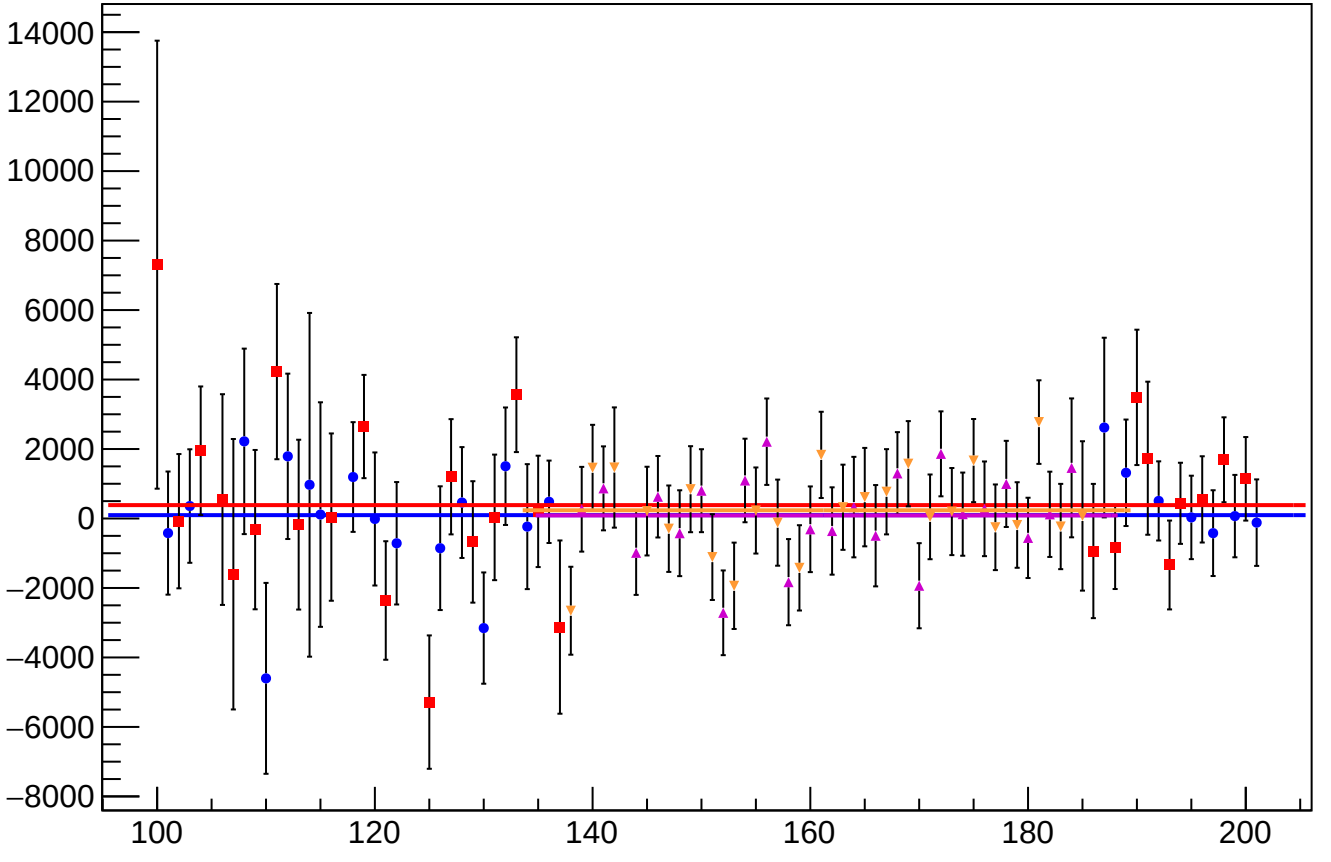
Right: 646.558+/-0.096 χ^2/NDF: 5360086.9/49

In: 579.528+/-0.077 χ^2/NDF:3704815.6/45

Out: 583.340+/-0.076 χ^2/NDF:4611118.0/50

All: 581.444+/-0.054 χ^2/NDF: 8317175.3/96

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: 385.268+/-329.455 χ^2/NDF: 32.4/26

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

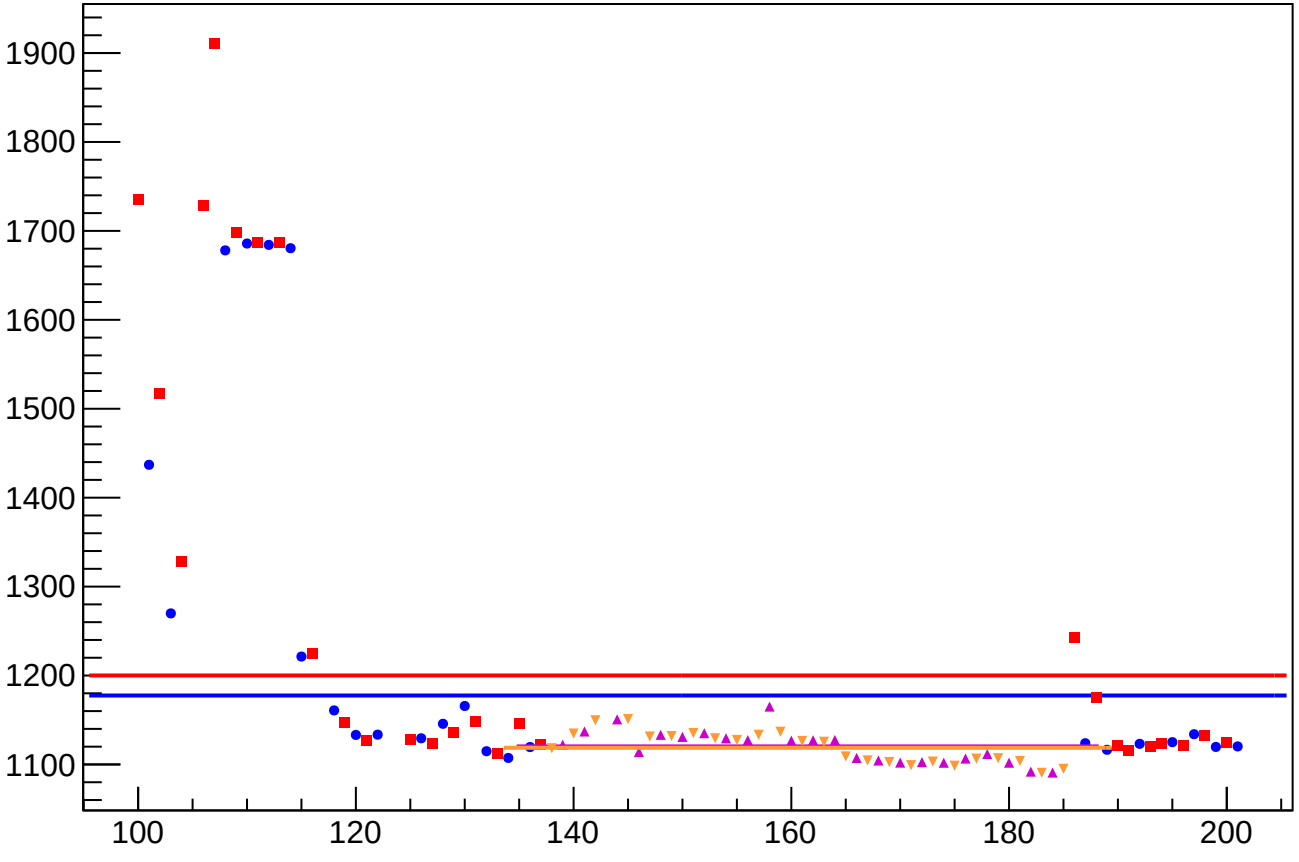
Right: 244.349+/-235.664 χ^2/NDF: 44.9/49

In: 91.496+/-206.703 χ^2/NDF:33.0/45

Out: 293.593+/-203.938 χ^2/NDF:55.3/50

All: 193.905+/-145.174 χ^2/NDF: 88.8/96

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: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

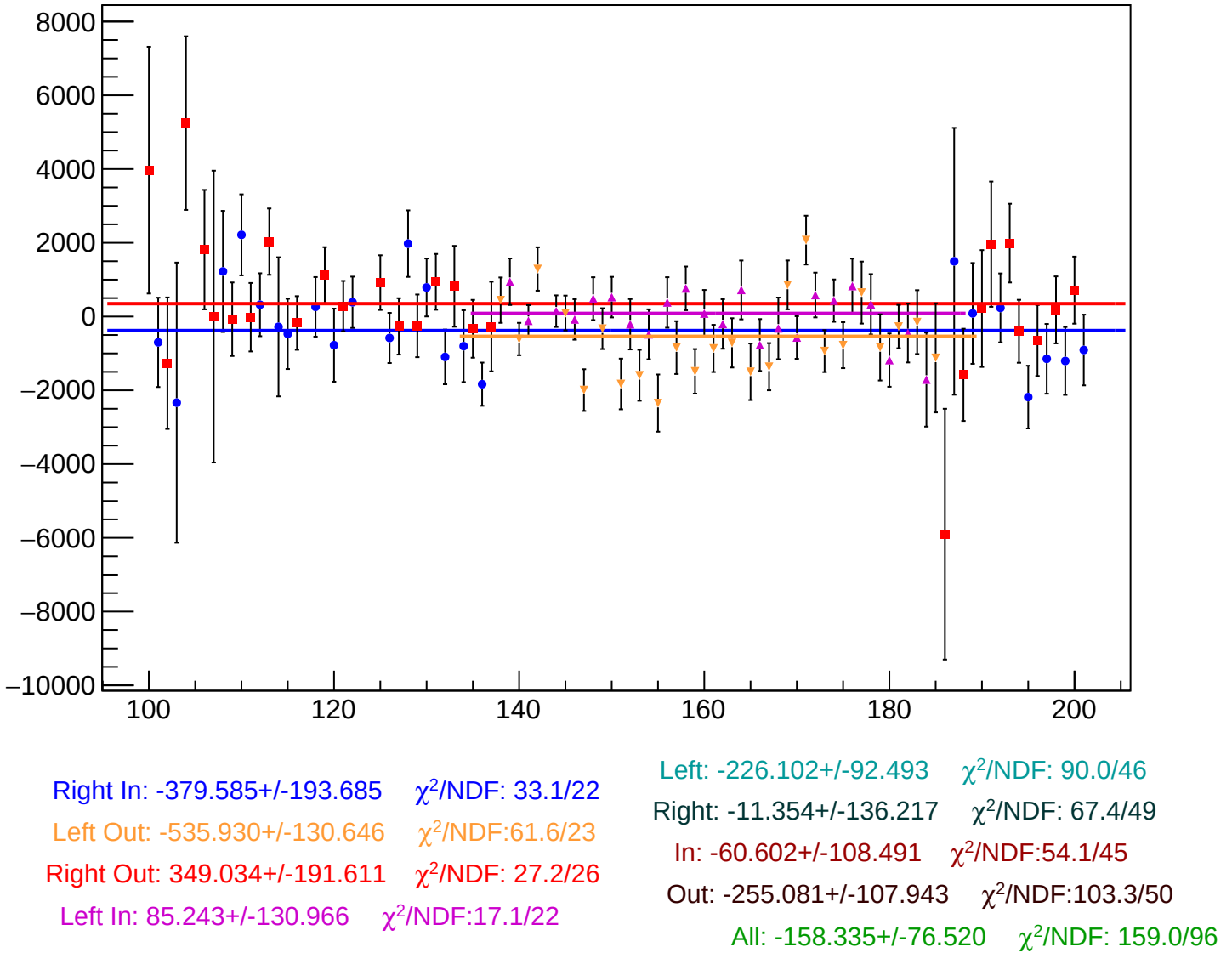
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1189.070+/-0.167 χ^2/NDF: 870284.6/49

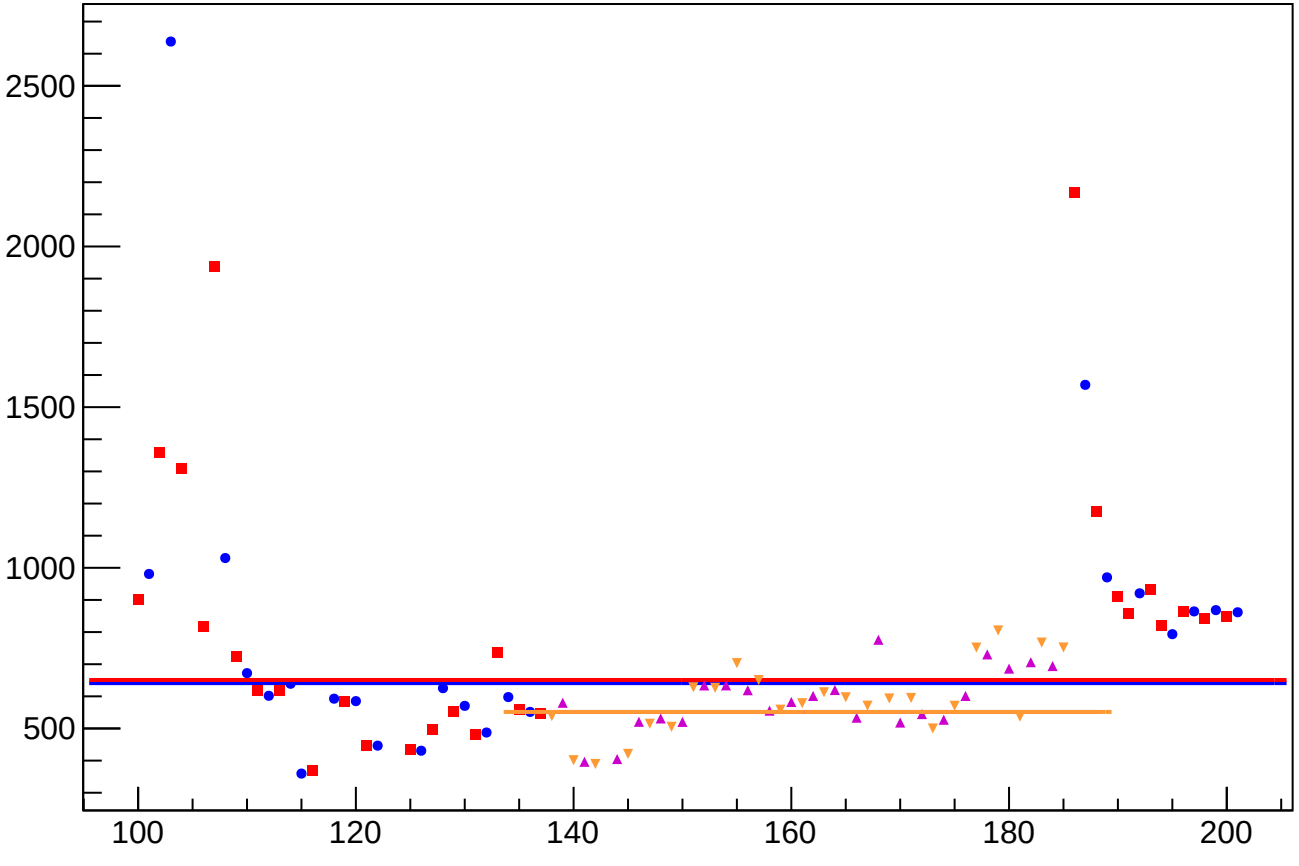
In: 1141.810+/-0.146 χ^2/NDF:384502.0/45

Out: 1149.900+/-0.144 χ^2/NDF:610059.1/50

All: 1145.910+/-0.103 χ^2/NDF: 996113.6/96


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -379.585+/-193.685 χ²/NDF: 33.1/22
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 349.034+/-191.611 χ²/NDF: 27.2/26
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: -11.354+/-136.217 χ²/NDF: 67.4/49
In: -60.602+/-108.491 χ²/NDF:54.1/45
Out: -255.081+/-107.943 χ²/NDF:103.3/50
All: -158.335+/-76.520 χ²/NDF: 159.0/96

asym_usl_atl1_dd_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: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

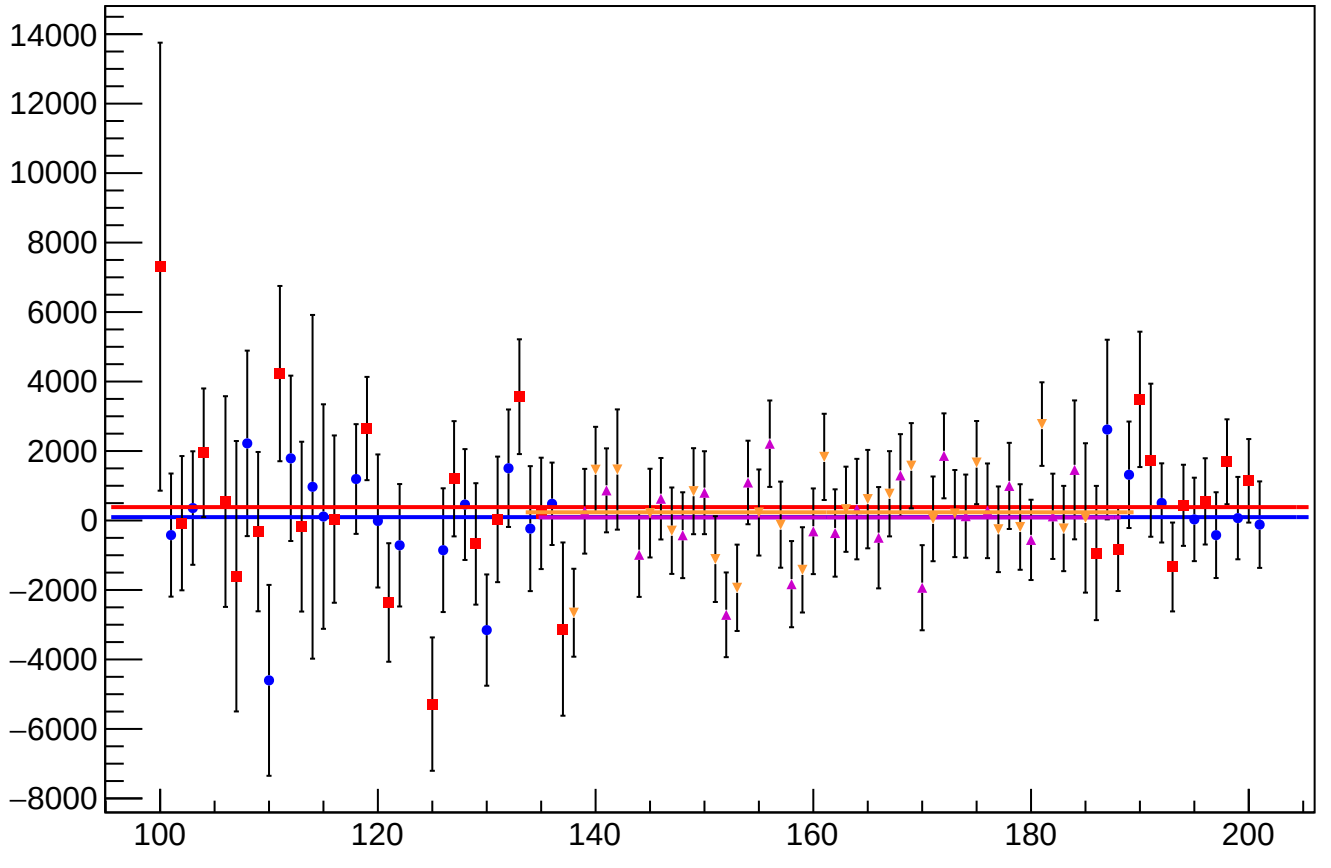
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 646.102+/-0.096 χ^2/NDF: 5346556.1/49

In: 579.526+/-0.077 χ^2/NDF:3704766.8/45

Out: 583.009+/-0.076 χ^2/NDF:4590929.7/50

All: 581.276+/-0.054 χ^2/NDF: 8296732.7/96



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: 385.268+/-329.455 χ^2/NDF: 32.4/26

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

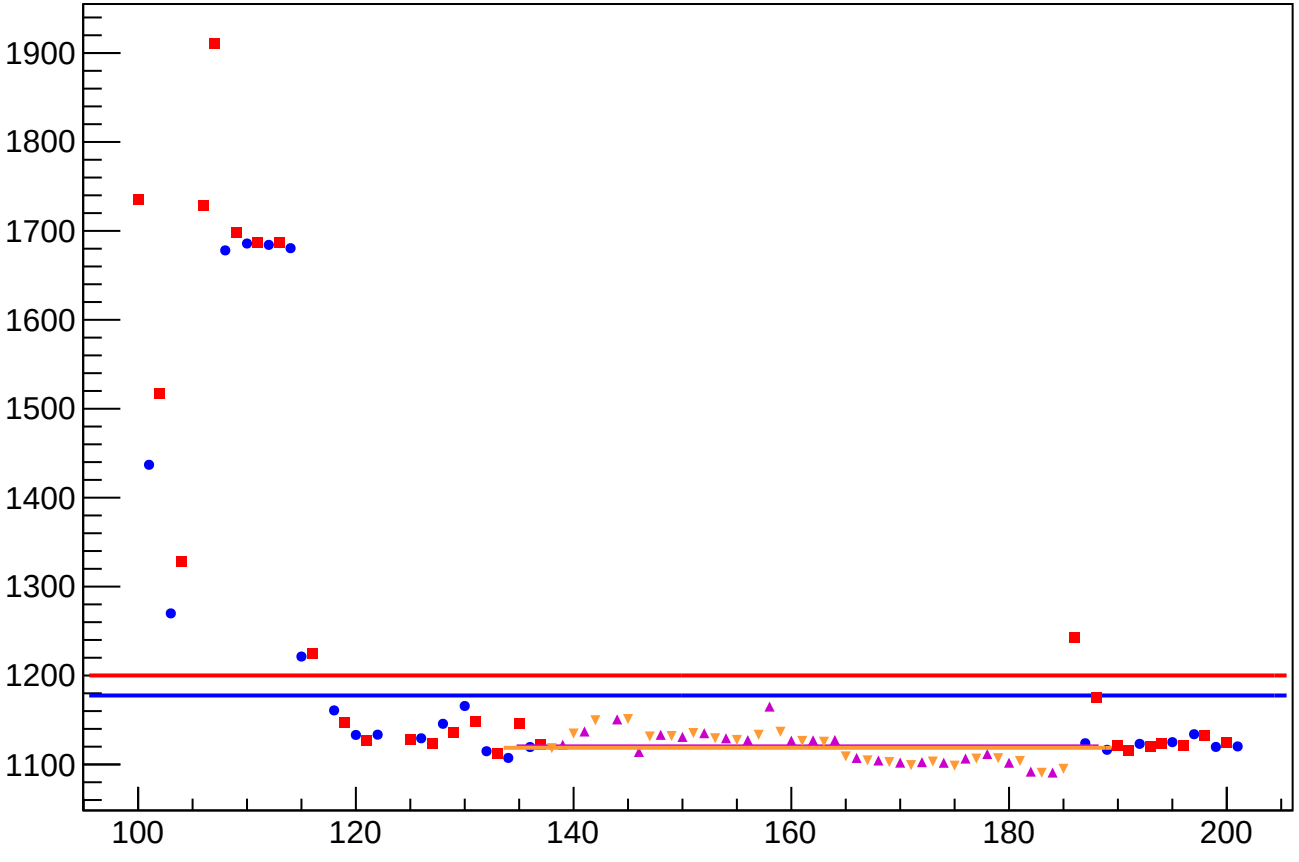
Right: 244.349+/-235.664 χ^2/NDF: 44.9/49

In: 91.496+/-206.703 χ^2/NDF:33.0/45

Out: 293.593+/-203.938 χ^2/NDF:55.3/50

All: 193.905+/-145.174 χ^2/NDF: 88.8/96

eigen_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: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

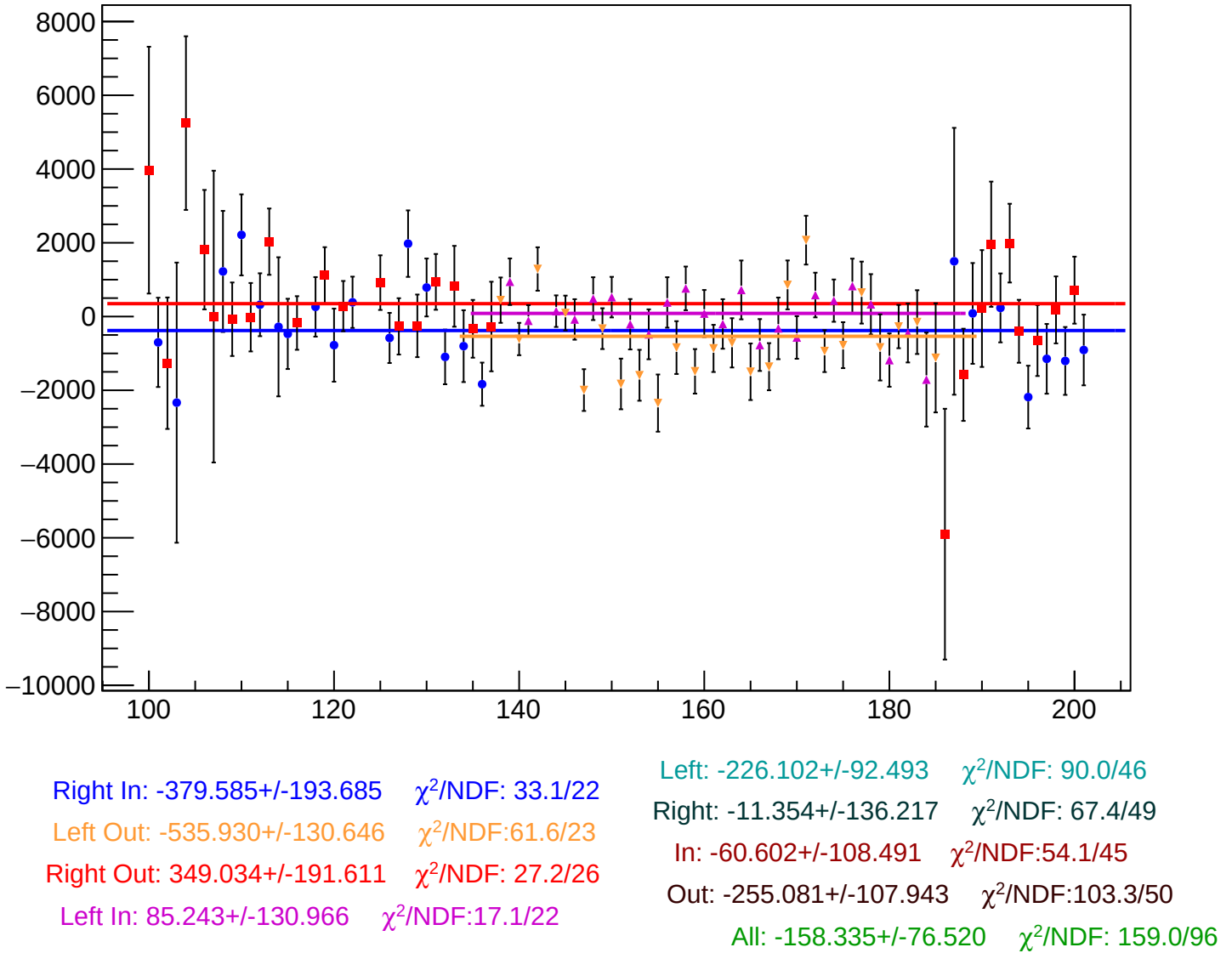
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1189.070+/-0.167 χ^2/NDF: 870284.6/49

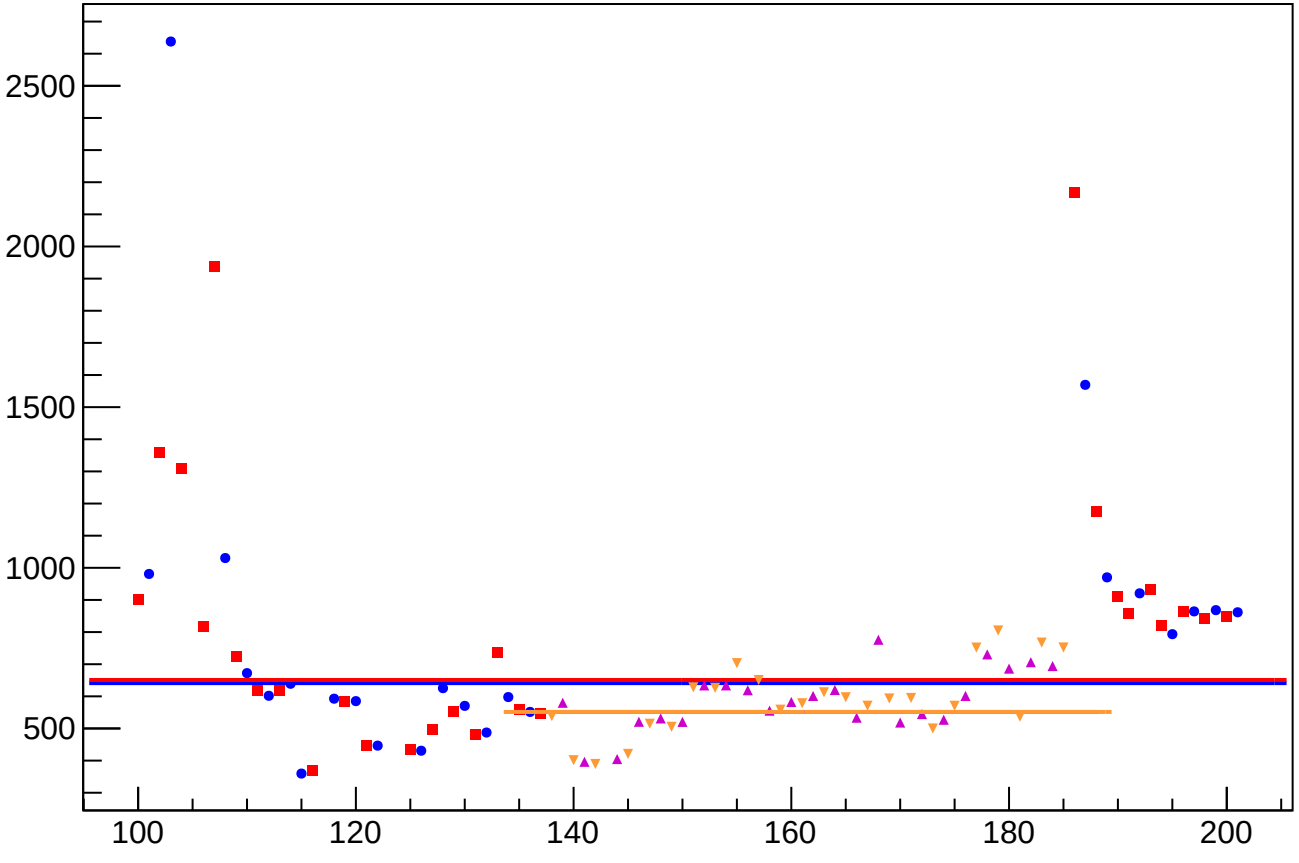
In: 1141.810+/-0.146 χ^2/NDF:384502.0/45

Out: 1149.900+/-0.144 χ^2/NDF:610059.1/50

All: 1145.910+/-0.103 χ^2/NDF: 996113.6/96


asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
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: 349.034+/-191.611 χ²/NDF: 27.2/26
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: -11.354+/-136.217 χ²/NDF: 67.4/49
In: -60.602+/-108.491 χ²/NDF:54.1/45
Out: -255.081+/-107.943 χ²/NDF:103.3/50
All: -158.335+/-76.520 χ²/NDF: 159.0/96

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: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

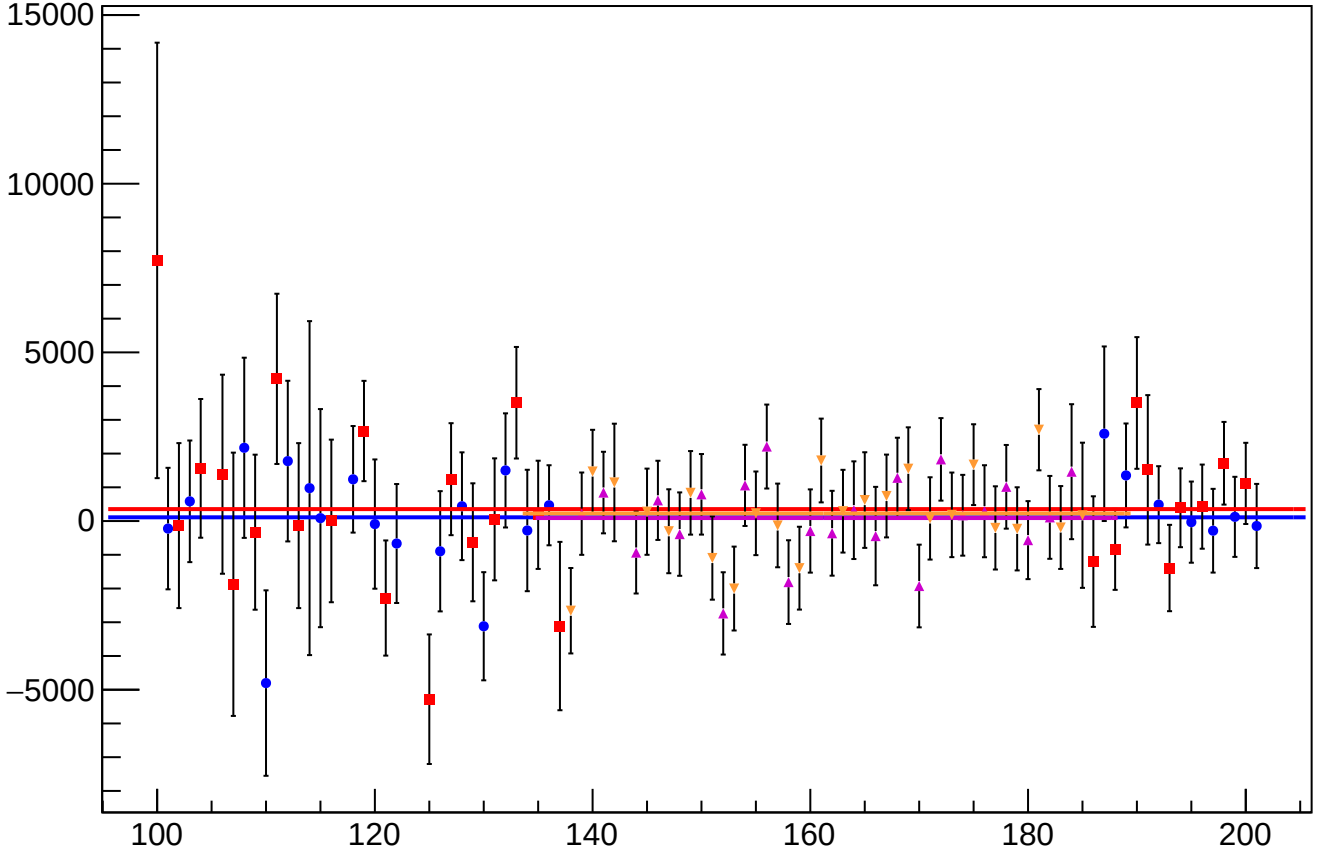
Right: 646.102+/-0.096 χ^2/NDF: 5346556.1/49

In: 579.526+/-0.077 χ^2/NDF:3704766.8/45

Out: 583.009+/-0.076 χ^2/NDF:4590929.7/50

All: 581.276+/-0.054 χ^2/NDF: 8296732.7/96

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: 354.145+/-332.575 χ^2/NDF: 32.3/26

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

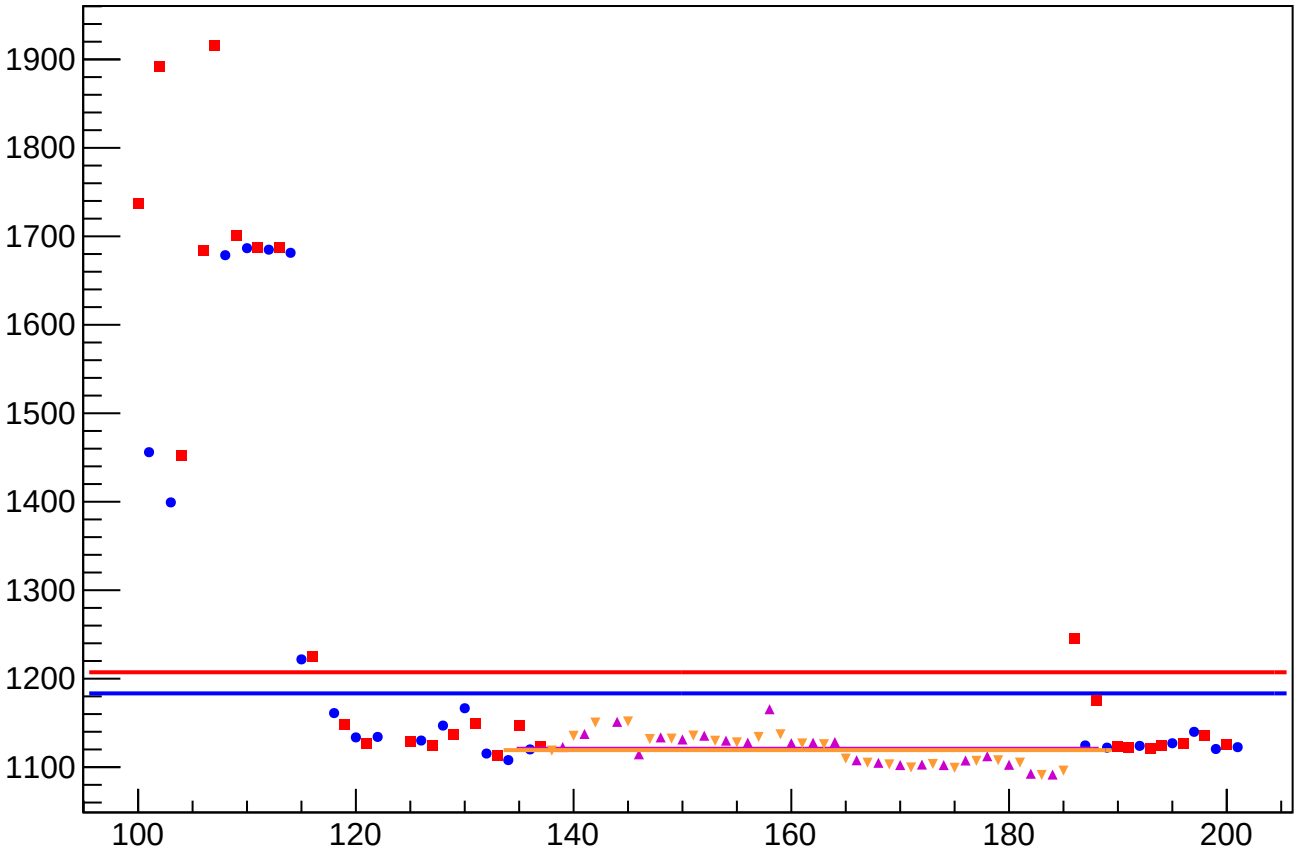
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 234.796+/-237.465 χ^2/NDF: 44.7/49

In: 97.135+/-207.202 χ^2/NDF:32.8/45

Out: 274.361+/-204.750 χ^2/NDF:54.6/50

All: 186.803+/-145.640 χ^2/NDF: 87.7/96



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: 1207.245+/-0.235 χ^2/NDF: 644237.3/26

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

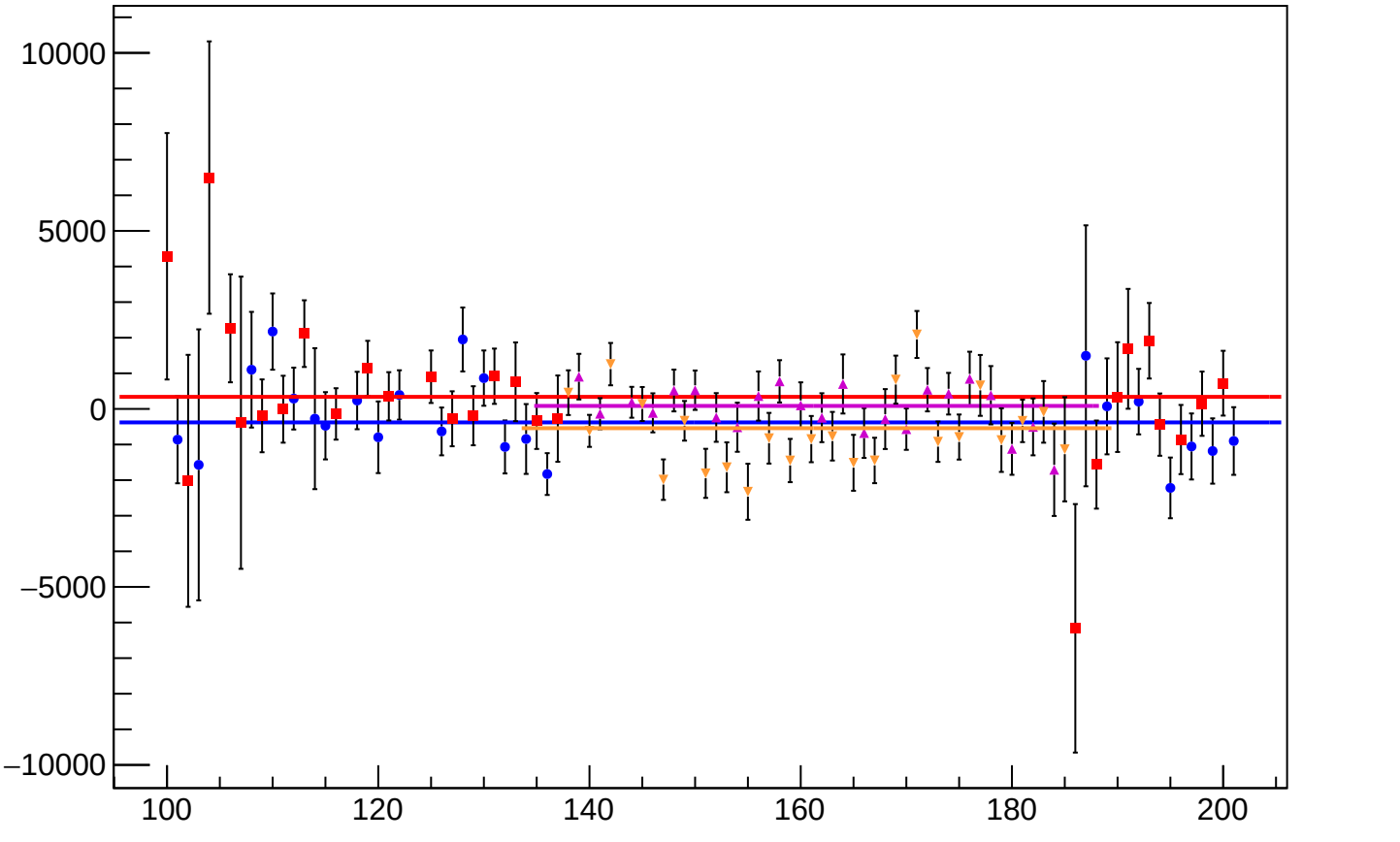
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1195.547+/-0.168 χ^2/NDF: 1014490.7/49

In: 1144.155+/-0.147 χ^2/NDF:417307.9/45

Out: 1152.608+/-0.145 χ^2/NDF:739309.5/50

All: 1148.432+/-0.103 χ^2/NDF: 1158301.1/96



Right In: -378.832+/-193.202 χ^2/NDF: 33.0/22

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 338.743+/-193.626 χ^2/NDF: 26.1/26

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

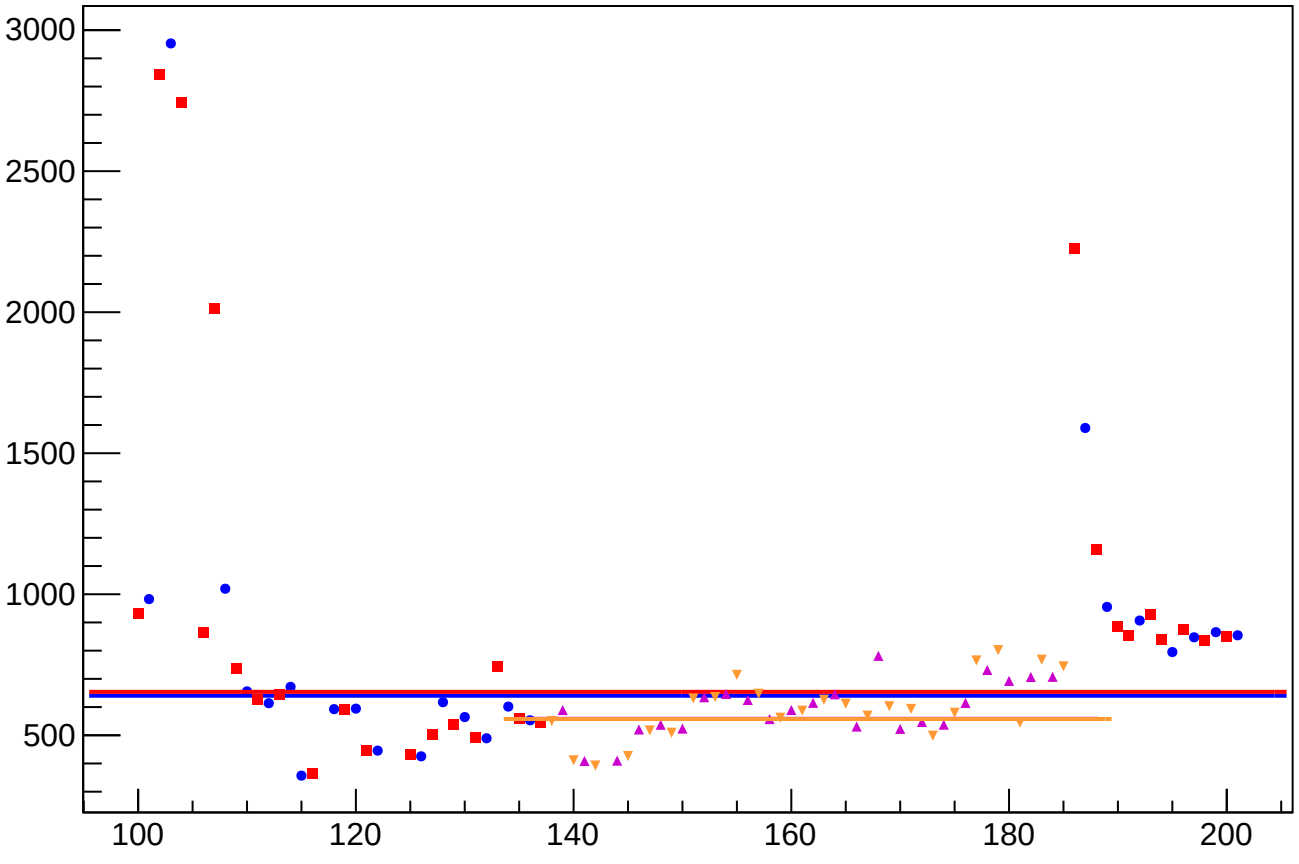
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -20.830+/-136.764 χ^2/NDF: 66.0/49

In: -64.043+/-109.299 χ^2/NDF:53.3/45

Out: -262.237+/-109.073 χ^2/NDF:101.1/50

All: -163.344+/-77.206 χ^2/NDF: 156.0/96



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: 654.035+/-0.137 χ^2/NDF: 3920711.7/26

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

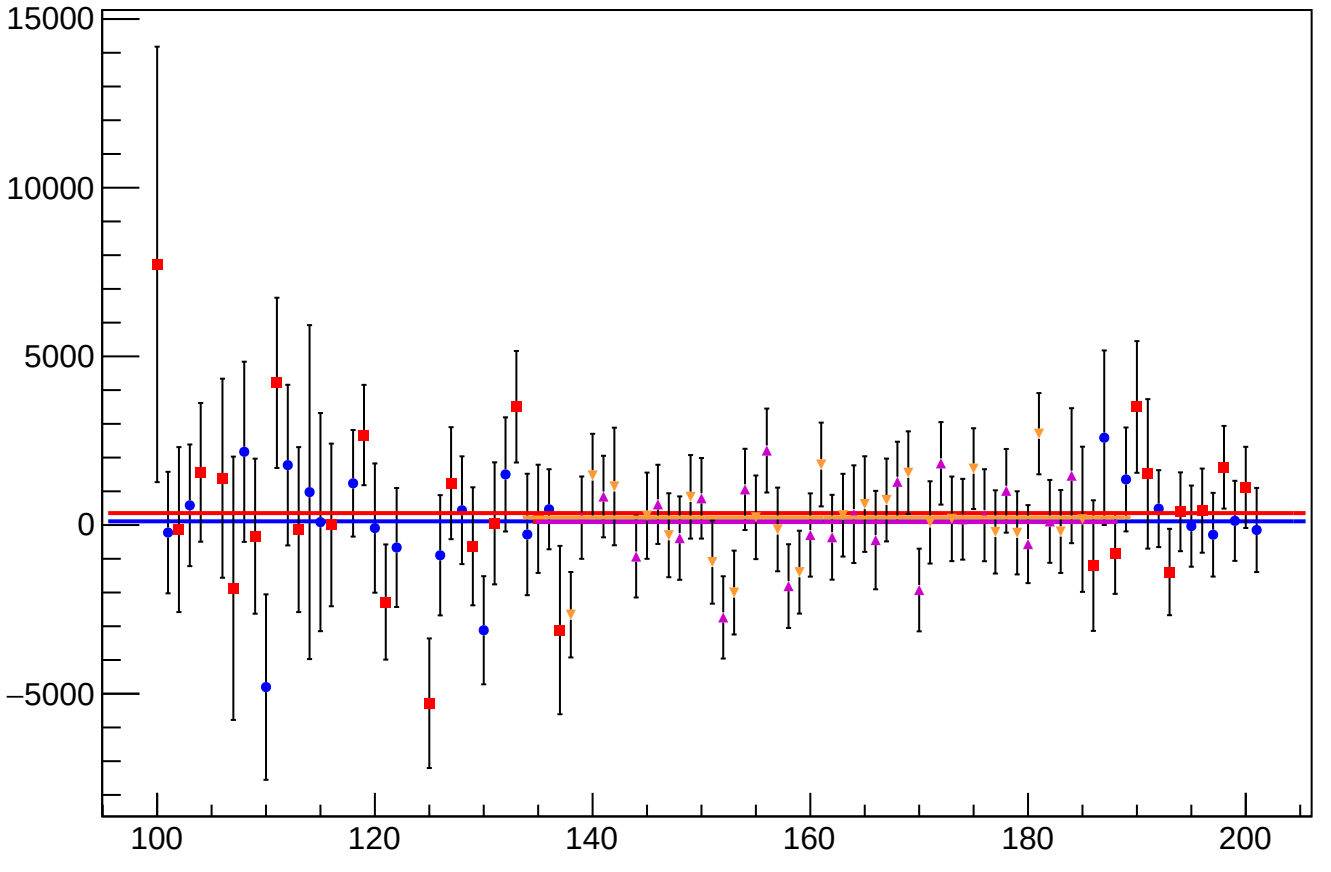
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 647.089+/-0.097 χ^2/NDF: 6433964.9/49

In: 584.566+/-0.077 χ^2/NDF:3779591.2/45

Out: 588.196+/-0.077 χ^2/NDF:5452712.9/50

All: 586.385+/-0.055 χ^2/NDF: 9233409.3/96



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: 354.145+/-332.575 χ^2/NDF: 32.3/26

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

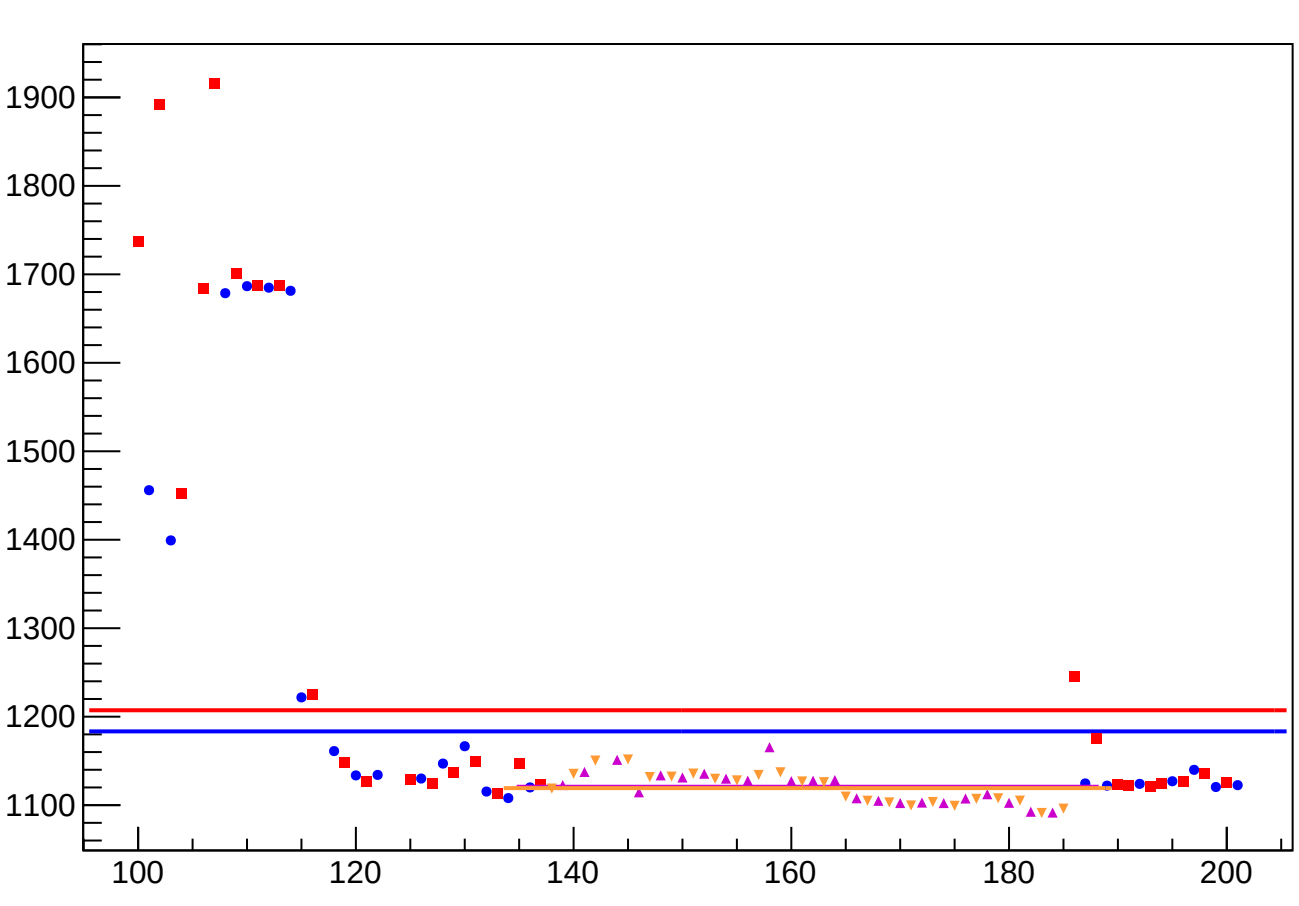
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 234.796+/-237.465 χ^2/NDF: 44.7/49

In: 97.135+/-207.202 χ^2/NDF:32.8/45

Out: 274.360+/-204.750 χ^2/NDF:54.6/50

All: 186.802+/-145.640 χ^2/NDF: 87.7/96



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: 1207.245+/-0.235 χ^2/NDF: 644236.7/26

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

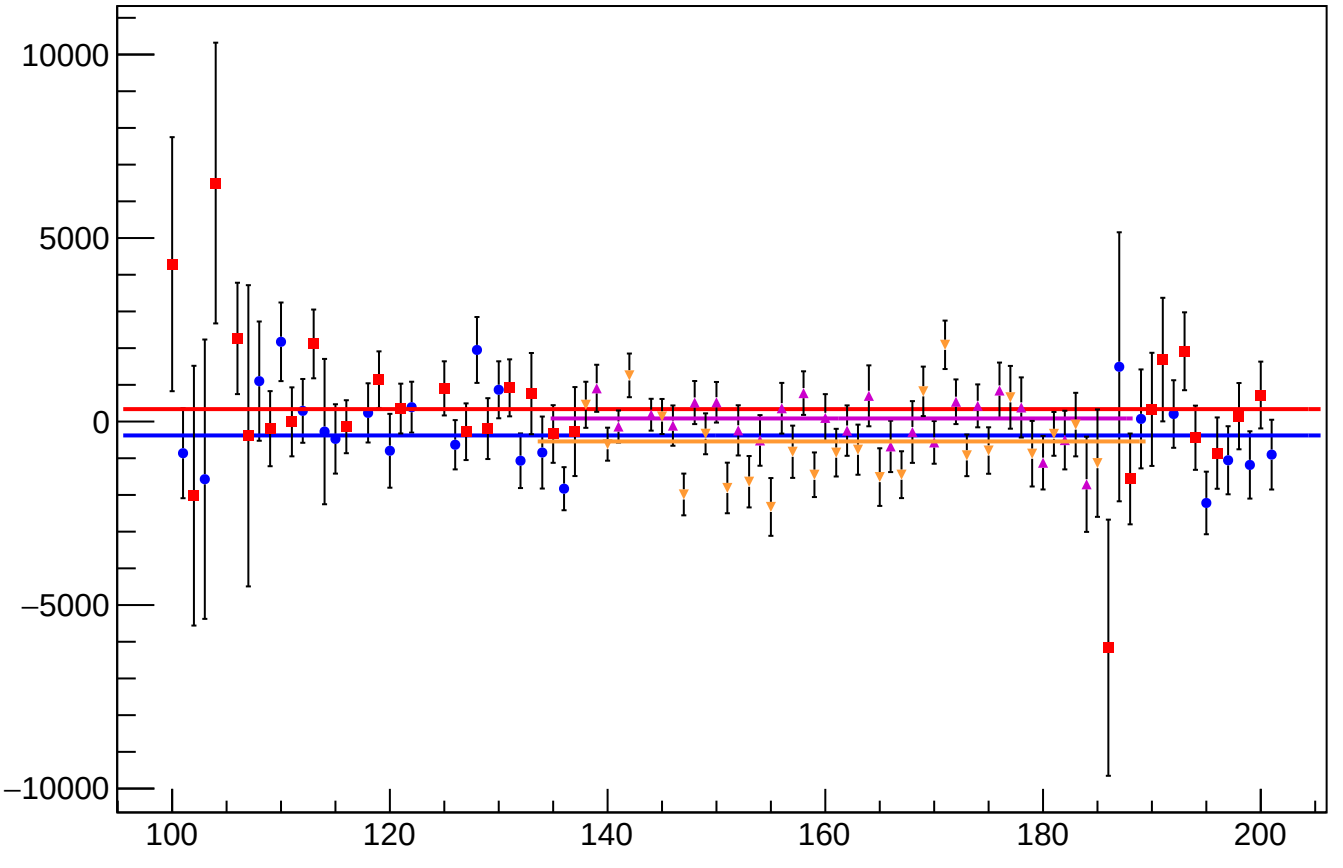
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1195.547+/-0.168 χ^2/NDF: 1014489.6/49

In: 1144.155+/-0.147 χ^2/NDF:417307.4/45

Out: 1152.608+/-0.145 χ^2/NDF:739308.7/50

All: 1148.432+/-0.103 χ^2/NDF: 1158299.9/96



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: 338.744+/-193.626 χ^2/NDF: 26.1/26

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

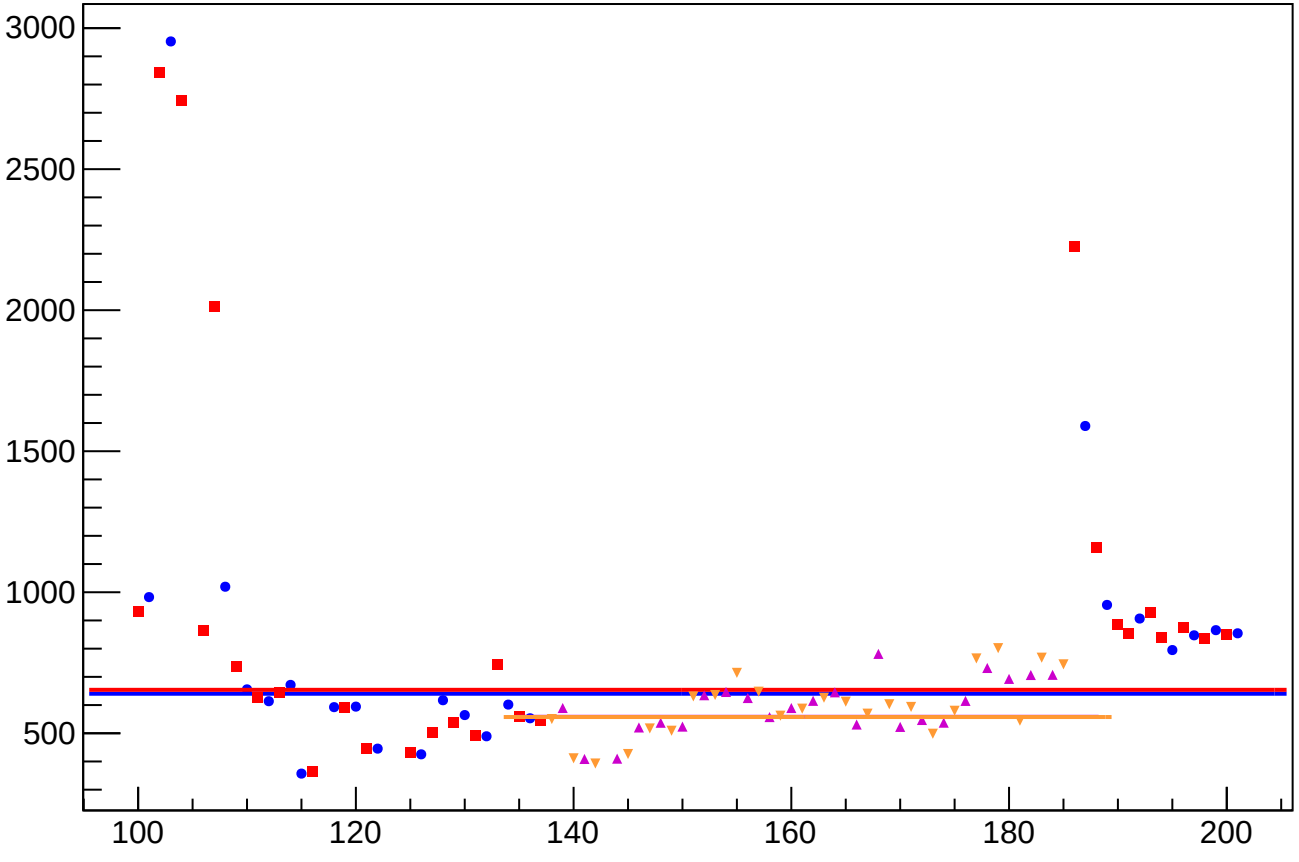
Right: -20.830+/-136.764 χ^2/NDF: 66.0/49

In: -64.042+/-109.299 χ^2/NDF:53.3/45

Out: -262.236+/-109.073 χ^2/NDF:101.1/50

All: -163.344+/-77.206 χ^2/NDF: 156.0/96

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: 654.034+/-0.137 χ^2/NDF: 3920711.8/26

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

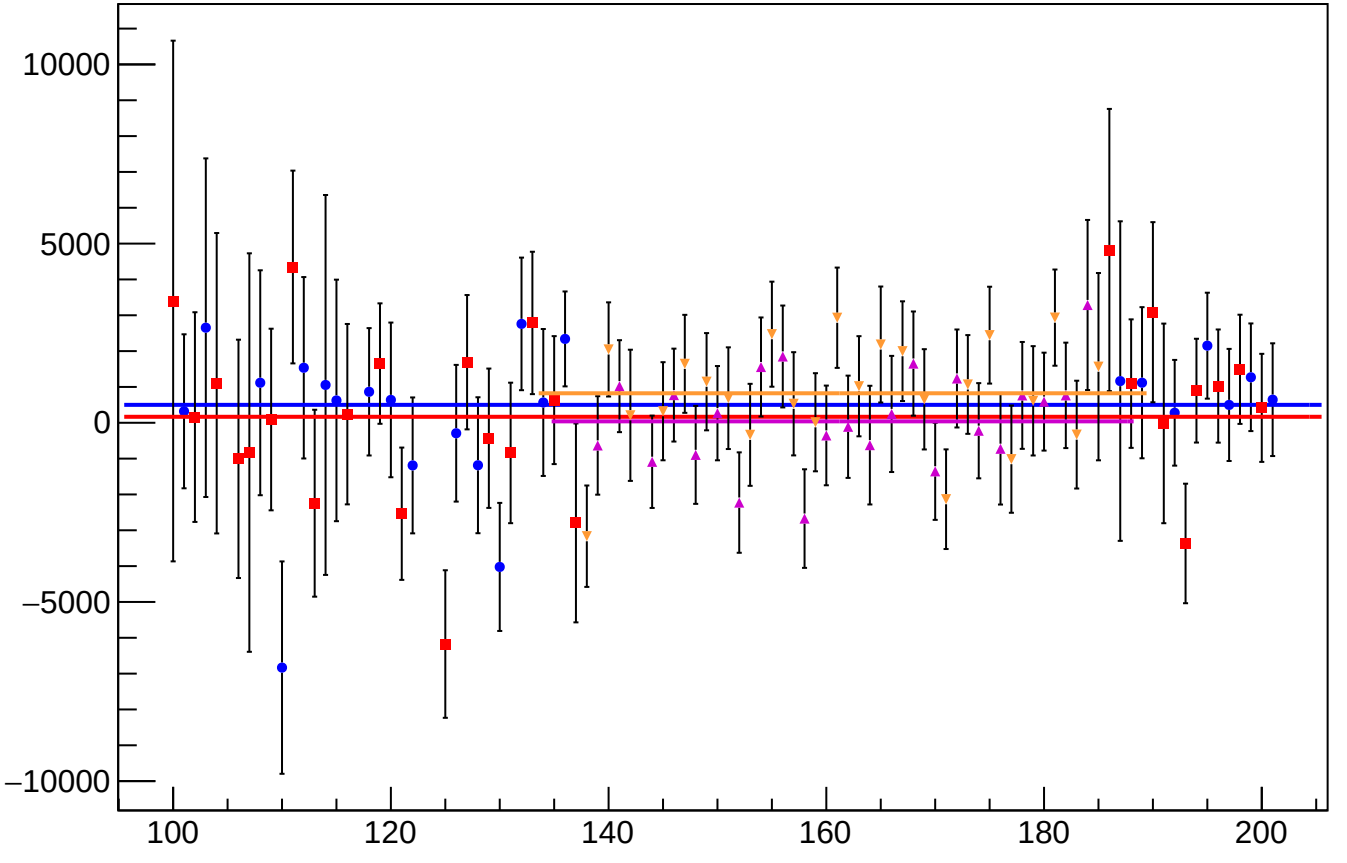
Right: 647.089+/-0.097 χ^2/NDF: 6433960.4/49

In: 584.565+/-0.077 χ^2/NDF:3779603.9/45

Out: 588.195+/-0.077 χ^2/NDF:5452738.1/50

All: 586.384+/-0.055 χ^2/NDF: 9233447.2/96

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 500.161+/-408.914 χ^2/NDF: 19.8/22

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 167.120+/-405.723 χ^2/NDF: 28.9/26

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

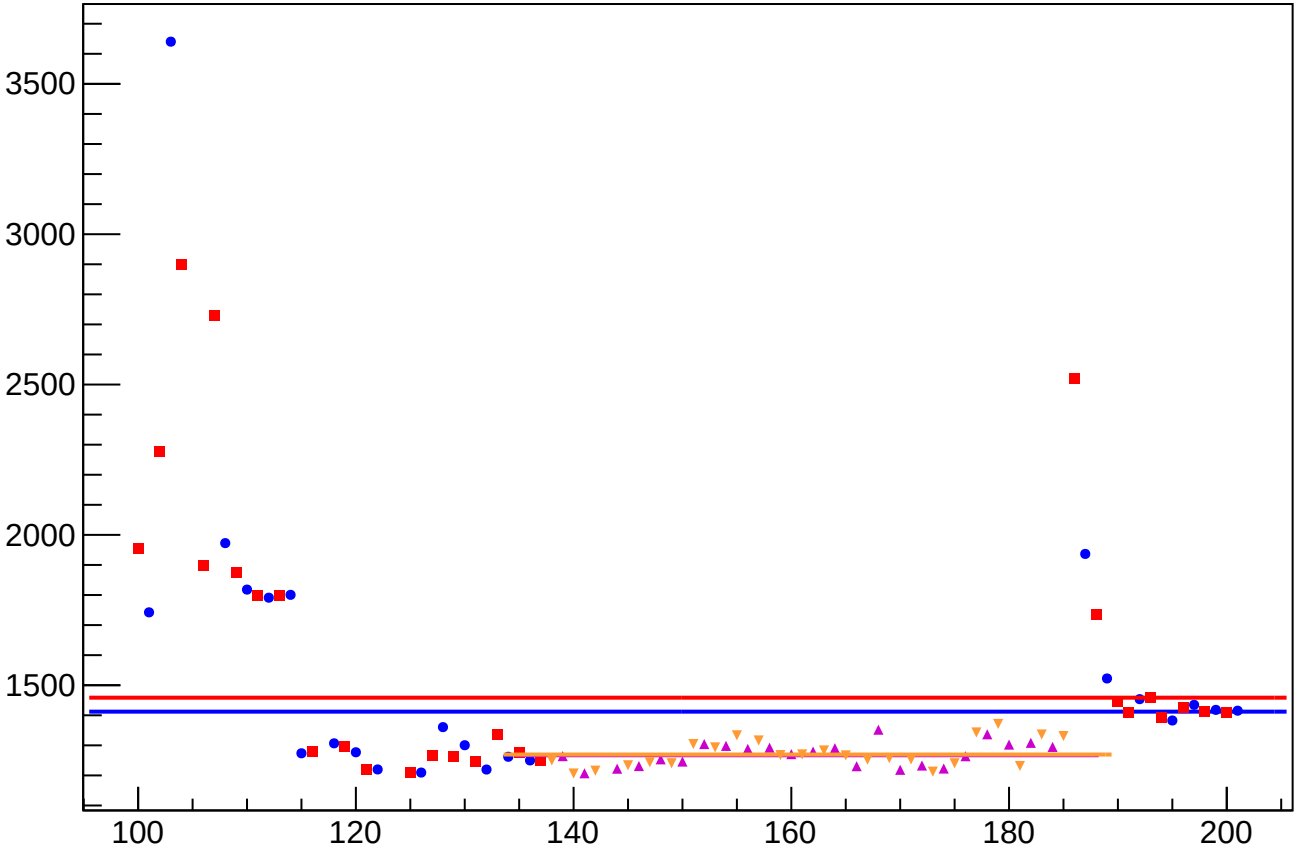
Right: 332.336+/-288.011 χ^2/NDF: 49.1/49

In: 198.020+/-239.777 χ^2/NDF:38.5/45

Out: 596.547+/-238.510 χ^2/NDF:56.8/50

All: 398.339+/-169.098 χ^2/NDF: 96.7/96

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: 1458.547+/-0.287 χ^2/NDF: 1060264.6/26

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

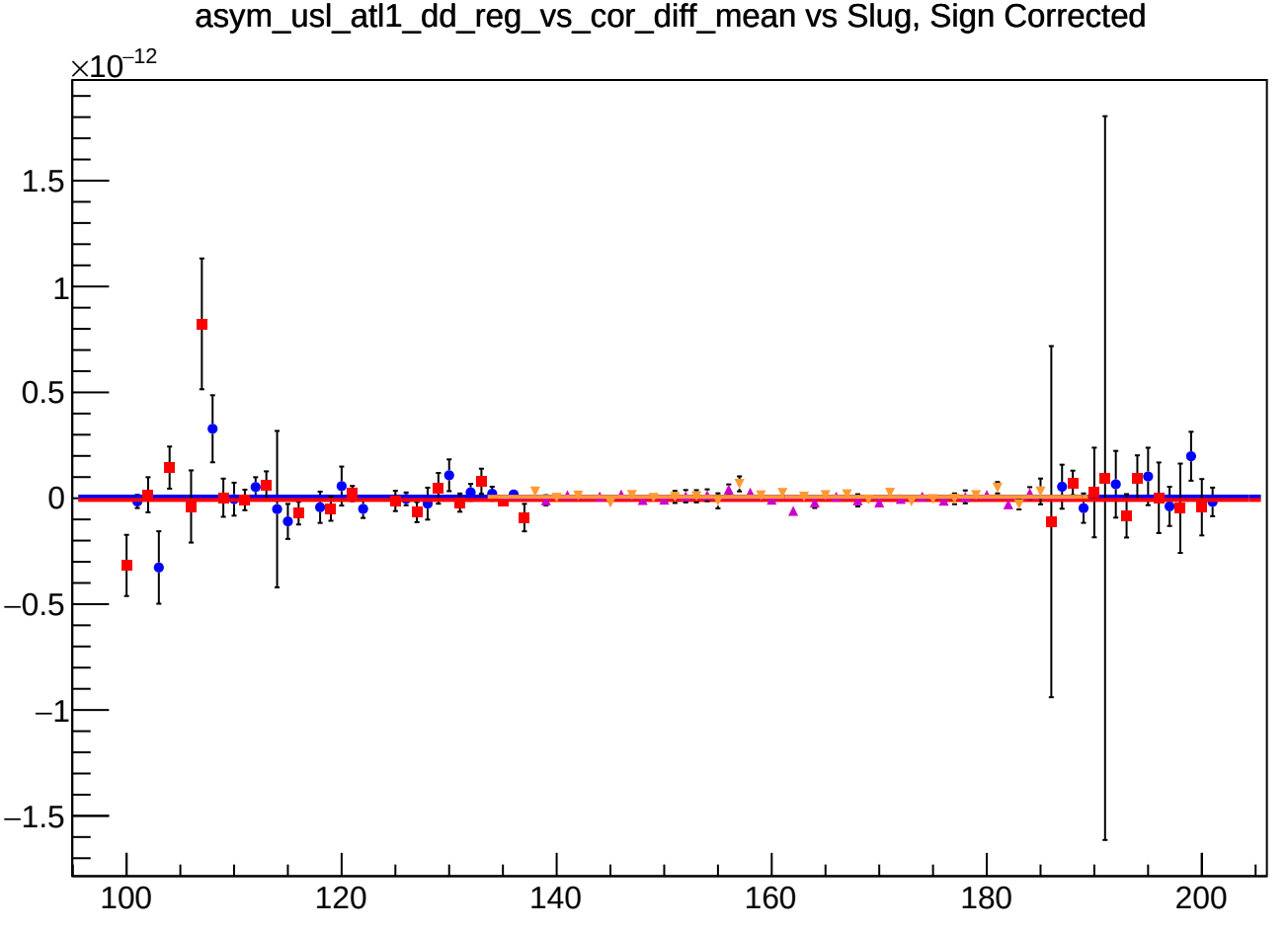
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1435.507+/-0.204 χ^2/NDF: 1891269.4/49

In: 1316.935+/-0.170 χ^2/NDF:1017651.0/45

Out: 1334.793+/-0.169 χ^2/NDF:1387643.7/50

All: 1325.911+/-0.120 χ^2/NDF: 2410870.7/96



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: 27.7/26

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

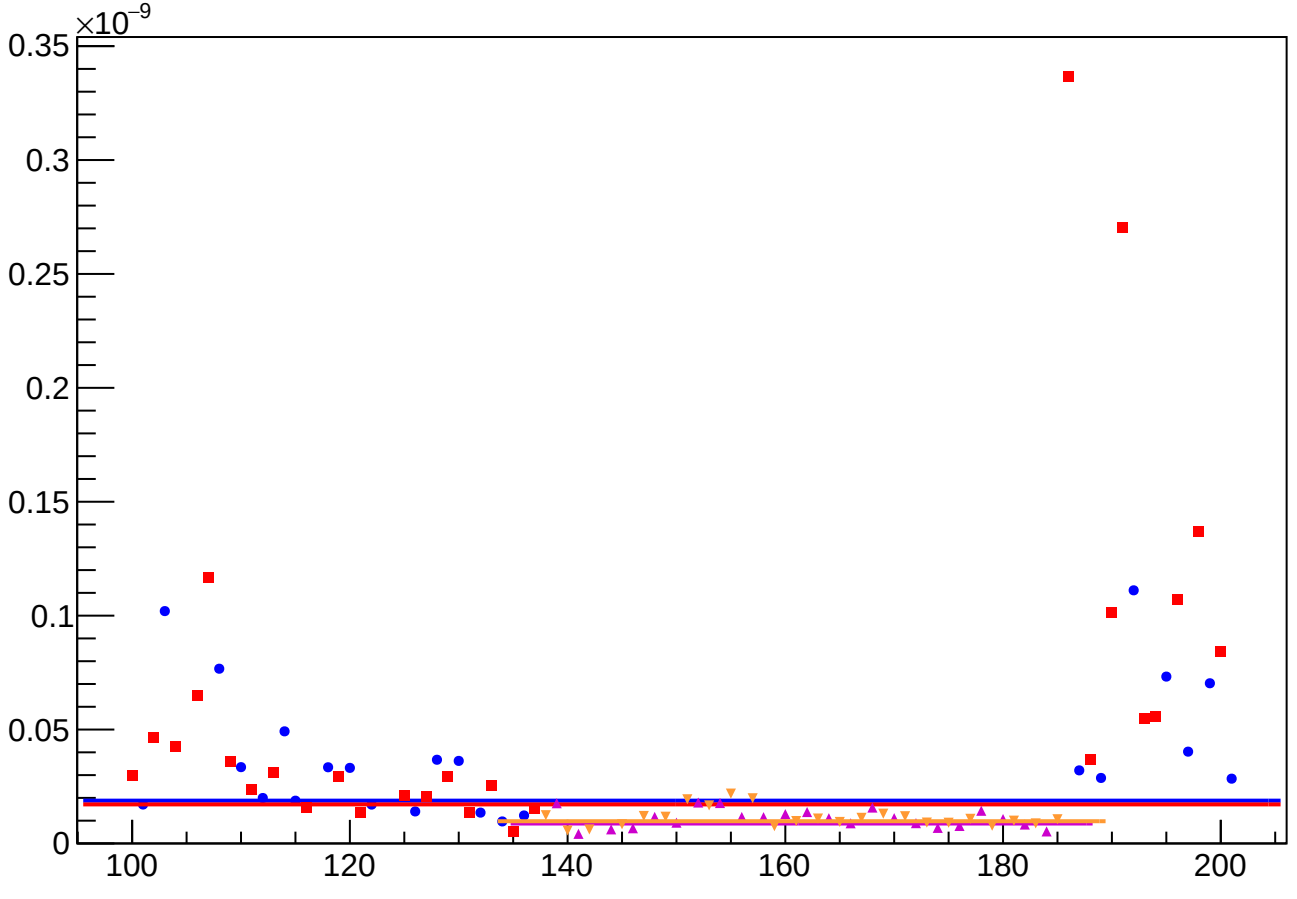
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.3/49

In: 0.000+/-0.000 χ^2/NDF:44.6/45

Out: 0.000+/-0.000 χ^2/NDF:49.3/50

All: 0.000+/-0.000 χ^2/NDF: 93.9/96



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: 5550949.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

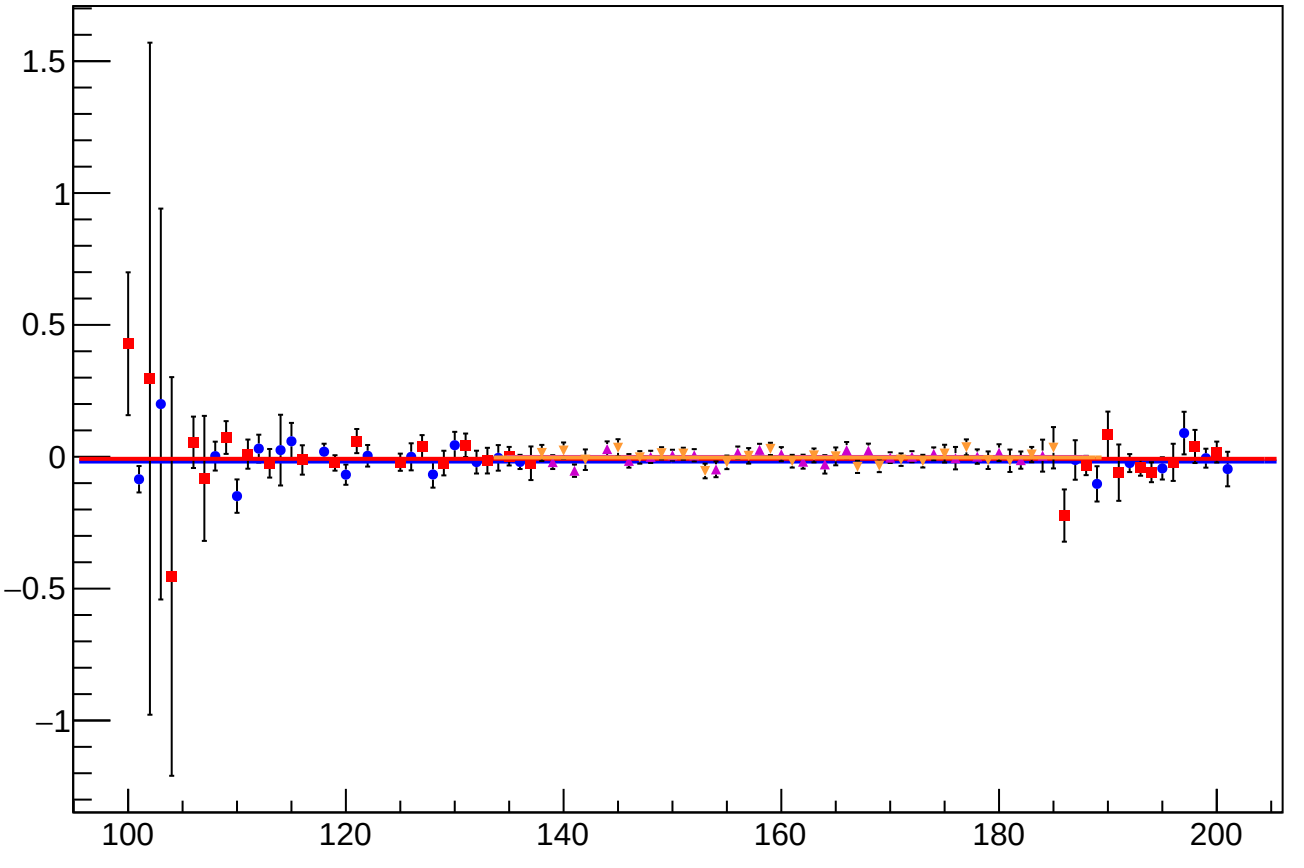
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 8858014.7/49

In: 0.000+/-0.000 χ^2/NDF:6868739.5/45

Out: 0.000+/-0.000 χ^2/NDF:7827181.0/50

All: 0.000+/-0.000 χ^2/NDF: 14749882.5/96



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: 21.0/26

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

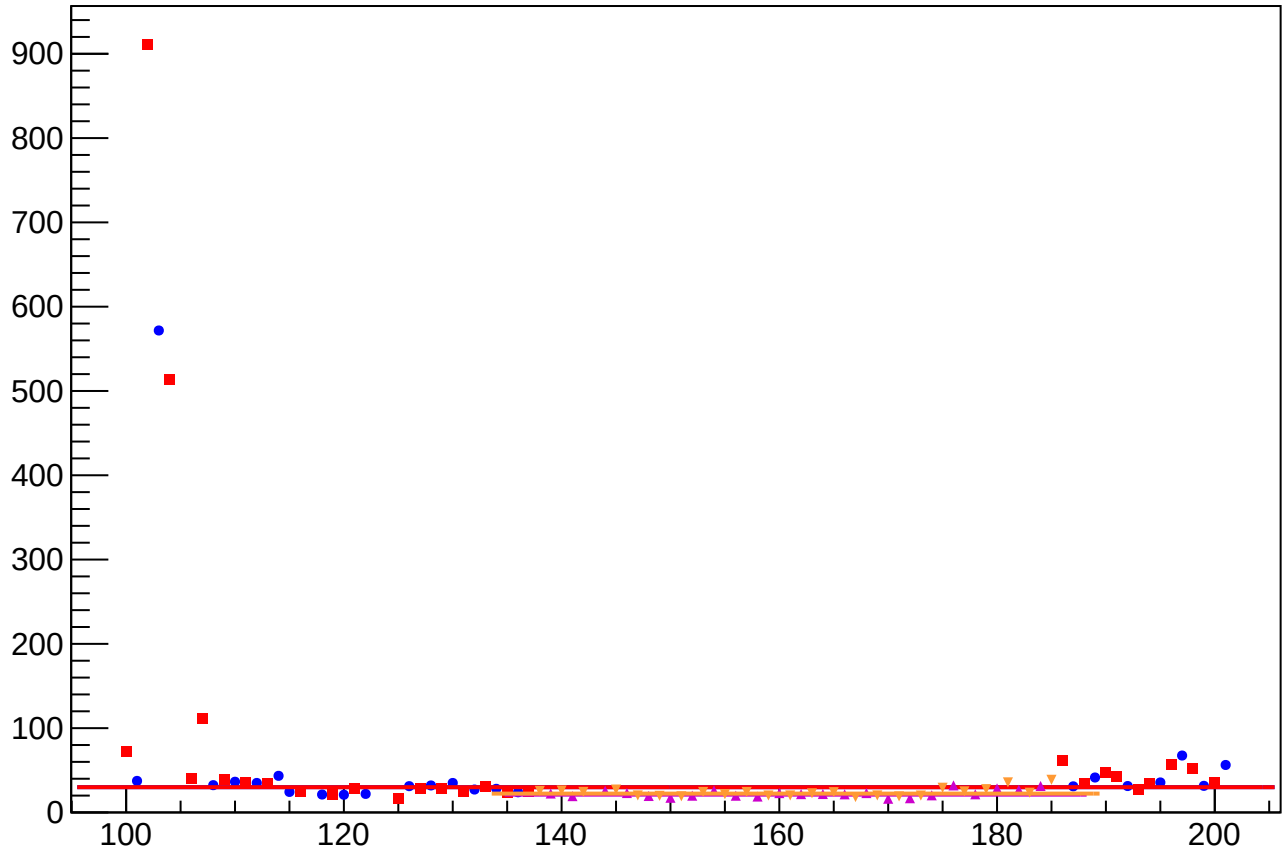
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.013+/-0.007 χ^2/NDF: 40.3/49

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.6/96



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: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

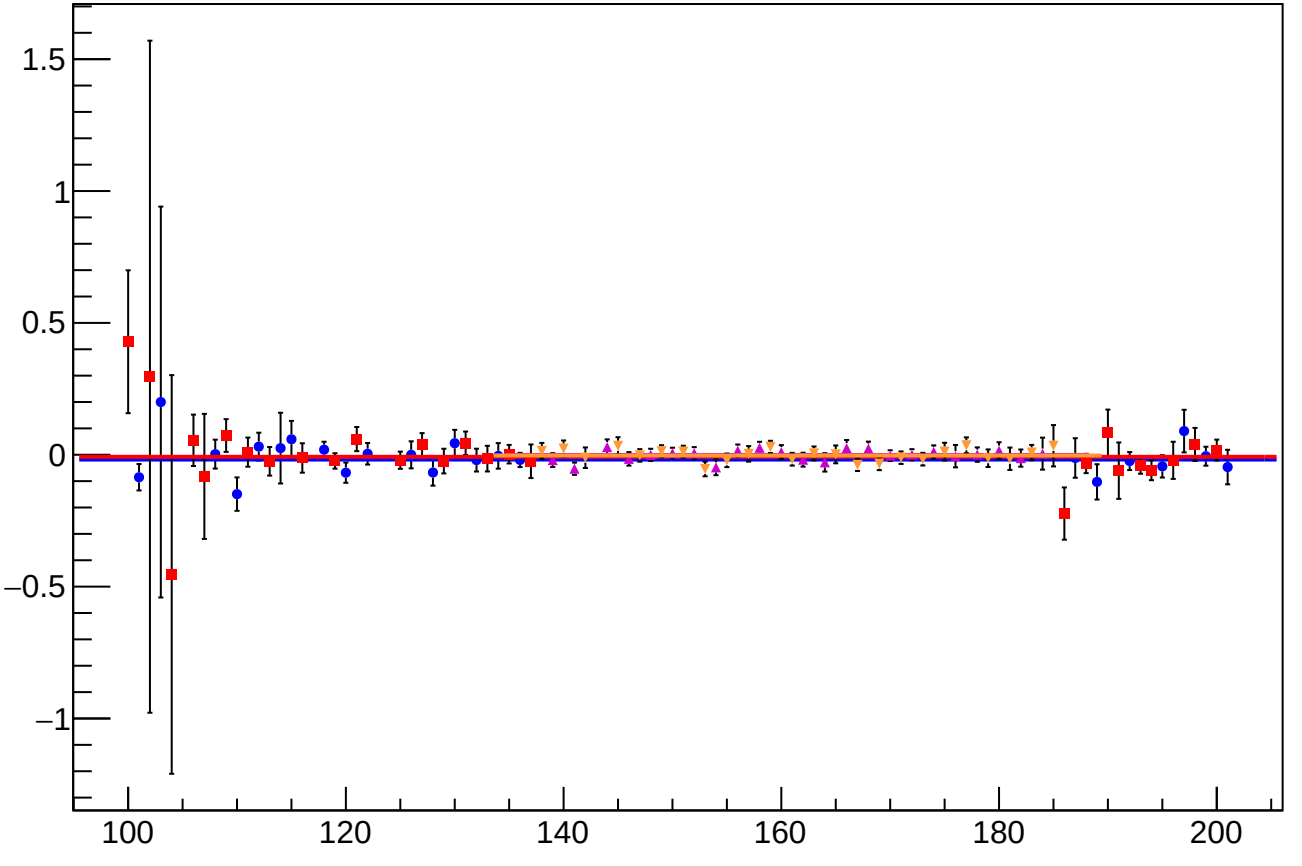
Right: 29.979+/-0.005 χ^2/NDF: 6296028.5/49

In: 23.218+/-0.003 χ^2/NDF:4614195.3/45

Out: 24.314+/-0.003 χ^2/NDF:5501907.0/50

All: 23.752+/-0.002 χ^2/NDF: 10167496.8/96

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: 21.0/26

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

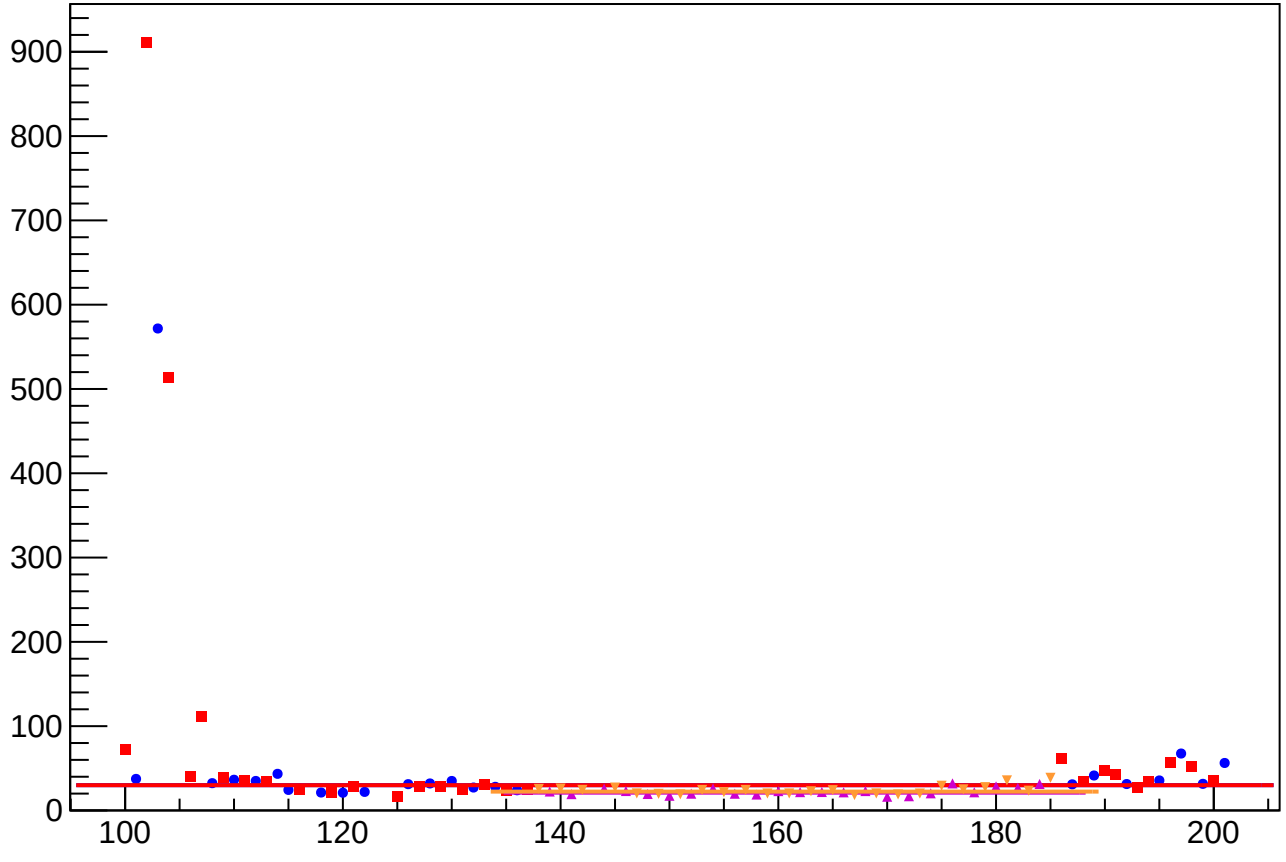
Right: -0.013+/-0.007 χ^2/NDF: 40.3/49

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.6/96

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: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

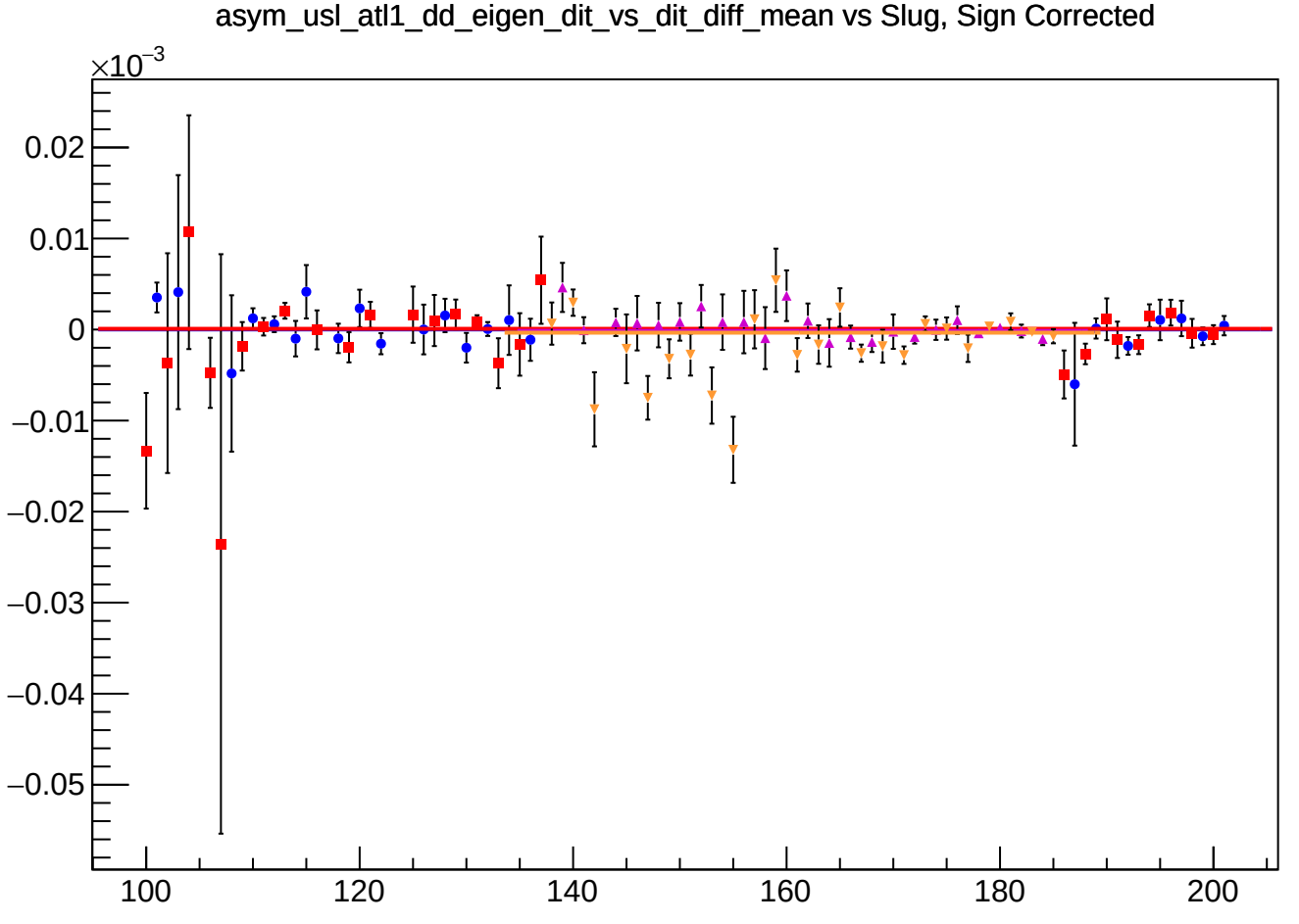
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.979+/-0.005 χ^2/NDF: 6296028.5/49

In: 23.218+/-0.003 χ^2/NDF:4614195.3/45

Out: 24.314+/-0.003 χ^2/NDF:5501907.0/50

All: 23.752+/-0.002 χ^2/NDF: 10167496.8/96



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: 37.8/26

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

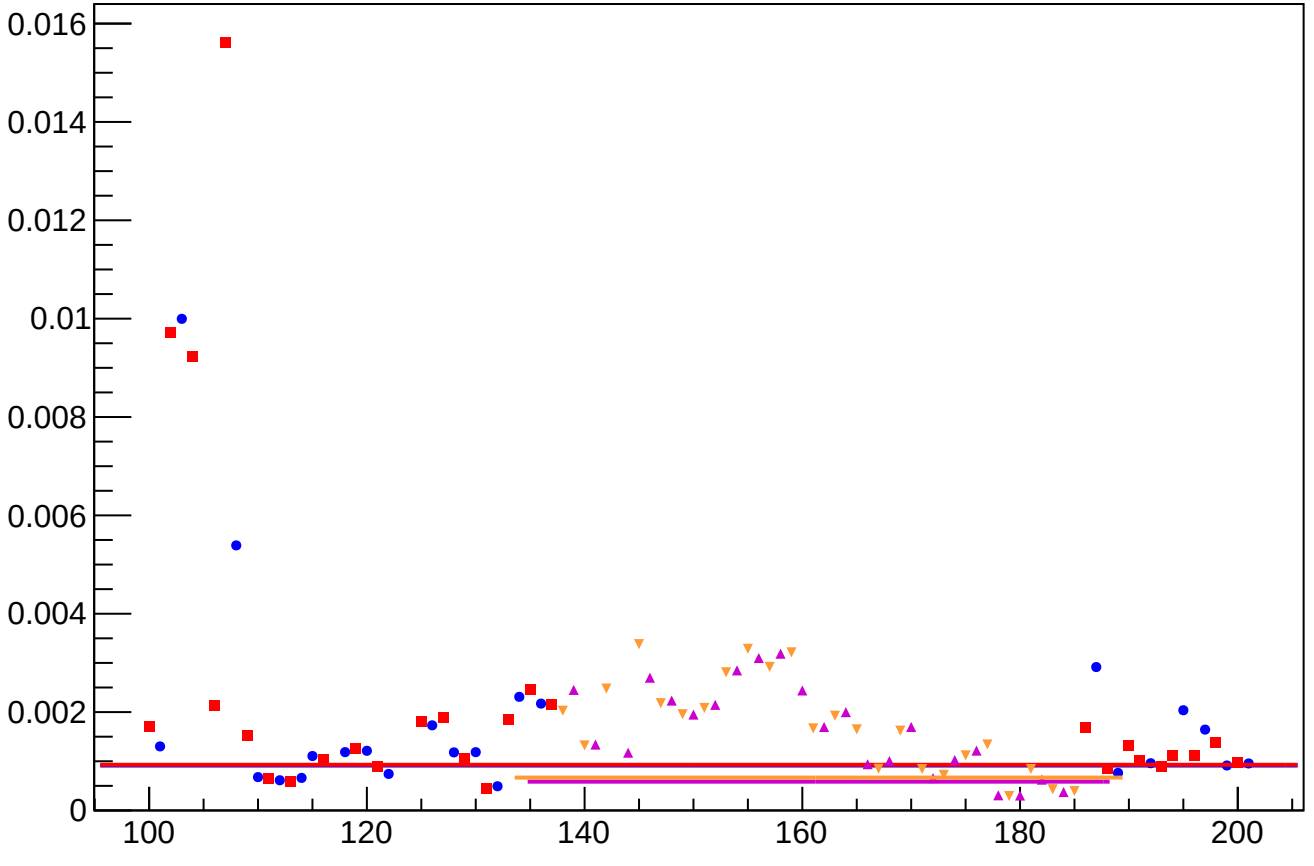
Right: 0.000+/-0.000 χ^2/NDF: 58.3/49

In: -0.000+/-0.000 χ^2/NDF:34.9/45

Out: -0.000+/-0.000 χ^2/NDF:107.2/50

All: -0.000+/-0.000 χ^2/NDF: 142.4/96

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: 5617510.9/26

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

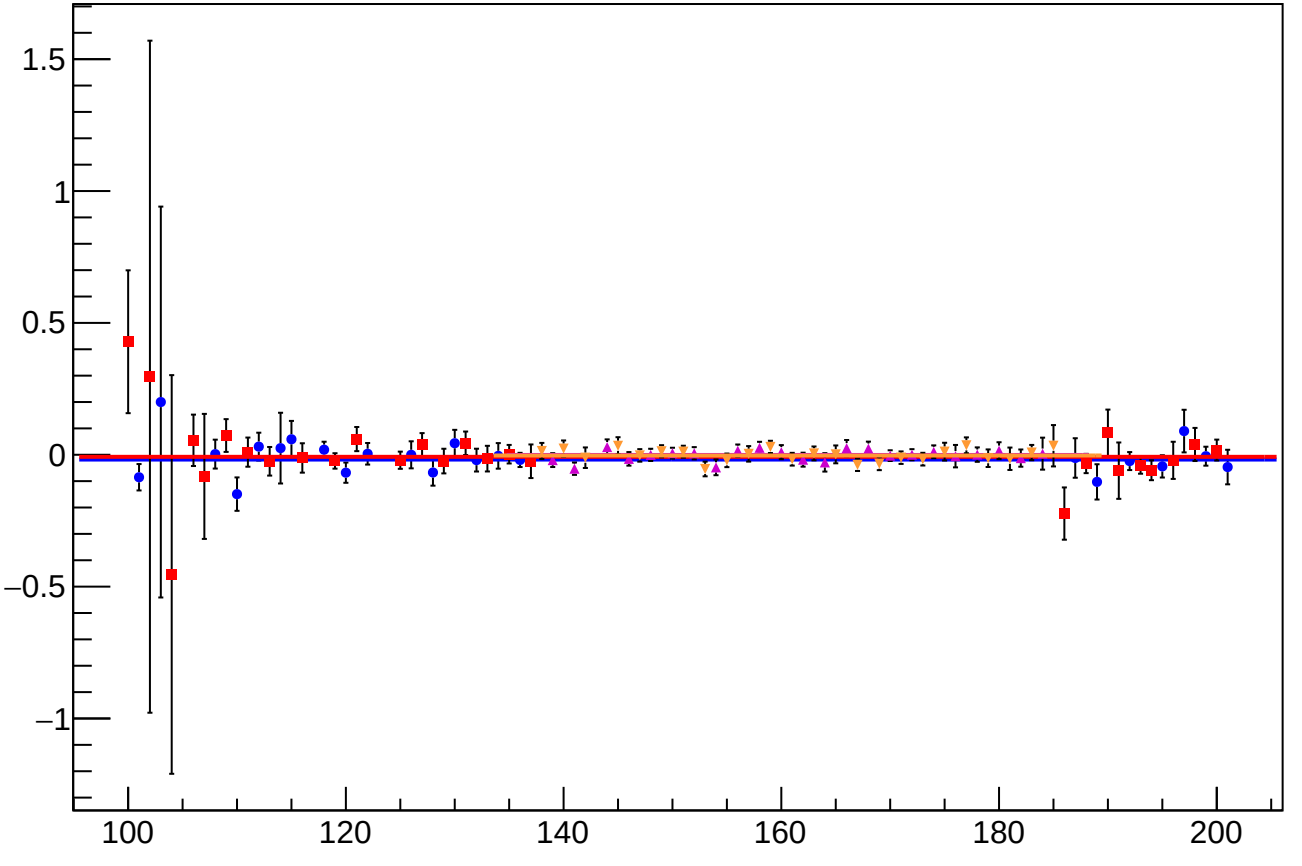
Right: 0.001+/-0.000 χ^2/NDF: 10548001.8/49

In: 0.001+/-0.000 χ^2/NDF:22335223.7/45

Out: 0.001+/-0.000 χ^2/NDF:22015182.7/50

All: 0.001+/-0.000 χ^2/NDF: 44541149.8/96

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: 20.9/26

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

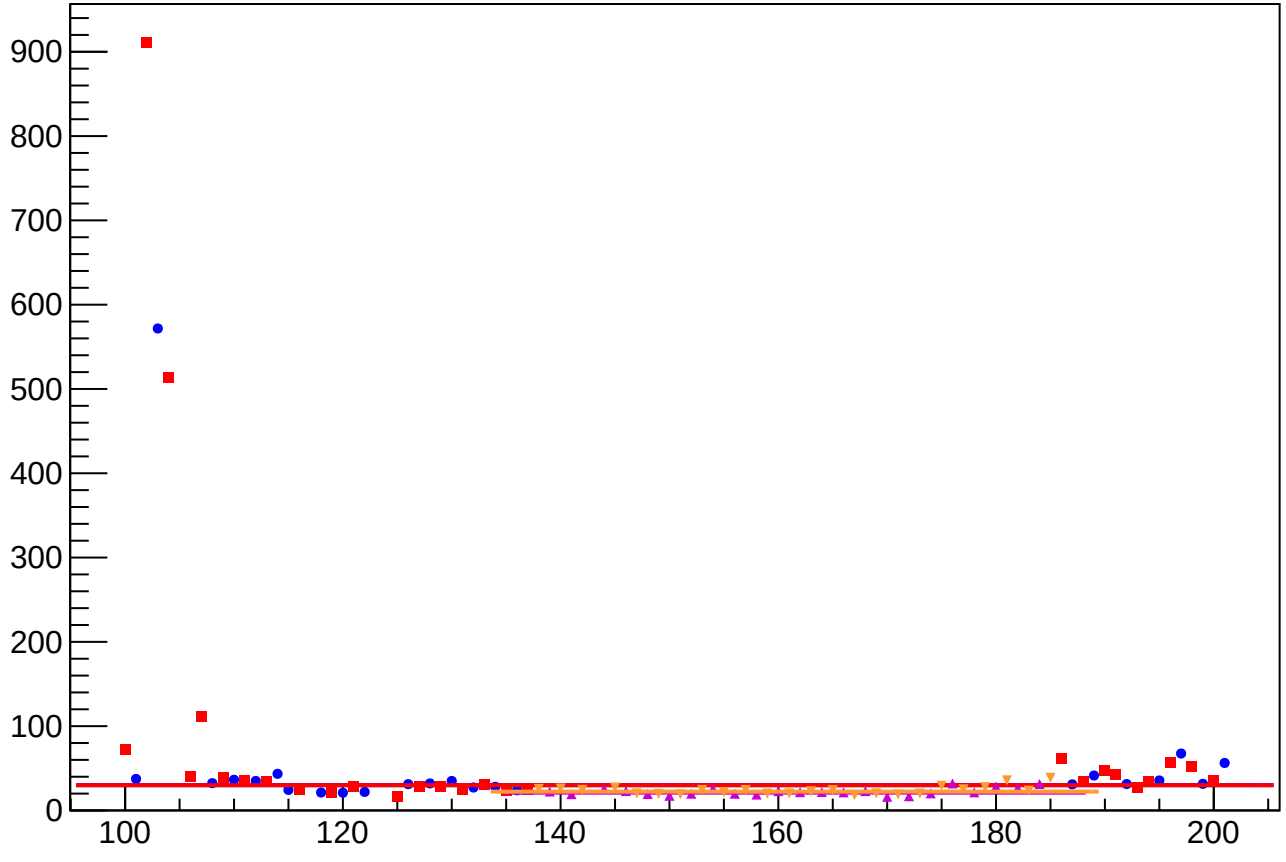
Right: -0.013+/-0.007 χ^2/NDF: 40.3/49

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.6/96

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: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

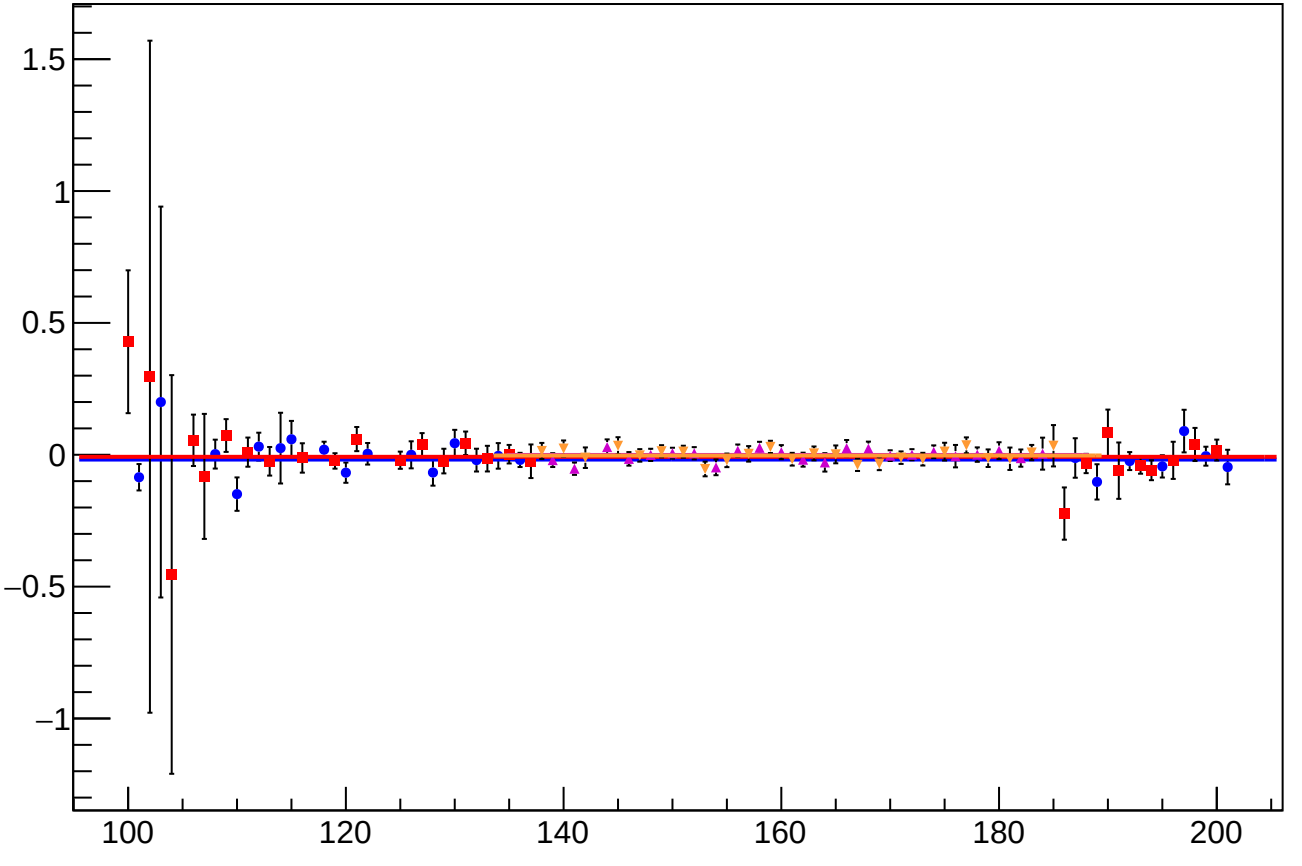
Right: 29.979+/-0.005 χ^2/NDF: 6296063.9/49

In: 23.218+/-0.003 χ^2/NDF:4614218.8/45

Out: 24.314+/-0.003 χ^2/NDF:5501908.8/50

All: 23.752+/-0.002 χ^2/NDF: 10167520.2/96

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: 20.9/26

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

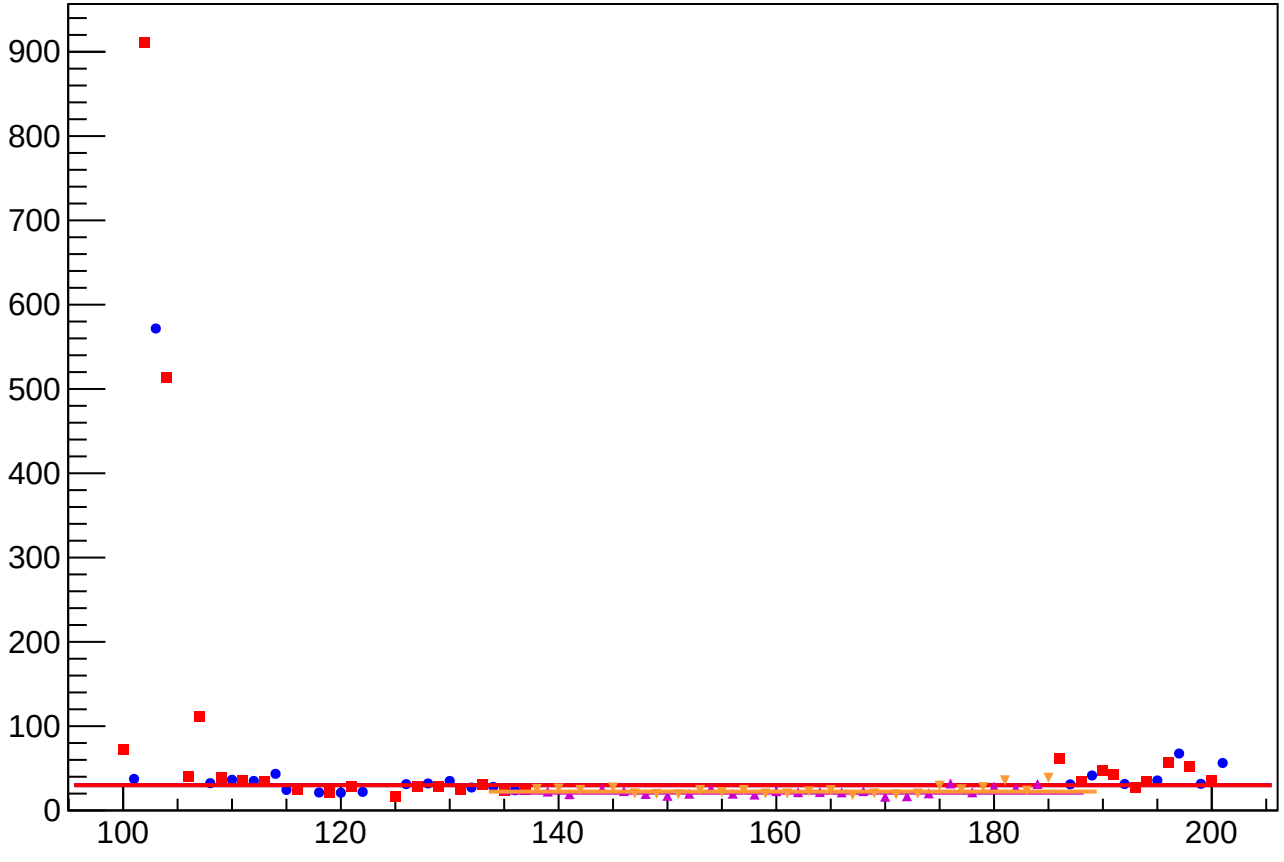
Right: -0.013+/-0.007 χ^2/NDF: 40.3/49

In: -0.005+/-0.005 χ^2/NDF:36.1/45

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.6/96

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: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

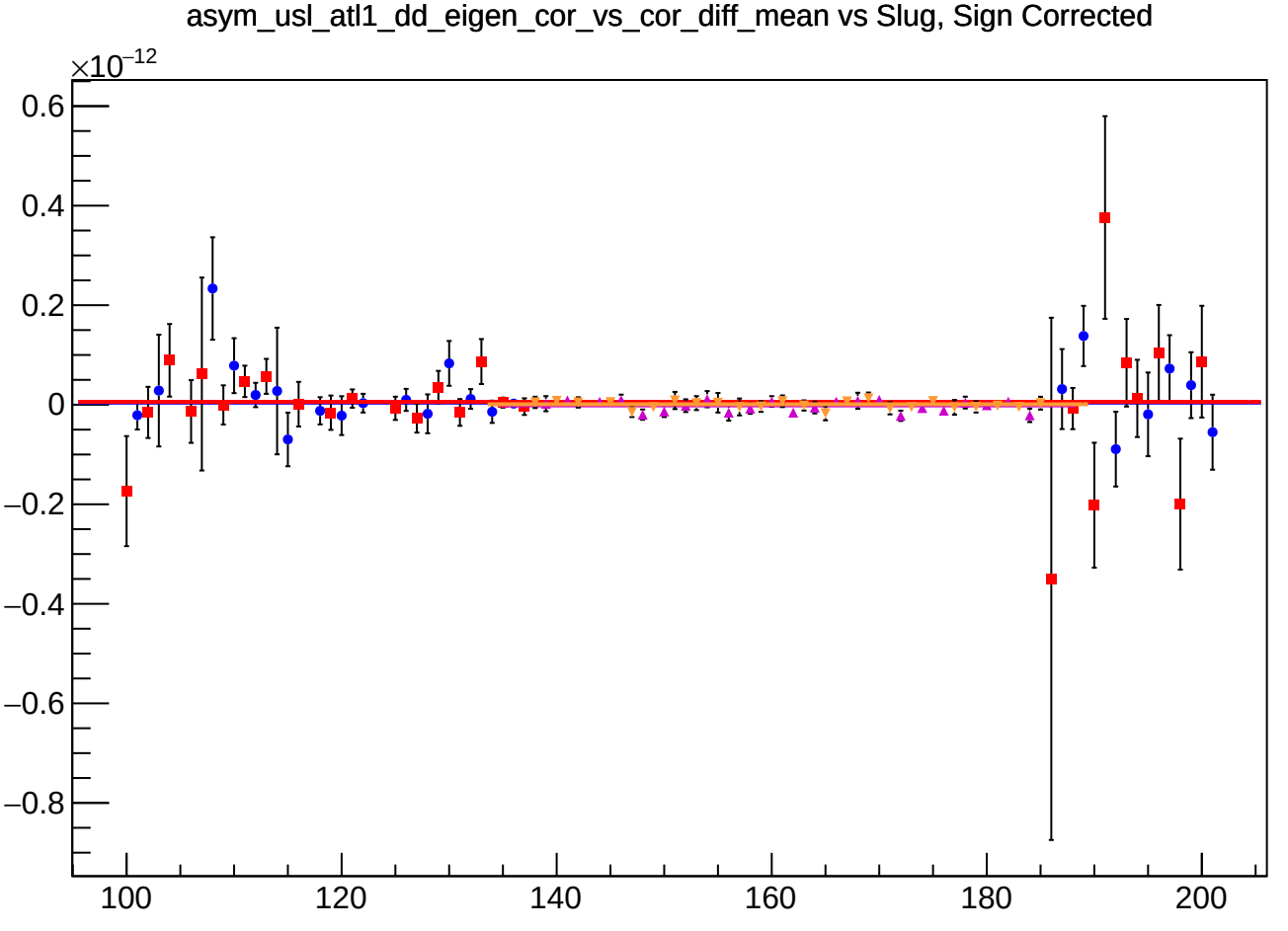
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.979+/-0.005 χ^2/NDF: 6296063.9/49

In: 23.218+/-0.003 χ^2/NDF:4614218.8/45

Out: 24.314+/-0.003 χ^2/NDF:5501908.8/50

All: 23.752+/-0.002 χ^2/NDF: 10167520.2/96



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: 26.7/26

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

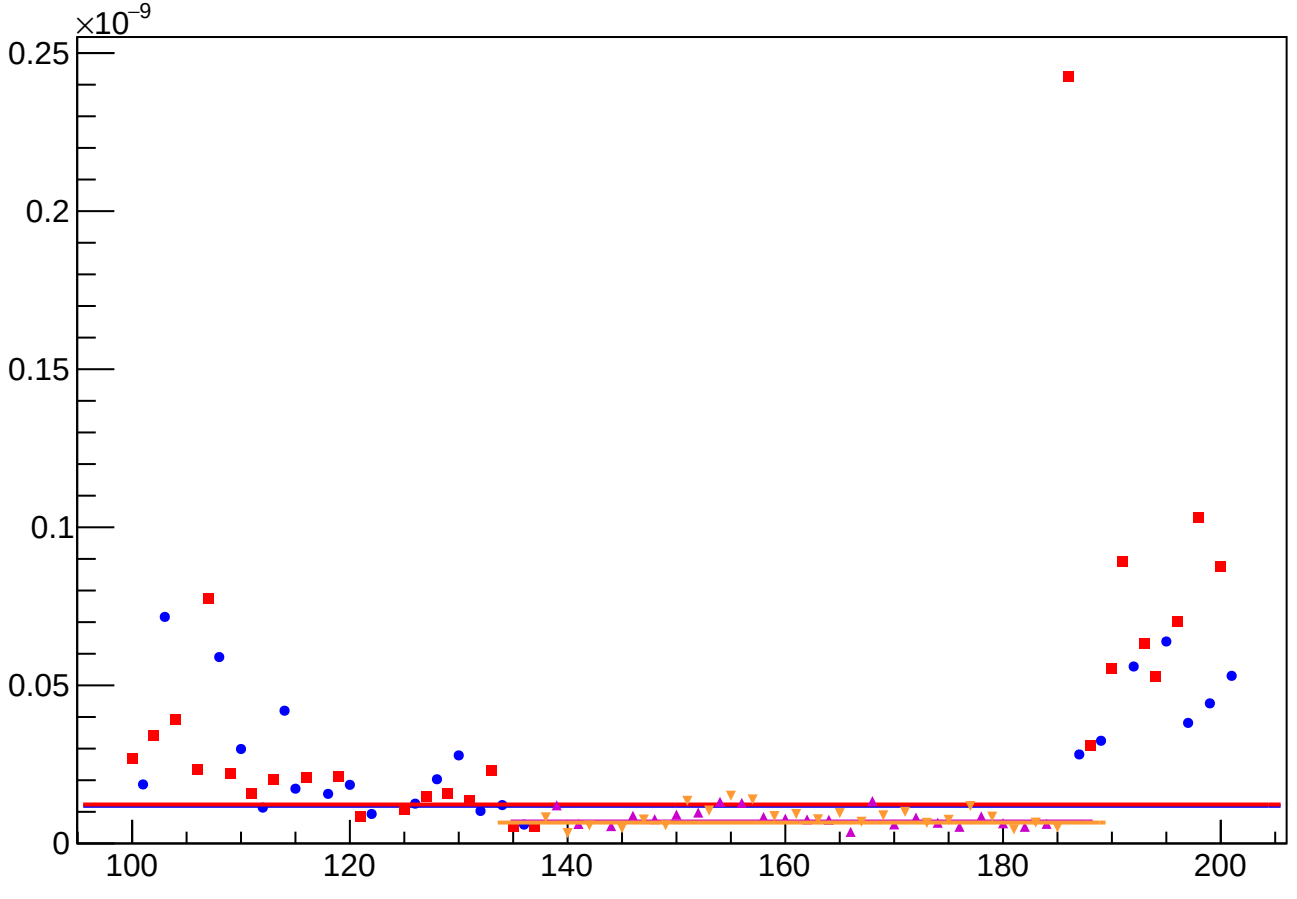
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 50.4/49

In: -0.000+/-0.000 χ^2/NDF:50.3/45

Out: 0.000+/-0.000 χ^2/NDF:38.8/50

All: 0.000+/-0.000 χ^2/NDF: 89.7/96



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: 8041623.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

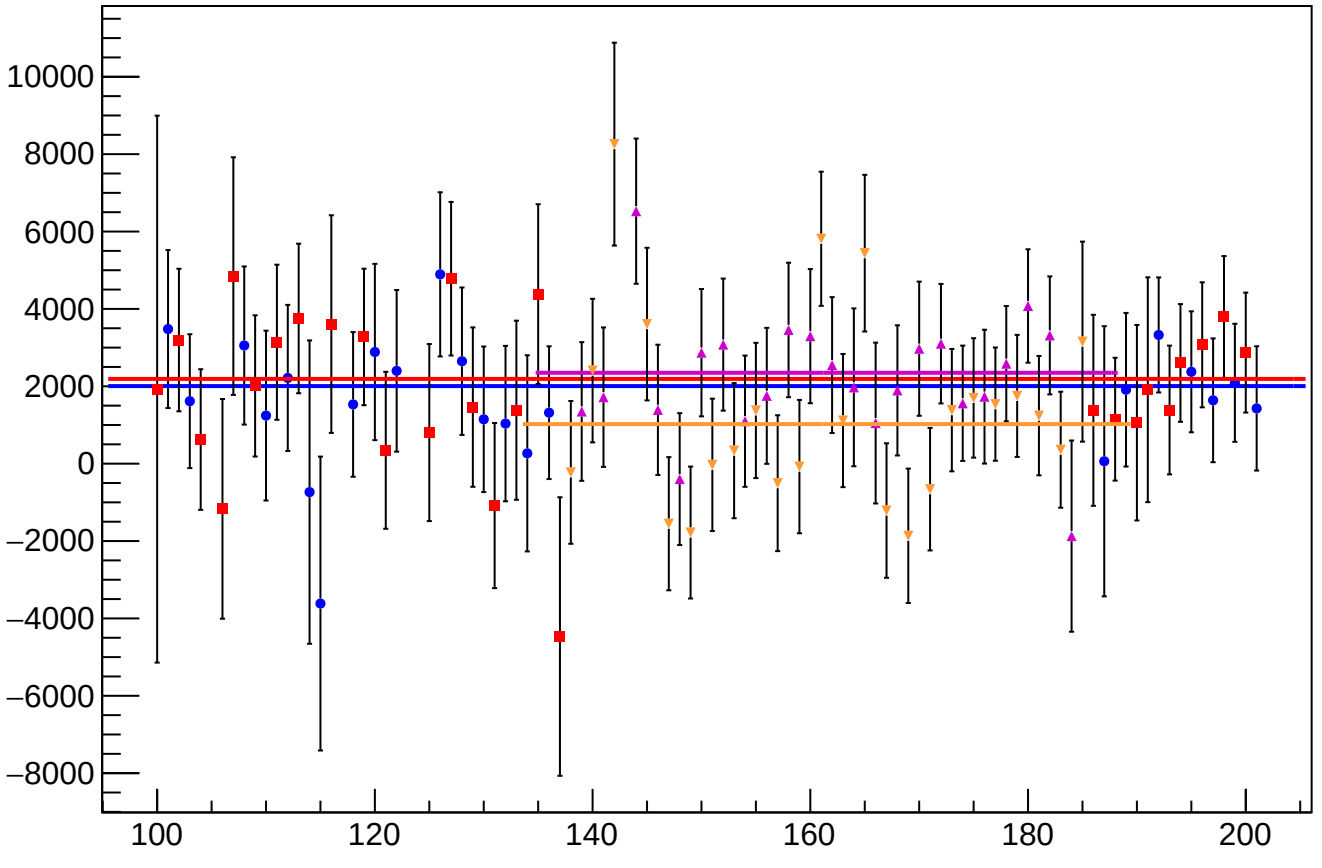
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14113206.2/49

In: 0.000+/-0.000 χ^2/NDF:9765301.1/45

Out: 0.000+/-0.000 χ^2/NDF:13153878.6/50

All: 0.000+/-0.000 χ^2/NDF: 22950224.4/96



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: 2191.052+/-391.167 χ^2/NDF: 17.1/26

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

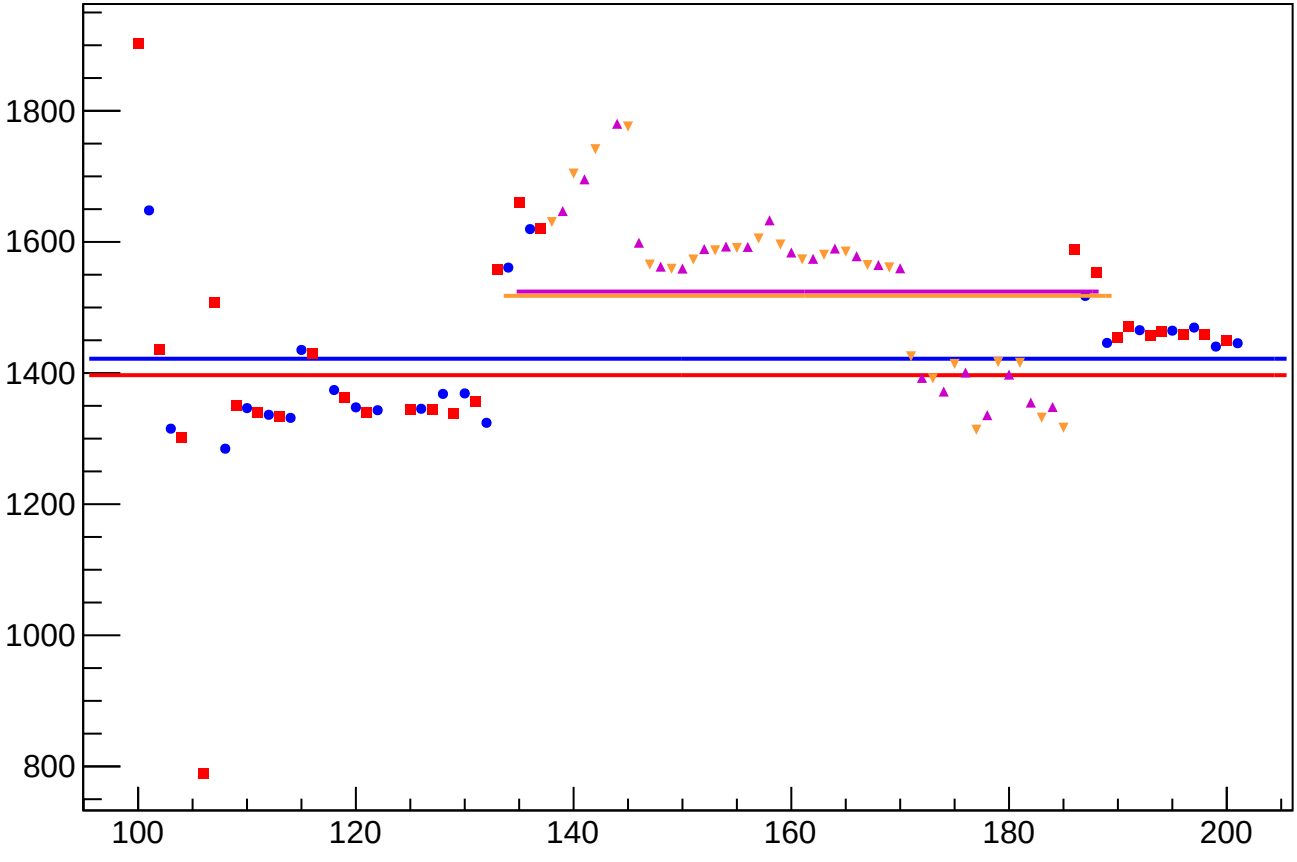
Right: 2101.548+/-281.633 χ^2/NDF: 25.5/49

In: 2199.092+/-268.072 χ^2/NDF:24.7/45

Out: 1547.808+/-262.254 χ^2/NDF:58.5/50

All: 1866.306+/-187.465 χ^2/NDF: 86.1/96

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: 1396.789+/-0.272 χ^2/NDF: 393807.6/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

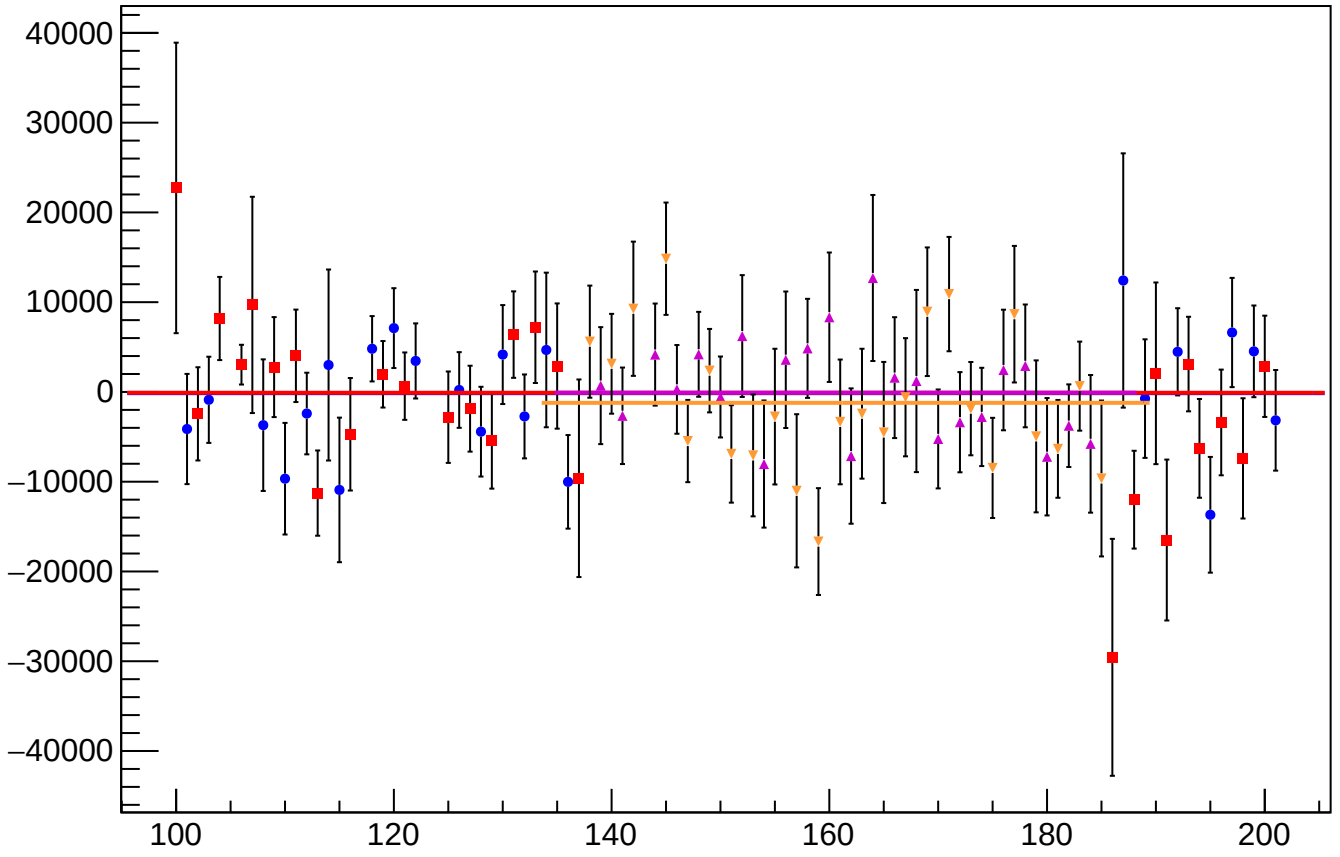
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1408.631+/-0.197 χ^2/NDF: 503378.8/49

In: 1479.603+/-0.190 χ^2/NDF:401733.9/45

Out: 1462.319+/-0.184 χ^2/NDF:735286.5/50

All: 1470.700+/-0.132 χ^2/NDF: 1141302.7/96



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: -92.963+/-994.731 χ^2/NDF: 37.5/26

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

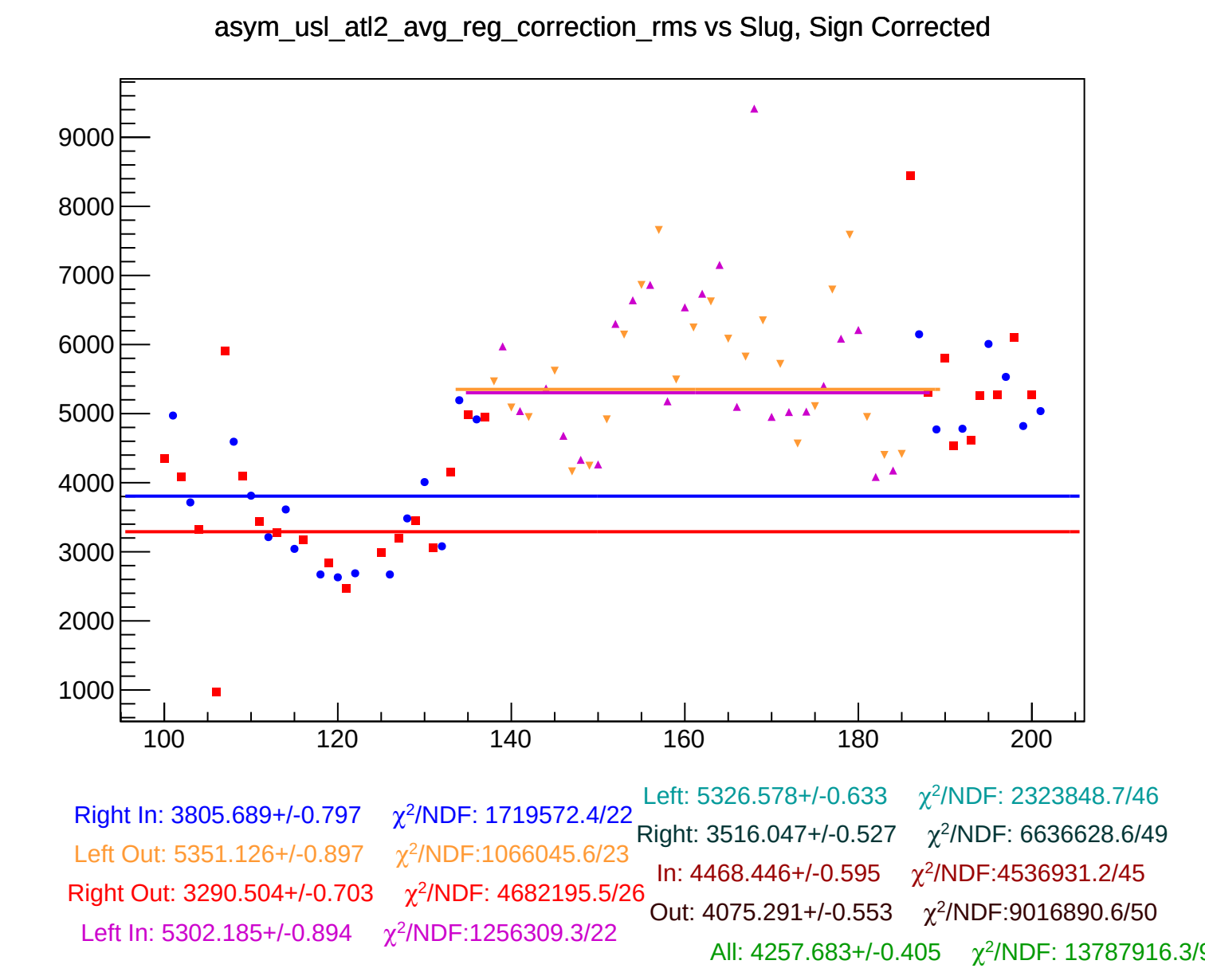
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

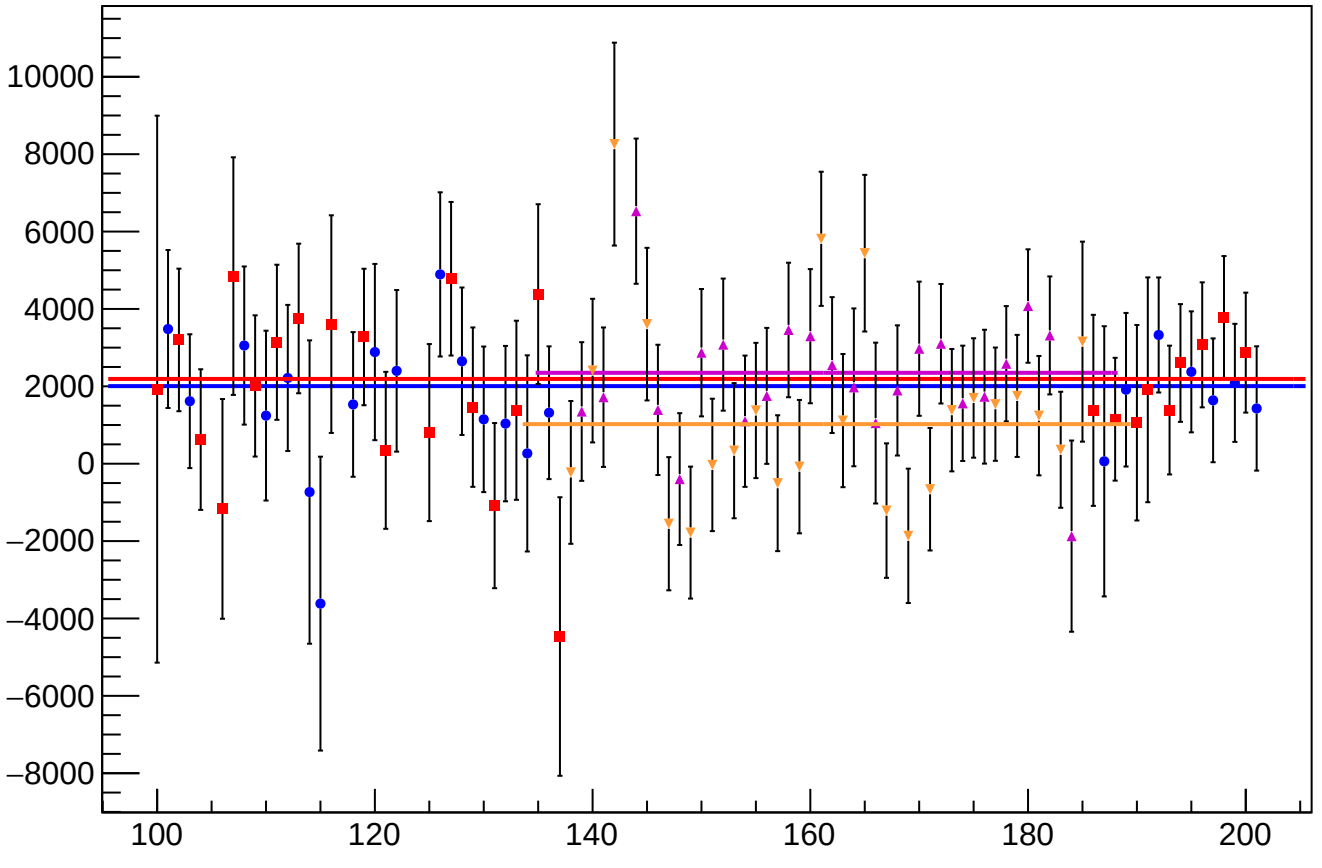
Right: -111.223+/-745.856 χ^2/NDF: 61.9/49

In: -110.805+/-841.393 χ^2/NDF:37.6/45

Out: -519.107+/-782.715 χ^2/NDF:71.2/50

All: -329.688+/-573.086 χ^2/NDF: 109.0/96


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: 3290.504+/-0.703 χ²/NDF: 4682195.5/26
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3516.047+/-0.527 χ²/NDF: 6636628.6/49
In: 4468.446+/-0.595 χ²/NDF:4536931.2/45
Out: 4075.291+/-0.553 χ²/NDF:9016890.6/50
All: 4257.683+/-0.405 χ²/NDF: 13787916.3/9



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: 2191.175+/-391.169 χ^2/NDF: 17.1/26

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

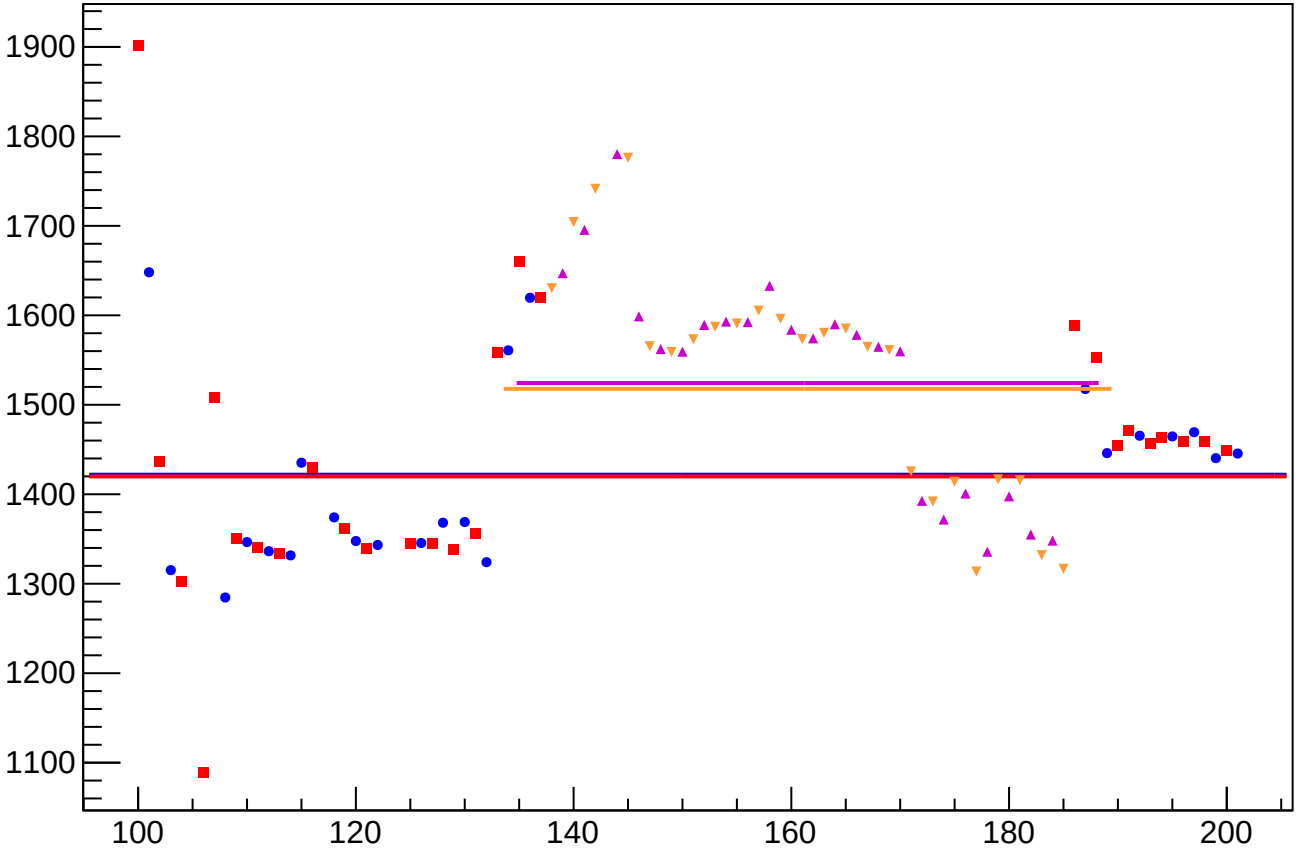
Right: 2101.617+/-281.633 χ^2/NDF: 25.5/49

In: 2199.095+/-268.072 χ^2/NDF:24.7/45

Out: 1547.878+/-262.254 χ^2/NDF:58.5/50

All: 1866.344+/-187.465 χ^2/NDF: 86.1/96

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: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

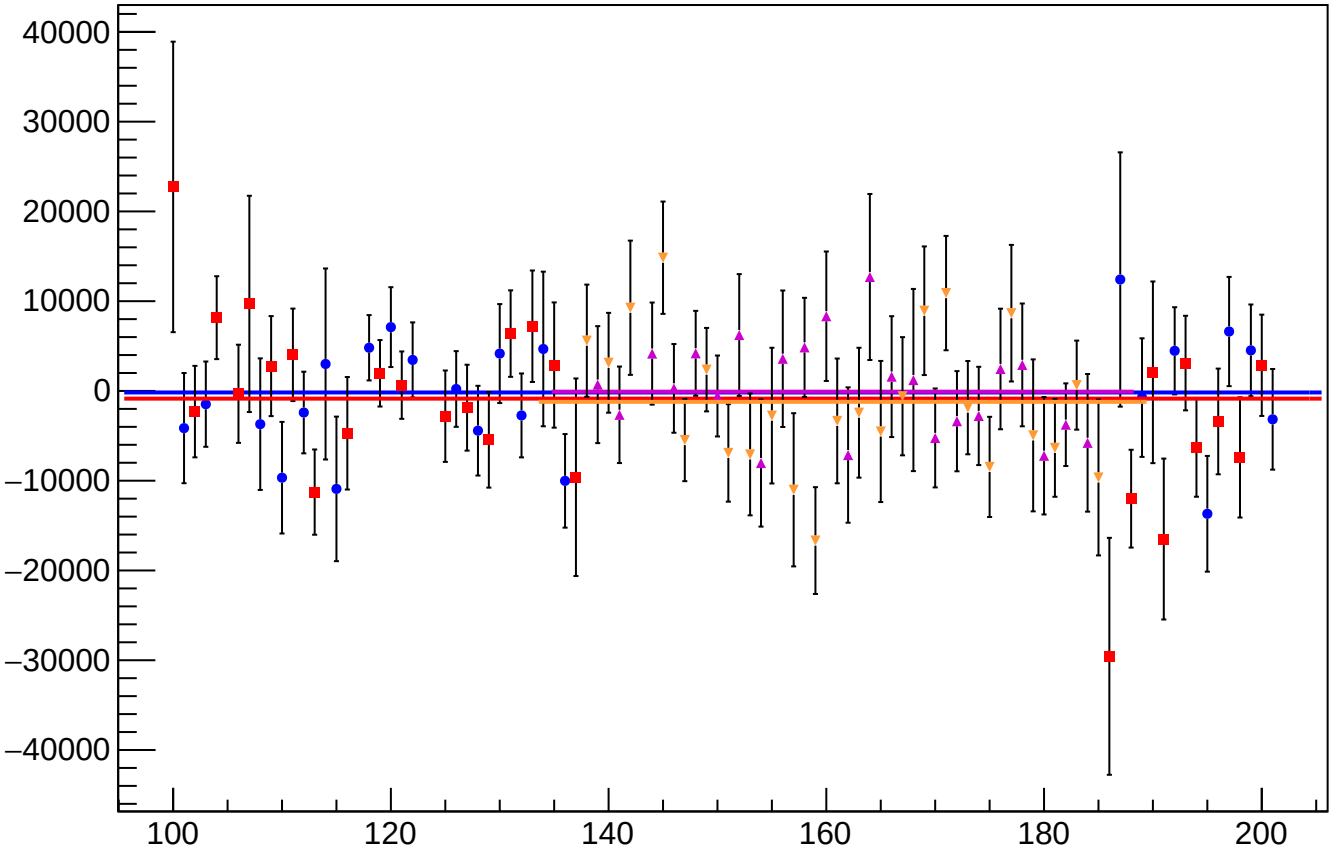
Right: 1420.863+/-0.198 χ^2/NDF: 264352.2/49

In: 1479.603+/-0.190 χ^2/NDF:401734.0/45

Out: 1473.461+/-0.185 χ^2/NDF:462222.5/50

All: 1476.454+/-0.132 χ^2/NDF: 864494.8/96

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



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: -856.467+/-1089.897 χ^2/NDF: 35.0/26

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

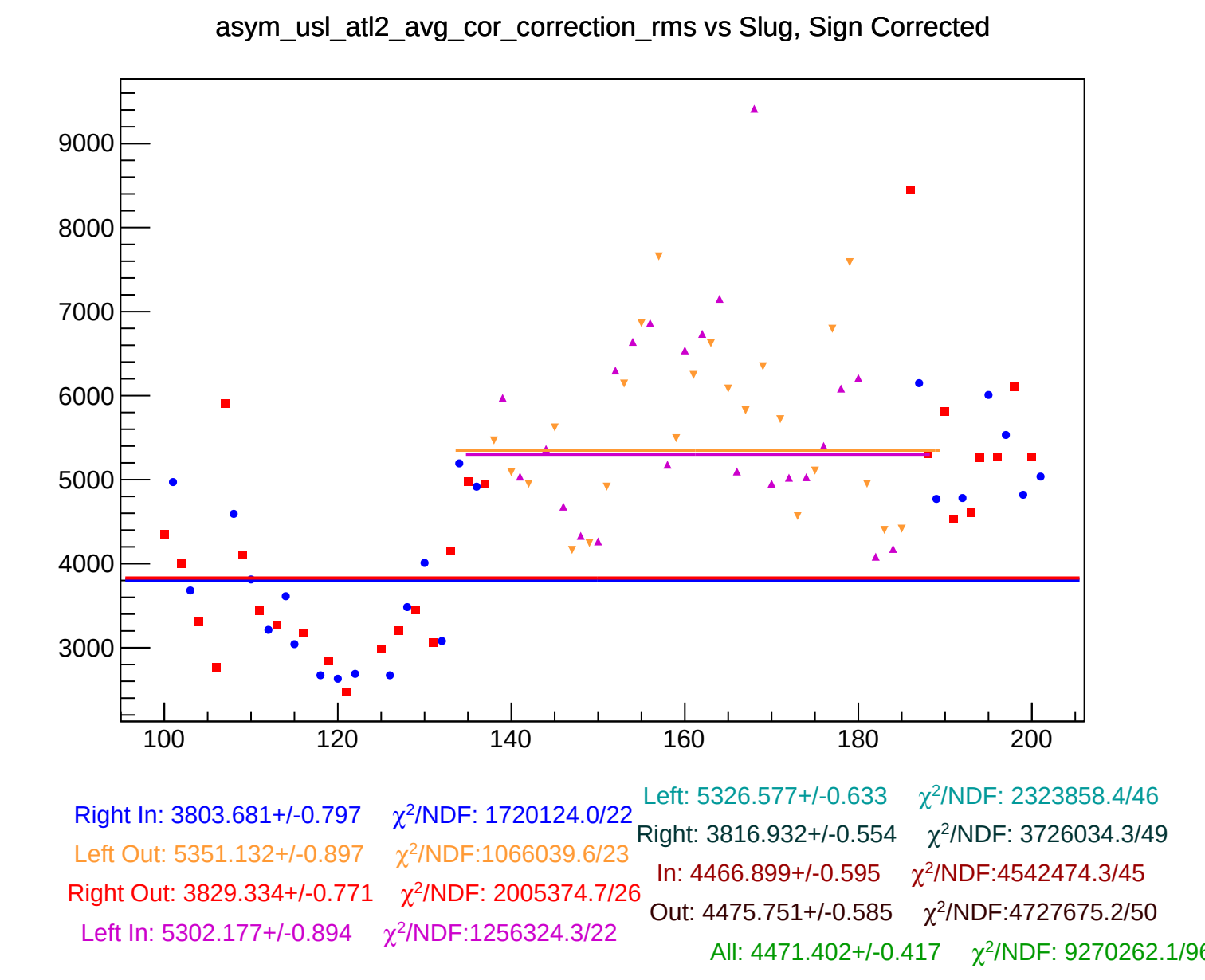
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

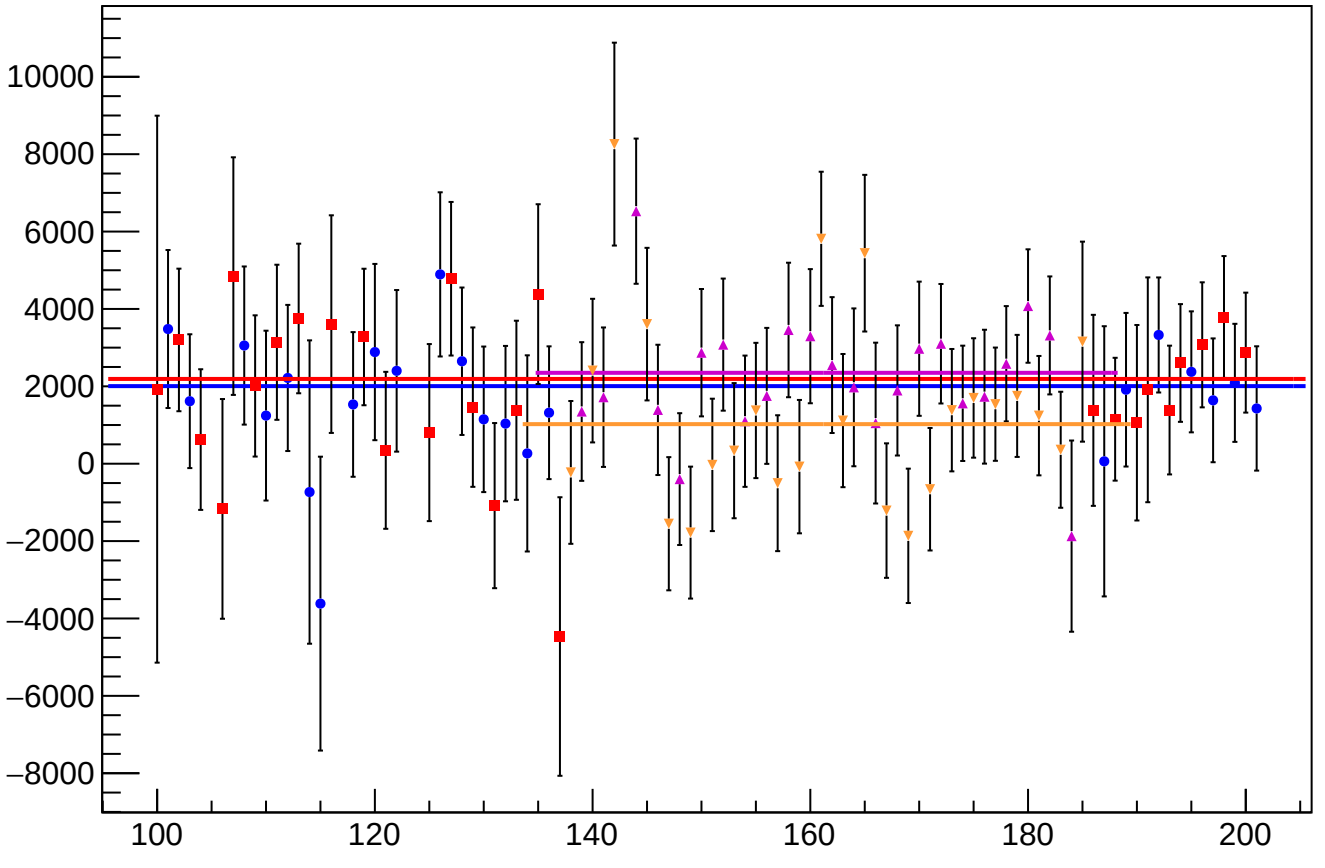
Right: -524.312+/-783.329 χ^2/NDF: 59.7/49

In: -130.141+/-841.122 χ^2/NDF:37.7/45

Out: -1007.441+/-826.619 χ^2/NDF:68.3/50

All: -576.419+/-589.569 χ^2/NDF: 106.5/96


asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 3803.681+/-0.797 χ²/NDF: 1720124.0/22
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 3829.334+/-0.771 χ²/NDF: 2005374.7/26
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
Left: 5326.577+/-0.633 χ²/NDF: 2323858.4/46
Right: 3816.932+/-0.554 χ²/NDF: 3726034.3/49
In: 4466.899+/-0.595 χ²/NDF:4542474.3/45
Out: 4475.751+/-0.585 χ²/NDF:4727675.2/50
All: 4471.402+/-0.417 χ²/NDF: 9270262.1/96



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: 2191.175+/-391.169 χ^2/NDF: 17.1/26

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

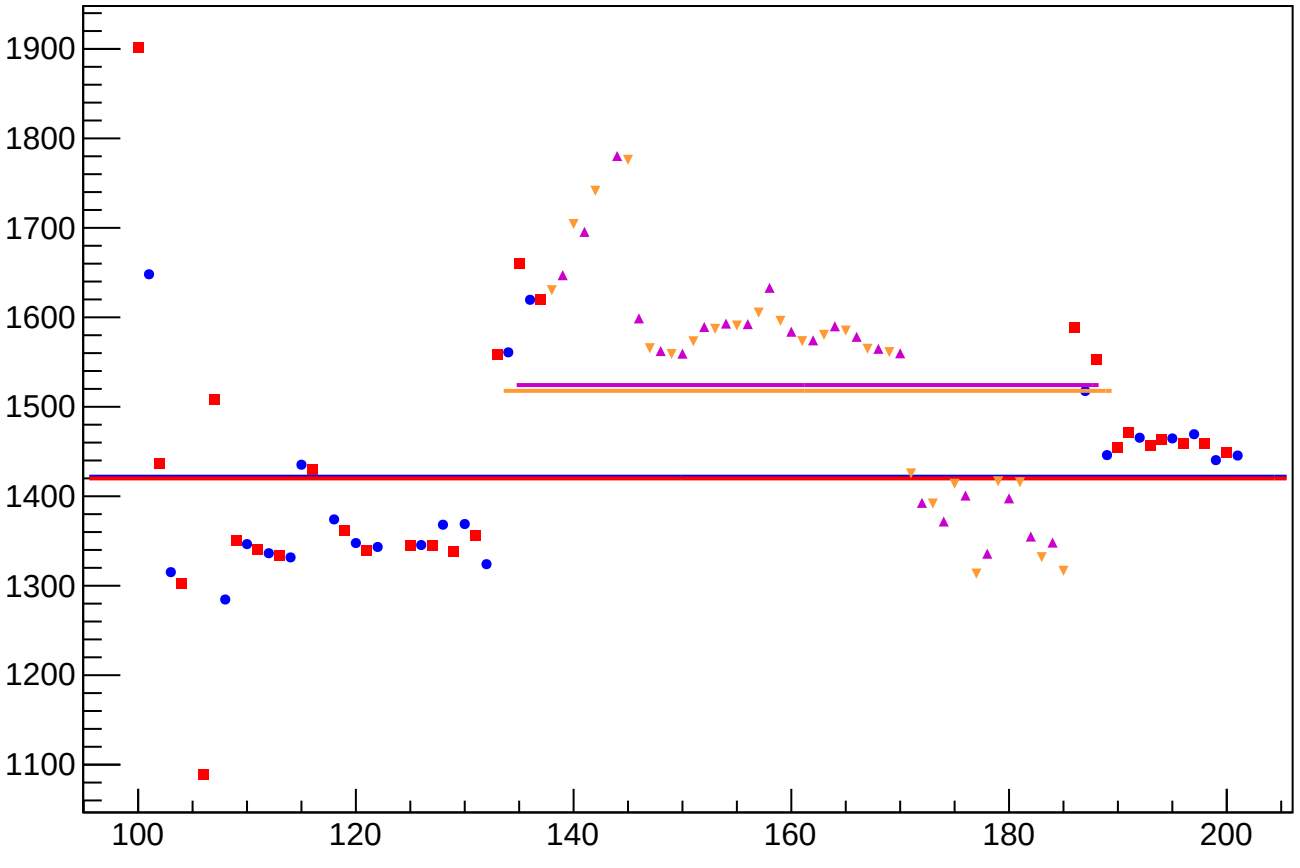
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2101.617+/-281.633 χ^2/NDF: 25.5/49

In: 2199.095+/-268.072 χ^2/NDF:24.7/45

Out: 1547.878+/-262.254 χ^2/NDF:58.5/50

All: 1866.344+/-187.465 χ^2/NDF: 86.1/96



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: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

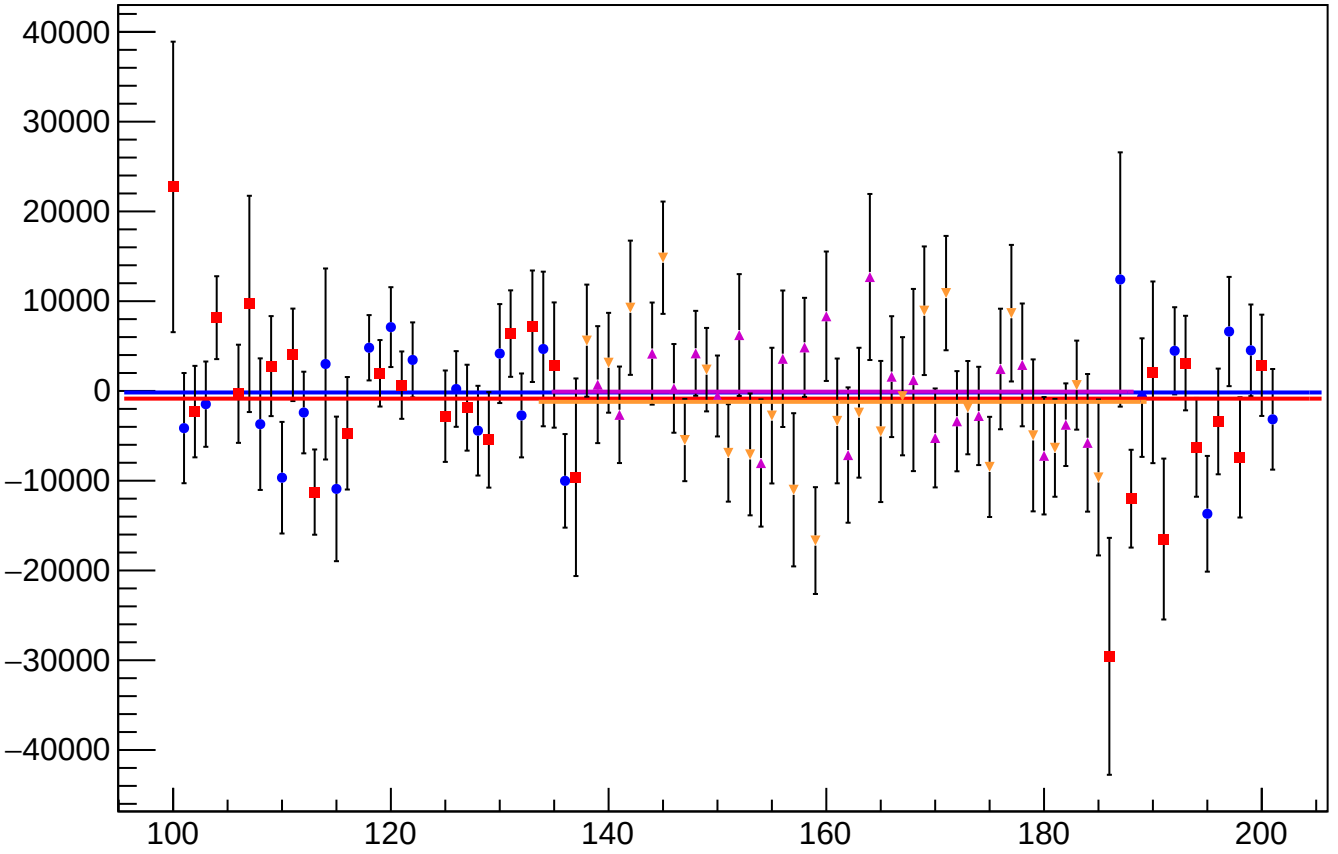
Right: 1420.863+/-0.198 χ^2/NDF: 264352.2/49

In: 1479.603+/-0.190 χ^2/NDF:401734.0/45

Out: 1473.461+/-0.185 χ^2/NDF:462222.5/50

All: 1476.454+/-0.132 χ^2/NDF: 864494.8/96

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -856.467+/-1089.897 χ^2/NDF: 35.0/26

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

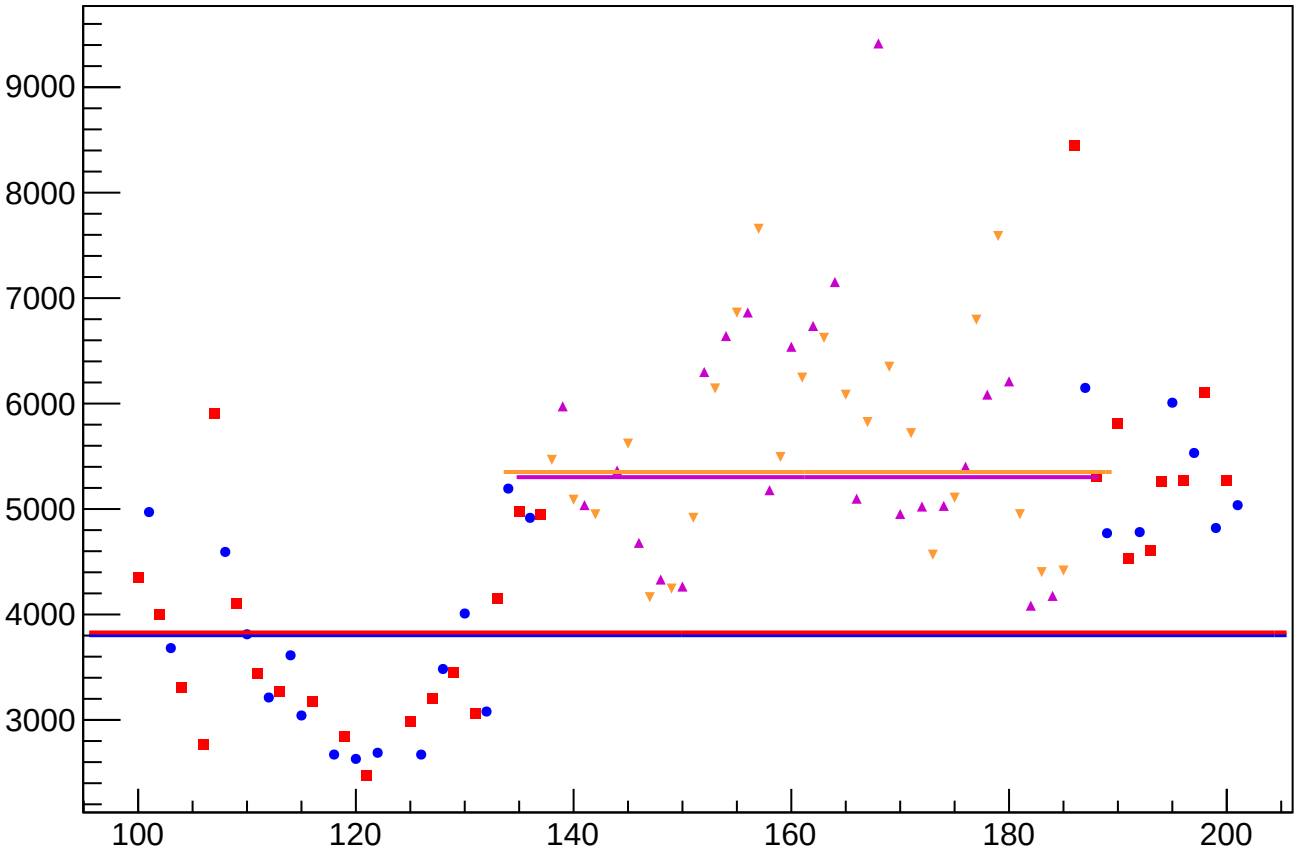
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -524.312+/-783.329 χ^2/NDF: 59.7/49

In: -130.141+/-841.122 χ^2/NDF:37.7/45

Out: -1007.441+/-826.619 χ^2/NDF:68.3/50

All: -576.419+/-589.569 χ^2/NDF: 106.5/96



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: 3829.334+/-0.771 χ^2/NDF: 2005374.7/26

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

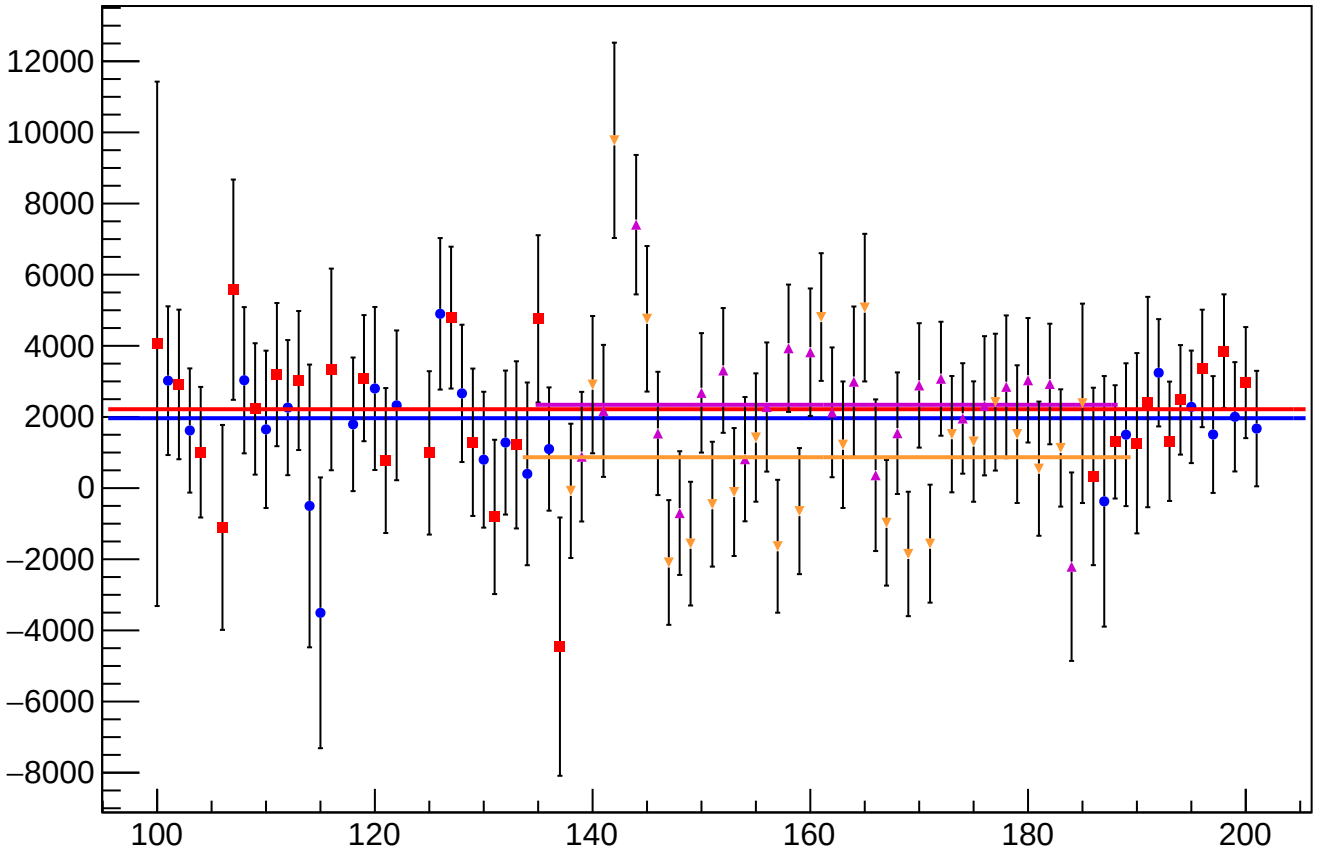
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3816.932+/-0.554 χ^2/NDF: 3726034.3/49

In: 4466.899+/-0.595 χ^2/NDF:4542474.3/45

Out: 4475.751+/-0.585 χ^2/NDF:4727675.2/50

All: 4471.402+/-0.417 χ^2/NDF: 9270262.1/96



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: 2217.951+/-396.903 χ^2/NDF: 16.4/26

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

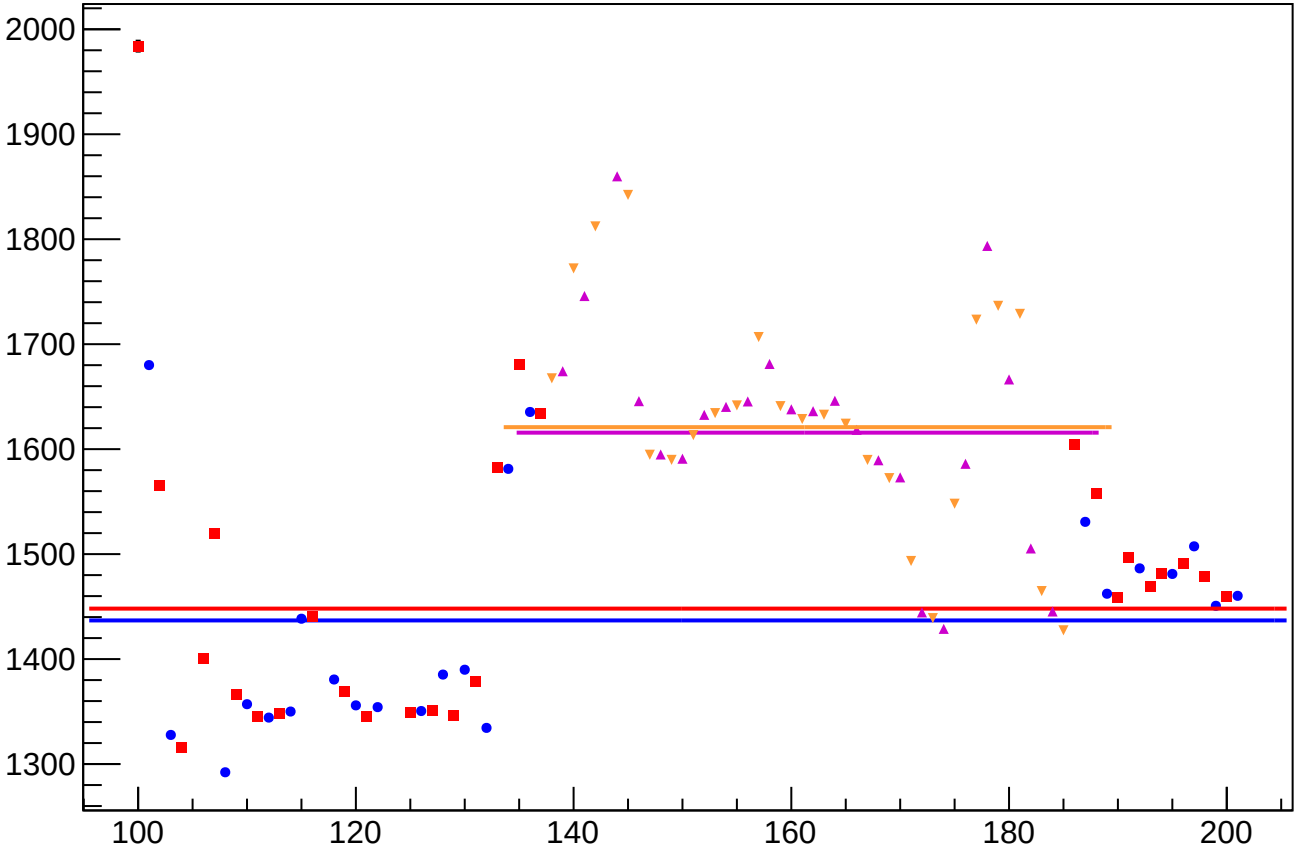
Right: 2095.836+/-285.262 χ^2/NDF: 24.3/49

In: 2169.179+/-278.041 χ^2/NDF:26.2/45

Out: 1508.819+/-273.413 χ^2/NDF:62.2/50

All: 1833.458+/-194.948 χ^2/NDF: 91.3/96

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: 1448.084+/-0.280 χ^2/NDF: 120406.3/26

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

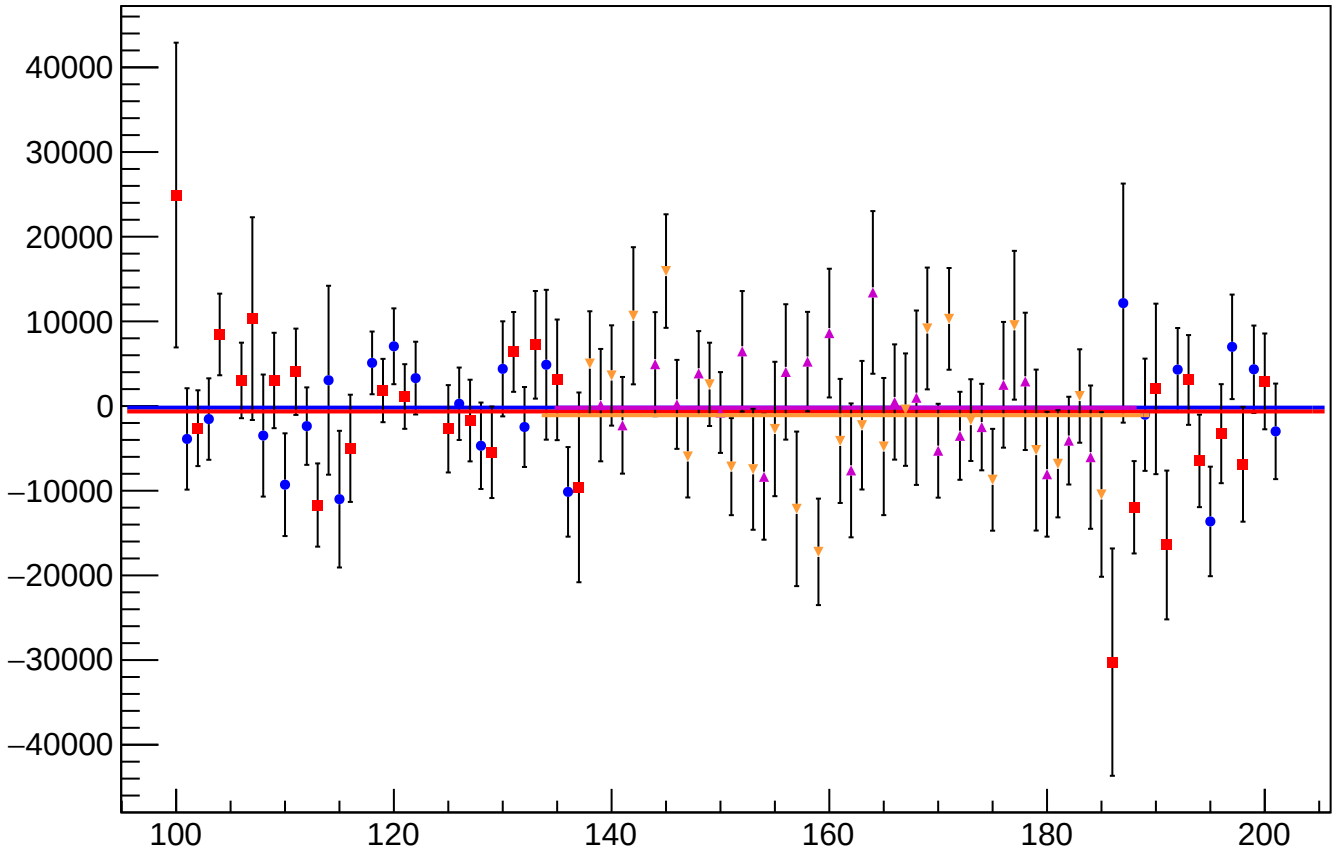
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1442.647+/-0.202 χ^2/NDF: 235039.5/49

In: 1533.547+/-0.197 χ^2/NDF:456583.0/45

Out: 1538.786+/-0.193 χ^2/NDF:462050.1/50

All: 1536.212+/-0.138 χ^2/NDF: 918994.3/96



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: -640.766+/-1081.205 χ^2/NDF: 35.9/26

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

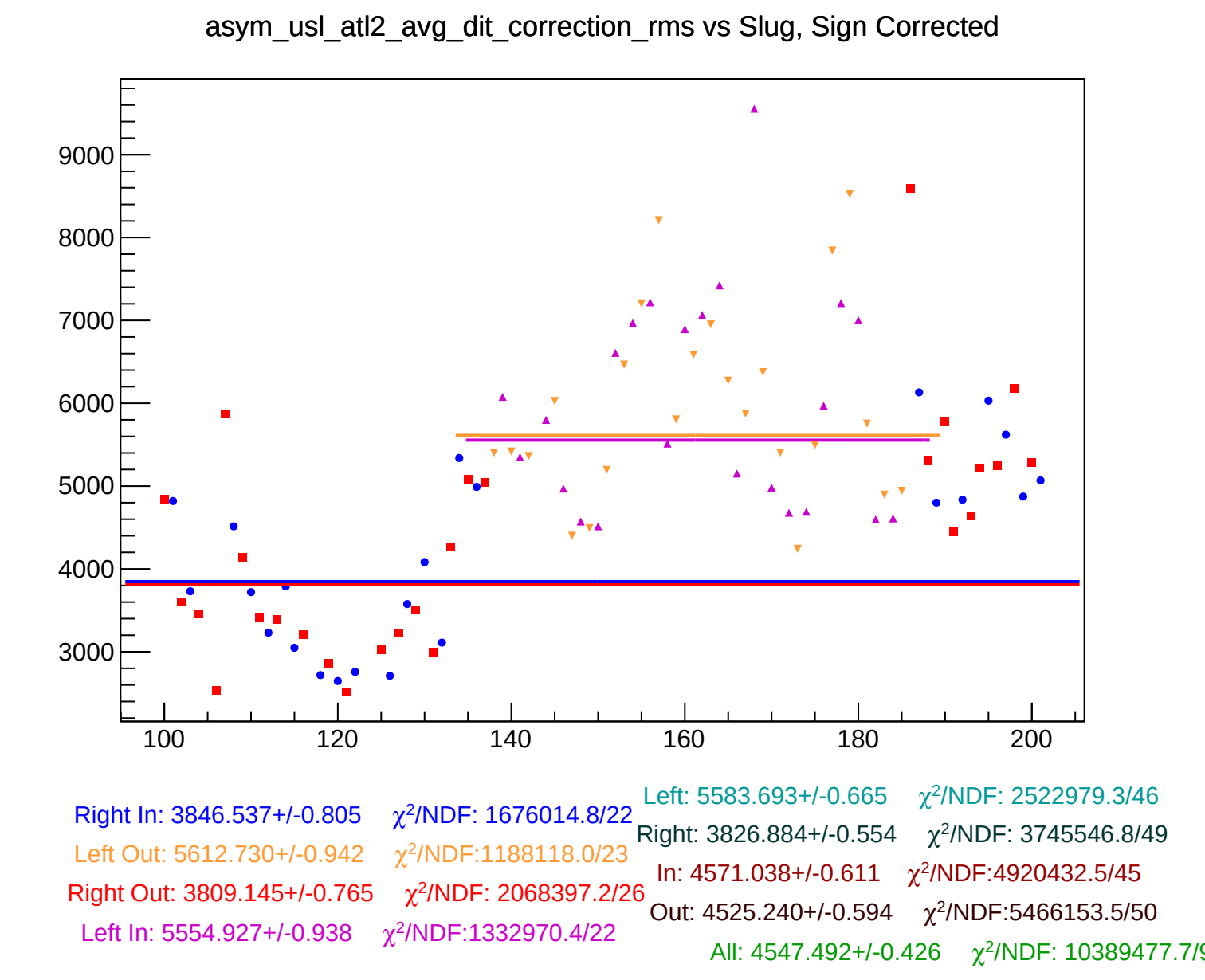
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

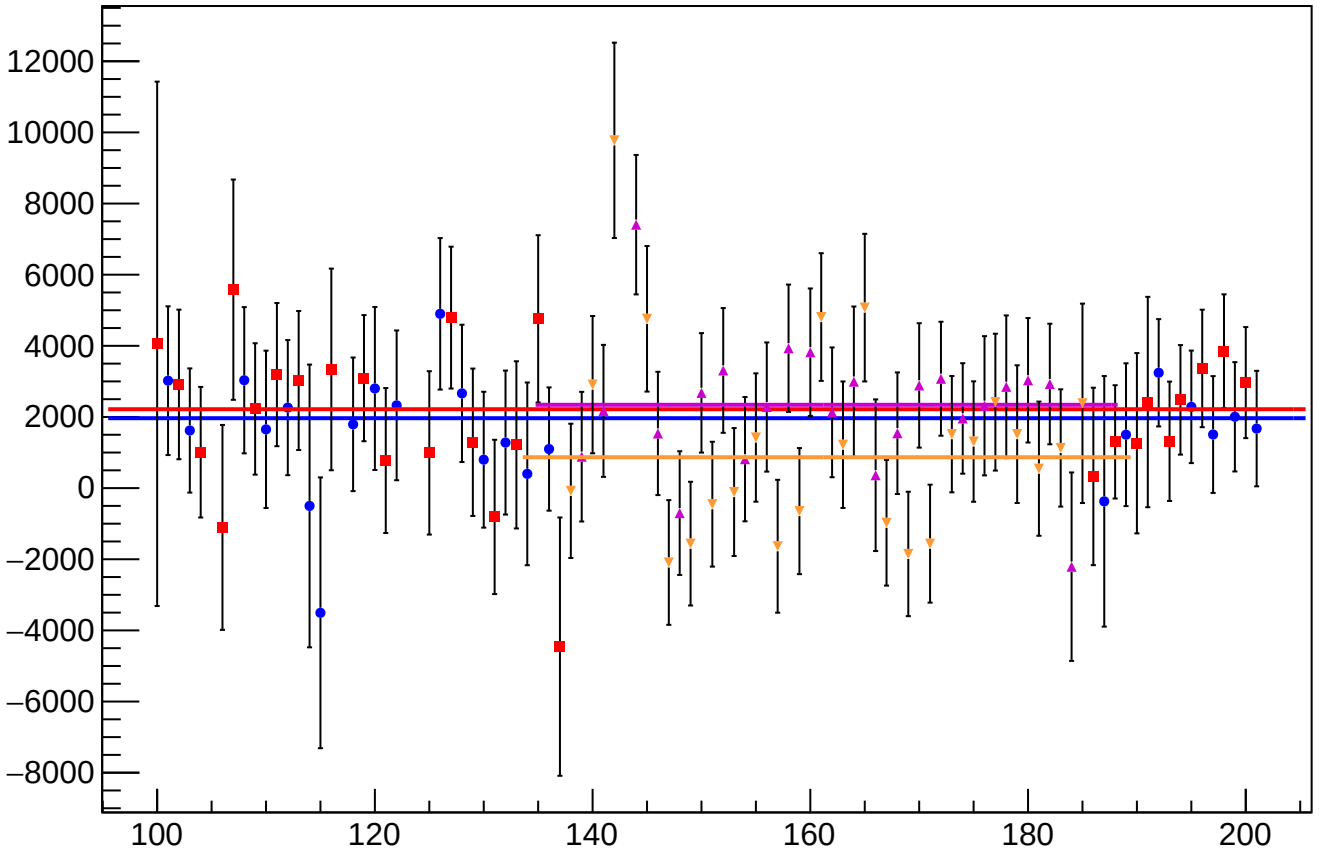
Right: -424.658+/-783.841 χ^2/NDF: 60.2/49

In: -192.206+/-863.627 χ^2/NDF:37.1/45

Out: -816.045+/-839.561 χ^2/NDF:69.0/50

All: -512.939+/-601.988 χ^2/NDF: 106.3/96


asym_usl_atl2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 3846.537+/-0.805 χ²/NDF: 1676014.8/22
Left Out: 5612.730+/-0.942 χ²/NDF:1188118.0/23
Right Out: 3809.145+/-0.765 χ²/NDF: 2068397.2/26
Left In: 5554.927+/-0.938 χ²/NDF:1332970.4/22
Left: 5583.693+/-0.665 χ²/NDF: 2522979.3/46
Right: 3826.884+/-0.554 χ²/NDF: 3745546.8/49
In: 4571.038+/-0.611 χ²/NDF:4920432.5/45
Out: 4525.240+/-0.594 χ²/NDF:5466153.5/50
All: 4547.492+/-0.426 χ²/NDF: 10389477.7/9



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: 2217.950+/-396.903 χ^2/NDF: 16.4/26

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

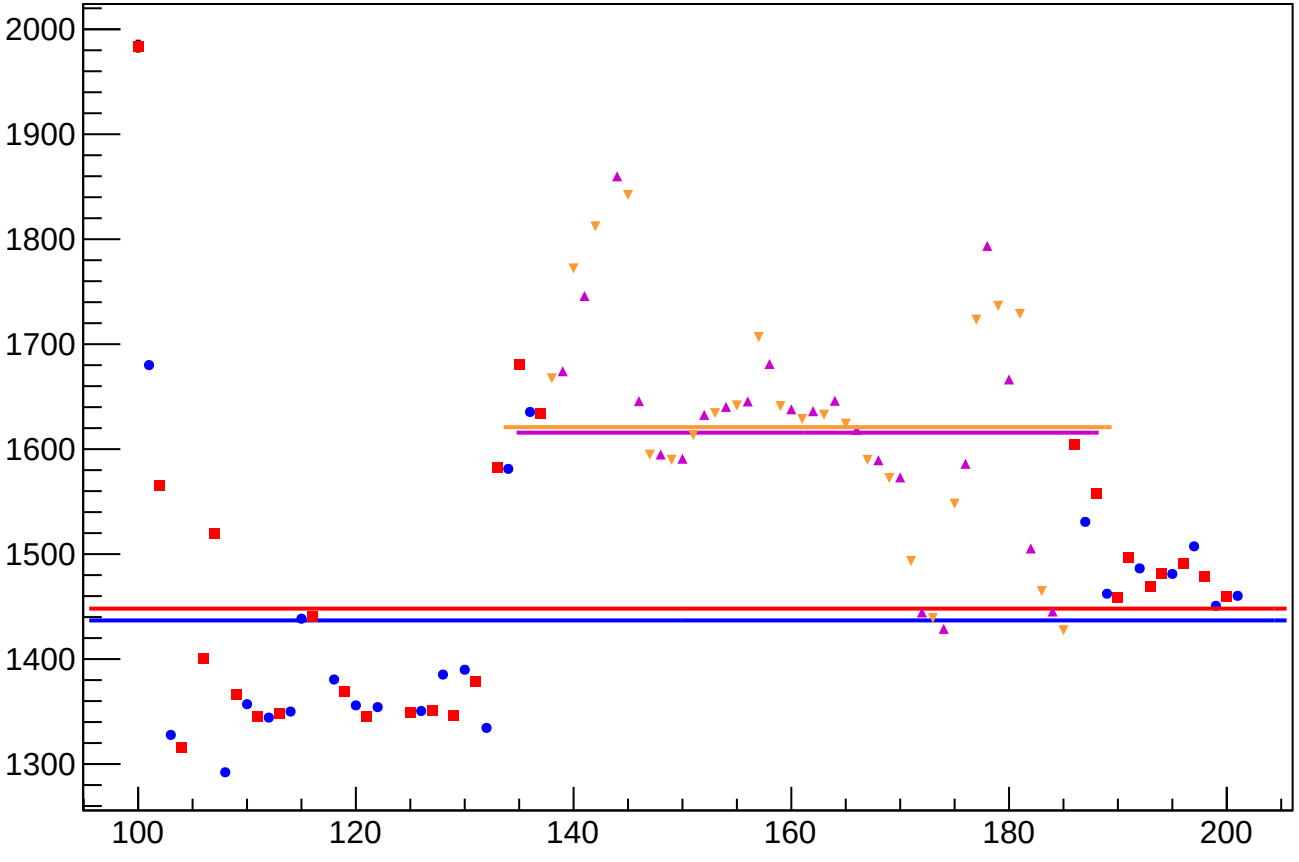
Right: 2095.834+/-285.262 χ^2/NDF: 24.3/49

In: 2169.178+/-278.041 χ^2/NDF:26.2/45

Out: 1508.815+/-273.413 χ^2/NDF:62.2/50

All: 1833.456+/-194.948 χ^2/NDF: 91.3/96

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: 1448.083+/-0.280 χ^2/NDF: 120406.4/26

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

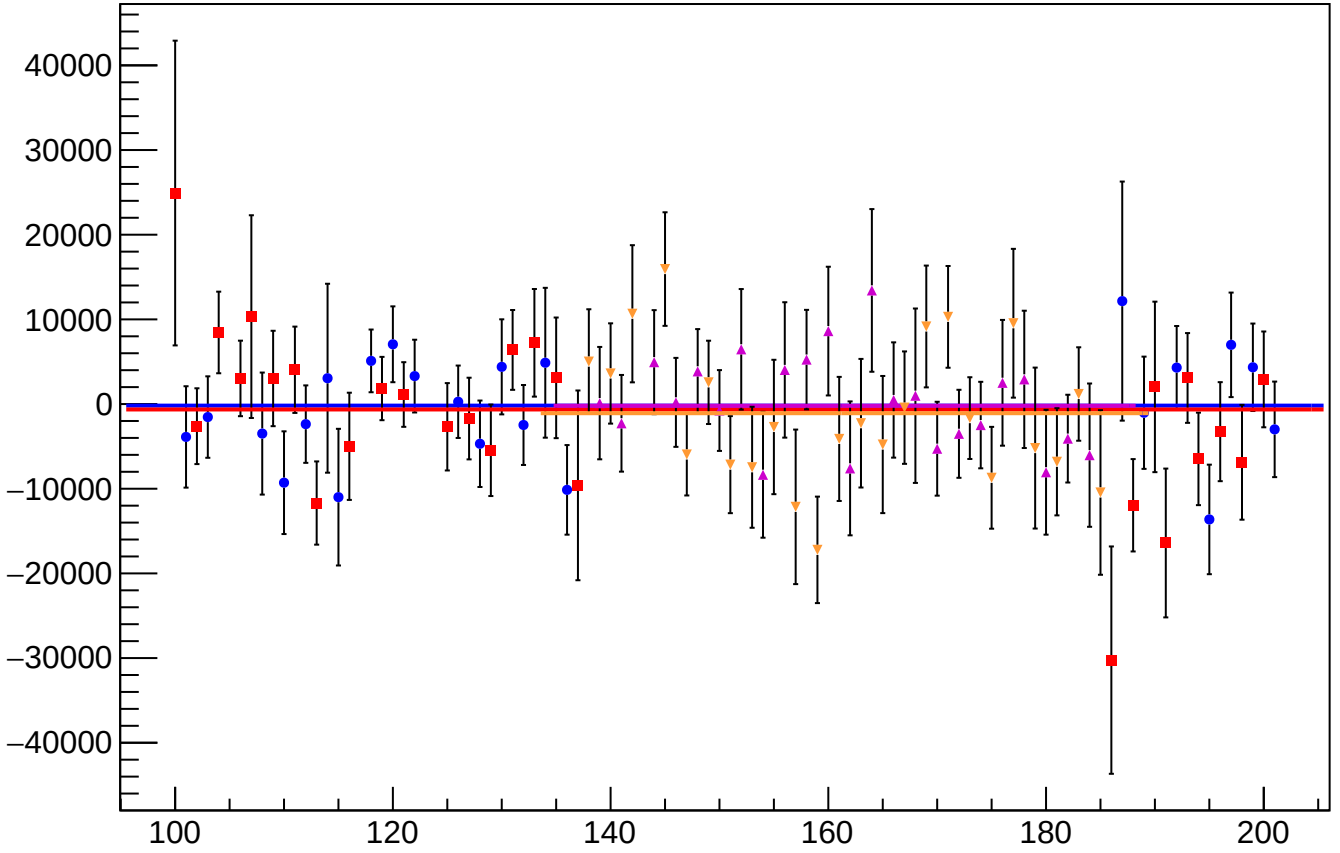
Right: 1442.647+/-0.202 χ^2/NDF: 235039.7/49

In: 1533.548+/-0.197 χ^2/NDF:456590.4/45

Out: 1538.787+/-0.193 χ^2/NDF:462057.9/50

All: 1536.213+/-0.138 χ^2/NDF: 919009.5/96

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: -640.759+/-1081.203 χ^2/NDF: 35.9/26

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

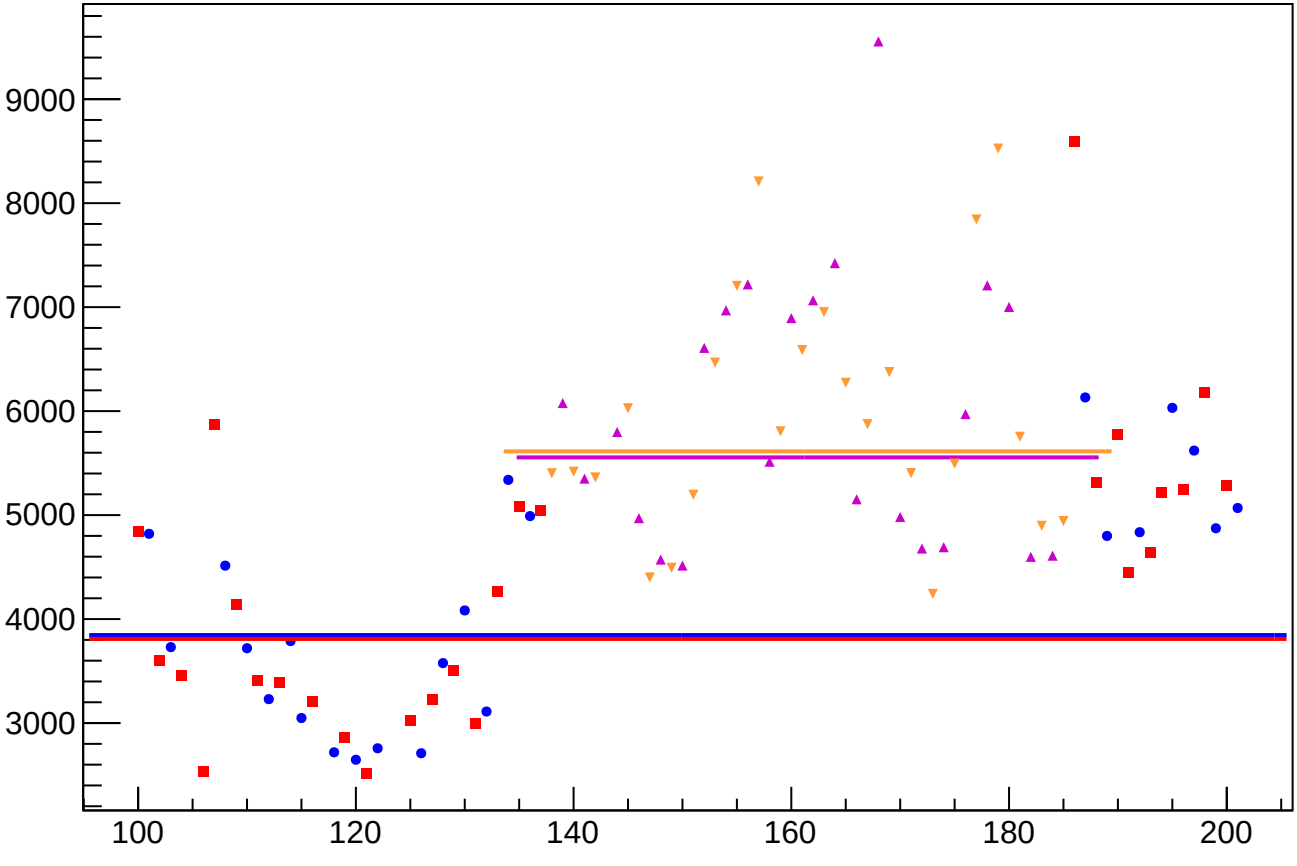
Right: -424.652+/-783.839 χ^2/NDF: 60.2/49

In: -192.204+/-863.627 χ^2/NDF:37.1/45

Out: -816.043+/-839.561 χ^2/NDF:69.0/50

All: -512.937+/-601.988 χ^2/NDF: 106.3/96

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: 3809.136+/-0.765 χ^2/NDF: 2068419.3/26

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

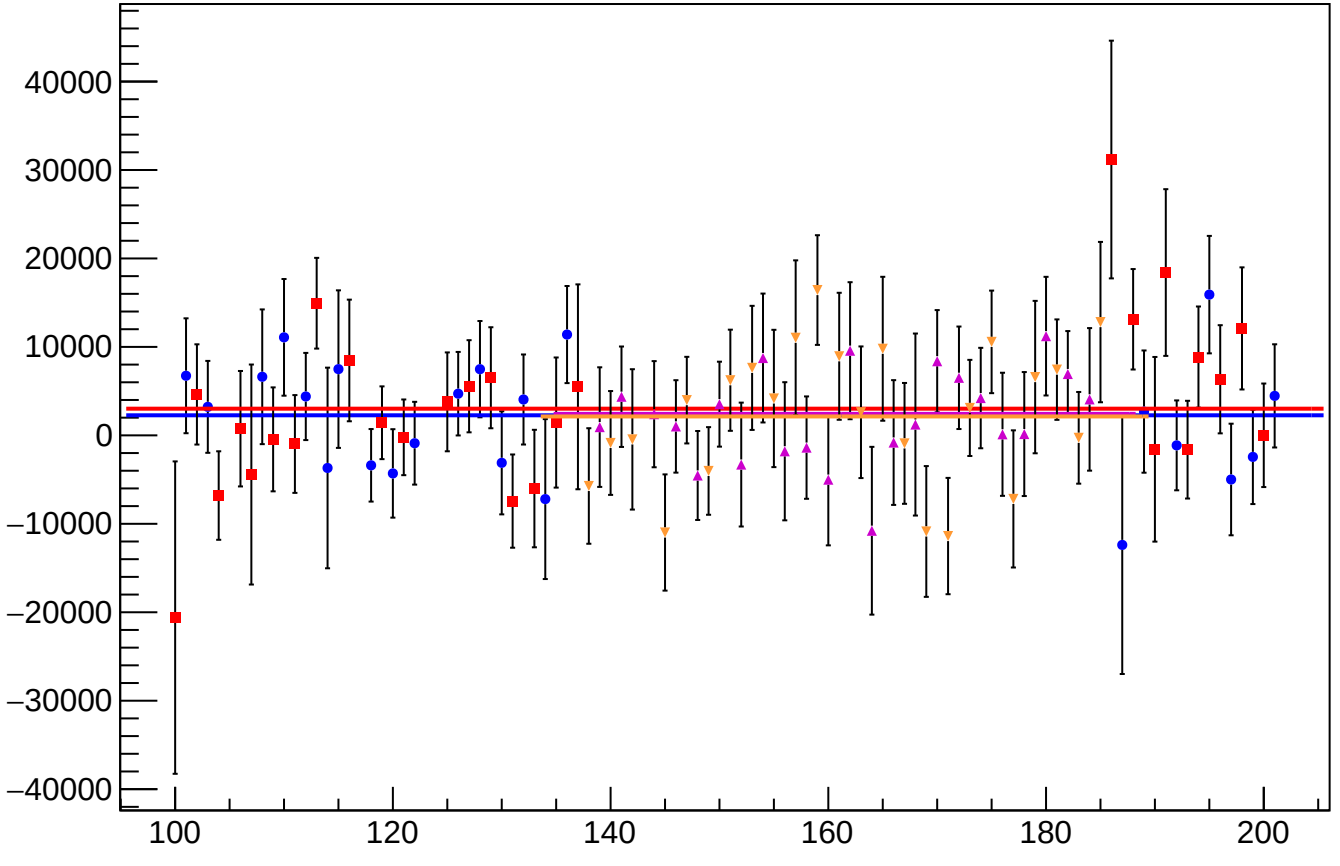
Right: 3826.875+/-0.554 χ^2/NDF: 3745595.0/49

In: 4571.033+/-0.611 χ^2/NDF:4920500.8/45

Out: 4525.235+/-0.594 χ^2/NDF:5466219.1/50

All: 4547.487+/-0.426 χ^2/NDF: 10389611.5/9

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 3015.946+/-1178.333 χ^2/NDF: 34.8/26

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

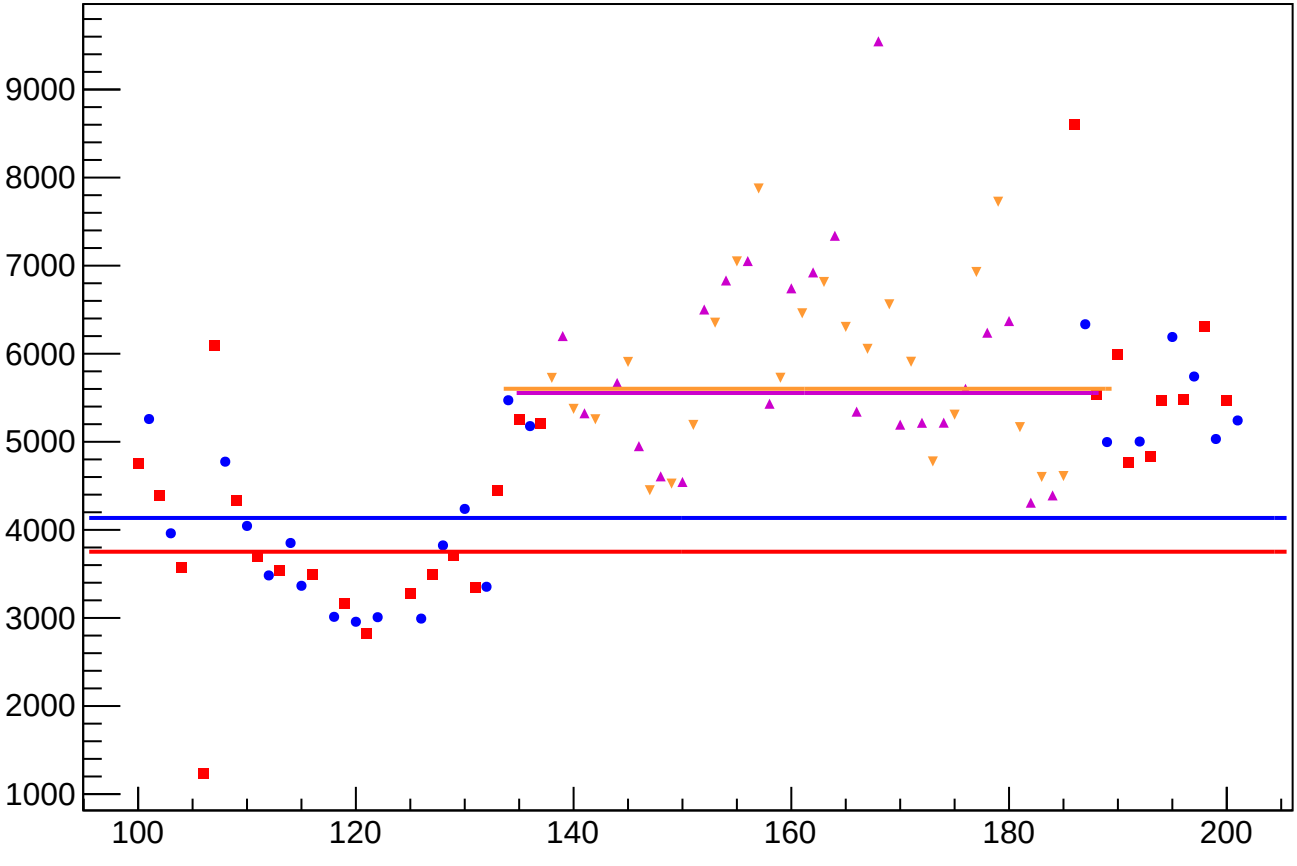
Right: 2653.751+/-846.132 χ^2/NDF: 56.4/49

In: 2341.493+/-894.595 χ^2/NDF:34.3/45

Out: 2628.096+/-880.334 χ^2/NDF:65.7/50

All: 2487.097+/-627.471 χ^2/NDF: 100.1/96

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: 3751.905+/-0.781 χ^2/NDF: 3443885.5/26

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

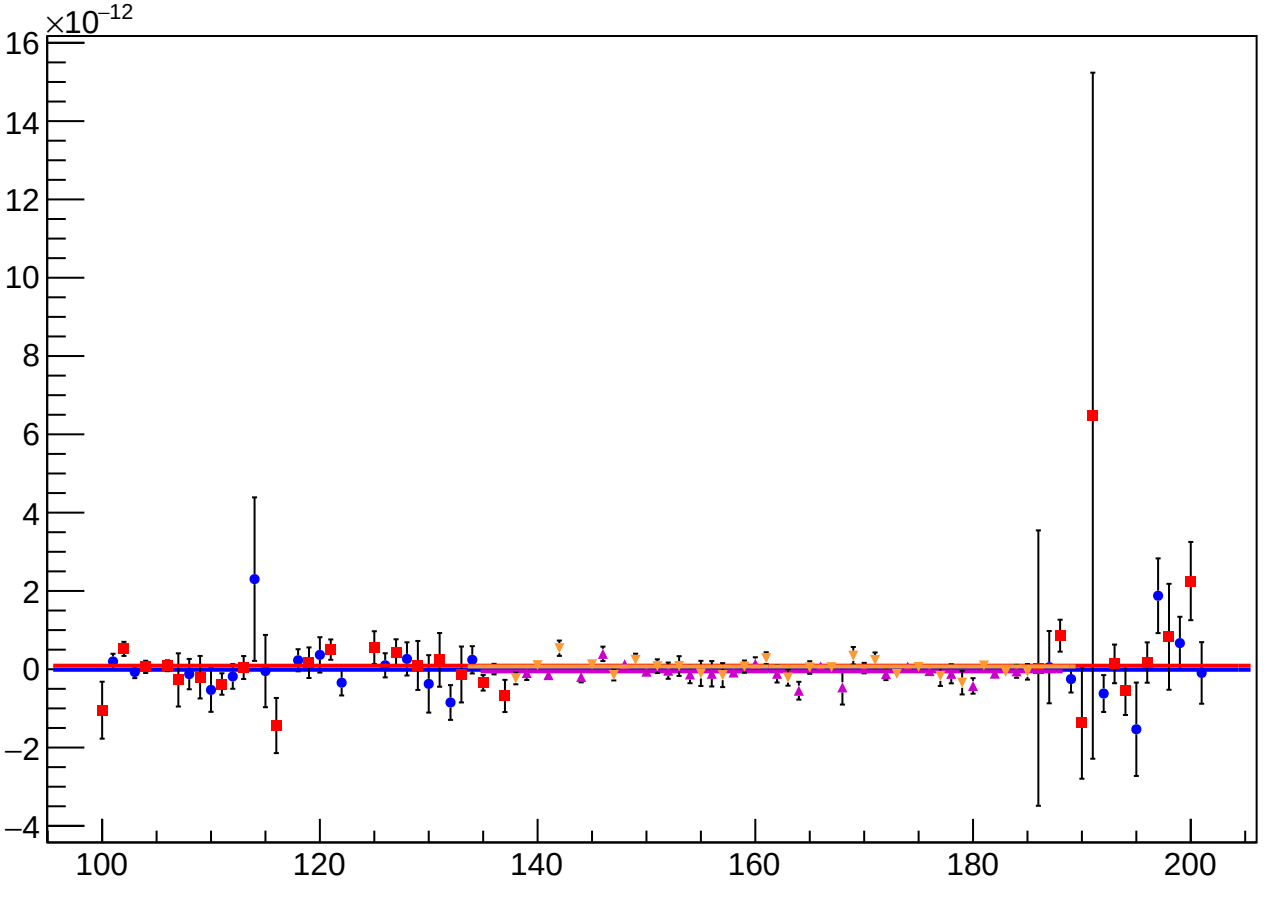
Right: 3925.173+/-0.578 χ^2/NDF: 4929700.8/49

In: 4785.907+/-0.633 χ^2/NDF:3737787.9/45

Out: 4510.420+/-0.600 χ^2/NDF:6687993.0/50

All: 4640.795+/-0.435 χ^2/NDF: 10525685.4/9

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: 40.7/26

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

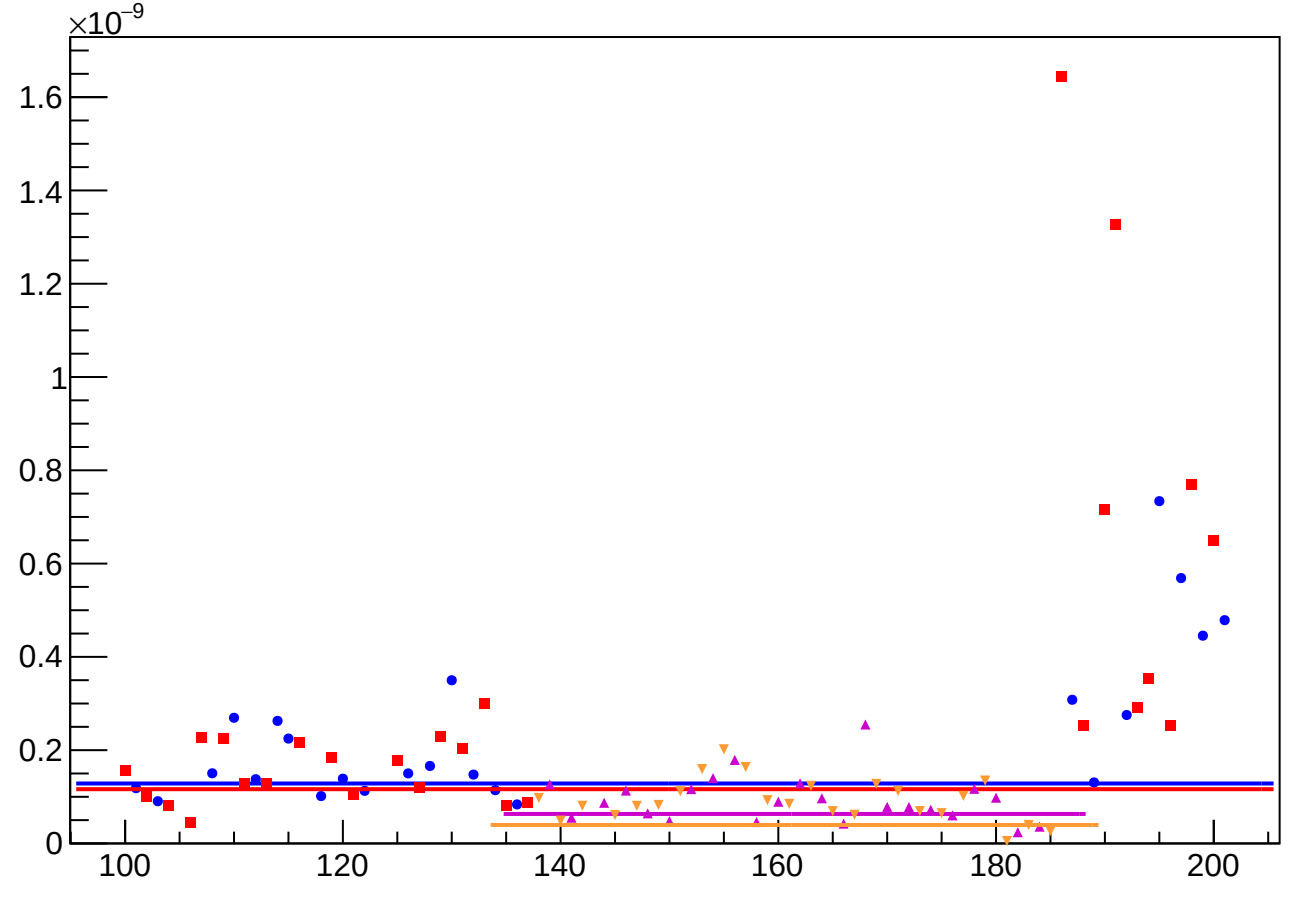
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 61.8/49

In: -0.000+/-0.000 χ^2/NDF:45.5/45

Out: 0.000+/-0.000 χ^2/NDF:69.1/50

All: 0.000+/-0.000 χ^2/NDF: 127.8/96



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: 3938169.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

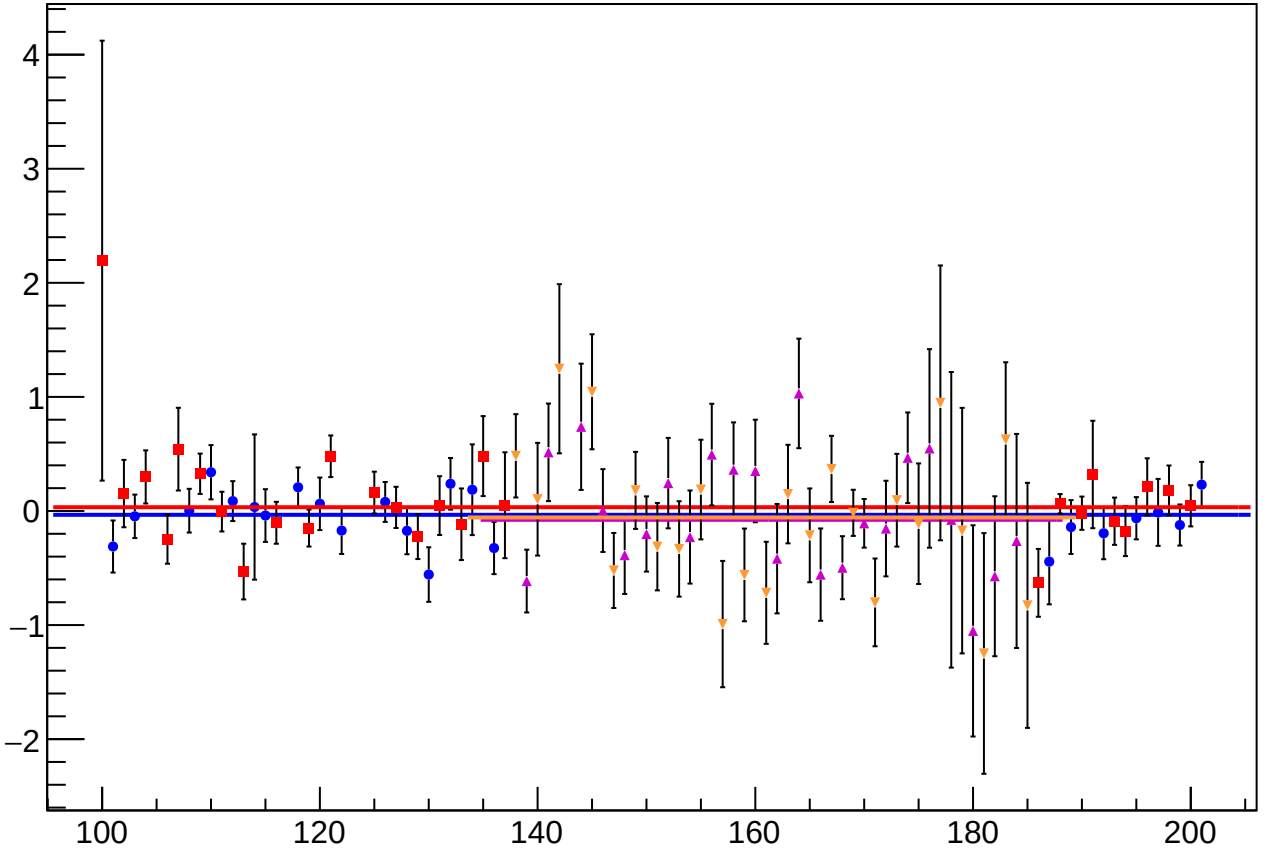
Right: 0.000+/-0.000 χ^2/NDF: 6774331.1/49

In: 0.000+/-0.000 χ^2/NDF:7332198.9/45

Out: 0.000+/-0.000 χ^2/NDF:13517484.9/50

All: 0.000+/-0.000 χ^2/NDF: 21976507.0/96

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: 0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

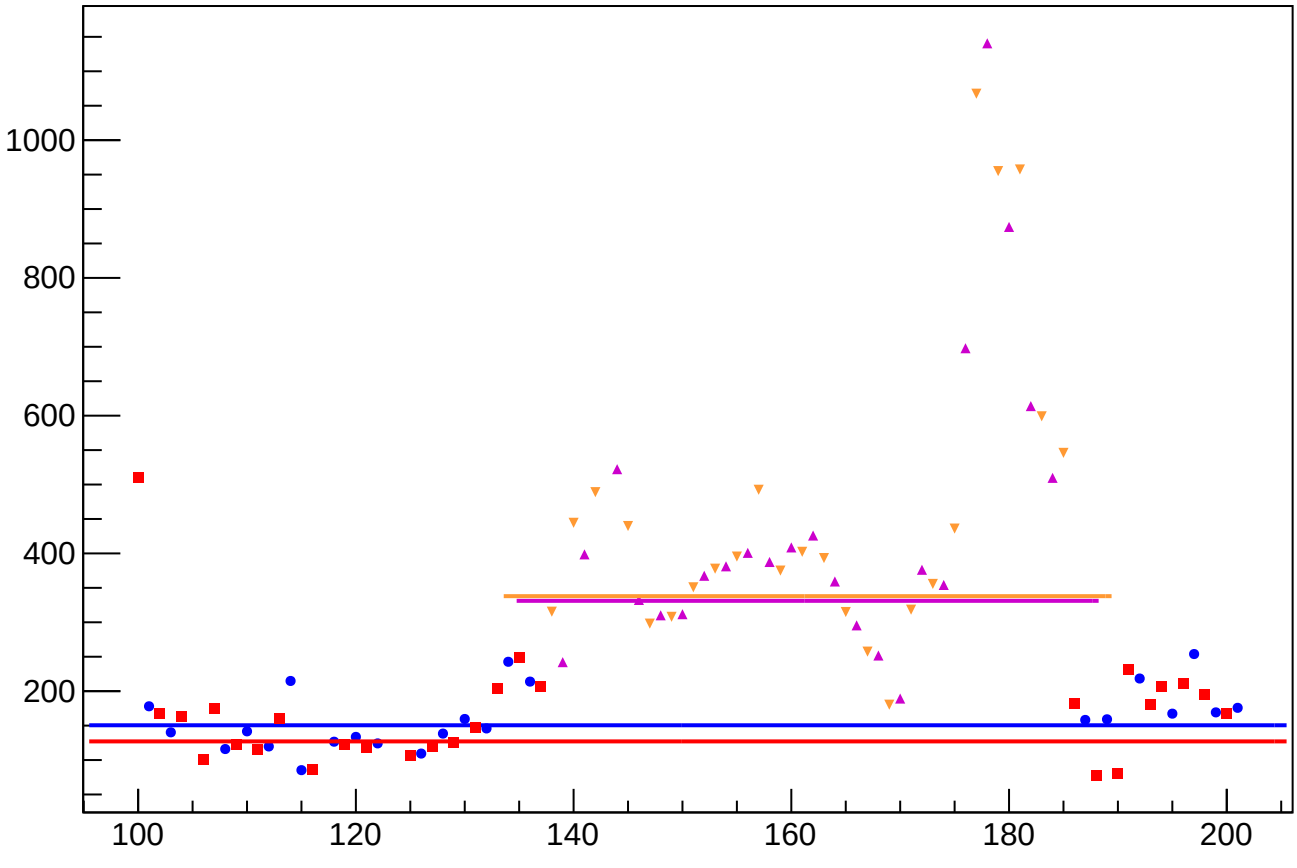
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.029 χ^2/NDF: 55.5/49

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.009+/-0.026 χ^2/NDF: 114.1/96



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: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

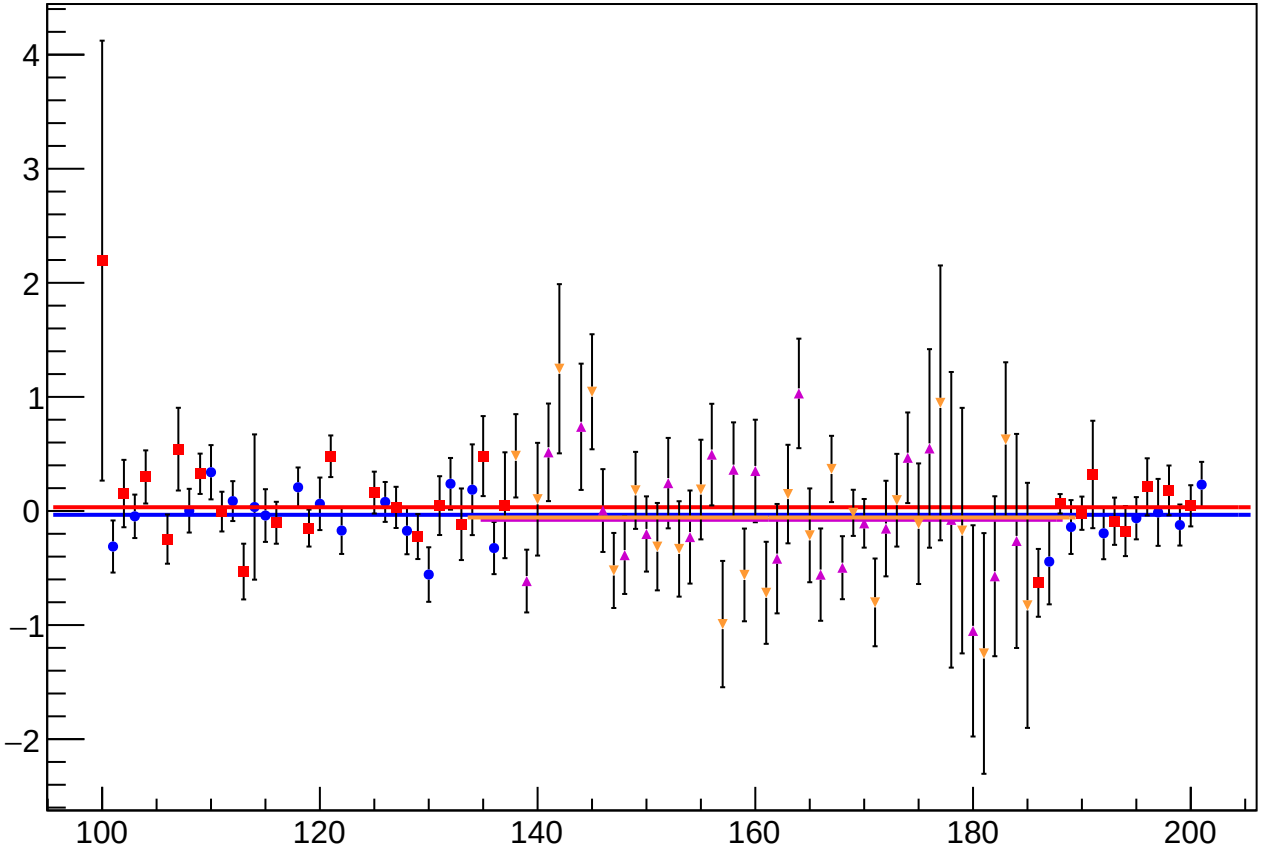
Right: 136.816+/-0.021 χ^2/NDF: 4437665.1/49

In: 192.030+/-0.028 χ^2/NDF:12640029.4/45

Out: 162.613+/-0.025 χ^2/NDF:17462510.6/50

All: 175.407+/-0.019 χ^2/NDF: 30713902.9/96

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: 0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

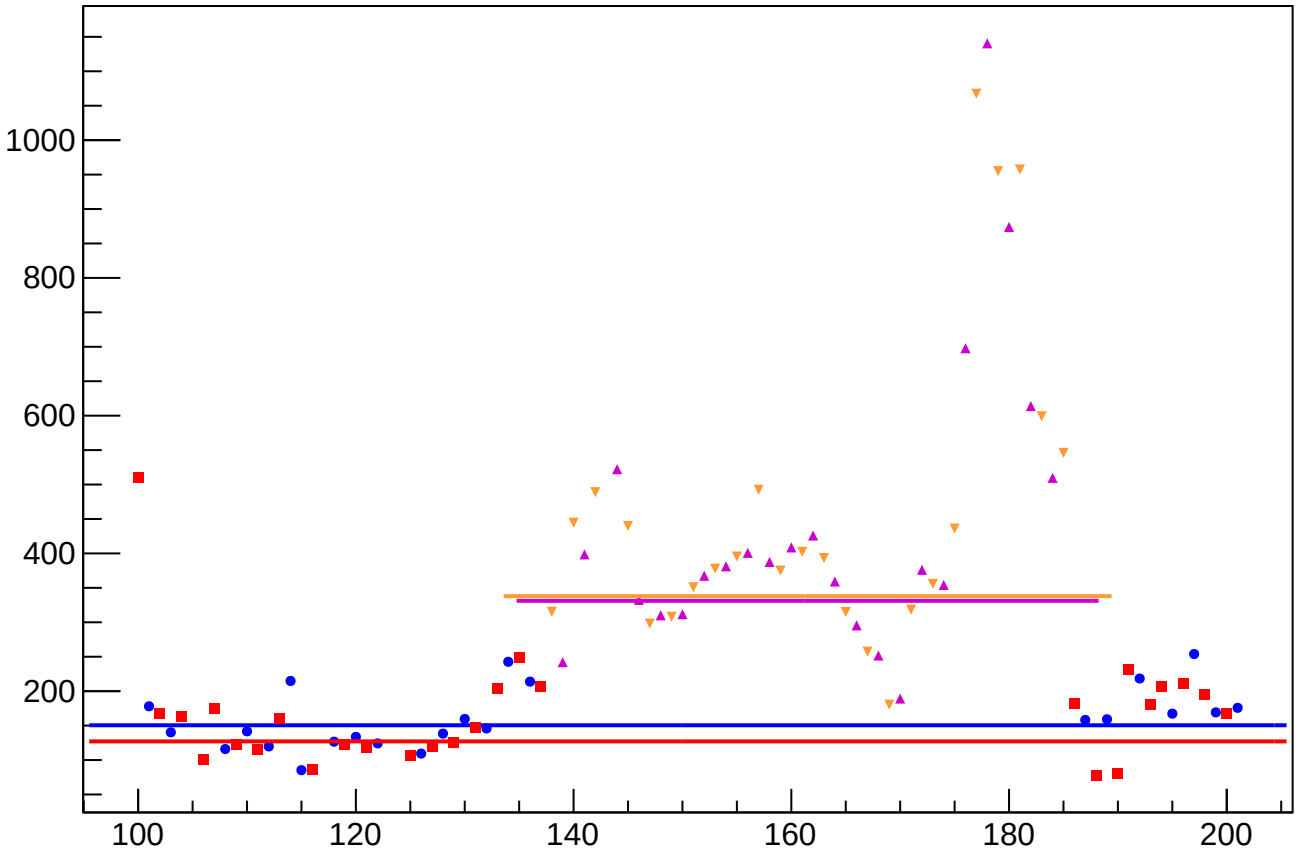
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.029 χ^2/NDF: 55.5/49

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.009+/-0.026 χ^2/NDF: 114.1/96



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: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

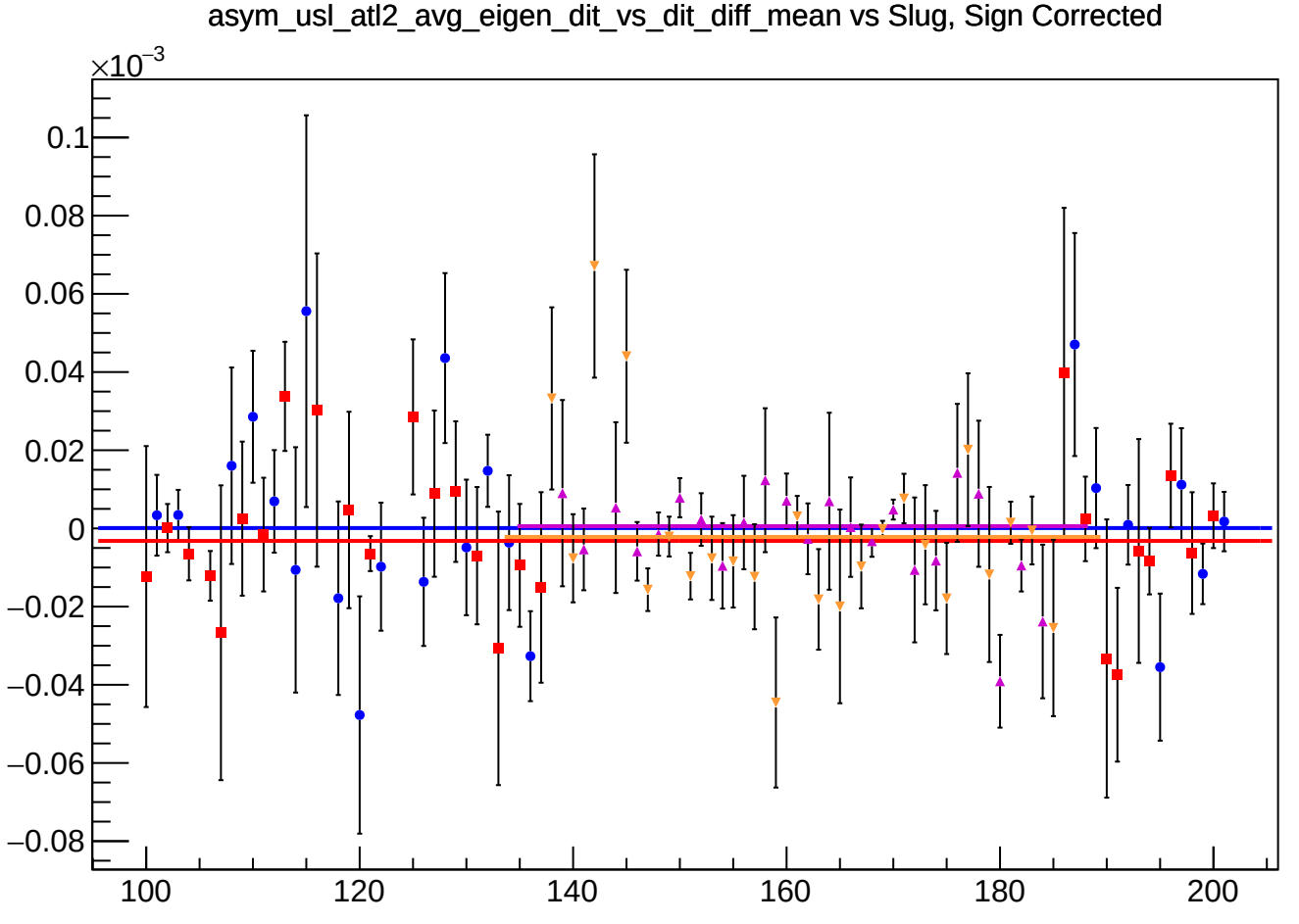
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 136.816+/-0.021 χ^2/NDF: 4437665.1/49

In: 192.030+/-0.028 χ^2/NDF:12640029.4/45

Out: 162.613+/-0.025 χ^2/NDF:17462510.6/50

All: 175.407+/-0.019 χ^2/NDF: 30713902.9/96



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: 22.8/26

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

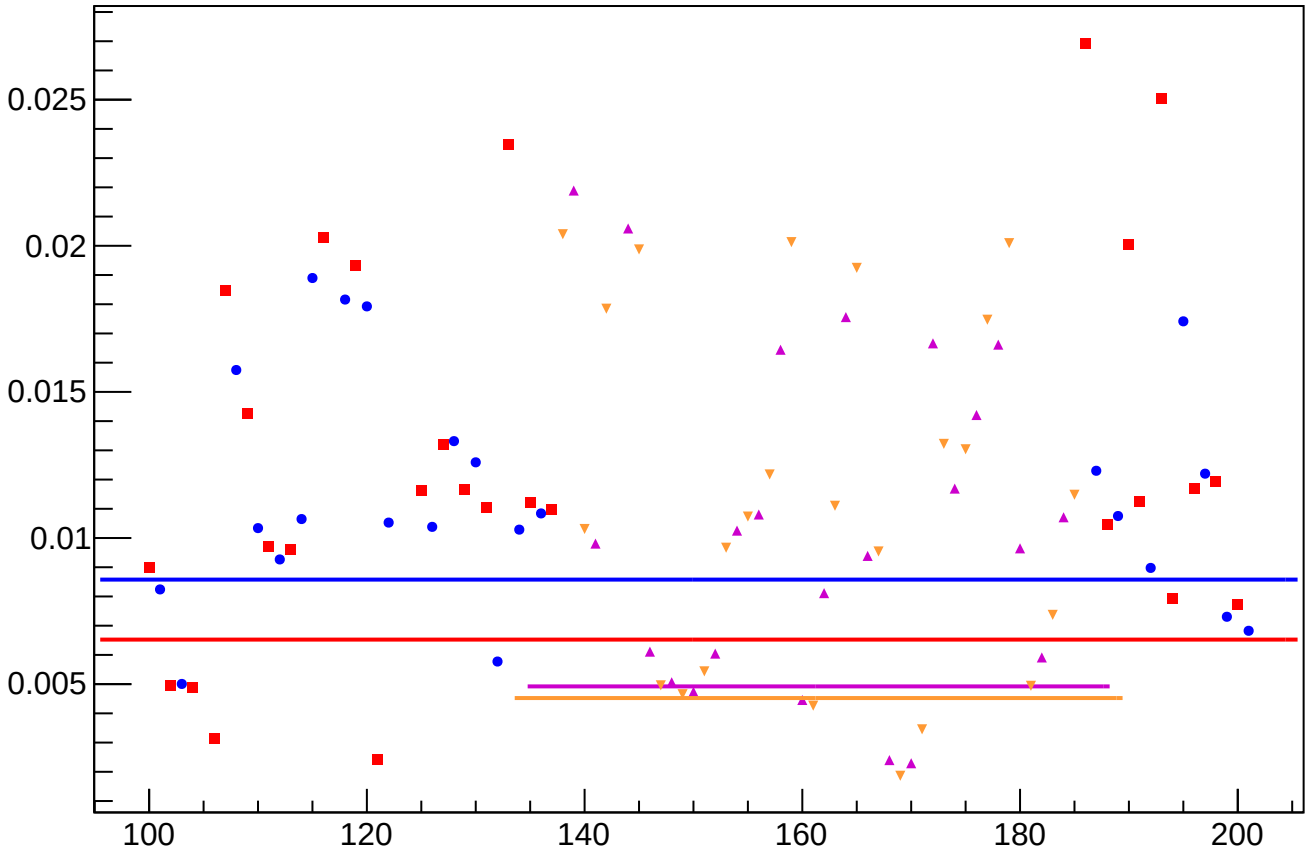
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 57.5/49

In: 0.000+/-0.000 χ^2/NDF:60.0/45

Out: -0.000+/-0.000 χ^2/NDF:60.9/50

All: -0.000+/-0.000 χ^2/NDF: 123.6/96



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: 7899424.7/26

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

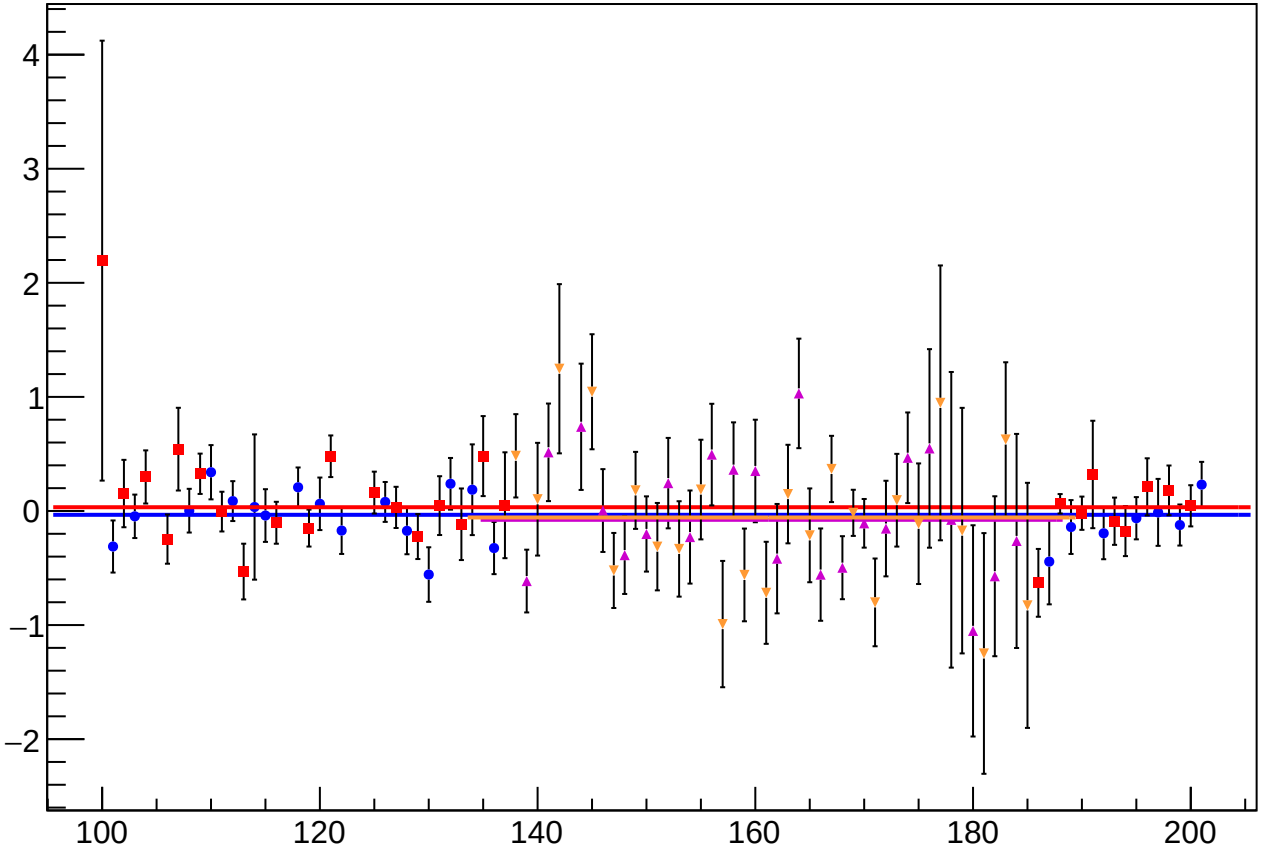
Right: 0.007+/-0.000 χ^2/NDF: 11339790.7/49

In: 0.006+/-0.000 χ^2/NDF:17221705.7/45

Out: 0.005+/-0.000 χ^2/NDF:23321253.1/50

All: 0.005+/-0.000 χ^2/NDF: 40852982.8/96

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: 0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

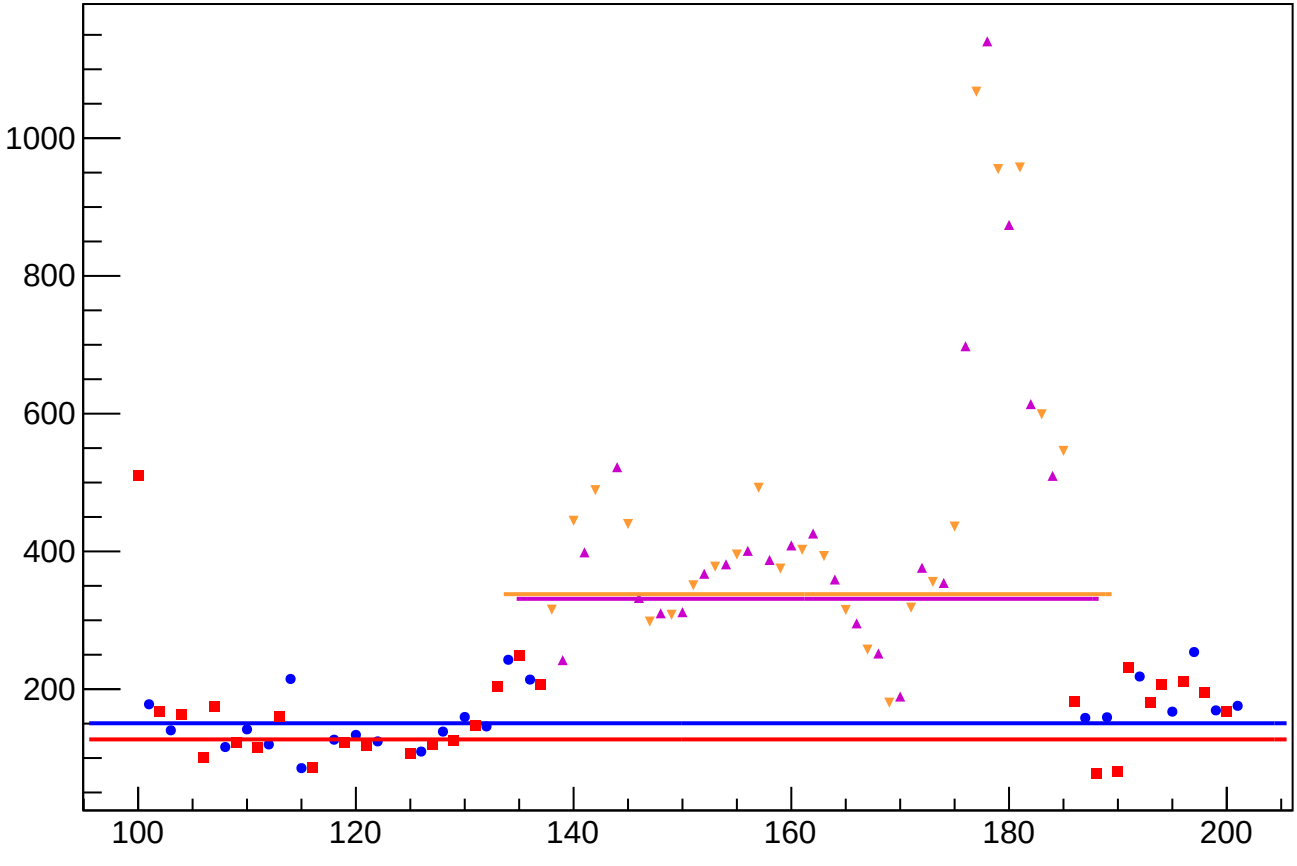
Right: 0.005+/-0.029 χ^2/NDF: 55.5/49

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.009+/-0.026 χ^2/NDF: 114.1/96

asym_usl_atl2_avg_eigen_dit_vs_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: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

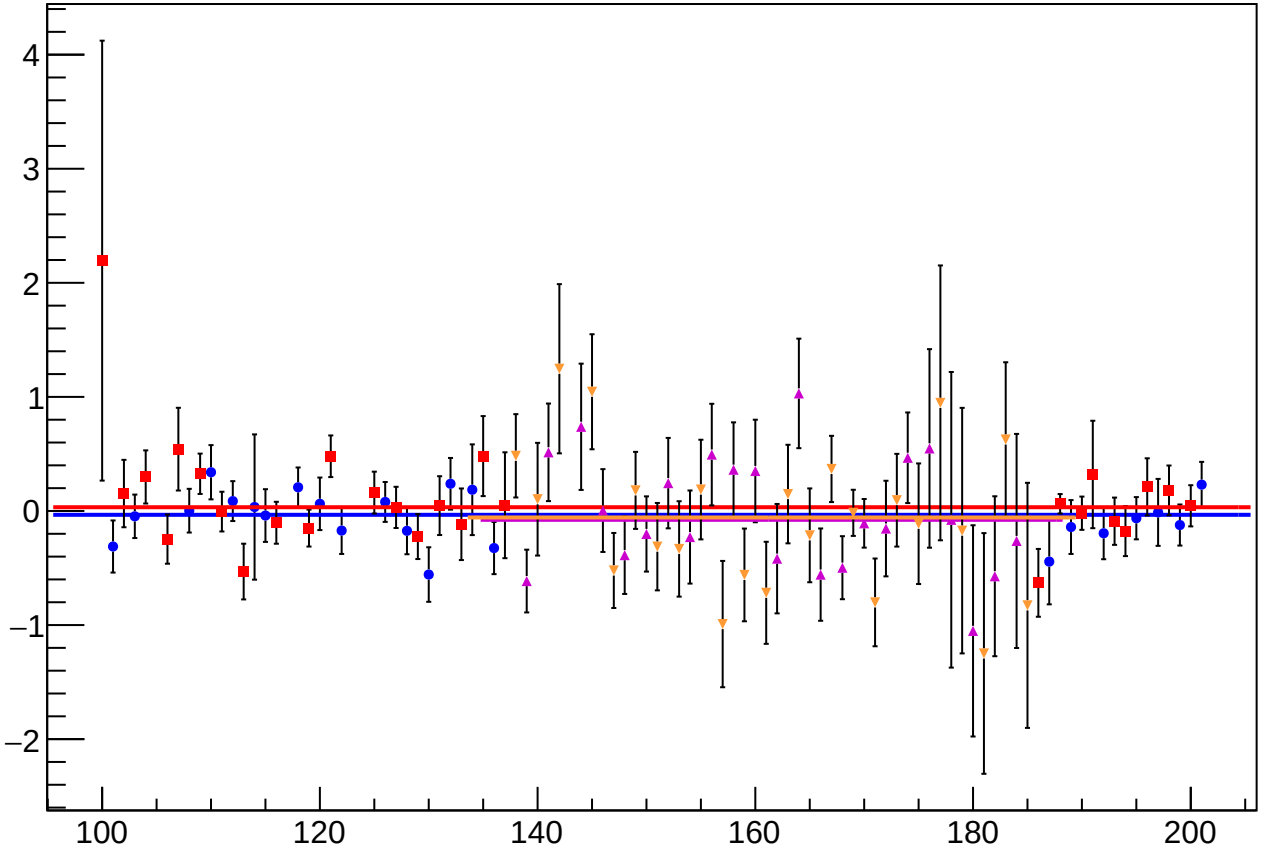
Right: 136.815+/-0.021 χ^2/NDF: 4437812.8/49

In: 192.030+/-0.028 χ^2/NDF:12640124.2/45

Out: 162.611+/-0.025 χ^2/NDF:17462983.7/50

All: 175.406+/-0.019 χ^2/NDF: 30714565.7/96

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: 0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

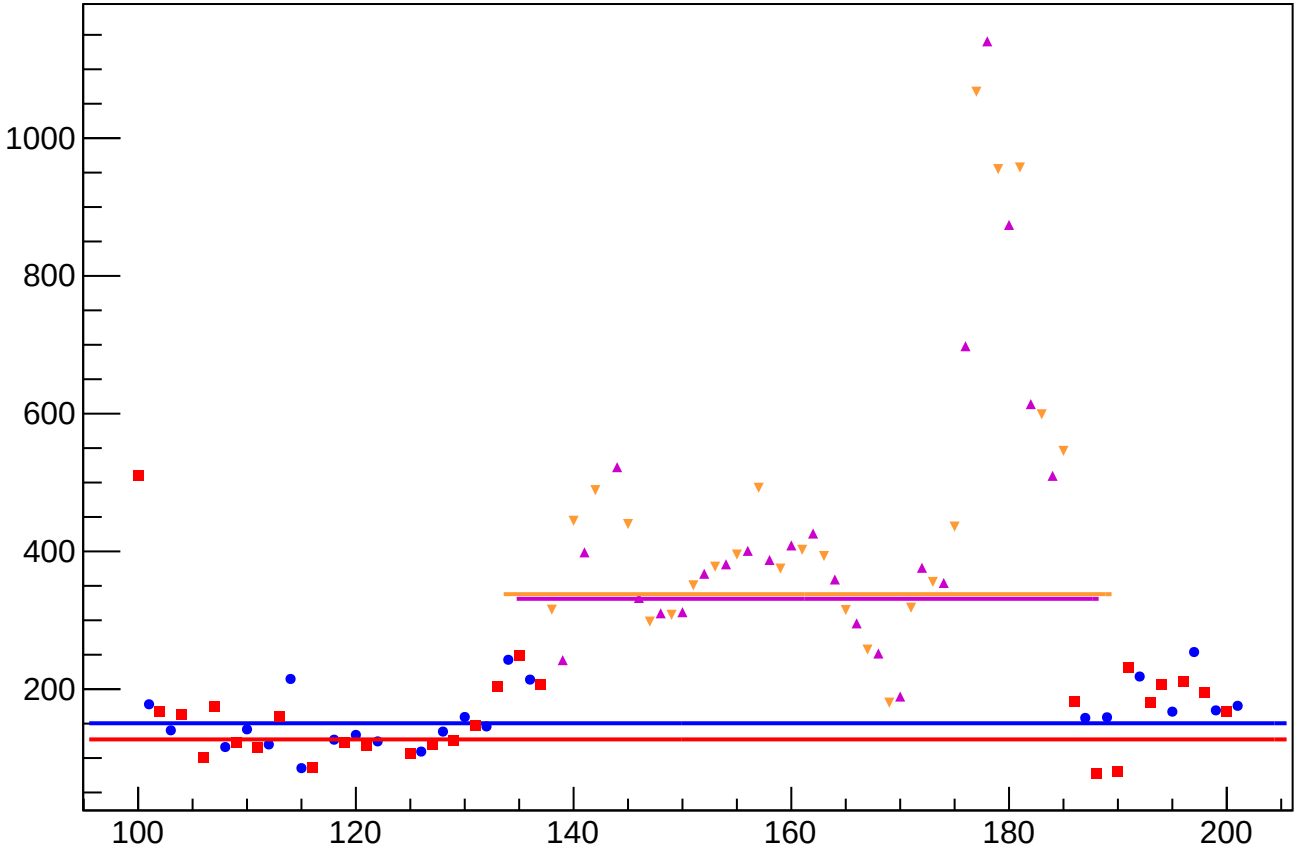
Right: 0.005+/-0.029 χ^2/NDF: 55.5/49

In: -0.044+/-0.040 χ^2/NDF:47.3/45

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.009+/-0.026 χ^2/NDF: 114.1/96

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: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

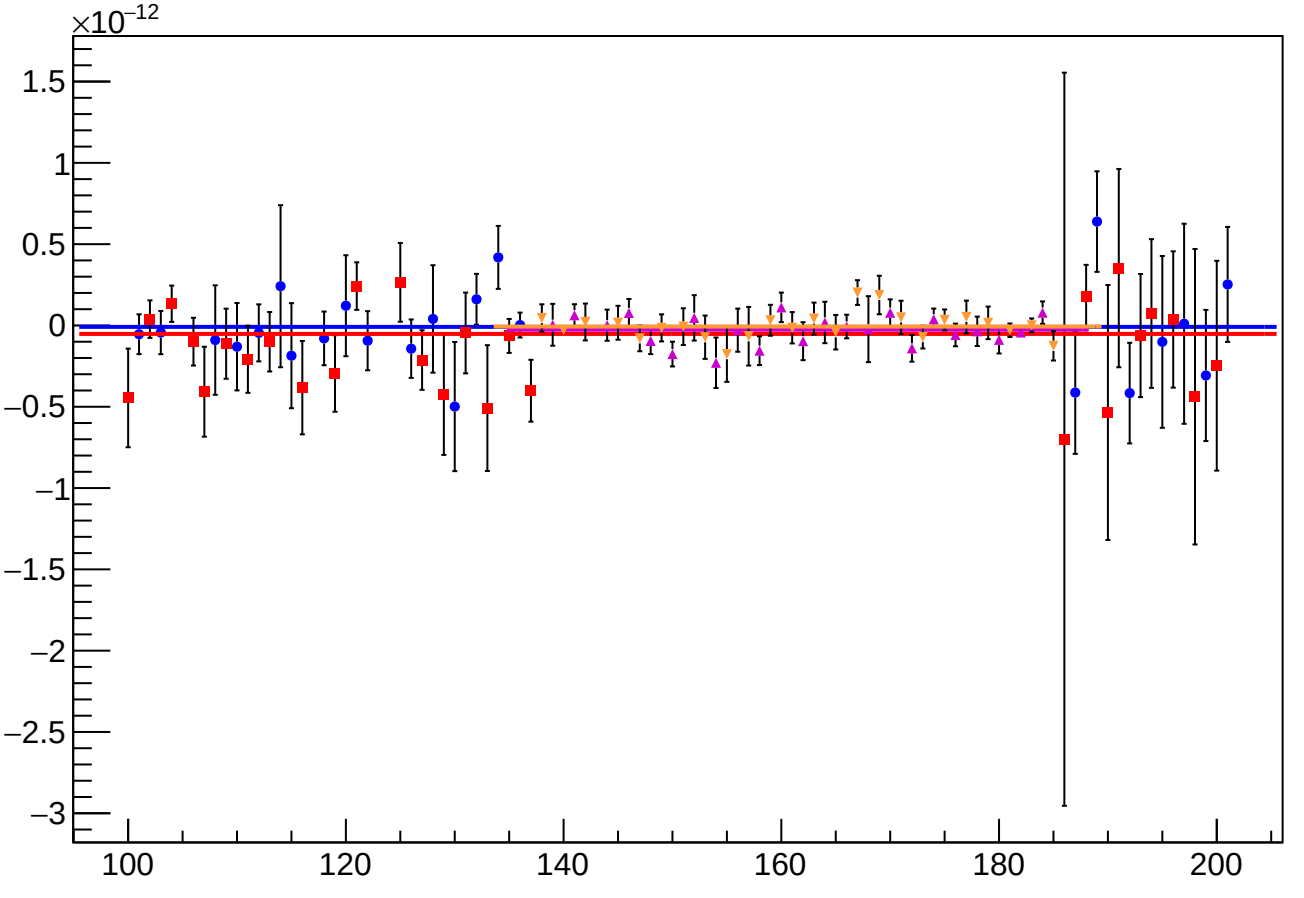
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 136.815+/-0.021 χ^2/NDF: 4437812.8/49

In: 192.030+/-0.028 χ^2/NDF:12640124.2/45

Out: 162.611+/-0.025 χ^2/NDF:17462983.7/50

All: 175.406+/-0.019 χ^2/NDF: 30714565.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

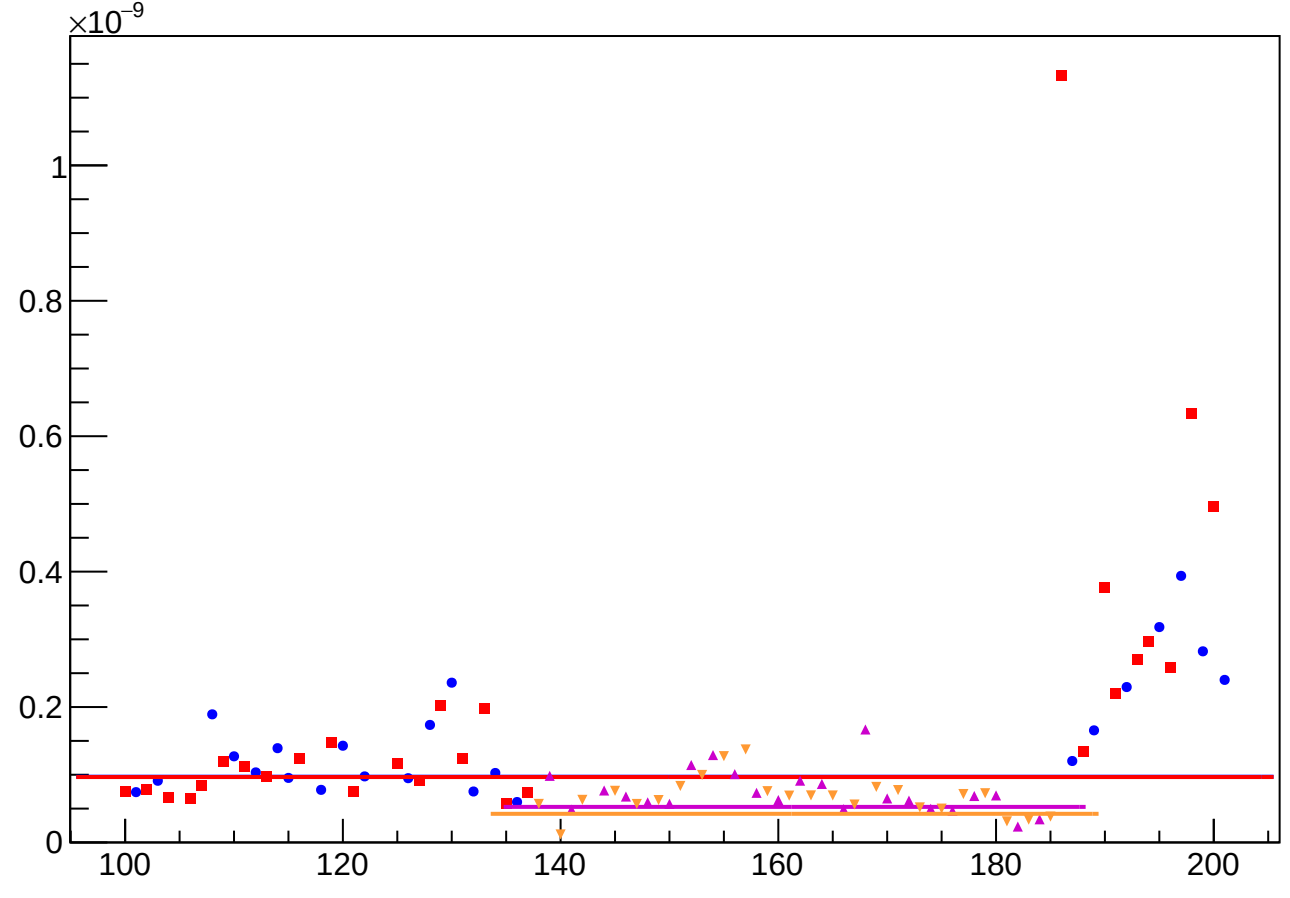
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

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

In: -0.000+/-0.000 χ^2/NDF:41.2/45

Out: -0.000+/-0.000 χ^2/NDF:44.1/50

All: -0.000+/-0.000 χ^2/NDF: 85.6/96



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: 4533267.6/26

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

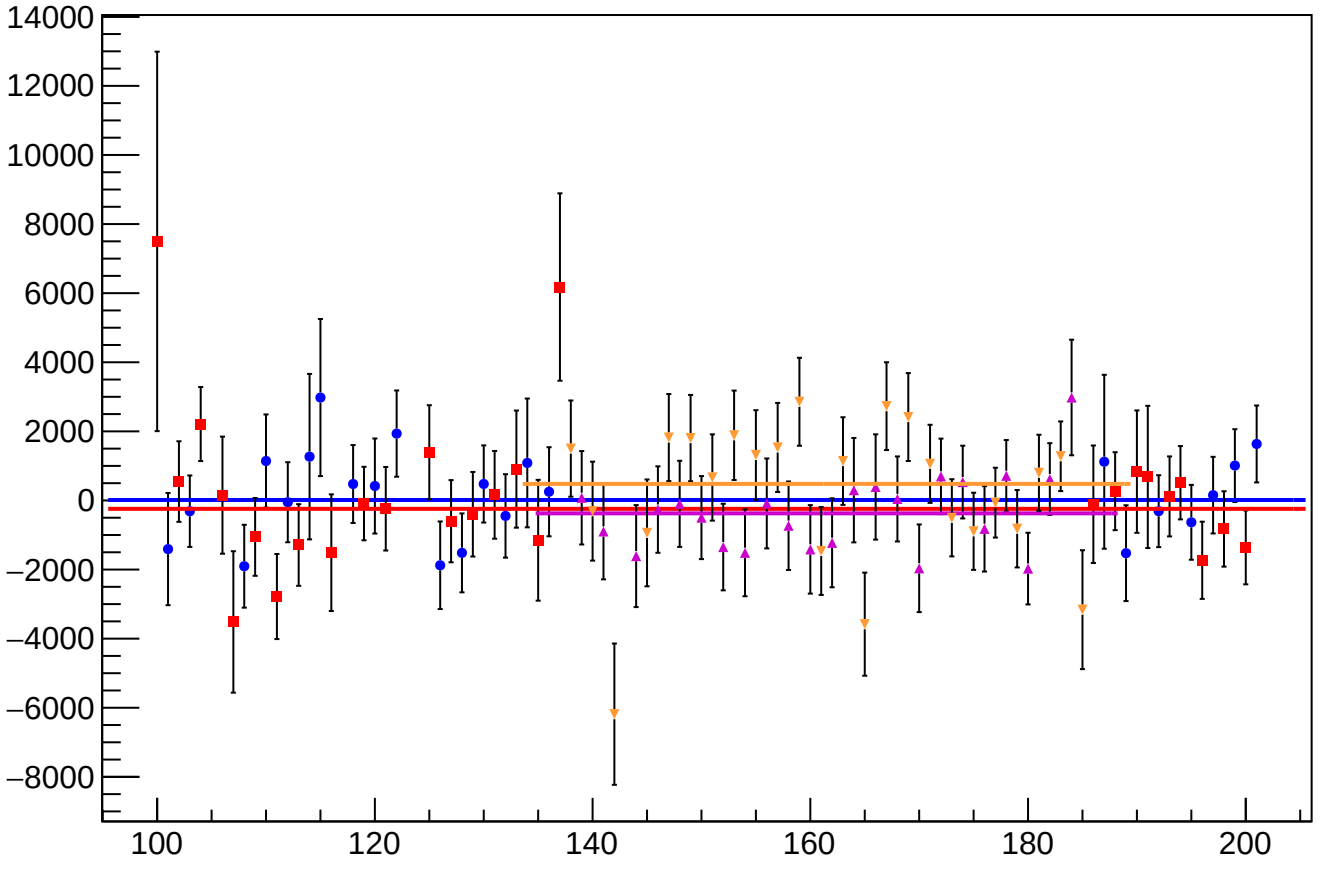
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 7775390.0/49

In: 0.000+/-0.000 χ^2/NDF:10210722.1/45

Out: 0.000+/-0.000 χ^2/NDF:14484296.1/50

All: 0.000+/-0.000 χ^2/NDF: 25196077.0/96



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: -242.738+/-254.069 χ^2/NDF: 29.0/26

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

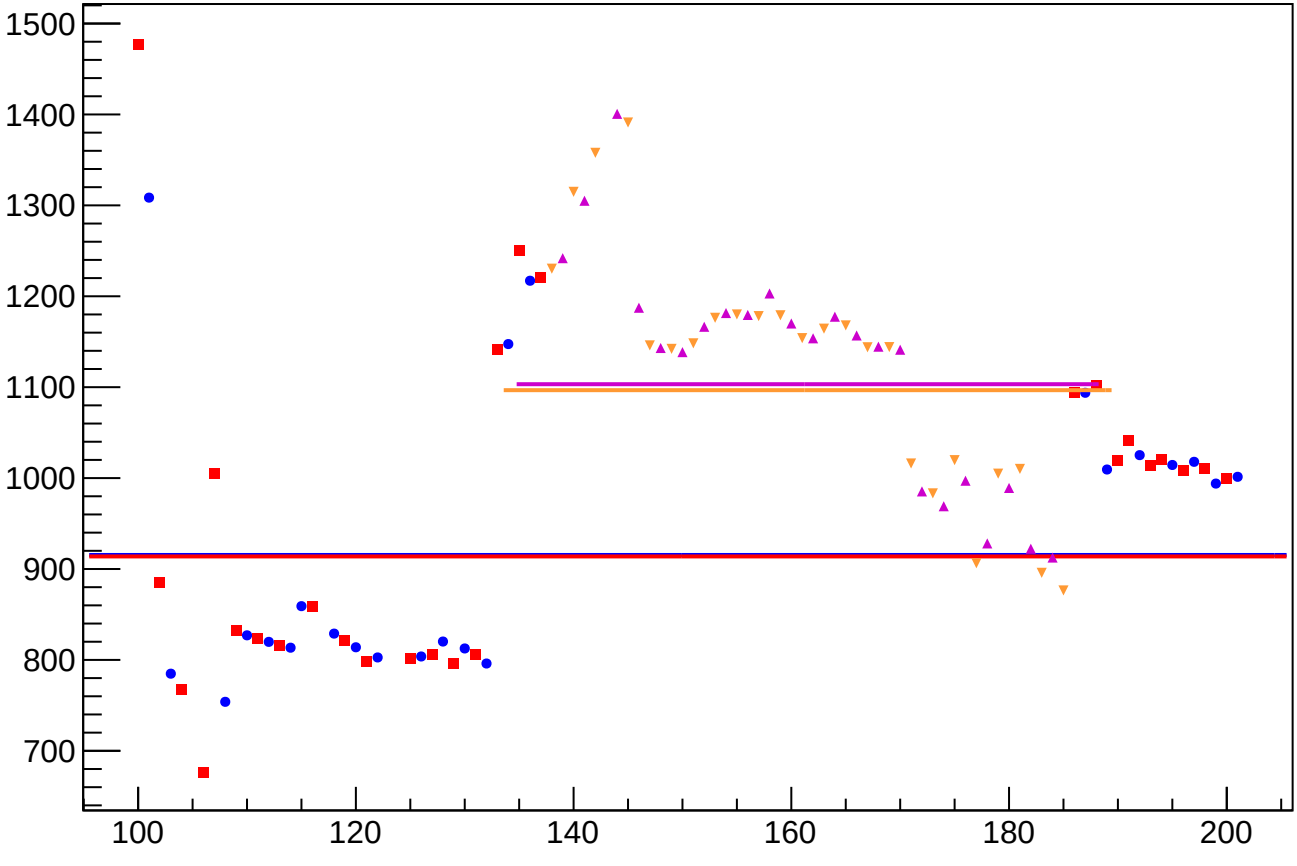
Right: -119.212+/-182.986 χ^2/NDF: 47.8/49

In: -182.794+/-184.916 χ^2/NDF:35.5/45

Out: 115.209+/-180.448 χ^2/NDF:78.1/50

All: -30.148+/-129.147 χ^2/NDF: 115.0/96

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: 913.831+/-0.178 χ^2/NDF: 570938.4/26

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

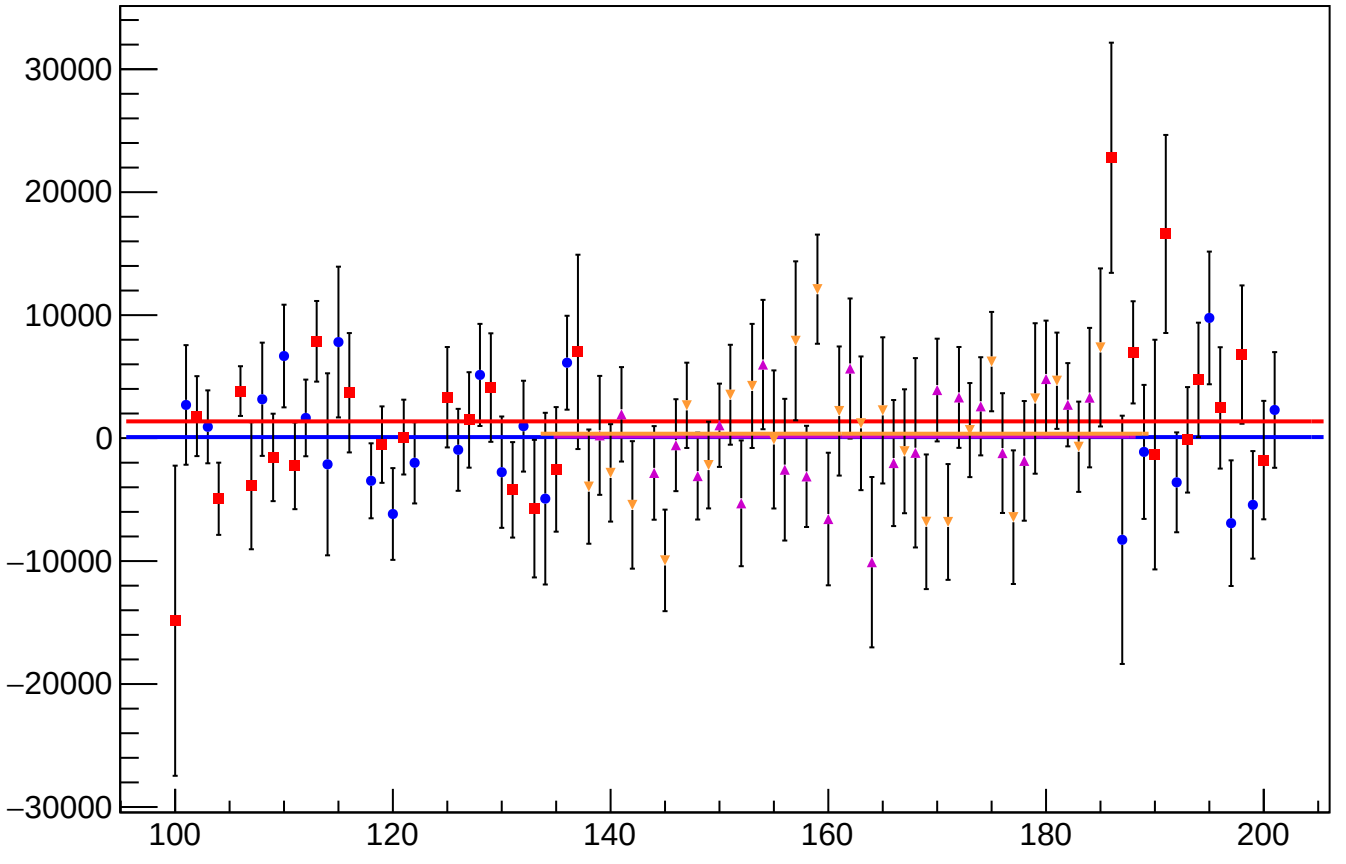
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 914.598+/-0.129 χ^2/NDF: 1127232.8/49

In: 1010.957+/-0.131 χ^2/NDF:1519599.1/45

Out: 1003.749+/-0.127 χ^2/NDF:1568931.3/50

All: 1007.251+/-0.091 χ^2/NDF: 3090093.2/96



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: 1360.462+/-778.735 χ^2/NDF: 33.4/26

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

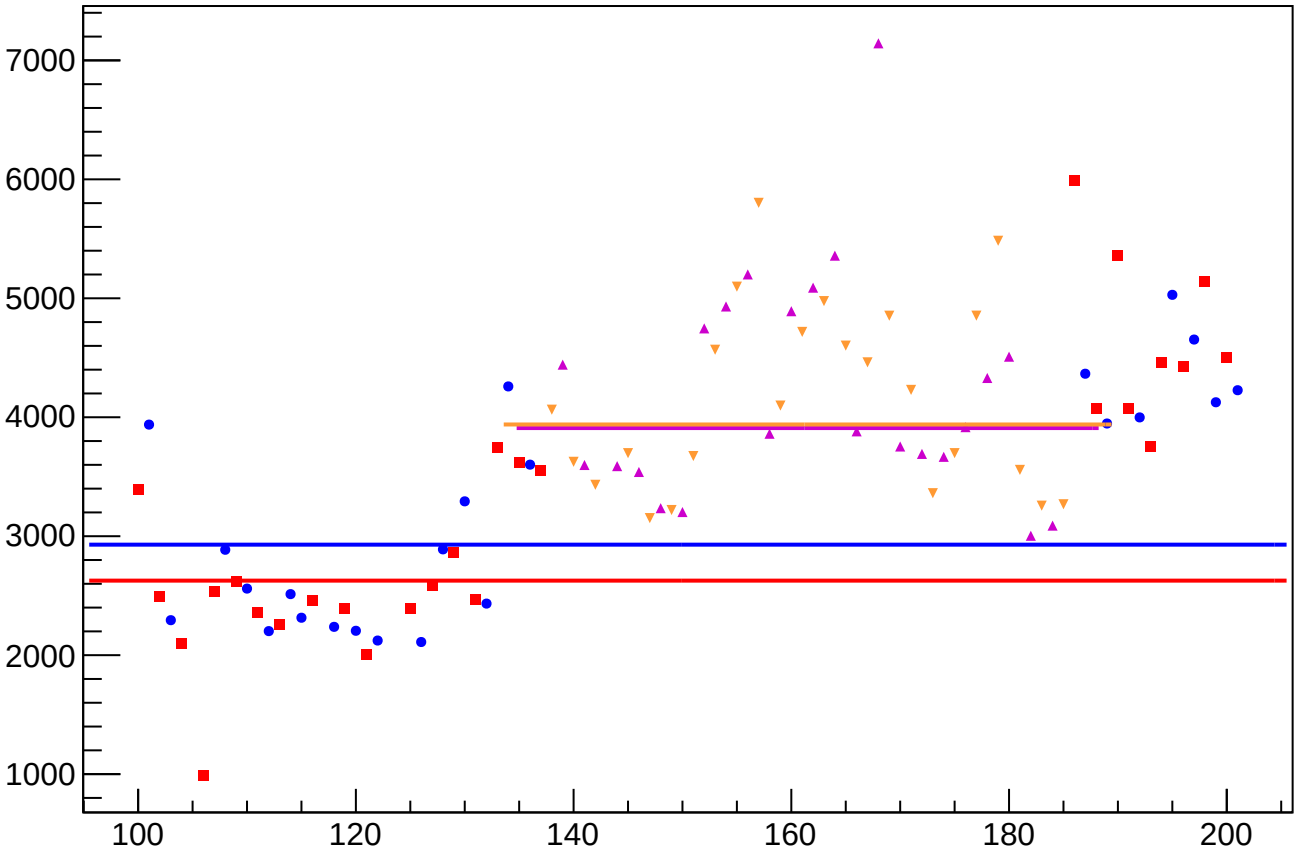
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 794.081+/-581.067 χ^2/NDF: 57.9/49

In: 103.201+/-637.266 χ^2/NDF:37.1/45

Out: 949.370+/-598.172 χ^2/NDF:64.4/50

All: 553.034+/-436.138 χ^2/NDF: 102.4/96



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: 2626.664+/-0.551 χ^2/NDF: 3874742.8/26

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

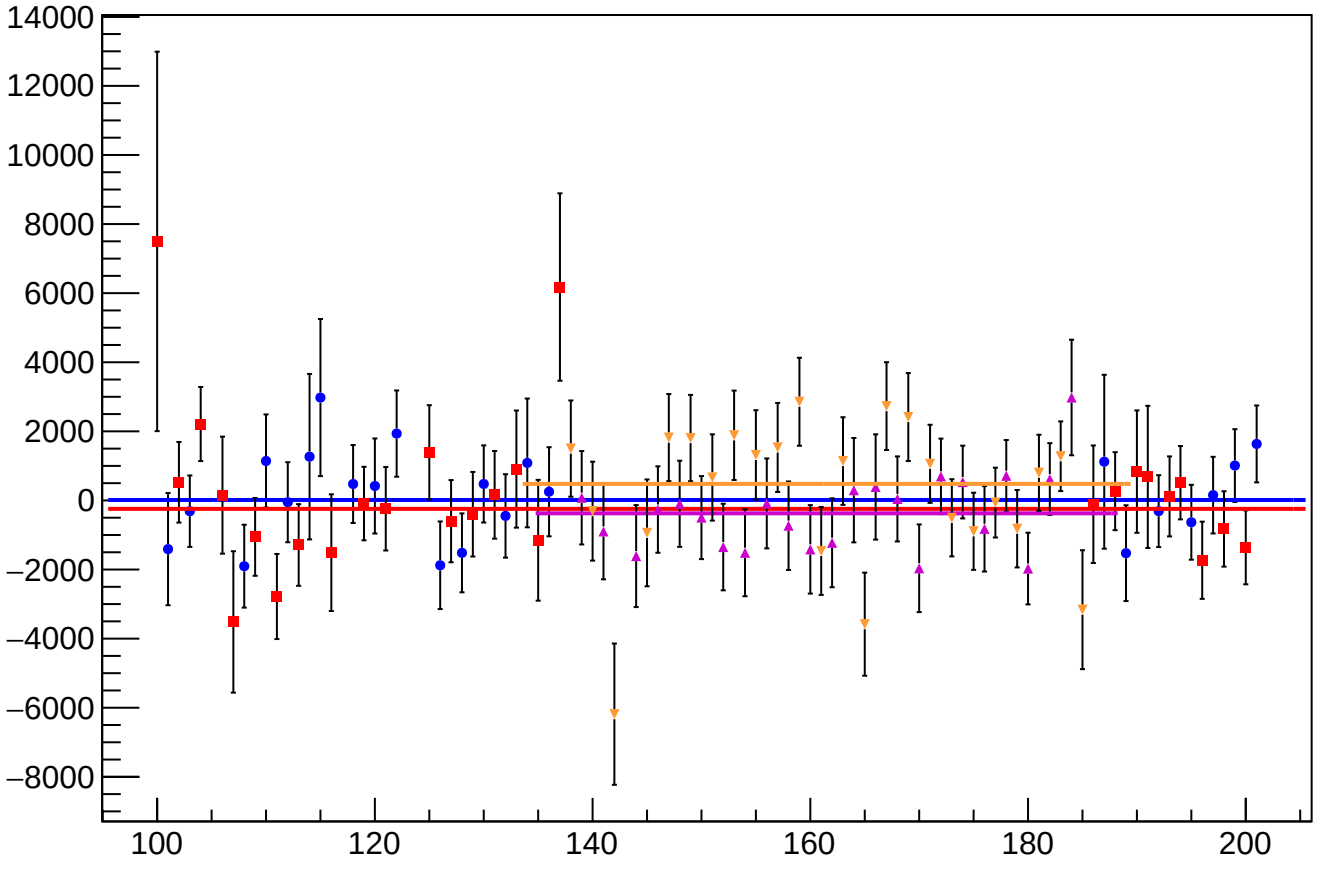
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2760.680+/-0.411 χ^2/NDF: 6020505.6/49

In: 3386.621+/-0.451 χ^2/NDF:4490417.0/45

Out: 3164.792+/-0.423 χ^2/NDF:7296934.3/50

All: 3268.694+/-0.308 χ^2/NDF: 11916182.0/9



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: -243.766+/-254.071 χ^2/NDF: 28.9/26

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

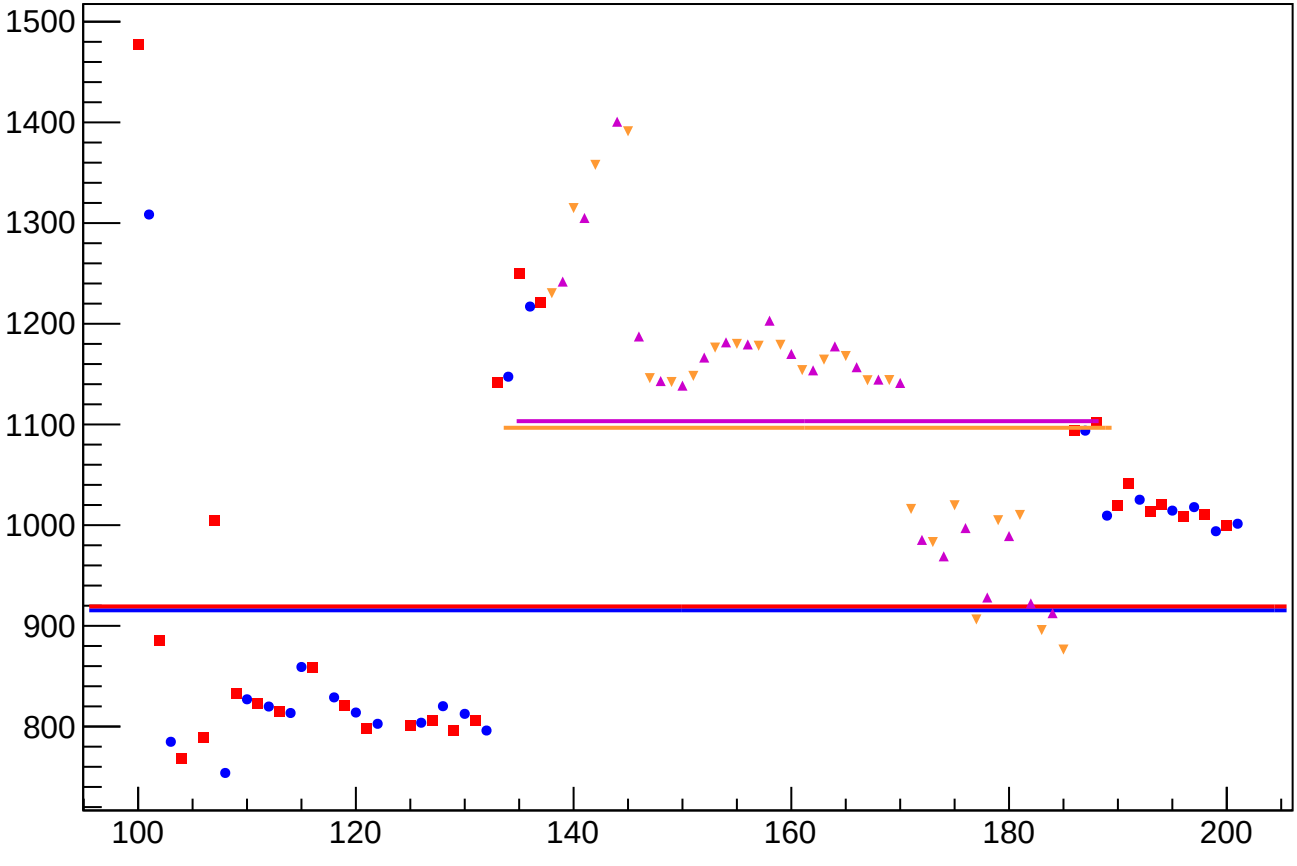
Right: -119.750+/-182.987 χ^2/NDF: 47.8/49

In: -182.786+/-184.916 χ^2/NDF:35.5/45

Out: 114.707+/-180.449 χ^2/NDF:78.1/50

All: -30.402+/-129.147 χ^2/NDF: 114.9/96

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: 919.281+/-0.179 χ^2/NDF: 516887.6/26

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

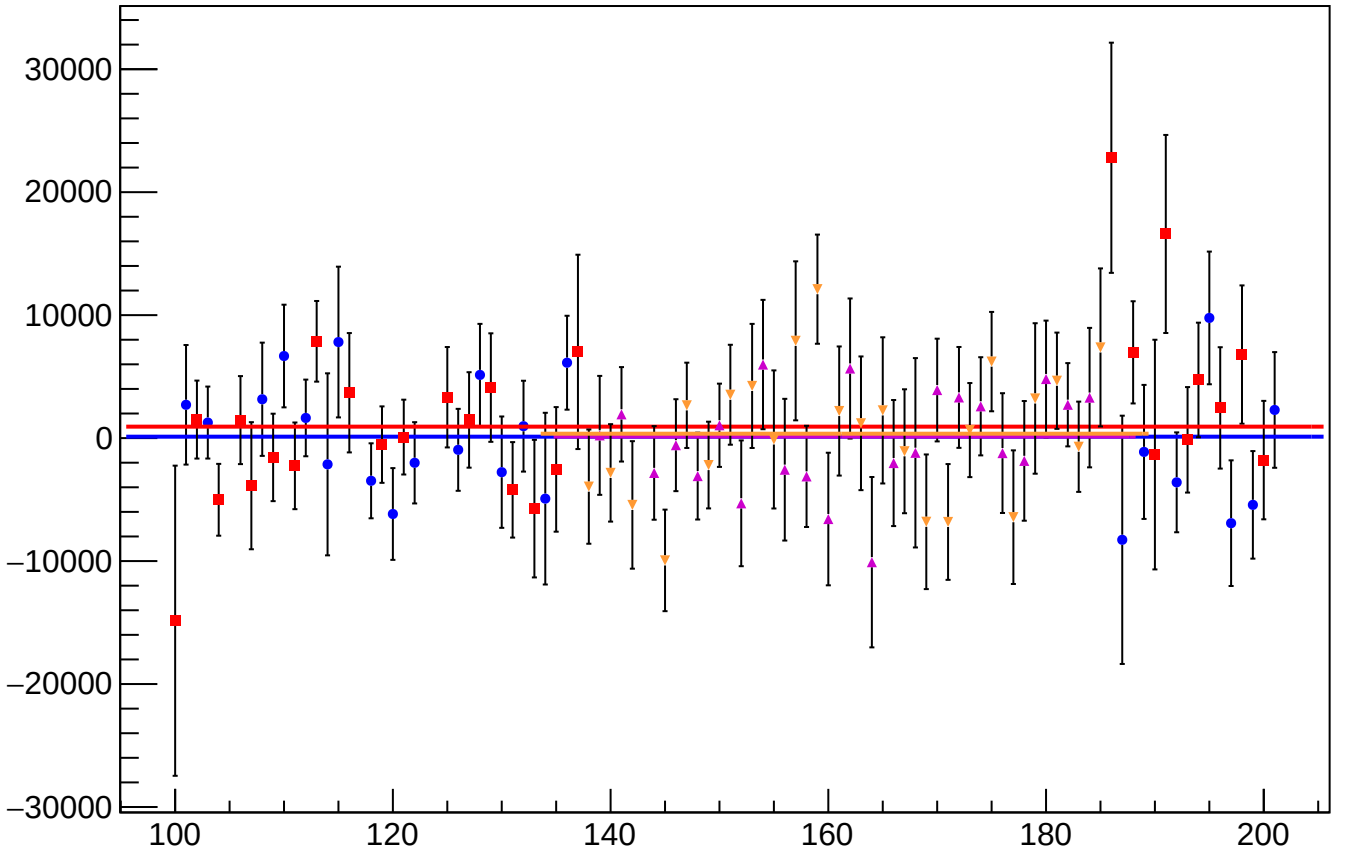
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 917.437+/-0.129 χ^2/NDF: 1073364.0/49

In: 1010.957+/-0.131 χ^2/NDF:1519599.2/45

Out: 1006.924+/-0.127 χ^2/NDF:1482310.5/50

All: 1008.888+/-0.091 χ^2/NDF: 3002397.8/96



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: 931.850+/-819.653 χ^2/NDF: 31.8/26

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

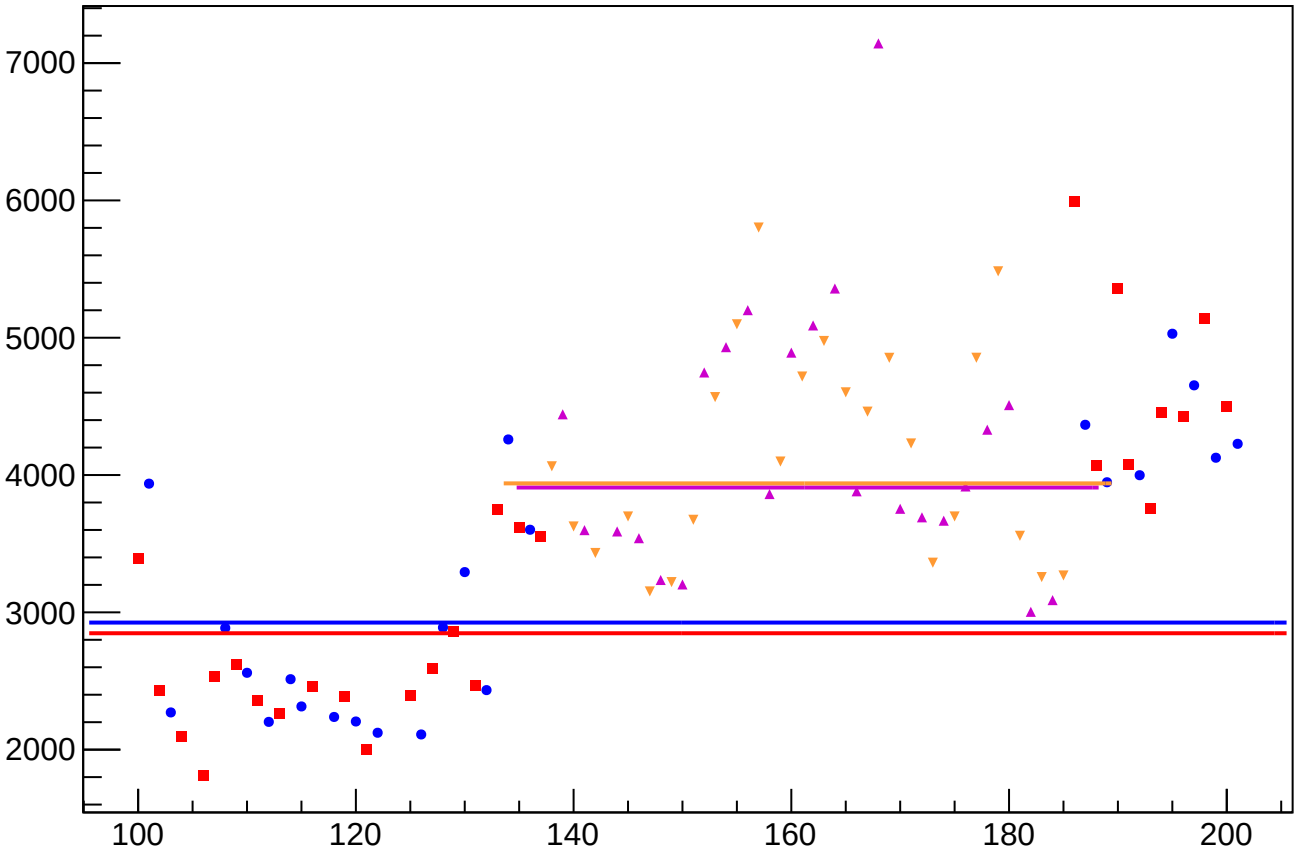
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 548.917+/-597.160 χ^2/NDF: 55.7/49

In: 120.815+/-636.872 χ^2/NDF:37.2/45

Out: 682.133+/-616.129 χ^2/NDF:62.3/50

All: 410.764+/-442.821 χ^2/NDF: 99.9/96



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: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

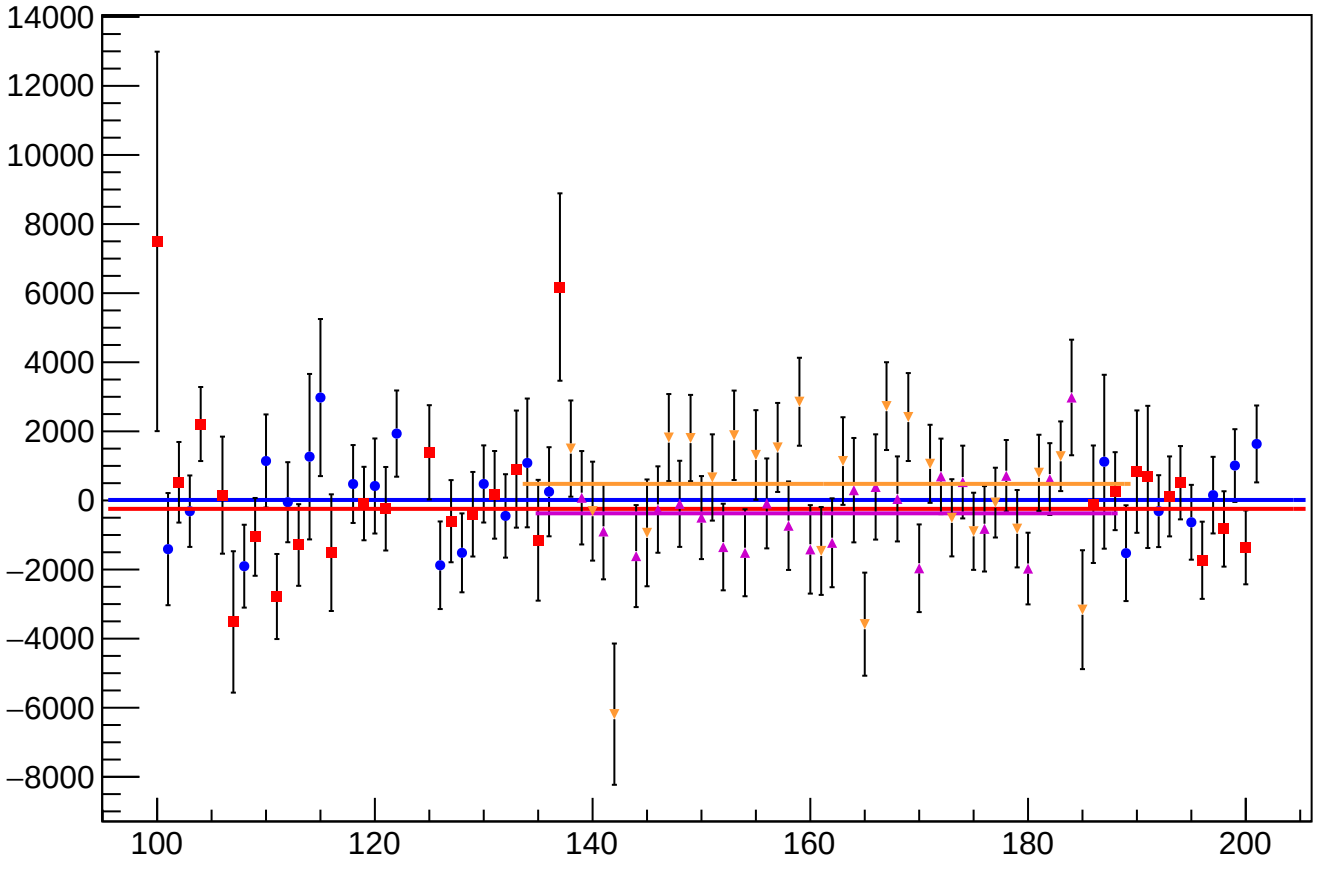
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2884.251+/-0.422 χ^2/NDF: 4554649.7/49

In: 3384.174+/-0.450 χ^2/NDF:4509432.4/45

Out: 3322.530+/-0.436 χ^2/NDF:5160064.8/50

All: 3352.331+/-0.313 χ^2/NDF: 9679175.9/96



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: -243.766+/-254.071 χ^2/NDF: 28.9/26

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

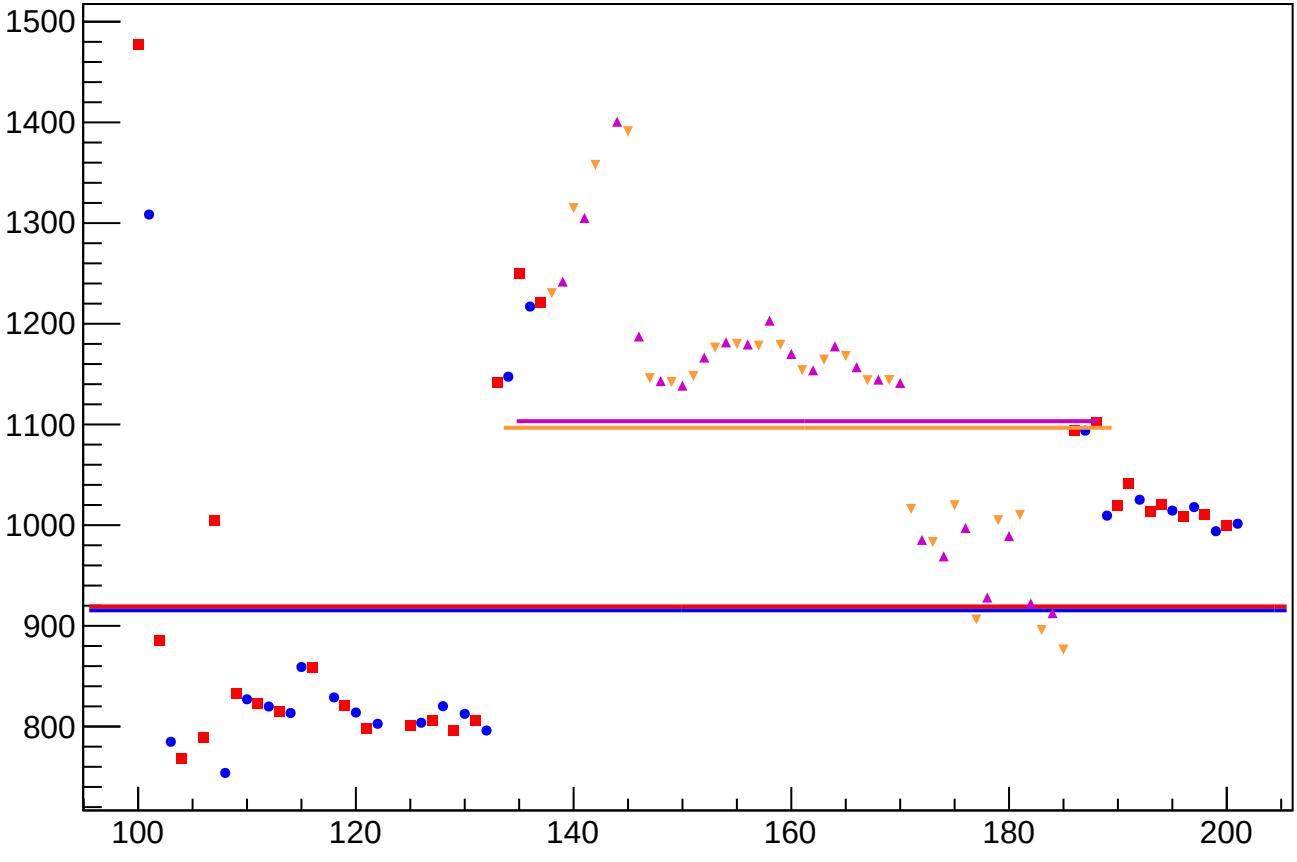
Right: -119.750+/-182.987 χ^2/NDF: 47.8/49

In: -182.786+/-184.916 χ^2/NDF:35.5/45

Out: 114.707+/-180.449 χ^2/NDF:78.1/50

All: -30.402+/-129.147 χ^2/NDF: 114.9/96

eigen_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: 919.281+/-0.179 χ^2/NDF: 516887.6/26

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

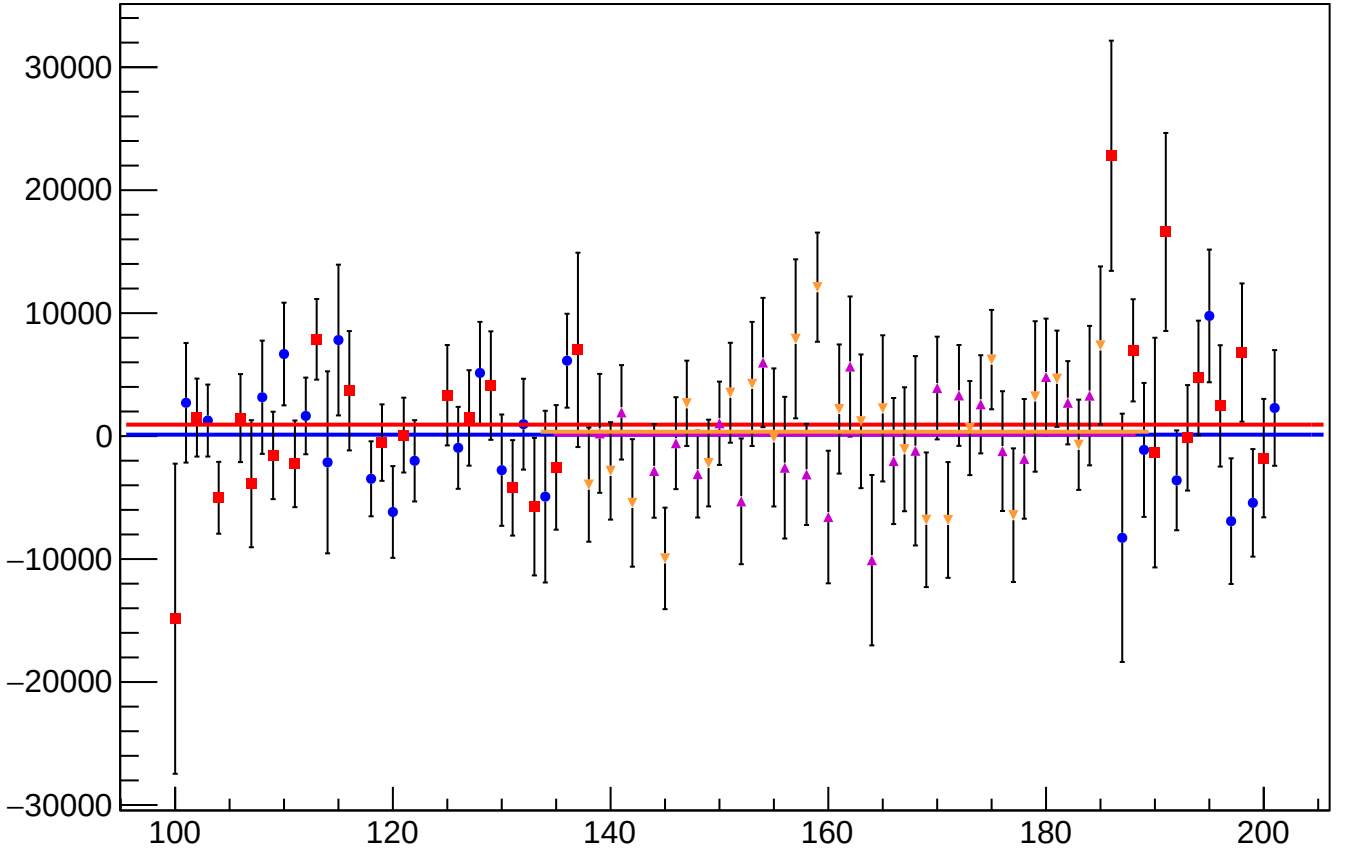
Right: 917.437+/-0.129 χ^2/NDF: 1073364.0/49

In: 1010.957+/-0.131 χ^2/NDF:1519599.2/45

Out: 1006.924+/-0.127 χ^2/NDF:1482310.5/50

All: 1008.888+/-0.091 χ^2/NDF: 3002397.8/96

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 931.850+/-819.653 χ^2/NDF: 31.8/26

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

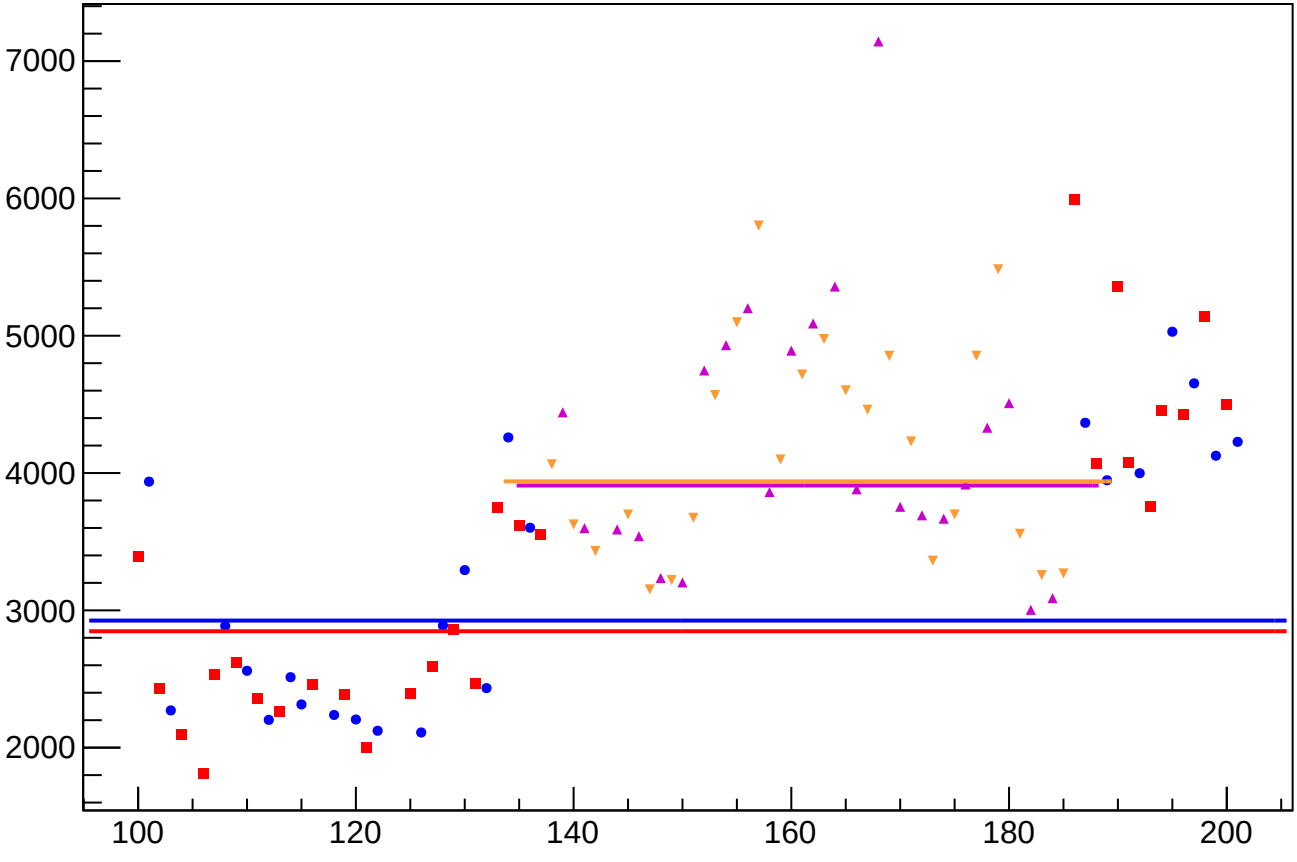
Right: 548.917+/-597.160 χ^2/NDF: 55.7/49

In: 120.815+/-636.872 χ^2/NDF:37.2/45

Out: 682.133+/-616.129 χ^2/NDF:62.3/50

All: 410.764+/-442.821 χ^2/NDF: 99.9/96

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

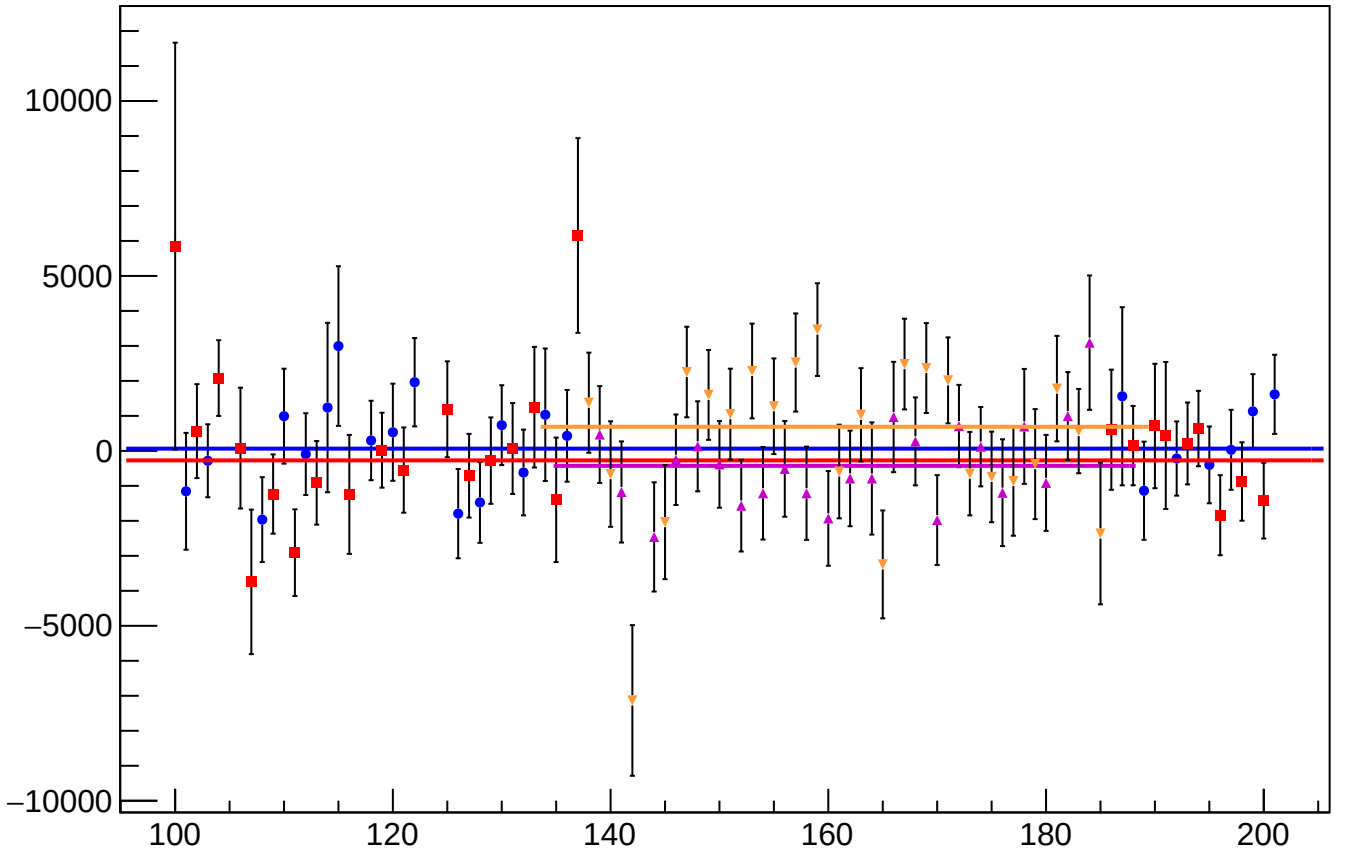
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2884.251+/-0.422 χ^2/NDF: 4554649.7/49

In: 3384.174+/-0.450 χ^2/NDF:4509432.4/45

Out: 3322.530+/-0.436 χ^2/NDF:5160064.8/50

All: 3352.331+/-0.313 χ^2/NDF: 9679175.9/96



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: -271.835+/-258.565 χ^2/NDF: 27.9/26

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

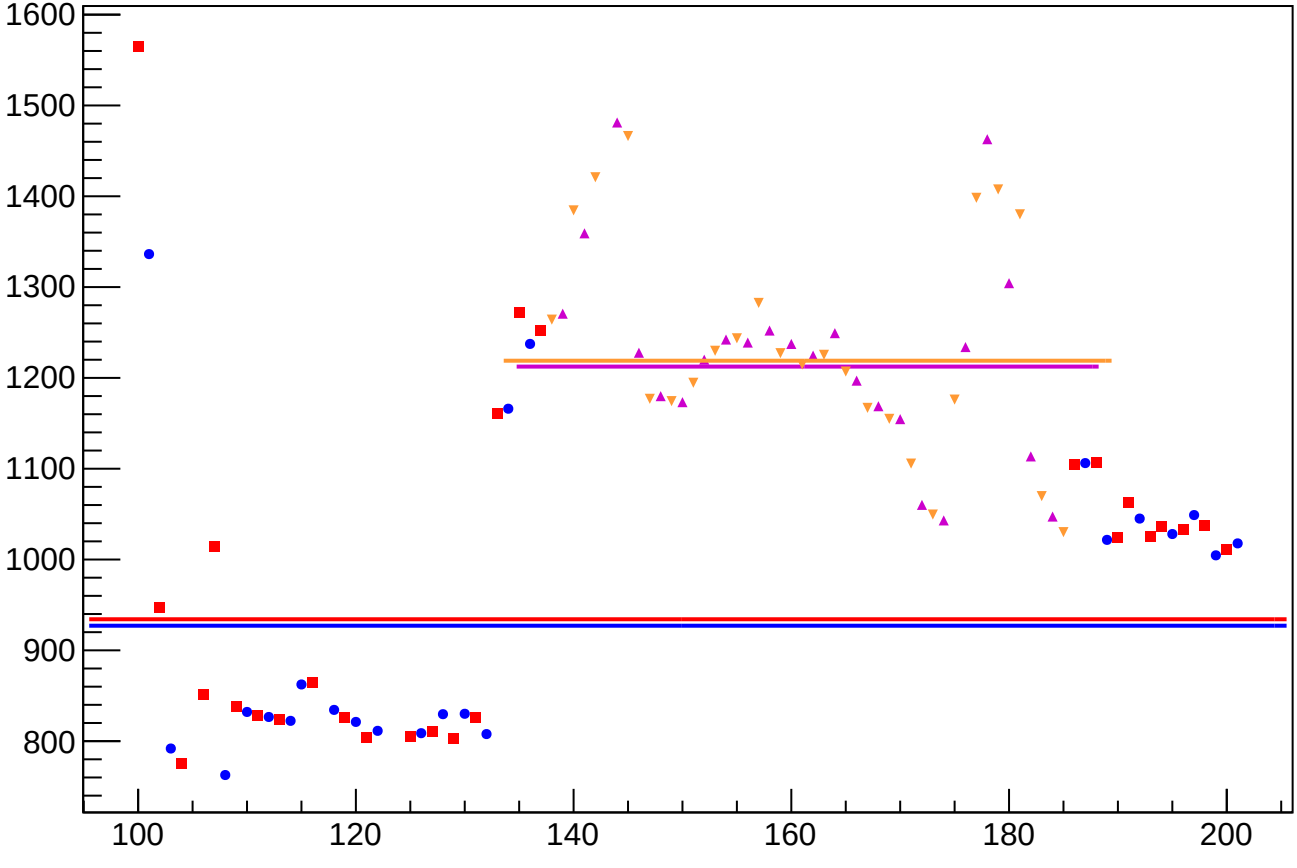
Right: -109.587+/-185.866 χ^2/NDF: 46.1/49

In: -166.920+/-194.794 χ^2/NDF:33.5/45

Out: 163.028+/-191.312 χ^2/NDF:79.9/50

All: 1.028+/-136.492 χ^2/NDF: 114.9/96

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: 934.230+/-0.183 χ^2/NDF: 526074.9/26

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

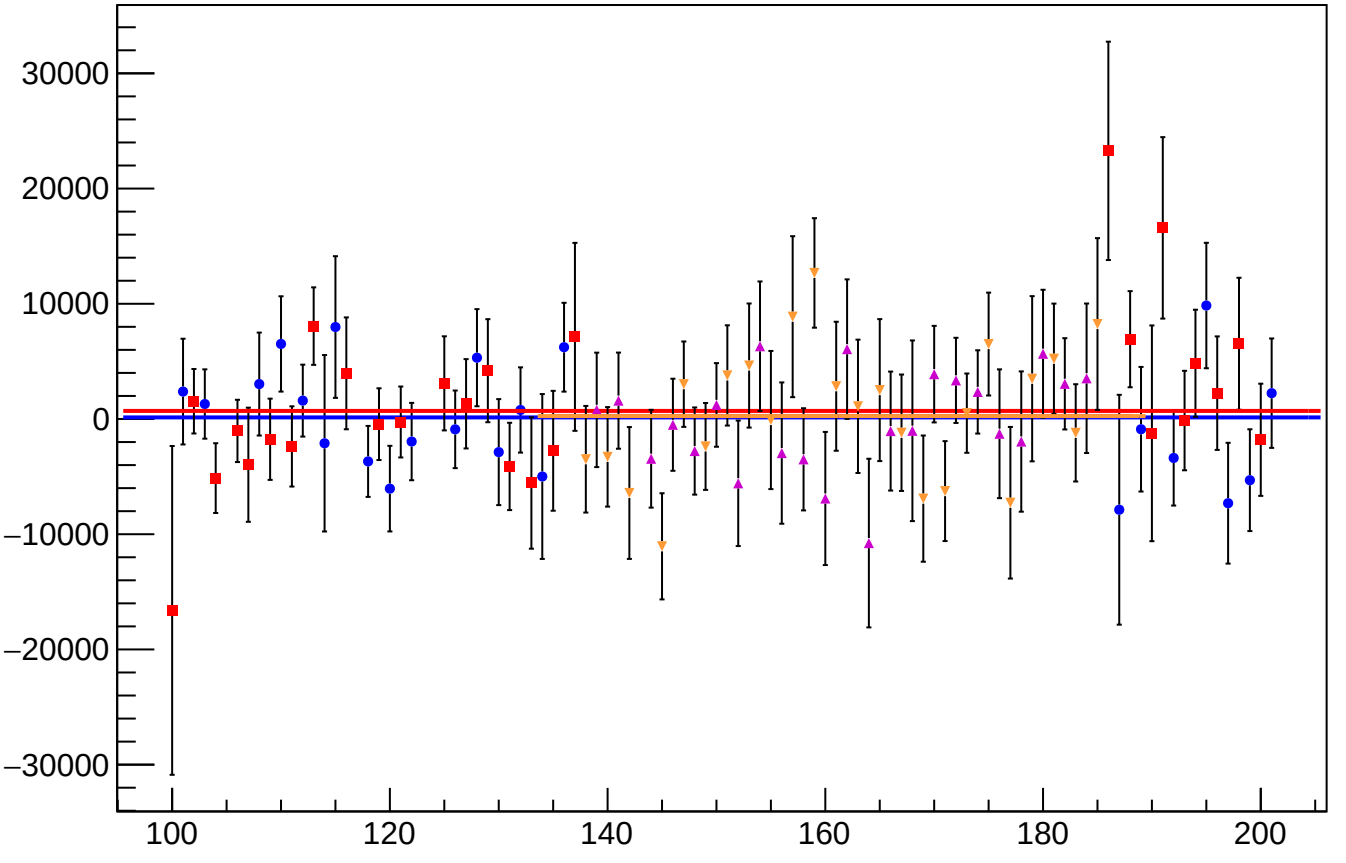
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 930.793+/-0.131 χ^2/NDF: 1104551.6/49

In: 1060.988+/-0.138 χ^2/NDF:1906801.5/45

Out: 1062.983+/-0.135 χ^2/NDF:1917853.3/50

All: 1062.004+/-0.096 χ^2/NDF: 3824761.6/96



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: 701.642+/-800.417 χ^2/NDF: 32.4/26

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

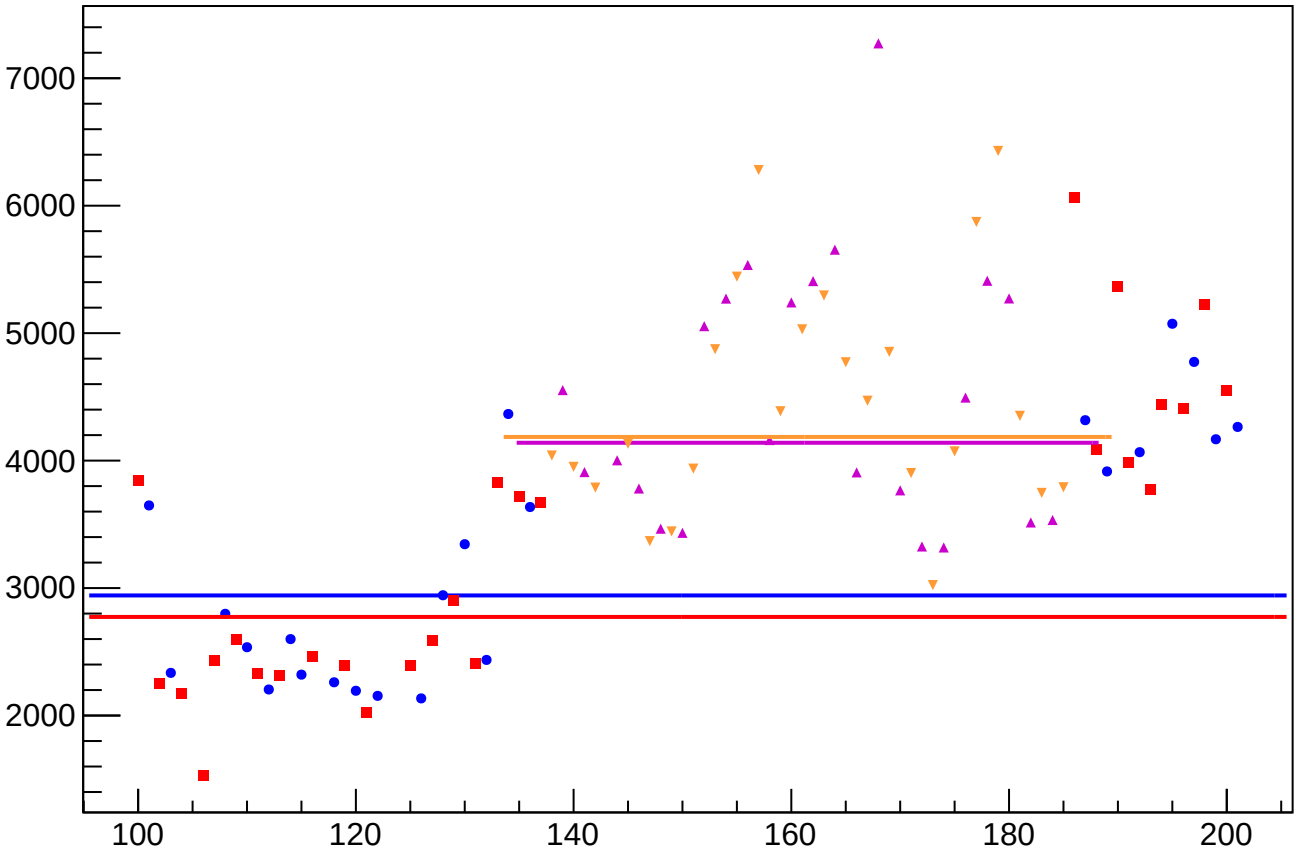
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 445.562+/-591.273 χ^2/NDF: 55.9/49

In: 194.383+/-656.584 χ^2/NDF:36.7/45

Out: 525.334+/-623.704 χ^2/NDF:62.2/50

All: 368.352+/-452.203 χ^2/NDF: 99.0/96



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: 2773.676+/-0.566 χ^2/NDF: 2885187.0/26

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

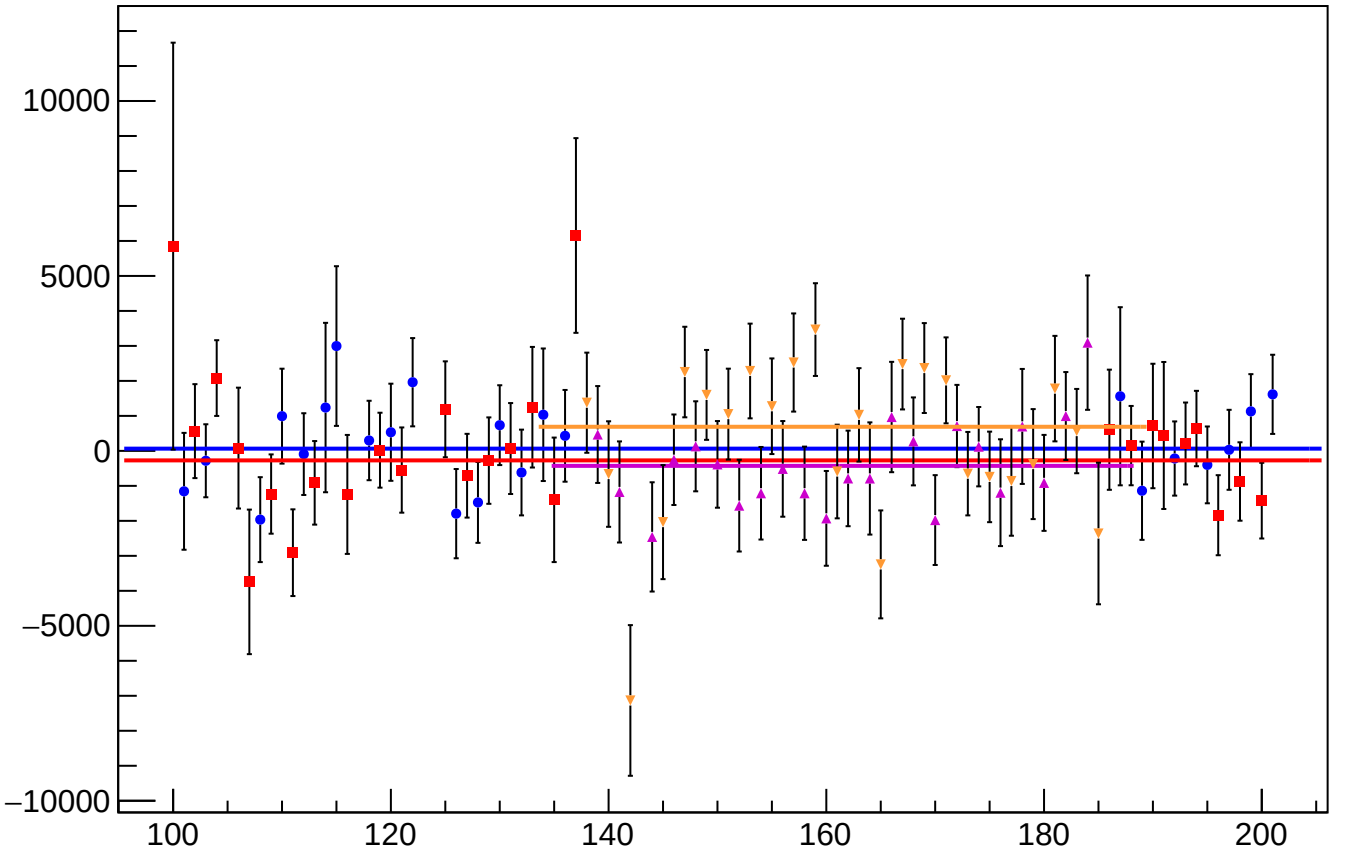
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2850.233+/-0.418 χ^2/NDF: 4923279.5/49

In: 3468.986+/-0.464 χ^2/NDF:5087801.2/45

Out: 3328.314+/-0.441 χ^2/NDF:6601192.6/50

All: 3395.040+/-0.320 χ^2/NDF: 11737252.3/9



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: -271.837+/-258.565 χ^2/NDF: 27.9/26

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

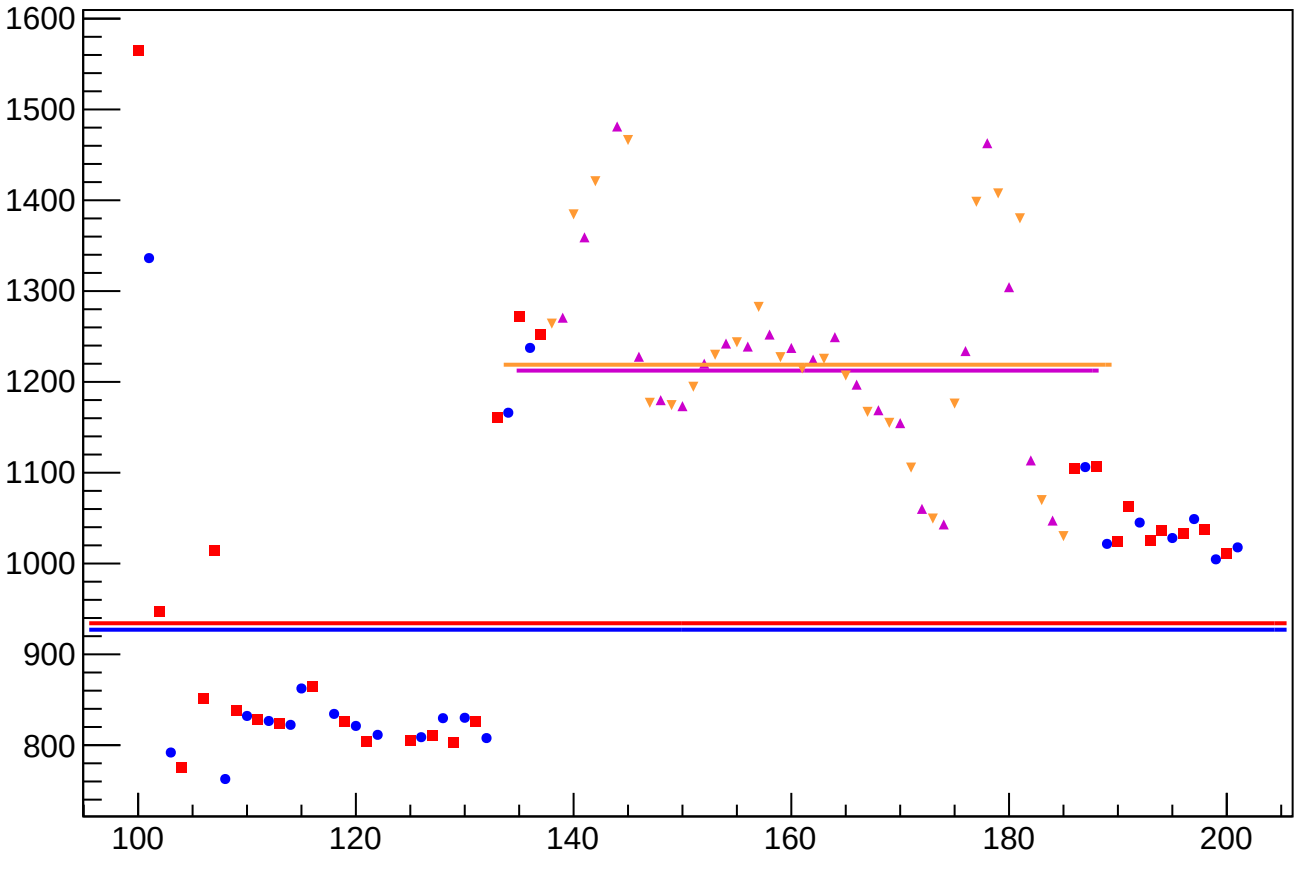
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -109.588+/-185.866 χ^2/NDF: 46.1/49

In: -166.919+/-194.794 χ^2/NDF:33.5/45

Out: 163.027+/-191.313 χ^2/NDF:79.9/50

All: 1.028+/-136.493 χ^2/NDF: 114.9/96



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: 934.230+/-0.183 χ^2/NDF: 526075.3/26

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

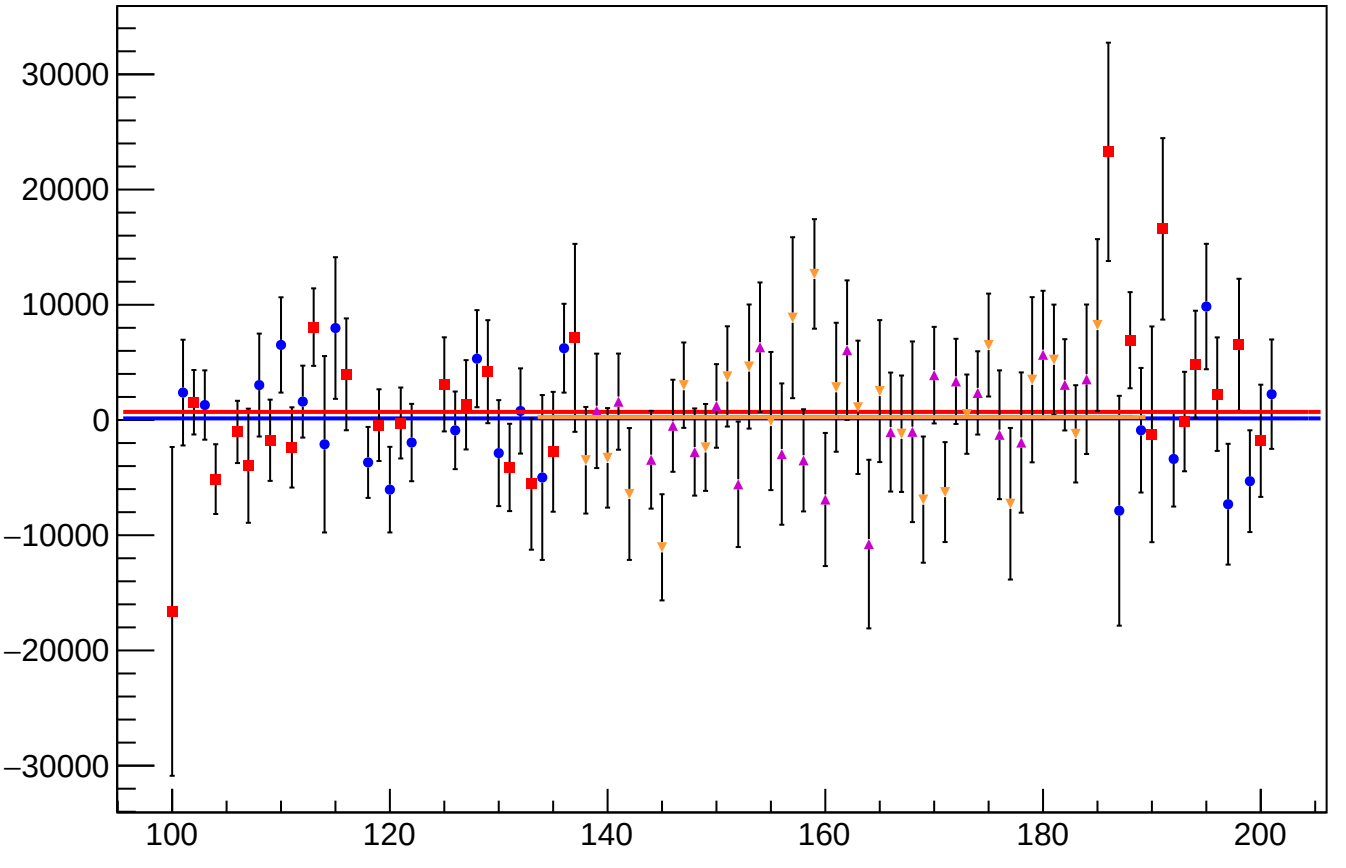
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 930.793+/-0.131 χ^2/NDF: 1104551.9/49

In: 1060.988+/-0.138 χ^2/NDF:1906817.7/45

Out: 1062.983+/-0.135 χ^2/NDF:1917870.6/50

All: 1062.004+/-0.096 χ^2/NDF: 3824795.1/96



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: 701.637+/-800.415 χ^2/NDF: 32.4/26

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

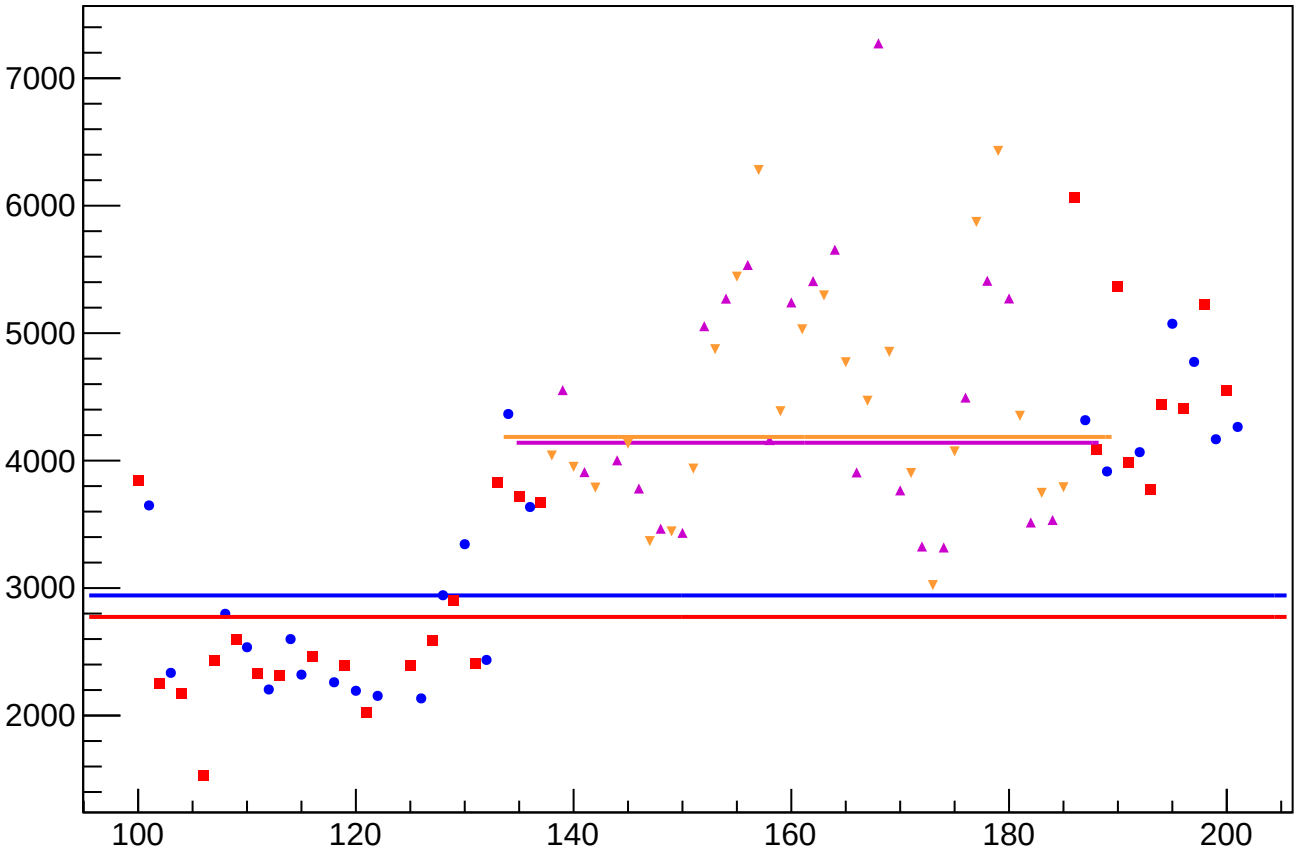
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 445.559+/-591.272 χ^2/NDF: 55.9/49

In: 194.381+/-656.583 χ^2/NDF:36.7/45

Out: 525.333+/-623.704 χ^2/NDF:62.2/50

All: 368.351+/-452.202 χ^2/NDF: 99.0/96



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: 2773.669+/-0.566 χ^2/NDF: 2885212.0/26

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

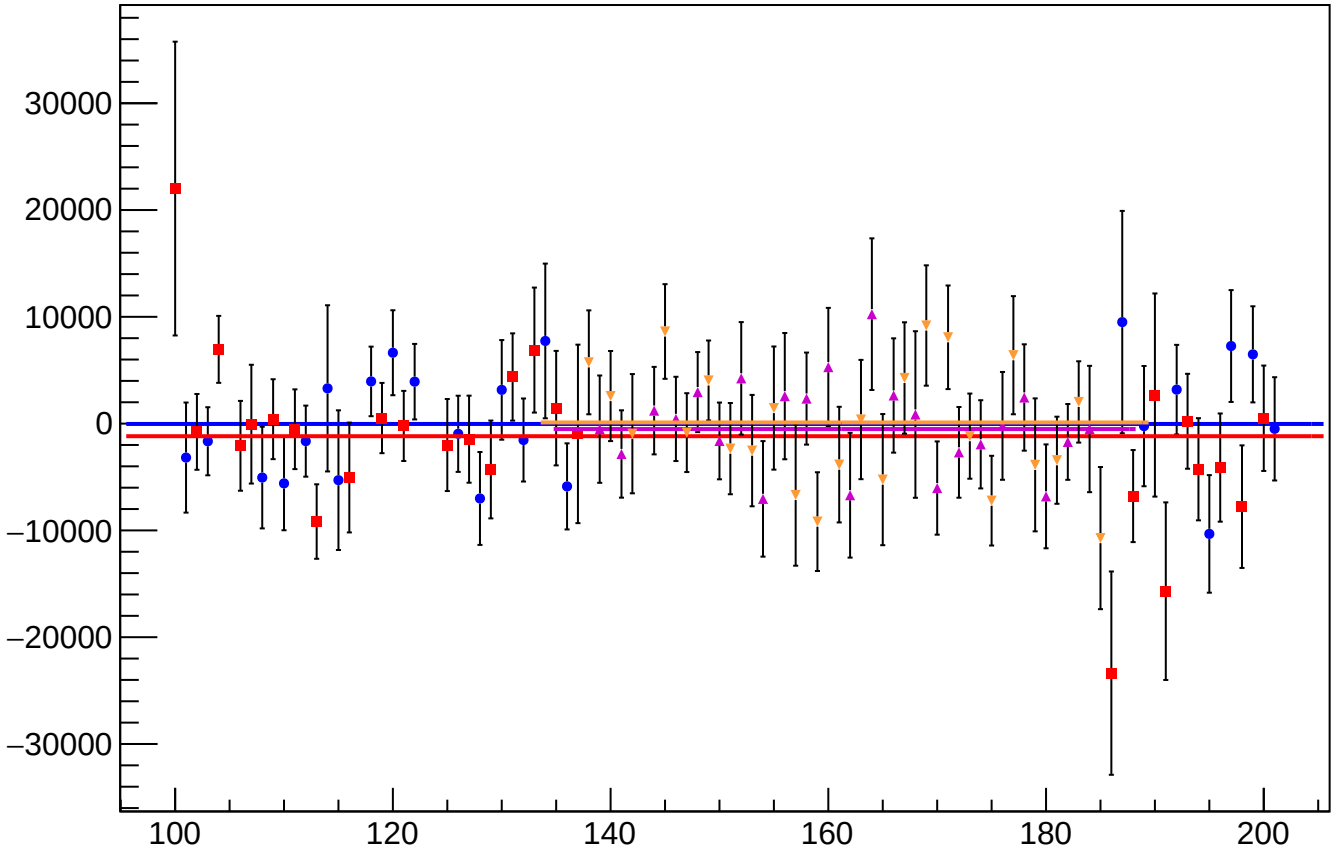
Right: 2850.226+/-0.418 χ^2/NDF: 4923331.0/49

In: 3468.982+/-0.464 χ^2/NDF:5087871.3/45

Out: 3328.311+/-0.441 χ^2/NDF:6601266.1/50

All: 3395.036+/-0.320 χ^2/NDF: 11737395.8/9

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: -1179.006+/-870.802 χ^2/NDF: 33.2/26

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

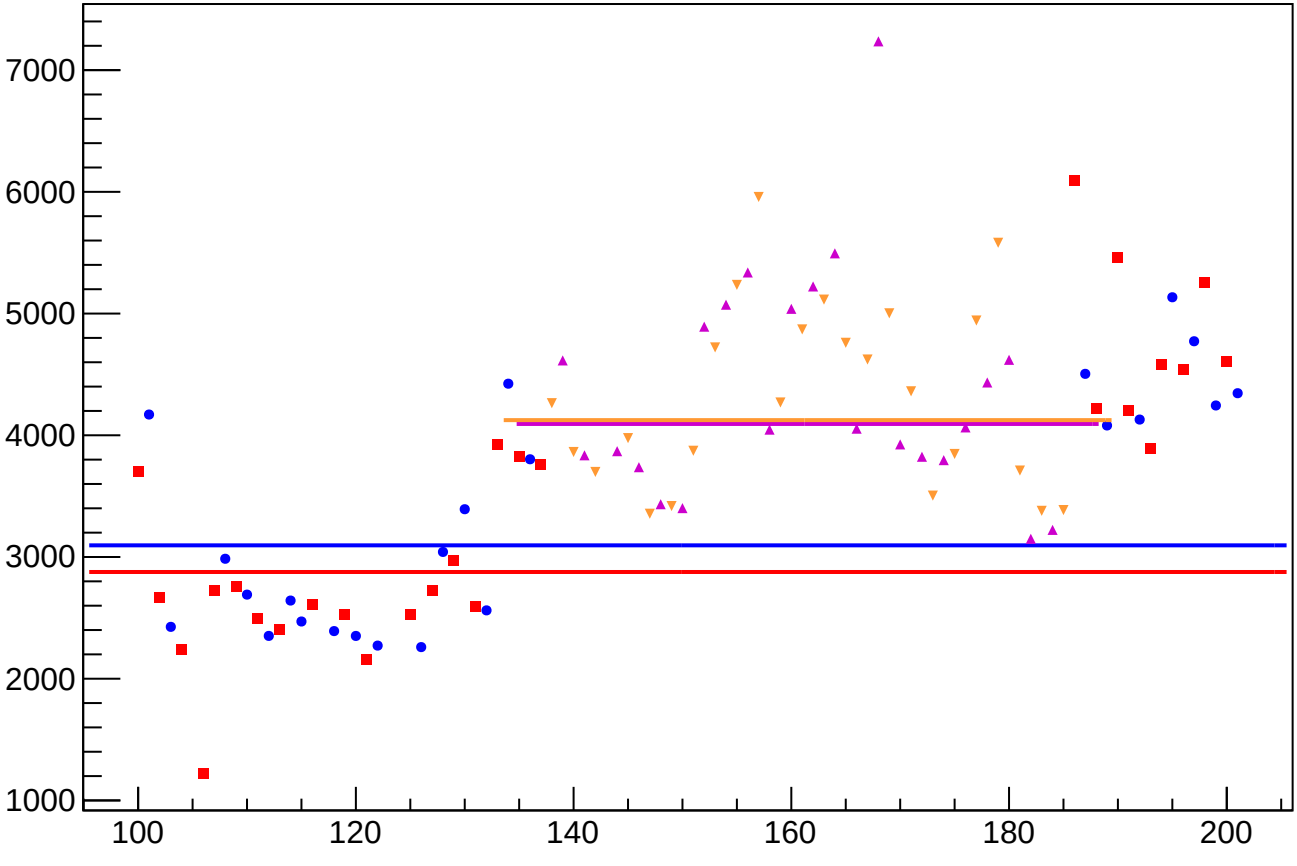
Right: -636.607+/-632.201 χ^2/NDF: 59.4/49

In: -256.757+/-668.601 χ^2/NDF:39.1/45

Out: -607.886+/-649.653 χ^2/NDF:62.2/50

All: -437.368+/-465.929 χ^2/NDF: 101.4/96

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: 2876.852+/-0.594 χ^2/NDF: 3101691.5/26

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

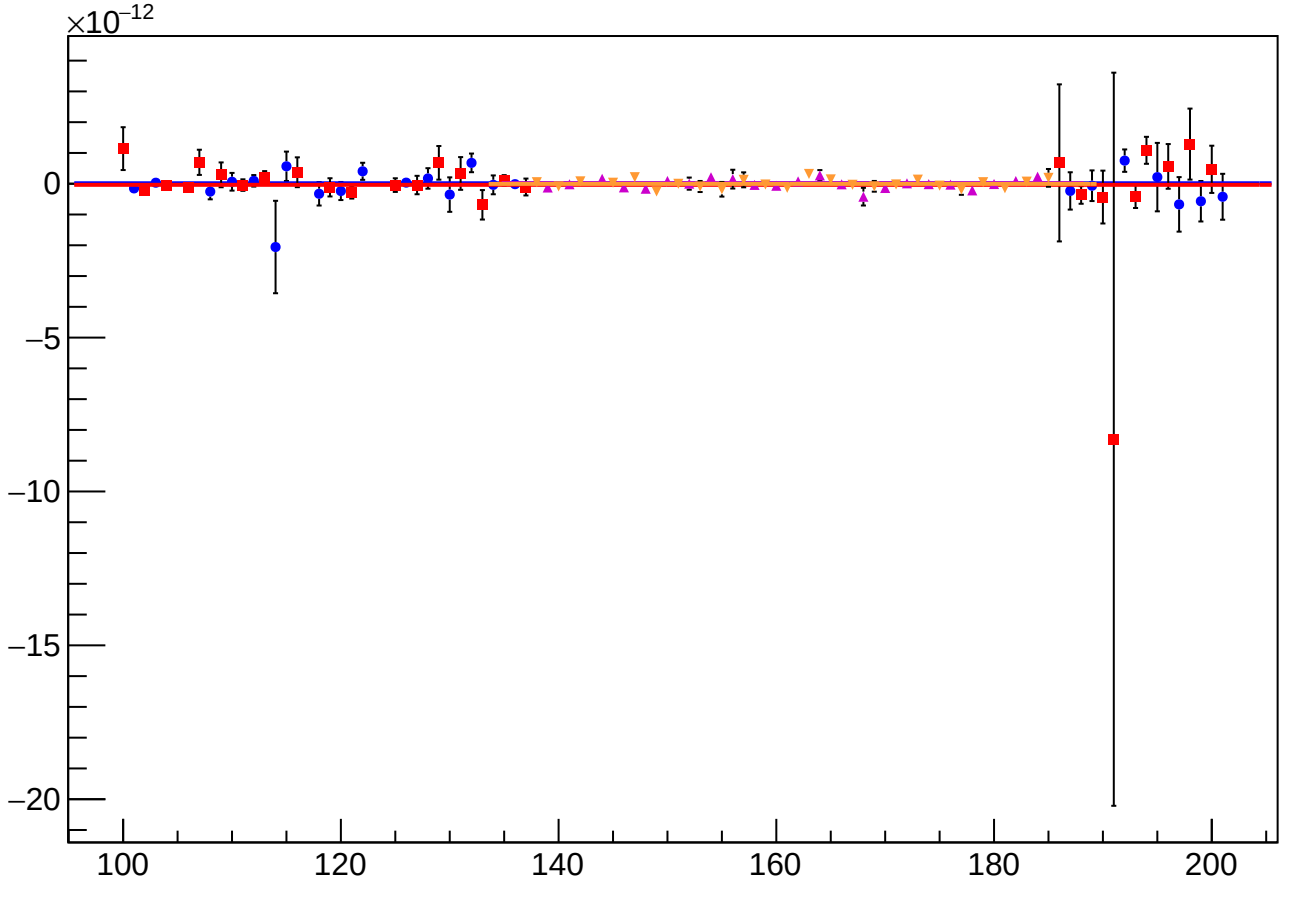
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2976.387+/-0.438 χ^2/NDF: 5001518.7/49

In: 3565.540+/-0.473 χ^2/NDF:4109567.9/45

Out: 3407.584+/-0.450 χ^2/NDF:5951083.5/50

All: 3482.655+/-0.326 χ^2/NDF: 10119225.7/9



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: 29.0/26

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

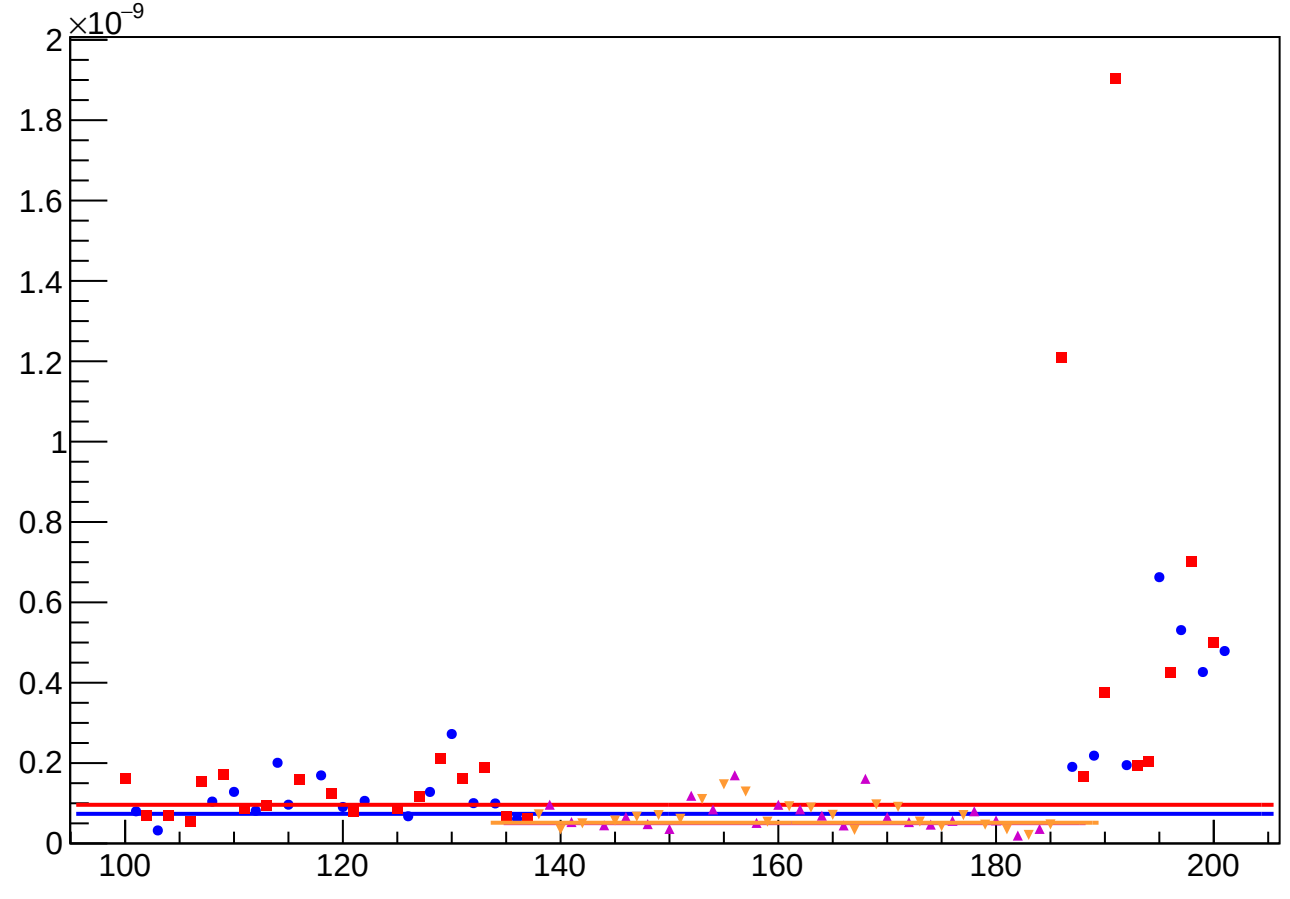
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 51.0/49

In: 0.000+/-0.000 χ^2/NDF:47.1/45

Out: -0.000+/-0.000 χ^2/NDF:53.5/50

All: 0.000+/-0.000 χ^2/NDF: 101.5/96



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: 3331685.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

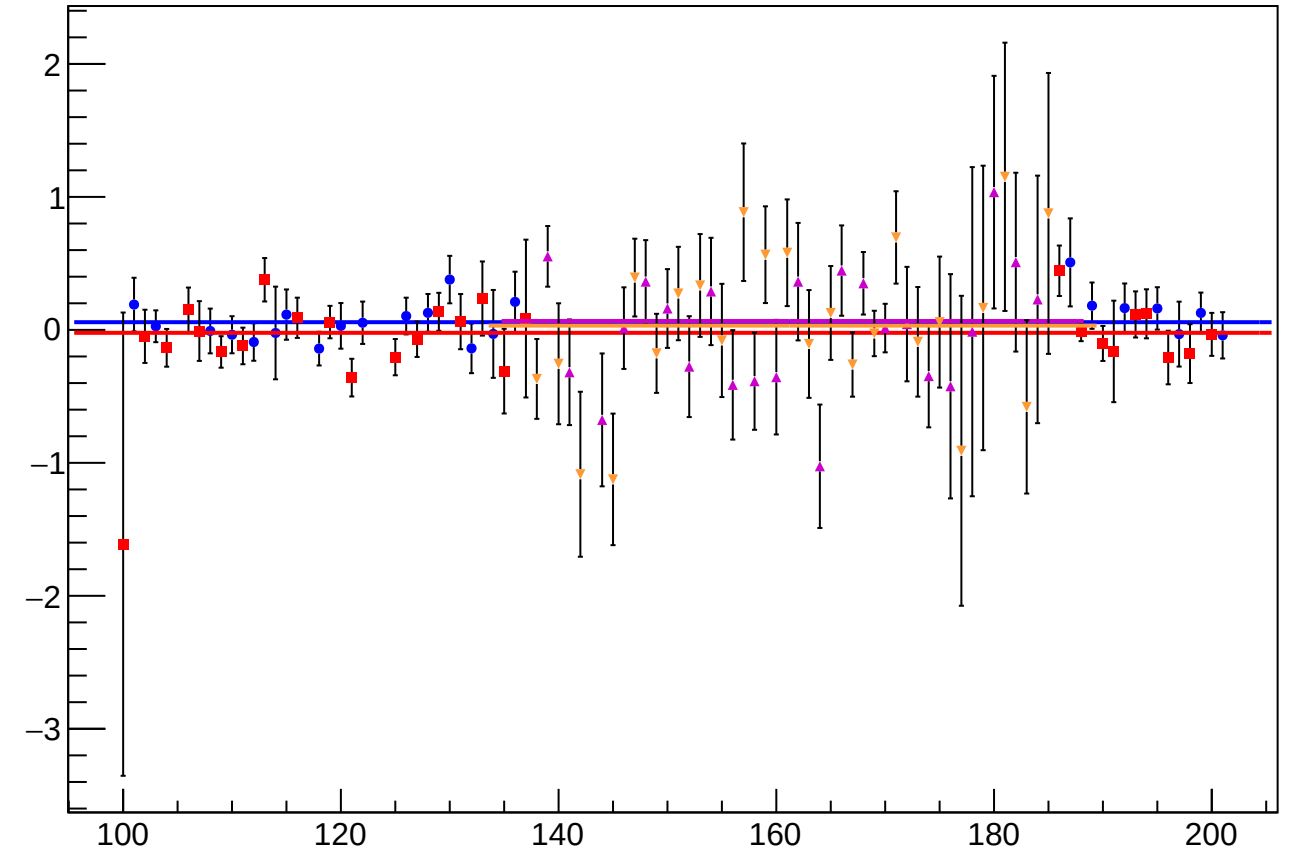
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 7581258.0/49

In: 0.000+/-0.000 χ^2/NDF:6914551.4/45

Out: 0.000+/-0.000 χ^2/NDF:6878757.6/50

All: 0.000+/-0.000 χ^2/NDF: 13821780.0/96



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: -0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

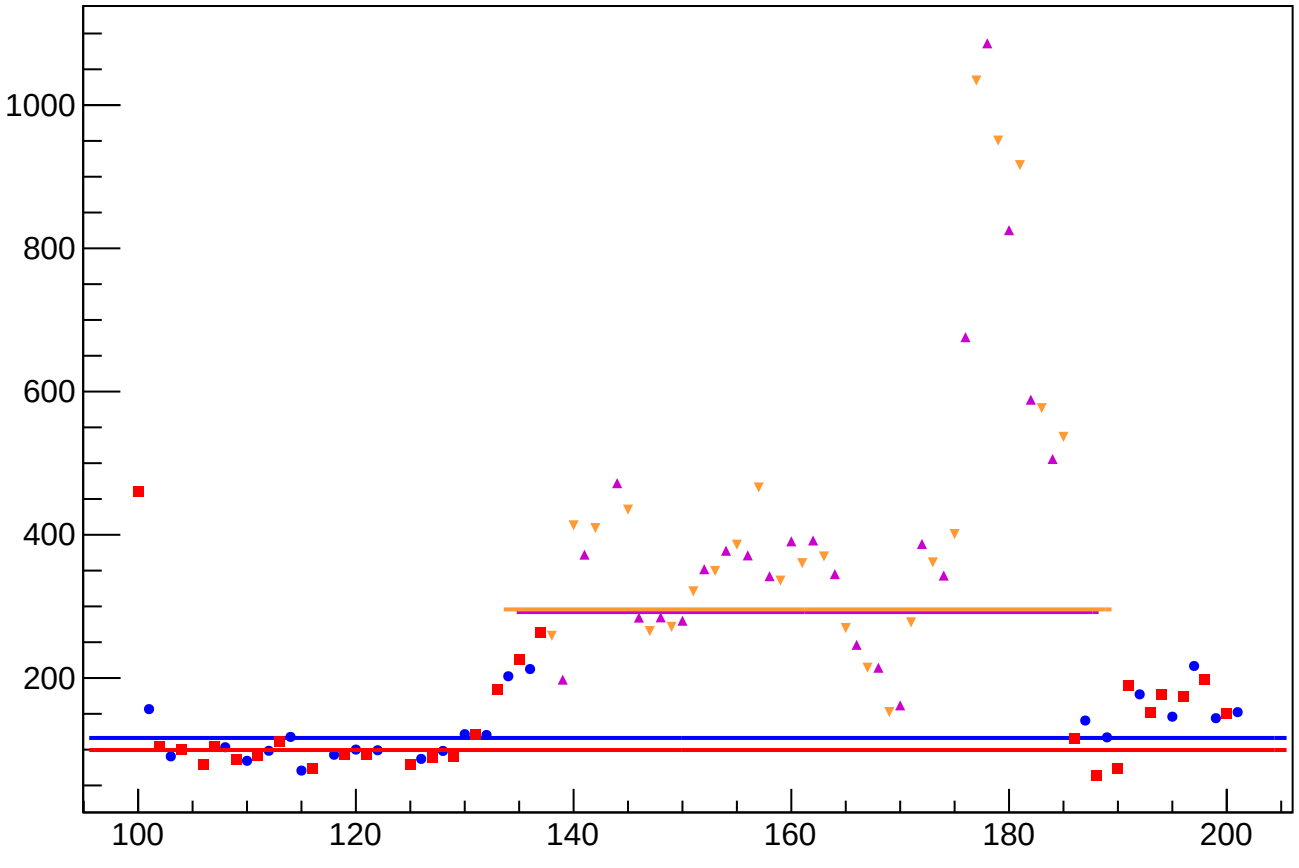
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.023 χ^2/NDF: 48.1/49

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.015+/-0.028 χ^2/NDF:61.5/50

All: 0.017+/-0.021 χ^2/NDF: 104.1/96



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: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

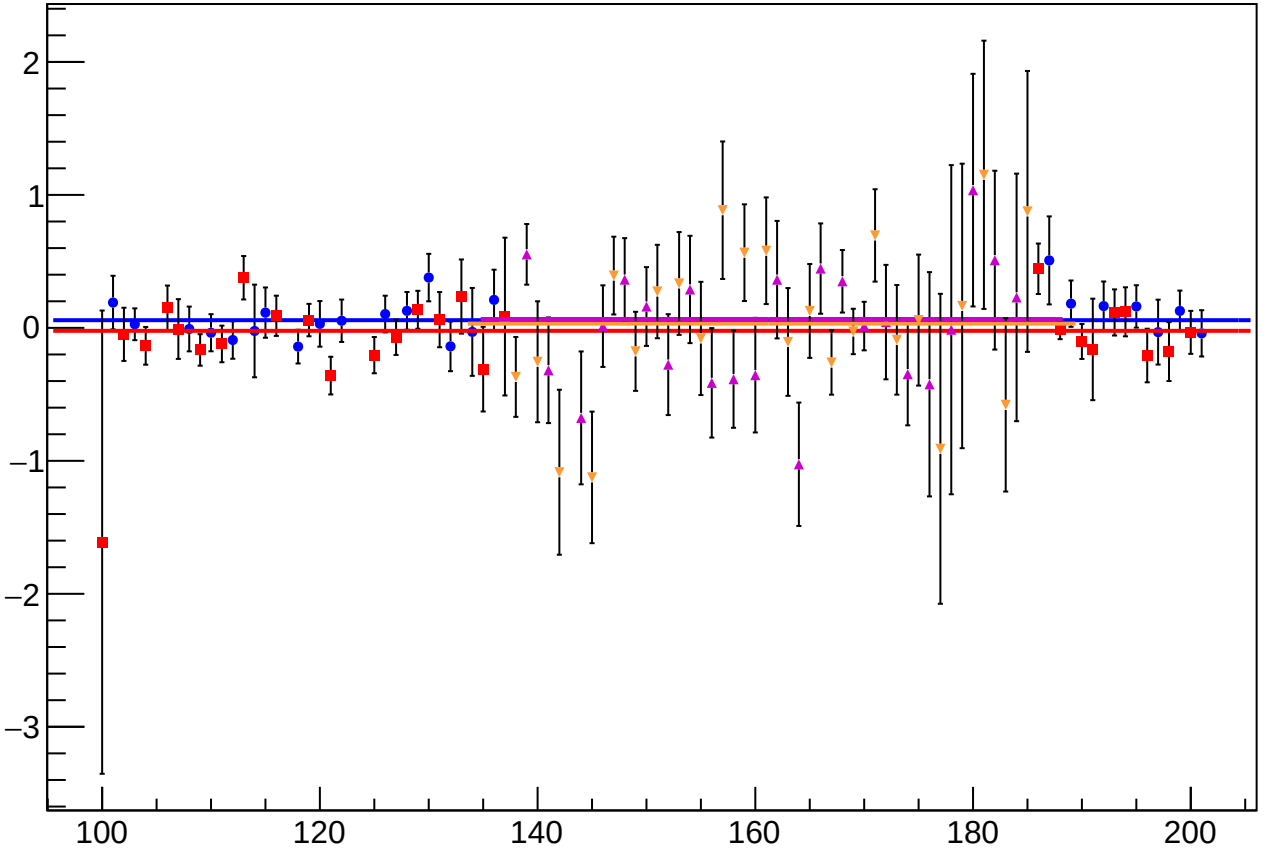
Right: 106.520+/-0.016 χ^2/NDF: 5318341.9/49

In: 148.560+/-0.023 χ^2/NDF:16048690.3/45

Out: 126.036+/-0.020 χ^2/NDF:20141802.9/50

All: 135.788+/-0.015 χ^2/NDF: 36752232.4/96

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: -0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

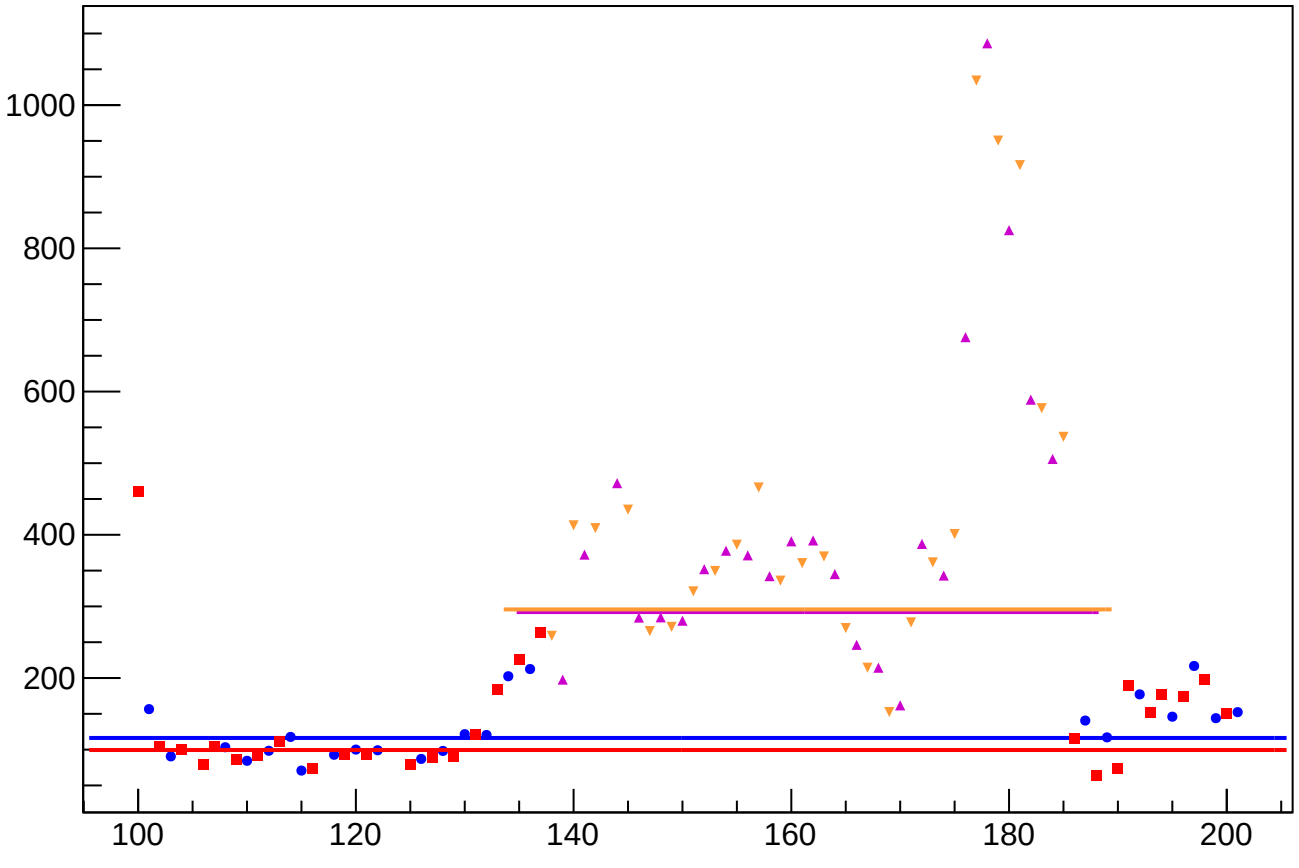
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.023 χ^2/NDF: 48.1/49

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.015+/-0.028 χ^2/NDF:61.5/50

All: 0.017+/-0.021 χ^2/NDF: 104.1/96



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: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

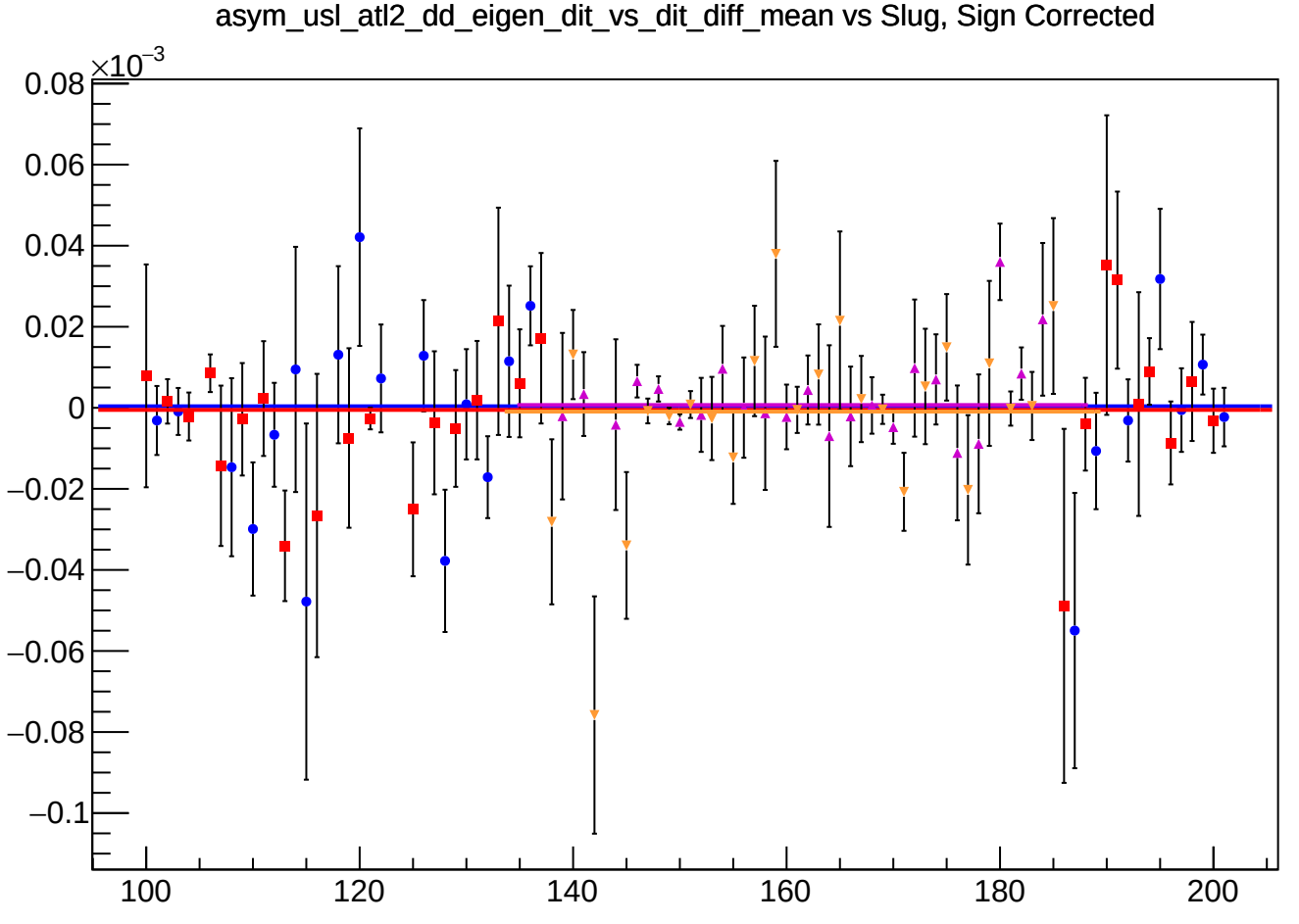
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 106.520+/-0.016 χ^2/NDF: 5318341.9/49

In: 148.560+/-0.023 χ^2/NDF:16048690.3/45

Out: 126.036+/-0.020 χ^2/NDF:20141802.9/50

All: 135.788+/-0.015 χ^2/NDF: 36752232.4/96



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: 22.6/26

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

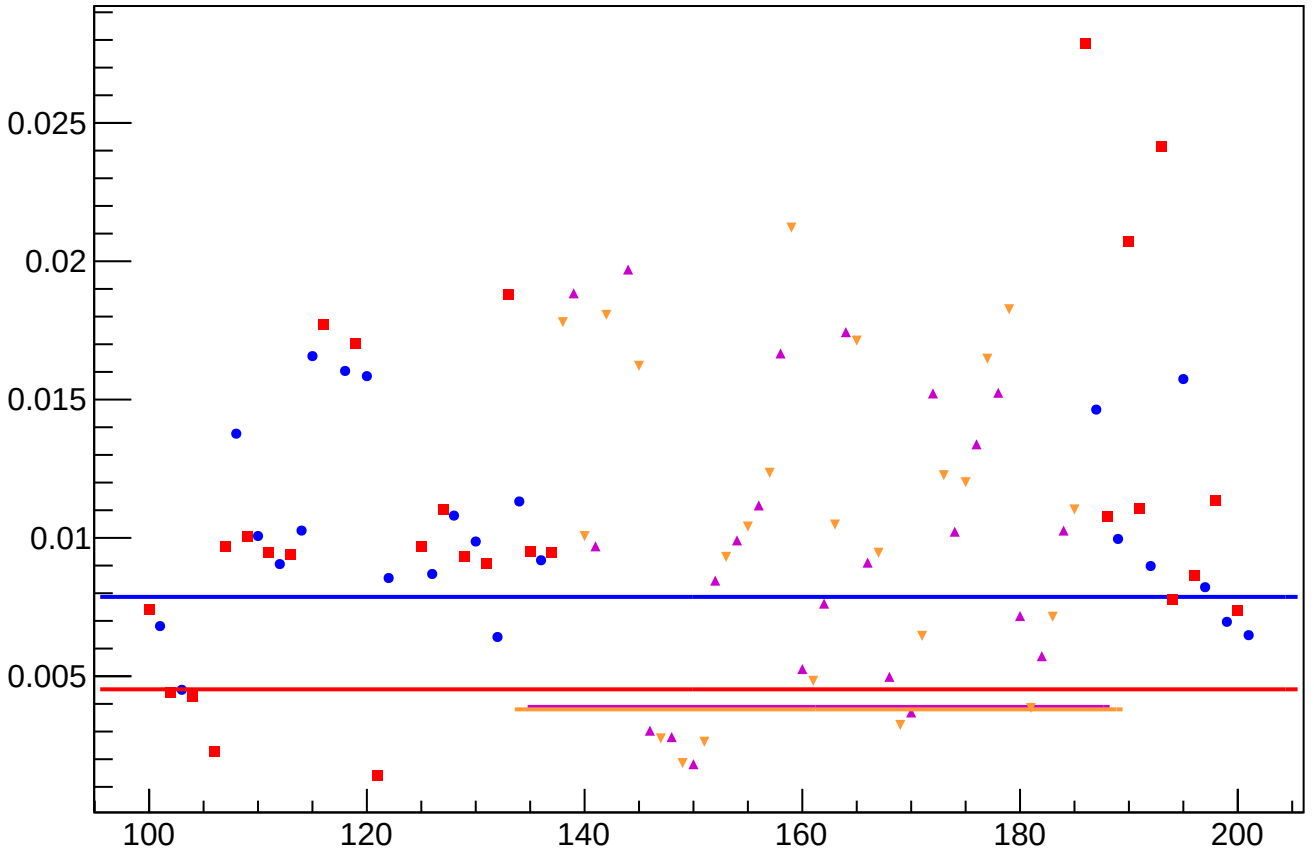
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.5/49

In: 0.000+/-0.000 χ^2/NDF:62.6/45

Out: -0.000+/-0.000 χ^2/NDF:51.7/50

All: -0.000+/-0.000 χ^2/NDF: 115.3/96



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: 10941955.4/26

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

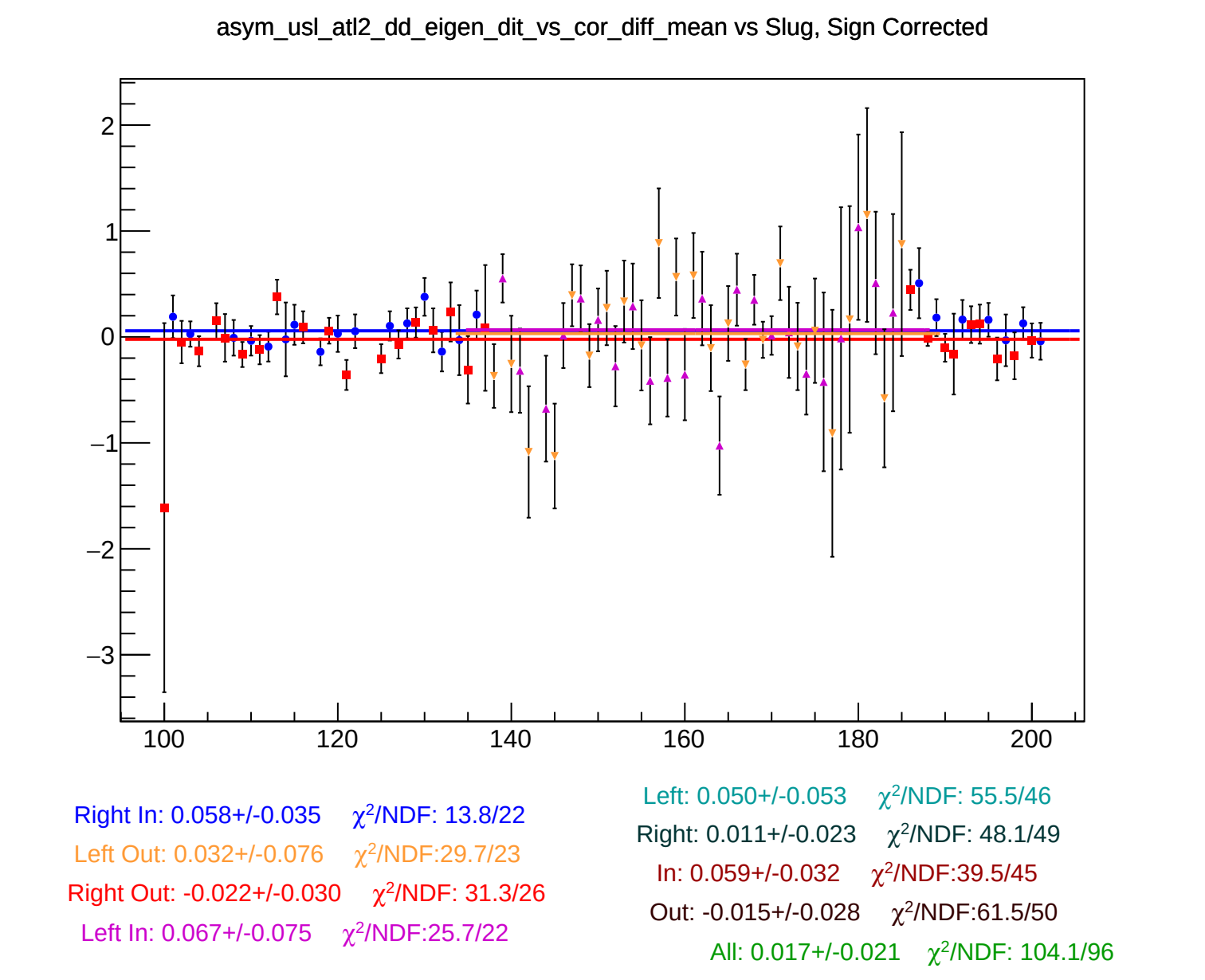
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

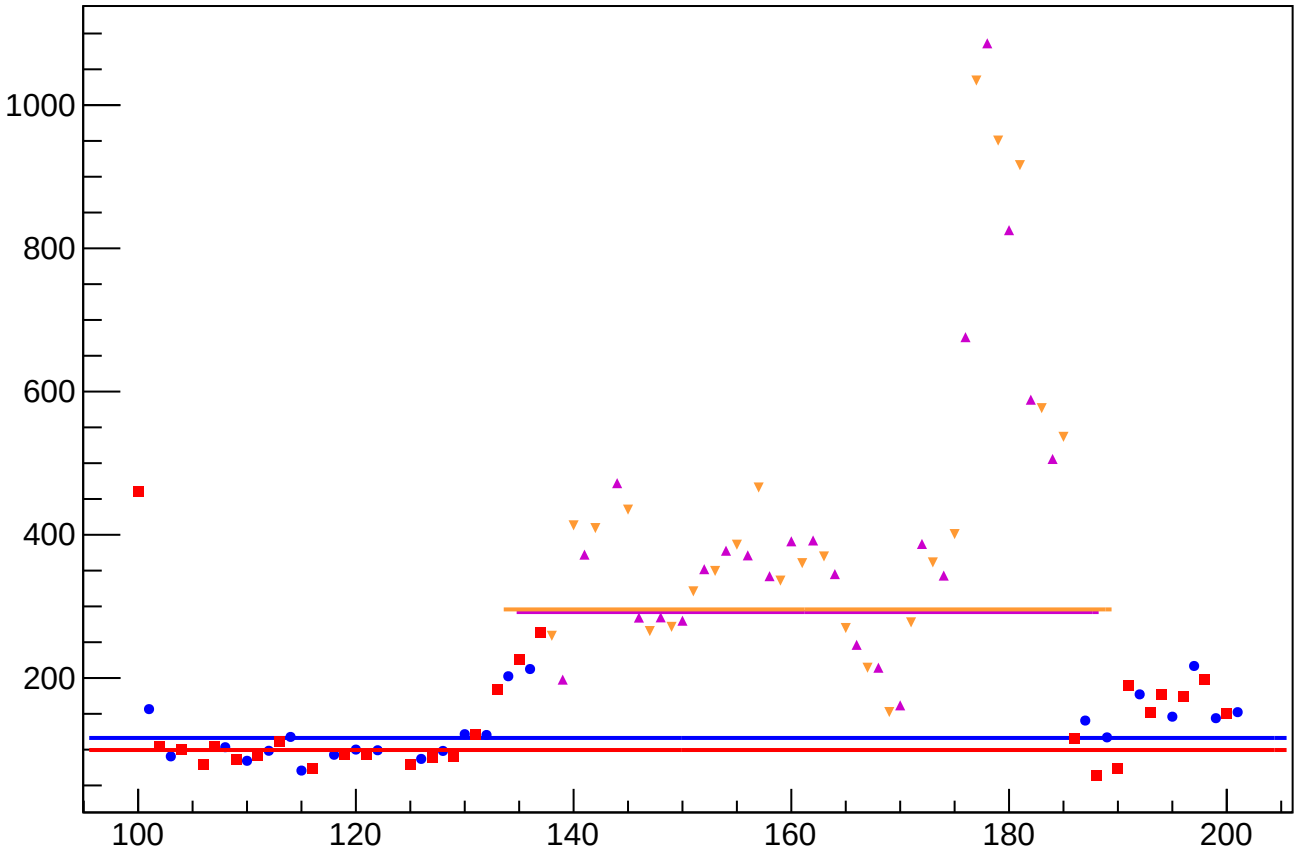
Right: 0.006+/-0.000 χ^2/NDF: 15860519.7/49

In: 0.005+/-0.000 χ^2/NDF:20142286.4/45

Out: 0.004+/-0.000 χ^2/NDF:25813289.1/50

All: 0.004+/-0.000 χ^2/NDF: 46361324.2/96


asym_usl_atl2_dd_eigen_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: -0.022+/-0.030 χ²/NDF: 31.3/26
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.011+/-0.023 χ²/NDF: 48.1/49
In: 0.059+/-0.032 χ²/NDF:39.5/45
Out: -0.015+/-0.028 χ²/NDF:61.5/50
All: 0.017+/-0.021 χ²/NDF: 104.1/96



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: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

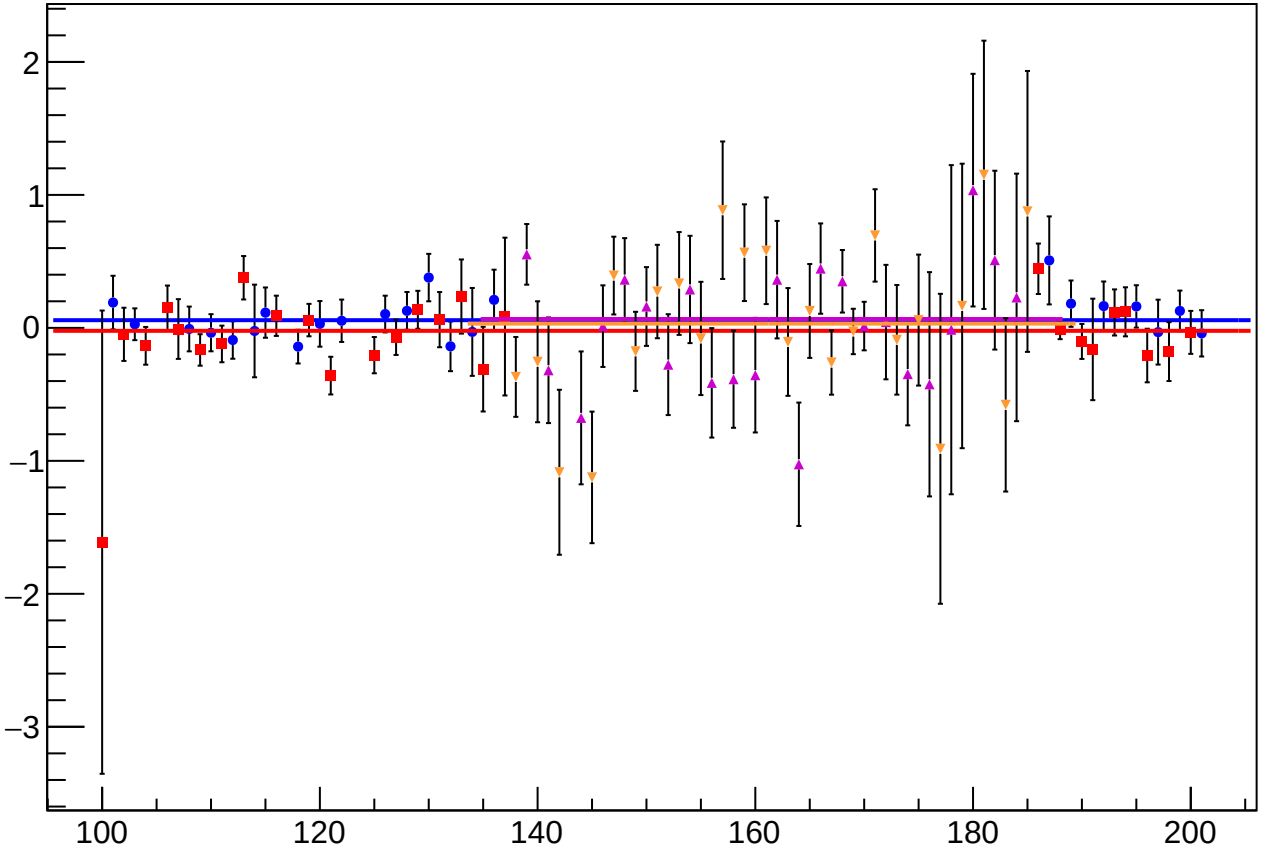
Right: 106.519+/-0.016 χ^2/NDF: 5318461.0/49

In: 148.560+/-0.023 χ^2/NDF:16048721.5/45

Out: 126.034+/-0.020 χ^2/NDF:20142270.0/50

All: 135.787+/-0.015 χ^2/NDF: 36752850.6/96

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: -0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

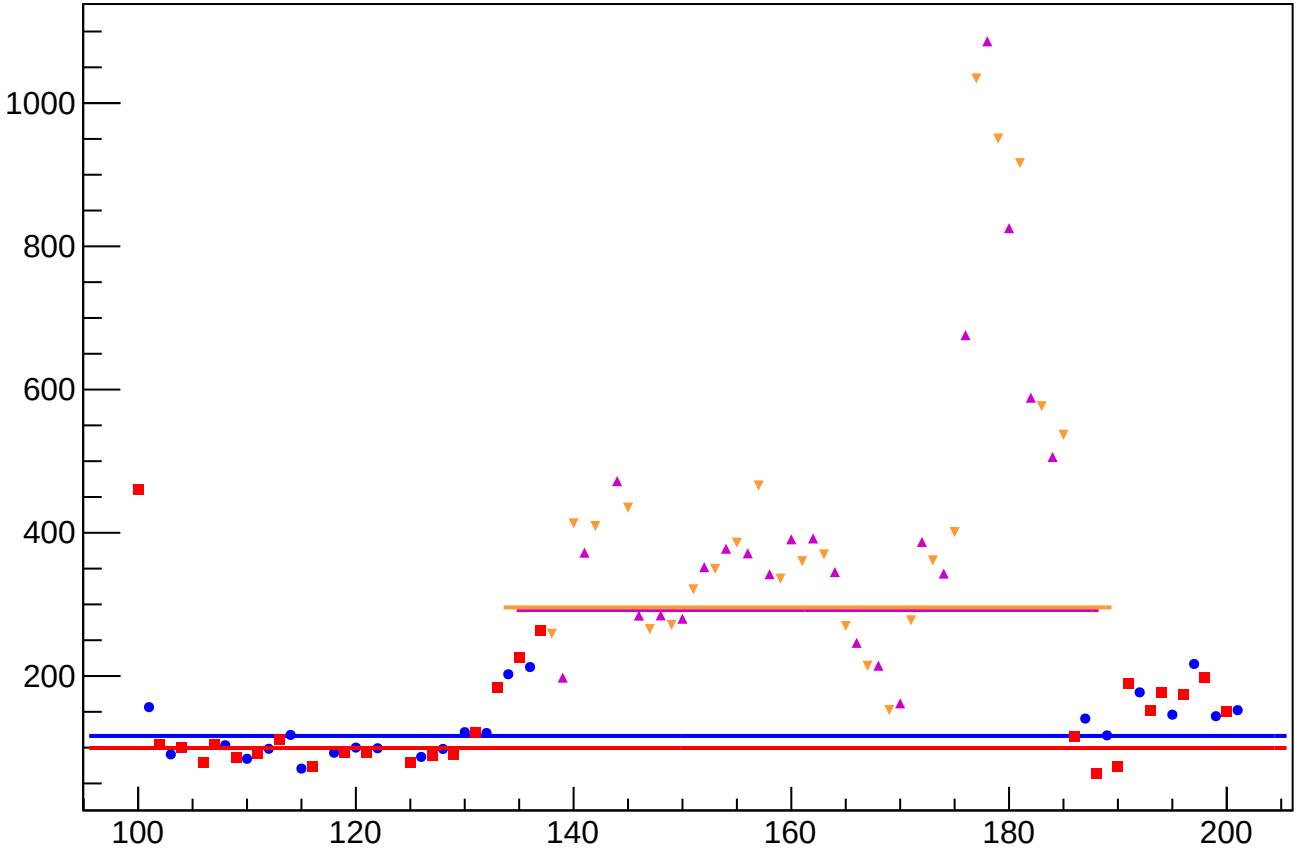
Right: 0.011+/-0.023 χ^2/NDF: 48.1/49

In: 0.059+/-0.032 χ^2/NDF:39.5/45

Out: -0.015+/-0.028 χ^2/NDF:61.5/50

All: 0.017+/-0.021 χ^2/NDF: 104.1/96

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

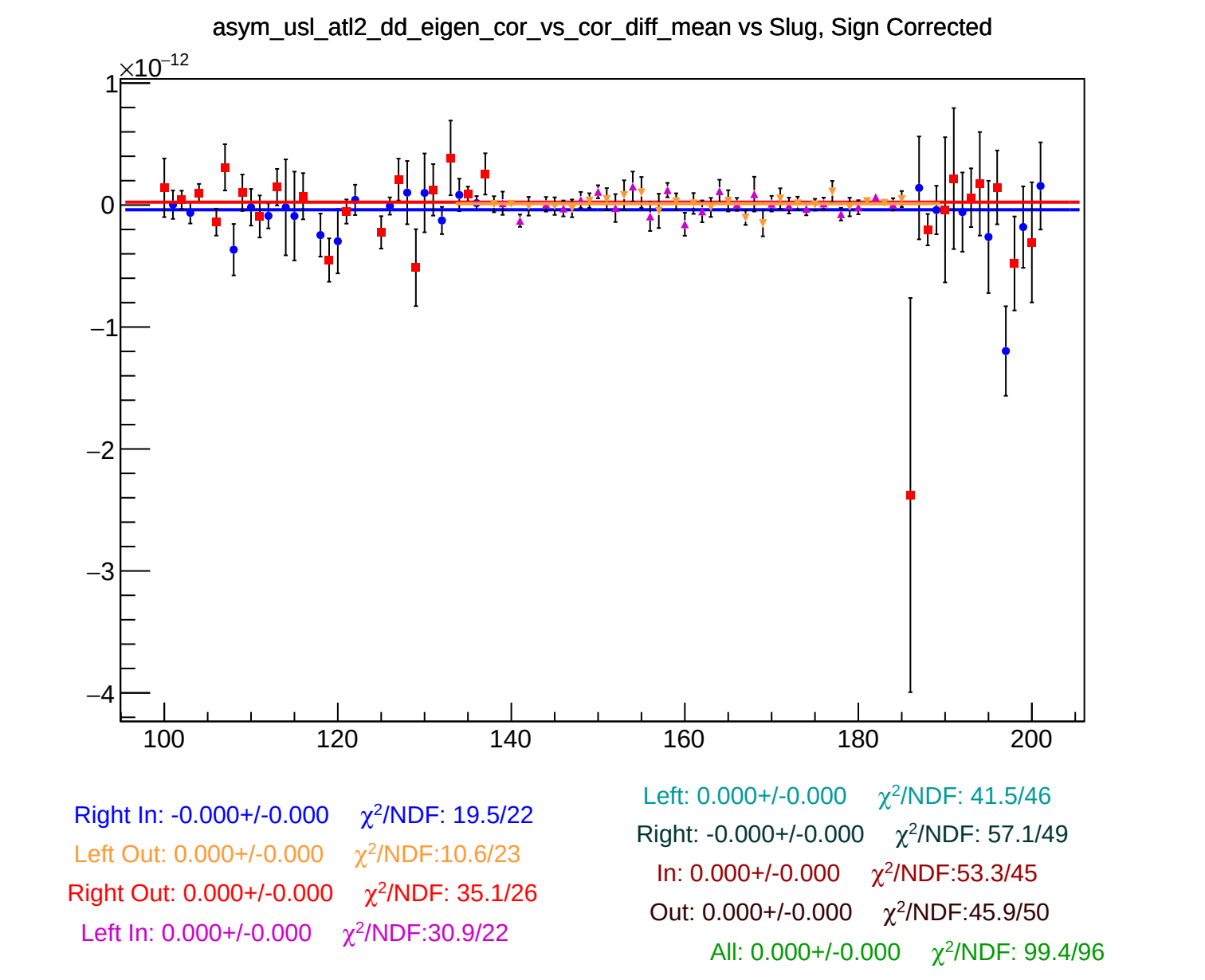
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

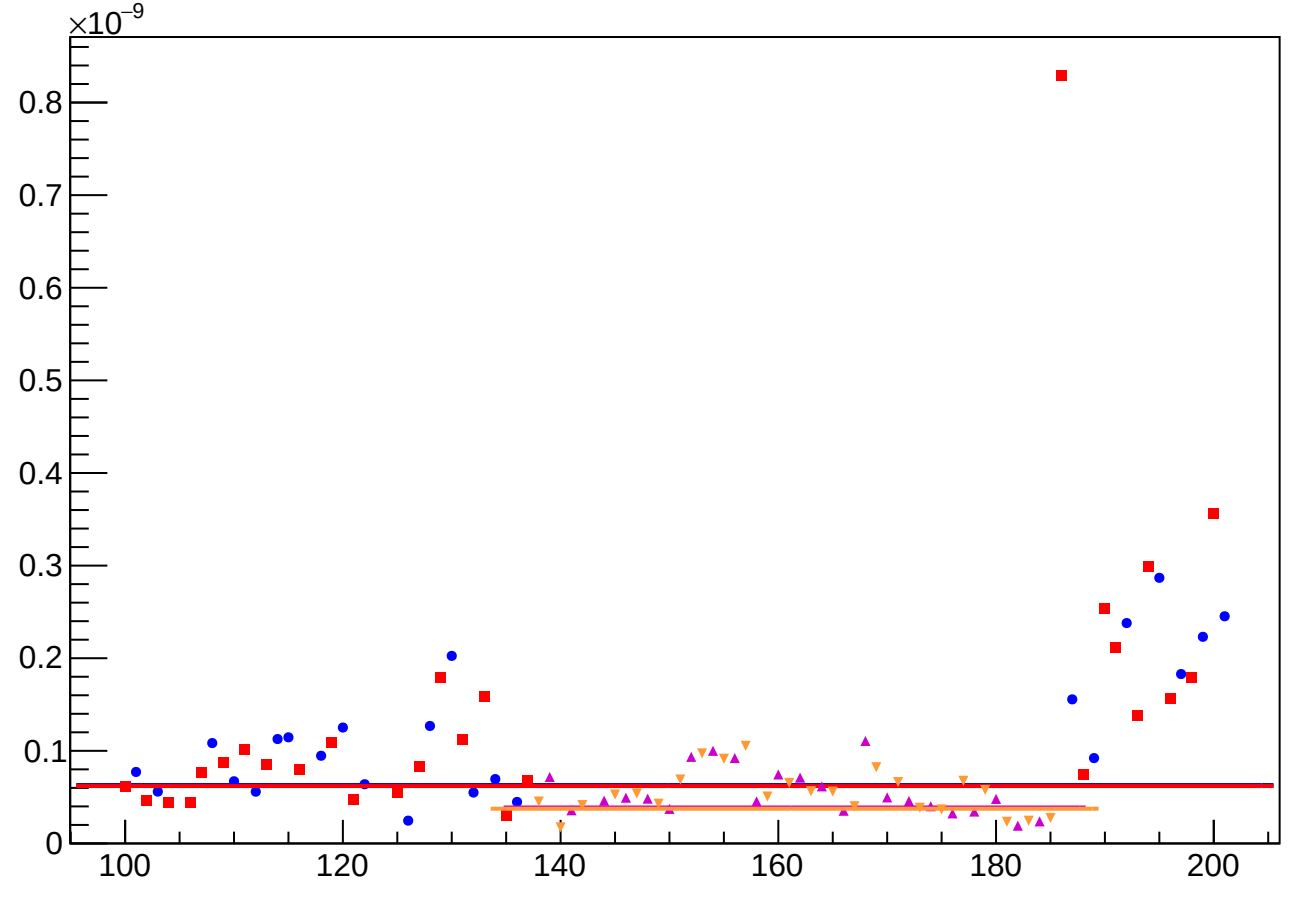
Right: 106.519+/-0.016 χ^2/NDF: 5318461.0/49

In: 148.560+/-0.023 χ^2/NDF:16048721.5/45

Out: 126.034+/-0.020 χ^2/NDF:20142270.0/50

All: 135.787+/-0.015 χ^2/NDF: 36752850.6/96


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.5/22
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.1/26
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.5/46
Right: -0.000+/-0.000 χ²/NDF: 57.1/49
In: 0.000+/-0.000 χ²/NDF:53.3/45
Out: 0.000+/-0.000 χ²/NDF:45.9/50
All: 0.000+/-0.000 χ²/NDF: 99.4/96



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: 4594500.3/26

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

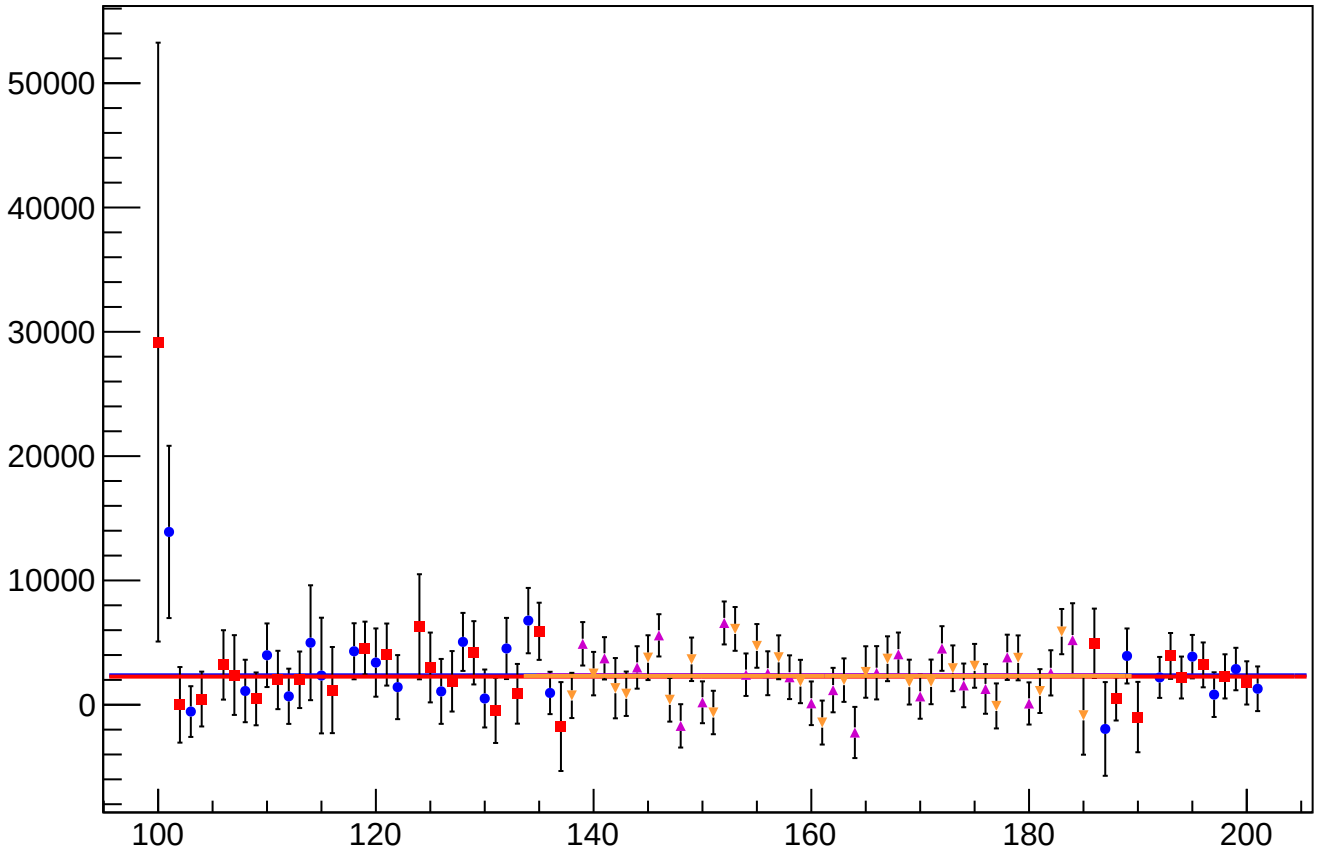
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8665601.3/49

In: 0.000+/-0.000 χ^2/NDF:9857542.9/45

Out: 0.000+/-0.000 χ^2/NDF:10909257.8/50

All: 0.000+/-0.000 χ^2/NDF: 20777003.5/96



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: 2263.274+/-452.653 χ^2/NDF: 16.3/26

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

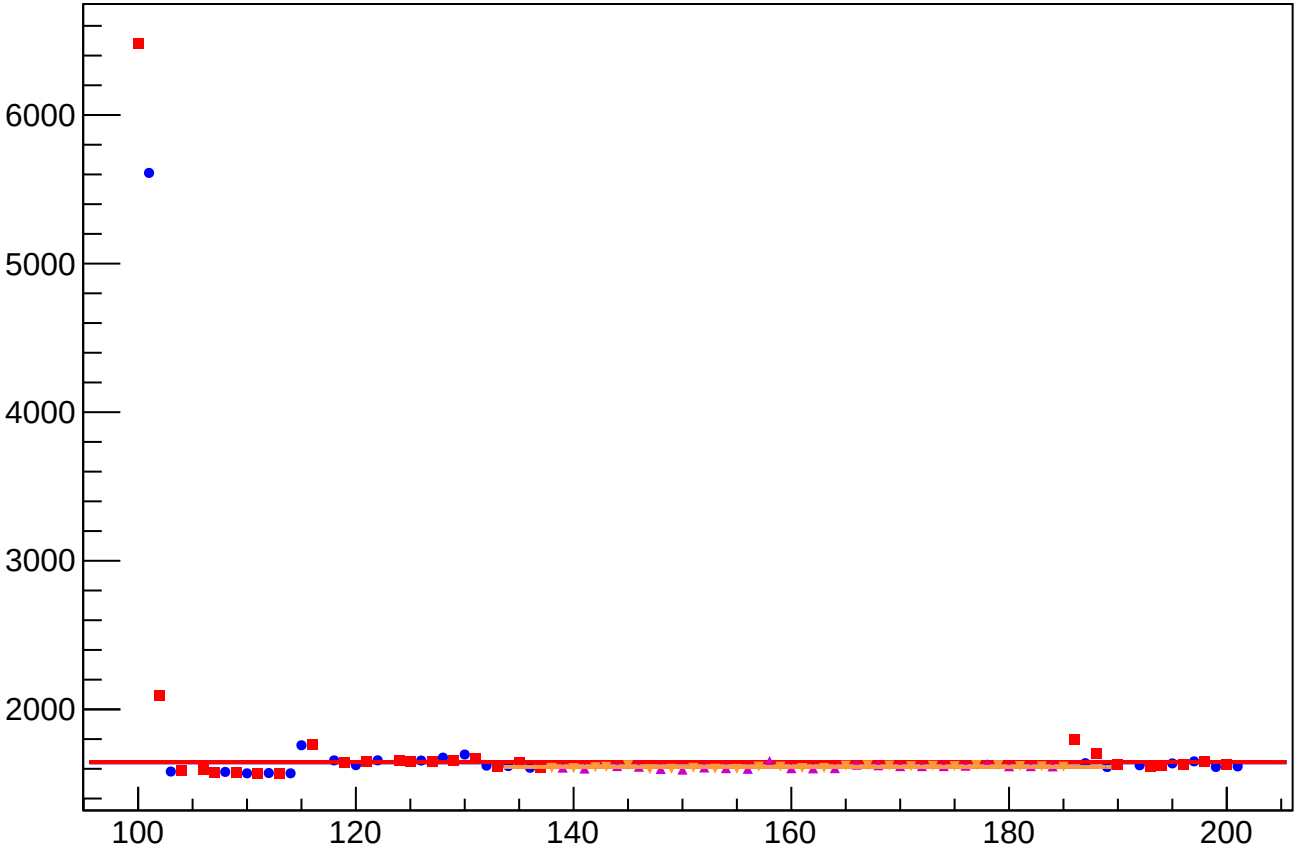
Right: 2314.025+/-327.359 χ^2/NDF: 34.0/49

In: 2370.260+/-294.956 χ^2/NDF:51.3/45

Out: 2298.197+/-284.746 χ^2/NDF:43.8/51

All: 2332.960+/-204.861 χ^2/NDF: 95.2/97

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1645.727+/-0.320 χ^2/NDF: 146104.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

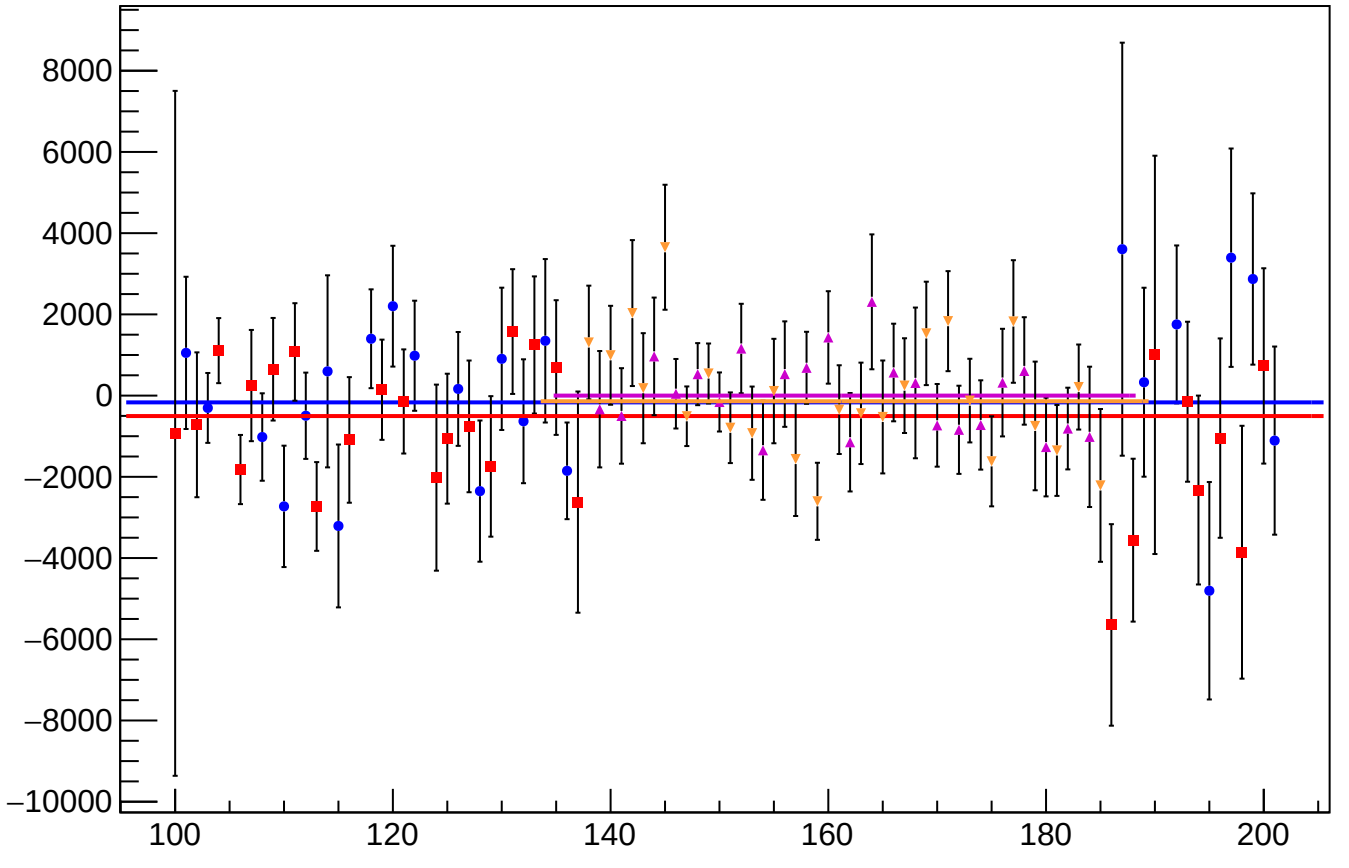
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1644.635+/-0.231 χ^2/NDF: 815111.2/49

In: 1625.272+/-0.209 χ^2/NDF:676130.6/45

Out: 1625.713+/-0.201 χ^2/NDF:153746.9/51

All: 1625.500+/-0.145 χ^2/NDF: 829879.8/97



Right In: -166.874+/-321.825 χ^2/NDF: 24.7/22

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -503.684+/-294.295 χ^2/NDF: 27.9/26

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

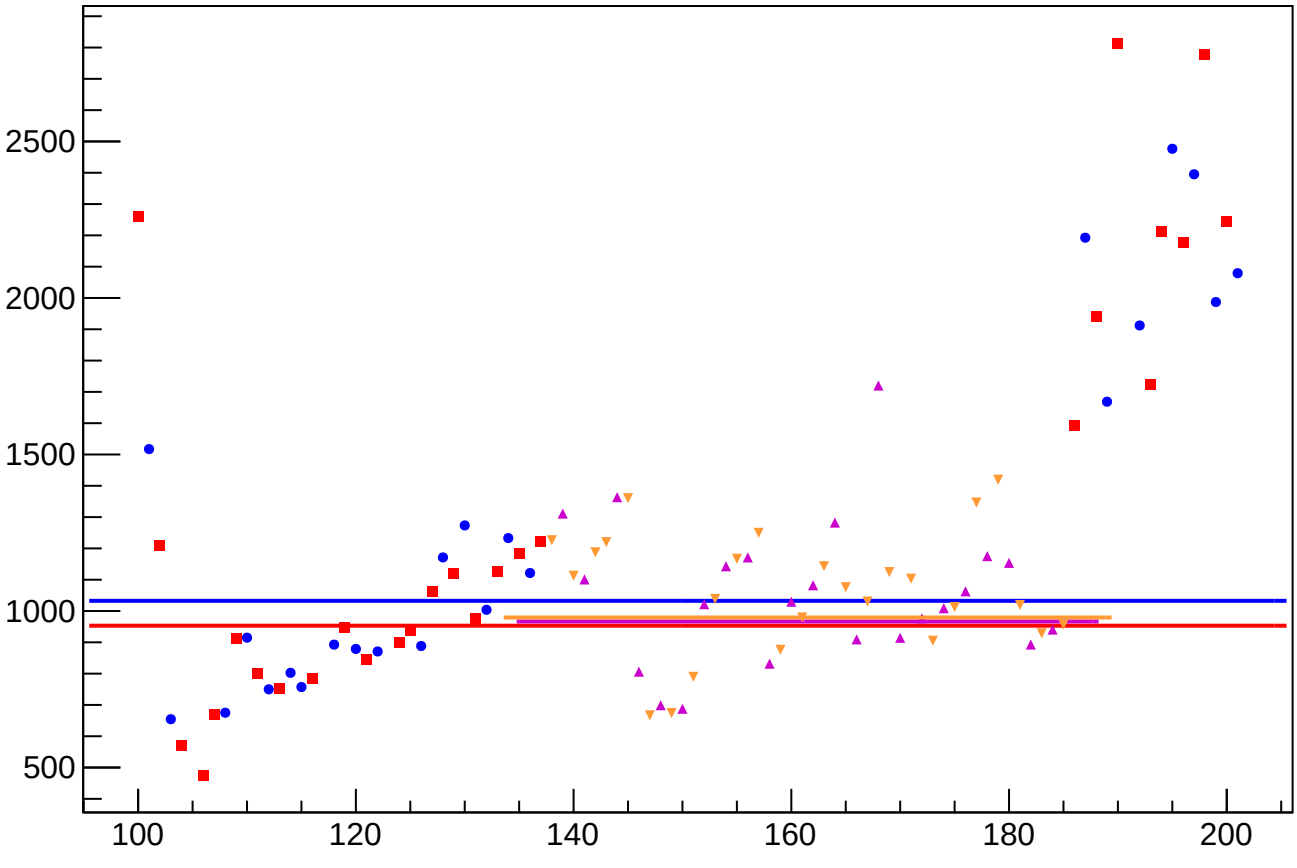
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -350.298+/-217.180 χ^2/NDF: 53.2/49

In: -57.095+/-188.145 χ^2/NDF:37.7/45

Out: -276.643+/-180.793 χ^2/NDF:59.0/51

All: -171.242+/-130.361 χ^2/NDF: 97.5/97



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: 953.116+/-0.208 χ^2/NDF: 5069411.3/26

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

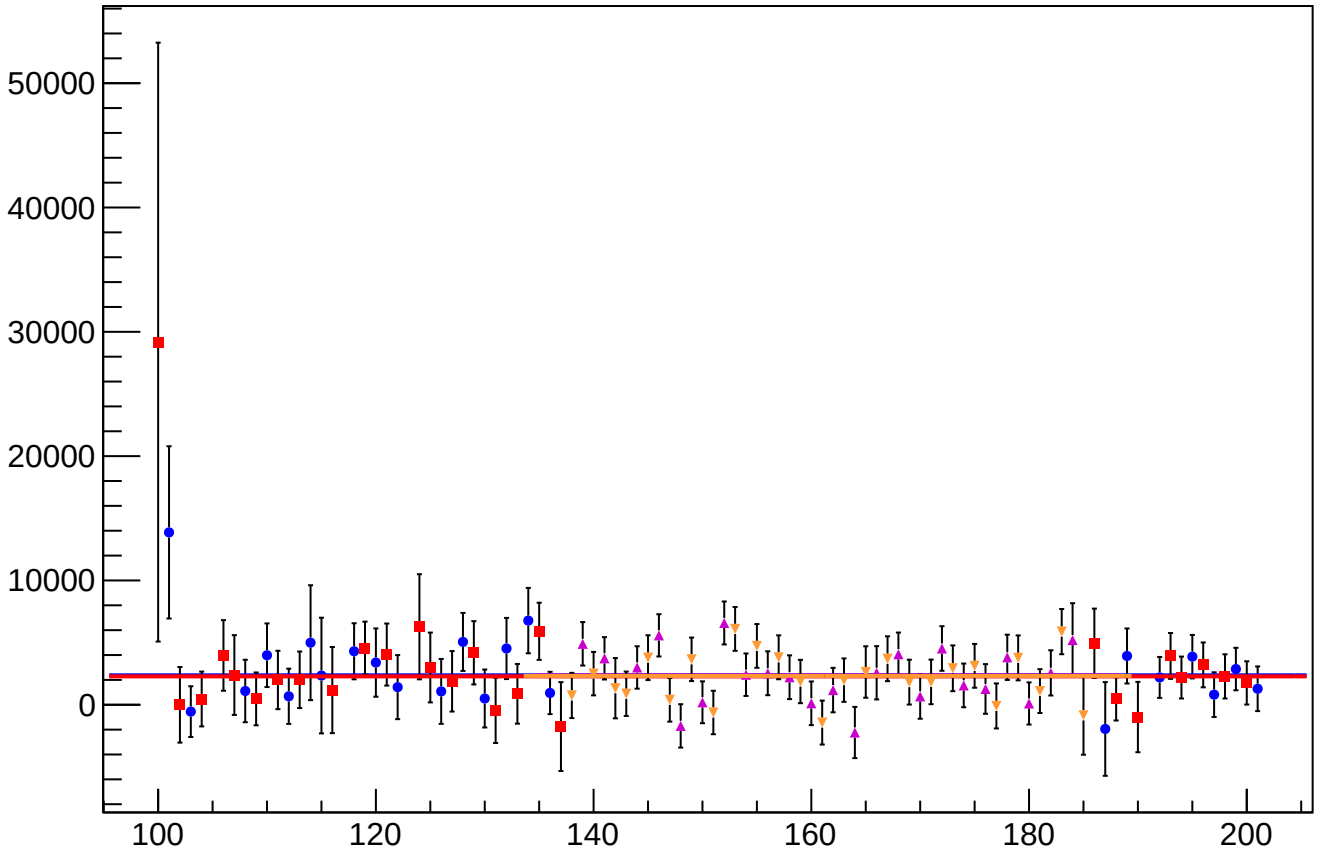
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 989.287+/-0.154 χ^2/NDF: 8842870.2/49

In: 989.089+/-0.133 χ^2/NDF:5365107.6/45

Out: 969.415+/-0.128 χ^2/NDF:6709887.0/51

All: 978.860+/-0.092 χ^2/NDF: 12086364.4/97



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: 2281.959+/-452.858 χ^2/NDF: 16.6/26

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

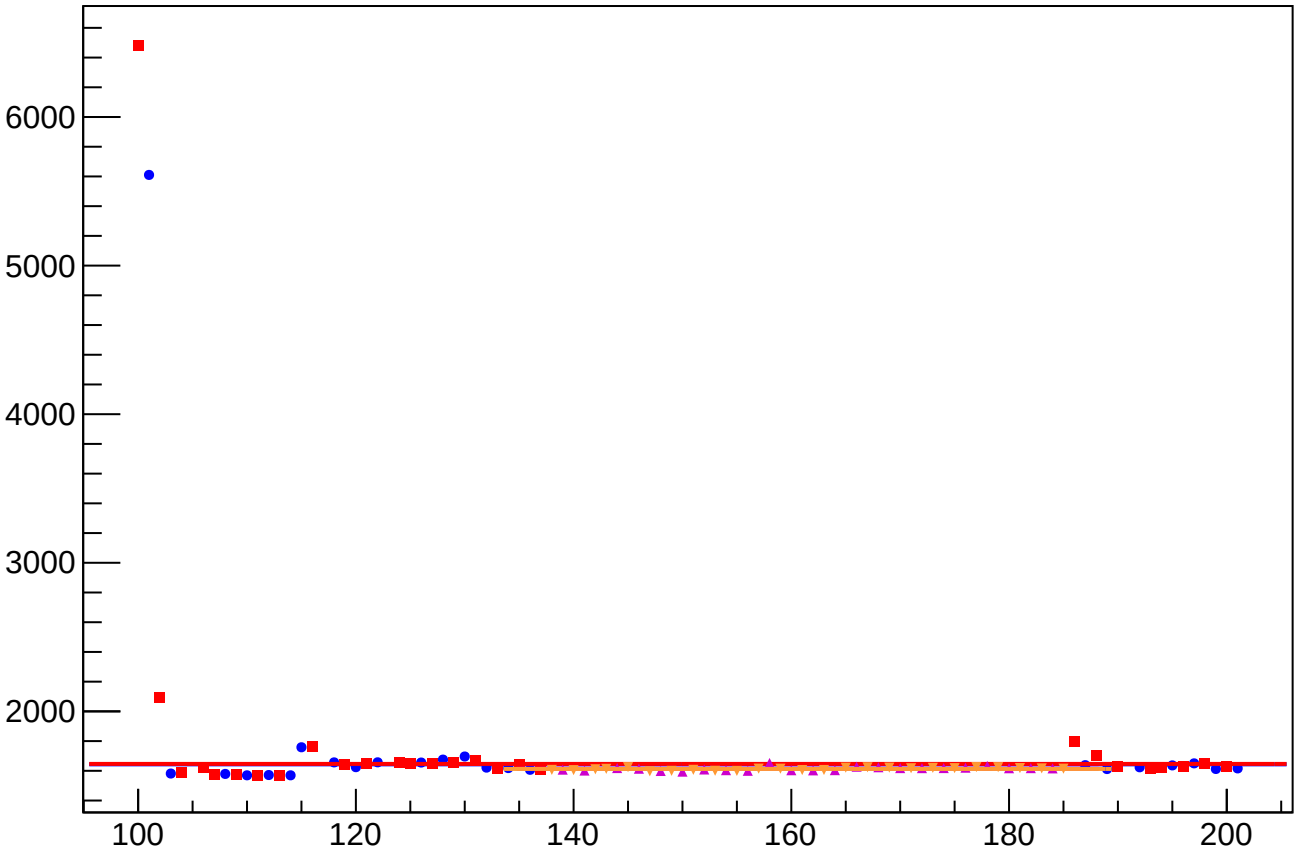
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2323.687+/-327.437 χ^2/NDF: 34.2/49

In: 2370.197+/-294.956 χ^2/NDF:51.3/45

Out: 2305.574+/-284.797 χ^2/NDF:44.1/51

All: 2336.753+/-204.880 χ^2/NDF: 95.4/97



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: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

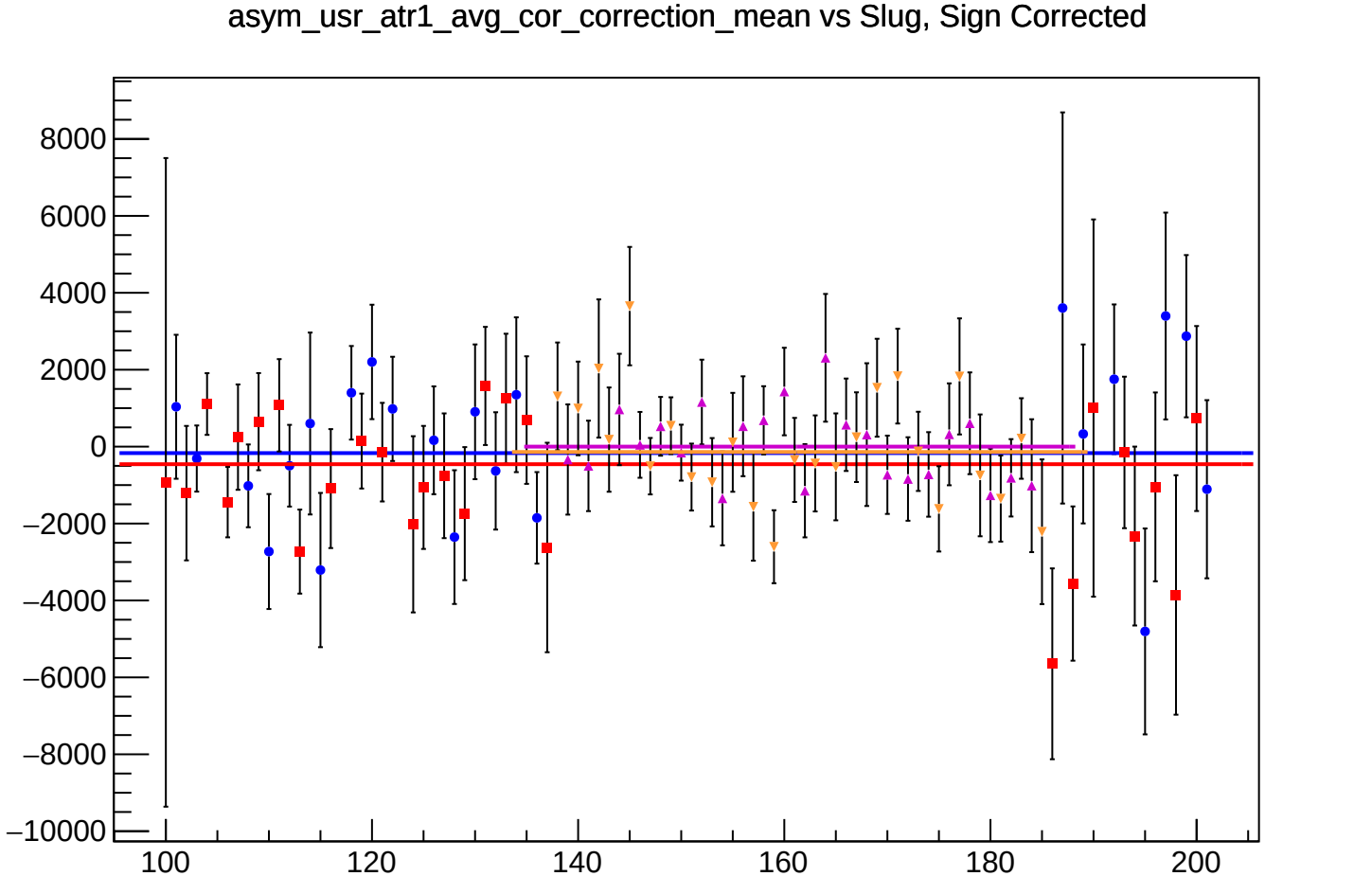
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

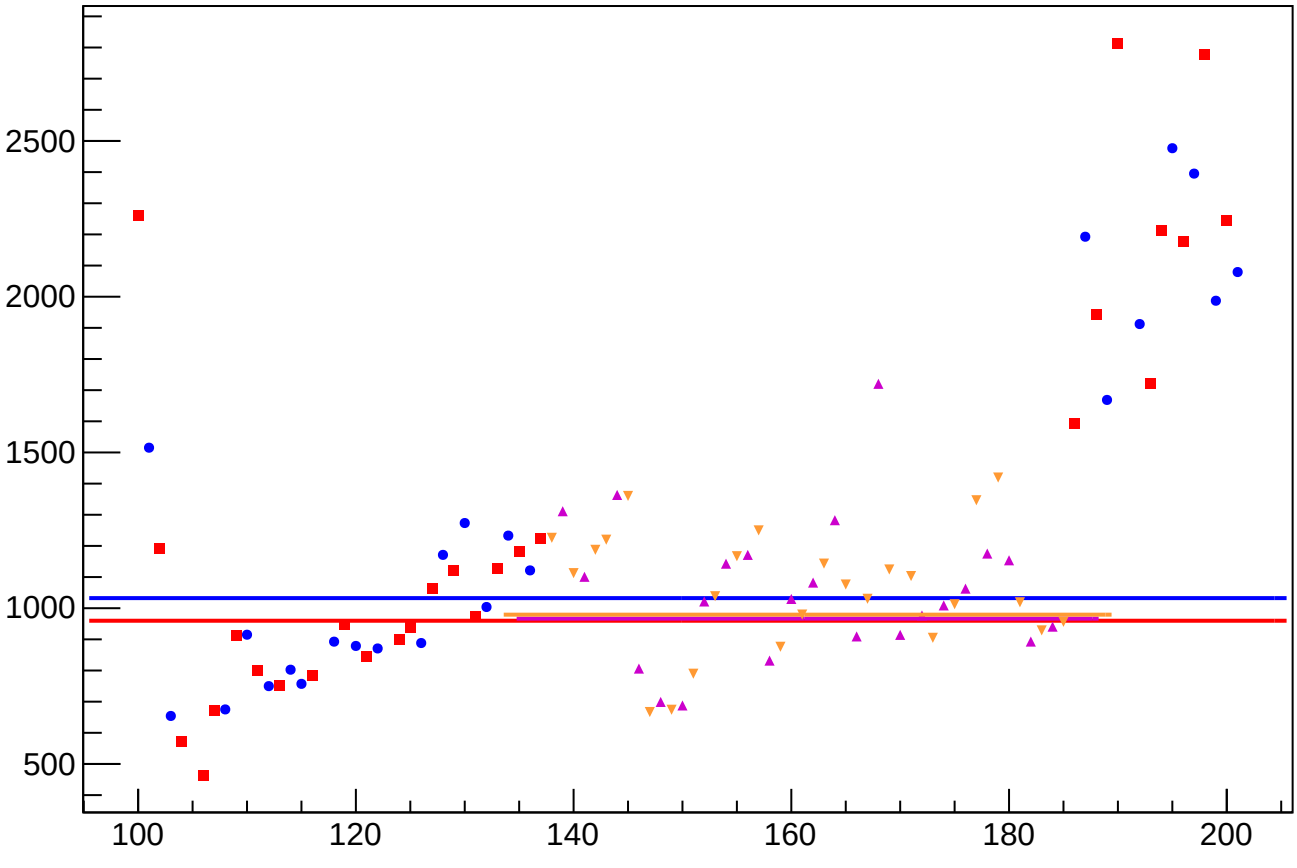
Right: 1645.011+/-0.232 χ^2/NDF: 814585.6/49

In: 1625.272+/-0.209 χ^2/NDF:676130.1/45

Out: 1625.991+/-0.201 χ^2/NDF:153484.9/51

All: 1625.644+/-0.145 χ^2/NDF: 829621.2/97


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -168.065+/-321.788 χ²/NDF: 24.7/22
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -456.977+/-296.597 χ²/NDF: 26.7/26
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -324.271+/-218.088 χ²/NDF: 51.8/49
In: -57.495+/-188.138 χ²/NDF:37.7/45
Out: -257.887+/-181.322 χ²/NDF:57.6/51
All: -161.386+/-130.557 χ²/NDF: 95.9/97



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: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

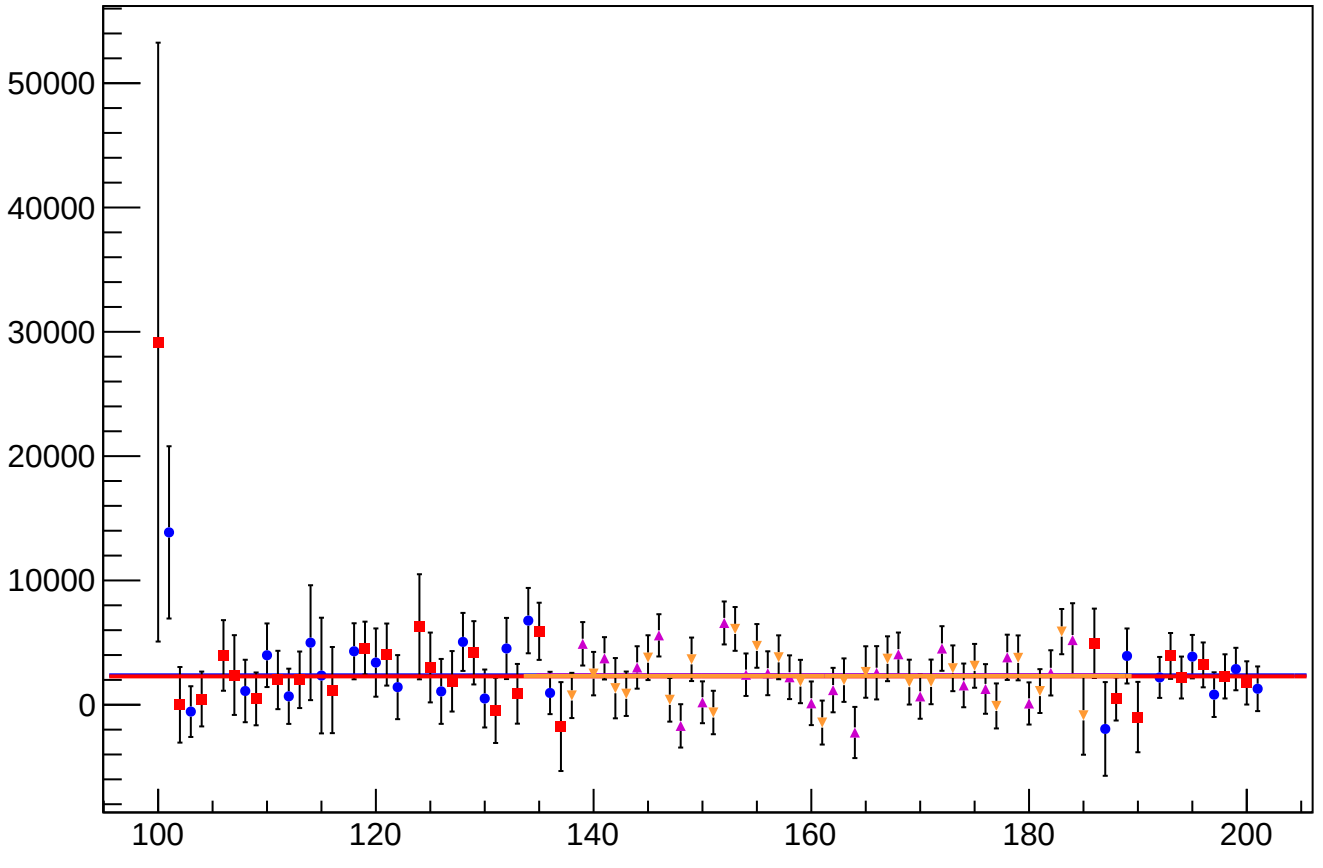
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 993.153+/-0.154 χ^2/NDF: 8764225.9/49

In: 989.054+/-0.133 χ^2/NDF:5365220.2/45

Out: 972.002+/-0.128 χ^2/NDF:6637815.2/51

All: 980.214+/-0.092 χ^2/NDF: 12011553.7/97



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: 2281.959+/-452.858 χ^2/NDF: 16.6/26

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

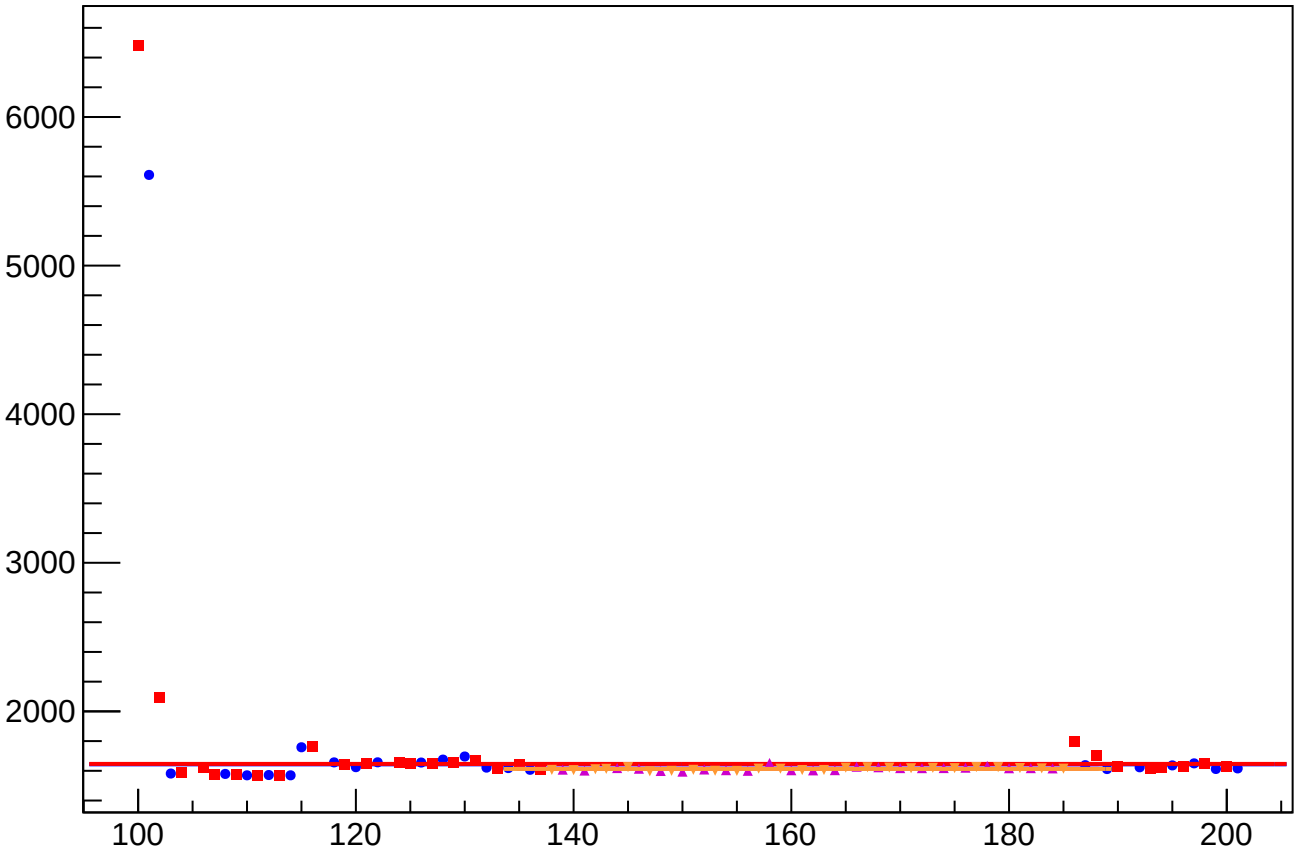
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2323.687+/-327.437 χ^2/NDF: 34.2/49

In: 2370.197+/-294.956 χ^2/NDF:51.3/45

Out: 2305.574+/-284.797 χ^2/NDF:44.1/51

All: 2336.753+/-204.880 χ^2/NDF: 95.4/97



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: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

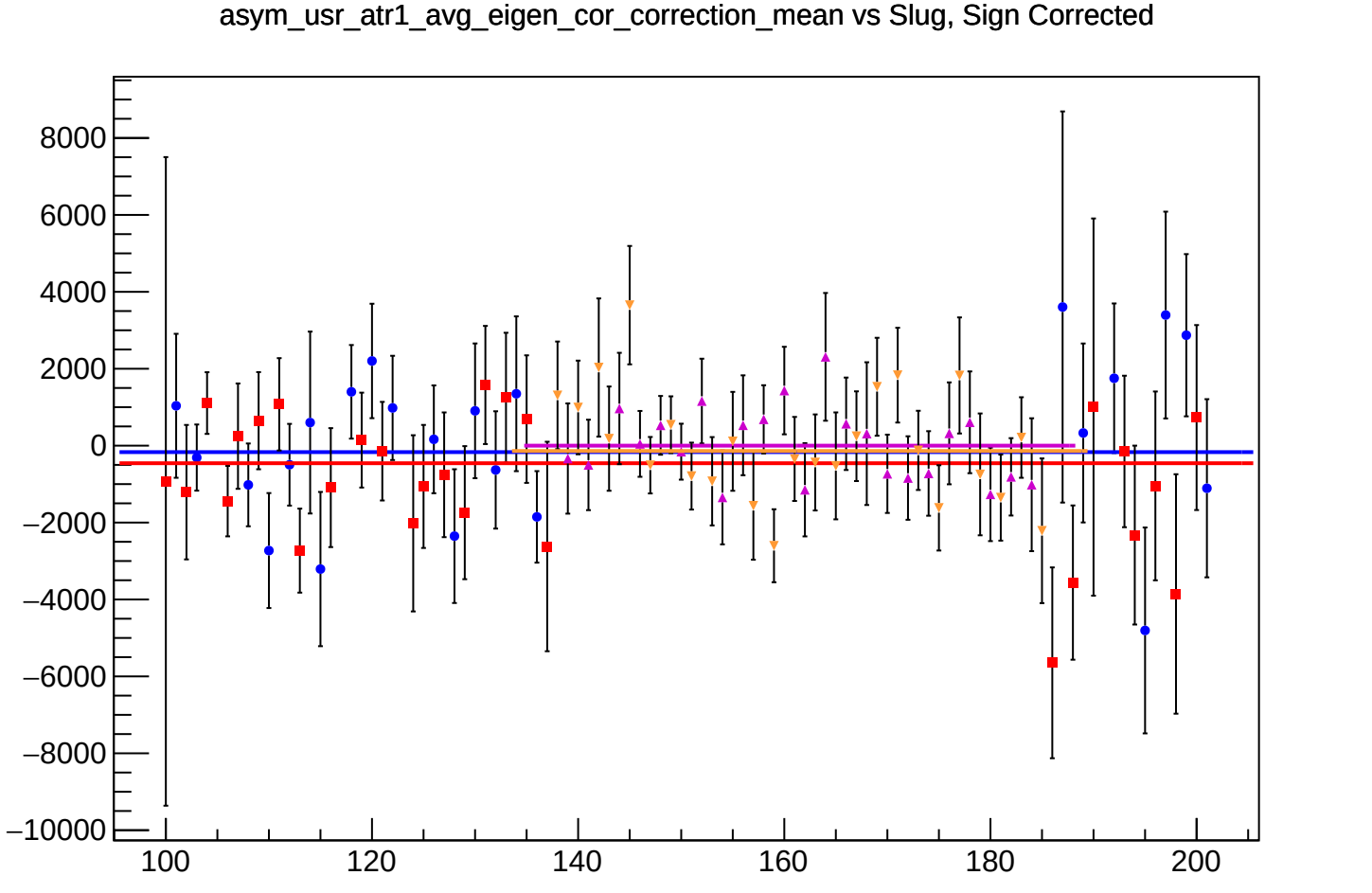
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1645.011+/-0.232 χ^2/NDF: 814585.6/49

In: 1625.272+/-0.209 χ^2/NDF:676130.1/45

Out: 1625.991+/-0.201 χ^2/NDF:153484.9/51

All: 1625.644+/-0.145 χ^2/NDF: 829621.2/97



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: -456.977+/-296.597 χ^2/NDF: 26.7/26

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

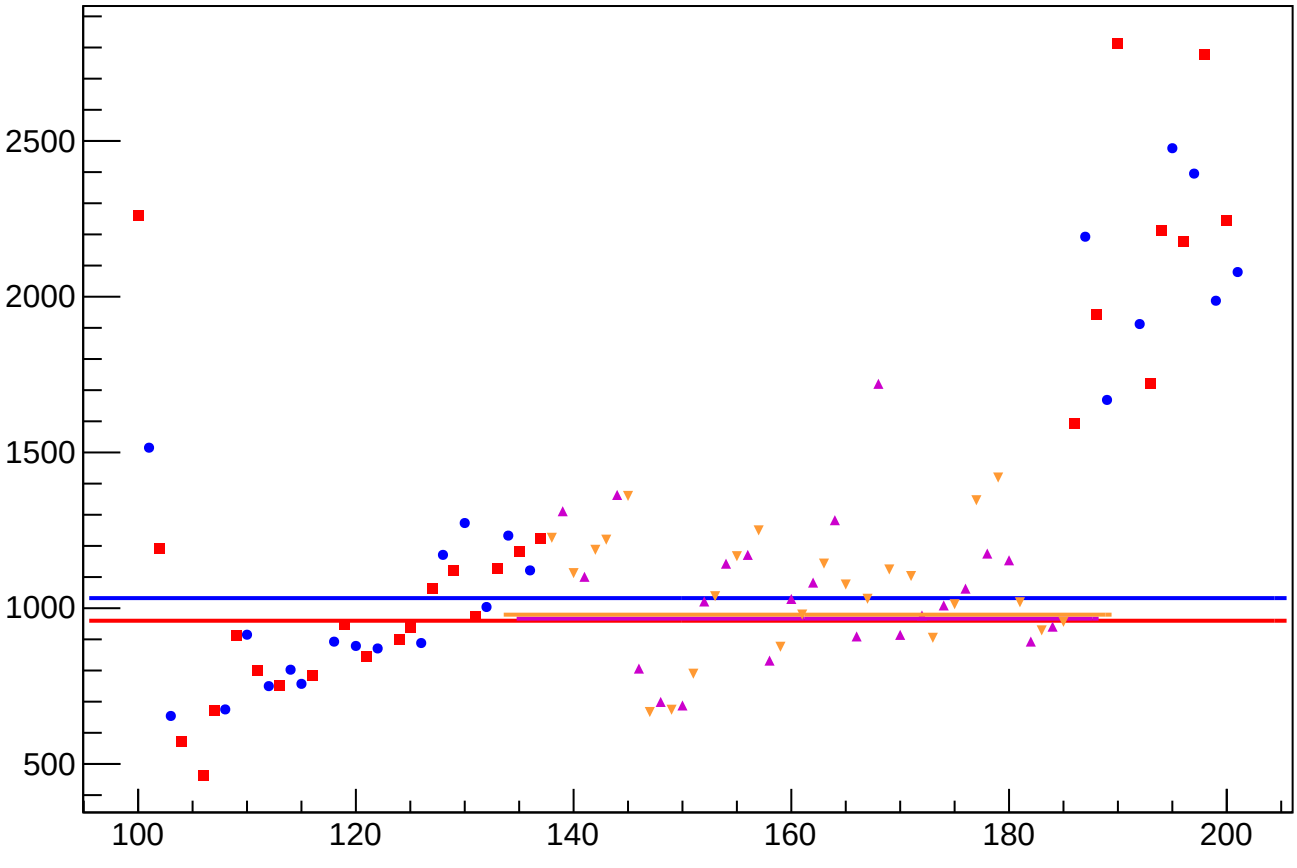
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -324.271+/-218.088 χ^2/NDF: 51.8/49

In: -57.495+/-188.138 χ^2/NDF:37.7/45

Out: -257.887+/-181.322 χ^2/NDF:57.6/51

All: -161.386+/-130.557 χ^2/NDF: 95.9/97



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: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

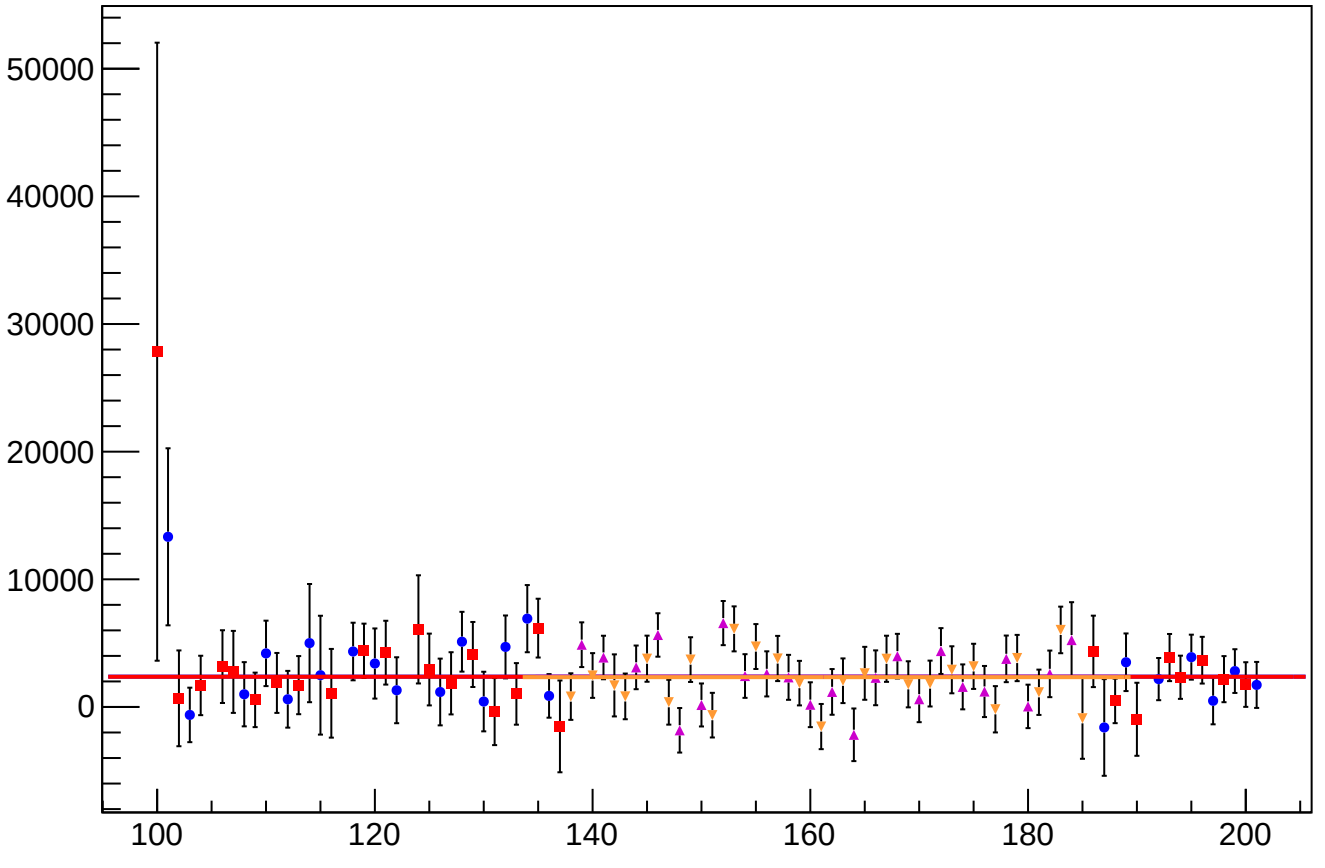
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 993.153+/-0.154 χ^2/NDF: 8764225.9/49

In: 989.054+/-0.133 χ^2/NDF:5365220.2/45

Out: 972.002+/-0.128 χ^2/NDF:6637815.2/51

All: 980.214+/-0.092 χ^2/NDF: 12011553.7/97



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: 2365.778+/-457.558 χ^2/NDF: 14.9/26

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

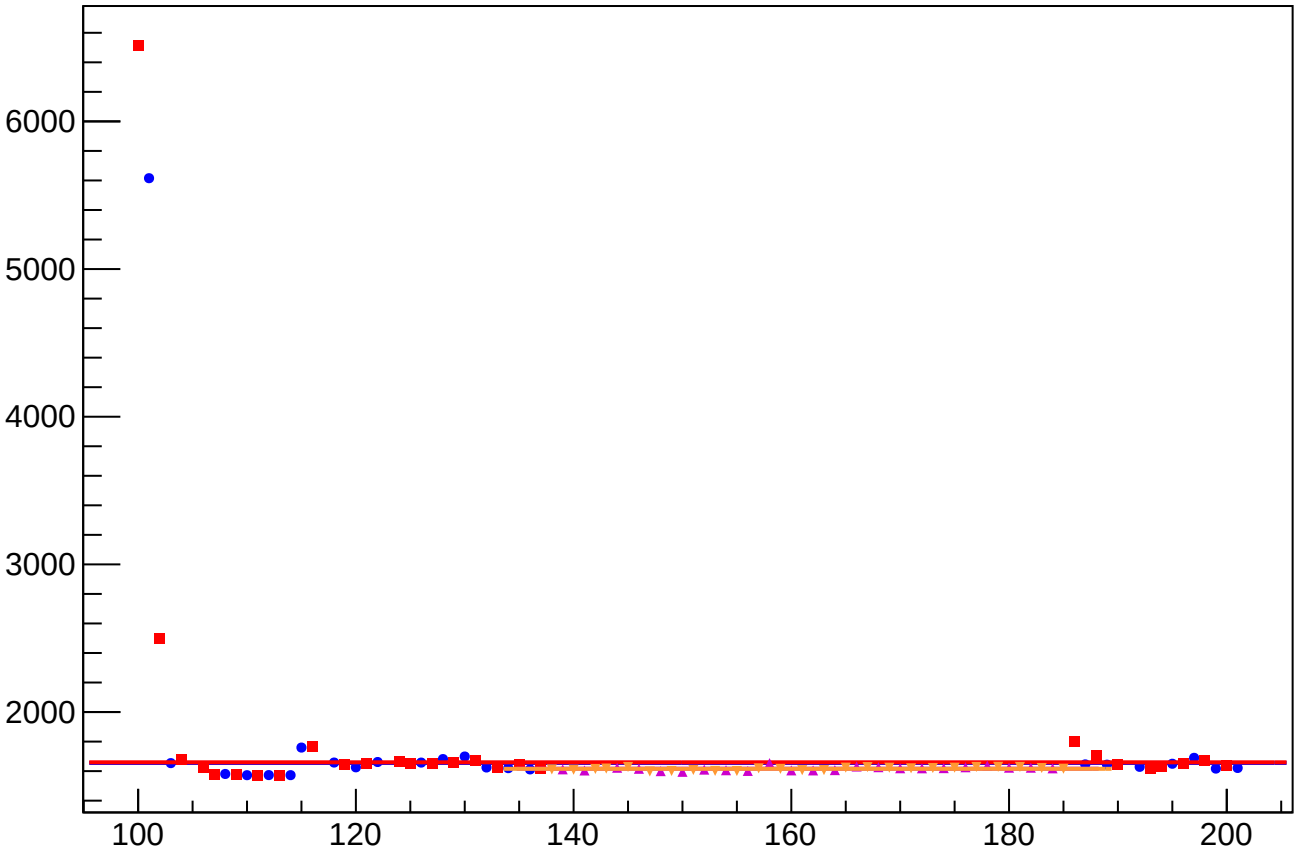
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2370.866+/-330.351 χ^2/NDF: 32.5/49

In: 2366.486+/-296.074 χ^2/NDF:51.6/45

Out: 2346.951+/-286.283 χ^2/NDF:43.2/51

All: 2356.391+/-205.807 χ^2/NDF: 94.8/97



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: 1659.644+/-0.324 χ^2/NDF: 201982.0/26

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

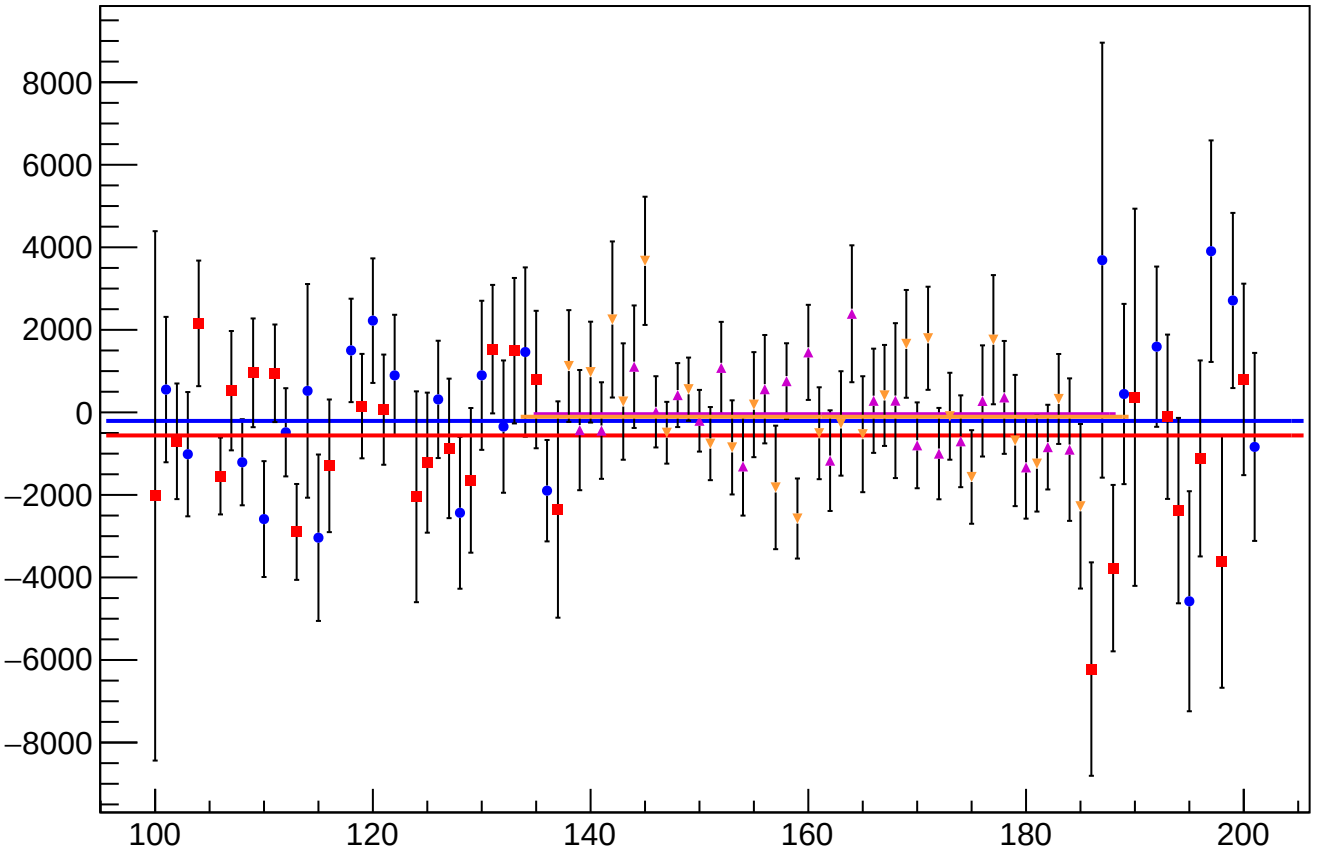
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1657.573+/-0.234 χ^2/NDF: 868594.6/49

In: 1631.341+/-0.209 χ^2/NDF:677279.1/45

Out: 1632.862+/-0.202 χ^2/NDF:214689.4/51

All: 1632.127+/-0.146 χ^2/NDF: 891995.7/97



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: -559.094+/-316.502 χ^2/NDF: 27.3/26

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

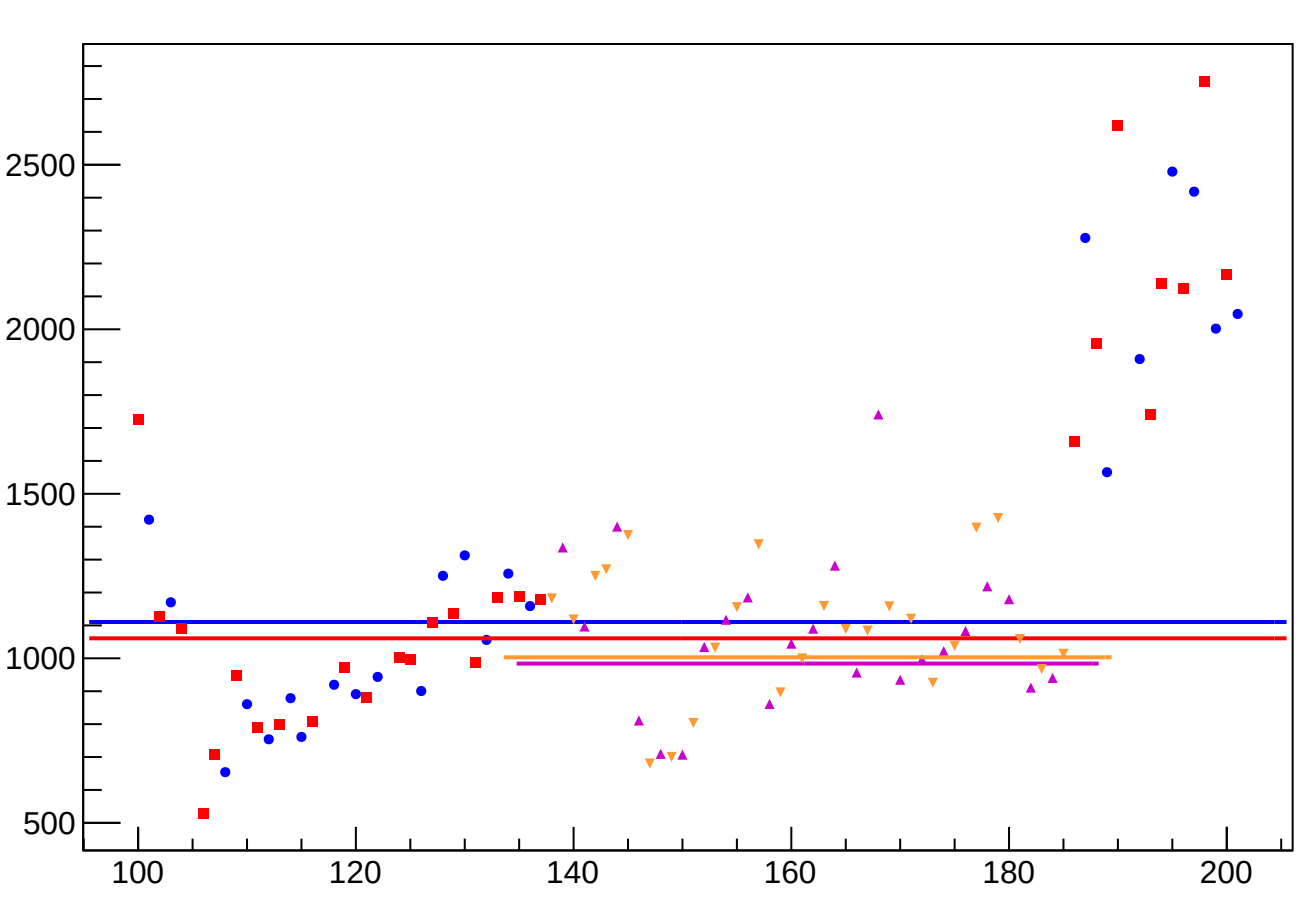
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -396.282+/-232.030 χ^2/NDF: 52.3/49

In: -97.026+/-193.939 χ^2/NDF:37.4/45

Out: -266.624+/-188.318 χ^2/NDF:57.7/51

All: -184.319+/-135.105 χ^2/NDF: 95.5/97



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: 1060.783+/-0.224 χ^2/NDF: 4053607.9/26

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

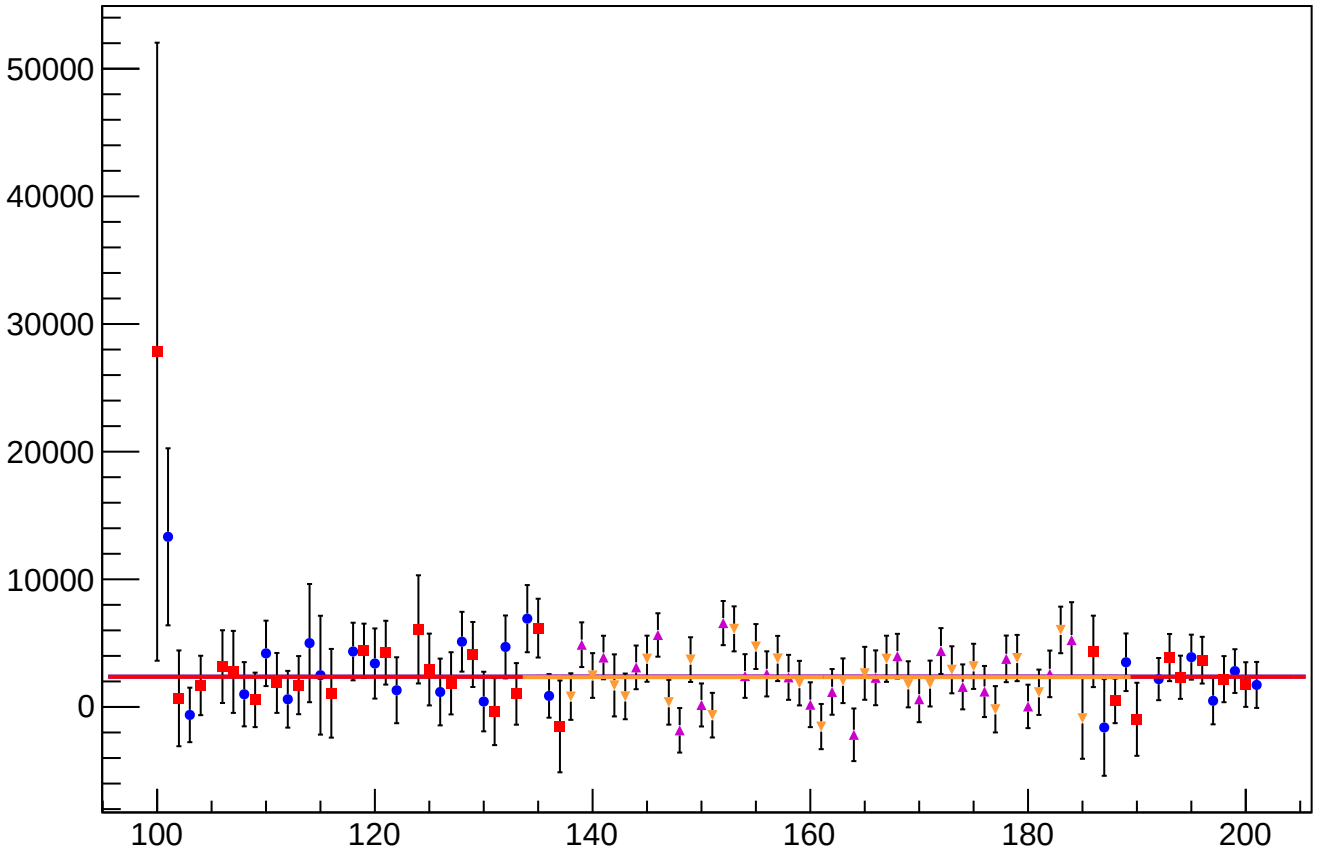
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1083.747+/-0.164 χ^2/NDF: 7313702.9/49

In: 1024.892+/-0.137 χ^2/NDF:4982641.1/45

Out: 1023.522+/-0.133 χ^2/NDF:5694934.6/51

All: 1024.187+/-0.096 χ^2/NDF: 10677627.2/9



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: 2365.776+/-457.558 χ^2/NDF: 14.9/26

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

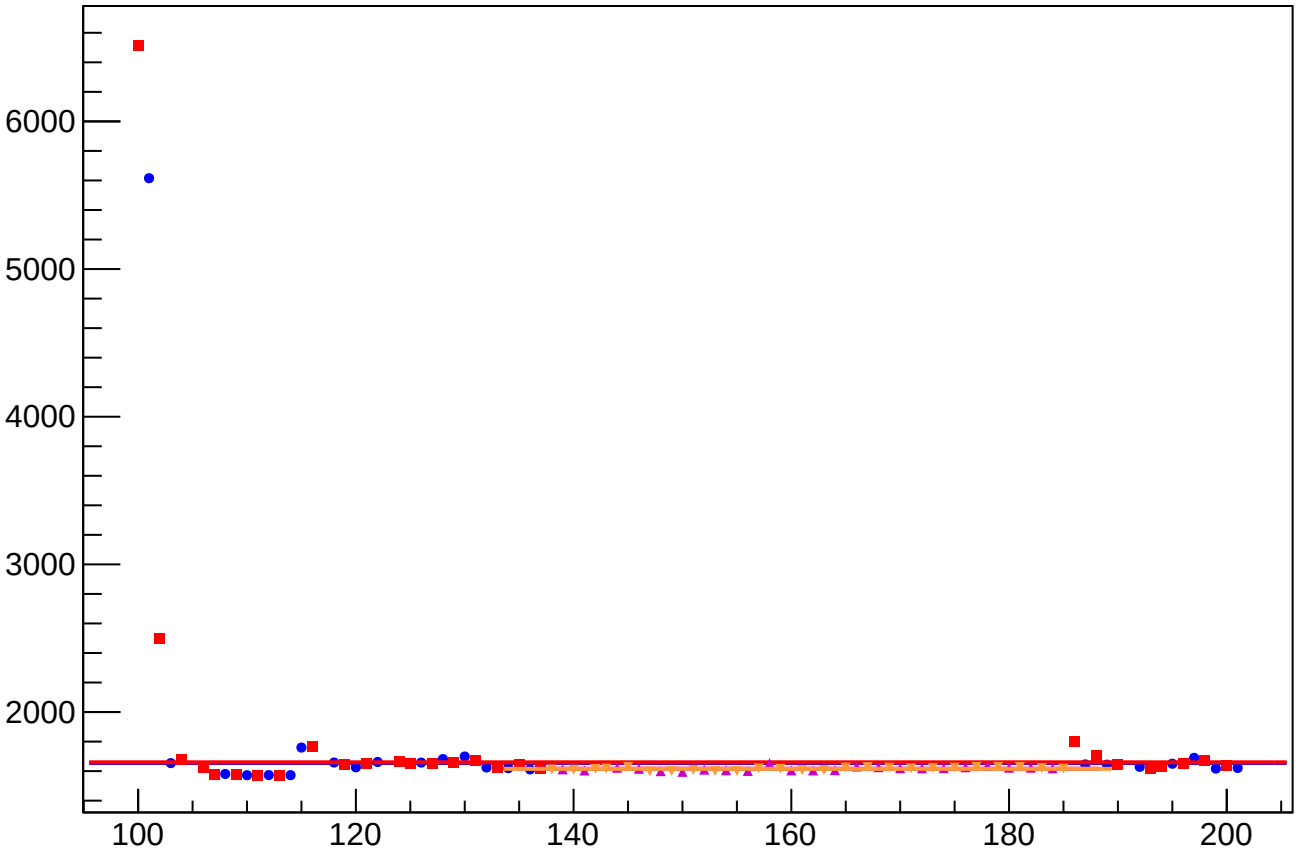
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2370.865+/-330.351 χ^2/NDF: 32.5/49

In: 2366.486+/-296.074 χ^2/NDF:51.6/45

Out: 2346.950+/-286.283 χ^2/NDF:43.2/51

All: 2356.390+/-205.807 χ^2/NDF: 94.8/97



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: 1659.644+/-0.324 χ^2/NDF: 201981.9/26

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

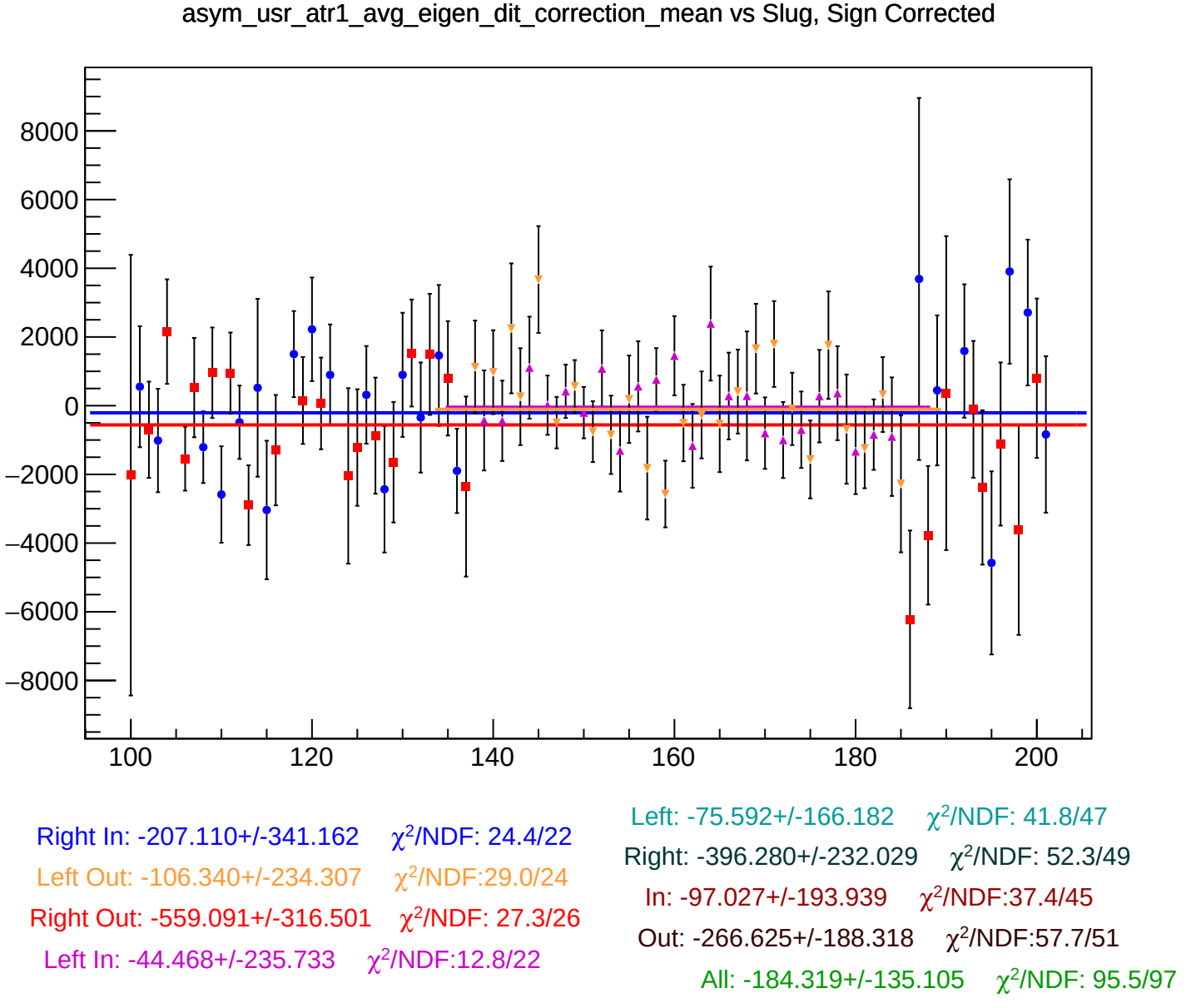
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

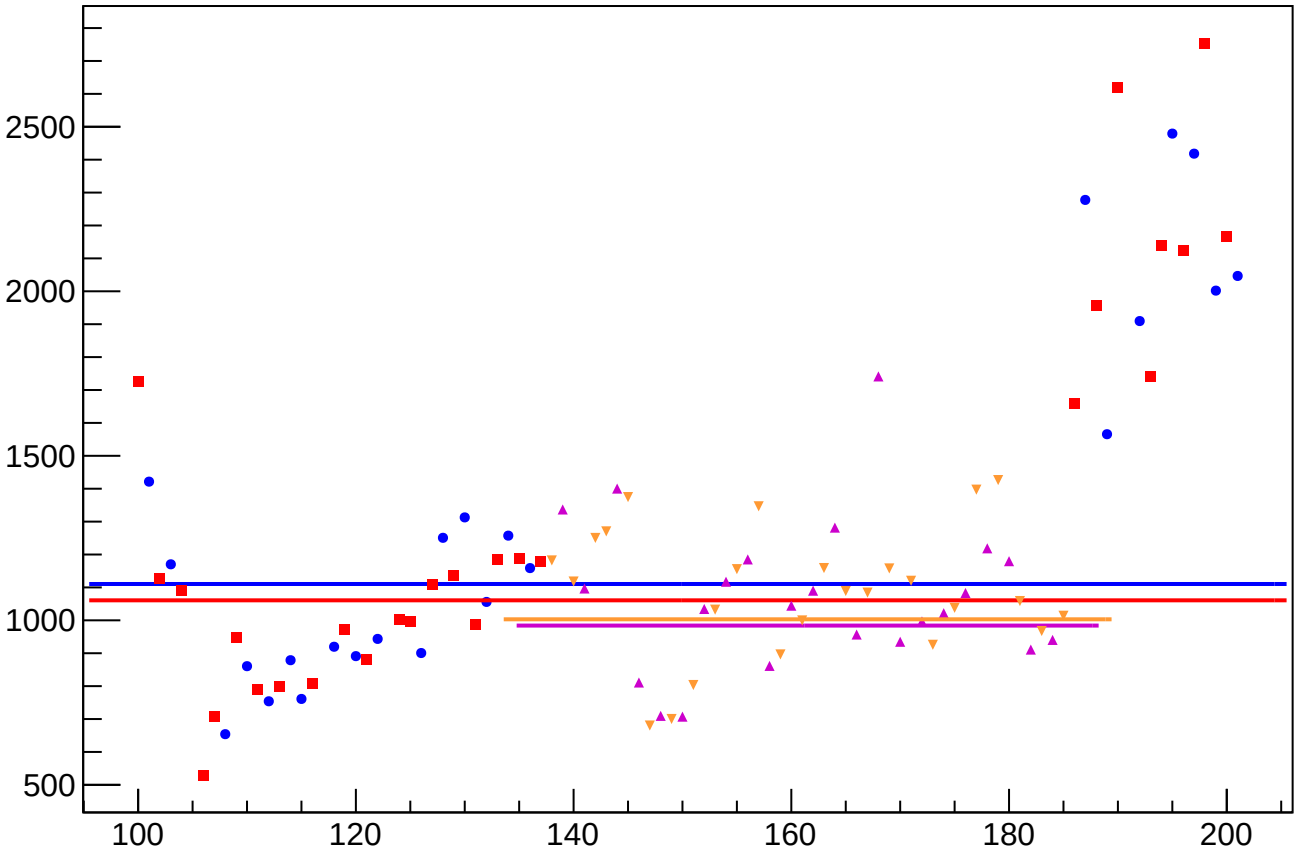
Right: 1657.572+/-0.234 χ^2/NDF: 868594.5/49

In: 1631.341+/-0.209 χ^2/NDF:677279.1/45

Out: 1632.862+/-0.202 χ^2/NDF:214689.2/51

All: 1632.127+/-0.146 χ^2/NDF: 891995.5/97


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -207.110+/-341.162 χ²/NDF: 24.4/22
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -559.091+/-316.501 χ²/NDF: 27.3/26
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -396.280+/-232.029 χ²/NDF: 52.3/49
In: -97.027+/-193.939 χ²/NDF:37.4/45
Out: -266.625+/-188.318 χ²/NDF:57.7/51
All: -184.319+/-135.105 χ²/NDF: 95.5/97



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: 1060.780+/-0.224 χ^2/NDF: 4053630.2/26

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

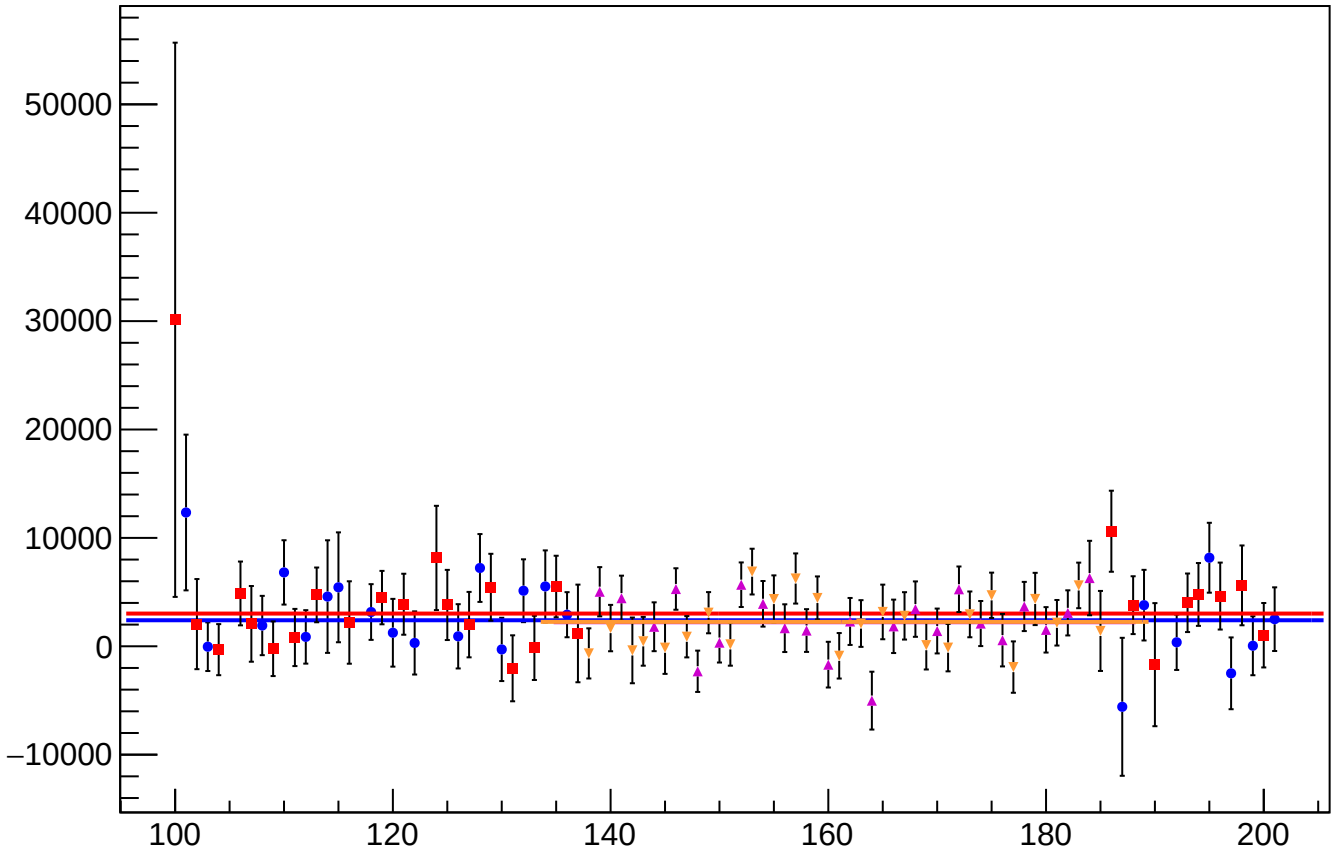
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1083.743+/-0.164 χ^2/NDF: 7313759.5/49

In: 1024.892+/-0.137 χ^2/NDF:4982660.7/45

Out: 1023.522+/-0.133 χ^2/NDF:5694951.6/51

All: 1024.187+/-0.096 χ^2/NDF: 10677663.7/9



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: 3018.237+/-598.194 χ^2/NDF: 20.4/26

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

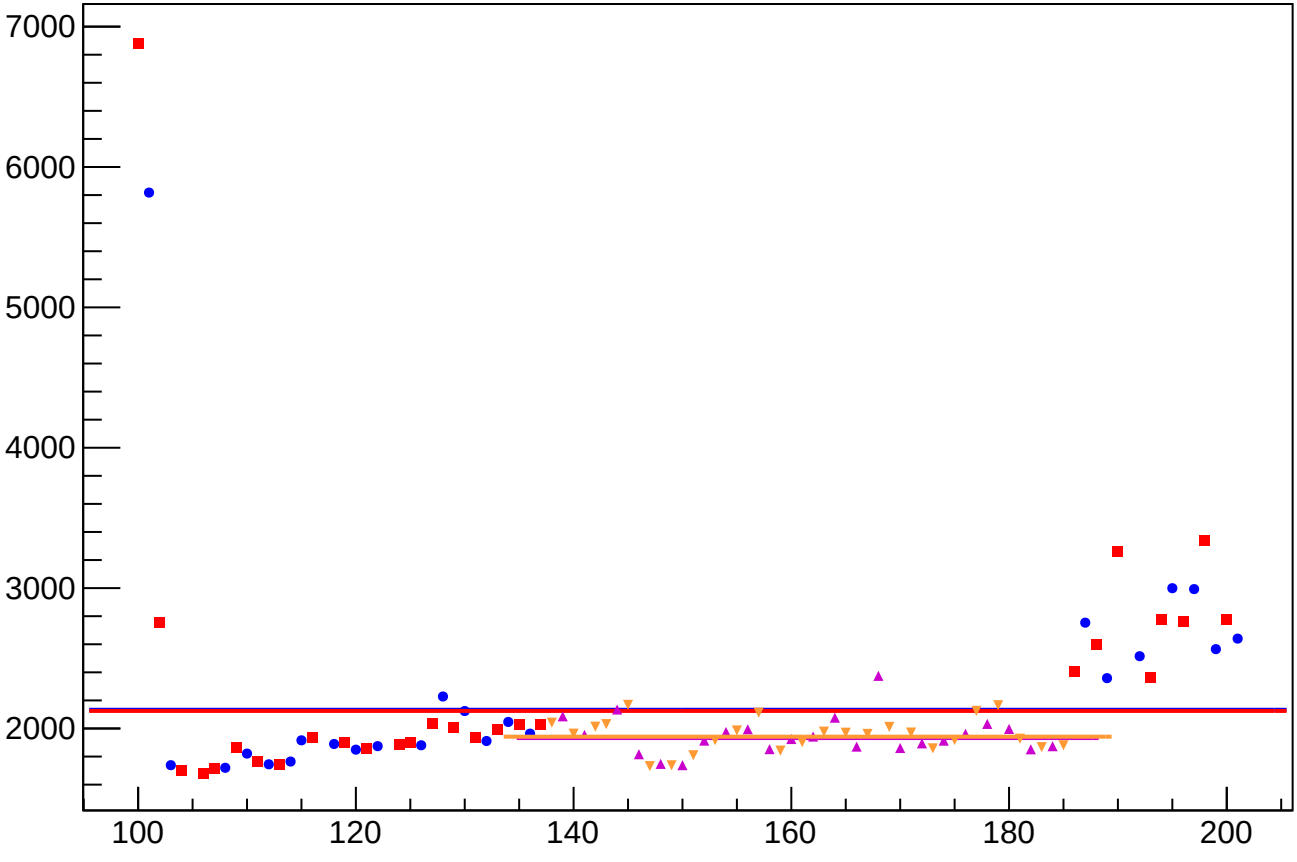
Right: 2722.871+/-432.100 χ^2/NDF: 41.7/49

In: 2281.701+/-366.377 χ^2/NDF:52.4/45

Out: 2523.013+/-355.597 χ^2/NDF:49.7/51

All: 2405.959+/-255.171 χ^2/NDF: 102.4/97

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: 2125.152+/-0.423 χ^2/NDF: 1104812.5/26

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

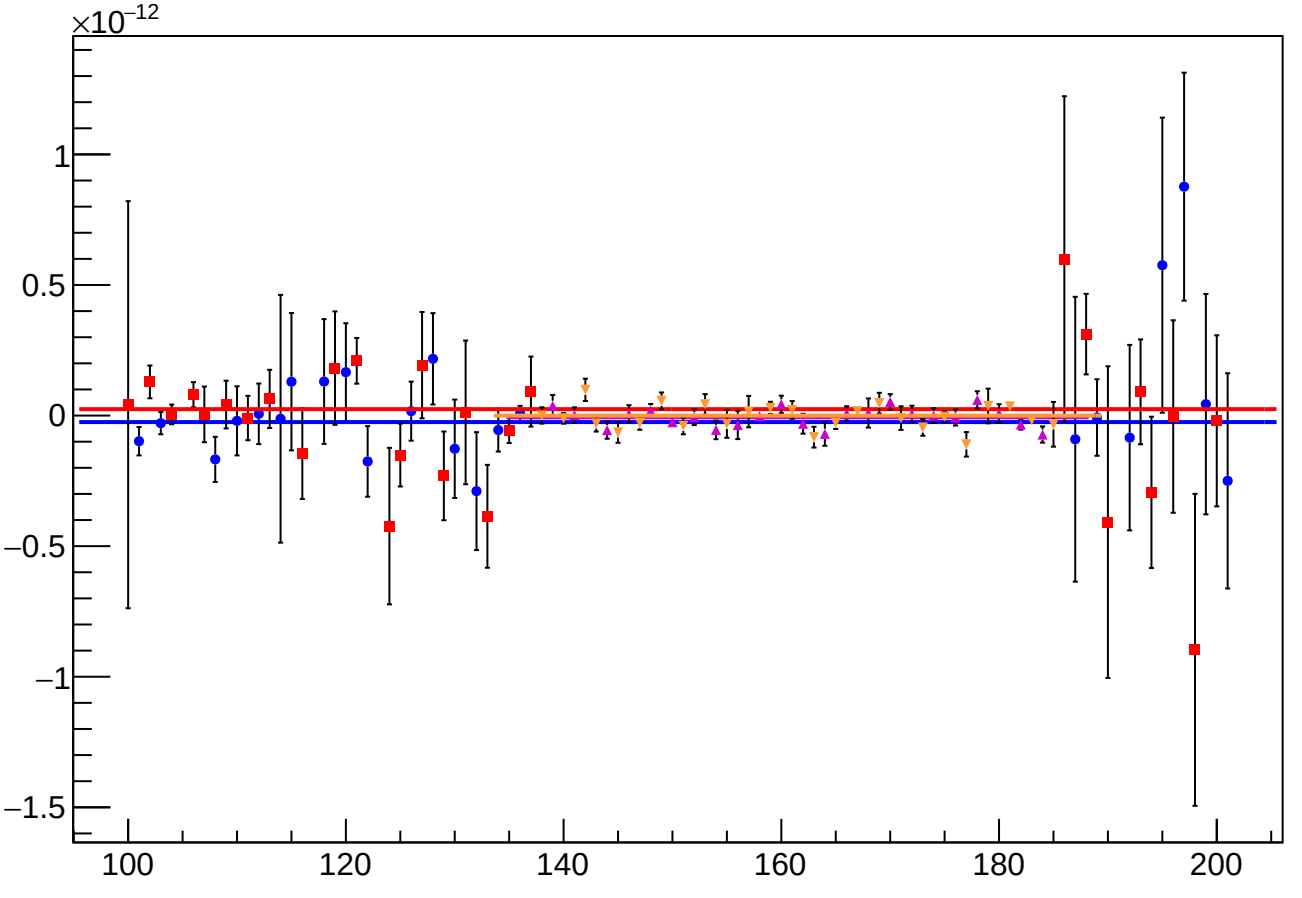
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2129.051+/-0.306 χ^2/NDF: 2379695.0/49

In: 2001.087+/-0.259 χ^2/NDF:1571052.2/45

Out: 2006.452+/-0.251 χ^2/NDF:1365611.1/51

All: 2003.850+/-0.180 χ^2/NDF: 2936884.0/97



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: 34.0/26

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

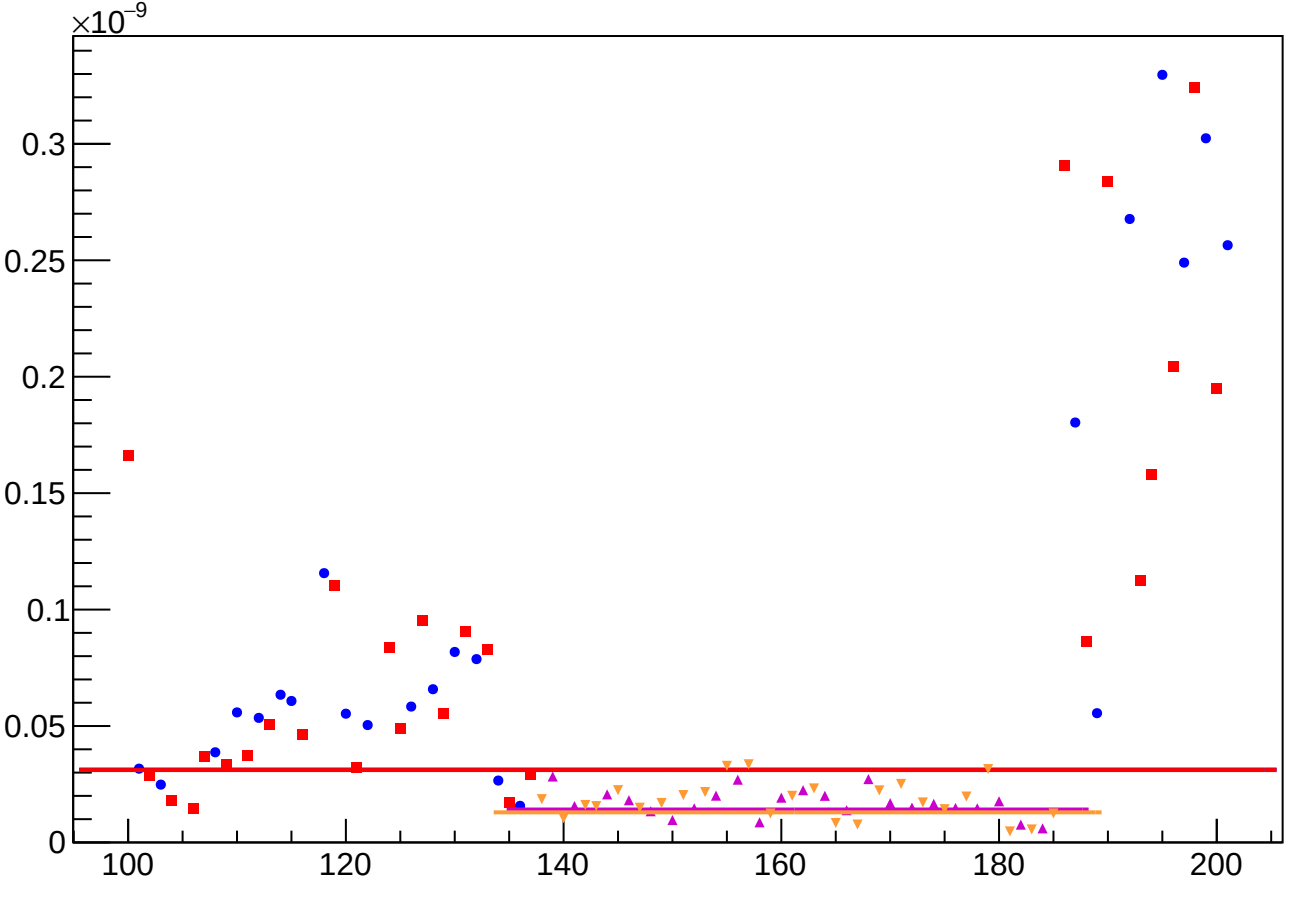
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.9/49

In: -0.000+/-0.000 χ^2/NDF:46.9/45

Out: 0.000+/-0.000 χ^2/NDF:75.9/51

All: -0.000+/-0.000 χ^2/NDF: 124.4/97



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: 4744038.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

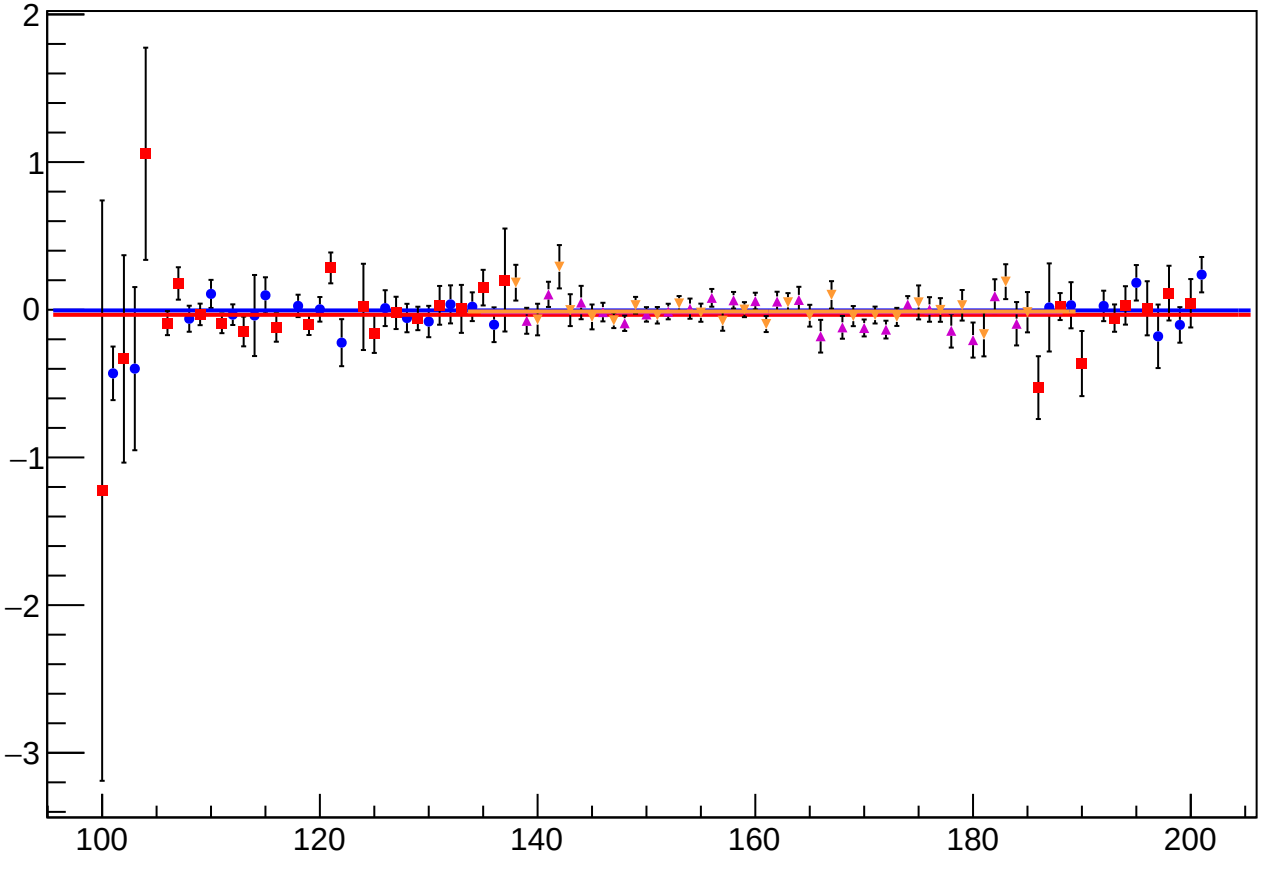
Right: 0.000+/-0.000 χ^2/NDF: 9855616.1/49

In: 0.000+/-0.000 χ^2/NDF:8126241.1/45

Out: 0.000+/-0.000 χ^2/NDF:9246076.6/51

All: 0.000+/-0.000 χ^2/NDF: 17429594.1/97

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: -0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

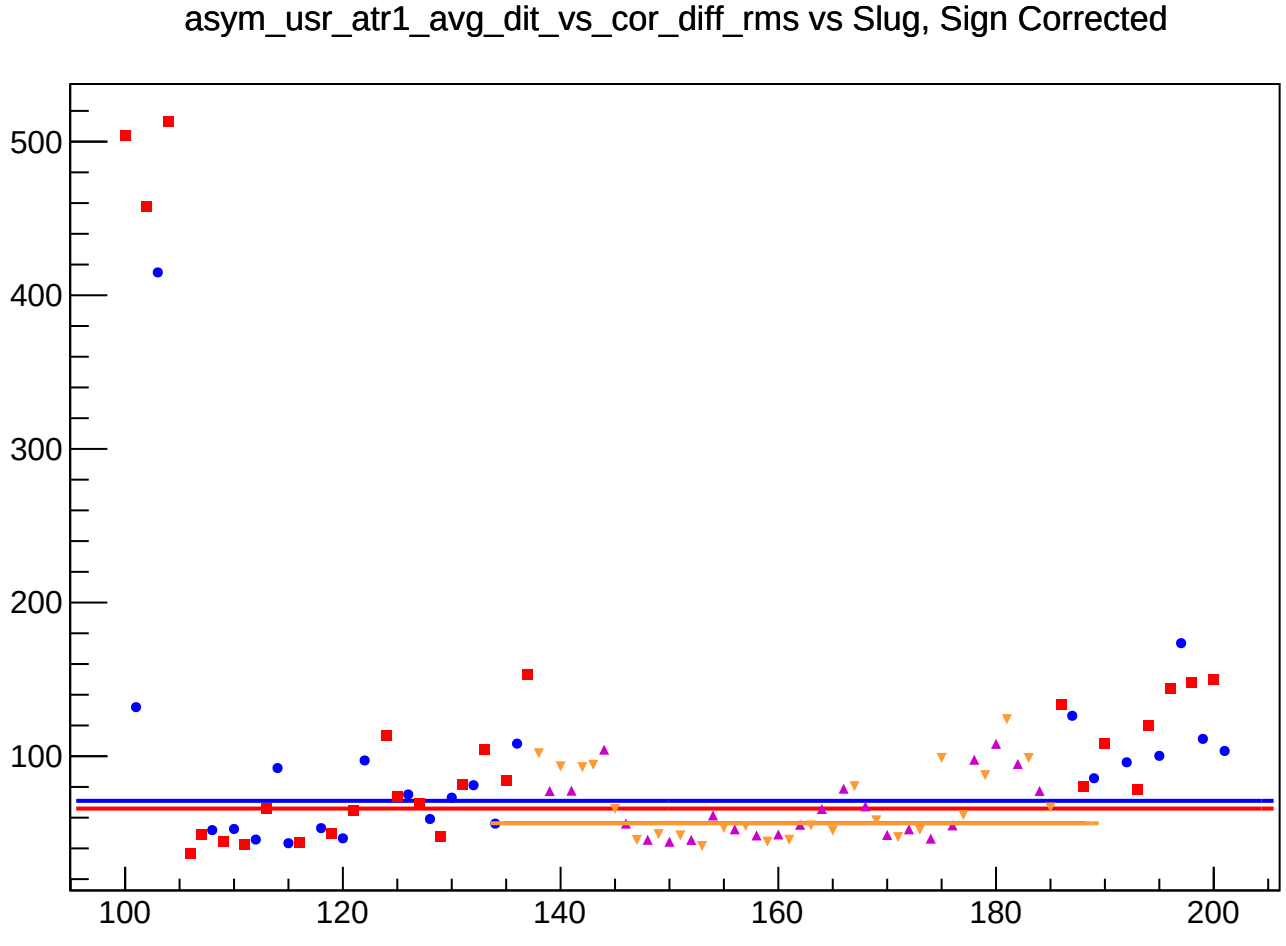
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.020+/-0.016 χ^2/NDF: 54.8/49

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.016+/-0.009 χ^2/NDF: 107.4/97



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: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

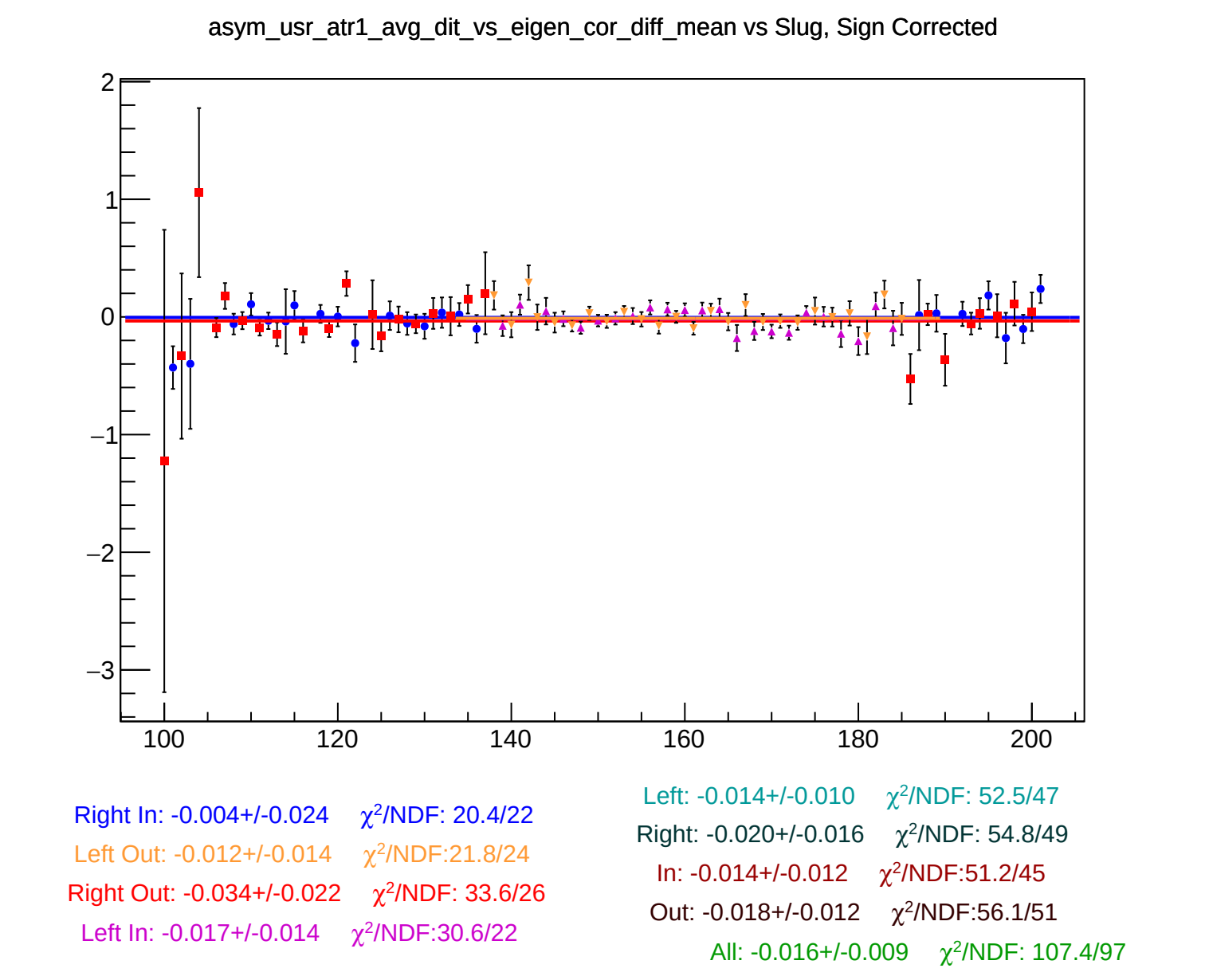
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

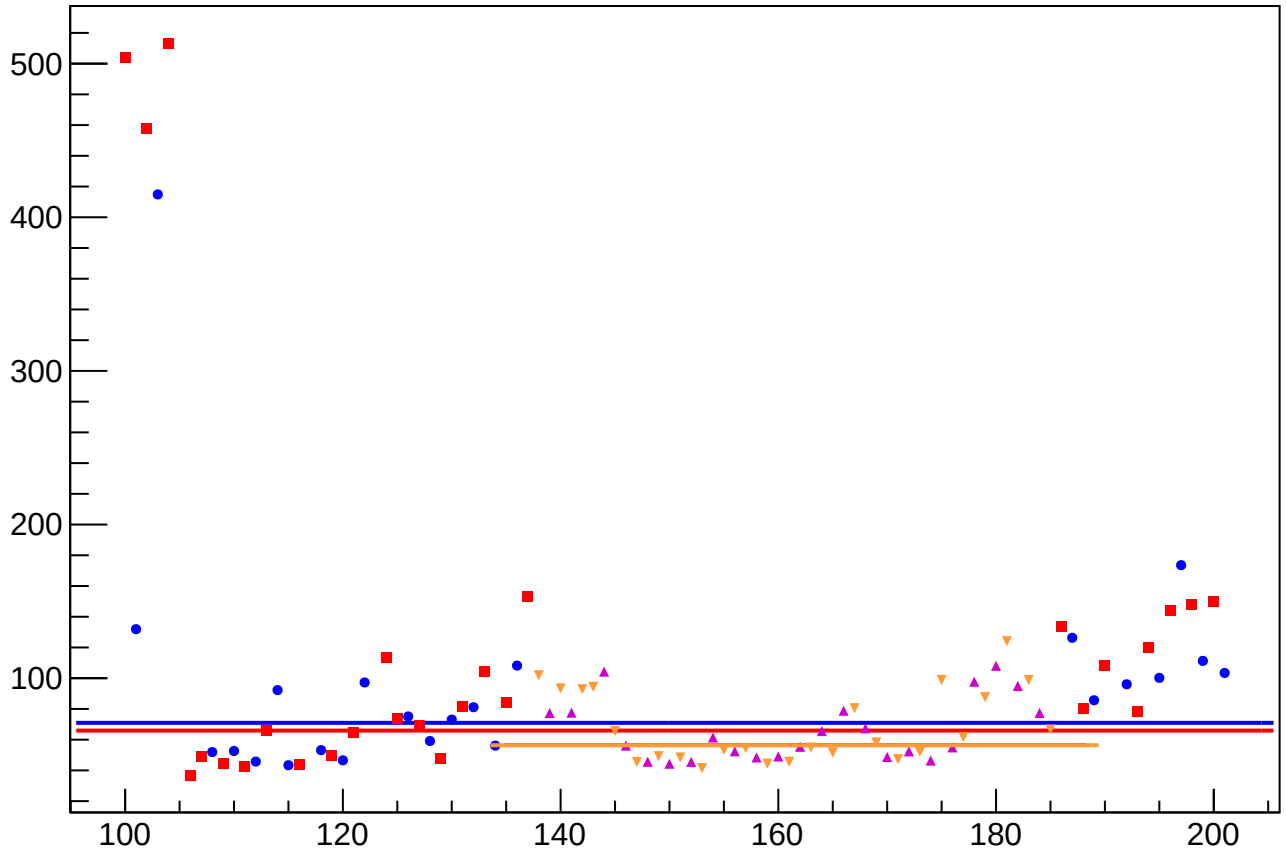
Right: 68.248+/-0.011 χ^2/NDF: 8286484.3/49

In: 60.430+/-0.009 χ^2/NDF:6009489.7/45

Out: 59.237+/-0.008 χ^2/NDF:7979466.2/51

All: 59.815+/-0.006 χ^2/NDF: 13998574.4/97


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.004+/-0.024 χ²/NDF: 20.4/22
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.034+/-0.022 χ²/NDF: 33.6/26
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.020+/-0.016 χ²/NDF: 54.8/49
In: -0.014+/-0.012 χ²/NDF:51.2/45
Out: -0.018+/-0.012 χ²/NDF:56.1/51
All: -0.016+/-0.009 χ²/NDF: 107.4/97



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: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

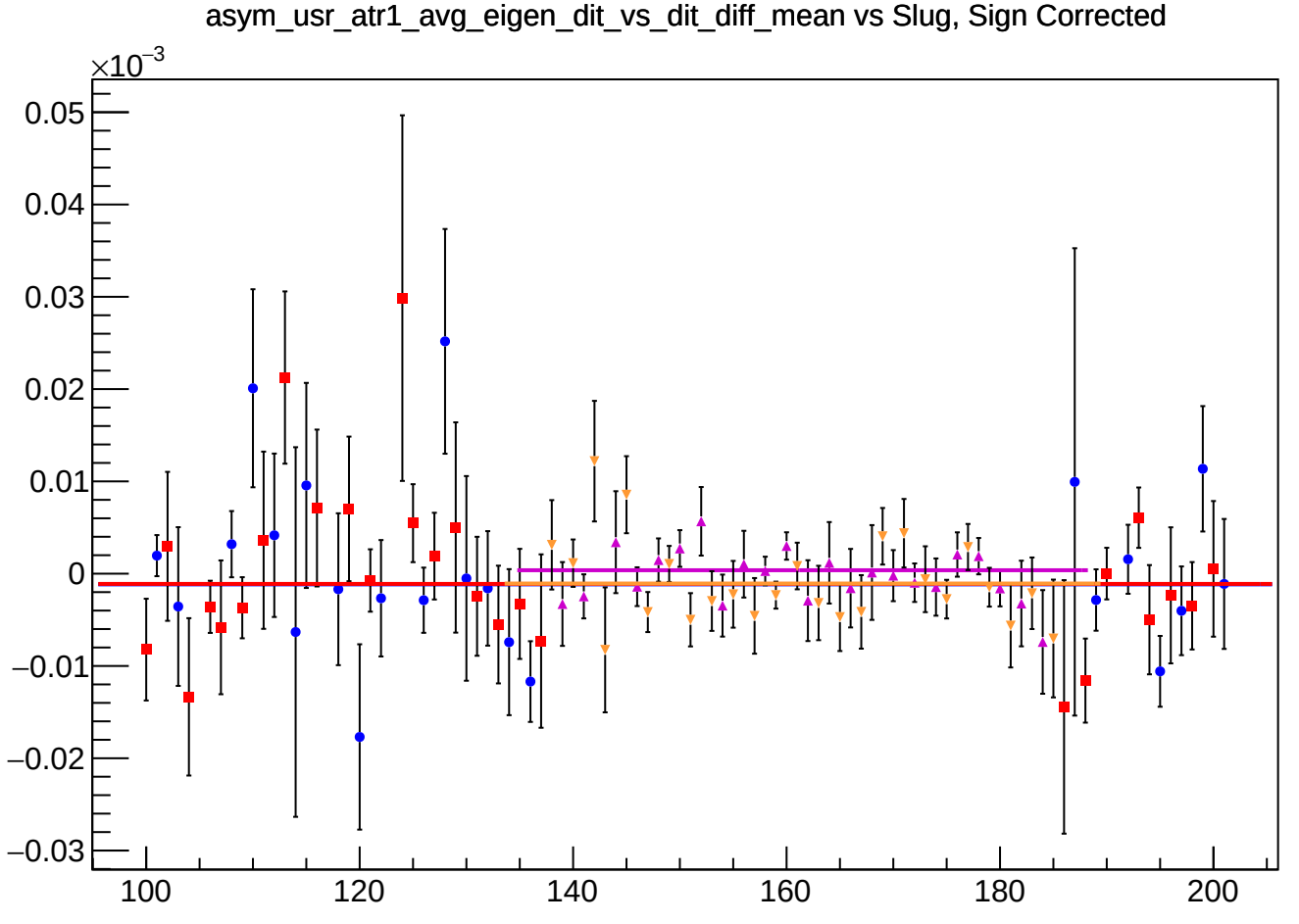
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 68.248+/-0.011 χ^2/NDF: 8286484.3/49

In: 60.430+/-0.009 χ^2/NDF:6009489.7/45

Out: 59.237+/-0.008 χ^2/NDF:7979466.2/51

All: 59.815+/-0.006 χ^2/NDF: 13998574.4/97



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: 32.4/26

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

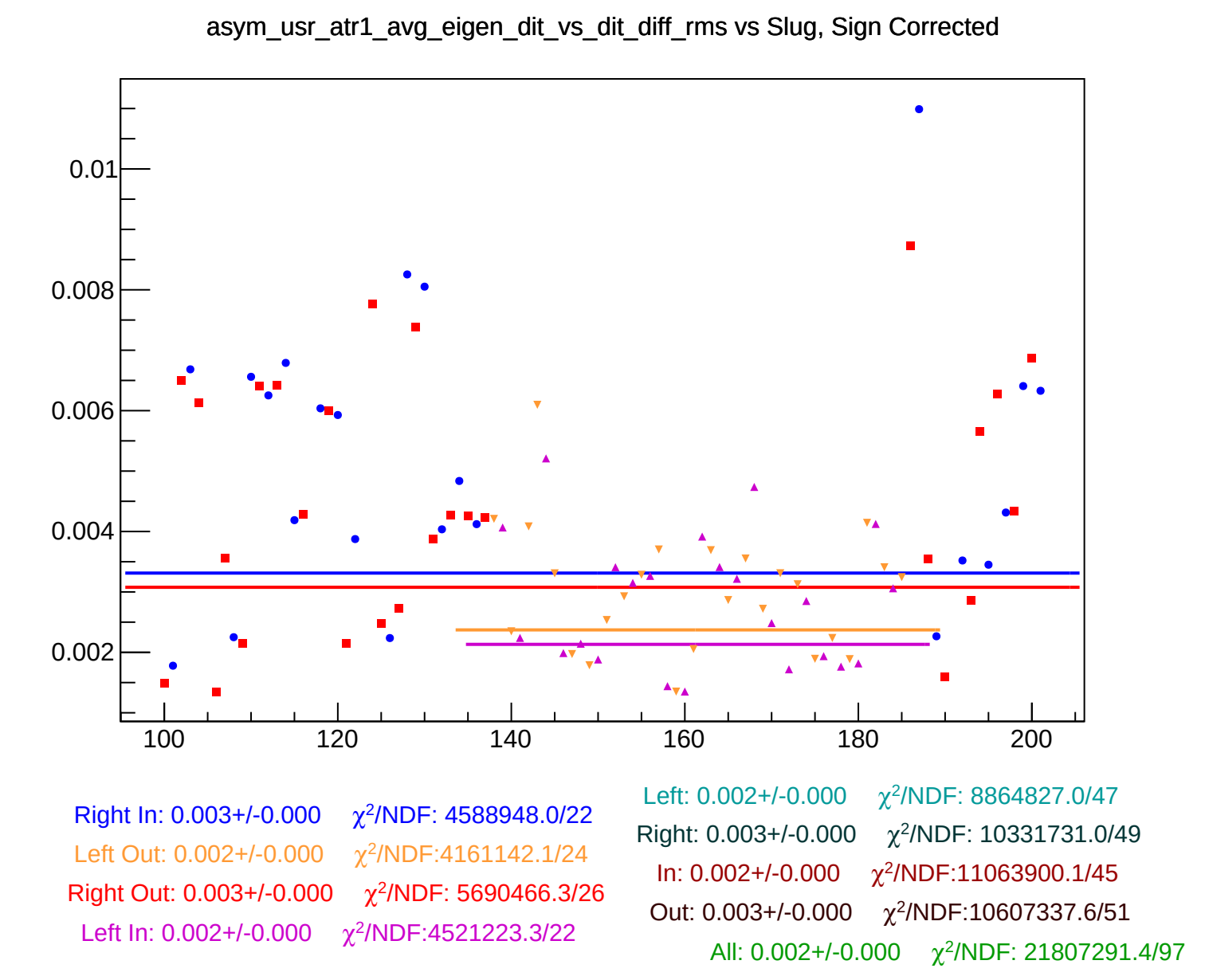
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.1/49

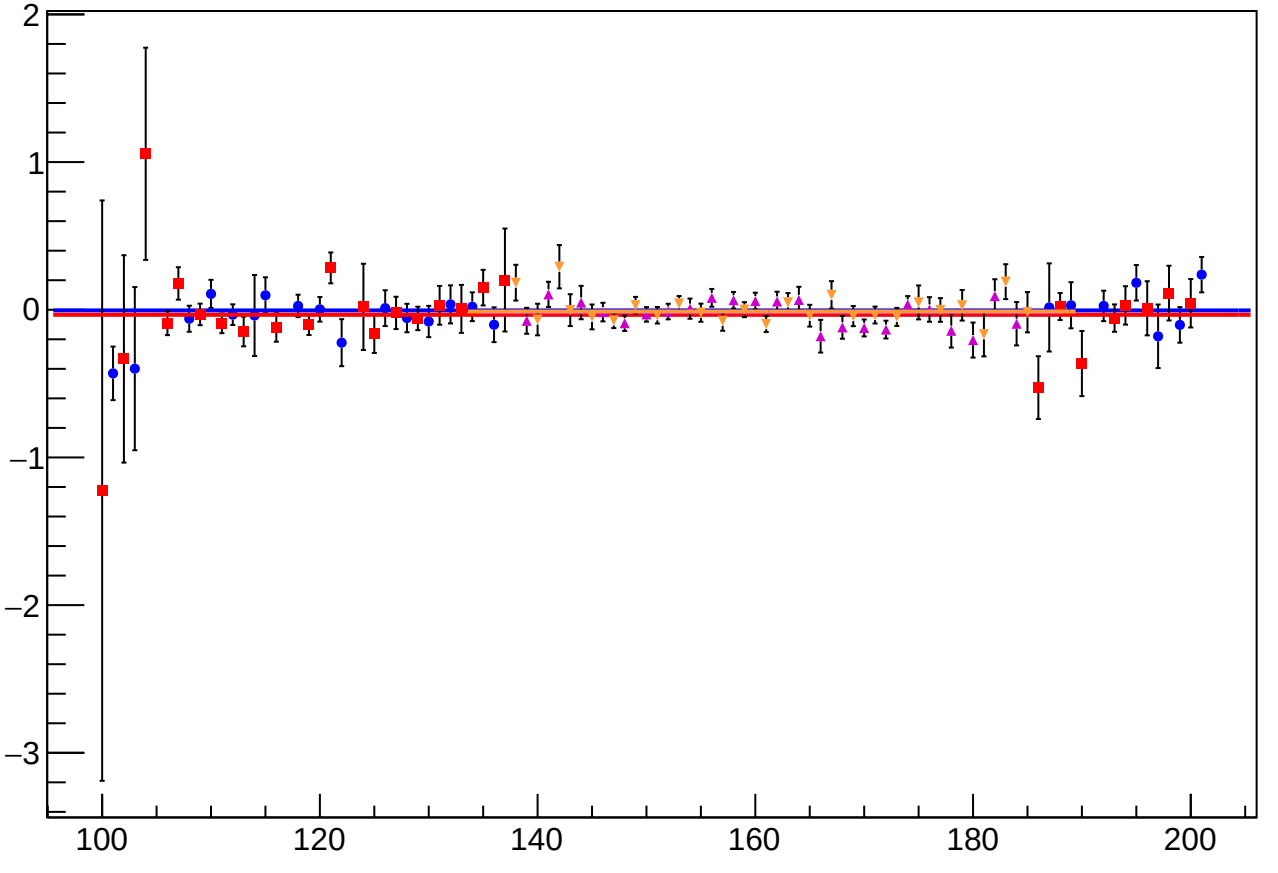
In: 0.000+/-0.000 χ^2/NDF:52.8/45

Out: -0.000+/-0.000 χ^2/NDF:64.0/51

All: -0.000+/-0.000 χ^2/NDF: 119.5/97


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4588948.0/22
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5690466.3/26
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 10331731.0/49
In: 0.002+/-0.000 χ²/NDF:11063900.1/45
Out: 0.003+/-0.000 χ²/NDF:10607337.6/51
All: 0.002+/-0.000 χ²/NDF: 21807291.4/97

asym_usr_atr1_avg_eigen_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: -0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

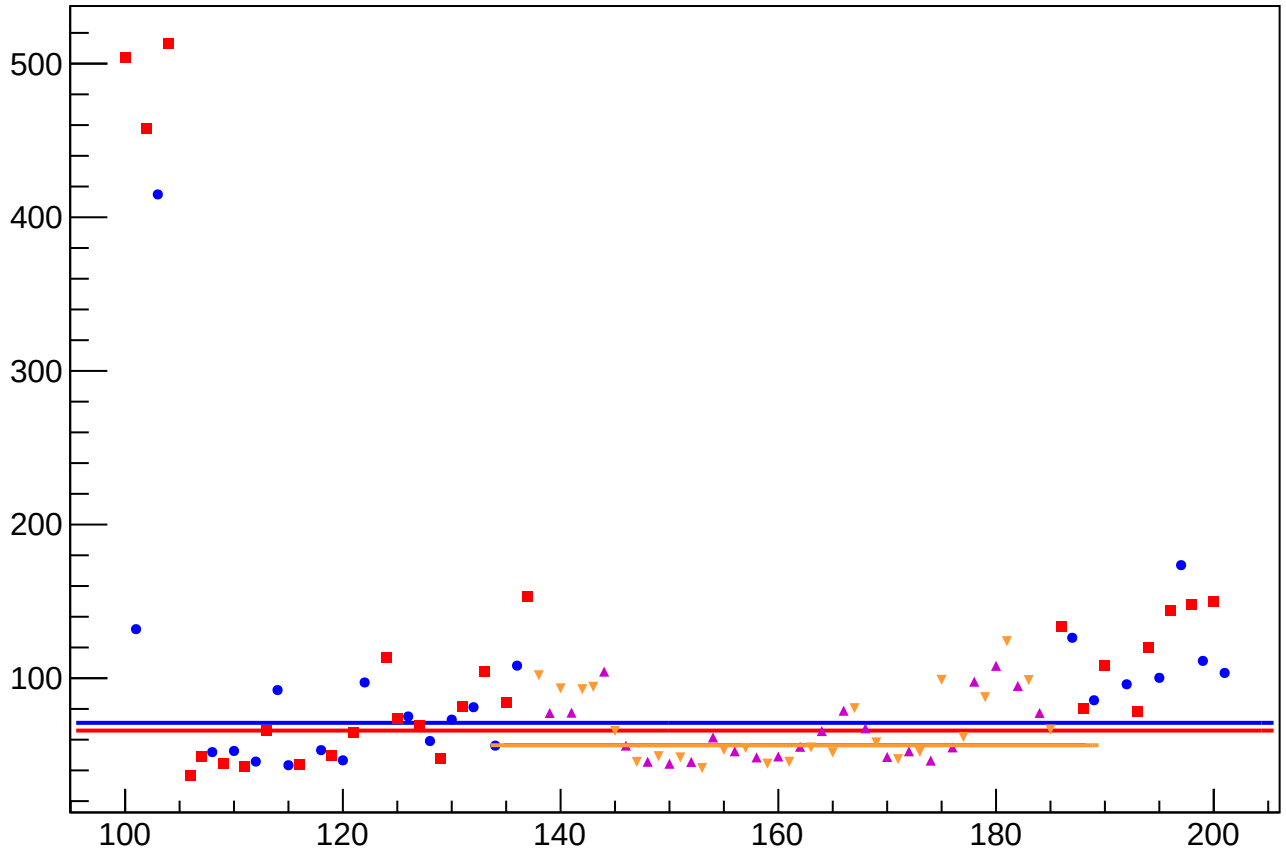
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.020+/-0.016 χ^2/NDF: 54.8/49

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.016+/-0.009 χ^2/NDF: 107.4/97



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: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

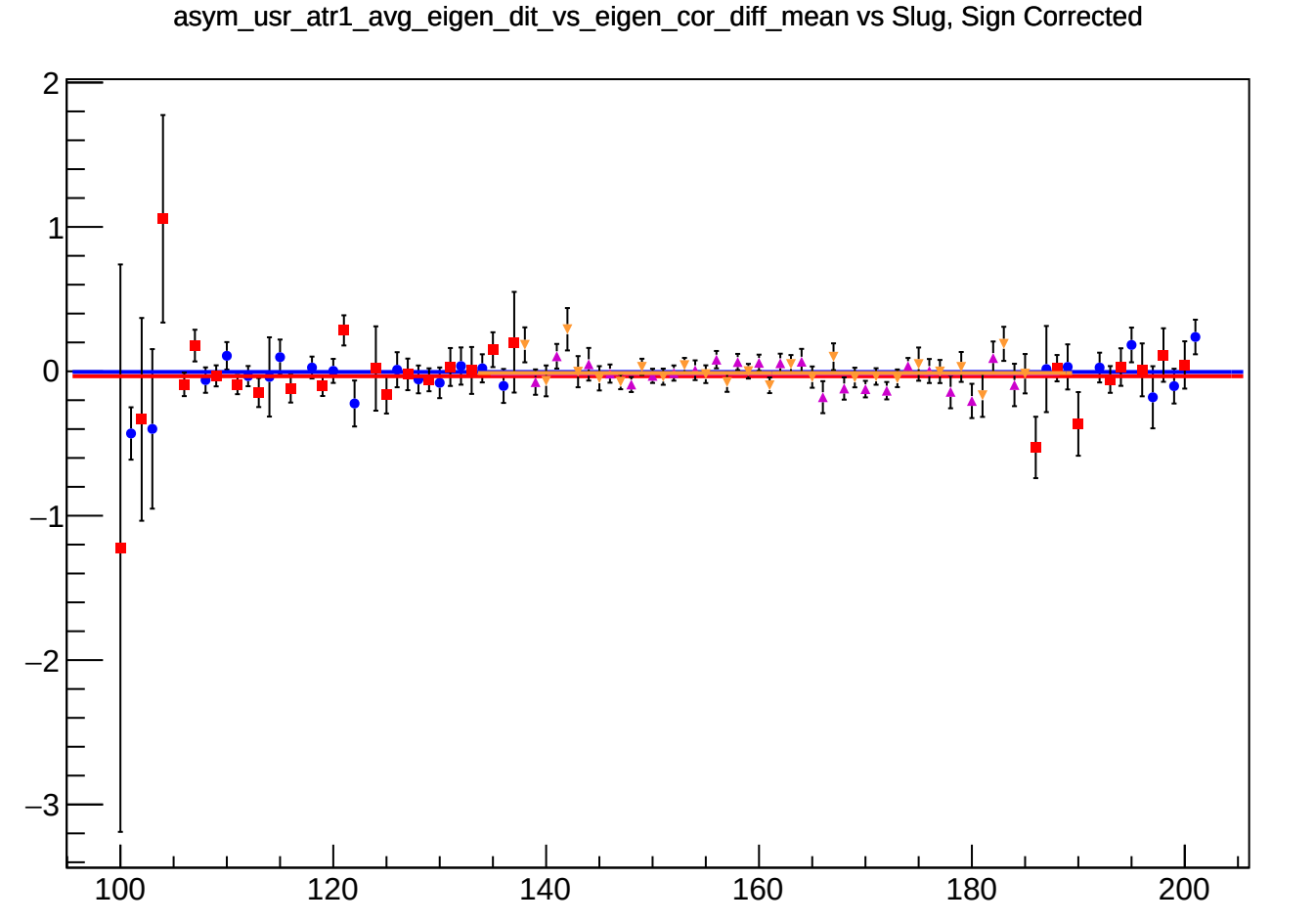
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 68.248+/-0.011 χ^2/NDF: 8286468.6/49

In: 60.430+/-0.009 χ^2/NDF:6009393.8/45

Out: 59.237+/-0.008 χ^2/NDF:7979491.9/51

All: 59.815+/-0.006 χ^2/NDF: 13998504.2/97



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: -0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

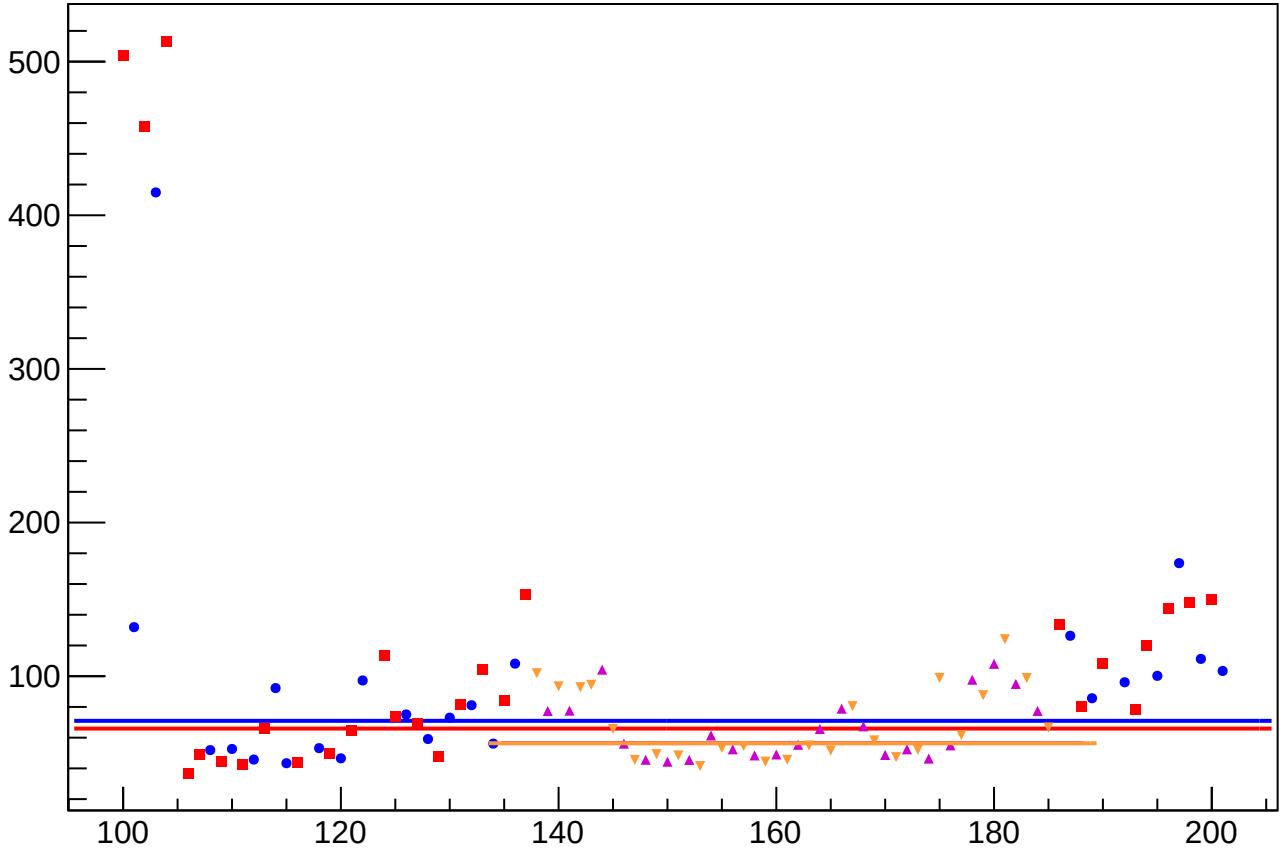
Right: -0.020+/-0.016 χ^2/NDF: 54.8/49

In: -0.014+/-0.012 χ^2/NDF:51.2/45

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.016+/-0.009 χ^2/NDF: 107.4/97

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: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

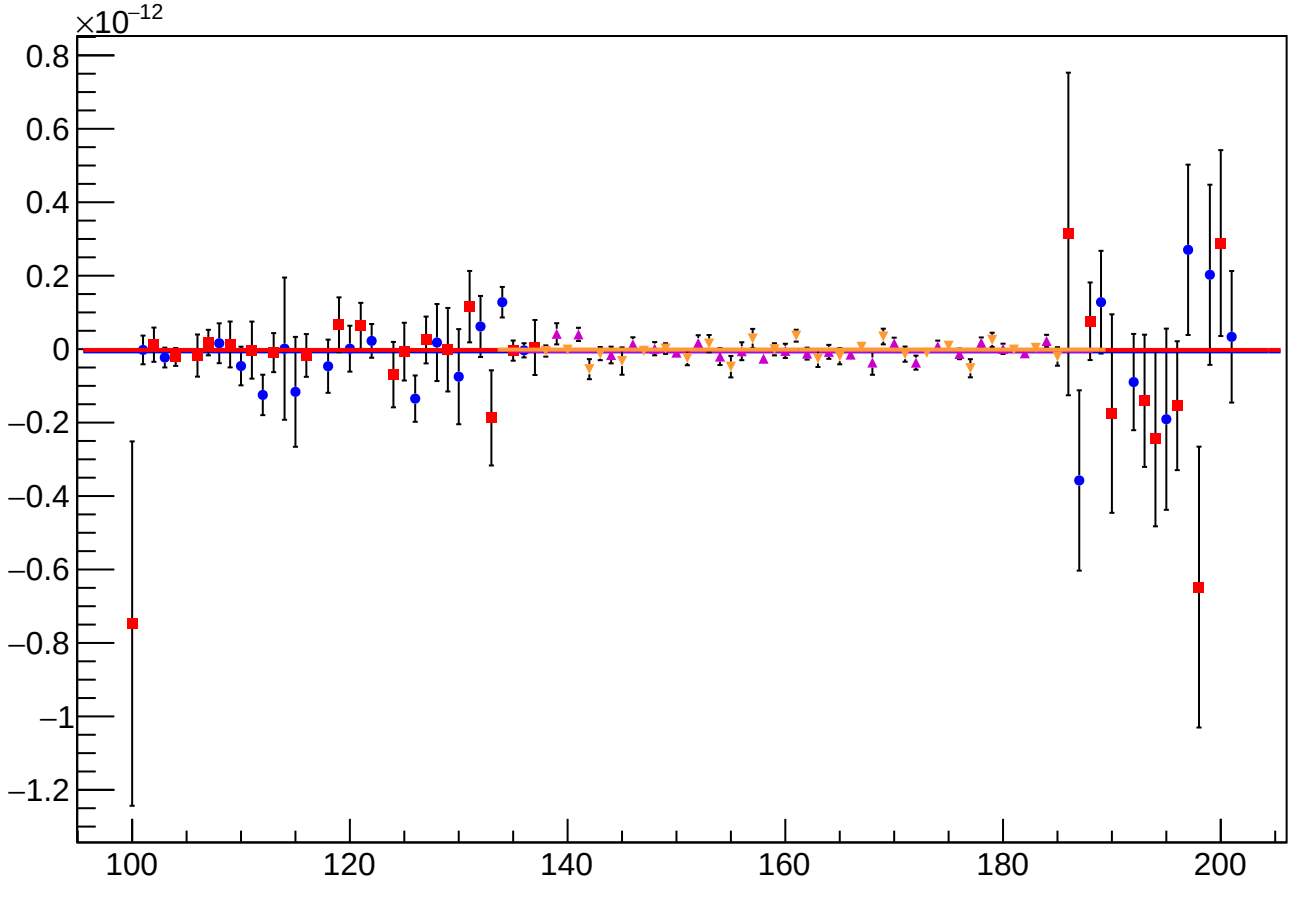
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 68.248+/-0.011 χ^2/NDF: 8286468.6/49

In: 60.430+/-0.009 χ^2/NDF:6009393.8/45

Out: 59.237+/-0.008 χ^2/NDF:7979491.9/51

All: 59.815+/-0.006 χ^2/NDF: 13998504.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/26

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

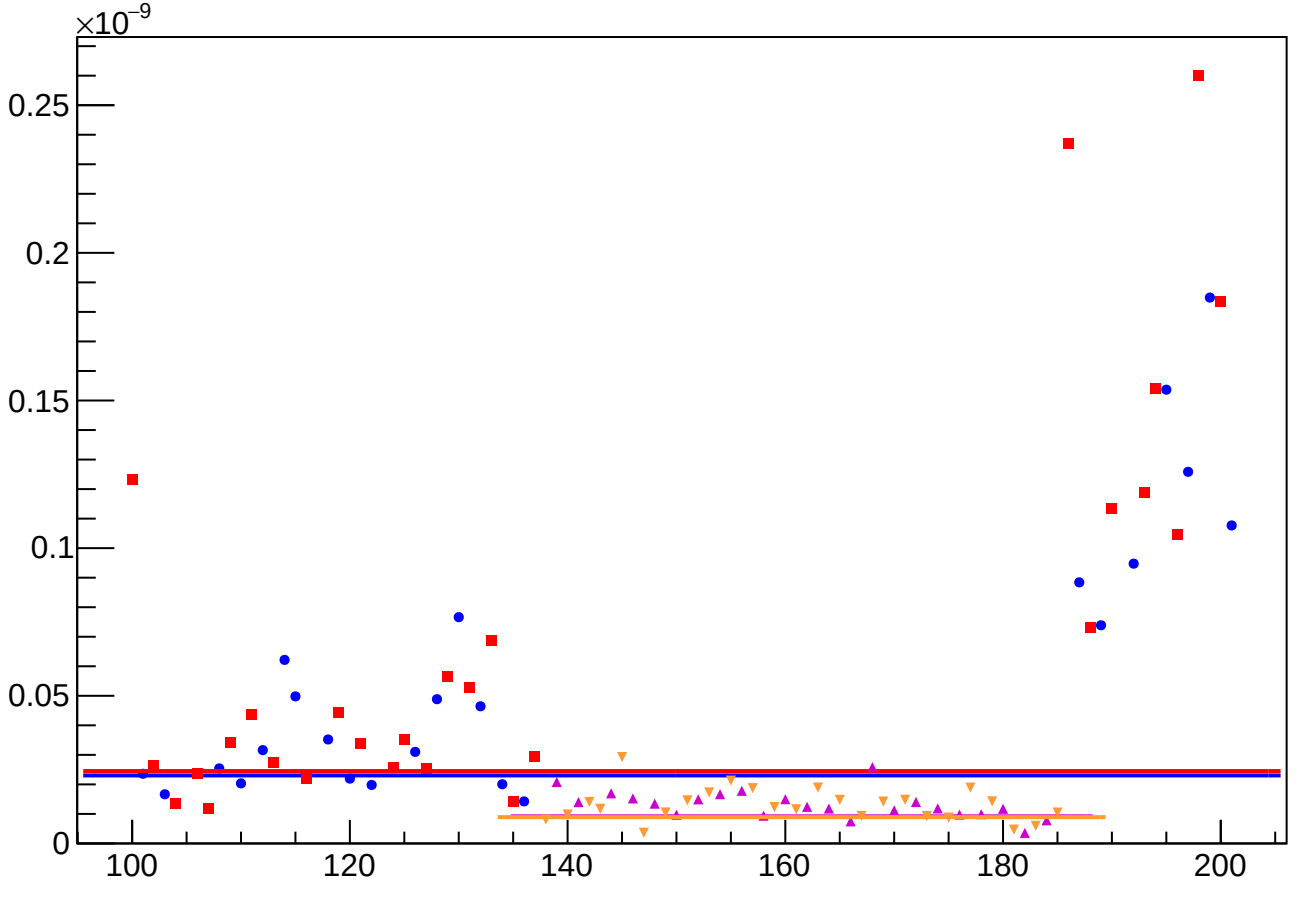
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/49

In: -0.000+/-0.000 χ^2/NDF:57.1/45

Out: -0.000+/-0.000 χ^2/NDF:47.3/51

All: -0.000+/-0.000 χ^2/NDF: 105.3/97



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: 6213003.3/26

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

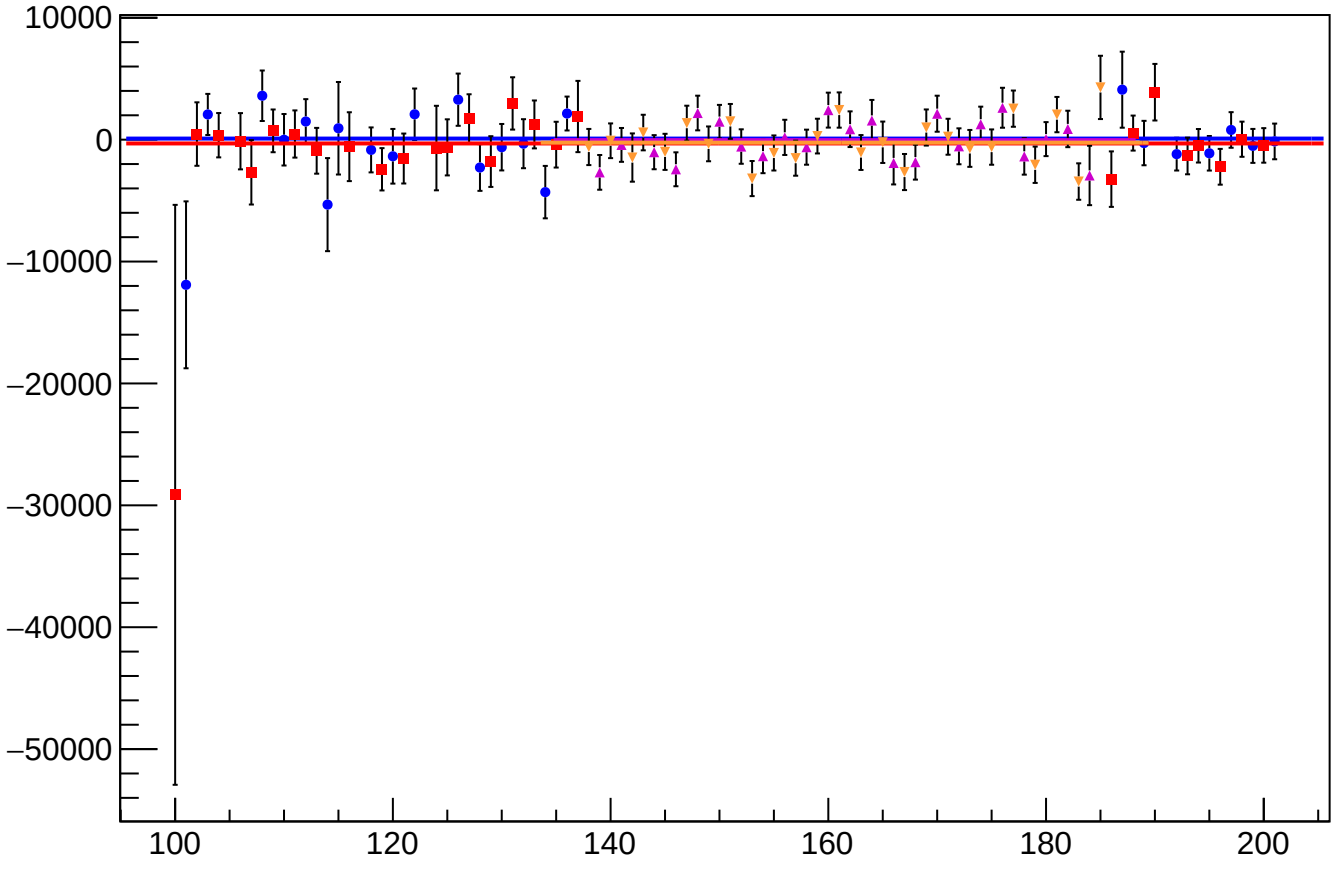
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10966422.8/49

In: 0.000+/-0.000 χ^2/NDF:12697603.5/45

Out: 0.000+/-0.000 χ^2/NDF:14601303.7/51

All: 0.000+/-0.000 χ^2/NDF: 27309858.3/97



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: -310.740+/-371.092 χ^2/NDF: 17.6/26

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

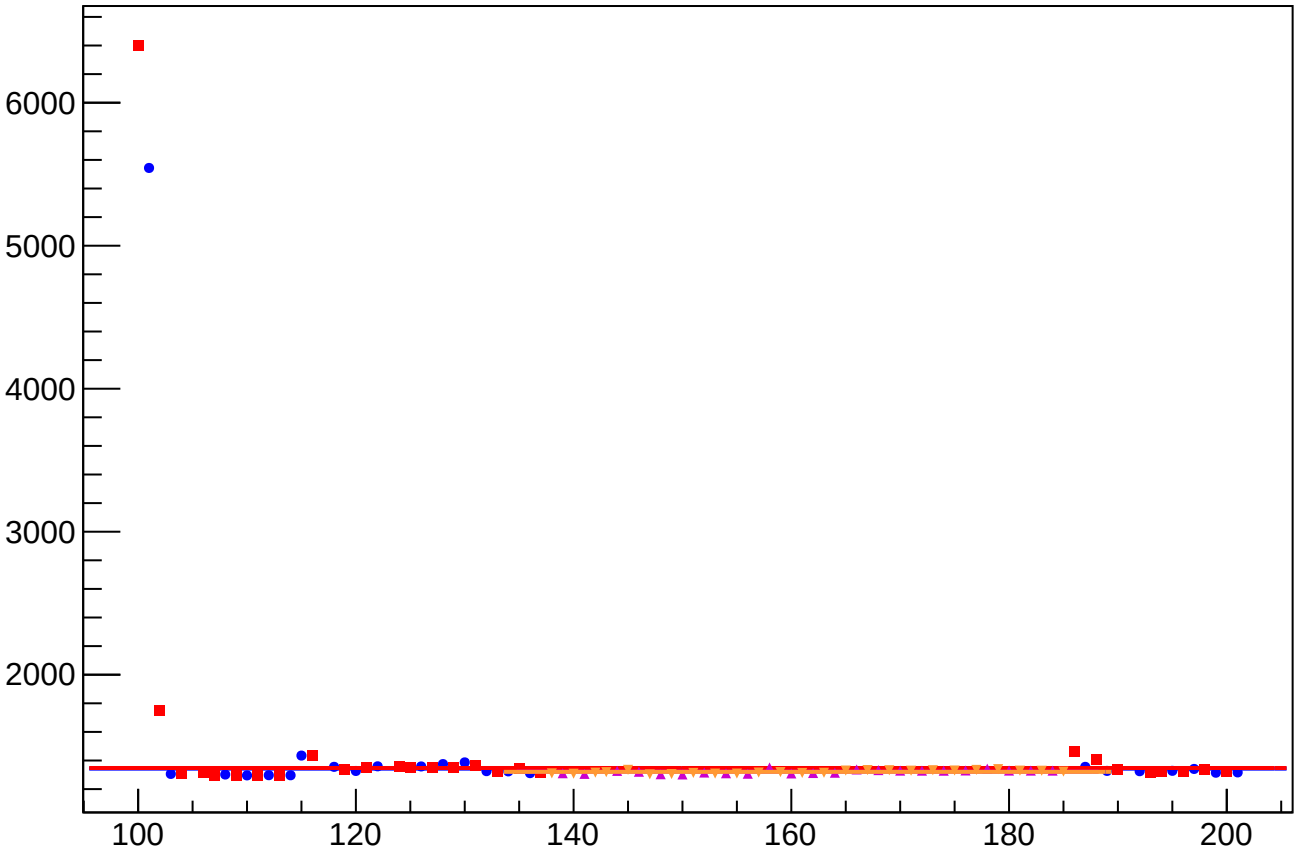
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -119.839+/-268.240 χ^2/NDF: 43.8/49

In: 10.518+/-241.576 χ^2/NDF:52.8/45

Out: -268.488+/-233.302 χ^2/NDF:49.4/51

All: -133.845+/-167.818 χ^2/NDF: 102.9/97



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: 1347.693+/-0.262 χ^2/NDF: 158561.9/26

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

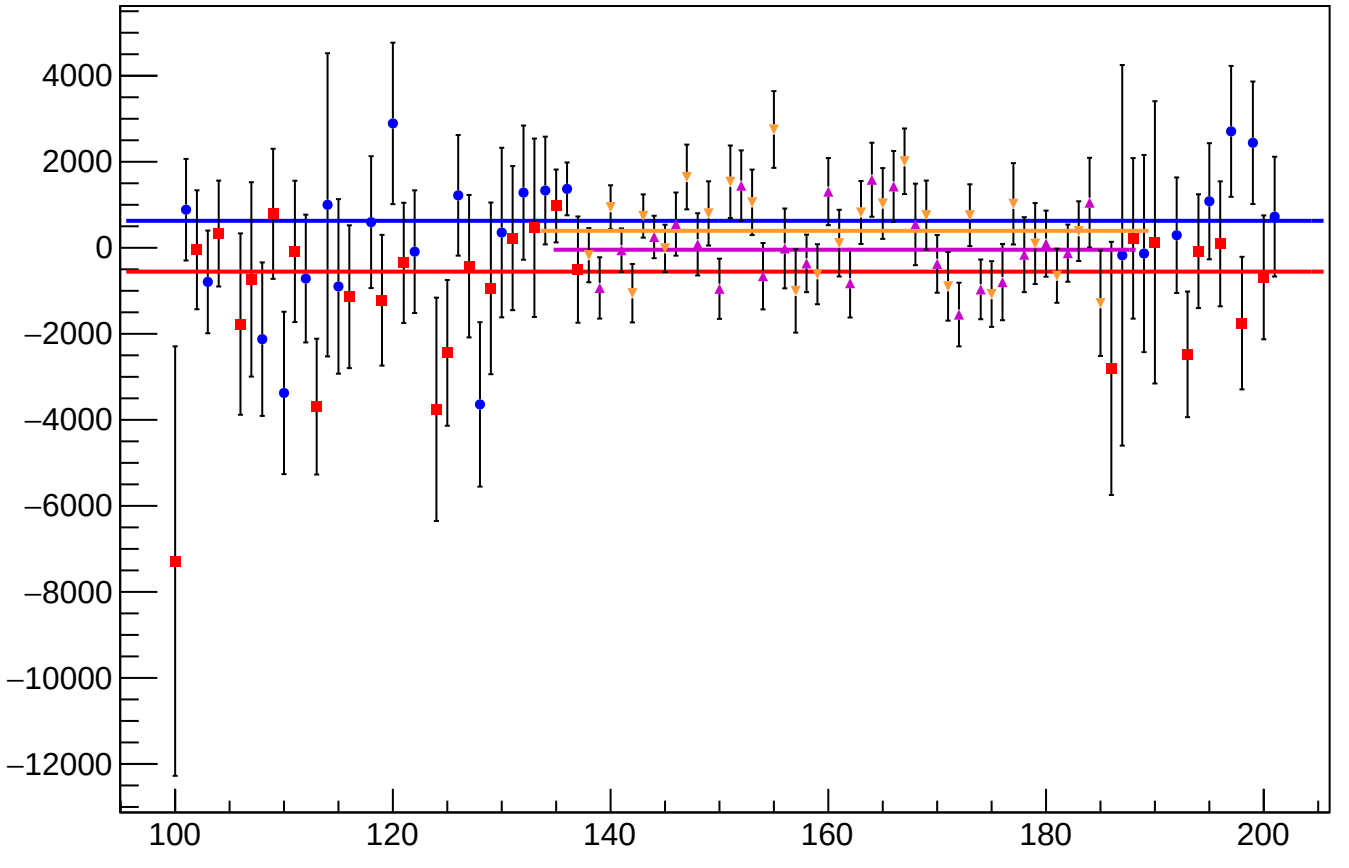
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.559+/-0.190 χ^2/NDF: 922530.6/49

In: 1330.086+/-0.171 χ^2/NDF:771121.8/45

Out: 1331.393+/-0.165 χ^2/NDF:167544.6/51

All: 1330.763+/-0.119 χ^2/NDF: 938696.8/97



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: -554.068+/-303.991 χ^2/NDF: 18.0/26

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

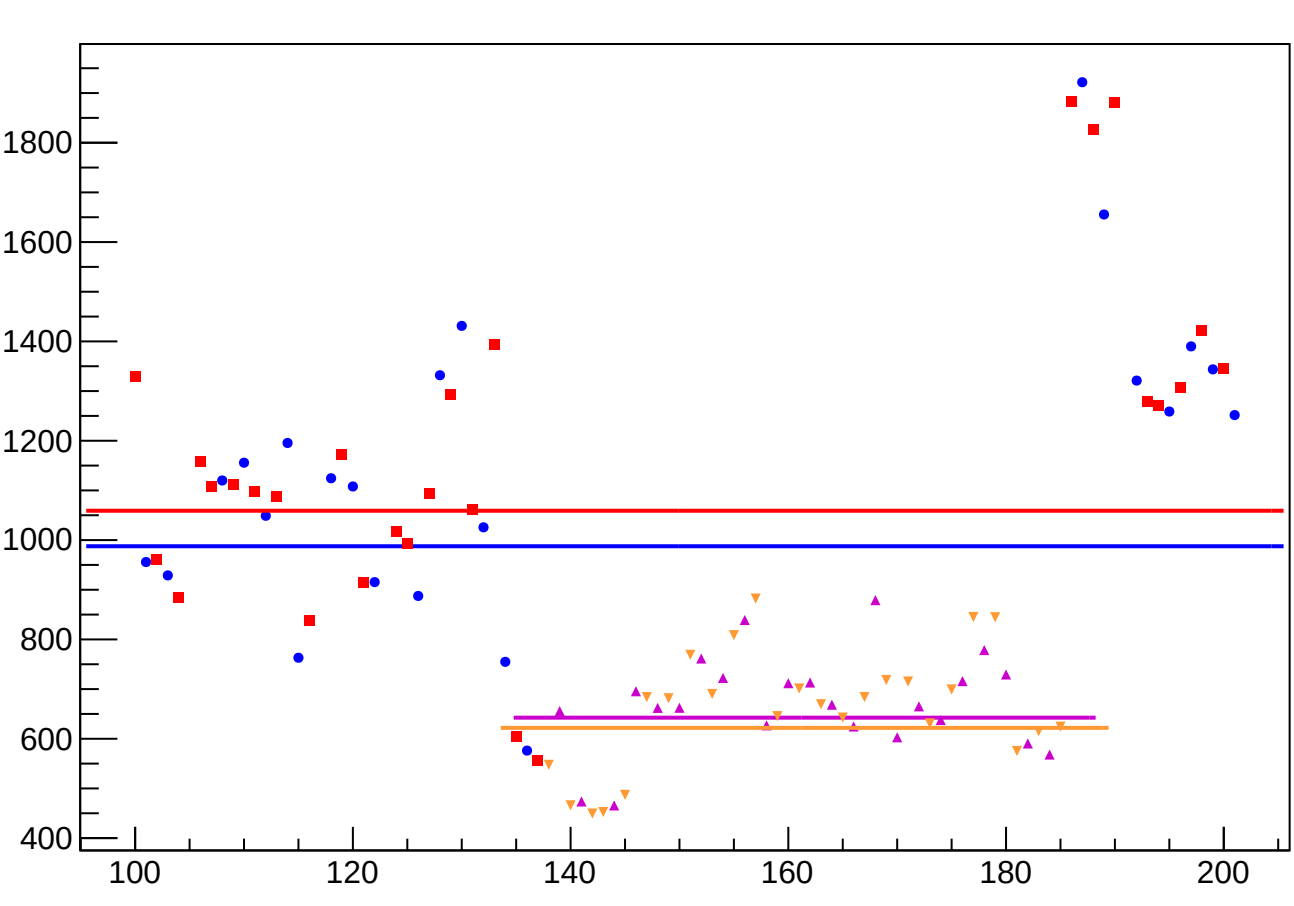
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 55.017+/-211.593 χ^2/NDF: 48.1/49

In: 96.963+/-135.323 χ^2/NDF:54.1/45

Out: 219.591+/-130.552 χ^2/NDF:67.7/51

All: 160.477+/-93.956 χ^2/NDF: 122.2/97



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: 1059.097+/-0.215 χ^2/NDF: 2090004.2/26

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

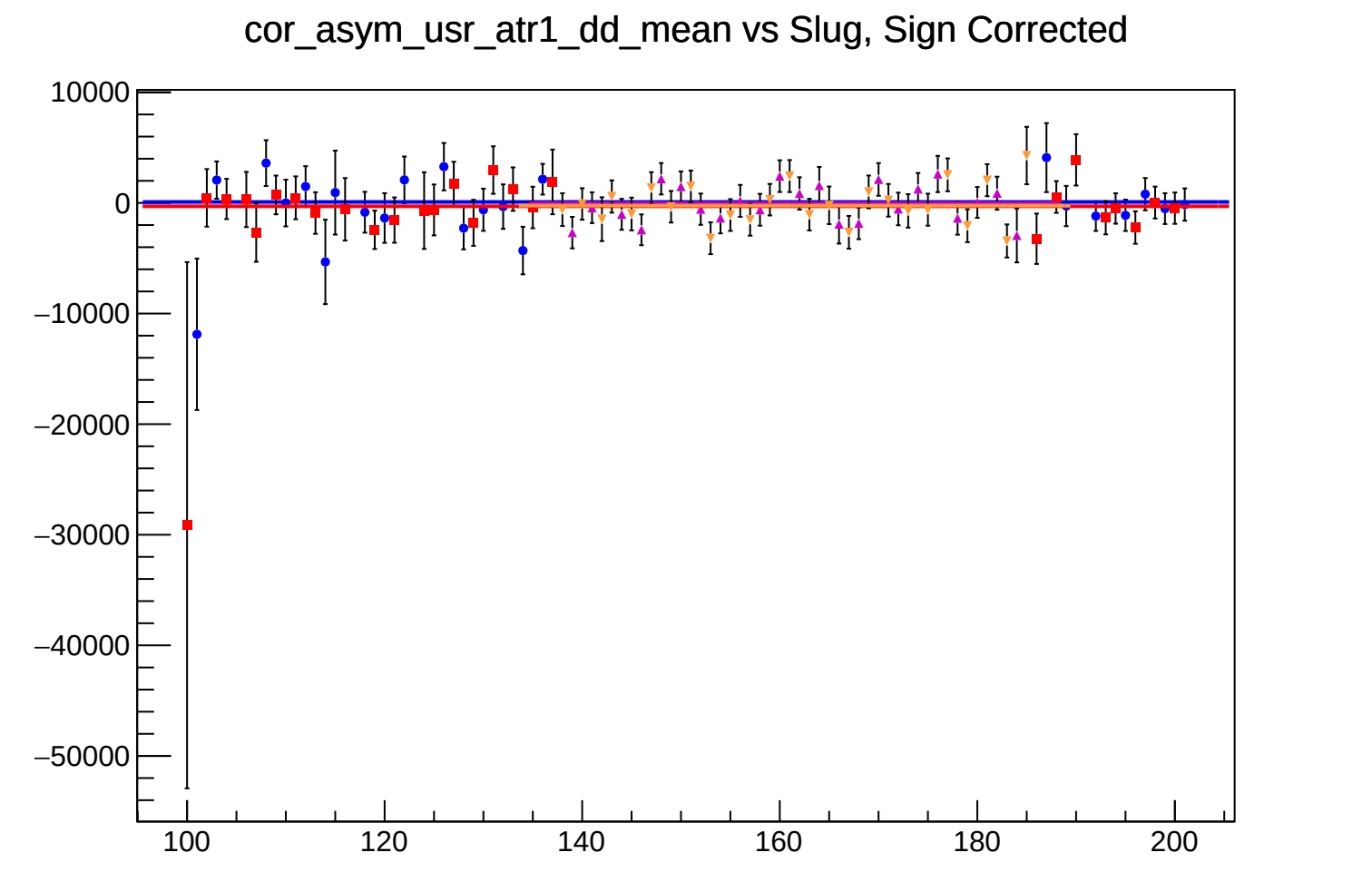
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1022.240+/-0.150 χ^2/NDF: 4188076.4/49

In: 715.243+/-0.096 χ^2/NDF:5132062.7/45

Out: 702.575+/-0.092 χ^2/NDF:6846516.3/51

All: 708.682+/-0.066 χ^2/NDF: 11987655.7/97



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: -301.741+/-371.785 χ^2/NDF: 17.7/26

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

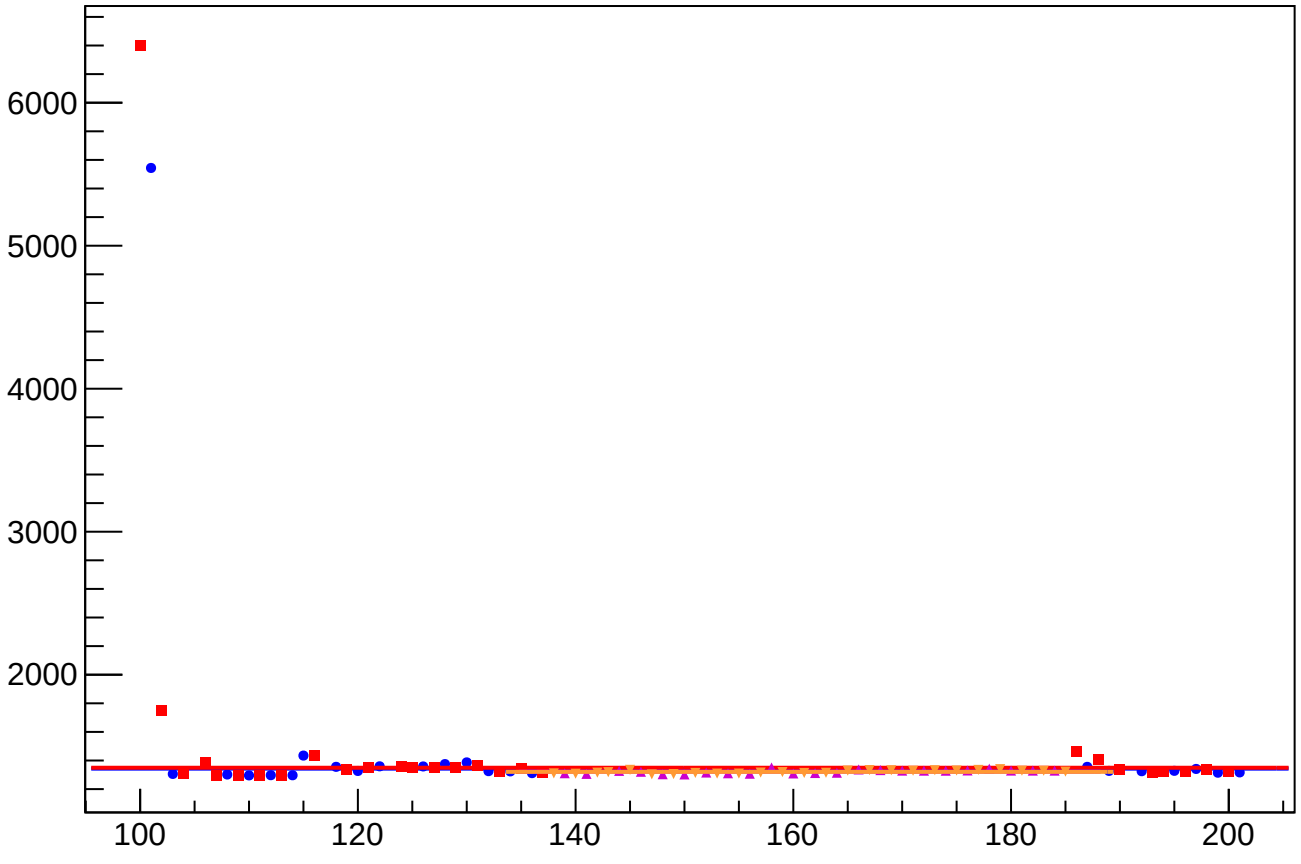
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -114.712+/-268.502 χ^2/NDF: 43.8/49

In: 10.524+/-241.576 χ^2/NDF:52.8/45

Out: -264.878+/-233.474 χ^2/NDF:49.4/51

All: -131.873+/-167.882 χ^2/NDF: 102.9/97



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: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

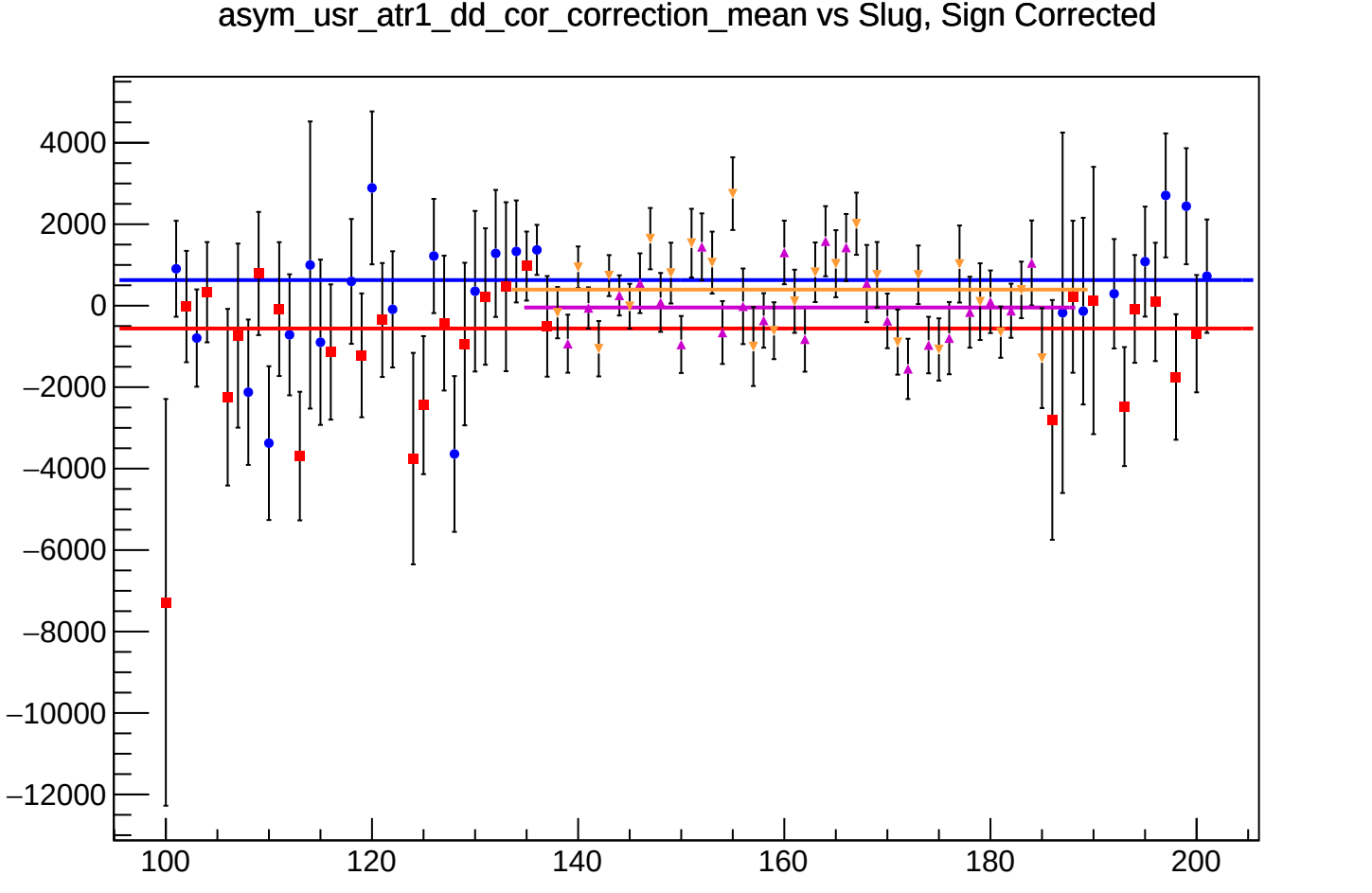
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

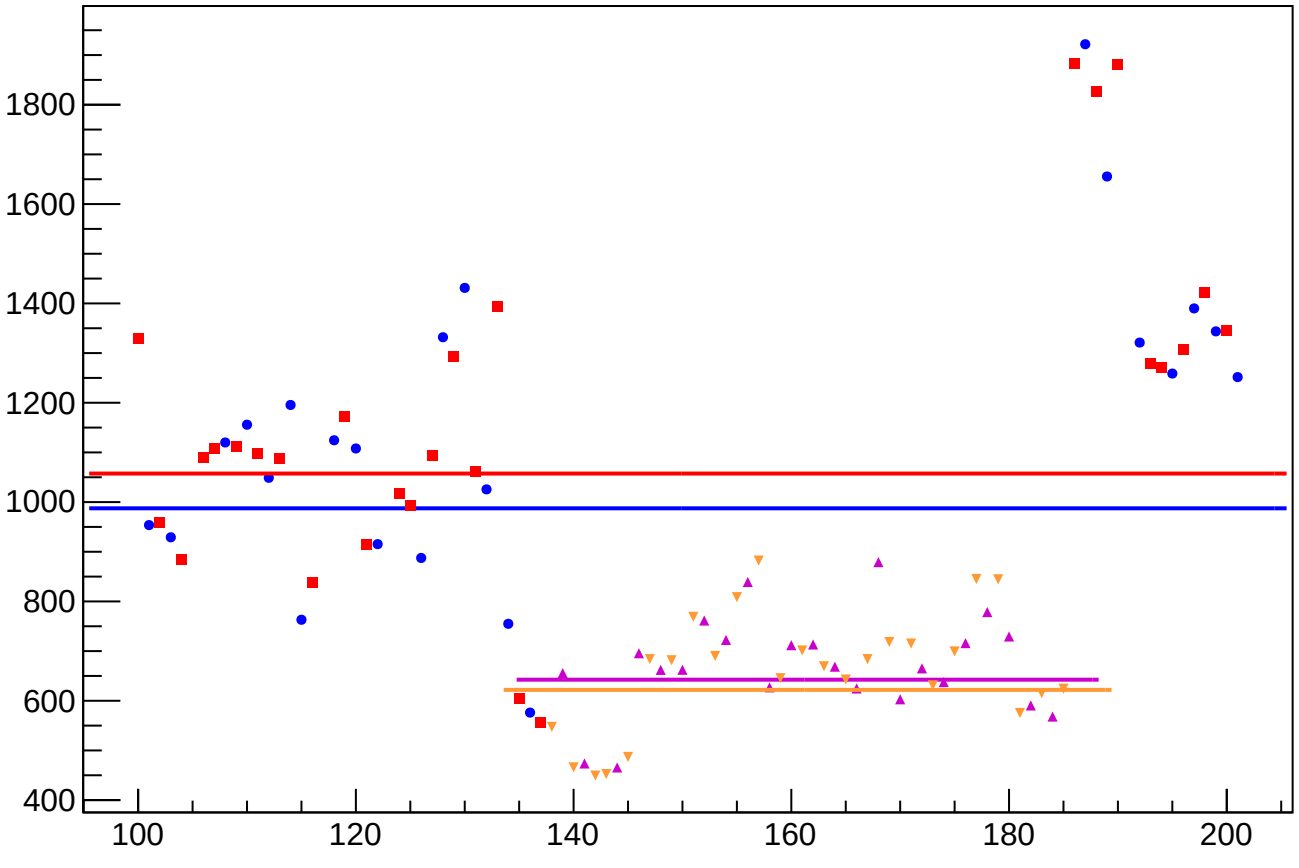
Right: 1346.439+/-0.190 χ^2/NDF: 922813.1/49

In: 1330.086+/-0.171 χ^2/NDF:771120.9/45

Out: 1332.038+/-0.165 χ^2/NDF:168515.2/51

All: 1331.095+/-0.119 χ^2/NDF: 939703.5/97


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 628.711+/-294.663 χ²/NDF: 22.4/22
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -560.261+/-303.994 χ²/NDF: 18.2/26
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 52.753+/-211.580 χ²/NDF: 48.5/49
In: 97.266+/-135.319 χ²/NDF:54.1/45
Out: 218.430+/-130.552 χ²/NDF:68.1/51
All: 160.020+/-93.954 χ²/NDF: 122.7/97



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: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

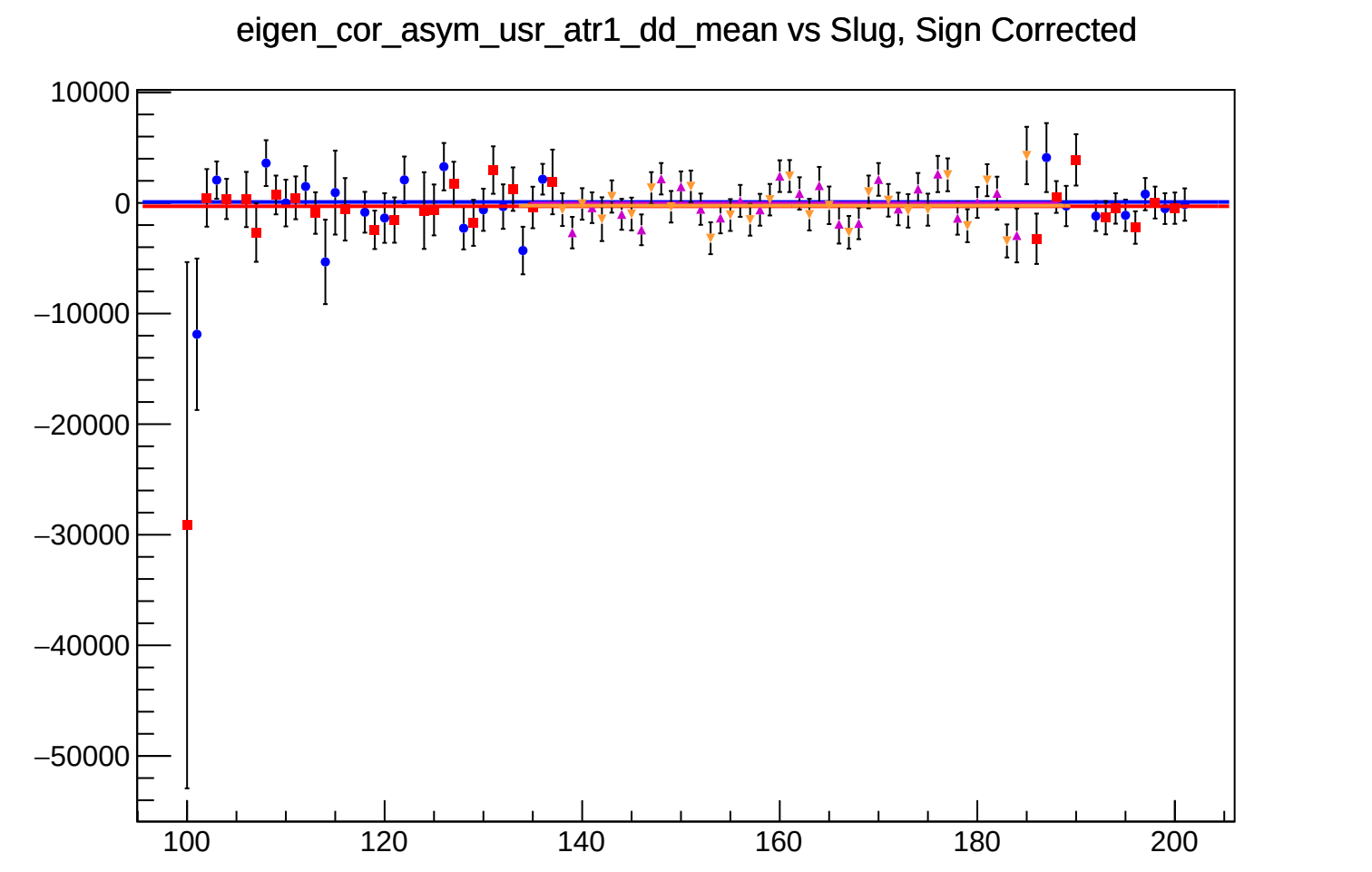
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1021.383+/-0.150 χ^2/NDF: 4182416.4/49

In: 715.226+/-0.096 χ^2/NDF:5131159.8/45

Out: 702.274+/-0.092 χ^2/NDF:6817891.1/51

All: 708.518+/-0.066 χ^2/NDF: 11958541.1/97



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: -301.741+/-371.785 χ^2/NDF: 17.7/26

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

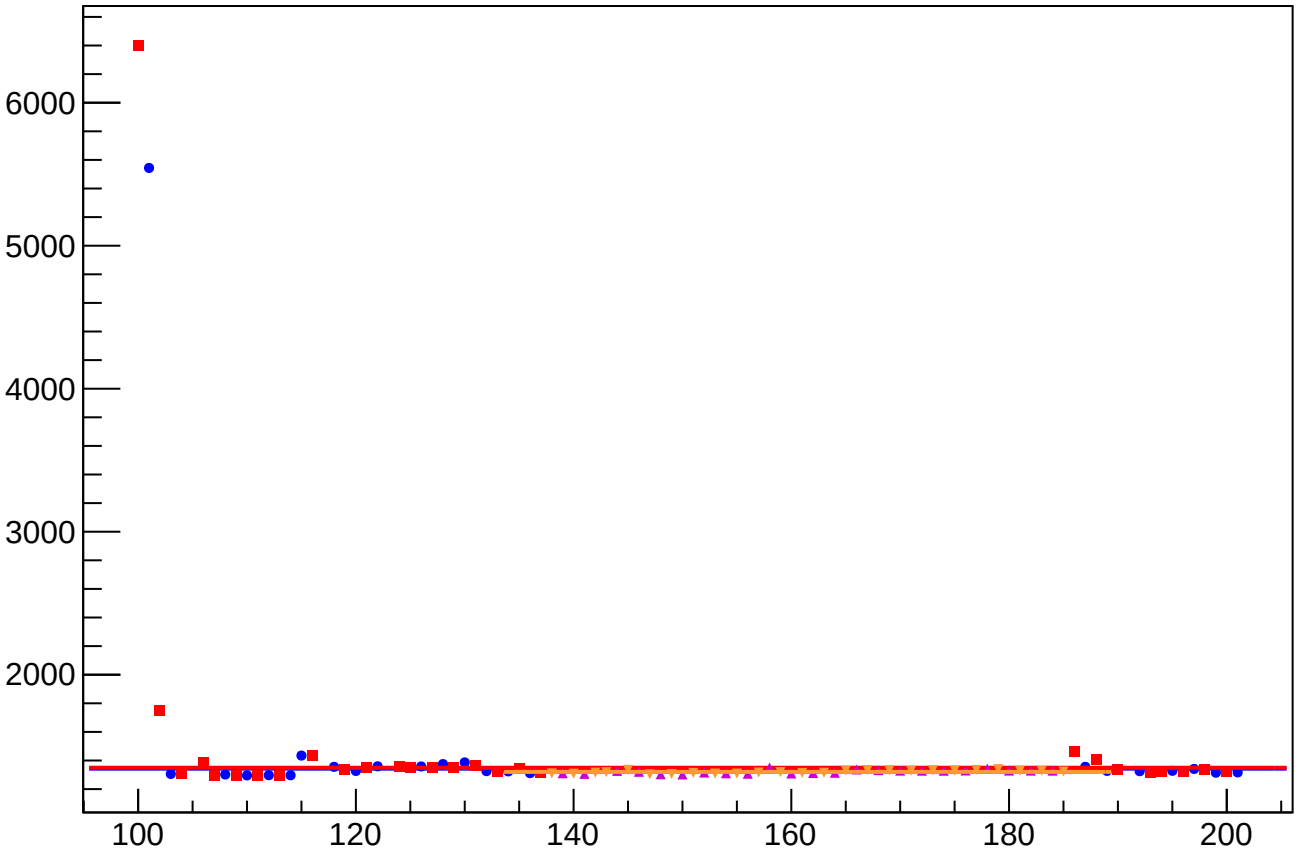
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -114.712+/-268.502 χ^2/NDF: 43.8/49

In: 10.524+/-241.576 χ^2/NDF:52.8/45

Out: -264.878+/-233.474 χ^2/NDF:49.4/51

All: -131.873+/-167.882 χ^2/NDF: 102.9/97



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: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

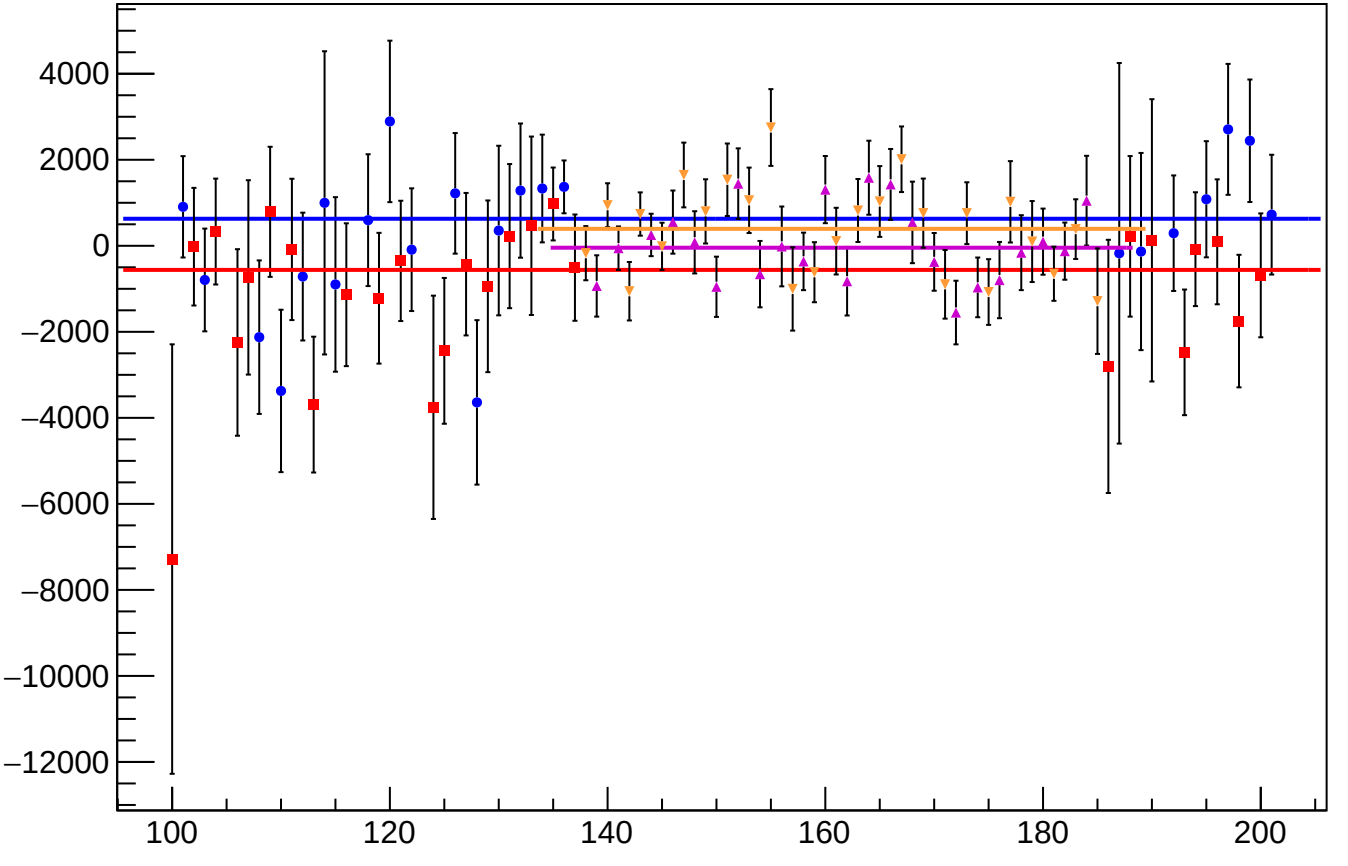
Right: 1346.439+/-0.190 χ^2/NDF: 922813.1/49

In: 1330.086+/-0.171 χ^2/NDF:771120.9/45

Out: 1332.038+/-0.165 χ^2/NDF:168515.2/51

All: 1331.095+/-0.119 χ^2/NDF: 939703.5/97

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -560.261+/-303.994 χ^2/NDF: 18.2/26

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

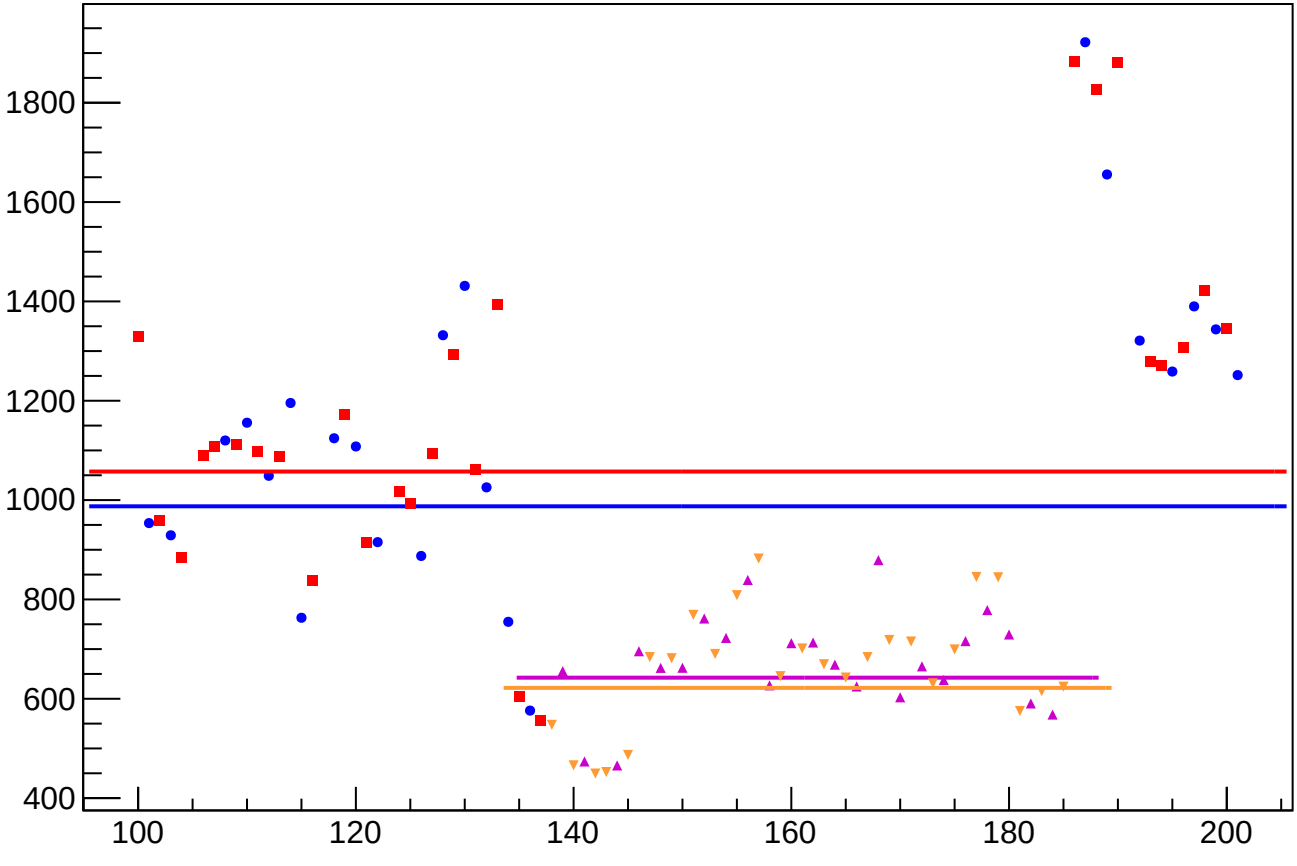
Right: 52.753+/-211.580 χ^2/NDF: 48.5/49

In: 97.266+/-135.319 χ^2/NDF:54.1/45

Out: 218.430+/-130.552 χ^2/NDF:68.1/51

All: 160.020+/-93.954 χ^2/NDF: 122.7/97

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

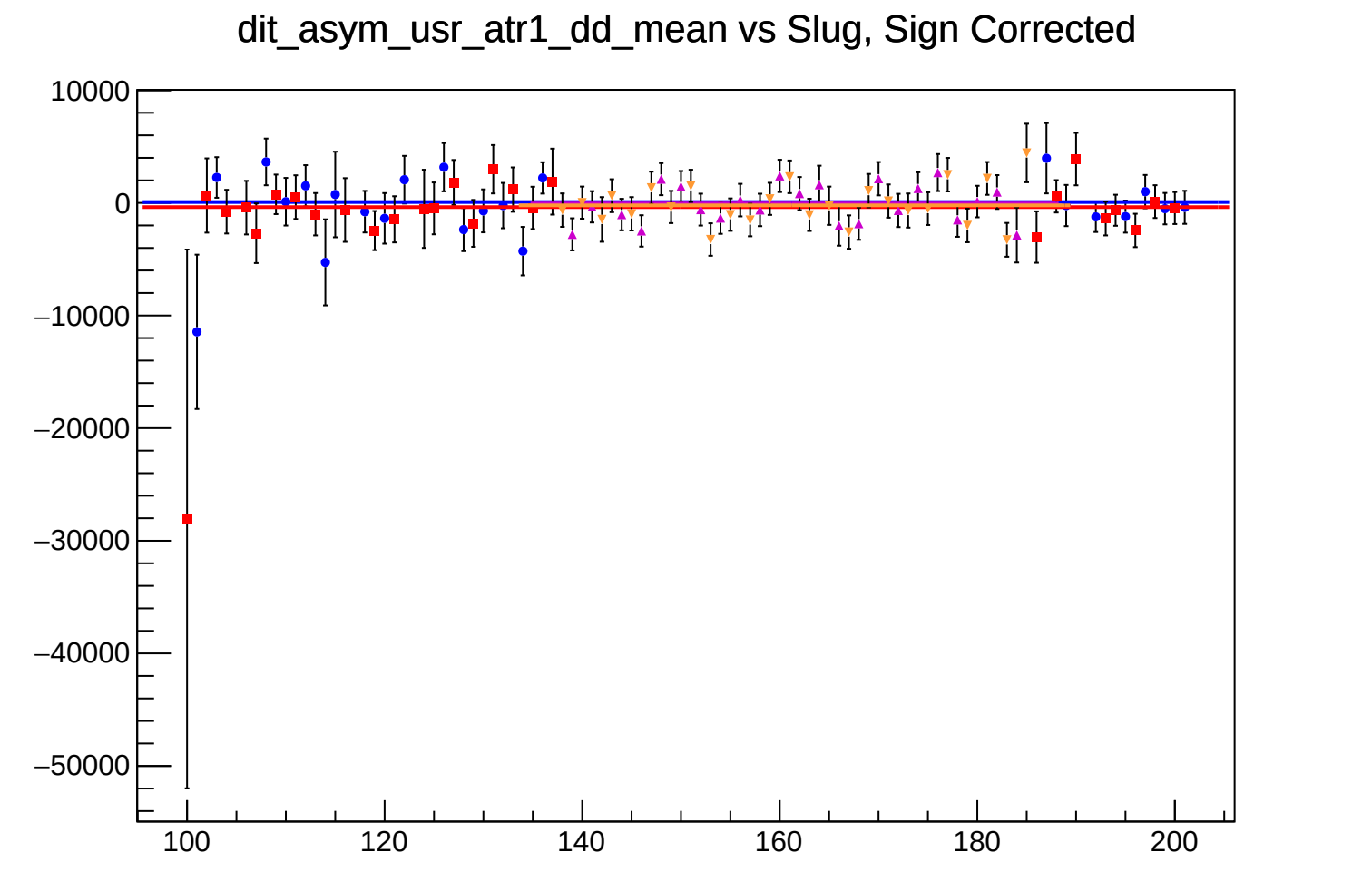
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1021.383+/-0.150 χ^2/NDF: 4182416.4/49

In: 715.226+/-0.096 χ^2/NDF:5131159.8/45

Out: 702.274+/-0.092 χ^2/NDF:6817891.1/51

All: 708.518+/-0.066 χ^2/NDF: 11958541.1/97



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: -373.852+/-374.518 χ^2/NDF: 17.8/26

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

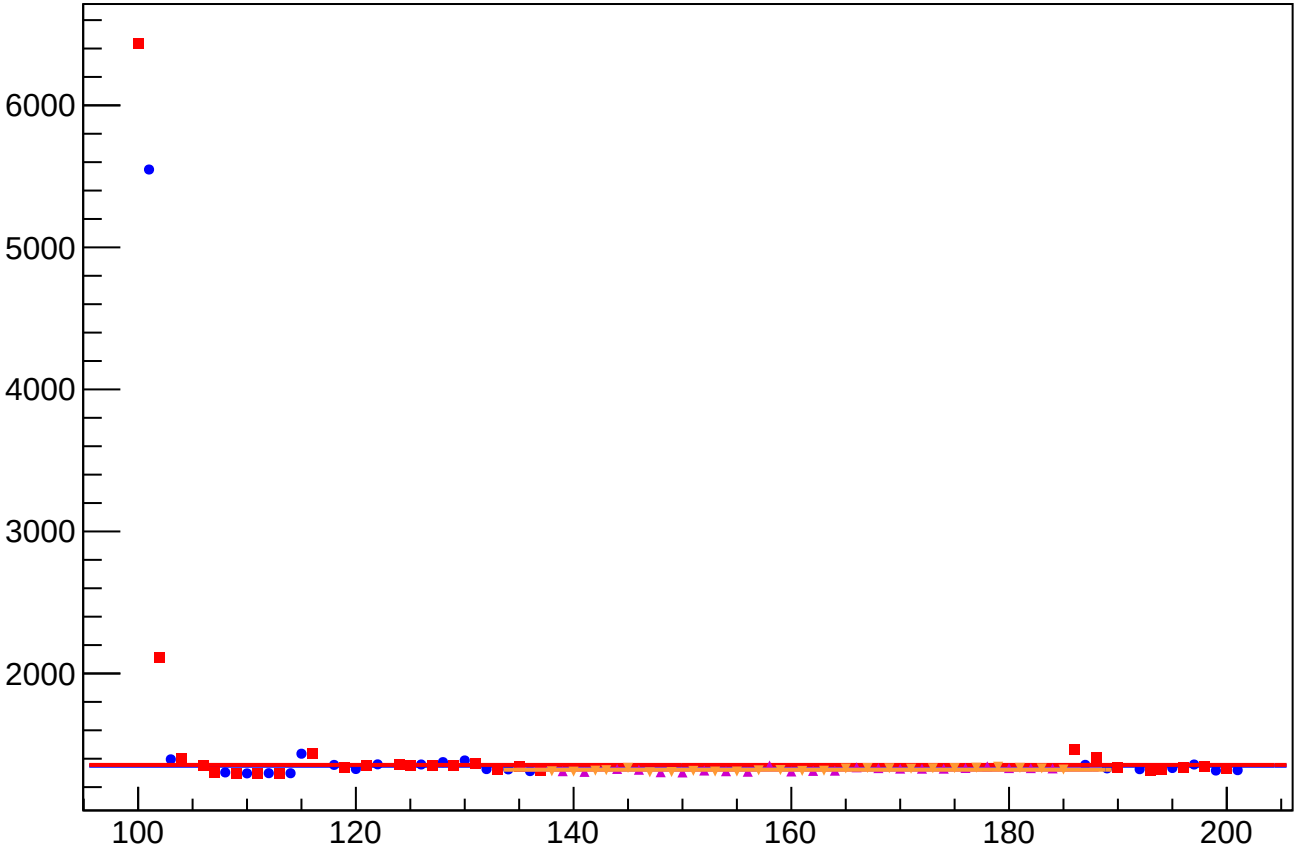
Right: -158.016+/-270.235 χ^2/NDF: 44.3/49

In: -1.451+/-242.262 χ^2/NDF:53.7/45

Out: -277.204+/-234.323 χ^2/NDF:49.2/51

All: -143.920+/-168.428 χ^2/NDF: 103.5/97

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: 1356.358+/-0.265 χ^2/NDF: 216499.6/26

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

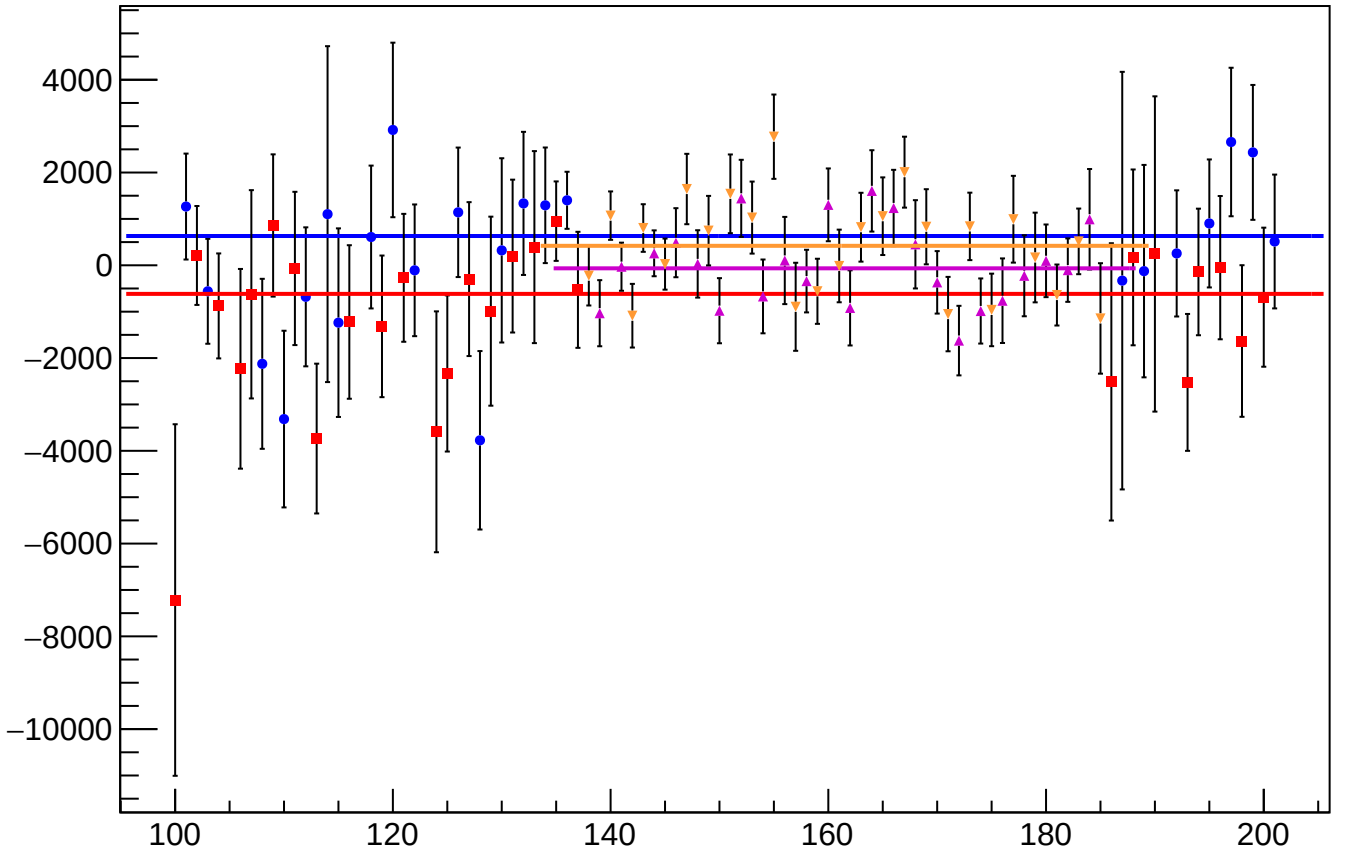
Right: 1353.575+/-0.191 χ^2/NDF: 980549.1/49

In: 1333.822+/-0.171 χ^2/NDF:773652.9/45

Out: 1335.674+/-0.166 χ^2/NDF:229456.0/51

All: 1334.779+/-0.119 χ^2/NDF: 1003169.3/97

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



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: -616.352+/-300.696 χ^2/NDF: 18.6/26

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

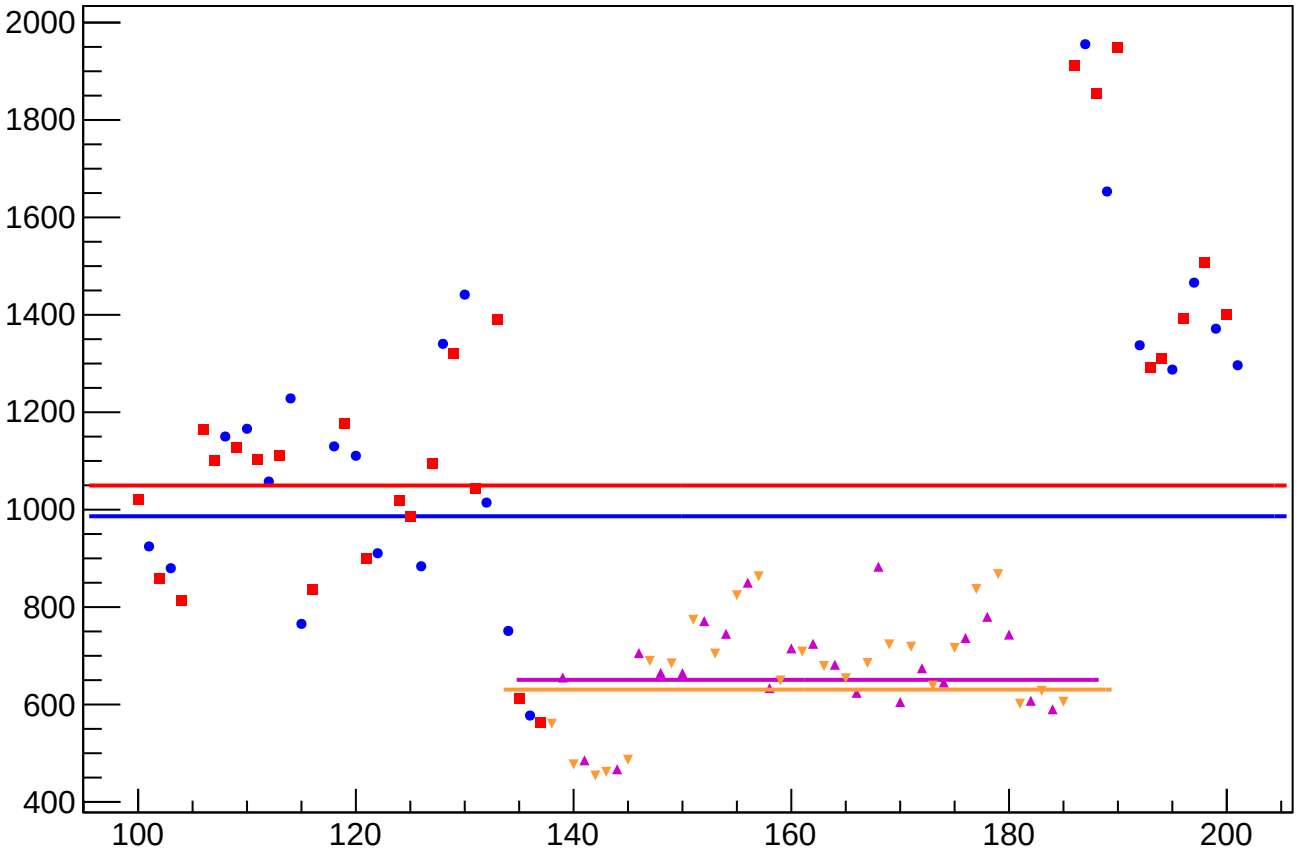
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 19.188+/-210.634 χ^2/NDF: 49.6/49

In: 84.064+/-136.688 χ^2/NDF:53.6/45

Out: 221.253+/-131.654 χ^2/NDF:69.8/51

All: 155.231+/-94.823 χ^2/NDF: 124.0/97



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: 1049.617+/-0.213 χ^2/NDF: 2318508.3/26

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

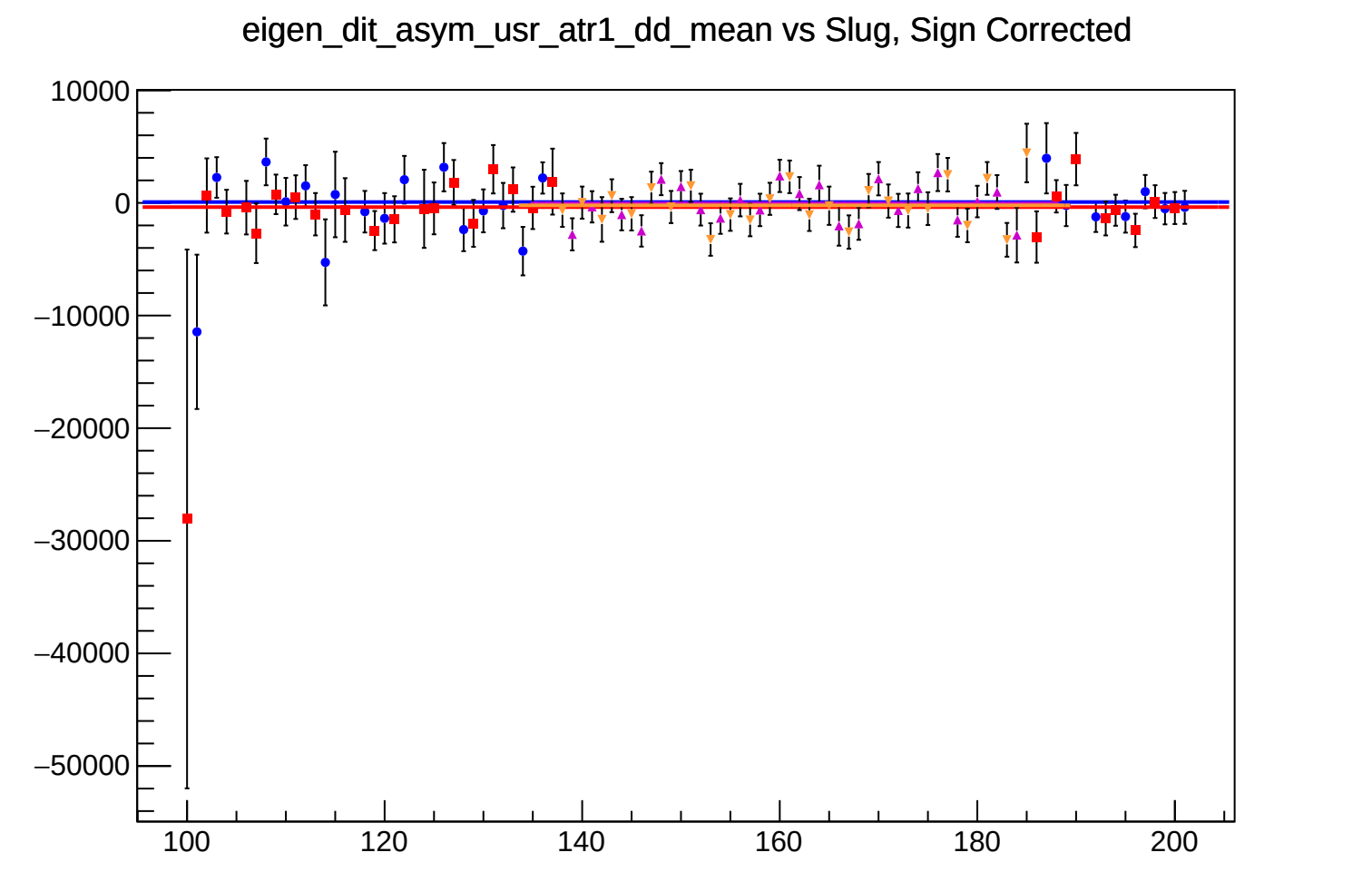
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1017.452+/-0.149 χ^2/NDF: 4532952.4/49

In: 722.666+/-0.097 χ^2/NDF:5125588.3/45

Out: 710.917+/-0.093 χ^2/NDF:6786380.5/51

All: 716.572+/-0.067 χ^2/NDF: 11919633.9/97



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: -373.851+/-374.518 χ^2/NDF: 17.8/26

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

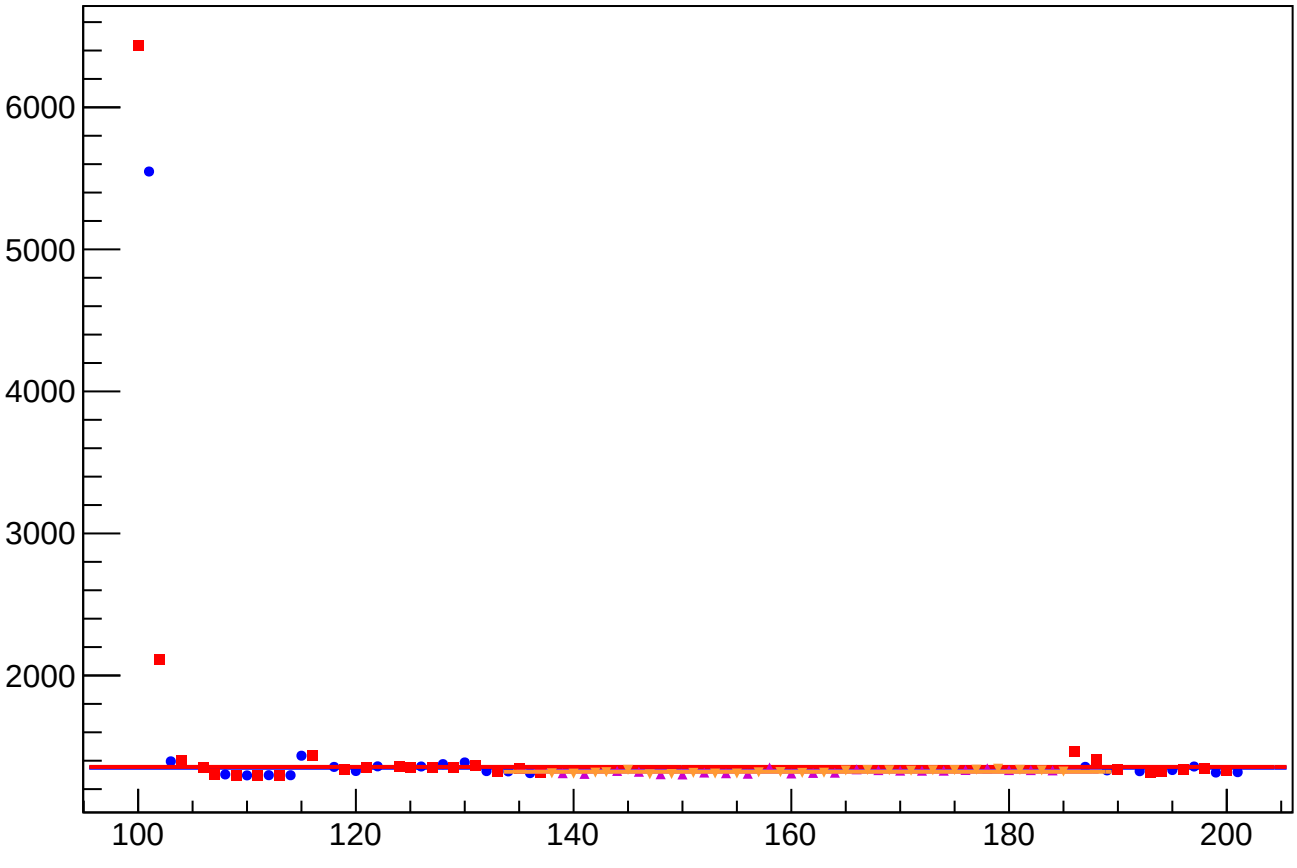
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -158.016+/-270.235 χ^2/NDF: 44.3/49

In: -1.451+/-242.262 χ^2/NDF:53.7/45

Out: -277.205+/-234.323 χ^2/NDF:49.2/51

All: -143.920+/-168.428 χ^2/NDF: 103.5/97



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: 1356.358+/-0.265 χ^2/NDF: 216499.5/26

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

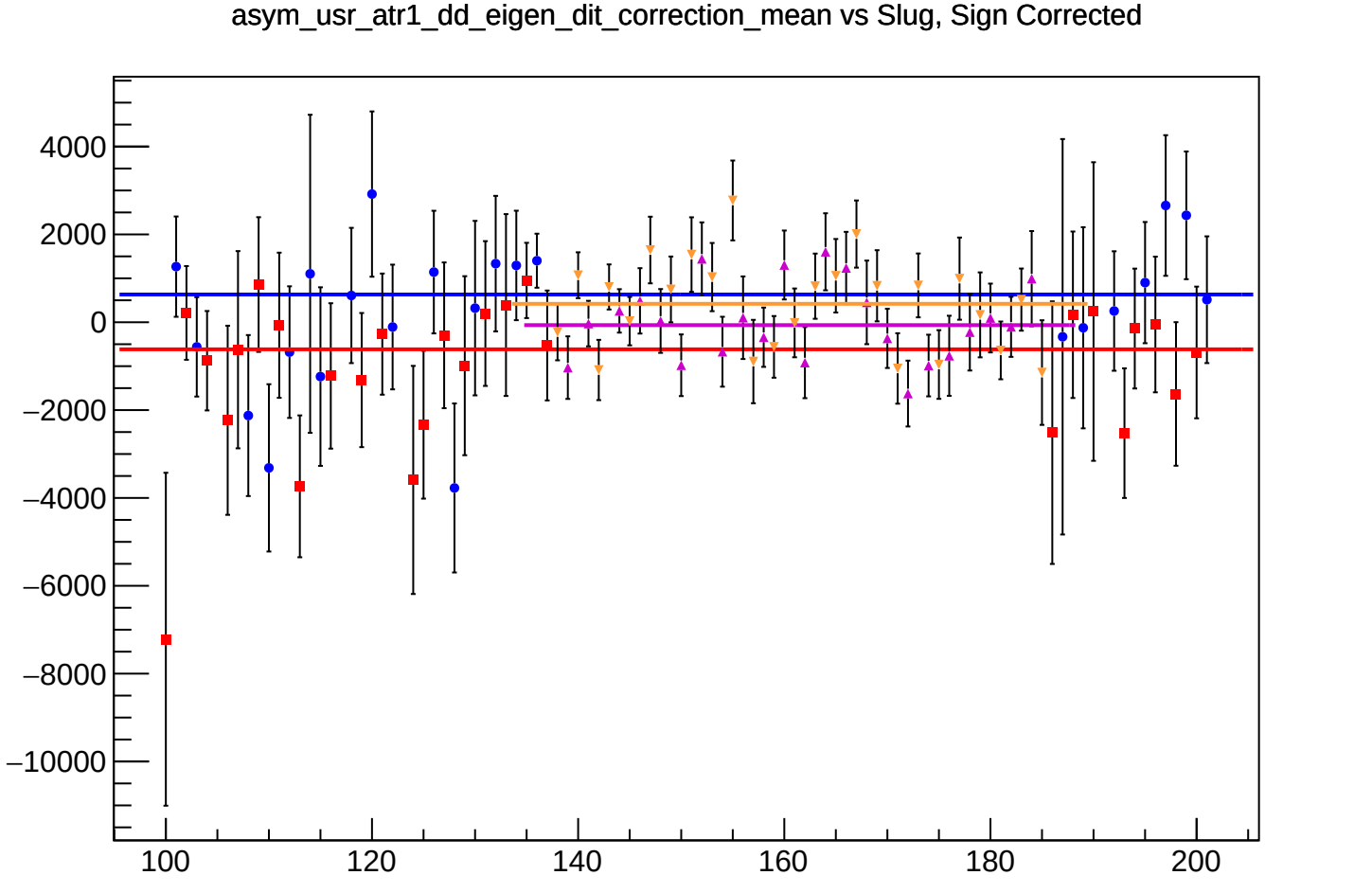
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1353.575+/-0.191 χ^2/NDF: 980549.0/49

In: 1333.822+/-0.171 χ^2/NDF:773652.8/45

Out: 1335.674+/-0.166 χ^2/NDF:229455.9/51

All: 1334.779+/-0.119 χ^2/NDF: 1003169.2/97



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: -616.352+/-300.695 χ^2/NDF: 18.6/26

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

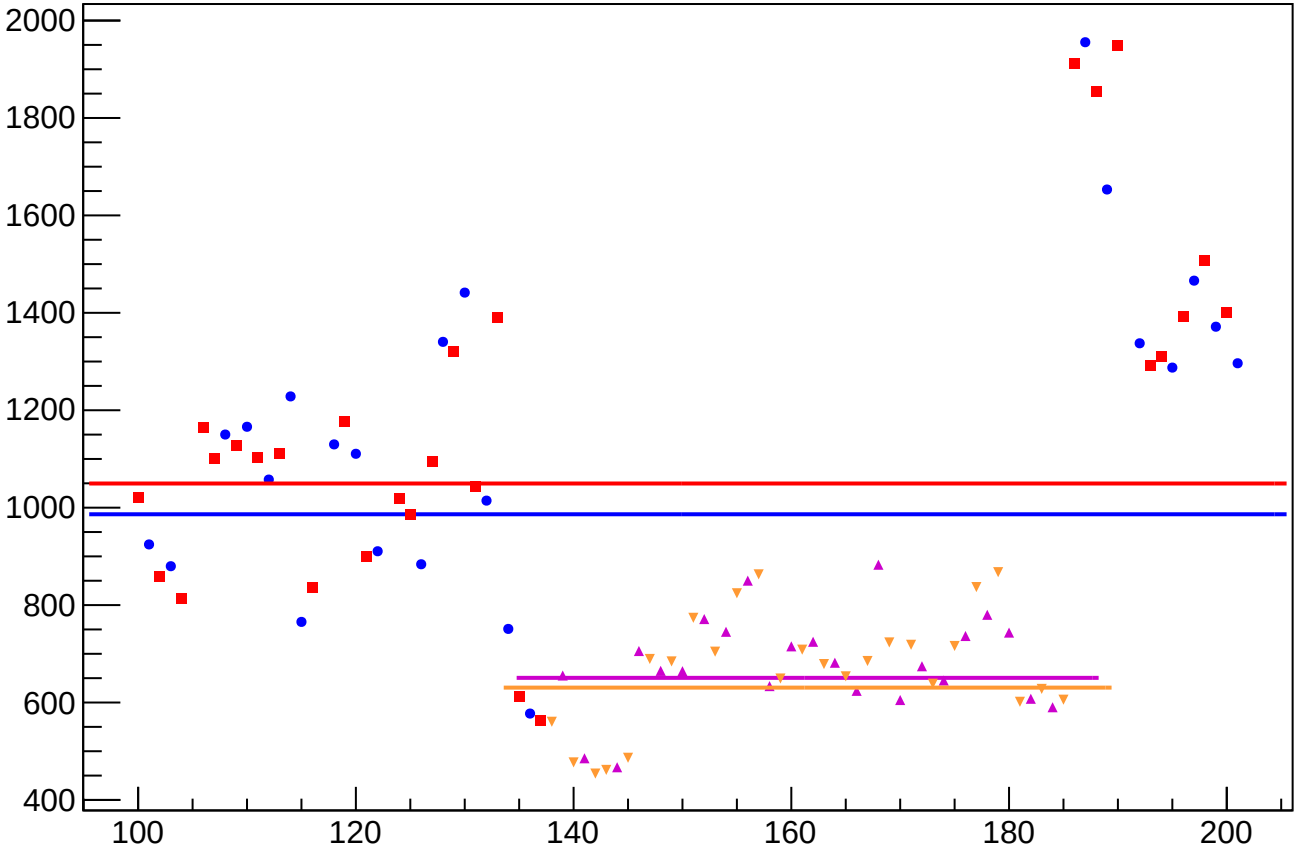
Right: 19.187+/-210.633 χ^2/NDF: 49.6/49

In: 84.065+/-136.688 χ^2/NDF:53.6/45

Out: 221.252+/-131.654 χ^2/NDF:69.8/51

All: 155.231+/-94.823 χ^2/NDF: 124.0/97

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: 1049.615+/-0.213 χ^2/NDF: 2318513.6/26

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

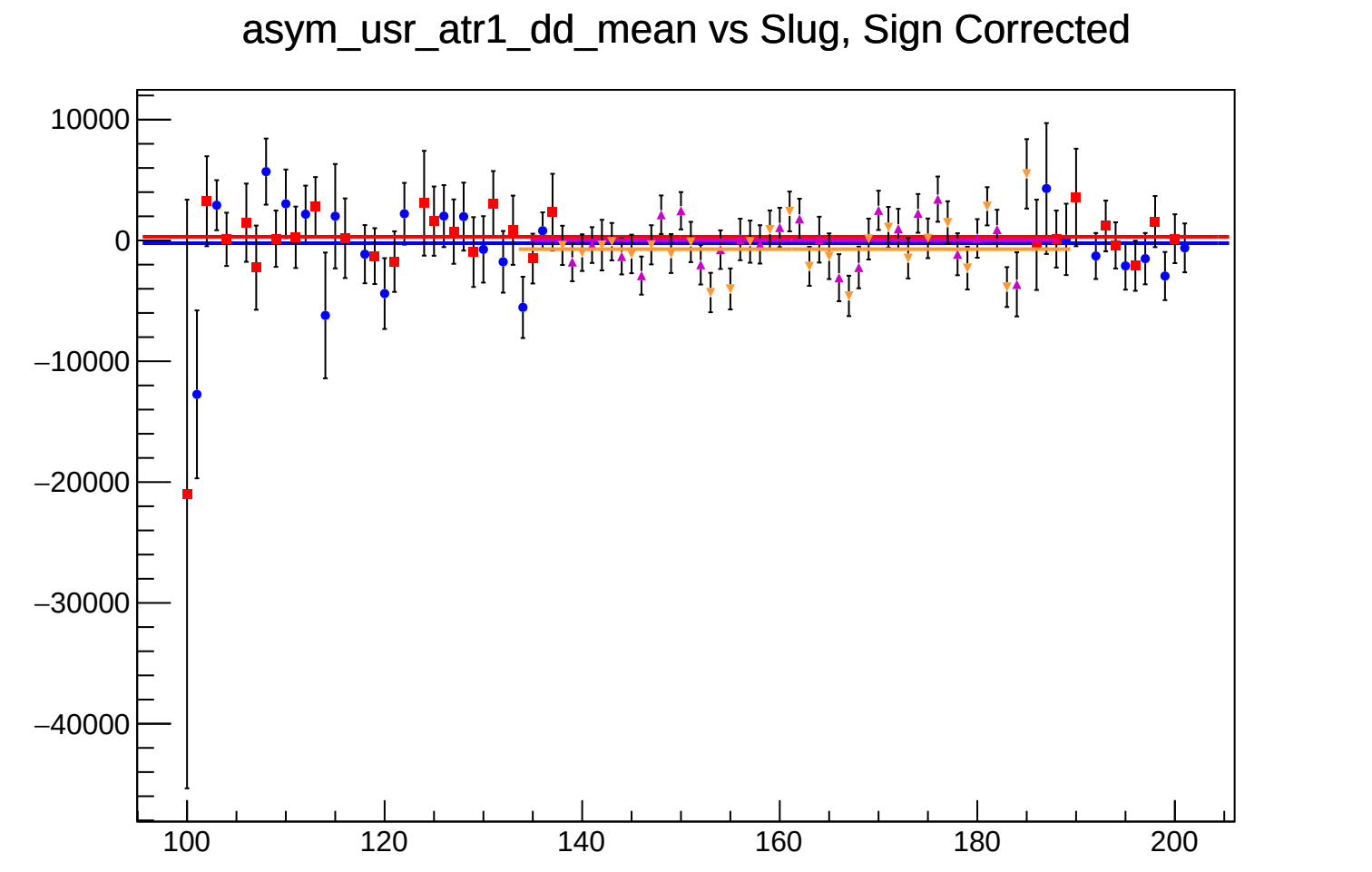
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 1017.450+/-0.149 χ^2/NDF: 4532967.4/49

In: 722.667+/-0.097 χ^2/NDF:5125571.0/45

Out: 710.918+/-0.093 χ^2/NDF:6786376.0/51

All: 716.572+/-0.067 χ^2/NDF: 11919612.4/97



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: 306.456+/-503.810 χ^2/NDF: 10.0/26

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

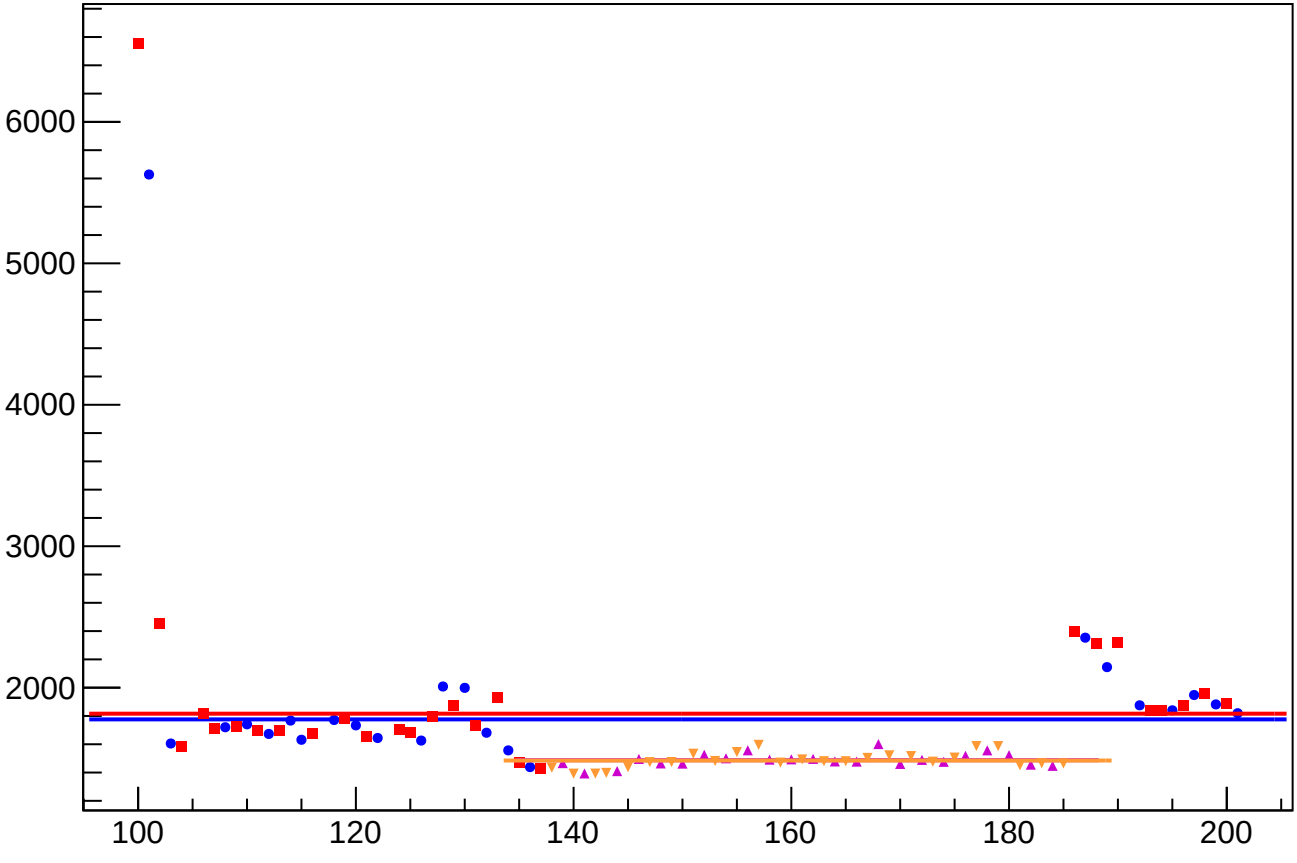
Right: 46.998+/-360.069 χ^2/NDF: 38.6/49

In: -51.158+/-287.973 χ^2/NDF:56.2/45

Out: -400.771+/-280.443 χ^2/NDF:50.6/51

All: -230.595+/-200.913 χ^2/NDF: 107.5/97

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: 1816.084+/-0.356 χ^2/NDF: 460962.5/26

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

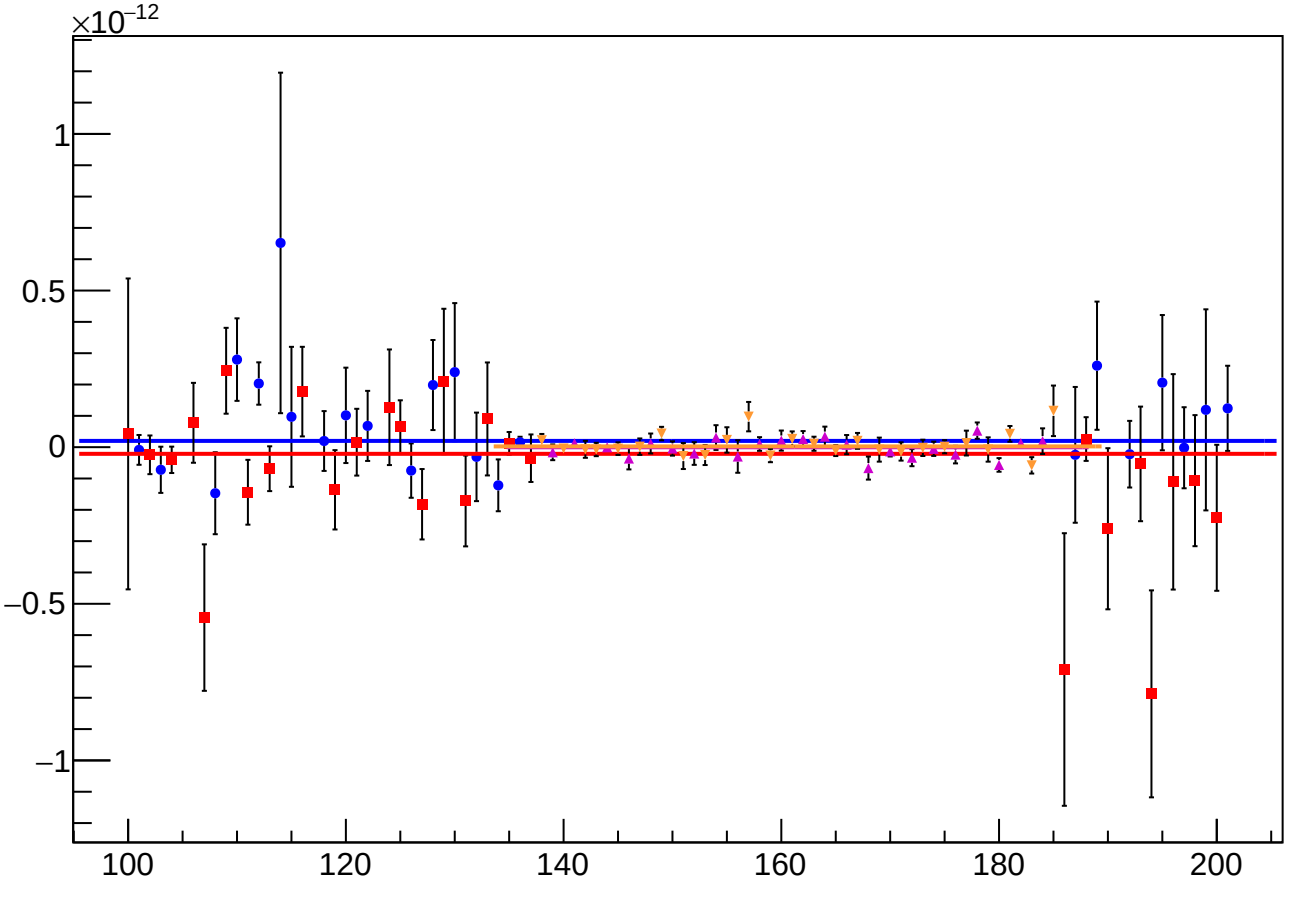
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1796.396+/-0.255 χ^2/NDF: 1338420.3/49

In: 1577.461+/-0.204 χ^2/NDF:1338288.4/45

Out: 1587.560+/-0.198 χ^2/NDF:1108103.6/51

All: 1582.644+/-0.142 χ^2/NDF: 2447654.4/97



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: 31.6/26

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

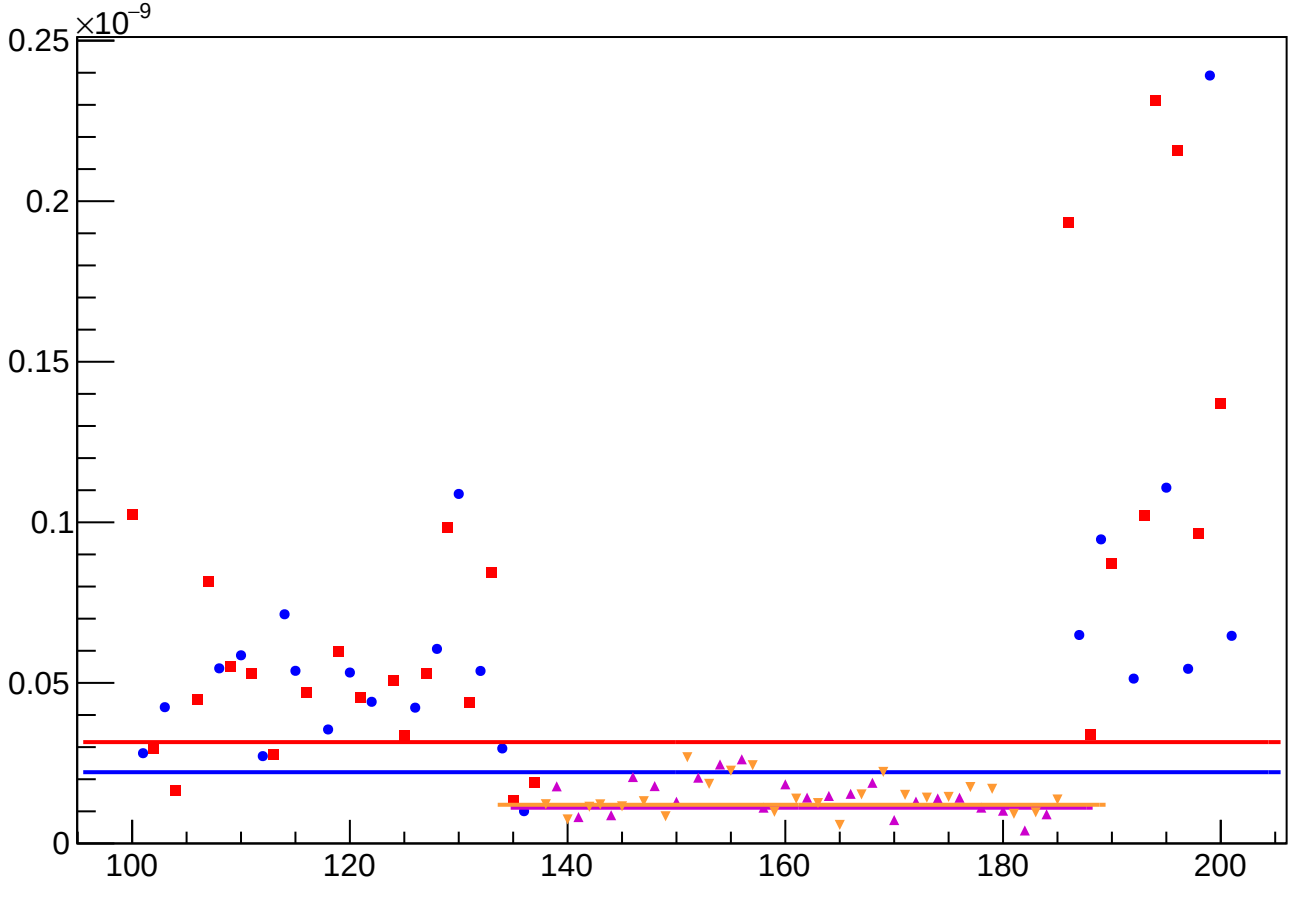
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.5/49

In: 0.000+/-0.000 χ^2/NDF:53.4/45

Out: 0.000+/-0.000 χ^2/NDF:58.6/51

All: 0.000+/-0.000 χ^2/NDF: 112.1/97



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: 4319229.7/26

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

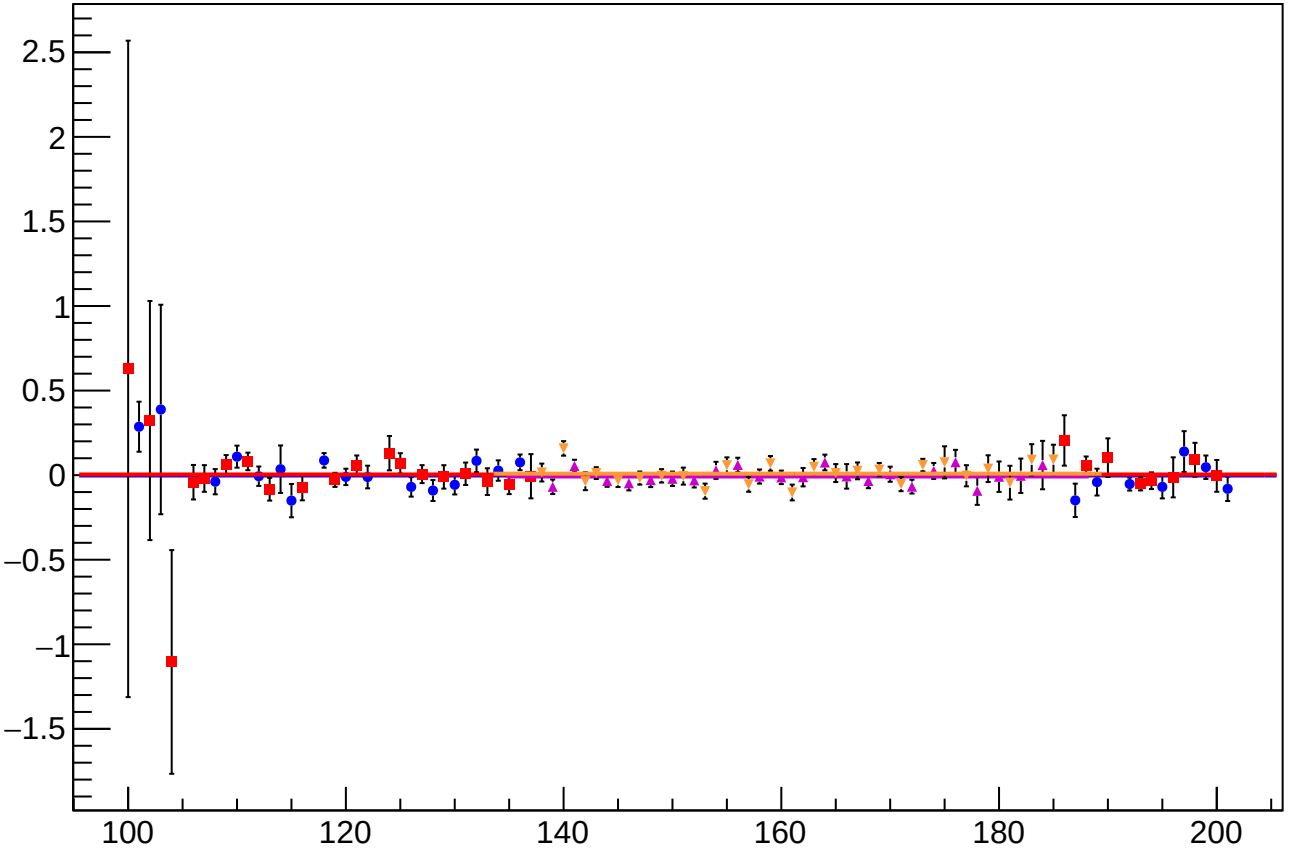
Right: 0.000+/-0.000 χ^2/NDF: 9052542.9/49

In: 0.000+/-0.000 χ^2/NDF:7726068.8/45

Out: 0.000+/-0.000 χ^2/NDF:8001964.5/51

All: 0.000+/-0.000 χ^2/NDF: 15782846.4/97

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: 0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

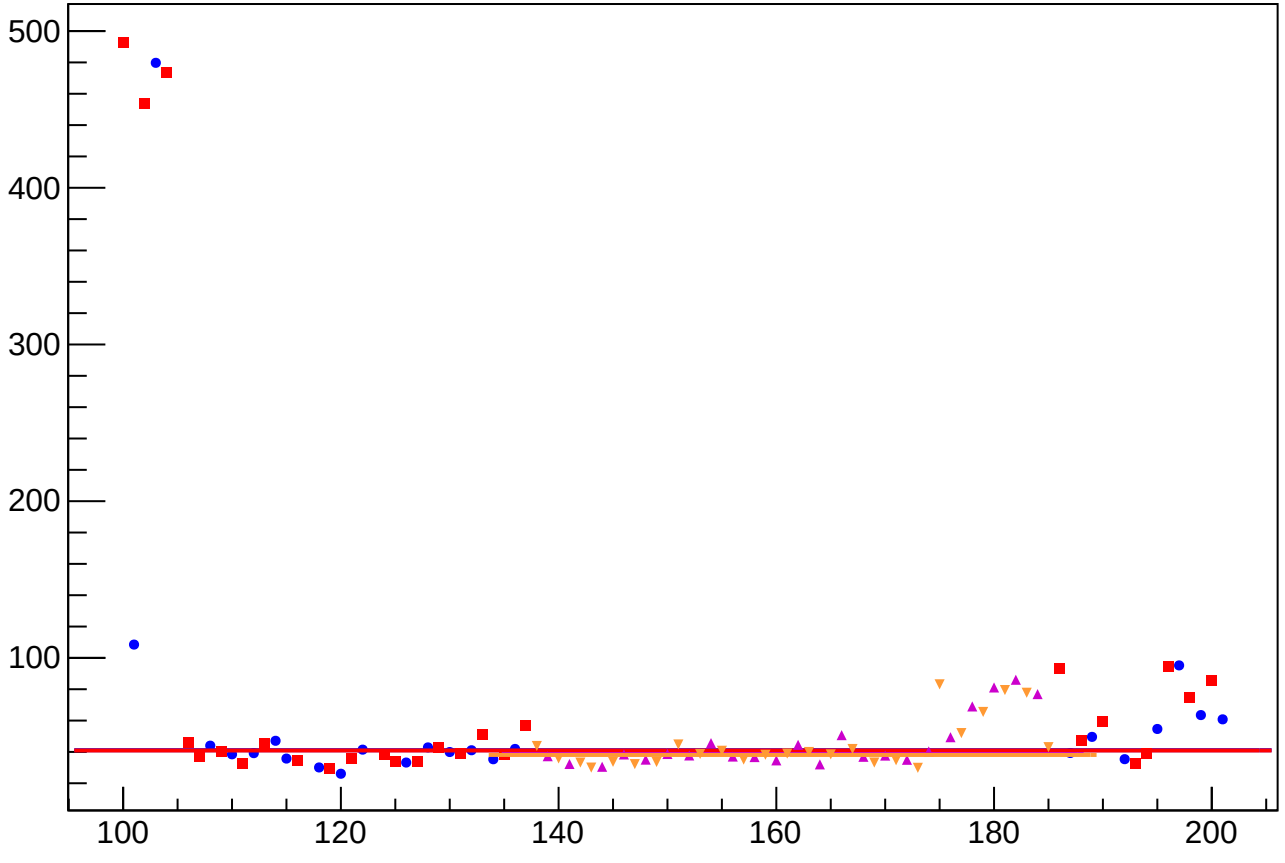
Right: 0.001+/-0.009 χ^2/NDF: 53.2/49

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 112.1/97

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: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

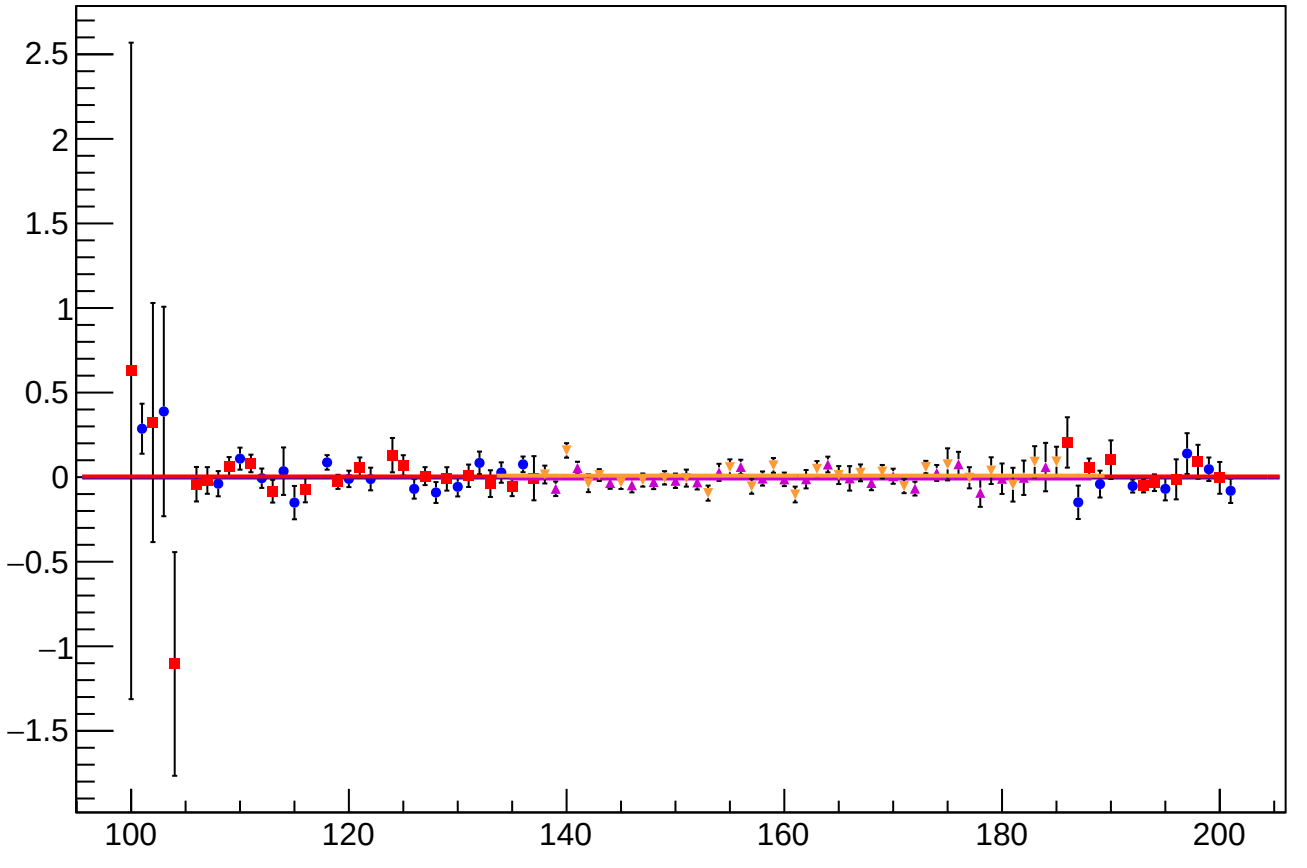
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.008+/-0.007 χ^2/NDF: 6275663.4/49

In: 39.502+/-0.006 χ^2/NDF:4497161.4/45

Out: 39.045+/-0.005 χ^2/NDF:5577780.3/51

All: 39.267+/-0.004 χ^2/NDF: 10078315.9/97



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: 0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

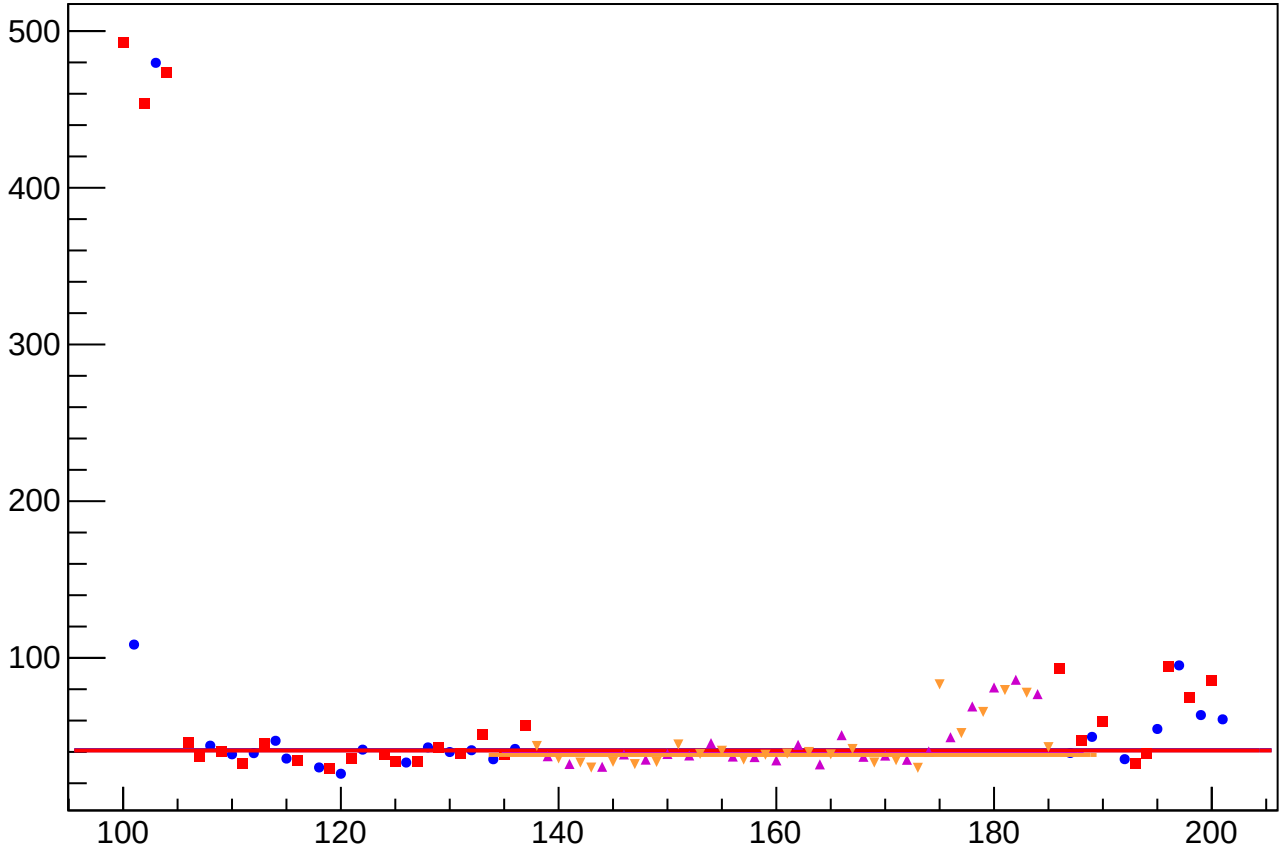
Right: 0.001+/-0.009 χ^2/NDF: 53.2/49

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 112.1/97

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: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

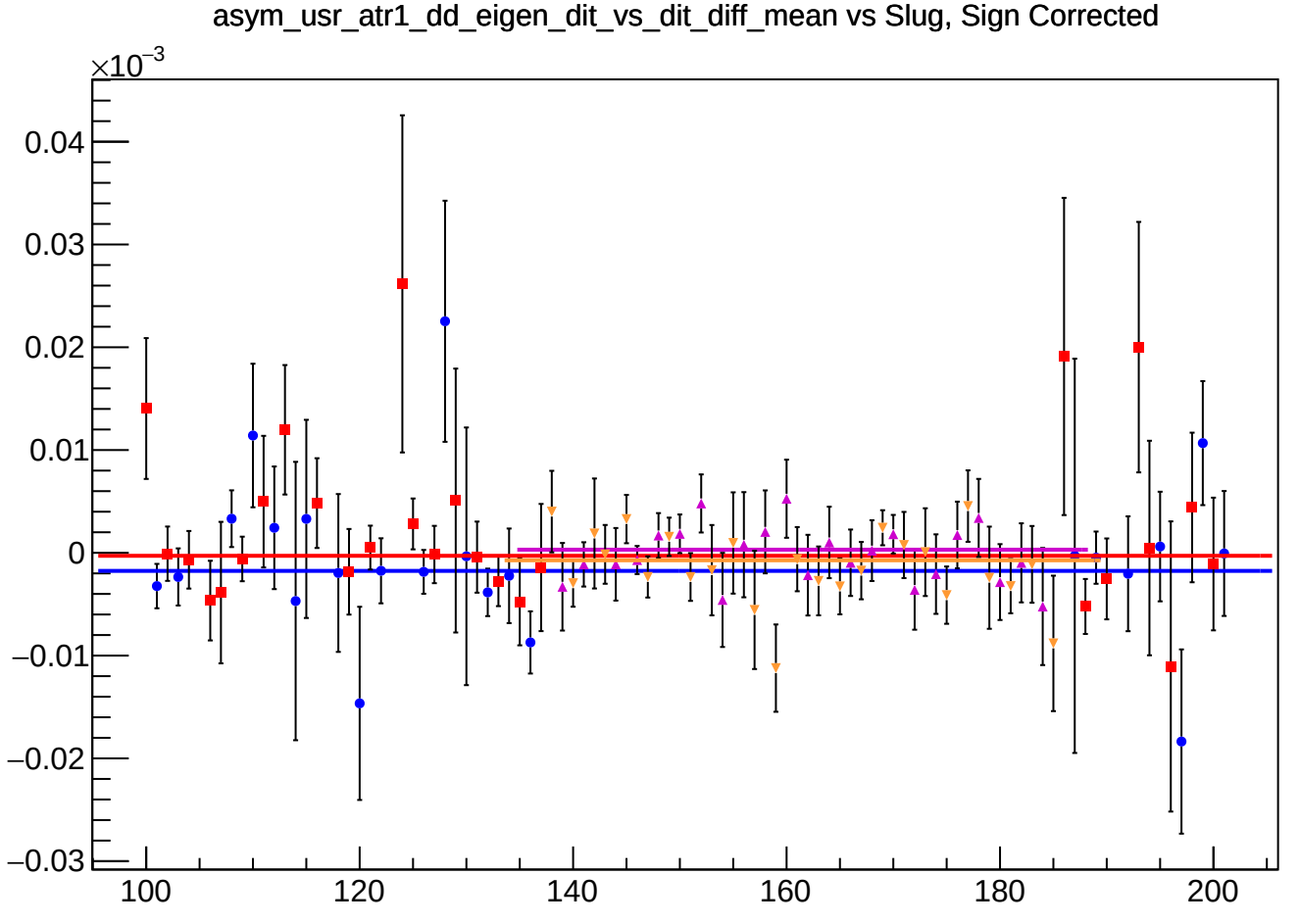
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.008+/-0.007 χ^2/NDF: 6275663.4/49

In: 39.502+/-0.006 χ^2/NDF:4497161.4/45

Out: 39.045+/-0.005 χ^2/NDF:5577780.3/51

All: 39.267+/-0.004 χ^2/NDF: 10078315.9/97



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: 27.7/26

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

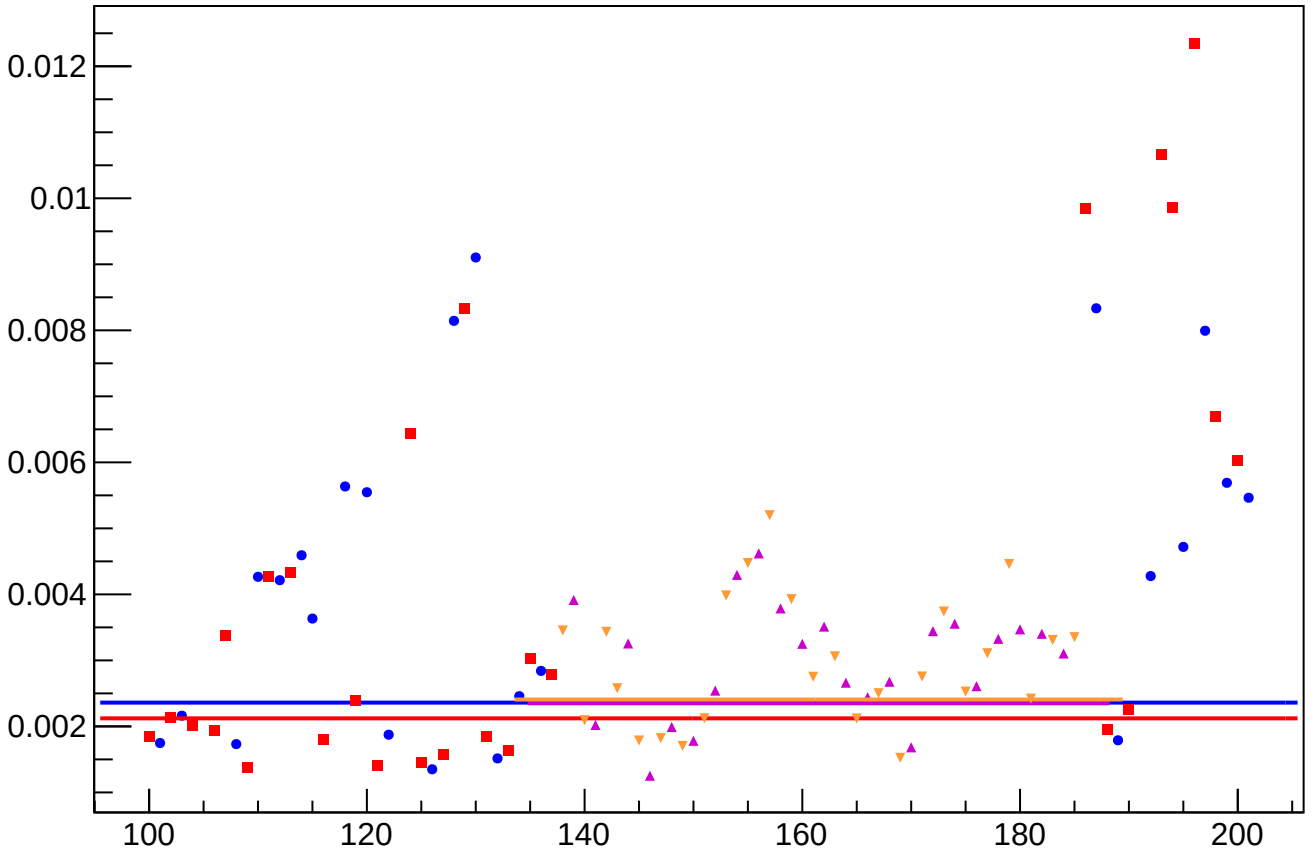
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.3/49

In: -0.000+/-0.000 χ^2/NDF:46.8/45

Out: -0.000+/-0.000 χ^2/NDF:54.5/51

All: -0.000+/-0.000 χ^2/NDF: 101.3/97



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: 7233066.2/26

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

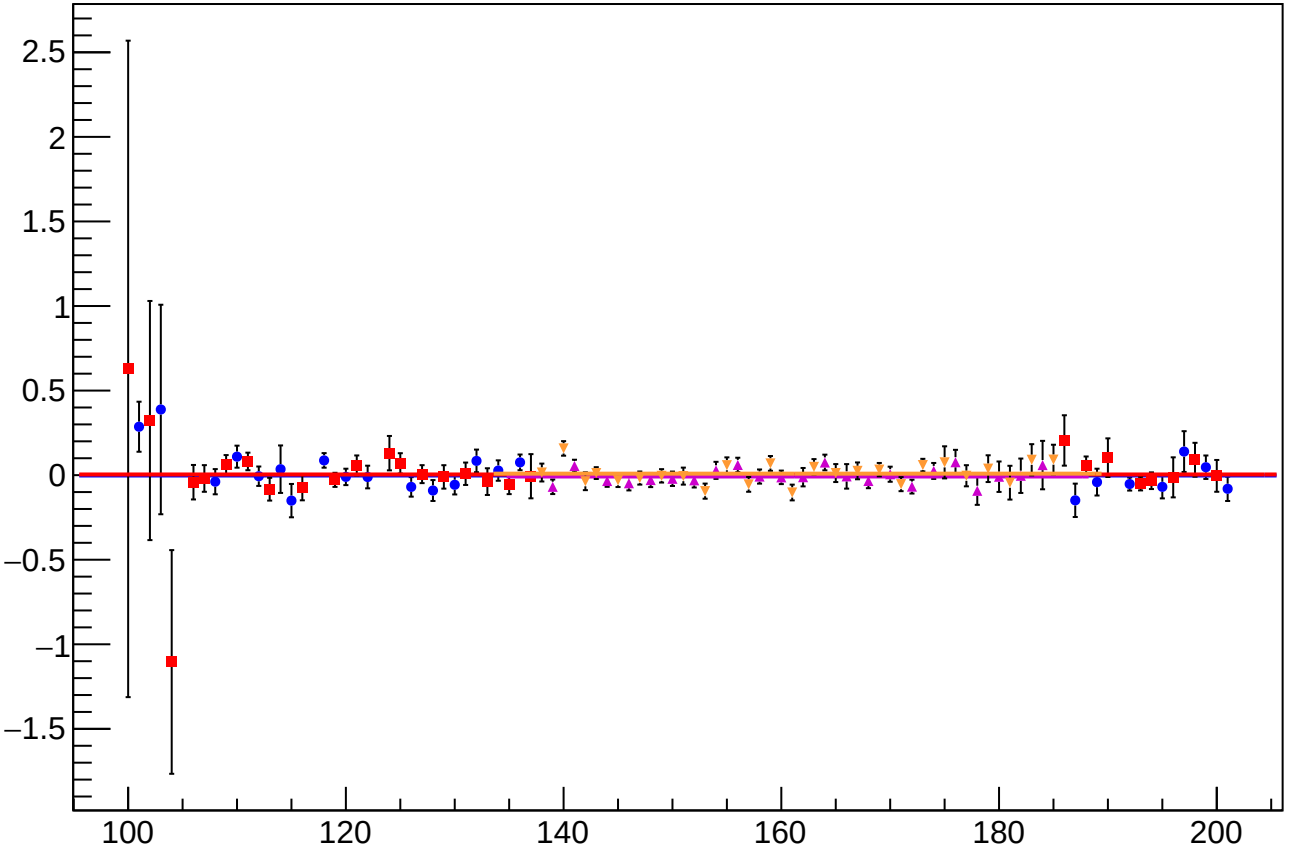
Right: 0.002+/-0.000 χ^2/NDF: 13350800.9/49

In: 0.002+/-0.000 χ^2/NDF:10459973.8/45

Out: 0.002+/-0.000 χ^2/NDF:11102428.1/51

All: 0.002+/-0.000 χ^2/NDF: 21577859.3/97

asym_usr_atr1_dd_eigen_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: 0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

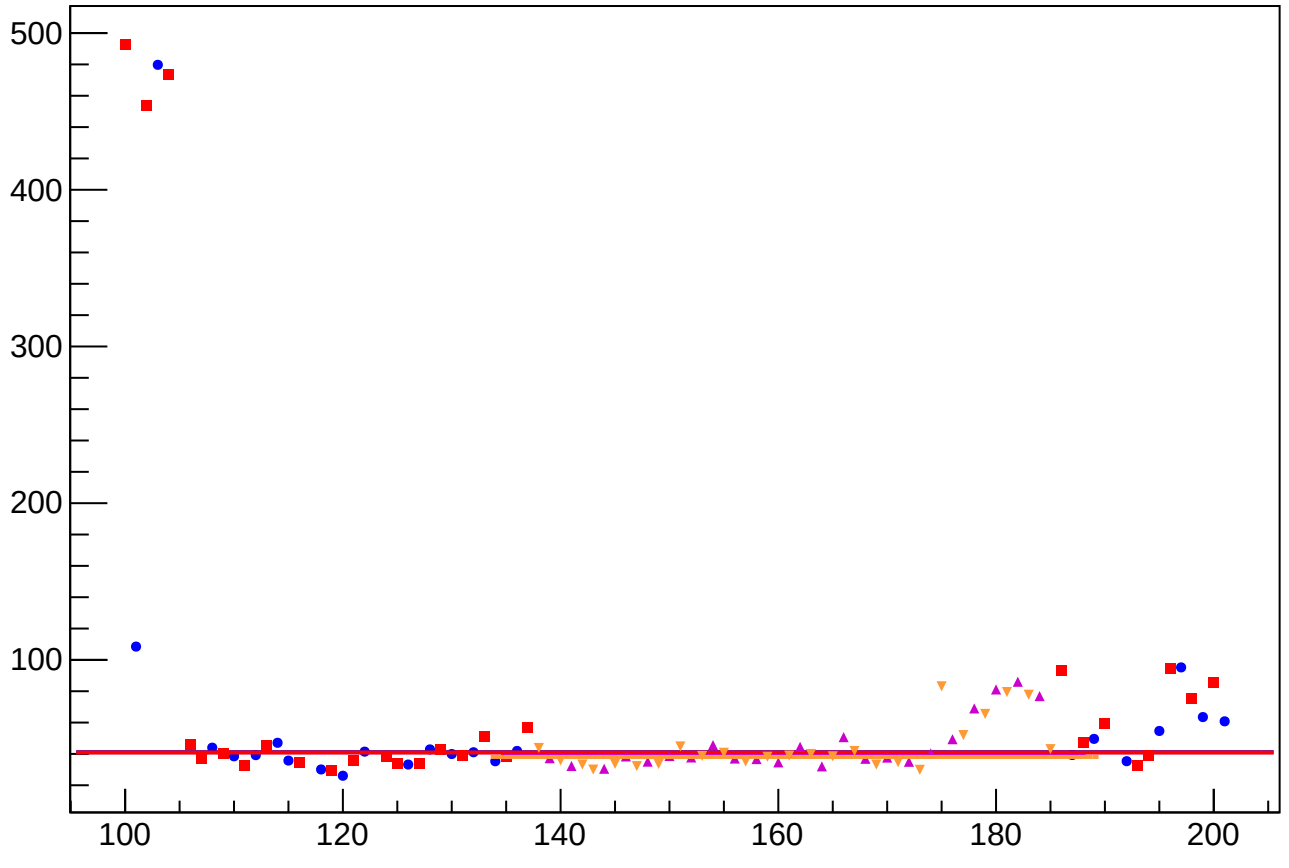
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.001+/-0.009 χ^2/NDF: 53.2/49

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 112.1/97



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: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

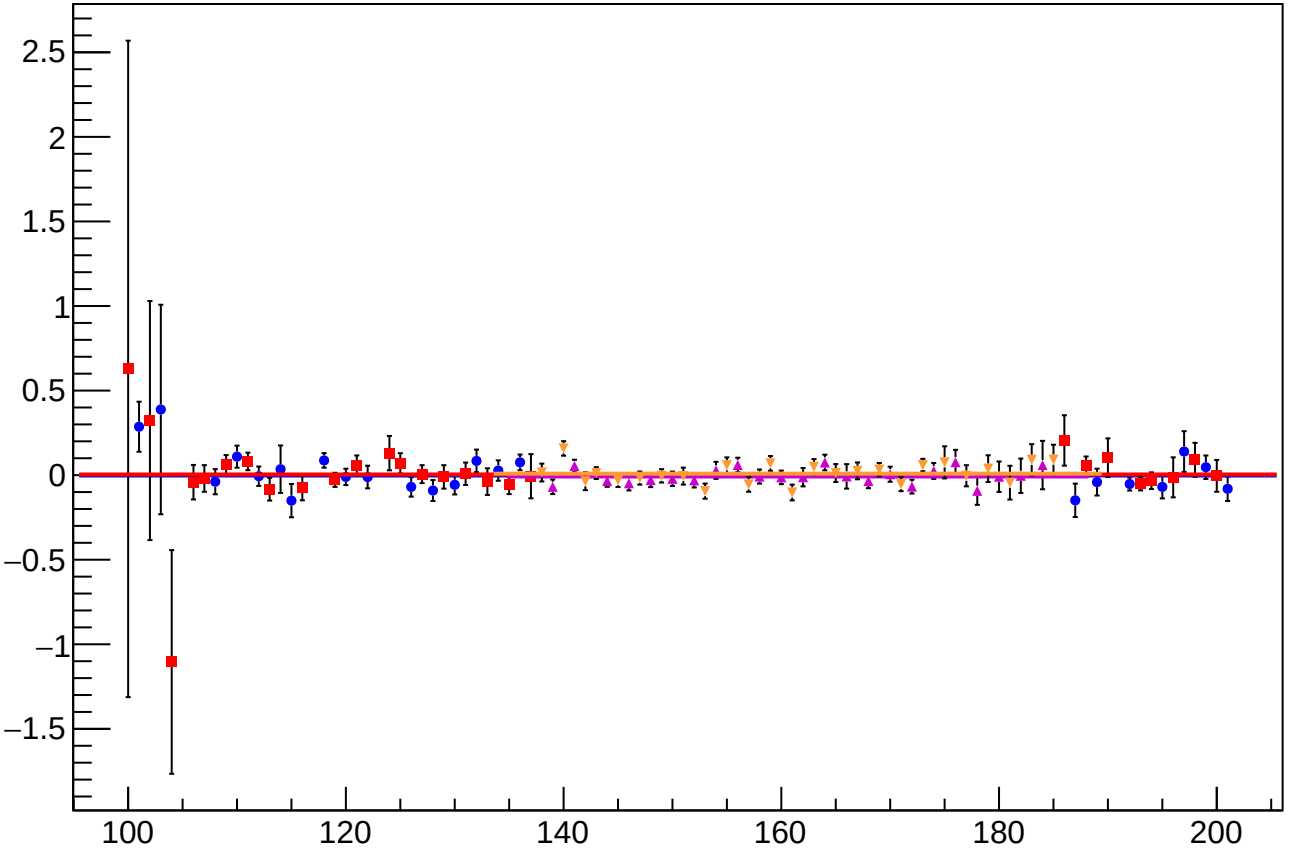
Right: 41.006+/-0.007 χ^2/NDF: 6276242.1/49

In: 39.501+/-0.006 χ^2/NDF:4497317.5/45

Out: 39.044+/-0.005 χ^2/NDF:5578074.8/51

All: 39.266+/-0.004 χ^2/NDF: 10078777.5/97

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: 0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

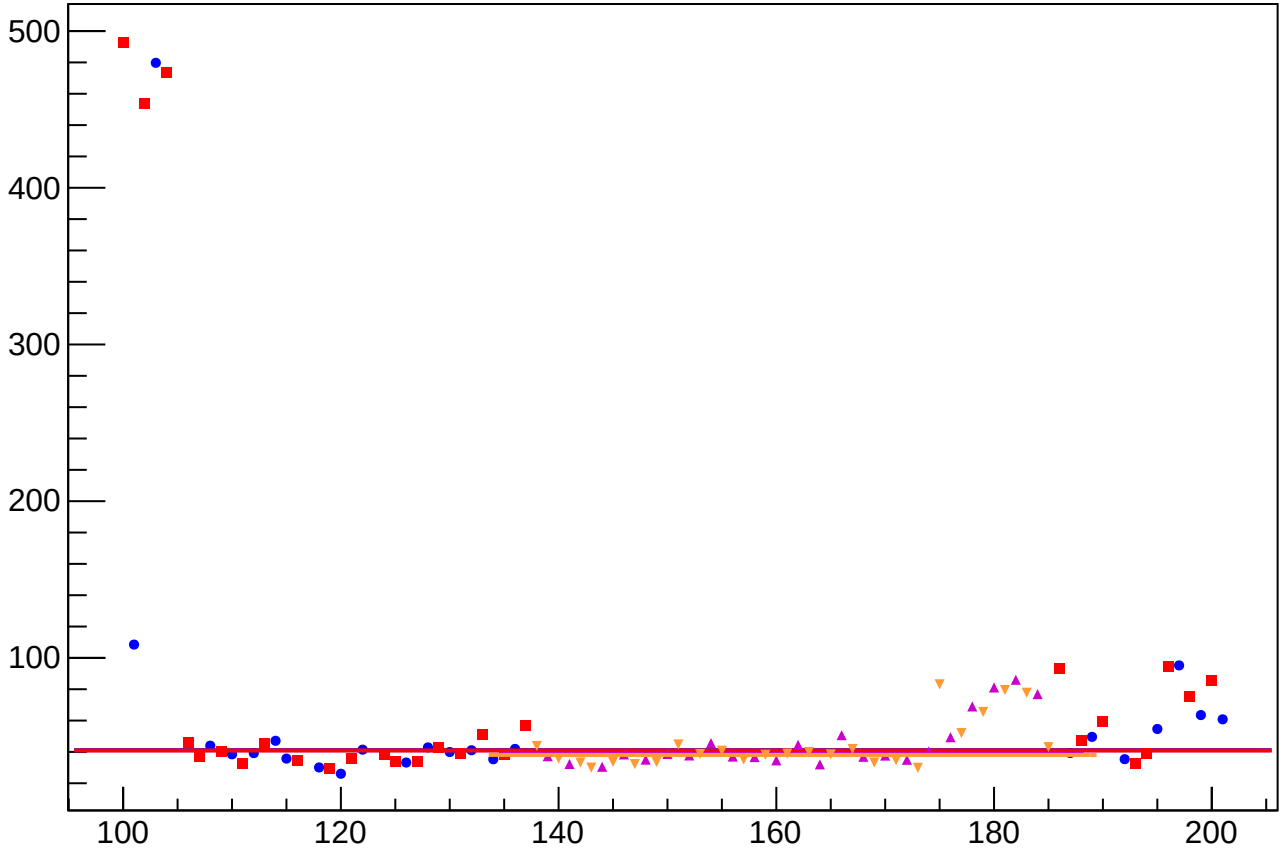
Right: 0.001+/-0.009 χ^2/NDF: 53.2/49

In: -0.006+/-0.008 χ^2/NDF:50.3/45

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 112.1/97

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: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

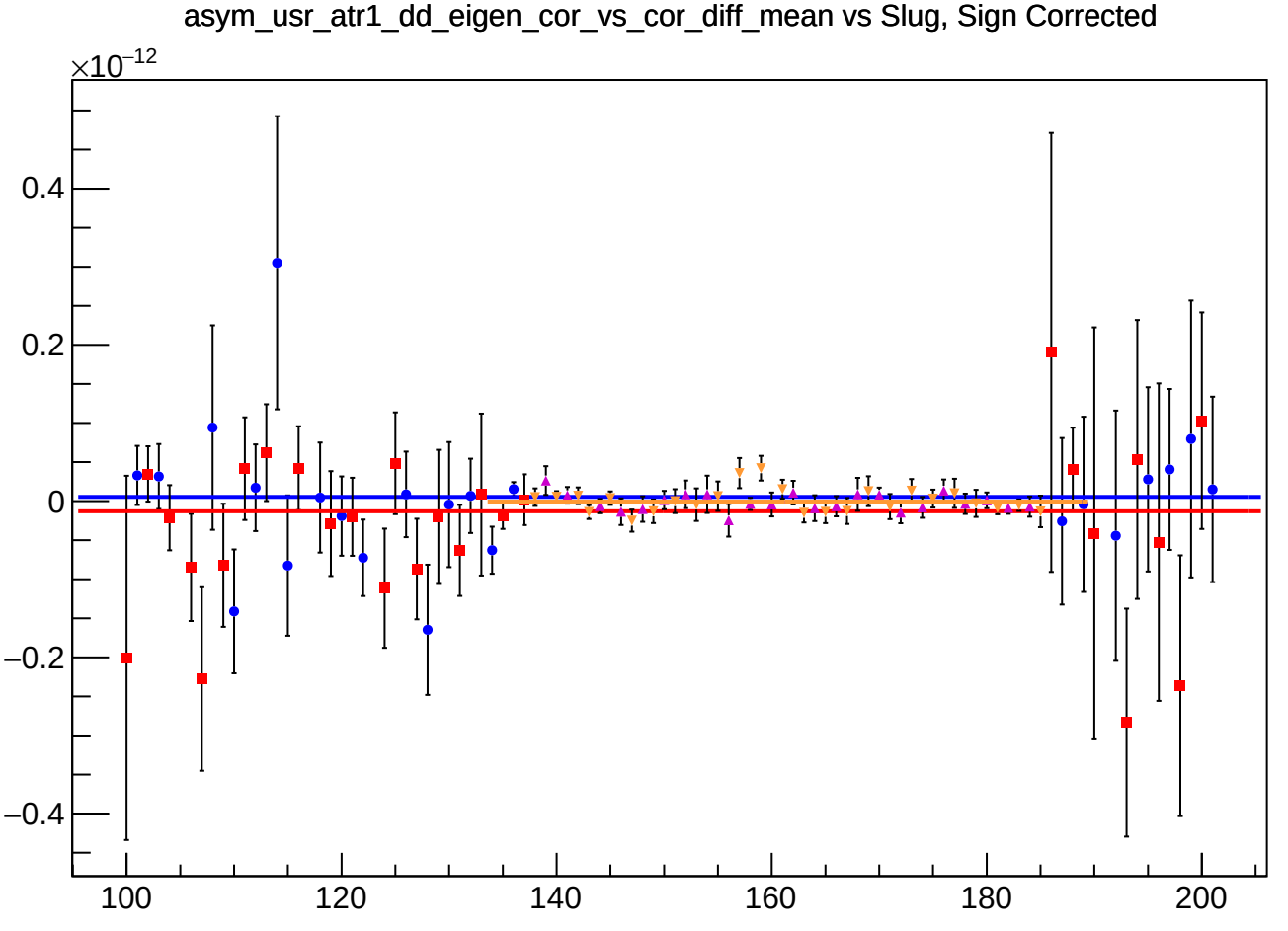
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

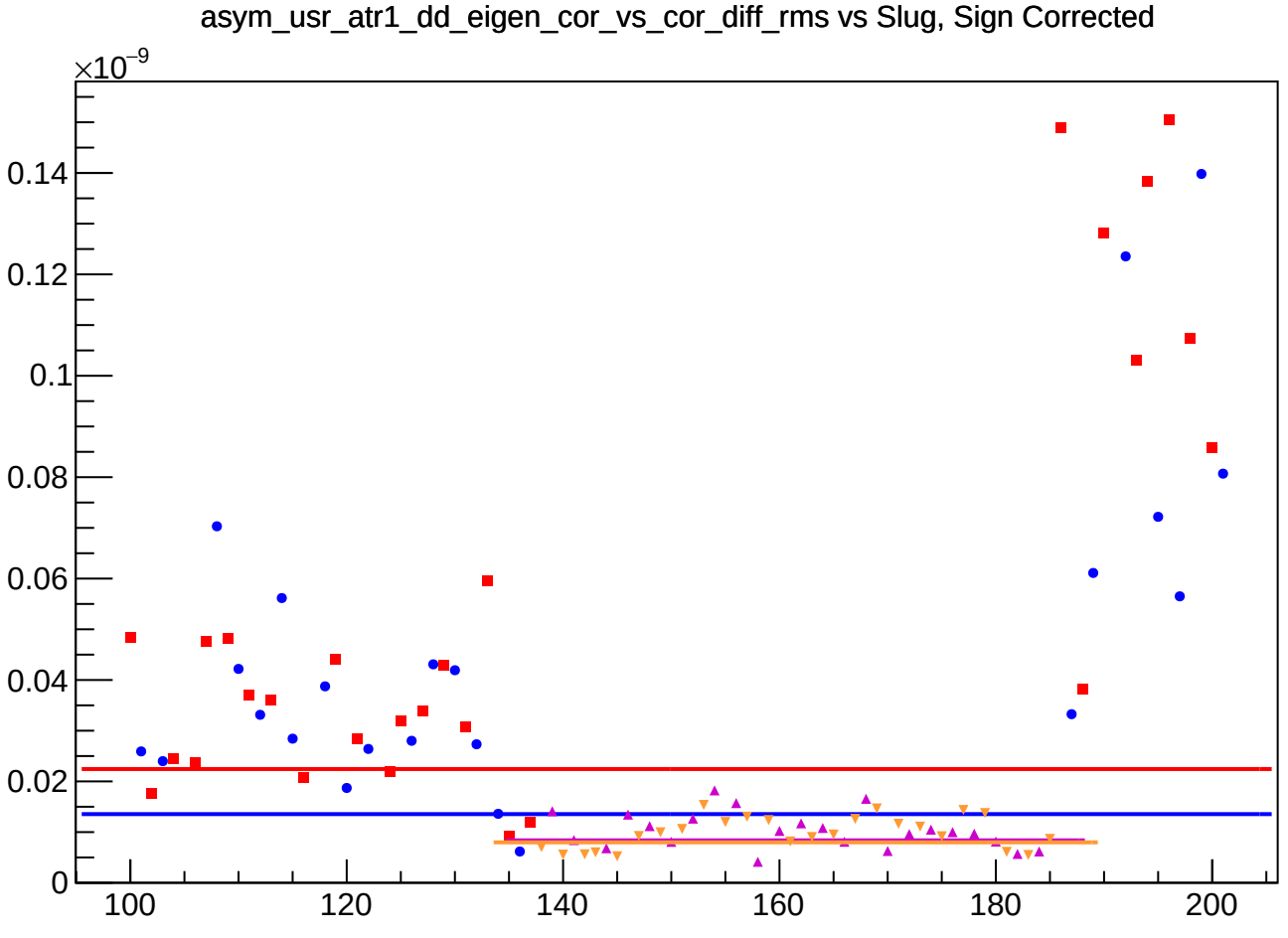
Right: 41.006+/-0.007 χ^2/NDF: 6276242.1/49

In: 39.501+/-0.006 χ^2/NDF:4497317.5/45

Out: 39.044+/-0.005 χ^2/NDF:5578074.8/51

All: 39.266+/-0.004 χ^2/NDF: 10078777.5/97


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.2/22
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.7/26
Left In: -0.000+/-0.000 χ²/NDF:11.6/22
Left: -0.000+/-0.000 χ²/NDF: 38.6/47
Right: -0.000+/-0.000 χ²/NDF: 48.0/49
In: -0.000+/-0.000 χ²/NDF:34.6/45
Out: -0.000+/-0.000 χ²/NDF:52.0/51
All: -0.000+/-0.000 χ²/NDF: 86.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 7821971.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6851986.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

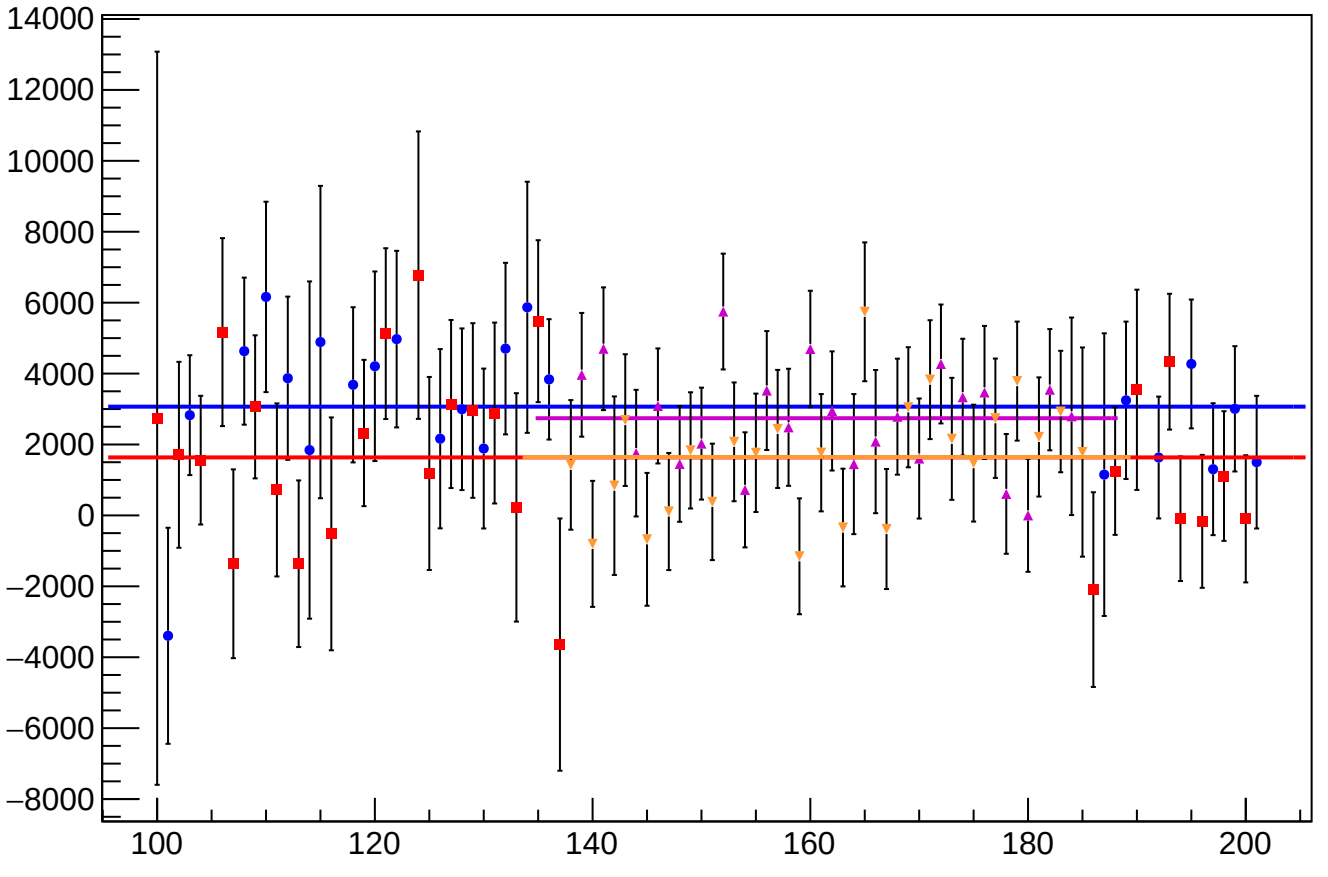
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15659981.0/49

In: 0.000+/-0.000 χ^2/NDF:11467650.8/45

Out: 0.000+/-0.000 χ^2/NDF:13464201.6/51

All: 0.000+/-0.000 χ^2/NDF: 24937944.3/97



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: 1635.764+/-449.267 χ^2/NDF: 23.0/26

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

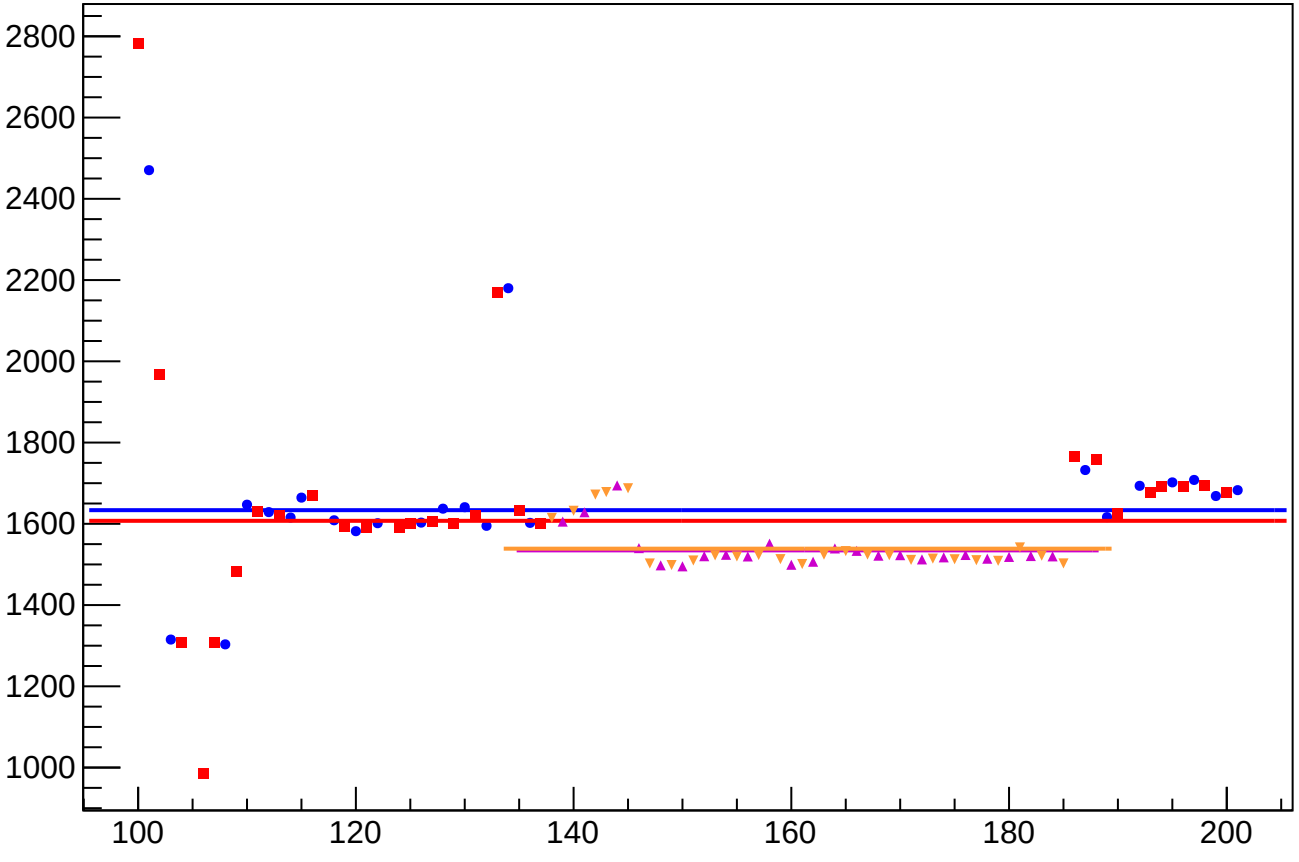
Right: 2322.491+/-324.040 χ^2/NDF: 40.2/49

In: 2861.587+/-284.535 χ^2/NDF:29.0/45

Out: 1642.388+/-275.985 χ^2/NDF:44.0/51

All: 2233.395+/-198.104 χ^2/NDF: 82.5/97

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: 1607.368+/-0.315 χ^2/NDF: 439069.5/26

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

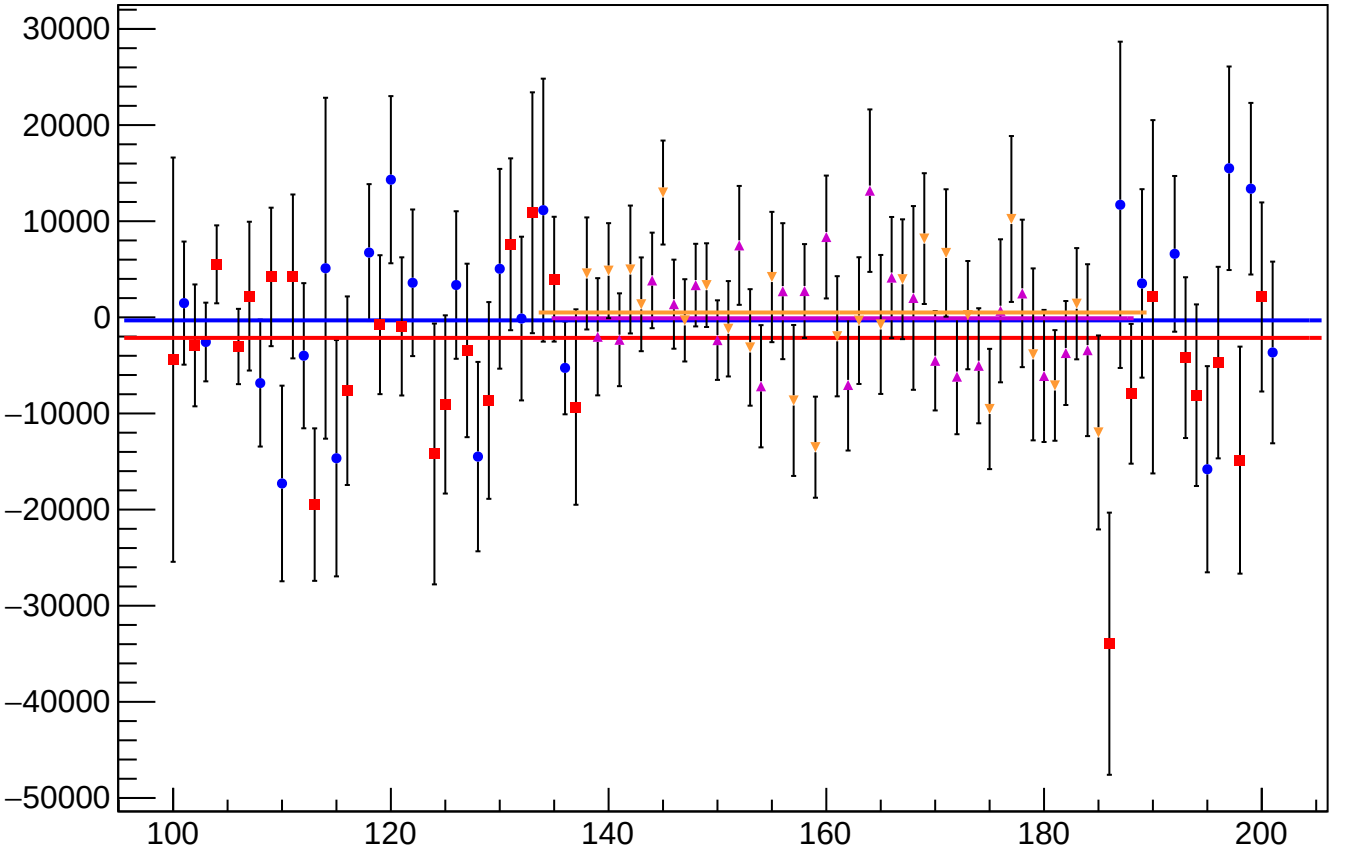
Right: 1619.820+/-0.228 χ^2/NDF: 777682.7/49

In: 1571.228+/-0.201 χ^2/NDF:422840.1/45

Out: 1565.001+/-0.194 χ^2/NDF:515482.4/51

All: 1568.008+/-0.140 χ^2/NDF: 938818.0/97

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: -2138.270+/-1508.893 χ^2/NDF: 23.9/26

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

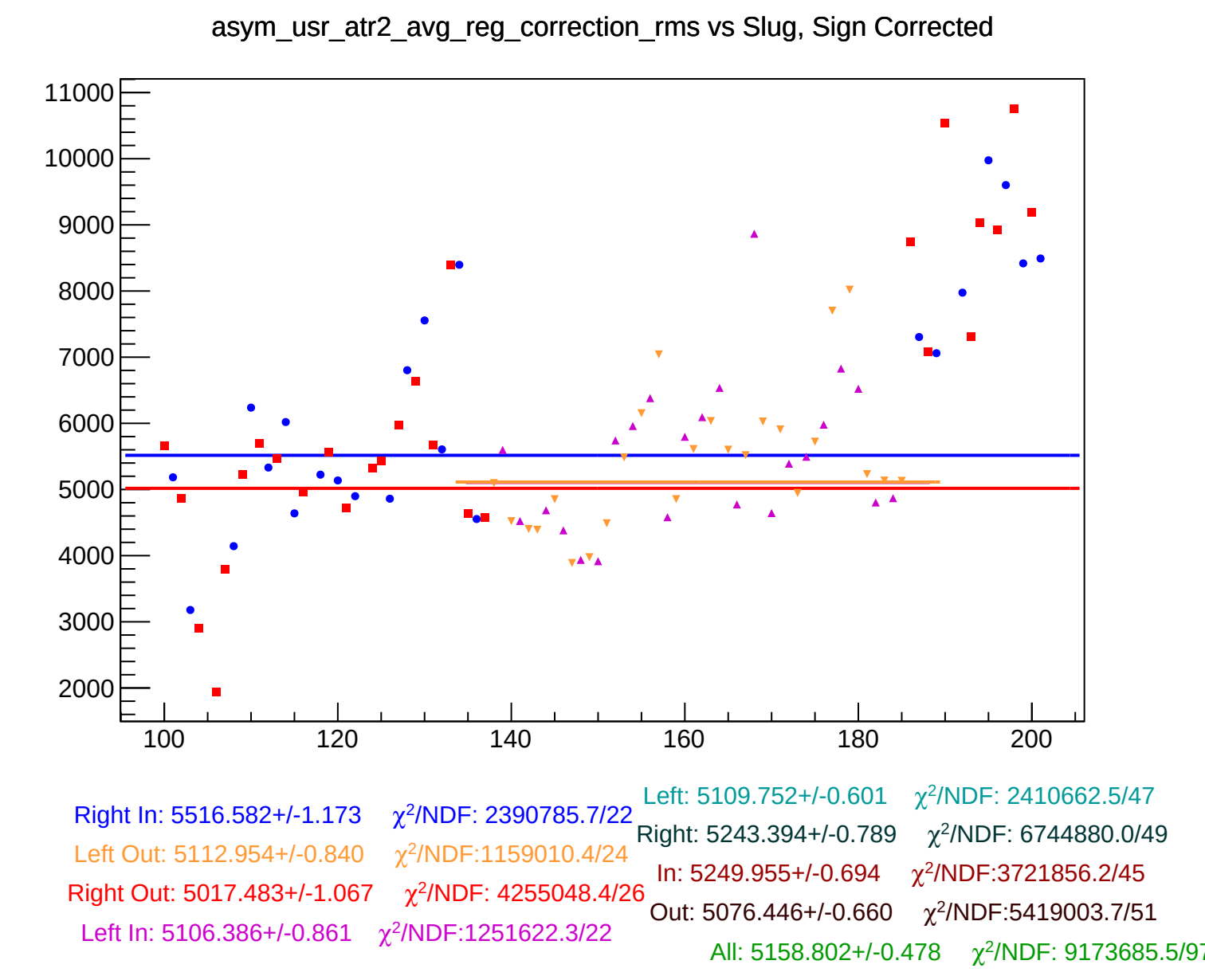
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

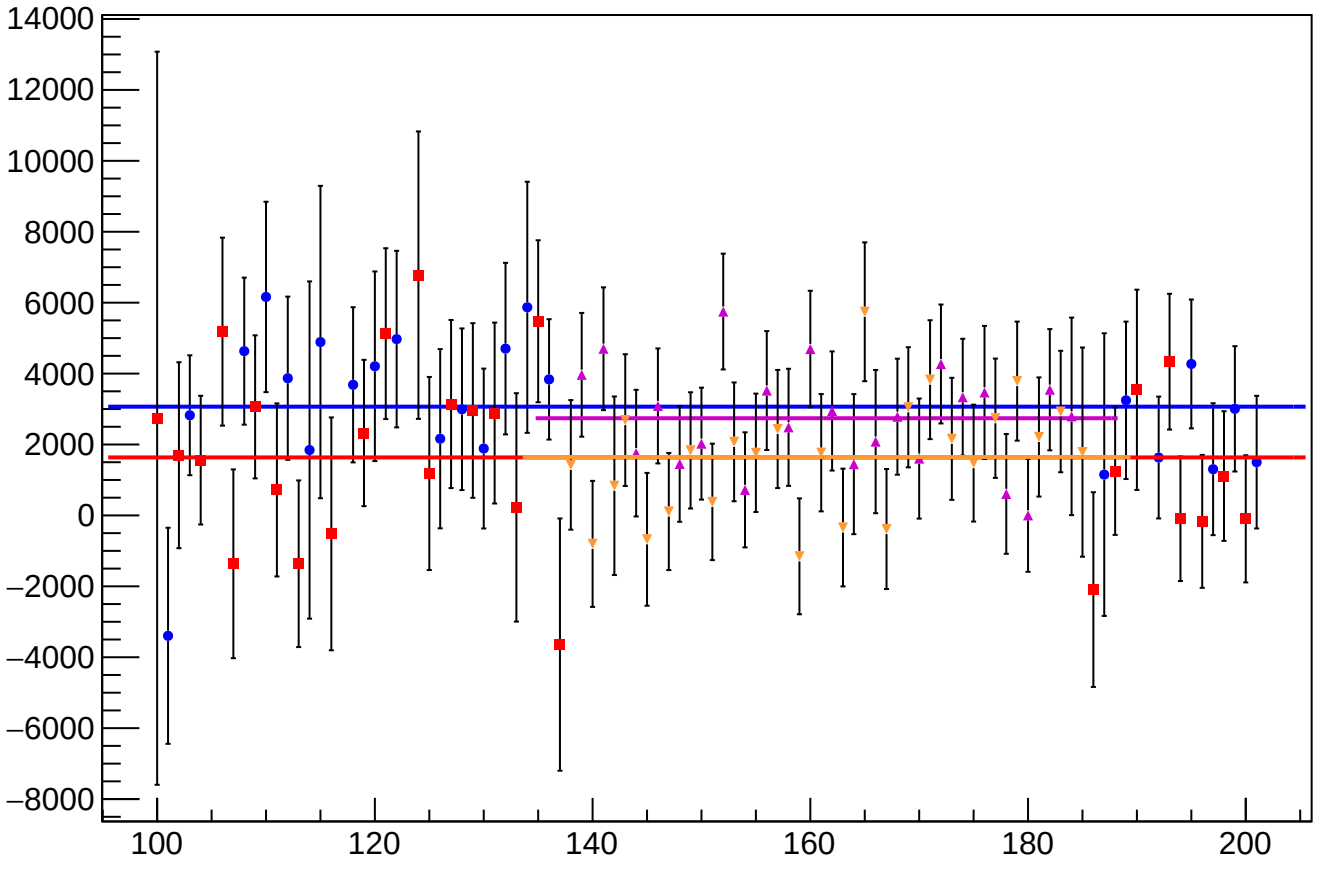
Right: -1313.359+/-1116.340 χ^2/NDF: 47.0/49

In: -174.176+/-981.648 χ^2/NDF:37.3/45

Out: -506.493+/-933.074 χ^2/NDF:52.6/51

All: -348.760+/-676.303 χ^2/NDF: 89.9/97


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 5516.582+/-1.173 χ²/NDF: 2390785.7/22
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 5017.483+/-1.067 χ²/NDF: 4255048.4/26
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 5243.394+/-0.789 χ²/NDF: 6744880.0/49
In: 5249.955+/-0.694 χ²/NDF:3721856.2/45
Out: 5076.446+/-0.660 χ²/NDF:5419003.7/51
All: 5158.802+/-0.478 χ²/NDF: 9173685.5/97



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: 1635.756+/-449.269 χ^2/NDF: 23.0/26

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

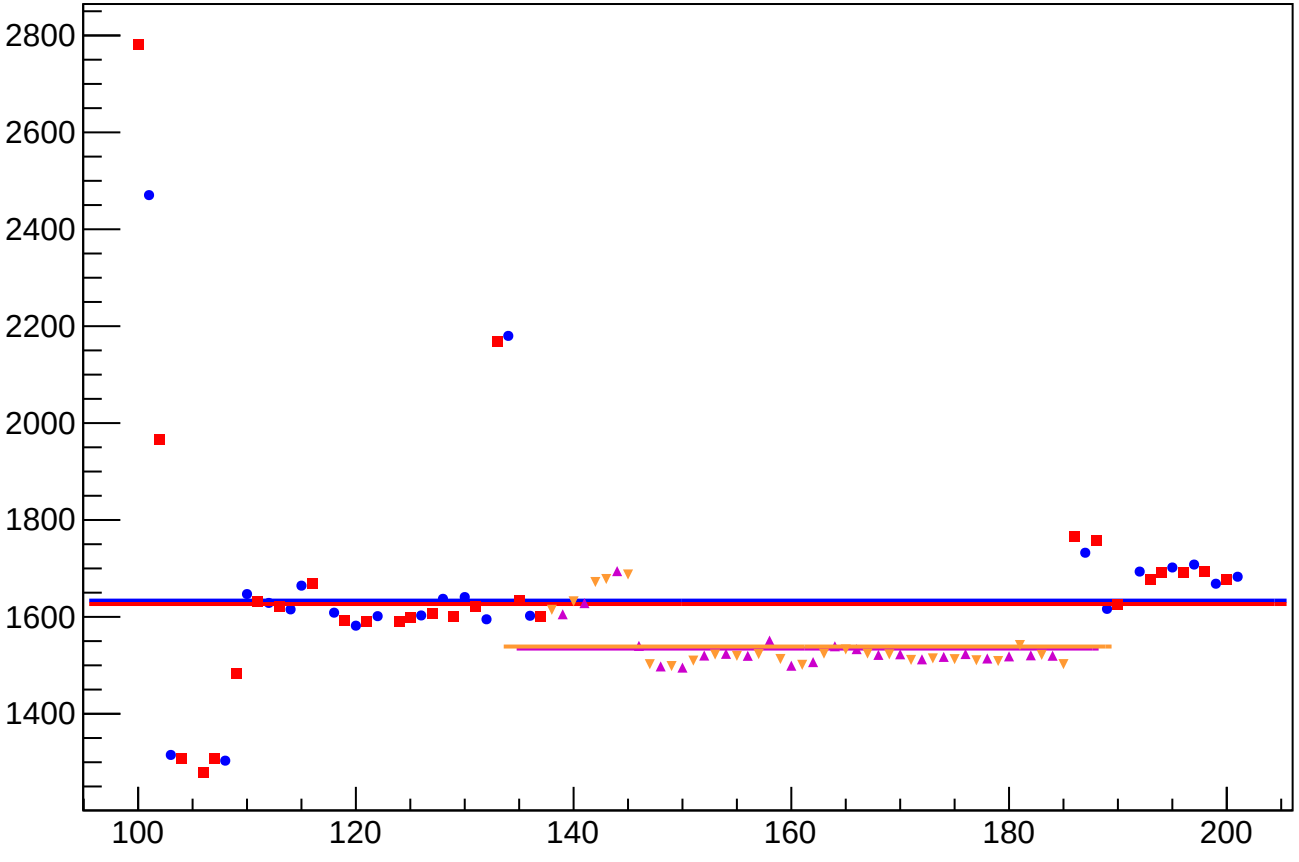
Right: 2322.420+/-324.041 χ^2/NDF: 40.2/49

In: 2861.472+/-284.535 χ^2/NDF:29.0/45

Out: 1642.317+/-275.985 χ^2/NDF:44.1/51

All: 2233.304+/-198.105 χ^2/NDF: 82.6/97

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: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

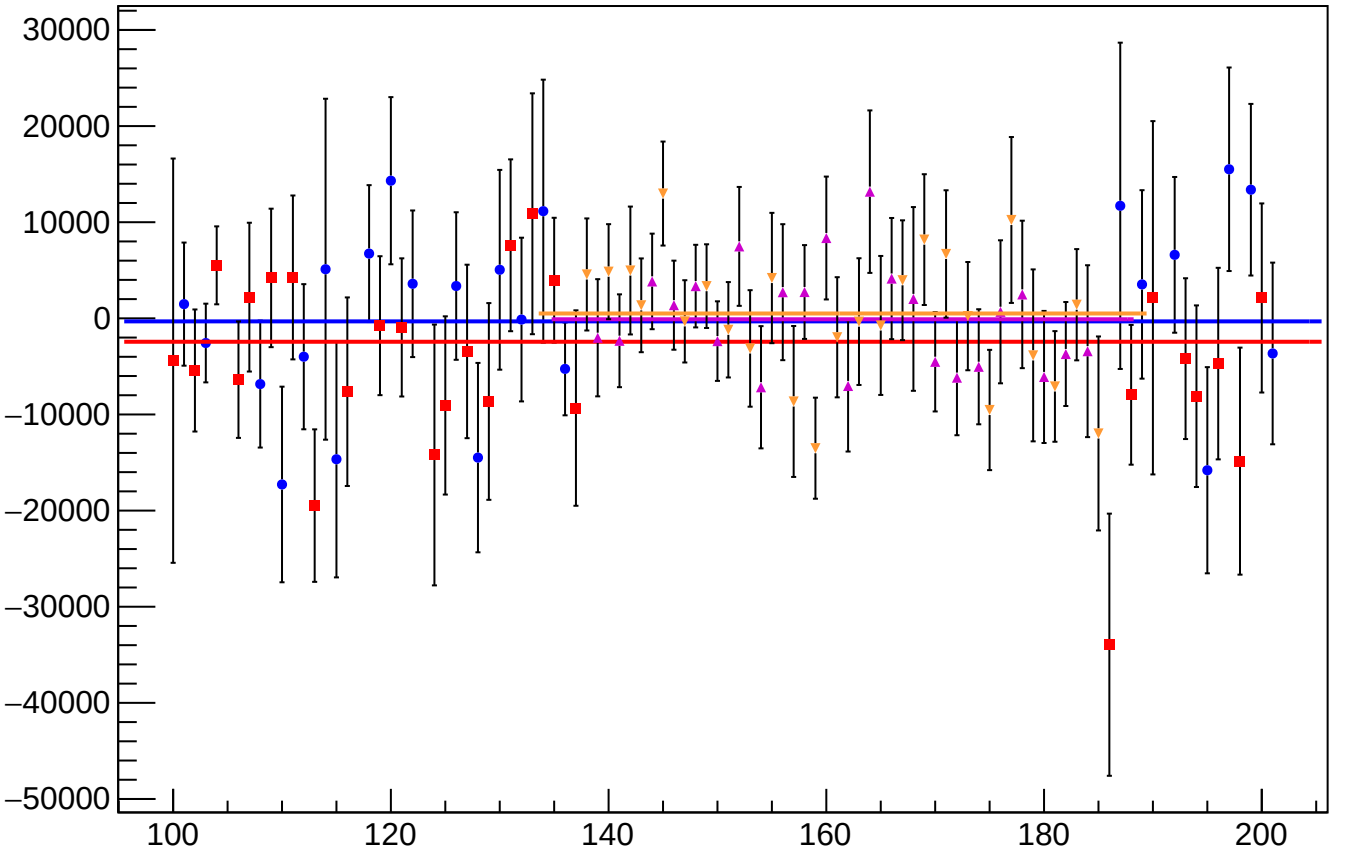
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1629.925+/-0.229 χ^2/NDF: 620492.8/49

In: 1571.228+/-0.201 χ^2/NDF:422839.3/45

Out: 1572.018+/-0.195 χ^2/NDF:379642.9/51

All: 1571.636+/-0.140 χ^2/NDF: 802490.2/97



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: -2435.930+/-1578.751 χ^2/NDF: 24.5/26

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

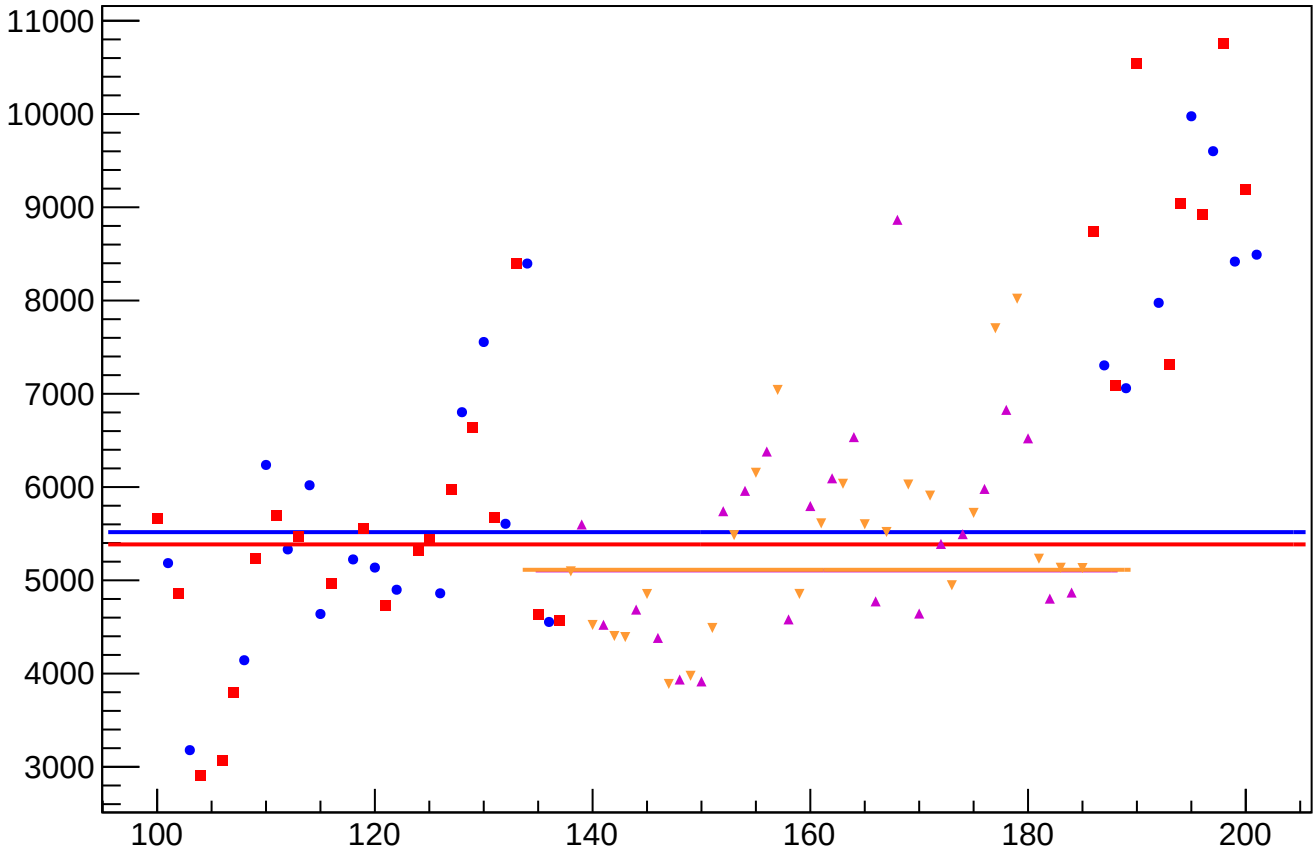
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1428.639+/-1143.766 χ^2/NDF: 47.8/49

In: -174.226+/-981.653 χ^2/NDF:37.3/45

Out: -558.174+/-948.907 χ^2/NDF:53.6/51

All: -372.711+/-682.262 χ^2/NDF: 90.9/97



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: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

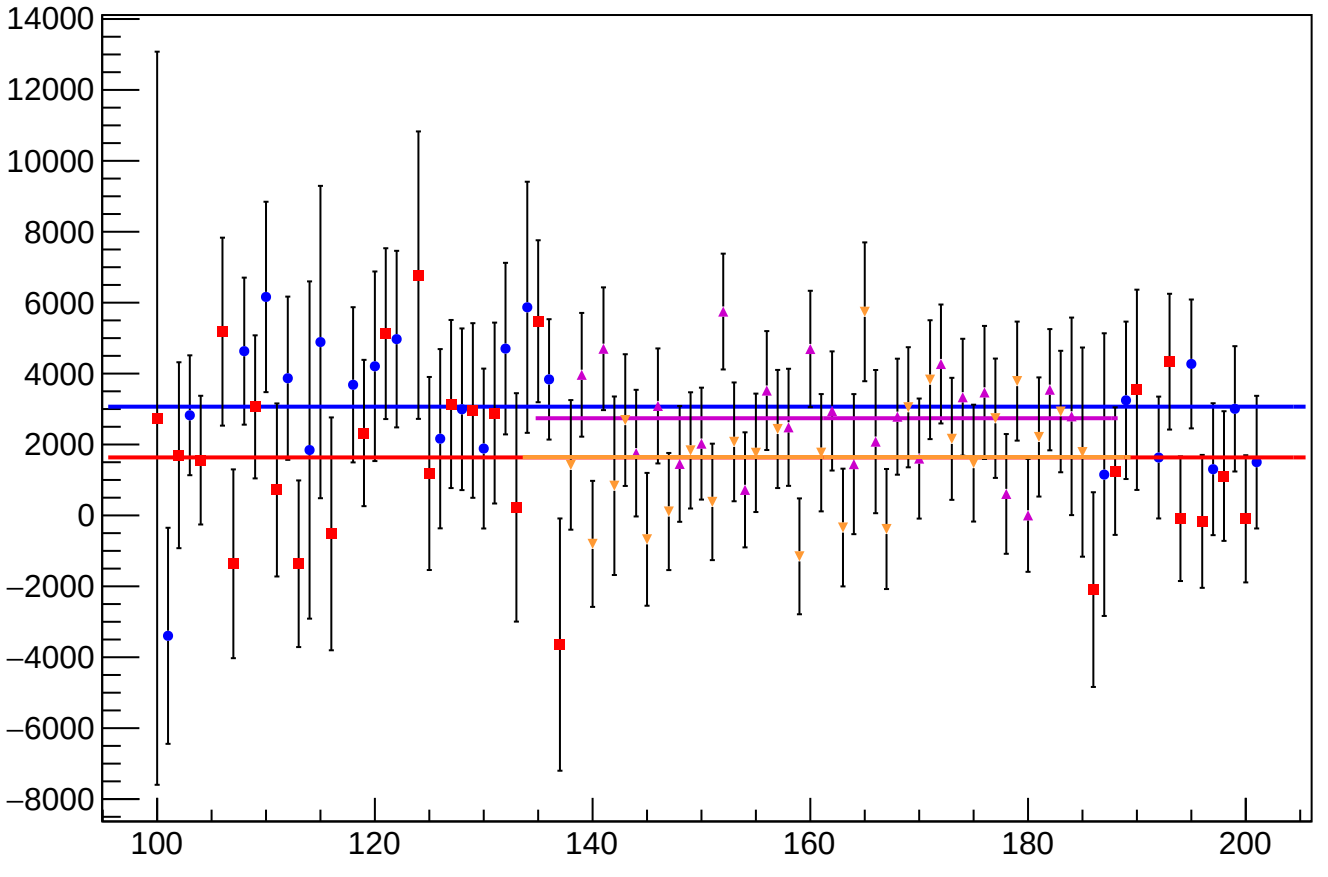
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5447.674+/-0.809 χ^2/NDF: 5515265.6/49

In: 5249.997+/-0.694 χ^2/NDF:3721588.3/45

Out: 5211.292+/-0.671 χ^2/NDF:4315208.5/51

All: 5229.988+/-0.482 χ^2/NDF: 8038404.2/97



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: 1635.756+/-449.269 χ^2/NDF: 23.0/26

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

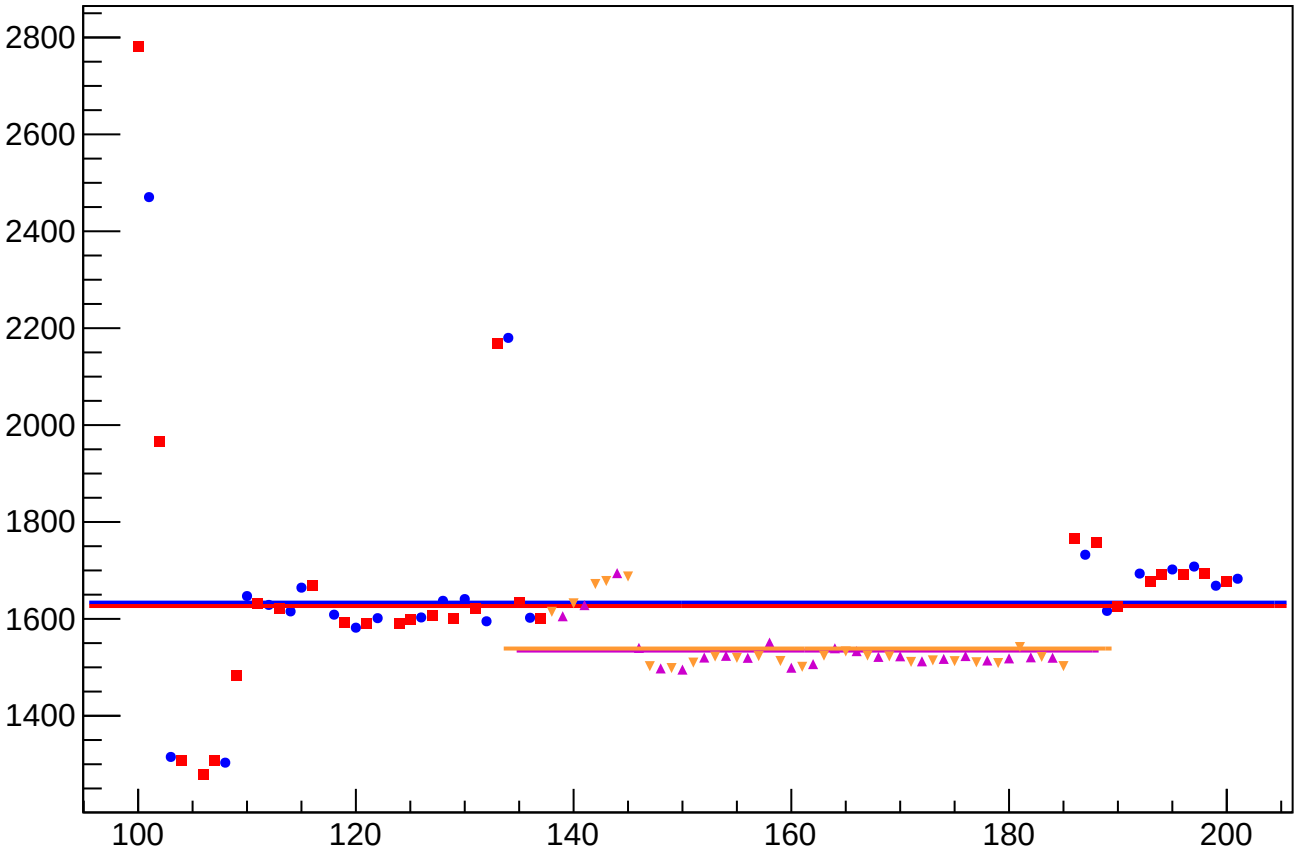
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2322.420+/-324.041 χ^2/NDF: 40.2/49

In: 2861.472+/-284.535 χ^2/NDF:29.0/45

Out: 1642.317+/-275.985 χ^2/NDF:44.1/51

All: 2233.304+/-198.105 χ^2/NDF: 82.6/97



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: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

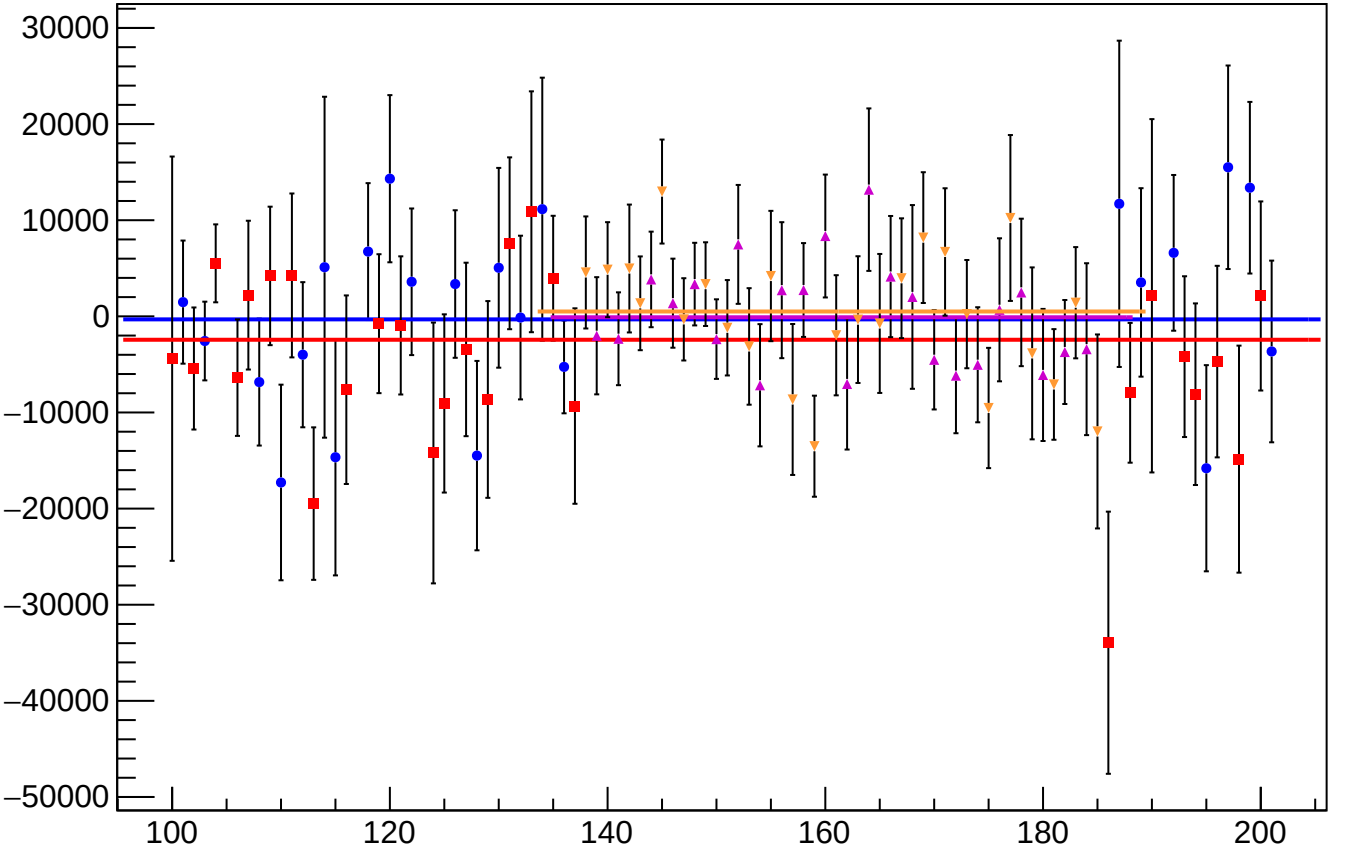
Right: 1629.925+/-0.229 χ^2/NDF: 620492.8/49

In: 1571.228+/-0.201 χ^2/NDF:422839.3/45

Out: 1572.018+/-0.195 χ^2/NDF:379642.9/51

All: 1571.636+/-0.140 χ^2/NDF: 802490.2/97

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -2435.930+/-1578.751 χ^2/NDF: 24.5/26

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

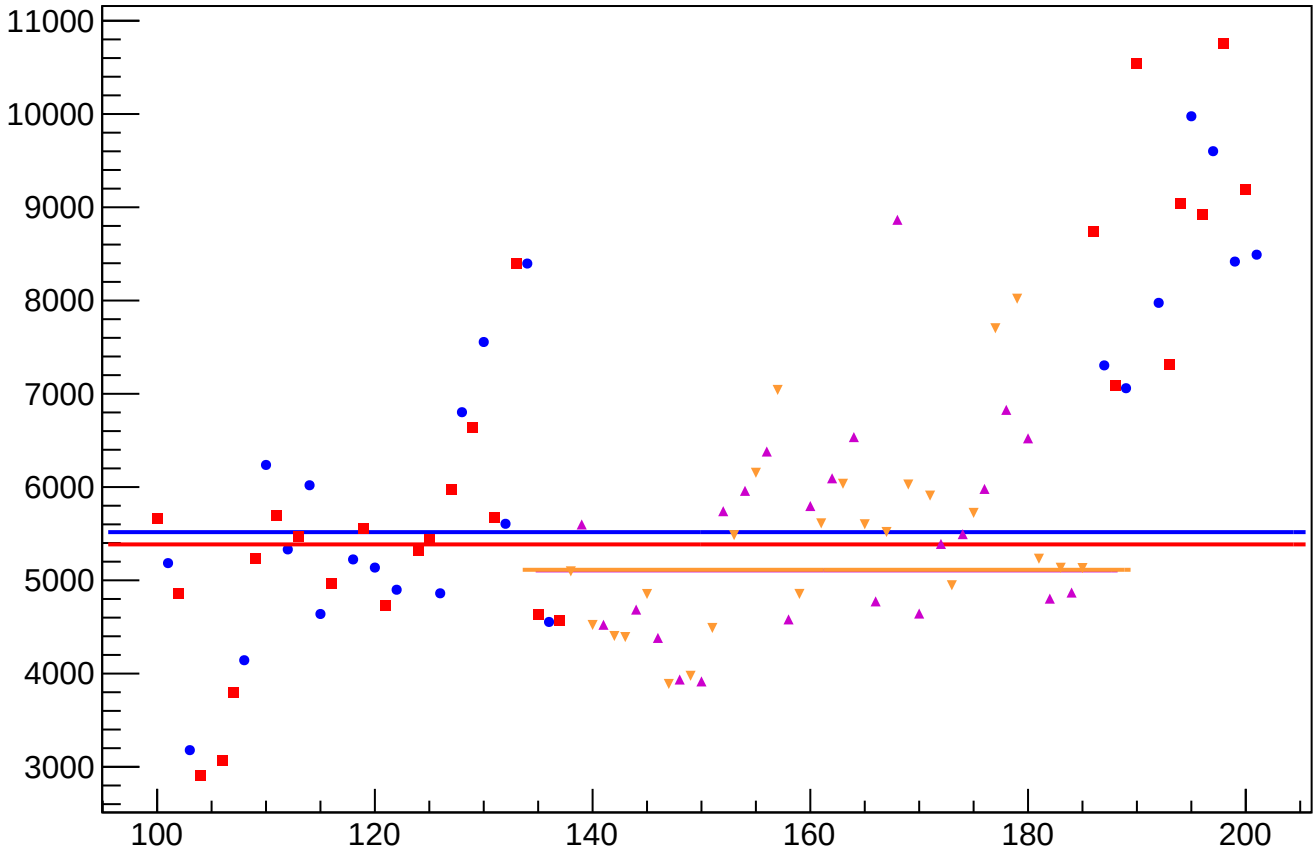
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1428.639+/-1143.766 χ^2/NDF: 47.8/49

In: -174.226+/-981.653 χ^2/NDF:37.3/45

Out: -558.174+/-948.907 χ^2/NDF:53.6/51

All: -372.711+/-682.262 χ^2/NDF: 90.9/97



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: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

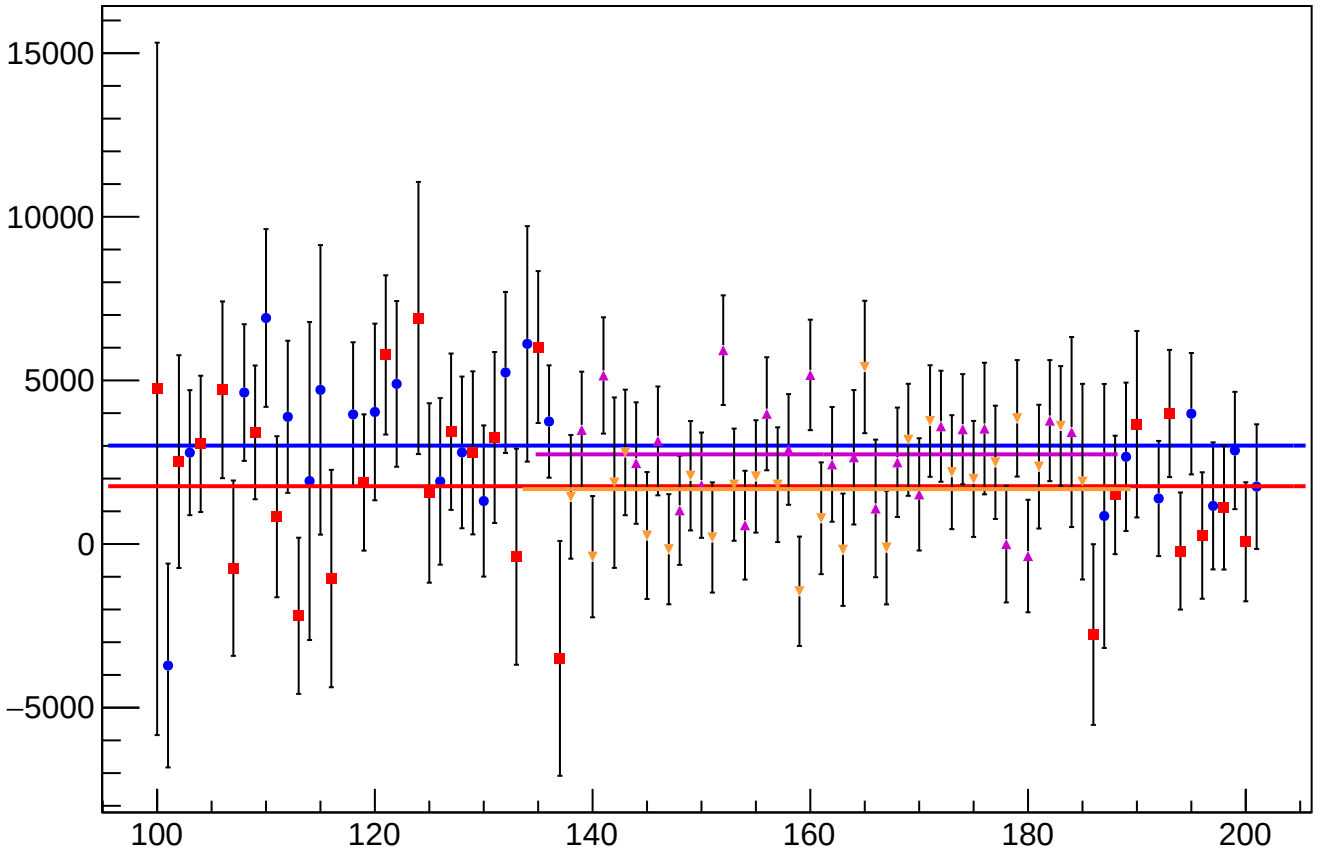
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5447.674+/-0.809 χ^2/NDF: 5515265.6/49

In: 5249.997+/-0.694 χ^2/NDF:3721588.3/45

Out: 5211.292+/-0.671 χ^2/NDF:4315208.5/51

All: 5229.988+/-0.482 χ^2/NDF: 8038404.2/97



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: 1766.569+/-461.458 χ^2/NDF: 25.3/26

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

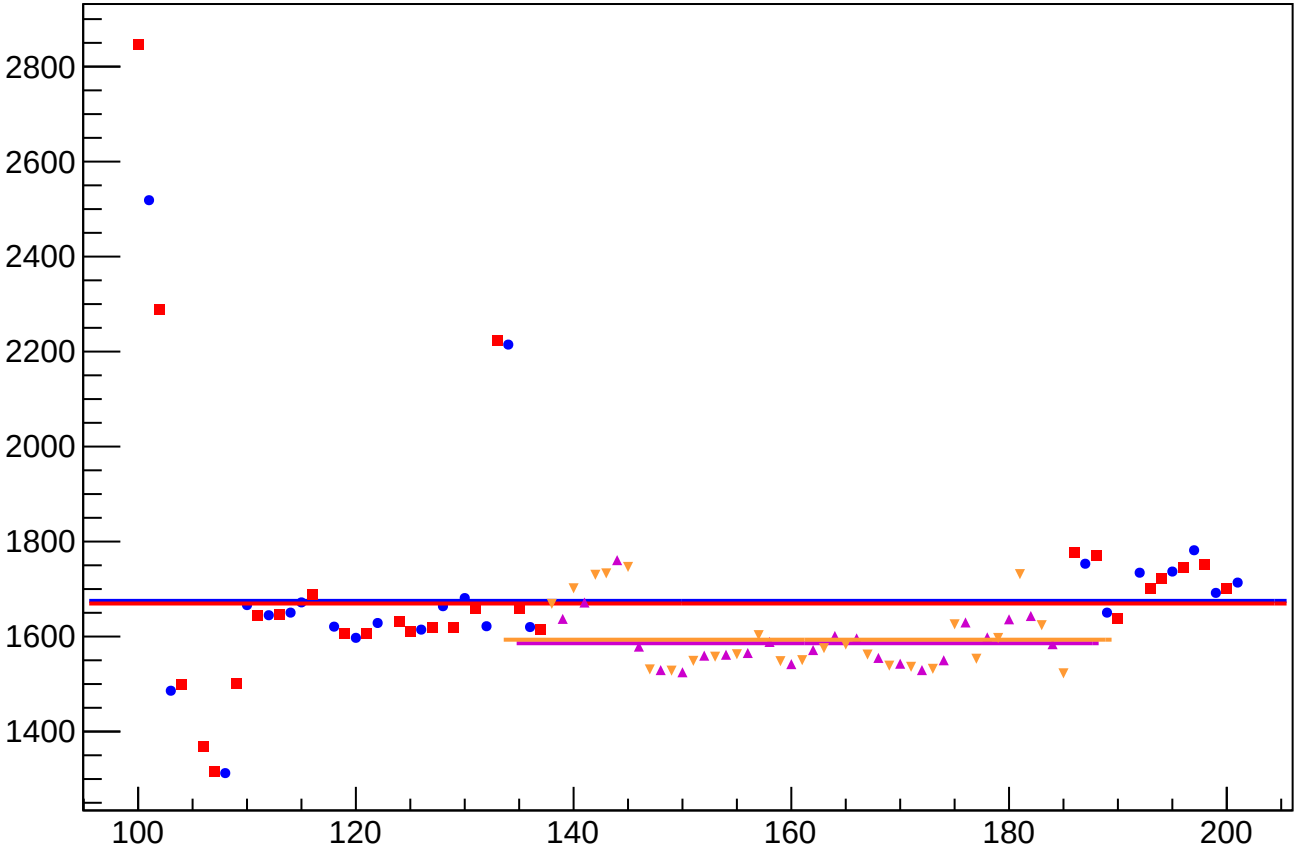
Right: 2363.664+/-332.460 χ^2/NDF: 42.6/49

In: 2840.695+/-293.205 χ^2/NDF:33.2/45

Out: 1712.505+/-285.010 χ^2/NDF:44.3/51

All: 2260.614+/-204.368 χ^2/NDF: 85.1/97

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: 1669.555+/-0.326 χ^2/NDF: 266727.0/26

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

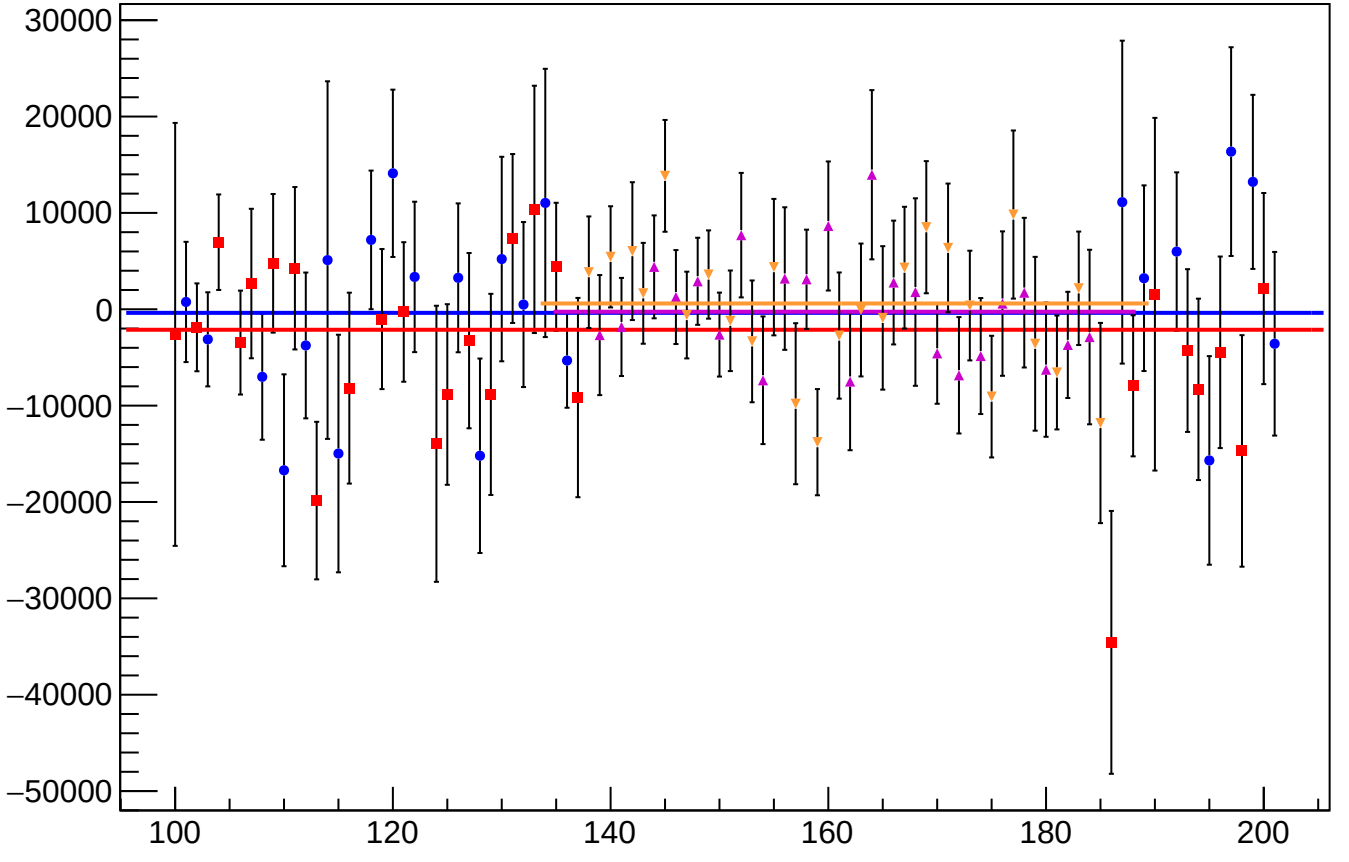
Right: 1672.223+/-0.235 χ^2/NDF: 559215.6/49

In: 1619.281+/-0.207 χ^2/NDF:377592.9/45

Out: 1622.461+/-0.201 χ^2/NDF:372327.2/51

All: 1620.916+/-0.144 χ^2/NDF: 750041.1/97

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



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: -2127.150+/-1568.231 χ^2/NDF: 23.8/26

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

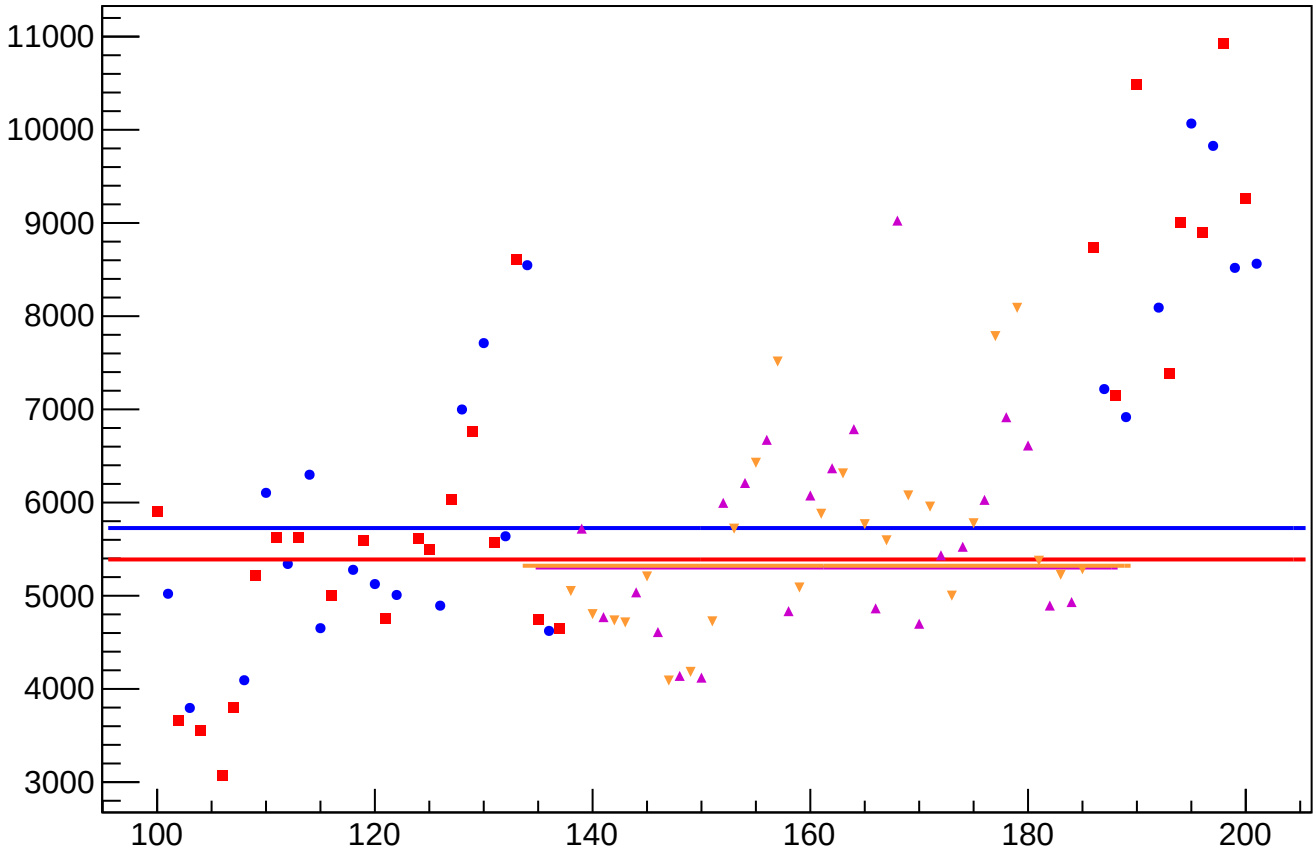
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1324.589+/-1155.402 χ^2/NDF: 46.6/49

In: -296.811+/-1015.472 χ^2/NDF:36.9/45

Out: -441.277+/-969.556 χ^2/NDF:51.7/51

All: -372.384+/-701.250 χ^2/NDF: 88.6/97



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: 5389.312+/-1.109 χ^2/NDF: 3016281.9/26

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

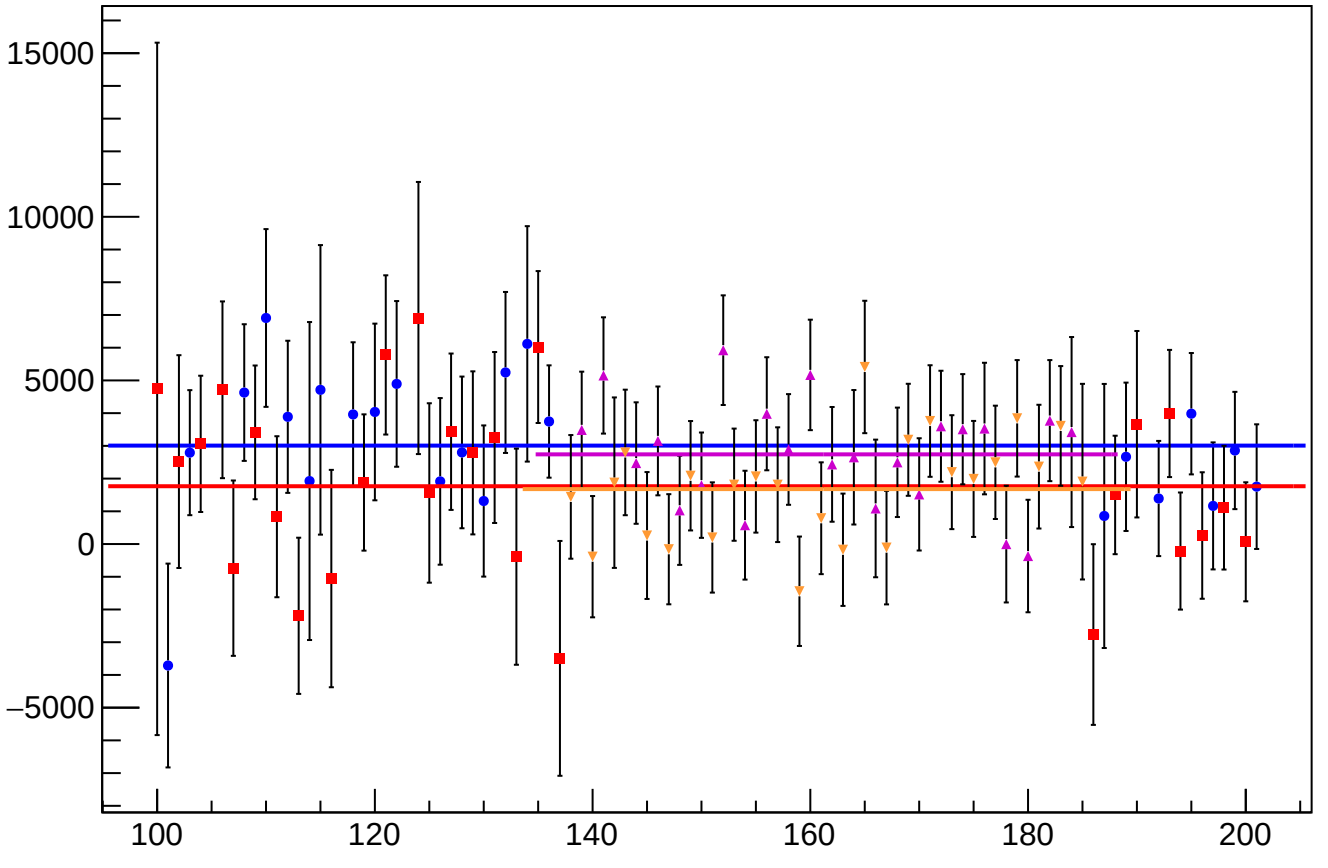
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5543.443+/-0.817 χ^2/NDF: 5078472.7/49

In: 5452.442+/-0.718 χ^2/NDF:3251807.3/45

Out: 5347.701+/-0.686 χ^2/NDF:4055570.3/51

All: 5397.650+/-0.496 χ^2/NDF: 7318508.3/97



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: 1766.572+/-461.458 χ^2/NDF: 25.3/26

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

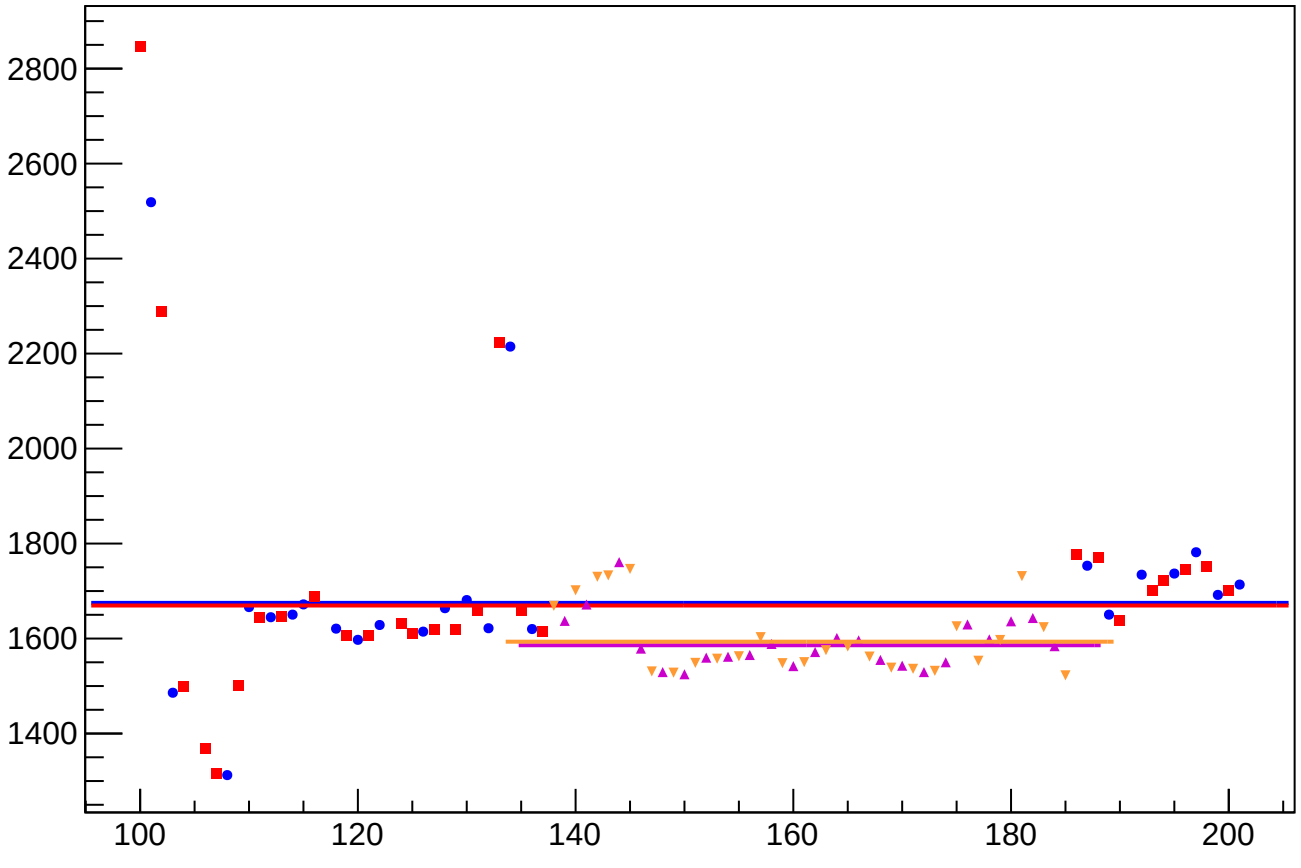
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2363.665+/-332.459 χ^2/NDF: 42.6/49

In: 2840.696+/-293.205 χ^2/NDF:33.2/45

Out: 1712.502+/-285.010 χ^2/NDF:44.3/51

All: 2260.613+/-204.368 χ^2/NDF: 85.1/97



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: 1669.555+/-0.326 χ^2/NDF: 266726.9/26

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

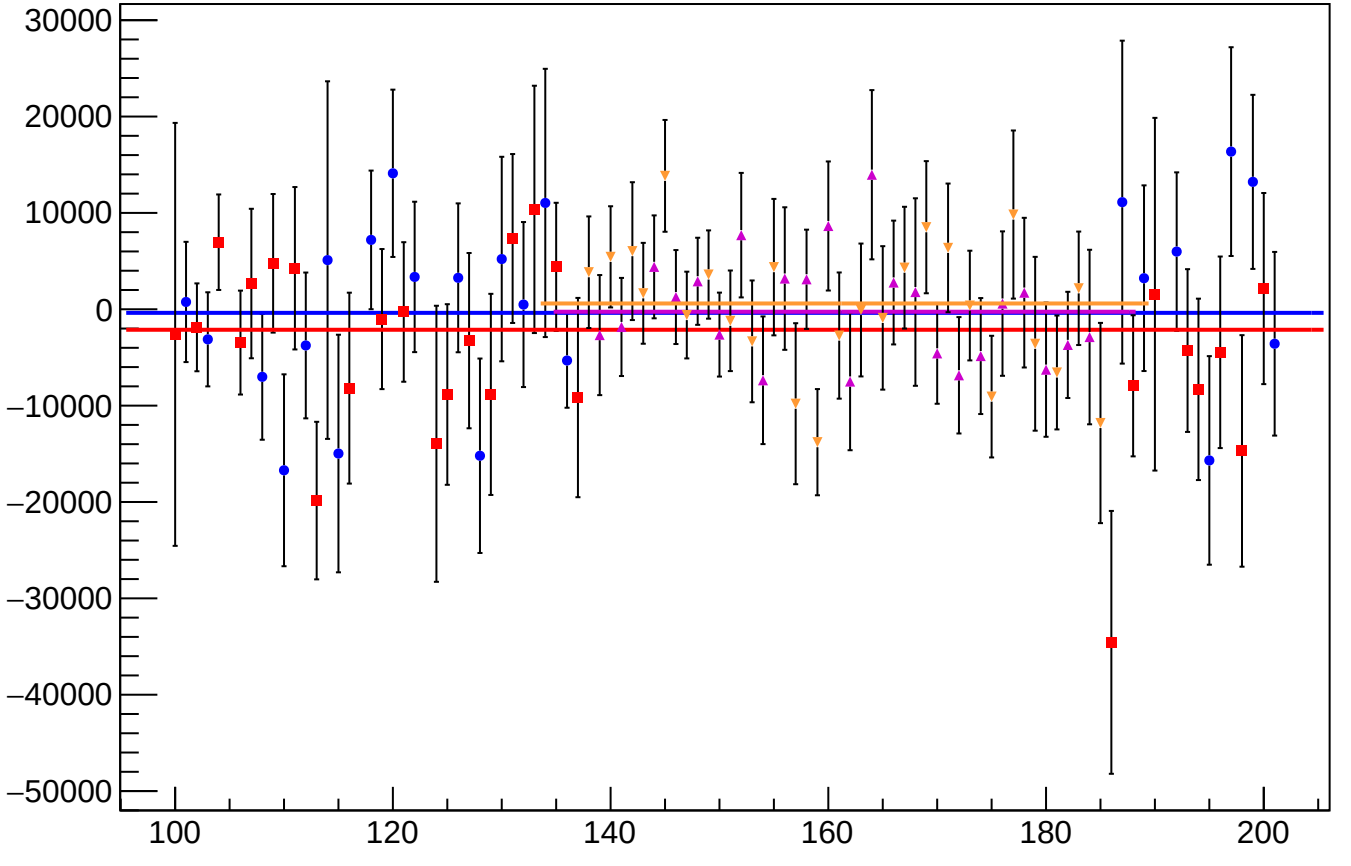
Right: 1672.222+/-0.235 χ^2/NDF: 559215.8/49

In: 1619.281+/-0.207 χ^2/NDF:377591.5/45

Out: 1622.461+/-0.201 χ^2/NDF:372326.2/51

All: 1620.917+/-0.144 χ^2/NDF: 750038.7/97

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -2127.147+/-1568.229 χ^2/NDF: 23.8/26

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

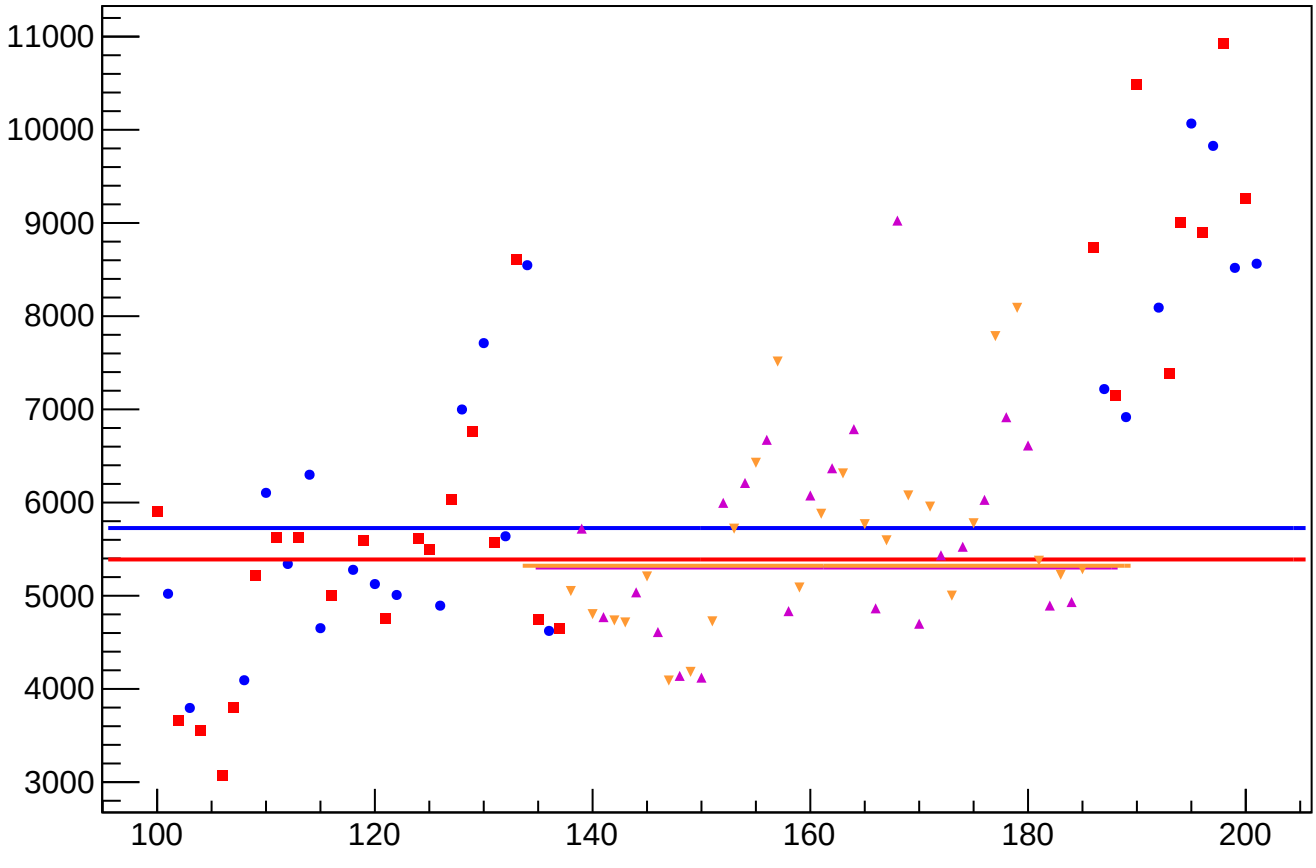
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1324.583+/-1155.401 χ^2/NDF: 46.6/49

In: -296.809+/-1015.472 χ^2/NDF:36.9/45

Out: -441.281+/-969.557 χ^2/NDF:51.7/51

All: -372.385+/-701.251 χ^2/NDF: 88.6/97



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: 5389.305+/-1.109 χ^2/NDF: 3016287.3/26

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

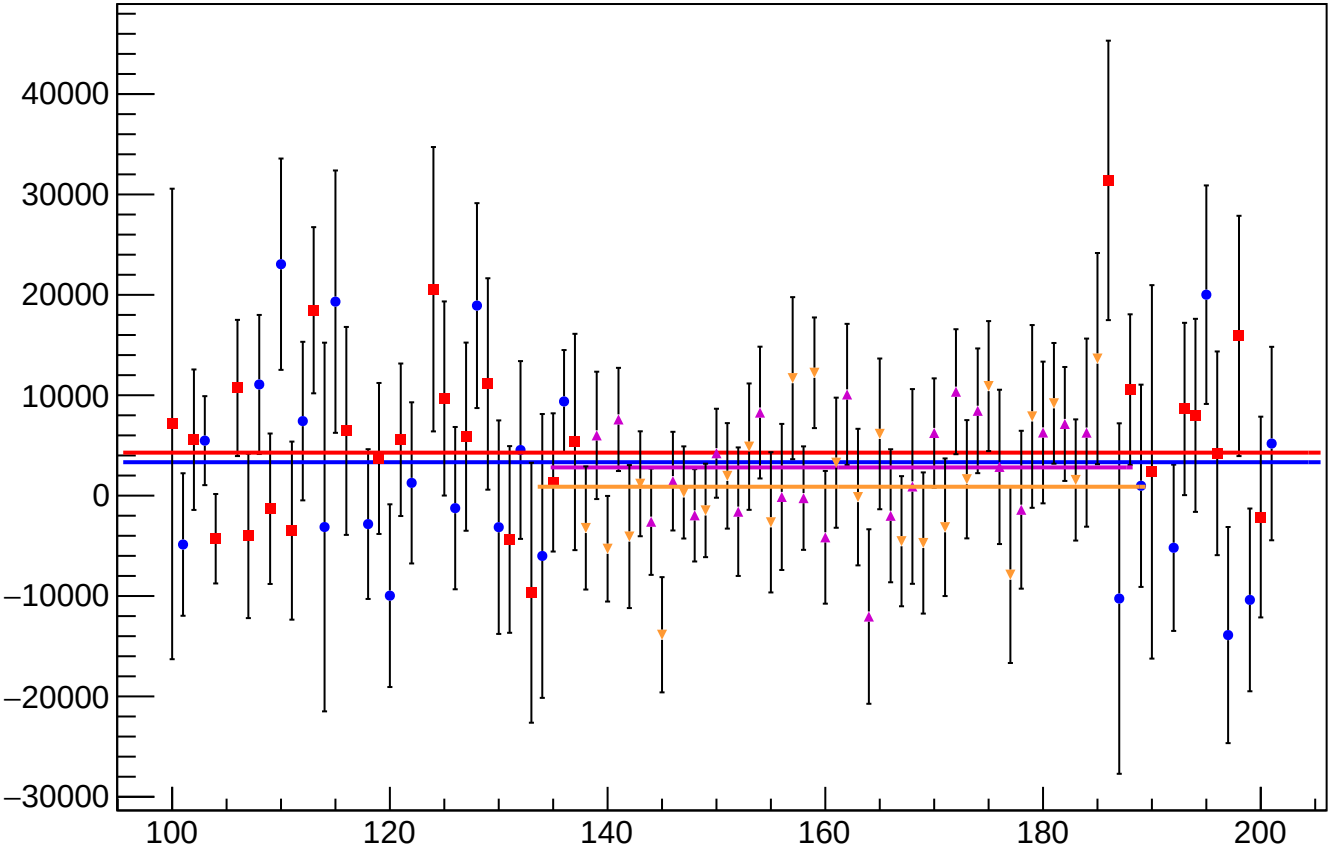
Right: 5543.436+/-0.817 χ^2/NDF: 5078484.5/49

In: 5452.446+/-0.718 χ^2/NDF:3251811.8/45

Out: 5347.705+/-0.686 χ^2/NDF:4055576.8/51

All: 5397.654+/-0.496 χ^2/NDF: 7318519.5/97

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: 4281.986+/-1669.032 χ^2/NDF: 20.6/26

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

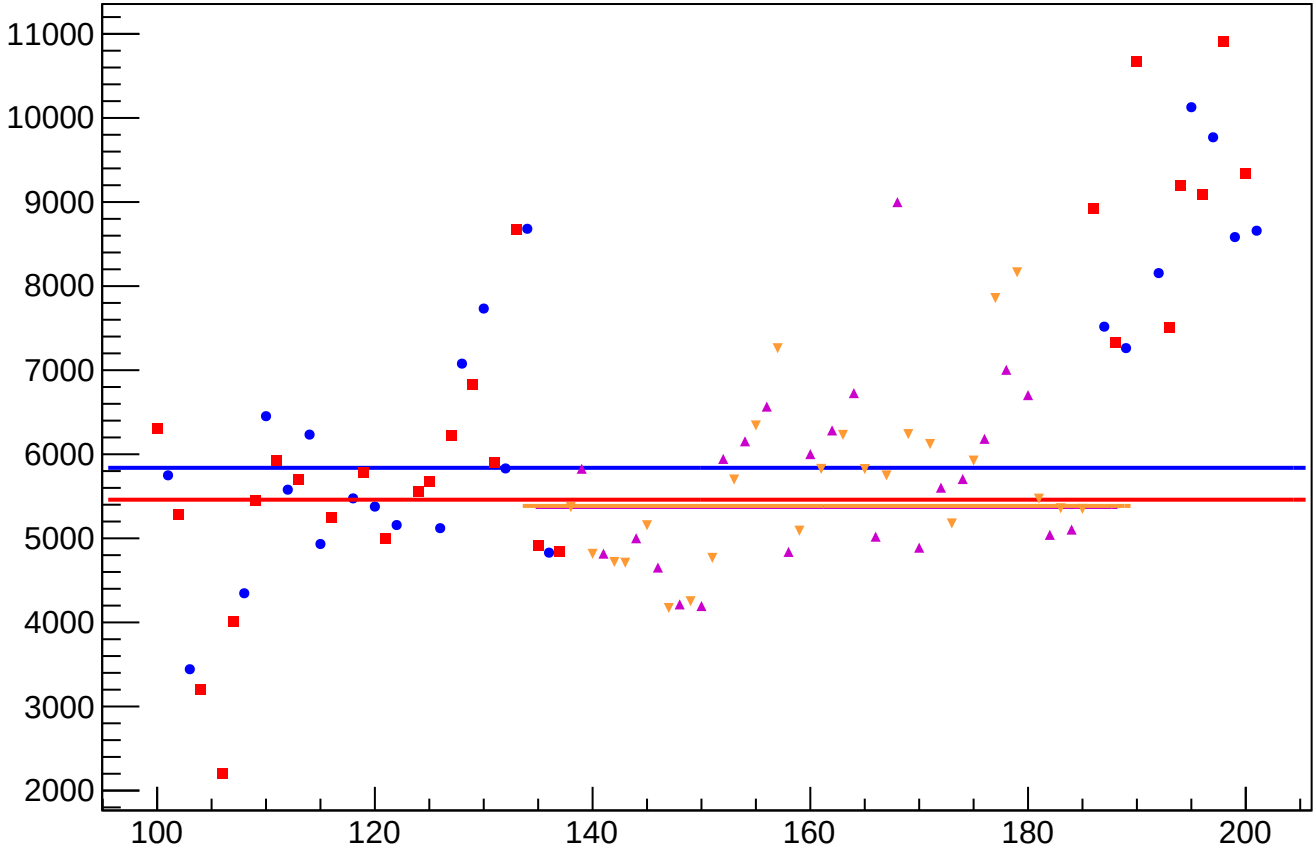
Right: 3826.678+/-1206.205 χ^2/NDF: 45.7/49

In: 2991.440+/-1030.684 χ^2/NDF:39.7/45

Out: 2101.623+/-998.713 χ^2/NDF:48.9/51

All: 2532.516+/-717.233 χ^2/NDF: 89.0/97

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: 5459.699+/-1.144 χ^2/NDF: 3536305.3/26

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

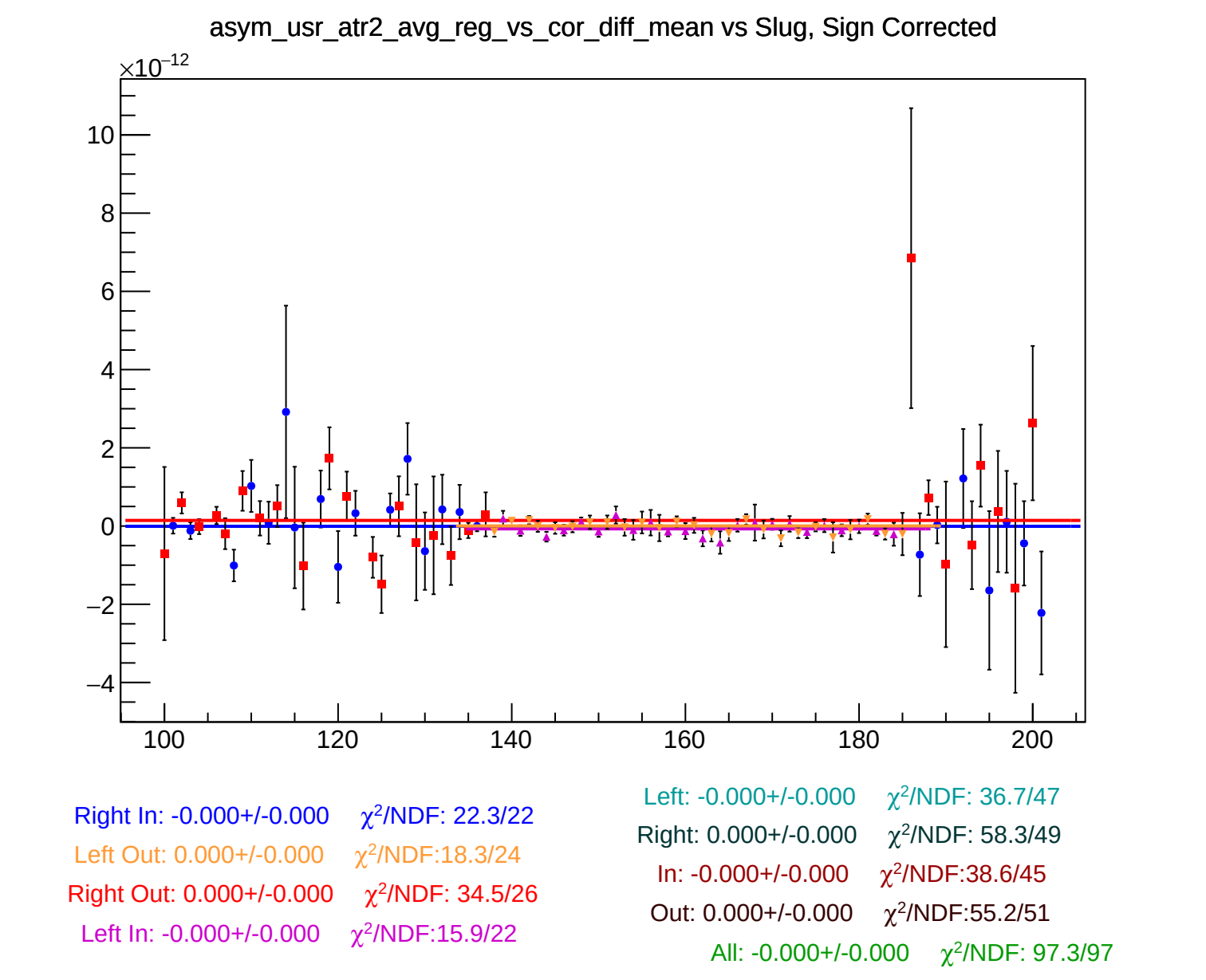
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

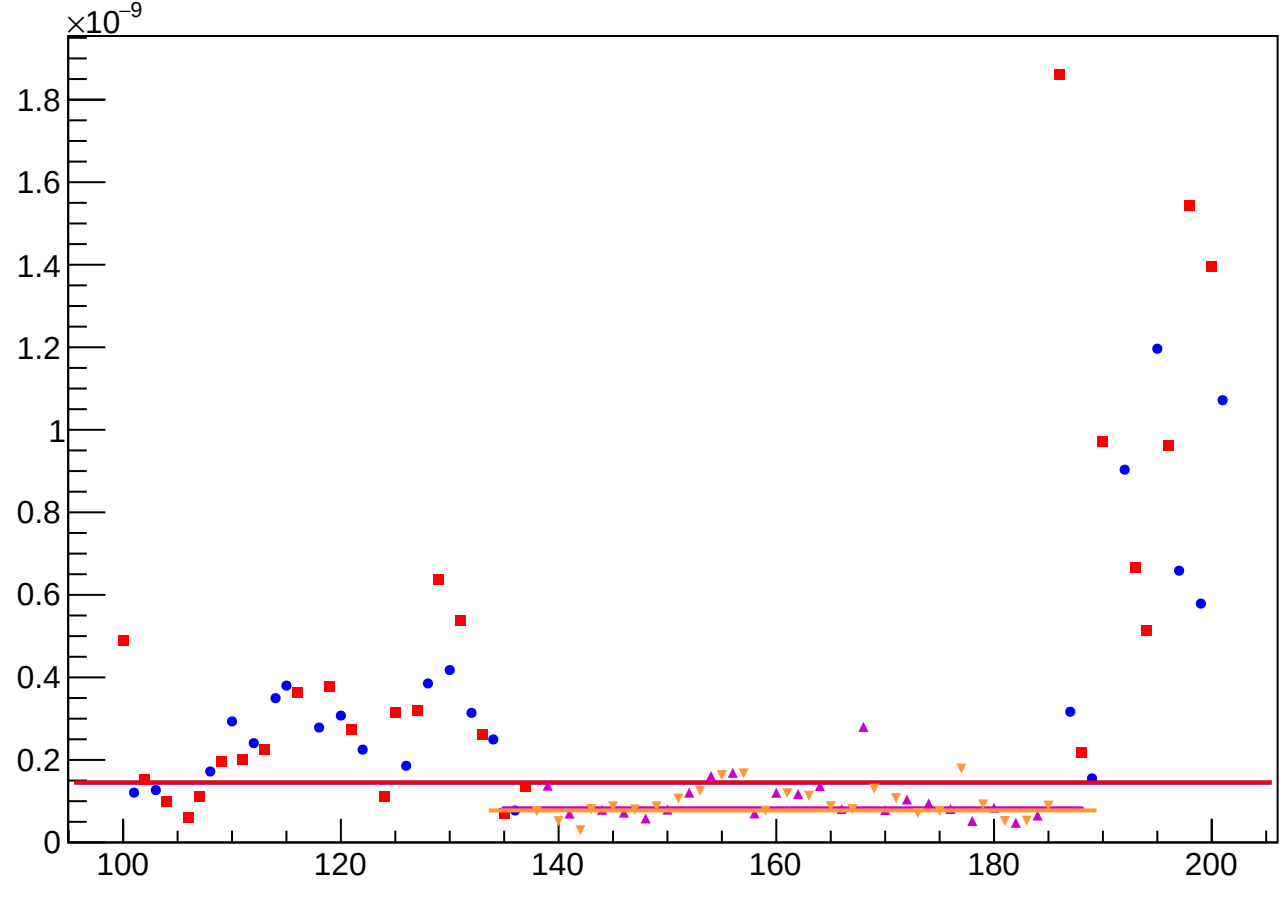
Right: 5634.922+/-0.839 χ^2/NDF: 5720947.6/49

In: 5535.358+/-0.729 χ^2/NDF:3298543.4/45

Out: 5413.228+/-0.698 χ^2/NDF:4526022.8/51

All: 5471.680+/-0.504 χ^2/NDF: 7839207.8/97


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: 34.5/26
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: 58.3/49
In: -0.000+/-0.000 χ²/NDF:38.6/45
Out: 0.000+/-0.000 χ²/NDF:55.2/51
All: -0.000+/-0.000 χ²/NDF: 97.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 4028877.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5162537.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

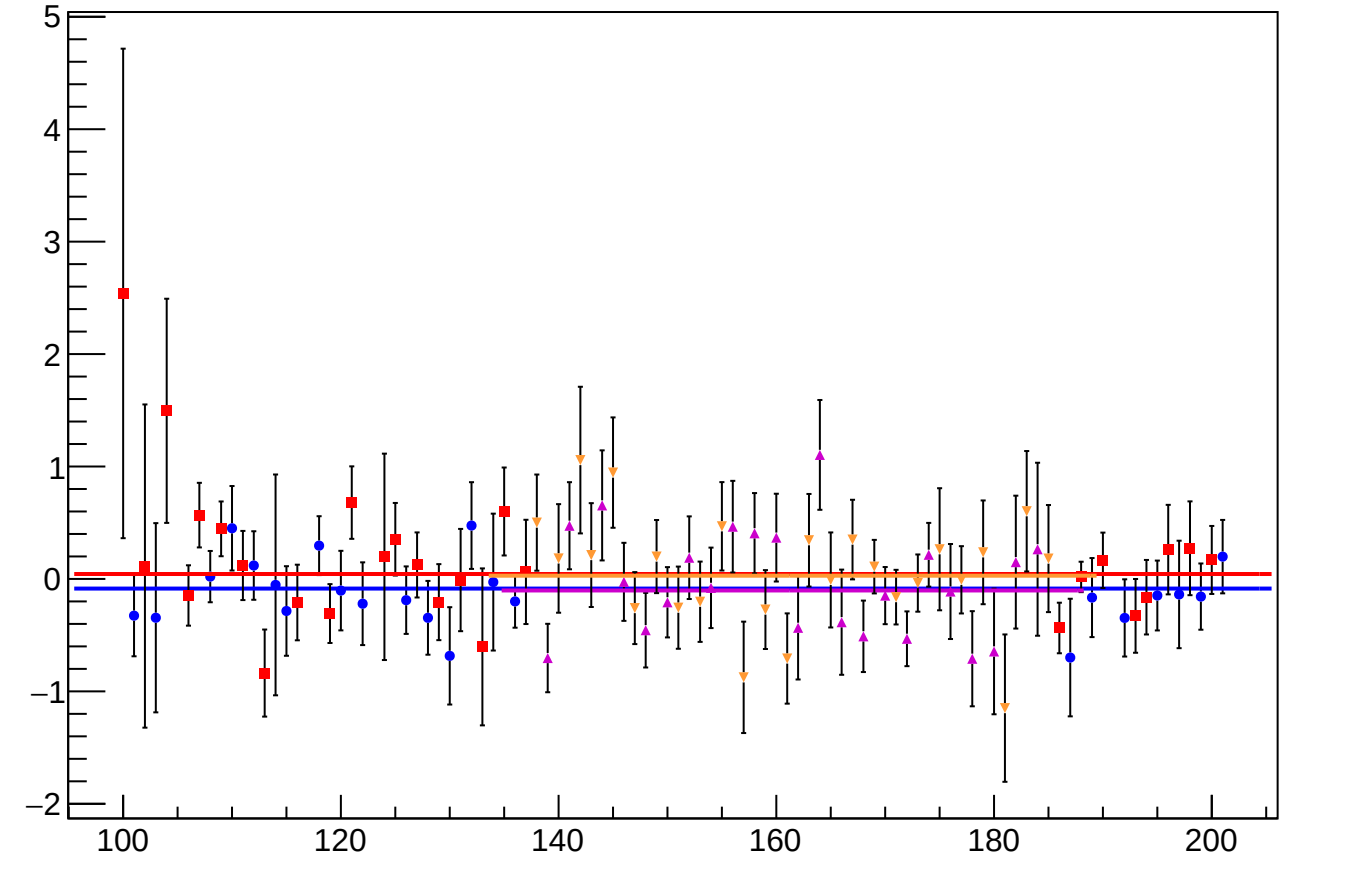
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9191431.0/49

In: 0.000+/-0.000 χ^2/NDF:6525444.7/45

Out: 0.000+/-0.000 χ^2/NDF:7877693.9/51

All: 0.000+/-0.000 χ^2/NDF: 14440968.7/97



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: 0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

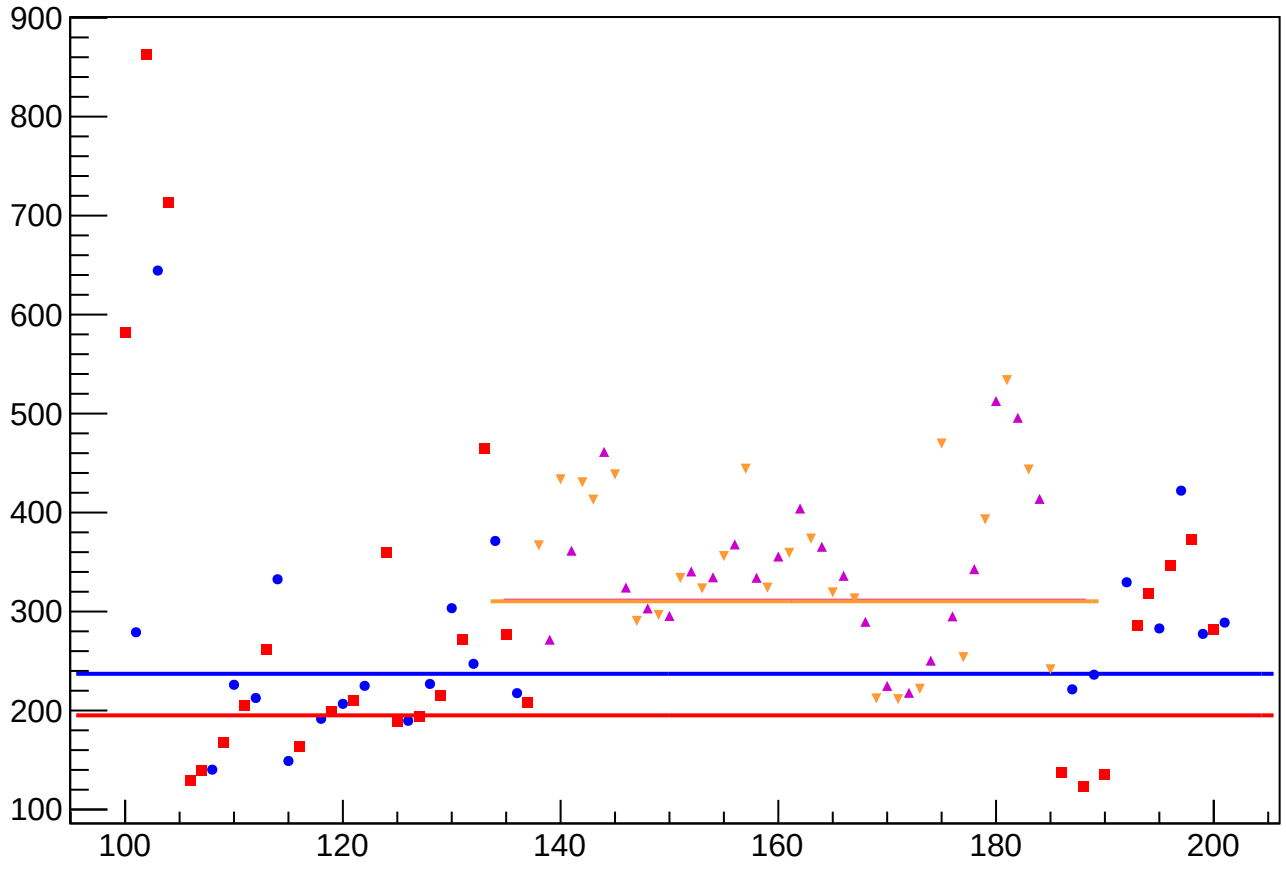
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.009+/-0.046 χ^2/NDF: 48.8/49

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.021+/-0.035 χ^2/NDF: 108.1/97



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: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

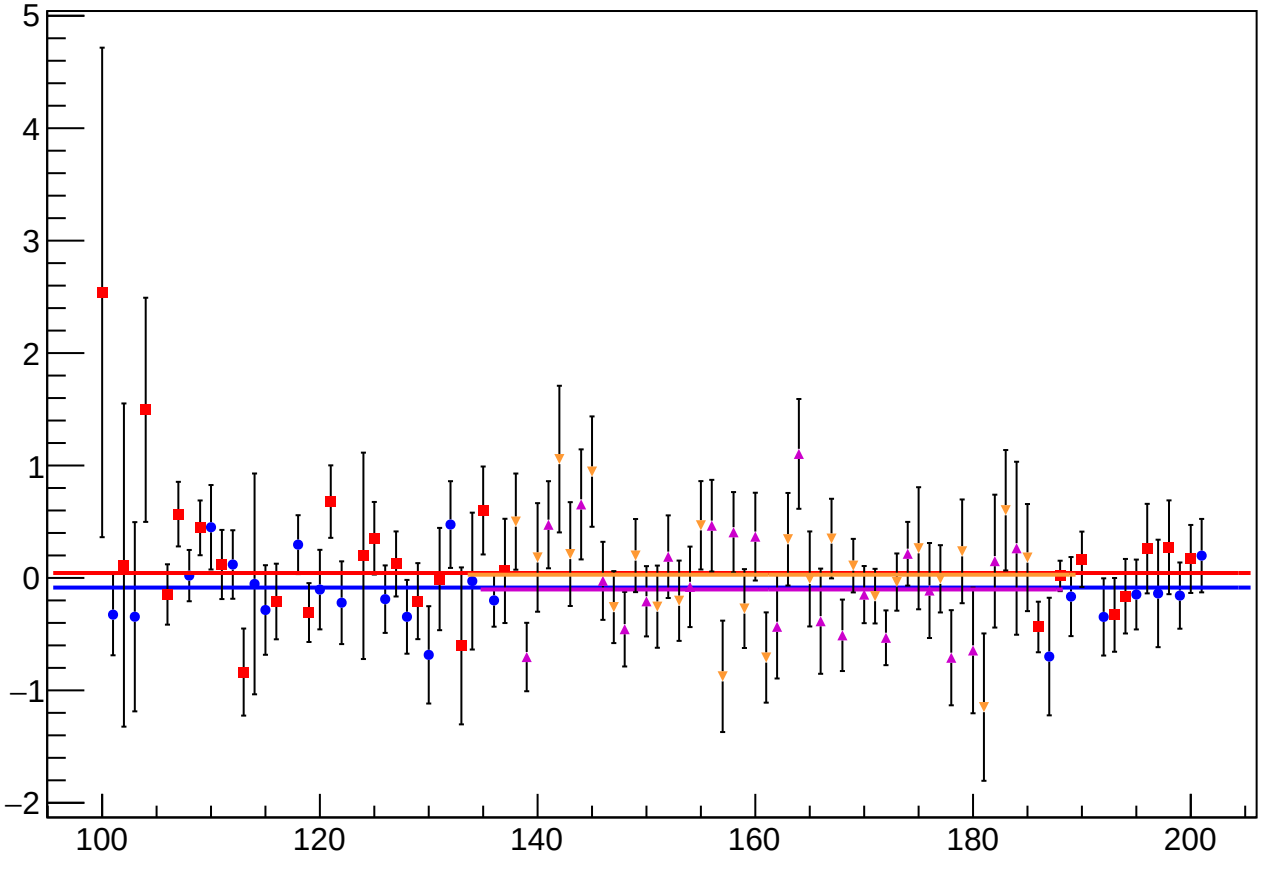
Right: 212.364+/-0.033 χ^2/NDF: 6173920.2/49

In: 271.925+/-0.037 χ^2/NDF:4446005.3/45

Out: 240.450+/-0.033 χ^2/NDF:9172619.4/51

All: 254.437+/-0.025 χ^2/NDF: 14020168.4/97

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: 0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

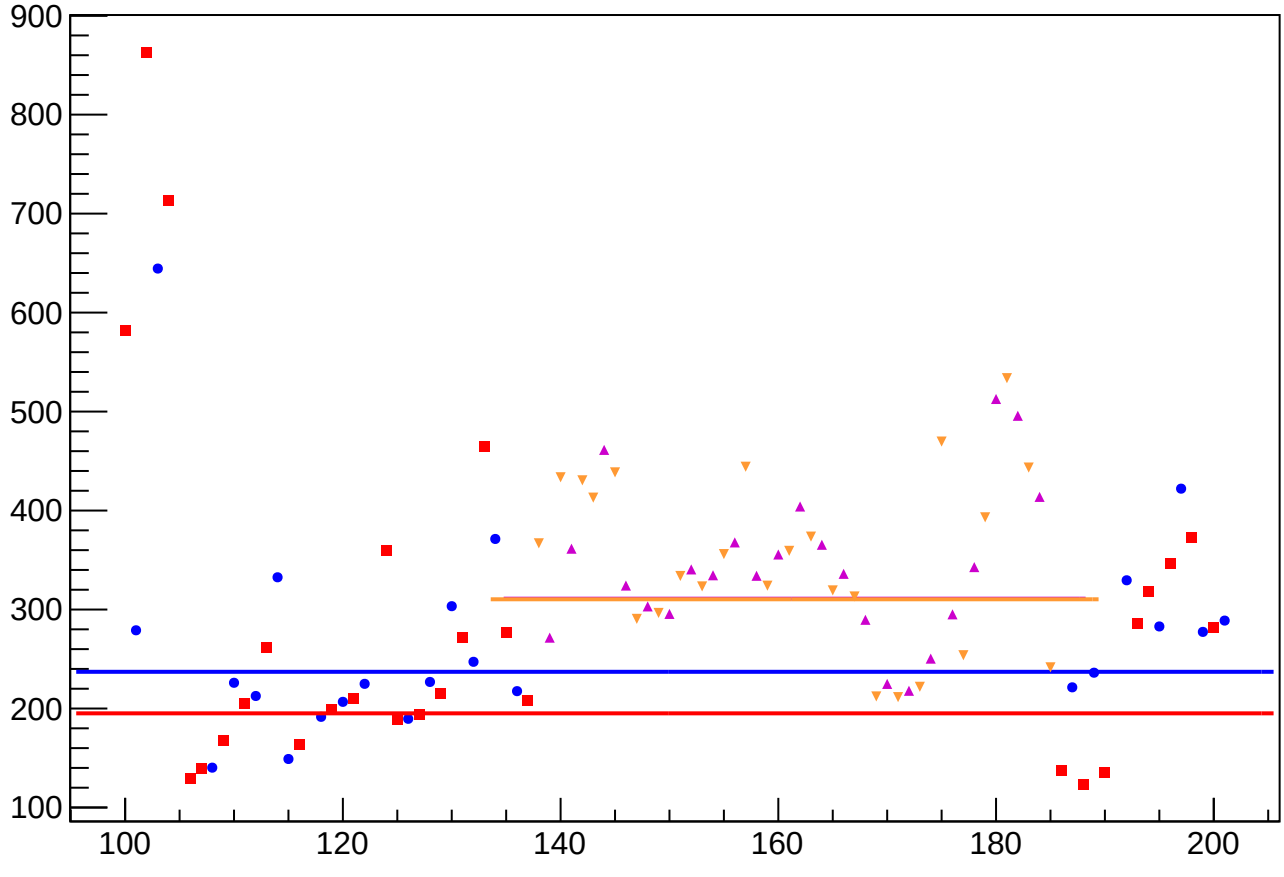
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.009+/-0.046 χ^2/NDF: 48.8/49

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.021+/-0.035 χ^2/NDF: 108.1/97



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: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

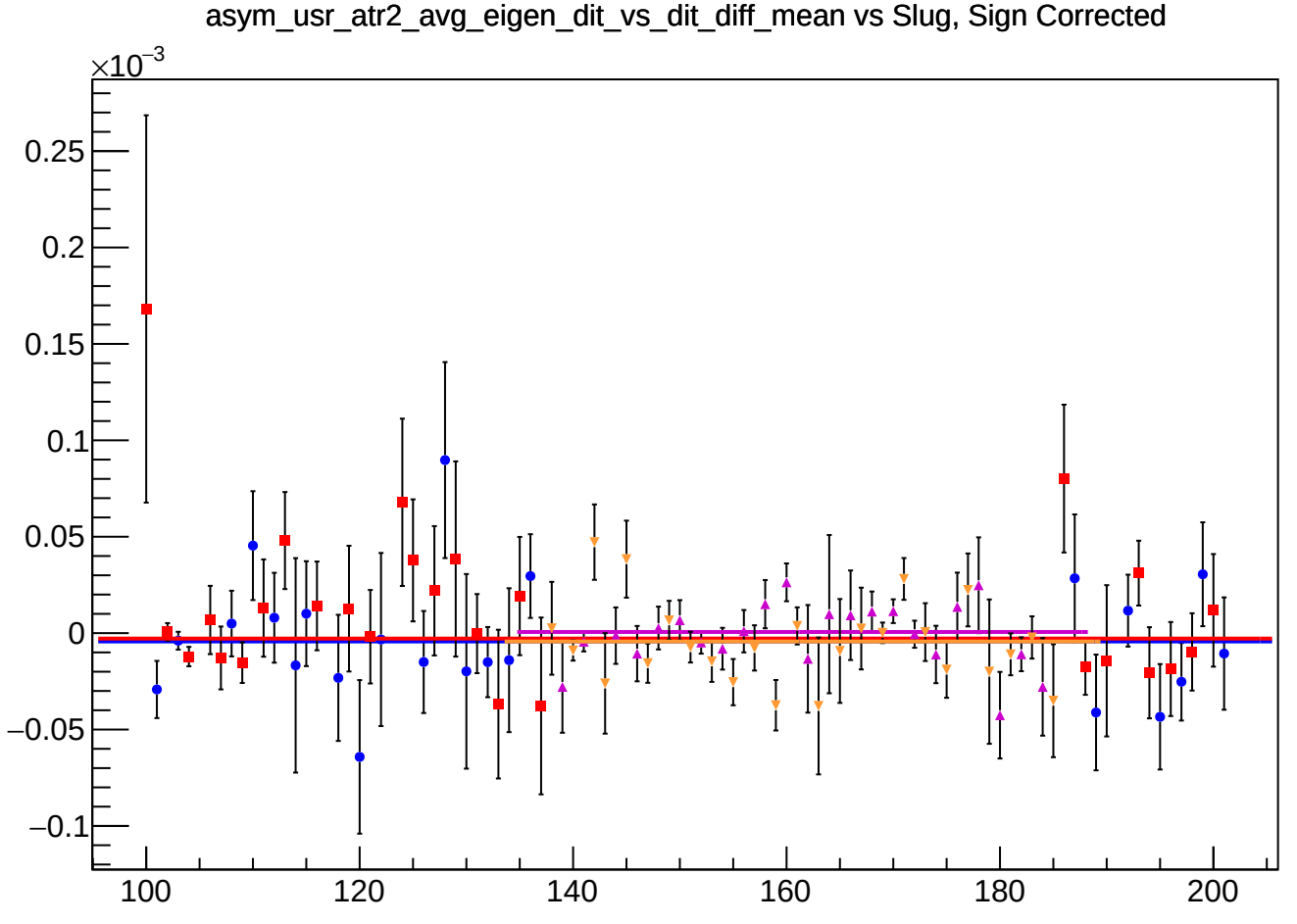
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 212.364+/-0.033 χ^2/NDF: 6173920.2/49

In: 271.925+/-0.037 χ^2/NDF:4446005.3/45

Out: 240.450+/-0.033 χ^2/NDF:9172619.4/51

All: 254.437+/-0.025 χ^2/NDF: 14020168.4/97



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: 32.8/26

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

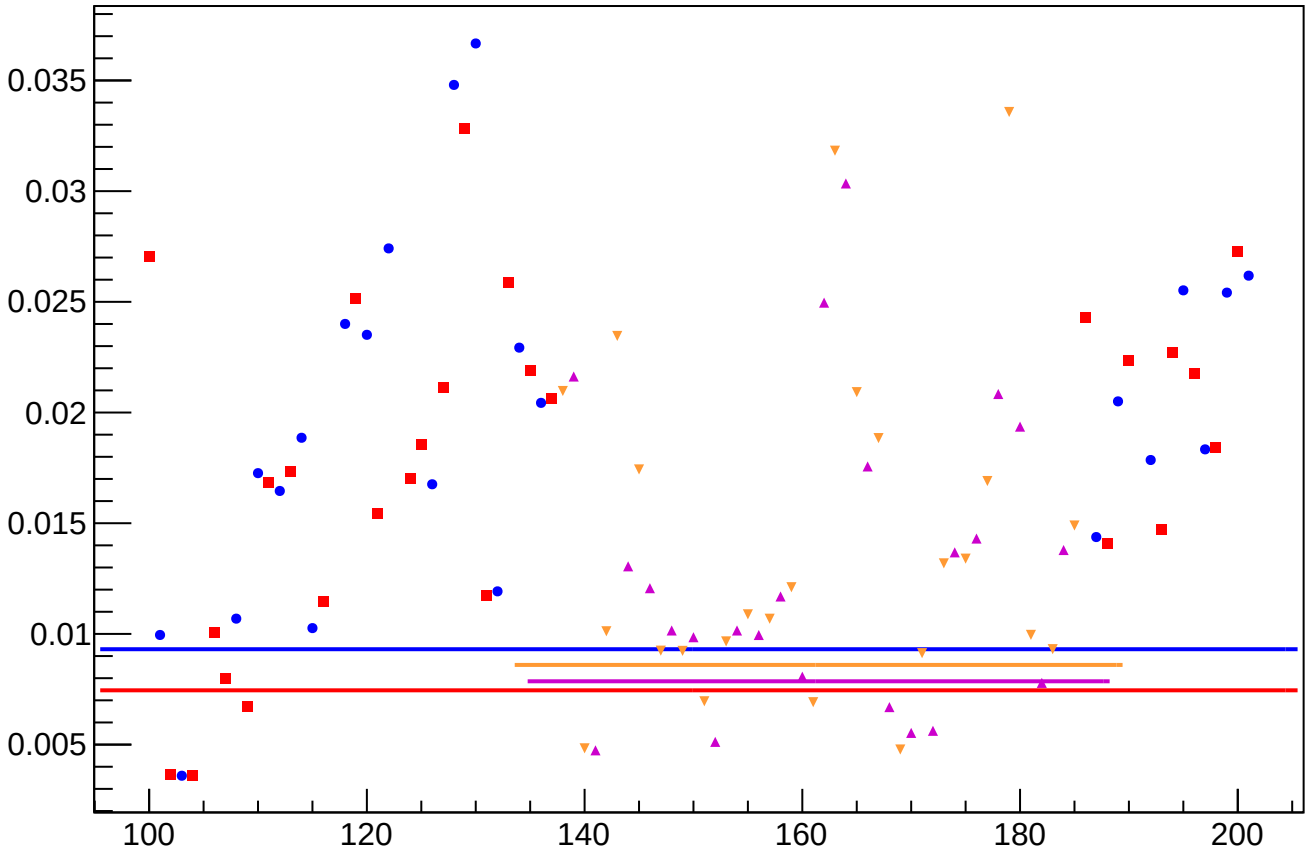
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 57.0/49

In: -0.000+/-0.000 χ^2/NDF:52.0/45

Out: -0.000+/-0.000 χ^2/NDF:75.3/51

All: -0.000+/-0.000 χ^2/NDF: 128.7/97



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: 0.007+/-0.000 χ^2/NDF: 10970595.5/26

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

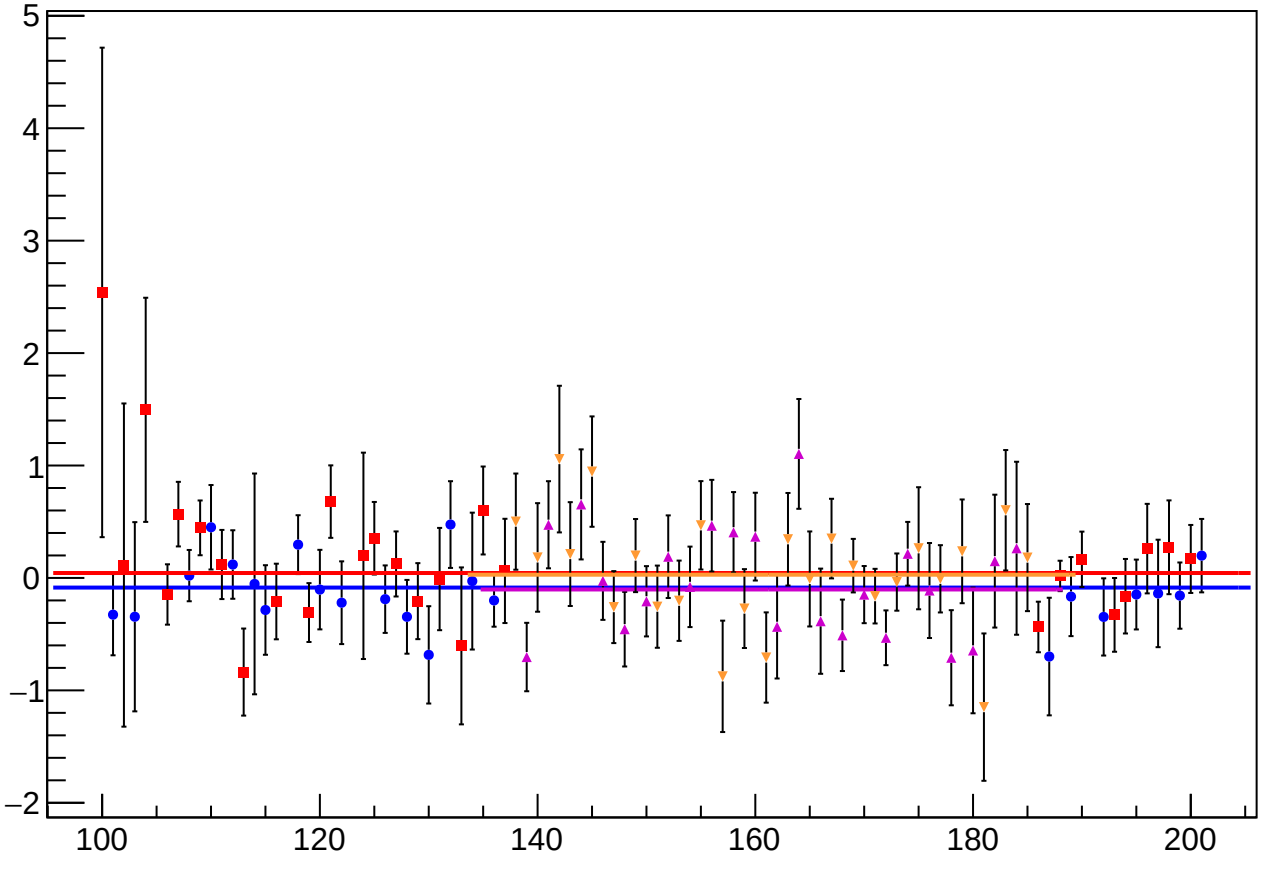
Right: 0.008+/-0.000 χ^2/NDF: 21101555.6/49

In: 0.008+/-0.000 χ^2/NDF:16808617.8/45

Out: 0.008+/-0.000 χ^2/NDF:18836202.6/51

All: 0.008+/-0.000 χ^2/NDF: 35649434.7/97

asym_usr_atr2_avg_eigen_dit_vs_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: 0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

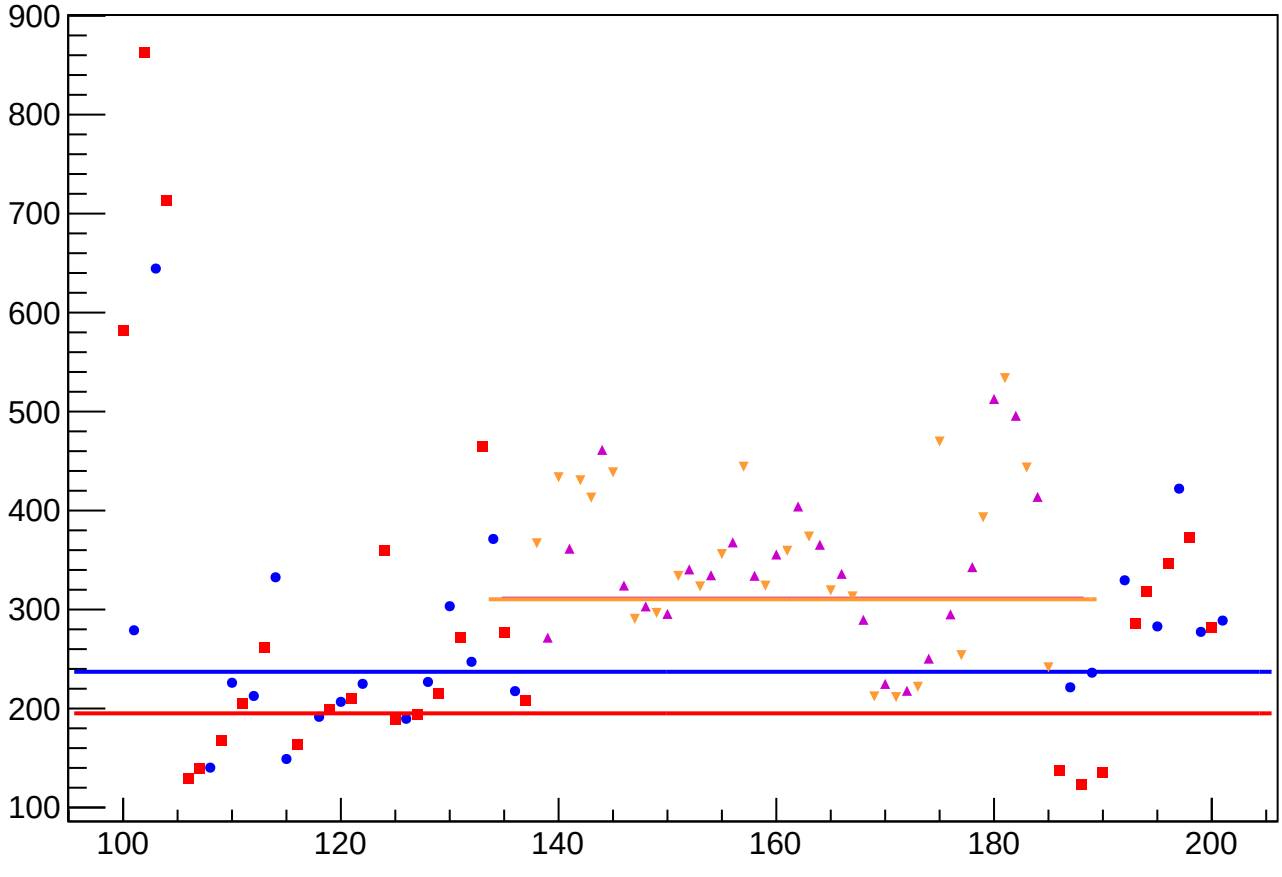
Right: -0.009+/-0.046 χ^2/NDF: 48.8/49

In: -0.094+/-0.052 χ^2/NDF:46.0/45

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.021+/-0.035 χ^2/NDF: 108.1/97

asym_usr_atr2_avg_eigen_dit_vs_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: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

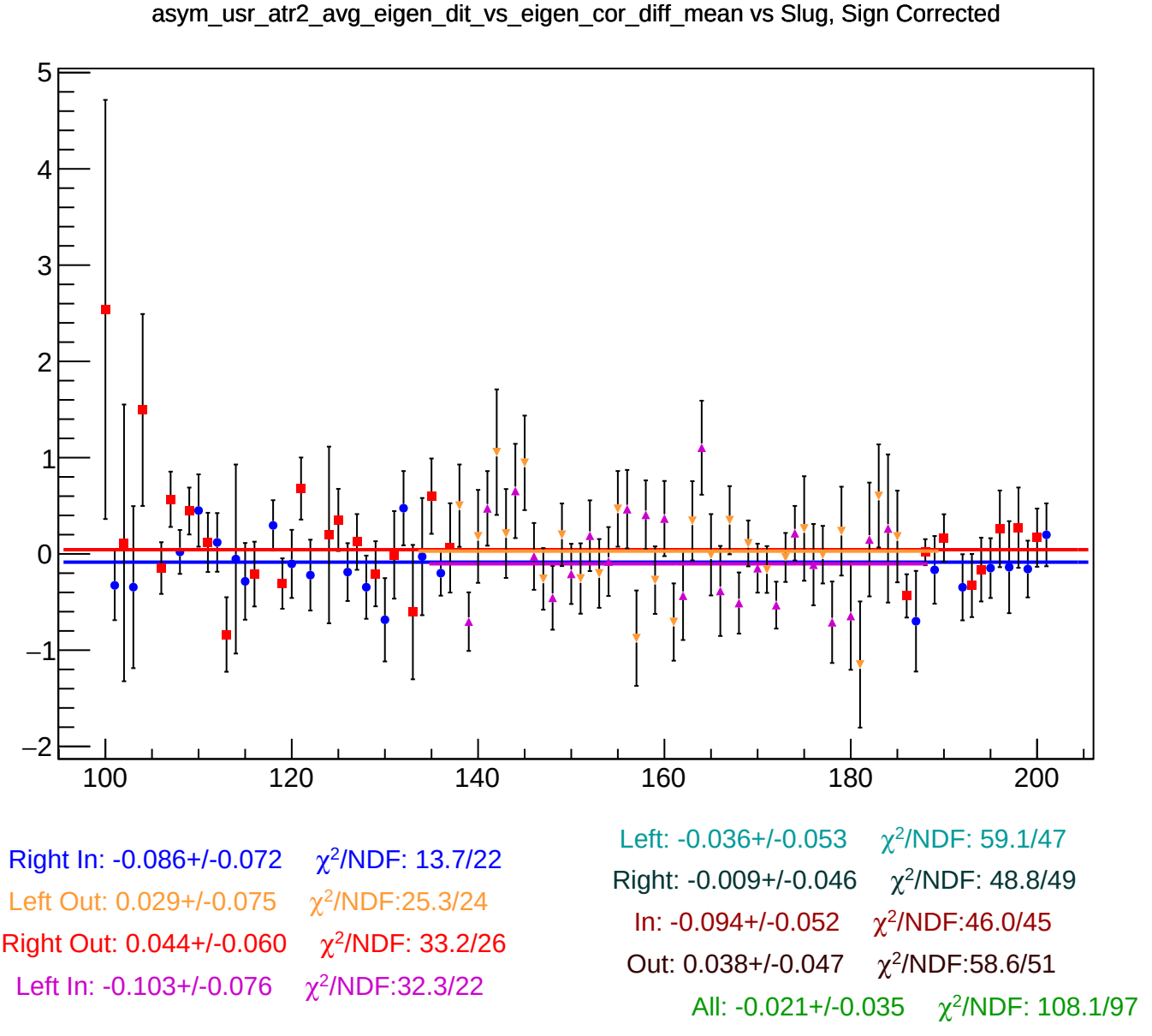
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 212.361+/-0.033 χ^2/NDF: 6174078.1/49

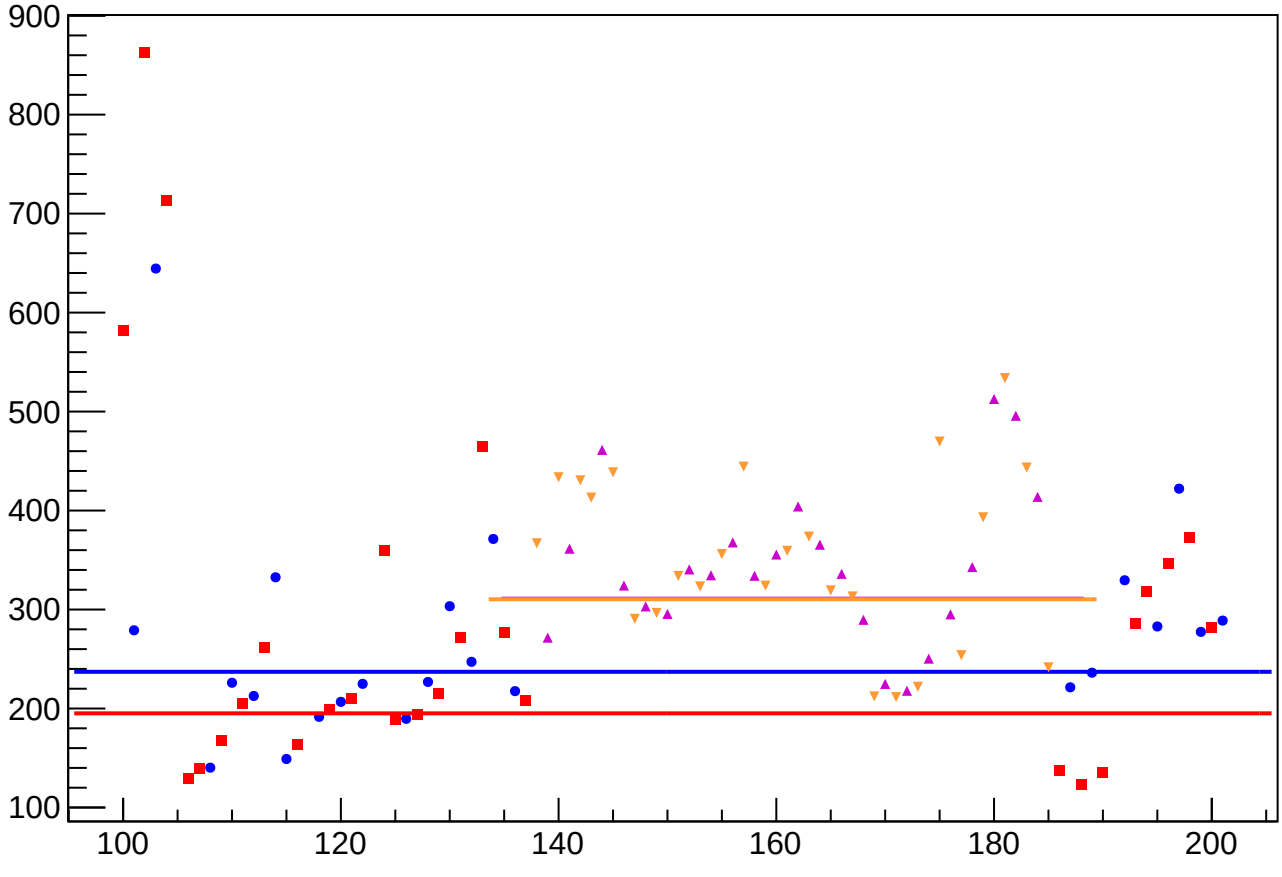
In: 271.926+/-0.037 χ^2/NDF:4446122.8/45

Out: 240.449+/-0.033 χ^2/NDF:9173100.2/51

All: 254.436+/-0.025 χ^2/NDF: 14020822.0/97


asym_usr_atr2_avg_eigen_dit_vs_eigen_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: 0.044+/-0.060 χ²/NDF: 33.2/26
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.009+/-0.046 χ²/NDF: 48.8/49
In: -0.094+/-0.052 χ²/NDF:46.0/45
Out: 0.038+/-0.047 χ²/NDF:58.6/51
All: -0.021+/-0.035 χ²/NDF: 108.1/97

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: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

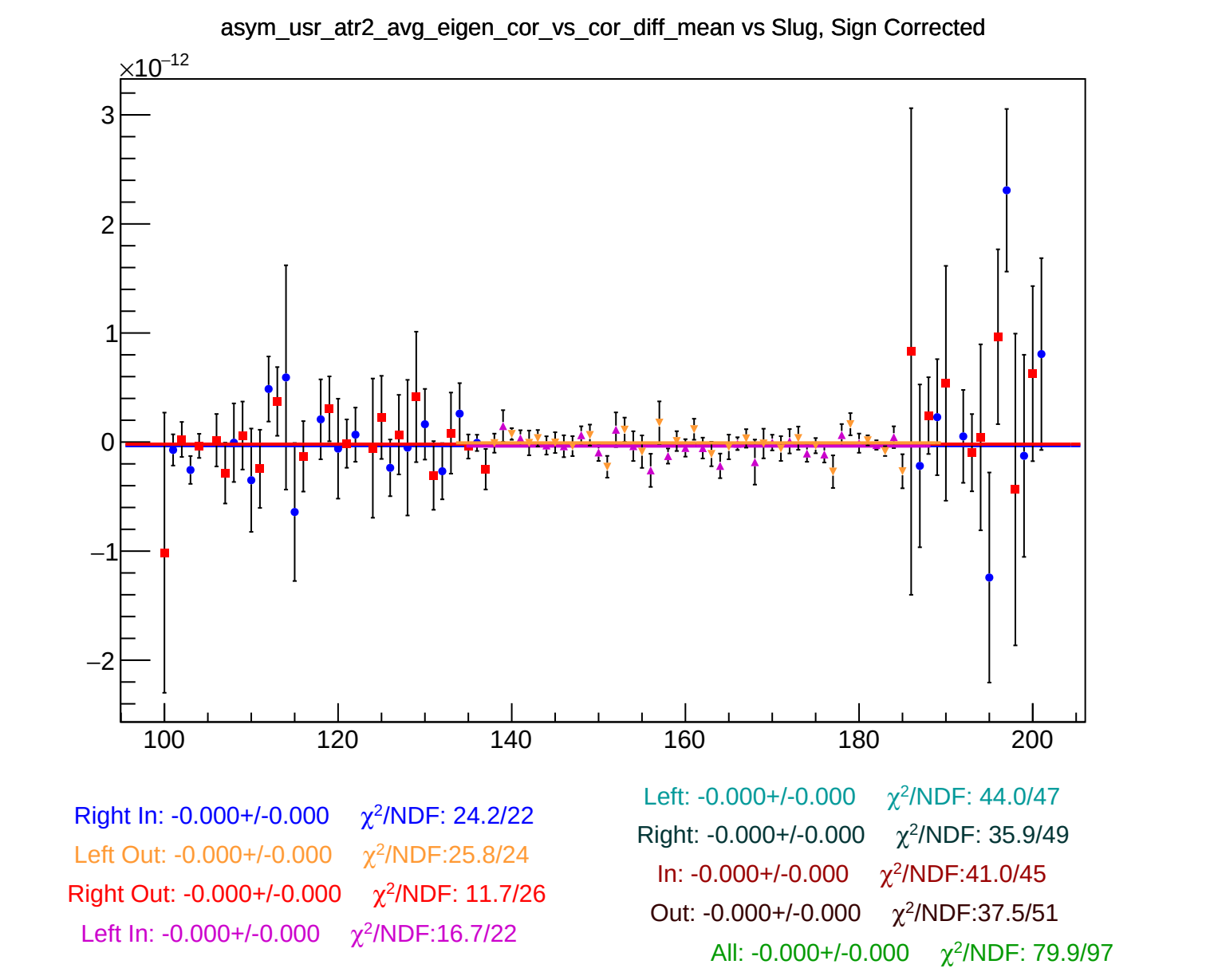
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

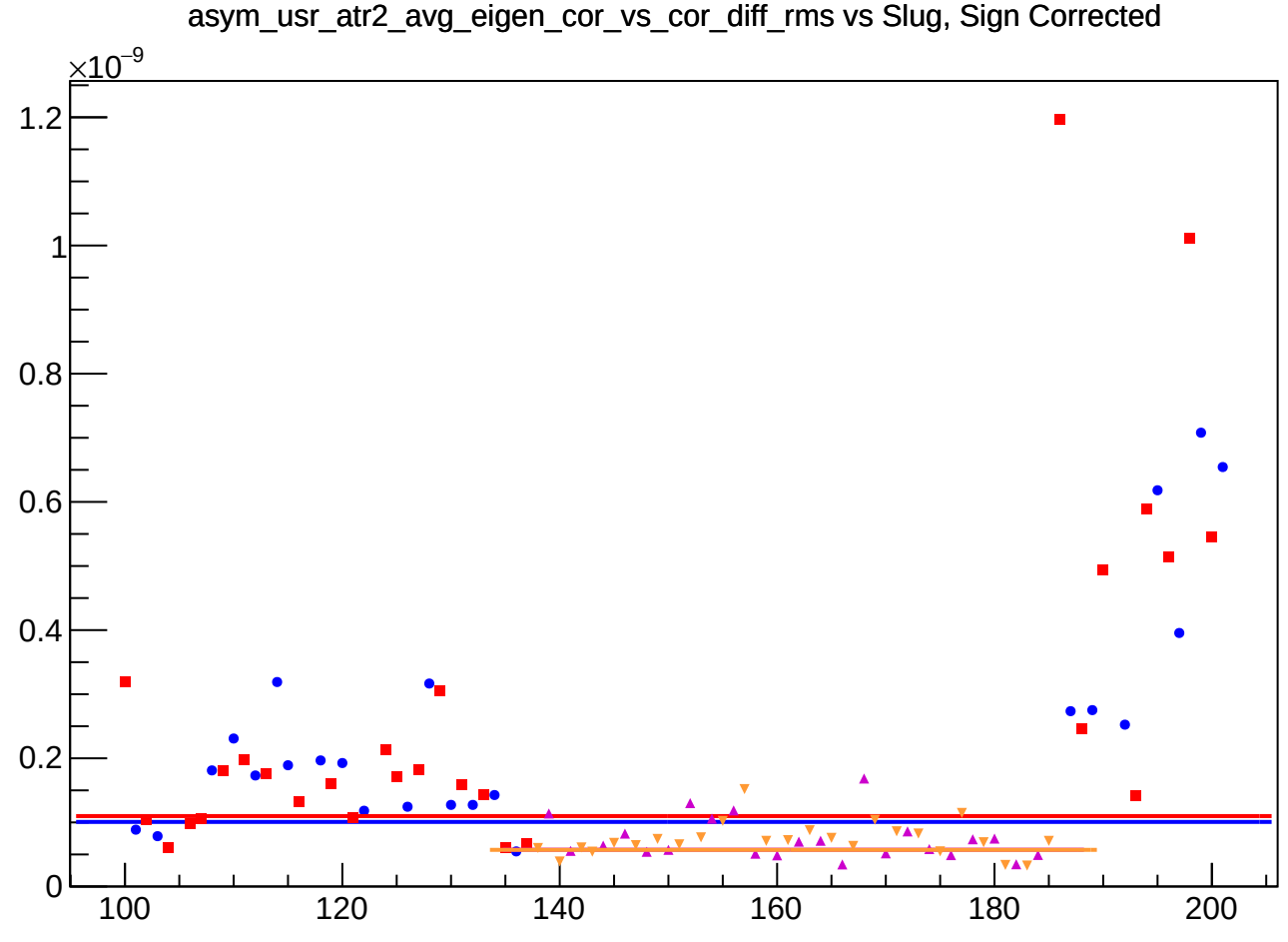
Right: 212.361+/-0.033 χ^2/NDF: 6174078.1/49

In: 271.926+/-0.037 χ^2/NDF:4446122.8/45

Out: 240.449+/-0.033 χ^2/NDF:9173100.2/51

All: 254.436+/-0.025 χ^2/NDF: 14020822.0/97


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: 11.7/26
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: 35.9/49
In: -0.000+/-0.000 χ²/NDF:41.0/45
Out: -0.000+/-0.000 χ²/NDF:37.5/51
All: -0.000+/-0.000 χ²/NDF: 79.9/97



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: 5369277.5/26

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

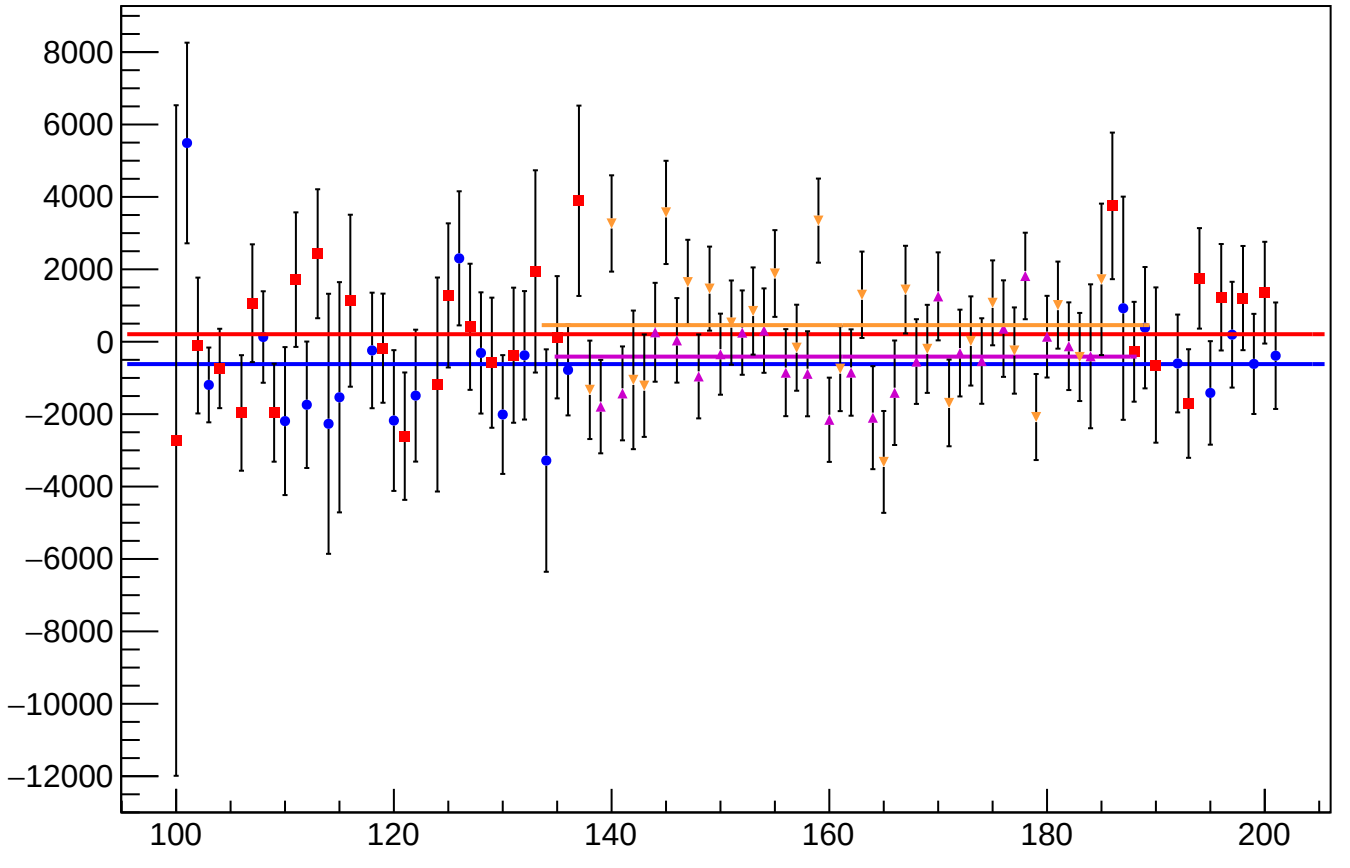
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10419041.5/49

In: 0.000+/-0.000 χ^2/NDF:9708862.2/45

Out: 0.000+/-0.000 χ^2/NDF:10656442.4/51

All: 0.000+/-0.000 χ^2/NDF: 20365689.6/97



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: 208.003+/-327.732 χ^2/NDF: 21.6/26

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

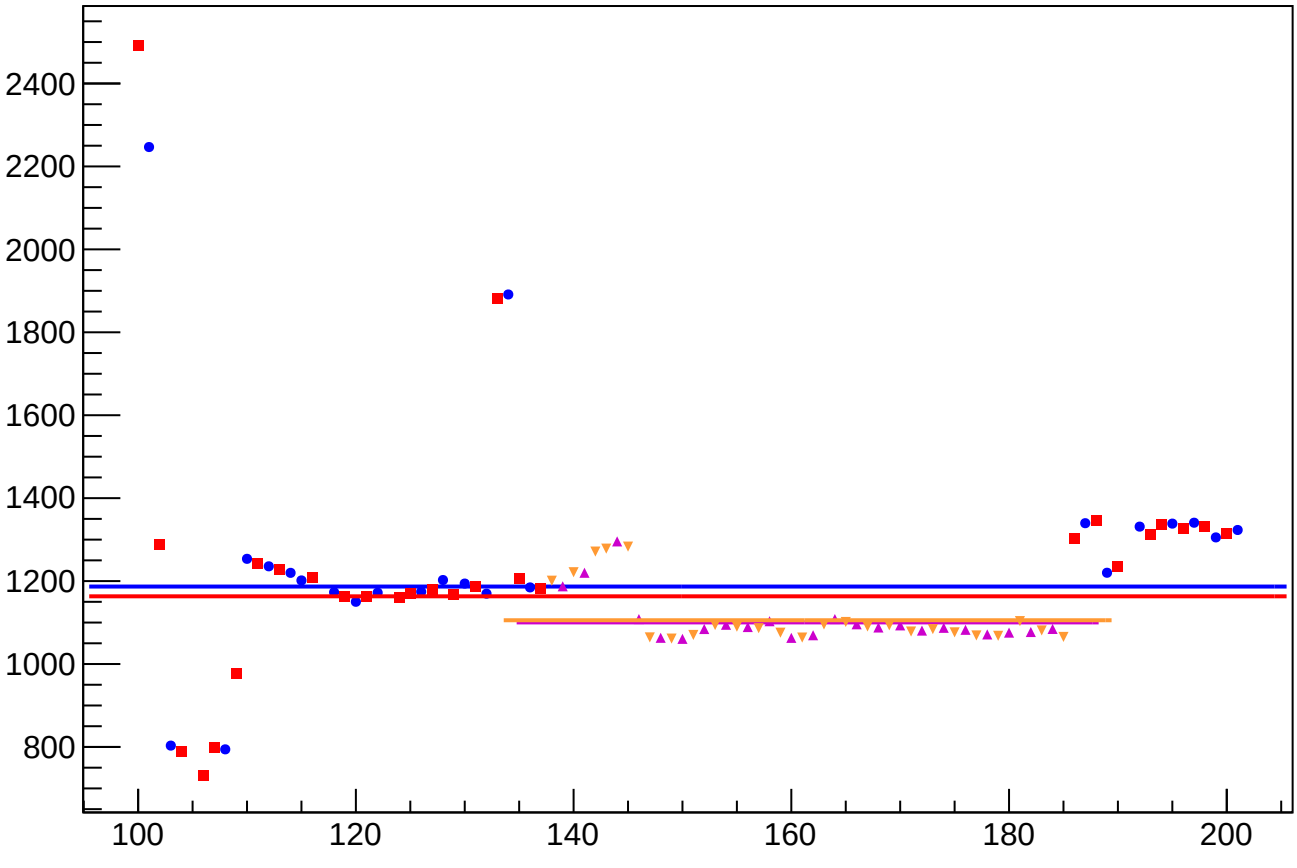
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -184.274+/-237.440 χ^2/NDF: 37.6/49

In: -485.137+/-206.092 χ^2/NDF:26.9/45

Out: 365.818+/-199.541 χ^2/NDF:64.0/51

All: -45.920+/-143.357 χ^2/NDF: 99.7/97



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: 1163.265+/-0.231 χ^2/NDF: 917891.9/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

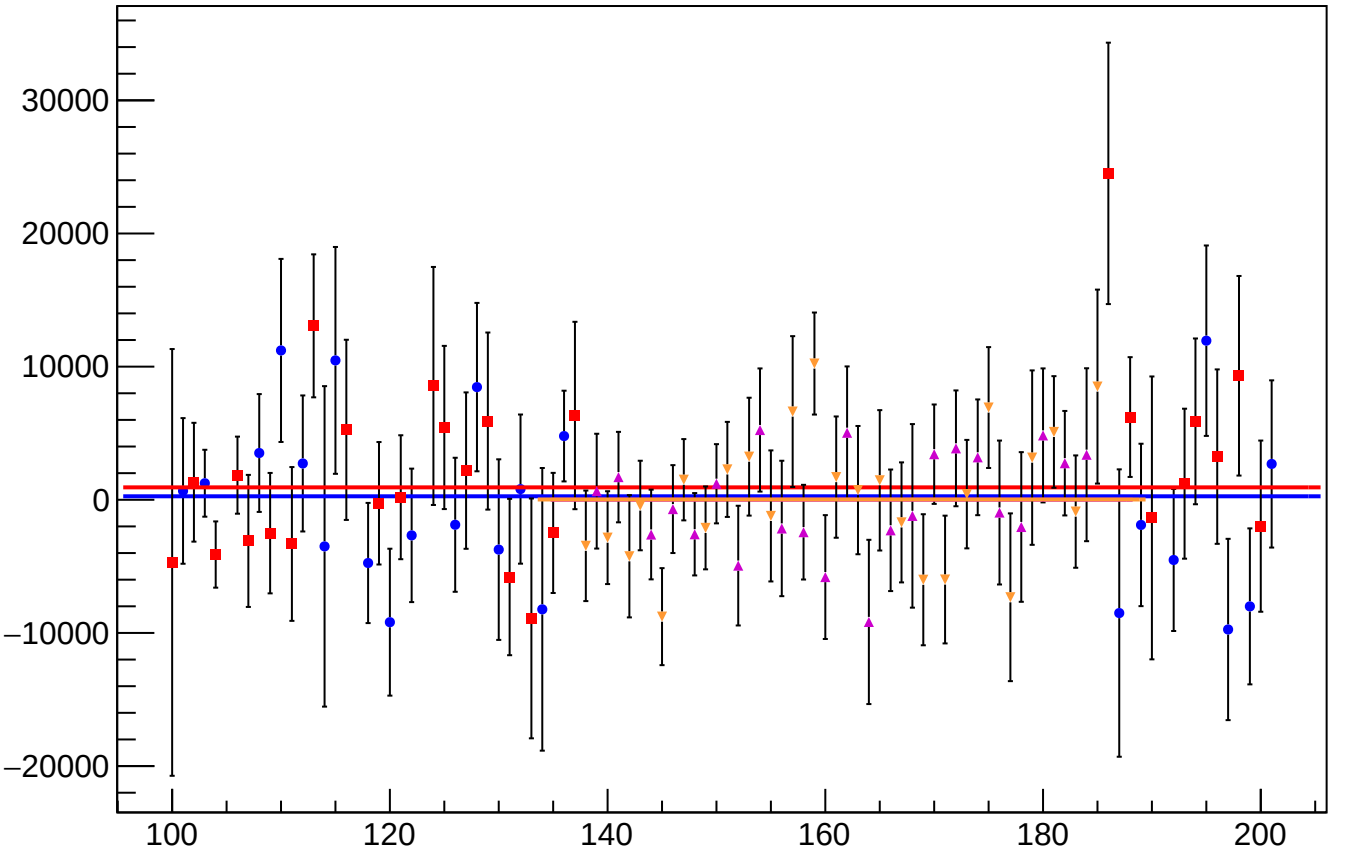
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1174.401+/-0.167 χ^2/NDF: 1900270.0/49

In: 1131.306+/-0.146 χ^2/NDF:1138619.9/45

Out: 1127.087+/-0.141 χ^2/NDF:1079136.0/51

All: 1129.124+/-0.101 χ^2/NDF: 2218189.3/97



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: 933.227+/-1001.377 χ^2/NDF: 26.7/26

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

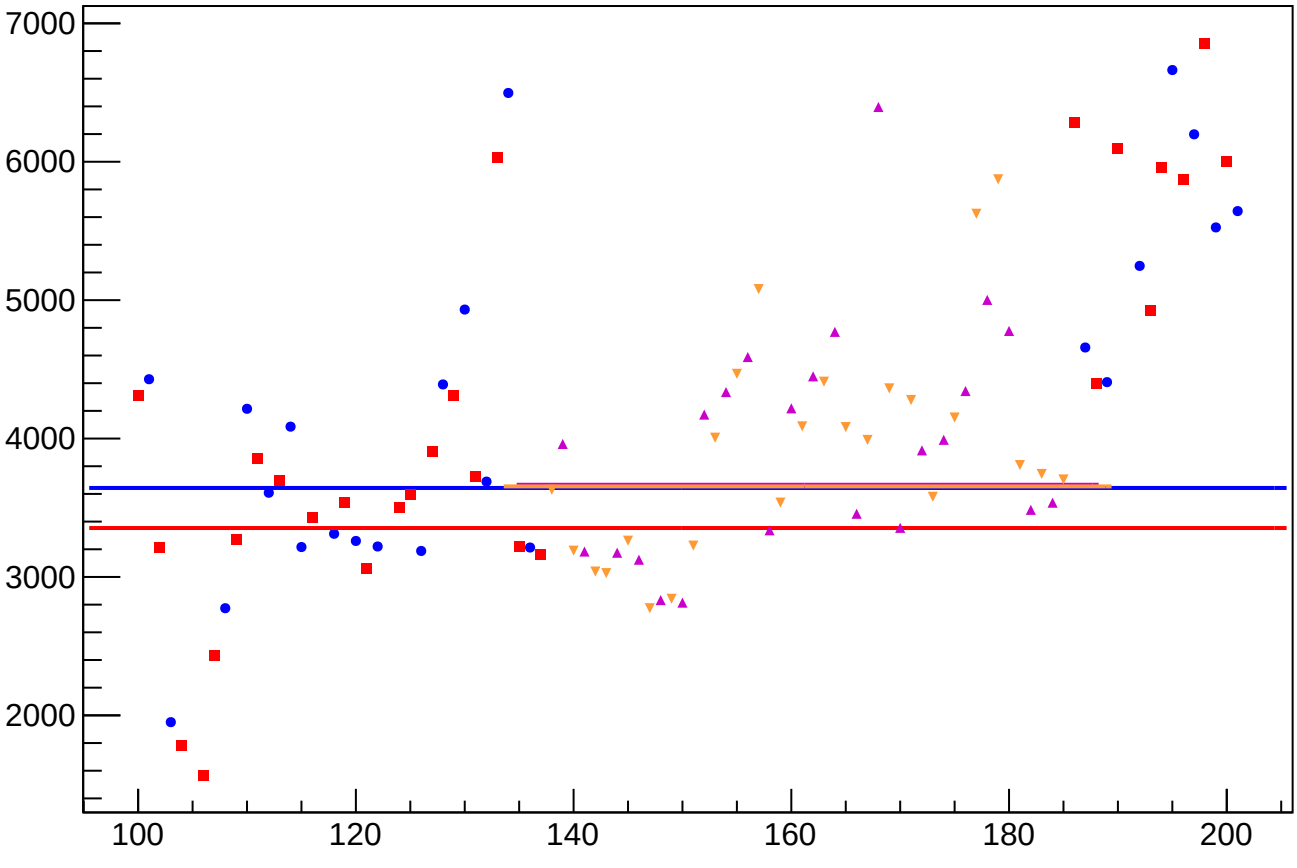
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 629.773+/-740.934 χ^2/NDF: 49.6/49

In: 105.531+/-685.244 χ^2/NDF:36.7/45

Out: 404.608+/-648.201 χ^2/NDF:55.6/51

All: 263.372+/-470.898 χ^2/NDF: 92.5/97



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: 3353.550+/-0.708 χ^2/NDF: 3922266.6/26

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

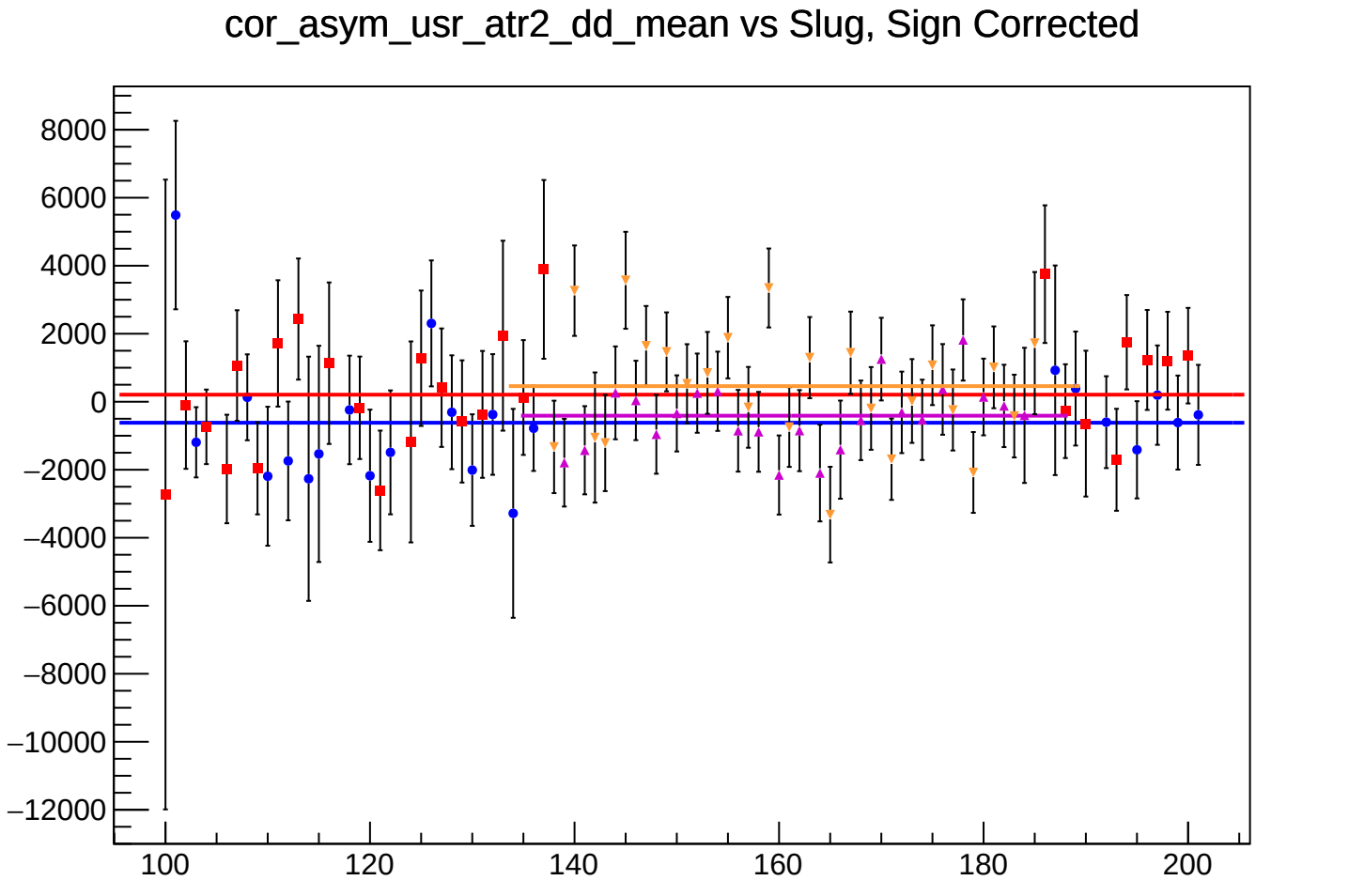
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3484.558+/-0.524 χ^2/NDF: 6651134.2/49

In: 3657.191+/-0.485 χ^2/NDF:3997468.2/45

Out: 3528.223+/-0.458 χ^2/NDF:5338769.8/51

All: 3589.127+/-0.333 χ^2/NDF: 9373626.2/97



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: 207.817+/-327.734 χ^2/NDF: 21.6/26

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

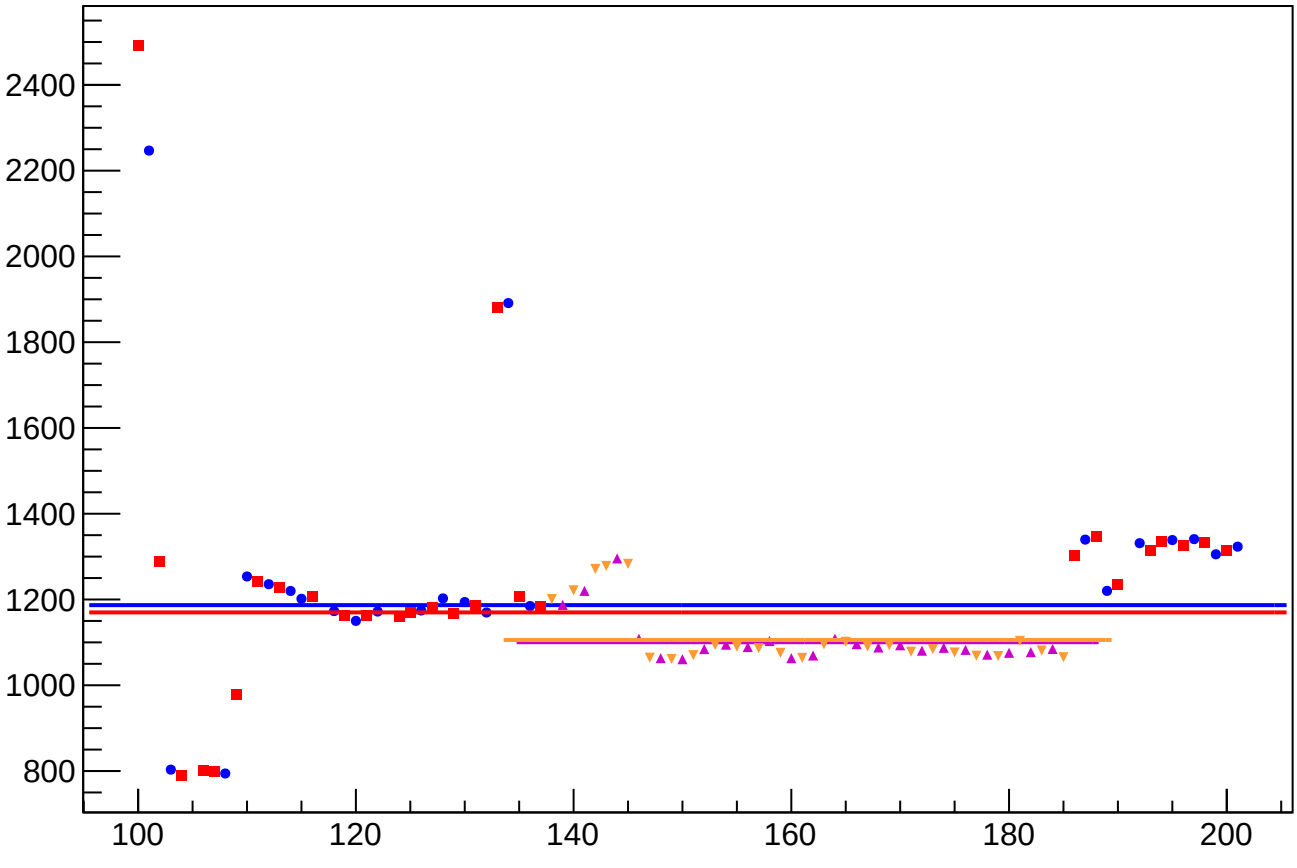
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -184.379+/-237.441 χ^2/NDF: 37.6/49

In: -485.079+/-206.092 χ^2/NDF:26.9/45

Out: 365.788+/-199.541 χ^2/NDF:64.0/51

All: -45.908+/-143.357 χ^2/NDF: 99.8/97



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: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

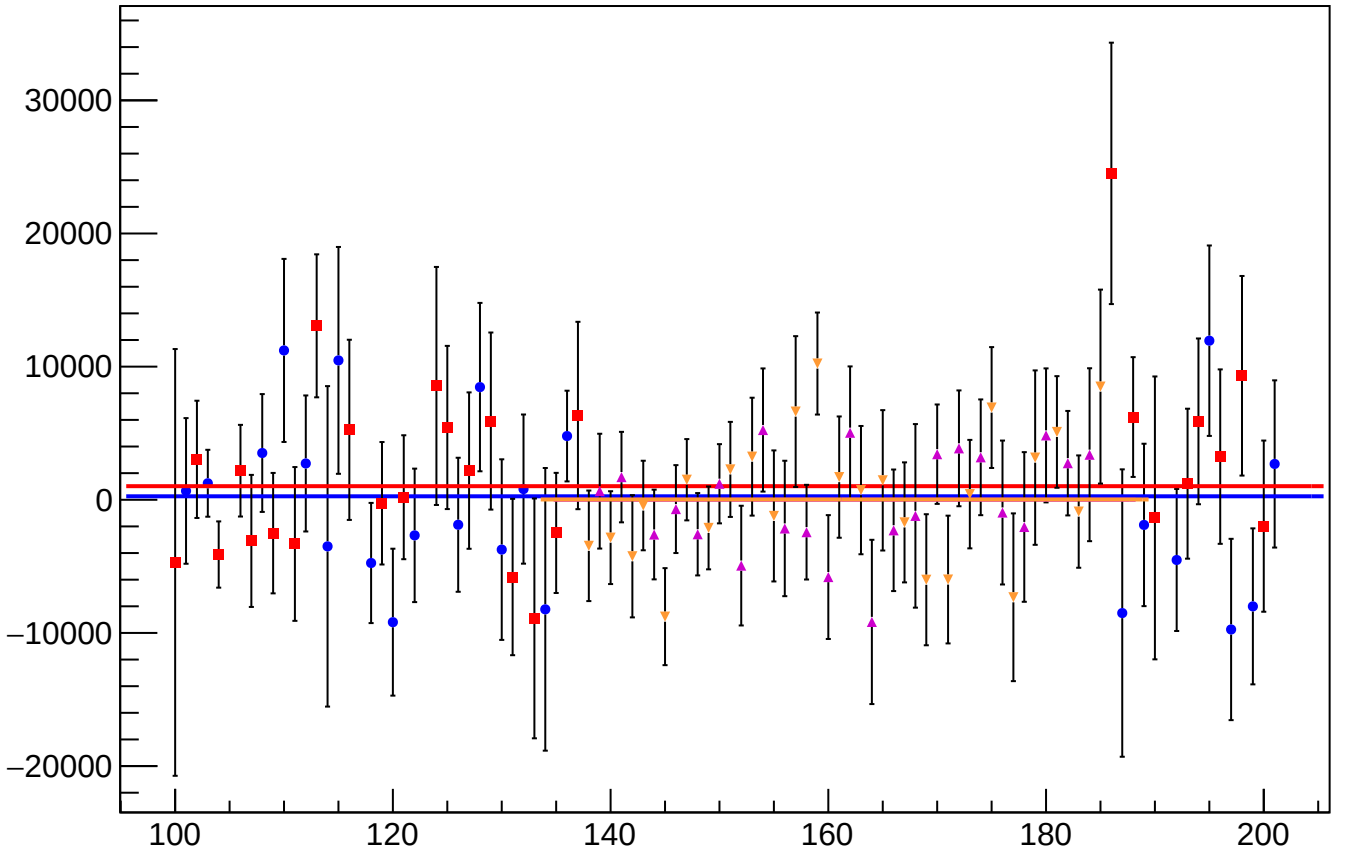
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1177.928+/-0.168 χ^2/NDF: 1822766.8/49

In: 1131.306+/-0.146 χ^2/NDF:1138616.2/45

Out: 1129.435+/-0.141 χ^2/NDF:1013314.5/51

All: 1130.340+/-0.101 χ^2/NDF: 2152015.8/97



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: 1021.988+/-1018.702 χ^2/NDF: 26.9/26

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

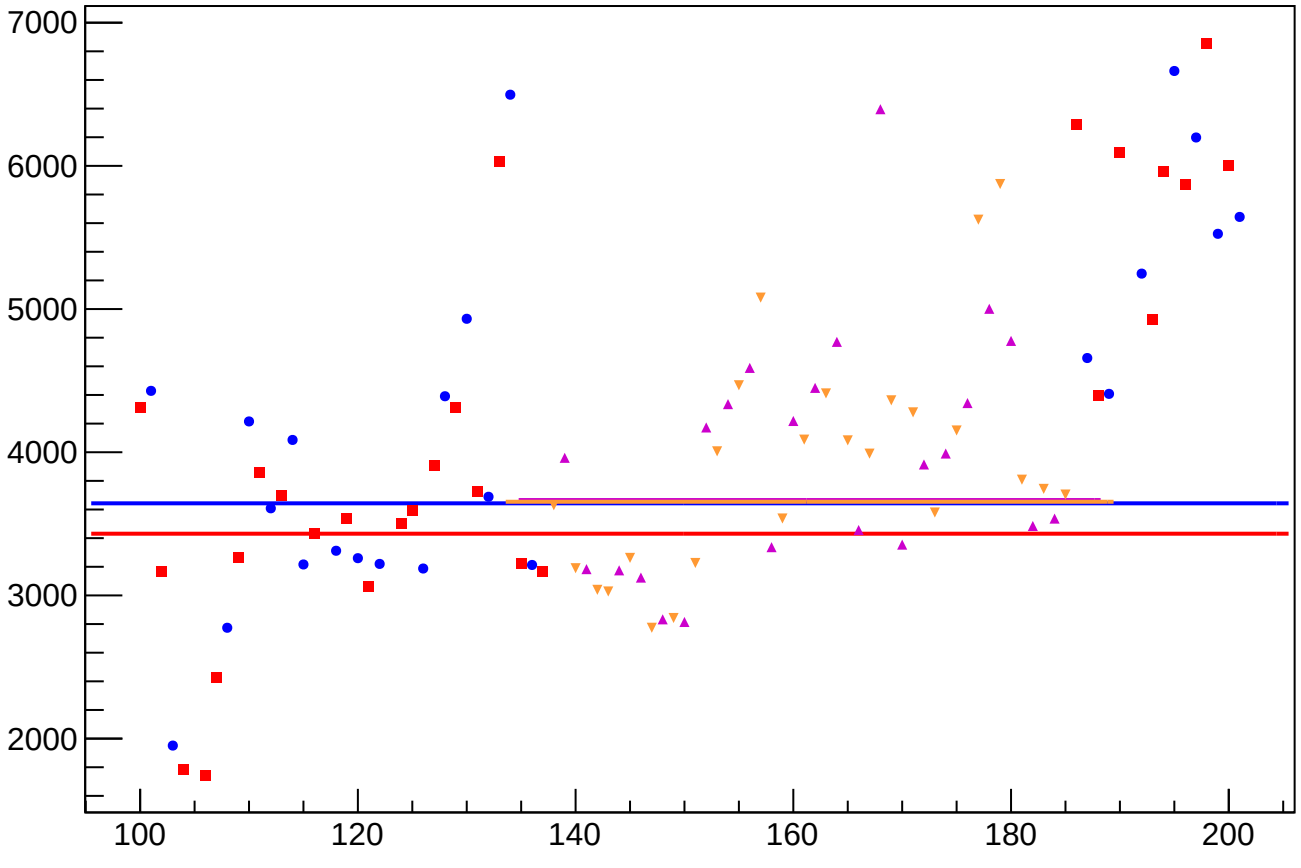
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 671.698+/-747.881 χ^2/NDF: 49.9/49

In: 105.376+/-685.252 χ^2/NDF:36.7/45

Out: 433.481+/-652.830 χ^2/NDF:56.0/51

All: 277.374+/-472.667 χ^2/NDF: 92.8/97



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: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

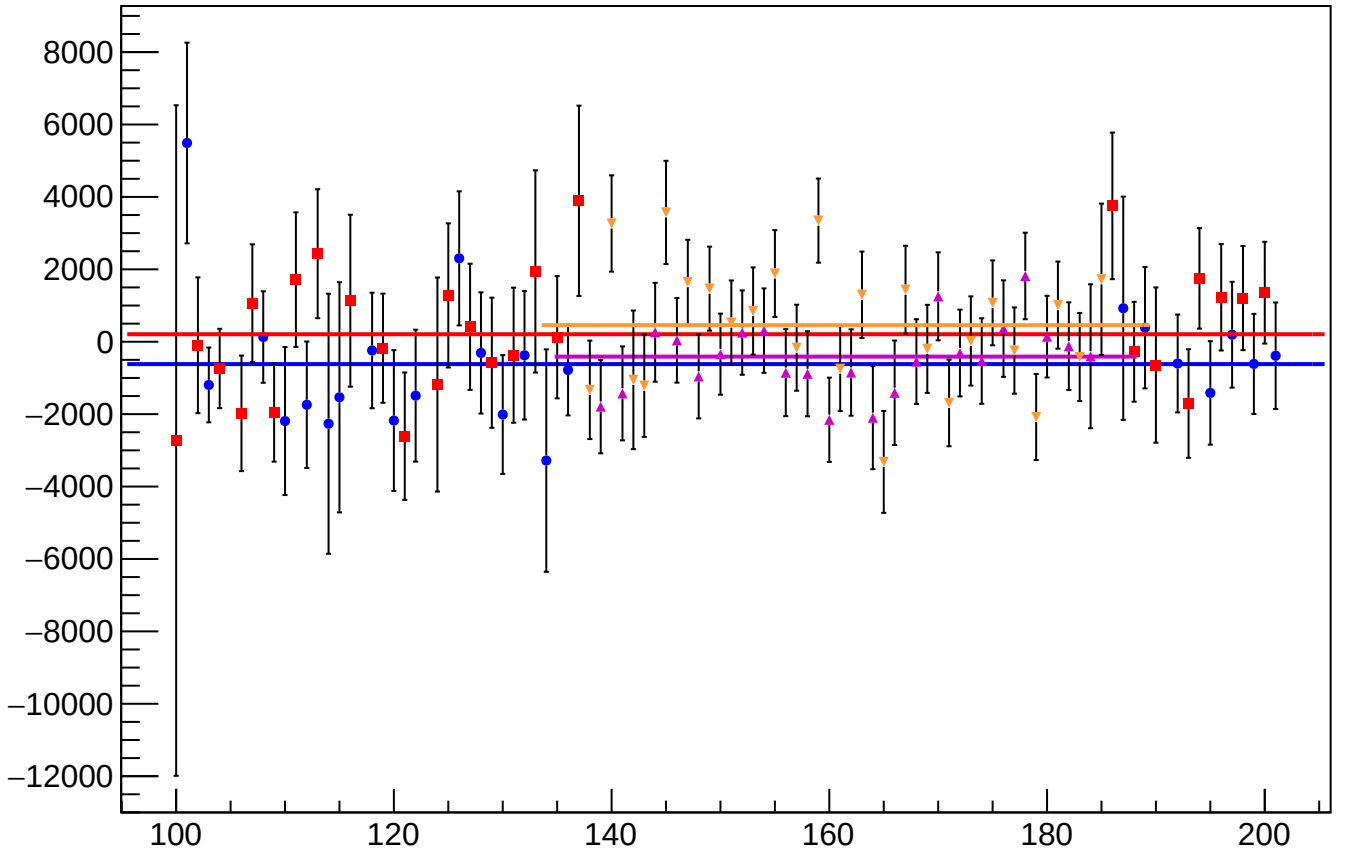
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3528.864+/-0.529 χ^2/NDF: 6279528.8/49

In: 3657.257+/-0.485 χ^2/NDF:3996772.3/45

Out: 3562.549+/-0.462 χ^2/NDF:4955320.7/51

All: 3607.610+/-0.334 χ^2/NDF: 8972120.0/97



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: 207.817+/-327.734 χ^2/NDF: 21.6/26

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

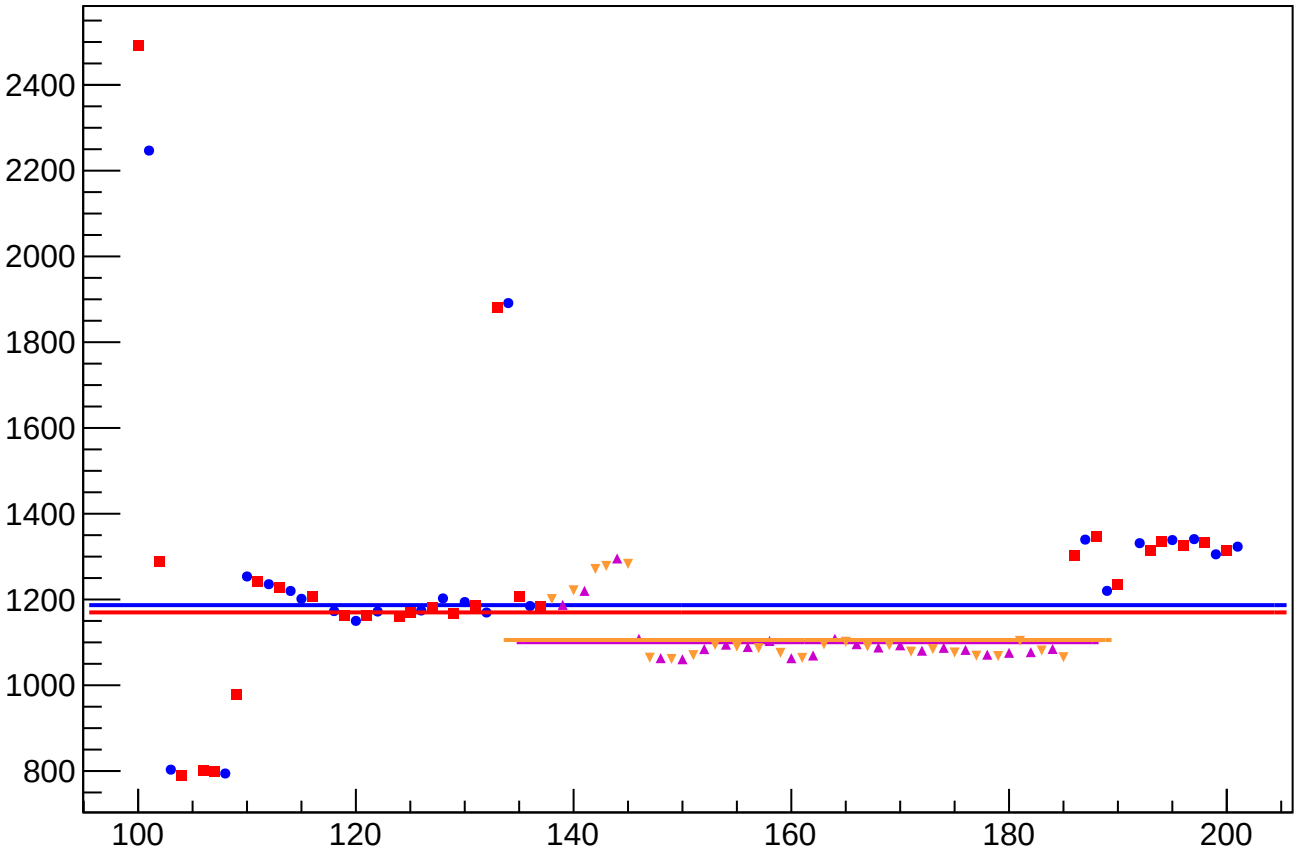
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -184.379+/-237.441 χ^2/NDF: 37.6/49

In: -485.079+/-206.092 χ^2/NDF:26.9/45

Out: 365.788+/-199.541 χ^2/NDF:64.0/51

All: -45.908+/-143.357 χ^2/NDF: 99.8/97



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: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

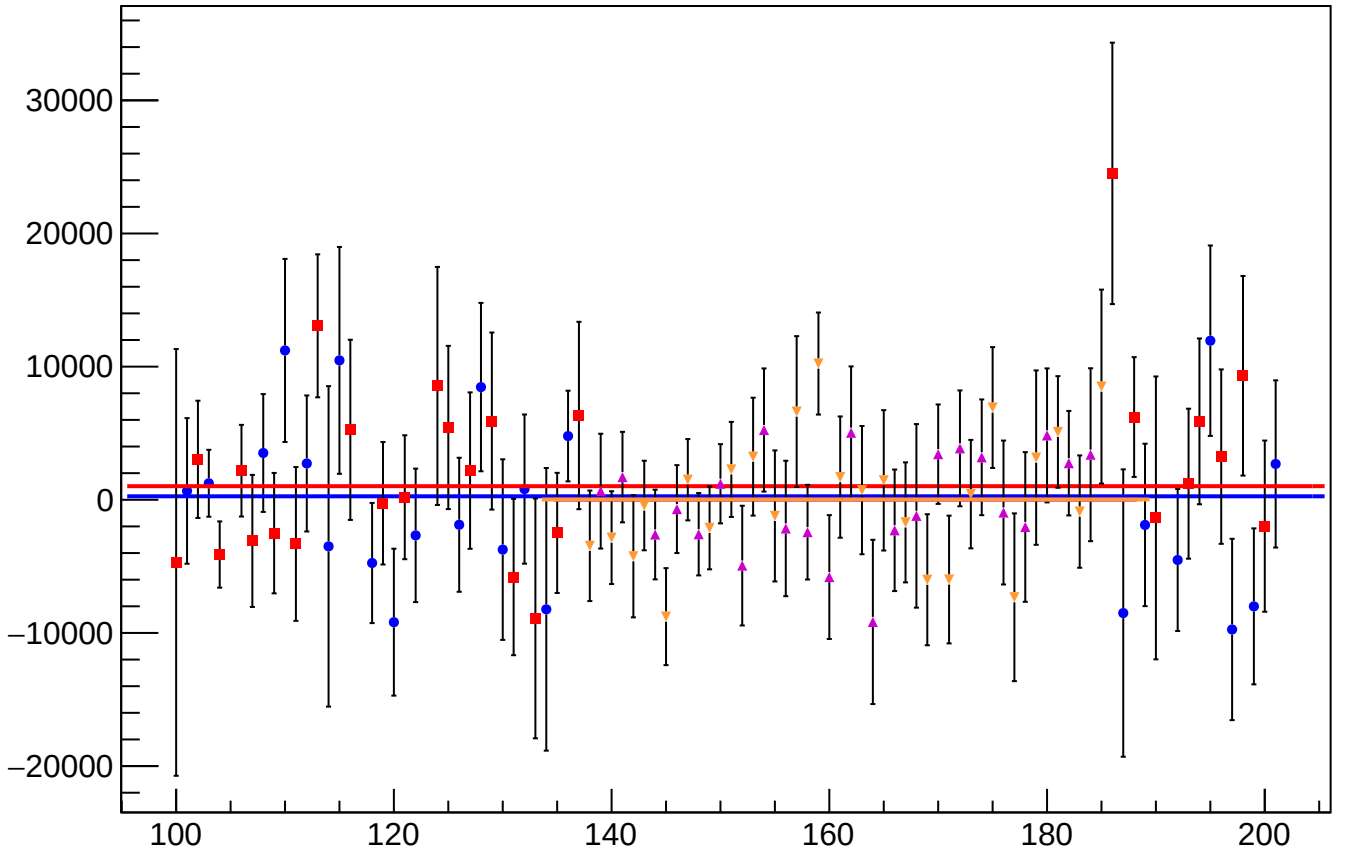
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1177.928+/-0.168 χ^2/NDF: 1822766.8/49

In: 1131.306+/-0.146 χ^2/NDF:1138616.2/45

Out: 1129.435+/-0.141 χ^2/NDF:1013314.5/51

All: 1130.340+/-0.101 χ^2/NDF: 2152015.8/97



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: 1021.988+/-1018.702 χ^2/NDF: 26.9/26

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

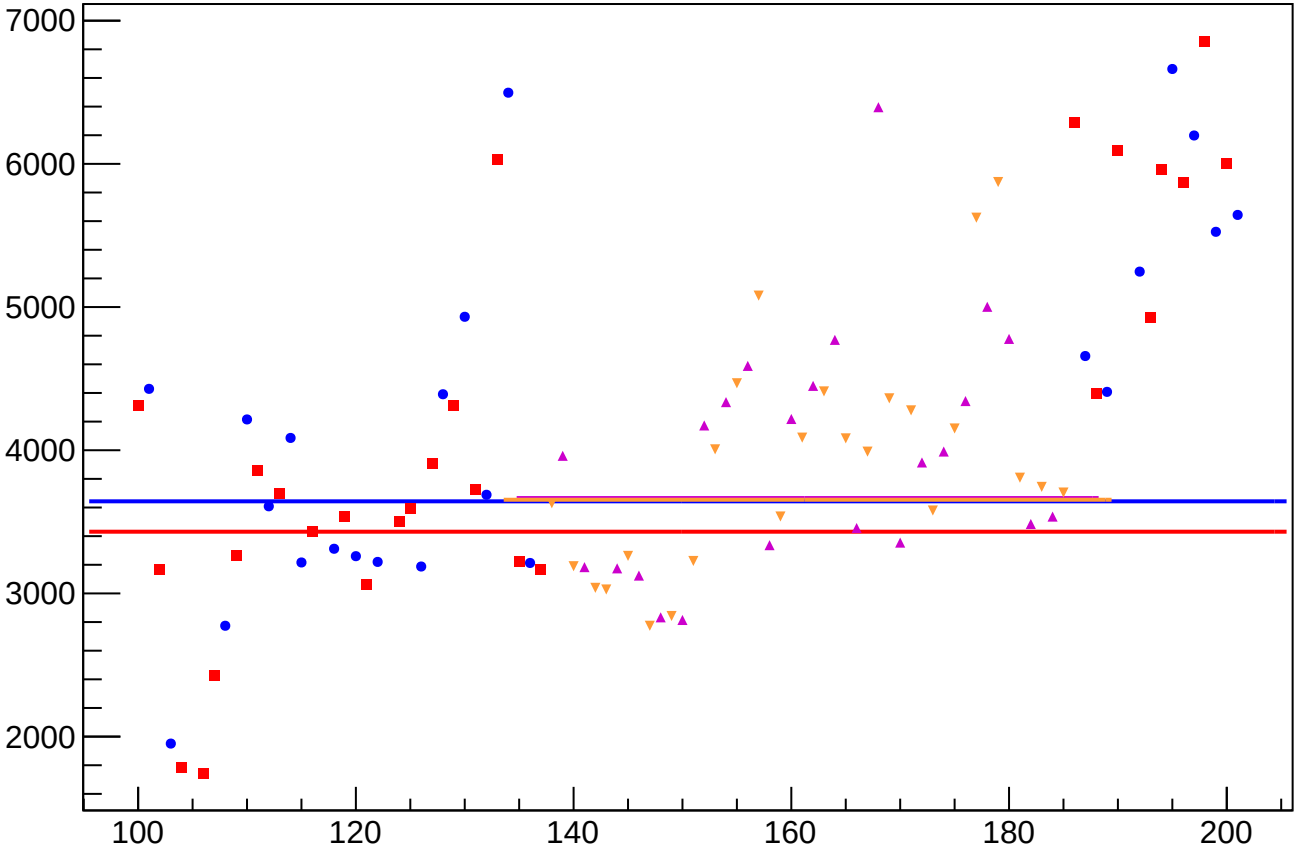
Right: 671.698+/-747.881 χ^2/NDF: 49.9/49

In: 105.376+/-685.252 χ^2/NDF:36.7/45

Out: 433.481+/-652.830 χ^2/NDF:56.0/51

All: 277.374+/-472.667 χ^2/NDF: 92.8/97

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: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

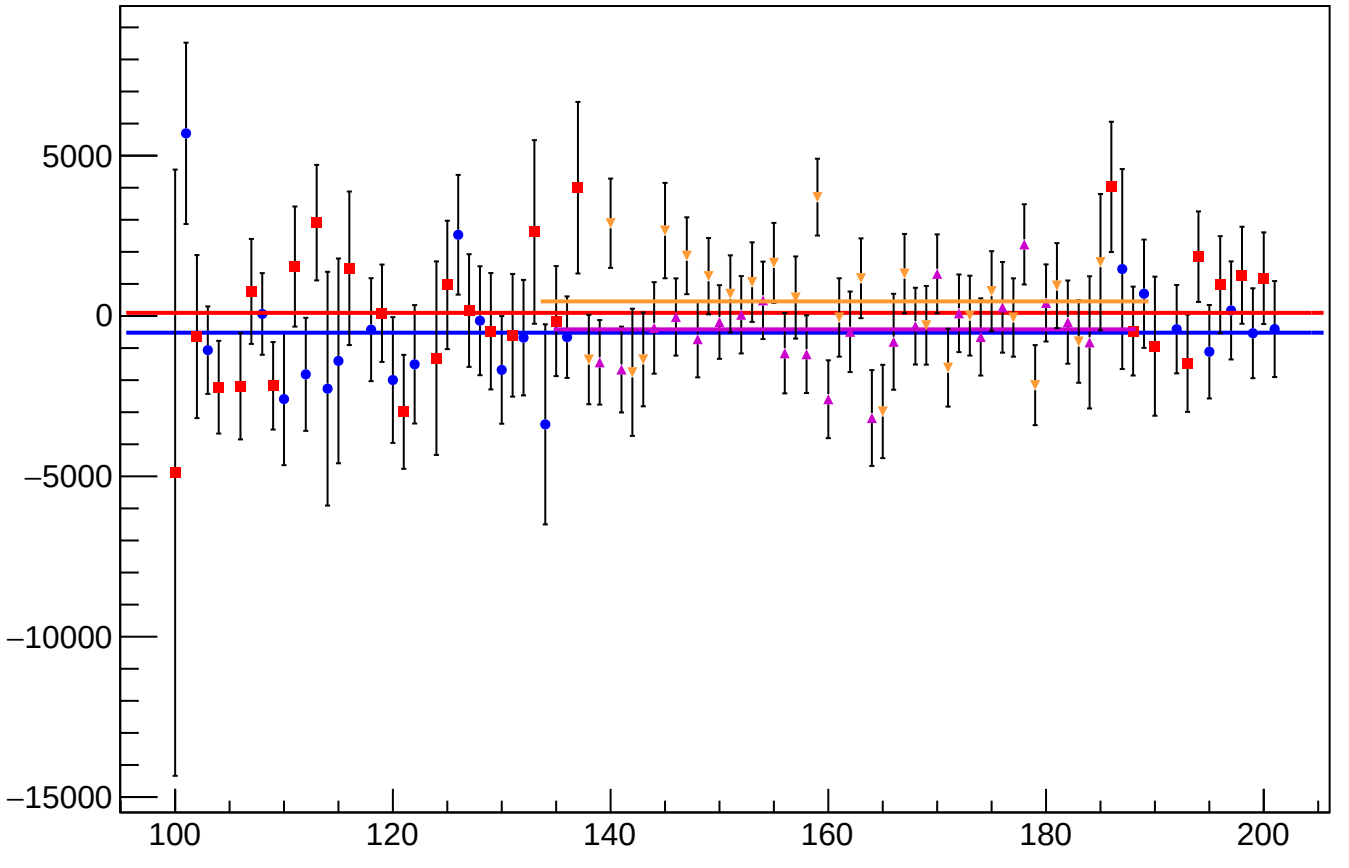
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3528.864+/-0.529 χ^2/NDF: 6279528.8/49

In: 3657.257+/-0.485 χ^2/NDF:3996772.3/45

Out: 3562.549+/-0.462 χ^2/NDF:4955320.7/51

All: 3607.610+/-0.334 χ^2/NDF: 8972120.0/97



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: 98.418+/-341.477 χ^2/NDF: 26.0/26

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

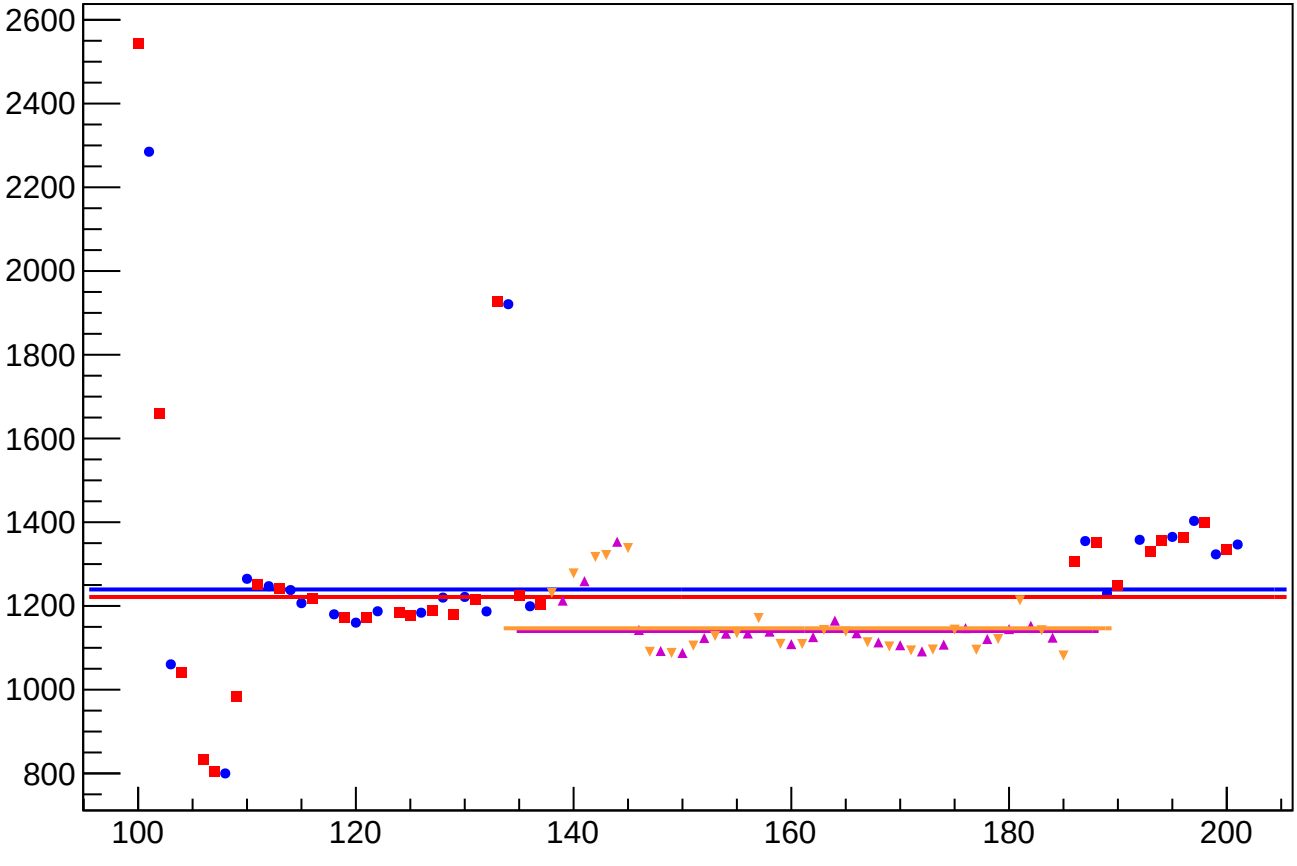
Right: -196.503+/-247.073 χ^2/NDF: 40.8/49

In: -454.069+/-213.800 χ^2/NDF:30.7/45

Out: 323.951+/-207.368 χ^2/NDF:62.8/51

All: -53.181+/-148.853 χ^2/NDF: 100.3/97

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: 1221.411+/-0.241 χ^2/NDF: 668997.0/26

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

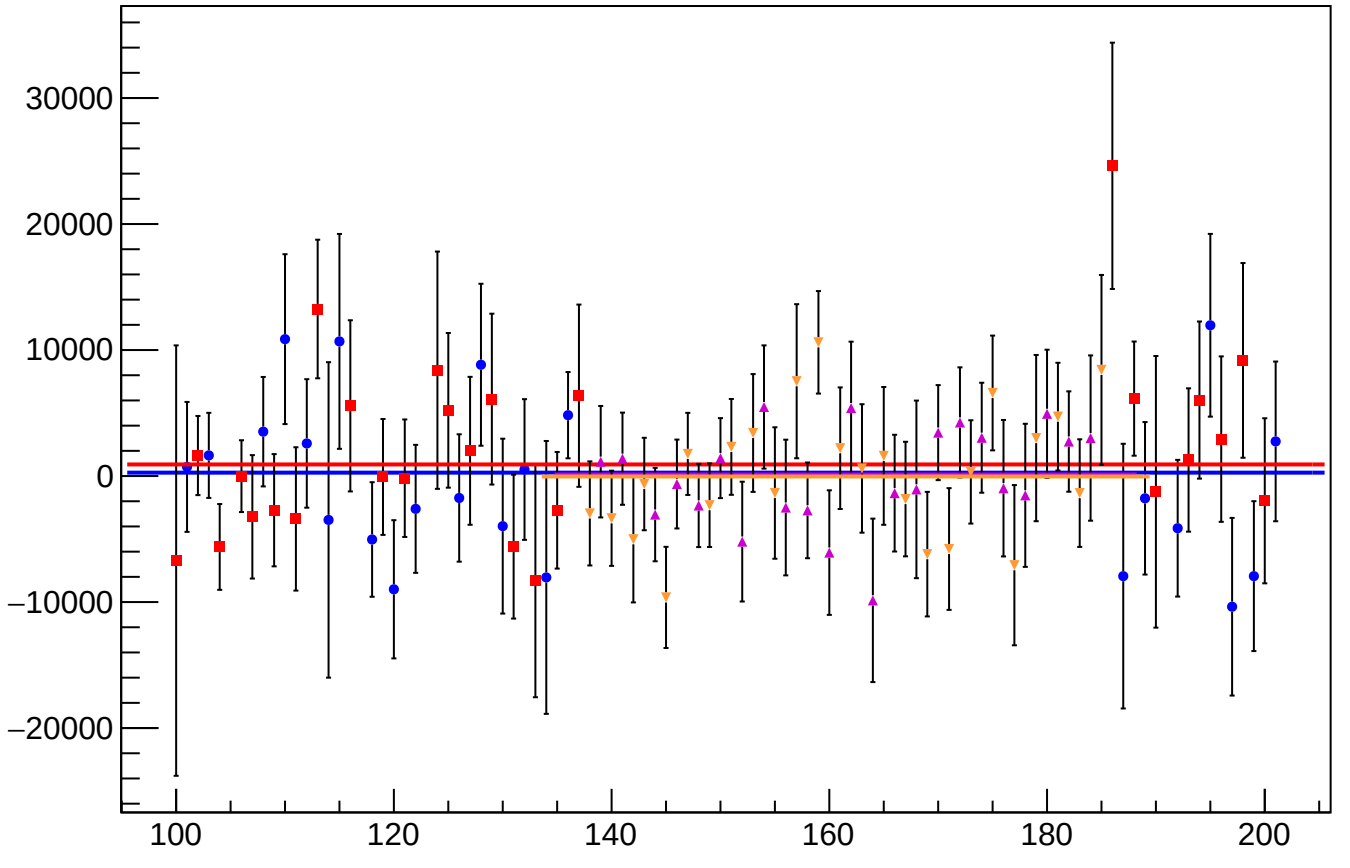
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1229.979+/-0.175 χ^2/NDF: 1400315.2/49

In: 1175.572+/-0.151 χ^2/NDF:912279.9/45

Out: 1174.207+/-0.147 χ^2/NDF:870605.9/51

All: 1174.869+/-0.105 χ^2/NDF: 1782927.8/97



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: 921.243+/-1015.437 χ^2/NDF: 26.2/26

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

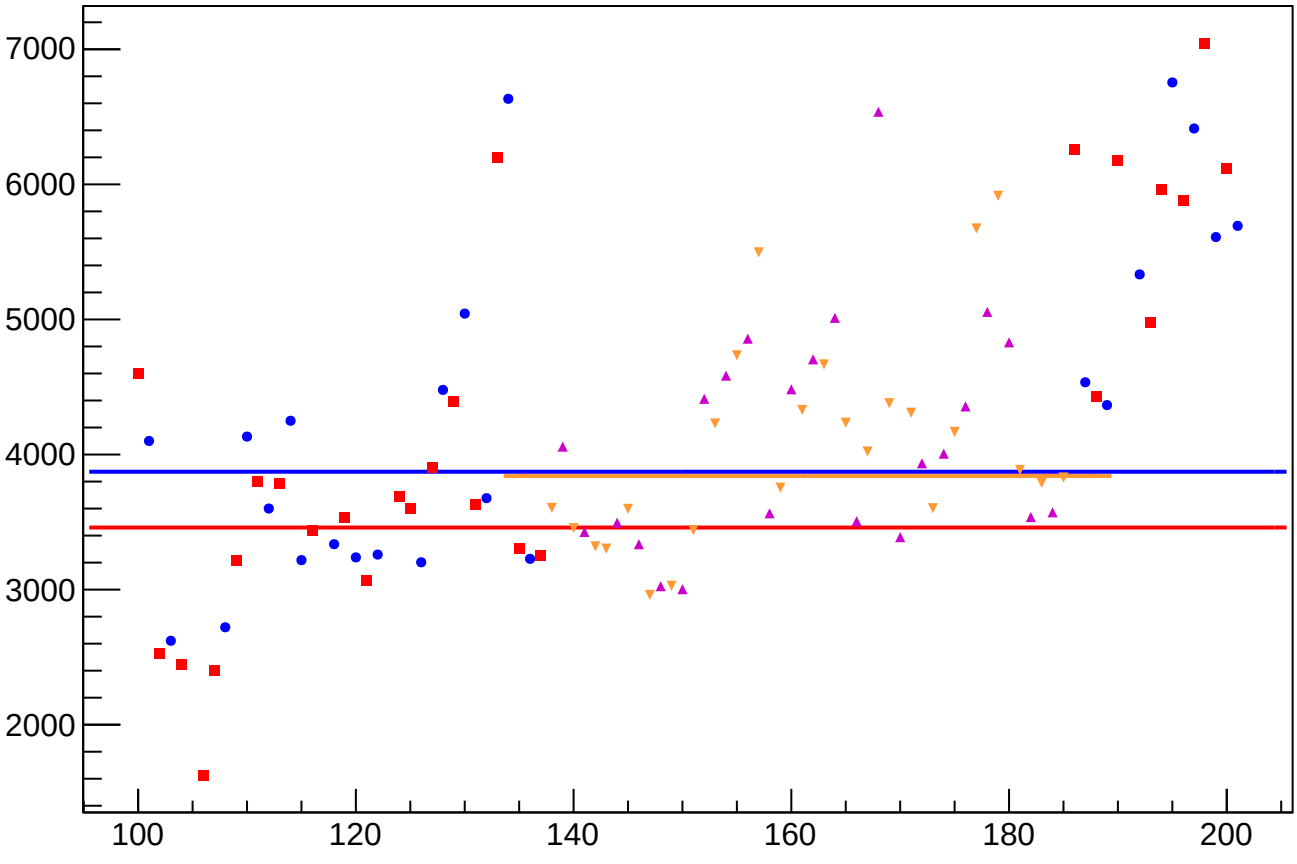
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 637.215+/-762.050 χ^2/NDF: 48.9/49

In: 179.048+/-717.084 χ^2/NDF:36.3/45

Out: 381.985+/-669.888 χ^2/NDF:54.5/51

All: 287.414+/-489.517 χ^2/NDF: 90.8/97



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: 3459.631+/-0.718 χ^2/NDF: 3435672.5/26

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

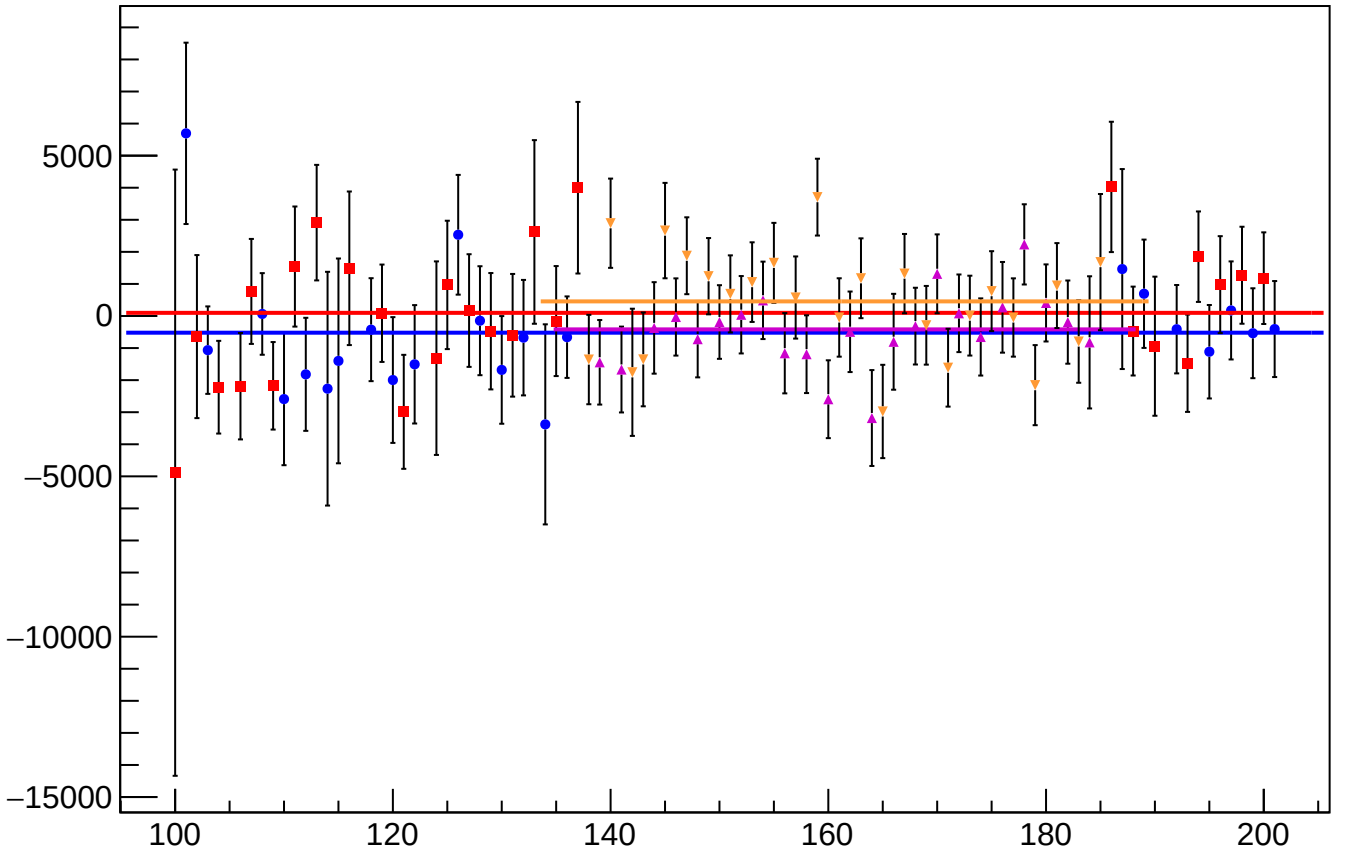
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3640.081+/-0.539 χ^2/NDF: 5496670.8/49

In: 3854.706+/-0.507 χ^2/NDF:3113260.9/45

Out: 3674.929+/-0.474 χ^2/NDF:4713528.7/51

All: 3758.707+/-0.346 χ^2/NDF: 7893915.5/97



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: 98.414+/-341.477 χ^2/NDF: 26.0/26

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

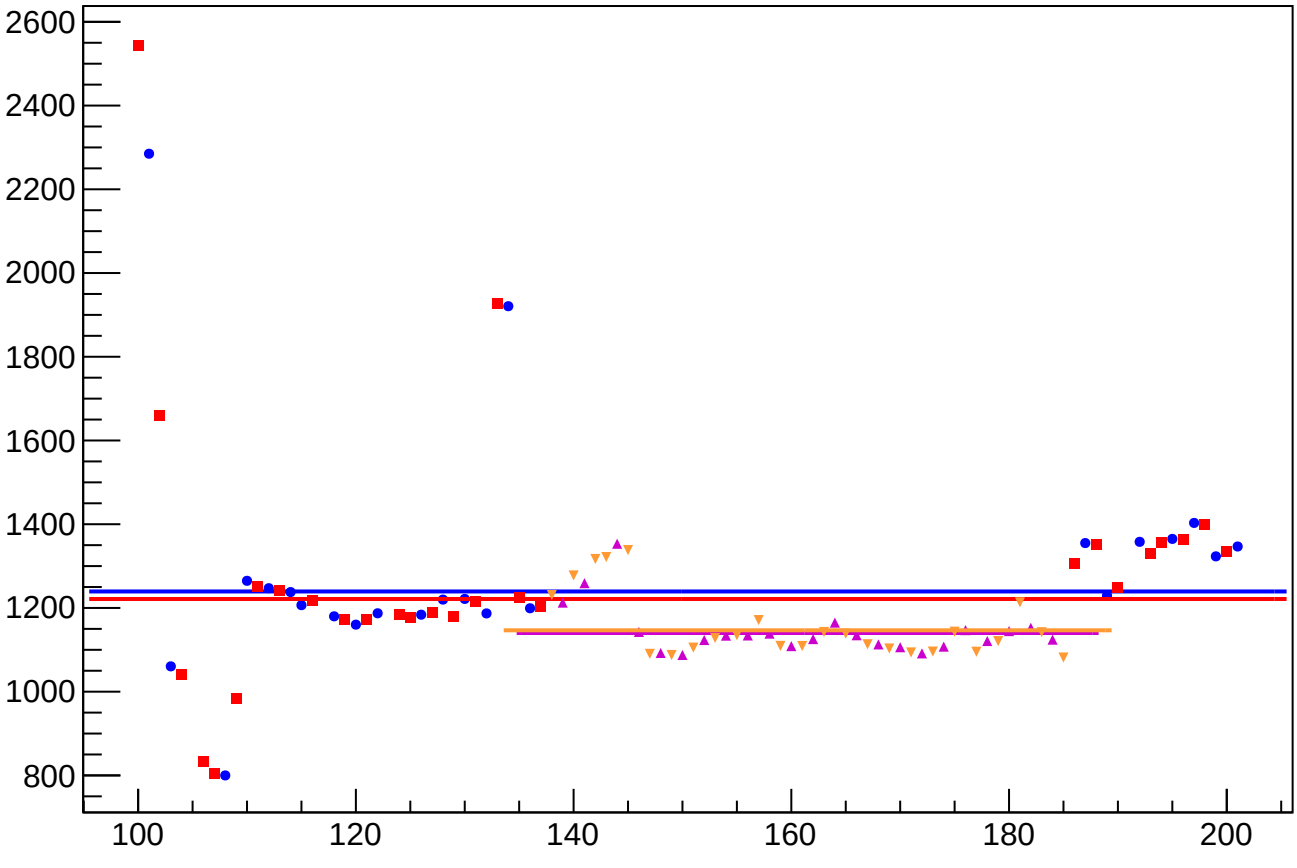
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -196.506+/-247.073 χ^2/NDF: 40.8/49

In: -454.069+/-213.800 χ^2/NDF:30.7/45

Out: 323.952+/-207.368 χ^2/NDF:62.8/51

All: -53.180+/-148.853 χ^2/NDF: 100.3/97



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: 1221.412+/-0.241 χ^2/NDF: 668996.6/26

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

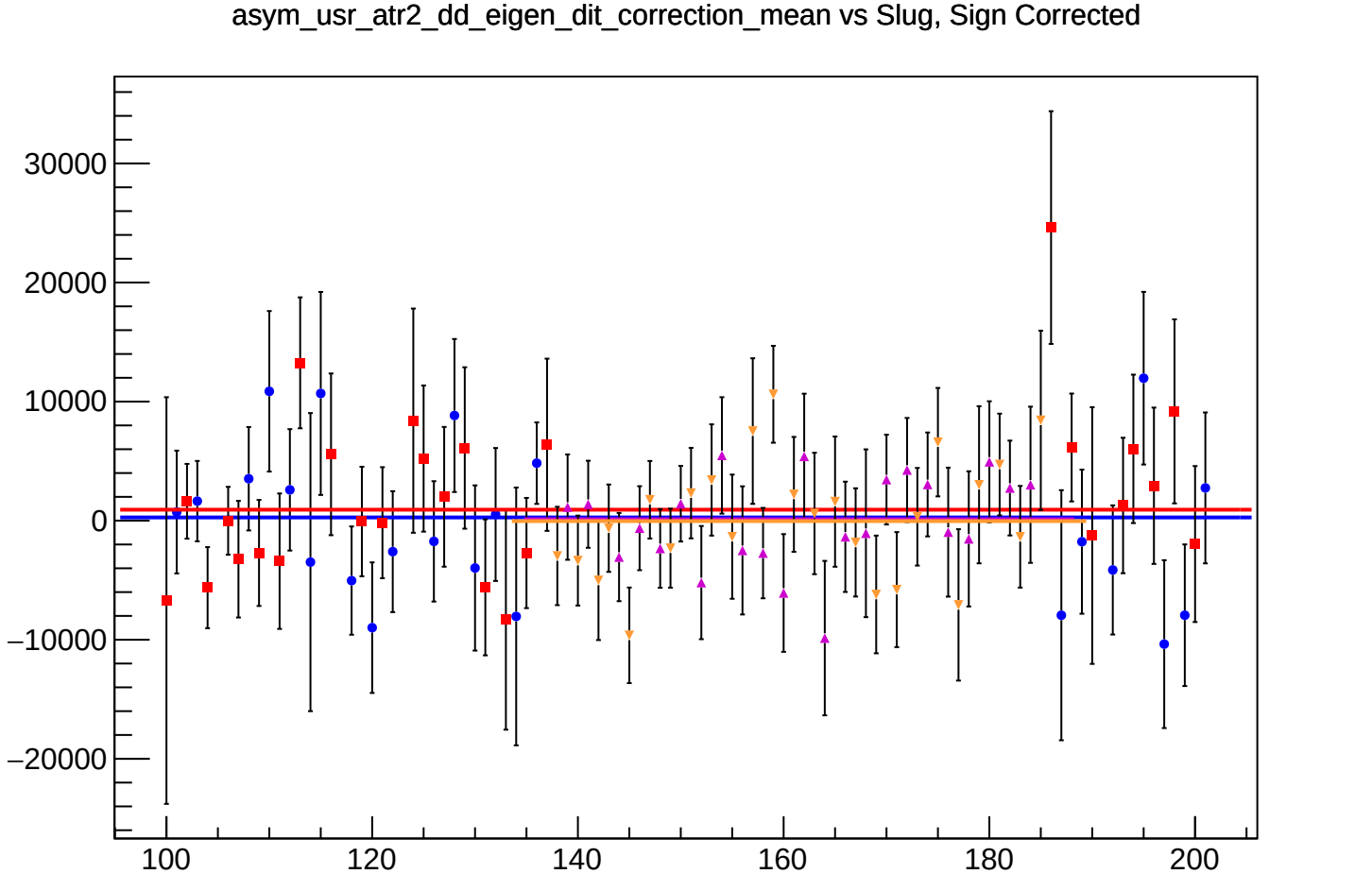
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

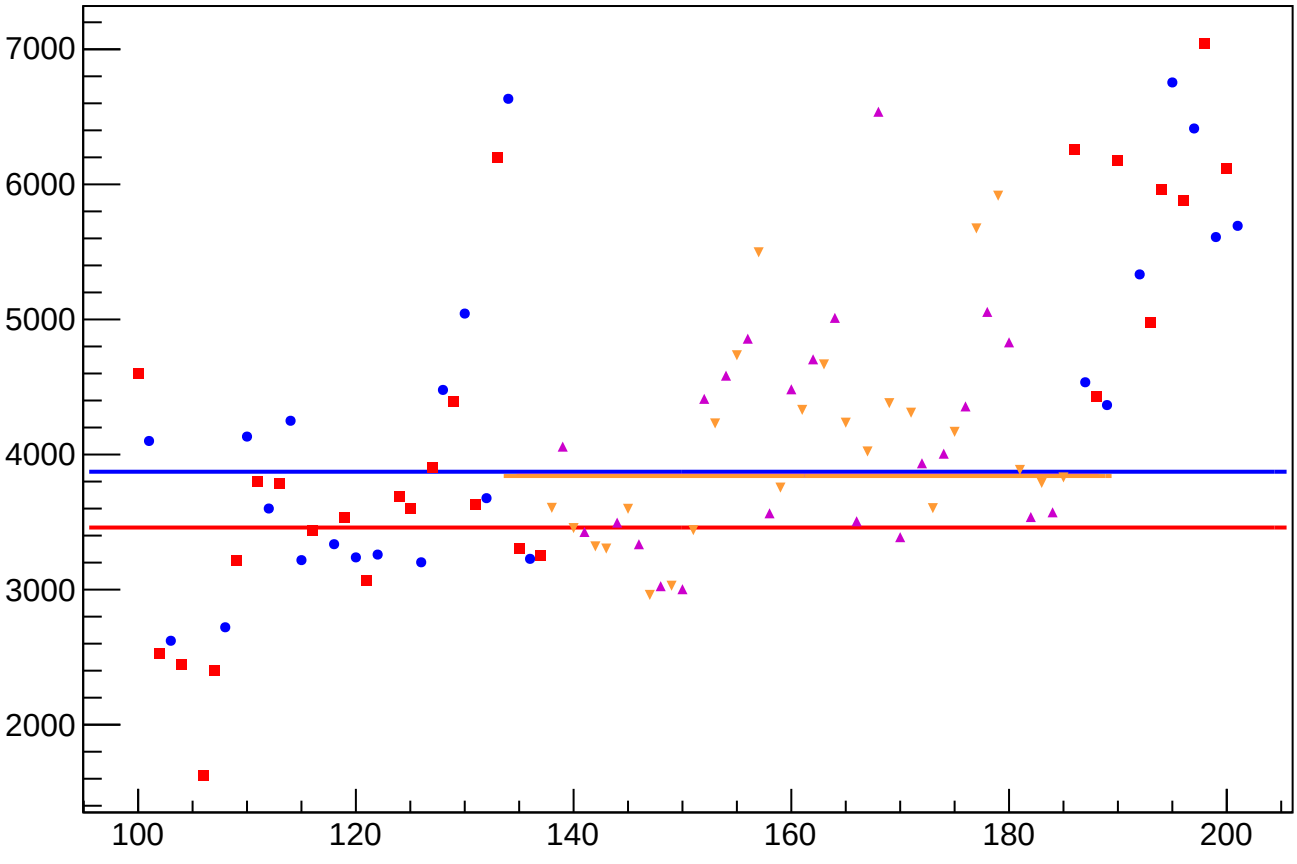
Right: 1229.979+/-0.175 χ^2/NDF: 1400315.4/49

In: 1175.572+/-0.151 χ^2/NDF:912278.5/45

Out: 1174.207+/-0.147 χ^2/NDF:870604.9/51

All: 1174.869+/-0.105 χ^2/NDF: 1782925.4/97


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 270.989+/-1153.028 χ²/NDF: 22.5/22
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 921.234+/-1015.436 χ²/NDF: 26.2/26
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 637.205+/-762.049 χ²/NDF: 48.9/49
In: 179.045+/-717.084 χ²/NDF:36.3/45
Out: 381.983+/-669.888 χ²/NDF:54.5/51
All: 287.412+/-489.518 χ²/NDF: 90.8/97



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: 3459.626+/-0.718 χ^2/NDF: 3435685.4/26

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

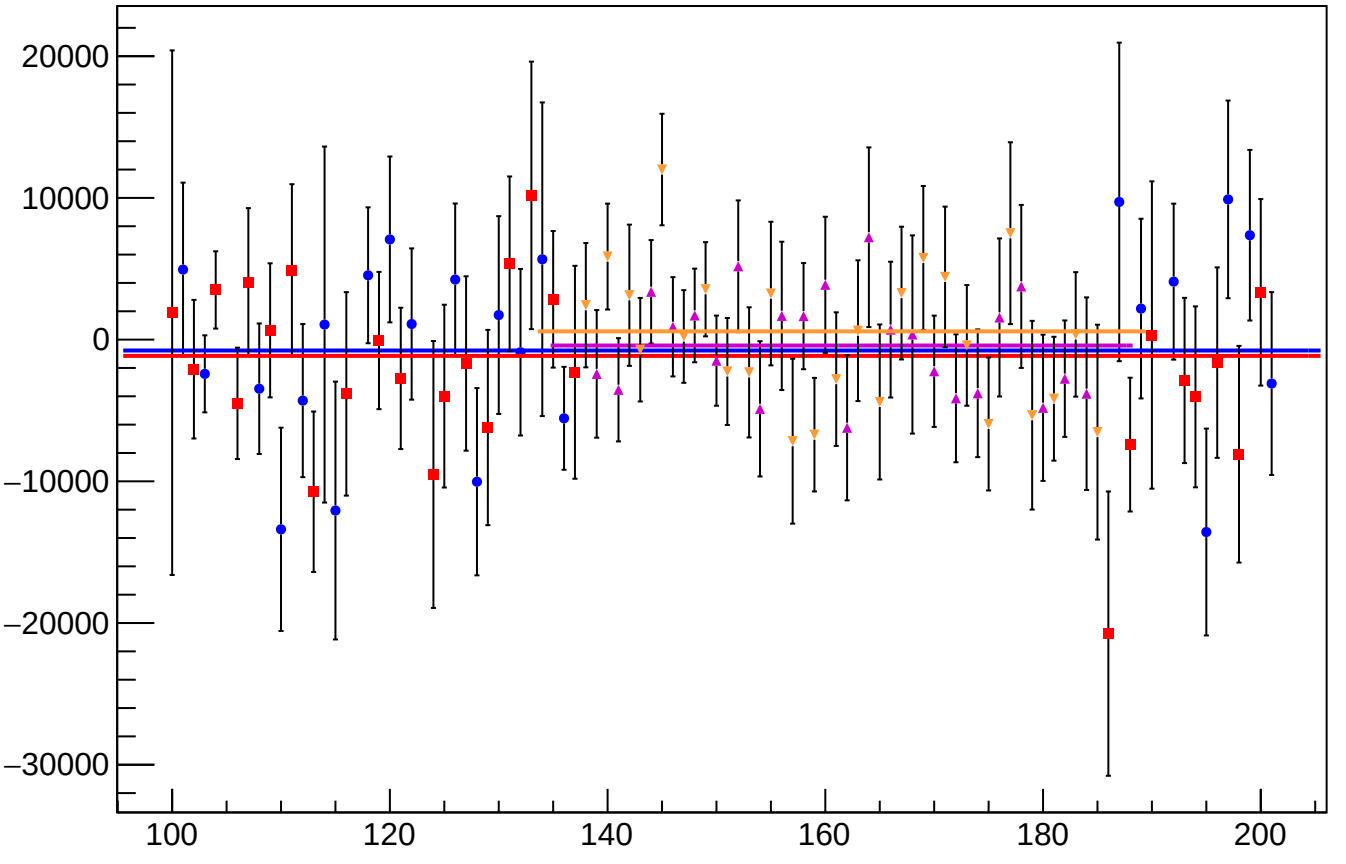
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3640.077+/-0.539 χ^2/NDF: 5496692.4/49

In: 3854.708+/-0.507 χ^2/NDF:3113271.3/45

Out: 3674.929+/-0.474 χ^2/NDF:4713551.8/51

All: 3758.708+/-0.346 χ^2/NDF: 7893950.1/97



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: -1147.185+/-1086.717 χ^2/NDF: 21.0/26

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

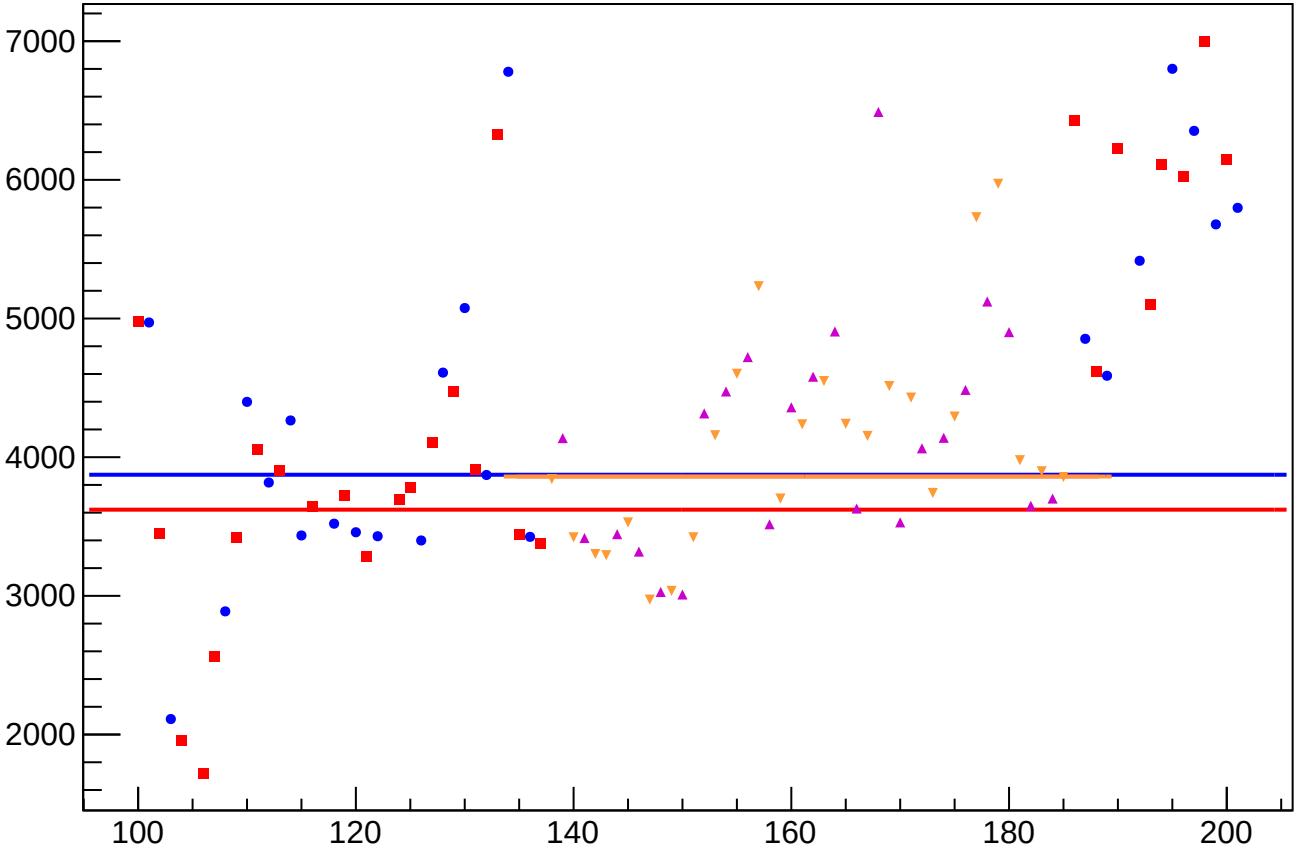
Right: -971.426+/-794.638 χ^2/NDF: 45.1/49

In: -552.086+/-721.516 χ^2/NDF:36.6/45

Out: -116.002+/-690.814 χ^2/NDF:49.9/51

All: -324.569+/-498.980 χ^2/NDF: 86.7/97

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: 3621.547+/-0.758 χ^2/NDF: 3456840.2/26

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

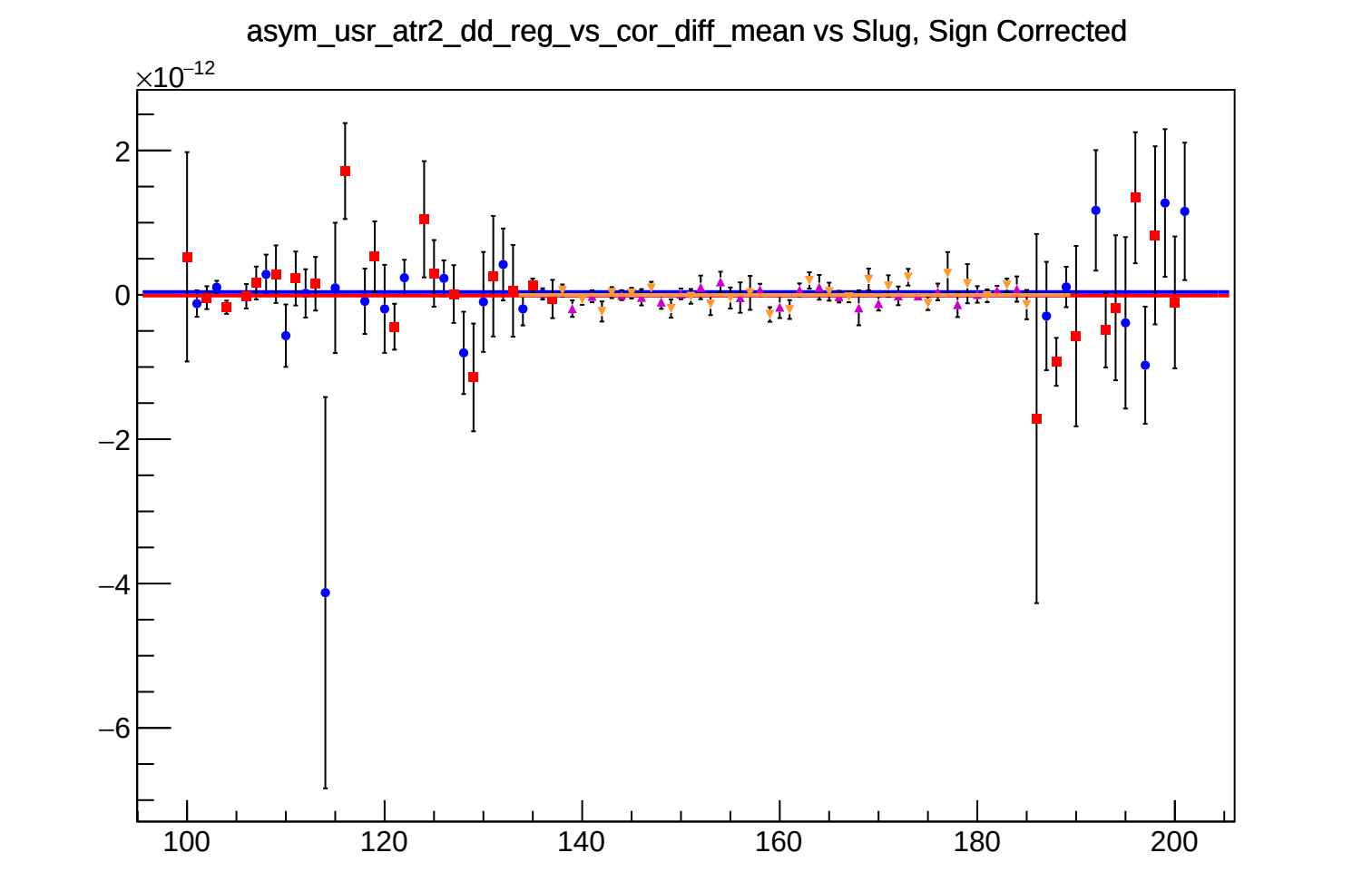
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3737.083+/-0.558 χ^2/NDF: 5954063.0/49

In: 3866.599+/-0.510 χ^2/NDF:3588892.7/45

Out: 3762.419+/-0.486 χ^2/NDF:4612693.0/51

All: 3811.963+/-0.352 χ^2/NDF: 8223453.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/26

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

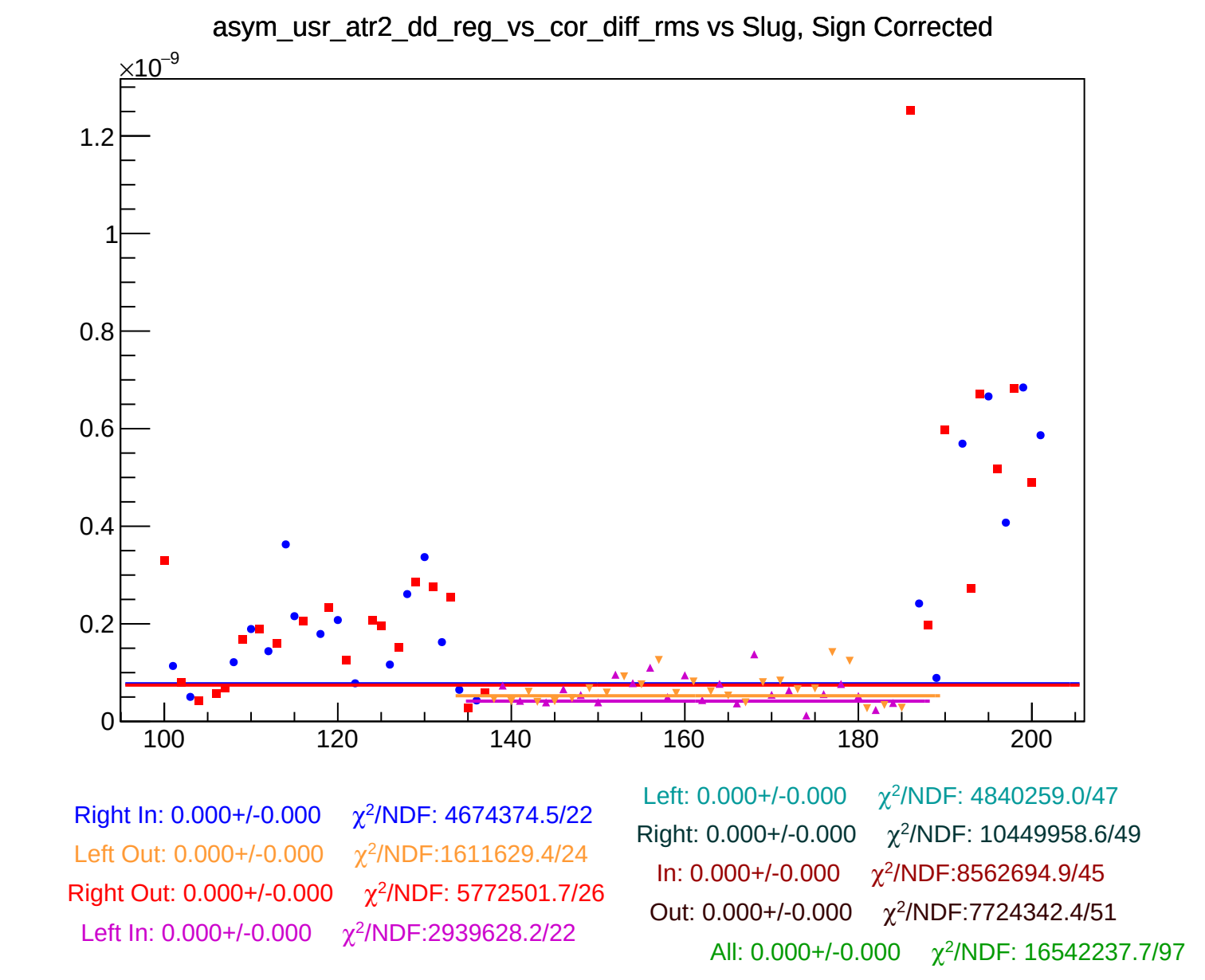
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

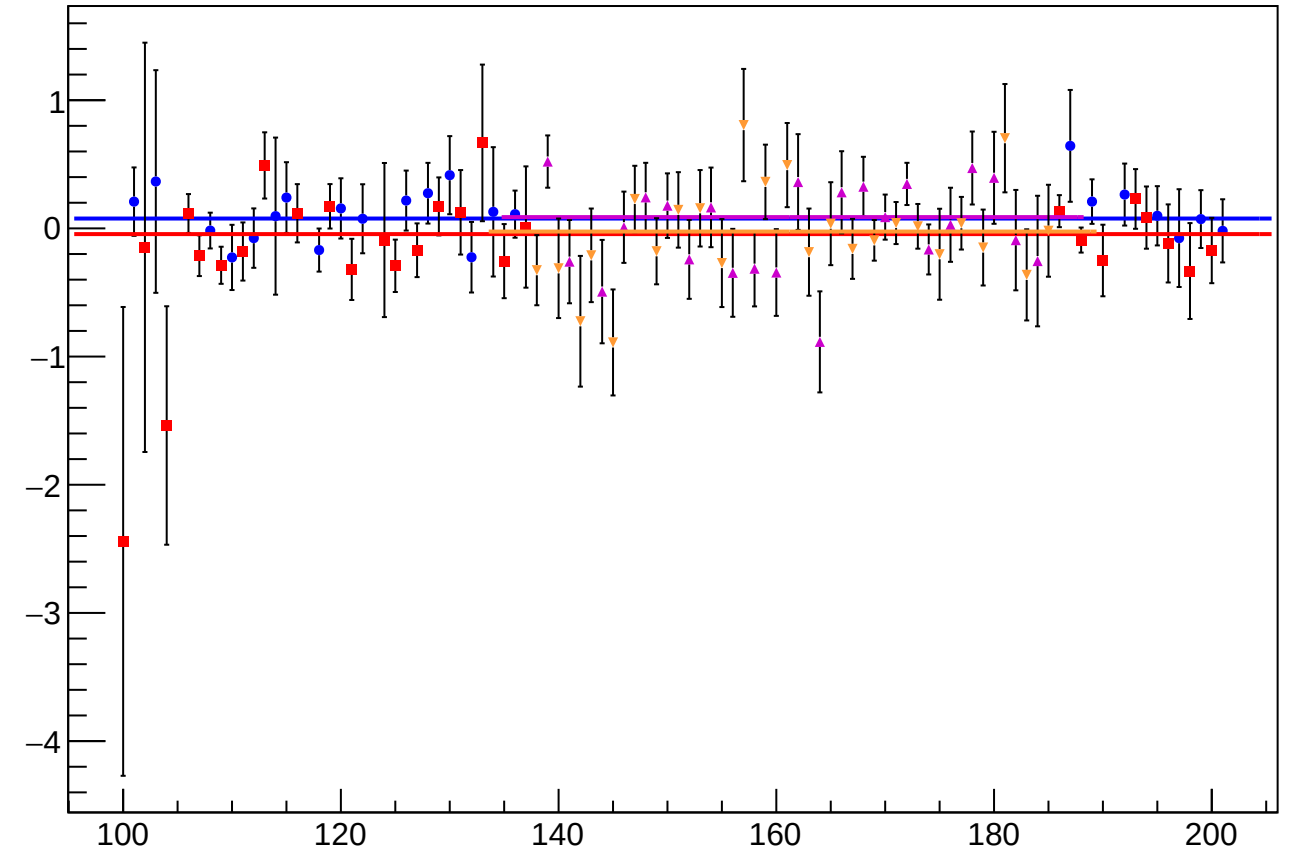
Right: 0.000+/-0.000 χ^2/NDF: 52.9/49

In: -0.000+/-0.000 χ^2/NDF:32.1/45

Out: -0.000+/-0.000 χ^2/NDF:68.2/51

All: -0.000+/-0.000 χ^2/NDF: 100.3/97


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4674374.5/22
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5772501.7/26
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 10449958.6/49
In: 0.000+/-0.000 χ²/NDF:8562694.9/45
Out: 0.000+/-0.000 χ²/NDF:7724342.4/51
All: 0.000+/-0.000 χ²/NDF: 16542237.7/97



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: -0.045+/-0.041 χ^2/NDF: 27.7/26

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

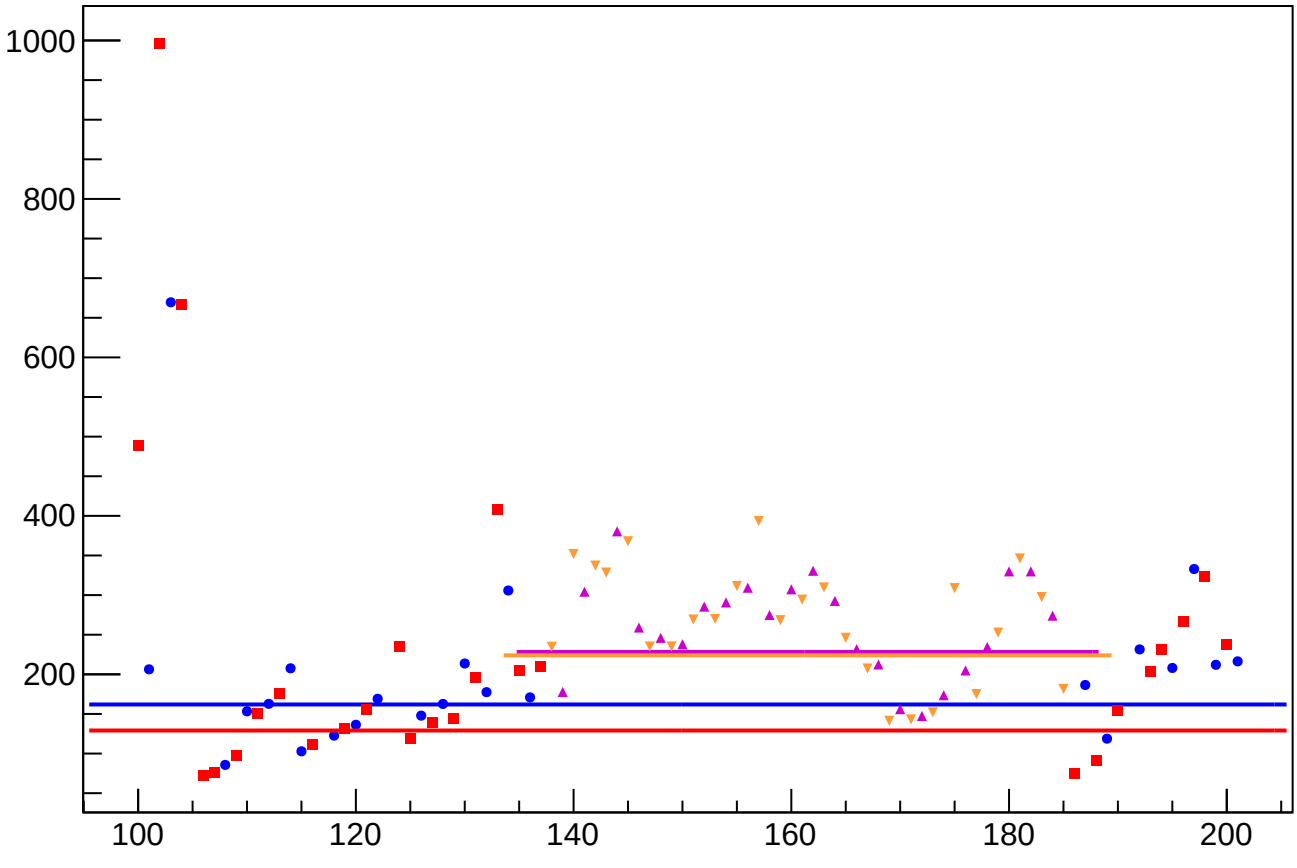
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.004+/-0.032 χ^2/NDF: 43.2/49

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.014+/-0.025 χ^2/NDF: 99.6/97



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: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

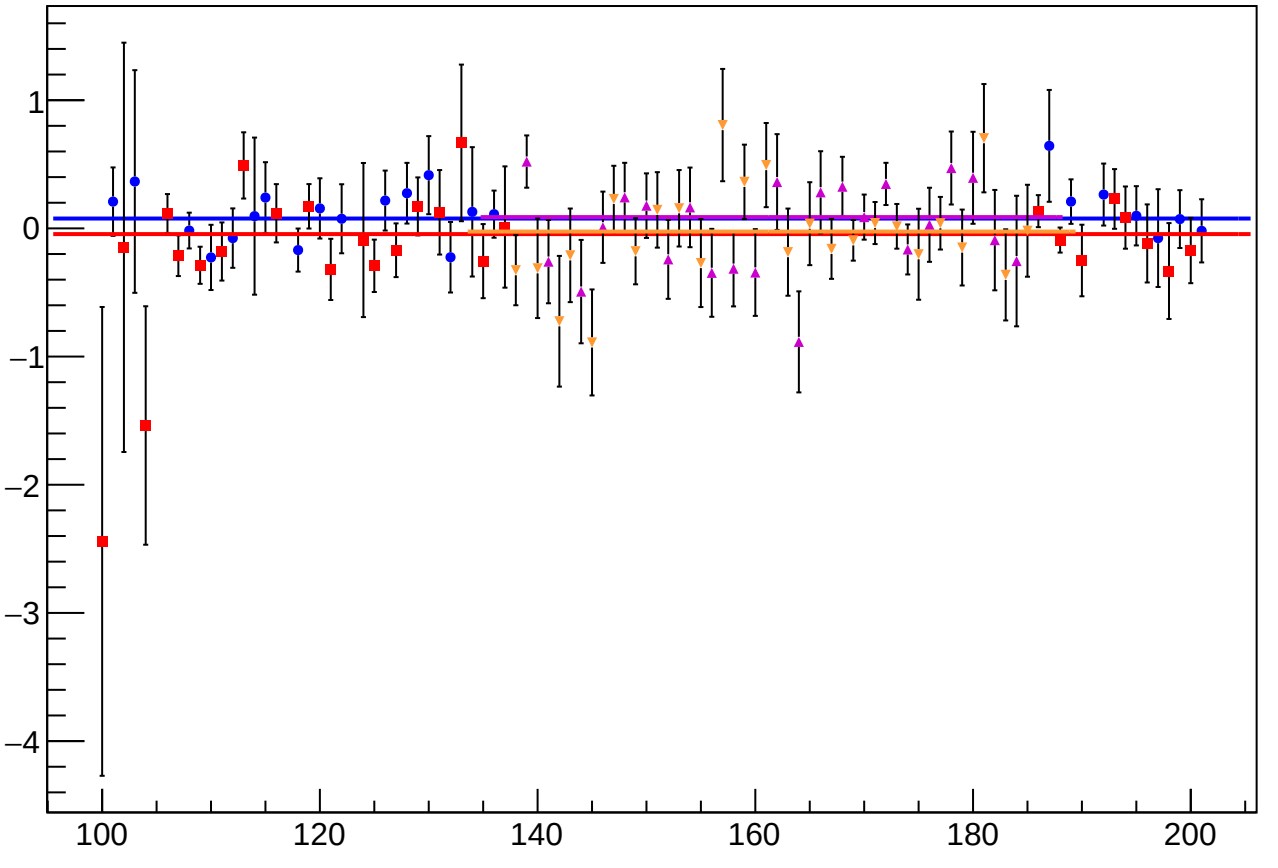
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 142.336+/-0.023 χ^2/NDF: 8708560.2/49

In: 191.171+/-0.027 χ^2/NDF:6804355.6/45

Out: 163.666+/-0.023 χ^2/NDF:12686744.3/51

All: 175.608+/-0.018 χ^2/NDF: 20095738.6/97



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: -0.045+/-0.041 χ^2/NDF: 27.7/26

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

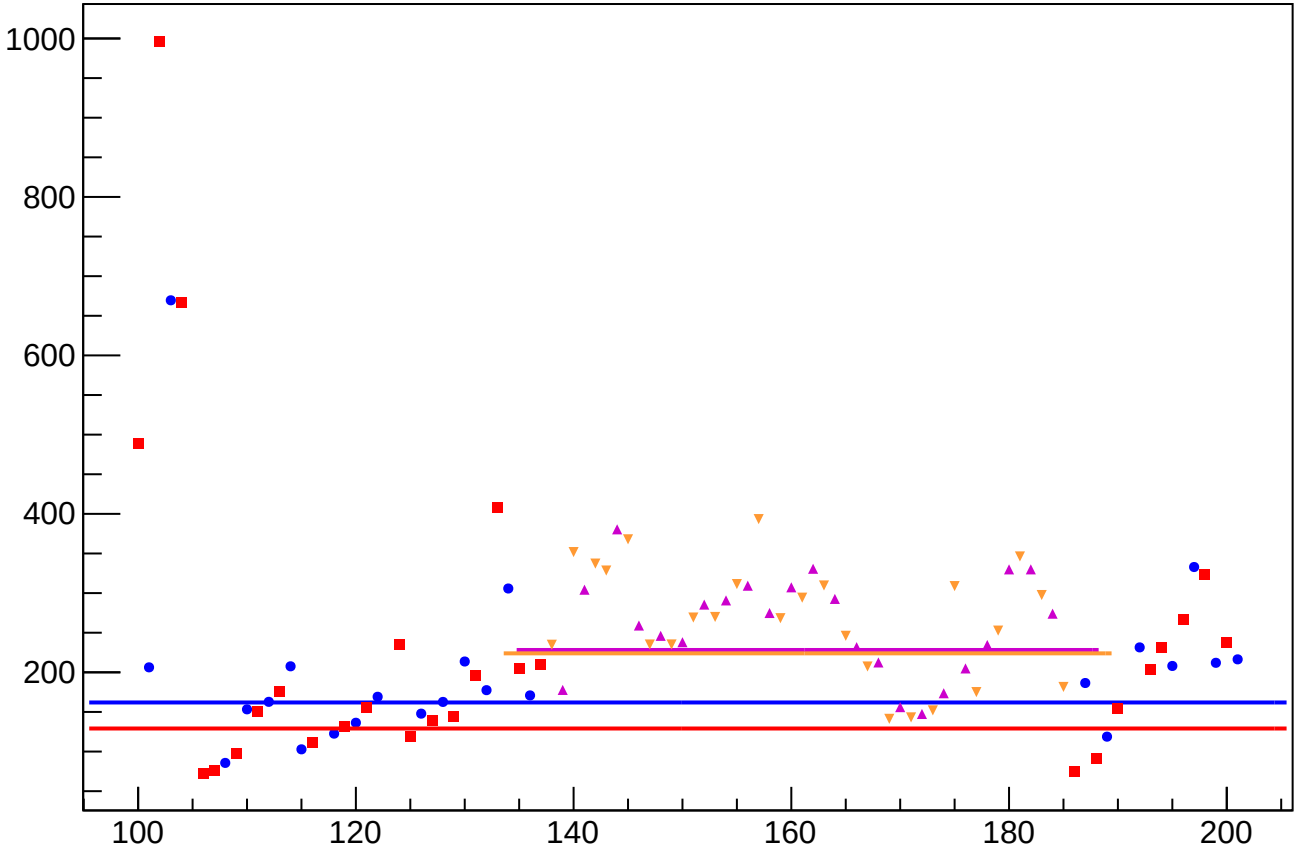
Right: 0.004+/-0.032 χ^2/NDF: 43.2/49

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.014+/-0.025 χ^2/NDF: 99.6/97

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: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

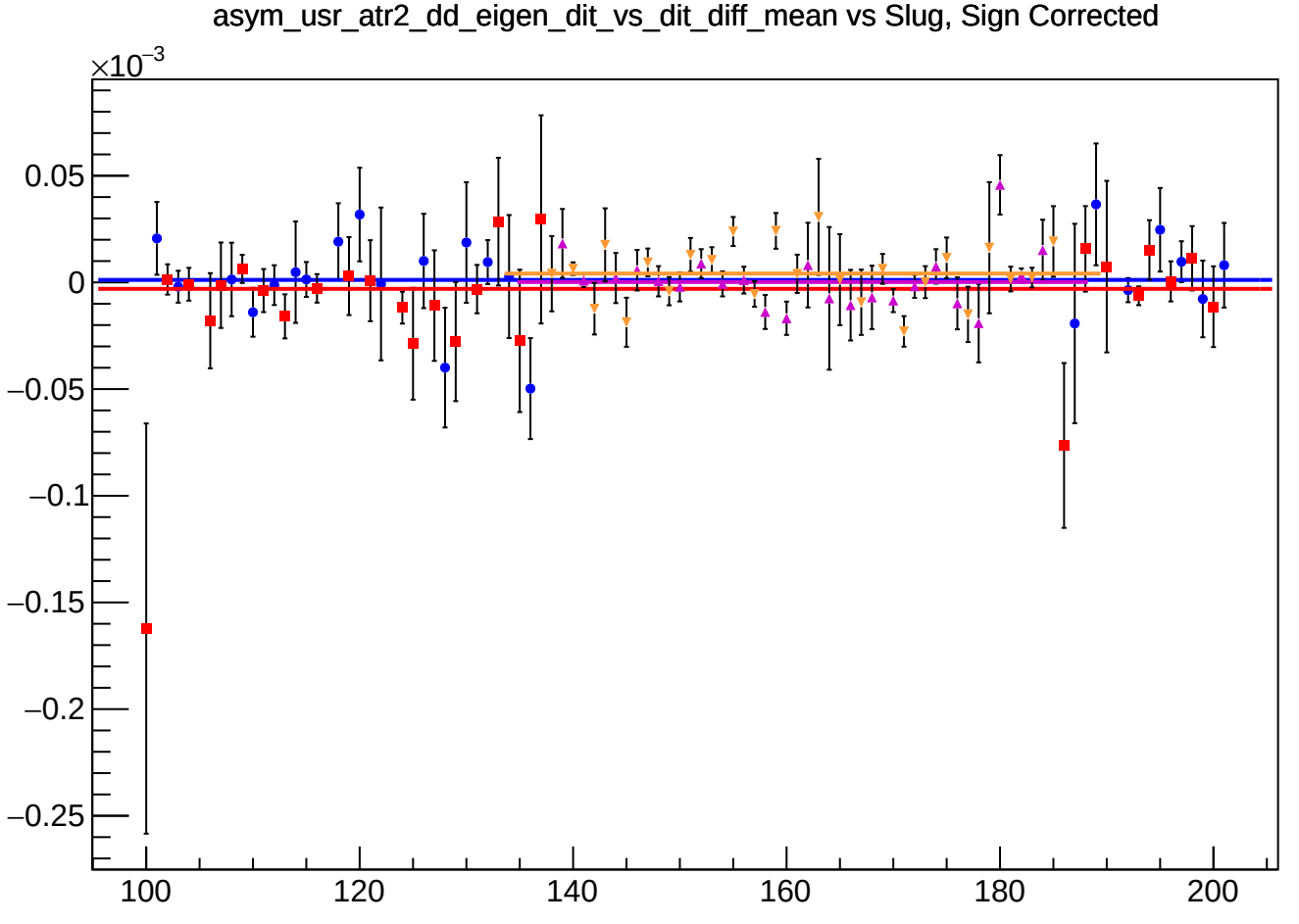
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 142.336+/-0.023 χ^2/NDF: 8708560.2/49

In: 191.171+/-0.027 χ^2/NDF:6804355.6/45

Out: 163.666+/-0.023 χ^2/NDF:12686744.3/51

All: 175.608+/-0.018 χ^2/NDF: 20095738.6/97



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: 20.7/26

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

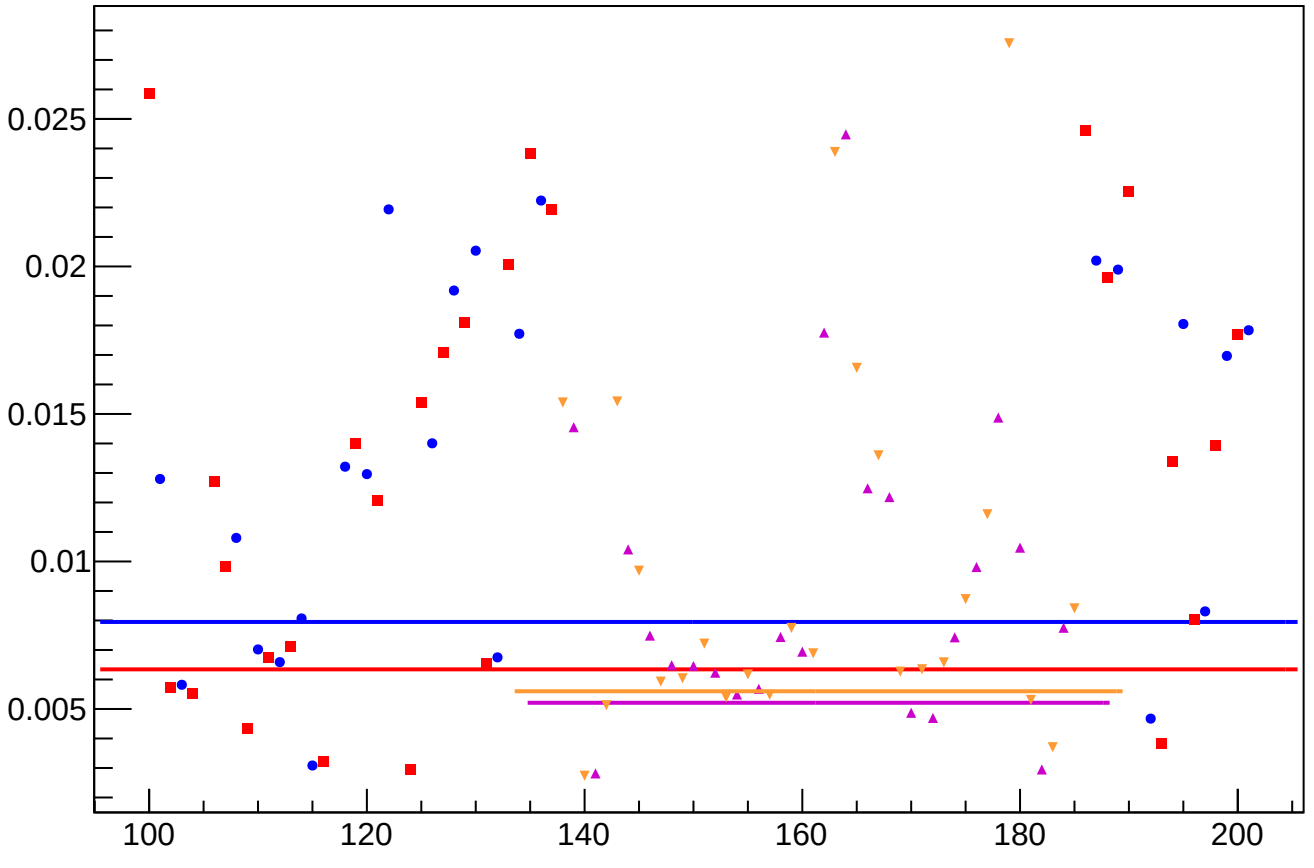
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.5/49

In: 0.000+/-0.000 χ^2/NDF:49.5/45

Out: 0.000+/-0.000 χ^2/NDF:77.3/51

All: 0.000+/-0.000 χ^2/NDF: 127.4/97



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: 8136060.9/26

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

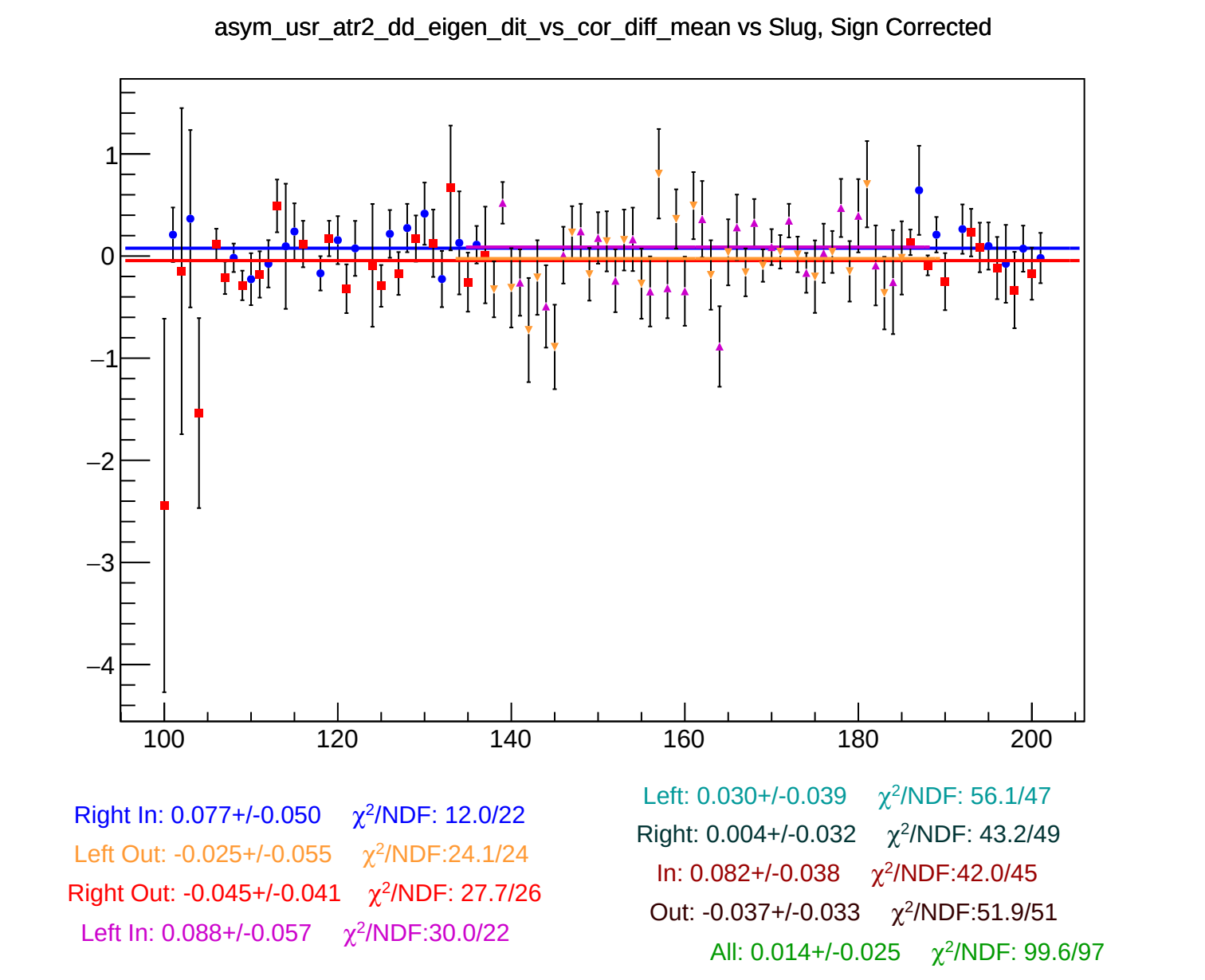
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

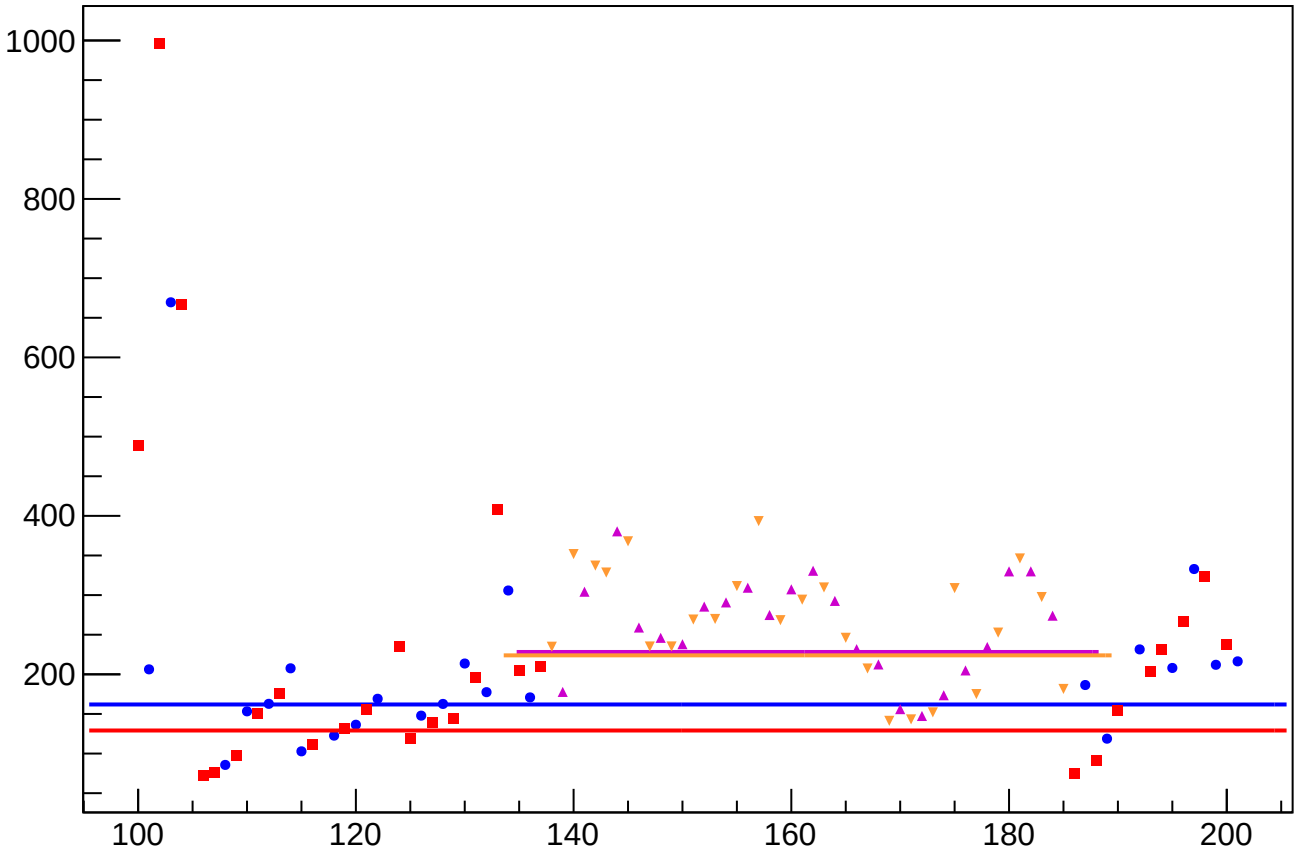
Right: 0.007+/-0.000 χ^2/NDF: 14841105.8/49

In: 0.006+/-0.000 χ^2/NDF:15320430.4/45

Out: 0.006+/-0.000 χ^2/NDF:16071271.4/51

All: 0.006+/-0.000 χ^2/NDF: 31392538.6/97


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.077+/-0.050 χ²/NDF: 12.0/22
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.045+/-0.041 χ²/NDF: 27.7/26
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.004+/-0.032 χ²/NDF: 43.2/49
In: 0.082+/-0.038 χ²/NDF:42.0/45
Out: -0.037+/-0.033 χ²/NDF:51.9/51
All: 0.014+/-0.025 χ²/NDF: 99.6/97



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: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

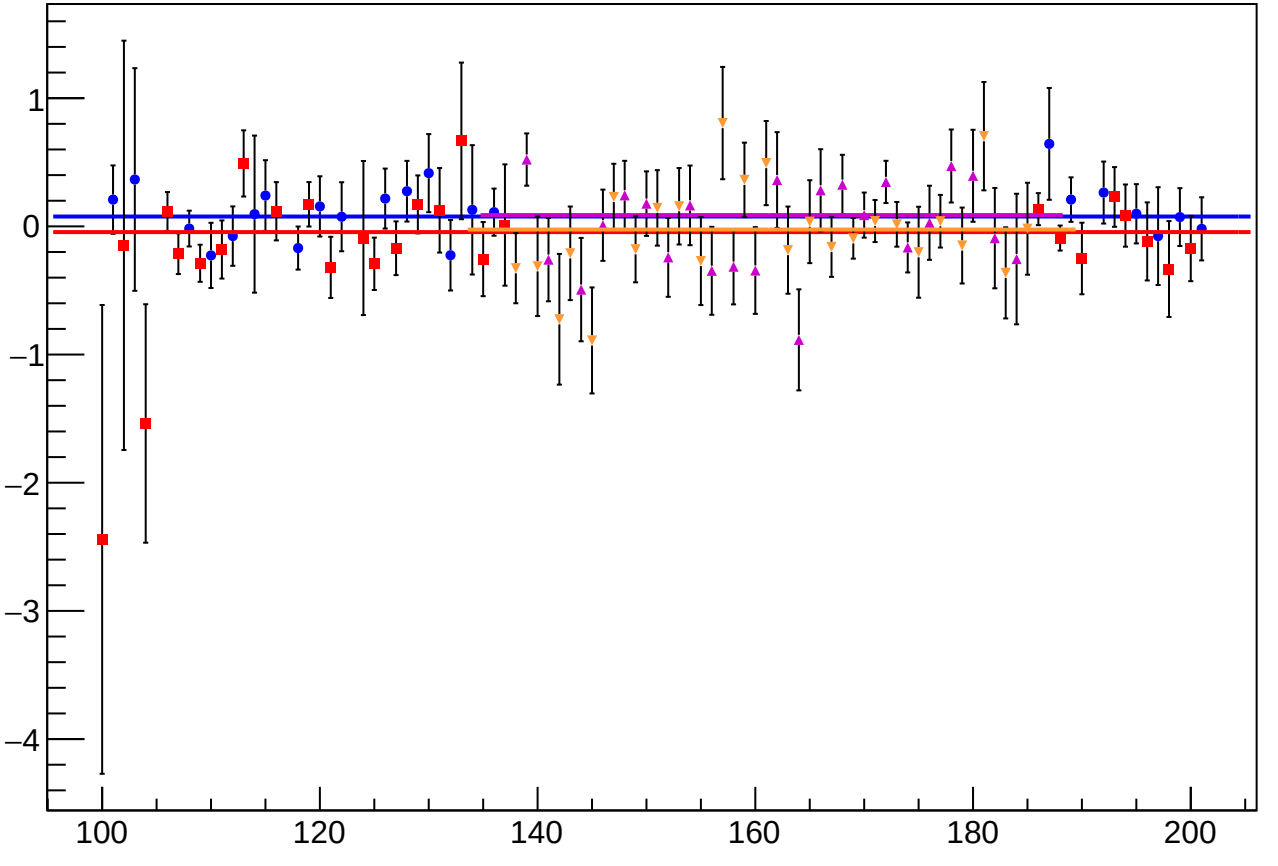
Right: 142.339+/-0.023 χ^2/NDF: 8708041.0/49

In: 191.169+/-0.027 χ^2/NDF:6804815.6/45

Out: 163.671+/-0.023 χ^2/NDF:12686006.8/51

All: 175.610+/-0.018 χ^2/NDF: 20095172.8/97

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: -0.045+/-0.041 χ^2/NDF: 27.7/26

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

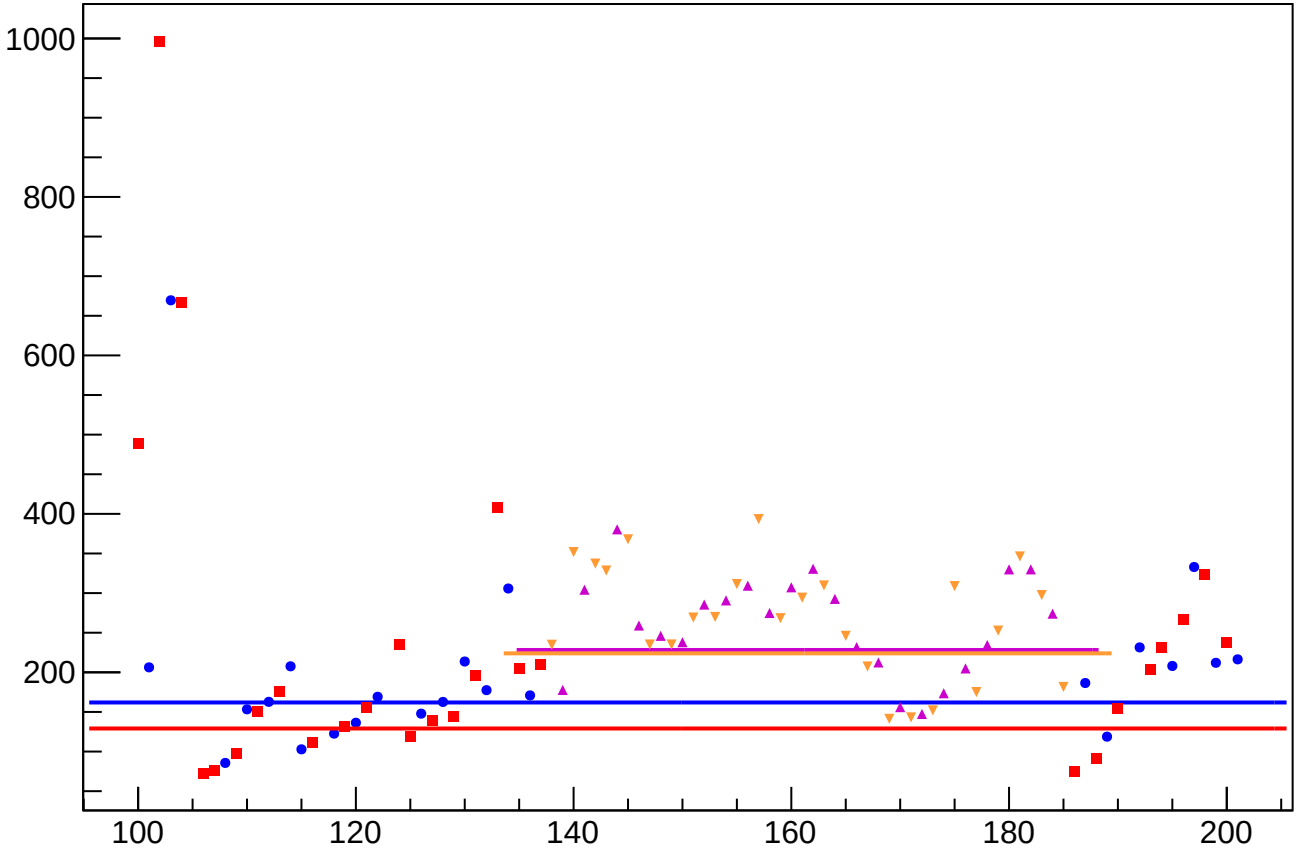
Right: 0.004+/-0.032 χ^2/NDF: 43.2/49

In: 0.082+/-0.038 χ^2/NDF:42.0/45

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.014+/-0.025 χ^2/NDF: 99.6/97

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: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

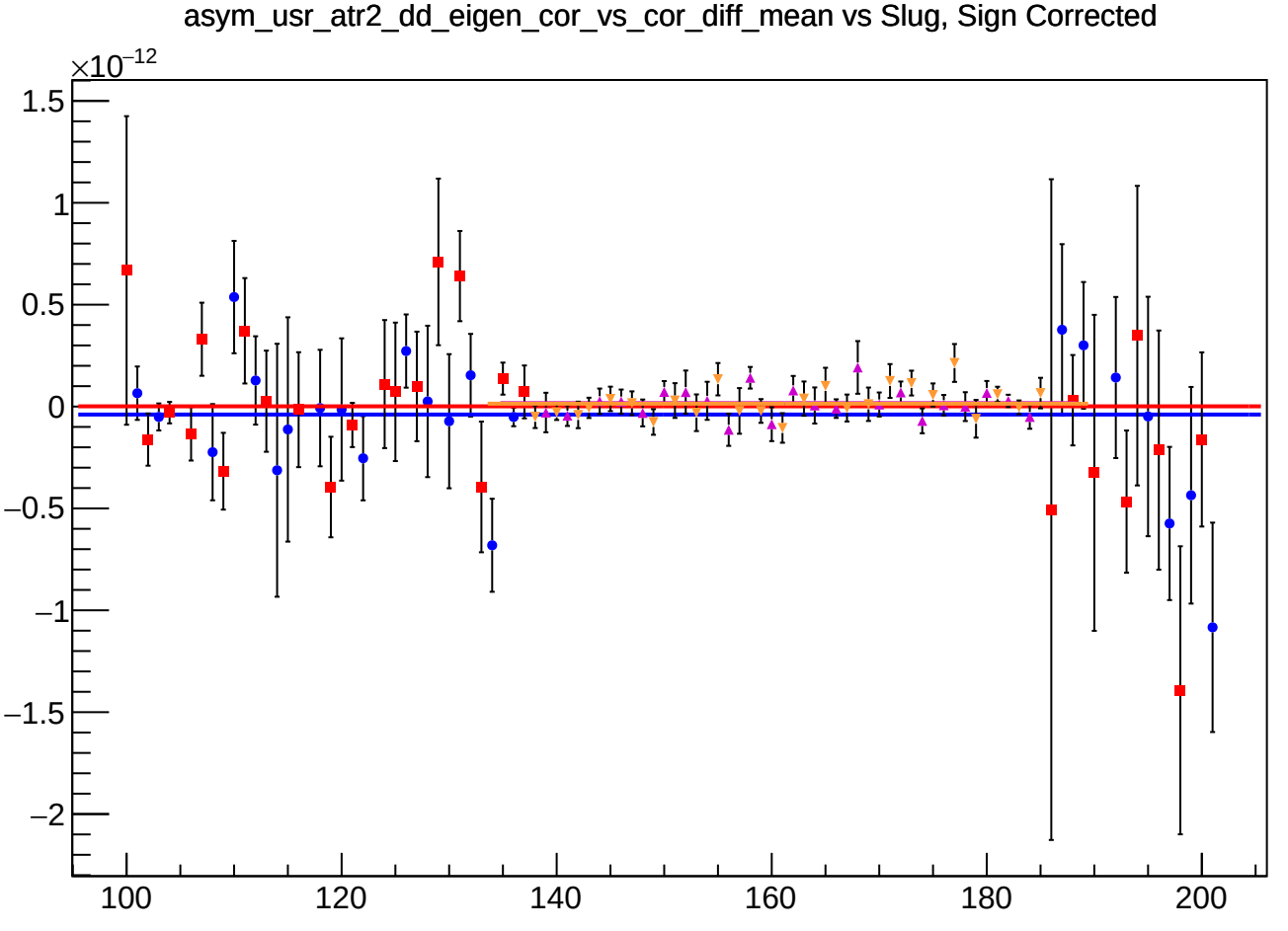
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 142.339+/-0.023 χ^2/NDF: 8708041.0/49

In: 191.169+/-0.027 χ^2/NDF:6804815.6/45

Out: 163.671+/-0.023 χ^2/NDF:12686006.8/51

All: 175.610+/-0.018 χ^2/NDF: 20095172.8/97



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: 38.3/26

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

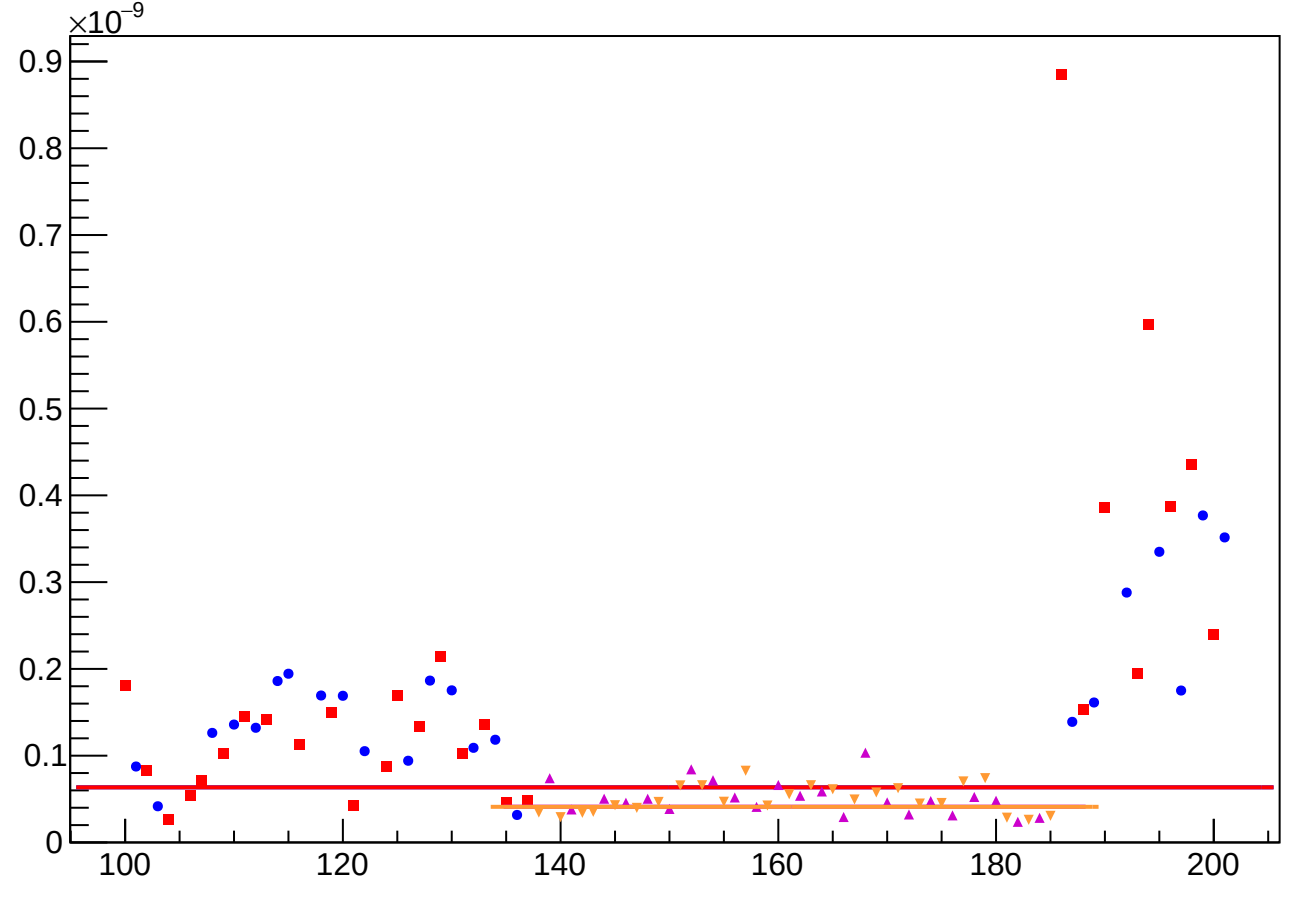
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.7/49

In: 0.000+/-0.000 χ^2/NDF:53.0/45

Out: 0.000+/-0.000 χ^2/NDF:63.8/51

All: 0.000+/-0.000 χ^2/NDF: 116.9/97



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: 6869515.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

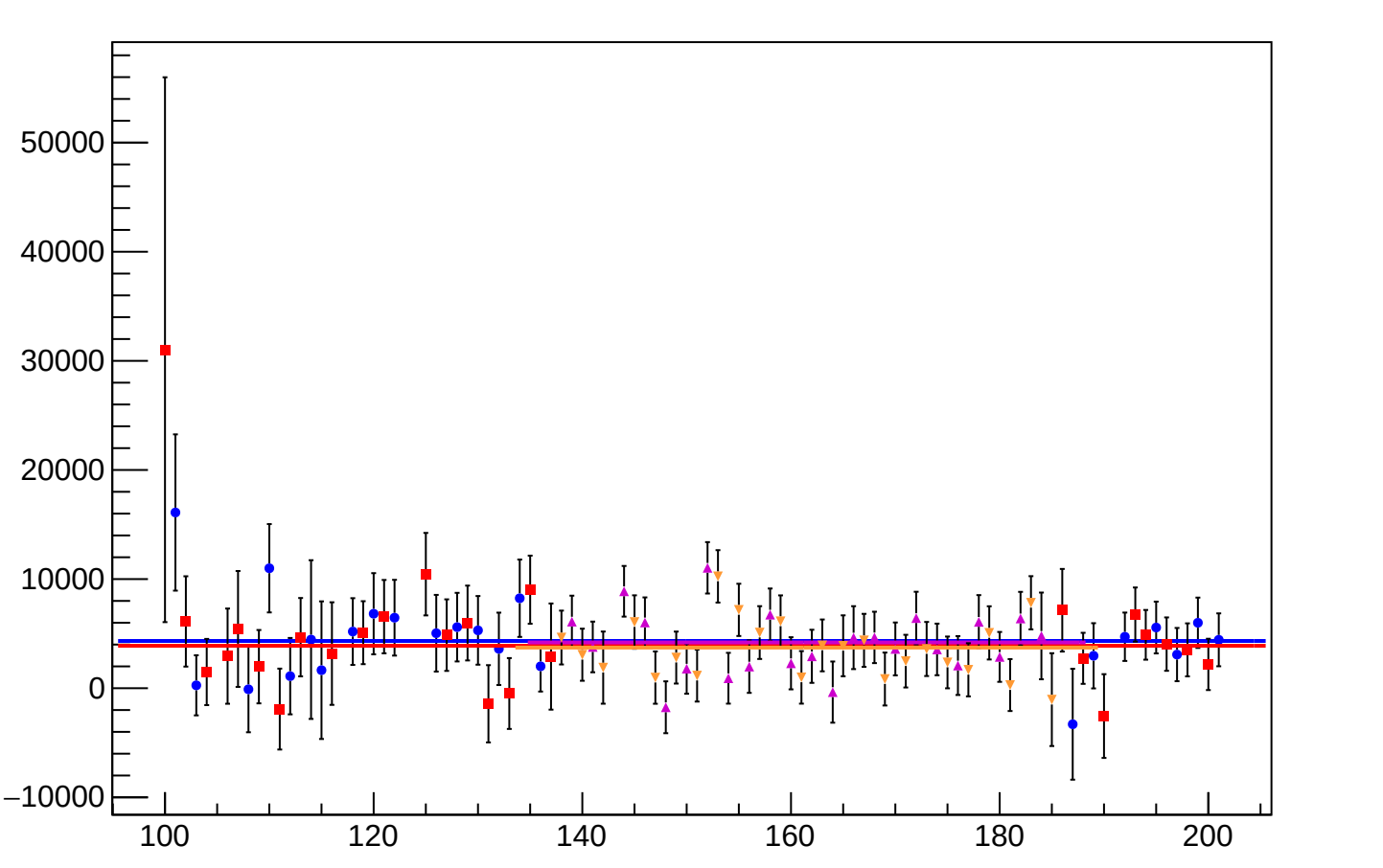
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12906920.3/49

In: 0.000+/-0.000 χ^2/NDF:9758250.0/45

Out: 0.000+/-0.000 χ^2/NDF:10407175.8/51

All: 0.000+/-0.000 χ^2/NDF: 20165849.6/97



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: 3888.801+/-631.112 χ^2/NDF: 22.0/25

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

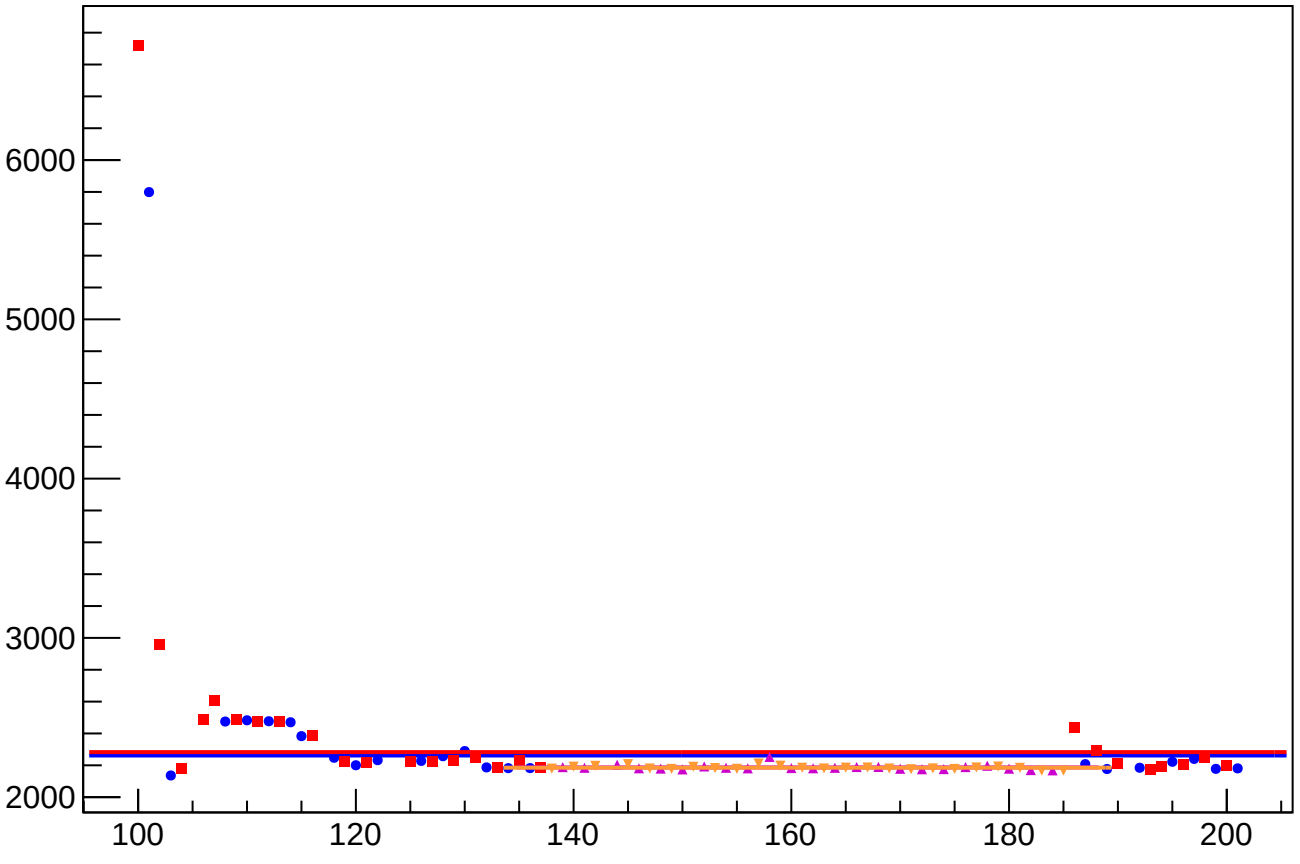
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4103.273+/-452.939 χ^2/NDF: 39.2/48

In: 4247.464+/-401.619 χ^2/NDF:49.0/45

Out: 3788.352+/-395.328 χ^2/NDF:47.5/49

All: 4014.284+/-281.737 χ^2/NDF: 97.2/95



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: 2282.970+/-0.446 χ^2/NDF: 173167.2/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

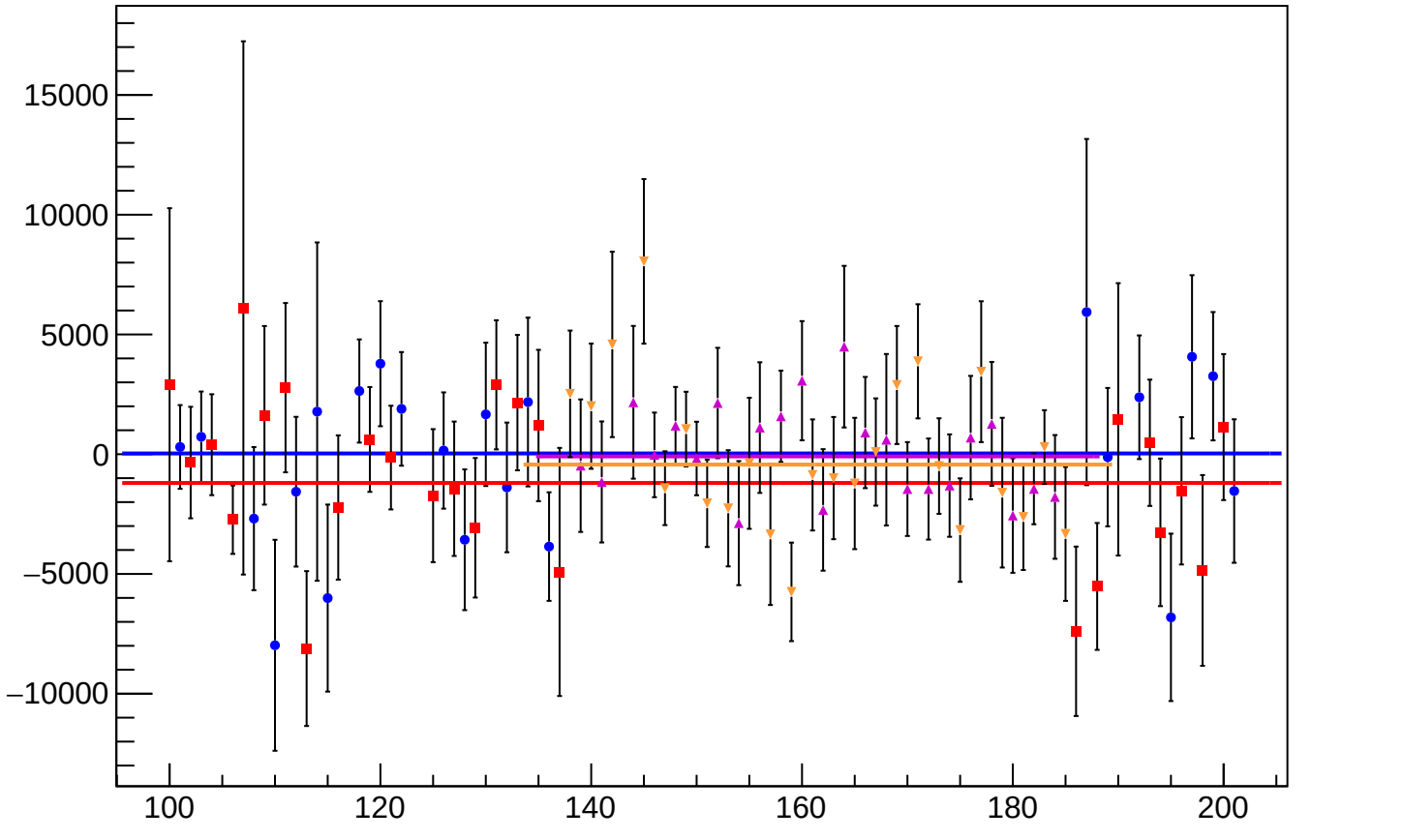
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

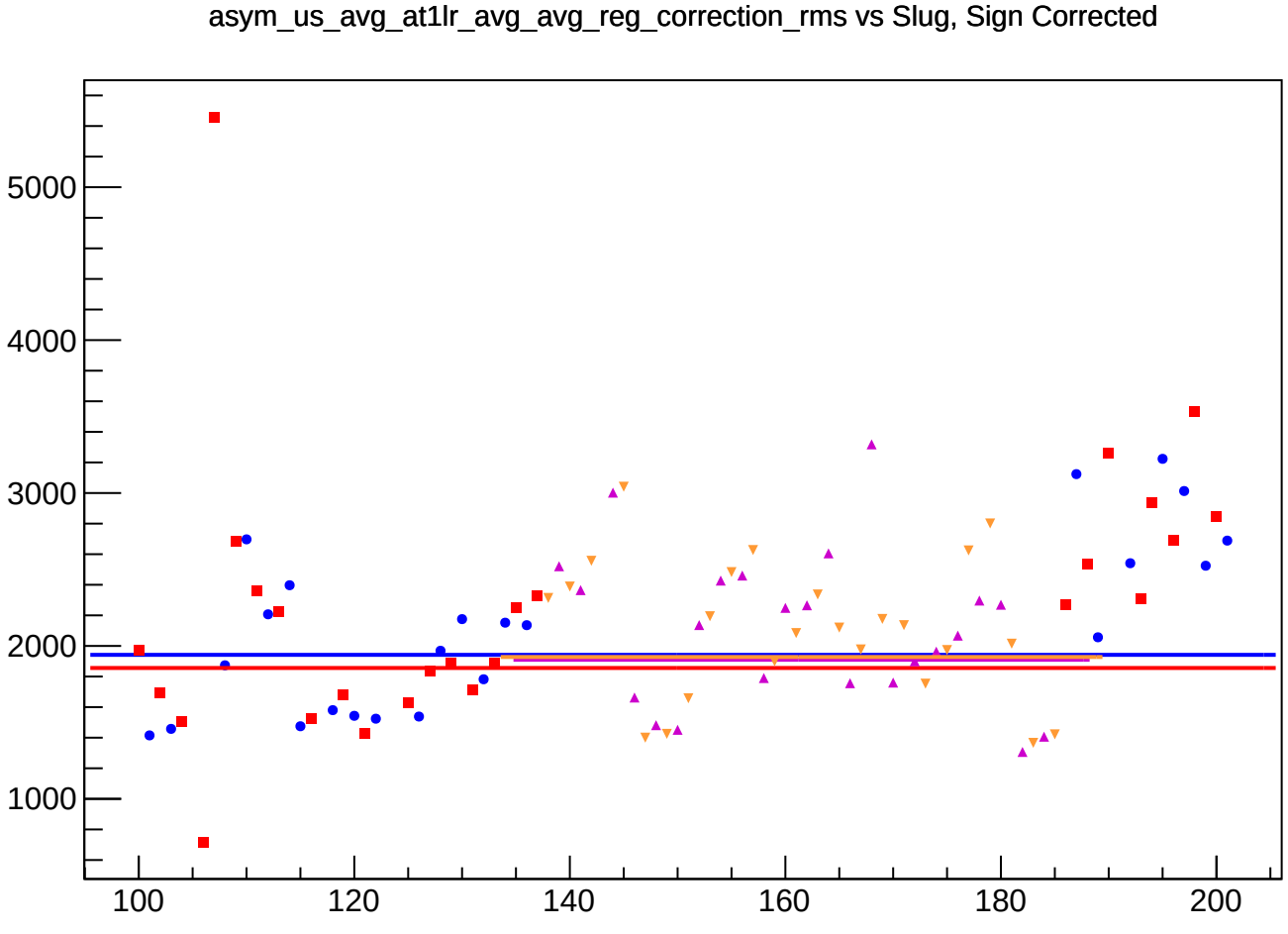
Right: 2272.676+/-0.320 χ^2/NDF: 703457.2/48

In: 2215.339+/-0.284 χ^2/NDF:547708.8/45

Out: 2223.522+/-0.280 χ^2/NDF:203187.8/49

All: 2219.495+/-0.199 χ^2/NDF: 751318.3/95


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 31.652+/-575.912 χ²/NDF: 25.0/22
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: -1200.000+/-553.871 χ²/NDF: 23.6/25
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -608.193+/-399.211 χ²/NDF: 50.9/48
In: -44.149+/-359.740 χ²/NDF:37.8/45
Out: -747.586+/-354.953 χ²/NDF:56.0/49
All: -400.579+/-252.665 χ²/NDF: 95.7/95



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: 1855.878+/-0.392 χ^2/NDF: 3197899.0/25

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

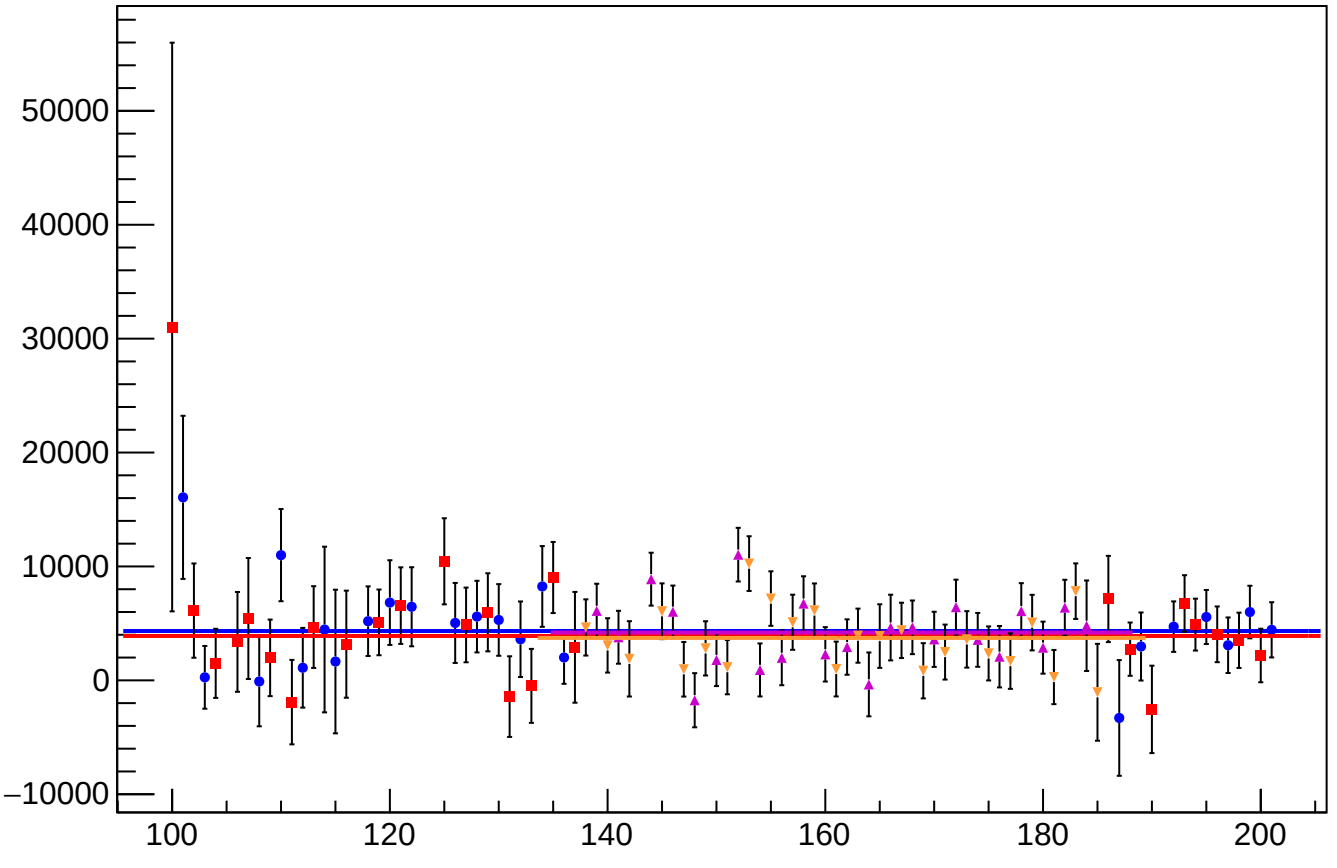
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1897.140+/-0.282 χ^2/NDF: 4756380.6/48

In: 1922.152+/-0.254 χ^2/NDF:3481444.4/45

Out: 1898.180+/-0.251 χ^2/NDF:5016078.3/49

All: 1910.005+/-0.179 χ^2/NDF: 8502022.9/95



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: 3898.321+/-631.169 χ^2/NDF: 22.0/25

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

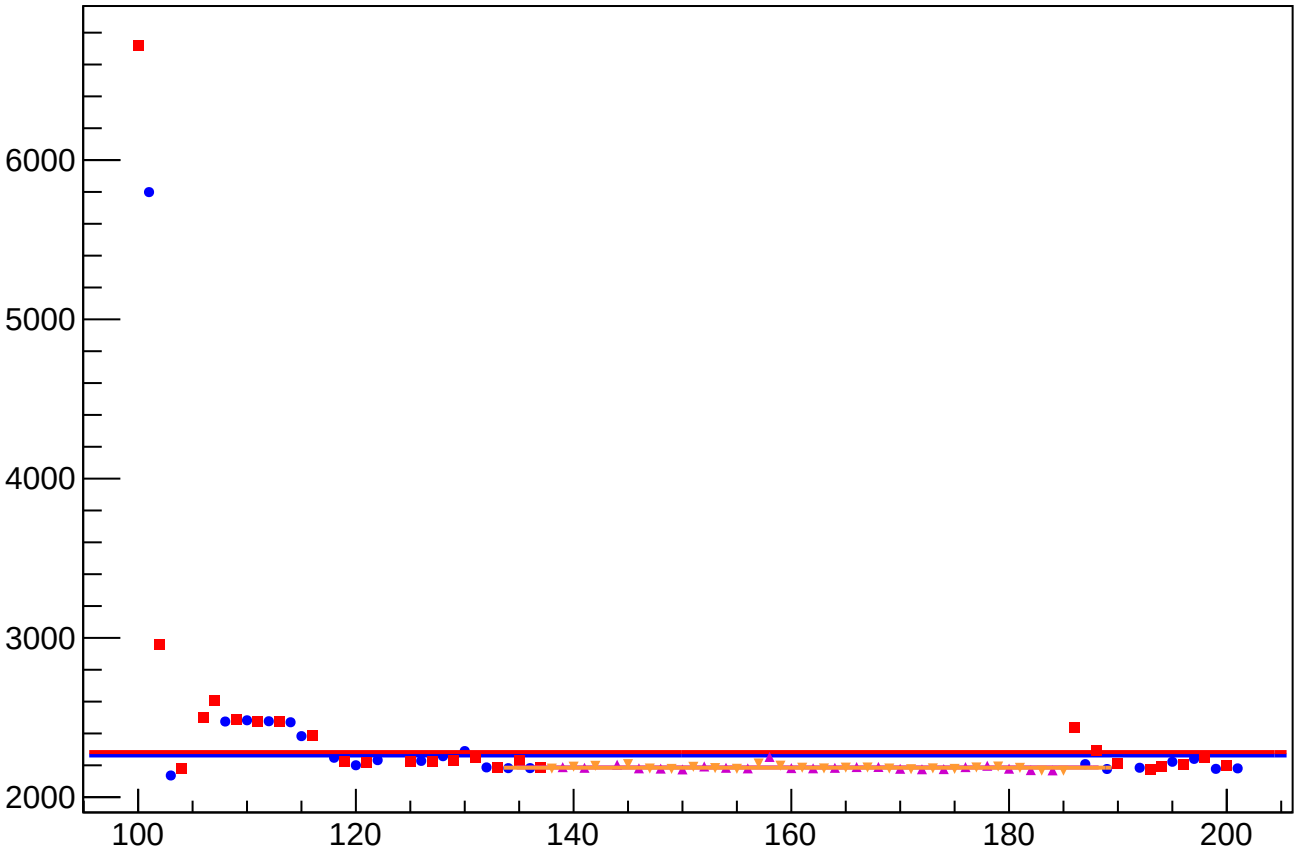
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4108.071+/-452.960 χ^2/NDF: 39.1/48

In: 4247.439+/-401.619 χ^2/NDF:49.0/45

Out: 3792.048+/-395.342 χ^2/NDF:47.5/49

All: 4016.157+/-281.742 χ^2/NDF: 97.2/95



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: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

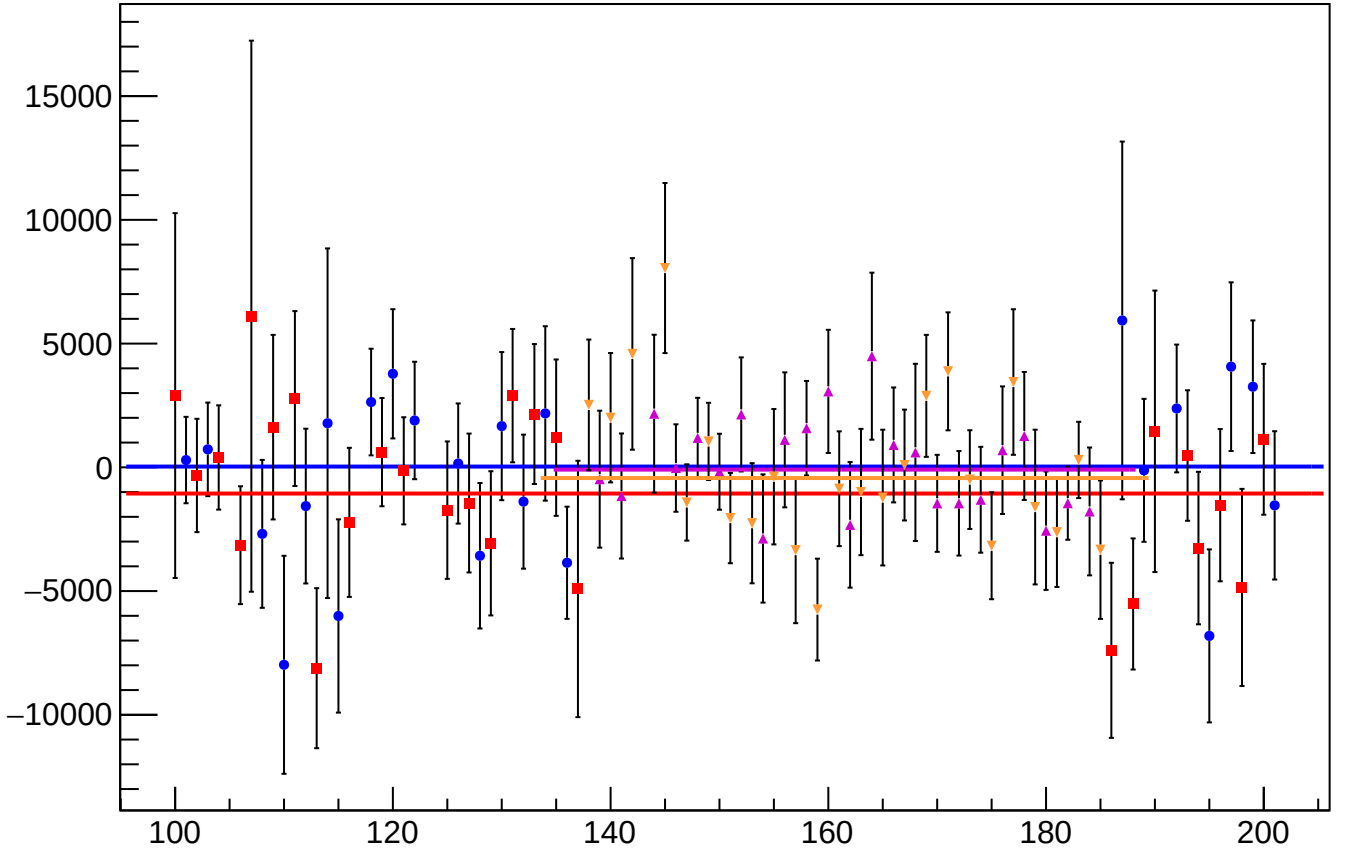
Right: 2272.771+/-0.320 χ^2/NDF: 703912.9/48

In: 2215.339+/-0.284 χ^2/NDF:547709.1/45

Out: 2223.591+/-0.280 χ^2/NDF:203731.4/49

All: 2219.530+/-0.199 χ^2/NDF: 751869.3/95

asym_us_avg_at1lr_avg_avg_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: -1058.796+/-581.928 χ^2/NDF: 23.0/25

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

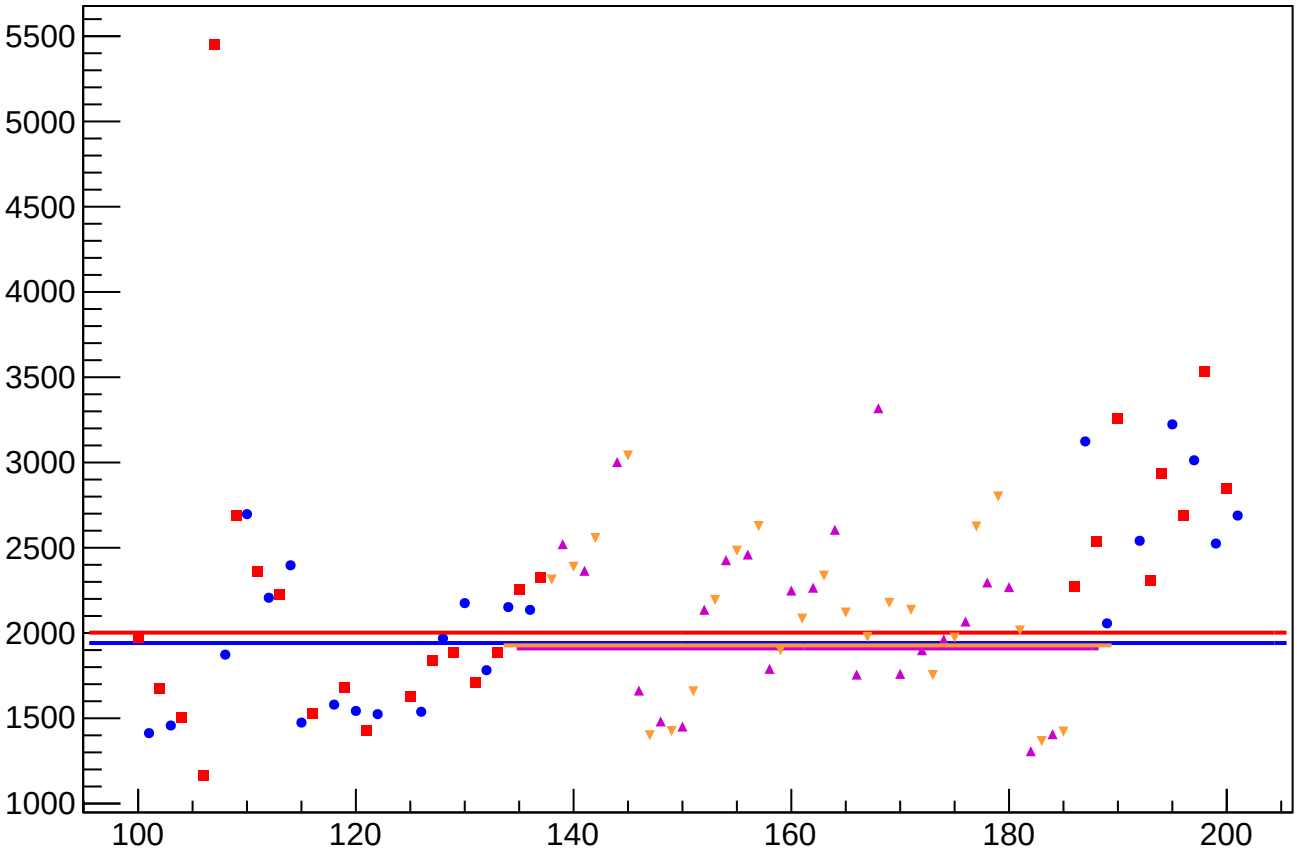
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -508.235+/-409.311 χ^2/NDF: 49.8/48

In: -44.430+/-359.720 χ^2/NDF:37.8/45

Out: -674.771+/-362.017 χ^2/NDF:55.0/49

All: -357.594+/-255.169 χ^2/NDF: 94.3/95



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: 2002.252+/-0.411 χ^2/NDF: 1967528.3/25

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

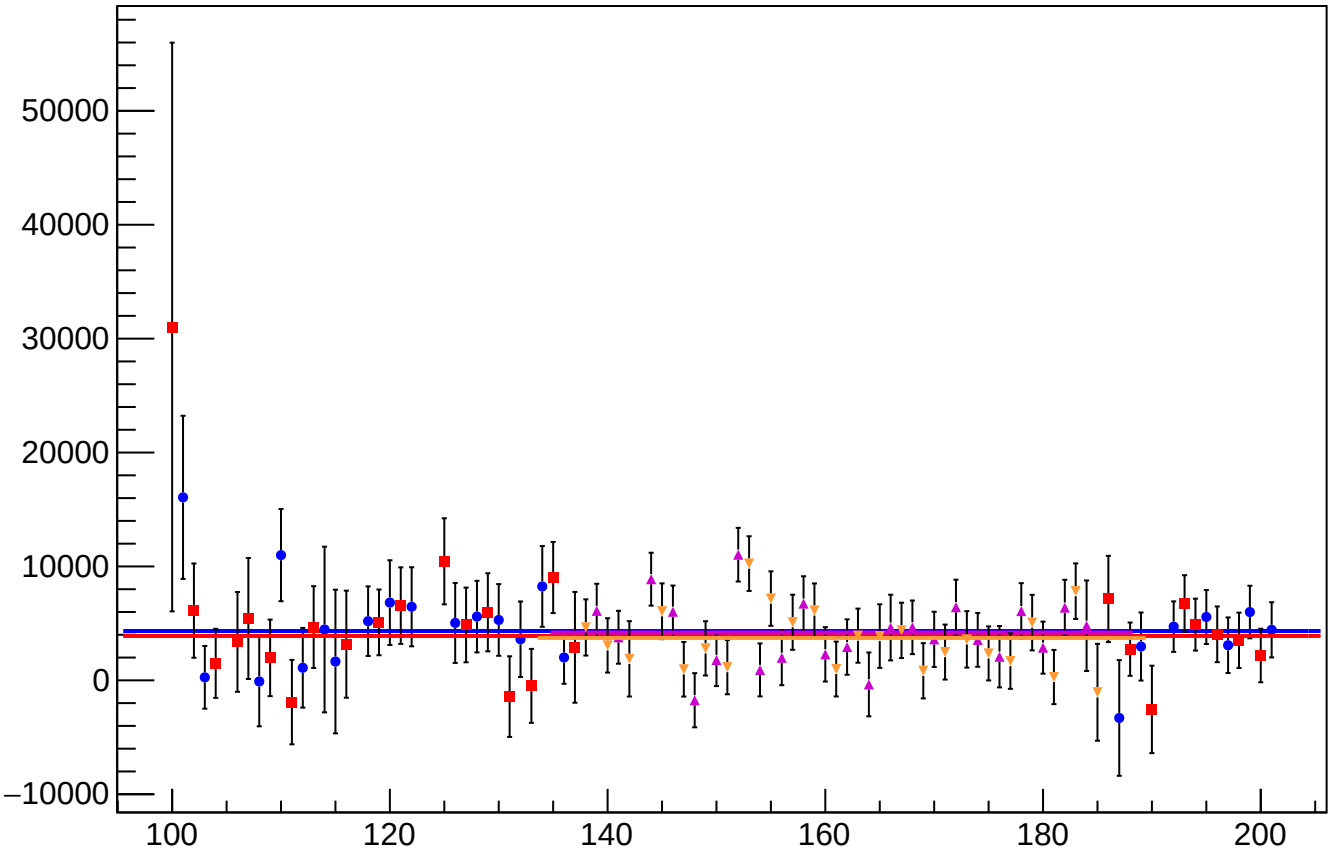
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1971.500+/-0.289 χ^2/NDF: 3515794.7/48

In: 1922.017+/-0.254 χ^2/NDF:3483212.1/45

Out: 1956.527+/-0.256 χ^2/NDF:3786079.4/49

All: 1939.162+/-0.180 χ^2/NDF: 7278436.6/95



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: 3898.321+/-631.169 χ^2/NDF: 22.0/25

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

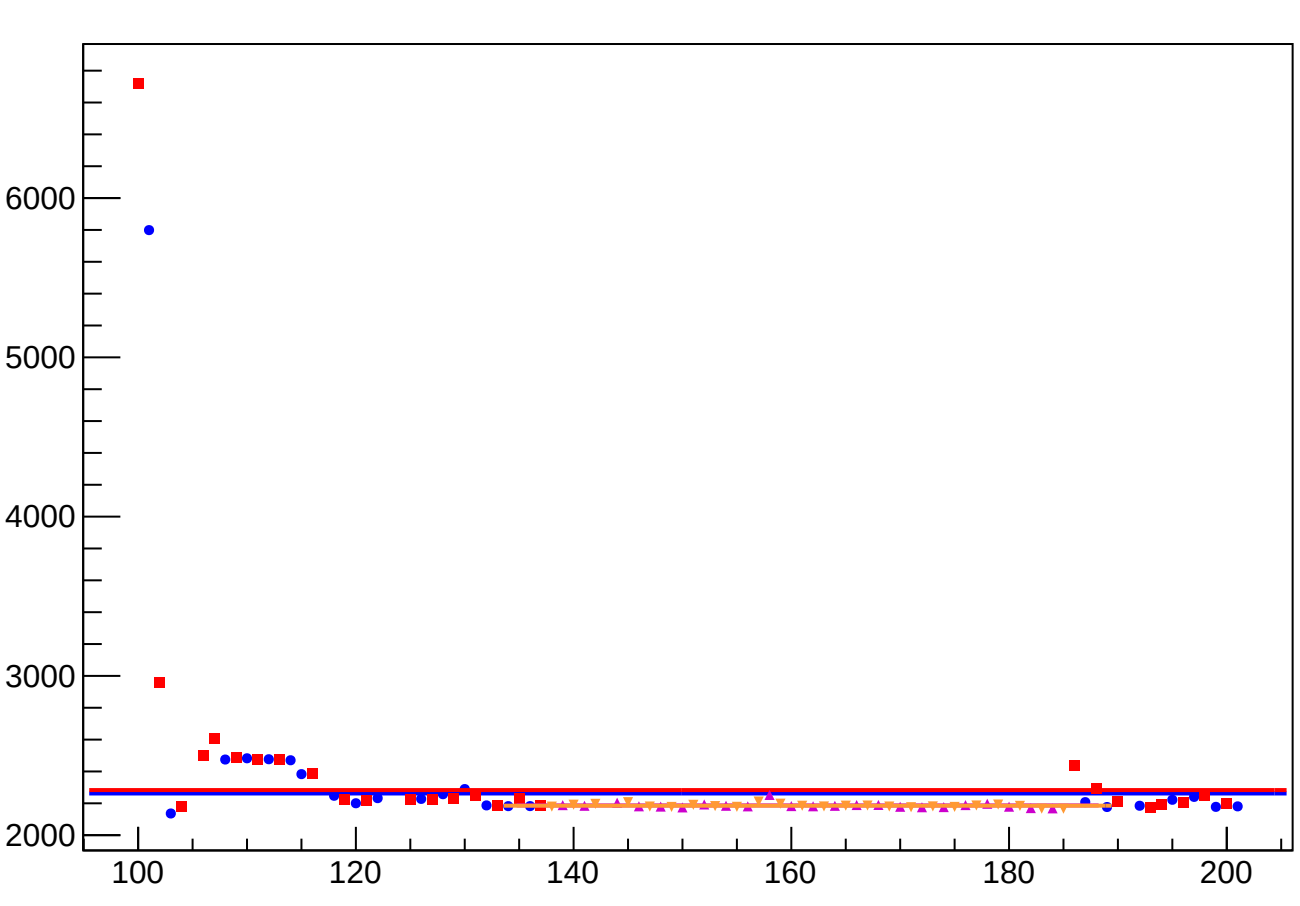
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4108.071+/-452.960 χ^2/NDF: 39.1/48

In: 4247.439+/-401.619 χ^2/NDF:49.0/45

Out: 3792.048+/-395.342 χ^2/NDF:47.5/49

All: 4016.157+/-281.742 χ^2/NDF: 97.2/95



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: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

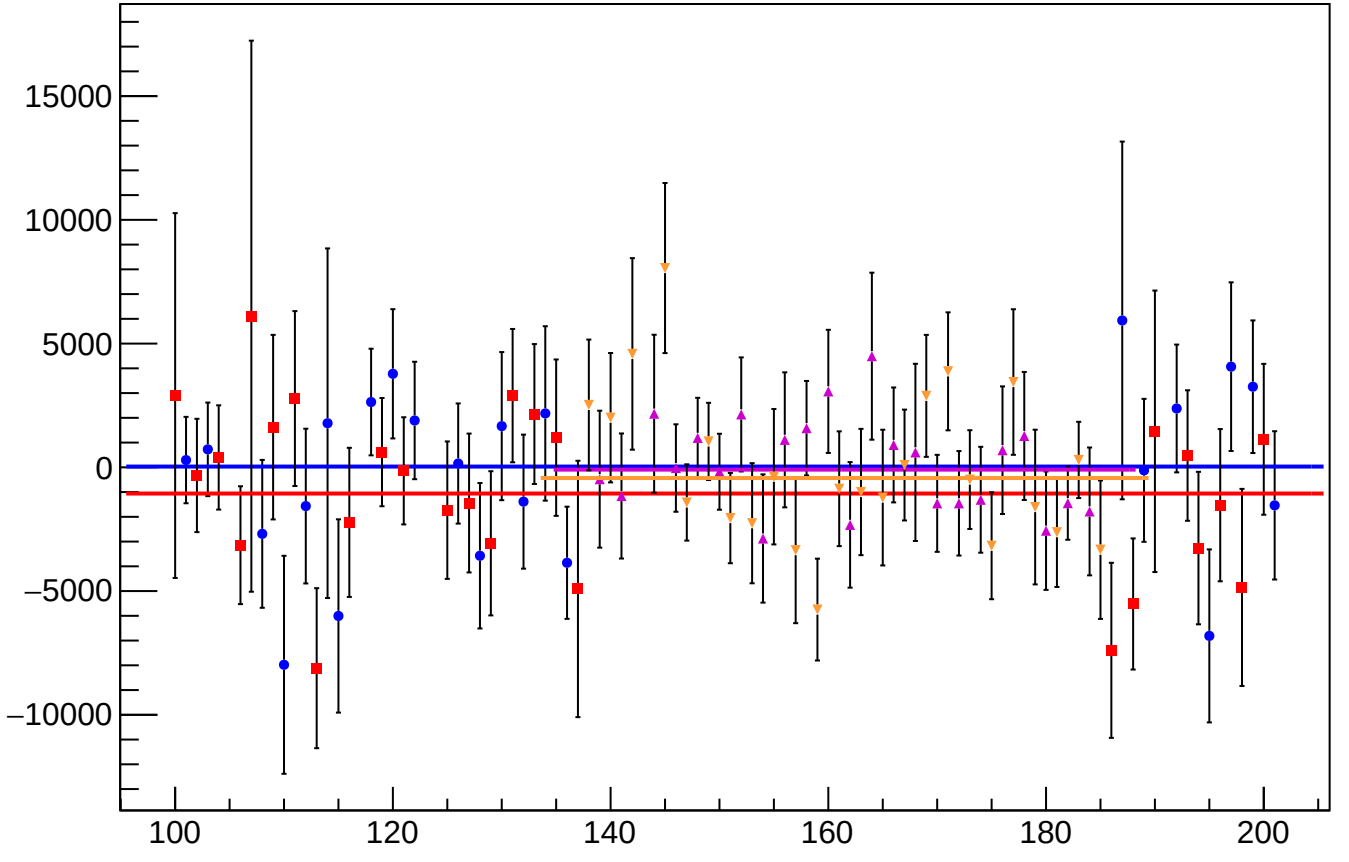
Right: 2272.771+/-0.320 χ^2/NDF: 703912.9/48

In: 2215.339+/-0.284 χ^2/NDF:547709.1/45

Out: 2223.591+/-0.280 χ^2/NDF:203731.4/49

All: 2219.530+/-0.199 χ^2/NDF: 751869.3/95

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: -1058.796+/-581.928 χ^2/NDF: 23.0/25

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

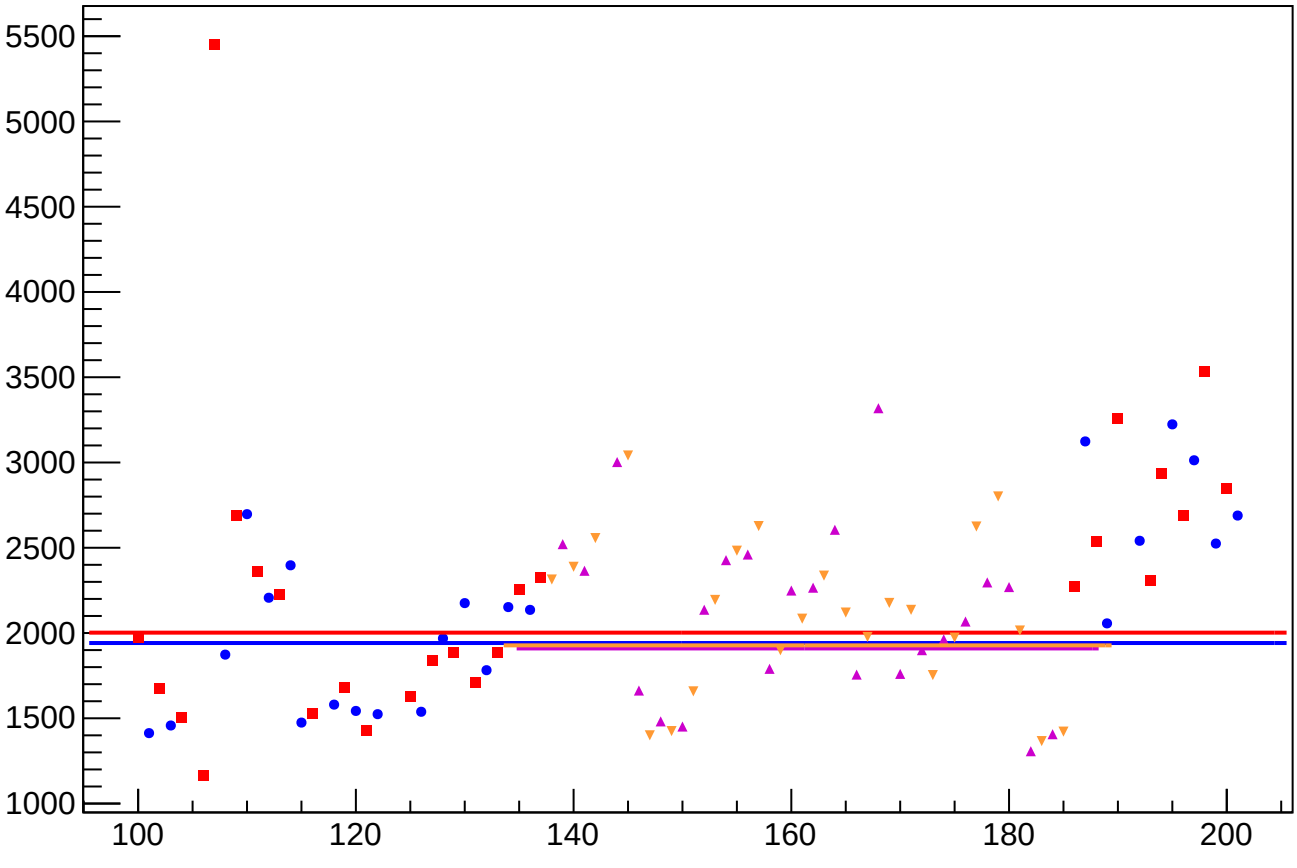
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -508.235+/-409.311 χ^2/NDF: 49.8/48

In: -44.430+/-359.720 χ^2/NDF:37.8/45

Out: -674.771+/-362.017 χ^2/NDF:55.0/49

All: -357.594+/-255.169 χ^2/NDF: 94.3/95



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: 2002.252+/-0.411 χ^2/NDF: 1967528.3/25

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

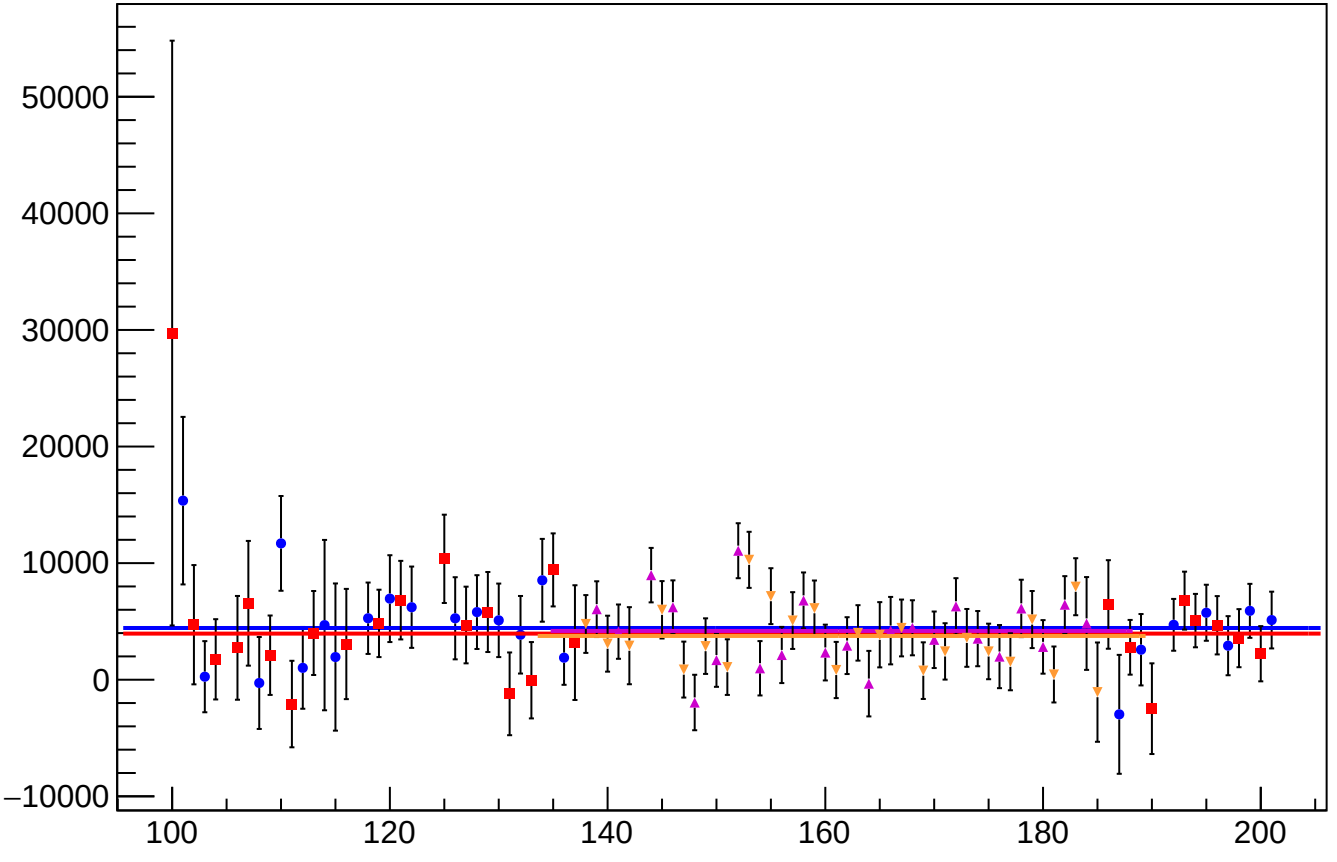
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1971.500+/-0.289 χ^2/NDF: 3515794.7/48

In: 1922.017+/-0.254 χ^2/NDF:3483212.1/45

Out: 1956.527+/-0.256 χ^2/NDF:3786079.4/49

All: 1939.162+/-0.180 χ^2/NDF: 7278436.6/95



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: 3955.248+/-641.460 χ^2/NDF: 21.1/25

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

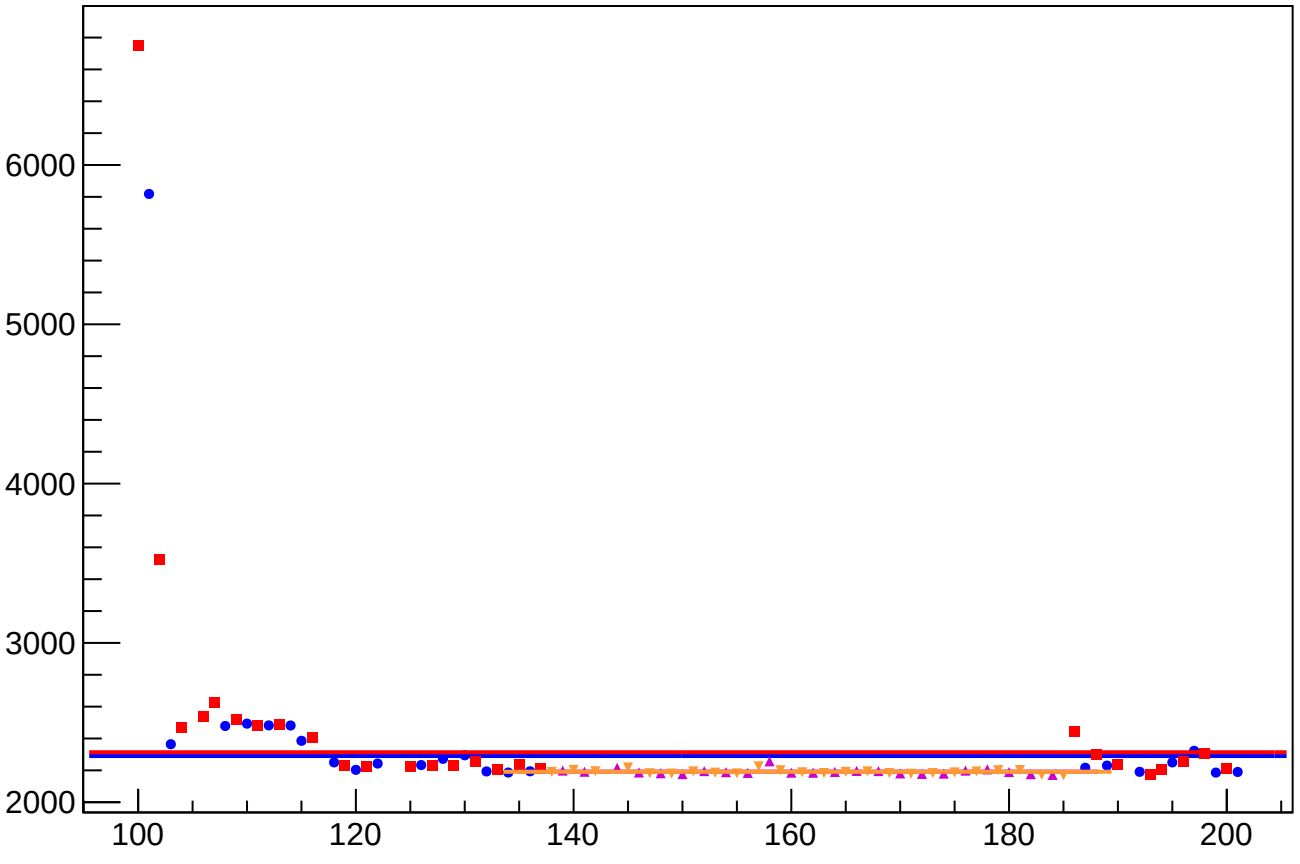
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4189.971+/-459.530 χ^2/NDF: 38.5/48

In: 4279.562+/-404.160 χ^2/NDF:49.9/45

Out: 3831.715+/-398.515 χ^2/NDF:46.8/49

All: 4052.489+/-283.768 χ^2/NDF: 97.4/95



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: 2313.703+/-0.454 χ^2/NDF: 236593.2/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

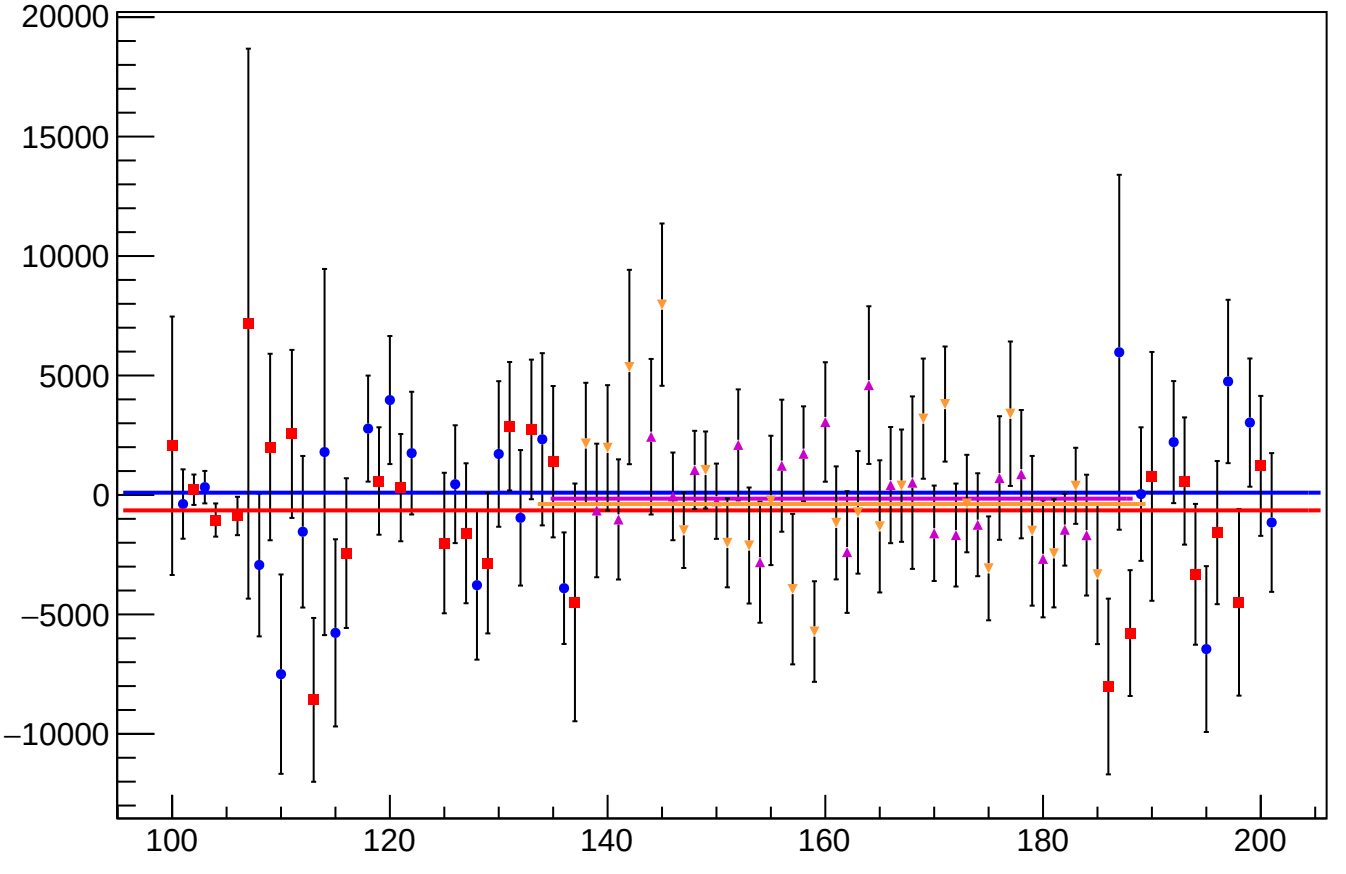
Right: 2302.139+/-0.325 χ^2/NDF: 761404.8/48

In: 2229.008+/-0.286 χ^2/NDF:553221.0/45

Out: 2238.450+/-0.282 χ^2/NDF:282651.0/49

All: 2233.795+/-0.201 χ^2/NDF: 836425.5/95

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: -646.276+/-344.791 χ^2/NDF: 25.8/25

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

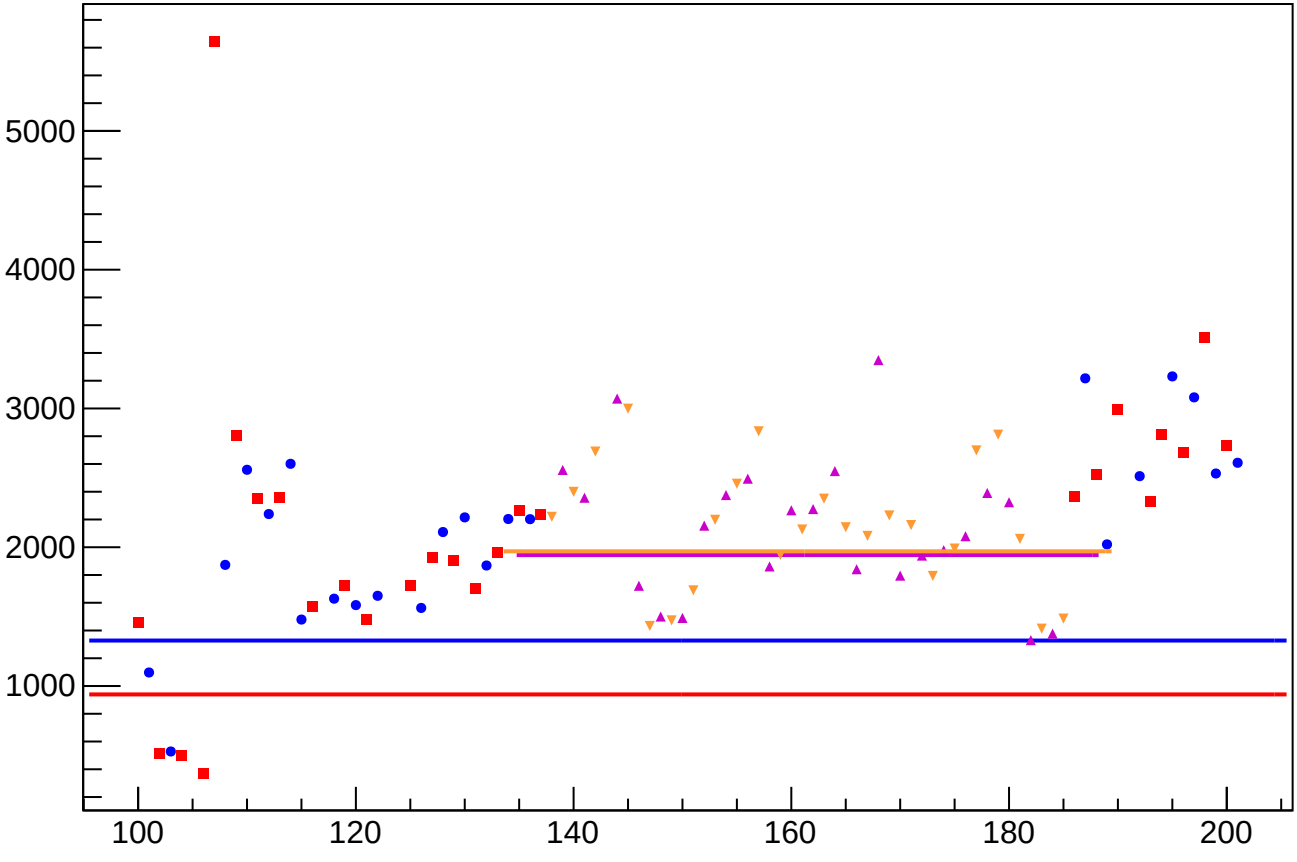
Right: -370.824+/-273.354 χ^2/NDF: 52.0/48

In: -24.305+/-323.816 χ^2/NDF:37.5/45

Out: -553.664+/-278.312 χ^2/NDF:56.8/49

All: -328.763+/-211.067 χ^2/NDF: 95.8/95

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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: 939.445+/-0.244 χ^2/NDF: 11088522.4/25

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

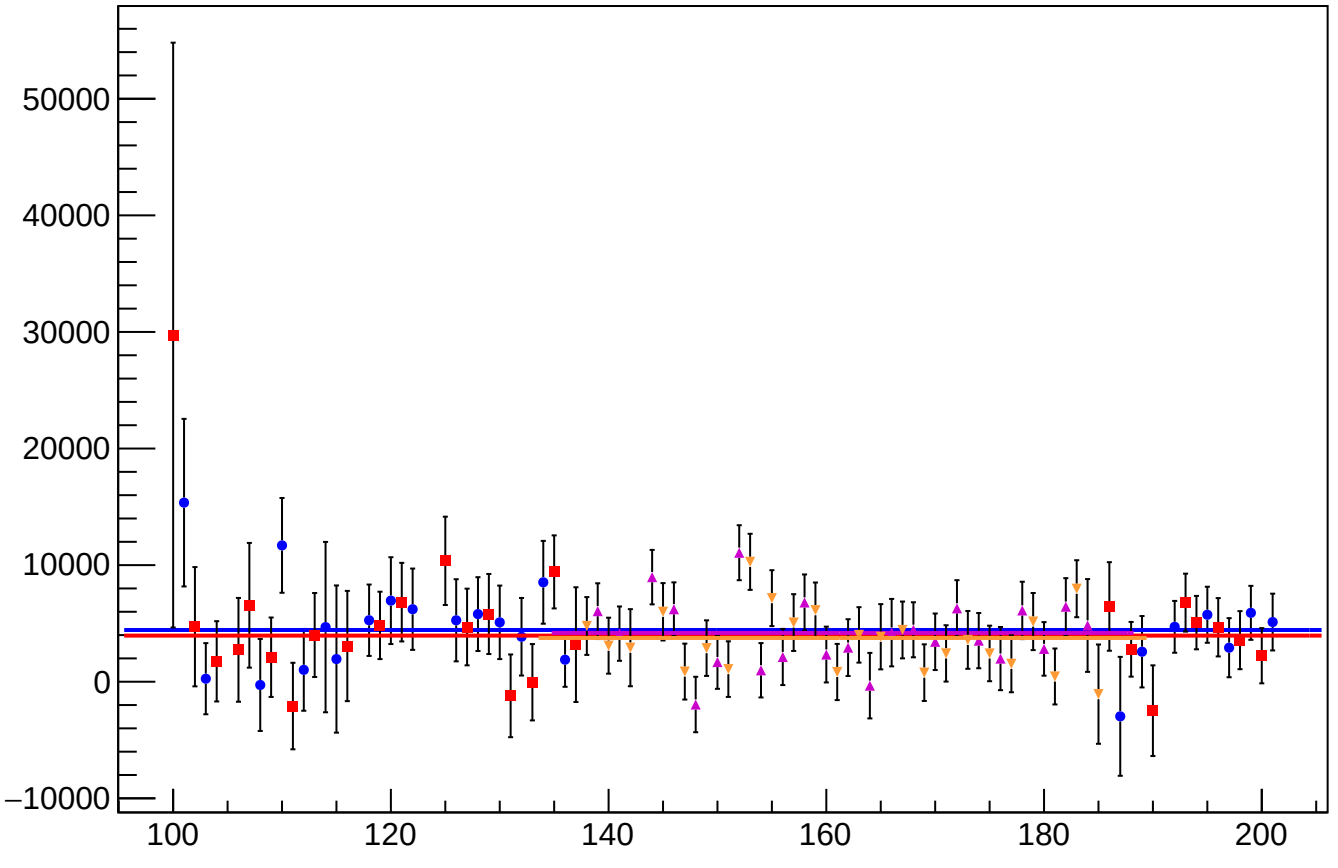
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1083.630+/-0.193 χ^2/NDF: 18787495.0/48

In: 1622.529+/-0.229 χ^2/NDF:10446538.8/45

Out: 1298.765+/-0.197 χ^2/NDF:19018908.0/49

All: 1436.318+/-0.149 χ^2/NDF: 30615361.9/9



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: 3955.244+/-641.460 χ^2/NDF: 21.1/25

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

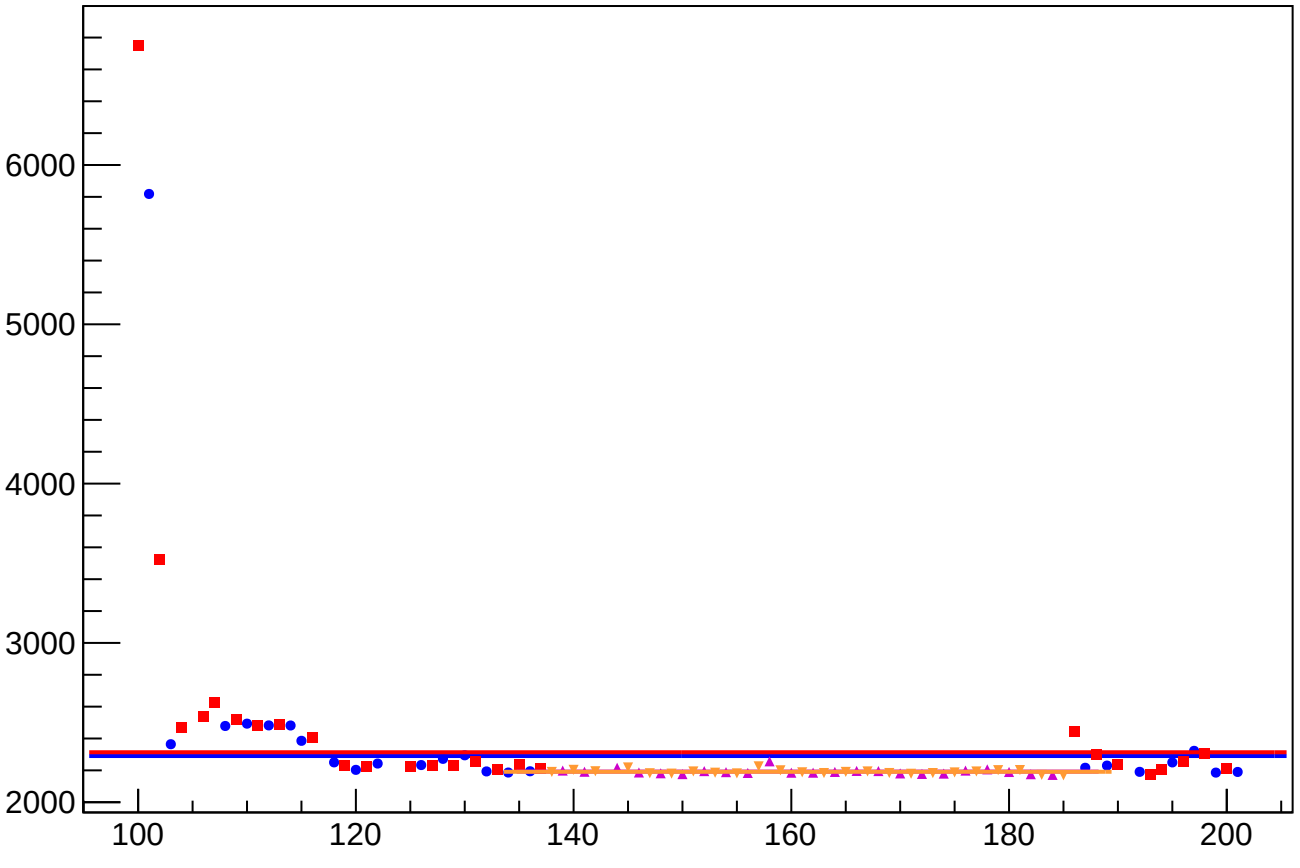
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4189.968+/-459.530 χ^2/NDF: 38.5/48

In: 4279.562+/-404.160 χ^2/NDF:49.9/45

Out: 3831.713+/-398.515 χ^2/NDF:46.8/49

All: 4052.488+/-283.768 χ^2/NDF: 97.4/95



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: 2313.703+/-0.454 χ^2/NDF: 236592.0/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

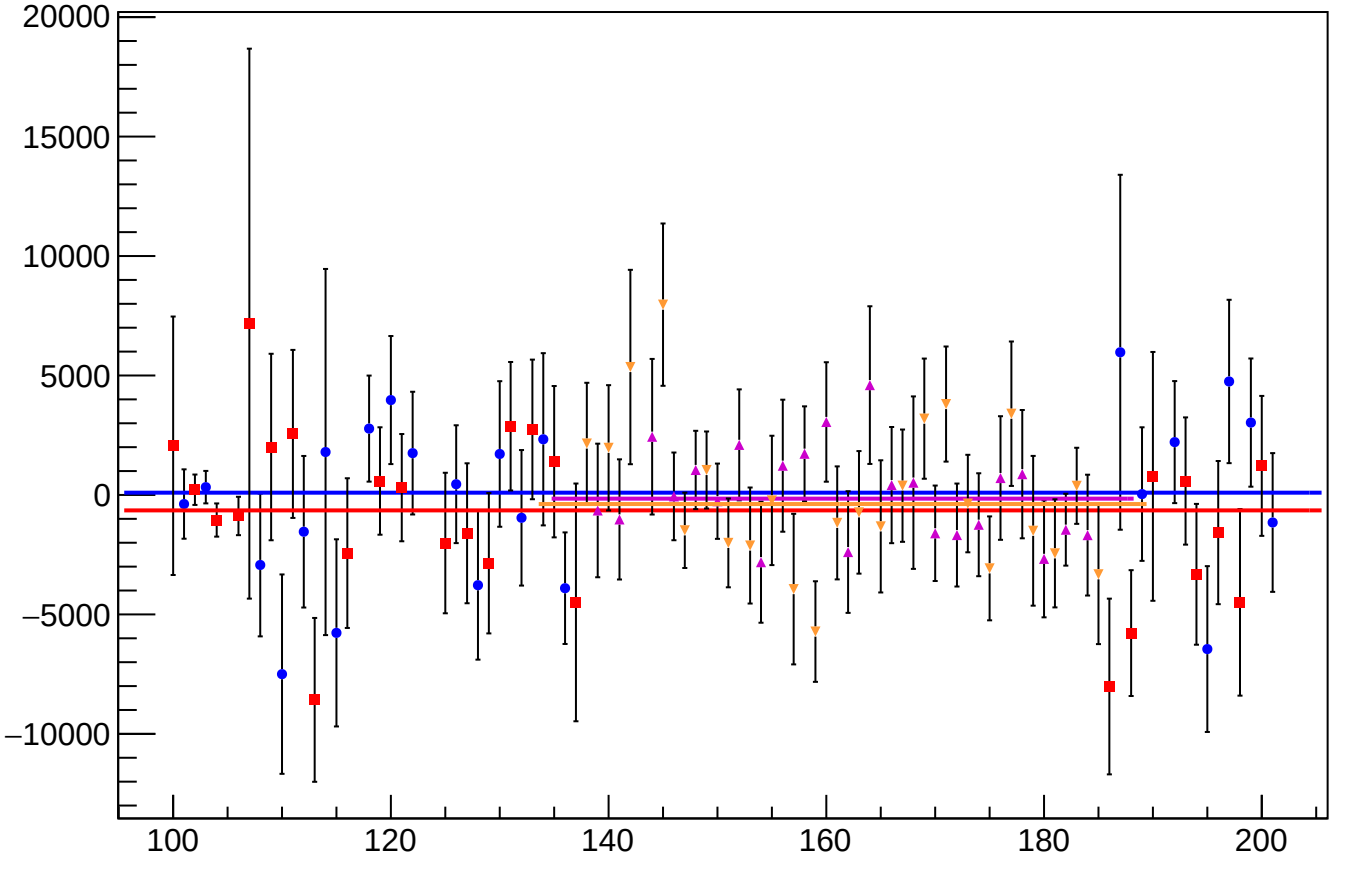
Right: 2302.138+/-0.325 χ^2/NDF: 761403.6/48

In: 2229.007+/-0.286 χ^2/NDF:553220.8/45

Out: 2238.450+/-0.282 χ^2/NDF:282649.6/49

All: 2233.795+/-0.201 χ^2/NDF: 836423.8/95

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: -646.284+/-344.795 χ^2/NDF: 25.8/25

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

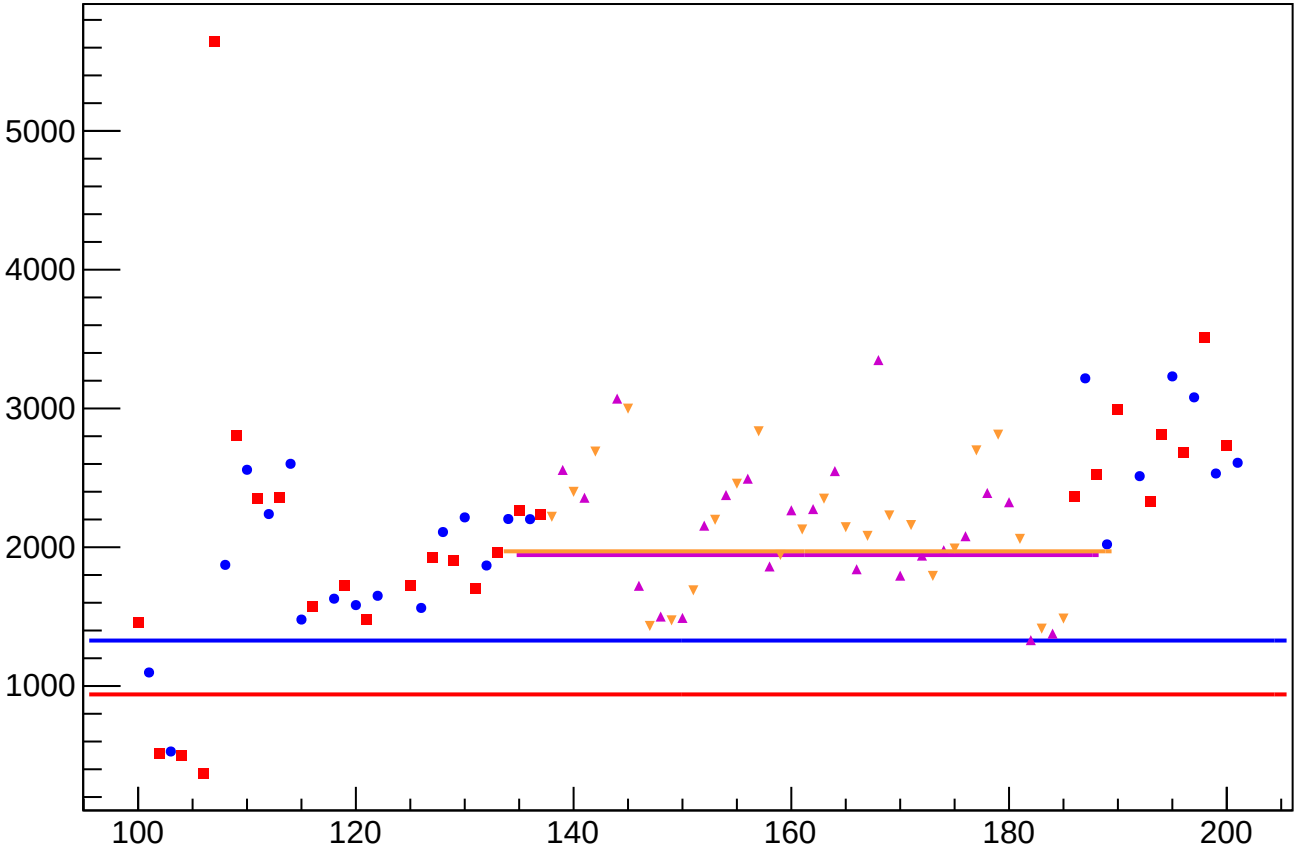
Right: -370.828+/-273.356 χ^2/NDF: 52.0/48

In: -24.308+/-323.817 χ^2/NDF:37.5/45

Out: -553.669+/-278.314 χ^2/NDF:56.8/49

All: -328.766+/-211.068 χ^2/NDF: 95.8/95

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: 939.463+/-0.244 χ^2/NDF: 11088314.3/25

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

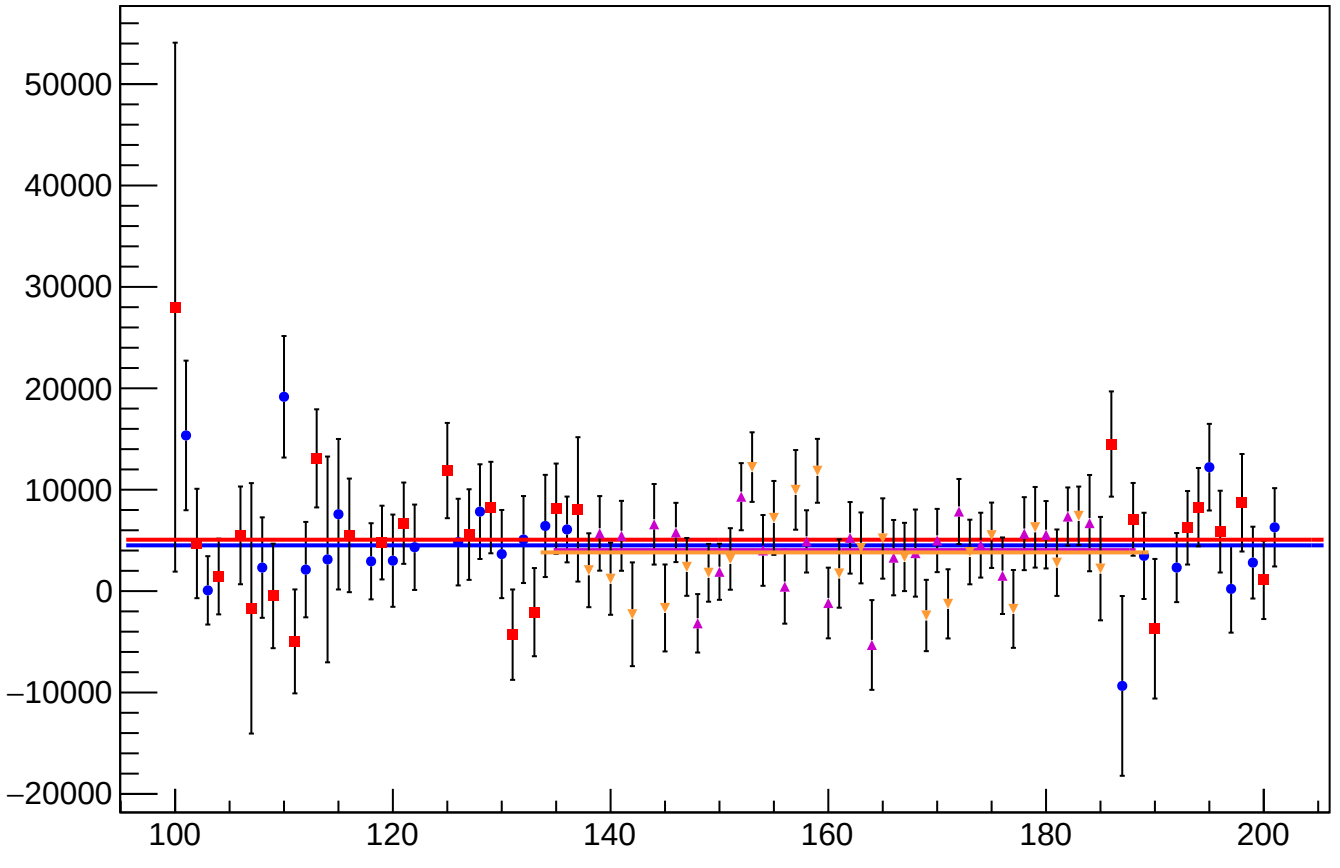
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1083.646+/-0.193 χ^2/NDF: 18787127.5/48

In: 1622.537+/-0.229 χ^2/NDF:10446376.3/45

Out: 1298.783+/-0.197 χ^2/NDF:19018460.2/49

All: 1436.332+/-0.149 χ^2/NDF: 30614670.7/9



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: 5069.253+/-907.424 χ^2/NDF: 28.0/25

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

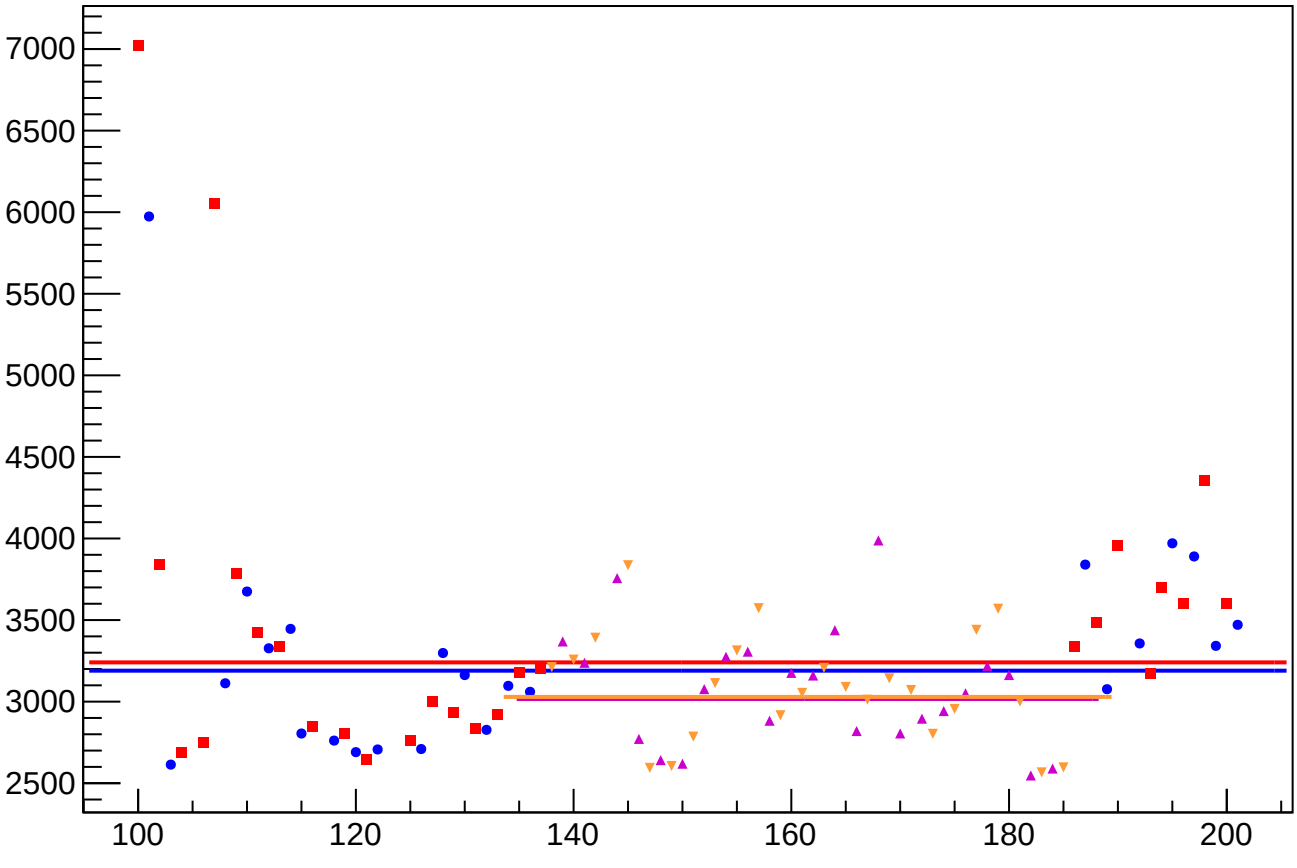
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4795.174+/-646.860 χ^2/NDF: 47.6/48

In: 4217.009+/-562.404 χ^2/NDF:42.0/45

Out: 4291.636+/-558.350 χ^2/NDF:60.1/49

All: 4254.592+/-396.239 χ^2/NDF: 102.1/95



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: 3240.608+/-0.642 χ^2/NDF: 609364.3/25

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

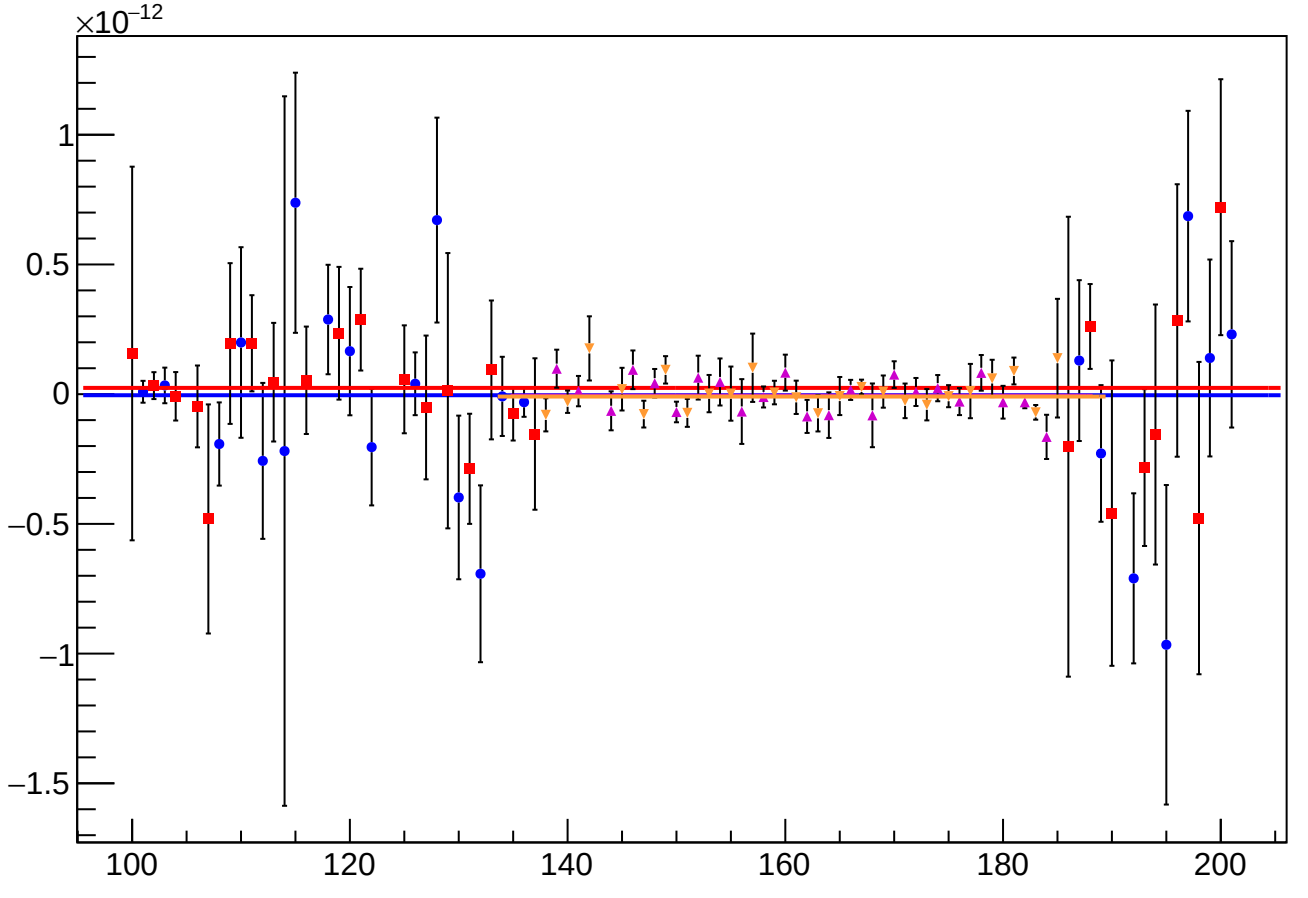
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3215.607+/-0.457 χ^2/NDF: 1249413.1/48

In: 3080.767+/-0.398 χ^2/NDF:1121328.7/45

Out: 3109.107+/-0.395 χ^2/NDF:1074069.7/49

All: 3095.039+/-0.280 χ^2/NDF: 2197956.1/95



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: 15.9/25

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

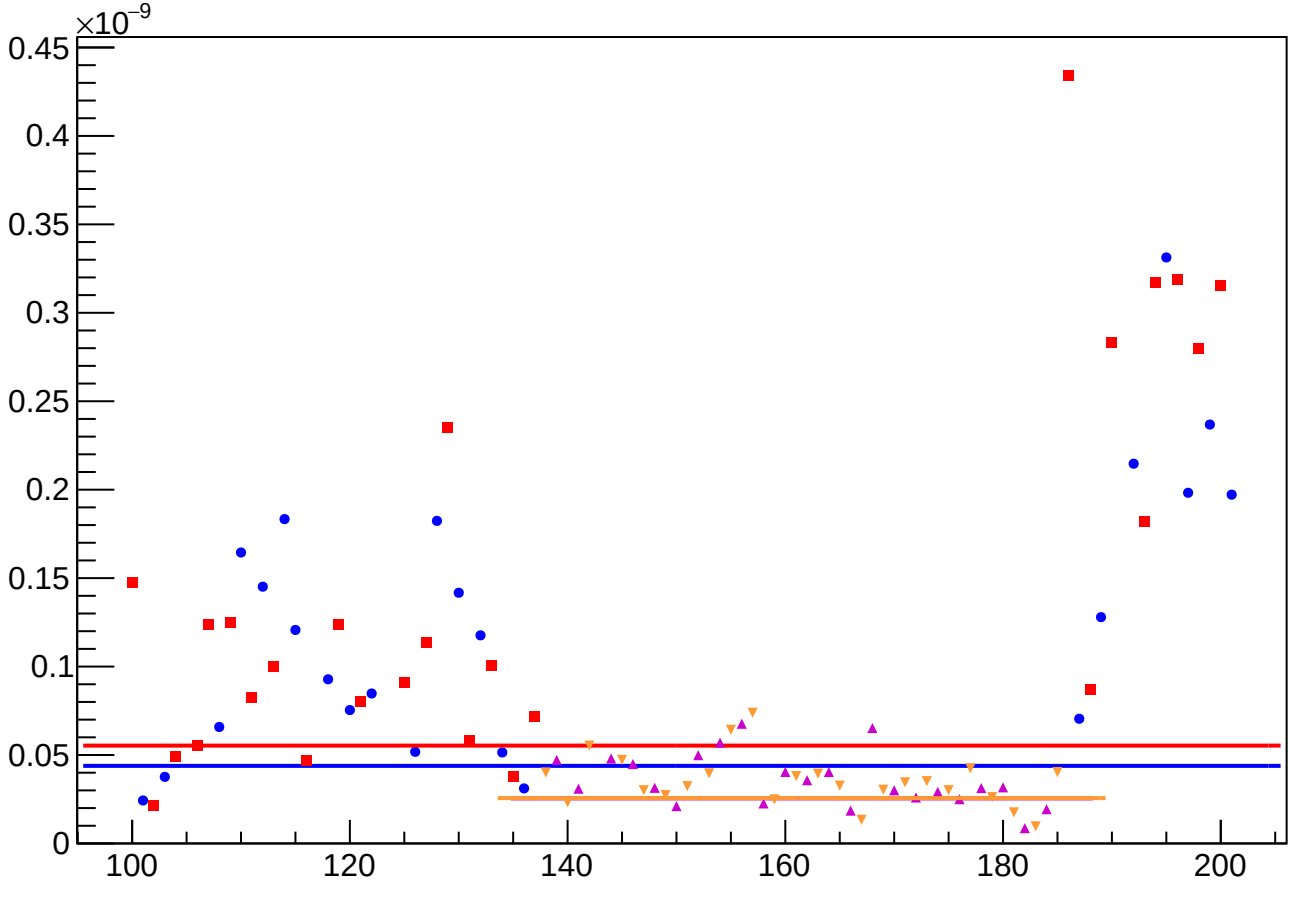
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 44.9/48

In: -0.000+/-0.000 χ^2/NDF:51.8/45

Out: -0.000+/-0.000 χ^2/NDF:41.0/49

All: -0.000+/-0.000 χ^2/NDF: 92.9/95



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: 4805437.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

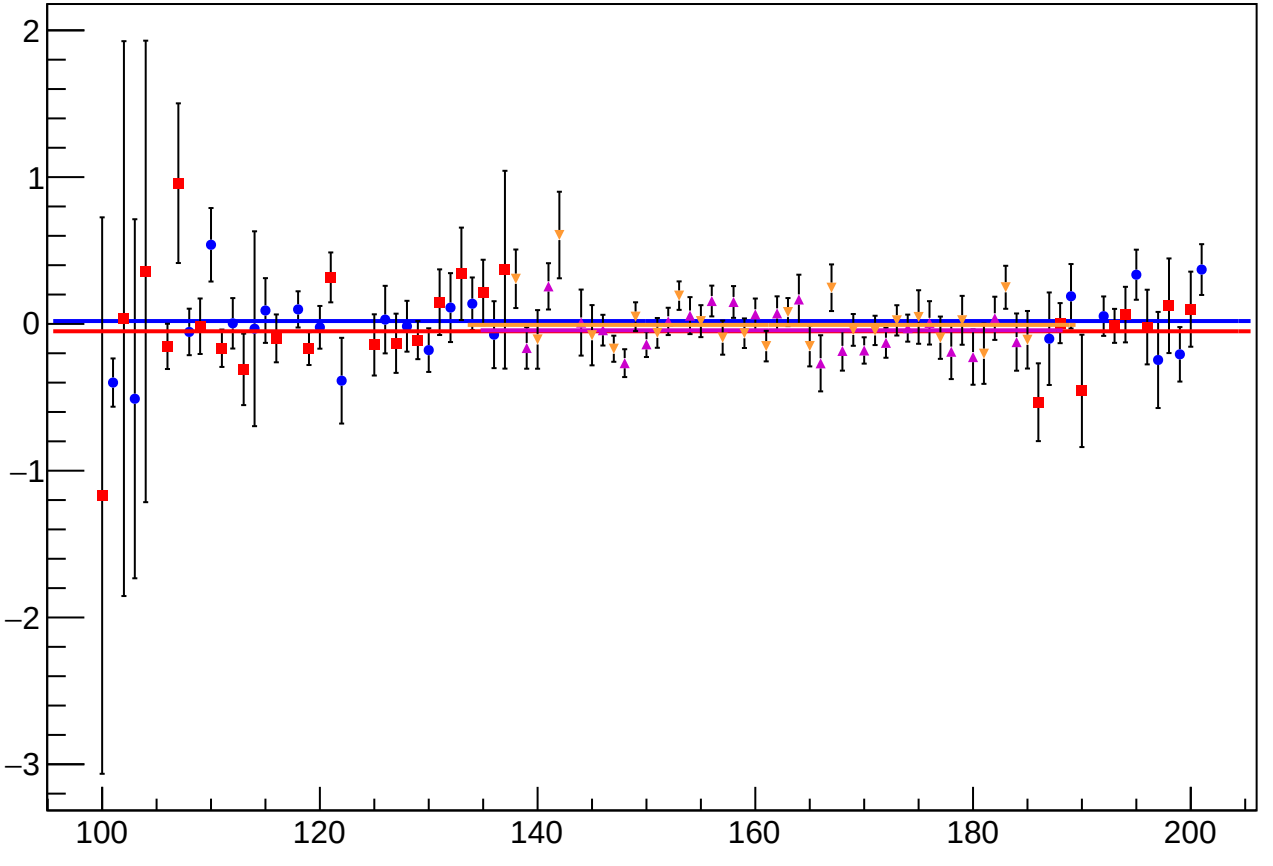
Right: 0.000+/-0.000 χ^2/NDF: 9169029.9/48

In: 0.000+/-0.000 χ^2/NDF:7835891.3/45

Out: 0.000+/-0.000 χ^2/NDF:8681055.1/49

All: 0.000+/-0.000 χ^2/NDF: 16518630.9/95

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: -0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

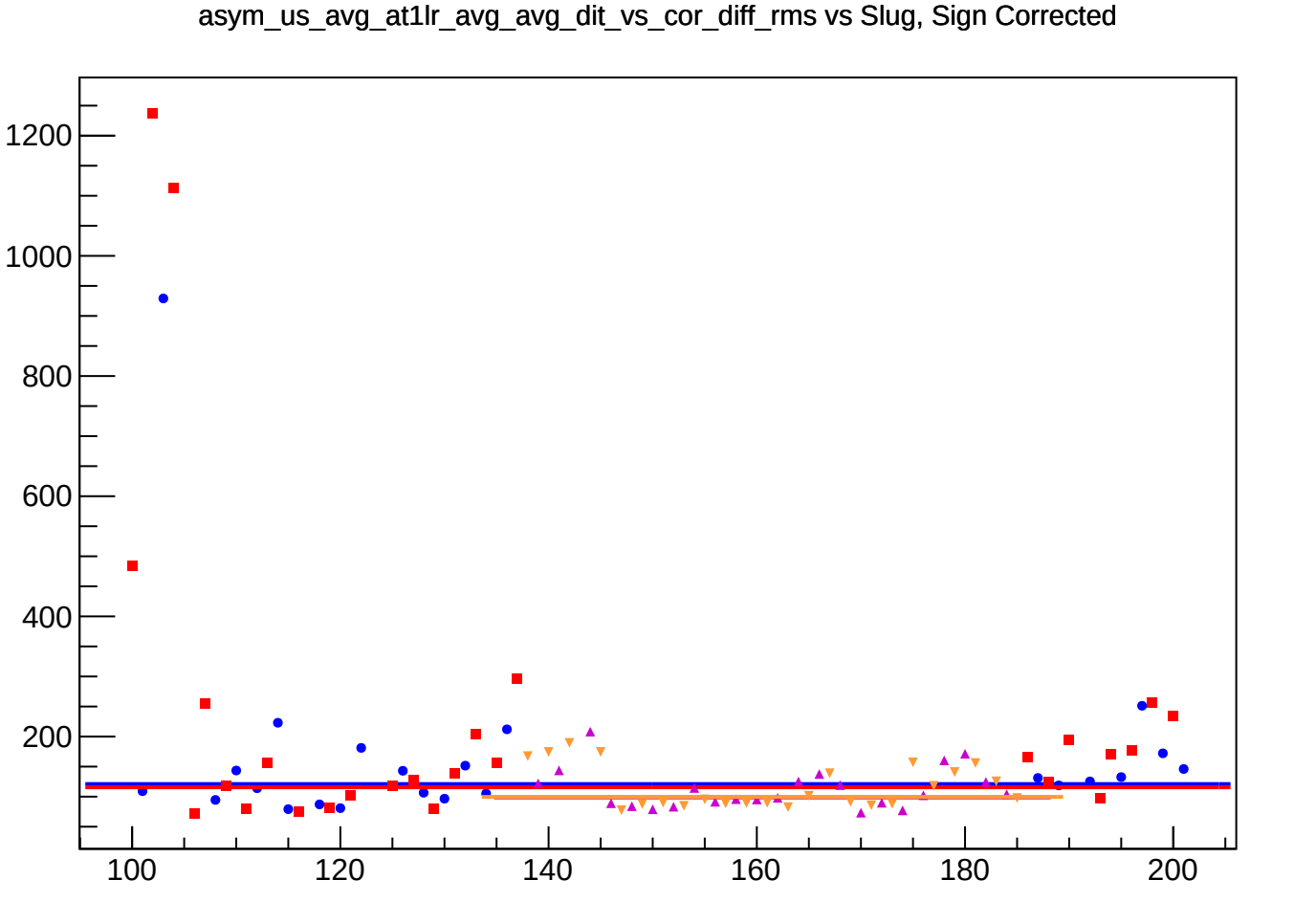
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.017+/-0.028 χ^2/NDF: 51.0/48

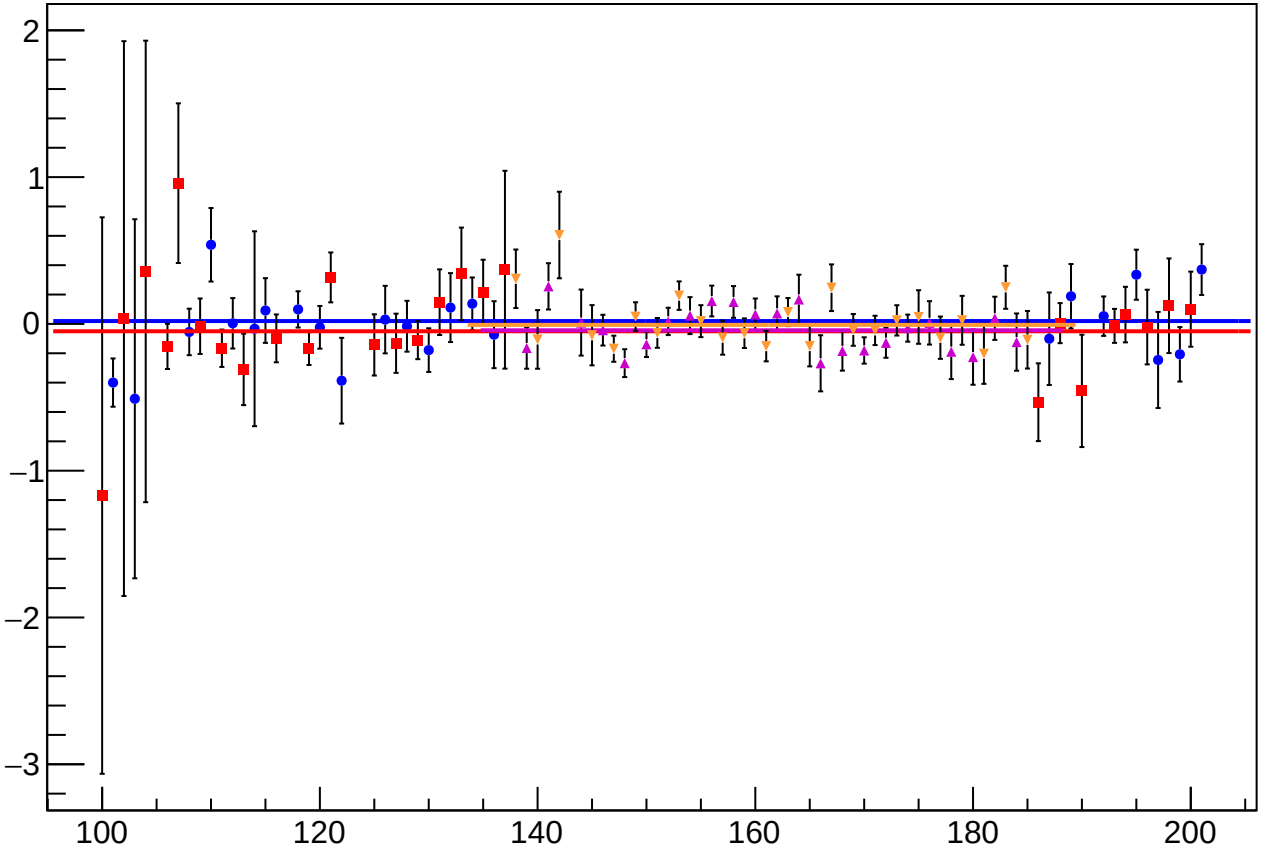
In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.023+/-0.015 χ^2/NDF: 110.1/95


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 120.995+/-0.028 χ²/NDF: 2443980.8/22
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 115.564+/-0.027 χ²/NDF: 4292747.3/25
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
Left: 99.125+/-0.013 χ²/NDF: 4075687.1/46
Right: 118.179+/-0.019 χ²/NDF: 6756097.0/48
In: 105.021+/-0.015 χ²/NDF:4898972.2/45
Out: 104.450+/-0.015 χ²/NDF:6605943.9/49
All: 104.735+/-0.011 χ²/NDF: 11505644.8/95

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: -0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

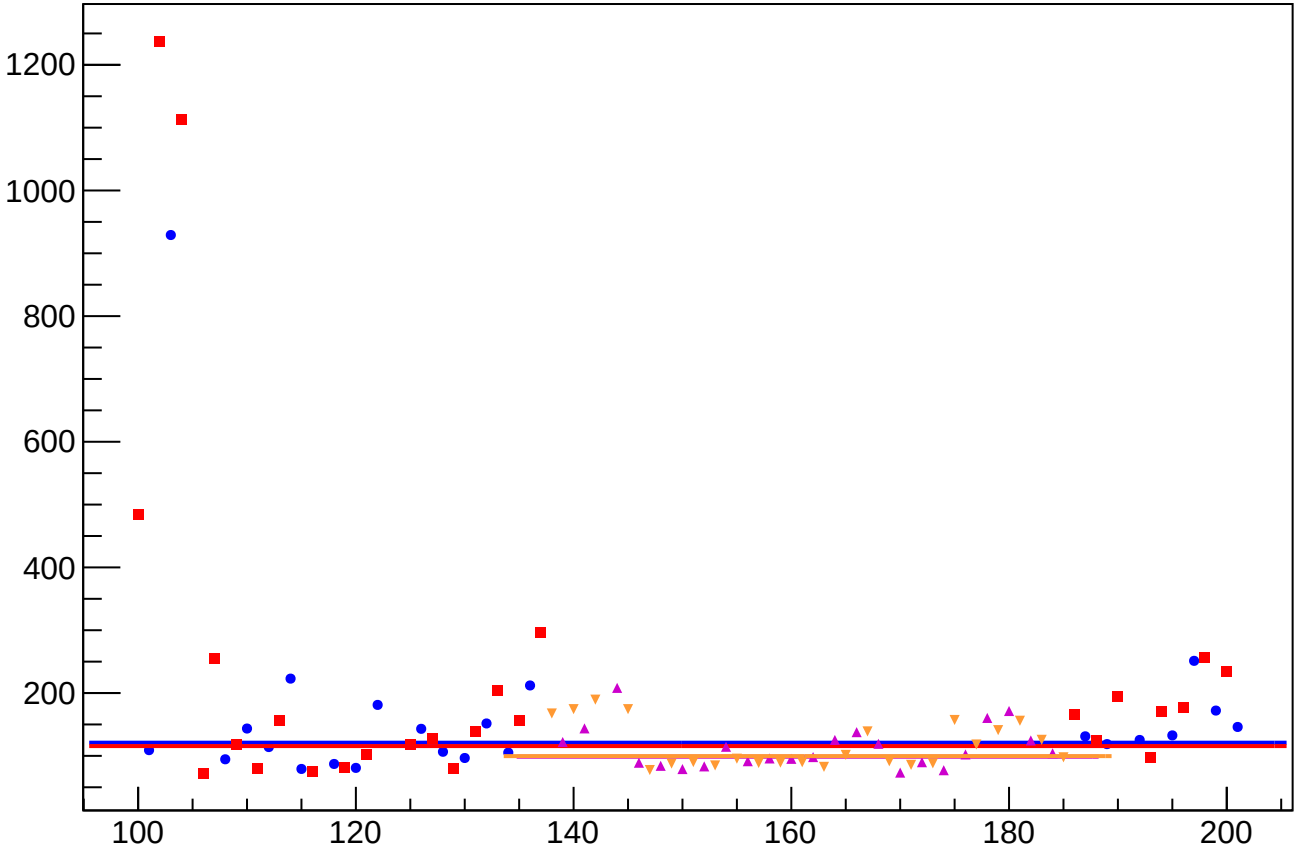
Right: -0.017+/-0.028 χ^2/NDF: 51.0/48

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.023+/-0.015 χ^2/NDF: 110.1/95

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: 115.564+/-0.027 χ^2/NDF: 4292747.3/25

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

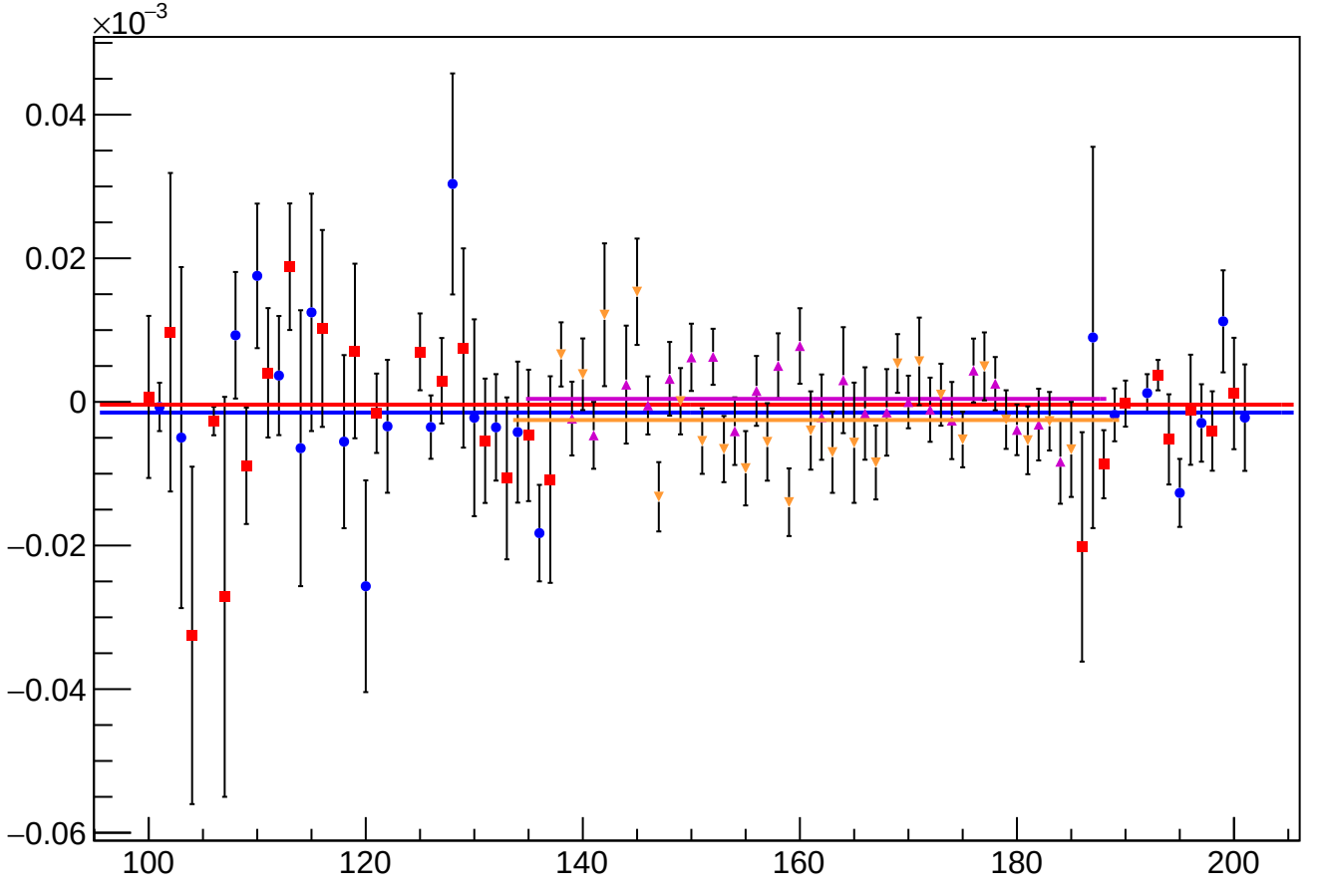
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 118.179+/-0.019 χ^2/NDF: 6756097.0/48

In: 105.021+/-0.015 χ^2/NDF:4898972.2/45

Out: 104.450+/-0.015 χ^2/NDF:6605943.9/49

All: 104.735+/-0.011 χ^2/NDF: 11505644.8/95



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: 25.3/25

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

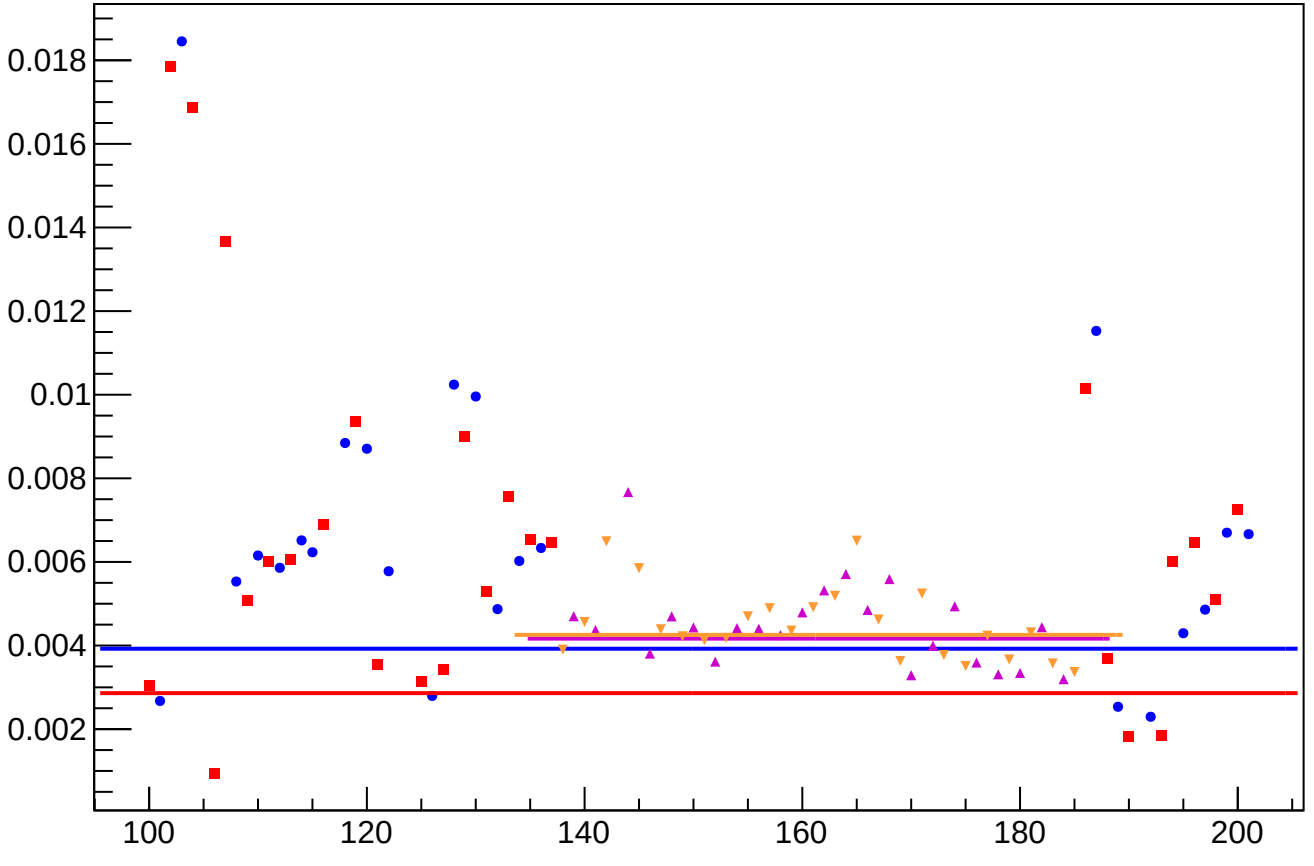
Right: -0.000+/-0.000 χ^2/NDF: 55.9/48

In: -0.000+/-0.000 χ^2/NDF:47.4/45

Out: -0.000+/-0.000 χ^2/NDF:67.7/49

All: -0.000+/-0.000 χ^2/NDF: 116.3/95

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5095847.2/22

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9654021.0/25

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

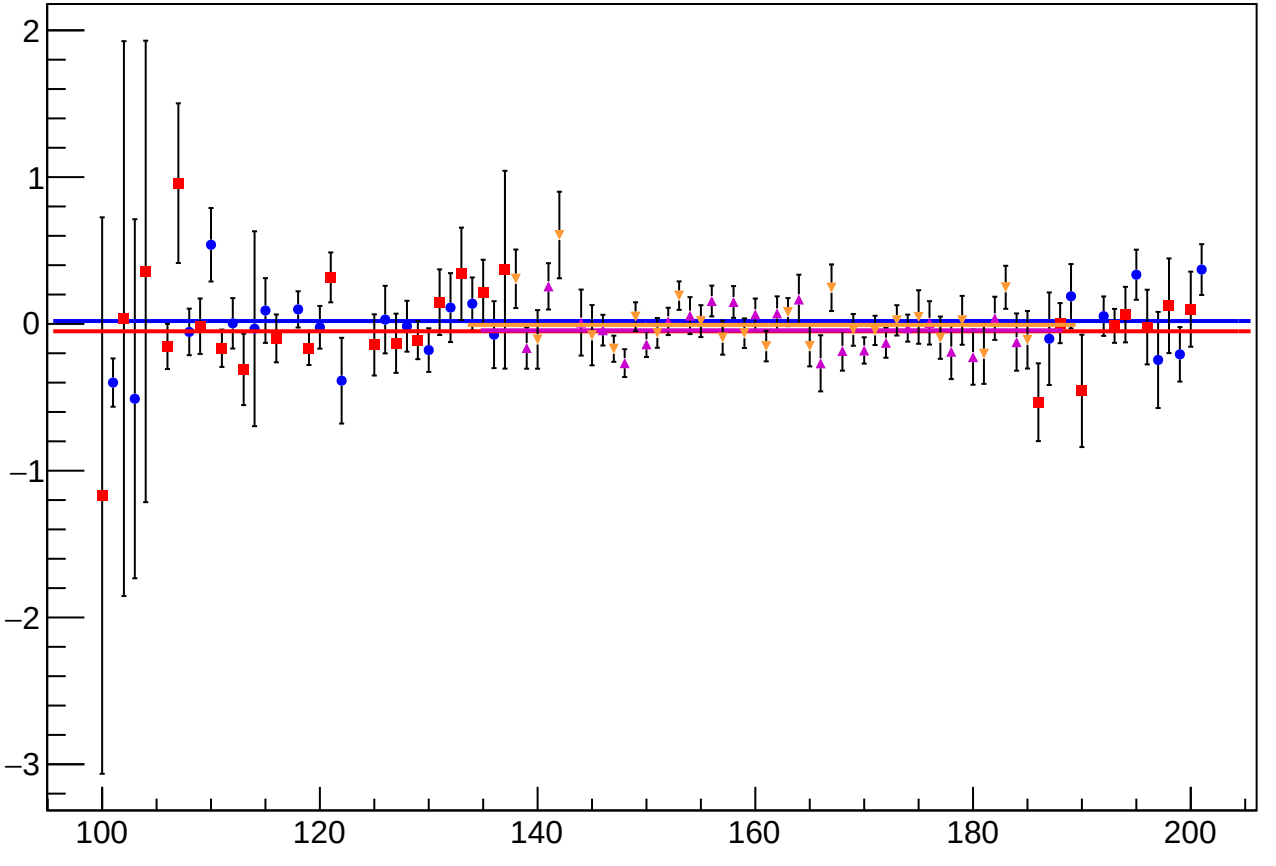
Right: 0.003+/-0.000 χ^2/NDF: 15573132.7/48

In: 0.004+/-0.000 χ^2/NDF:6417418.0/45

Out: 0.004+/-0.000 χ^2/NDF:12325515.3/49

All: 0.004+/-0.000 χ^2/NDF: 19171109.0/95

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: -0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

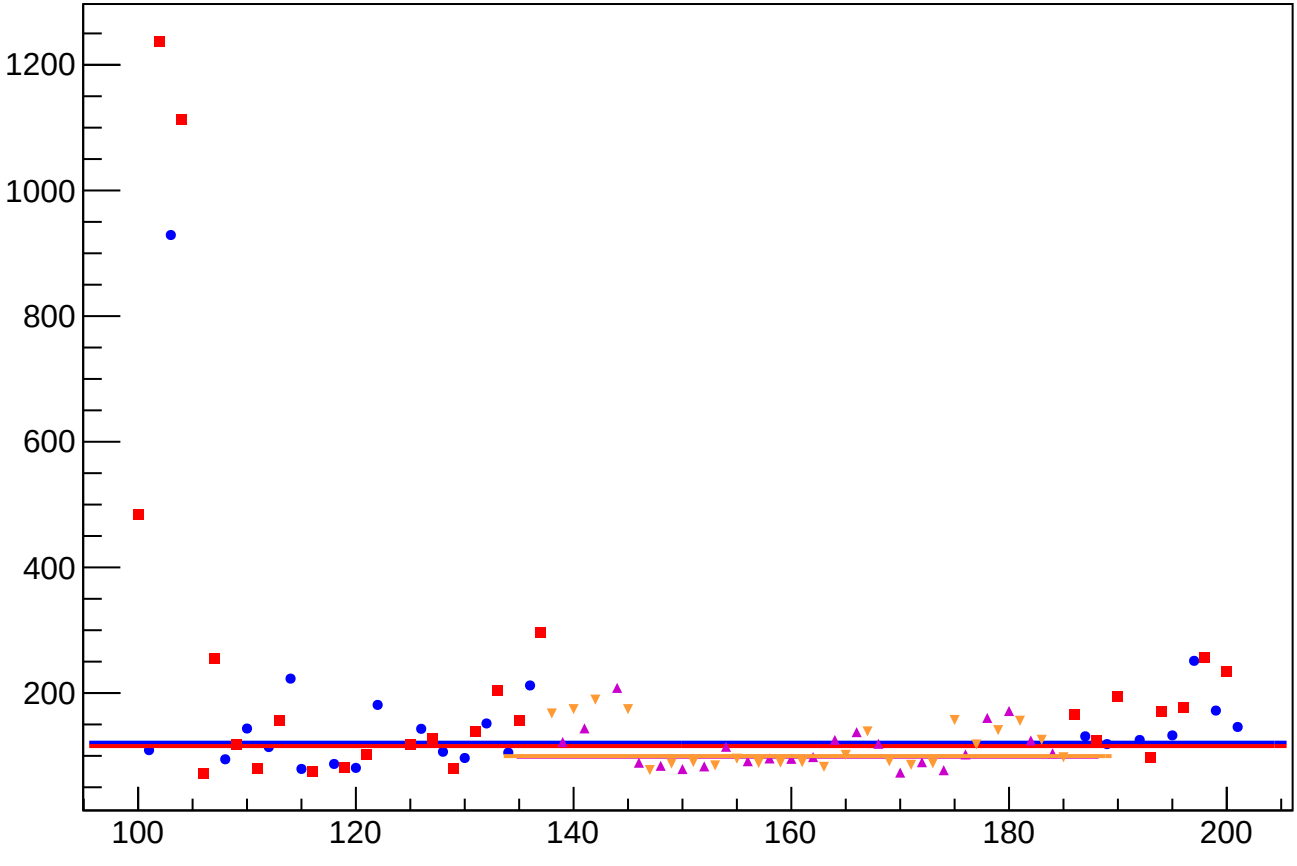
Right: -0.017+/-0.028 χ^2/NDF: 51.0/48

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.023+/-0.015 χ^2/NDF: 110.1/95

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: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

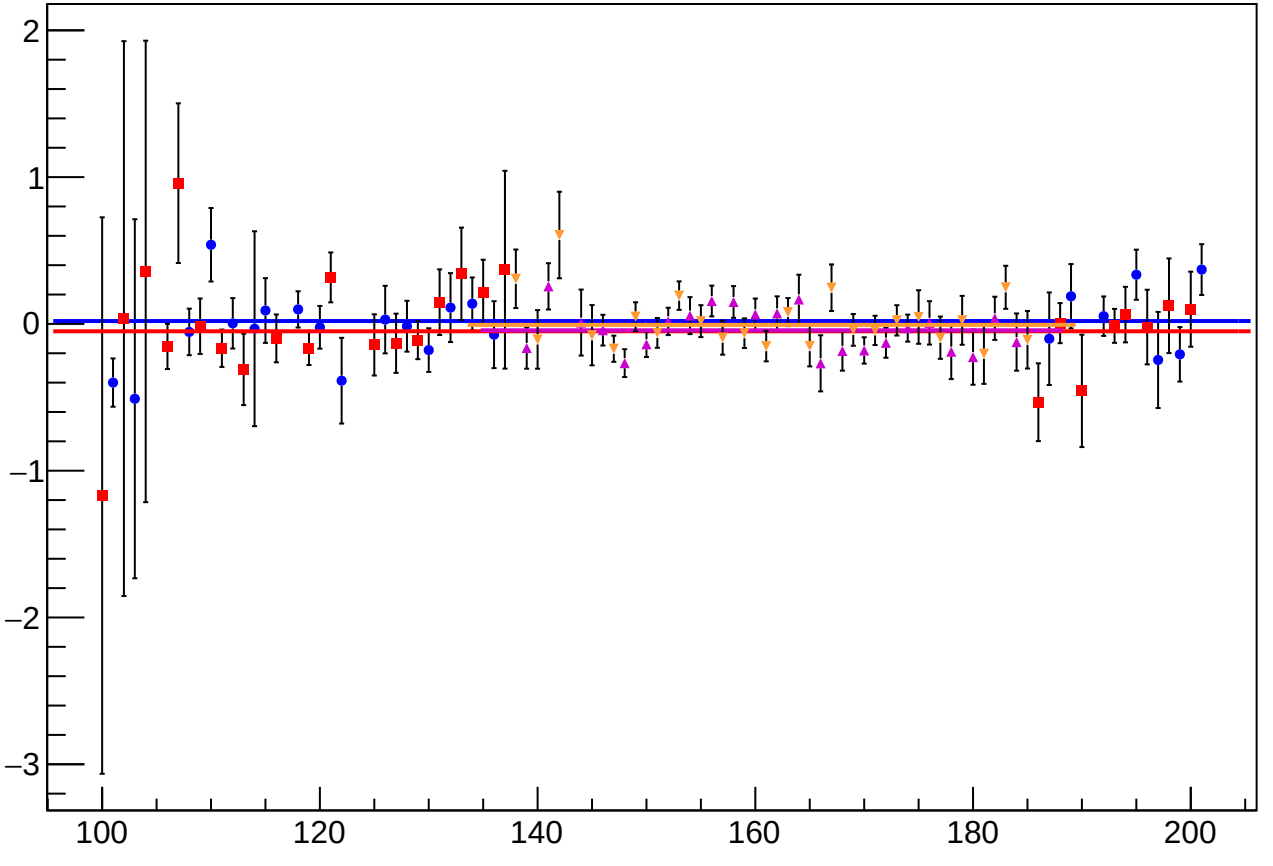
Right: 118.177+/-0.019 χ^2/NDF: 6756197.8/48

In: 105.021+/-0.015 χ^2/NDF:4898935.1/45

Out: 104.450+/-0.015 χ^2/NDF:6605870.8/49

All: 104.735+/-0.011 χ^2/NDF: 11505533.6/95

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: -0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

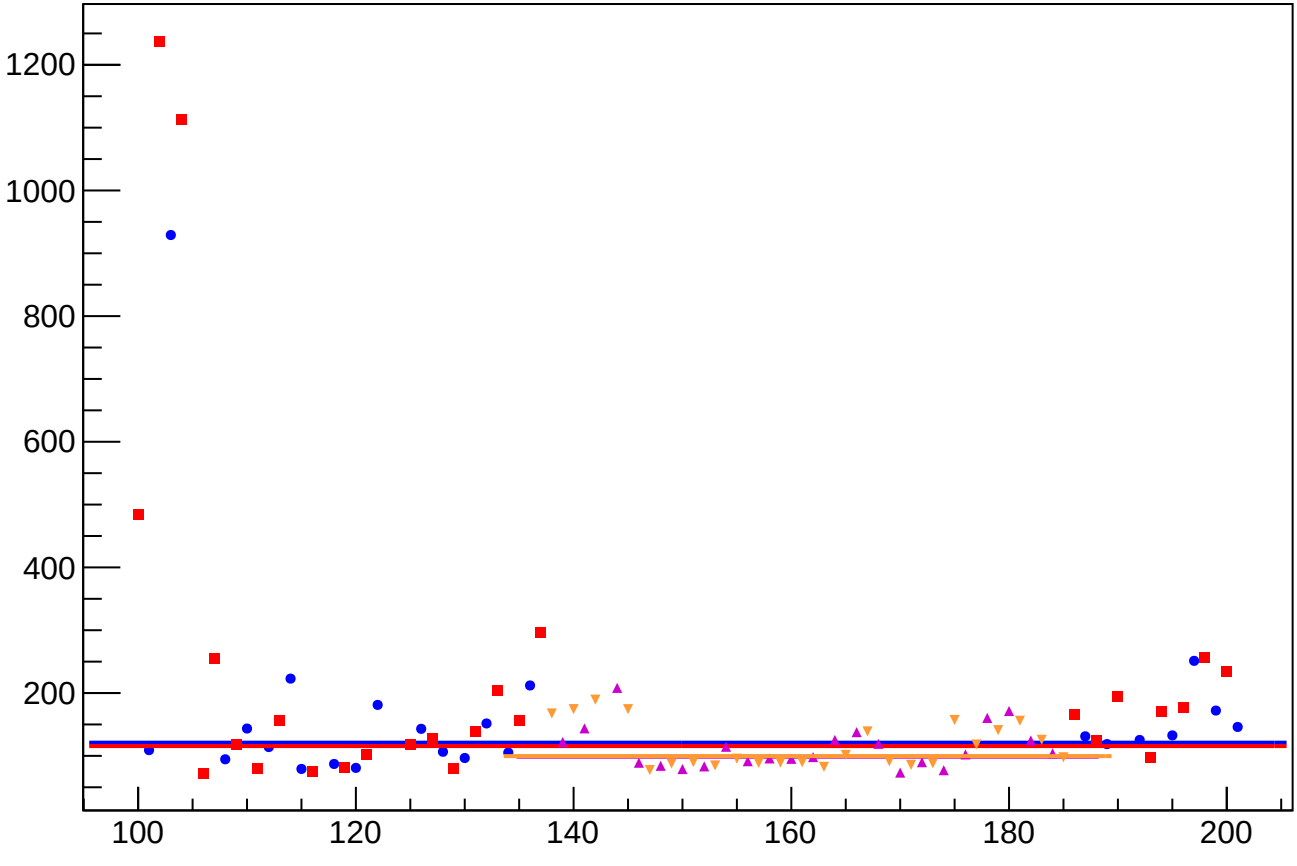
Right: -0.017+/-0.028 χ^2/NDF: 51.0/48

In: -0.026+/-0.021 χ^2/NDF:58.9/45

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.023+/-0.015 χ^2/NDF: 110.1/95

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: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

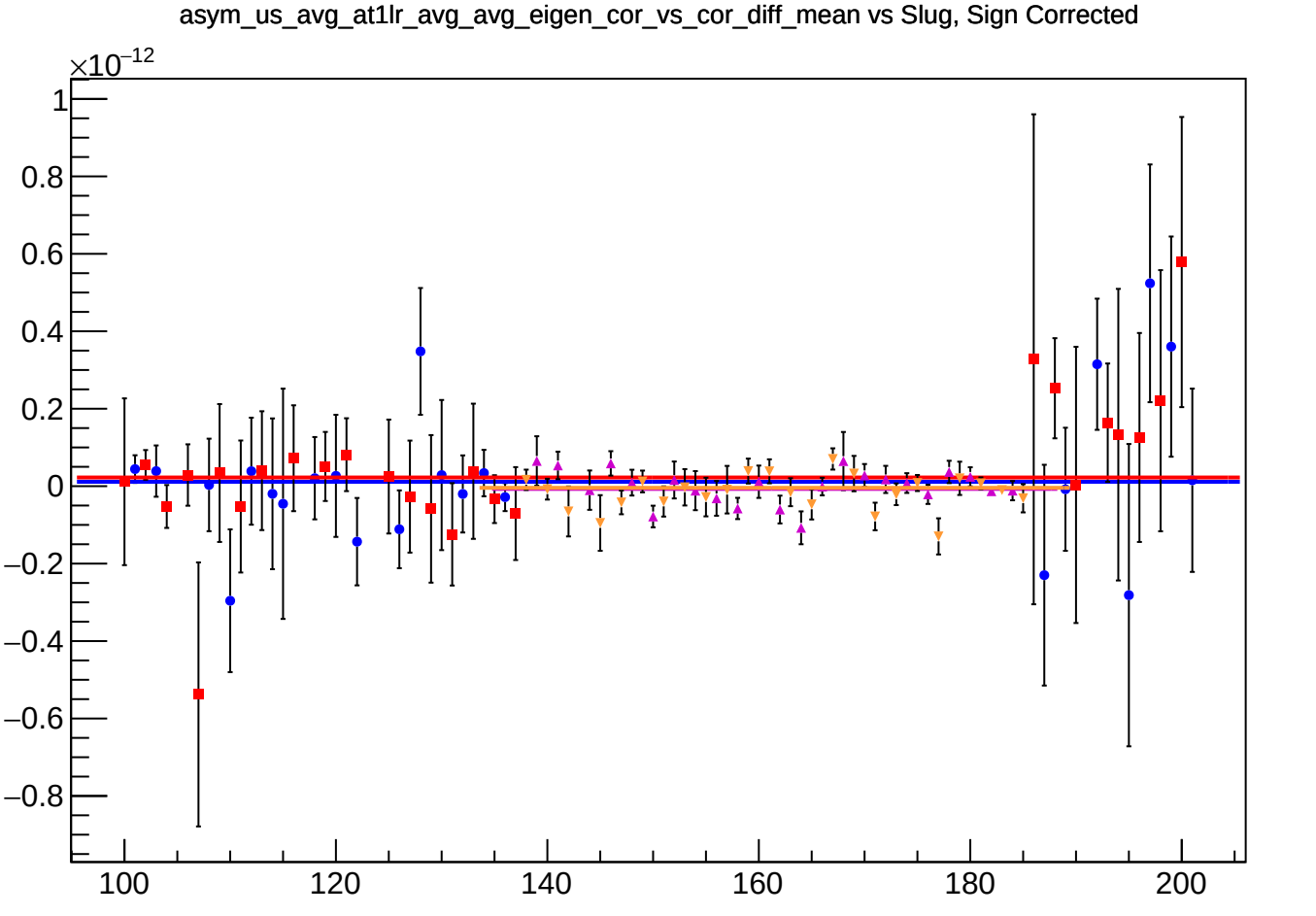
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

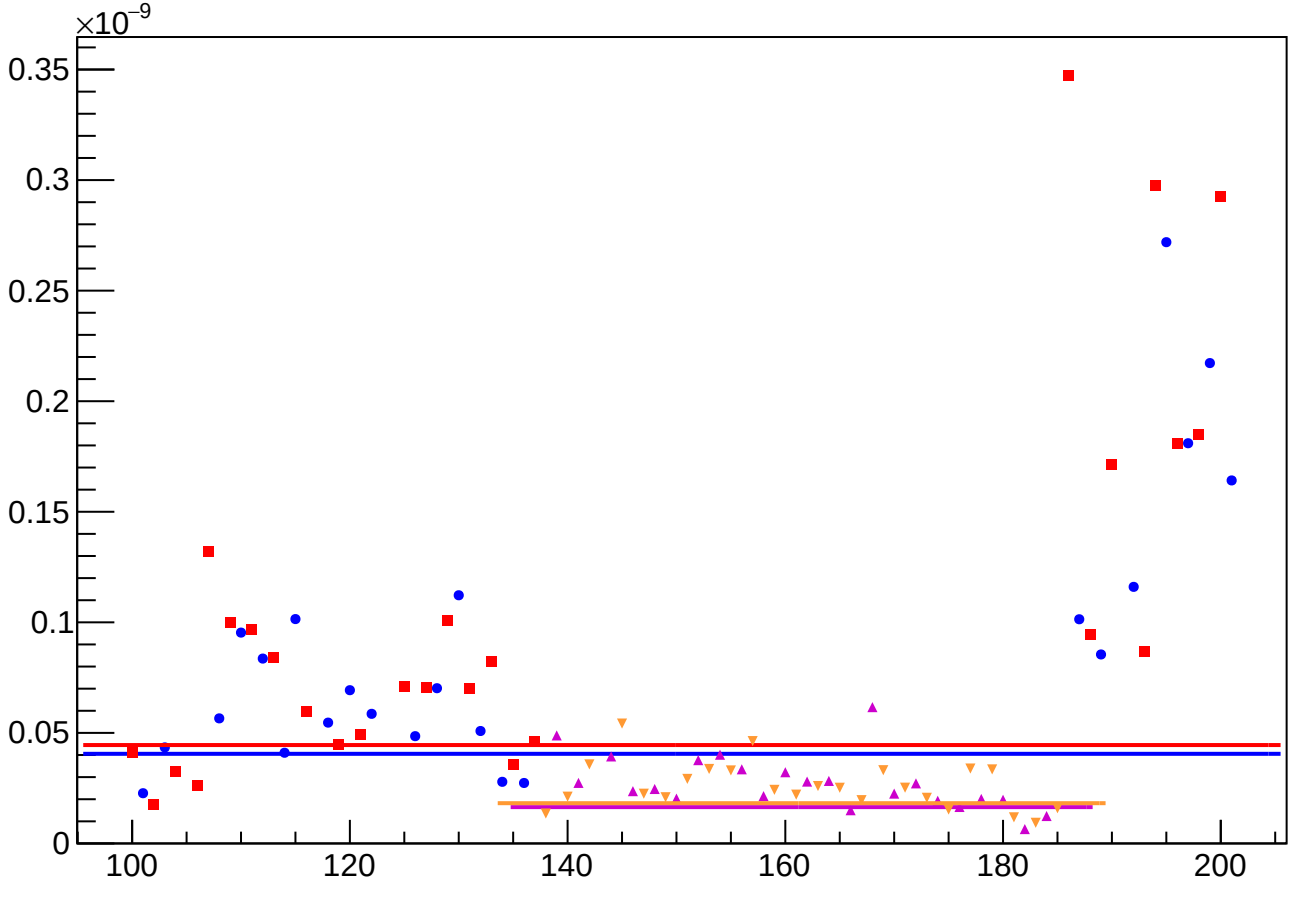
Right: 118.177+/-0.019 χ^2/NDF: 6756197.8/48

In: 105.021+/-0.015 χ^2/NDF:4898935.1/45

Out: 104.450+/-0.015 χ^2/NDF:6605870.8/49

All: 104.735+/-0.011 χ^2/NDF: 11505533.6/95


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.8/22
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.1/25
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 38.0/48
In: -0.000+/-0.000 χ²/NDF:57.9/45
Out: -0.000+/-0.000 χ²/NDF:50.6/49
All: -0.000+/-0.000 χ²/NDF: 108.6/95



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: 6161499.0/25

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

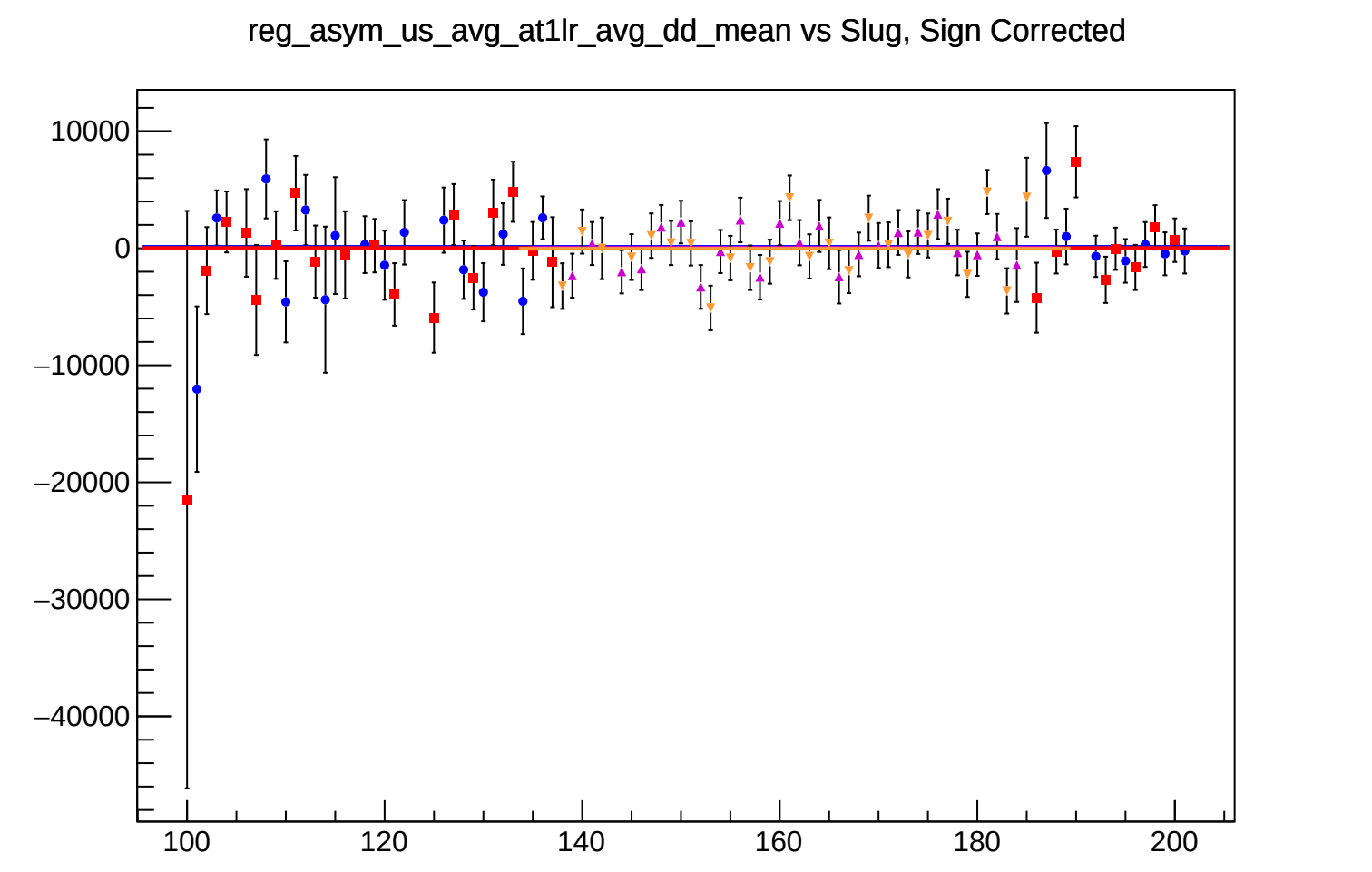
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 11164868.6/48

In: 0.000+/-0.000 χ^2/NDF:15029575.2/45

Out: 0.000+/-0.000 χ^2/NDF:13410070.5/49

All: 0.000+/-0.000 χ^2/NDF: 28549897.0/95



Right In: 123.417+/-521.917 χ^2/NDF: 23.0/22

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 29.807+/-508.149 χ^2/NDF: 29.7/25

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

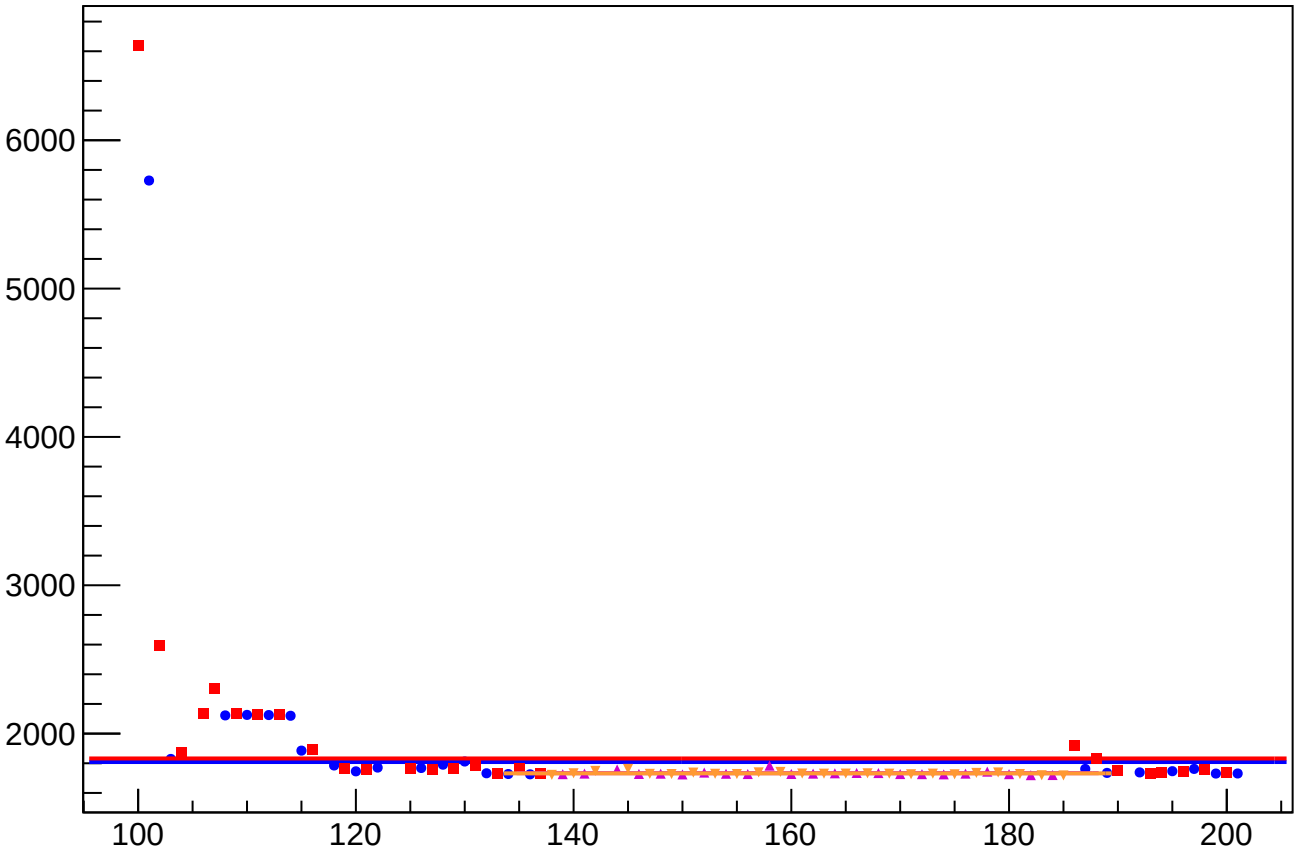
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 75.361+/-364.086 χ^2/NDF: 52.6/48

In: 79.314+/-319.819 χ^2/NDF:42.4/45

Out: -9.932+/-315.258 χ^2/NDF:65.0/49

All: 34.050+/-224.516 χ^2/NDF: 107.5/95



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: 1832.408+/-0.359 χ^2/NDF: 292585.4/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

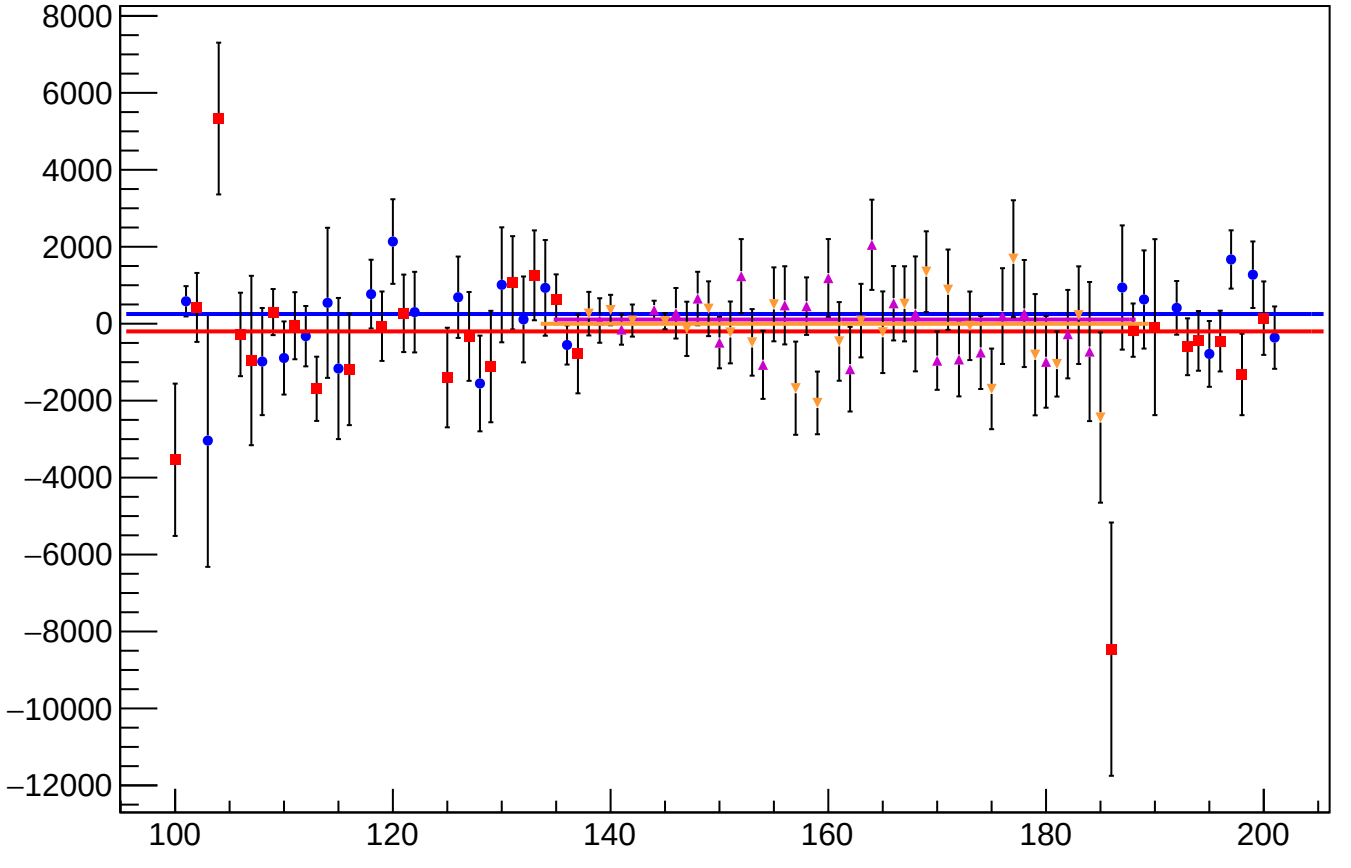
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1820.735+/-0.257 χ^2/NDF: 995770.3/48

In: 1761.517+/-0.226 χ^2/NDF:729110.9/45

Out: 1770.638+/-0.223 χ^2/NDF:341568.7/49

All: 1766.143+/-0.159 χ^2/NDF: 1071504.7/95



Right In: 251.759+/-183.600 χ^2/NDF: 21.0/22

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -199.889+/-192.200 χ^2/NDF: 29.9/25

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

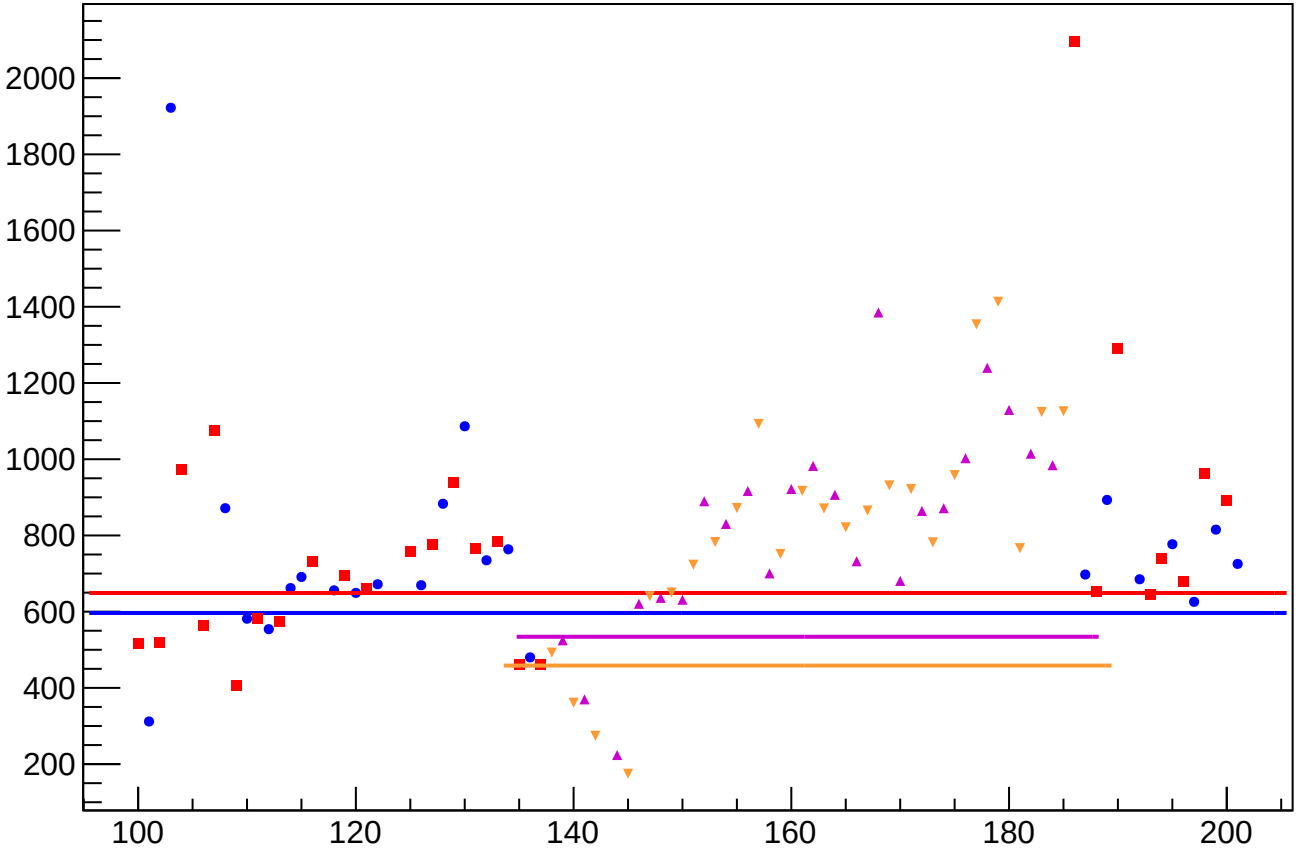
Right: 36.265+/-132.761 χ^2/NDF: 53.8/48

In: 162.669+/-112.972 χ^2/NDF:38.4/45

Out: -64.427+/-107.711 χ^2/NDF:50.9/49

All: 43.710+/-77.957 χ^2/NDF: 91.4/95

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: 649.073+/-0.136 χ^2/NDF: 1836457.6/25

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

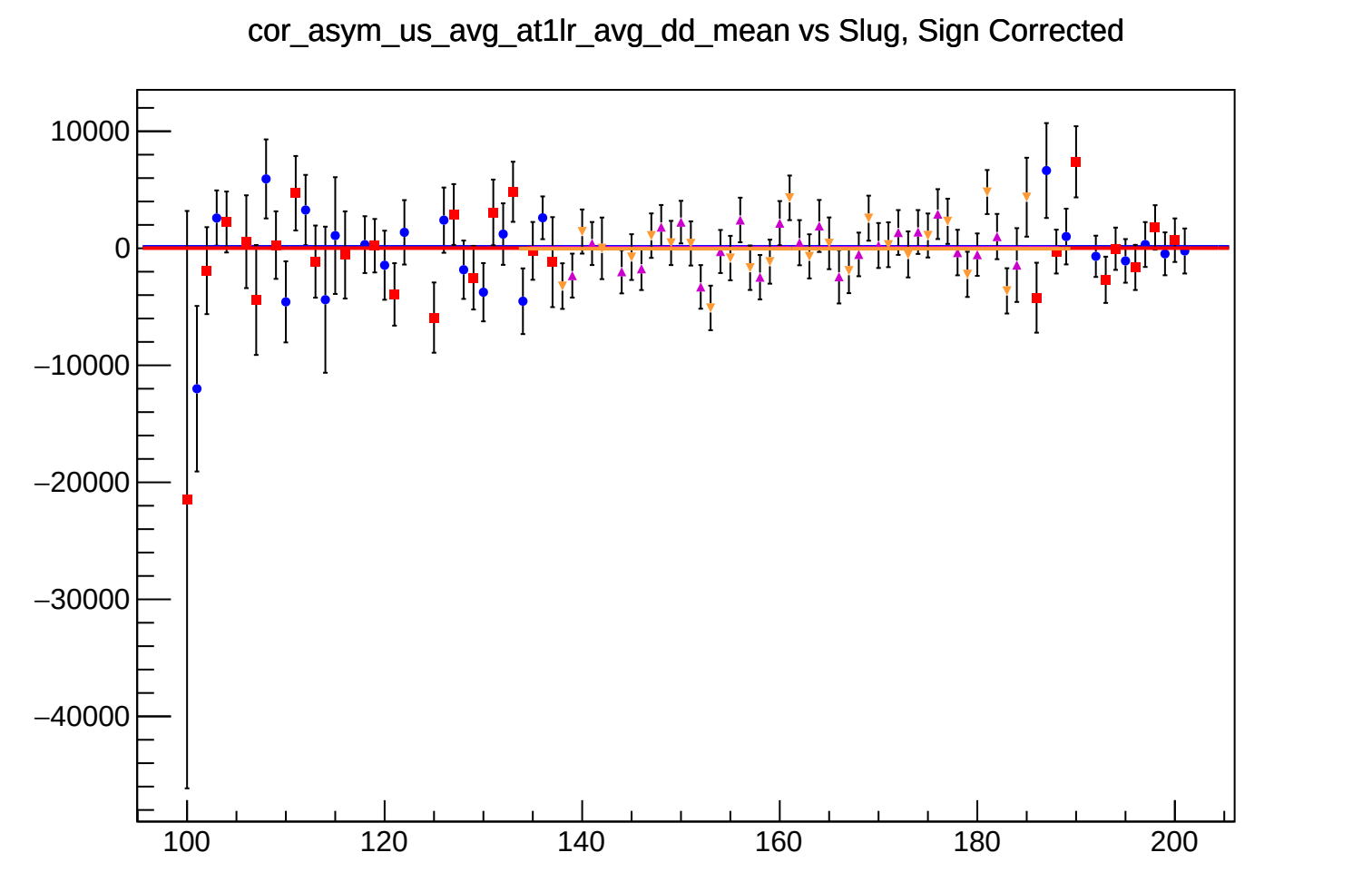
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 621.639+/-0.094 χ^2/NDF: 4324264.6/48

In: 557.803+/-0.080 χ^2/NDF:10996922.6/45

Out: 518.405+/-0.076 χ^2/NDF:14610828.0/49

All: 537.165+/-0.055 χ^2/NDF: 25735161.9/95



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: 14.672+/-508.660 χ^2/NDF: 29.6/25

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

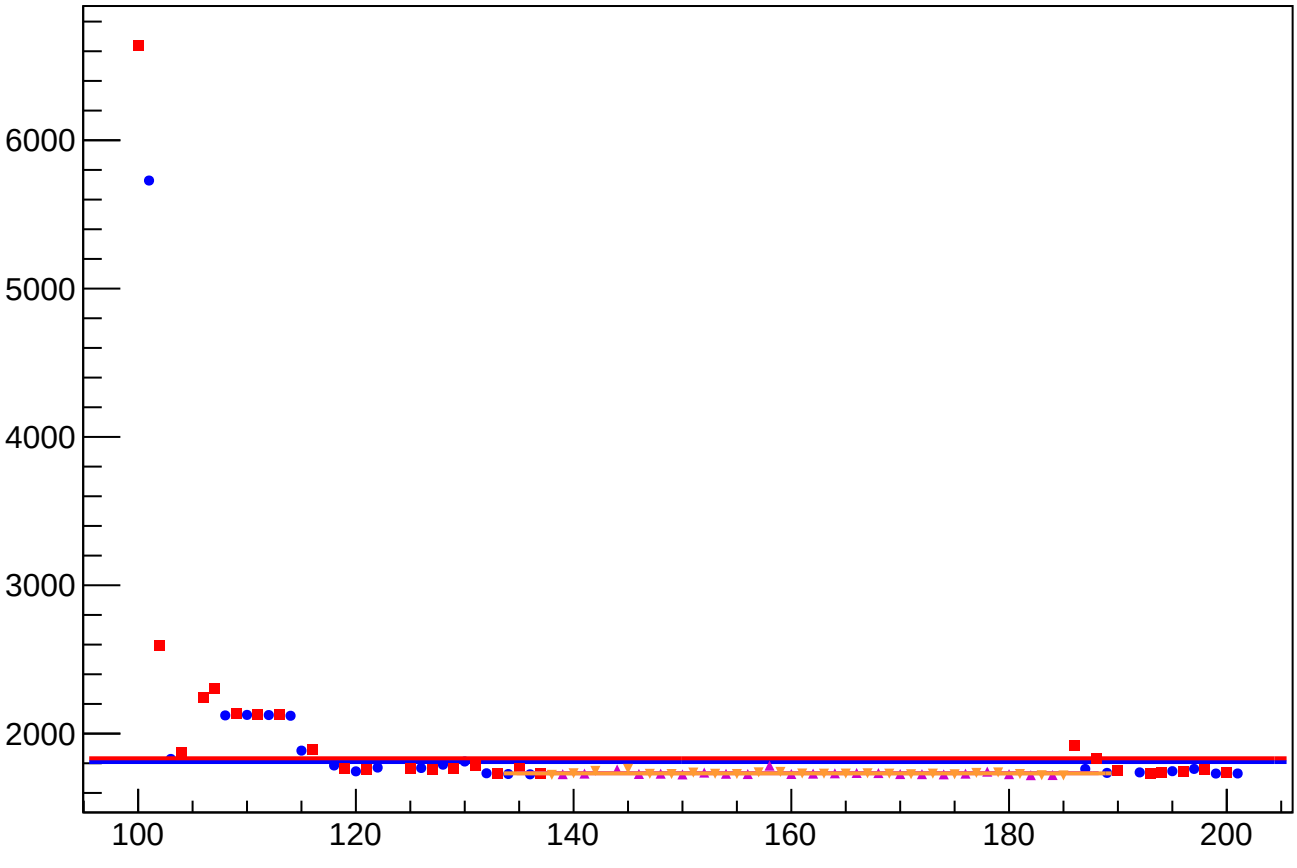
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 67.648+/-364.274 χ^2/NDF: 52.5/48

In: 79.265+/-319.819 χ^2/NDF:42.4/45

Out: -15.746+/-315.380 χ^2/NDF:64.9/49

All: 31.095+/-224.560 χ^2/NDF: 107.3/95



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: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

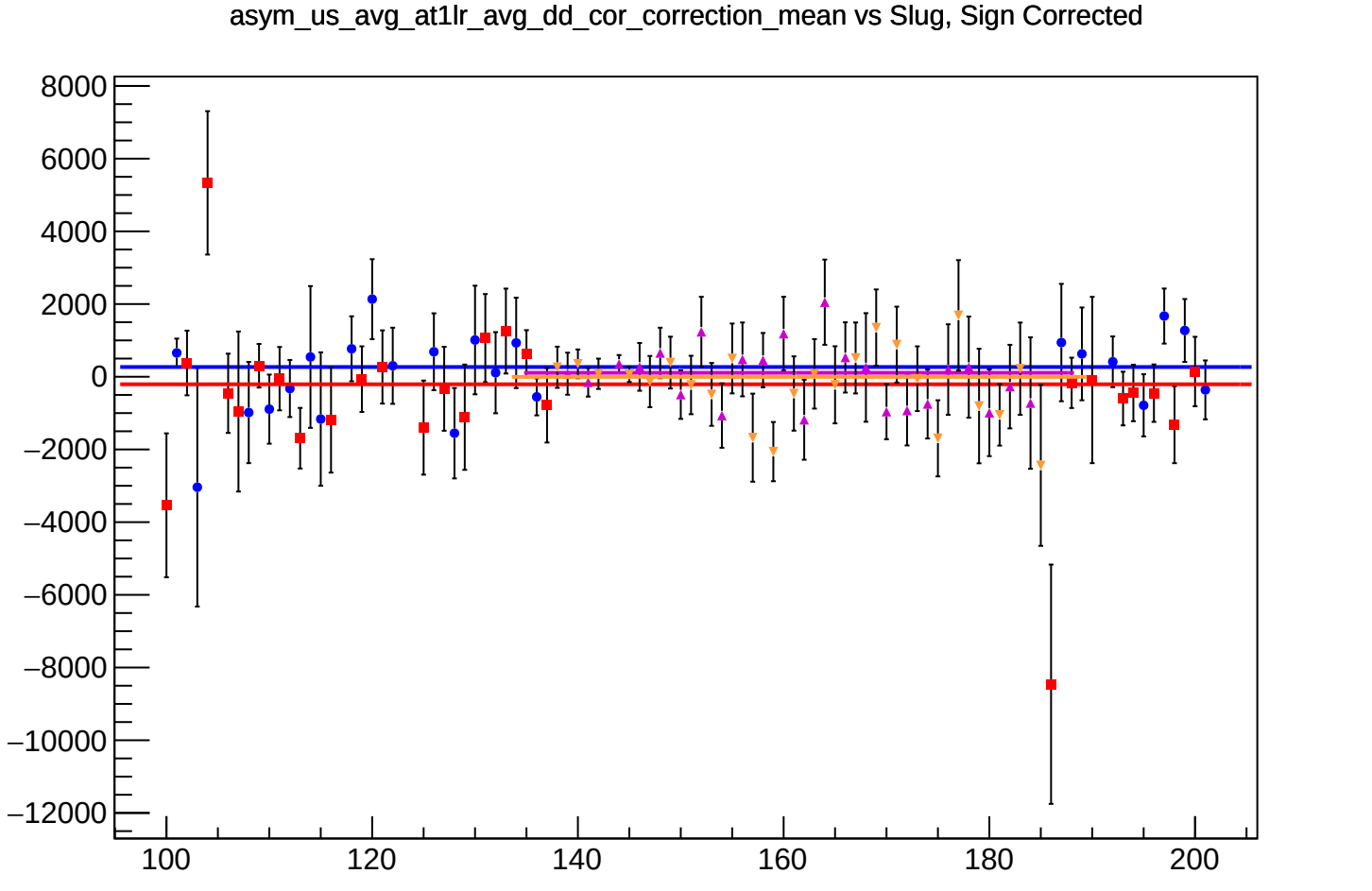
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1821.296+/-0.258 χ^2/NDF: 1004065.0/48

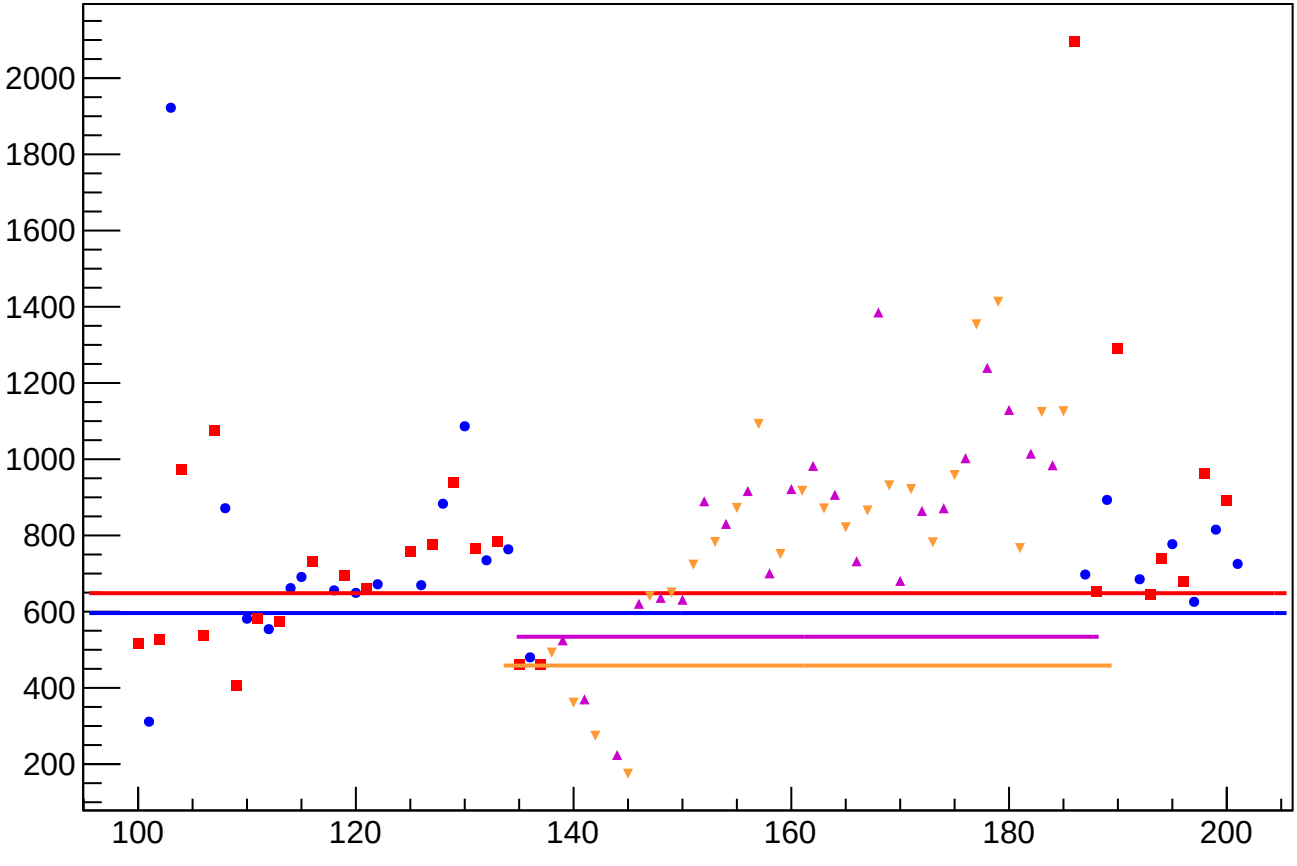
In: 1761.517+/-0.226 χ^2/NDF:729110.7/45

Out: 1771.020+/-0.223 χ^2/NDF:350674.1/49

All: 1766.335+/-0.159 χ^2/NDF: 1080680.2/95


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: -206.978+/-192.171 χ²/NDF: 29.9/25
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 41.355+/-132.735 χ²/NDF: 54.4/48
In: 168.790+/-112.962 χ²/NDF:38.8/45
Out: -66.753+/-107.707 χ²/NDF:50.9/49
All: 45.412+/-77.952 χ²/NDF: 92.0/95

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: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

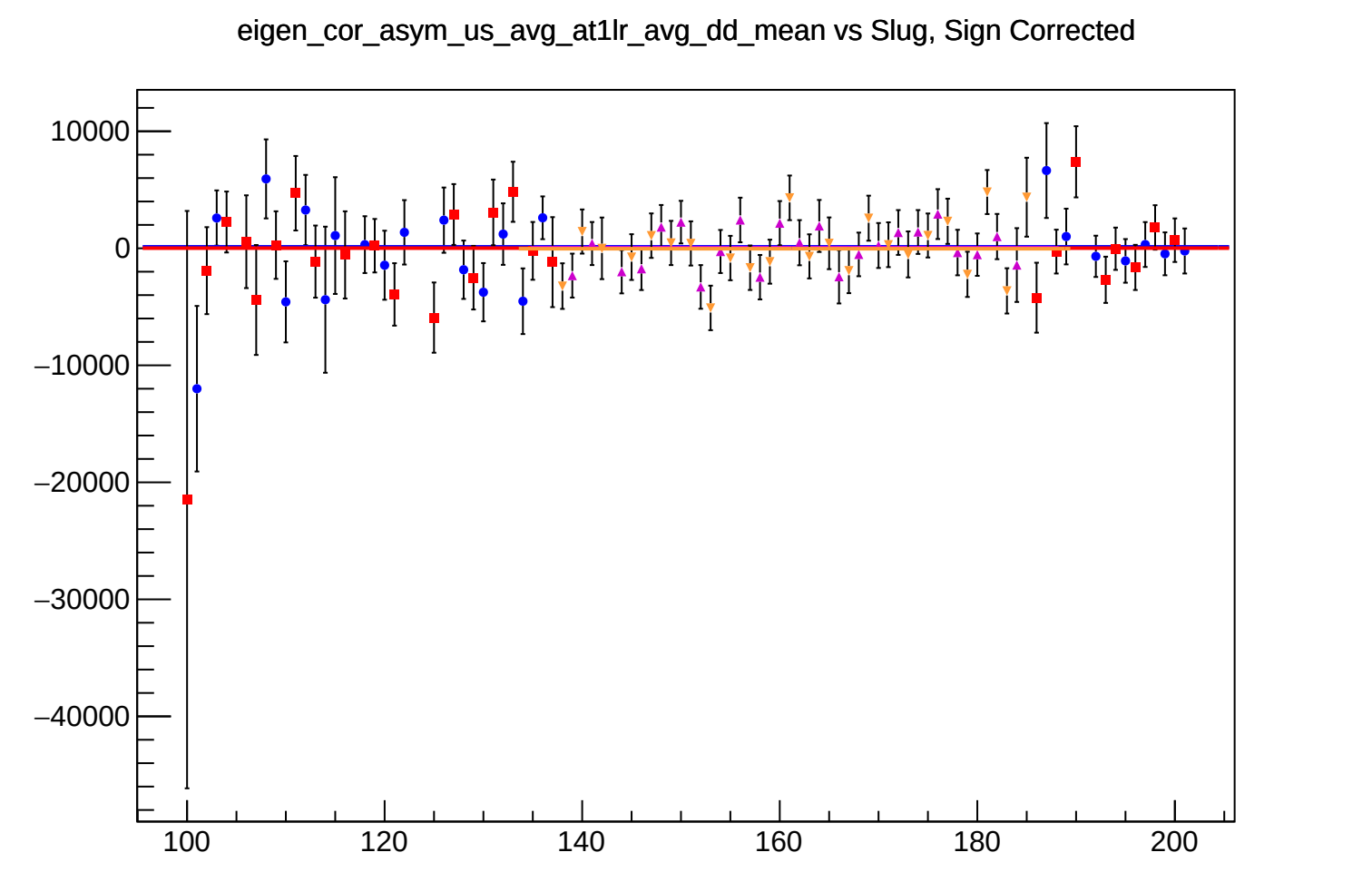
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 621.233+/-0.094 χ^2/NDF: 4334207.1/48

In: 557.722+/-0.080 χ^2/NDF:11001268.3/45

Out: 518.245+/-0.076 χ^2/NDF:14607336.5/49

All: 537.044+/-0.055 χ^2/NDF: 25736549.0/95



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: 14.672+/-508.660 χ^2/NDF: 29.6/25

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

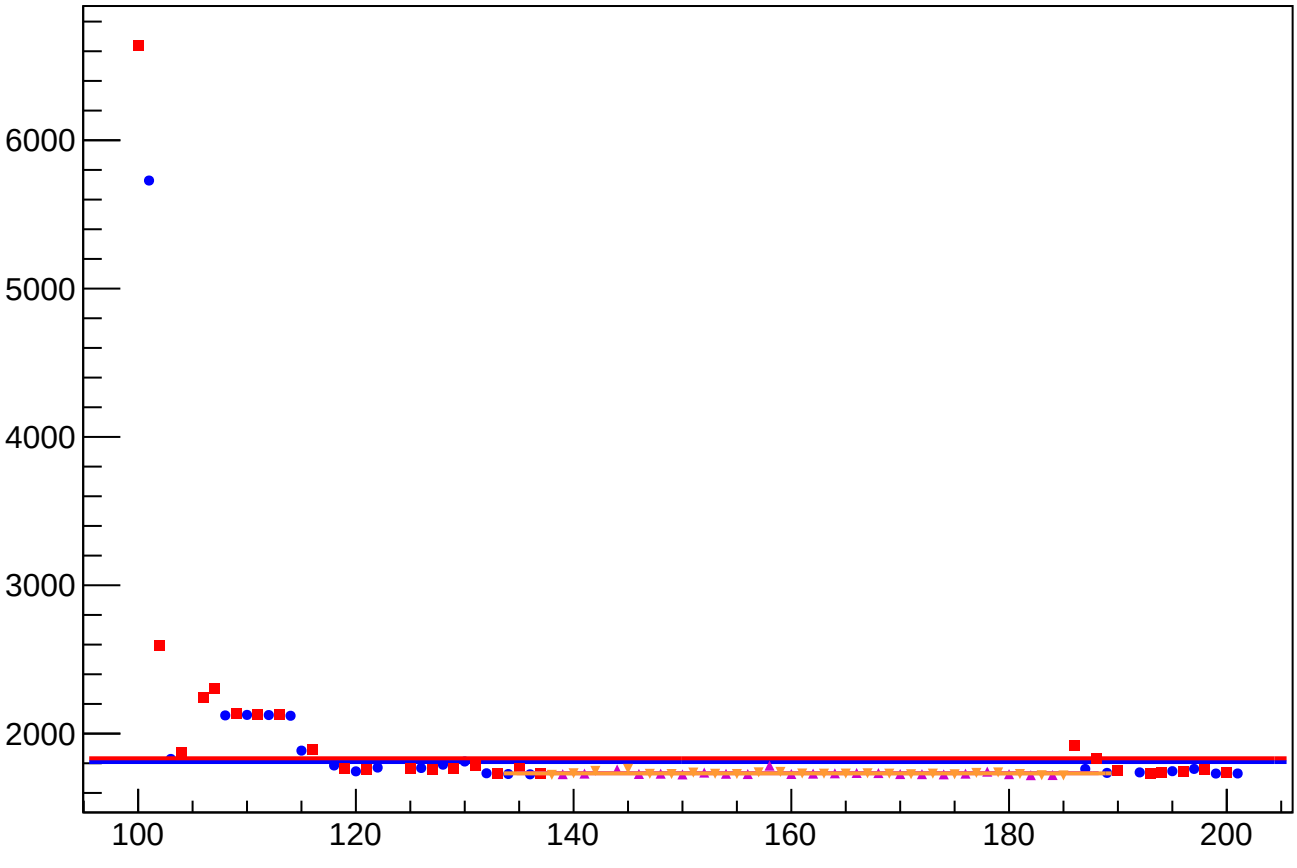
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 67.648+/-364.274 χ^2/NDF: 52.5/48

In: 79.265+/-319.819 χ^2/NDF:42.4/45

Out: -15.746+/-315.380 χ^2/NDF:64.9/49

All: 31.095+/-224.560 χ^2/NDF: 107.3/95



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: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

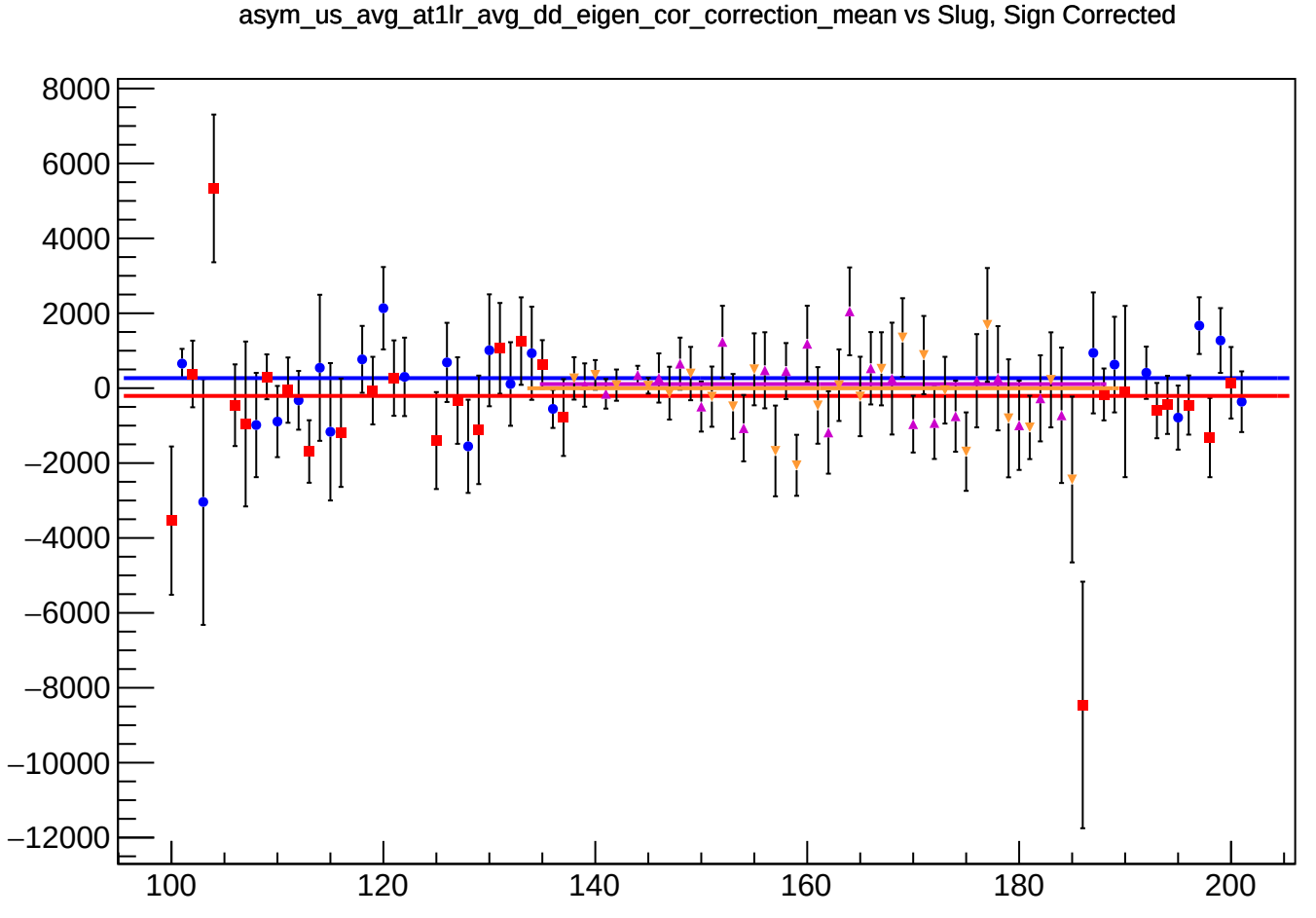
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1821.296+/-0.258 χ^2/NDF: 1004065.0/48

In: 1761.517+/-0.226 χ^2/NDF:729110.7/45

Out: 1771.020+/-0.223 χ^2/NDF:350674.1/49

All: 1766.335+/-0.159 χ^2/NDF: 1080680.2/95



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: -206.978+/-192.171 χ^2/NDF: 29.9/25

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

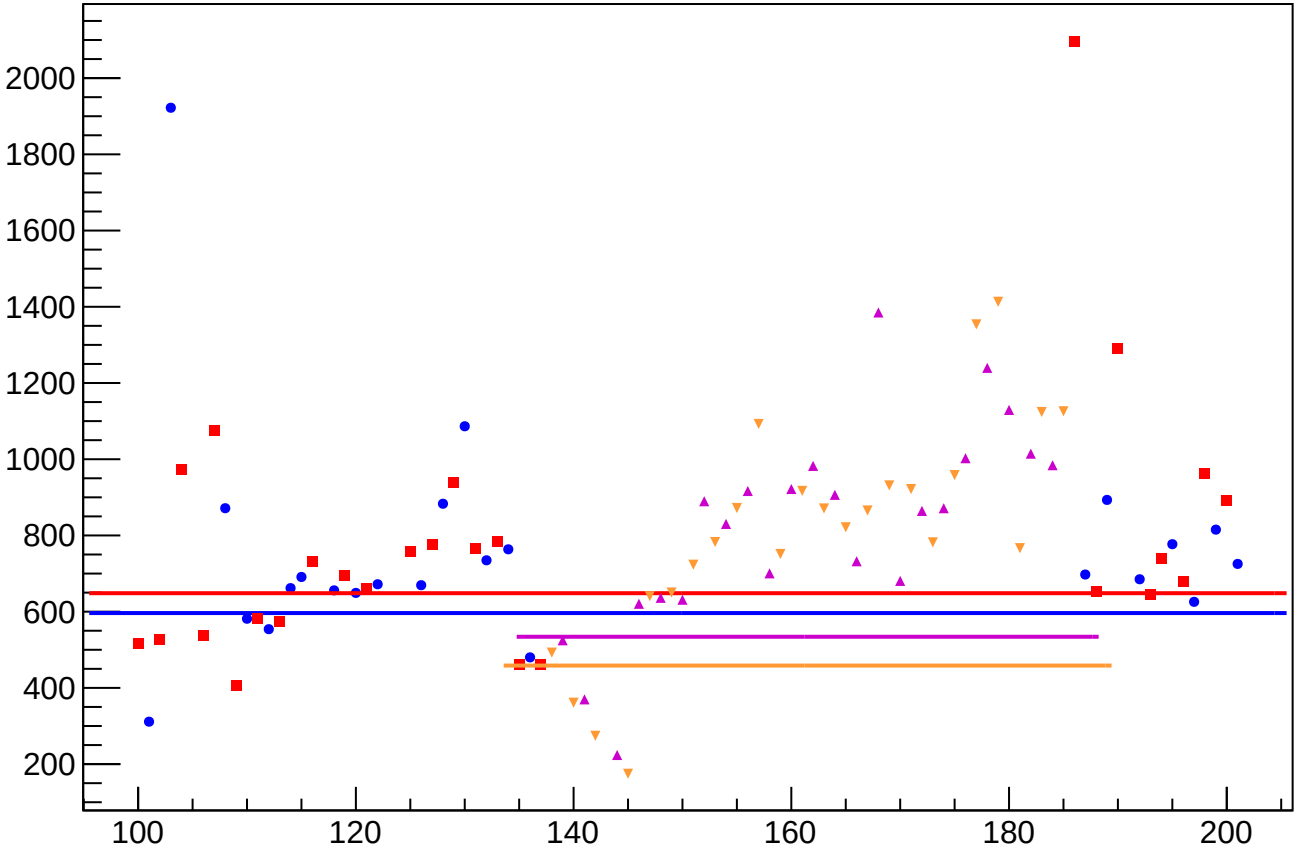
Right: 41.355+/-132.735 χ^2/NDF: 54.4/48

In: 168.790+/-112.962 χ^2/NDF:38.8/45

Out: -66.753+/-107.707 χ^2/NDF:50.9/49

All: 45.412+/-77.952 χ^2/NDF: 92.0/95

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: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

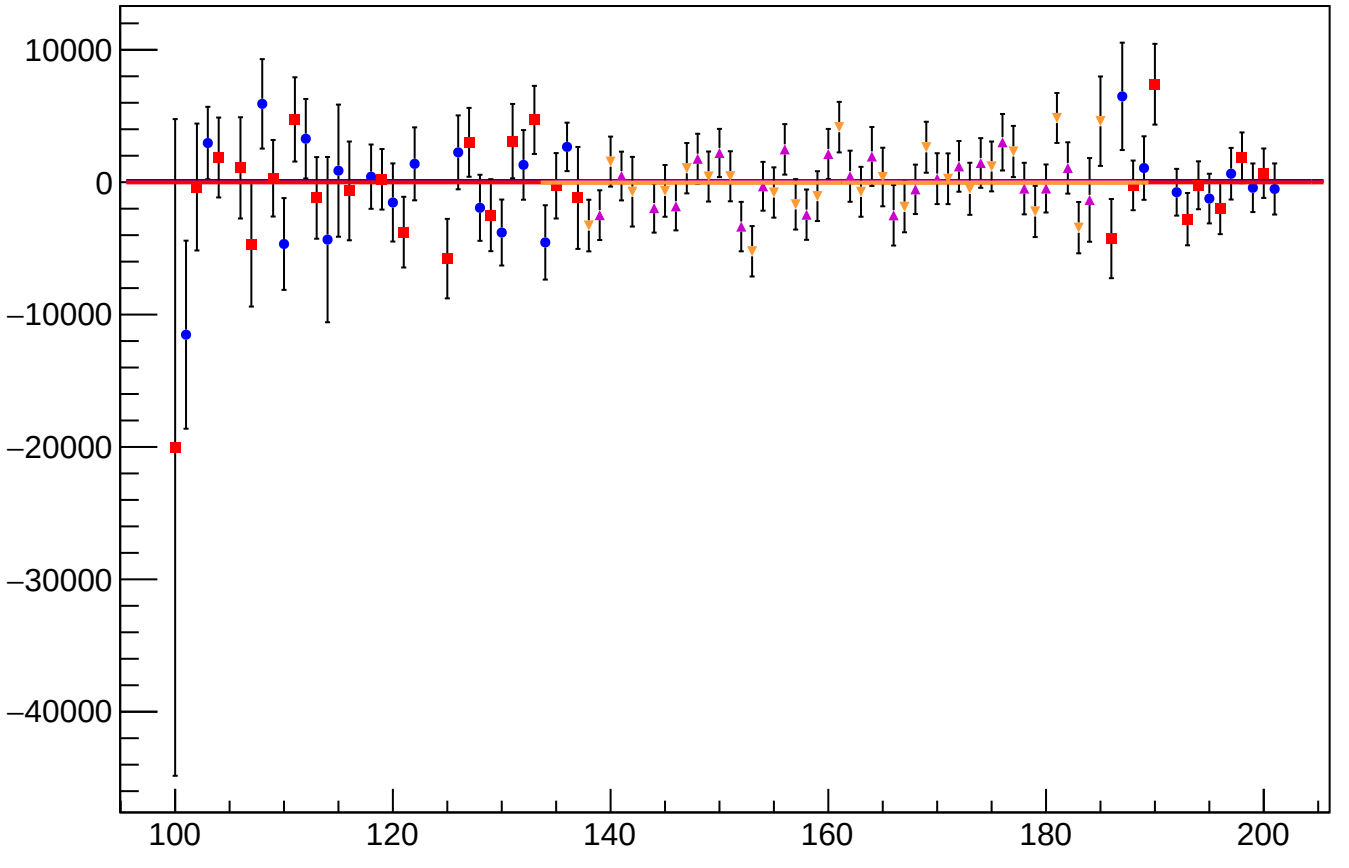
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 621.233+/-0.094 χ^2/NDF: 4334207.1/48

In: 557.722+/-0.080 χ^2/NDF:11001268.3/45

Out: 518.245+/-0.076 χ^2/NDF:14607336.5/49

All: 537.044+/-0.055 χ^2/NDF: 25736549.0/95



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: -11.599+/-514.075 χ^2/NDF: 29.1/25

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

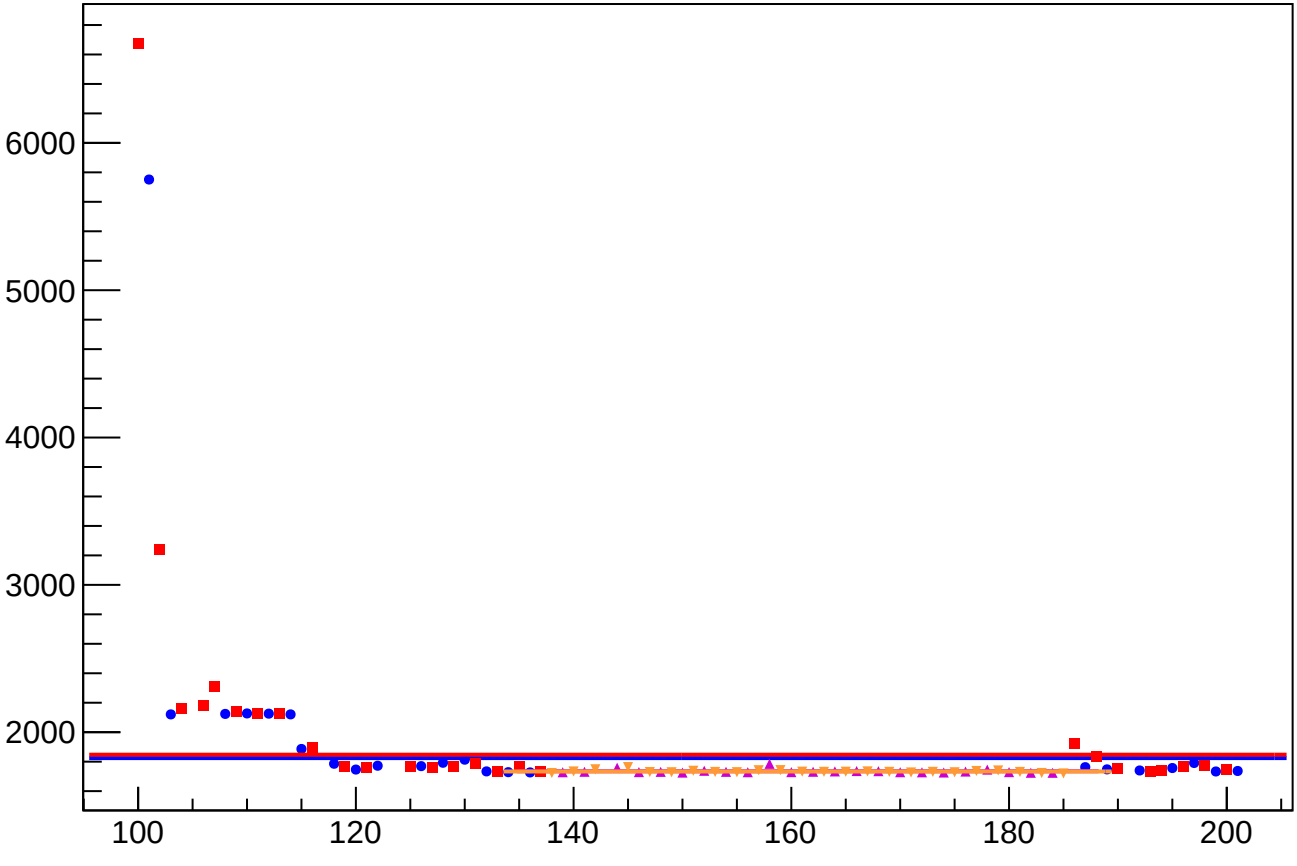
Right: 38.718+/-367.902 χ^2/NDF: 52.2/48

In: 60.703+/-321.093 χ^2/NDF:43.0/45

Out: -22.631+/-316.828 χ^2/NDF:64.5/49

All: 18.478+/-225.524 χ^2/NDF: 107.5/95

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected



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: 1847.241+/-0.364 χ^2/NDF: 401490.5/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

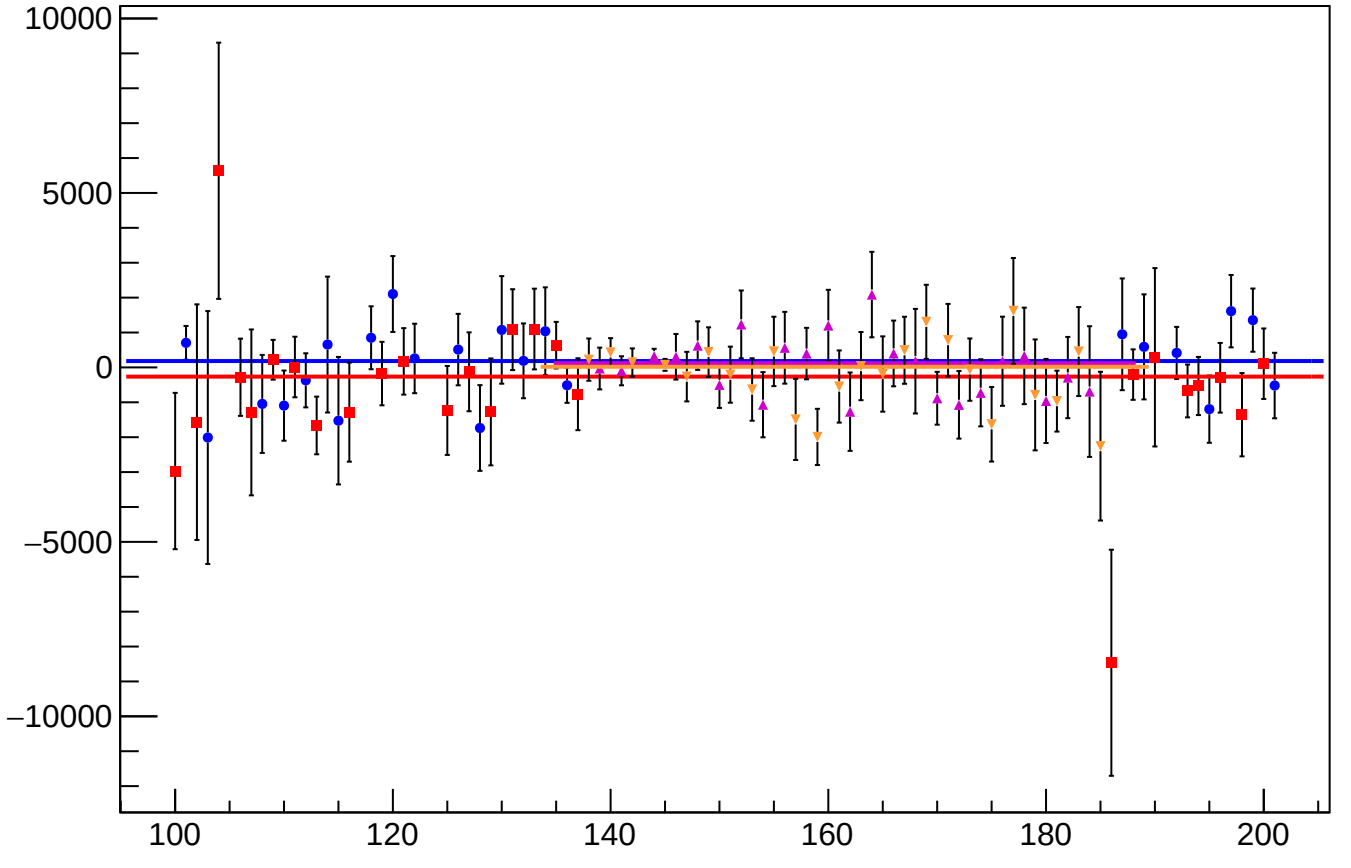
Right: 1836.003+/-0.260 χ^2/NDF: 1127485.5/48

In: 1768.028+/-0.227 χ^2/NDF:762410.7/45

Out: 1776.689+/-0.224 χ^2/NDF:463133.6/49

All: 1772.417+/-0.159 χ^2/NDF: 1226281.6/95

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: -263.914+/-201.782 χ^2/NDF: 22.5/25

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

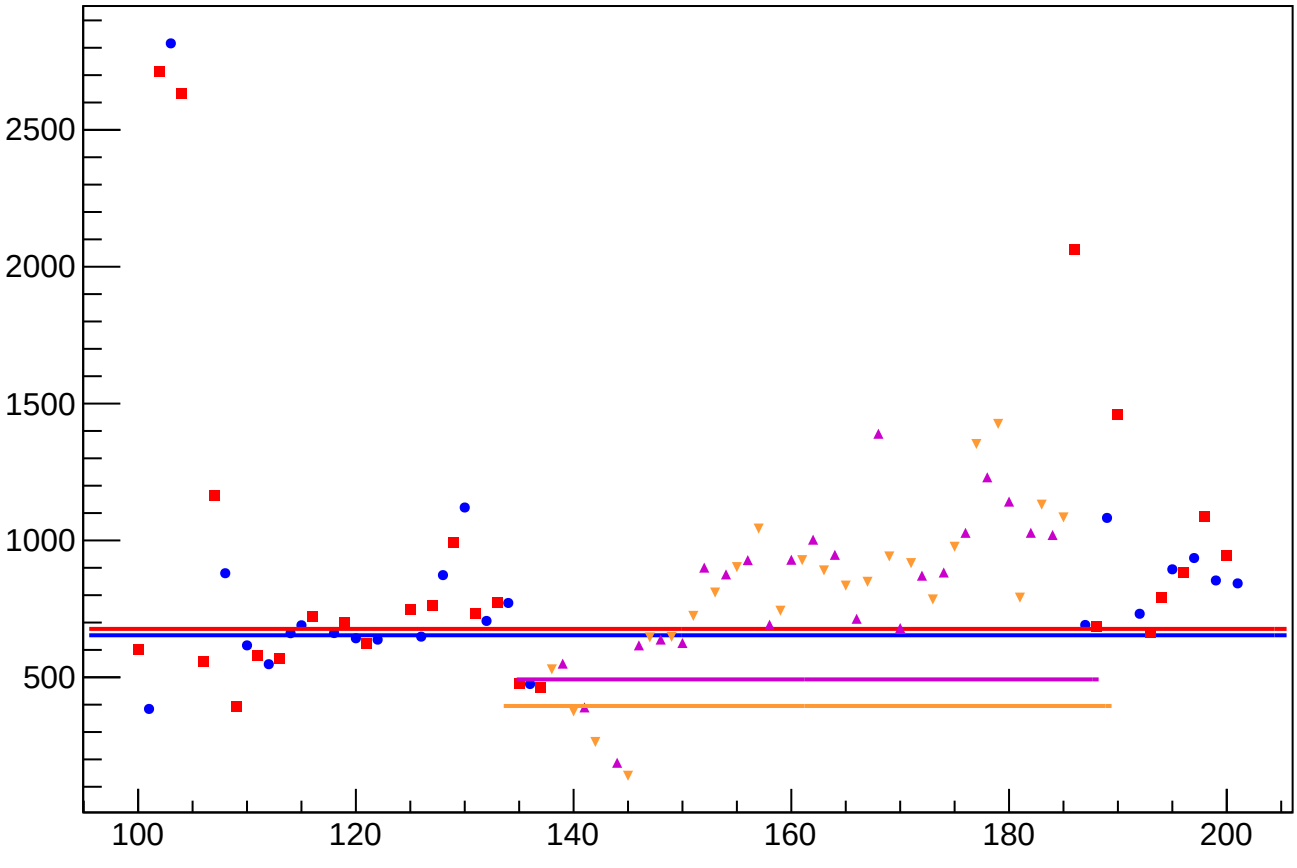
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -36.221+/-141.175 χ^2/NDF: 45.8/48

In: 141.344+/-112.668 χ^2/NDF:37.4/45

Out: -55.030+/-102.715 χ^2/NDF:43.3/49

All: 34.102+/-75.906 χ^2/NDF: 82.4/95



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: 676.827+/-0.143 χ^2/NDF: 3416424.2/25

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

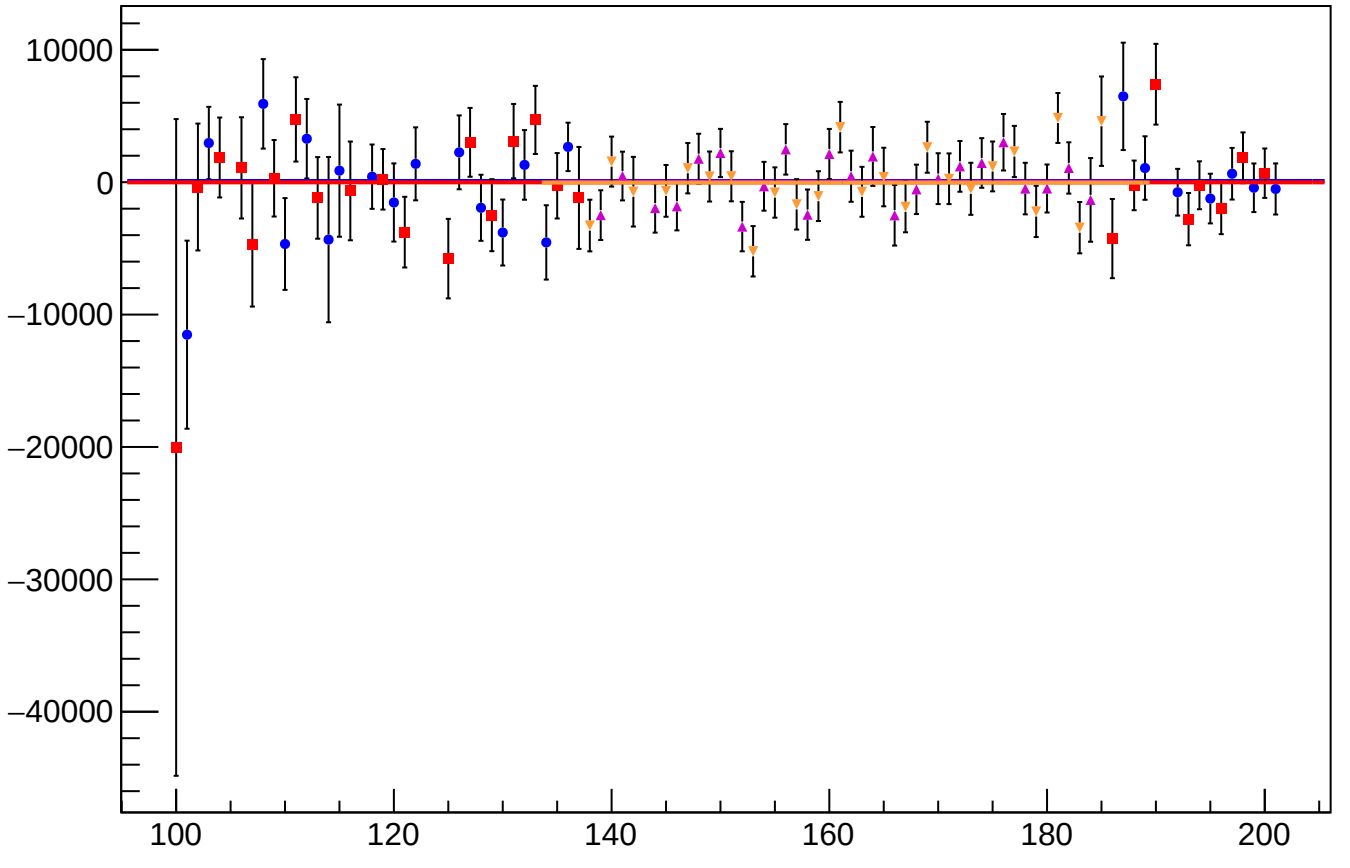
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 664.906+/-0.100 χ^2/NDF: 6011416.0/48

In: 544.702+/-0.080 χ^2/NDF:13898957.5/45

Out: 468.167+/-0.073 χ^2/NDF:20637500.8/49

All: 502.905+/-0.054 χ^2/NDF: 35040458.0/95



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: -11.598+/-514.075 χ^2/NDF: 29.1/25

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

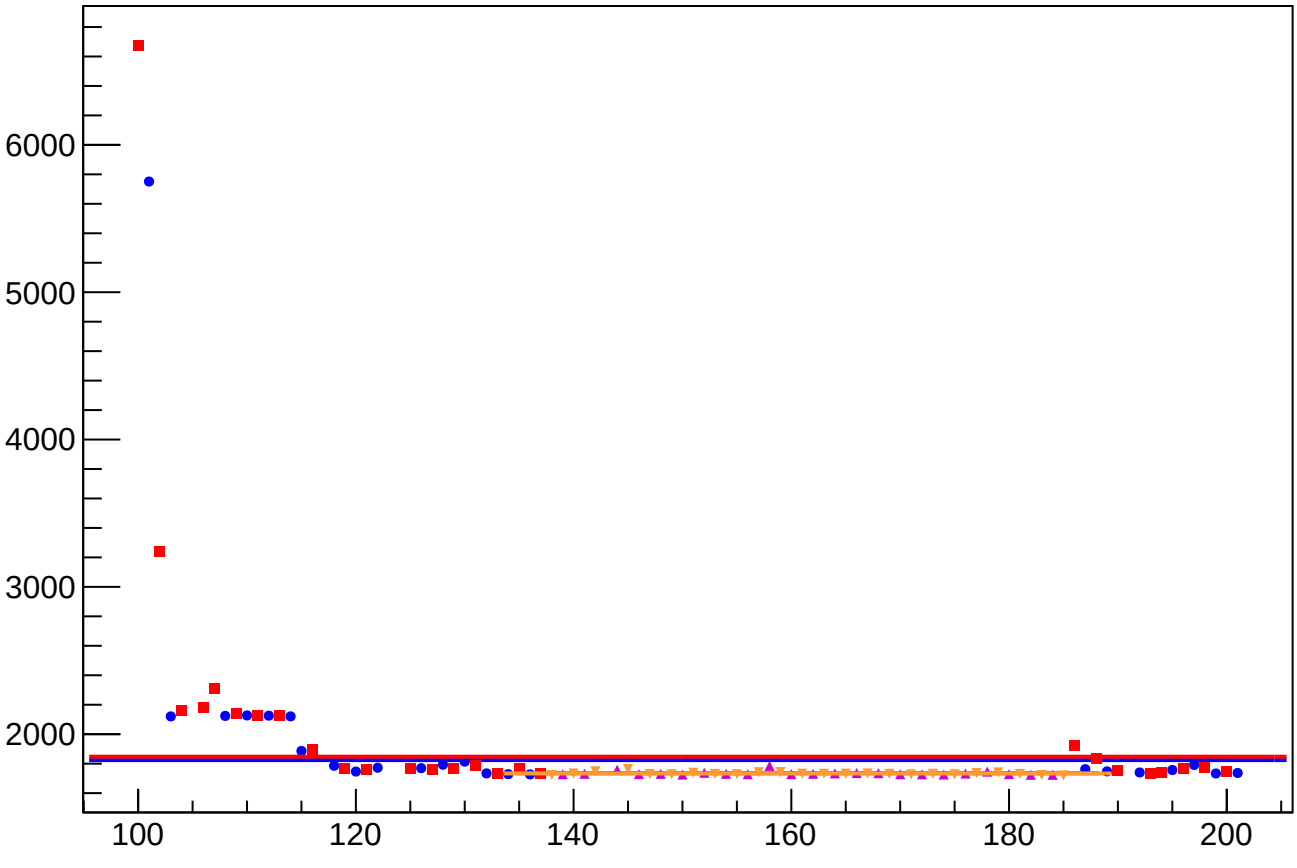
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 38.718+/-367.902 χ^2/NDF: 52.2/48

In: 60.702+/-321.093 χ^2/NDF:43.0/45

Out: -22.633+/-316.828 χ^2/NDF:64.5/49

All: 18.478+/-225.524 χ^2/NDF: 107.5/95



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: 1847.241+/-0.364 χ^2/NDF: 401489.6/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

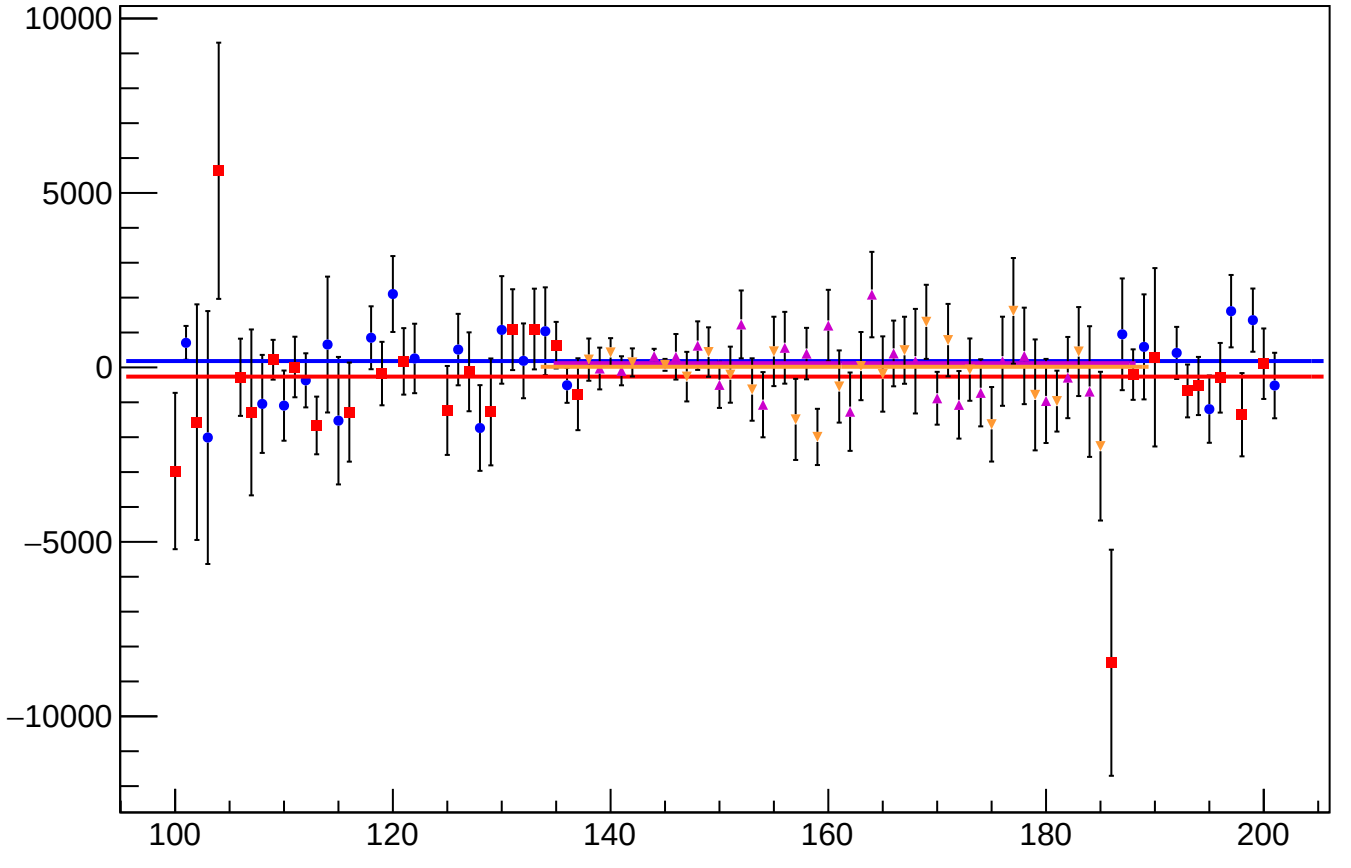
Right: 1836.003+/-0.260 χ^2/NDF: 1127484.2/48

In: 1768.028+/-0.227 χ^2/NDF:762410.3/45

Out: 1776.689+/-0.224 χ^2/NDF:463132.8/49

All: 1772.417+/-0.159 χ^2/NDF: 1226280.4/95

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 182.103+/-197.587 χ^2/NDF: 20.8/22

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -263.912+/-201.781 χ^2/NDF: 22.5/25

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

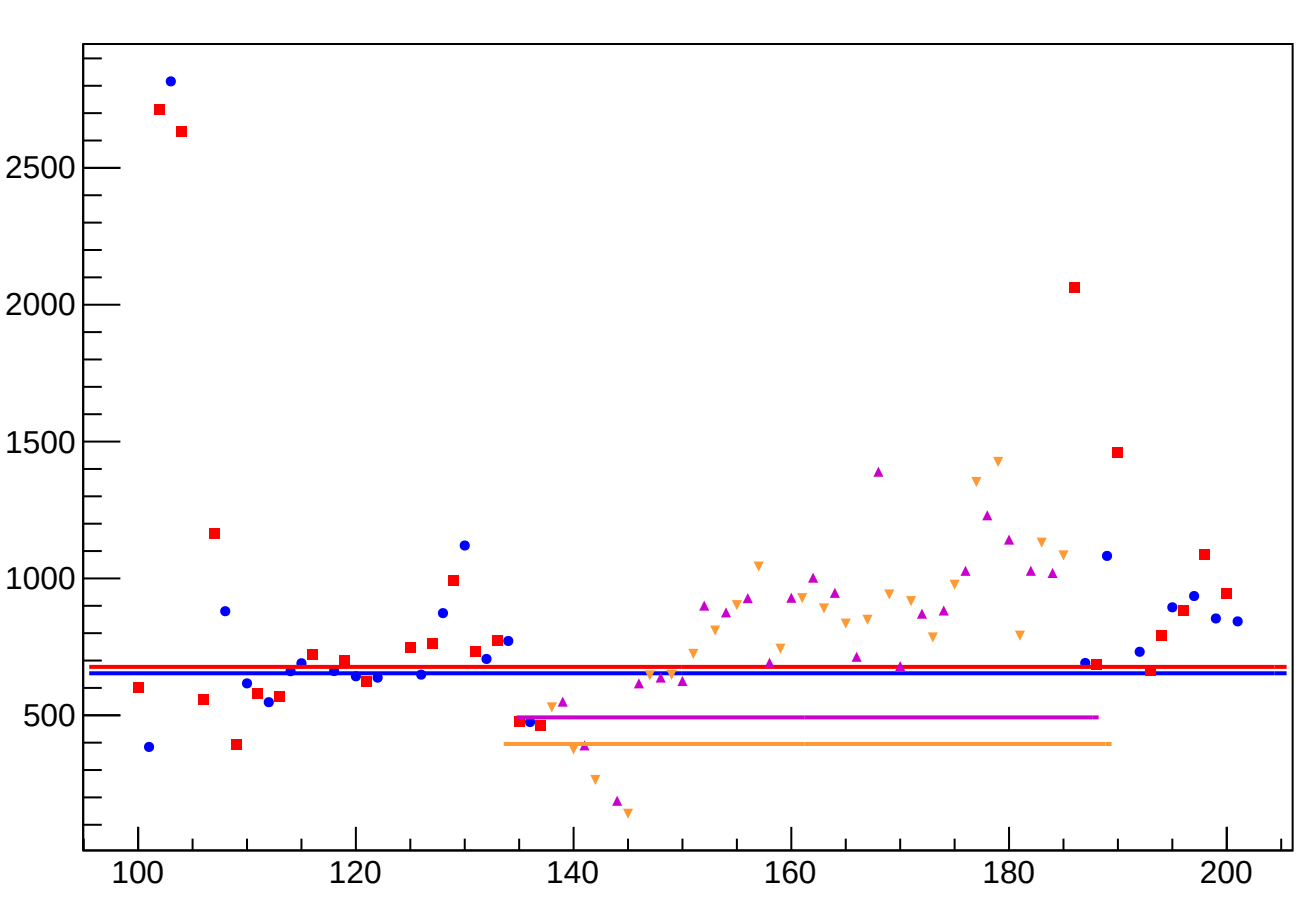
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: -36.221+/-141.175 χ^2/NDF: 45.8/48

In: 141.344+/-112.668 χ^2/NDF:37.4/45

Out: -55.031+/-102.715 χ^2/NDF:43.3/49

All: 34.101+/-75.906 χ^2/NDF: 82.4/95



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: 676.823+/-0.143 χ^2/NDF: 3416458.8/25

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

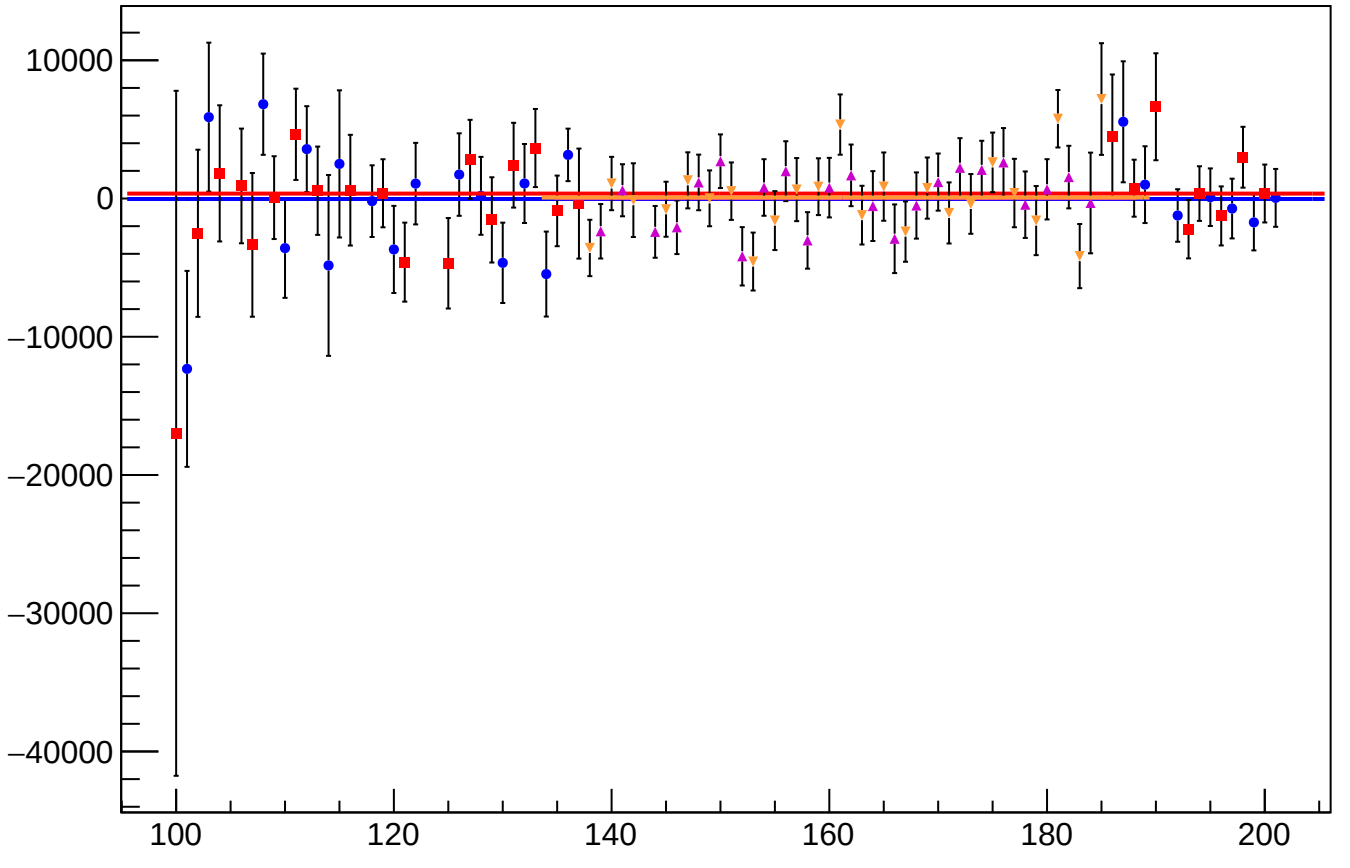
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 664.903+/-0.100 χ^2/NDF: 6011451.9/48

In: 544.702+/-0.080 χ^2/NDF:13898959.3/45

Out: 468.166+/-0.073 χ^2/NDF:20637515.4/49

All: 502.905+/-0.054 χ^2/NDF: 35040482.1/95



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: 355.851+/-570.629 χ^2/NDF: 18.6/25

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

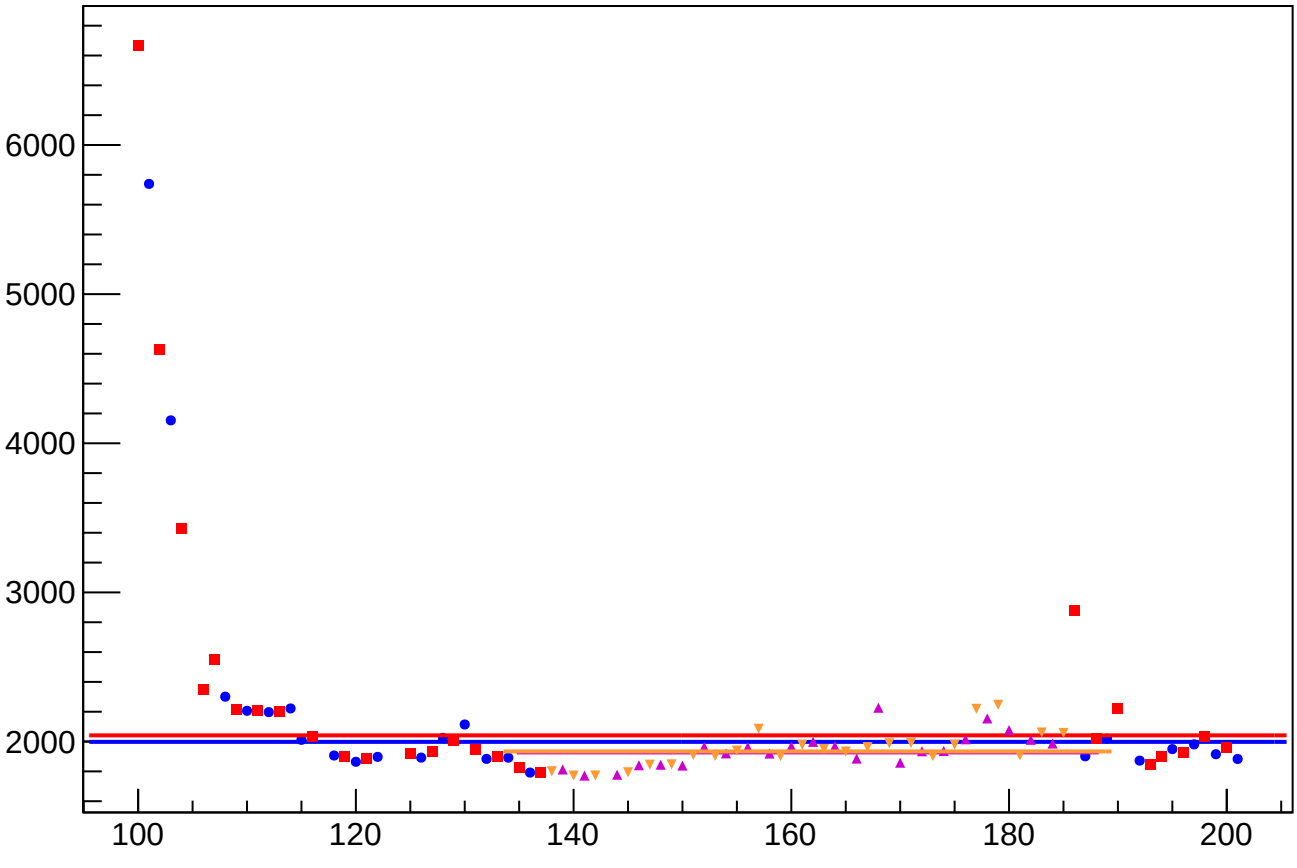
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 163.787+/-406.849 χ^2/NDF: 43.1/48

In: 2.853+/-355.964 χ^2/NDF:44.2/45

Out: 177.471+/-353.226 χ^2/NDF:52.4/49

All: 90.836+/-250.731 χ^2/NDF: 96.7/95



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: 2041.605+/-0.403 χ^2/NDF: 799127.5/25

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

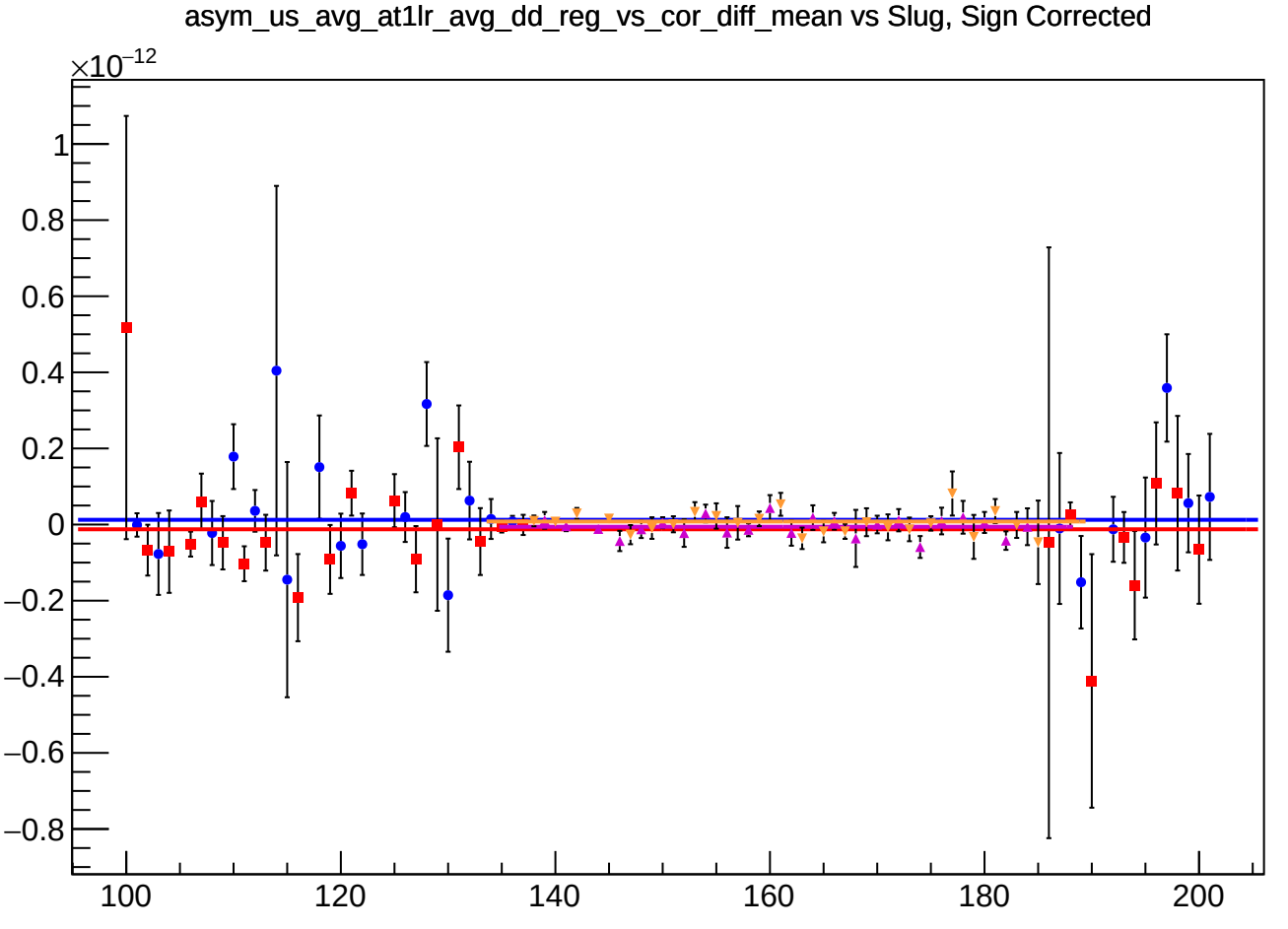
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

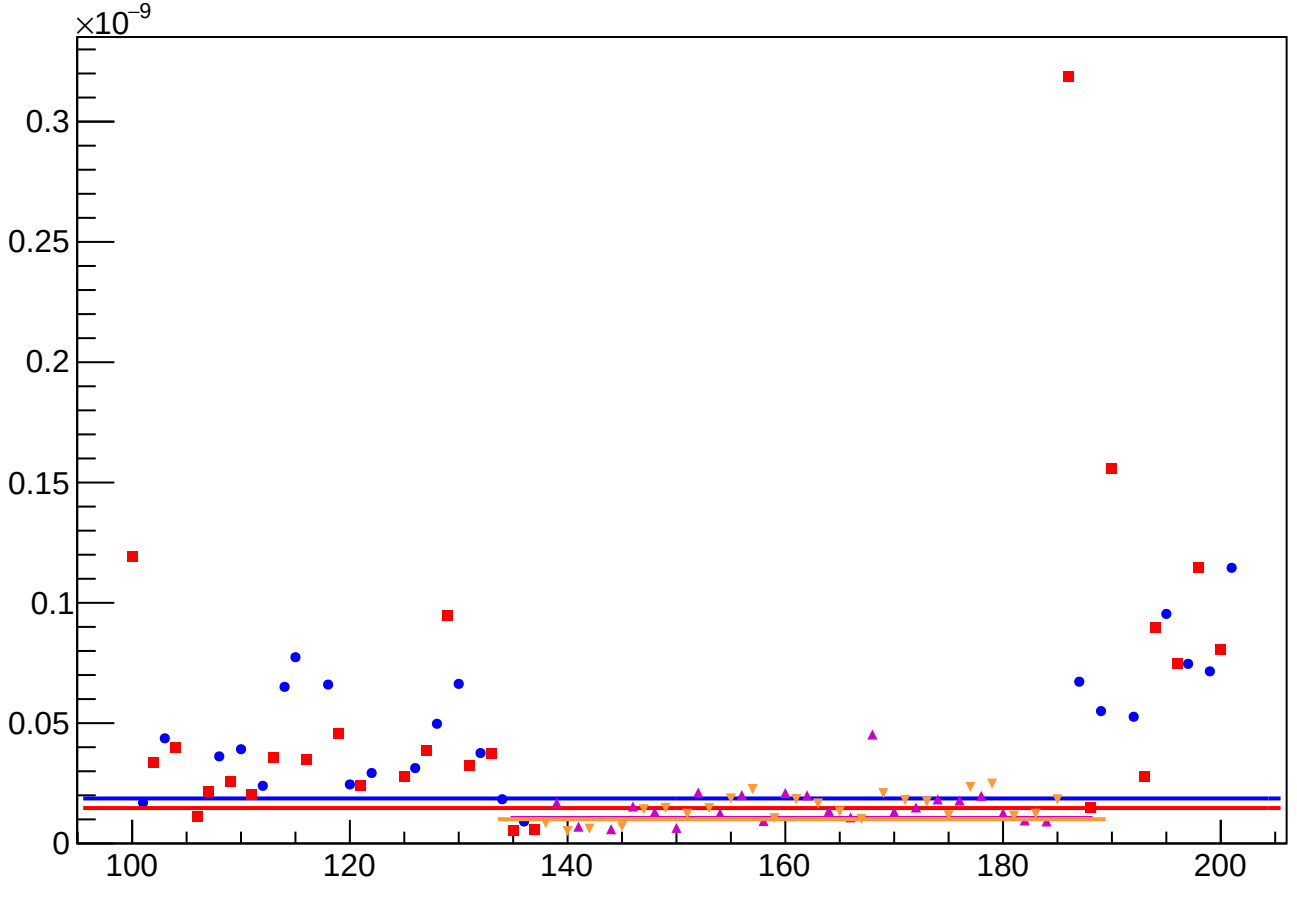
Right: 2020.143+/-0.288 χ^2/NDF: 1777254.9/48

In: 1953.781+/-0.252 χ^2/NDF:1107392.8/45

Out: 1975.111+/-0.250 χ^2/NDF:971687.4/49

All: 1964.529+/-0.177 χ^2/NDF: 2082698.4/95


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.3/22
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/25
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 54.9/48
In: -0.000+/-0.000 χ²/NDF:45.3/45
Out: 0.000+/-0.000 χ²/NDF:46.7/49
All: 0.000+/-0.000 χ²/NDF: 93.9/95



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: 5042841.2/25

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

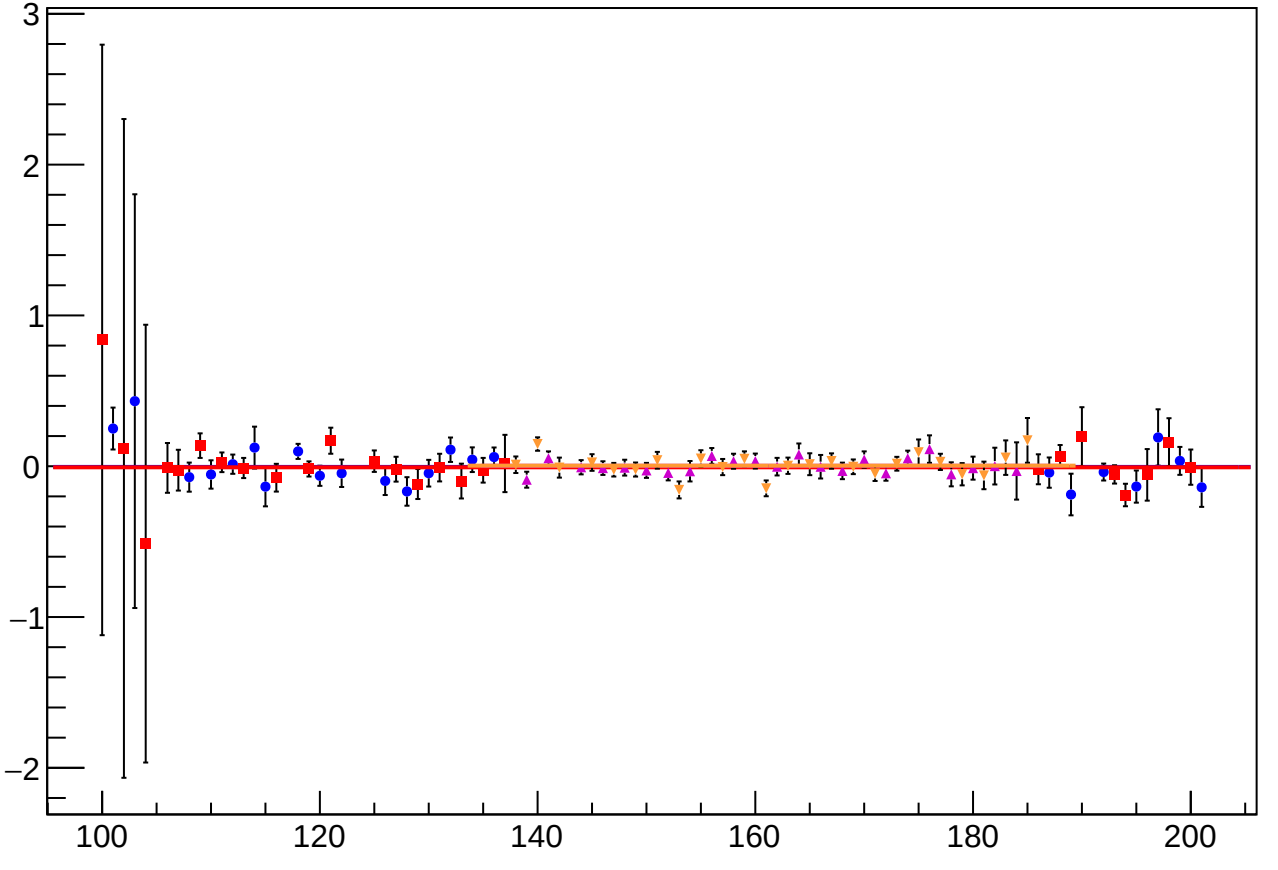
Right: 0.000+/-0.000 χ^2/NDF: 9643650.5/48

In: 0.000+/-0.000 χ^2/NDF:7930325.1/45

Out: 0.000+/-0.000 χ^2/NDF:7680971.1/49

All: 0.000+/-0.000 χ^2/NDF: 15657191.7/95

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: 20.6/25

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

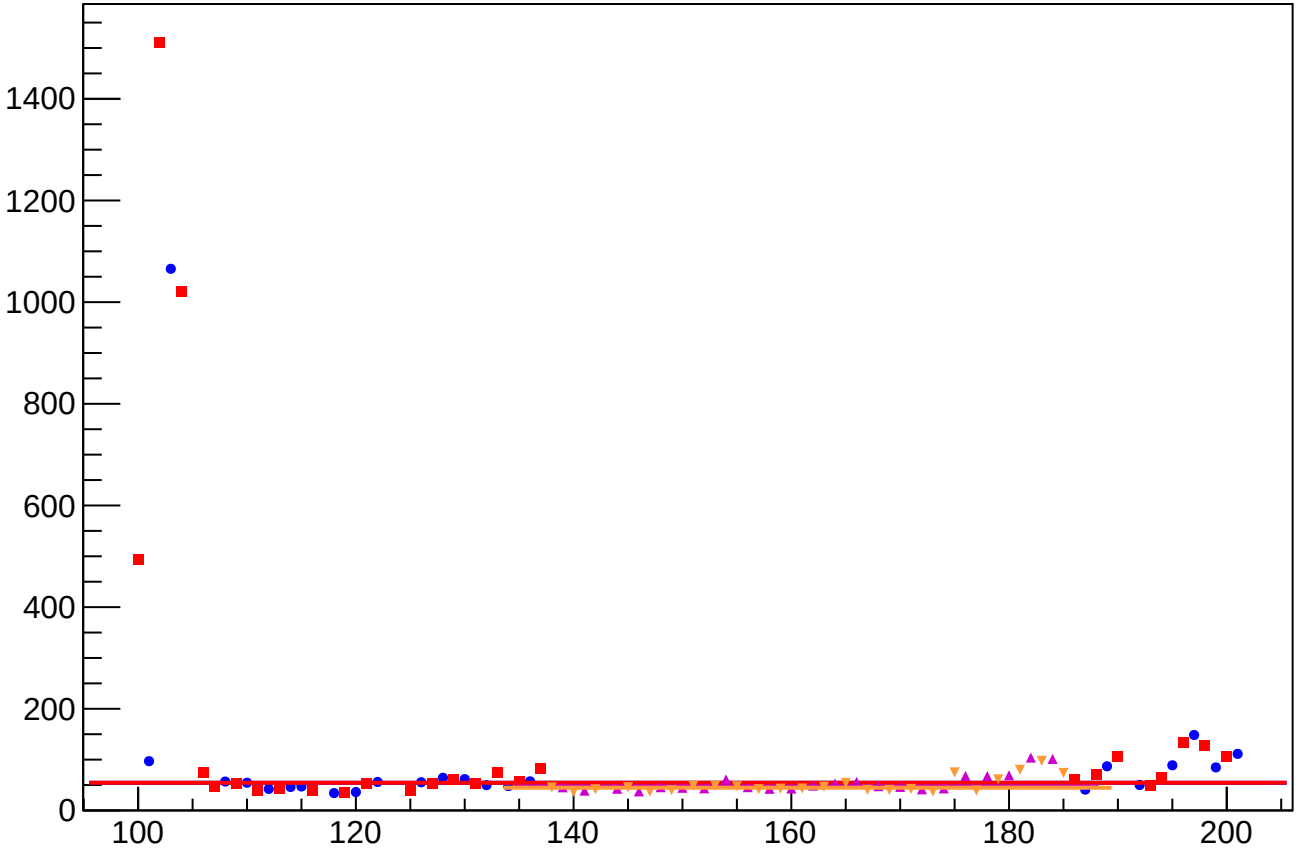
Right: -0.006+/-0.013 χ^2/NDF: 45.7/48

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

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: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

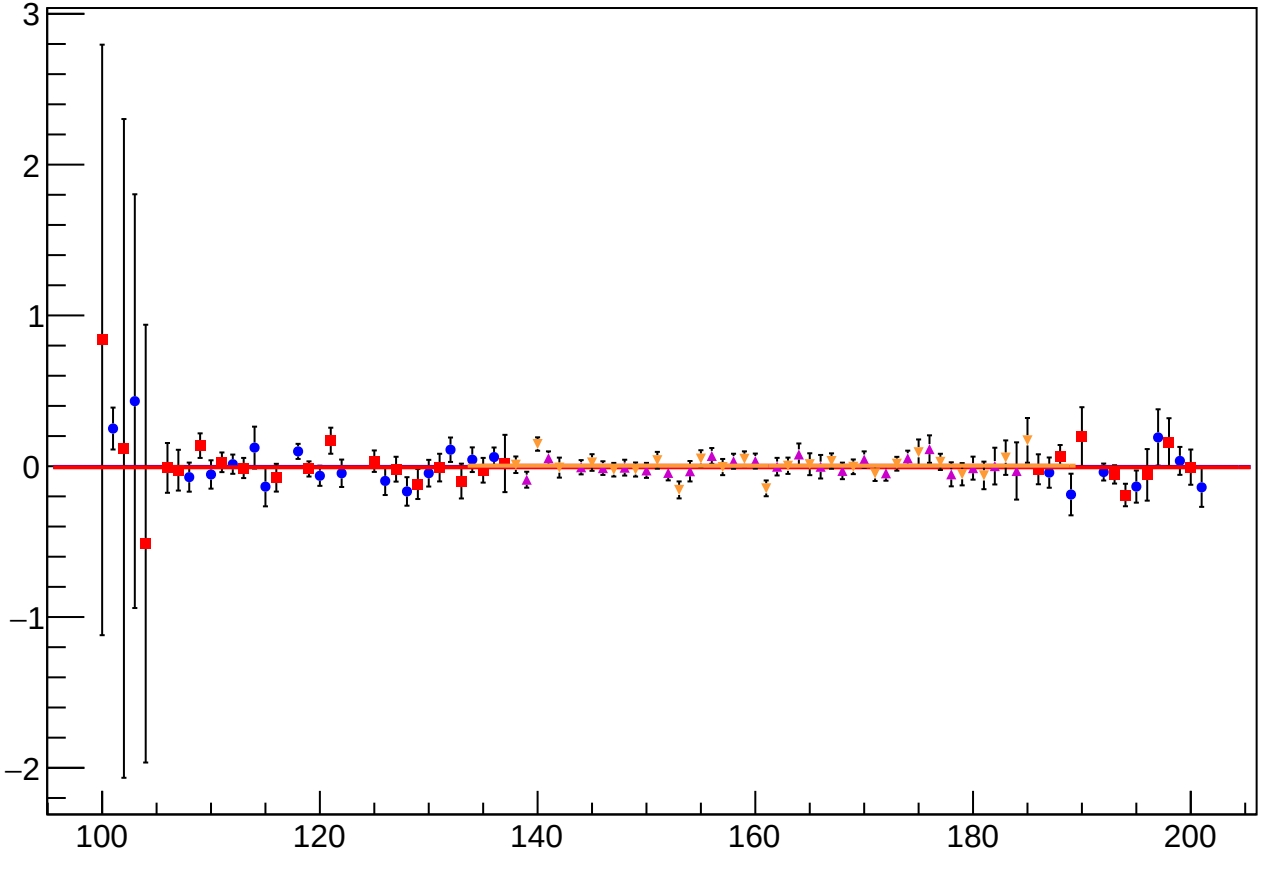
Right: 54.448+/-0.009 χ^2/NDF: 7523001.7/48

In: 49.269+/-0.007 χ^2/NDF:4983709.7/45

Out: 47.544+/-0.007 χ^2/NDF:6049061.5/49

All: 48.383+/-0.005 χ^2/NDF: 11063529.3/95

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: 20.6/25

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

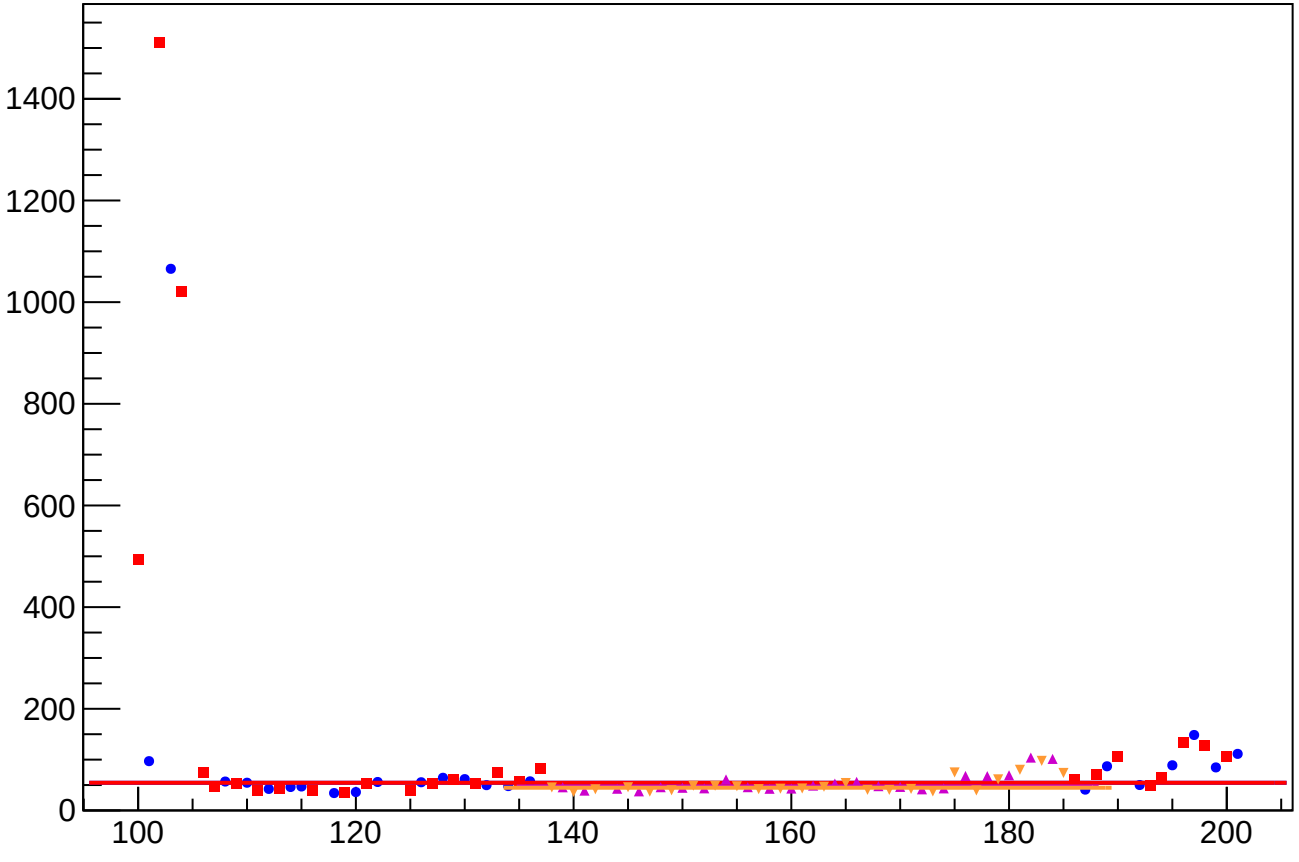
Right: -0.006+/-0.013 χ^2/NDF: 45.7/48

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

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: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

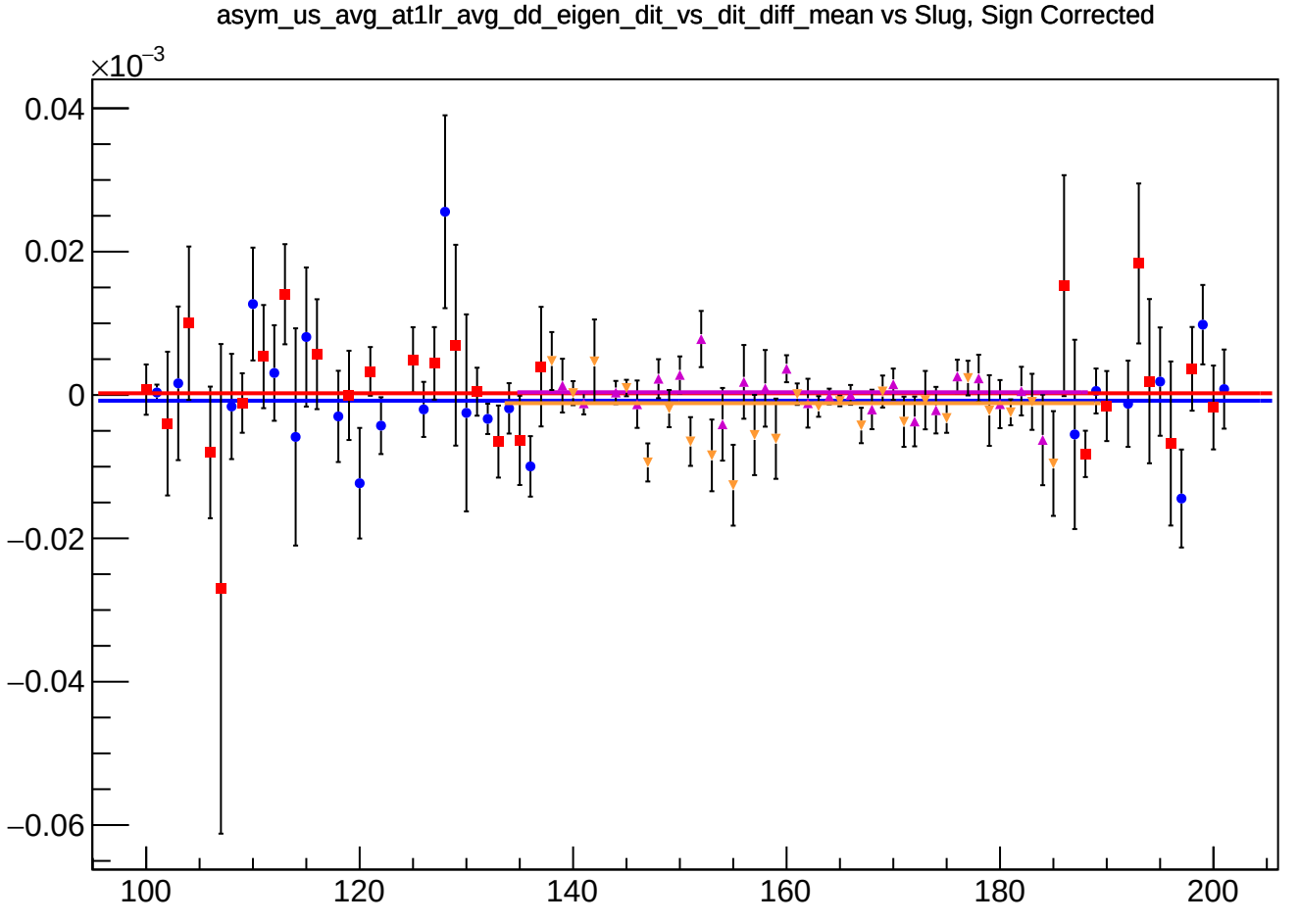
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 54.448+/-0.009 χ^2/NDF: 7523001.7/48

In: 49.269+/-0.007 χ^2/NDF:4983709.7/45

Out: 47.544+/-0.007 χ^2/NDF:6049061.5/49

All: 48.383+/-0.005 χ^2/NDF: 11063529.3/95



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: 24.8/25

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

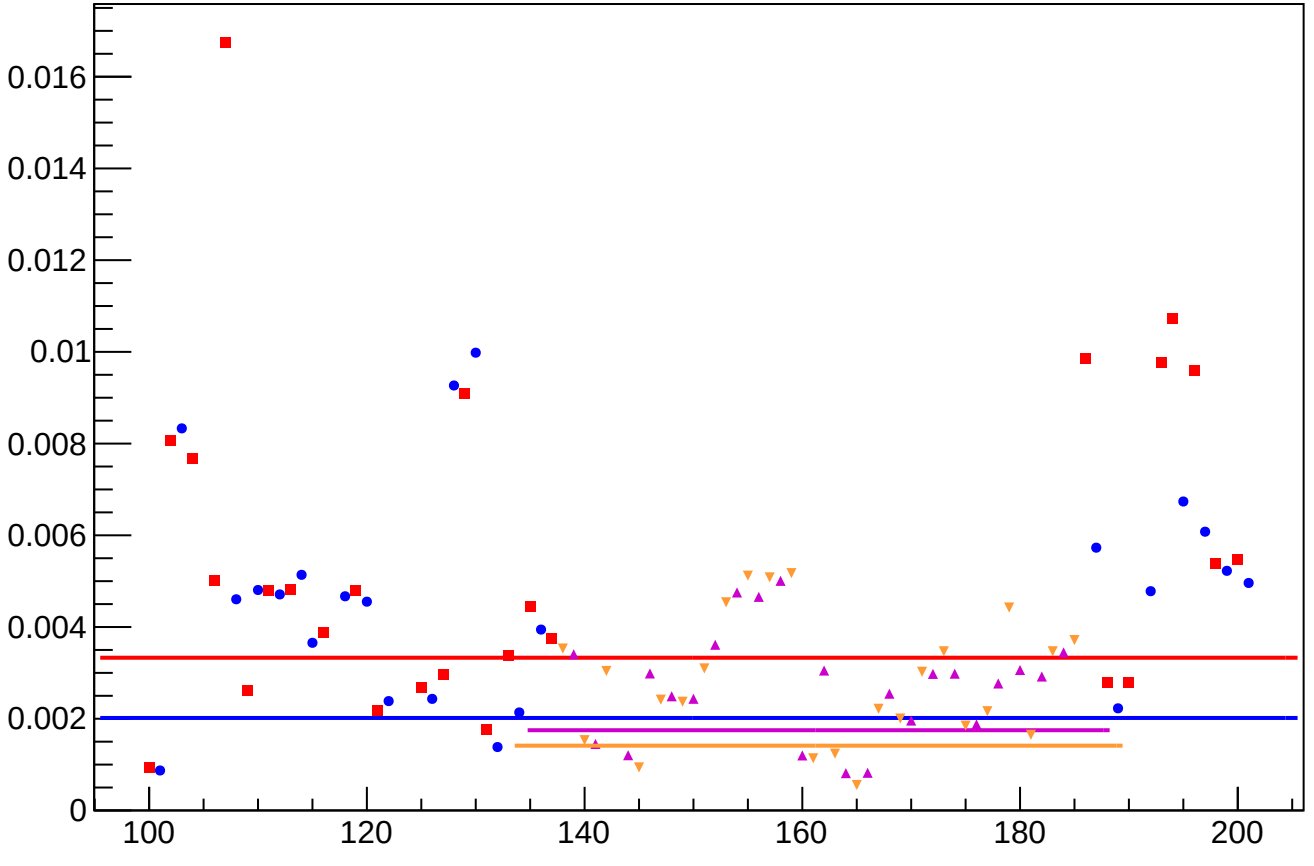
Right: -0.000+/-0.000 χ^2/NDF: 52.3/48

In: 0.000+/-0.000 χ^2/NDF:44.9/45

Out: -0.000+/-0.000 χ^2/NDF:61.9/49

All: -0.000+/-0.000 χ^2/NDF: 110.0/95

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: 6607223.2/25

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

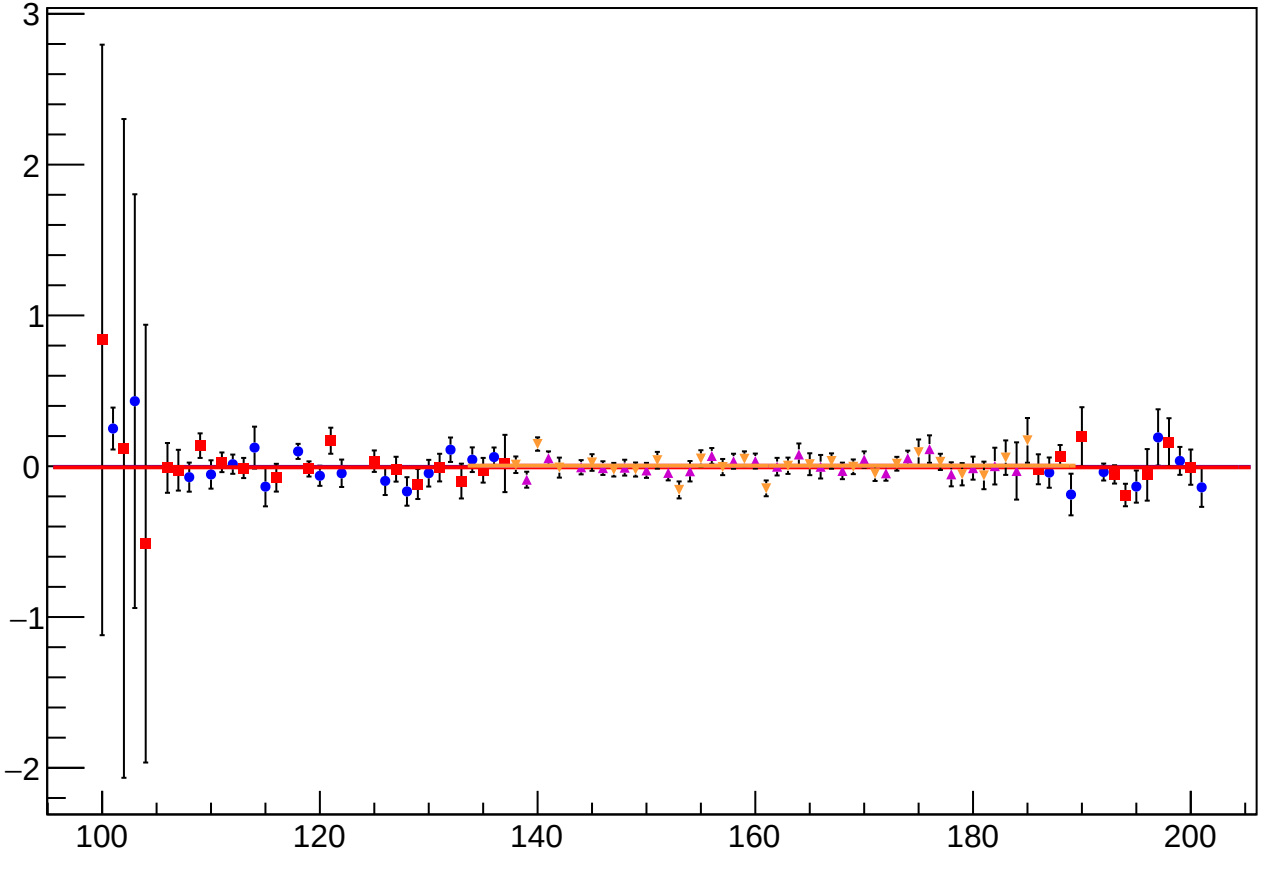
Right: 0.002+/-0.000 χ^2/NDF: 18127985.7/48

In: 0.002+/-0.000 χ^2/NDF:18017377.3/45

Out: 0.002+/-0.000 χ^2/NDF:23524581.2/49

All: 0.002+/-0.000 χ^2/NDF: 41747067.7/95

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: 20.6/25

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

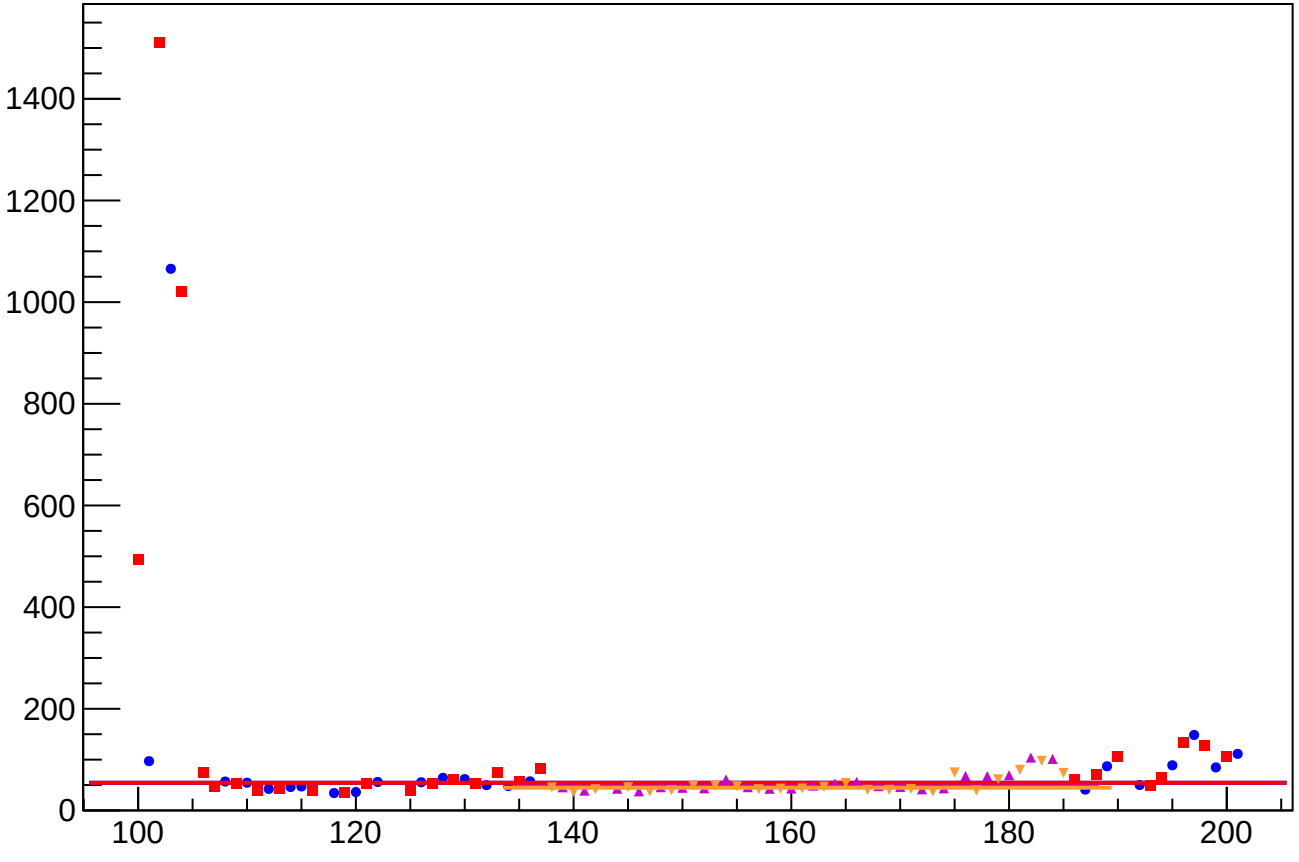
Right: -0.006+/-0.013 χ^2/NDF: 45.7/48

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

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: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

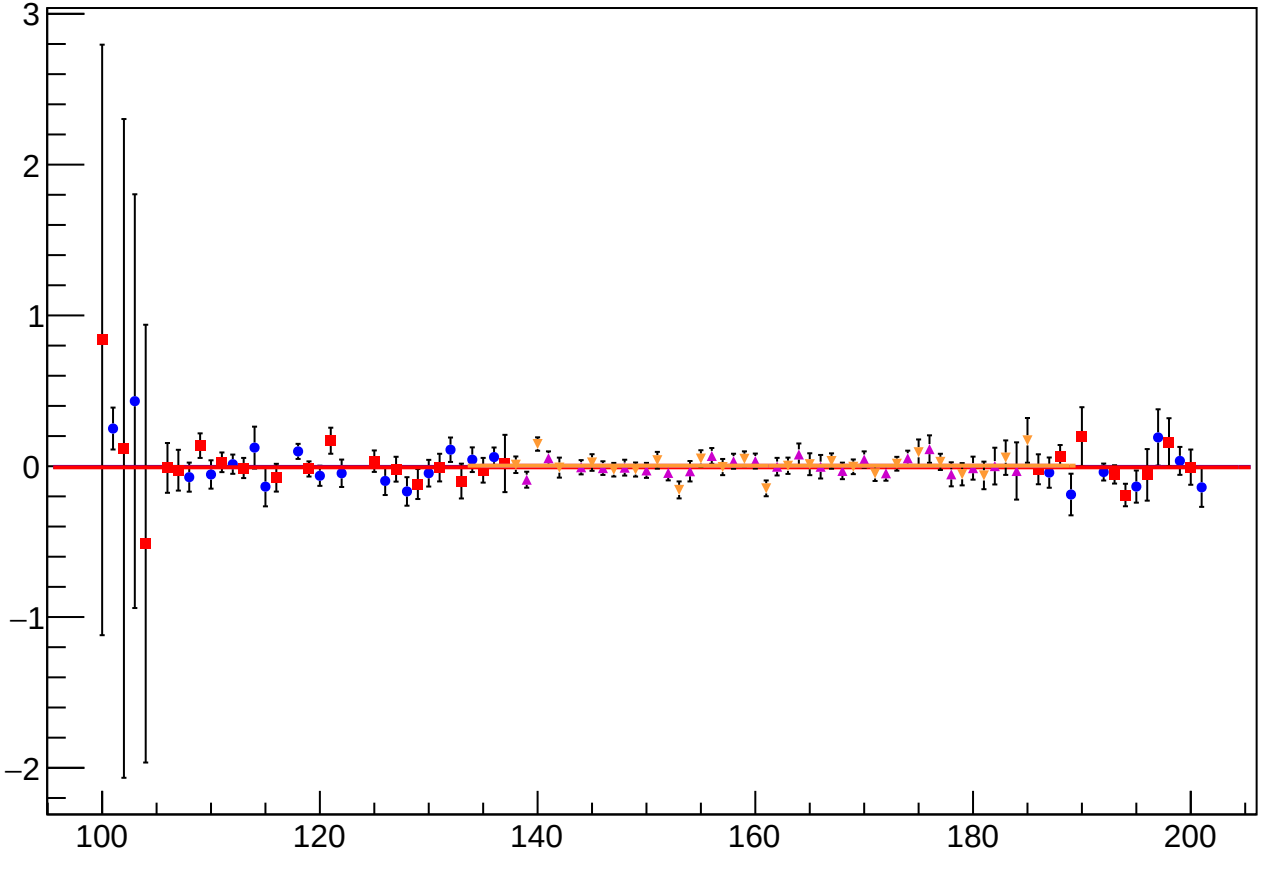
Right: 54.447+/-0.009 χ^2/NDF: 7523088.5/48

In: 49.269+/-0.007 χ^2/NDF:4983750.4/45

Out: 47.544+/-0.007 χ^2/NDF:6049088.9/49

All: 48.383+/-0.005 χ^2/NDF: 11063591.1/95

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: 20.6/25

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

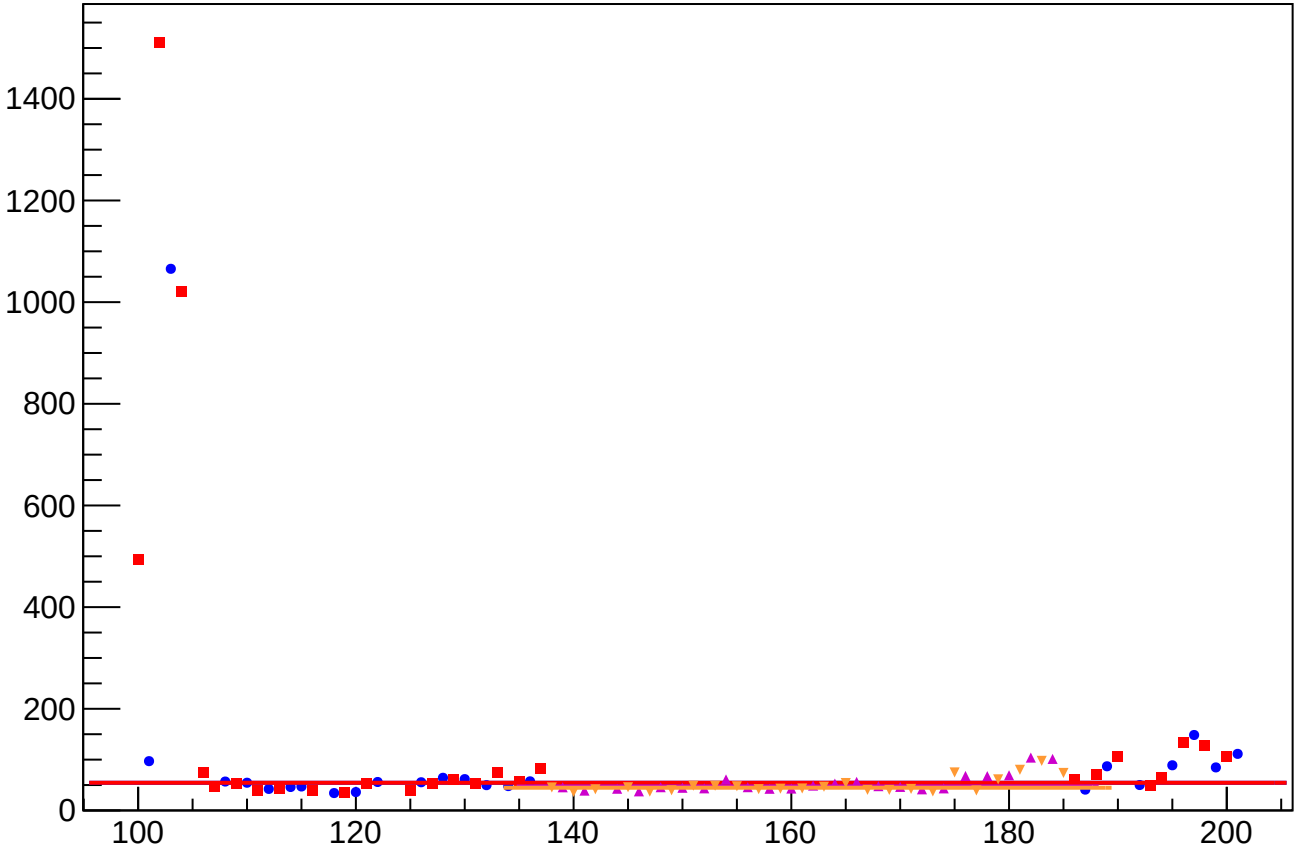
Right: -0.006+/-0.013 χ^2/NDF: 45.7/48

In: 0.001+/-0.010 χ^2/NDF:39.6/45

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

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: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

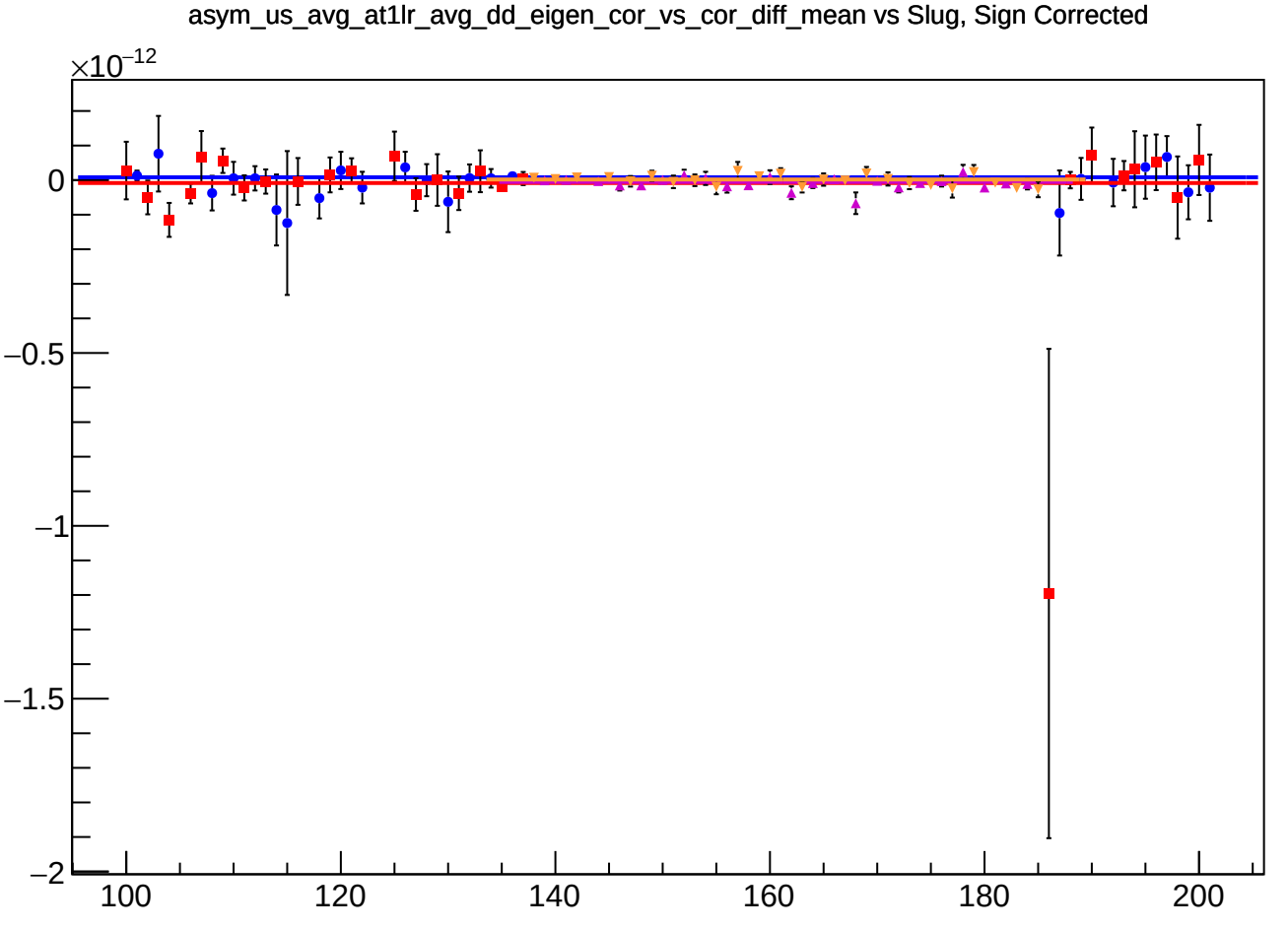
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 54.447+/-0.009 χ^2/NDF: 7523088.5/48

In: 49.269+/-0.007 χ^2/NDF:4983750.4/45

Out: 47.544+/-0.007 χ^2/NDF:6049088.9/49

All: 48.383+/-0.005 χ^2/NDF: 11063591.1/95



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: 21.8/25

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

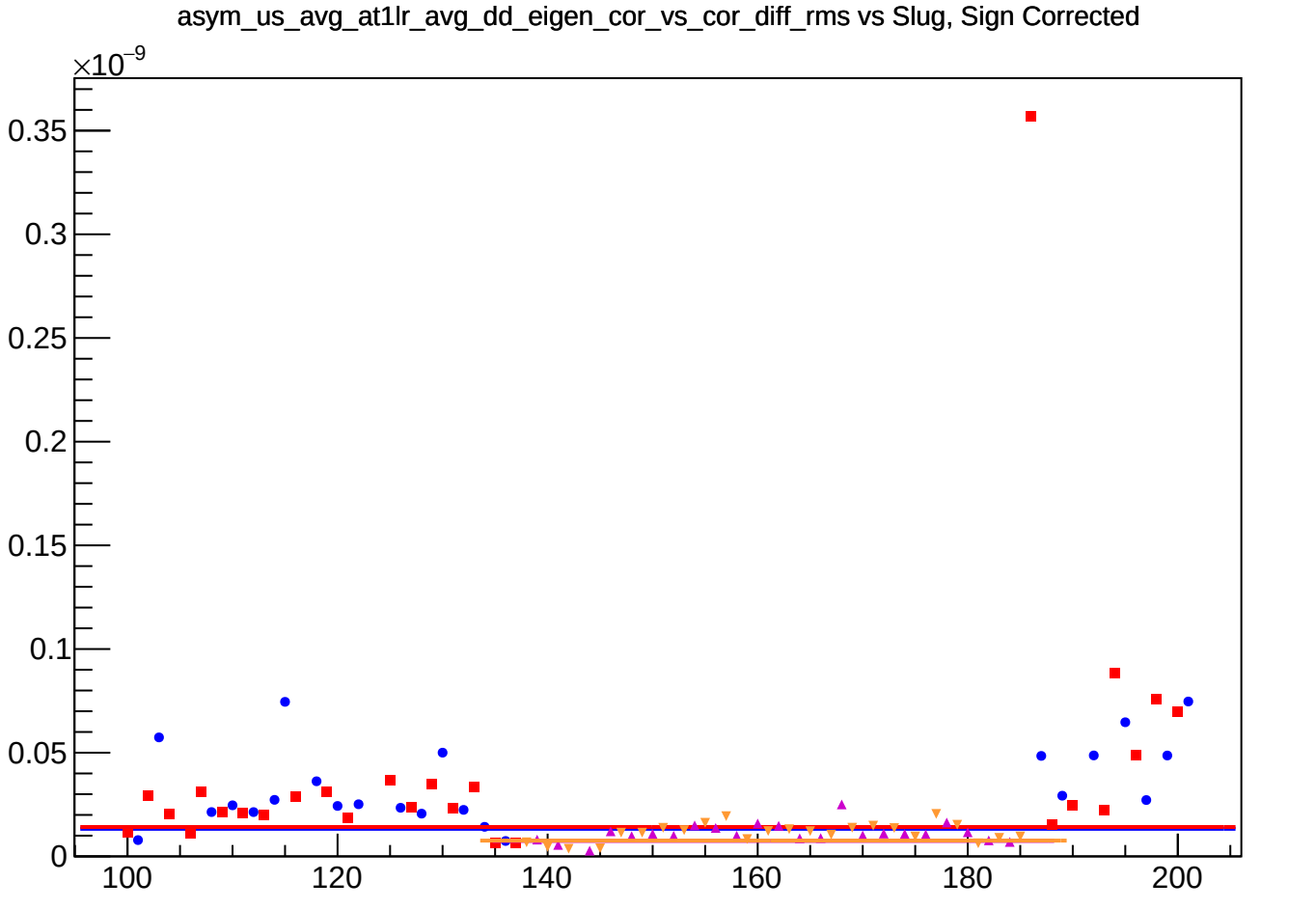
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

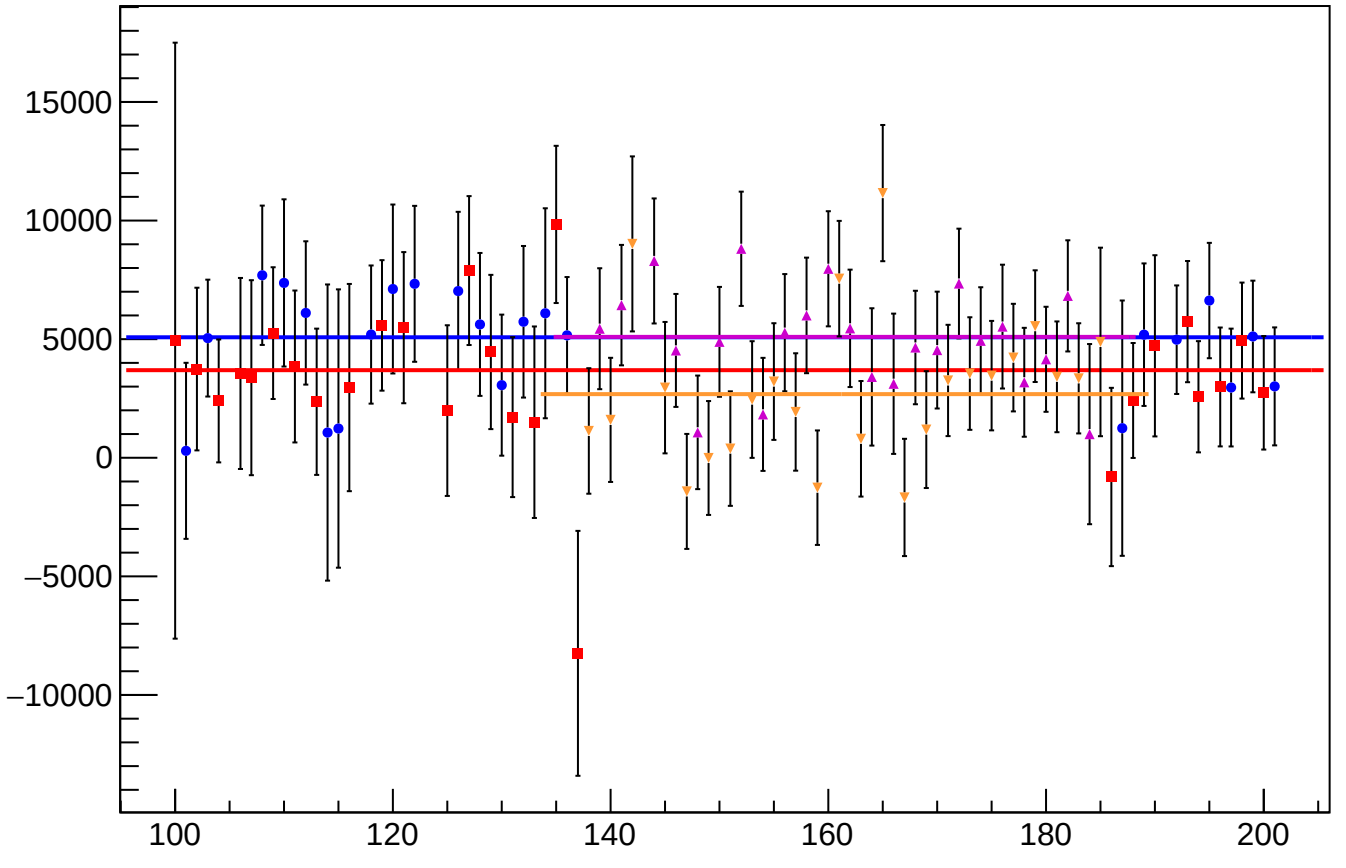
Right: 0.000+/-0.000 χ^2/NDF: 32.5/48

In: -0.000+/-0.000 χ^2/NDF:29.2/45

Out: 0.000+/-0.000 χ^2/NDF:44.4/49

All: -0.000+/-0.000 χ^2/NDF: 75.4/95


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: 6016496.9/25
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: 11861994.1/48
In: 0.000+/-0.000 χ²/NDF:13230592.9/45
Out: 0.000+/-0.000 χ²/NDF:13266746.4/49
All: 0.000+/-0.000 χ²/NDF: 26505511.3/95



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: 3692.518+/-611.560 χ^2/NDF: 16.2/25

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

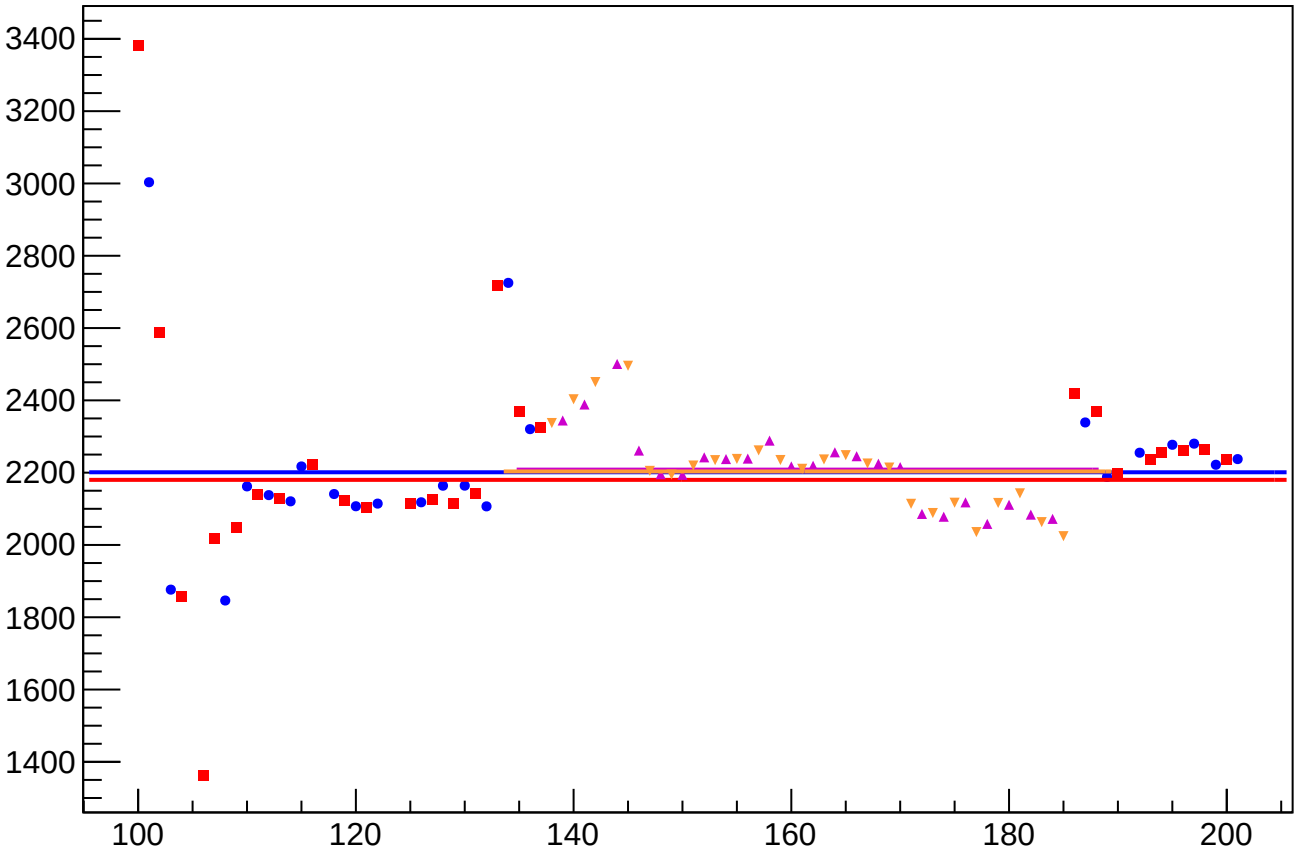
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4366.027+/-438.604 χ^2/NDF: 26.6/48

In: 5089.563+/-399.142 χ^2/NDF:22.8/45

Out: 3098.944+/-392.590 χ^2/NDF:48.7/49

All: 4077.781+/-279.891 χ^2/NDF: 84.1/95



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: 2180.052+/-0.428 χ^2/NDF: 311659.4/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

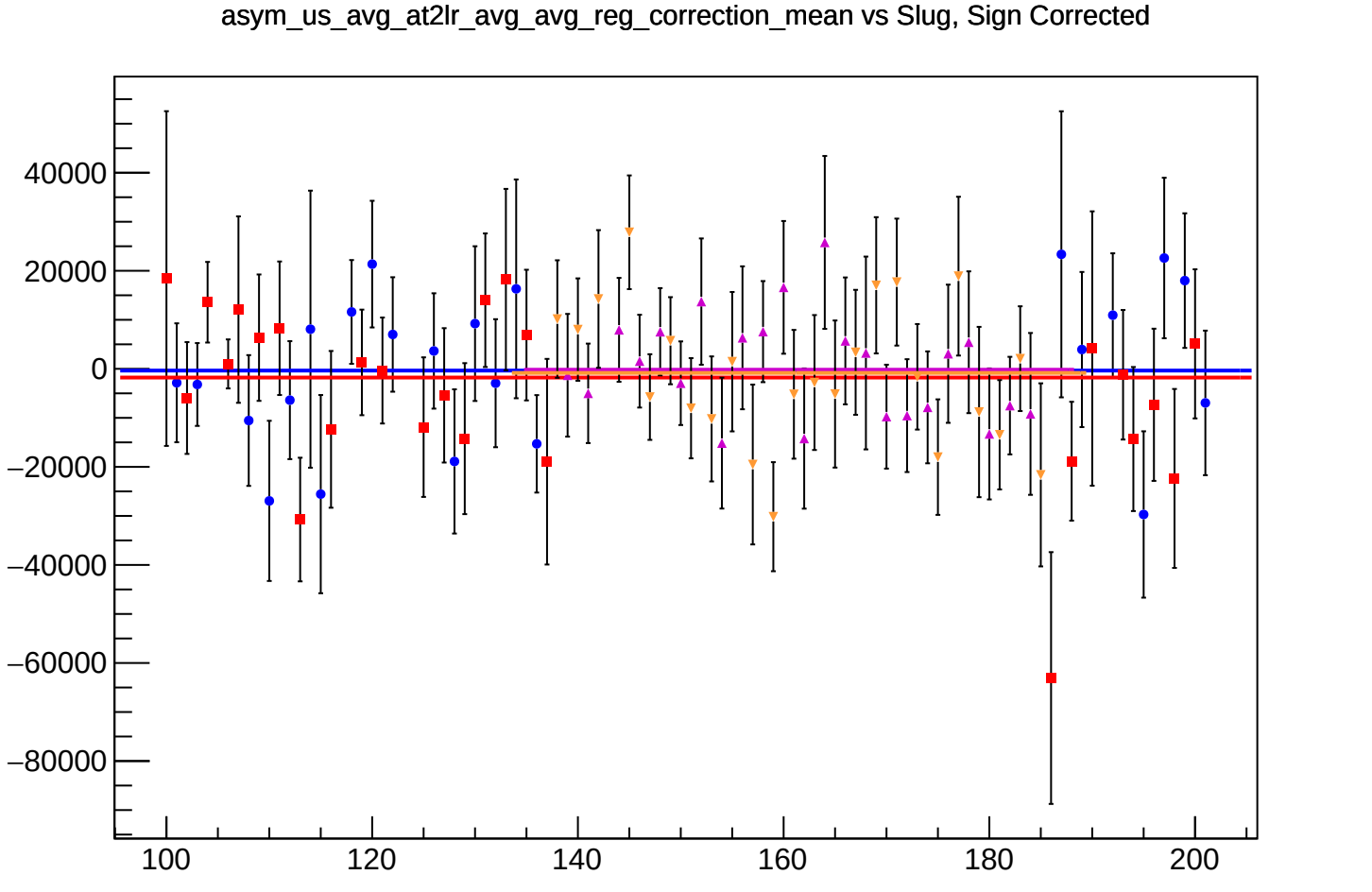
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2190.161+/-0.309 χ^2/NDF: 518689.0/48

In: 2205.438+/-0.282 χ^2/NDF:287028.3/45

Out: 2193.614+/-0.277 χ^2/NDF:401584.7/49

All: 2199.405+/-0.198 χ^2/NDF: 689508.5/95



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: -1776.909+/-2446.681 χ^2/NDF: 26.5/25

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

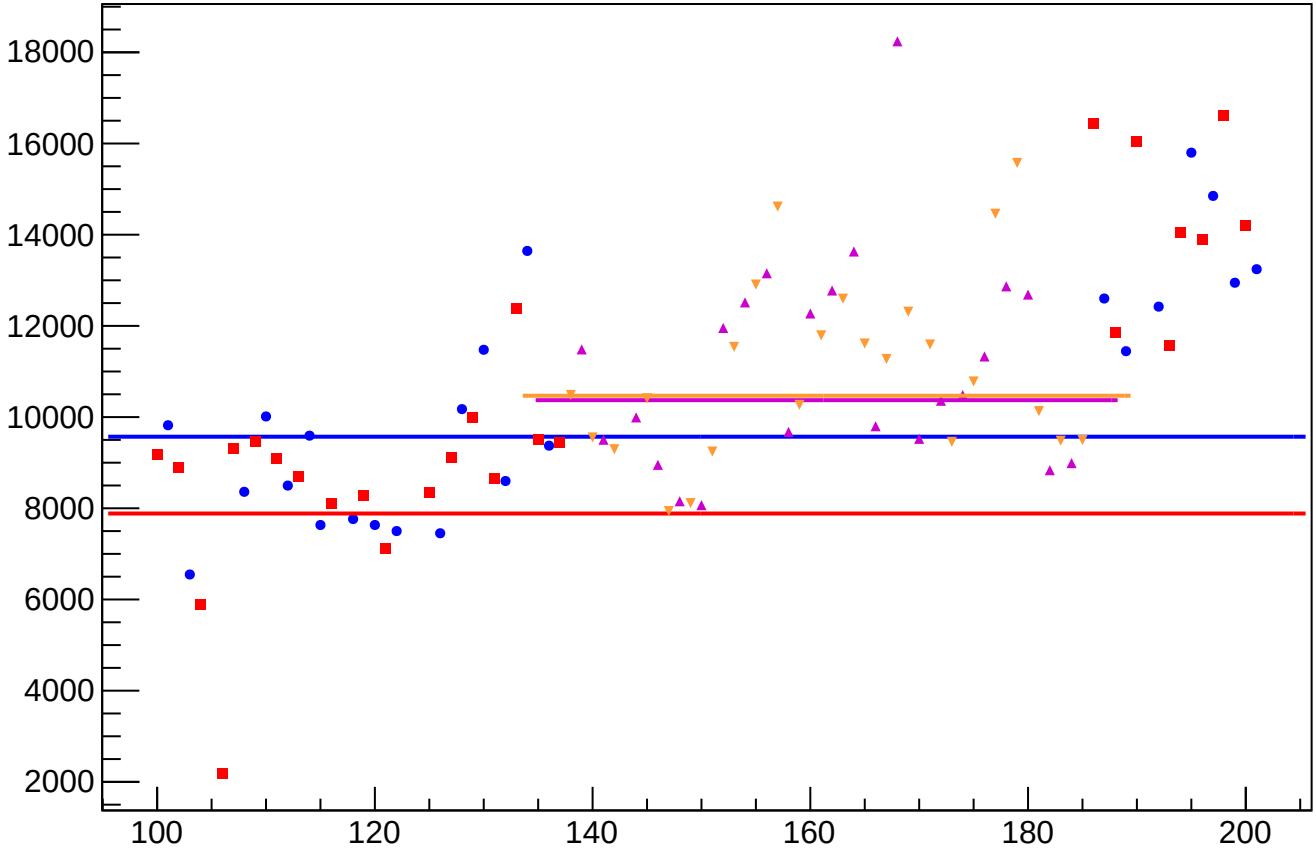
Right: -1166.890+/-1848.880 χ^2/NDF: 49.8/48

In: -257.228+/-1859.403 χ^2/NDF:37.0/45

Out: -1311.856+/-1742.234 χ^2/NDF:56.0/49

All: -818.815+/-1271.351 χ^2/NDF: 93.1/95

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9569.873+/-1.996 χ^2/NDF: 1525818.1/22

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7885.319+/-1.730 χ^2/NDF: 5255019.9/25

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

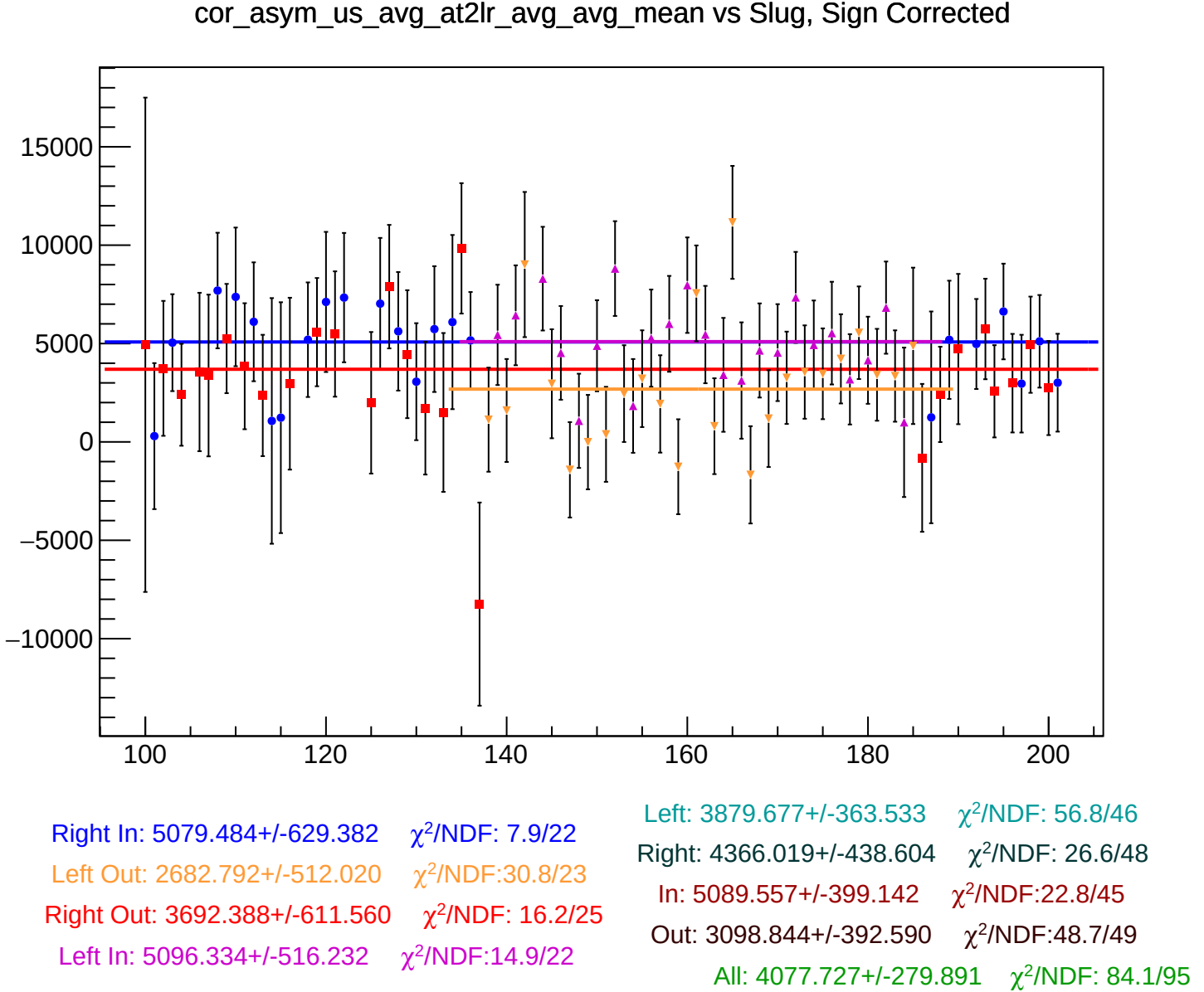
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8607.934+/-1.307 χ^2/NDF: 7187531.0/48

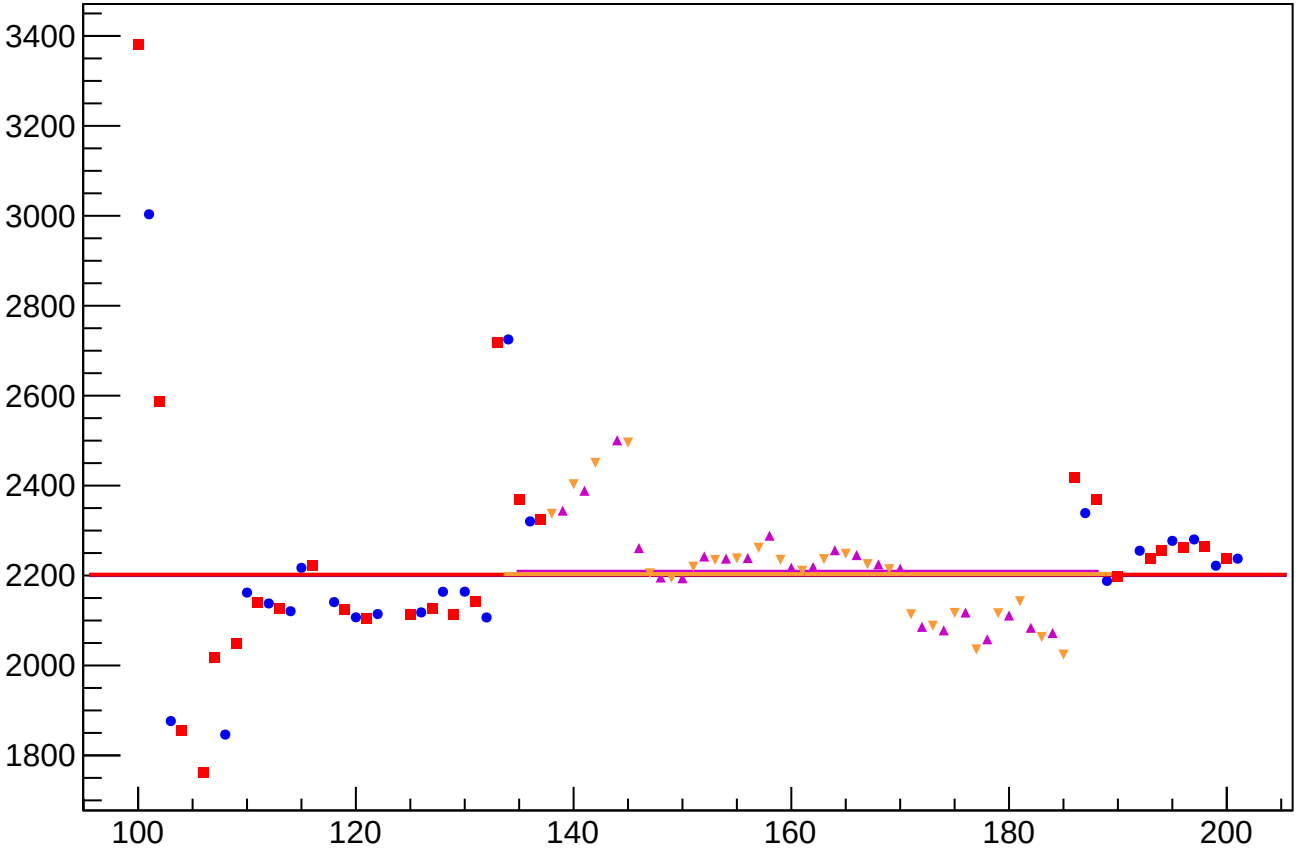
In: 10023.363+/-1.315 χ^2/NDF:2820744.9/45

Out: 9158.763+/-1.232 χ^2/NDF:7399383.2/49

All: 9562.966+/-0.899 χ^2/NDF: 10450394.7/9


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: 3692.388+/-611.560 χ²/NDF: 16.2/25
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4366.019+/-438.604 χ²/NDF: 26.6/48
In: 5089.557+/-399.142 χ²/NDF:22.8/45
Out: 3098.844+/-392.590 χ²/NDF:48.7/49
All: 4077.727+/-279.891 χ²/NDF: 84.1/95

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

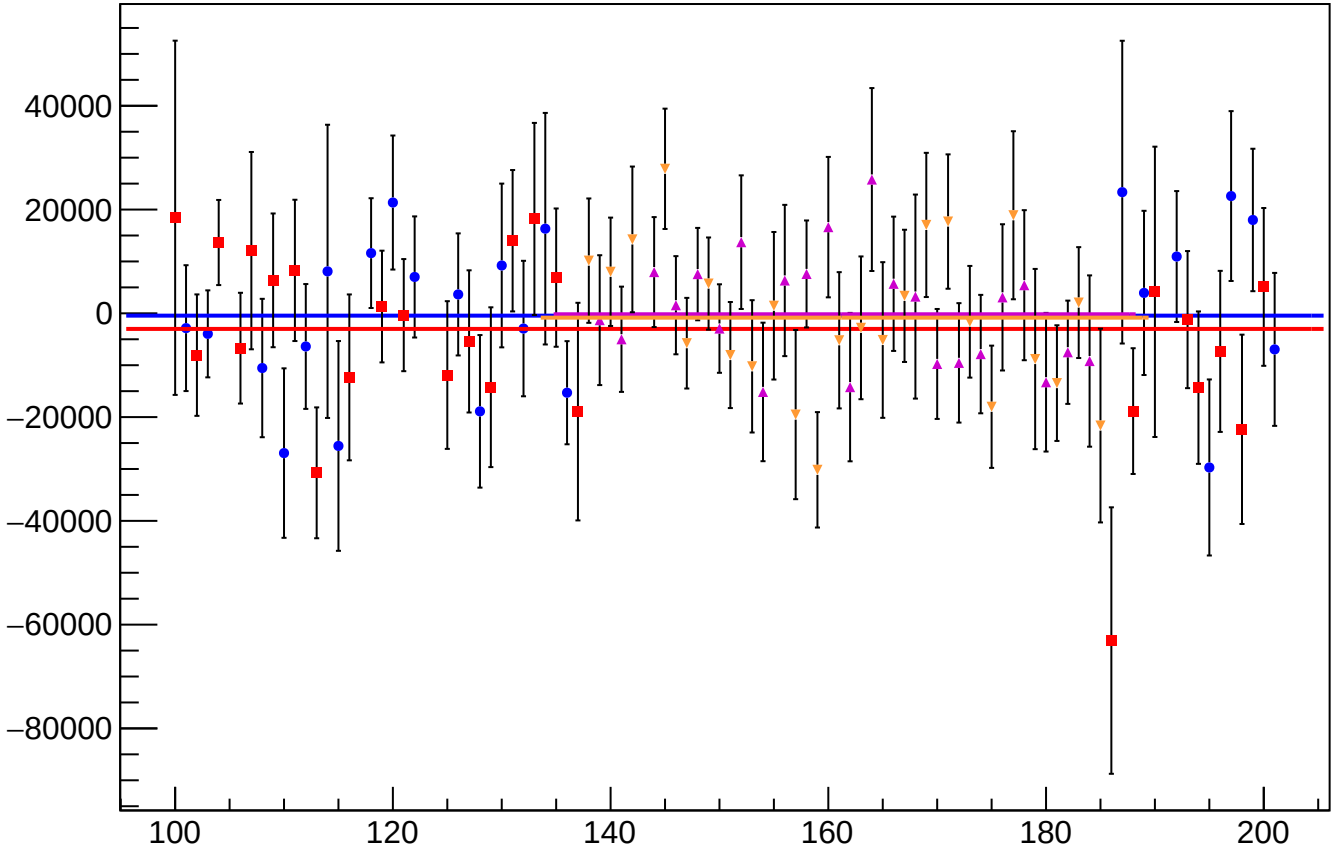
Right: 2201.498+/-0.310 χ^2/NDF: 393375.8/48

In: 2205.438+/-0.282 χ^2/NDF:287028.7/45

Out: 2202.721+/-0.277 χ^2/NDF:275715.5/49

All: 2204.055+/-0.198 χ^2/NDF: 562791.3/95

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: -3003.607+/-2716.560 χ^2/NDF: 26.4/25

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

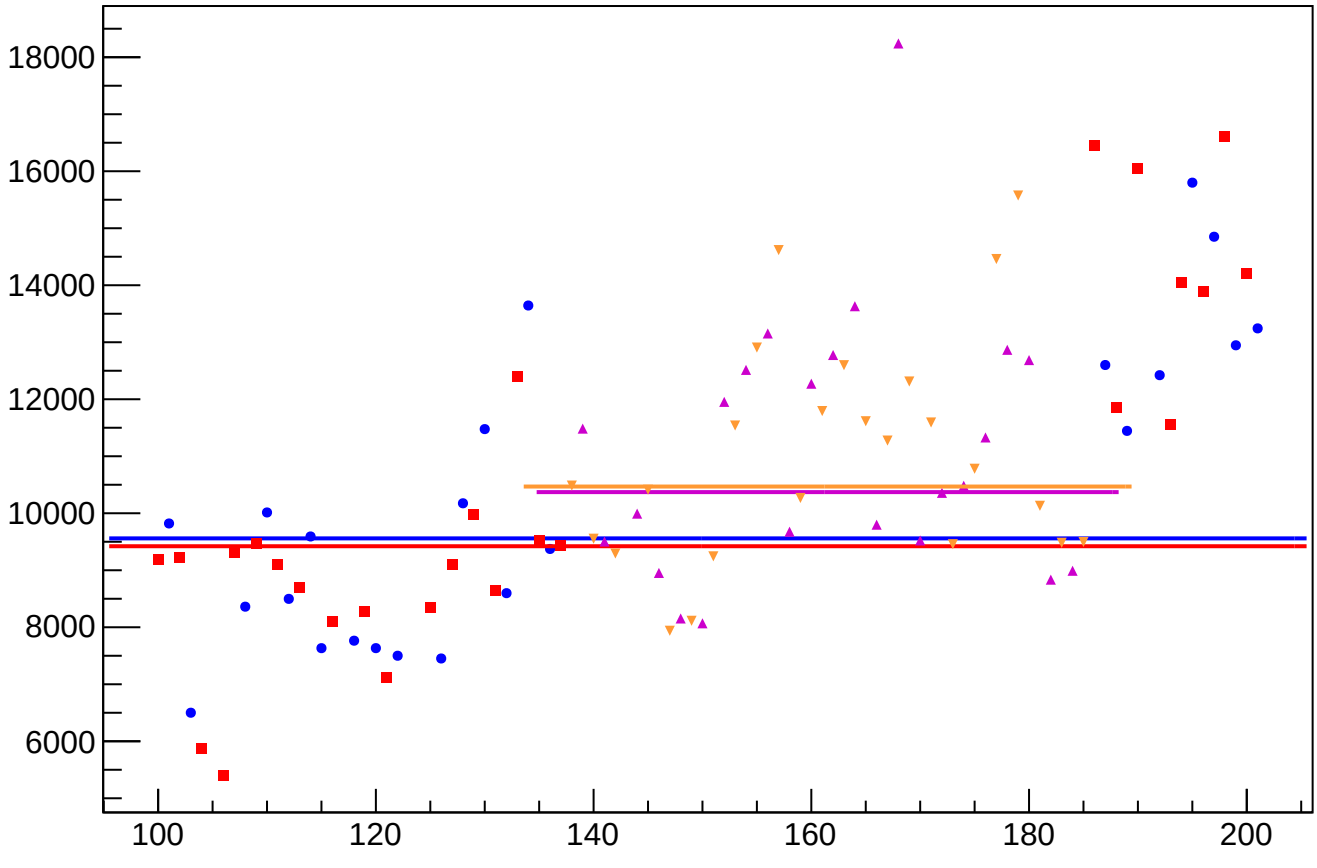
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: -1772.862+/-1956.610 χ^2/NDF: 50.1/48

In: -296.916+/-1858.709 χ^2/NDF:37.0/45

Out: -1820.583+/-1832.149 χ^2/NDF:56.2/49

All: -1069.714+/-1304.814 χ^2/NDF: 93.5/95



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: 9421.511+/-1.921 χ^2/NDF: 2133244.7/25

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

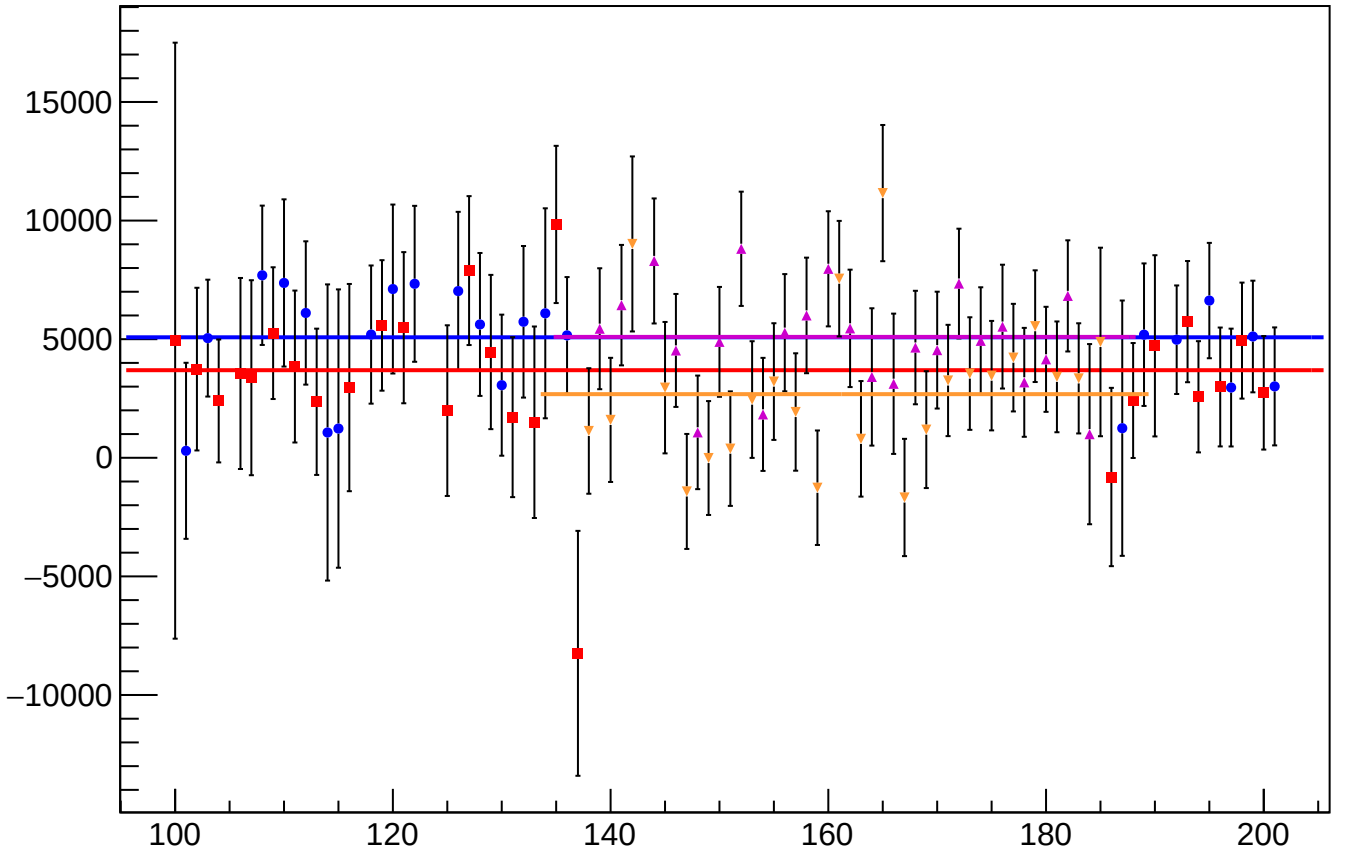
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9487.826+/-1.384 χ^2/NDF: 3673631.2/48

In: 10018.434+/-1.314 χ^2/NDF:2835351.3/45

Out: 9992.357+/-1.296 χ^2/NDF:3340507.1/49

All: 10005.208+/-0.923 χ^2/NDF: 6176058.0/9



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: 3692.388+/-611.560 χ^2/NDF: 16.2/25

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

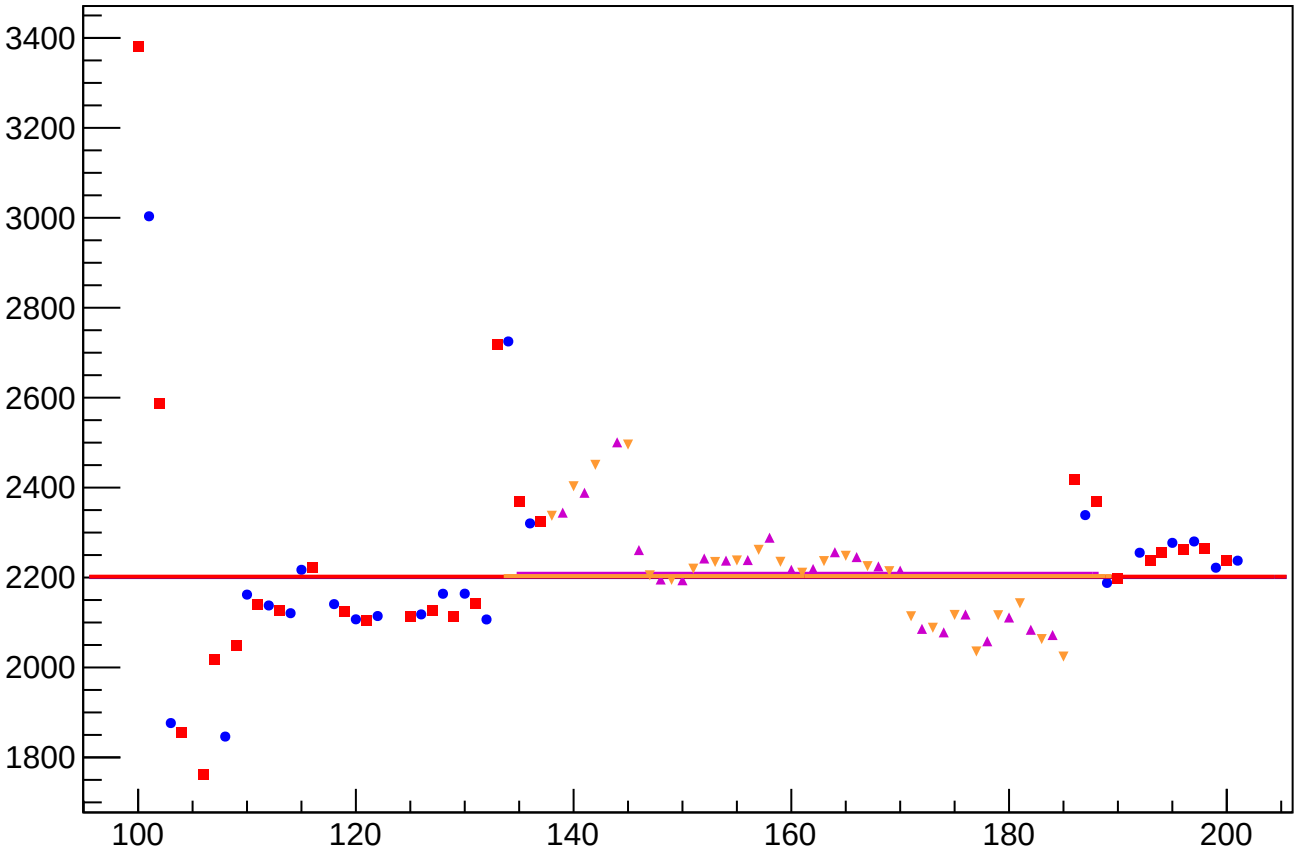
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4366.019+/-438.604 χ^2/NDF: 26.6/48

In: 5089.557+/-399.142 χ^2/NDF:22.8/45

Out: 3098.844+/-392.590 χ^2/NDF:48.7/49

All: 4077.727+/-279.891 χ^2/NDF: 84.1/95



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: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

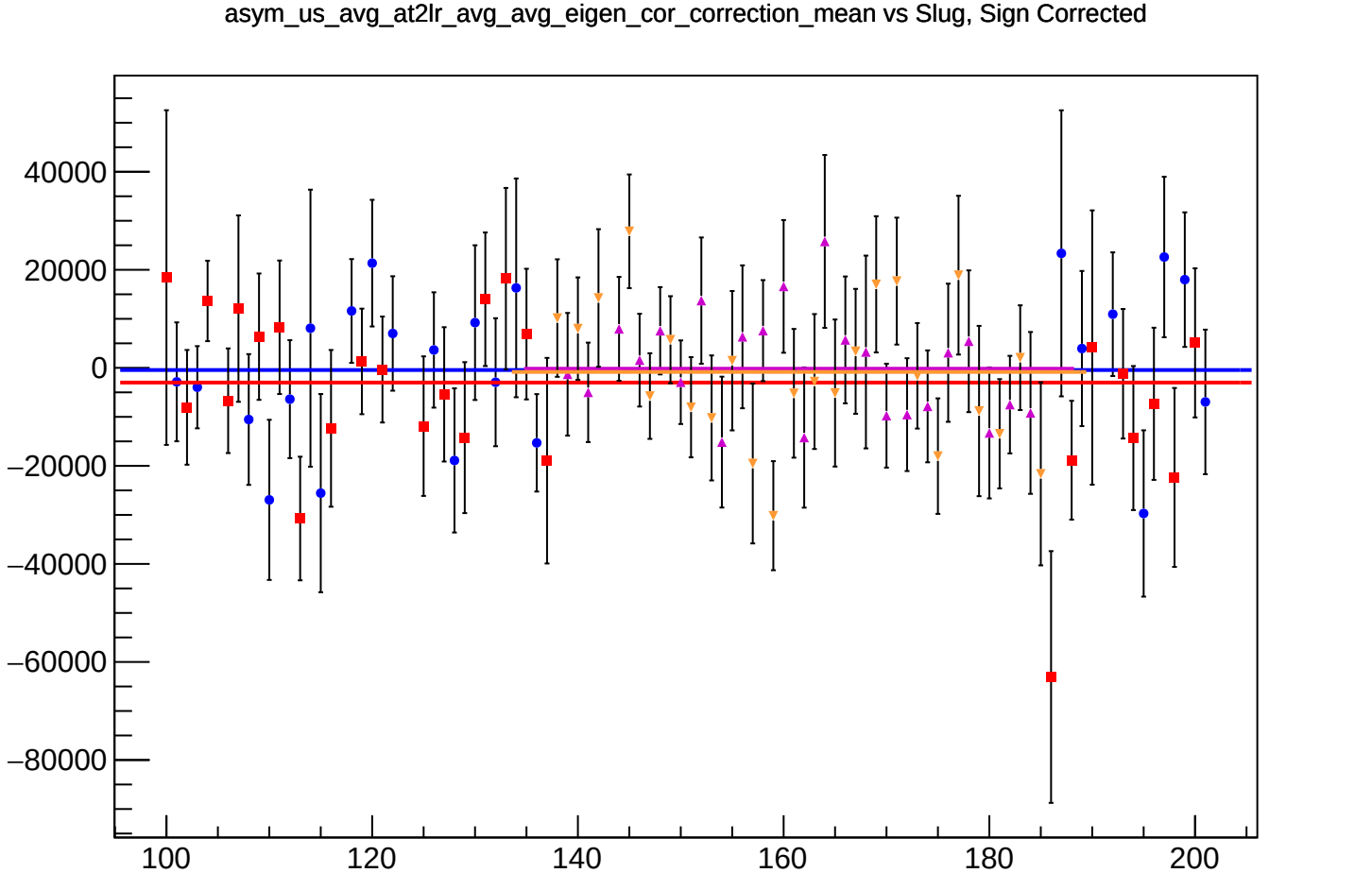
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

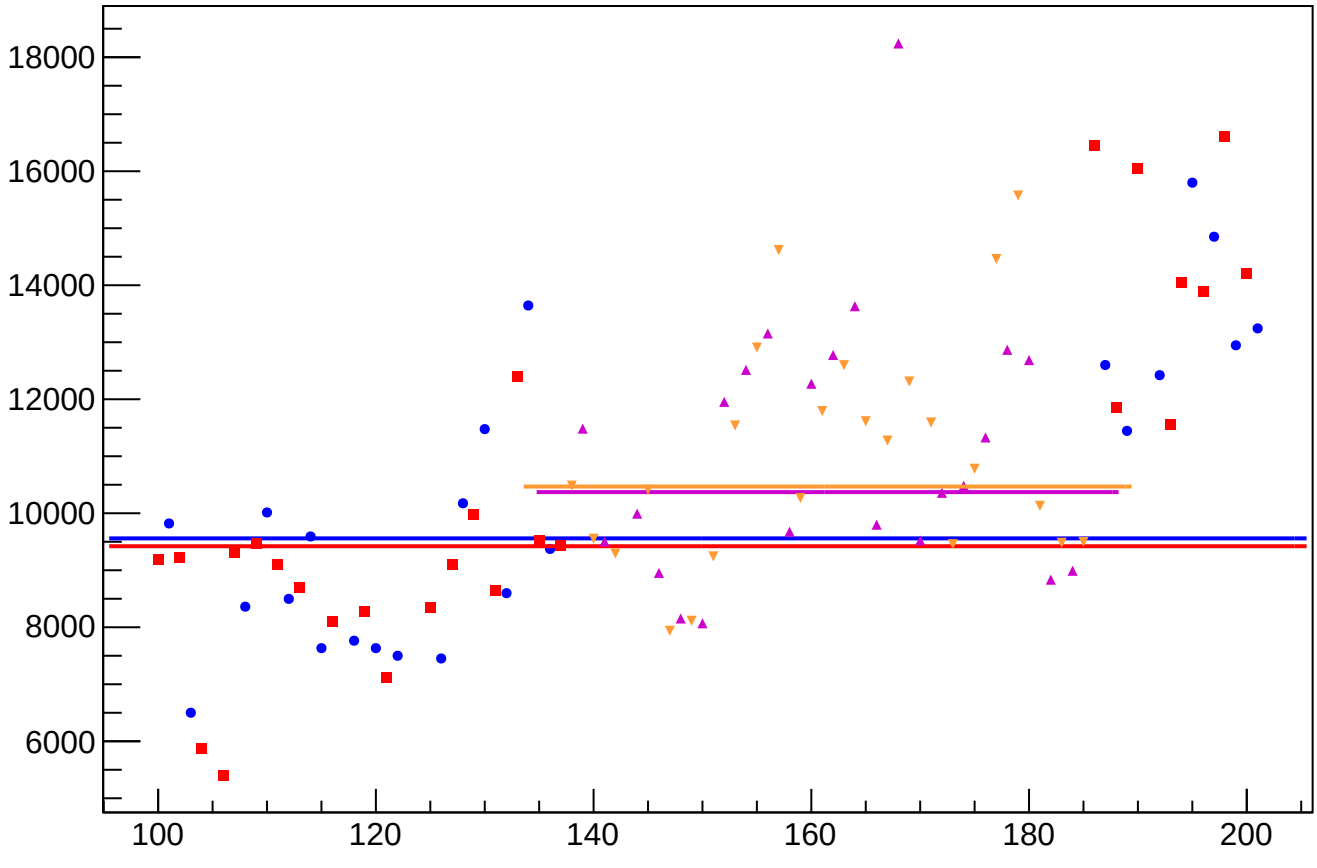
Right: 2201.498+/-0.310 χ^2/NDF: 393375.8/48

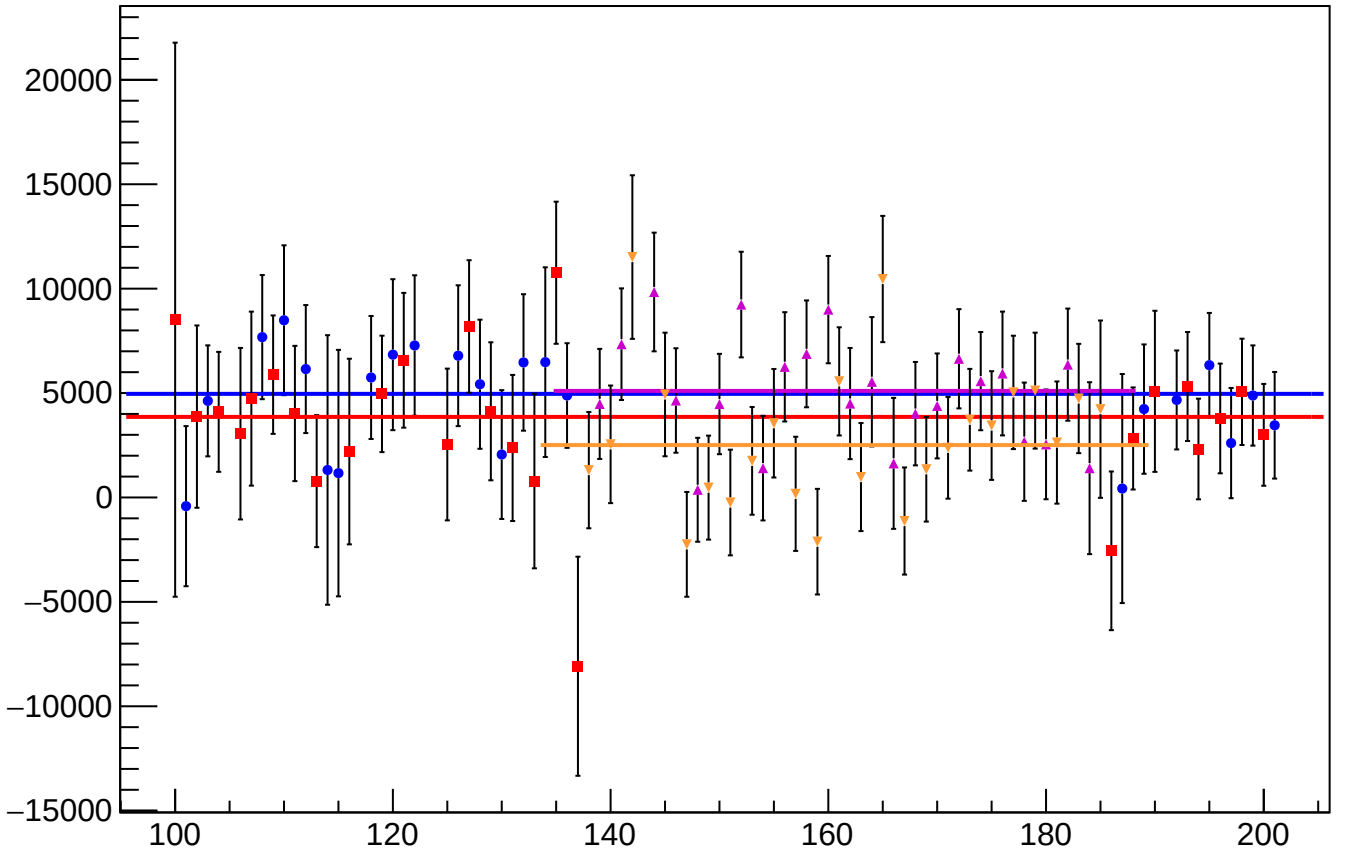
In: 2205.438+/-0.282 χ^2/NDF:287028.7/45

Out: 2202.721+/-0.277 χ^2/NDF:275715.5/49

All: 2204.055+/-0.198 χ^2/NDF: 562791.3/95


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -446.142+/-2820.493 χ²/NDF: 23.3/22
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3003.607+/-2716.560 χ²/NDF: 26.4/25
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1772.862+/-1956.610 χ²/NDF: 50.1/48
In: -296.916+/-1858.709 χ²/NDF:37.0/45
Out: -1820.583+/-1832.149 χ²/NDF:56.2/49
All: -1069.714+/-1304.814 χ²/NDF: 93.5/95


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9559.312+/-1.994 χ²/NDF: 1537909.9/22
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9421.511+/-1.921 χ²/NDF: 2133244.7/25
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9487.826+/-1.384 χ²/NDF: 3673631.2/48
In: 10018.434+/-1.314 χ²/NDF:2835351.3/45
Out: 9992.357+/-1.296 χ²/NDF:3340507.1/49
All: 10005.208+/-0.923 χ²/NDF: 6176058.0/9



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: 3858.321+/-631.269 χ^2/NDF: 18.9/25

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

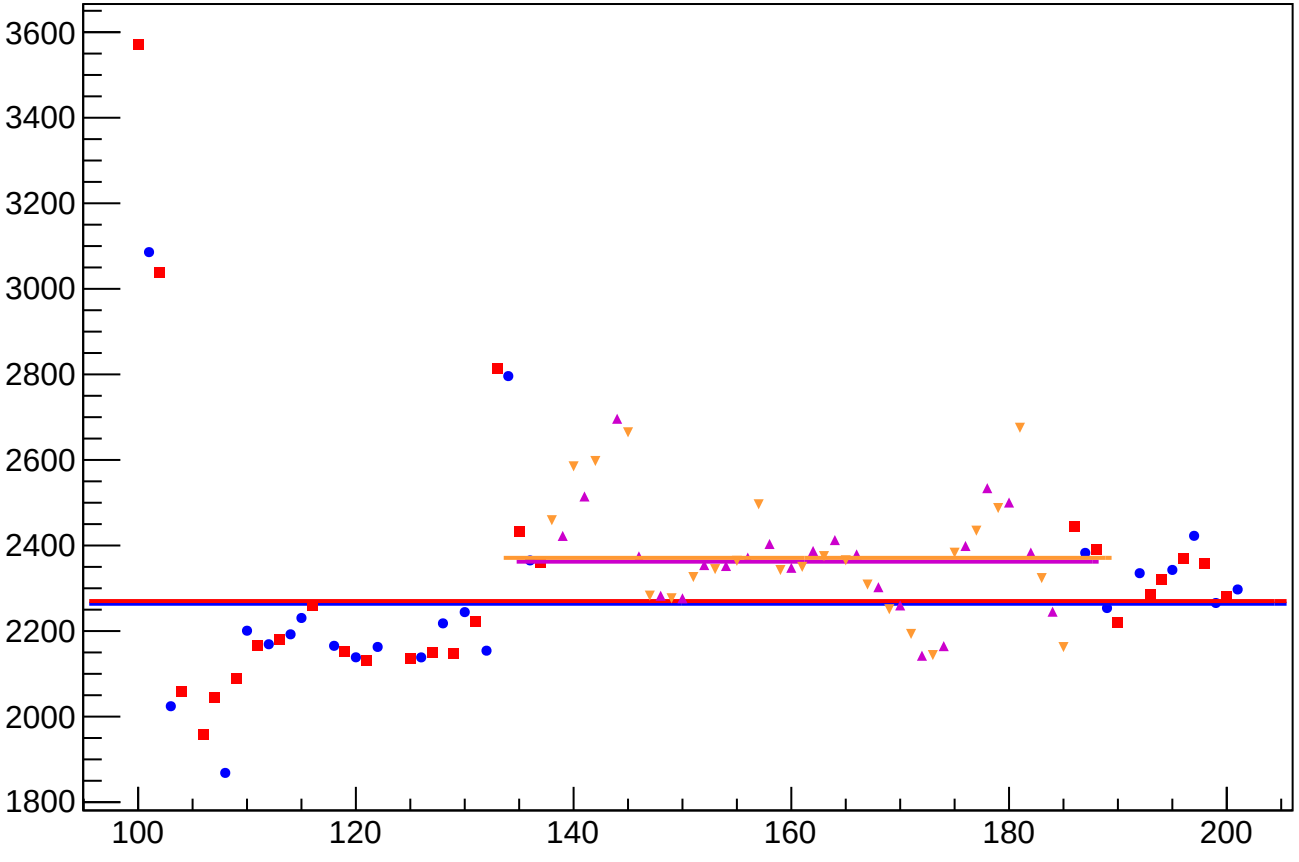
Right: 4395.993+/-452.031 χ^2/NDF: 29.6/48

In: 5043.505+/-420.348 χ^2/NDF:29.1/45

Out: 3093.178+/-415.370 χ^2/NDF:51.3/49

All: 4056.724+/-295.455 χ^2/NDF: 91.3/95

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: 2270.137+/-0.446 χ^2/NDF: 192286.1/25

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

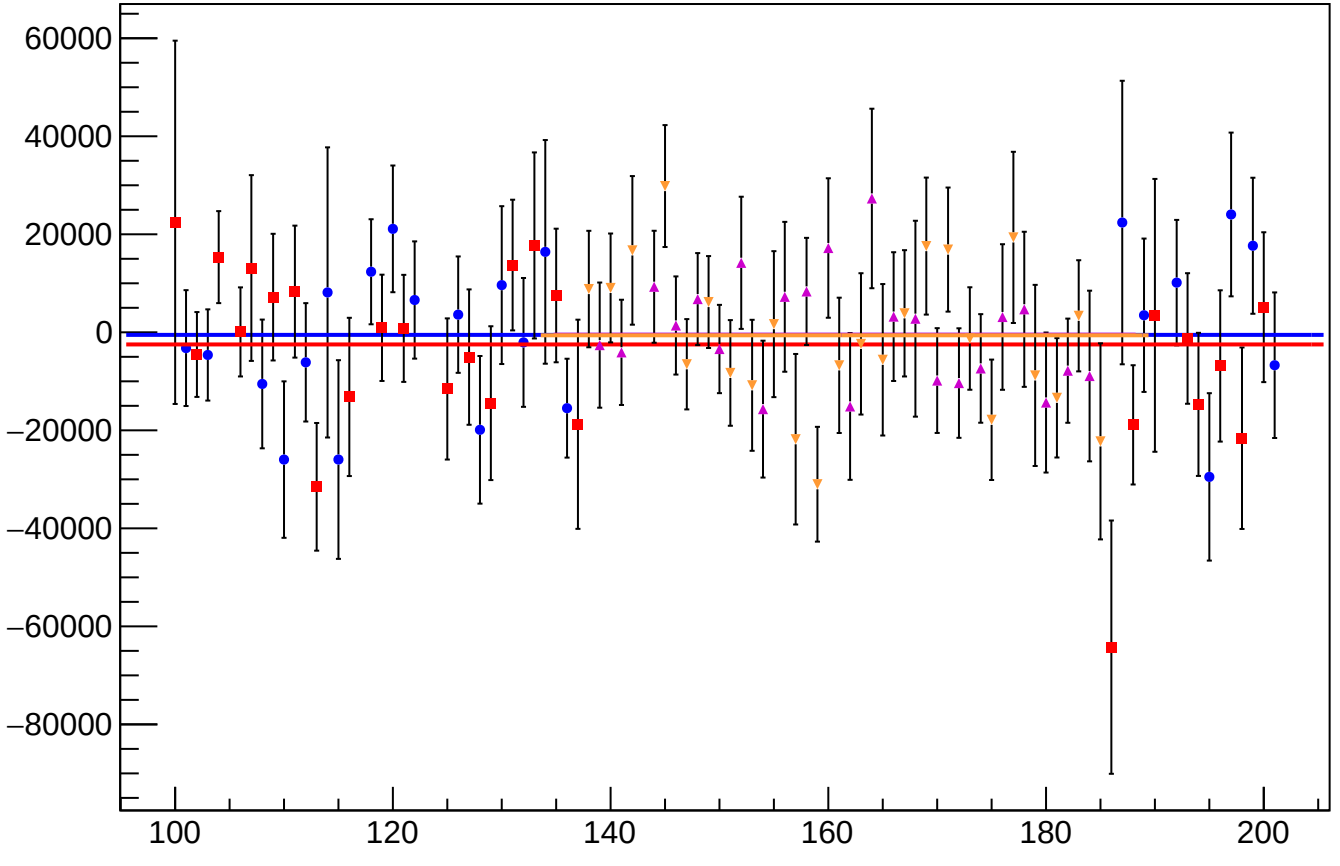
Right: 2267.078+/-0.320 χ^2/NDF: 393846.2/48

In: 2320.774+/-0.297 χ^2/NDF:320061.0/45

Out: 2327.391+/-0.294 χ^2/NDF:337625.0/49

All: 2324.123+/-0.209 χ^2/NDF: 657936.8/95

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -523.865+/-2868.370 χ^2/NDF: 23.1/22

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2475.307+/-2674.548 χ^2/NDF: 26.1/25

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

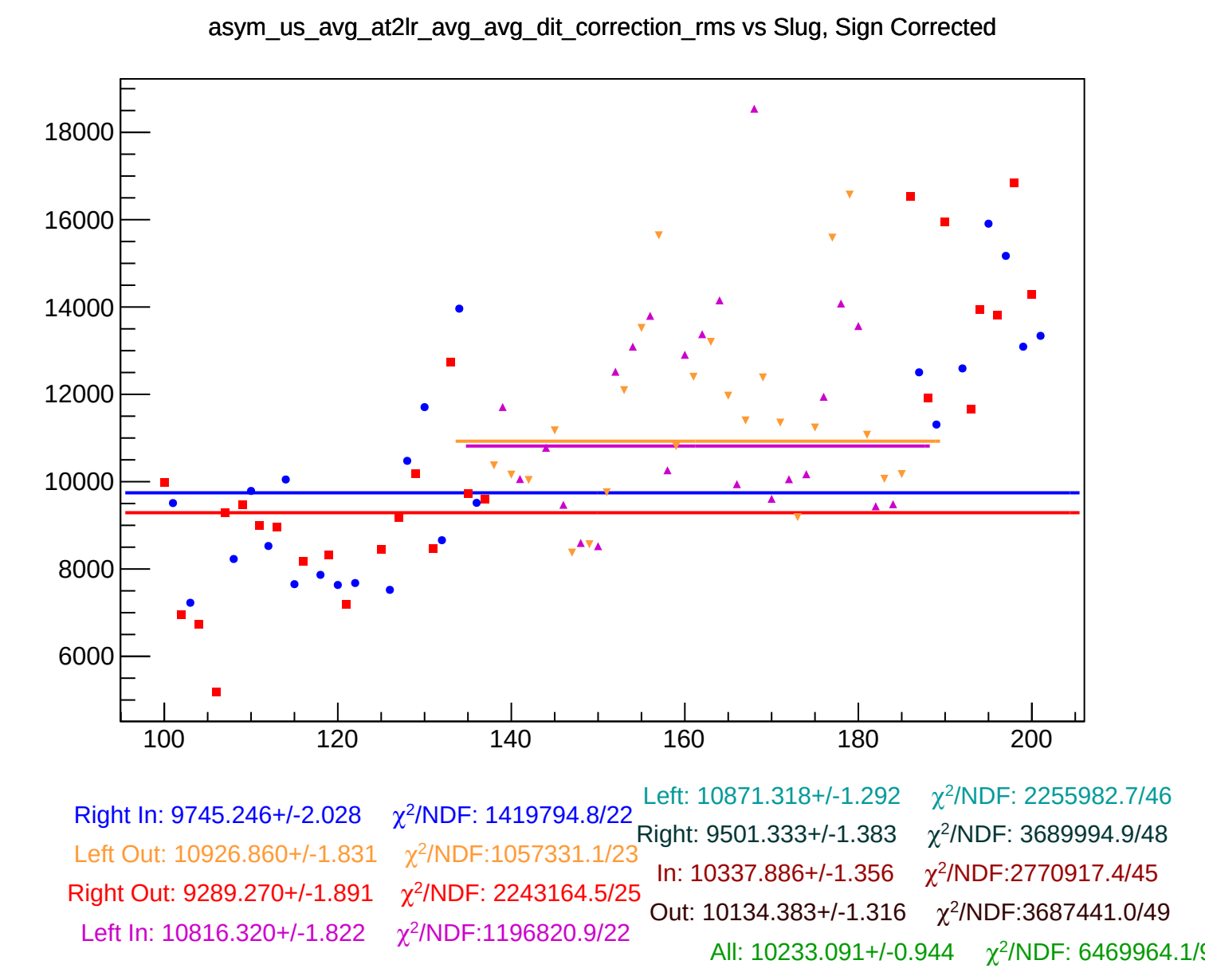
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

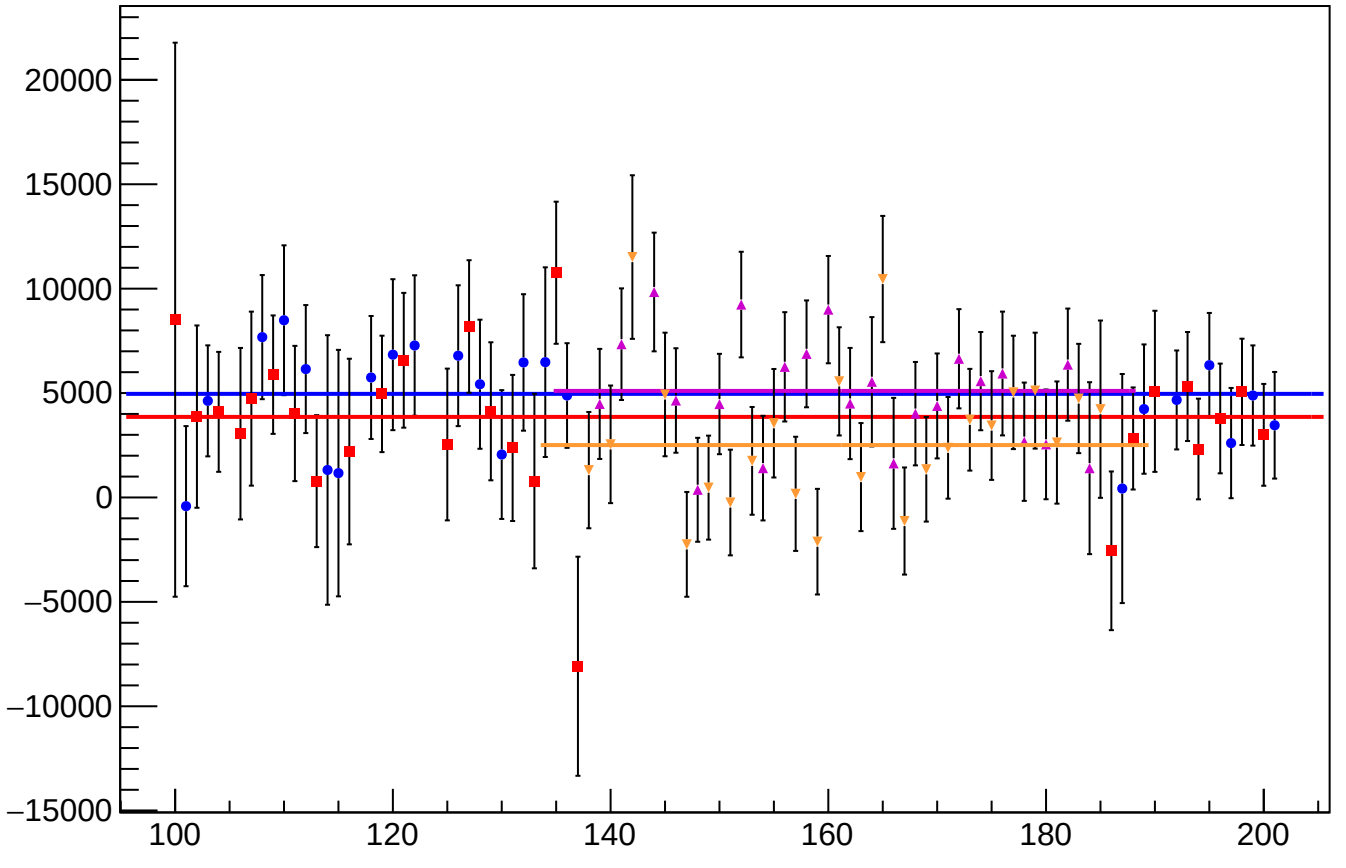
Right: -1567.740+/-1956.126 χ^2/NDF: 49.4/48

In: -505.151+/-1917.062 χ^2/NDF:36.6/45

Out: -1511.790+/-1860.549 χ^2/NDF:55.2/49

All: -1023.527+/-1335.139 χ^2/NDF: 92.0/95


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9745.246+/-2.028 χ²/NDF: 1419794.8/22
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 9289.270+/-1.891 χ²/NDF: 2243164.5/25
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 9501.333+/-1.383 χ²/NDF: 3689994.9/48
In: 10337.886+/-1.356 χ²/NDF:2770917.4/45
Out: 10134.383+/-1.316 χ²/NDF:3687441.0/49
All: 10233.091+/-0.944 χ²/NDF: 6469964.1/9



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: 3858.322+/-631.269 χ^2/NDF: 18.9/25

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

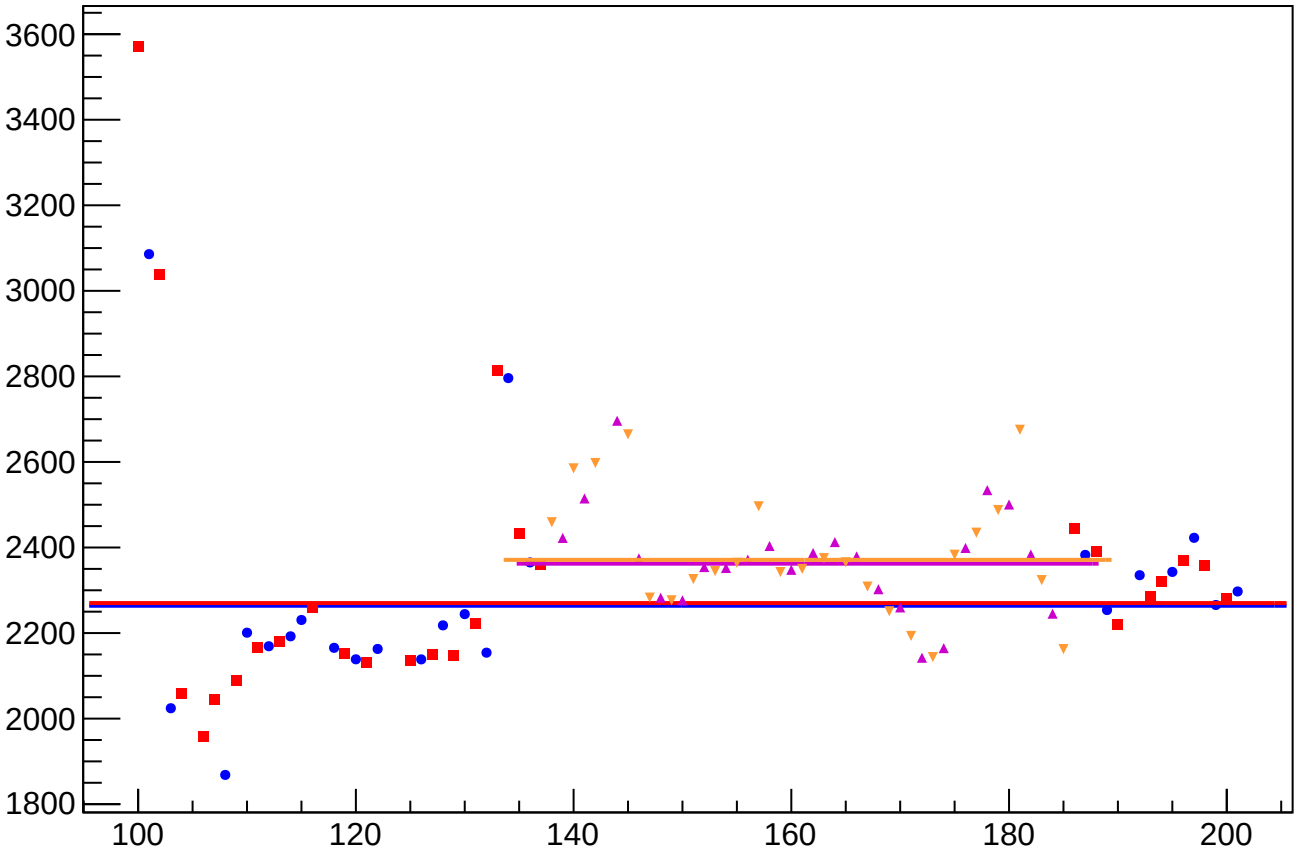
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4395.992+/-452.031 χ^2/NDF: 29.6/48

In: 5043.505+/-420.348 χ^2/NDF:29.1/45

Out: 3093.172+/-415.370 χ^2/NDF:51.3/49

All: 4056.721+/-295.455 χ^2/NDF: 91.3/95



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: 2270.137+/-0.446 χ^2/NDF: 192286.4/25

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

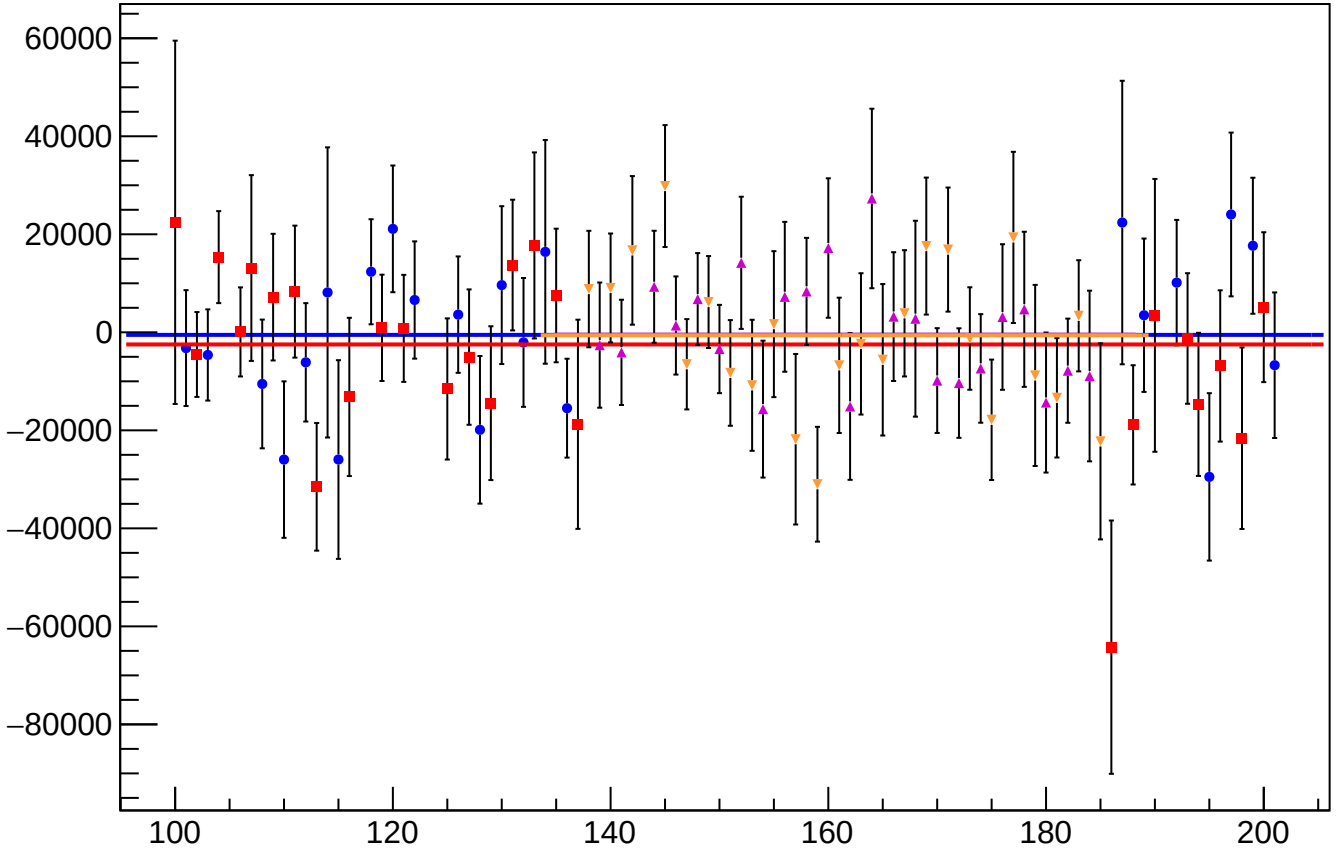
Right: 2267.077+/-0.320 χ^2/NDF: 393846.9/48

In: 2320.776+/-0.297 χ^2/NDF:320068.0/45

Out: 2327.393+/-0.294 χ^2/NDF:337631.5/49

All: 2324.124+/-0.209 χ^2/NDF: 657950.4/95

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -523.854+/-2868.366 χ^2/NDF: 23.1/22

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2475.293+/-2674.544 χ^2/NDF: 26.1/25

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

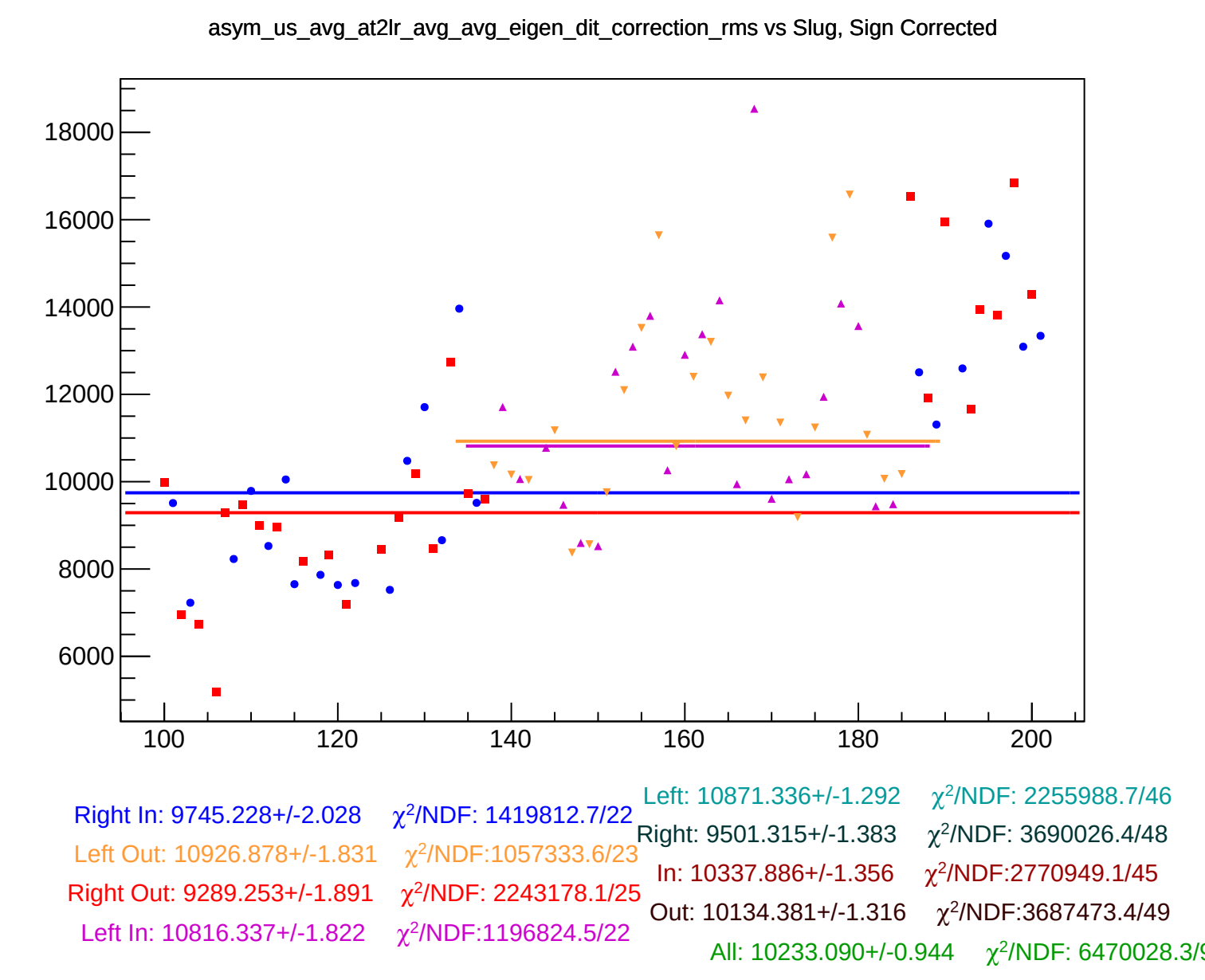
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

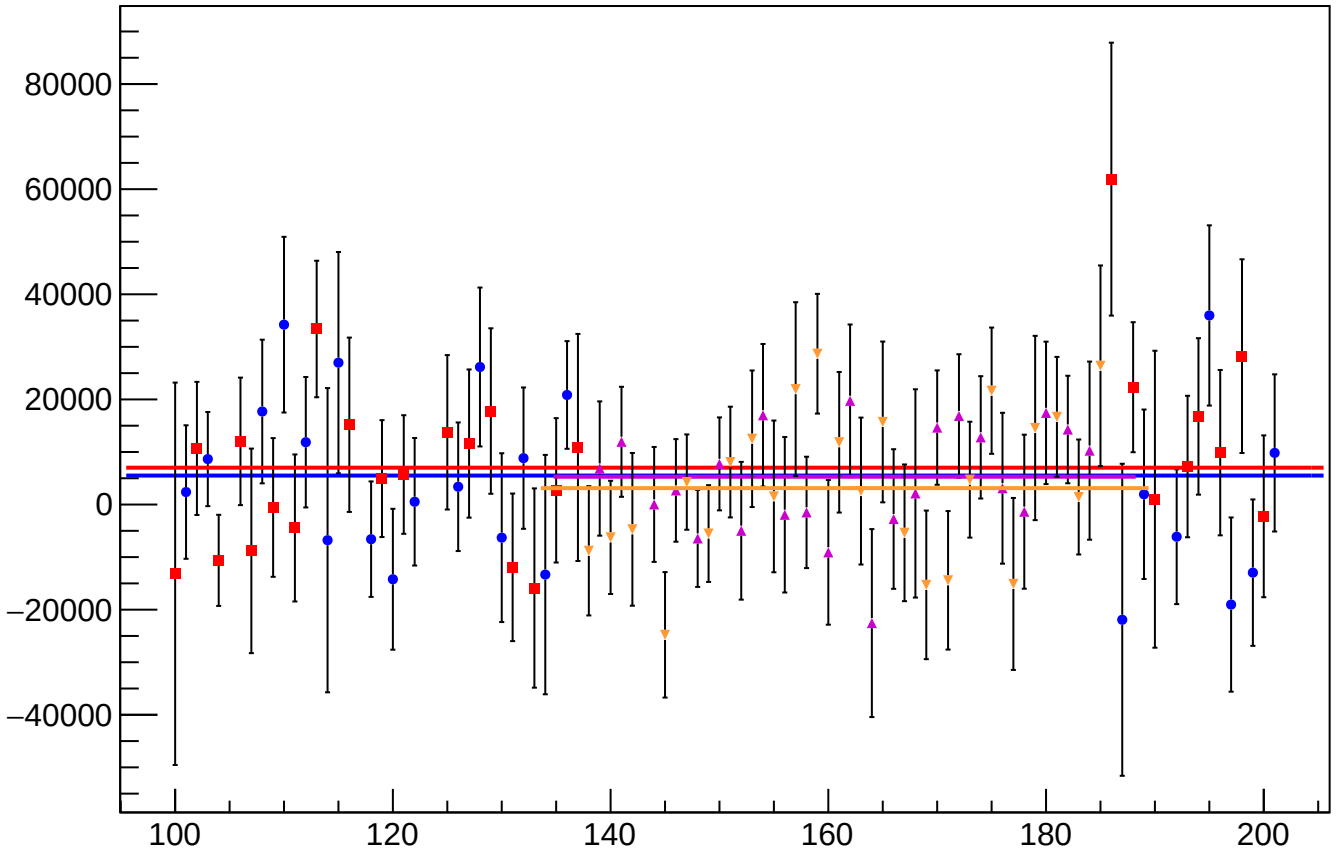
Right: -1567.727+/-1956.123 χ^2/NDF: 49.4/48

In: -505.148+/-1917.063 χ^2/NDF:36.6/45

Out: -1511.790+/-1860.549 χ^2/NDF:55.2/49

All: -1023.525+/-1335.139 χ^2/NDF: 92.0/95


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9745.228+/-2.028 χ²/NDF: 1419812.7/22
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 9289.253+/-1.891 χ²/NDF: 2243178.1/25
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 9501.315+/-1.383 χ²/NDF: 3690026.4/48
In: 10337.886+/-1.356 χ²/NDF:2770949.1/45
Out: 10134.381+/-1.316 χ²/NDF:3687473.4/49
All: 10233.090+/-0.944 χ²/NDF: 6470028.3/9



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: 7012.004+/-2821.424 χ^2/NDF: 23.2/25

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

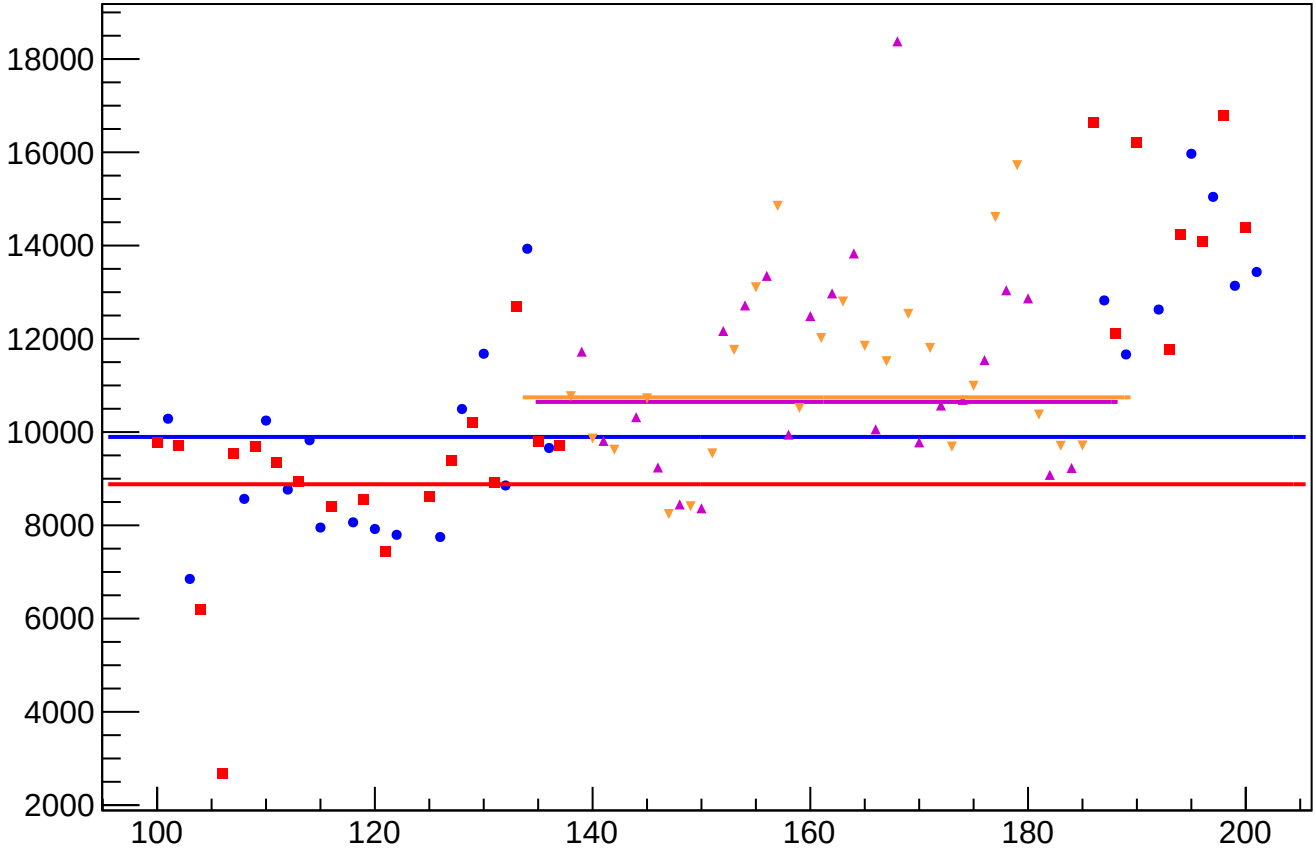
Right: 6287.414+/-2026.578 χ^2/NDF: 46.6/48

In: 5387.353+/-1911.368 χ^2/NDF:36.6/45

Out: 4863.970+/-1888.899 χ^2/NDF:51.7/49

All: 5122.567+/-1343.527 χ^2/NDF: 88.4/95

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 9895.859+/-2.060 χ^2/NDF: 1409121.1/22

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 8881.319+/-1.884 χ^2/NDF: 3703433.0/25

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

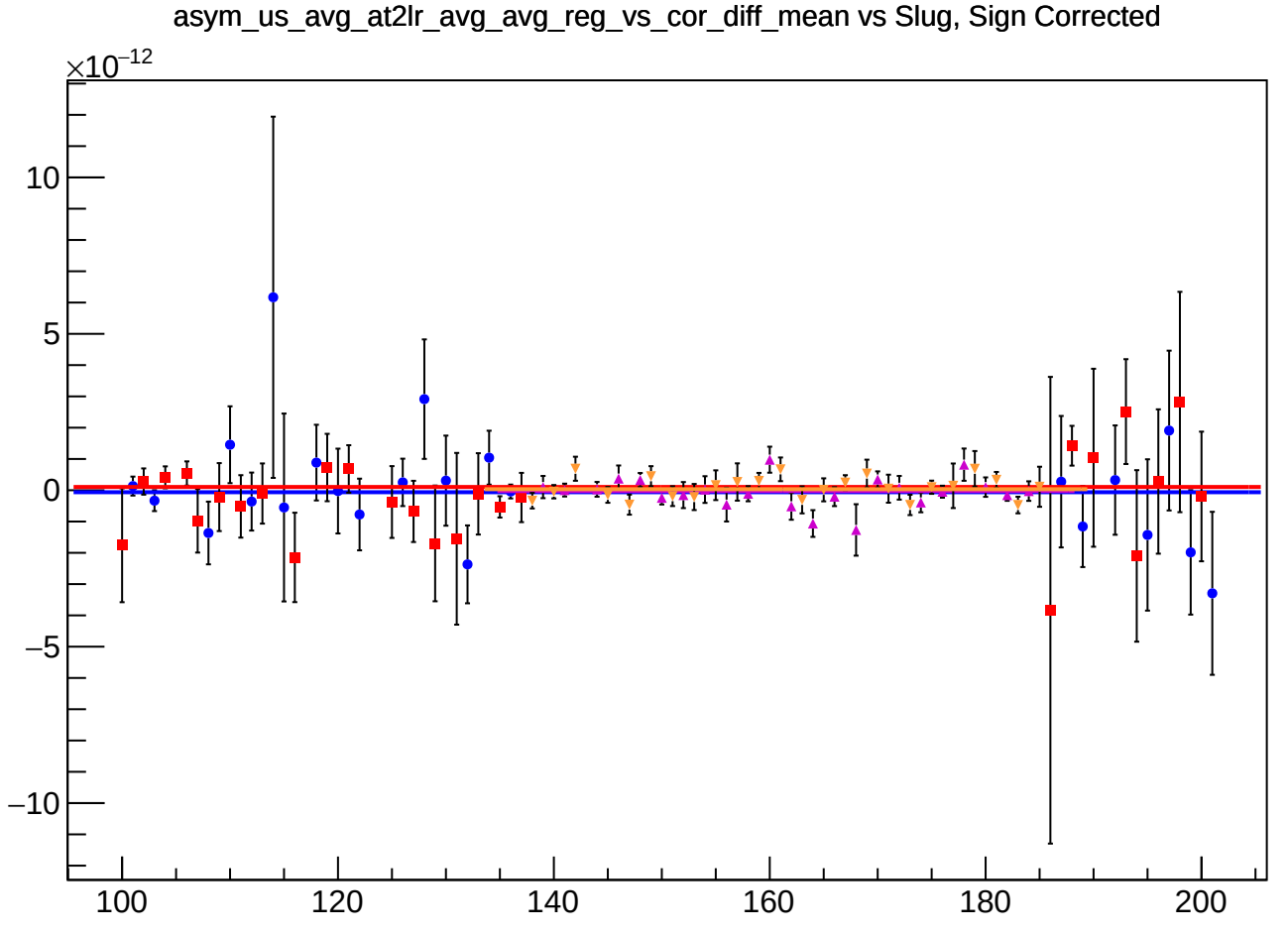
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 9343.442+/-1.390 χ^2/NDF: 5244670.5/48

In: 10323.259+/-1.352 χ^2/NDF:2598811.7/45

Out: 9856.704+/-1.301 χ^2/NDF:5180387.3/49

All: 10081.039+/-0.937 χ^2/NDF: 7841066.1/9



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/25

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

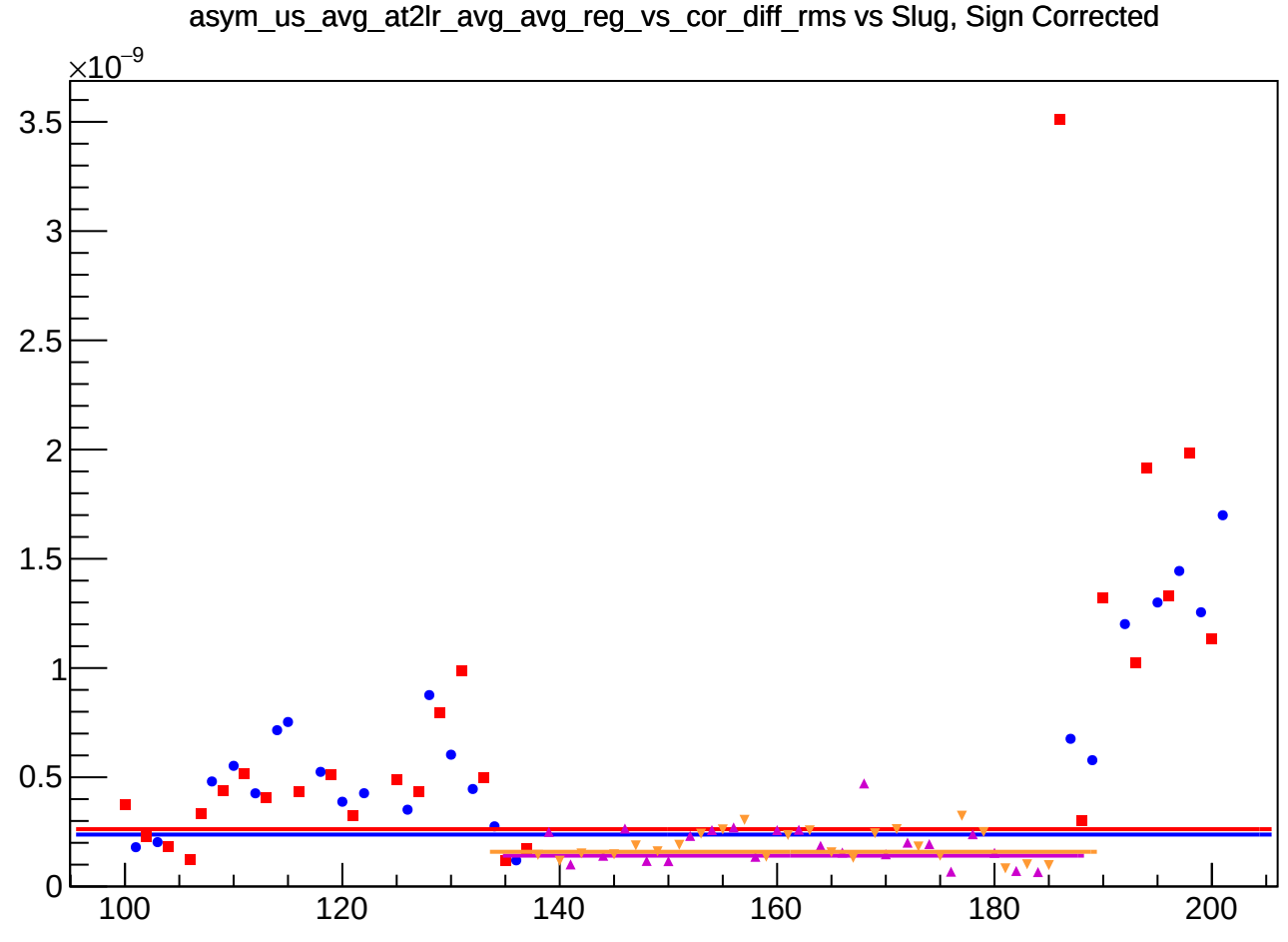
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 41.3/48

In: -0.000+/-0.000 χ^2/NDF:46.5/45

Out: 0.000+/-0.000 χ^2/NDF:48.6/49

All: 0.000+/-0.000 χ^2/NDF: 95.9/95



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: 4710176.3/25

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

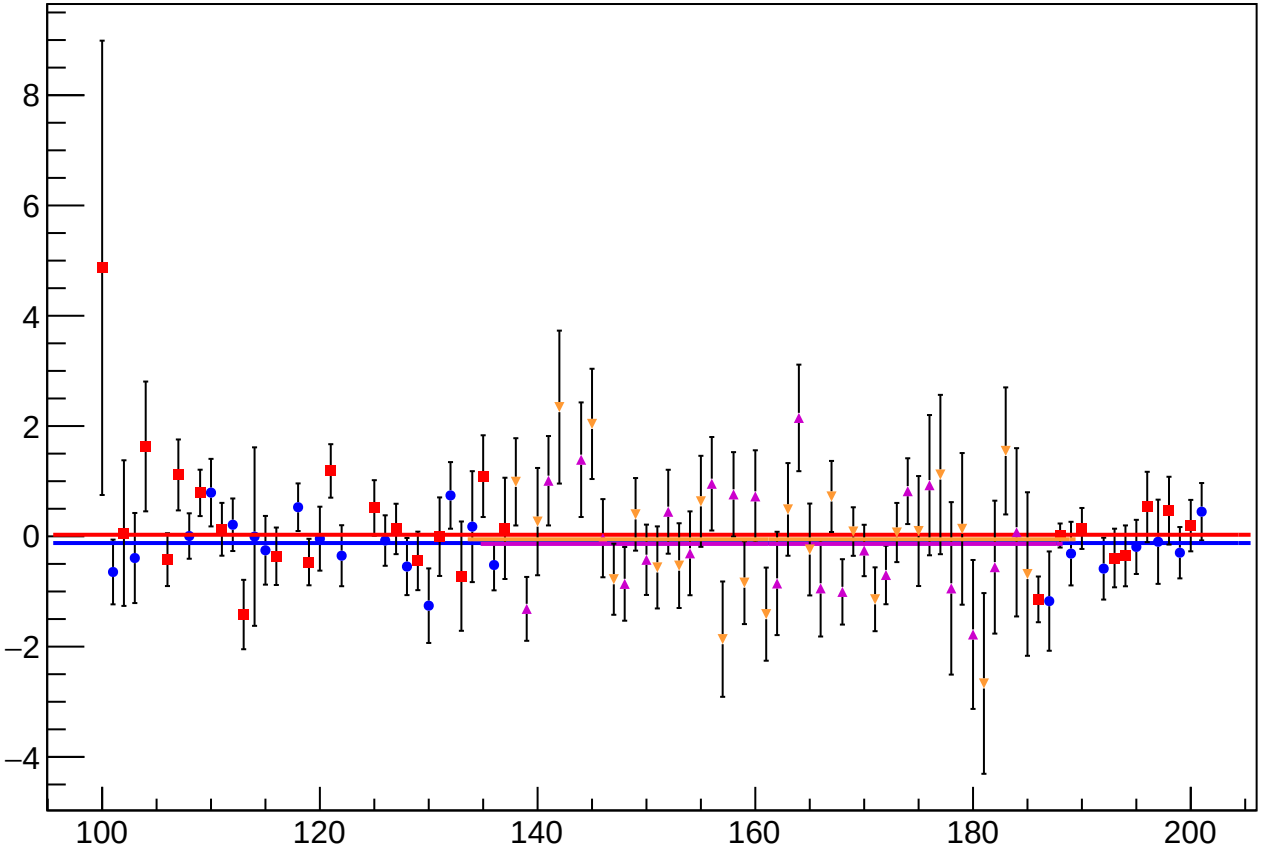
Right: 0.000+/-0.000 χ^2/NDF: 9274060.3/48

In: 0.000+/-0.000 χ^2/NDF:7739097.8/45

Out: 0.000+/-0.000 χ^2/NDF:6807806.1/49

All: 0.000+/-0.000 χ^2/NDF: 14651781.0/95

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: 0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

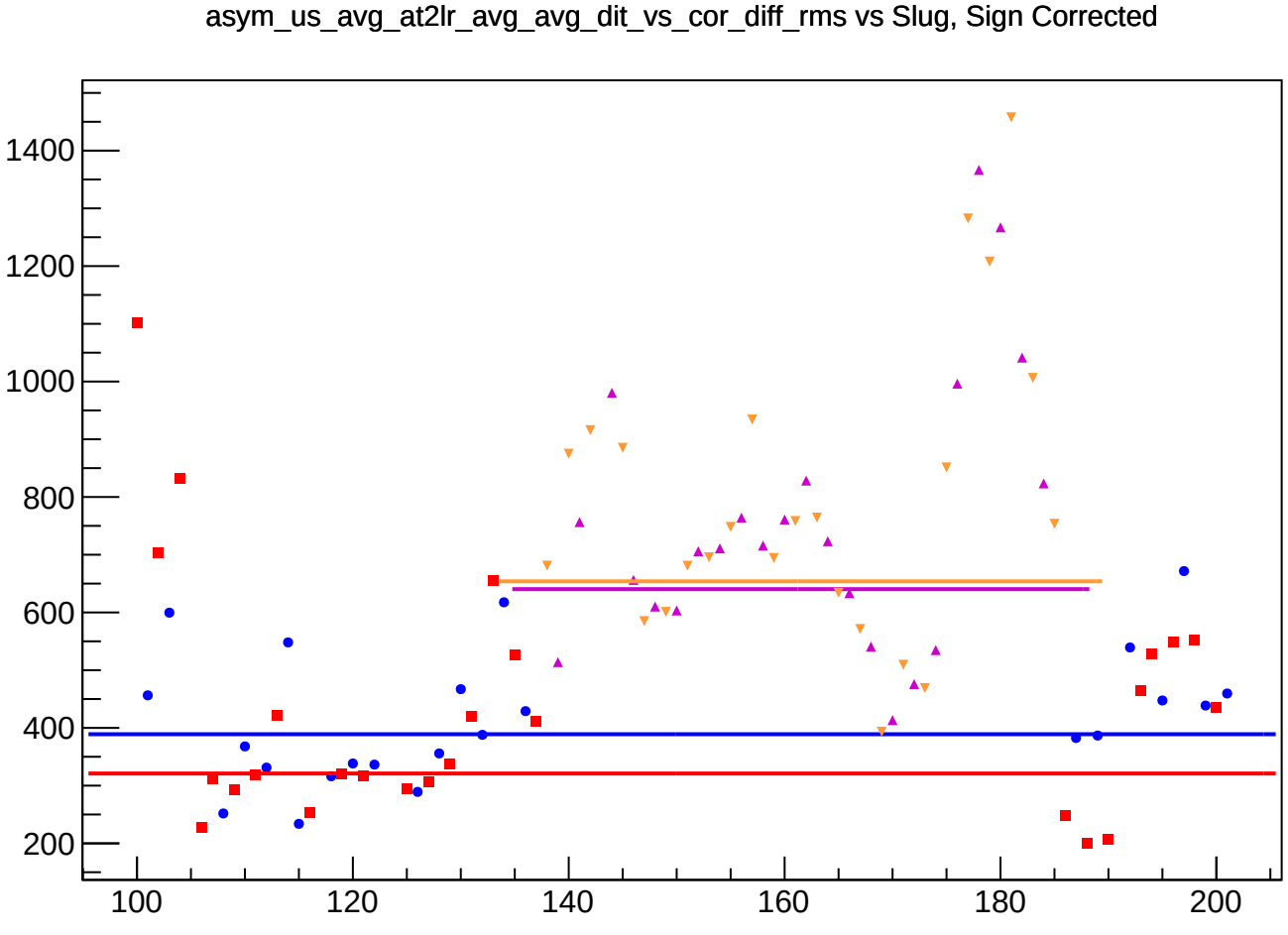
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.034+/-0.075 χ^2/NDF: 55.2/48

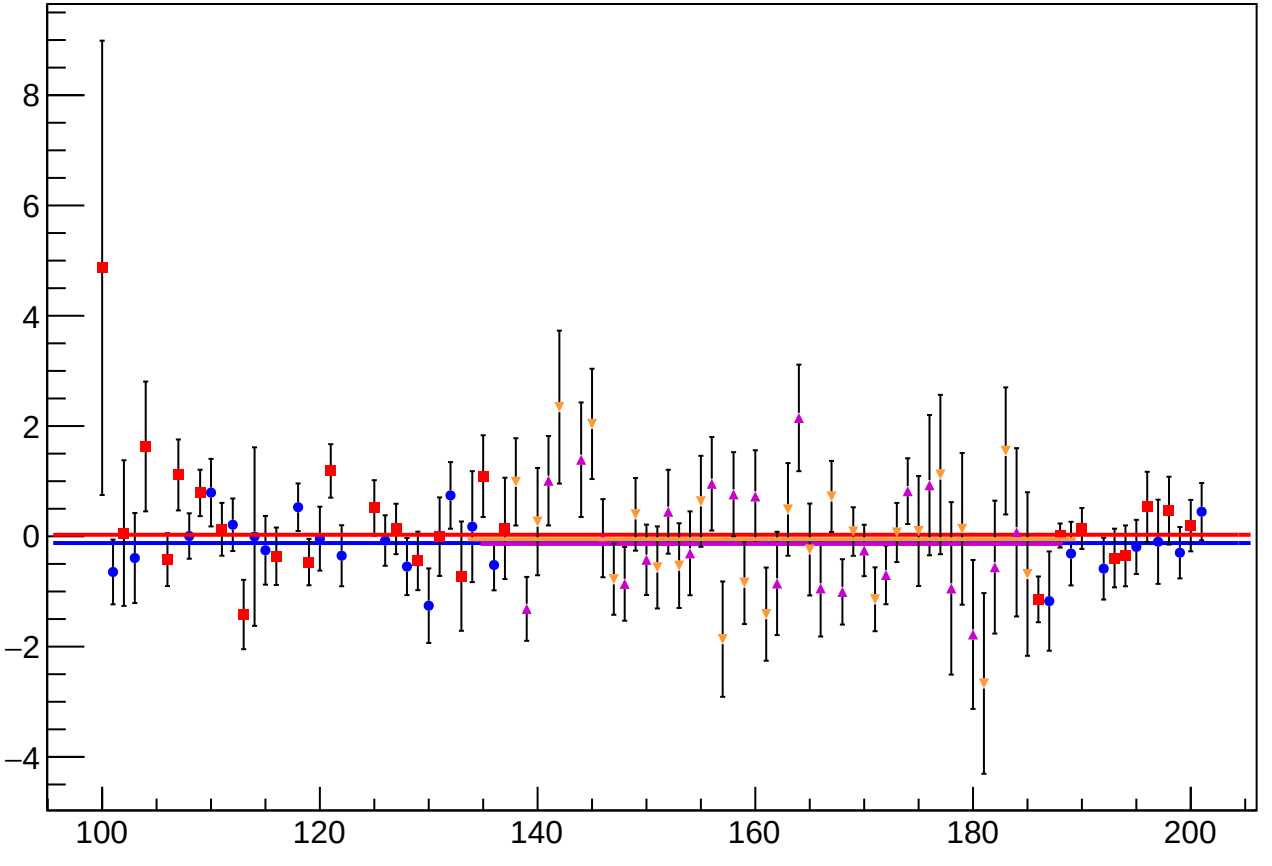
In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.053+/-0.063 χ^2/NDF: 115.6/95


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 389.062+/-0.083 χ²/NDF: 1401028.9/22
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 321.015+/-0.070 χ²/NDF: 3190989.2/25
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 349.142+/-0.053 χ²/NDF: 4986890.9/48
In: 478.462+/-0.067 χ²/NDF:7315092.4/45
Out: 411.363+/-0.059 χ²/NDF:12521037.4/49
All: 441.118+/-0.044 χ²/NDF: 20401463.8/95

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: 0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

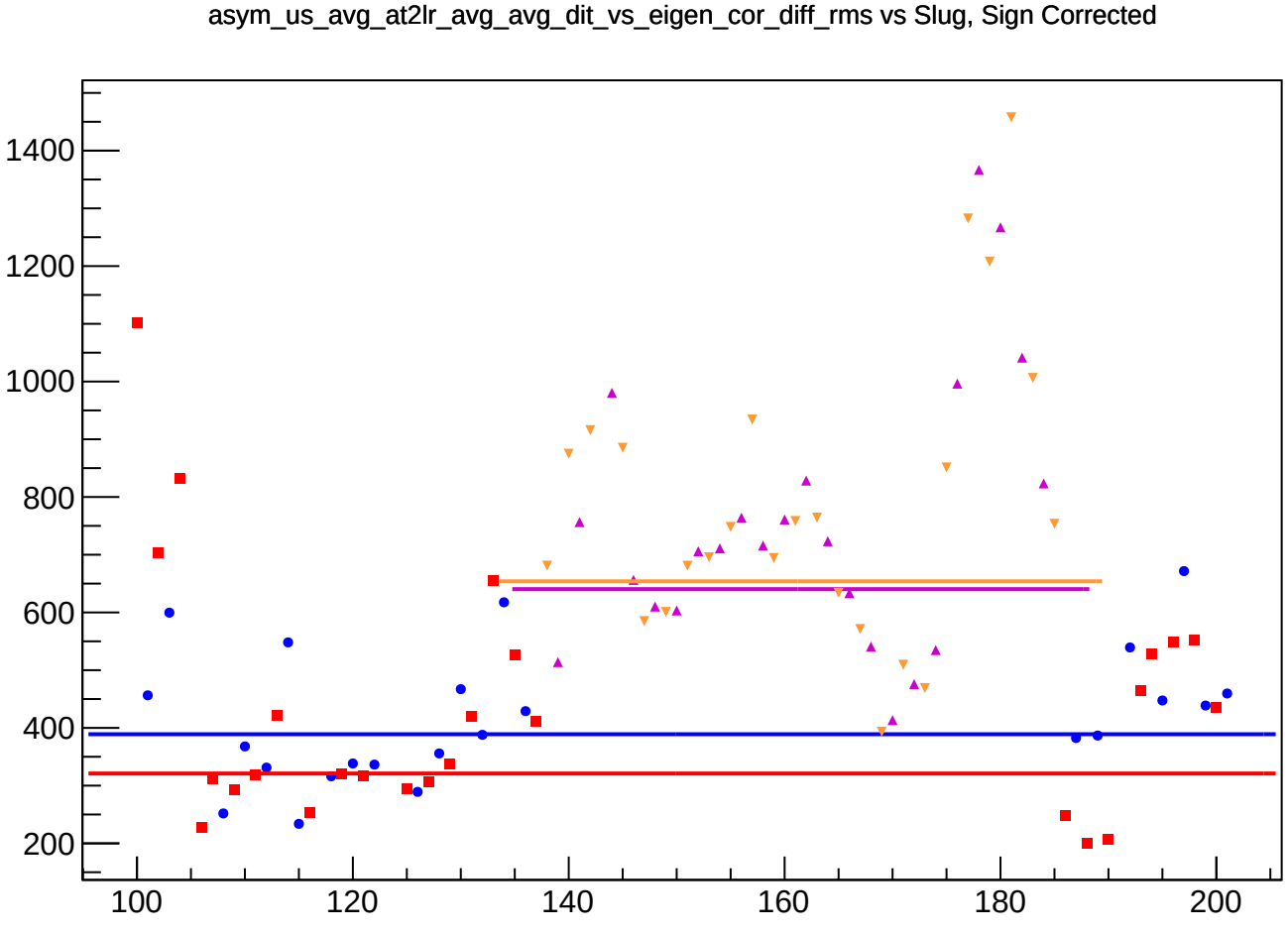
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.034+/-0.075 χ^2/NDF: 55.2/48

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.053+/-0.063 χ^2/NDF: 115.6/95



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: 321.015+/-0.070 χ^2/NDF: 3190989.2/25

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

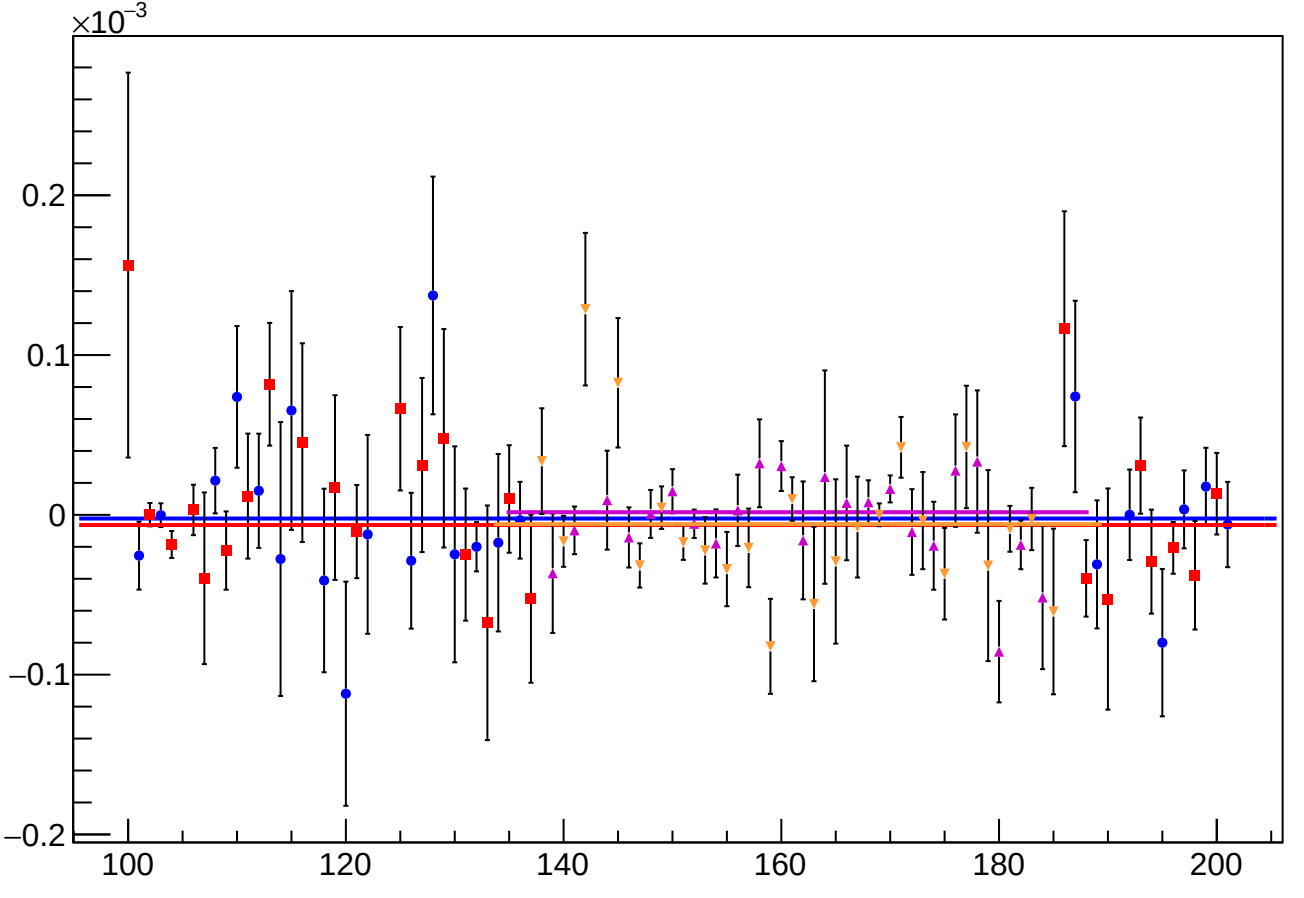
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 349.142+/-0.053 χ^2/NDF: 4986890.9/48

In: 478.462+/-0.067 χ^2/NDF:7315092.4/45

Out: 411.363+/-0.059 χ^2/NDF:12521037.4/49

All: 441.118+/-0.044 χ^2/NDF: 20401463.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/25

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

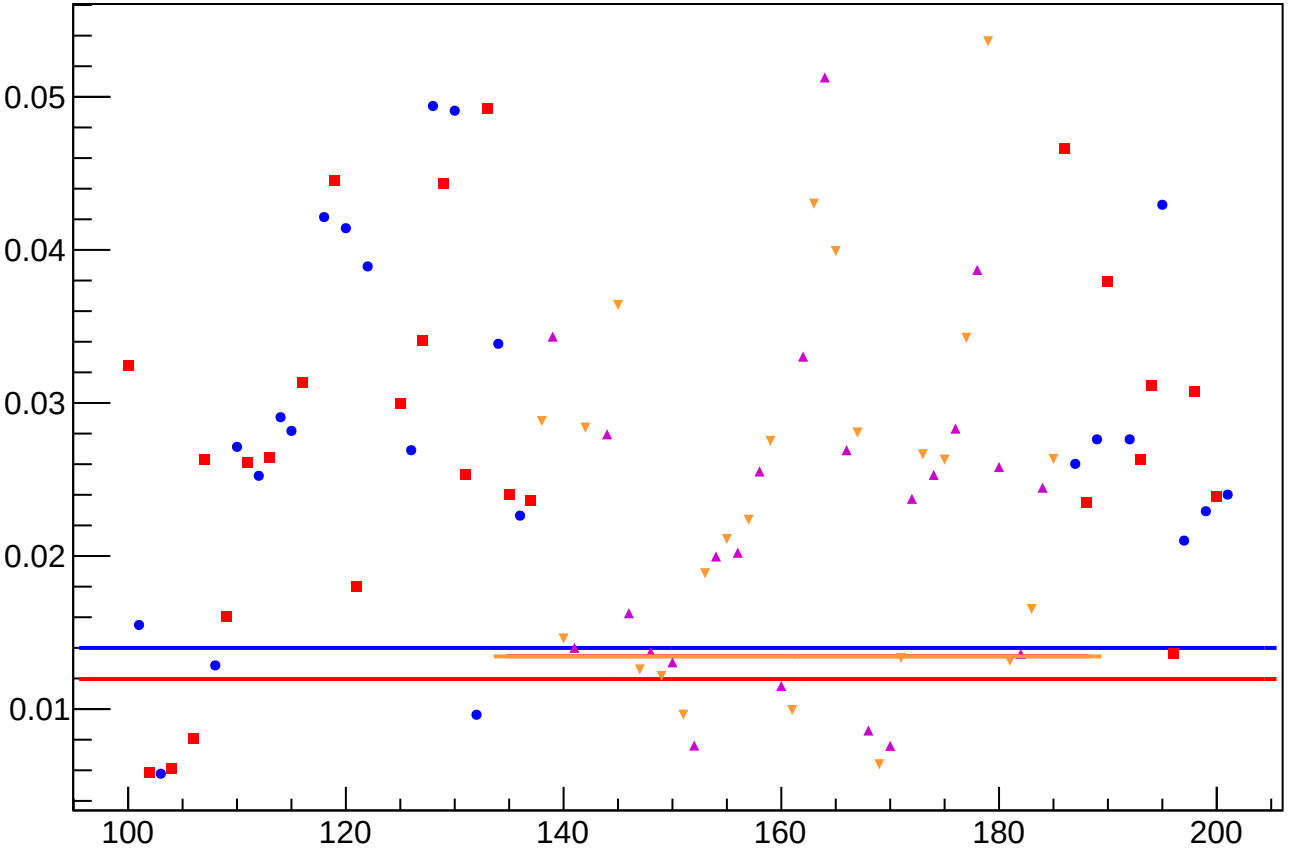
Right: -0.000+/-0.000 χ^2/NDF: 47.8/48

In: 0.000+/-0.000 χ^2/NDF:46.8/45

Out: -0.000+/-0.000 χ^2/NDF:69.3/49

All: -0.000+/-0.000 χ^2/NDF: 118.4/95

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: 9707242.9/25

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

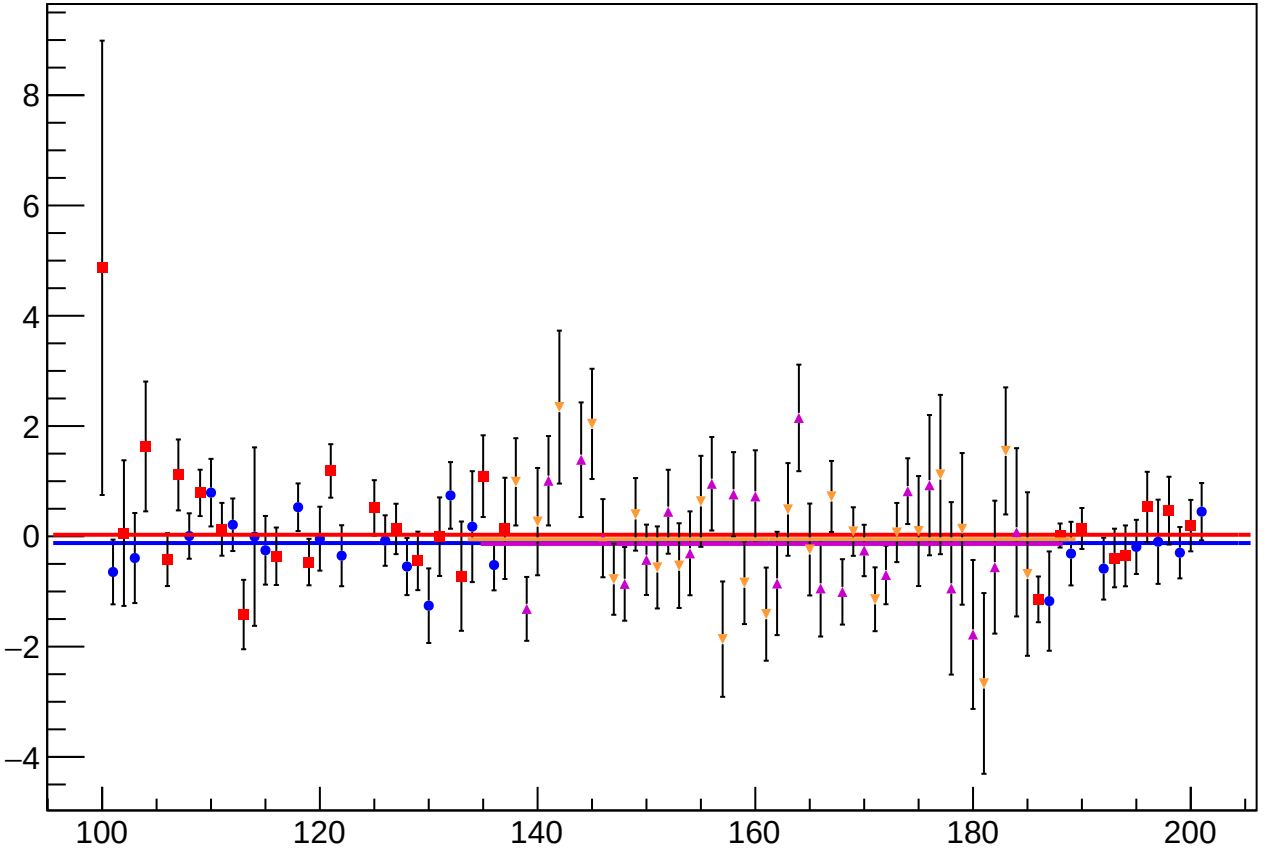
Right: 0.013+/-0.000 χ^2/NDF: 18111765.4/48

In: 0.014+/-0.000 χ^2/NDF:15776893.5/45

Out: 0.013+/-0.000 χ^2/NDF:18700712.3/49

All: 0.013+/-0.000 χ^2/NDF: 34562569.6/95

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: 0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

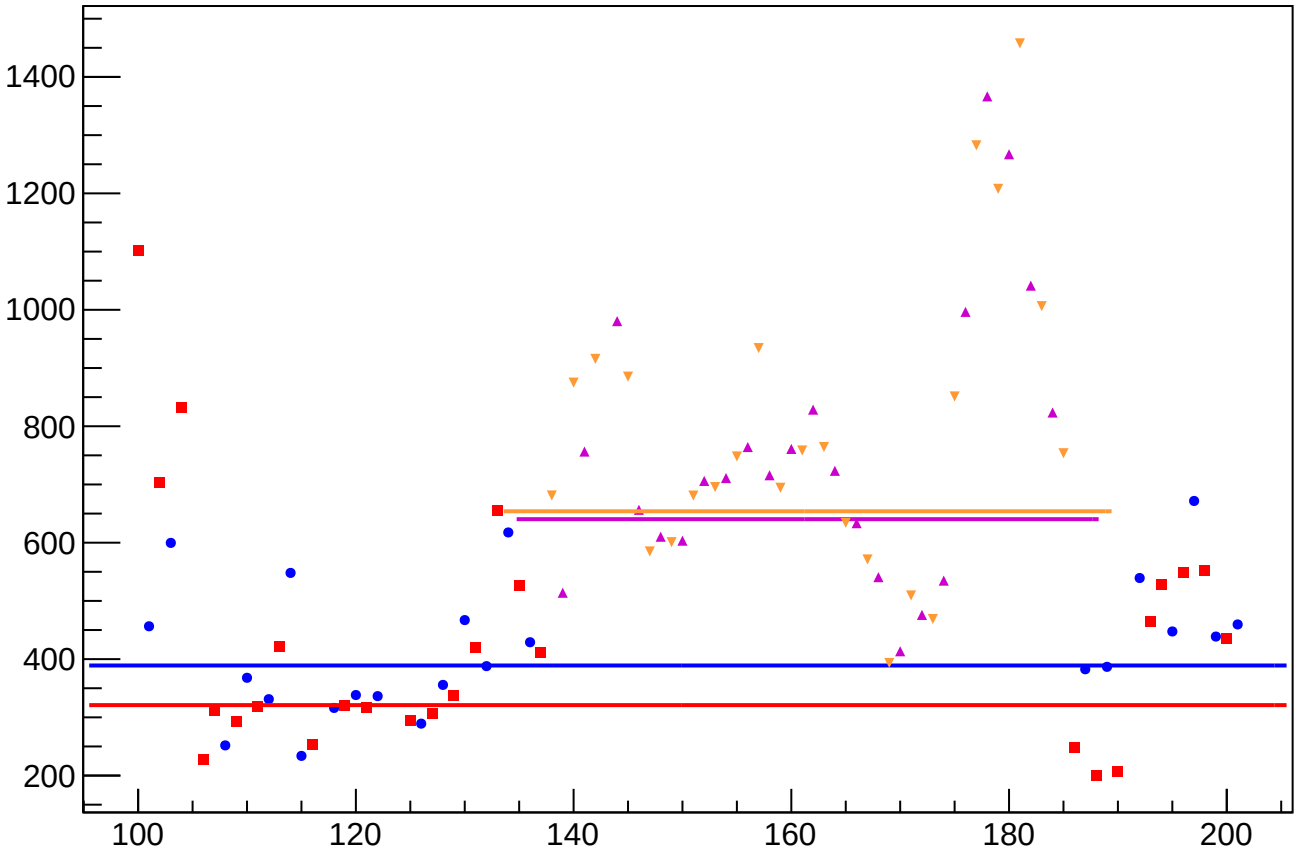
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.034+/-0.075 χ^2/NDF: 55.2/48

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.053+/-0.063 χ^2/NDF: 115.6/95



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: 321.009+/-0.070 χ^2/NDF: 3191165.3/25

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

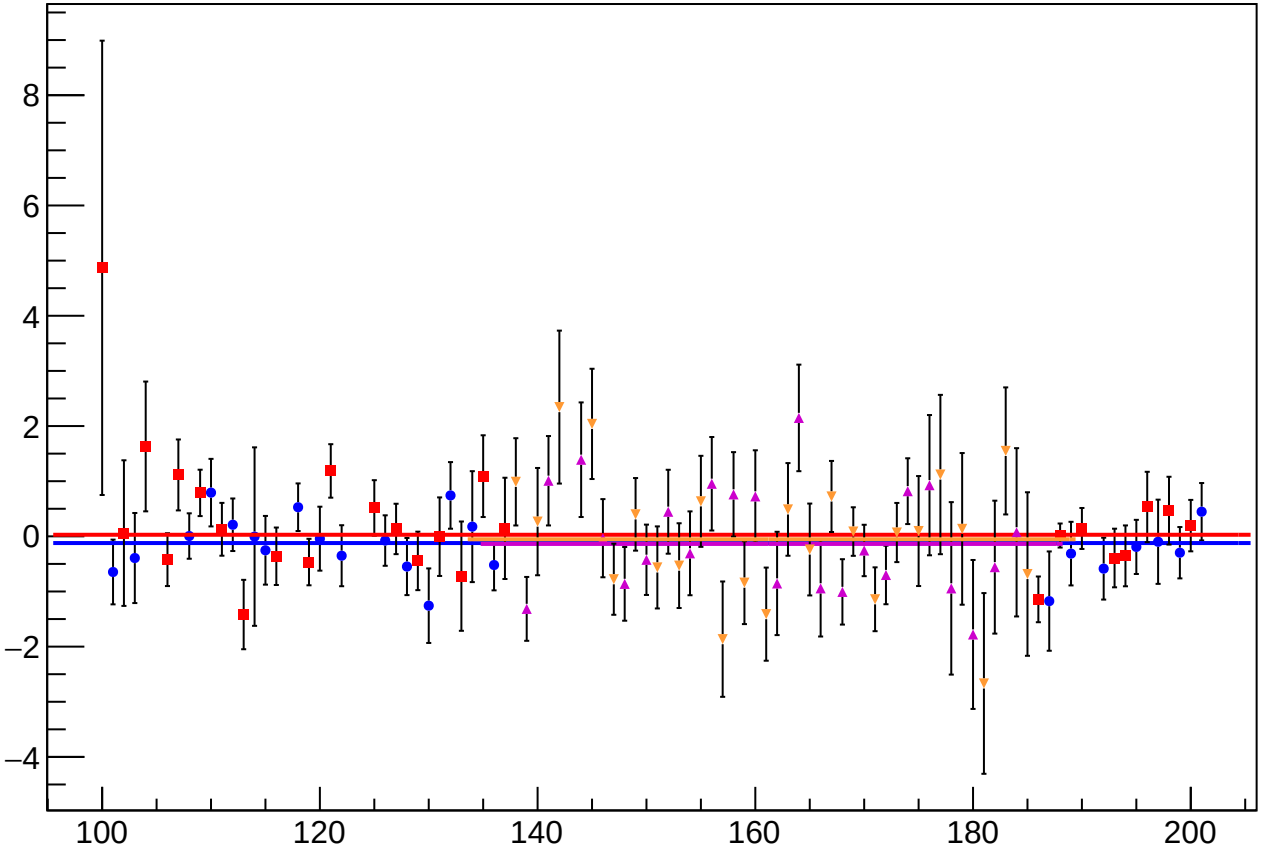
Right: 349.137+/-0.053 χ^2/NDF: 4987108.5/48

In: 478.461+/-0.067 χ^2/NDF:7315281.6/45

Out: 411.356+/-0.059 χ^2/NDF:12521690.1/49

All: 441.113+/-0.044 χ^2/NDF: 20402415.9/95

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: 0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

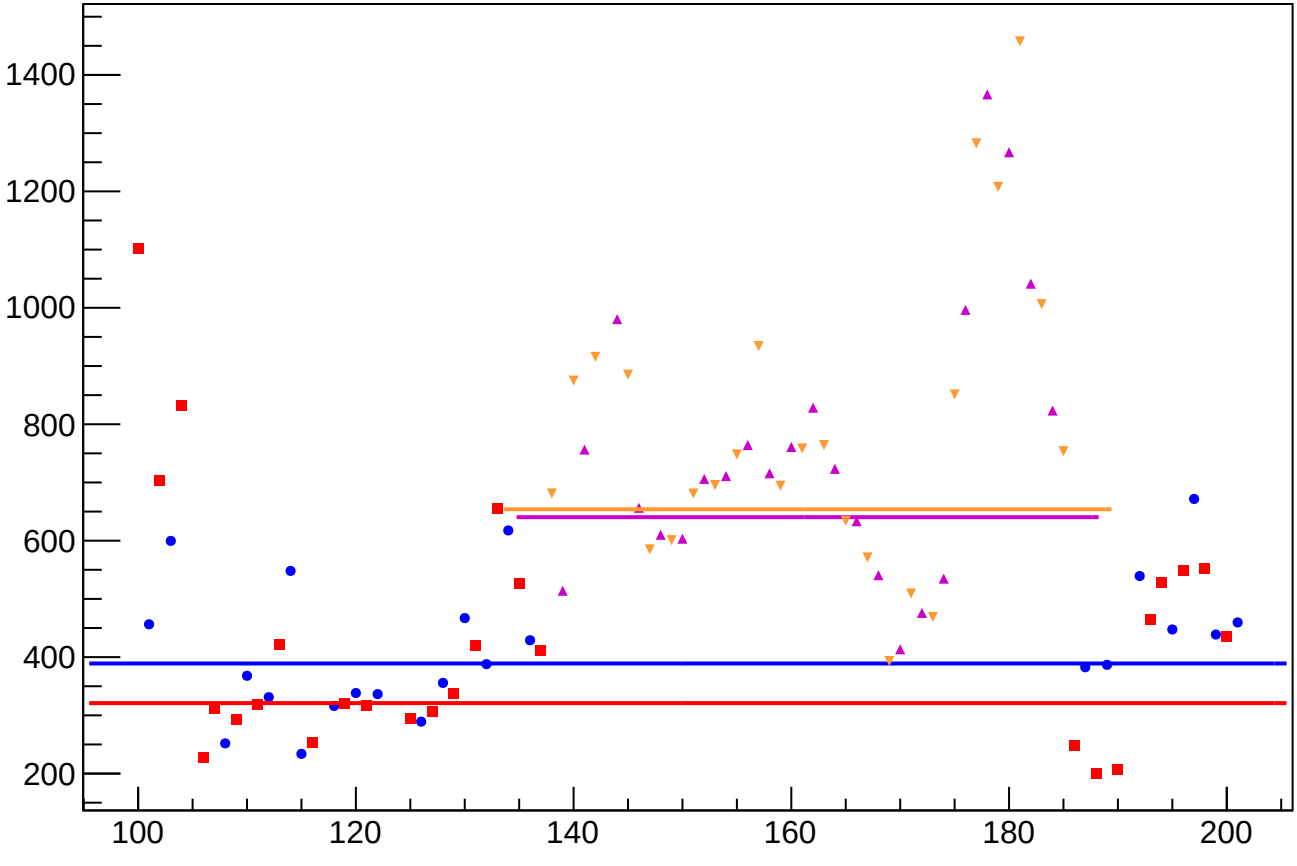
Right: -0.034+/-0.075 χ^2/NDF: 55.2/48

In: -0.127+/-0.094 χ^2/NDF:46.1/45

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.053+/-0.063 χ^2/NDF: 115.6/95

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: 321.009+/-0.070 χ^2/NDF: 3191165.3/25

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

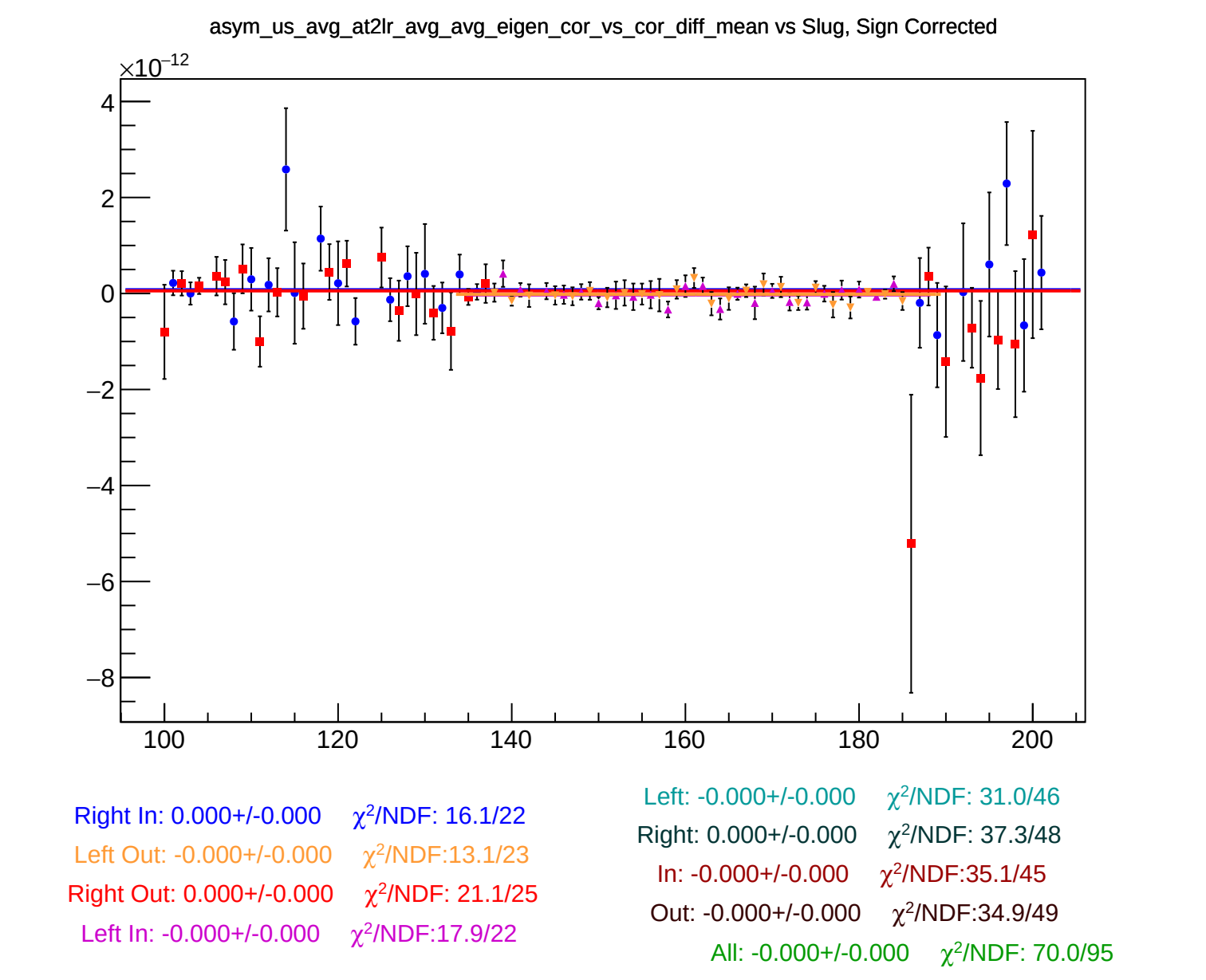
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 349.137+/-0.053 χ^2/NDF: 4987108.5/48

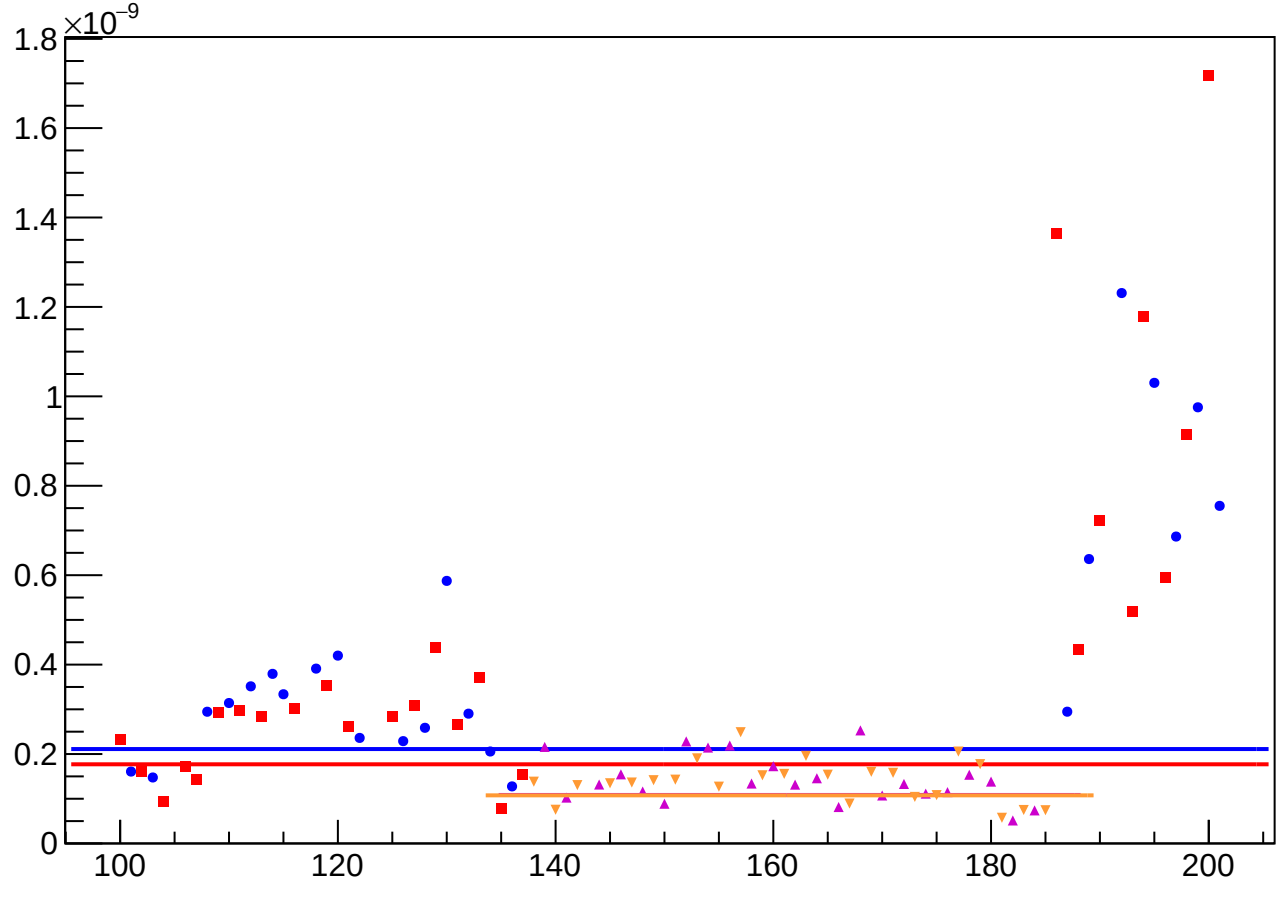
In: 478.461+/-0.067 χ^2/NDF:7315281.6/45

Out: 411.356+/-0.059 χ^2/NDF:12521690.1/49

All: 441.113+/-0.044 χ^2/NDF: 20402415.9/95


asym_us_avg_at2lr_avg_avg_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: 16.1/22
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.1/25
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 37.3/48
In: -0.000+/-0.000 χ²/NDF:35.1/45
Out: -0.000+/-0.000 χ²/NDF:34.9/49
All: -0.000+/-0.000 χ²/NDF: 70.0/95

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4866931.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6163852.5/25

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

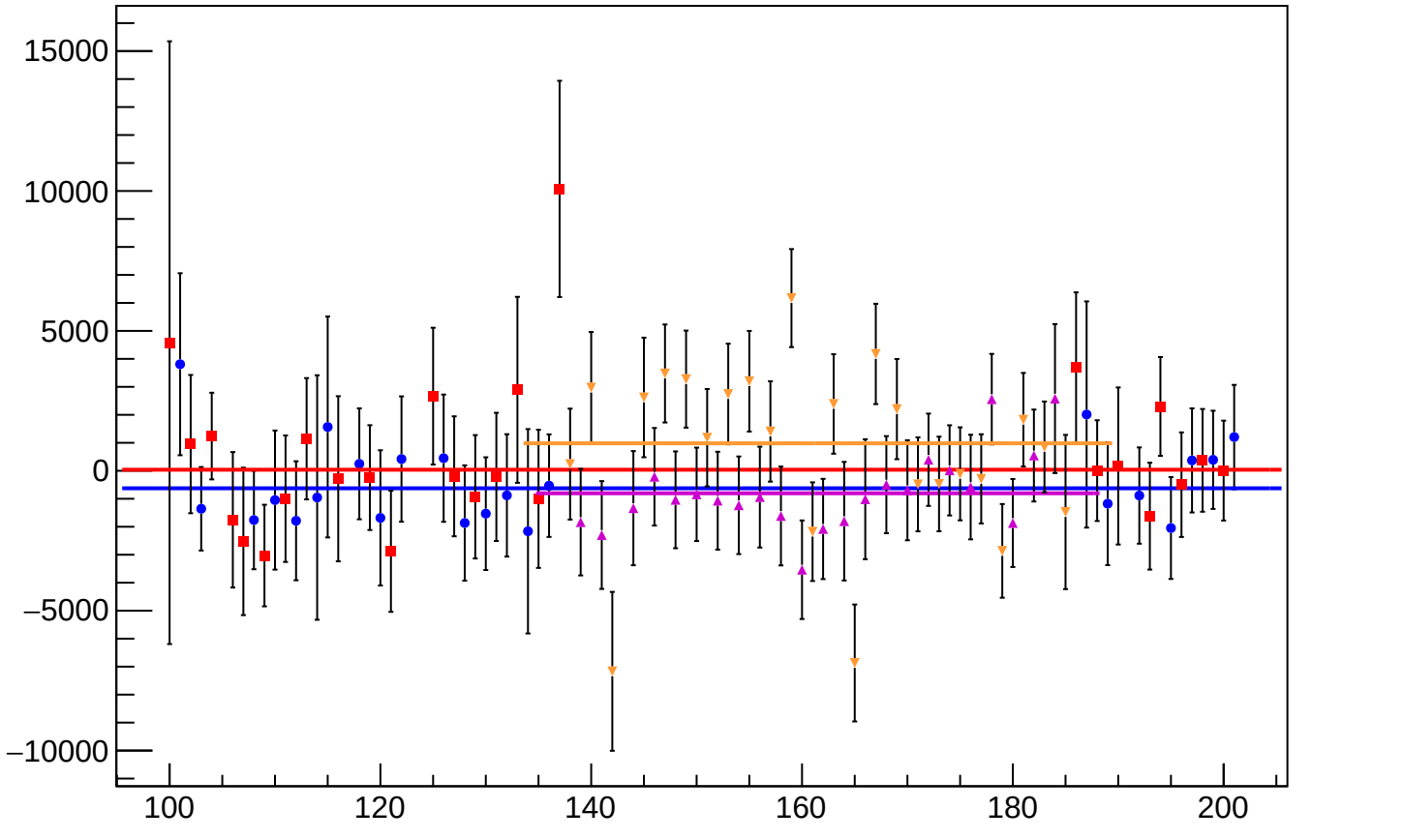
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

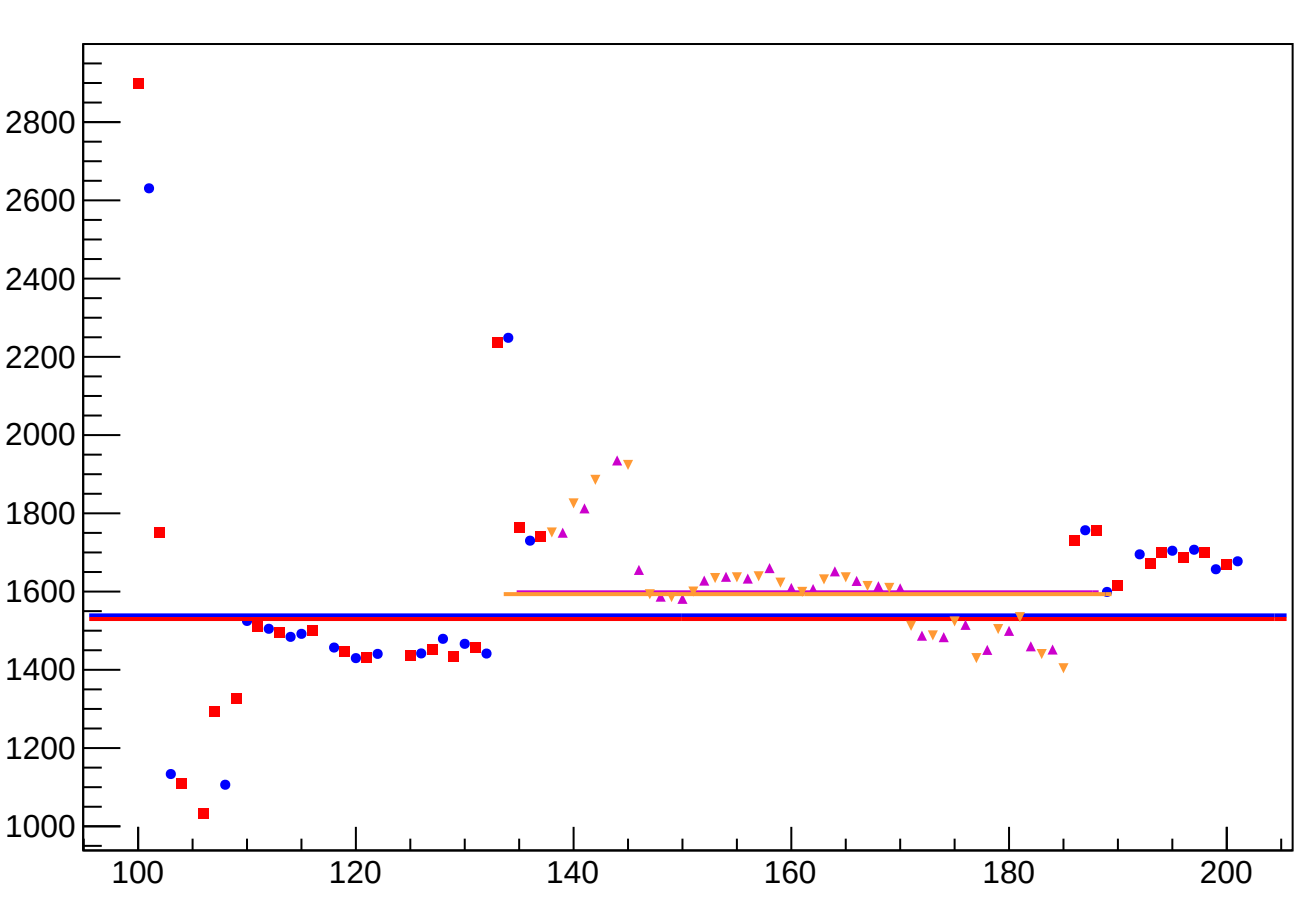
Right: 0.000+/-0.000 χ^2/NDF: 11177426.3/48

In: 0.000+/-0.000 χ^2/NDF:10847145.1/45

Out: 0.000+/-0.000 χ^2/NDF:10813169.6/49

All: 0.000+/-0.000 χ^2/NDF: 21667959.1/95


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: 37.658+/-430.435 χ²/NDF: 21.0/25
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -283.173+/-309.263 χ²/NDF: 29.6/48
In: -729.980+/-286.243 χ²/NDF:20.0/45
Out: 579.461+/-280.952 χ²/NDF:79.3/49
All: -63.045+/-200.508 χ²/NDF: 109.9/95



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: 1529.839+/-0.303 χ^2/NDF: 597944.6/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

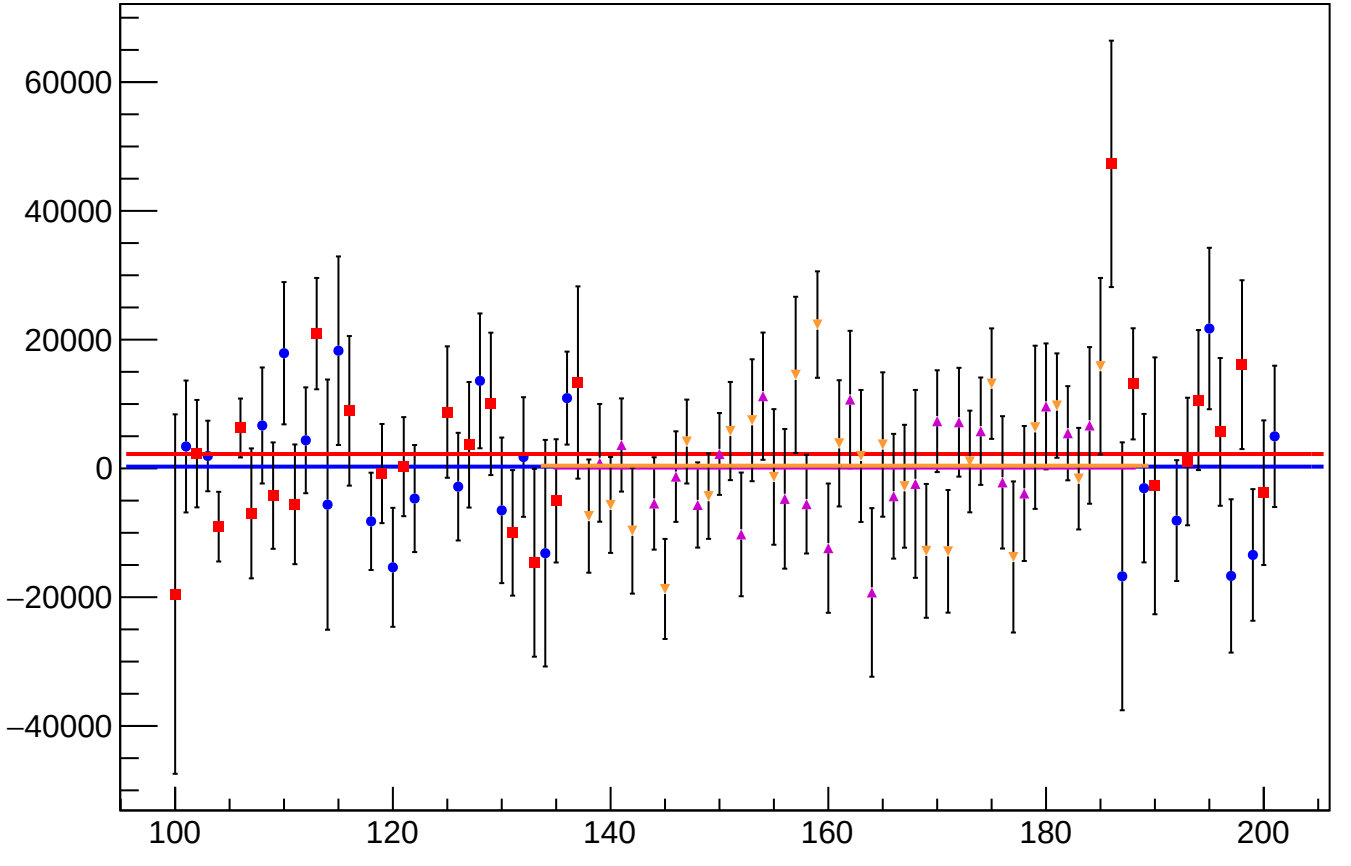
Right: 1534.317+/-0.218 χ^2/NDF: 1290709.2/48

In: 1573.675+/-0.202 χ^2/NDF:882074.7/45

Out: 1566.225+/-0.198 χ^2/NDF:810786.5/49

All: 1569.873+/-0.142 χ^2/NDF: 1693552.7/95

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: 2238.105+/-1808.386 χ^2/NDF: 27.4/25

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

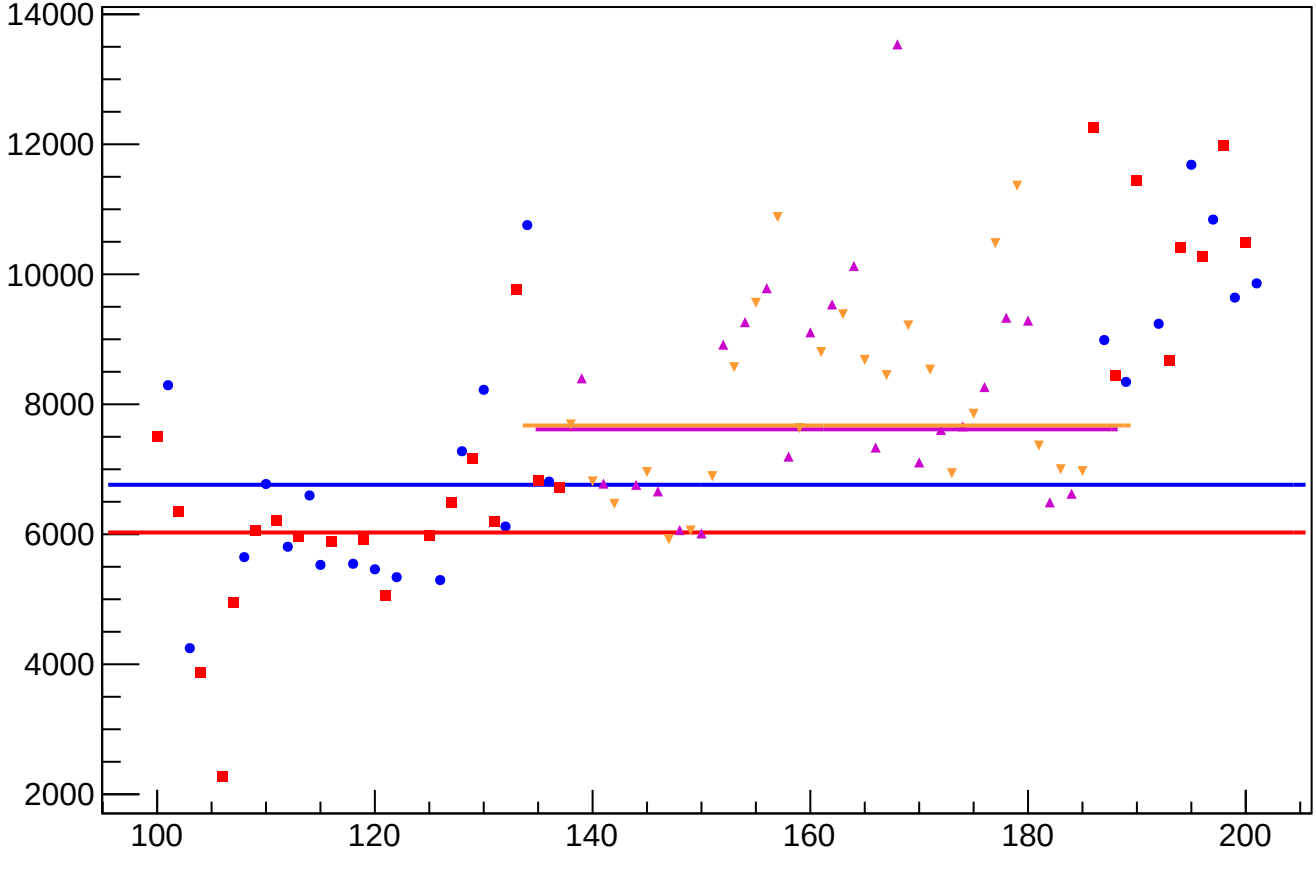
Right: 1362.411+/-1345.139 χ^2/NDF: 50.9/48

In: 194.276+/-1347.785 χ^2/NDF:36.8/45

Out: 1338.141+/-1282.766 χ^2/NDF:57.3/49

All: 794.464+/-929.188 χ^2/NDF: 94.5/95

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: 6027.646+/-1.279 χ^2/NDF: 3893413.5/25

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

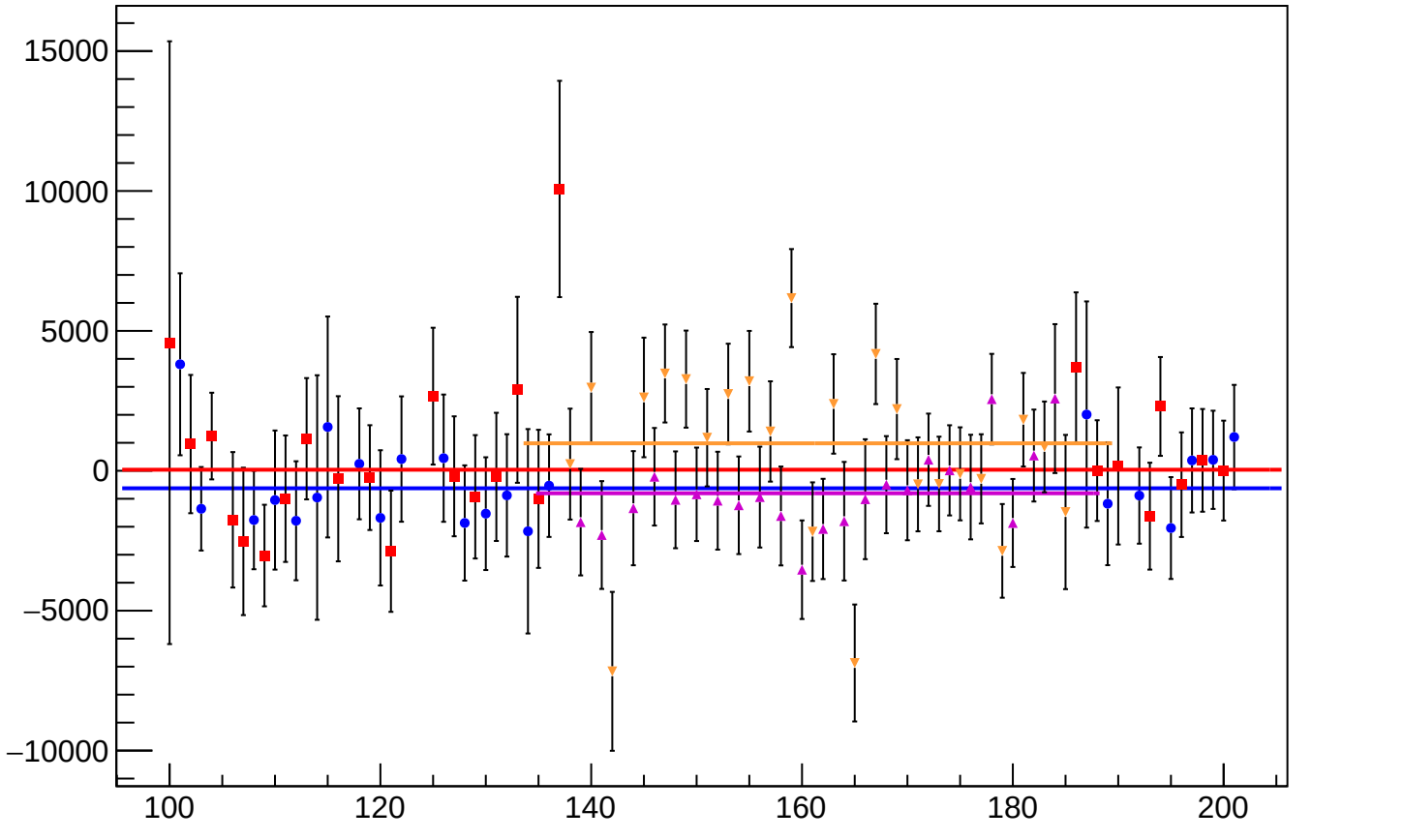
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6355.572+/-0.951 χ^2/NDF: 6001742.4/48

In: 7232.322+/-0.953 χ^2/NDF:3383886.4/45

Out: 6845.638+/-0.907 χ^2/NDF:5793764.0/49

All: 7029.428+/-0.657 χ^2/NDF: 9264030.2/95



Right In: -625.579+/-444.638 χ^2/NDF: 7.4/22

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 37.728+/-430.435 χ^2/NDF: 21.0/25

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

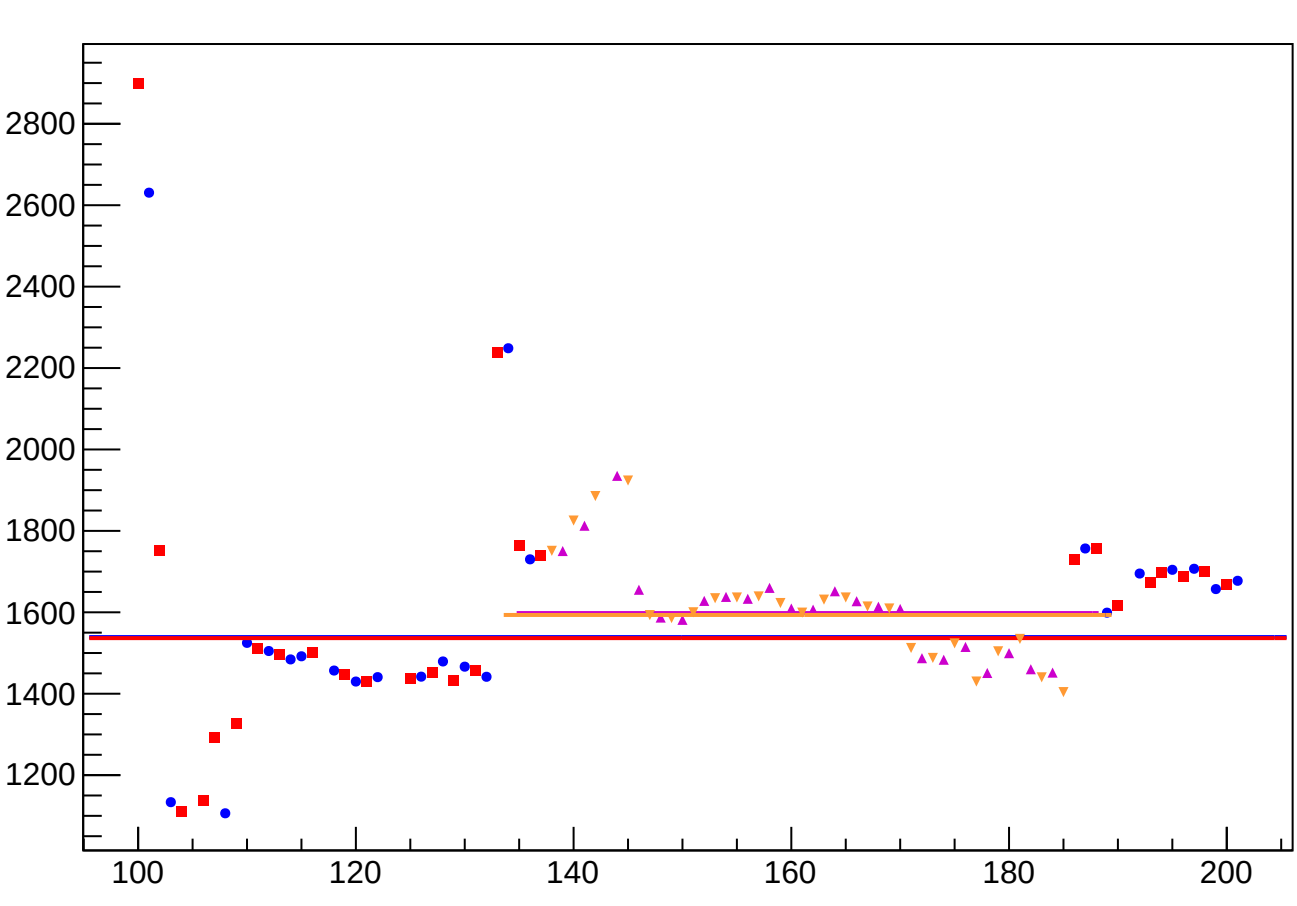
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -283.163+/-309.263 χ^2/NDF: 29.6/48

In: -729.929+/-286.243 χ^2/NDF:20.0/45

Out: 579.539+/-280.952 χ^2/NDF:79.3/49

All: -62.981+/-200.508 χ^2/NDF: 109.9/95



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: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

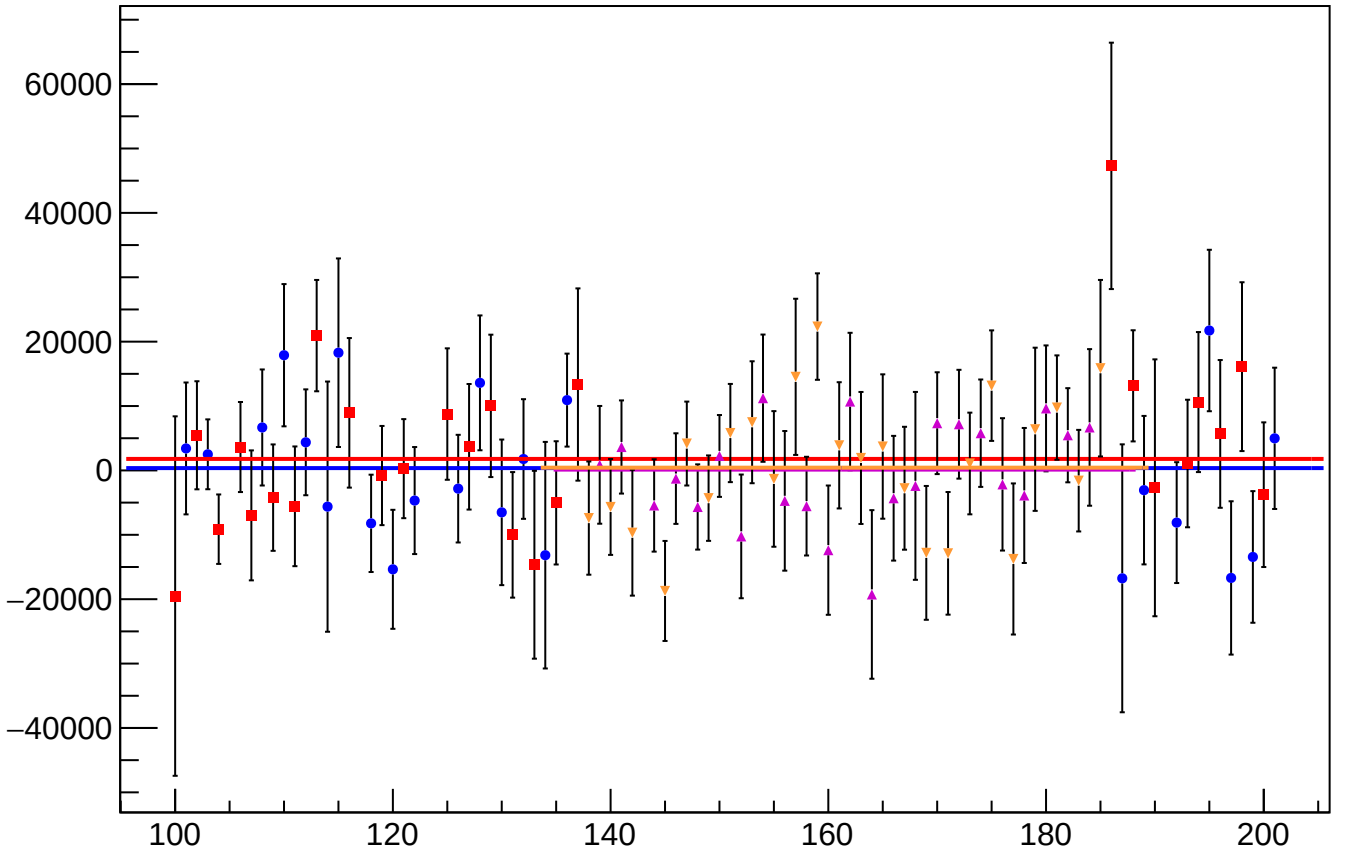
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1537.804+/-0.219 χ^2/NDF: 1238575.0/48

In: 1573.675+/-0.202 χ^2/NDF:882075.1/45

Out: 1569.190+/-0.199 χ^2/NDF:753953.0/49

All: 1571.390+/-0.142 χ^2/NDF: 1636278.4/95



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: 1786.635+/-1895.115 χ^2/NDF: 26.8/25

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

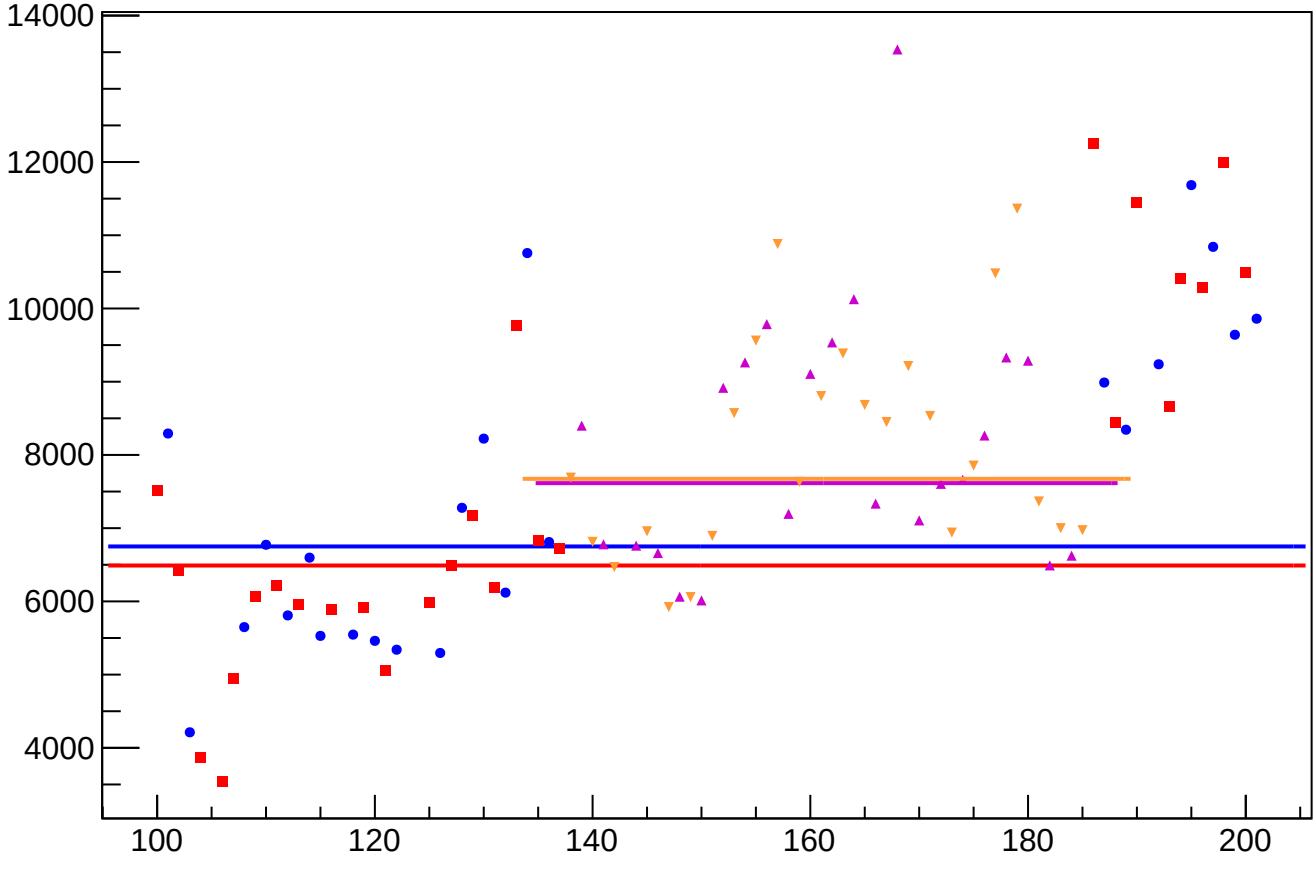
Right: 1115.570+/-1378.859 χ^2/NDF: 50.1/48

In: 231.621+/-1346.992 χ^2/NDF:36.9/45

Out: 1079.138+/-1312.641 χ^2/NDF:56.5/49

All: 666.324+/-940.087 χ^2/NDF: 93.6/95

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

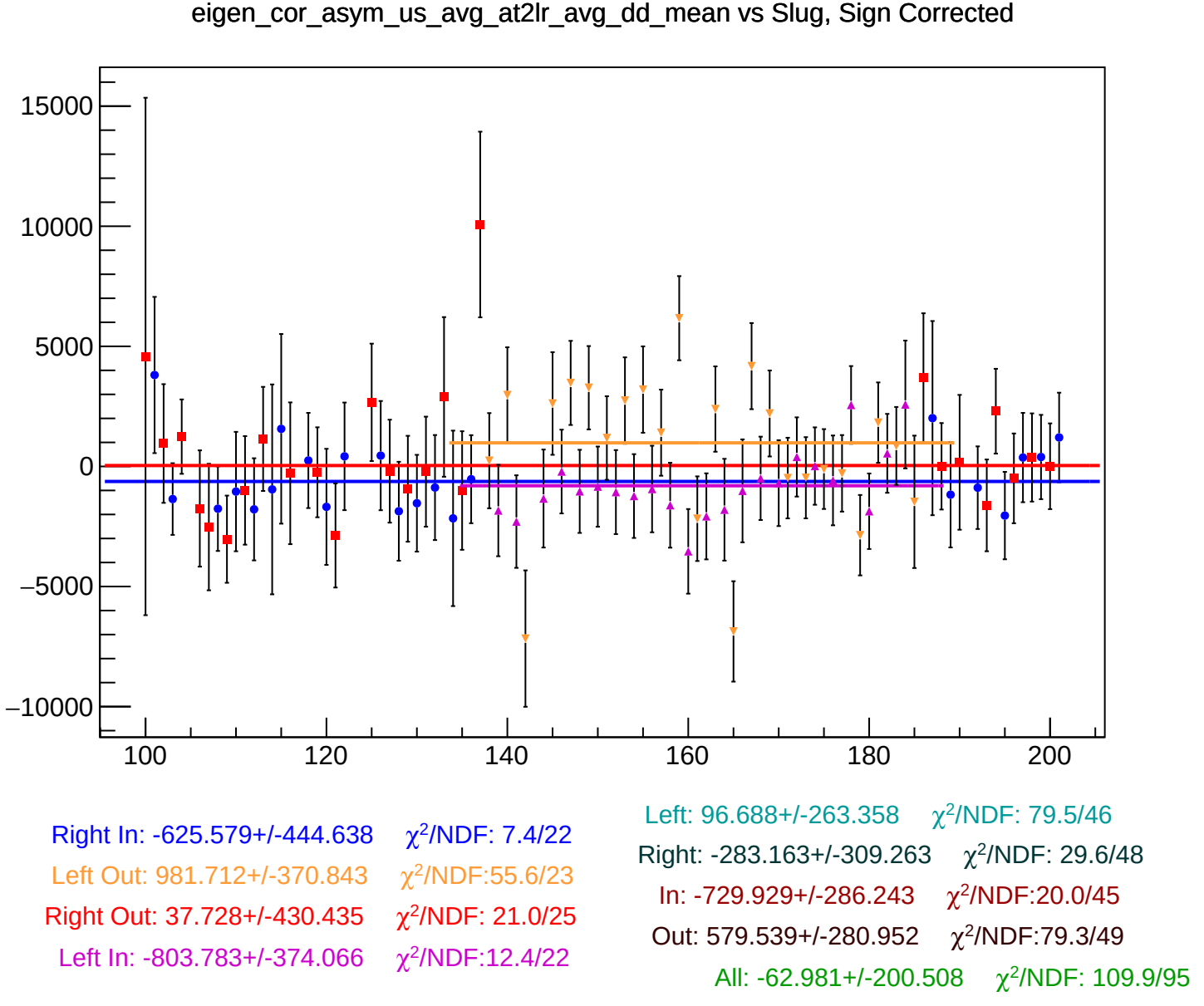
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

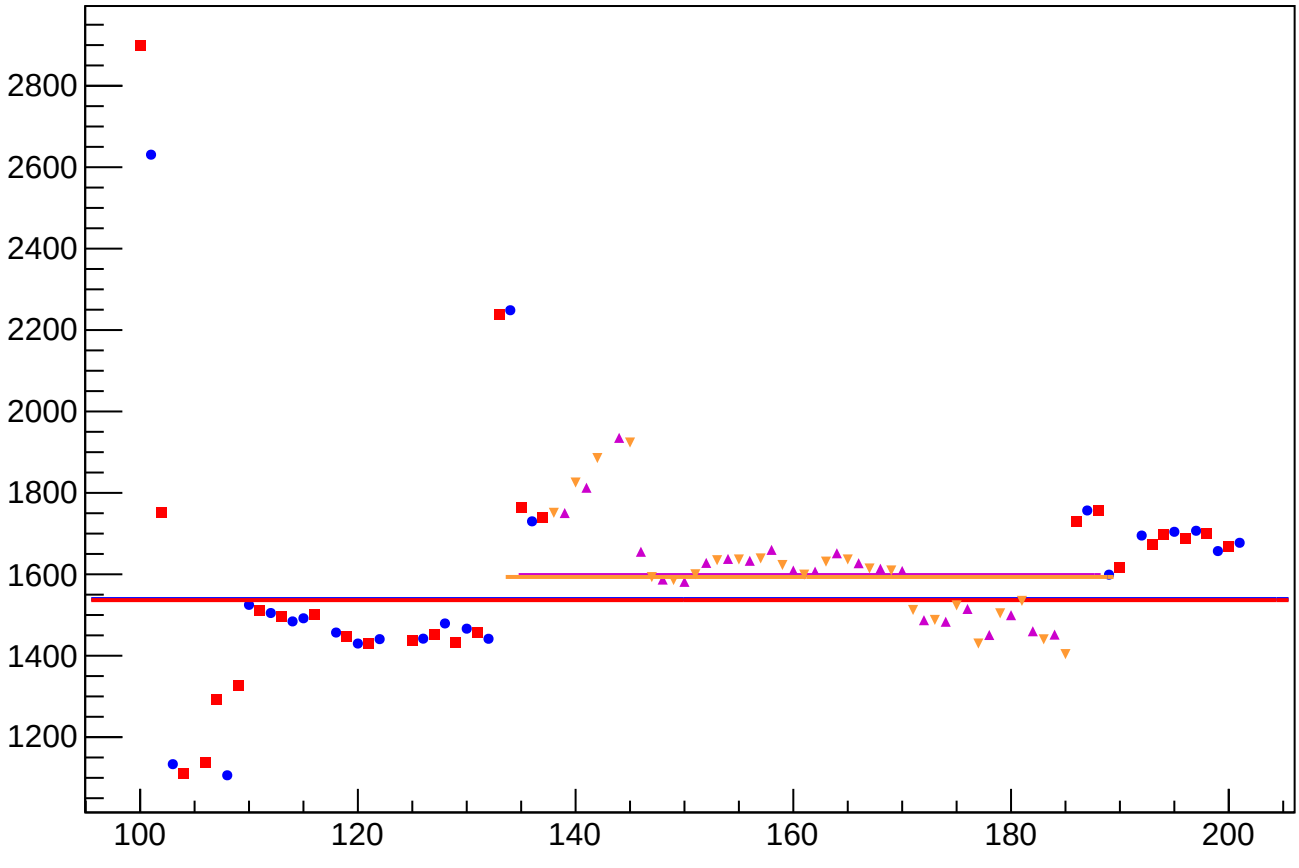
Right: 6612.478+/-0.975 χ^2/NDF: 4683581.0/48

In: 7226.605+/-0.952 χ^2/NDF:3409912.3/45

Out: 7106.002+/-0.928 χ^2/NDF:4167256.2/49

All: 7164.746+/-0.665 χ^2/NDF: 7585392.1/95


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -625.579+/-444.638 χ²/NDF: 7.4/22
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 37.728+/-430.435 χ²/NDF: 21.0/25
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -283.163+/-309.263 χ²/NDF: 29.6/48
In: -729.929+/-286.243 χ²/NDF:20.0/45
Out: 579.539+/-280.952 χ²/NDF:79.3/49
All: -62.981+/-200.508 χ²/NDF: 109.9/95



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: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

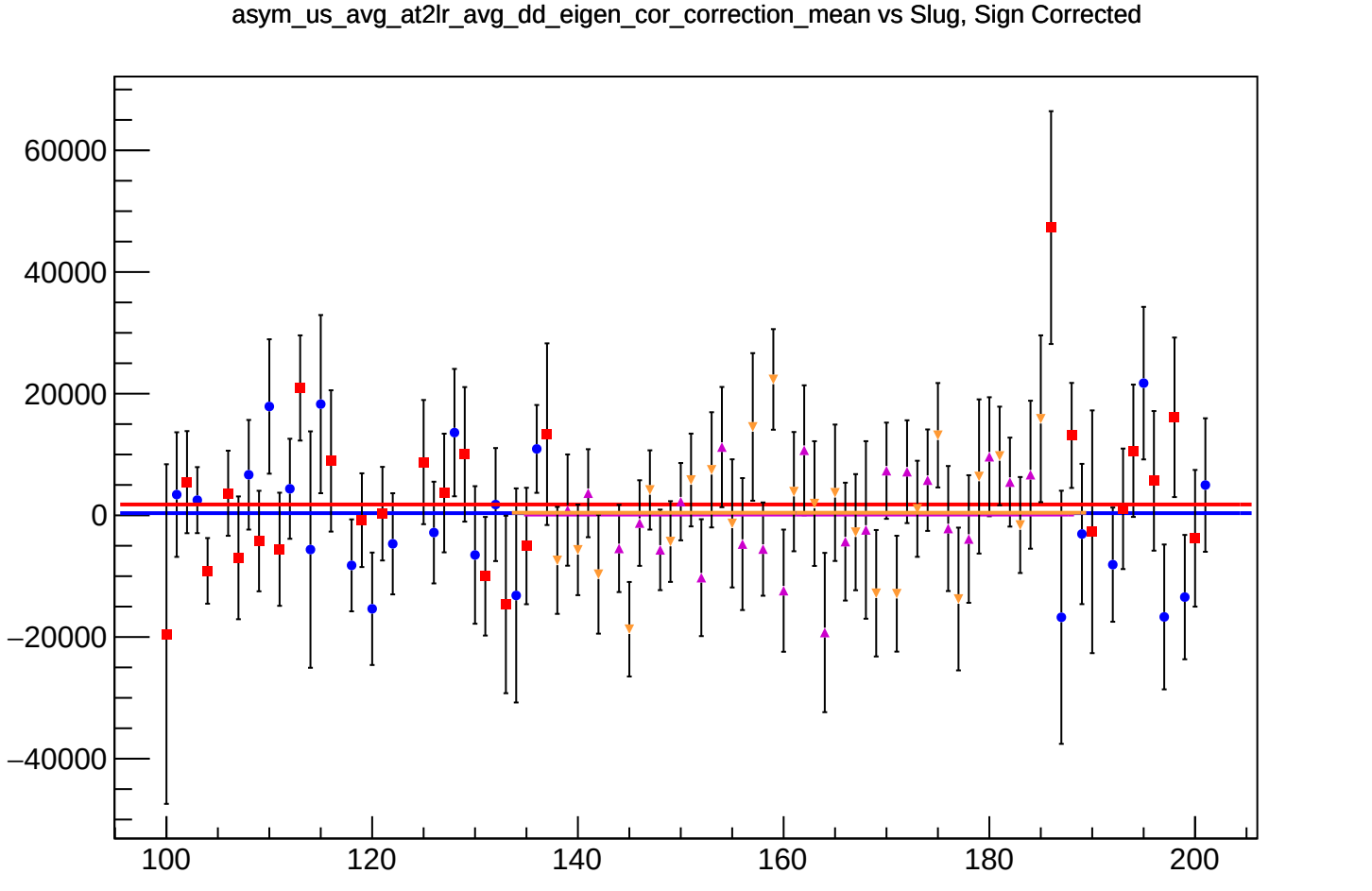
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1537.804+/-0.219 χ^2/NDF: 1238575.0/48

In: 1573.675+/-0.202 χ^2/NDF:882075.1/45

Out: 1569.190+/-0.199 χ^2/NDF:753953.0/49

All: 1571.390+/-0.142 χ^2/NDF: 1636278.4/95



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: 1786.635+/-1895.115 χ^2/NDF: 26.8/25

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

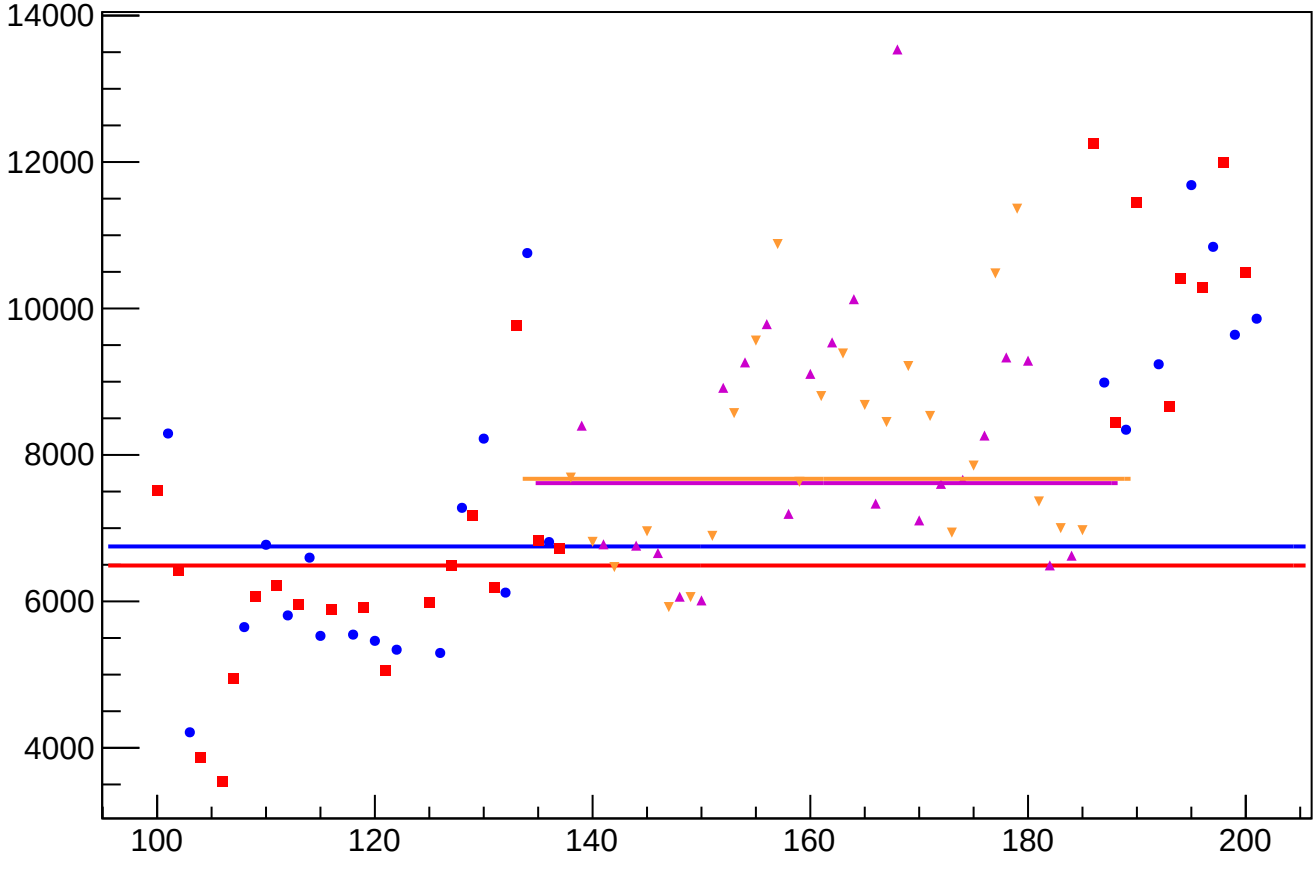
Right: 1115.570+/-1378.859 χ^2/NDF: 50.1/48

In: 231.621+/-1346.992 χ^2/NDF:36.9/45

Out: 1079.138+/-1312.641 χ^2/NDF:56.5/49

All: 666.324+/-940.087 χ^2/NDF: 93.6/95

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

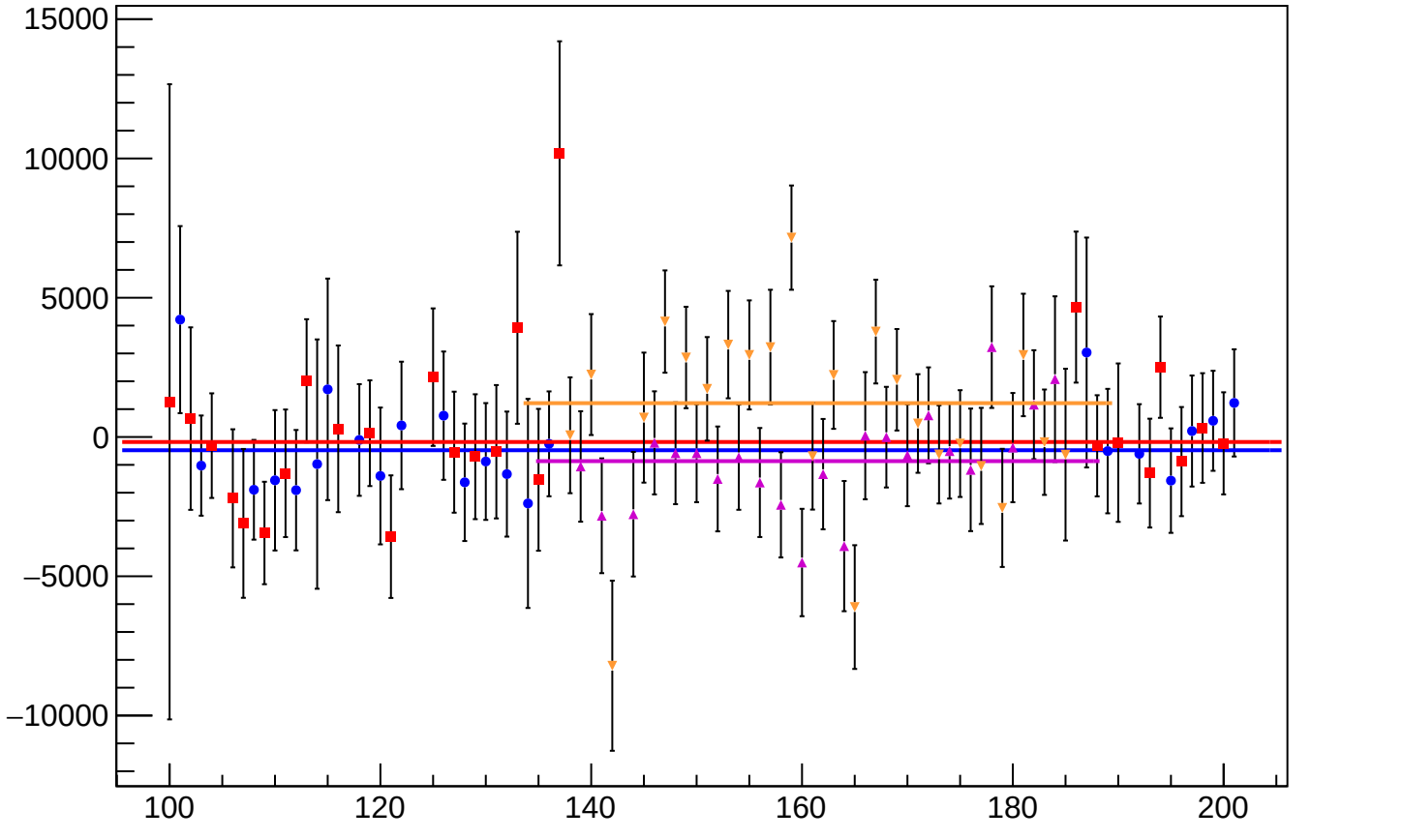
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6612.478+/-0.975 χ^2/NDF: 4683581.0/48

In: 7226.605+/-0.952 χ^2/NDF:3409912.3/45

Out: 7106.002+/-0.928 χ^2/NDF:4167256.2/49

All: 7164.746+/-0.665 χ^2/NDF: 7585392.1/95



Right In: -475.336+/-462.131 χ^2/NDF: 7.3/22

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -178.875+/-448.666 χ^2/NDF: 24.0/25

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

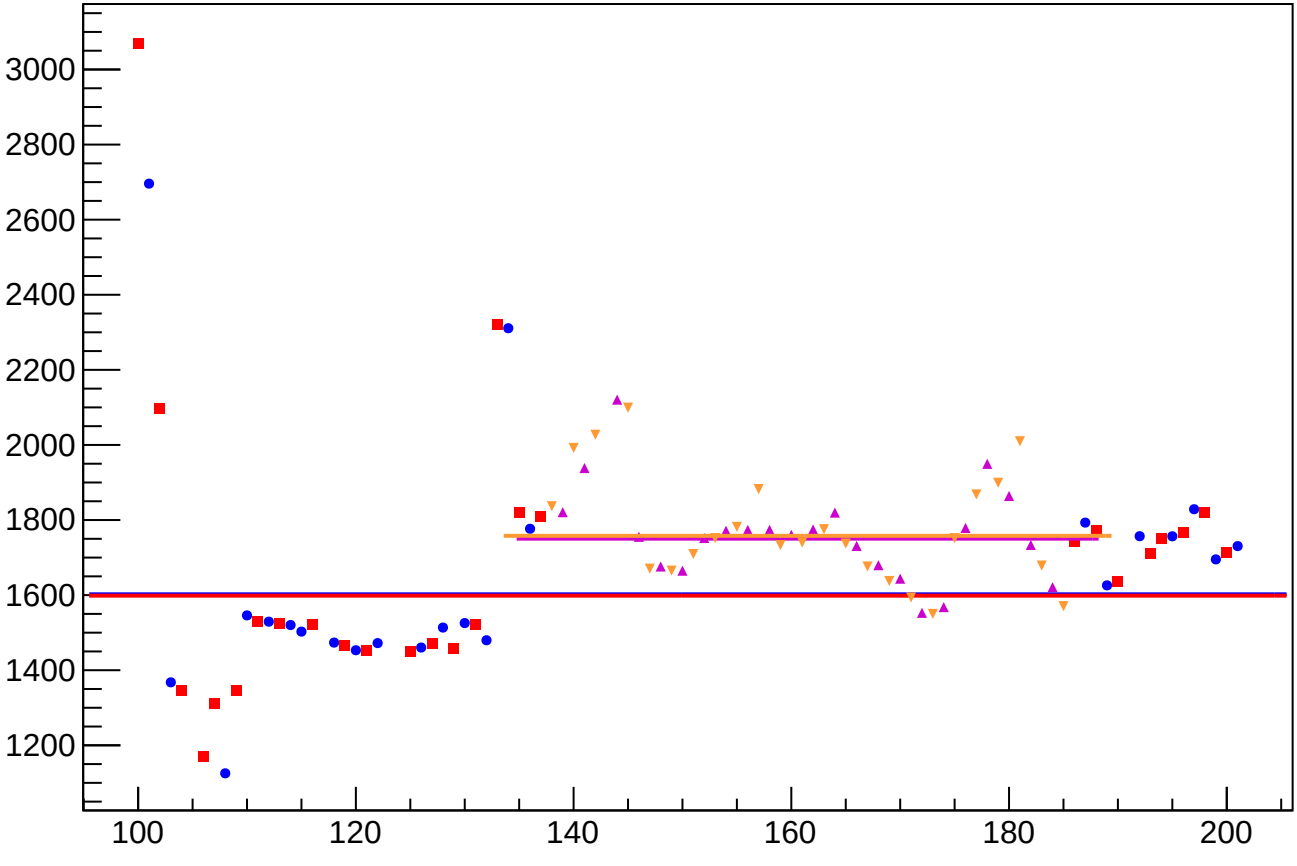
Right: -322.724+/-321.910 χ^2/NDF: 31.5/48

In: -693.930+/-306.712 χ^2/NDF:22.8/45

Out: 581.596+/-302.495 χ^2/NDF:77.7/49

All: -47.339+/-215.372 χ^2/NDF: 109.3/95

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



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: 1598.604+/-0.317 χ^2/NDF: 486383.9/25

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

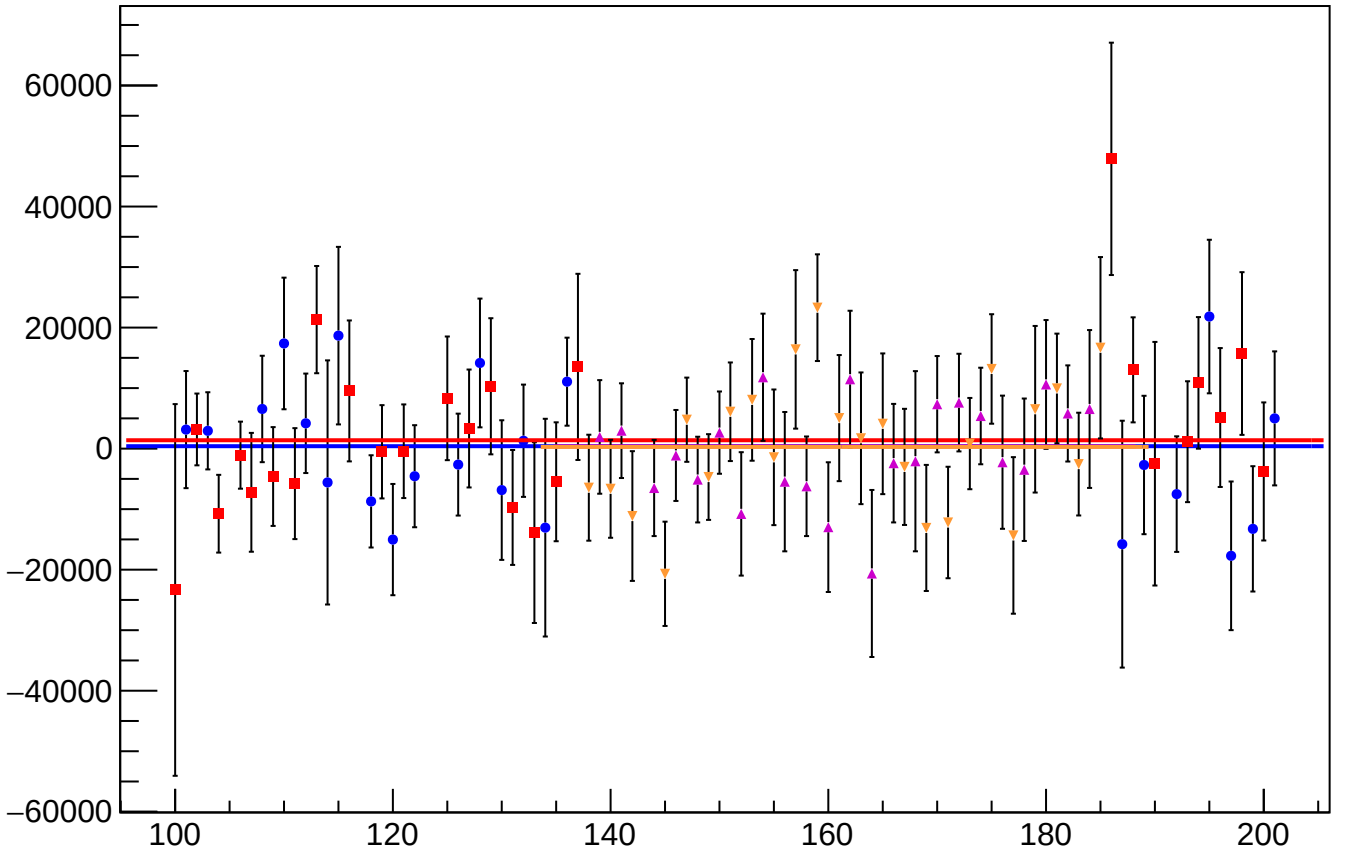
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1600.319+/-0.228 χ^2/NDF: 1083217.8/48

In: 1685.137+/-0.217 χ^2/NDF:883958.6/45

Out: 1685.512+/-0.214 χ^2/NDF:837319.4/49

All: 1685.327+/-0.152 χ^2/NDF: 1721279.4/95



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: 1385.227+/-1846.751 χ^2/NDF: 26.7/25

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

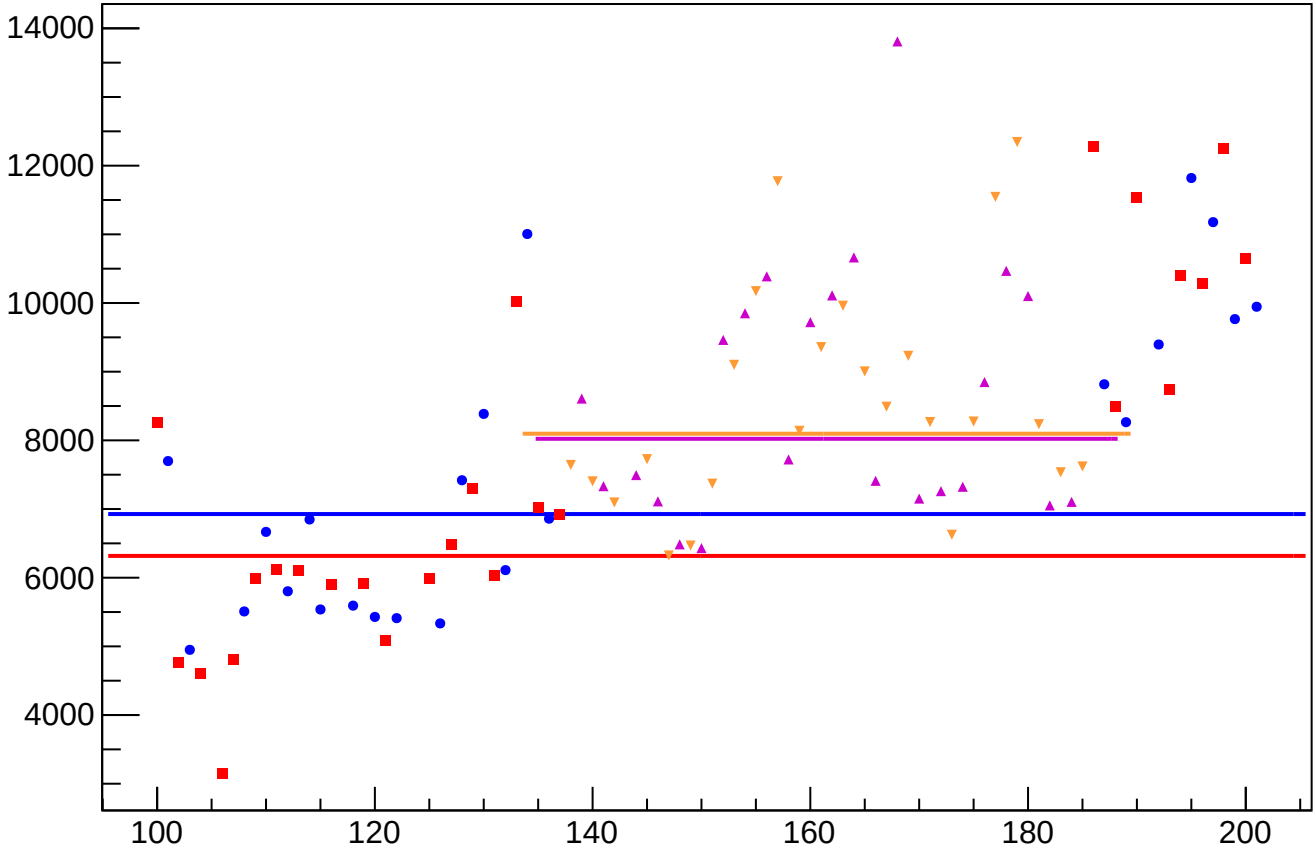
Right: 945.390+/-1373.154 χ^2/NDF: 49.6/48

In: 391.429+/-1399.502 χ^2/NDF:36.5/45

Out: 856.503+/-1331.037 χ^2/NDF:55.5/49

All: 635.620+/-964.481 χ^2/NDF: 92.0/95

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: 6317.243+/-1.306 χ^2/NDF: 2977730.7/25

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

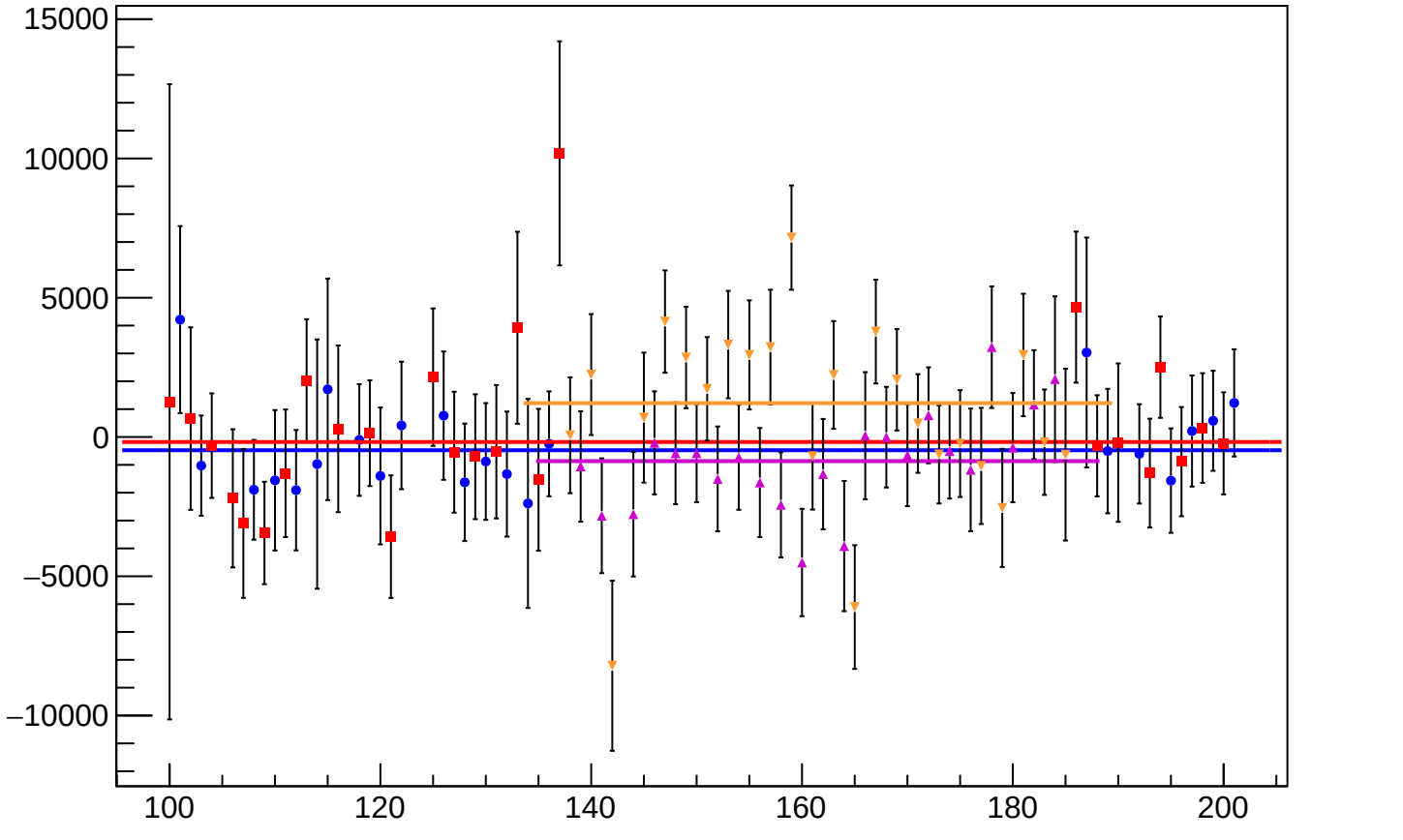
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6589.798+/-0.971 χ^2/NDF: 4808646.8/48

In: 7513.721+/-0.990 χ^2/NDF:3264092.9/45

Out: 7172.377+/-0.941 χ^2/NDF:4957931.1/49

All: 7334.496+/-0.682 χ^2/NDF: 8284494.6/95



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: -178.882+/-448.666 χ^2/NDF: 24.0/25

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

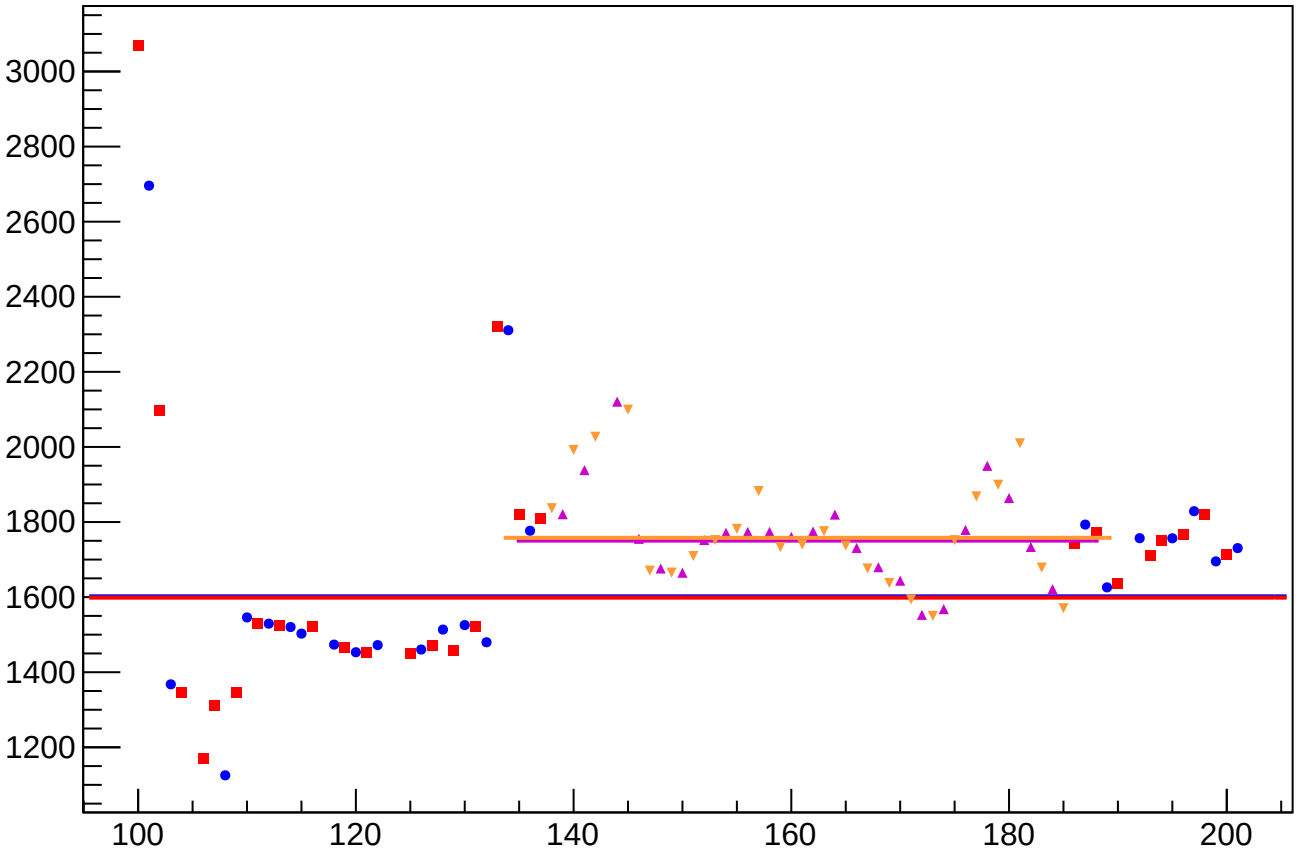
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -322.728+/-321.910 χ^2/NDF: 31.5/48

In: -693.930+/-306.712 χ^2/NDF:22.8/45

Out: 581.596+/-302.495 χ^2/NDF:77.7/49

All: -47.338+/-215.372 χ^2/NDF: 109.3/95



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: 1598.604+/-0.317 χ^2/NDF: 486385.0/25

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

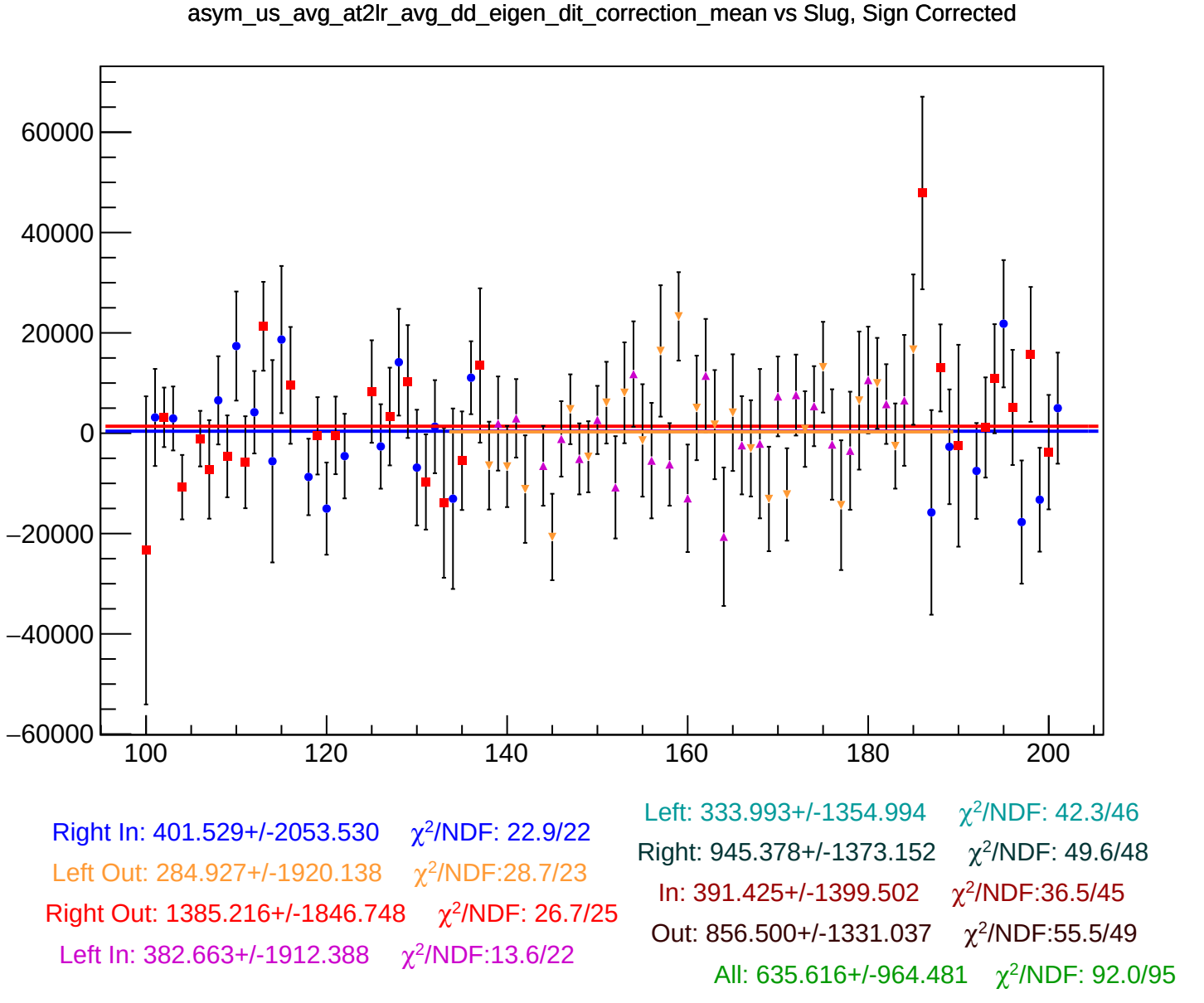
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1600.319+/-0.228 χ^2/NDF: 1083218.8/48

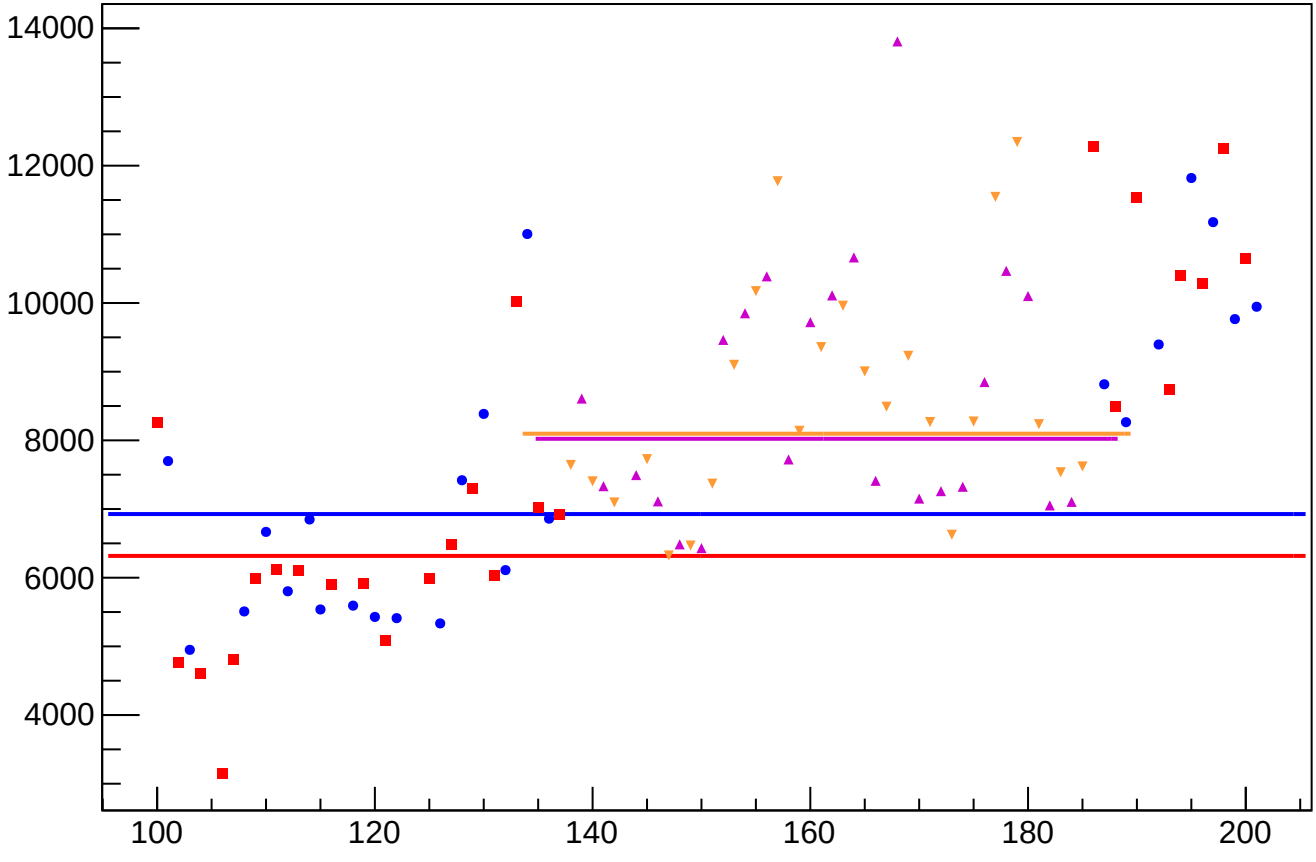
In: 1685.138+/-0.217 χ^2/NDF:883970.7/45

Out: 1685.514+/-0.214 χ^2/NDF:837332.7/49

All: 1685.329+/-0.152 χ^2/NDF: 1721305.0/95


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 401.529+/-2053.530 χ²/NDF: 22.9/22
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: 1385.216+/-1846.748 χ²/NDF: 26.7/25
Left In: 382.663+/-1912.388 χ²/NDF:13.6/22
Left: 333.993+/-1354.994 χ²/NDF: 42.3/46
Right: 945.378+/-1373.152 χ²/NDF: 49.6/48
In: 391.425+/-1399.502 χ²/NDF:36.5/45
Out: 856.500+/-1331.037 χ²/NDF:55.5/49
All: 635.616+/-964.481 χ²/NDF: 92.0/95

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: 6317.232+/-1.306 χ^2/NDF: 2977746.6/25

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

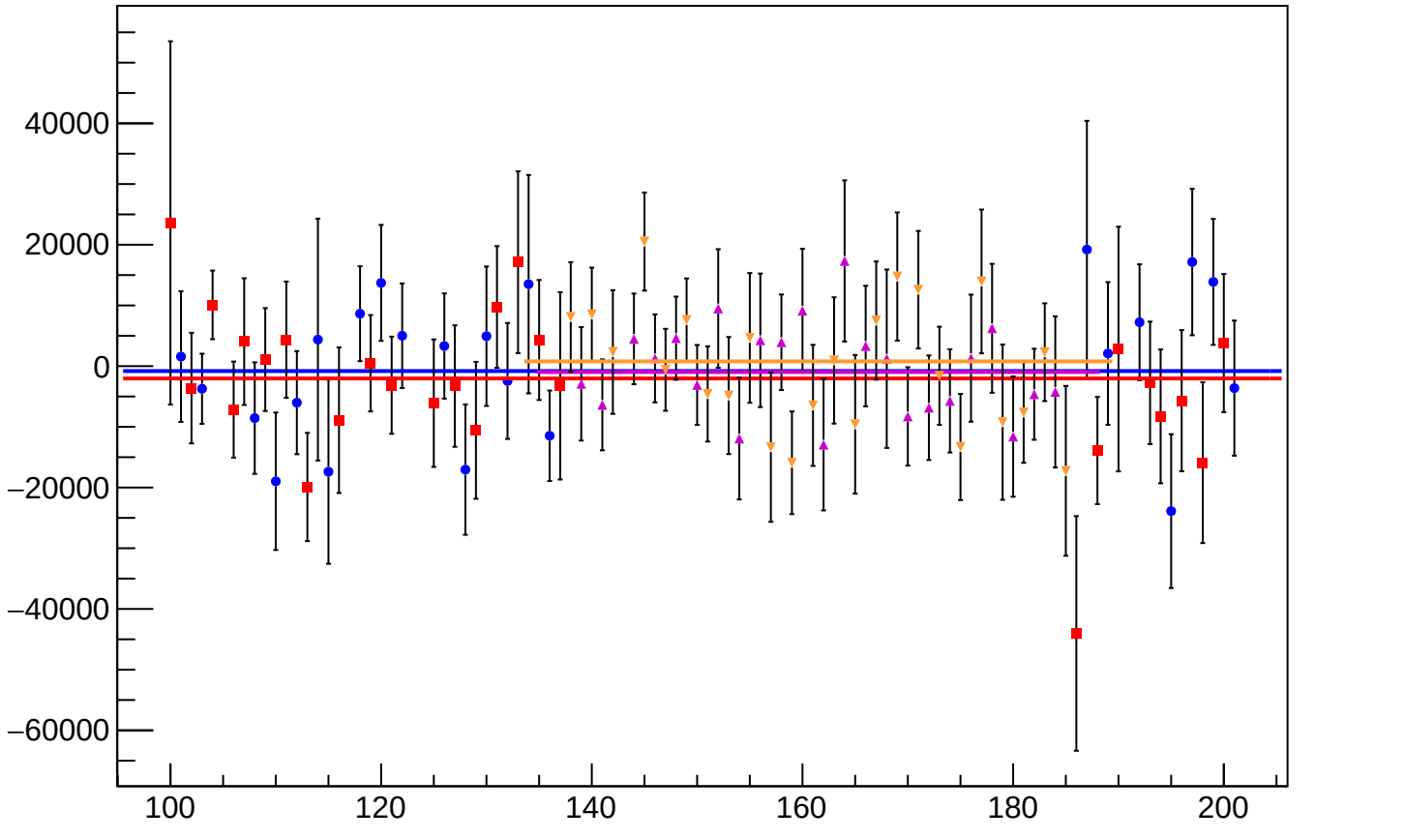
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6589.787+/-0.971 χ^2/NDF: 4808680.9/48

In: 7513.720+/-0.990 χ^2/NDF:3264128.7/45

Out: 7172.374+/-0.941 χ^2/NDF:4957973.0/49

All: 7334.494+/-0.682 χ^2/NDF: 8284572.8/95



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: -2032.307+/-1968.248 χ^2/NDF: 23.7/25

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

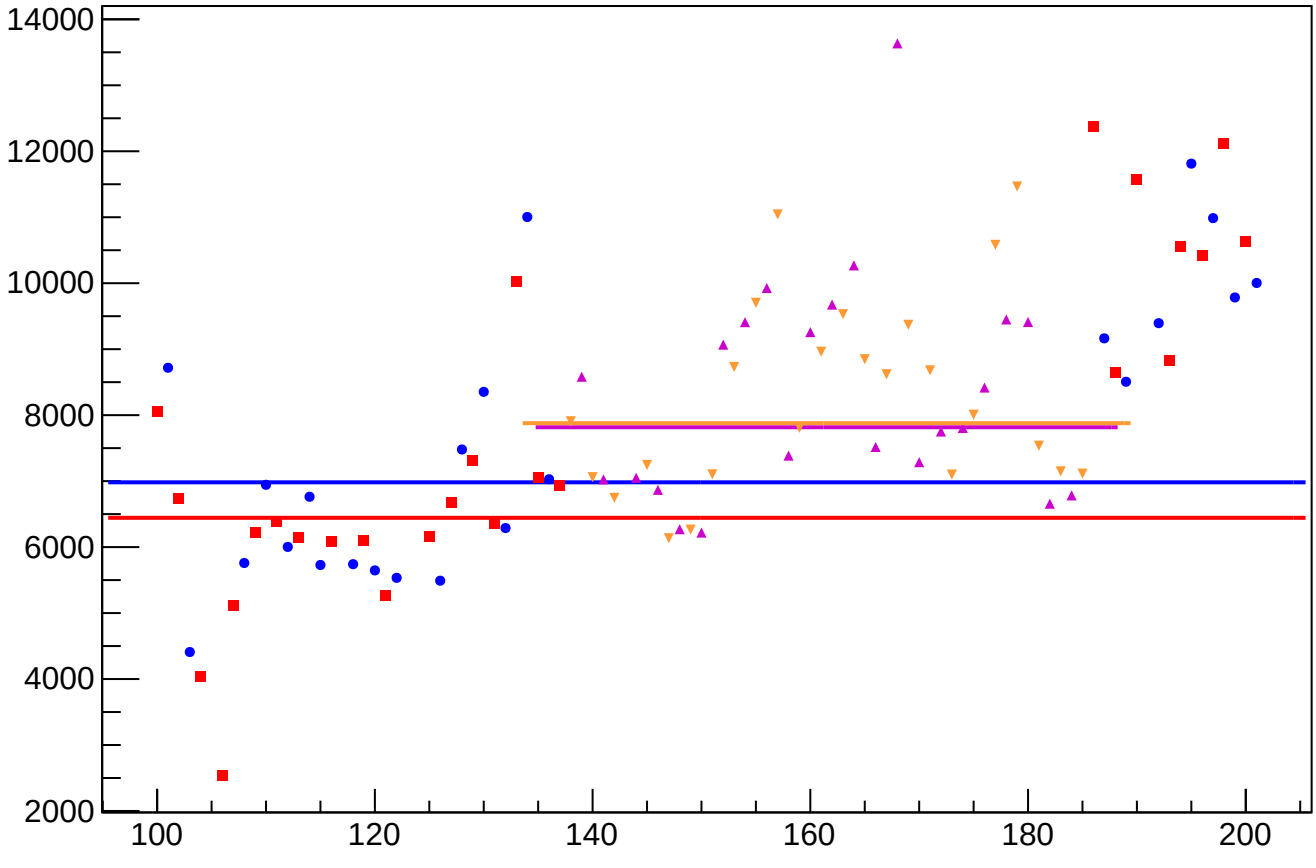
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1453.191+/-1427.862 χ^2/NDF: 48.1/48

In: -895.284+/-1384.848 χ^2/NDF:37.0/45

Out: -544.608+/-1353.826 χ^2/NDF:52.0/49

All: -715.974+/-968.081 χ^2/NDF: 89.0/95



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: 6443.862+/-1.352 χ^2/NDF: 3251410.8/25

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

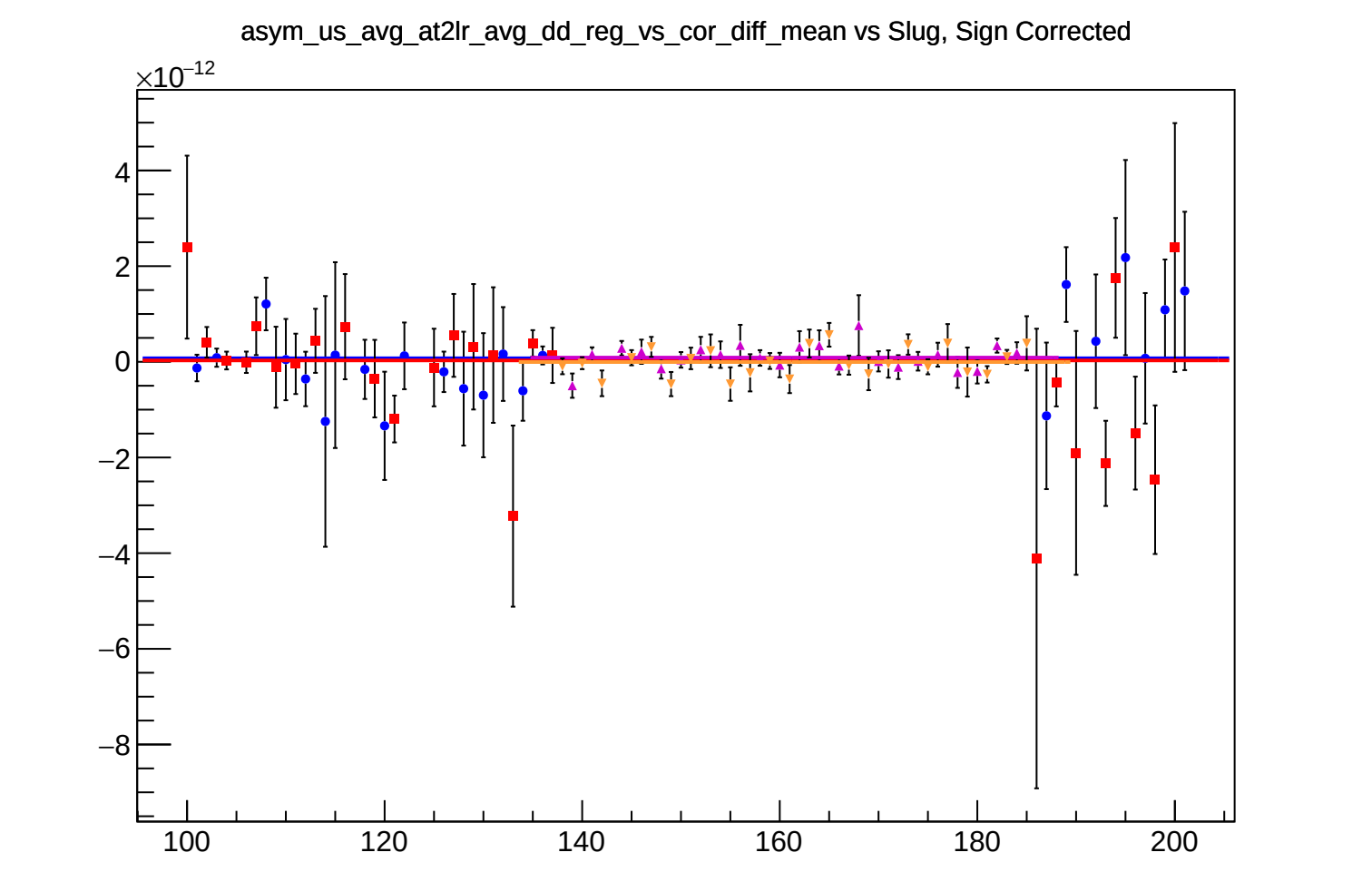
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6691.002+/-0.994 χ^2/NDF: 5184716.9/48

In: 7444.517+/-0.979 χ^2/NDF:3172452.0/45

Out: 7179.157+/-0.944 χ^2/NDF:4818284.7/49

All: 7307.001+/-0.680 χ^2/NDF: 8028791.9/95



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: 31.8/25

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

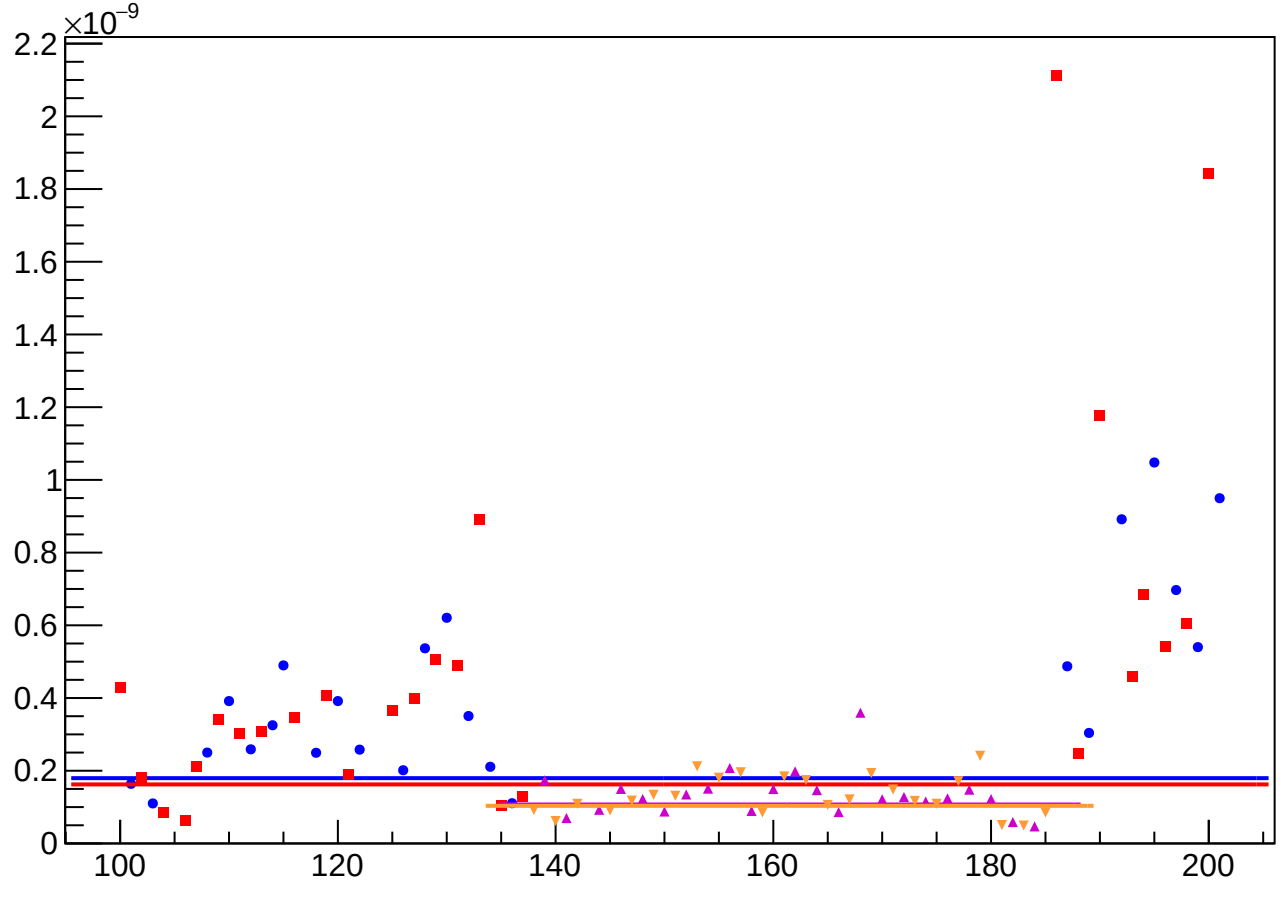
Right: 0.000+/-0.000 χ^2/NDF: 48.9/48

In: 0.000+/-0.000 χ^2/NDF:36.4/45

Out: 0.000+/-0.000 χ^2/NDF:60.5/49

All: 0.000+/-0.000 χ^2/NDF: 99.0/95

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: 4729041.1/25

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

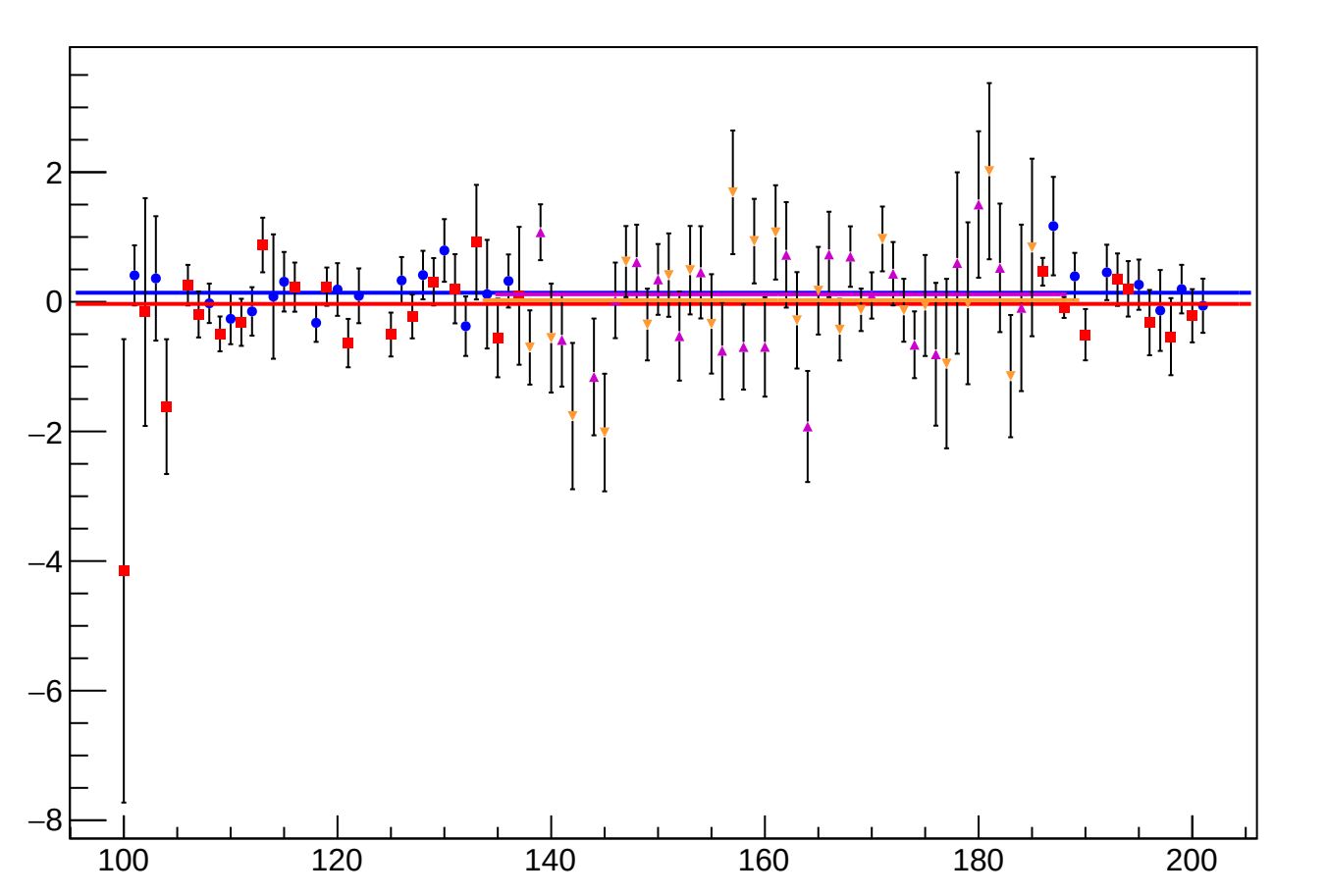
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 8126817.2/48

In: 0.000+/-0.000 χ^2/NDF:5817988.4/45

Out: 0.000+/-0.000 χ^2/NDF:7226598.0/49

All: 0.000+/-0.000 χ^2/NDF: 13065549.4/95



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: -0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

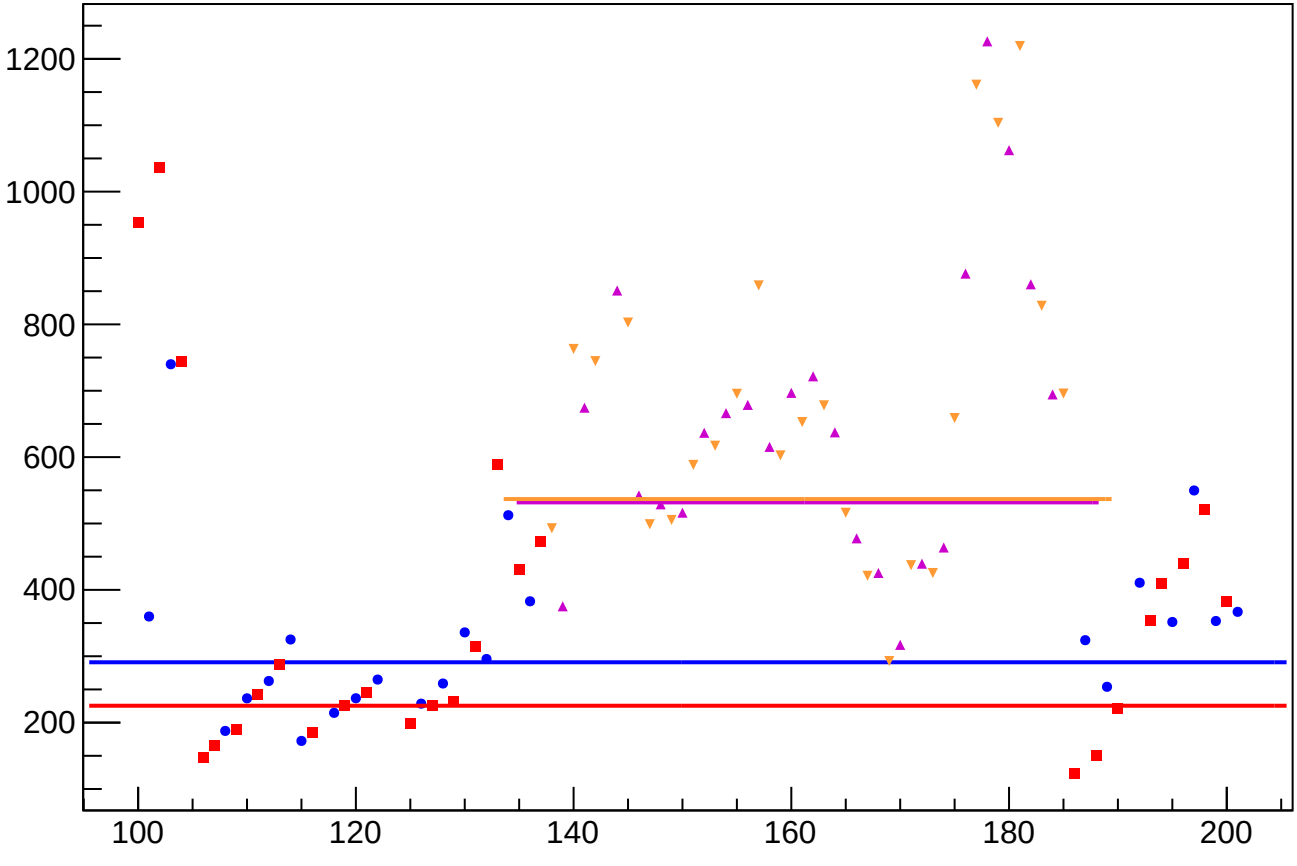
Right: 0.036+/-0.056 χ^2/NDF: 46.3/48

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.045+/-0.048 χ^2/NDF: 103.5/95

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

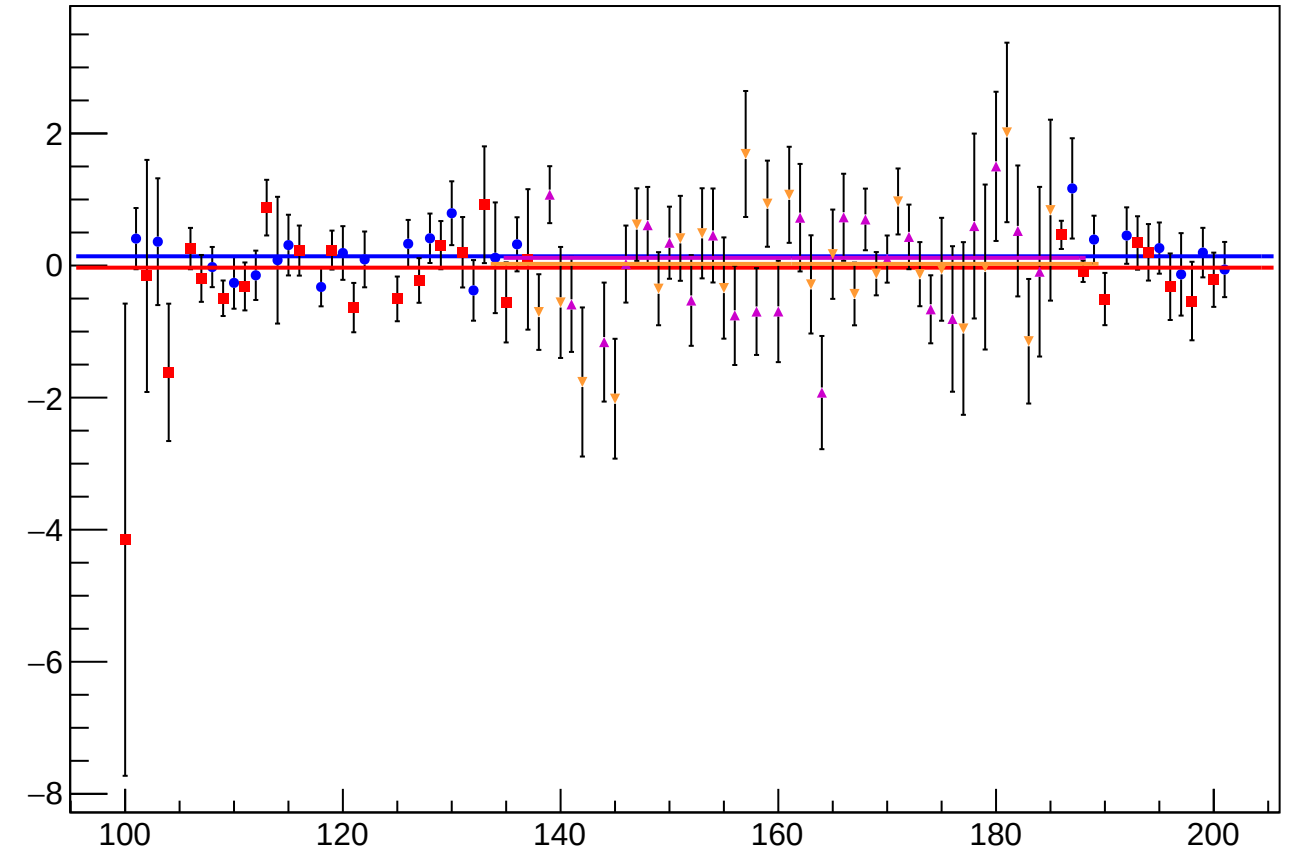
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 251.192+/-0.039 χ^2/NDF: 7424524.3/48

In: 365.328+/-0.052 χ^2/NDF:10055268.6/45

Out: 294.194+/-0.045 χ^2/NDF:17038799.3/49

All: 324.234+/-0.034 χ^2/NDF: 28172477.9/95



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: -0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

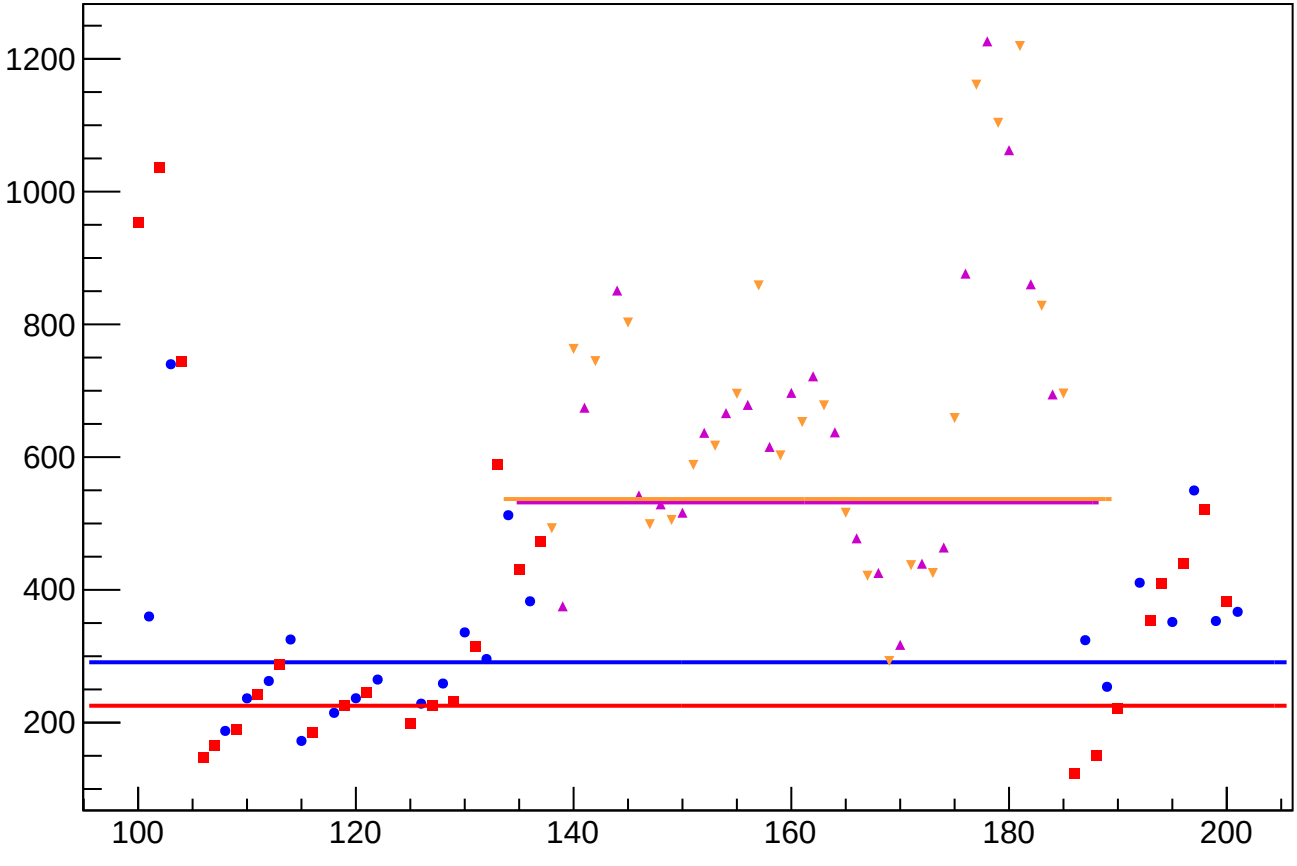
Right: 0.036+/-0.056 χ^2/NDF: 46.3/48

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.045+/-0.048 χ^2/NDF: 103.5/95

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

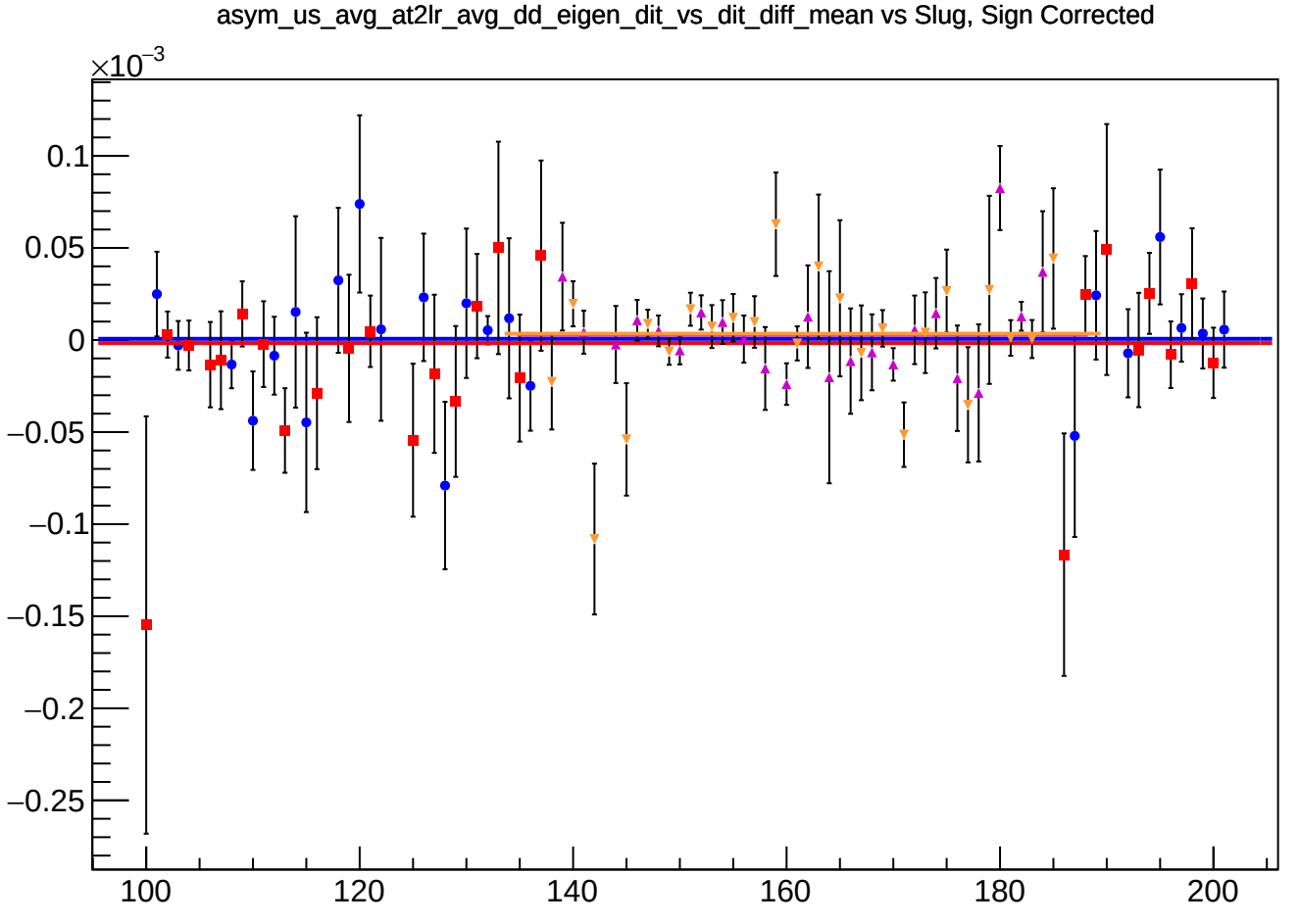
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 251.192+/-0.039 χ^2/NDF: 7424524.3/48

In: 365.328+/-0.052 χ^2/NDF:10055268.6/45

Out: 294.194+/-0.045 χ^2/NDF:17038799.3/49

All: 324.234+/-0.034 χ^2/NDF: 28172477.9/95



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: 21.1/25

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

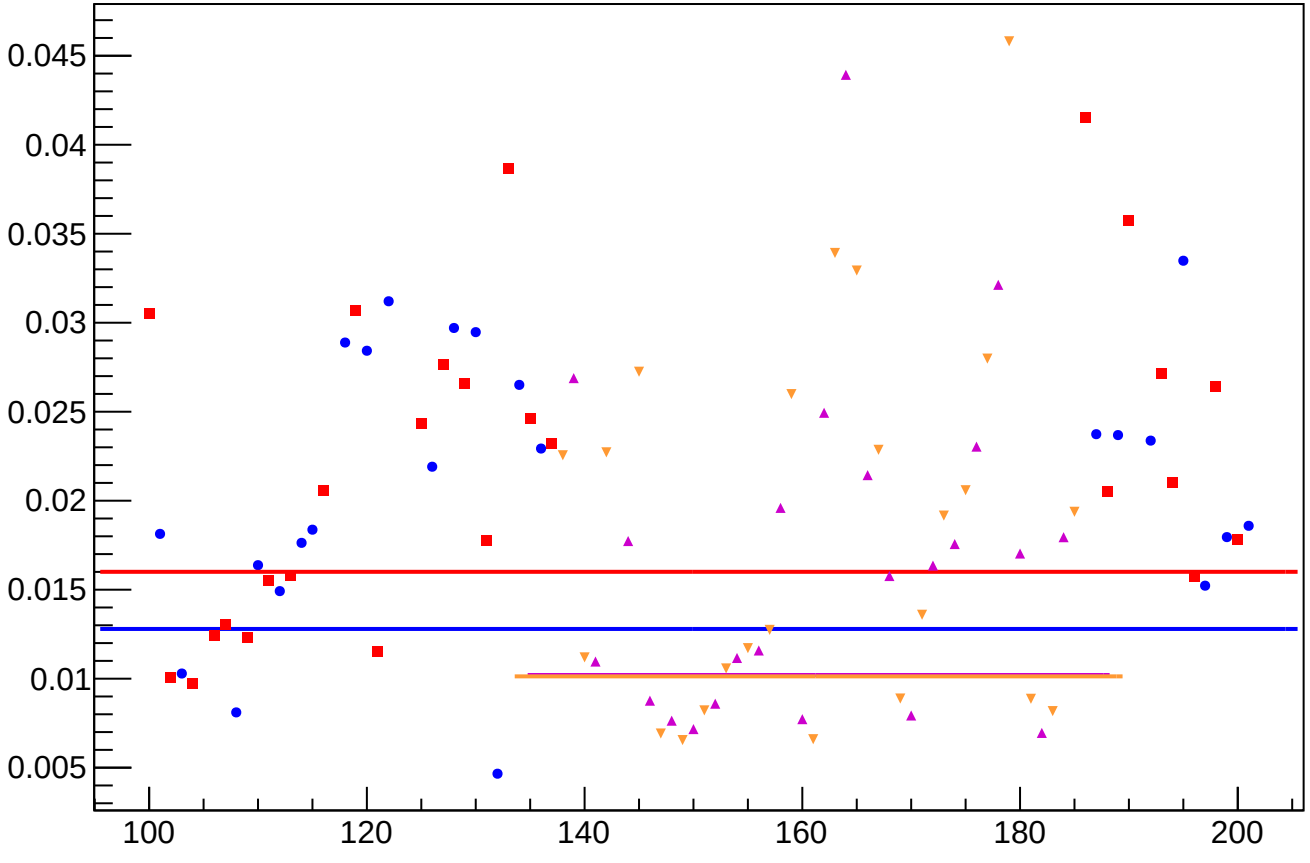
Right: -0.000+/-0.000 χ^2/NDF: 39.7/48

In: 0.000+/-0.000 χ^2/NDF:50.8/45

Out: 0.000+/-0.000 χ^2/NDF:61.0/49

All: 0.000+/-0.000 χ^2/NDF: 111.8/95

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: 3493721.9/25

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

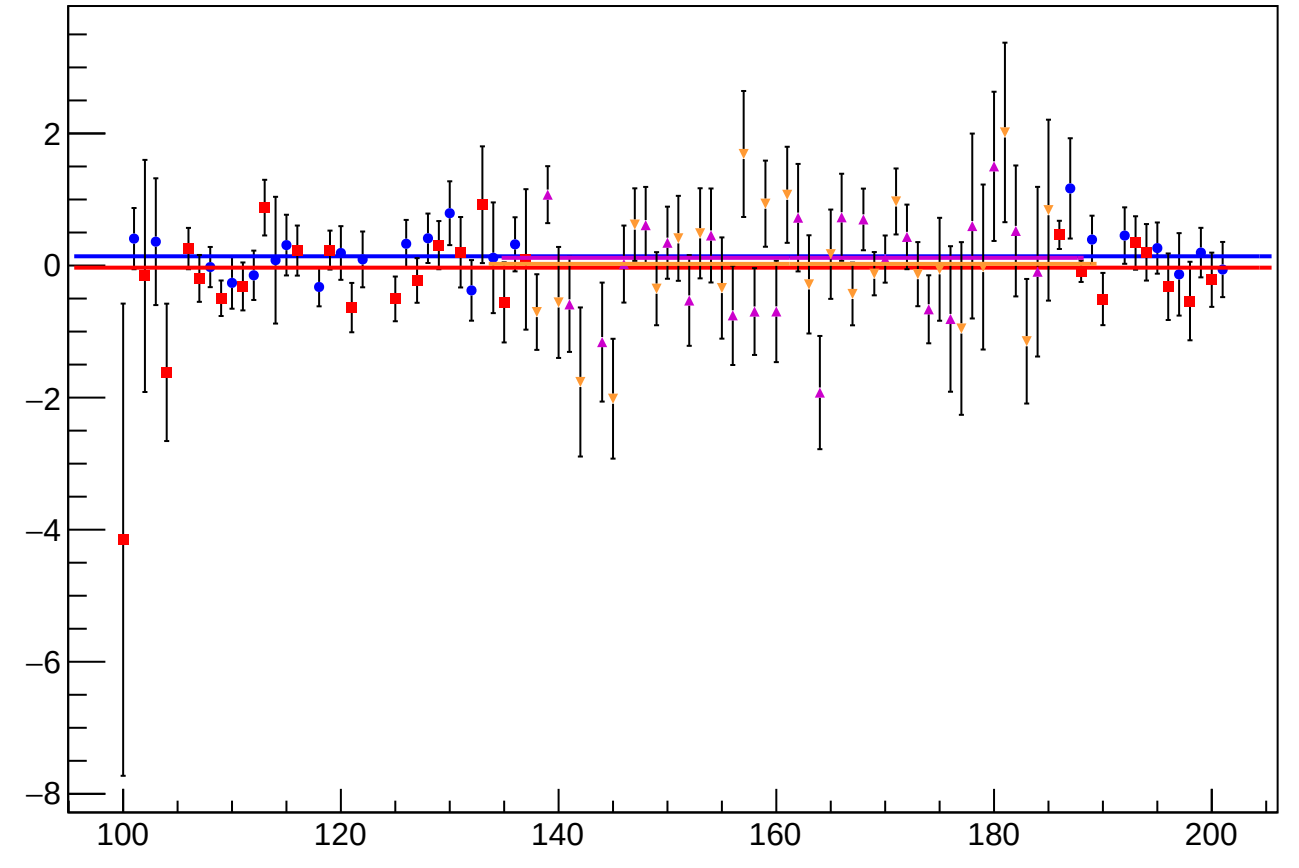
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.014+/-0.000 χ^2/NDF: 10532782.7/48

In: 0.011+/-0.000 χ^2/NDF:13126178.9/45

Out: 0.012+/-0.000 χ^2/NDF:13555653.1/49

All: 0.011+/-0.000 χ^2/NDF: 26751013.5/95



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: -0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

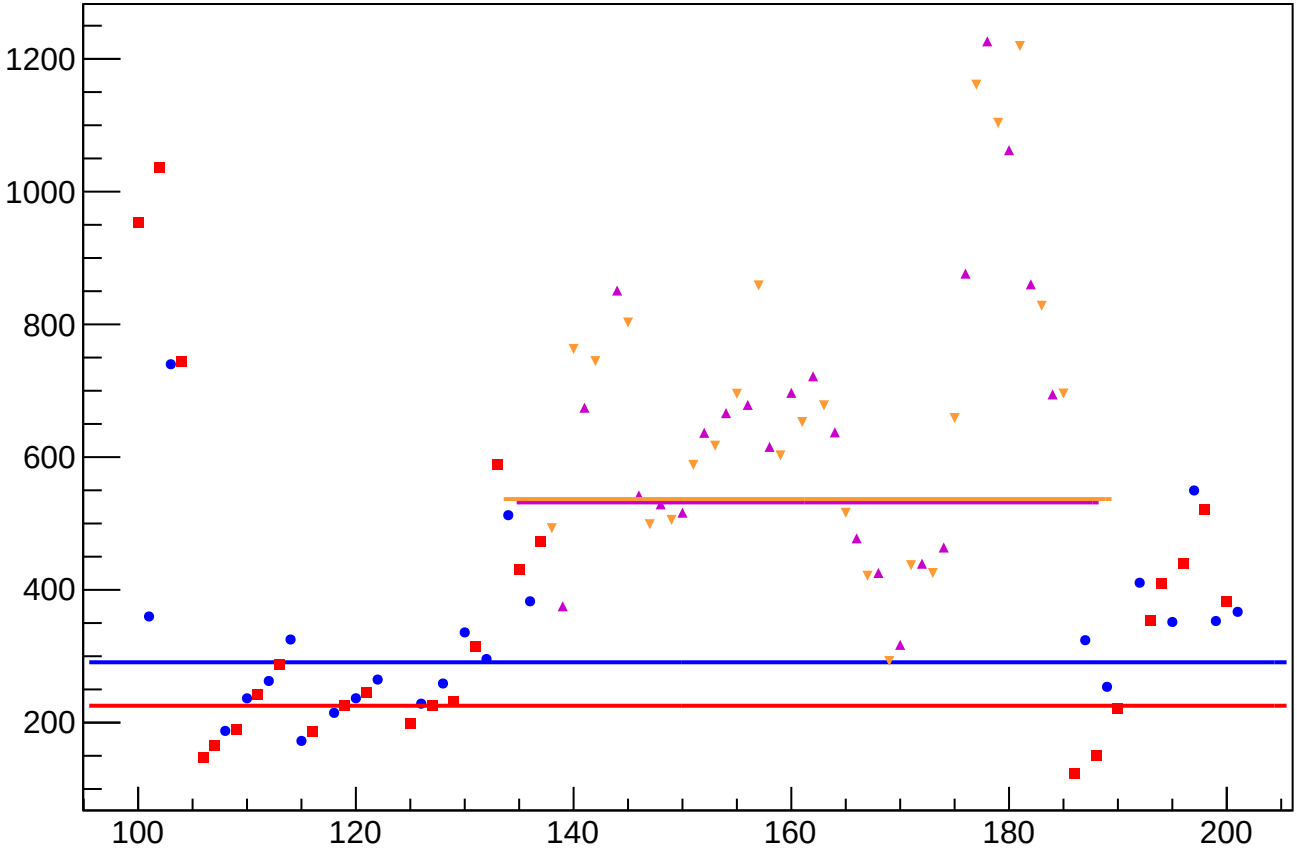
Right: 0.036+/-0.056 χ^2/NDF: 46.3/48

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.045+/-0.048 χ^2/NDF: 103.5/95

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: 225.440+/-0.050 χ^2/NDF: 4657085.2/25

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

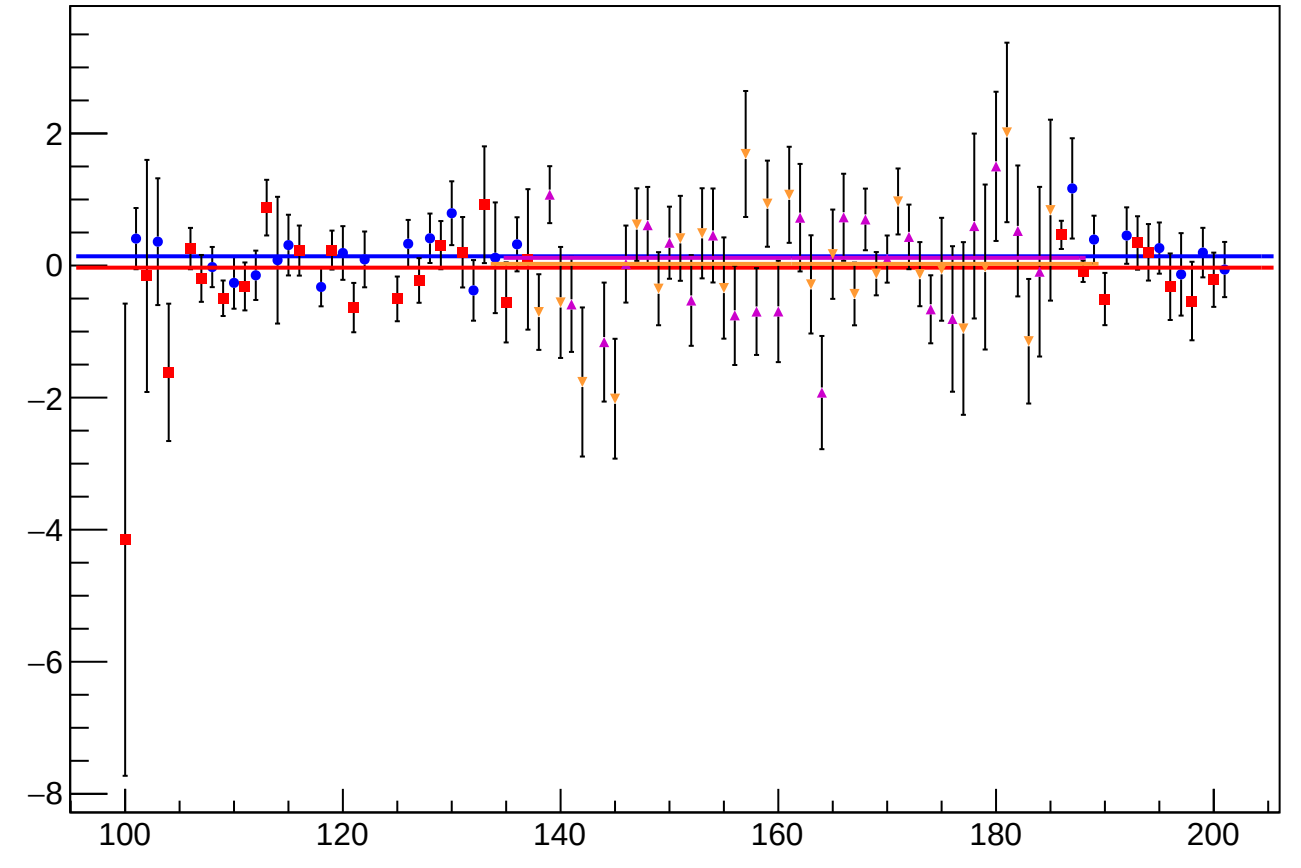
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 251.190+/-0.039 χ^2/NDF: 7424660.0/48

In: 365.326+/-0.052 χ^2/NDF:10055510.5/45

Out: 294.191+/-0.045 χ^2/NDF:17039251.0/49

All: 324.231+/-0.034 χ^2/NDF: 28173223.7/95



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: -0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

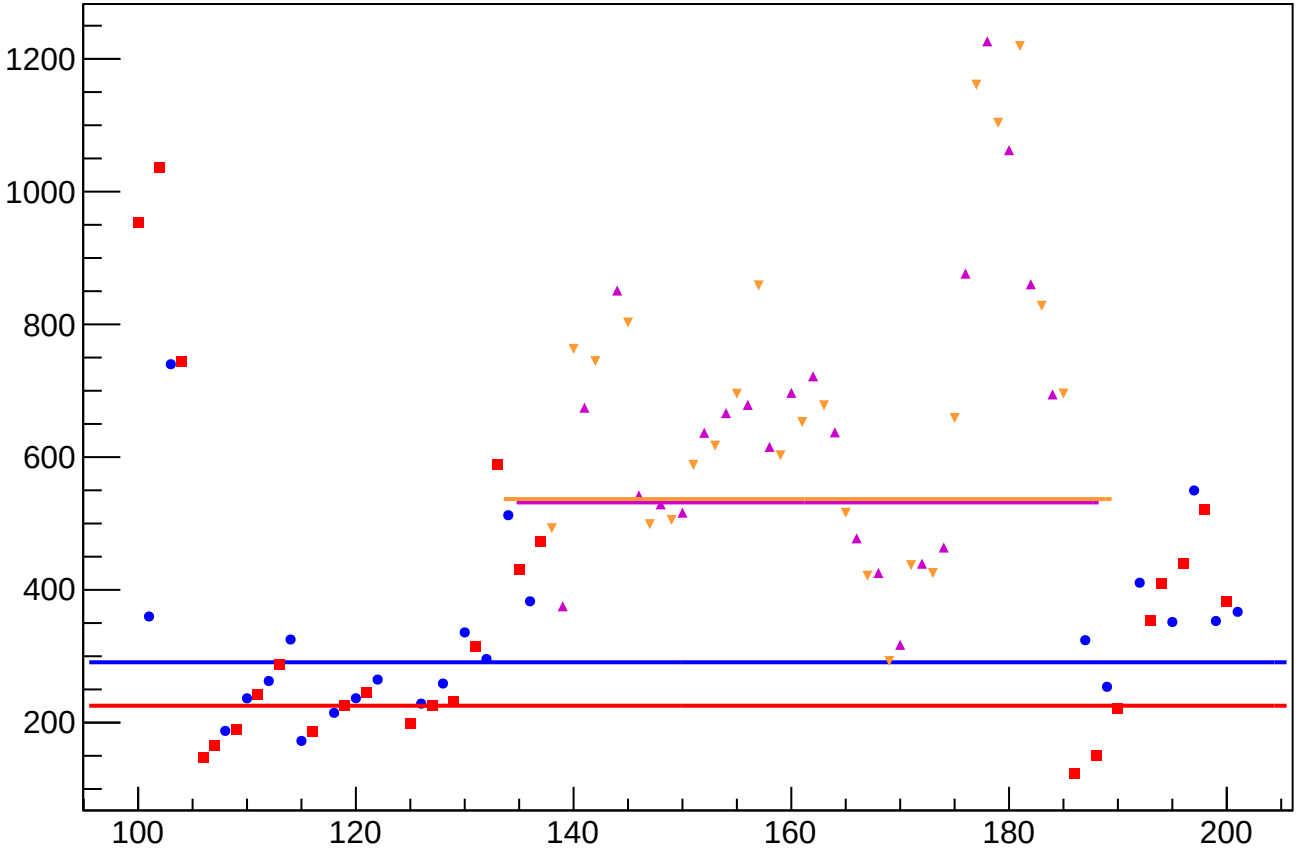
Right: 0.036+/-0.056 χ^2/NDF: 46.3/48

In: 0.133+/-0.074 χ^2/NDF:40.3/45

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.045+/-0.048 χ^2/NDF: 103.5/95

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: 225.440+/-0.050 χ^2/NDF: 4657085.2/25

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

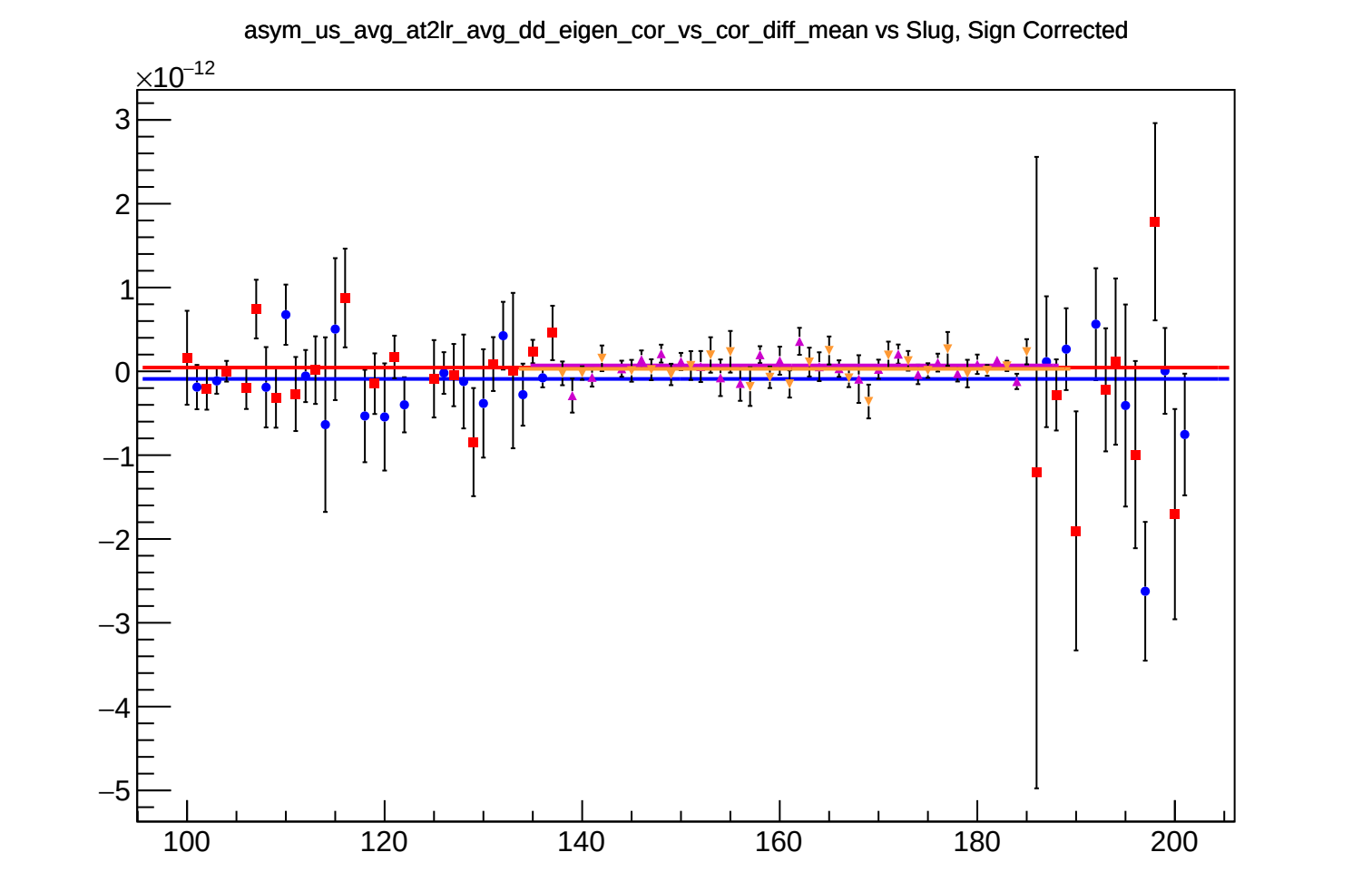
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 251.190+/-0.039 χ^2/NDF: 7424660.0/48

In: 365.326+/-0.052 χ^2/NDF:10055510.5/45

Out: 294.191+/-0.045 χ^2/NDF:17039251.0/49

All: 324.231+/-0.034 χ^2/NDF: 28173223.7/95



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: 23.5/25

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

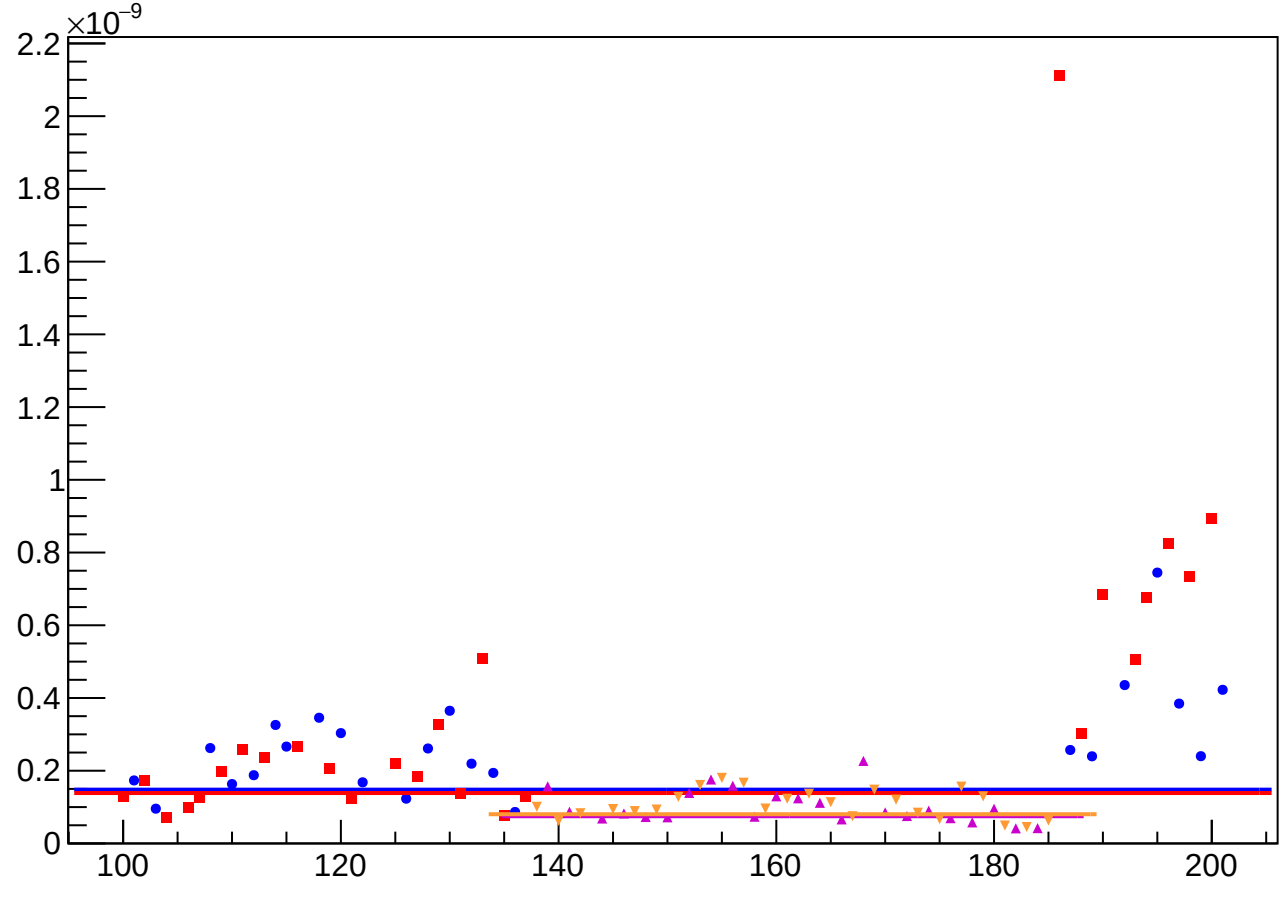
Right: -0.000+/-0.000 χ^2/NDF: 47.3/48

In: 0.000+/-0.000 χ^2/NDF:50.2/45

Out: 0.000+/-0.000 χ^2/NDF:41.3/49

All: 0.000+/-0.000 χ^2/NDF: 92.0/95

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: 6355194.5/25

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

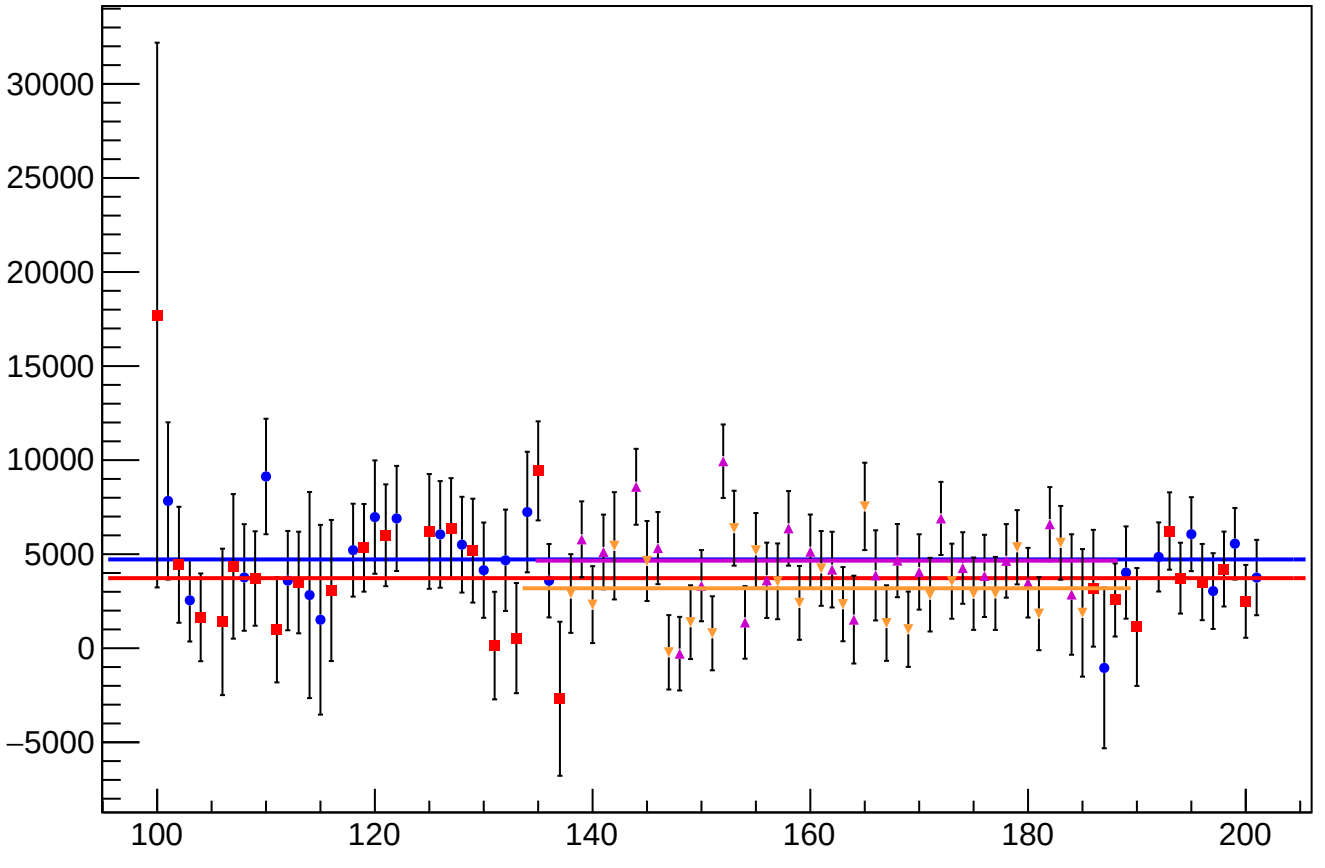
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 9753407.0/48

In: 0.000+/-0.000 χ^2/NDF:9192951.8/45

Out: 0.000+/-0.000 χ^2/NDF:11572068.1/49

All: 0.000+/-0.000 χ^2/NDF: 20818313.7/95



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: 3724.988+/-511.935 χ^2/NDF: 19.2/25

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

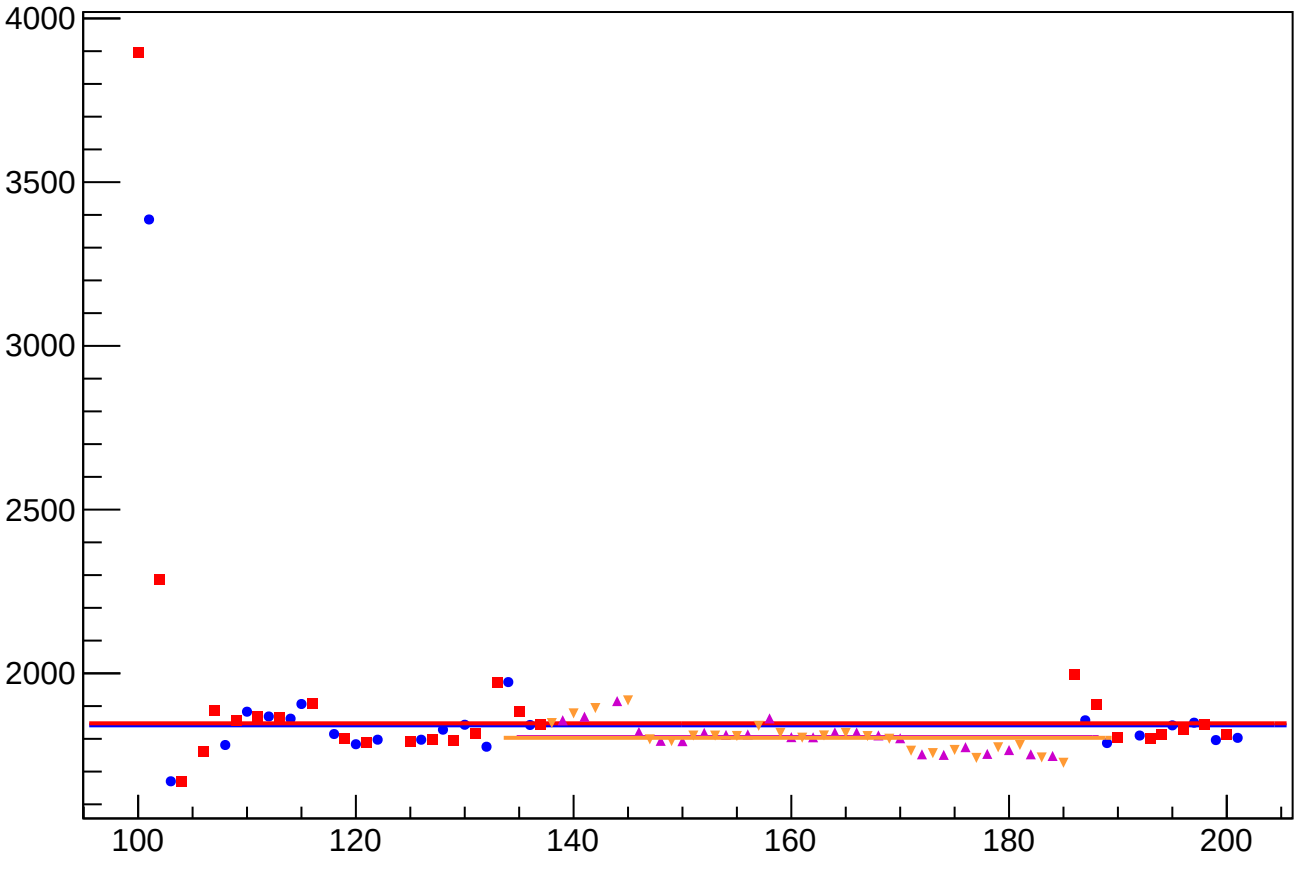
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4208.014+/-367.344 χ^2/NDF: 31.5/48

In: 4680.746+/-329.360 χ^2/NDF:38.2/45

Out: 3402.656+/-324.067 χ^2/NDF:39.8/49

All: 4031.349+/-230.998 χ^2/NDF: 85.6/95



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: 1847.429+/-0.361 χ^2/NDF: 111570.1/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

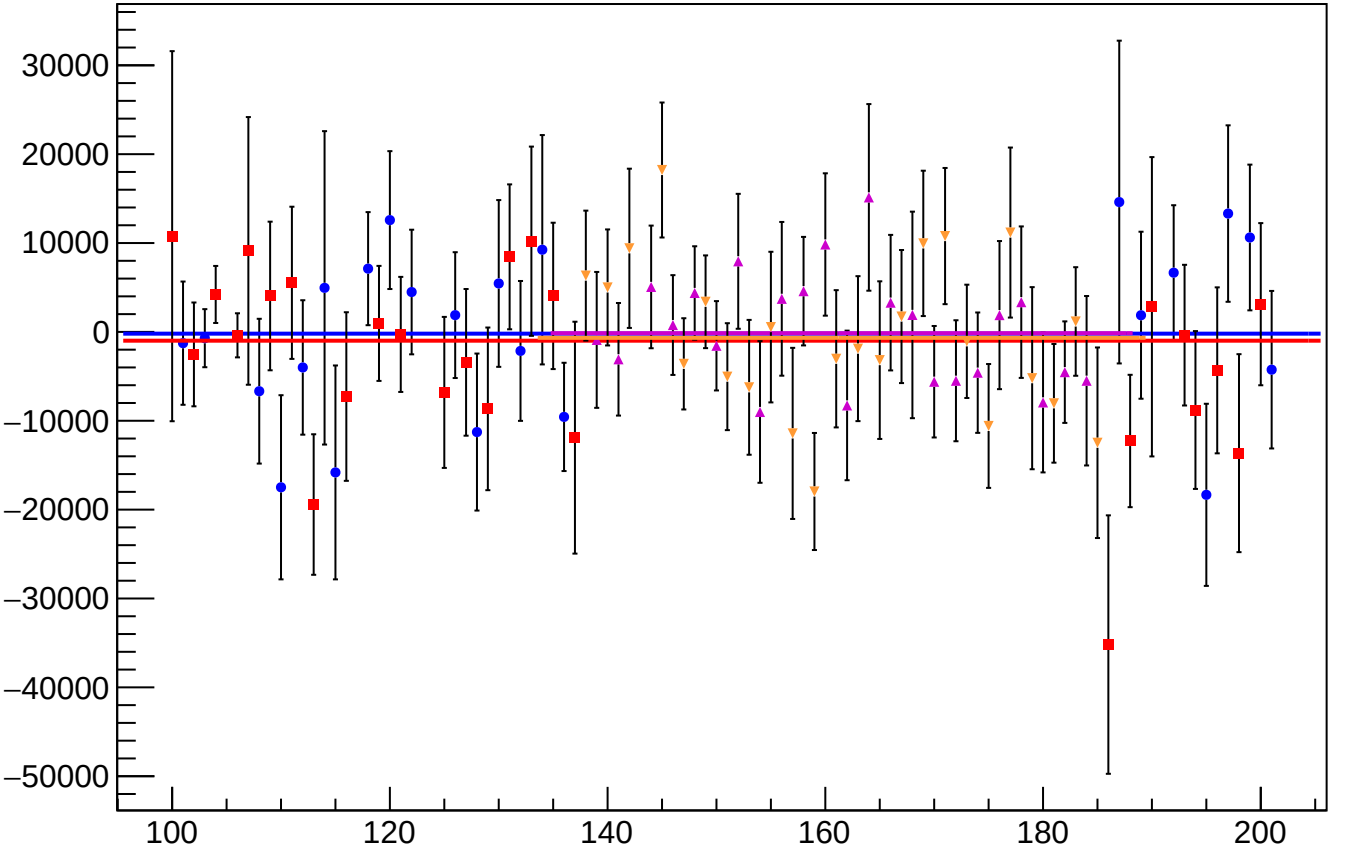
Right: 1844.432+/-0.260 χ^2/NDF: 408869.5/48

In: 1819.473+/-0.233 χ^2/NDF:322056.4/45

Out: 1820.907+/-0.229 χ^2/NDF:141209.9/49

All: 1820.202+/-0.163 χ^2/NDF: 463285.5/95

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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: -988.827+/-1324.870 χ^2/NDF: 25.5/25

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

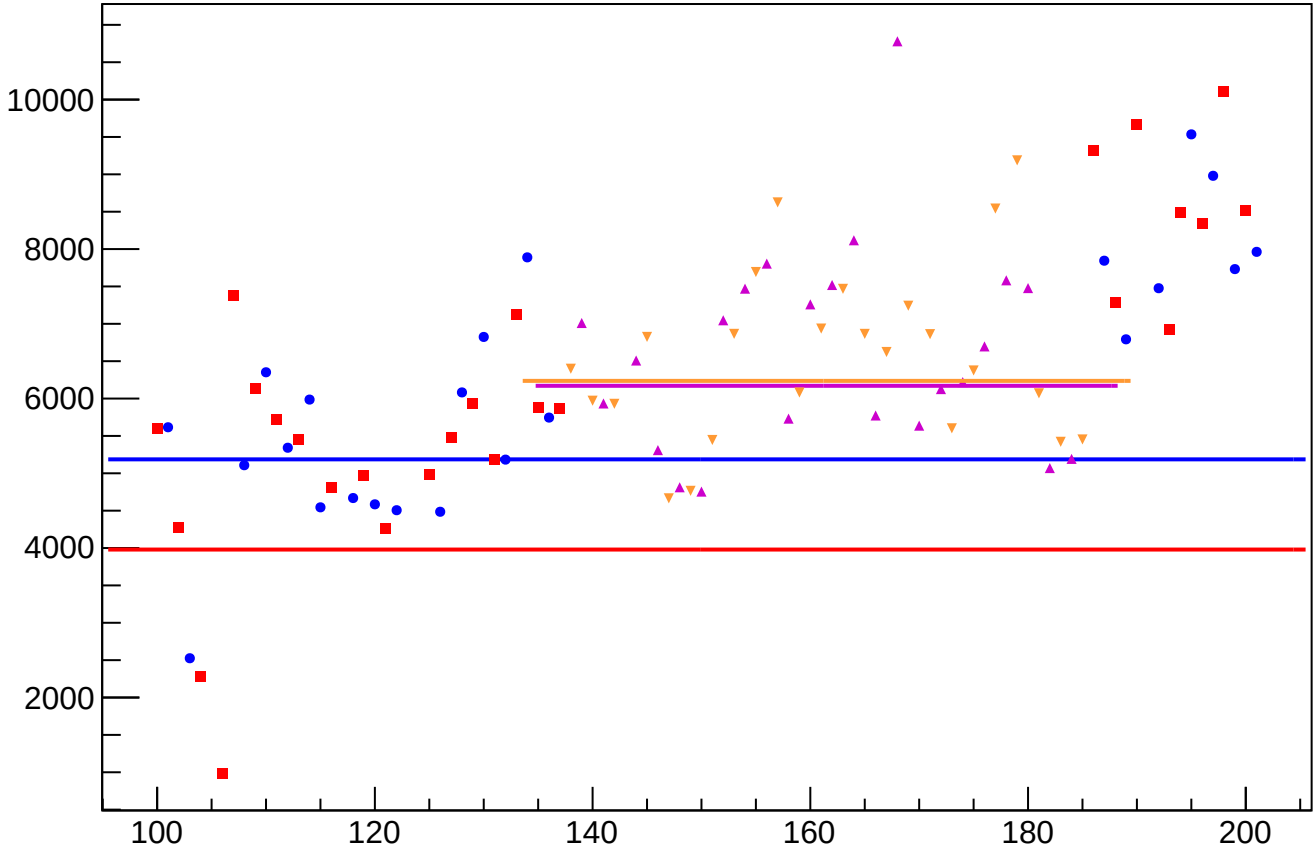
Right: -662.374+/-1015.357 χ^2/NDF: 49.1/48

In: -168.641+/-1076.965 χ^2/NDF:37.0/45

Out: -845.638+/-986.772 χ^2/NDF:55.3/49

All: -536.670+/-727.553 χ^2/NDF: 92.5/95

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5186.537+/-1.118 χ^2/NDF: 2943978.1/22

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3979.766+/-0.937 χ^2/NDF: 7721960.0/25

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

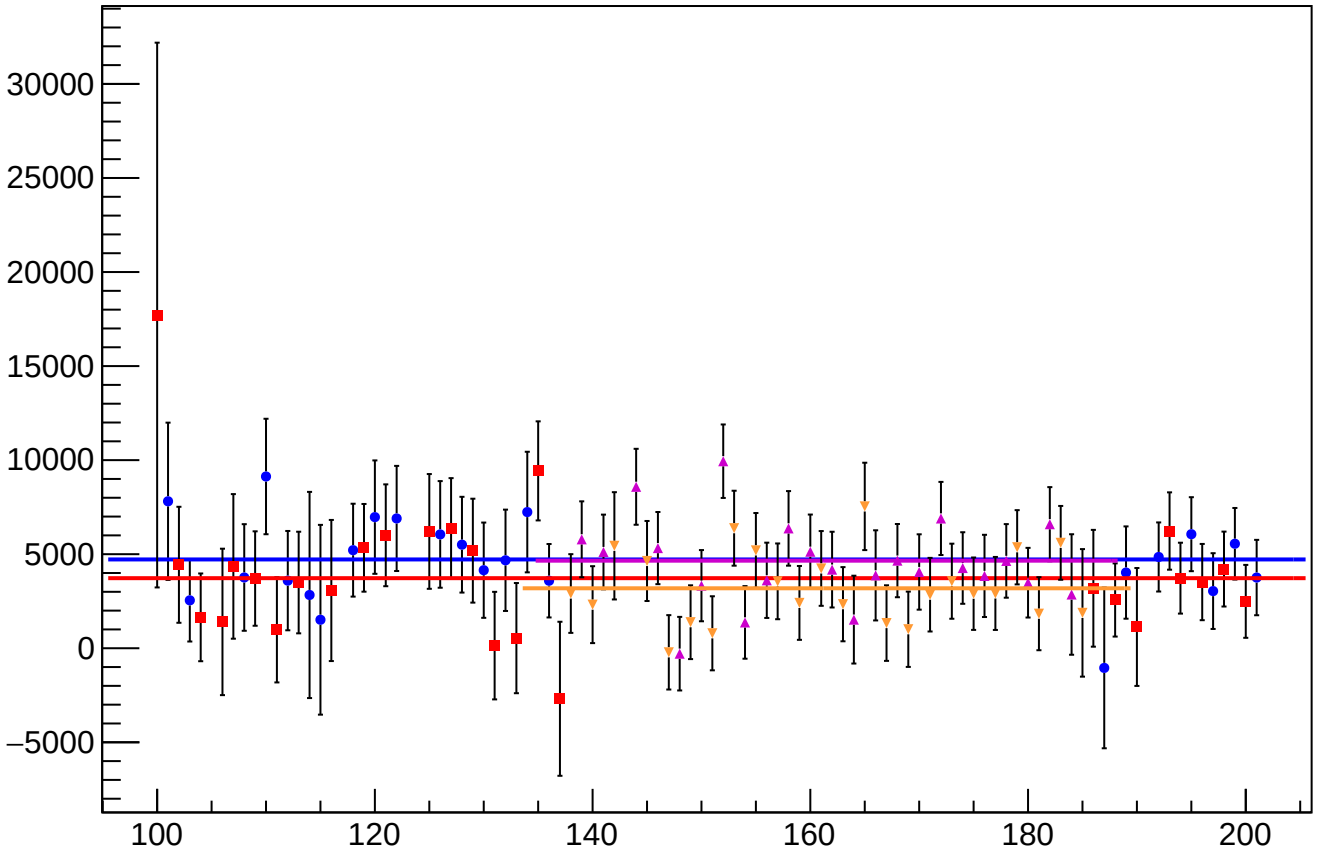
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4477.750+/-0.718 χ^2/NDF: 11350674.5/48

In: 5713.847+/-0.762 χ^2/NDF:4597018.7/45

Out: 4984.665+/-0.698 χ^2/NDF:11373740.5/49

All: 5317.449+/-0.514 χ^2/NDF: 16469177.4/9



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: 3724.874+/-511.935 χ^2/NDF: 19.2/25

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

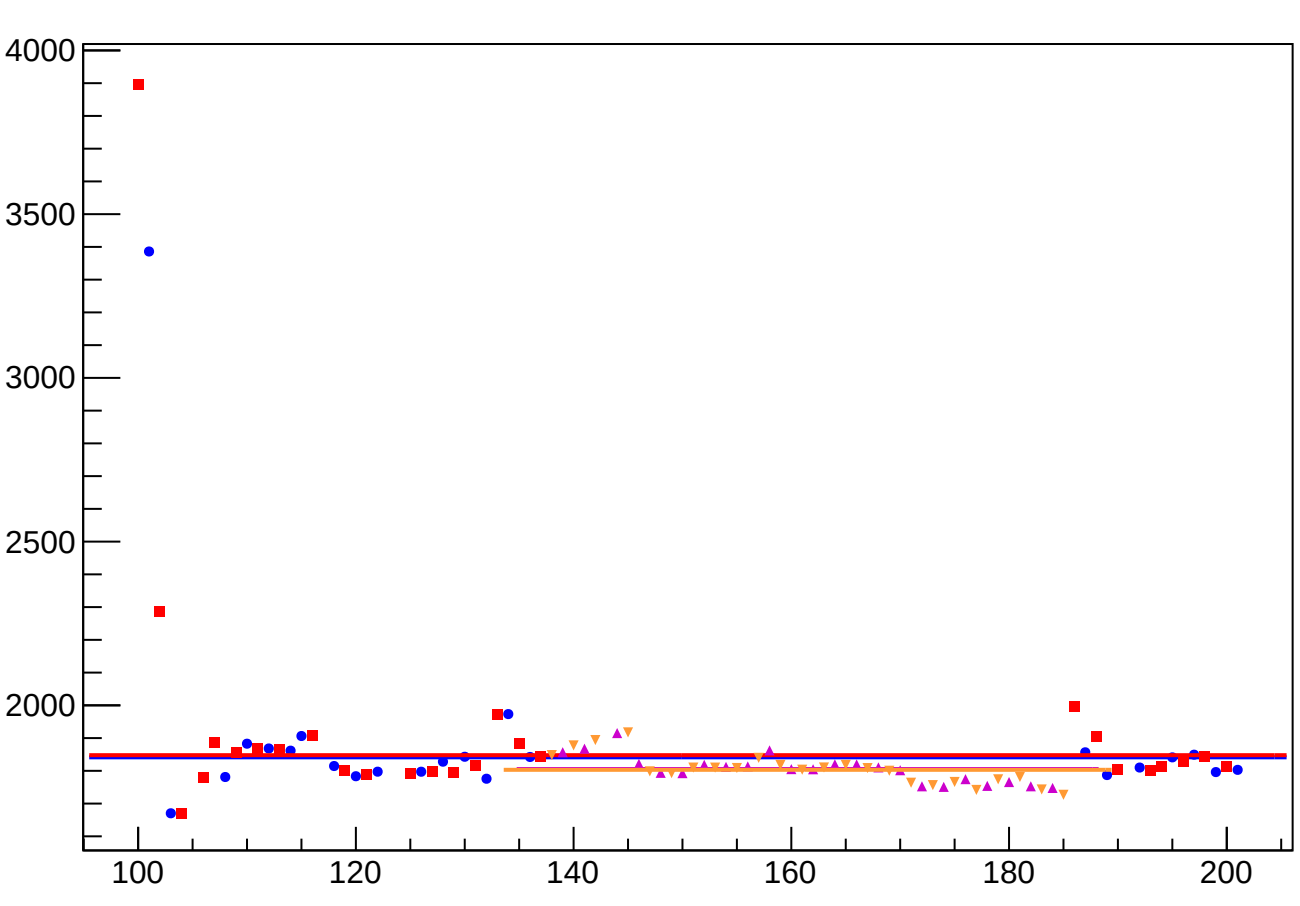
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4207.859+/-367.344 χ^2/NDF: 31.5/48

In: 4680.680+/-329.360 χ^2/NDF:38.2/45

Out: 3402.569+/-324.067 χ^2/NDF:39.8/49

All: 4031.272+/-230.998 χ^2/NDF: 85.6/95



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: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

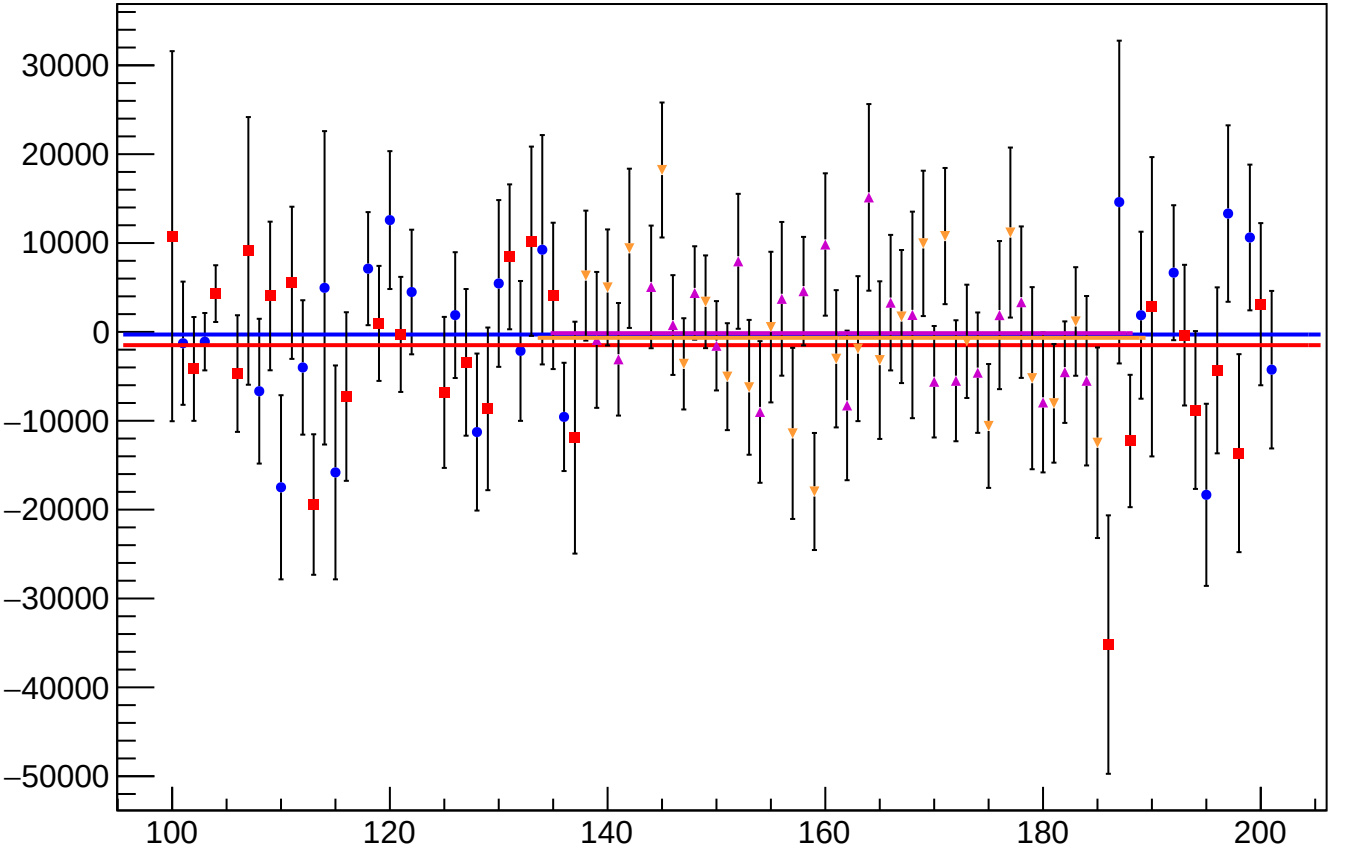
Right: 1844.628+/-0.260 χ^2/NDF: 408455.5/48

In: 1819.473+/-0.233 χ^2/NDF:322058.2/45

Out: 1821.057+/-0.229 χ^2/NDF:140929.5/49

All: 1820.278+/-0.163 χ^2/NDF: 463011.2/95

asym_us_avg_atlr_avg_avg_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: -1492.800+/-1522.353 χ^2/NDF: 26.0/25

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

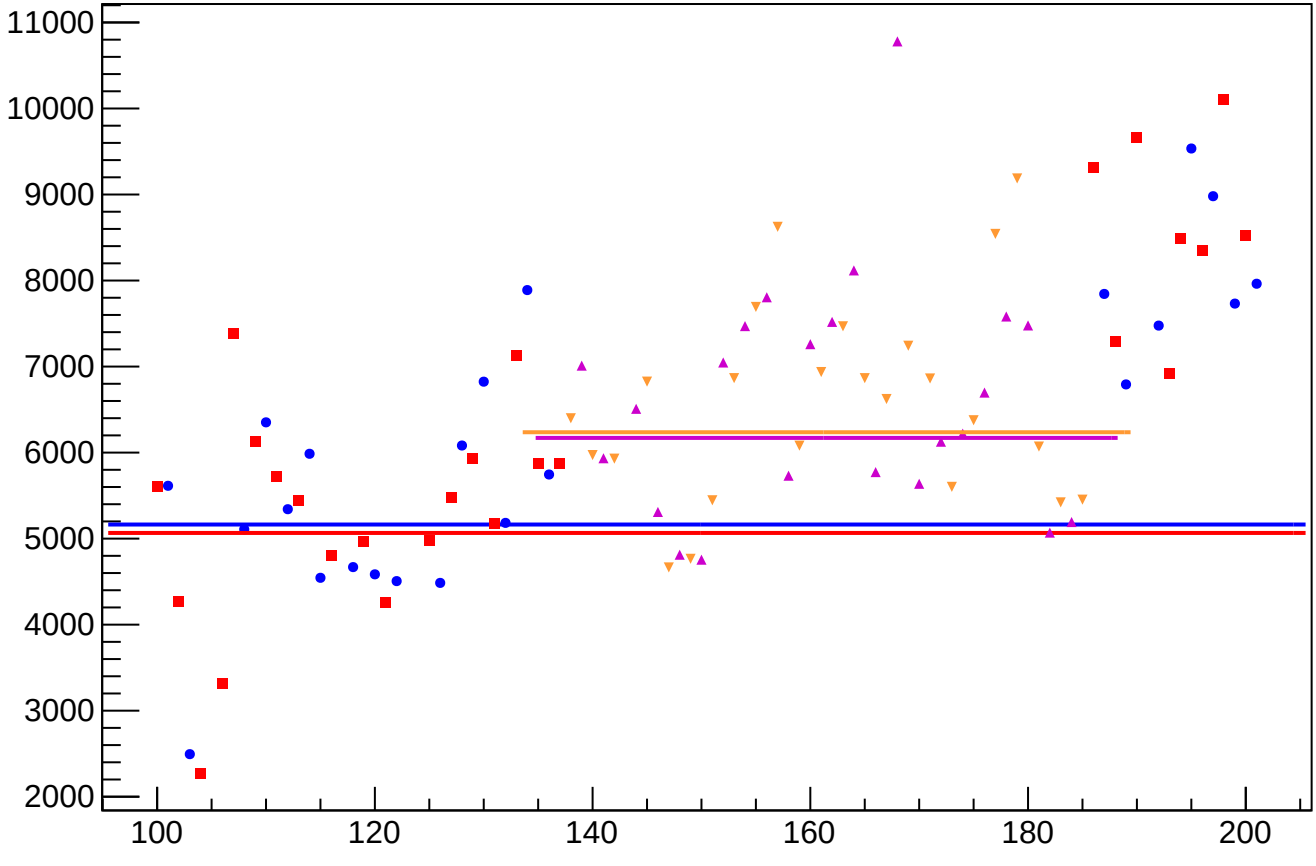
Right: -914.654+/-1094.963 χ^2/NDF: 49.8/48

In: -213.977+/-1075.526 χ^2/NDF:37.0/45

Out: -1068.044+/-1060.732 χ^2/NDF:55.9/49

All: -646.925+/-755.227 χ^2/NDF: 93.3/95

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: 5066.007+/-1.076 χ^2/NDF: 3816606.8/25

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

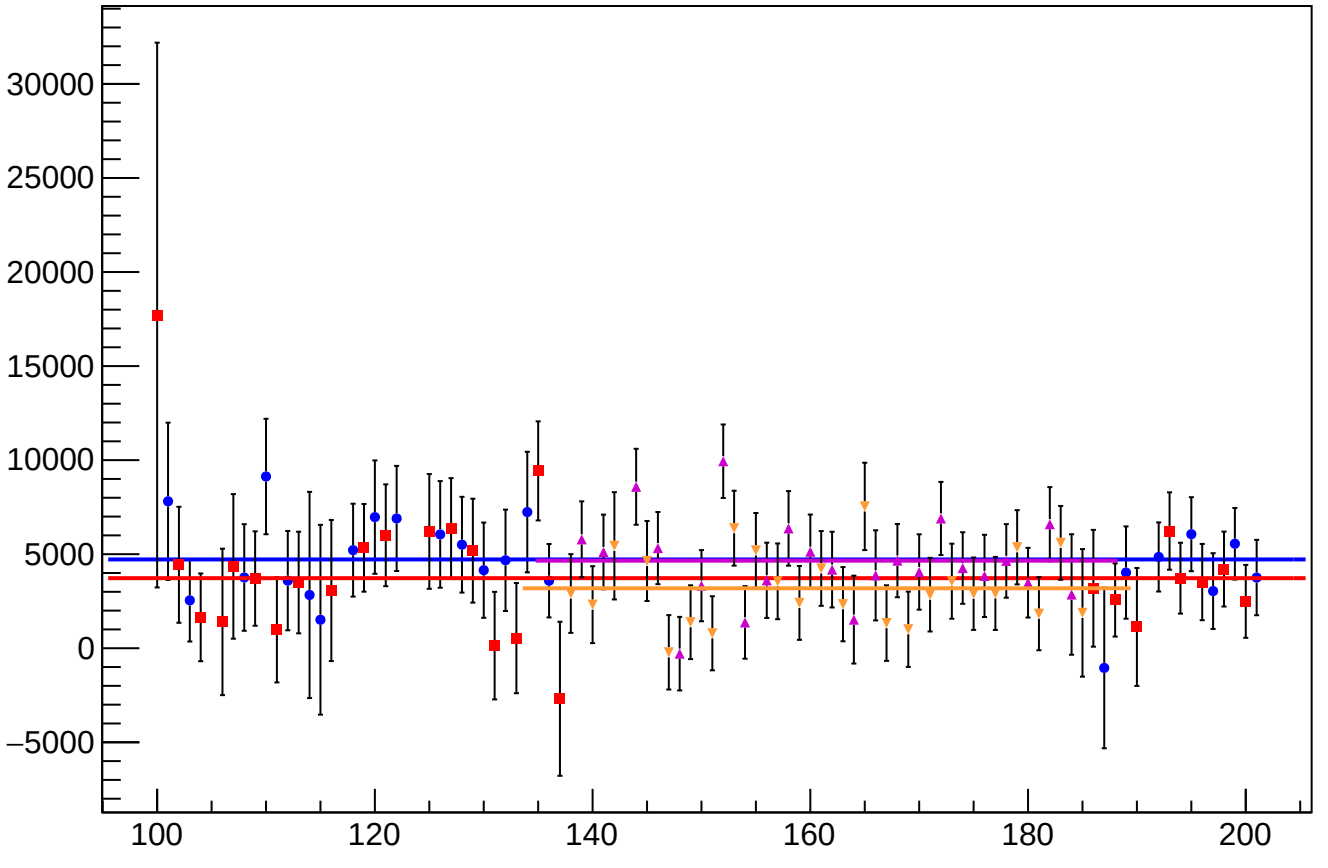
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5113.267+/-0.774 χ^2/NDF: 6828352.3/48

In: 5701.906+/-0.761 χ^2/NDF:4681453.1/45

Out: 5668.307+/-0.750 χ^2/NDF:5492729.9/49

All: 5684.874+/-0.534 χ^2/NDF: 10175172.5/9



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: 3724.874+/-511.935 χ^2/NDF: 19.2/25

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

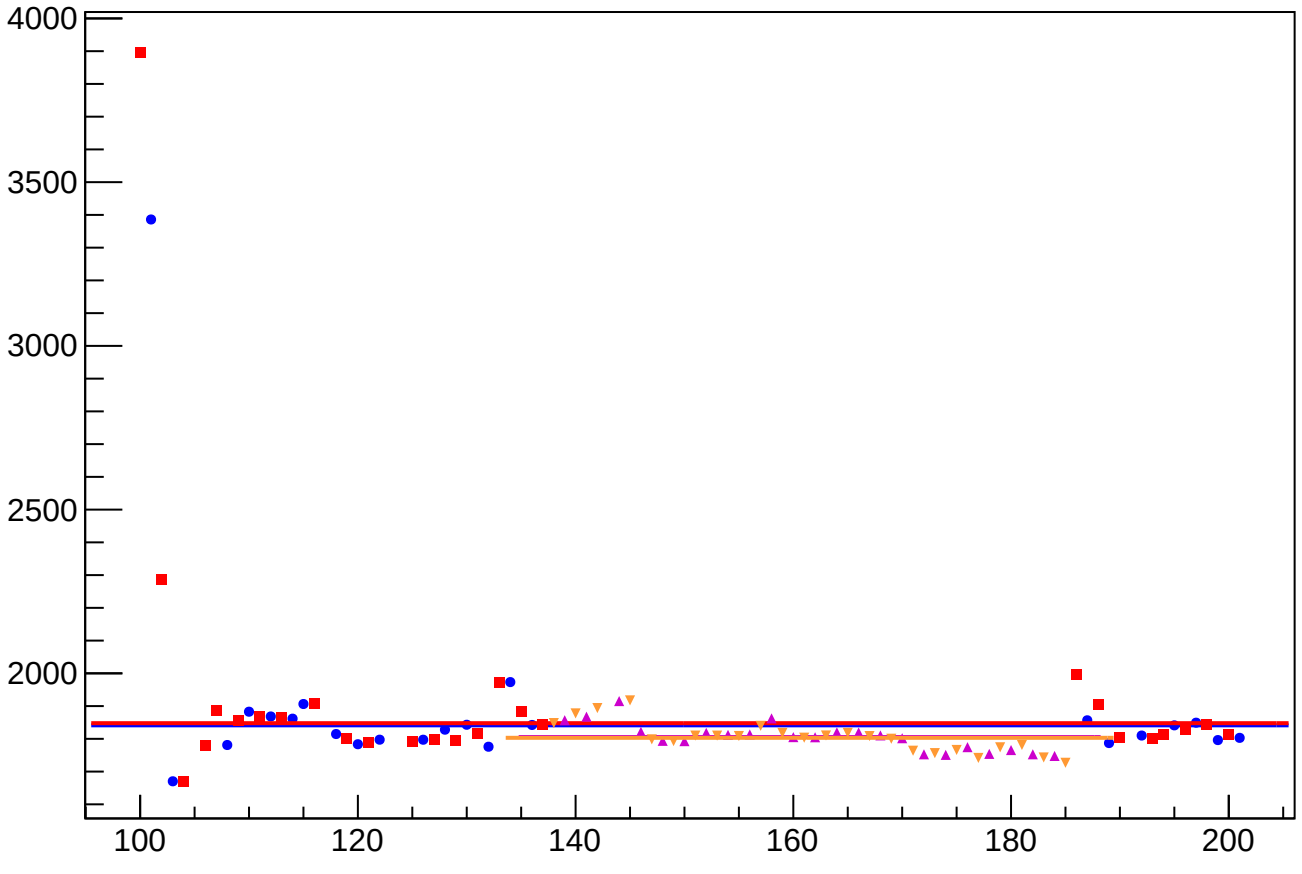
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4207.859+/-367.344 χ^2/NDF: 31.5/48

In: 4680.680+/-329.360 χ^2/NDF:38.2/45

Out: 3402.569+/-324.067 χ^2/NDF:39.8/49

All: 4031.272+/-230.998 χ^2/NDF: 85.6/95



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: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

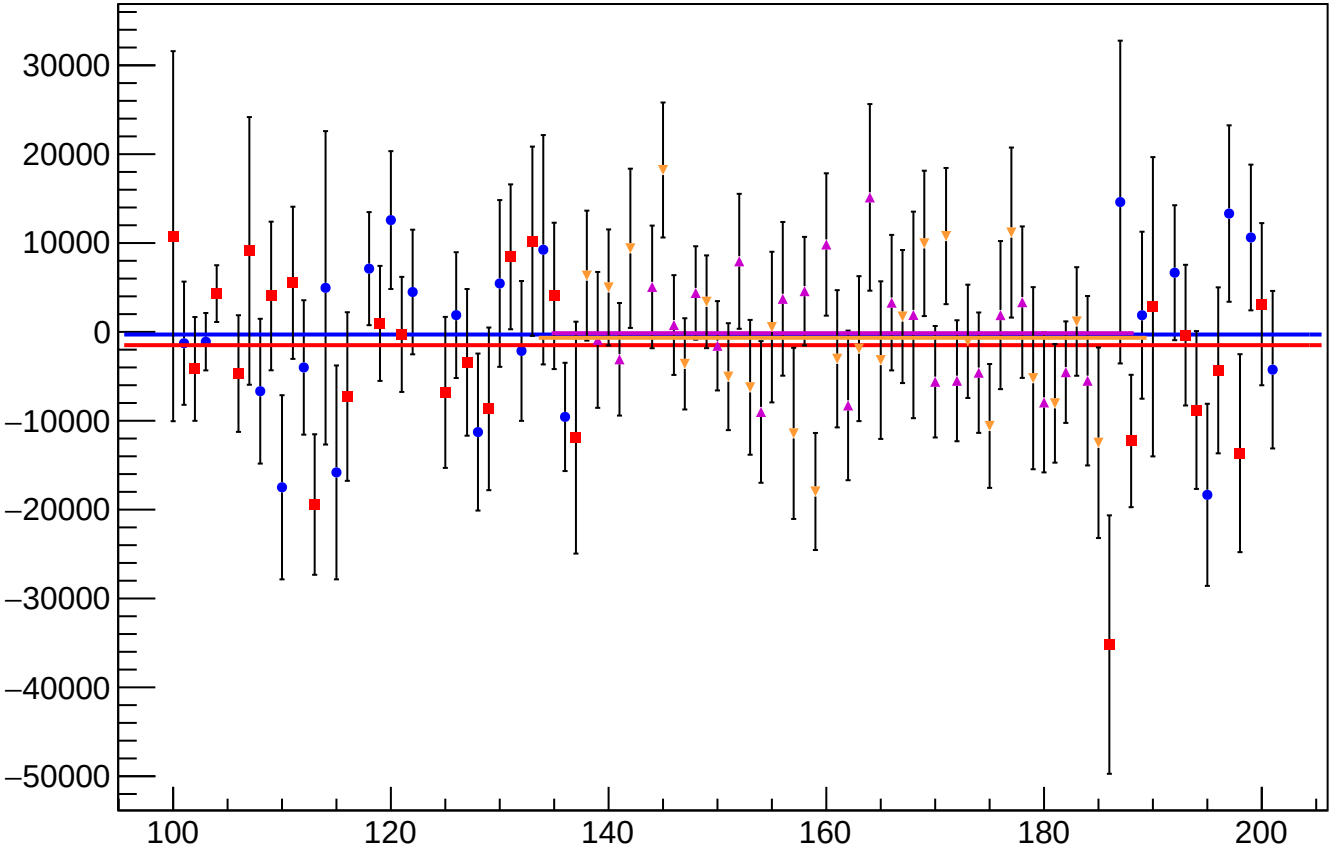
Right: 1844.628+/-0.260 χ^2/NDF: 408455.5/48

In: 1819.473+/-0.233 χ^2/NDF:322058.2/45

Out: 1821.057+/-0.229 χ^2/NDF:140929.5/49

All: 1820.278+/-0.163 χ^2/NDF: 463011.2/95

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: -1492.800+/-1522.353 χ^2/NDF: 26.0/25

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

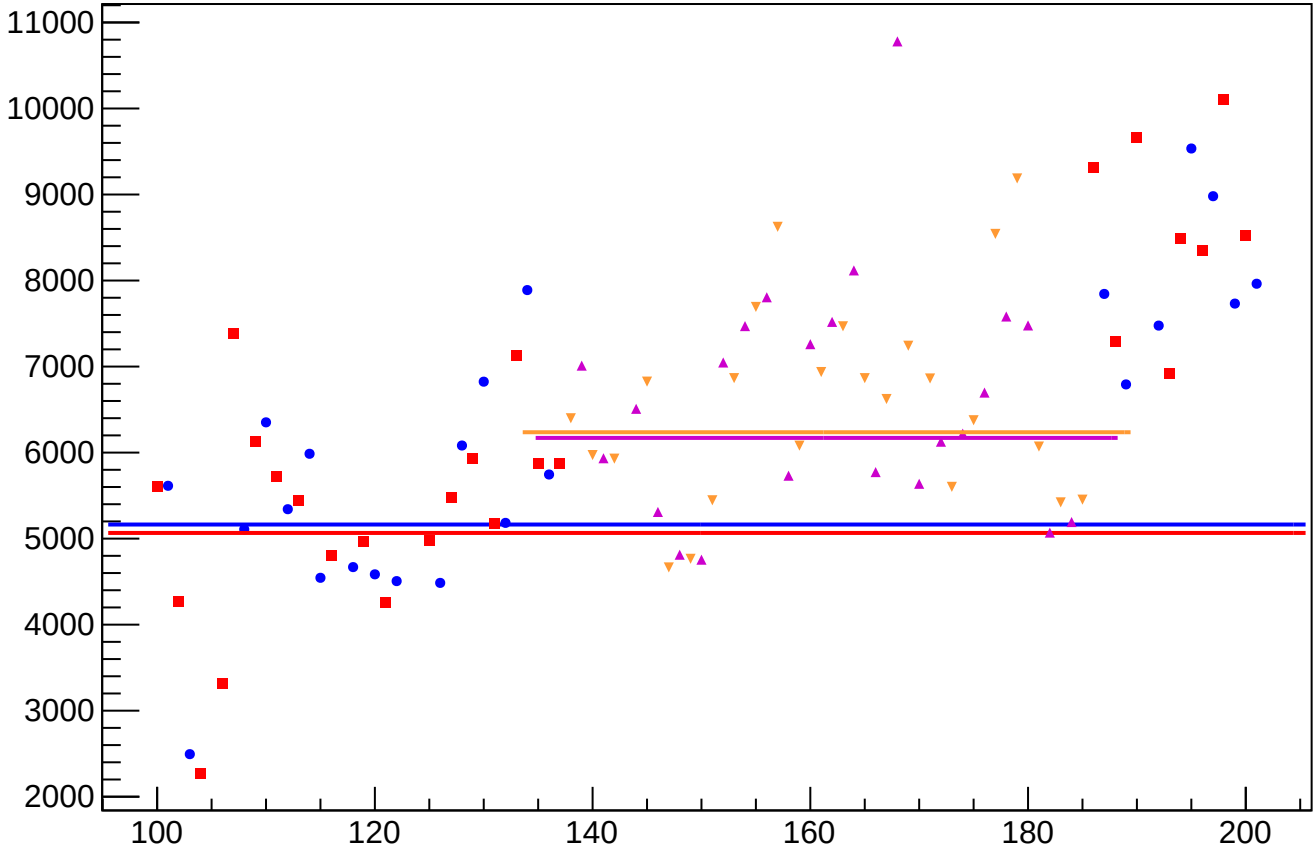
Right: -914.654+/-1094.963 χ^2/NDF: 49.8/48

In: -213.977+/-1075.526 χ^2/NDF:37.0/45

Out: -1068.044+/-1060.732 χ^2/NDF:55.9/49

All: -646.925+/-755.227 χ^2/NDF: 93.3/95

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: 5066.007+/-1.076 χ^2/NDF: 3816606.8/25

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

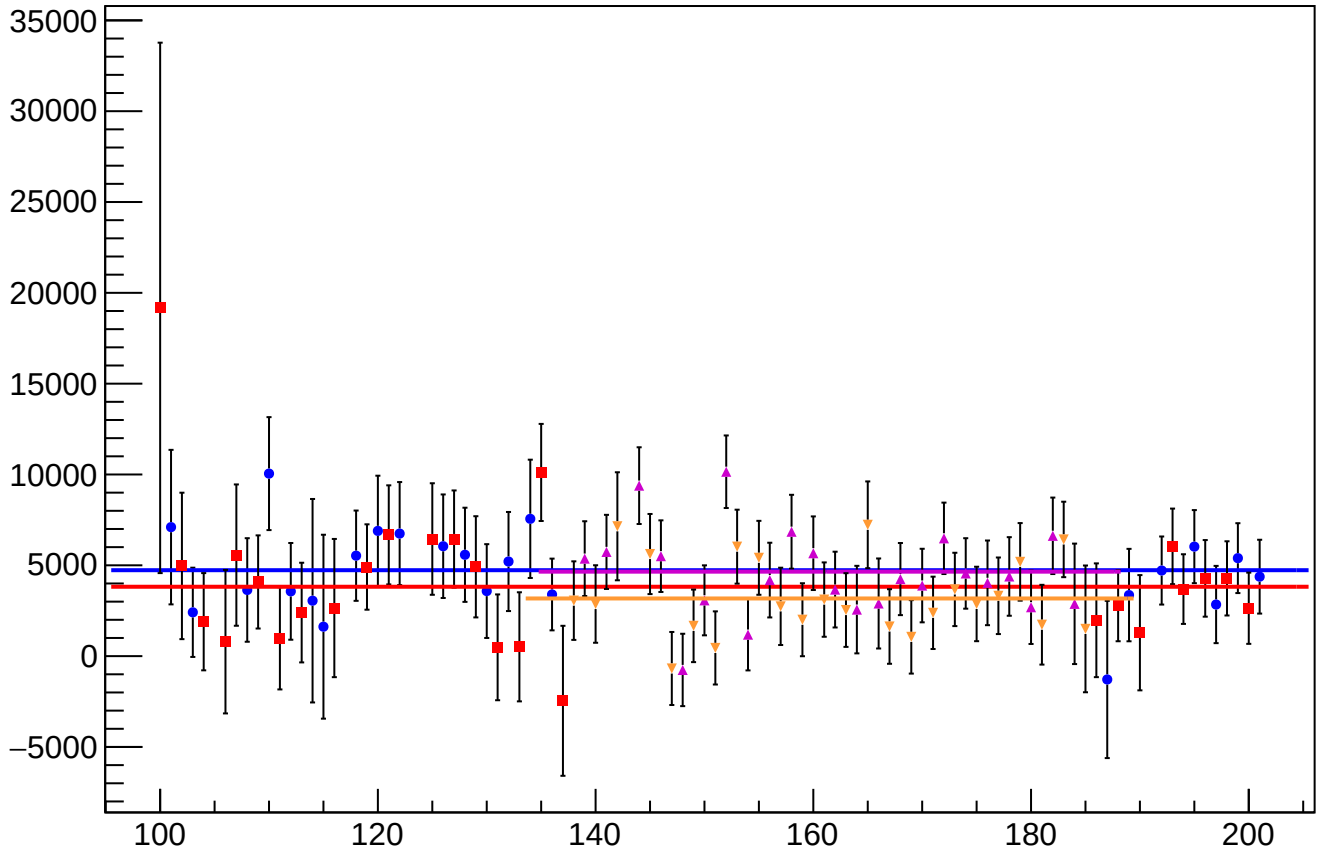
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5113.267+/-0.774 χ^2/NDF: 6828352.3/48

In: 5701.906+/-0.761 χ^2/NDF:4681453.1/45

Out: 5668.307+/-0.750 χ^2/NDF:5492729.9/49

All: 5684.874+/-0.534 χ^2/NDF: 10175172.5/9



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: 3819.800+/-525.276 χ^2/NDF: 20.3/25

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

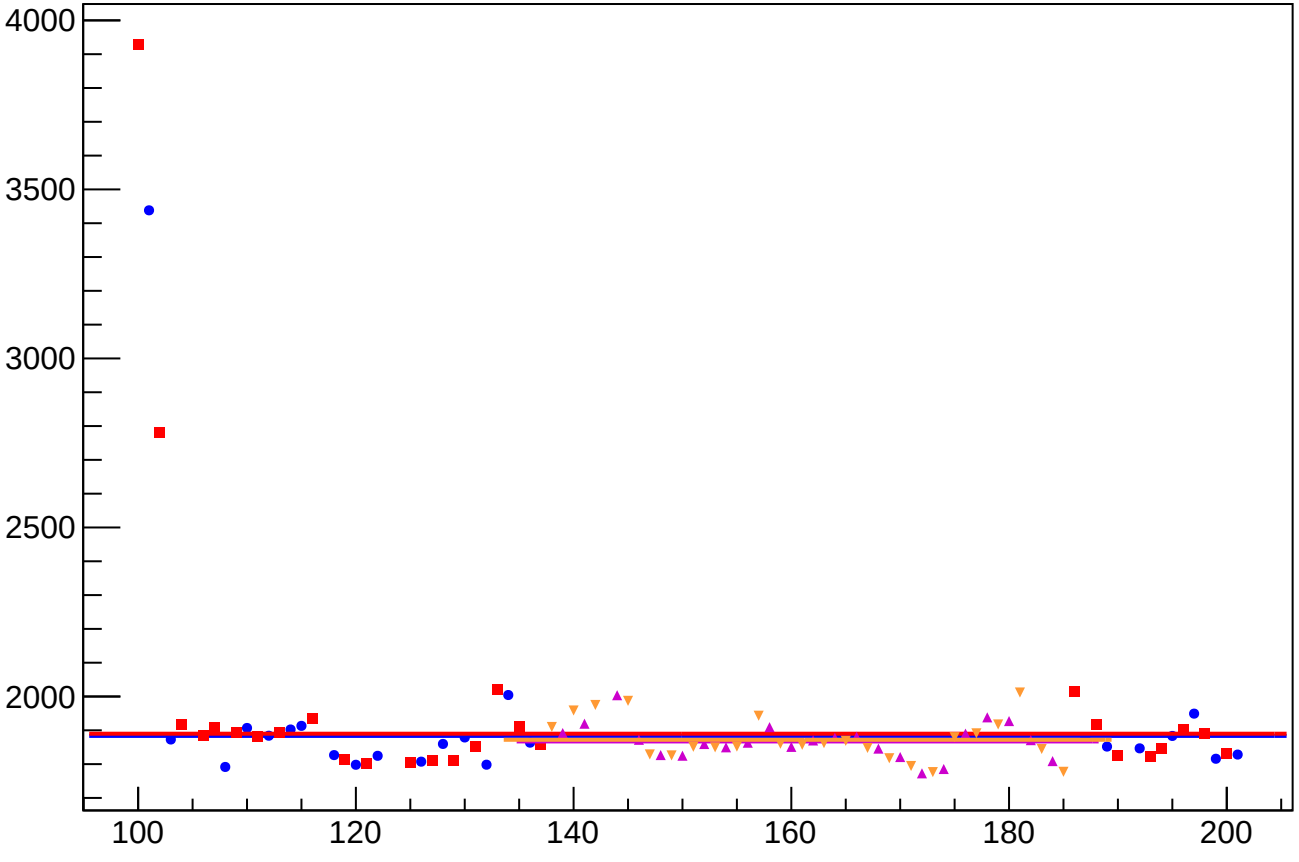
Right: 4263.085+/-376.386 χ^2/NDF: 33.2/48

In: 4682.238+/-339.222 χ^2/NDF:41.9/45

Out: 3436.914+/-334.946 χ^2/NDF:42.8/49

All: 4051.679+/-238.340 χ^2/NDF: 91.5/95

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: 1889.953+/-0.371 χ^2/NDF: 160242.2/25

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

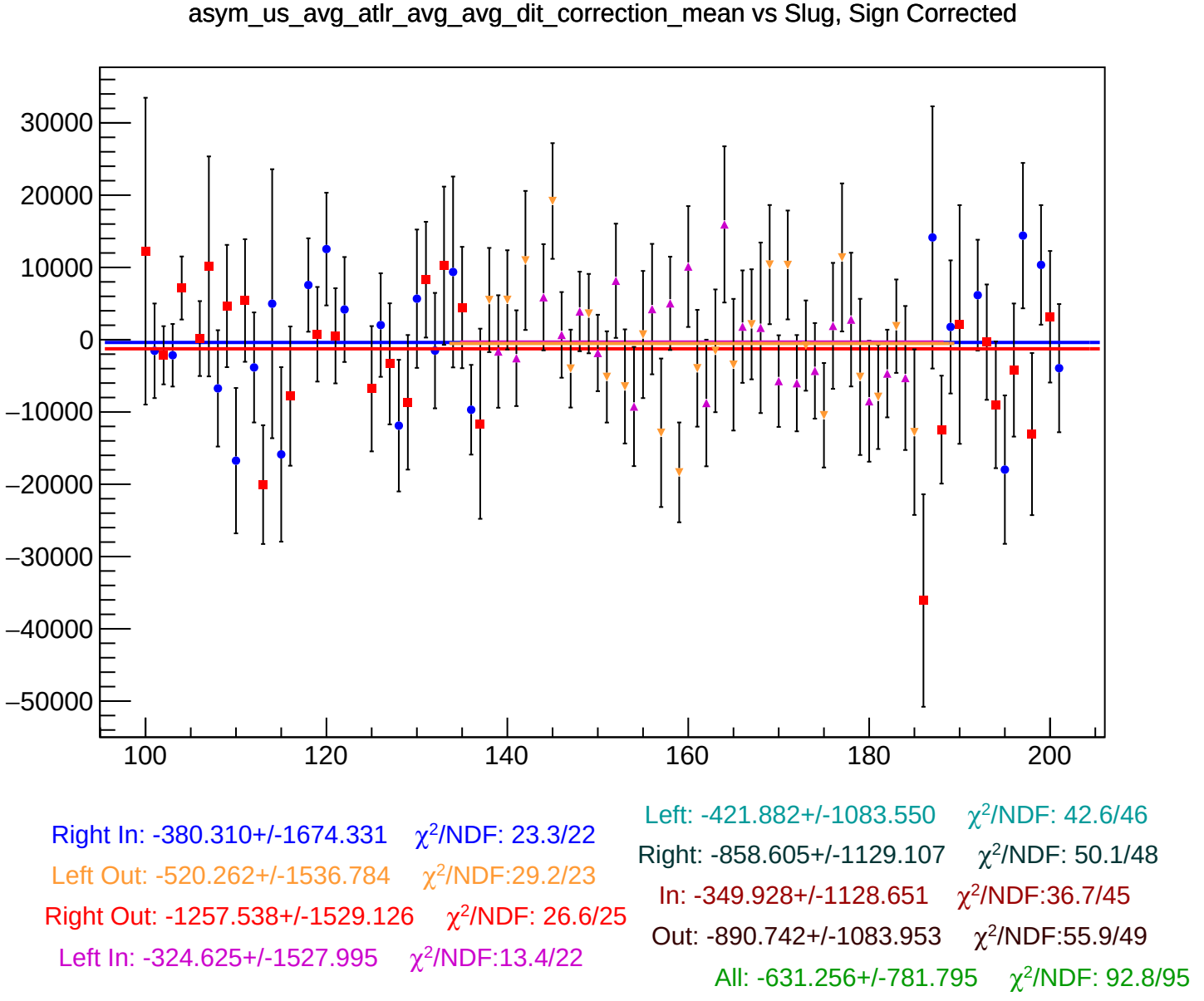
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

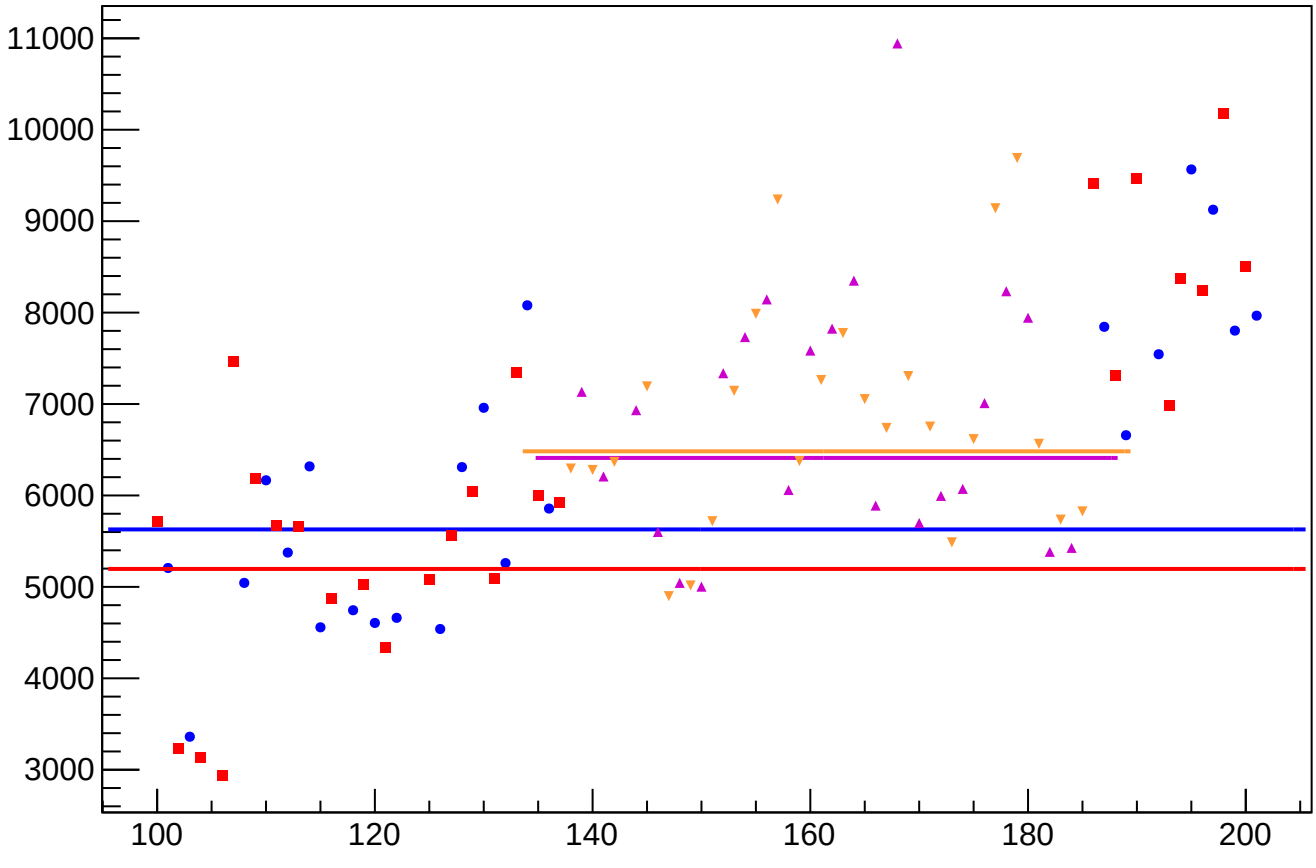
Right: 1886.802+/-0.266 χ^2/NDF: 446867.7/48

In: 1873.558+/-0.240 χ^2/NDF:314840.3/45

Out: 1879.293+/-0.237 χ^2/NDF:198787.6/49

All: 1876.462+/-0.169 χ^2/NDF: 513917.4/95


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: -1257.538+/-1529.126 χ²/NDF: 26.6/25
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -858.605+/-1129.107 χ²/NDF: 50.1/48
In: -349.928+/-1128.651 χ²/NDF:36.7/45
Out: -890.742+/-1083.953 χ²/NDF:55.9/49
All: -631.256+/-781.795 χ²/NDF: 92.8/95



Right In: 5628.508+/-1.184 χ^2/NDF: 1865559.7/22

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5196.344+/-1.081 χ^2/NDF: 3248126.7/25

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

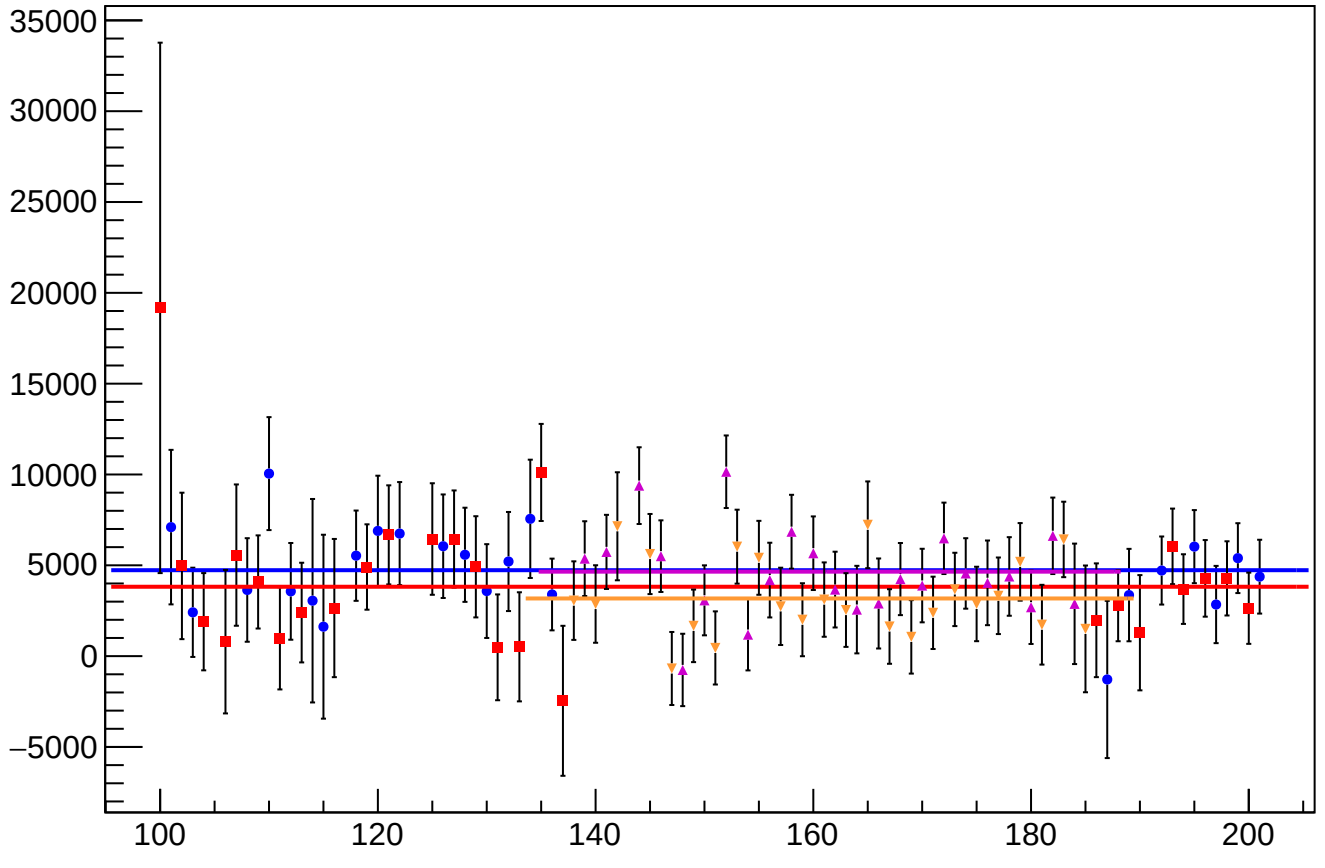
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5392.877+/-0.798 χ^2/NDF: 5186335.1/48

In: 6055.120+/-0.798 χ^2/NDF:3323368.3/45

Out: 5836.323+/-0.766 χ^2/NDF:5026887.4/49

All: 5941.303+/-0.553 χ^2/NDF: 8389353.7/95



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: 3819.797+/-525.276 χ^2/NDF: 20.3/25

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

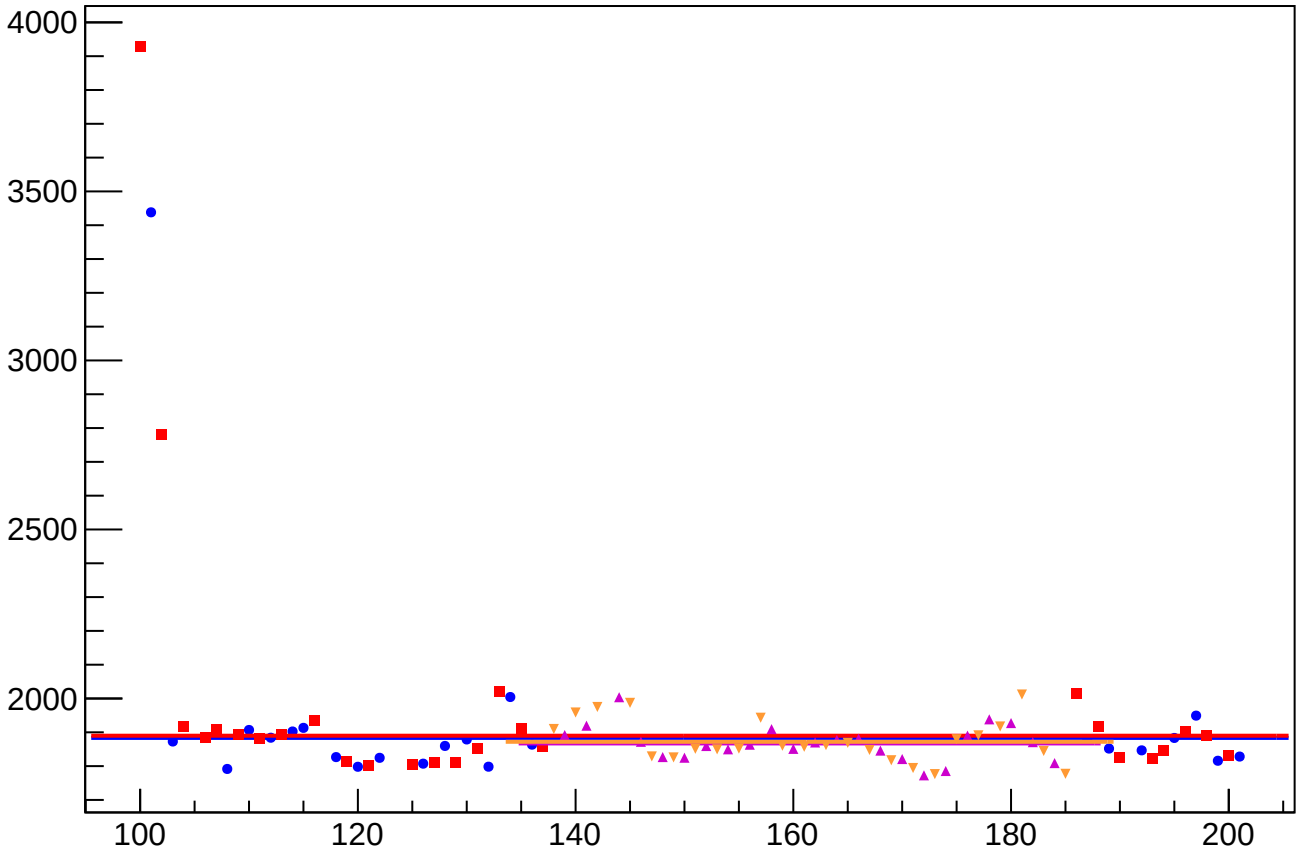
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4263.082+/-376.386 χ^2/NDF: 33.2/48

In: 4682.237+/-339.222 χ^2/NDF:41.9/45

Out: 3436.909+/-334.947 χ^2/NDF:42.8/49

All: 4051.676+/-238.340 χ^2/NDF: 91.5/95



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: 1889.953+/-0.371 χ^2/NDF: 160241.3/25

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

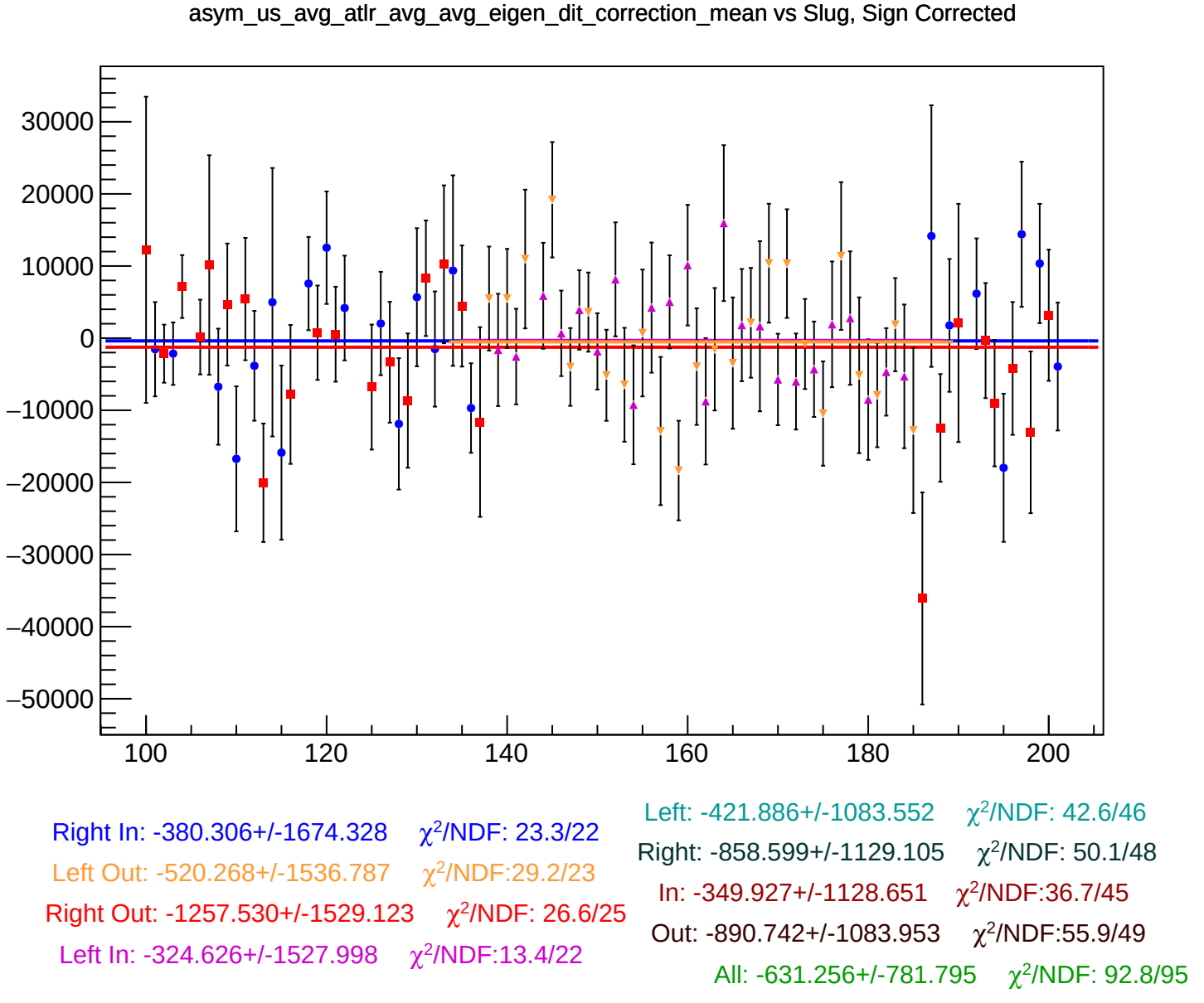
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1886.801+/-0.266 χ^2/NDF: 446867.0/48

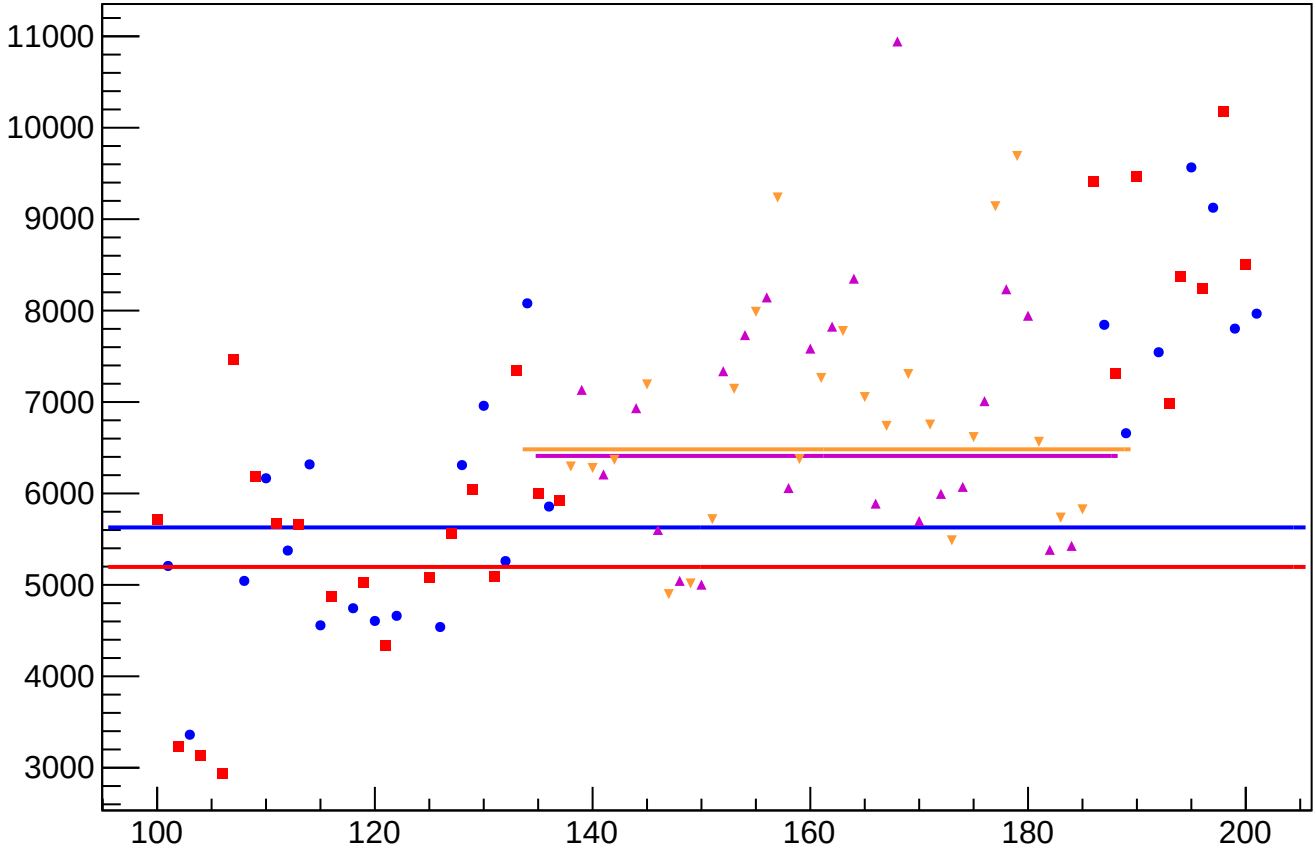
In: 1873.558+/-0.240 χ^2/NDF:314841.5/45

Out: 1879.293+/-0.237 χ^2/NDF:198787.4/49

All: 1876.463+/-0.169 χ^2/NDF: 513918.4/95


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -380.306+/-1674.328 χ²/NDF: 23.3/22
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -1257.530+/-1529.123 χ²/NDF: 26.6/25
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -858.599+/-1129.105 χ²/NDF: 50.1/48
In: -349.927+/-1128.651 χ²/NDF:36.7/45
Out: -890.742+/-1083.953 χ²/NDF:55.9/49
All: -631.256+/-781.795 χ²/NDF: 92.8/95

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: 5196.332+/-1.081 χ^2/NDF: 3248145.1/25

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

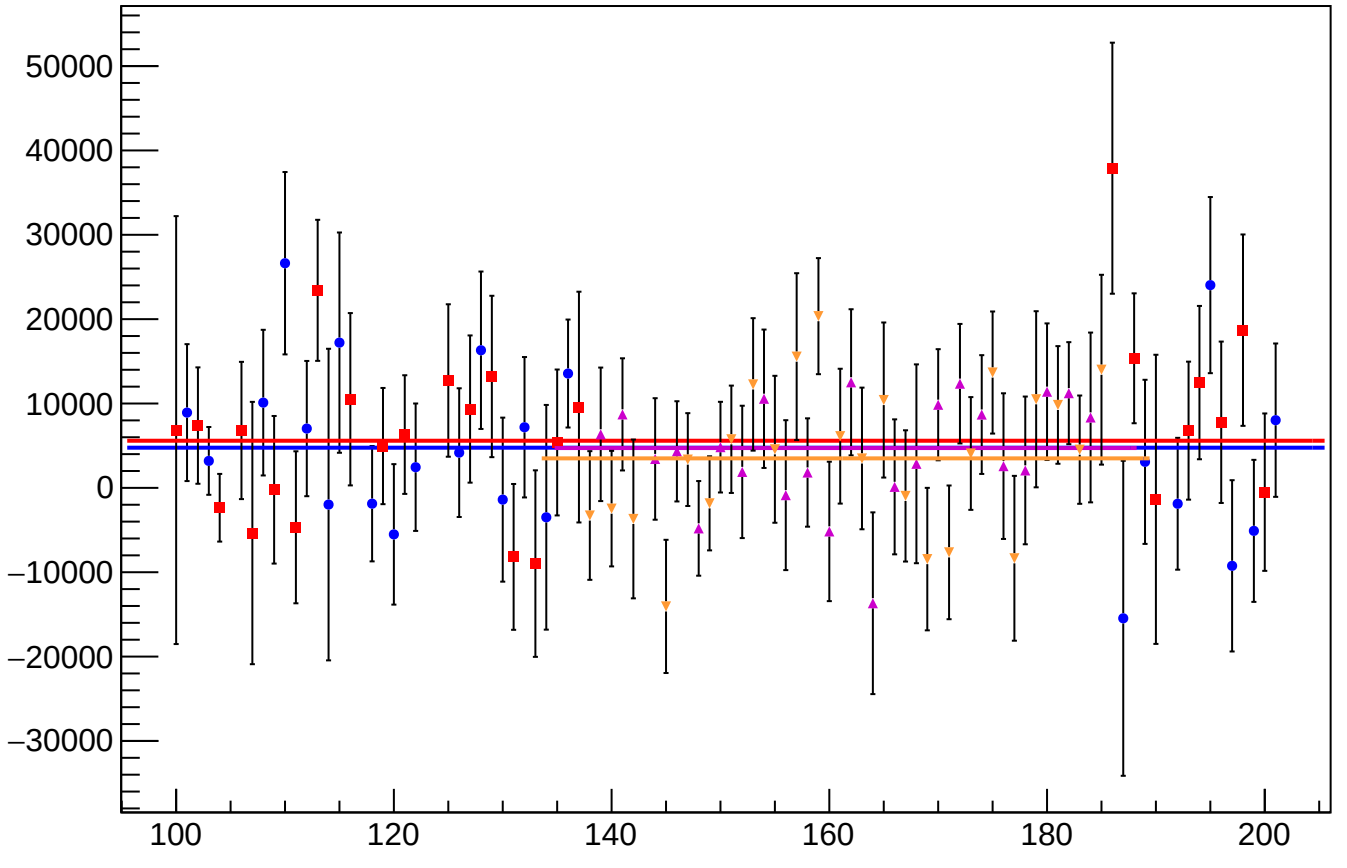
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5392.865+/-0.798 χ^2/NDF: 5186373.5/48

In: 6055.119+/-0.798 χ^2/NDF:3323404.4/45

Out: 5836.321+/-0.766 χ^2/NDF:5026932.8/49

All: 5941.301+/-0.553 χ^2/NDF: 8389435.9/95



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: 5587.653+/-1682.795 χ^2/NDF: 25.7/25

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

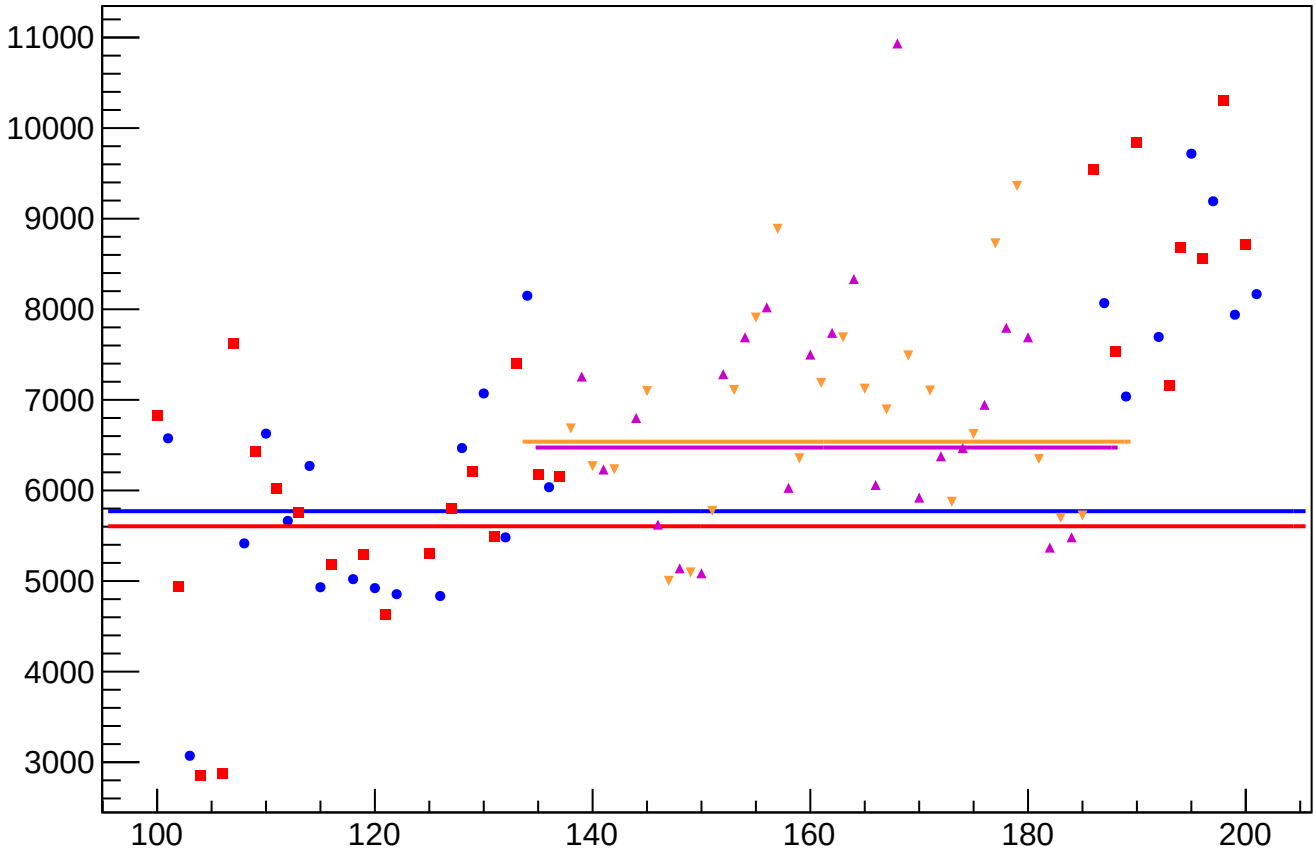
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5186.057+/-1205.125 χ^2/NDF: 47.5/48

In: 4738.891+/-1148.951 χ^2/NDF:35.9/45

Out: 4453.890+/-1138.417 χ^2/NDF:54.1/49

All: 4595.078+/-808.681 χ^2/NDF: 90.0/95



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: 5604.682+/-1.171 χ^2/NDF: 2980891.7/25

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

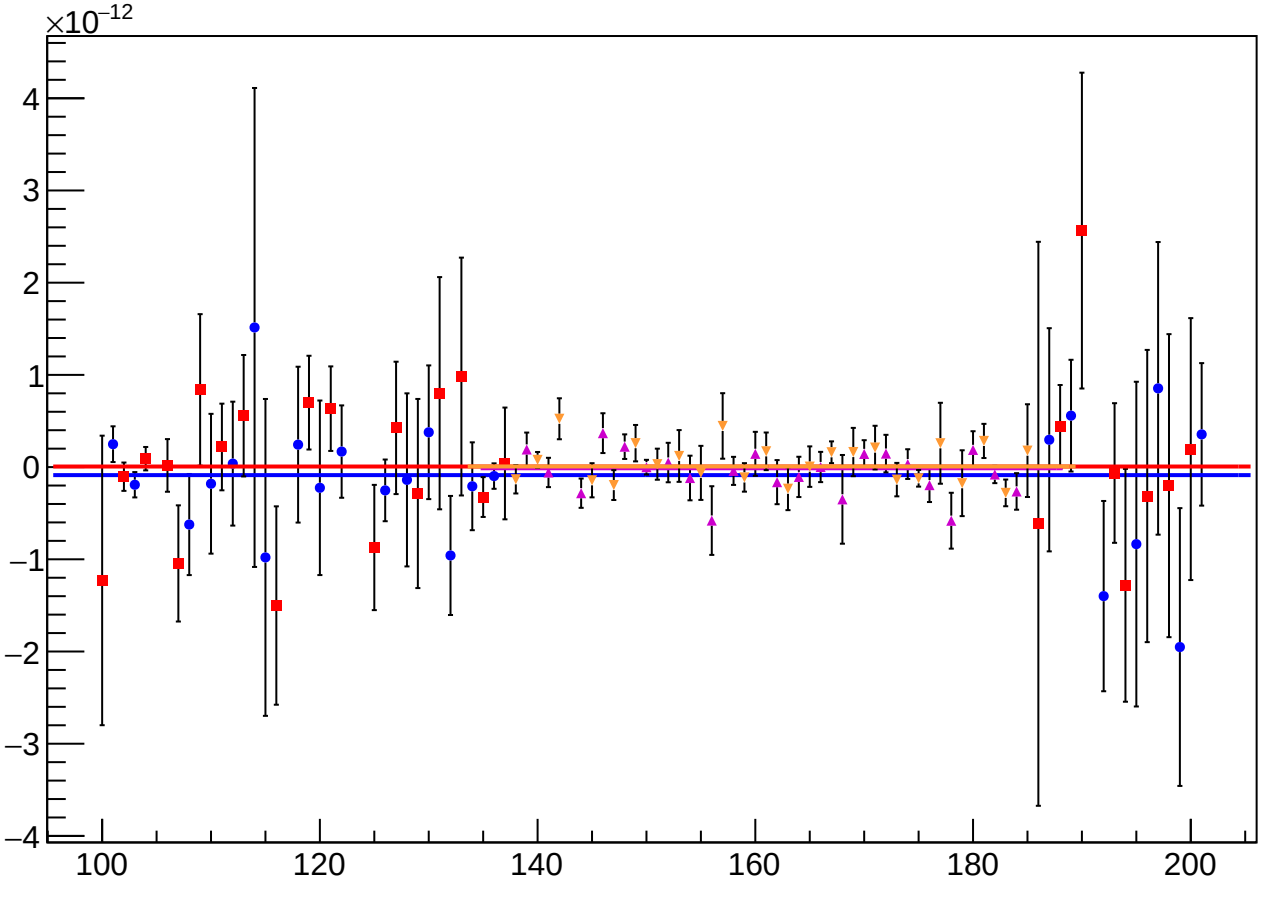
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5684.341+/-0.845 χ^2/NDF: 5129751.6/48

In: 6162.378+/-0.812 χ^2/NDF:3395498.1/45

Out: 6103.958+/-0.799 χ^2/NDF:4241362.0/49

All: 6132.688+/-0.570 χ^2/NDF: 7639488.0/95



Right In: -0.000+/-0.000 χ^2/NDF: 13.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/25

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

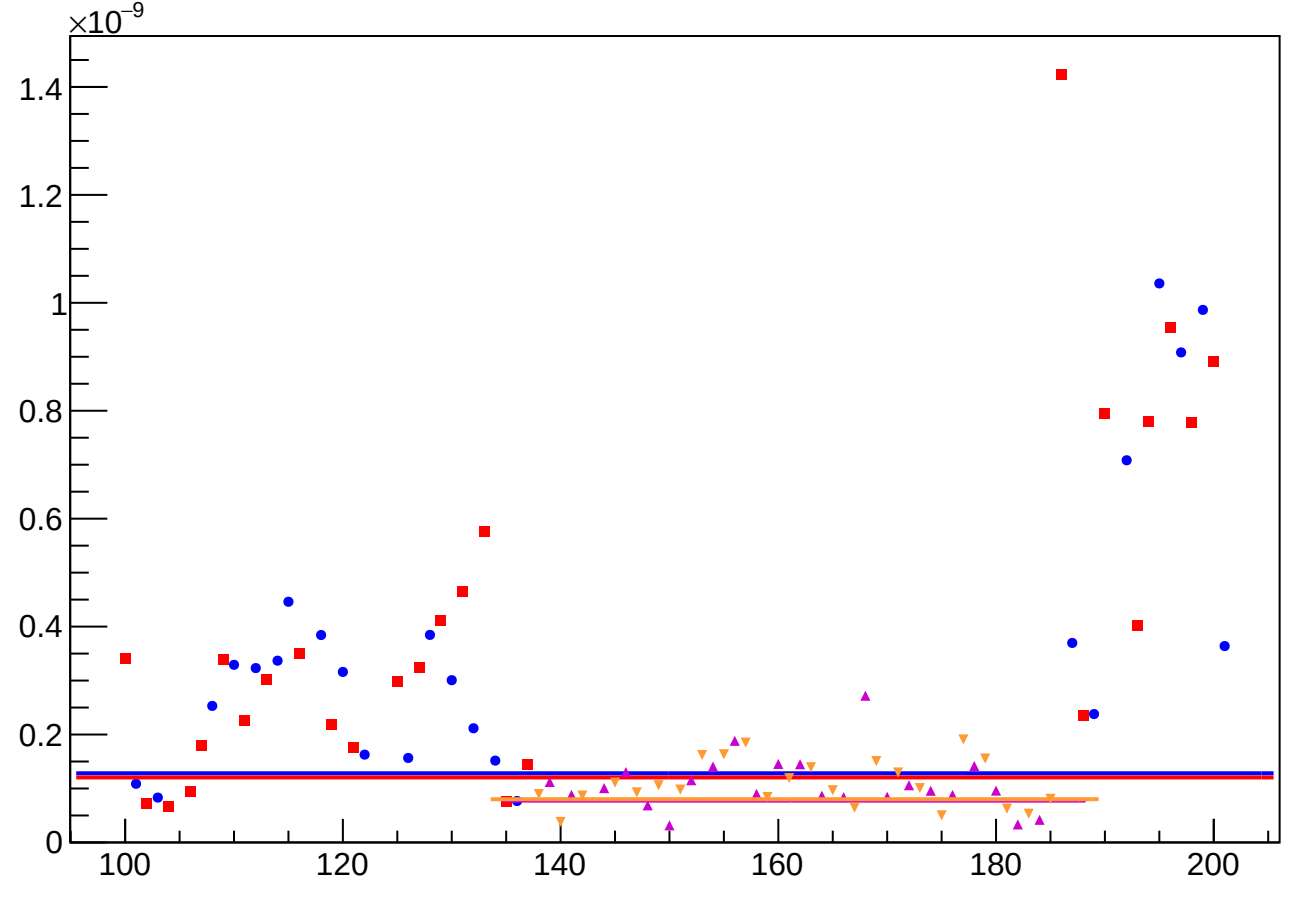
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 35.9/48

In: -0.000+/-0.000 χ^2/NDF:38.2/45

Out: 0.000+/-0.000 χ^2/NDF:48.9/49

All: -0.000+/-0.000 χ^2/NDF: 87.6/95



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: 5266281.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

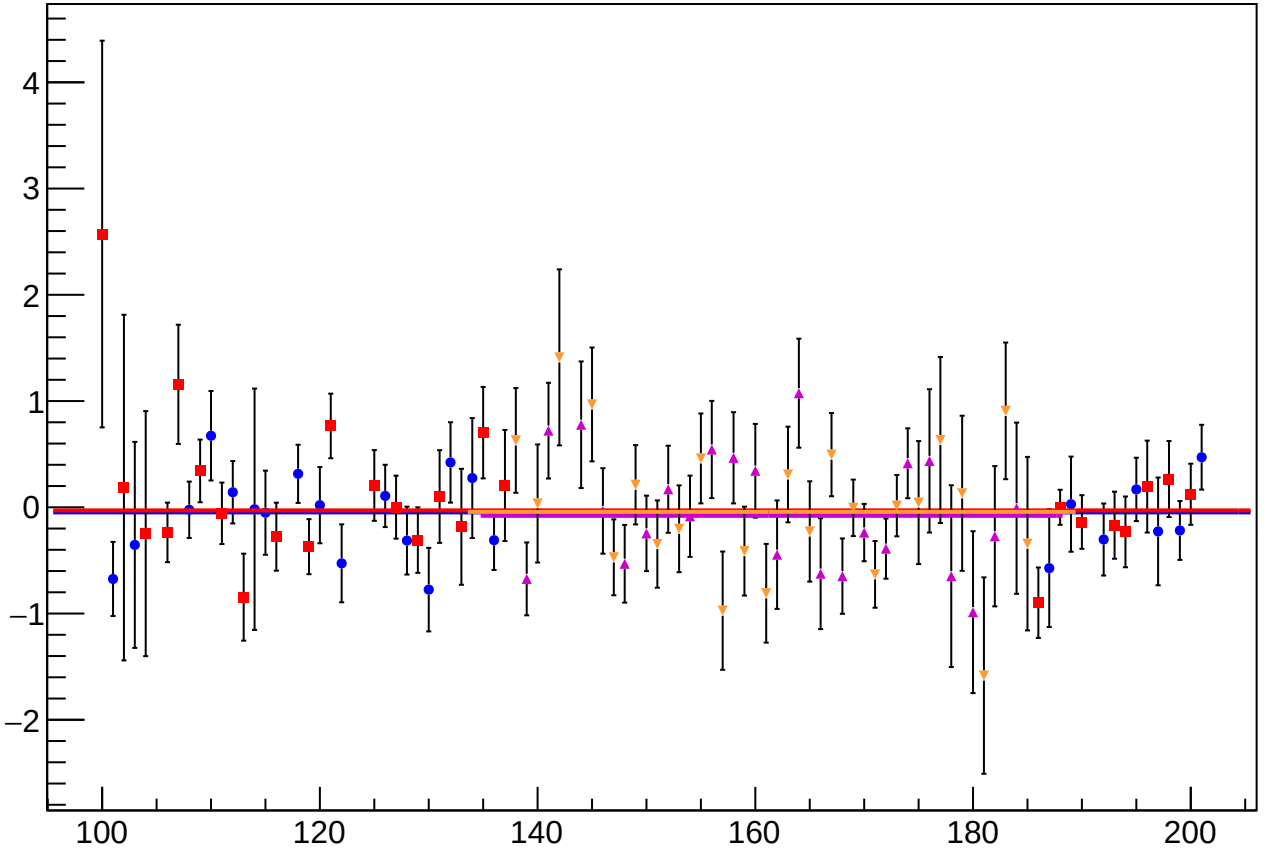
Right: 0.000+/-0.000 χ^2/NDF: 9498159.7/48

In: 0.000+/-0.000 χ^2/NDF:7598146.2/45

Out: 0.000+/-0.000 χ^2/NDF:7893049.5/49

All: 0.000+/-0.000 χ^2/NDF: 15492614.6/95

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: -0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

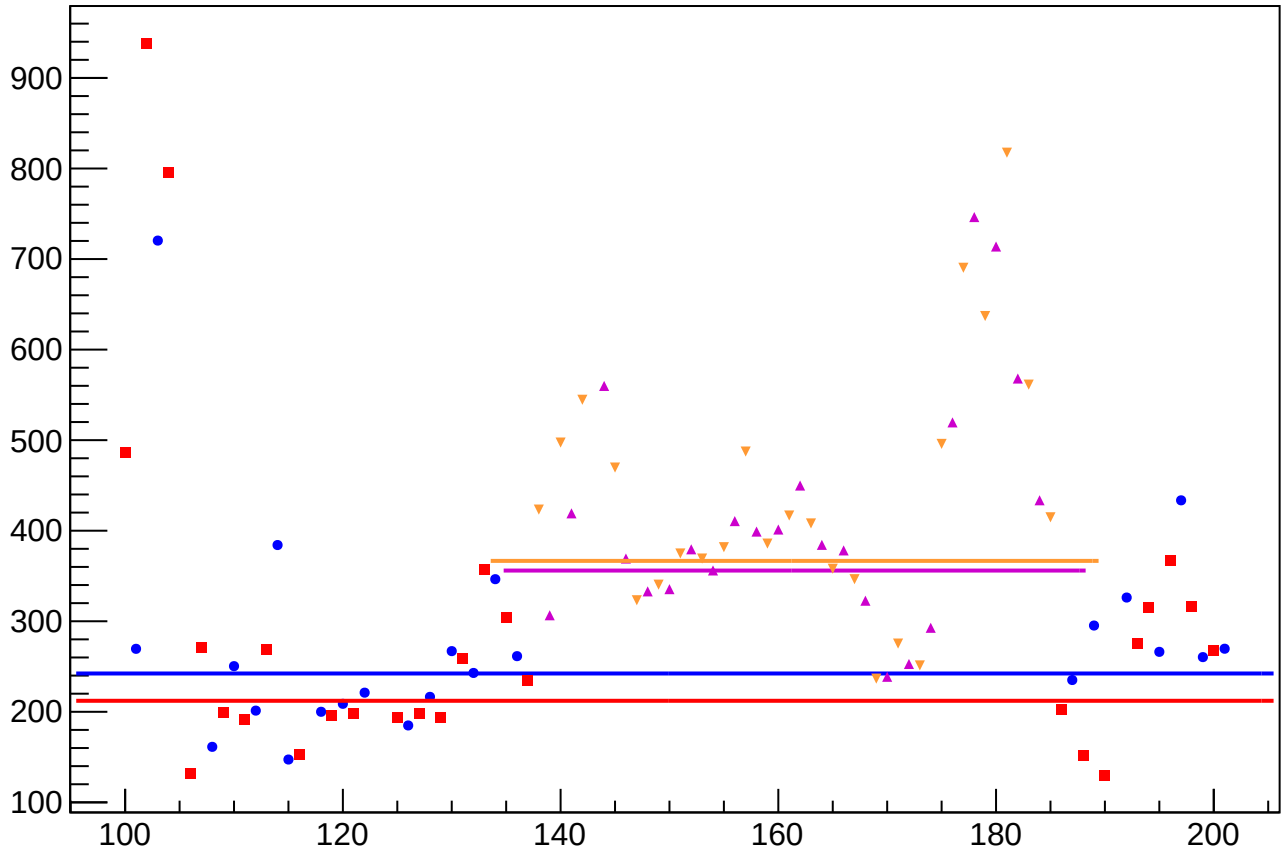
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.037+/-0.049 χ^2/NDF: 58.1/48

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.047+/-0.039 χ^2/NDF: 119.6/95



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: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

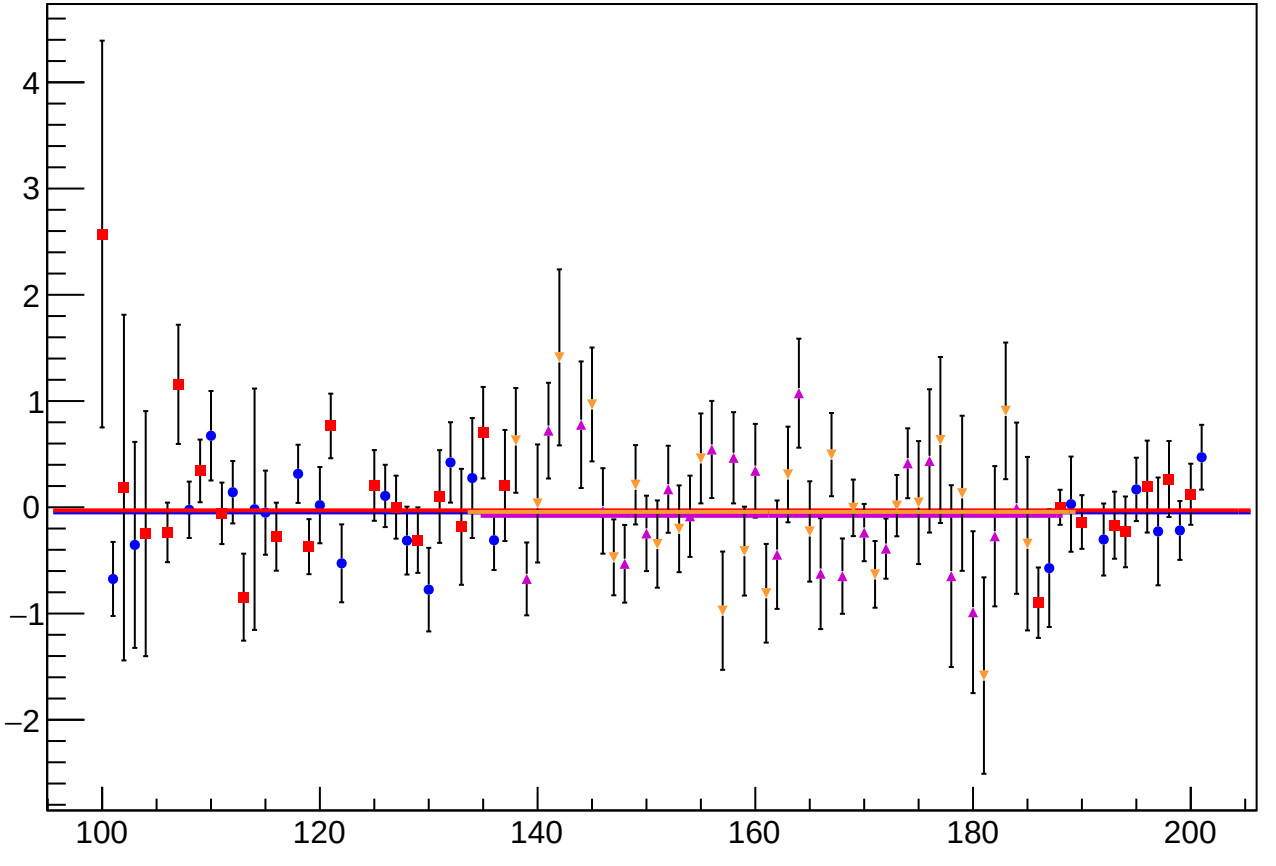
Right: 225.320+/-0.035 χ^2/NDF: 4580466.5/48

In: 289.479+/-0.040 χ^2/NDF:5974258.6/45

Out: 264.786+/-0.037 χ^2/NDF:9490932.4/49

All: 276.288+/-0.027 χ^2/NDF: 15669032.1/95

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: -0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

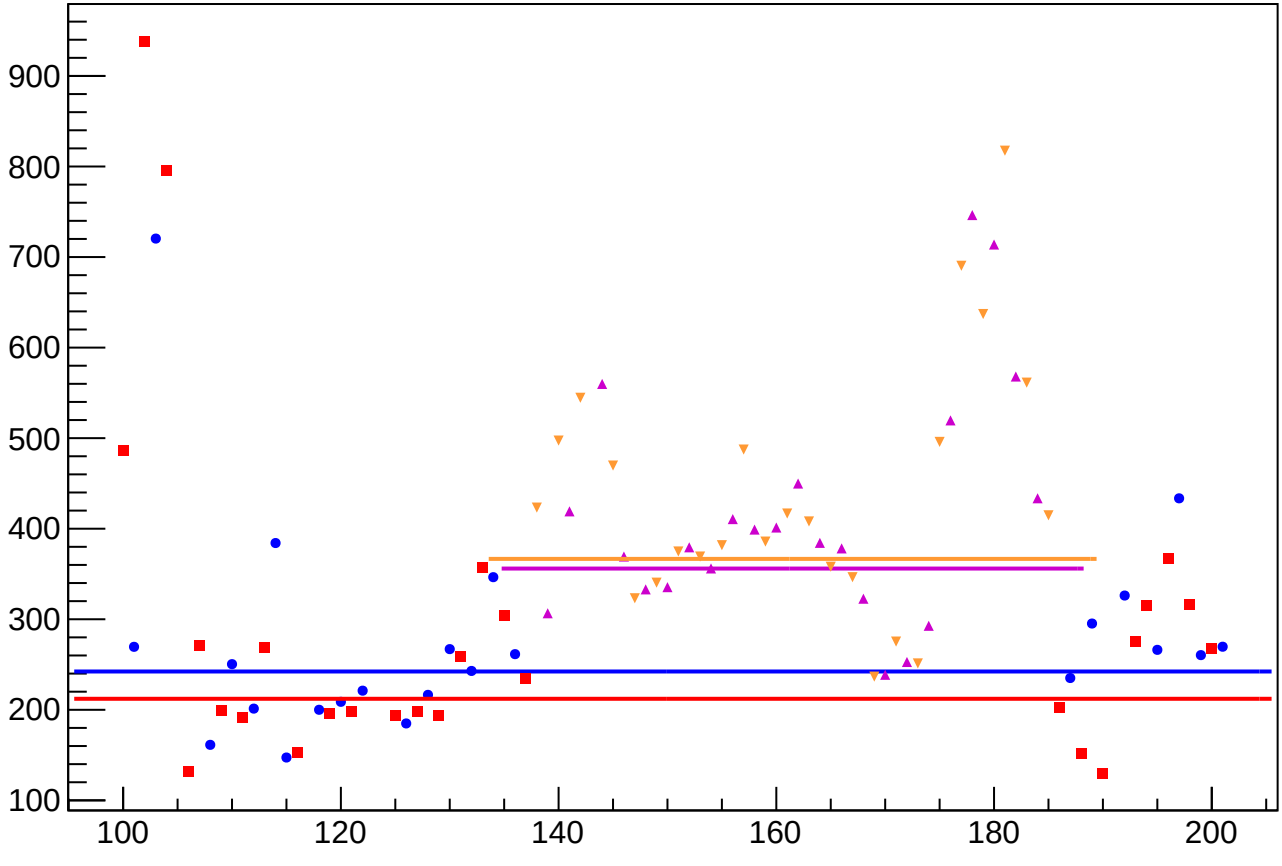
Right: -0.037+/-0.049 χ^2/NDF: 58.1/48

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.047+/-0.039 χ^2/NDF: 119.6/95

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: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

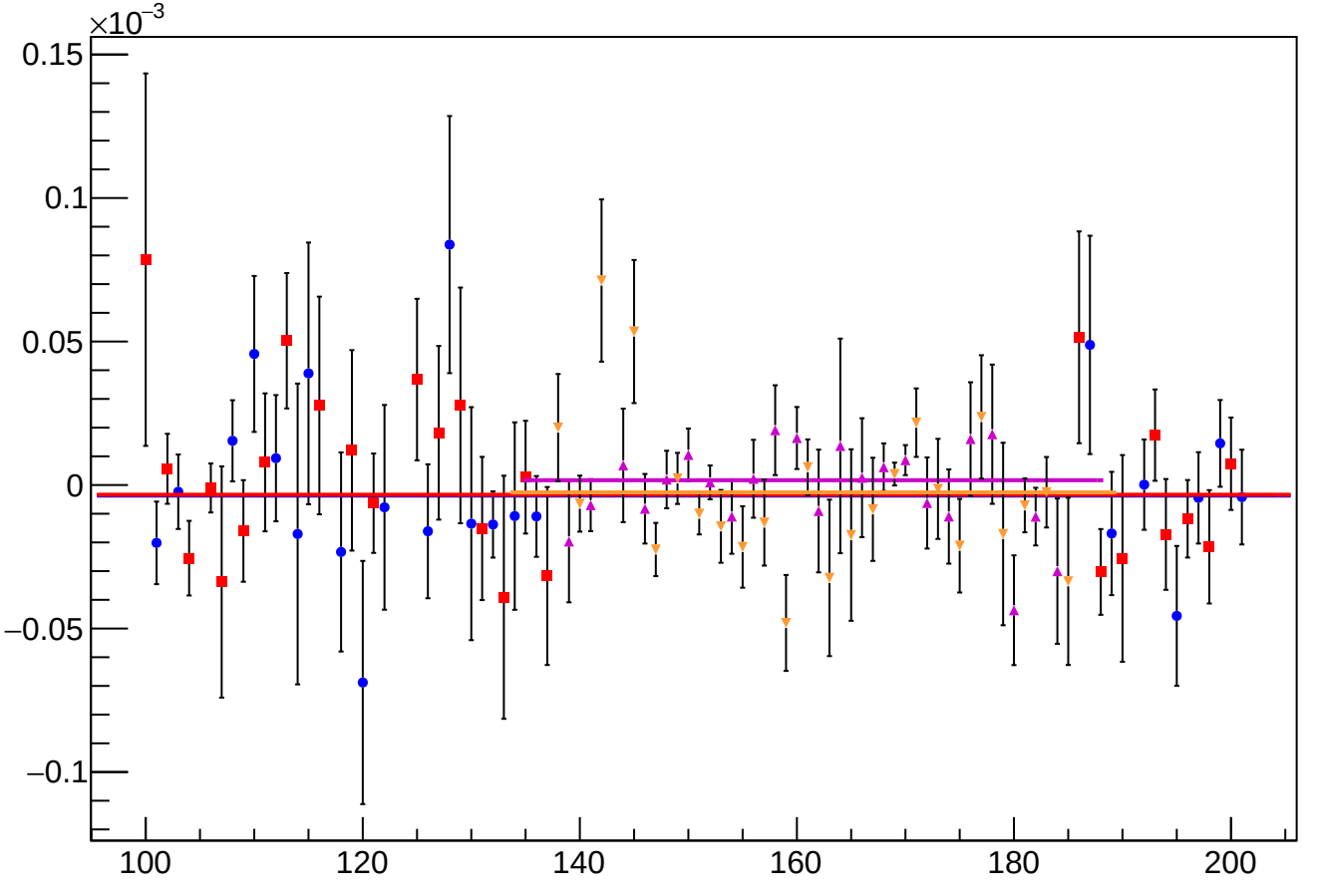
Right: 225.320+/-0.035 χ^2/NDF: 4580466.5/48

In: 289.479+/-0.040 χ^2/NDF:5974258.6/45

Out: 264.786+/-0.037 χ^2/NDF:9490932.4/49

All: 276.288+/-0.027 χ^2/NDF: 15669032.1/95

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: 27.2/25

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

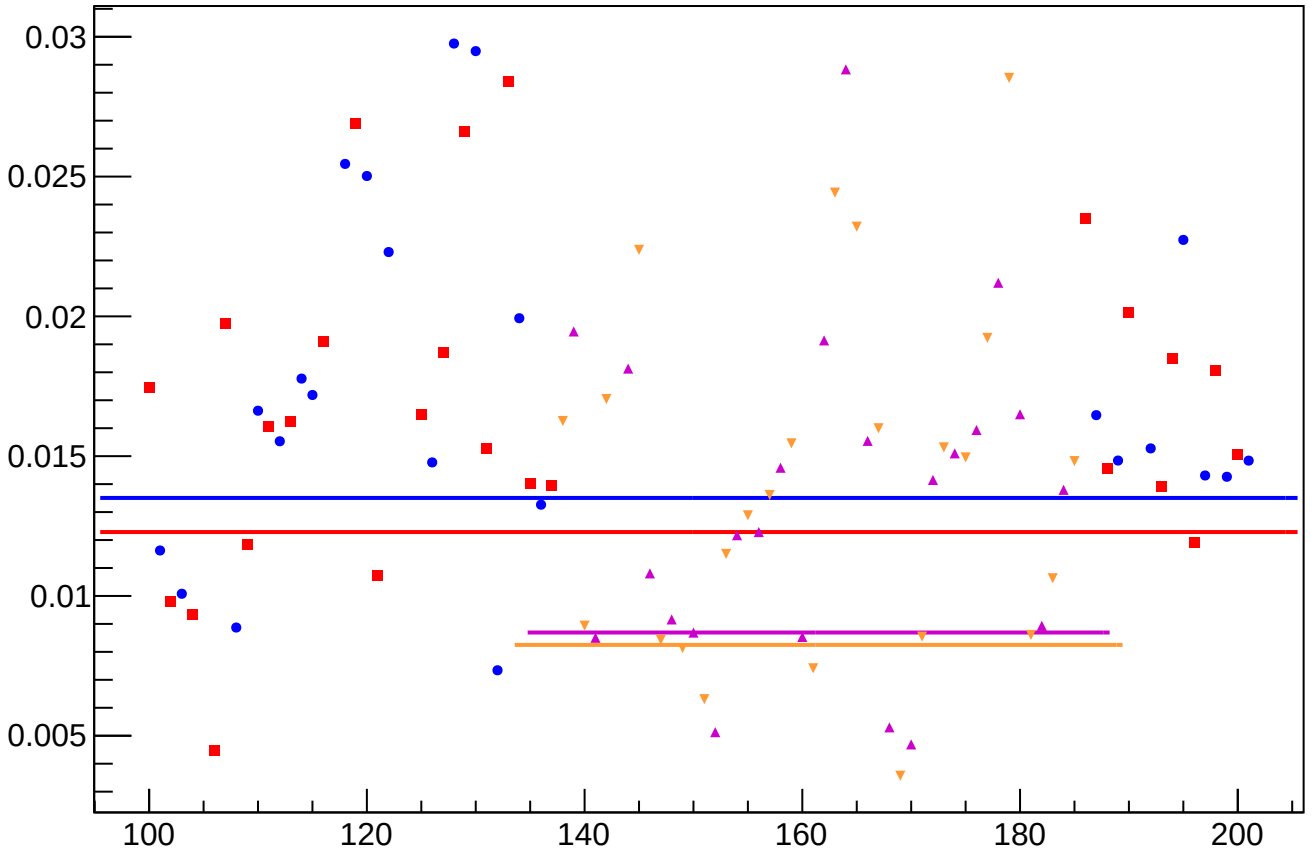
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 49.6/48

In: 0.000+/-0.000 χ^2/NDF:44.4/45

Out: -0.000+/-0.000 χ^2/NDF:70.7/49

All: -0.000+/-0.000 χ^2/NDF: 116.3/95



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: 3985054.4/25

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

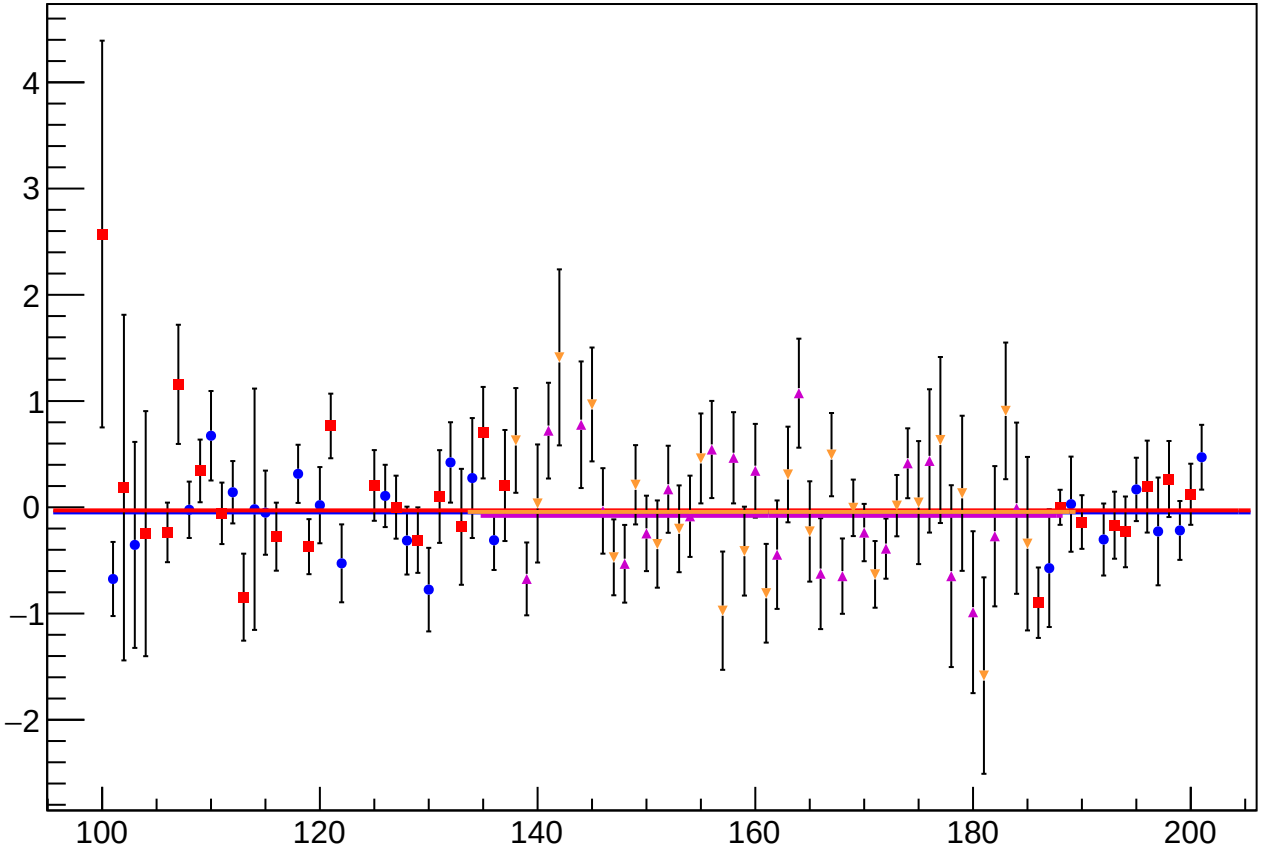
Right: 0.013+/-0.000 χ^2/NDF: 6631024.0/48

In: 0.010+/-0.000 χ^2/NDF:11492186.2/45

Out: 0.009+/-0.000 χ^2/NDF:14578885.4/49

All: 0.010+/-0.000 χ^2/NDF: 26144909.5/95

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: -0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

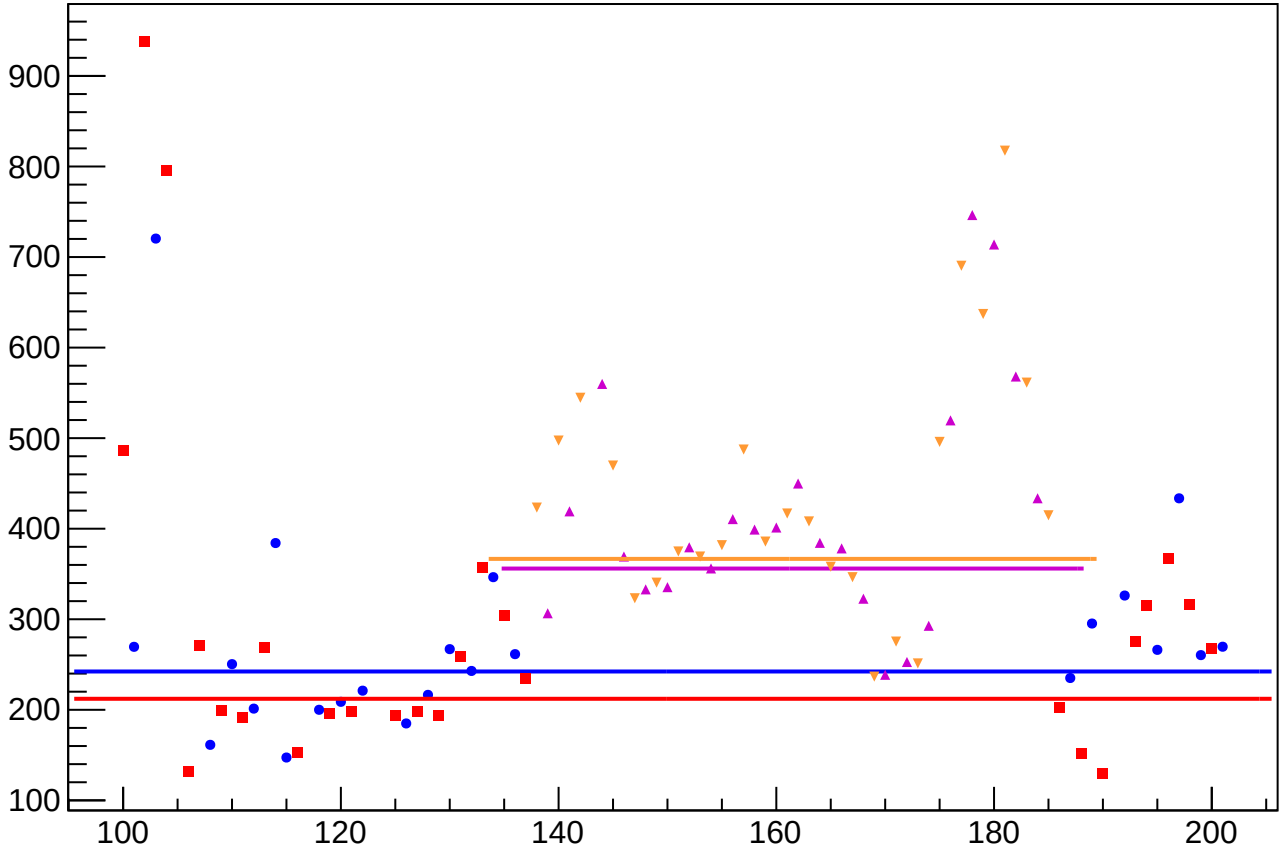
Right: -0.037+/-0.049 χ^2/NDF: 58.1/48

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.047+/-0.039 χ^2/NDF: 119.6/95

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: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

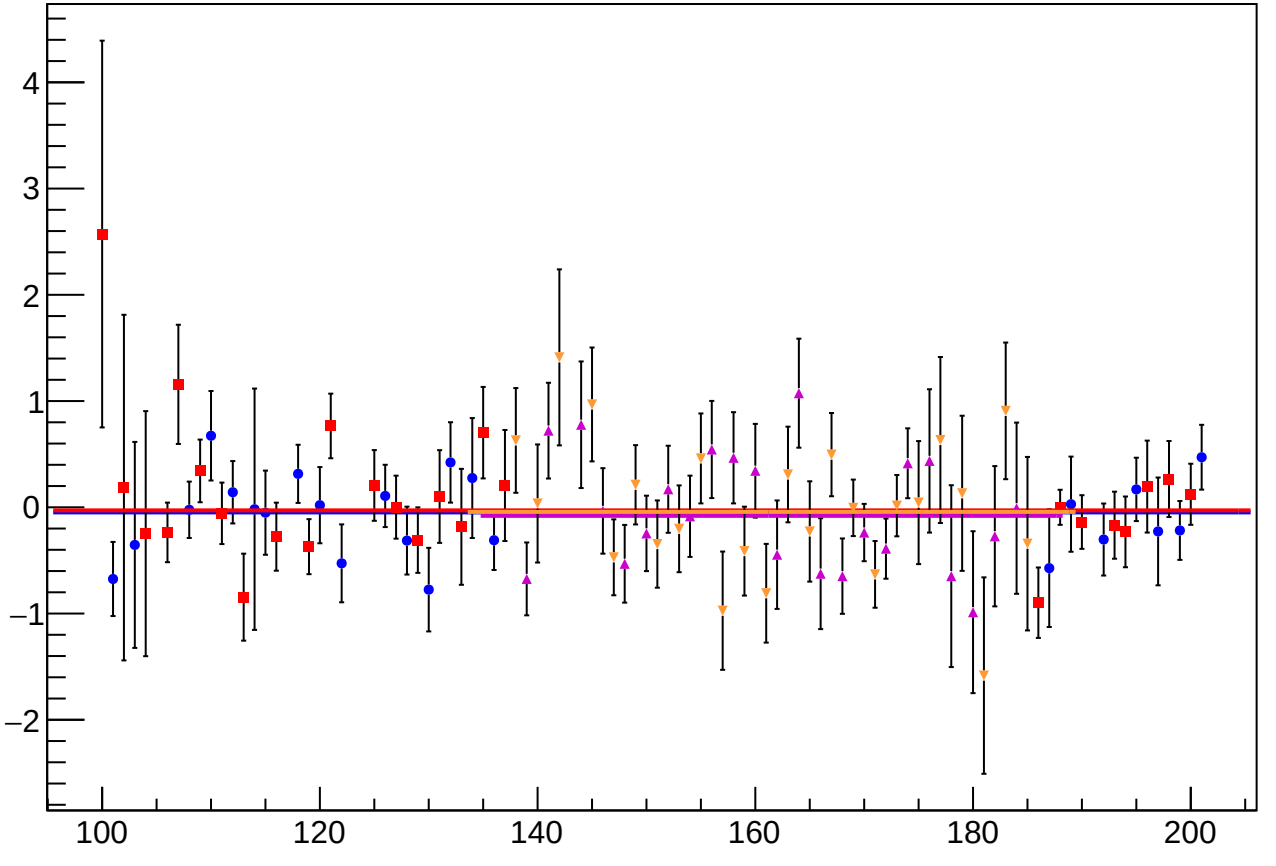
Right: 225.318+/-0.035 χ^2/NDF: 4580529.6/48

In: 289.478+/-0.040 χ^2/NDF:5974508.3/45

Out: 264.783+/-0.037 χ^2/NDF:9491380.4/49

All: 276.286+/-0.027 χ^2/NDF: 15669768.4/95

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: -0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

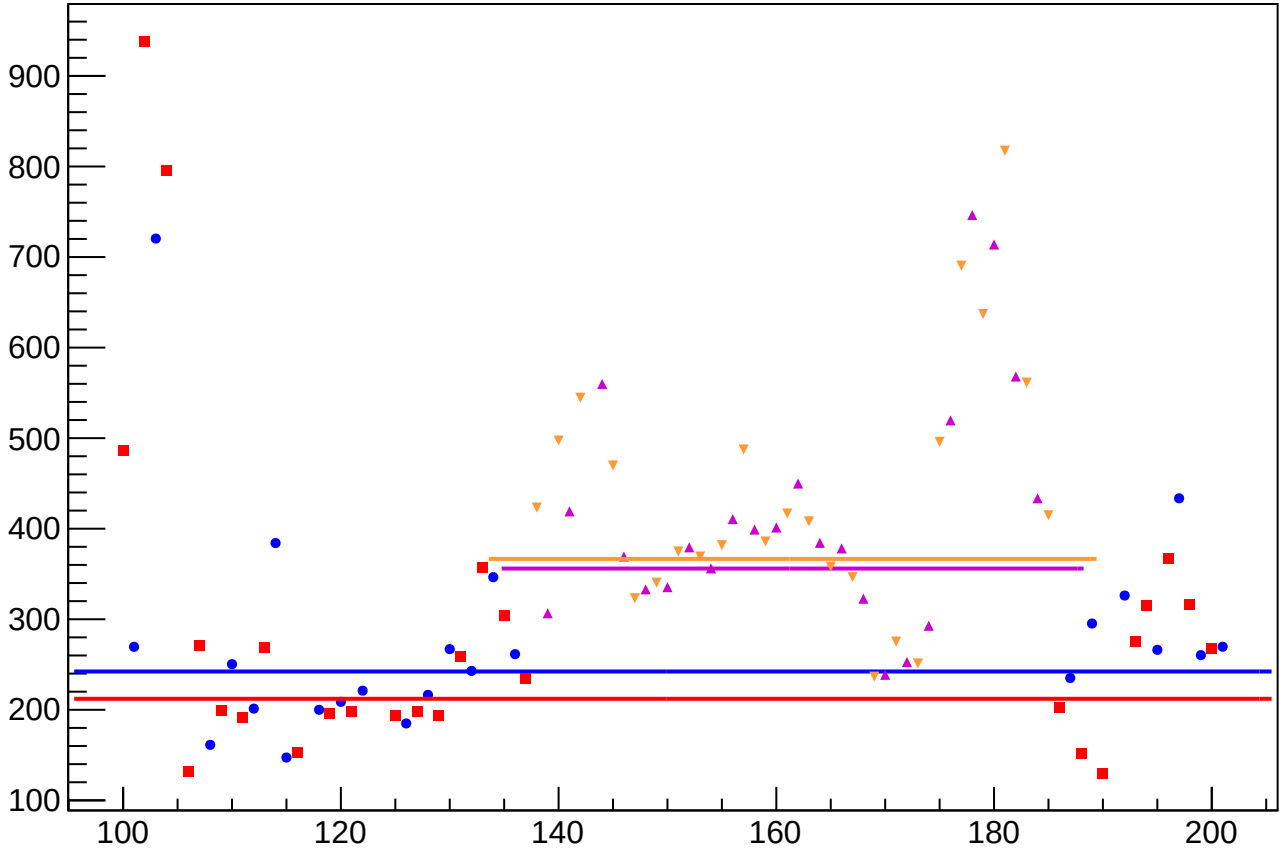
Right: -0.037+/-0.049 χ^2/NDF: 58.1/48

In: -0.061+/-0.057 χ^2/NDF:53.2/45

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.047+/-0.039 χ^2/NDF: 119.6/95

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_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: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

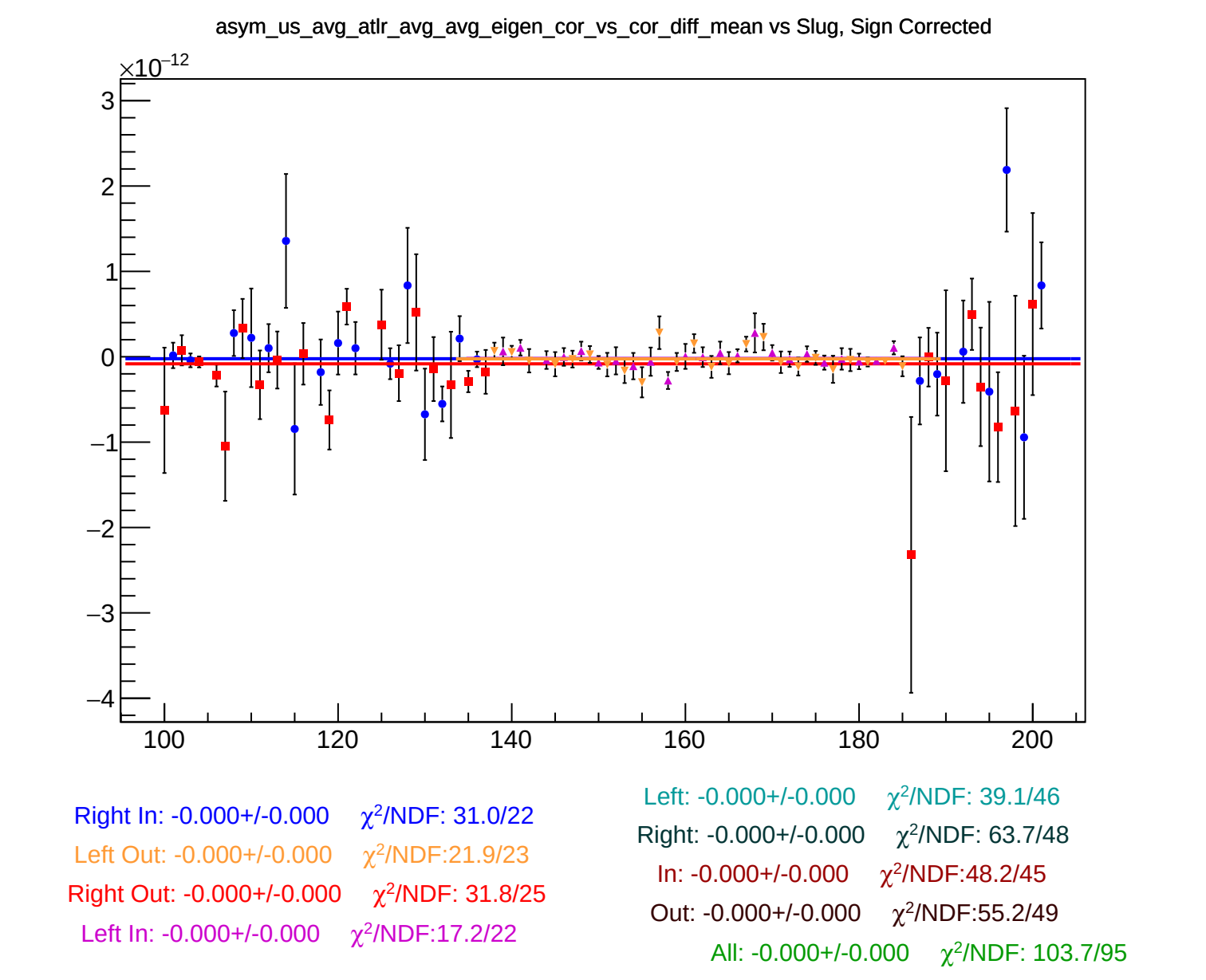
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

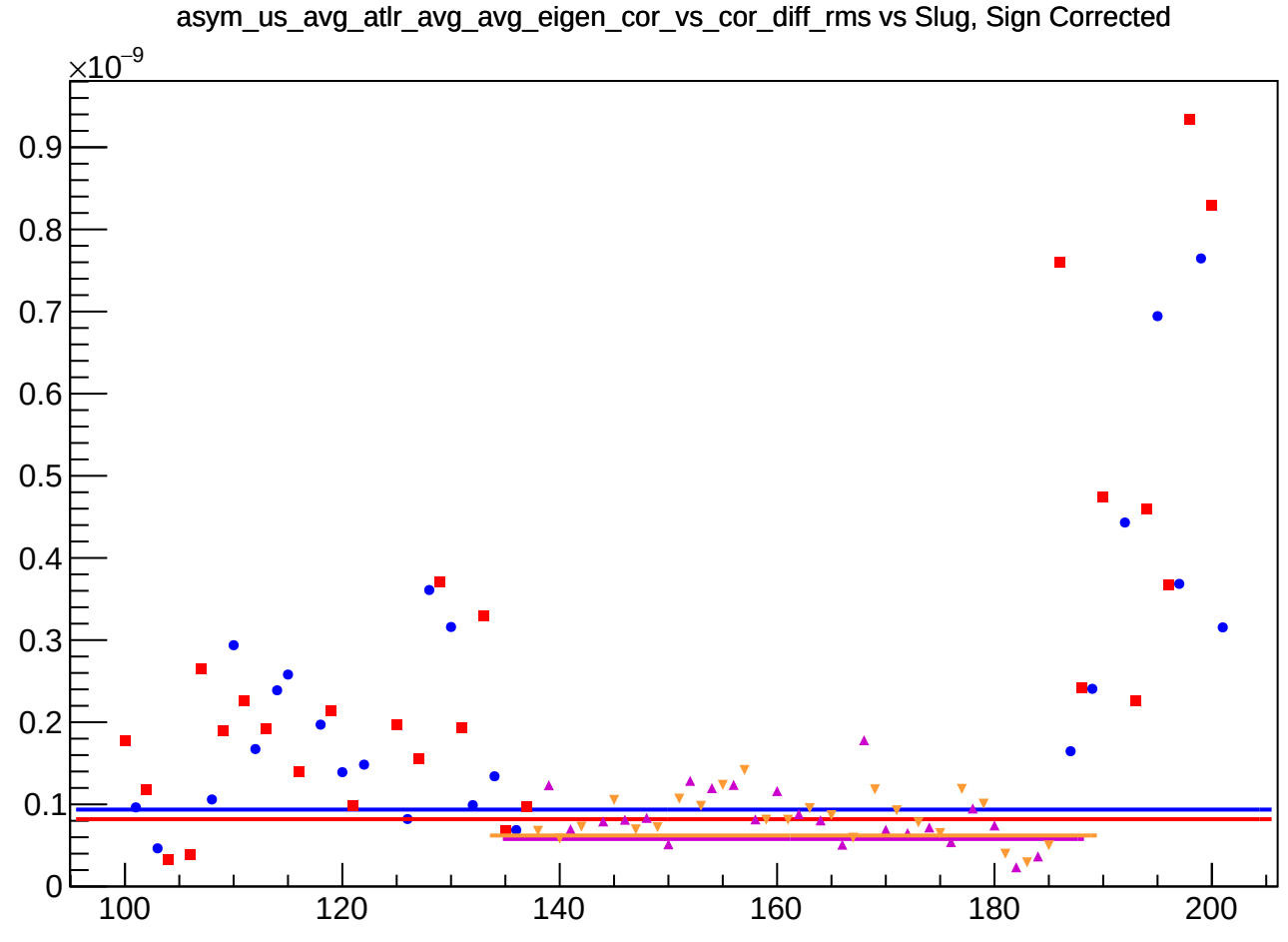
Right: 225.318+/-0.035 χ^2/NDF: 4580529.6/48

In: 289.478+/-0.040 χ^2/NDF:5974508.3/45

Out: 264.783+/-0.037 χ^2/NDF:9491380.4/49

All: 276.286+/-0.027 χ^2/NDF: 15669768.4/95


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: 31.8/25
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: 63.7/48
In: -0.000+/-0.000 χ²/NDF:48.2/45
Out: -0.000+/-0.000 χ²/NDF:55.2/49
All: -0.000+/-0.000 χ²/NDF: 103.7/95



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: 7918761.2/25

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

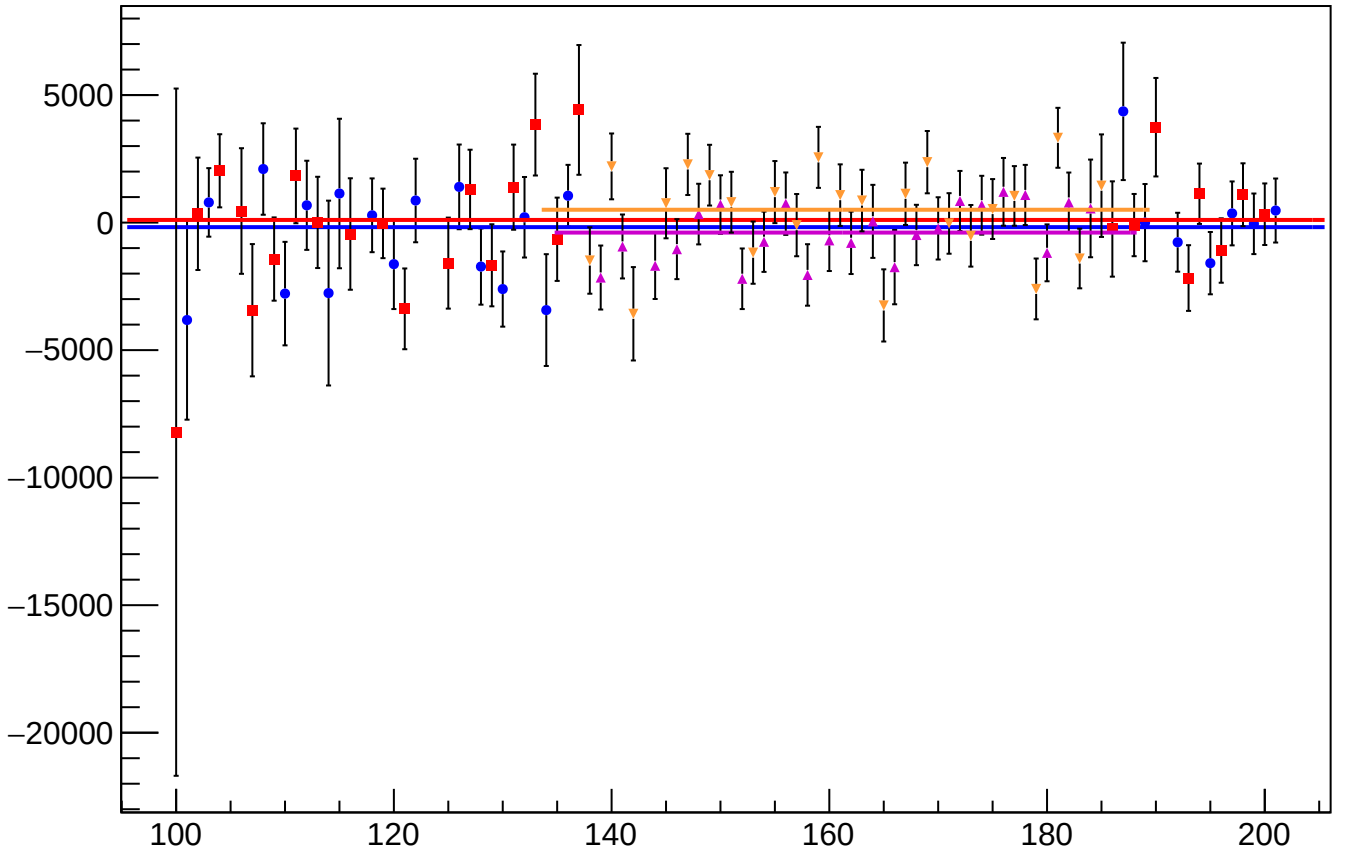
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 13528648.3/48

In: 0.000+/-0.000 χ^2/NDF:12092564.8/45

Out: 0.000+/-0.000 χ^2/NDF:12367777.7/49

All: 0.000+/-0.000 χ^2/NDF: 24482879.9/95



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: 103.930+/-317.729 χ^2/NDF: 29.7/25

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

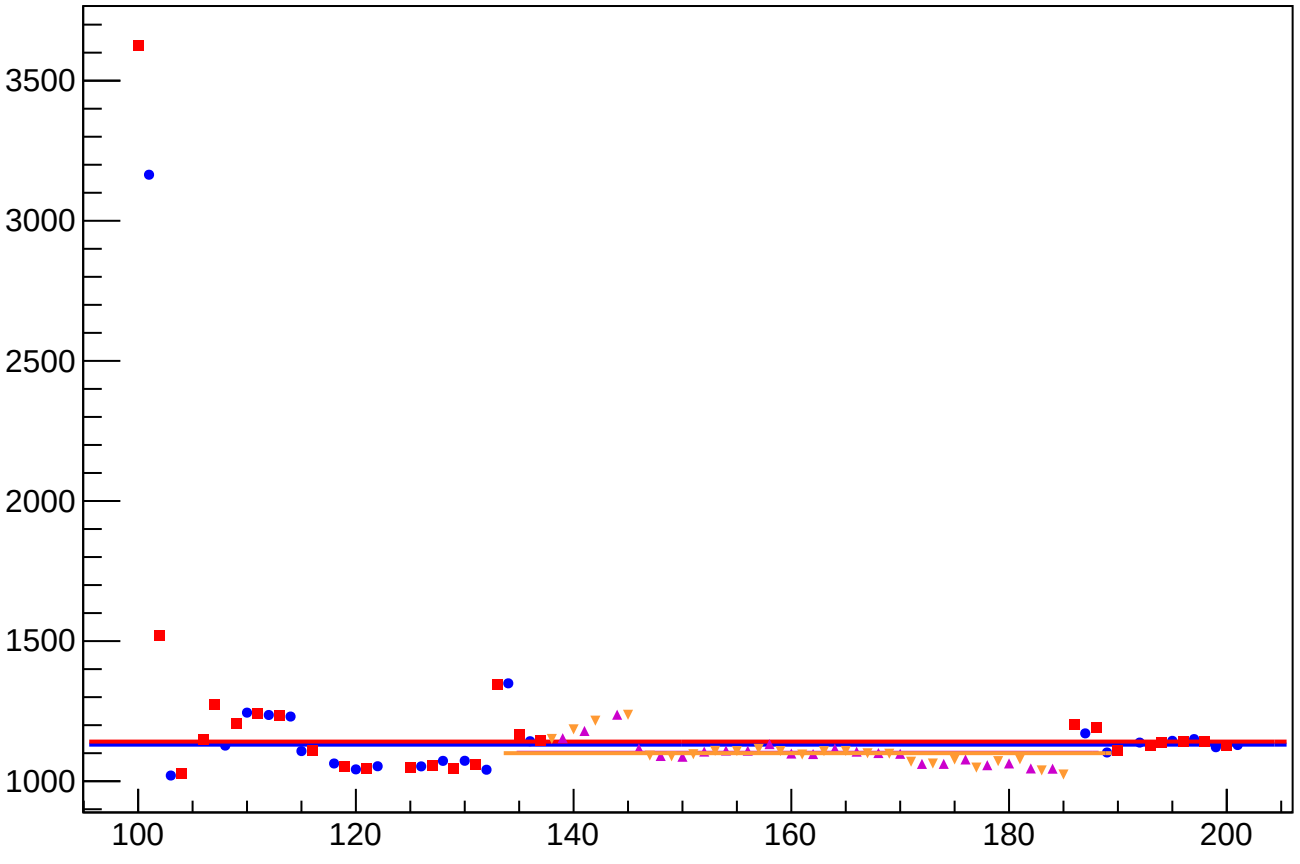
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -33.573+/-227.561 χ^2/NDF: 49.8/48

In: -309.814+/-202.030 χ^2/NDF:37.8/45

Out: 346.628+/-199.123 χ^2/NDF:75.2/49

All: 23.162+/-141.818 χ^2/NDF: 118.4/95



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: 1141.385+/-0.224 χ^2/NDF: 226917.8/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

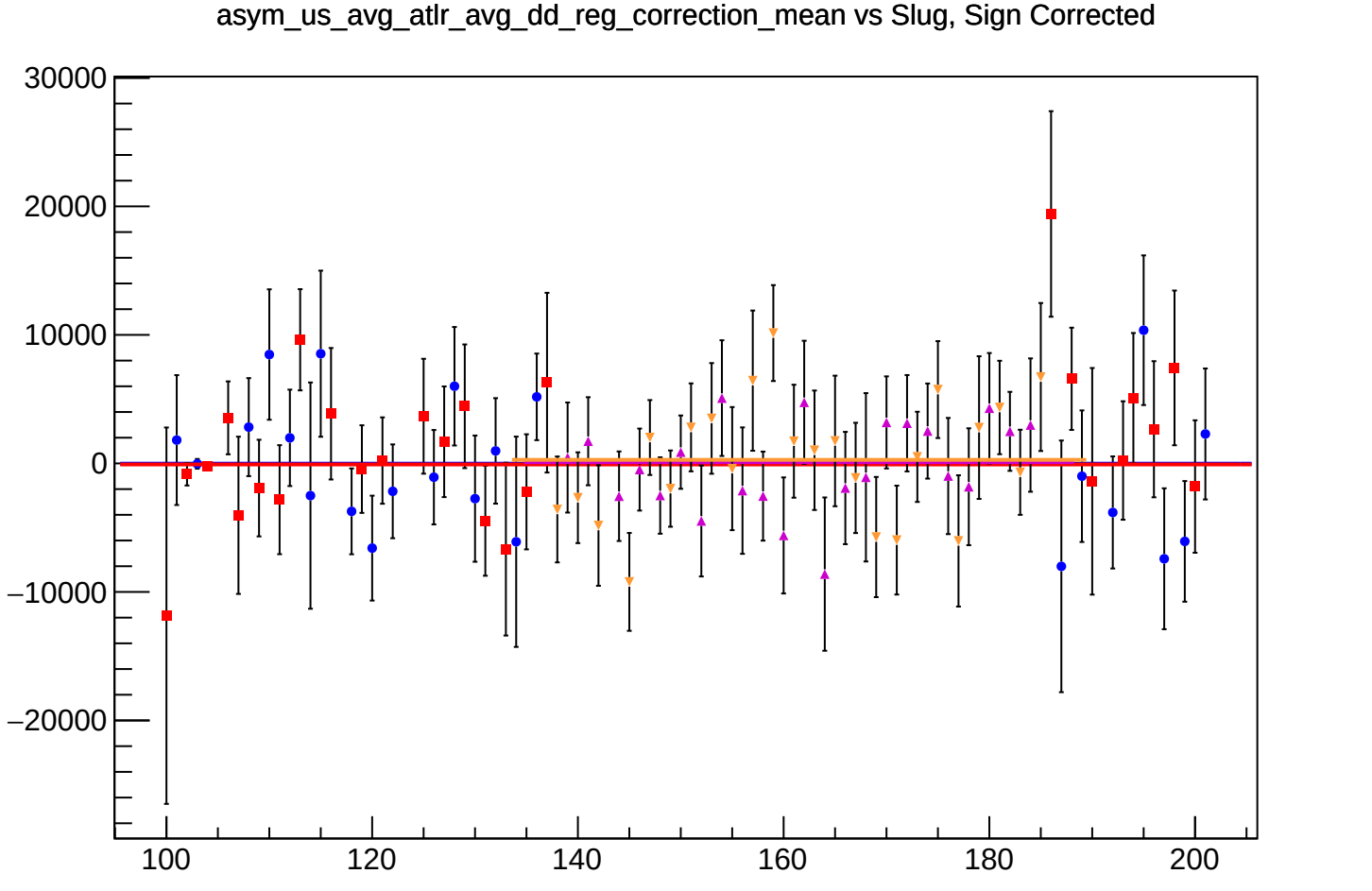
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

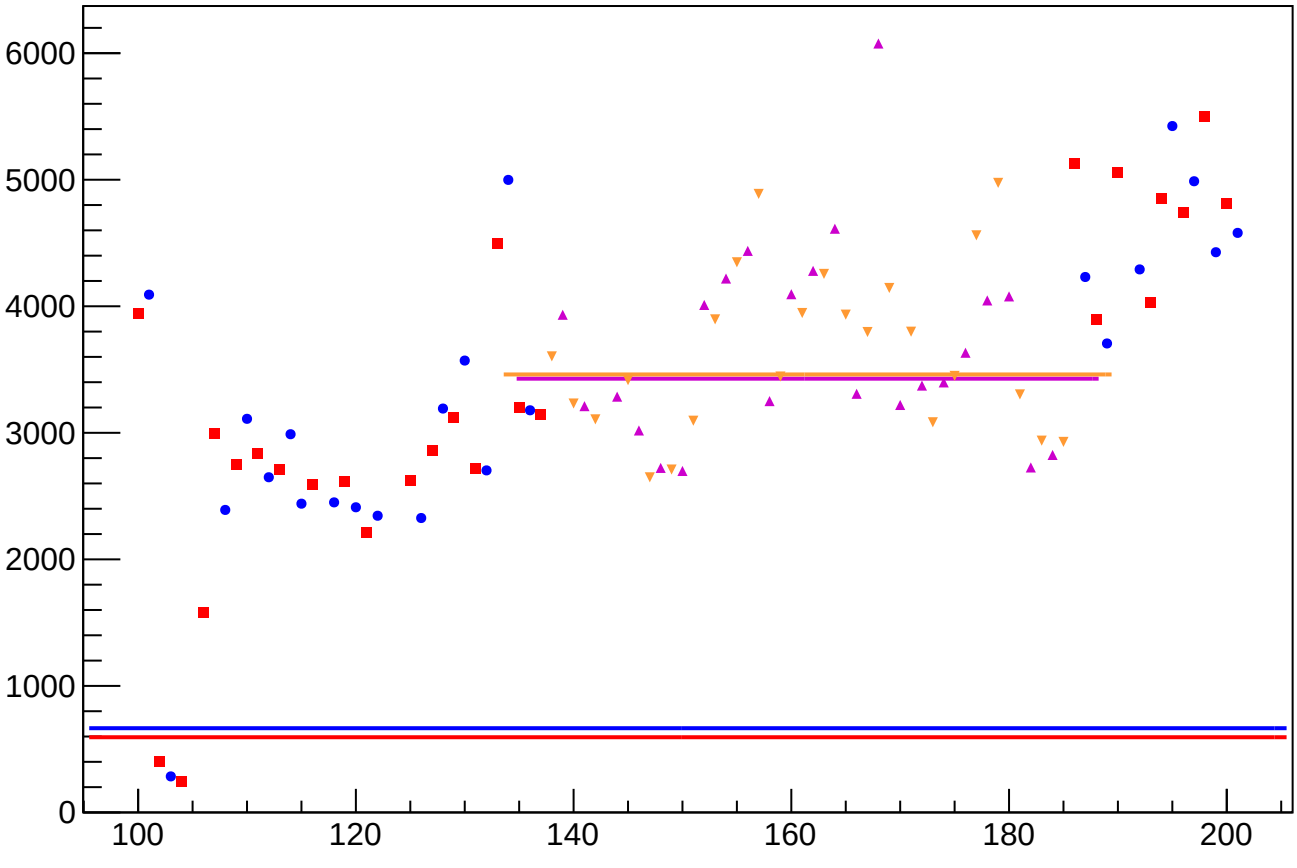
Right: 1136.067+/-0.161 χ^2/NDF: 851609.8/48

In: 1112.634+/-0.143 χ^2/NDF:685380.9/45

Out: 1116.313+/-0.141 χ^2/NDF:306217.8/49

All: 1114.501+/-0.100 χ^2/NDF: 991935.2/95


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -18.755+/-352.113 χ²/NDF: 23.2/22
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -80.458+/-317.968 χ²/NDF: 27.5/25
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -52.742+/-235.988 χ²/NDF: 50.7/48
In: -0.985+/-323.373 χ²/NDF:36.9/45
Out: -33.719+/-296.484 χ²/NDF:57.6/49
All: -18.769+/-218.535 χ²/NDF: 94.4/95



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: 594.391+/-0.225 χ^2/NDF: 18393275.1/25

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

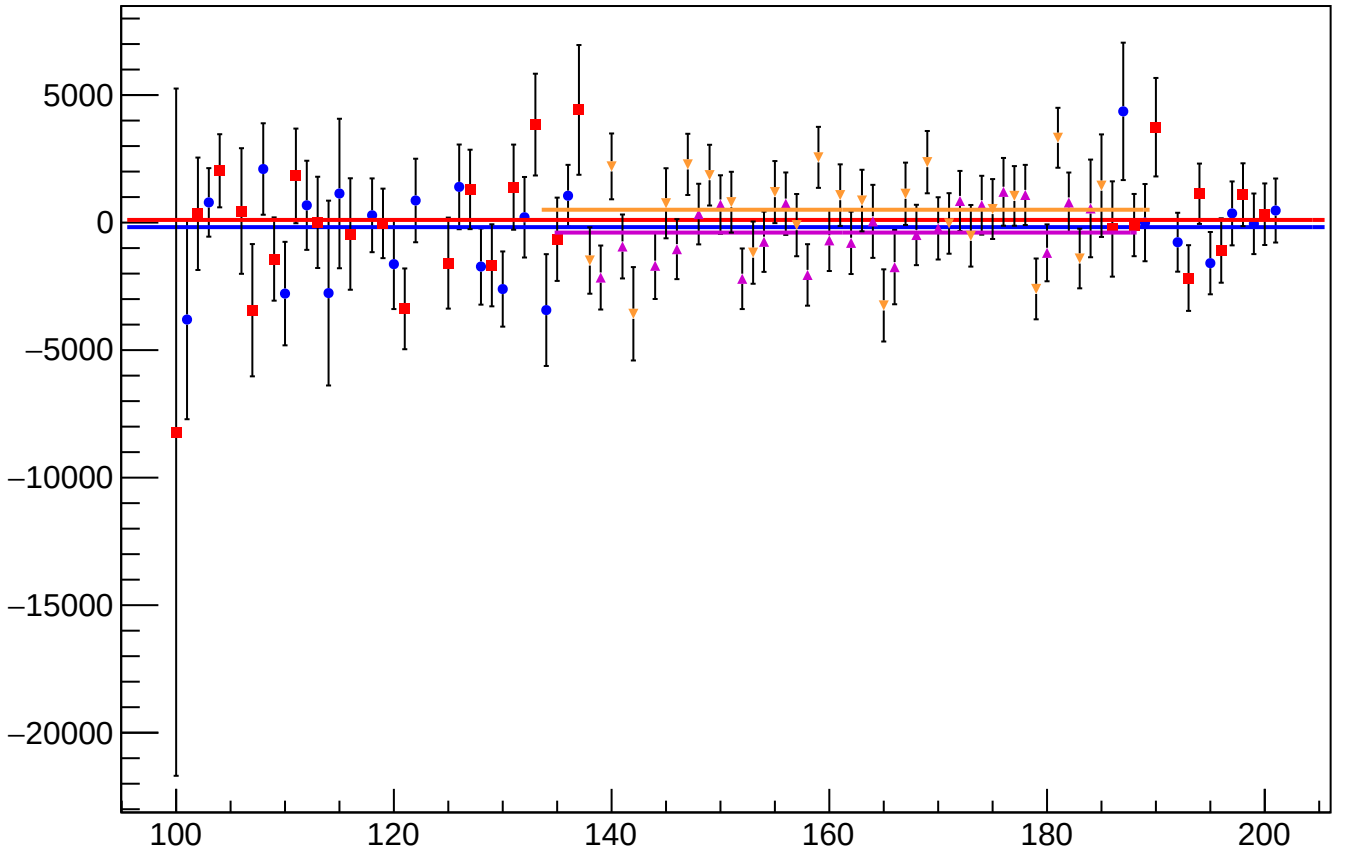
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 626.468+/-0.167 χ^2/NDF: 35749462.0/48

In: 1098.278+/-0.229 χ^2/NDF:37823013.5/45

Out: 968.717+/-0.210 χ^2/NDF:40680578.0/49

All: 1027.888+/-0.155 χ^2/NDF: 78678016.6/9



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: 103.991+/-317.729 χ^2/NDF: 29.7/25

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

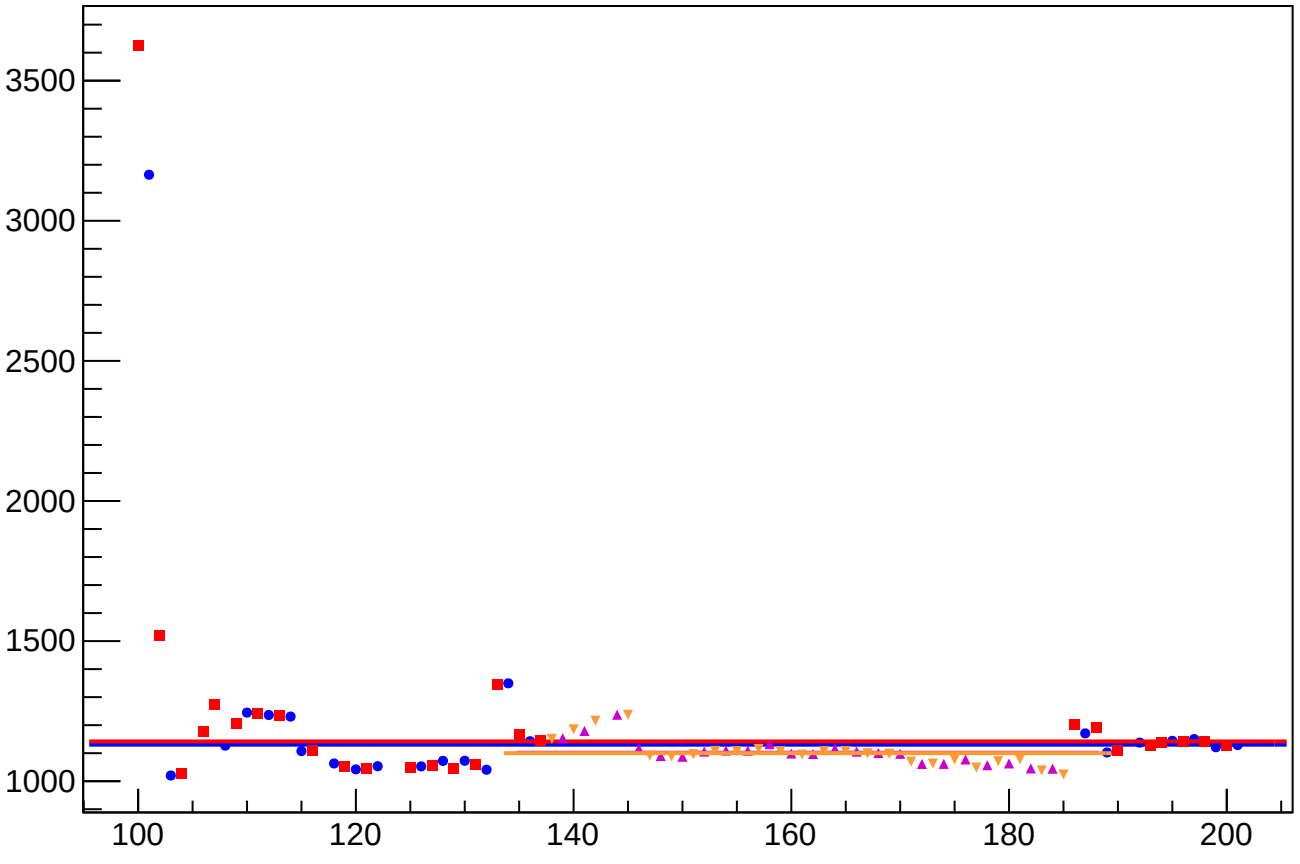
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -33.502+/-227.561 χ^2/NDF: 49.8/48

In: -309.776+/-202.030 χ^2/NDF:37.8/45

Out: 346.697+/-199.123 χ^2/NDF:75.3/49

All: 23.216+/-141.818 χ^2/NDF: 118.4/95



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: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

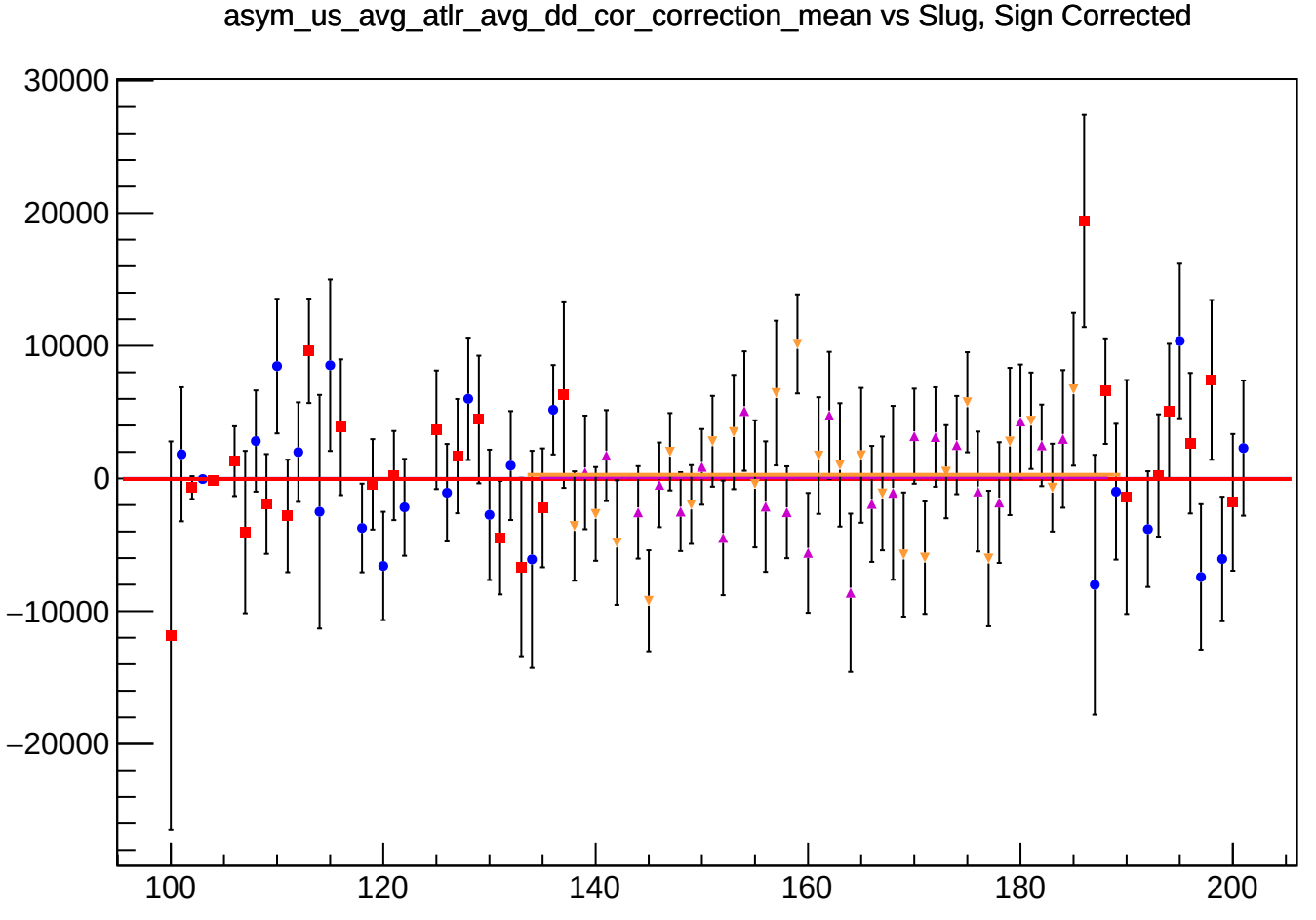
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.334+/-0.161 χ^2/NDF: 852176.6/48

In: 1112.634+/-0.143 χ^2/NDF:685381.9/45

Out: 1116.506+/-0.141 χ^2/NDF:307181.1/49

All: 1114.598+/-0.100 χ^2/NDF: 992935.8/95



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: -40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

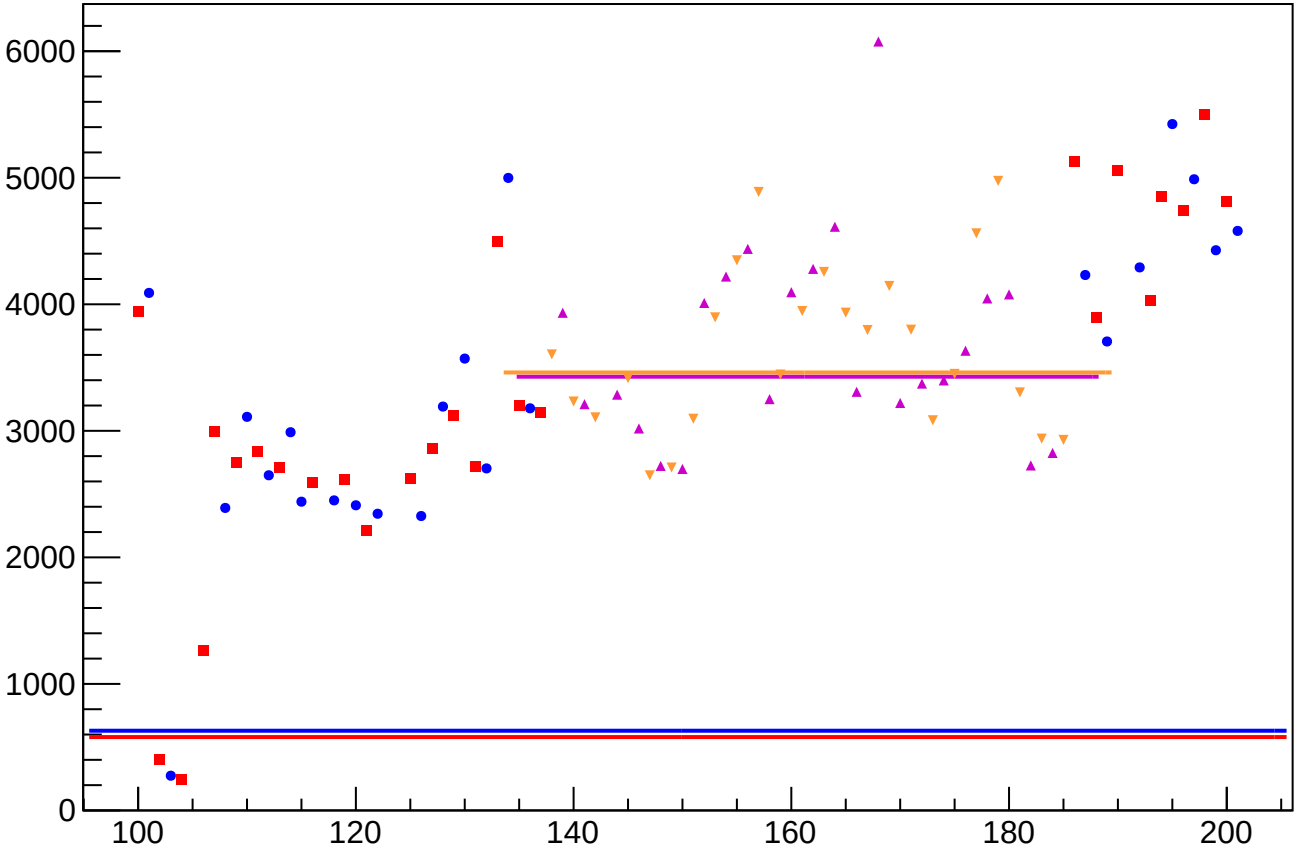
Right: -35.862+/-230.146 χ^2/NDF: 49.0/48

In: -12.437+/-313.574 χ^2/NDF:36.9/45

Out: 0.303+/-292.447 χ^2/NDF:55.8/49

All: -5.623+/-213.871 χ^2/NDF: 92.7/95

asym_us_avg_atlr_avg_dd_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: 579.937+/-0.221 χ^2/NDF: 18374300.4/25

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

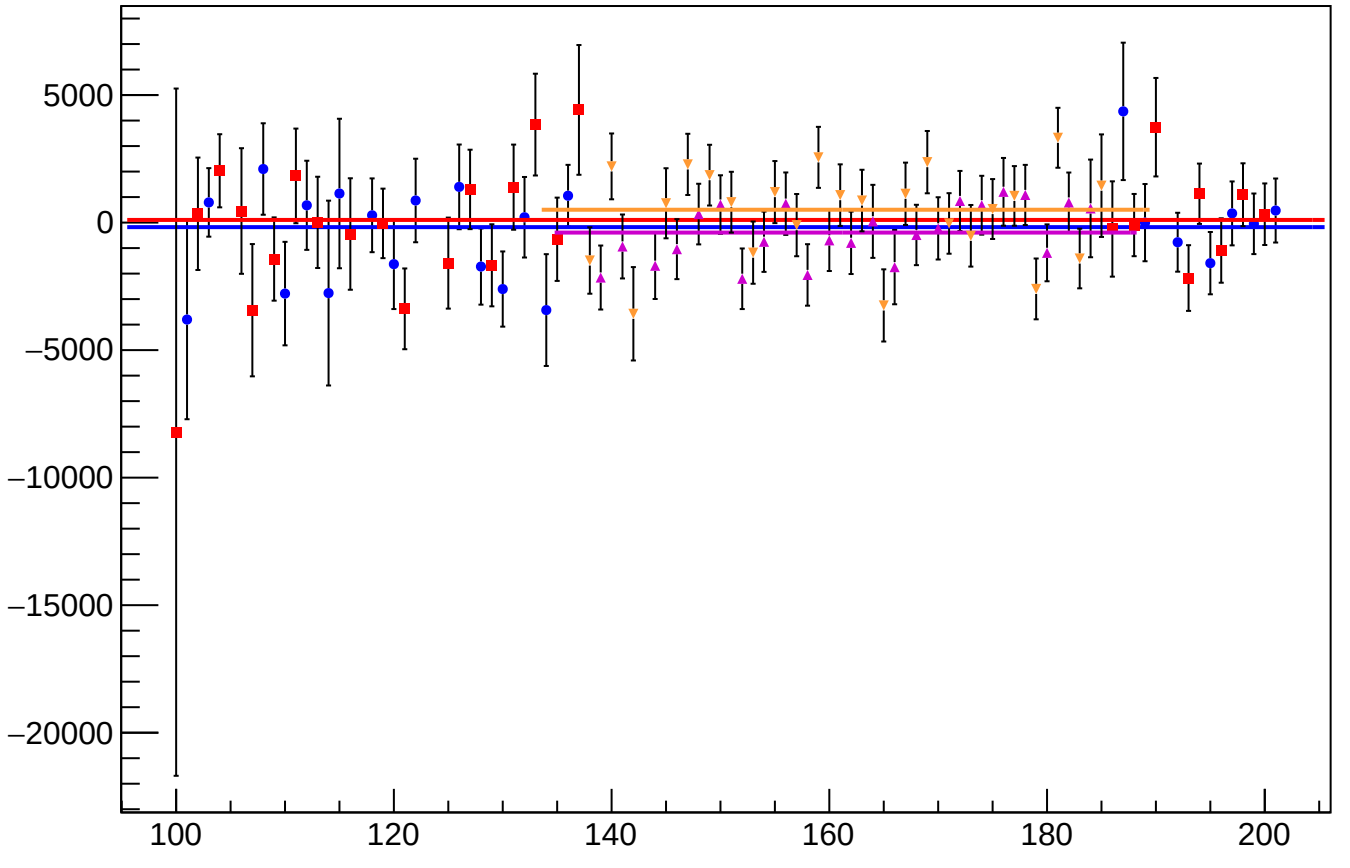
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 602.964+/-0.163 χ^2/NDF: 35984216.4/48

In: 1041.987+/-0.222 χ^2/NDF:38819458.0/45

Out: 945.977+/-0.207 χ^2/NDF:40963301.6/49

All: 990.639+/-0.151 χ^2/NDF: 79883034.0/95



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: 103.991+/-317.729 χ^2/NDF: 29.7/25

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

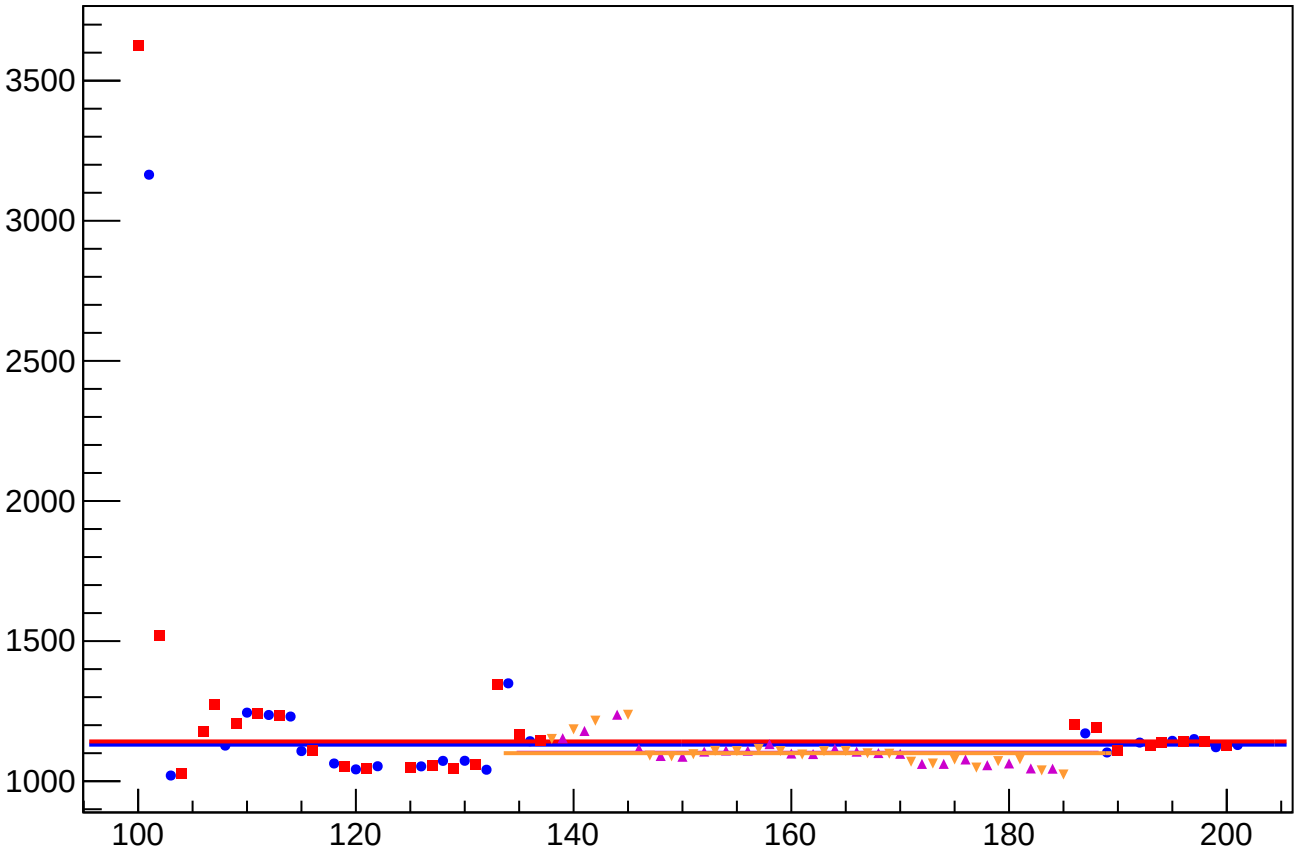
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -33.502+/-227.561 χ^2/NDF: 49.8/48

In: -309.776+/-202.030 χ^2/NDF:37.8/45

Out: 346.697+/-199.123 χ^2/NDF:75.3/49

All: 23.216+/-141.818 χ^2/NDF: 118.4/95



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: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

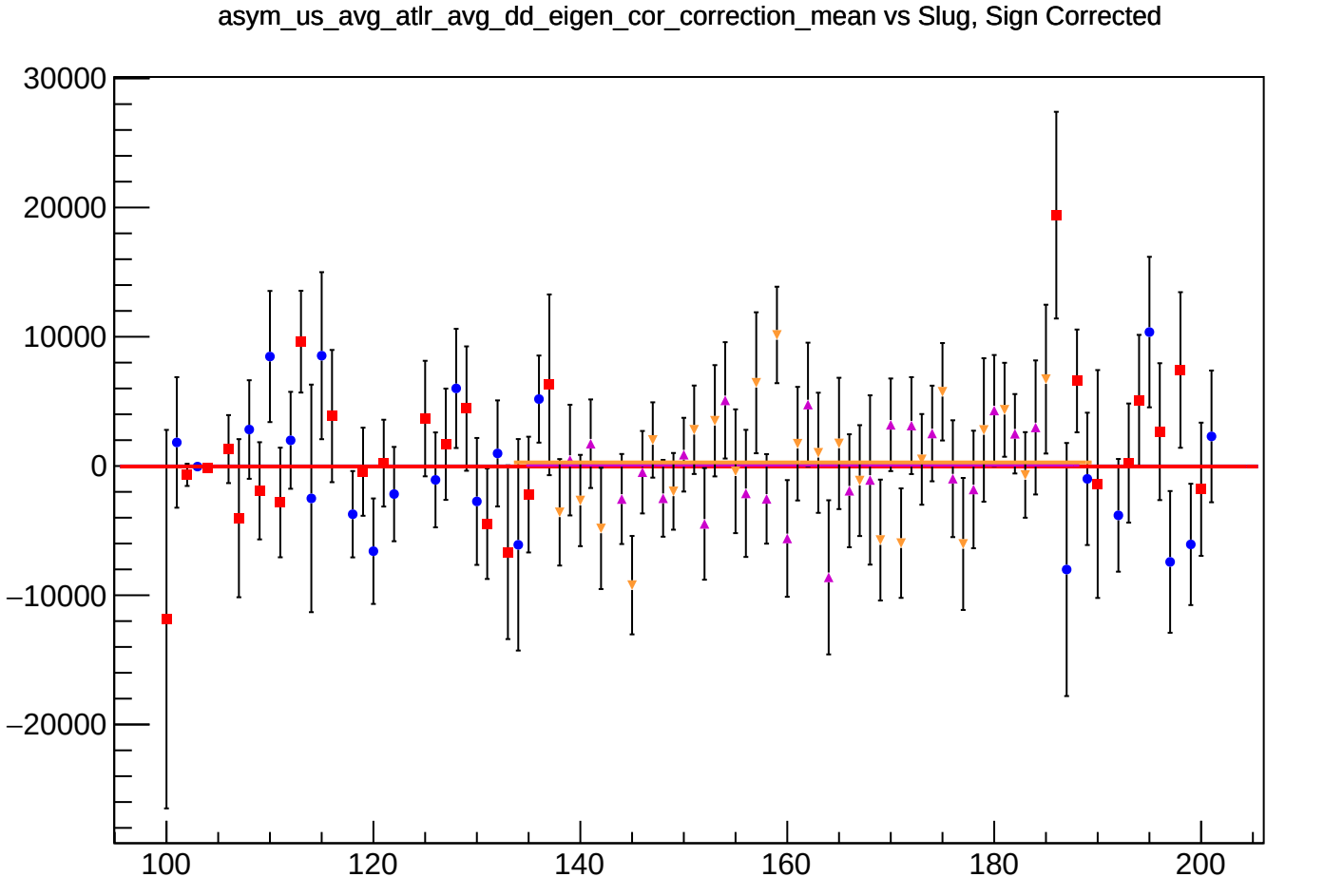
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.334+/-0.161 χ^2/NDF: 852176.6/48

In: 1112.634+/-0.143 χ^2/NDF:685381.9/45

Out: 1116.506+/-0.141 χ^2/NDF:307181.1/49

All: 1114.598+/-0.100 χ^2/NDF: 992935.8/95



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: -40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

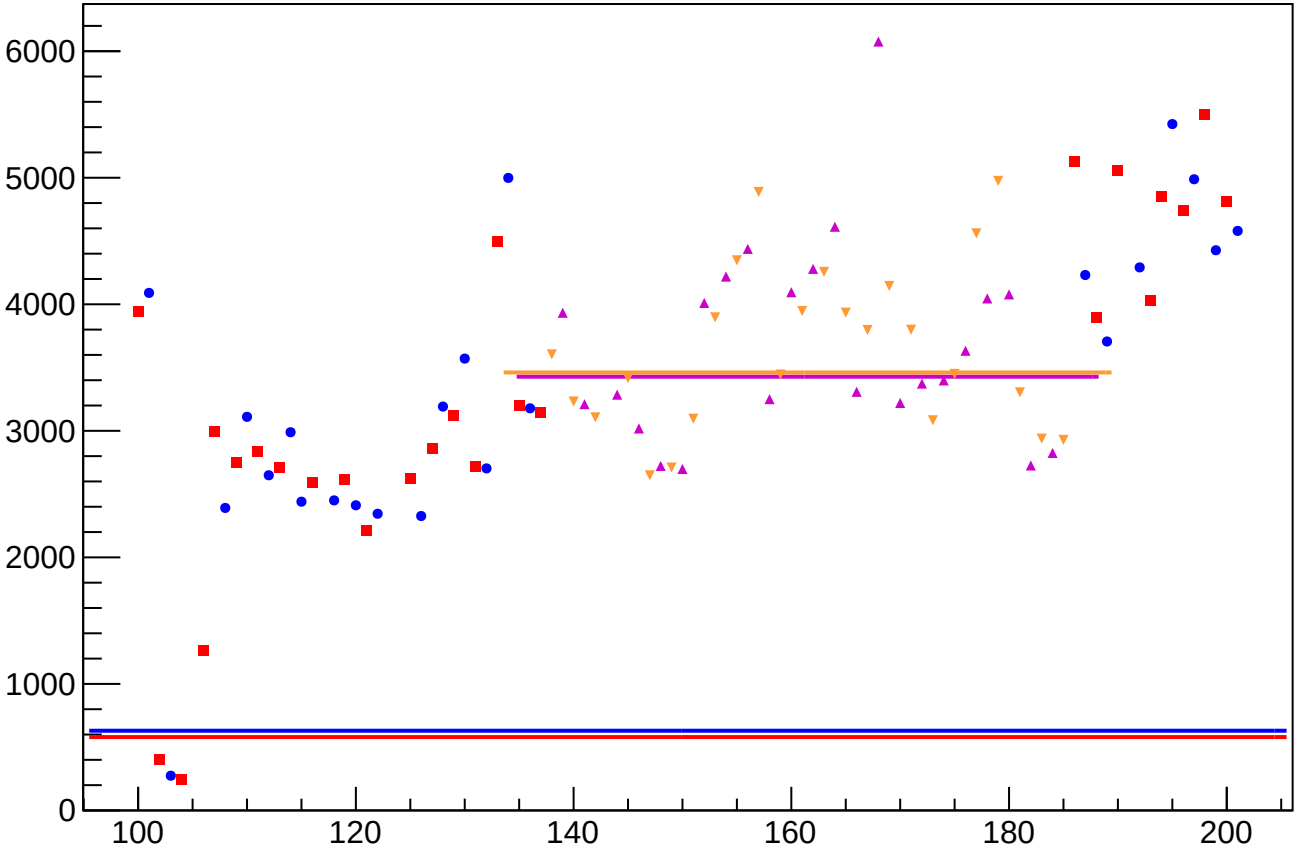
Right: -35.862+/-230.146 χ^2/NDF: 49.0/48

In: -12.437+/-313.574 χ^2/NDF:36.9/45

Out: 0.303+/-292.447 χ^2/NDF:55.8/49

All: -5.623+/-213.871 χ^2/NDF: 92.7/95

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: 579.937+/-0.221 χ^2/NDF: 18374300.4/25

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

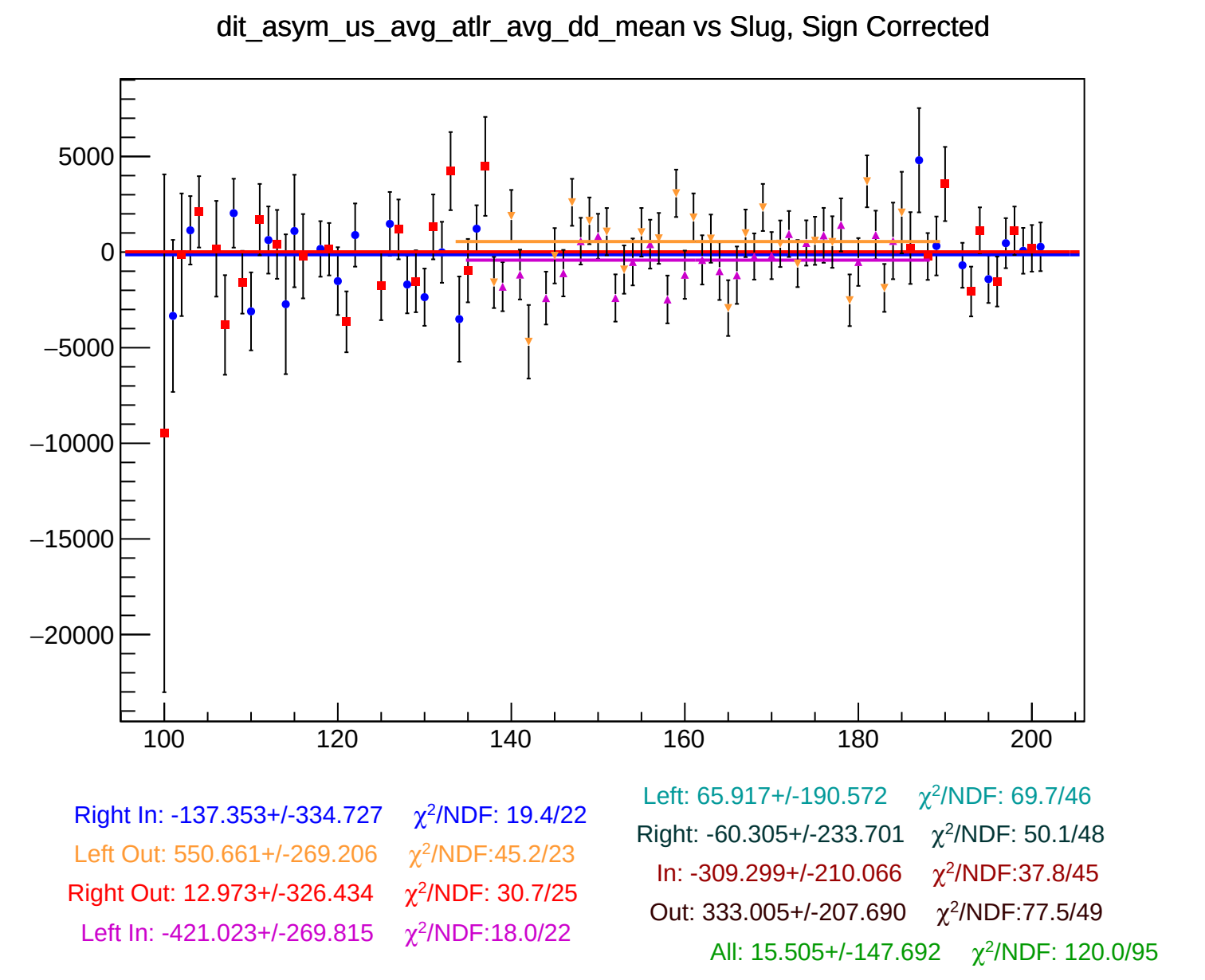
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

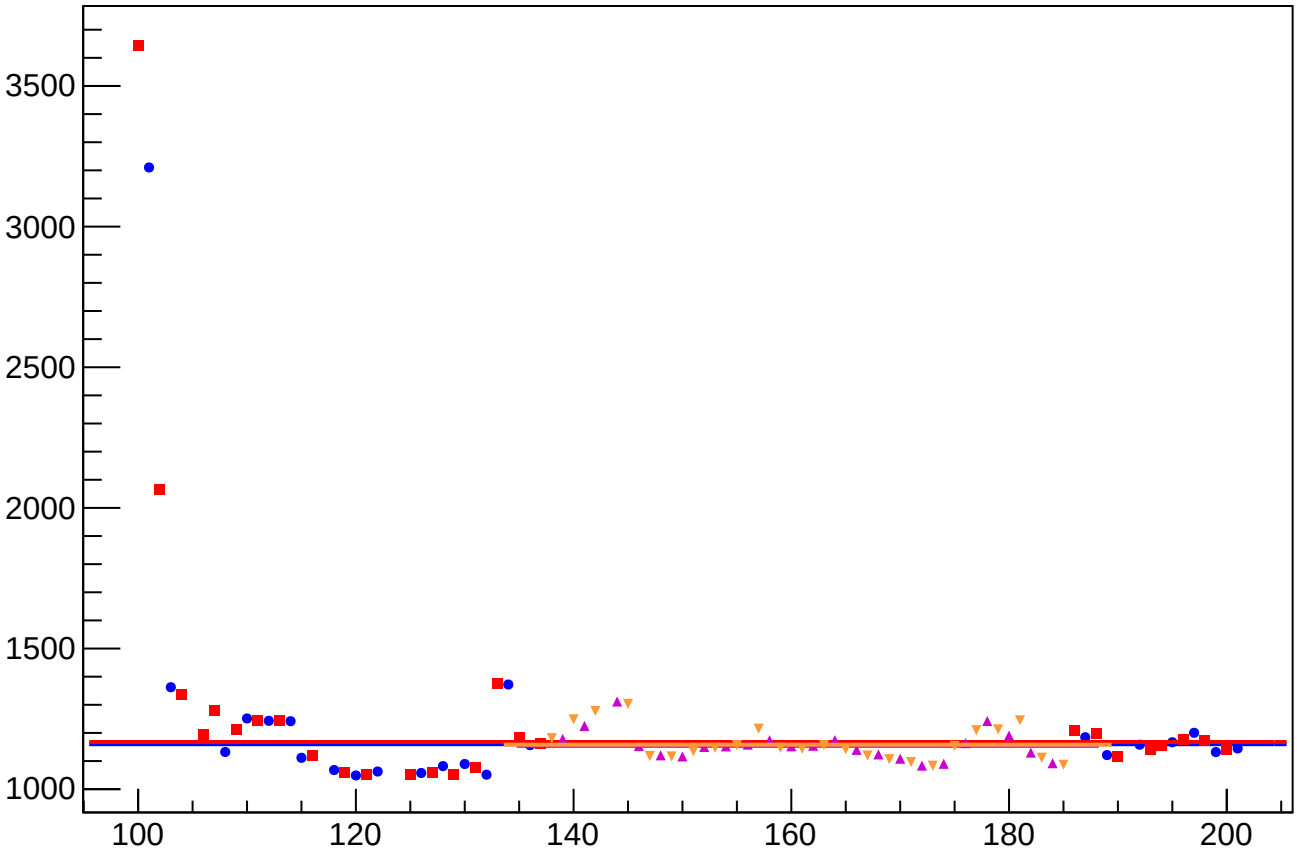
Right: 602.964+/-0.163 χ^2/NDF: 35984216.4/48

In: 1041.987+/-0.222 χ^2/NDF:38819458.0/45

Out: 945.977+/-0.207 χ^2/NDF:40963301.6/49

All: 990.639+/-0.151 χ^2/NDF: 79883034.0/95


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -137.353+/-334.727 χ²/NDF: 19.4/22
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 12.973+/-326.434 χ²/NDF: 30.7/25
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -60.305+/-233.701 χ²/NDF: 50.1/48
In: -309.299+/-210.066 χ²/NDF:37.8/45
Out: 333.005+/-207.690 χ²/NDF:77.5/49
All: 15.505+/-147.692 χ²/NDF: 120.0/95



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: 1167.785+/-0.231 χ^2/NDF: 337610.7/25

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

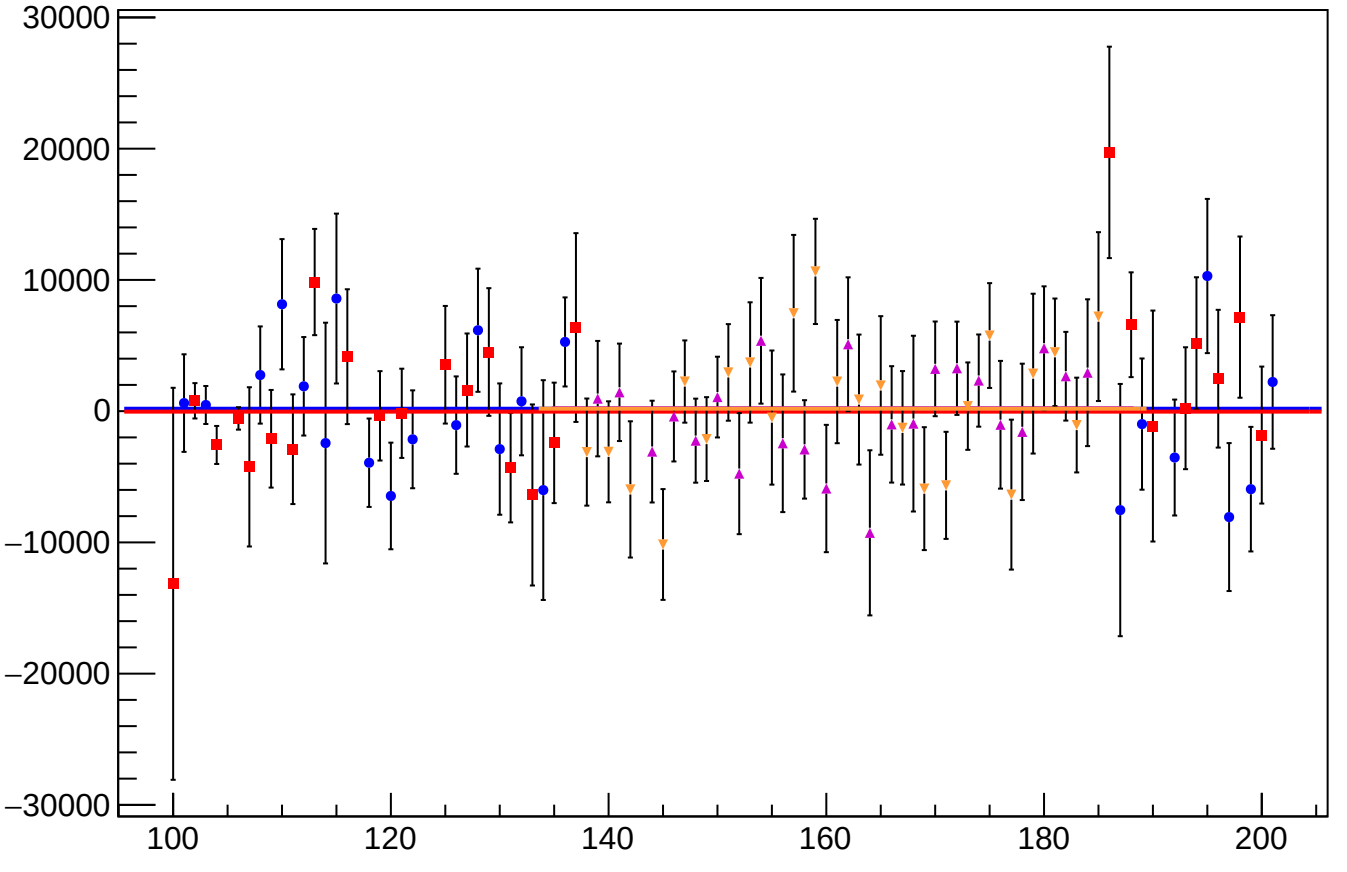
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1163.952+/-0.165 χ^2/NDF: 978407.1/48

In: 1156.471+/-0.149 χ^2/NDF:707057.5/45

Out: 1162.068+/-0.147 χ^2/NDF:422754.2/49

All: 1159.302+/-0.104 χ^2/NDF: 1130529.5/95



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: -35.725+/-542.381 χ^2/NDF: 28.7/25

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

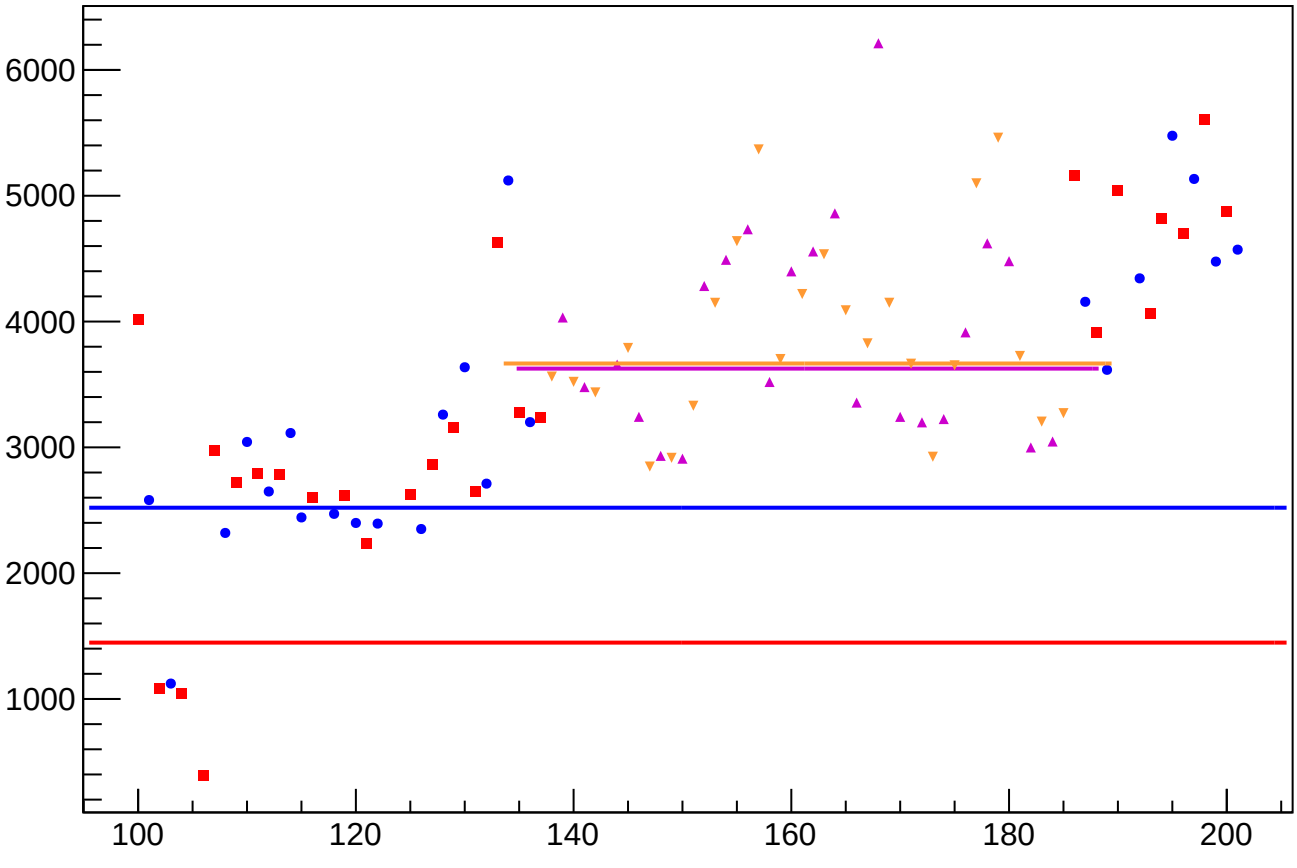
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 33.453+/-449.303 χ^2/NDF: 51.6/48

In: 201.680+/-588.083 χ^2/NDF:36.3/45

Out: 27.436+/-460.179 χ^2/NDF:58.0/49

All: 93.610+/-362.411 χ^2/NDF: 94.3/95



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: 1448.005+/-0.384 χ^2/NDF: 11894793.4/25

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

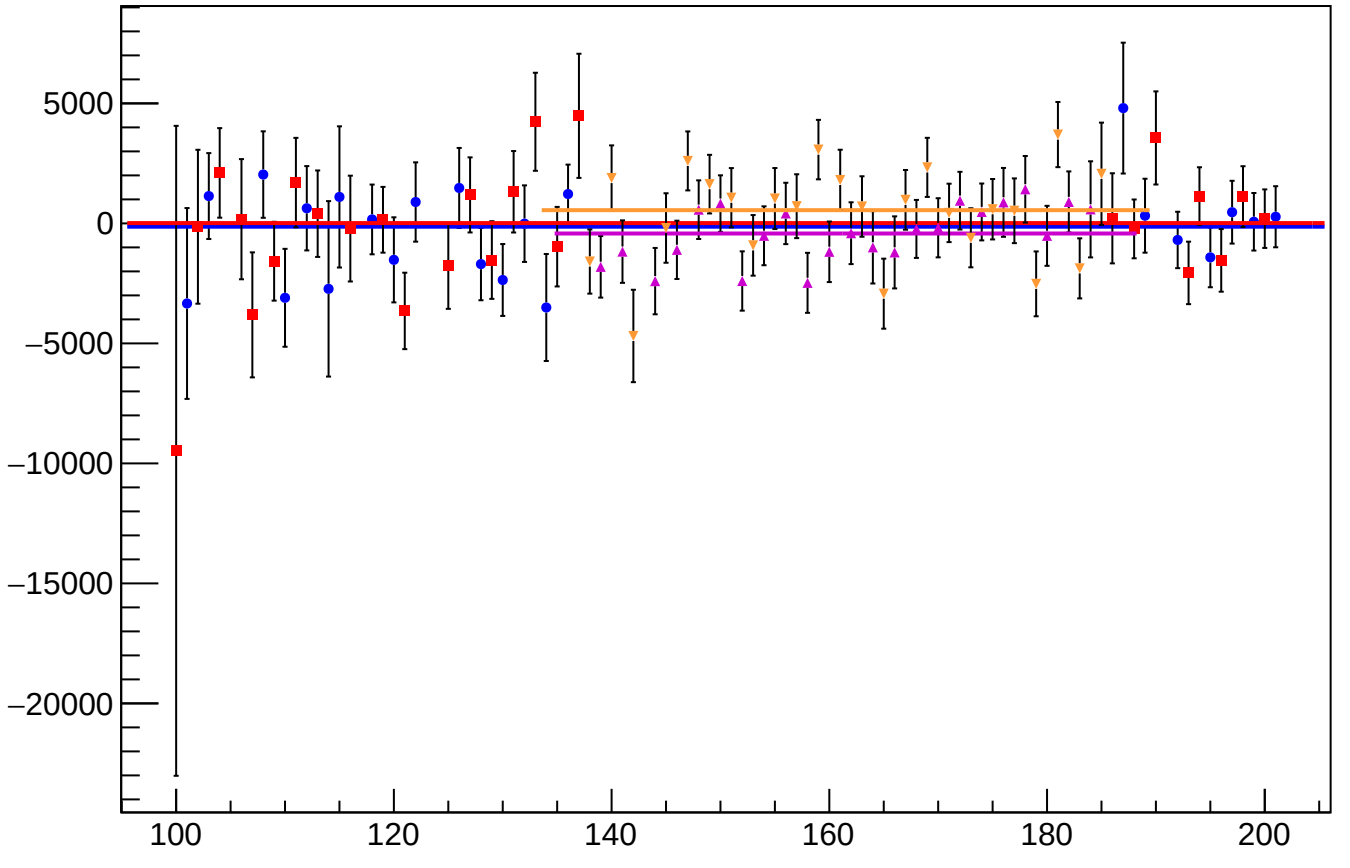
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1784.457+/-0.318 χ^2/NDF: 18783919.8/48

In: 3031.603+/-0.416 χ^2/NDF:7451728.6/45

Out: 2069.515+/-0.325 χ^2/NDF:22364828.1/49

All: 2434.892+/-0.256 χ^2/NDF: 33136506.1/9



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: 12.971+/-326.434 χ^2/NDF: 30.7/25

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

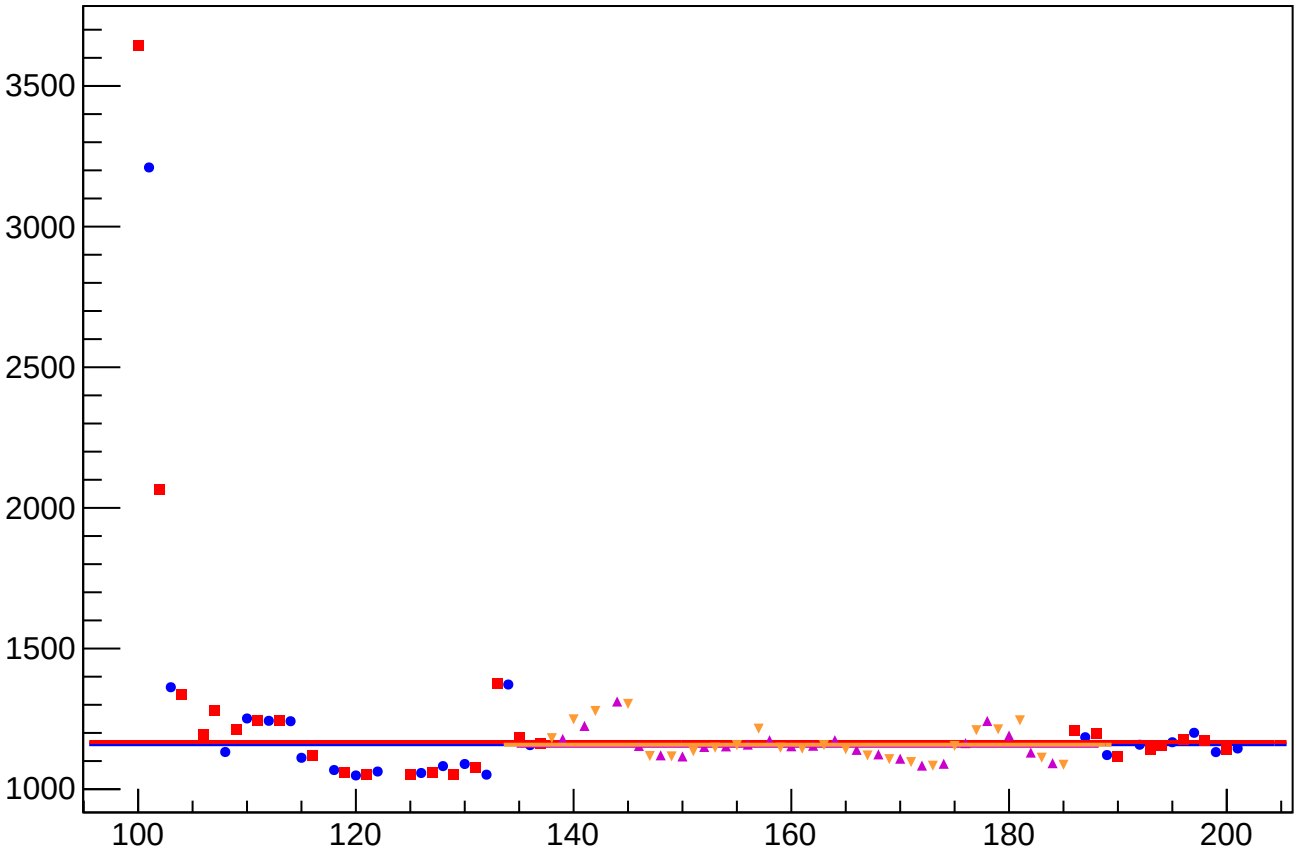
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -60.306+/-233.701 χ^2/NDF: 50.1/48

In: -309.298+/-210.066 χ^2/NDF:37.8/45

Out: 333.005+/-207.690 χ^2/NDF:77.5/49

All: 15.506+/-147.692 χ^2/NDF: 120.0/95



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: 1167.786+/-0.231 χ^2/NDF: 337610.4/25

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

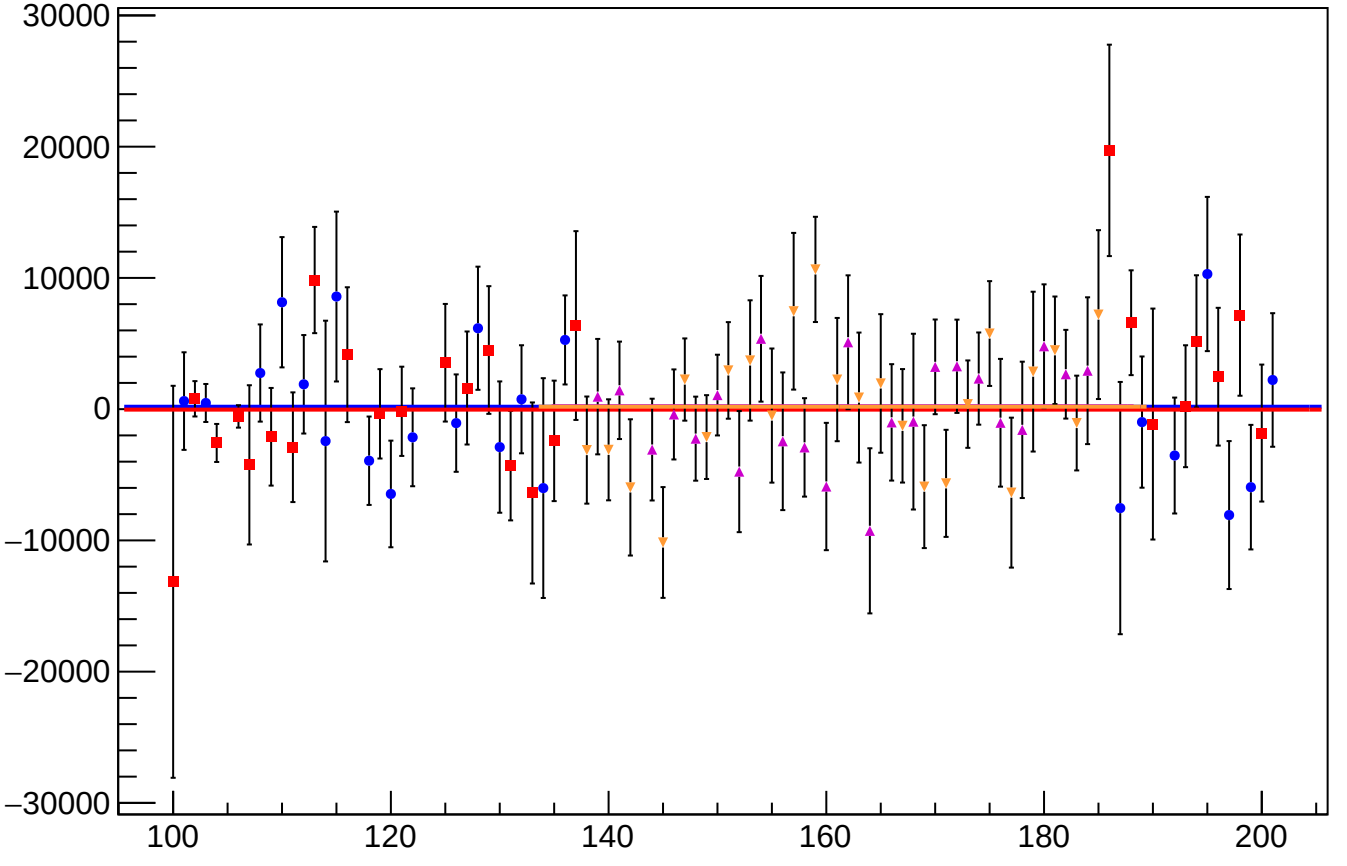
Right: 1163.952+/-0.165 χ^2/NDF: 978407.1/48

In: 1156.472+/-0.149 χ^2/NDF:707060.1/45

Out: 1162.068+/-0.147 χ^2/NDF:422756.1/49

All: 1159.302+/-0.104 χ^2/NDF: 1130534.1/95

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: -35.735+/-542.375 χ^2/NDF: 28.7/25

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

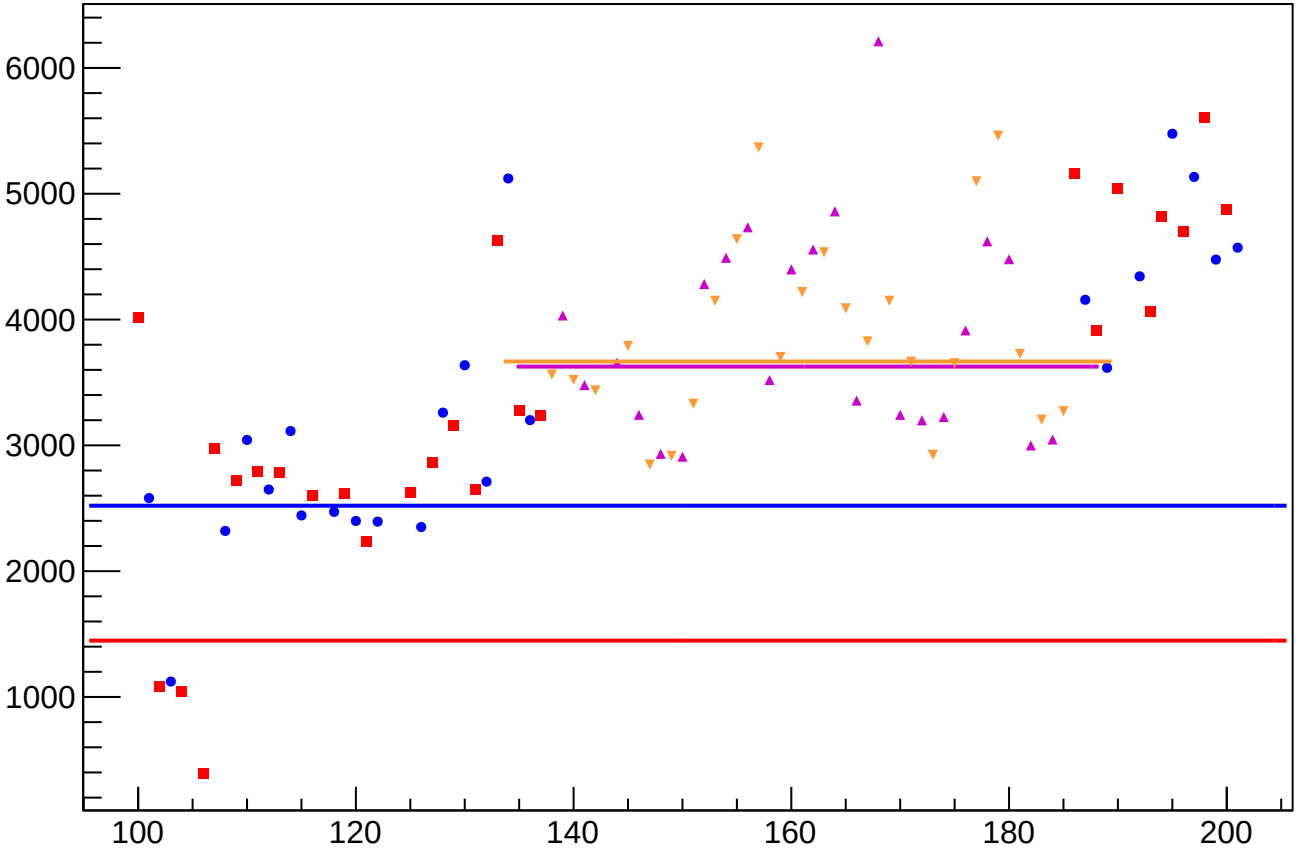
Right: 33.444+/-449.299 χ^2/NDF: 51.6/48

In: 201.678+/-588.083 χ^2/NDF:36.3/45

Out: 27.428+/-460.176 χ^2/NDF:58.0/49

All: 93.604+/-362.410 χ^2/NDF: 94.3/95

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2520.283+/-0.567 χ^2/NDF: 4436392.3/22

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1447.978+/-0.384 χ^2/NDF: 11895016.9/25

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

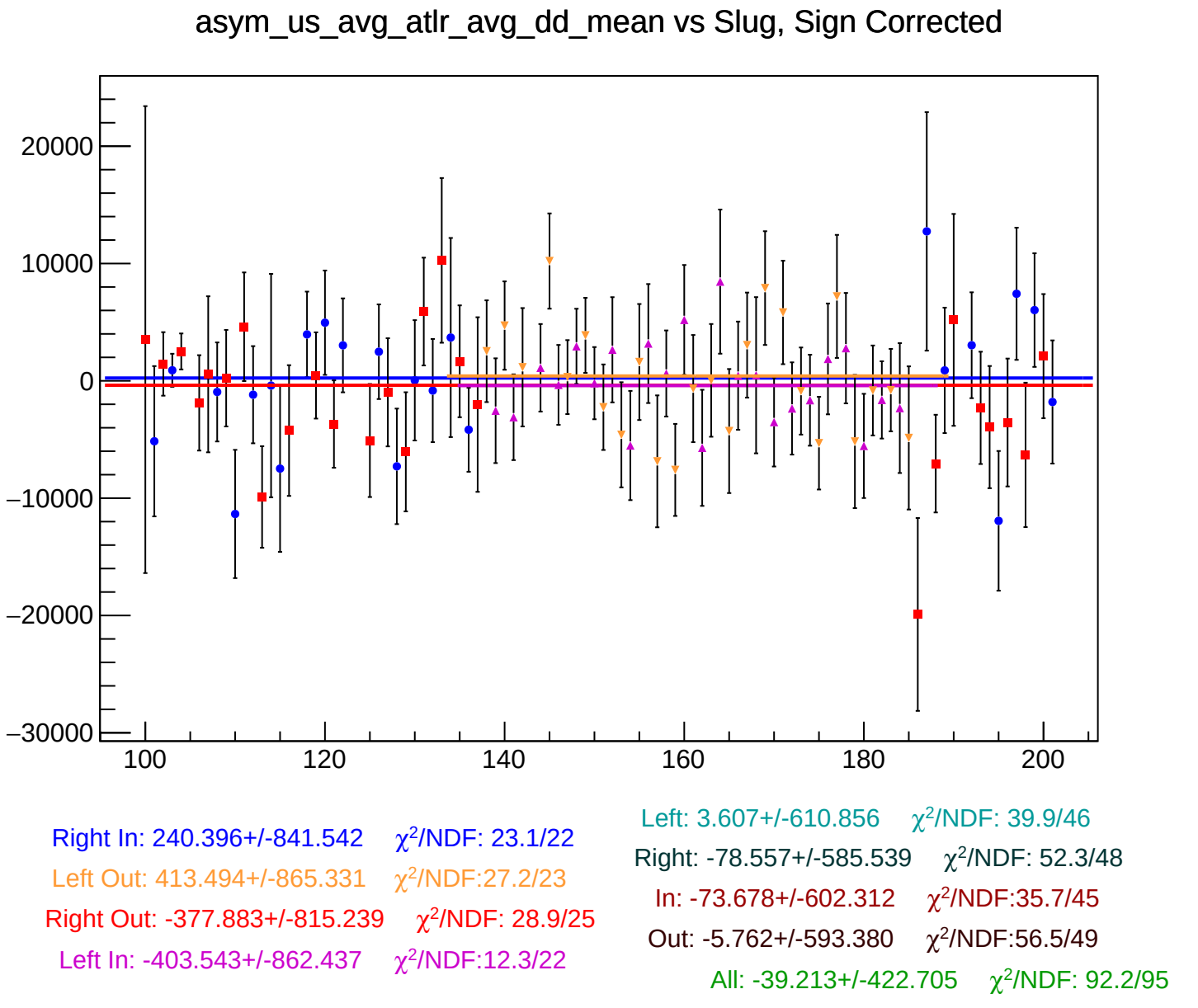
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

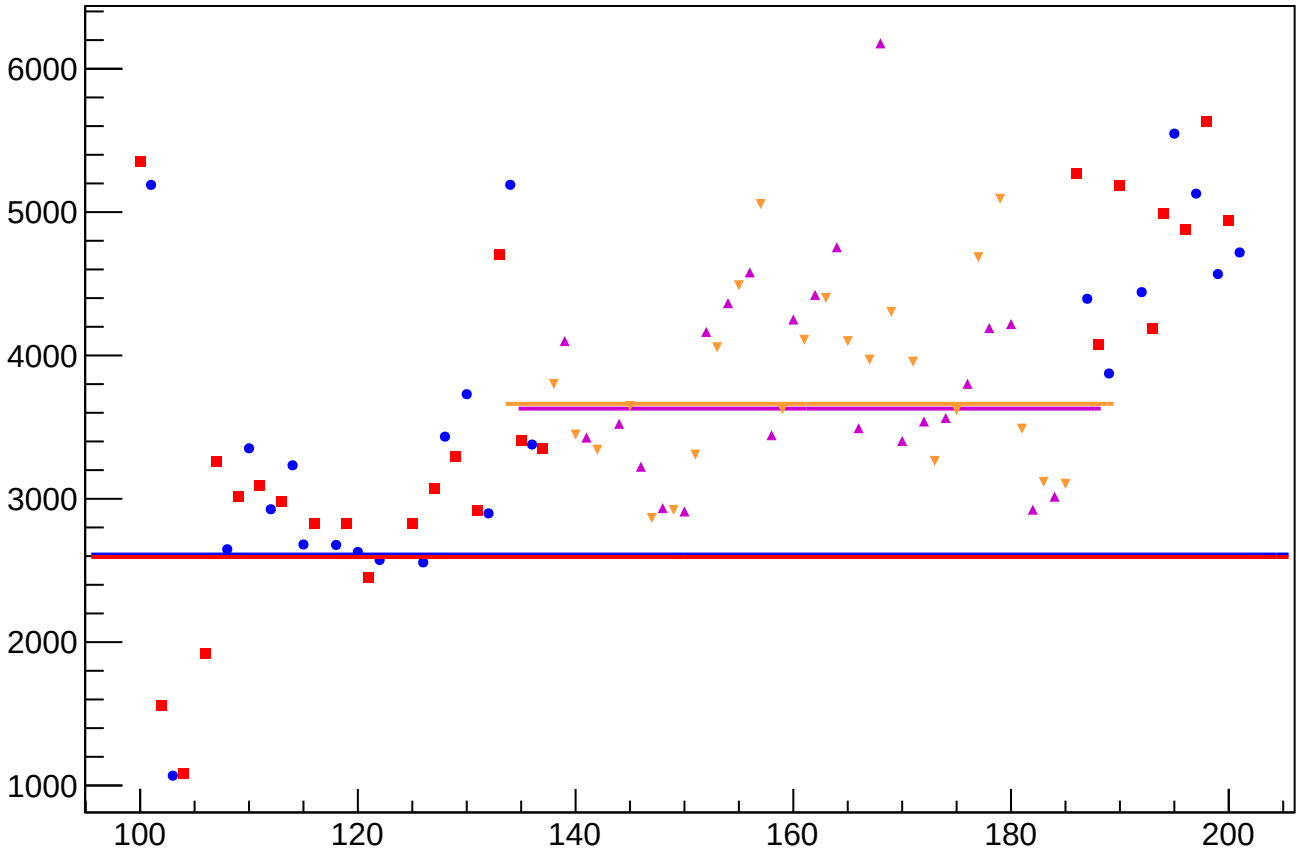
Right: 1784.432+/-0.318 χ^2/NDF: 18784284.7/48

In: 3031.602+/-0.416 χ^2/NDF:7451769.9/45

Out: 2069.486+/-0.325 χ^2/NDF:22365369.1/49

All: 2434.870+/-0.256 χ^2/NDF: 33137303.5/9


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 240.396+/-841.542 χ²/NDF: 23.1/22
Left Out: 413.494+/-865.331 χ²/NDF:27.2/23
Right Out: -377.883+/-815.239 χ²/NDF: 28.9/25
Left In: -403.543+/-862.437 χ²/NDF:12.3/22
Left: 3.607+/-610.856 χ²/NDF: 39.9/46
Right: -78.557+/-585.539 χ²/NDF: 52.3/48
In: -73.678+/-602.312 χ²/NDF:35.7/45
Out: -5.762+/-593.380 χ²/NDF:56.5/49
All: -39.213+/-422.705 χ²/NDF: 92.2/95



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: 2593.797+/-0.575 χ^2/NDF: 5272680.3/25

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

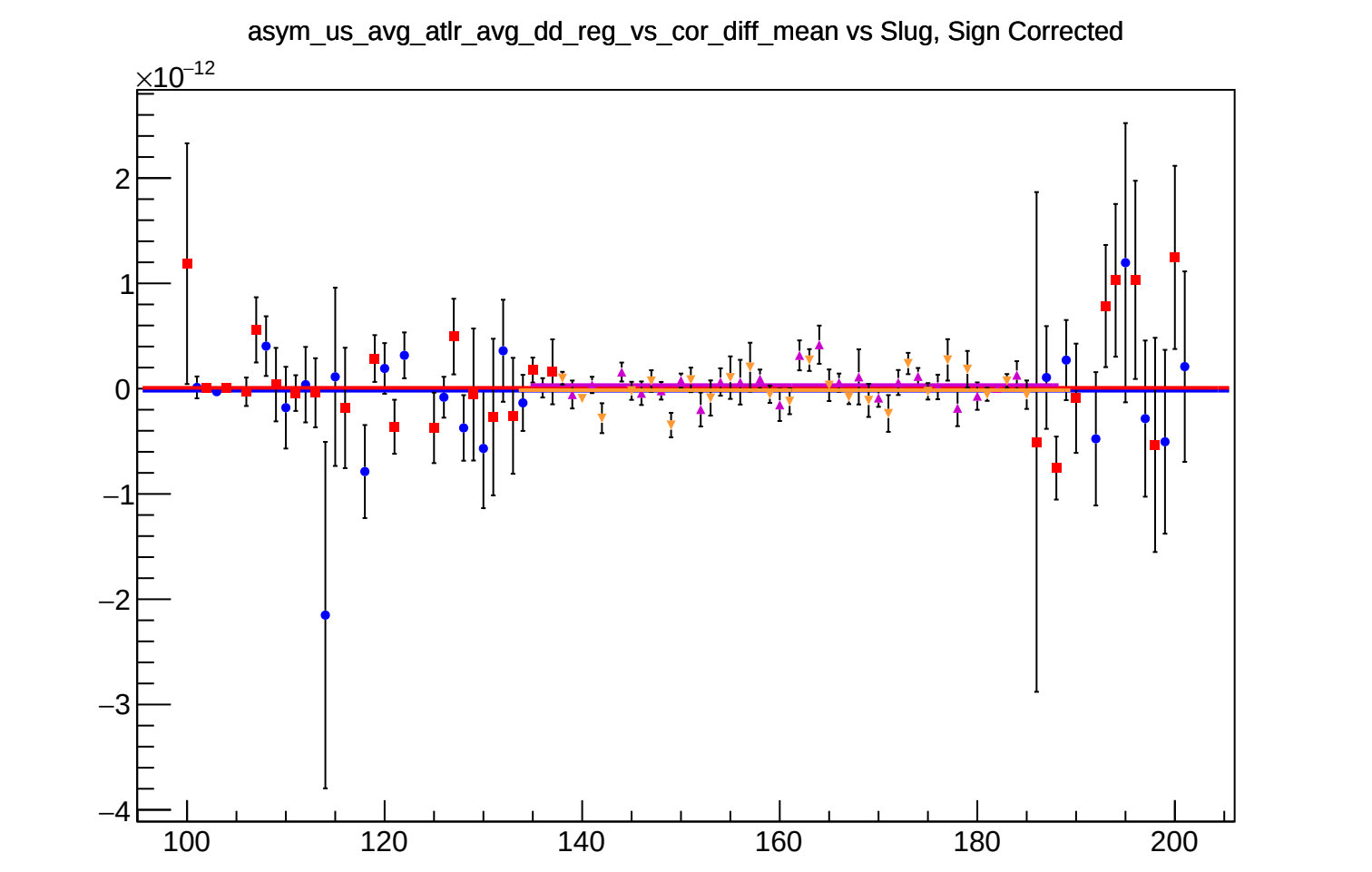
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2602.030+/-0.414 χ^2/NDF: 10528464.8/48

In: 3107.523+/-0.426 χ^2/NDF:7738737.7/45

Out: 3095.344+/-0.419 χ^2/NDF:7785774.6/49

All: 3101.336+/-0.299 χ^2/NDF: 15524927.8/9



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: 27.8/25

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

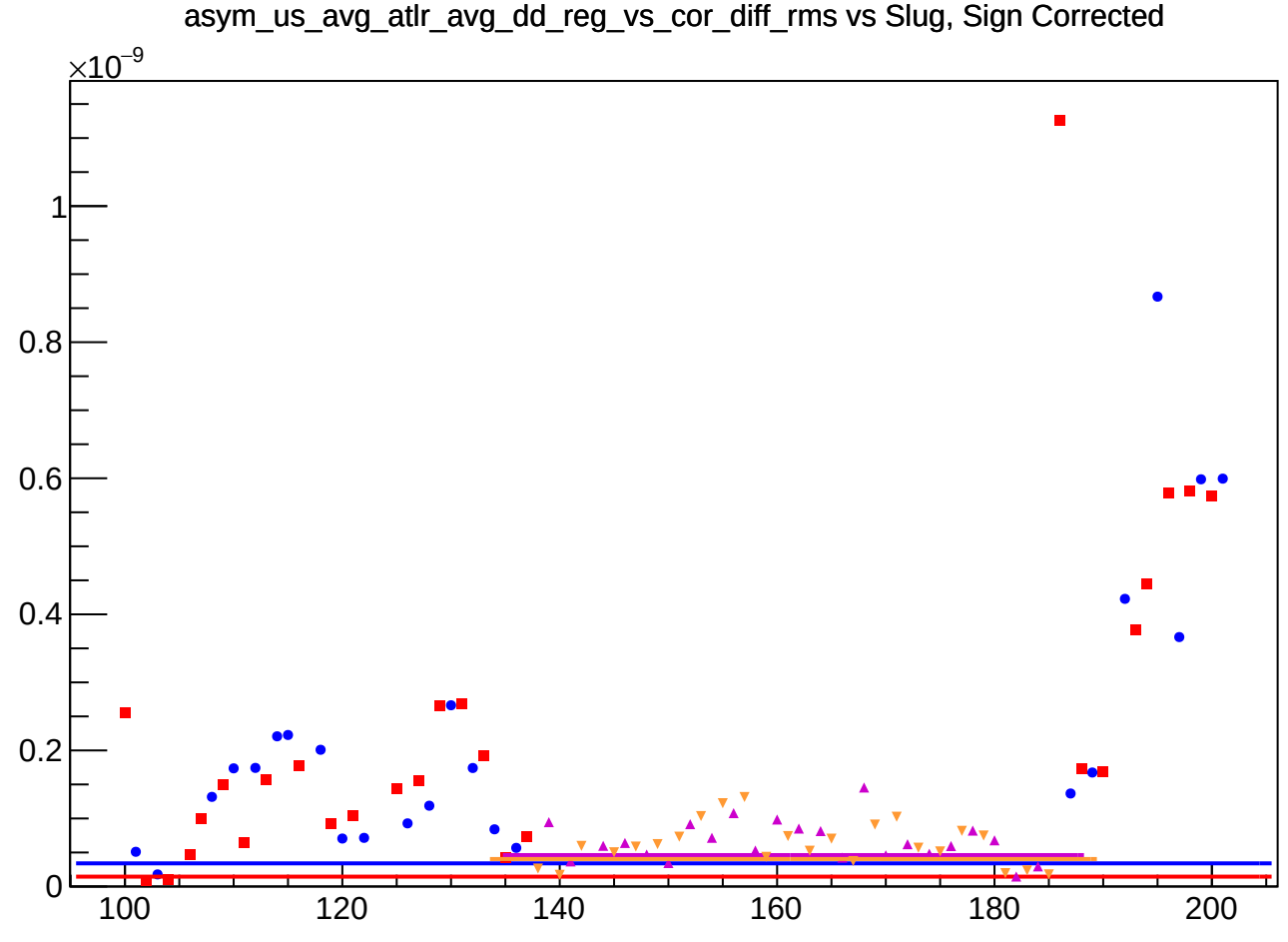
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: 0.000+/-0.000 χ^2/NDF: 44.9/48

In: 0.000+/-0.000 χ^2/NDF:41.8/45

Out: -0.000+/-0.000 χ^2/NDF:74.0/49

All: 0.000+/-0.000 χ^2/NDF: 116.3/95



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: 8502142.9/25

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

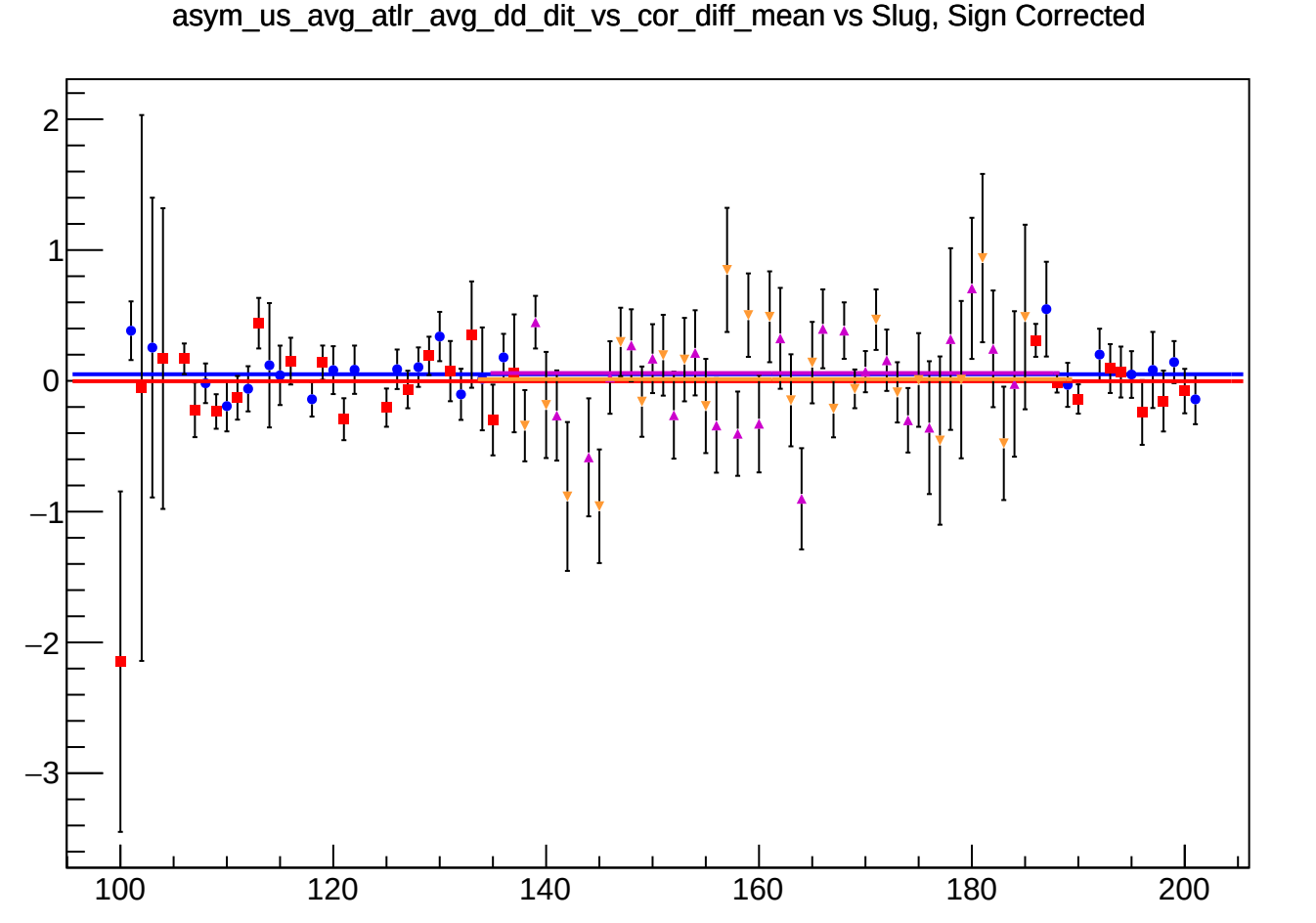
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

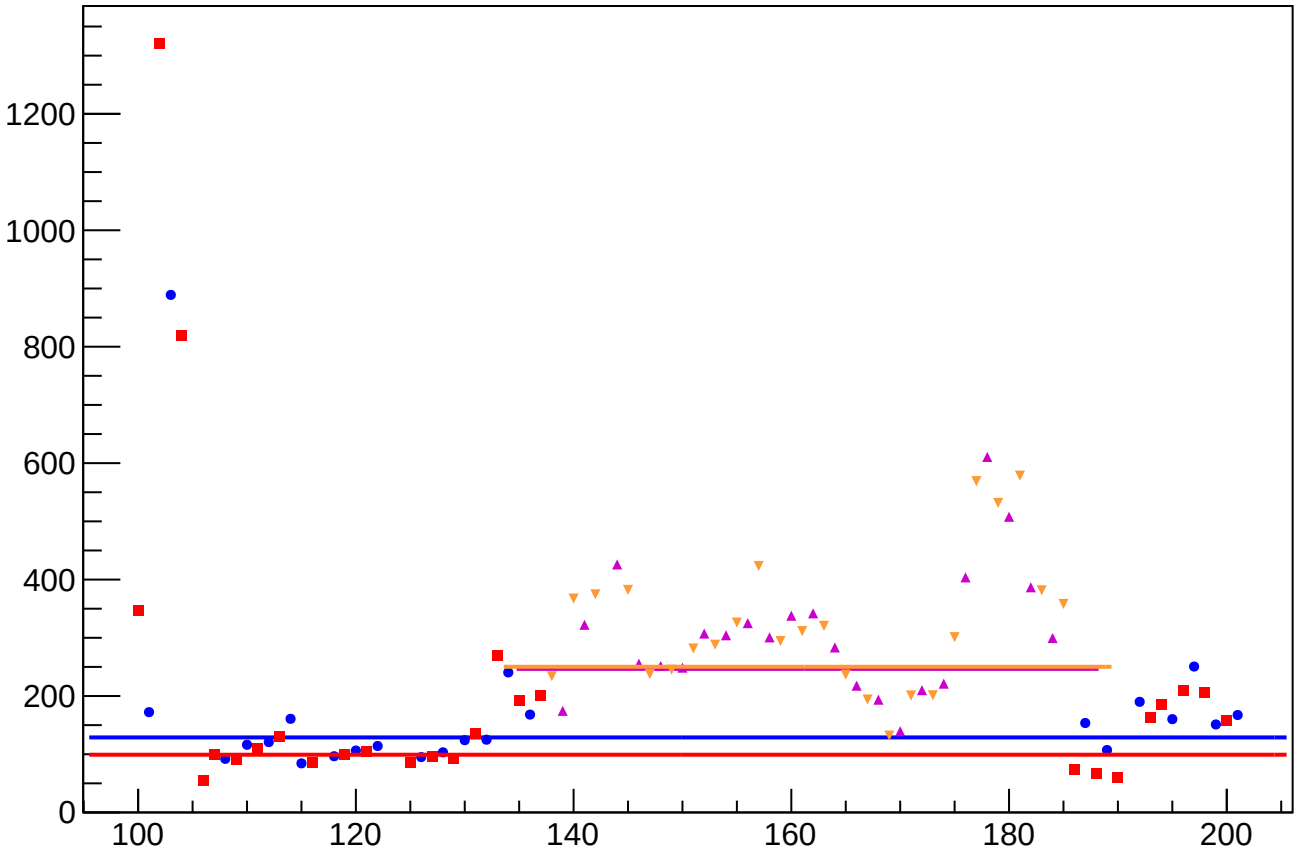
Right: 0.000+/-0.000 χ^2/NDF: 16313313.0/48

In: 0.000+/-0.000 χ^2/NDF:10162616.8/45

Out: 0.000+/-0.000 χ^2/NDF:14304209.0/49

All: 0.000+/-0.000 χ^2/NDF: 25953244.5/95


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.050+/-0.040 χ²/NDF: 14.4/22
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.032 χ²/NDF: 35.7/25
Left In: 0.059+/-0.062 χ²/NDF:27.9/22
Left: 0.036+/-0.044 χ²/NDF: 57.5/46
Right: 0.018+/-0.025 χ²/NDF: 51.1/48
In: 0.053+/-0.034 χ²/NDF:42.3/45
Out: 0.000+/-0.028 χ²/NDF:65.0/49
All: 0.022+/-0.022 χ²/NDF: 108.8/95



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: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

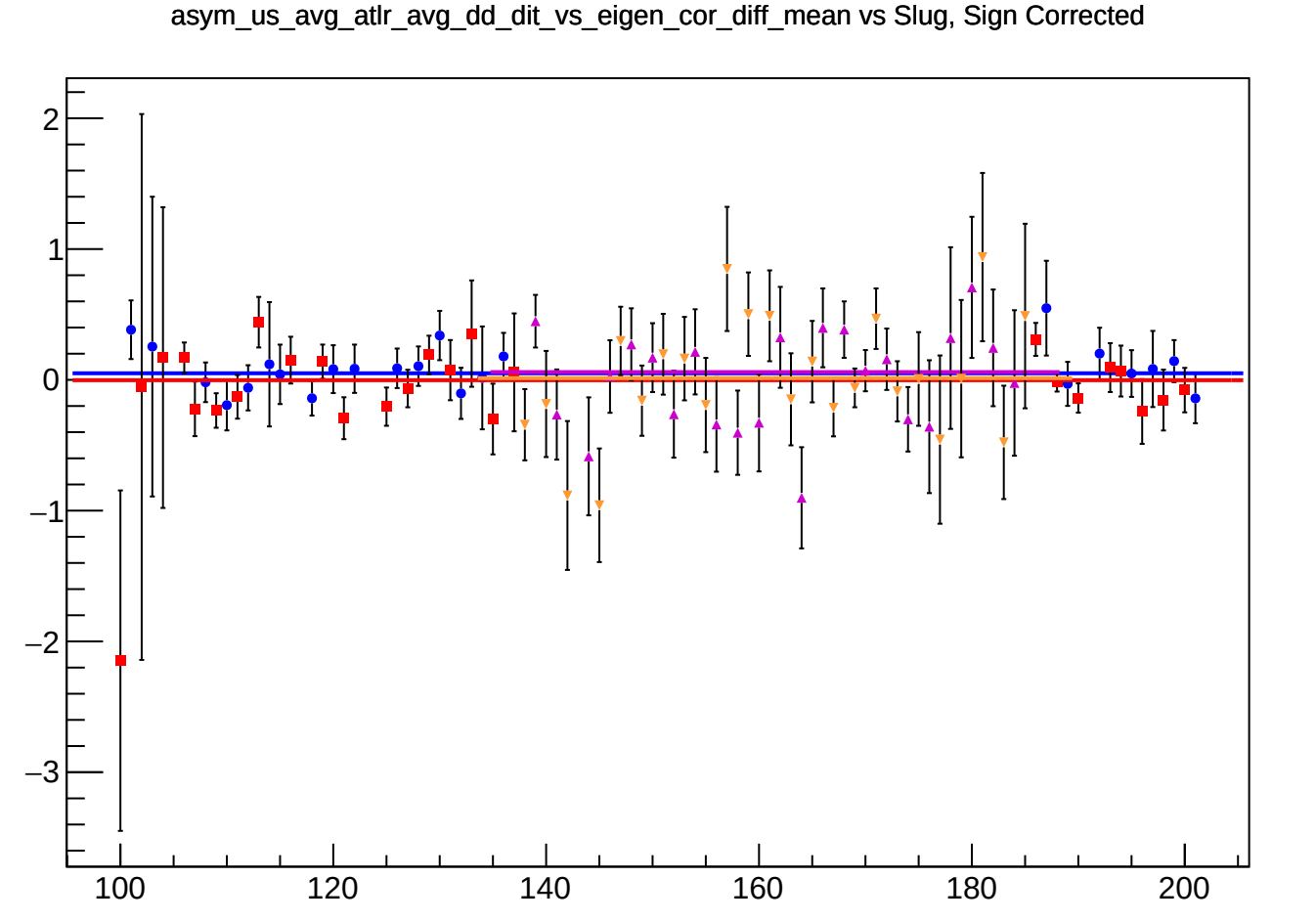
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 110.680+/-0.018 χ^2/NDF: 8255277.3/48

In: 163.594+/-0.024 χ^2/NDF:11374439.3/45

Out: 129.970+/-0.020 χ^2/NDF:18574096.9/49

All: 143.975+/-0.015 χ^2/NDF: 31112309.6/95



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: -0.003+/-0.032 χ^2/NDF: 35.7/25

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

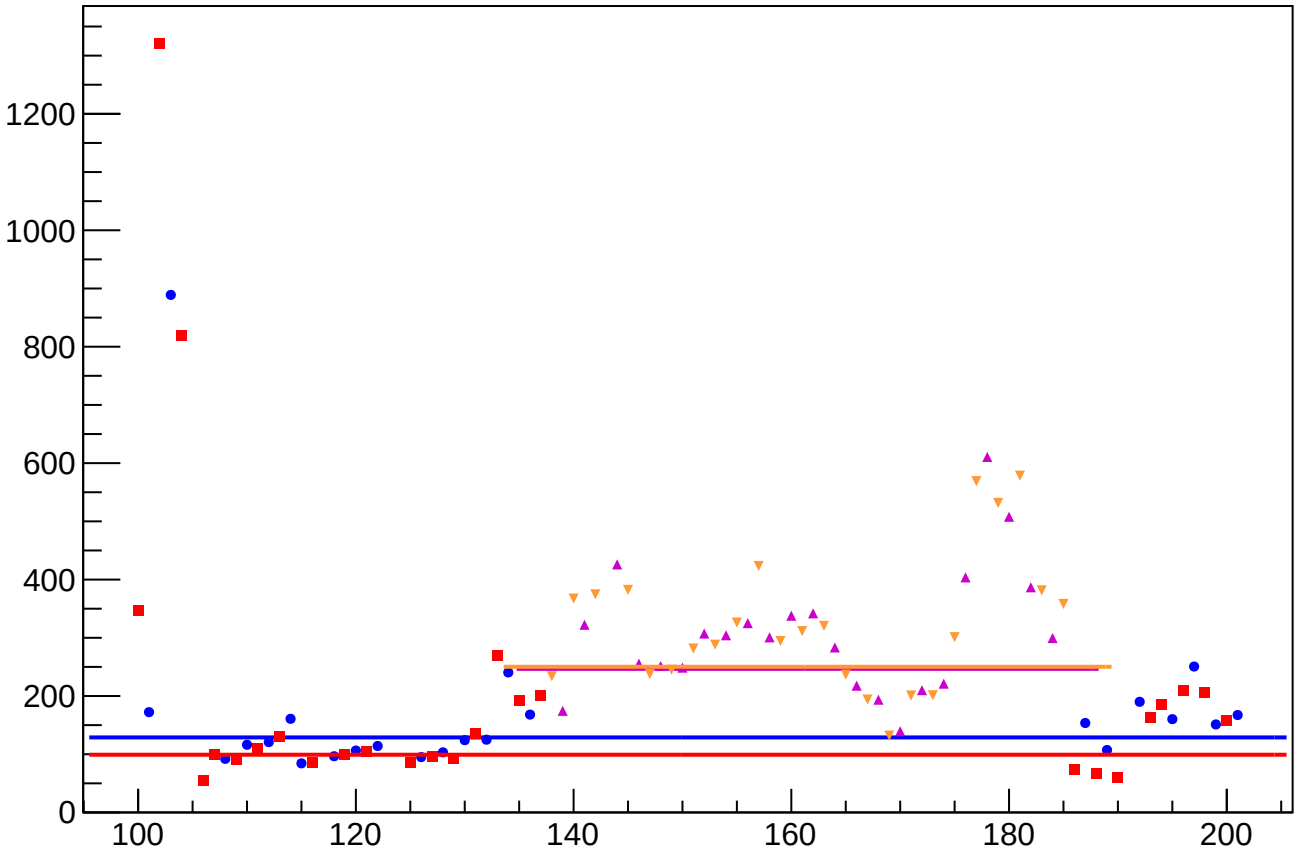
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.018+/-0.025 χ^2/NDF: 51.1/48

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.022+/-0.022 χ^2/NDF: 108.8/95



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: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

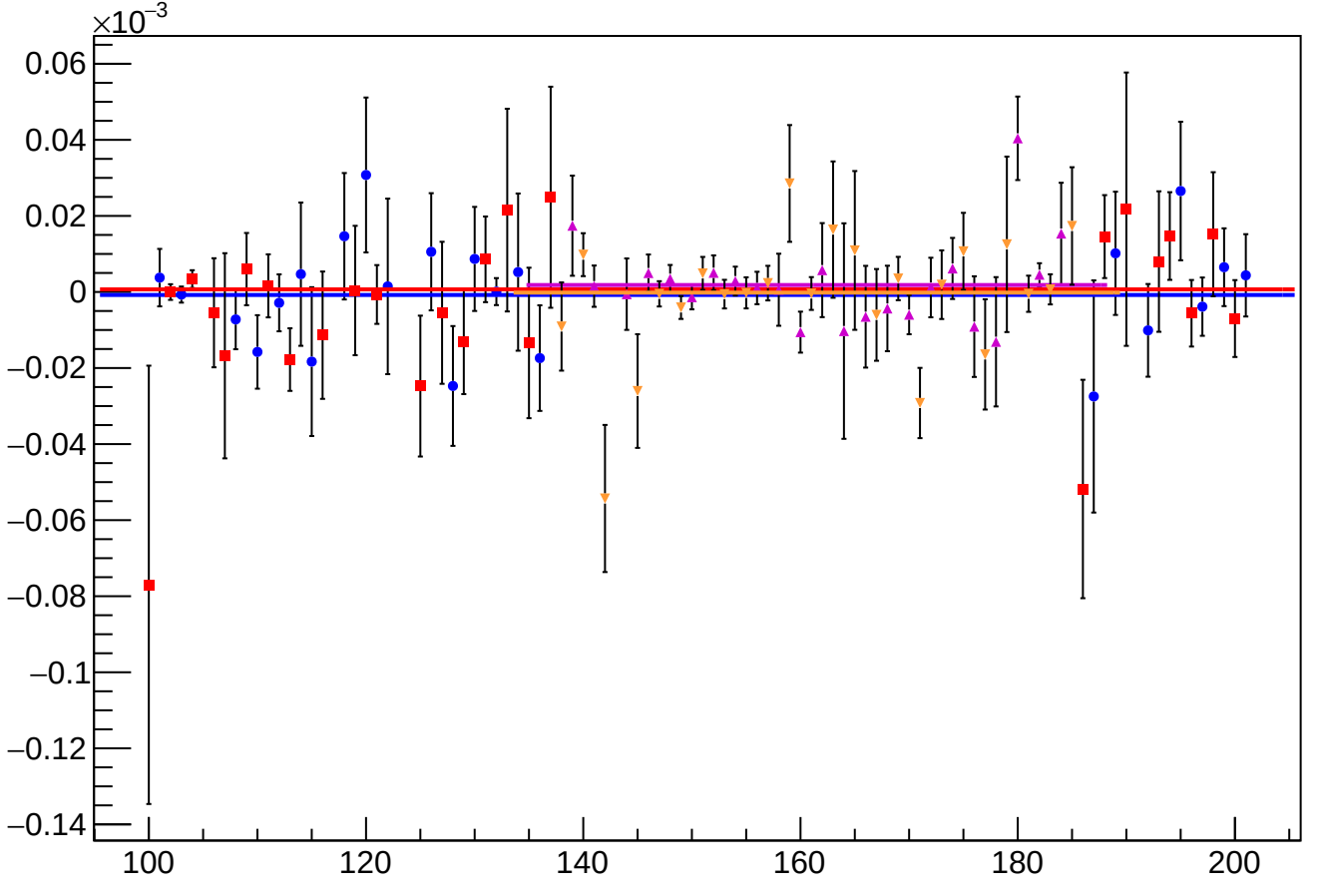
Right: 110.680+/-0.018 χ^2/NDF: 8255277.3/48

In: 163.594+/-0.024 χ^2/NDF:11374439.3/45

Out: 129.970+/-0.020 χ^2/NDF:18574096.9/49

All: 143.975+/-0.015 χ^2/NDF: 31112309.6/95

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: 23.9/25

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

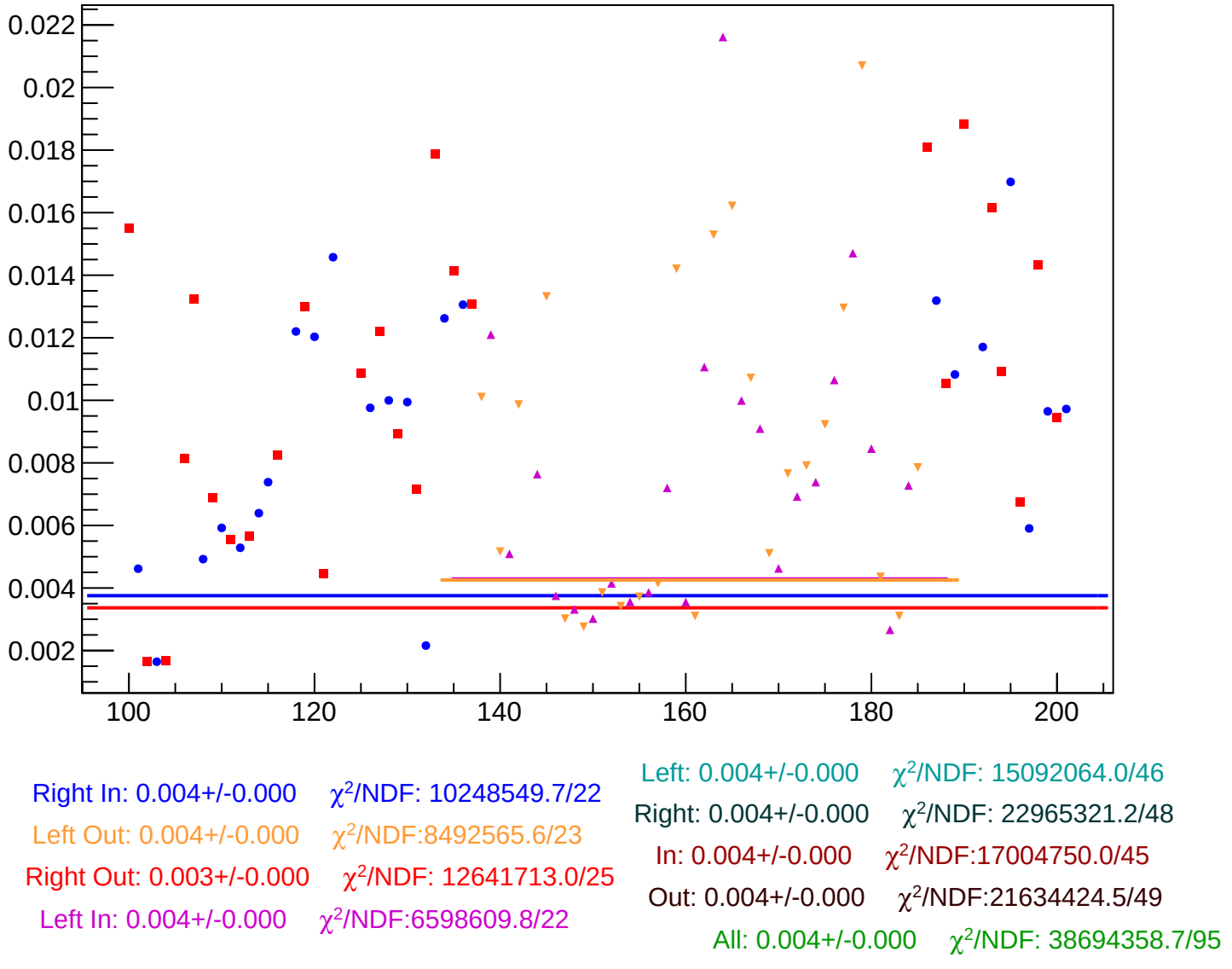
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 42.0/48

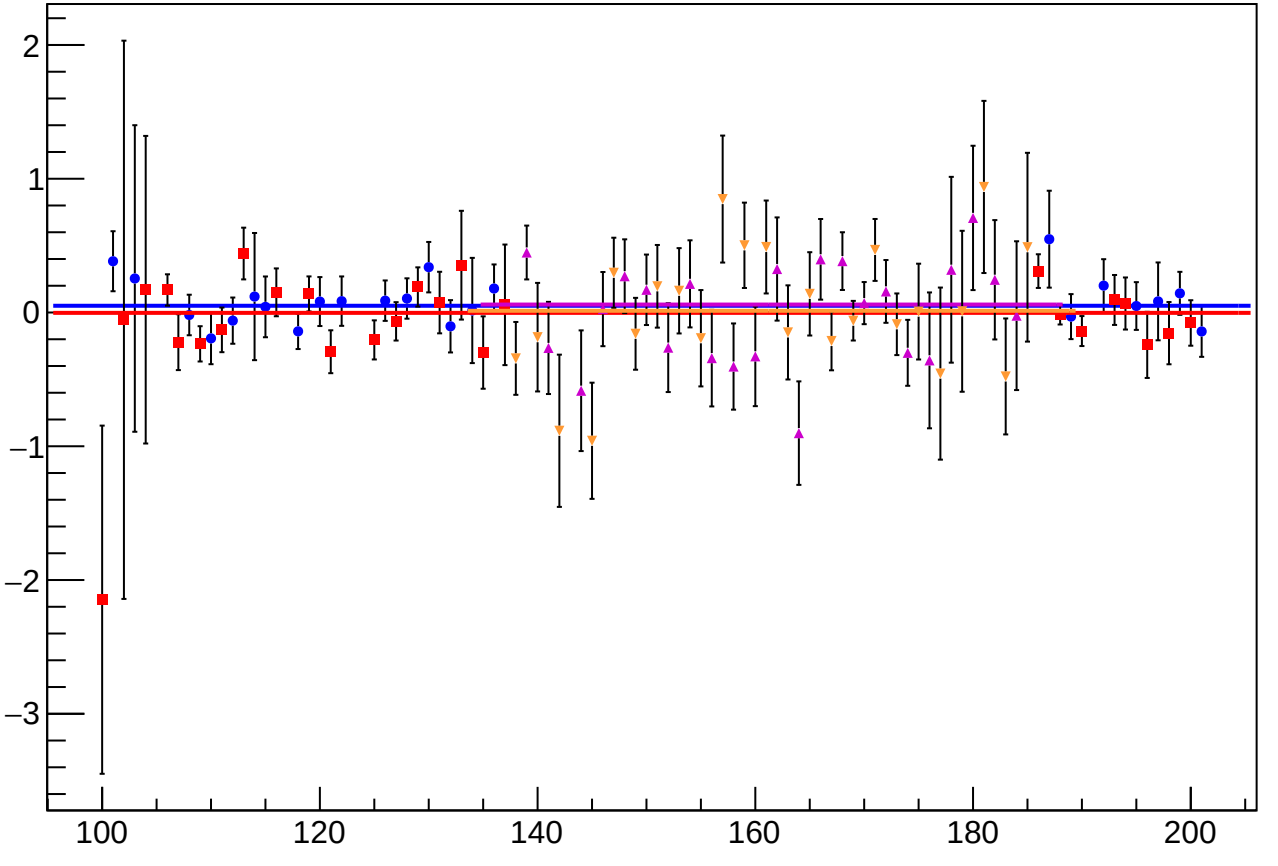
In: 0.000+/-0.000 χ^2/NDF:47.6/45

Out: 0.000+/-0.000 χ^2/NDF:61.3/49

All: 0.000+/-0.000 χ^2/NDF: 109.1/95


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 10248549.7/22
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 12641713.0/25
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
Left: 0.004+/-0.000 χ²/NDF: 15092064.0/46
Right: 0.004+/-0.000 χ²/NDF: 22965321.2/48
In: 0.004+/-0.000 χ²/NDF:17004750.0/45
Out: 0.004+/-0.000 χ²/NDF:21634424.5/49
All: 0.004+/-0.000 χ²/NDF: 38694358.7/95

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.003+/-0.032 χ^2/NDF: 35.7/25

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

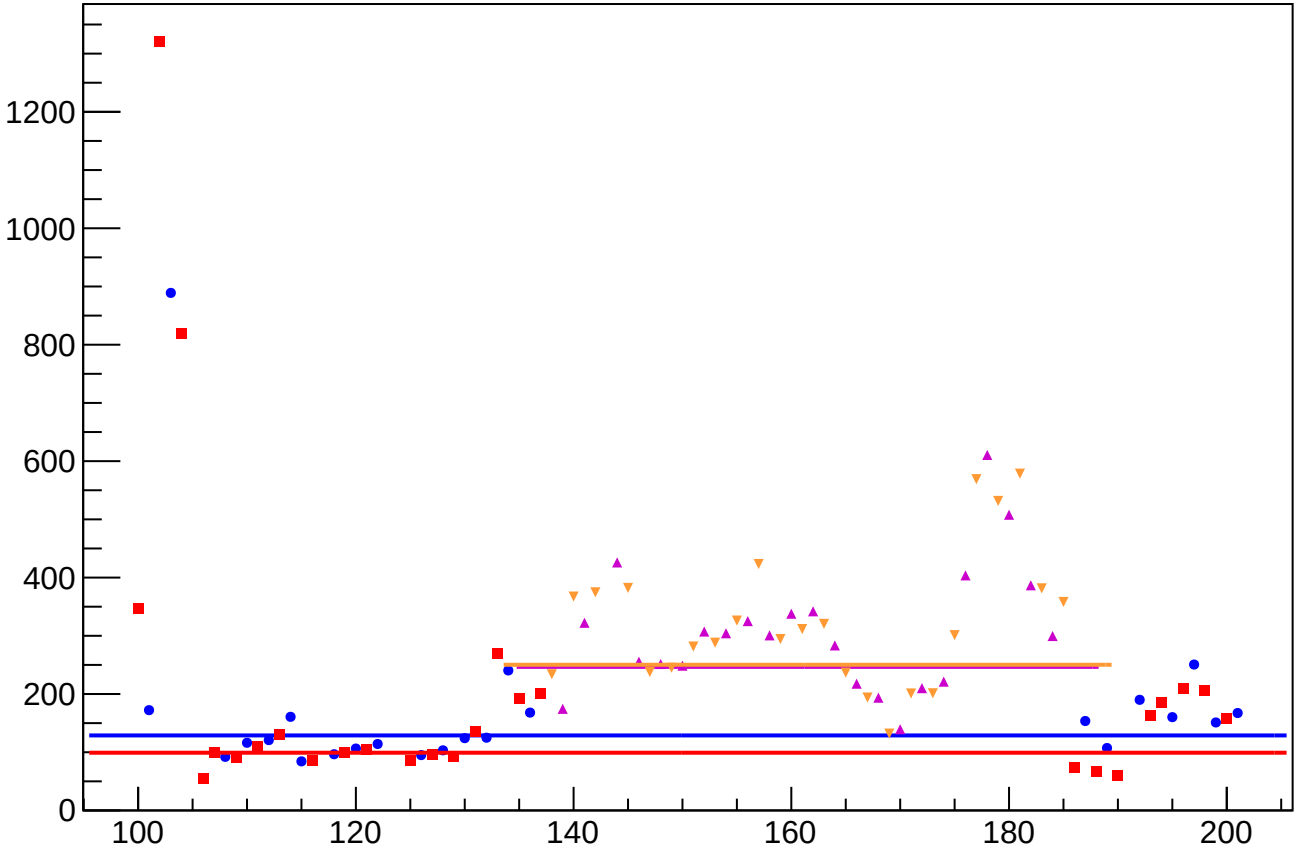
Right: 0.018+/-0.025 χ^2/NDF: 51.1/48

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.022+/-0.022 χ^2/NDF: 108.8/95

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: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

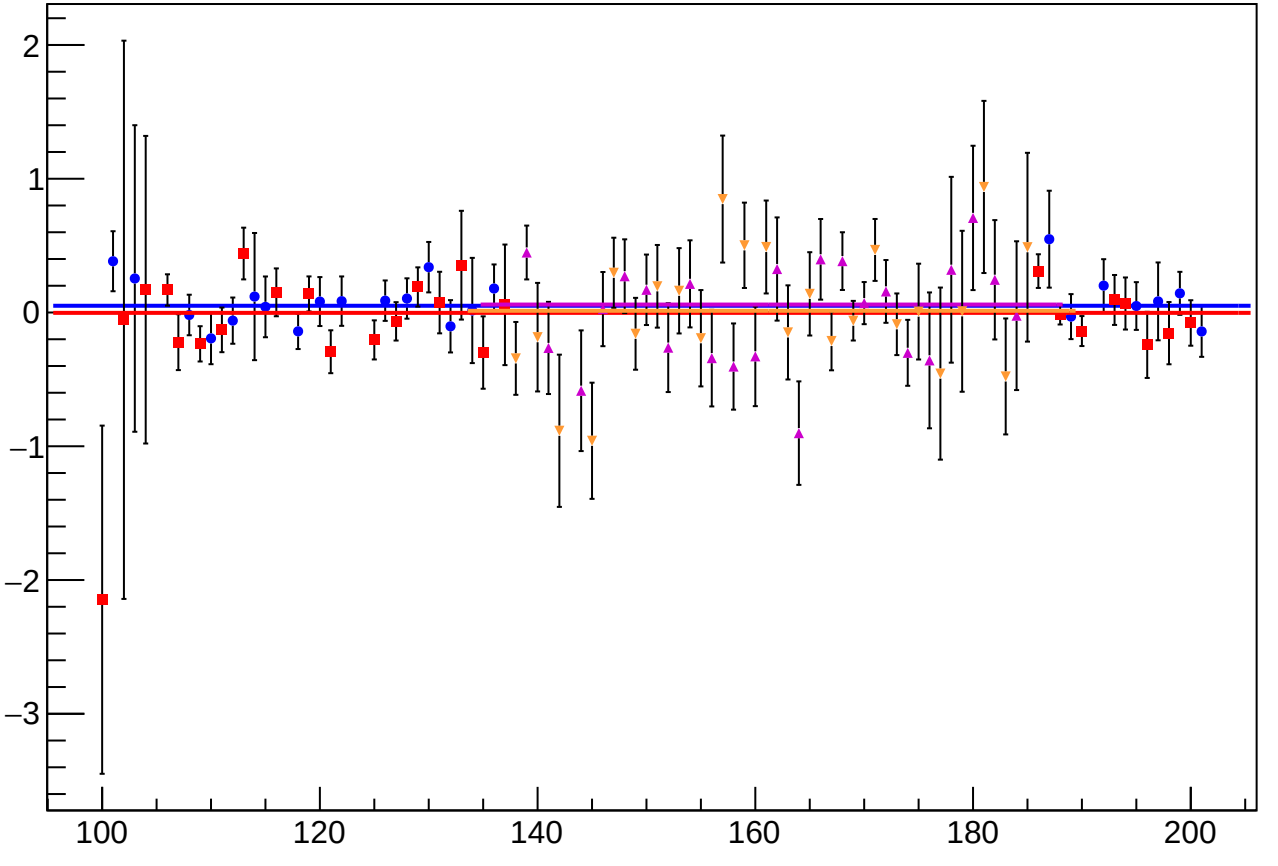
Right: 110.676+/-0.018 χ^2/NDF: 8255982.6/48

In: 163.593+/-0.024 χ^2/NDF:11374683.7/45

Out: 129.964+/-0.020 χ^2/NDF:18575418.7/49

All: 143.971+/-0.015 χ^2/NDF: 31114228.4/95

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.003+/-0.032 χ^2/NDF: 35.7/25

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

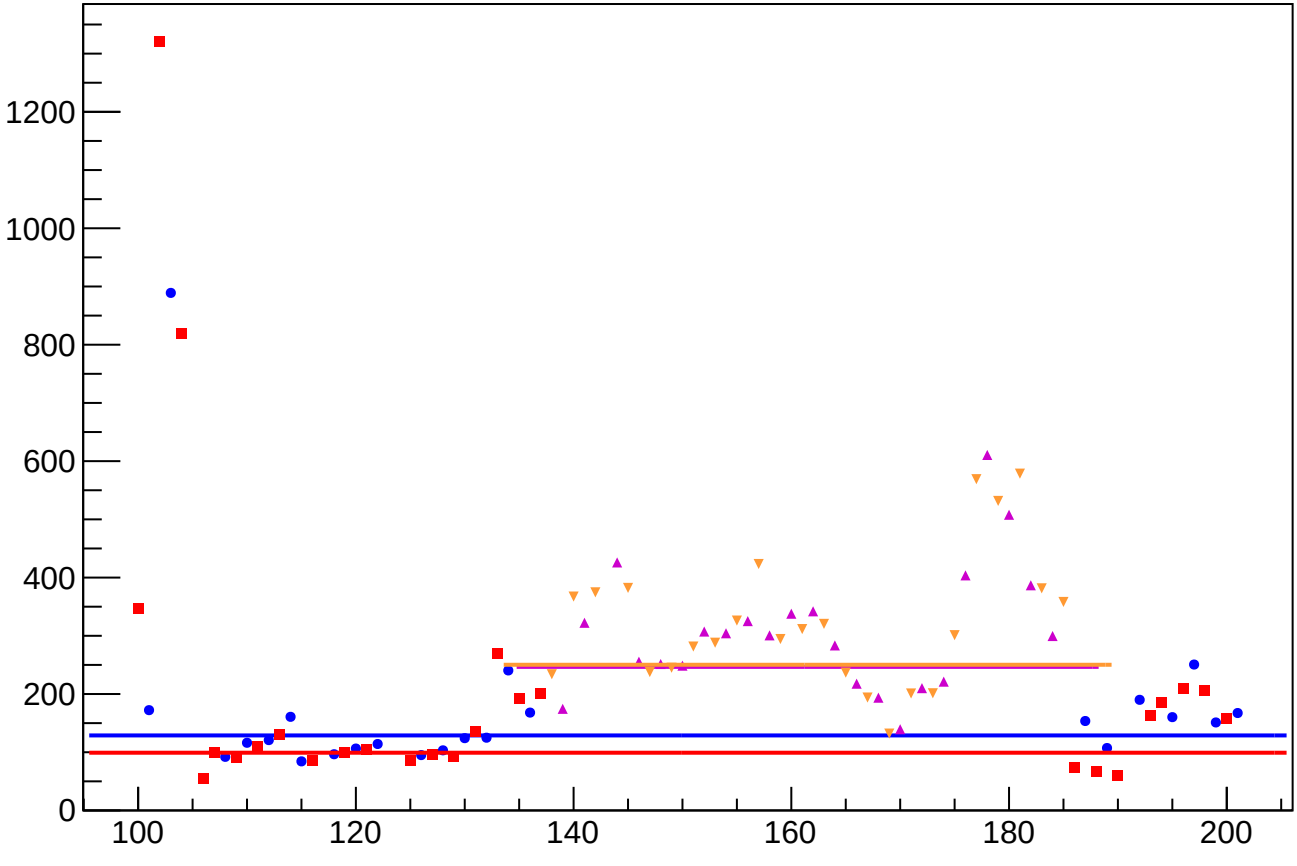
Right: 0.018+/-0.025 χ^2/NDF: 51.1/48

In: 0.053+/-0.034 χ^2/NDF:42.3/45

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.022+/-0.022 χ^2/NDF: 108.8/95

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: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

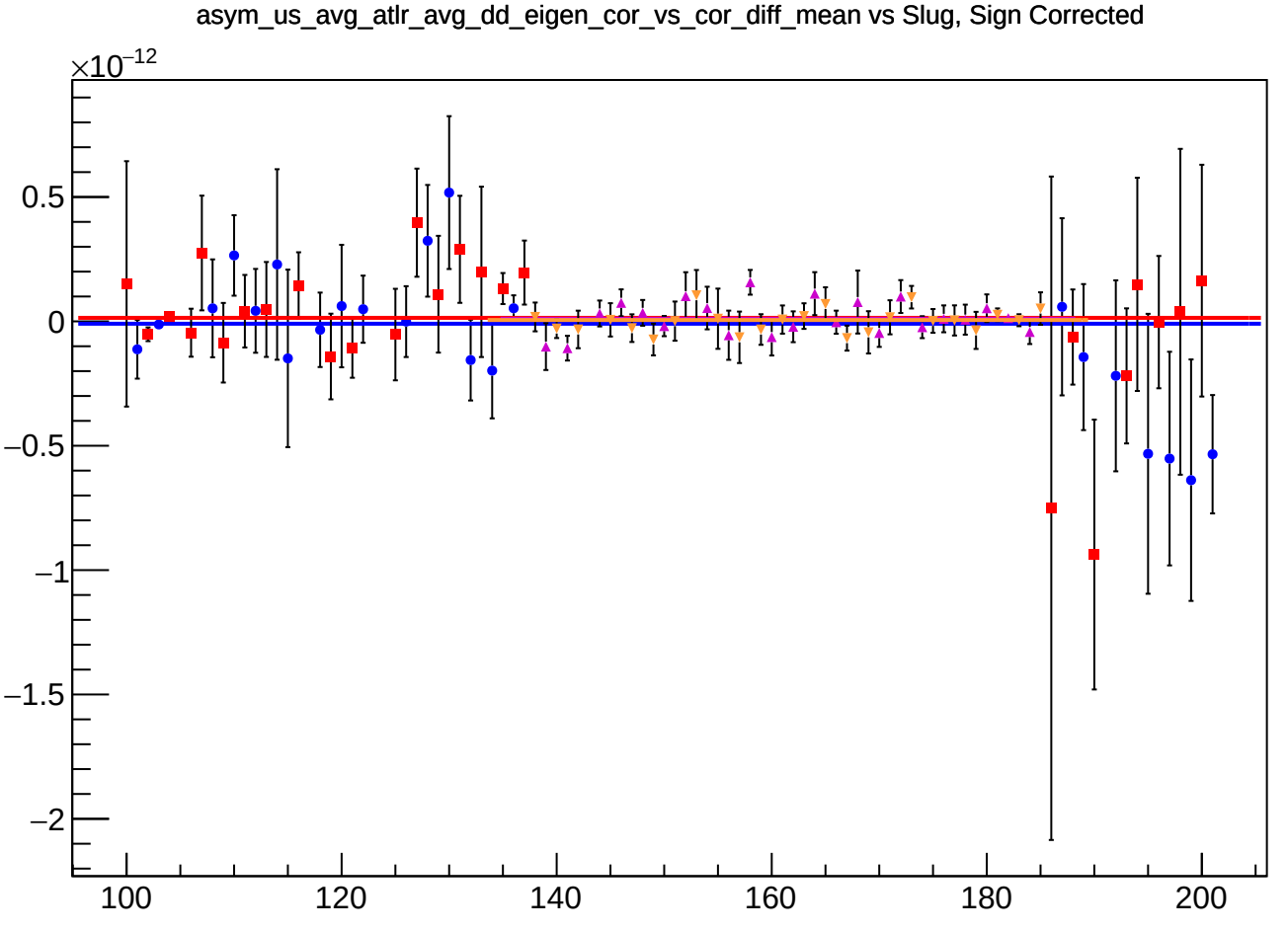
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.676+/-0.018 χ^2/NDF: 8255982.6/48

In: 163.593+/-0.024 χ^2/NDF:11374683.7/45

Out: 129.964+/-0.020 χ^2/NDF:18575418.7/49

All: 143.971+/-0.015 χ^2/NDF: 31114228.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/25

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

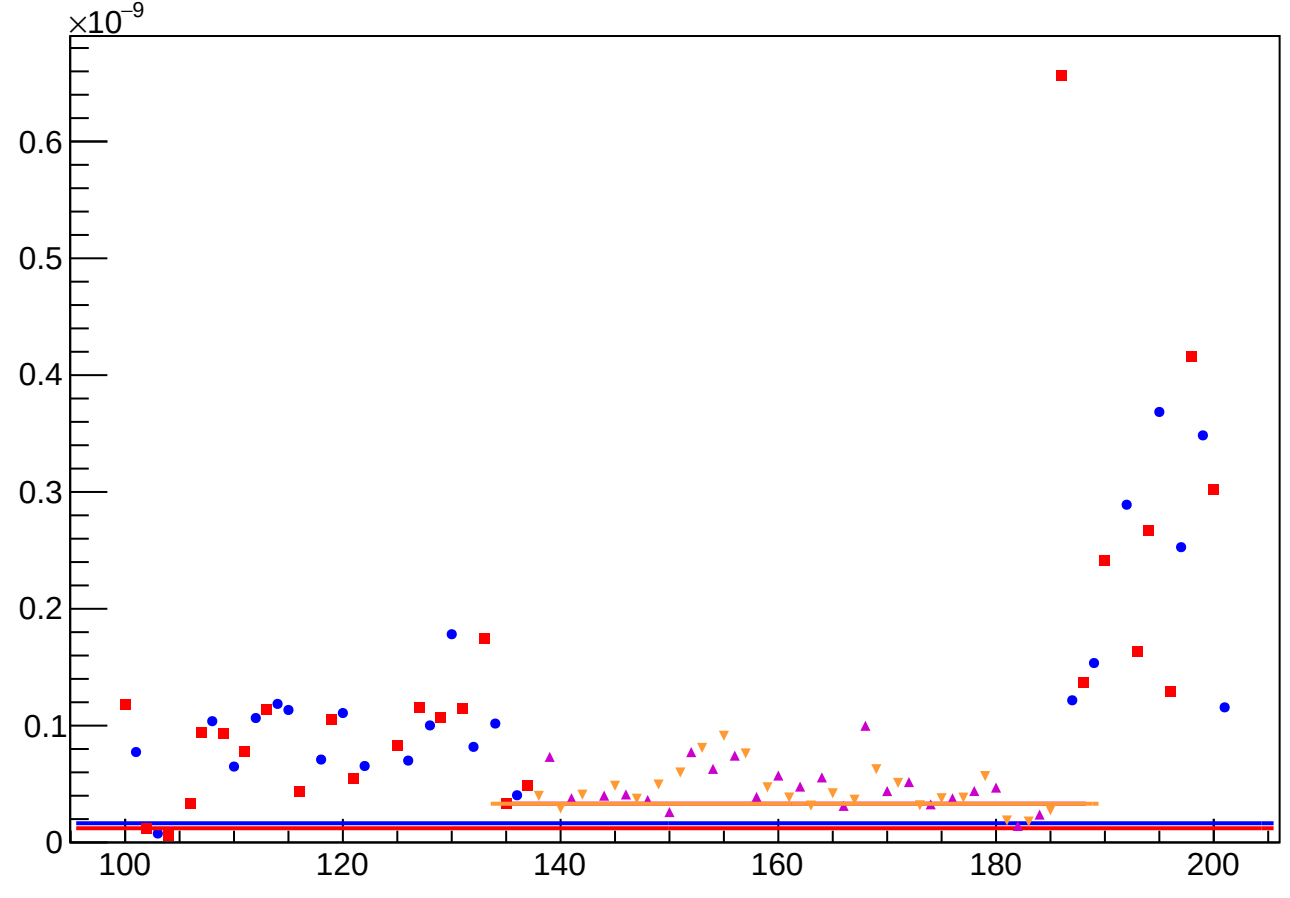
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 51.3/48

In: 0.000+/-0.000 χ^2/NDF:52.0/45

Out: 0.000+/-0.000 χ^2/NDF:40.6/49

All: 0.000+/-0.000 χ^2/NDF: 93.2/95



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: 10815922.8/25

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

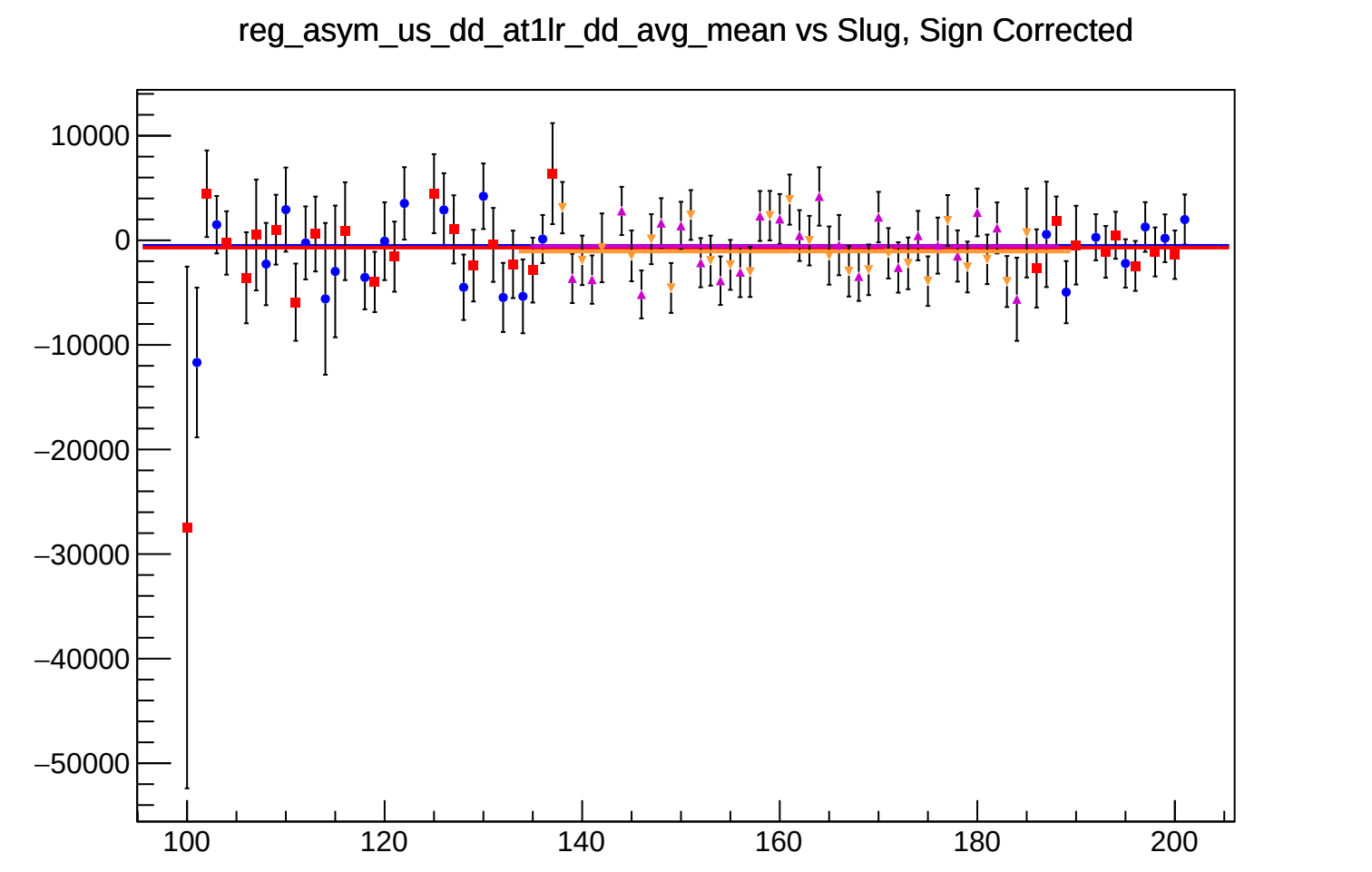
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 21175763.5/48

In: 0.000+/-0.000 χ^2/NDF:17367832.7/45

Out: 0.000+/-0.000 χ^2/NDF:19111165.2/49

All: 0.000+/-0.000 χ^2/NDF: 36787192.2/95



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: -699.300+/-625.448 χ^2/NDF: 14.8/25

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

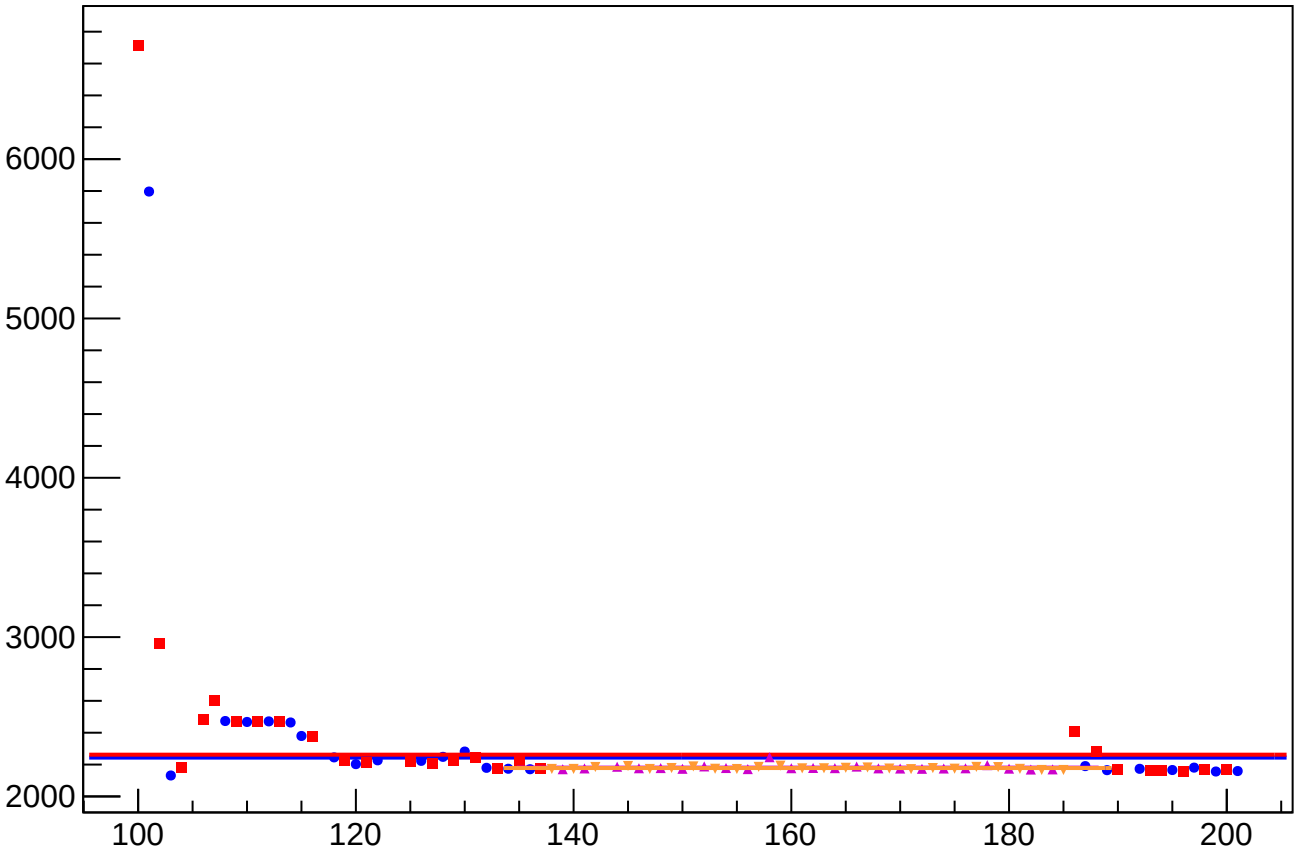
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -618.020+/-449.126 χ^2/NDF: 35.5/48

In: -547.243+/-399.750 χ^2/NDF:49.3/45

Out: -925.249+/-393.164 χ^2/NDF:36.6/49

All: -739.385+/-280.308 χ^2/NDF: 86.4/95



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: 2262.152+/-0.442 χ^2/NDF: 183175.6/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

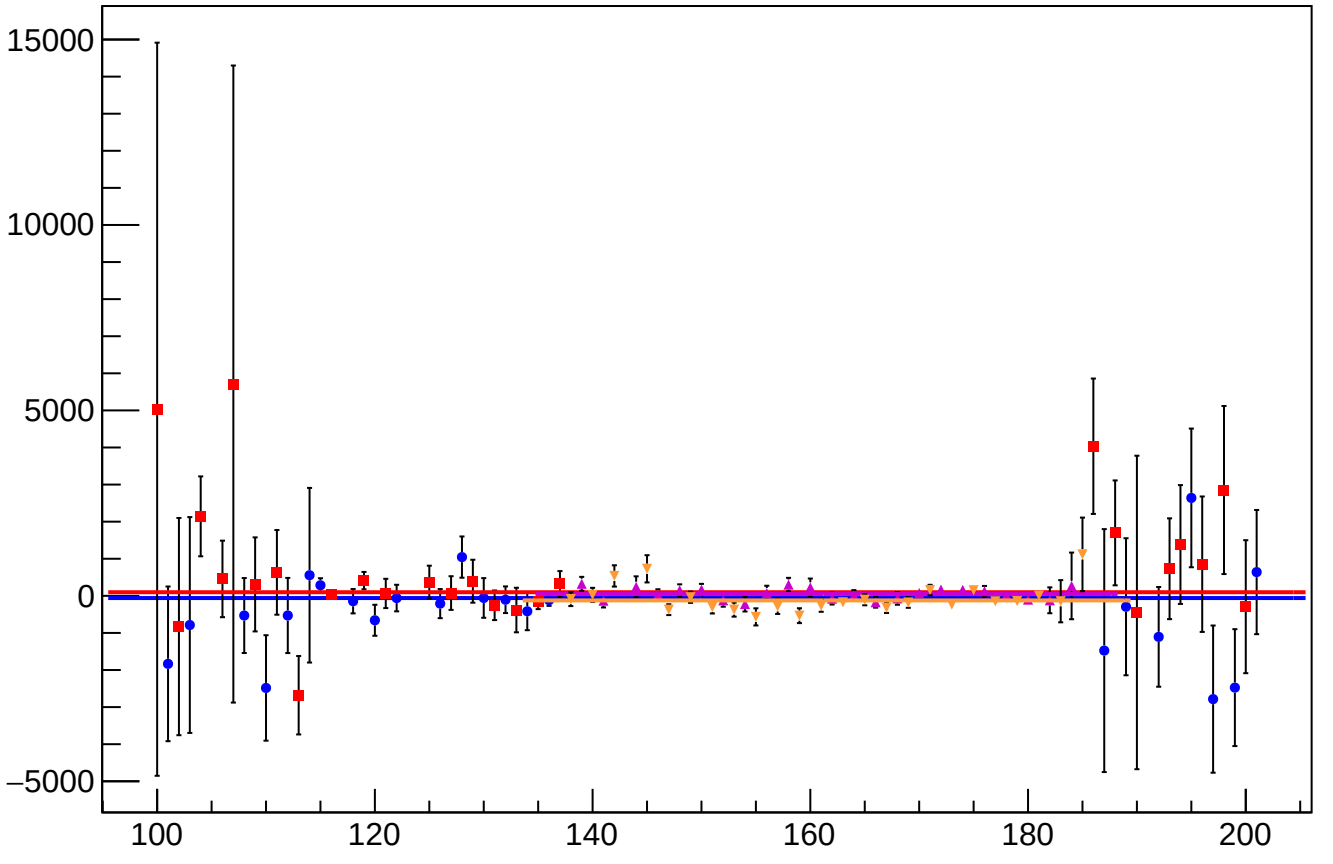
Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

Right: 2253.237+/-0.318 χ^2/NDF: 721285.0/48

In: 2205.026+/-0.283 χ^2/NDF:550818.9/45

Out: 2211.401+/-0.278 χ^2/NDF:205336.7/49

All: 2208.266+/-0.198 χ^2/NDF: 756414.1/95



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: 97.527+/-81.668 χ^2/NDF: 26.2/25

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

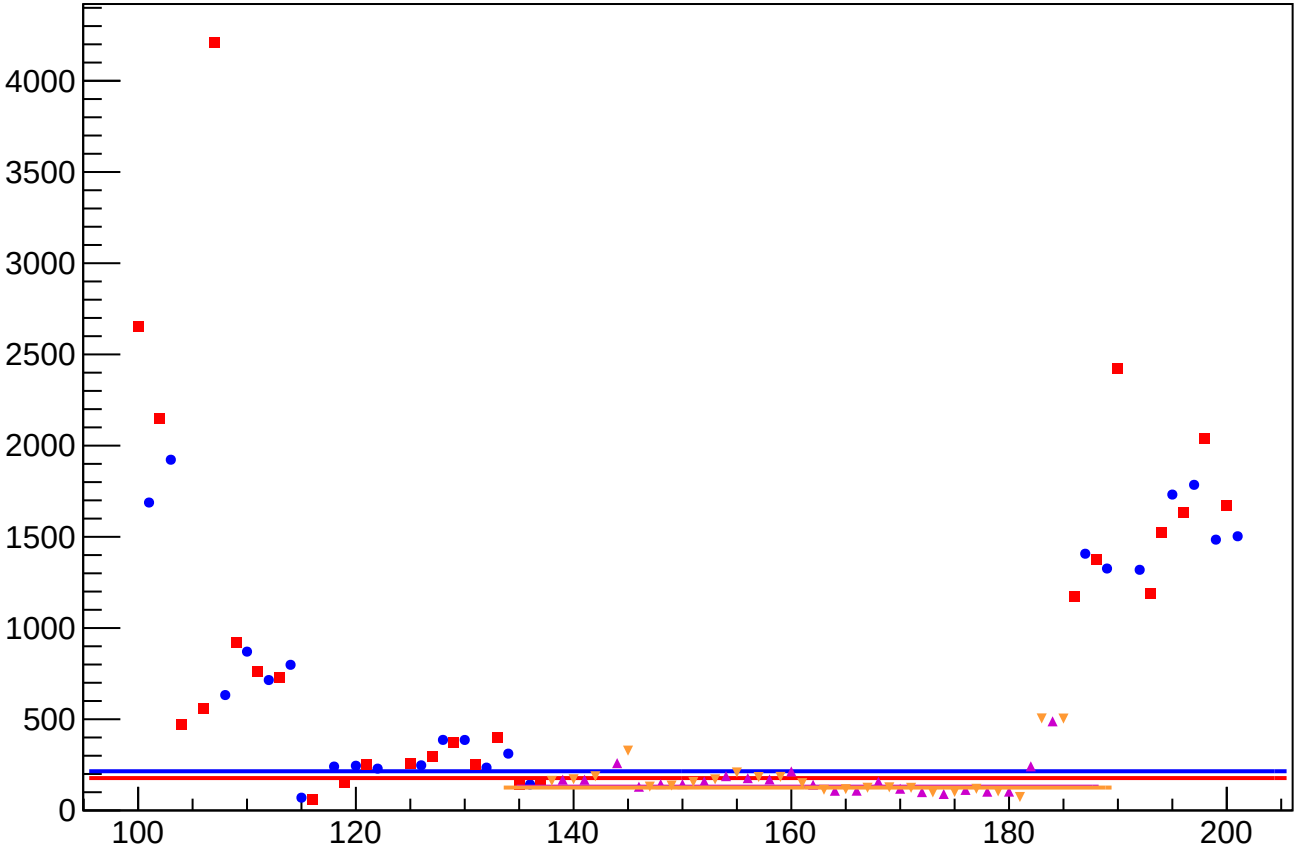
Right: 26.609+/-60.505 χ^2/NDF: 49.6/48

In: 37.618+/-30.609 χ^2/NDF:41.3/45

Out: -94.592+/-29.315 χ^2/NDF:76.4/49

All: -31.341+/-21.171 χ^2/NDF: 127.4/95

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: 177.478+/-0.058 χ^2/NDF: 15433625.2/25

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

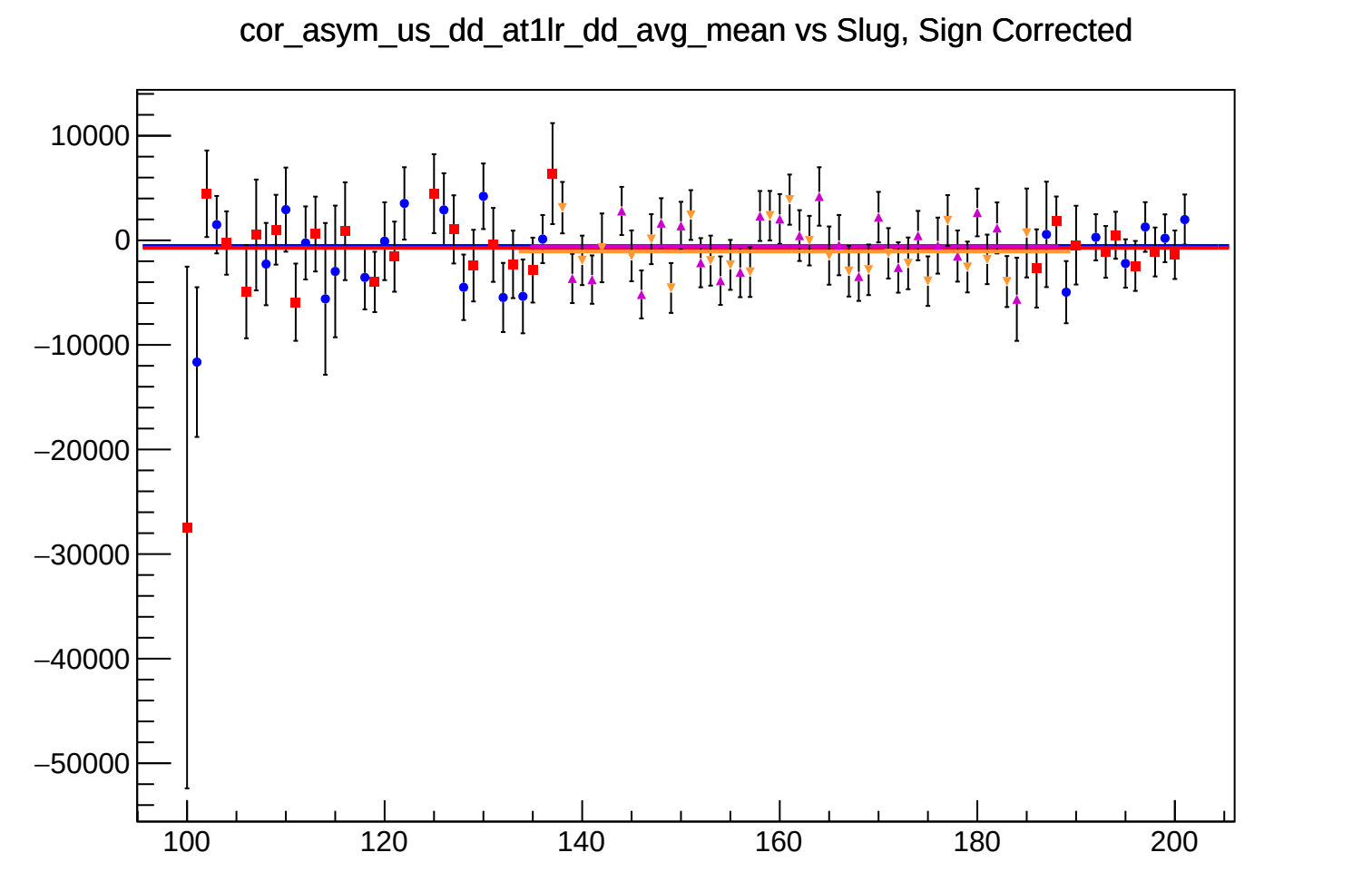
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 194.380+/-0.043 χ^2/NDF: 28210696.3/48

In: 140.193+/-0.022 χ^2/NDF:16823731.4/45

Out: 132.203+/-0.021 χ^2/NDF:20081963.0/49

All: 136.025+/-0.015 χ^2/NDF: 36976774.5/95



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: -723.602+/-625.716 χ^2/NDF: 15.3/25

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

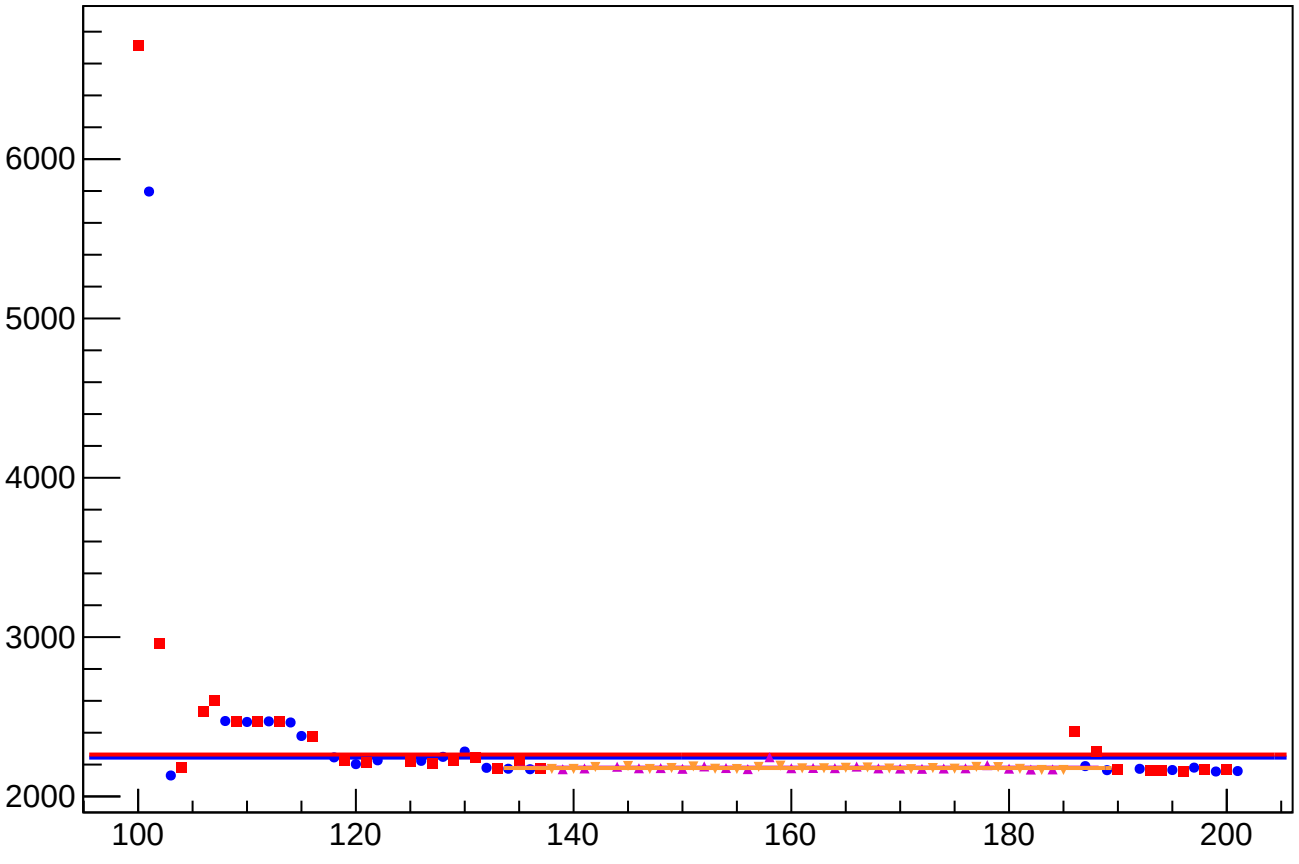
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -630.240+/-449.225 χ^2/NDF: 36.0/48

In: -547.046+/-399.750 χ^2/NDF:49.3/45

Out: -934.882+/-393.231 χ^2/NDF:37.0/49

All: -744.152+/-280.333 χ^2/NDF: 86.8/95



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: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

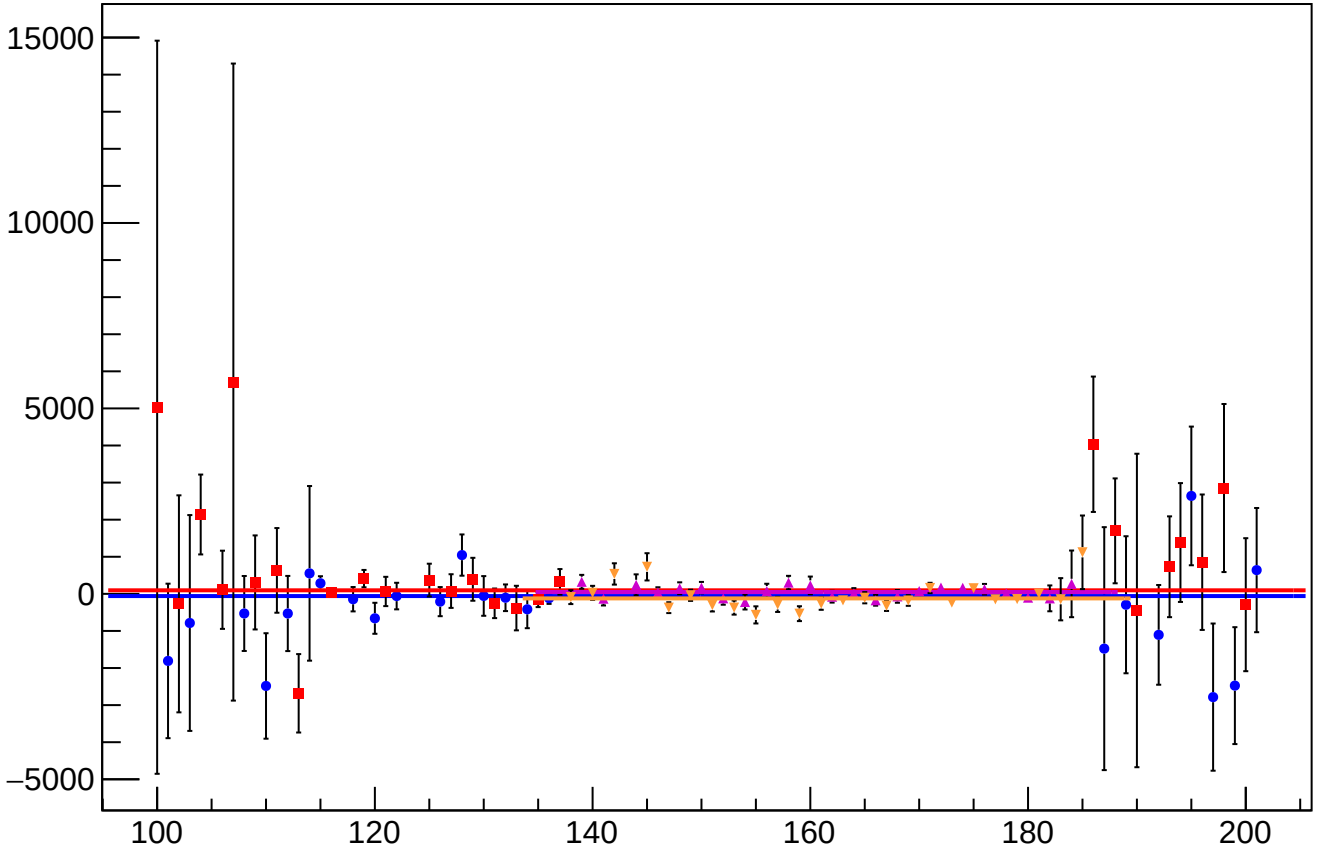
Right: 2253.653+/-0.318 χ^2/NDF: 723679.4/48

In: 2205.026+/-0.283 χ^2/NDF:550819.2/45

Out: 2211.705+/-0.278 χ^2/NDF:208068.7/49

All: 2208.421+/-0.198 χ^2/NDF: 759171.7/95

asym_us_dd_at1lr_dd_avg_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: 95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

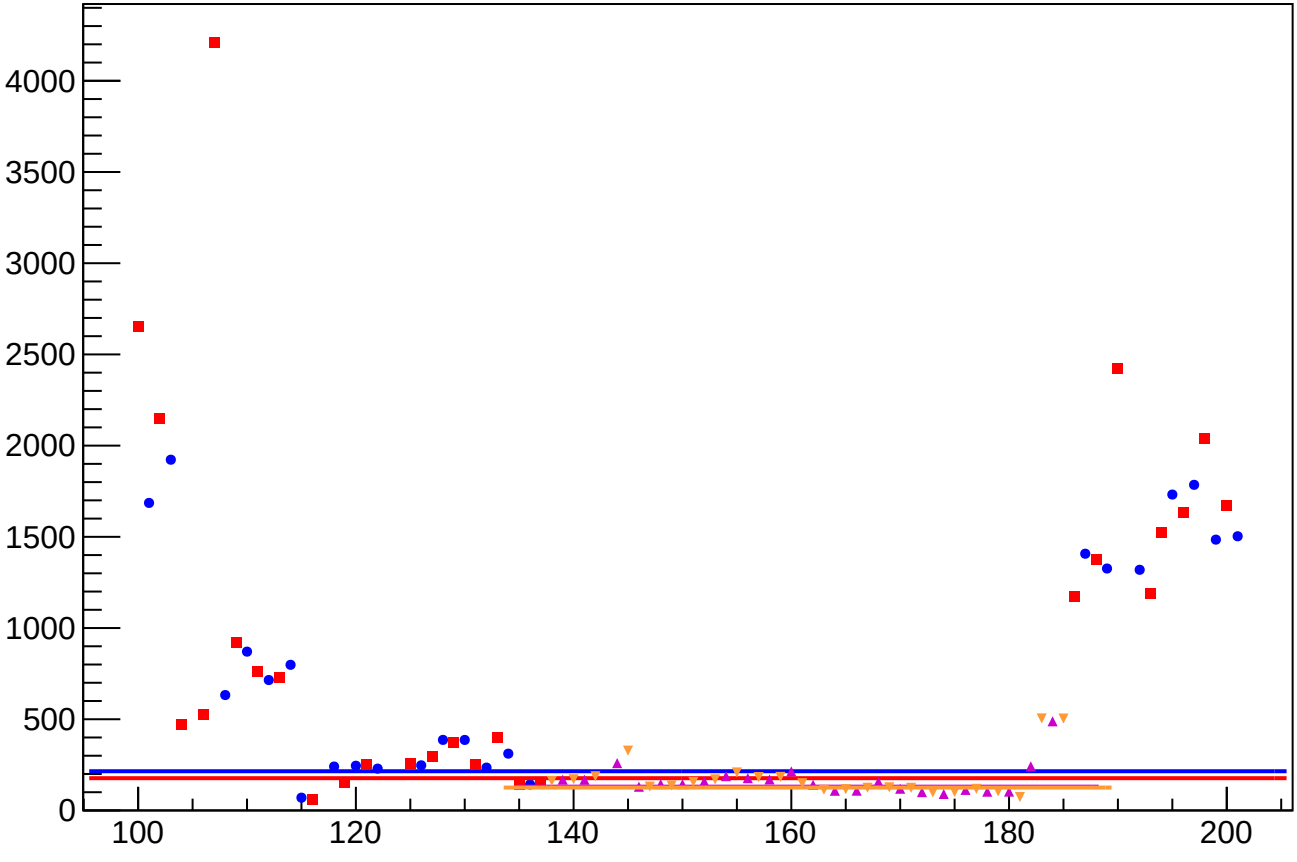
Right: 25.557+/-60.483 χ^2/NDF: 49.3/48

In: 37.518+/-30.612 χ^2/NDF:41.3/45

Out: -94.745+/-29.312 χ^2/NDF:76.0/49

All: -31.480+/-21.171 χ^2/NDF: 127.0/95

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: 176.899+/-0.058 χ^2/NDF: 15395653.2/25

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

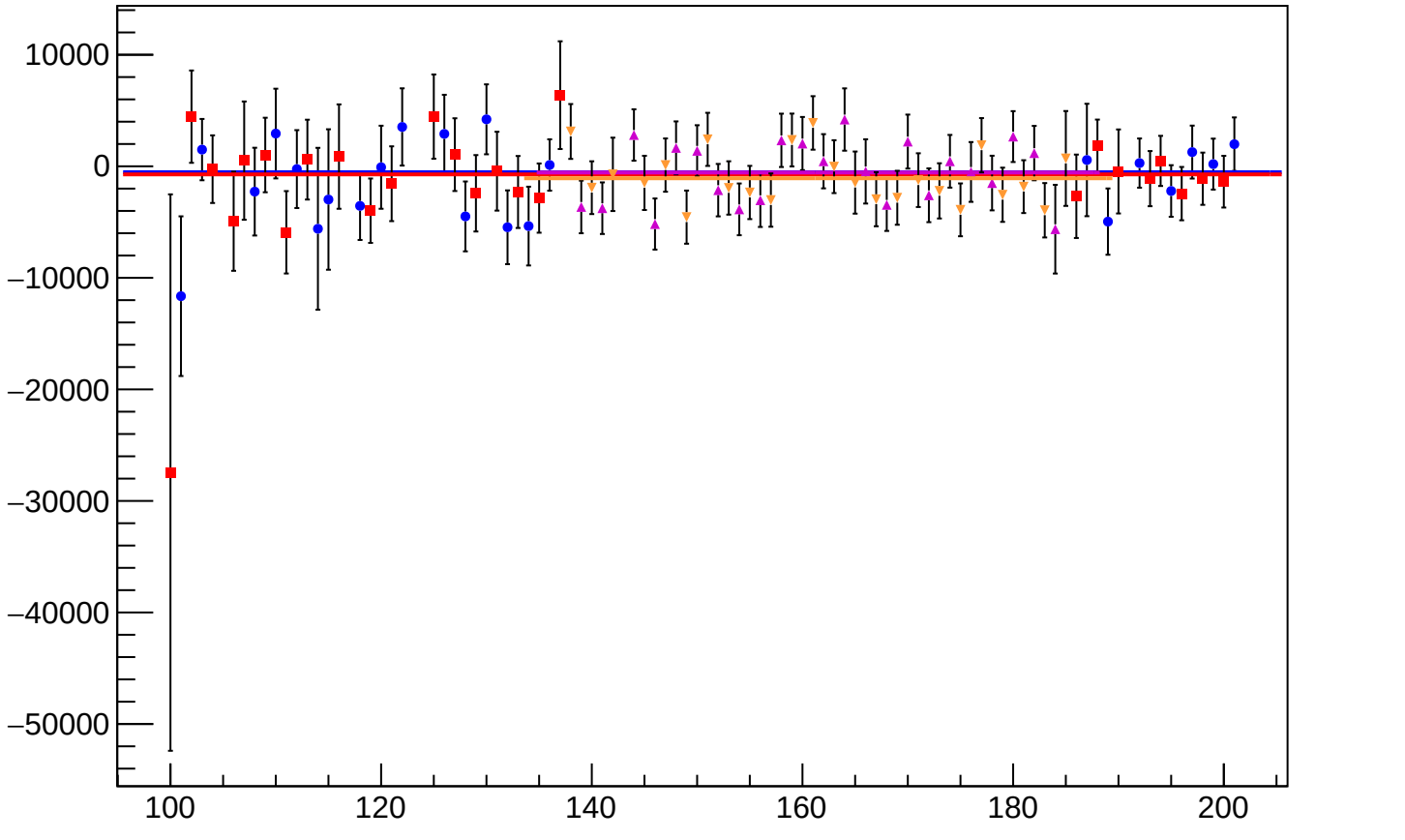
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 194.059+/-0.043 χ^2/NDF: 28177620.4/48

In: 140.209+/-0.022 χ^2/NDF:16822230.3/45

Out: 132.133+/-0.021 χ^2/NDF:20030158.8/49

All: 135.996+/-0.015 χ^2/NDF: 36925010.4/95



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: -723.602+/-625.716 χ^2/NDF: 15.3/25

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

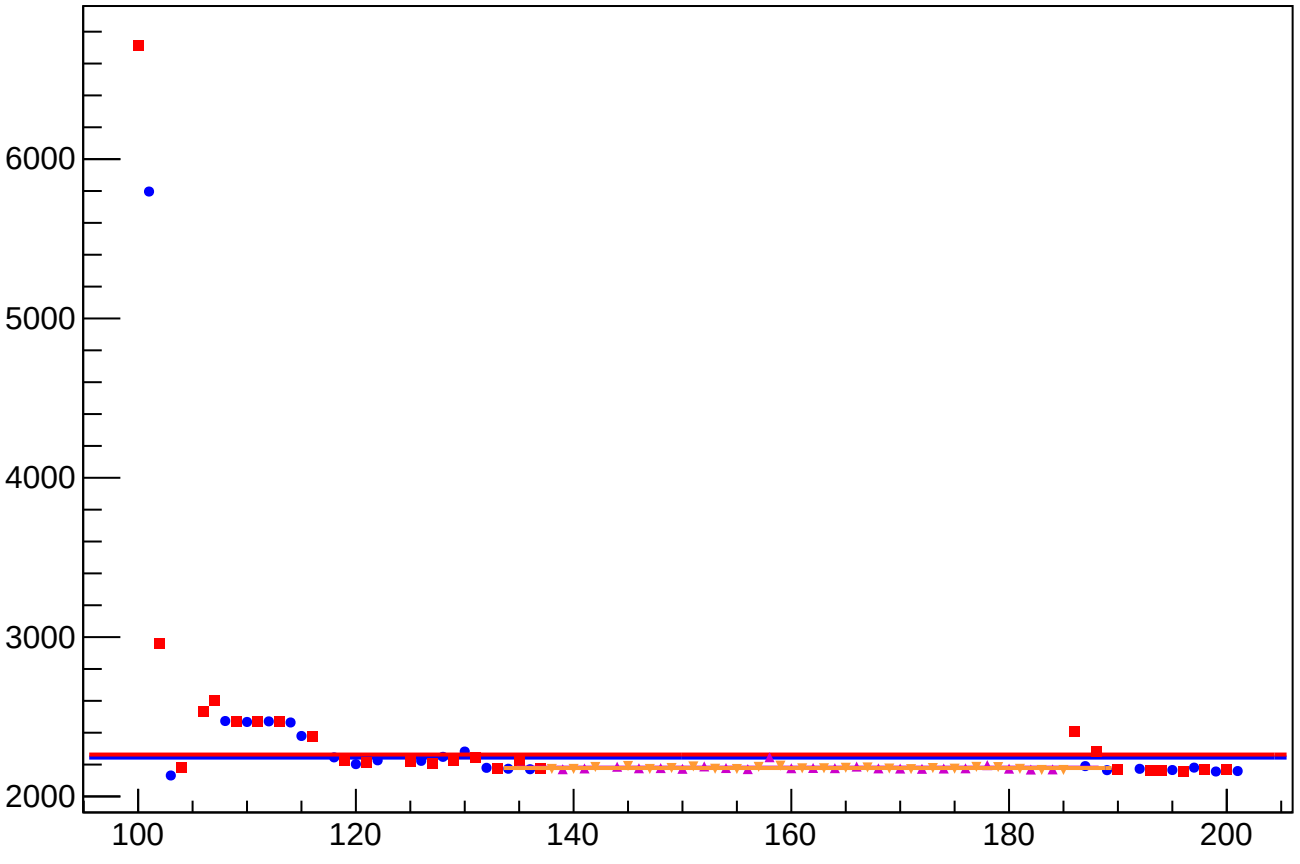
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -630.240+/-449.225 χ^2/NDF: 36.0/48

In: -547.046+/-399.750 χ^2/NDF:49.3/45

Out: -934.882+/-393.231 χ^2/NDF:37.0/49

All: -744.152+/-280.333 χ^2/NDF: 86.8/95



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: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

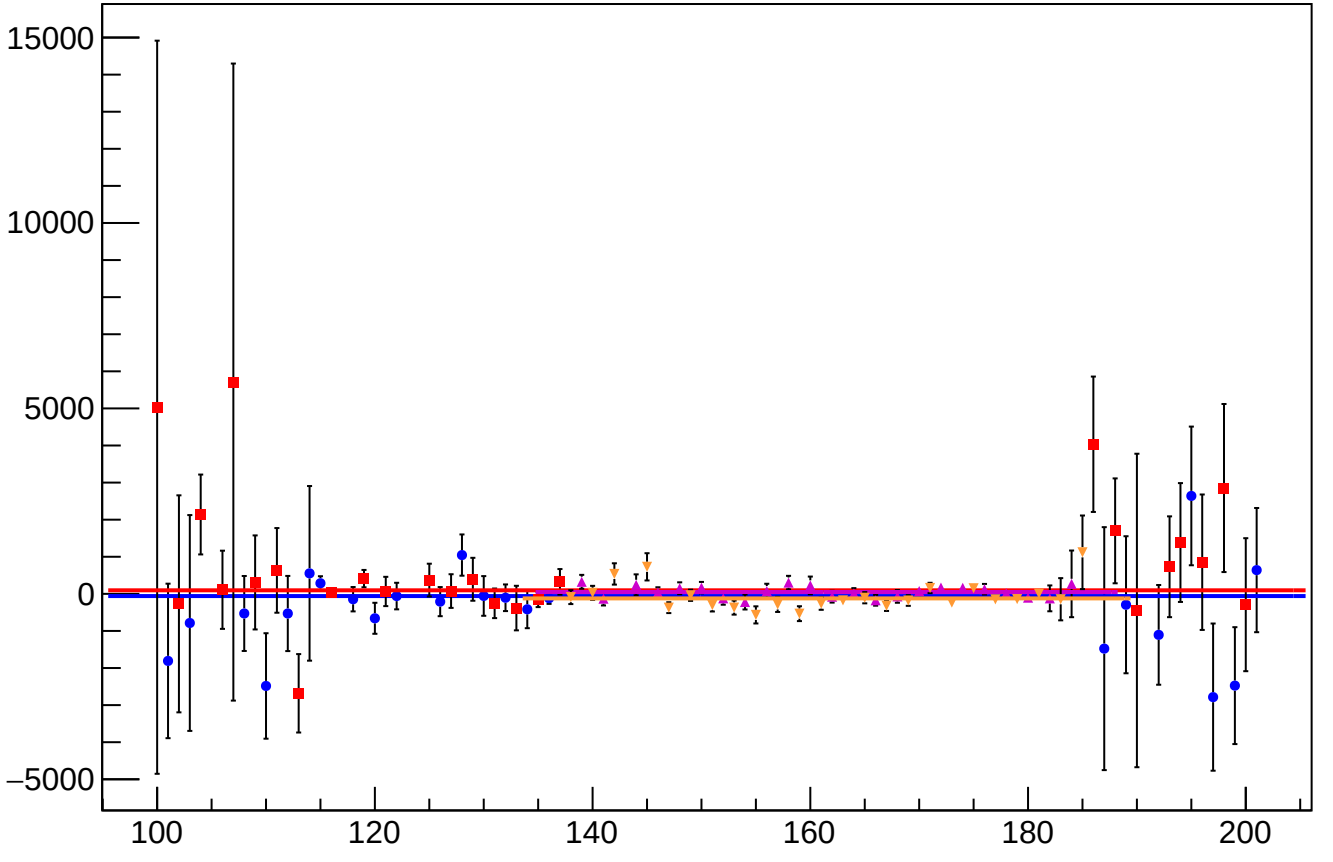
Right: 2253.653+/-0.318 χ^2/NDF: 723679.4/48

In: 2205.026+/-0.283 χ^2/NDF:550819.2/45

Out: 2211.705+/-0.278 χ^2/NDF:208068.7/49

All: 2208.421+/-0.198 χ^2/NDF: 759171.7/95

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: 95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

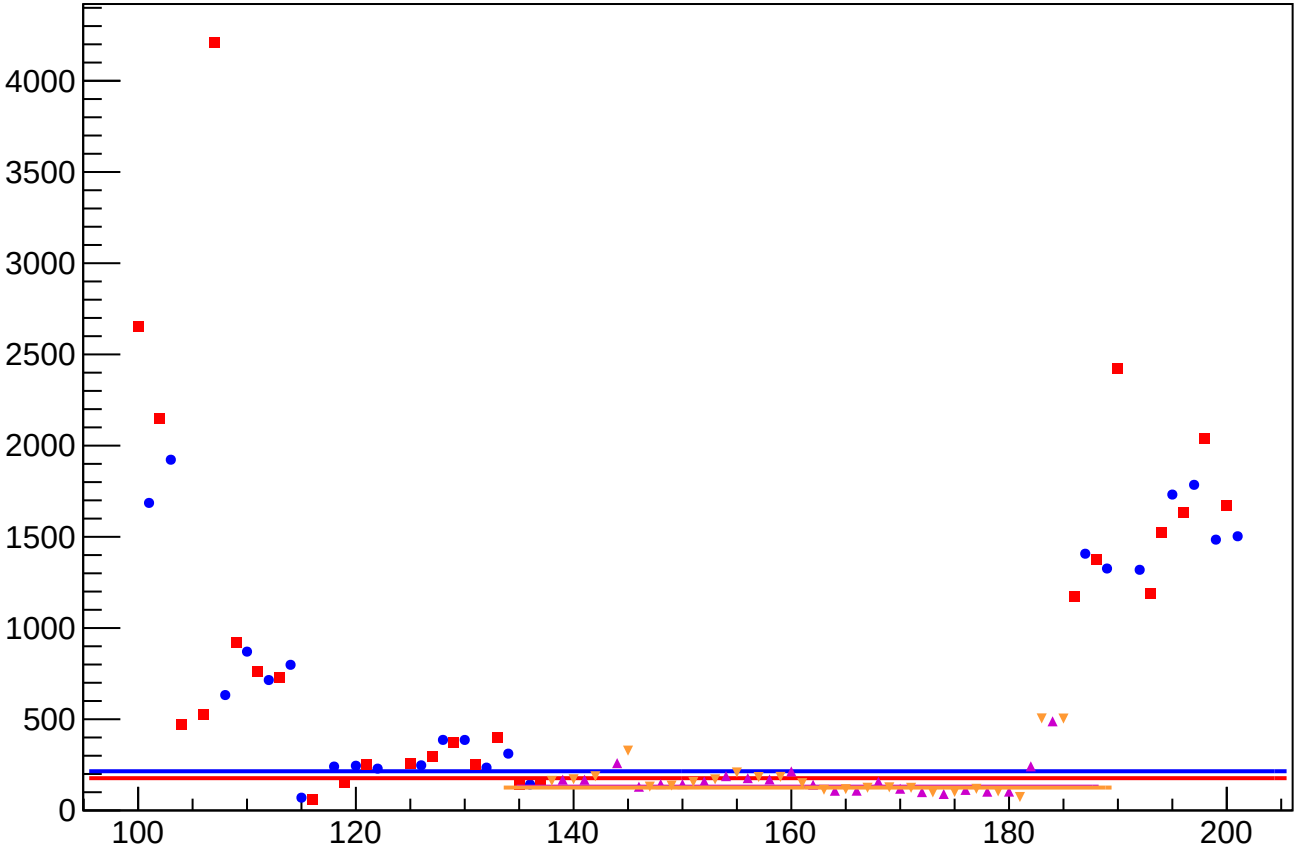
Right: 25.557+/-60.483 χ^2/NDF: 49.3/48

In: 37.518+/-30.612 χ^2/NDF:41.3/45

Out: -94.745+/-29.312 χ^2/NDF:76.0/49

All: -31.480+/-21.171 χ^2/NDF: 127.0/95

asym_us_dd_at1lr_dd_avg_eigen_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: 176.899+/-0.058 χ^2/NDF: 15395653.2/25

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

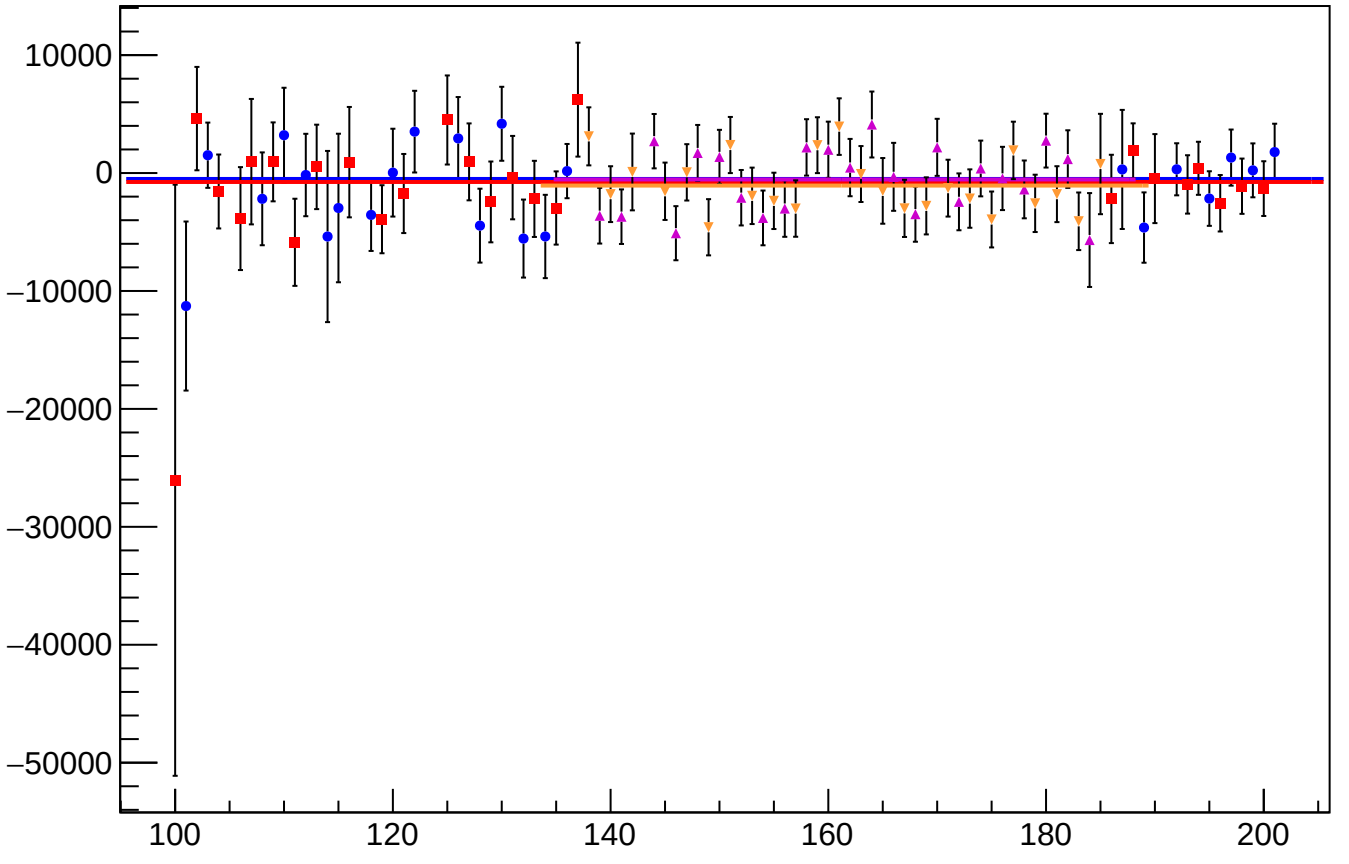
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 194.059+/-0.043 χ^2/NDF: 28177620.4/48

In: 140.209+/-0.022 χ^2/NDF:16822230.3/45

Out: 132.133+/-0.021 χ^2/NDF:20030158.8/49

All: 135.996+/-0.015 χ^2/NDF: 36925010.4/95



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: -756.996+/-627.639 χ^2/NDF: 14.5/25

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

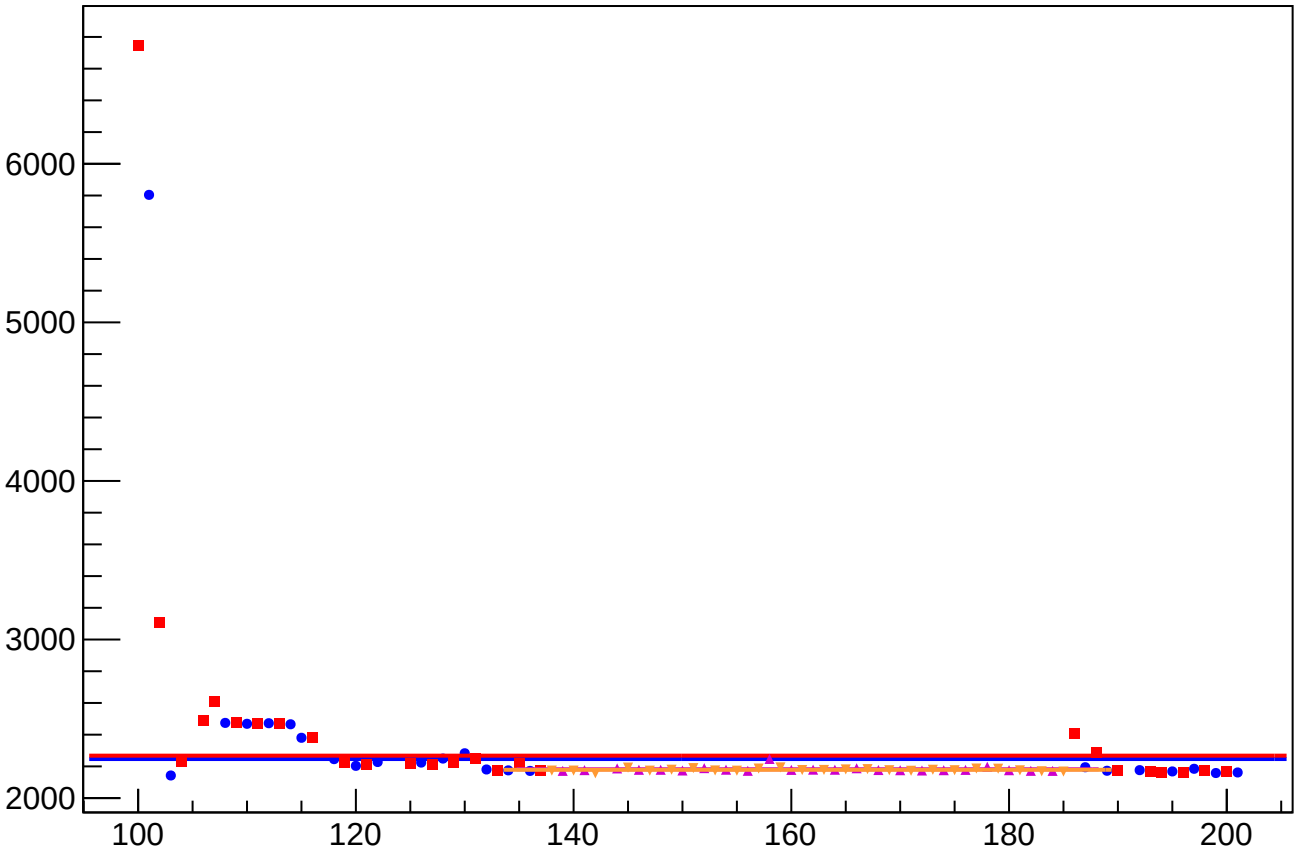
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -633.206+/-450.203 χ^2/NDF: 34.7/48

In: -528.066+/-400.047 χ^2/NDF:48.0/45

Out: -942.185+/-393.750 χ^2/NDF:36.6/49

All: -738.410+/-280.623 χ^2/NDF: 85.1/95



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: 2267.670+/-0.444 χ^2/NDF: 200693.9/25

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

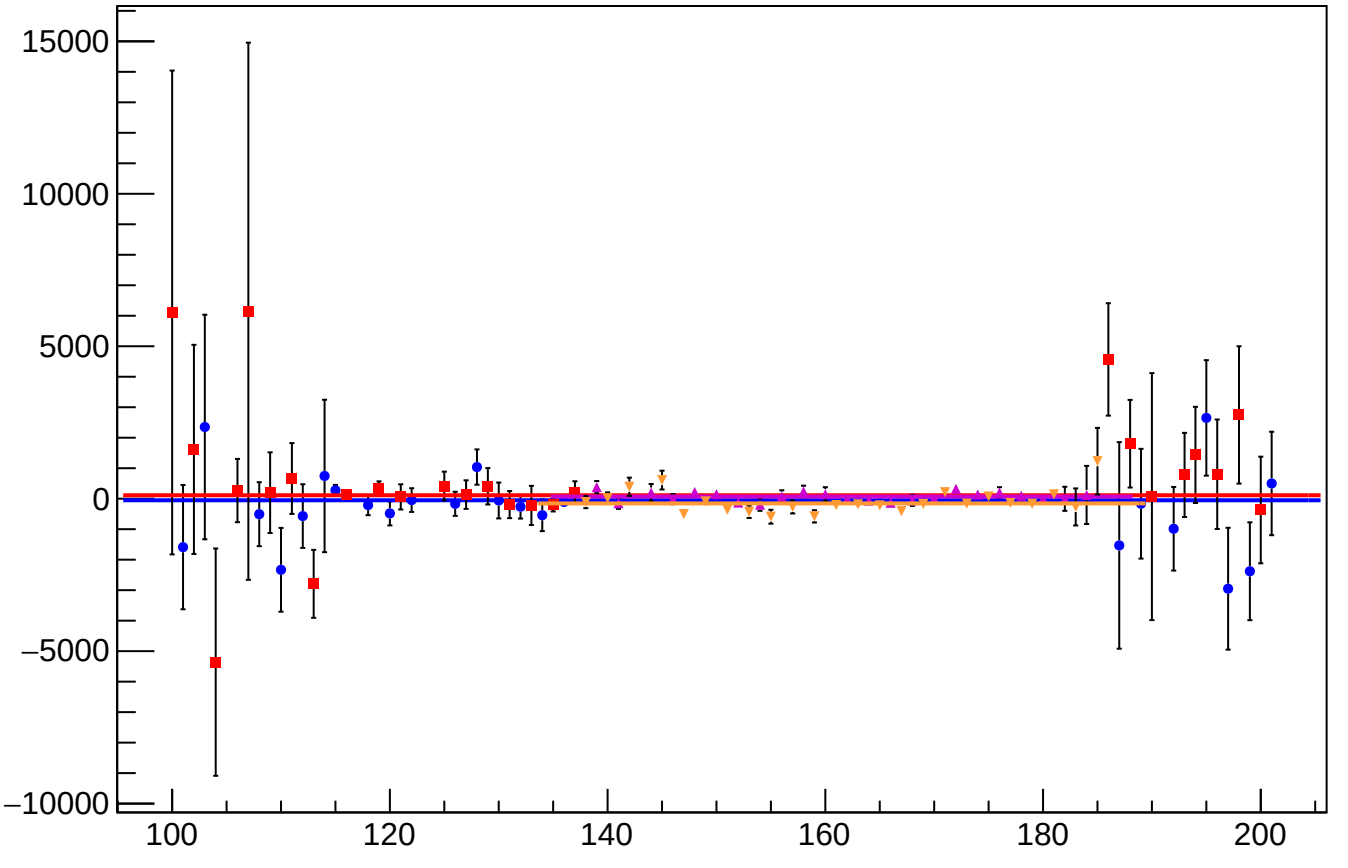
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2257.330+/-0.318 χ^2/NDF: 738285.9/48

In: 2206.603+/-0.283 χ^2/NDF:550597.7/45

Out: 2213.597+/-0.278 χ^2/NDF:225629.3/49

All: 2210.155+/-0.198 χ^2/NDF: 776537.4/95



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: 112.934+/-85.270 χ^2/NDF: 24.8/25

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

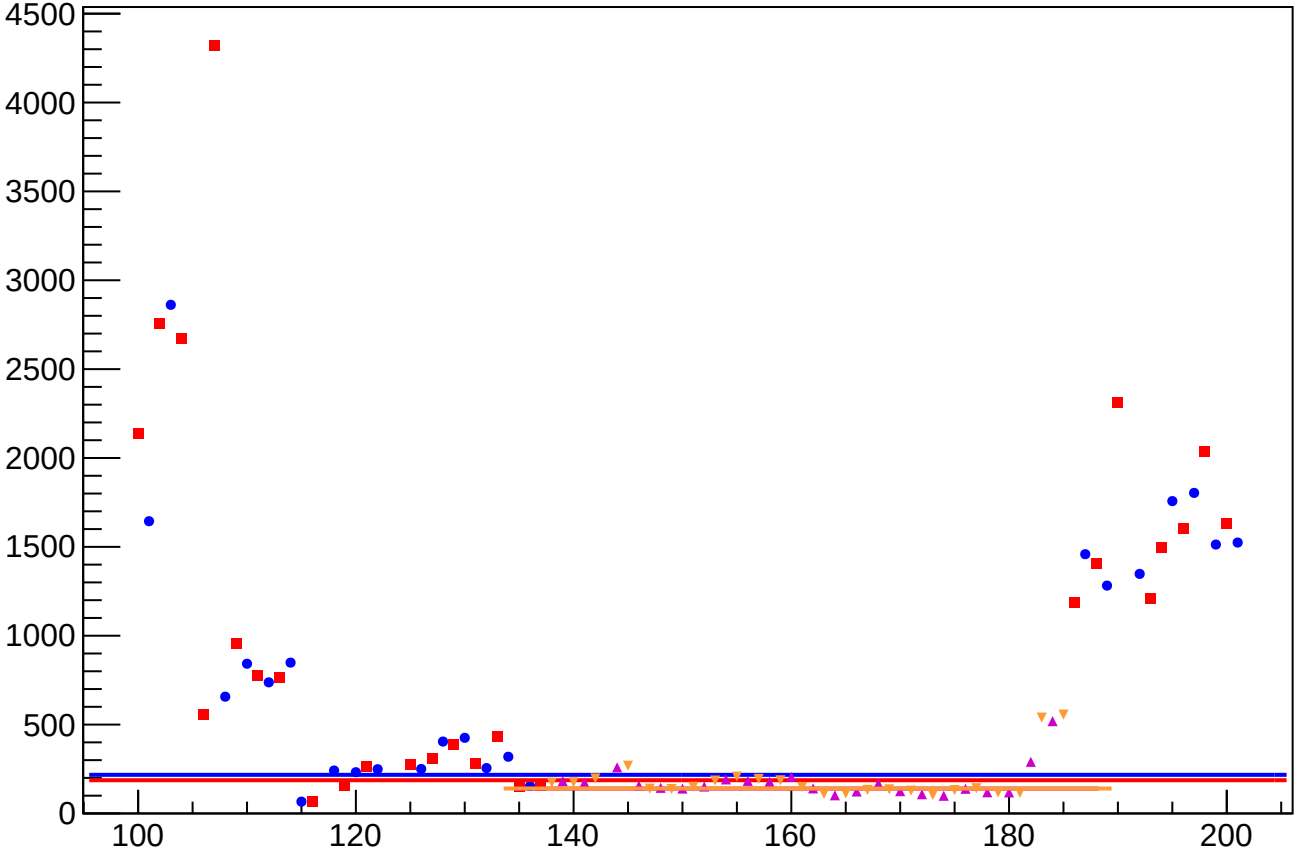
Right: 36.496+/-62.399 χ^2/NDF: 47.6/48

In: 55.228+/-32.041 χ^2/NDF:41.6/45

Out: -117.895+/-31.631 χ^2/NDF:80.6/49

All: -32.450+/-22.510 χ^2/NDF: 137.0/95

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: 186.959+/-0.060 χ^2/NDF: 16245838.1/25

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

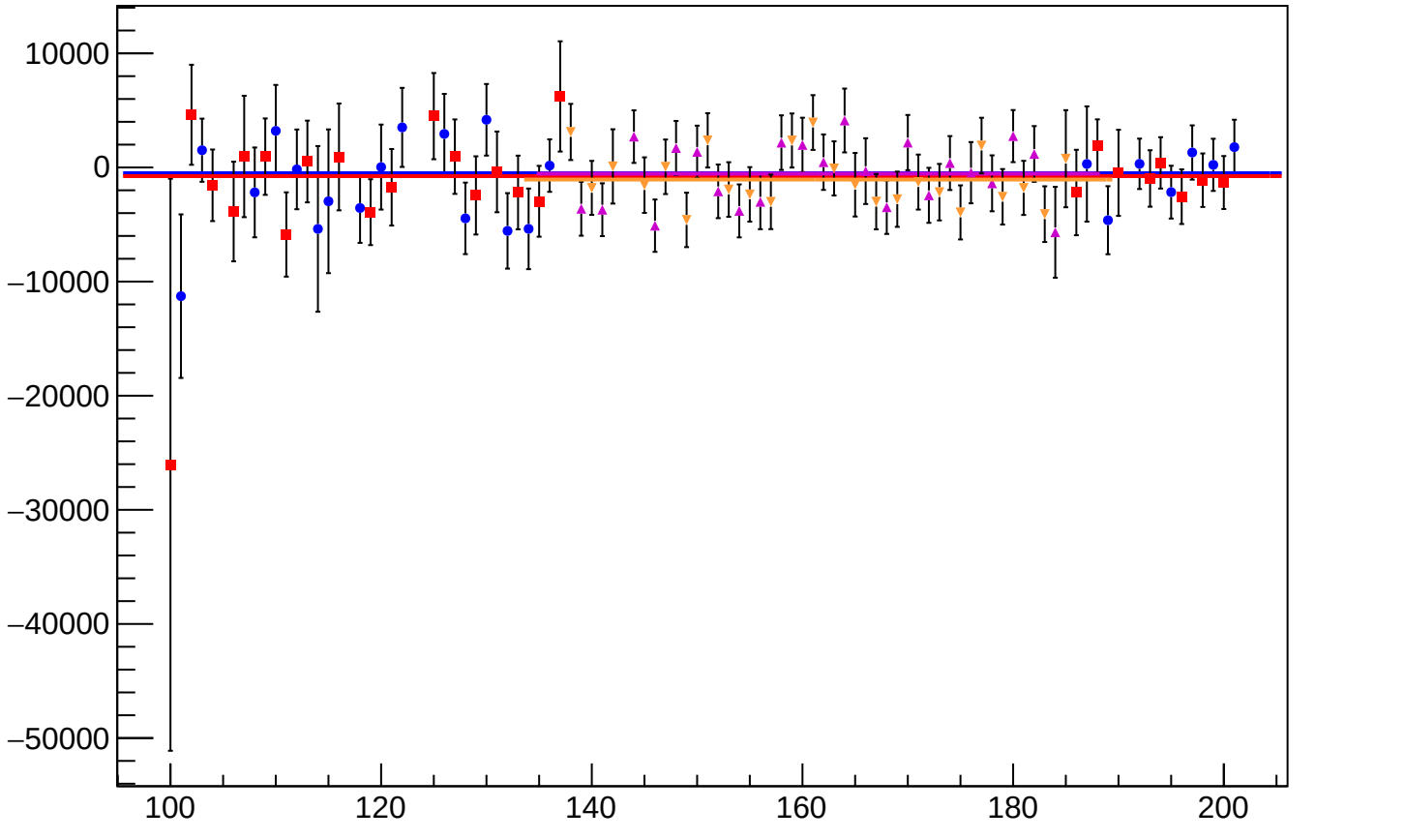
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 201.077+/-0.044 χ^2/NDF: 29519636.8/48

In: 149.455+/-0.023 χ^2/NDF:16821711.9/45

Out: 146.736+/-0.022 χ^2/NDF:19522140.4/49

All: 148.078+/-0.016 χ^2/NDF: 36351145.3/95



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: -756.995+/-627.639 χ^2/NDF: 14.5/25

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

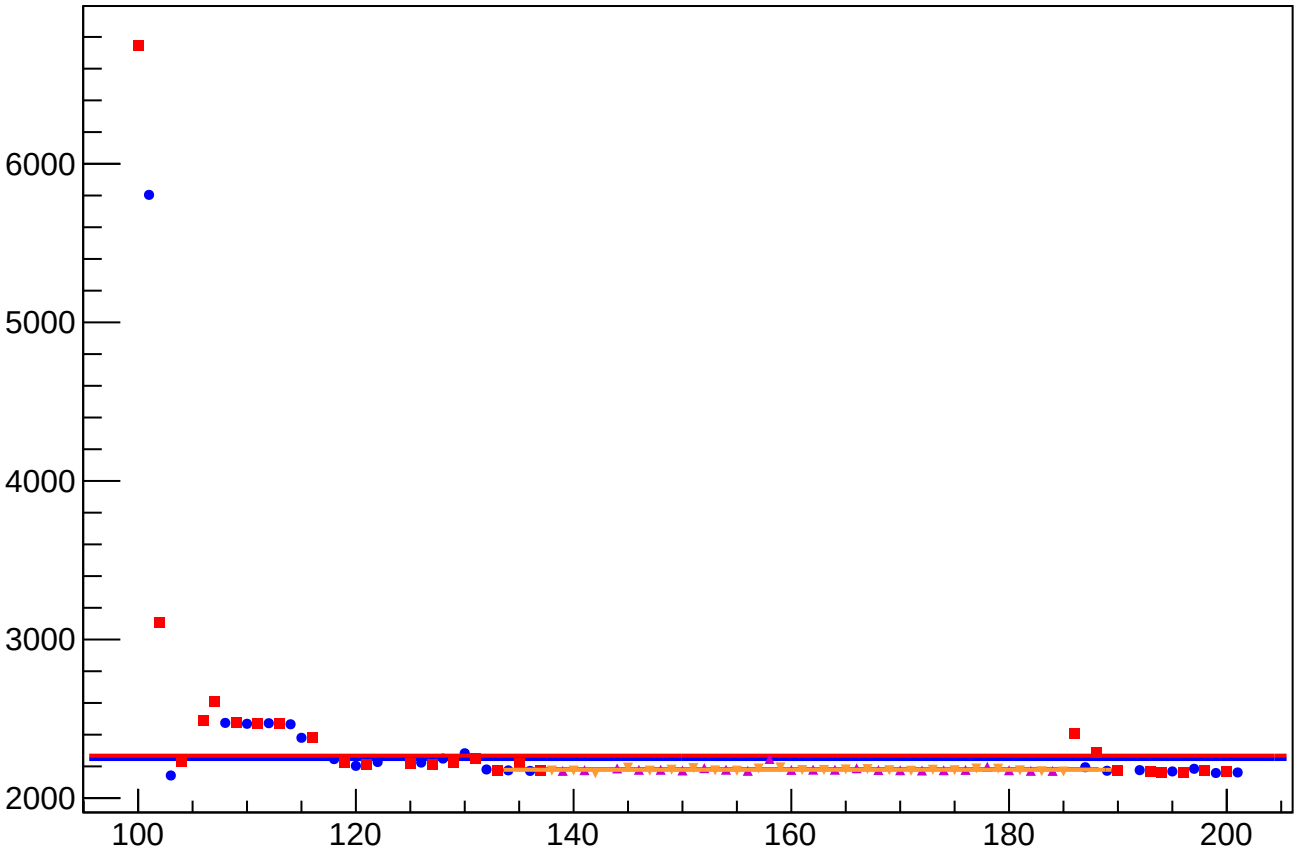
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -633.206+/-450.203 χ^2/NDF: 34.7/48

In: -528.065+/-400.047 χ^2/NDF:48.0/45

Out: -942.186+/-393.750 χ^2/NDF:36.6/49

All: -738.410+/-280.623 χ^2/NDF: 85.1/95



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: 2267.670+/-0.444 χ^2/NDF: 200693.8/25

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

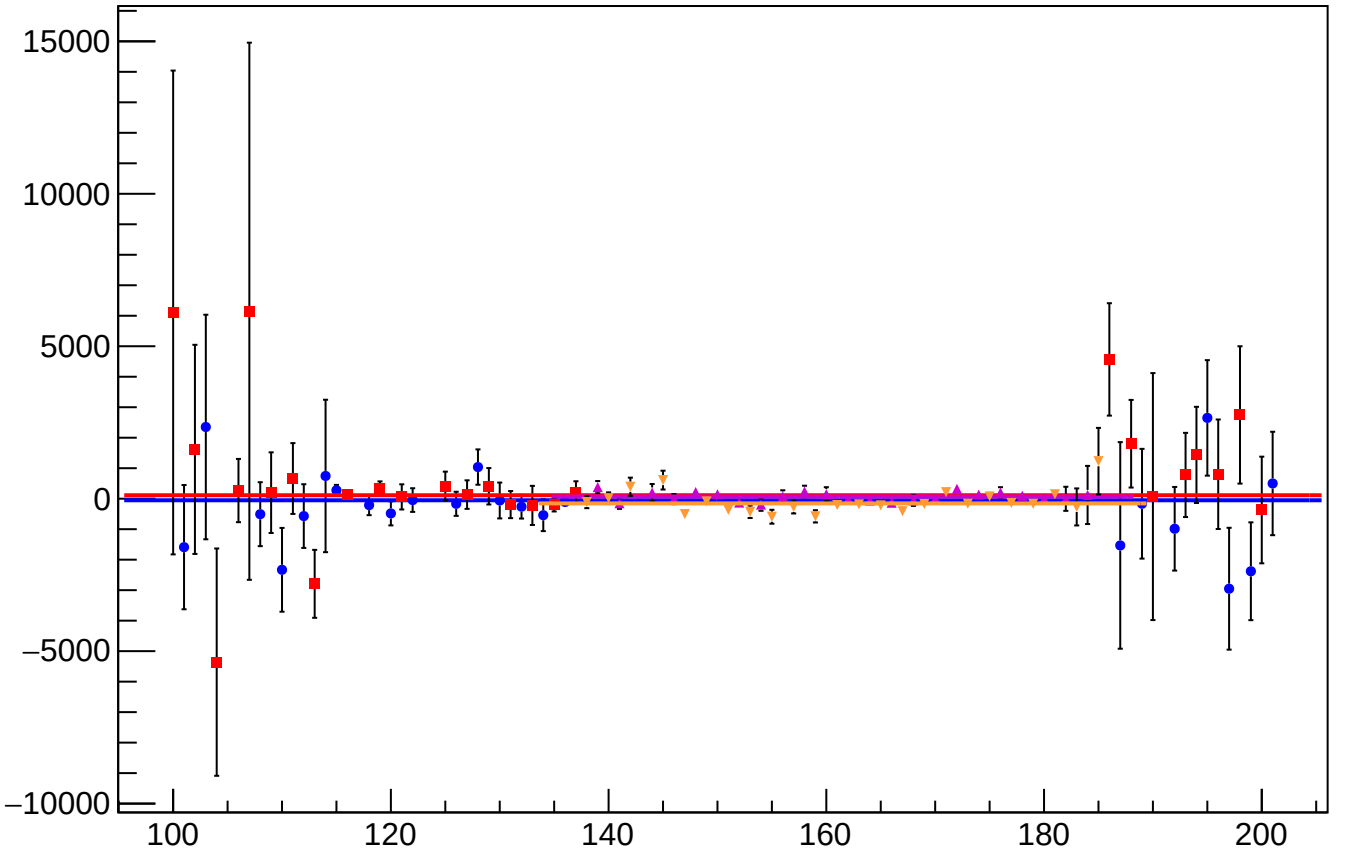
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2257.330+/-0.318 χ^2/NDF: 738285.8/48

In: 2206.603+/-0.283 χ^2/NDF:550597.7/45

Out: 2213.597+/-0.278 χ^2/NDF:225629.1/49

All: 2210.155+/-0.198 χ^2/NDF: 776537.3/95



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: 112.935+/-85.269 χ^2/NDF: 24.8/25

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

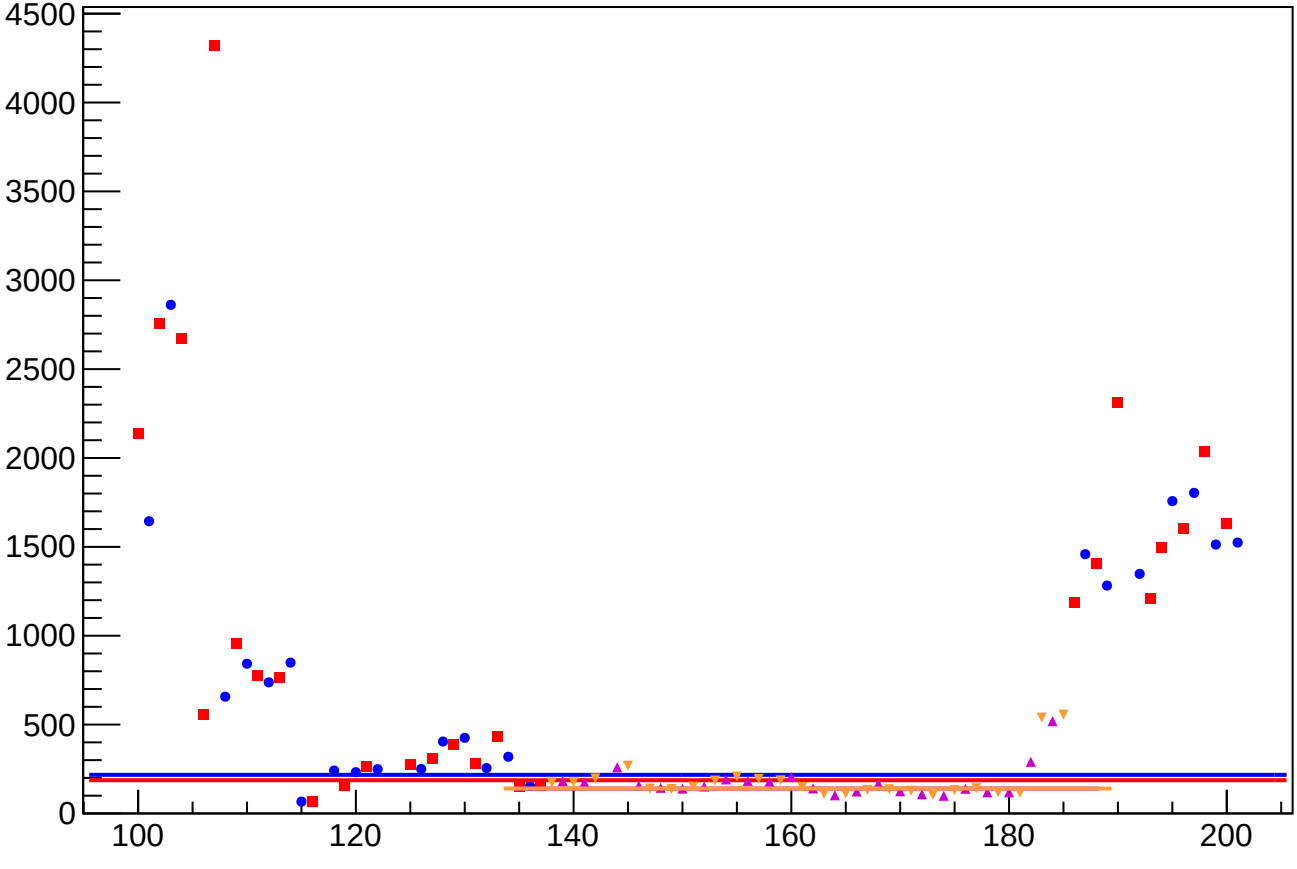
Right: 36.498+/-62.398 χ^2/NDF: 47.6/48

In: 55.227+/-32.041 χ^2/NDF:41.6/45

Out: -117.895+/-31.631 χ^2/NDF:80.6/49

All: -32.451+/-22.510 χ^2/NDF: 137.0/95

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: 186.956+/-0.060 χ^2/NDF: 16245931.2/25

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

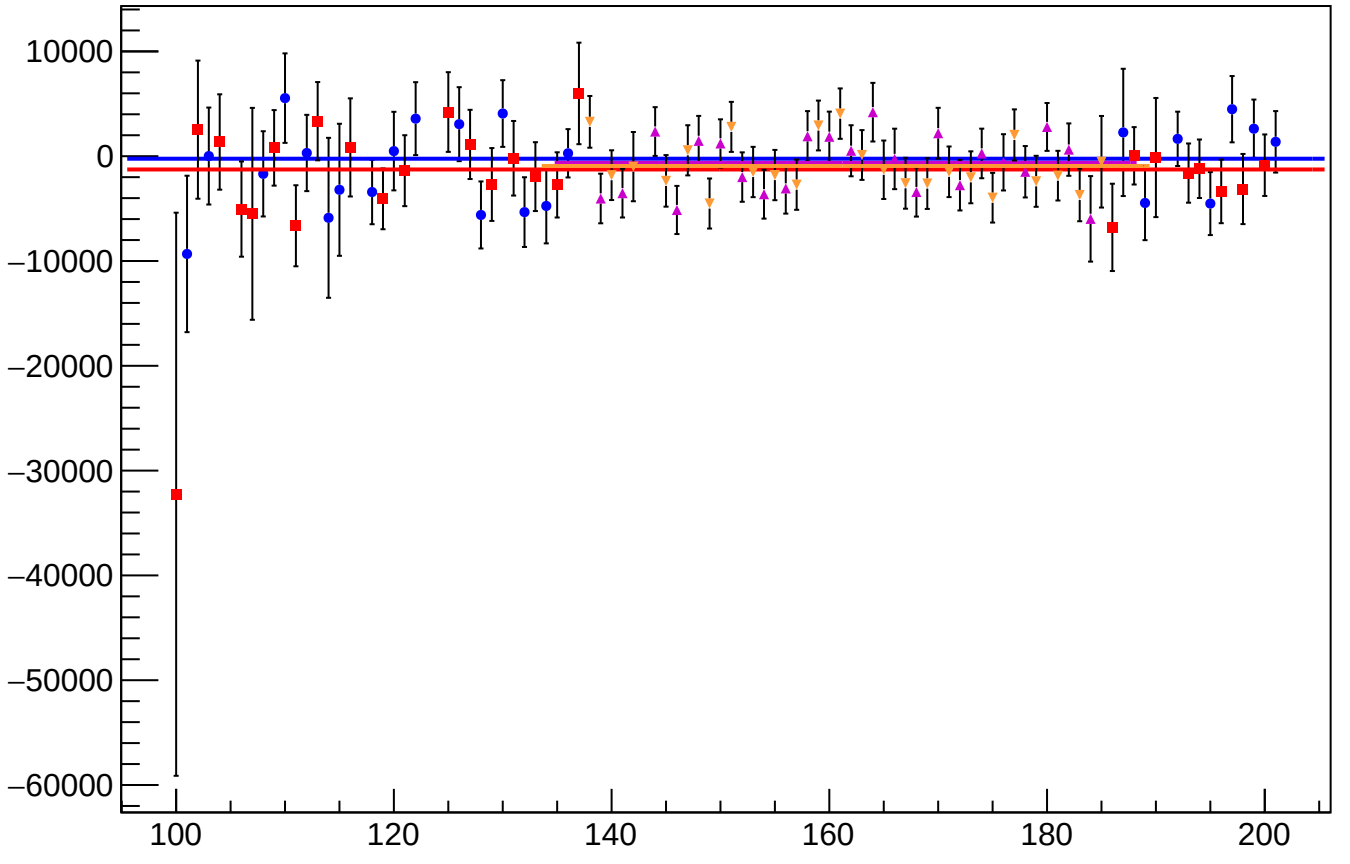
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 201.075+/-0.044 χ^2/NDF: 29519800.2/48

In: 149.455+/-0.023 χ^2/NDF:16821760.4/45

Out: 146.736+/-0.022 χ^2/NDF:19522169.9/49

All: 148.078+/-0.016 χ^2/NDF: 36351222.8/95



Right In: -239.823+/-724.916 χ^2/NDF: 23.8/22

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1266.499+/-716.342 χ^2/NDF: 16.0/25

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

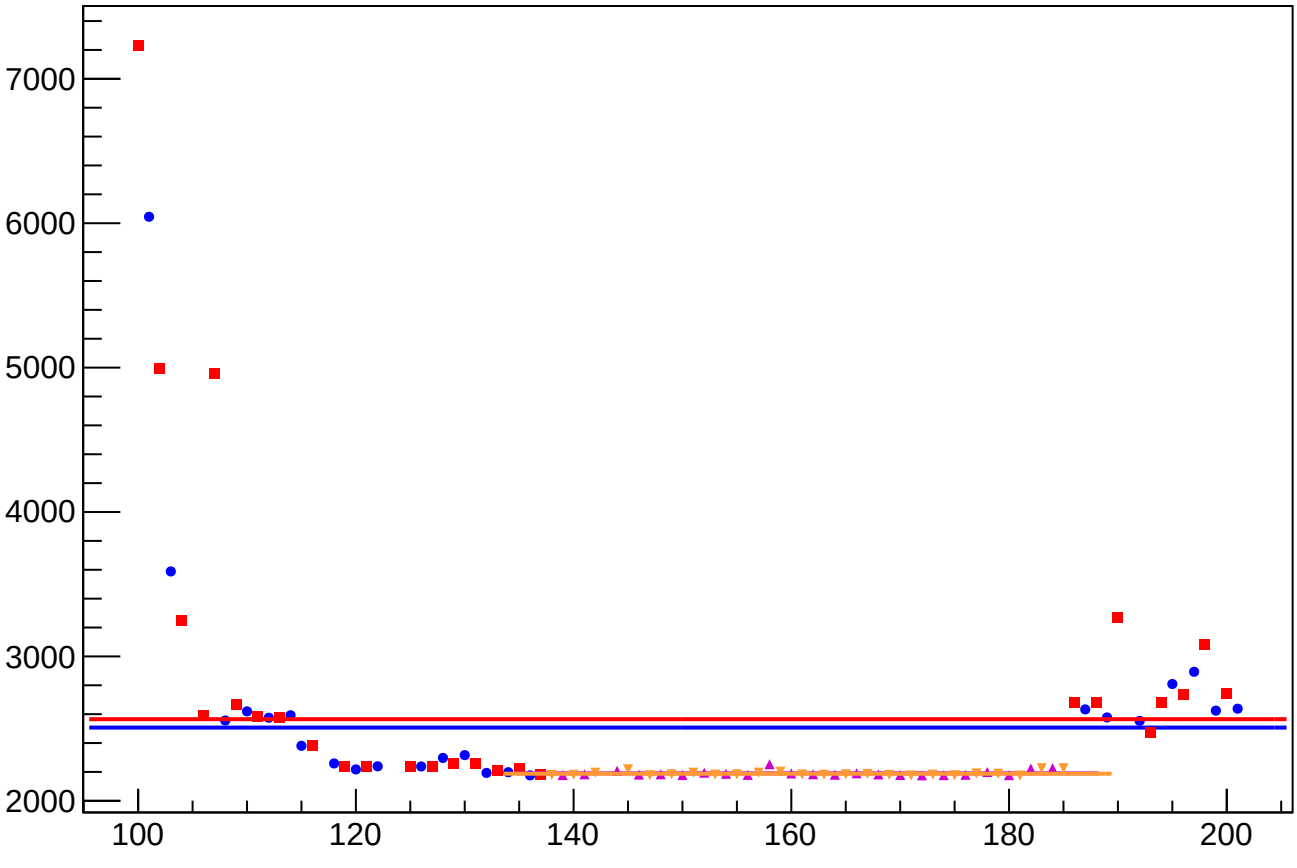
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -759.268+/-509.534 χ^2/NDF: 40.8/48

In: -508.883+/-417.865 χ^2/NDF:51.0/45

Out: -1043.849+/-414.225 χ^2/NDF:38.5/49

All: -778.706+/-294.180 χ^2/NDF: 90.4/95



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: 2565.365+/-0.507 χ^2/NDF: 766501.7/25

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

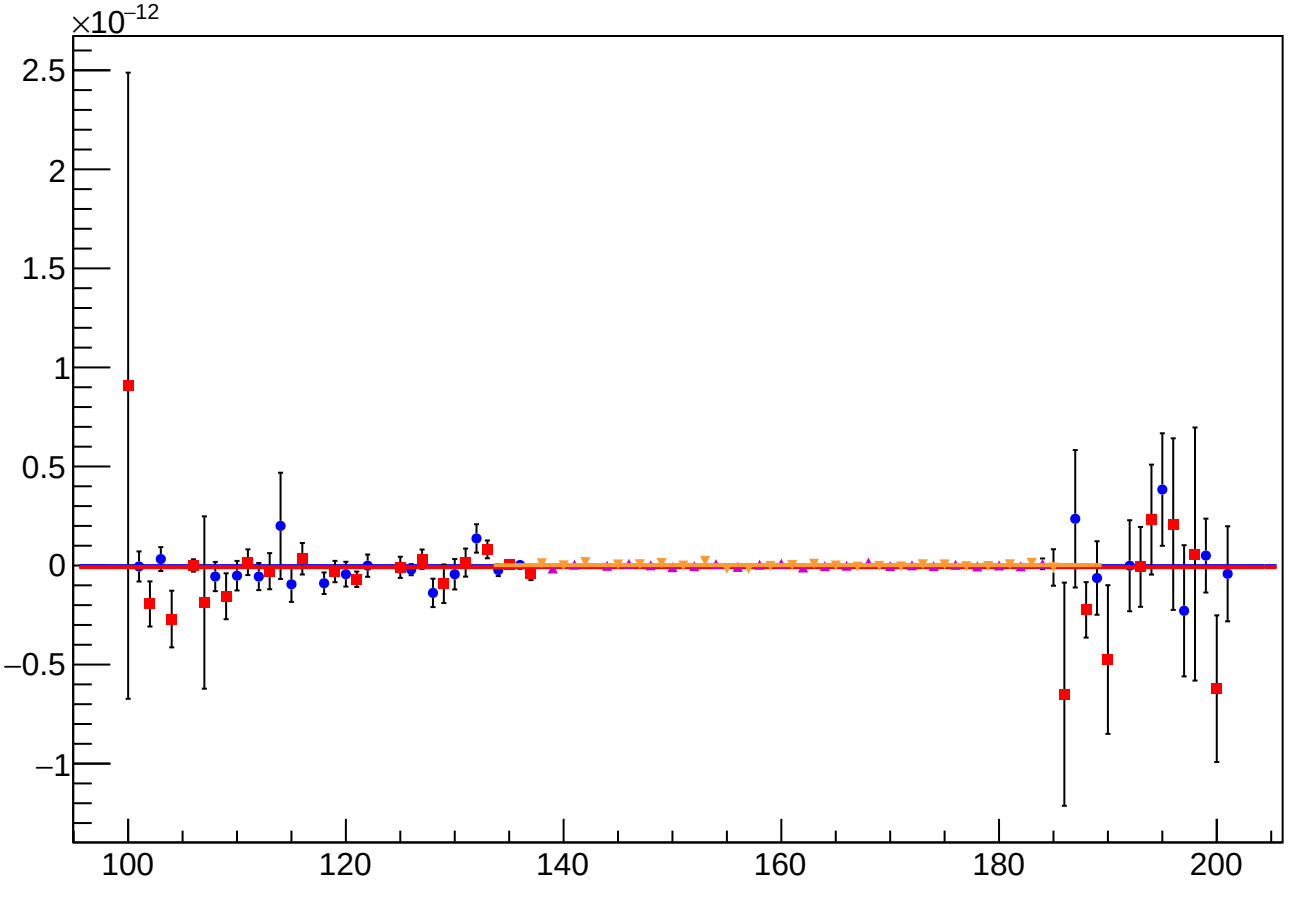
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2536.583+/-0.360 χ^2/NDF: 1533245.4/48

In: 2295.476+/-0.295 χ^2/NDF:1018033.7/45

Out: 2313.928+/-0.293 χ^2/NDF:1138027.7/49

All: 2304.783+/-0.208 χ^2/NDF: 2158028.4/95



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: 27.9/25

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

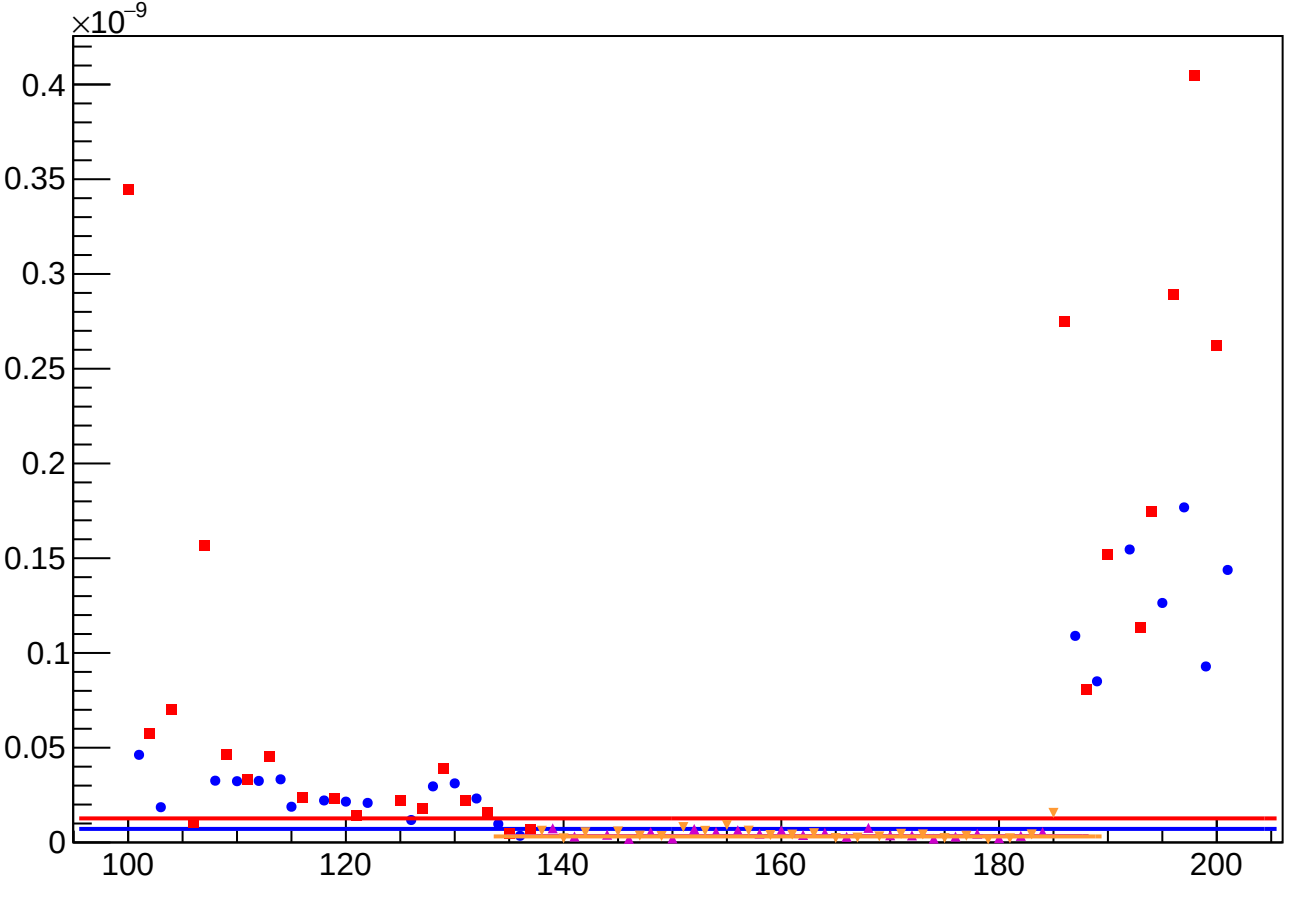
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 46.7/48

In: -0.000+/-0.000 χ^2/NDF:32.1/45

Out: 0.000+/-0.000 χ^2/NDF:48.3/49

All: 0.000+/-0.000 χ^2/NDF: 81.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 6170007.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7574944.7/25

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

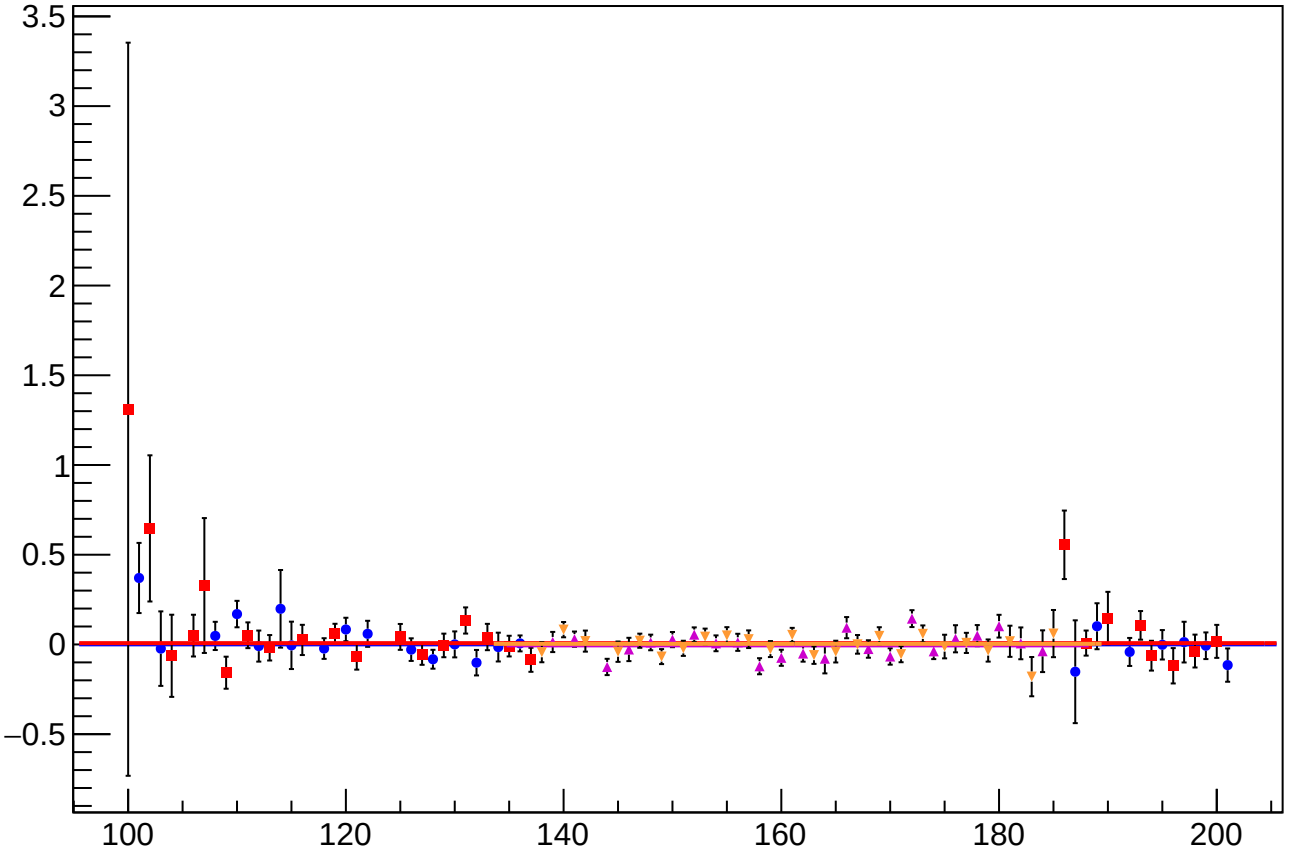
Right: 0.000+/-0.000 χ^2/NDF: 14205166.6/48

In: 0.000+/-0.000 χ^2/NDF:8543287.3/45

Out: 0.000+/-0.000 χ^2/NDF:11515598.9/49

All: 0.000+/-0.000 χ^2/NDF: 20081497.1/95

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: 0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

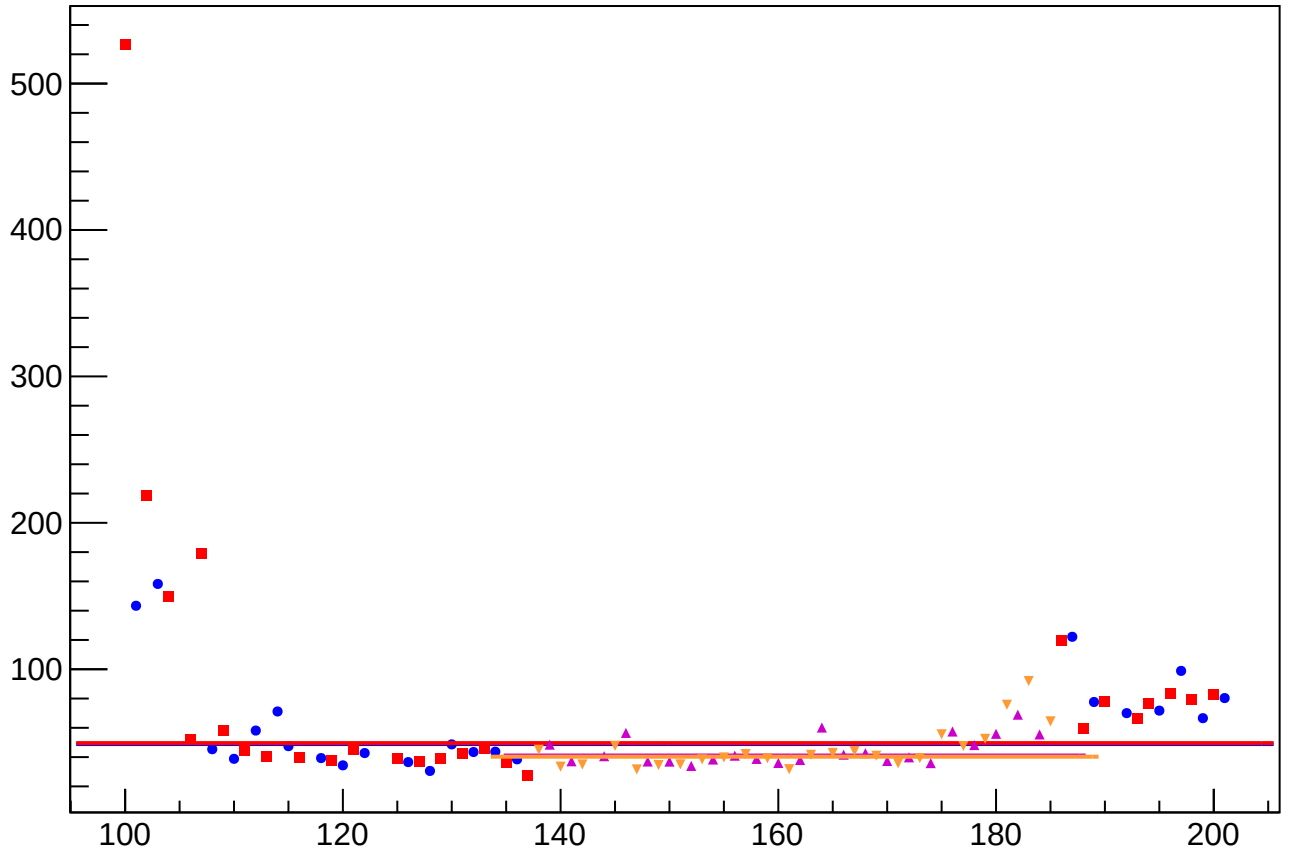
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.004+/-0.011 χ^2/NDF: 49.8/48

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 113.5/95



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: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

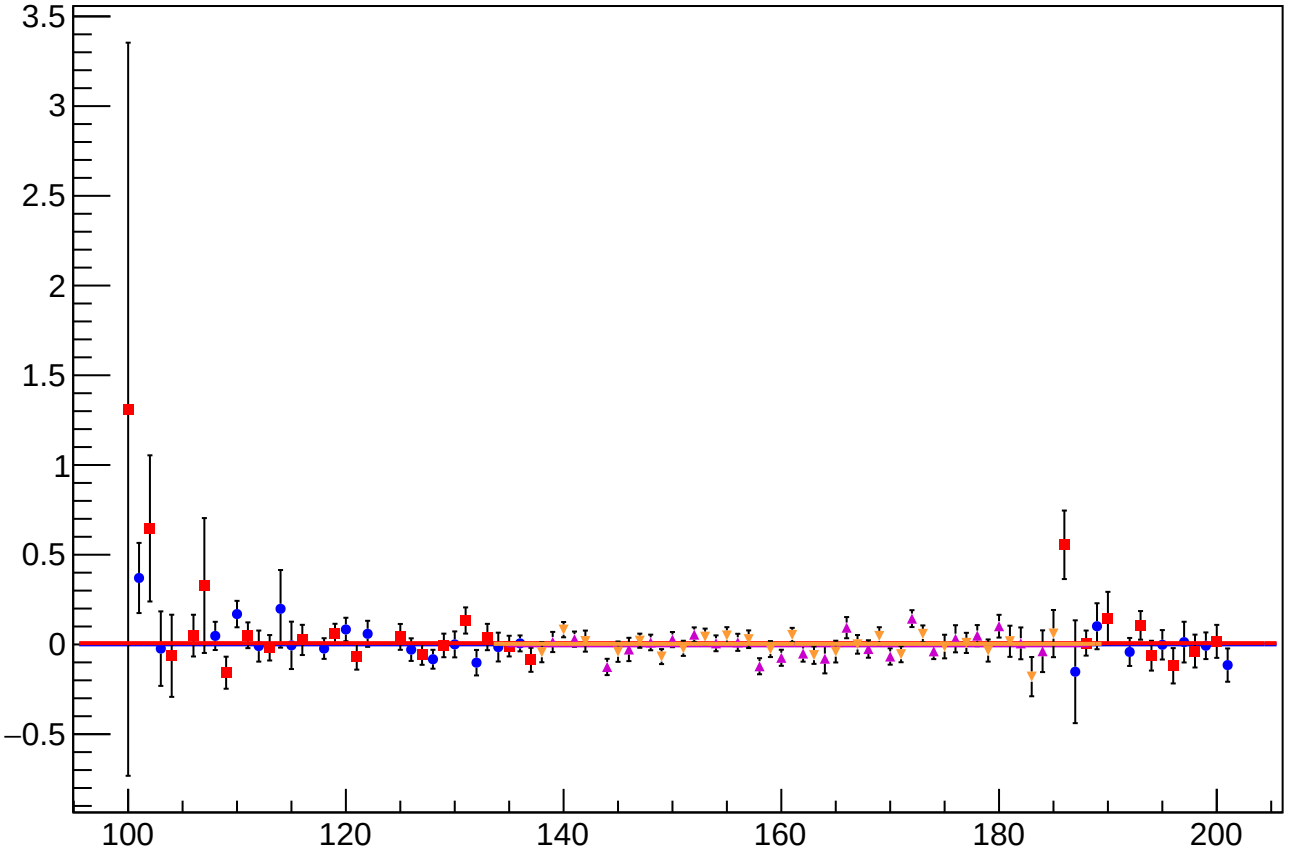
Right: 49.242+/-0.008 χ^2/NDF: 6188795.9/48

In: 43.397+/-0.006 χ^2/NDF:4242657.6/45

Out: 42.980+/-0.006 χ^2/NDF:5152327.6/49

All: 43.185+/-0.004 χ^2/NDF: 9397230.0/95

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: 0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

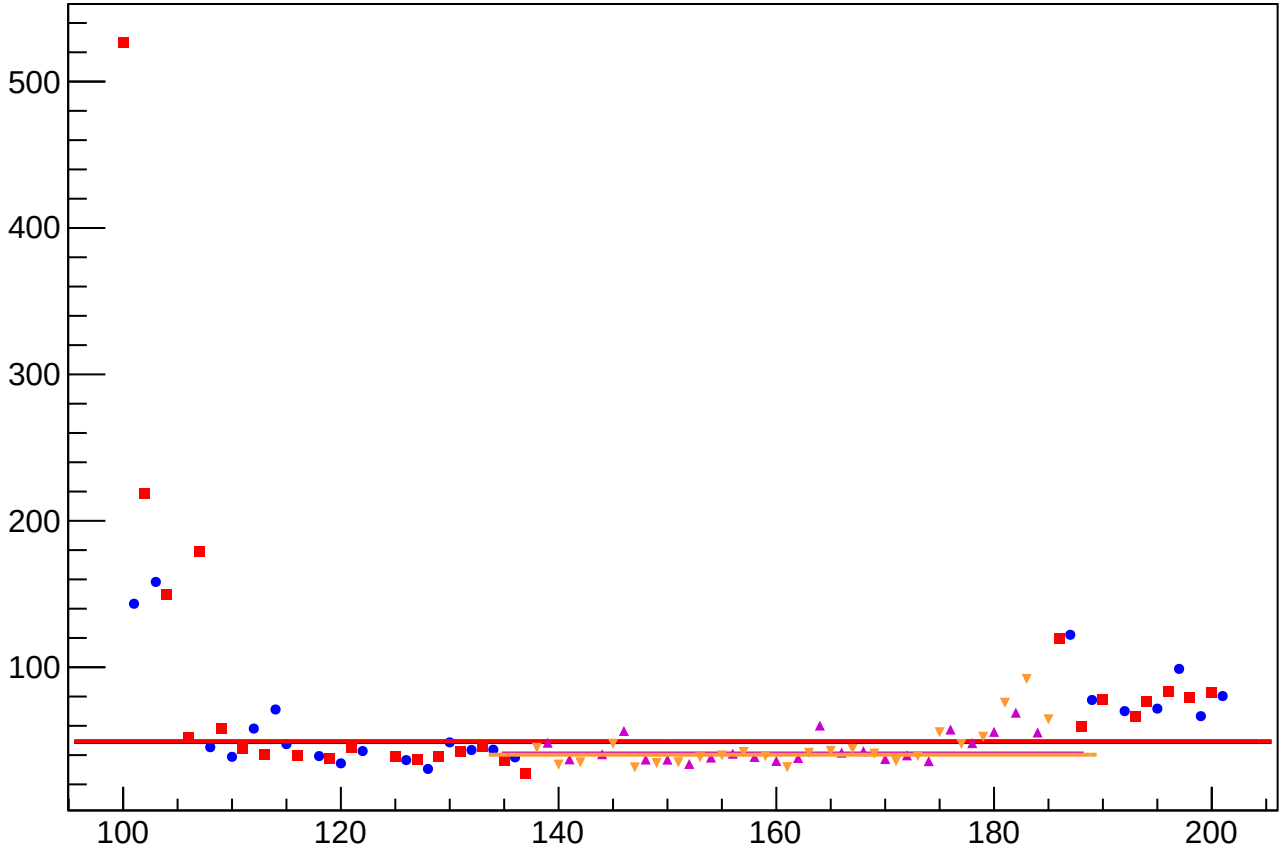
Right: 0.004+/-0.011 χ^2/NDF: 49.8/48

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 113.5/95

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: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

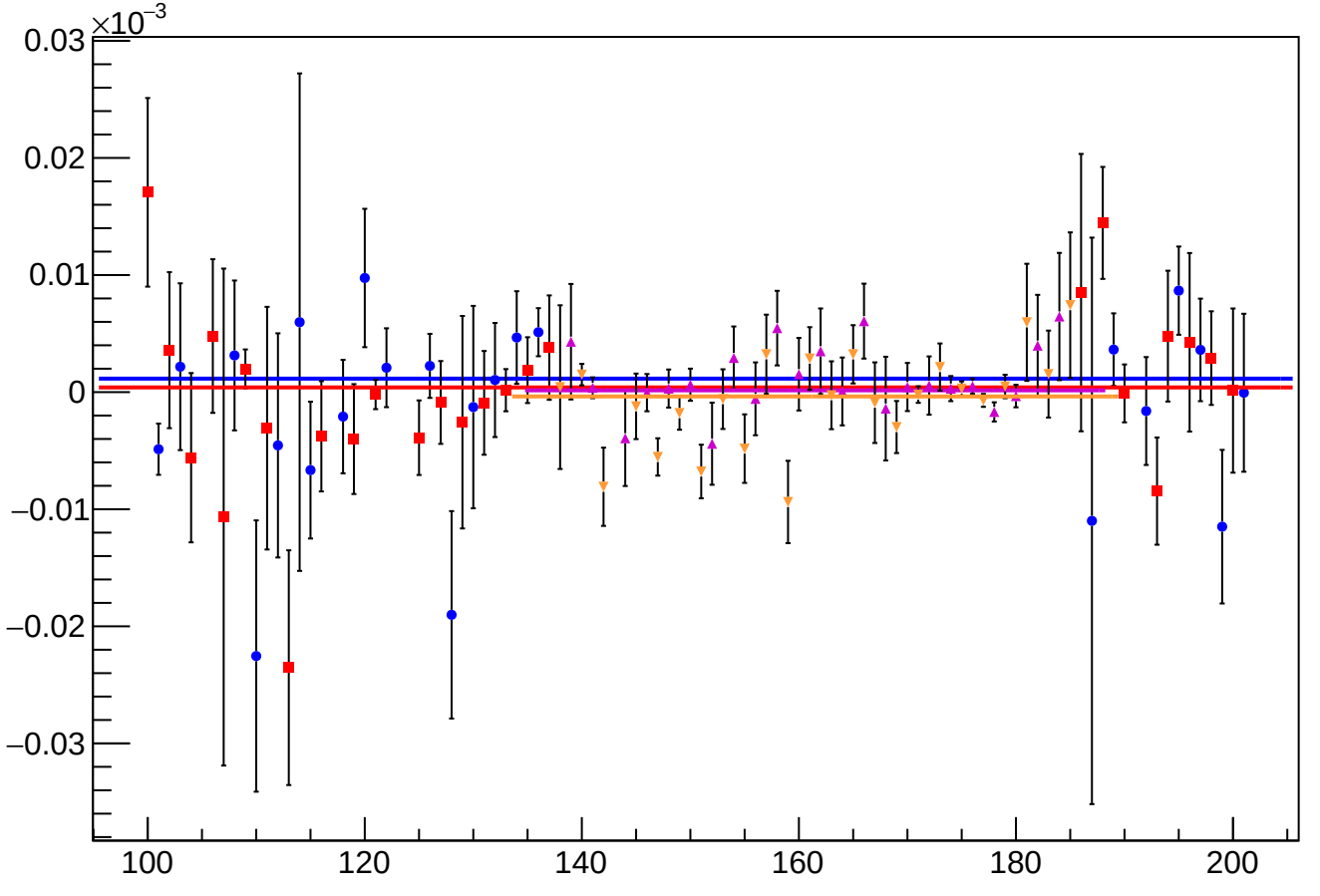
Right: 49.242+/-0.008 χ^2/NDF: 6188795.9/48

In: 43.397+/-0.006 χ^2/NDF:4242657.6/45

Out: 42.980+/-0.006 χ^2/NDF:5152327.6/49

All: 43.185+/-0.004 χ^2/NDF: 9397230.0/95

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: 31.7/25

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

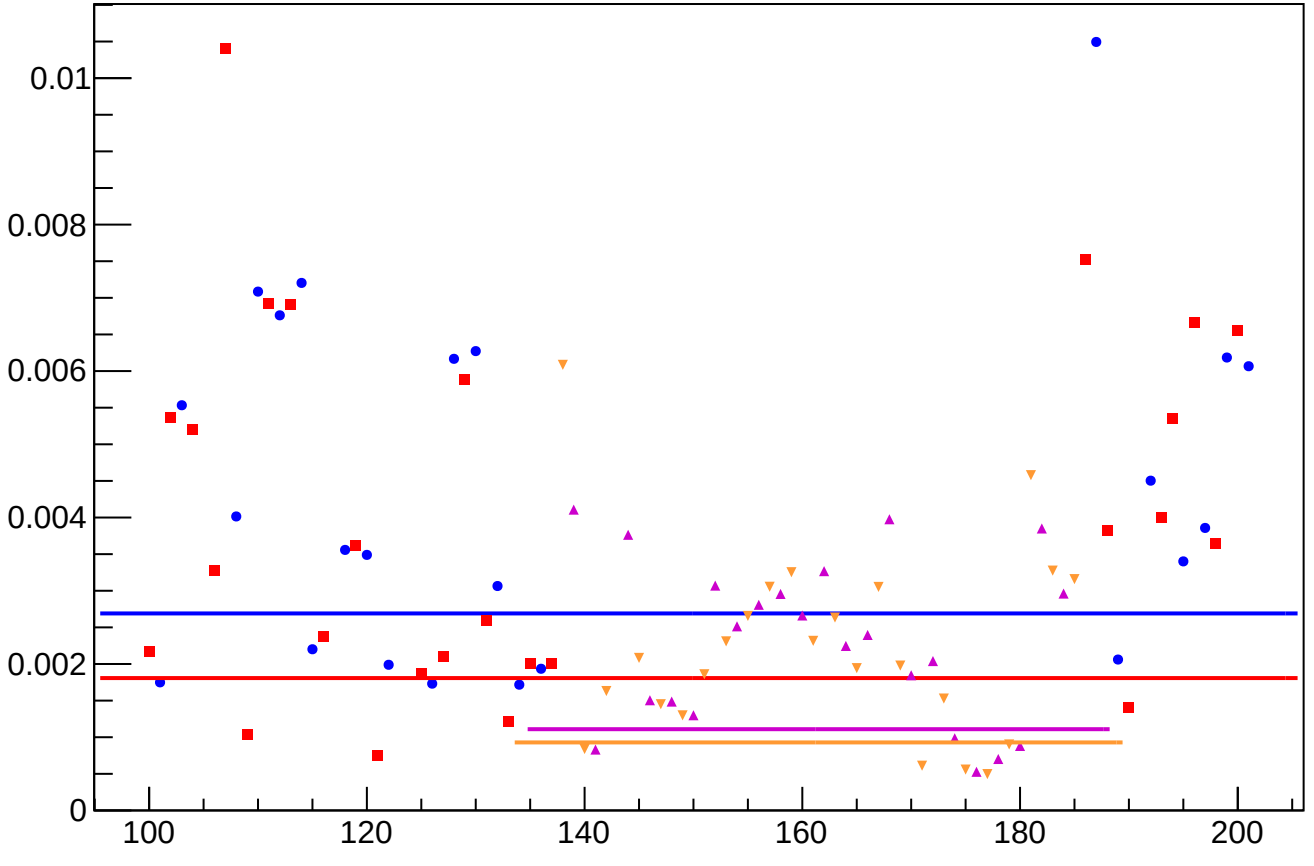
Right: 0.000+/-0.000 χ^2/NDF: 68.2/48

In: 0.000+/-0.000 χ^2/NDF:57.0/45

Out: -0.000+/-0.000 χ^2/NDF:84.1/49

All: -0.000+/-0.000 χ^2/NDF: 142.8/95

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: 9632406.5/25

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

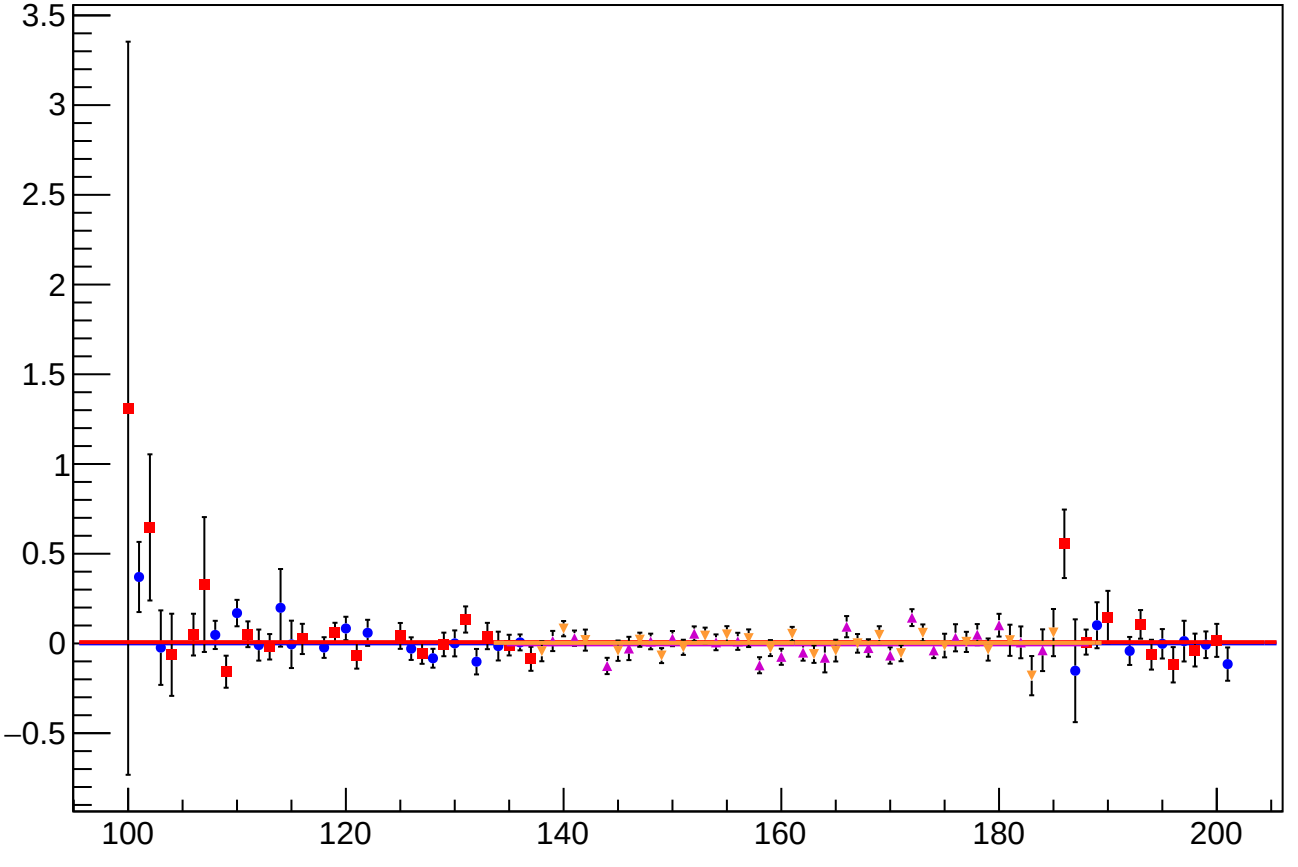
Right: 0.002+/-0.000 χ^2/NDF: 15822877.0/48

In: 0.001+/-0.000 χ^2/NDF:21514896.2/45

Out: 0.001+/-0.000 χ^2/NDF:25236230.0/49

All: 0.001+/-0.000 χ^2/NDF: 47431774.1/95

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: 0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

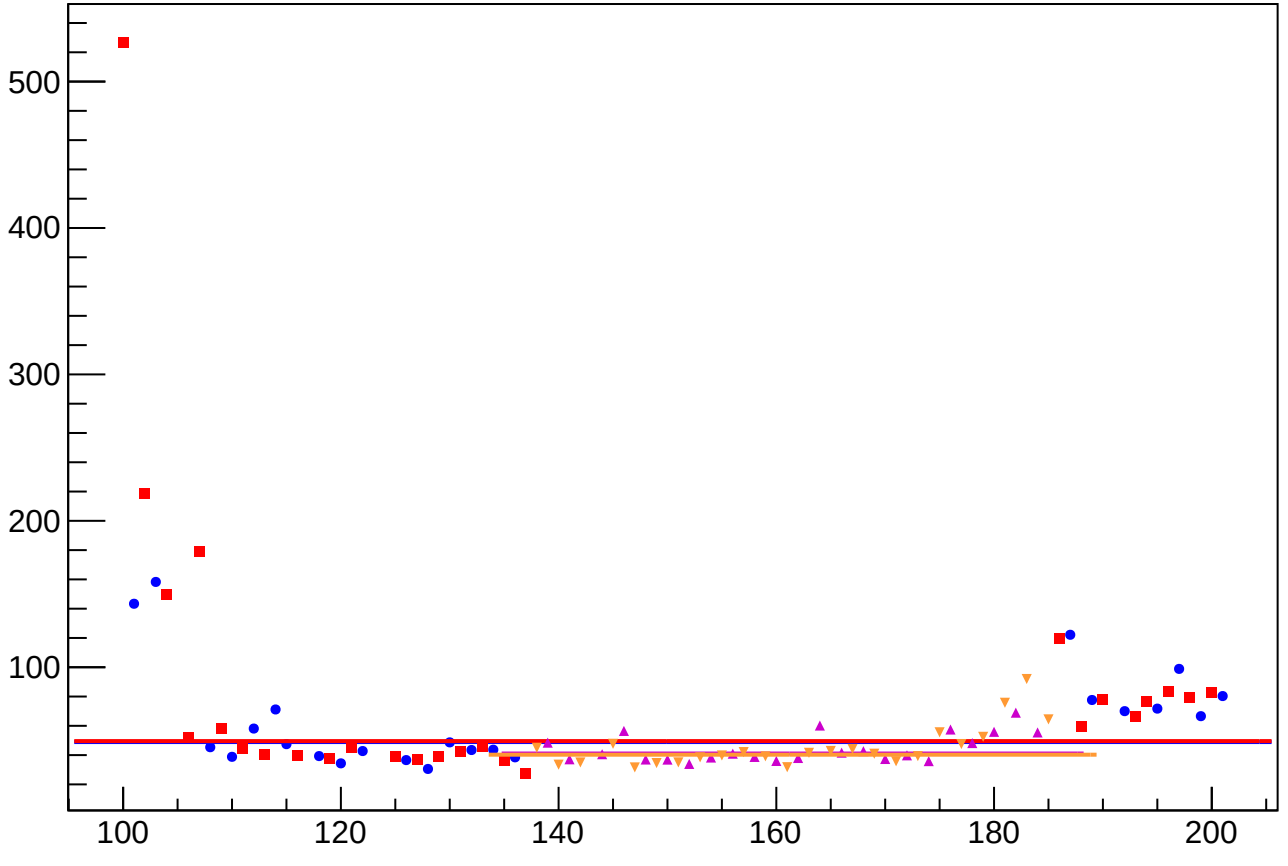
Right: 0.004+/-0.011 χ^2/NDF: 49.8/48

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 113.5/95

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: 49.566+/-0.011 χ^2/NDF: 3196263.3/25

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

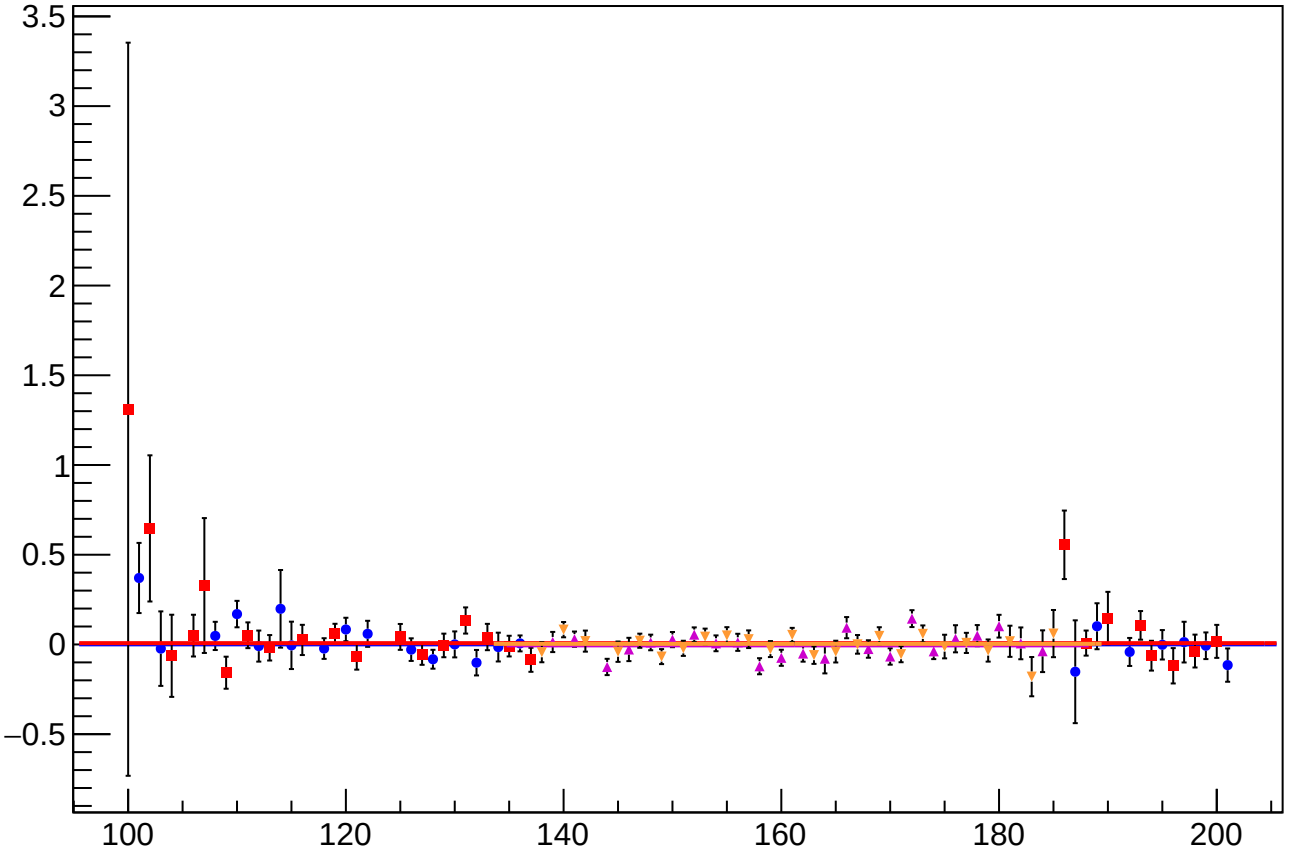
Right: 49.241+/-0.008 χ^2/NDF: 6189210.2/48

In: 43.396+/-0.006 χ^2/NDF:4242957.8/45

Out: 42.980+/-0.006 χ^2/NDF:5152305.4/49

All: 43.185+/-0.004 χ^2/NDF: 9397499.4/95

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: 0.007+/-0.016 χ^2/NDF: 29.6/25

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

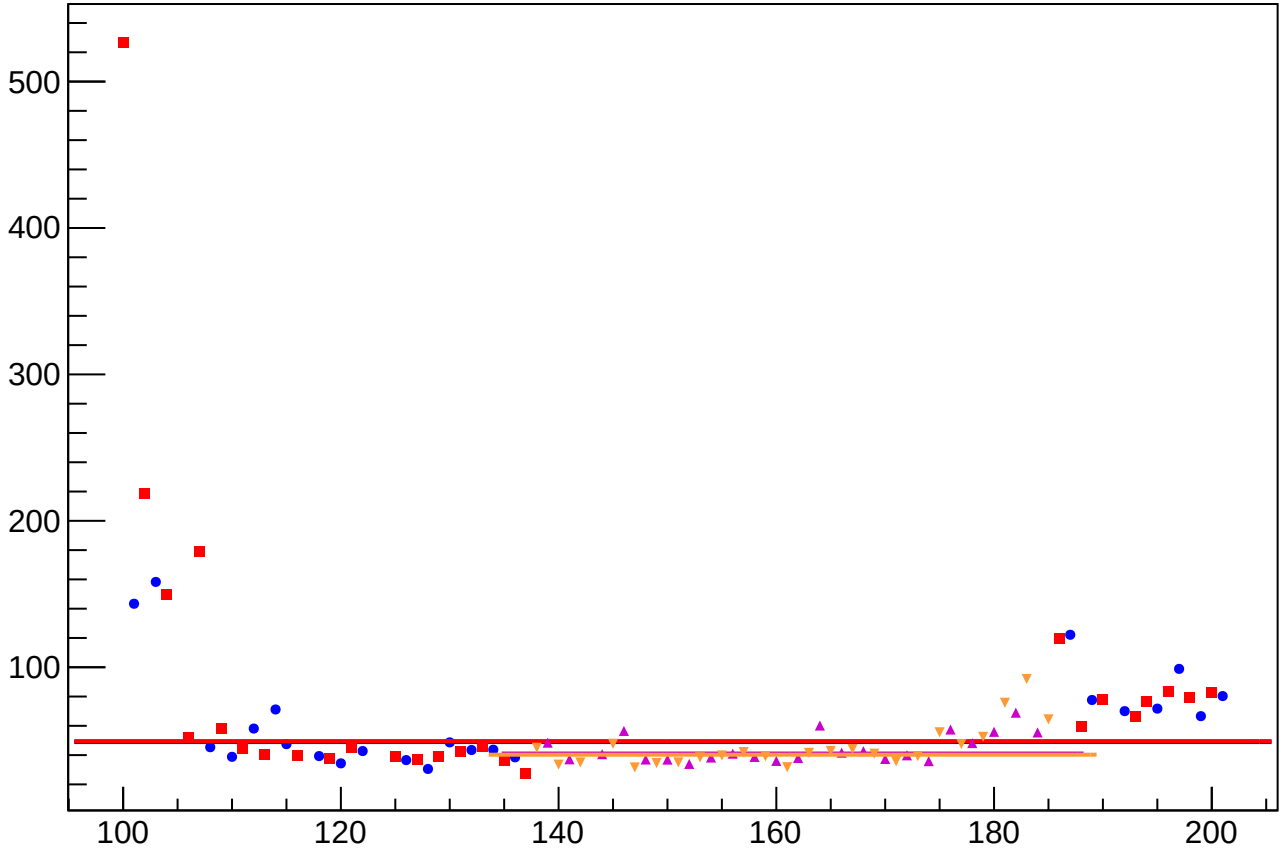
Right: 0.004+/-0.011 χ^2/NDF: 49.8/48

In: -0.004+/-0.009 χ^2/NDF:61.6/45

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 113.5/95

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: 49.566+/-0.011 χ^2/NDF: 3196263.3/25

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

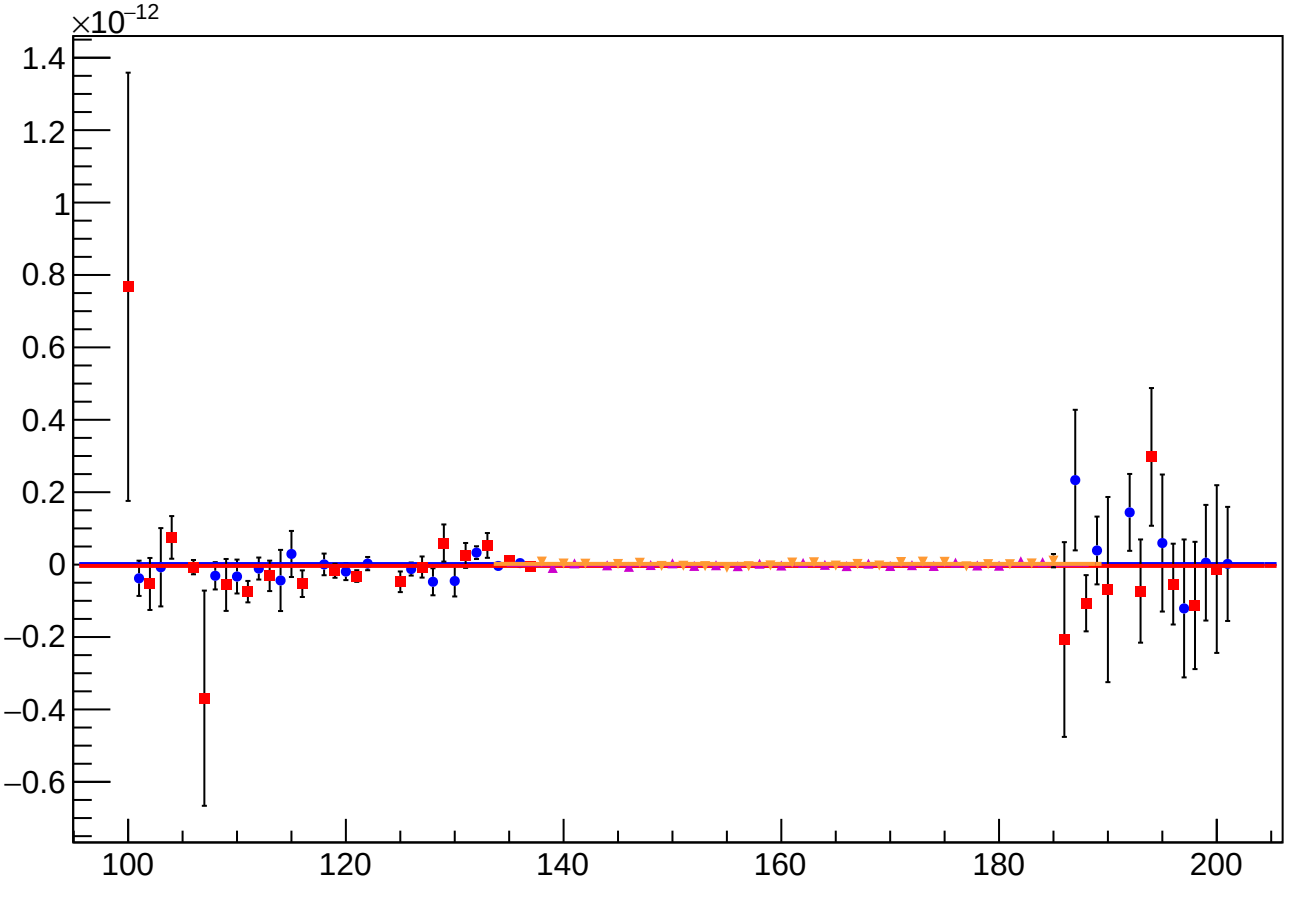
Right: 49.241+/-0.008 χ^2/NDF: 6189210.2/48

In: 43.396+/-0.006 χ^2/NDF:4242957.8/45

Out: 42.980+/-0.006 χ^2/NDF:5152305.4/49

All: 43.185+/-0.004 χ^2/NDF: 9397499.4/95

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: 34.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

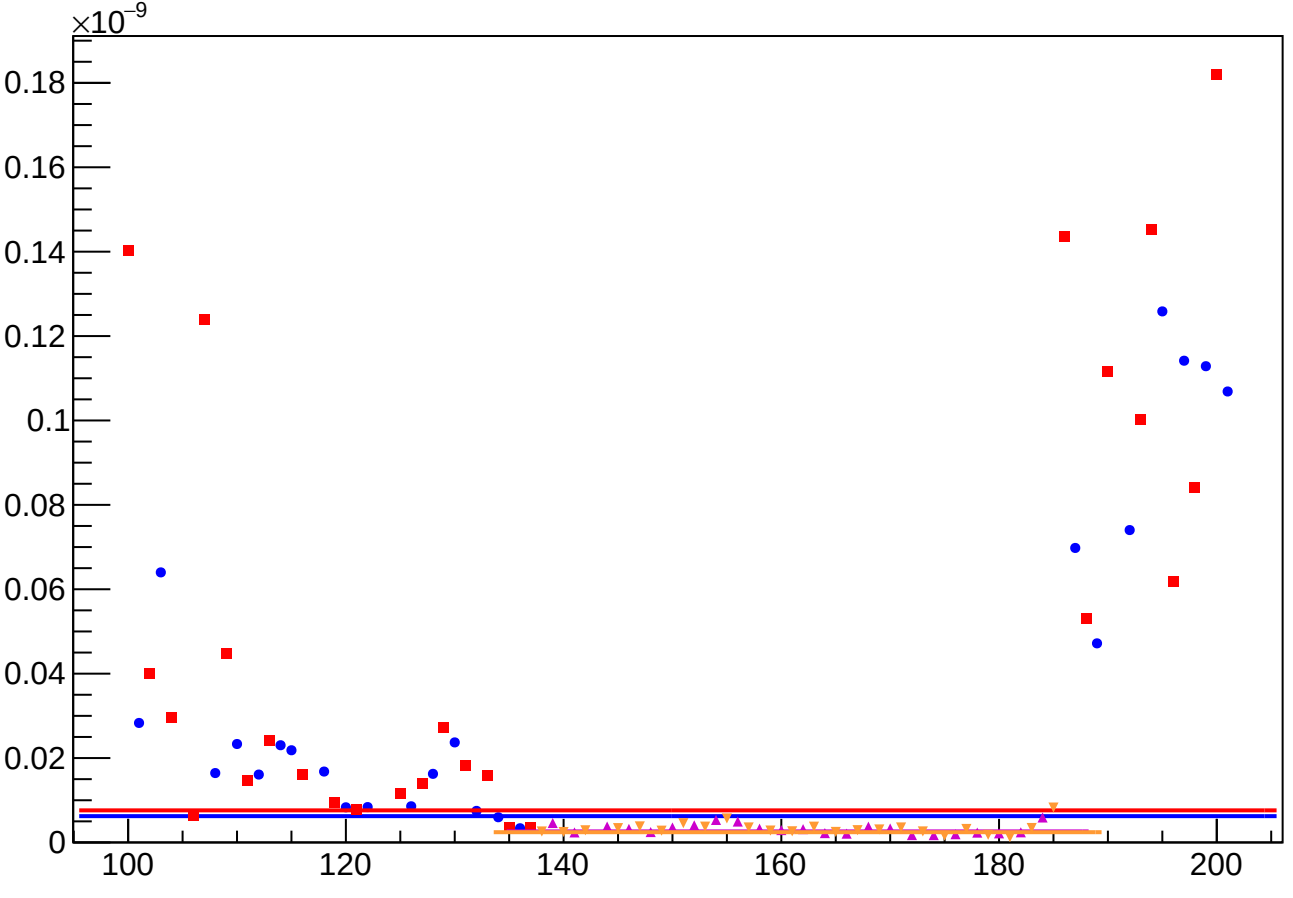
Right: -0.000+/-0.000 χ^2/NDF: 49.7/48

In: -0.000+/-0.000 χ^2/NDF:37.8/45

Out: 0.000+/-0.000 χ^2/NDF:61.1/49

All: 0.000+/-0.000 χ^2/NDF: 102.1/95

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7879080.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9237484.1/25

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

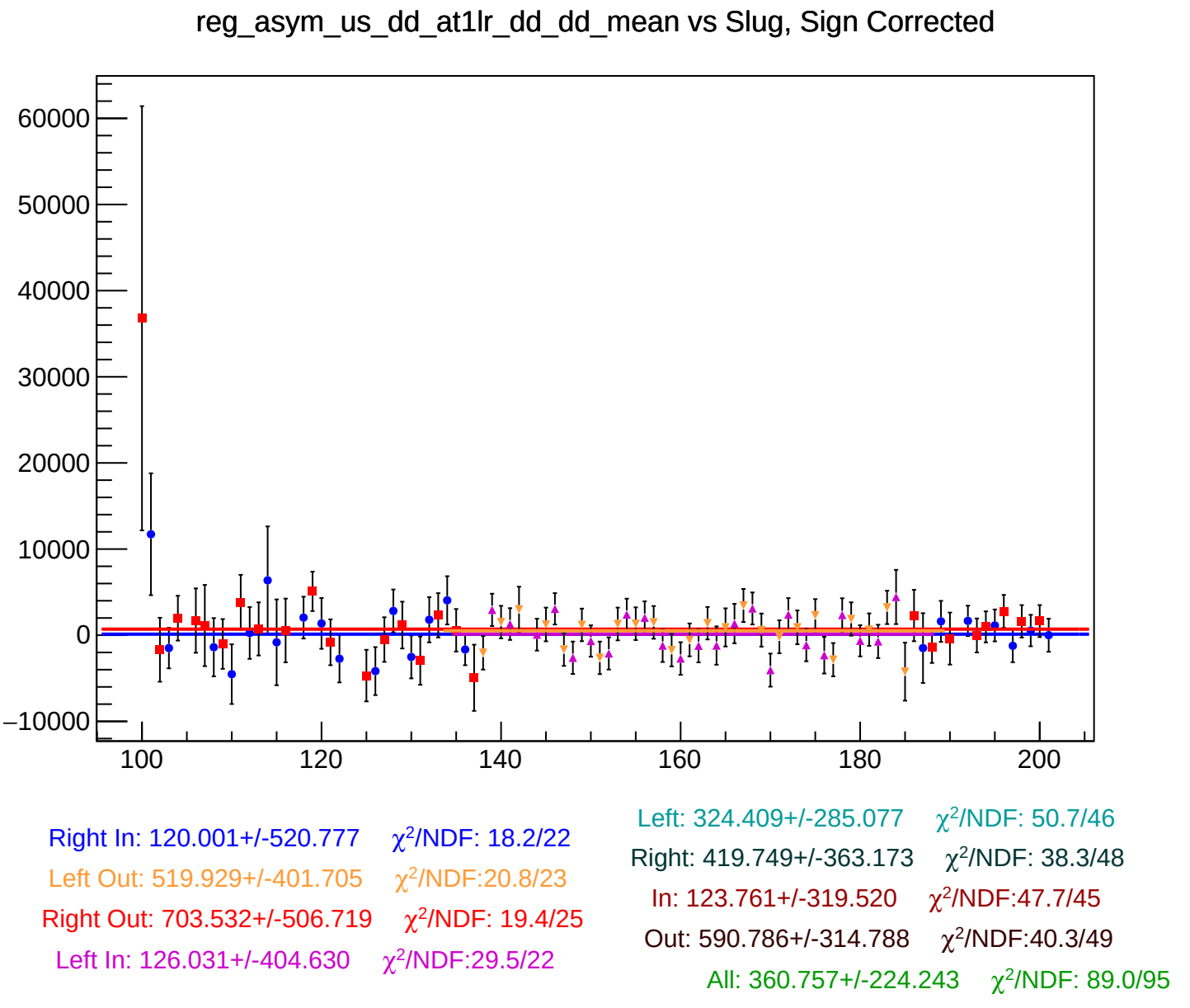
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

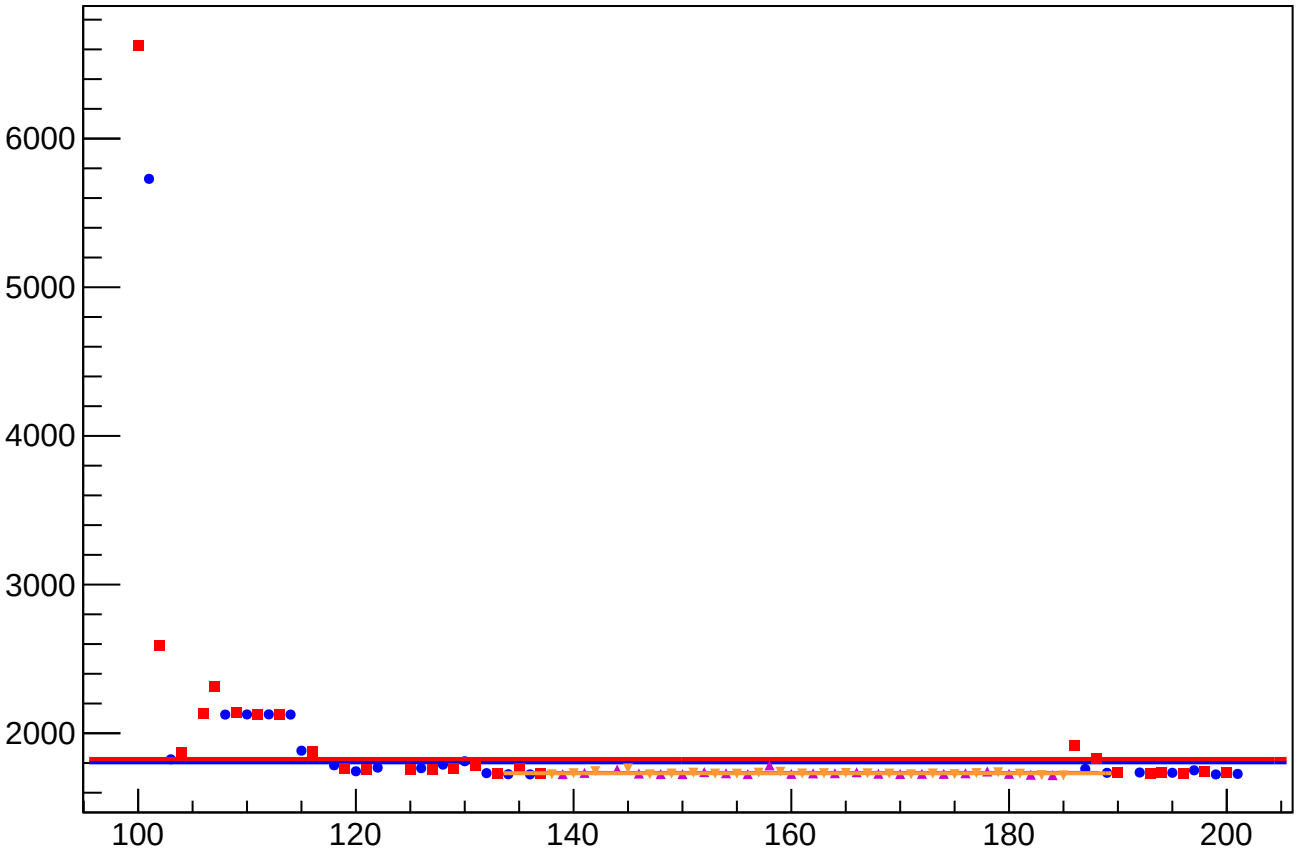
Right: 0.000+/-0.000 χ^2/NDF: 17216936.1/48

In: 0.000+/-0.000 χ^2/NDF:11458868.1/45

Out: 0.000+/-0.000 χ^2/NDF:14366373.3/49

All: 0.000+/-0.000 χ^2/NDF: 25888859.7/95


reg_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 120.001+/-520.777 χ²/NDF: 18.2/22
Left Out: 519.929+/-401.705 χ²/NDF:20.8/23
Right Out: 703.532+/-506.719 χ²/NDF: 19.4/25
Left In: 126.031+/-404.630 χ²/NDF:29.5/22
Left: 324.409+/-285.077 χ²/NDF: 50.7/46
Right: 419.749+/-363.173 χ²/NDF: 38.3/48
In: 123.761+/-319.520 χ²/NDF:47.7/45
Out: 590.786+/-314.788 χ²/NDF:40.3/49
All: 360.757+/-224.243 χ²/NDF: 89.0/95



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: 1827.052+/-0.358 χ^2/NDF: 296950.2/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

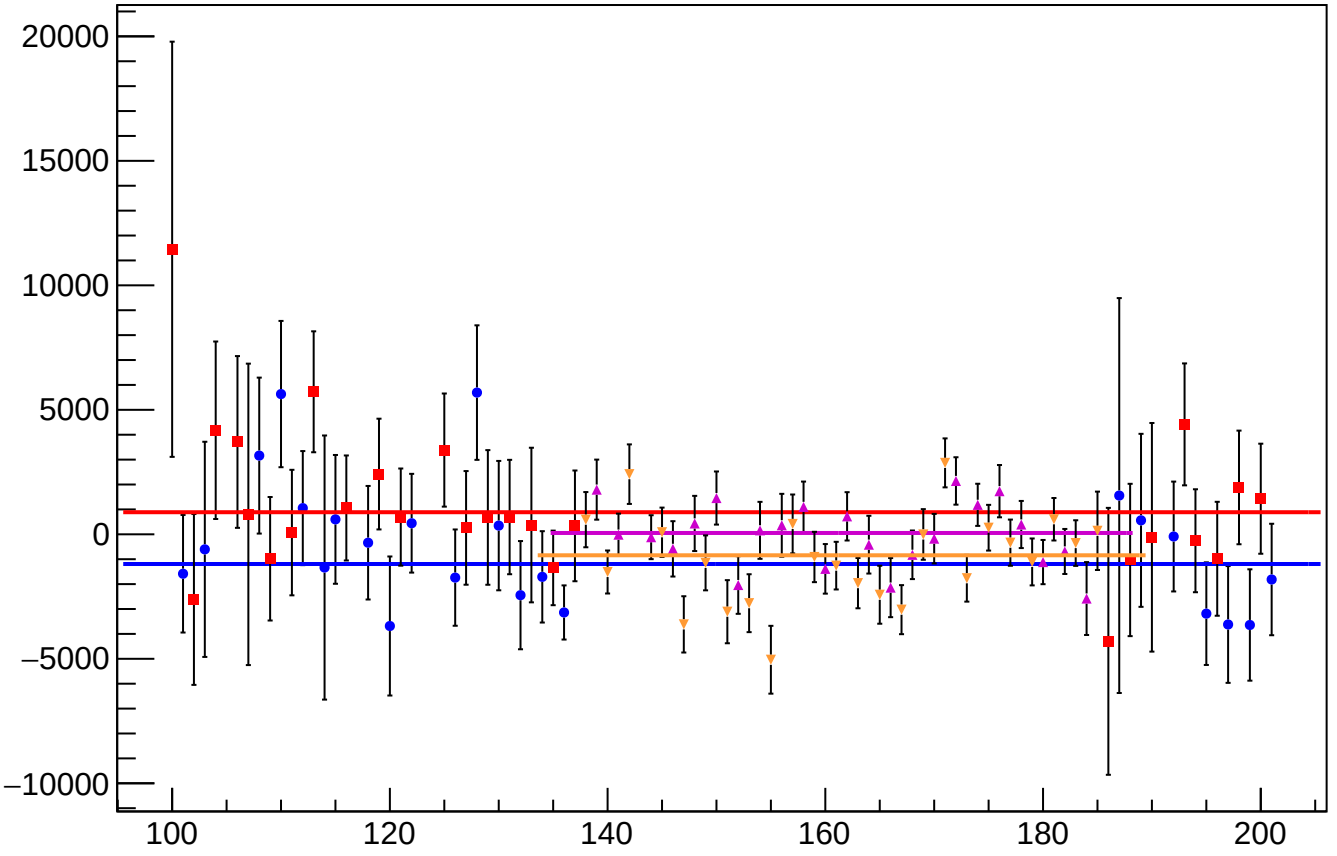
Right: 1815.993+/-0.257 χ^2/NDF: 1004235.0/48

In: 1759.848+/-0.226 χ^2/NDF:730942.0/45

Out: 1767.975+/-0.223 χ^2/NDF:342190.7/49

All: 1763.972+/-0.159 χ^2/NDF: 1073789.3/95

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: 887.415+/-493.267 χ^2/NDF: 17.6/25

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

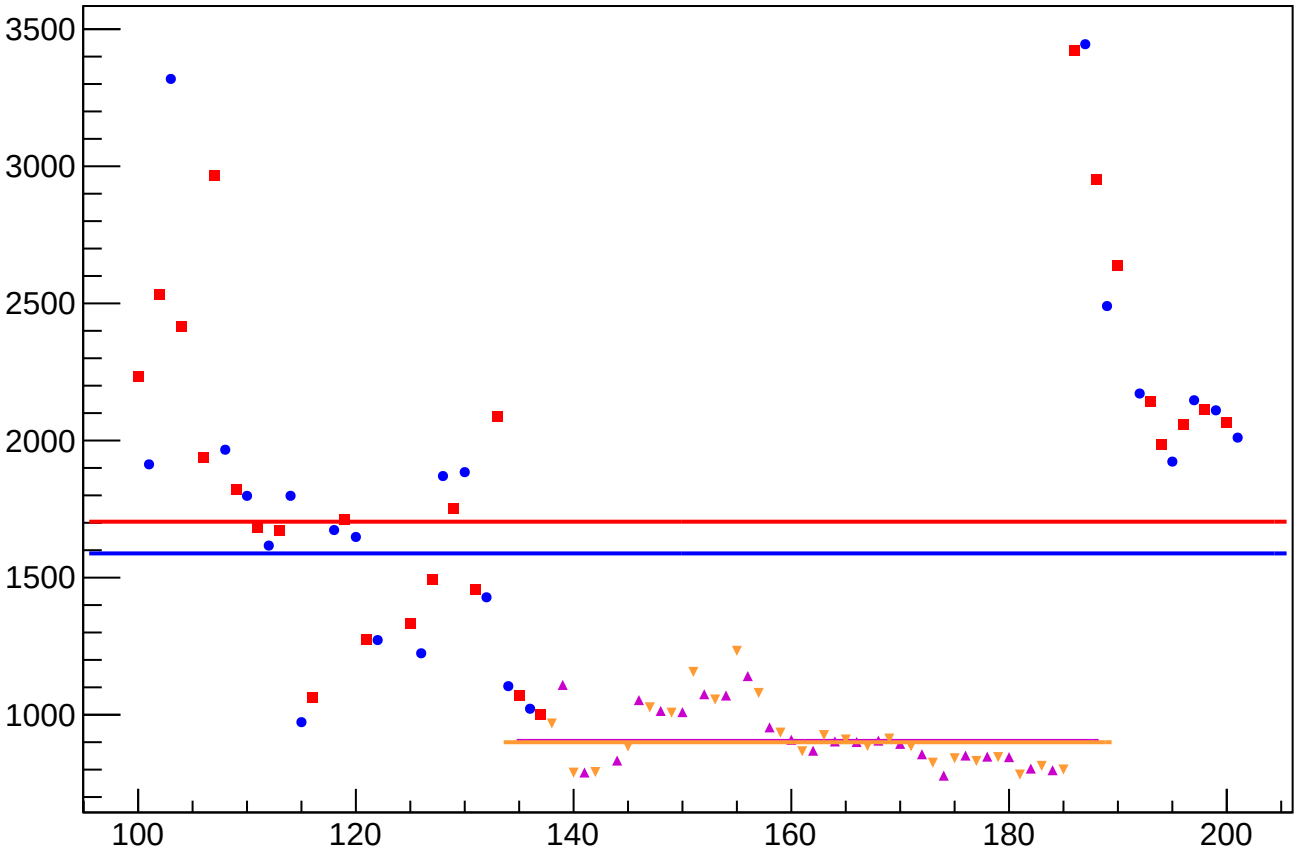
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: -191.514+/-342.206 χ^2/NDF: 51.7/48

In: -154.624+/-194.338 χ^2/NDF:61.3/45

Out: -575.186+/-193.882 χ^2/NDF:90.7/49

All: -365.400+/-137.256 χ^2/NDF: 154.3/95



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: 1704.019+/-0.349 χ^2/NDF: 2159253.2/25

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

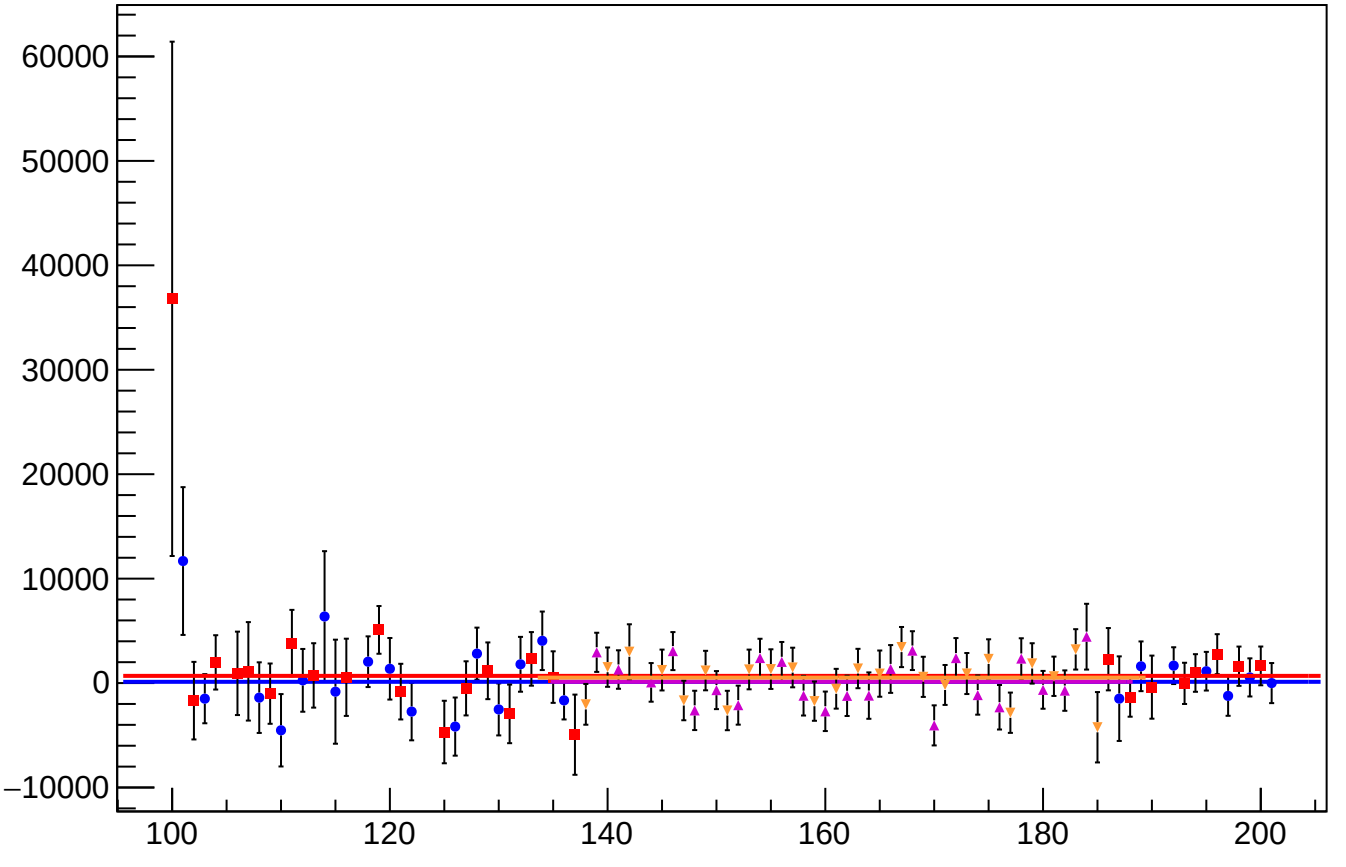
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1644.022+/-0.242 χ^2/NDF: 4326984.5/48

In: 1019.029+/-0.137 χ^2/NDF:6011145.1/45

Out: 1024.056+/-0.137 χ^2/NDF:7149482.6/49

All: 1021.548+/-0.097 χ^2/NDF: 13161298.6/9



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: 689.127+/-507.304 χ^2/NDF: 19.3/25

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

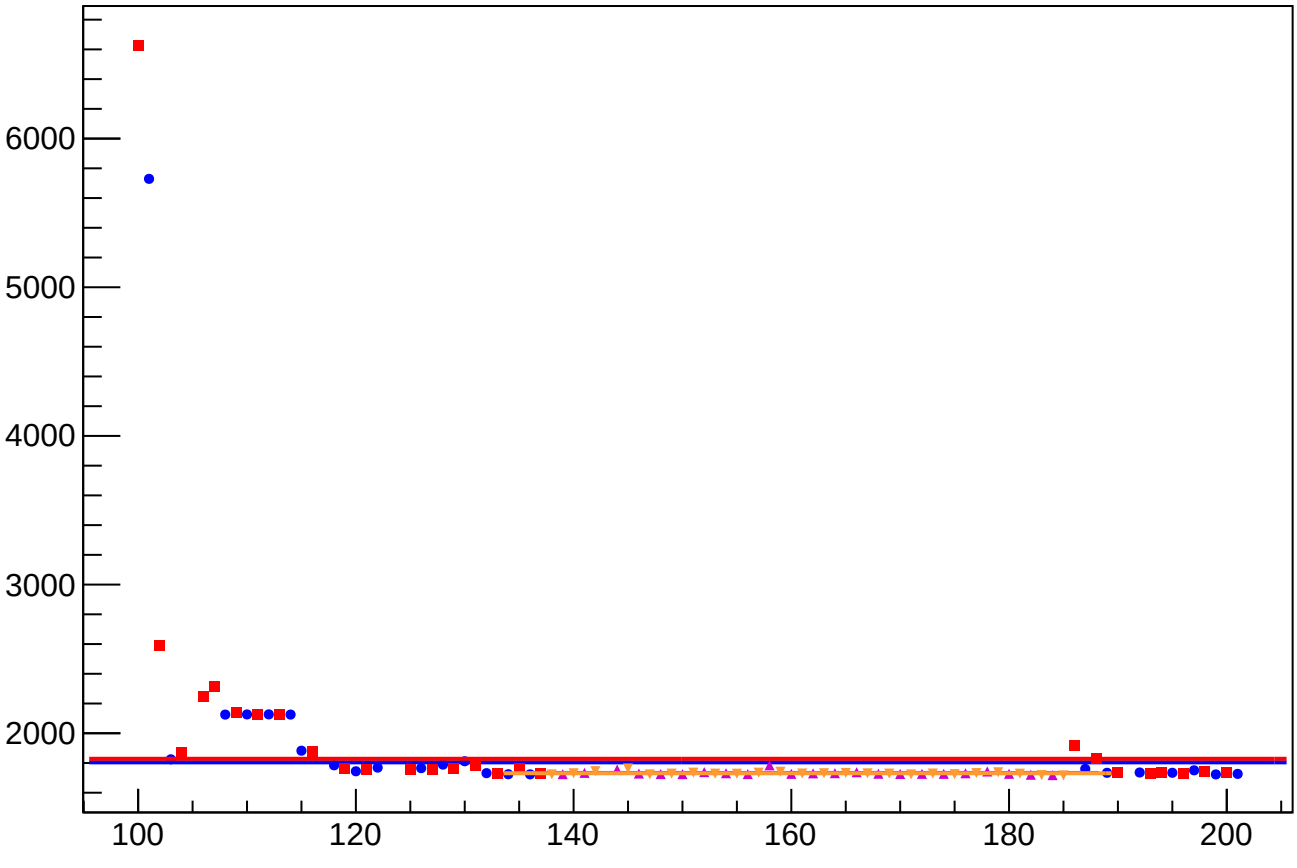
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 411.819+/-363.388 χ^2/NDF: 38.2/48

In: 123.643+/-319.520 χ^2/NDF:47.7/45

Out: 585.151+/-314.928 χ^2/NDF:40.2/49

All: 357.737+/-224.294 χ^2/NDF: 88.9/95



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: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

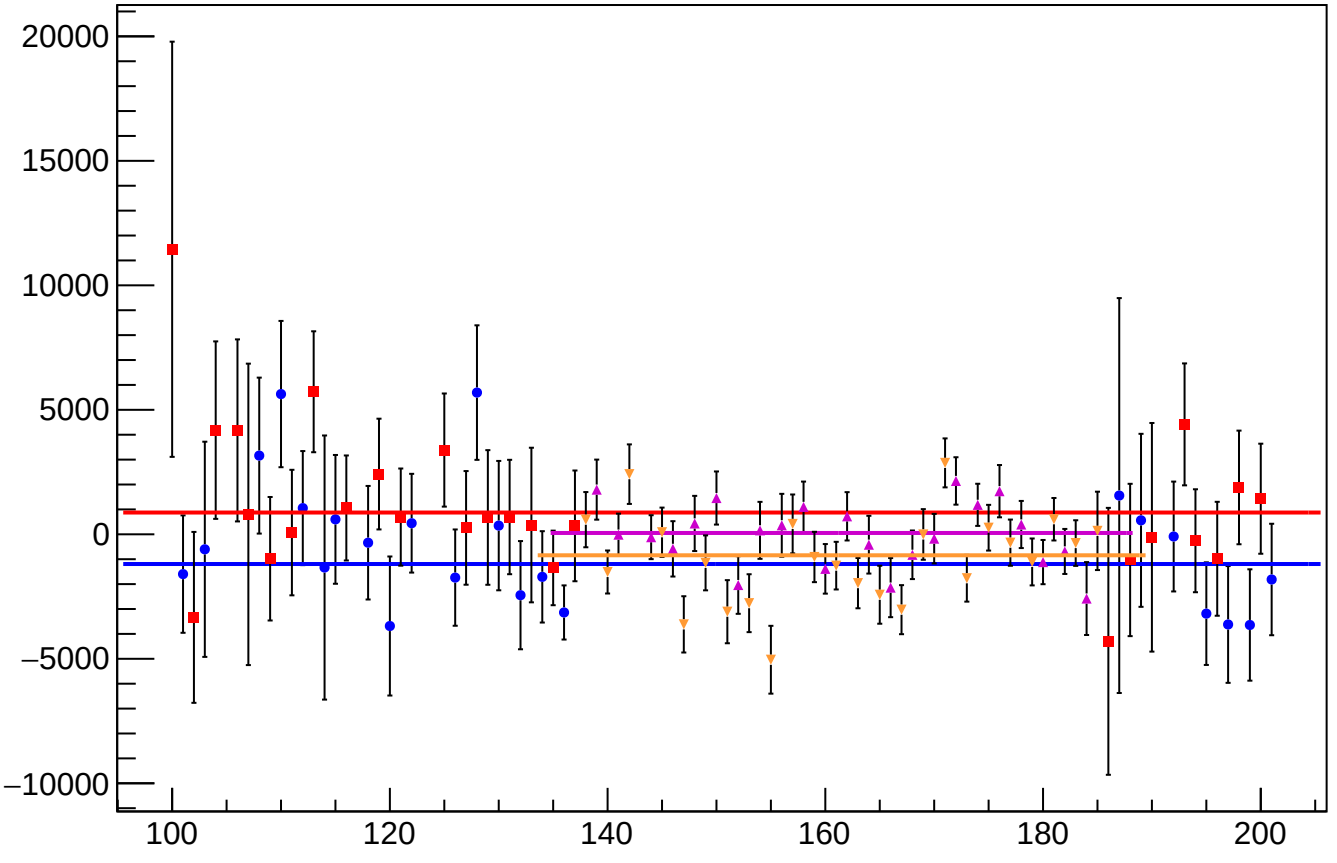
Right: 1816.583+/-0.257 χ^2/NDF: 1013397.1/48

In: 1759.848+/-0.226 χ^2/NDF:730941.9/45

Out: 1768.376+/-0.223 χ^2/NDF:352172.6/49

All: 1764.174+/-0.159 χ^2/NDF: 1083837.1/95

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: 874.763+/-493.820 χ^2/NDF: 18.2/25

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

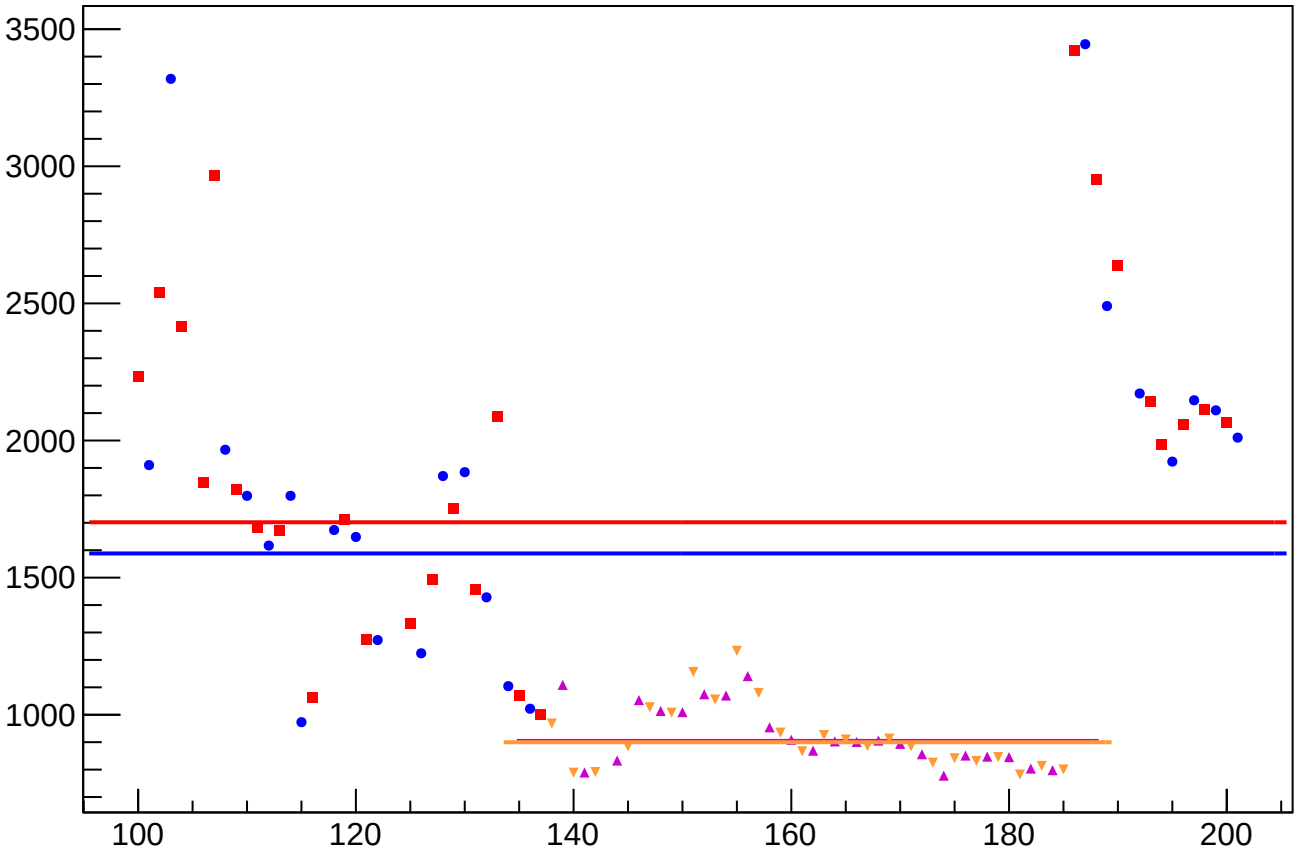
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -199.097+/-342.381 χ^2/NDF: 52.2/48

In: -154.713+/-194.336 χ^2/NDF:61.3/45

Out: -577.673+/-193.916 χ^2/NDF:91.1/49

All: -366.651+/-137.267 χ^2/NDF: 154.8/95



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: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

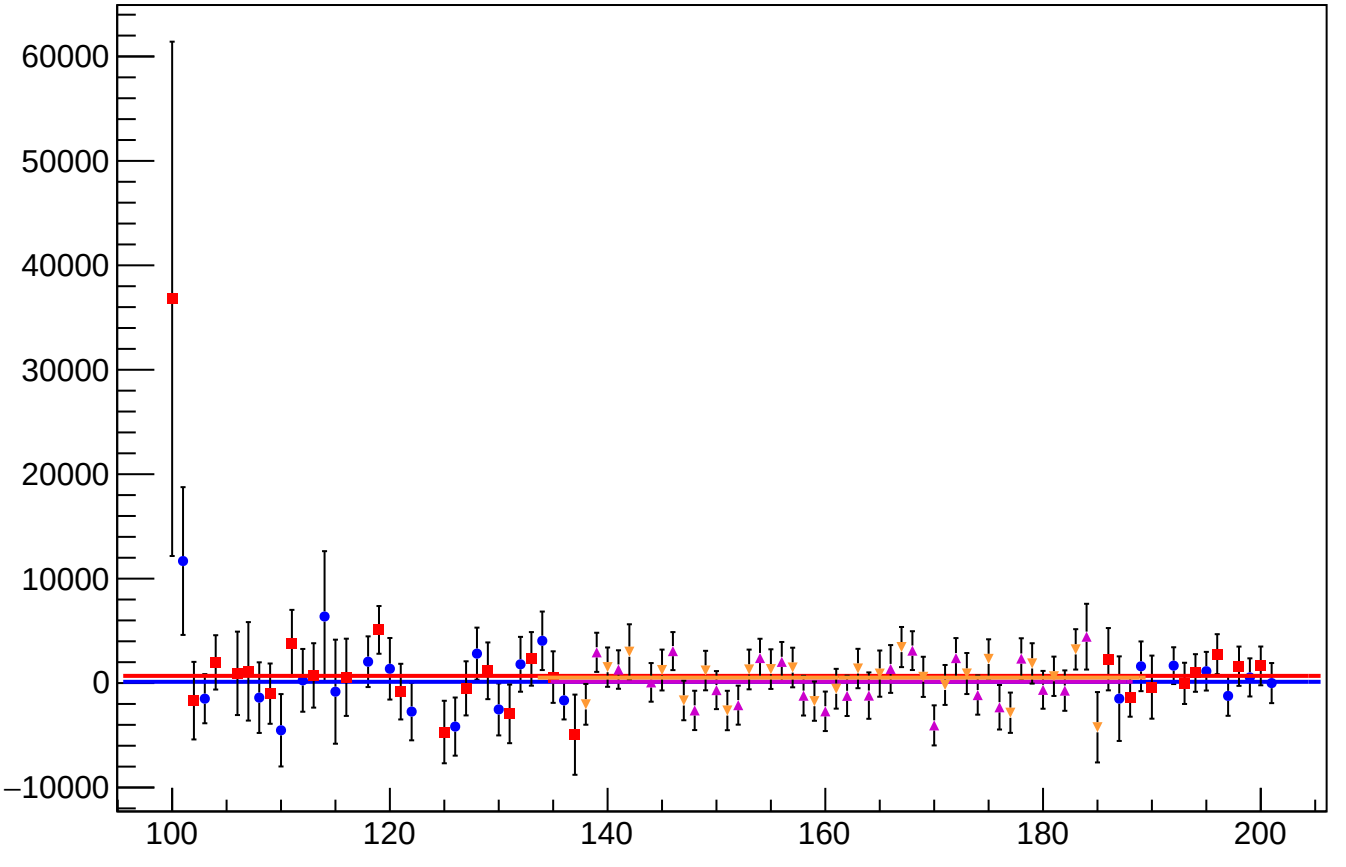
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1642.881+/-0.242 χ^2/NDF: 4319794.1/48

In: 1019.023+/-0.137 χ^2/NDF:6010304.5/45

Out: 1023.493+/-0.137 χ^2/NDF:7112272.9/49

All: 1021.263+/-0.097 χ^2/NDF: 13123107.5/9



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: 689.127+/-507.304 χ^2/NDF: 19.3/25

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

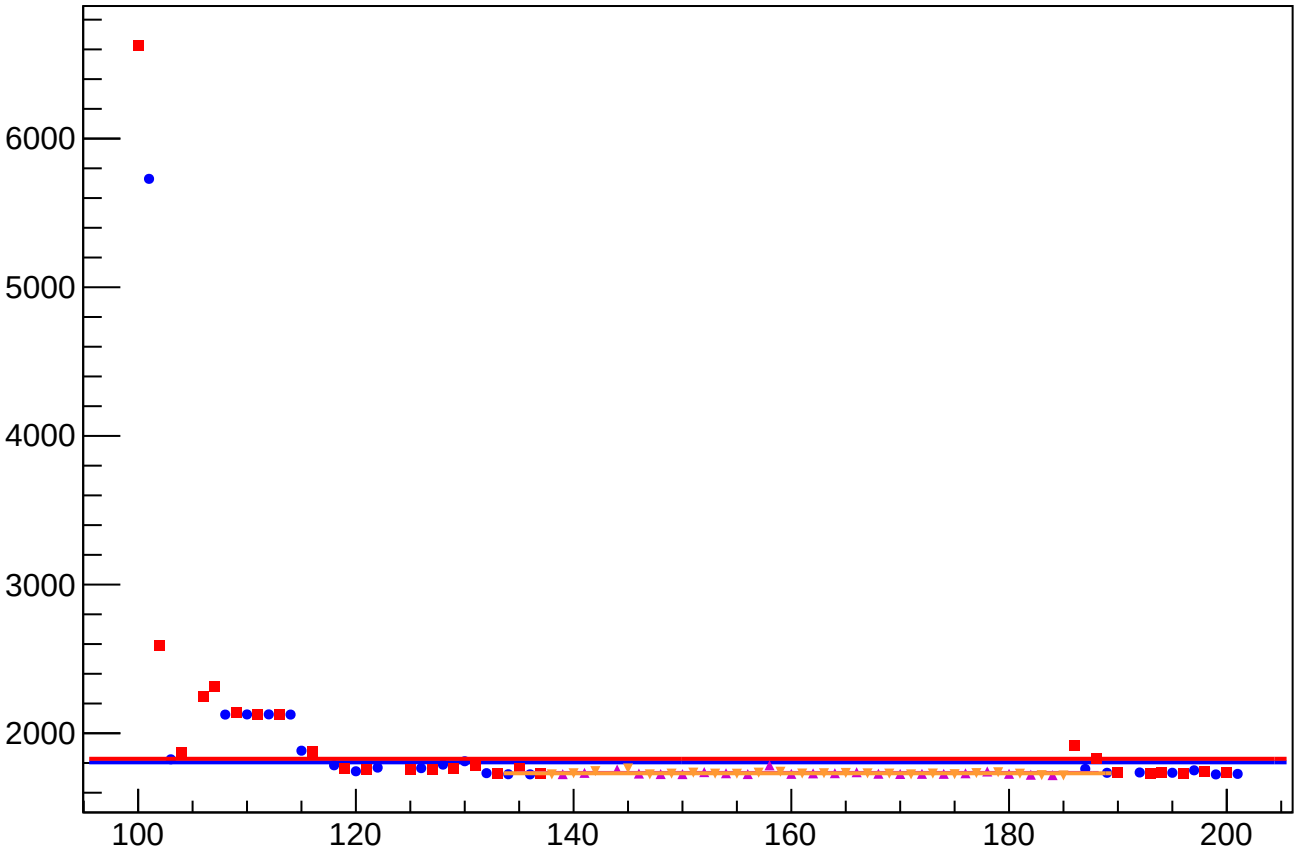
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 411.819+/-363.388 χ^2/NDF: 38.2/48

In: 123.643+/-319.520 χ^2/NDF:47.7/45

Out: 585.151+/-314.928 χ^2/NDF:40.2/49

All: 357.737+/-224.294 χ^2/NDF: 88.9/95



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: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

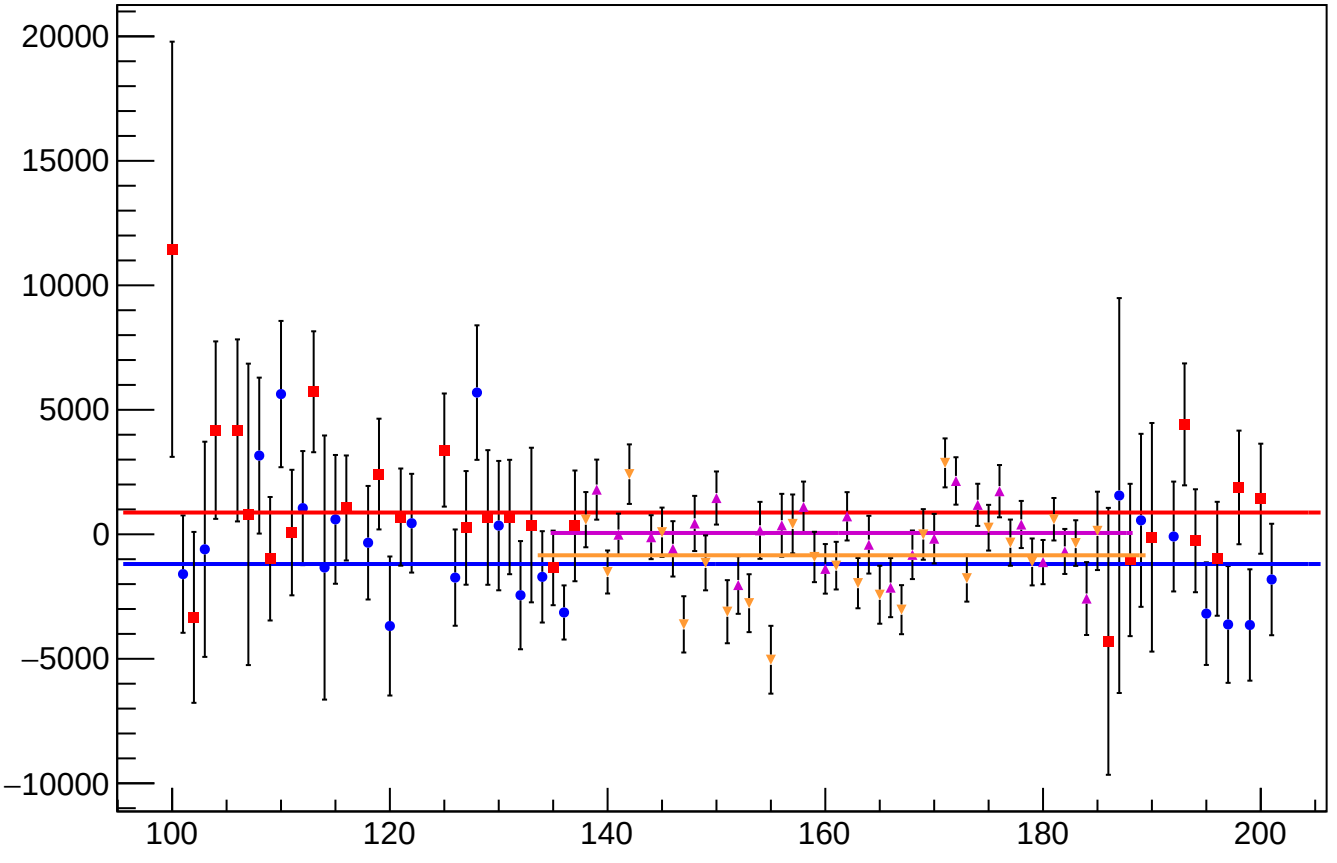
Right: 1816.583+/-0.257 χ^2/NDF: 1013397.1/48

In: 1759.848+/-0.226 χ^2/NDF:730941.9/45

Out: 1768.376+/-0.223 χ^2/NDF:352172.6/49

All: 1764.174+/-0.159 χ^2/NDF: 1083837.1/95

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: 874.763+/-493.820 χ^2/NDF: 18.2/25

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

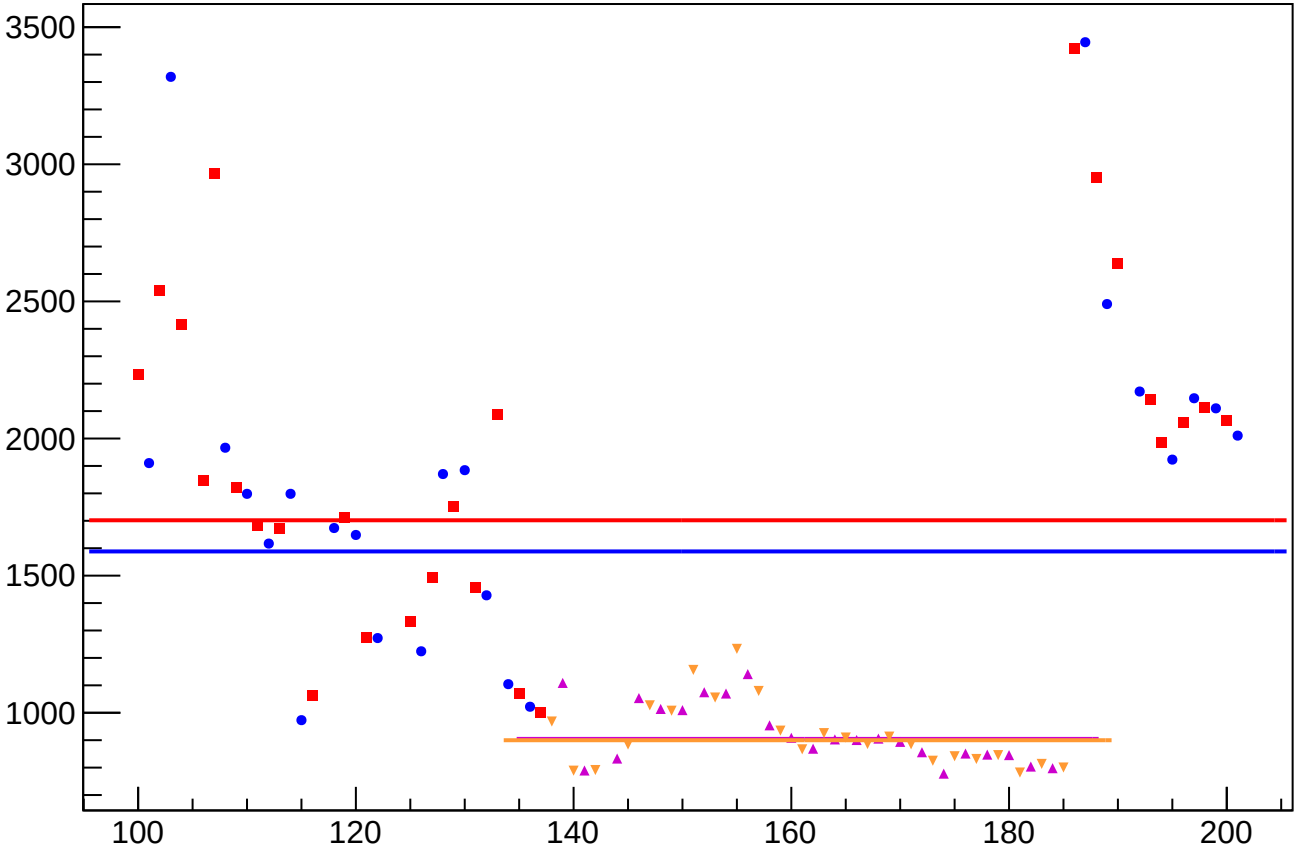
Right: -199.097+/-342.381 χ^2/NDF: 52.2/48

In: -154.713+/-194.336 χ^2/NDF:61.3/45

Out: -577.673+/-193.916 χ^2/NDF:91.1/49

All: -366.651+/-137.267 χ^2/NDF: 154.8/95

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

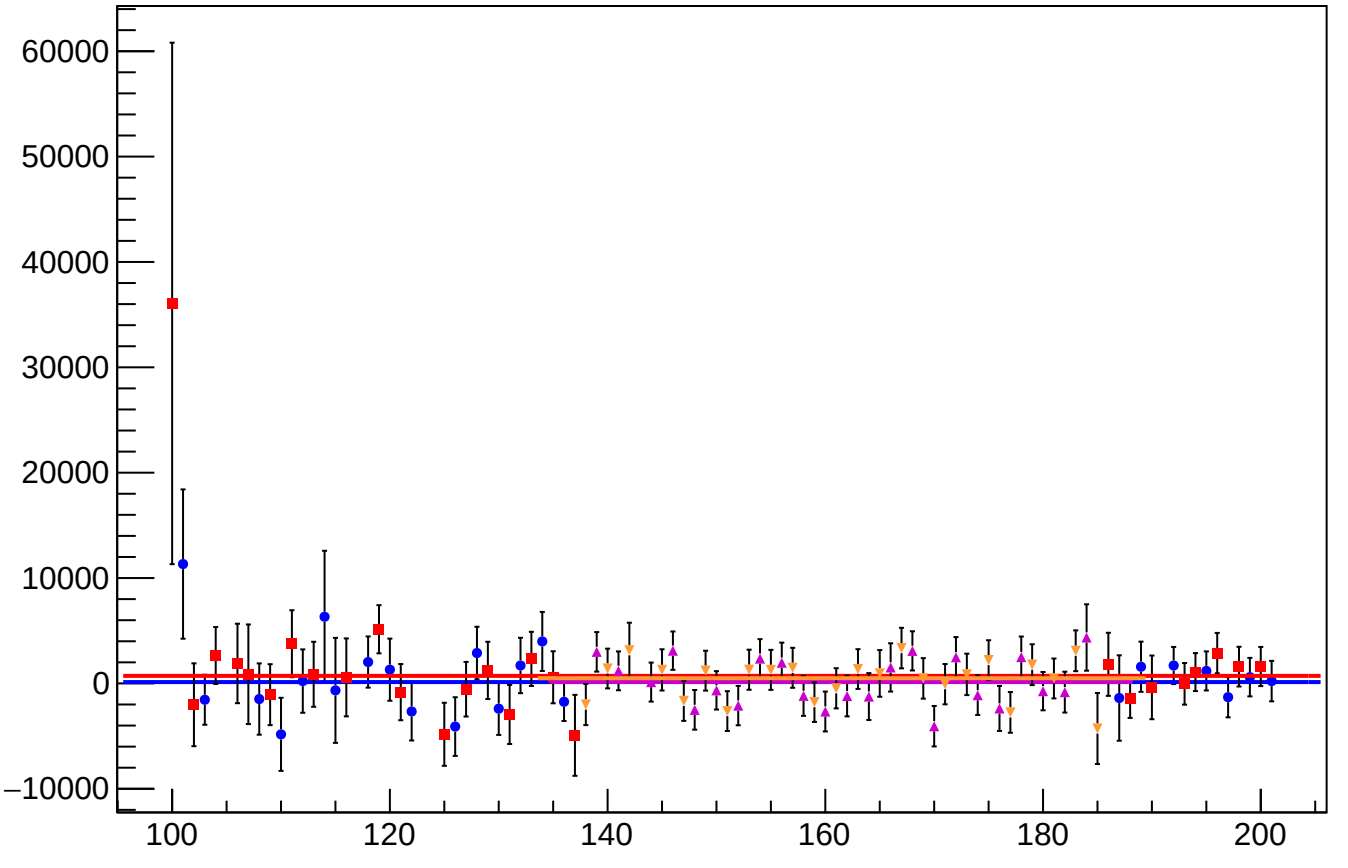
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1642.881+/-0.242 χ^2/NDF: 4319794.1/48

In: 1019.023+/-0.137 χ^2/NDF:6010304.5/45

Out: 1023.493+/-0.137 χ^2/NDF:7112272.9/49

All: 1021.263+/-0.097 χ^2/NDF: 13123107.5/9



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: 716.485+/-508.483 χ^2/NDF: 19.9/25

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

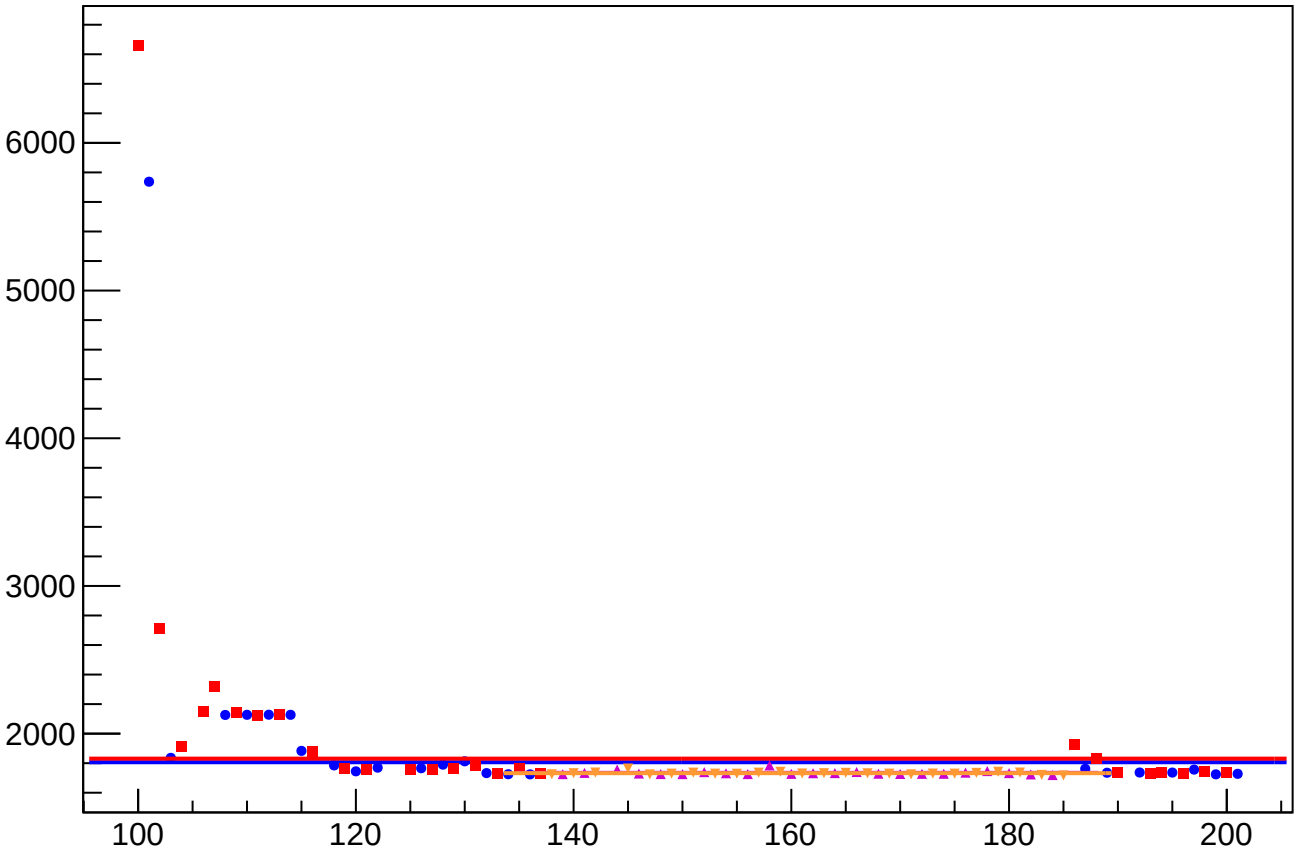
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 429.204+/-364.034 χ^2/NDF: 38.8/48

In: 133.391+/-319.844 χ^2/NDF:47.8/45

Out: 580.144+/-315.386 χ^2/NDF:40.1/49

All: 359.903+/-224.571 χ^2/NDF: 88.9/95



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: 1830.825+/-0.360 χ^2/NDF: 316314.3/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

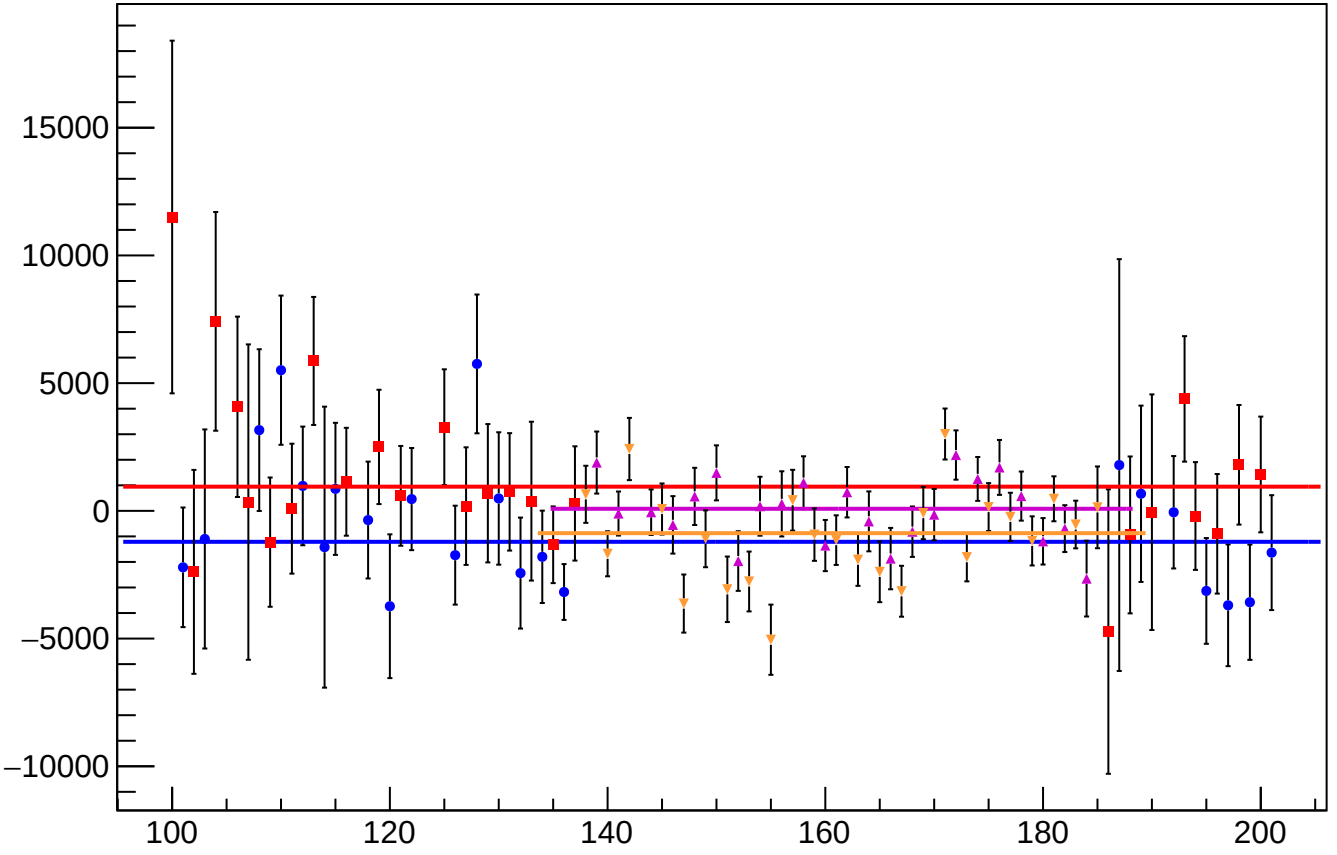
Right: 1818.873+/-0.257 χ^2/NDF: 1024114.4/48

In: 1761.563+/-0.226 χ^2/NDF:731362.0/45

Out: 1770.258+/-0.223 χ^2/NDF:363343.1/49

All: 1765.971+/-0.159 χ^2/NDF: 1095454.6/95

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1211.669+/-476.457 χ^2/NDF: 25.1/22

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 947.651+/-500.444 χ^2/NDF: 19.5/25

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

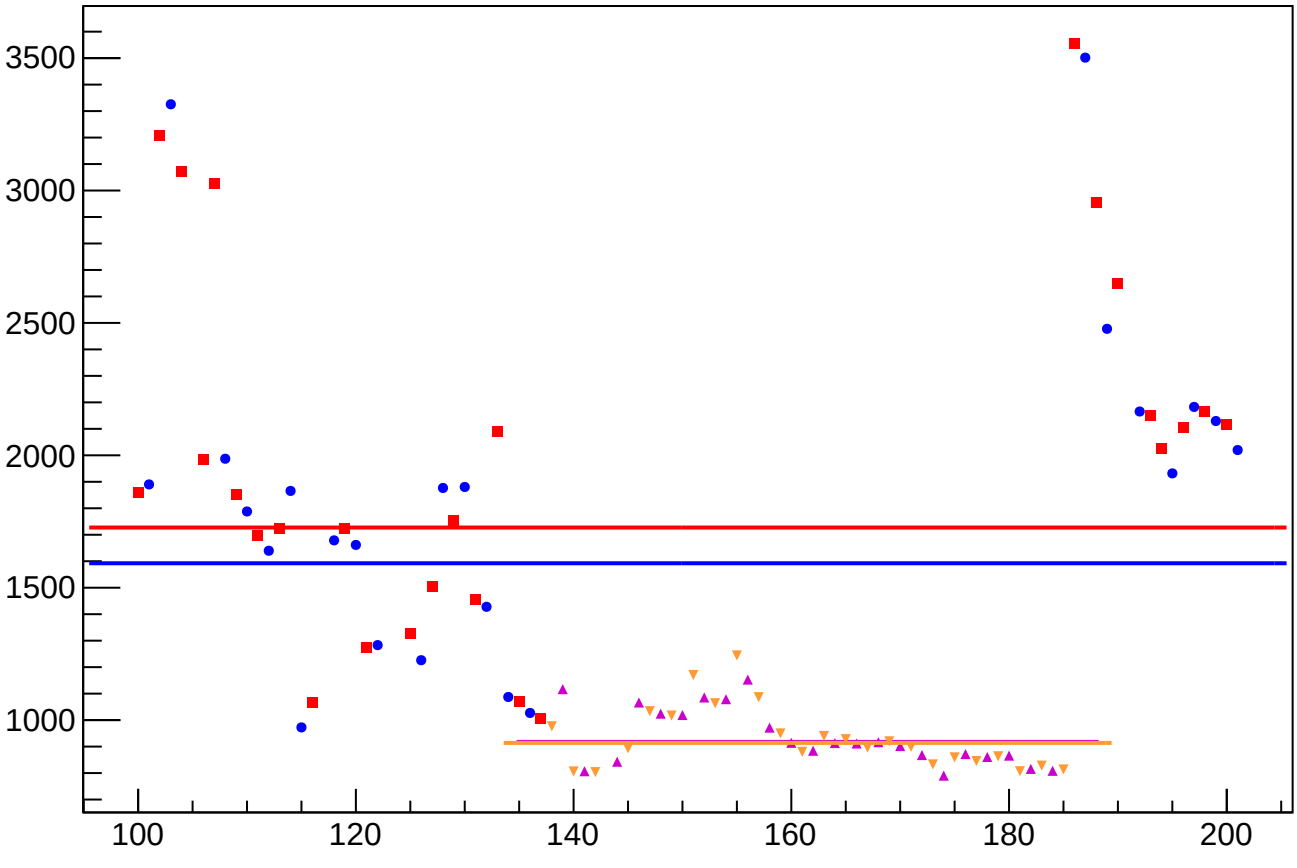
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -184.997+/-345.074 χ^2/NDF: 54.3/48

In: -138.802+/-196.662 χ^2/NDF:61.2/45

Out: -591.381+/-196.771 χ^2/NDF:92.6/49

All: -364.967+/-139.100 χ^2/NDF: 156.5/95



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: 1727.278+/-0.354 χ^2/NDF: 2503175.8/25

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

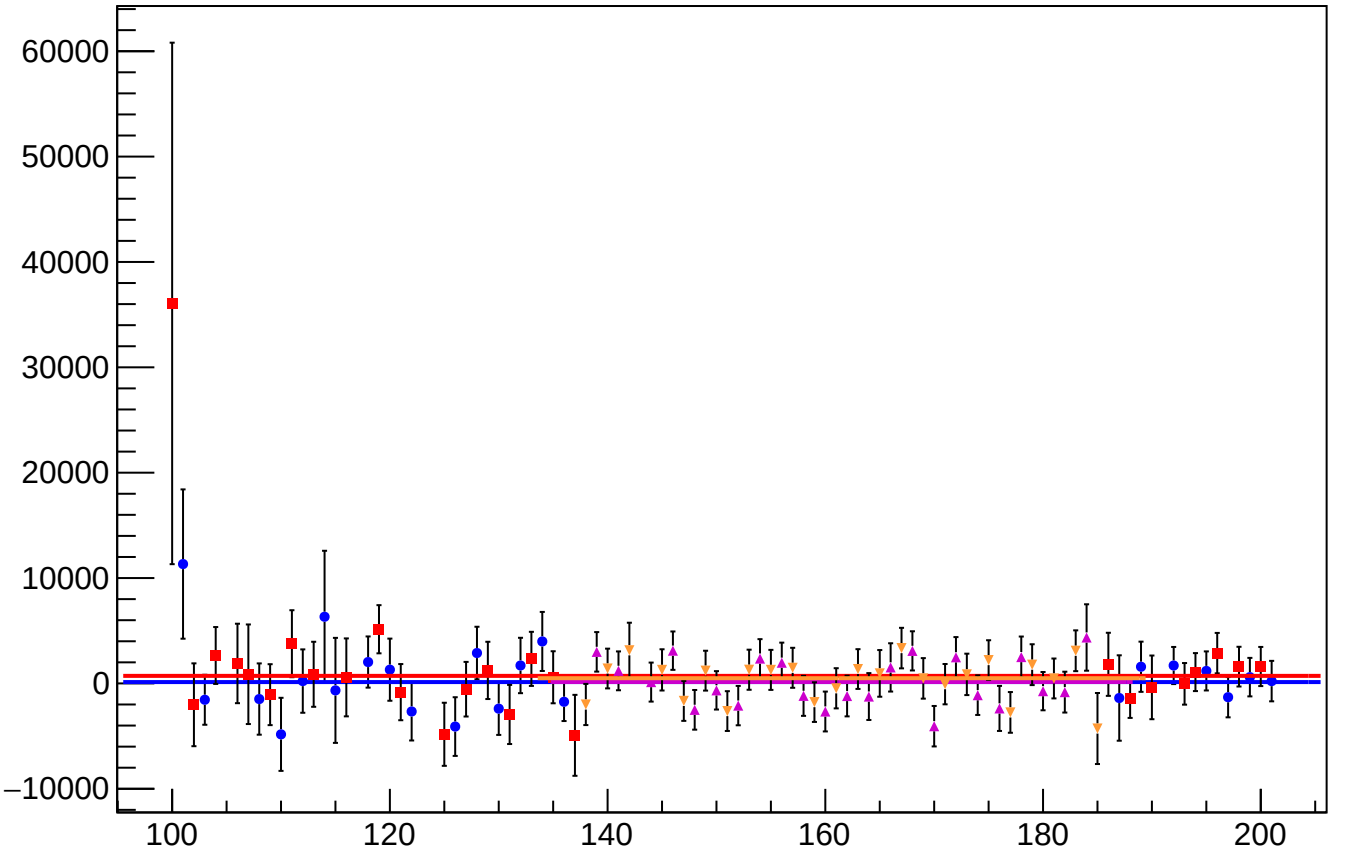
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1656.502+/-0.244 χ^2/NDF: 4713781.6/48

In: 1032.619+/-0.139 χ^2/NDF:5891860.3/45

Out: 1039.647+/-0.139 χ^2/NDF:7432535.6/49

All: 1036.131+/-0.098 χ^2/NDF: 13325672.4/9



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: 716.484+/-508.483 χ^2/NDF: 19.9/25

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

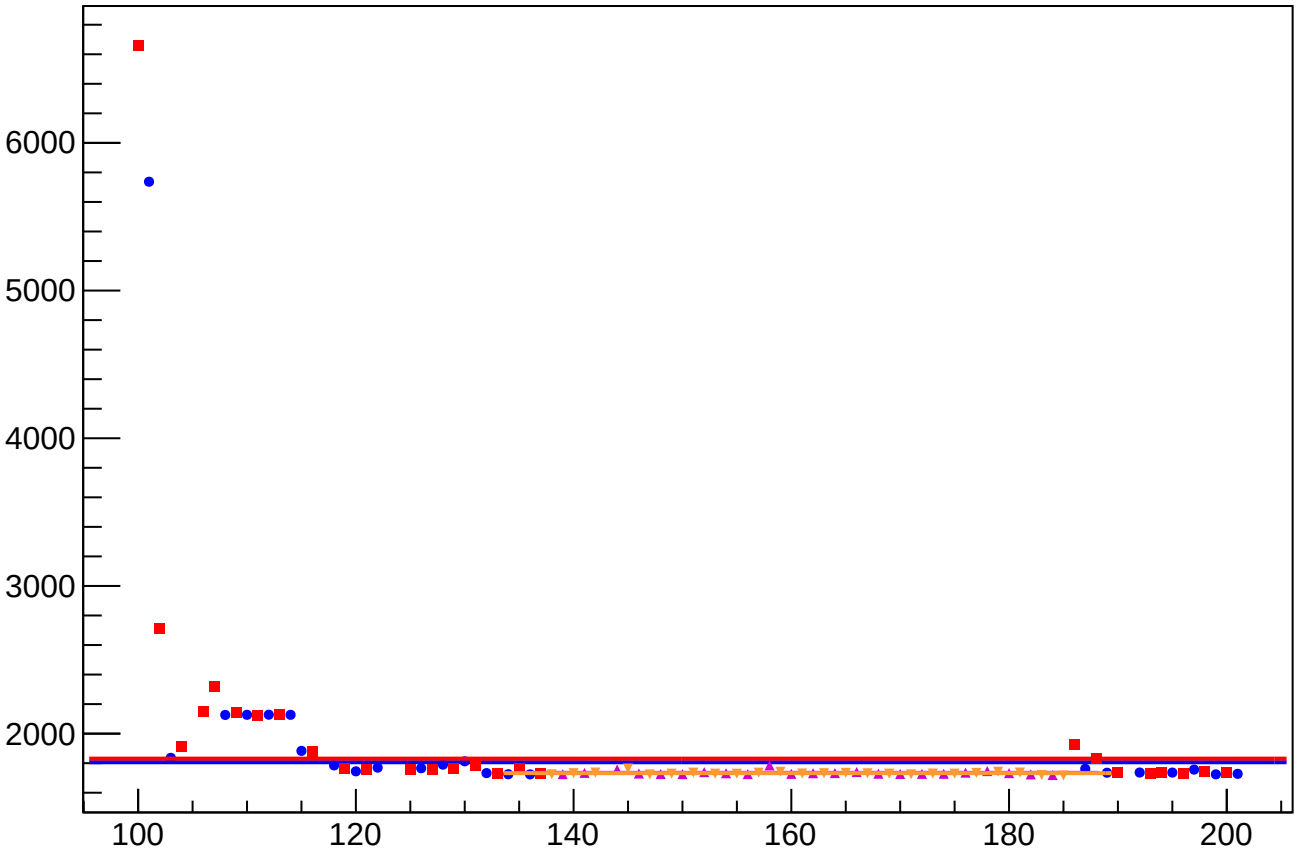
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 429.204+/-364.033 χ^2/NDF: 38.8/48

In: 133.392+/-319.844 χ^2/NDF:47.8/45

Out: 580.143+/-315.386 χ^2/NDF:40.1/49

All: 359.903+/-224.571 χ^2/NDF: 88.9/95



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: 1830.825+/-0.360 χ^2/NDF: 316314.0/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

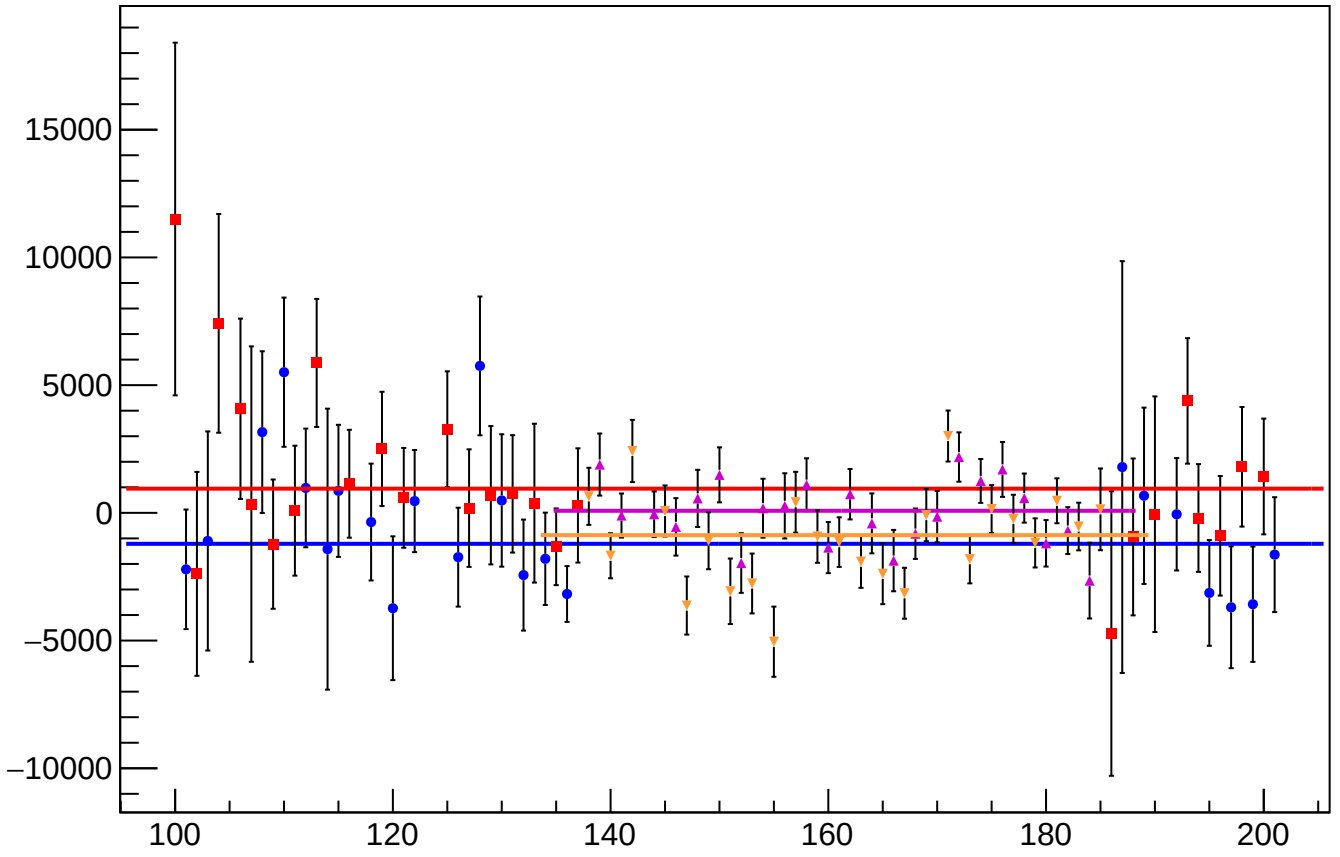
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1818.873+/-0.257 χ^2/NDF: 1024114.1/48

In: 1761.563+/-0.226 χ^2/NDF:731362.0/45

Out: 1770.258+/-0.223 χ^2/NDF:363342.8/49

All: 1765.971+/-0.159 χ^2/NDF: 1095454.3/95



Right In: -1211.664+/-476.456 χ^2/NDF: 25.1/22

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 947.651+/-500.443 χ^2/NDF: 19.5/25

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

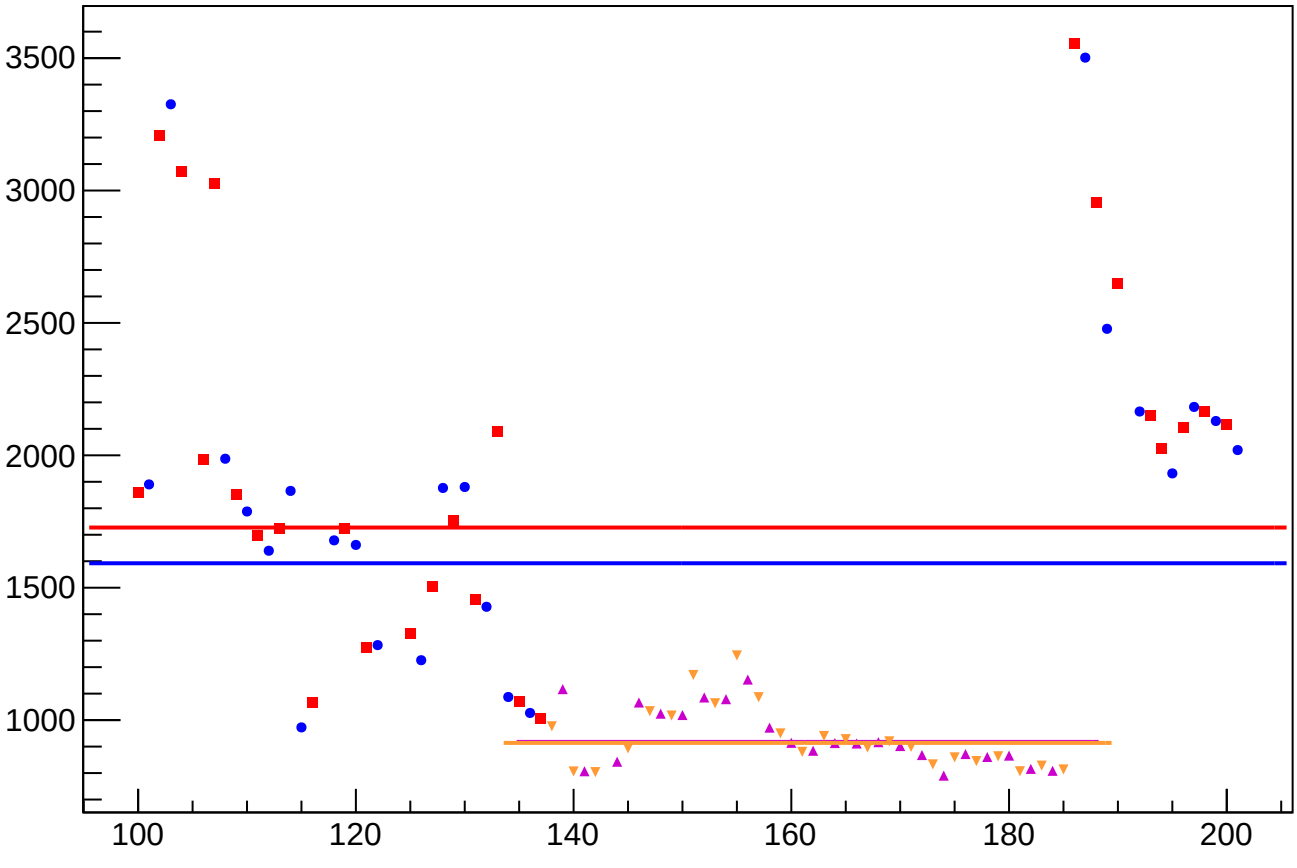
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -184.994+/-345.074 χ^2/NDF: 54.3/48

In: -138.803+/-196.662 χ^2/NDF:61.2/45

Out: -591.379+/-196.771 χ^2/NDF:92.6/49

All: -364.967+/-139.100 χ^2/NDF: 156.5/95



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: 1727.276+/-0.354 χ^2/NDF: 2503184.7/25

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

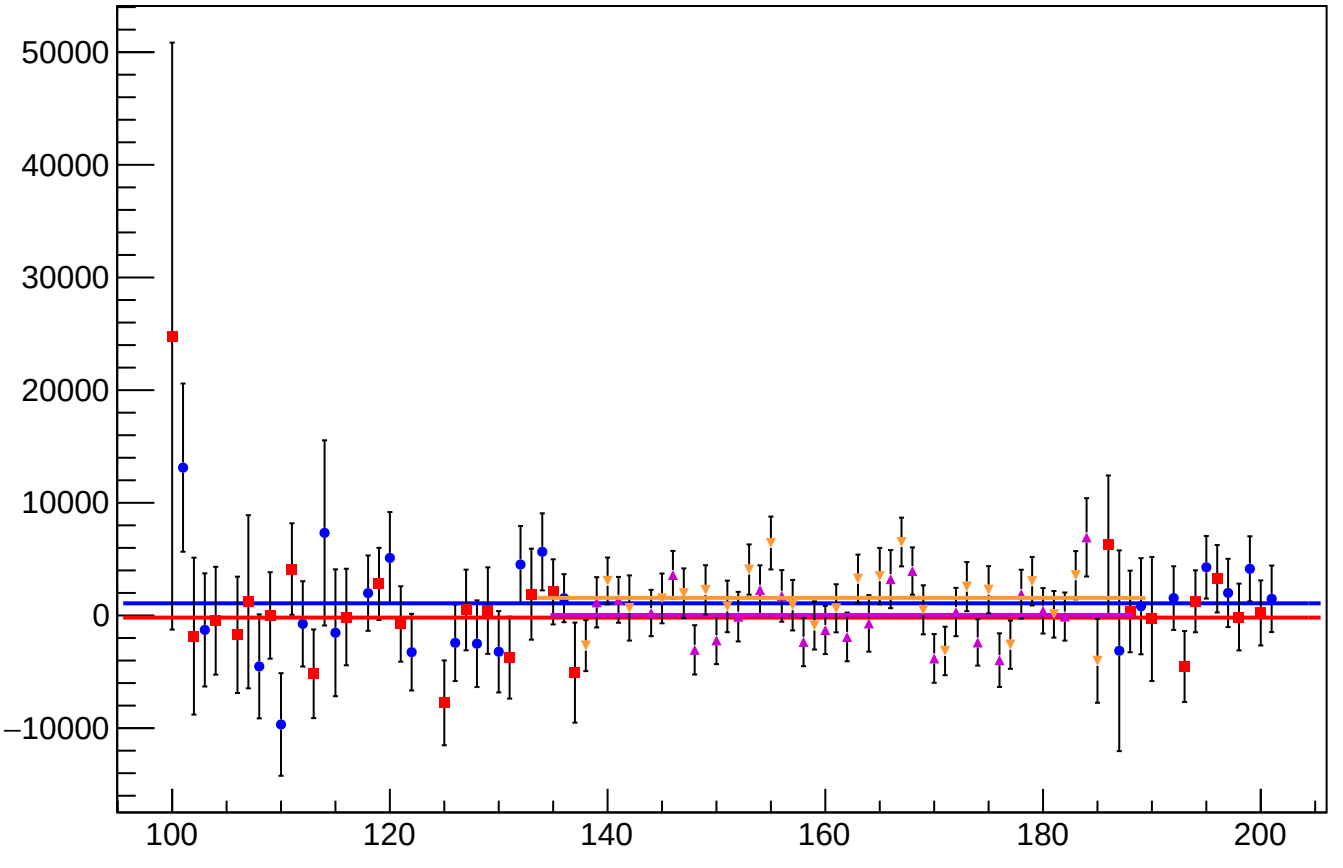
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1656.499+/-0.244 χ^2/NDF: 4713798.5/48

In: 1032.618+/-0.139 χ^2/NDF:5891862.4/45

Out: 1039.647+/-0.139 χ^2/NDF:7432539.4/49

All: 1036.131+/-0.098 χ^2/NDF: 13325678.5/9



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: -189.399+/-746.847 χ^2/NDF: 16.5/25

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

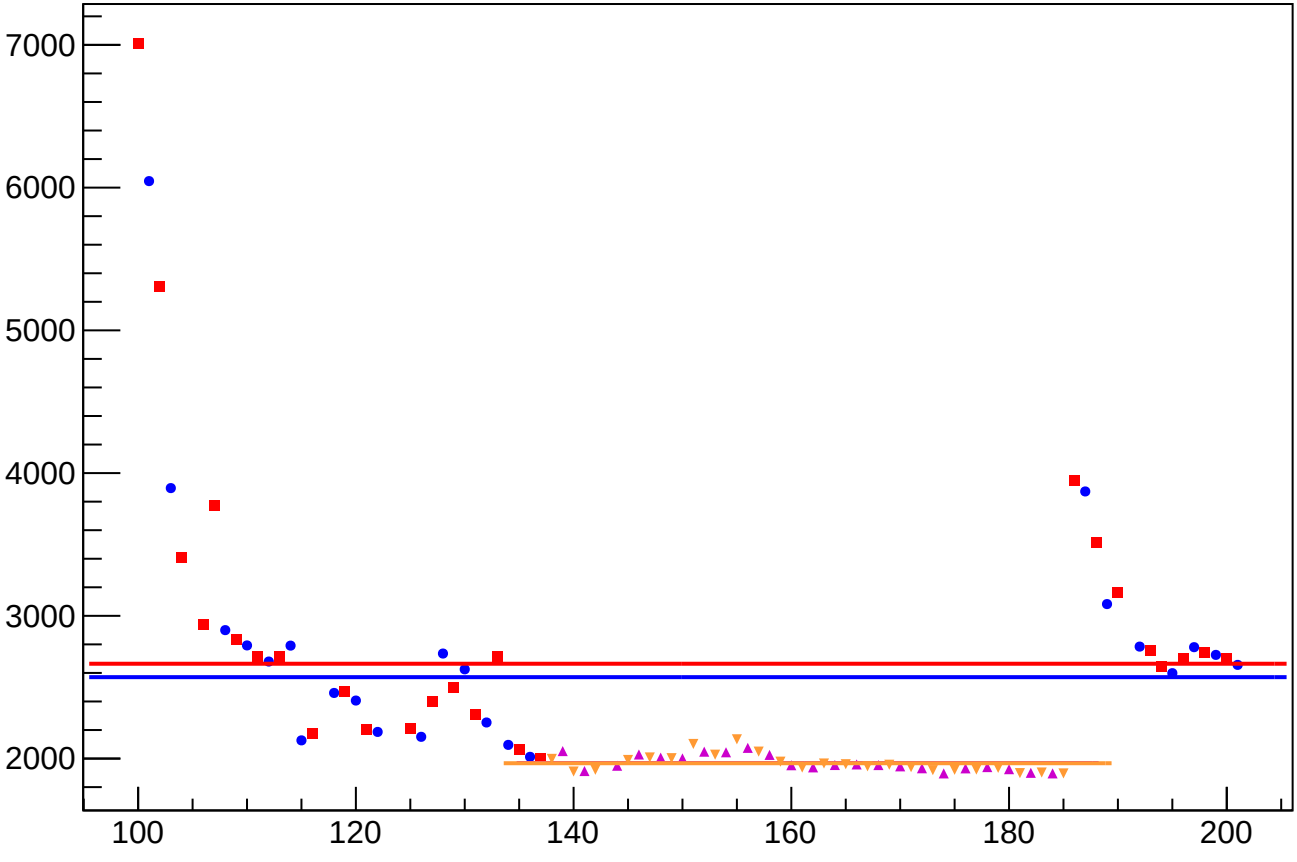
Right: 444.878+/-528.134 χ^2/NDF: 40.6/48

In: 325.647+/-391.644 χ^2/NDF:51.8/45

Out: 1084.585+/-389.739 χ^2/NDF:51.8/49

All: 706.966+/-276.258 χ^2/NDF: 105.5/95

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: 2664.371+/-0.528 χ^2/NDF: 926327.2/25

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

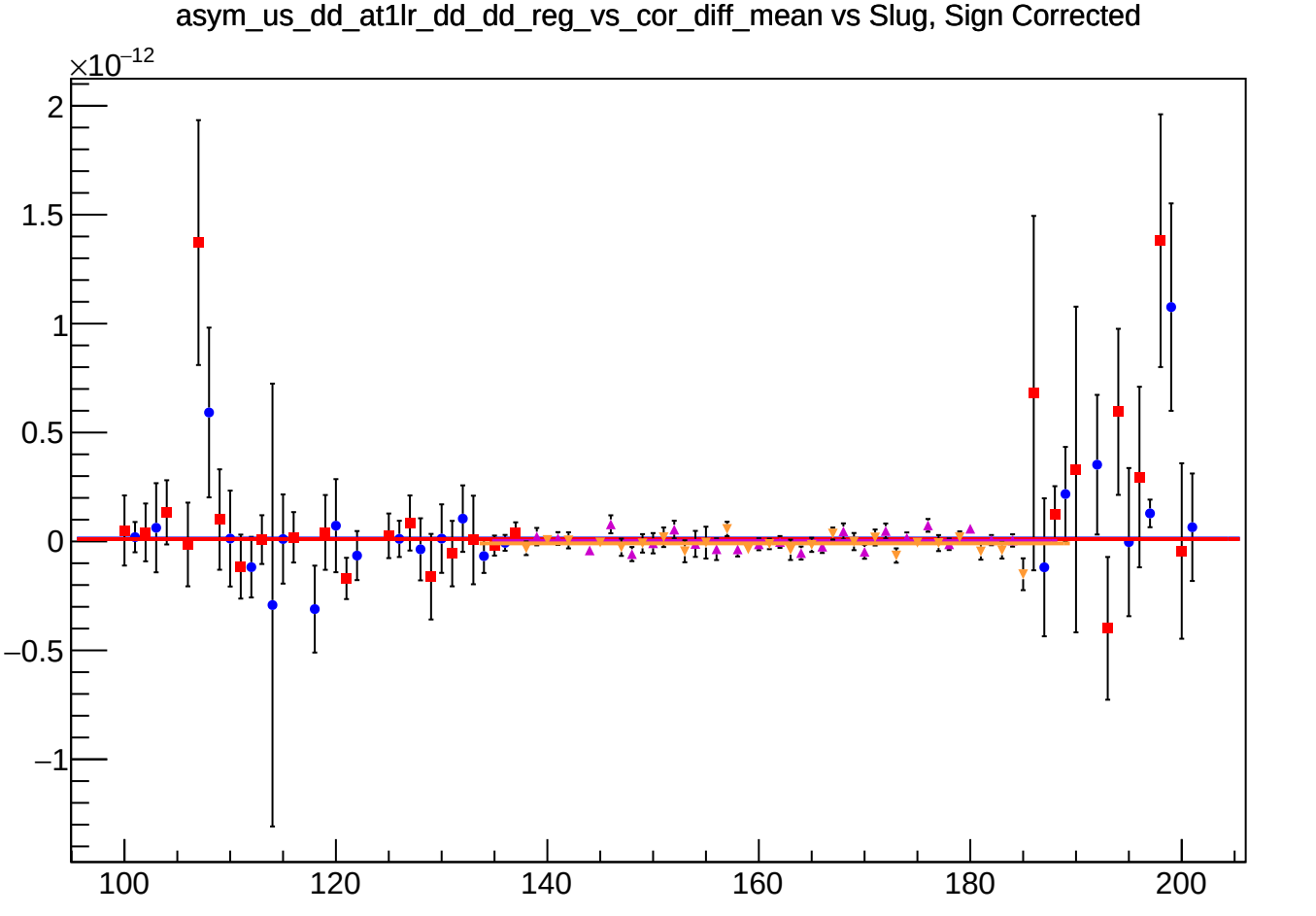
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2617.394+/-0.373 χ^2/NDF: 1903577.6/48

In: 2134.355+/-0.277 χ^2/NDF:1927980.6/45

Out: 2157.213+/-0.276 χ^2/NDF:2227954.5/49

All: 2145.840+/-0.195 χ^2/NDF: 4159358.1/95



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: 24.9/25

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

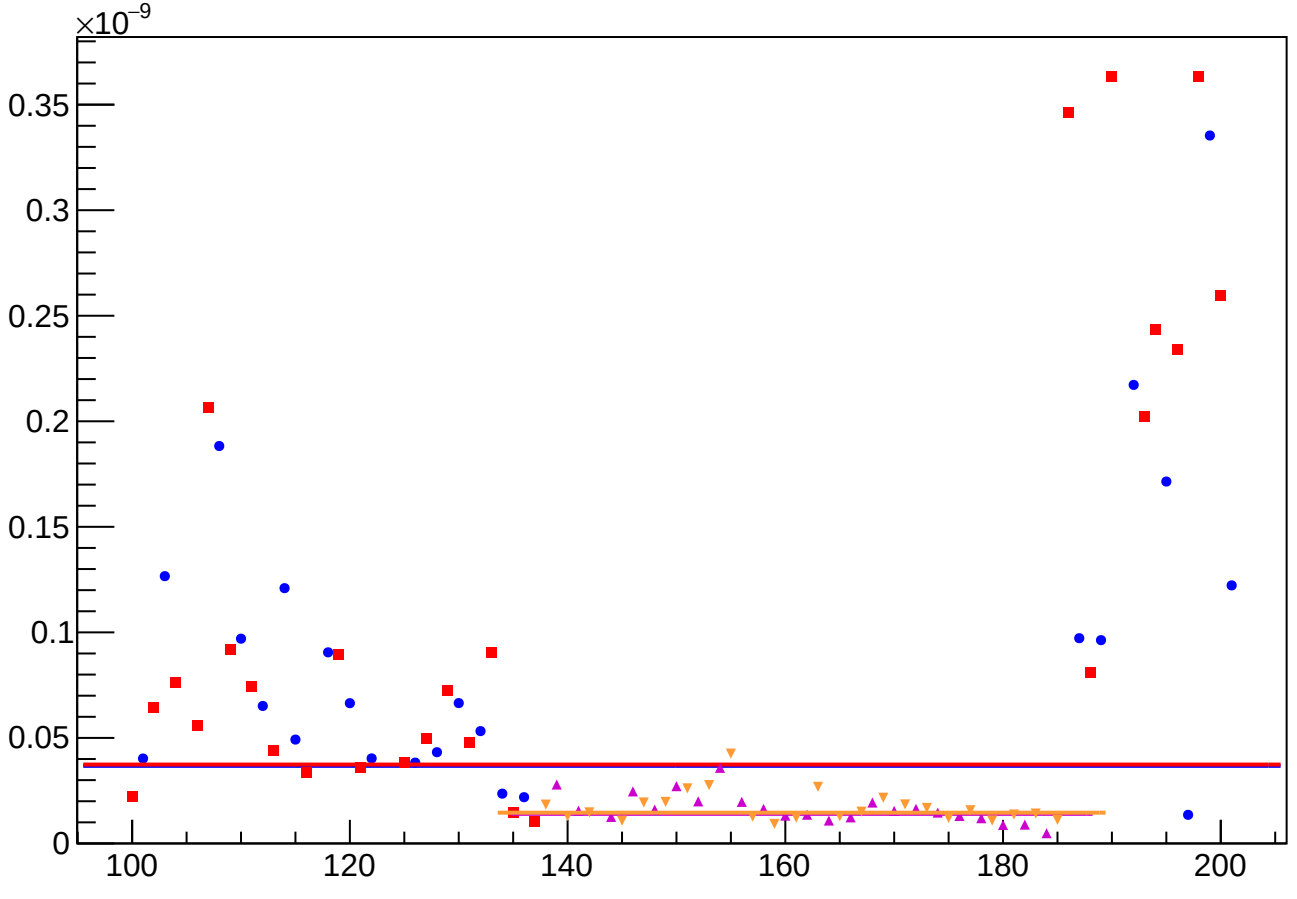
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 43.8/48

In: 0.000+/-0.000 χ^2/NDF:58.0/45

Out: -0.000+/-0.000 χ^2/NDF:46.3/49

All: -0.000+/-0.000 χ^2/NDF: 105.8/95



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: 5866315.0/25

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

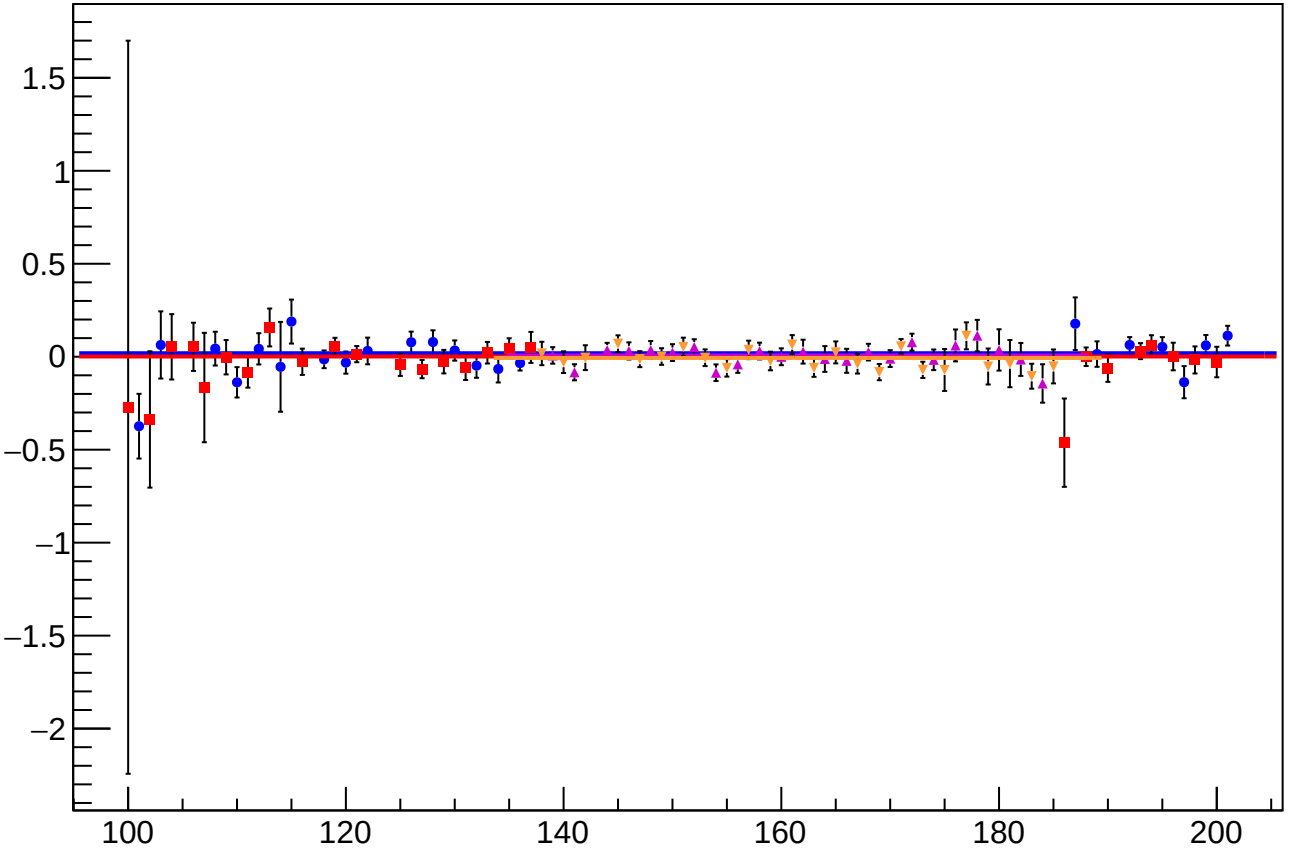
Right: 0.000+/-0.000 χ^2/NDF: 9957589.9/48

In: 0.000+/-0.000 χ^2/NDF:7419749.3/45

Out: 0.000+/-0.000 χ^2/NDF:8764822.4/49

All: 0.000+/-0.000 χ^2/NDF: 16190182.7/95

asym_us_dd_at1lr_dd_dd_dit_vs_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: 0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

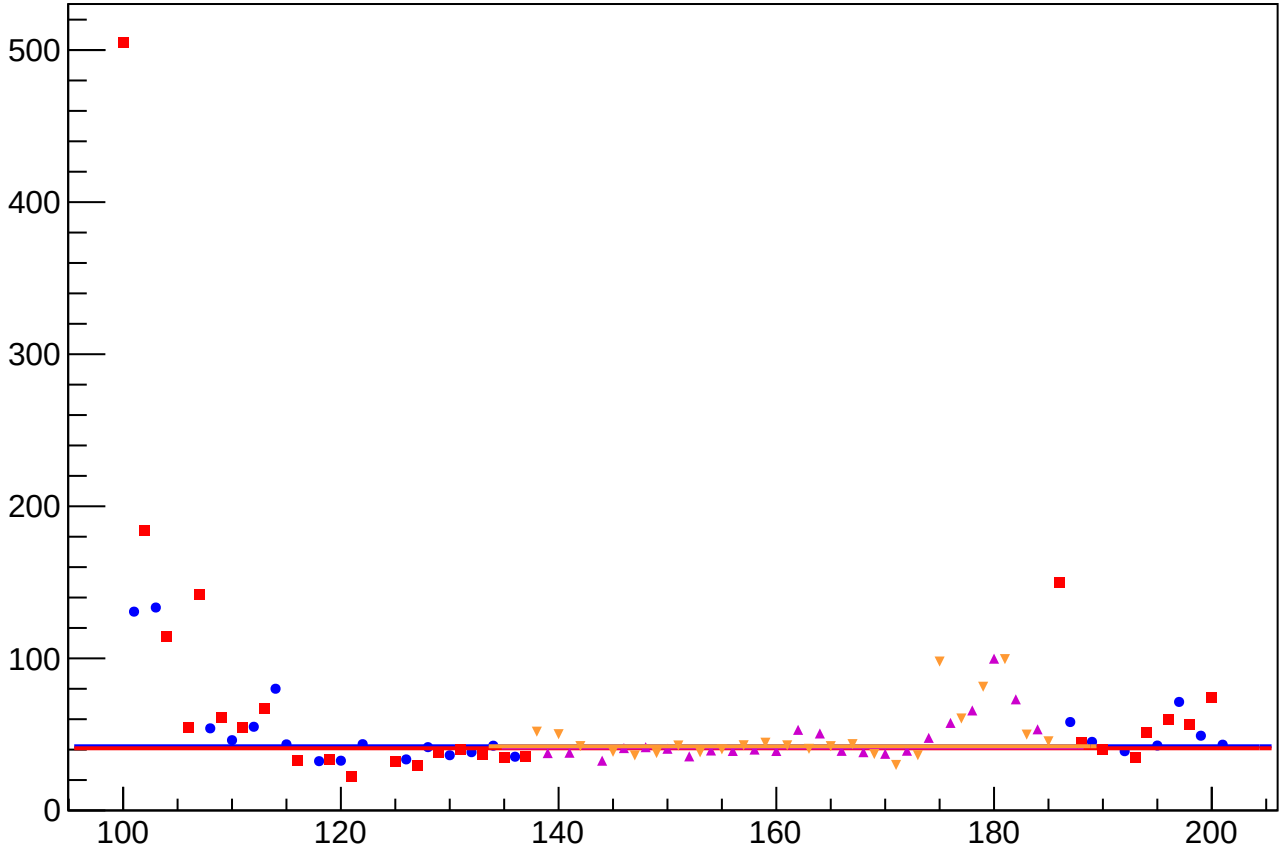
Right: 0.010+/-0.010 χ^2/NDF: 46.3/48

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.004+/-0.006 χ^2/NDF: 91.7/95

asym_us_dd_at1lr_dd_dd_dit_vs_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: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

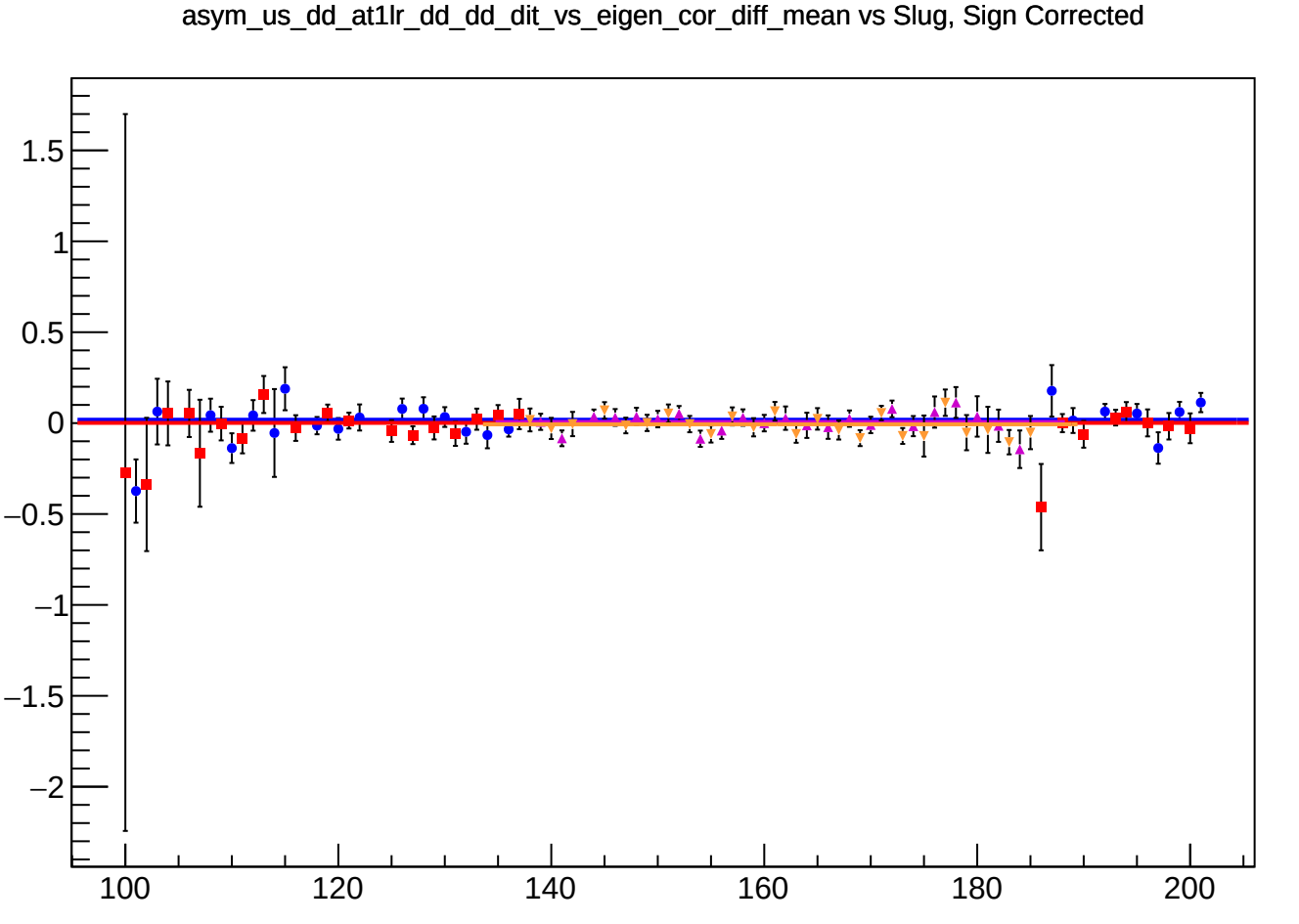
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.525+/-0.007 χ^2/NDF: 4785438.8/48

In: 41.717+/-0.006 χ^2/NDF:3149821.2/45

Out: 41.677+/-0.006 χ^2/NDF:4873498.3/49

All: 41.697+/-0.004 χ^2/NDF: 8023341.3/95



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: 0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

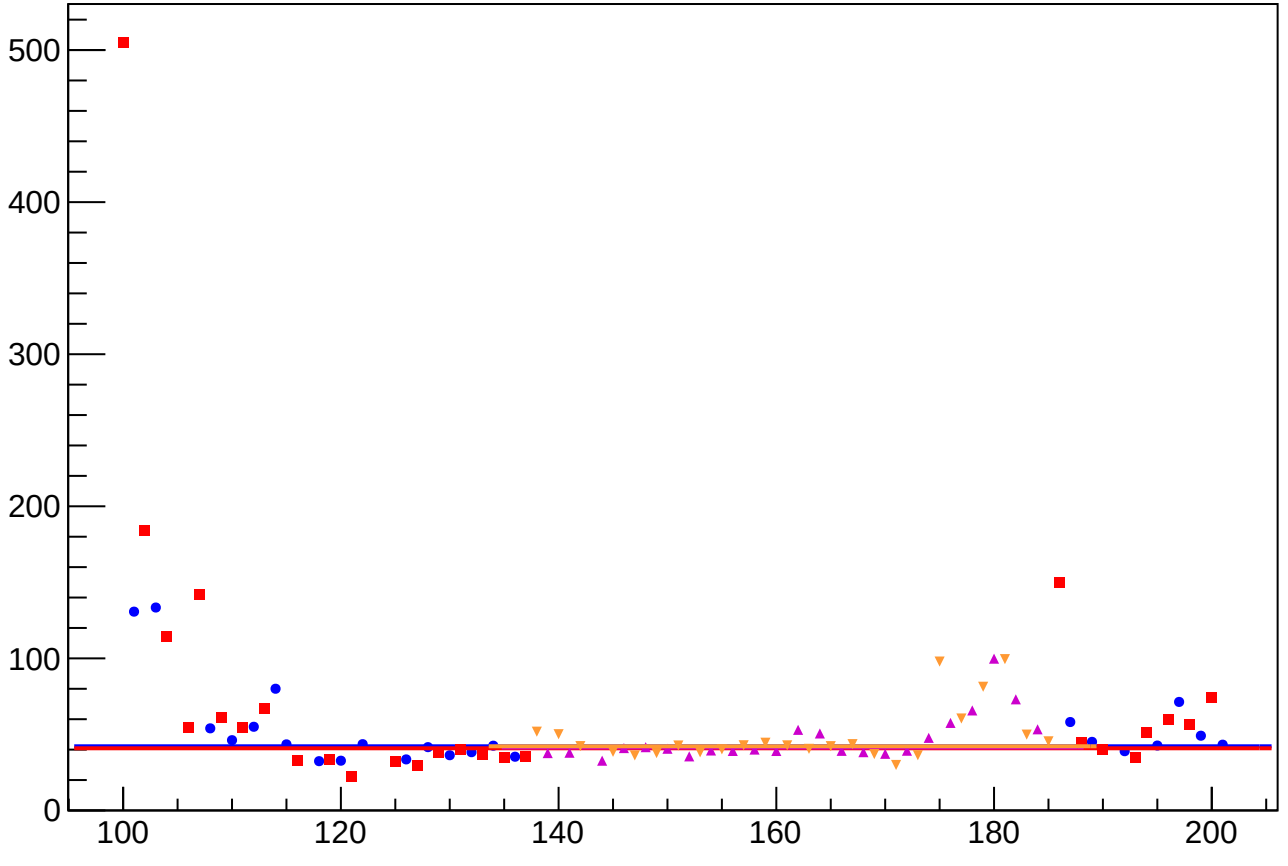
Right: 0.010+/-0.010 χ^2/NDF: 46.3/48

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.004+/-0.006 χ^2/NDF: 91.7/95

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: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

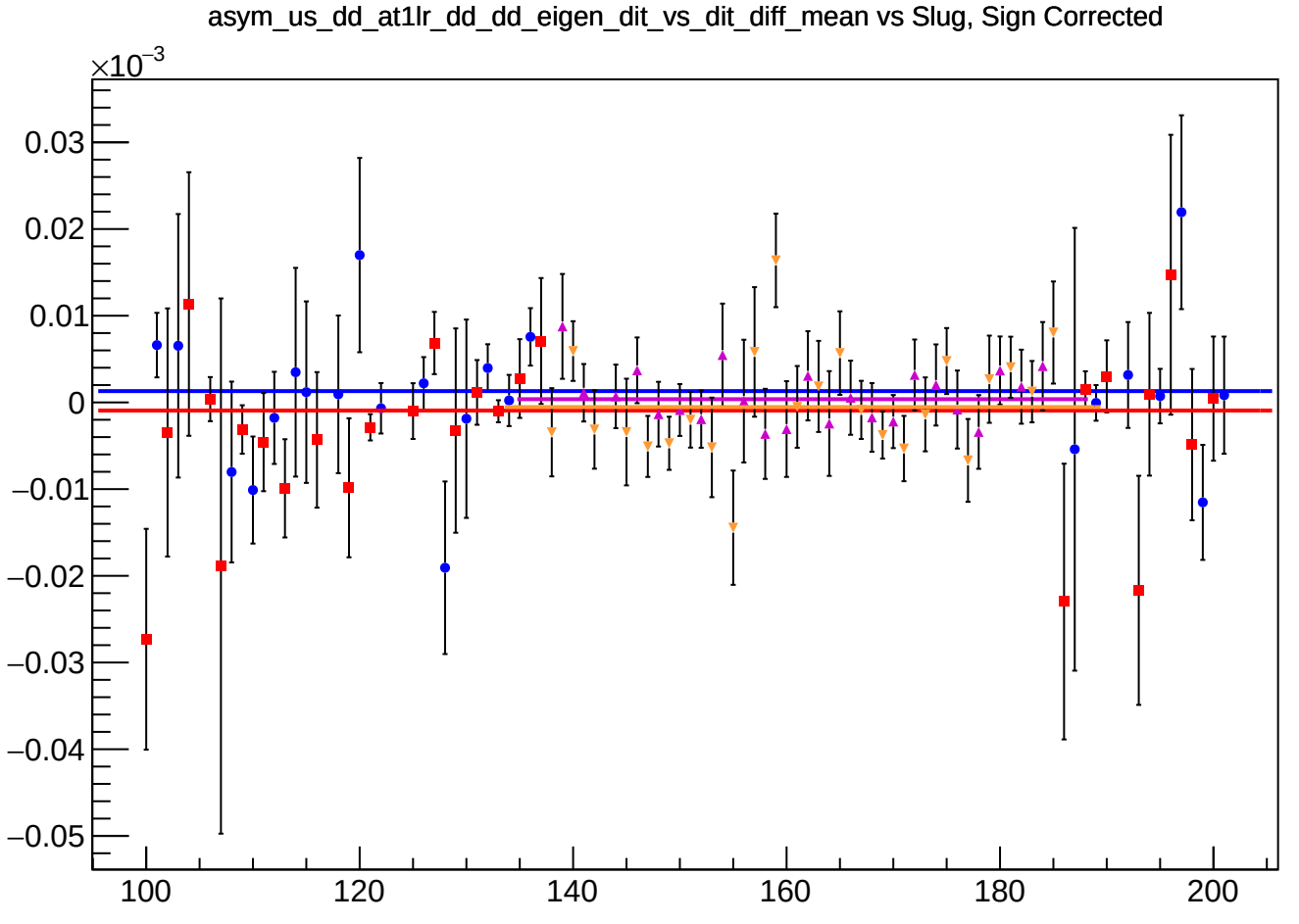
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.525+/-0.007 χ^2/NDF: 4785438.8/48

In: 41.717+/-0.006 χ^2/NDF:3149821.2/45

Out: 41.677+/-0.006 χ^2/NDF:4873498.3/49

All: 41.697+/-0.004 χ^2/NDF: 8023341.3/95



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: 27.0/25

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

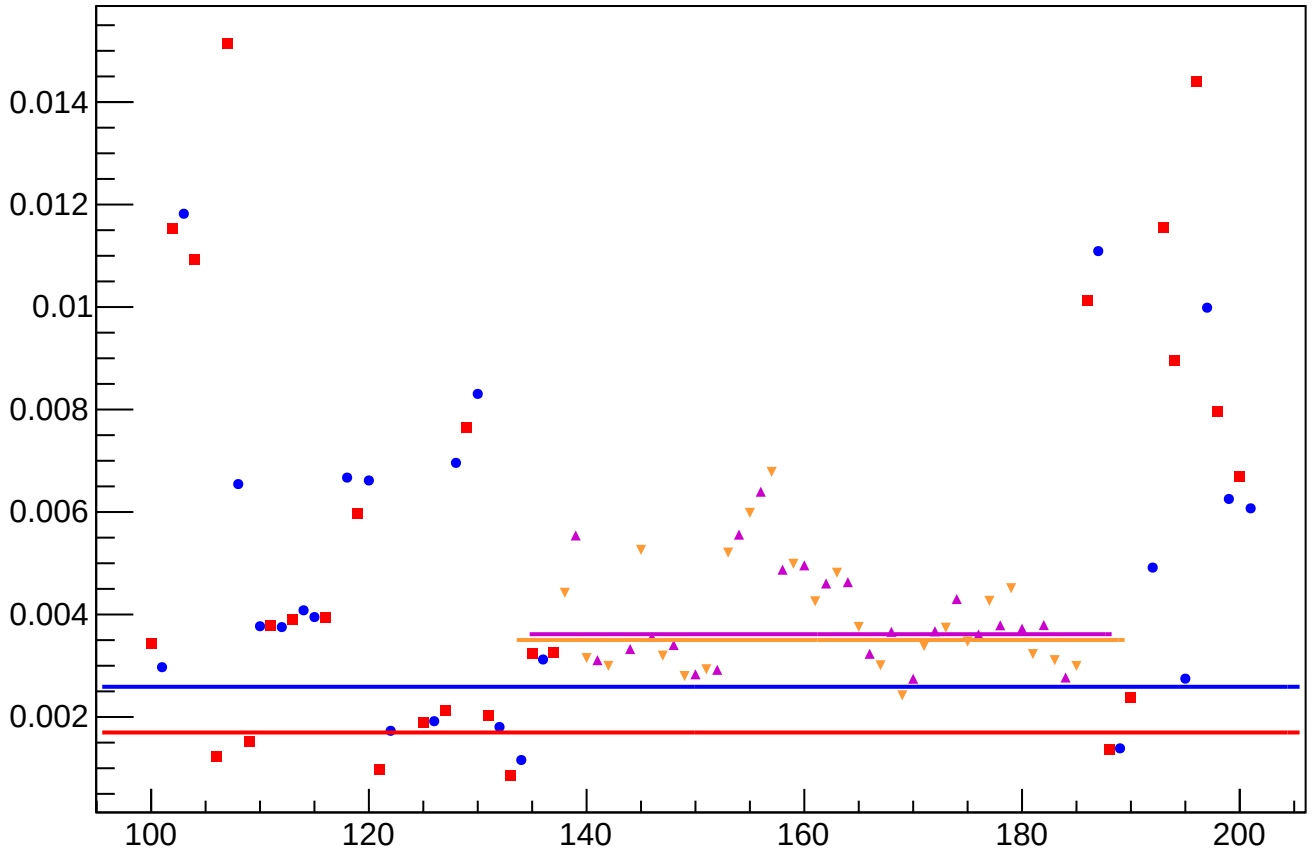
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 56.7/48

In: 0.000+/-0.000 χ^2/NDF:36.2/45

Out: -0.000+/-0.000 χ^2/NDF:63.9/49

All: -0.000+/-0.000 χ^2/NDF: 103.8/95



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: 11937313.0/25

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

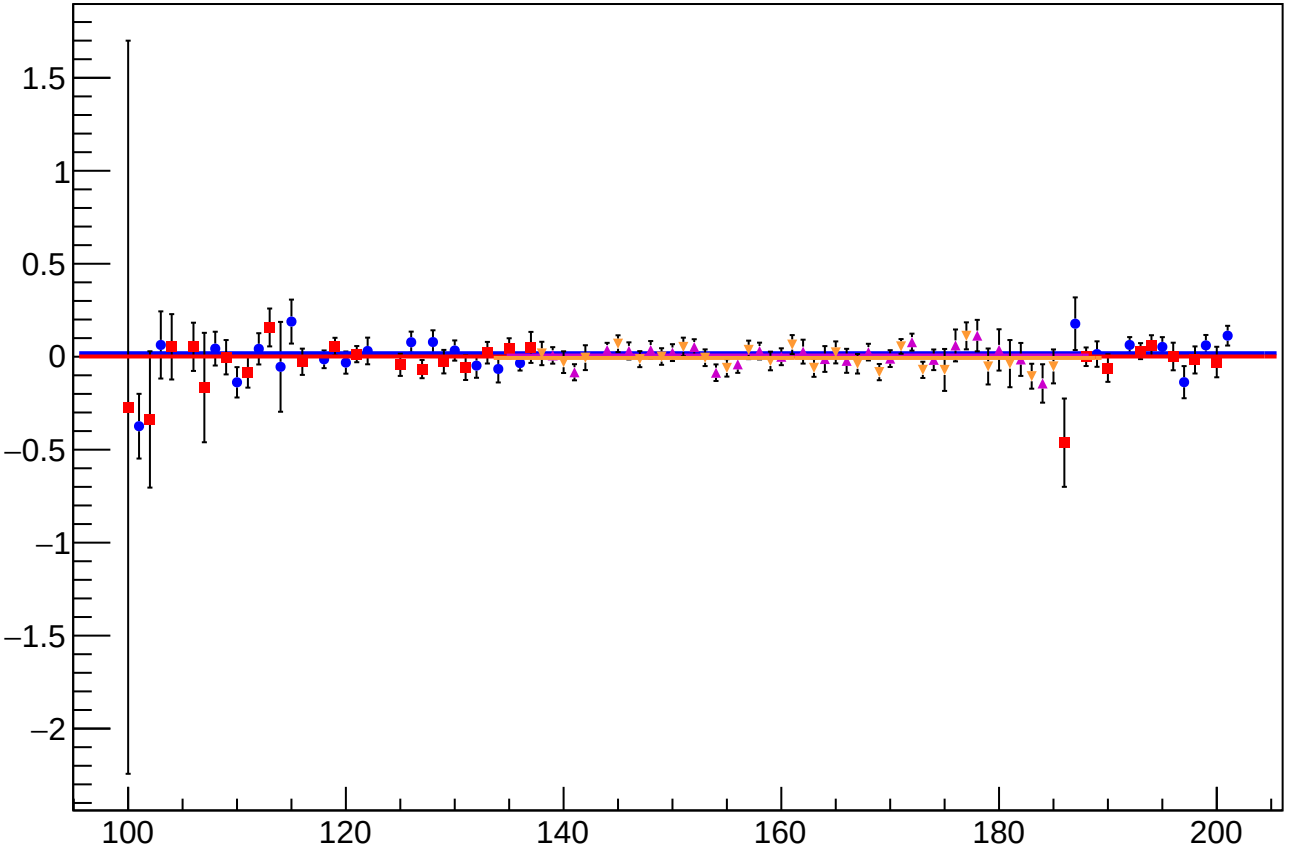
Right: 0.002+/-0.000 χ^2/NDF: 20148314.4/48

In: 0.003+/-0.000 χ^2/NDF:9984645.7/45

Out: 0.002+/-0.000 χ^2/NDF:19627495.5/49

All: 0.003+/-0.000 χ^2/NDF: 31088605.0/95

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_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: 0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

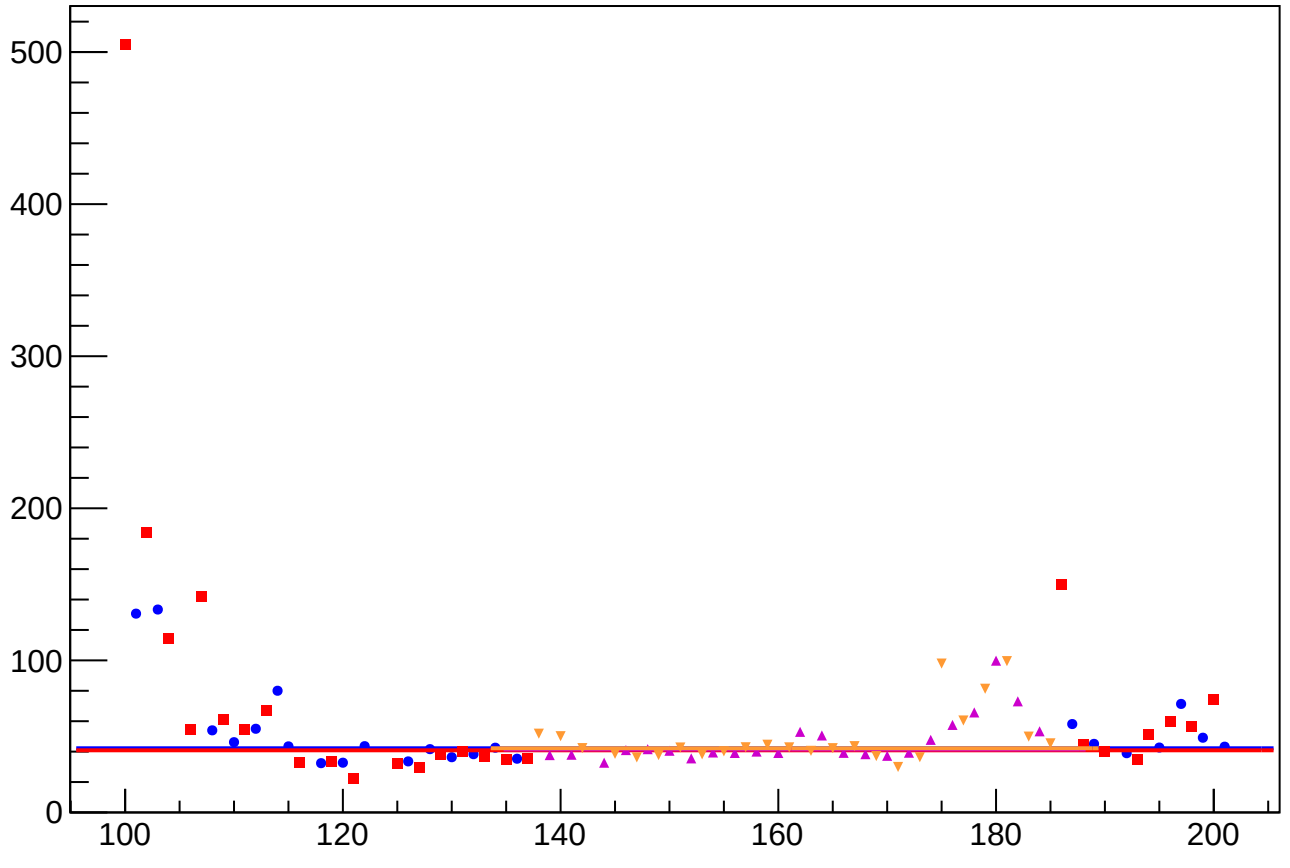
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.010+/-0.010 χ^2/NDF: 46.3/48

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.004+/-0.006 χ^2/NDF: 91.7/95



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: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

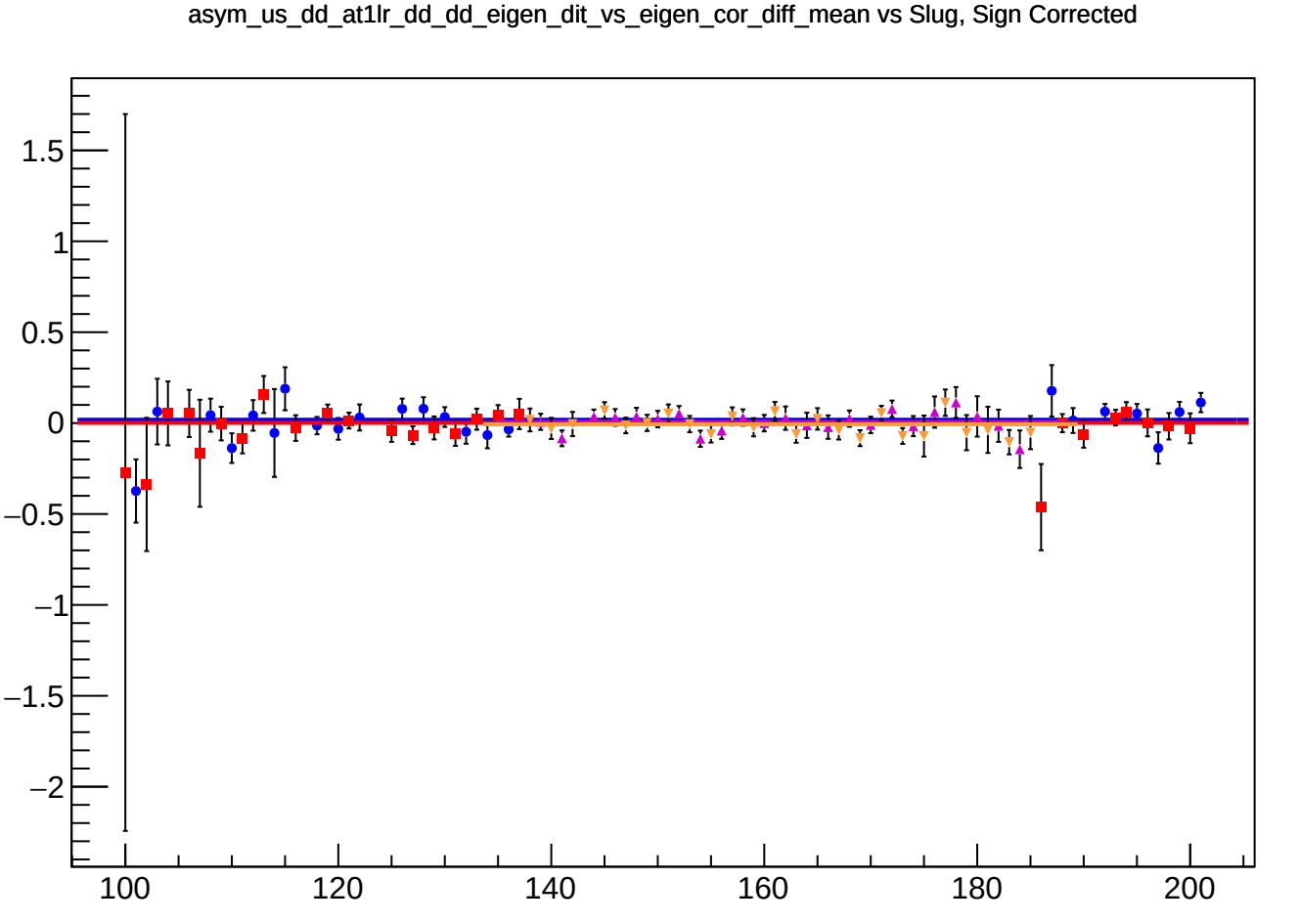
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 41.524+/-0.007 χ^2/NDF: 4785527.2/48

In: 41.717+/-0.006 χ^2/NDF:3149644.6/45

Out: 41.677+/-0.006 χ^2/NDF:4873700.9/49

All: 41.697+/-0.004 χ^2/NDF: 8023368.2/95



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: 0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

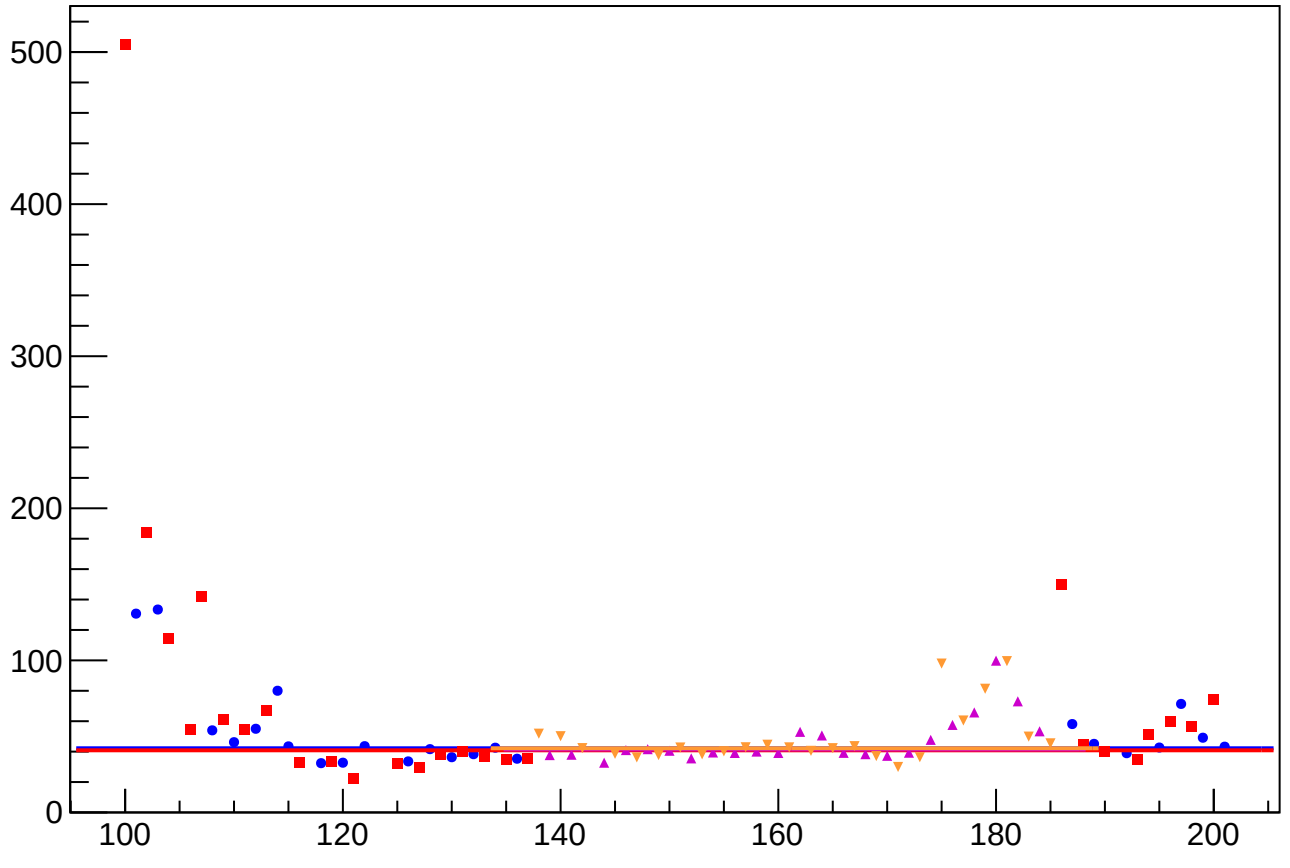
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.010+/-0.010 χ^2/NDF: 46.3/48

In: 0.011+/-0.008 χ^2/NDF:48.9/45

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.004+/-0.006 χ^2/NDF: 91.7/95



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: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

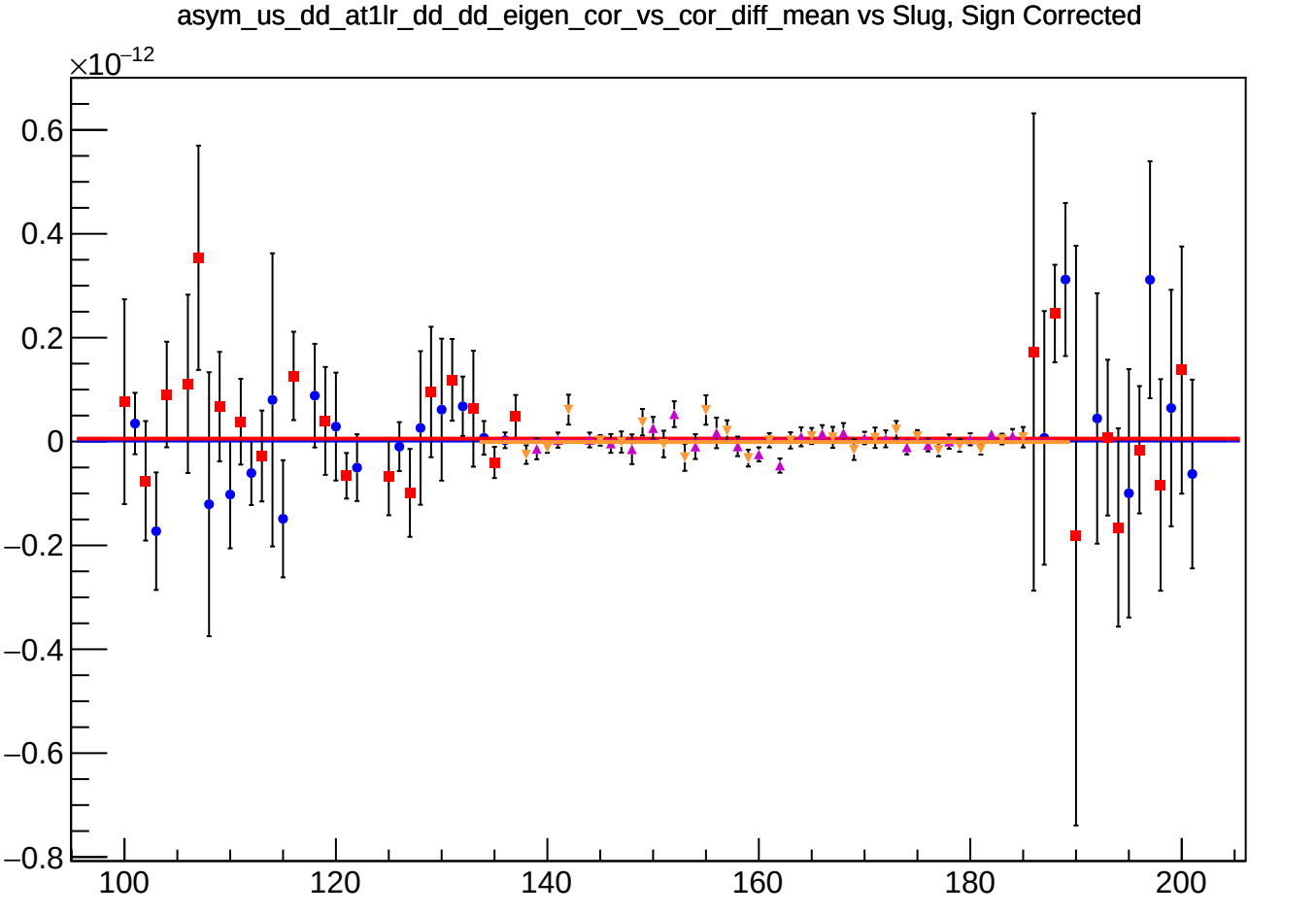
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

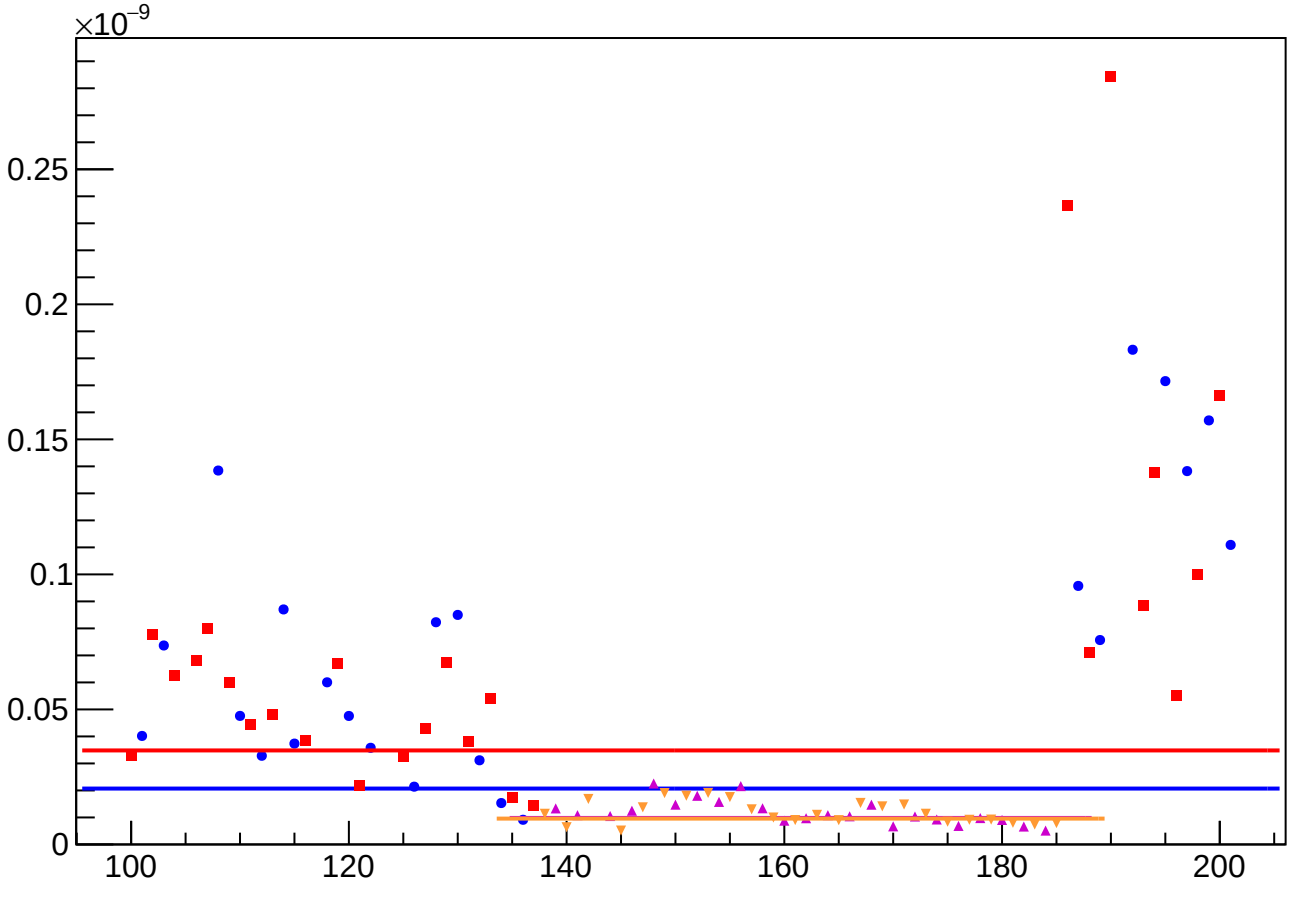
Right: 41.524+/-0.007 χ^2/NDF: 4785527.2/48

In: 41.717+/-0.006 χ^2/NDF:3149644.6/45

Out: 41.677+/-0.006 χ^2/NDF:4873700.9/49

All: 41.697+/-0.004 χ^2/NDF: 8023368.2/95


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: 26.6/25
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: 43.3/48
In: 0.000+/-0.000 χ²/NDF:45.0/45
Out: -0.000+/-0.000 χ²/NDF:56.3/49
All: -0.000+/-0.000 χ²/NDF: 101.3/95



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: 5318626.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

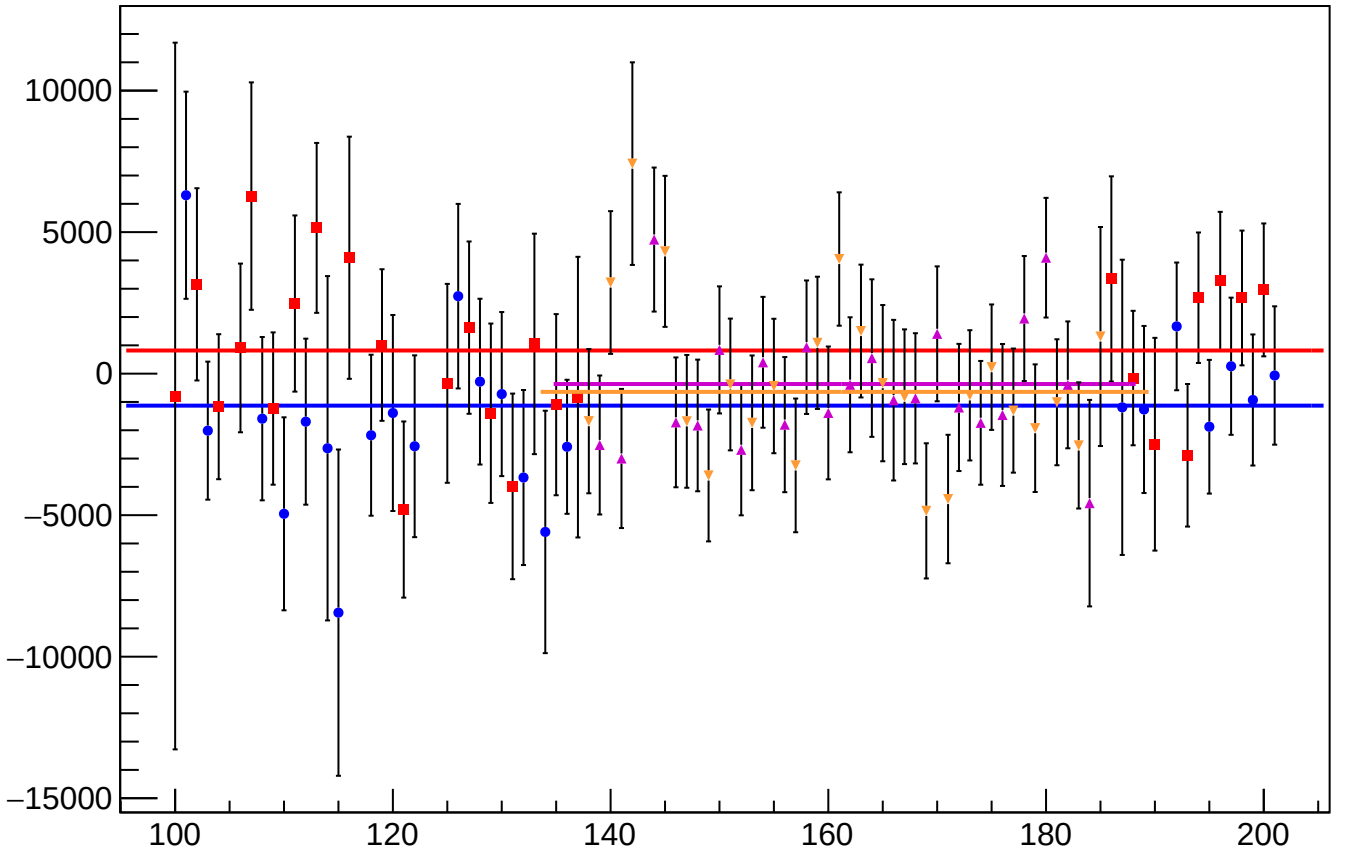
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 14377396.5/48

In: 0.000+/-0.000 χ^2/NDF:11943465.8/45

Out: 0.000+/-0.000 χ^2/NDF:12665059.7/49

All: 0.000+/-0.000 χ^2/NDF: 24609833.3/95



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: 818.019+/-592.206 χ^2/NDF: 19.7/25

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

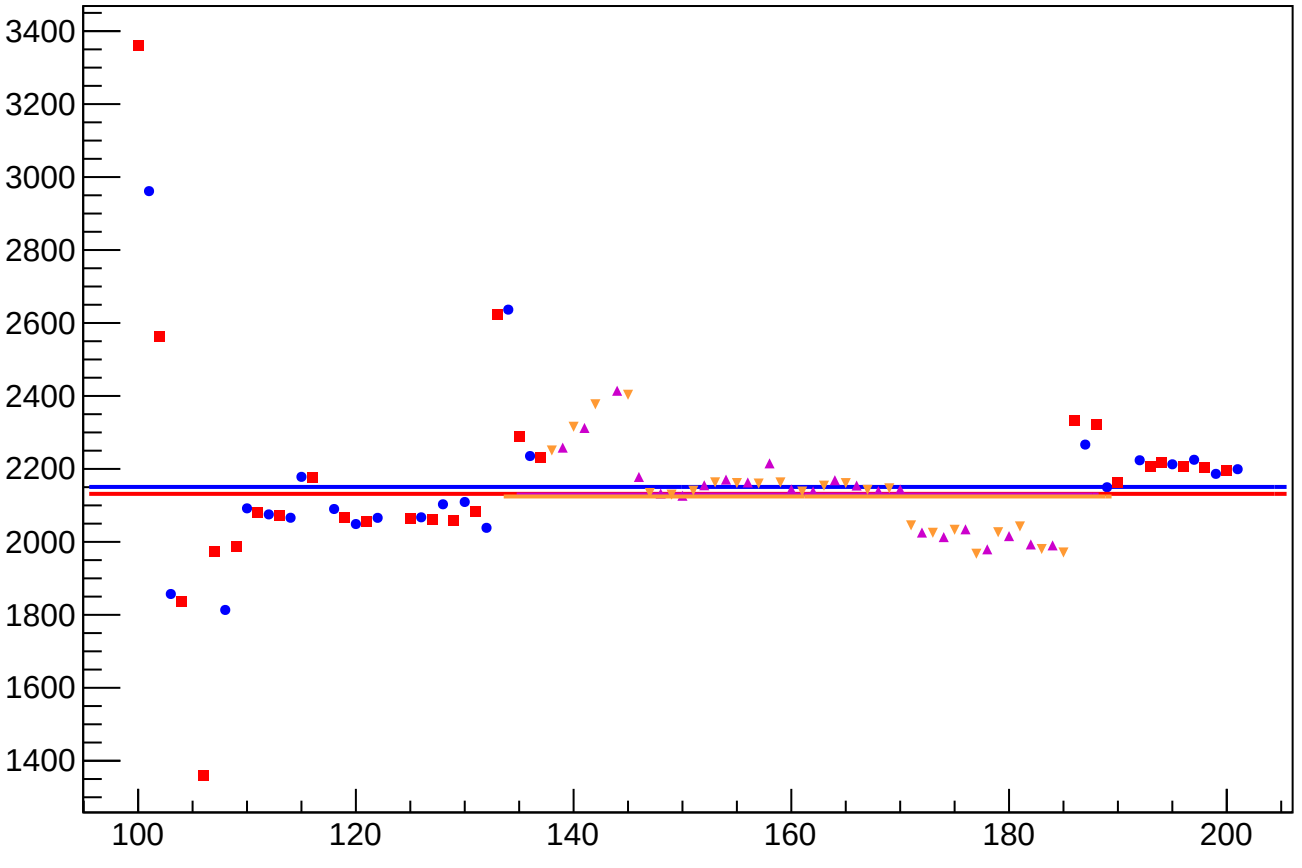
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -119.497+/-426.546 χ^2/NDF: 38.3/48

In: -669.092+/-386.947 χ^2/NDF:31.6/45

Out: -44.448+/-379.201 χ^2/NDF:50.4/49

All: -350.456+/-270.833 χ^2/NDF: 83.4/95



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: 2131.619+/-0.419 χ^2/NDF: 294314.9/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

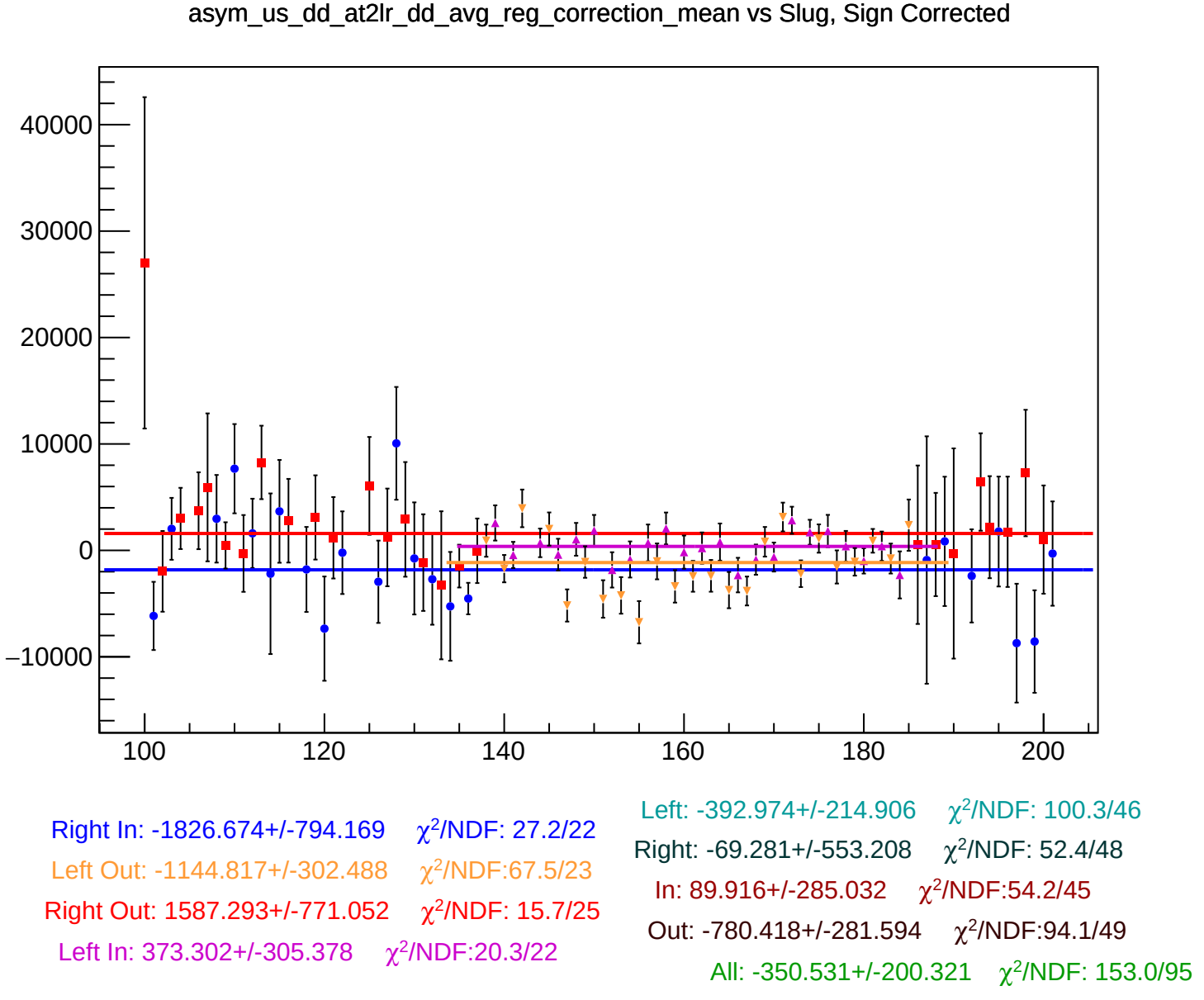
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2140.760+/-0.302 χ^2/NDF: 496954.4/48

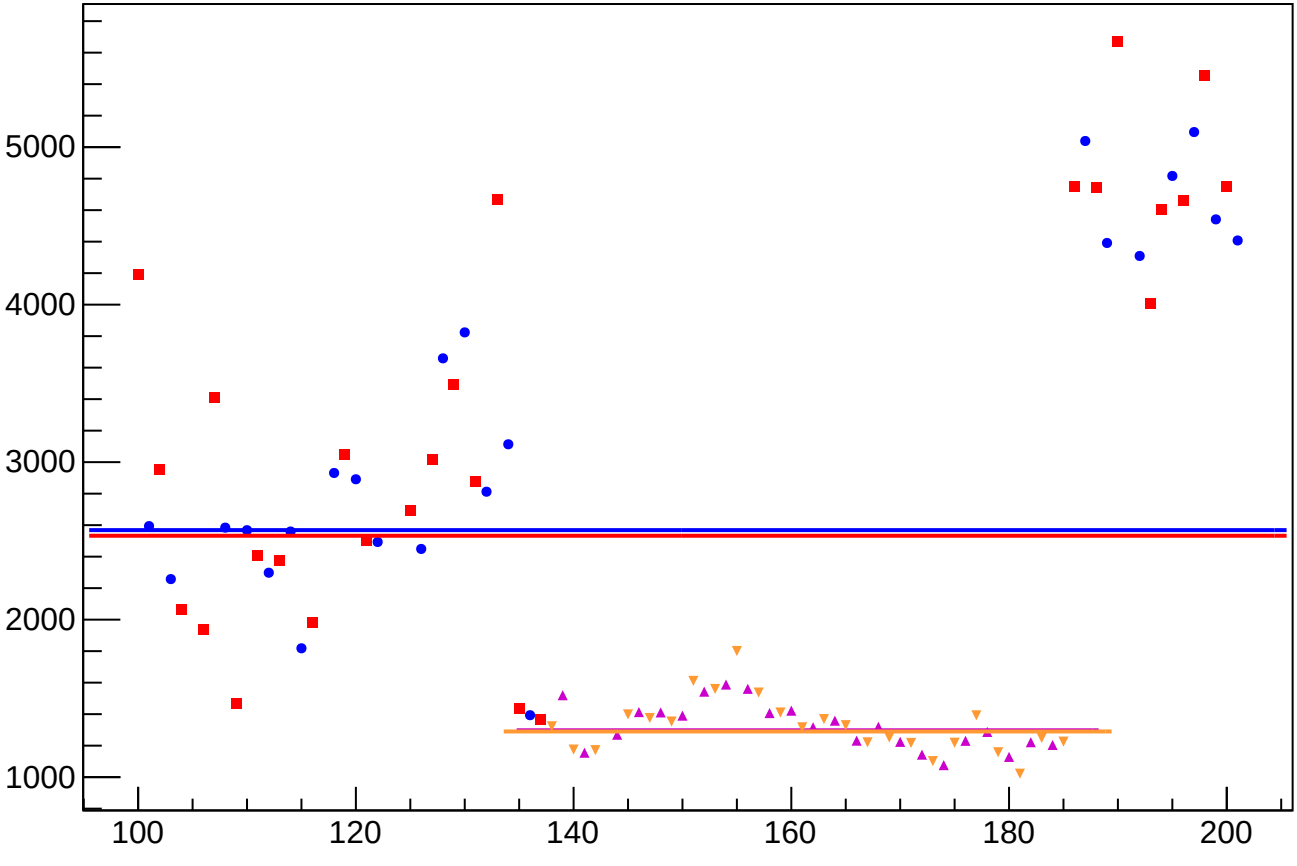
In: 2138.101+/-0.274 χ^2/NDF:288375.1/45

Out: 2127.381+/-0.268 χ^2/NDF:383672.5/49

All: 2132.633+/-0.192 χ^2/NDF: 672830.6/95


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1826.674+/-794.169 χ²/NDF: 27.2/22
Left Out: -1144.817+/-302.488 χ²/NDF:67.5/23
Right Out: 1587.293+/-771.052 χ²/NDF: 15.7/25
Left In: 373.302+/-305.378 χ²/NDF:20.3/22
Left: -392.974+/-214.906 χ²/NDF: 100.3/46
Right: -69.281+/-553.208 χ²/NDF: 52.4/48
In: 89.916+/-285.032 χ²/NDF:54.2/45
Out: -780.418+/-281.594 χ²/NDF:94.1/49
All: -350.531+/-200.321 χ²/NDF: 153.0/95

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: 2532.739+/-0.545 χ^2/NDF: 4499118.1/25

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

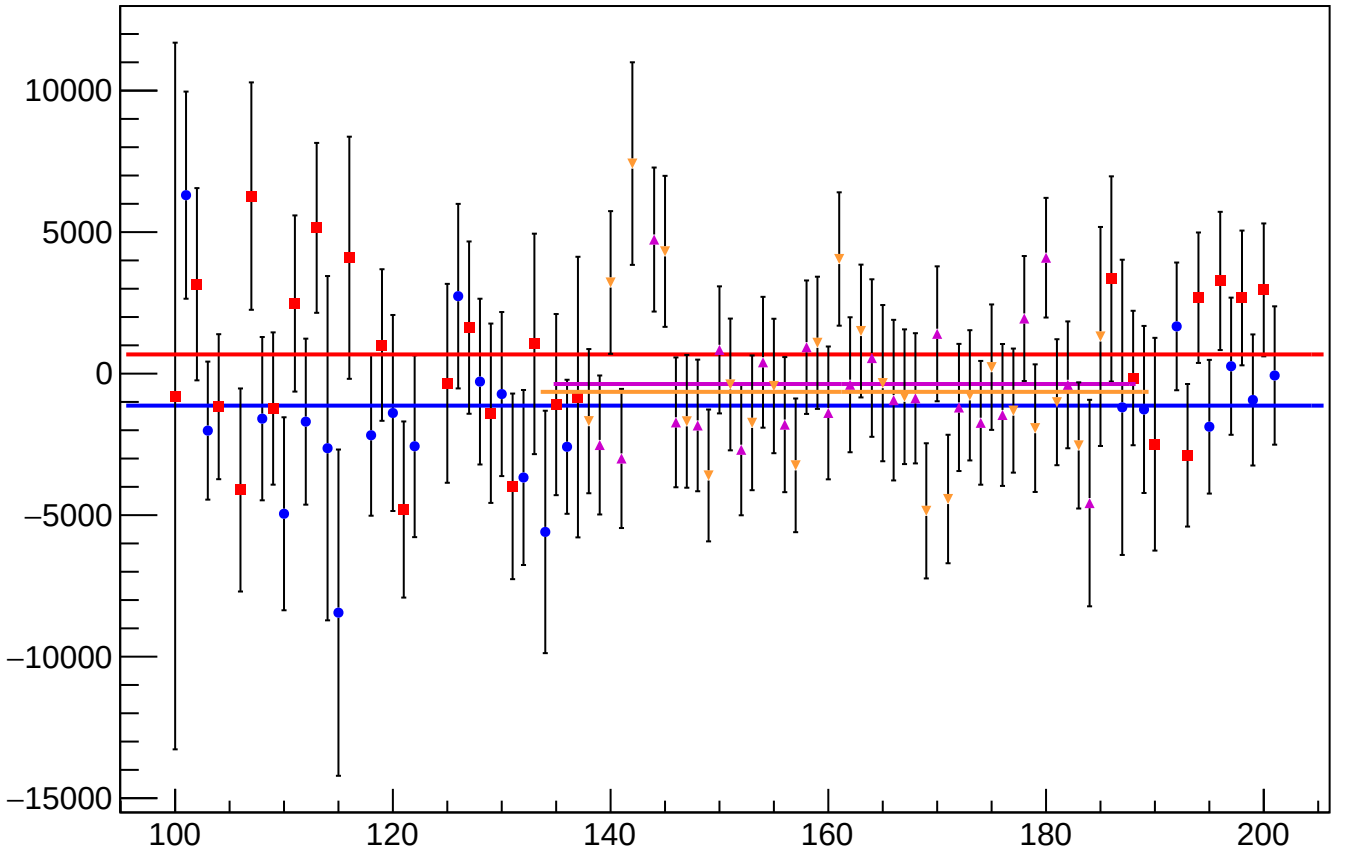
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2550.049+/-0.391 χ^2/NDF: 8094470.4/48

In: 1461.171+/-0.202 χ^2/NDF:8489767.4/45

Out: 1455.778+/-0.199 χ^2/NDF:9569343.9/49

All: 1458.441+/-0.142 χ^2/NDF: 18059473.7/9



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: 678.648+/-595.864 χ^2/NDF: 21.6/25

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

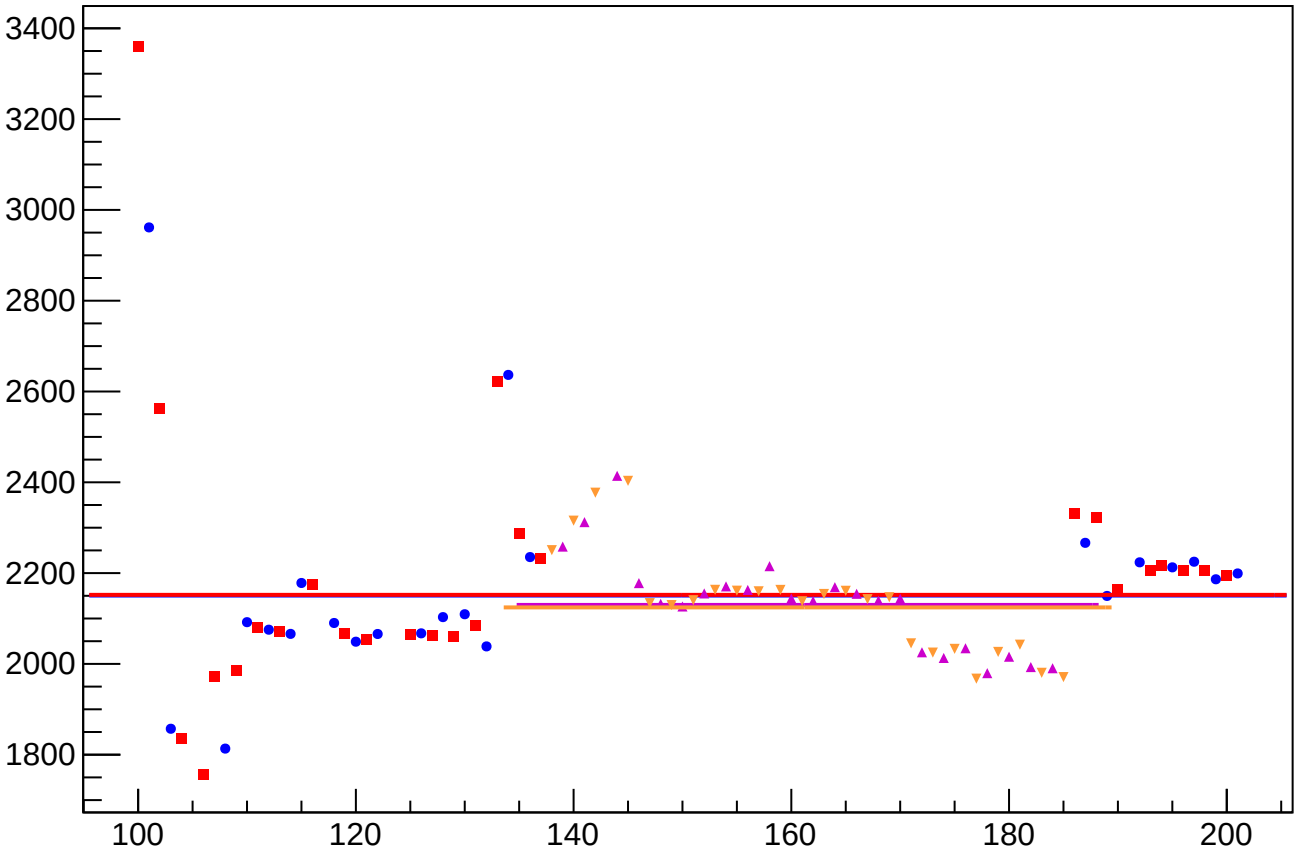
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -197.381+/-427.906 χ^2/NDF: 39.4/48

In: -669.041+/-386.947 χ^2/NDF:31.6/45

Out: -105.445+/-380.156 χ^2/NDF:51.6/49

All: -382.254+/-271.180 χ^2/NDF: 84.3/95



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: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

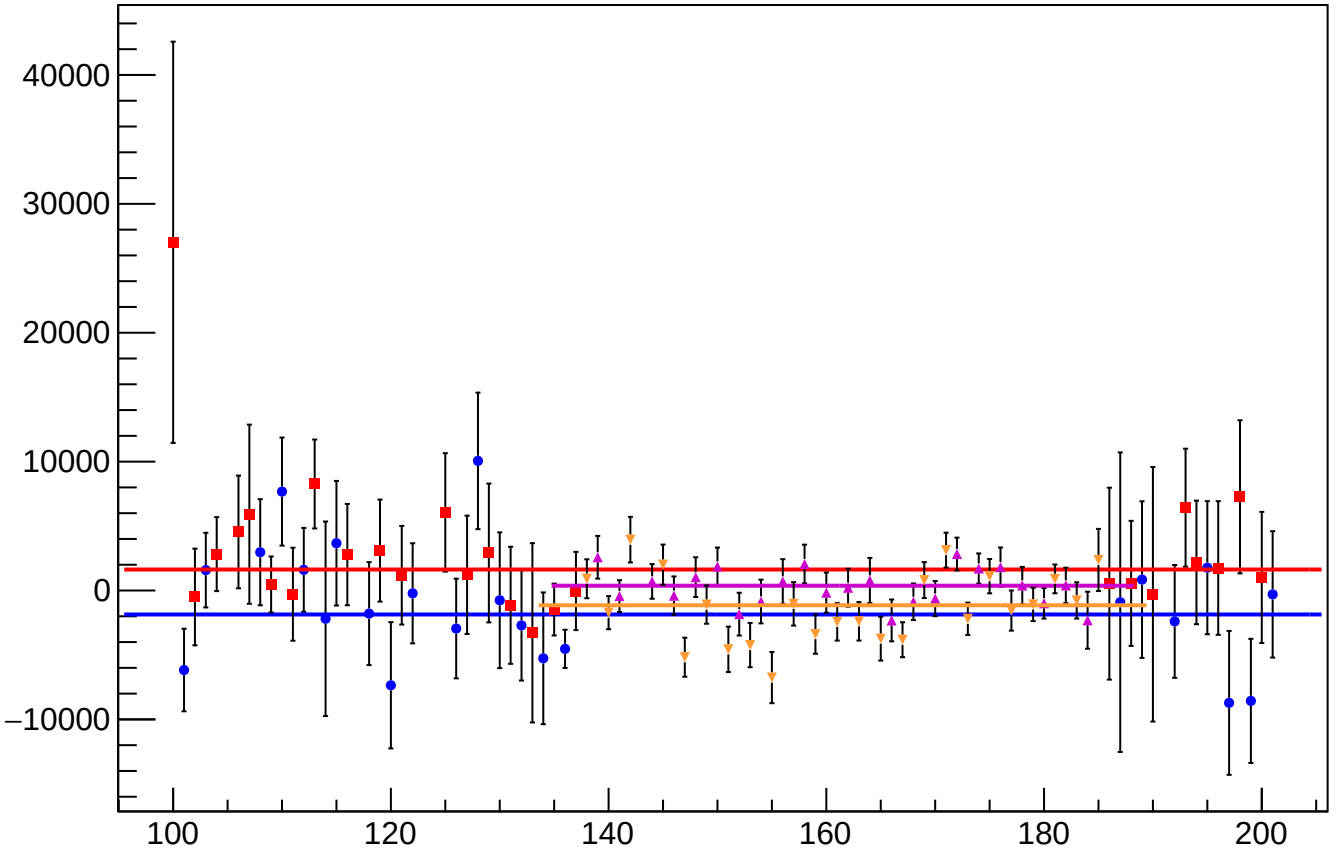
Right: 2151.367+/-0.303 χ^2/NDF: 381740.2/48

In: 2138.101+/-0.274 χ^2/NDF:288375.4/45

Out: 2135.686+/-0.269 χ^2/NDF:271820.1/49

All: 2136.872+/-0.192 χ^2/NDF: 560235.1/95

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: 1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

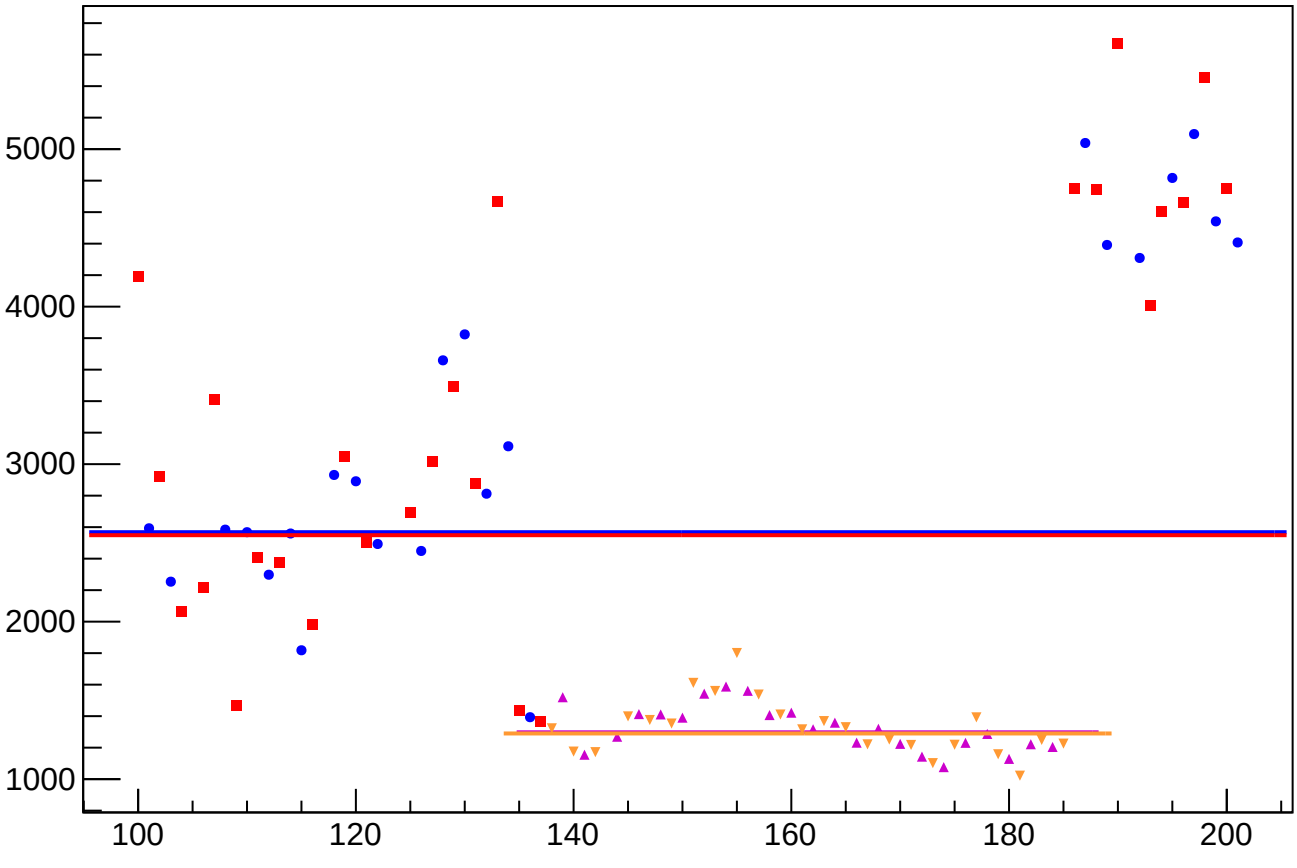
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -75.439+/-555.015 χ^2/NDF: 51.9/48

In: 85.529+/-285.022 χ^2/NDF:54.0/45

Out: -779.041+/-281.843 χ^2/NDF:93.8/49

All: -351.603+/-200.408 χ^2/NDF: 152.4/95



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: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

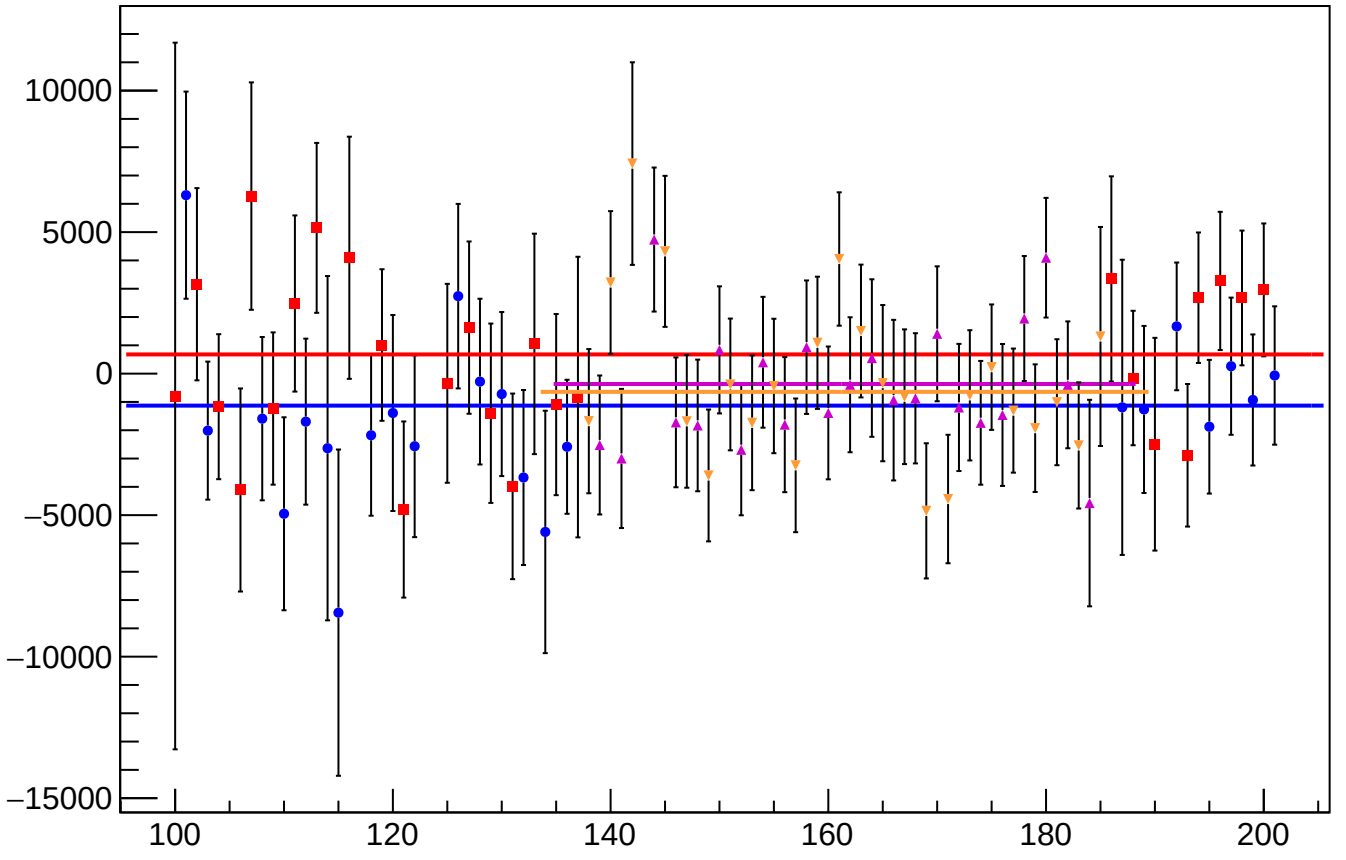
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2558.209+/-0.392 χ^2/NDF: 8047220.5/48

In: 1461.192+/-0.202 χ^2/NDF:8489169.5/45

Out: 1456.029+/-0.199 χ^2/NDF:9588031.6/49

All: 1458.582+/-0.142 χ^2/NDF: 18077533.0/9



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: 678.648+/-595.864 χ^2/NDF: 21.6/25

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

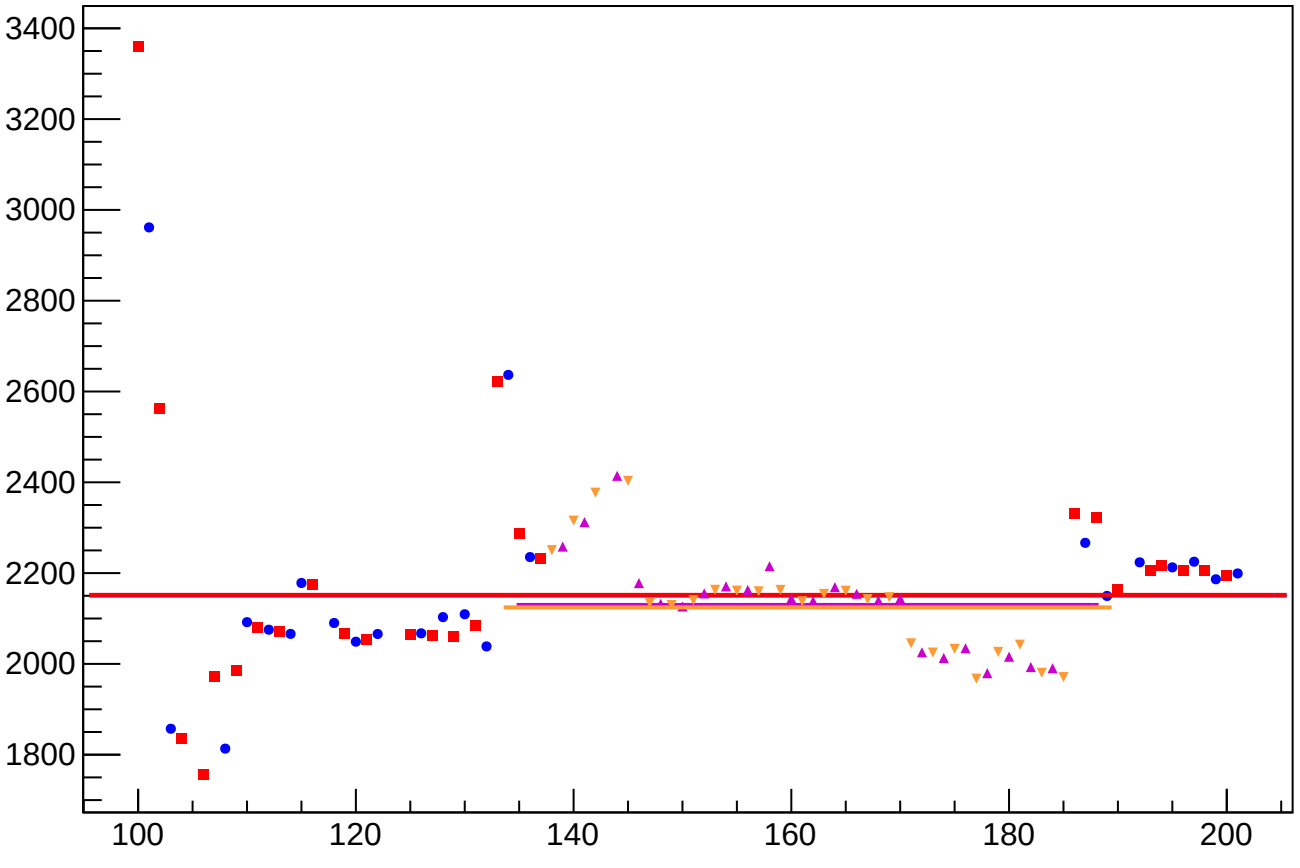
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -197.381+/-427.906 χ^2/NDF: 39.4/48

In: -669.041+/-386.947 χ^2/NDF:31.6/45

Out: -105.445+/-380.156 χ^2/NDF:51.6/49

All: -382.254+/-271.180 χ^2/NDF: 84.3/95



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: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

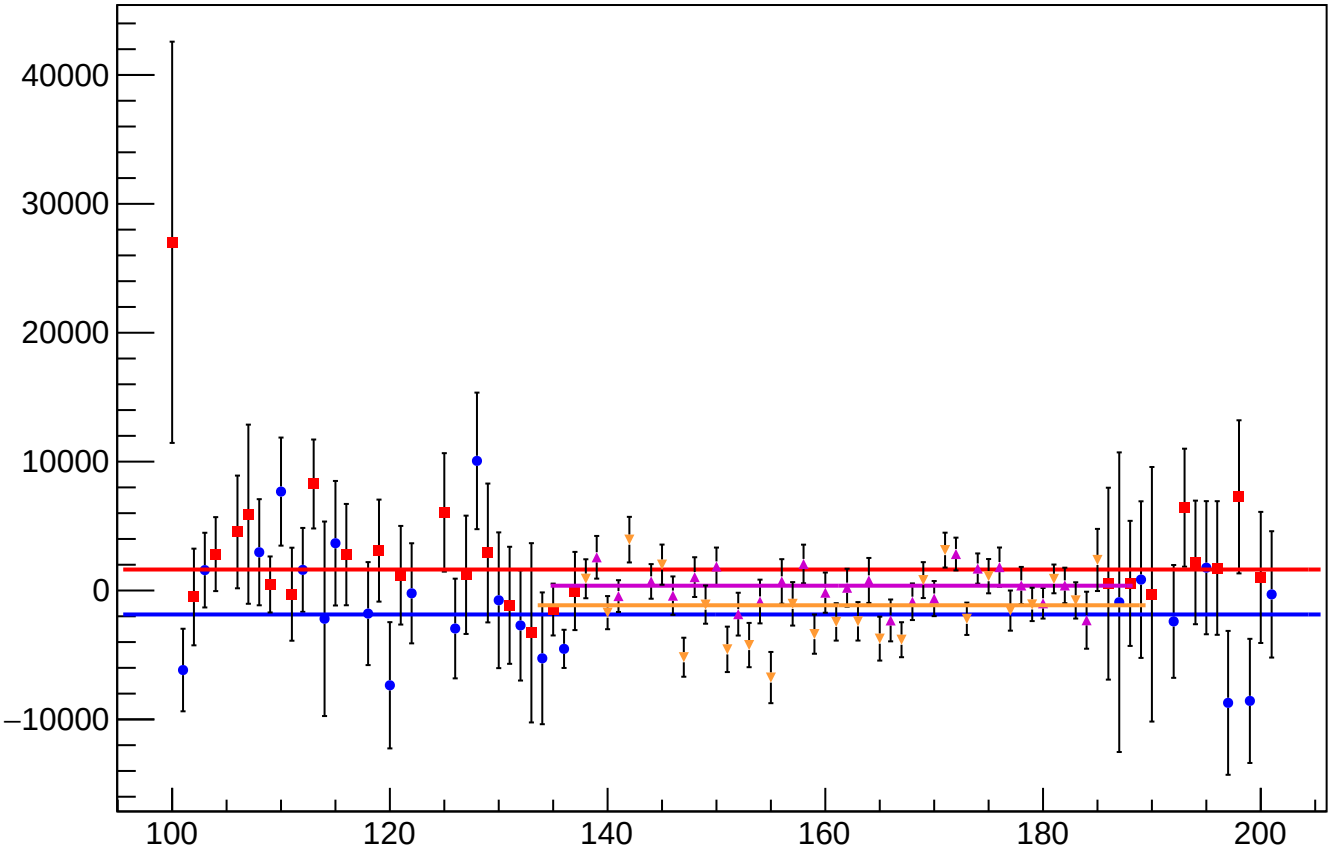
Right: 2151.367+/-0.303 χ^2/NDF: 381740.2/48

In: 2138.101+/-0.274 χ^2/NDF:288375.4/45

Out: 2135.686+/-0.269 χ^2/NDF:271820.1/49

All: 2136.872+/-0.192 χ^2/NDF: 560235.1/95

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: 1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

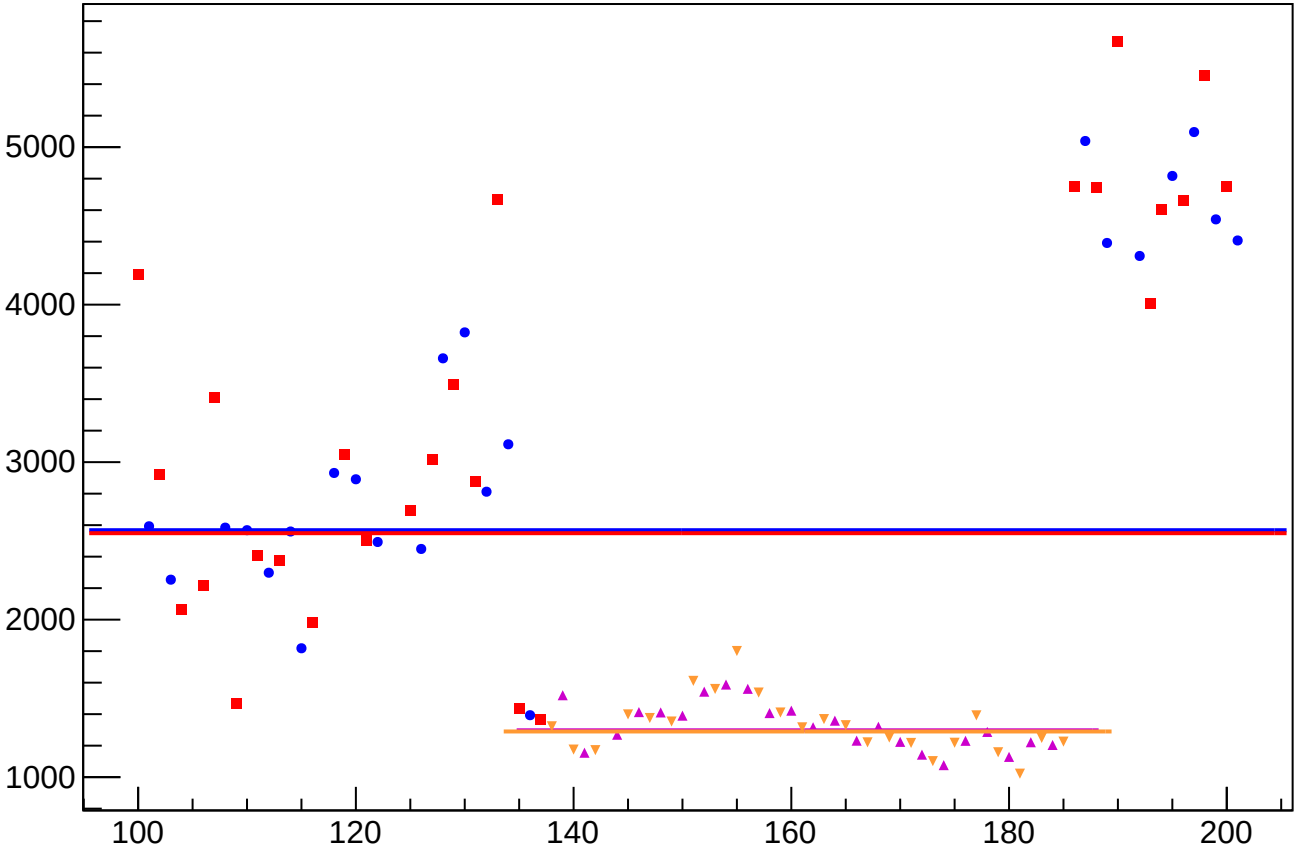
Right: -75.439+/-555.015 χ^2/NDF: 51.9/48

In: 85.529+/-285.022 χ^2/NDF:54.0/45

Out: -779.041+/-281.843 χ^2/NDF:93.8/49

All: -351.603+/-200.408 χ^2/NDF: 152.4/95

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

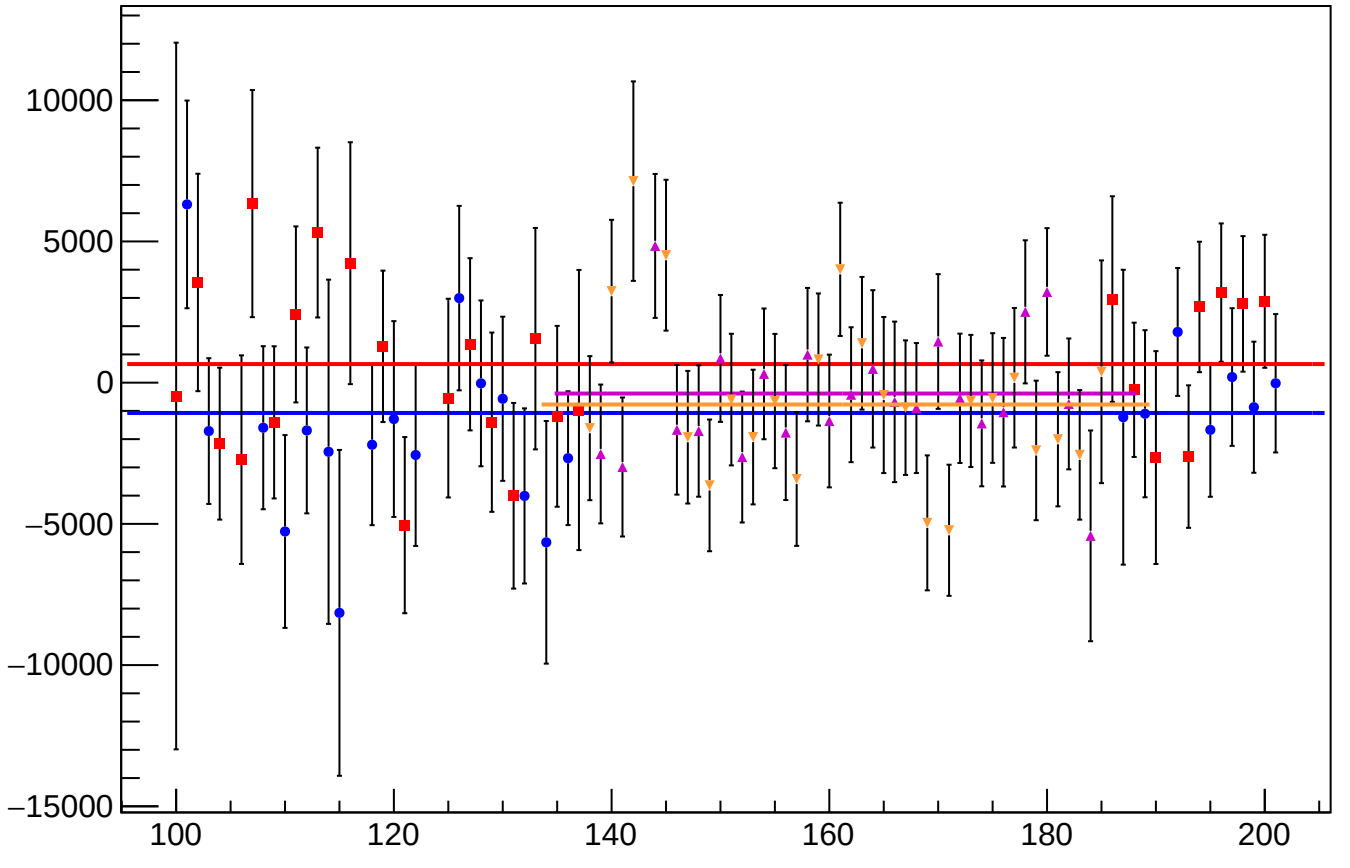
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2558.209+/-0.392 χ^2/NDF: 8047220.5/48

In: 1461.192+/-0.202 χ^2/NDF:8489169.5/45

Out: 1456.029+/-0.199 χ^2/NDF:9588031.6/49

All: 1458.582+/-0.142 χ^2/NDF: 18077533.0/9



Right In: -1072.930+/-618.352 χ^2/NDF: 13.9/22

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 658.164+/-601.190 χ^2/NDF: 21.5/25

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

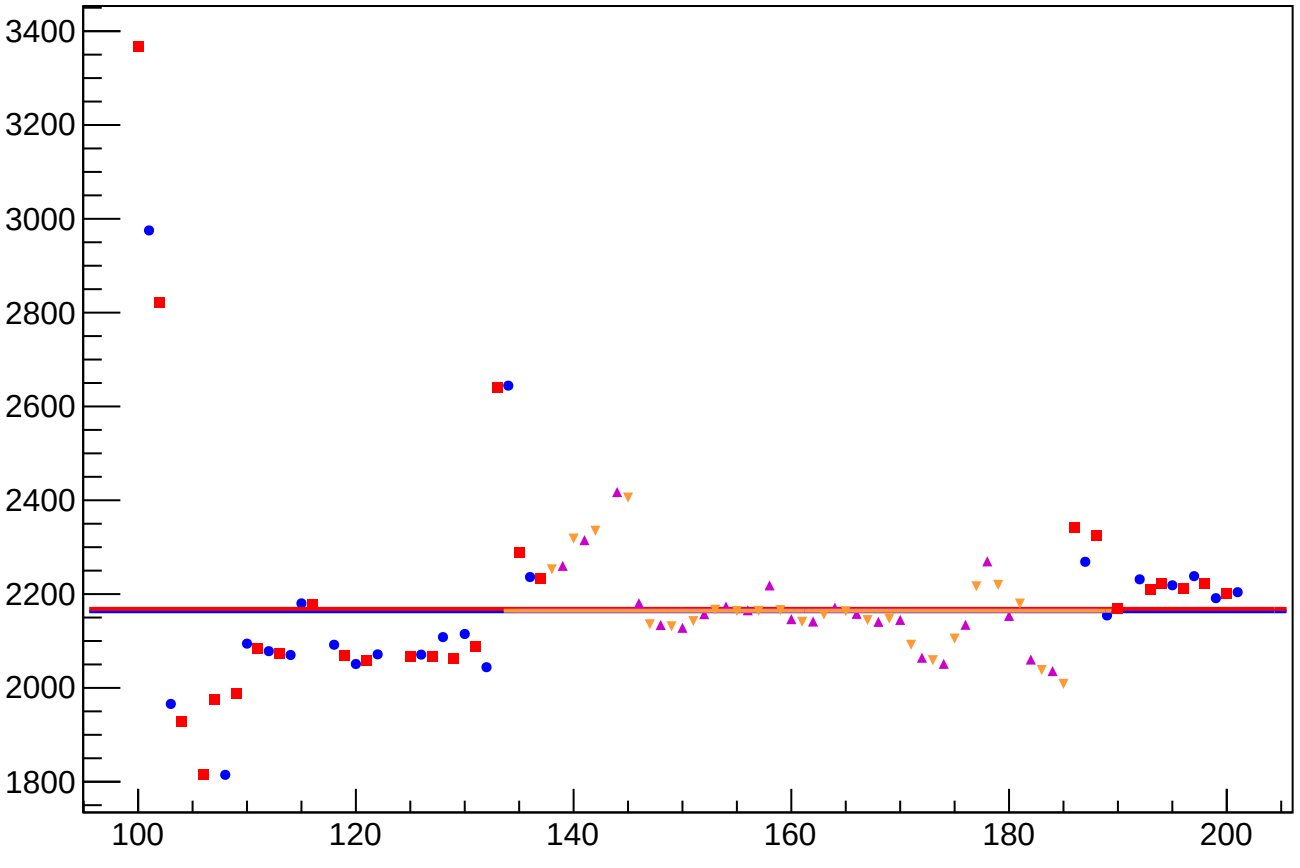
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -183.027+/-431.045 χ^2/NDF: 39.5/48

In: -661.098+/-391.623 χ^2/NDF:30.3/45

Out: -184.279+/-385.698 χ^2/NDF:53.4/49

All: -419.054+/-274.801 χ^2/NDF: 84.5/95



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: 2168.469+/-0.425 χ^2/NDF: 188527.1/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

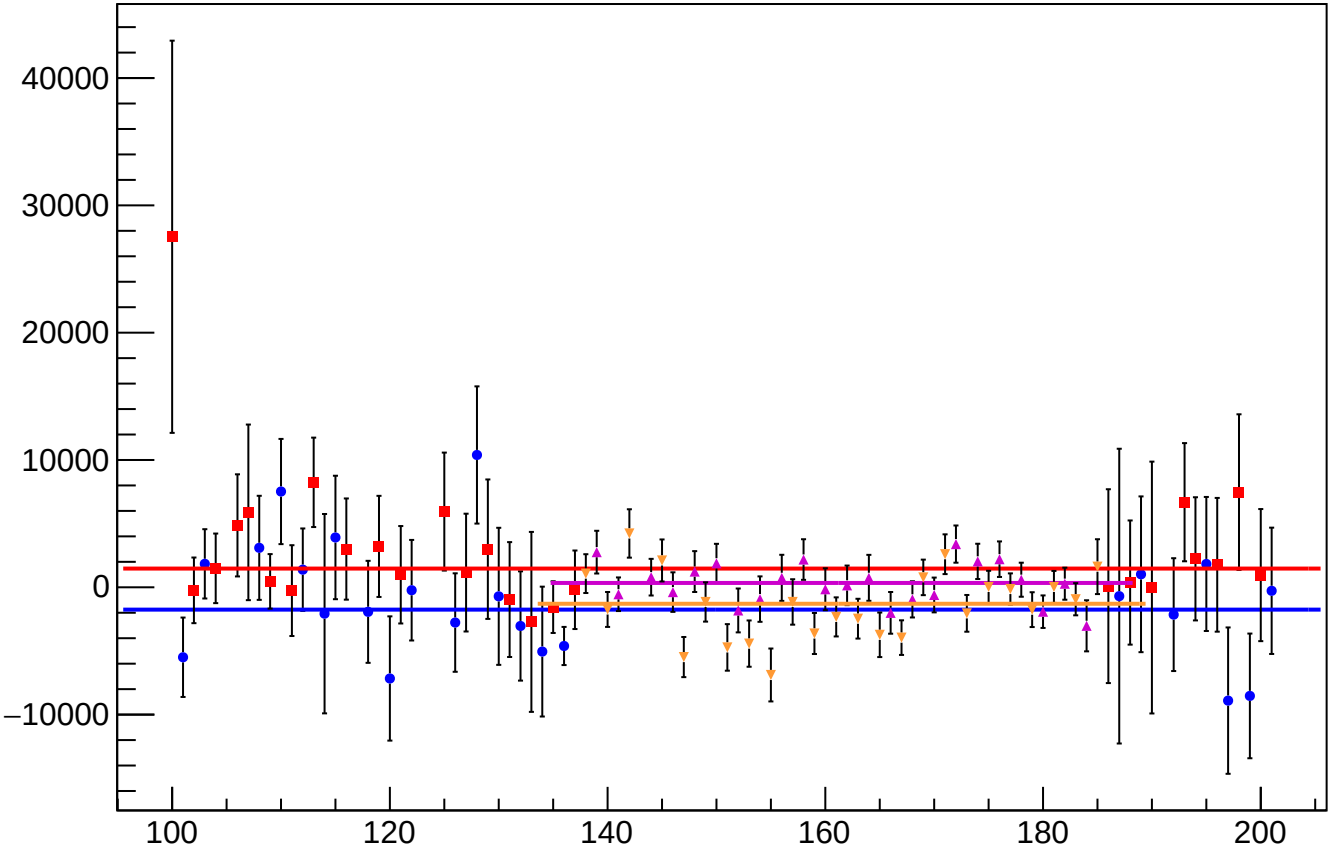
Right: 2166.030+/-0.305 χ^2/NDF: 374235.6/48

In: 2164.764+/-0.277 χ^2/NDF:237780.3/45

Out: 2166.152+/-0.273 χ^2/NDF:239253.8/49

All: 2165.469+/-0.194 χ^2/NDF: 477046.9/95

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1754.011+/-793.887 χ^2/NDF: 26.9/22

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1470.864+/-756.600 χ^2/NDF: 15.5/25

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

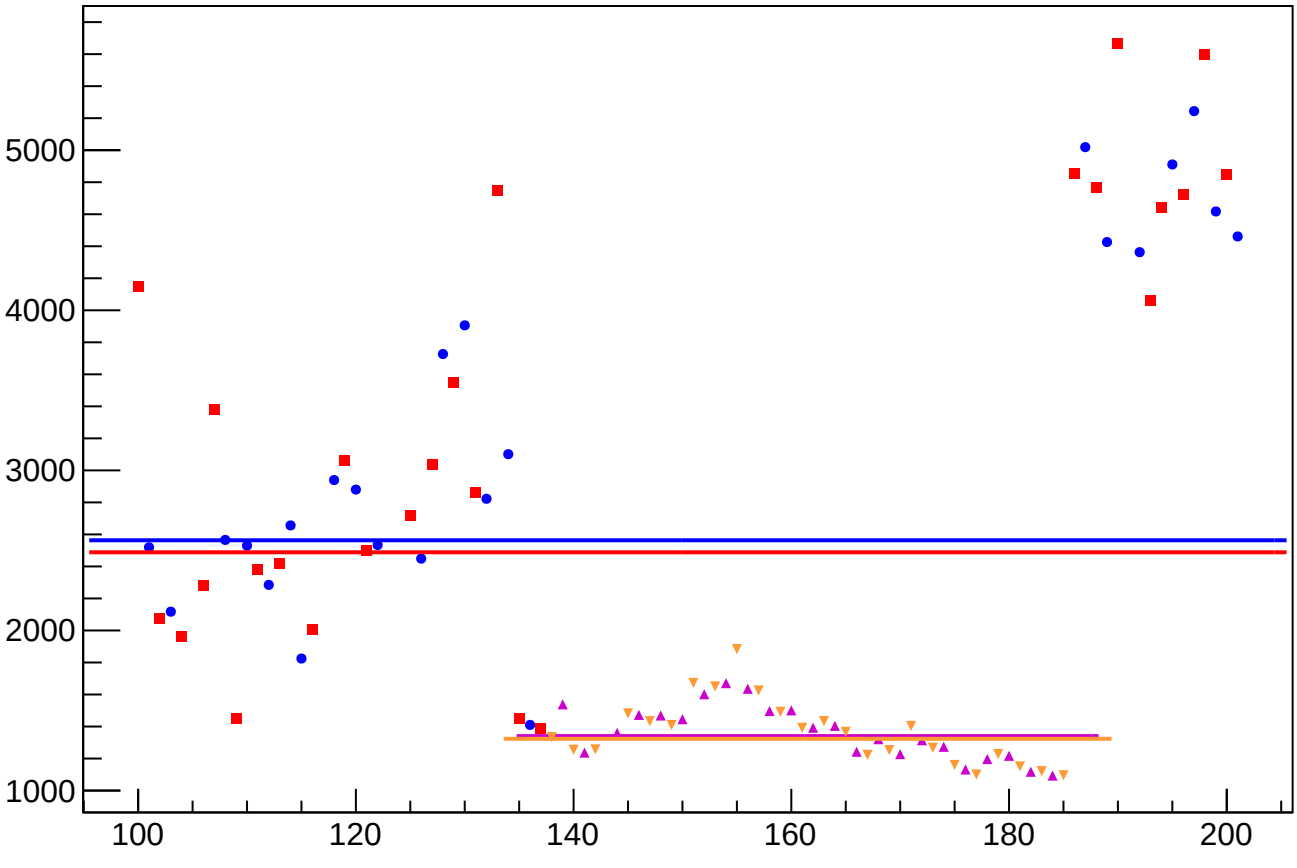
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -64.066+/-547.705 χ^2/NDF: 51.0/48

In: 55.372+/-293.248 χ^2/NDF:57.7/45

Out: -894.955+/-287.348 χ^2/NDF:85.6/49

All: -429.448+/-205.240 χ^2/NDF: 148.7/95



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: 2488.399+/-0.535 χ^2/NDF: 4592520.4/25

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

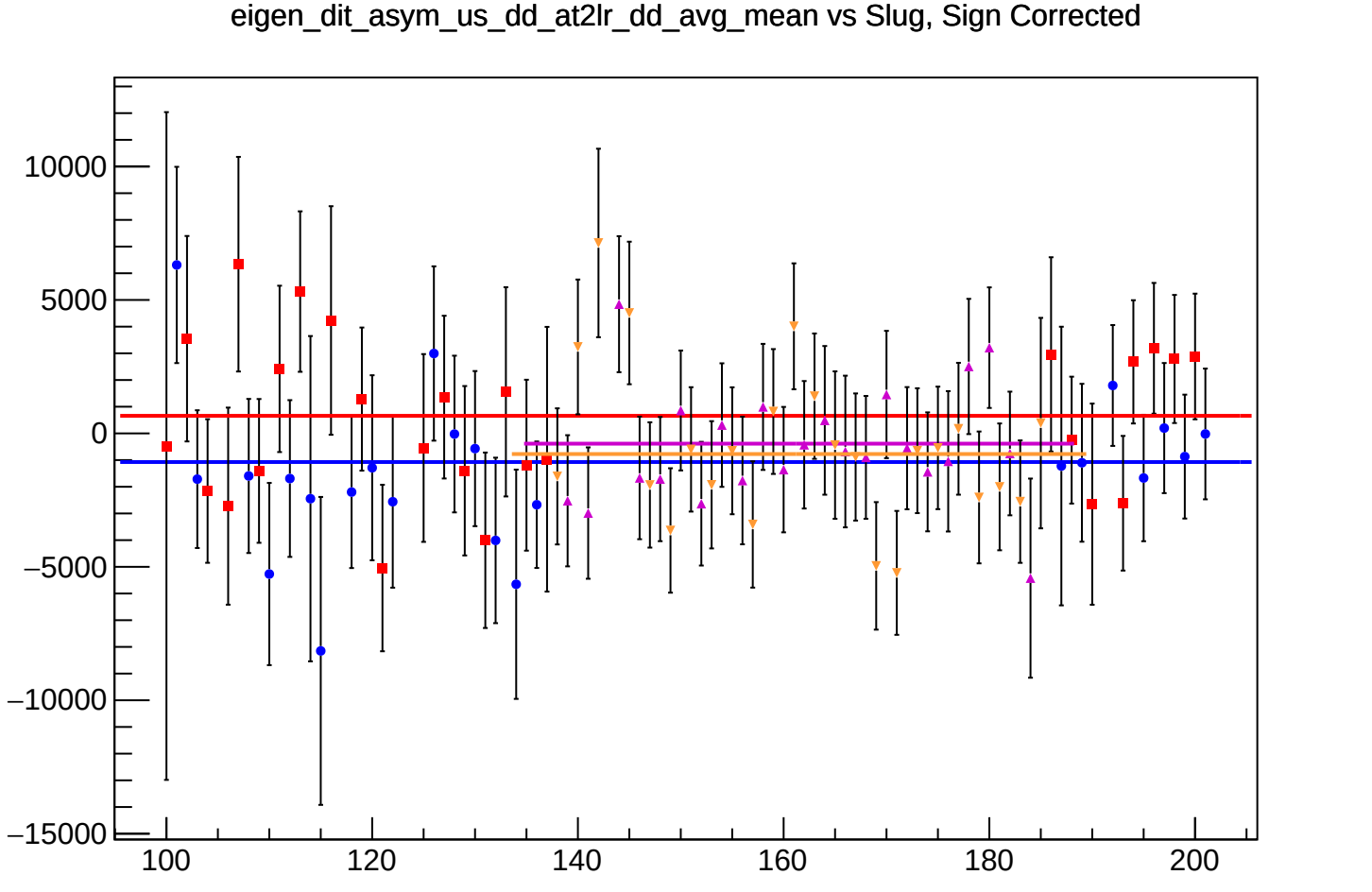
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

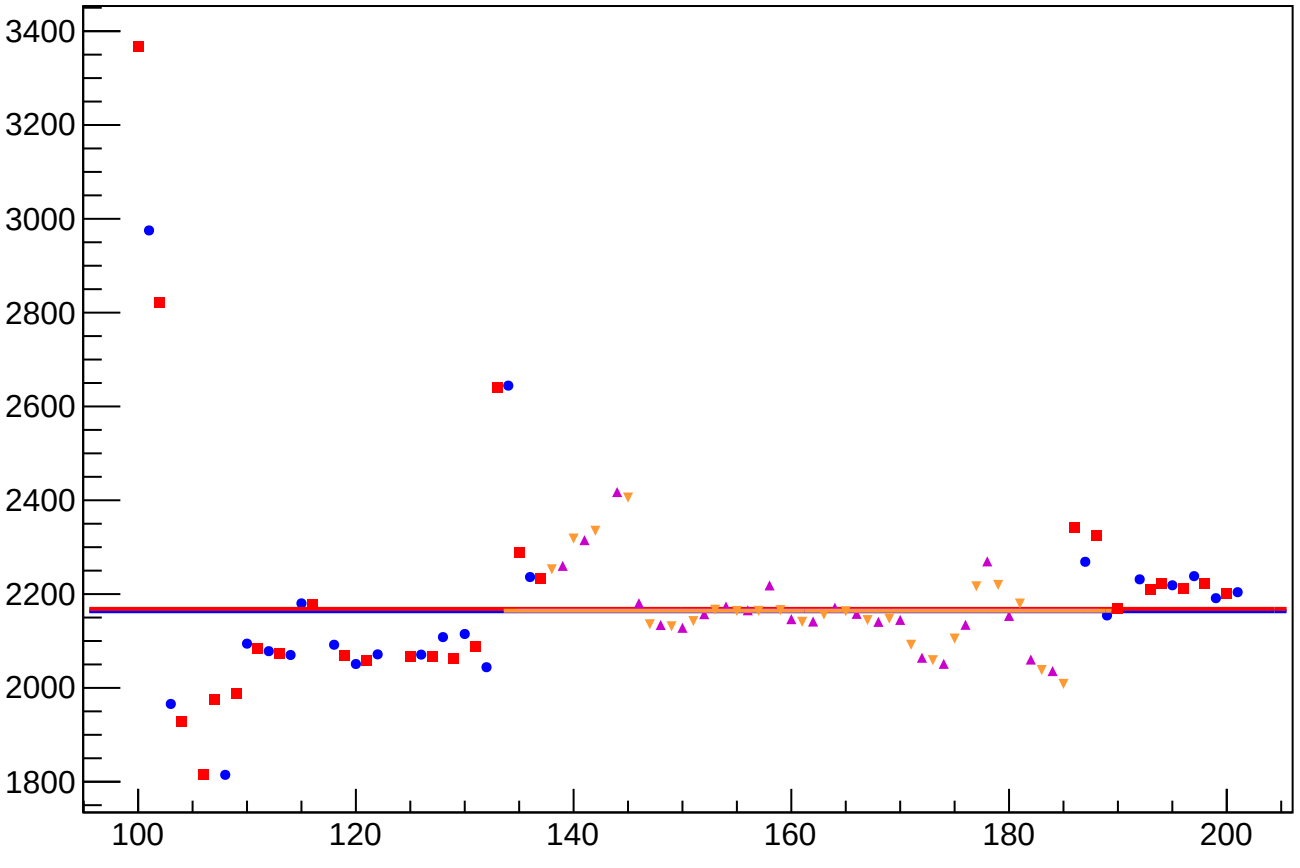
Right: 2524.084+/-0.387 χ^2/NDF: 8260093.5/48

In: 1506.995+/-0.207 χ^2/NDF:8253225.6/45

Out: 1491.440+/-0.203 χ^2/NDF:9314253.7/49

All: 1499.059+/-0.145 χ^2/NDF: 17570349.8/9


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: 658.161+/-601.190 χ²/NDF: 21.5/25
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -183.029+/-431.045 χ²/NDF: 39.5/48
In: -661.098+/-391.623 χ²/NDF:30.3/45
Out: -184.279+/-385.698 χ²/NDF:53.4/49
All: -419.054+/-274.801 χ²/NDF: 84.5/95



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: 2168.469+/-0.425 χ^2/NDF: 188527.0/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

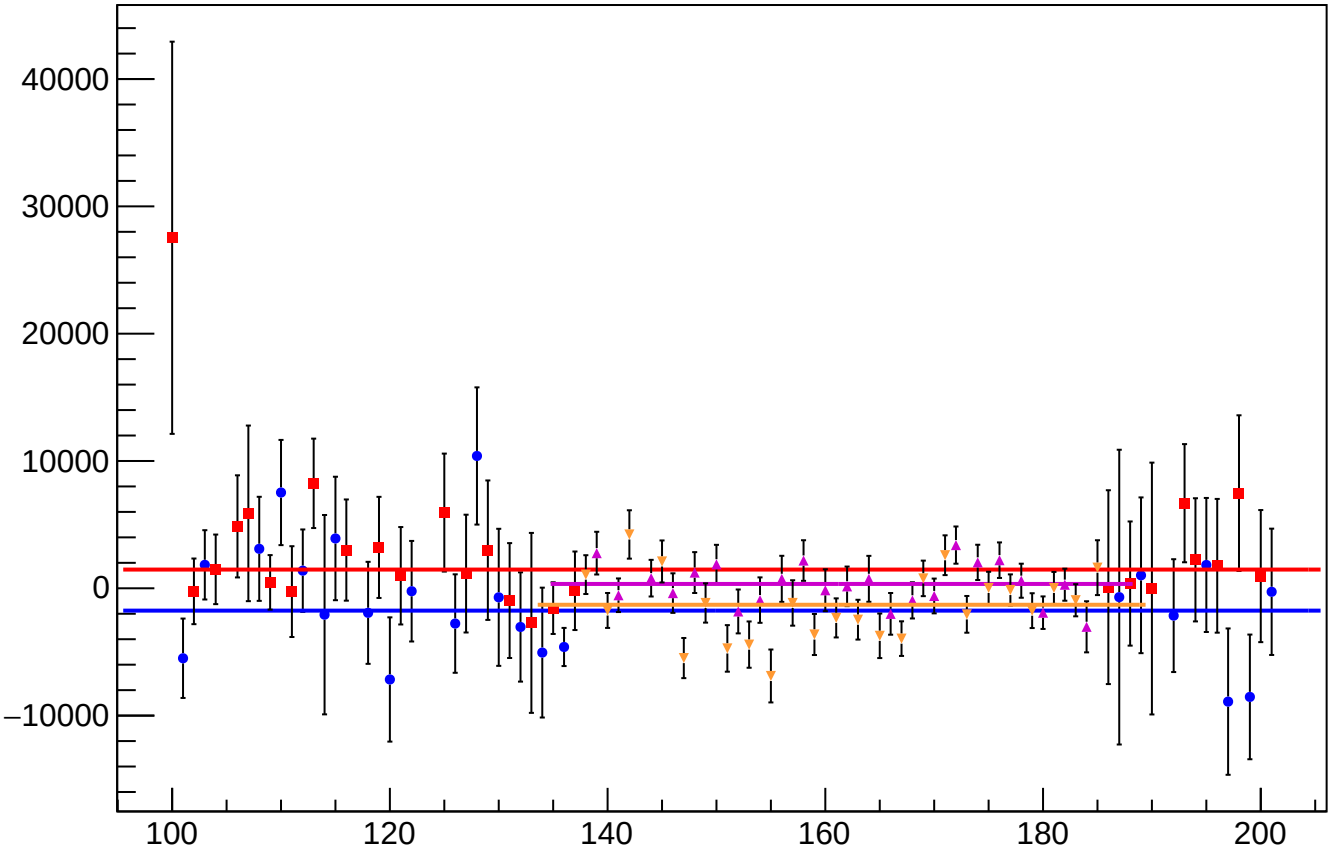
Right: 2166.030+/-0.305 χ^2/NDF: 374235.4/48

In: 2164.763+/-0.277 χ^2/NDF:237780.2/45

Out: 2166.152+/-0.273 χ^2/NDF:239253.8/49

All: 2165.468+/-0.194 χ^2/NDF: 477046.7/95

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: 1470.880+/-756.603 χ^2/NDF: 15.5/25

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

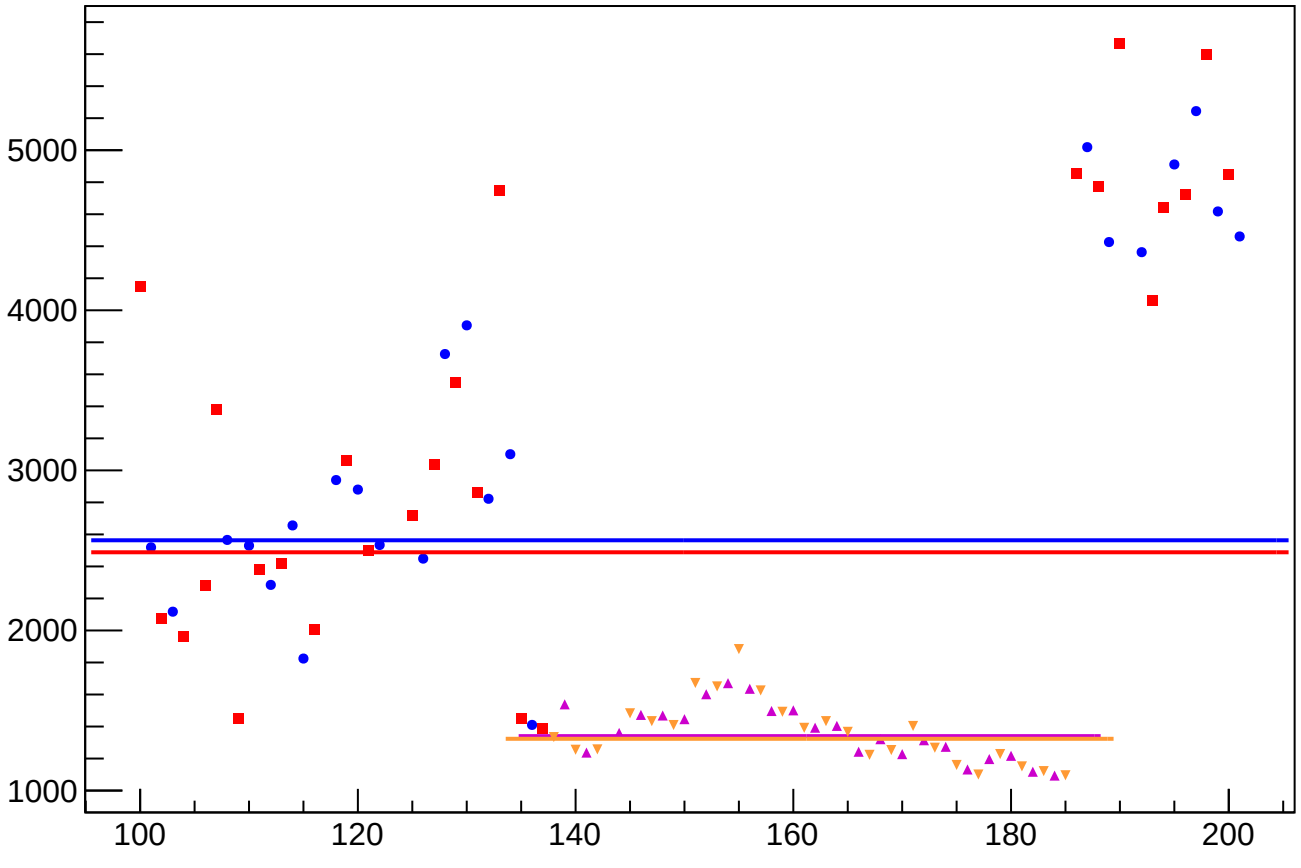
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -64.053+/-547.706 χ^2/NDF: 51.0/48

In: 55.373+/-293.248 χ^2/NDF:57.7/45

Out: -894.956+/-287.348 χ^2/NDF:85.6/49

All: -429.448+/-205.240 χ^2/NDF: 148.7/95



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: 2488.412+/-0.535 χ^2/NDF: 4592442.9/25

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

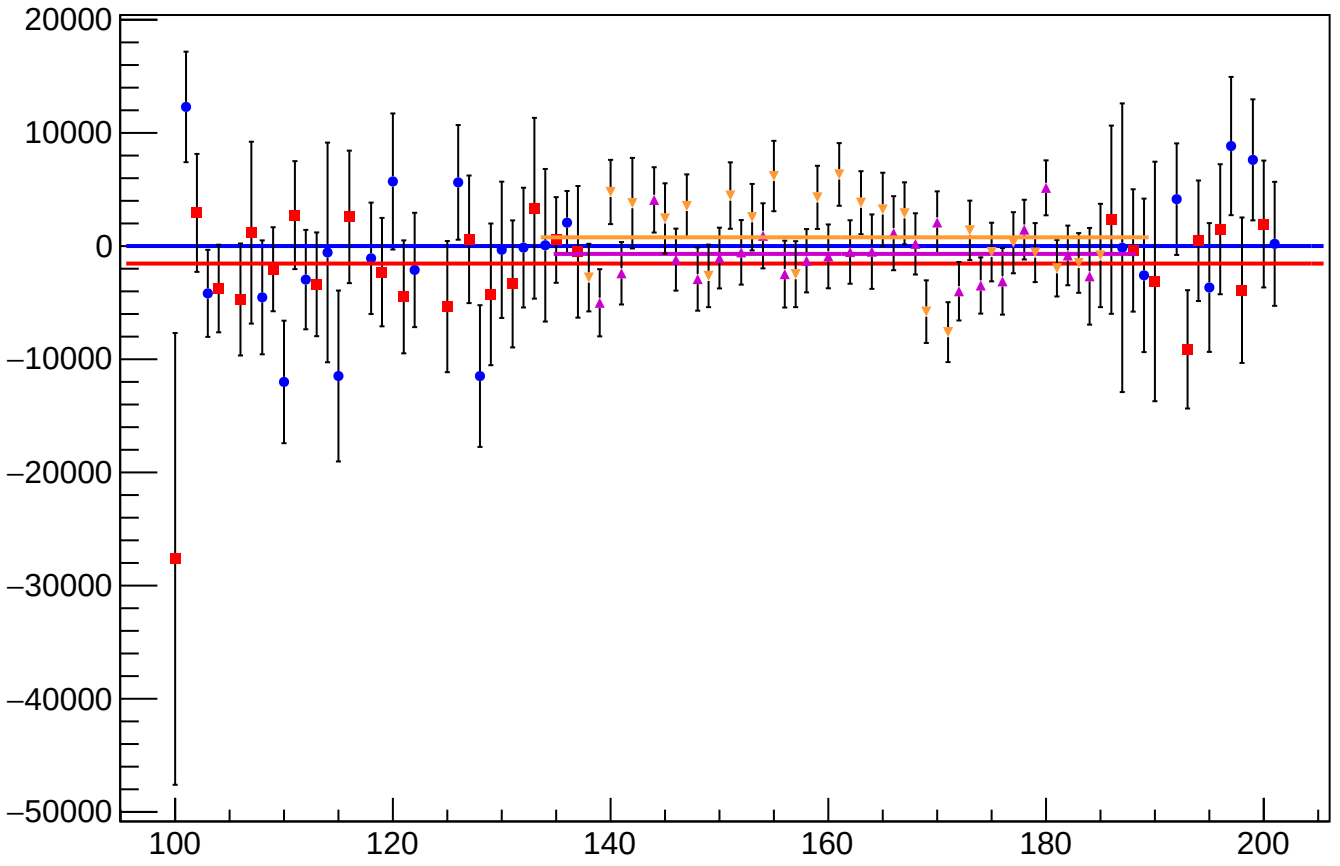
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2524.097+/-0.387 χ^2/NDF: 8259934.4/48

In: 1506.994+/-0.207 χ^2/NDF:8253227.4/45

Out: 1491.441+/-0.203 χ^2/NDF:9314243.1/49

All: 1499.060+/-0.145 χ^2/NDF: 17570340.4/9



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: -1543.003+/-1060.717 χ^2/NDF: 10.1/25

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

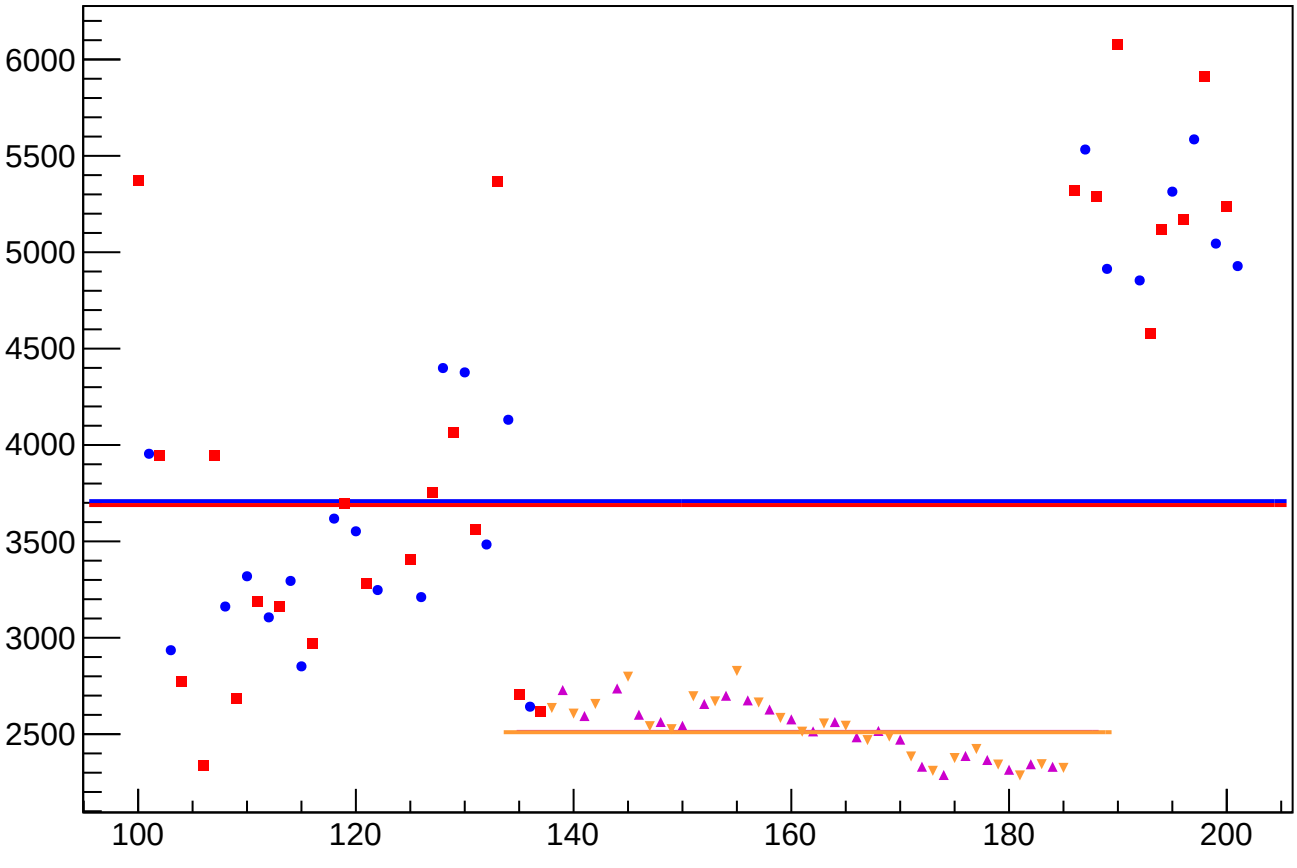
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -789.413+/-759.761 χ^2/NDF: 38.8/48

In: -533.385+/-516.983 χ^2/NDF:46.3/45

Out: 236.068+/-511.380 χ^2/NDF:53.1/49

All: -144.466+/-363.565 χ^2/NDF: 100.5/95



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: 3688.474+/-0.750 χ^2/NDF: 1905434.8/25

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

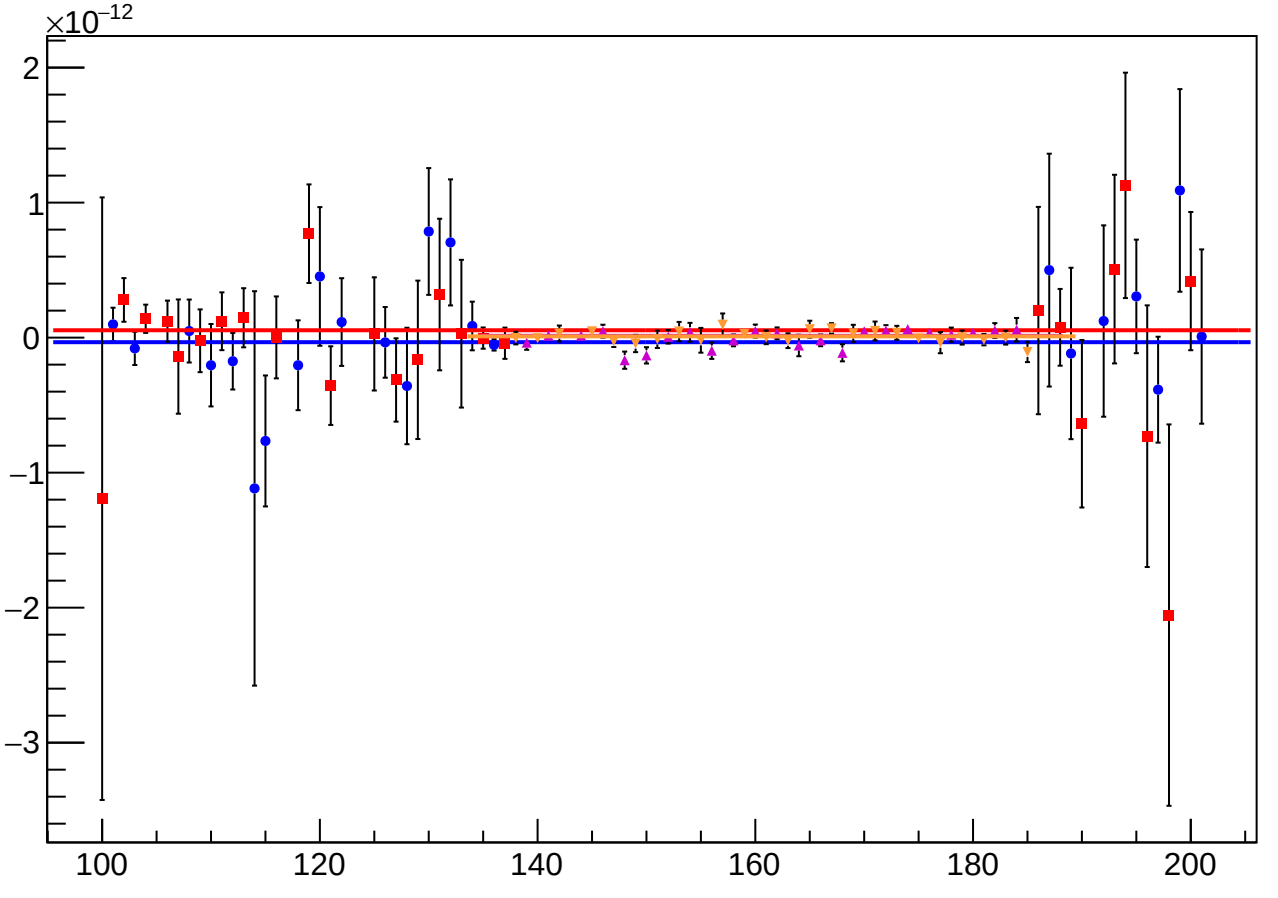
Right: 3698.337+/-0.537 χ^2/NDF: 3265089.9/48

In: 2781.525+/-0.366 χ^2/NDF:3345520.8/45

Out: 2783.968+/-0.362 χ^2/NDF:3928797.7/49

All: 2782.760+/-0.257 χ^2/NDF: 7274341.1/95

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: 19.3/25

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

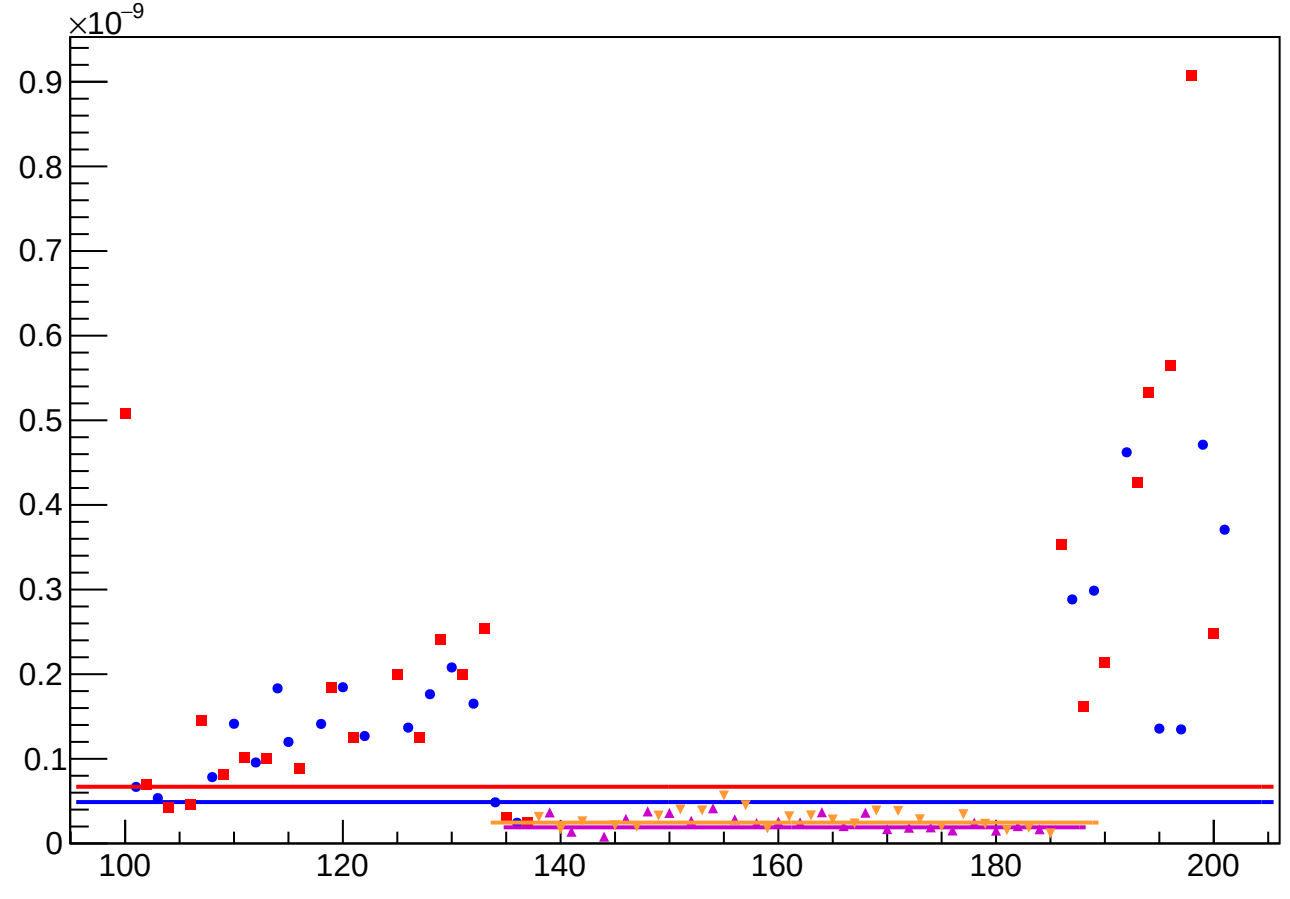
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 39.3/48

In: 0.000+/-0.000 χ^2/NDF:50.1/45

Out: 0.000+/-0.000 χ^2/NDF:32.6/49

All: 0.000+/-0.000 χ^2/NDF: 82.6/95



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: 5434790.0/25

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

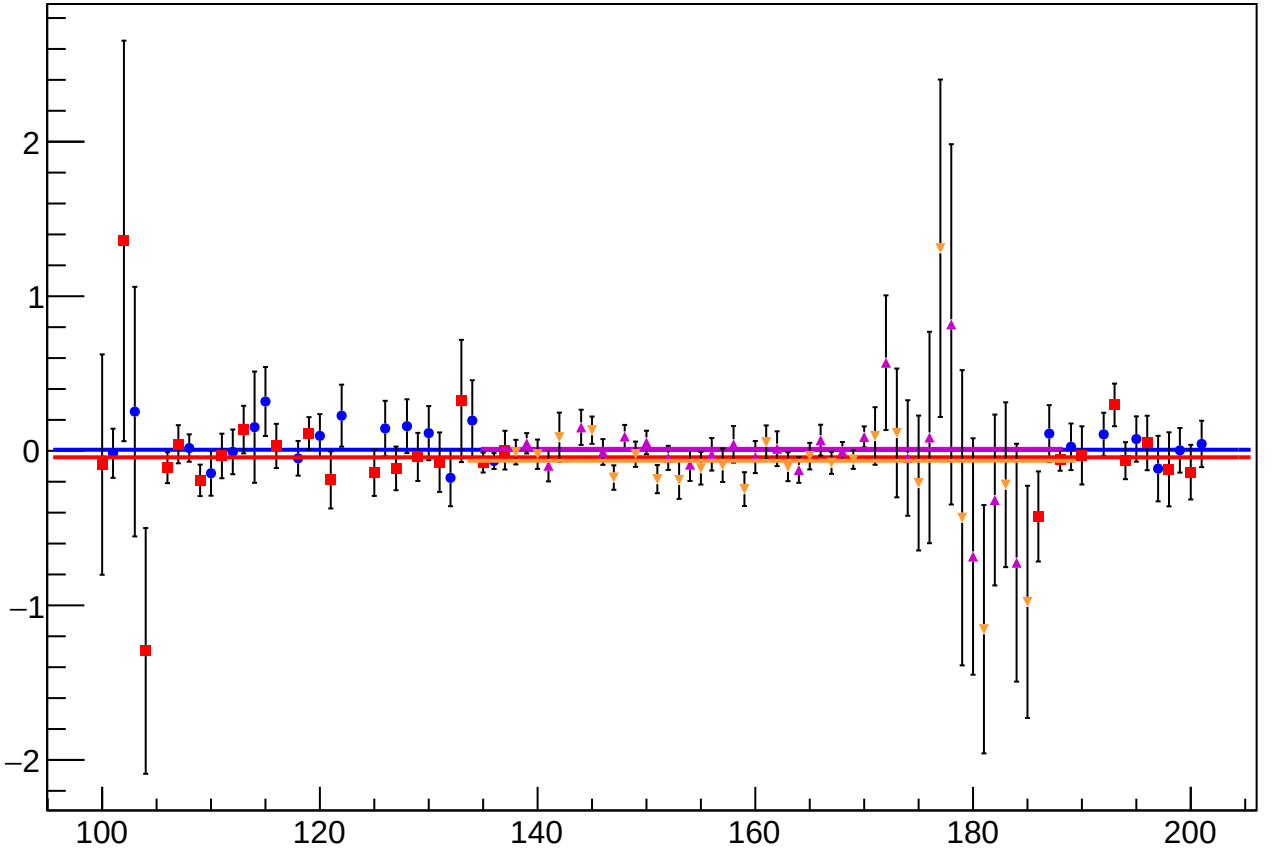
Right: 0.000+/-0.000 χ^2/NDF: 10384710.4/48

In: 0.000+/-0.000 χ^2/NDF:8375150.8/45

Out: 0.000+/-0.000 χ^2/NDF:8740657.6/49

All: 0.000+/-0.000 χ^2/NDF: 17571830.5/95

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: -0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

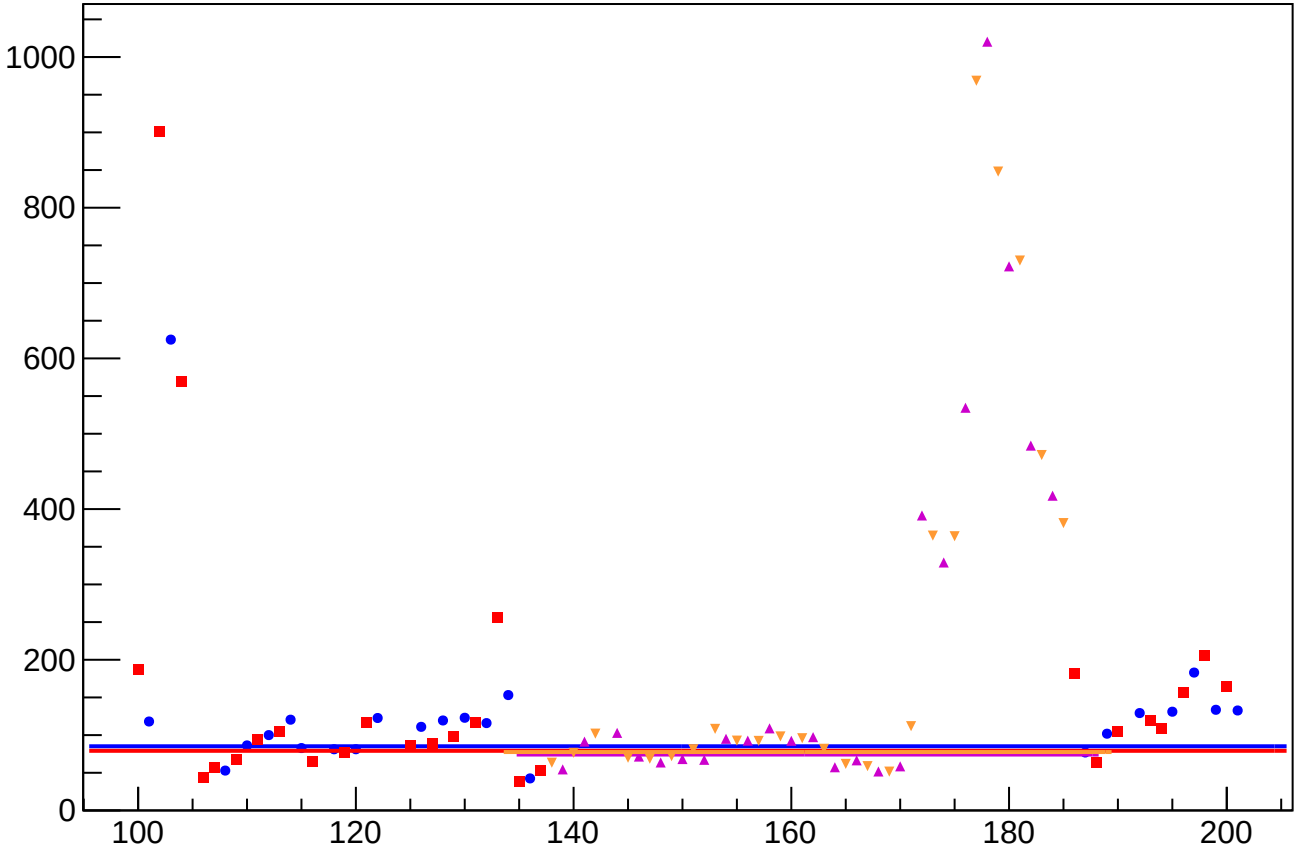
Right: -0.019+/-0.019 χ^2/NDF: 35.1/48

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.022+/-0.012 χ^2/NDF: 78.9/95

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: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

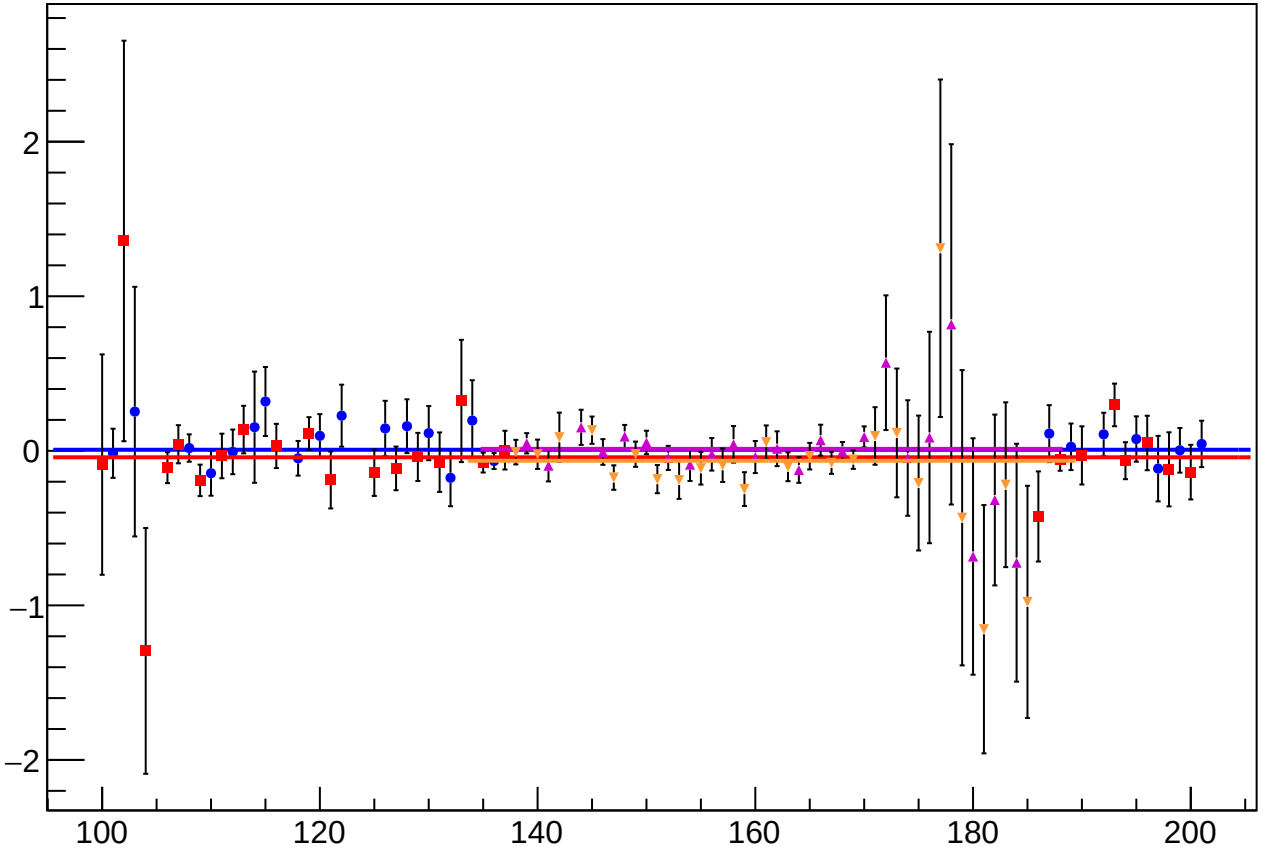
Right: 81.962+/-0.014 χ^2/NDF: 10076487.2/48

In: 78.137+/-0.012 χ^2/NDF:13111000.0/45

Out: 78.211+/-0.012 χ^2/NDF:13959755.7/49

All: 78.174+/-0.008 χ^2/NDF: 27070774.3/95

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: -0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

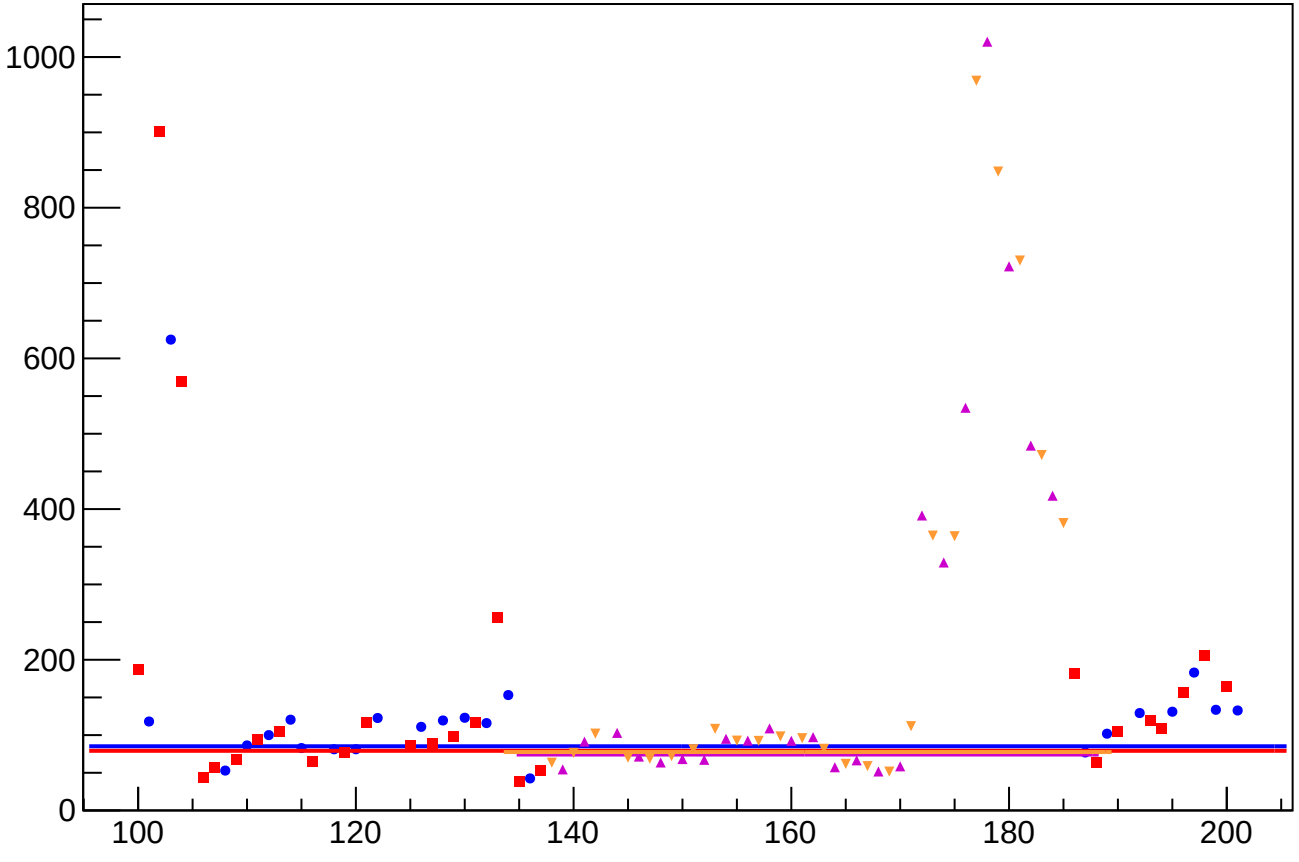
Right: -0.019+/-0.019 χ^2/NDF: 35.1/48

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.022+/-0.012 χ^2/NDF: 78.9/95

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: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

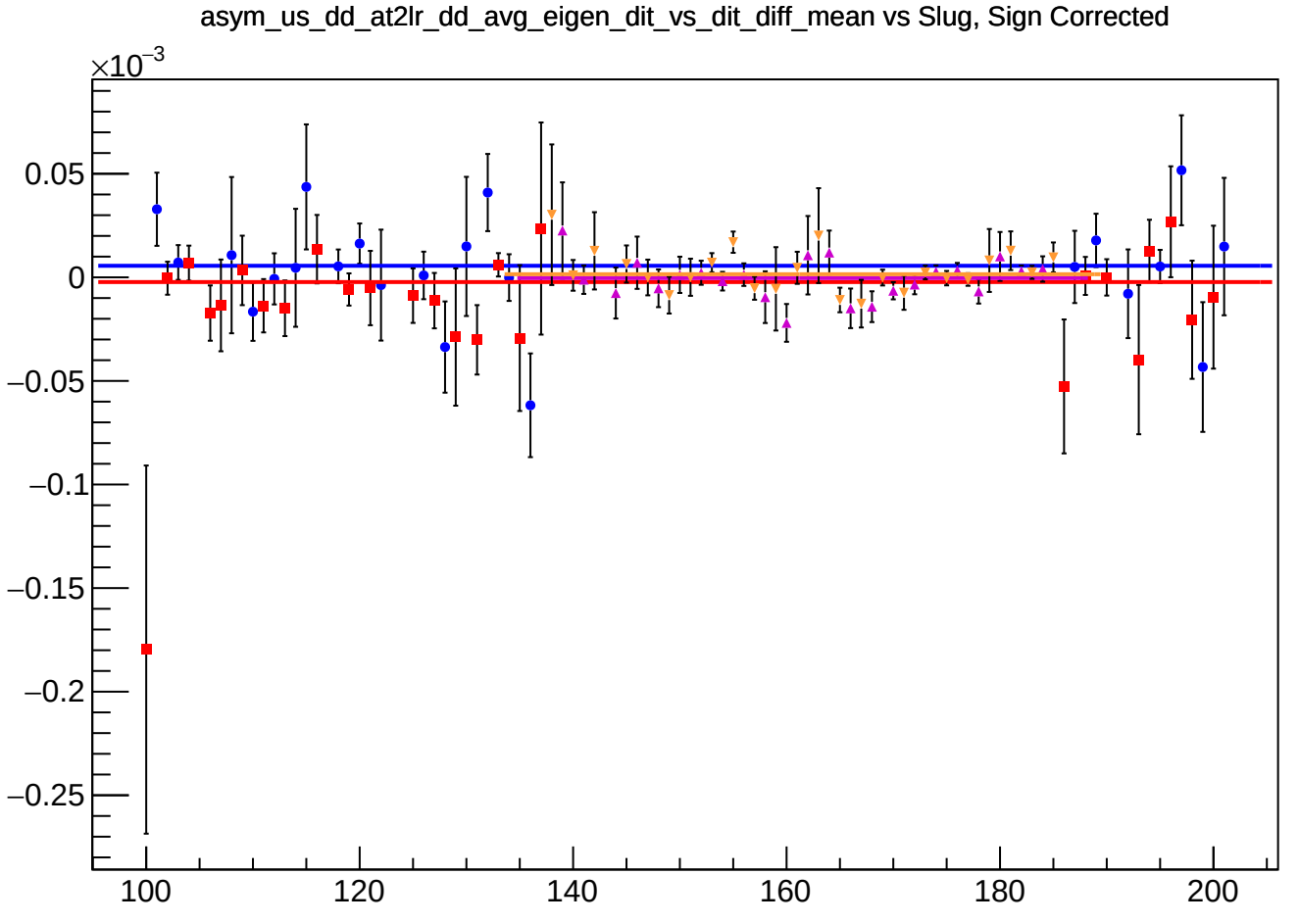
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 81.962+/-0.014 χ^2/NDF: 10076487.2/48

In: 78.137+/-0.012 χ^2/NDF:13111000.0/45

Out: 78.211+/-0.012 χ^2/NDF:13959755.7/49

All: 78.174+/-0.008 χ^2/NDF: 27070774.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/25

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

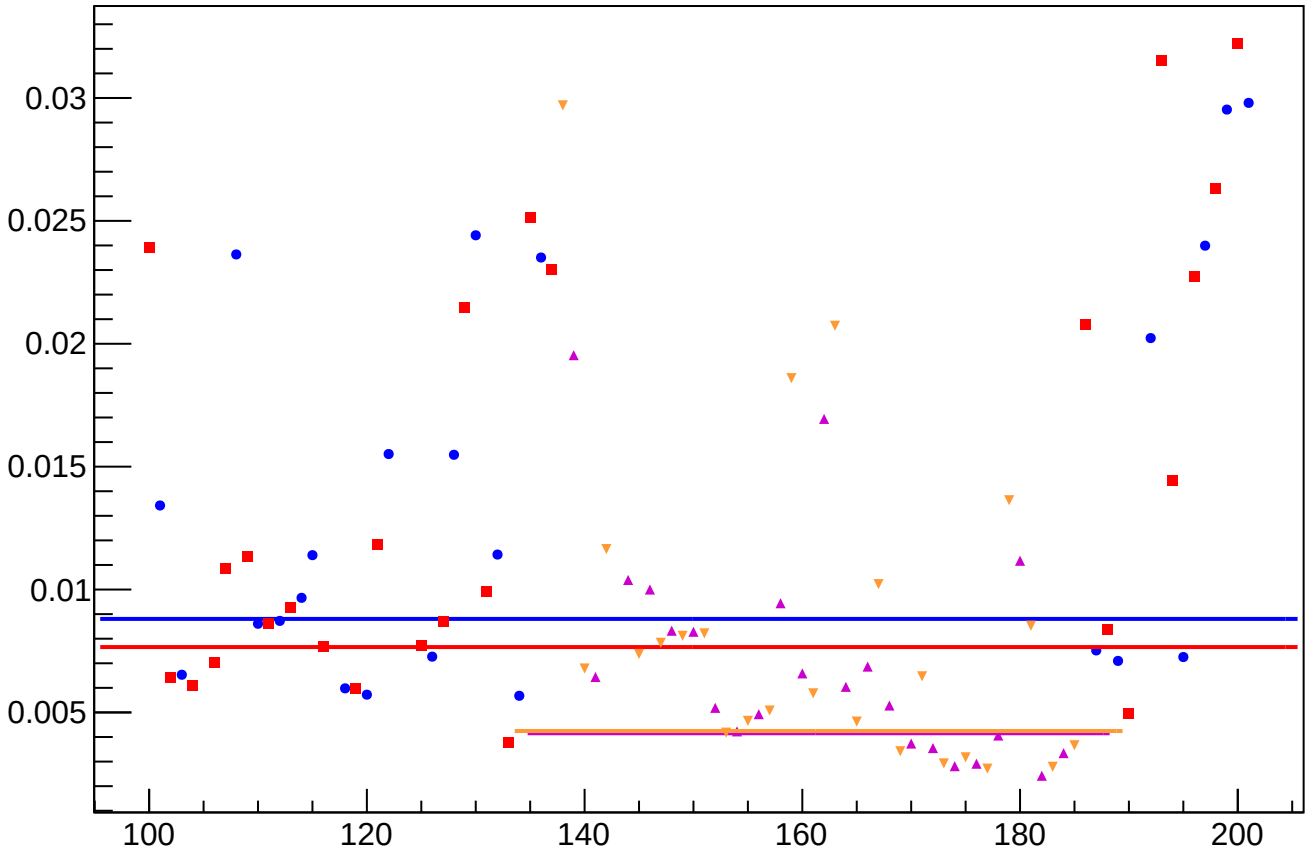
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: 0.000+/-0.000 χ^2/NDF: 56.6/48

In: 0.000+/-0.000 χ^2/NDF:57.5/45

Out: 0.000+/-0.000 χ^2/NDF:52.1/49

All: 0.000+/-0.000 χ^2/NDF: 109.6/95



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: 0.008+/-0.000 χ^2/NDF: 6898415.2/25

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

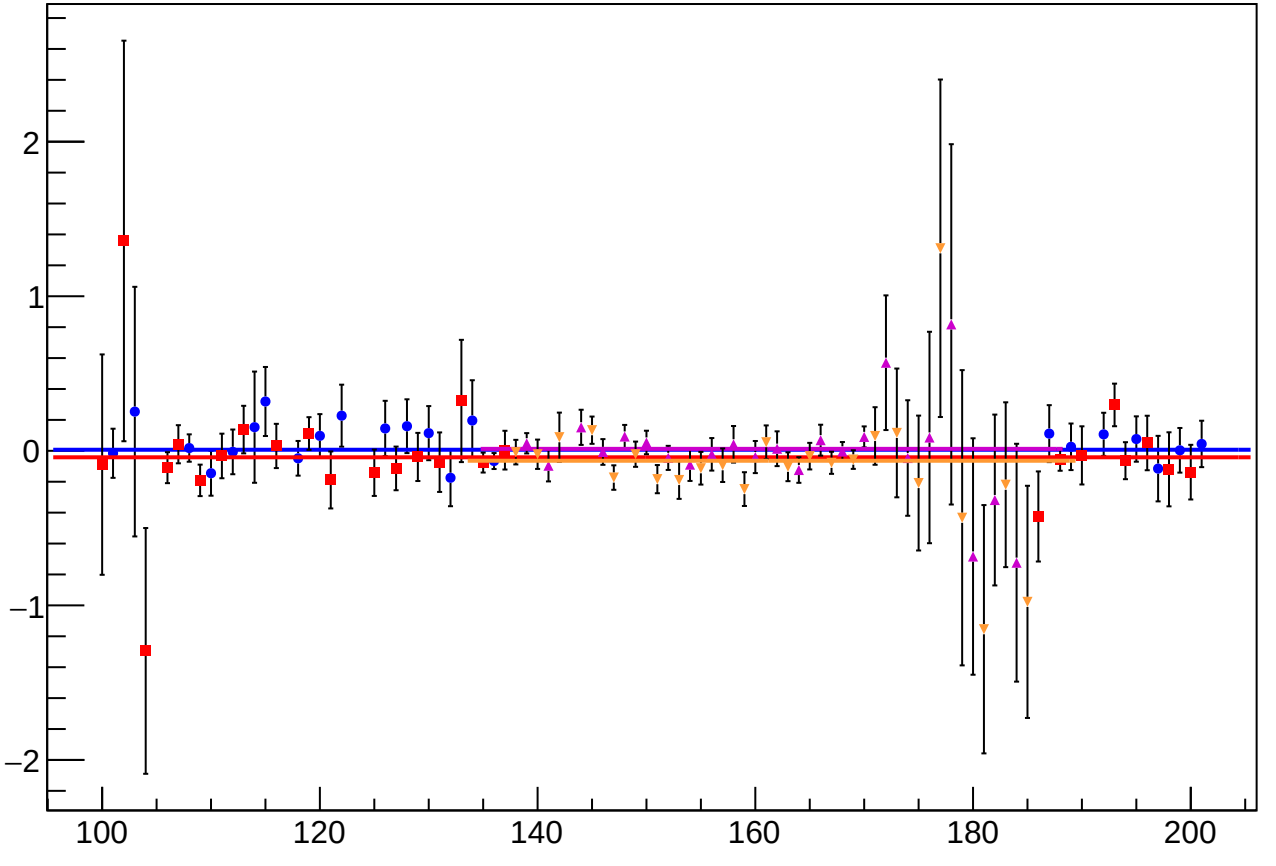
Right: 0.008+/-0.000 χ^2/NDF: 12806700.8/48

In: 0.005+/-0.000 χ^2/NDF:16822069.7/45

Out: 0.005+/-0.000 χ^2/NDF:18605481.8/49

All: 0.005+/-0.000 χ^2/NDF: 35430252.6/95

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: -0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

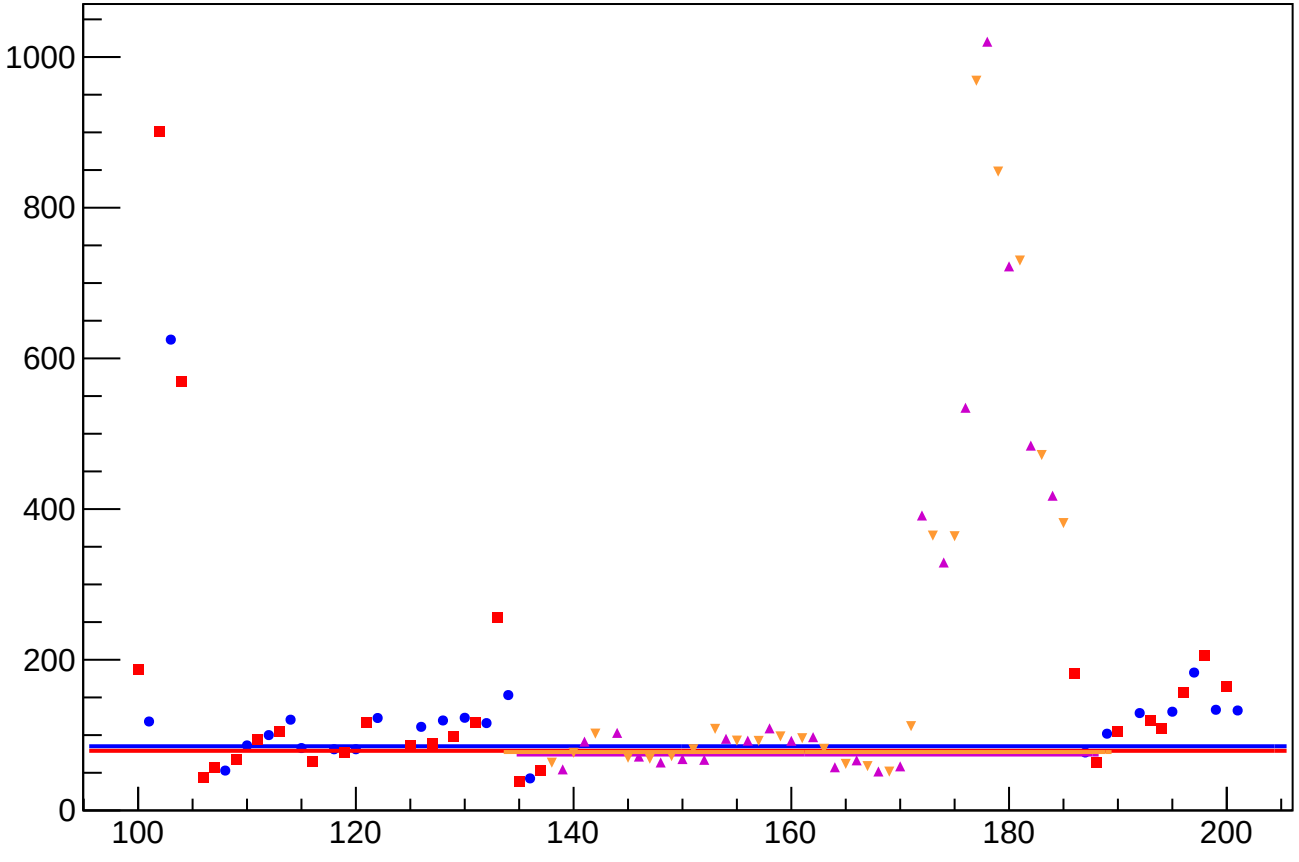
Right: -0.019+/-0.019 χ^2/NDF: 35.1/48

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.022+/-0.012 χ^2/NDF: 78.9/95

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: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

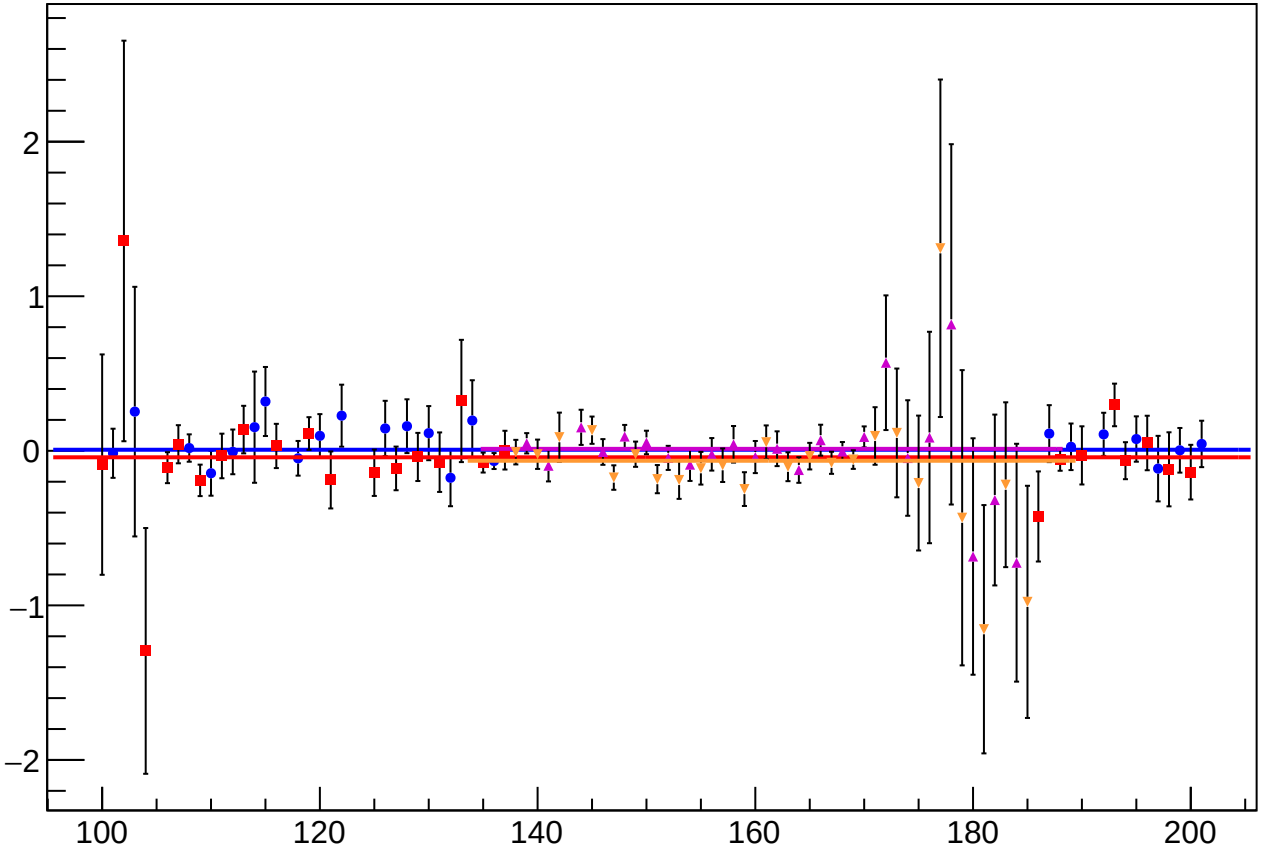
Right: 81.968+/-0.014 χ^2/NDF: 10074975.7/48

In: 78.146+/-0.012 χ^2/NDF:13107901.2/45

Out: 78.207+/-0.012 χ^2/NDF:13961144.9/49

All: 78.176+/-0.008 χ^2/NDF: 27069059.1/95

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: -0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

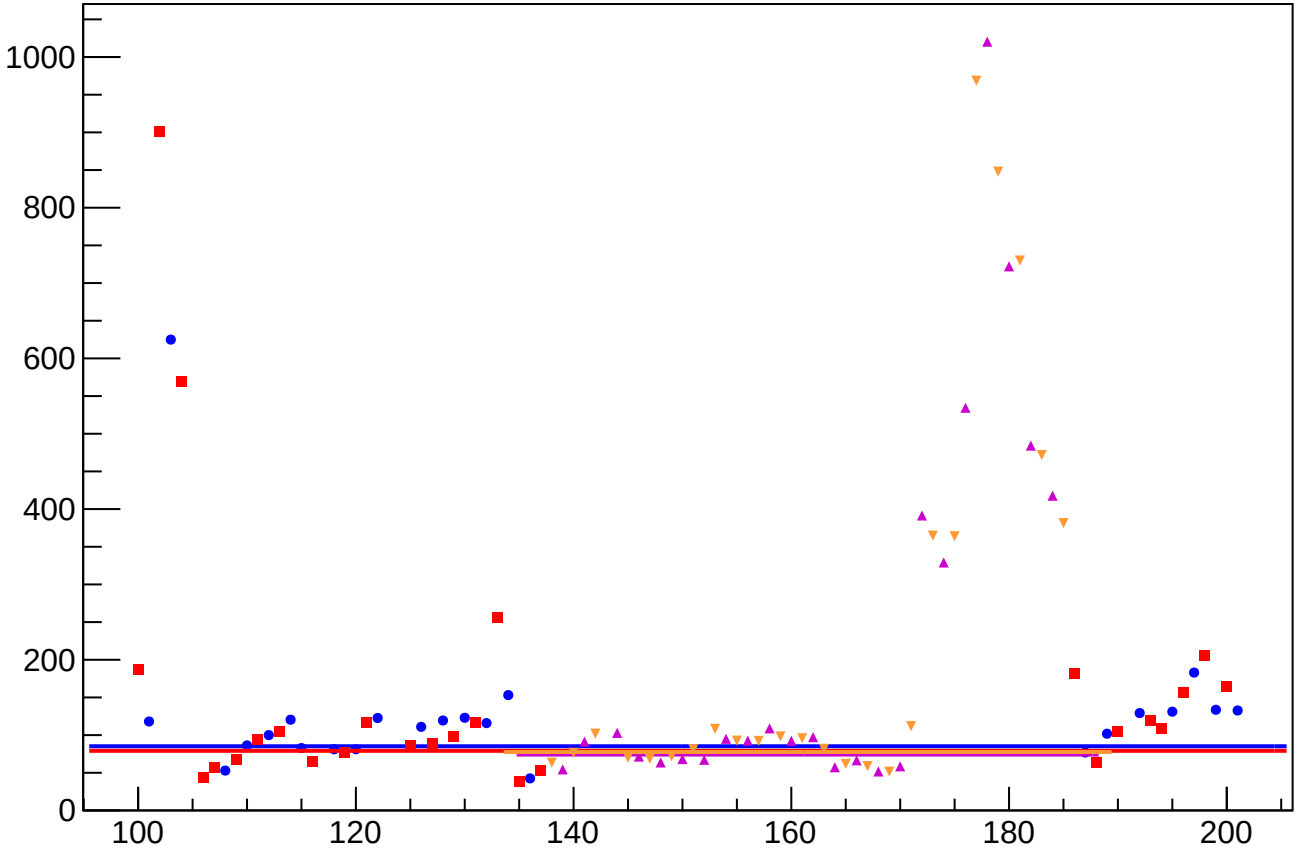
Right: -0.019+/-0.019 χ^2/NDF: 35.1/48

In: 0.011+/-0.017 χ^2/NDF:27.0/45

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.022+/-0.012 χ^2/NDF: 78.9/95

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: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

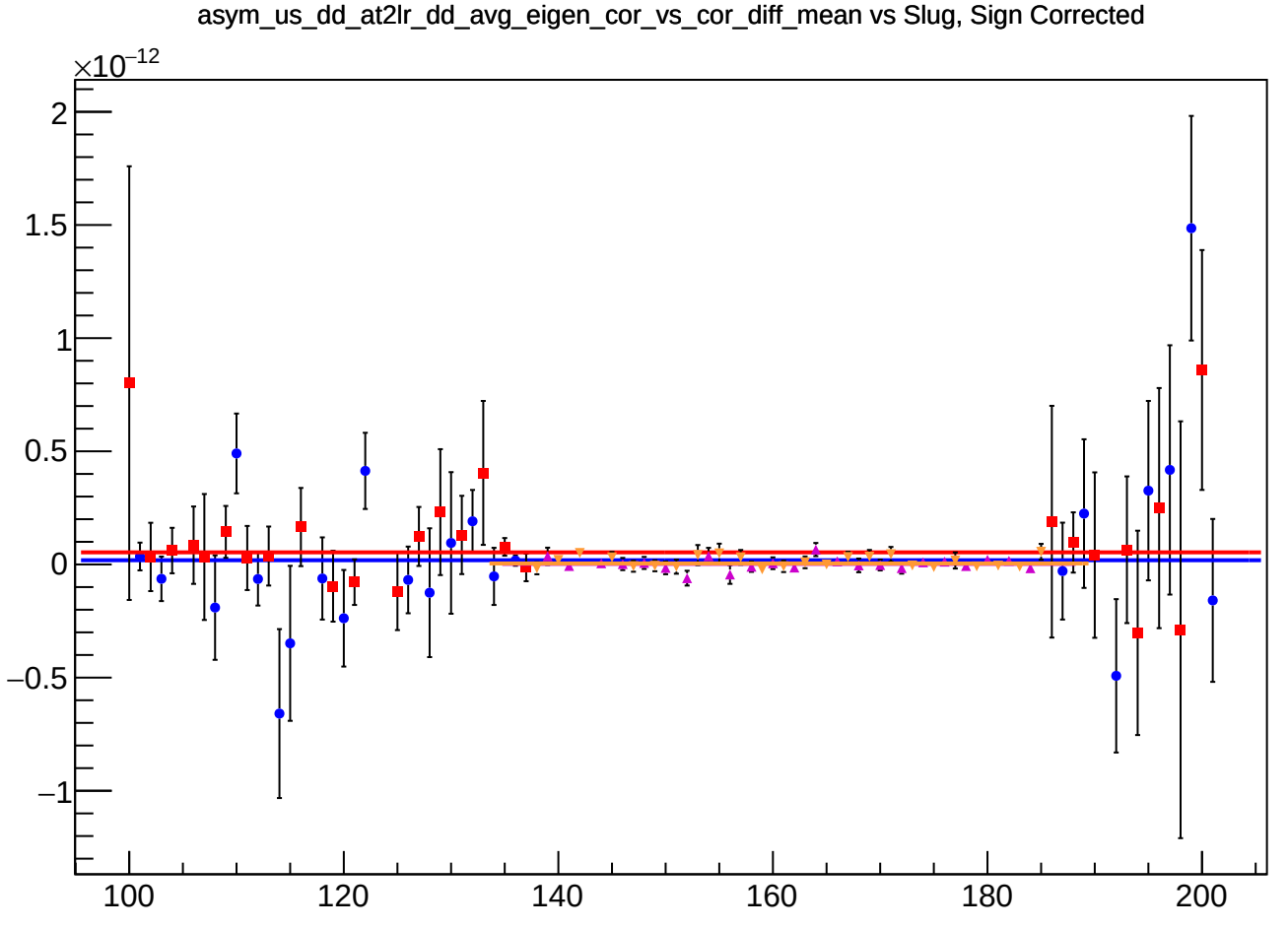
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 81.968+/-0.014 χ^2/NDF: 10074975.7/48

In: 78.146+/-0.012 χ^2/NDF:13107901.2/45

Out: 78.207+/-0.012 χ^2/NDF:13961144.9/49

All: 78.176+/-0.008 χ^2/NDF: 27069059.1/95



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: 12.5/25

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

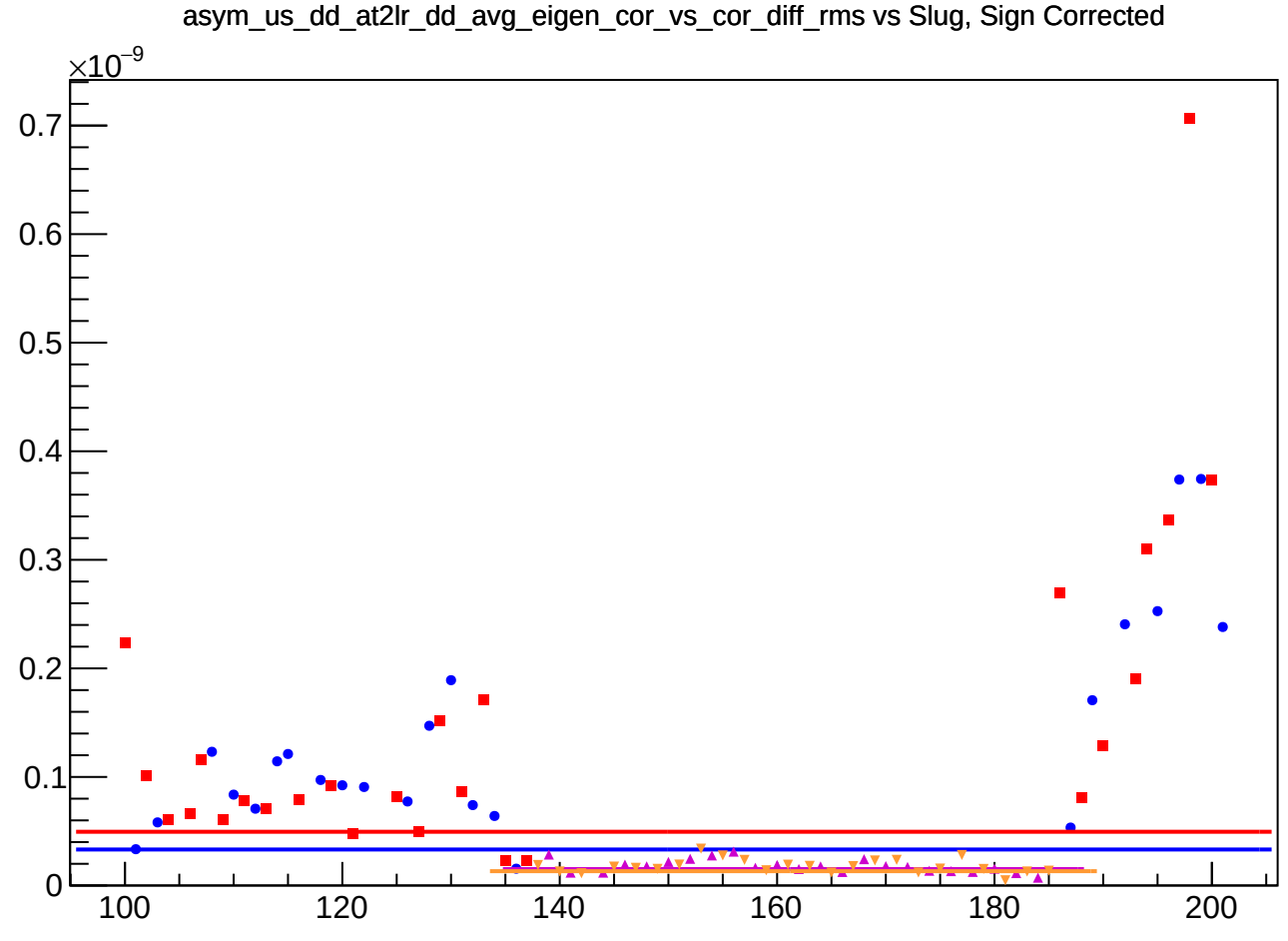
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

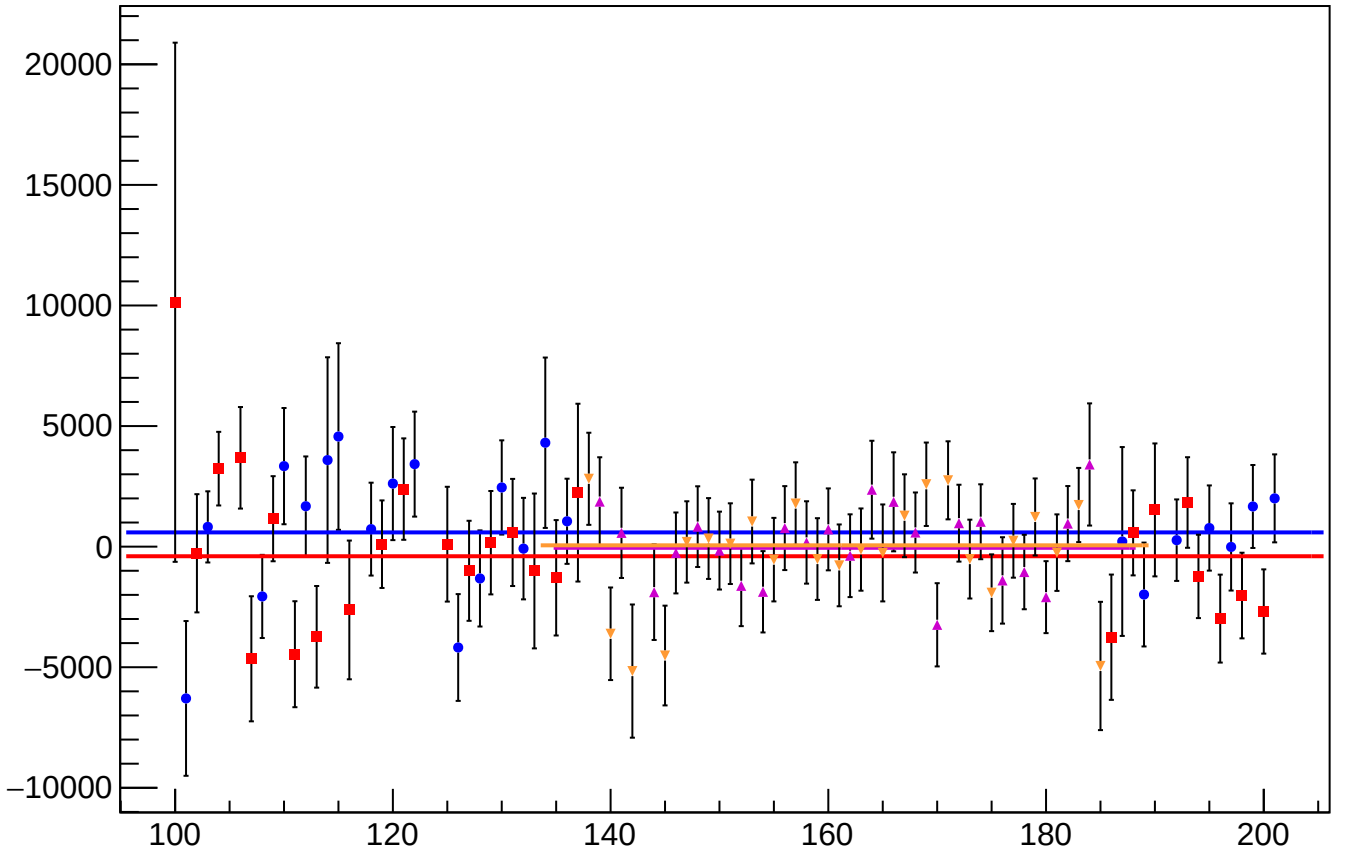
Right: 0.000+/-0.000 χ^2/NDF: 49.9/48

In: 0.000+/-0.000 χ^2/NDF:54.4/45

Out: 0.000+/-0.000 χ^2/NDF:38.1/49

All: 0.000+/-0.000 χ^2/NDF: 92.7/95


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: 6840496.0/25
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: 15636157.5/48
In: 0.000+/-0.000 χ²/NDF:12063213.4/45
Out: 0.000+/-0.000 χ²/NDF:15461754.7/49
All: 0.000+/-0.000 χ²/NDF: 27691653.9/95



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: -398.046+/-418.017 χ^2/NDF: 32.0/25

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

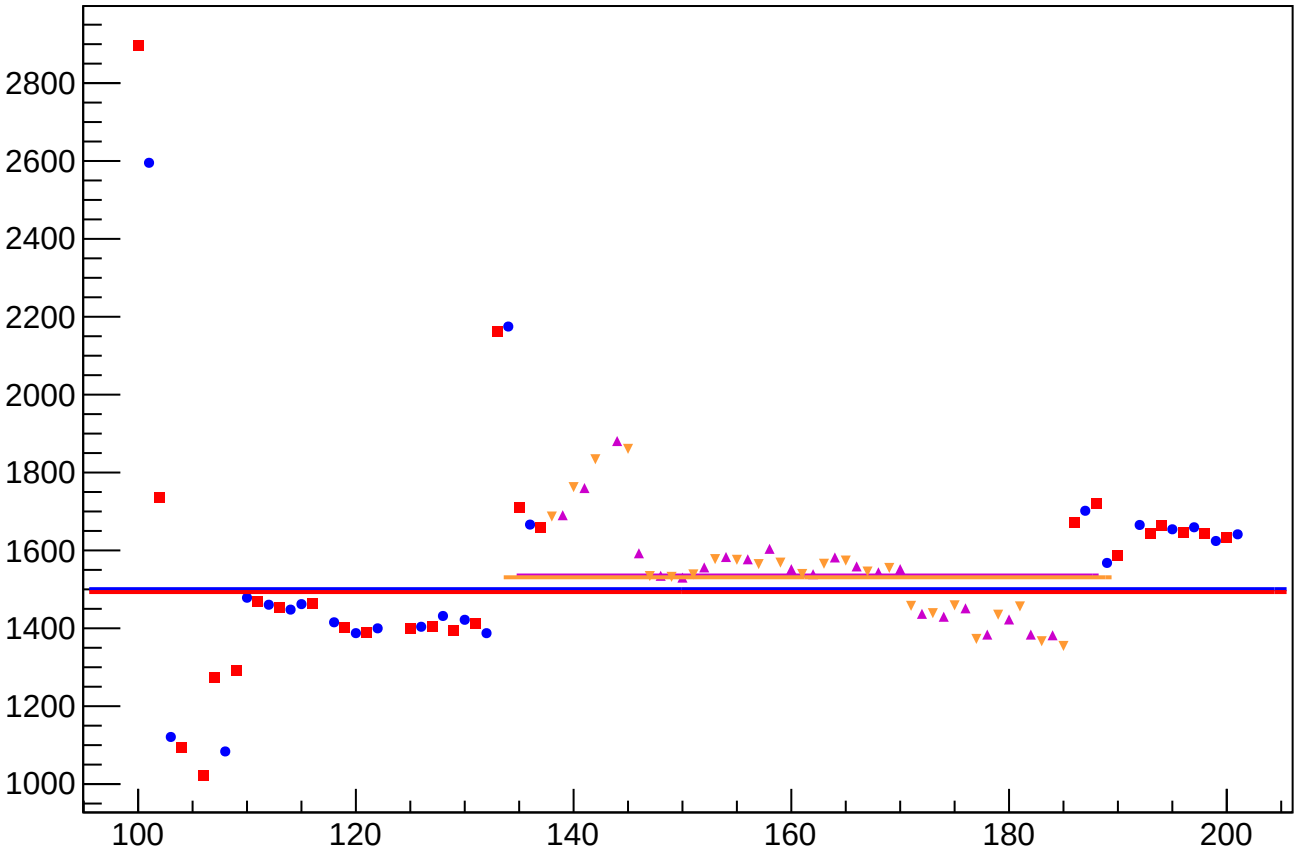
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 78.538+/-300.864 χ^2/NDF: 57.6/48

In: 212.307+/-276.704 χ^2/NDF:41.0/45

Out: -135.820+/-271.196 χ^2/NDF:61.1/49

All: 34.744+/-193.683 χ^2/NDF: 102.9/95



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: 1493.074+/-0.296 χ^2/NDF: 582259.7/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

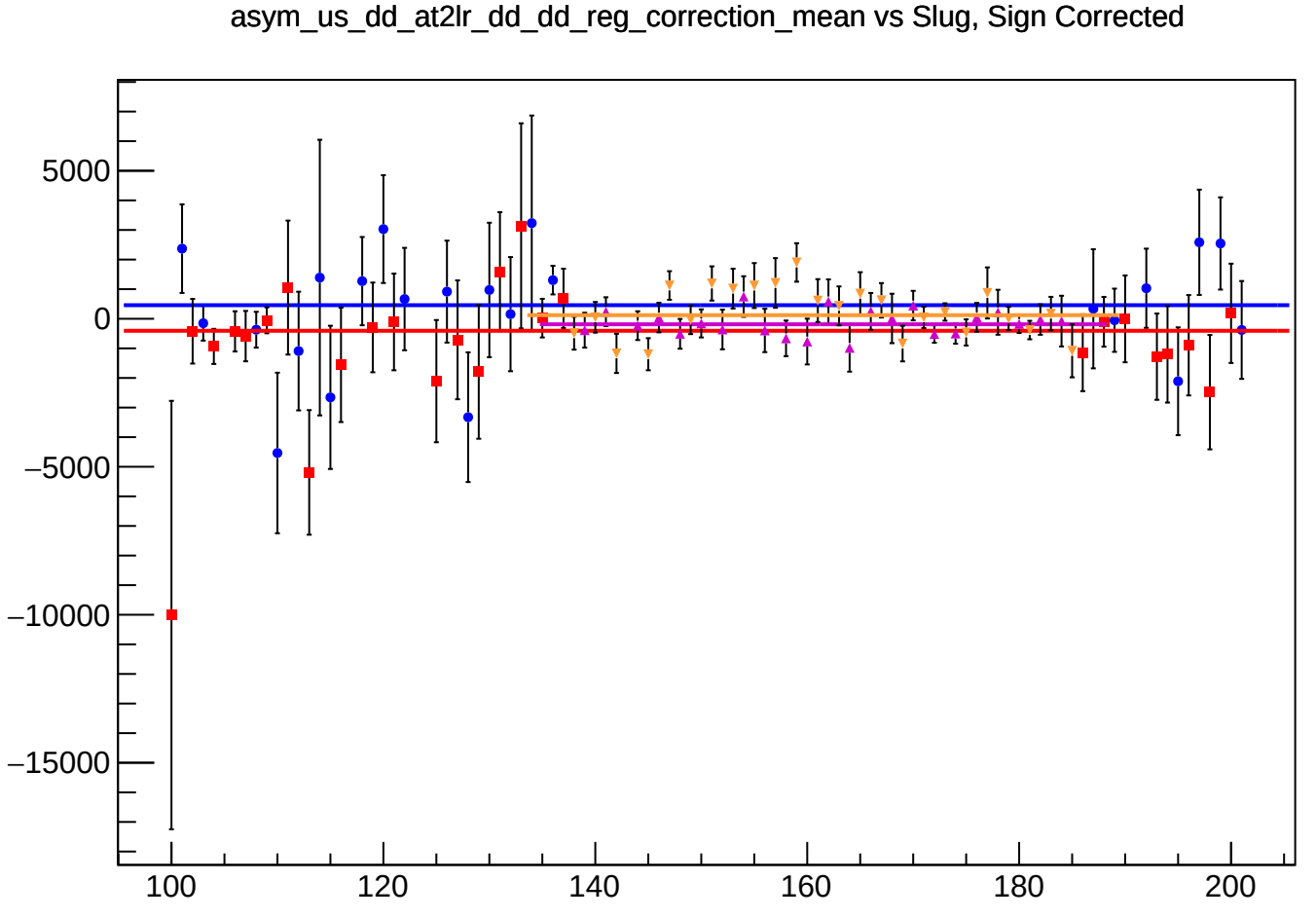
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1496.658+/-0.213 χ^2/NDF: 1263690.9/48

In: 1521.265+/-0.196 χ^2/NDF:881304.3/45

Out: 1515.023+/-0.192 χ^2/NDF:795321.0/49

All: 1518.081+/-0.137 χ^2/NDF: 1677144.5/95



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: -405.912+/-210.383 χ^2/NDF: 16.5/25

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

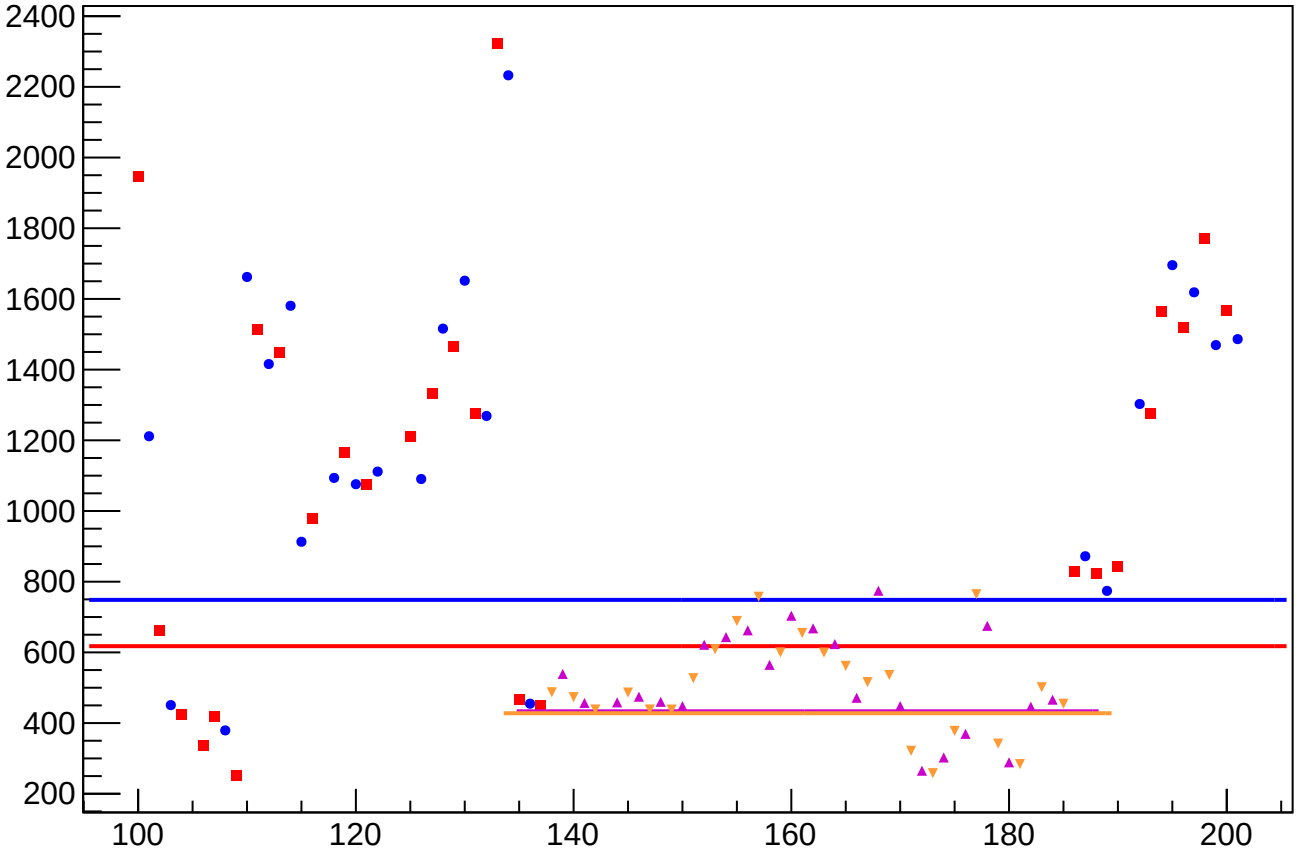
Right: -44.625+/-160.526 χ^2/NDF: 48.8/48

In: -85.780+/-98.248 χ^2/NDF:42.5/45

Out: 16.091+/-93.992 χ^2/NDF:65.1/49

All: -32.590+/-67.917 χ^2/NDF: 108.2/95

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: 617.598+/-0.149 χ^2/NDF: 8034248.9/25

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

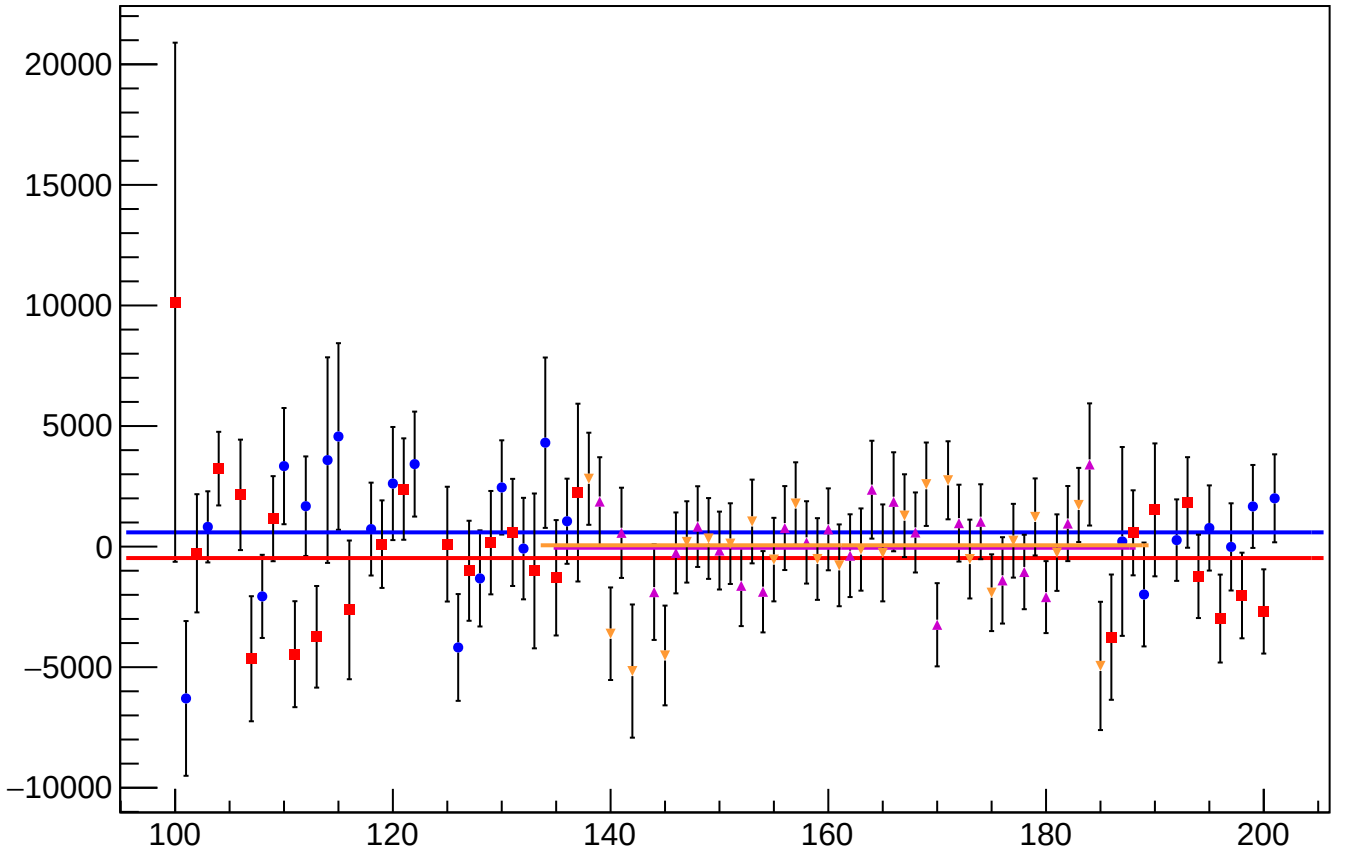
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 672.314+/-0.114 χ^2/NDF: 14646202.7/48

In: 482.626+/-0.069 χ^2/NDF:12254933.3/45

Out: 465.695+/-0.066 χ^2/NDF:12525079.4/49

All: 473.786+/-0.048 χ^2/NDF: 24811023.1/95



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: -474.809+/-419.298 χ^2/NDF: 29.4/25

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

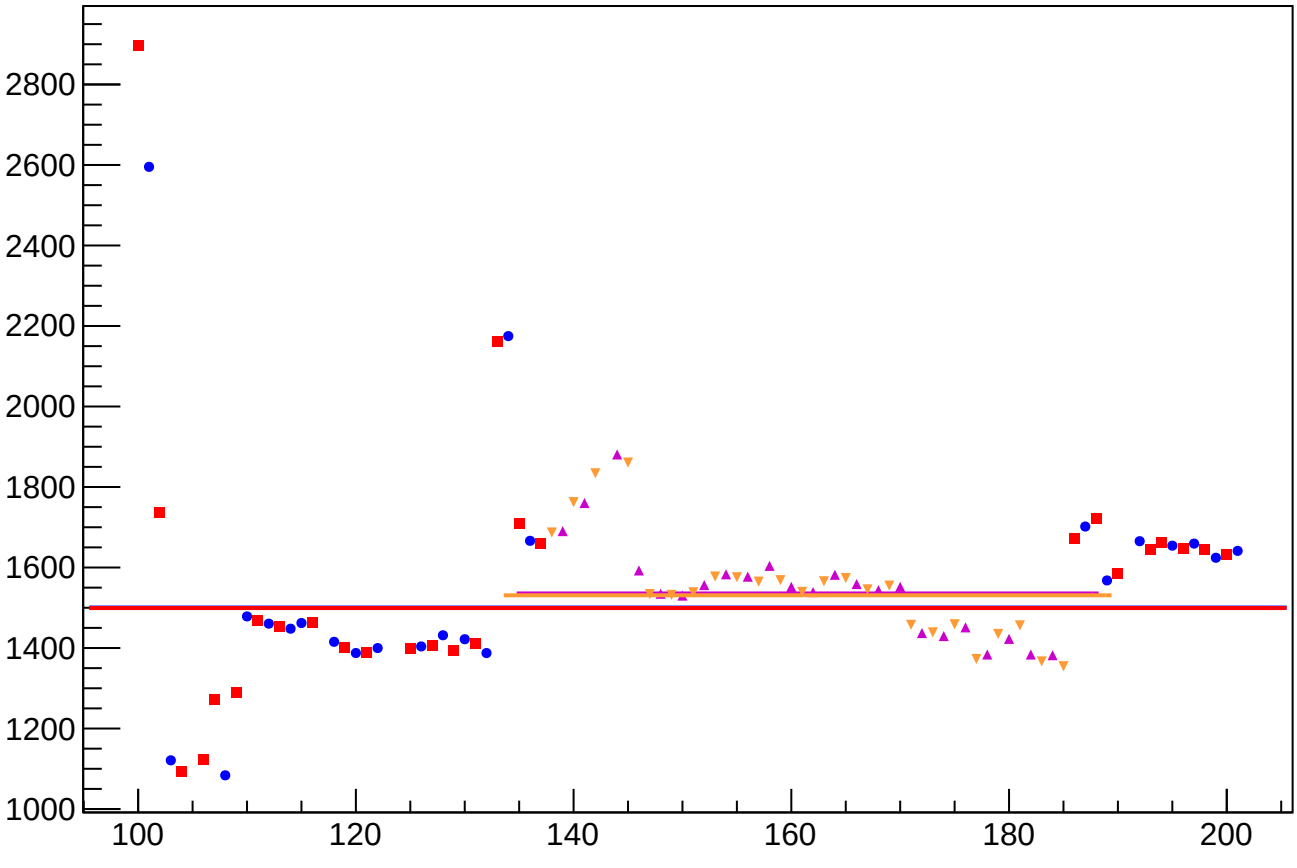
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 40.406+/-301.340 χ^2/NDF: 55.4/48

In: 212.265+/-276.704 χ^2/NDF:41.0/45

Out: -167.362+/-271.545 χ^2/NDF:58.8/49

All: 18.880+/-193.810 χ^2/NDF: 100.7/95



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: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

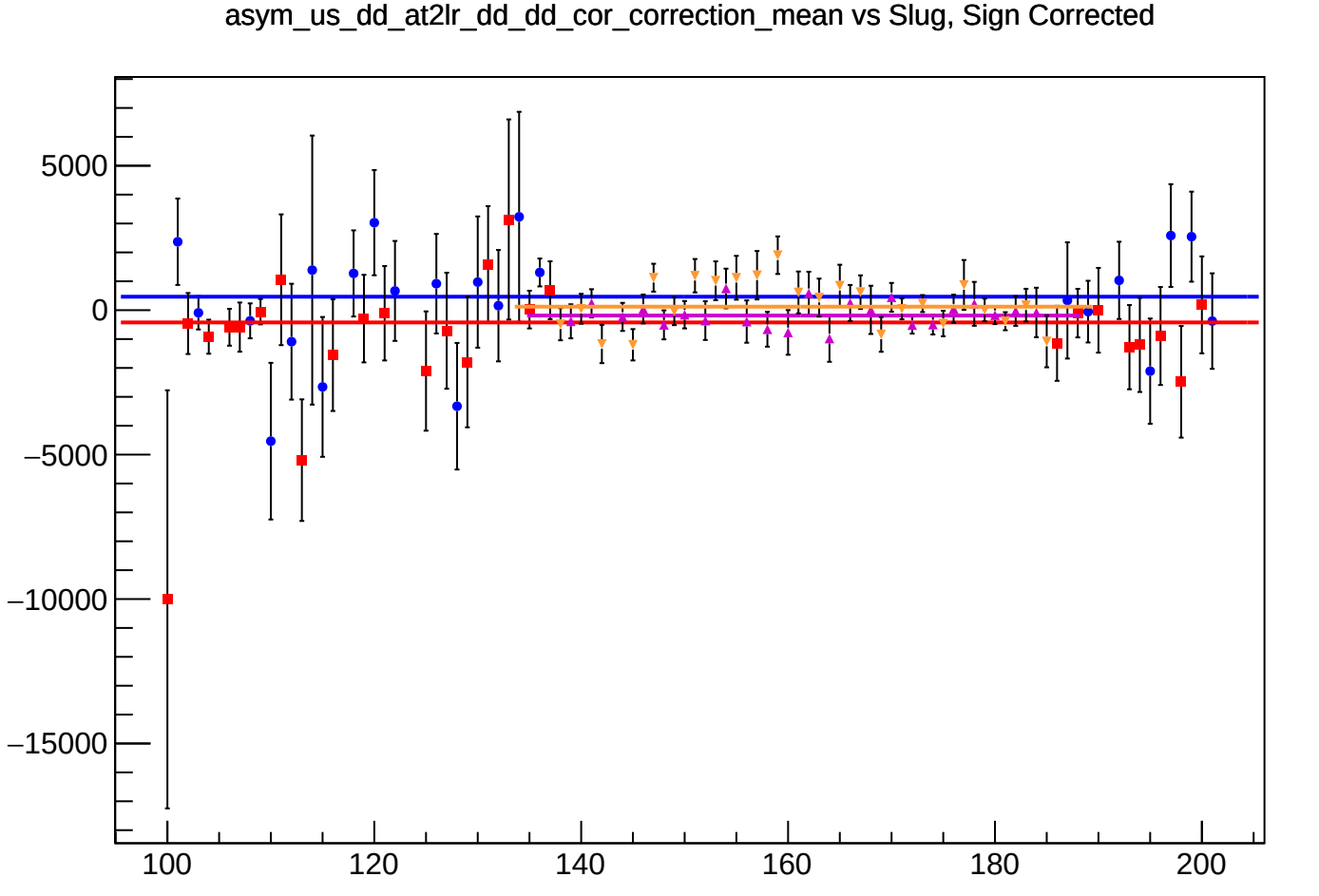
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1499.877+/-0.213 χ^2/NDF: 1215687.6/48

In: 1521.265+/-0.196 χ^2/NDF:881304.7/45

Out: 1517.684+/-0.192 χ^2/NDF:744725.8/49

All: 1519.441+/-0.137 χ^2/NDF: 1626201.1/95



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: -424.450+/-208.634 χ^2/NDF: 16.5/25

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

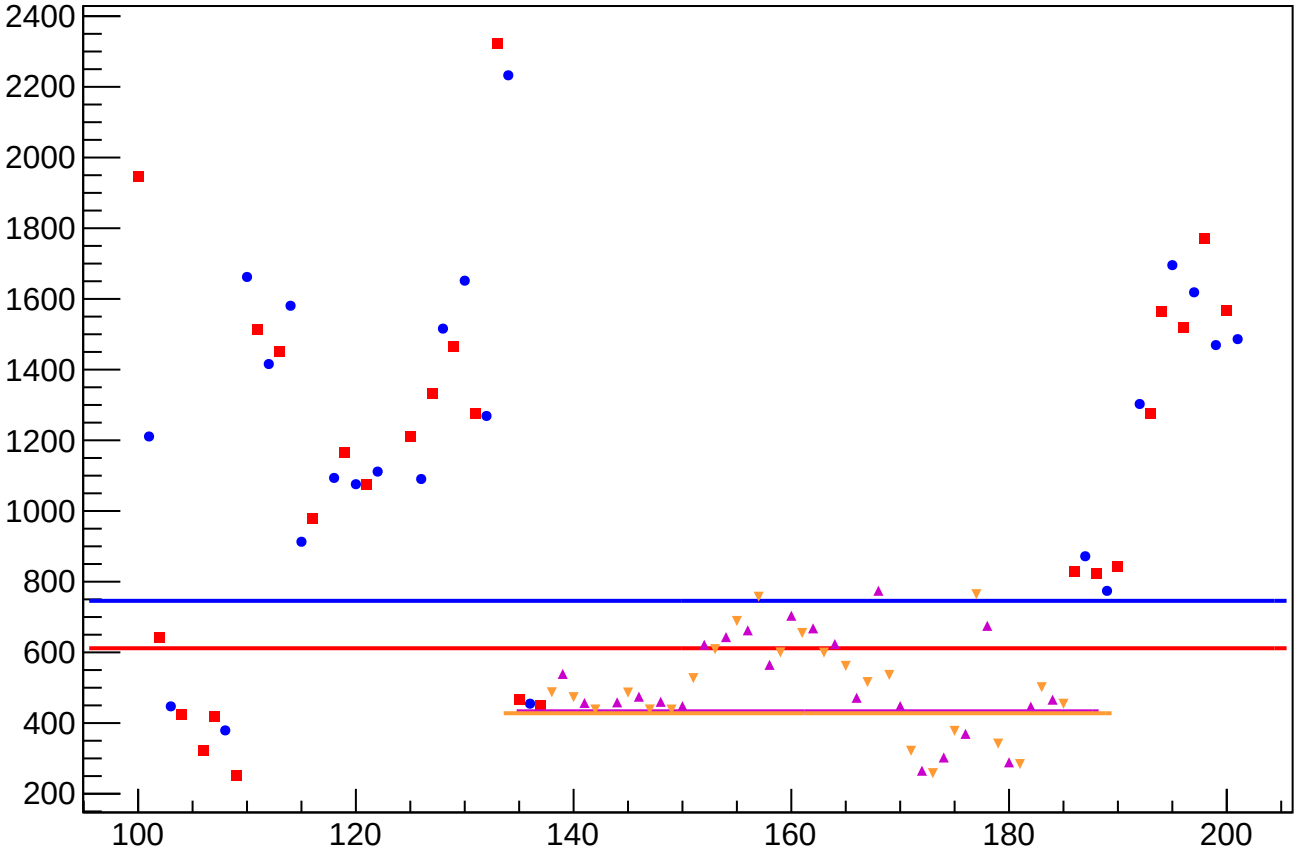
Right: -54.663+/-159.515 χ^2/NDF: 49.1/48

In: -84.284+/-98.195 χ^2/NDF:42.5/45

Out: 10.925+/-93.835 χ^2/NDF:65.6/49

All: -34.519+/-67.840 χ^2/NDF: 108.6/95

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: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

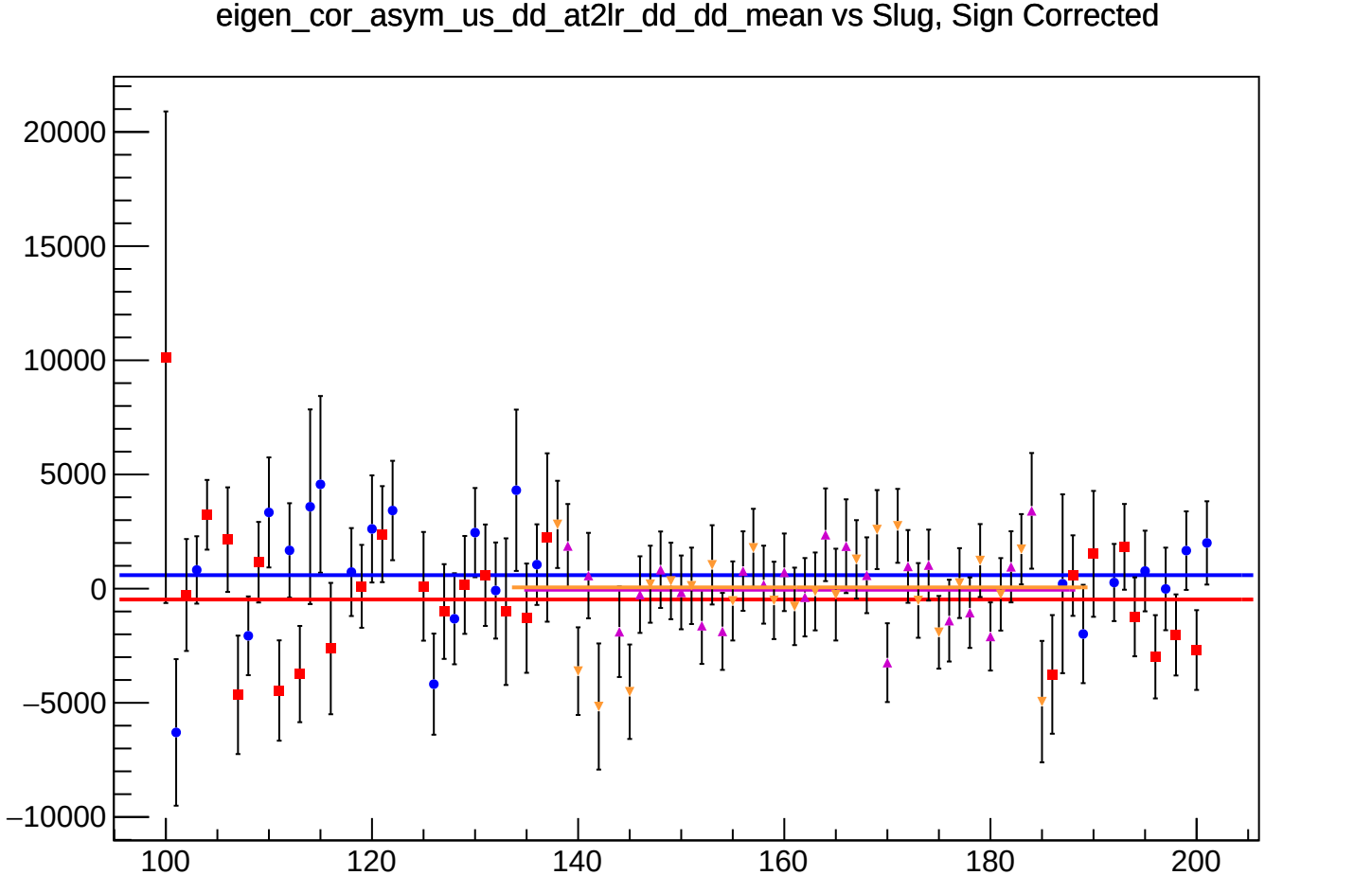
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

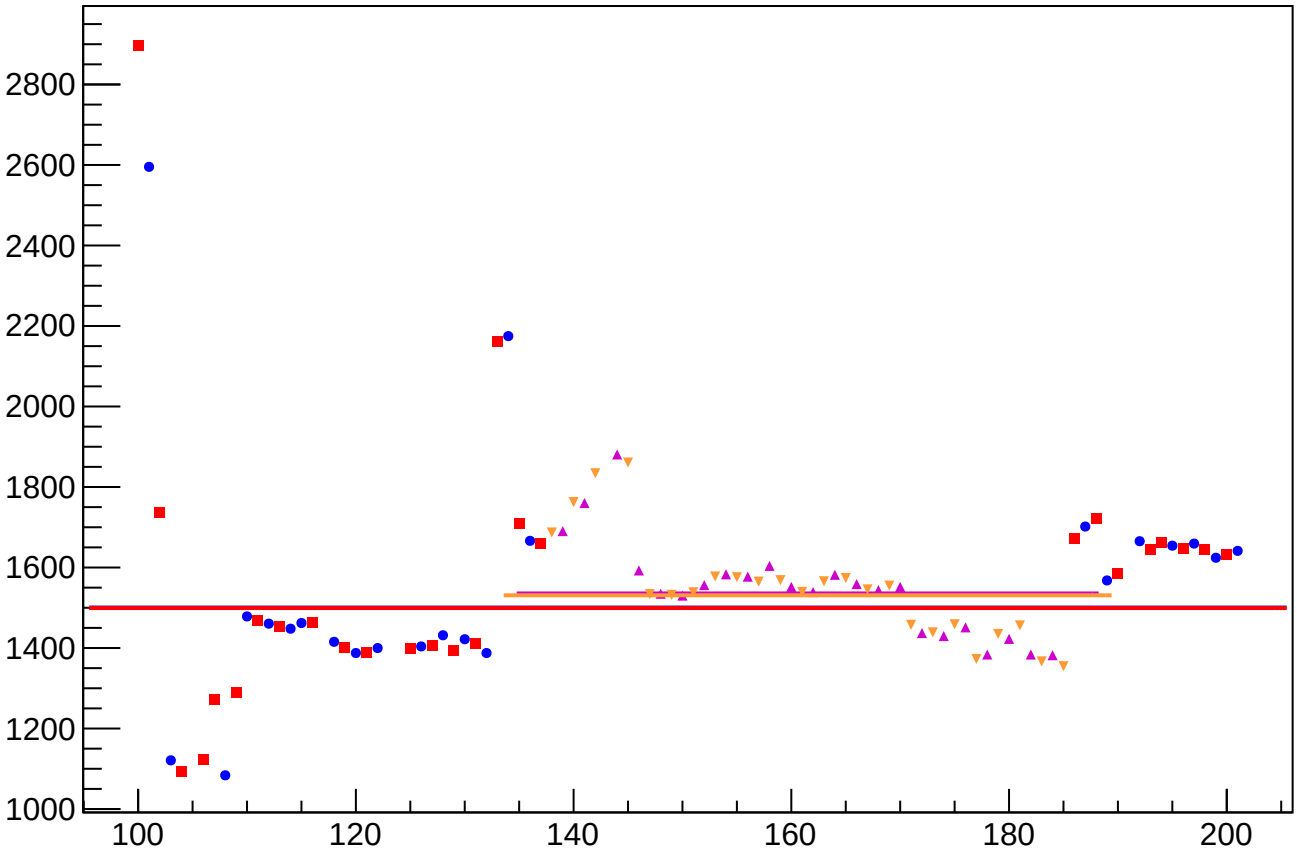
Right: 667.432+/-0.113 χ^2/NDF: 14778813.6/48

In: 482.489+/-0.069 χ^2/NDF:12256085.2/45

Out: 465.013+/-0.066 χ^2/NDF:12542861.7/49

All: 473.354+/-0.048 χ^2/NDF: 24832060.1/95


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: -474.809+/-419.298 χ²/NDF: 29.4/25
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 40.406+/-301.340 χ²/NDF: 55.4/48
In: 212.265+/-276.704 χ²/NDF:41.0/45
Out: -167.362+/-271.545 χ²/NDF:58.8/49
All: 18.880+/-193.810 χ²/NDF: 100.7/95



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: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

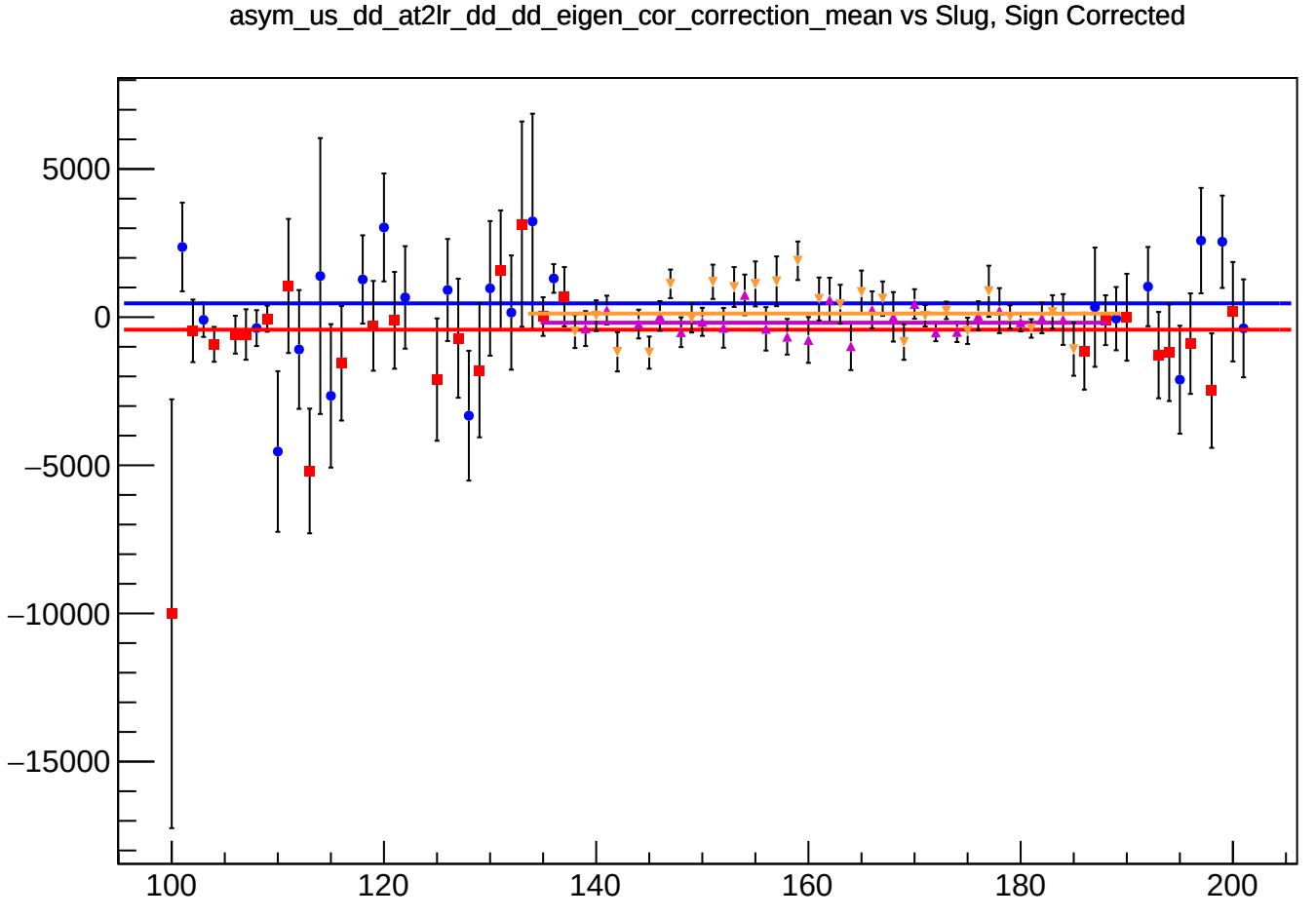
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1499.877+/-0.213 χ^2/NDF: 1215687.6/48

In: 1521.265+/-0.196 χ^2/NDF:881304.7/45

Out: 1517.684+/-0.192 χ^2/NDF:744725.8/49

All: 1519.441+/-0.137 χ^2/NDF: 1626201.1/95



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: -424.450+/-208.634 χ^2/NDF: 16.5/25

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

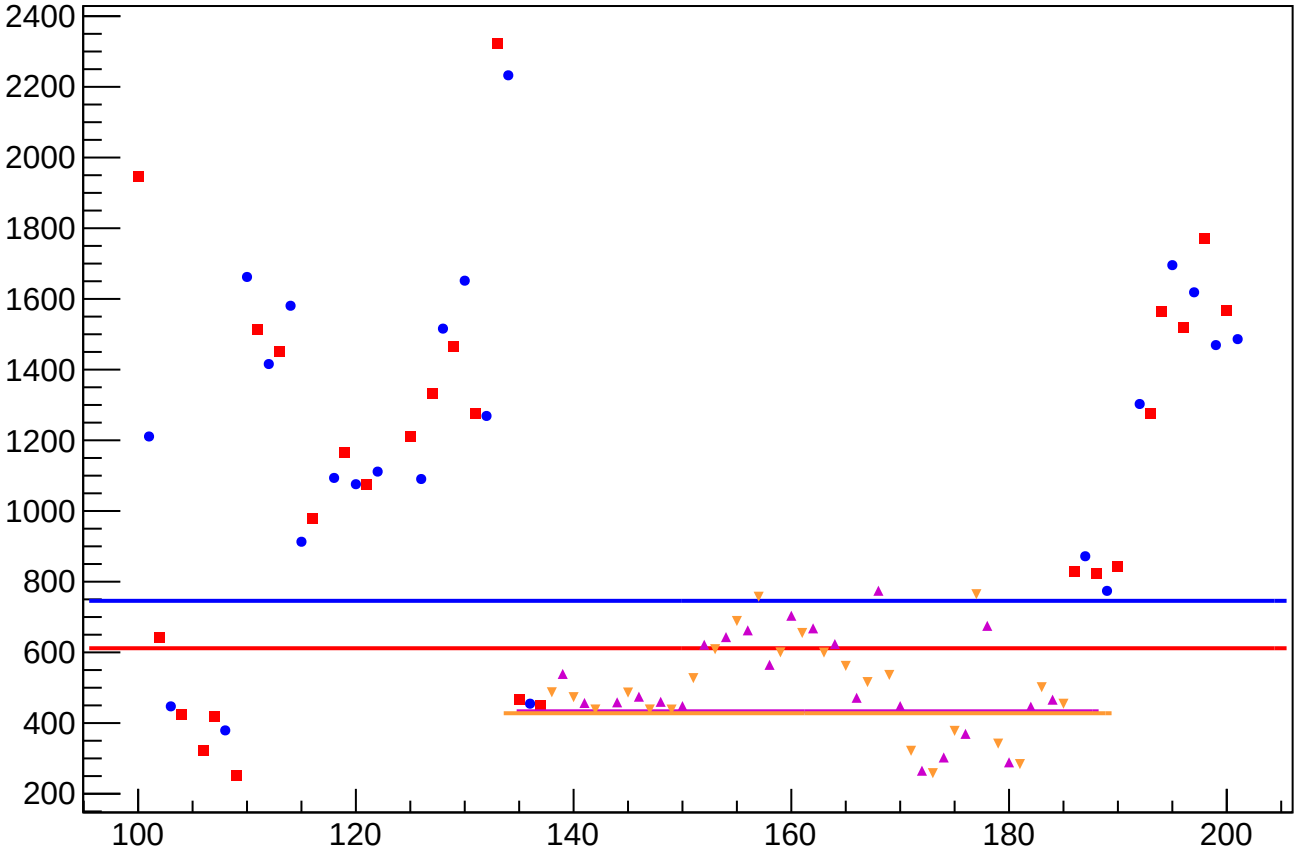
Right: -54.663+/-159.515 χ^2/NDF: 49.1/48

In: -84.284+/-98.195 χ^2/NDF:42.5/45

Out: 10.925+/-93.835 χ^2/NDF:65.6/49

All: -34.519+/-67.840 χ^2/NDF: 108.6/95

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: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

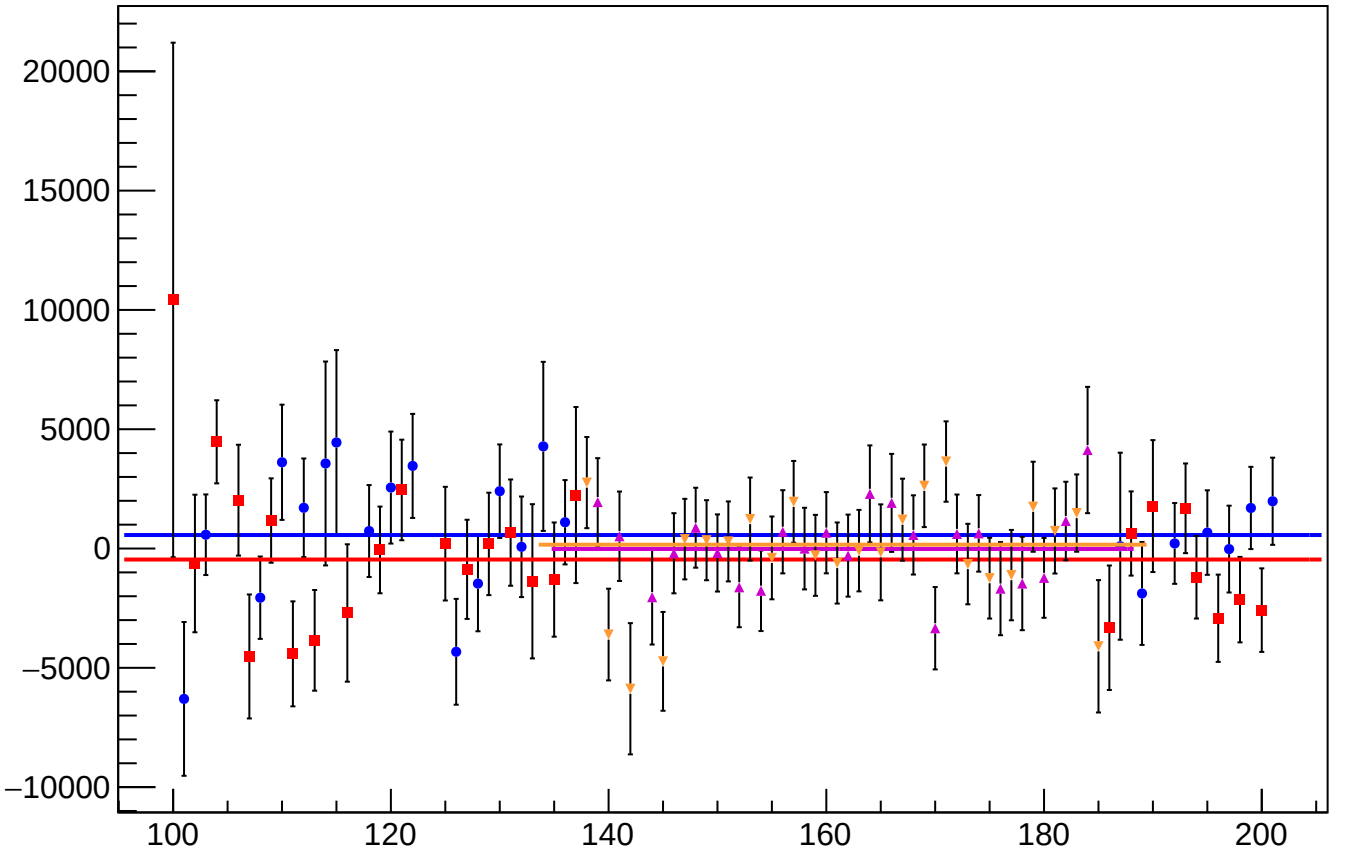
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 667.432+/-0.113 χ^2/NDF: 14778813.6/48

In: 482.489+/-0.069 χ^2/NDF:12256085.2/45

Out: 465.013+/-0.066 χ^2/NDF:12542861.7/49

All: 473.354+/-0.048 χ^2/NDF: 24832060.1/95



Right In: 566.290+/-438.676 χ^2/NDF: 23.3/22

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -460.961+/-425.809 χ^2/NDF: 31.0/25

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

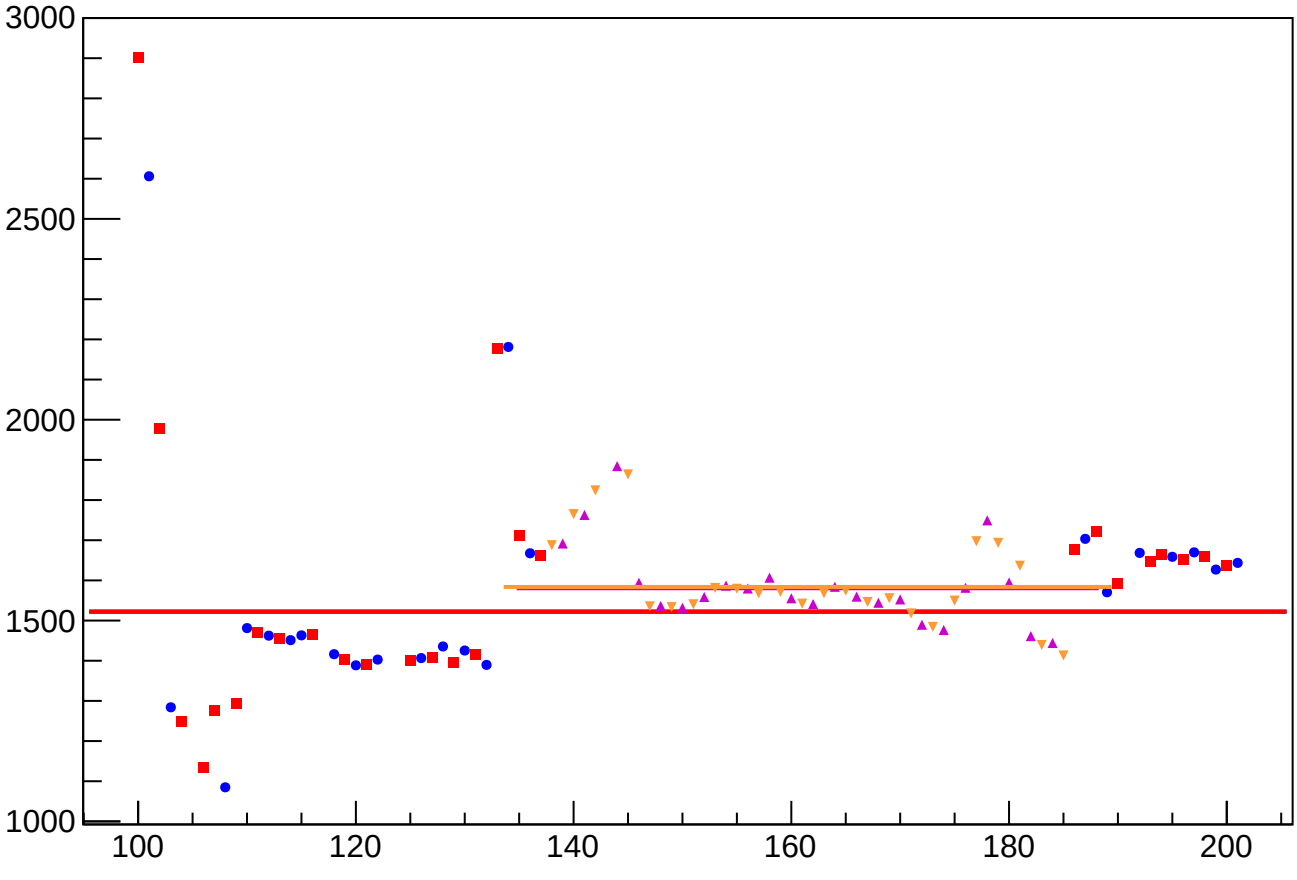
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 37.378+/-305.540 χ^2/NDF: 57.1/48

In: 223.396+/-282.732 χ^2/NDF:40.3/45

Out: -104.890+/-278.586 χ^2/NDF:62.1/49

All: 56.829+/-198.440 χ^2/NDF: 103.1/95



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: 1522.584+/-0.301 χ^2/NDF: 467166.5/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

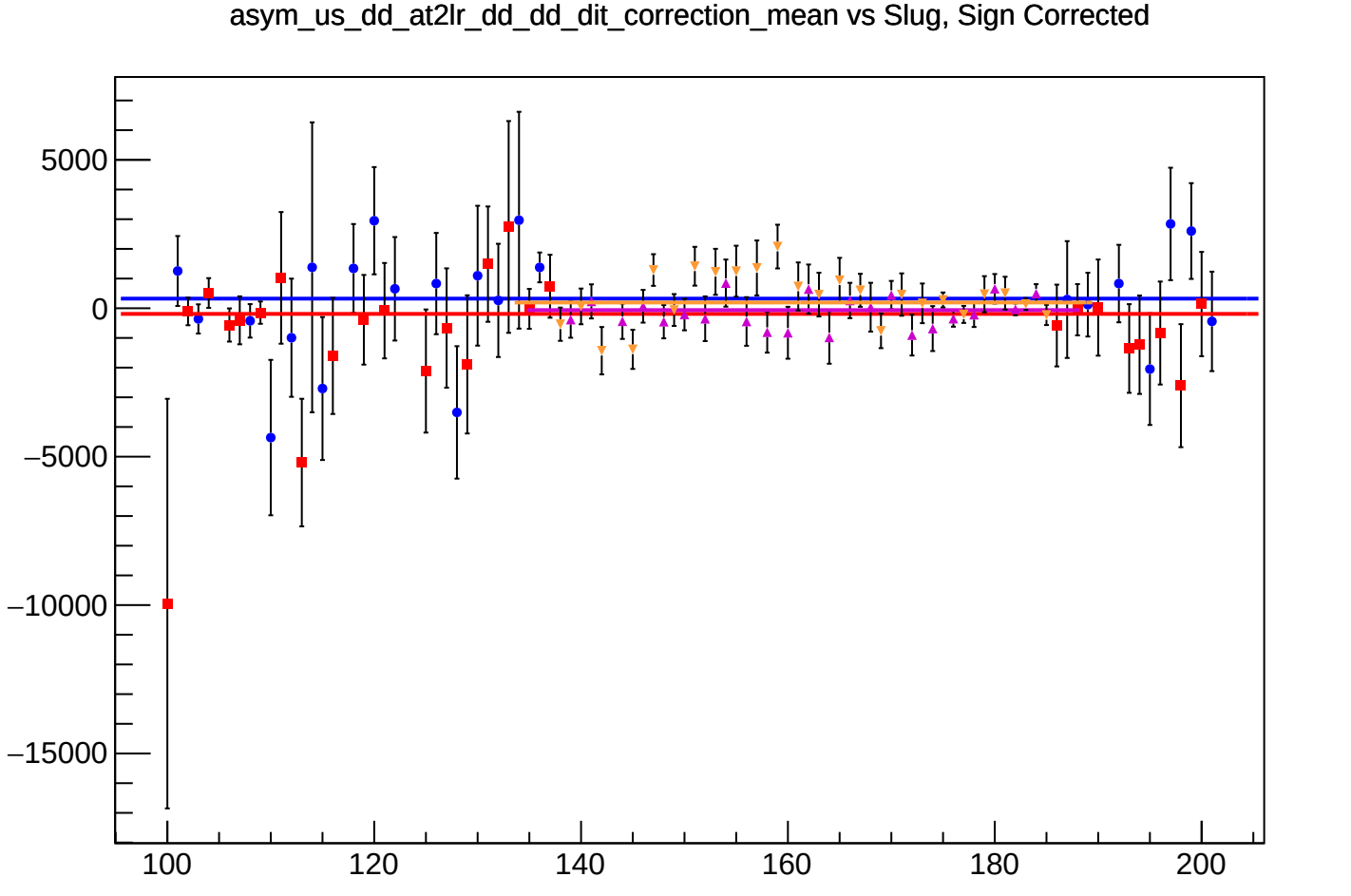
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1522.324+/-0.216 χ^2/NDF: 1049499.9/48

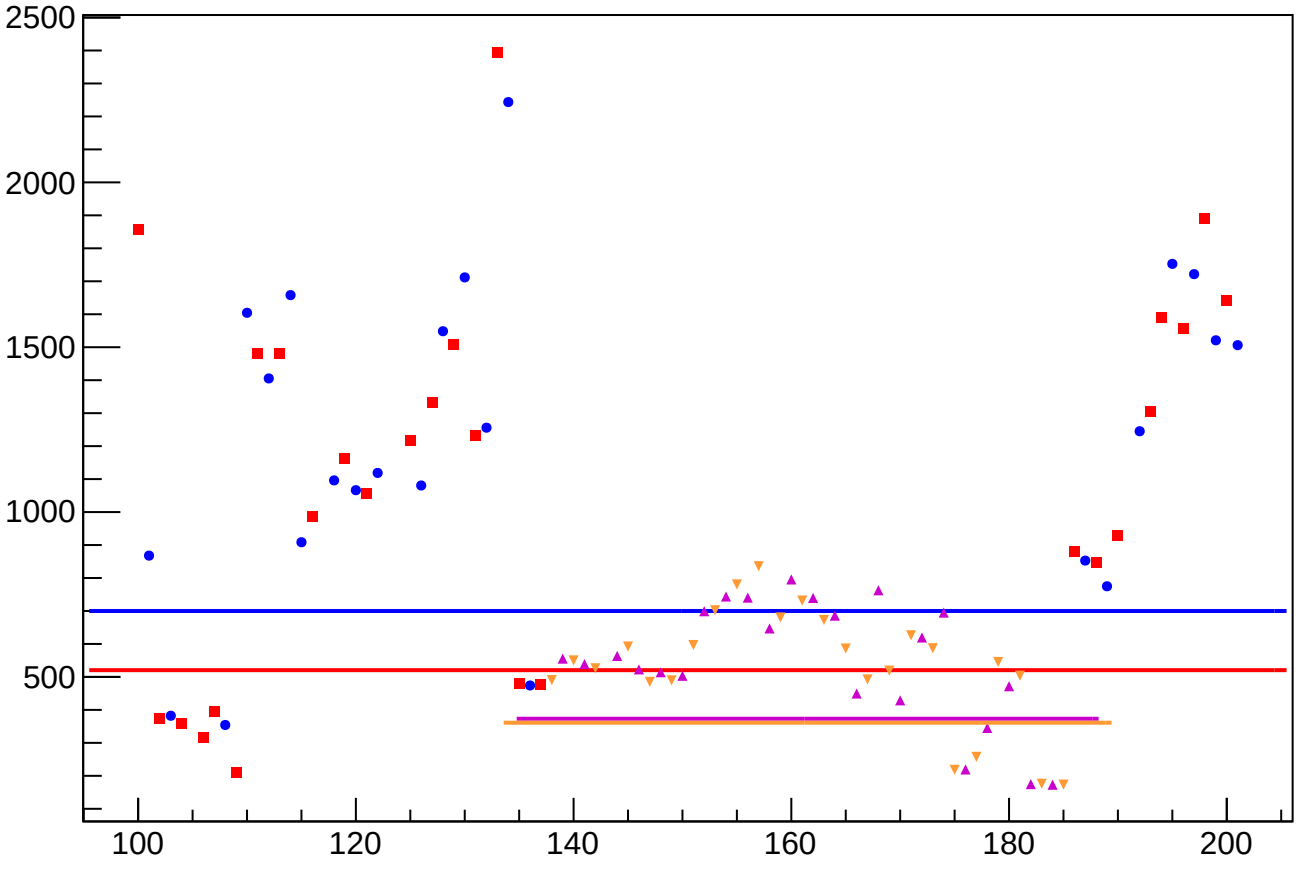
In: 1556.199+/-0.200 χ^2/NDF:728810.4/45

Out: 1557.524+/-0.197 χ^2/NDF:624294.3/49

All: 1556.871+/-0.140 χ^2/NDF: 1353127.0/95


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: -190.388+/-182.569 χ²/NDF: 17.2/25
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 0.863+/-144.719 χ²/NDF: 46.1/48
In: -4.230+/-91.935 χ²/NDF:45.3/45
Out: 110.341+/-84.895 χ²/NDF:60.7/49
All: 57.610+/-62.371 χ²/NDF: 106.8/95

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: 520.501+/-0.129 χ^2/NDF: 9690198.6/25

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

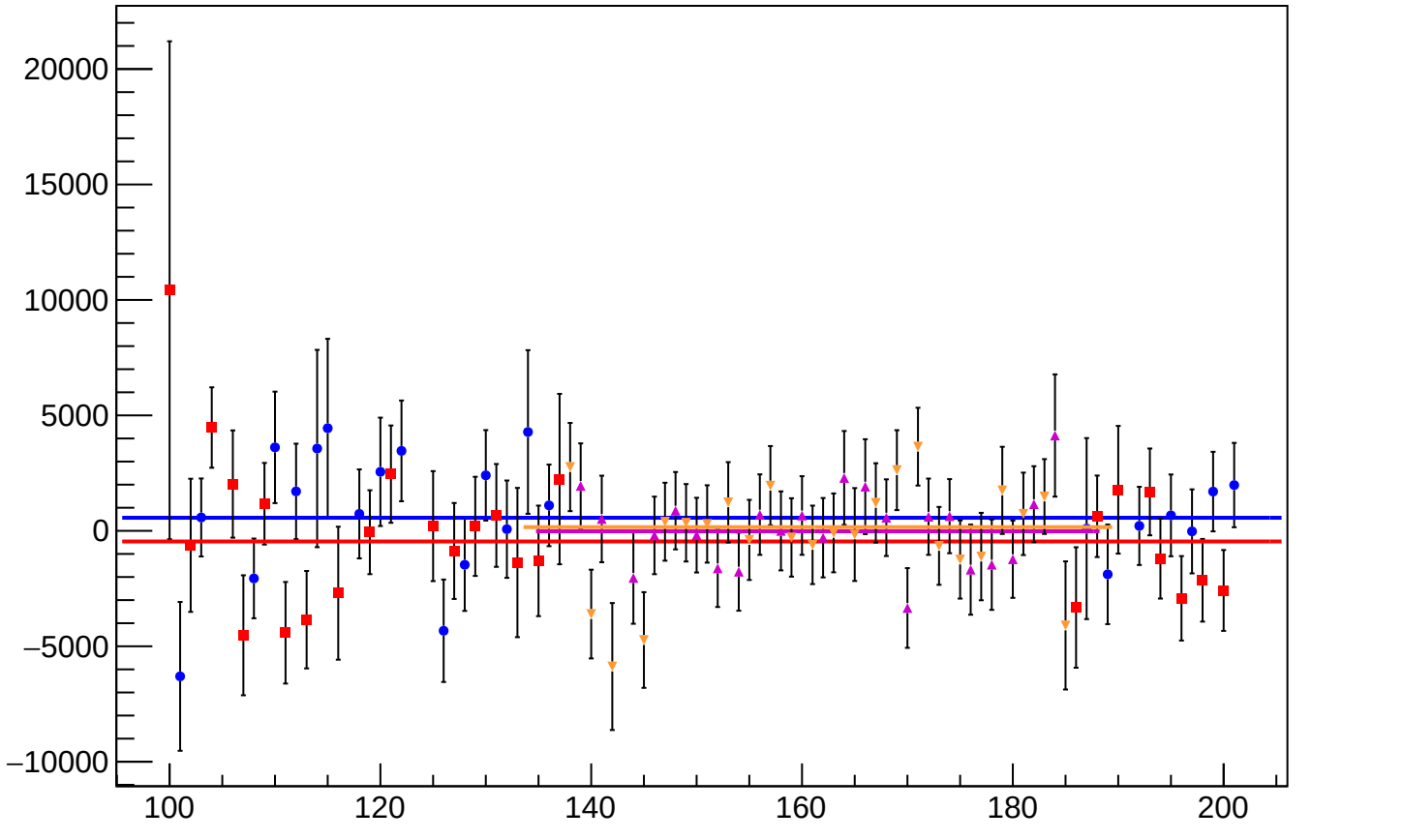
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

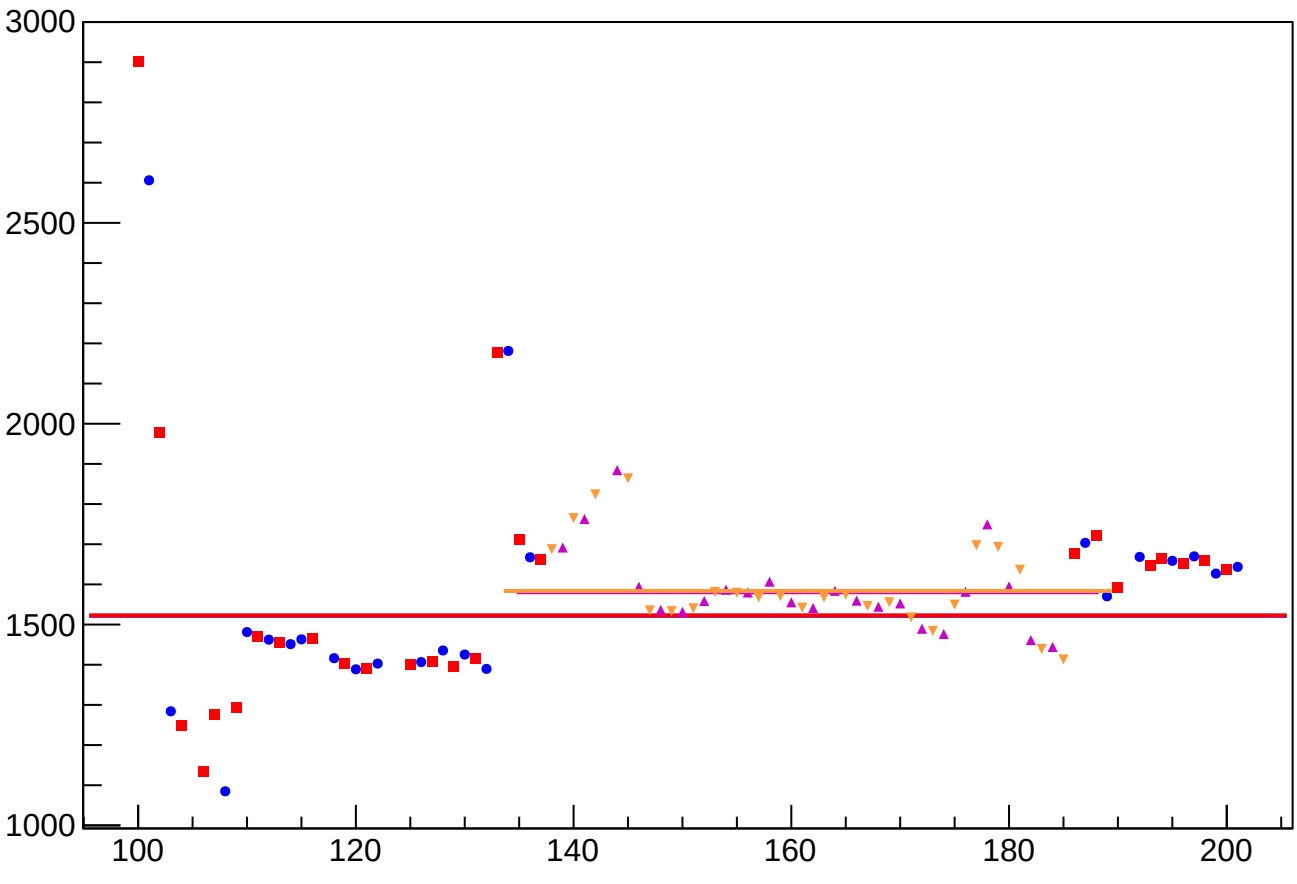
Right: 587.202+/-0.102 χ^2/NDF: 17205011.1/48

In: 422.161+/-0.065 χ^2/NDF:18226384.8/45

Out: 395.567+/-0.060 χ^2/NDF:19068262.7/49

All: 407.807+/-0.044 χ^2/NDF: 37384977.6/95


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: -460.959+/-425.809 χ²/NDF: 31.0/25
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 37.380+/-305.540 χ²/NDF: 57.1/48
In: 223.397+/-282.732 χ²/NDF:40.3/45
Out: -104.891+/-278.586 χ²/NDF:62.1/49
All: 56.828+/-198.440 χ²/NDF: 103.1/95



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: 1522.584+/-0.301 χ^2/NDF: 467166.6/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

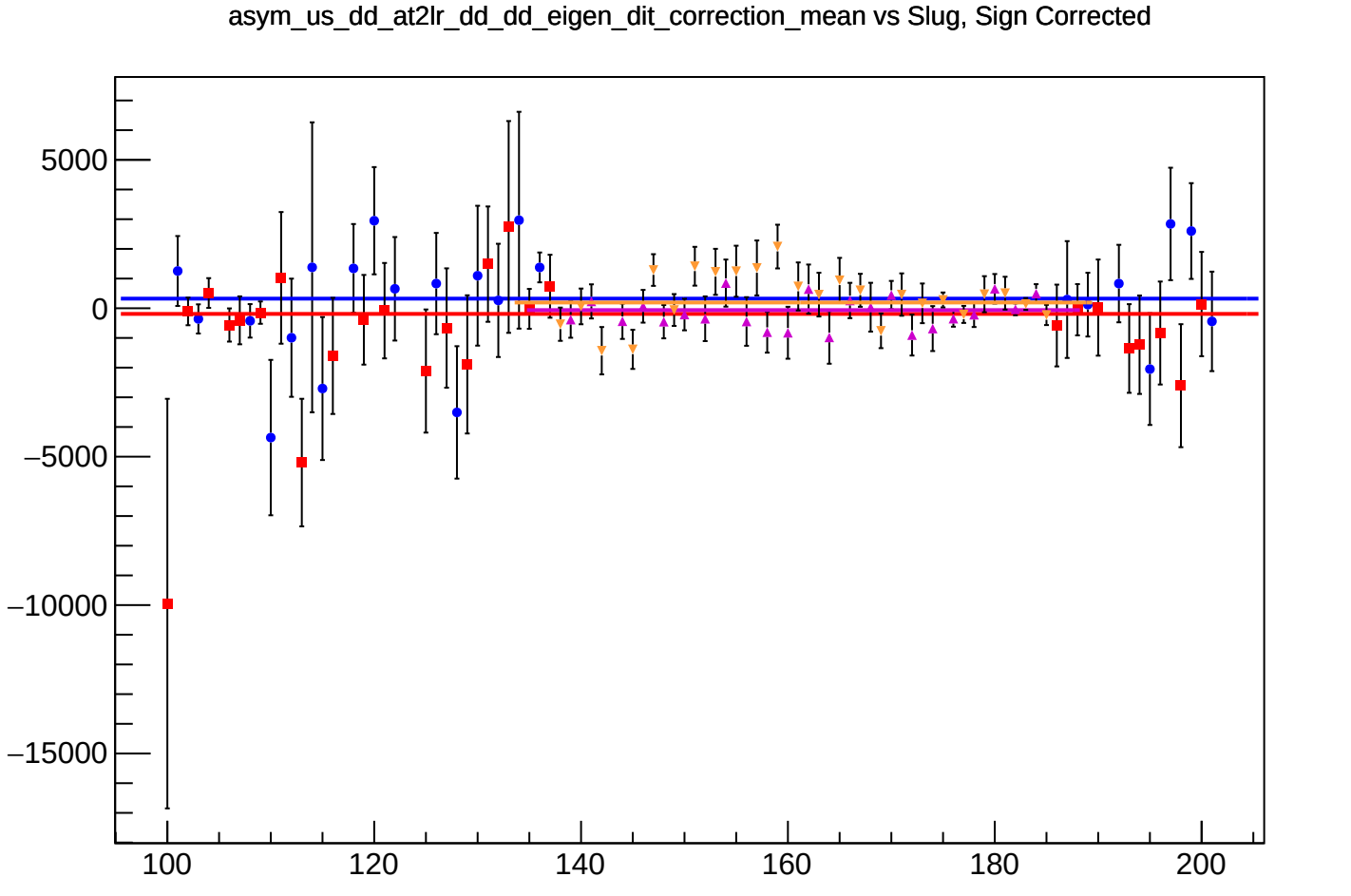
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1522.324+/-0.216 χ^2/NDF: 1049499.4/48

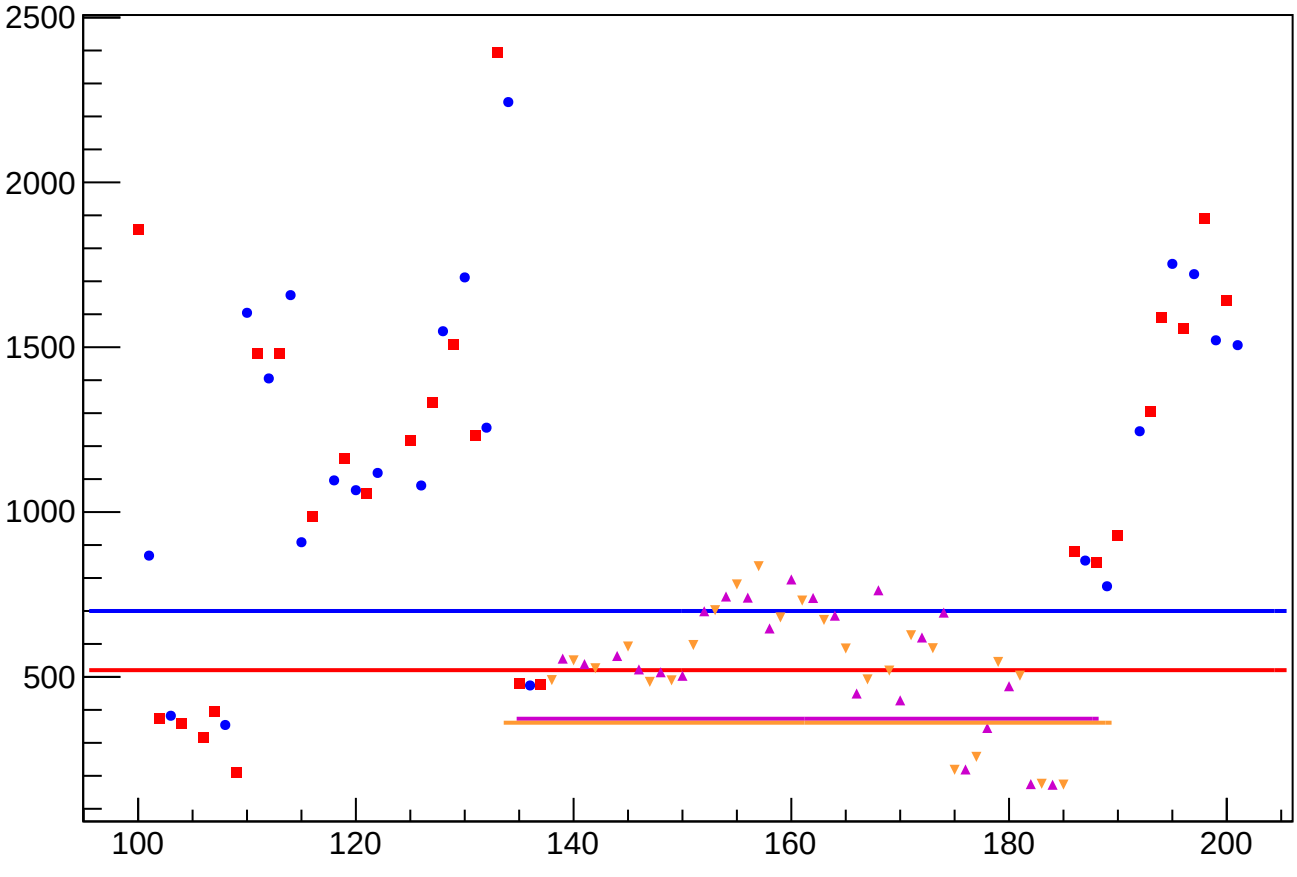
In: 1556.198+/-0.200 χ^2/NDF:728809.7/45

Out: 1557.524+/-0.197 χ^2/NDF:624294.5/49

All: 1556.871+/-0.140 χ^2/NDF: 1353126.4/95


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: -190.385+/-182.571 χ²/NDF: 17.2/25
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 0.865+/-144.720 χ²/NDF: 46.1/48
In: -4.228+/-91.936 χ²/NDF:45.3/45
Out: 110.346+/-84.896 χ²/NDF:60.7/49
All: 57.613+/-62.371 χ²/NDF: 106.8/95

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: 520.507+/-0.129 χ^2/NDF: 9690076.1/25

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

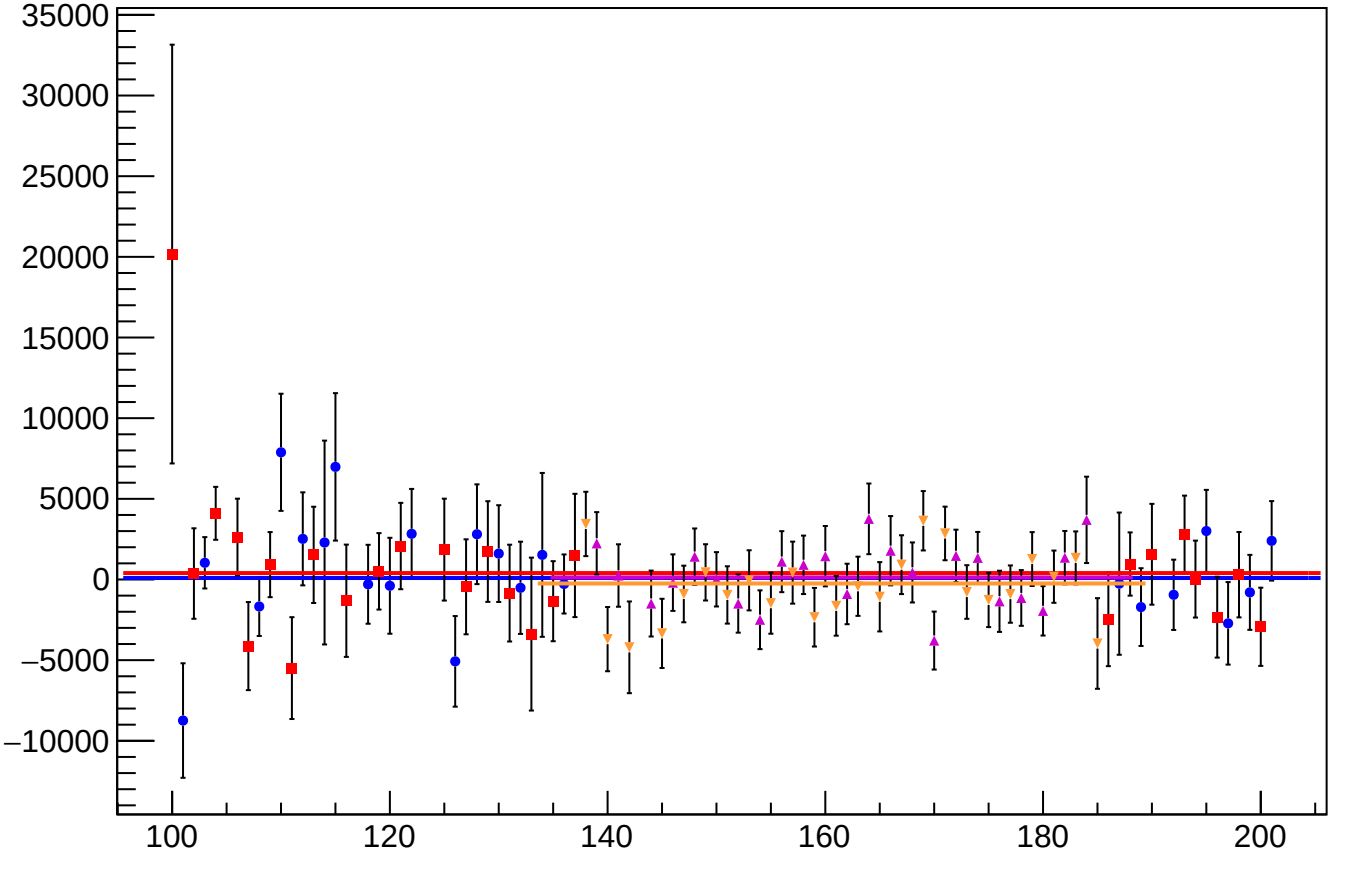
Right: 587.207+/-0.102 χ^2/NDF: 17204870.1/48

In: 422.165+/-0.065 χ^2/NDF:18226061.3/45

Out: 395.571+/-0.060 χ^2/NDF:19068008.4/49

All: 407.811+/-0.044 χ^2/NDF: 37384401.1/95

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: 398.078+/-521.015 χ^2/NDF: 22.6/25

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

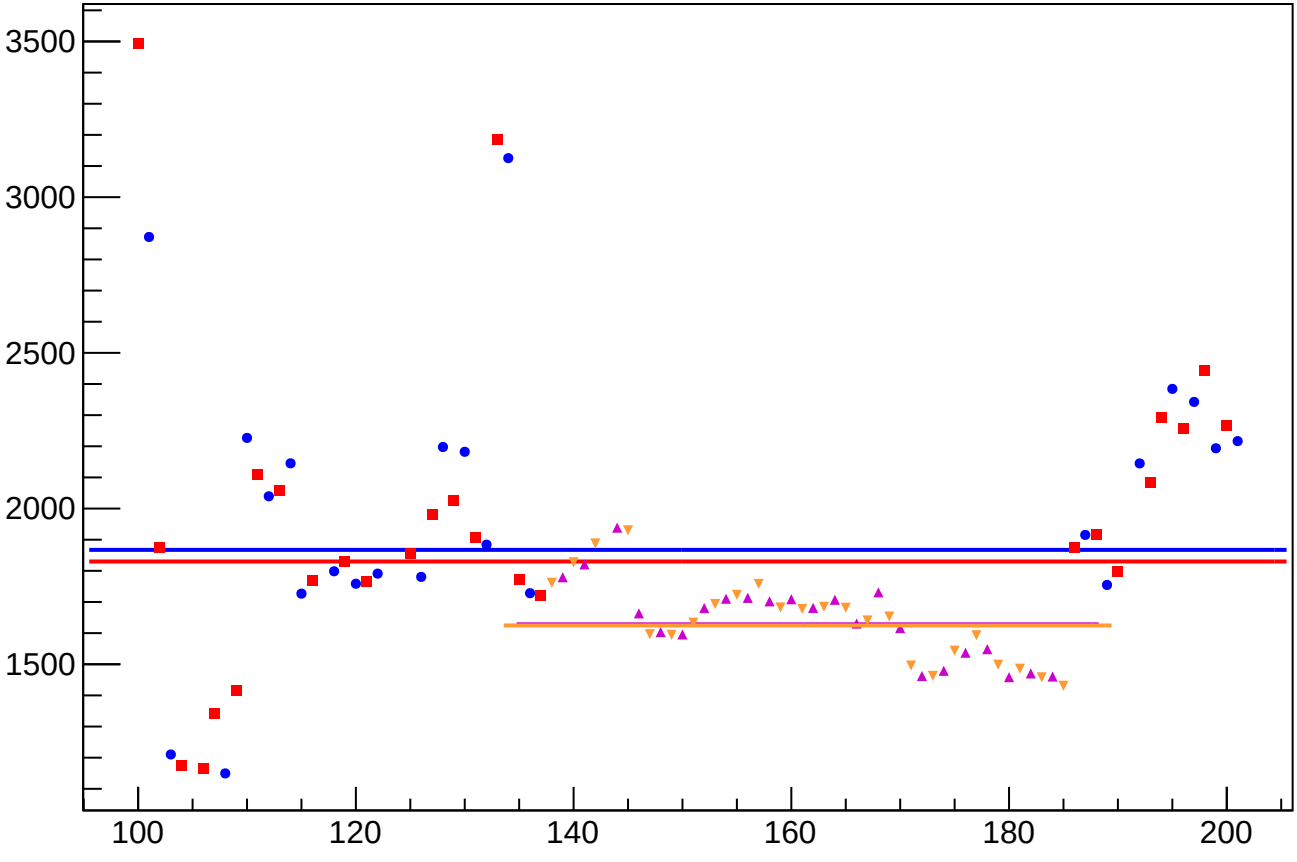
Right: 252.148+/-377.226 χ^2/NDF: 47.8/48

In: 114.748+/-312.783 χ^2/NDF:46.3/45

Out: -24.446+/-306.078 χ^2/NDF:49.6/49

All: 43.643+/-218.762 χ^2/NDF: 96.0/95

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: 1830.012+/-0.368 χ^2/NDF: 1199065.8/25

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

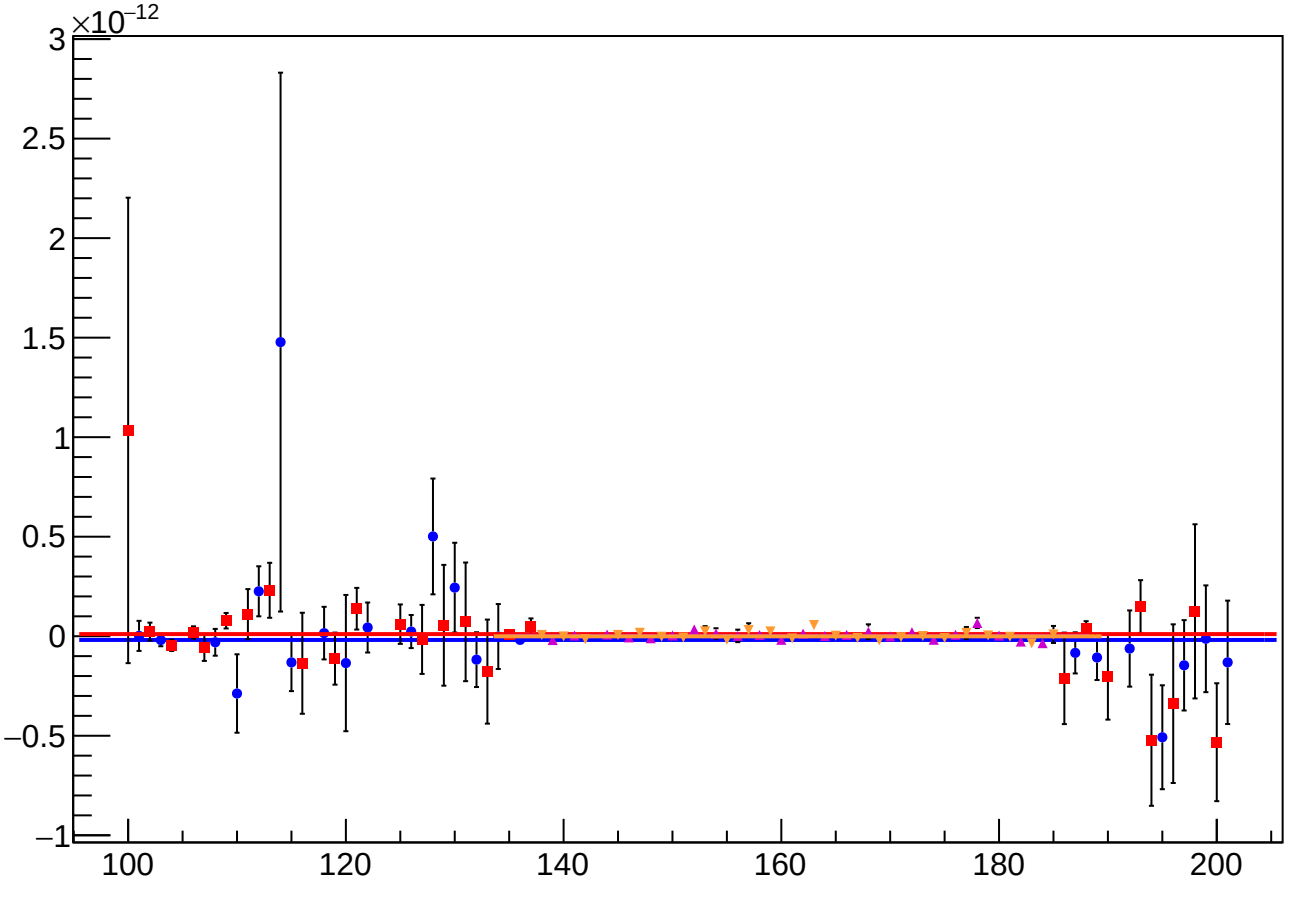
Right: 1847.781+/-0.267 χ^2/NDF: 2500082.9/48

In: 1706.447+/-0.221 χ^2/NDF:1758332.7/45

Out: 1695.501+/-0.216 χ^2/NDF:1609881.7/49

All: 1700.855+/-0.155 χ^2/NDF: 3369465.7/95

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: 26.8/25

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

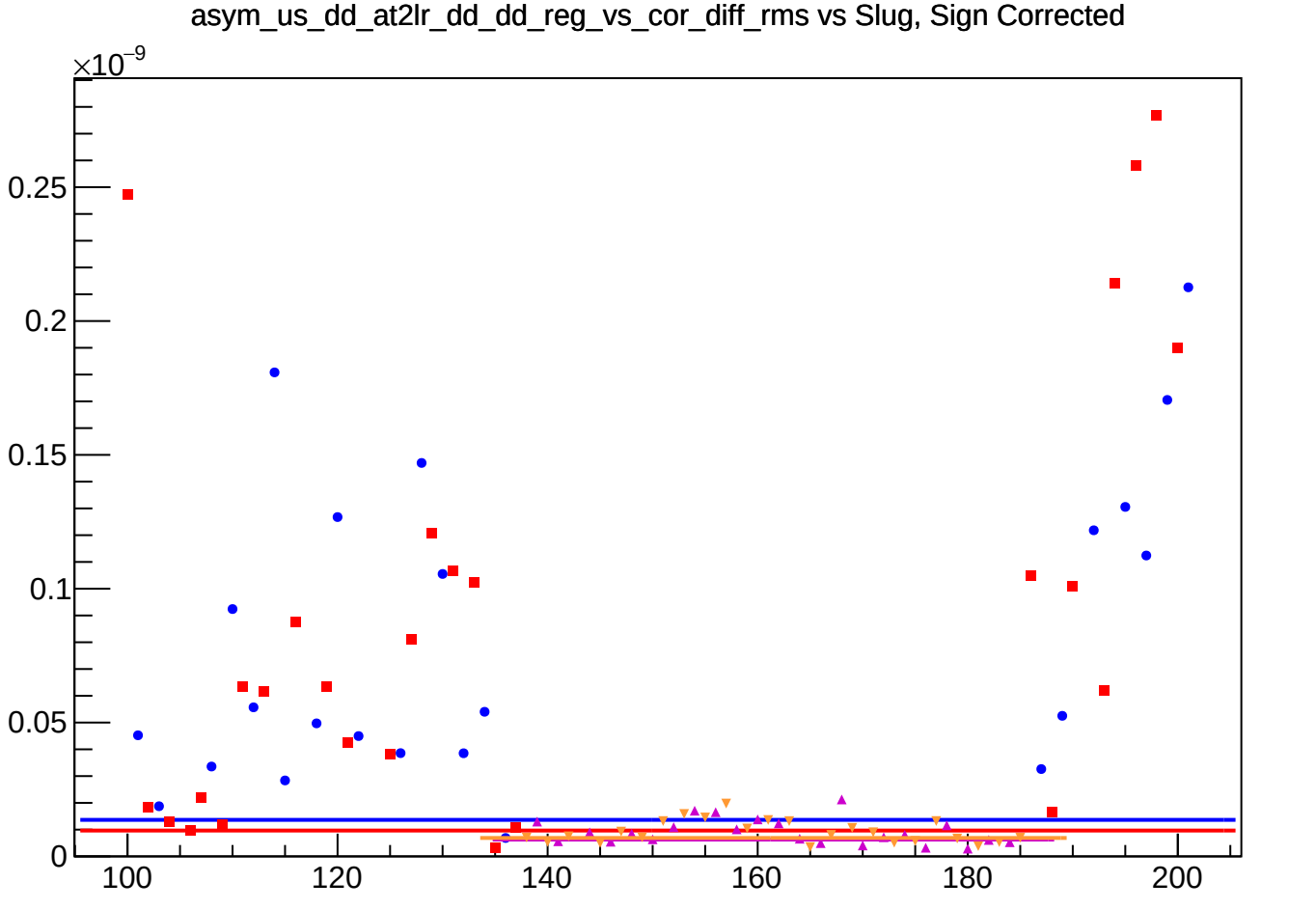
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.2/48

In: 0.000+/-0.000 χ^2/NDF:46.4/45

Out: 0.000+/-0.000 χ^2/NDF:51.0/49

All: 0.000+/-0.000 χ^2/NDF: 97.4/95



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: 7680428.7/25

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

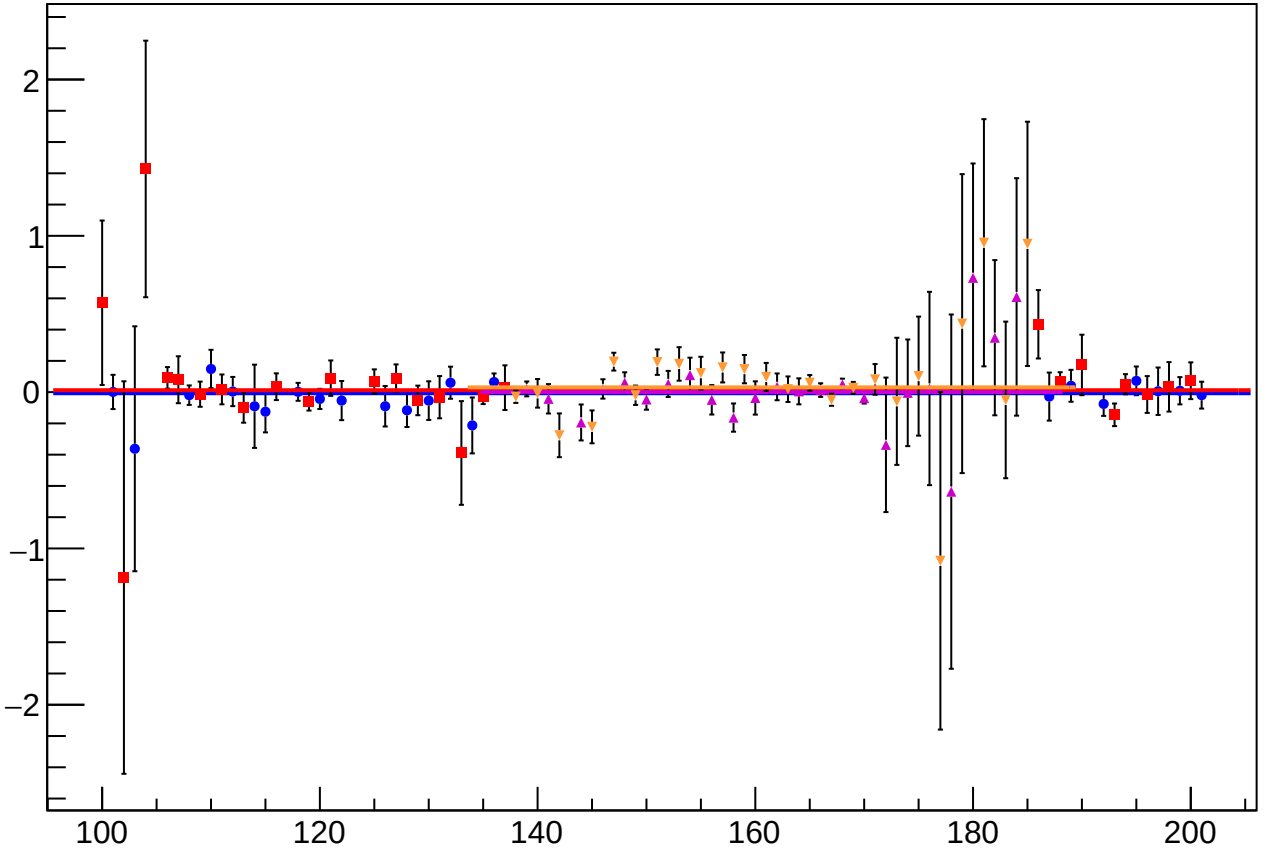
Right: 0.000+/-0.000 χ^2/NDF: 14572197.8/48

In: 0.000+/-0.000 χ^2/NDF:10582132.2/45

Out: 0.000+/-0.000 χ^2/NDF:10130638.8/49

All: 0.000+/-0.000 χ^2/NDF: 20733277.3/95

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: 0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

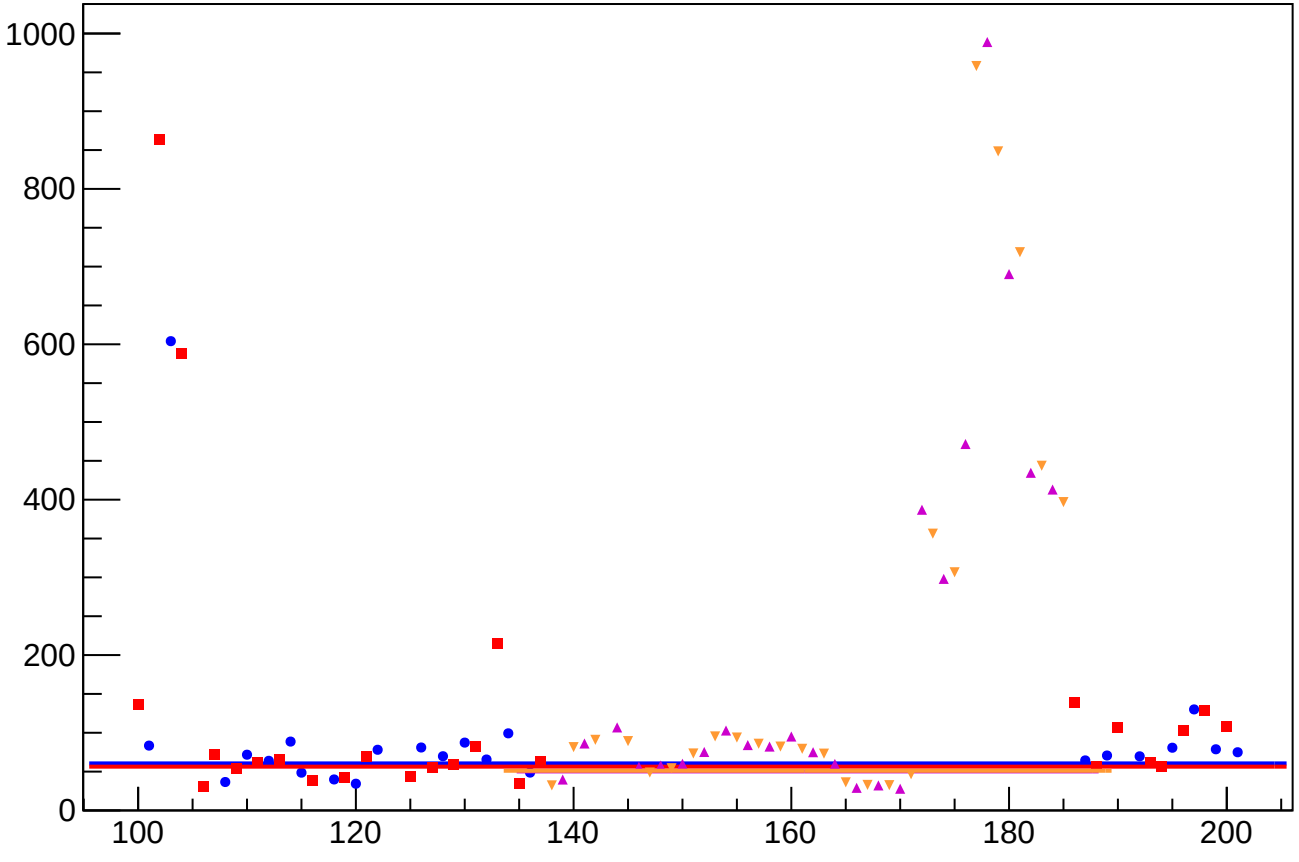
Right: 0.003+/-0.013 χ^2/NDF: 35.0/48

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 95.0/95

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: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

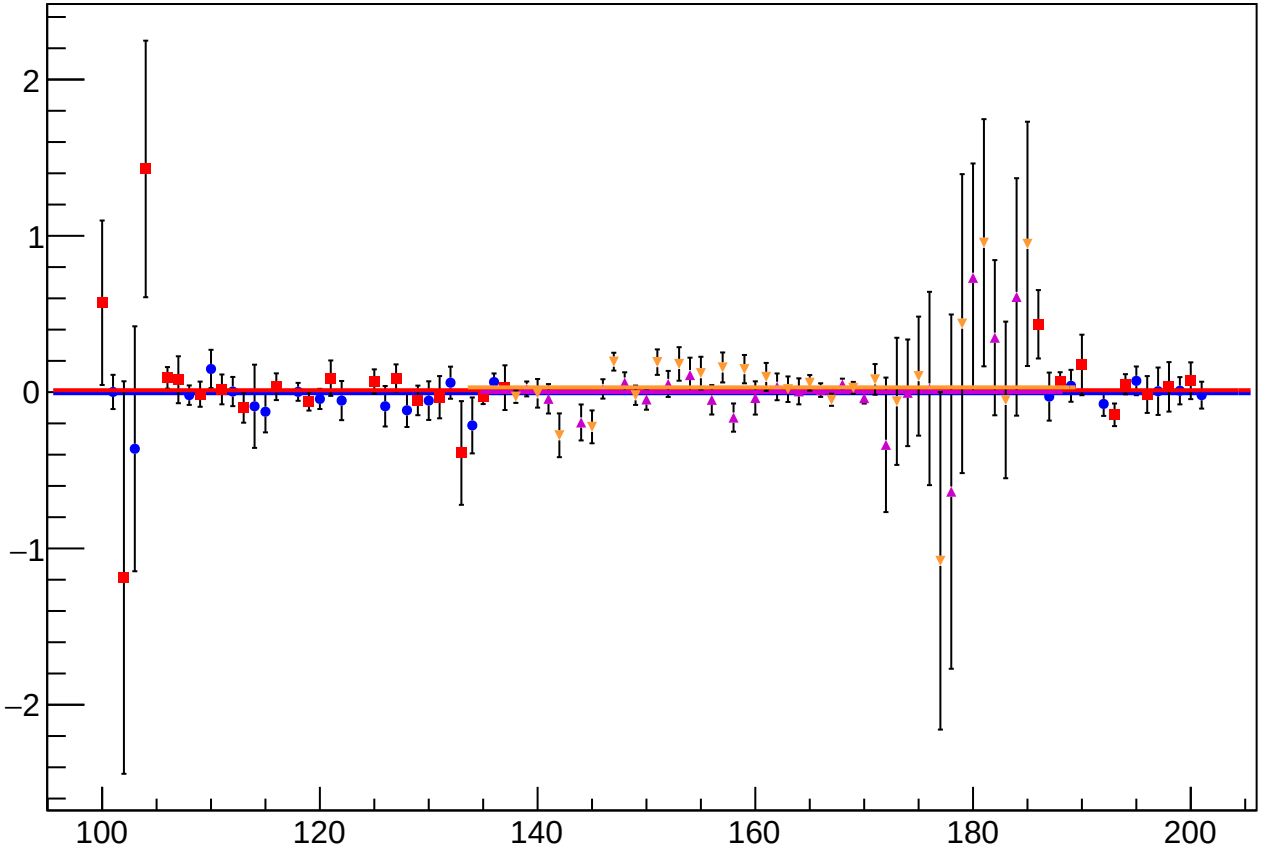
Right: 58.335+/-0.009 χ^2/NDF: 7904899.6/48

In: 54.151+/-0.009 χ^2/NDF:15629260.9/45

Out: 53.275+/-0.008 χ^2/NDF:16601617.2/49

All: 53.705+/-0.006 χ^2/NDF: 32236262.1/95

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: 0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

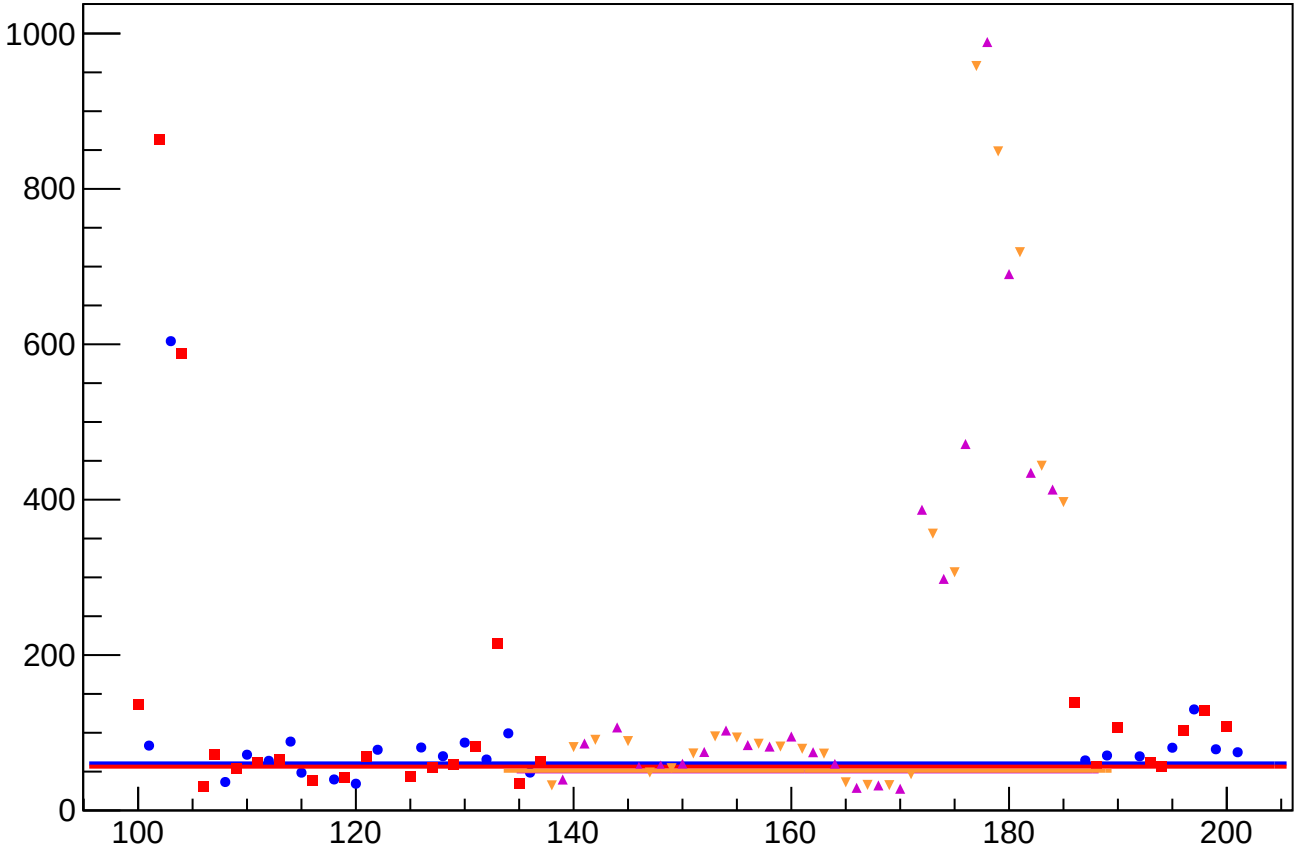
Right: 0.003+/-0.013 χ^2/NDF: 35.0/48

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 95.0/95

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: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

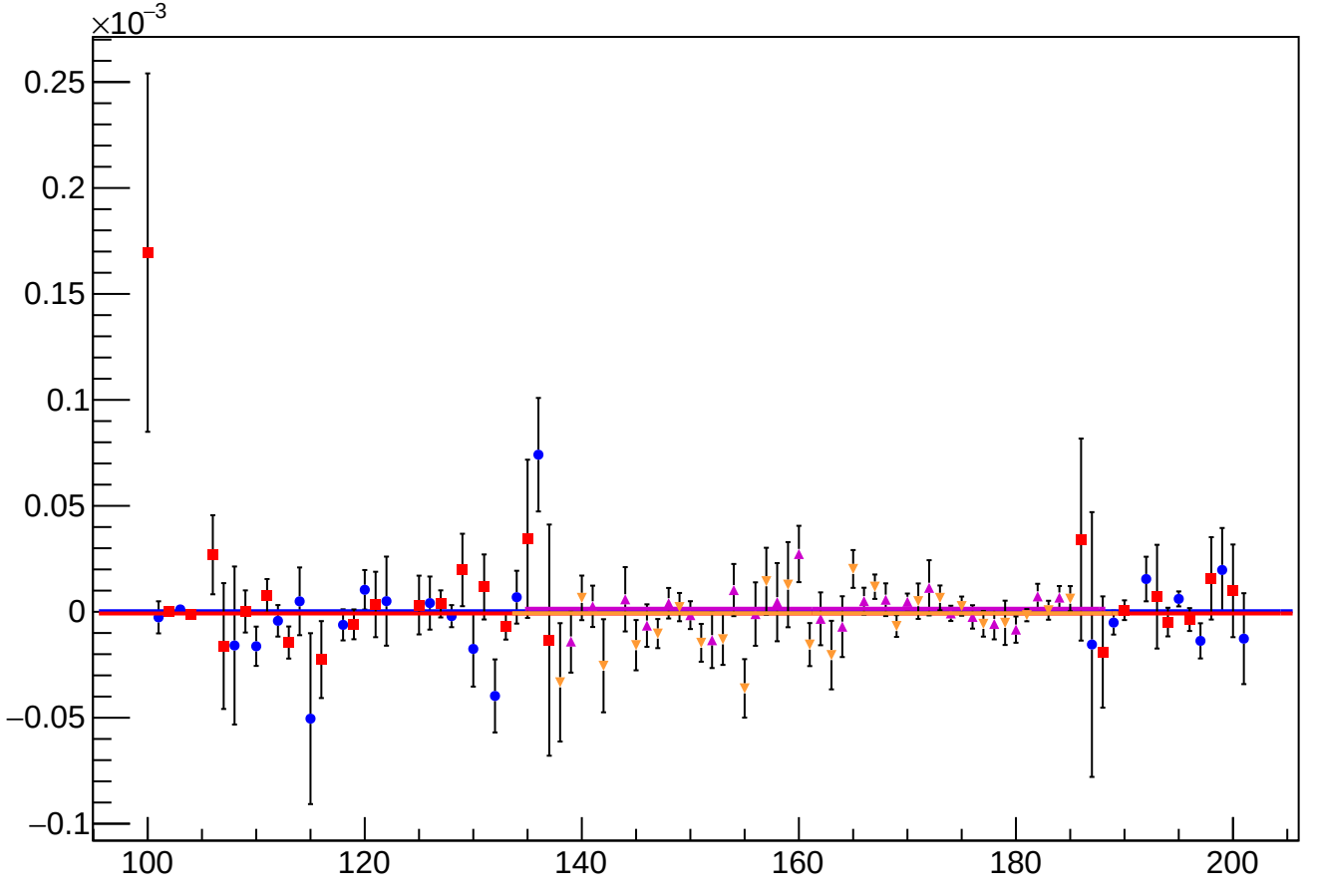
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 58.335+/-0.009 χ^2/NDF: 7904899.6/48

In: 54.151+/-0.009 χ^2/NDF:15629260.9/45

Out: 53.275+/-0.008 χ^2/NDF:16601617.2/49

All: 53.705+/-0.006 χ^2/NDF: 32236262.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/25

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

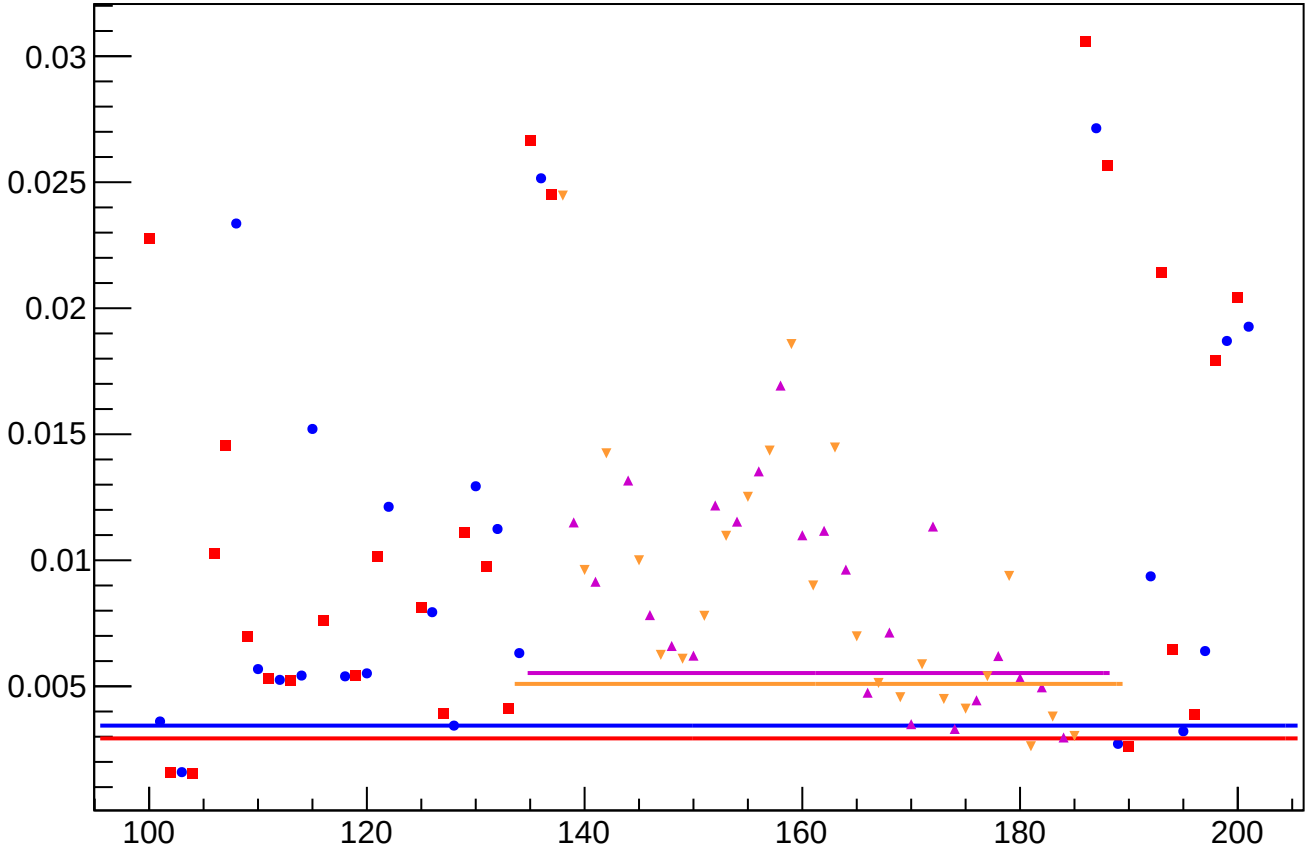
Right: -0.000+/-0.000 χ^2/NDF: 53.2/48

In: 0.000+/-0.000 χ^2/NDF:49.0/45

Out: -0.000+/-0.000 χ^2/NDF:59.2/49

All: -0.000+/-0.000 χ^2/NDF: 109.4/95

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: 12830238.4/25

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

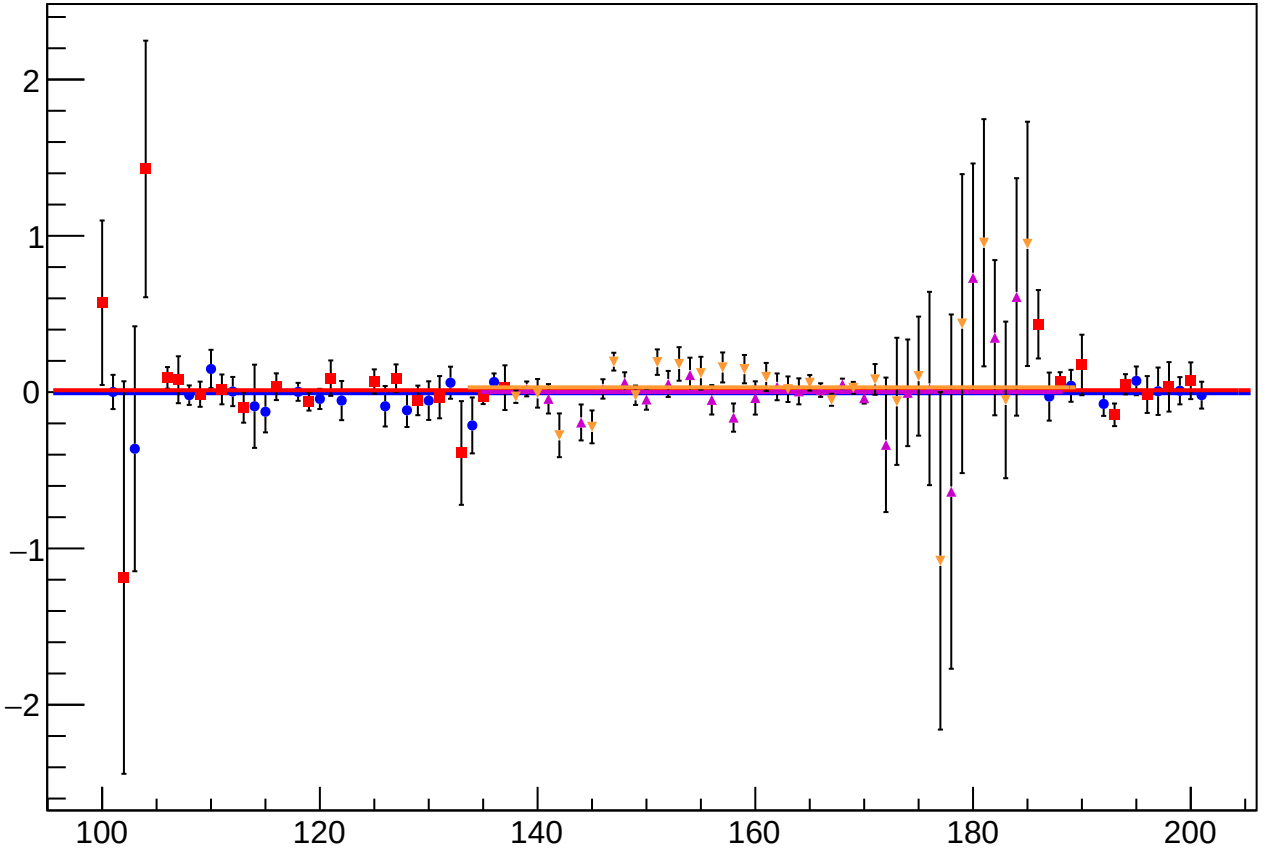
Right: 0.003+/-0.000 χ^2/NDF: 22353455.7/48

In: 0.004+/-0.000 χ^2/NDF:18331812.5/45

Out: 0.004+/-0.000 χ^2/NDF:24041338.4/49

All: 0.004+/-0.000 χ^2/NDF: 42722027.3/95

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: 0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

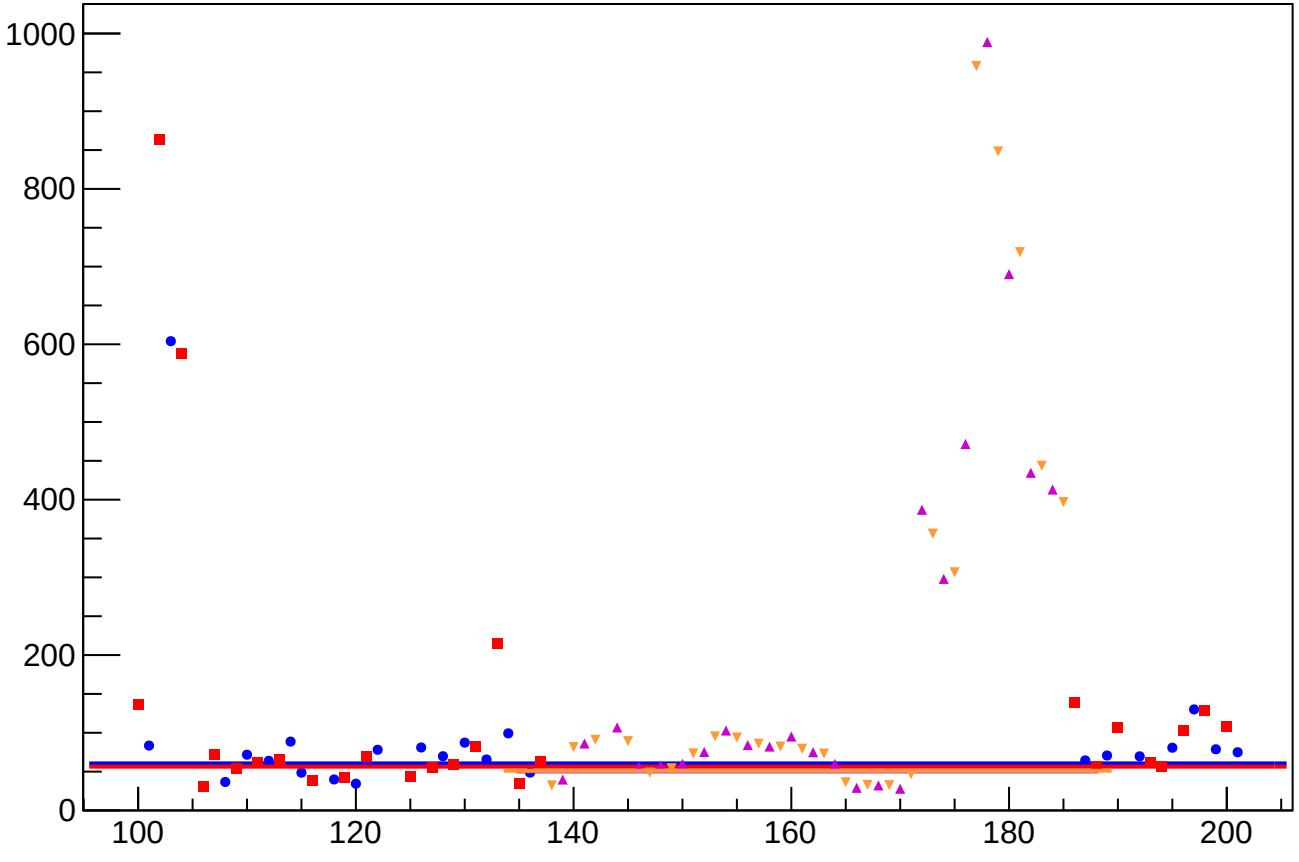
Right: 0.003+/-0.013 χ^2/NDF: 35.0/48

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 95.0/95

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: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

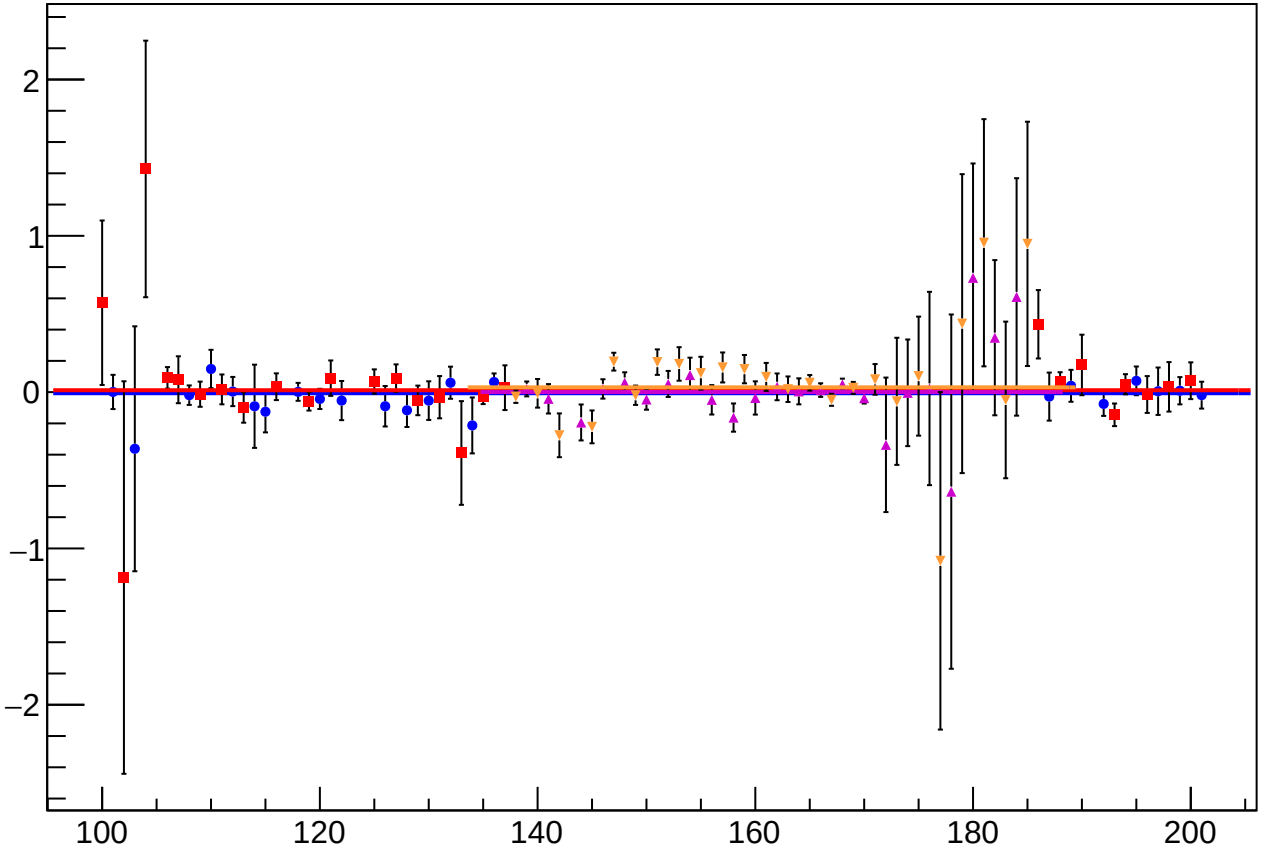
Right: 58.338+/-0.009 χ^2/NDF: 7904056.7/48

In: 54.152+/-0.009 χ^2/NDF:15628794.1/45

Out: 53.277+/-0.008 χ^2/NDF:16600488.6/49

All: 53.707+/-0.006 χ^2/NDF: 32234650.2/95

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: 0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

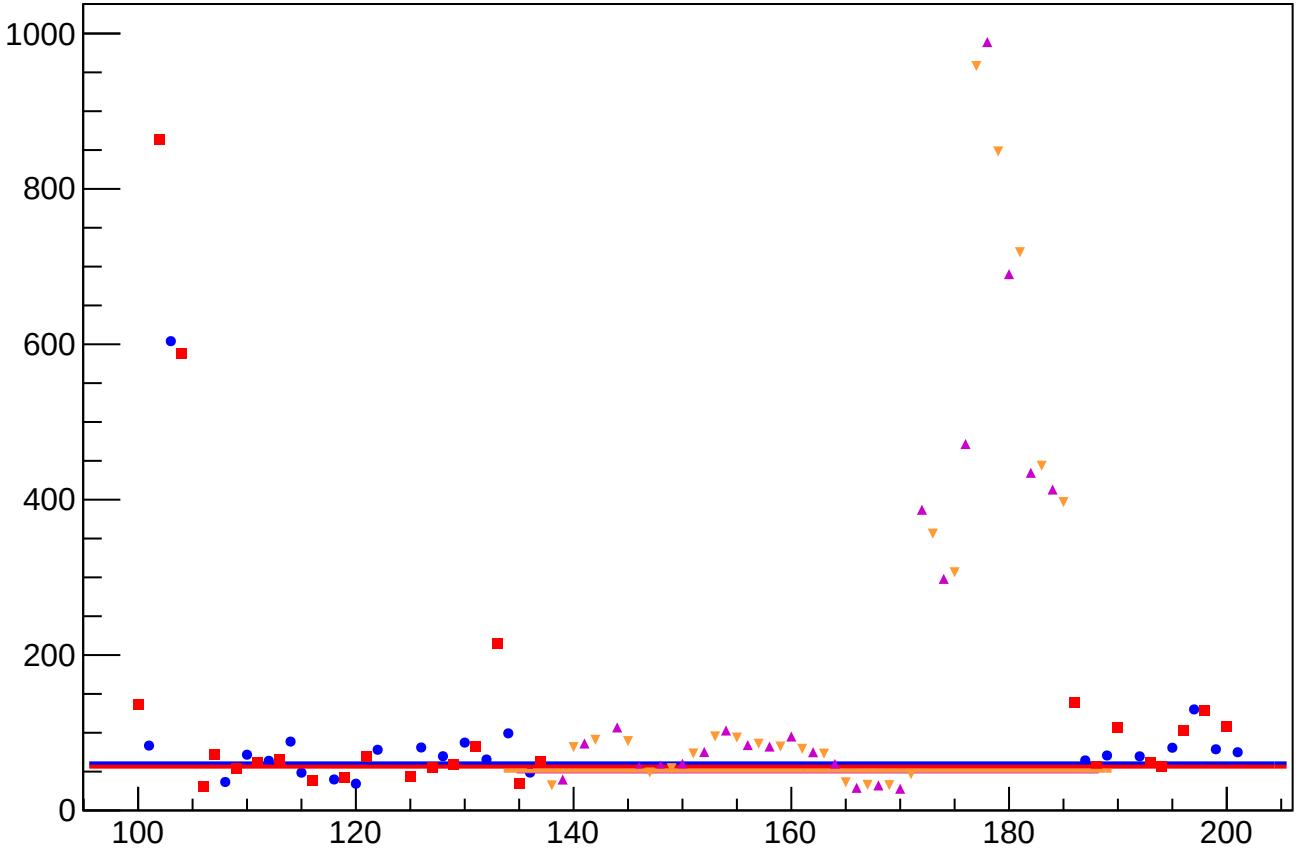
Right: 0.003+/-0.013 χ^2/NDF: 35.0/48

In: -0.002+/-0.012 χ^2/NDF:26.3/45

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 95.0/95

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: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

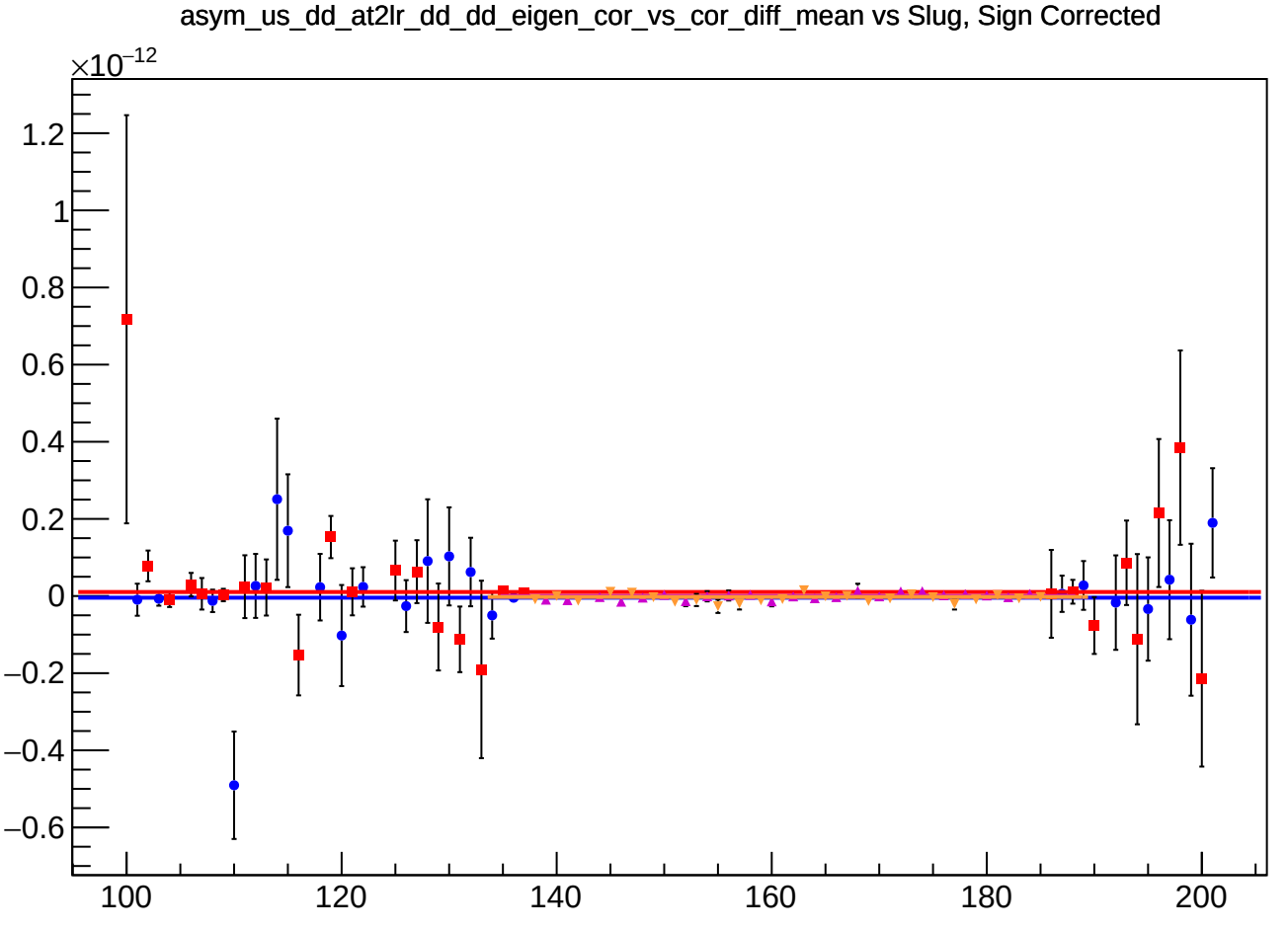
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 58.338+/-0.009 χ^2/NDF: 7904056.7/48

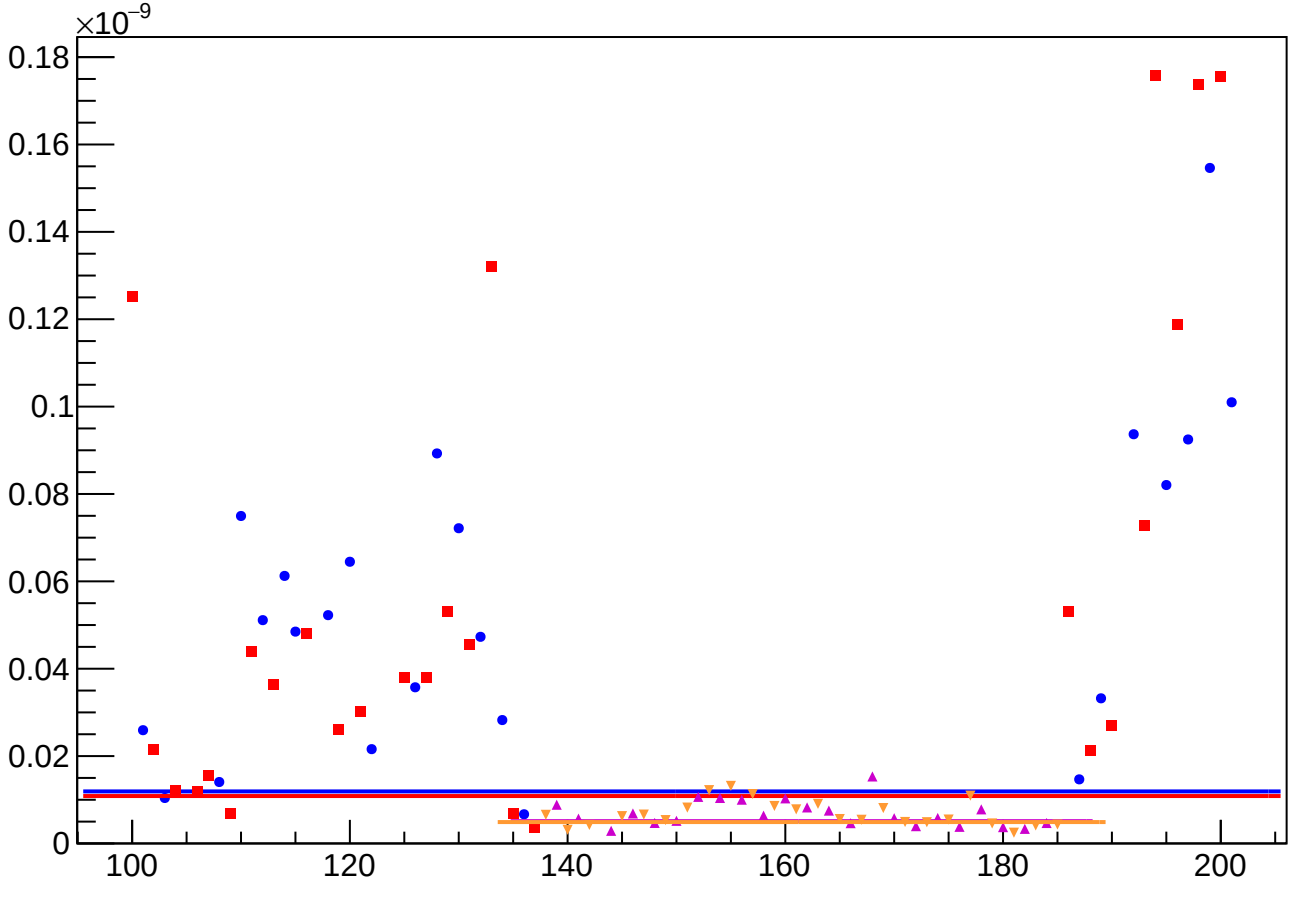
In: 54.152+/-0.009 χ^2/NDF:15628794.1/45

Out: 53.277+/-0.008 χ^2/NDF:16600488.6/49

All: 53.707+/-0.006 χ^2/NDF: 32234650.2/95


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.0/22
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.6/25
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 50.2/48
In: -0.000+/-0.000 χ²/NDF:39.6/45
Out: -0.000+/-0.000 χ²/NDF:52.7/49
All: -0.000+/-0.000 χ²/NDF: 92.6/95

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8687011.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8993534.1/25

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

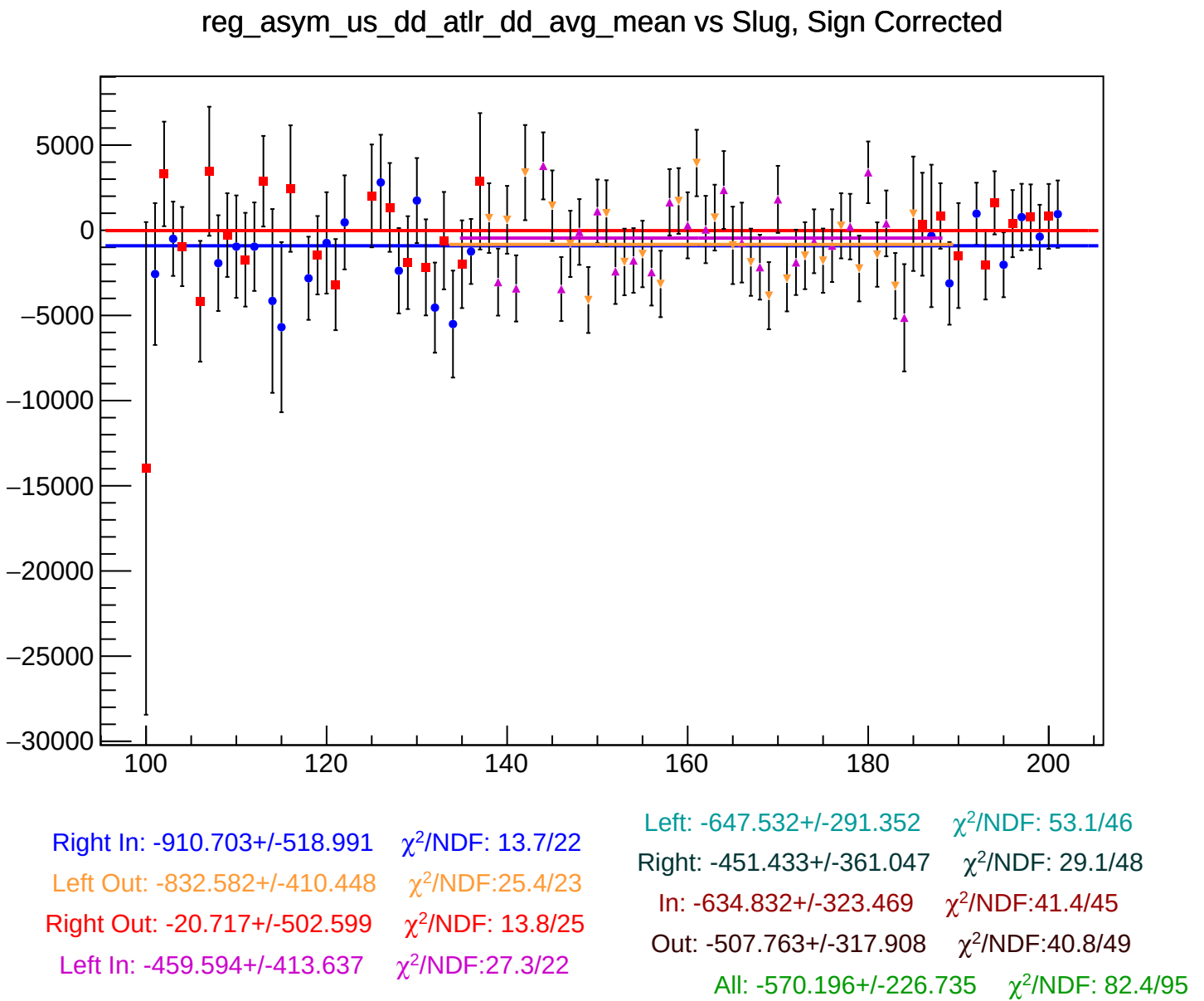
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

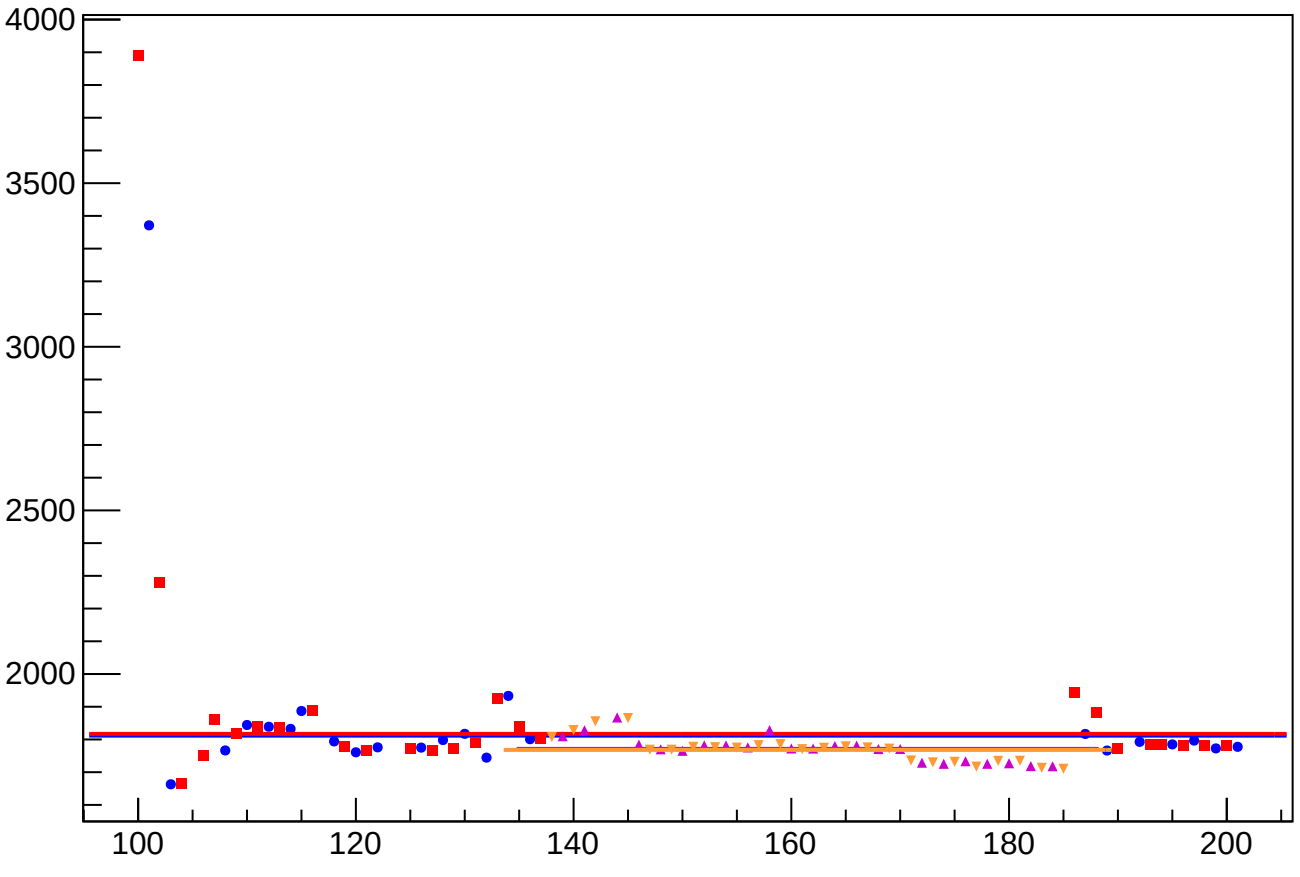
Right: 0.000+/-0.000 χ^2/NDF: 17707225.3/48

In: 0.000+/-0.000 χ^2/NDF:14427311.7/45

Out: 0.000+/-0.000 χ^2/NDF:15013393.0/49

All: 0.000+/-0.000 χ^2/NDF: 29465127.0/95


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: -910.703+/-518.991 χ²/NDF: 13.7/22
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -20.717+/-502.599 χ²/NDF: 13.8/25
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -451.433+/-361.047 χ²/NDF: 29.1/48
In: -634.832+/-323.469 χ²/NDF:41.4/45
Out: -507.763+/-317.908 χ²/NDF:40.8/49
All: -570.196+/-226.735 χ²/NDF: 82.4/95



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: 1817.024+/-0.355 χ^2/NDF: 112852.1/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

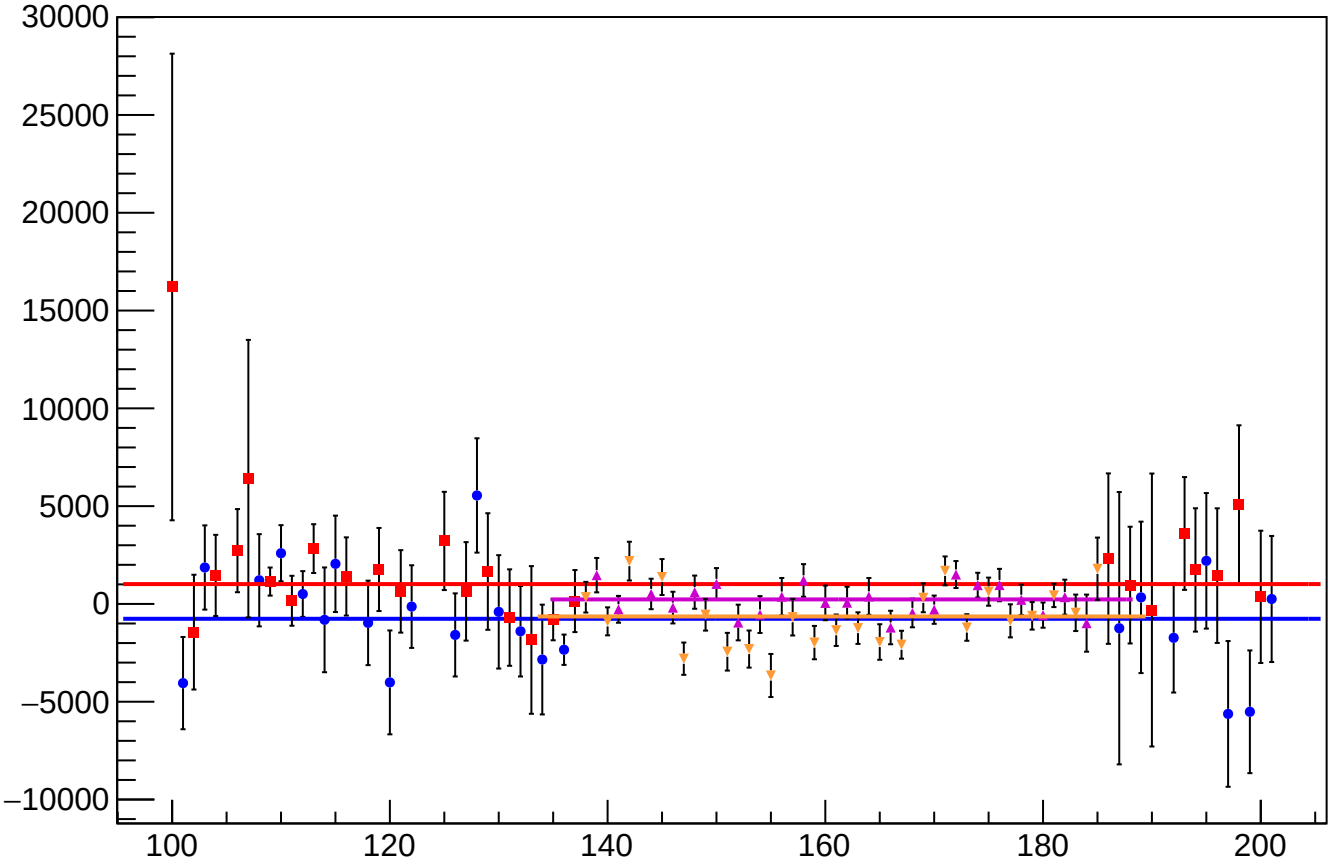
Right: 1814.498+/-0.255 χ^2/NDF: 413202.5/48

In: 1786.984+/-0.229 χ^2/NDF:324152.0/45

Out: 1787.689+/-0.225 χ^2/NDF:140567.4/49

All: 1787.343+/-0.160 χ^2/NDF: 464724.3/95

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: 1014.622+/-375.302 χ^2/NDF: 13.6/25

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

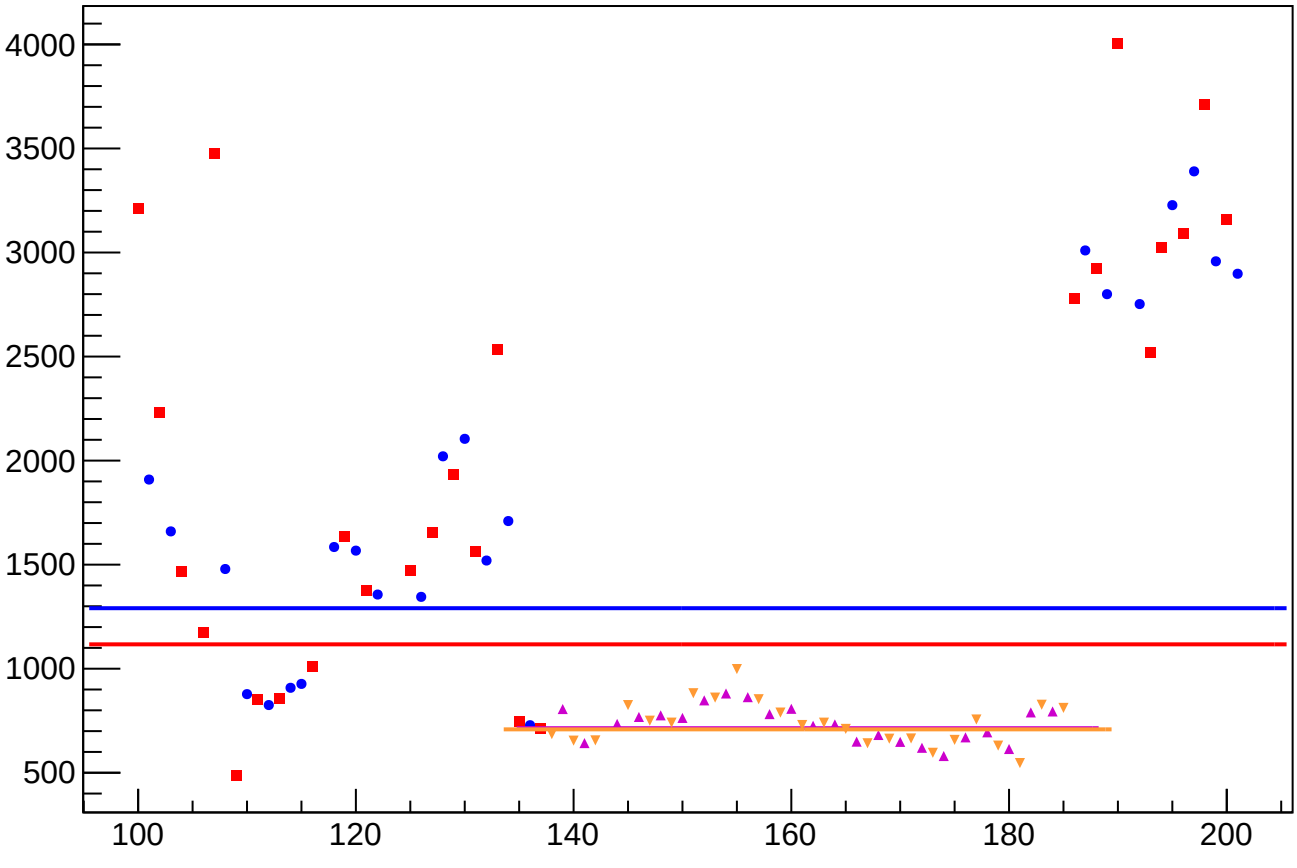
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 225.792+/-279.688 χ^2/NDF: 51.9/48

In: 93.317+/-156.211 χ^2/NDF:53.1/45

Out: -368.893+/-152.156 χ^2/NDF:96.6/49

All: -143.865+/-108.996 χ^2/NDF: 154.1/95



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: 1117.054+/-0.265 χ^2/NDF: 8282089.4/25

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

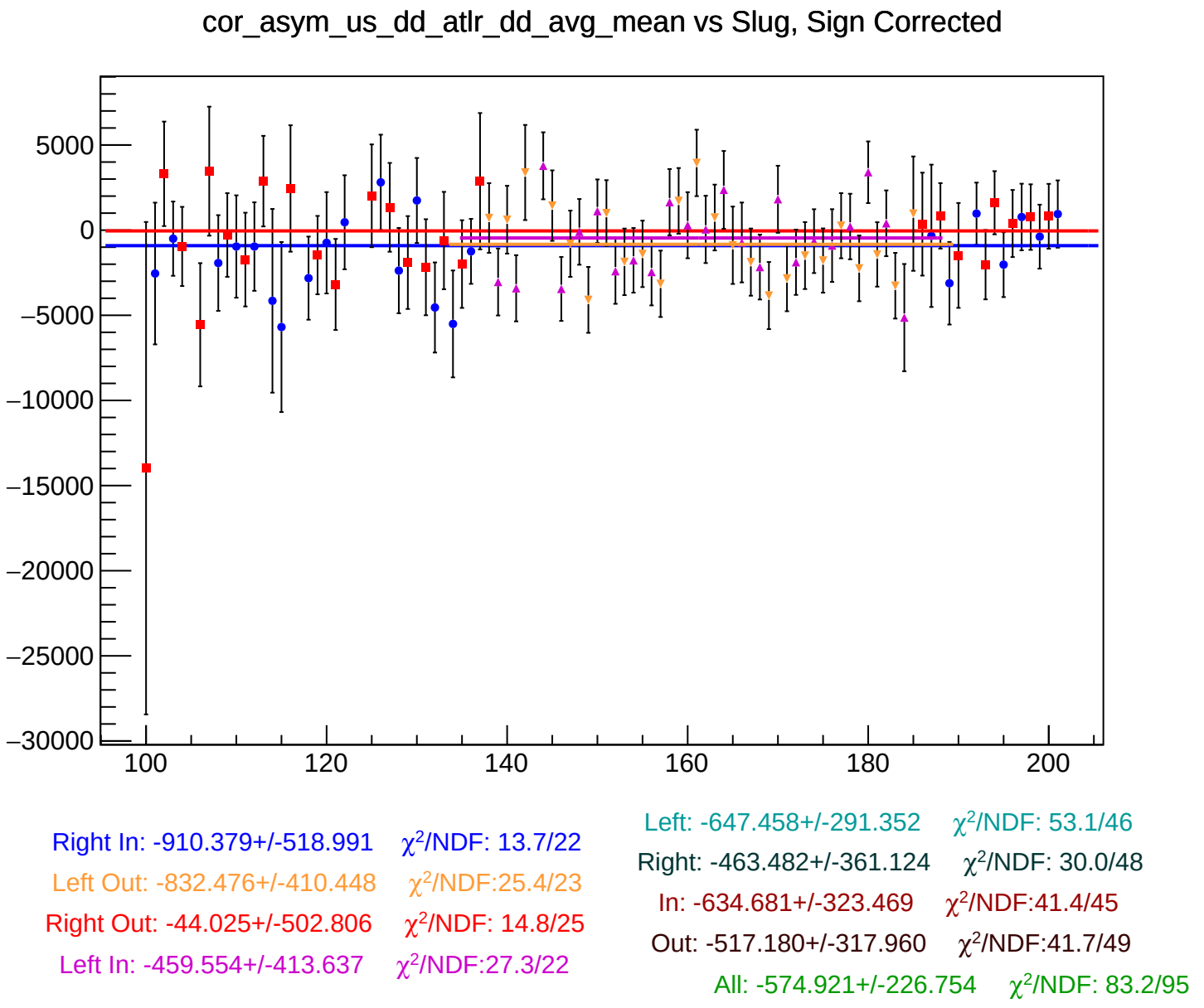
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1194.284+/-0.198 χ^2/NDF: 14004067.3/48

In: 794.133+/-0.110 χ^2/NDF:9283829.6/45

Out: 775.655+/-0.108 χ^2/NDF:10963073.8/49

All: 784.651+/-0.077 χ^2/NDF: 20261263.1/95


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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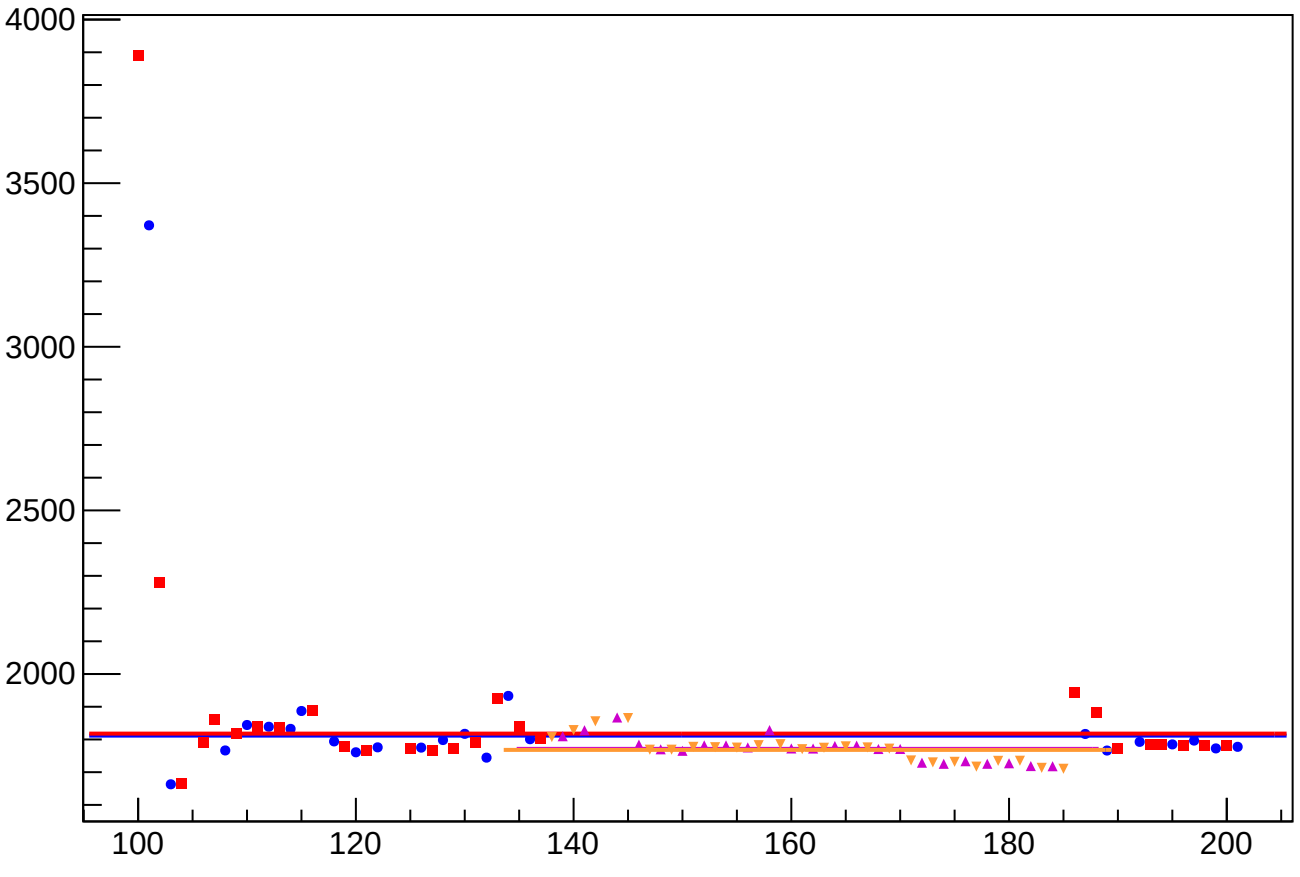
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: -910.379+/-518.991 χ²/NDF: 13.7/22
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -44.025+/-502.806 χ²/NDF: 14.8/25
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -463.482+/-361.124 χ²/NDF: 30.0/48
In: -634.681+/-323.469 χ²/NDF:41.4/45
Out: -517.180+/-317.960 χ²/NDF:41.7/49
All: -574.921+/-226.754 χ²/NDF: 83.2/95



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: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

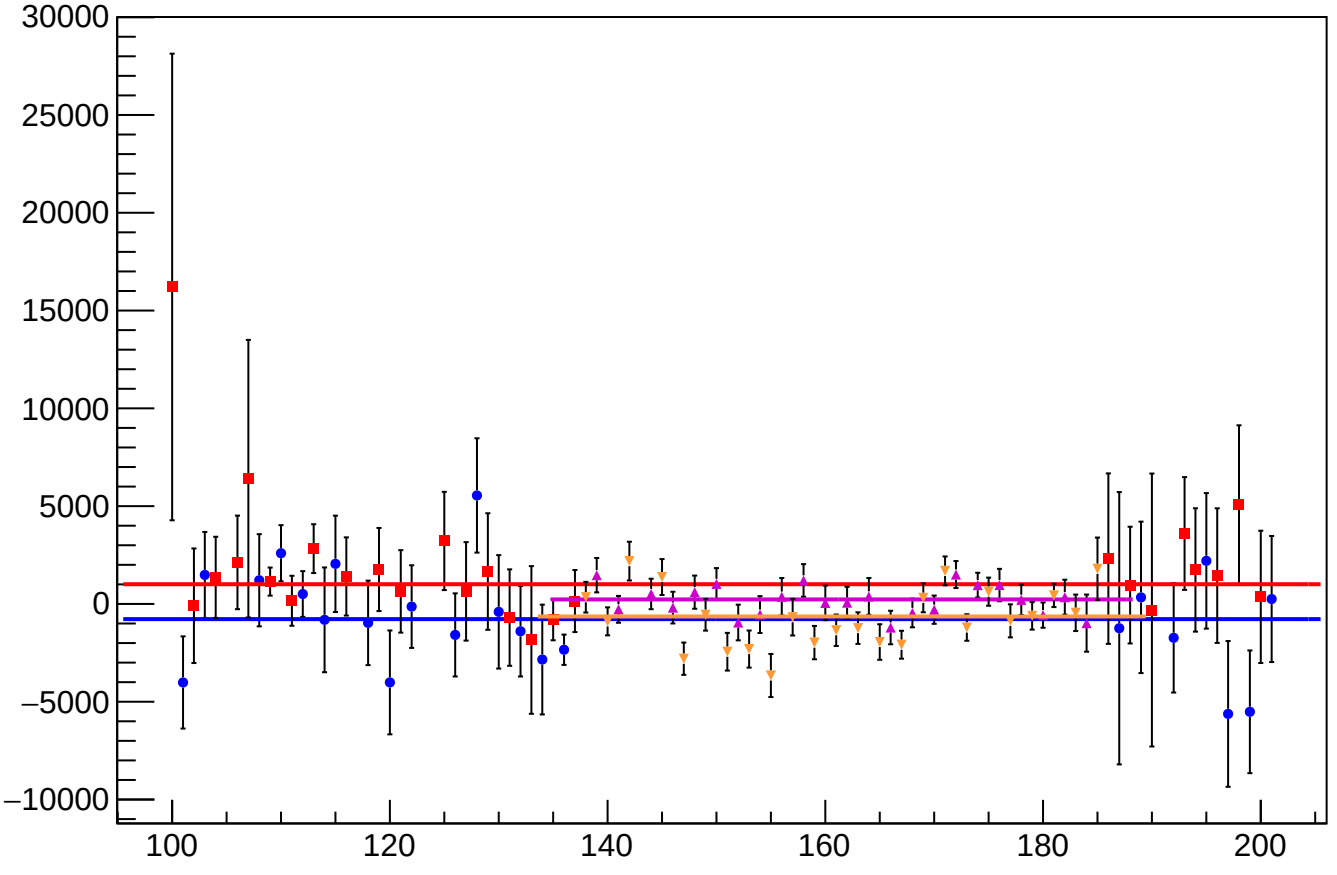
Right: 1814.932+/-0.255 χ^2/NDF: 412632.6/48

In: 1786.984+/-0.229 χ^2/NDF:324153.8/45

Out: 1788.017+/-0.225 χ^2/NDF:140348.7/49

All: 1787.509+/-0.160 χ^2/NDF: 464512.9/95

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: 1007.234+/-376.510 χ^2/NDF: 12.6/25

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

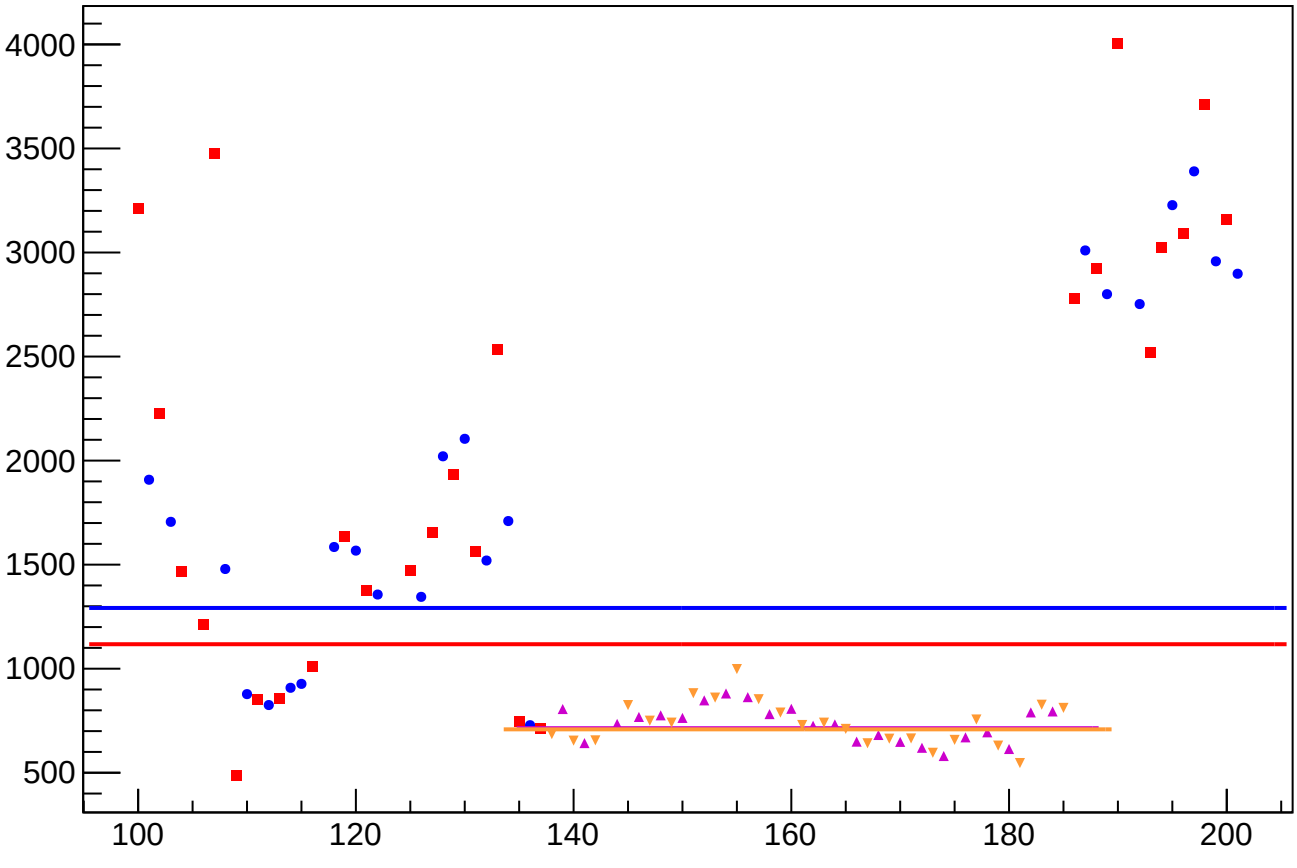
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 212.003+/-280.282 χ^2/NDF: 50.5/48

In: 91.082+/-156.228 χ^2/NDF:52.7/45

Out: -371.536+/-152.237 χ^2/NDF:95.3/49

All: -146.212+/-109.032 χ^2/NDF: 152.6/95



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: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

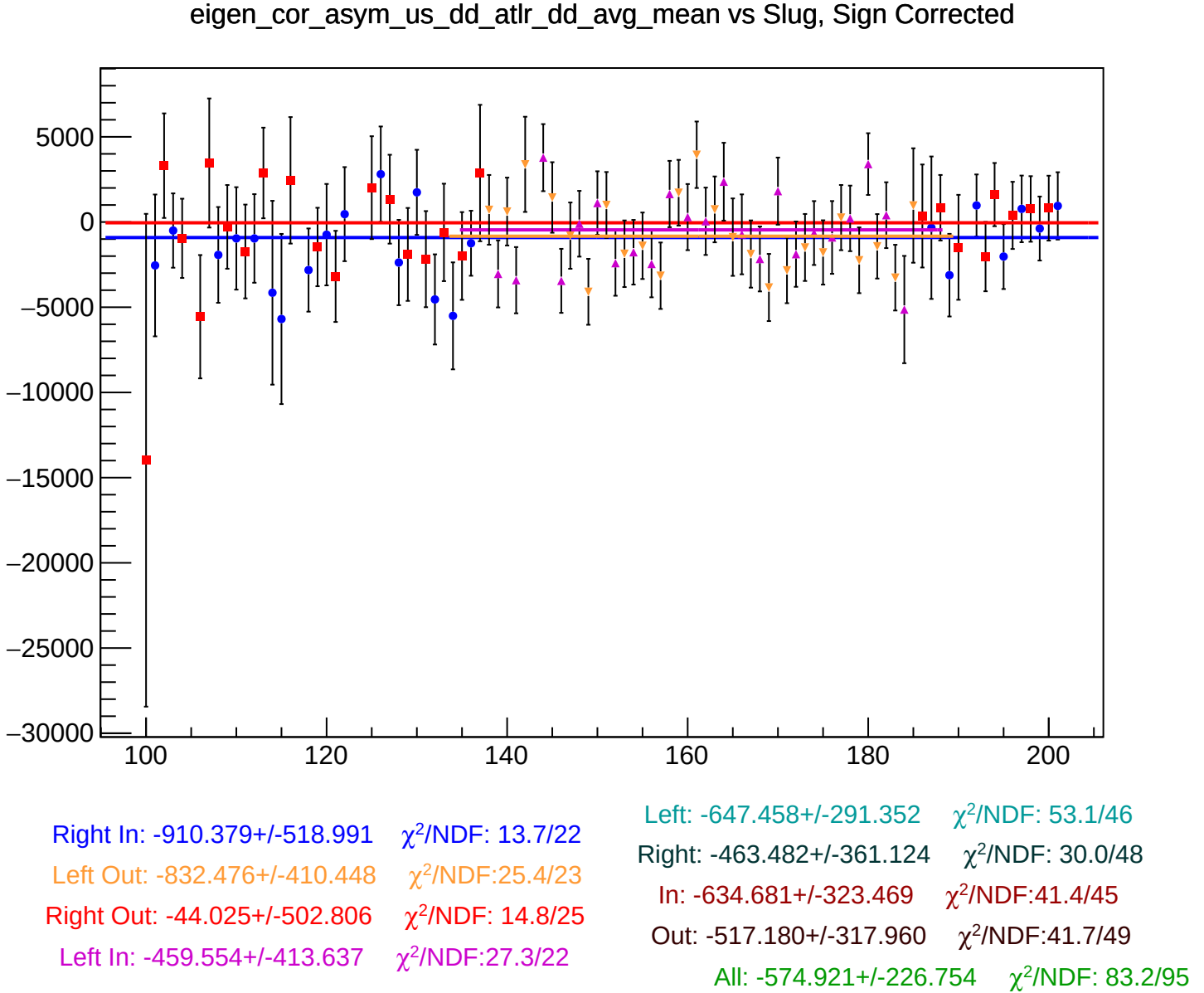
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1195.294+/-0.198 χ^2/NDF: 14017341.6/48

In: 794.189+/-0.110 χ^2/NDF:9304242.4/45

Out: 775.391+/-0.108 χ^2/NDF:10958246.8/49

All: 784.547+/-0.077 χ^2/NDF: 20277342.5/95


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−15000
−20000
−25000
−30000
100
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140
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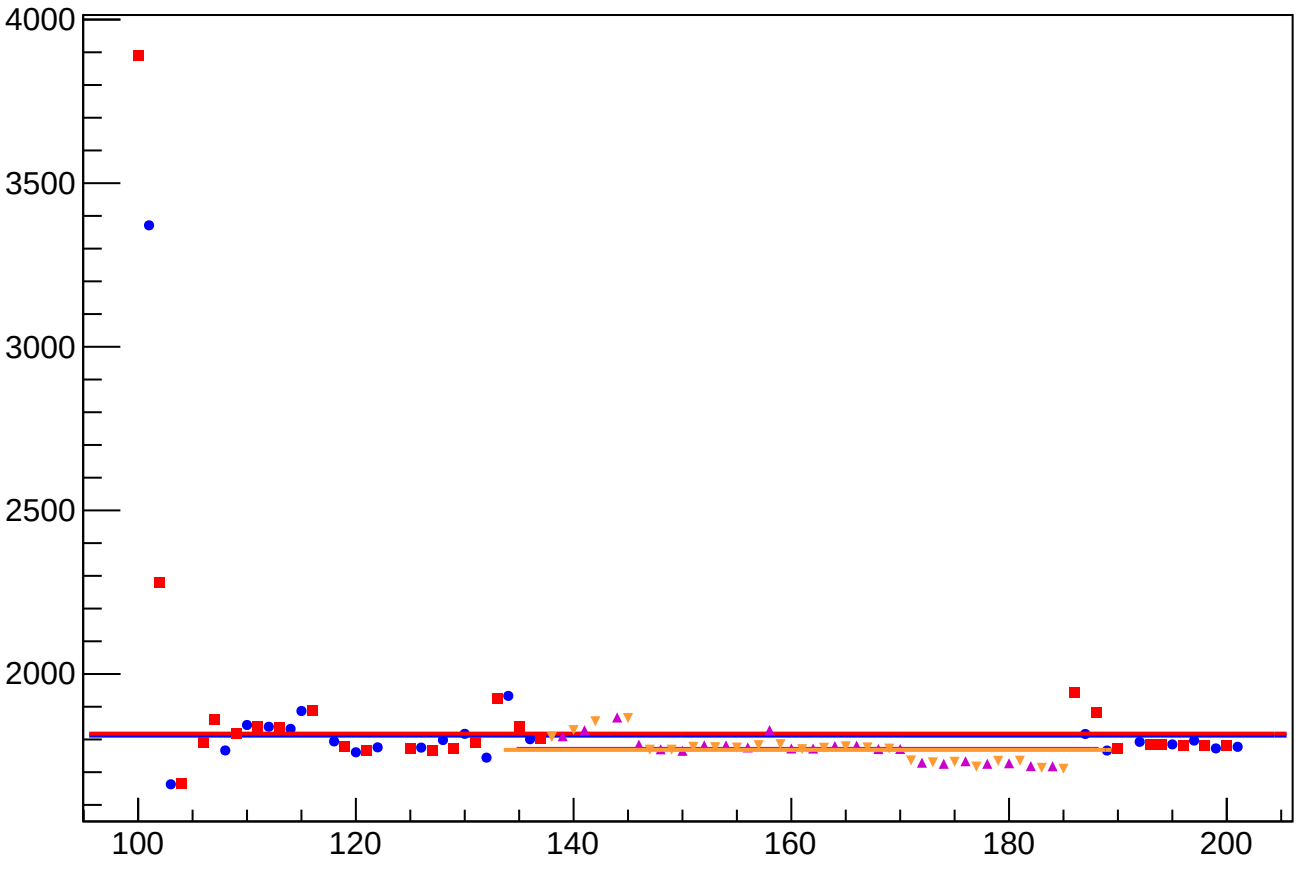
180
200
Right In: -910.379+/-518.991 χ²/NDF: 13.7/22
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -44.025+/-502.806 χ²/NDF: 14.8/25
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -463.482+/-361.124 χ²/NDF: 30.0/48
In: -634.681+/-323.469 χ²/NDF:41.4/45
Out: -517.180+/-317.960 χ²/NDF:41.7/49
All: -574.921+/-226.754 χ²/NDF: 83.2/95



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: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

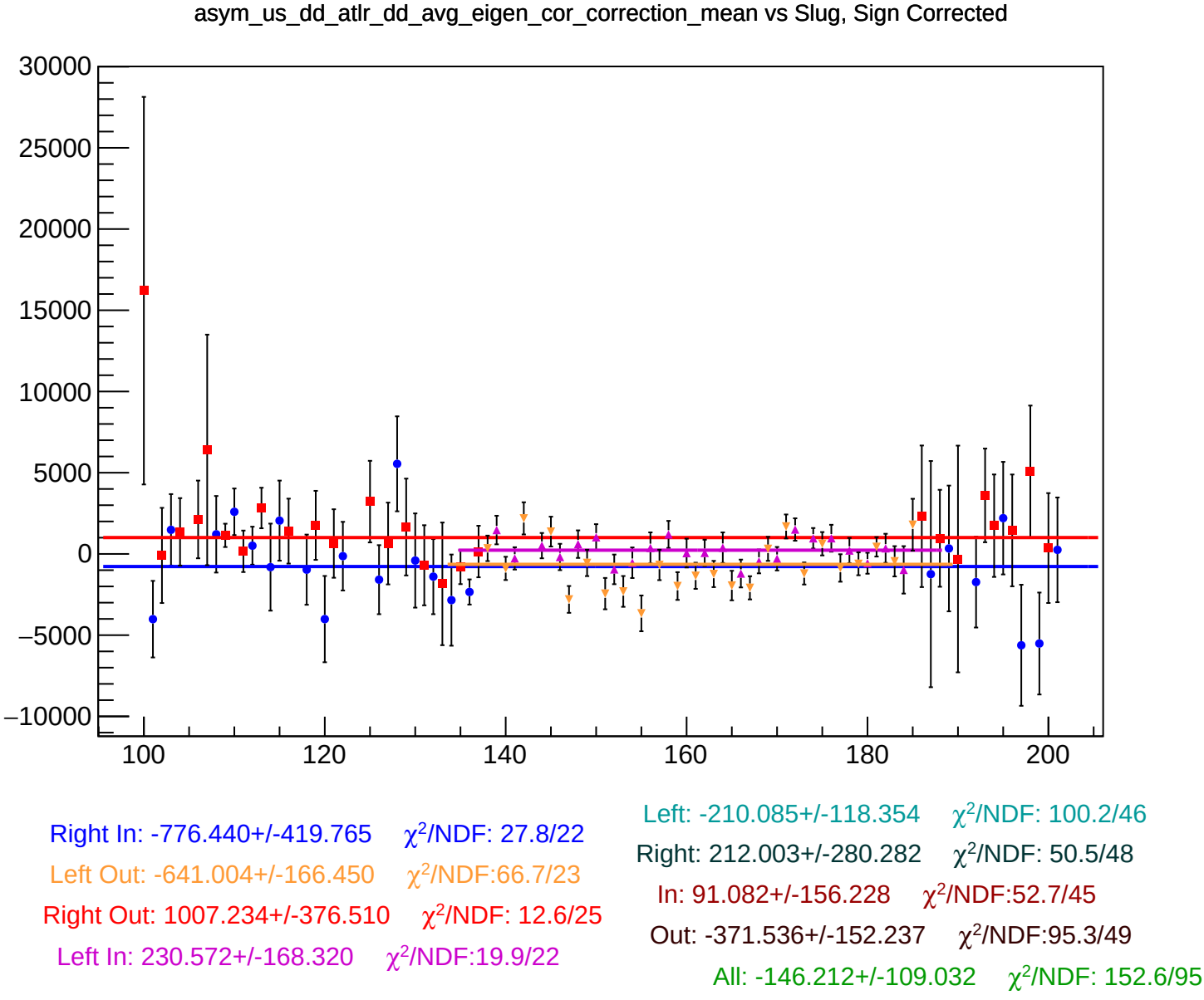
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1814.932+/-0.255 χ^2/NDF: 412632.6/48

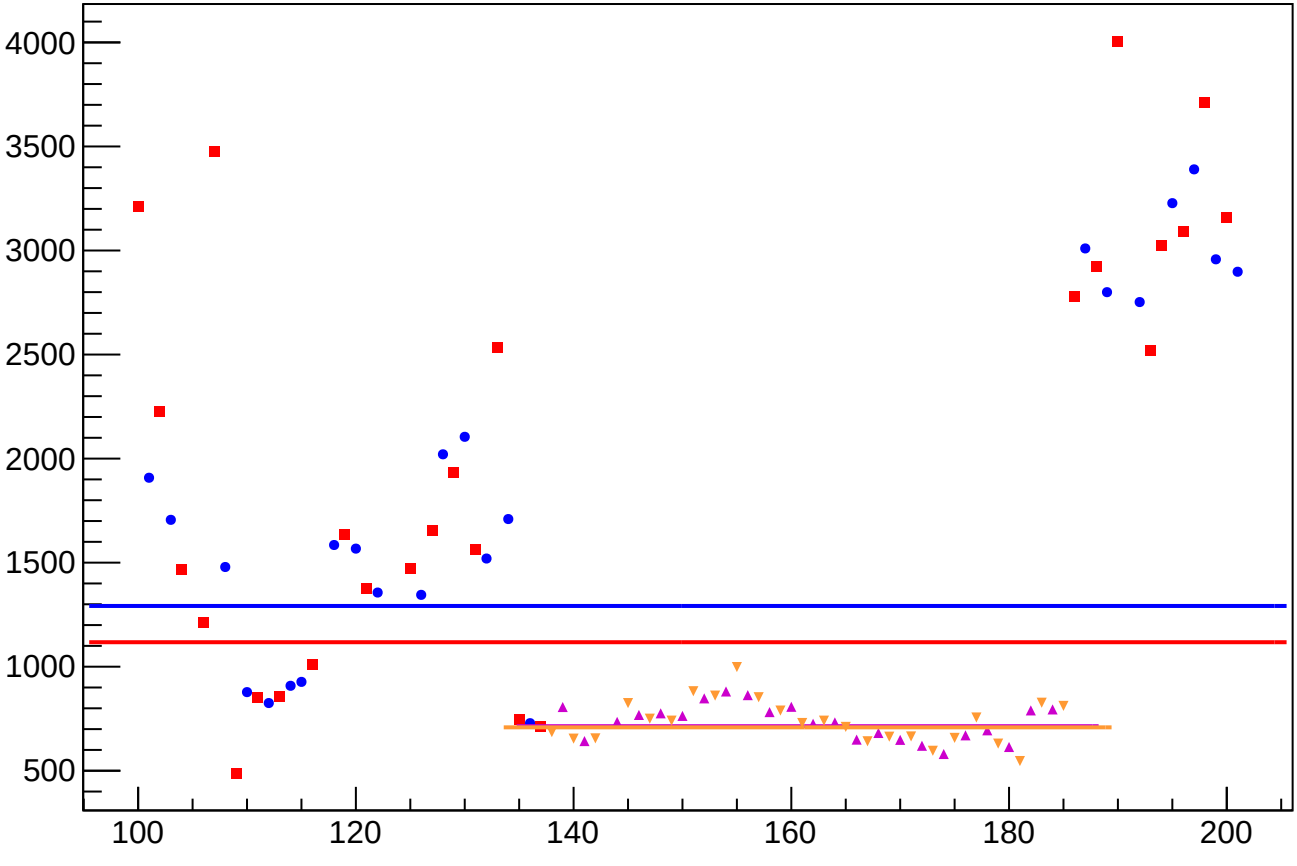
In: 1786.984+/-0.229 χ^2/NDF:324153.8/45

Out: 1788.017+/-0.225 χ^2/NDF:140348.7/49

All: 1787.509+/-0.160 χ^2/NDF: 464512.9/95


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -776.440+/-419.765 χ²/NDF: 27.8/22
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 1007.234+/-376.510 χ²/NDF: 12.6/25
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 212.003+/-280.282 χ²/NDF: 50.5/48
In: 91.082+/-156.228 χ²/NDF:52.7/45
Out: -371.536+/-152.237 χ²/NDF:95.3/49
All: -146.212+/-109.032 χ²/NDF: 152.6/95

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: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

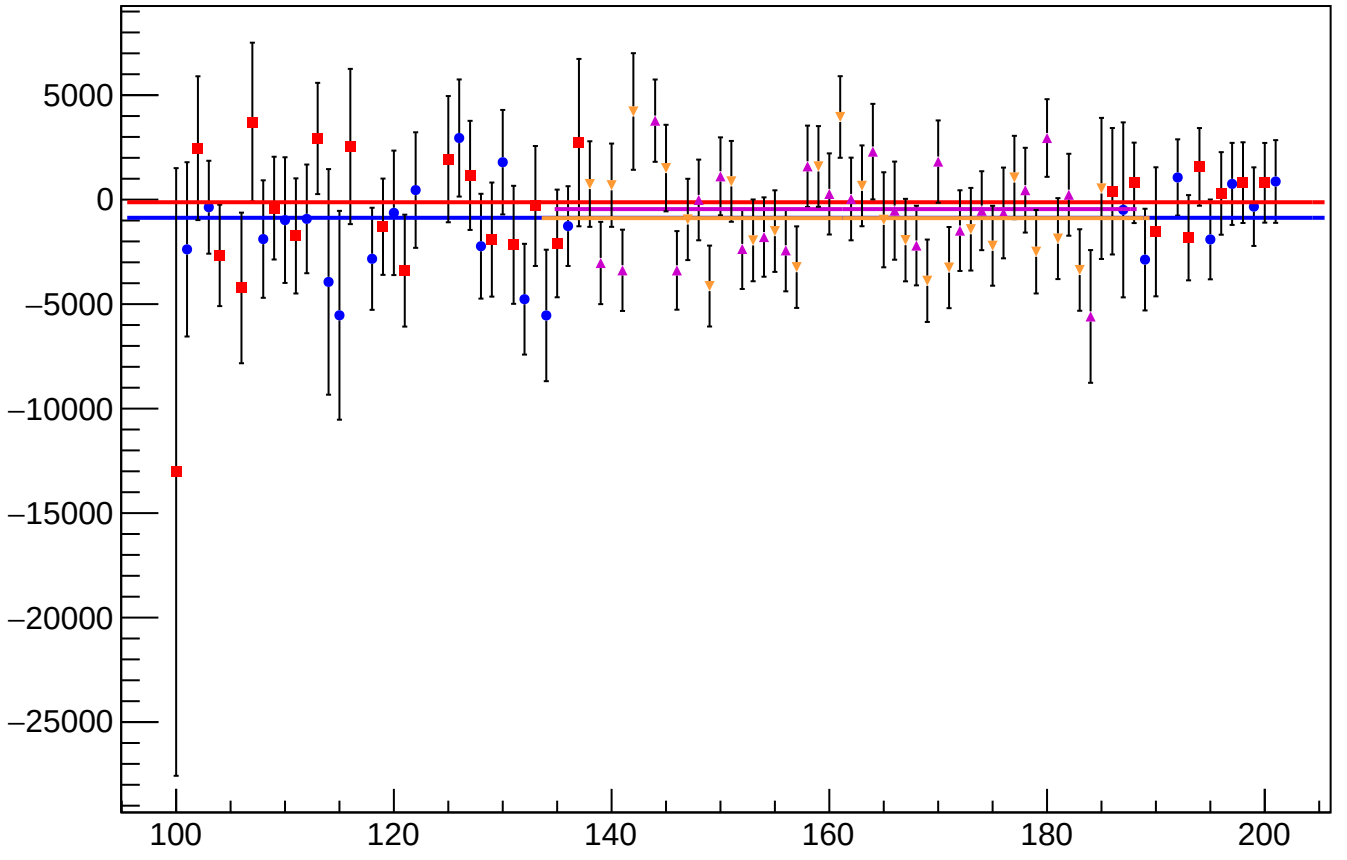
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1195.294+/-0.198 χ^2/NDF: 14017341.6/48

In: 794.189+/-0.110 χ^2/NDF:9304242.4/45

Out: 775.391+/-0.108 χ^2/NDF:10958246.8/49

All: 784.547+/-0.077 χ^2/NDF: 20277342.5/95



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: -124.959+/-505.848 χ^2/NDF: 14.0/25

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

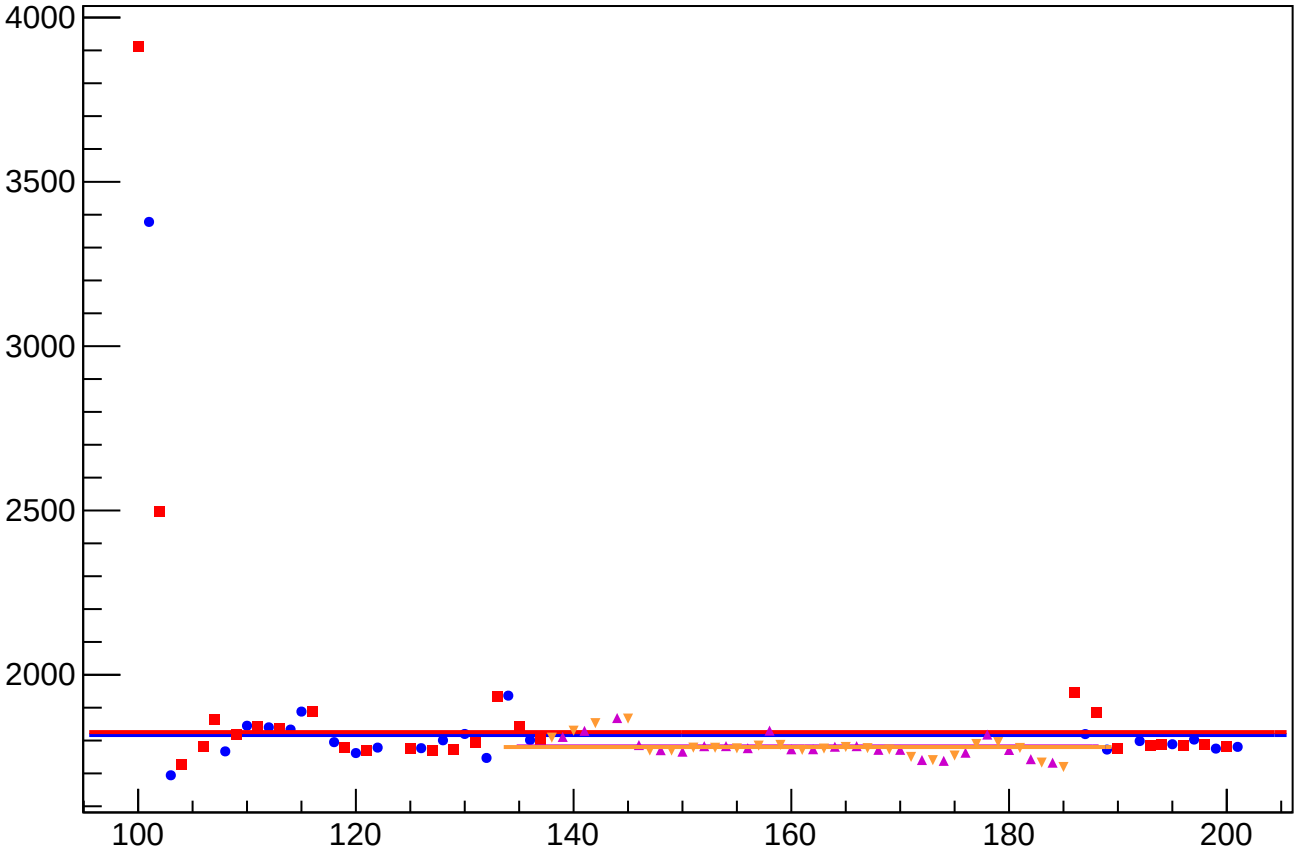
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -486.509+/-362.719 χ^2/NDF: 28.7/48

In: -615.489+/-325.031 χ^2/NDF:39.9/45

Out: -581.615+/-320.021 χ^2/NDF:43.5/49

All: -598.289+/-228.040 χ^2/NDF: 83.4/95



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: 1825.719+/-0.358 χ^2/NDF: 138760.9/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

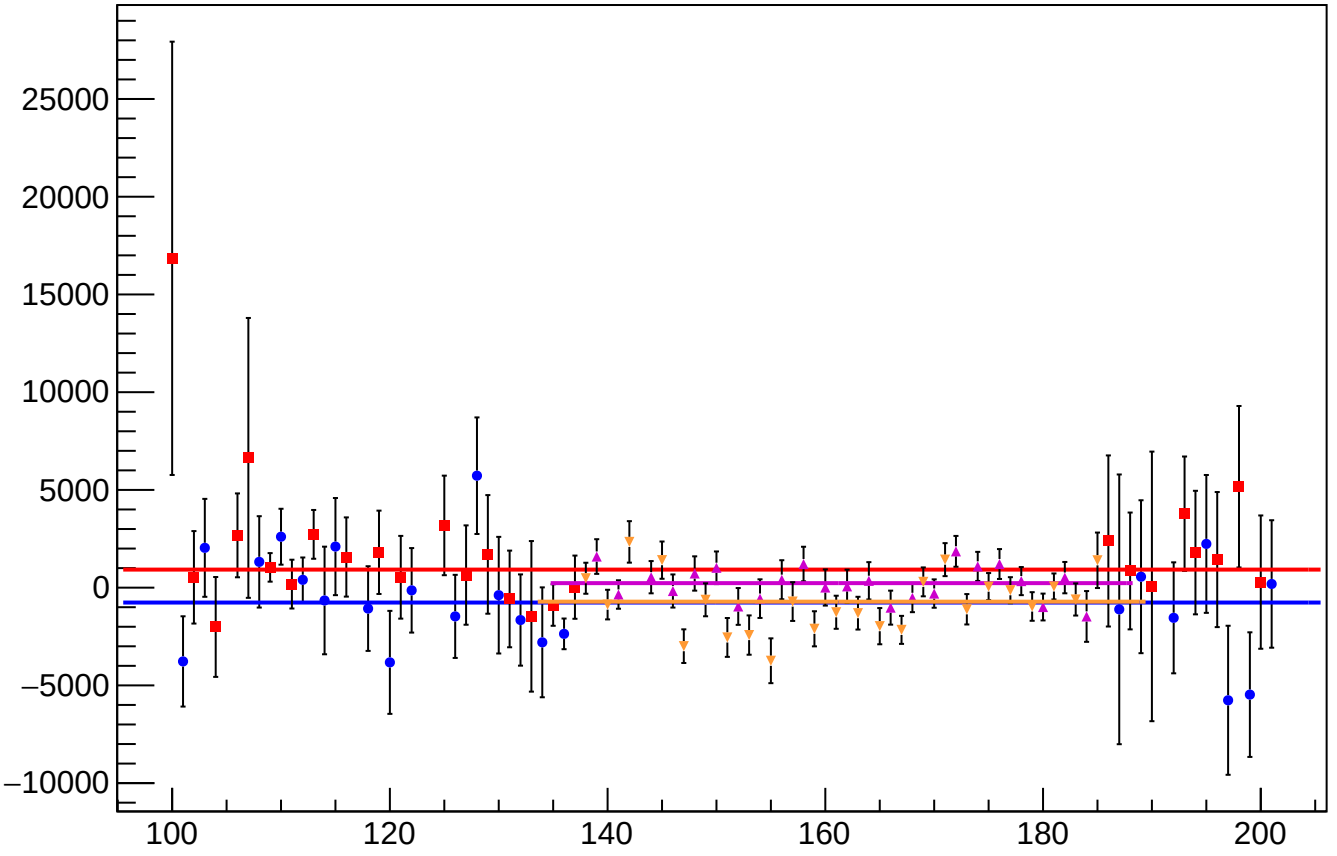
Right: 1821.356+/-0.256 χ^2/NDF: 435984.8/48

In: 1795.734+/-0.230 χ^2/NDF:313492.4/45

Out: 1798.431+/-0.226 χ^2/NDF:158845.3/49

All: 1797.103+/-0.161 χ^2/NDF: 472407.6/95

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: 923.899+/-378.794 χ^2/NDF: 14.6/25

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

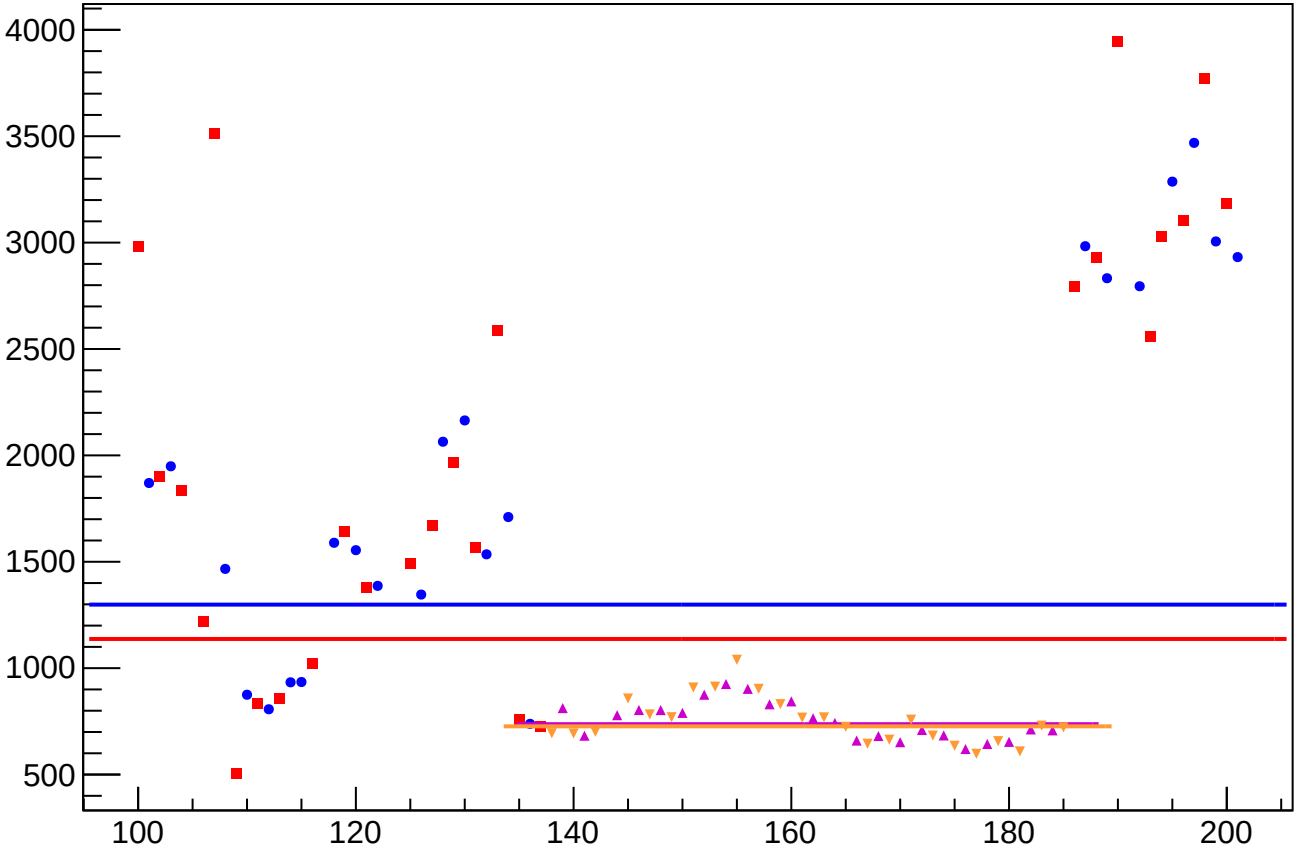
Right: 174.210+/-282.269 χ^2/NDF: 51.1/48

In: 88.540+/-160.486 χ^2/NDF:56.5/45

Out: -439.950+/-155.554 χ^2/NDF:89.5/49

All: -183.951+/-111.696 χ^2/NDF: 151.7/95

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: 1137.201+/-0.268 χ^2/NDF: 8210895.8/25

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

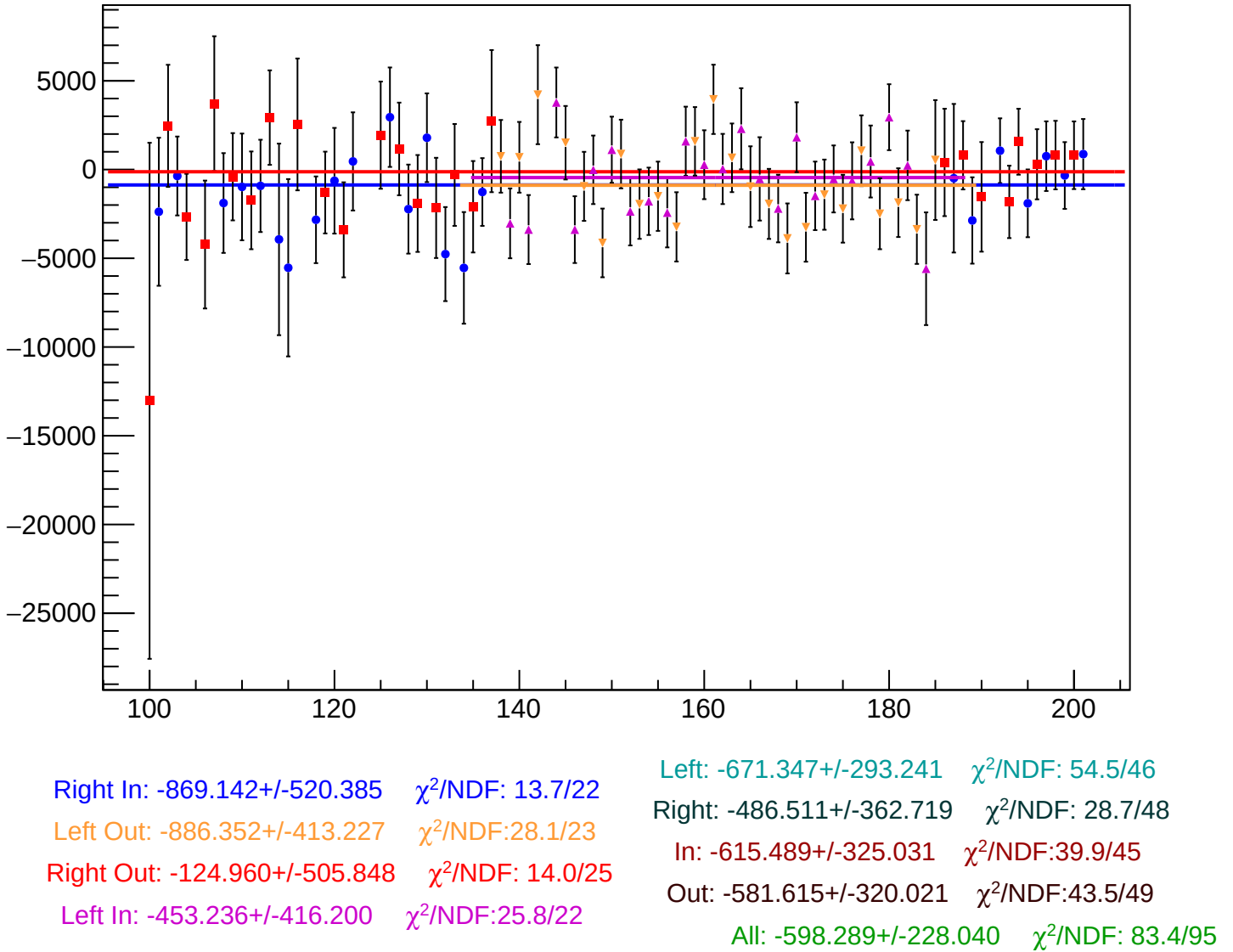
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1209.000+/-0.200 χ^2/NDF: 14047307.2/48

In: 817.492+/-0.113 χ^2/NDF:9158176.6/45

Out: 795.846+/-0.110 χ^2/NDF:10849320.1/49

All: 806.331+/-0.079 χ^2/NDF: 20026255.8/95


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−15000
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−25000
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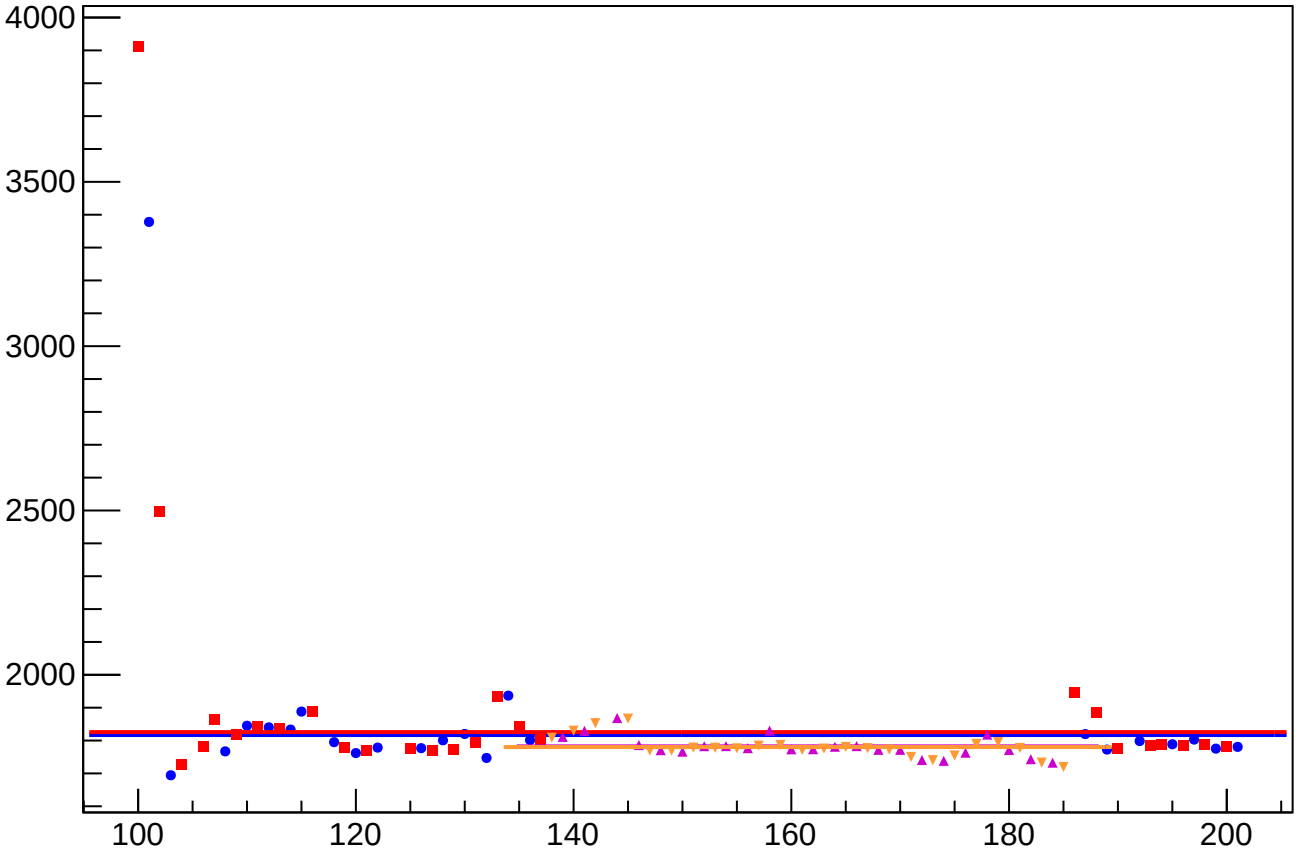
Right In: -869.142+/-520.385 χ²/NDF: 13.7/22
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -124.960+/-505.848 χ²/NDF: 14.0/25
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -486.511+/-362.719 χ²/NDF: 28.7/48
In: -615.489+/-325.031 χ²/NDF:39.9/45
Out: -581.615+/-320.021 χ²/NDF:43.5/49
All: -598.289+/-228.040 χ²/NDF: 83.4/95



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: 1825.719+/-0.358 χ^2/NDF: 138761.0/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

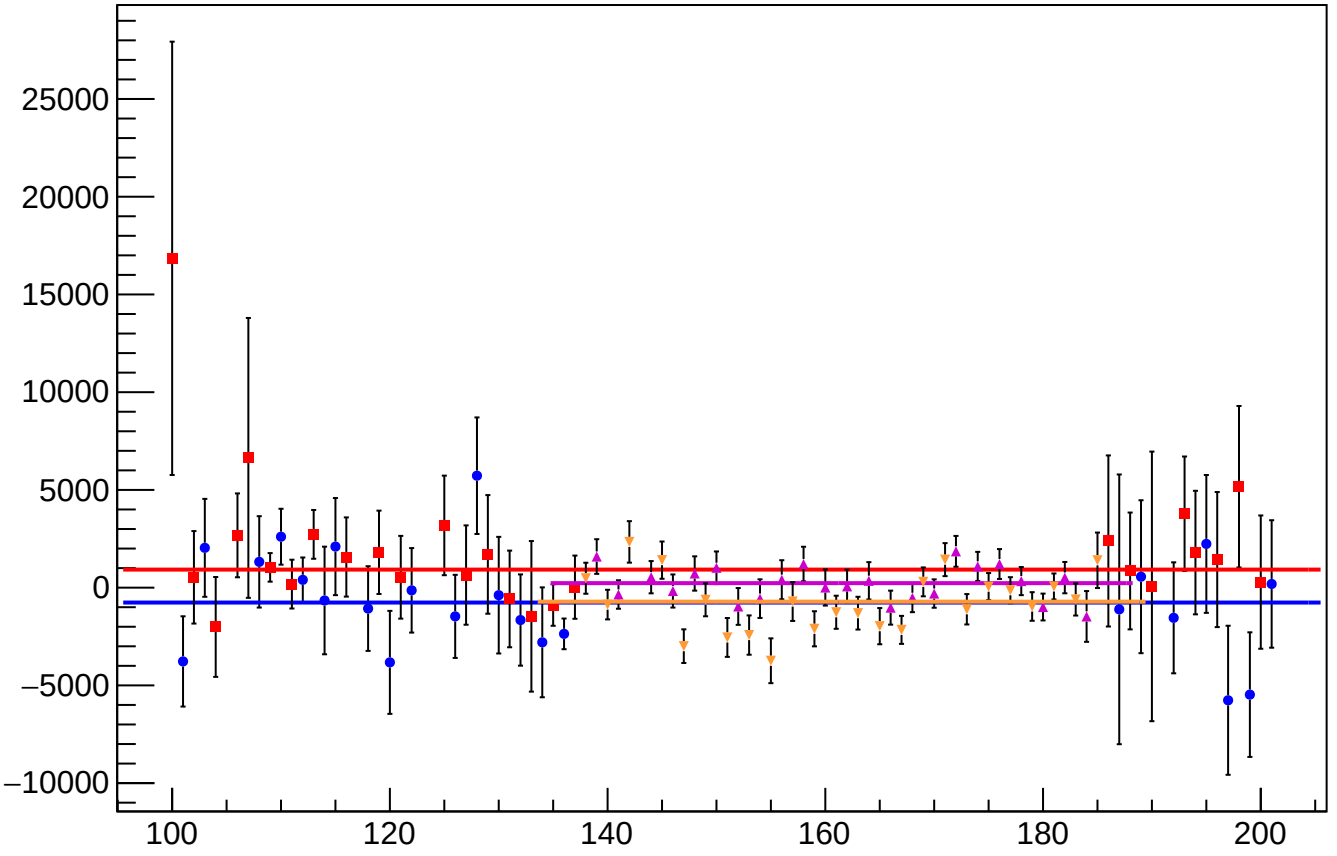
Right: 1821.356+/-0.256 χ^2/NDF: 435984.8/48

In: 1795.734+/-0.230 χ^2/NDF:313492.4/45

Out: 1798.430+/-0.226 χ^2/NDF:158845.5/49

All: 1797.103+/-0.161 χ^2/NDF: 472407.7/95

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -761.877+/-423.276 χ^2/NDF: 27.7/22

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 923.906+/-378.795 χ^2/NDF: 14.6/25

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

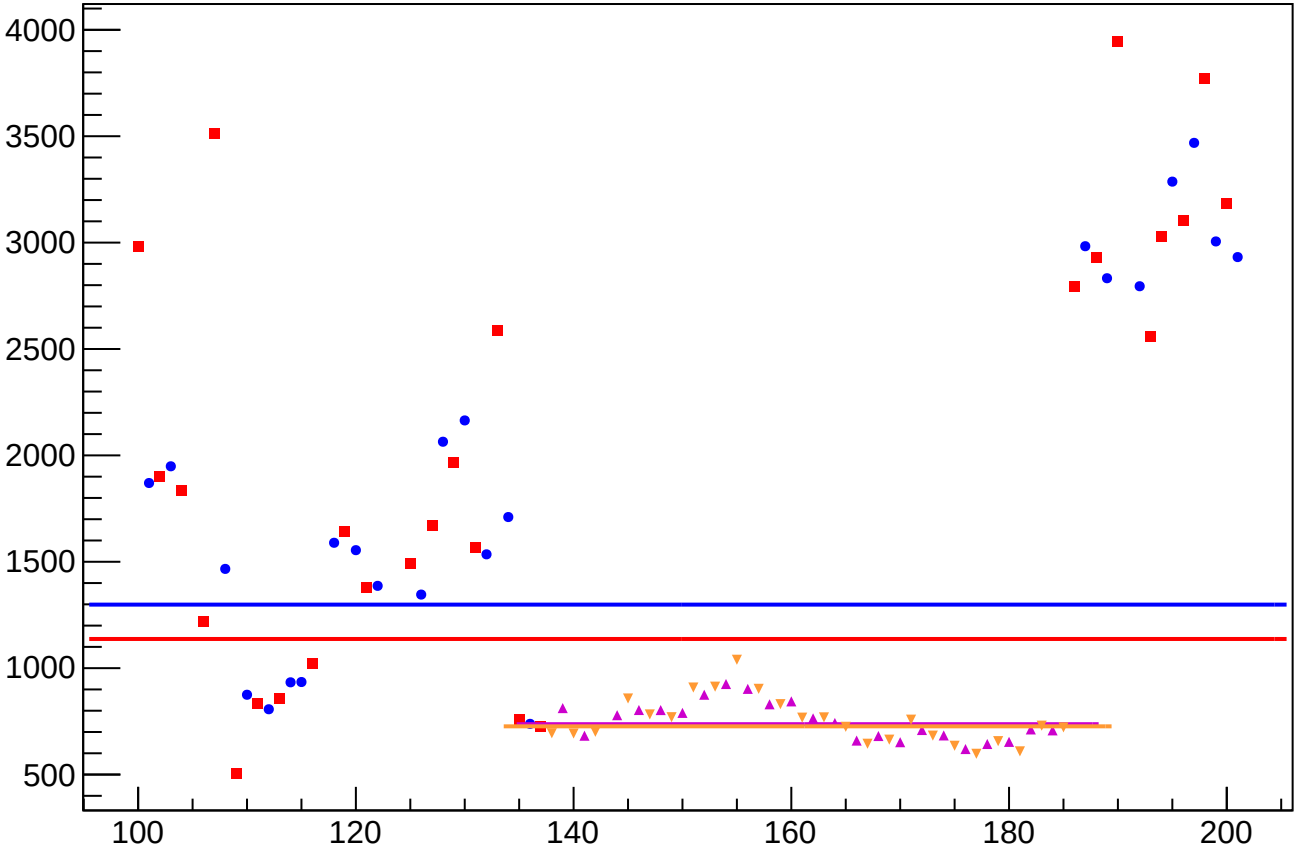
Right: 174.219+/-282.269 χ^2/NDF: 51.1/48

In: 88.541+/-160.486 χ^2/NDF:56.5/45

Out: -439.951+/-155.554 χ^2/NDF:89.5/49

All: -183.951+/-111.696 χ^2/NDF: 151.7/95

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.654+/-0.299 χ^2/NDF: 5674790.8/22

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1137.204+/-0.268 χ^2/NDF: 8210859.0/25

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

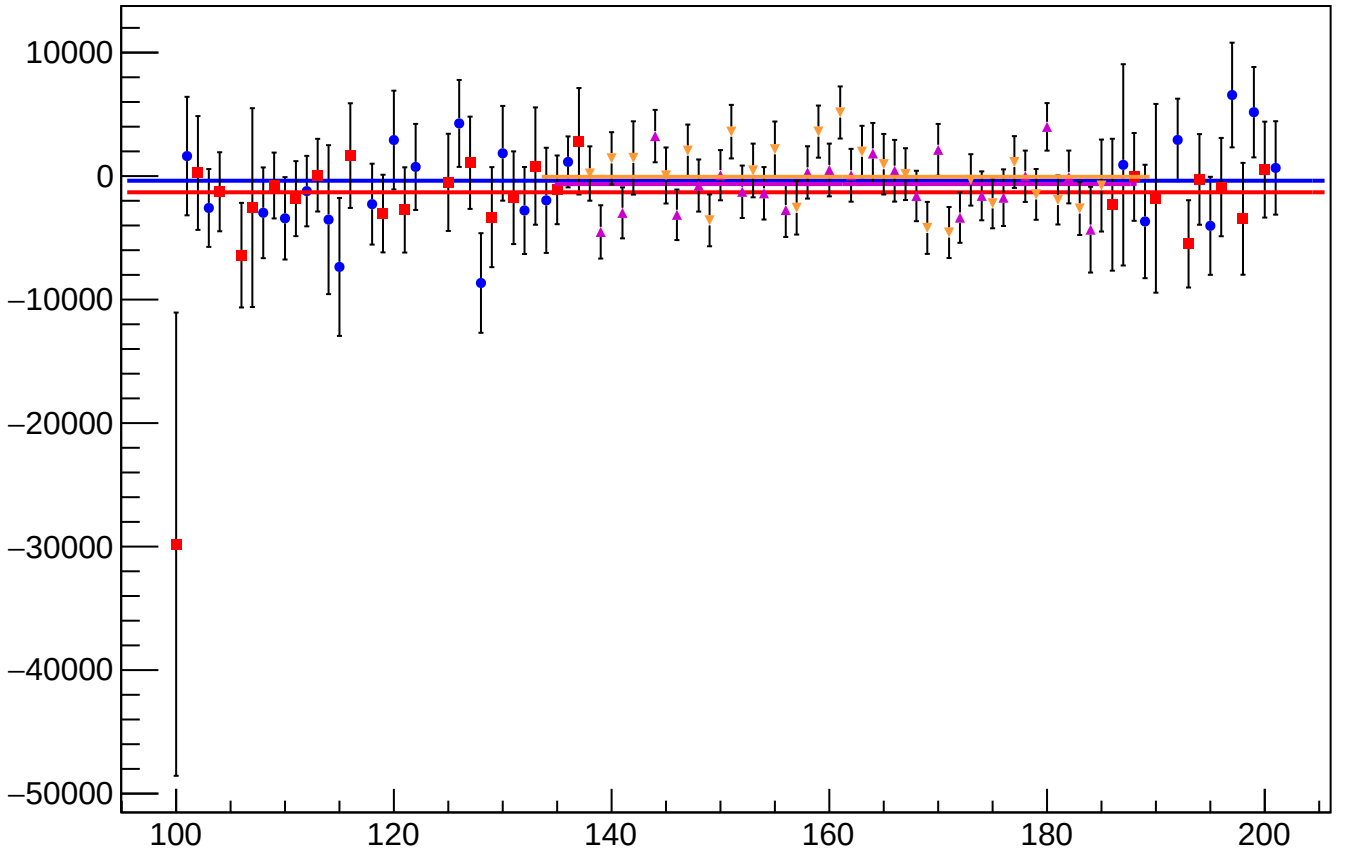
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1209.002+/-0.200 χ^2/NDF: 14047225.3/48

In: 817.492+/-0.113 χ^2/NDF:9158175.5/45

Out: 795.847+/-0.110 χ^2/NDF:10849297.4/49

All: 806.332+/-0.079 χ^2/NDF: 20026230.5/95



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: -1312.307+/-748.731 χ^2/NDF: 9.1/25

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

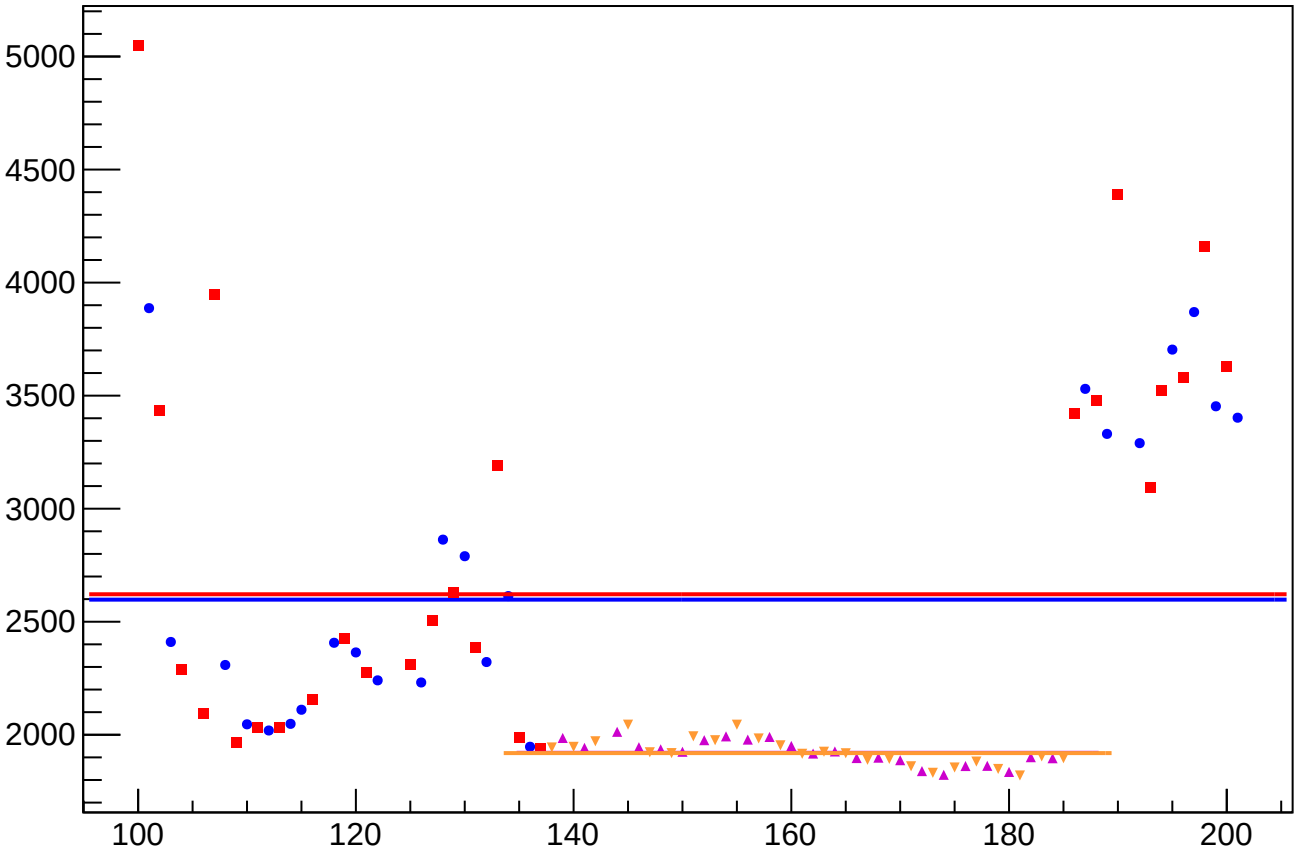
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -852.222+/-533.825 χ^2/NDF: 29.7/48

In: -577.244+/-386.453 χ^2/NDF:43.6/45

Out: -387.242+/-382.918 χ^2/NDF:44.1/49

All: -481.370+/-272.005 χ^2/NDF: 87.9/95



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: 2621.508+/-0.529 χ^2/NDF: 1643461.6/25

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

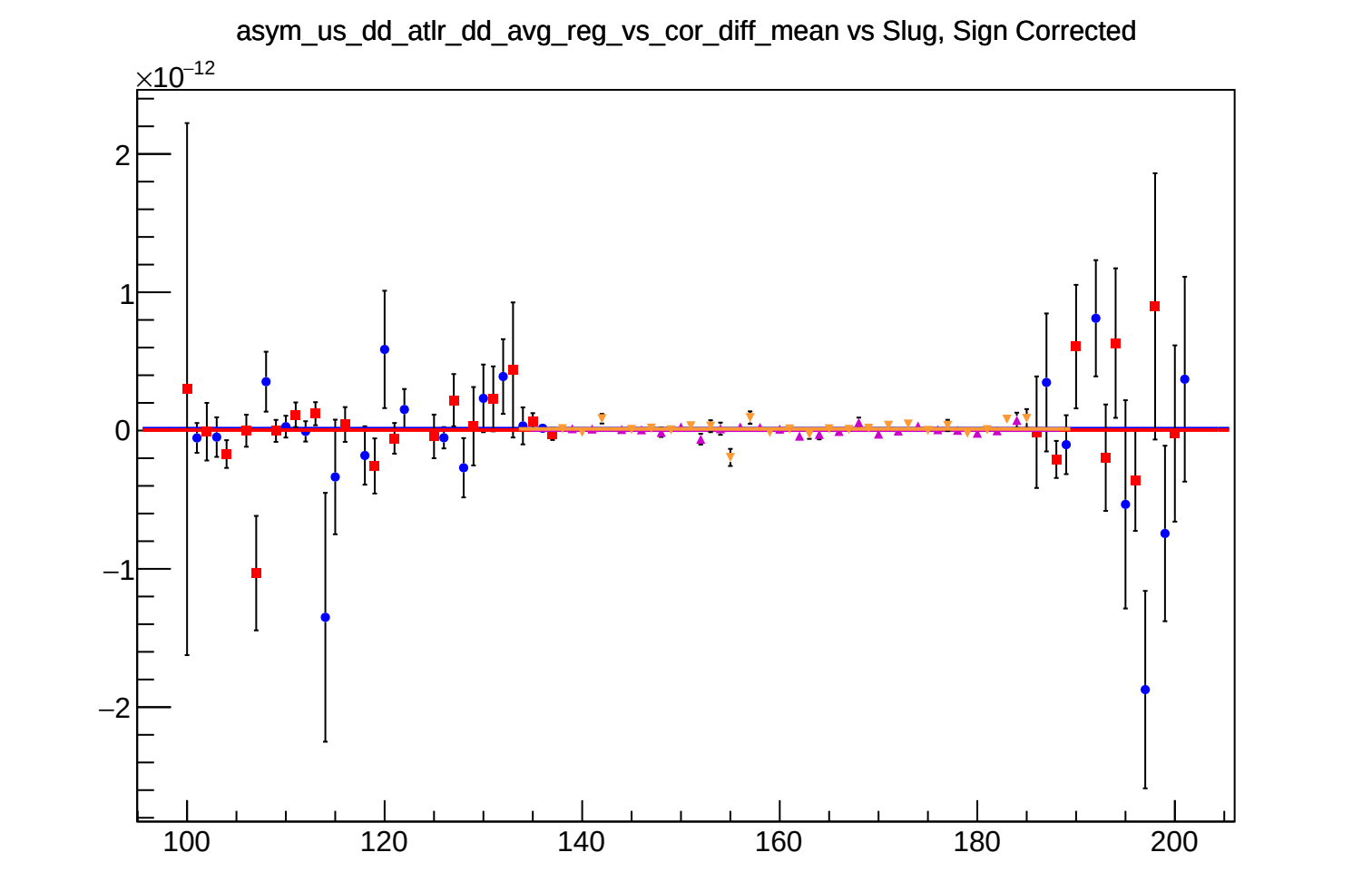
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2609.819+/-0.377 χ^2/NDF: 2956604.4/48

In: 2094.794+/-0.273 χ^2/NDF:2517893.4/45

Out: 2102.727+/-0.271 χ^2/NDF:2979311.0/49

All: 2098.797+/-0.192 χ^2/NDF: 5497629.7/95



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

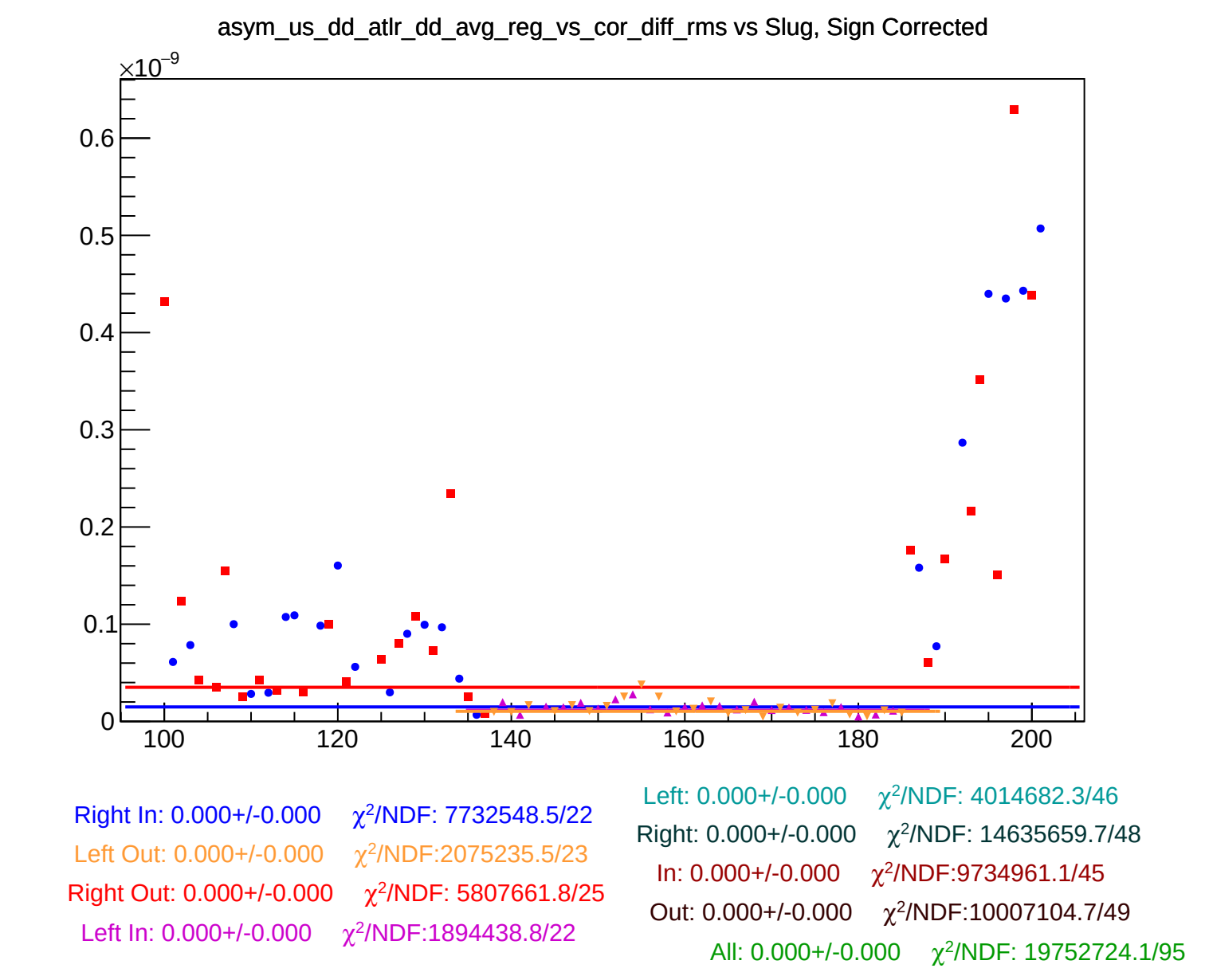
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

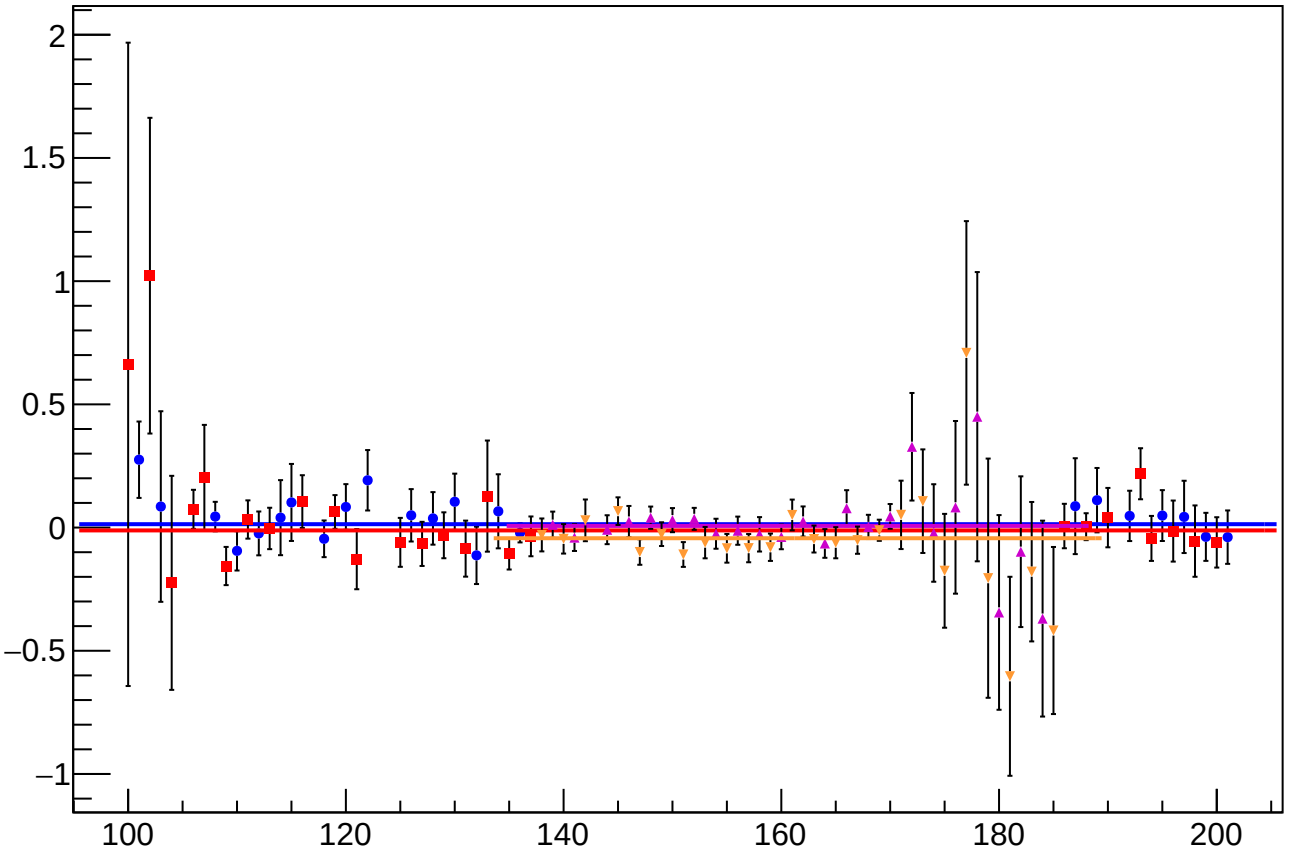
Right: 0.000+/-0.000 χ^2/NDF: 56.0/48

In: 0.000+/-0.000 χ^2/NDF:48.6/45

Out: 0.000+/-0.000 χ^2/NDF:65.6/49

All: 0.000+/-0.000 χ^2/NDF: 115.5/95


asym_us_dd_atlr_dd_avg_reg_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: 7732548.5/22
Left Out: 0.000+/-0.000 χ²/NDF:2075235.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 5807661.8/25
Left In: 0.000+/-0.000 χ²/NDF:1894438.8/22
Left: 0.000+/-0.000 χ²/NDF: 4014682.3/46
Right: 0.000+/-0.000 χ²/NDF: 14635659.7/48
In: 0.000+/-0.000 χ²/NDF:9734961.1/45
Out: 0.000+/-0.000 χ²/NDF:10007104.7/49
All: 0.000+/-0.000 χ²/NDF: 19752724.1/95



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: -0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

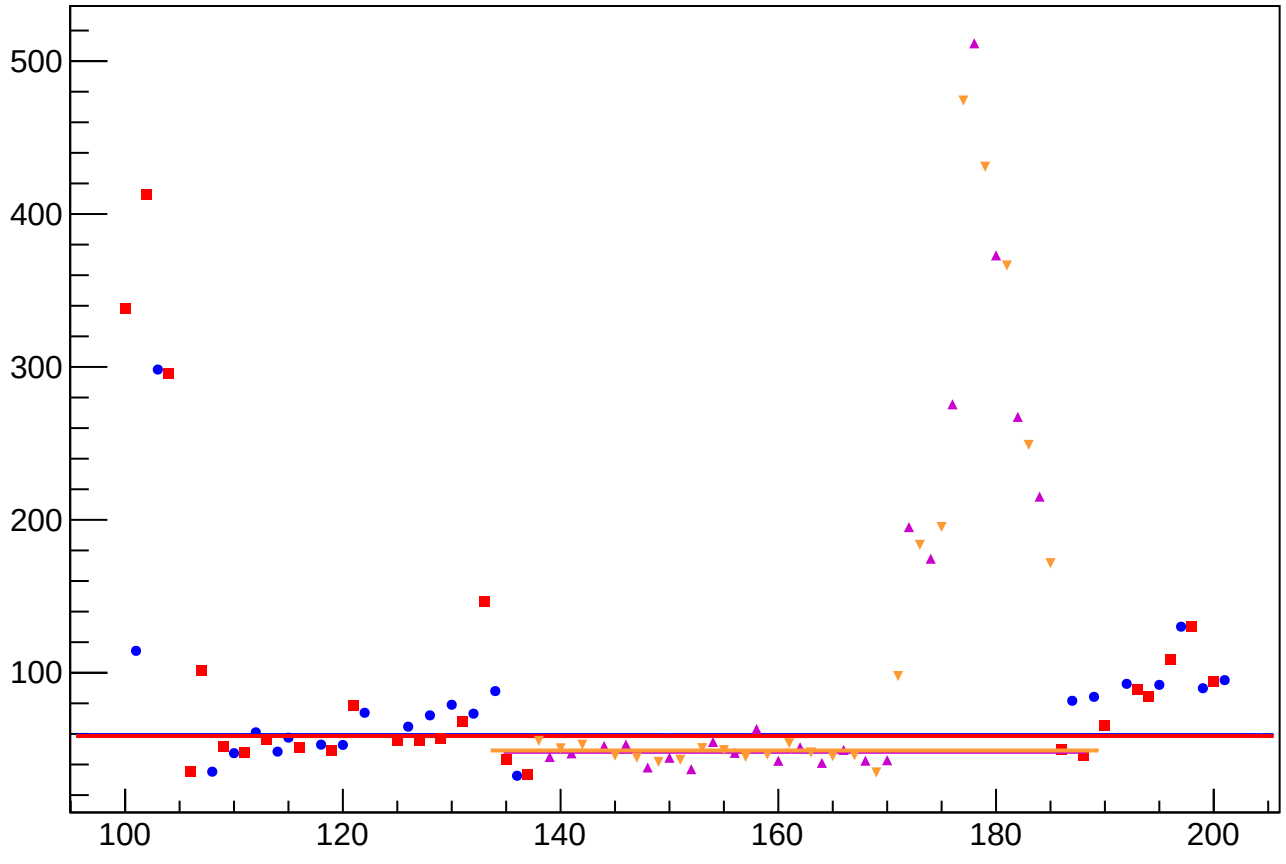
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.001+/-0.014 χ^2/NDF: 36.0/48

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/95



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: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

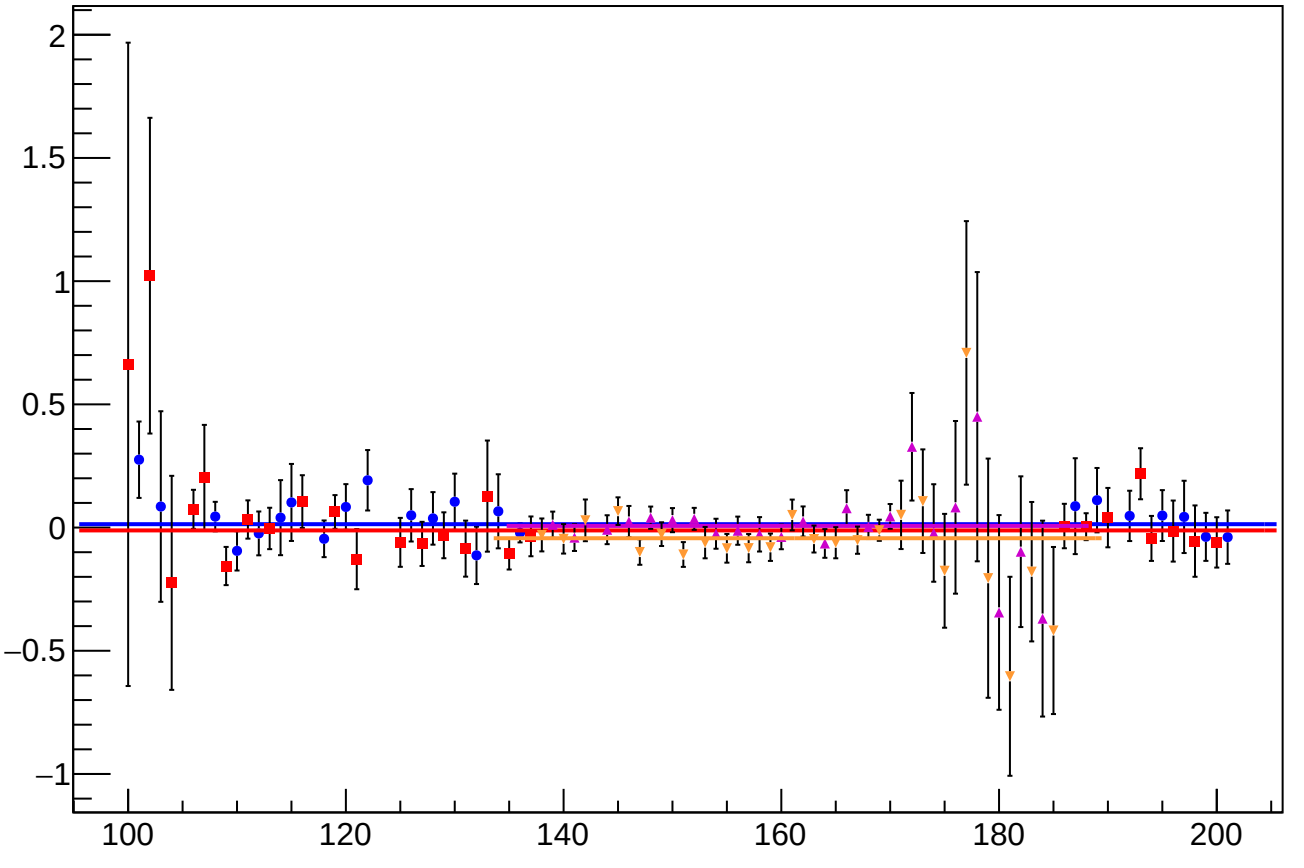
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 58.911+/-0.010 χ^2/NDF: 7848416.6/48

In: 51.828+/-0.008 χ^2/NDF:11439708.6/45

Out: 52.511+/-0.008 χ^2/NDF:11444280.9/49

All: 52.168+/-0.006 χ^2/NDF: 22887732.0/95



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: -0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

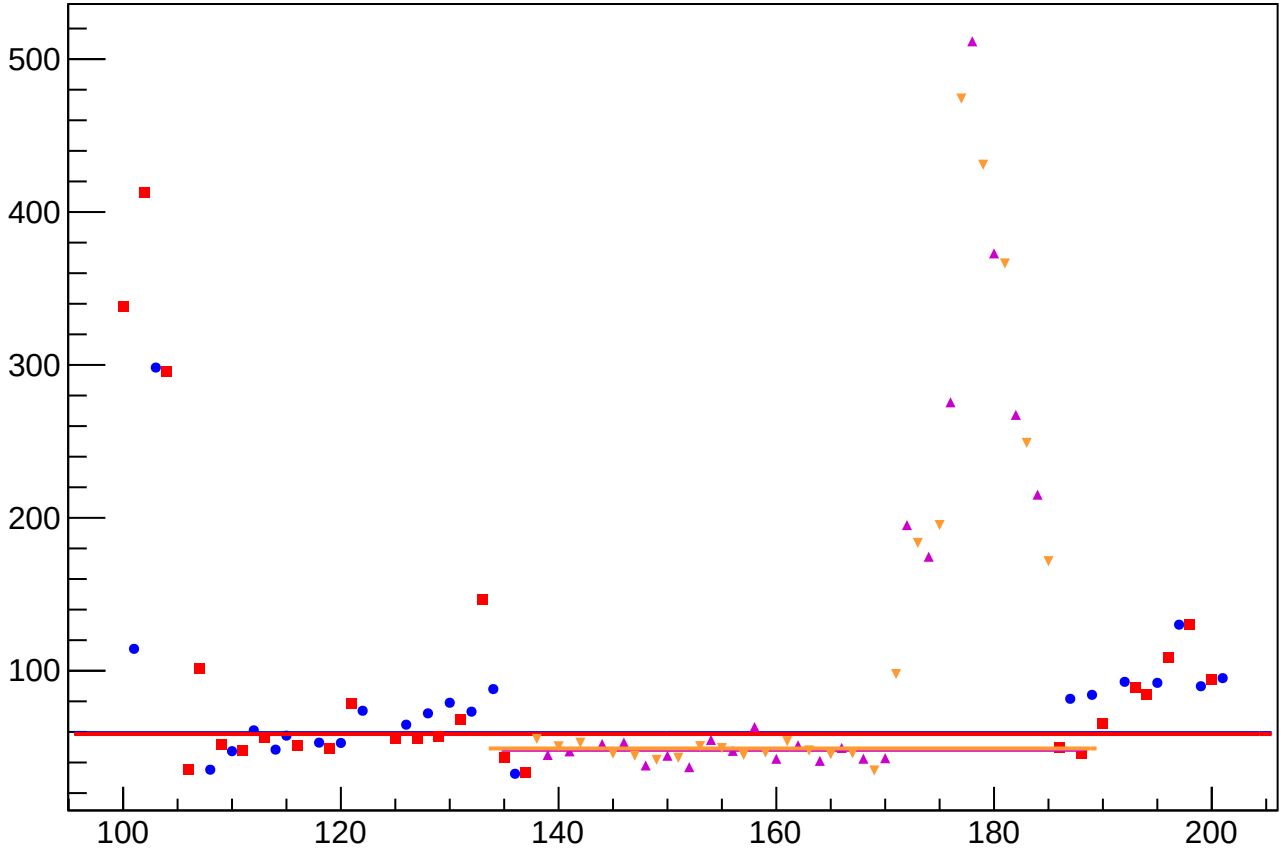
Right: 0.001+/-0.014 χ^2/NDF: 36.0/48

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/95

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: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

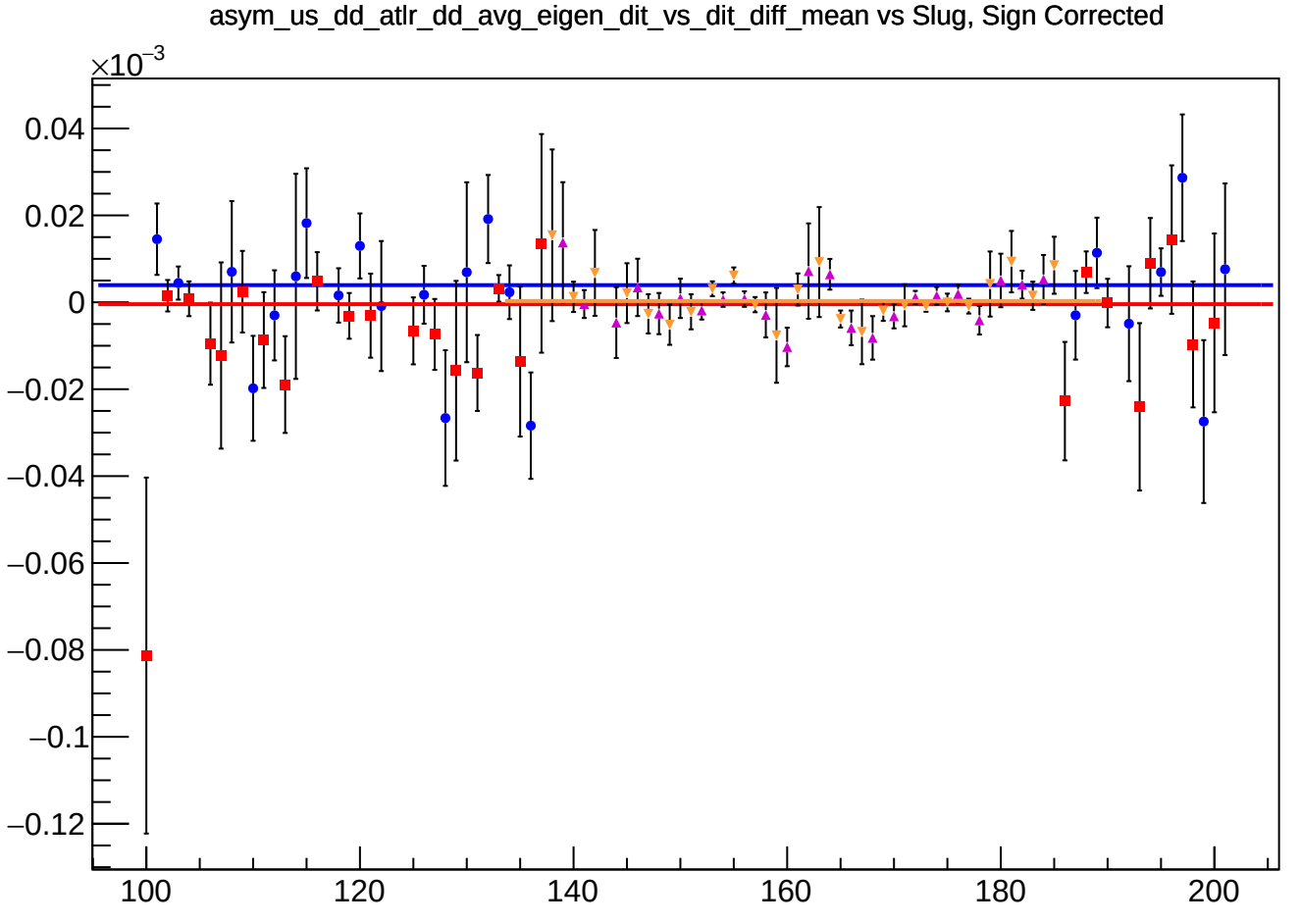
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 58.911+/-0.010 χ^2/NDF: 7848416.6/48

In: 51.828+/-0.008 χ^2/NDF:11439708.6/45

Out: 52.511+/-0.008 χ^2/NDF:11444280.9/49

All: 52.168+/-0.006 χ^2/NDF: 22887732.0/95



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: 26.0/25

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

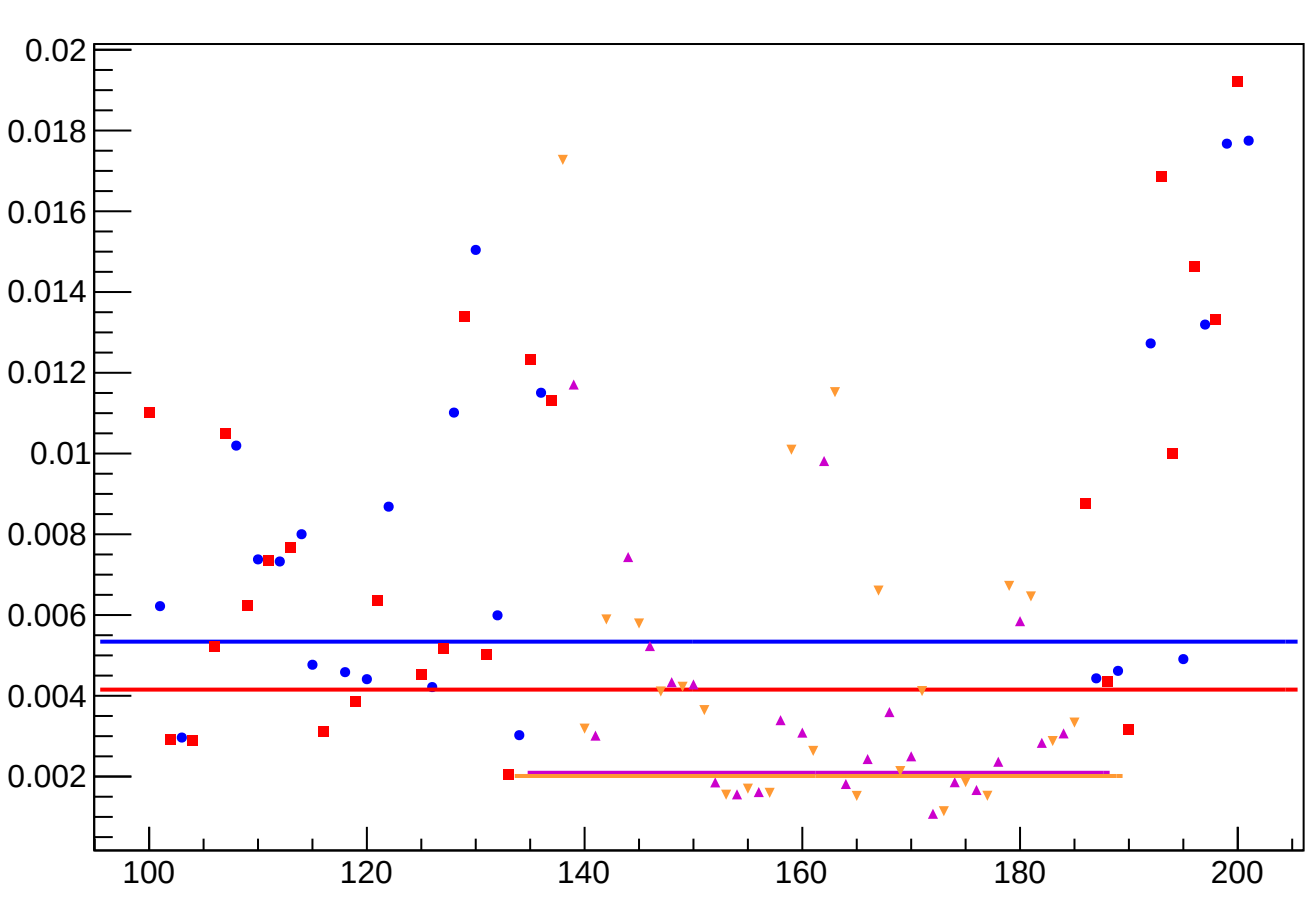
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 59.7/48

In: 0.000+/-0.000 χ^2/NDF:59.3/45

Out: 0.000+/-0.000 χ^2/NDF:55.0/49

All: 0.000+/-0.000 χ^2/NDF: 114.5/95



Right In: 0.005+/-0.000 χ^2/NDF: 5758525.9/22

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7733385.4/25

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

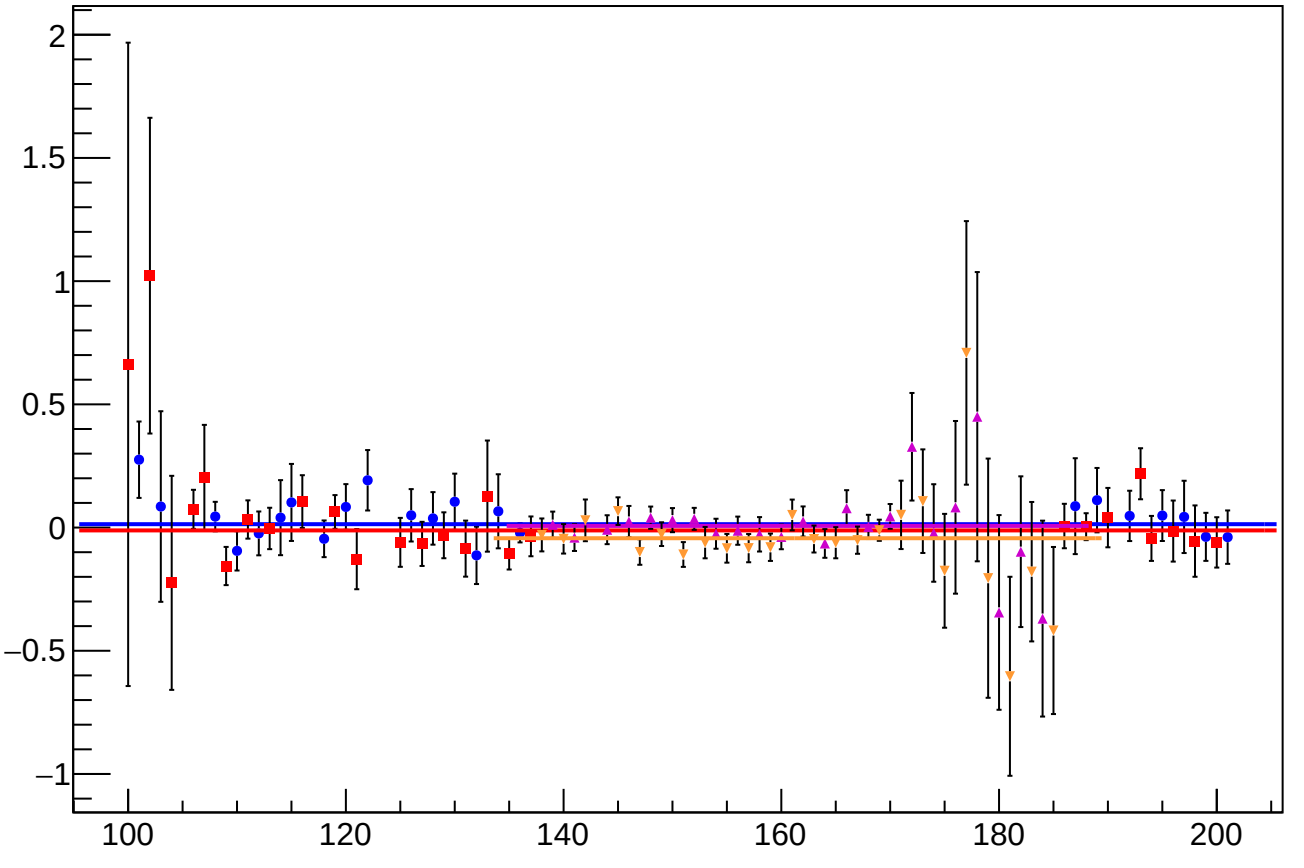
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.005+/-0.000 χ^2/NDF: 14031277.4/48

In: 0.002+/-0.000 χ^2/NDF:18688847.6/45

Out: 0.002+/-0.000 χ^2/NDF:22015560.7/49

All: 0.002+/-0.000 χ^2/NDF: 40742418.5/95



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: -0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

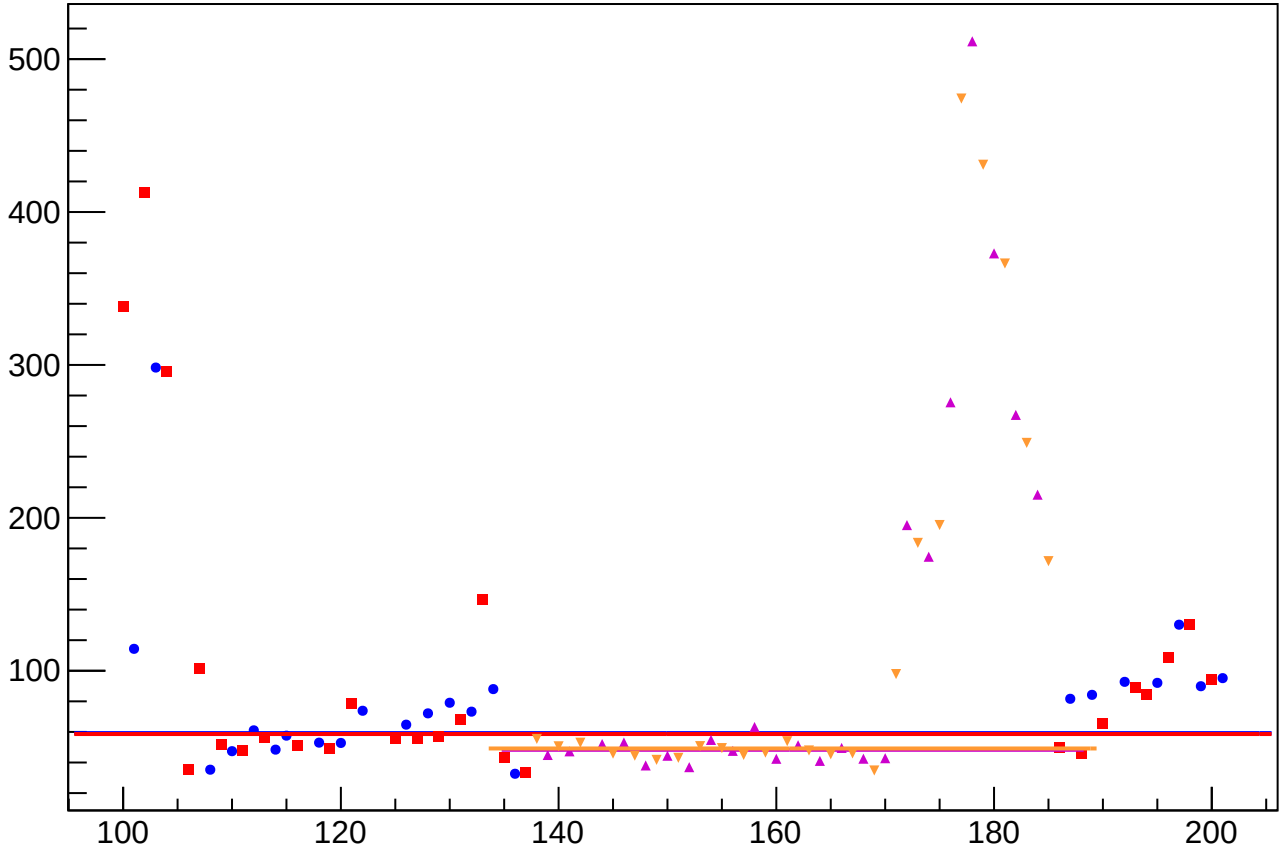
Right: 0.001+/-0.014 χ^2/NDF: 36.0/48

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/95

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: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

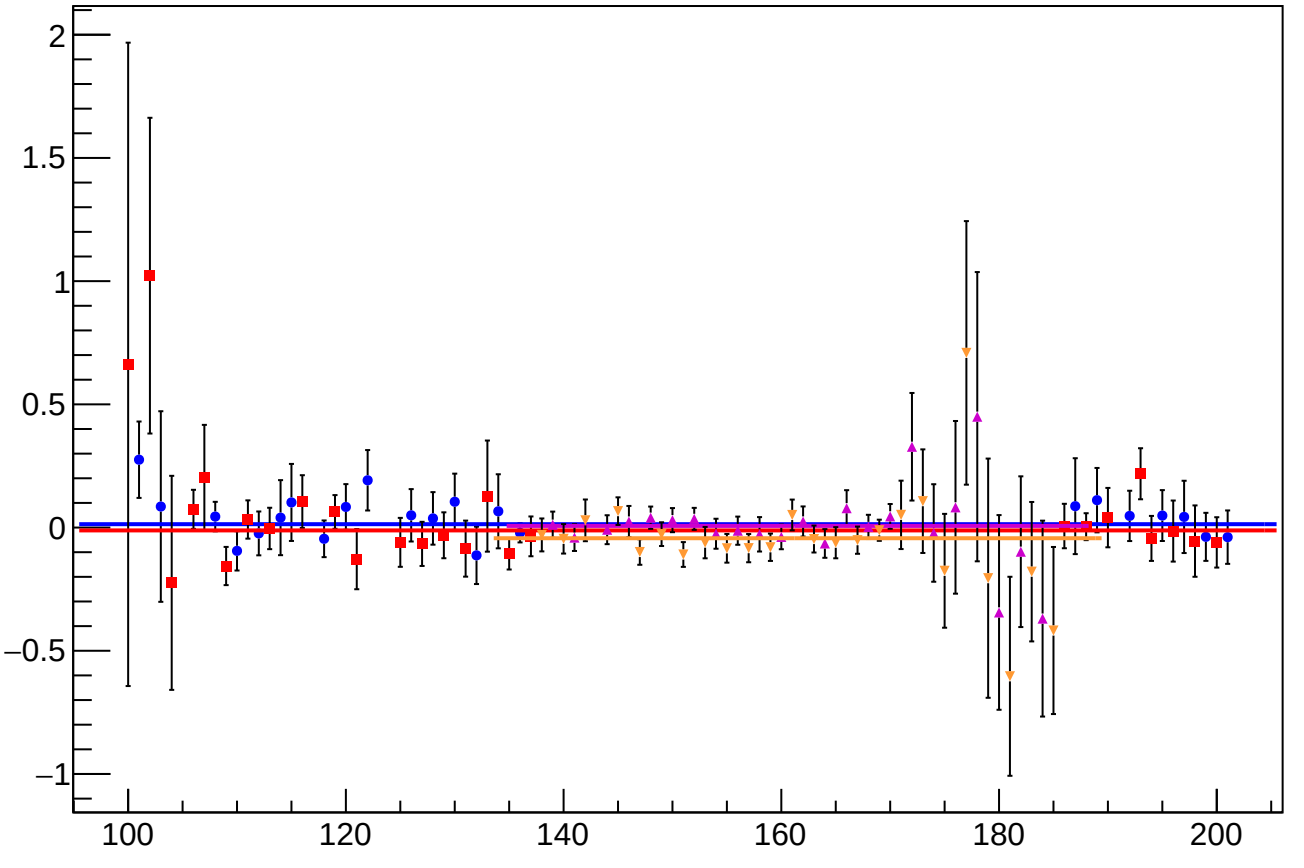
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 58.912+/-0.010 χ^2/NDF: 7848136.3/48

In: 51.829+/-0.008 χ^2/NDF:11439494.1/45

Out: 52.511+/-0.008 χ^2/NDF:11444229.2/49

All: 52.168+/-0.006 χ^2/NDF: 22887462.0/95



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: -0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

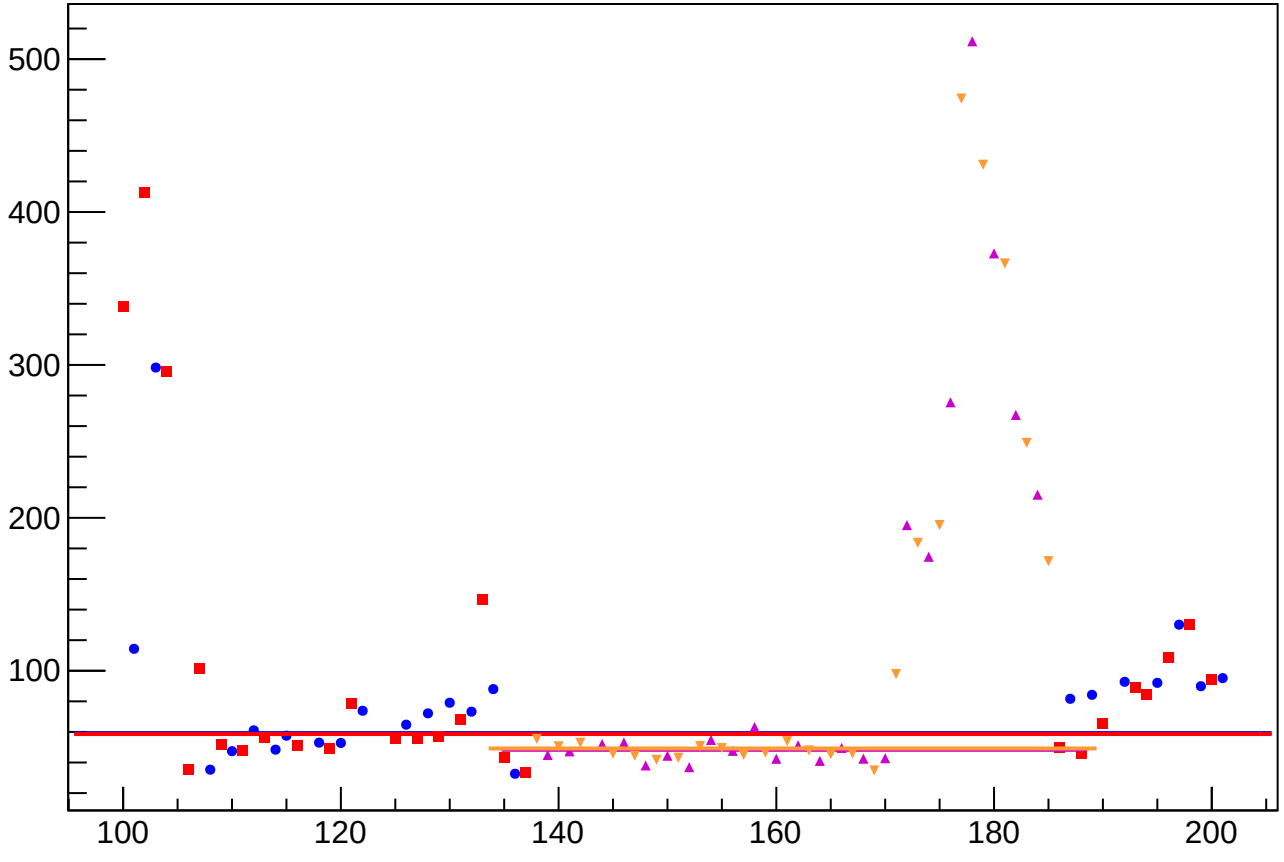
Right: 0.001+/-0.014 χ^2/NDF: 36.0/48

In: 0.009+/-0.011 χ^2/NDF:24.6/45

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/95

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_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: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

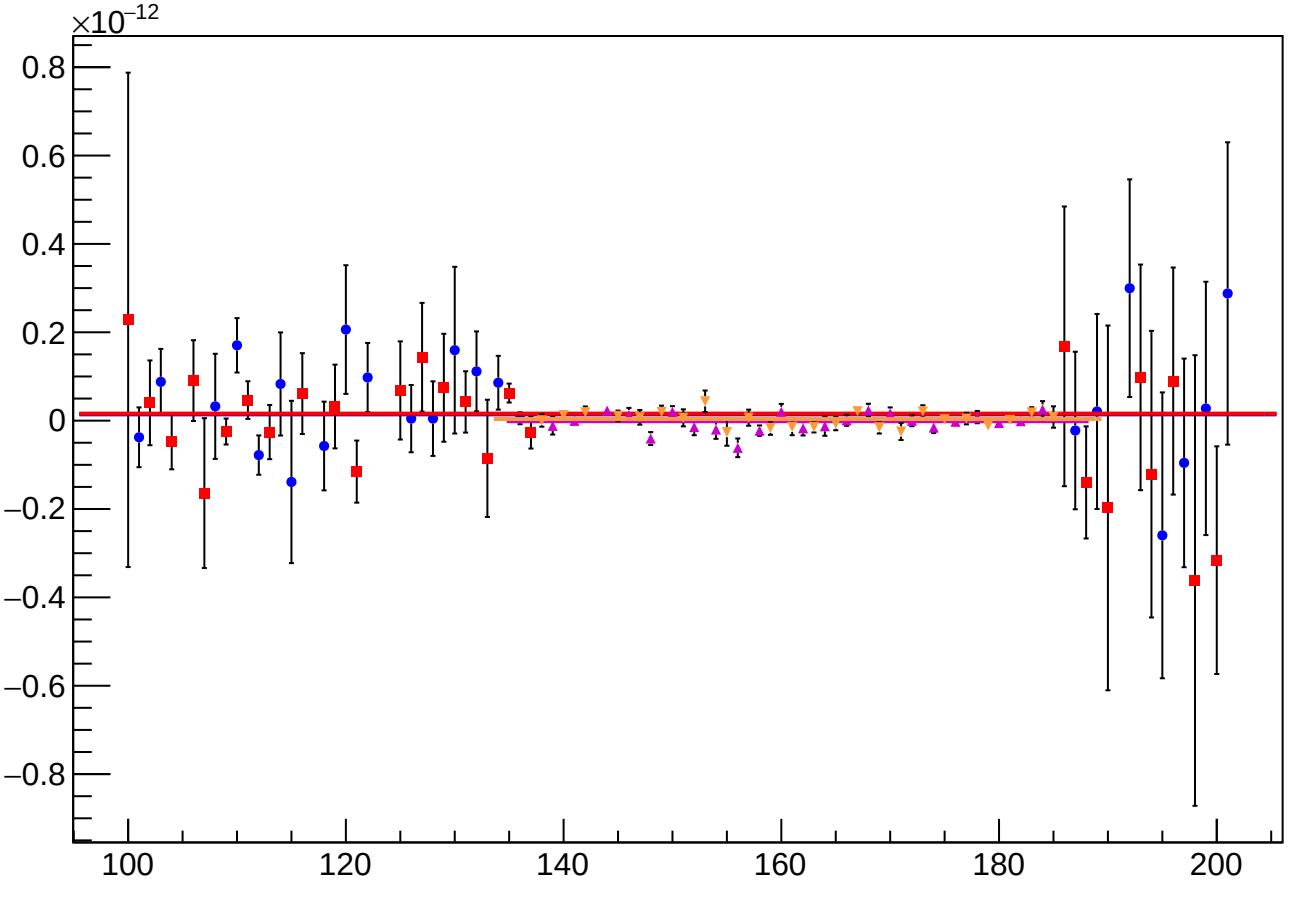
Right: 58.912+/-0.010 χ^2/NDF: 7848136.3/48

In: 51.829+/-0.008 χ^2/NDF:11439494.1/45

Out: 52.511+/-0.008 χ^2/NDF:11444229.2/49

All: 52.168+/-0.006 χ^2/NDF: 22887462.0/95

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_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:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

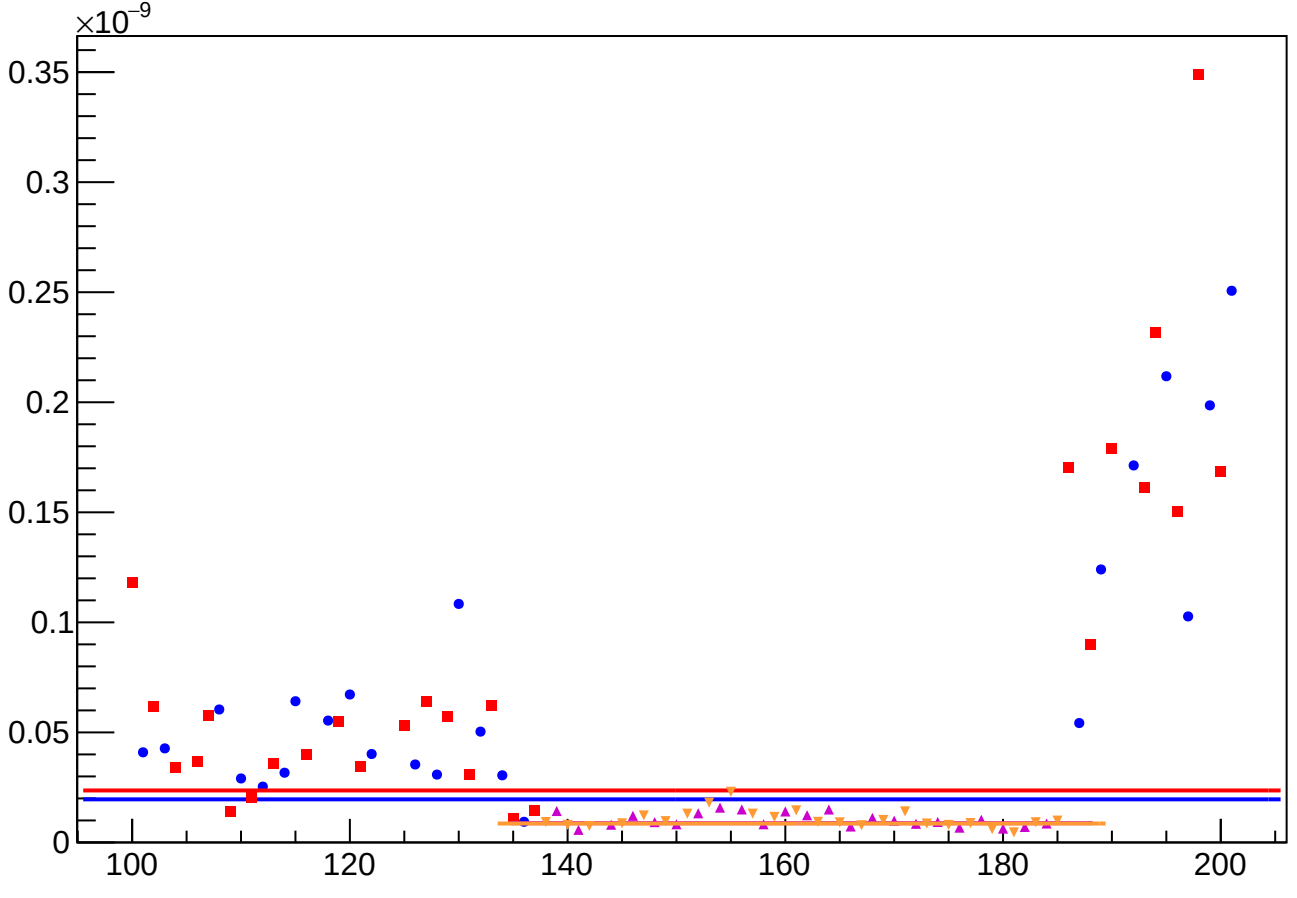
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 45.9/48

In: -0.000+/-0.000 χ^2/NDF:65.1/45

Out: 0.000+/-0.000 χ^2/NDF:48.1/49

All: 0.000+/-0.000 χ^2/NDF: 114.8/95



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: 7300587.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

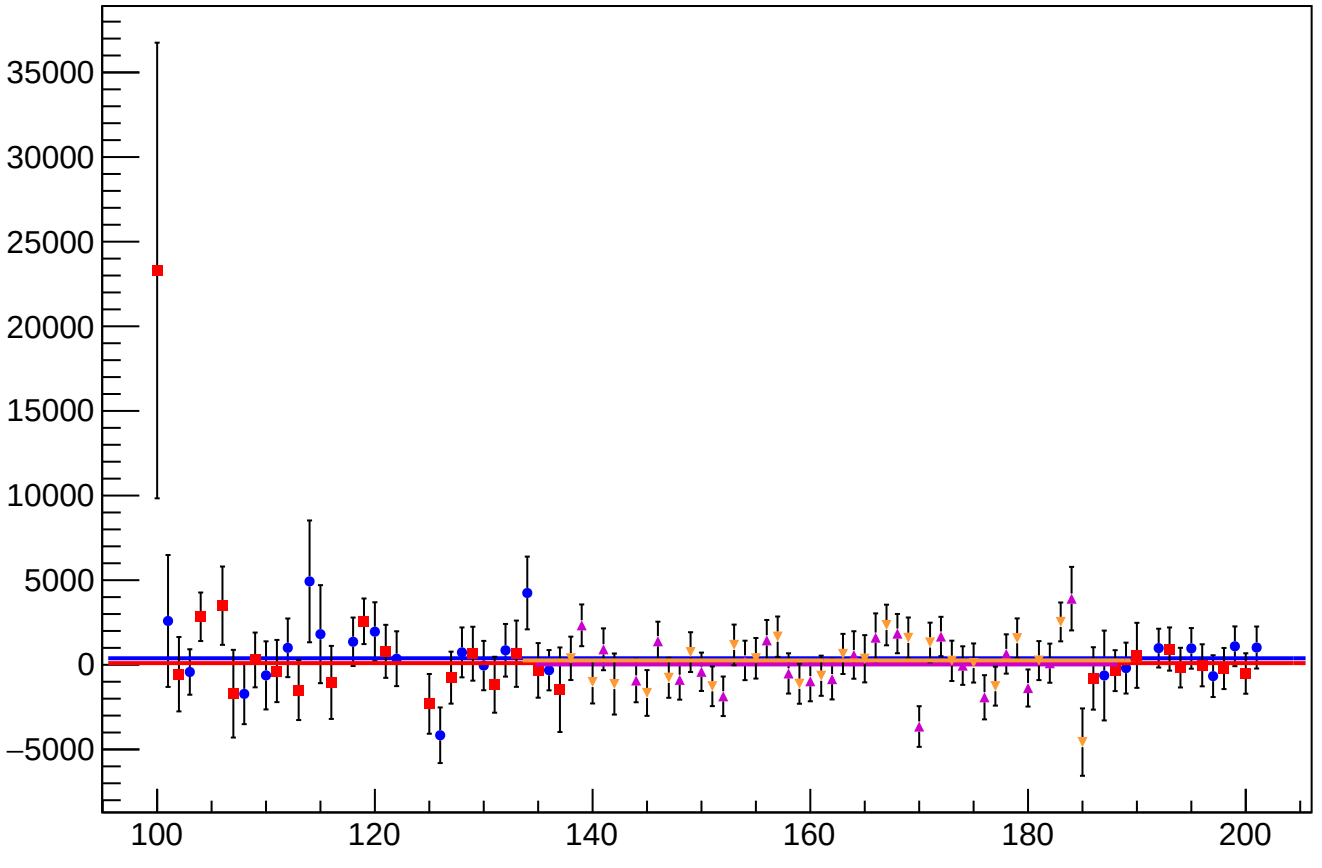
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14788367.6/48

In: 0.000+/-0.000 χ^2/NDF:11079529.4/45

Out: 0.000+/-0.000 χ^2/NDF:12606859.6/49

All: 0.000+/-0.000 χ^2/NDF: 23687530.5/95



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: 100.181+/-314.143 χ^2/NDF: 18.8/25

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

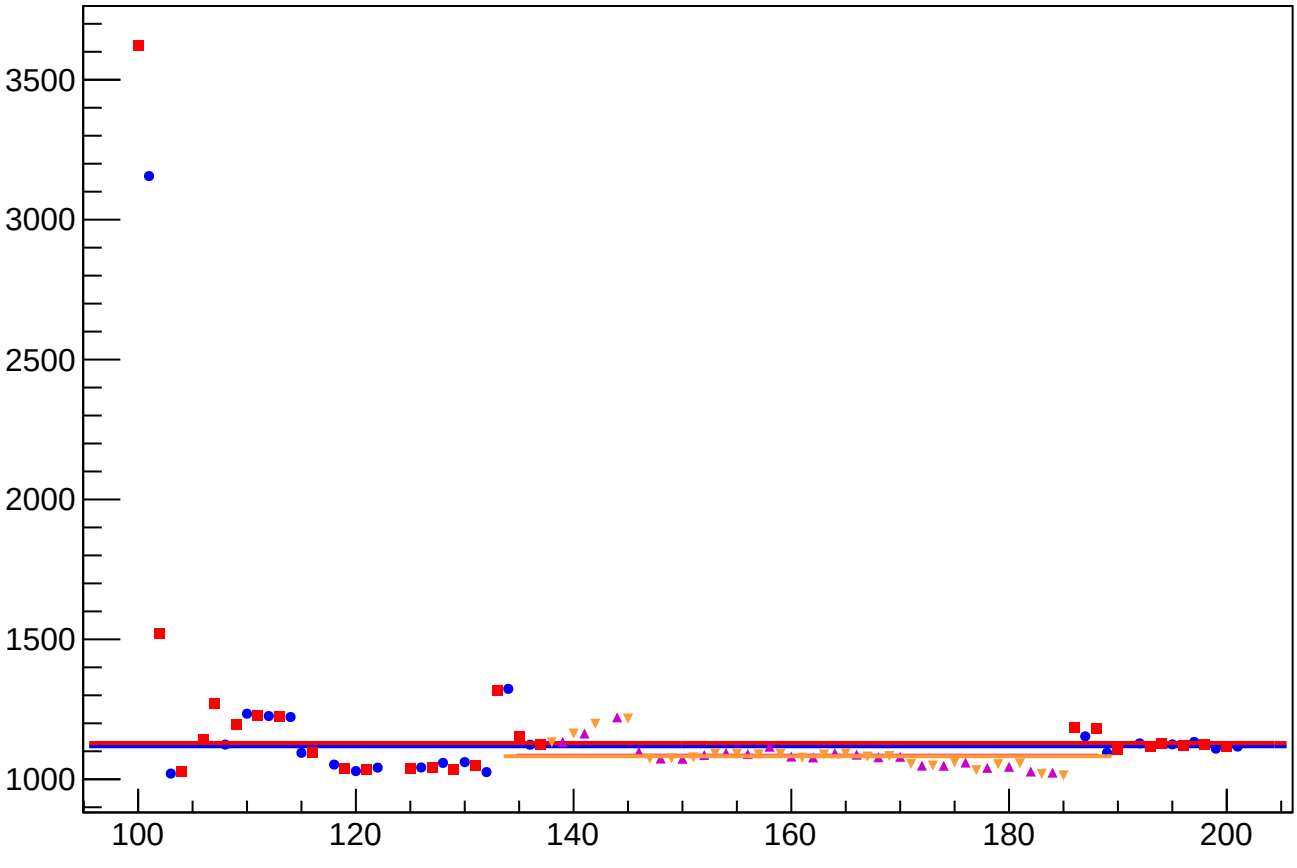
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 239.330+/-225.021 χ^2/NDF: 38.4/48

In: 161.124+/-199.212 χ^2/NDF:55.8/45

Out: 198.002+/-196.285 χ^2/NDF:47.2/49

All: 179.836+/-139.818 χ^2/NDF: 102.9/95



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: 1129.709+/-0.222 χ^2/NDF: 228741.3/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

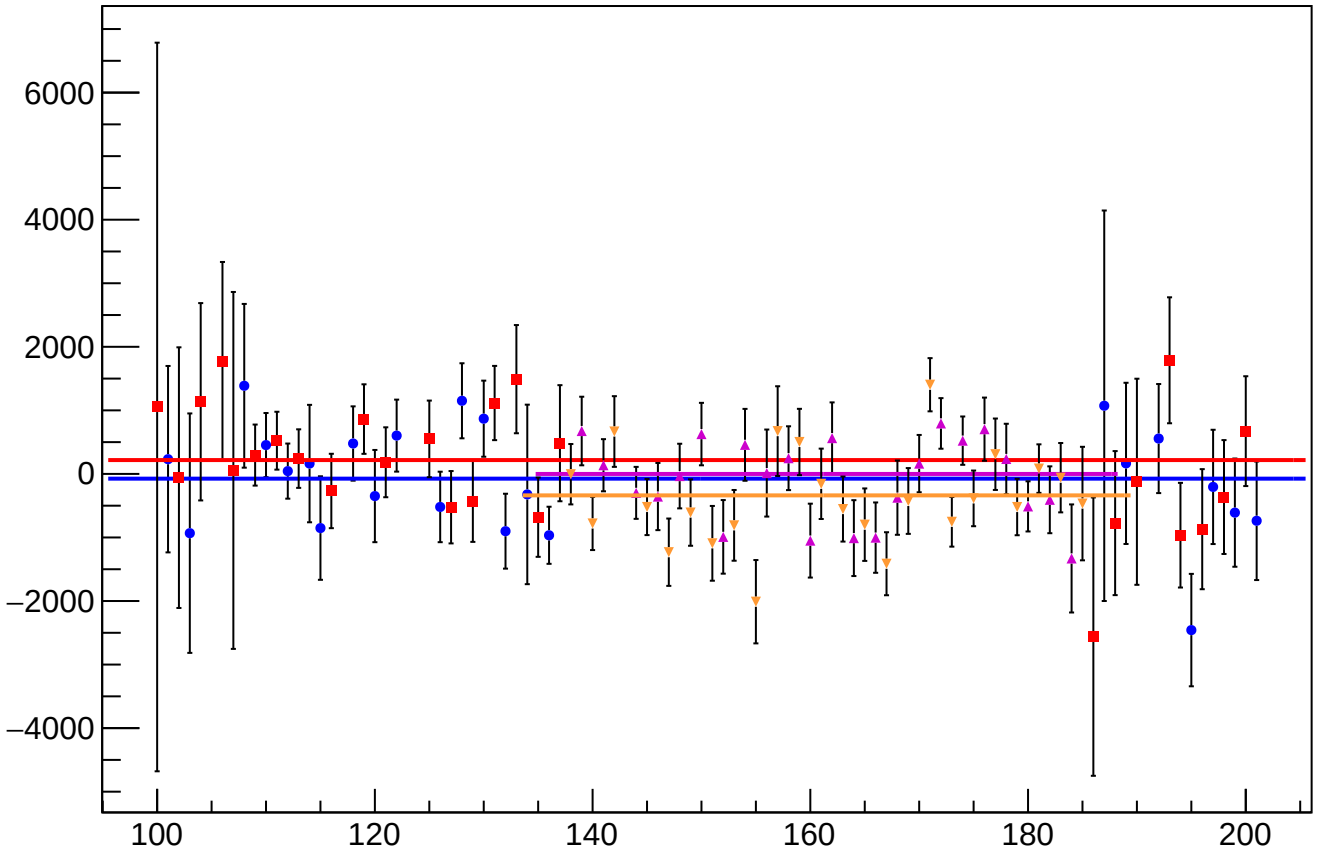
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

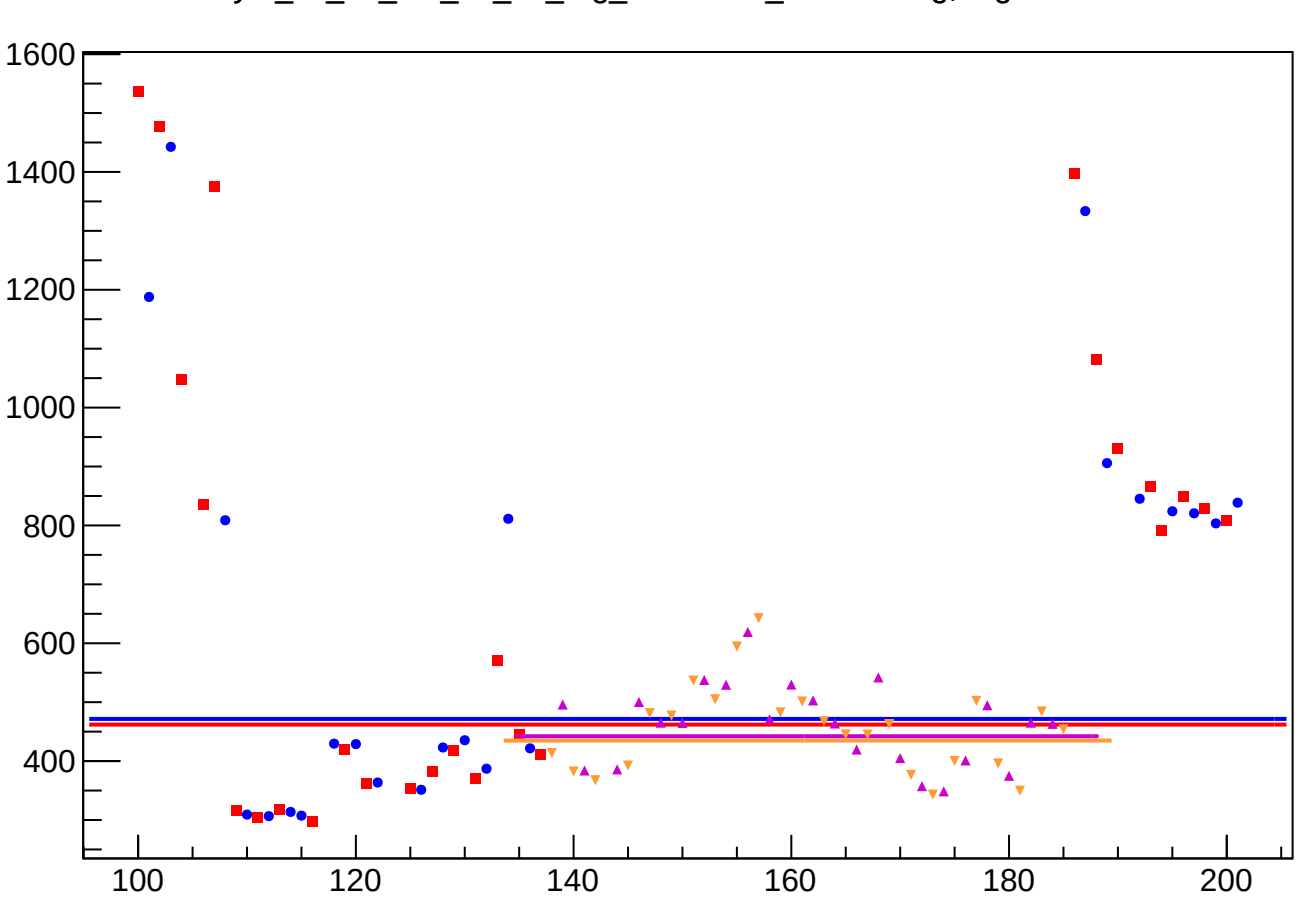
Right: 1123.994+/-0.159 χ^2/NDF: 855016.1/48

In: 1097.068+/-0.141 χ^2/NDF:691946.8/45

Out: 1100.813+/-0.139 χ^2/NDF:314372.9/49

All: 1098.968+/-0.099 χ^2/NDF: 1006678.5/95


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -74.579+/-148.094 χ²/NDF: 28.4/22
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 217.766+/-143.506 χ²/NDF: 22.7/25
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 76.192+/-103.058 χ²/NDF: 53.1/48
In: -25.229+/-85.510 χ²/NDF:60.4/45
Out: -149.825+/-83.463 χ²/NDF:81.4/49
All: -89.036+/-59.728 χ²/NDF: 143.0/95



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: 461.958+/-0.101 χ^2/NDF: 5005506.6/25

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

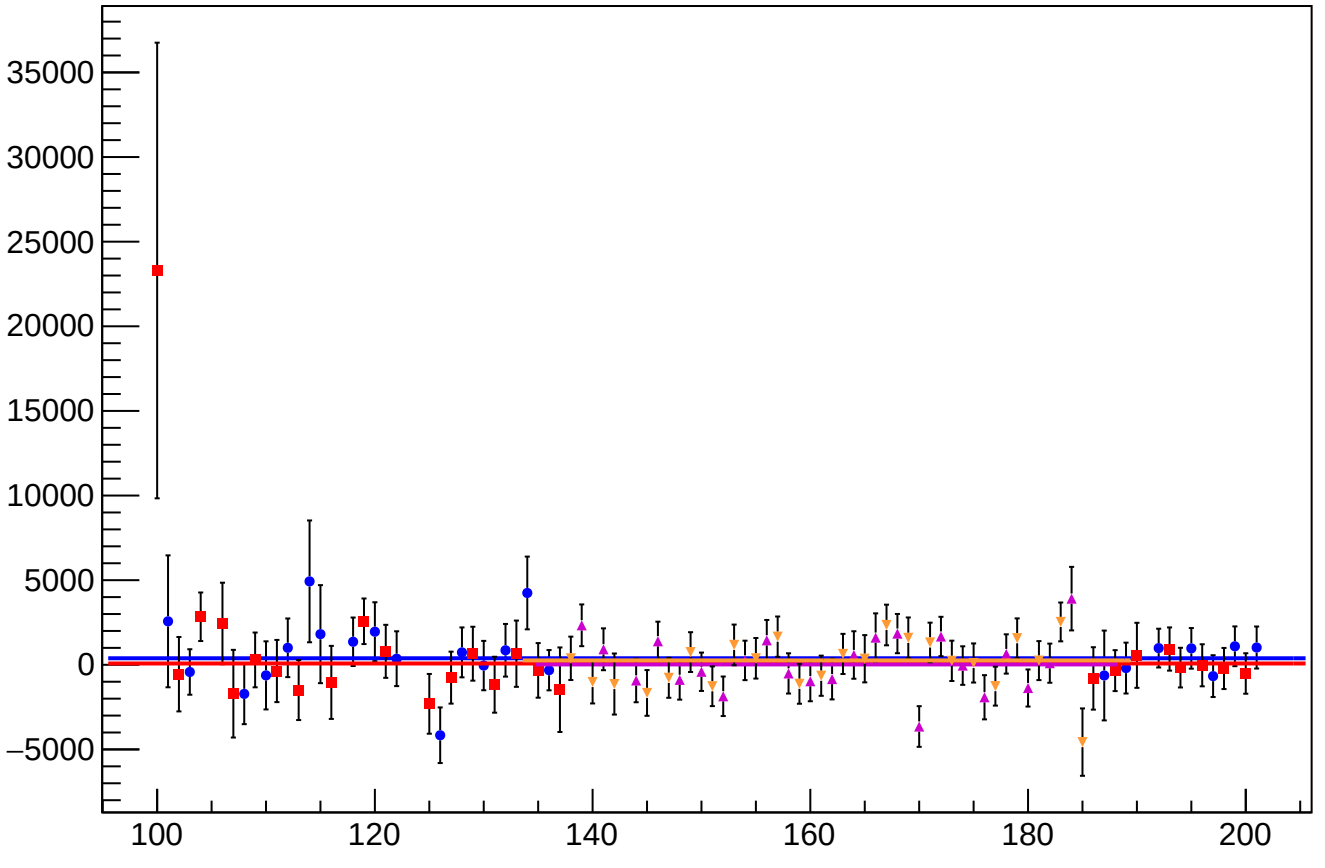
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 466.624+/-0.073 χ^2/NDF: 9181980.1/48

In: 452.005+/-0.060 χ^2/NDF:5050565.0/45

Out: 444.025+/-0.059 χ^2/NDF:5931119.6/49

All: 447.918+/-0.042 χ^2/NDF: 10990603.8/95



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: 77.410+/-314.366 χ^2/NDF: 17.6/25

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

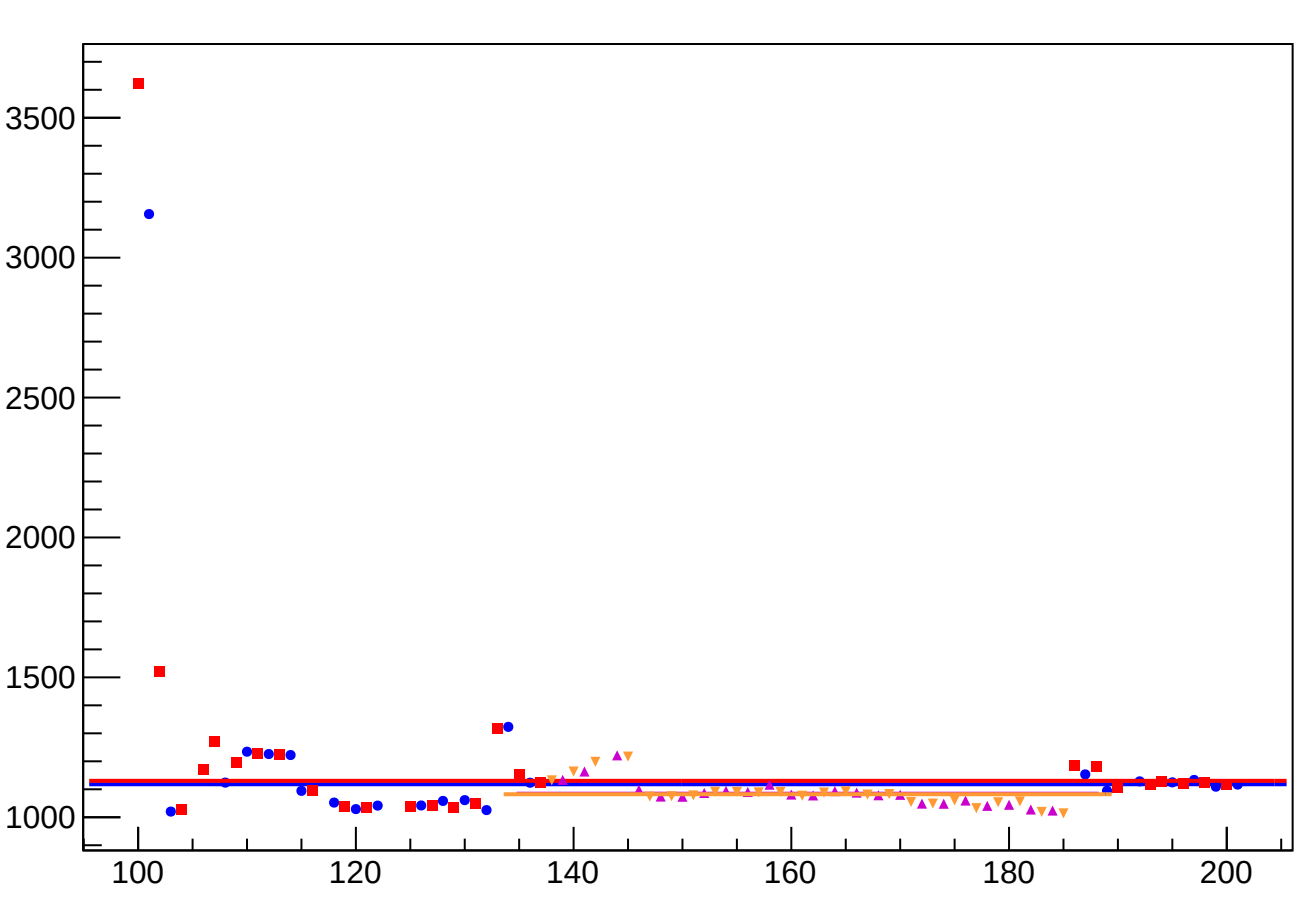
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 227.676+/-225.103 χ^2/NDF: 37.2/48

In: 161.058+/-199.212 χ^2/NDF:55.8/45

Out: 189.167+/-196.339 χ^2/NDF:46.0/49

All: 175.316+/-139.837 χ^2/NDF: 101.8/95



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: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

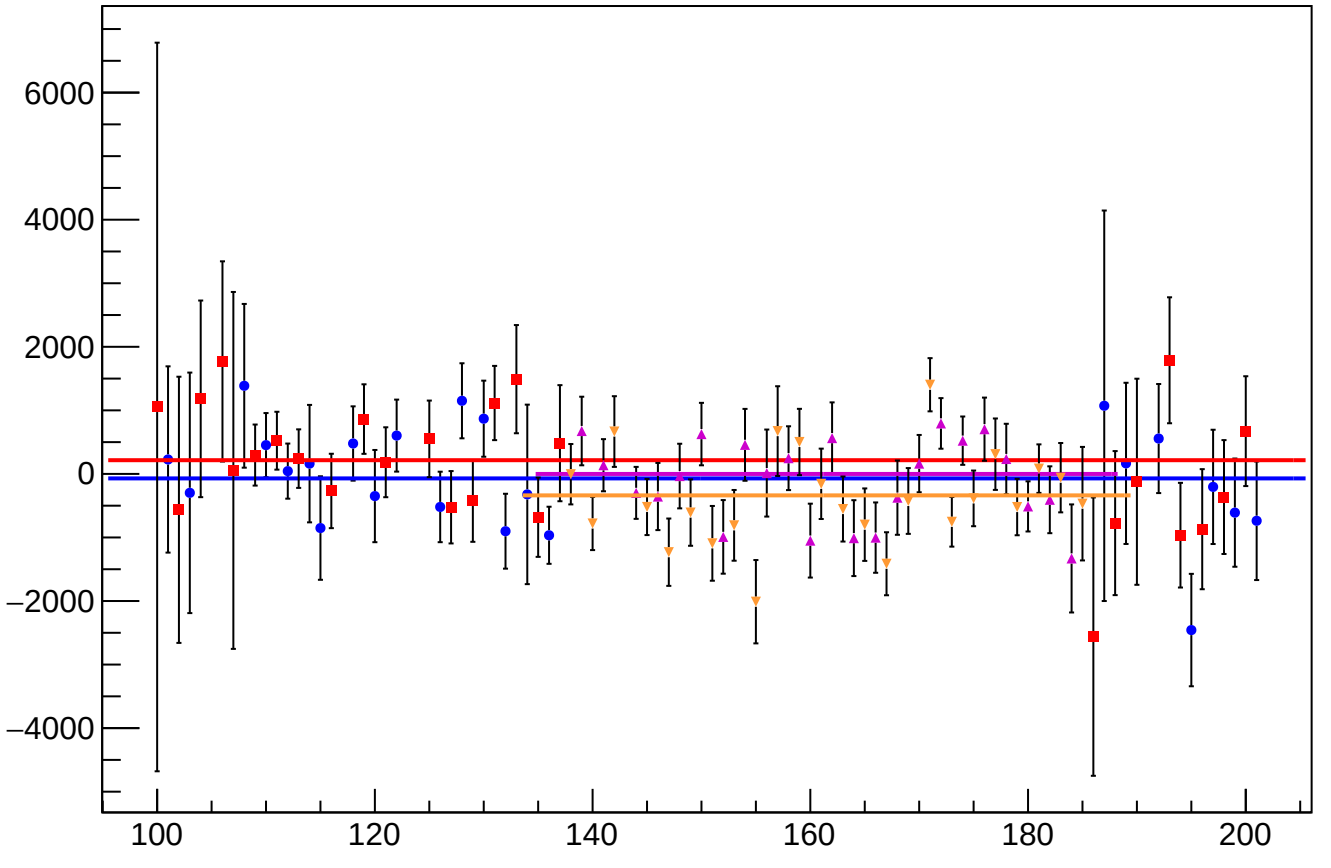
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

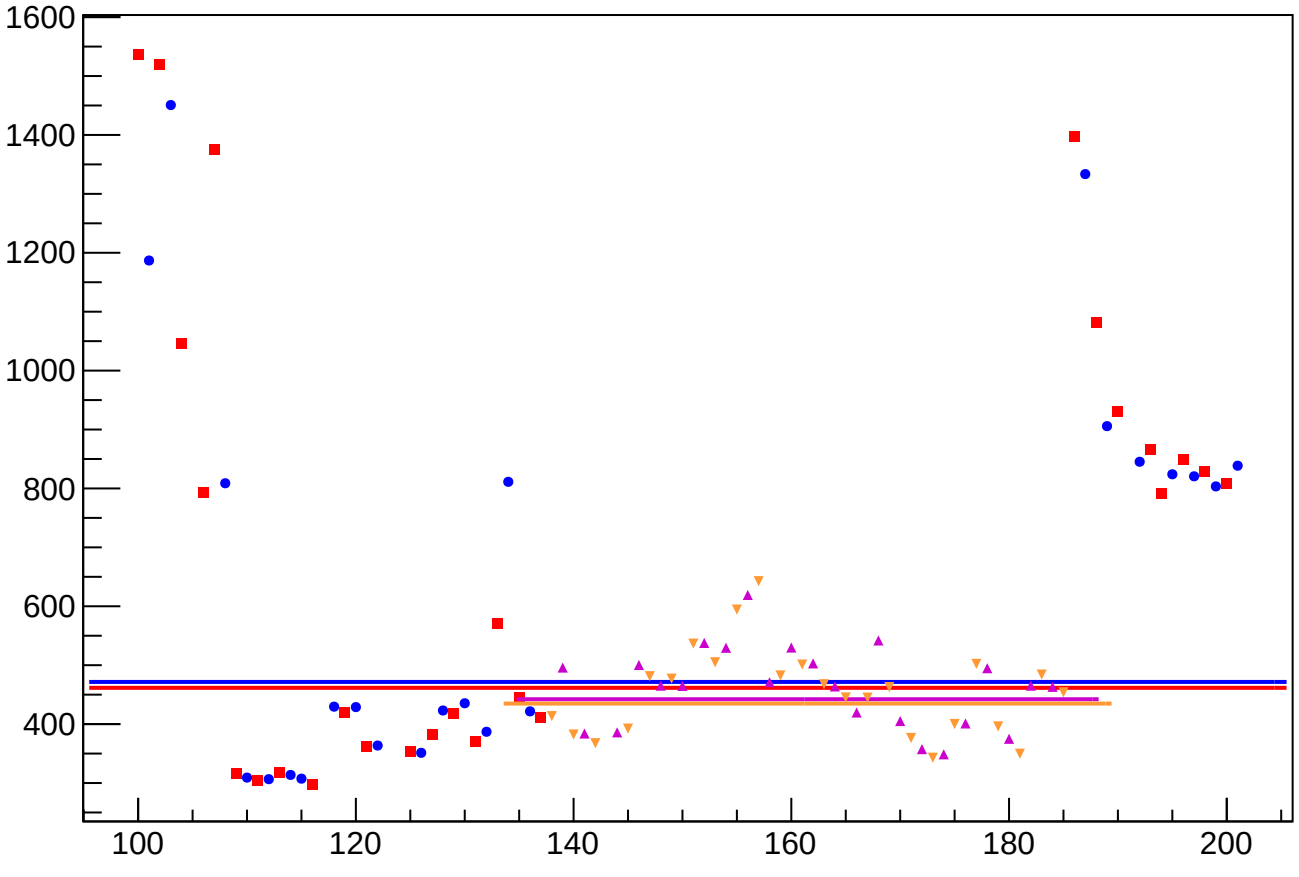
Right: 1124.256+/-0.159 χ^2/NDF: 855700.4/48

In: 1097.068+/-0.141 χ^2/NDF:691947.7/45

Out: 1101.000+/-0.139 χ^2/NDF:315520.7/49

All: 1099.062+/-0.099 χ^2/NDF: 1007863.7/95


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -70.799+/-148.094 χ²/NDF: 28.2/22
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 215.774+/-143.524 χ²/NDF: 22.9/25
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 76.978+/-103.065 χ²/NDF: 53.0/48
In: -23.982+/-85.510 χ²/NDF:60.2/45
Out: -150.590+/-83.467 χ²/NDF:81.5/49
All: -88.817+/-59.729 χ²/NDF: 142.9/95



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: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

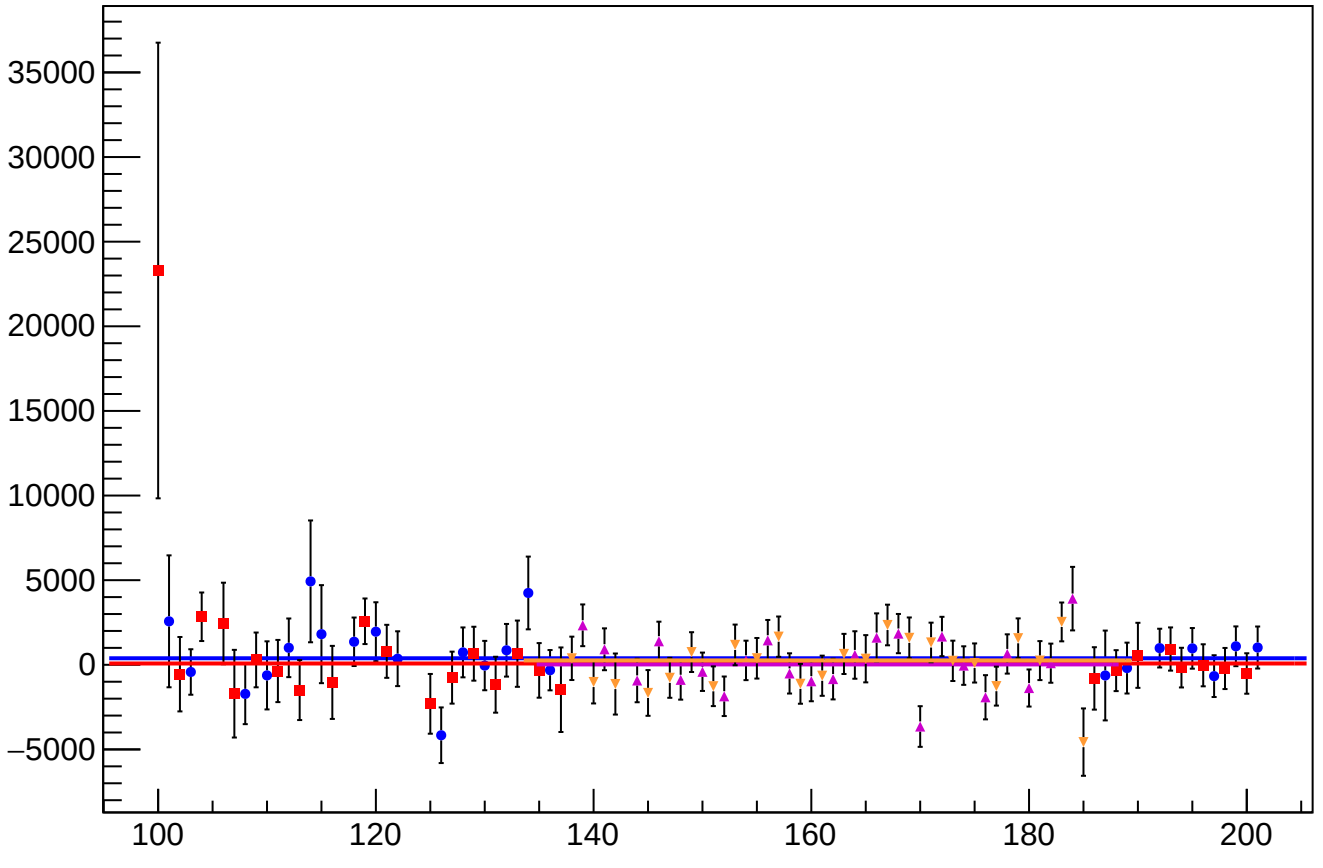
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 466.427+/-0.073 χ^2/NDF: 9179809.4/48

In: 452.002+/-0.060 χ^2/NDF:5054195.2/45

Out: 443.896+/-0.059 χ^2/NDF:5923620.3/49

All: 447.851+/-0.042 χ^2/NDF: 10987020.5/95



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: 77.410+/-314.366 χ^2/NDF: 17.6/25

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

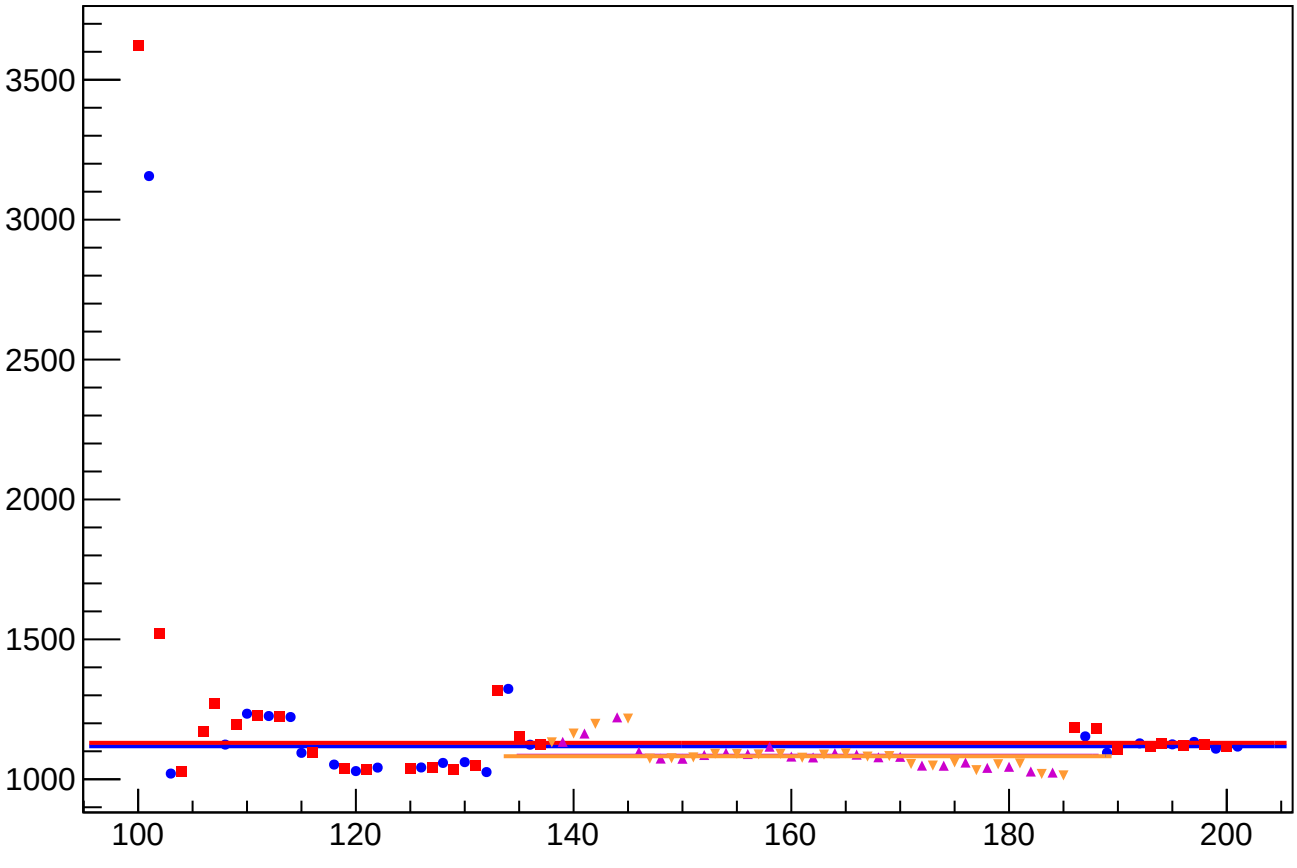
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 227.676+/-225.103 χ^2/NDF: 37.2/48

In: 161.058+/-199.212 χ^2/NDF:55.8/45

Out: 189.167+/-196.339 χ^2/NDF:46.0/49

All: 175.316+/-139.837 χ^2/NDF: 101.8/95



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: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

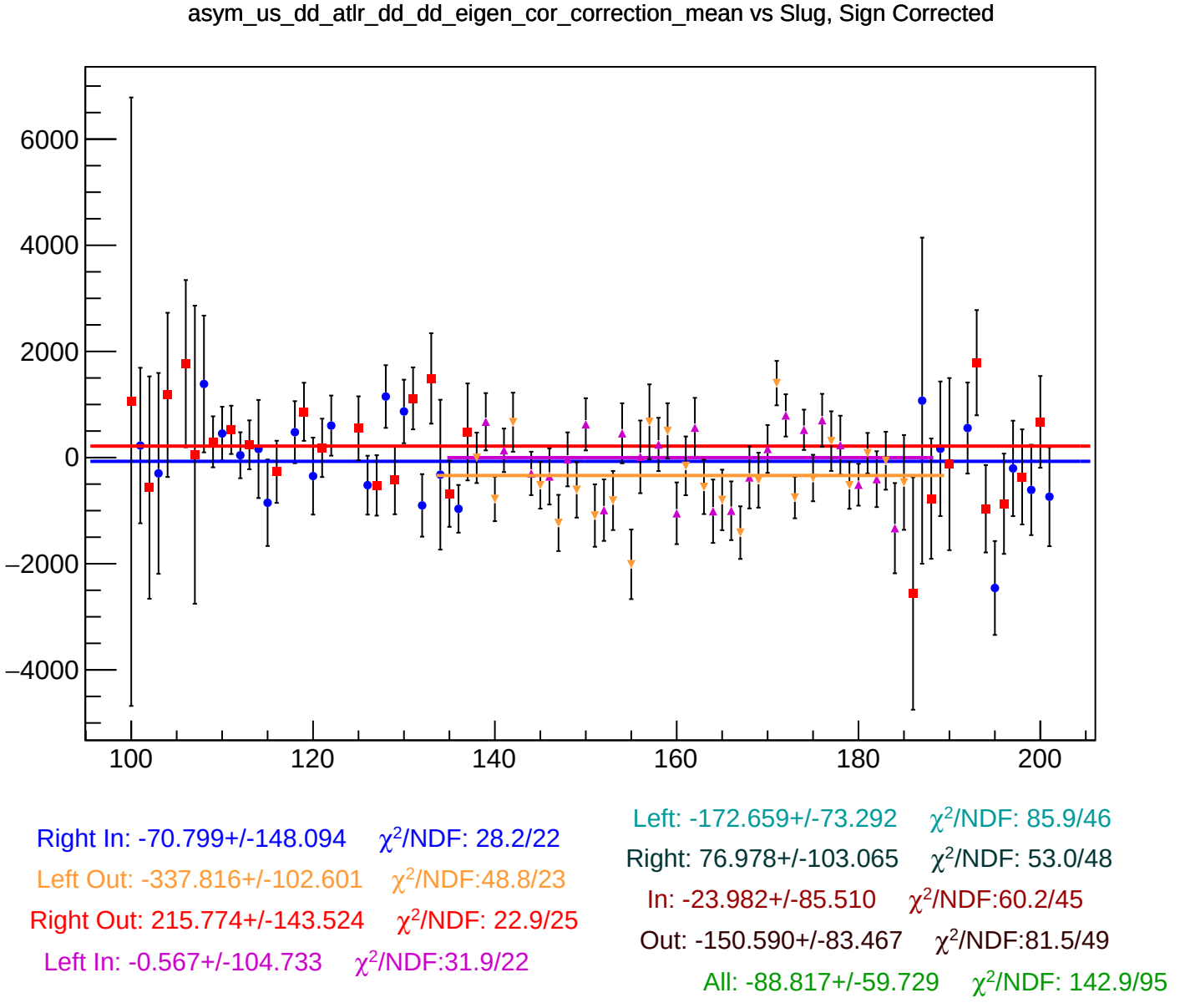
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

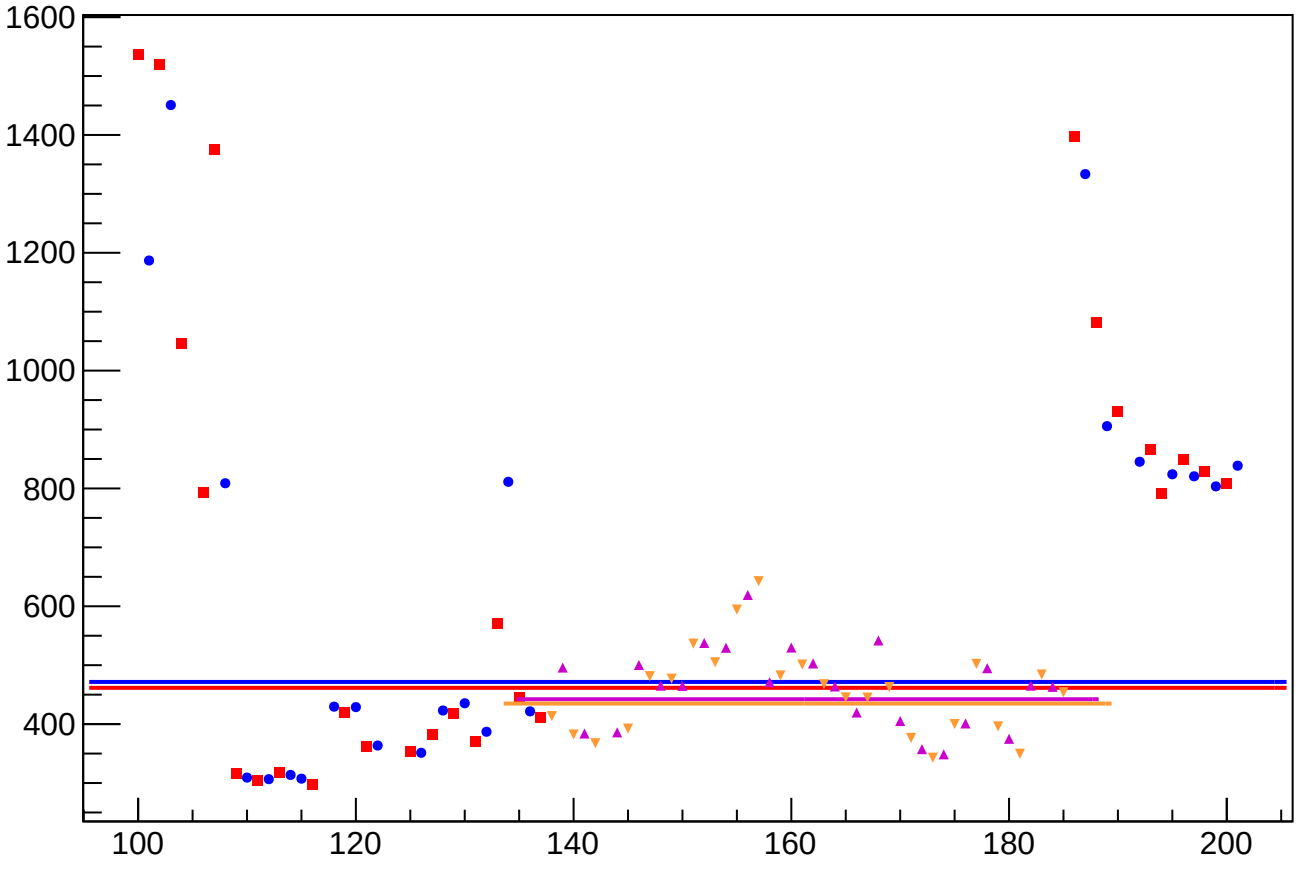
Right: 1124.256+/-0.159 χ^2/NDF: 855700.4/48

In: 1097.068+/-0.141 χ^2/NDF:691947.7/45

Out: 1101.000+/-0.139 χ^2/NDF:315520.7/49

All: 1099.062+/-0.099 χ^2/NDF: 1007863.7/95


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -70.799+/-148.094 χ²/NDF: 28.2/22
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 215.774+/-143.524 χ²/NDF: 22.9/25
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 76.978+/-103.065 χ²/NDF: 53.0/48
In: -23.982+/-85.510 χ²/NDF:60.2/45
Out: -150.590+/-83.467 χ²/NDF:81.5/49
All: -88.817+/-59.729 χ²/NDF: 142.9/95



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: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

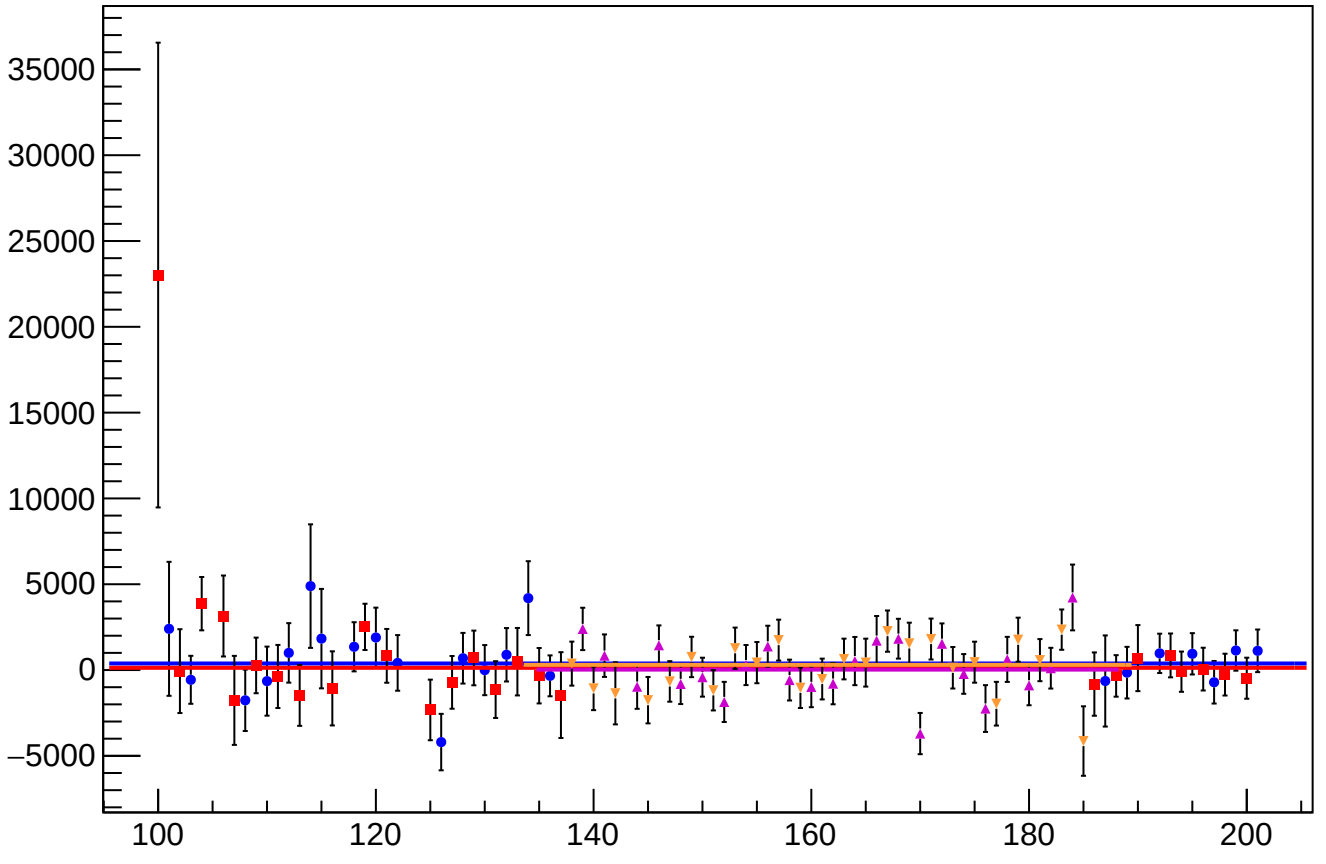
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 466.427+/-0.073 χ^2/NDF: 9179809.4/48

In: 452.002+/-0.060 χ^2/NDF:5054195.2/45

Out: 443.896+/-0.059 χ^2/NDF:5923620.3/49

All: 447.851+/-0.042 χ^2/NDF: 10987020.5/95



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: 129.987+/-316.326 χ^2/NDF: 20.1/25

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

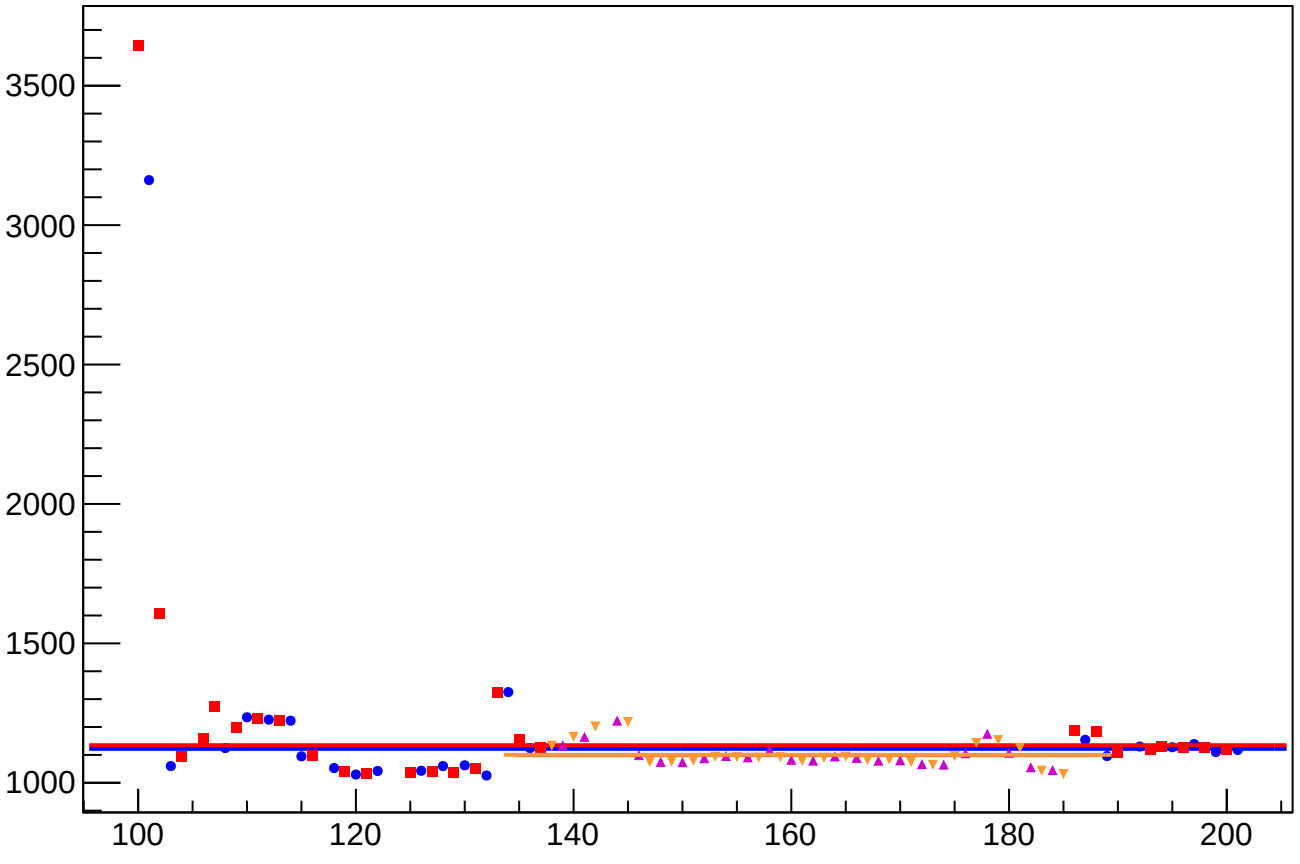
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 252.917+/-226.198 χ^2/NDF: 39.7/48

In: 163.024+/-201.184 χ^2/NDF:56.0/45

Out: 234.917+/-198.789 χ^2/NDF:48.7/49

All: 199.401+/-141.404 χ^2/NDF: 104.8/95



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: 1134.730+/-0.224 χ^2/NDF: 233597.3/25

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

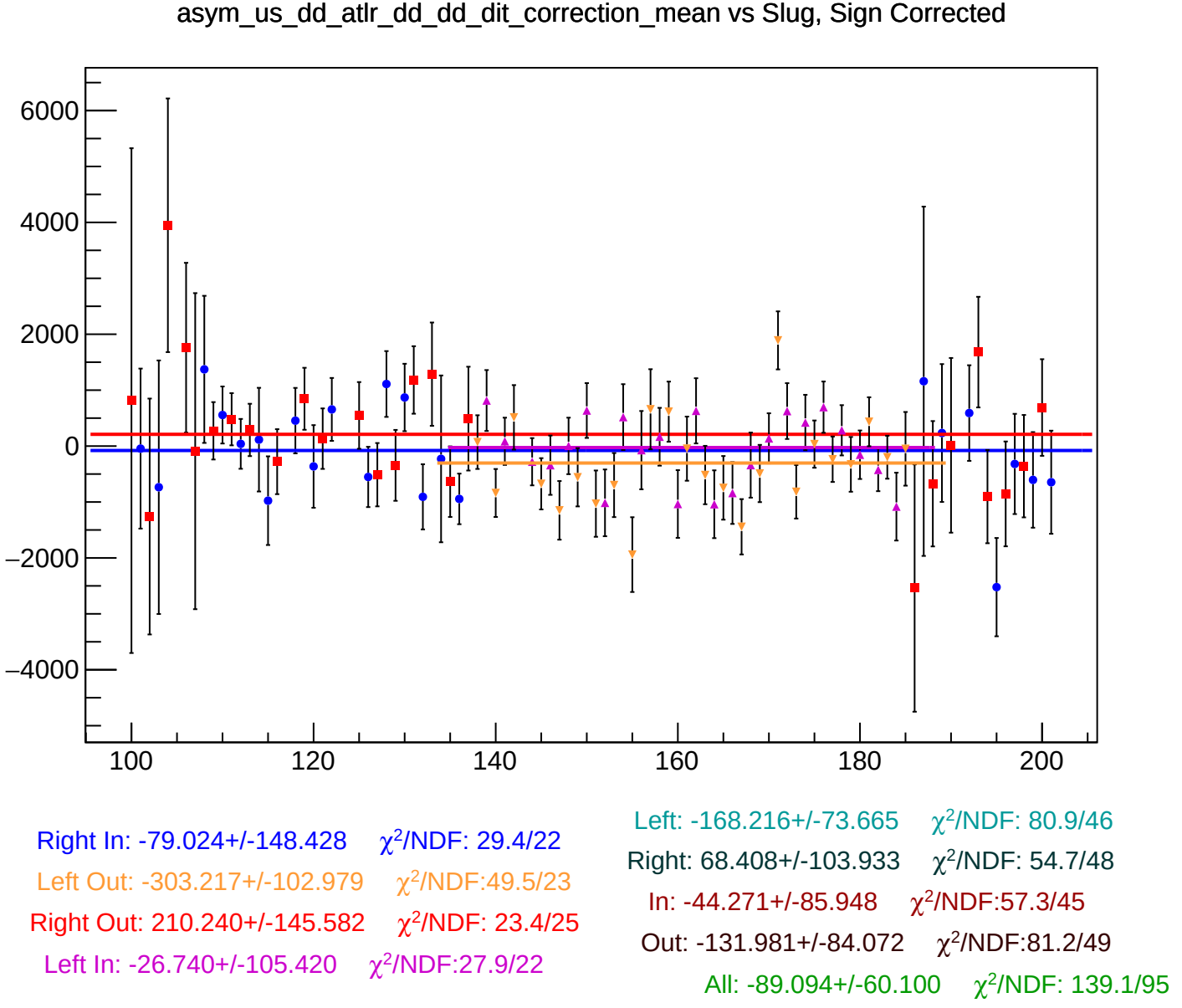
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

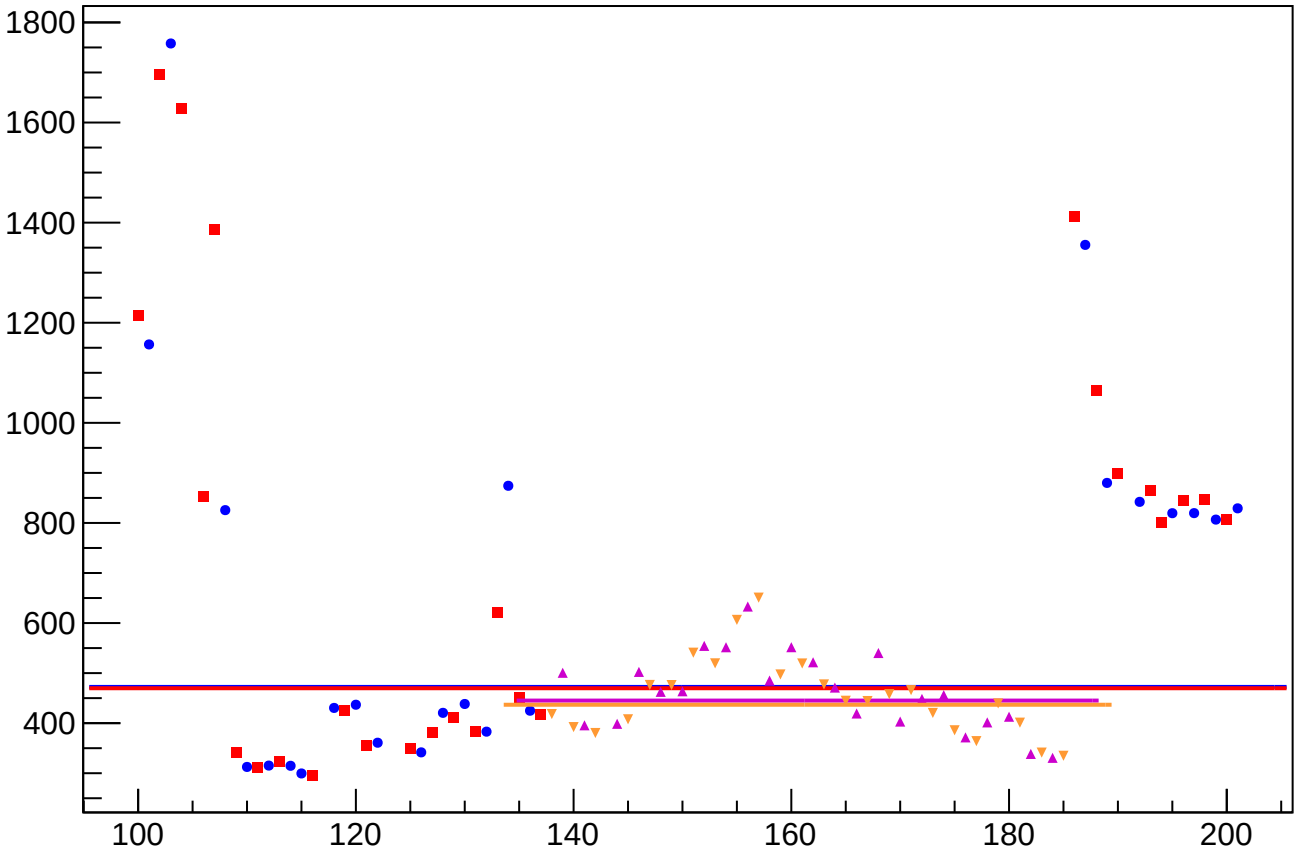
Right: 1128.447+/-0.160 χ^2/NDF: 853858.2/48

In: 1108.051+/-0.142 χ^2/NDF:669379.4/45

Out: 1113.872+/-0.141 χ^2/NDF:296743.0/49

All: 1110.996+/-0.100 χ^2/NDF: 966969.5/95


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -79.024+/-148.428 χ²/NDF: 29.4/22
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 210.240+/-145.582 χ²/NDF: 23.4/25
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 68.408+/-103.933 χ²/NDF: 54.7/48
In: -44.271+/-85.948 χ²/NDF:57.3/45
Out: -131.981+/-84.072 χ²/NDF:81.2/49
All: -89.094+/-60.100 χ²/NDF: 139.1/95



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: 469.772+/-0.103 χ^2/NDF: 5347614.1/25

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

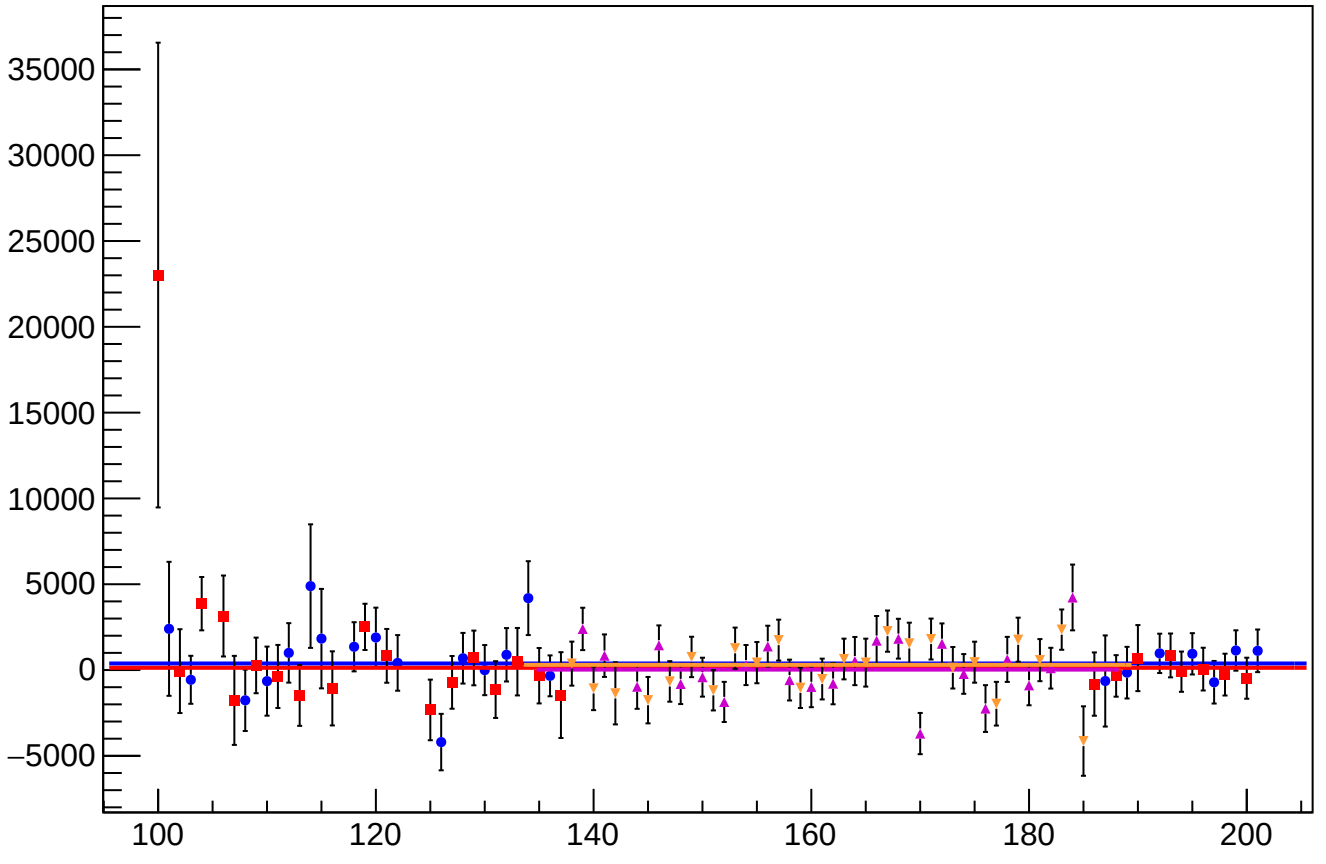
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 471.055+/-0.073 χ^2/NDF: 9608878.4/48

In: 454.256+/-0.061 χ^2/NDF:5180386.7/45

Out: 447.787+/-0.059 χ^2/NDF:6271250.2/49

All: 450.950+/-0.042 χ^2/NDF: 11457425.9/95



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: 129.988+/-316.326 χ^2/NDF: 20.1/25

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

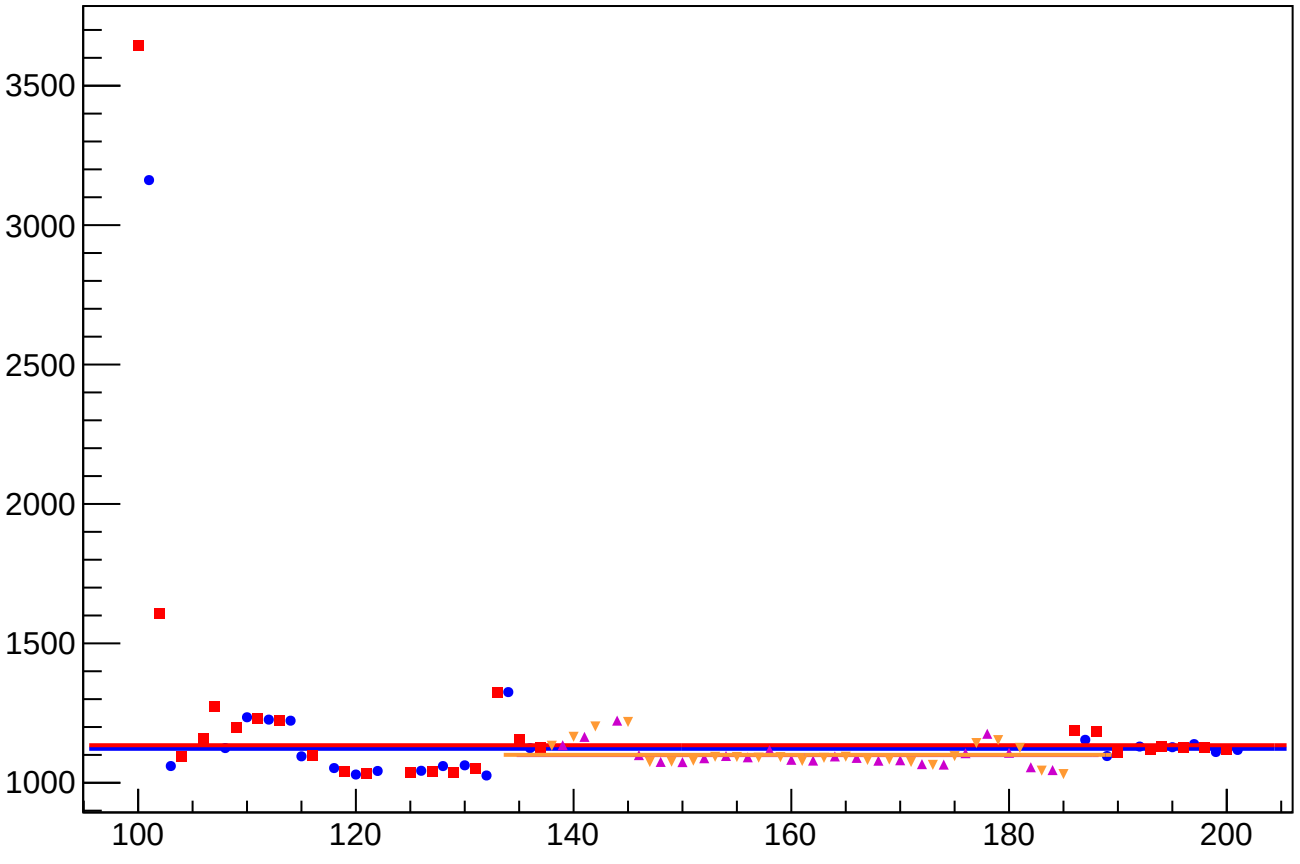
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 252.919+/-226.198 χ^2/NDF: 39.7/48

In: 163.026+/-201.184 χ^2/NDF:56.0/45

Out: 234.916+/-198.789 χ^2/NDF:48.7/49

All: 199.401+/-141.404 χ^2/NDF: 104.8/95



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: 1134.730+/-0.224 χ^2/NDF: 233597.4/25

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

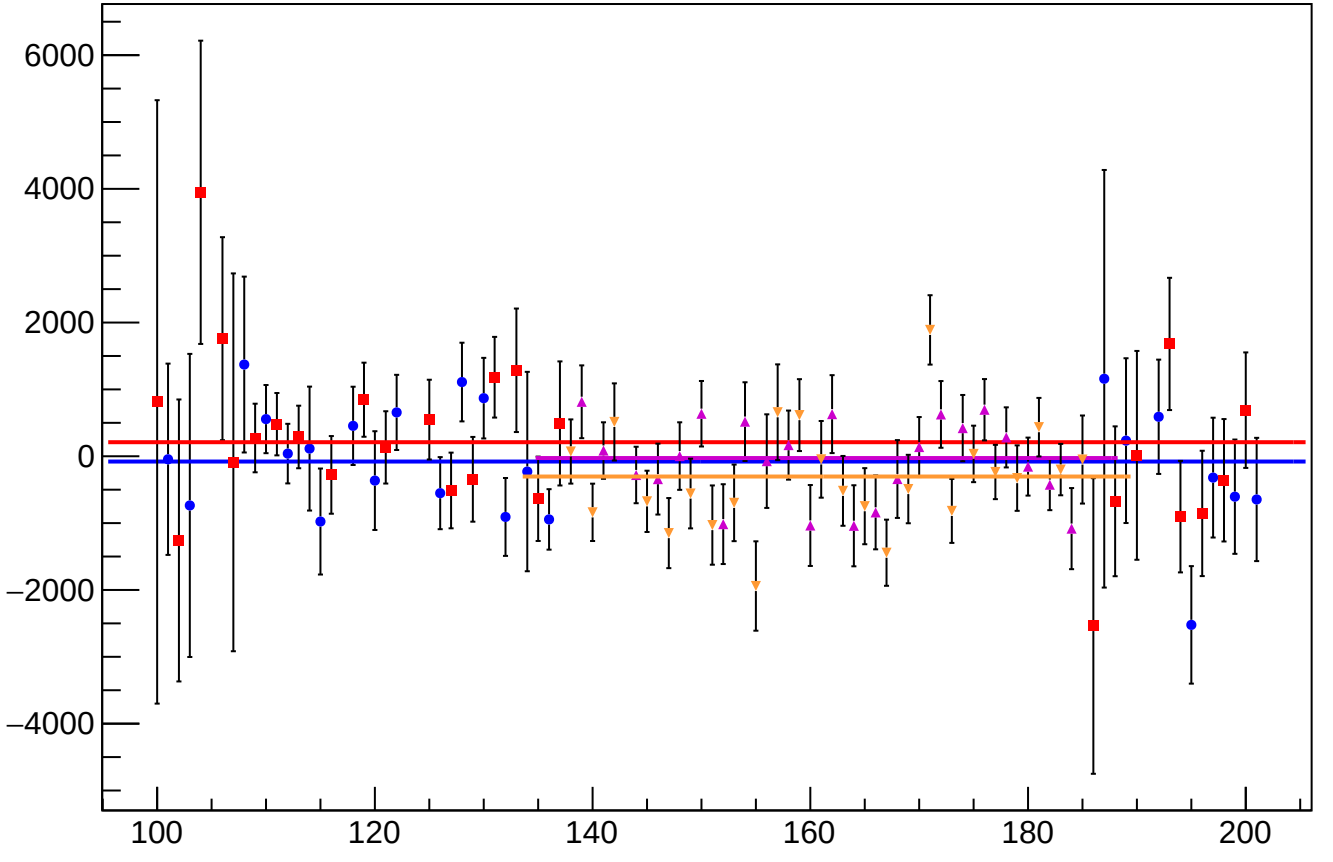
Right: 1128.447+/-0.160 χ^2/NDF: 853858.3/48

In: 1108.051+/-0.142 χ^2/NDF:669379.5/45

Out: 1113.872+/-0.141 χ^2/NDF:296743.2/49

All: 1110.996+/-0.100 χ^2/NDF: 966969.9/95

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 210.239+/-145.581 χ^2/NDF: 23.4/25

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

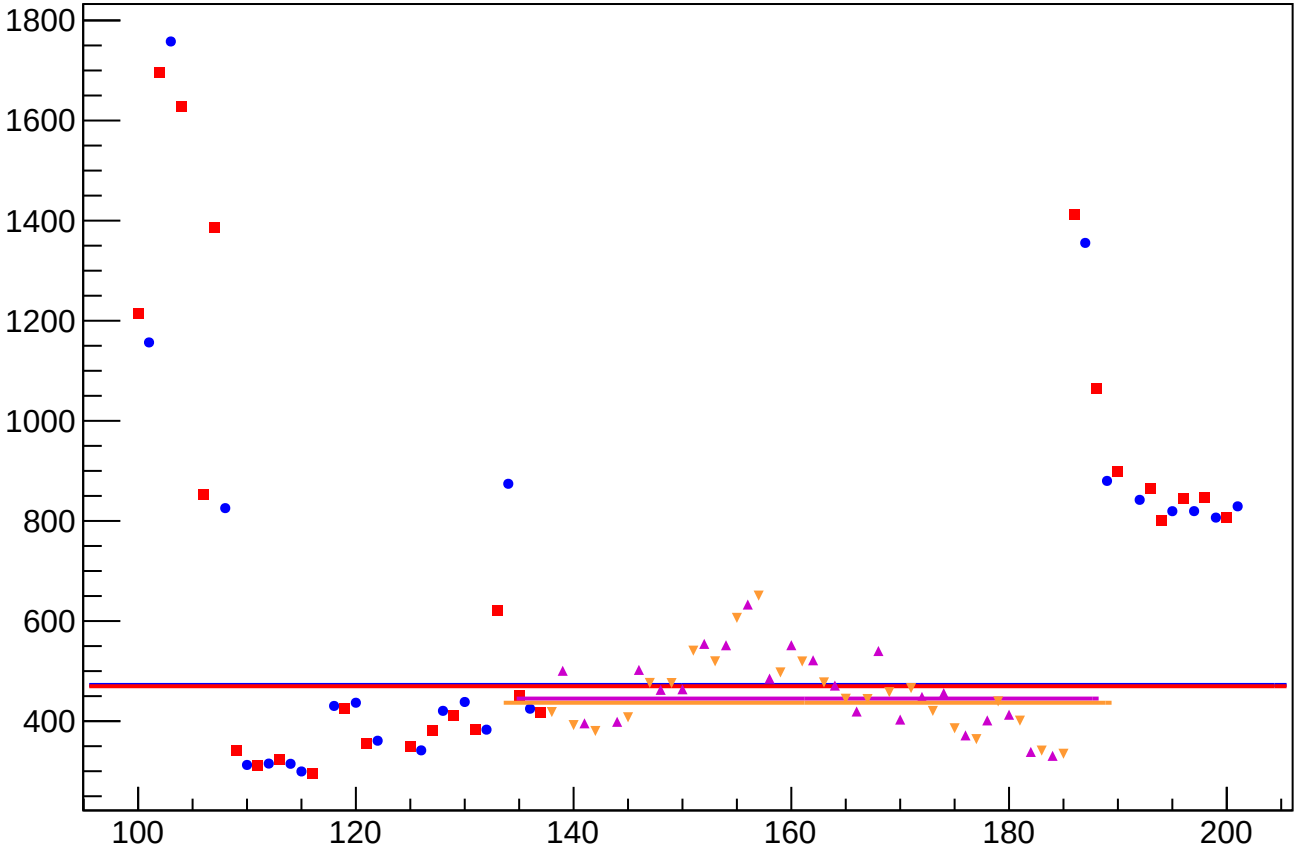
Right: 68.407+/-103.933 χ^2/NDF: 54.7/48

In: -44.271+/-85.948 χ^2/NDF:57.3/45

Out: -131.981+/-84.072 χ^2/NDF:81.2/49

All: -89.094+/-60.100 χ^2/NDF: 139.1/95

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 469.768+/-0.103 χ^2/NDF: 5347665.9/25

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

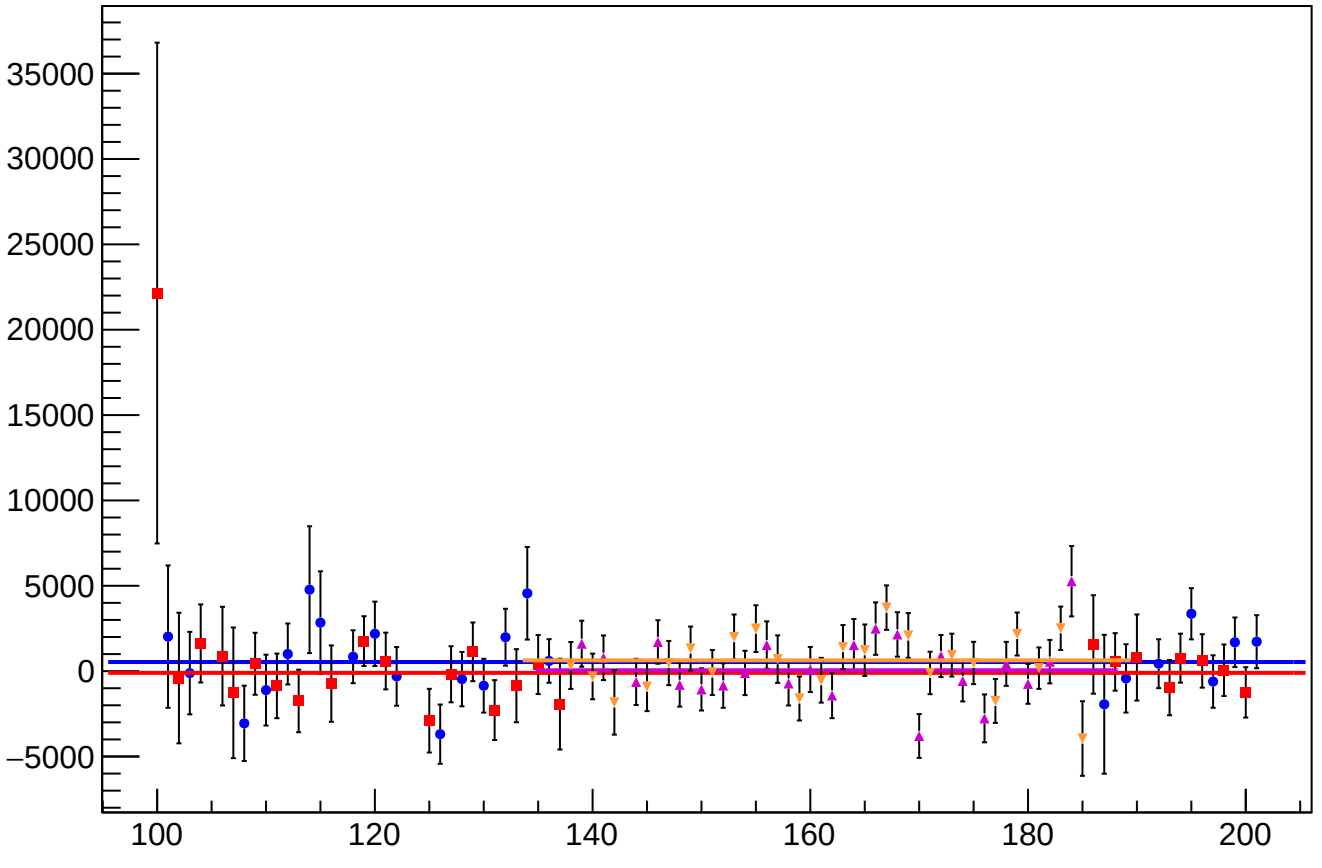
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 471.051+/-0.073 χ^2/NDF: 9608970.2/48

In: 454.254+/-0.061 χ^2/NDF:5180451.3/45

Out: 447.786+/-0.059 χ^2/NDF:6271319.3/49

All: 450.949+/-0.042 χ^2/NDF: 11457559.7/95



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: -99.814+/-373.104 χ^2/NDF: 13.1/25

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

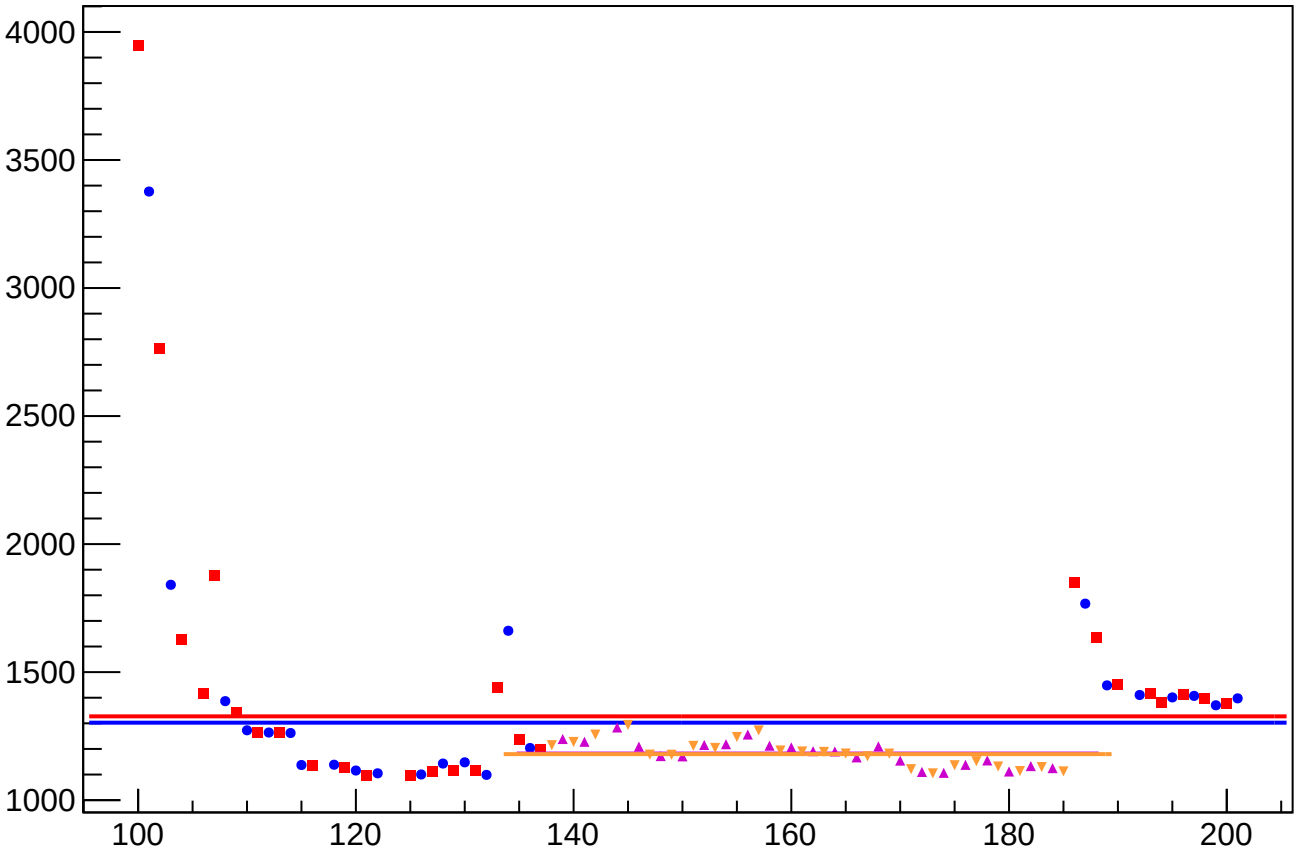
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 213.431+/-265.550 χ^2/NDF: 37.0/48

In: 219.352+/-223.024 χ^2/NDF:58.6/45

Out: 376.096+/-220.876 χ^2/NDF:45.7/49

All: 298.482+/-156.937 χ^2/NDF: 104.5/95



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: 1327.233+/-0.264 χ^2/NDF: 818495.7/25

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

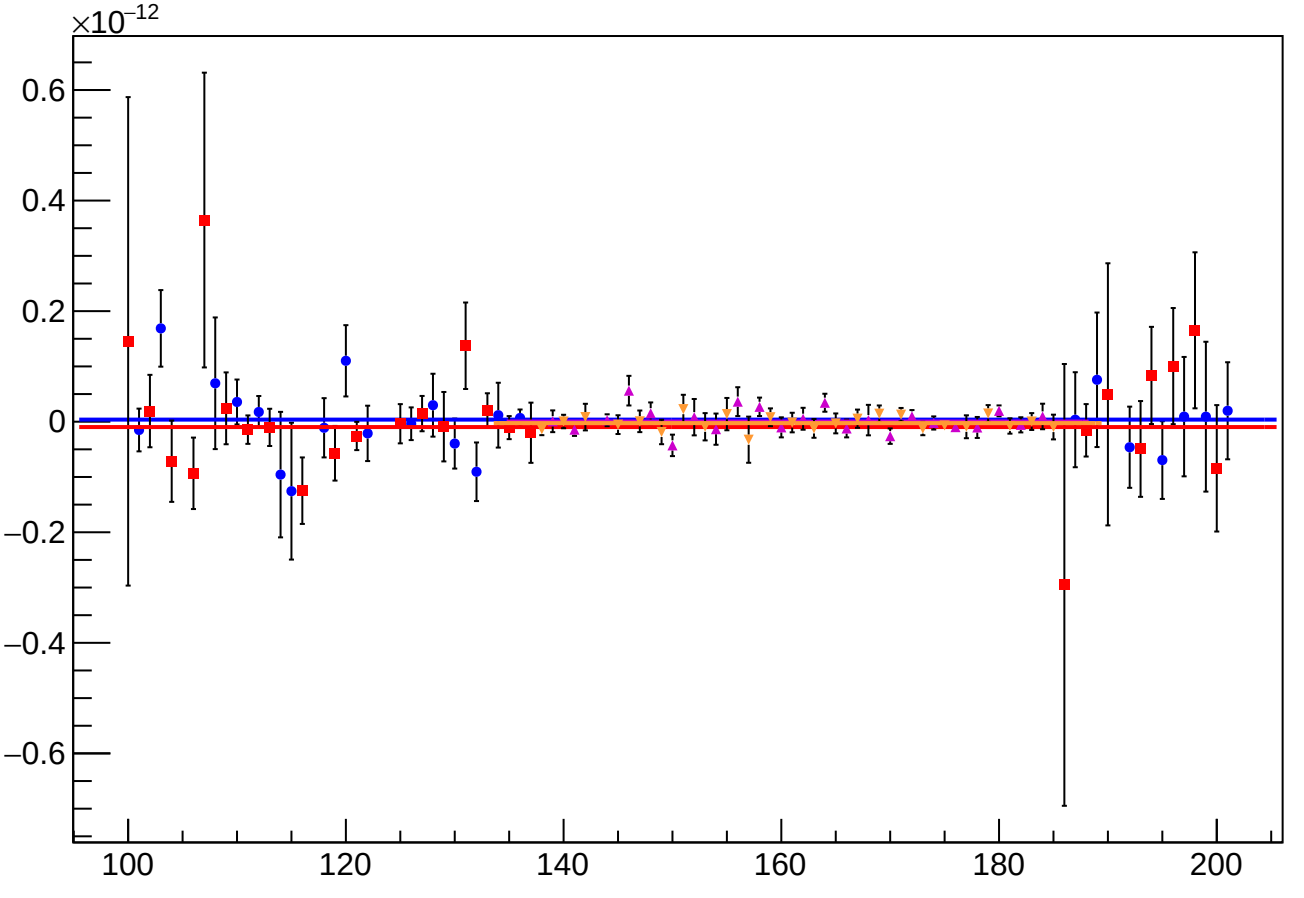
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1315.065+/-0.188 χ^2/NDF: 1718073.1/48

In: 1223.920+/-0.158 χ^2/NDF:1088425.3/45

Out: 1231.413+/-0.156 χ^2/NDF:1086248.2/49

All: 1227.703+/-0.111 χ^2/NDF: 2175813.4/95



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: 20.1/25

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

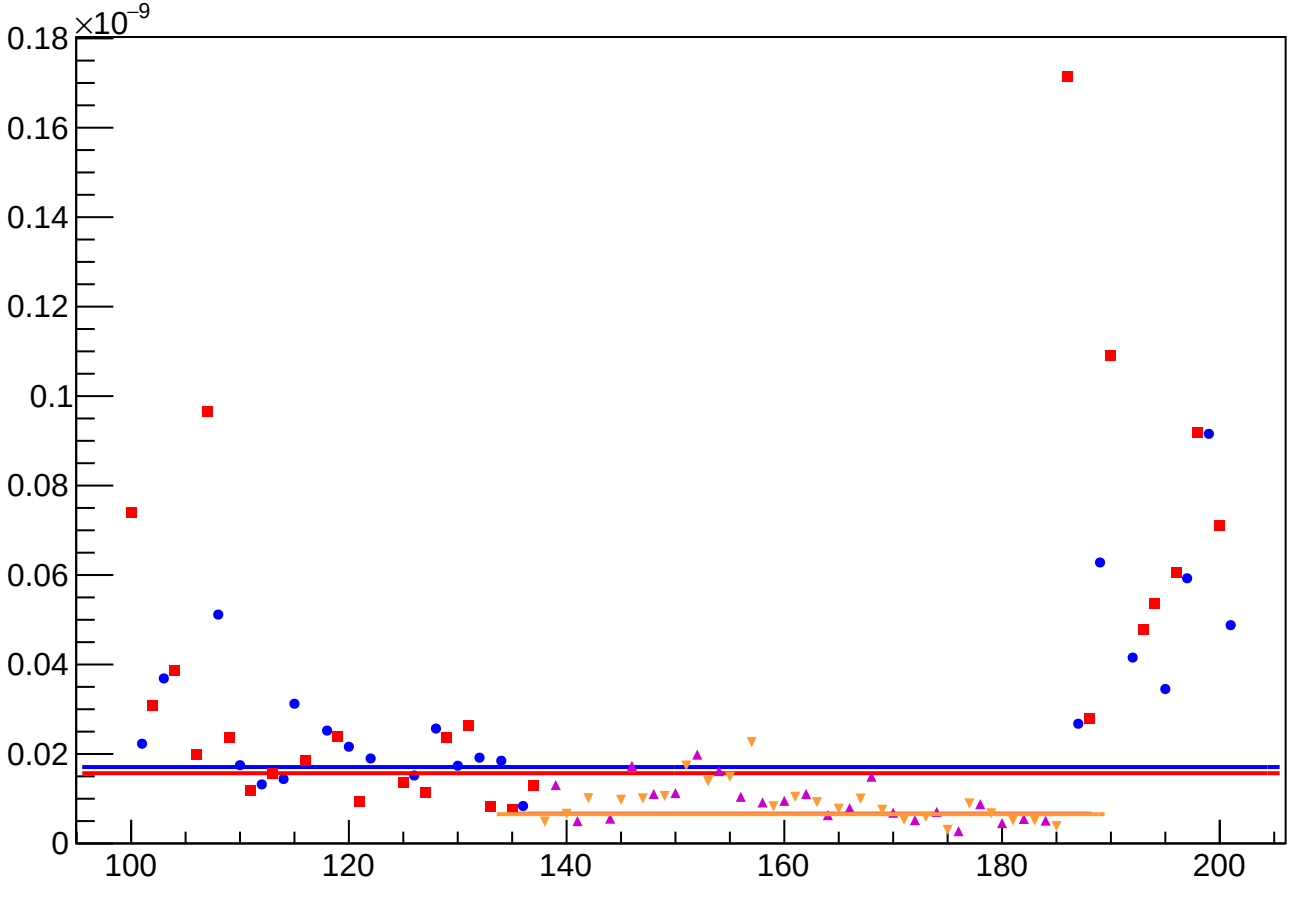
Right: -0.000+/-0.000 χ^2/NDF: 39.5/48

In: 0.000+/-0.000 χ^2/NDF:51.0/45

Out: -0.000+/-0.000 χ^2/NDF:31.1/49

All: -0.000+/-0.000 χ^2/NDF: 83.0/95

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: 4147970.2/25

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

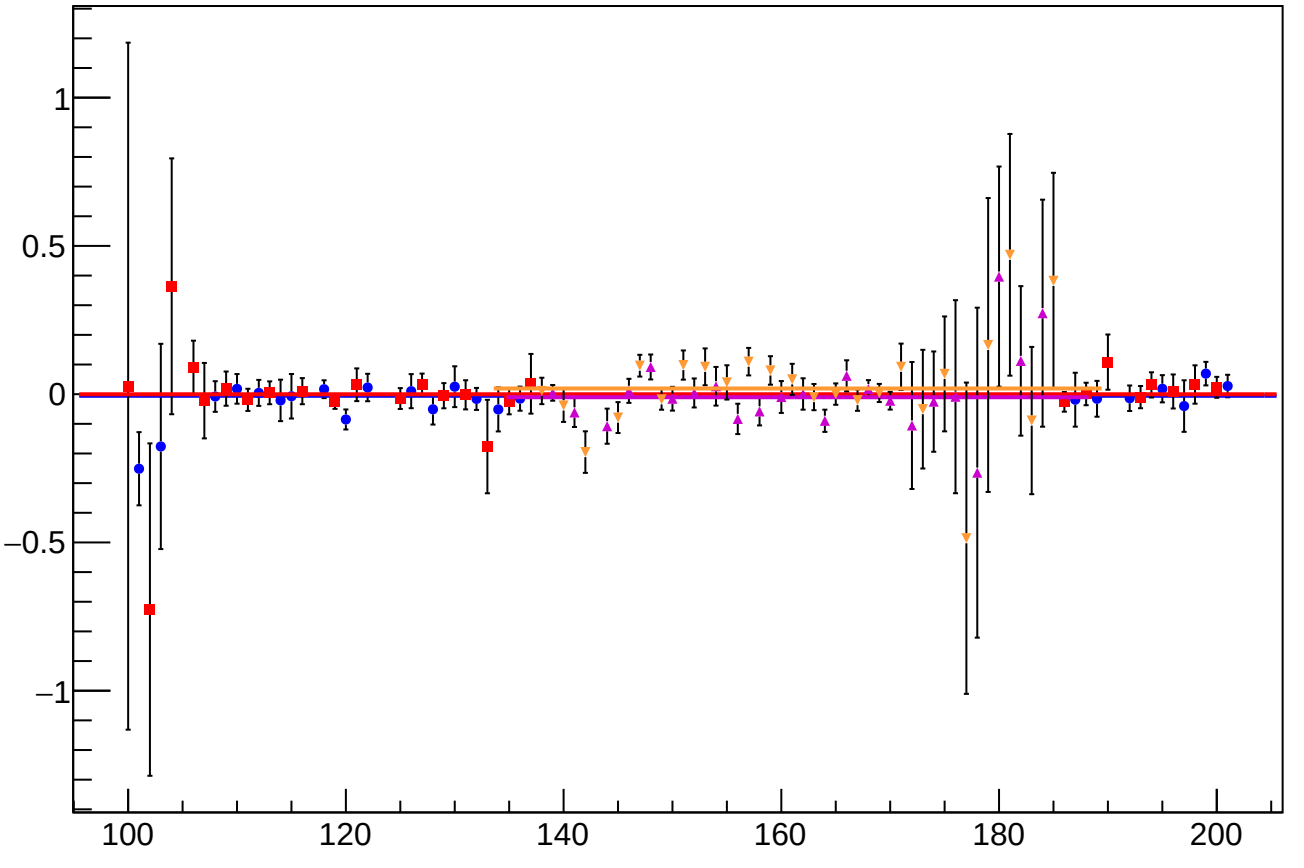
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7185825.8/48

In: 0.000+/-0.000 χ^2/NDF:7831899.5/45

Out: 0.000+/-0.000 χ^2/NDF:8340084.0/49

All: 0.000+/-0.000 χ^2/NDF: 16176939.3/95



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: -0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

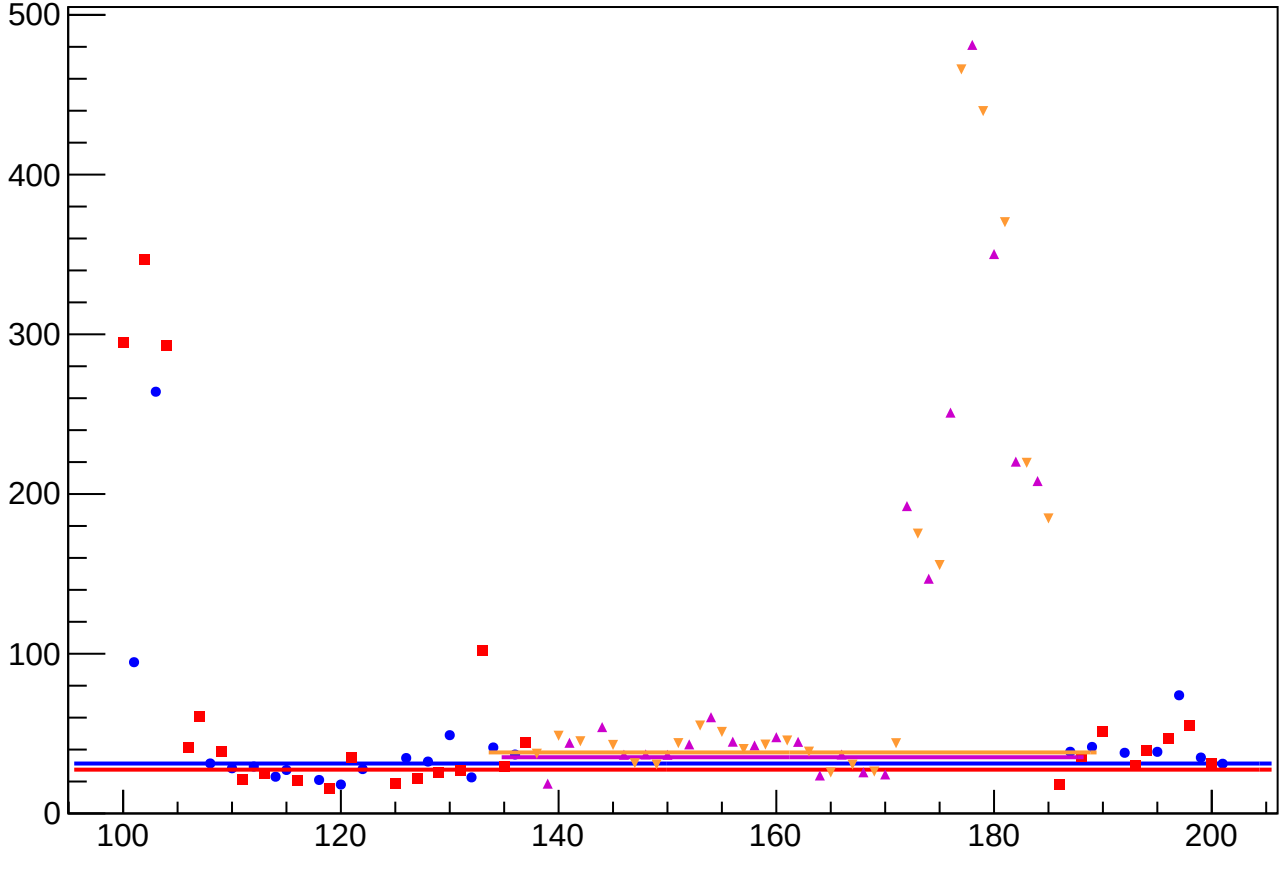
Right: -0.003+/-0.007 χ^2/NDF: 28.8/48

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: 0.000+/-0.005 χ^2/NDF: 92.7/95

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: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

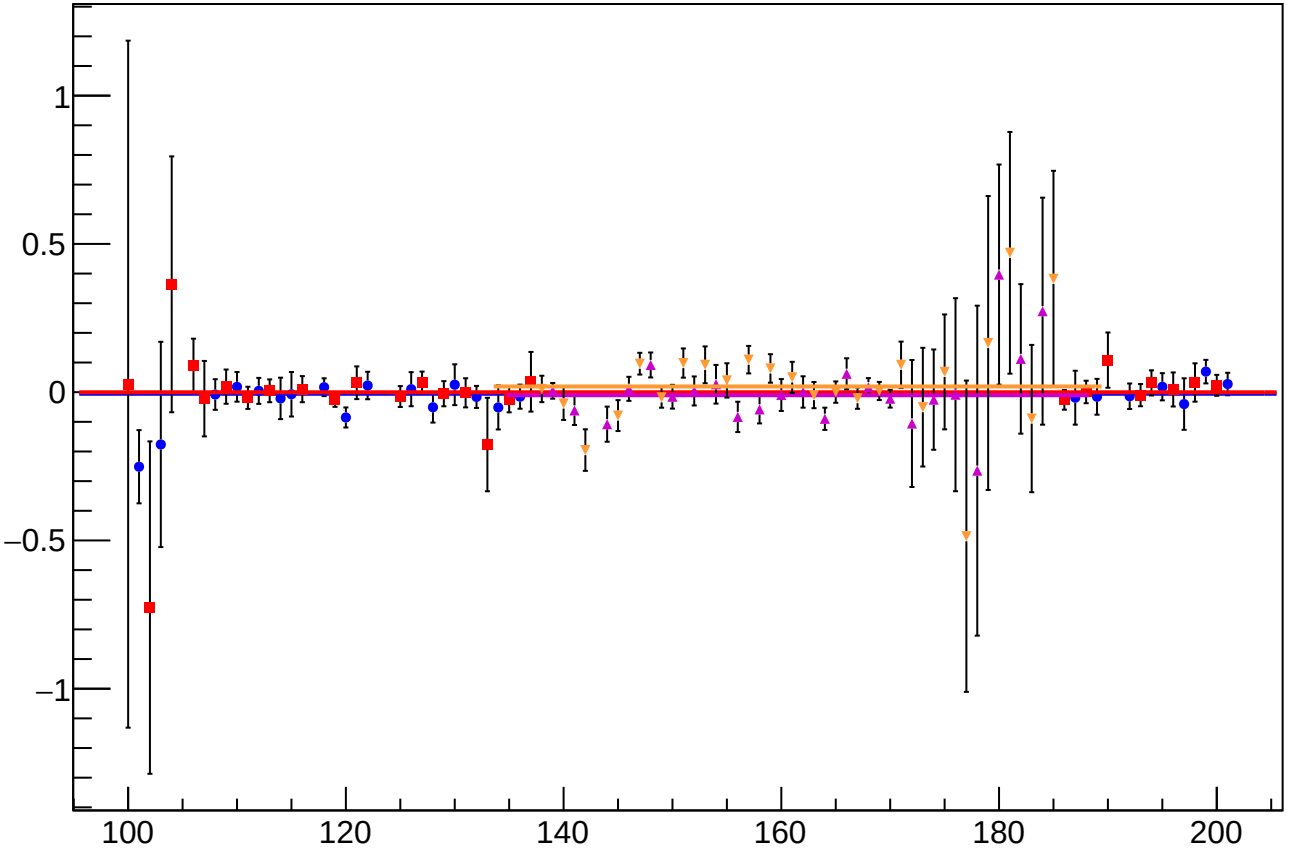
Right: 29.117+/-0.005 χ^2/NDF: 7435239.7/48

In: 33.229+/-0.005 χ^2/NDF:12564143.6/45

Out: 31.920+/-0.005 χ^2/NDF:13700602.1/49

All: 32.548+/-0.004 χ^2/NDF: 26298534.0/95

asym_us_dd_atlr_dd_dd_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: -0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

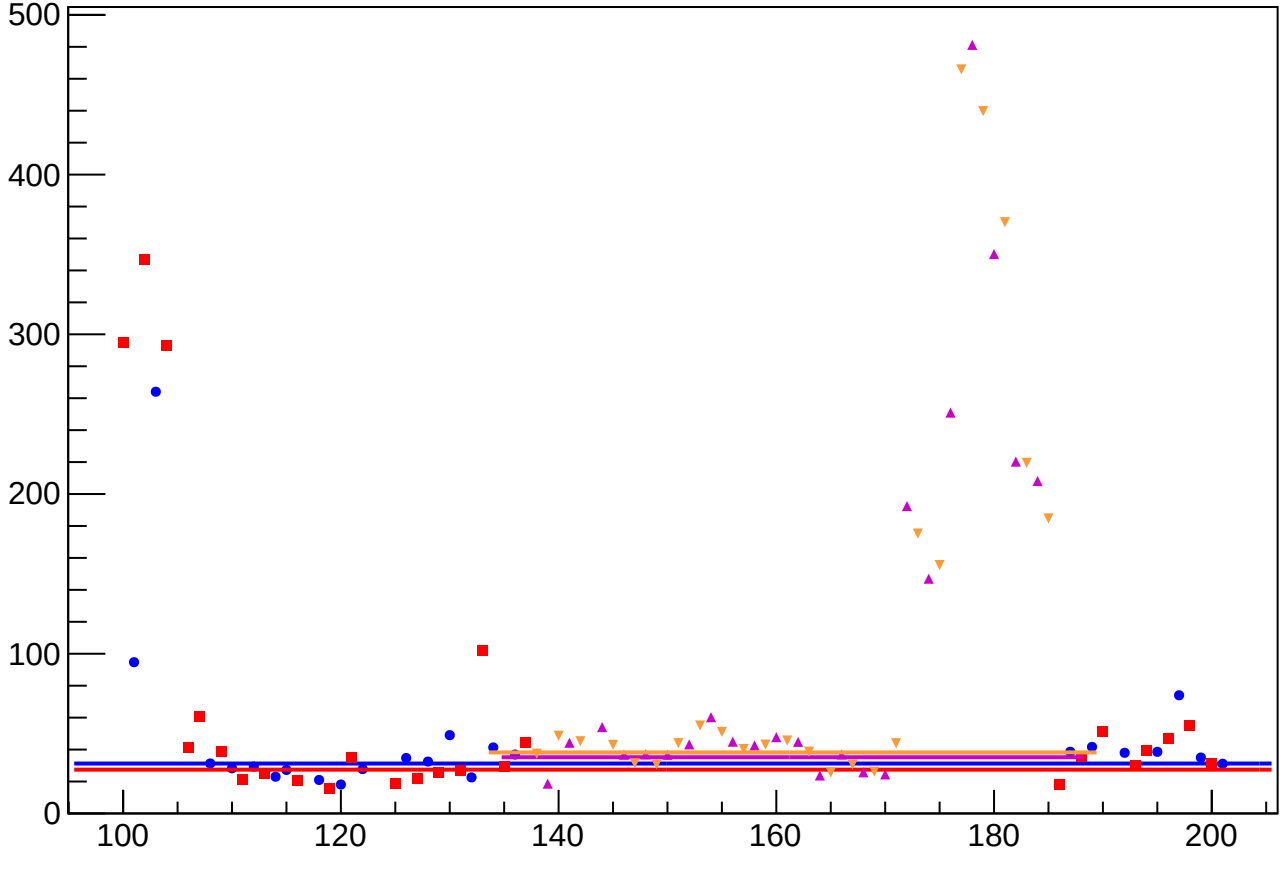
Right: -0.003+/-0.007 χ^2/NDF: 28.8/48

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: 0.000+/-0.005 χ^2/NDF: 92.7/95

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: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

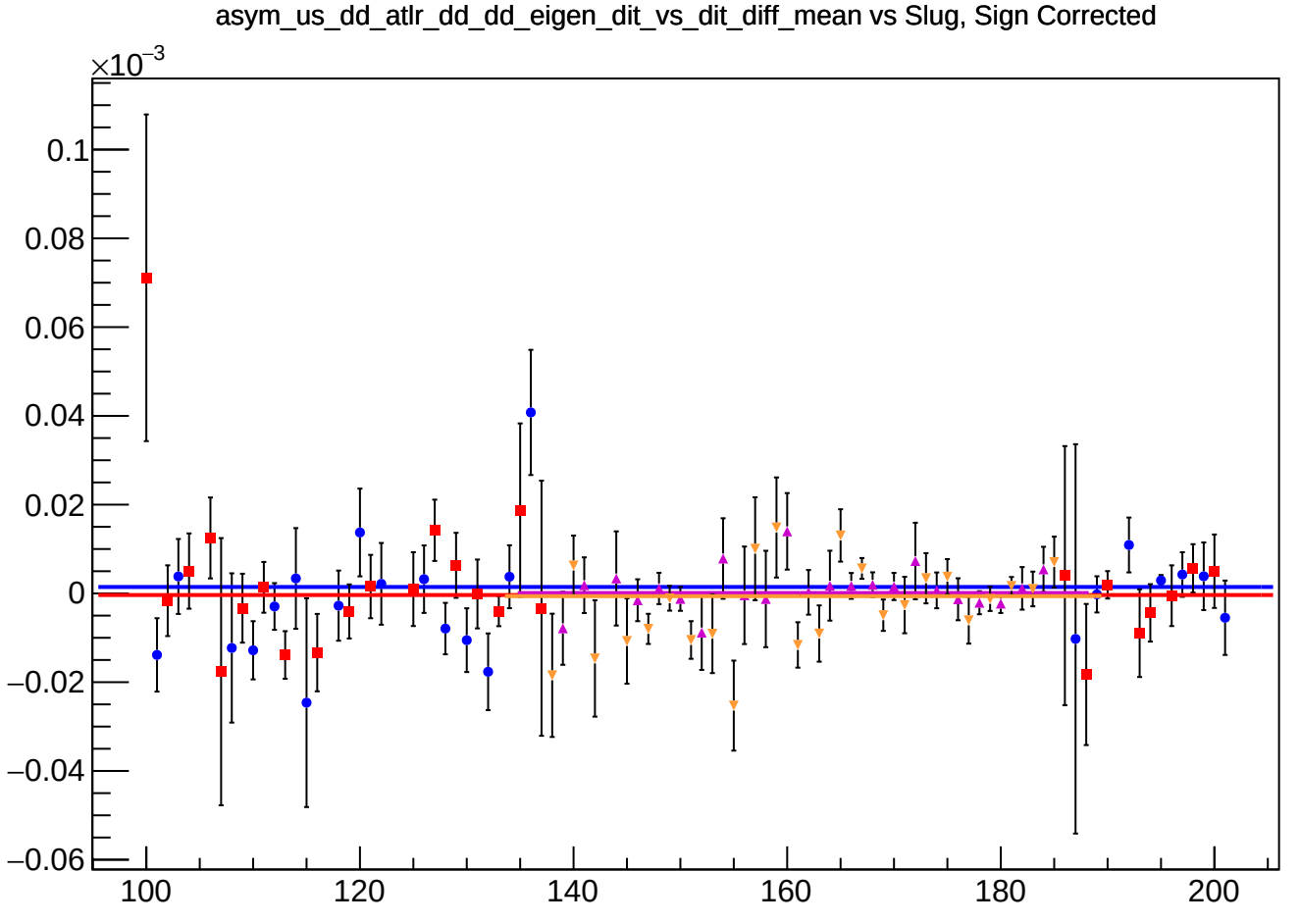
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.117+/-0.005 χ^2/NDF: 7435239.7/48

In: 33.229+/-0.005 χ^2/NDF:12564143.6/45

Out: 31.920+/-0.005 χ^2/NDF:13700602.1/49

All: 32.548+/-0.004 χ^2/NDF: 26298534.0/95



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: 27.8/25

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

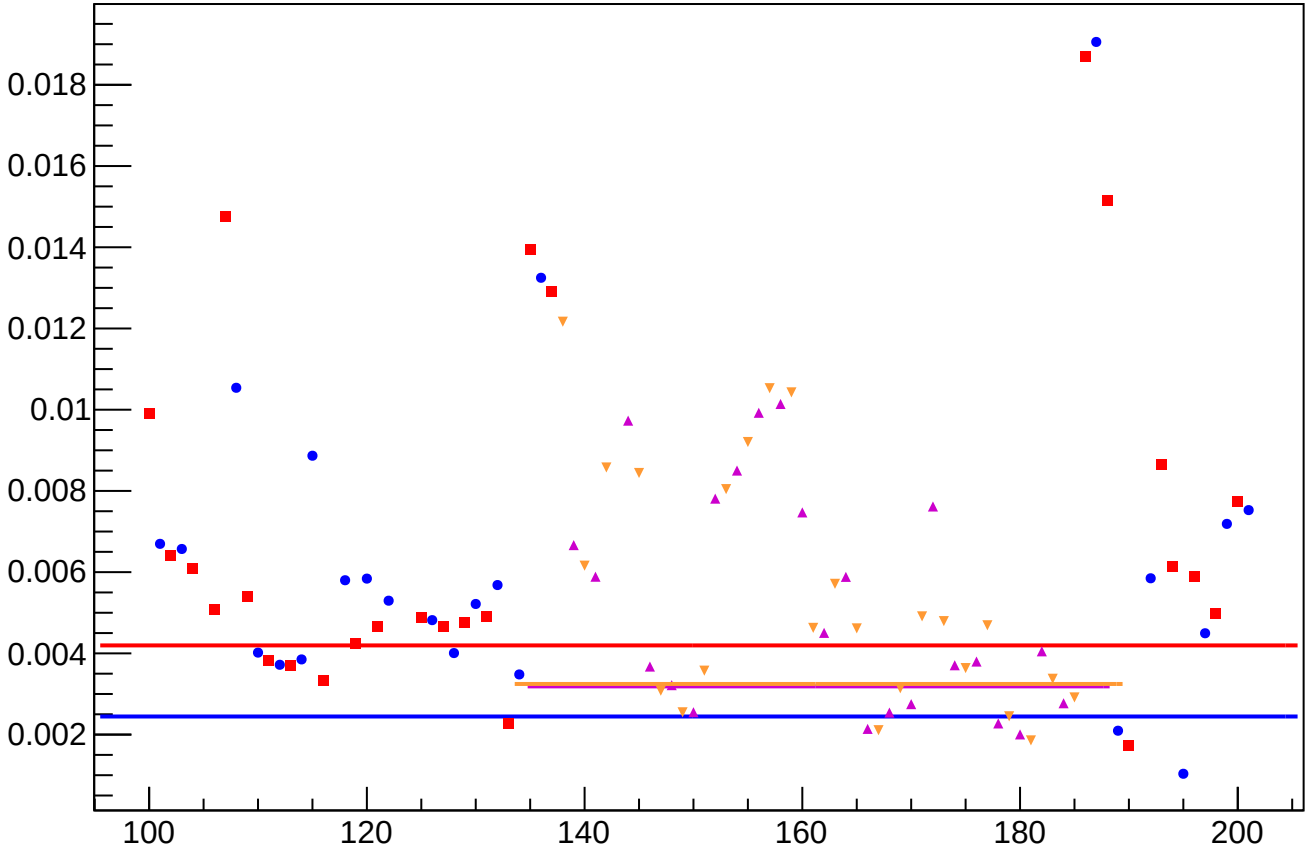
Right: 0.000+/-0.000 χ^2/NDF: 65.1/48

In: 0.000+/-0.000 χ^2/NDF:48.2/45

Out: -0.000+/-0.000 χ^2/NDF:79.0/49

All: 0.000+/-0.000 χ^2/NDF: 128.8/95

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10229859.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5868211.1/25

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

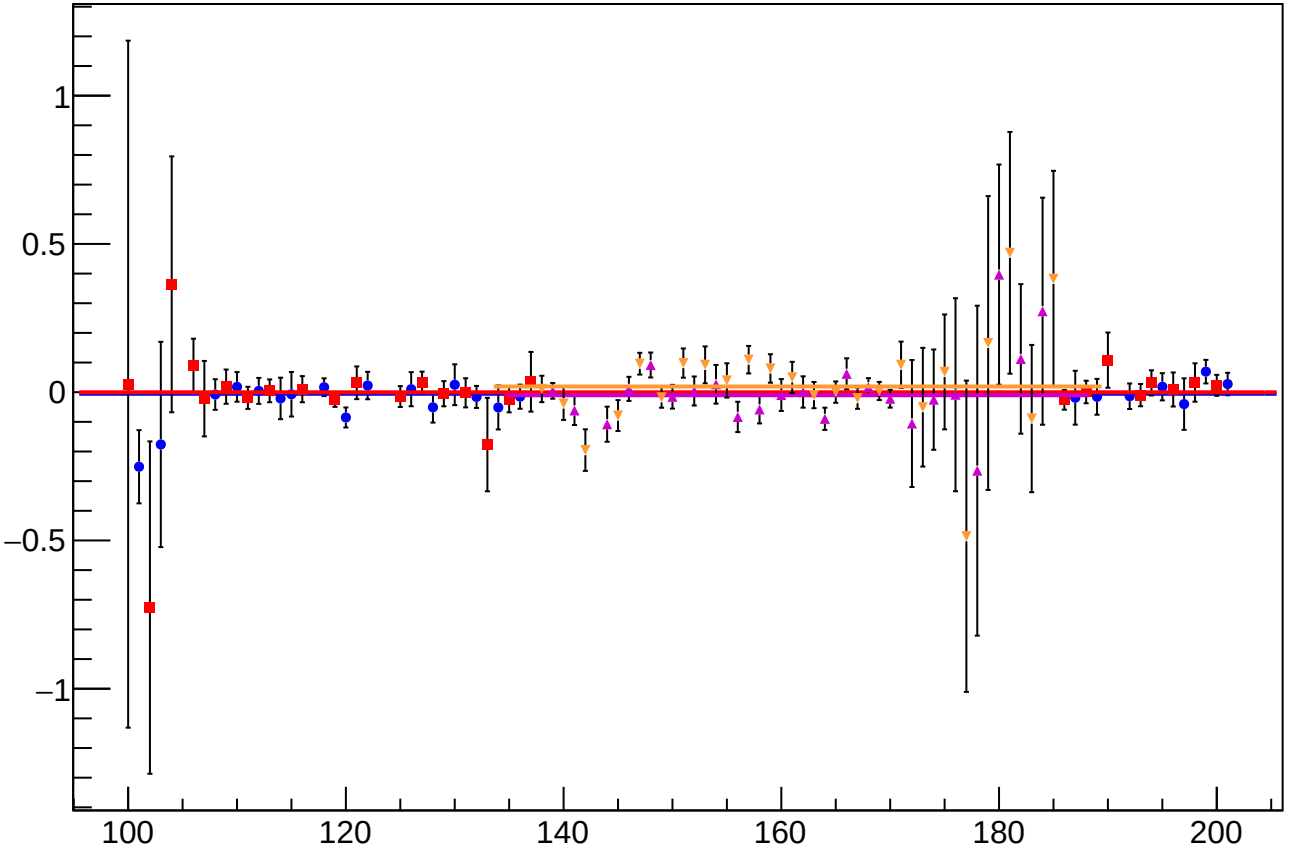
Right: 0.003+/-0.000 χ^2/NDF: 18354264.4/48

In: 0.003+/-0.000 χ^2/NDF:18189829.7/45

Out: 0.004+/-0.000 χ^2/NDF:14316658.0/49

All: 0.003+/-0.000 χ^2/NDF: 33457132.9/95

asym_us_dd_atlr_dd_dd_eigen_dit_vs_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: -0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

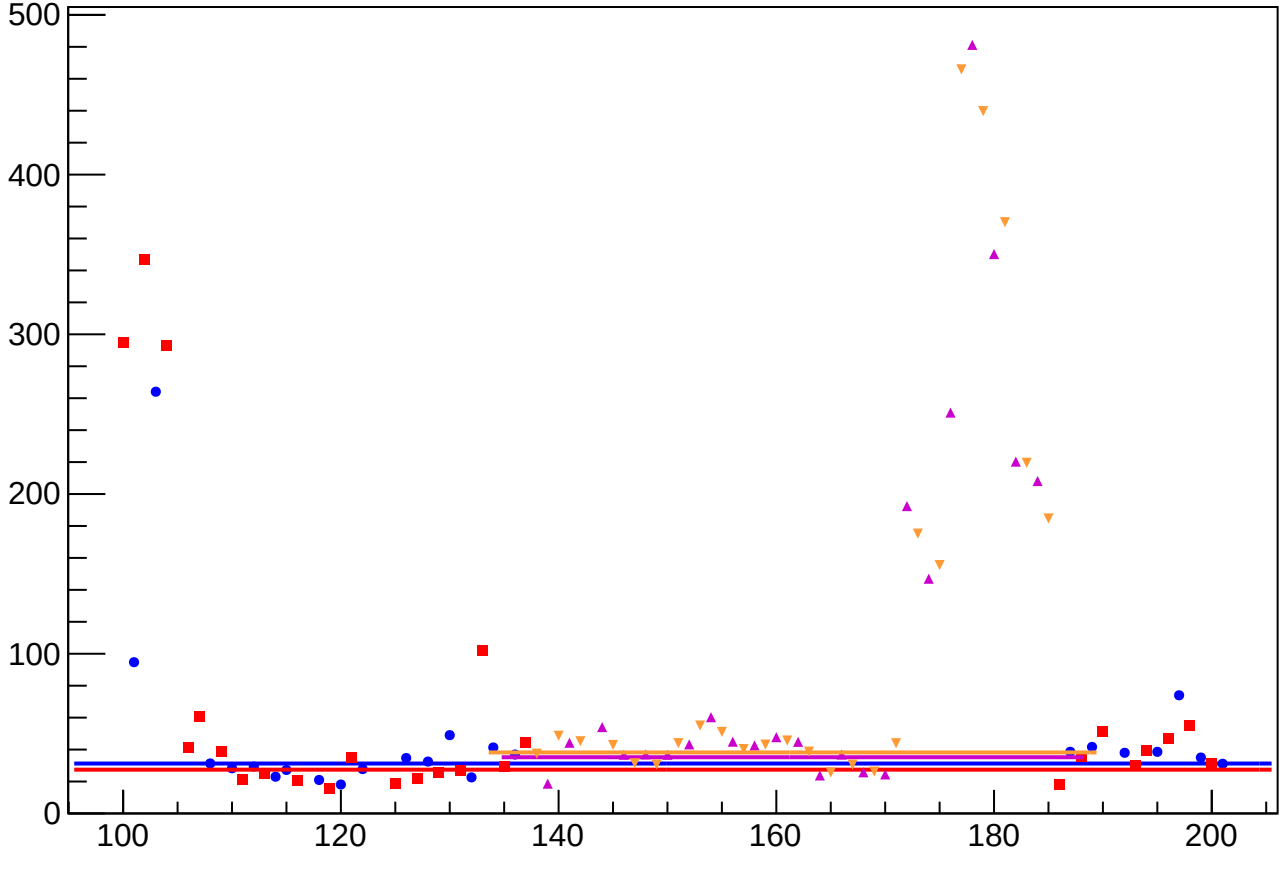
Right: -0.003+/-0.007 χ^2/NDF: 28.8/48

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: 0.000+/-0.005 χ^2/NDF: 92.7/95

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: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

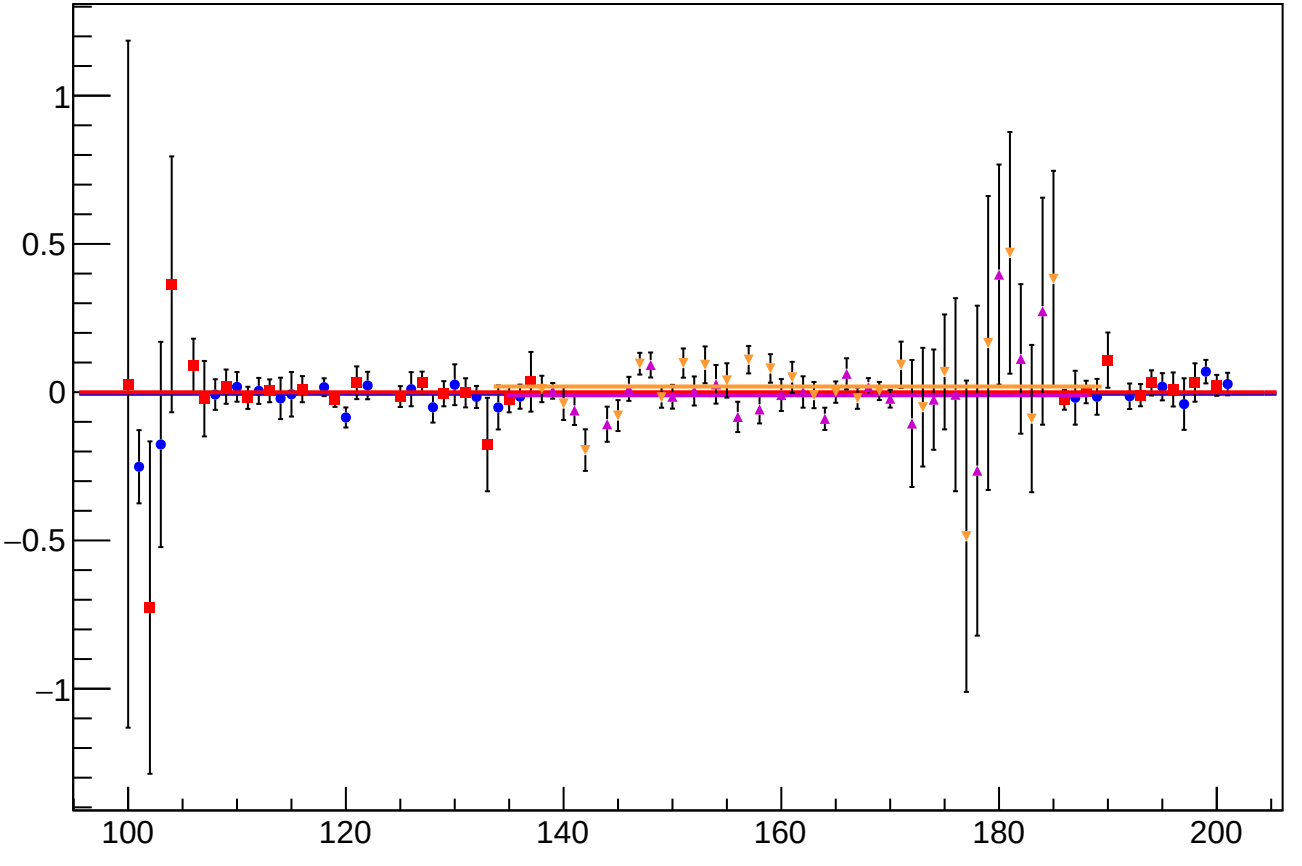
Right: 29.115+/-0.005 χ^2/NDF: 7435839.1/48

In: 33.228+/-0.005 χ^2/NDF:12564589.8/45

Out: 31.918+/-0.005 χ^2/NDF:13701578.7/49

All: 32.547+/-0.004 χ^2/NDF: 26300029.9/95

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: -0.000+/-0.009 χ^2/NDF: 11.3/25

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

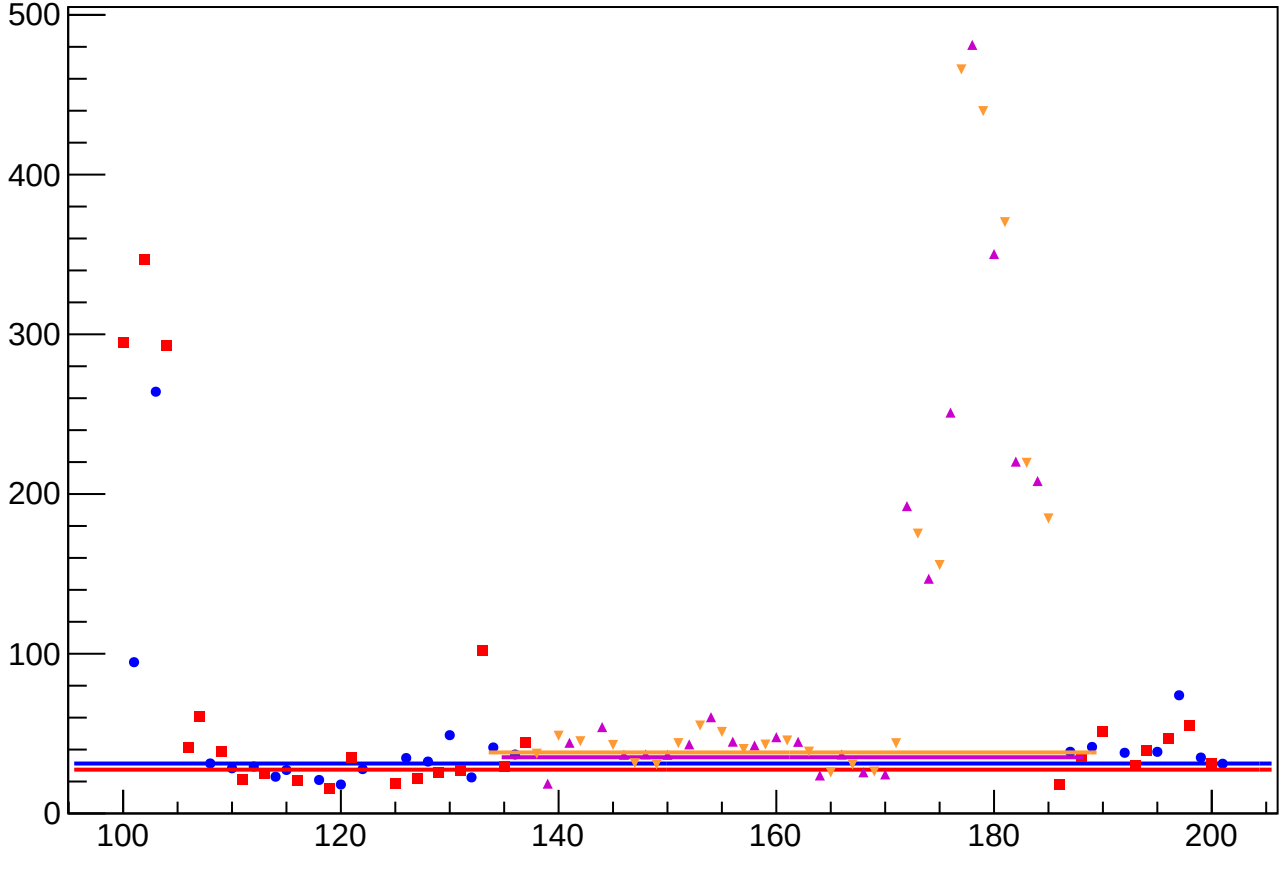
Right: -0.003+/-0.007 χ^2/NDF: 28.8/48

In: -0.008+/-0.007 χ^2/NDF:41.1/45

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: 0.000+/-0.005 χ^2/NDF: 92.7/95

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: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

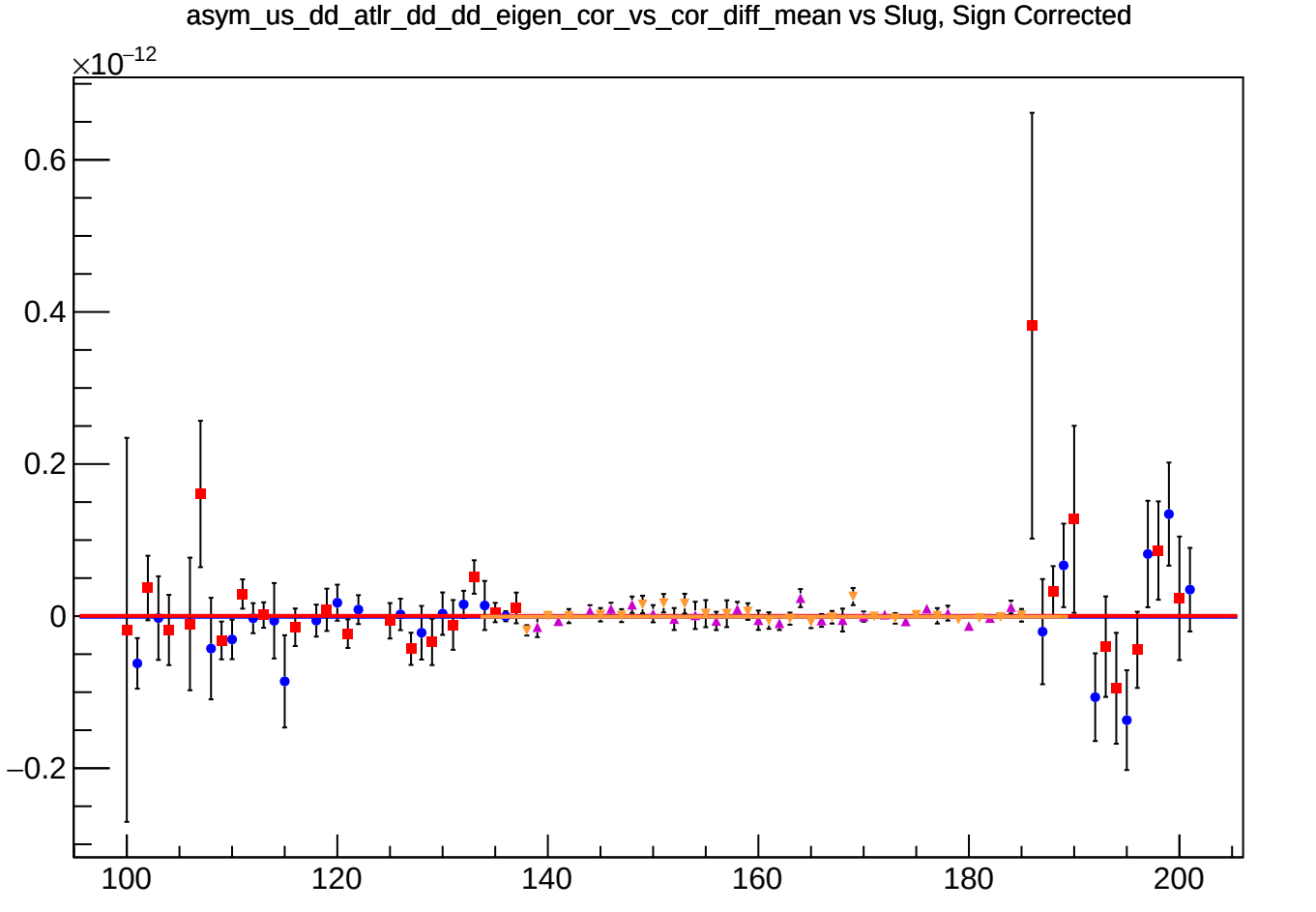
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 29.115+/-0.005 χ^2/NDF: 7435839.1/48

In: 33.228+/-0.005 χ^2/NDF:12564589.8/45

Out: 31.918+/-0.005 χ^2/NDF:13701578.7/49

All: 32.547+/-0.004 χ^2/NDF: 26300029.9/95



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: 29.7/25

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

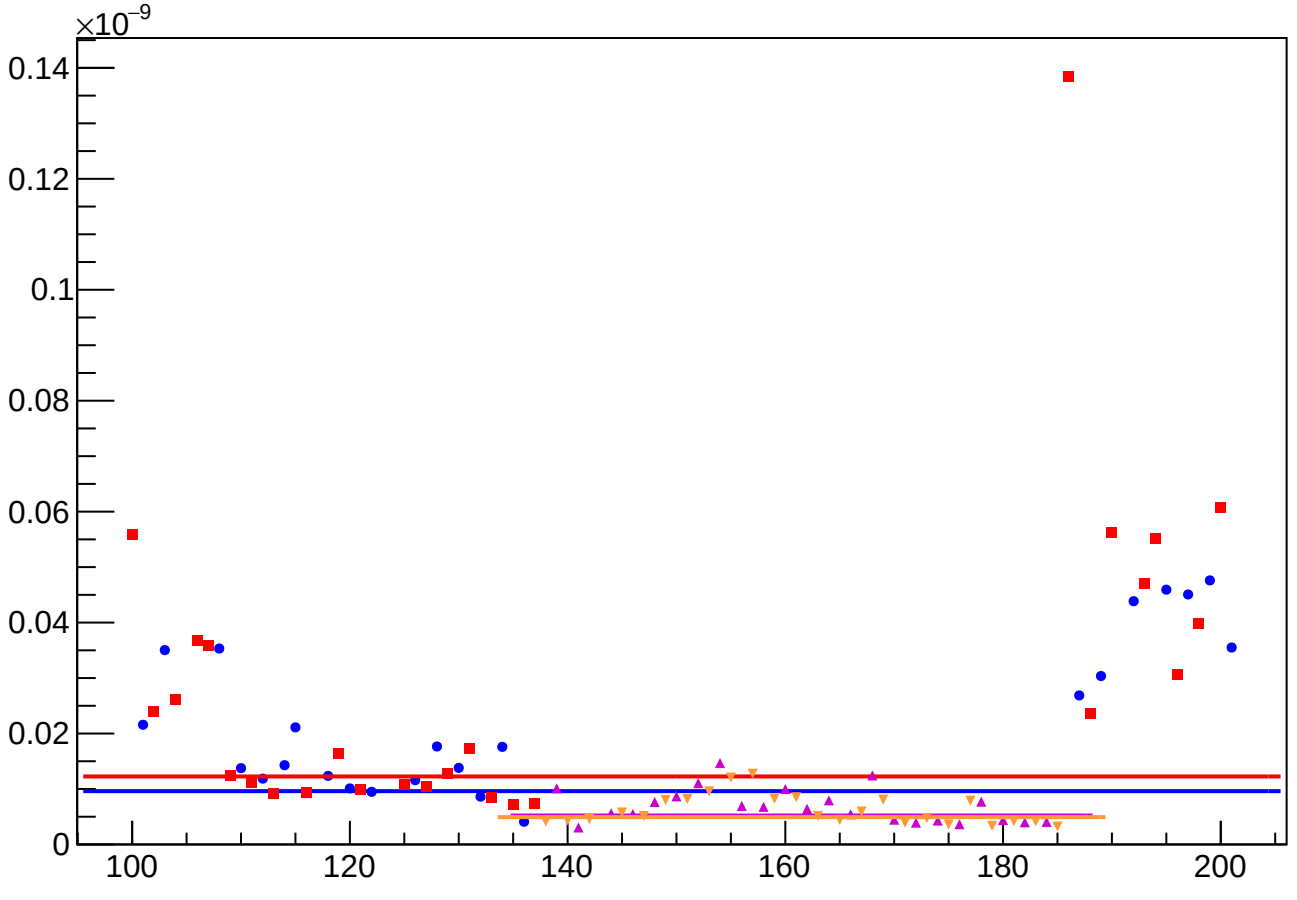
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 54.2/48

In: -0.000+/-0.000 χ^2/NDF:50.7/45

Out: -0.000+/-0.000 χ^2/NDF:50.8/49

All: -0.000+/-0.000 χ^2/NDF: 101.6/95



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: 4897355.7/25

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

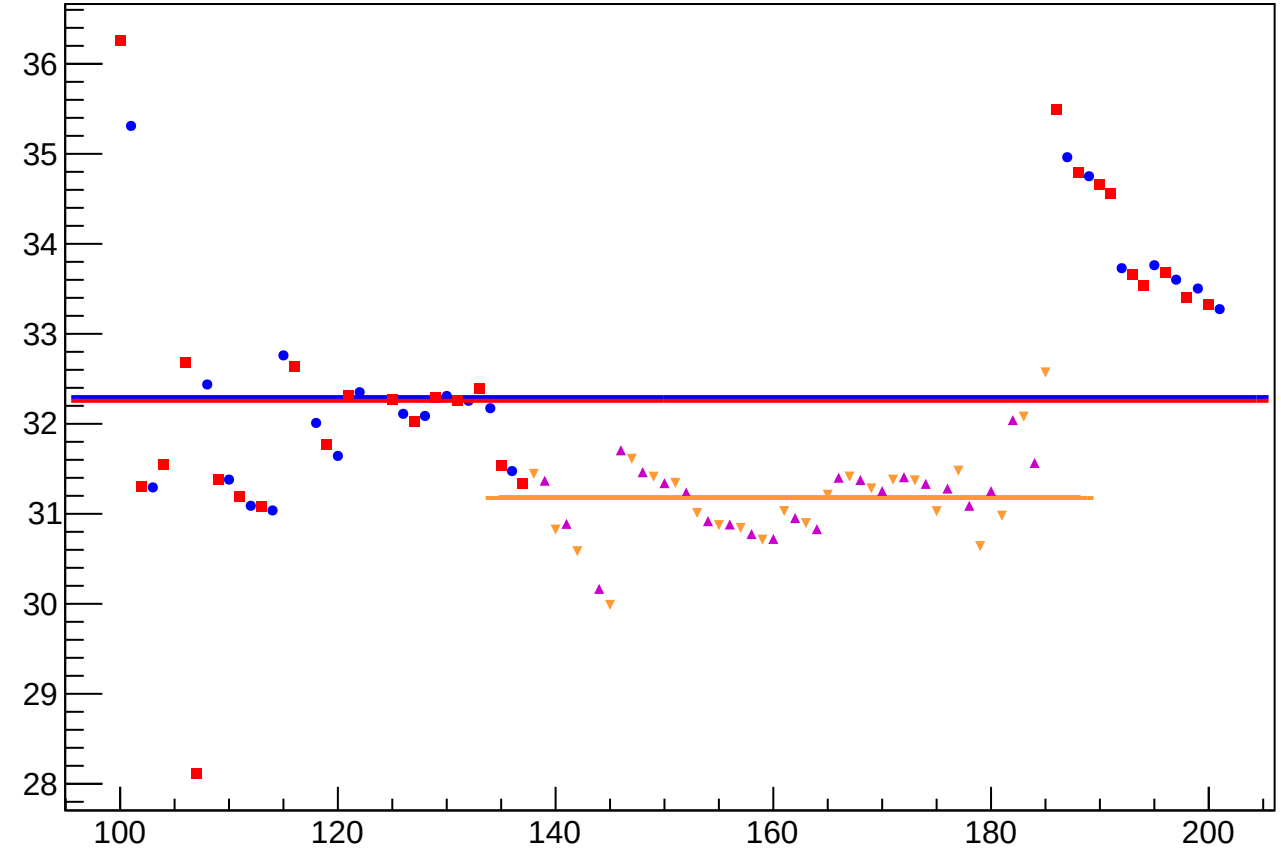
Right: 0.000+/-0.000 χ^2/NDF: 11324109.3/48

In: 0.000+/-0.000 χ^2/NDF:11170485.0/45

Out: 0.000+/-0.000 χ^2/NDF:10892942.3/49

All: 0.000+/-0.000 χ^2/NDF: 22080832.1/95

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: 32.256+/-0.000 χ^2/NDF: 1620814326.1/26

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

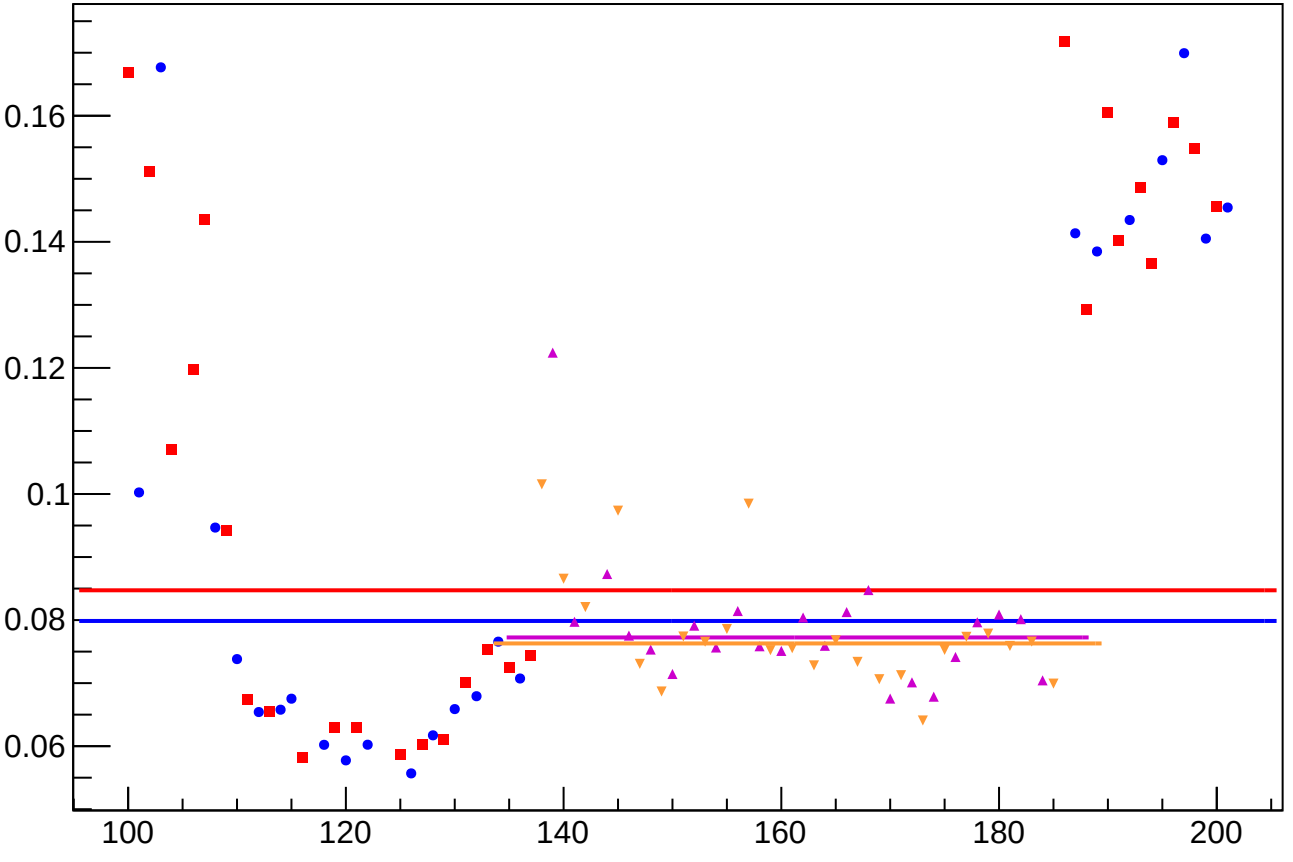
Right: 32.277+/-0.000 χ^2/NDF: 3146473589.8/49

In: 31.584+/-0.000 χ^2/NDF:3146507879.6/45

Out: 31.550+/-0.000 χ^2/NDF:3312963395.7/50

All: 31.567+/-0.000 χ^2/NDF: 6461976717.9/9

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: 0.085+/-0.000 χ^2/NDF: 3521746.4/26

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

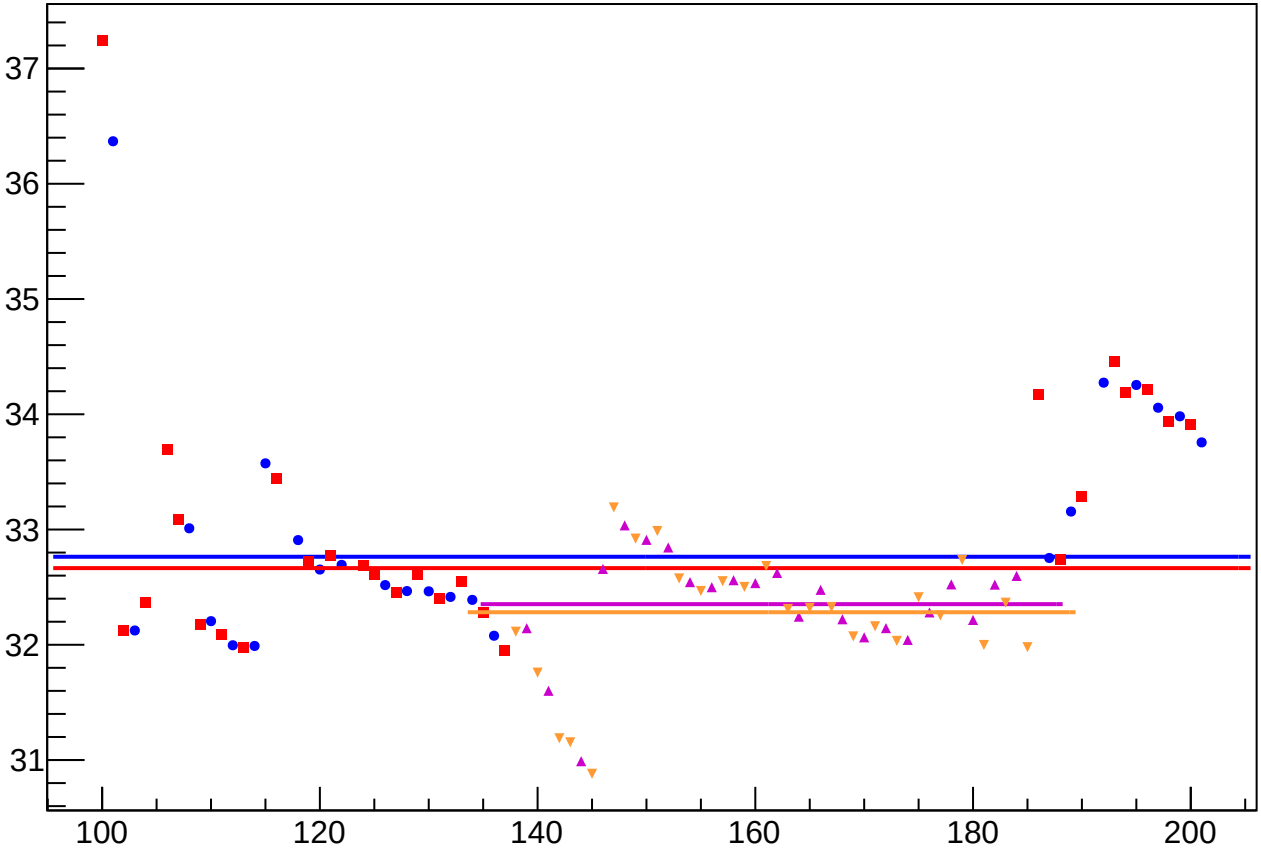
Right: 0.082+/-0.000 χ^2/NDF: 6720597.4/49

In: 0.078+/-0.000 χ^2/NDF:3541184.3/45

Out: 0.079+/-0.000 χ^2/NDF:4020160.8/50

All: 0.079+/-0.000 χ^2/NDF: 7565935.3/96

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: 32.665+/-0.000 χ^2/NDF: 412502738.2/26

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

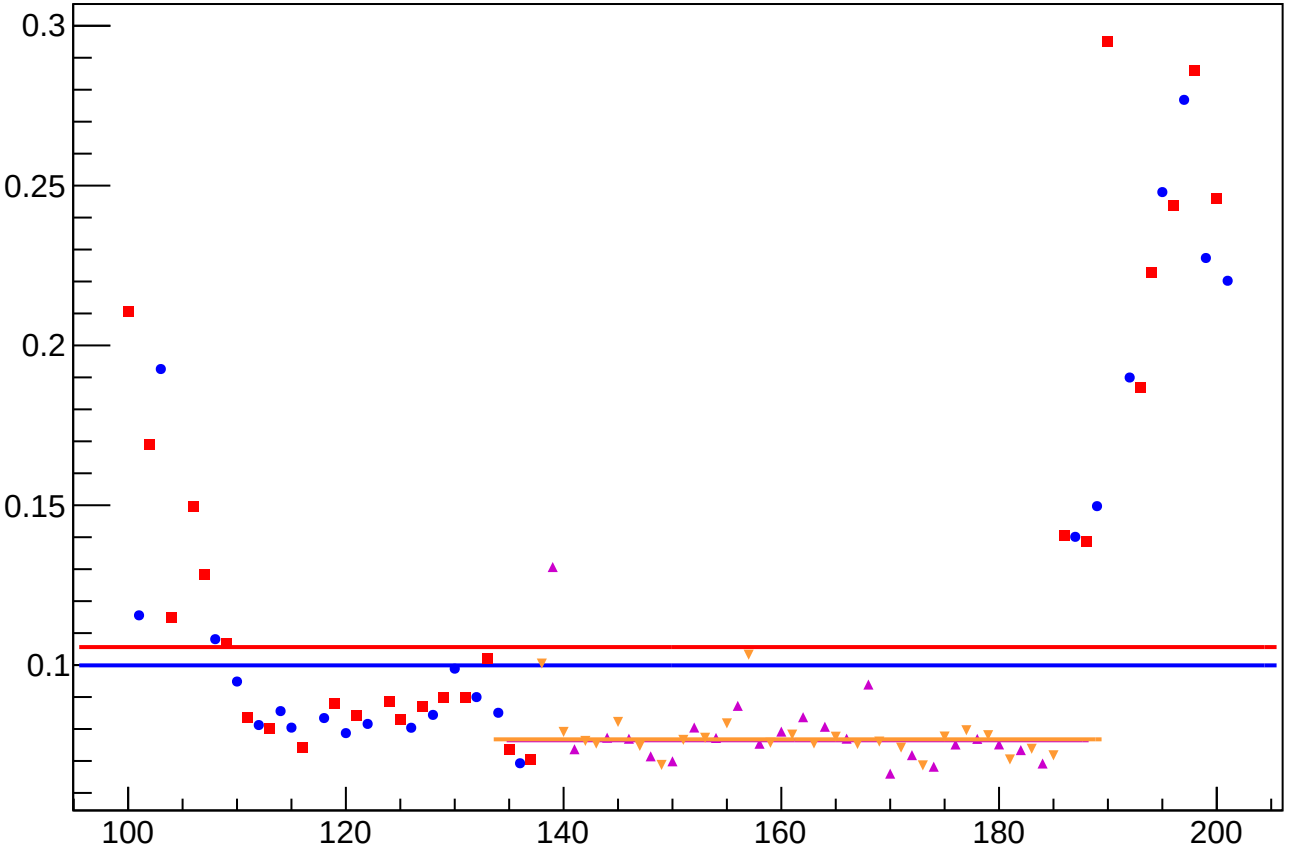
Right: 32.715+/-0.000 χ^2/NDF: 1323294014.4/49

In: 32.455+/-0.000 χ^2/NDF:1617431646.0/45

Out: 32.374+/-0.000 χ^2/NDF:1356263606.3/51

All: 32.414+/-0.000 χ^2/NDF: 2986562401.8/9

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: 0.106+/-0.000 χ^2/NDF: 3904580.6/26

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

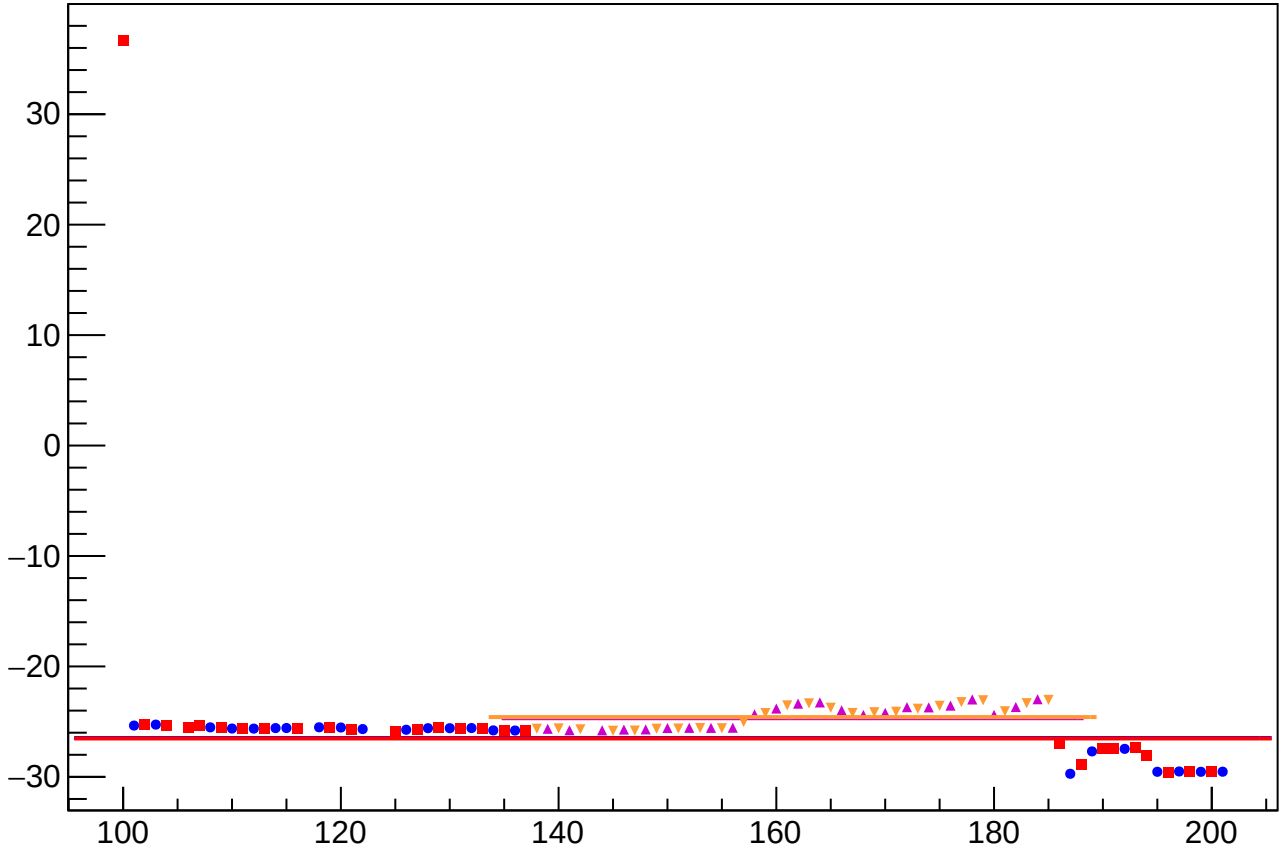
Right: 0.103+/-0.000 χ^2/NDF: 7639856.9/49

In: 0.082+/-0.000 χ^2/NDF:4975266.4/45

Out: 0.084+/-0.000 χ^2/NDF:5347135.0/51

All: 0.083+/-0.000 χ^2/NDF: 10329373.9/97

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: -26.521+/-0.000 χ^2/NDF: 22356256054.4/26

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

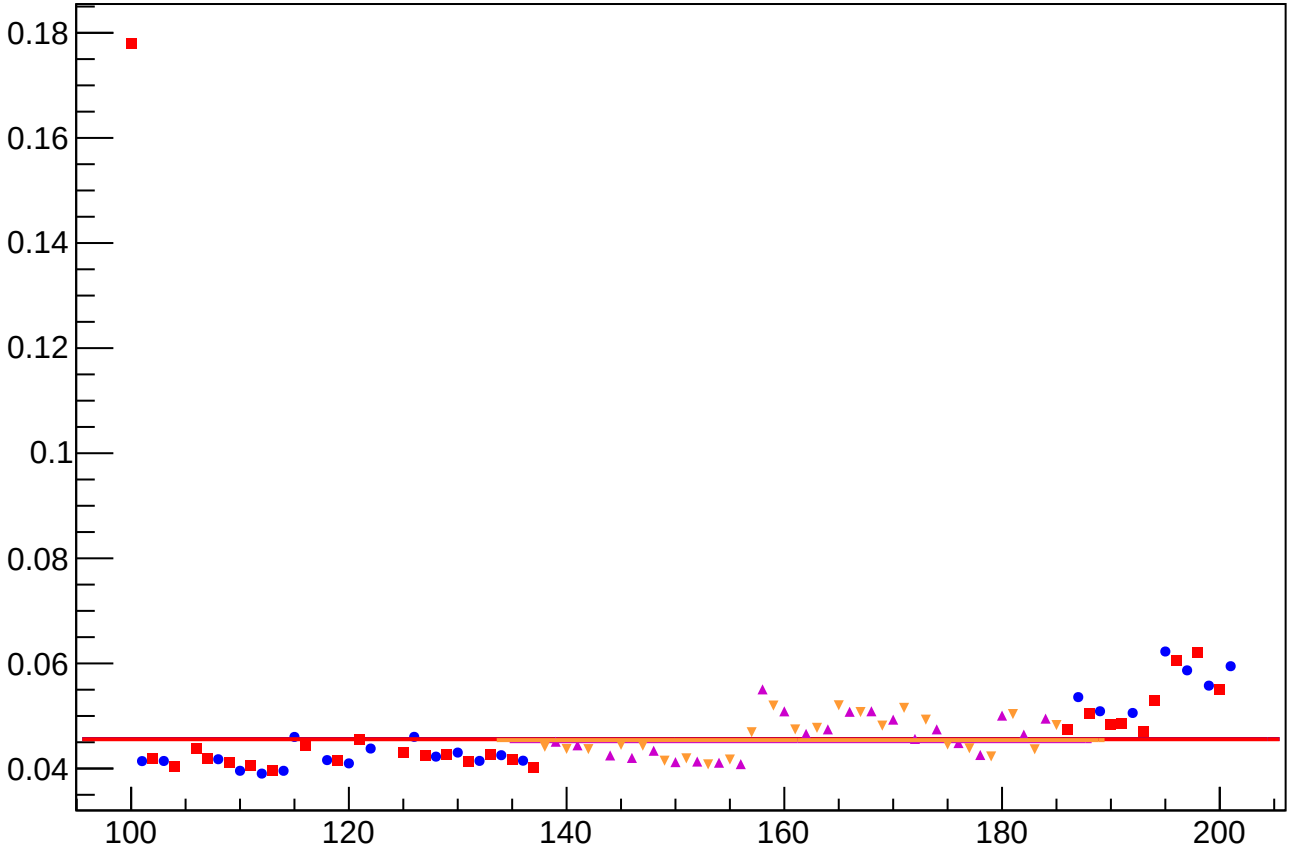
Right: -26.502+/-0.000 χ^2/NDF: 35933192615.5/49

In: -25.397+/-0.000 χ^2/NDF:33441320318.8/45

Out: -25.396+/-0.000 χ^2/NDF:45196317362.4/50

All: -25.396+/-0.000 χ^2/NDF: 78637641590.8

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: 530303.2/26

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

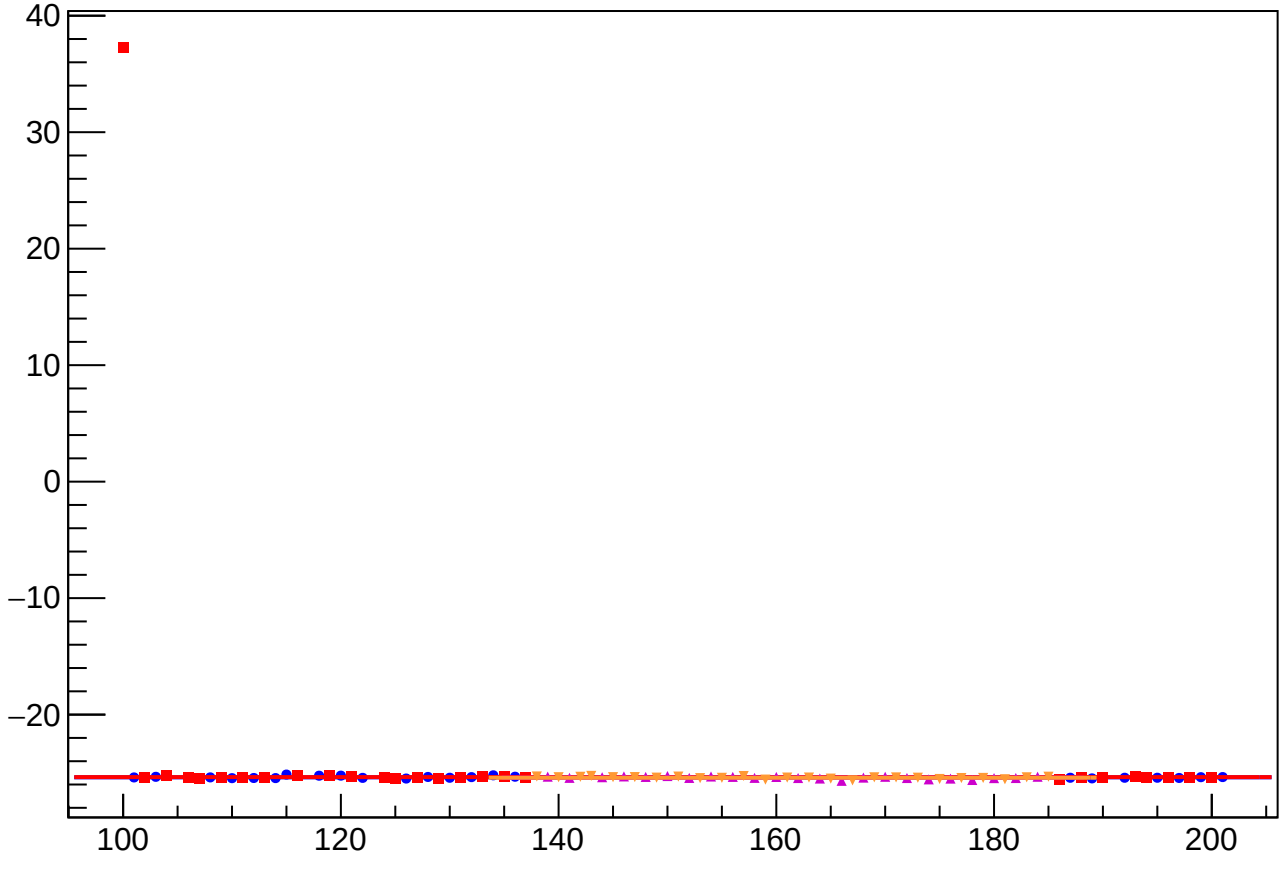
Right: 0.046+/-0.000 χ^2/NDF: 1052600.7/49

In: 0.045+/-0.000 χ^2/NDF:768150.9/45

Out: 0.045+/-0.000 χ^2/NDF:736056.1/50

All: 0.045+/-0.000 χ^2/NDF: 1504378.5/96

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: -25.365+/-0.000 χ^2/NDF: 6329170678.5/26

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

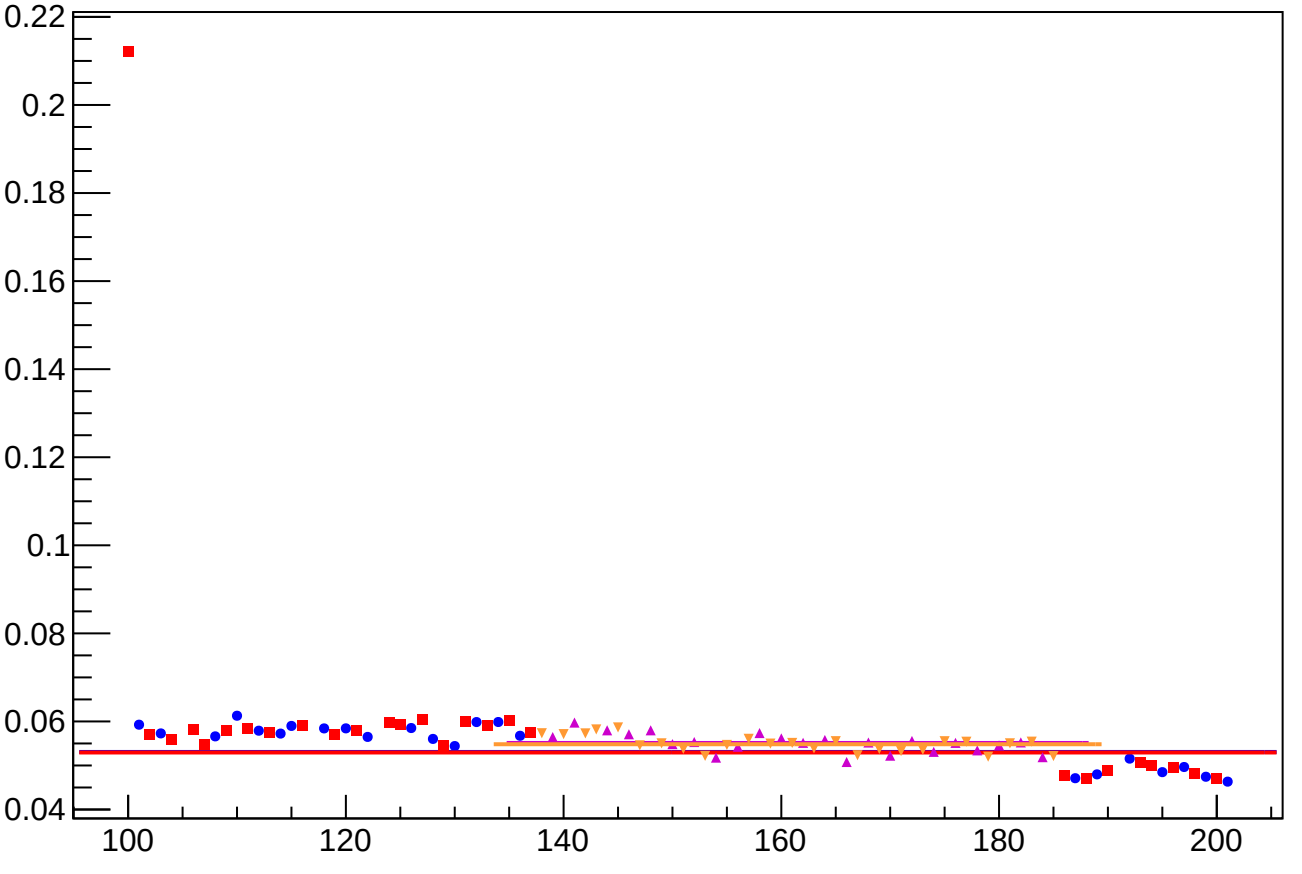
Right: -25.374+/-0.000 χ^2/NDF: 6348531803.5/49

In: -25.402+/-0.000 χ^2/NDF:76461131.8/45

Out: -25.395+/-0.000 χ^2/NDF:6388623977.4/51

All: -25.398+/-0.000 χ^2/NDF: 6465361700.7/

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: 302234.8/26

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

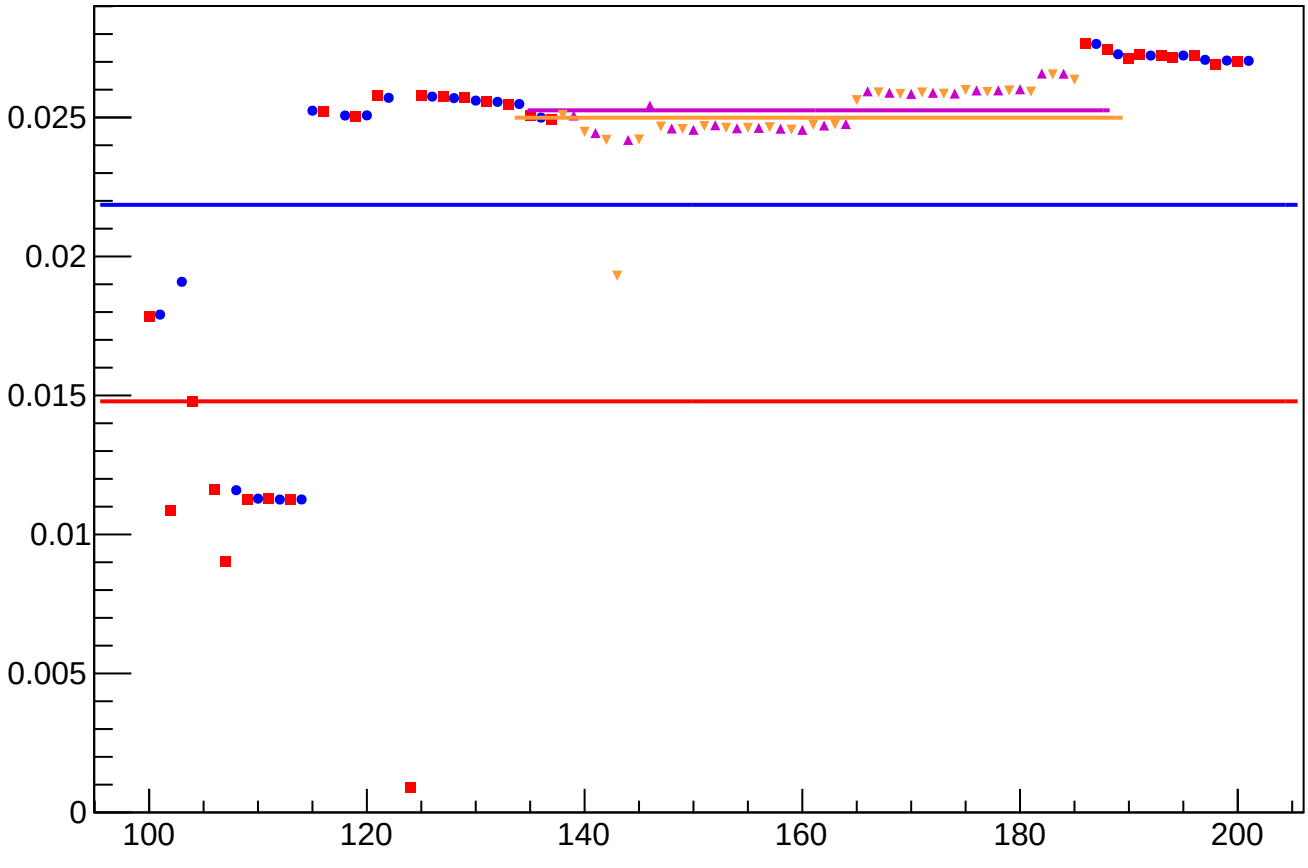
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.053+/-0.000 χ^2/NDF: 505060.1/49

In: 0.054+/-0.000 χ^2/NDF:274724.5/45

Out: 0.054+/-0.000 χ^2/NDF:358883.2/51

All: 0.054+/-0.000 χ^2/NDF: 634149.7/97



Right In: 0.022+/-0.000 χ^2/NDF: 84145851971.7/22

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.015+/-0.000 χ^2/NDF: 386964430908.5/27

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

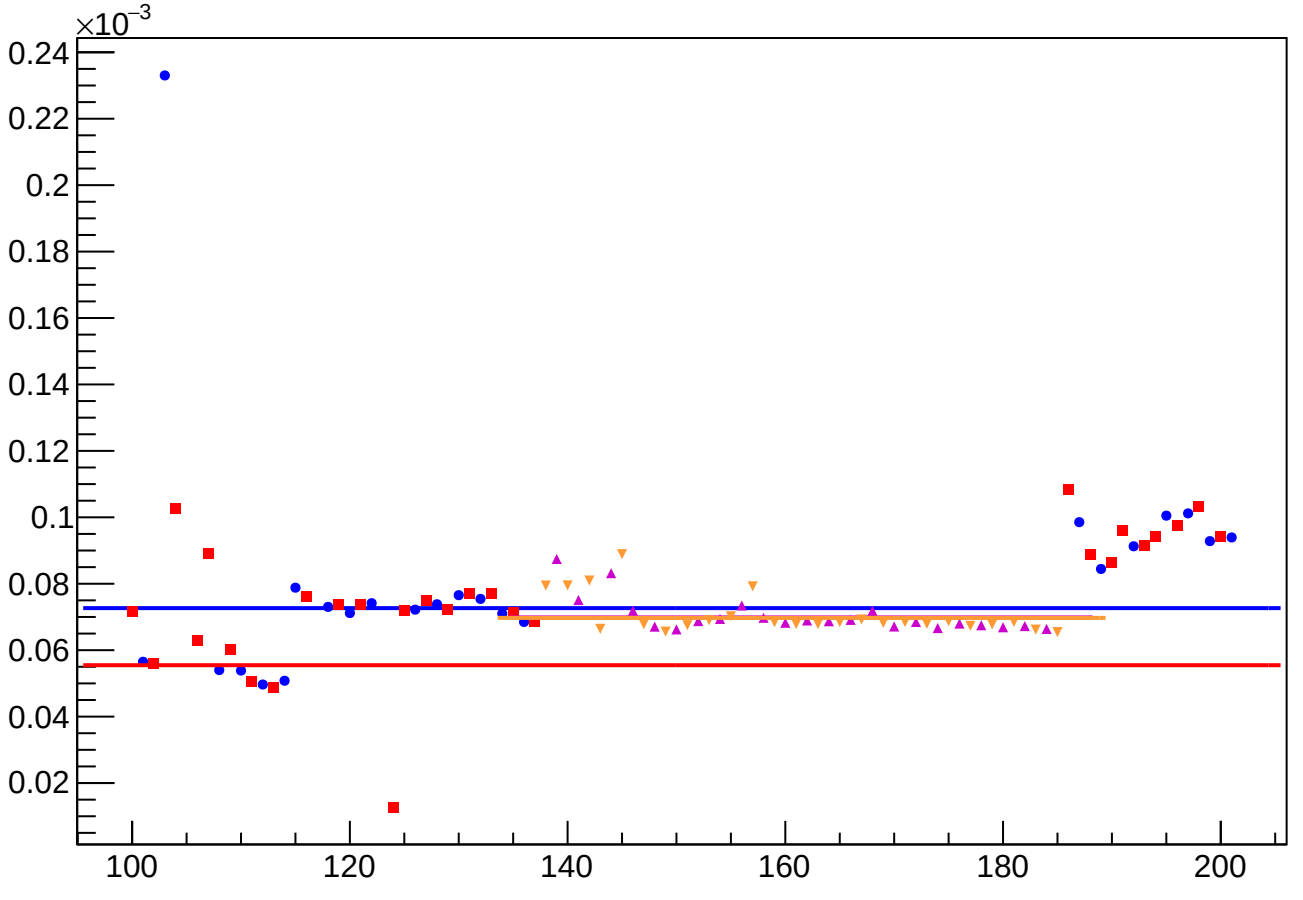
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.018+/-0.000 χ^2/NDF: 534891404951.4/50

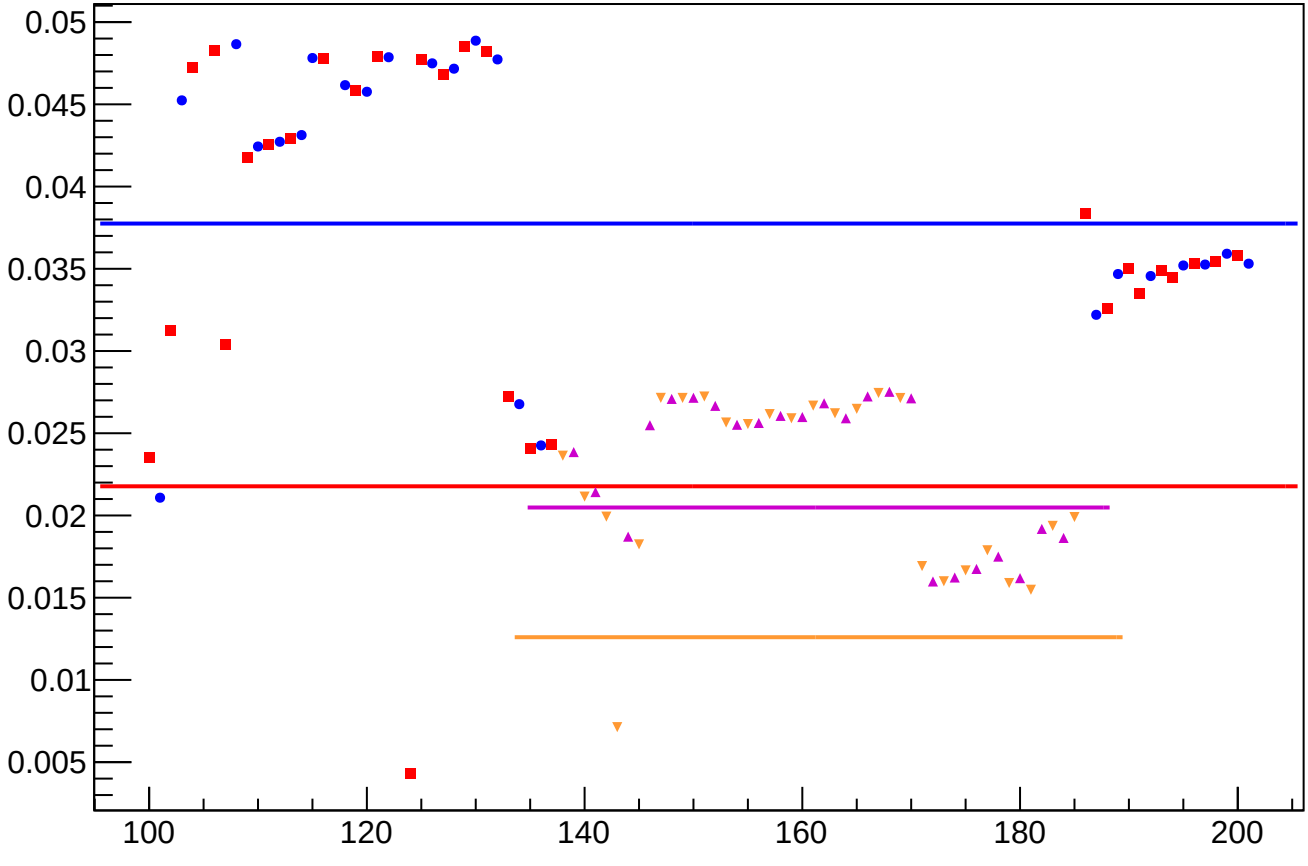
In: 0.024+/-0.000 χ^2/NDF:101586758724.8/45

Out: 0.020+/-0.000 χ^2/NDF:577767510197.6/52

All: 0.022+/-0.000 χ^2/NDF: 721327067188.3


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 1557830.1/22
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6464369.5/27
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 8776078.7/50
In: 0.000+/-0.000 χ²/NDF:1731236.2/45
Out: 0.000+/-0.000 χ²/NDF:7366375.8/52
All: 0.000+/-0.000 χ²/NDF: 9465743.4/98

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: 45247331673.3/27

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

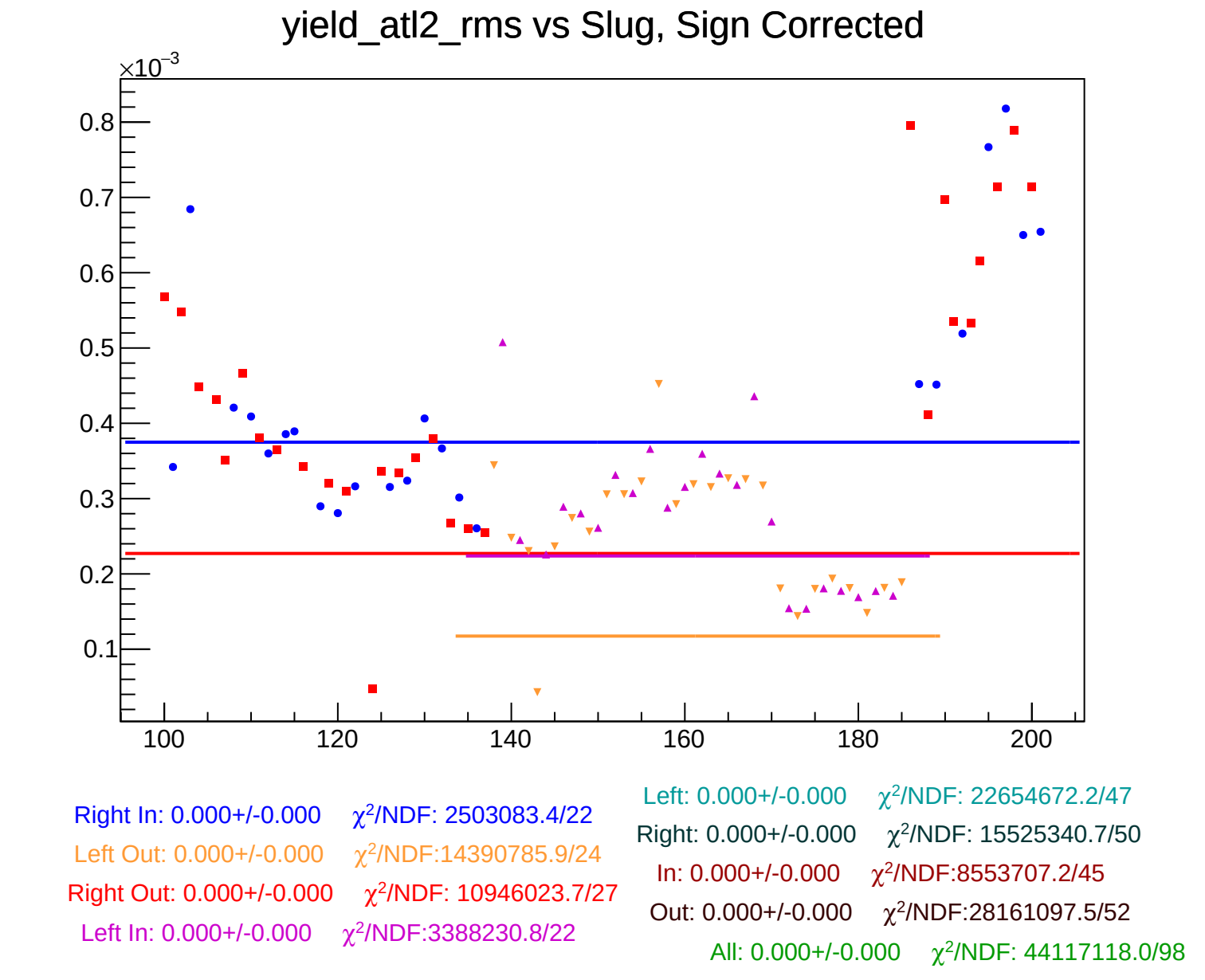
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64600172093.5/50

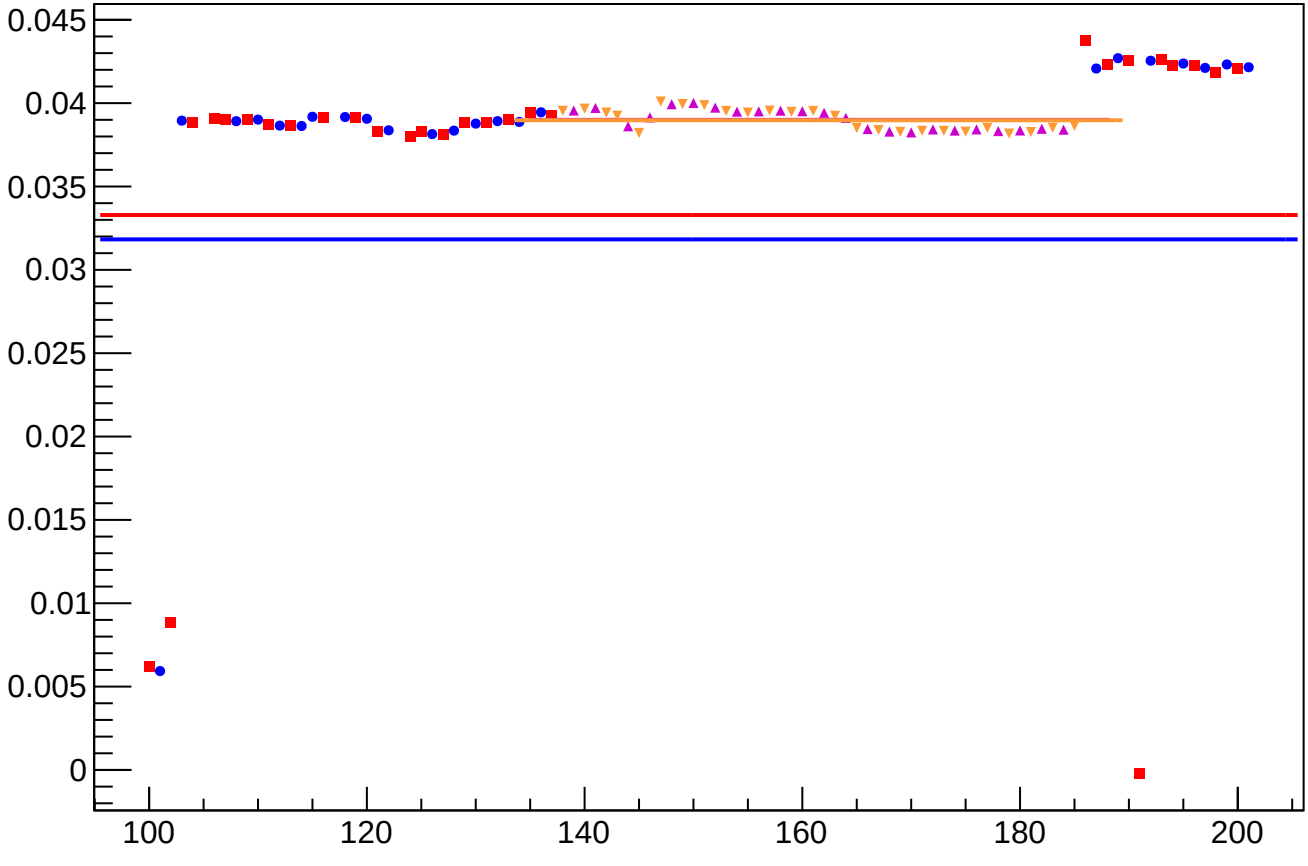
In: 0.024+/-0.000 χ^2/NDF:30698179833.5/45

Out: 0.014+/-0.000 χ^2/NDF:92461203948.4/52

All: 0.017+/-0.000 χ^2/NDF: 148441046697.0


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2503083.4/22
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10946023.7/27
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 15525340.7/50
In: 0.000+/-0.000 χ²/NDF:8553707.2/45
Out: 0.000+/-0.000 χ²/NDF:28161097.5/52
All: 0.000+/-0.000 χ²/NDF: 44117118.0/98

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: 113272484145.0/27

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

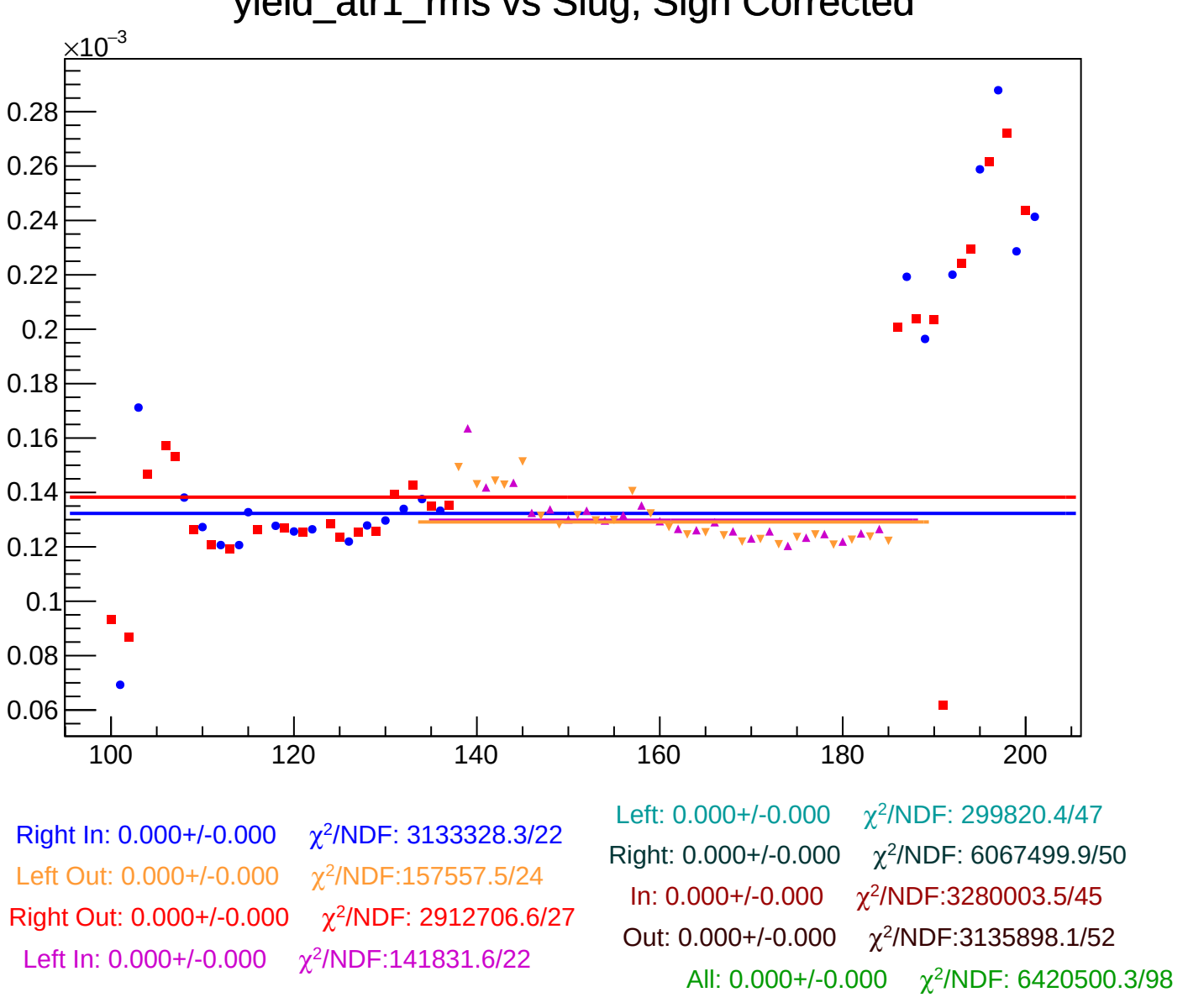
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.033+/-0.000 χ^2/NDF: 233849741472.9/50

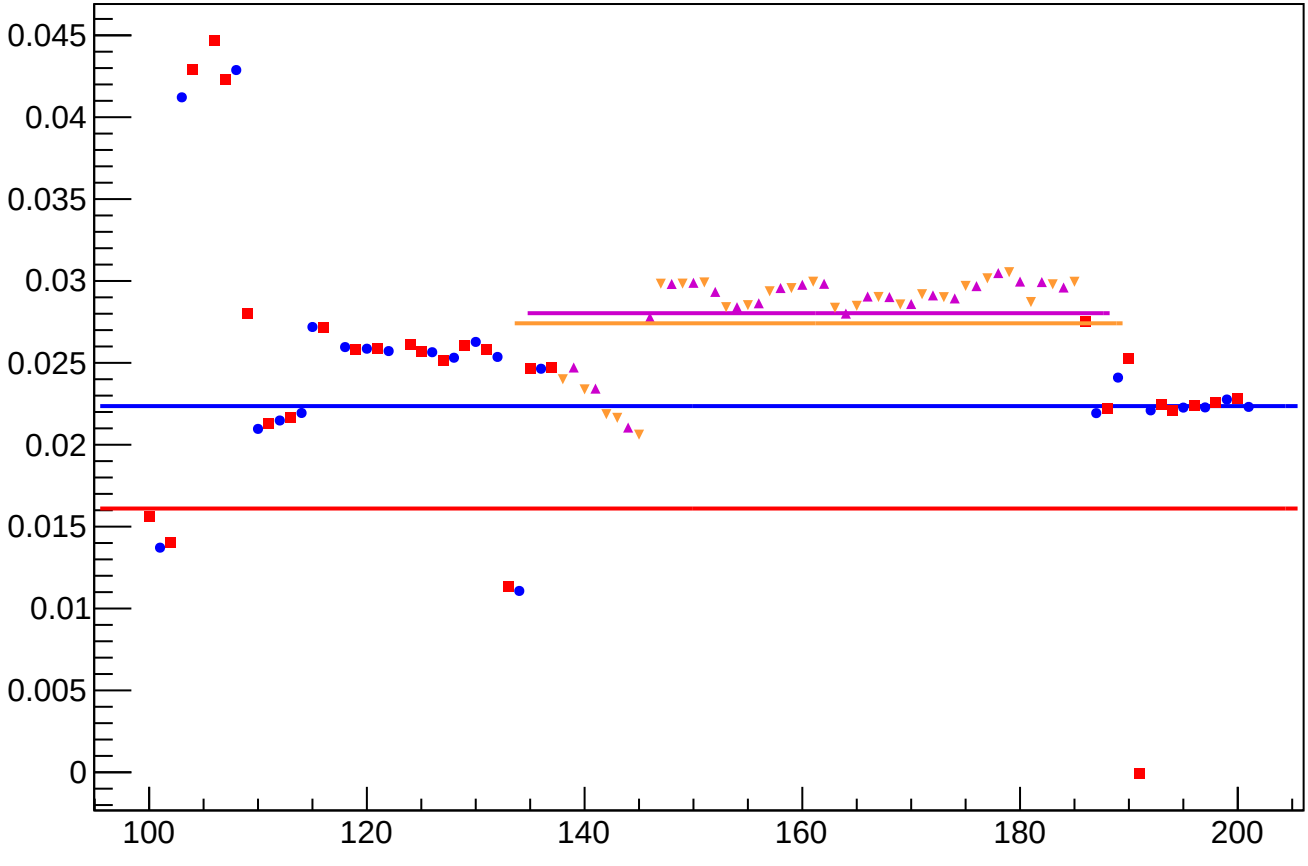
In: 0.036+/-0.000 χ^2/NDF:139967374903.2/45

Out: 0.037+/-0.000 χ^2/NDF:126494508572.1/52

All: 0.037+/-0.000 χ^2/NDF: 266742342251.7


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3133328.3/22
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2912706.6/27
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 6067499.9/50
In: 0.000+/-0.000 χ²/NDF:3280003.5/45
Out: 0.000+/-0.000 χ²/NDF:3135898.1/52
All: 0.000+/-0.000 χ²/NDF: 6420500.3/98

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: 25071219235.3/27

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

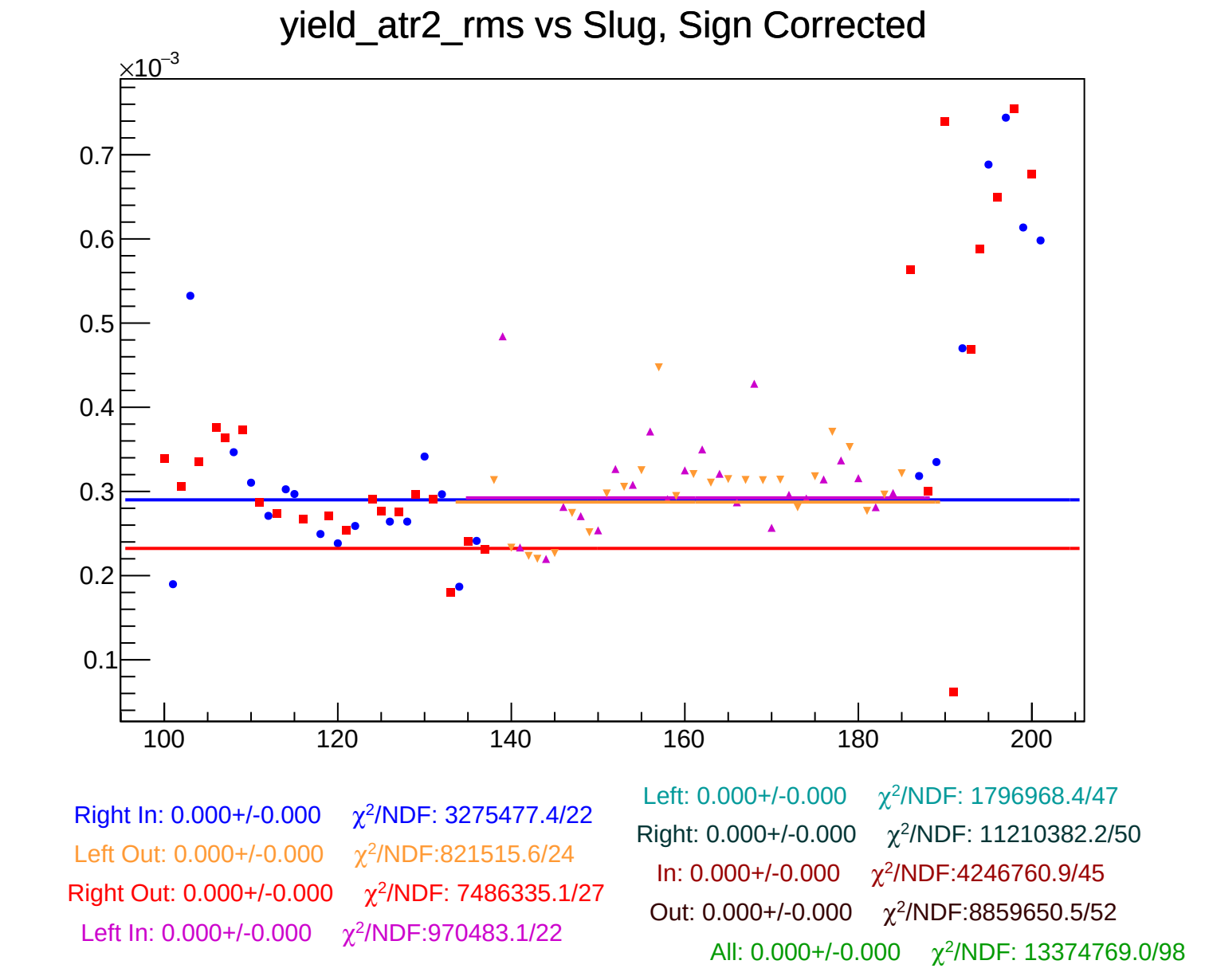
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 32731540780.9/50

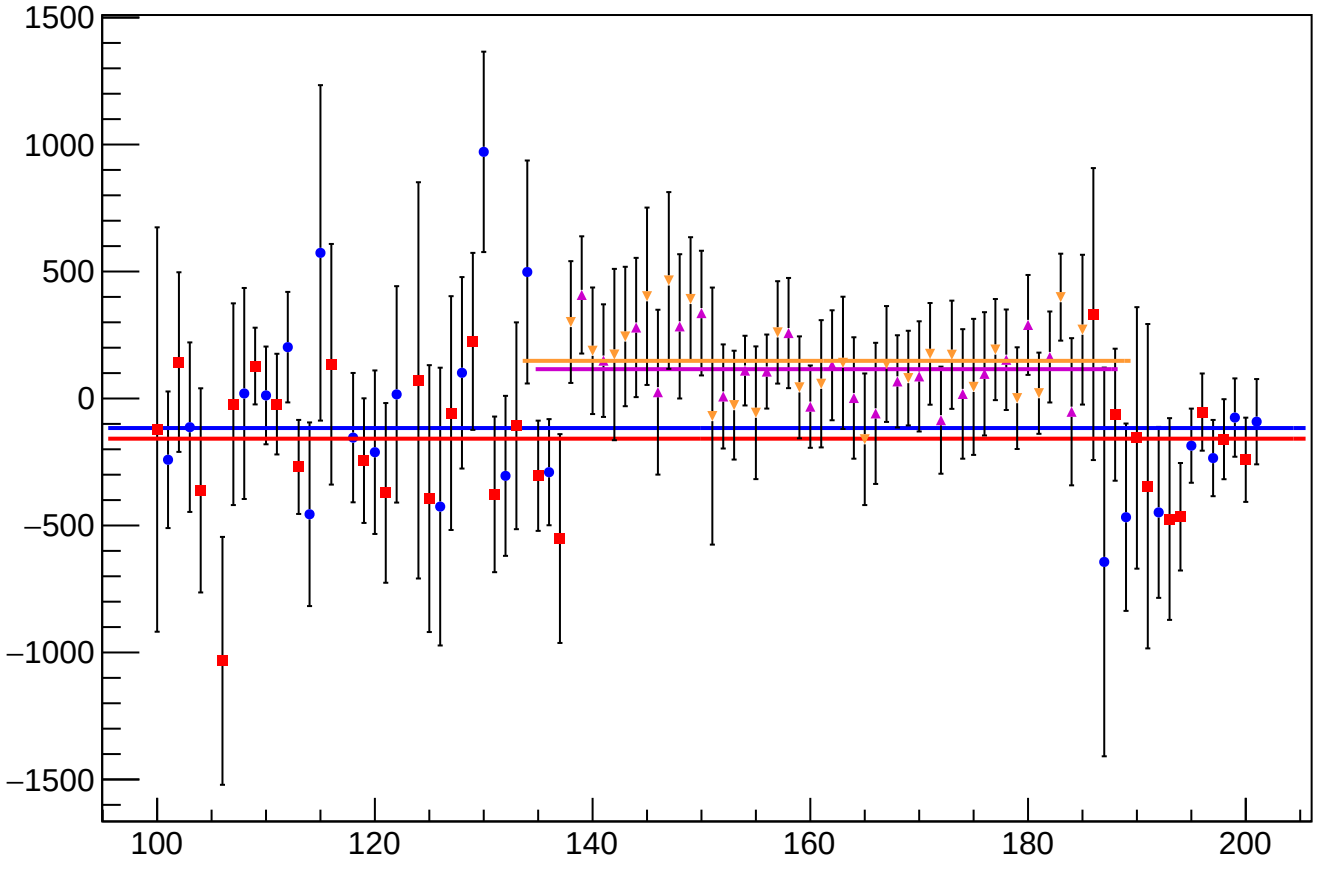
In: 0.026+/-0.000 χ^2/NDF:8837287118.5/45

Out: 0.022+/-0.000 χ^2/NDF:38950212977.1/52

All: 0.024+/-0.000 χ^2/NDF: 49793585591.2/9


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: 7486335.1/27
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: 11210382.2/50
In: 0.000+/-0.000 χ²/NDF:4246760.9/45
Out: 0.000+/-0.000 χ²/NDF:8859650.5/52
All: 0.000+/-0.000 χ²/NDF: 13374769.0/98

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: -158.186+/-50.733 χ^2/NDF: 17.5/27

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

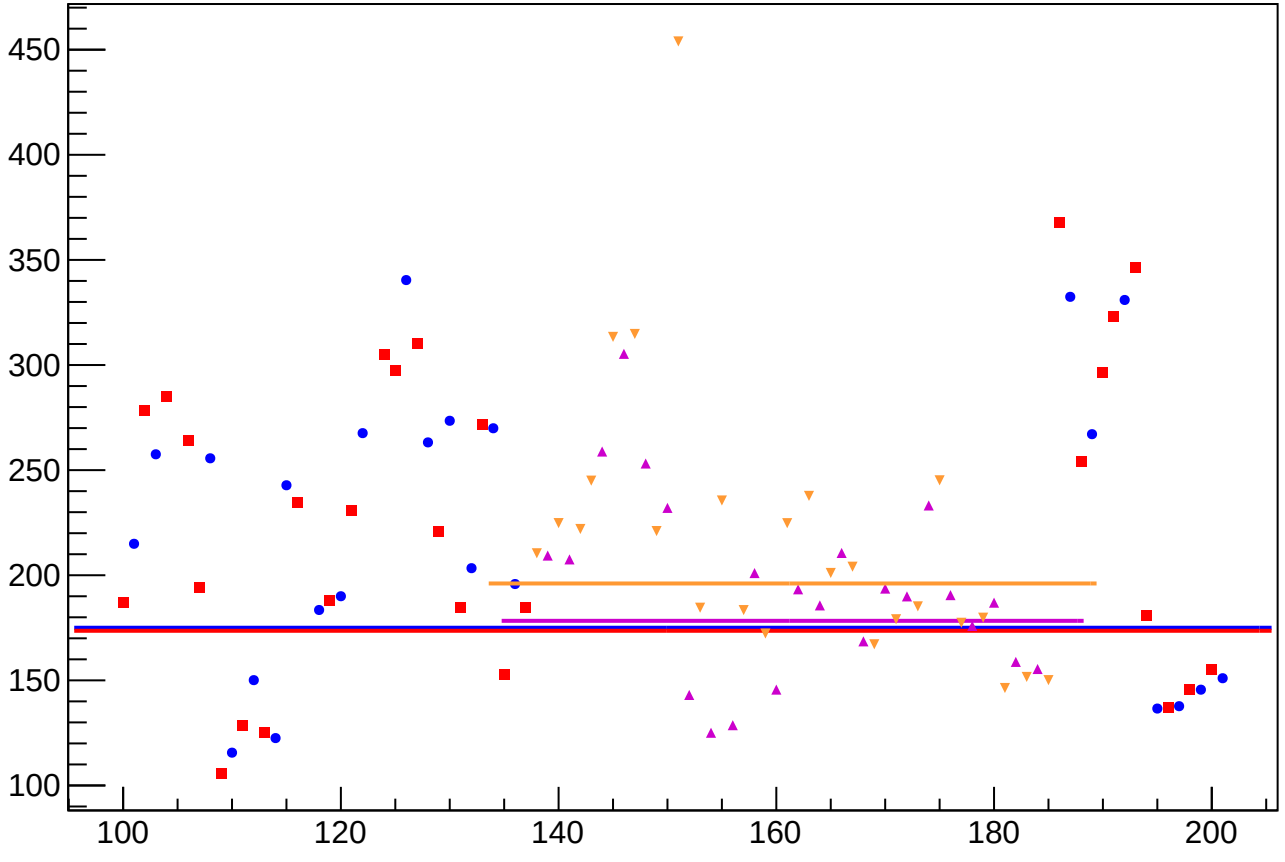
Right: -138.079+/-36.578 χ^2/NDF: 37.4/50

In: 21.560+/-33.601 χ^2/NDF:38.9/45

Out: 9.281+/-34.167 χ^2/NDF:47.8/52

All: 15.523+/-23.957 χ^2/NDF: 86.7/98

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: 173.586+/-0.036 χ^2/NDF: 2887772.7/27

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

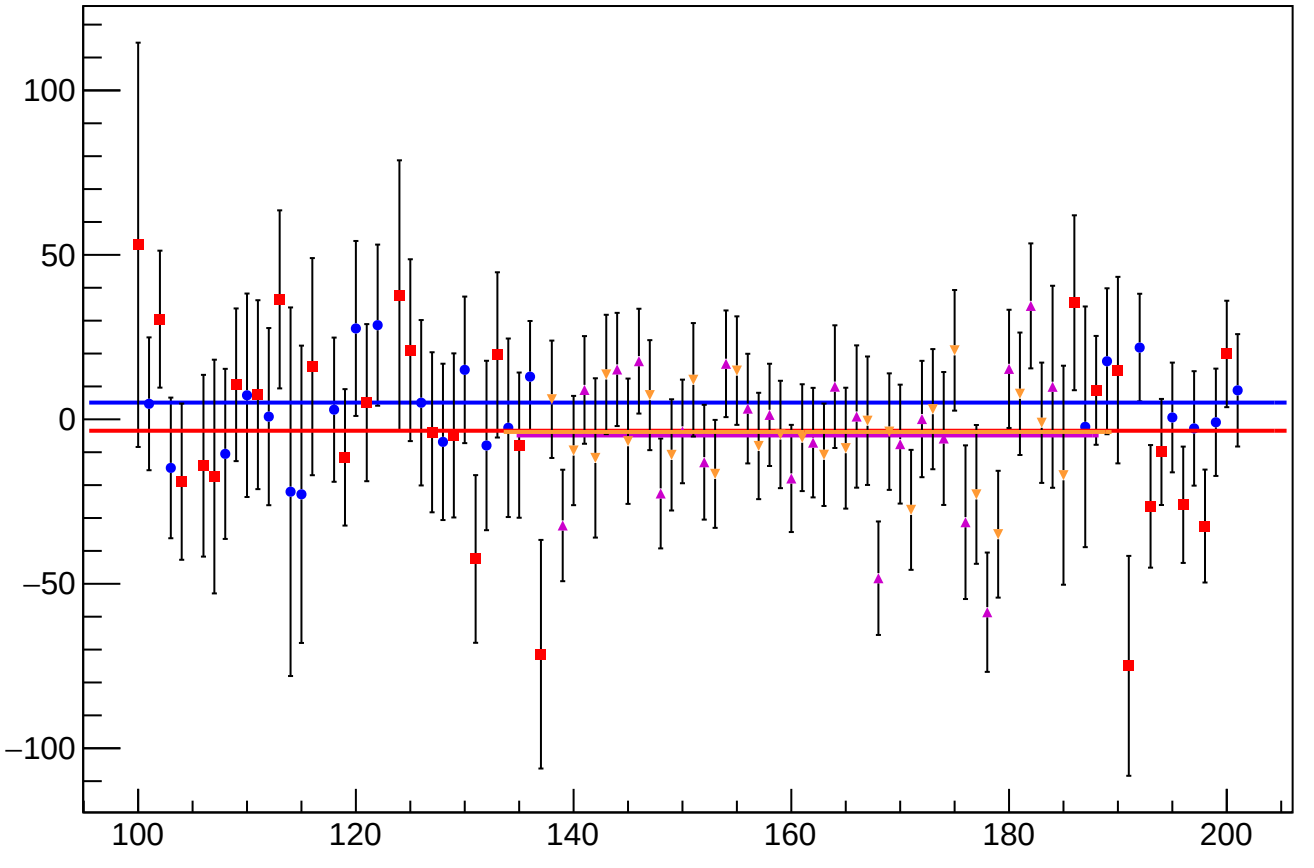
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 174.279+/-0.026 χ^2/NDF: 5072145.5/50

In: 176.985+/-0.024 χ^2/NDF:3866549.8/45

Out: 185.882+/-0.024 χ^2/NDF:4921247.5/52

All: 181.359+/-0.017 χ^2/NDF: 8856727.2/98



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: -3.469+/-4.410 χ^2/NDF: 32.3/27

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

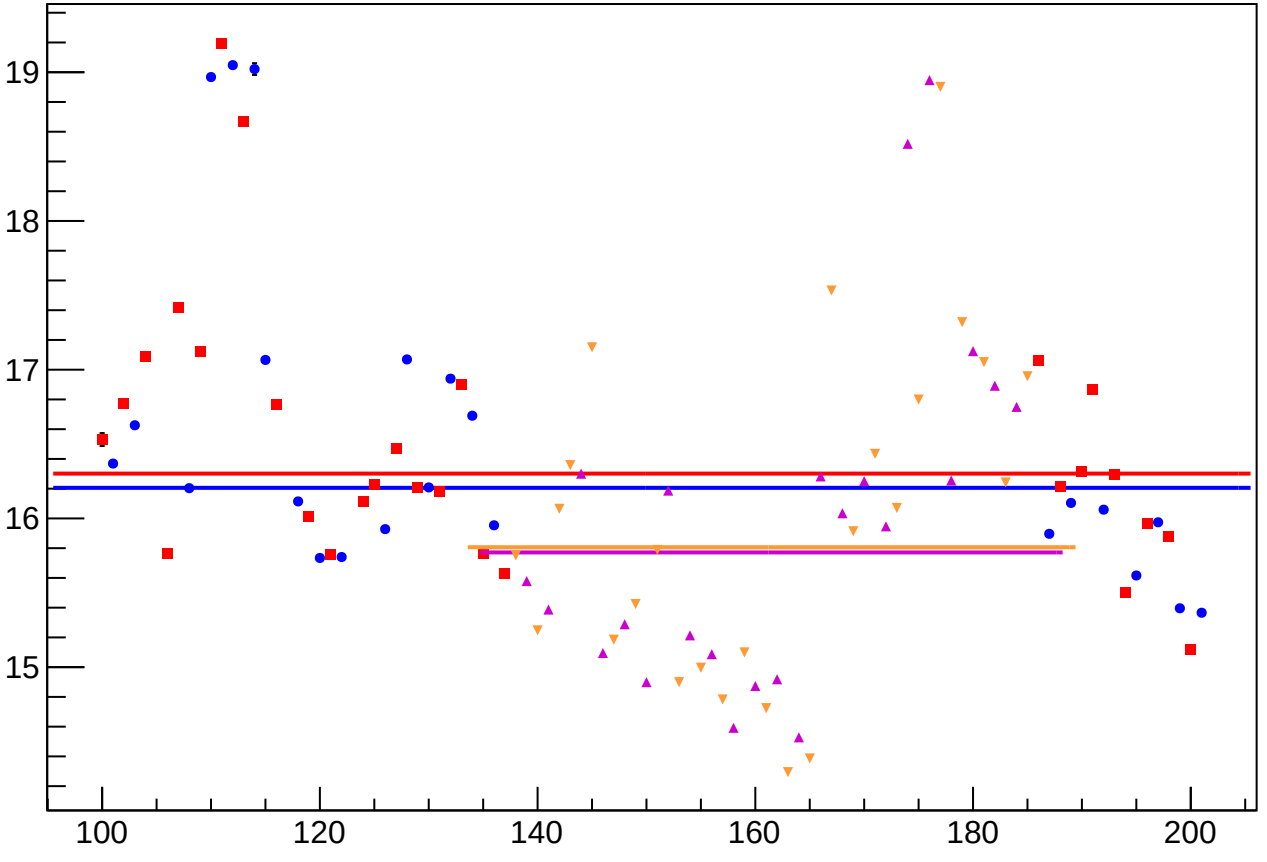
Right: 0.611+/-3.190 χ^2/NDF: 40.5/50

In: -1.004+/-2.886 χ^2/NDF:43.1/45

Out: -3.688+/-2.790 χ^2/NDF:45.2/52

All: -2.391+/-2.006 χ^2/NDF: 88.7/98

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: 16.301+/-0.003 χ^2/NDF: 68947.9/27

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

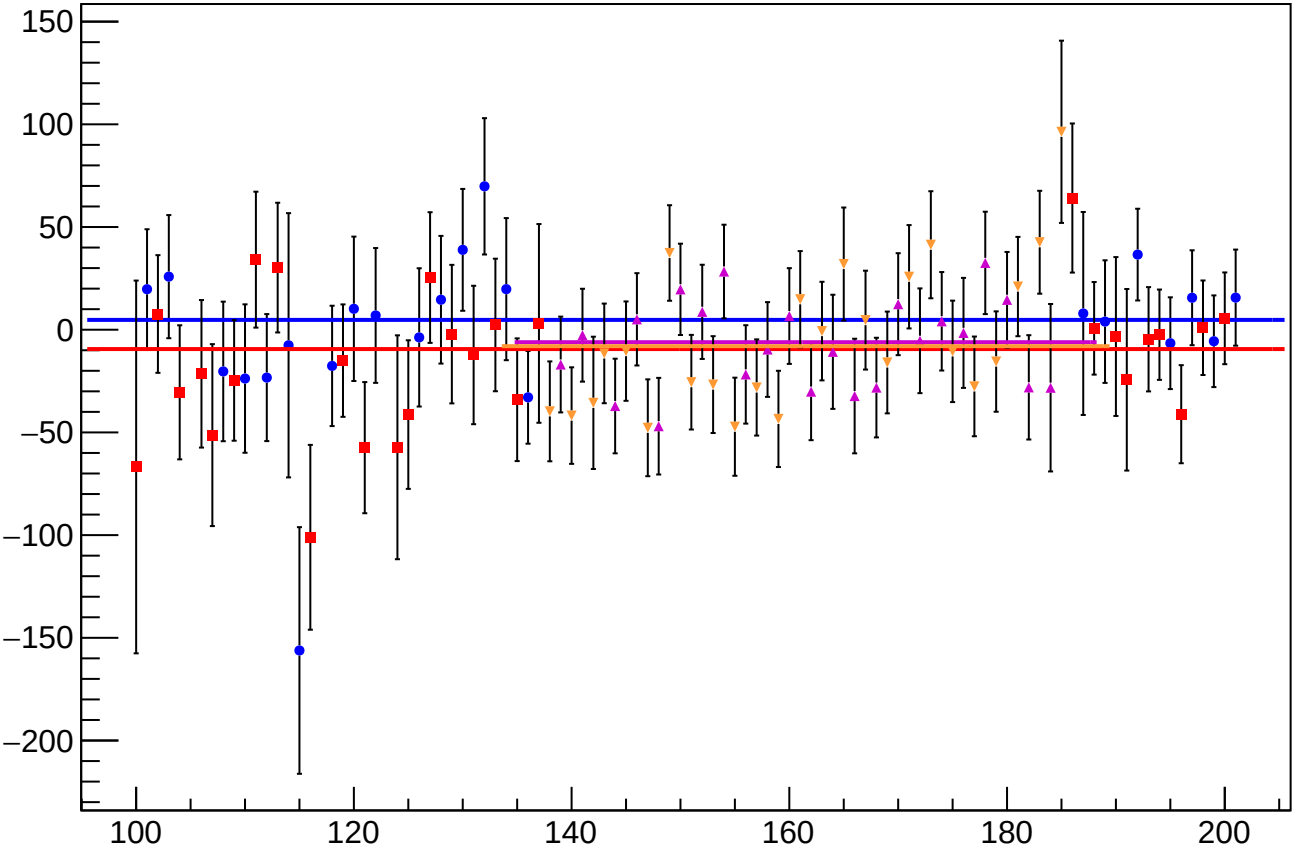
Right: 16.256+/-0.002 χ^2/NDF: 134232.9/50

In: 15.941+/-0.002 χ^2/NDF:227751.2/45

Out: 16.004+/-0.002 χ^2/NDF:256717.4/52

All: 15.974+/-0.001 χ^2/NDF: 484970.7/98

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: -9.416+/-5.873 χ^2/NDF: 22.9/27

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

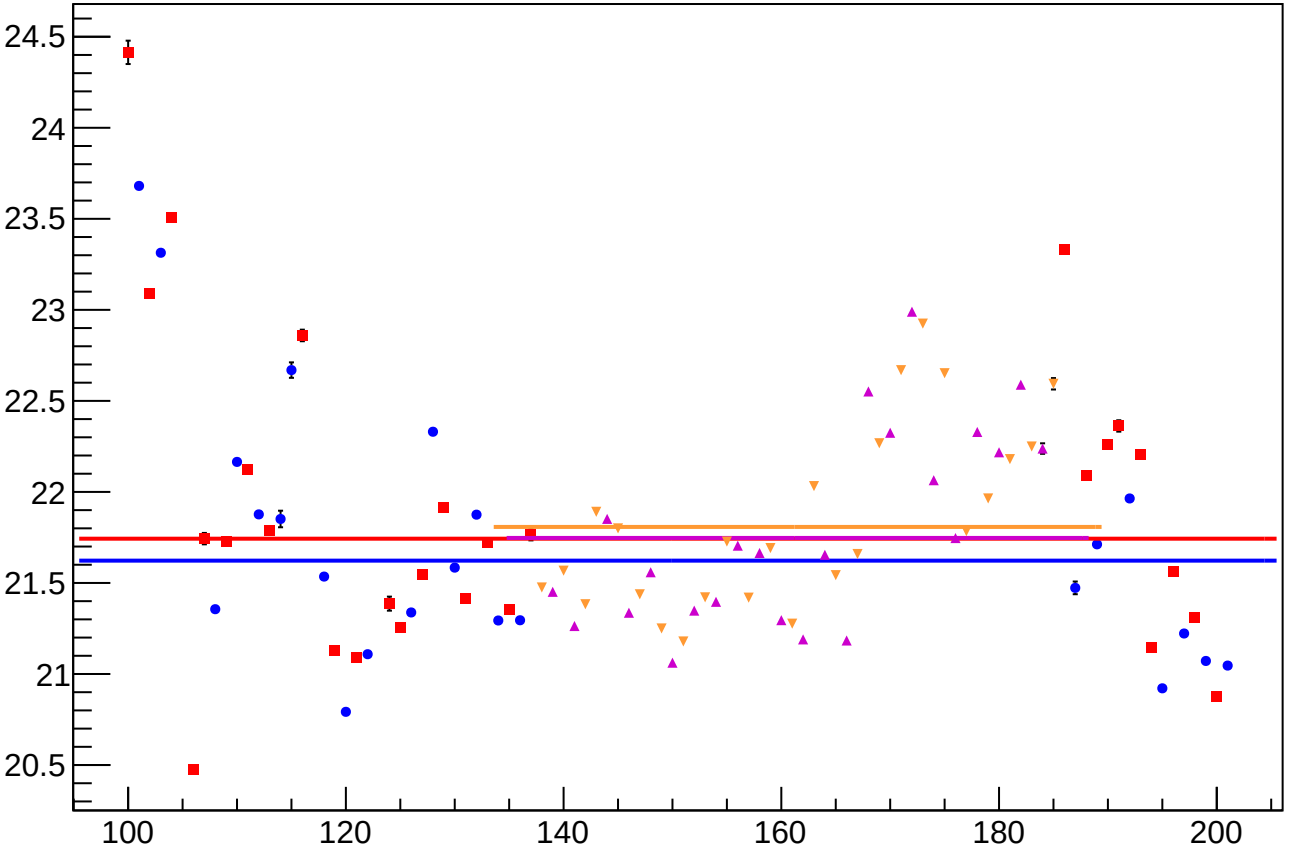
Right: -2.648+/-4.249 χ^2/NDF: 47.5/50

In: -1.682+/-3.918 χ^2/NDF:41.6/45

Out: -8.598+/-3.788 χ^2/NDF:61.8/52

All: -5.257+/-2.723 χ^2/NDF: 105.0/98

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: 21.743+/-0.004 χ^2/NDF: 29980.2/27

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

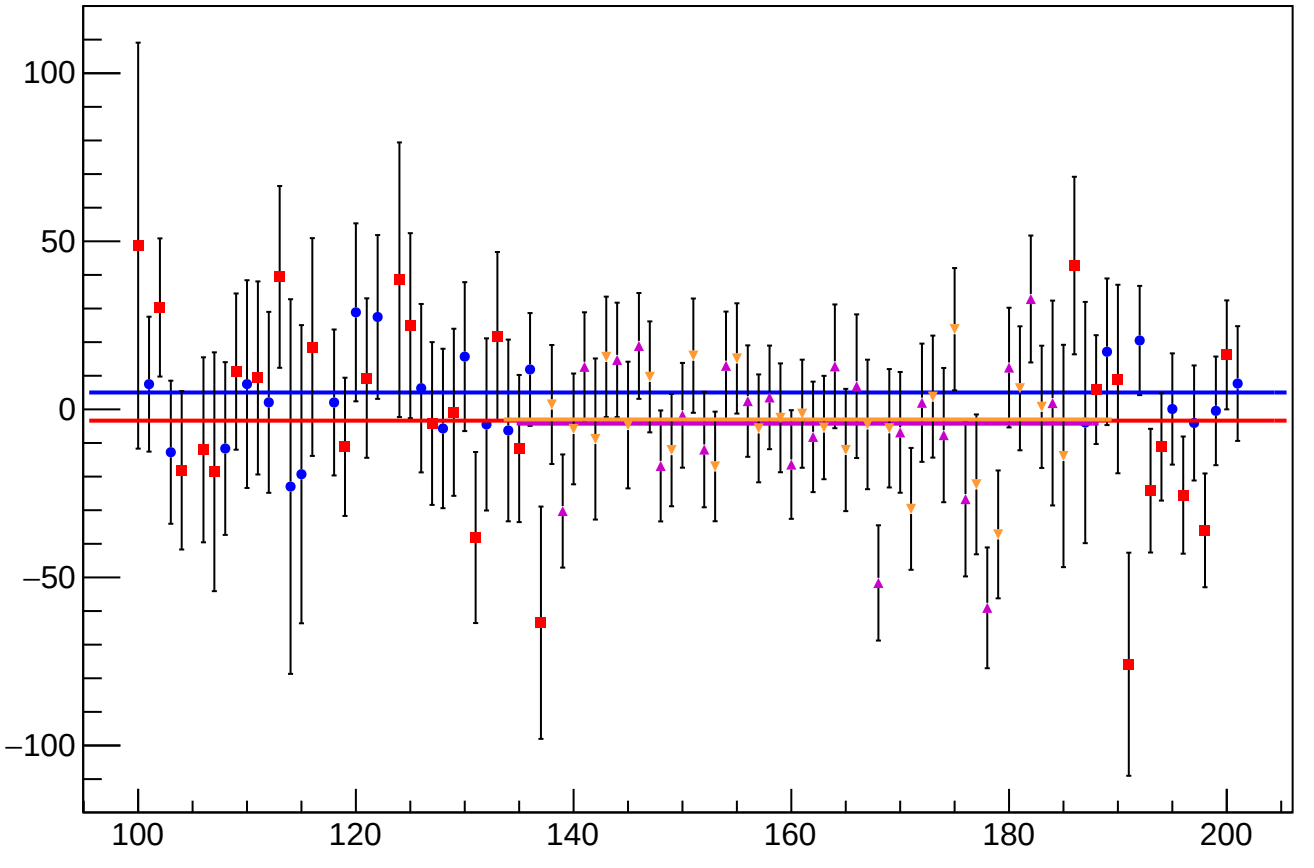
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.686+/-0.003 χ^2/NDF: 57058.9/50

In: 21.697+/-0.003 χ^2/NDF:47726.4/45

Out: 21.781+/-0.003 χ^2/NDF:47682.5/52

All: 21.740+/-0.002 χ^2/NDF: 95885.2/98



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: -3.353+/-4.373 χ^2/NDF: 32.9/27

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

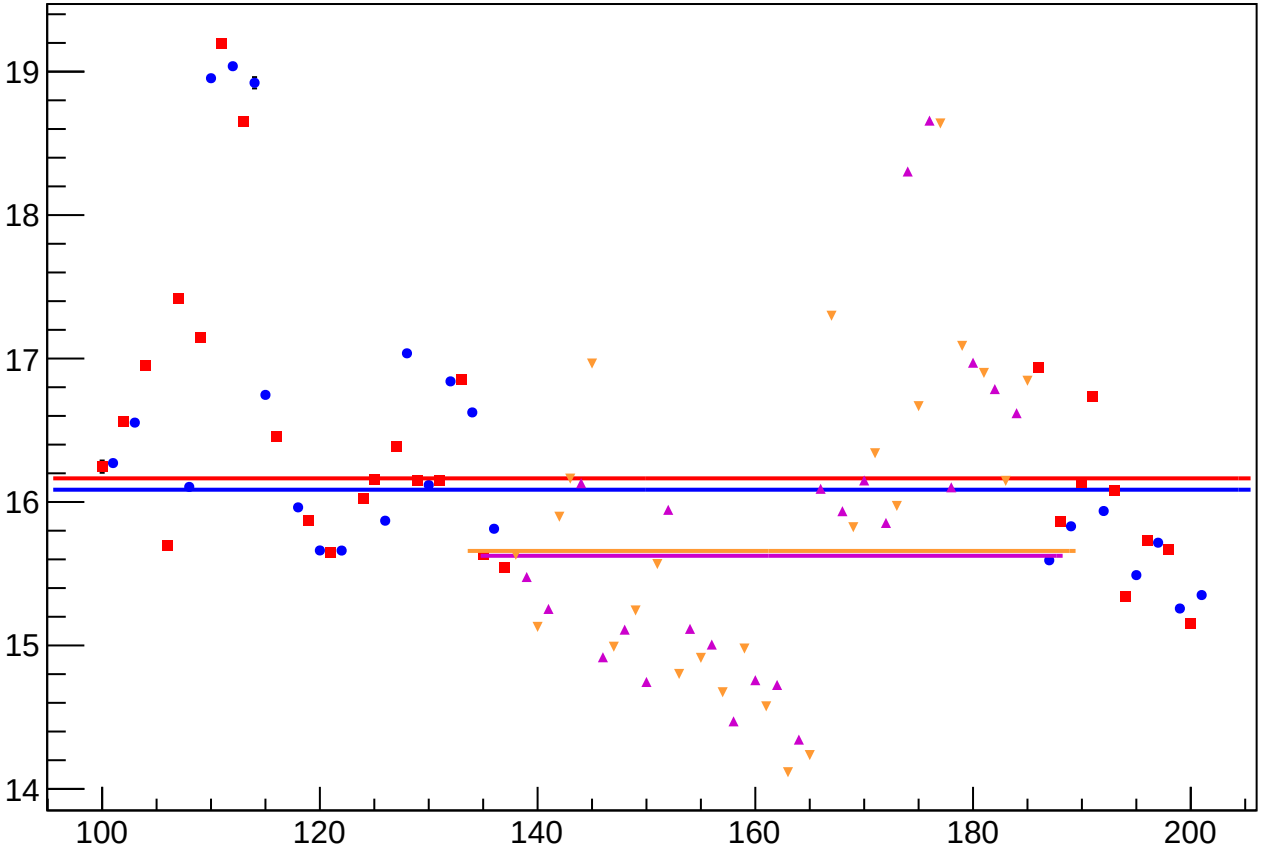
Right: 0.637+/-3.165 χ^2/NDF: 40.7/50

In: -0.640+/-2.861 χ^2/NDF:42.4/45

Out: -3.142+/-2.765 χ^2/NDF:47.5/52

All: -1.934+/-1.988 χ^2/NDF: 90.4/98

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: 16.165+/-0.003 χ^2/NDF: 72927.6/27

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

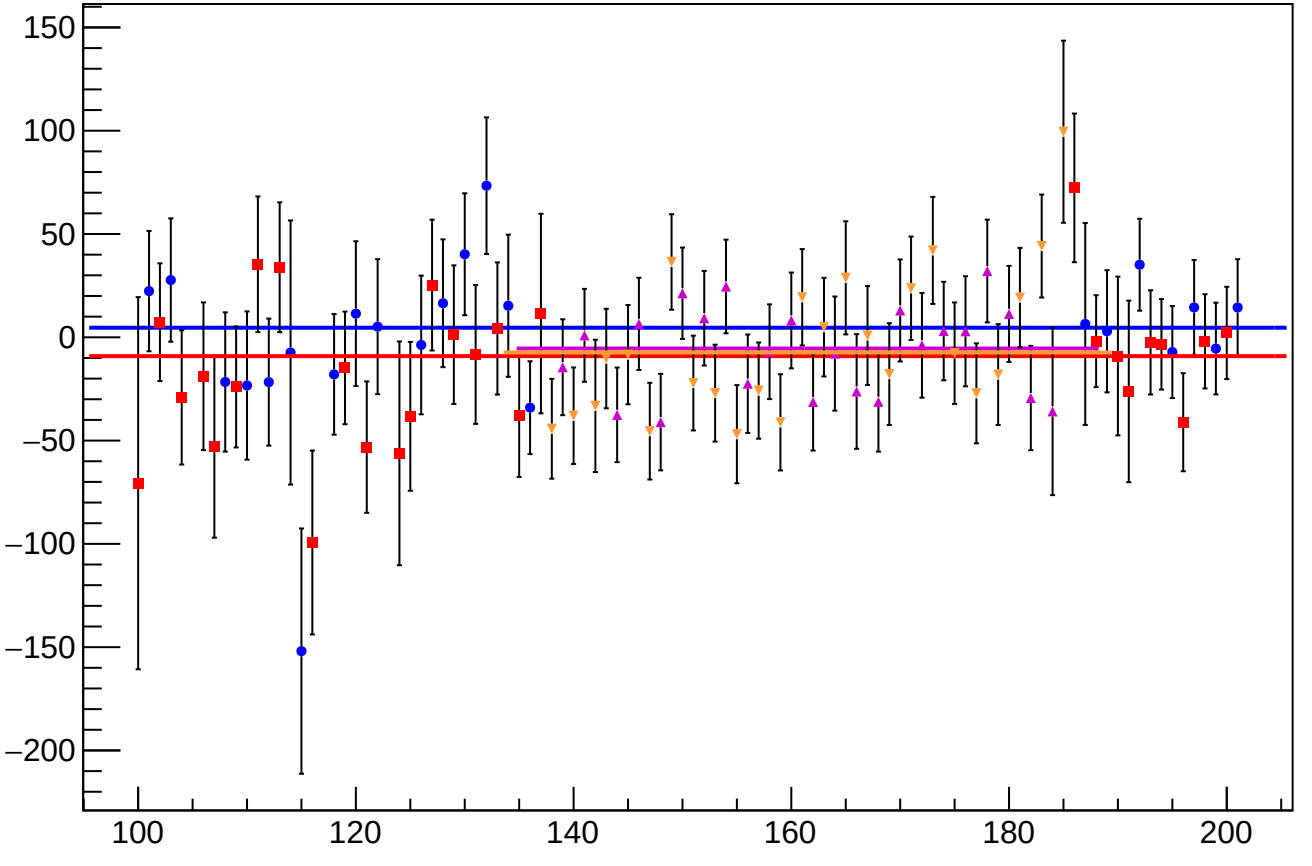
Right: 16.127+/-0.002 χ^2/NDF: 142186.2/50

In: 15.804+/-0.002 χ^2/NDF:231702.1/45

Out: 15.861+/-0.002 χ^2/NDF:258827.0/52

All: 15.834+/-0.001 χ^2/NDF: 490937.2/98

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: -9.118+/-5.841 χ^2/NDF: 23.9/27

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

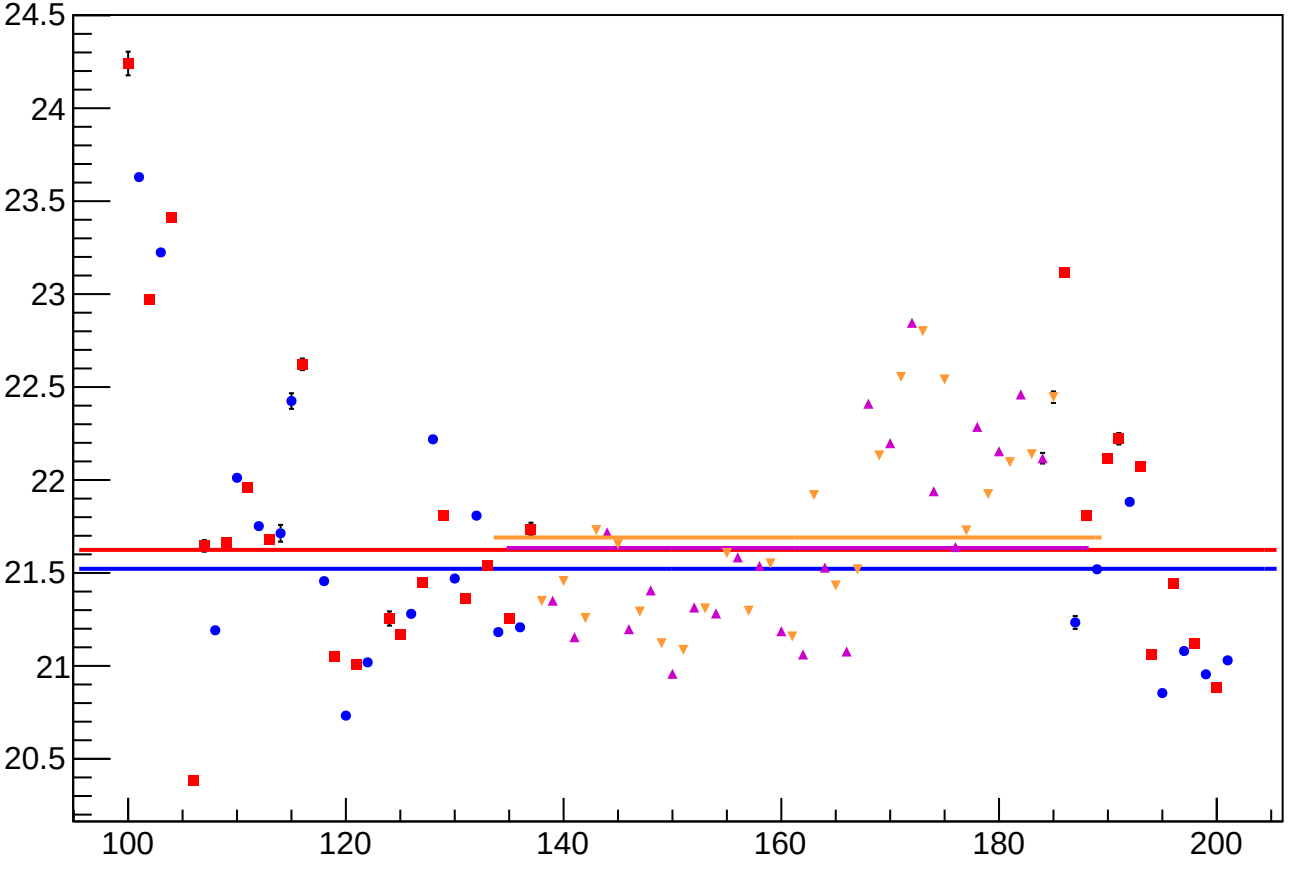
Right: -2.567+/-4.228 χ^2/NDF: 48.9/50

In: -1.356+/-3.898 χ^2/NDF:41.2/45

Out: -8.067+/-3.767 χ^2/NDF:62.6/52

All: -4.826+/-2.709 χ^2/NDF: 105.3/98

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: 21.624+/-0.004 χ^2/NDF: 27983.9/27

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

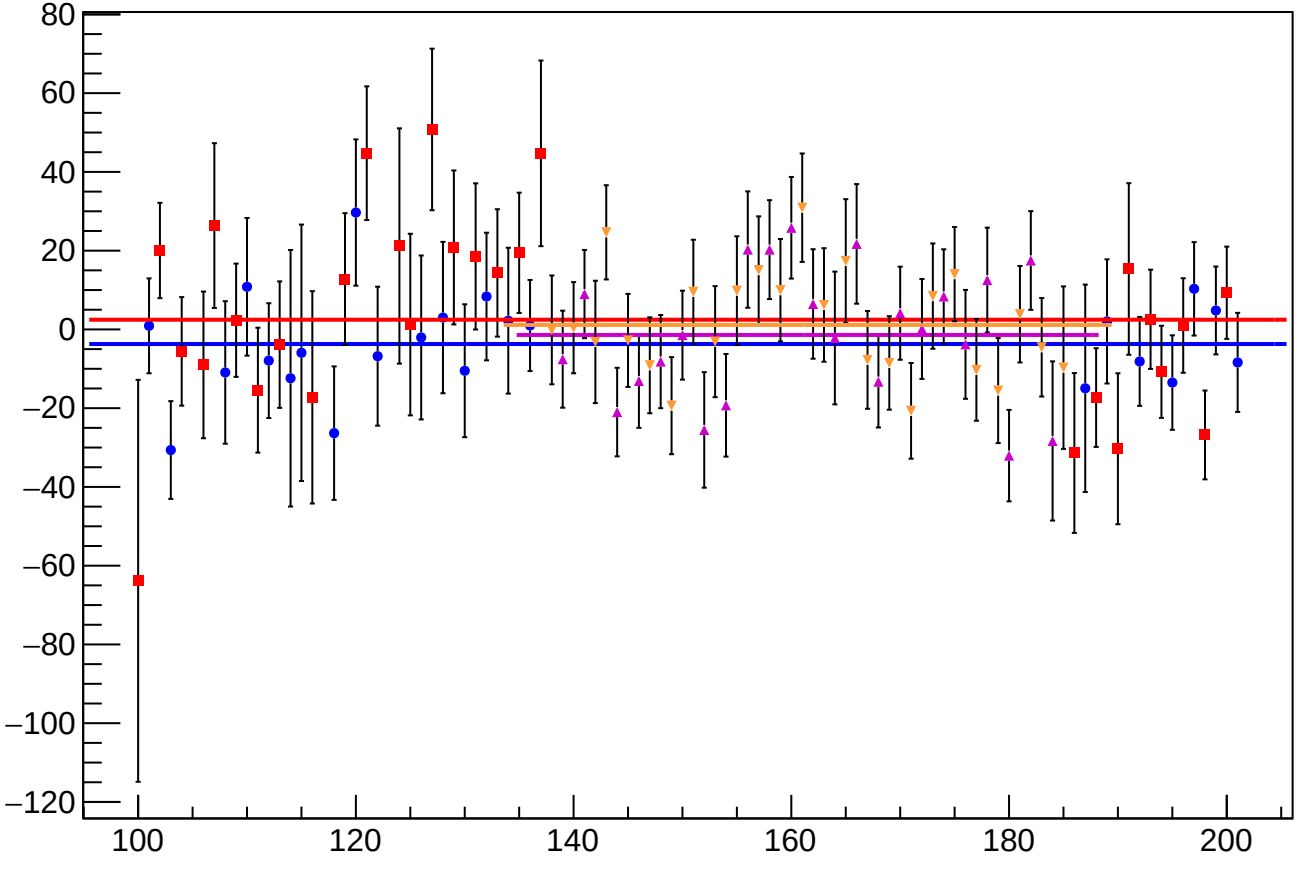
Right: 21.576+/-0.003 χ^2/NDF: 55083.7/50

In: 21.589+/-0.003 χ^2/NDF:47771.4/45

Out: 21.663+/-0.003 χ^2/NDF:46071.6/52

All: 21.627+/-0.002 χ^2/NDF: 94215.7/98

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: 2.464+/-3.031 χ^2/NDF: 43.8/27

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

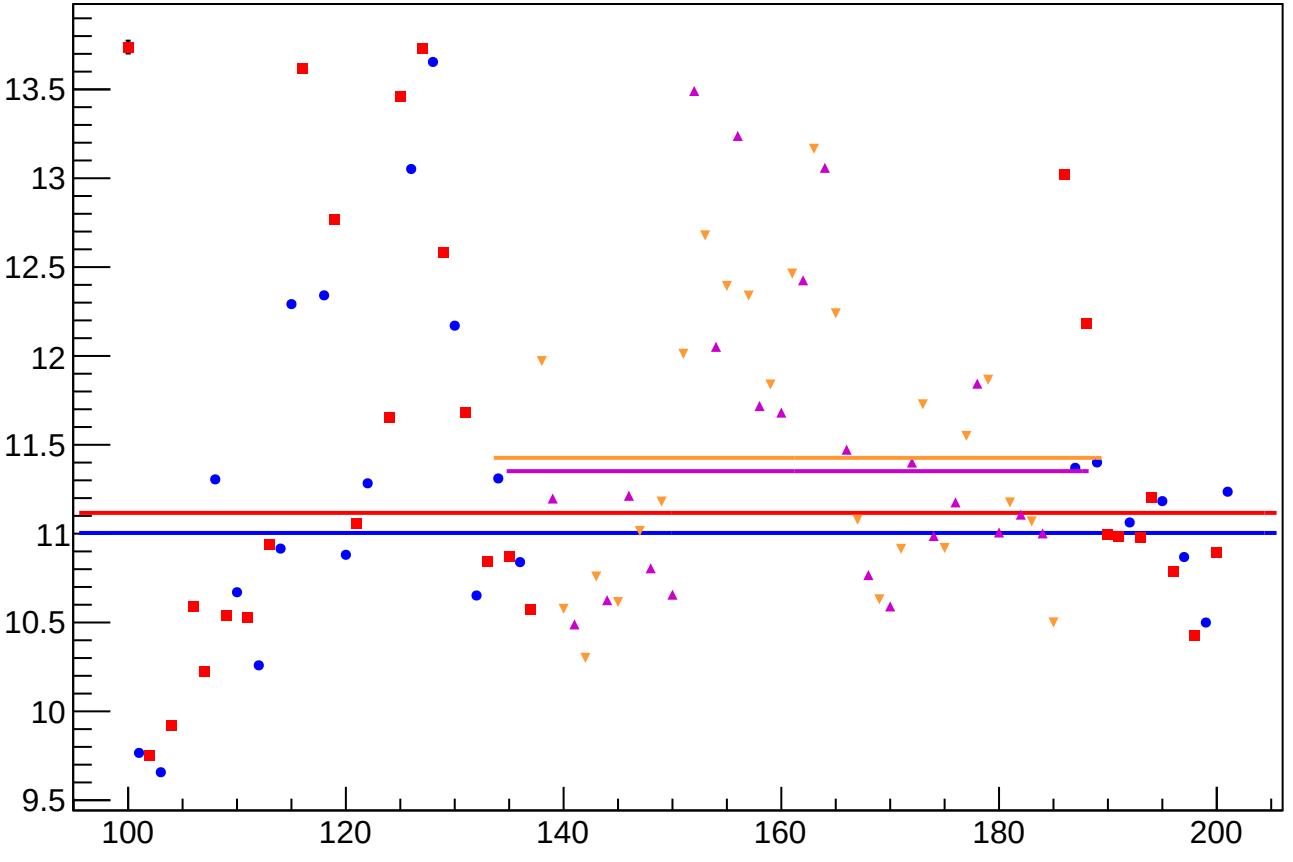
Right: -0.496+/-2.186 χ^2/NDF: 61.1/50

In: -2.368+/-2.040 χ^2/NDF:51.9/45

Out: 1.705+/-1.982 χ^2/NDF:68.5/52

All: -0.272+/-1.422 χ^2/NDF: 122.4/98

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: 11.117+/-0.002 χ^2/NDF: 205326.5/27

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

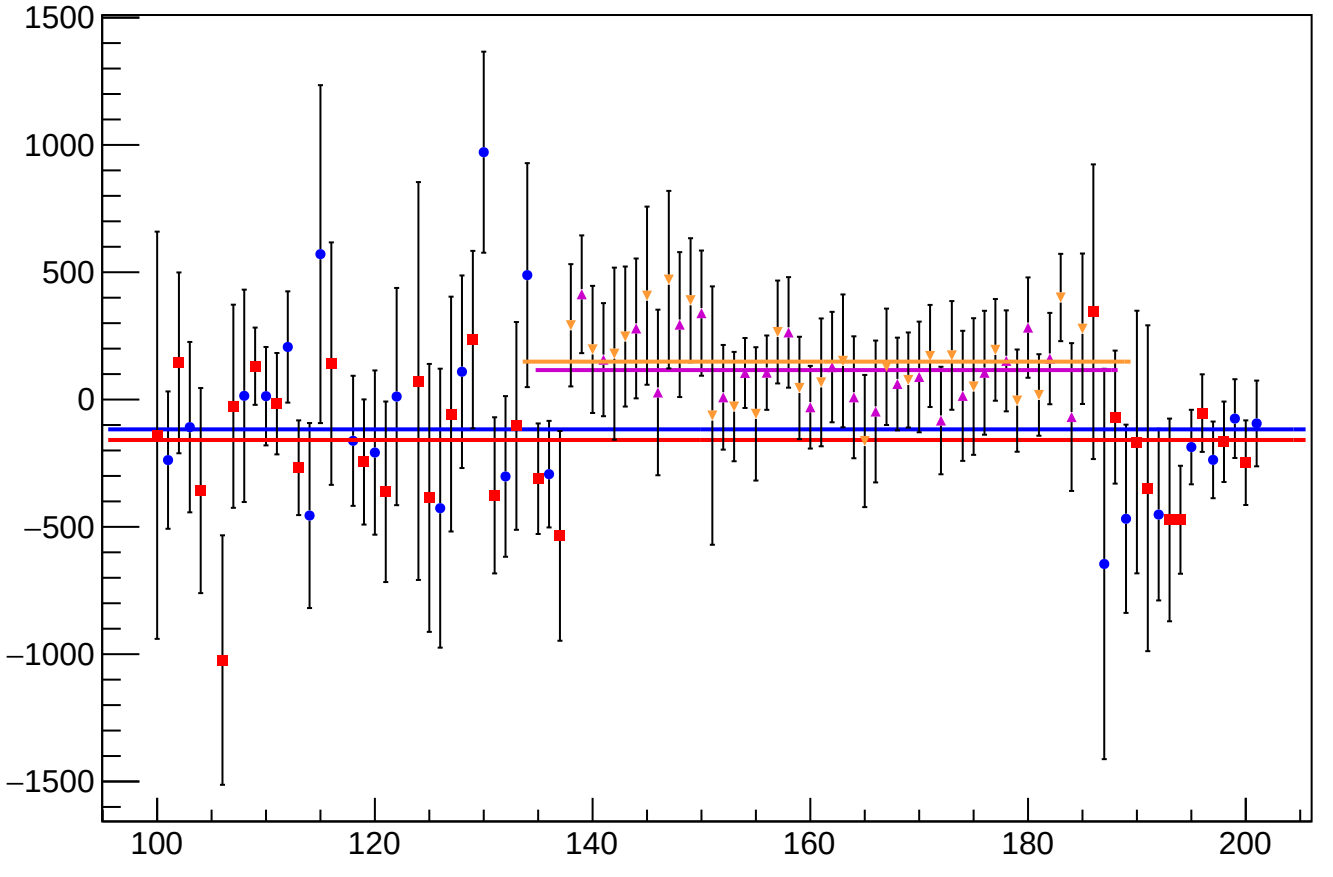
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.063+/-0.002 χ^2/NDF: 350001.3/50

In: 11.206+/-0.001 χ^2/NDF:328038.6/45

Out: 11.294+/-0.001 χ^2/NDF:374241.5/52

All: 11.252+/-0.001 χ^2/NDF: 704178.9/98



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: -158.766+/-50.877 χ^2/NDF: 17.5/27

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

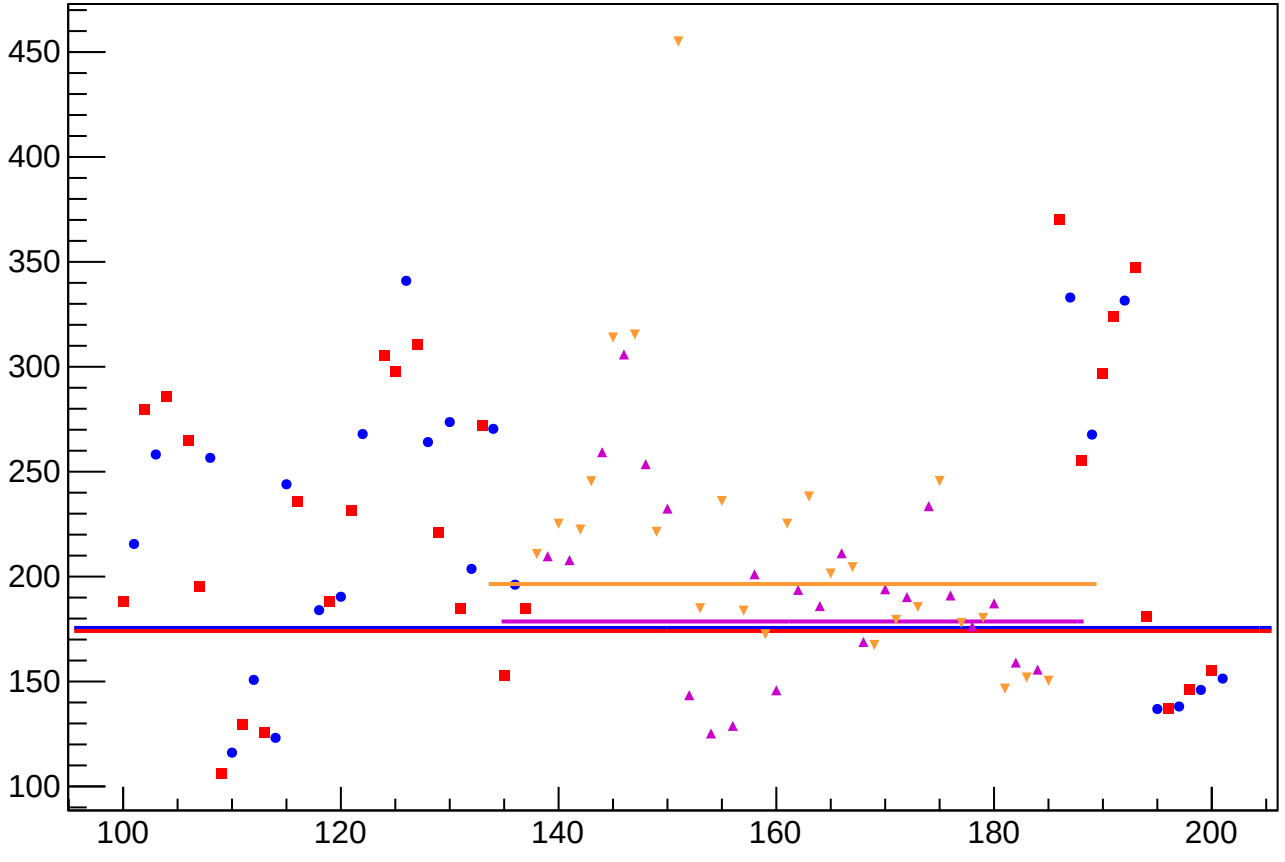
Right: -138.730+/-36.680 χ^2/NDF: 37.5/50

In: 21.514+/-33.671 χ^2/NDF:38.9/45

Out: 9.508+/-34.246 χ^2/NDF:48.0/52

All: 15.612+/-24.010 χ^2/NDF: 87.0/98

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: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

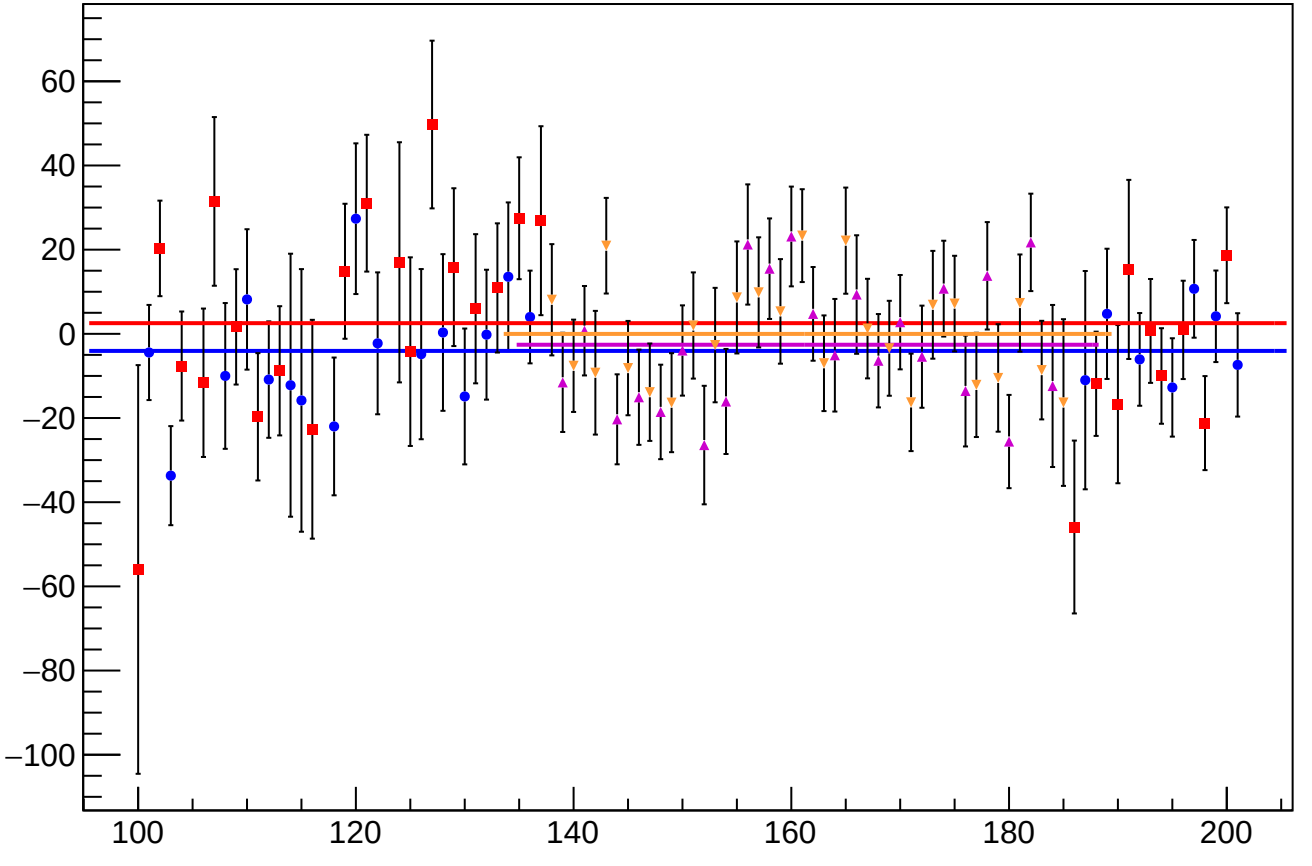
Right: 174.782+/-0.026 χ^2/NDF: 5062943.9/50

In: 177.365+/-0.024 χ^2/NDF:3860820.5/45

Out: 186.322+/-0.024 χ^2/NDF:4914339.6/52

All: 181.768+/-0.017 χ^2/NDF: 8844725.8/98

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: 2.537+/-2.923 χ^2/NDF: 41.6/27

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

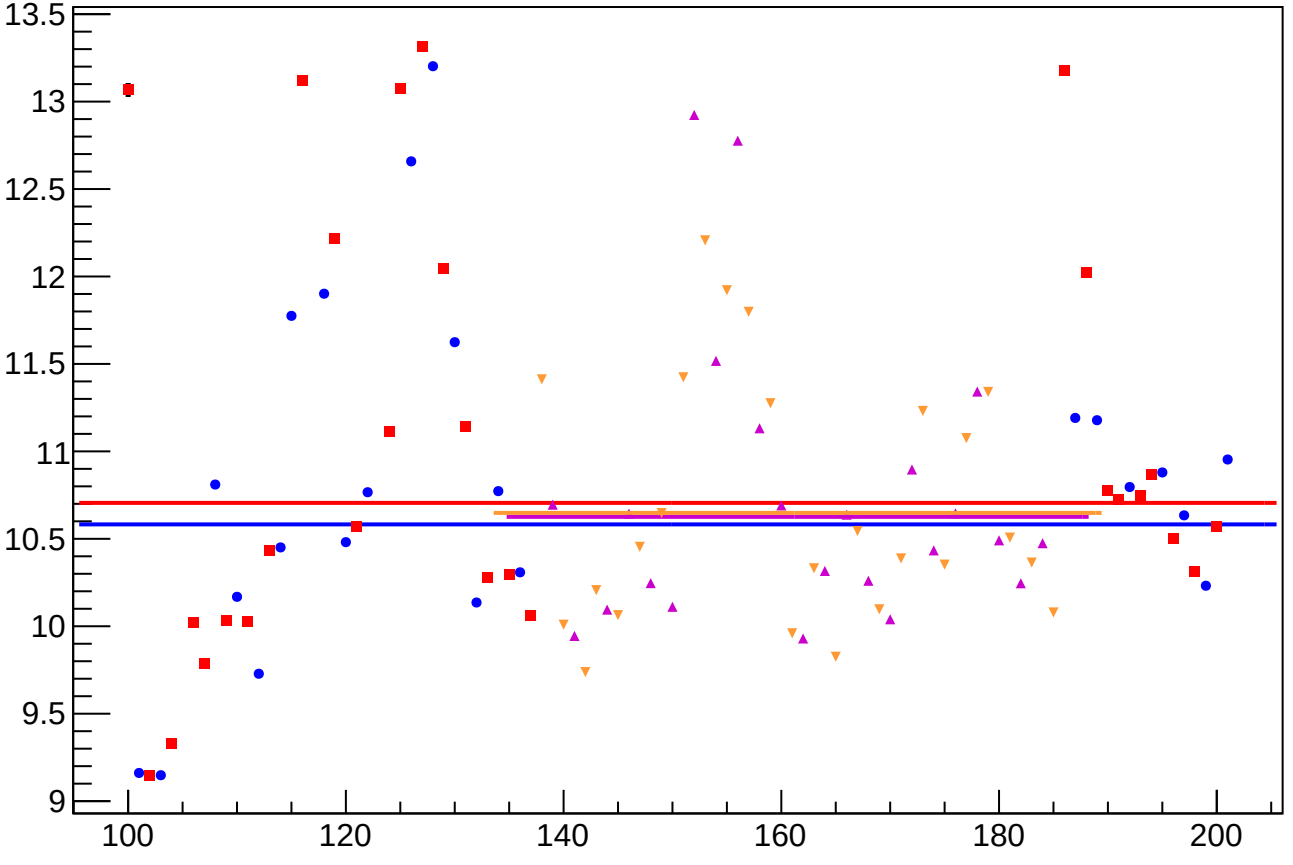
Right: -0.630+/-2.107 χ^2/NDF: 61.1/50

In: -3.184+/-1.934 χ^2/NDF:52.0/45

Out: 1.034+/-1.875 χ^2/NDF:65.8/52

All: -1.010+/-1.346 χ^2/NDF: 120.3/98

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: 10.705+/-0.002 χ^2/NDF: 245706.3/27

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

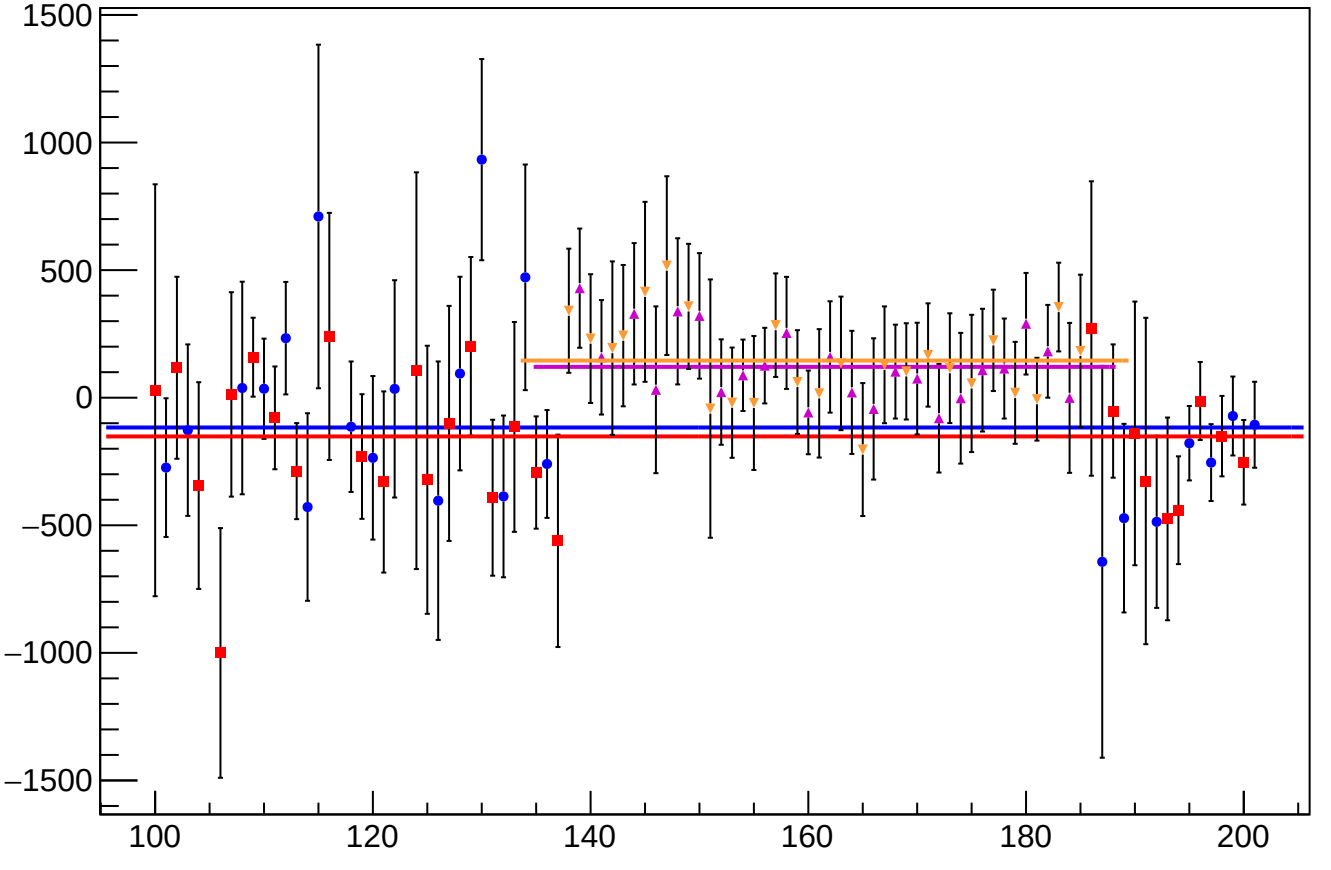
Right: 10.646+/-0.001 χ^2/NDF: 416444.7/50

In: 10.608+/-0.001 χ^2/NDF:328822.3/45

Out: 10.672+/-0.001 χ^2/NDF:389692.4/52

All: 10.641+/-0.001 χ^2/NDF: 719629.3/98

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: -151.808+/-51.122 χ^2/NDF: 17.5/27

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

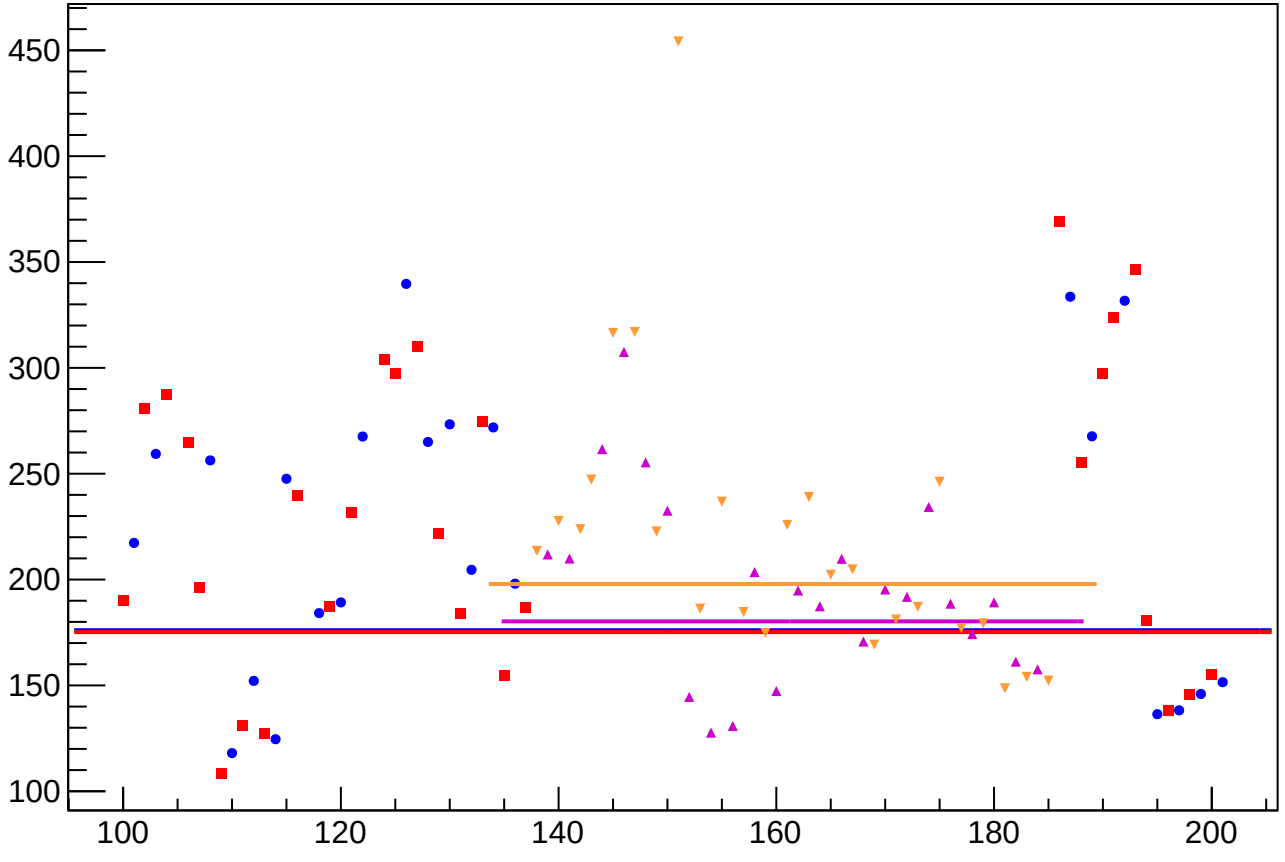
Right: -134.931+/-36.821 χ^2/NDF: 38.1/50

In: 24.116+/-33.872 χ^2/NDF:40.5/45

Out: 10.557+/-34.444 χ^2/NDF:46.2/52

All: 17.451+/-24.151 χ^2/NDF: 86.8/98

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: 175.181+/-0.036 χ^2/NDF: 2824585.6/27

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

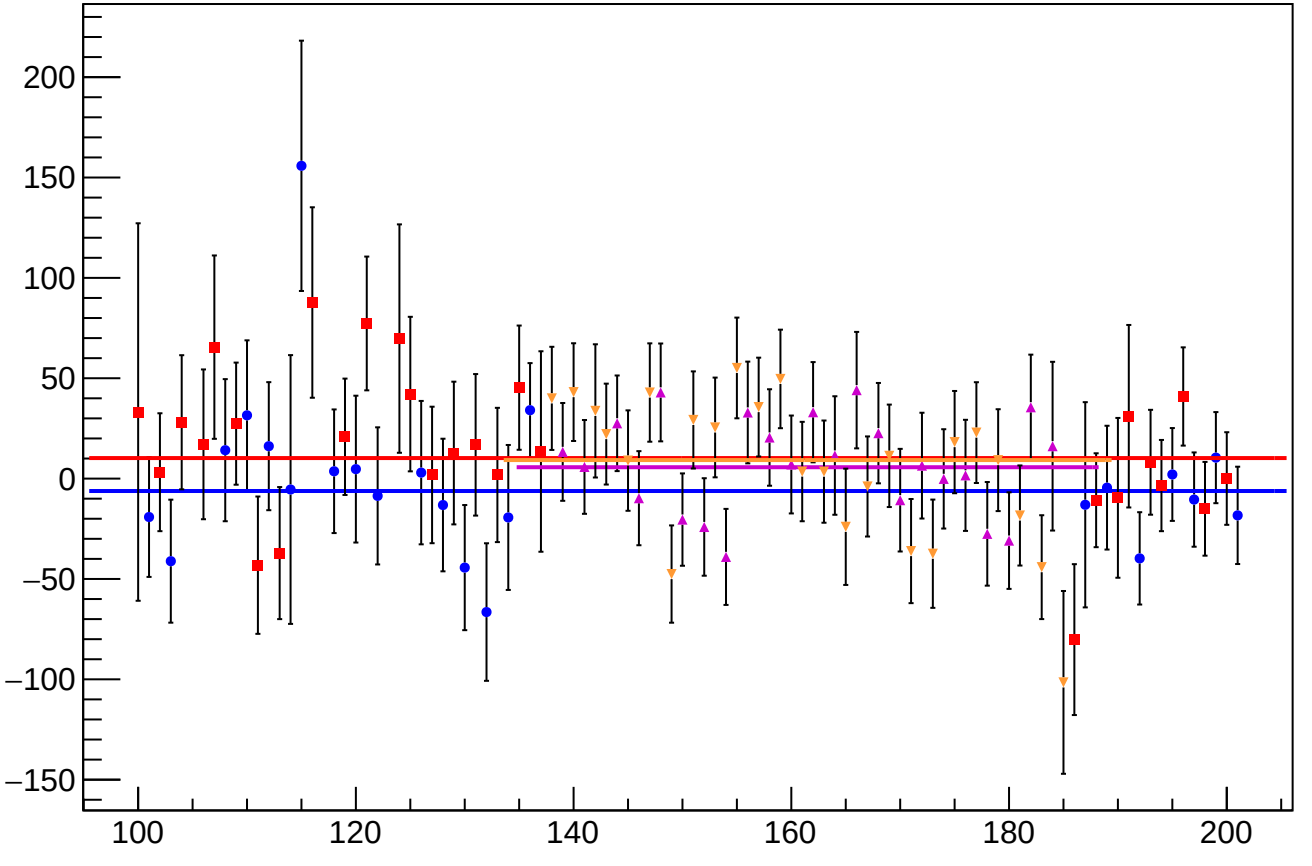
Right: 175.611+/-0.026 χ^2/NDF: 4993917.1/50

In: 178.548+/-0.024 χ^2/NDF:3804143.7/45

Out: 187.581+/-0.024 χ^2/NDF:4828932.0/52

All: 182.989+/-0.017 χ^2/NDF: 8702999.4/98

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 10.232+/-6.088 χ^2/NDF: 27.2/27

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

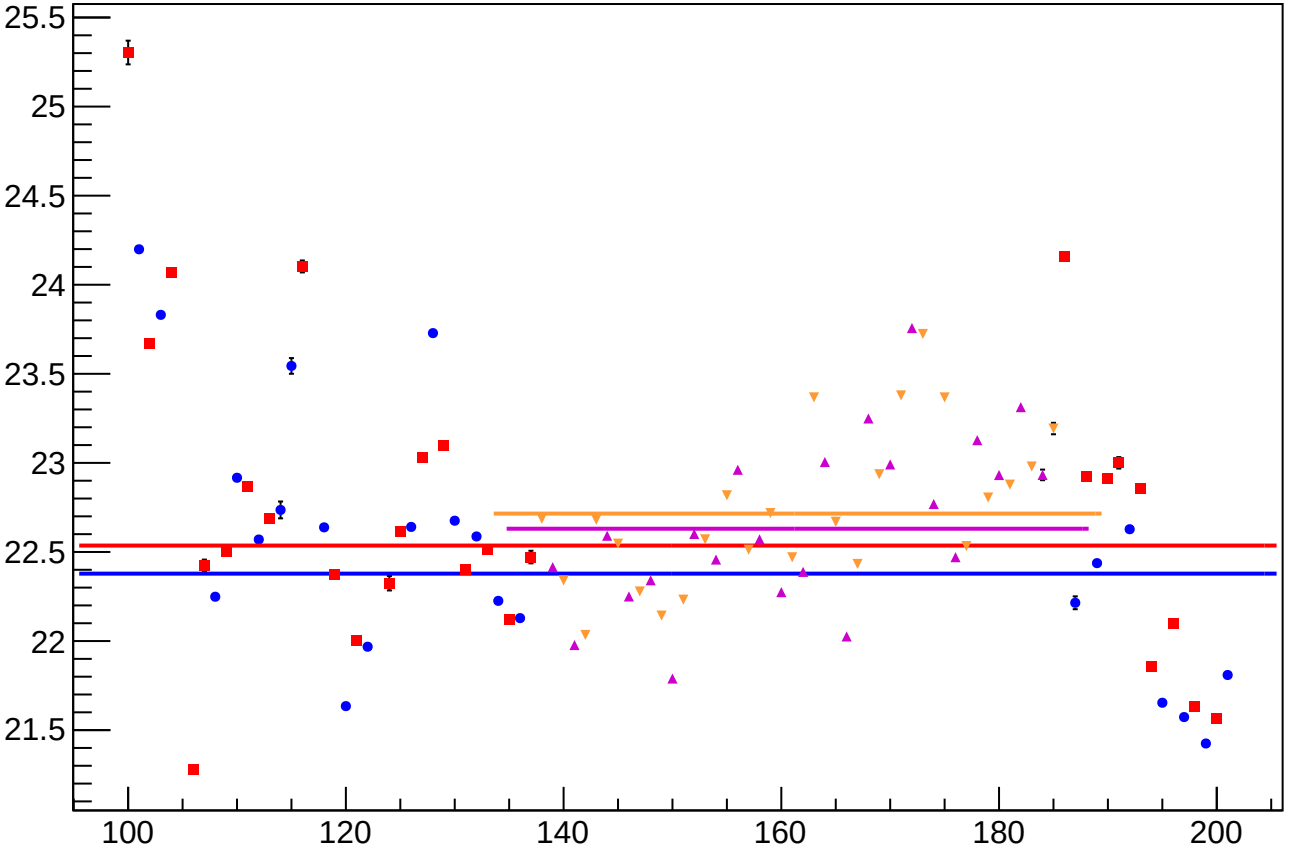
Right: 2.396+/-4.401 χ^2/NDF: 51.8/50

In: 0.835+/-4.068 χ^2/NDF:44.0/45

Out: 9.652+/-3.937 χ^2/NDF:66.6/52

All: 5.387+/-2.829 χ^2/NDF: 113.1/98

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: 22.536+/-0.004 χ^2/NDF: 29469.7/27

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

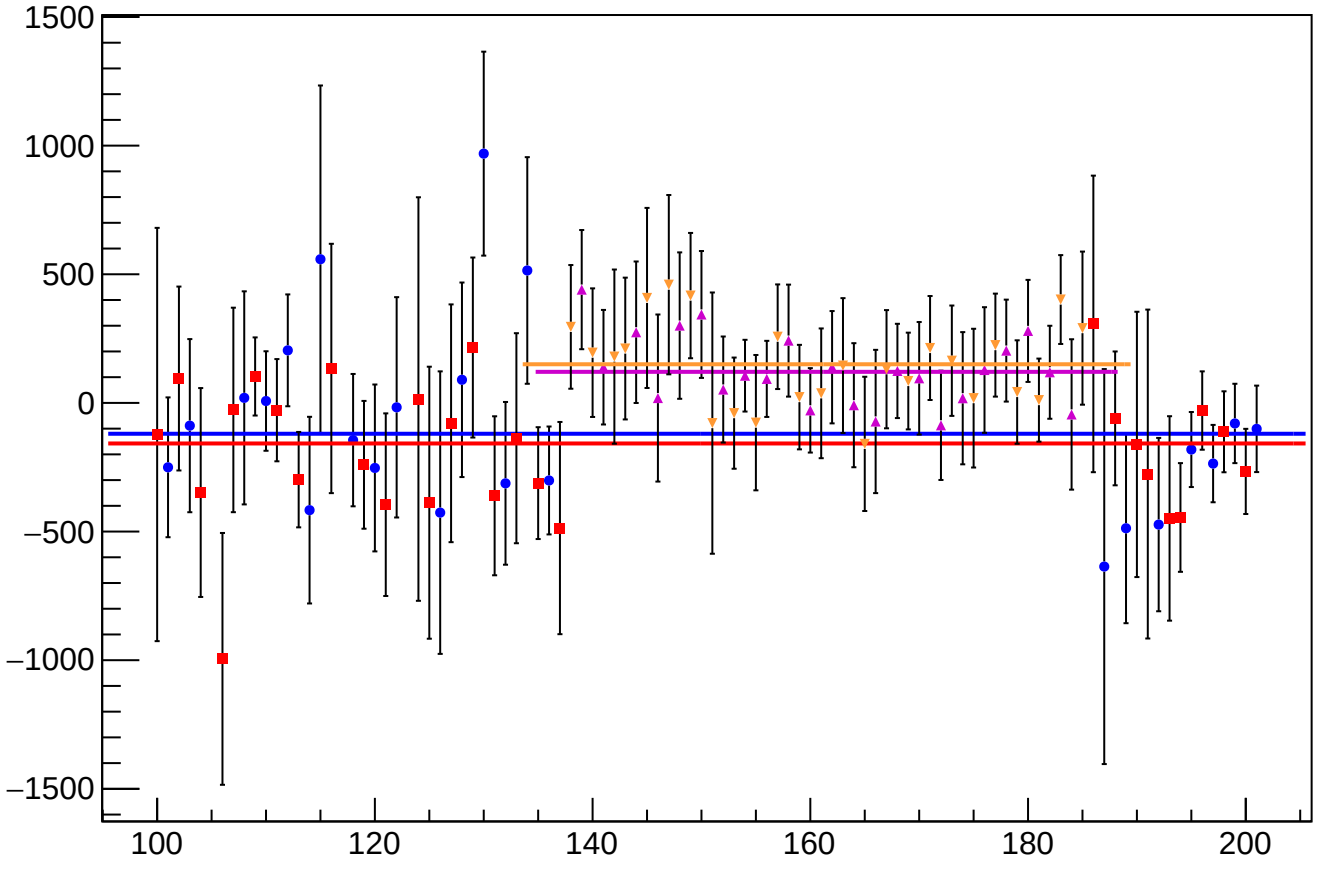
Right: 22.461+/-0.003 χ^2/NDF: 57752.9/50

In: 22.528+/-0.003 χ^2/NDF:44890.0/45

Out: 22.640+/-0.003 χ^2/NDF:42661.9/52

All: 22.586+/-0.002 χ^2/NDF: 88343.9/98

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -119.872+/-52.915 χ^2/NDF: 19.7/22

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -157.642+/-50.864 χ^2/NDF: 16.0/27

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

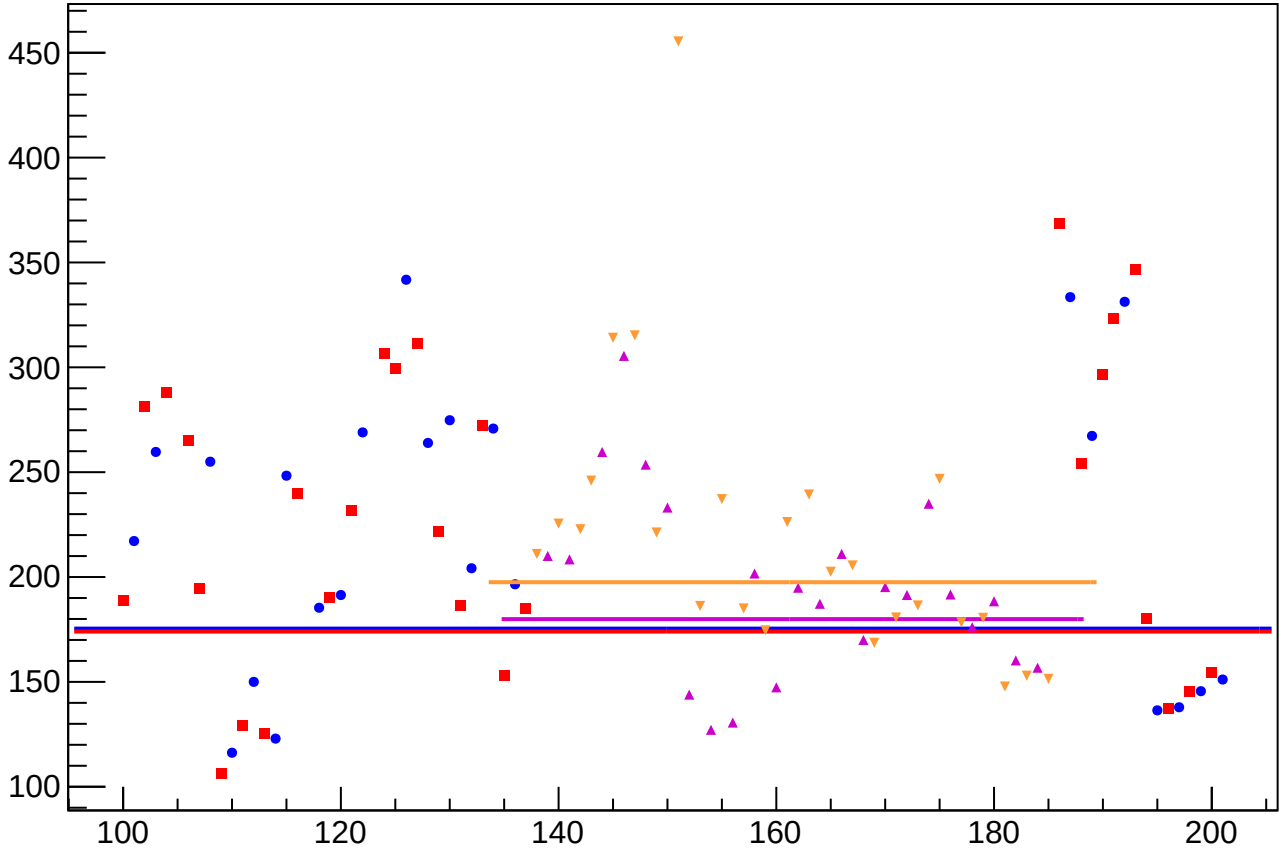
Right: -139.503+/-36.670 χ^2/NDF: 36.0/50

In: 22.606+/-33.795 χ^2/NDF:39.8/45

Out: 9.944+/-34.334 χ^2/NDF:46.9/52

All: 16.375+/-24.085 χ^2/NDF: 86.8/98

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: 174.004+/-0.036 χ^2/NDF: 2902028.2/27

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

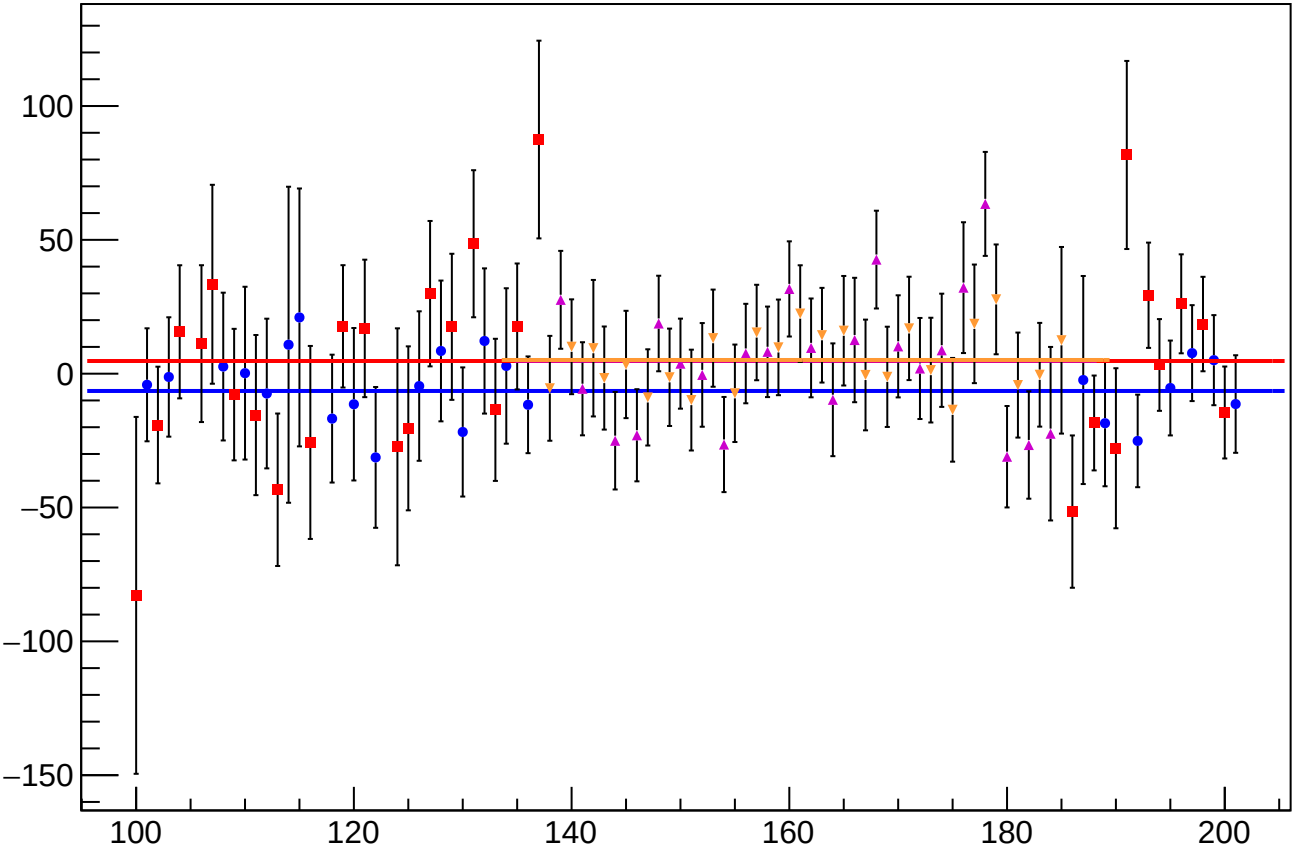
Right: 174.678+/-0.026 χ^2/NDF: 5102951.5/50

In: 178.082+/-0.024 χ^2/NDF:3832957.6/45

Out: 186.813+/-0.024 χ^2/NDF:4924918.5/52

All: 182.378+/-0.017 χ^2/NDF: 8823565.0/98

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: 4.738+/-4.690 χ^2/NDF: 35.6/27

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

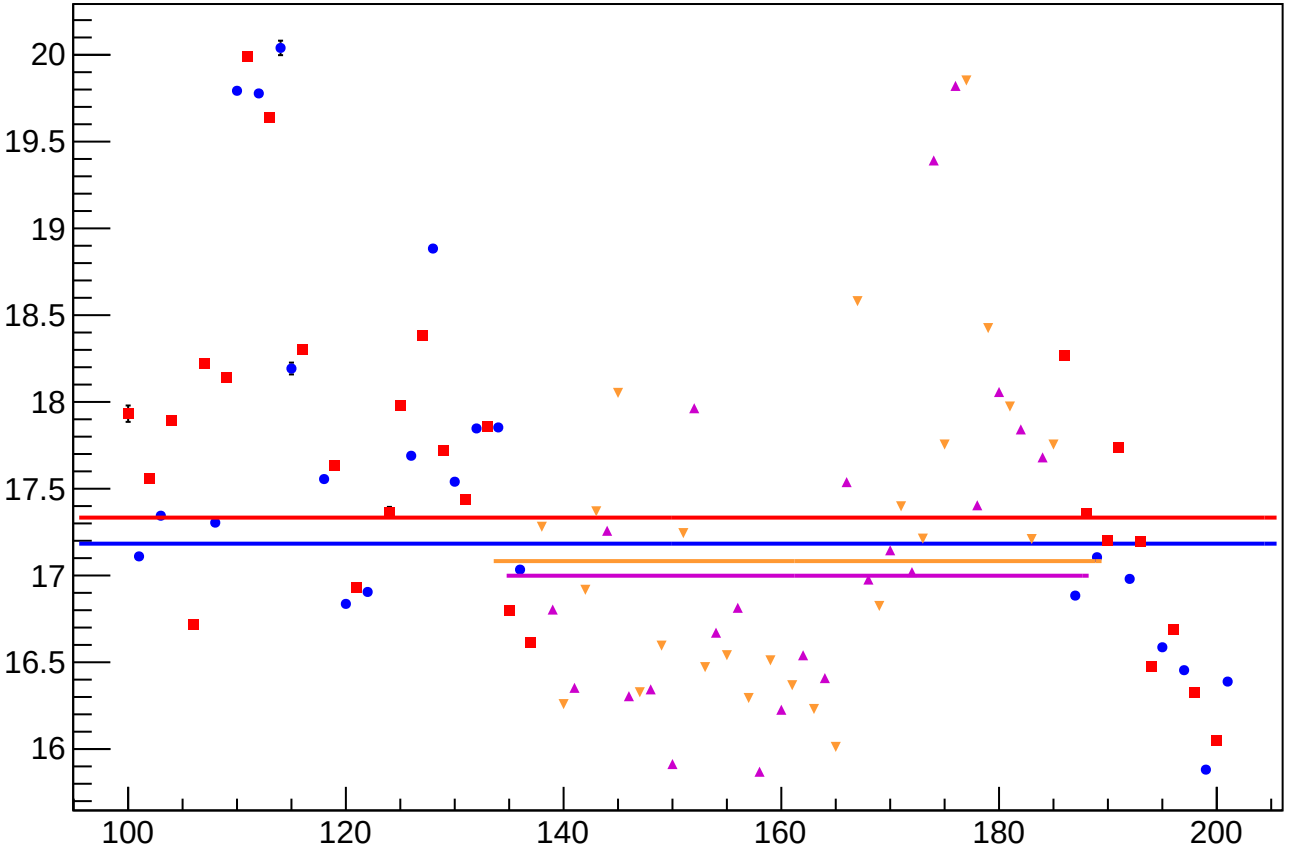
Right: -0.616+/-3.388 χ^2/NDF: 44.0/50

In: 0.358+/-3.089 χ^2/NDF:44.5/45

Out: 4.964+/-2.994 χ^2/NDF:43.5/52

All: 2.733+/-2.150 χ^2/NDF: 89.1/98

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: 17.334+/-0.003 χ^2/NDF: 71258.7/27

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

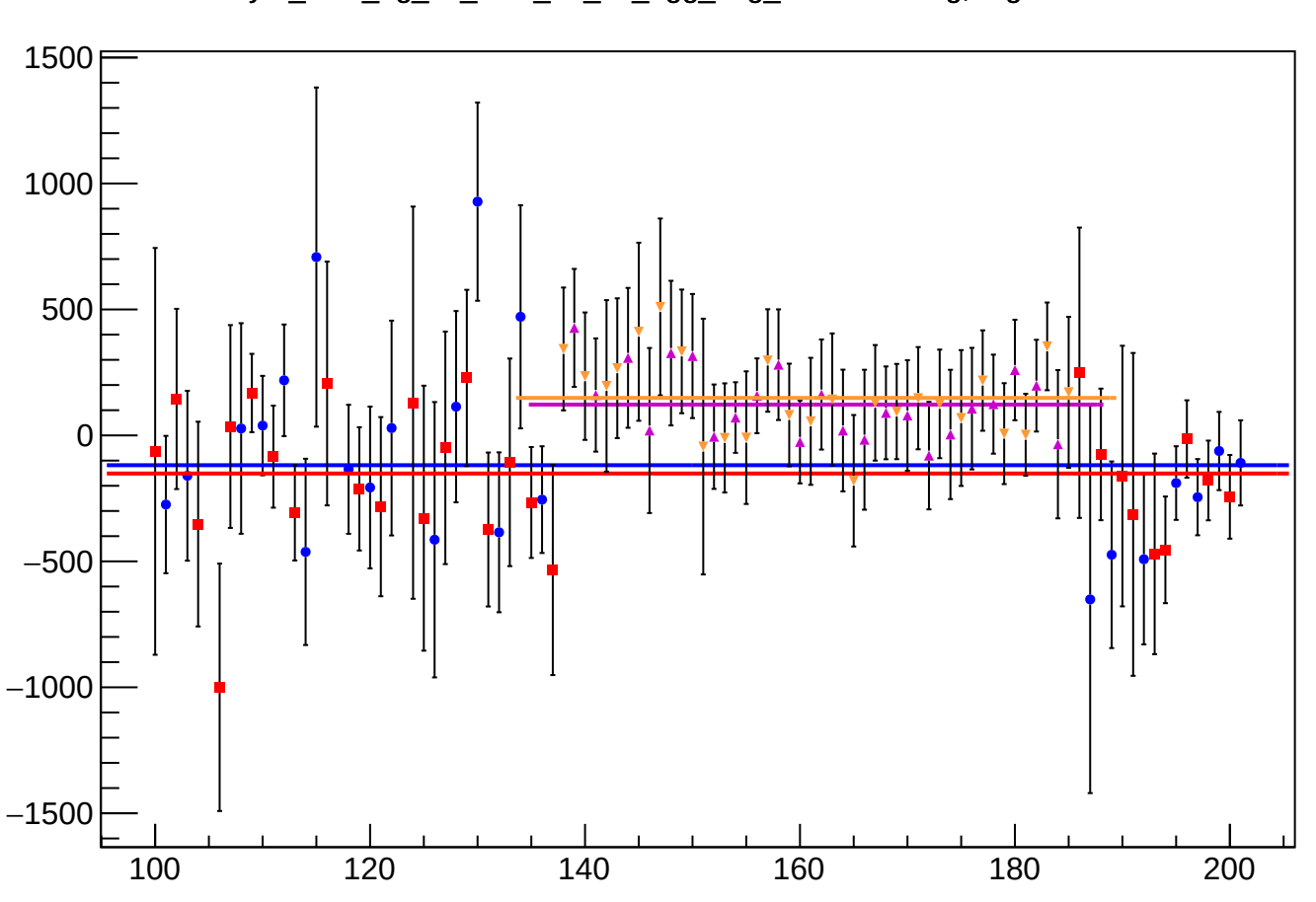
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.262+/-0.002 χ^2/NDF: 142883.0/50

In: 17.072+/-0.002 χ^2/NDF:176376.4/45

Out: 17.185+/-0.002 χ^2/NDF:171418.0/52

All: 17.130+/-0.002 χ^2/NDF: 349172.4/98



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: -151.282+/-51.270 χ^2/NDF: 17.5/27

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

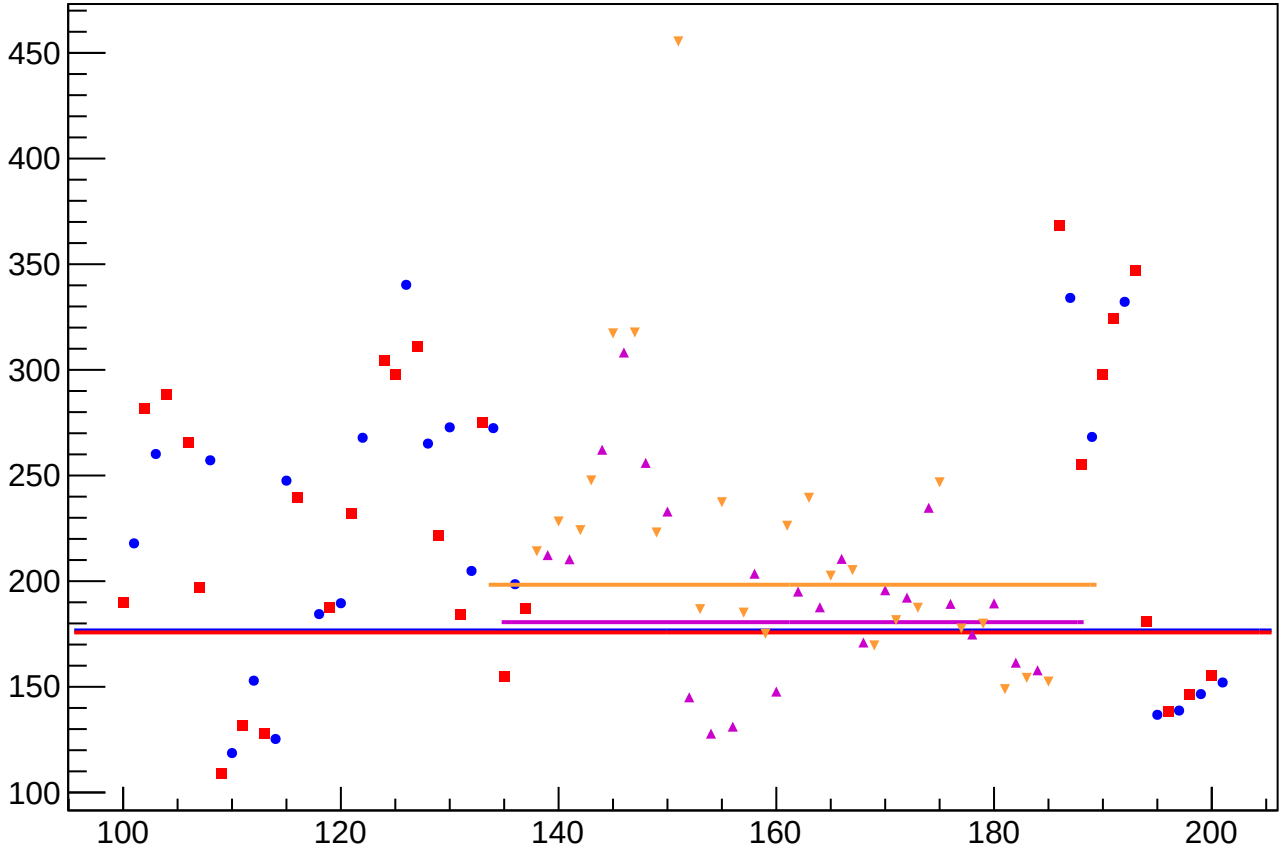
Right: -135.415+/-36.931 χ^2/NDF: 38.0/50

In: 24.492+/-33.954 χ^2/NDF:40.3/45

Out: 12.659+/-34.530 χ^2/NDF:45.7/52

All: 18.675+/-24.210 χ^2/NDF: 86.1/98

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: 175.750+/-0.036 χ^2/NDF: 2807031.1/27

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

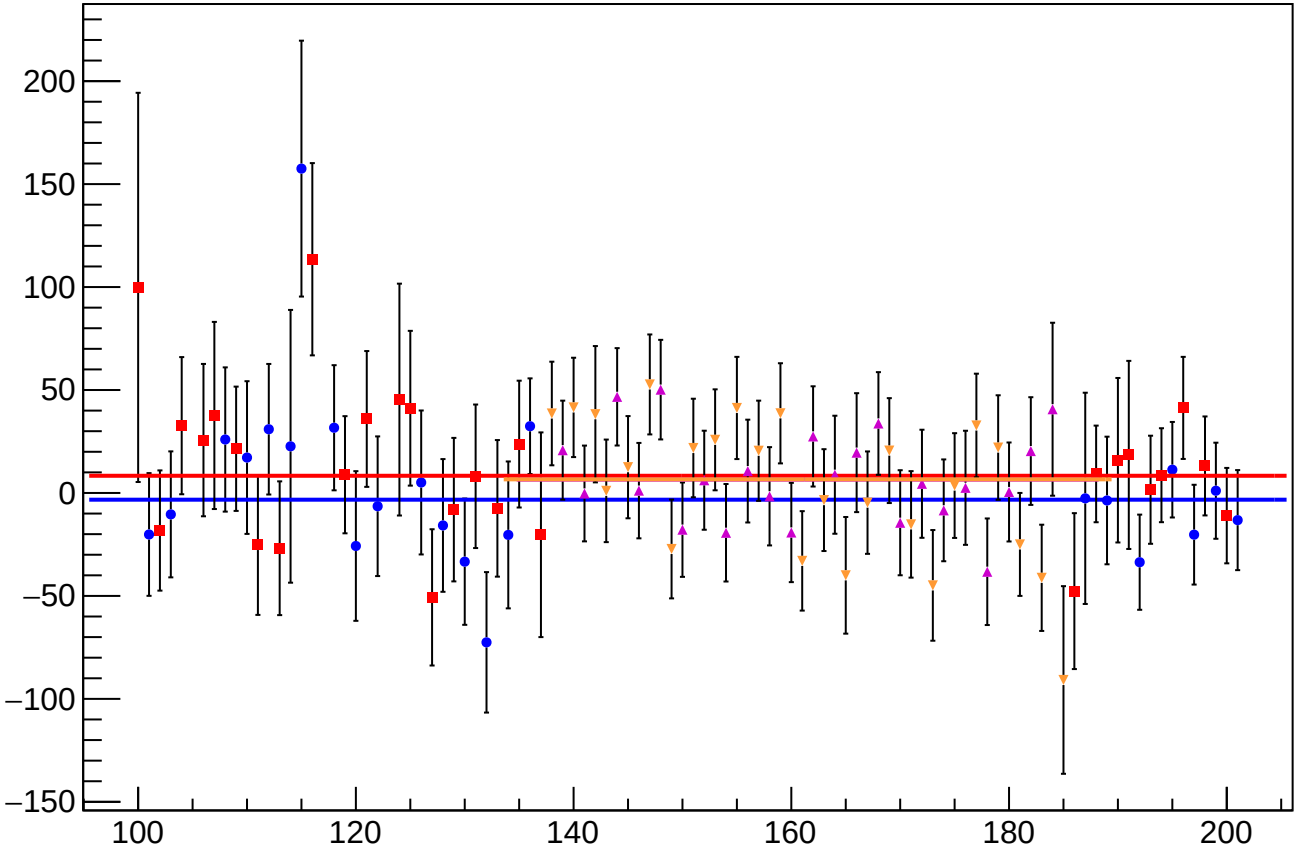
Right: 176.194+/-0.026 χ^2/NDF: 4963119.6/50

In: 179.004+/-0.024 χ^2/NDF:3790310.8/45

Out: 188.079+/-0.024 χ^2/NDF:4808955.5/52

All: 183.465+/-0.017 χ^2/NDF: 8669499.9/98

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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: 8.350+/-6.075 χ^2/NDF: 21.3/27

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

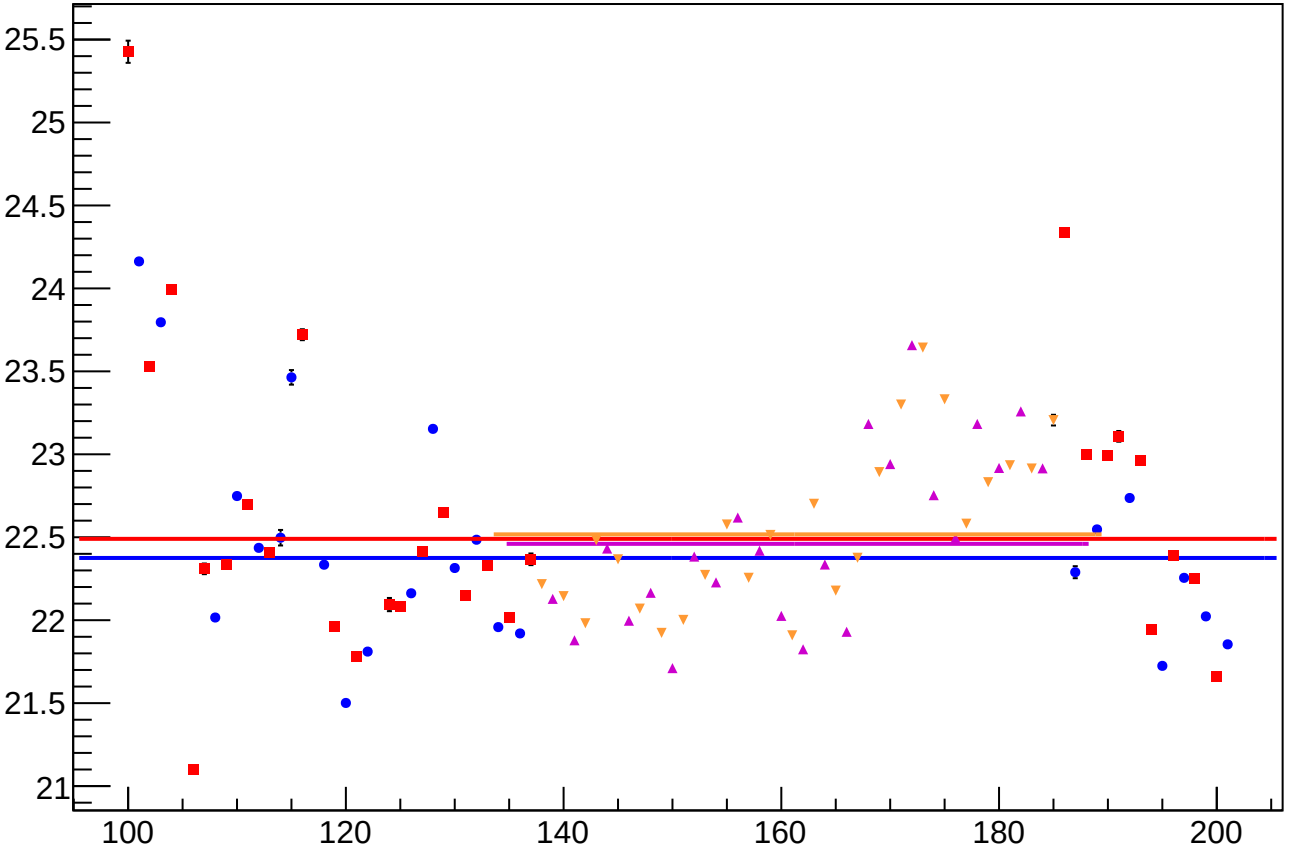
Right: 2.815+/-4.396 χ^2/NDF: 44.9/50

In: 2.540+/-4.049 χ^2/NDF:40.6/45

Out: 7.333+/-3.914 χ^2/NDF:58.2/52

All: 5.018+/-2.814 χ^2/NDF: 99.6/98

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: 22.490+/-0.004 χ^2/NDF: 26631.4/27

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

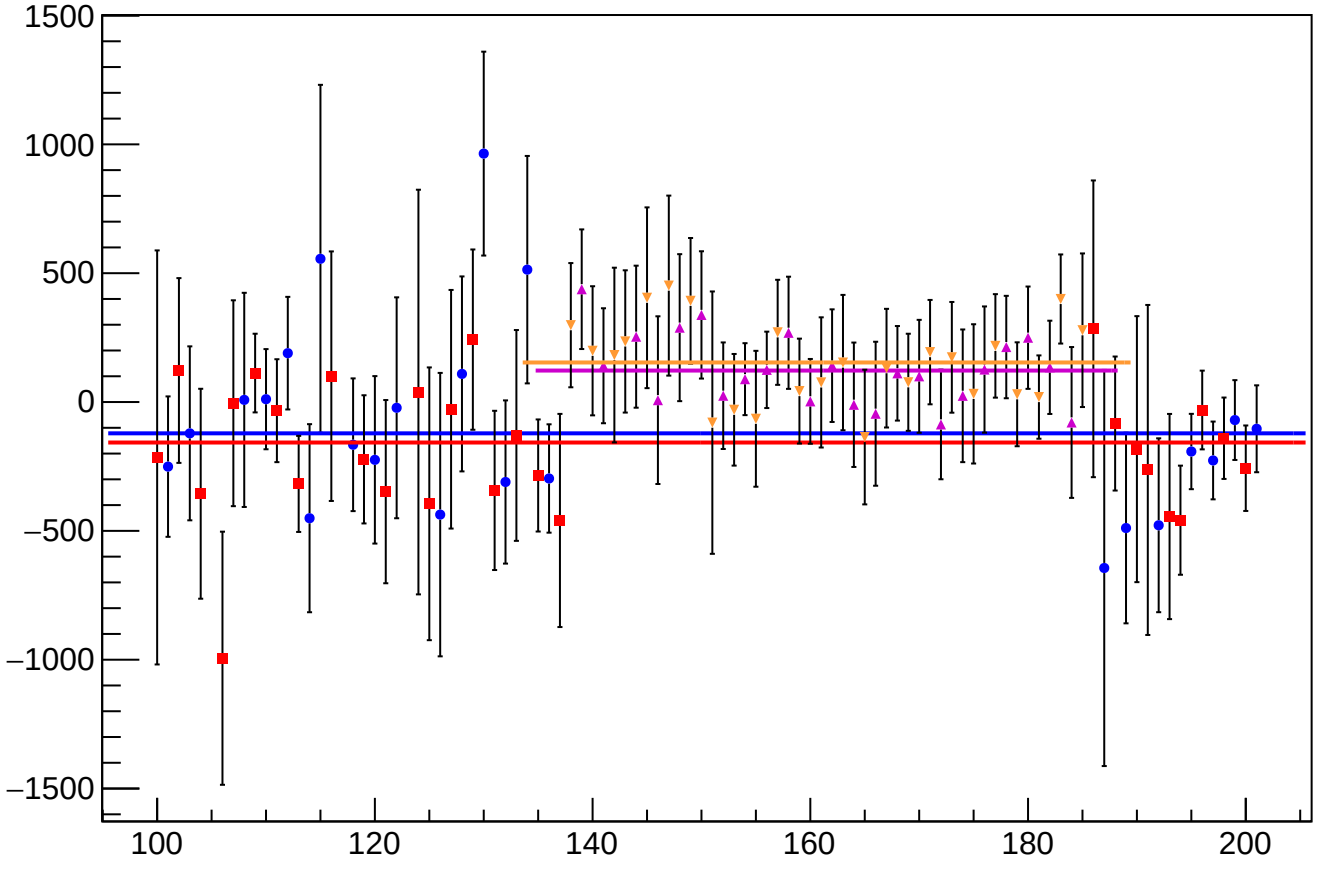
Right: 22.435+/-0.003 χ^2/NDF: 47102.7/50

In: 22.426+/-0.003 χ^2/NDF:39458.4/45

Out: 22.506+/-0.003 χ^2/NDF:42657.1/52

All: 22.467+/-0.002 χ^2/NDF: 82522.7/98

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -121.456+/-53.082 χ^2/NDF: 19.6/22

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -157.126+/-51.014 χ^2/NDF: 16.0/27

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

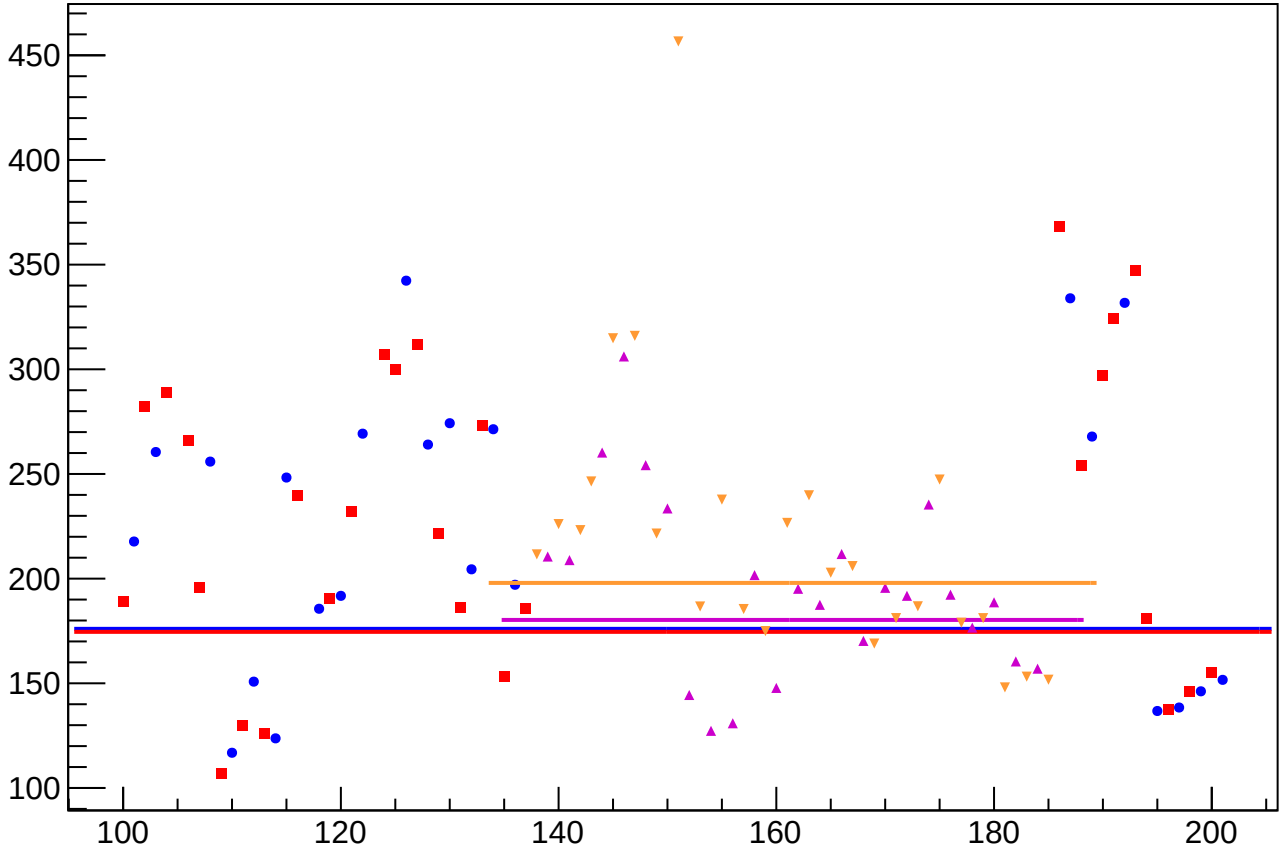
Right: -139.999+/-36.782 χ^2/NDF: 35.8/50

In: 22.930+/-33.878 χ^2/NDF:39.5/45

Out: 12.090+/-34.420 χ^2/NDF:46.2/52

All: 17.596+/-24.145 χ^2/NDF: 85.8/98

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: 174.583+/-0.036 χ^2/NDF: 2883536.3/27

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

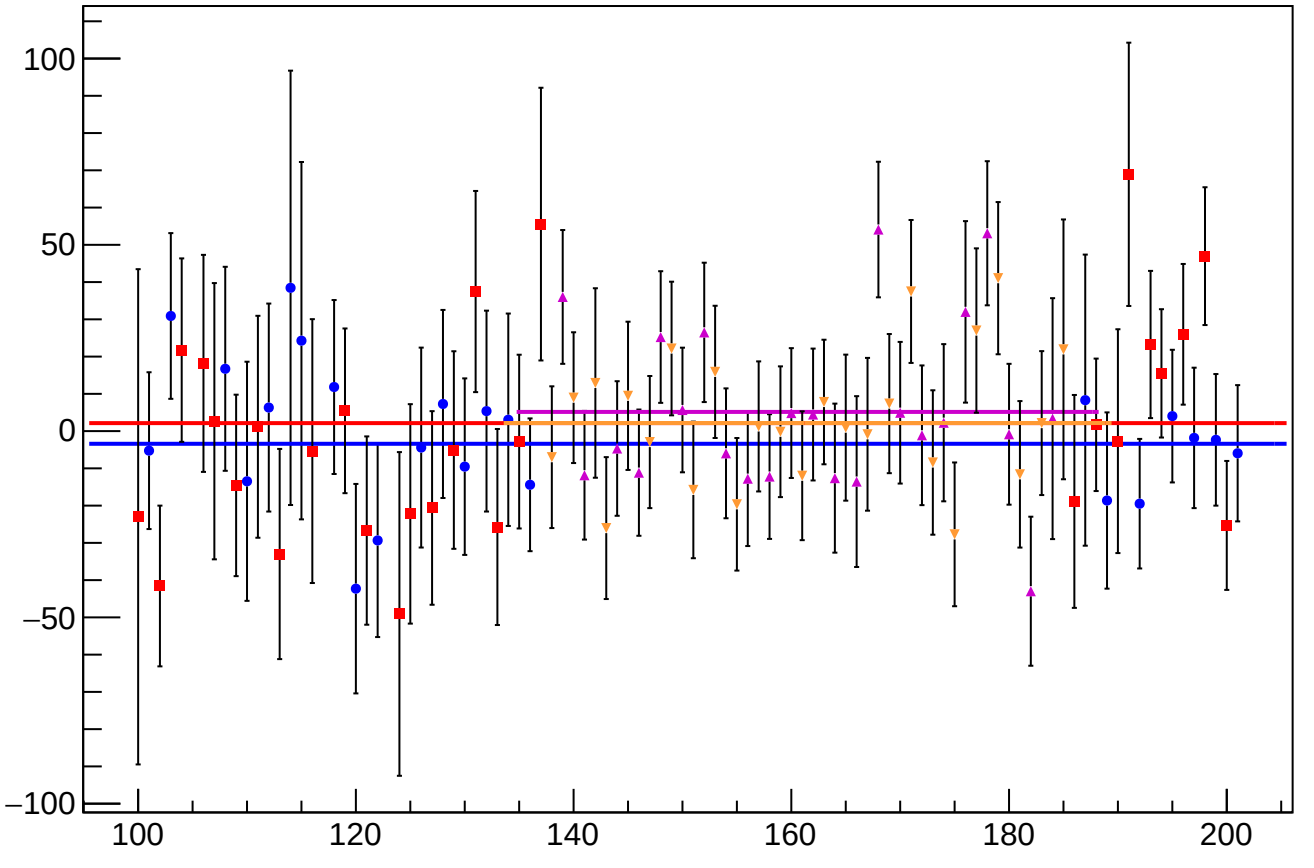
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 175.269+/-0.026 χ^2/NDF: 5070673.7/50

In: 178.539+/-0.024 χ^2/NDF:3818704.4/45

Out: 187.316+/-0.024 χ^2/NDF:4903628.3/52

All: 182.857+/-0.017 χ^2/NDF: 8788390.5/98



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: 2.144+/-4.678 χ^2/NDF: 32.4/27

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

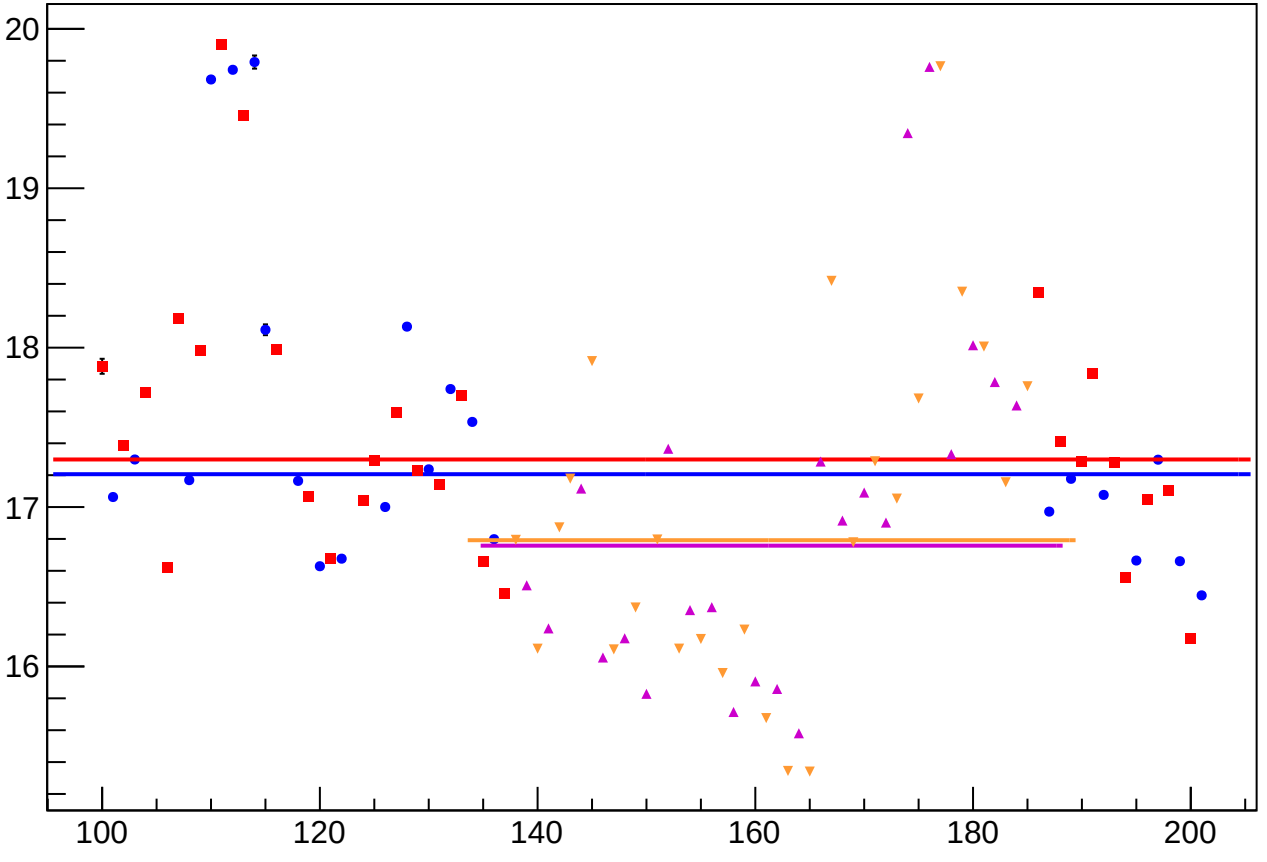
Right: -0.499+/-3.385 χ^2/NDF: 42.7/50

In: 1.811+/-3.064 χ^2/NDF:43.8/45

Out: 2.162+/-2.961 χ^2/NDF:52.3/52

All: 1.992+/-2.129 χ^2/NDF: 96.2/98

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: 17.298+/-0.003 χ^2/NDF: 53171.6/27

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

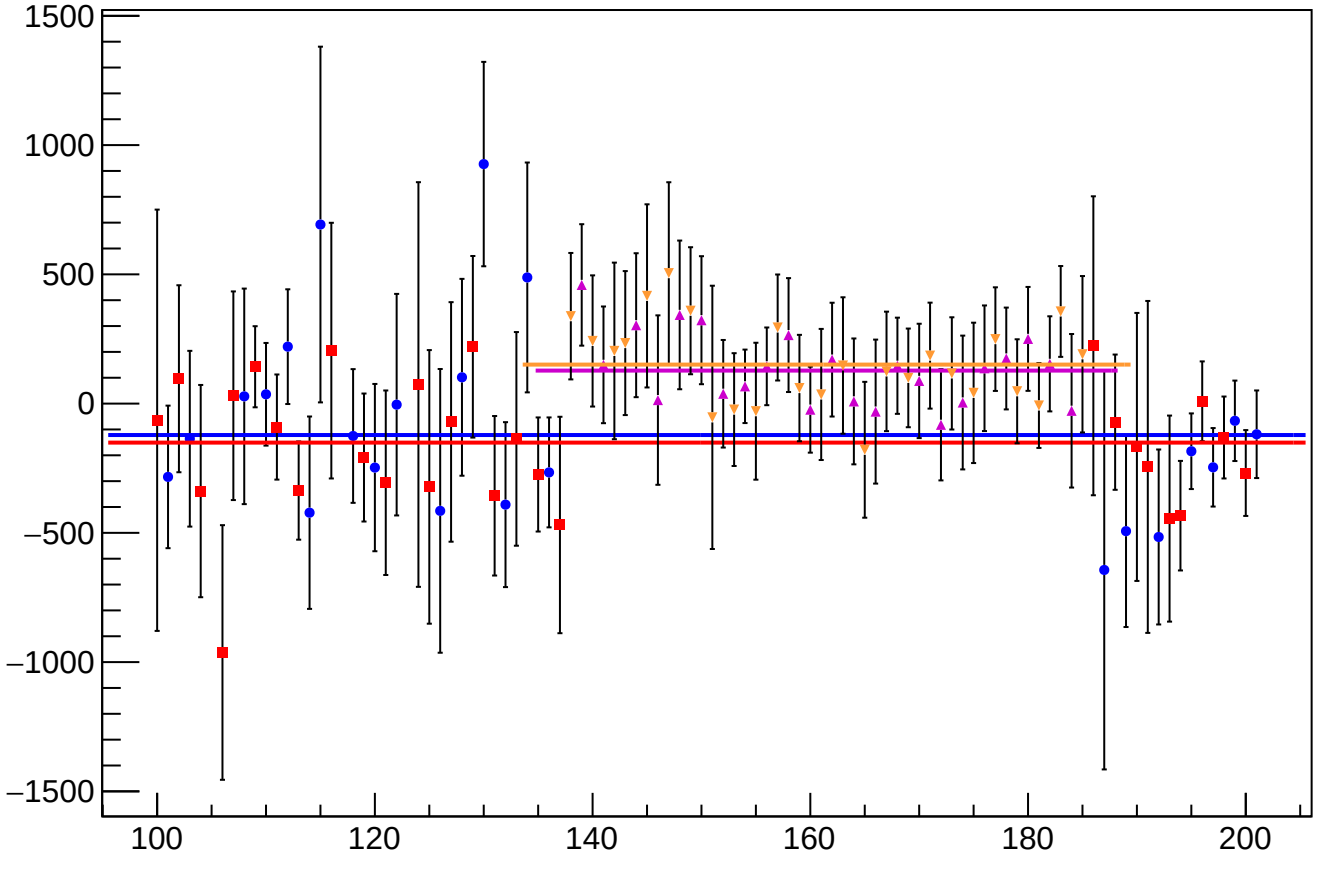
Right: 17.254+/-0.002 χ^2/NDF: 100796.2/50

In: 16.933+/-0.002 χ^2/NDF:180752.8/45

Out: 16.995+/-0.002 χ^2/NDF:204224.5/52

All: 16.965+/-0.002 χ^2/NDF: 385402.0/98

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: -150.899+/-51.493 χ^2/NDF: 16.0/27

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

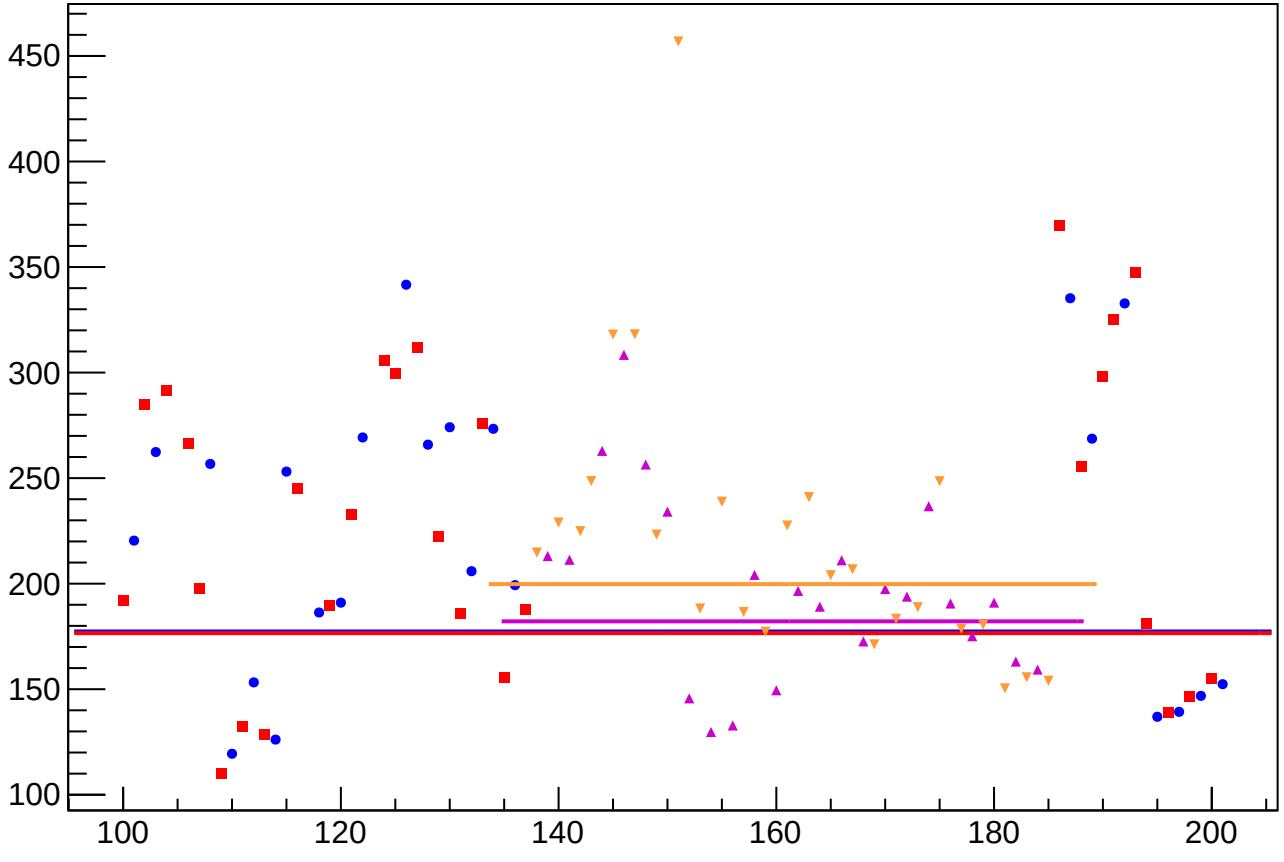
Right: -136.785+/-37.084 χ^2/NDF: 36.5/50

In: 25.856+/-34.166 χ^2/NDF:41.0/45

Out: 13.620+/-34.728 χ^2/NDF:44.7/52

All: 19.838+/-24.355 χ^2/NDF: 85.8/98

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: 176.553+/-0.036 χ^2/NDF: 2807000.5/27

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

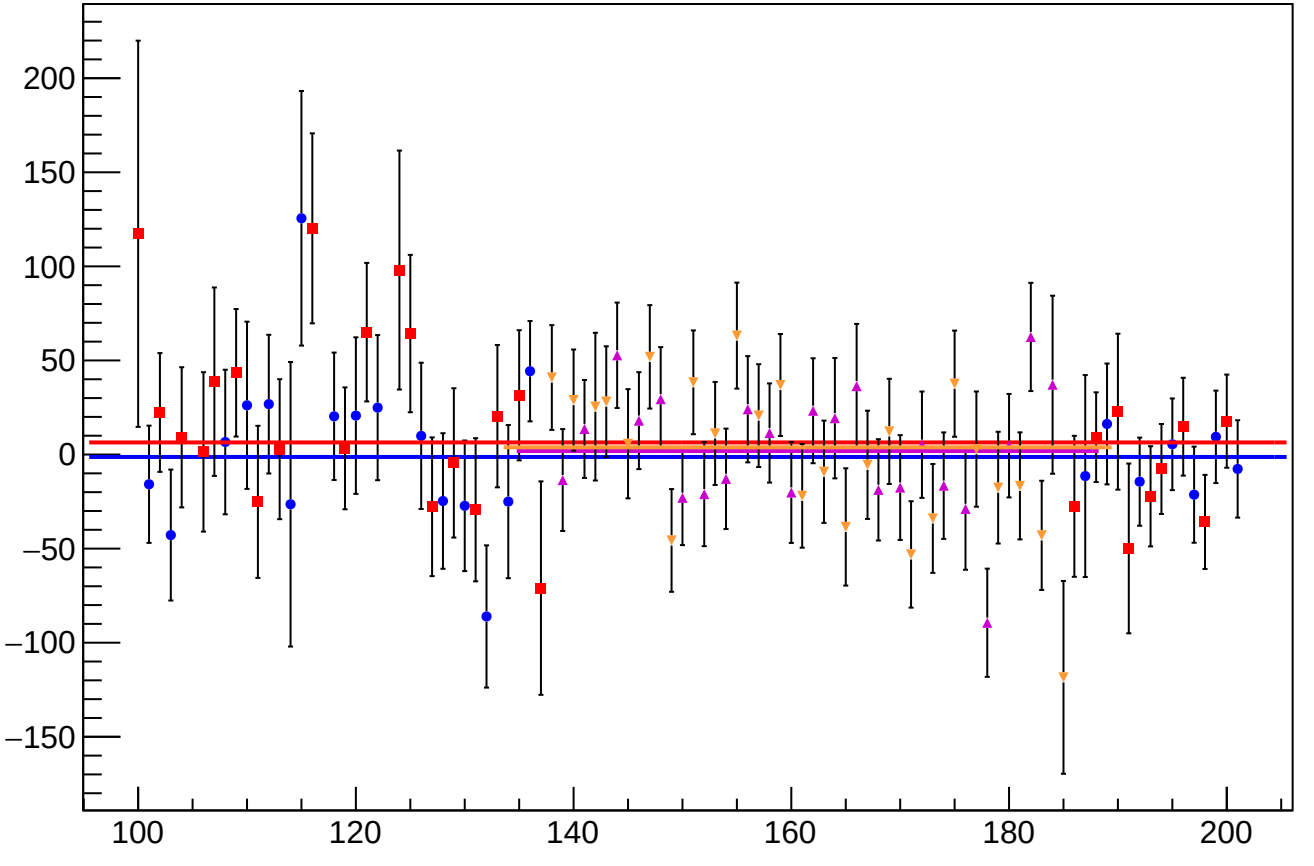
Right: 176.936+/-0.026 χ^2/NDF: 4970587.1/50

In: 180.189+/-0.024 χ^2/NDF:3757256.9/45

Out: 189.218+/-0.025 χ^2/NDF:4789254.2/52

All: 184.630+/-0.017 χ^2/NDF: 8615215.7/98

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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: 6.431+/-6.563 χ^2/NDF: 26.9/27

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

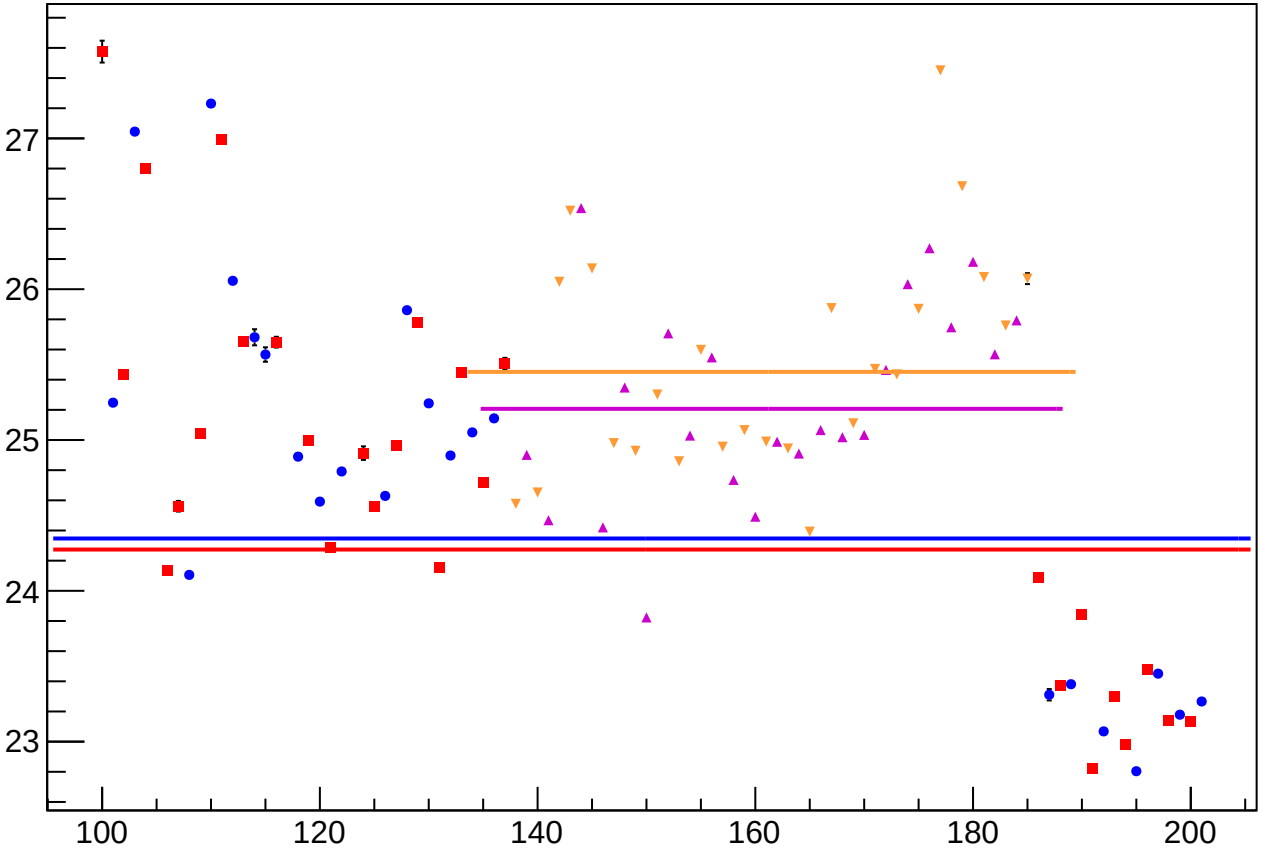
Right: 2.782+/-4.768 χ^2/NDF: 45.9/50

In: 0.532+/-4.492 χ^2/NDF:46.6/45

Out: 4.968+/-4.341 χ^2/NDF:64.6/52

All: 2.825+/-3.122 χ^2/NDF: 111.6/98

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: 24.274+/-0.005 χ^2/NDF: 60426.0/27

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

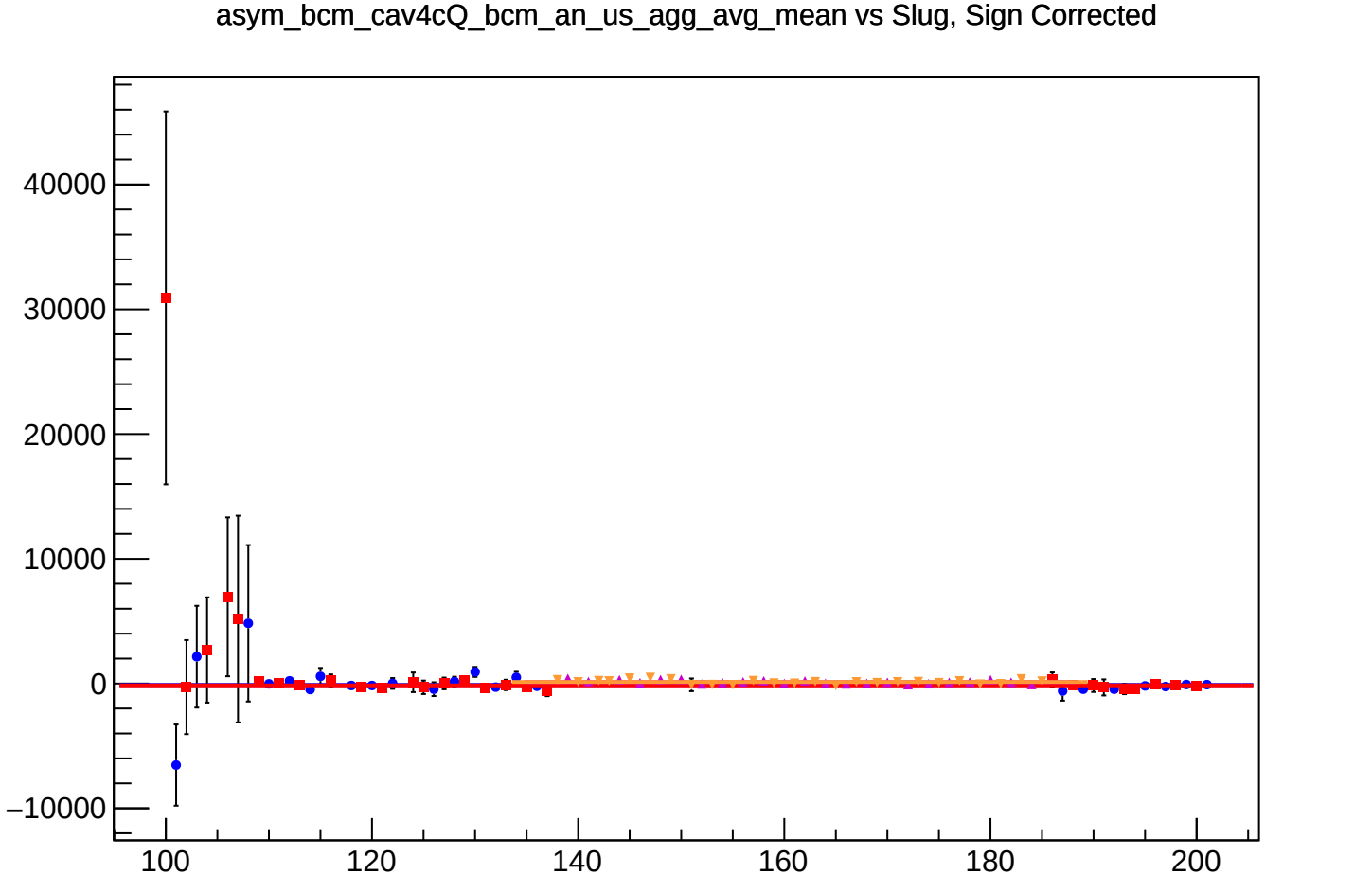
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 24.308+/-0.003 χ^2/NDF: 123963.4/50

In: 24.846+/-0.003 χ^2/NDF:107091.9/45

Out: 24.936+/-0.003 χ^2/NDF:126277.7/52

All: 24.893+/-0.002 χ^2/NDF: 233784.2/98



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: -145.562+/-55.372 χ^2/NDF: 17.9/27

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

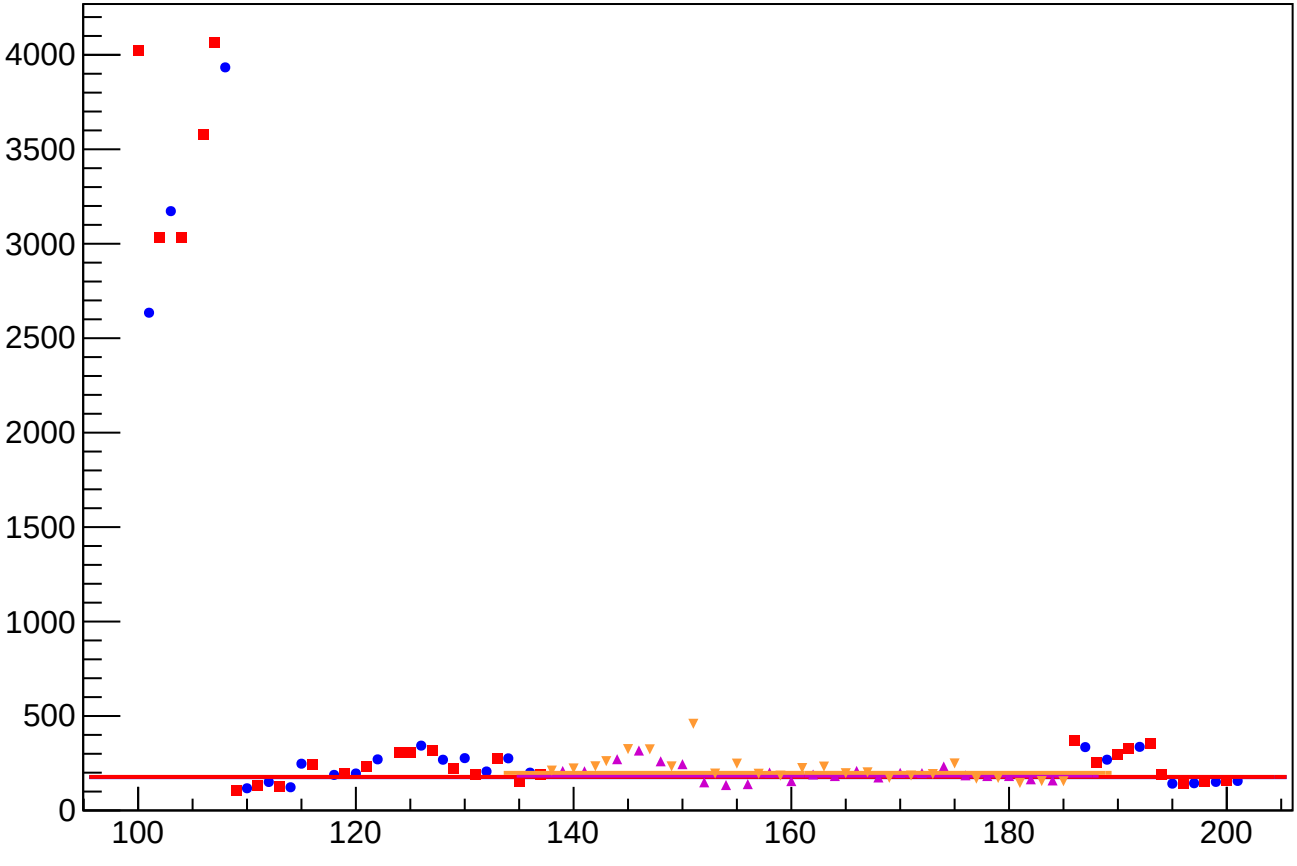
Right: -127.906+/-39.554 χ^2/NDF: 41.0/50

In: 29.612+/-35.143 χ^2/NDF:40.7/45

Out: 12.001+/-35.799 χ^2/NDF:42.9/52

All: 20.969+/-25.079 χ^2/NDF: 83.8/98

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: 177.558+/-0.039 χ^2/NDF: 5469252.1/27

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

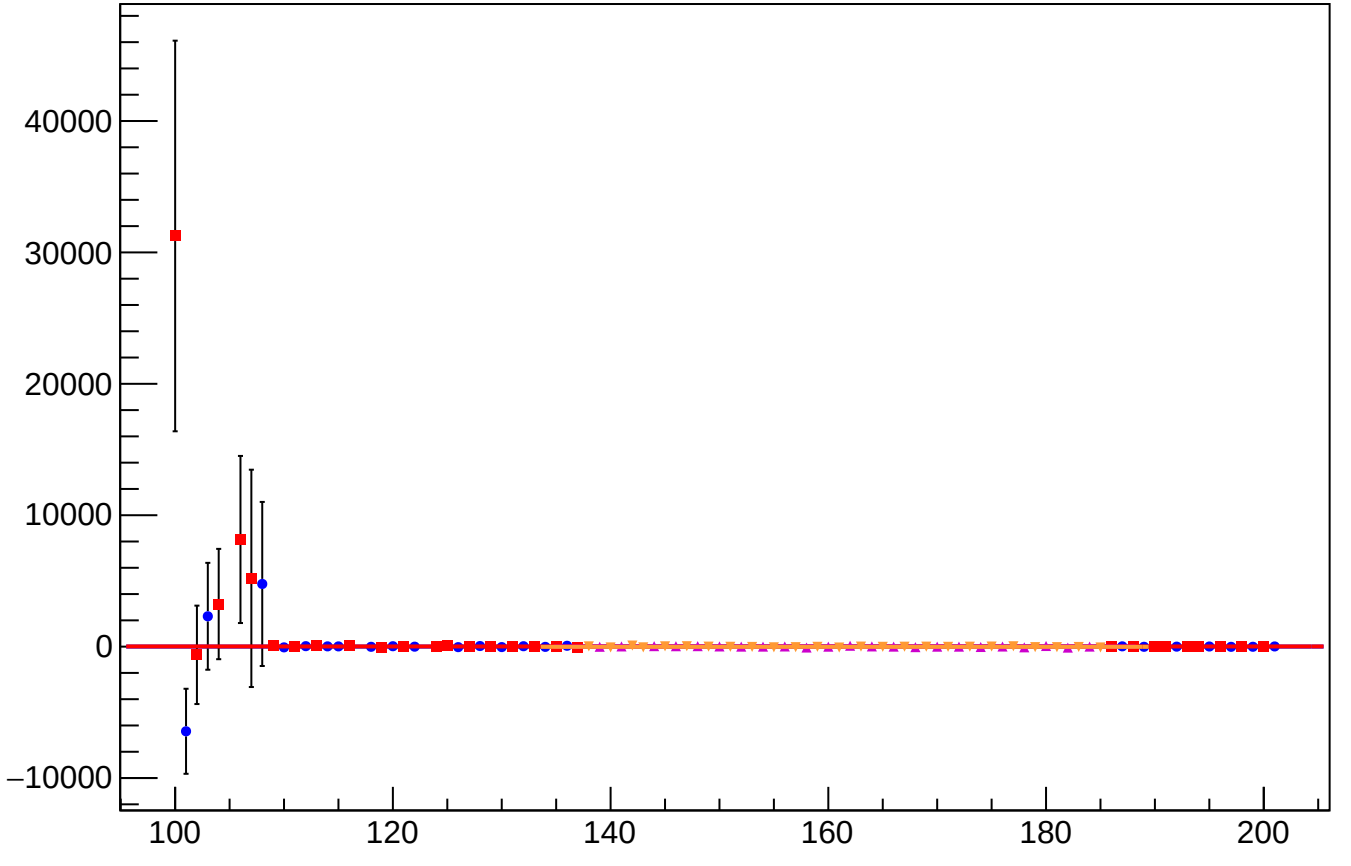
Right: 176.959+/-0.028 χ^2/NDF: 10268867.2/50

In: 181.281+/-0.025 χ^2/NDF:6270415.2/45

Out: 190.034+/-0.025 χ^2/NDF:7545845.9/52

All: 185.577+/-0.018 χ^2/NDF: 13877145.9/98

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: 14.480+/-8.099 χ^2/NDF: 28.7/27

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

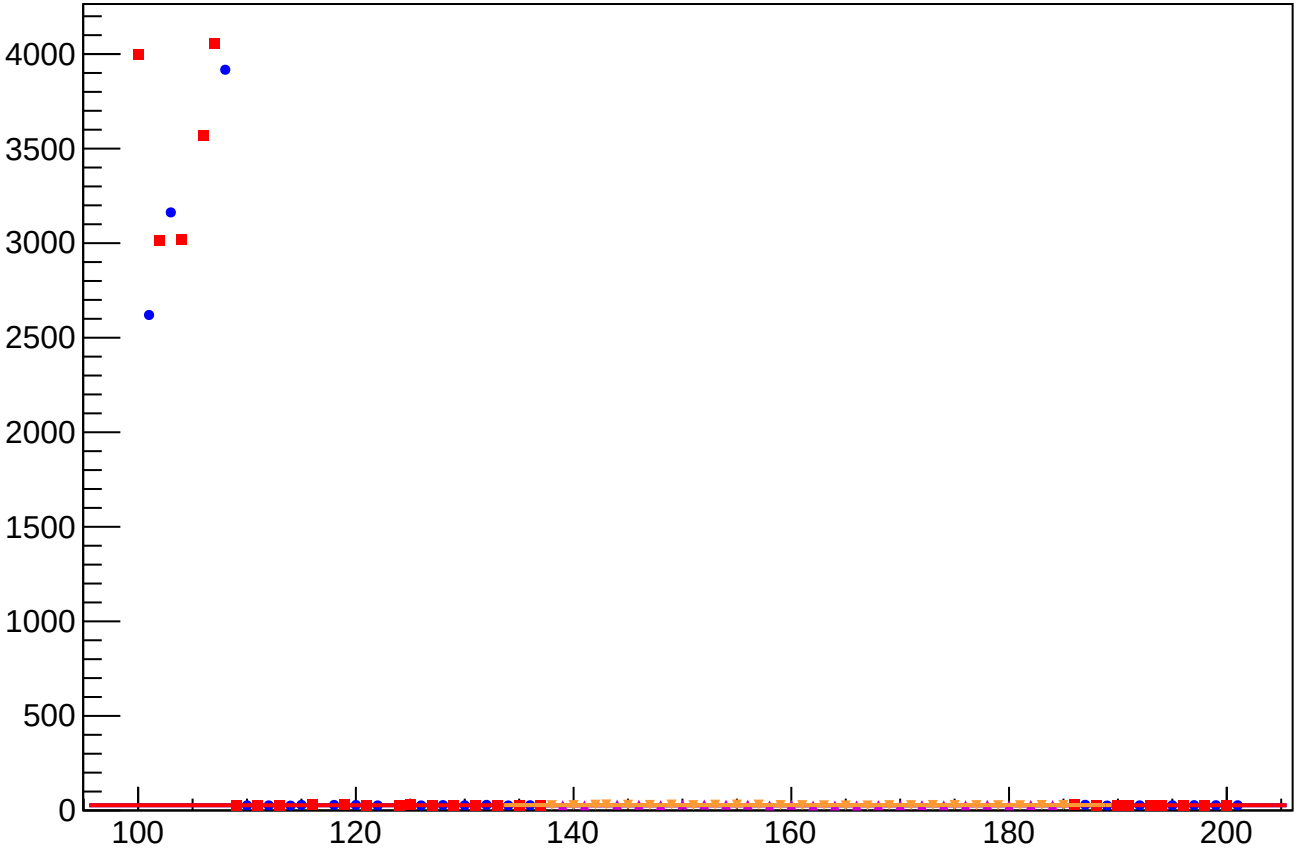
Right: 9.637+/-5.834 χ^2/NDF: 46.8/50

In: 3.044+/-5.242 χ^2/NDF:45.7/45

Out: -3.322+/-5.075 χ^2/NDF:58.9/52

All: -0.242+/-3.646 χ^2/NDF: 105.4/98

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: 27.579+/-0.006 χ^2/NDF: 3582784.8/27

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

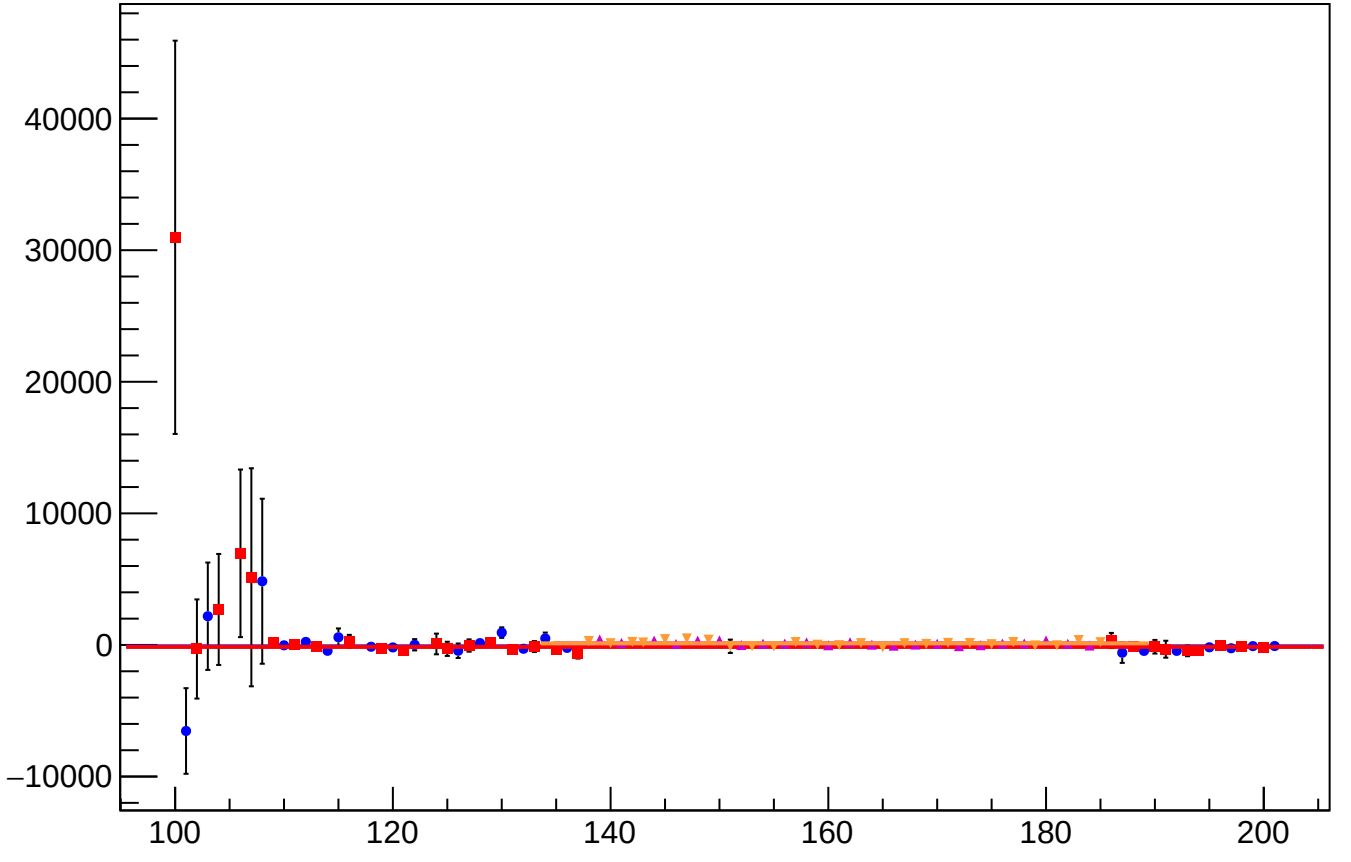
Right: 27.541+/-0.004 χ^2/NDF: 6856448.7/50

In: 28.176+/-0.004 χ^2/NDF:3417676.8/45

Out: 28.190+/-0.004 χ^2/NDF:3689685.6/52

All: 28.183+/-0.003 χ^2/NDF: 7107370.4/98

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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: -145.637+/-55.224 χ^2/NDF: 18.3/27

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

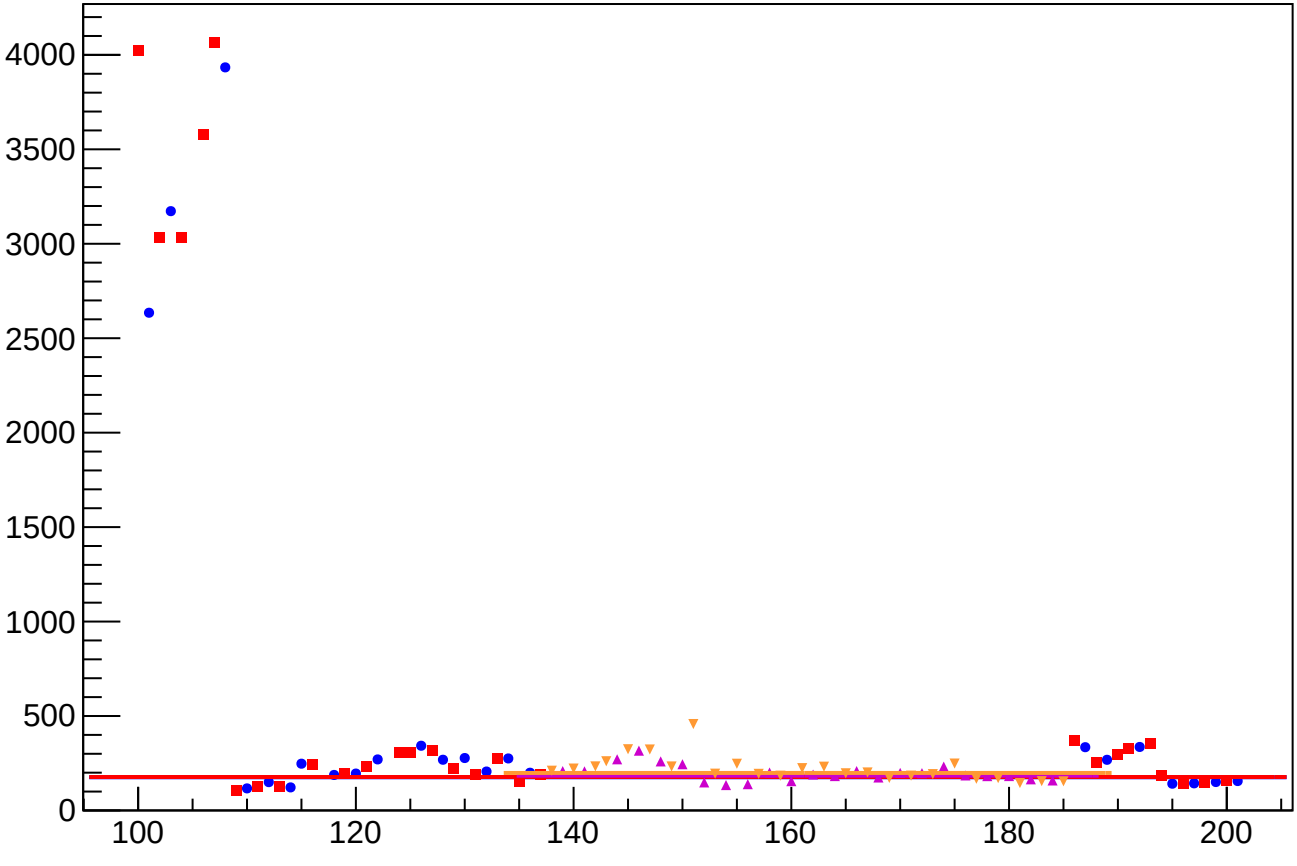
Right: -127.547+/-39.442 χ^2/NDF: 41.4/50

In: 29.158+/-35.061 χ^2/NDF:41.1/45

Out: 10.011+/-35.714 χ^2/NDF:43.9/52

All: 19.761+/-25.020 χ^2/NDF: 85.1/98

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: 177.007+/-0.039 χ^2/NDF: 5487533.0/27

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

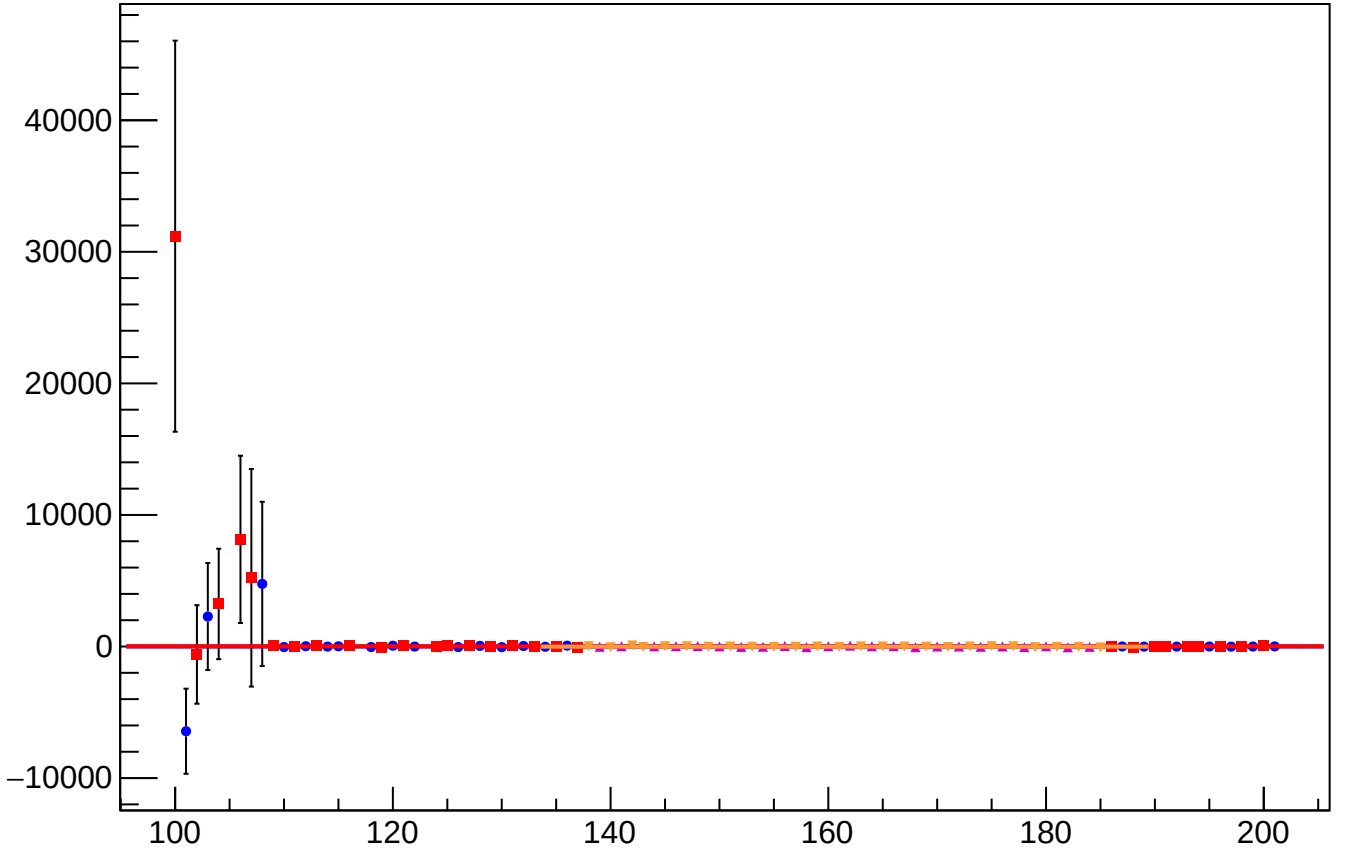
Right: 176.386+/-0.028 χ^2/NDF: 10301436.6/50

In: 180.833+/-0.025 χ^2/NDF:6285481.5/45

Out: 189.552+/-0.025 χ^2/NDF:7566433.4/52

All: 185.112+/-0.018 χ^2/NDF: 13912608.3/98

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: 16.098+/-8.109 χ^2/NDF: 28.2/27

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

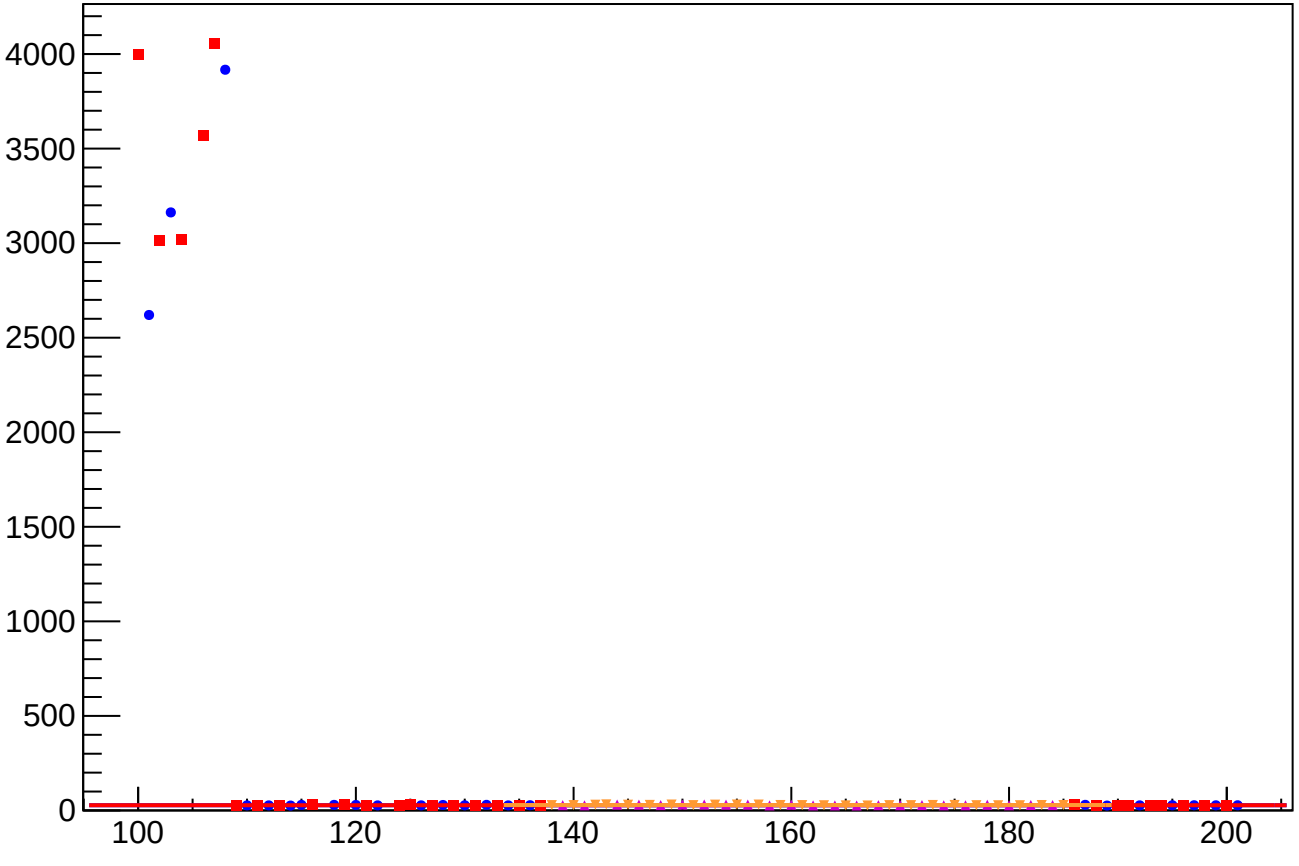
Right: 9.388+/-5.839 χ^2/NDF: 48.5/50

In: 2.415+/-5.257 χ^2/NDF:41.0/45

Out: -0.842+/-5.091 χ^2/NDF:53.3/52

All: 0.734+/-3.657 χ^2/NDF: 94.6/98

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: 27.613+/-0.006 χ^2/NDF: 3579724.5/27

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

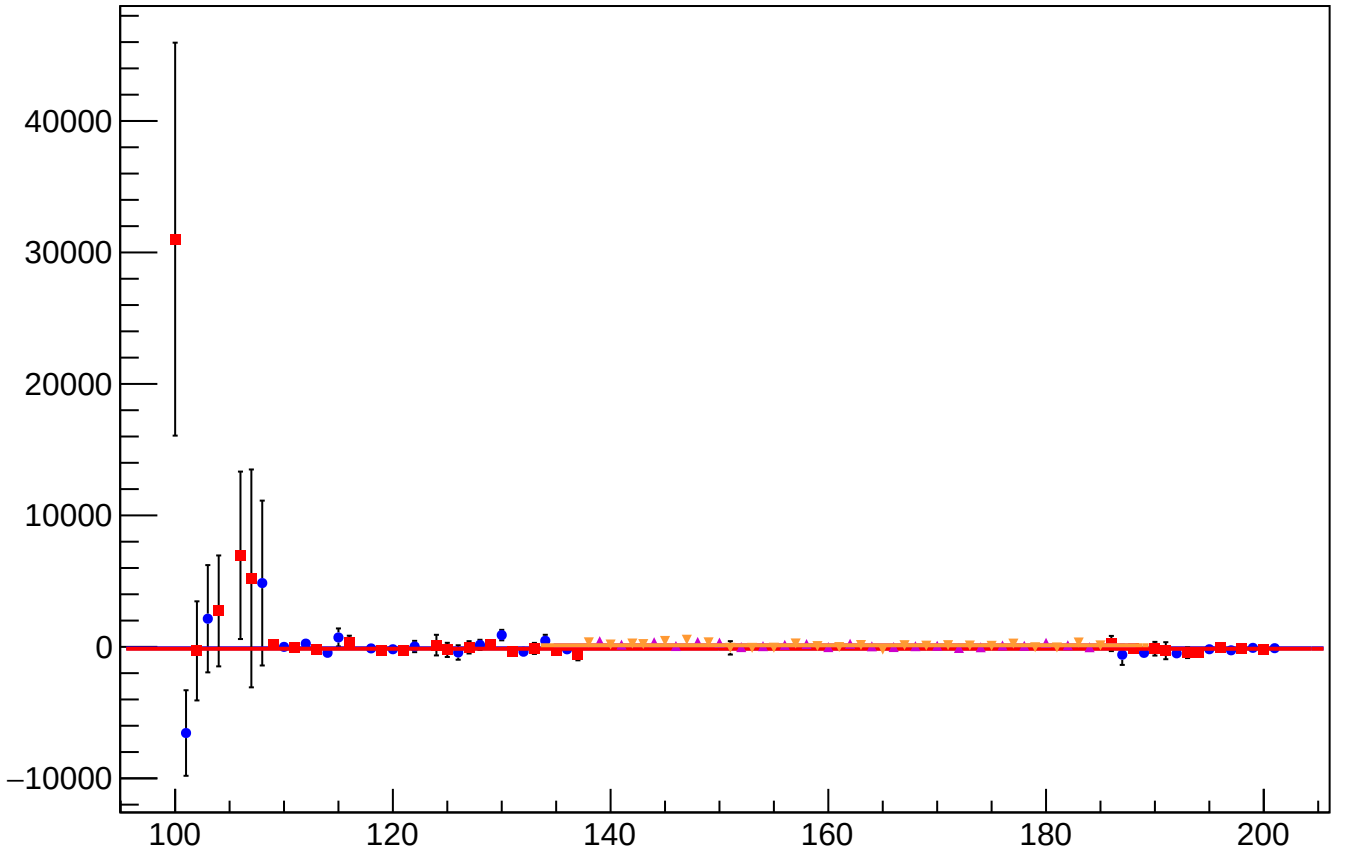
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.565+/-0.004 χ^2/NDF: 6854920.3/50

In: 28.254+/-0.004 χ^2/NDF:3427814.7/45

Out: 28.276+/-0.004 χ^2/NDF:3700659.1/52

All: 28.265+/-0.003 χ^2/NDF: 7128492.2/98



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: -143.256+/-55.728 χ^2/NDF: 17.5/27

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

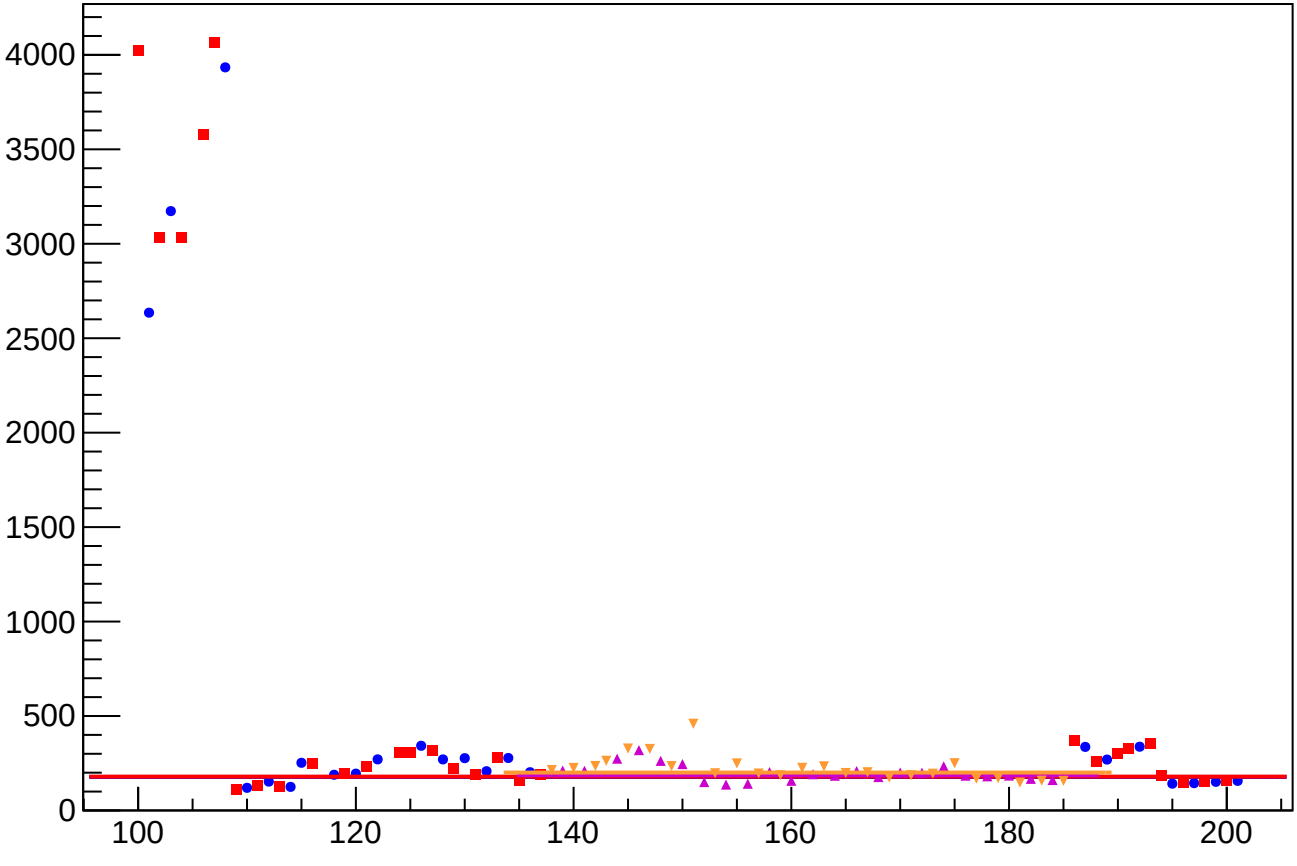
Right: -126.017+/-39.785 χ^2/NDF: 41.2/50

In: 33.291+/-35.405 χ^2/NDF:42.1/45

Out: 11.431+/-36.062 χ^2/NDF:42.1/52

All: 22.562+/-25.264 χ^2/NDF: 84.4/98

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: 178.939+/-0.039 χ^2/NDF: 5419578.1/27

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

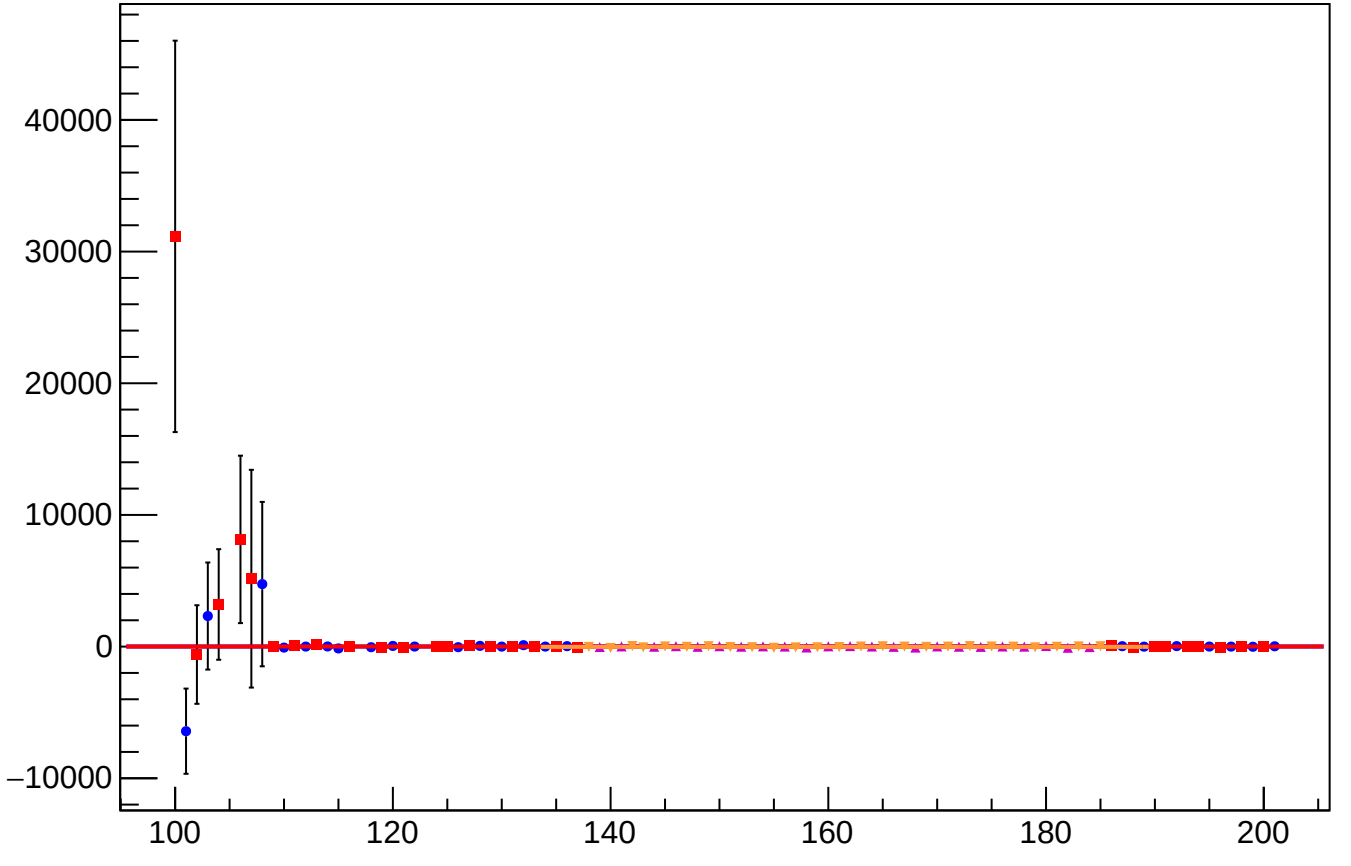
Right: 178.167+/-0.028 χ^2/NDF: 10199353.1/50

In: 182.751+/-0.025 χ^2/NDF:6221751.8/45

Out: 191.579+/-0.025 χ^2/NDF:7476695.2/52

All: 187.084+/-0.018 χ^2/NDF: 13759488.2/98

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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: 6.371+/-9.873 χ^2/NDF: 30.2/27

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

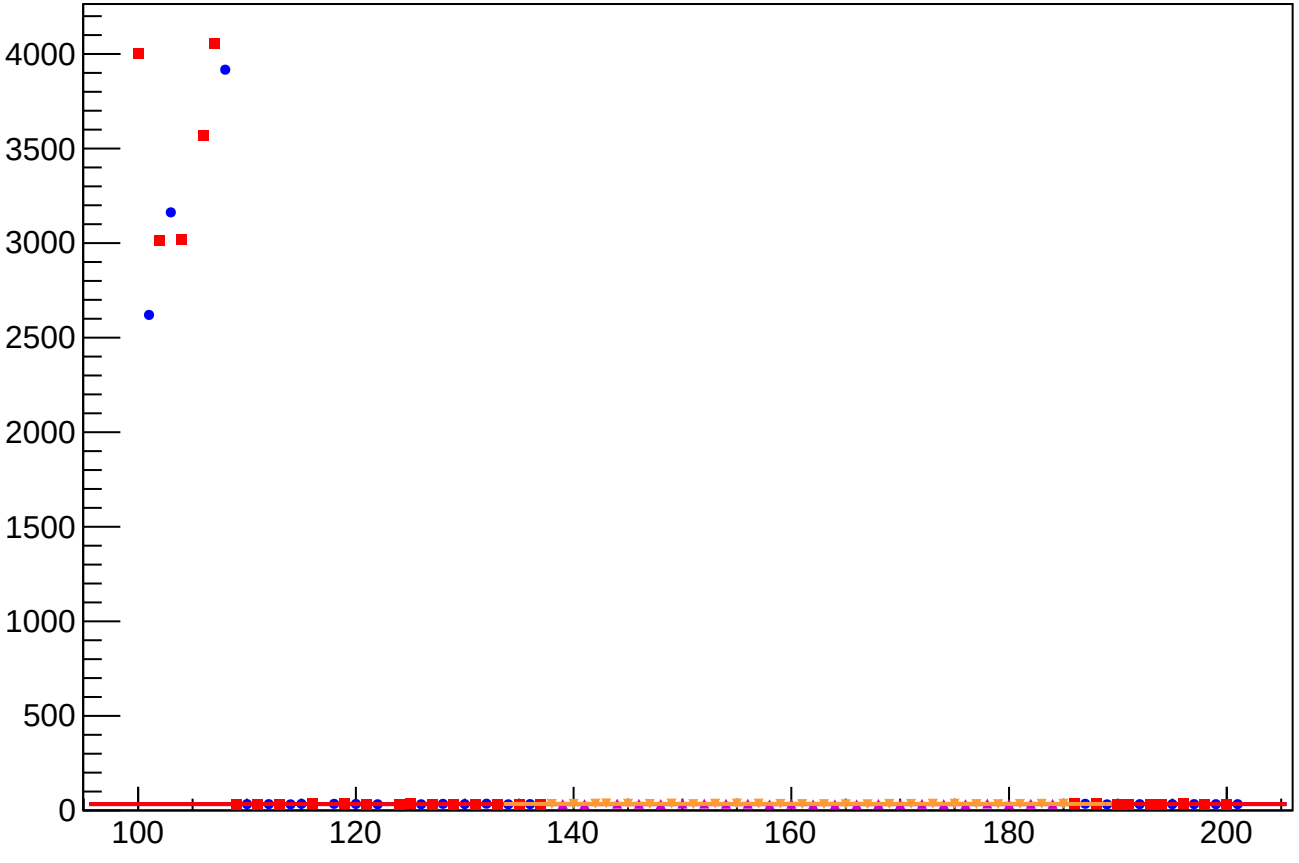
Right: 6.873+/-7.111 χ^2/NDF: 49.2/50

In: 0.359+/-6.347 χ^2/NDF:38.7/45

Out: -10.563+/-6.137 χ^2/NDF:57.9/52

All: -5.285+/-4.412 χ^2/NDF: 98.1/98

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: 33.673+/-0.007 χ^2/NDF: 3539789.0/27

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

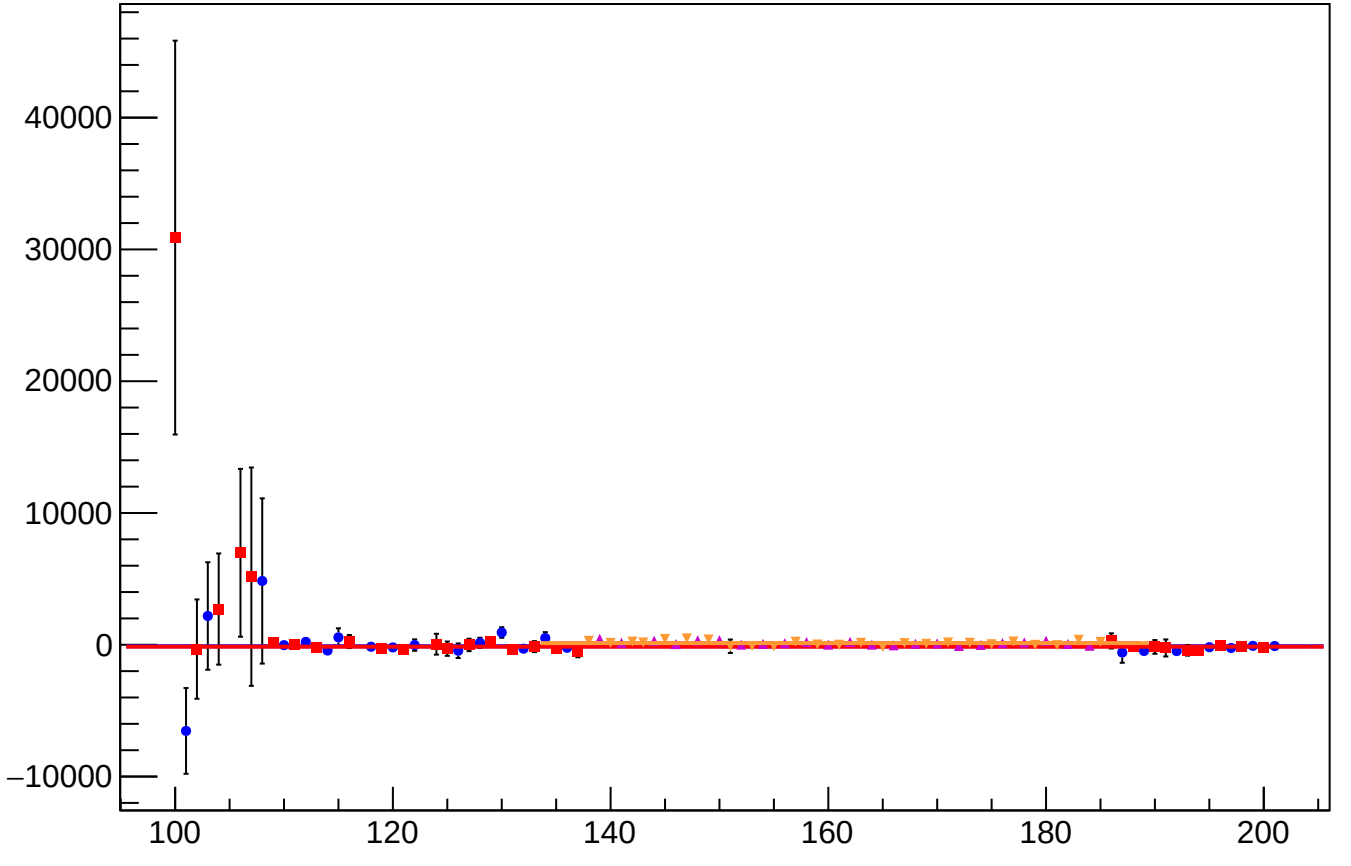
Right: 33.617+/-0.005 χ^2/NDF: 6789111.2/50

In: 34.171+/-0.004 χ^2/NDF:3320080.2/45

Out: 34.143+/-0.004 χ^2/NDF:3591857.7/52

All: 34.156+/-0.003 χ^2/NDF: 6911958.0/98

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: -143.547+/-55.487 χ^2/NDF: 16.9/27

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

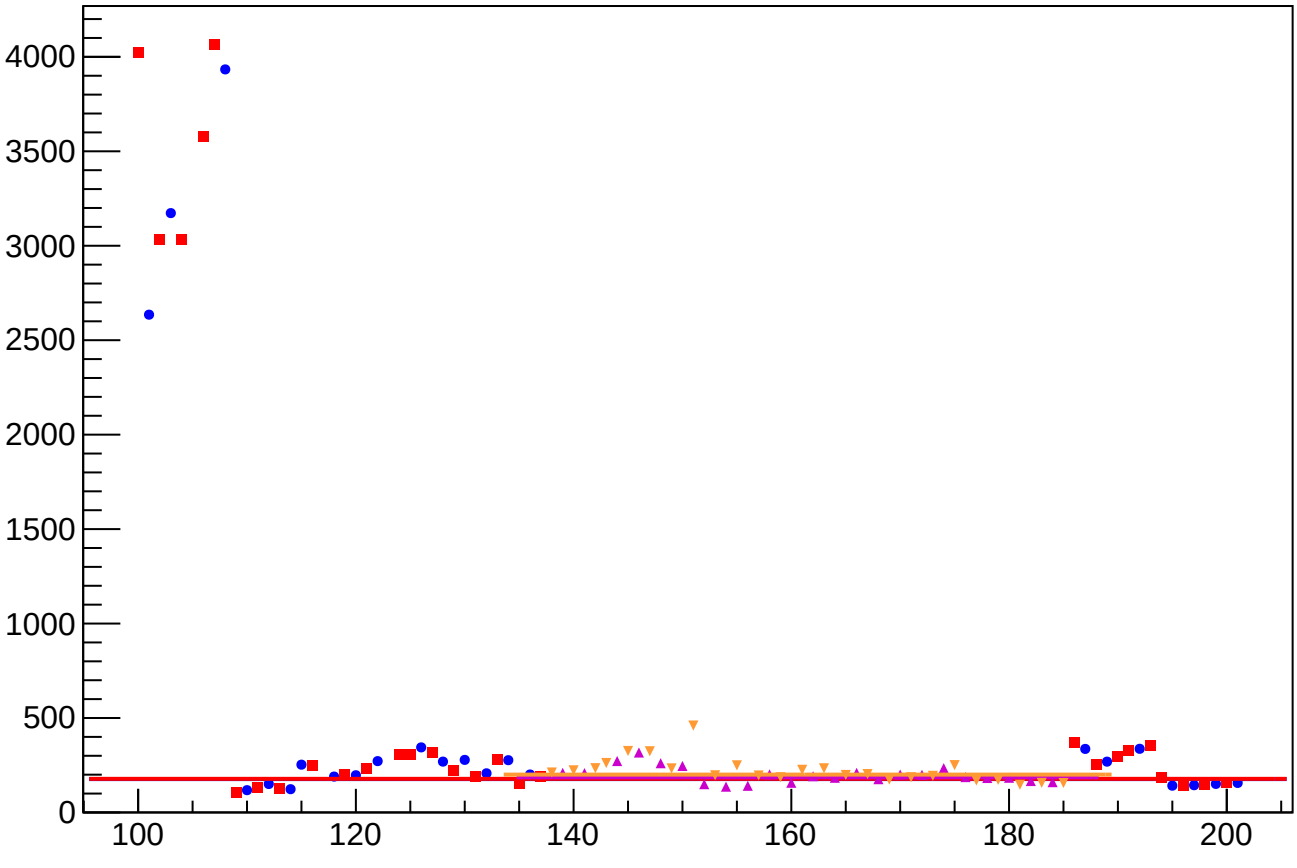
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -128.865+/-39.634 χ^2/NDF: 39.9/50

In: 30.832+/-35.327 χ^2/NDF:41.4/45

Out: 13.740+/-35.964 χ^2/NDF:42.4/52

All: 22.439+/-25.202 χ^2/NDF: 84.0/98



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: 177.922+/-0.039 χ^2/NDF: 5474133.8/27

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

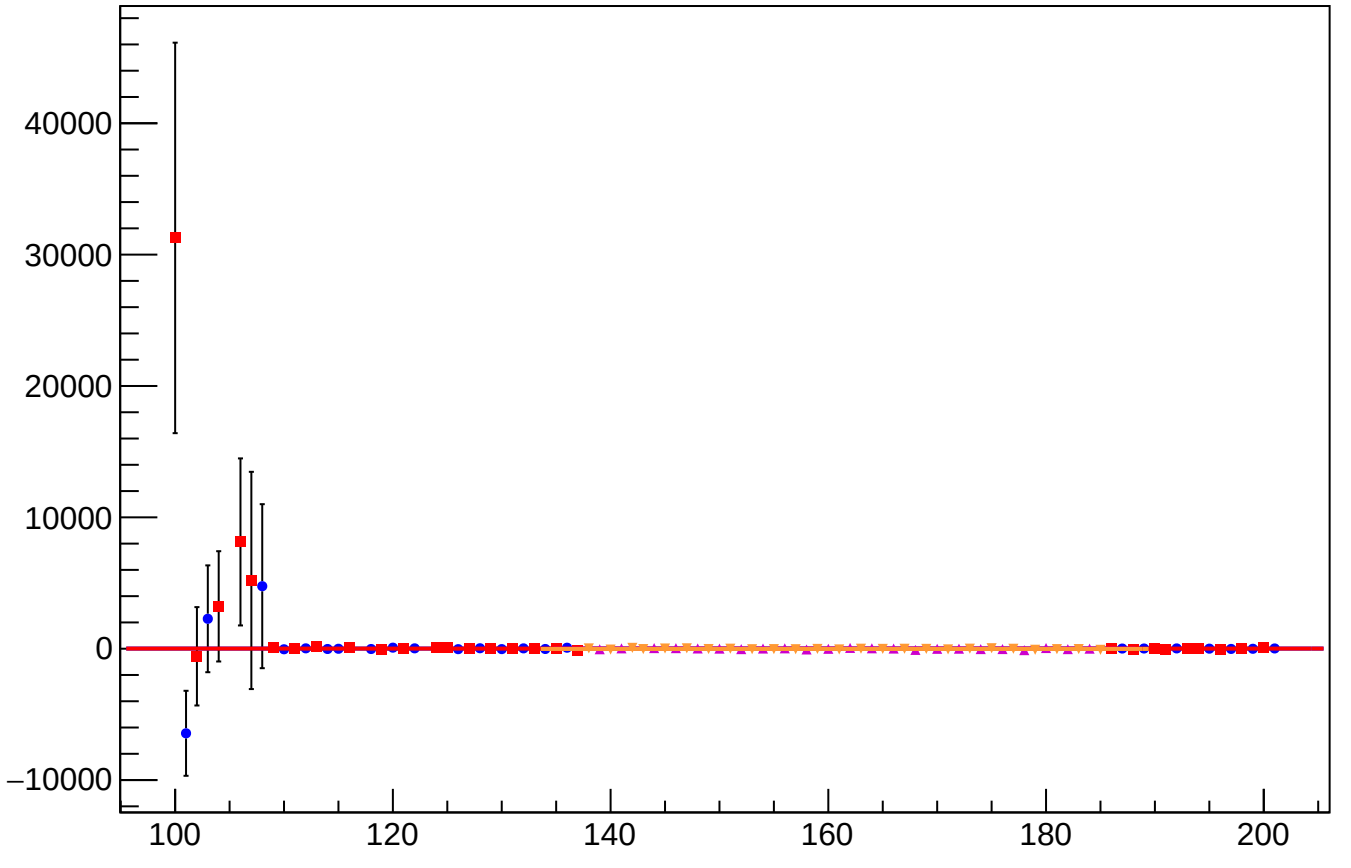
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 177.297+/-0.028 χ^2/NDF: 10283340.9/50

In: 182.282+/-0.025 χ^2/NDF:6246628.7/45

Out: 190.940+/-0.025 χ^2/NDF:7540526.8/52

All: 186.534+/-0.018 χ^2/NDF: 13846151.6/98



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: 8.921+/-8.953 χ^2/NDF: 38.3/27

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

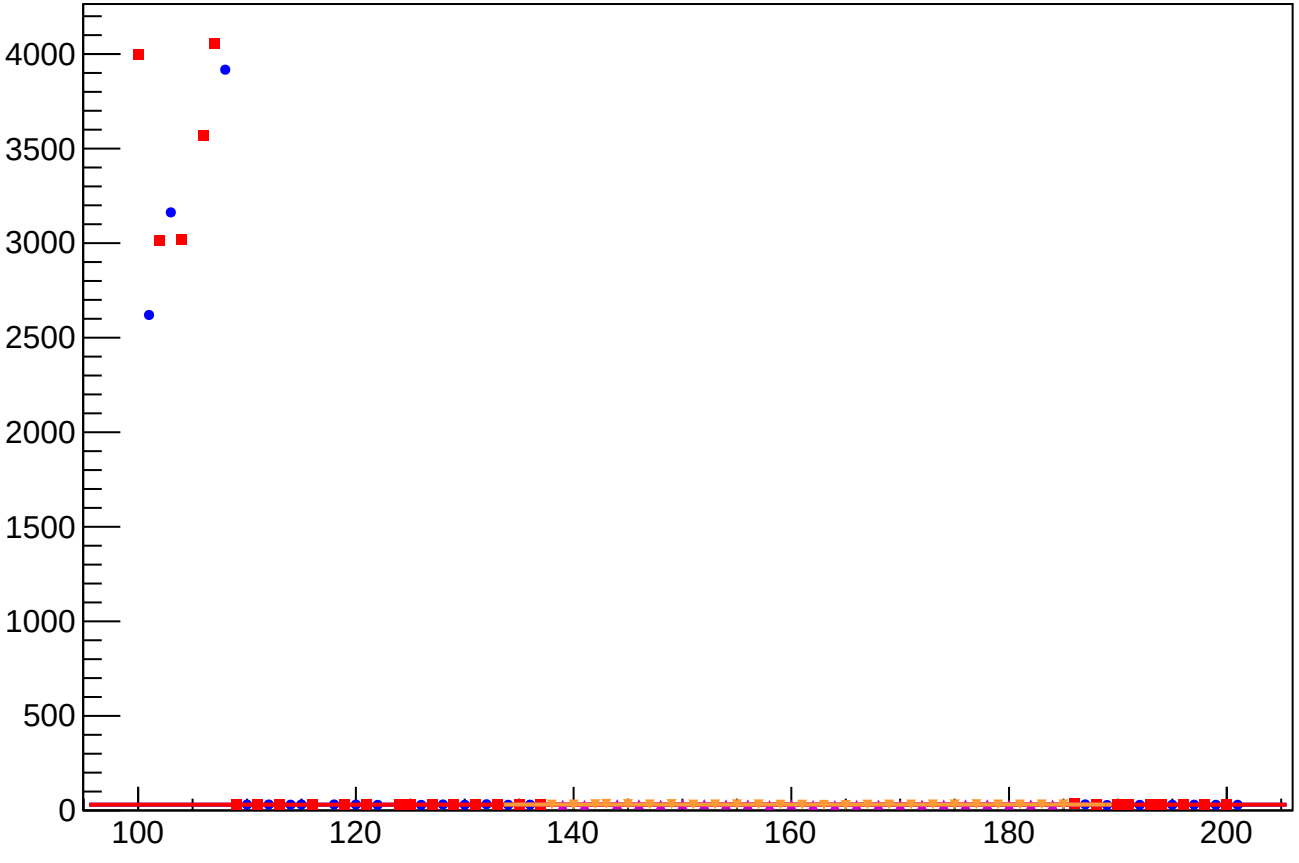
Right: 9.453+/-6.450 χ^2/NDF: 55.0/50

In: 2.185+/-5.766 χ^2/NDF:53.4/45

Out: -7.899+/-5.580 χ^2/NDF:64.5/52

All: -3.022+/-4.010 χ^2/NDF: 119.5/98

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: 30.507+/-0.006 χ^2/NDF: 3556946.2/27

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

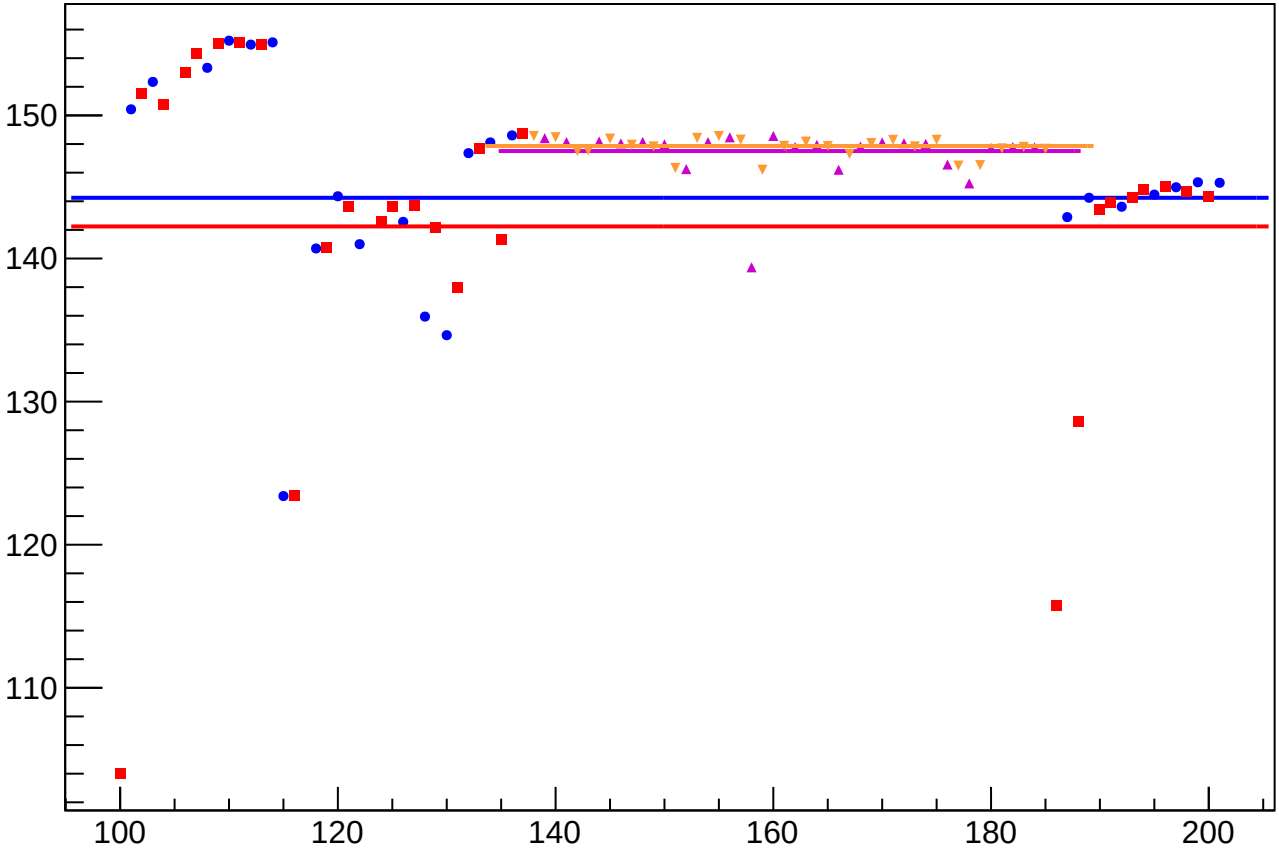
Right: 30.469+/-0.005 χ^2/NDF: 6820261.9/50

In: 31.014+/-0.004 χ^2/NDF:3361361.4/45

Out: 31.016+/-0.004 χ^2/NDF:3630542.0/52

All: 31.015+/-0.003 χ^2/NDF: 6991903.6/98

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: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

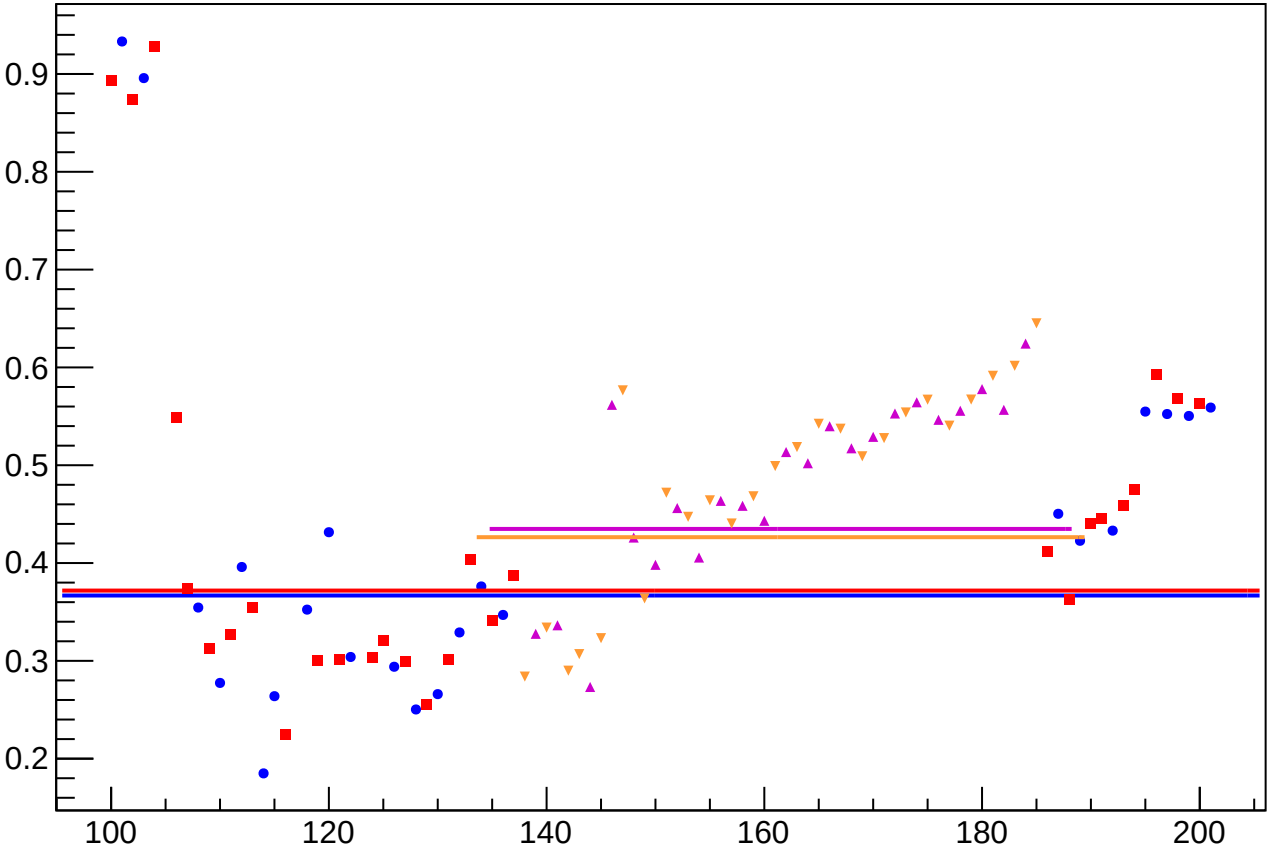
Right: 143.195+/-0.000 χ^2/NDF: 11401669735.1/50

In: 146.008+/-0.000 χ^2/NDF:4480487395.7/45

Out: 145.263+/-0.000 χ^2/NDF:8969894301.3/52

All: 145.619+/-0.000 χ^2/NDF: 13498213477.

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: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

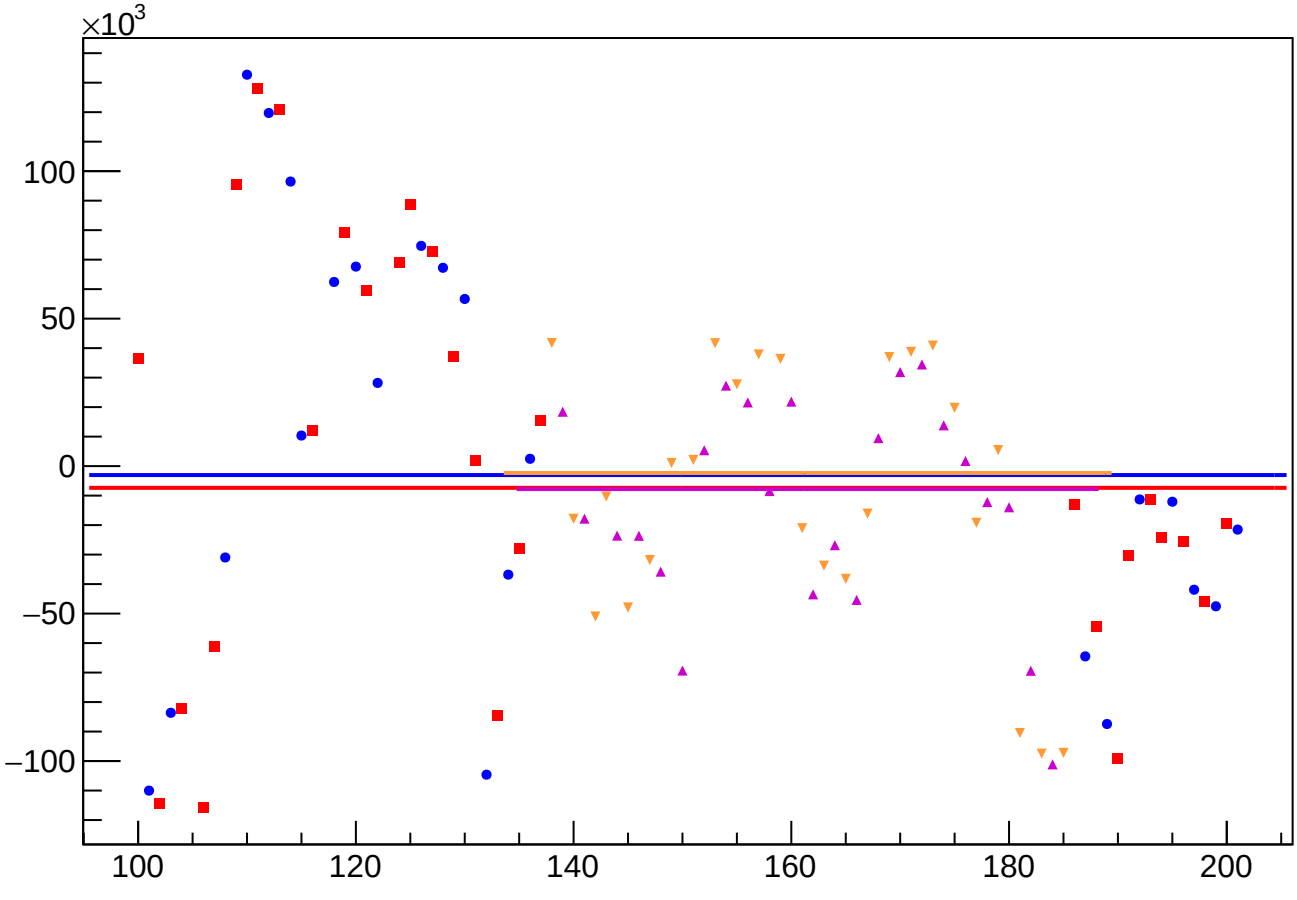
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.369+/-0.000 χ^2/NDF: 4718687.8/50

In: 0.404+/-0.000 χ^2/NDF:4576867.6/45

Out: 0.401+/-0.000 χ^2/NDF:4821547.1/52

All: 0.402+/-0.000 χ^2/NDF: 9399392.1/98



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: -7366.175+/-1.435 χ^2/NDF: 2227296742.8/27

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

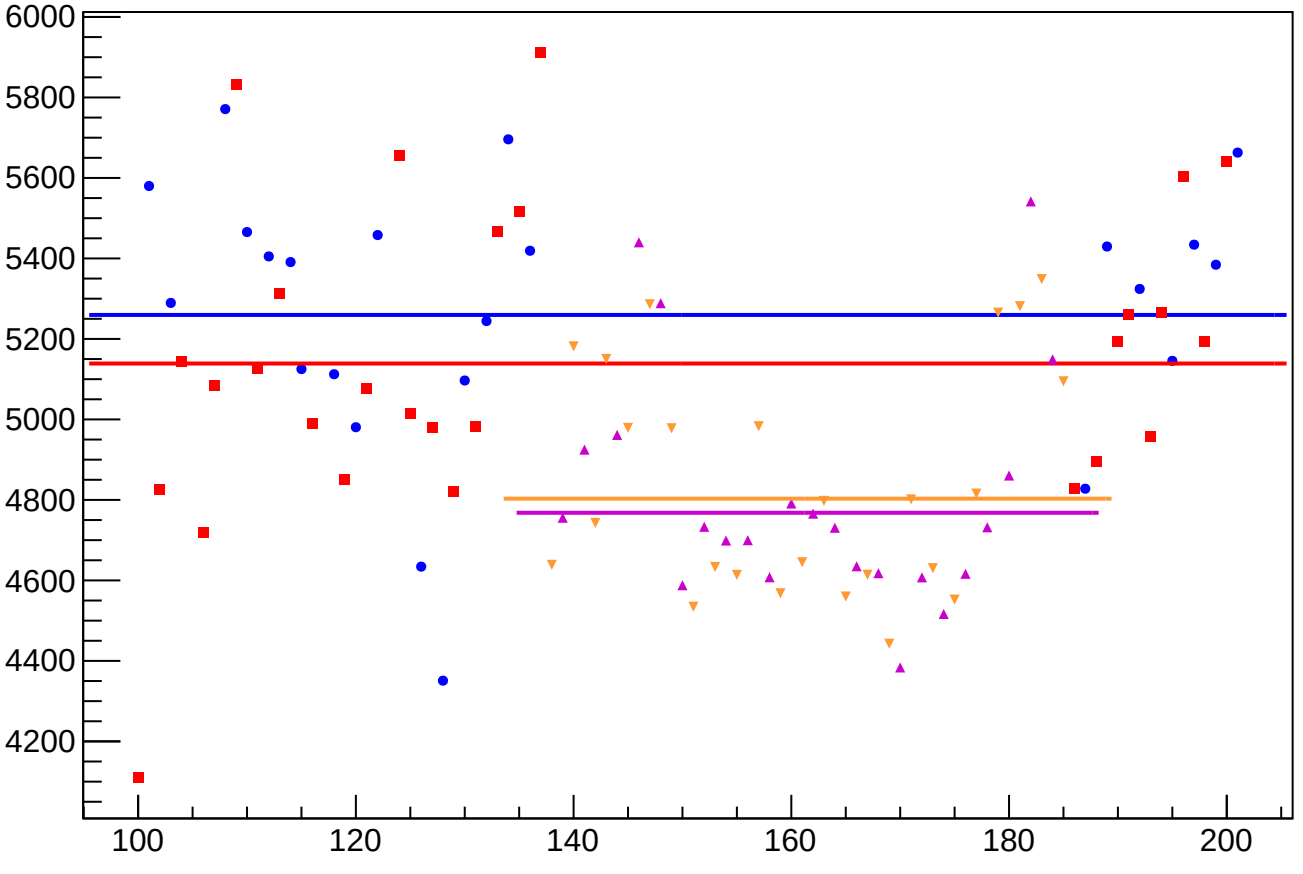
Right: -5370.052+/-1.054 χ^2/NDF: 3992270836.3/5

In: -6113.595+/-0.921 χ^2/NDF:2529346270.7/45

Out: -4252.828+/-0.884 χ^2/NDF:3464919359.4/52

All: -5145.328+/-0.638 χ^2/NDF: 599638852

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: 5138.890+/-1.015 χ^2/NDF: 95057.1/27

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

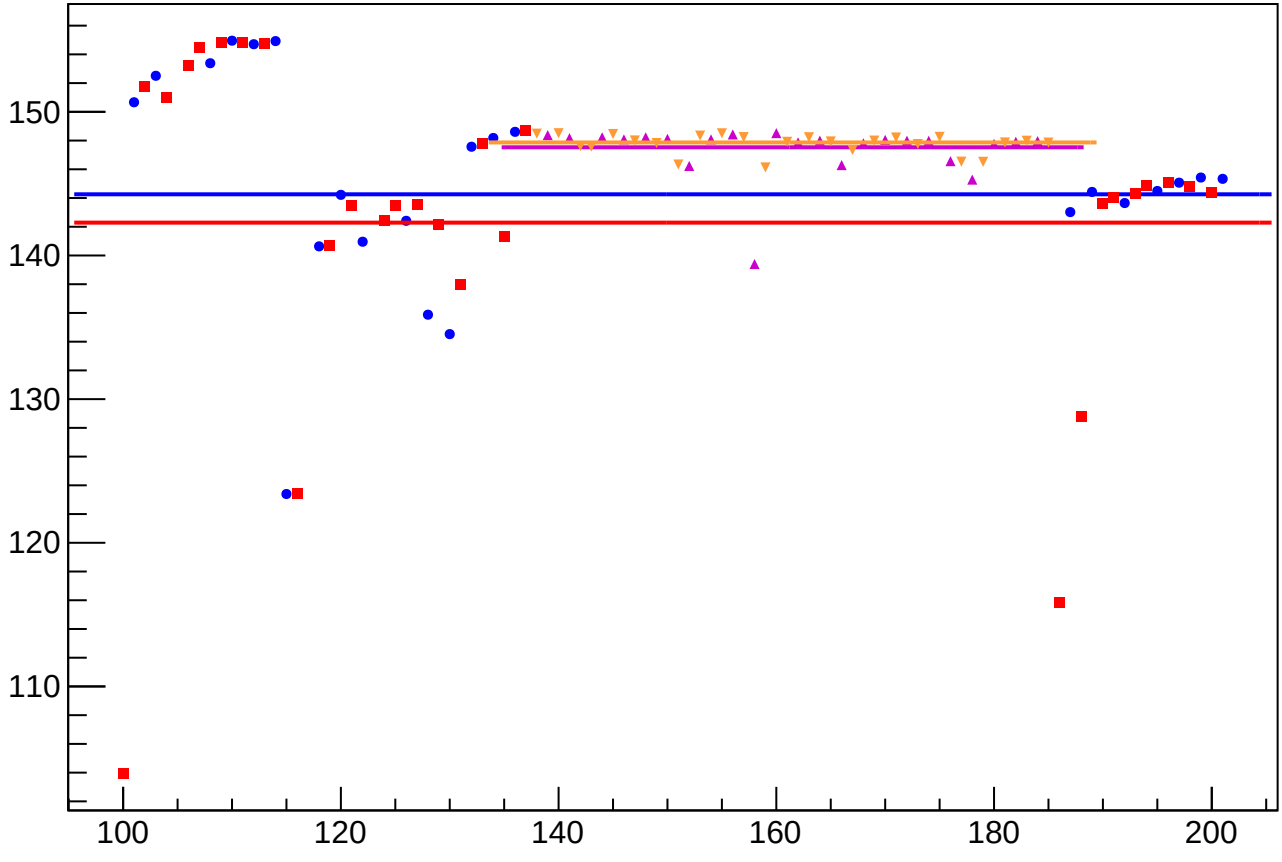
Right: 5194.511+/-0.745 χ^2/NDF: 195819.0/50

In: 4941.149+/-0.651 χ^2/NDF:326501.0/45

Out: 4930.714+/-0.625 χ^2/NDF:277637.8/52

All: 4935.719+/-0.451 χ^2/NDF: 604272.3/98

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: 142.288+/-0.000 χ^2/NDF: 7479542086.2/27

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

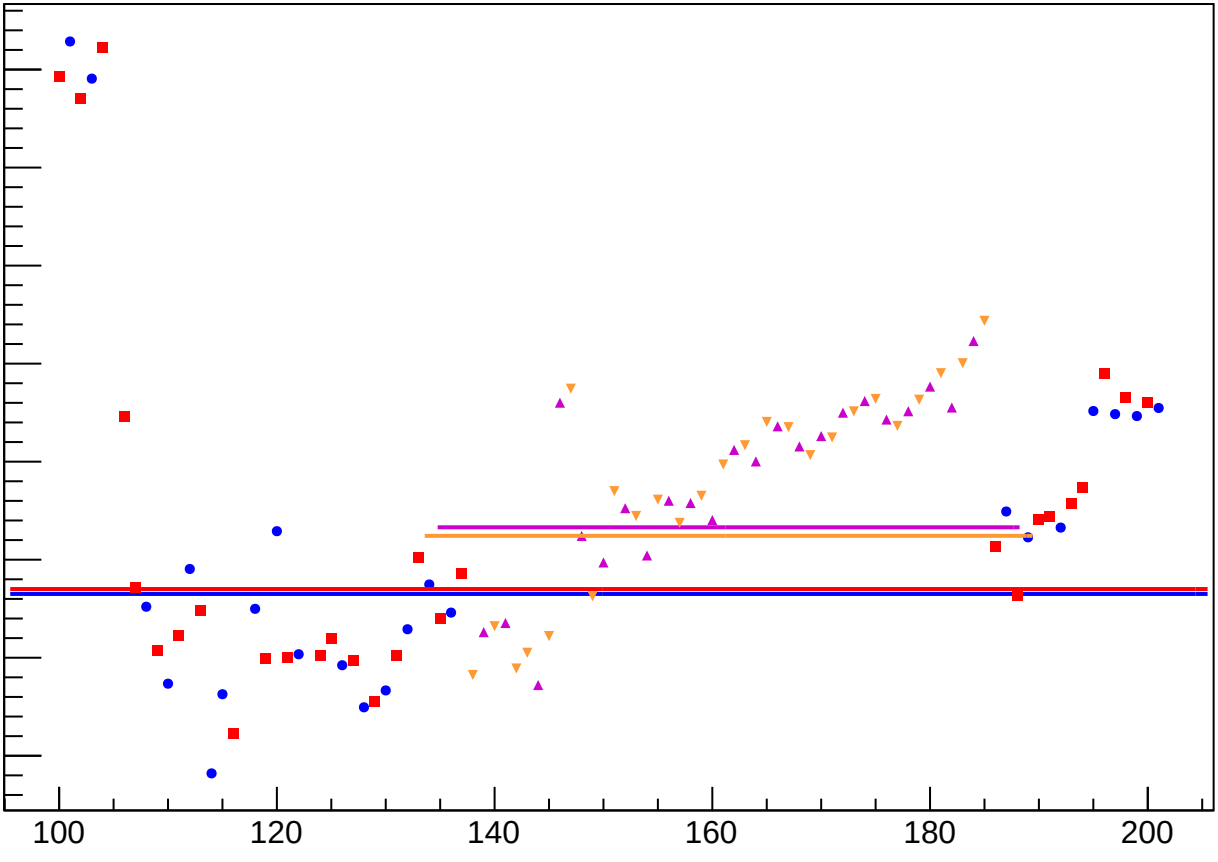
Right: 143.227+/-0.000 χ^2/NDF: 11412774040.3/50

In: 146.025+/-0.000 χ^2/NDF:4527616398.1/45

Out: 145.288+/-0.000 χ^2/NDF:8935731407.1/52

All: 145.640+/-0.000 χ^2/NDF: 13510633643.

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: 0.370+/-0.000 χ^2/NDF: 2301853.2/27

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

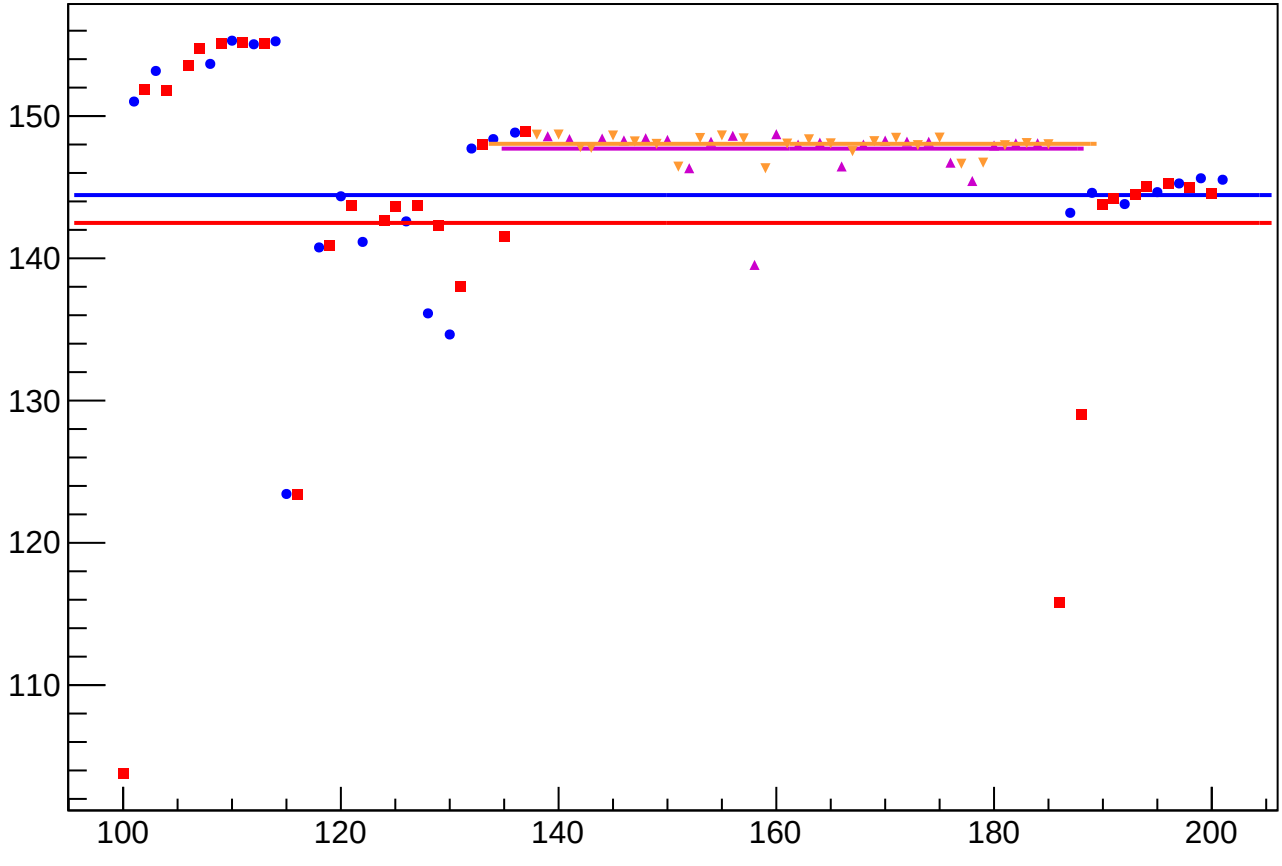
Right: 0.368+/-0.000 χ^2/NDF: 4723693.8/50

In: 0.402+/-0.000 χ^2/NDF:4573578.0/45

Out: 0.399+/-0.000 χ^2/NDF:4829641.0/52

All: 0.400+/-0.000 χ^2/NDF: 9404313.3/98

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: 142.488+/-0.000 χ^2/NDF: 7414844124.2/27

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

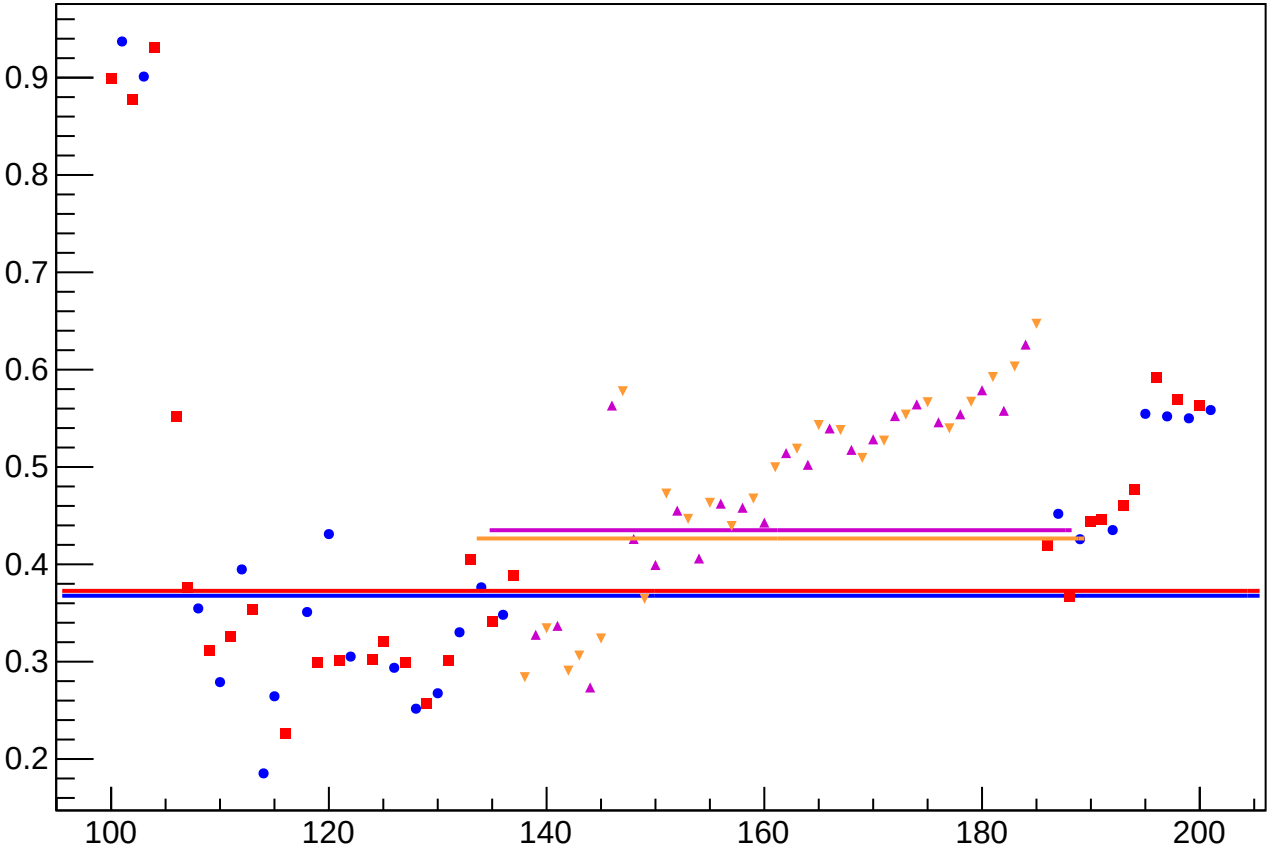
Right: 143.421+/-0.000 χ^2/NDF: 11337511451.5/50

In: 146.212+/-0.000 χ^2/NDF:4518891678.6/45

Out: 145.483+/-0.000 χ^2/NDF:8843486323.7/52

All: 145.831+/-0.000 χ^2/NDF: 13407999934.

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: 0.373+/-0.000 χ^2/NDF: 2298997.4/27

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

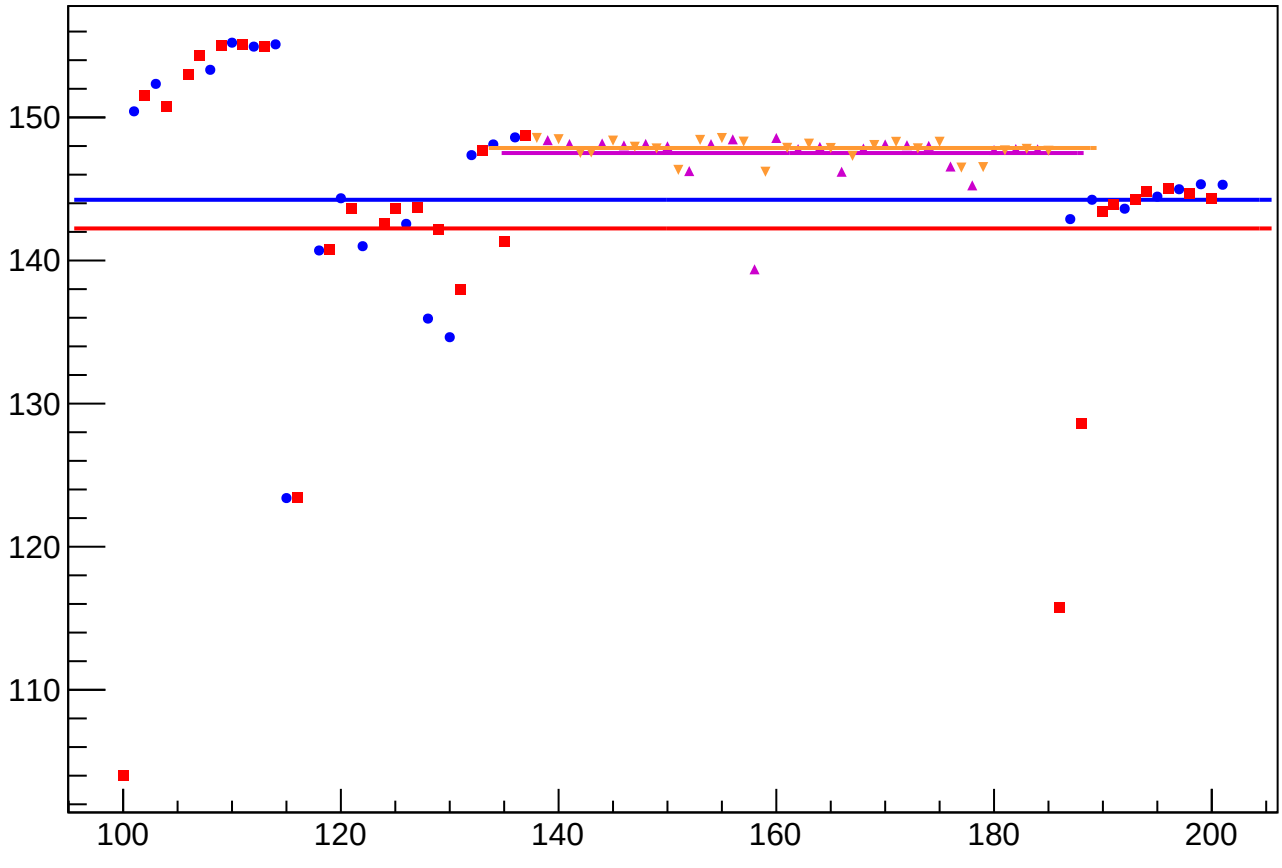
Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

Right: 0.370+/-0.000 χ^2/NDF: 4712109.1/50

In: 0.404+/-0.000 χ^2/NDF:4551693.0/45

Out: 0.402+/-0.000 χ^2/NDF:4815579.6/52

All: 0.403+/-0.000 χ^2/NDF: 9368281.4/98



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: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

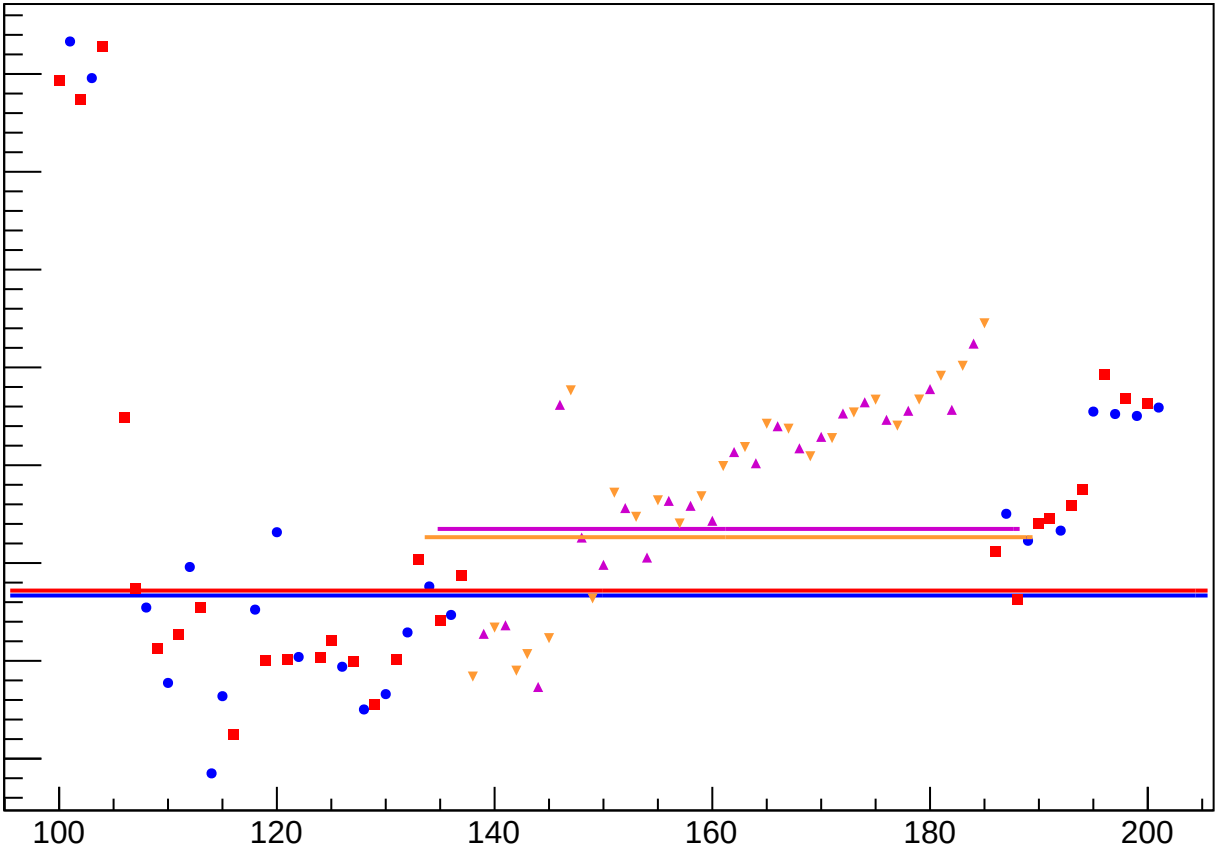
Right: 143.195+/-0.000 χ^2/NDF: 11401669735.1/50

In: 146.008+/-0.000 χ^2/NDF:4480487395.7/45

Out: 145.263+/-0.000 χ^2/NDF:8969894301.3/52

All: 145.619+/-0.000 χ^2/NDF: 13498213477.

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: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

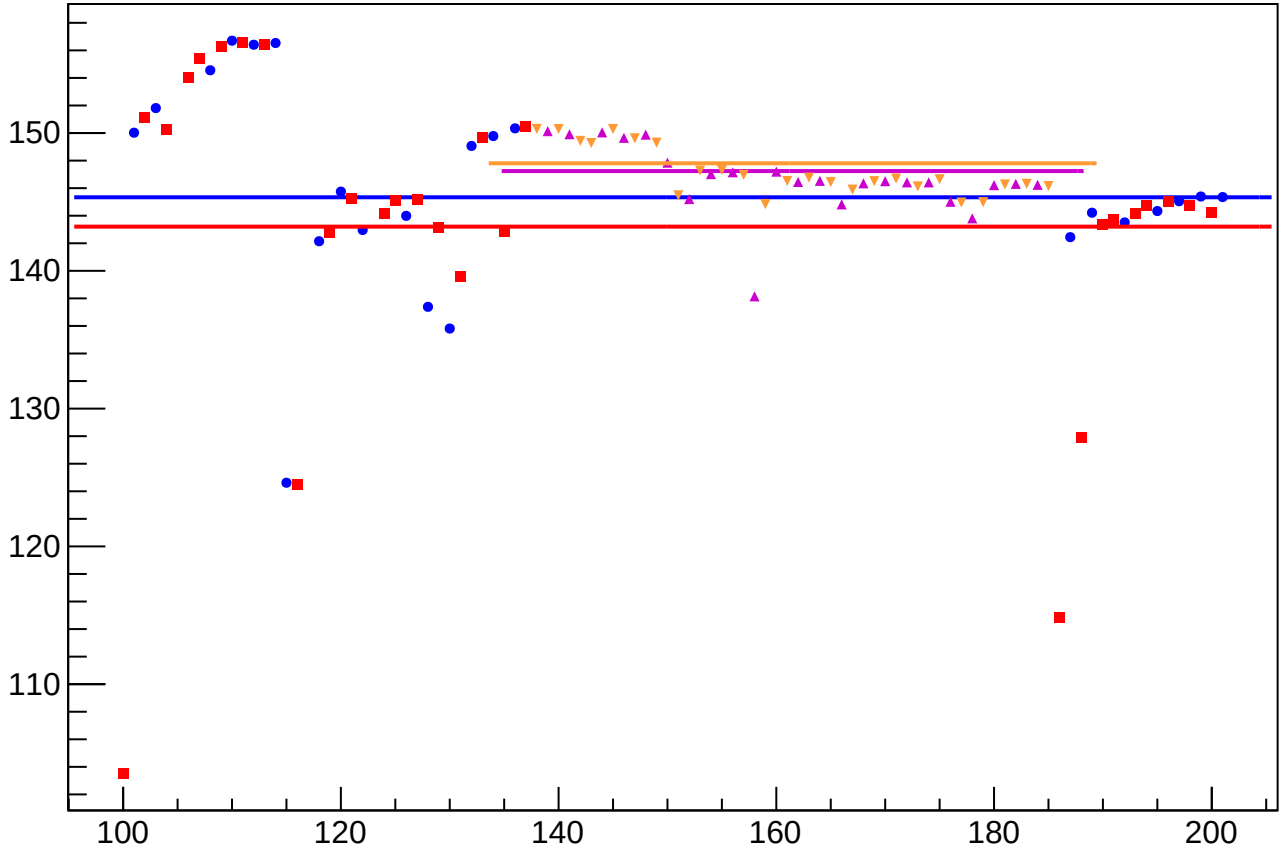
Right: 0.369+/-0.000 χ^2/NDF: 4718687.8/50

In: 0.404+/-0.000 χ^2/NDF:4576867.6/45

Out: 0.401+/-0.000 χ^2/NDF:4821547.1/52

All: 0.402+/-0.000 χ^2/NDF: 9399392.1/98

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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: 143.208+/-0.000 χ^2/NDF: 7599470517.2/27

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

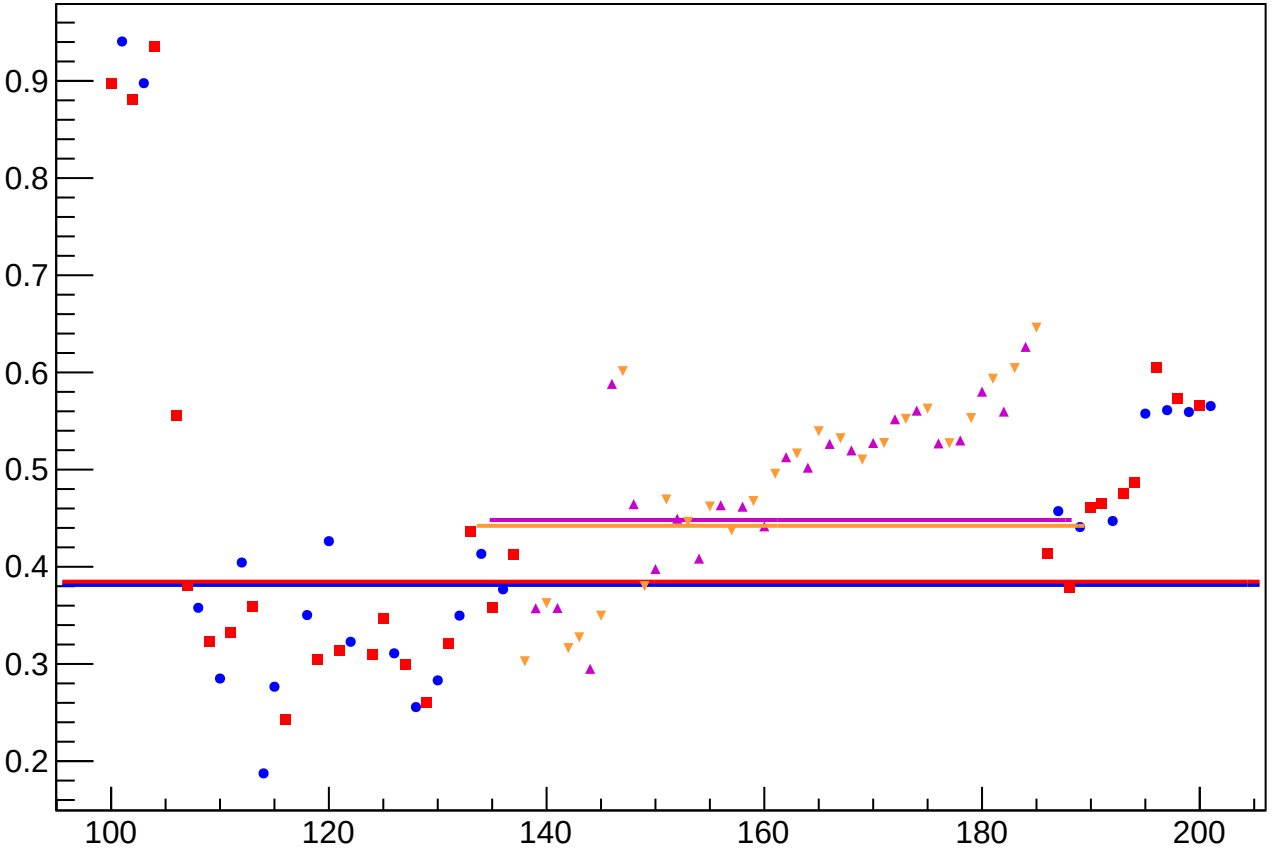
Right: 144.219+/-0.000 χ^2/NDF: 11282677195.9/50

In: 146.378+/-0.000 χ^2/NDF:4273154977.6/45

Out: 145.686+/-0.000 χ^2/NDF:8816598093.3/52

All: 146.018+/-0.000 χ^2/NDF: 13128598210.

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: 0.385+/-0.000 χ^2/NDF: 2201009.8/27

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

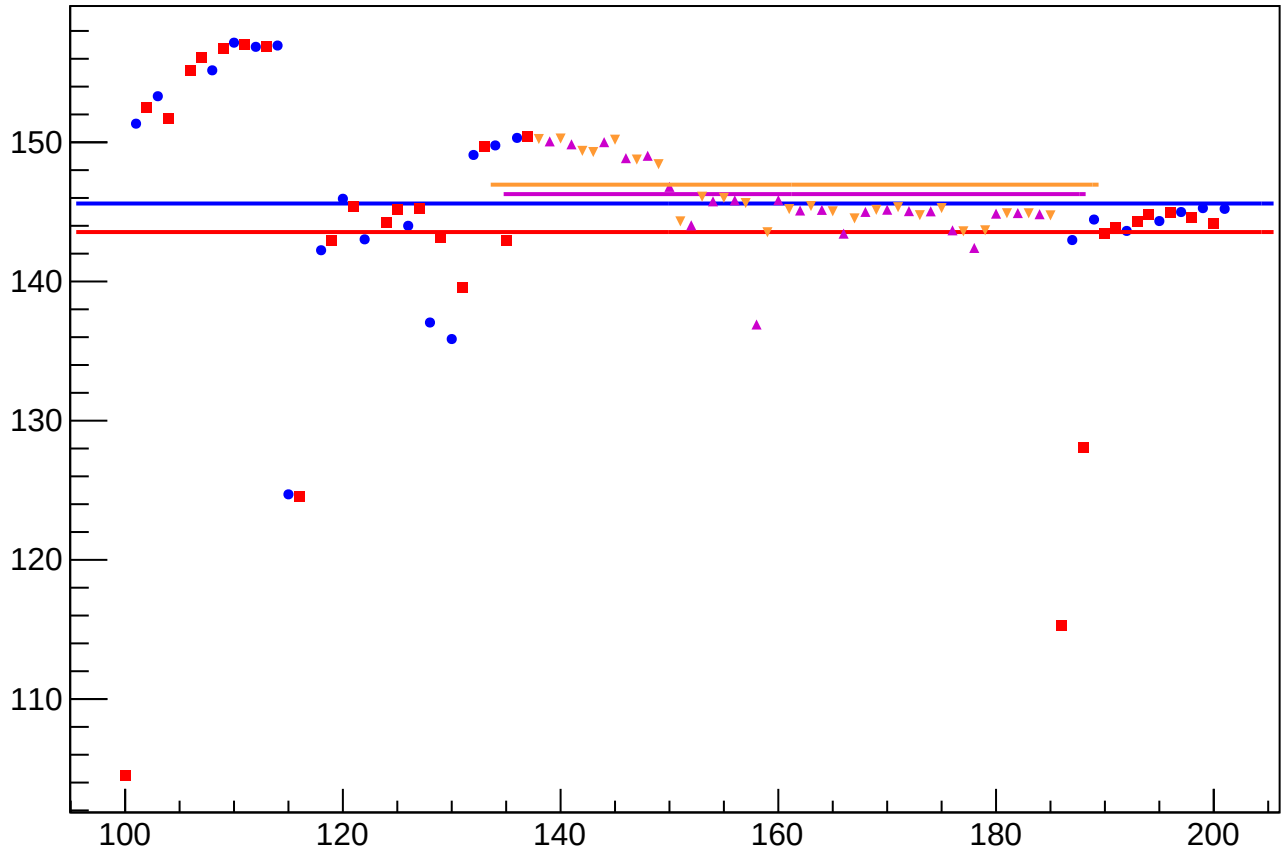
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.383+/-0.000 χ^2/NDF: 4503831.4/50

In: 0.418+/-0.000 χ^2/NDF:3993680.6/45

Out: 0.416+/-0.000 χ^2/NDF:4183912.9/52

All: 0.417+/-0.000 χ^2/NDF: 8178371.0/98



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: 143.552+/-0.000 χ^2/NDF: 7667962009.5/27

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

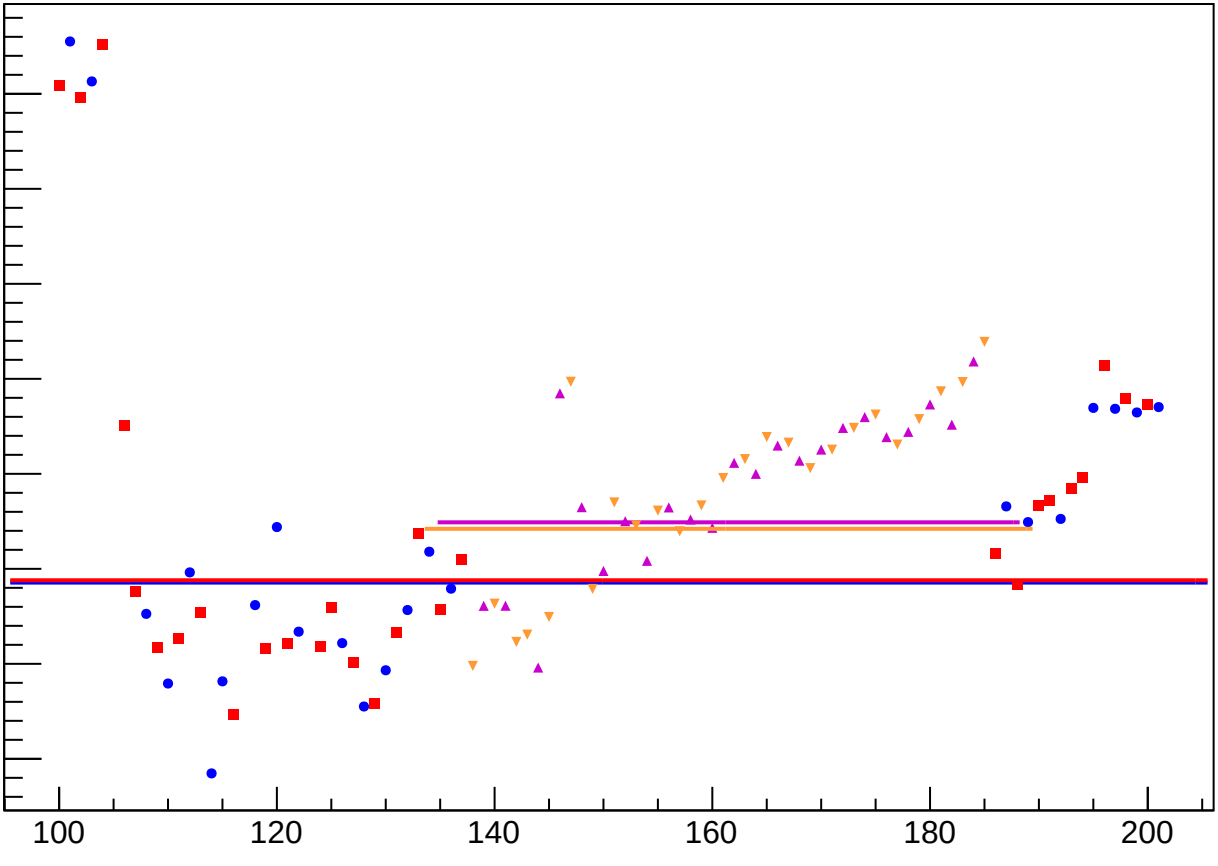
Right: 144.522+/-0.000 χ^2/NDF: 11481209042.4/50

In: 145.975+/-0.000 χ^2/NDF:4503490952.0/45

Out: 145.404+/-0.000 χ^2/NDF:8693745193.1/52

All: 145.677+/-0.000 χ^2/NDF: 13223362818.

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: 0.388+/-0.000 χ^2/NDF: 2221290.4/27

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

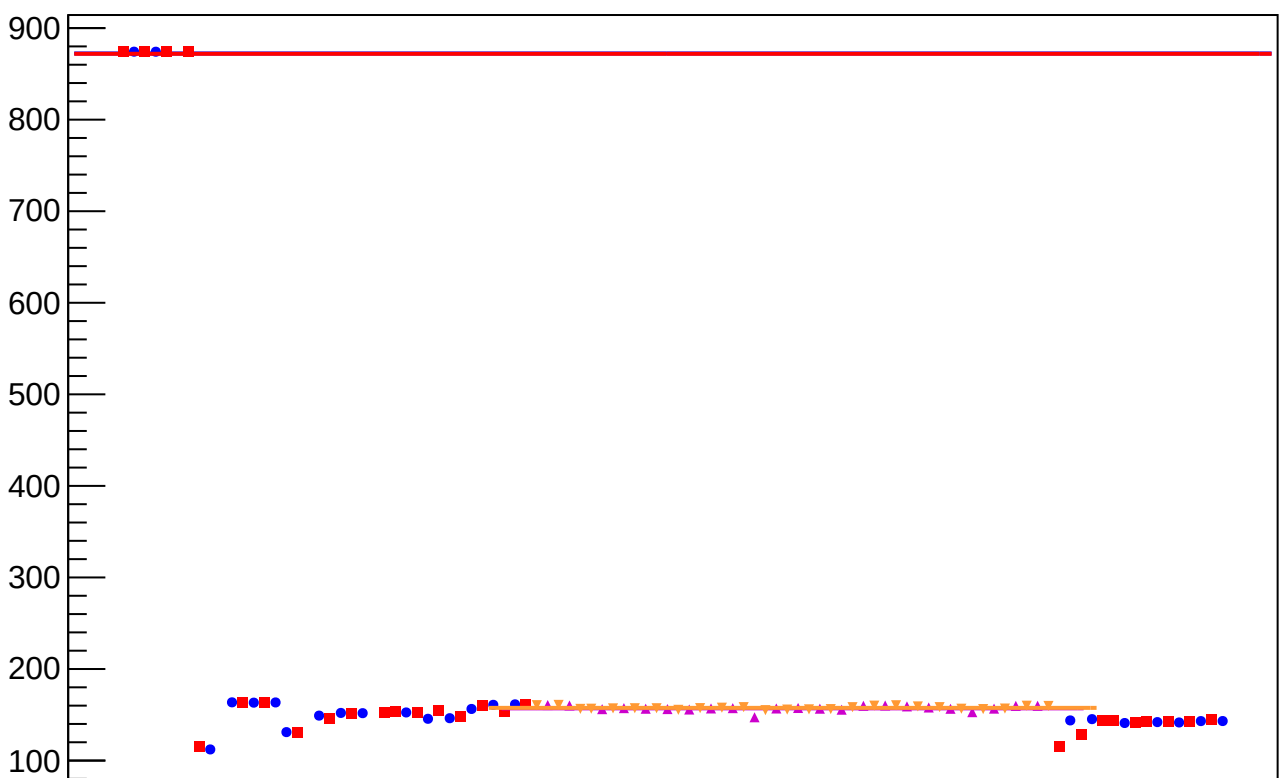
Right: 0.387+/-0.000 χ^2/NDF: 4556899.8/50

In: 0.421+/-0.000 χ^2/NDF:3941434.7/45

Out: 0.417+/-0.000 χ^2/NDF:4142546.4/52

All: 0.419+/-0.000 χ^2/NDF: 8085534.8/98

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: 871.929+/-0.000 χ^2/NDF: 136794403180 54.3/27

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

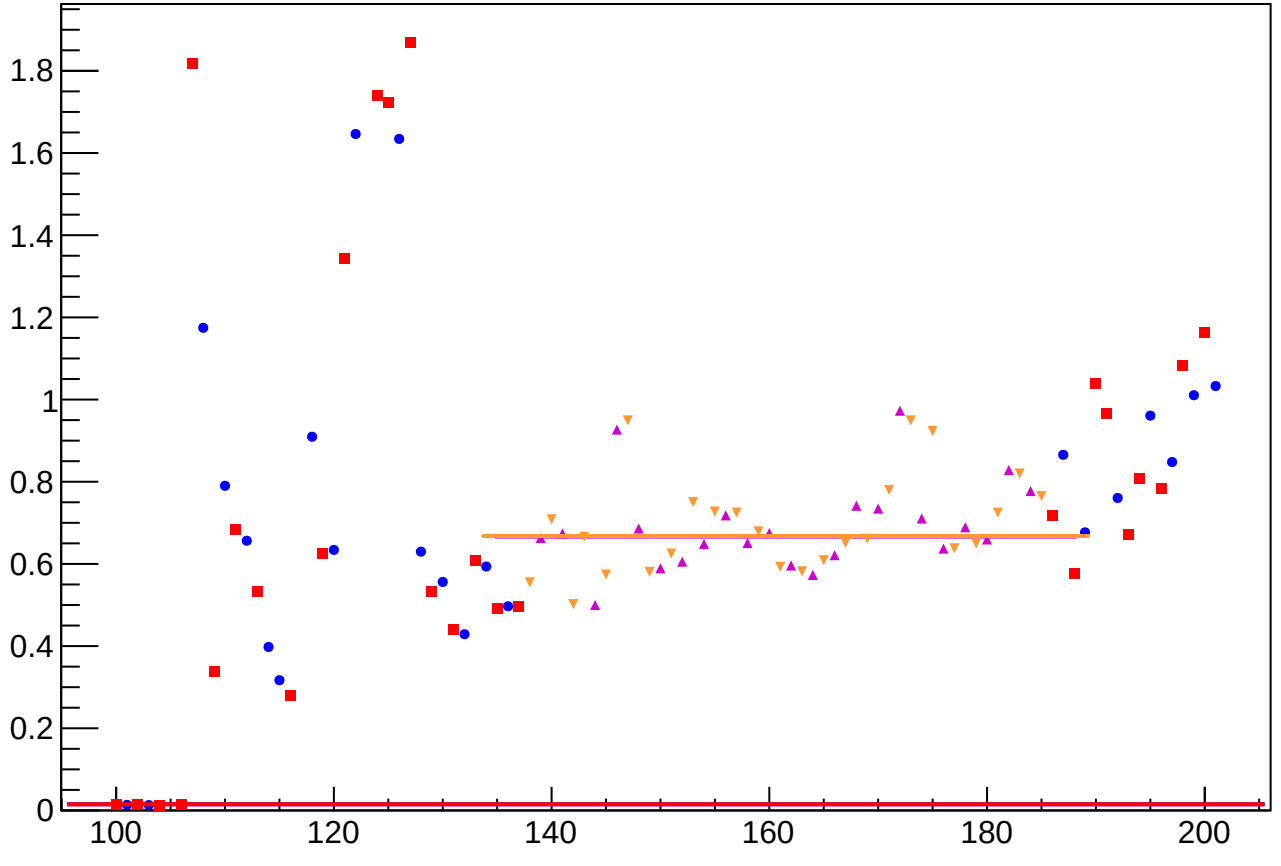
Right: 872.097+/-0.000 χ^2/NDF: 23641387969603.

In: 869.053+/-0.000 χ^2/NDF:26467643027387.4/4

Out: 868.996+/-0.000 χ^2/NDF:30898362418276.8

All: 869.022+/-0.000 χ^2/NDF: 573660179178

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: 19182921.5/27

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

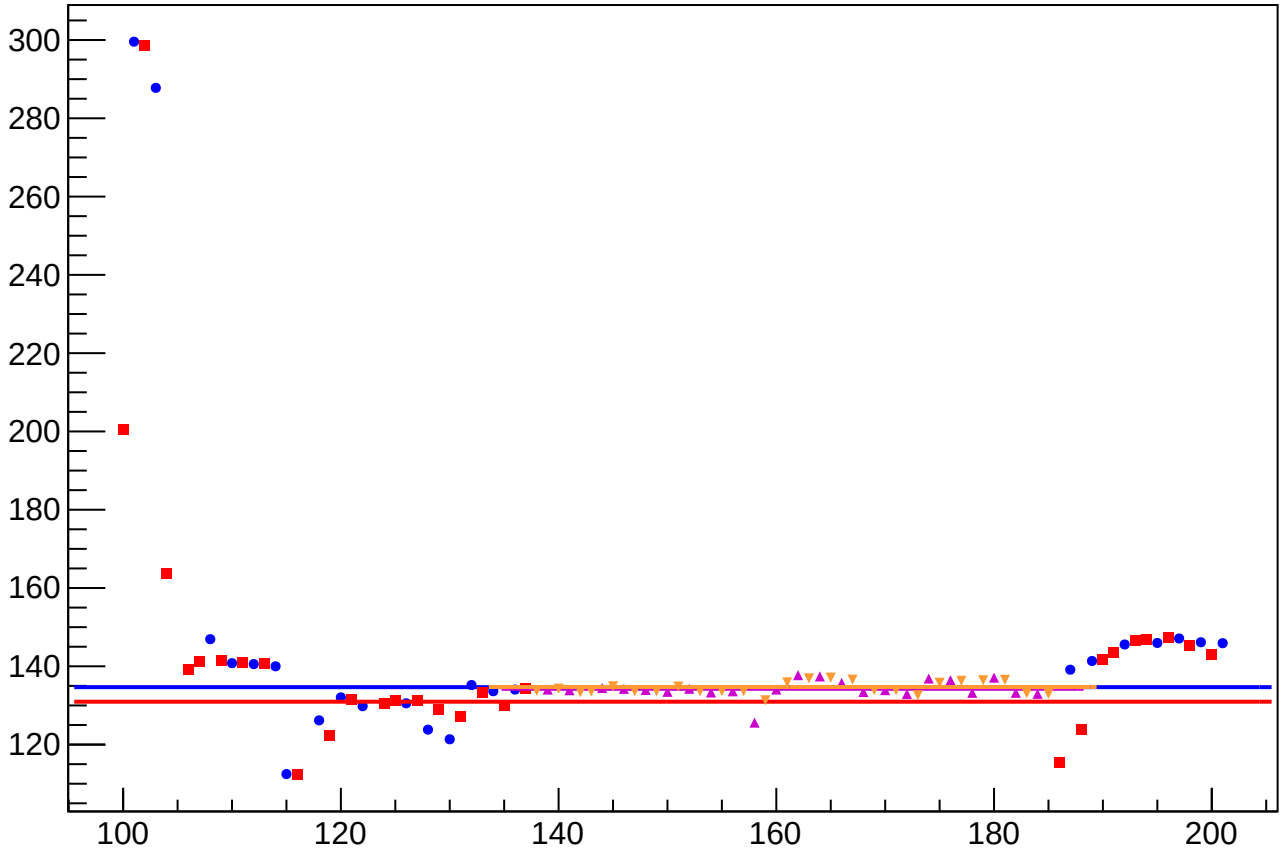
Right: 0.015+/-0.000 χ^2/NDF: 36372614.0/50

In: 0.018+/-0.000 χ^2/NDF:45110377.9/45

Out: 0.018+/-0.000 χ^2/NDF:48638247.8/52

All: 0.018+/-0.000 χ^2/NDF: 93749177.6/98

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: 130.954+/-0.000 χ^2/NDF: 4229502830.5/27

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

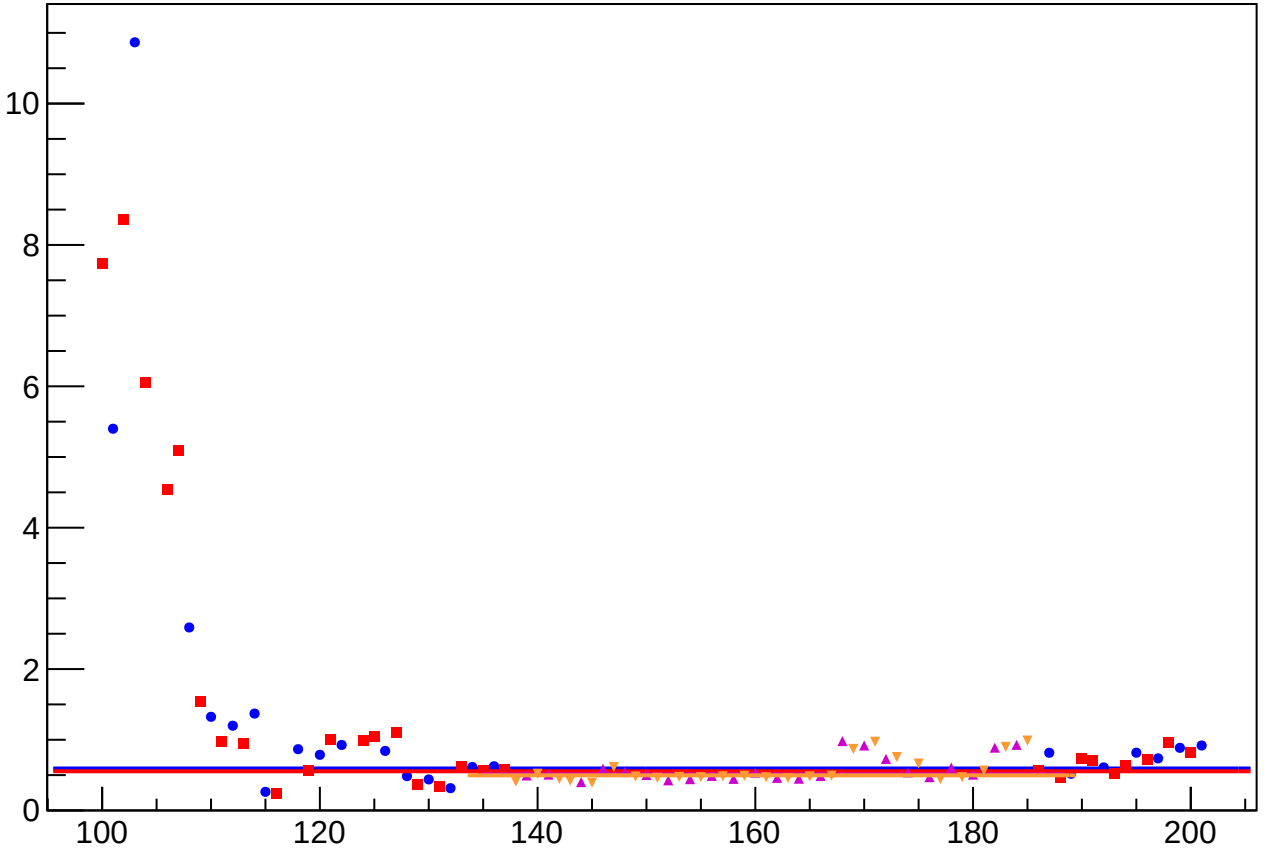
Right: 132.579+/-0.000 χ^2/NDF: 7382163634.4/50

In: 134.359+/-0.000 χ^2/NDF:3432847154.5/45

Out: 133.628+/-0.000 χ^2/NDF:4662546865.1/52

All: 133.967+/-0.000 χ^2/NDF: 8118716431.3

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: 0.554+/-0.000 χ^2/NDF: 5599032.3/27

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.571+/-0.000 χ^2/NDF: 10441064.8/50

In: 0.531+/-0.000 χ^2/NDF:6511623.0/45

Out: 0.513+/-0.000 χ^2/NDF:7298439.9/52

All: 0.522+/-0.000 χ^2/NDF: 13838031.0/98

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: 1808.547+/-0.000 χ^2/NDF: 208833838392874.9/27

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

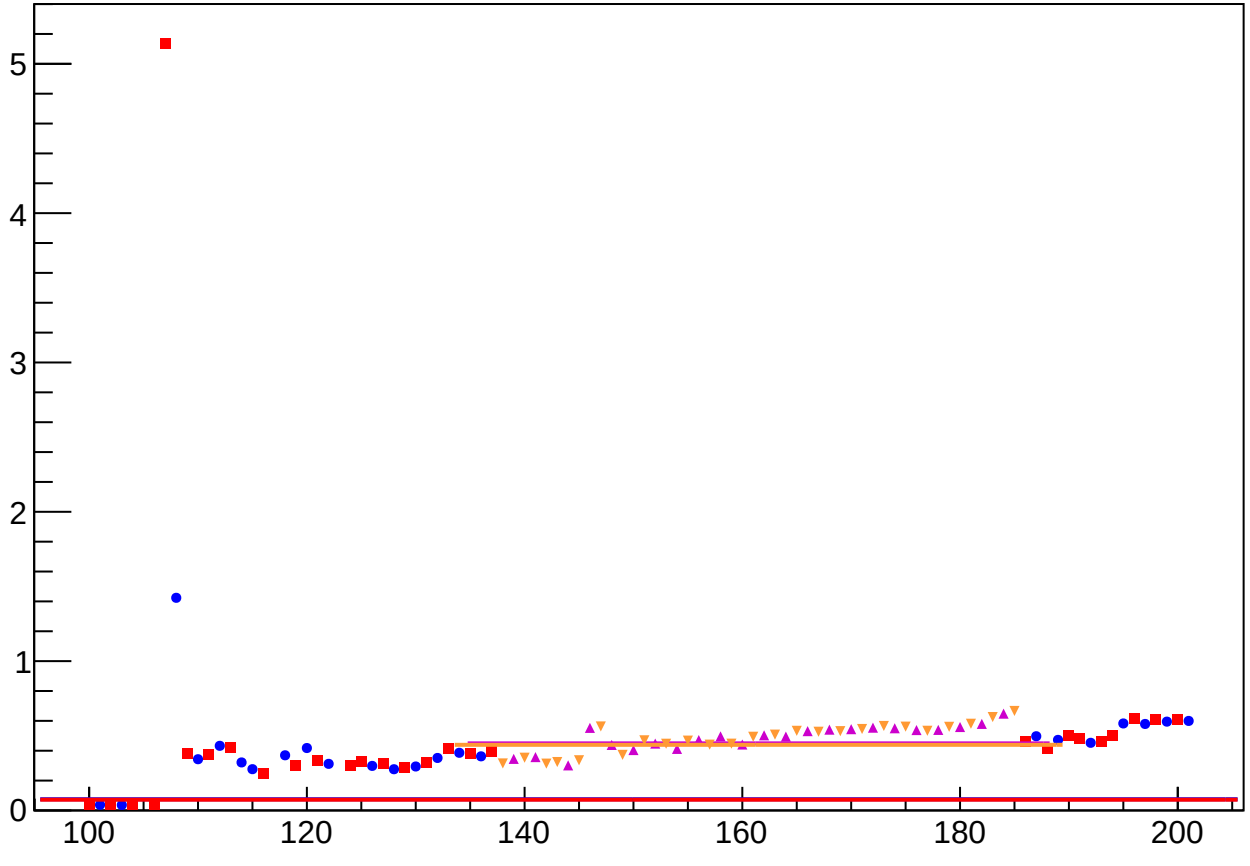
Right: 1800.919+/-0.000 χ^2/NDF: 40107488130133

In: 1582.893+/-0.000 χ^2/NDF:395175512294796.

Out: 1610.071+/-0.000 χ^2/NDF:437279199808176

All: 1597.510+/-0.000 χ^2/NDF: 8327215731

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: 0.072+/-0.000 χ^2/NDF: 16804221.4/27

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

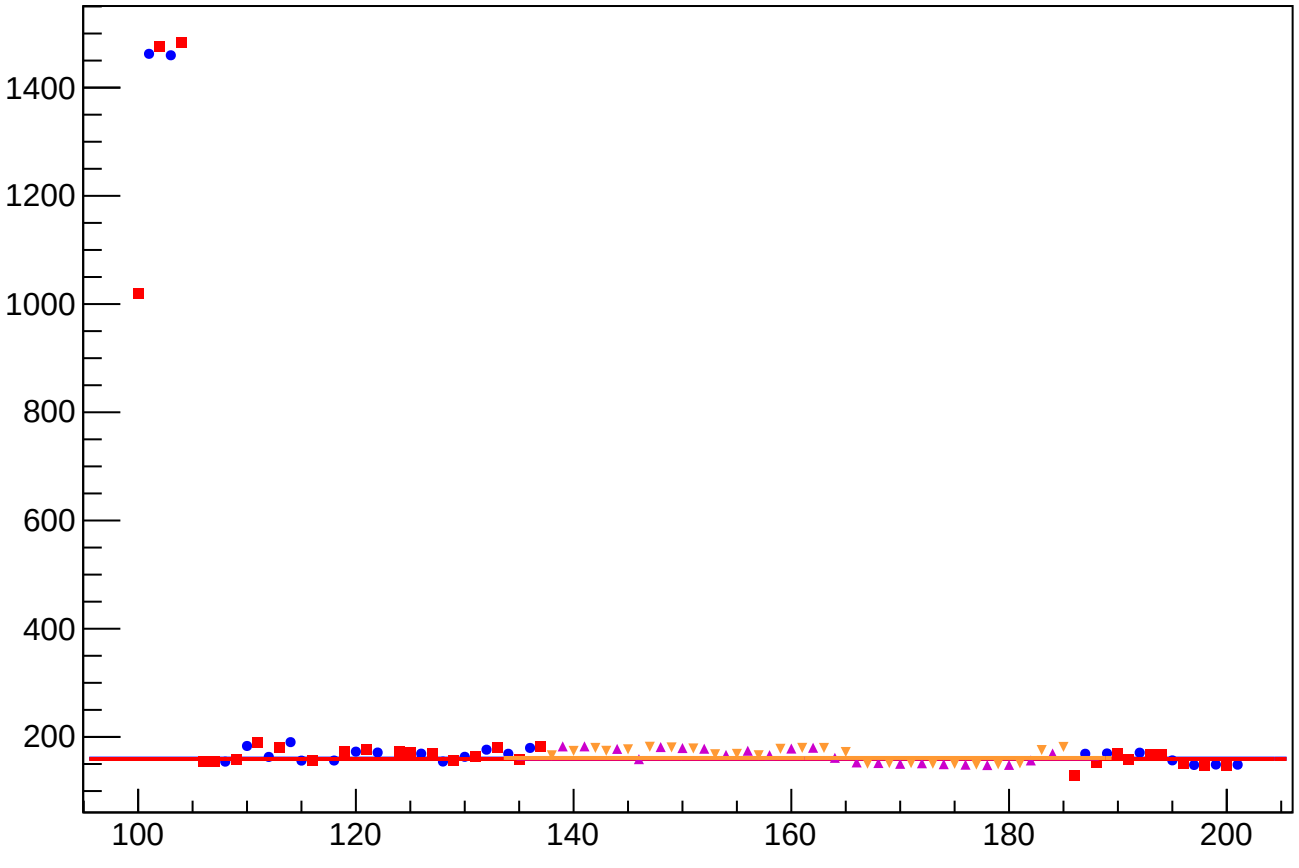
Right: 0.073+/-0.000 χ^2/NDF: 32269494.9/50

In: 0.122+/-0.000 χ^2/NDF:37567560.6/45

Out: 0.116+/-0.000 χ^2/NDF:40662940.0/52

All: 0.119+/-0.000 χ^2/NDF: 78261920.9/98

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: 159.229+/-0.000 χ^2/NDF: 18044676264.6/27

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

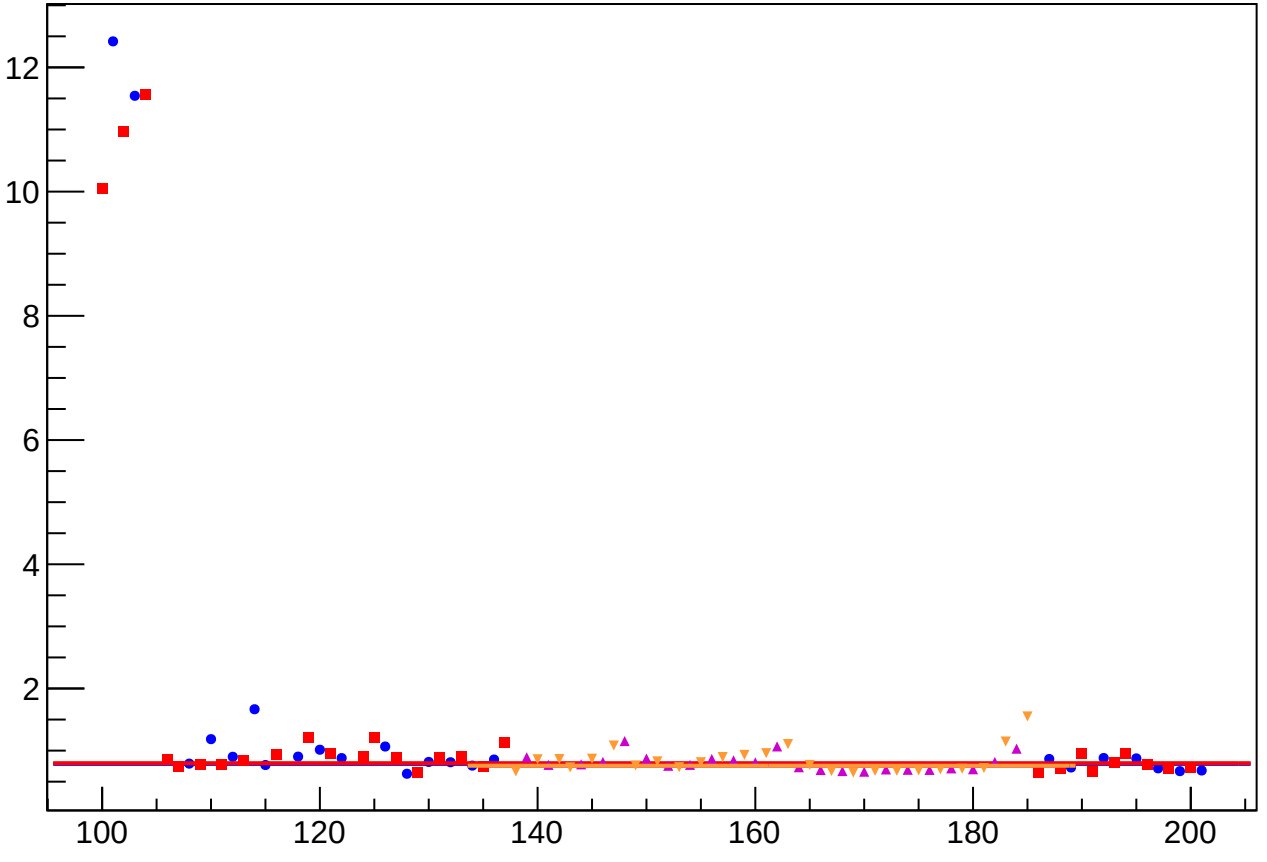
Right: 159.565+/-0.000 χ^2/NDF: 33783091481.5/50

In: 160.066+/-0.000 χ^2/NDF:19473706449.3/45

Out: 160.433+/-0.000 χ^2/NDF:21817339999.1/52

All: 160.255+/-0.000 χ^2/NDF: 41293595932.

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: 0.797+/-0.000 χ^2/NDF: 2424817.7/27

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

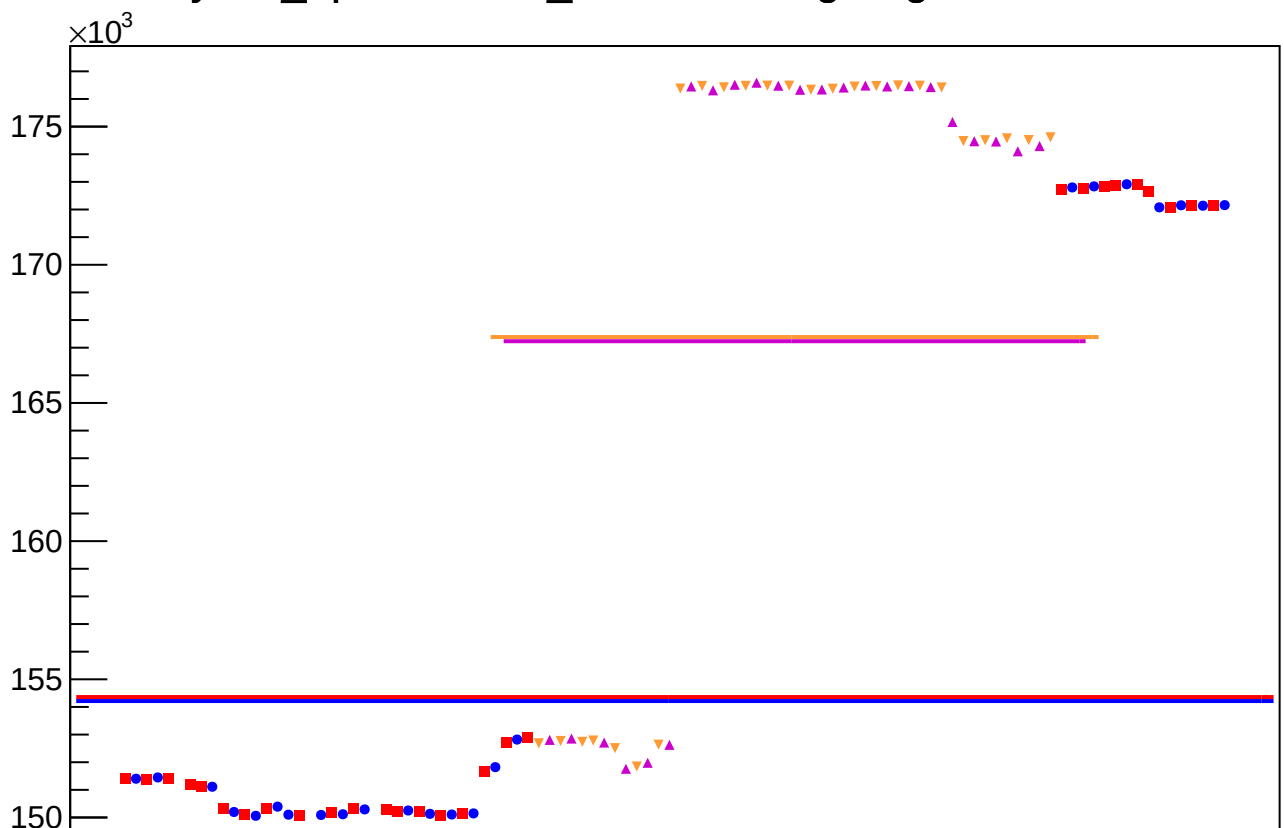
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.792+/-0.000 χ^2/NDF: 4922133.3/50

In: 0.767+/-0.000 χ^2/NDF:2985028.7/45

Out: 0.771+/-0.000 χ^2/NDF:3205023.0/52

All: 0.769+/-0.000 χ^2/NDF: 6190918.5/98



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: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

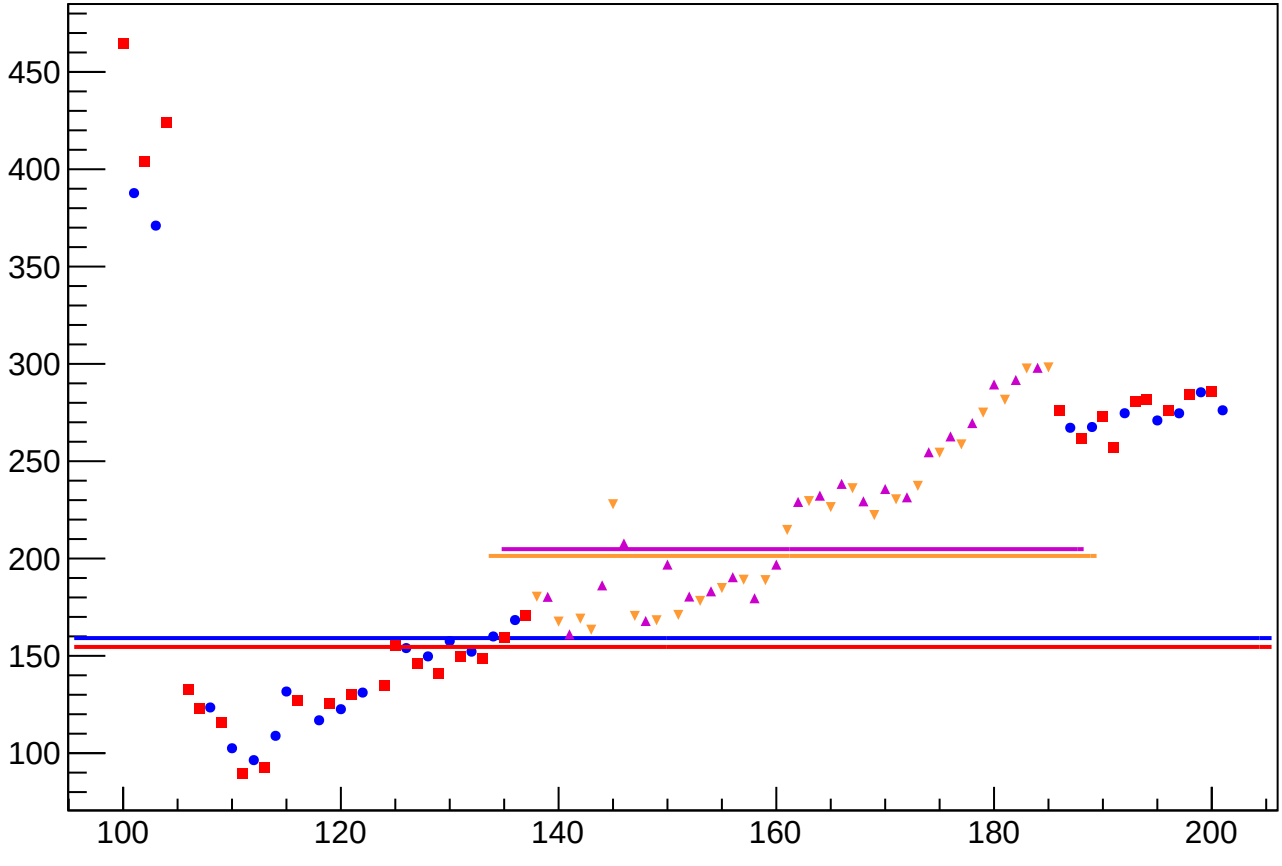
Right: 154290.904+/-0.034 χ^2/NDF: 59184832743.5

In: 160851.783+/-0.035 χ^2/NDF:116802651096.5

Out: 160820.283+/-0.033 χ^2/NDF:131038574115.

All: 160835.114+/-0.024 χ^2/NDF: 24784165

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: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

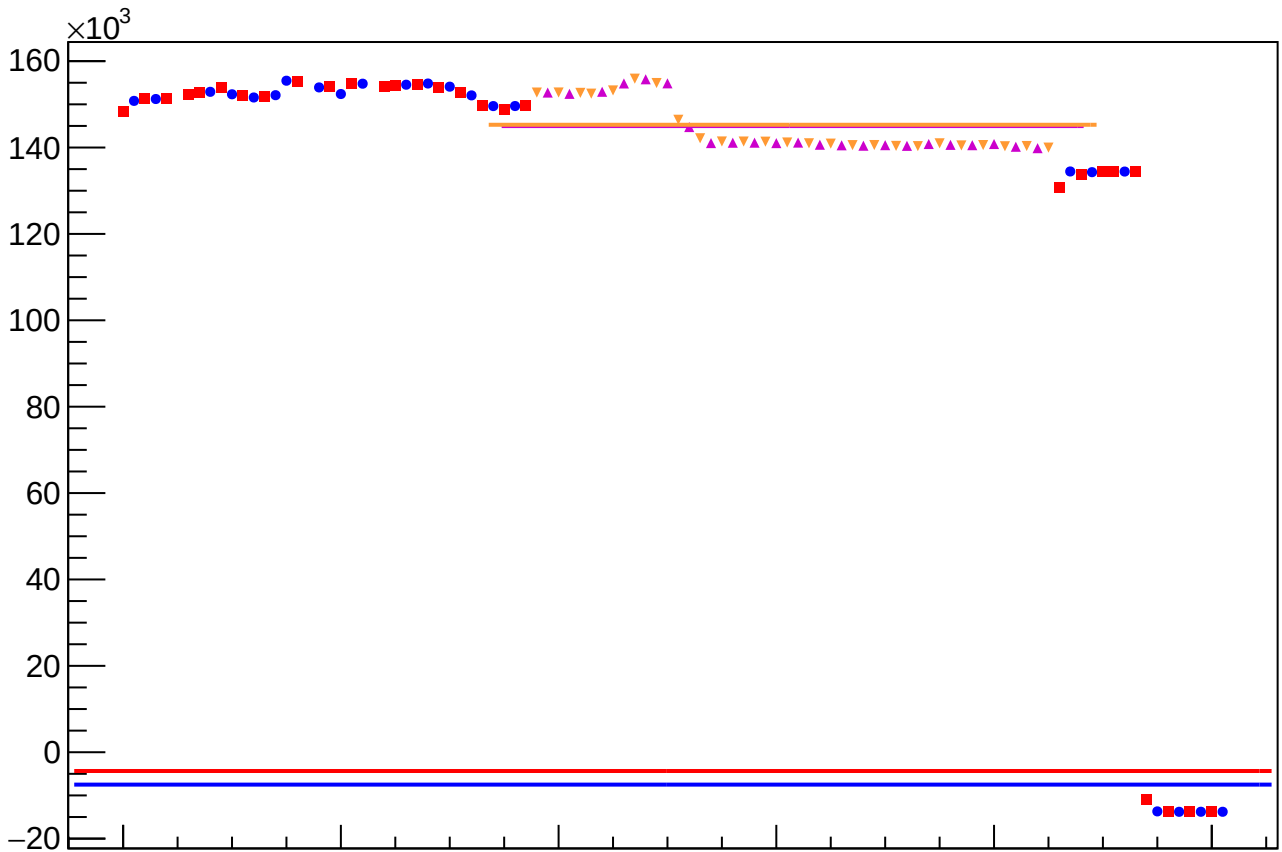
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 156.682+/-0.024 χ^2/NDF: 8101987.6/50

In: 182.424+/-0.025 χ^2/NDF:5496270.4/45

Out: 177.764+/-0.023 χ^2/NDF:6746975.0/52

All: 179.958+/-0.017 χ^2/NDF: 12262117.6/98



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: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

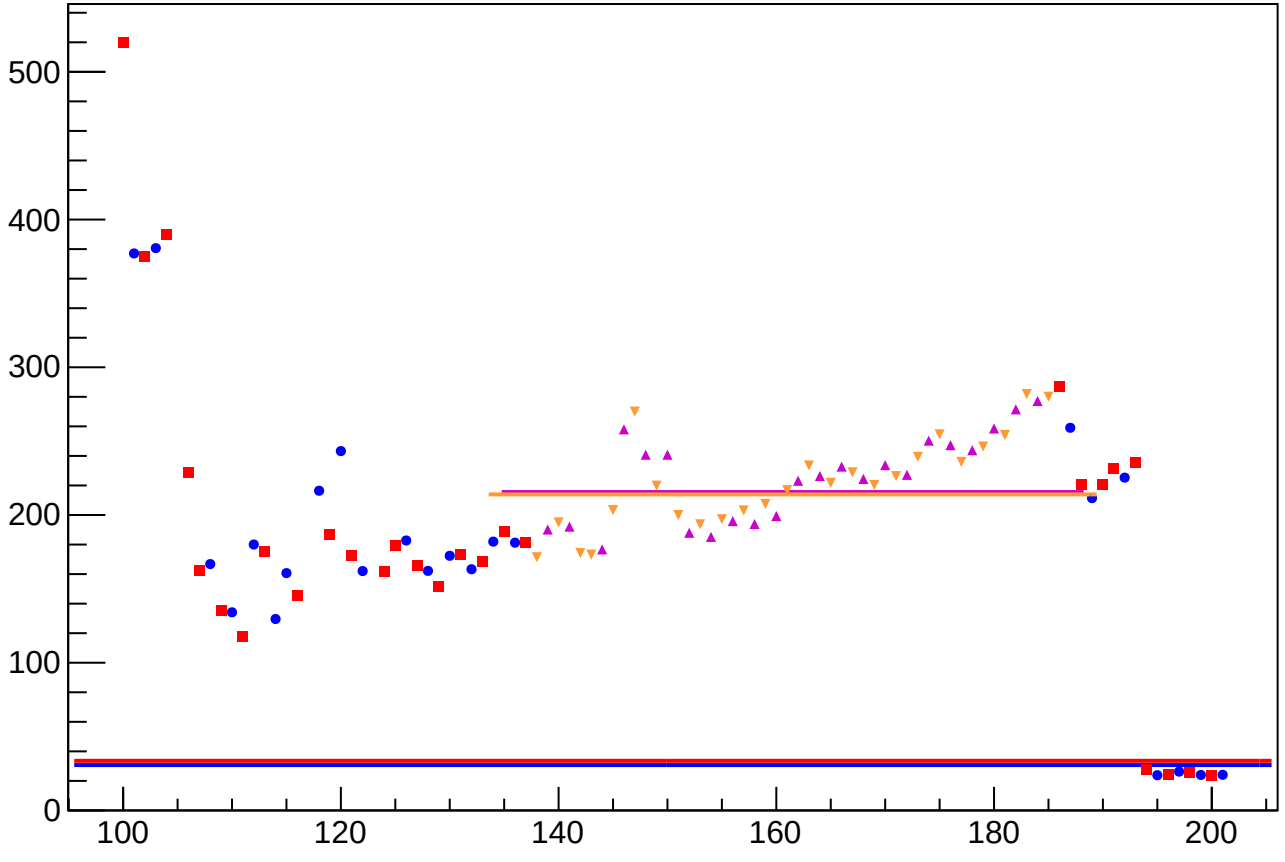
Right: -6050.730+/-0.010 χ^2/NDF: 1267178214424

In: 1863.880+/-0.013 χ^2/NDF:14089266765493.0

Out: 7112.251+/-0.014 χ^2/NDF:15378775739794.

All: 4293.465+/-0.009 χ^2/NDF: 2954724982

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: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

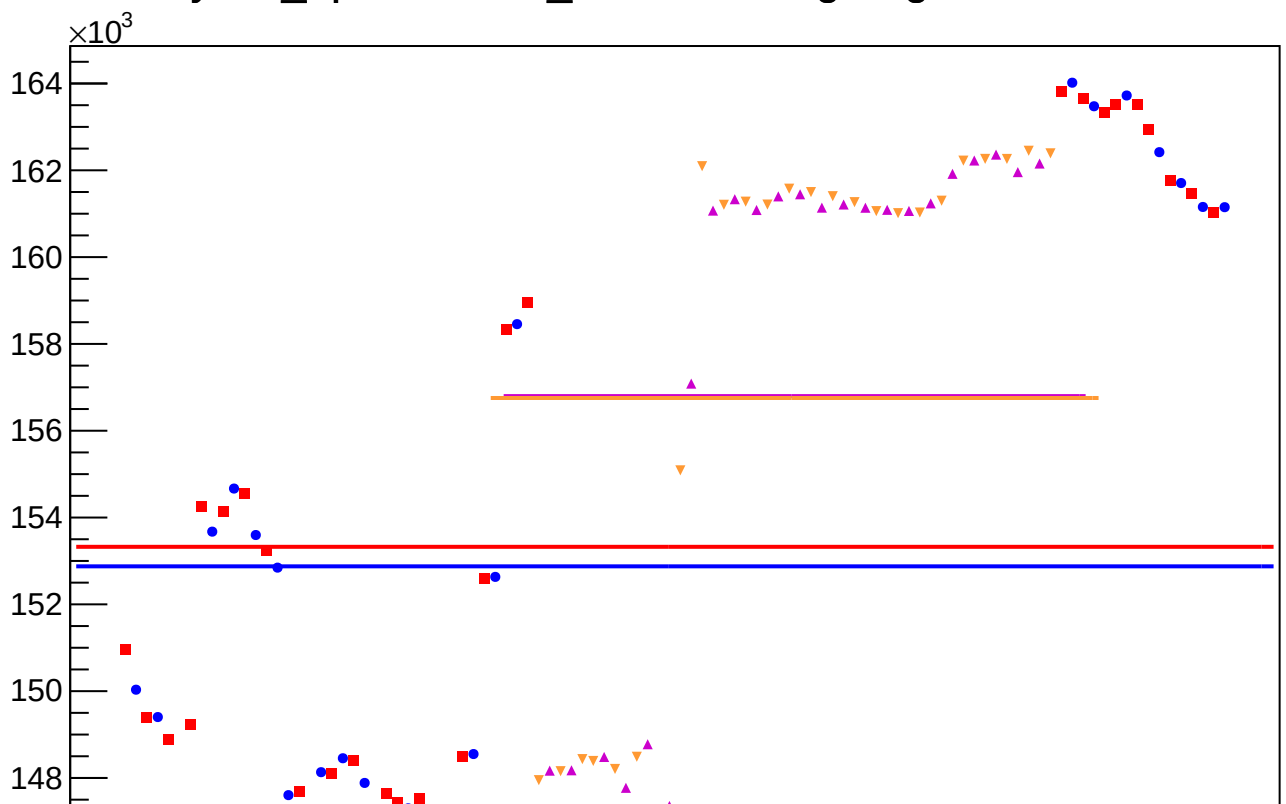
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 32.055+/-0.007 χ^2/NDF: 26366502.6/50

In: 42.084+/-0.009 χ^2/NDF:37459524.2/45

Out: 47.418+/-0.010 χ^2/NDF:39191844.4/52

All: 44.553+/-0.007 χ^2/NDF: 76814961.4/98



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: 153325.598+/-0.054 χ^2/NDF: 10789712219.6/27

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

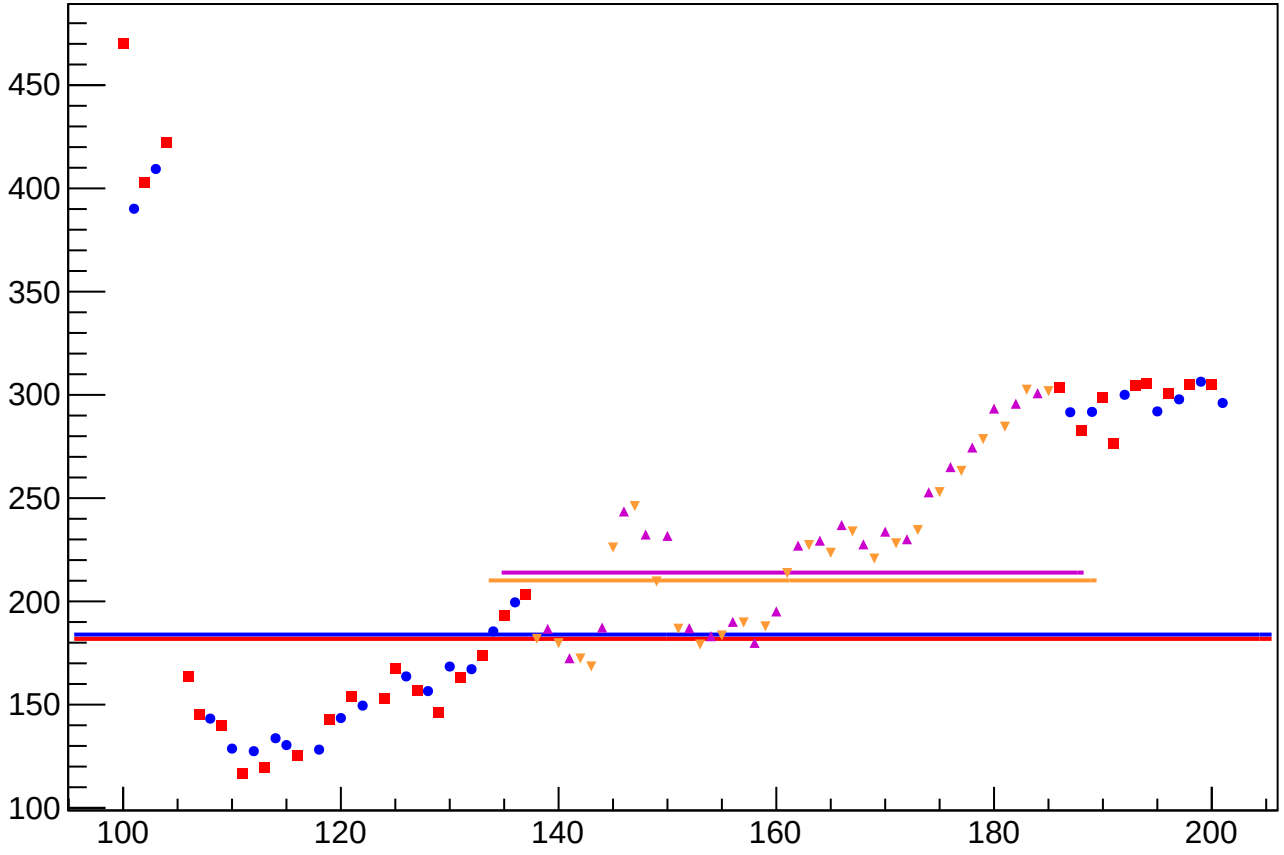
Right: 153112.905+/-0.039 χ^2/NDF: 20439469141.

In: 155048.434+/-0.038 χ^2/NDF:26604170691.2/4

Out: 155210.995+/-0.036 χ^2/NDF:29407086728.8

All: 155133.784+/-0.026 χ^2/NDF: 56020905

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: 181.834+/-0.038 χ^2/NDF: 3623600.4/27

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

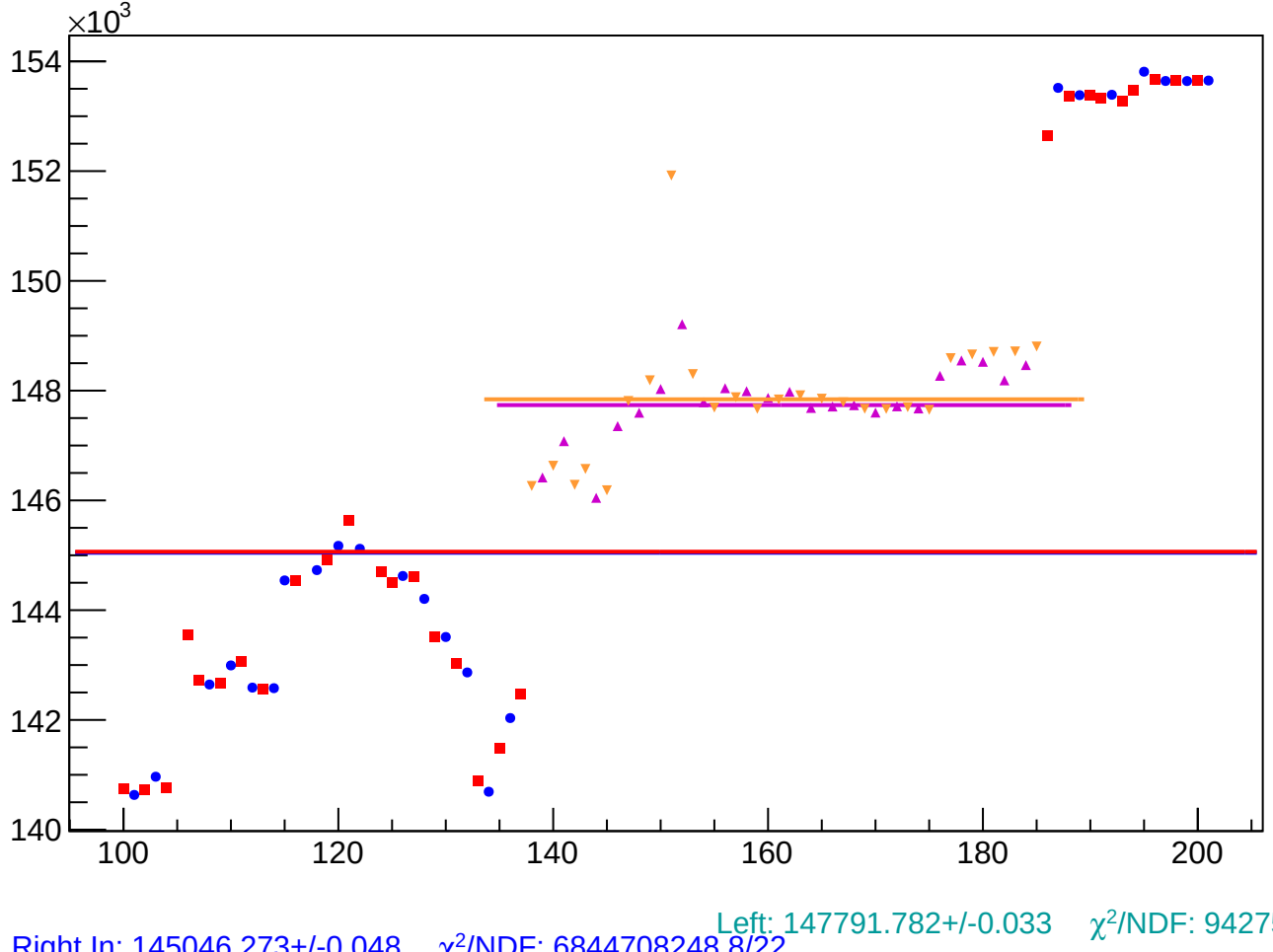
Right: 182.822+/-0.028 χ^2/NDF: 6639840.9/50

In: 200.555+/-0.027 χ^2/NDF:4238969.2/45

Out: 197.400+/-0.026 χ^2/NDF:4926335.3/52

All: 198.899+/-0.018 χ^2/NDF: 9172569.5/98

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



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: 145064.892+/-0.045 χ^2/NDF: 7928272535.1/27

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

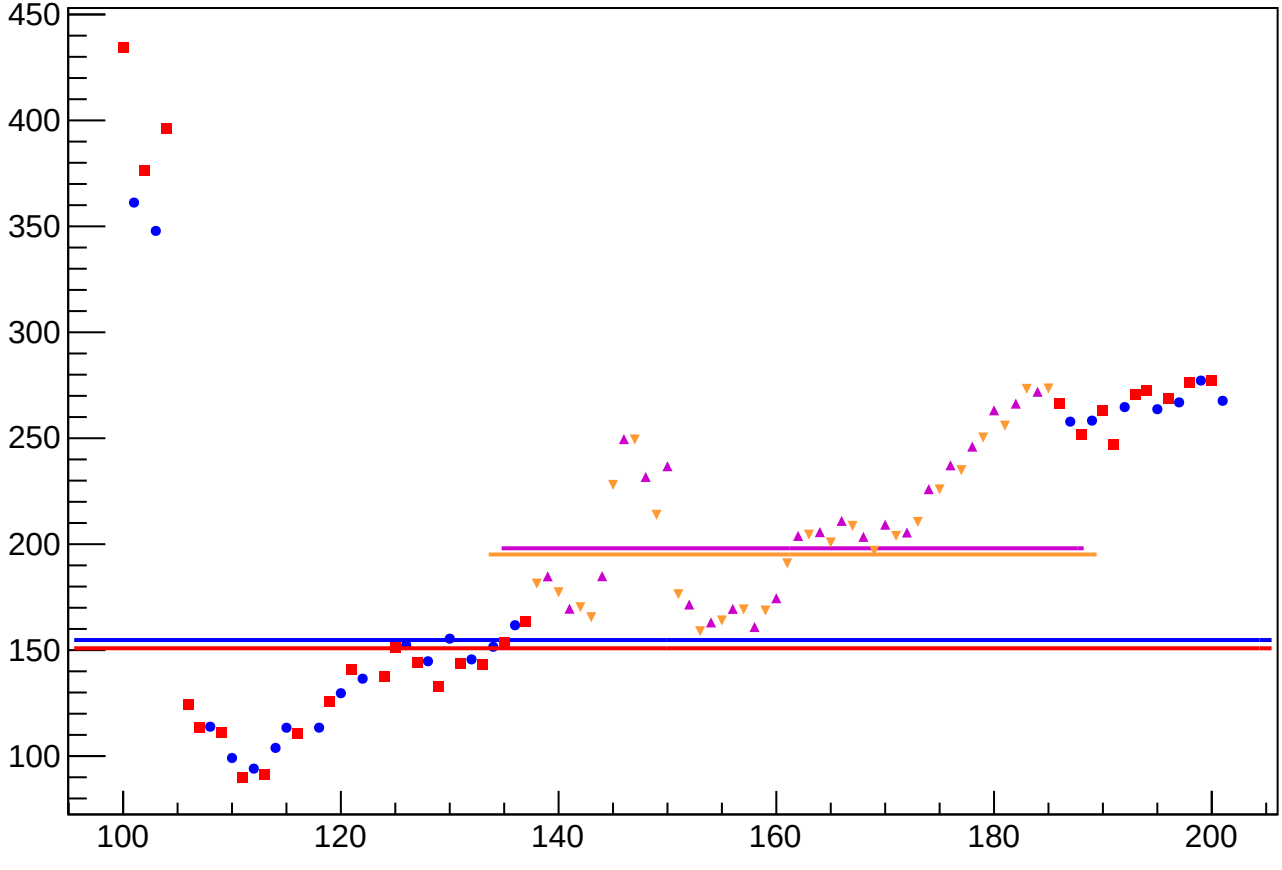
Right: 145056.240+/-0.033 χ^2/NDF: 1477305983

In: 146427.229+/-0.034 χ^2/NDF:8654311940.2/45

Out: 146453.897+/-0.032 χ^2/NDF:10534312101.8

All: 146441.328+/-0.023 χ^2/NDF: 19188953

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: 150.878+/-0.032 χ^2/NDF: 4376489.3/27

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

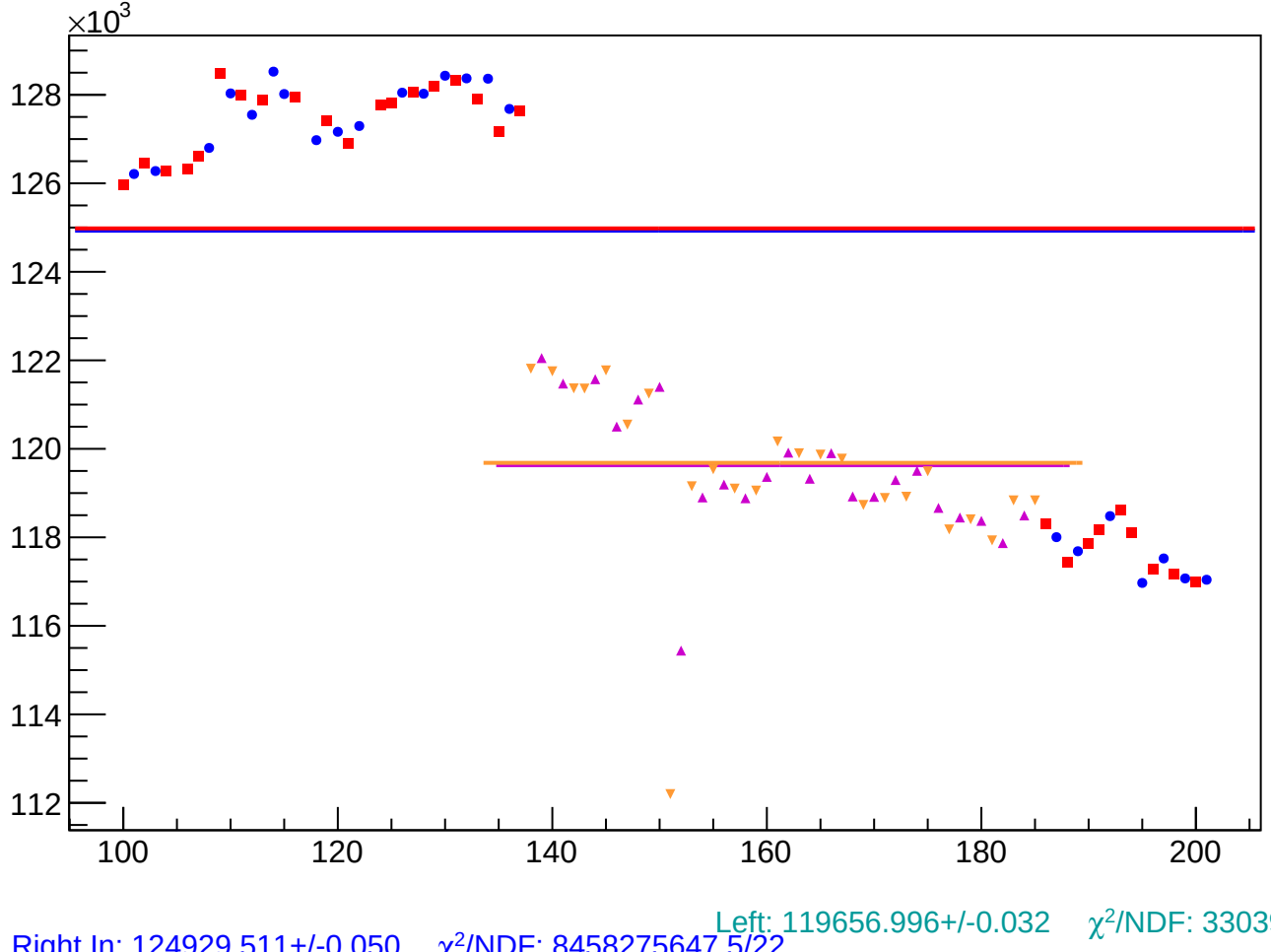
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 152.684+/-0.023 χ^2/NDF: 7912834.7/50

In: 176.986+/-0.024 χ^2/NDF:5249272.0/45

Out: 173.018+/-0.023 χ^2/NDF:6242351.8/52

All: 174.888+/-0.016 χ^2/NDF: 11506198.2/98



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: 124980.969+/-0.047 χ^2/NDF: 9366756911.1/27

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

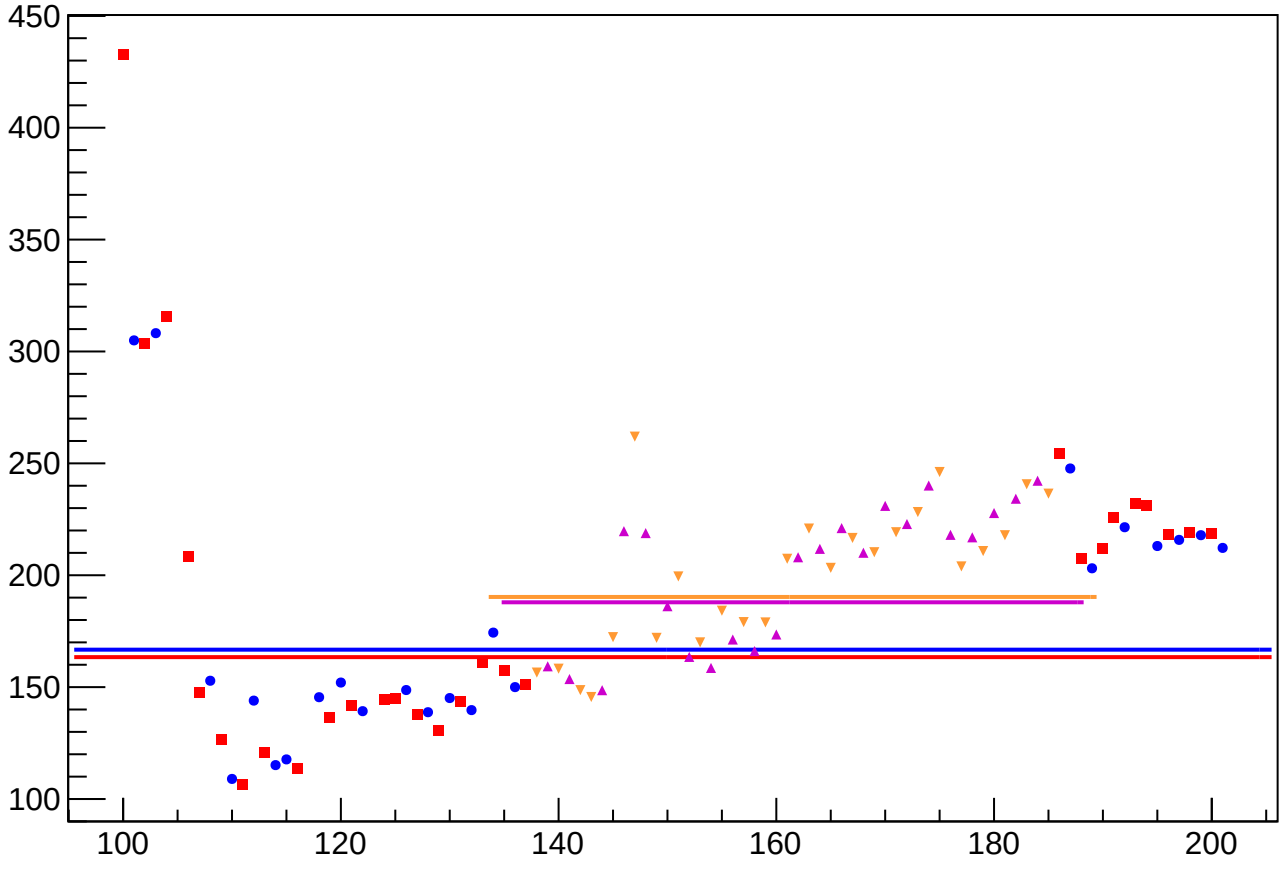
Right: 124956.853+/-0.034 χ^2/NDF: 17825598379.

In: 122007.650+/-0.033 χ^2/NDF:16003209811.5/4

Out: 122183.069+/-0.032 χ^2/NDF:18110790976.2

All: 122098.657+/-0.023 χ^2/NDF: 34128309

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: 163.406+/-0.033 χ^2/NDF: 2192526.8/27

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

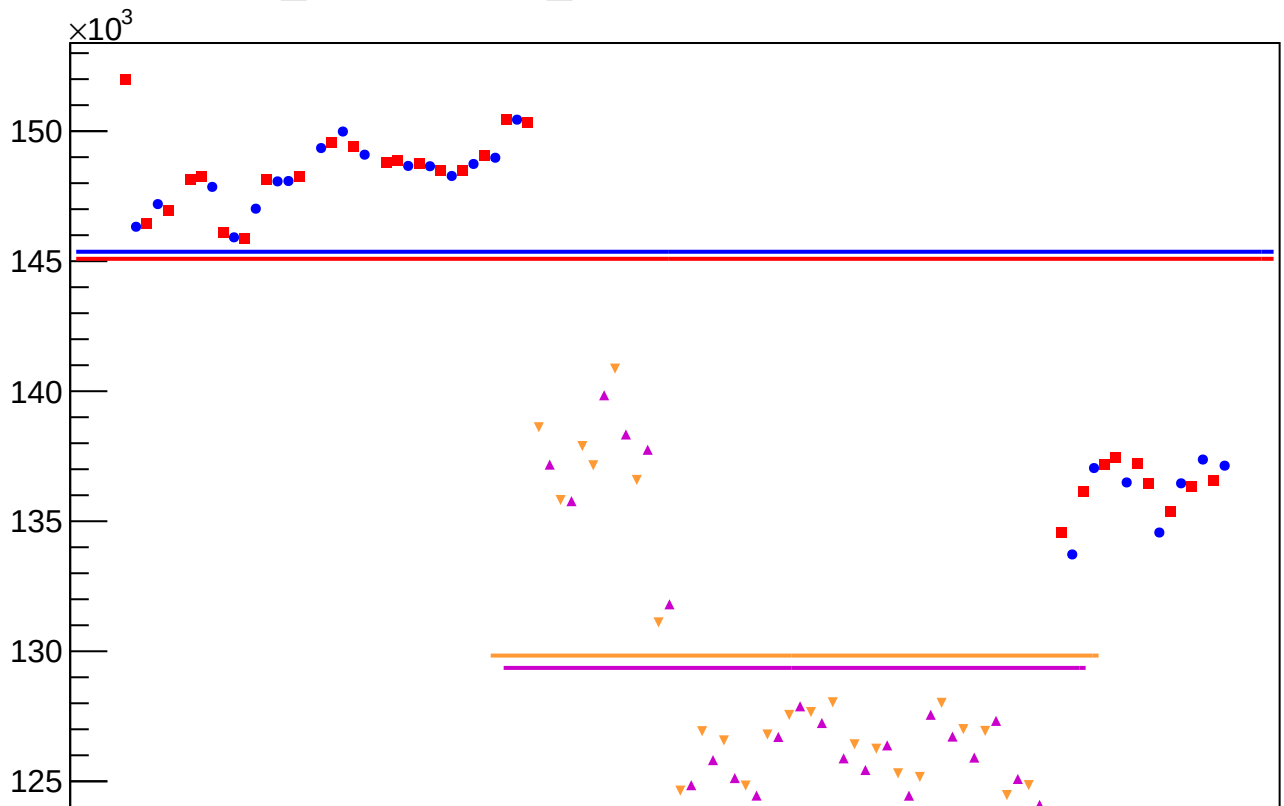
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 164.969+/-0.024 χ^2/NDF: 3748681.9/50

In: 178.411+/-0.024 χ^2/NDF:2676111.9/45

Out: 177.609+/-0.023 χ^2/NDF:3465360.2/52

All: 177.995+/-0.016 χ^2/NDF: 6142070.4/98



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: 145090.839+/-0.066 χ^2/NDF: 6844910815.9/27

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

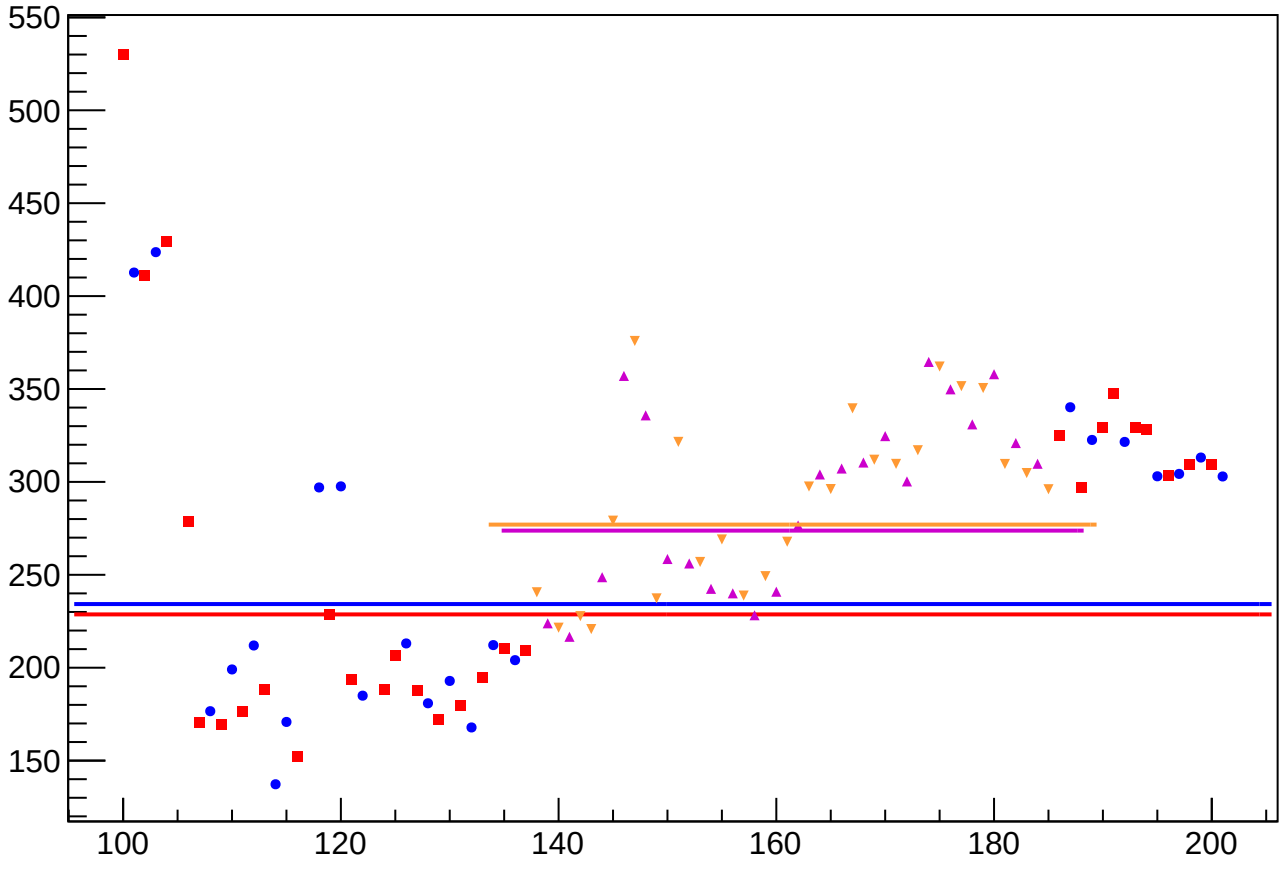
Right: 145217.143+/-0.048 χ^2/NDF: 12851466885.

In: 136759.398+/-0.048 χ^2/NDF:40346255778.1/4

Out: 137295.306+/-0.046 χ^2/NDF:41256249226.0

All: 137038.936+/-0.033 χ^2/NDF: 816677447

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: 228.690+/-0.046 χ^2/NDF: 2166477.8/27

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

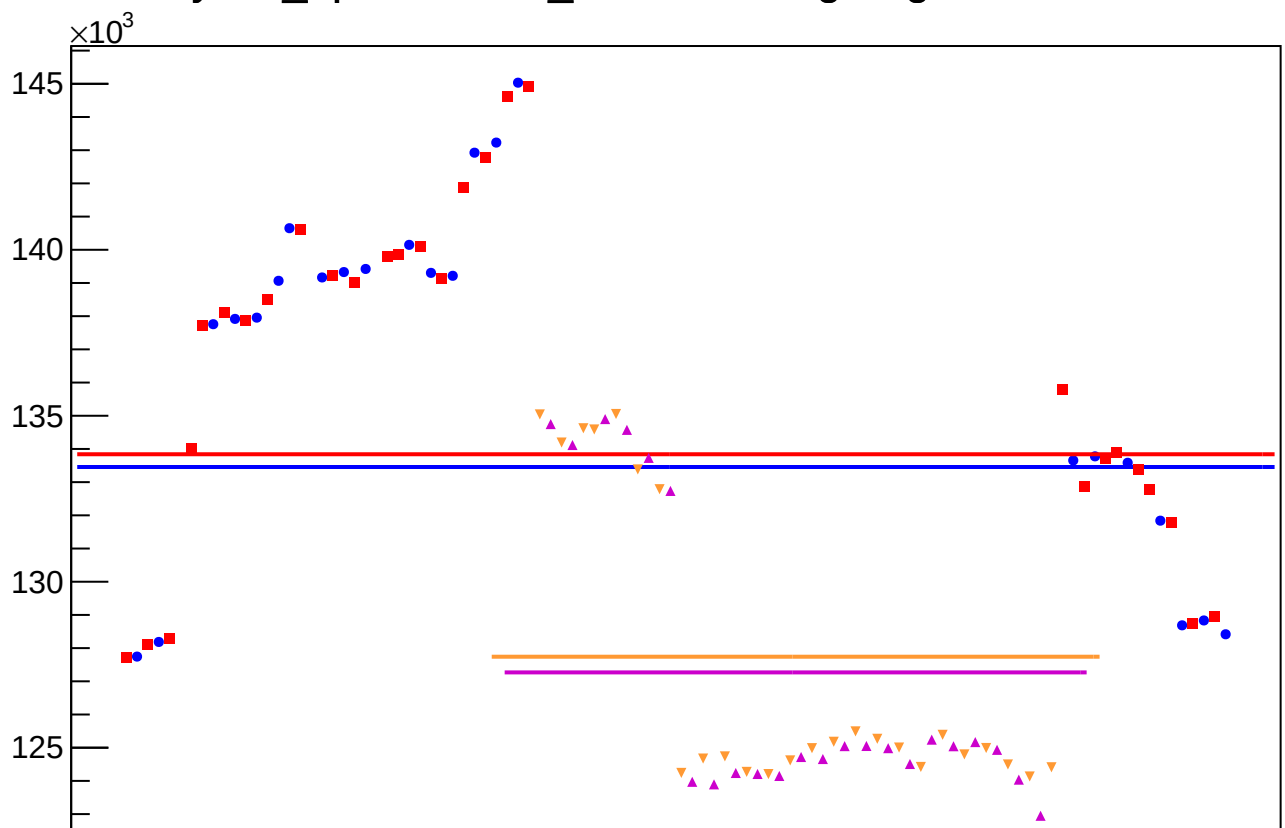
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 231.274+/-0.034 χ^2/NDF: 3996372.2/50

In: 255.507+/-0.034 χ^2/NDF:3165443.7/45

Out: 253.385+/-0.032 χ^2/NDF:3667409.0/52

All: 254.401+/-0.023 χ^2/NDF: 6834898.3/98



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: 133840.320+/-0.118 χ^2/NDF: 1531953182.0/27

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

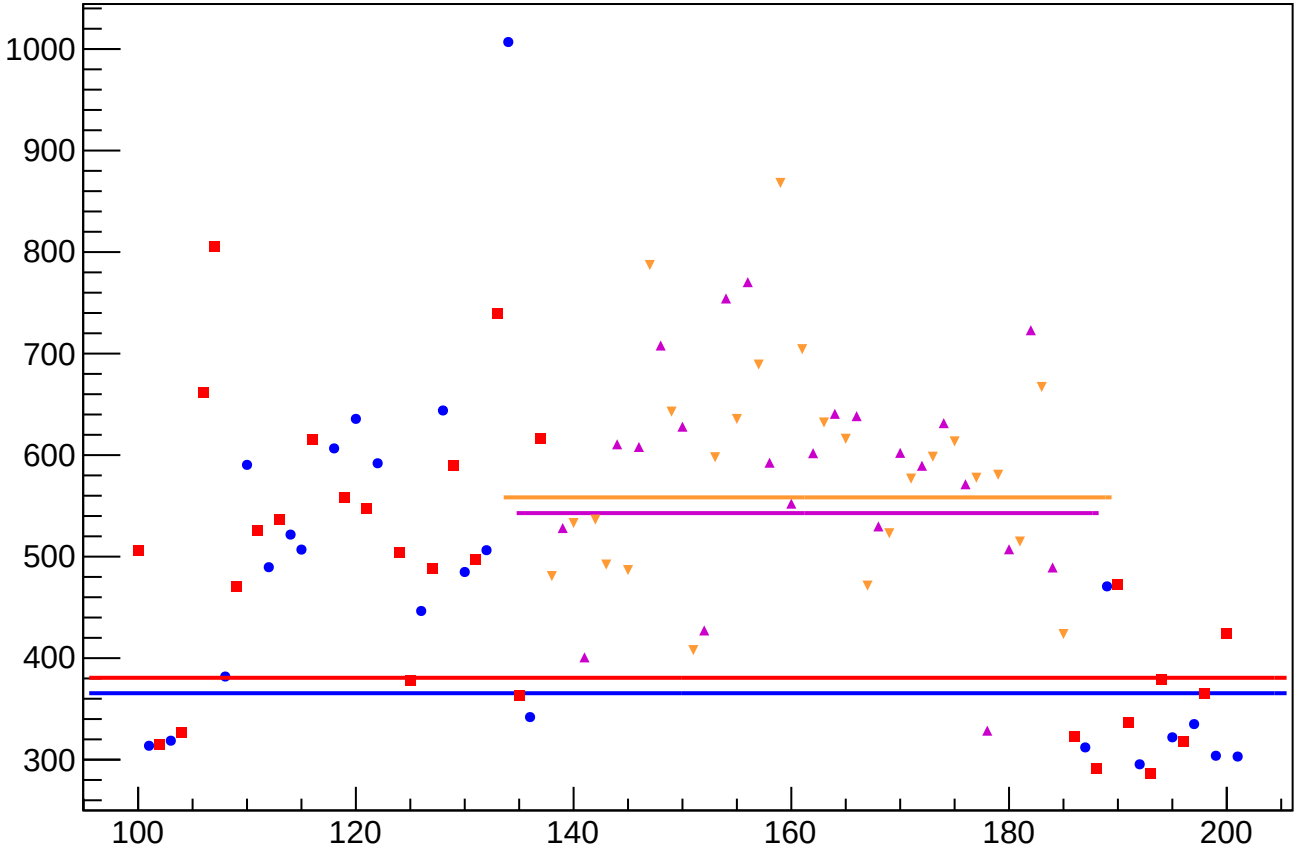
Right: 133647.746+/-0.083 χ^2/NDF: 3894754209.3/

In: 130871.145+/-0.090 χ^2/NDF:4489304237.8/45

Out: 131218.053+/-0.089 χ^2/NDF:3778202425.4/5

All: 131045.939+/-0.063 χ^2/NDF: 82750621

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: 380.652+/-0.083 χ^2/NDF: 1517430.0/27

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

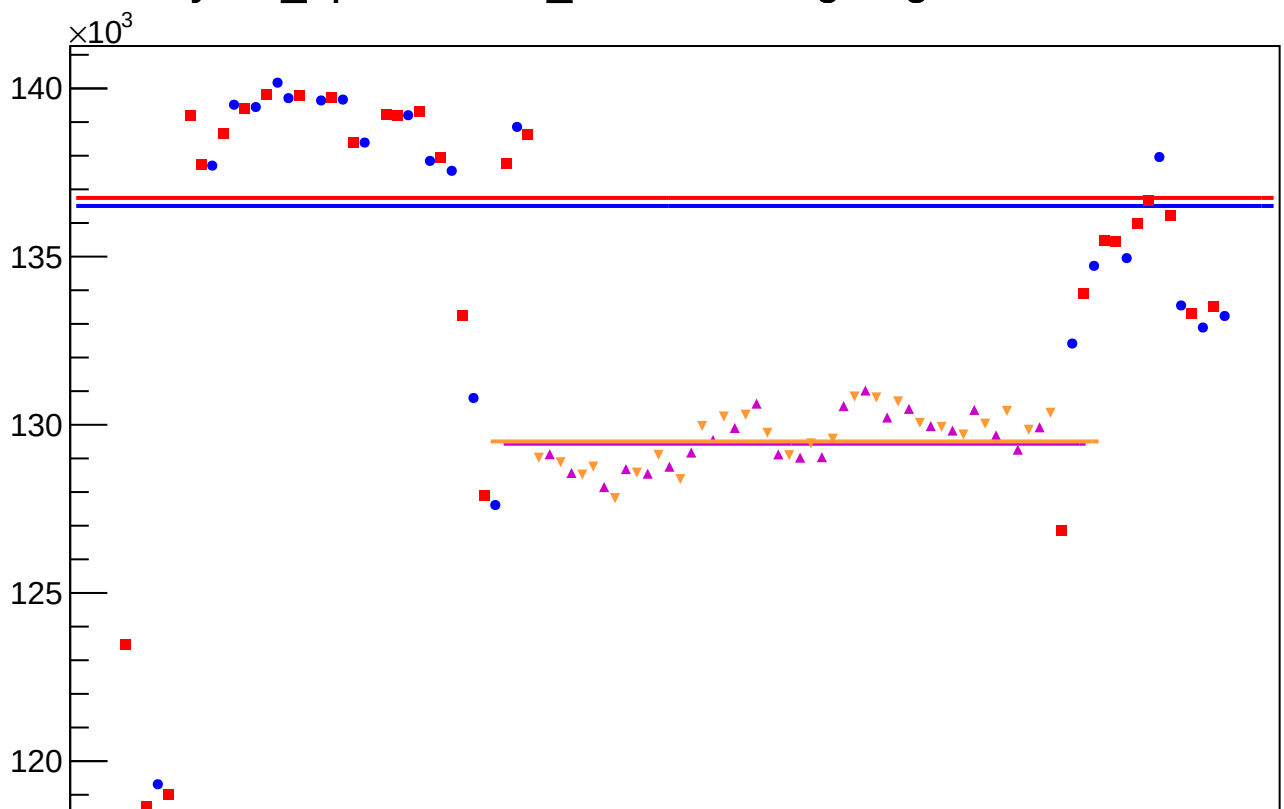
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 373.035+/-0.059 χ^2/NDF: 3013740.7/50

In: 439.580+/-0.063 χ^2/NDF:4804197.3/45

Out: 457.061+/-0.063 χ^2/NDF:4444854.2/52

All: 448.388+/-0.045 χ^2/NDF: 9287424.9/98



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: 136745.568+/-0.059 χ^2/NDF: 6458593185.5/27

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

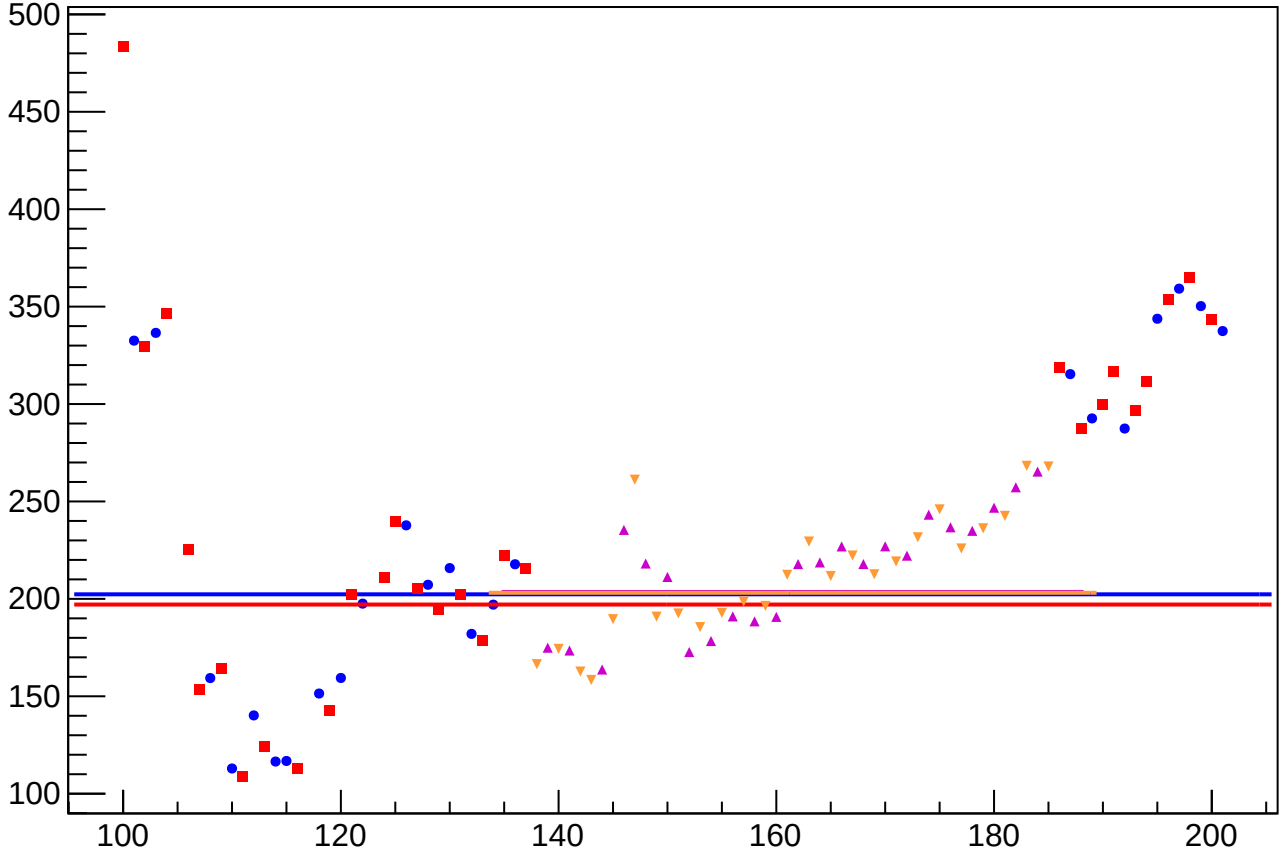
Right: 136634.225+/-0.043 χ^2/NDF: 12638156668.

In: 132072.683+/-0.038 χ^2/NDF:14381918452.3/4

Out: 132342.678+/-0.037 χ^2/NDF:16060615965.0

All: 132213.821+/-0.026 χ^2/NDF: 30468374

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: 197.085+/-0.041 χ^2/NDF: 3746763.8/27

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

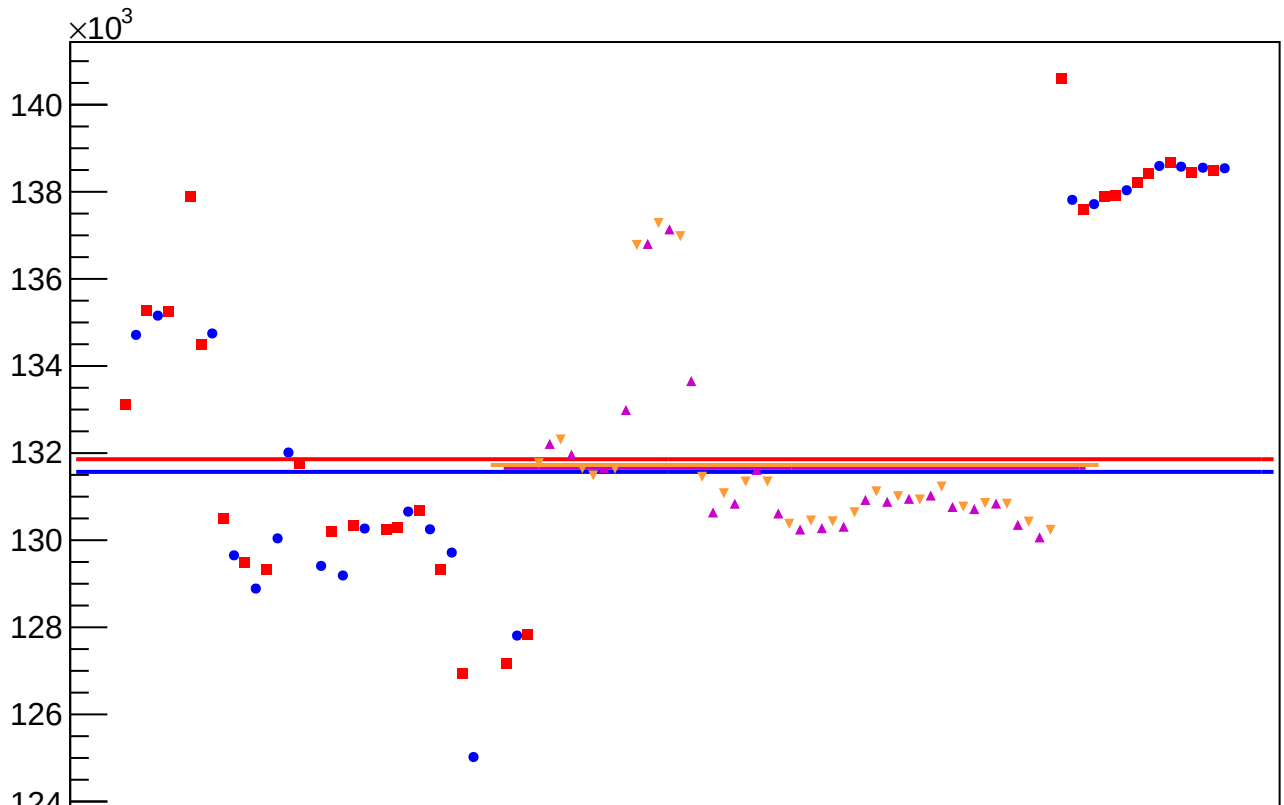
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 199.526+/-0.030 χ^2/NDF: 6776630.6/50

In: 203.095+/-0.027 χ^2/NDF:3688895.8/45

Out: 200.760+/-0.026 χ^2/NDF:4518175.3/52

All: 201.875+/-0.019 χ^2/NDF: 8210946.1/98



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: 131859.823+/-0.053 χ^2/NDF: 6734364485.1/27

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

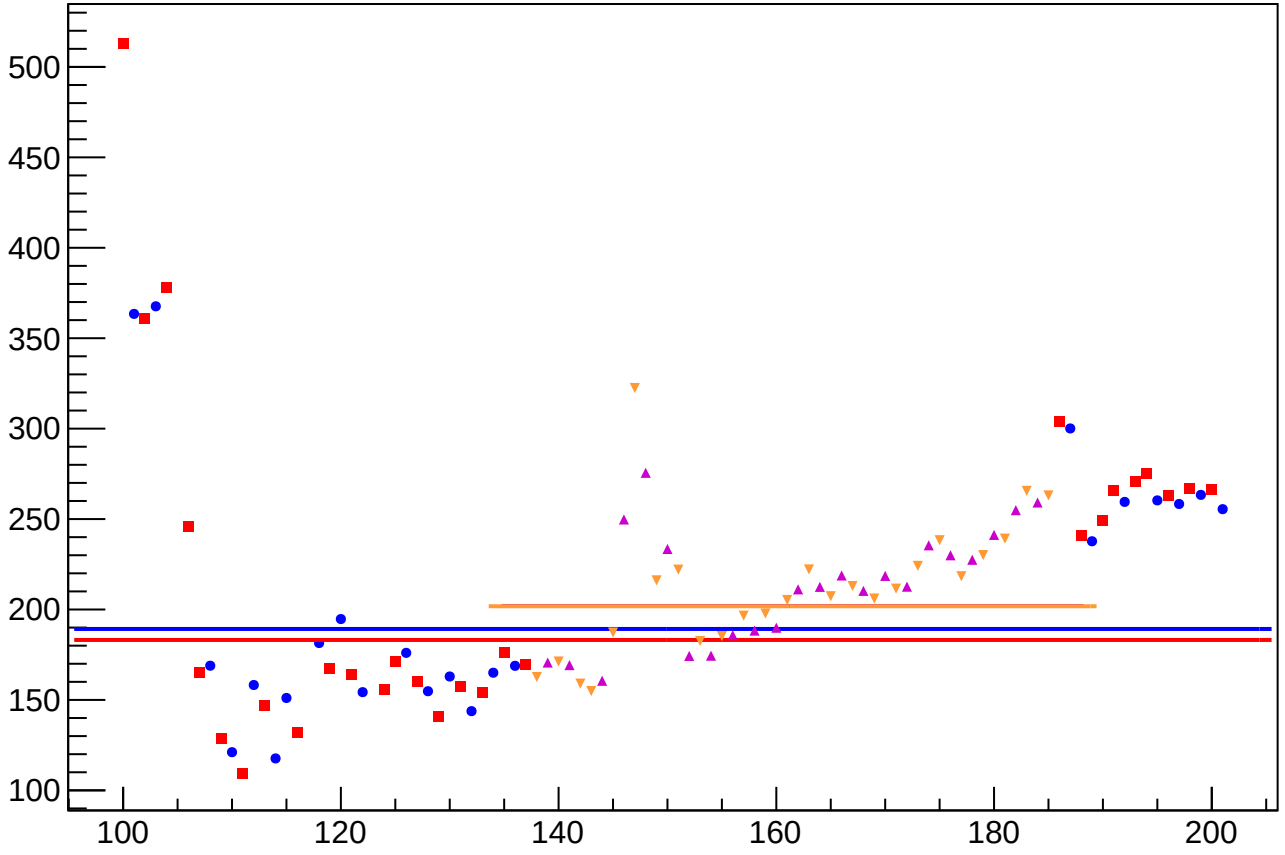
Right: 131724.791+/-0.039 χ^2/NDF: 13077651949.

In: 131622.497+/-0.037 χ^2/NDF:7495338813.2/45

Out: 131784.923+/-0.035 χ^2/NDF:8162908526.6/5

All: 131707.513+/-0.025 χ^2/NDF: 15668401

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: 183.163+/-0.038 χ^2/NDF: 2733653.0/27

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

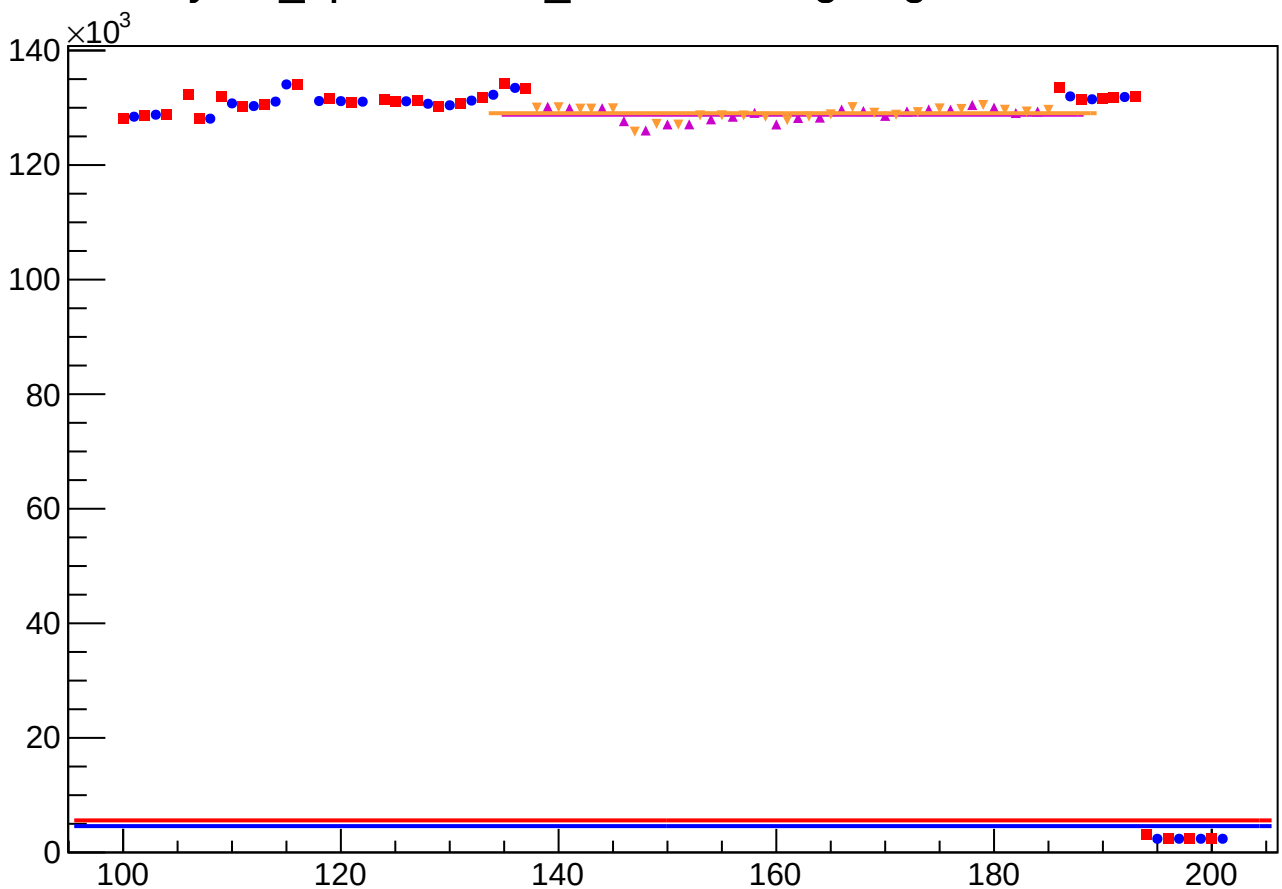
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 185.982+/-0.028 χ^2/NDF: 4657739.6/50

In: 196.685+/-0.026 χ^2/NDF:2772350.8/45

Out: 193.678+/-0.025 χ^2/NDF:3776909.2/52

All: 195.111+/-0.018 χ^2/NDF: 6556220.2/98



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: 5598.219+/-0.008 χ^2/NDF: 581769496265 7.9/27

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

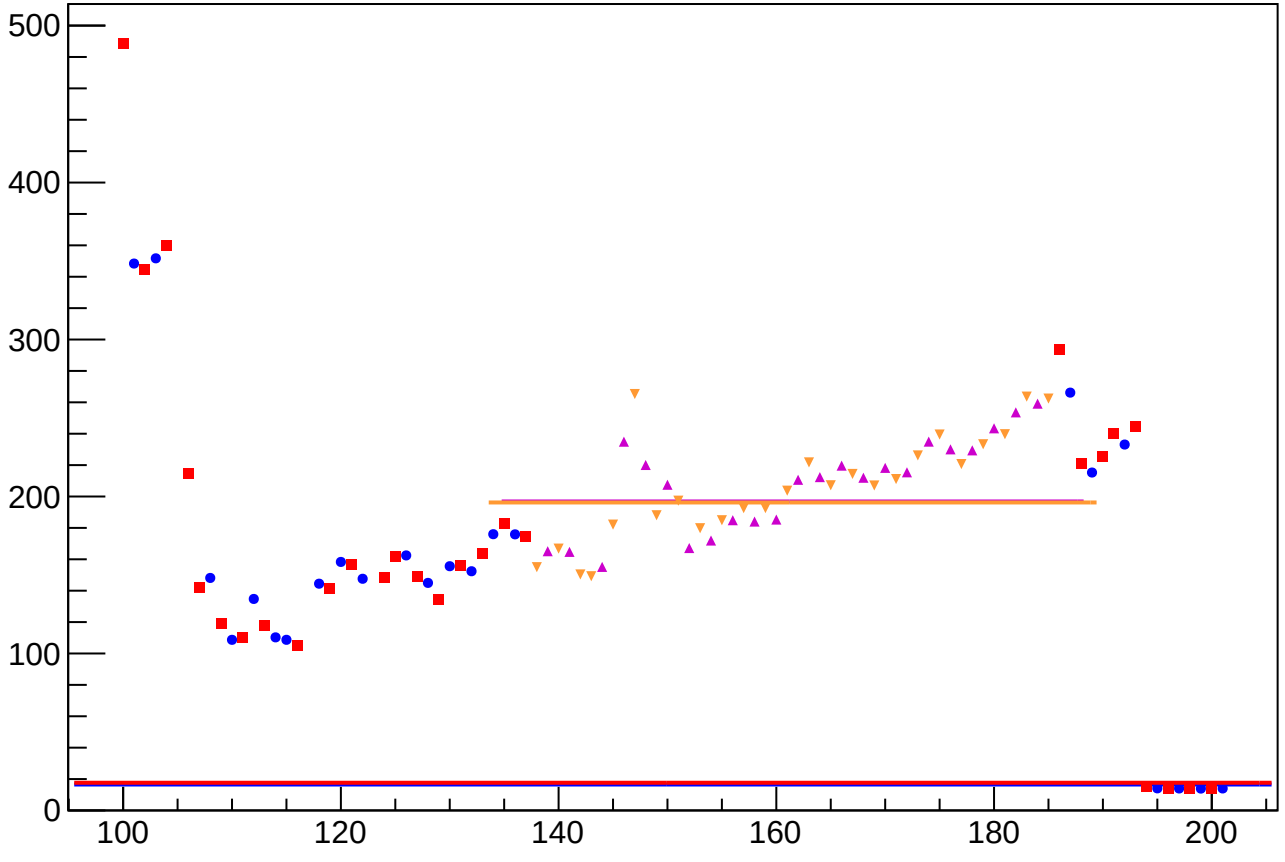
Right: 5053.339+/-0.006 χ^2/NDF: 1077477380761 0

In: 7706.148+/-0.007 χ^2/NDF:11786425272184.1

Out: 9496.648+/-0.008 χ^2/NDF:12950127918276.

All: 8524.855+/-0.005 χ^2/NDF: 2476317884 0

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: 17.645+/-0.006 χ^2/NDF: 16295737.5/27

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

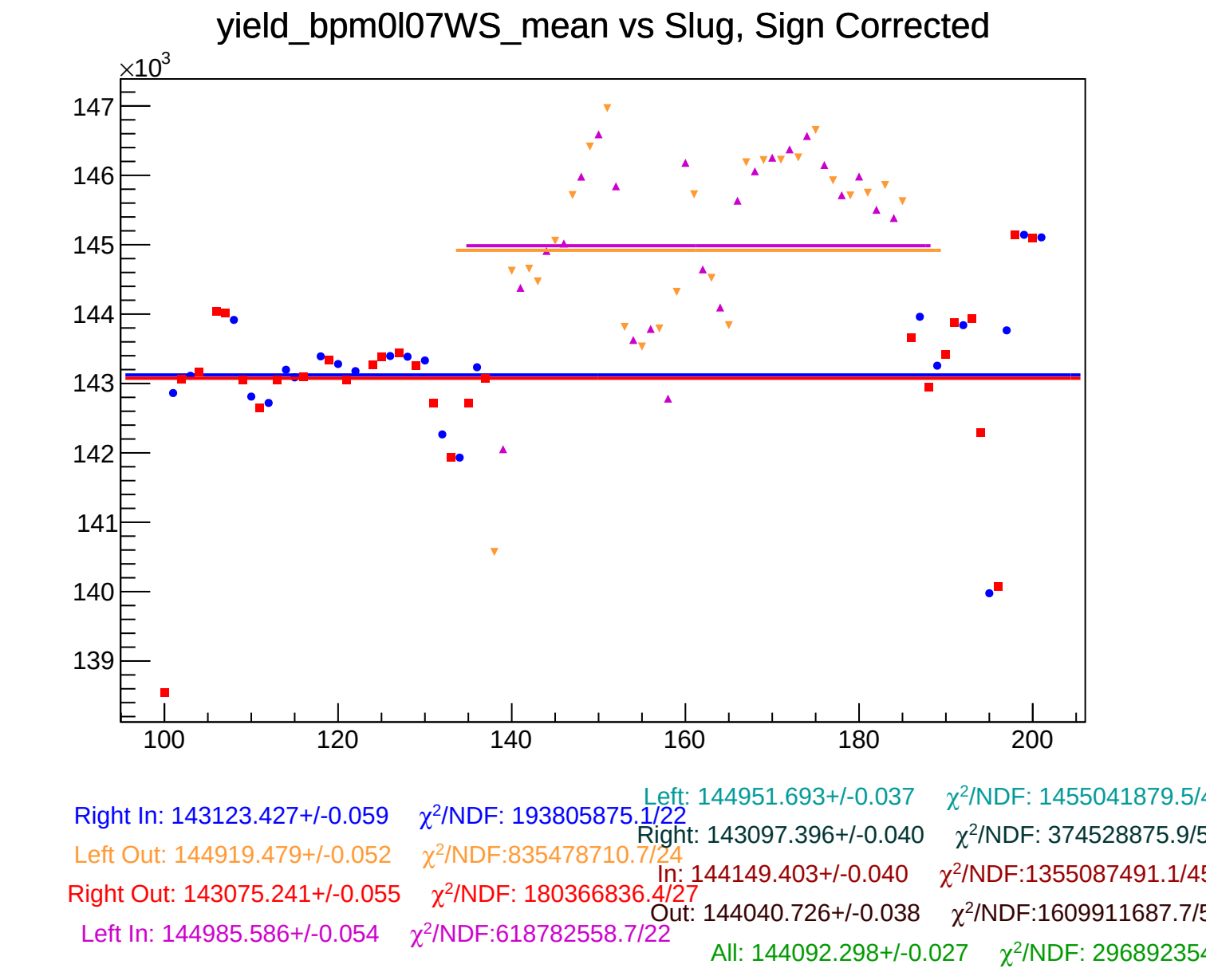
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 17.038+/-0.004 χ^2/NDF: 30632460.4/50

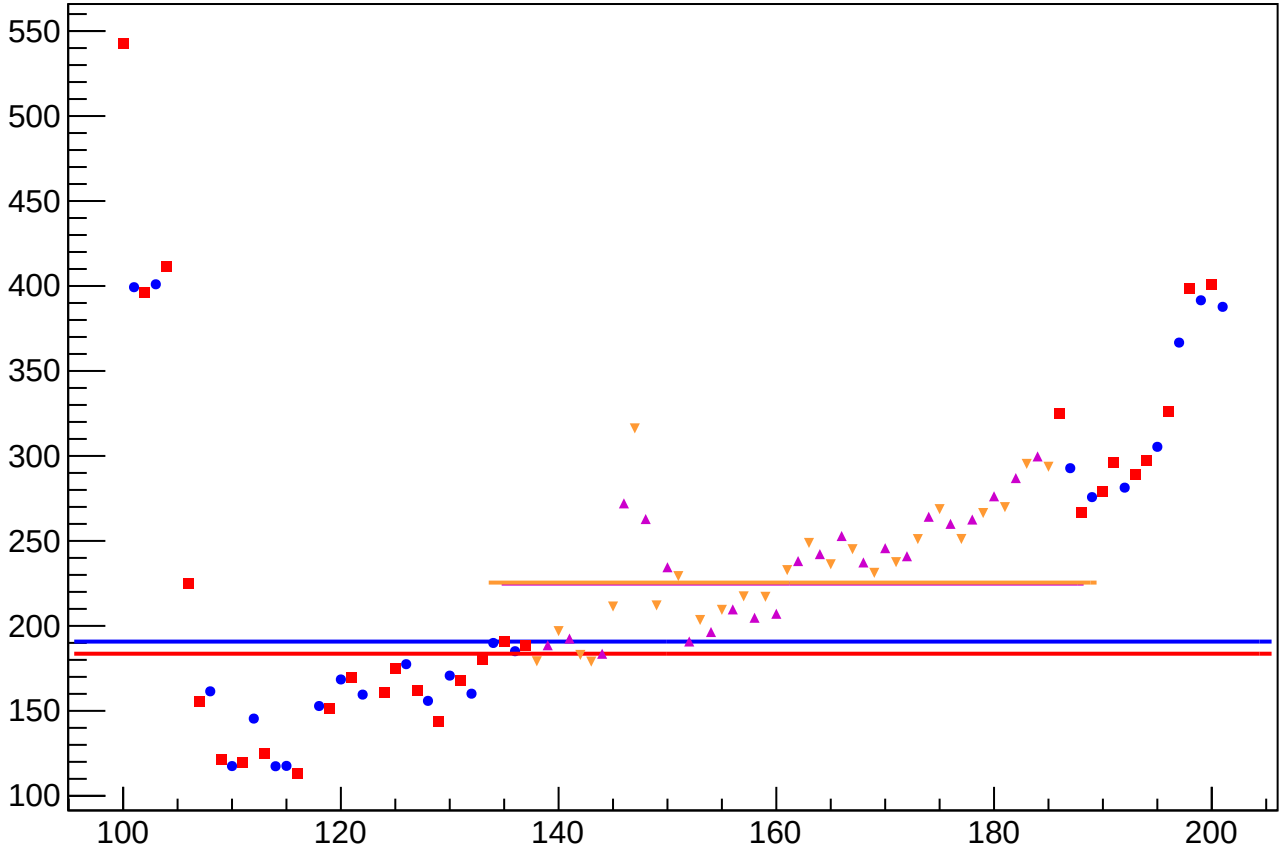
In: 21.044+/-0.005 χ^2/NDF:43914895.4/45

Out: 23.283+/-0.006 χ^2/NDF:47058384.9/52

All: 22.068+/-0.004 χ^2/NDF: 91056605.6/98


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
120
140
160
180
200
Right In: 143123.427+/-0.059 χ²/NDF: 193805875.1/22
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143075.241+/-0.055 χ²/NDF: 180366836.4/27
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143097.396+/-0.040 χ²/NDF: 374528875.9/5
In: 144149.403+/-0.040 χ²/NDF:1355087491.1/45
Out: 144040.726+/-0.038 χ²/NDF:1609911687.7/5
All: 144092.298+/-0.027 χ²/NDF: 29689235

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: 183.628+/-0.039 χ^2/NDF: 4095010.1/27

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

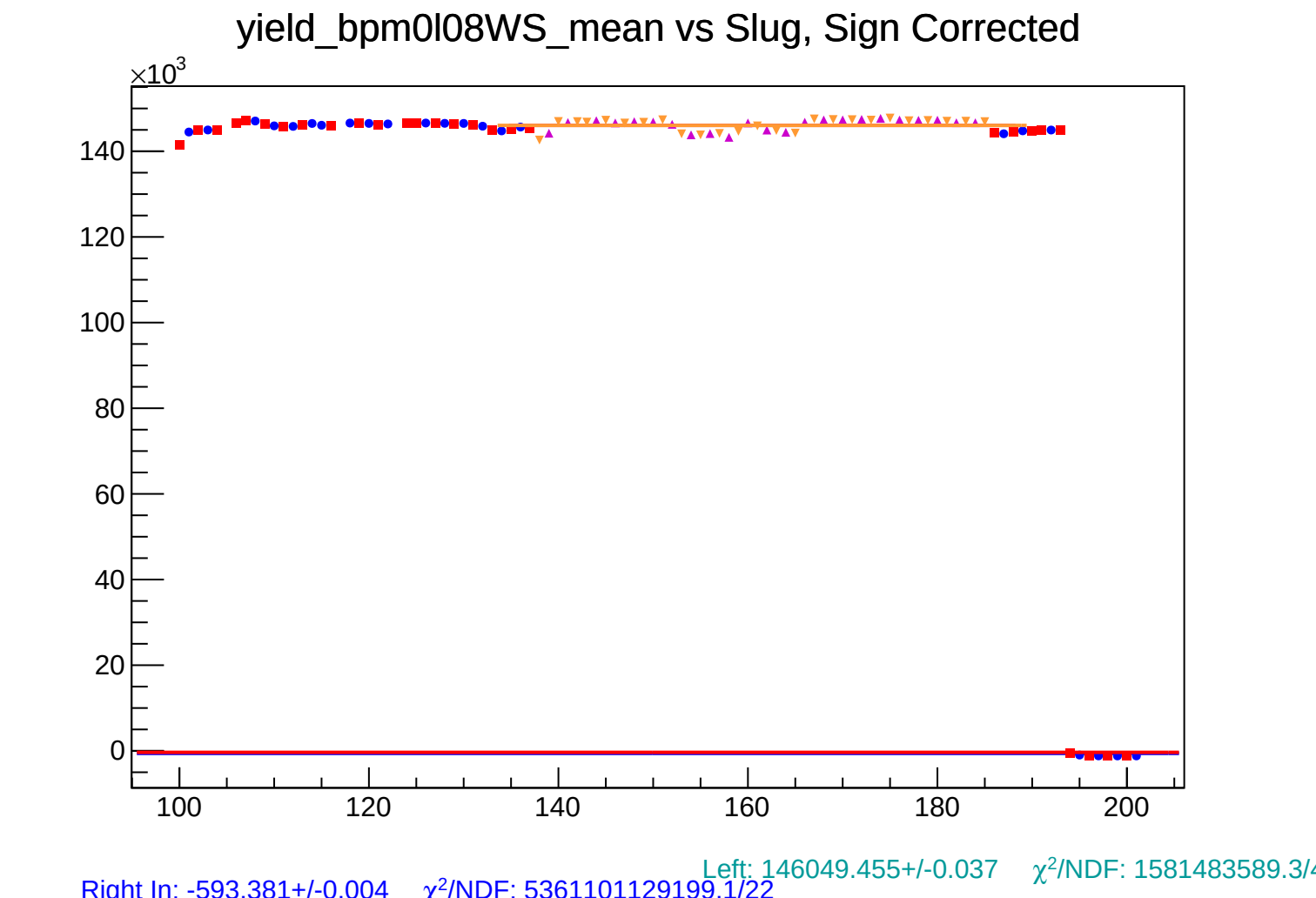
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 186.909+/-0.028 χ^2/NDF: 7427651.0/50

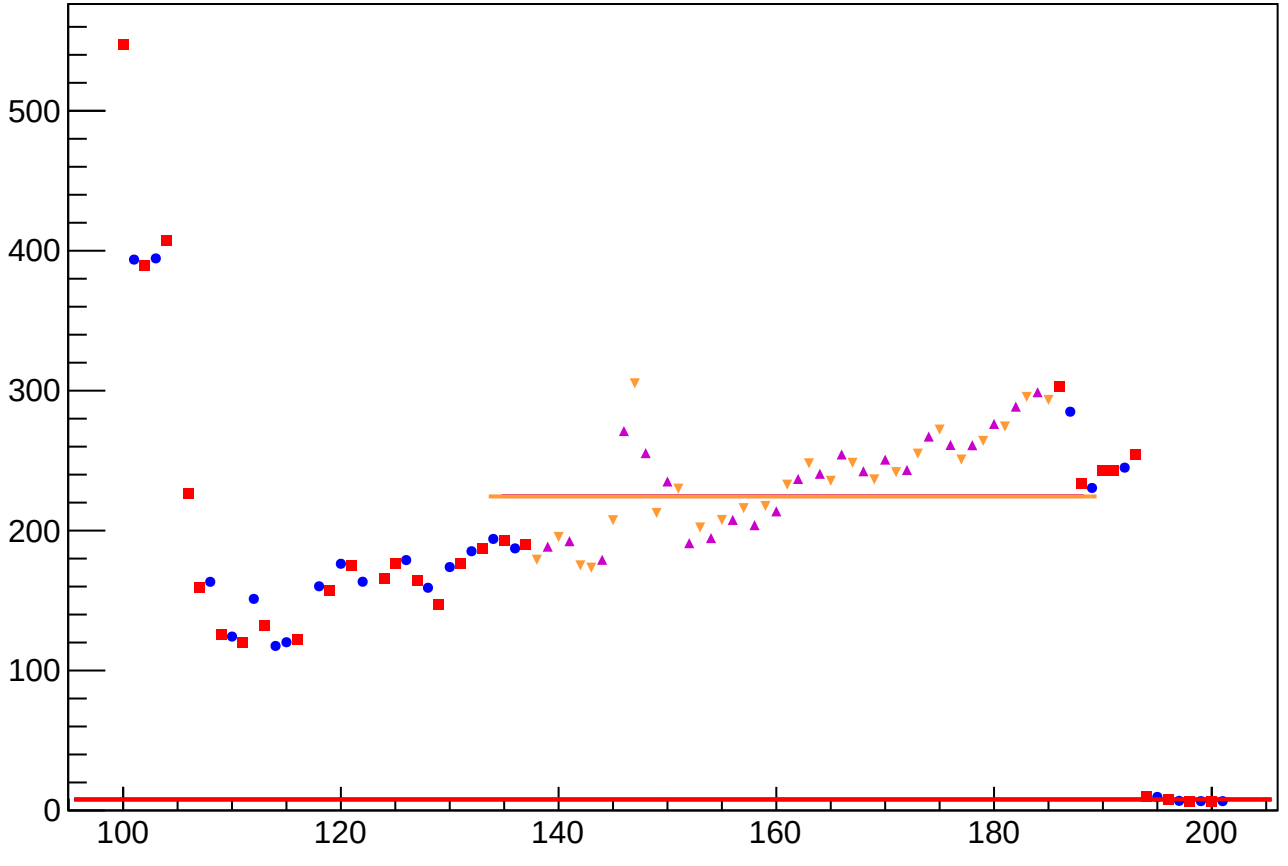
In: 209.554+/-0.028 χ^2/NDF:4404766.5/45

Out: 205.537+/-0.027 χ^2/NDF:5482211.3/52

All: 207.443+/-0.019 χ^2/NDF: 9897701.5/98


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: -593.381+/-0.004 χ²/NDF: 5361101129199.1/22
Left Out: 146042.636+/-0.052 χ²/NDF:882705044.1/24
Right Out: -353.090+/-0.004 χ²/NDF: 6439769047657.5/27
Left In: 146056.687+/-0.054 χ²/NDF:698743124.4/22
Left: 146049.455+/-0.037 χ²/NDF: 1581483589.3/4
Right: -482.480+/-0.003 χ²/NDF: 11802613426137
In: 183.896+/-0.004 χ²/NDF:12818509079266.4/4
Out: 605.823+/-0.004 χ²/NDF:14311649829168.9
All: 378.758+/-0.003 χ²/NDF: 271355659847

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: 7.983+/-0.003 χ^2/NDF: 18319283.1/27

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

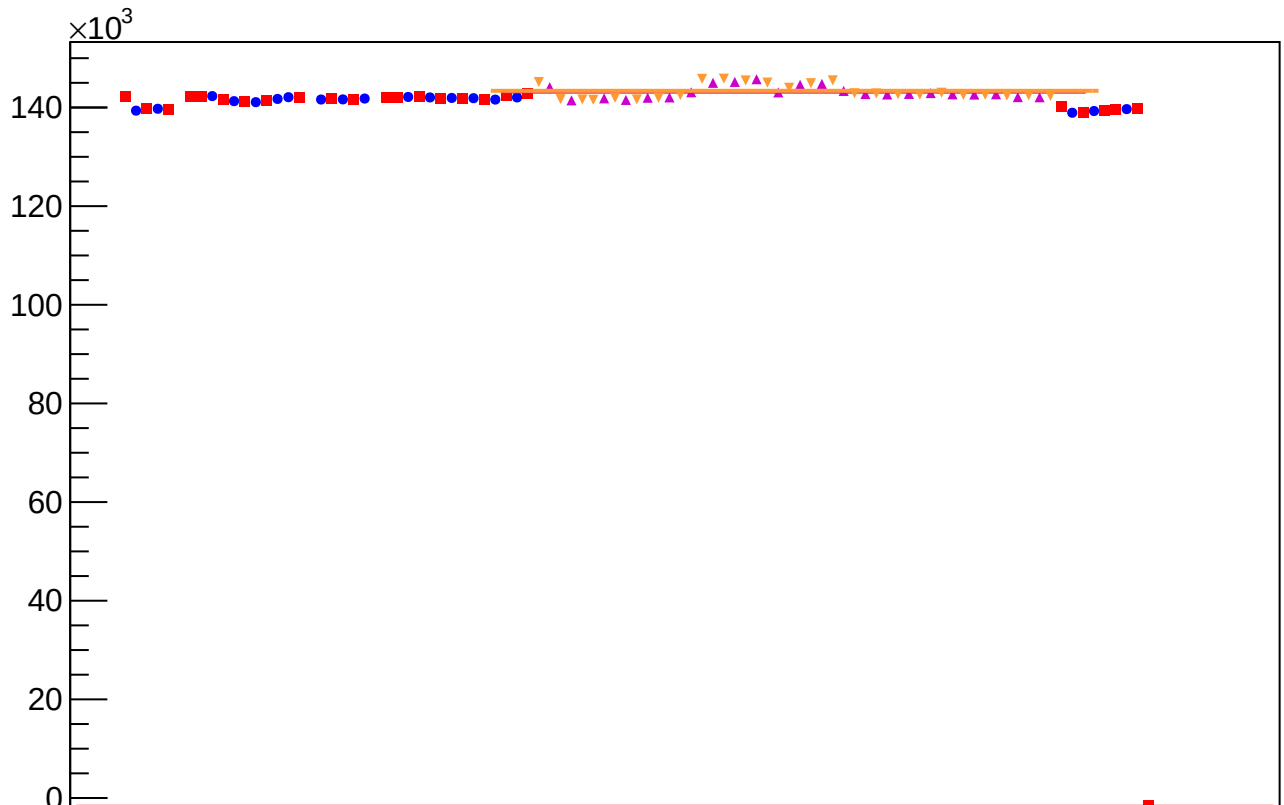
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.883+/-0.002 χ^2/NDF: 34351281.4/50

In: 8.947+/-0.003 χ^2/NDF:49397536.2/45

Out: 9.401+/-0.003 χ^2/NDF:53573506.1/52

All: 9.157+/-0.002 χ^2/NDF: 102983540.0/98



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: -1781.773+/-0.005 χ^2/NDF: 5805903183743.4/27

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

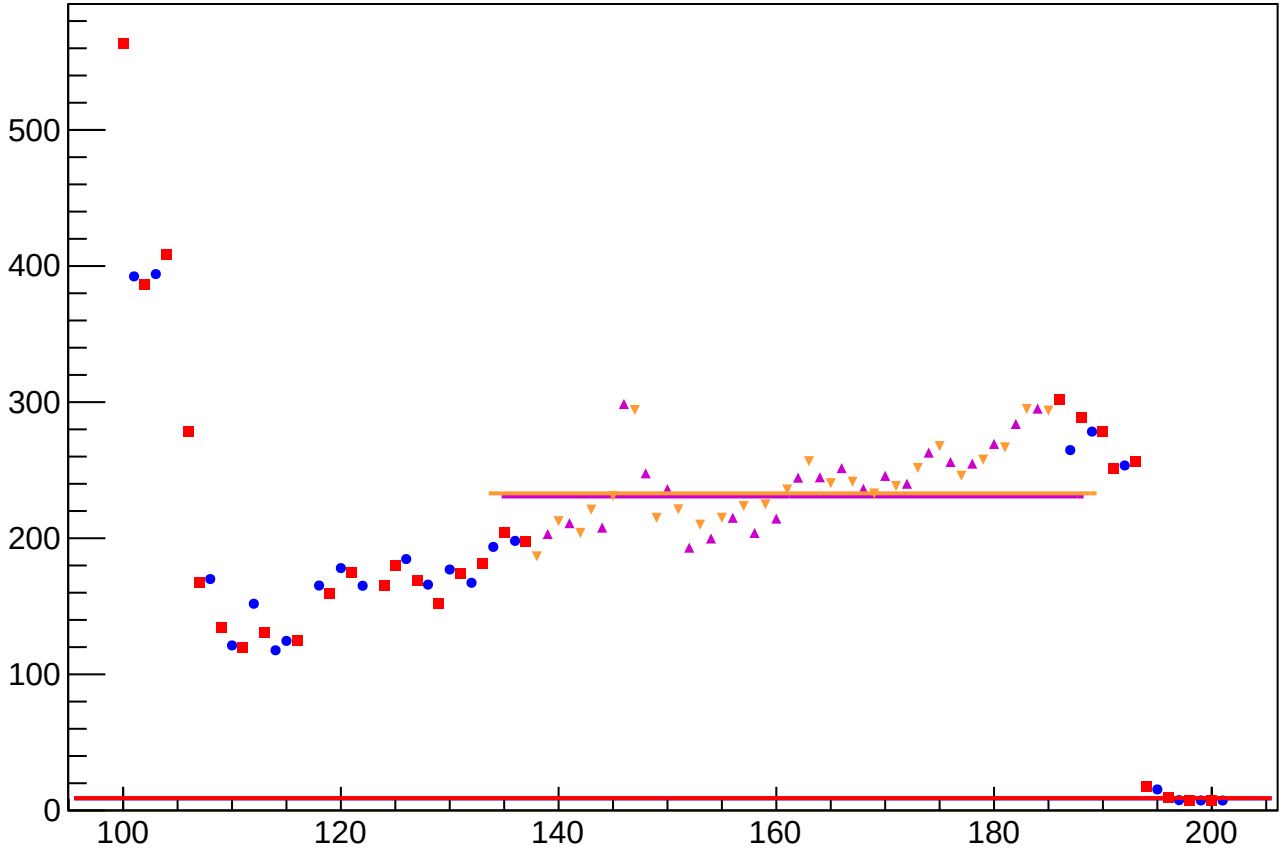
Right: -1929.521+/-0.003 χ^2/NDF: 1075554162011

In: -1088.204+/-0.004 χ^2/NDF:11922184285784.6

Out: -608.350+/-0.005 χ^2/NDF:13059919364264.8

All: -866.328+/-0.003 χ^2/NDF: 2498741762

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: 9.073+/-0.003 χ^2/NDF: 18321381.6/27

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

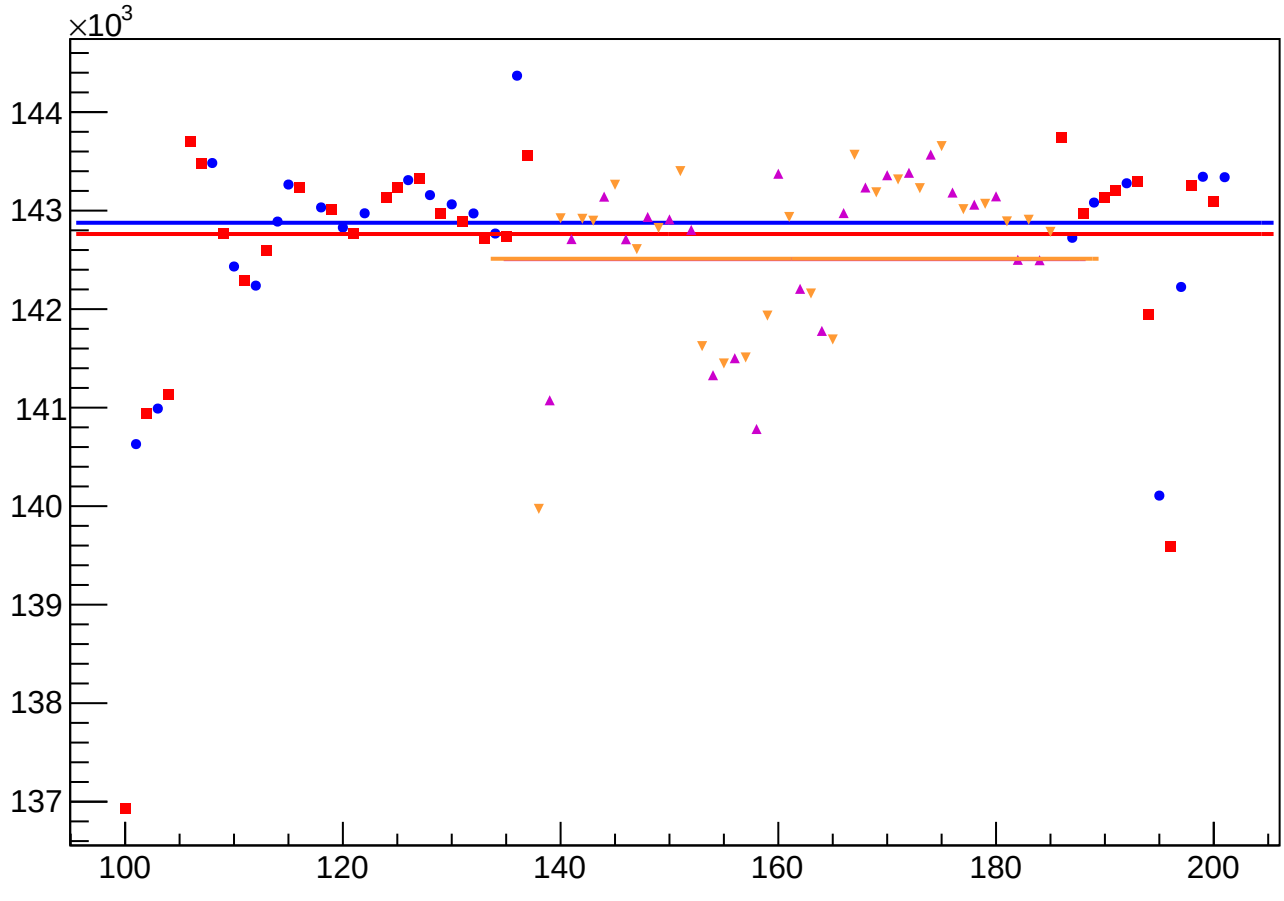
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.944+/-0.002 χ^2/NDF: 34482887.9/50

In: 10.311+/-0.003 χ^2/NDF:49198648.2/45

Out: 10.883+/-0.003 χ^2/NDF:53286151.2/52

All: 10.576+/-0.002 χ^2/NDF: 102499930.3/98



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: 142762.553+/-0.057 χ^2/NDF: 160751606.9/27

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

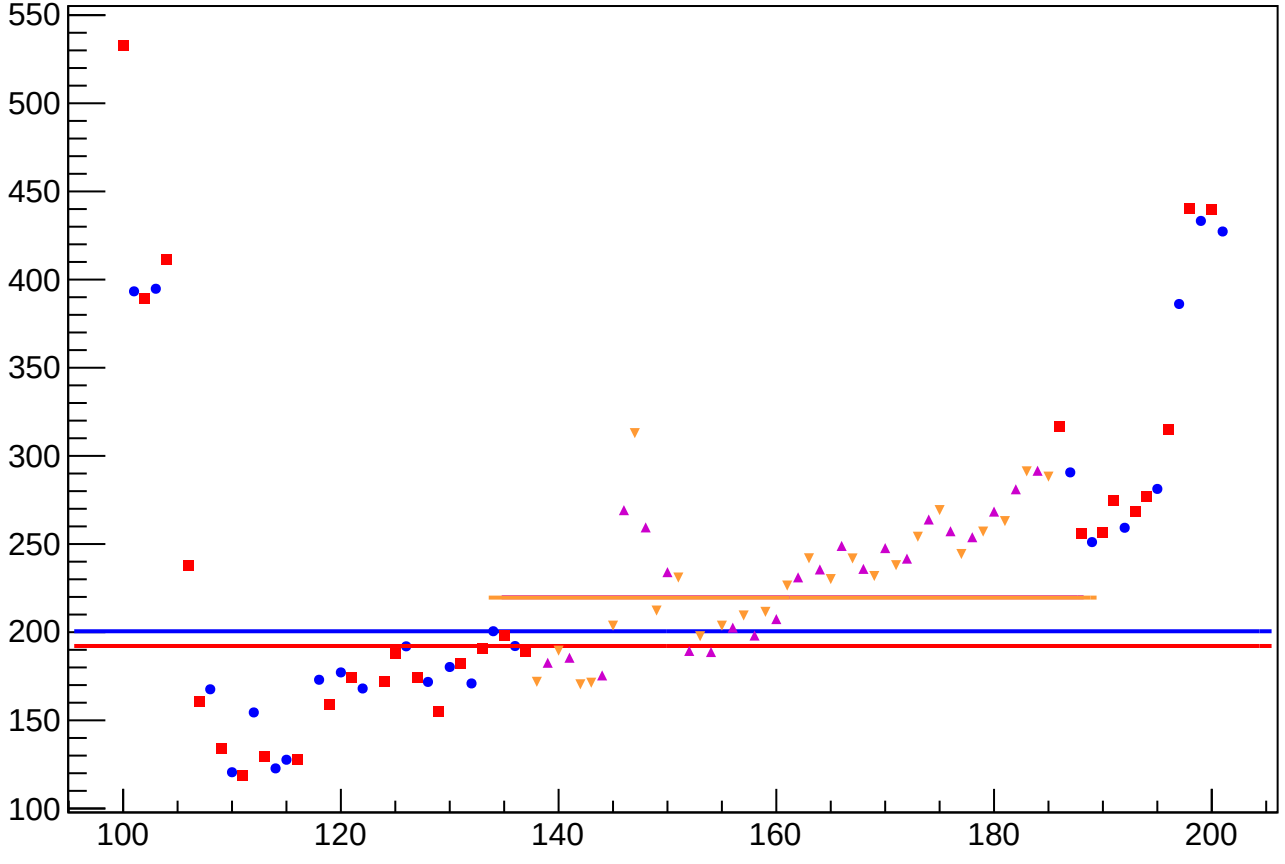
Right: 142814.625+/-0.042 χ^2/NDF: 363113349.1/5

In: 142661.261+/-0.040 χ^2/NDF:490455832.0/45

Out: 142623.227+/-0.038 χ^2/NDF:509682021.8/52

All: 142641.208+/-0.028 χ^2/NDF: 10006137

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: 192.173+/-0.040 χ^2/NDF: 3641800.6/27

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

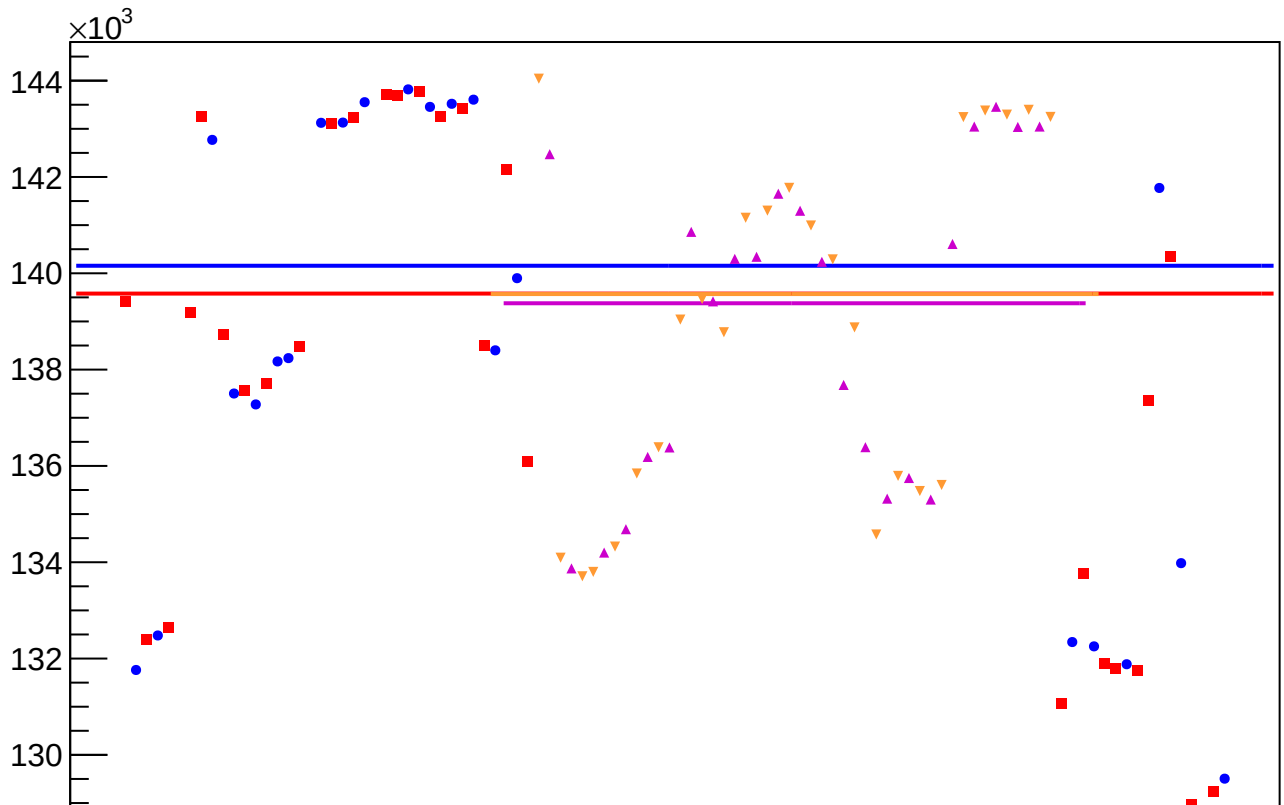
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 195.983+/-0.030 χ^2/NDF: 6656770.0/50

In: 211.784+/-0.028 χ^2/NDF:3913540.5/45

Out: 207.397+/-0.027 χ^2/NDF:4802749.4/52

All: 209.471+/-0.019 χ^2/NDF: 8728952.7/98



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: 139578.656+/-0.087 χ^2/NDF: 2664517568.5/27

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

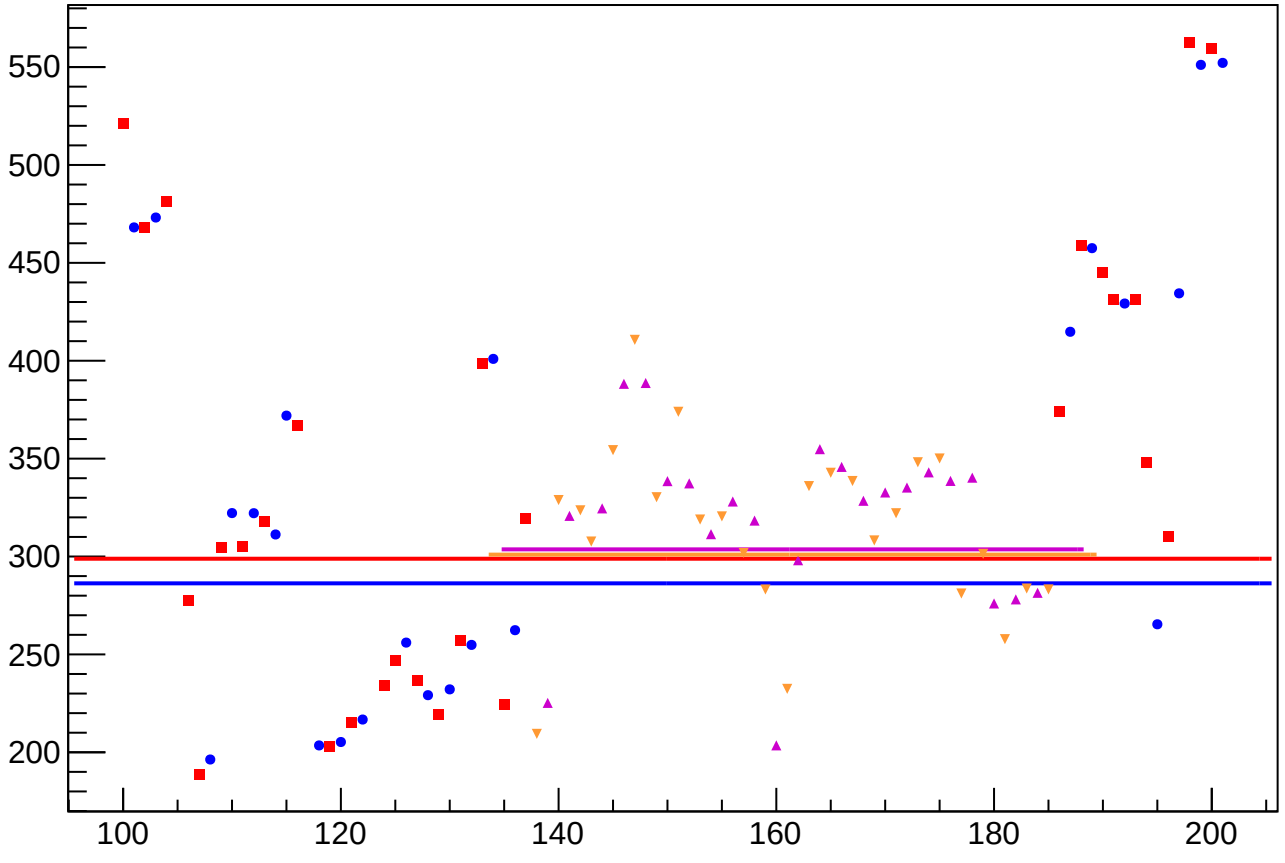
Right: 139863.361+/-0.062 χ^2/NDF: 5245830378.6/

In: 139694.293+/-0.056 χ^2/NDF:4527291824.1/45

Out: 139572.653+/-0.055 χ^2/NDF:5251164257.5/5

All: 139631.623+/-0.039 χ^2/NDF: 97808699

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: 298.871+/-0.061 χ^2/NDF: 2596843.2/27

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

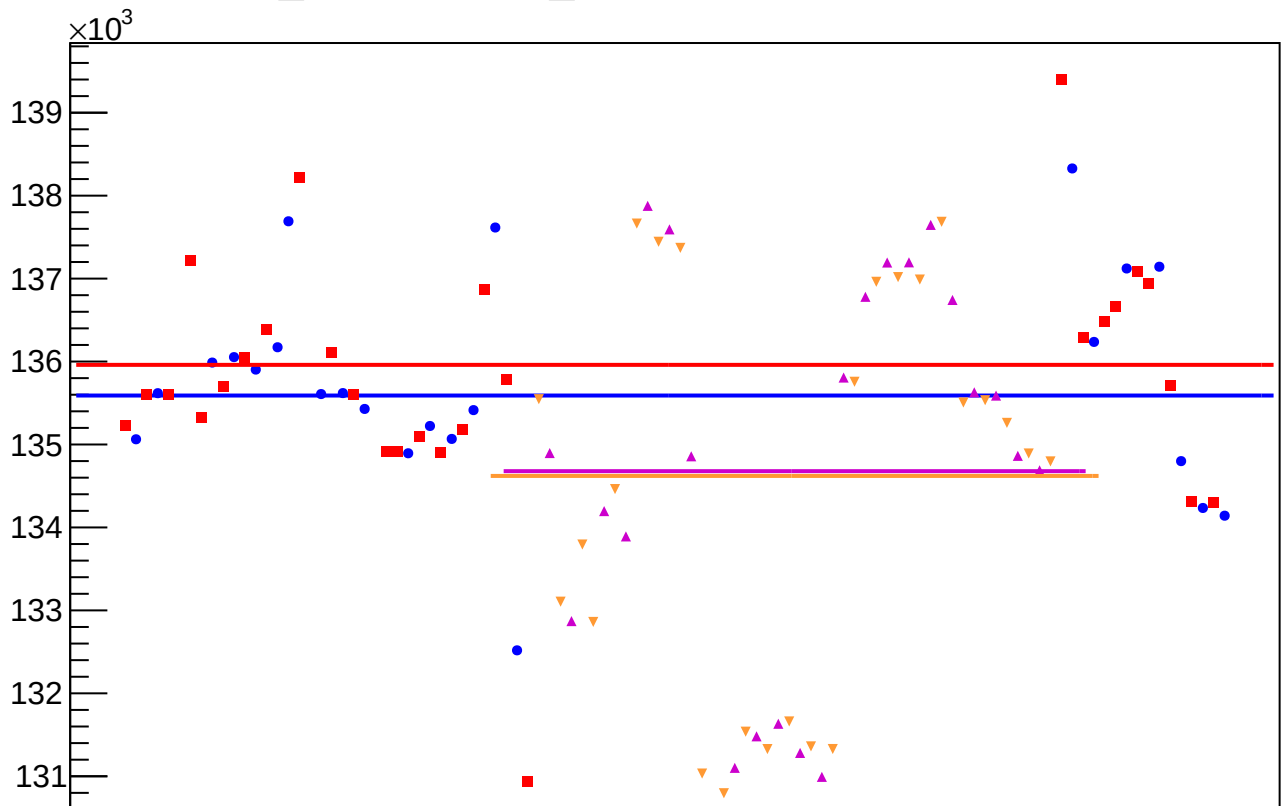
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 292.677+/-0.044 χ^2/NDF: 5107610.0/50

In: 296.600+/-0.040 χ^2/NDF:3512418.6/45

Out: 300.139+/-0.039 χ^2/NDF:3474437.1/52

All: 298.424+/-0.028 χ^2/NDF: 6990942.5/98



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: 135960.047+/-0.078 χ^2/NDF: 229107904.4/27

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

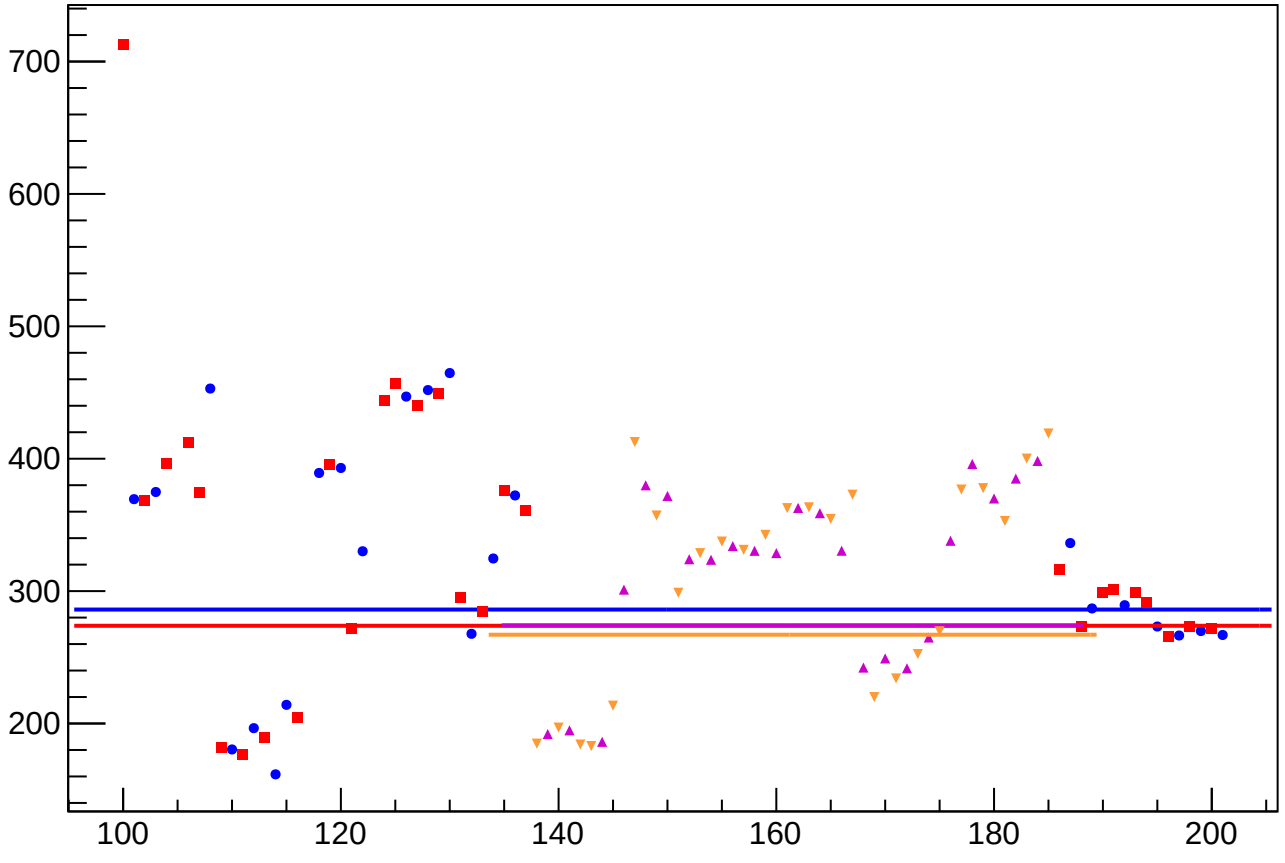
Right: 135791.921+/-0.057 χ^2/NDF: 456590060.8/5

In: 135026.316+/-0.053 χ^2/NDF:1384373677.2/45

Out: 135158.836+/-0.049 χ^2/NDF:1607895319.0/5

All: 135096.877+/-0.036 χ^2/NDF: 29956471

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: 273.820+/-0.055 χ^2/NDF: 1728846.8/27

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

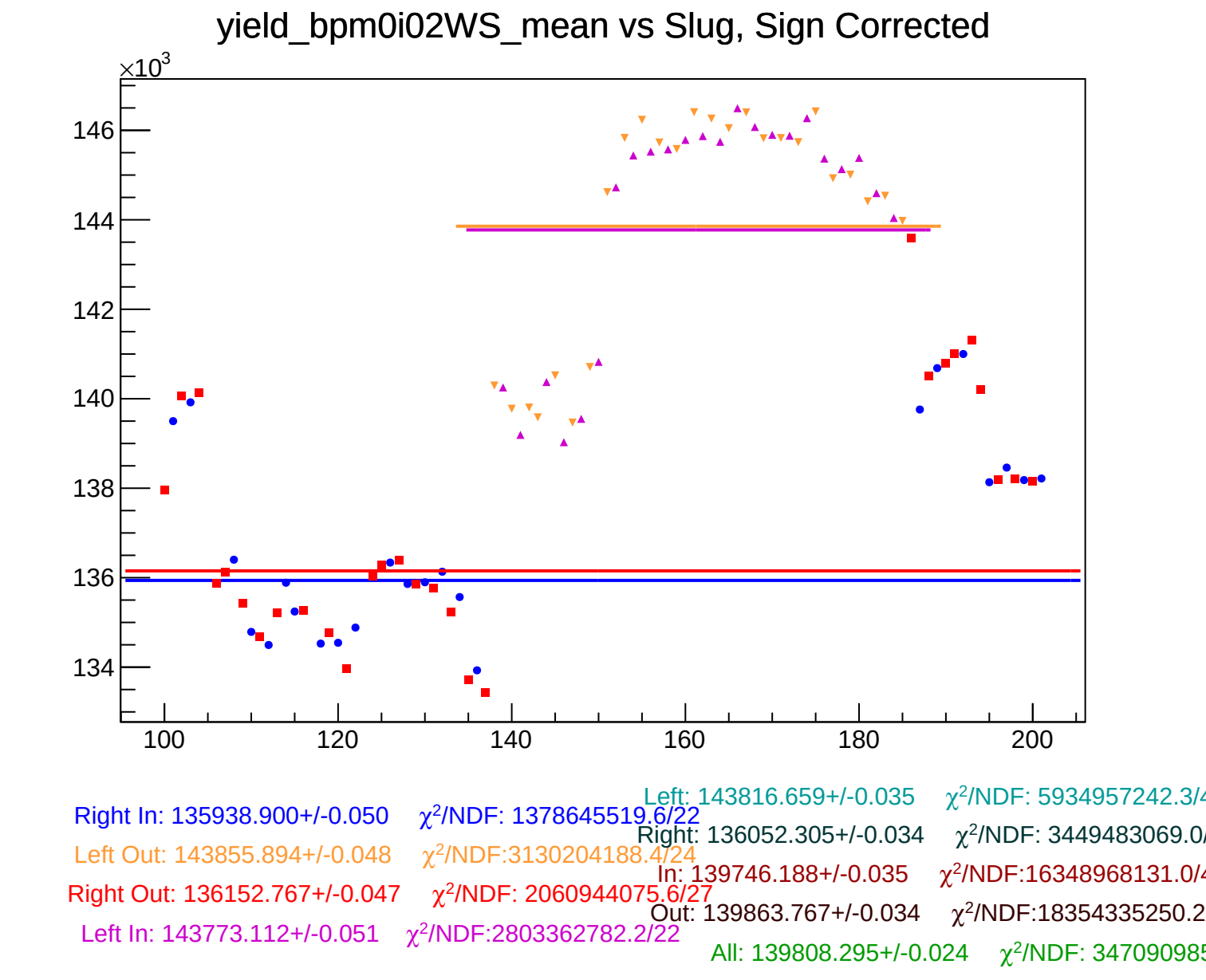
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 279.394+/-0.041 χ^2/NDF: 3242505.0/50

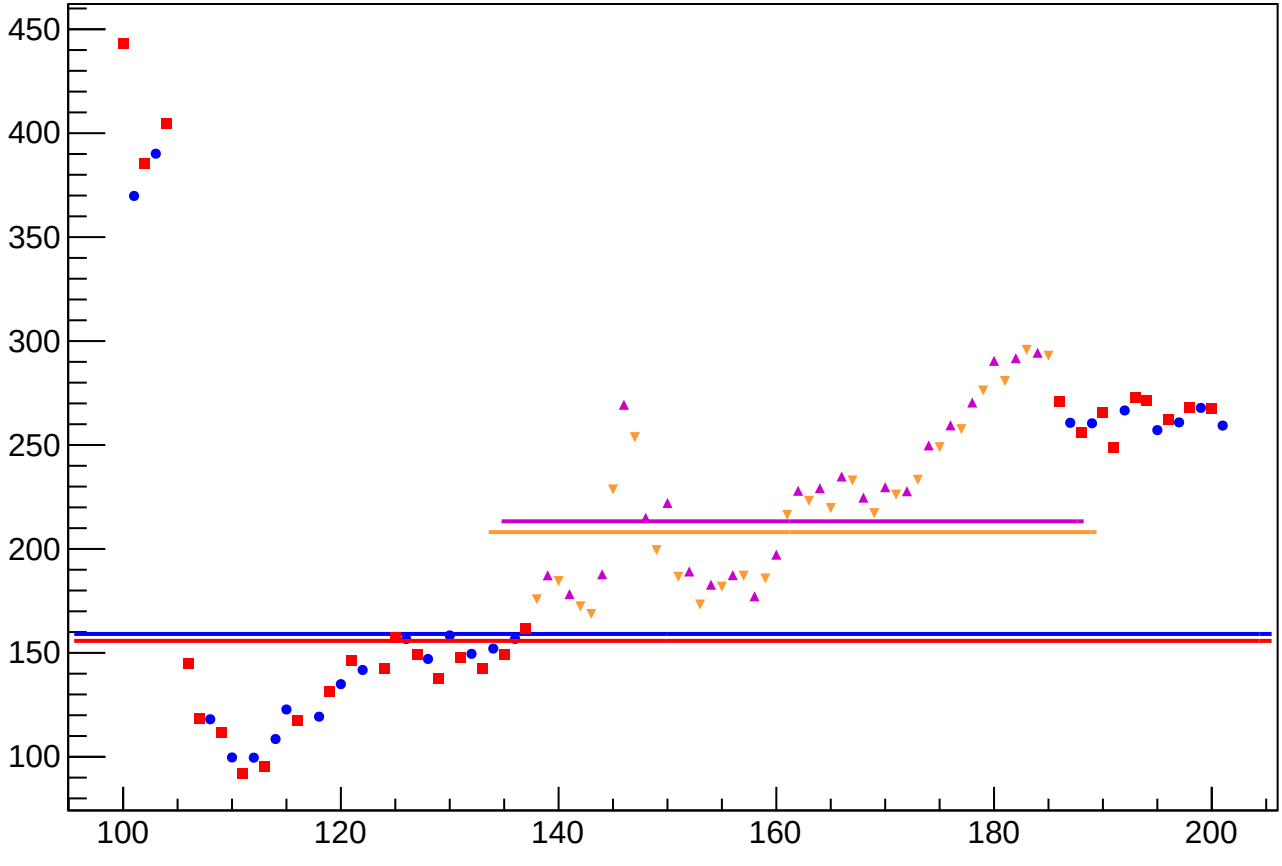
In: 278.717+/-0.037 χ^2/NDF:3751977.5/45

Out: 269.771+/-0.035 χ^2/NDF:4581209.6/52

All: 273.954+/-0.025 χ^2/NDF: 8363970.5/98


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: 136152.767+/-0.047 χ²/NDF: 2060944075.6/27
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136052.305+/-0.034 χ²/NDF: 3449483069.0/
In: 139746.188+/-0.035 χ²/NDF:16348968131.0/4
Out: 139863.767+/-0.034 χ²/NDF:18354335250.2
All: 139808.295+/-0.024 χ²/NDF: 34709098

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: 155.777+/-0.033 χ^2/NDF: 4111151.4/27

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

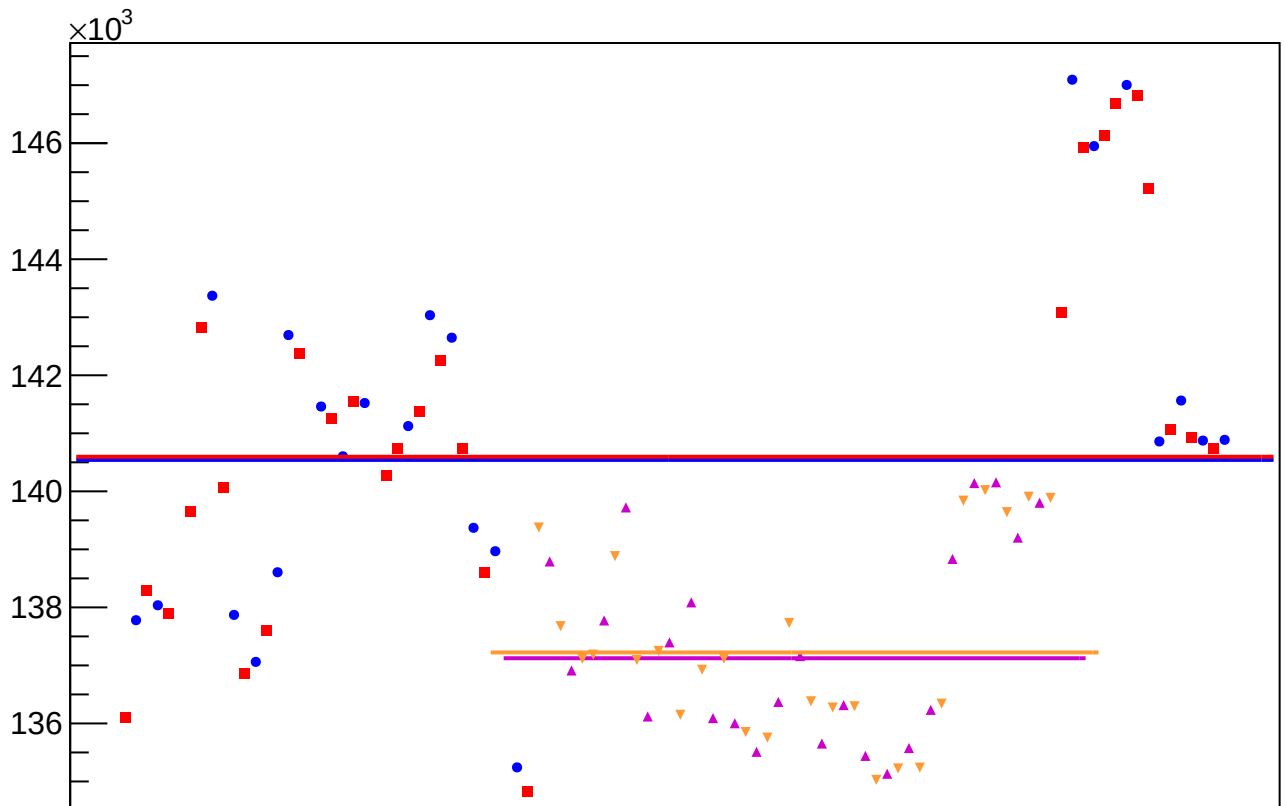
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 157.342+/-0.024 χ^2/NDF: 7420997.6/50

In: 185.439+/-0.025 χ^2/NDF:5334384.4/45

Out: 180.984+/-0.024 χ^2/NDF:6318809.5/52

All: 183.086+/-0.017 χ^2/NDF: 11669832.6/98



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: 140595.798+/-0.052 χ^2/NDF: 3239167242.3/27

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

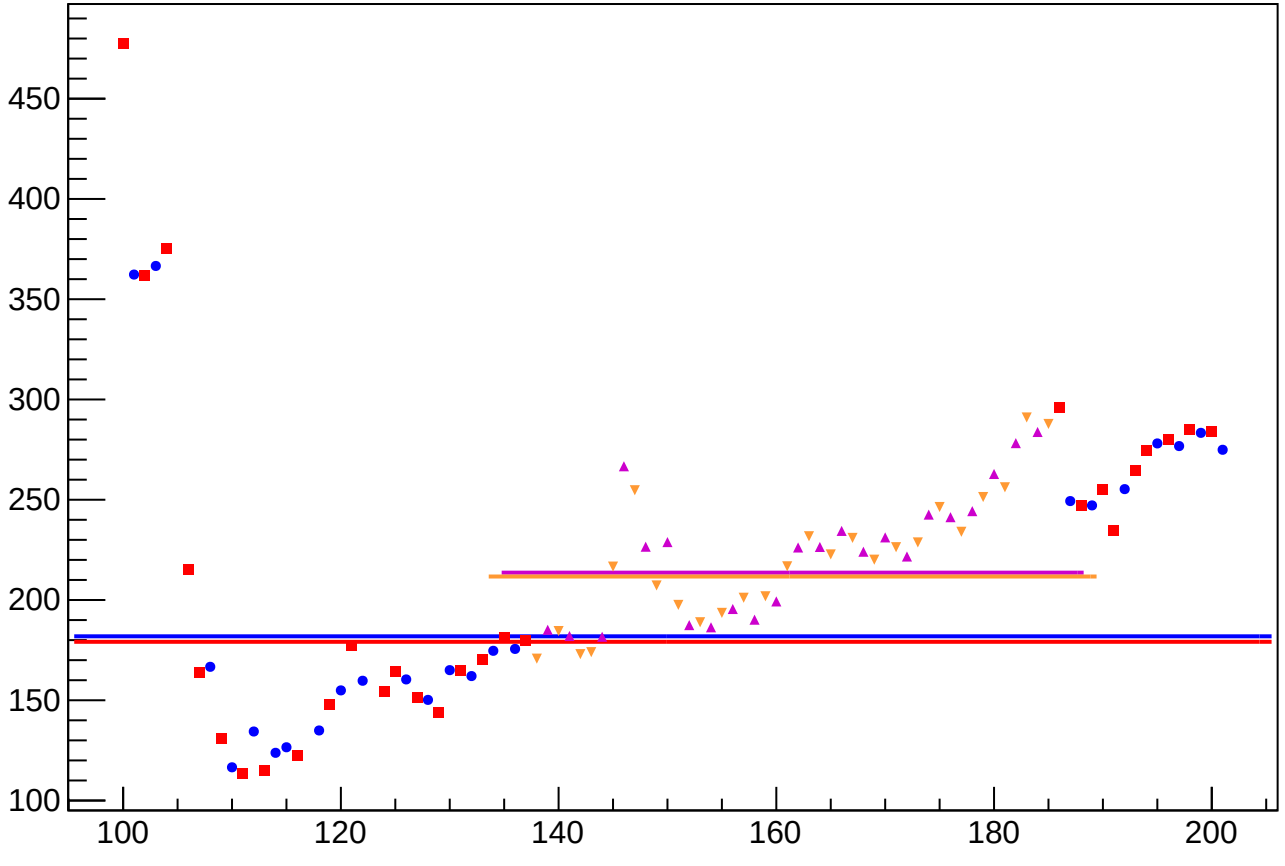
Right: 140570.337+/-0.038 χ^2/NDF: 6047059172.6/

In: 138687.633+/-0.037 χ^2/NDF:5731083048.2/45

Out: 138798.596+/-0.036 χ^2/NDF:6341465240.5/5

All: 138745.667+/-0.026 χ^2/NDF: 12077129

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: 179.159+/-0.037 χ^2/NDF: 3053339.3/27

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

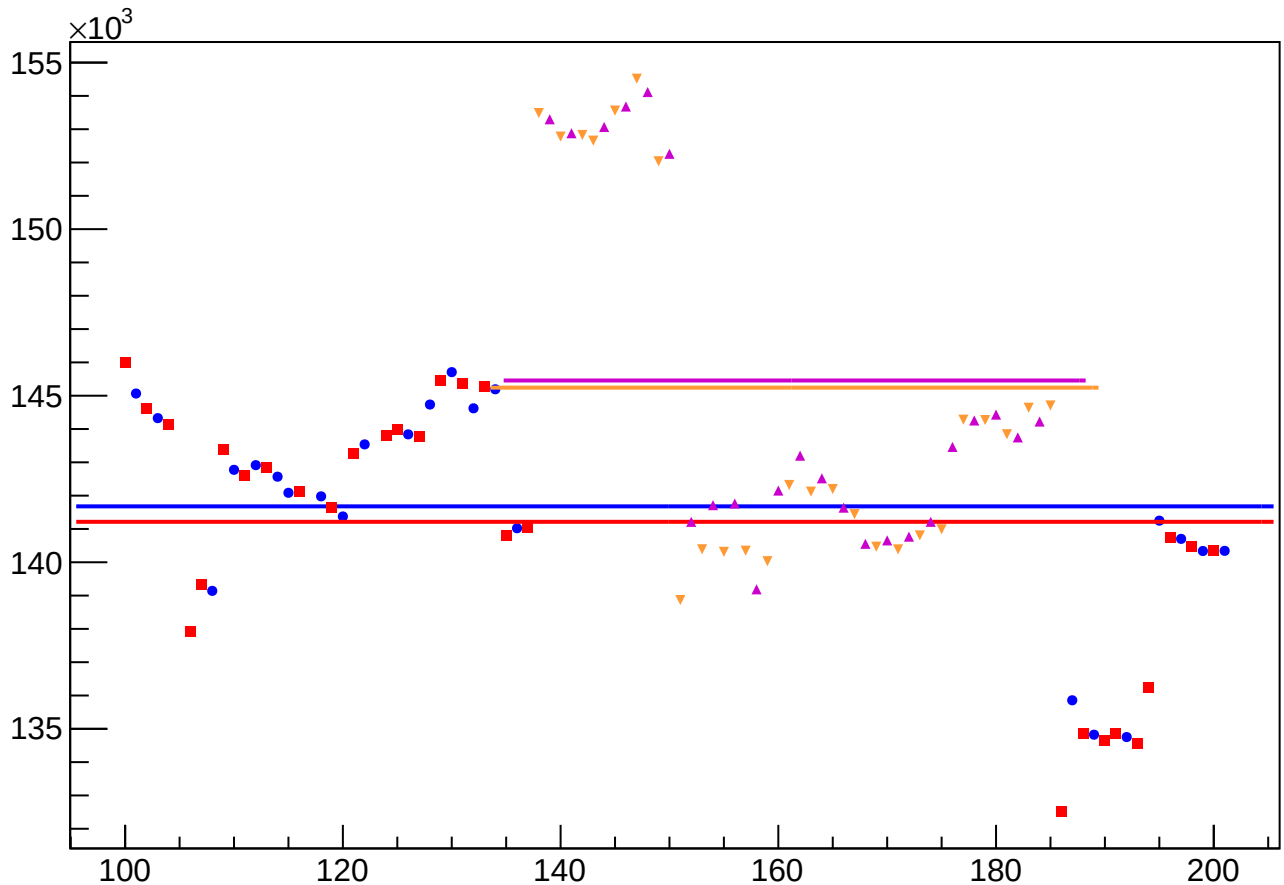
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 180.450+/-0.027 χ^2/NDF: 5439944.7/50

In: 199.115+/-0.027 χ^2/NDF:3361249.9/45

Out: 196.509+/-0.025 χ^2/NDF:4140442.9/52

All: 197.752+/-0.018 χ^2/NDF: 7506744.2/98



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: 141214.443+/-0.052 χ^2/NDF: 4378805847.8/27

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

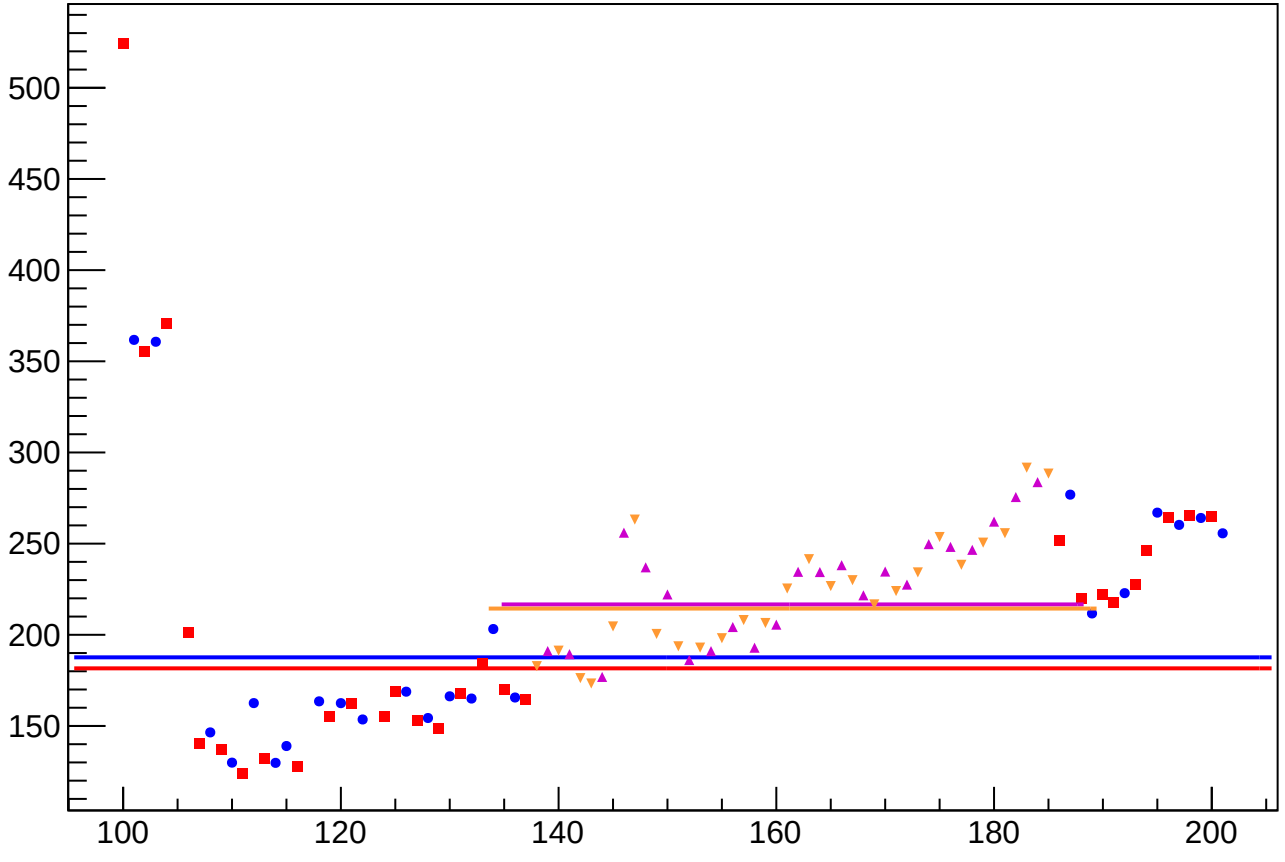
Right: 141428.650+/-0.038 χ^2/NDF: 7147308512.4/

In: 143733.803+/-0.038 χ^2/NDF:16251832141.0/4

Out: 143329.231+/-0.036 χ^2/NDF:20541378871.1

All: 143520.111+/-0.026 χ^2/NDF: 36852946

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: 181.598+/-0.037 χ^2/NDF: 2161777.8/27

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

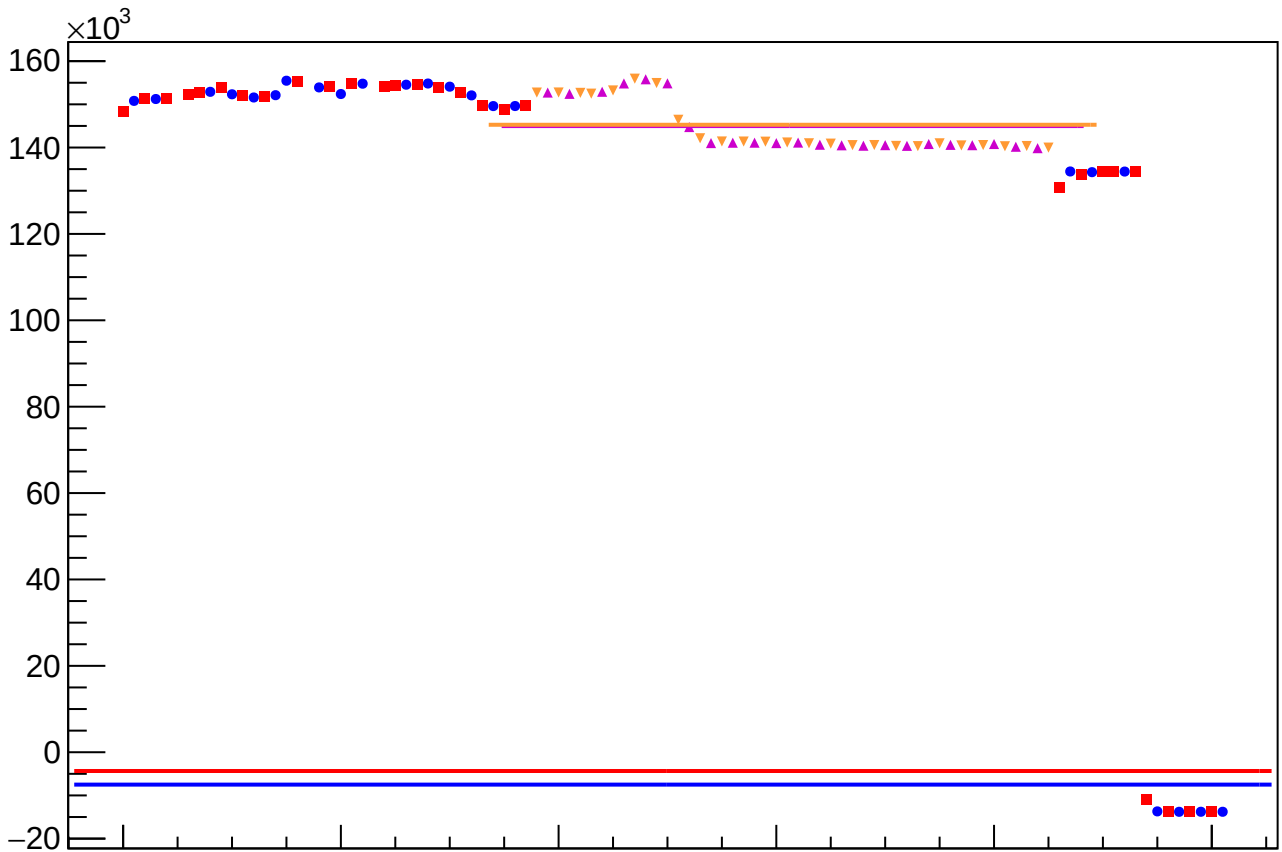
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 184.386+/-0.027 χ^2/NDF: 3889034.6/50

In: 203.422+/-0.027 χ^2/NDF:2590721.0/45

Out: 198.816+/-0.025 χ^2/NDF:3220043.1/52

All: 200.989+/-0.018 χ^2/NDF: 5826250.1/98



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: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

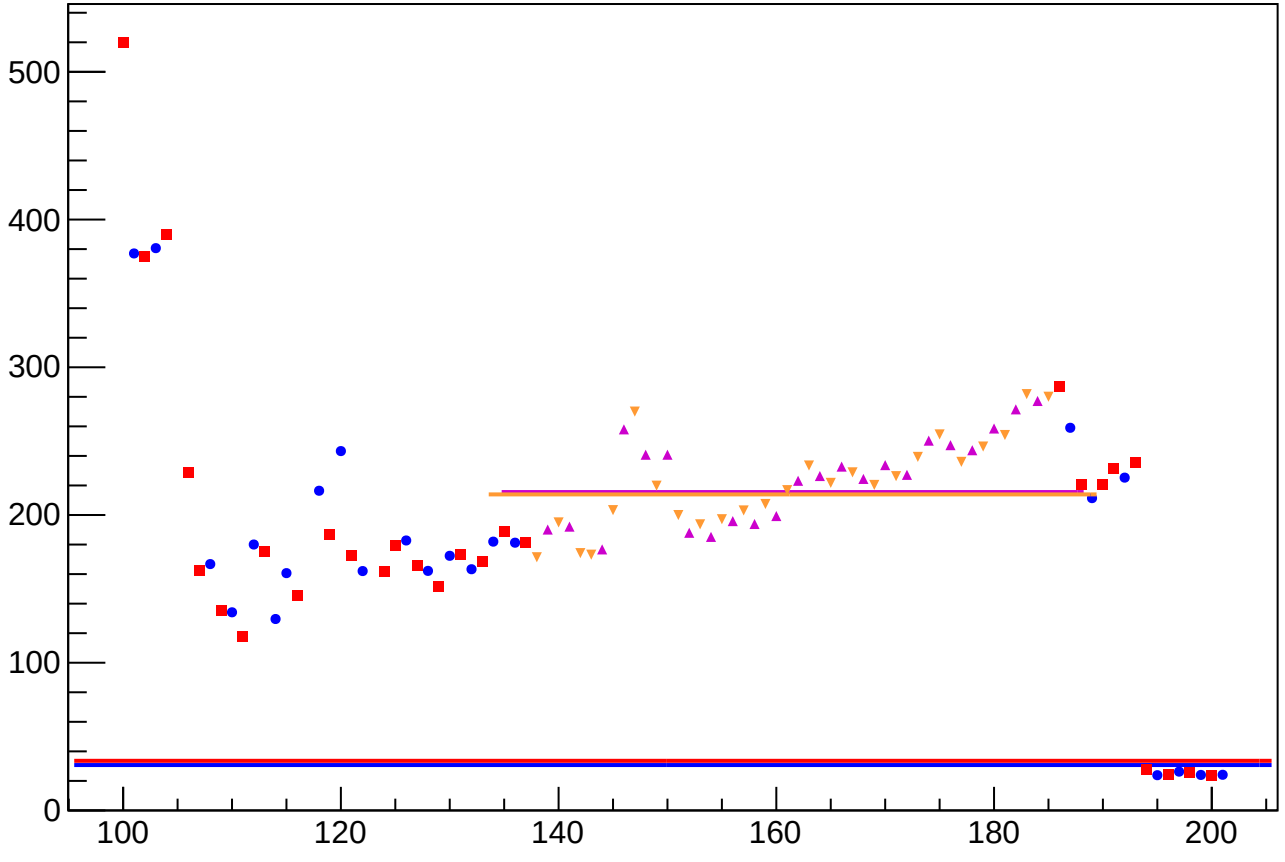
Right: -6050.730+/-0.010 χ^2/NDF: 1267178214424

In: 1863.880+/-0.013 χ^2/NDF:14089266765493.0

Out: 7112.251+/-0.014 χ^2/NDF:15378775739794.

All: 4293.465+/-0.009 χ^2/NDF: 2954724982

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: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

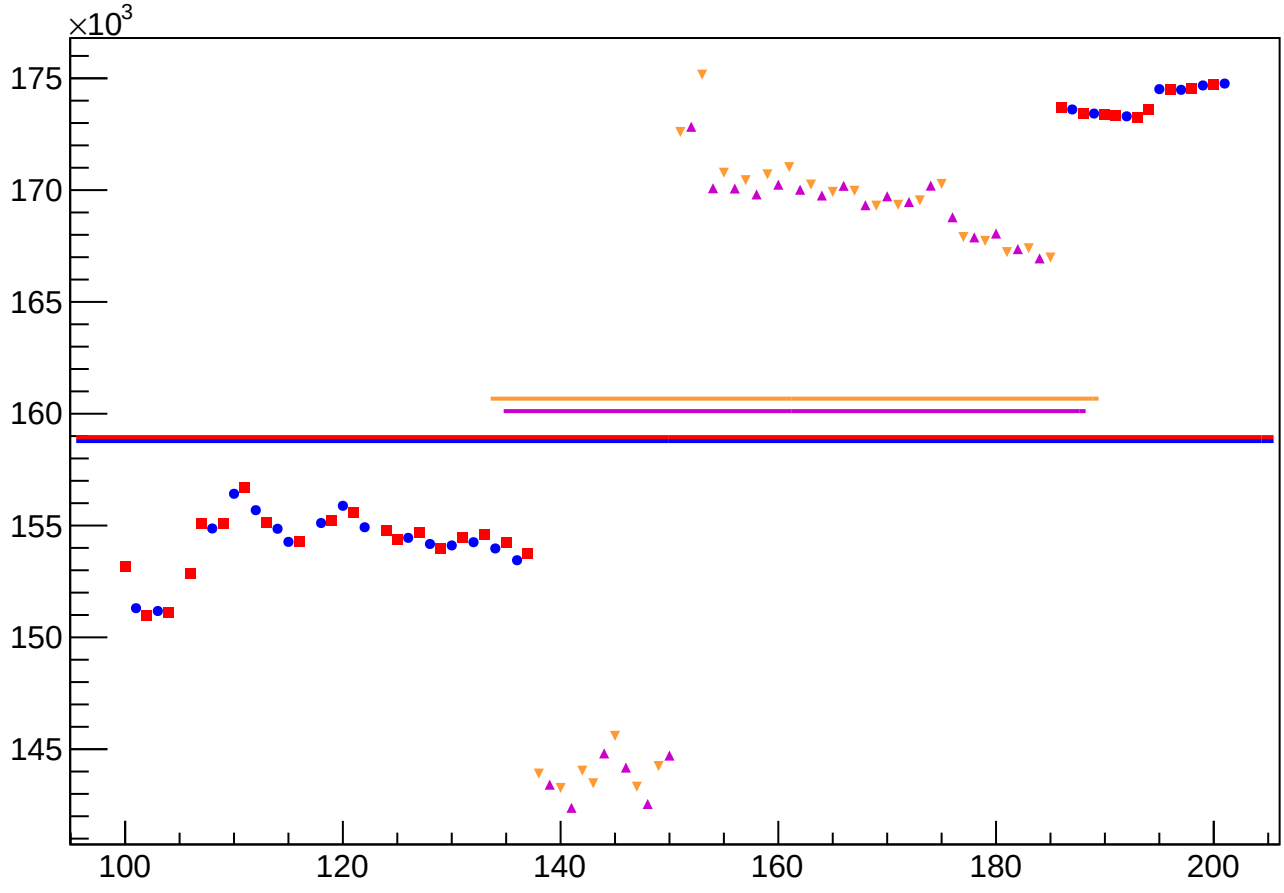
Right: 32.055+/-0.007 χ^2/NDF: 26366502.6/50

In: 42.084+/-0.009 χ^2/NDF:37459524.2/45

Out: 47.418+/-0.010 χ^2/NDF:39191844.4/52

All: 44.553+/-0.007 χ^2/NDF: 76814961.4/98

yield_bpm1i02WS_mean vs Slug, Sign Corrected



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: 158955.145+/-0.054 χ^2/NDF: 21626946466.9/27

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

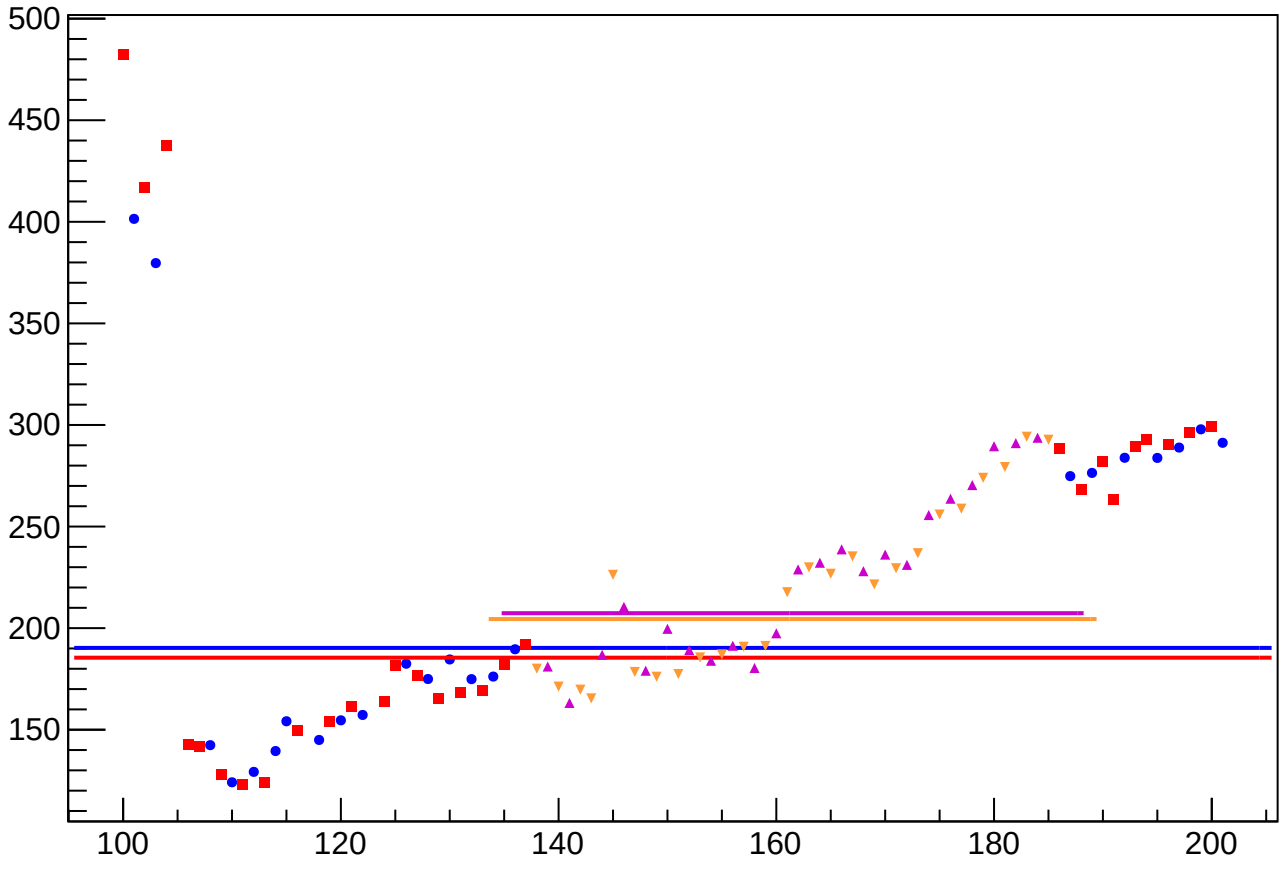
Right: 158872.791+/-0.040 χ^2/NDF: 40434259297.

In: 159554.457+/-0.038 χ^2/NDF:85664600743.7/4

Out: 159926.694+/-0.036 χ^2/NDF:96354901860.5

All: 159750.690+/-0.026 χ^2/NDF: 18207113

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: 185.458+/-0.038 χ^2/NDF: 3229098.6/27

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

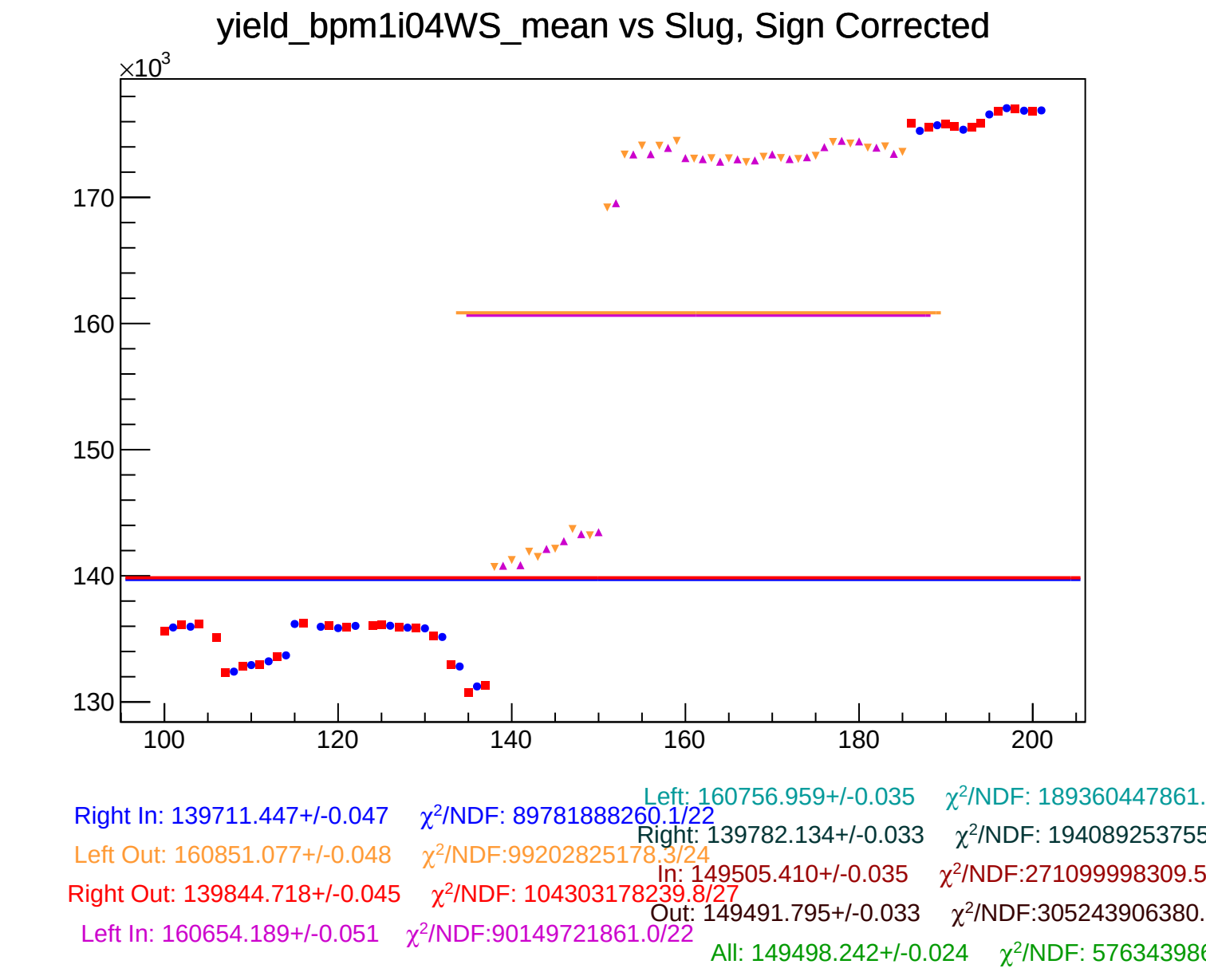
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 187.694+/-0.028 χ^2/NDF: 5770688.0/50

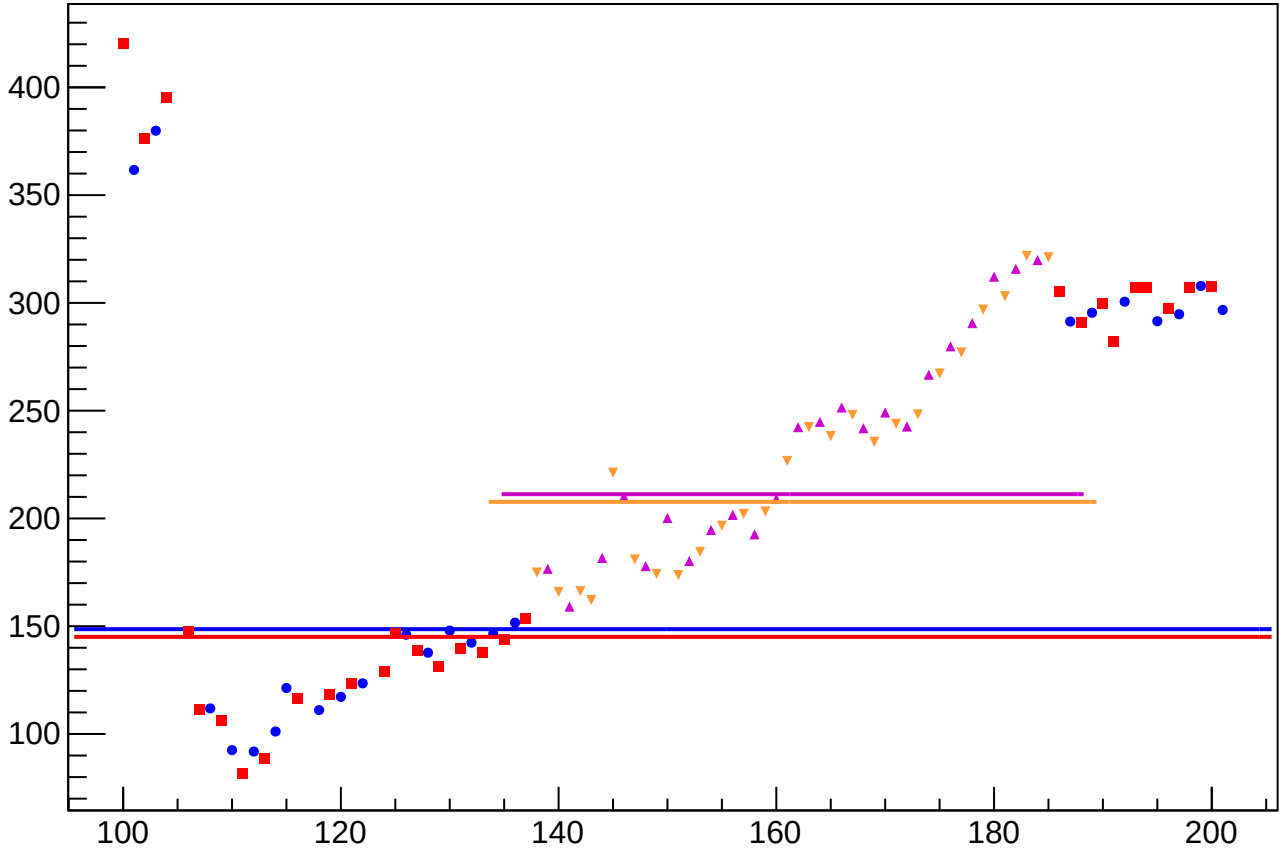
In: 200.185+/-0.027 χ^2/NDF:3591500.8/45

Out: 196.203+/-0.025 χ^2/NDF:4442412.3/52

All: 198.085+/-0.018 χ^2/NDF: 8045730.3/98


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
170
160
150
140
130
100
120
140
160
180
200
Right In: 139711.447+/-0.047 χ²/NDF: 89781888260.1/22
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 139844.718+/-0.045 χ²/NDF: 104303178239.8/27
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
Left: 160756.959+/-0.035 χ²/NDF: 189360447861.
Right: 139782.134+/-0.033 χ²/NDF: 19408925375
In: 149505.410+/-0.035 χ²/NDF:271099998309.5
Out: 149491.795+/-0.033 χ²/NDF:305243906380.
All: 149498.242+/-0.024 χ²/NDF: 57634398

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: 145.046+/-0.032 χ^2/NDF: 5461727.9/27

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

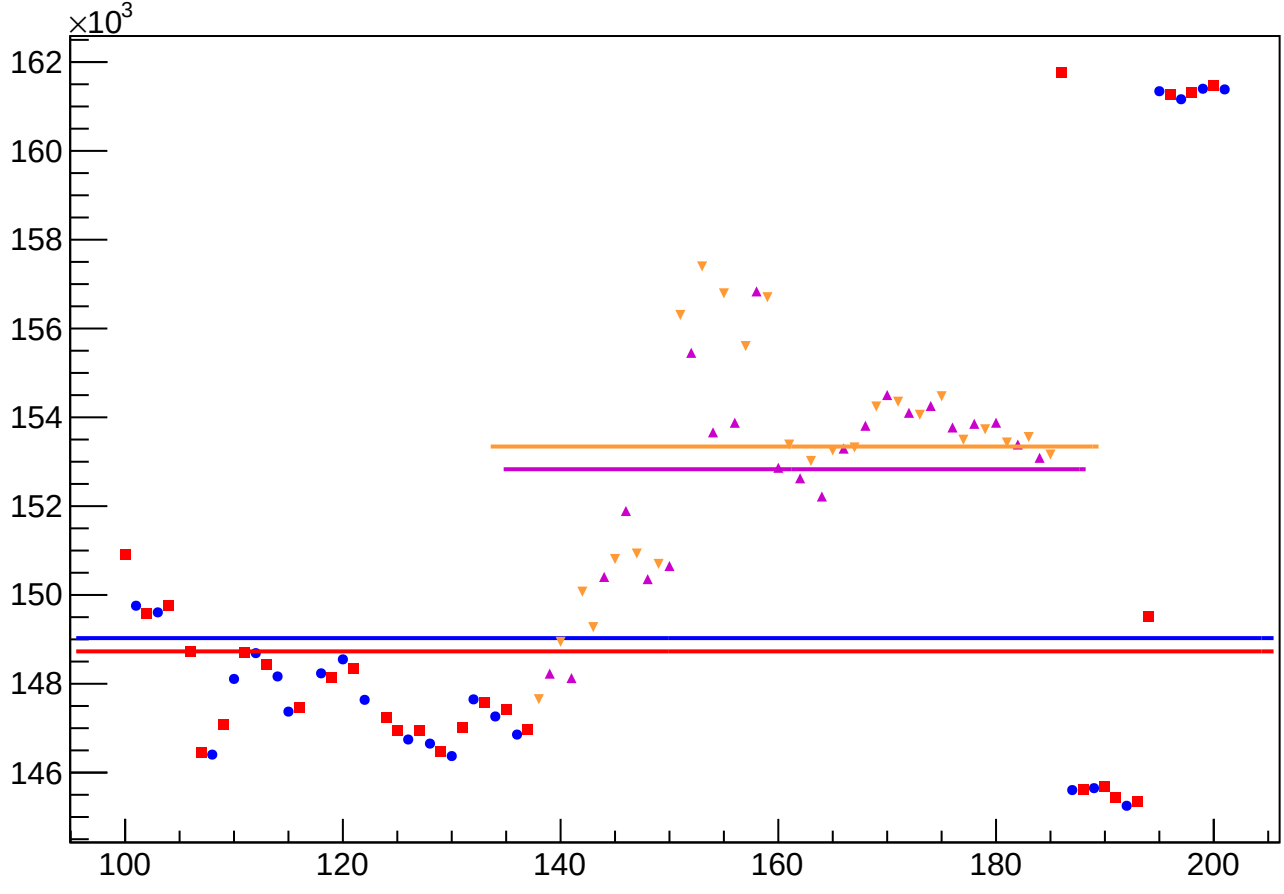
Right: 146.732+/-0.023 χ^2/NDF: 9874541.1/50

In: 177.920+/-0.024 χ^2/NDF:7342554.9/45

Out: 173.815+/-0.023 χ^2/NDF:8771912.8/52

All: 175.759+/-0.017 χ^2/NDF: 16129283.2/98

yield_bpm1i06WS_mean vs Slug, Sign Corrected



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: 148729.333+/-0.052 χ^2/NDF: 5756179660.0/27

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

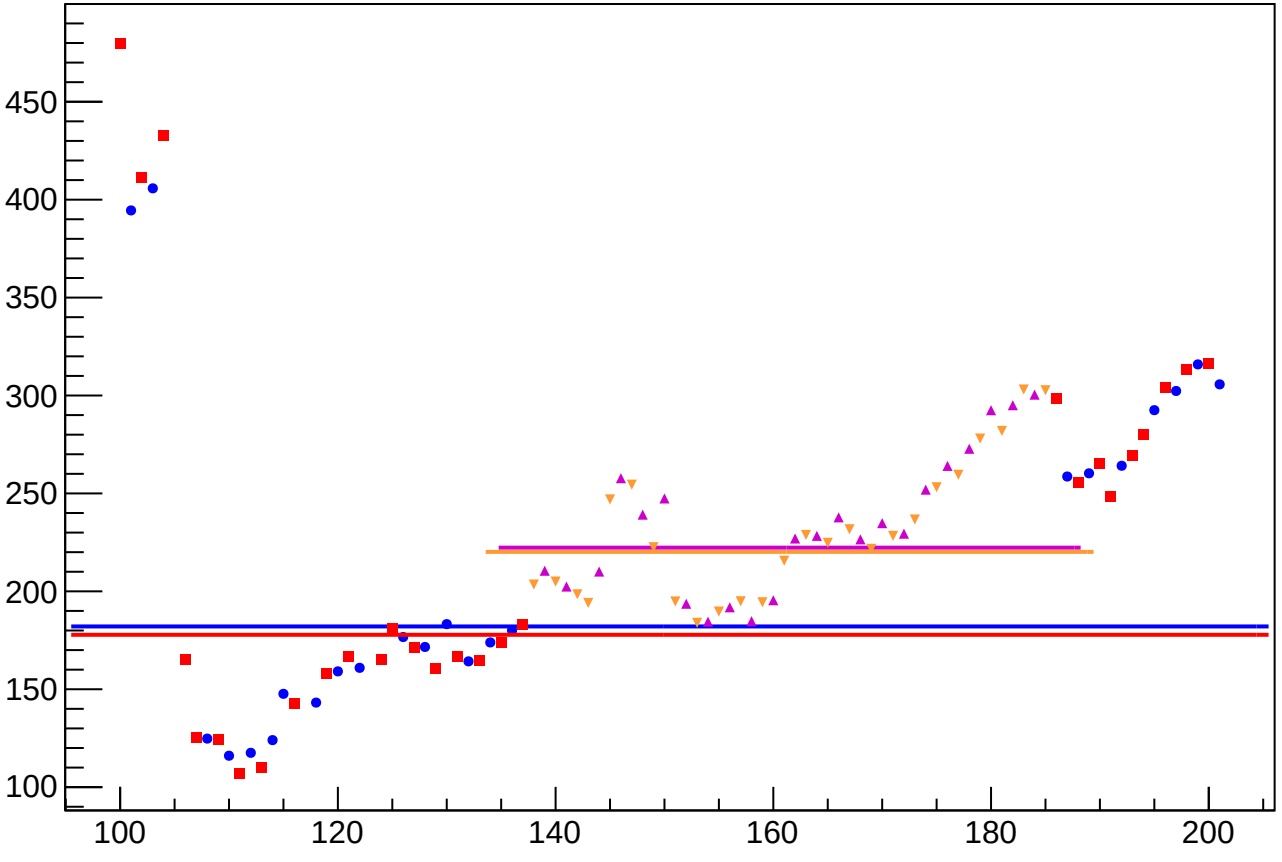
Right: 148868.584+/-0.038 χ^2/NDF: 12376247136.

In: 151045.669+/-0.038 χ^2/NDF:10955411746.3/4

Out: 151107.922+/-0.036 χ^2/NDF:12729302184.7

All: 151078.437+/-0.026 χ^2/NDF: 23686093

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: 177.810+/-0.037 χ^2/NDF: 3669100.6/27

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

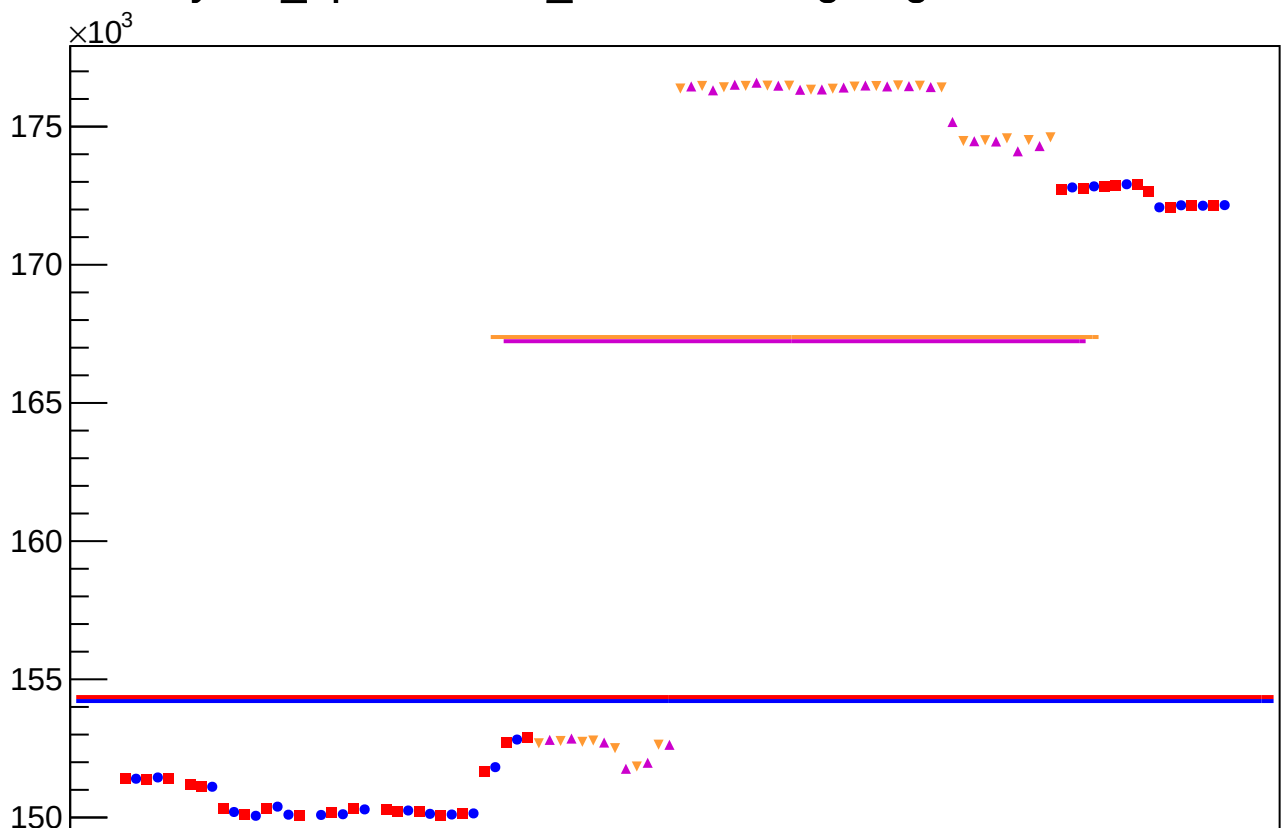
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 179.796+/-0.027 χ^2/NDF: 6675420.8/50

In: 203.414+/-0.027 χ^2/NDF:4242984.6/45

Out: 199.644+/-0.026 χ^2/NDF:5027852.1/52

All: 201.429+/-0.019 χ^2/NDF: 9280955.0/98



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: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

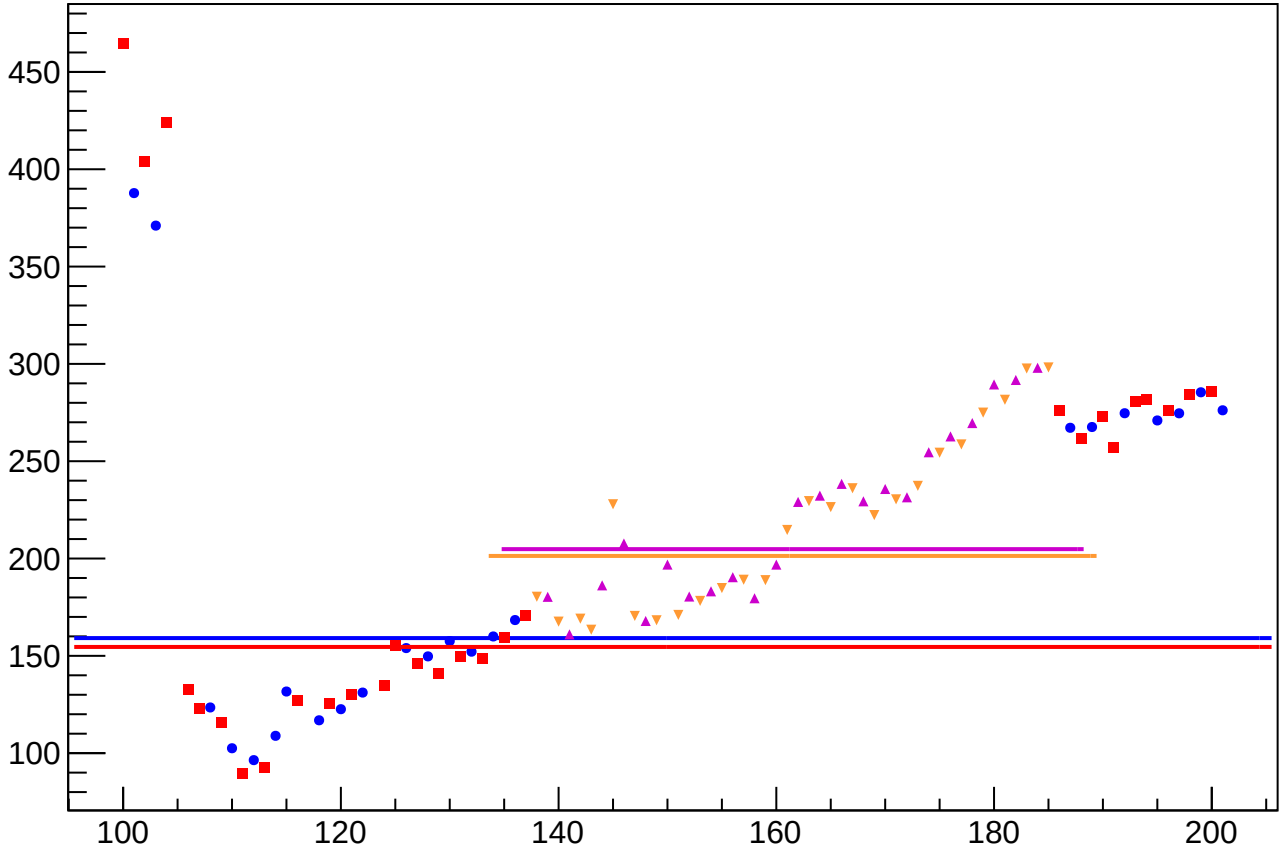
Right: 154290.904+/-0.034 χ^2/NDF: 59184832743.5

In: 160851.783+/-0.035 χ^2/NDF:116802651096.5

Out: 160820.283+/-0.033 χ^2/NDF:131038574115.

All: 160835.114+/-0.024 χ^2/NDF: 24784165

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: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

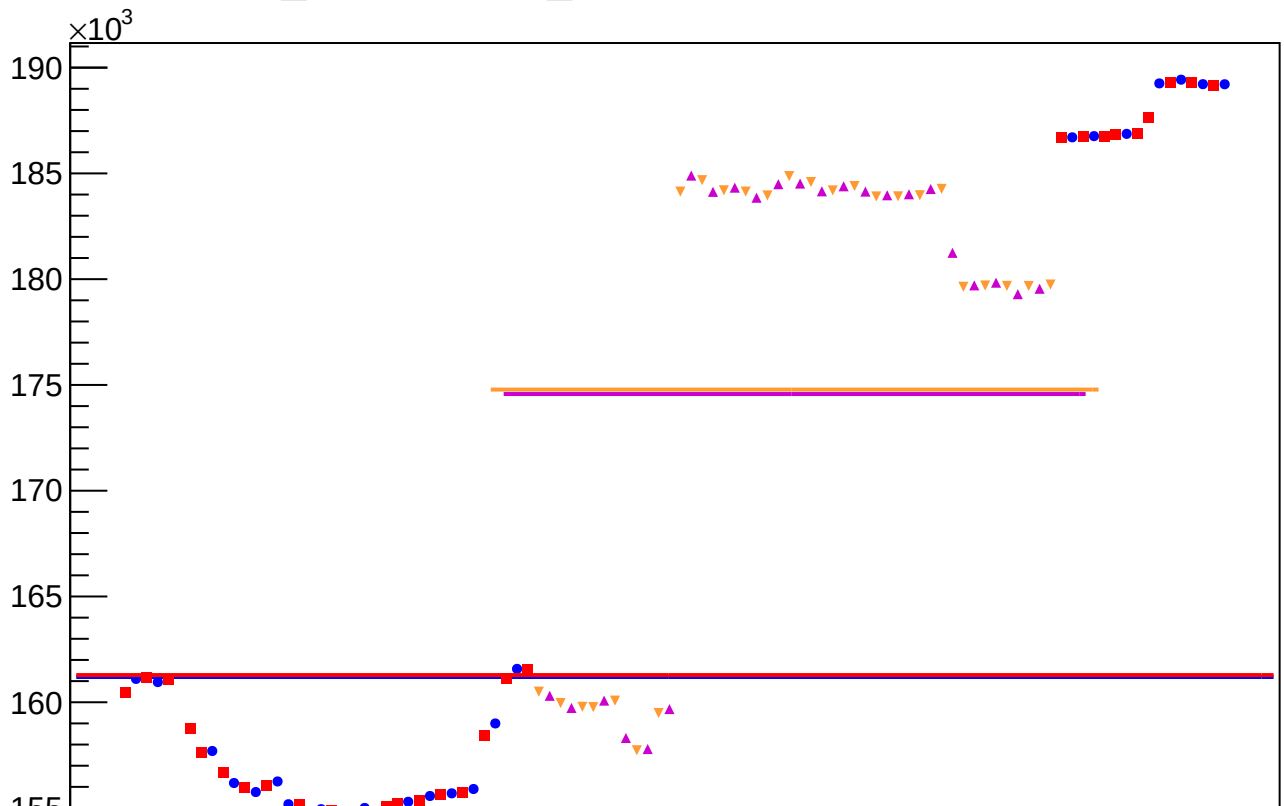
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 156.682+/-0.024 χ^2/NDF: 8101987.6/50

In: 182.424+/-0.025 χ^2/NDF:5496270.4/45

Out: 177.764+/-0.023 χ^2/NDF:6746975.0/52

All: 179.958+/-0.017 χ^2/NDF: 12262117.6/98



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: 161285.718+/-0.049 χ^2/NDF: 54893868807.1/27

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

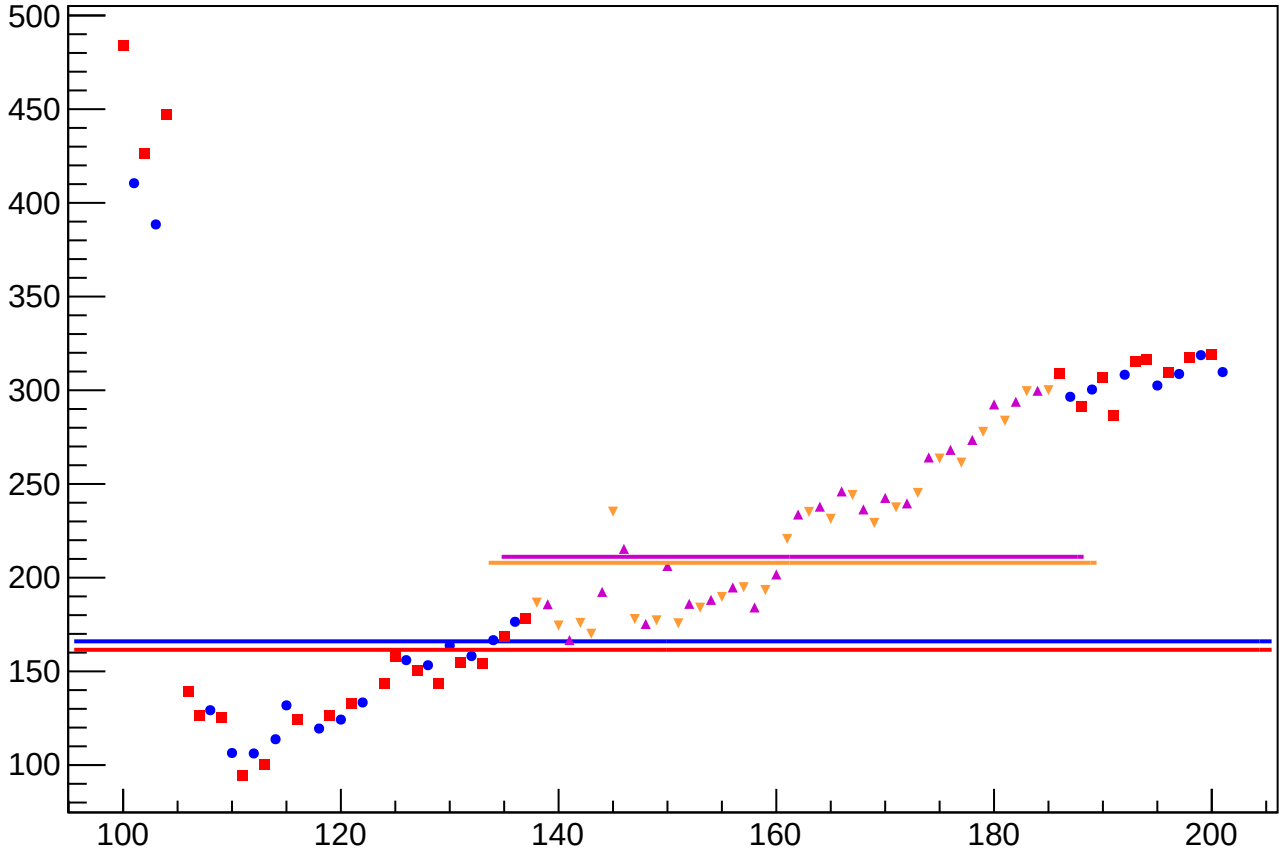
Right: 161243.174+/-0.036 χ^2/NDF: 10296218678

In: 168157.970+/-0.036 χ^2/NDF:136675532248.6

Out: 168126.403+/-0.034 χ^2/NDF:151669542185.

All: 168141.294+/-0.025 χ^2/NDF: 28834547

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: 161.509+/-0.035 χ^2/NDF: 4898244.5/27

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

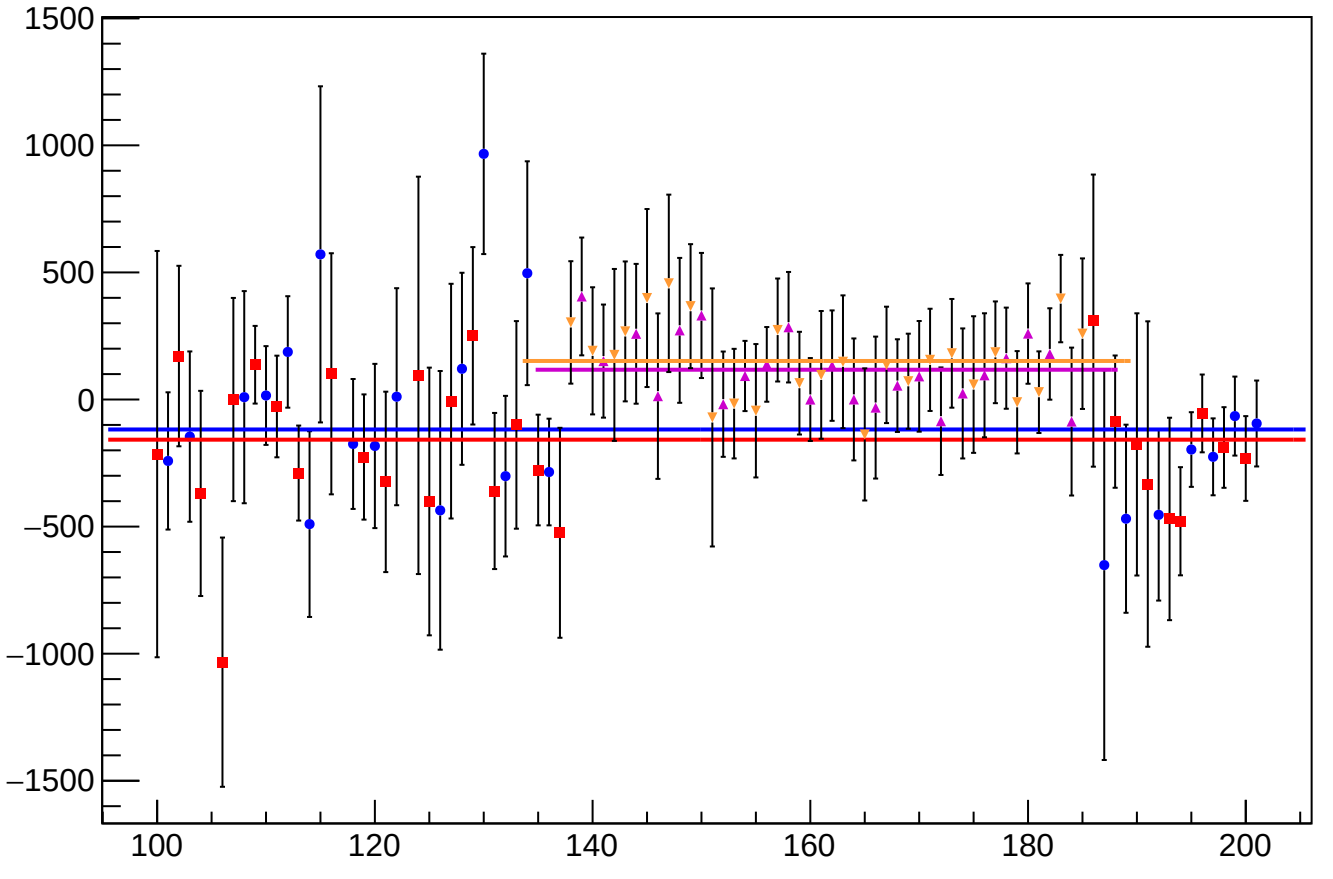
Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

Right: 163.610+/-0.025 χ^2/NDF: 8835436.4/50

In: 189.512+/-0.026 χ^2/NDF:5692770.7/45

Out: 185.045+/-0.024 χ^2/NDF:6945260.3/52

All: 187.152+/-0.018 χ^2/NDF: 12654011.8/98



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: -158.034+/-51.037 χ^2/NDF: 17.4/27

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

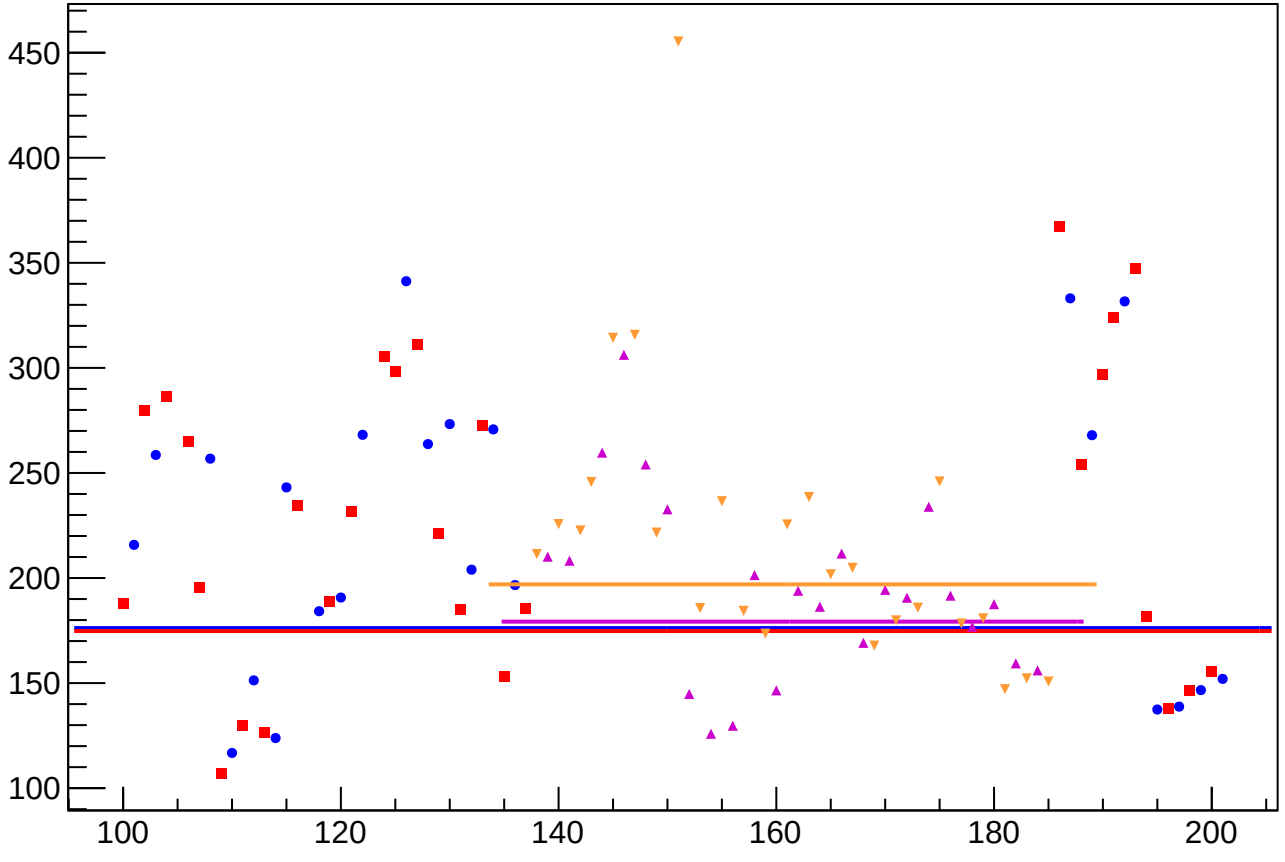
Right: -138.748+/-36.795 χ^2/NDF: 37.3/50

In: 22.044+/-33.777 χ^2/NDF:38.7/45

Out: 11.421+/-34.340 χ^2/NDF:47.2/52

All: 16.820+/-24.081 χ^2/NDF: 85.9/98

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: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

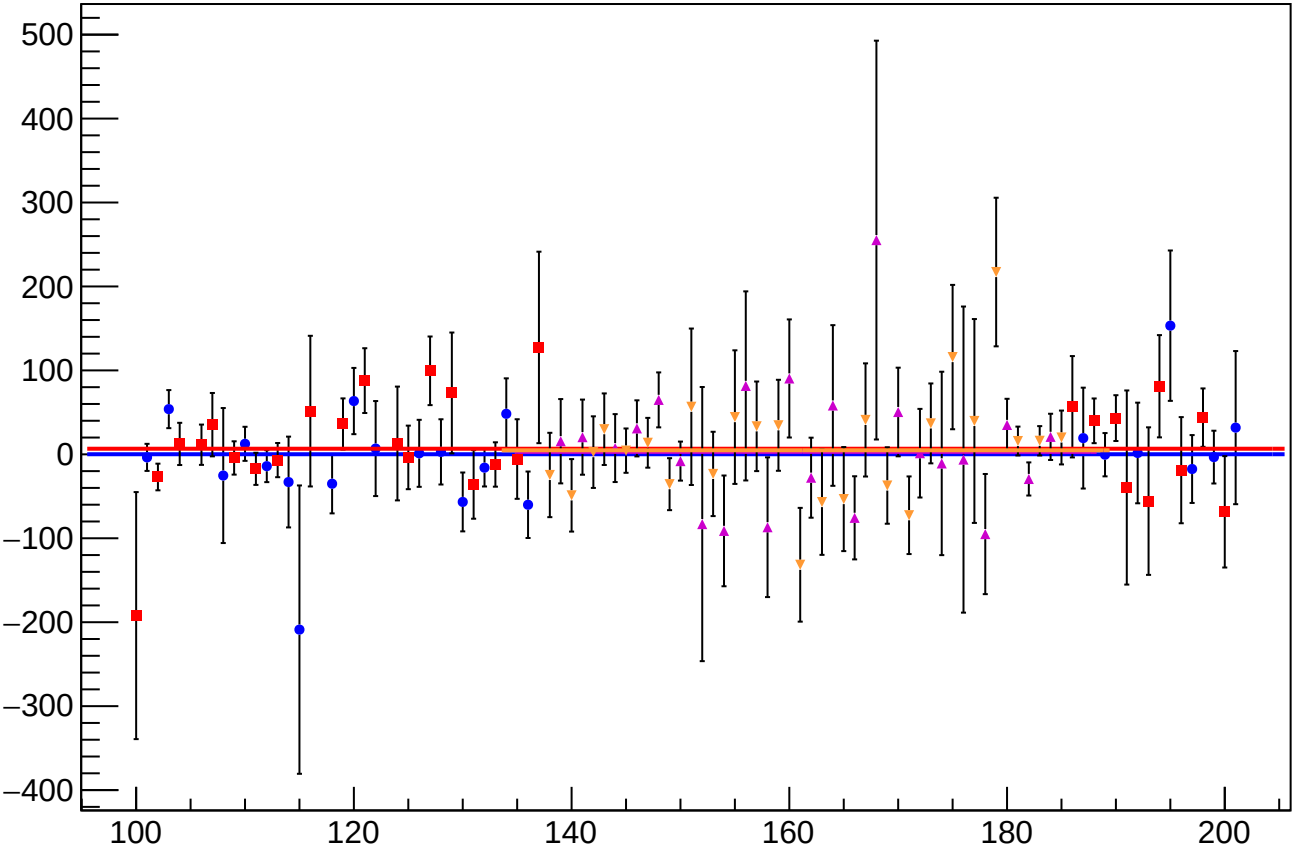
Right: 175.458+/-0.026 χ^2/NDF: 5003393.7/50

In: 178.012+/-0.024 χ^2/NDF:3814878.5/45

Out: 186.932+/-0.024 χ^2/NDF:4863941.8/52

All: 182.398+/-0.017 χ^2/NDF: 8747407.4/98

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: 6.676+/-6.126 χ^2/NDF: 32.5/27

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

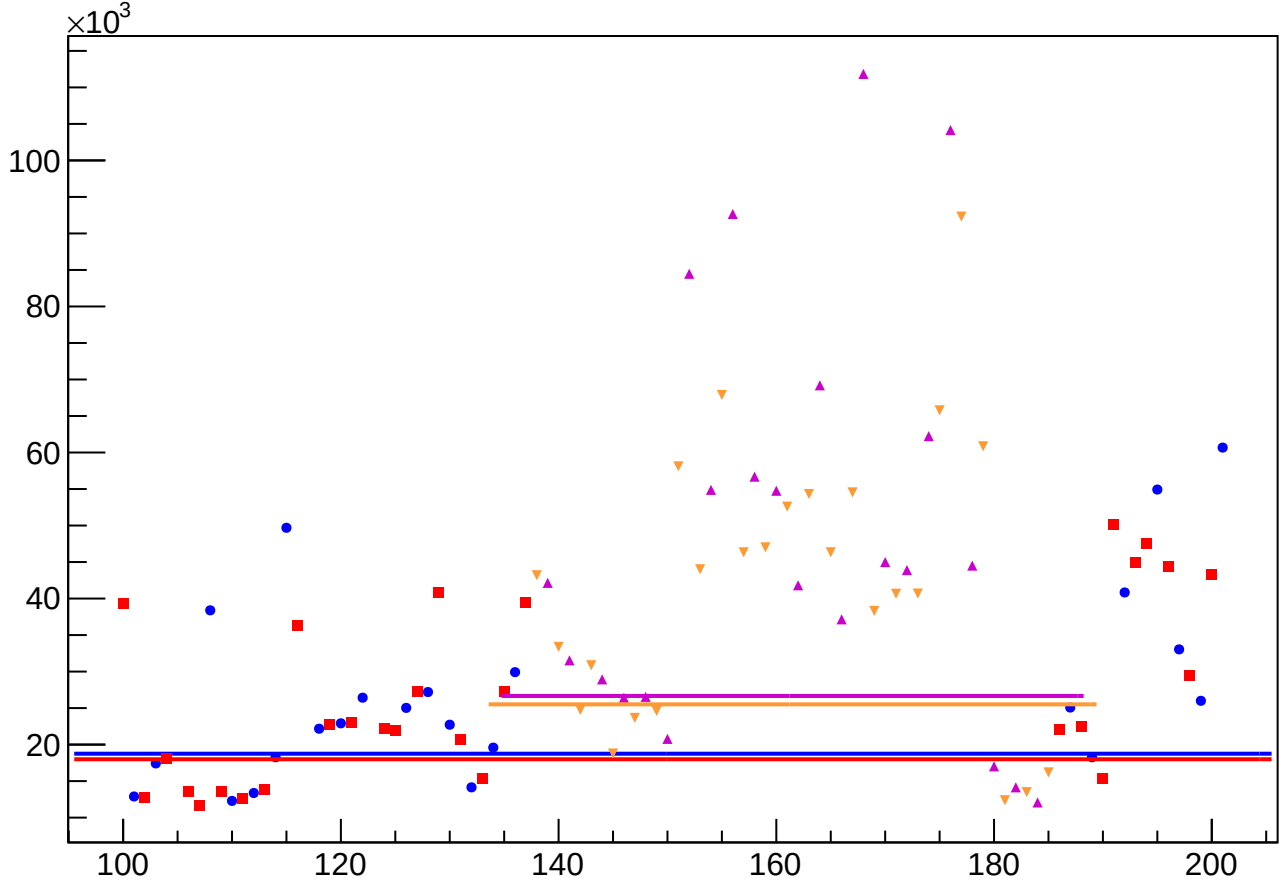
Right: 3.671+/-4.512 χ^2/NDF: 55.3/50

In: 1.128+/-5.324 χ^2/NDF:43.8/45

Out: 5.939+/-4.770 χ^2/NDF:56.9/52

All: 3.797+/-3.553 χ^2/NDF: 101.2/98

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 18752.653+/-4.715 χ^2/NDF: 2708566.6/22

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17992.783+/-4.332 χ^2/NDF: 3150814.1/27

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

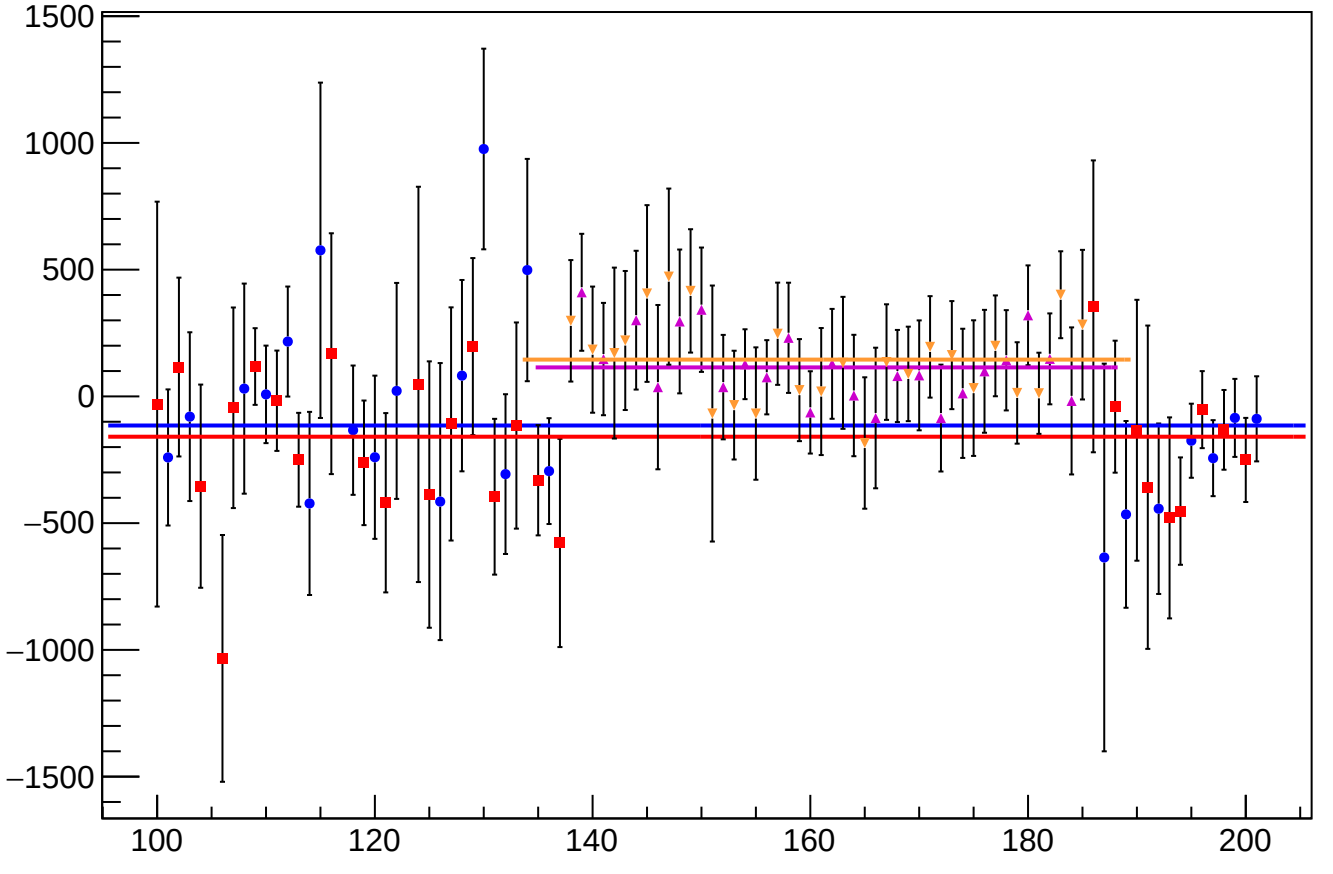
Right: 18340.585+/-3.190 χ^2/NDF: 5873463.3/50

In: 21620.625+/-3.764 χ^2/NDF:9611830.3/45

Out: 20954.147+/-3.373 χ^2/NDF:12080028.8/52

All: 21250.933+/-2.512 χ^2/NDF: 21709246.3

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: -159.028+/-50.737 χ^2/NDF: 17.6/27

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

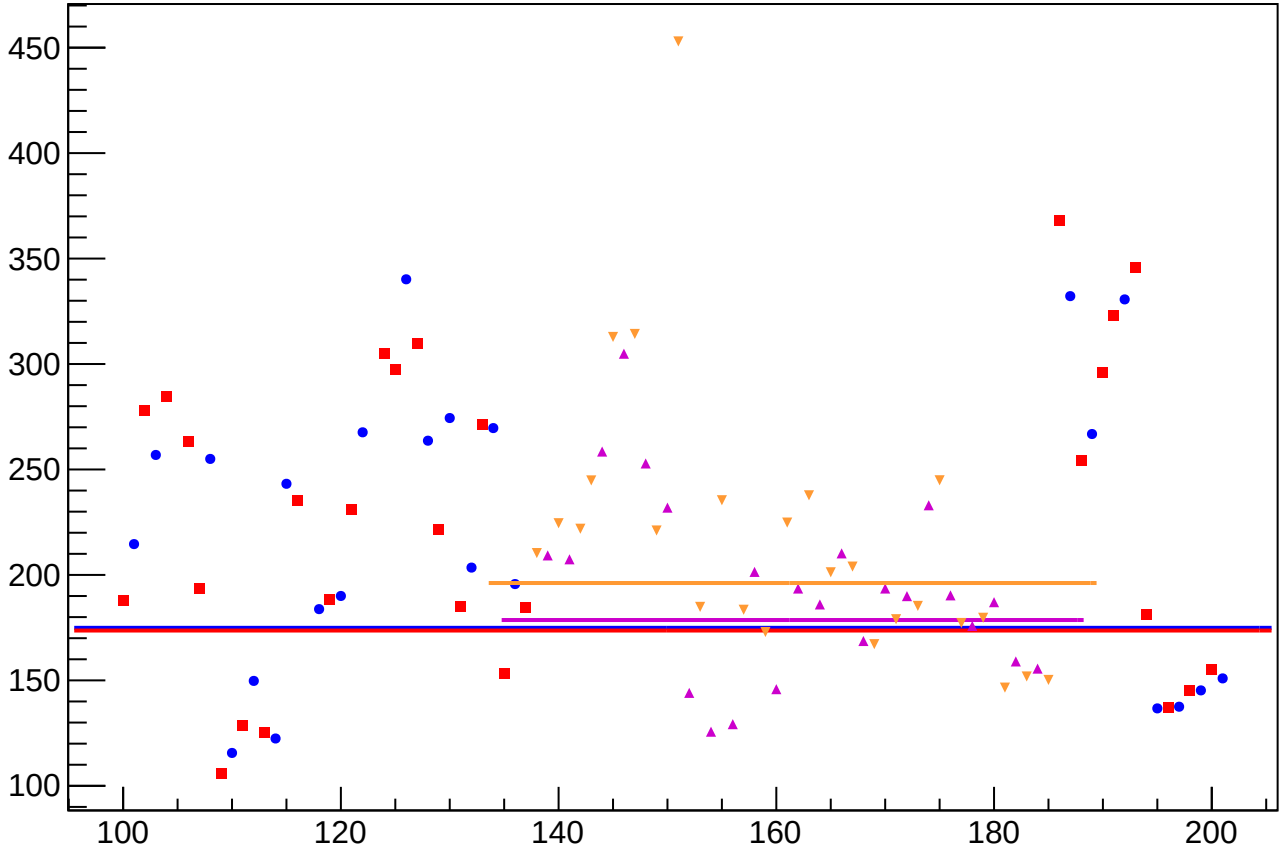
Right: -137.781+/-36.568 χ^2/NDF: 37.6/50

In: 21.317+/-33.615 χ^2/NDF:39.3/45

Out: 7.196+/-34.170 χ^2/NDF:48.4/52

All: 14.372+/-23.963 χ^2/NDF: 87.8/98

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: 173.637+/-0.036 χ^2/NDF: 2884576.8/27

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

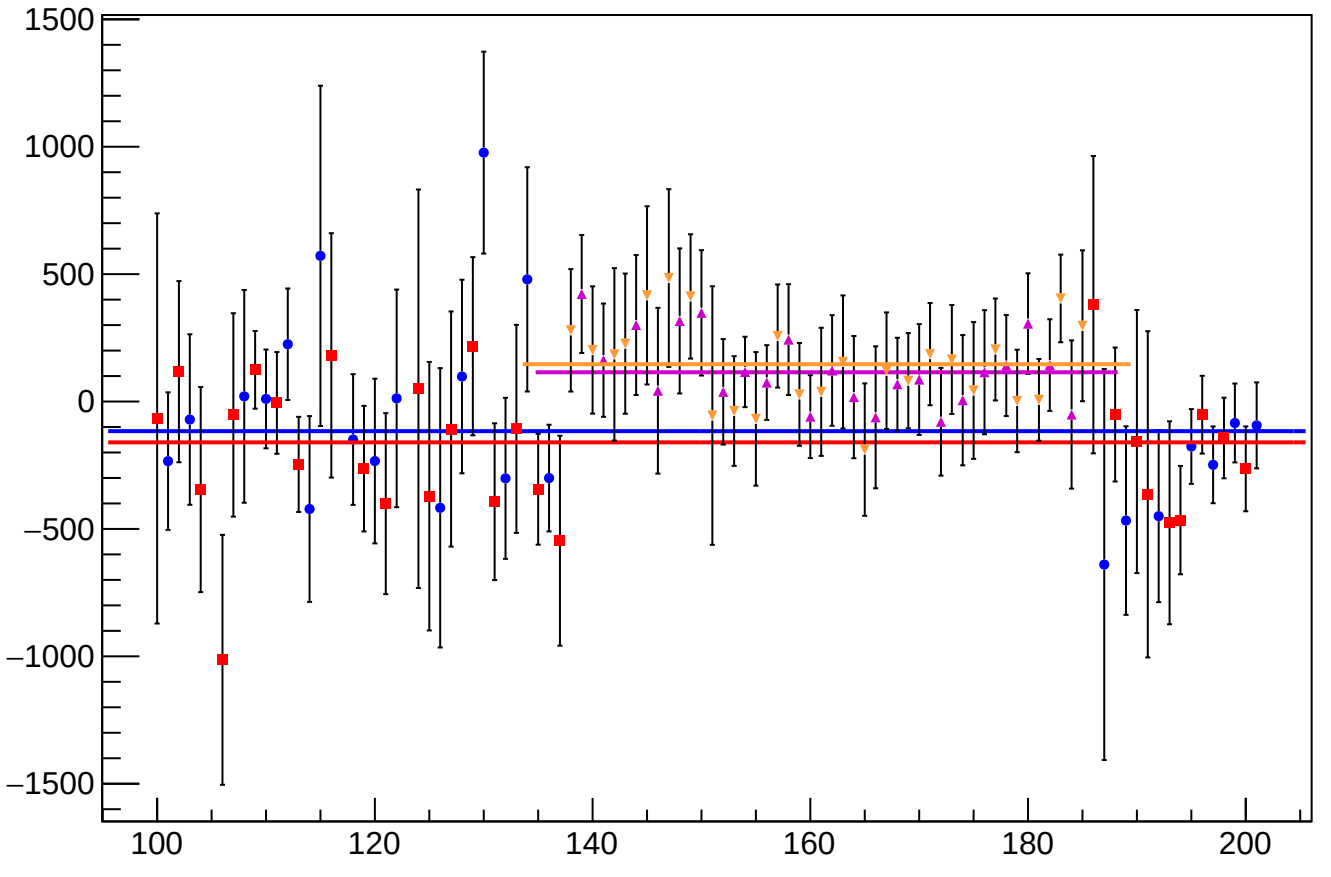
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 174.252+/-0.026 χ^2/NDF: 5070413.0/50

In: 177.117+/-0.024 χ^2/NDF:3842950.0/45

Out: 185.947+/-0.024 χ^2/NDF:4906918.3/52

All: 181.460+/-0.017 χ^2/NDF: 8817740.6/98



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: -160.199+/-51.005 χ^2/NDF: 17.7/27

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

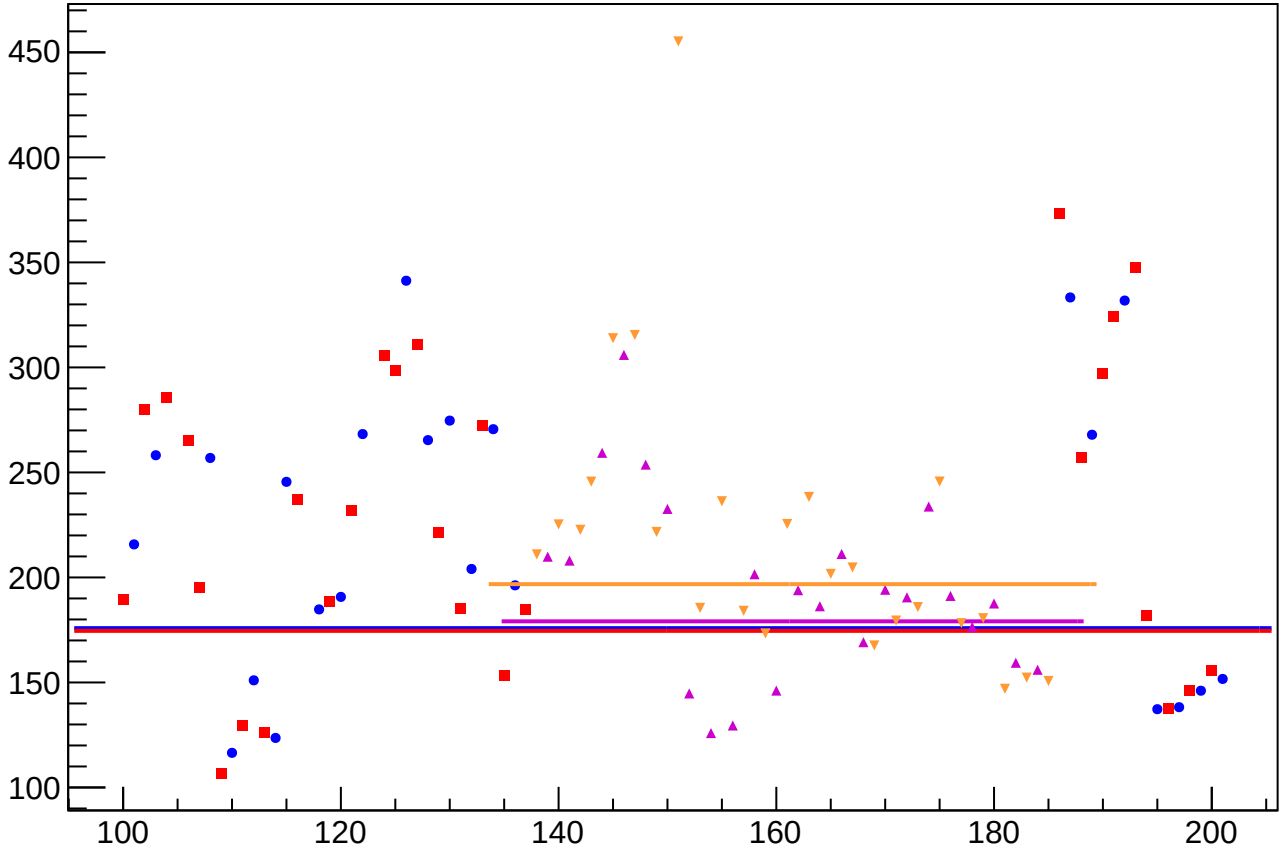
Right: -139.077+/-36.758 χ^2/NDF: 37.8/50

In: 21.238+/-33.741 χ^2/NDF:39.4/45

Out: 7.643+/-34.314 χ^2/NDF:48.9/52

All: 14.555+/-24.059 χ^2/NDF: 88.4/98

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: 174.565+/-0.036 χ^2/NDF: 2880594.0/27

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

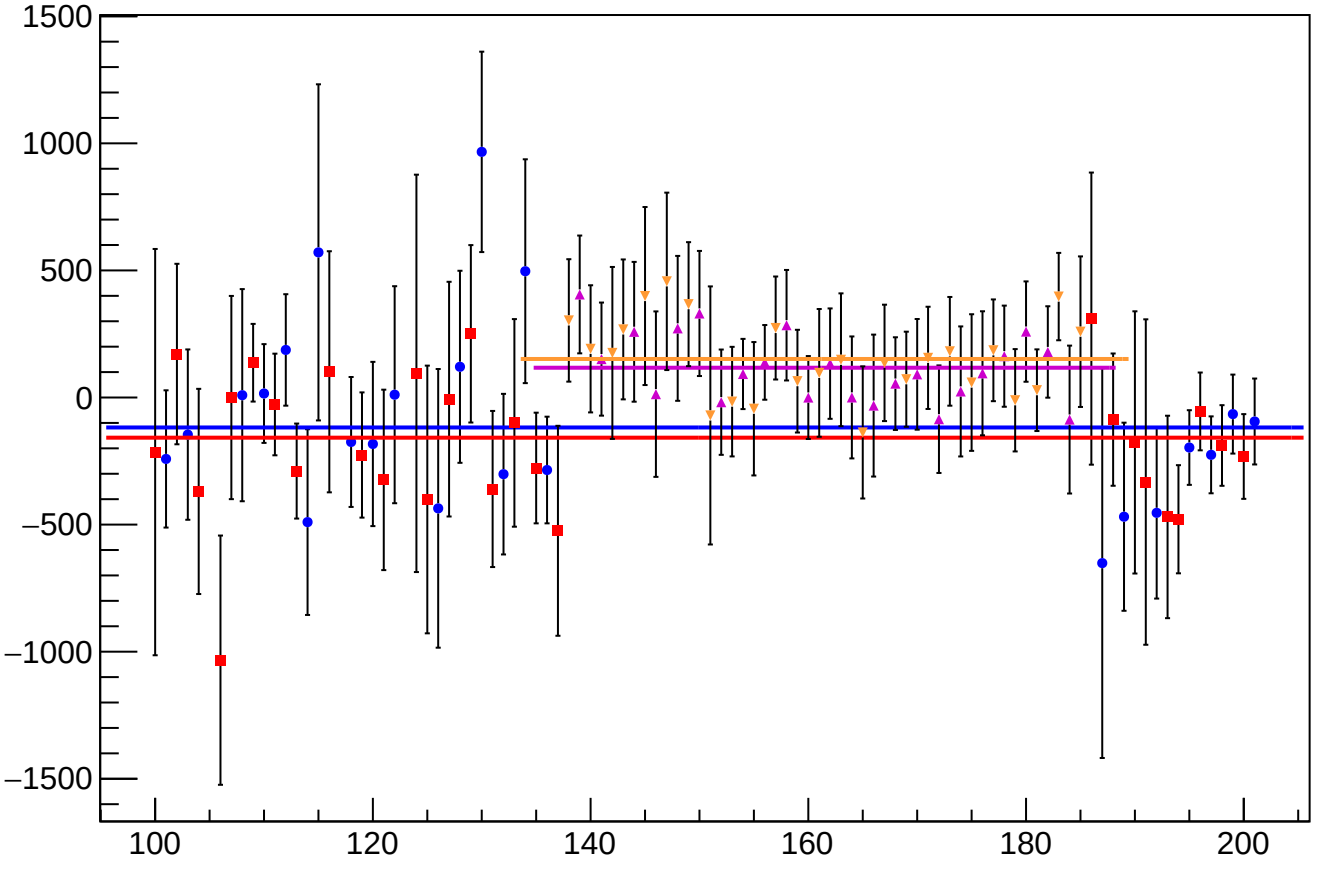
Right: 175.186+/-0.026 χ^2/NDF: 5056528.8/50

In: 177.787+/-0.024 χ^2/NDF:3835643.3/45

Out: 186.740+/-0.024 χ^2/NDF:4897352.0/52

All: 182.188+/-0.017 χ^2/NDF: 8802214.9/98

asym_bcm_an_us_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: -158.034+/-51.037 χ^2/NDF: 17.4/27

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

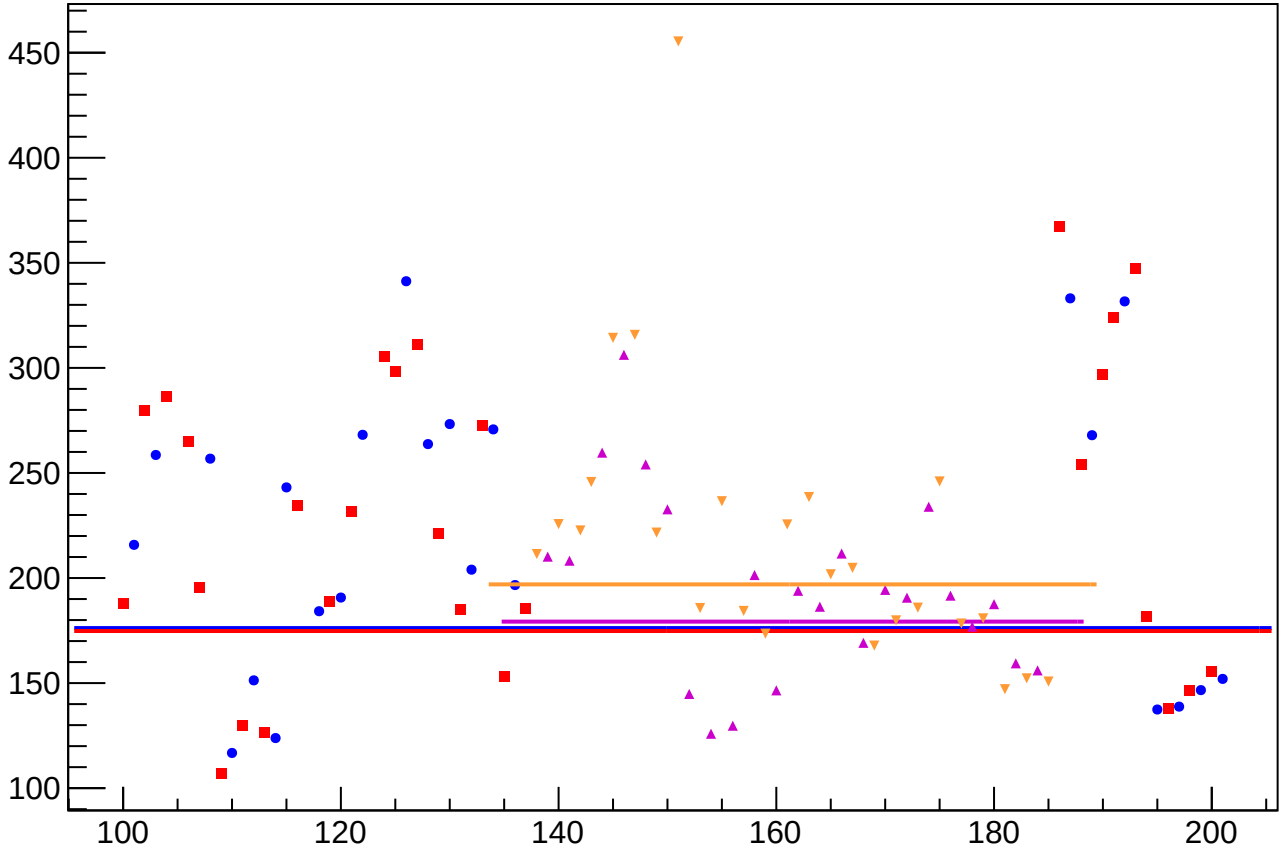
Right: -138.748+/-36.795 χ^2/NDF: 37.3/50

In: 22.044+/-33.777 χ^2/NDF:38.7/45

Out: 11.421+/-34.340 χ^2/NDF:47.2/52

All: 16.820+/-24.081 χ^2/NDF: 85.9/98

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: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

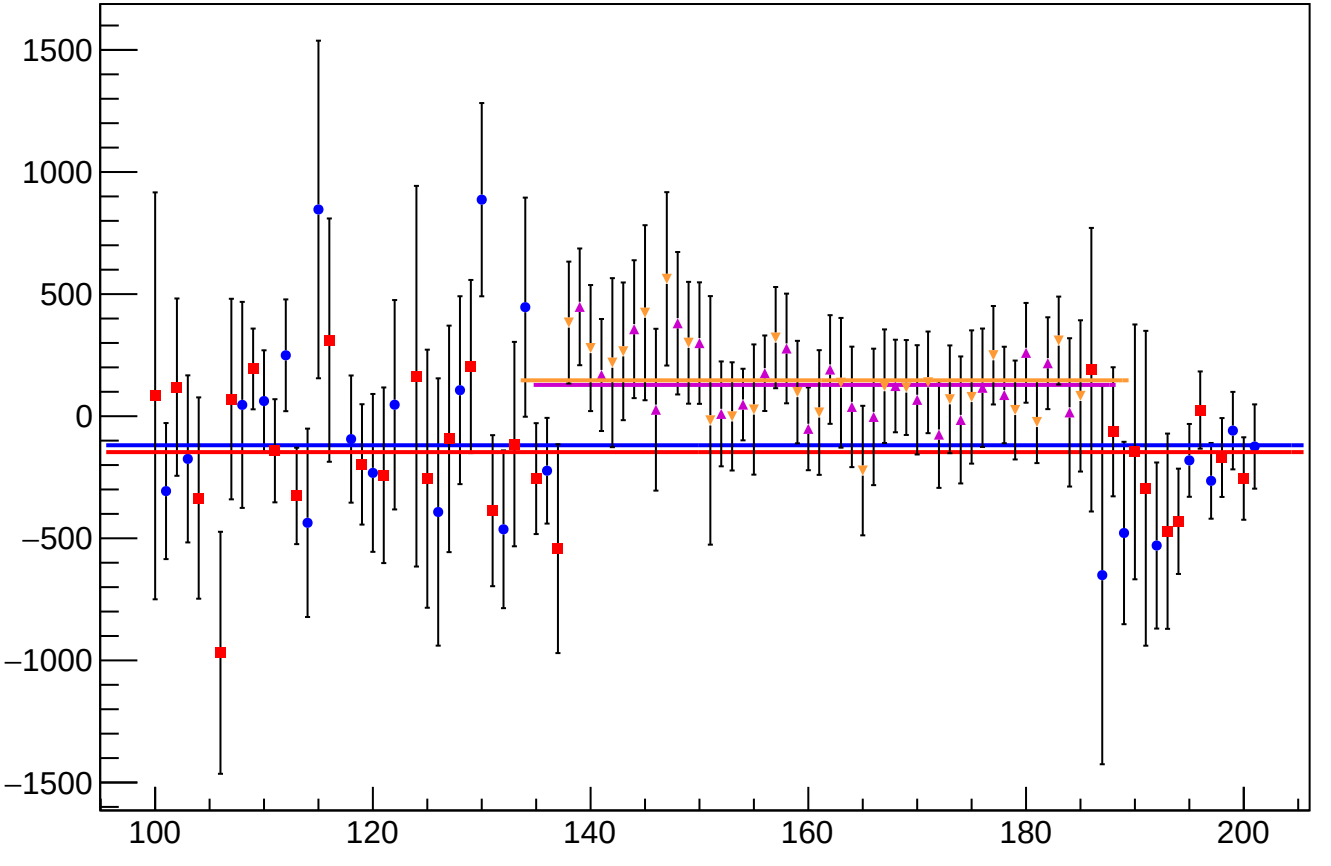
Right: 175.458+/-0.026 χ^2/NDF: 5003393.7/50

In: 178.012+/-0.024 χ^2/NDF:3814878.5/45

Out: 186.932+/-0.024 χ^2/NDF:4863941.8/52

All: 182.398+/-0.017 χ^2/NDF: 8747407.4/98

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: -147.027+/-52.616 χ^2/NDF: 17.3/27

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

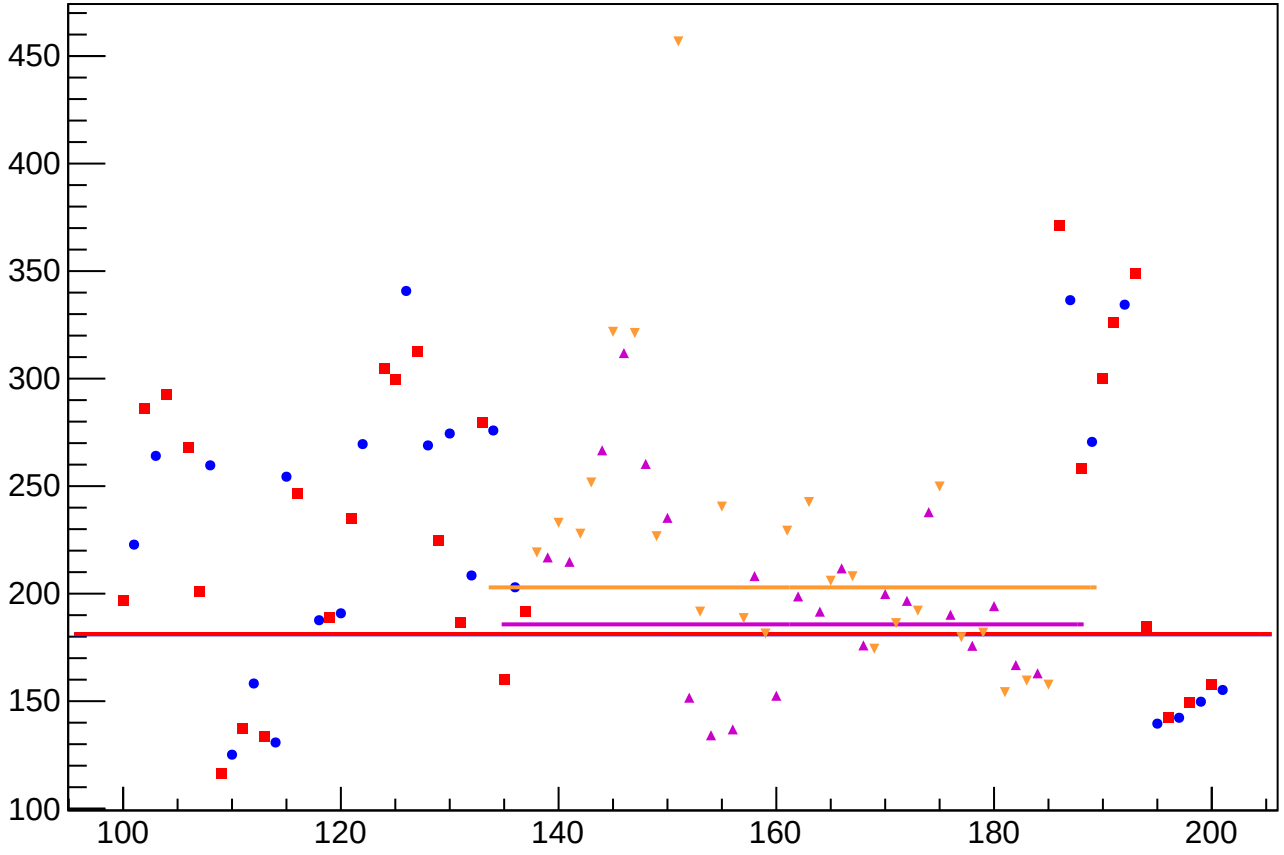
Right: -133.450+/-37.829 χ^2/NDF: 38.4/50

In: 27.308+/-34.773 χ^2/NDF:41.7/45

Out: 14.319+/-35.343 χ^2/NDF:44.6/52

All: 20.919+/-24.787 χ^2/NDF: 86.4/98

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: 181.243+/-0.037 χ^2/NDF: 2619072.3/27

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

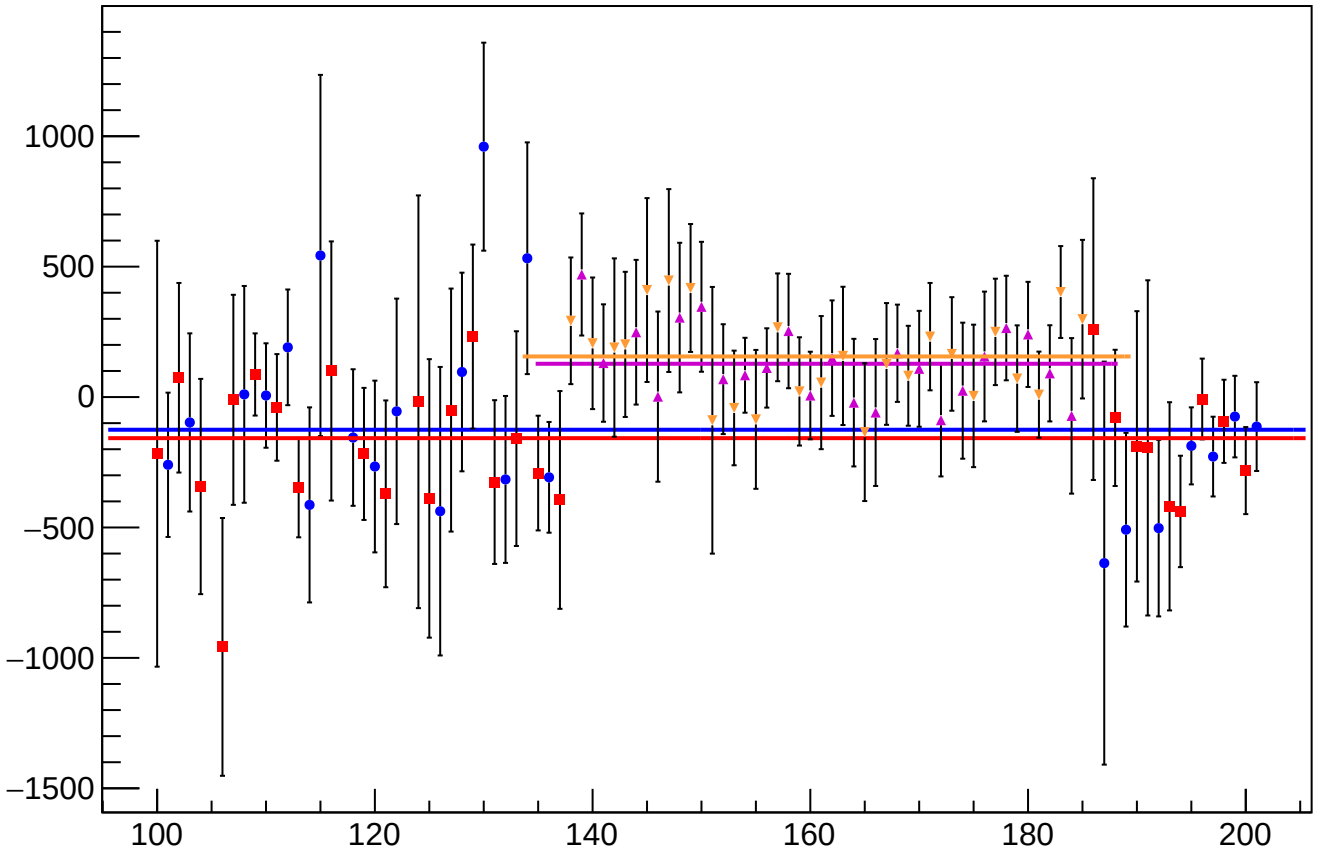
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 181.165+/-0.027 χ^2/NDF: 4675751.7/50

In: 183.825+/-0.025 χ^2/NDF:3554736.5/45

Out: 193.139+/-0.025 χ^2/NDF:4505493.6/52

All: 188.406+/-0.018 χ^2/NDF: 8130819.0/98



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: -157.589+/-51.736 χ^2/NDF: 14.7/27

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

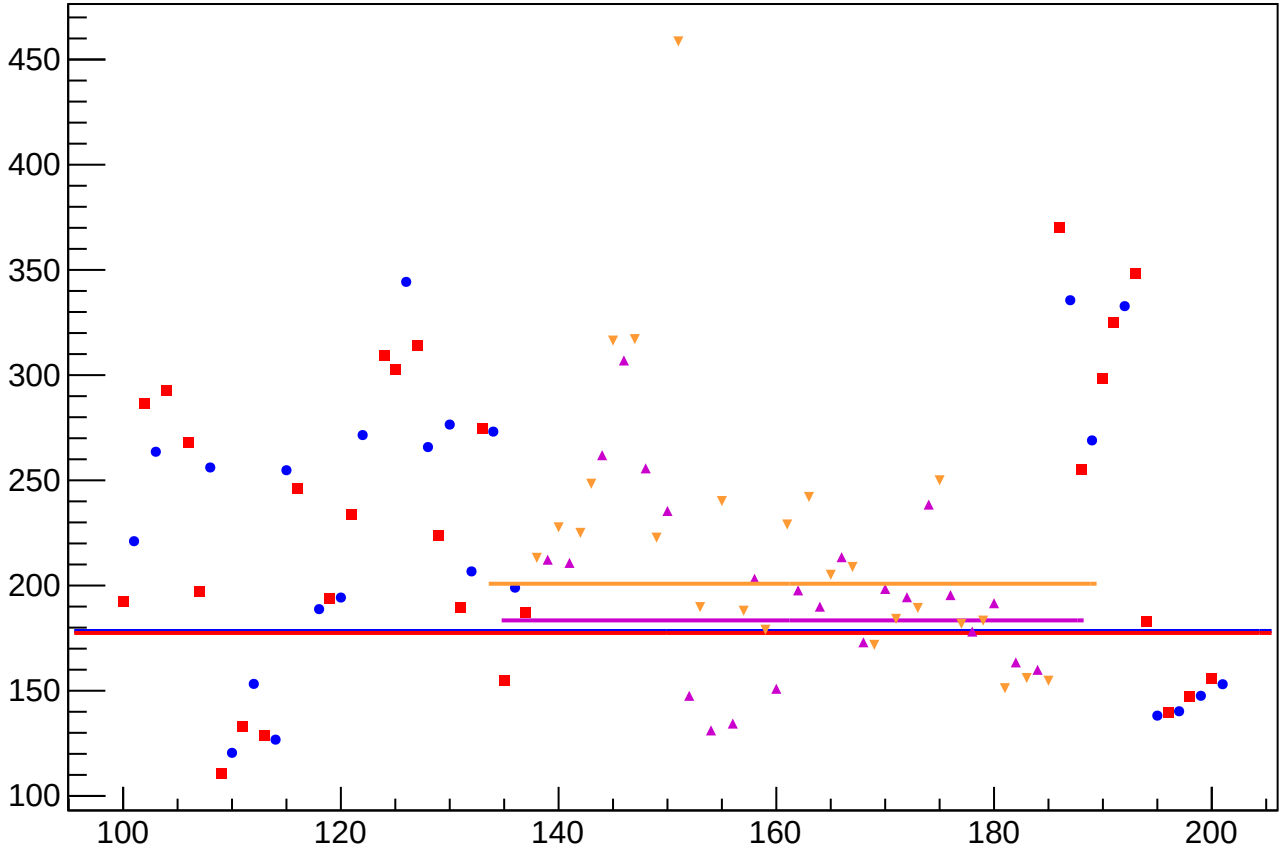
Right: -142.057+/-37.270 χ^2/NDF: 34.3/50

In: 24.215+/-34.364 χ^2/NDF:40.5/45

Out: 13.150+/-34.894 χ^2/NDF:45.3/52

All: 18.767+/-24.484 χ^2/NDF: 85.8/98

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: 177.466+/-0.037 χ^2/NDF: 2800089.5/27

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

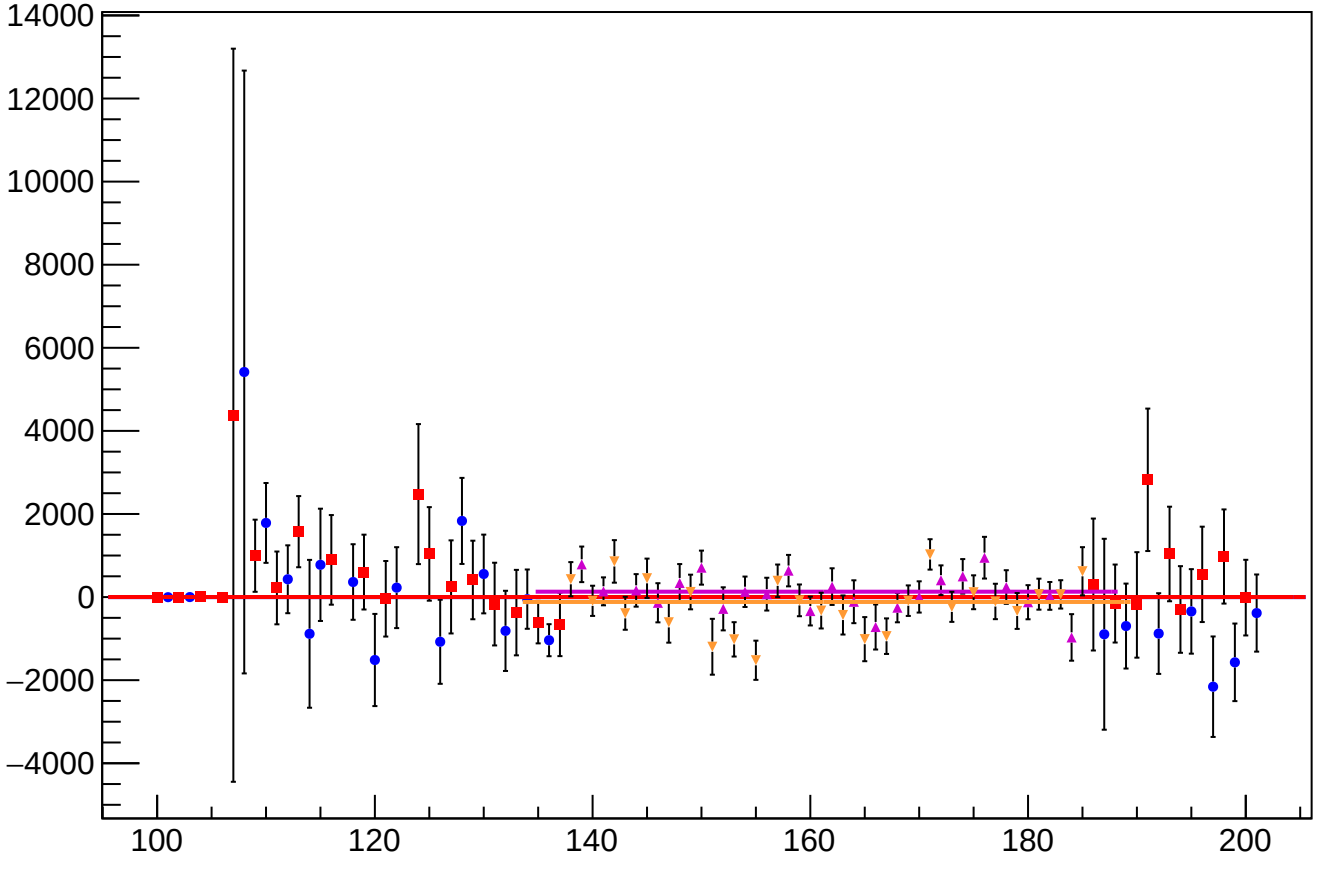
Right: 177.918+/-0.026 χ^2/NDF: 4943183.4/50

In: 181.377+/-0.024 χ^2/NDF:3683802.7/45

Out: 190.220+/-0.025 χ^2/NDF:4750486.4/52

All: 185.731+/-0.017 χ^2/NDF: 8499494.6/98

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: 1.387+/-2.022 χ^2/NDF: 21.5/27

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

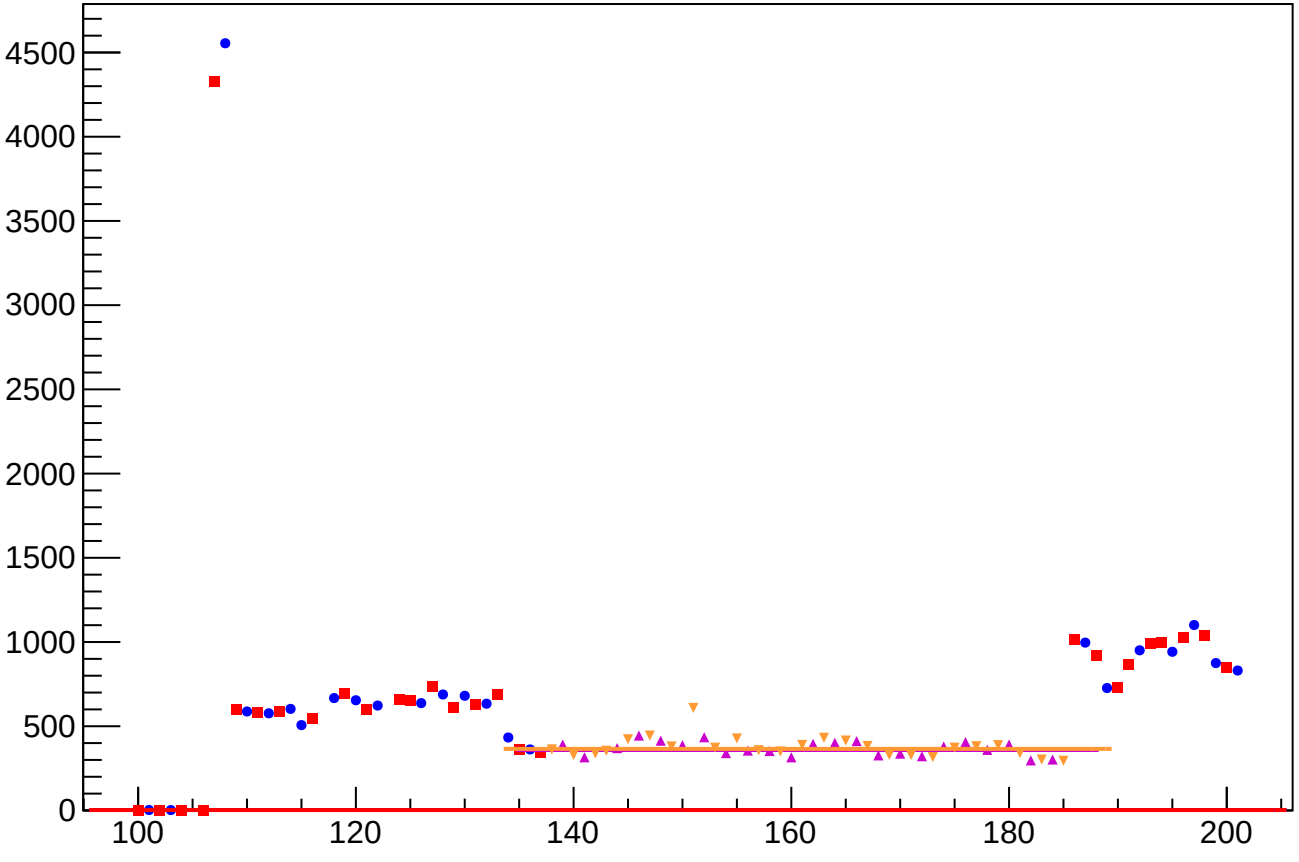
Right: 0.154+/-1.480 χ^2/NDF: 50.0/50

In: -1.181+/-2.170 χ^2/NDF:51.7/45

Out: 1.319+/-2.022 χ^2/NDF:69.9/52

All: 0.157+/-1.479 χ^2/NDF: 122.3/98

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: 2.489+/-0.001 χ^2/NDF: 23732732.9/27

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

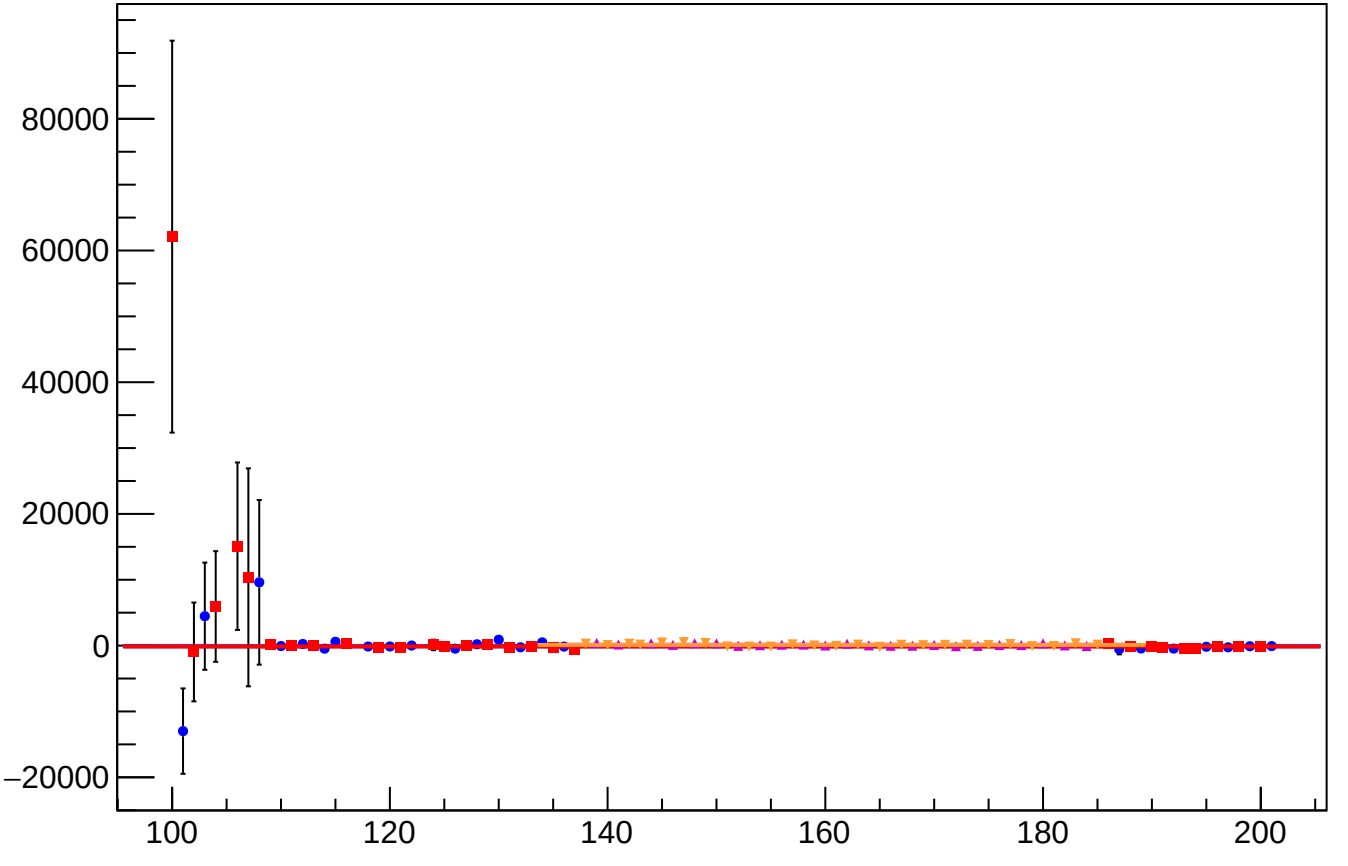
Right: 2.495+/-0.001 χ^2/NDF: 45340975.5/50

In: 2.735+/-0.002 χ^2/NDF:57155316.6/45

Out: 2.698+/-0.001 χ^2/NDF:61568490.6/52

All: 2.715+/-0.001 χ^2/NDF: 118724113.5/98

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: -128.028+/-58.052 χ^2/NDF: 18.2/27

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

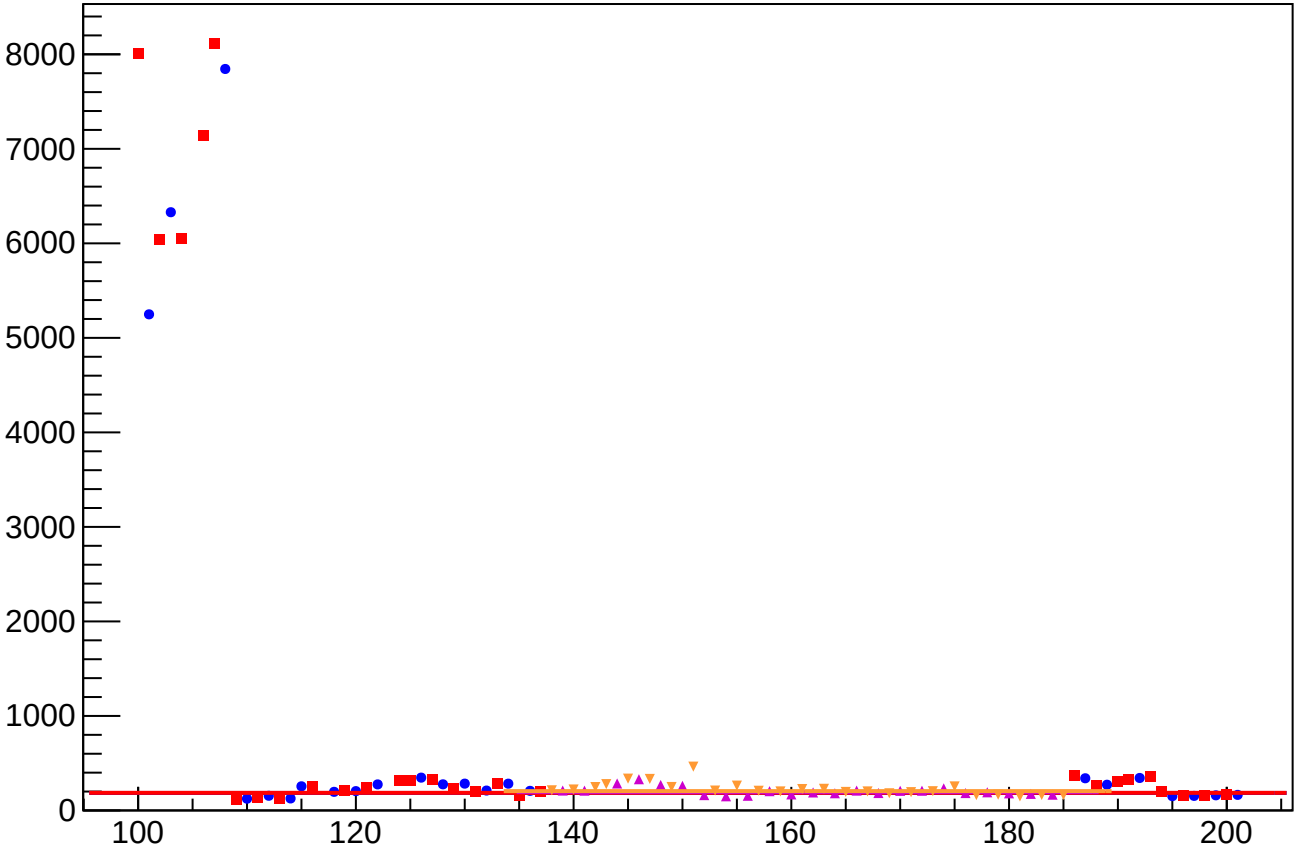
Right: -115.462+/-41.475 χ^2/NDF: 39.7/50

In: 33.859+/-36.807 χ^2/NDF:39.3/45

Out: 6.600+/-37.107 χ^2/NDF:40.0/52

All: 20.340+/-26.132 χ^2/NDF: 79.6/98

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: 186.269+/-0.041 χ^2/NDF: 5487540.8/27

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

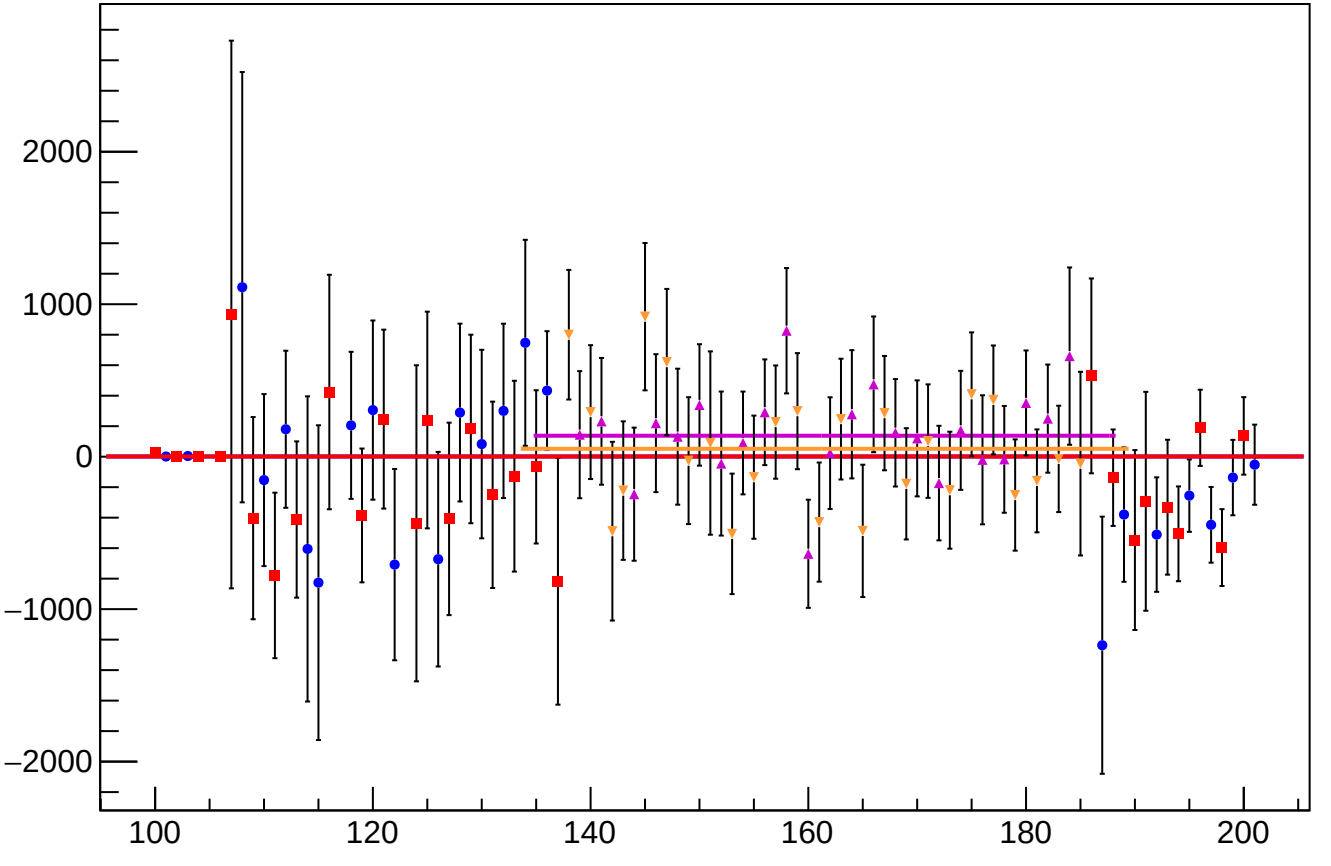
Right: 185.600+/-0.029 χ^2/NDF: 10306013.4/50

In: 190.428+/-0.026 χ^2/NDF:6037801.7/45

Out: 197.100+/-0.026 χ^2/NDF:7580348.9/52

All: 193.737+/-0.018 χ^2/NDF: 13650740.6/98

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: 1.062+/-1.528 χ^2/NDF: 20.8/27

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

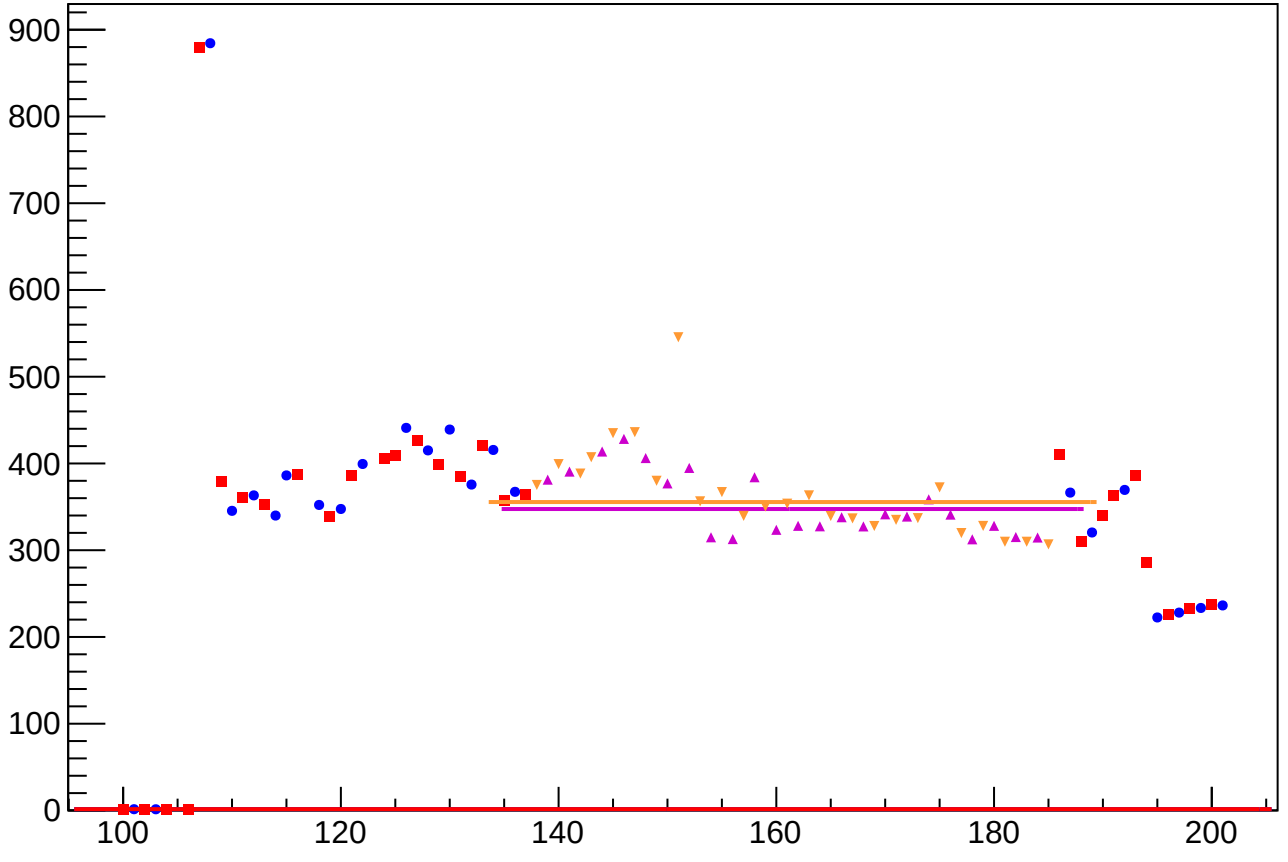
Right: 1.214+/-1.124 χ^2/NDF: 38.2/50

In: 1.450+/-1.660 χ^2/NDF:32.3/45

Out: 1.080+/-1.527 χ^2/NDF:40.6/52

All: 1.250+/-1.124 χ^2/NDF: 73.0/98

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: 1.517+/-0.001 χ^2/NDF: 23368486.8/27

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

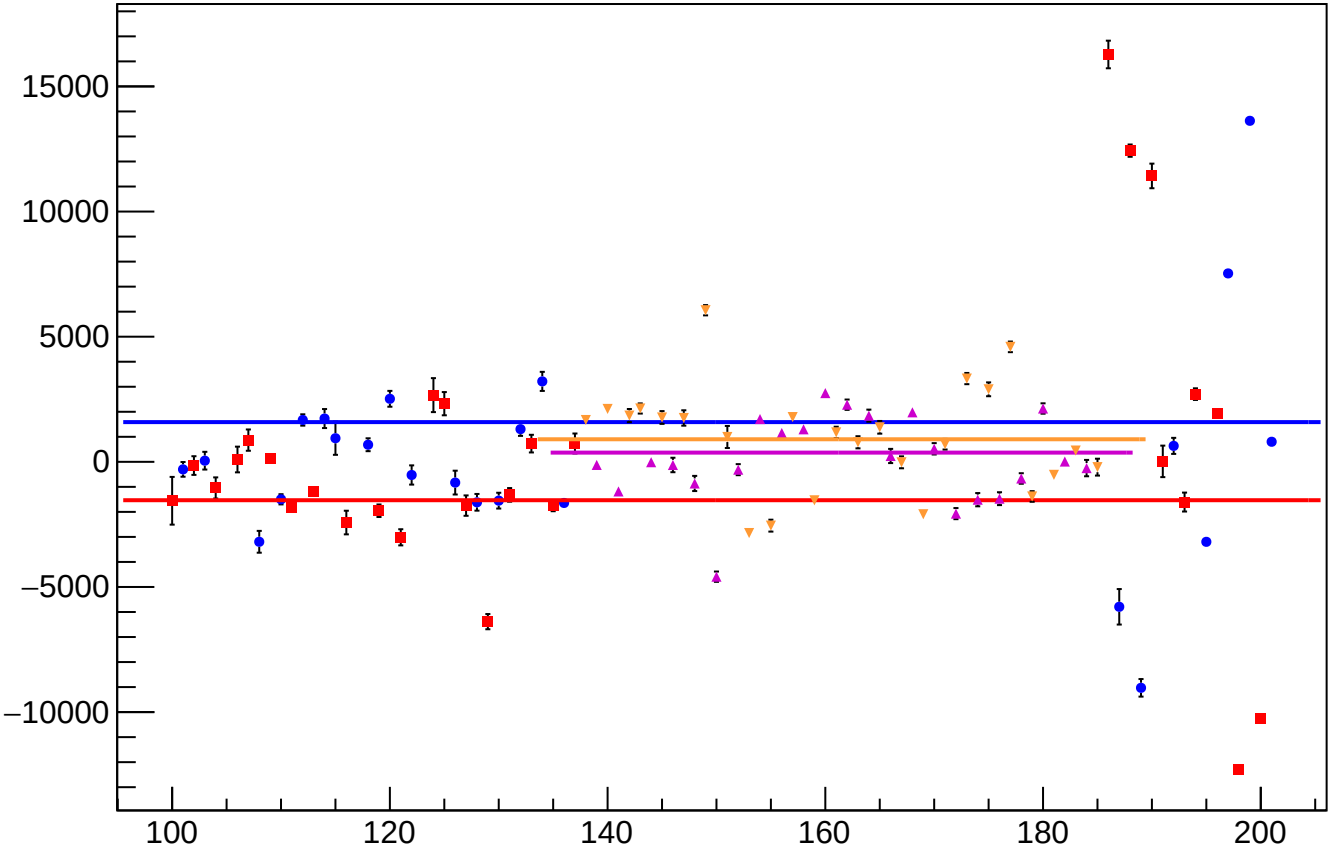
Right: 1.520+/-0.001 χ^2/NDF: 45199502.3/50

In: 1.665+/-0.001 χ^2/NDF:57665220.4/45

Out: 1.642+/-0.001 χ^2/NDF:61570076.4/52

All: 1.653+/-0.001 χ^2/NDF: 119235518.9/98

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: -1533.770+/-53.089 χ^2/NDF: 12267.2/27

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

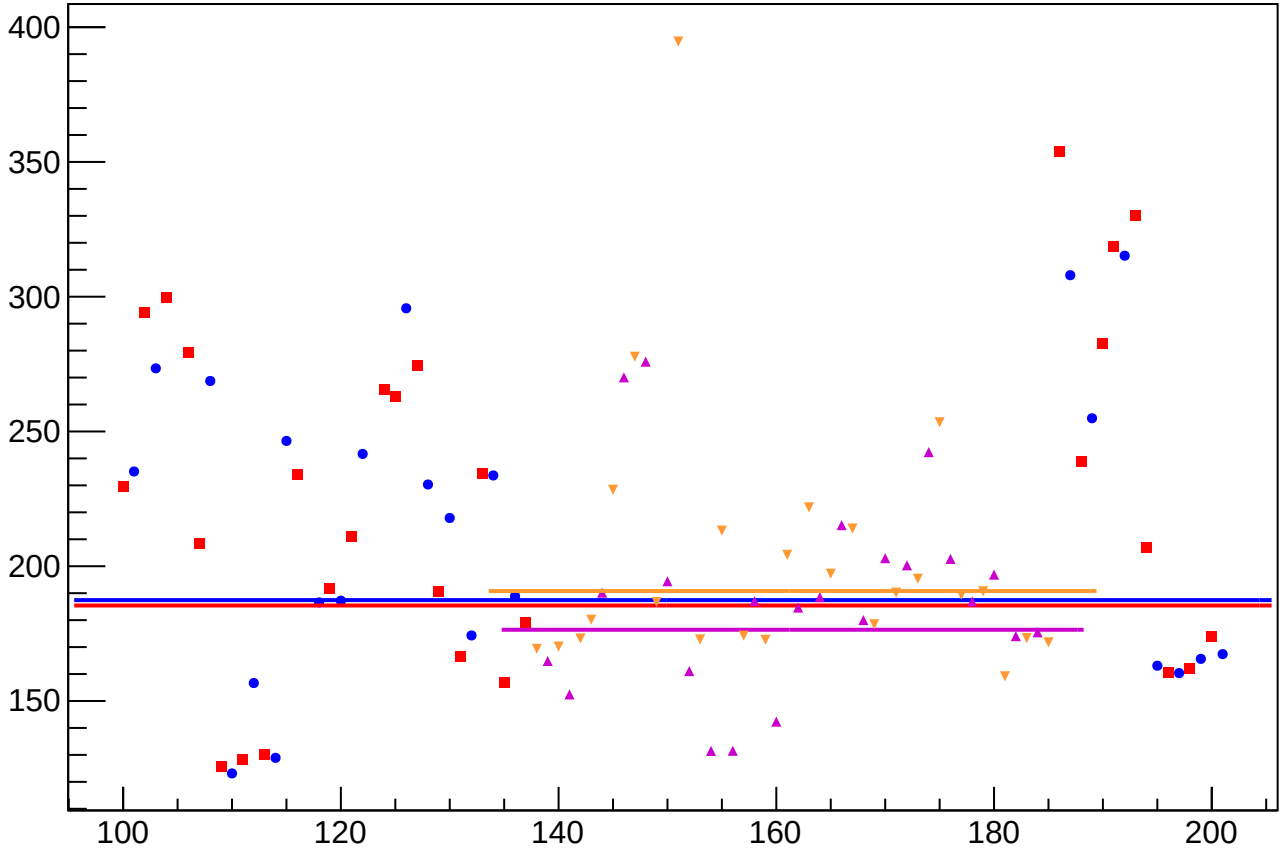
Right: -41.670+/-38.353 χ^2/NDF: 22529.5/50

In: 821.806+/-33.835 χ^2/NDF:10506.3/45

Out: -102.962+/-34.095 χ^2/NDF:15914.4/52

All: 362.960+/-24.017 χ^2/NDF: 26791.4/98

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: 185.431+/-0.038 χ^2/NDF: 2095538.3/27

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

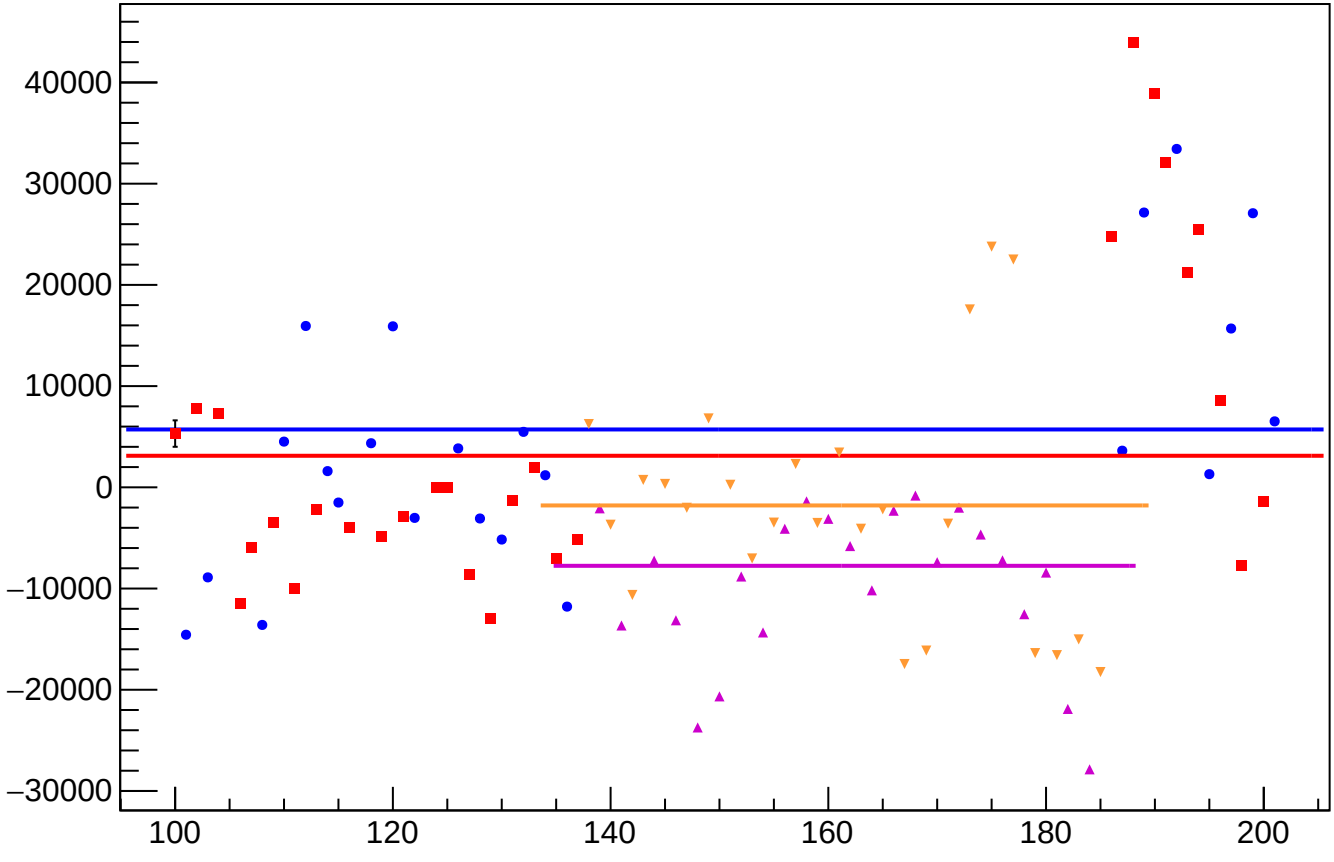
Right: 186.387+/-0.027 χ^2/NDF: 3456179.8/50

In: 180.524+/-0.024 χ^2/NDF:2666322.2/45

Out: 188.586+/-0.024 χ^2/NDF:3127158.6/52

All: 184.524+/-0.017 χ^2/NDF: 5849824.5/98

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: 3117.391+/-42.139 χ^2/NDF: 132985.0/27

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

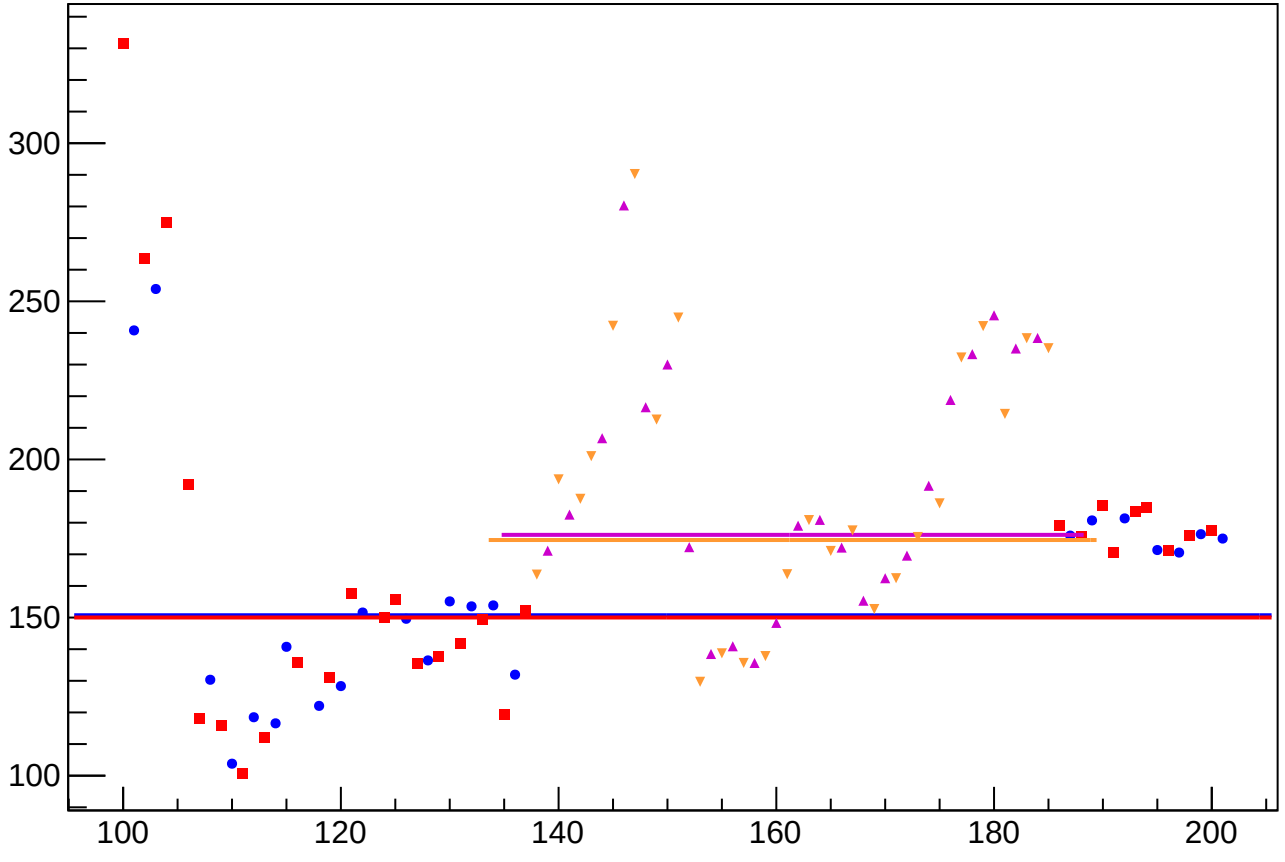
Right: 4347.067+/-30.590 χ^2/NDF: 222964.5/50

In: -1313.390+/-30.754 χ^2/NDF:159335.7/45

Out: 590.931+/-29.353 χ^2/NDF:205713.5/52

All: -316.869+/-21.233 χ^2/NDF: 367055.7/98

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: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

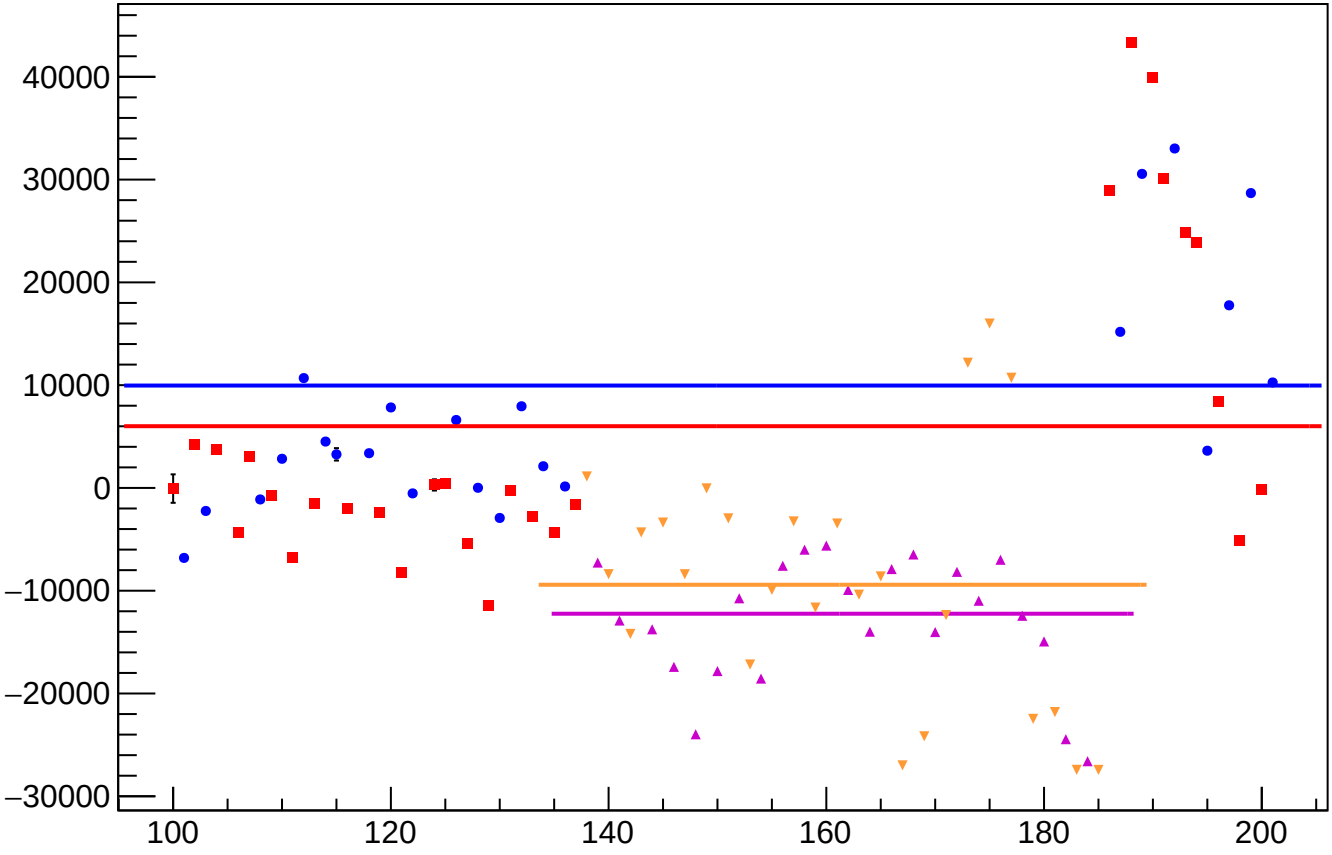
Right: 150.359+/-0.022 χ^2/NDF: 2329304.4/50

In: 163.999+/-0.022 χ^2/NDF:2672444.6/45

Out: 162.635+/-0.021 χ^2/NDF:3372096.8/52

All: 163.285+/-0.015 χ^2/NDF: 6046602.1/98

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9961.689+/-51.637 χ^2/NDF: 48092.3/22

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6006.725+/-48.510 χ^2/NDF: 103373.4/27

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

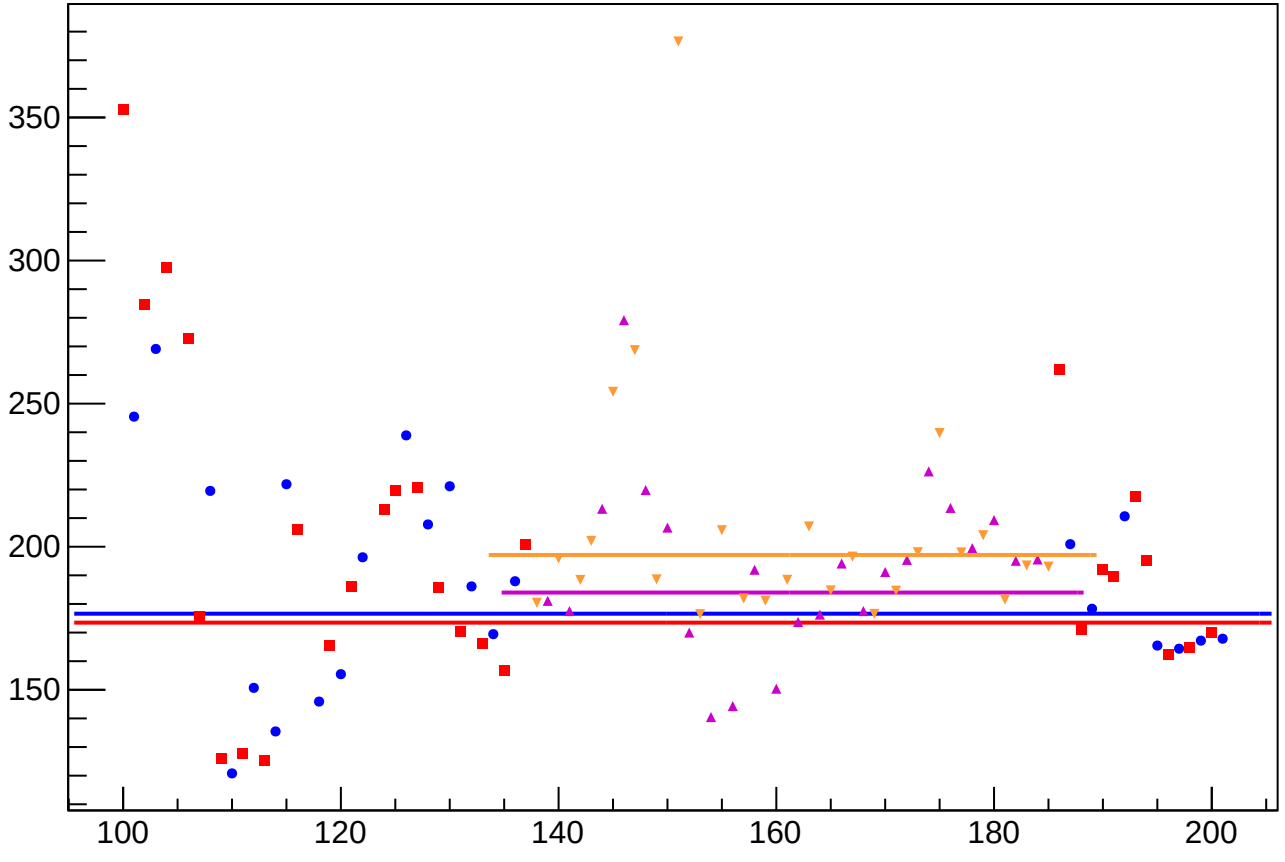
Right: 7860.838+/-35.355 χ^2/NDF: 154581.8/50

In: -2852.067+/-33.576 χ^2/NDF:170797.7/45

Out: -2166.743+/-33.263 χ^2/NDF:221675.8/52

All: -2506.193+/-23.630 χ^2/NDF: 392683.7/9

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: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

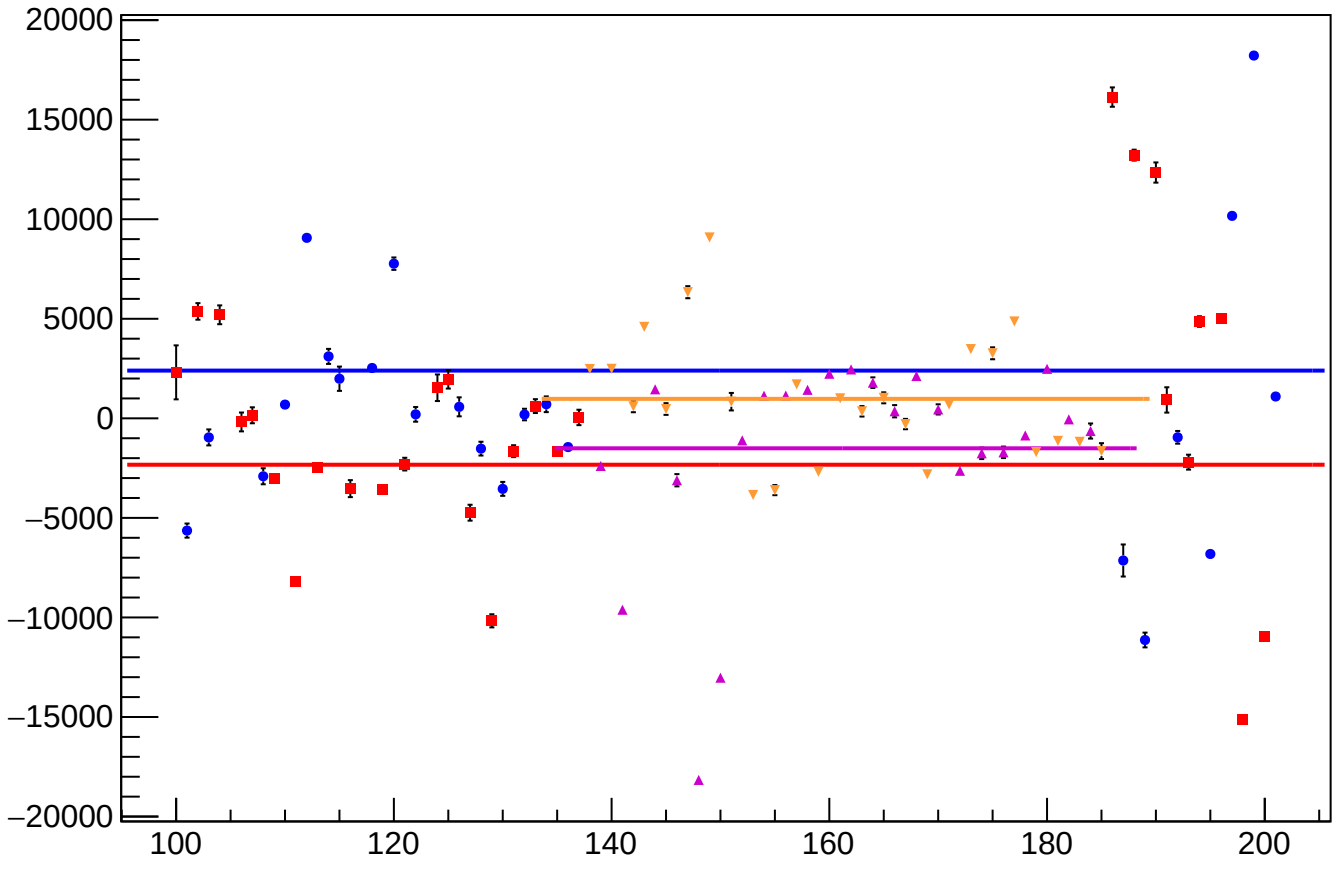
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.938+/-0.025 χ^2/NDF: 1956658.5/50

In: 180.862+/-0.024 χ^2/NDF:1612894.5/45

Out: 186.003+/-0.024 χ^2/NDF:2177640.9/52

All: 183.457+/-0.017 χ^2/NDF: 3814202.8/98



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: -2329.786+/-54.964 χ^2/NDF: 16208.1/27

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

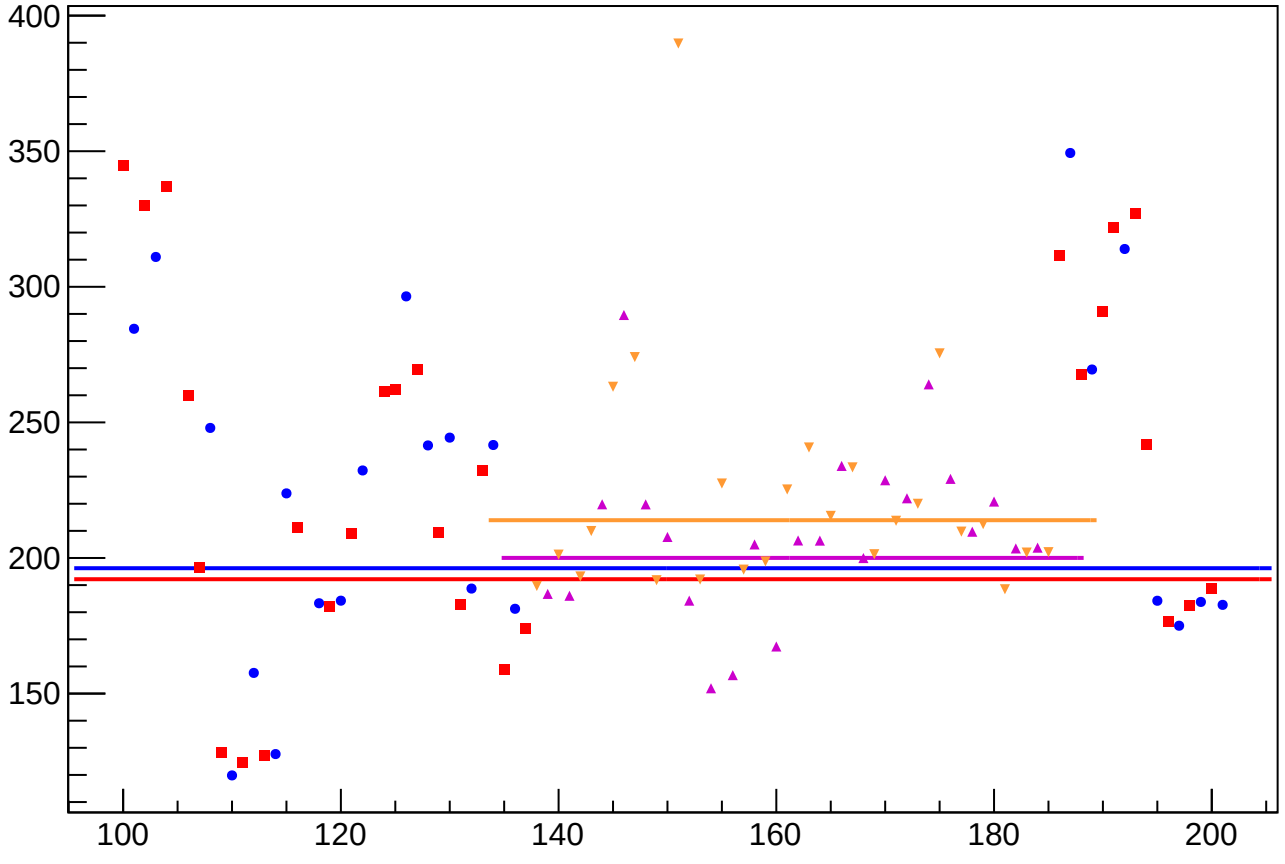
Right: -99.005+/-39.944 χ^2/NDF: 34685.5/50

In: 78.568+/-37.041 χ^2/NDF:29144.1/45

Out: -506.645+/-36.826 χ^2/NDF:22527.5/52

All: -215.740+/-26.116 χ^2/NDF: 51797.1/98

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: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

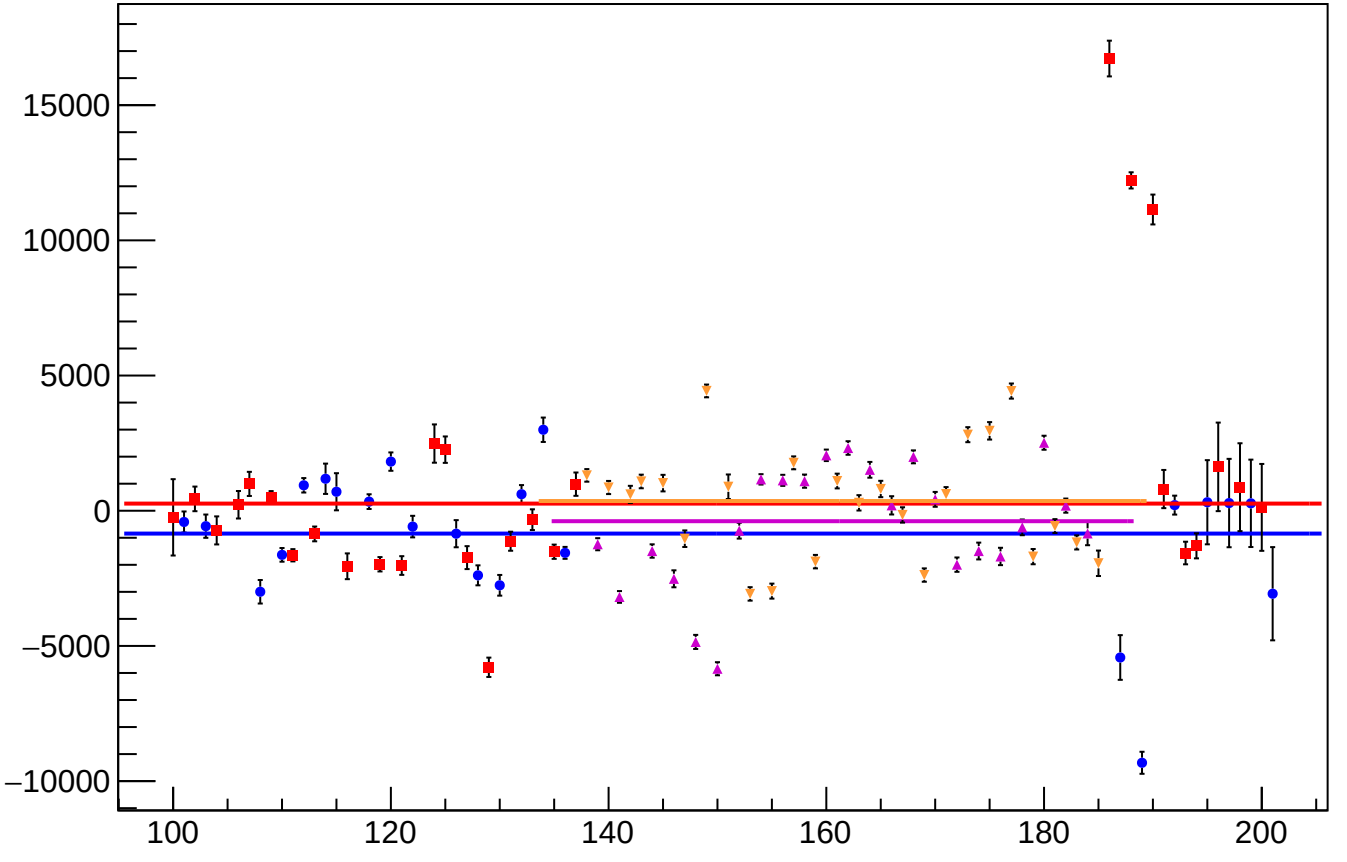
Right: 194.087+/-0.028 χ^2/NDF: 3677783.2/50

In: 198.489+/-0.026 χ^2/NDF:2229603.6/45

Out: 204.163+/-0.026 χ^2/NDF:3140011.2/52

All: 201.343+/-0.018 χ^2/NDF: 5393220.2/98

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: 264.191+/-73.948 χ^2/NDF: 3268.9/27

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

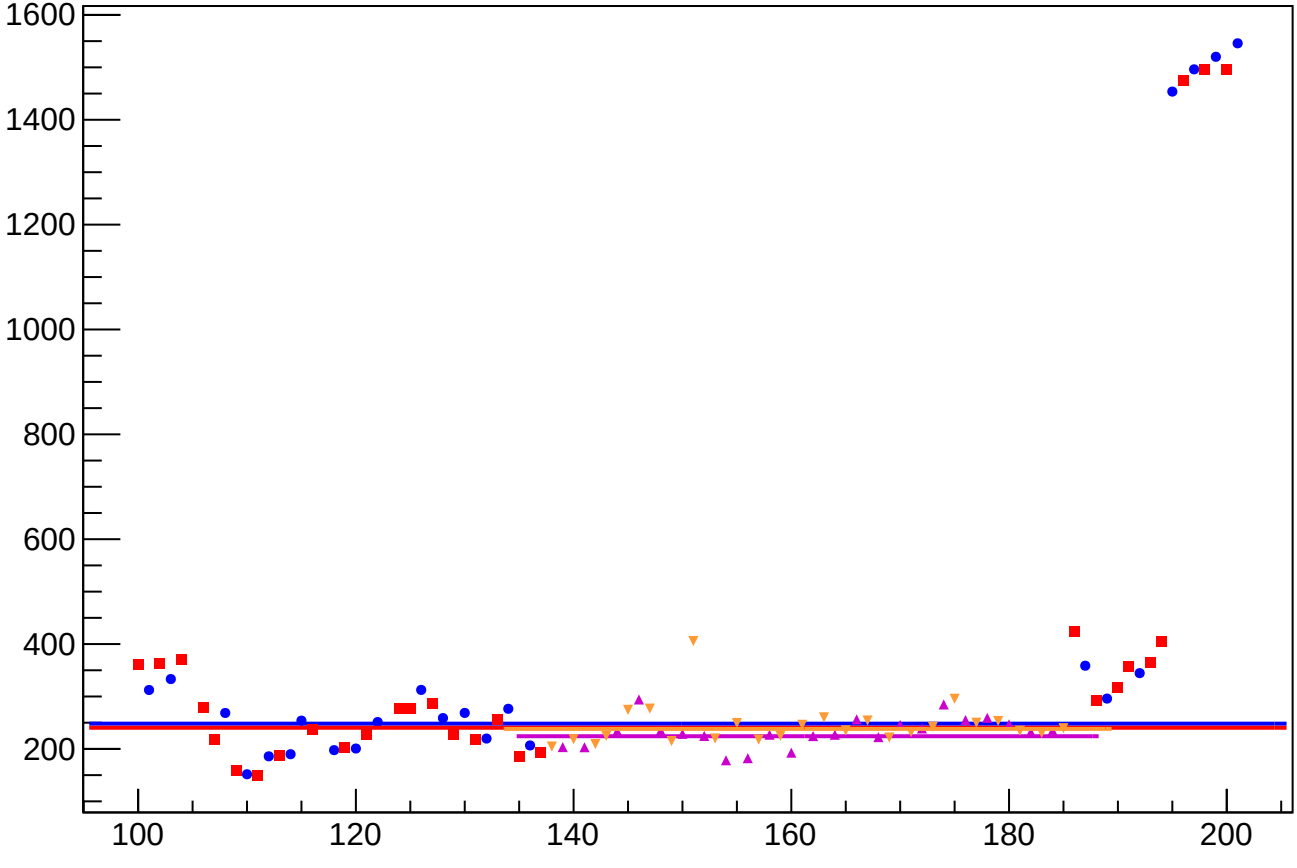
Right: -236.016+/-54.791 χ^2/NDF: 4169.8/50

In: -524.752+/-44.755 χ^2/NDF:2625.6/45

Out: 325.033+/-44.127 χ^2/NDF:4688.8/52

All: -93.855+/-31.422 χ^2/NDF: 7497.2/98

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: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

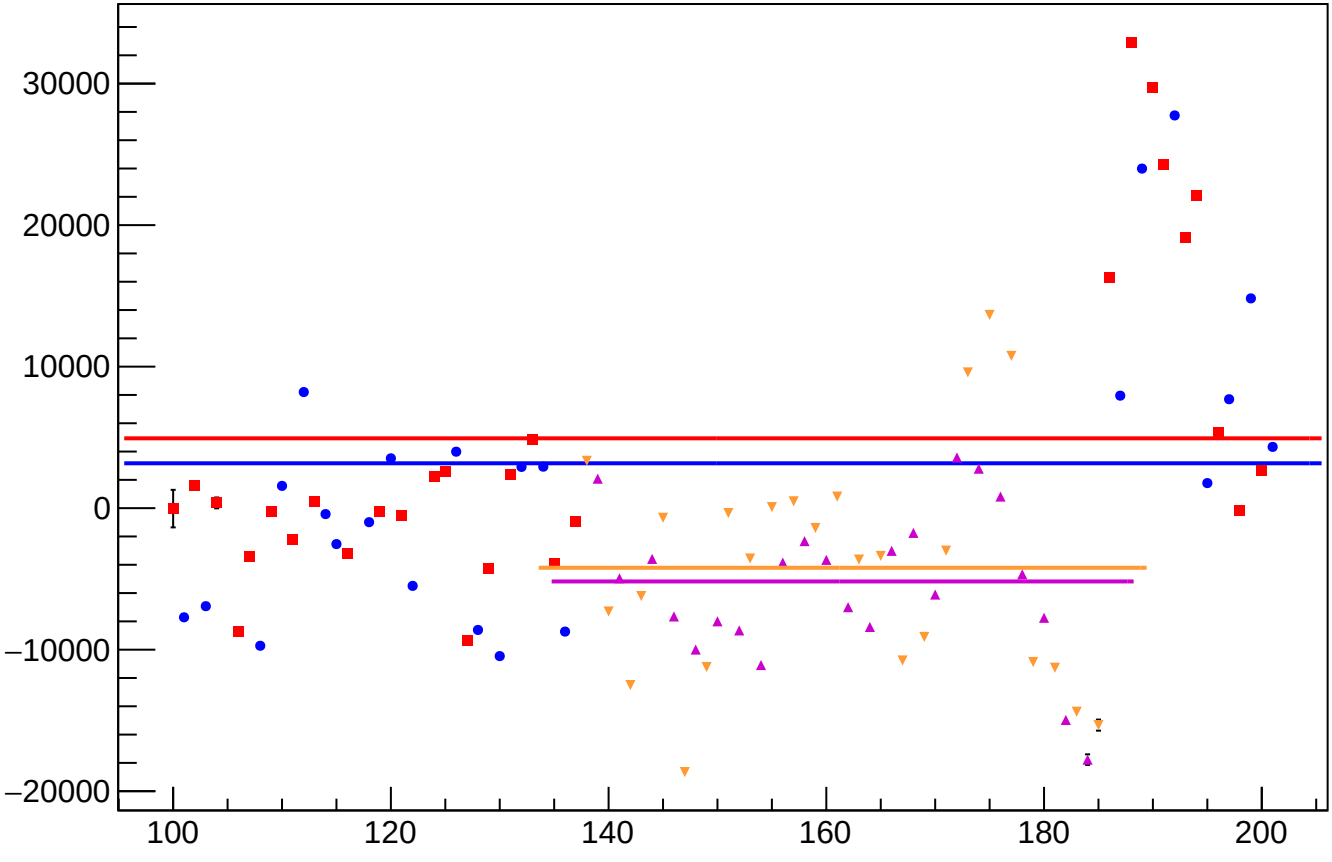
Right: 243.893+/-0.039 χ^2/NDF: 11240331.2/50

In: 231.420+/-0.032 χ^2/NDF:6437503.7/45

Out: 238.977+/-0.031 χ^2/NDF:6045646.4/52

All: 235.252+/-0.022 χ^2/NDF: 12512060.7/98

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: 4935.137+/-35.527 χ^2/NDF: 102493.8/27

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

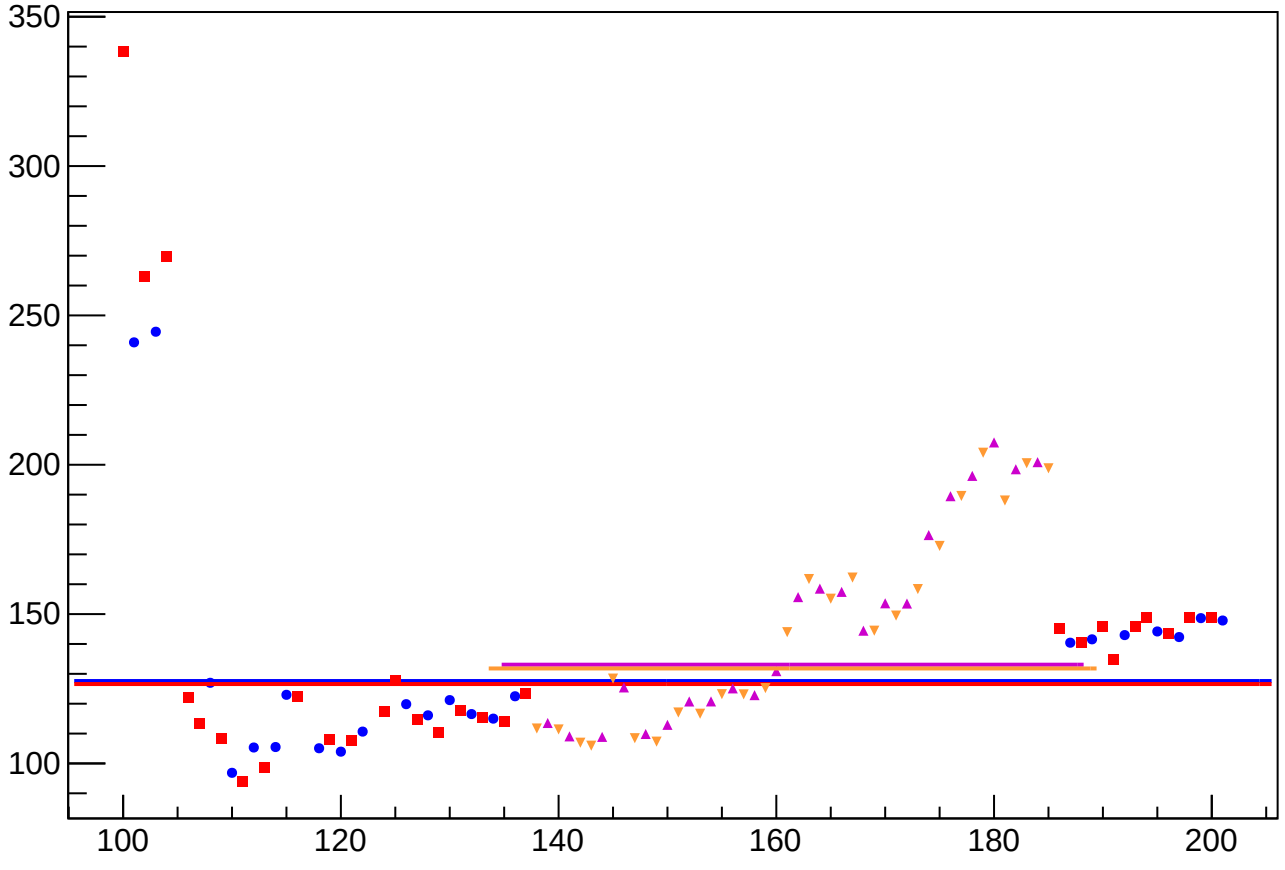
Right: 4106.315+/-25.871 χ^2/NDF: 179320.5/50

In: -1691.162+/-24.396 χ^2/NDF:122694.1/45

Out: -282.071+/-23.284 χ^2/NDF:197101.5/52

All: -953.776+/-16.844 χ^2/NDF: 321541.5/98

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: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

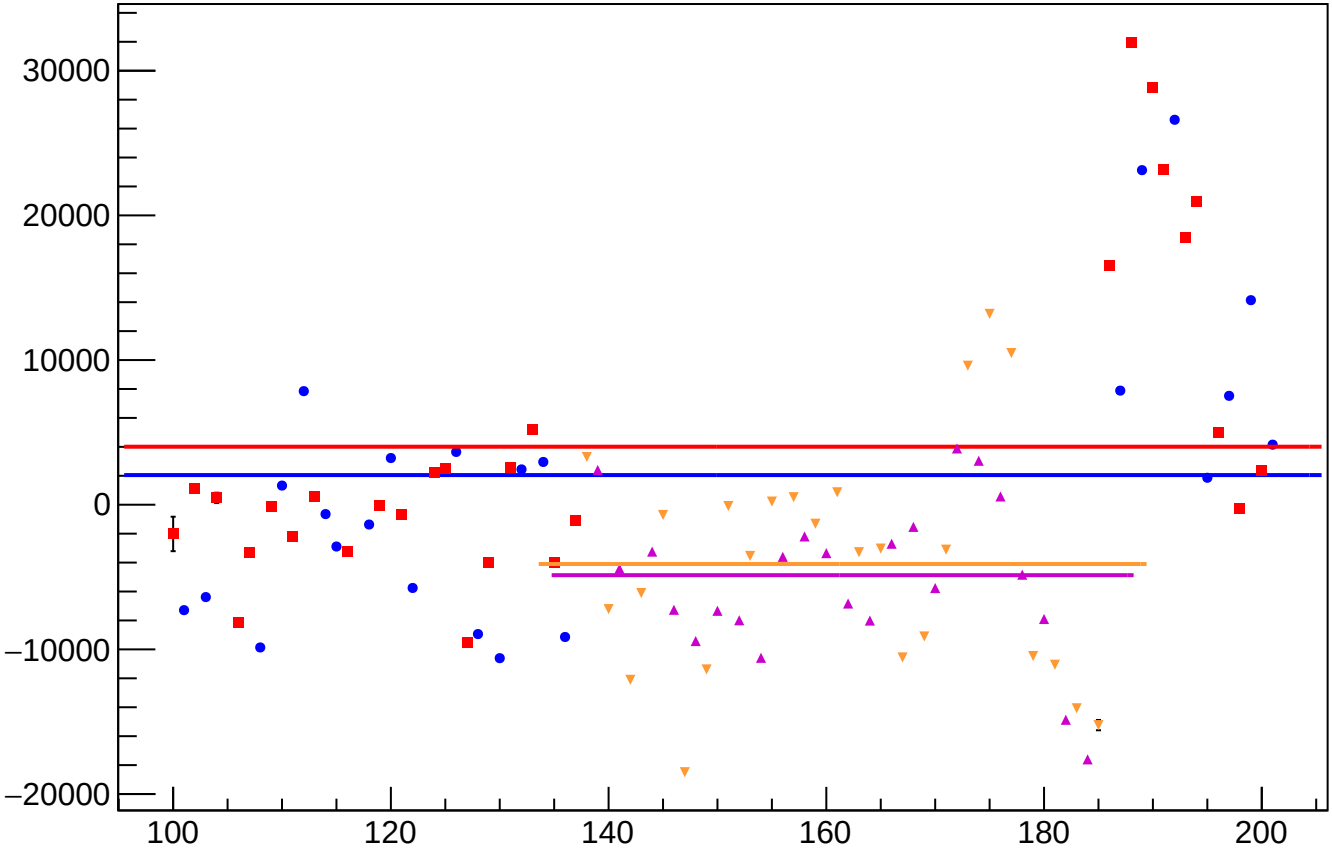
Right: 127.055+/-0.018 χ^2/NDF: 2147605.7/50

In: 130.776+/-0.017 χ^2/NDF:2393913.5/45

Out: 129.557+/-0.016 χ^2/NDF:2764593.1/52

All: 130.138+/-0.012 χ^2/NDF: 5161118.0/98

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: 4009.765+/-32.441 χ^2/NDF: 107999.4/27

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

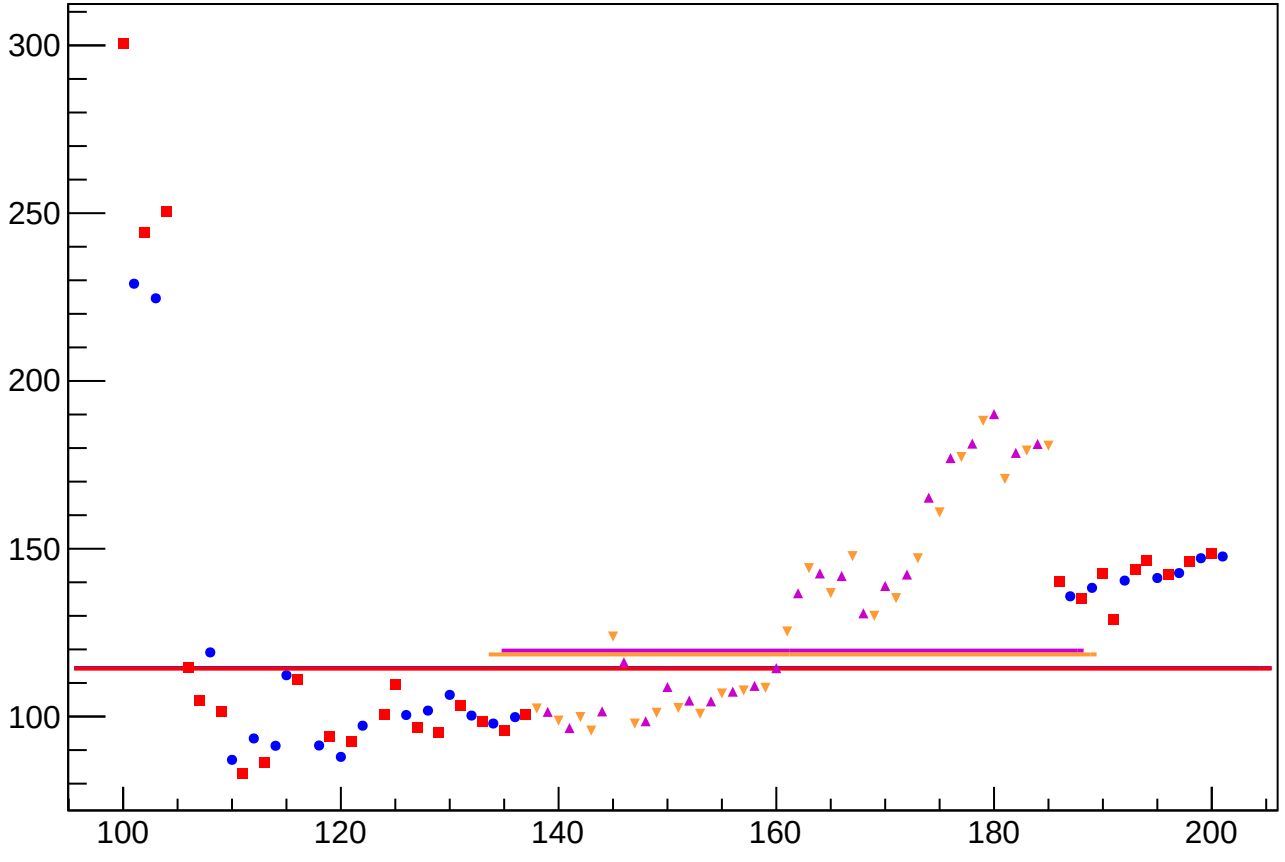
Right: 3082.494+/-23.555 χ^2/NDF: 192210.9/50

In: -2003.724+/-22.048 χ^2/NDF:128287.9/45

Out: -669.691+/-21.097 χ^2/NDF:210324.2/52

All: -1307.308+/-15.243 χ^2/NDF: 340523.2/9

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: 114.295+/-0.023 χ^2/NDF: 1654167.7/27

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

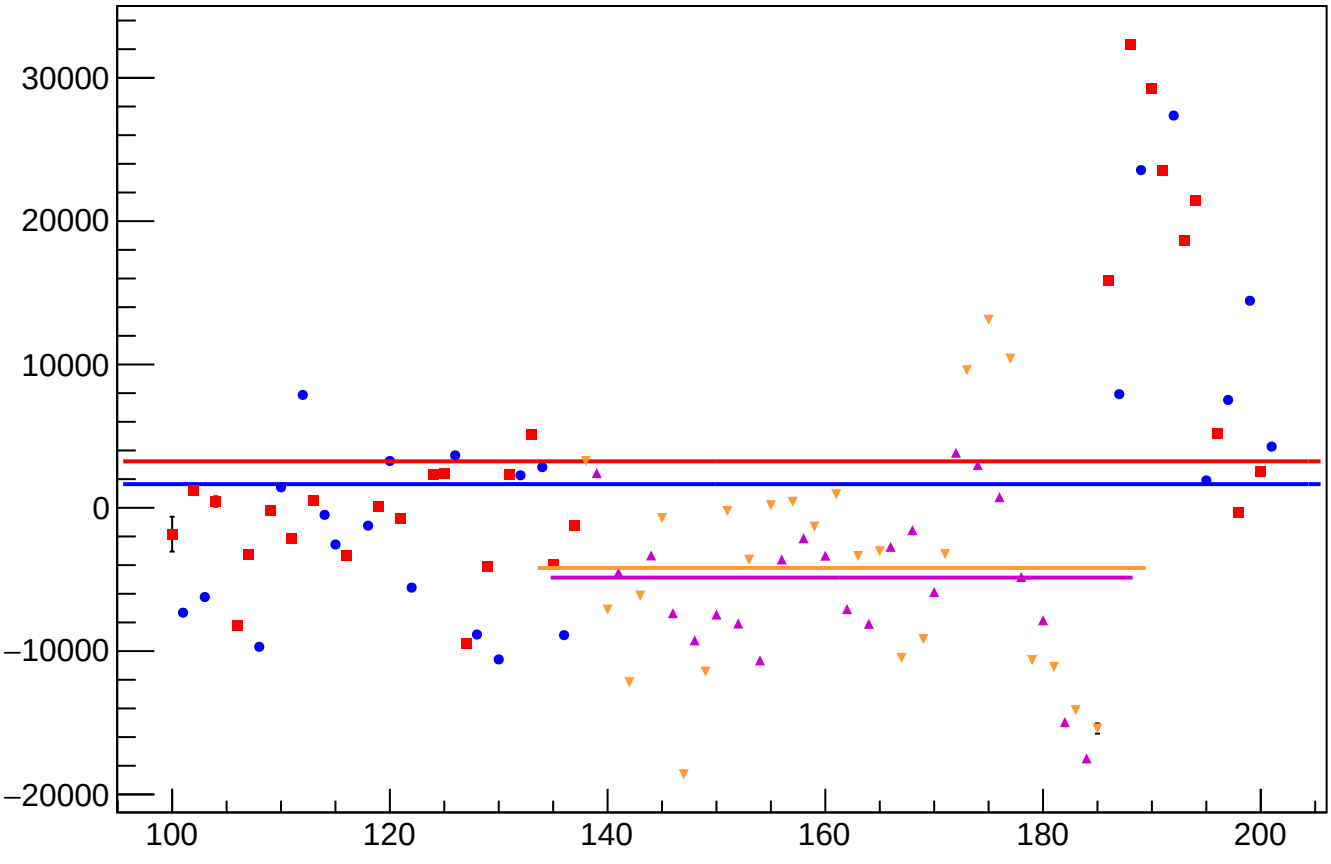
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 114.355+/-0.017 χ^2/NDF: 3052352.0/50

In: 117.481+/-0.016 χ^2/NDF:2937786.3/45

Out: 116.722+/-0.015 χ^2/NDF:3300717.6/52

All: 117.085+/-0.011 χ^2/NDF: 6239739.7/98



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: 3241.277+/-31.841 χ^2/NDF: 101015.3/27

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

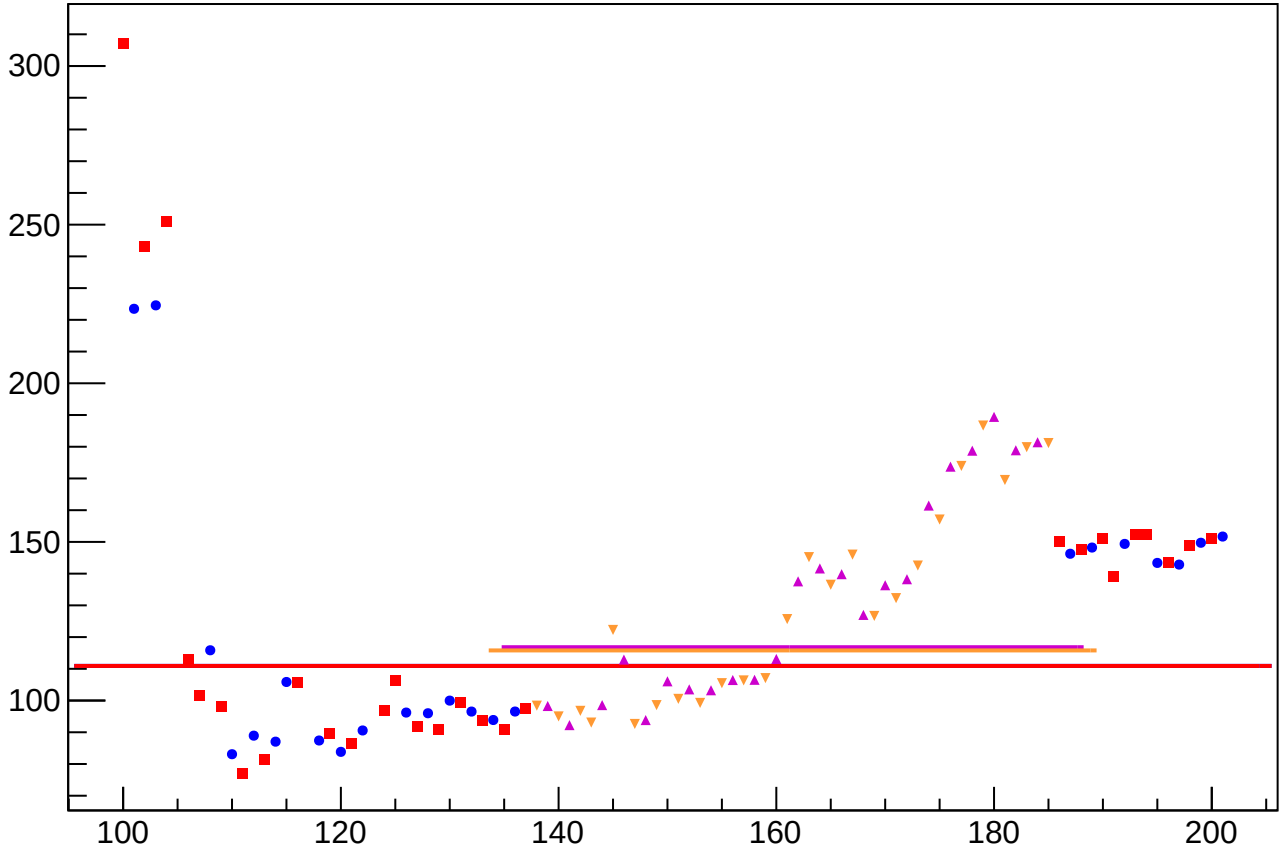
Right: 2487.207+/-23.084 χ^2/NDF: 183552.5/50

In: -2168.541+/-21.578 χ^2/NDF:126469.0/45

Out: -1057.754+/-20.686 χ^2/NDF:202973.5/52

All: -1589.710+/-14.933 χ^2/NDF: 330823.3/9

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: 110.908+/-0.023 χ^2/NDF: 2134533.2/27

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

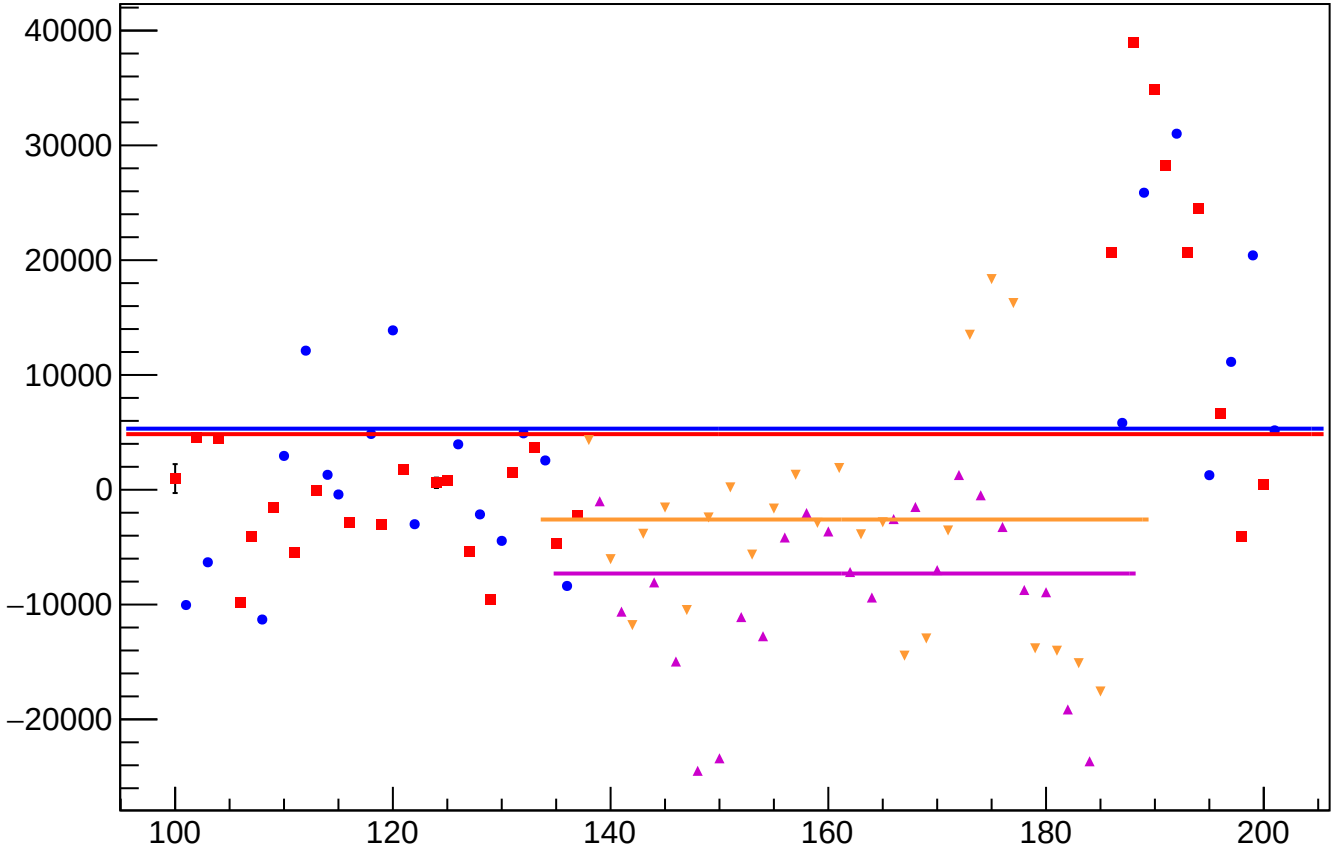
Right: 110.916+/-0.016 χ^2/NDF: 3848908.2/50

In: 114.370+/-0.015 χ^2/NDF:3368109.1/45

Out: 113.734+/-0.015 χ^2/NDF:3910820.8/52

All: 114.038+/-0.011 χ^2/NDF: 7279834.6/98

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5321.841+/-45.090 χ^2/NDF: 61365.7/22

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 4844.667+/-42.944 χ^2/NDF: 96144.4/27

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

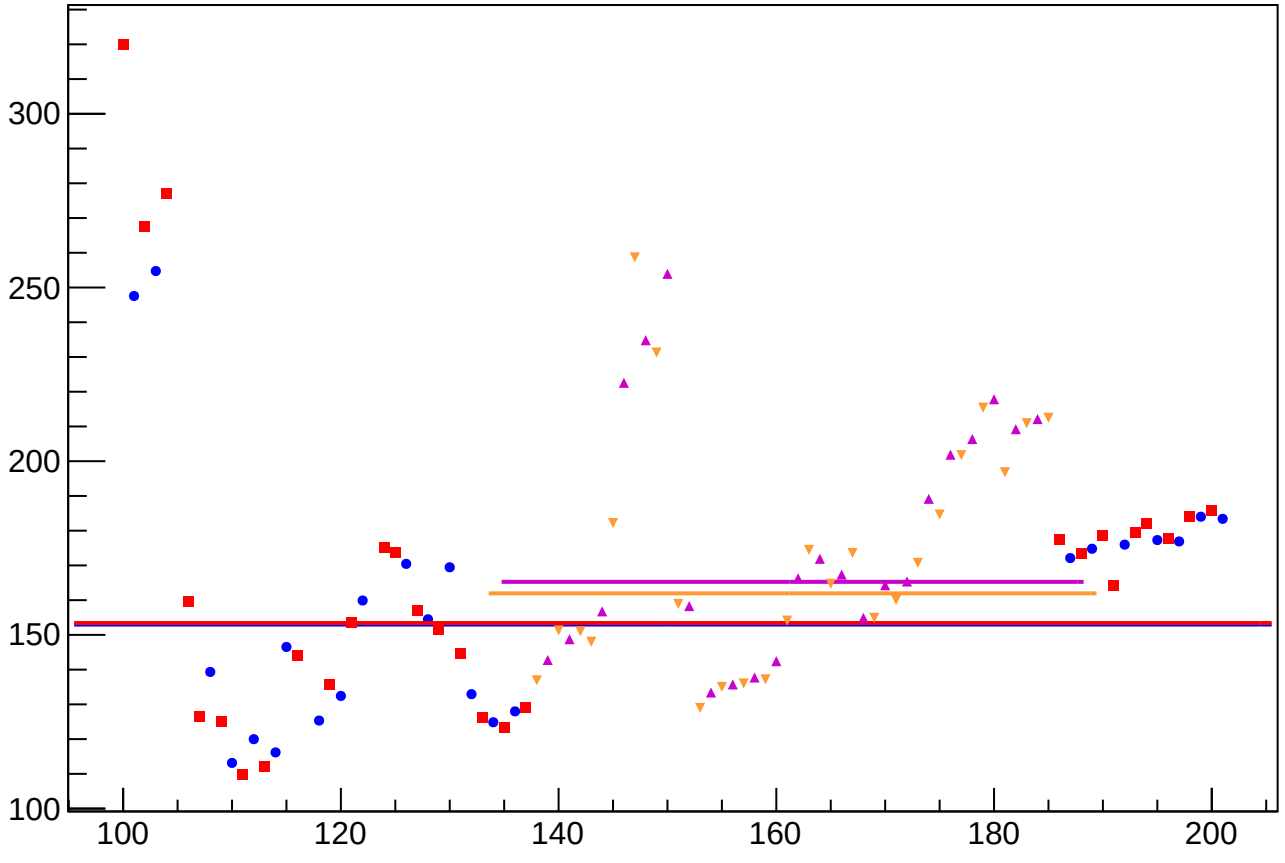
Right: 5071.628+/-31.097 χ^2/NDF: 157568.9/50

In: -1805.539+/-29.744 χ^2/NDF:130343.5/45

Out: 639.646+/-28.307 χ^2/NDF:161094.6/52

All: -522.479+/-20.505 χ^2/NDF: 294984.2/98

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: 153.427+/-0.030 χ^2/NDF: 1205605.8/27

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

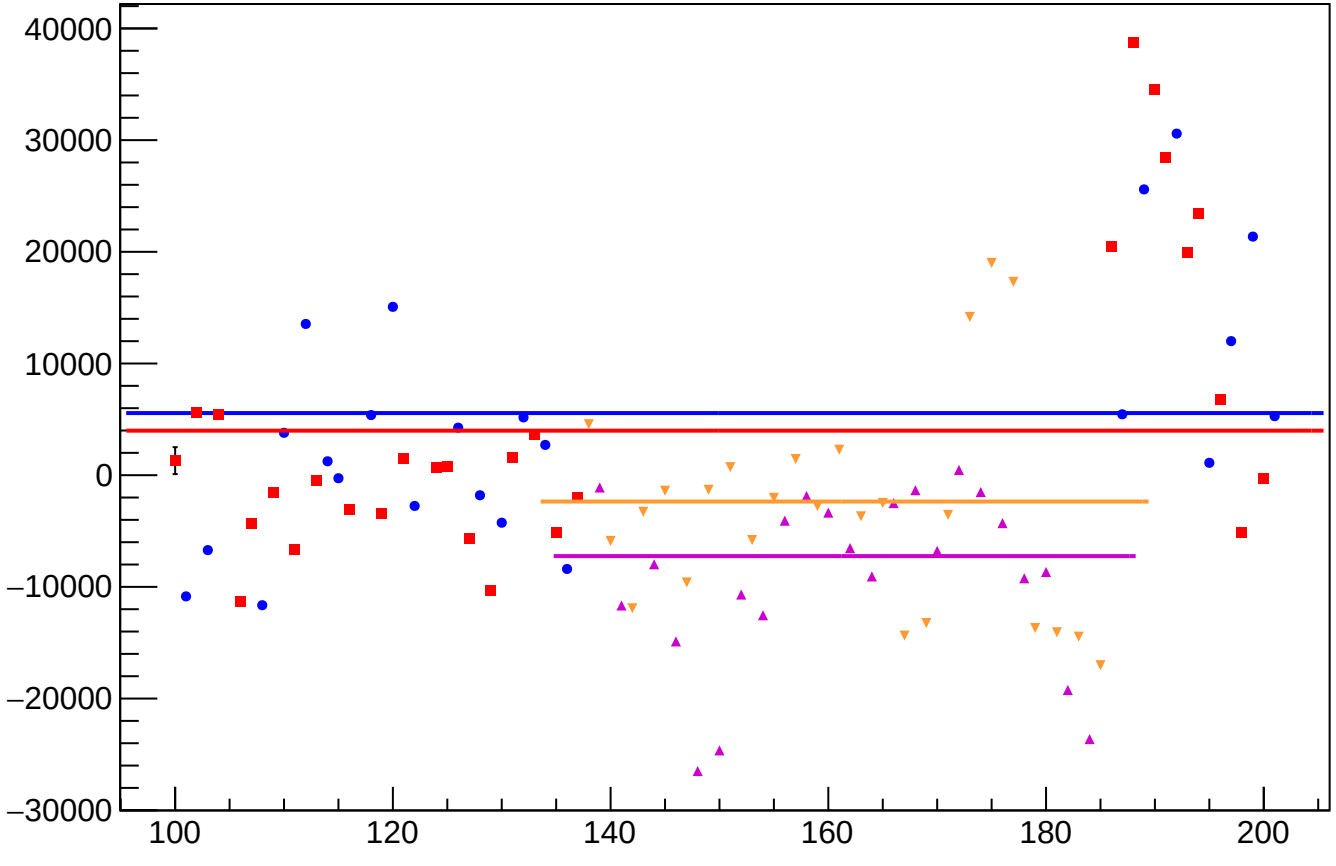
Right: 153.214+/-0.022 χ^2/NDF: 2193879.6/50

In: 159.923+/-0.021 χ^2/NDF:2251244.7/45

Out: 158.250+/-0.020 χ^2/NDF:2395038.3/52

All: 159.045+/-0.014 χ^2/NDF: 4649600.5/98

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: 3988.001+/-36.110 χ^2/NDF: 132989.5/27

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

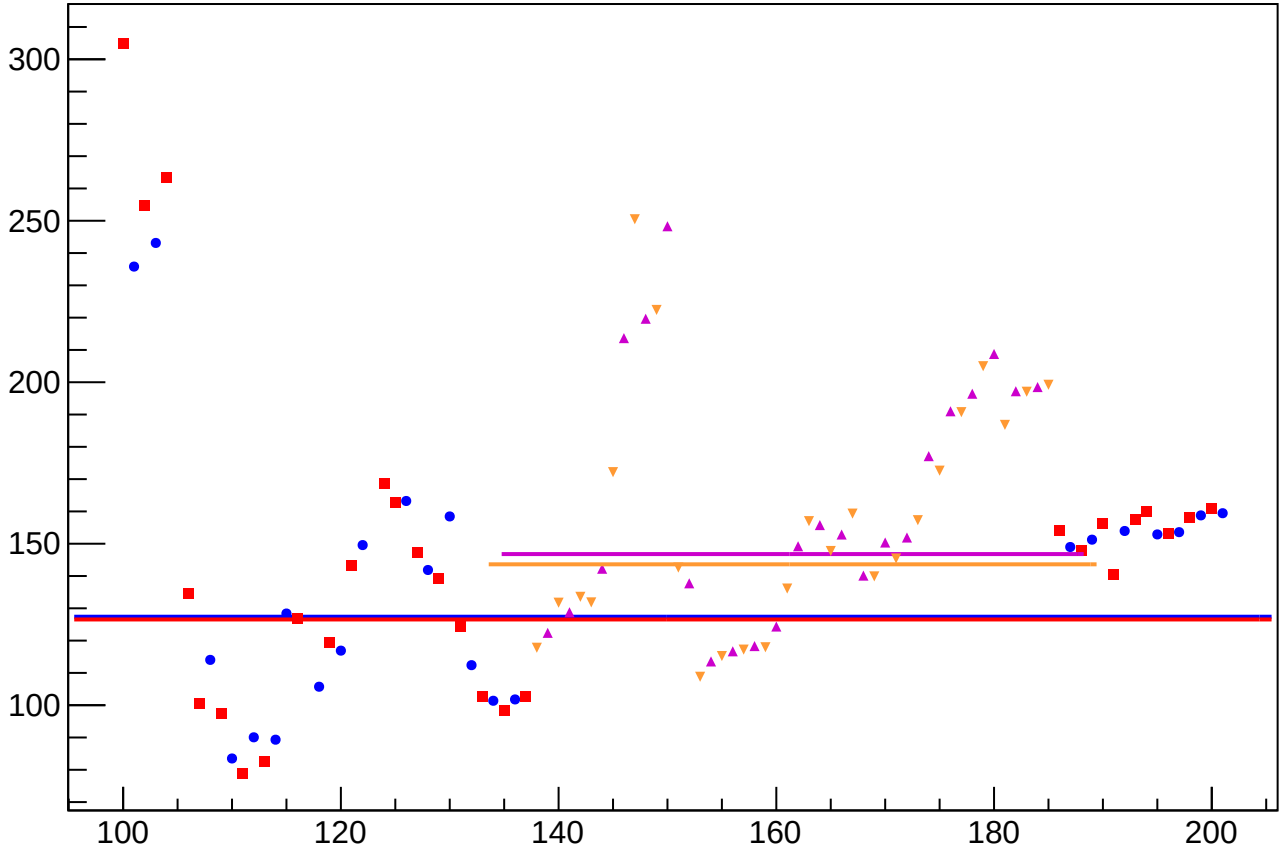
Right: 4730.942+/-26.235 χ^2/NDF: 219442.2/50

In: -1305.601+/-26.001 χ^2/NDF:176331.5/45

Out: 592.816+/-24.630 χ^2/NDF:208086.4/52

All: -305.014+/-17.881 χ^2/NDF: 387227.6/98

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: 126.547+/-0.026 χ^2/NDF: 1968560.8/27

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

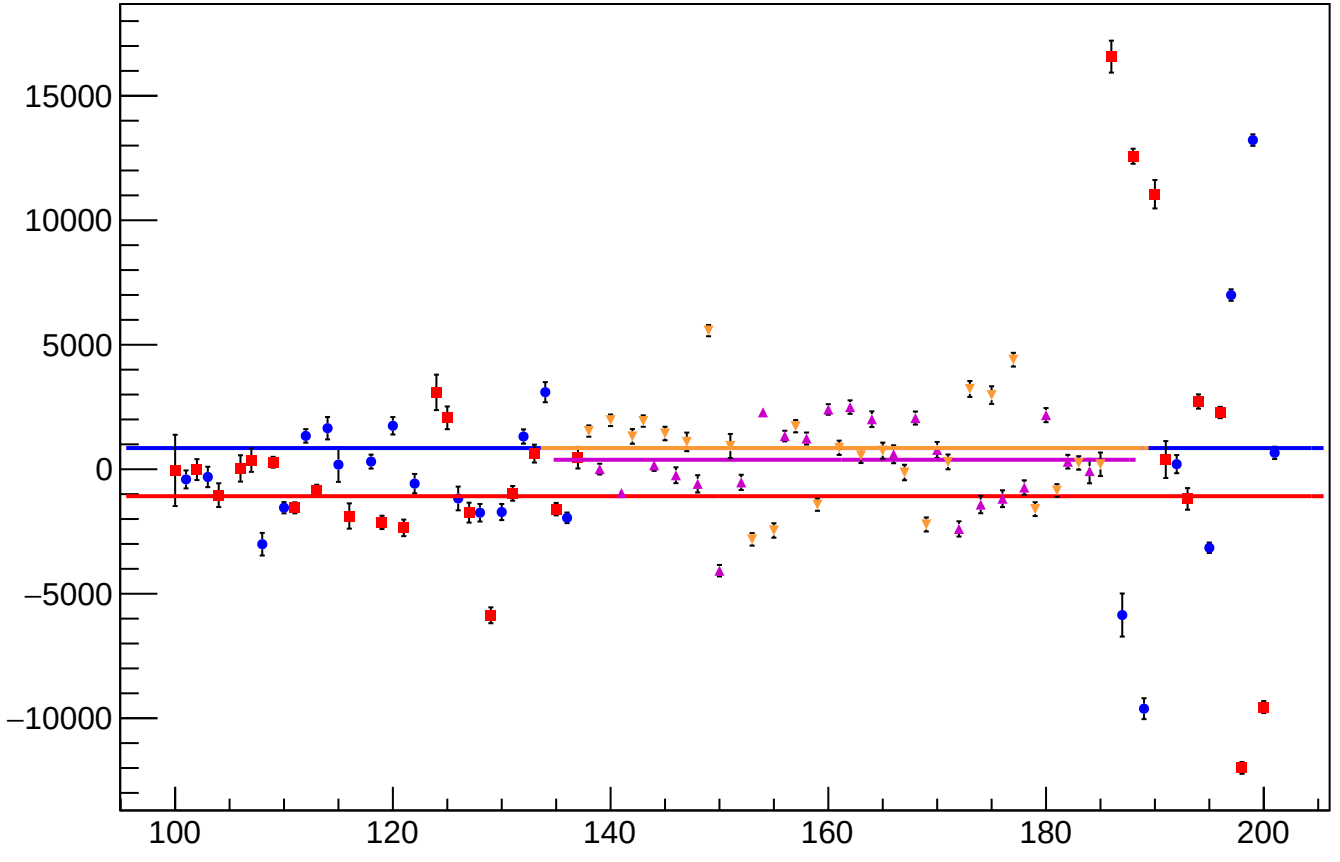
Right: 126.947+/-0.019 χ^2/NDF: 3548065.0/50

In: 137.797+/-0.018 χ^2/NDF:3550338.6/45

Out: 135.678+/-0.017 χ^2/NDF:3870549.7/52

All: 136.680+/-0.013 χ^2/NDF: 7427888.1/98

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: -1082.553+/-61.815 χ^2/NDF: 7474.3/27

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

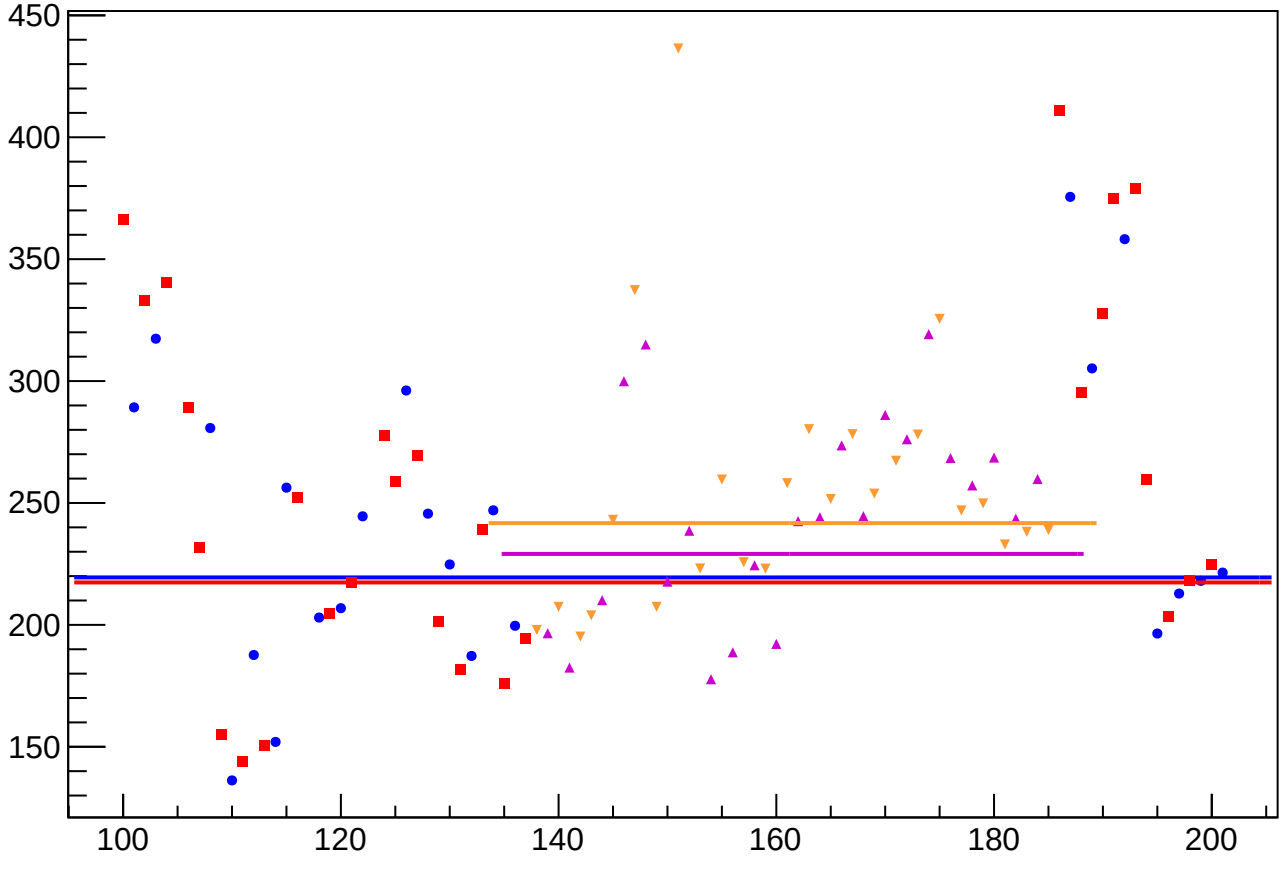
Right: -159.415+/-44.681 χ^2/NDF: 13130.1/50

In: 578.630+/-41.953 χ^2/NDF:6201.7/45

Out: -23.020+/-41.598 χ^2/NDF:9455.1/52

All: 275.244+/-29.539 χ^2/NDF: 15760.5/98

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: 217.410+/-0.044 χ^2/NDF: 1903080.8/27

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

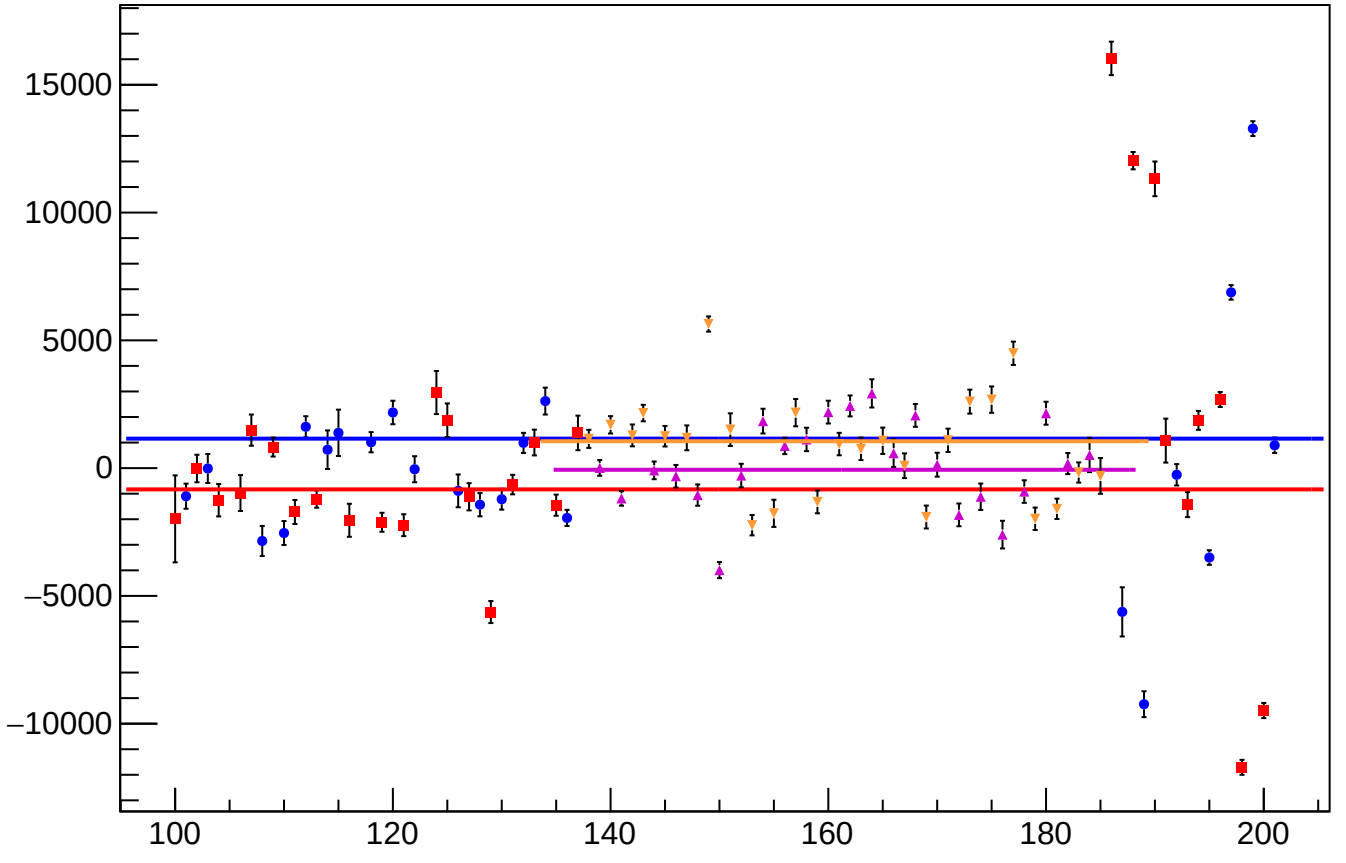
Right: 218.389+/-0.032 χ^2/NDF: 3075381.3/50

In: 225.044+/-0.030 χ^2/NDF:2265958.9/45

Out: 230.725+/-0.029 χ^2/NDF:3059085.6/52

All: 227.909+/-0.021 χ^2/NDF: 5343537.2/98

asym_bpm0l02WS_mean vs Slug, Sign Corrected



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: -832.160+/-84.821 χ^2/NDF: 5115.7/27

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

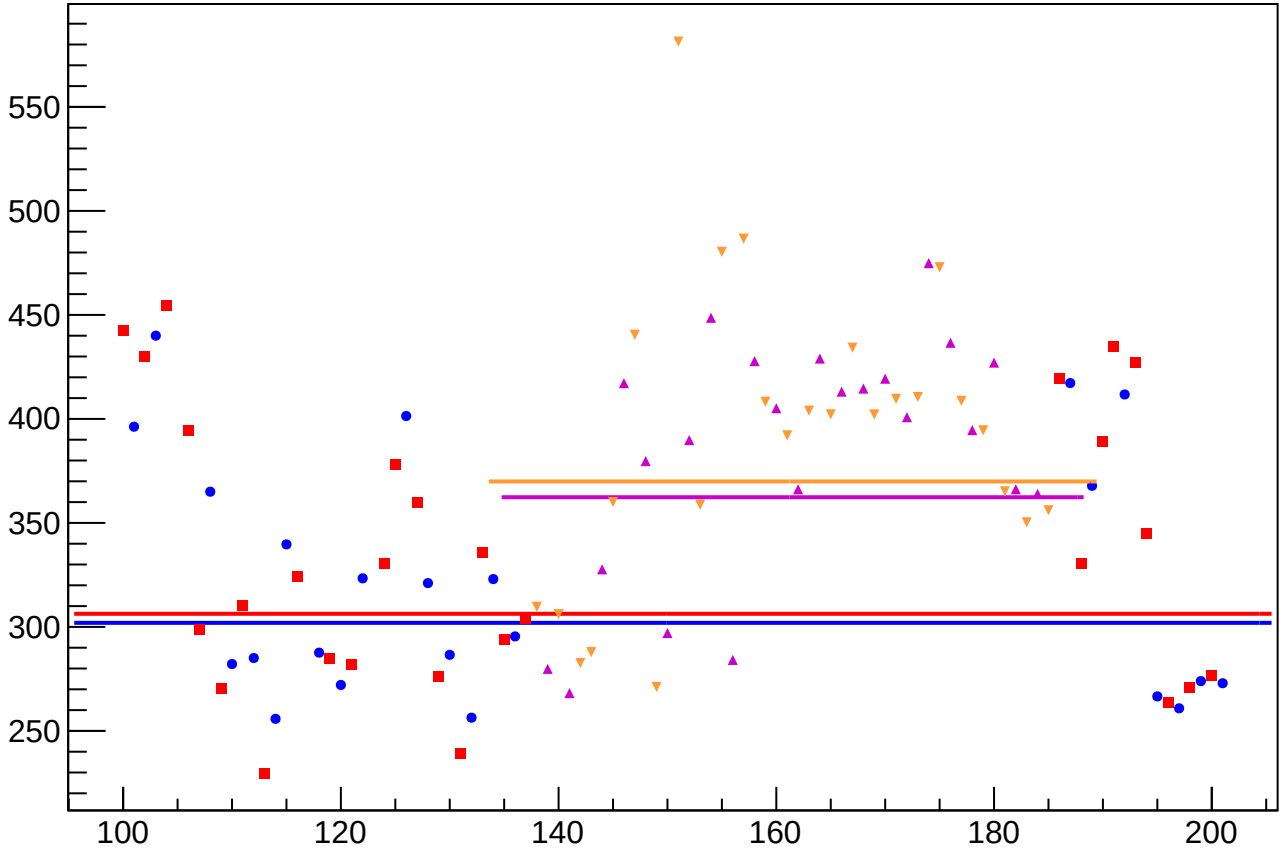
Right: 127.773+/-60.968 χ^2/NDF: 8607.2/50

In: 537.371+/-61.640 χ^2/NDF:3718.7/45

Out: 98.731+/-60.354 χ^2/NDF:5974.2/52

All: 313.425+/-43.124 χ^2/NDF: 9718.8/98

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: 306.315+/-0.060 χ^2/NDF: 904182.8/27

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

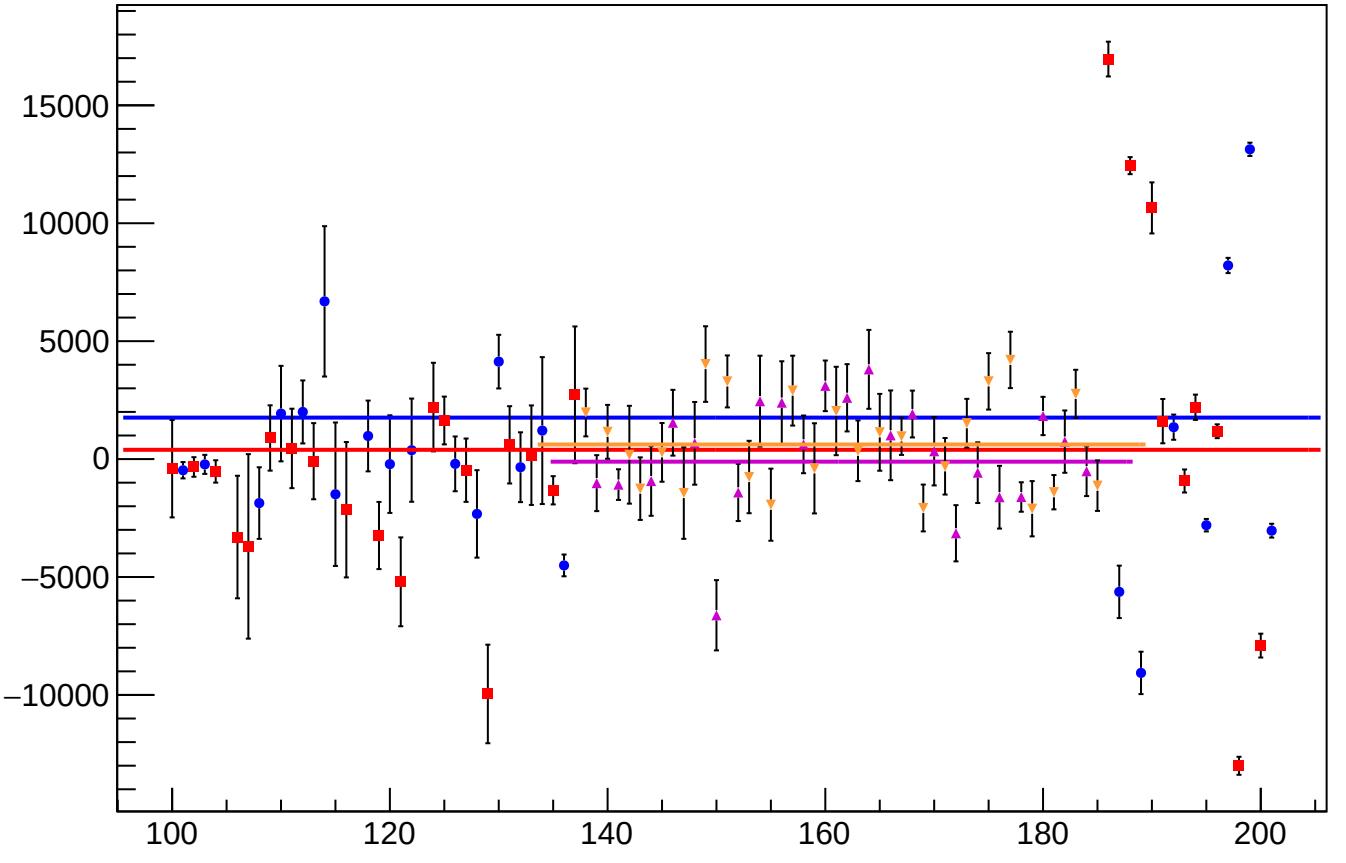
Right: 304.211+/-0.043 χ^2/NDF: 1549183.4/50

In: 332.510+/-0.044 χ^2/NDF:2175527.6/45

Out: 337.719+/-0.043 χ^2/NDF:2689786.0/52

All: 335.169+/-0.030 χ^2/NDF: 4872604.5/98

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: 393.048+/-129.171 χ^2/NDF: 3294.9/27

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

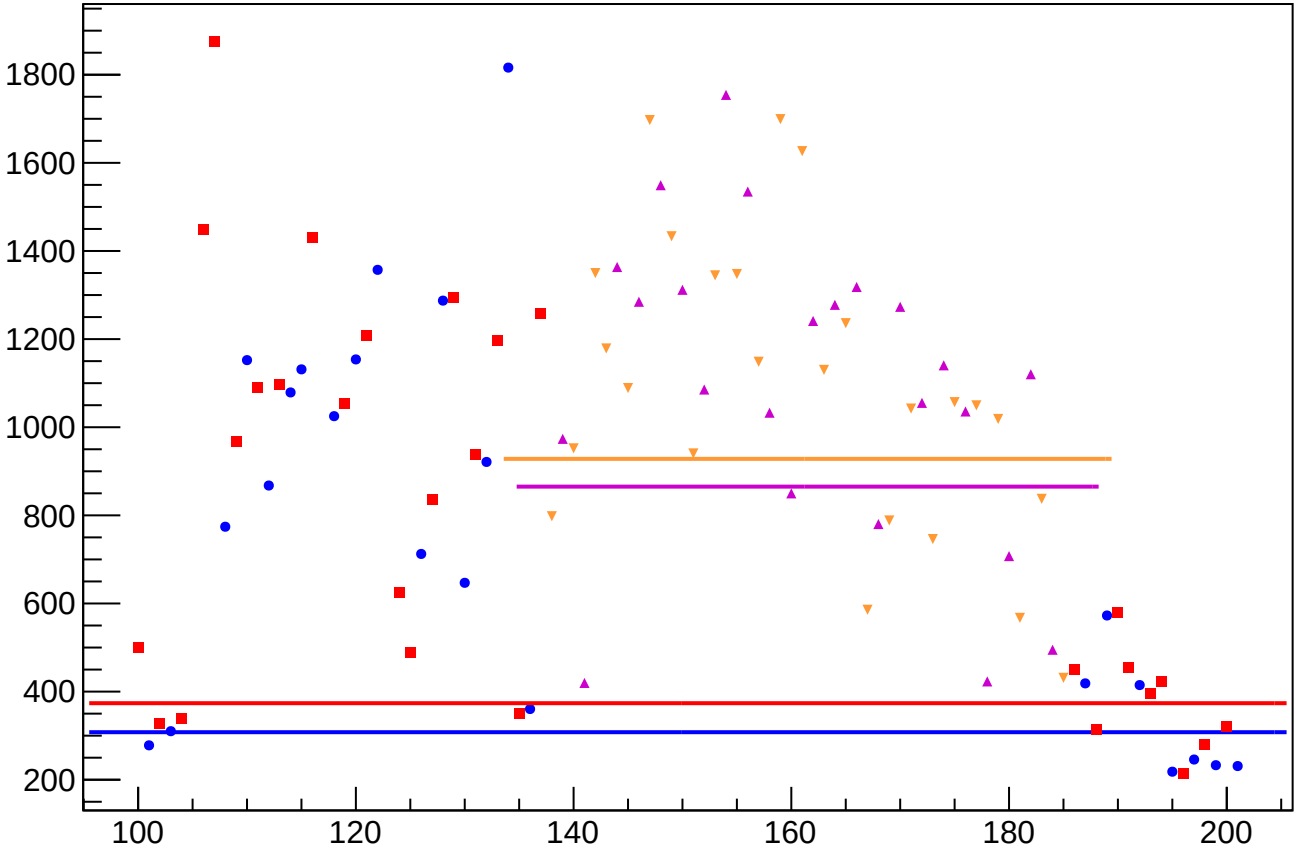
Right: 1162.998+/-85.295 χ^2/NDF: 6421.7/50

In: 1411.401+/-102.490 χ^2/NDF:3185.8/45

Out: 444.305+/-113.545 χ^2/NDF:3361.3/52

All: 977.211+/-76.080 χ^2/NDF: 6587.0/98

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: 373.707+/-0.091 χ^2/NDF: 5270041.9/27

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

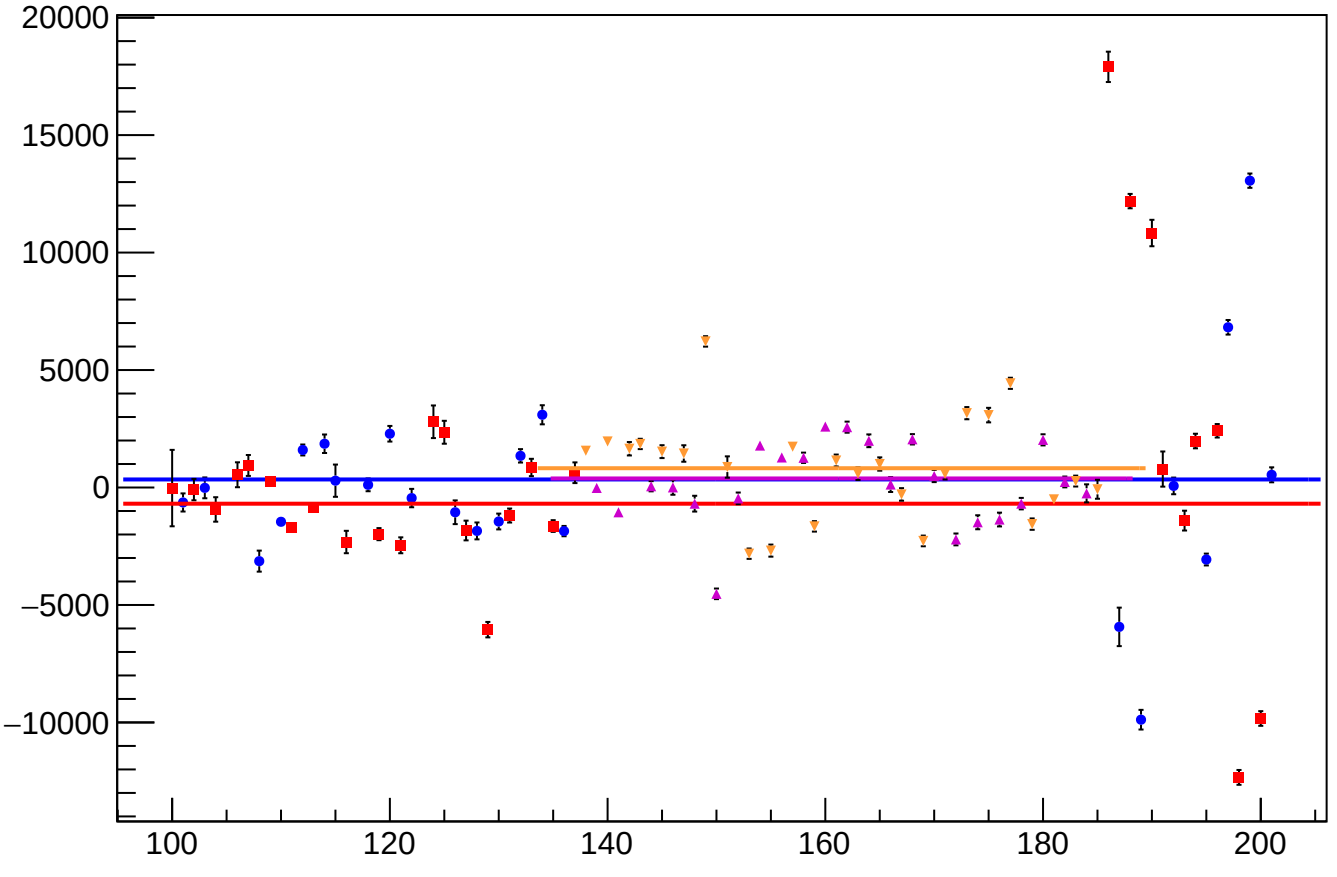
Right: 336.573+/-0.060 χ^2/NDF: 10653582.2/50

In: 411.371+/-0.072 χ^2/NDF:18827651.9/45

Out: 499.762+/-0.080 χ^2/NDF:16943613.2/52

All: 451.055+/-0.054 χ^2/NDF: 36439133.9/98

asym_bpm0l04WS_mean vs Slug, Sign Corrected



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: -689.532+/-62.773 χ^2/NDF: 5952.6/27

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

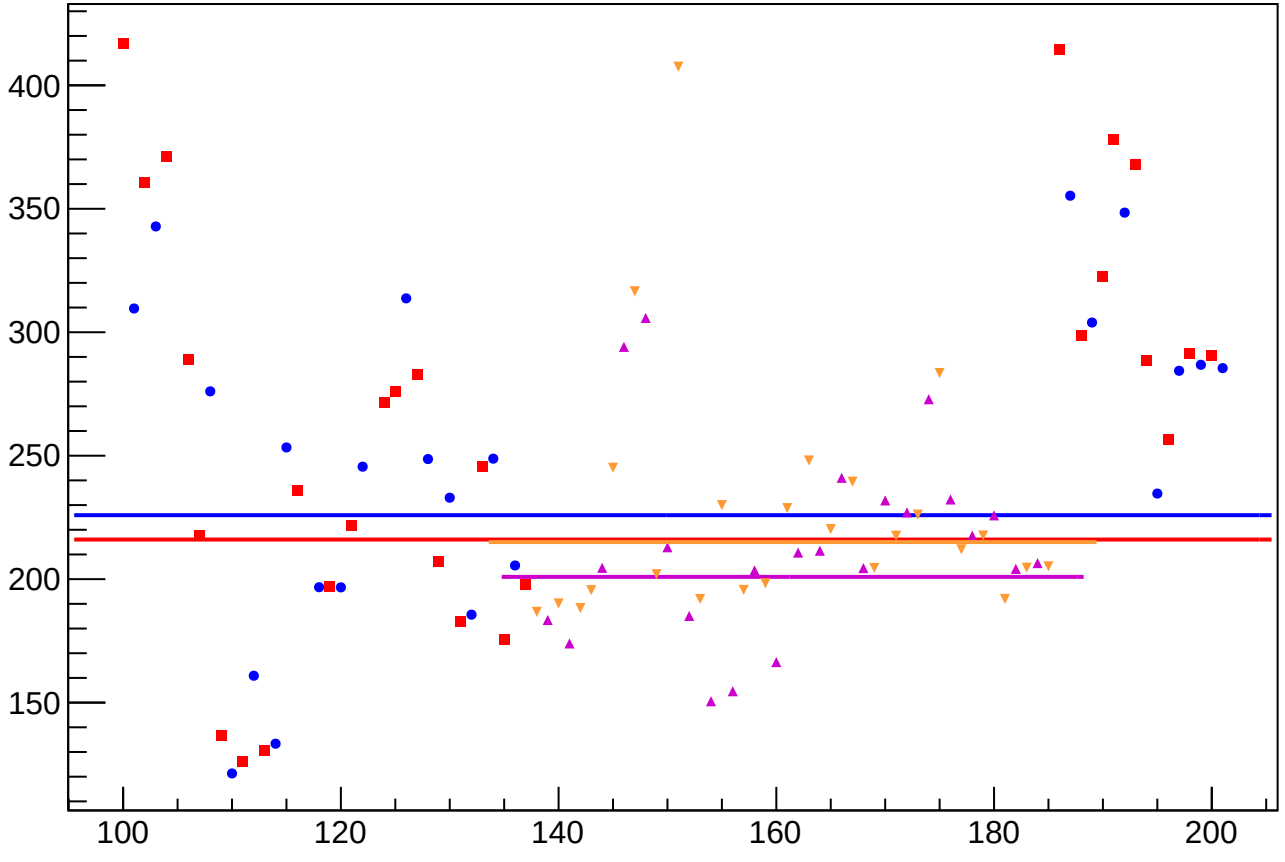
Right: -211.785+/-46.006 χ^2/NDF: 9554.6/50

In: 370.627+/-39.387 χ^2/NDF:4730.5/45

Out: 234.604+/-39.108 χ^2/NDF:8297.6/52

All: 302.132+/-27.752 χ^2/NDF: 13034.1/98

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: 216.043+/-0.044 χ^2/NDF: 2953910.1/27

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

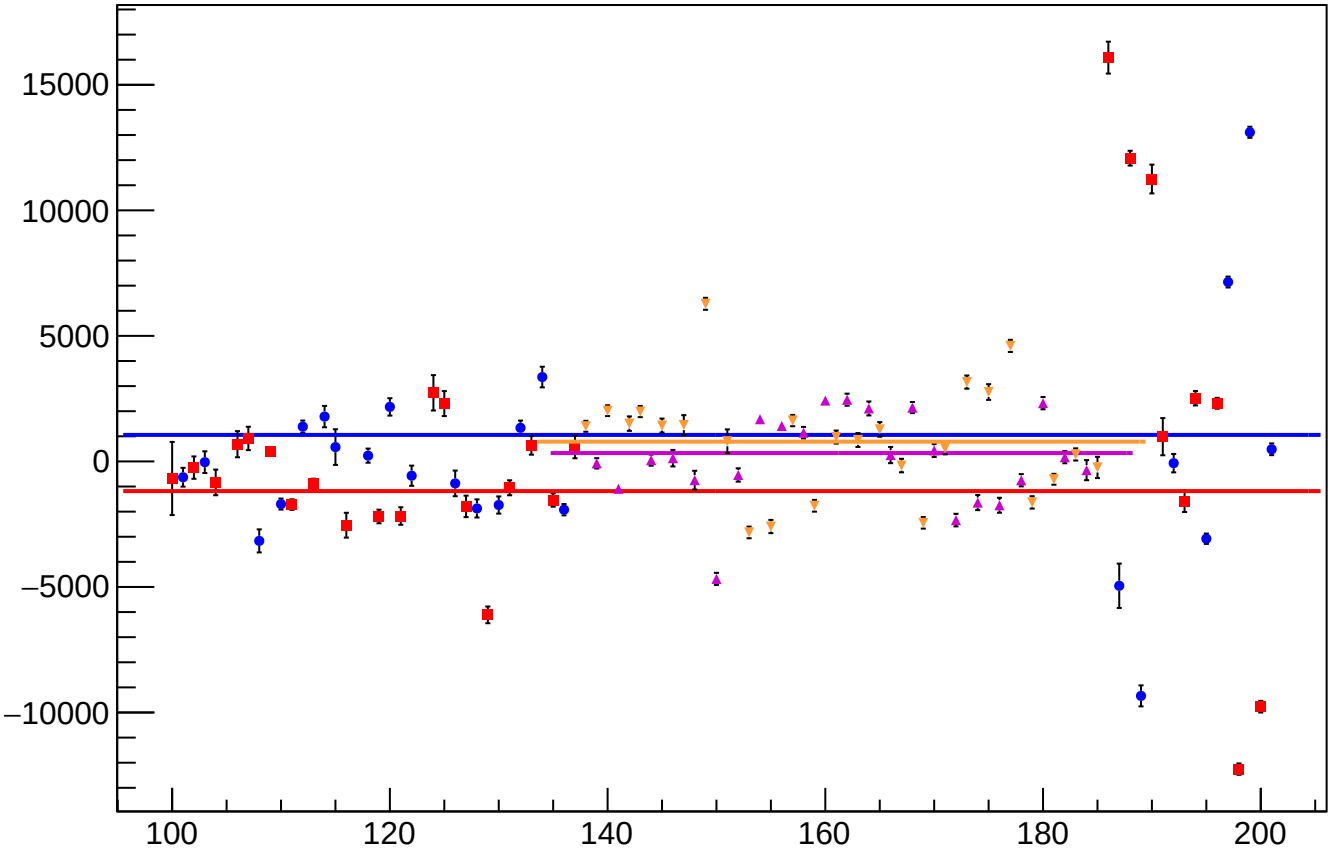
Right: 220.608+/-0.033 χ^2/NDF: 4795615.7/50

In: 209.394+/-0.028 χ^2/NDF:3105152.2/45

Out: 215.421+/-0.028 χ^2/NDF:3852022.6/52

All: 212.429+/-0.020 χ^2/NDF: 6980756.4/98

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: -1181.571+/-60.999 χ^2/NDF: 7914.5/27

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

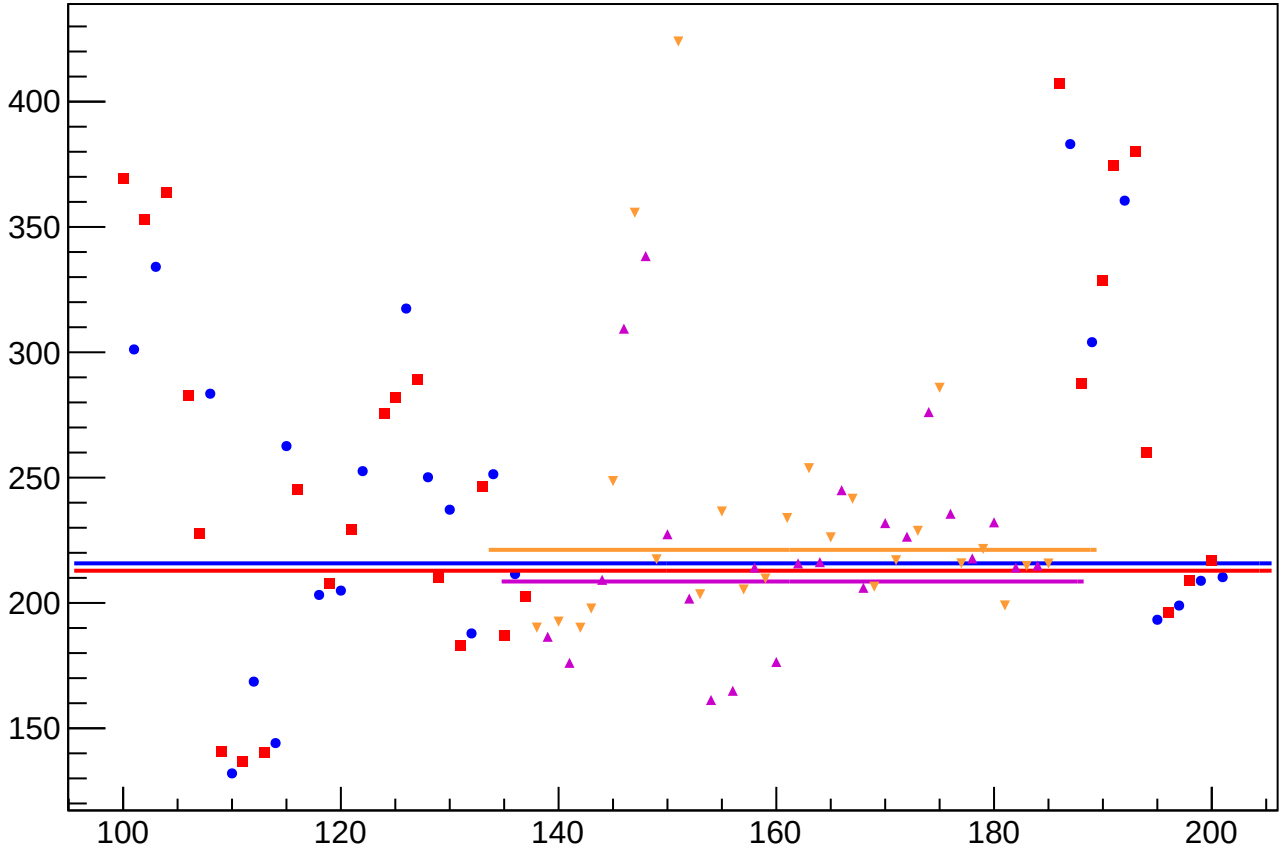
Right: -114.949+/-44.130 χ^2/NDF: 14047.6/50

In: 609.073+/-39.478 χ^2/NDF:6785.9/45

Out: -30.185+/-39.317 χ^2/NDF:10414.2/52

All: 288.143+/-27.858 χ^2/NDF: 17331.8/98

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: 212.861+/-0.043 χ^2/NDF: 2248176.0/27

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

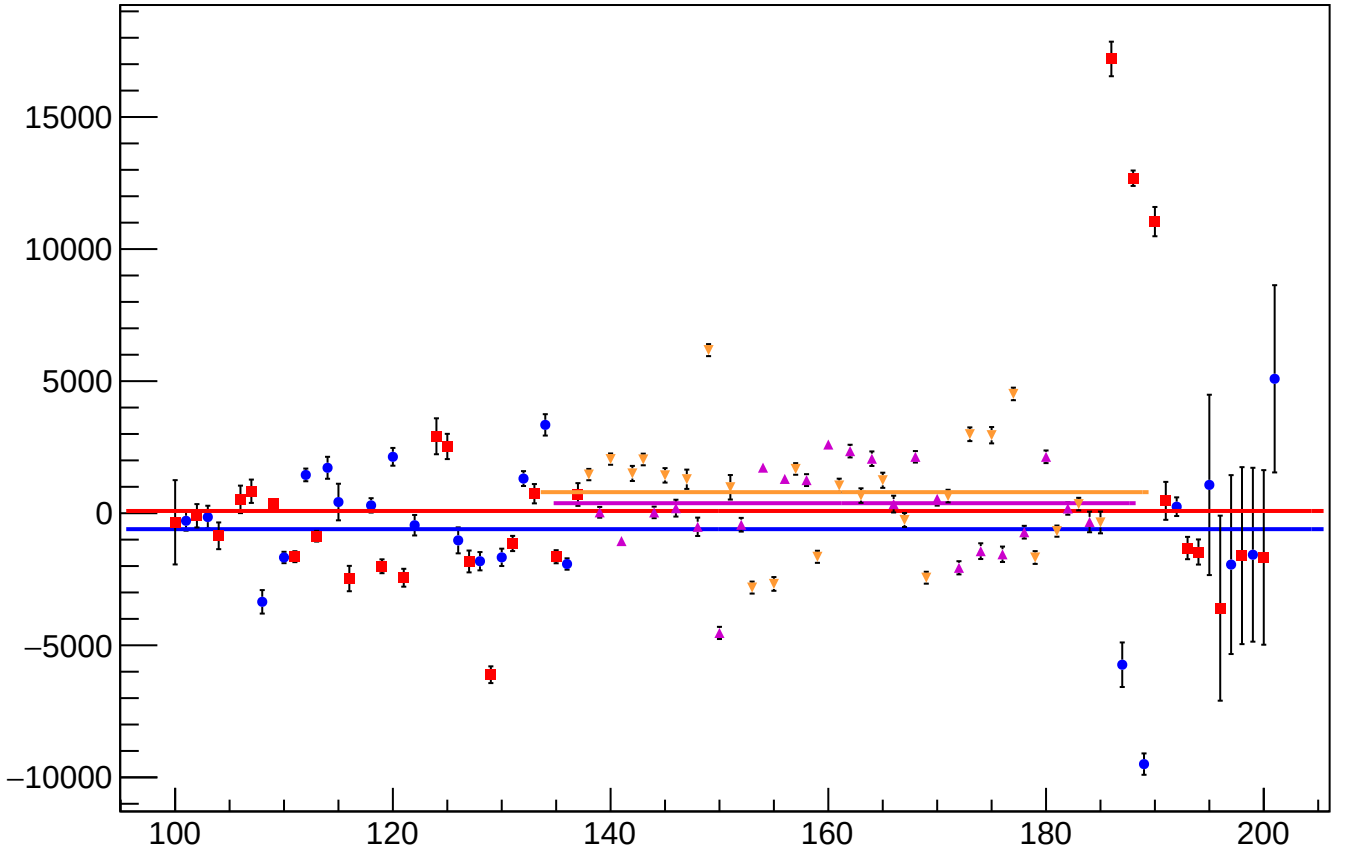
Right: 214.259+/-0.031 χ^2/NDF: 3652089.8/50

In: 211.317+/-0.028 χ^2/NDF:2453211.8/45

Out: 217.727+/-0.028 χ^2/NDF:3209468.5/52

All: 214.535+/-0.020 χ^2/NDF: 5689150.3/98

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: 84.947+/-68.143 χ^2/NDF: 3731.8/27

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

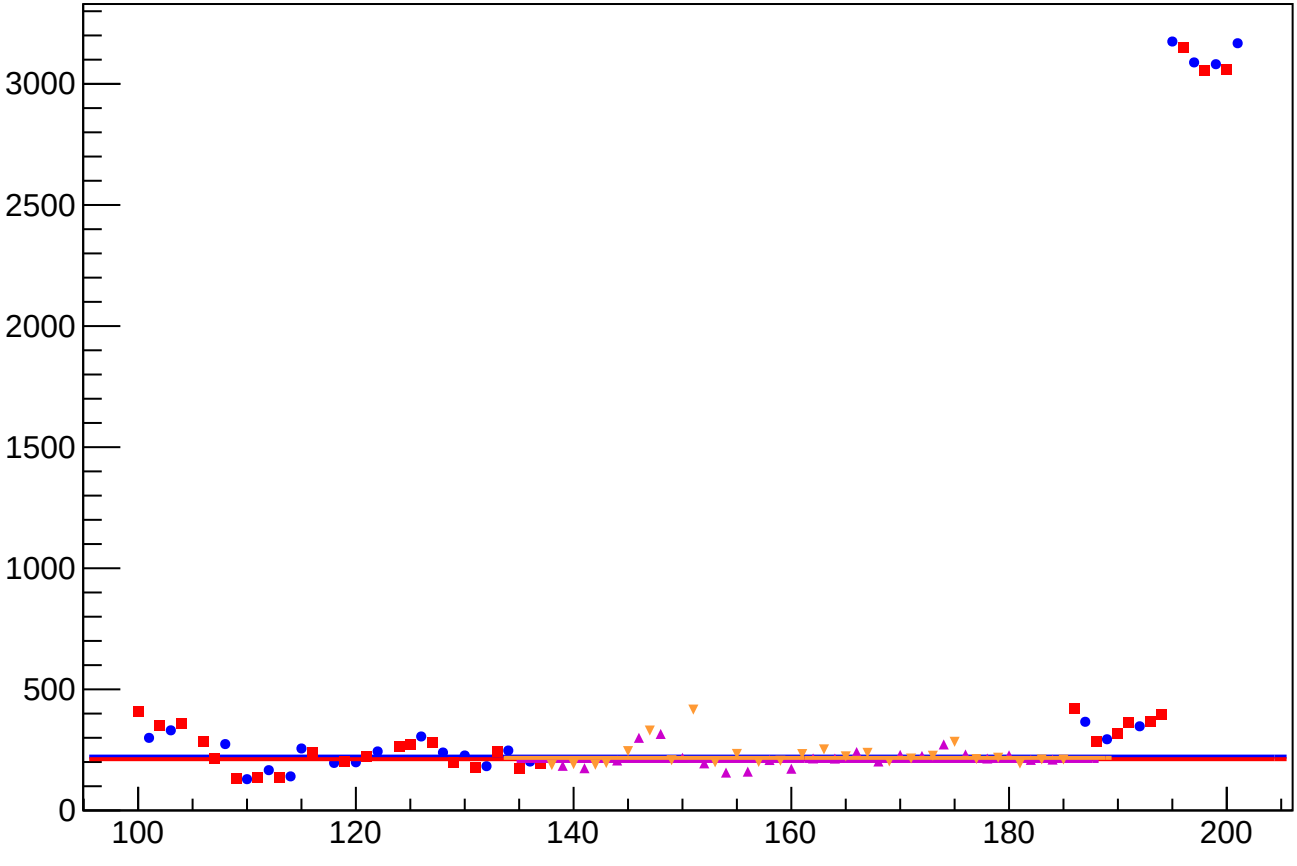
Right: -219.922+/-50.859 χ^2/NDF: 4756.5/50

In: 91.678+/-41.358 χ^2/NDF:2297.8/45

Out: 544.909+/-40.570 χ^2/NDF:5763.2/52

All: 322.649+/-28.962 χ^2/NDF: 8122.1/98

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: 211.708+/-0.048 χ^2/NDF: 6949546.6/27

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

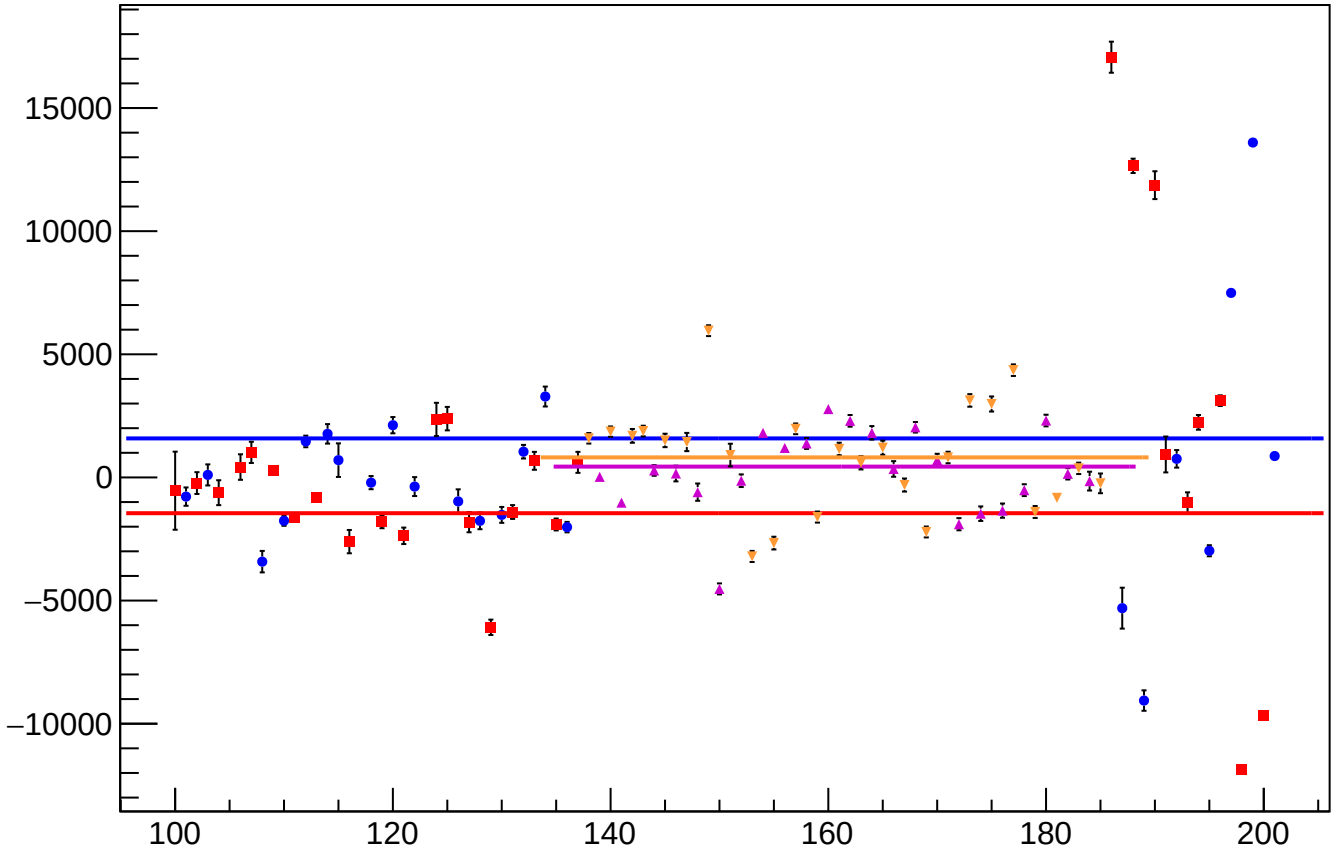
Right: 216.423+/-0.036 χ^2/NDF: 14128863.6/50

In: 209.594+/-0.029 χ^2/NDF:8251605.9/45

Out: 215.269+/-0.029 χ^2/NDF:7868452.0/52

All: 212.486+/-0.020 χ^2/NDF: 16139251.5/98

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: -1452.184+/-57.407 χ^2/NDF: 9396.0/27

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

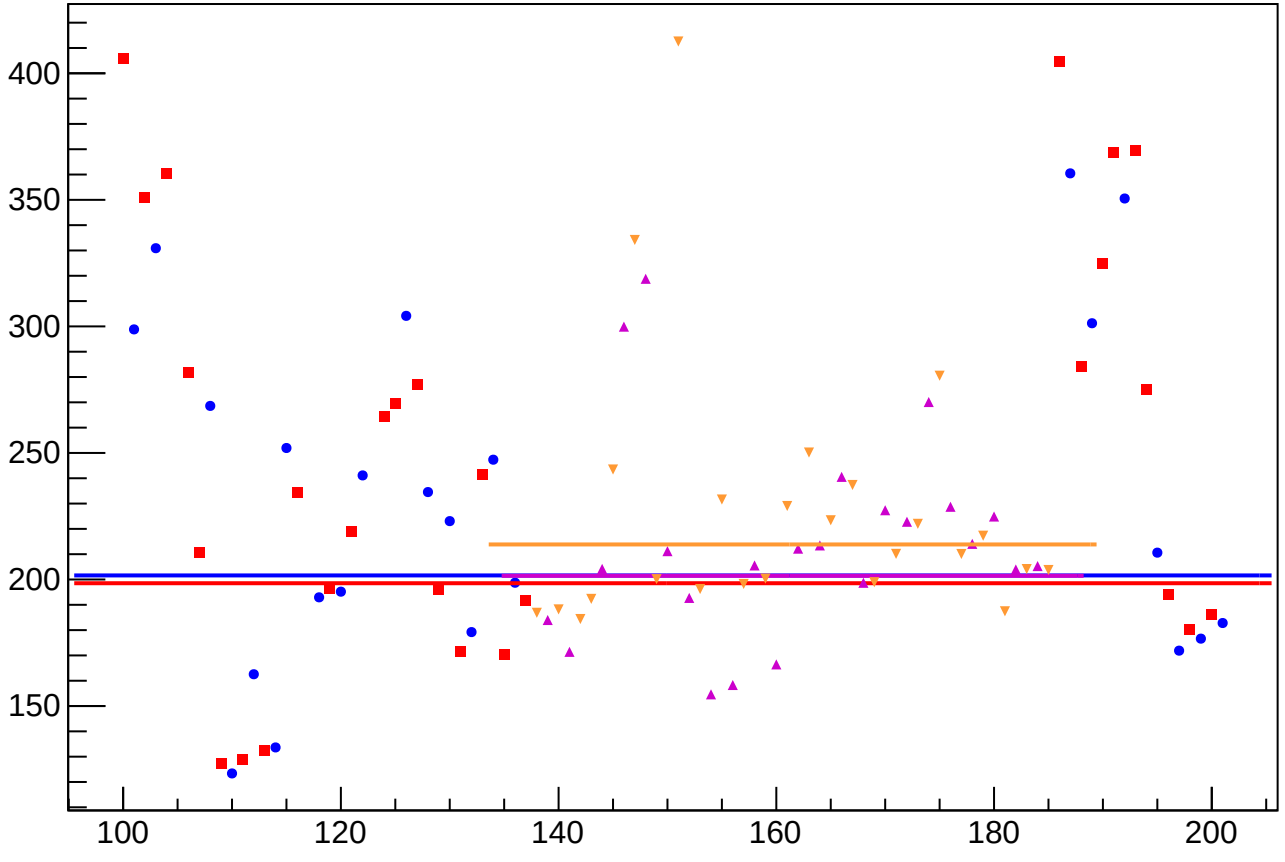
Right: -5.441+/-41.540 χ^2/NDF: 17927.3/50

In: 890.879+/-37.781 χ^2/NDF:8652.4/45

Out: -158.037+/-37.601 χ^2/NDF:12286.4/52

All: 363.916+/-26.651 χ^2/NDF: 21326.1/98

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: 198.528+/-0.041 χ^2/NDF: 2627893.2/27

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

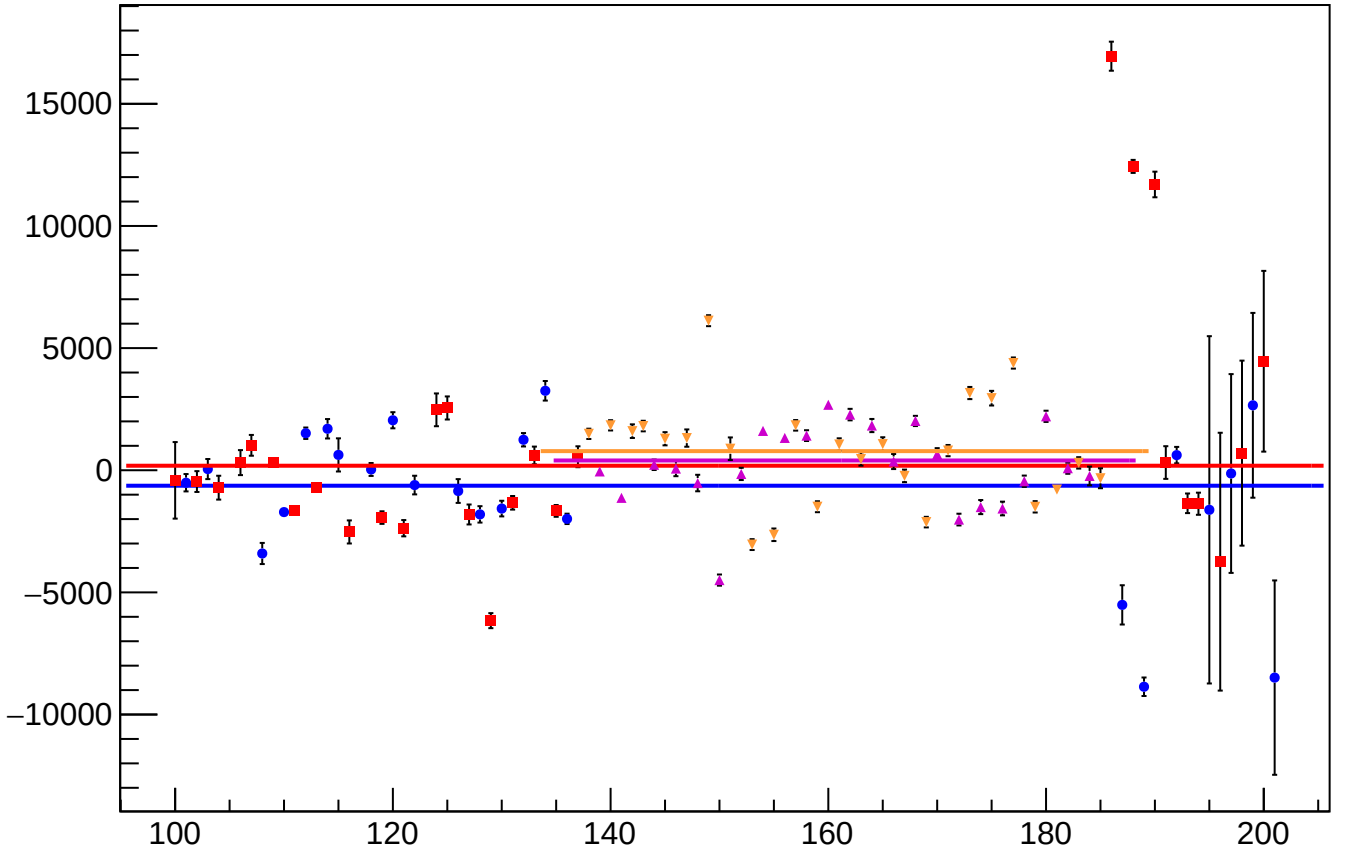
Right: 199.995+/-0.029 χ^2/NDF: 4231319.5/50

In: 201.510+/-0.027 χ^2/NDF:2662664.5/45

Out: 207.276+/-0.027 χ^2/NDF:3672805.6/52

All: 204.406+/-0.019 χ^2/NDF: 6358874.6/98

asym_bpm0l08WS_mean vs Slug, Sign Corrected



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: 184.991+/-65.456 χ^2/NDF: 4273.8/27

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

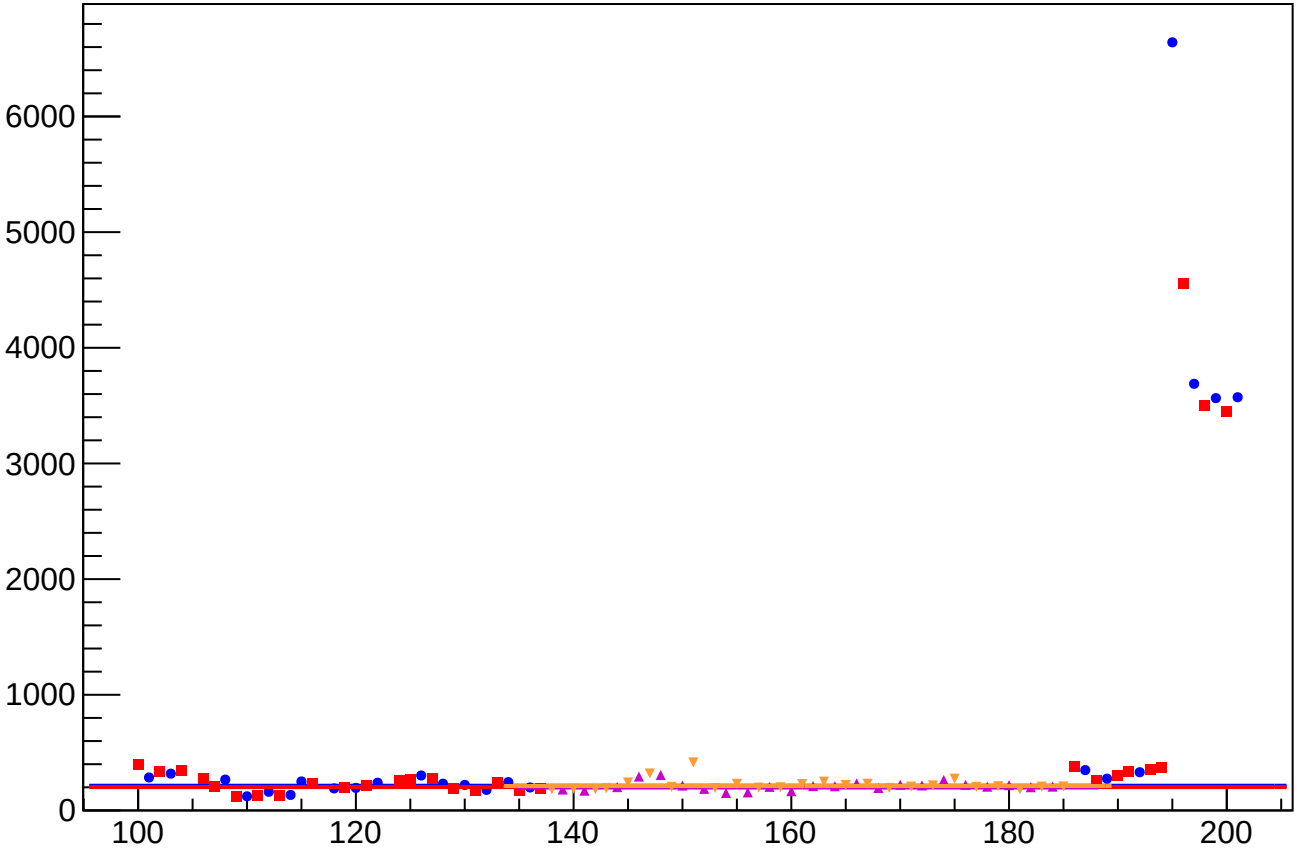
Right: -174.219+/-49.035 χ^2/NDF: 5339.6/50

In: 95.520+/-40.166 χ^2/NDF:2366.6/45

Out: 566.725+/-39.328 χ^2/NDF:6328.3/52

All: 336.090+/-28.101 χ^2/NDF: 8765.2/98

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: 202.198+/-0.046 χ^2/NDF: 7011452.3/27

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

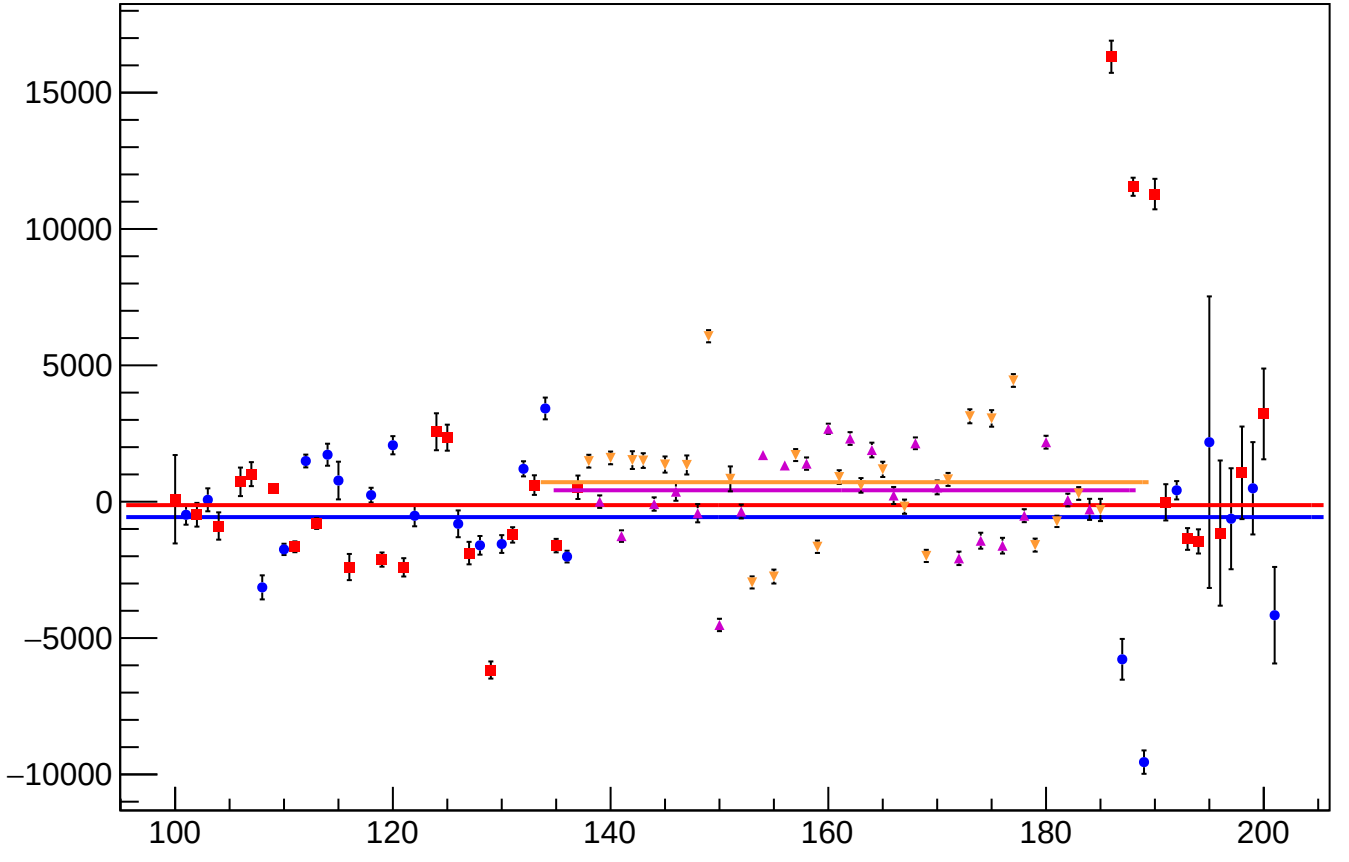
Right: 207.278+/-0.035 χ^2/NDF: 14463823.0/50

In: 203.015+/-0.028 χ^2/NDF:8491272.4/45

Out: 208.139+/-0.028 χ^2/NDF:7972216.7/52

All: 205.631+/-0.020 χ^2/NDF: 16480107.5/98

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: -125.583+/-67.186 χ^2/NDF: 3163.2/27

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

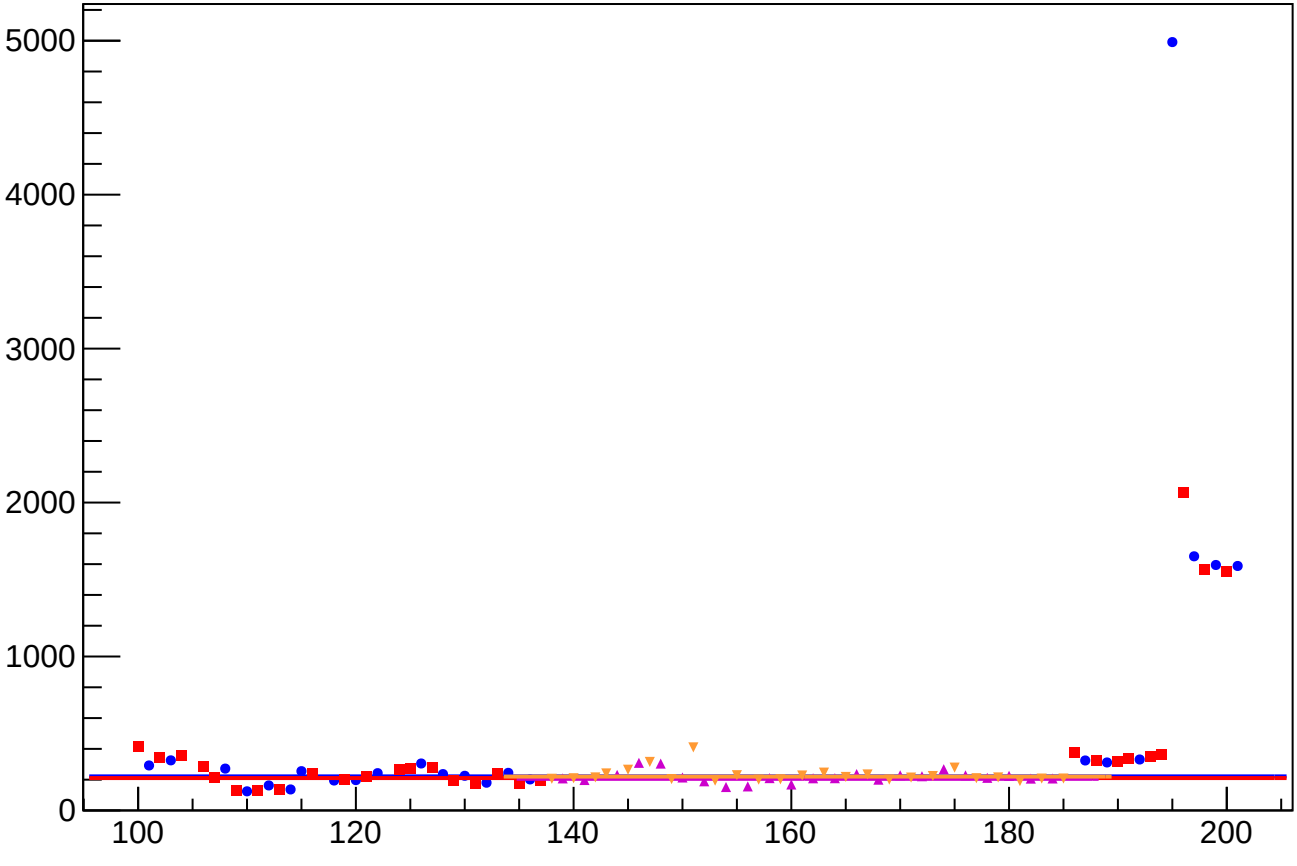
Right: -320.918+/-50.067 χ^2/NDF: 4140.0/50

In: 120.433+/-41.341 χ^2/NDF:2318.3/45

Out: 407.276+/-40.678 χ^2/NDF:5180.5/52

All: 266.173+/-28.995 χ^2/NDF: 7523.2/98

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: 210.384+/-0.048 χ^2/NDF: 6242240.3/27

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

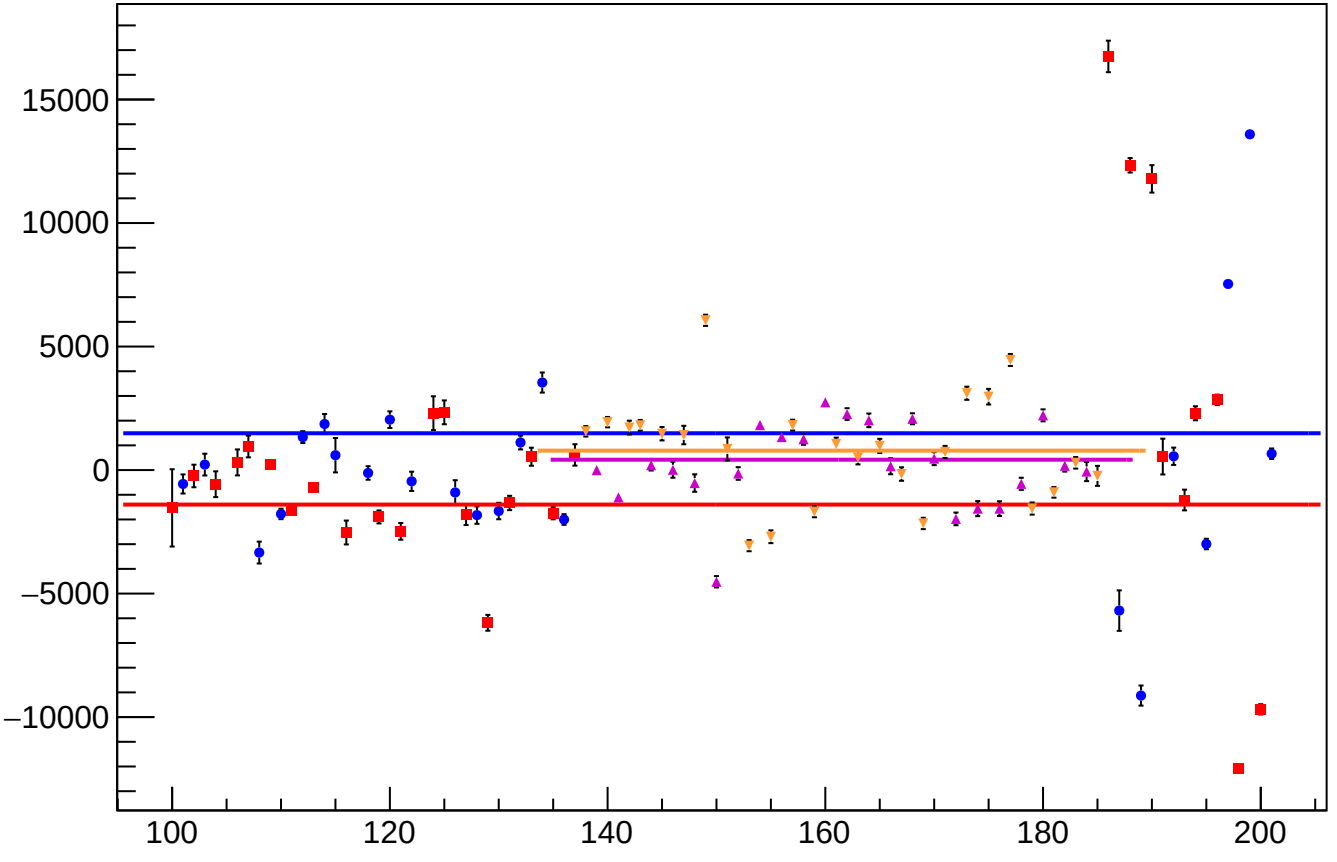
Right: 215.251+/-0.035 χ^2/NDF: 12946687.0/50

In: 210.286+/-0.029 χ^2/NDF:7756897.5/45

Out: 216.567+/-0.029 χ^2/NDF:7068678.0/52

All: 213.477+/-0.021 χ^2/NDF: 14849034.9/98

asym_bpm0l10WS_mean vs Slug, Sign Corrected



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: -1397.212+/-58.465 χ^2/NDF: 9022.2/27

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

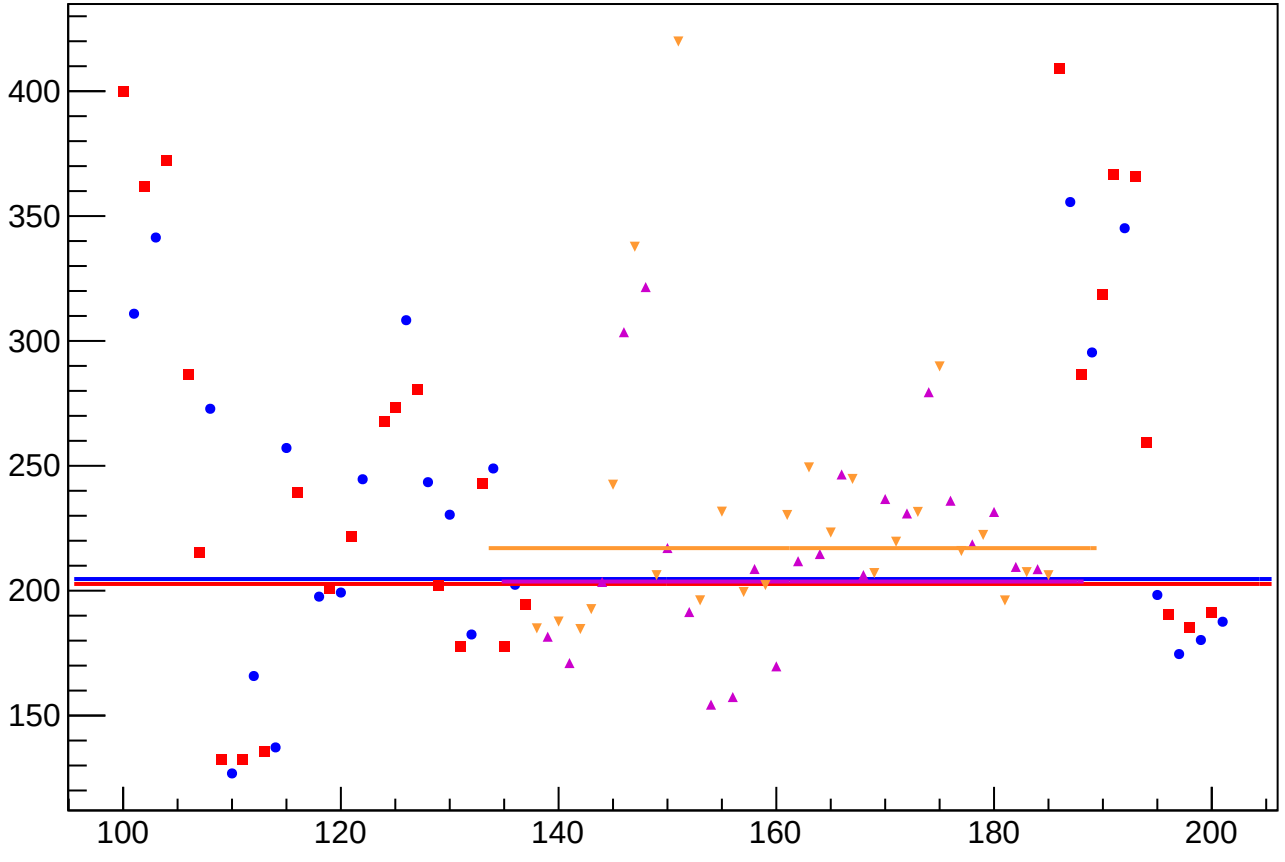
Right: -16.218+/-42.227 χ^2/NDF: 17229.3/50

In: 839.996+/-38.287 χ^2/NDF:8438.4/45

Out: -146.846+/-38.228 χ^2/NDF:11758.7/52

All: 345.809+/-27.052 χ^2/NDF: 20529.8/98

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: 202.694+/-0.041 χ^2/NDF: 2467803.0/27

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

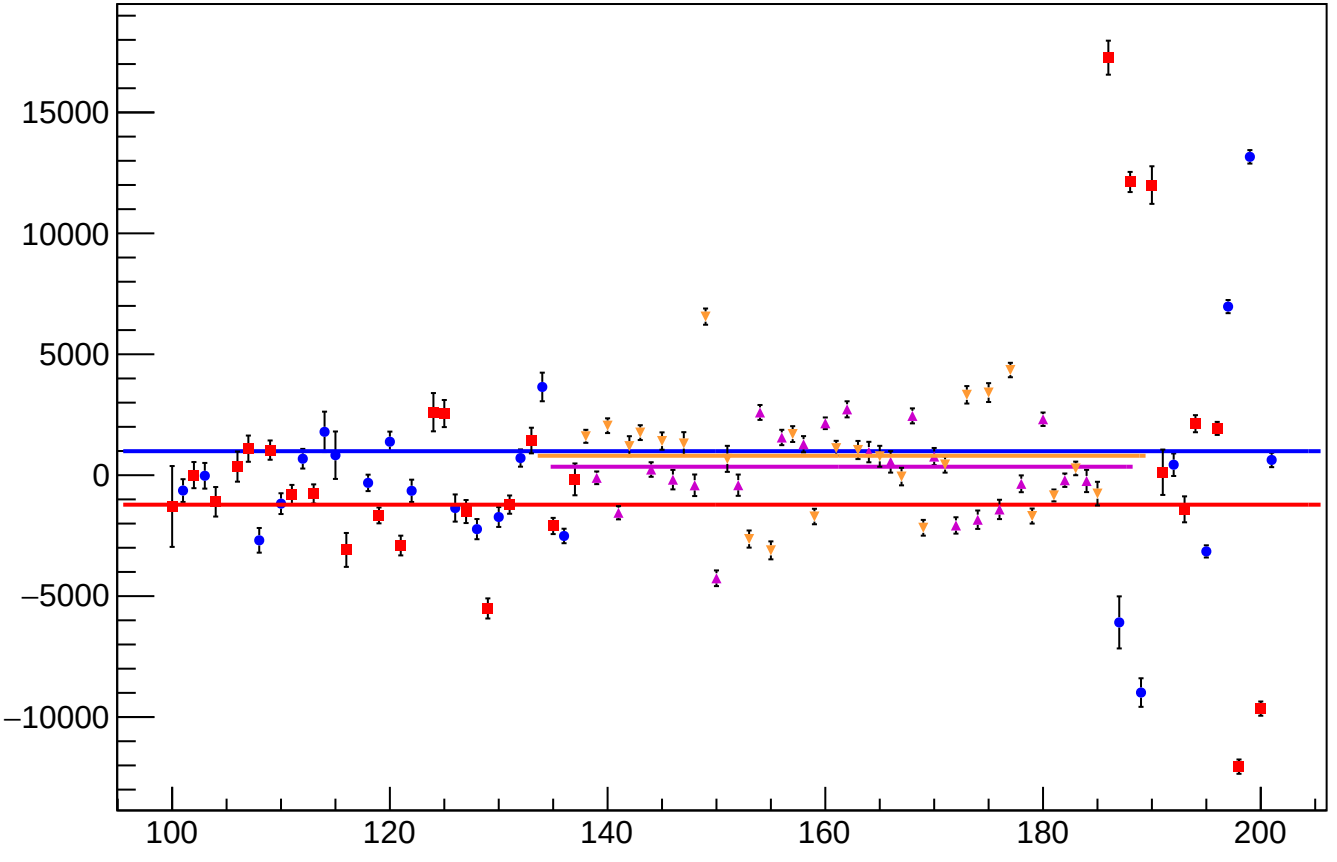
Right: 203.640+/-0.030 χ^2/NDF: 4014251.5/50

In: 204.057+/-0.027 χ^2/NDF:2711022.6/45

Out: 210.907+/-0.027 χ^2/NDF:3519907.3/52

All: 207.487+/-0.019 χ^2/NDF: 6262983.8/98

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: -1218.903+/-83.296 χ^2/NDF: 4697.1/27

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

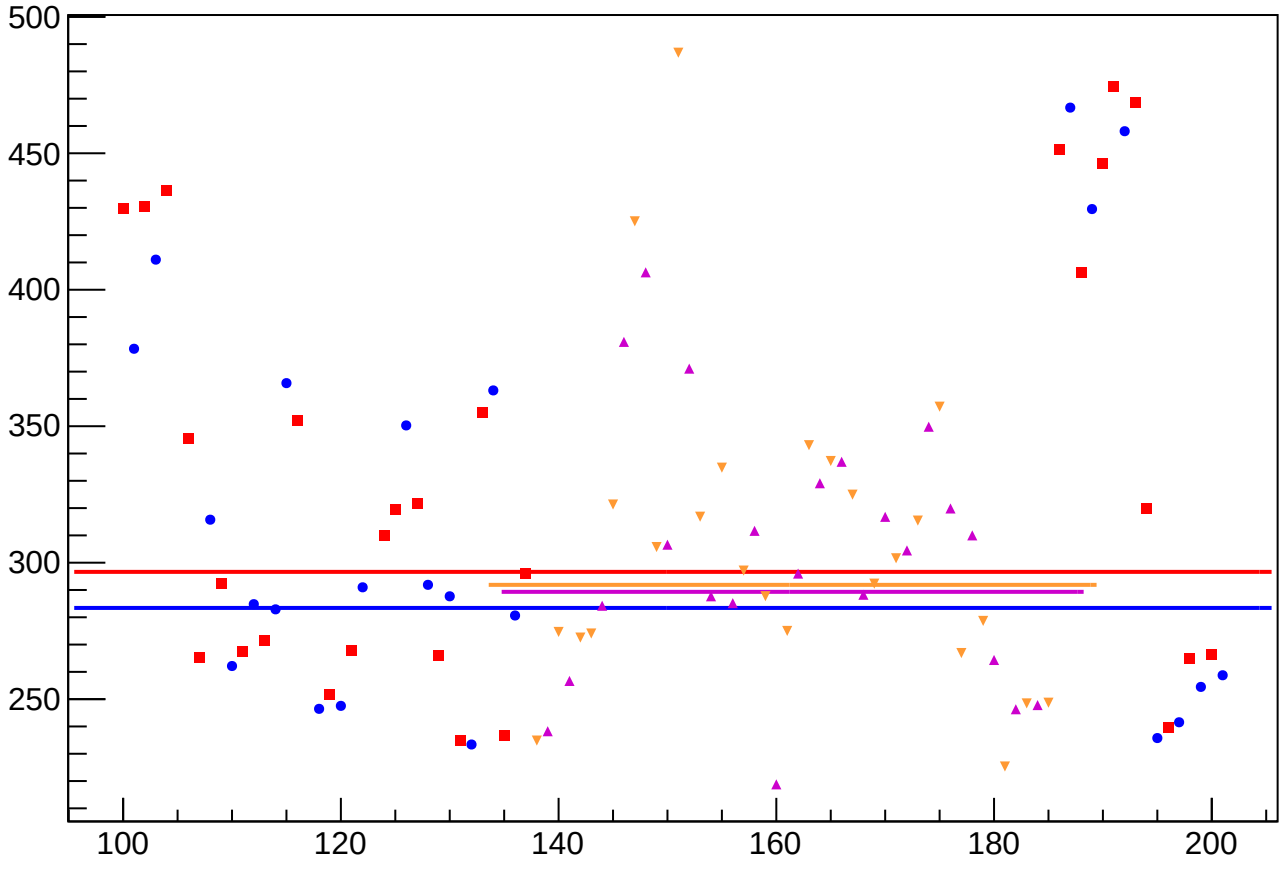
Right: -116.049+/-58.986 χ^2/NDF: 8436.6/50

In: 610.877+/-53.193 χ^2/NDF:4079.2/45

Out: -0.766+/-52.533 χ^2/NDF:6109.9/52

All: 301.234+/-37.378 χ^2/NDF: 10256.0/98

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: 296.637+/-0.059 χ^2/NDF: 1229752.0/27

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

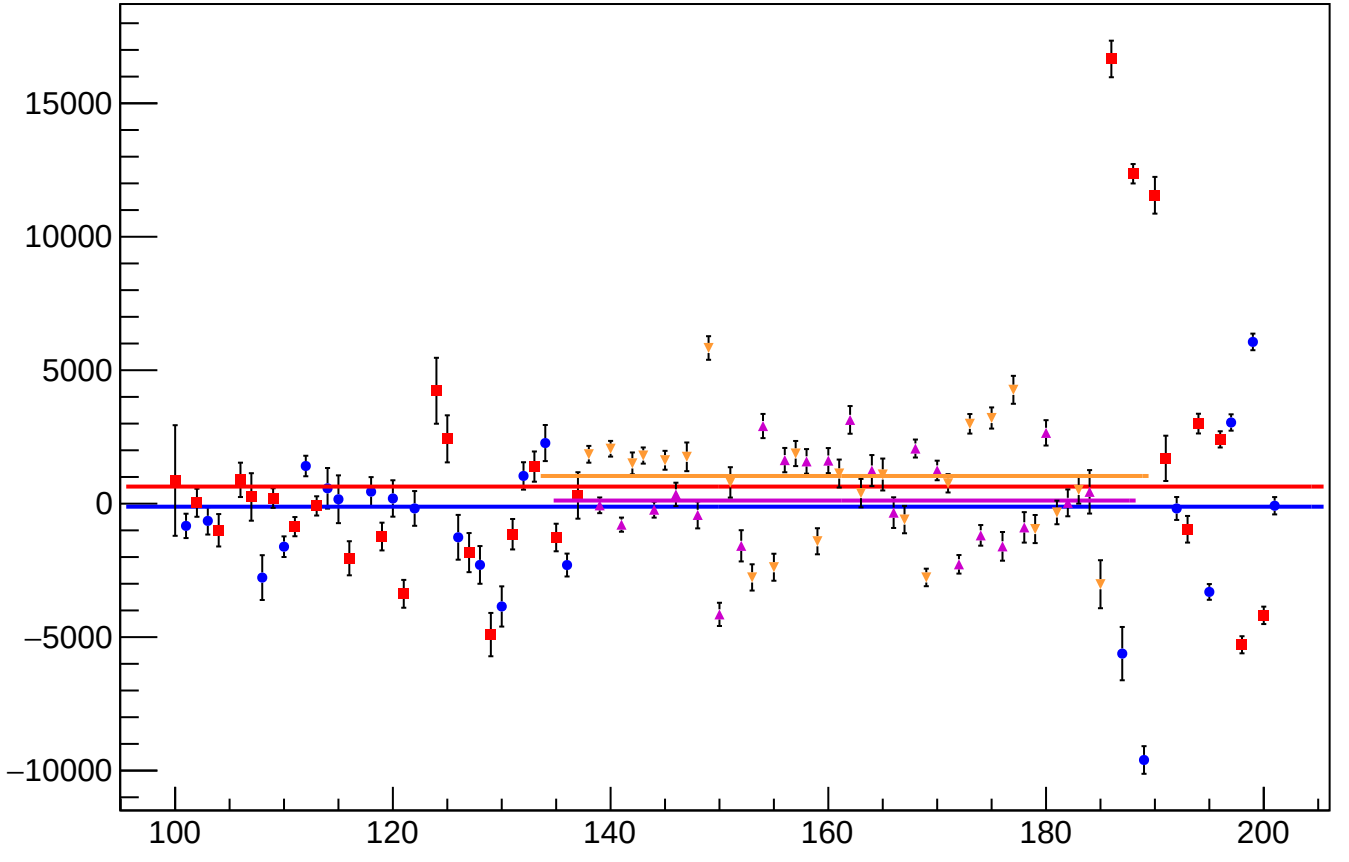
Right: 290.051+/-0.042 χ^2/NDF: 2238539.1/50

In: 286.931+/-0.038 χ^2/NDF:1798230.2/45

Out: 293.774+/-0.037 χ^2/NDF:2193596.6/52

All: 290.395+/-0.026 χ^2/NDF: 4008582.1/98

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: 640.526+/-93.651 χ^2/NDF: 2703.1/27

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

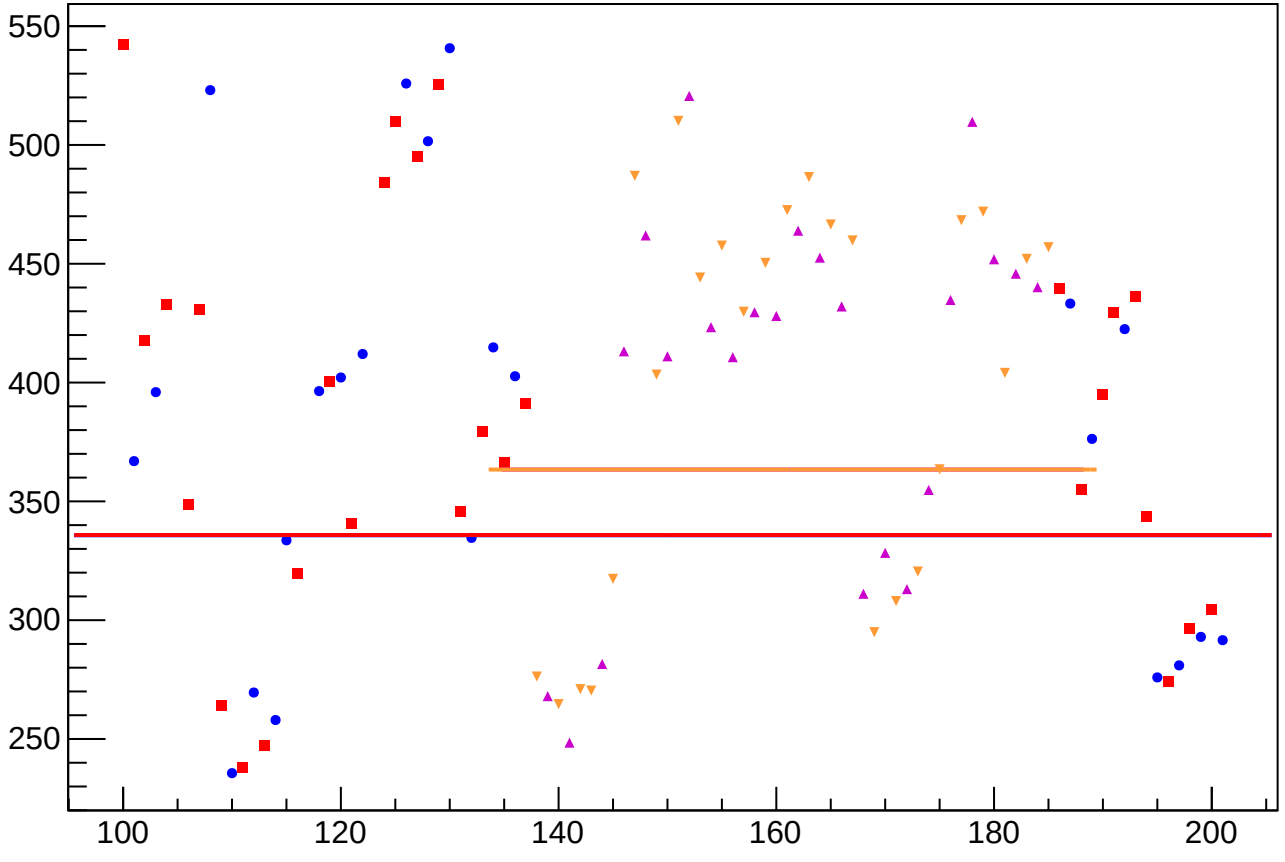
Right: 282.561+/-67.860 χ^2/NDF: 3844.4/50

In: 15.612+/-65.391 χ^2/NDF:1484.0/45

Out: 857.636+/-63.022 χ^2/NDF:3283.1/52

All: 452.151+/-45.378 χ^2/NDF: 4853.1/98

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: 335.832+/-0.066 χ^2/NDF: 1161788.6/27

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

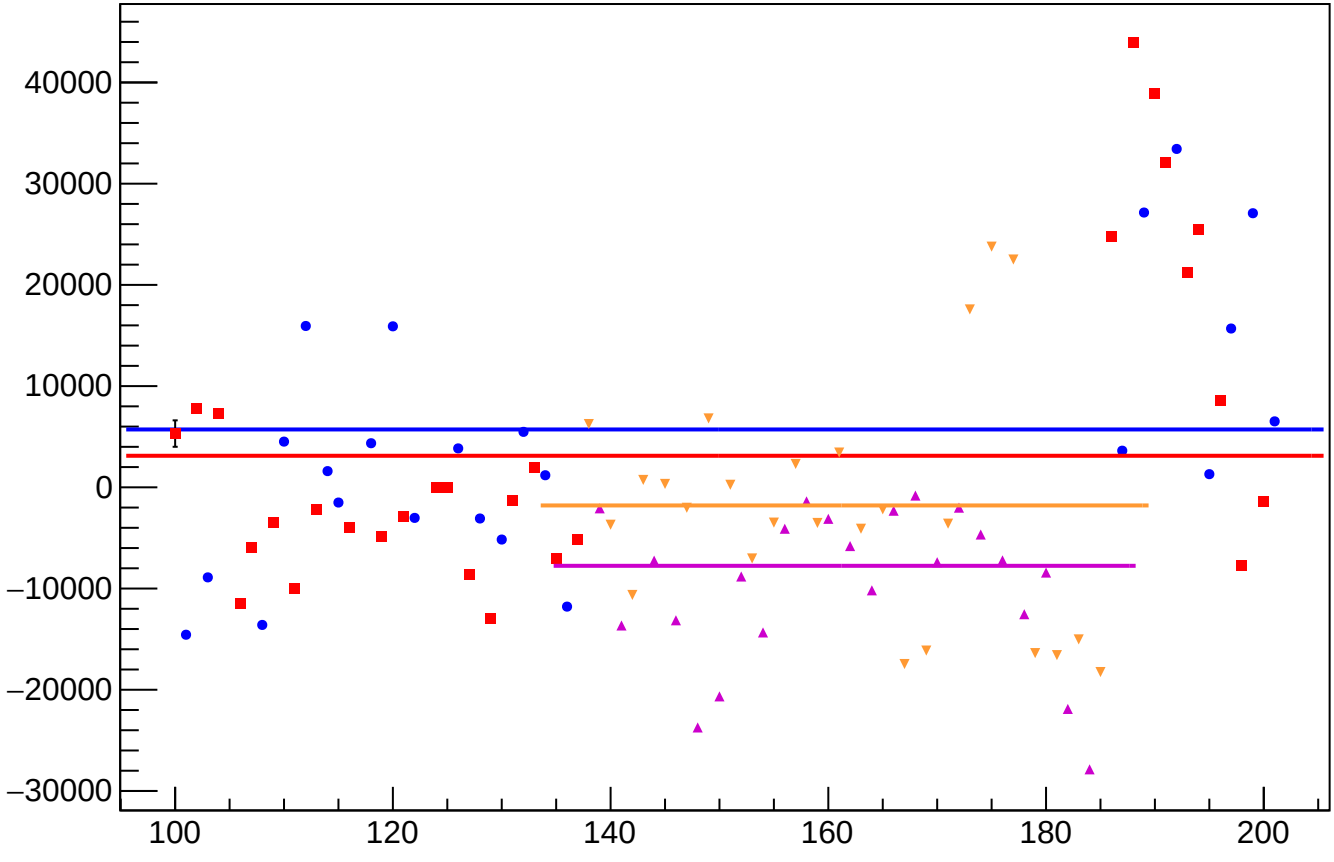
Right: 335.787+/-0.048 χ^2/NDF: 2355237.3/50

In: 351.193+/-0.046 χ^2/NDF:2993189.0/45

Out: 350.908+/-0.045 χ^2/NDF:3197022.6/52

All: 351.046+/-0.032 χ^2/NDF: 6190231.2/98

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: 3117.391+/-42.139 χ^2/NDF: 132985.0/27

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

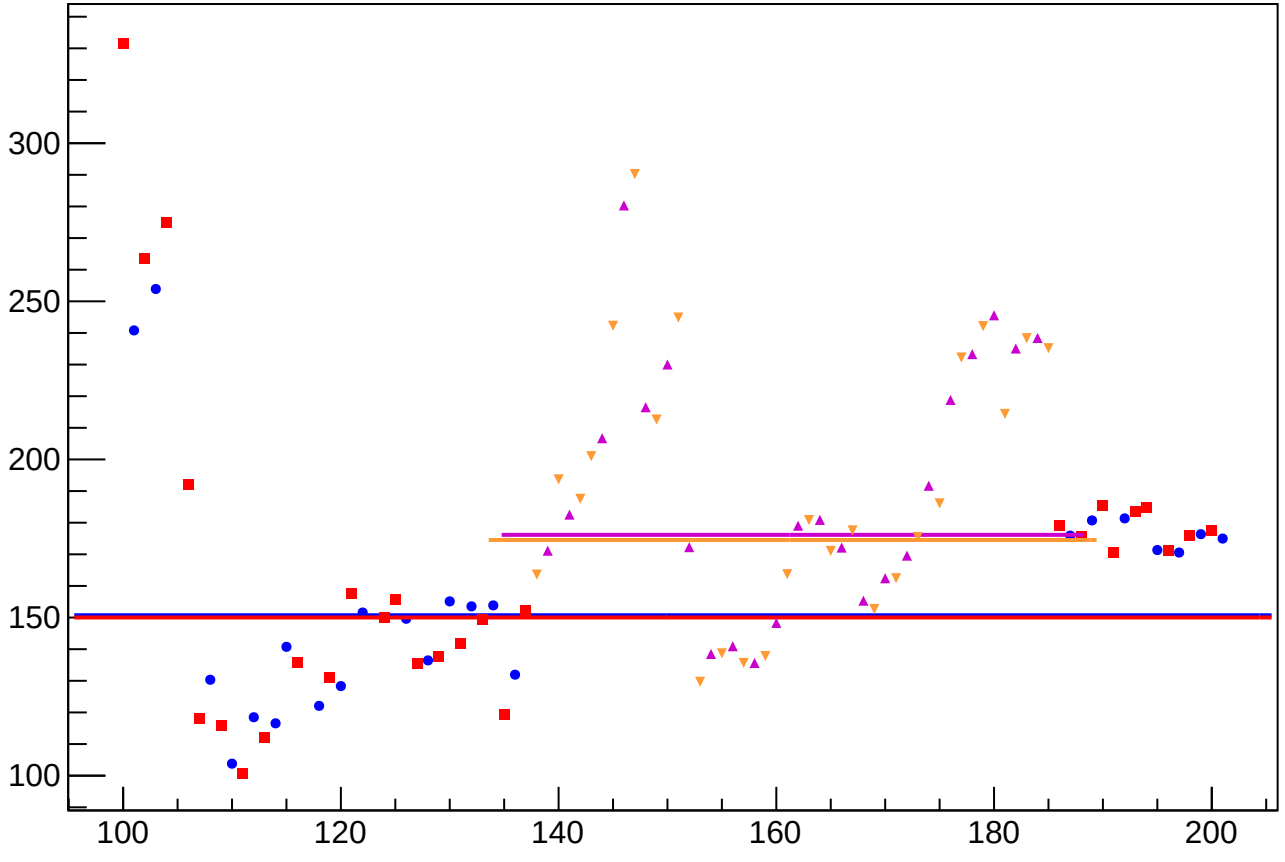
Right: 4347.067+/-30.590 χ^2/NDF: 222964.5/50

In: -1313.390+/-30.754 χ^2/NDF:159335.7/45

Out: 590.931+/-29.353 χ^2/NDF:205713.5/52

All: -316.869+/-21.233 χ^2/NDF: 367055.7/98

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: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

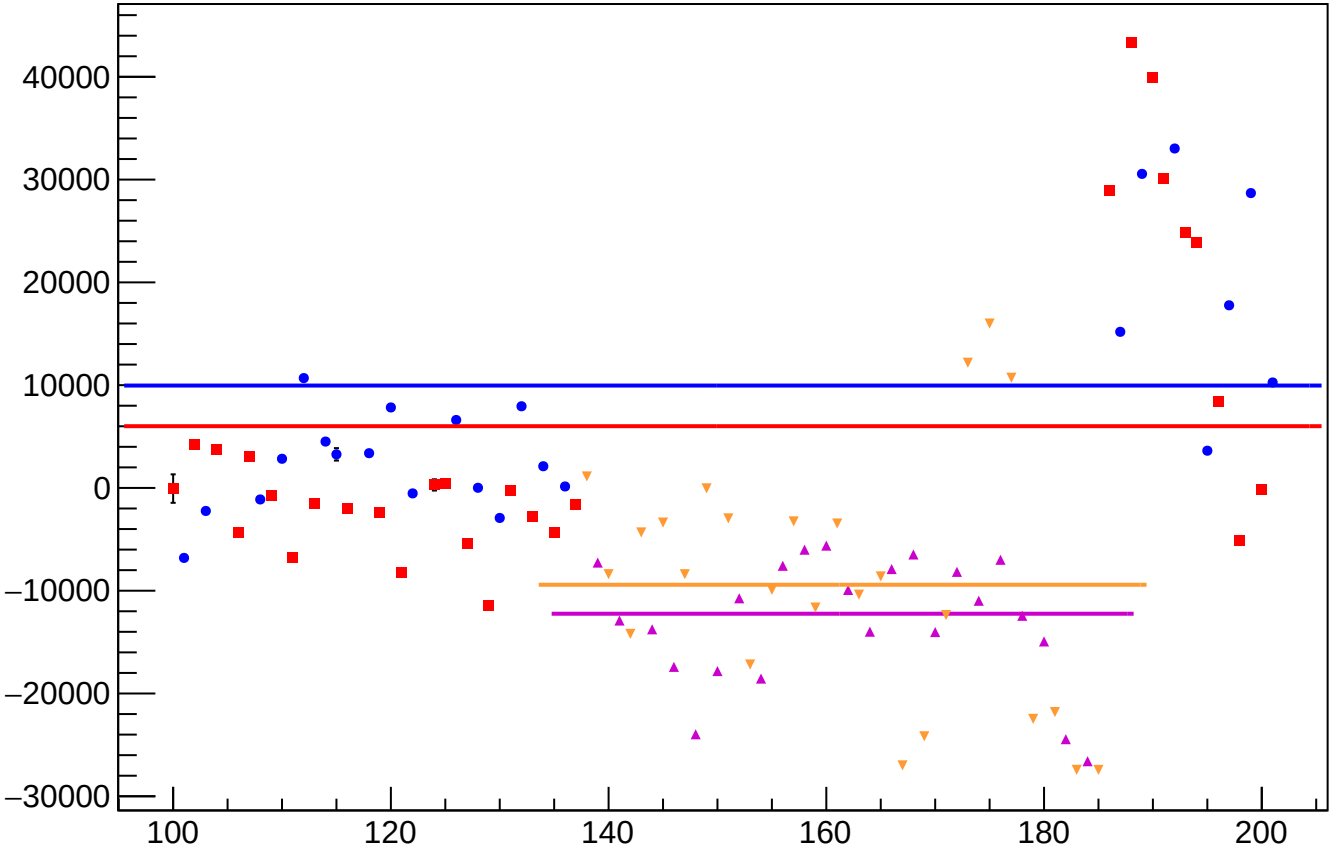
Right: 150.359+/-0.022 χ^2/NDF: 2329304.4/50

In: 163.999+/-0.022 χ^2/NDF:2672444.6/45

Out: 162.635+/-0.021 χ^2/NDF:3372096.8/52

All: 163.285+/-0.015 χ^2/NDF: 6046602.1/98

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9961.689+/-51.637 χ^2/NDF: 48092.3/22

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6006.725+/-48.510 χ^2/NDF: 103373.4/27

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

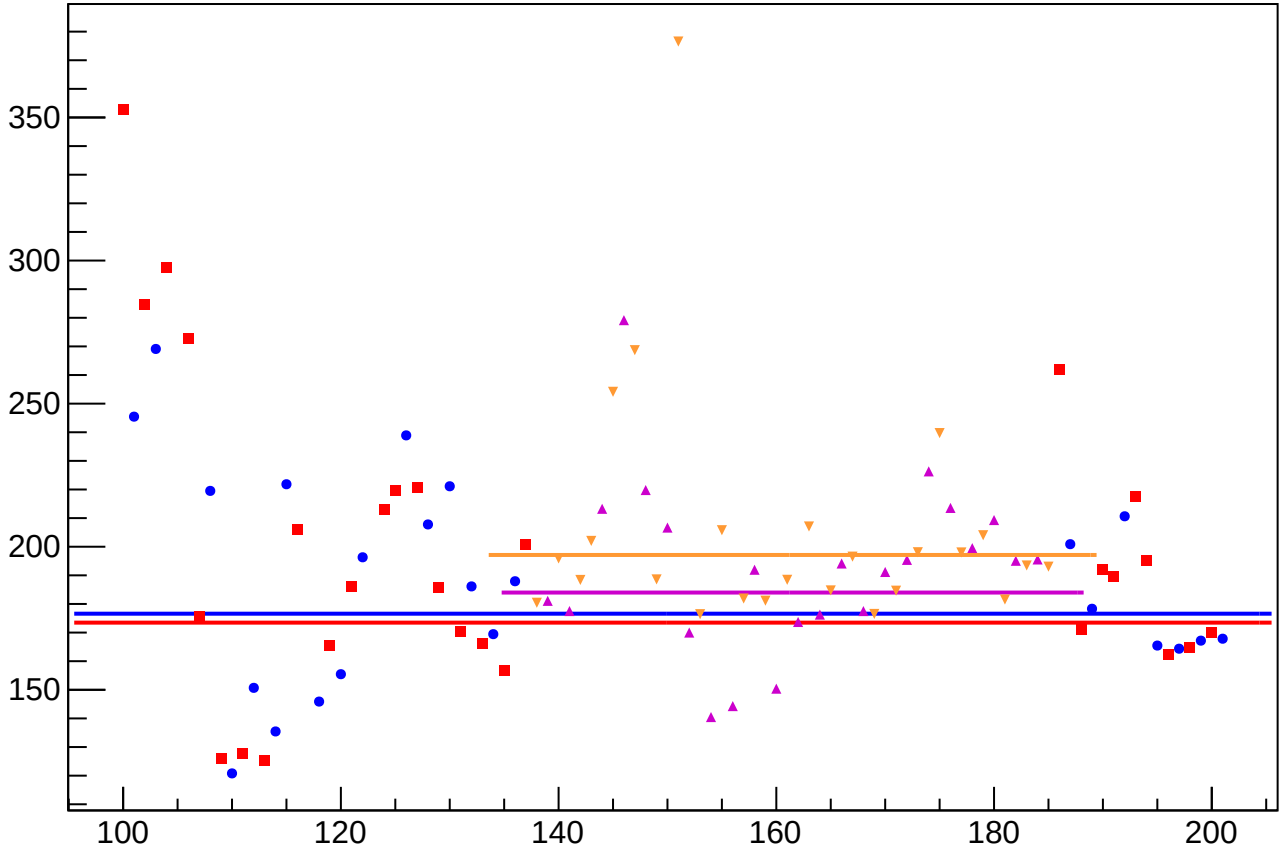
Right: 7860.838+/-35.355 χ^2/NDF: 154581.8/50

In: -2852.067+/-33.576 χ^2/NDF:170797.7/45

Out: -2166.743+/-33.263 χ^2/NDF:221675.8/52

All: -2506.193+/-23.630 χ^2/NDF: 392683.7/9

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: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

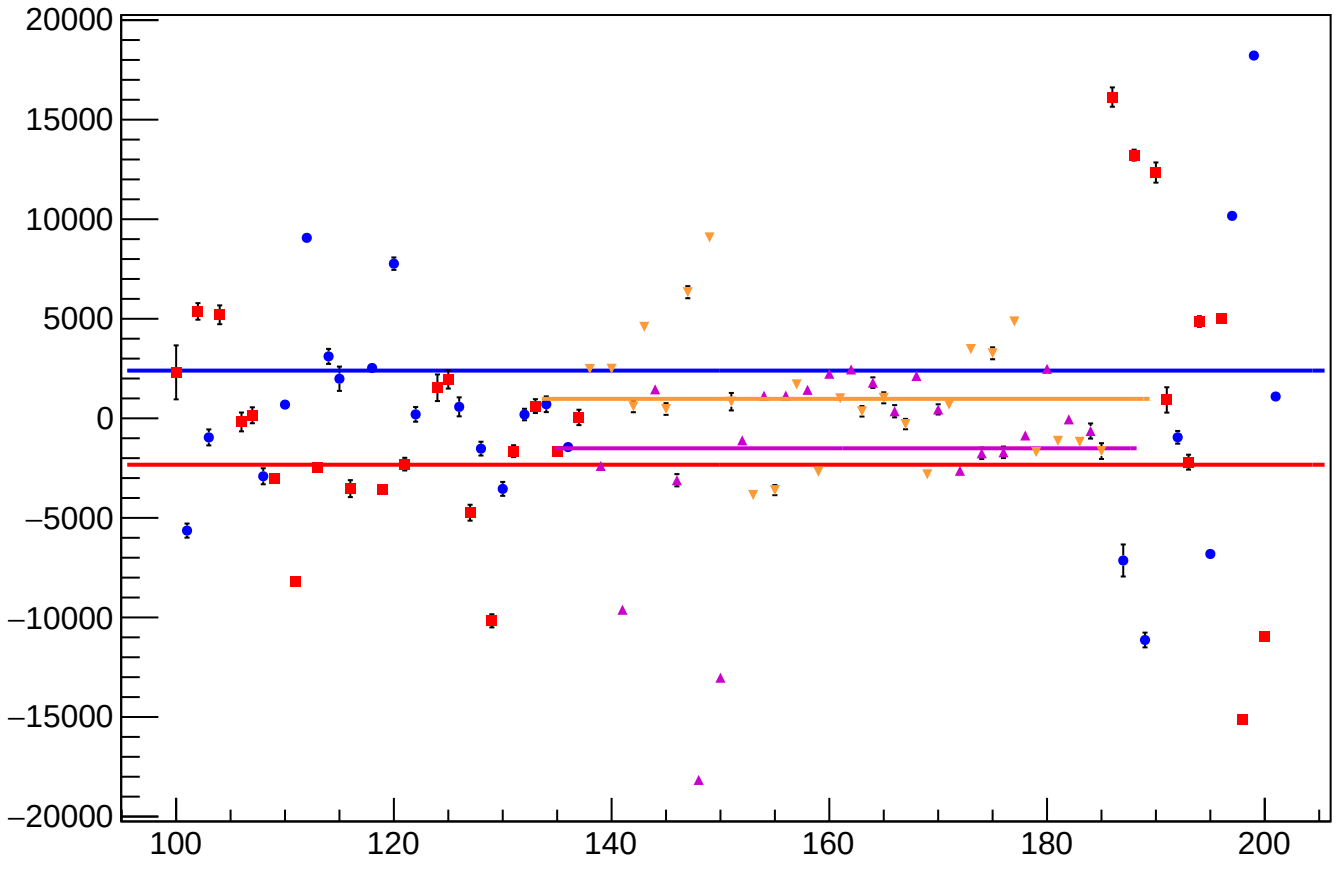
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.938+/-0.025 χ^2/NDF: 1956658.5/50

In: 180.862+/-0.024 χ^2/NDF:1612894.5/45

Out: 186.003+/-0.024 χ^2/NDF:2177640.9/52

All: 183.457+/-0.017 χ^2/NDF: 3814202.8/98



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: -2329.786+/-54.964 χ^2/NDF: 16208.1/27

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

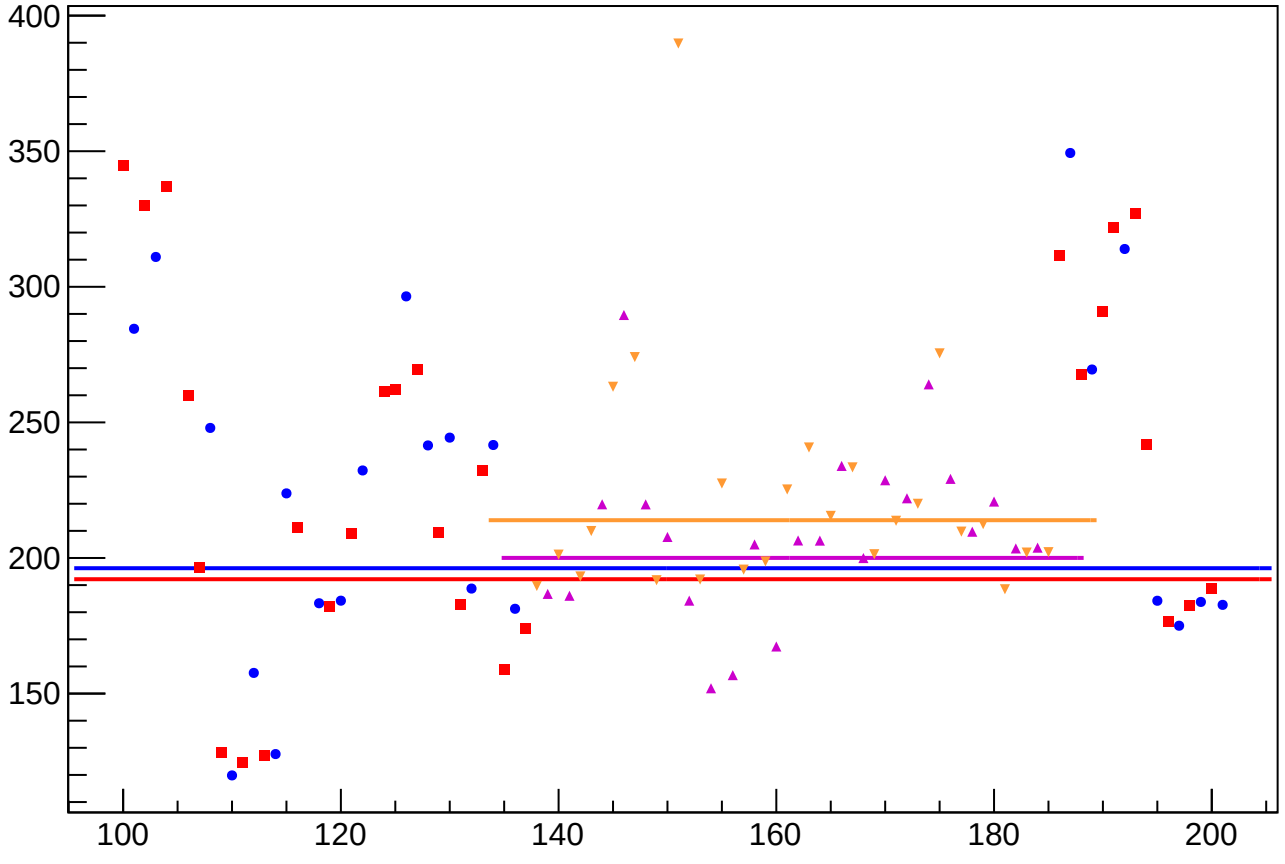
Right: -99.005+/-39.944 χ^2/NDF: 34685.5/50

In: 78.568+/-37.041 χ^2/NDF:29144.1/45

Out: -506.645+/-36.826 χ^2/NDF:22527.5/52

All: -215.740+/-26.116 χ^2/NDF: 51797.1/98

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: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

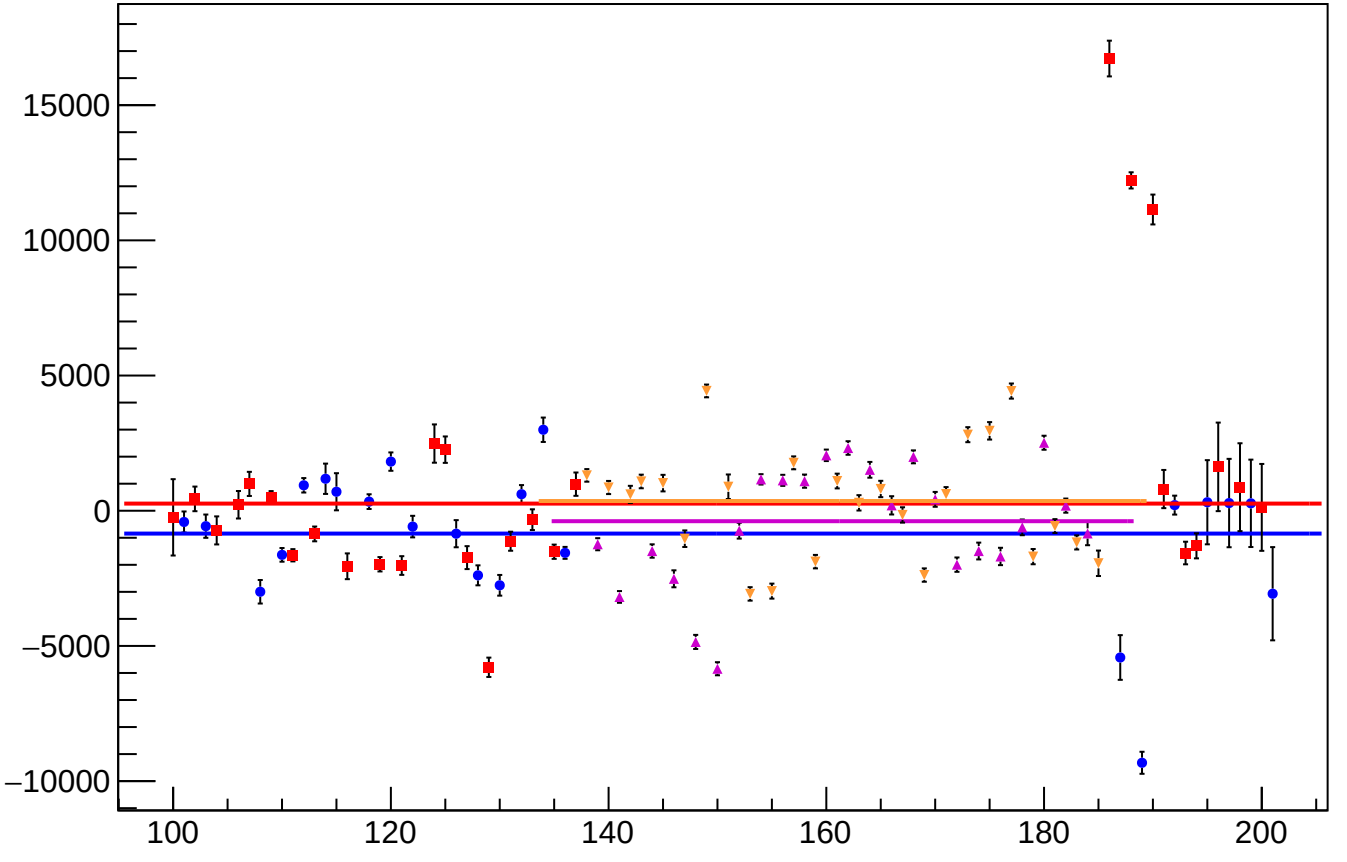
Right: 194.087+/-0.028 χ^2/NDF: 3677783.2/50

In: 198.489+/-0.026 χ^2/NDF:2229603.6/45

Out: 204.163+/-0.026 χ^2/NDF:3140011.2/52

All: 201.343+/-0.018 χ^2/NDF: 5393220.2/98

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: 264.191+/-73.948 χ^2/NDF: 3268.9/27

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

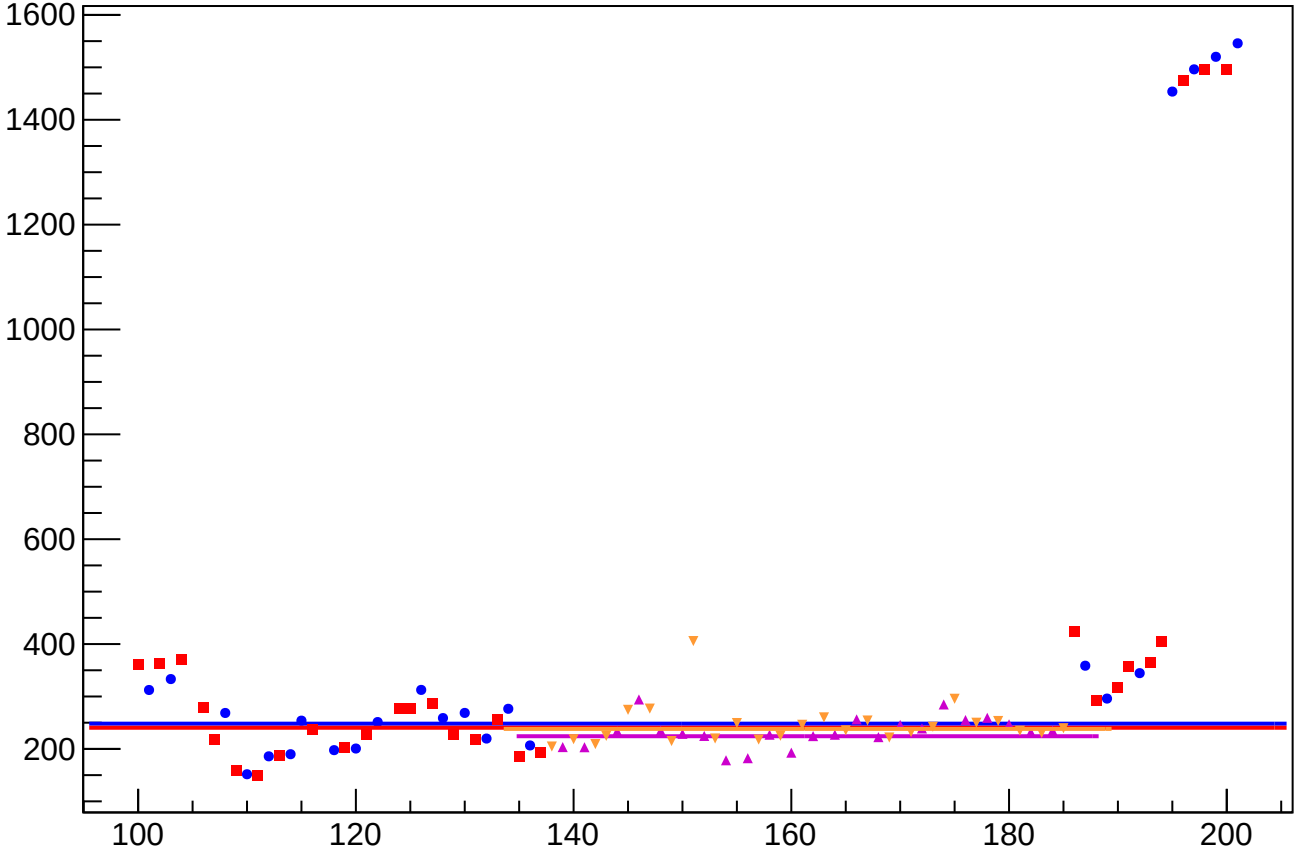
Right: -236.016+/-54.791 χ^2/NDF: 4169.8/50

In: -524.752+/-44.755 χ^2/NDF:2625.6/45

Out: 325.033+/-44.127 χ^2/NDF:4688.8/52

All: -93.855+/-31.422 χ^2/NDF: 7497.2/98

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: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

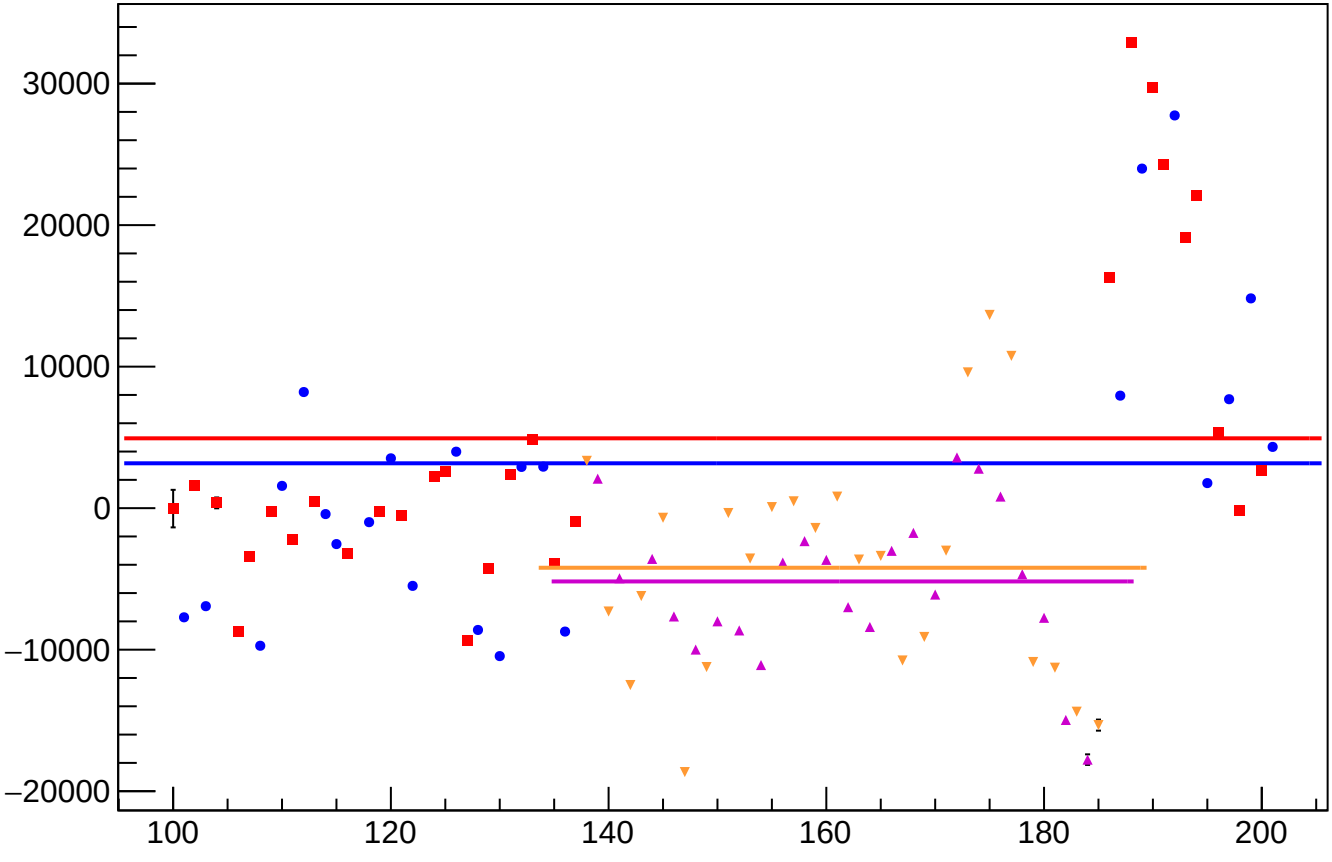
Right: 243.893+/-0.039 χ^2/NDF: 11240331.2/50

In: 231.420+/-0.032 χ^2/NDF:6437503.7/45

Out: 238.977+/-0.031 χ^2/NDF:6045646.4/52

All: 235.252+/-0.022 χ^2/NDF: 12512060.7/98

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: 4935.137+/-35.527 χ^2/NDF: 102493.8/27

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

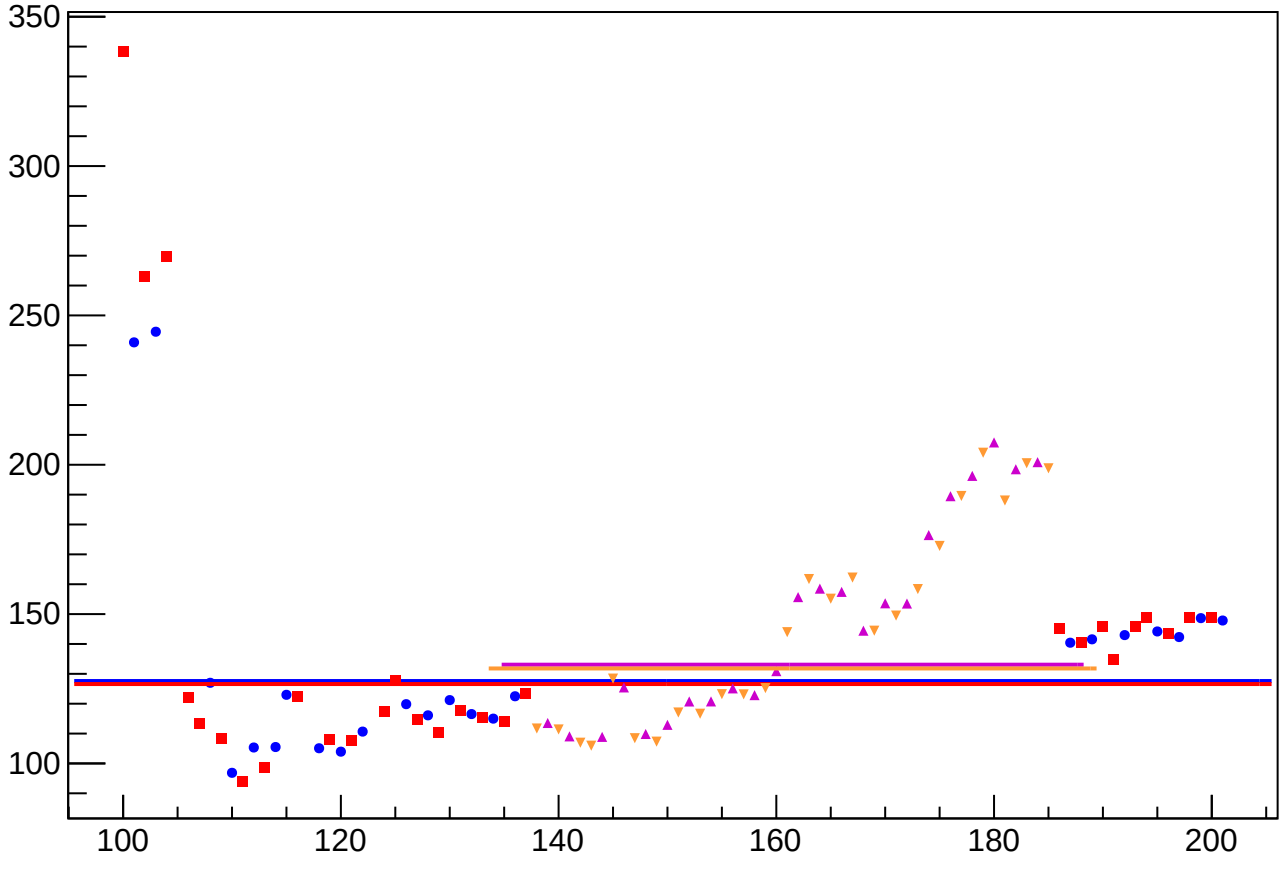
Right: 4106.315+/-25.871 χ^2/NDF: 179320.5/50

In: -1691.162+/-24.396 χ^2/NDF:122694.1/45

Out: -282.071+/-23.284 χ^2/NDF:197101.5/52

All: -953.776+/-16.844 χ^2/NDF: 321541.5/98

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: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

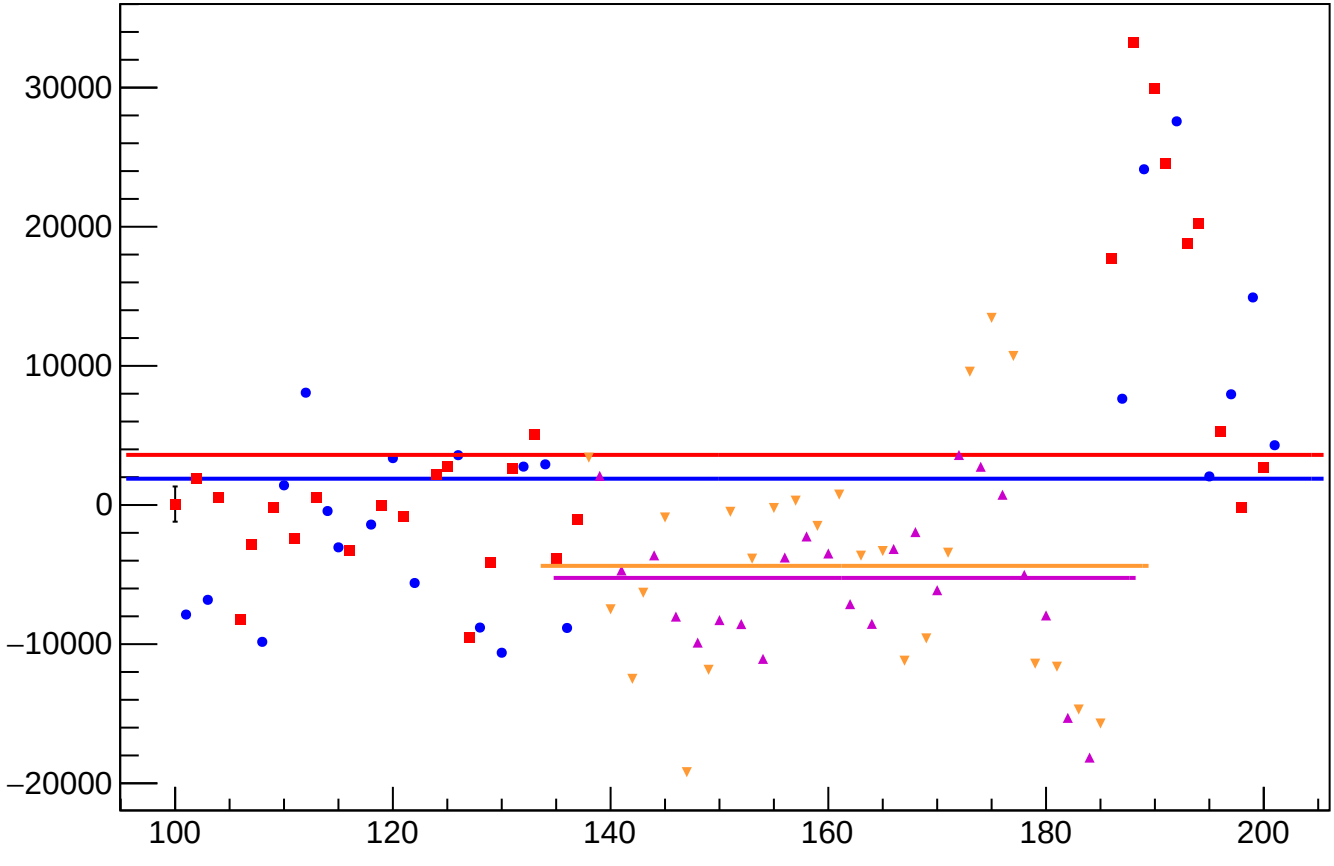
Right: 127.055+/-0.018 χ^2/NDF: 2147605.7/50

In: 130.776+/-0.017 χ^2/NDF:2393913.5/45

Out: 129.557+/-0.016 χ^2/NDF:2764593.1/52

All: 130.138+/-0.012 χ^2/NDF: 5161118.0/98

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 1890.533+/-33.733 χ^2/NDF: 82748.9/22

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3602.563+/-31.884 χ^2/NDF: 109674.3/27

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

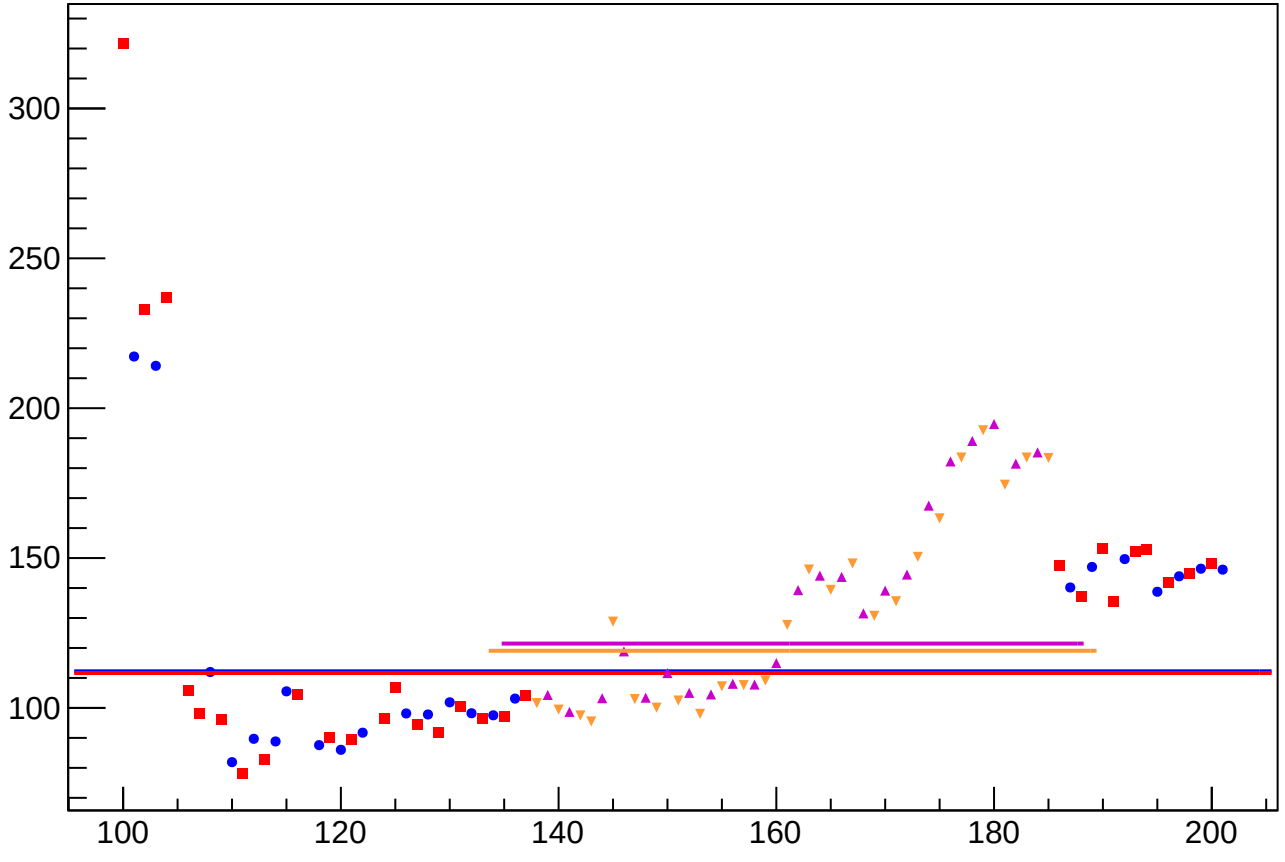
Right: 2794.773+/-23.171 χ^2/NDF: 193783.7/50

In: -2179.429+/-22.100 χ^2/NDF:130524.5/45

Out: -906.402+/-21.020 χ^2/NDF:212267.5/52

All: -1511.047+/-15.231 χ^2/NDF: 344534.1/9

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: 111.655+/-0.023 χ^2/NDF: 1897783.3/27

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

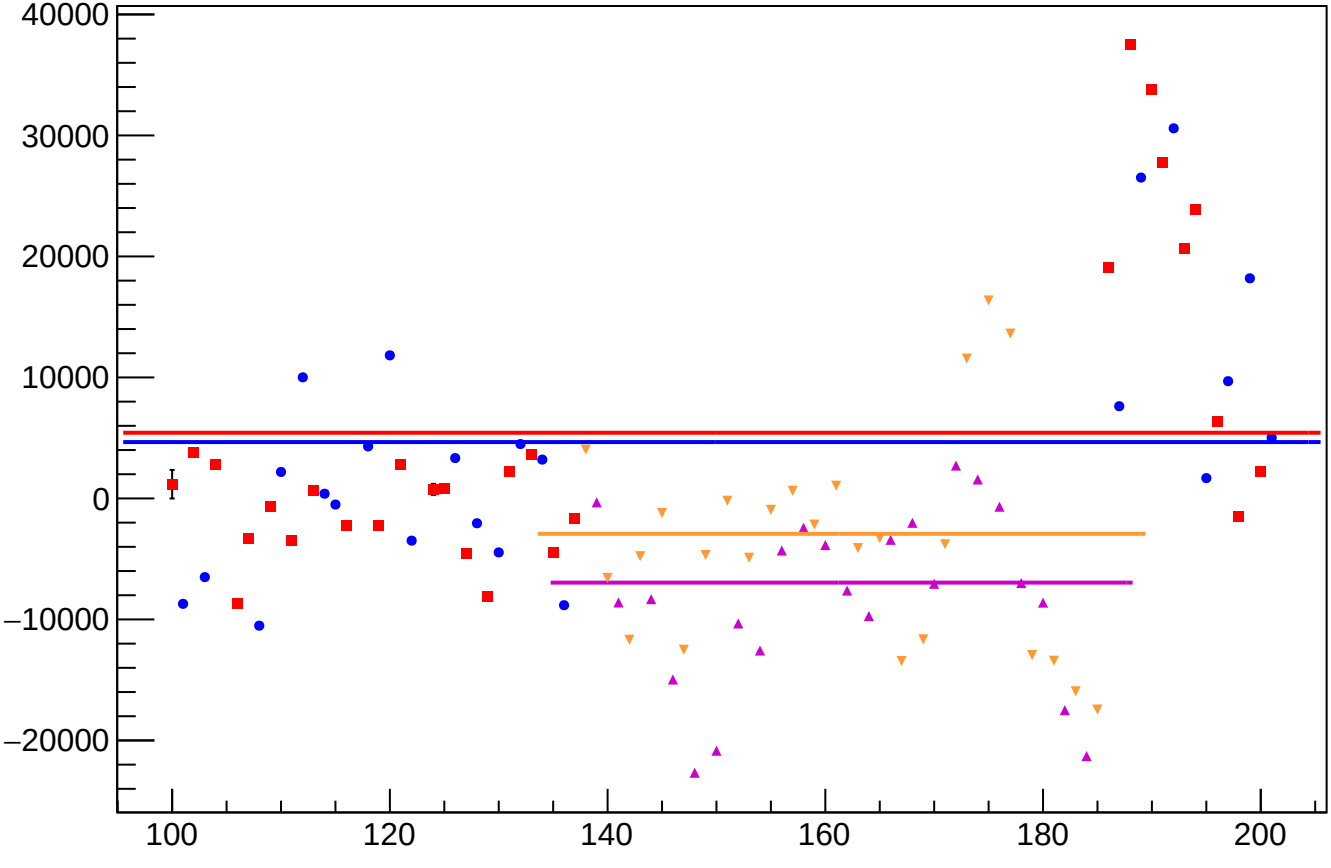
Right: 111.917+/-0.016 χ^2/NDF: 3428323.8/50

In: 117.494+/-0.016 χ^2/NDF:3145618.9/45

Out: 115.844+/-0.015 χ^2/NDF:3714276.9/52

All: 116.628+/-0.011 χ^2/NDF: 6865752.7/98

asym_bpm1i06WS_mean vs Slug, Sign Corrected



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: 5429.156+/-42.013 χ^2/NDF: 91929.5/27

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

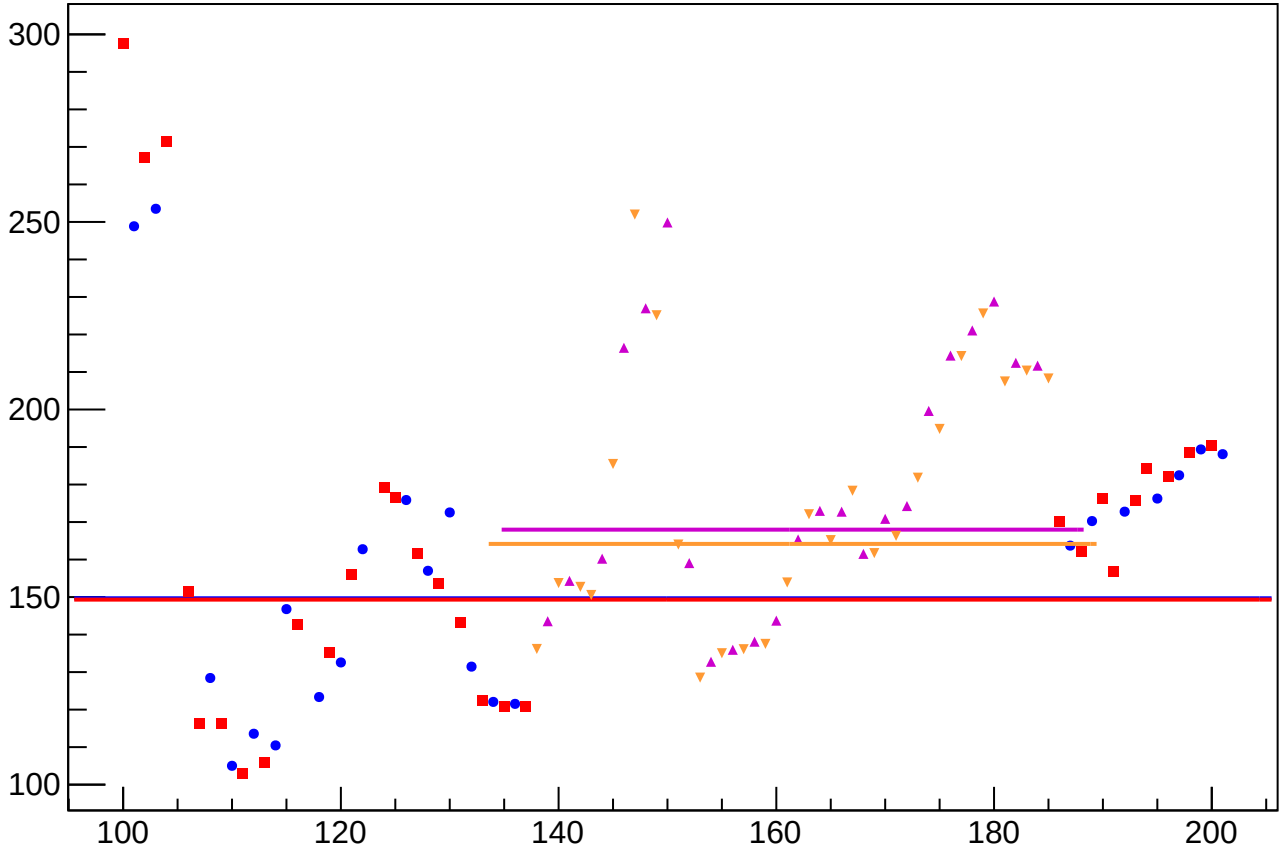
Right: 5064.419+/-30.503 χ^2/NDF: 152460.6/50

In: -1712.894+/-29.806 χ^2/NDF:120315.7/45

Out: 855.315+/-28.257 χ^2/NDF:151625.2/52

All: -360.344+/-20.507 χ^2/NDF: 275851.0/98

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: 149.323+/-0.030 χ^2/NDF: 1429477.9/27

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

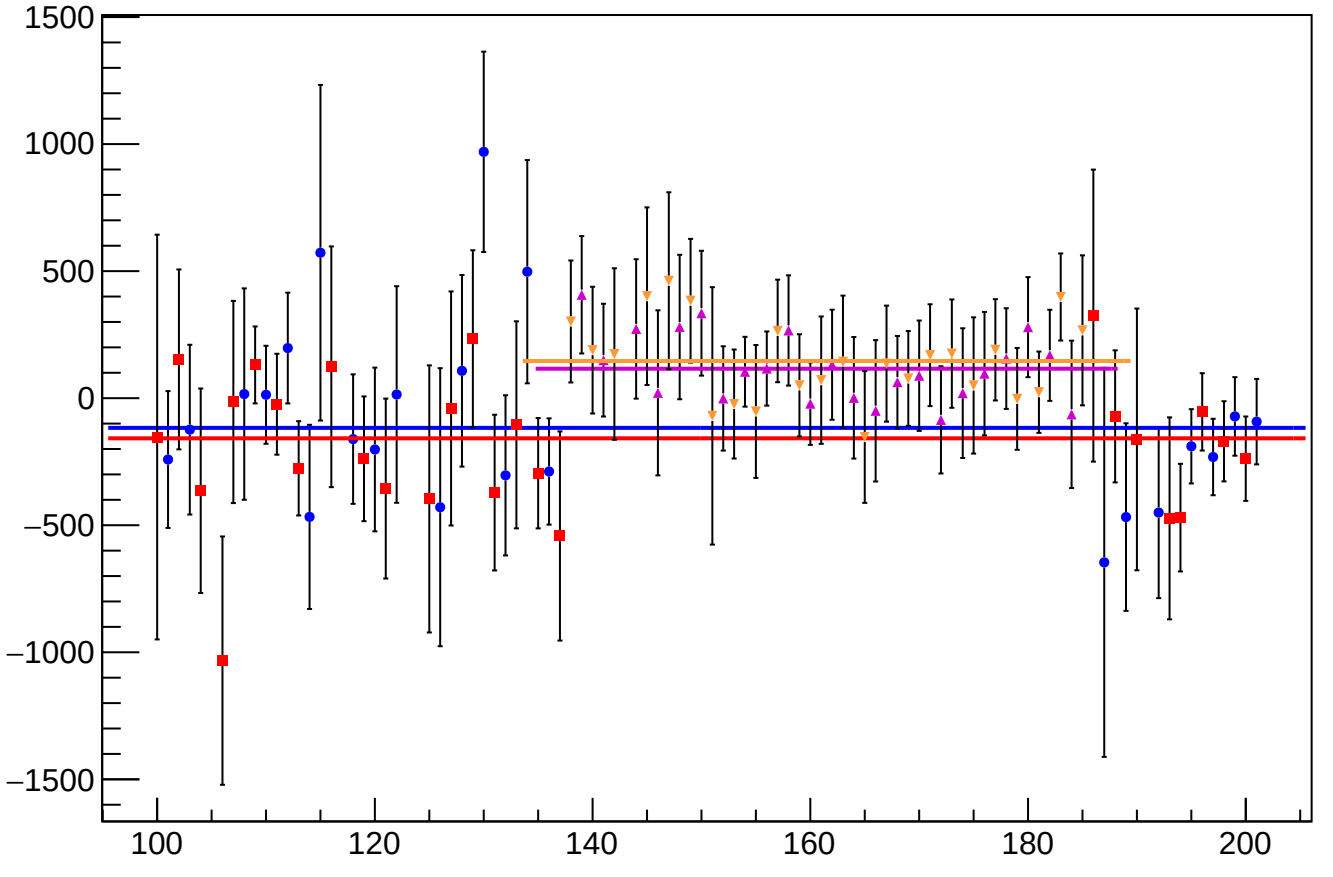
Right: 149.492+/-0.022 χ^2/NDF: 2642061.1/50

In: 159.715+/-0.021 χ^2/NDF:2621844.4/45

Out: 157.455+/-0.020 χ^2/NDF:2790708.8/52

All: 158.525+/-0.015 χ^2/NDF: 5418612.8/98

asym_bcm_2an_us_an_ds_avg_mean vs Slug, Sign Corrected



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: -157.892+/-51.066 χ^2/NDF: 17.3/25

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

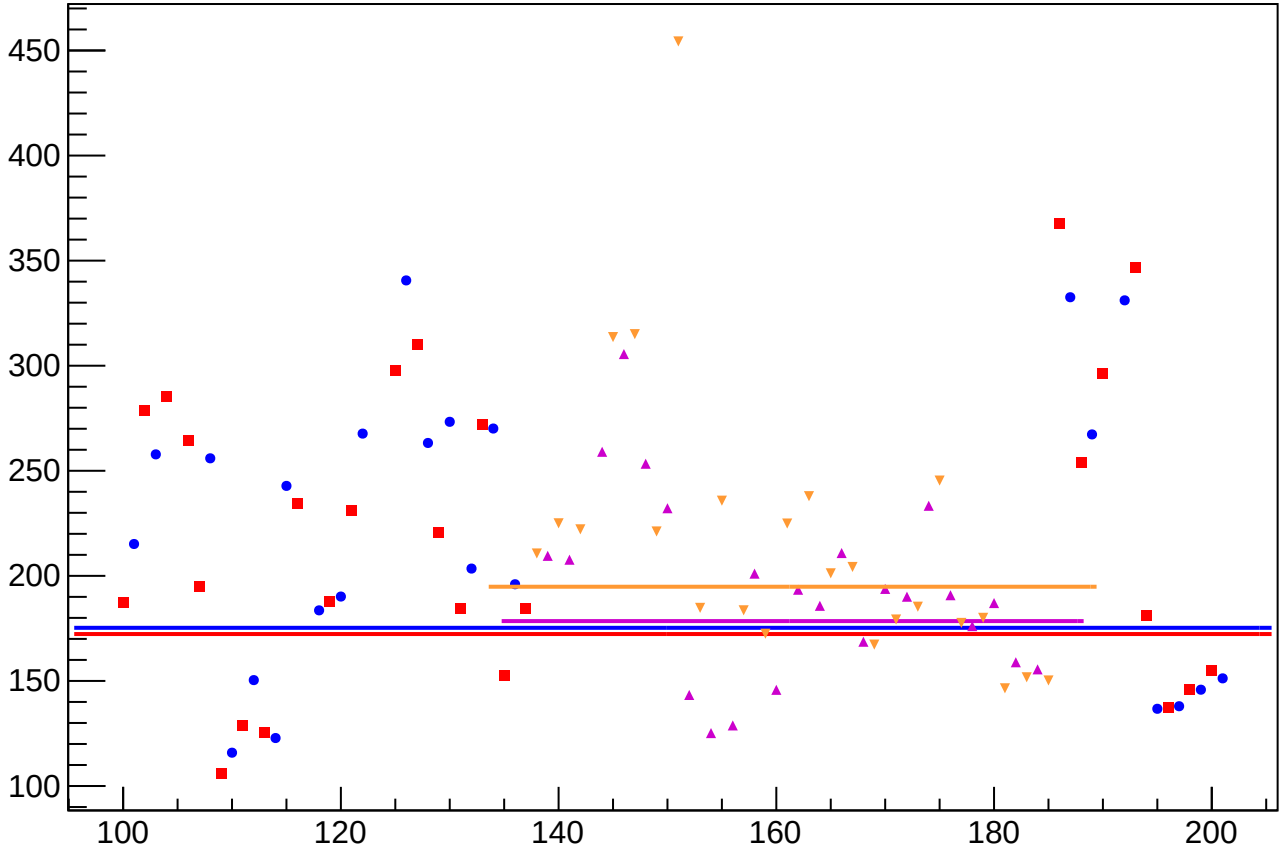
Right: -138.059+/-36.724 χ^2/NDF: 37.2/48

In: 21.696+/-33.635 χ^2/NDF:38.8/45

Out: 7.051+/-34.554 χ^2/NDF:46.5/49

All: 14.571+/-24.102 χ^2/NDF: 85.3/95

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: 172.315+/-0.036 χ^2/NDF: 2711281.5/25

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

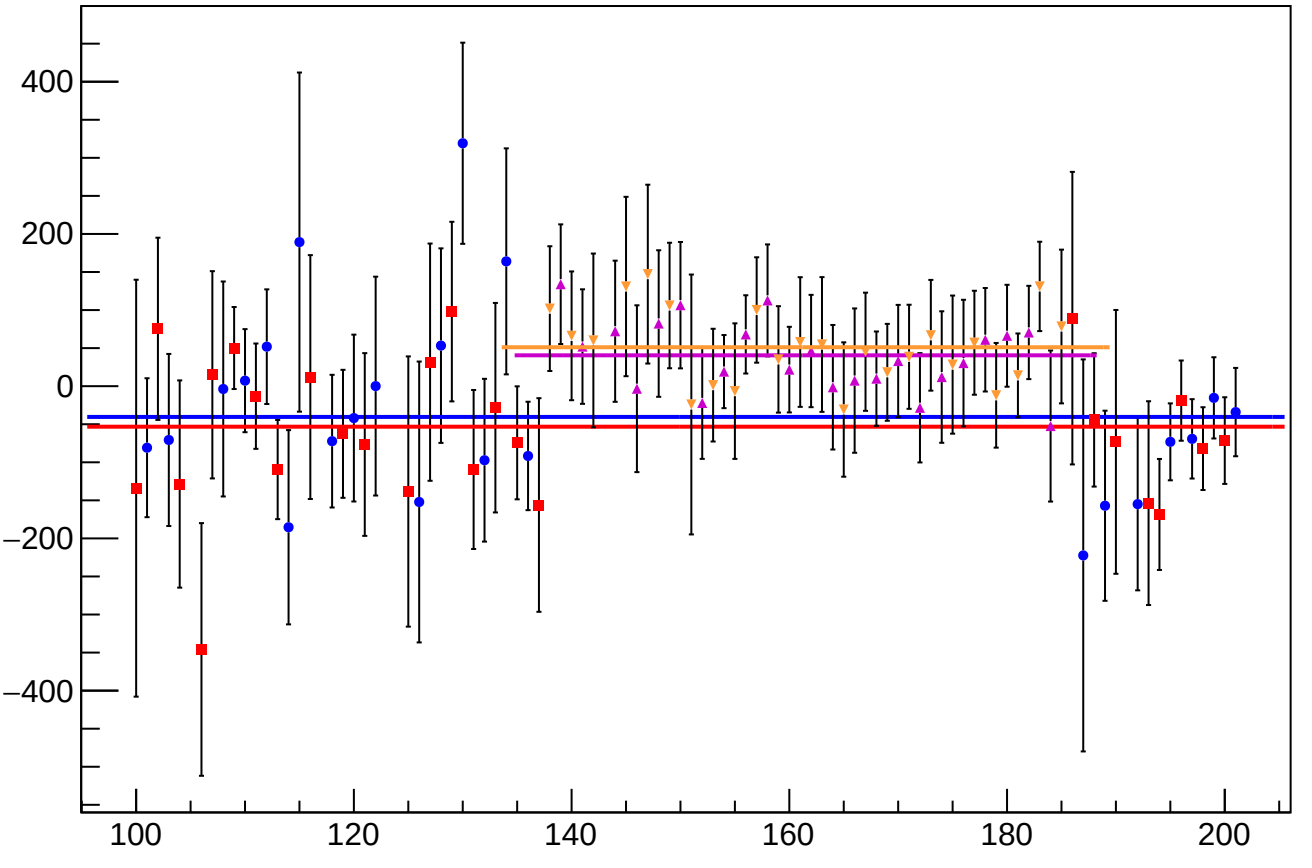
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 173.747+/-0.026 χ^2/NDF: 4891503.6/48

In: 177.182+/-0.024 χ^2/NDF:3857577.6/45

Out: 184.520+/-0.024 χ^2/NDF:4674512.1/49

All: 180.752+/-0.017 χ^2/NDF: 8578411.2/95



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: -53.232+/-17.599 χ^2/NDF: 17.4/25

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

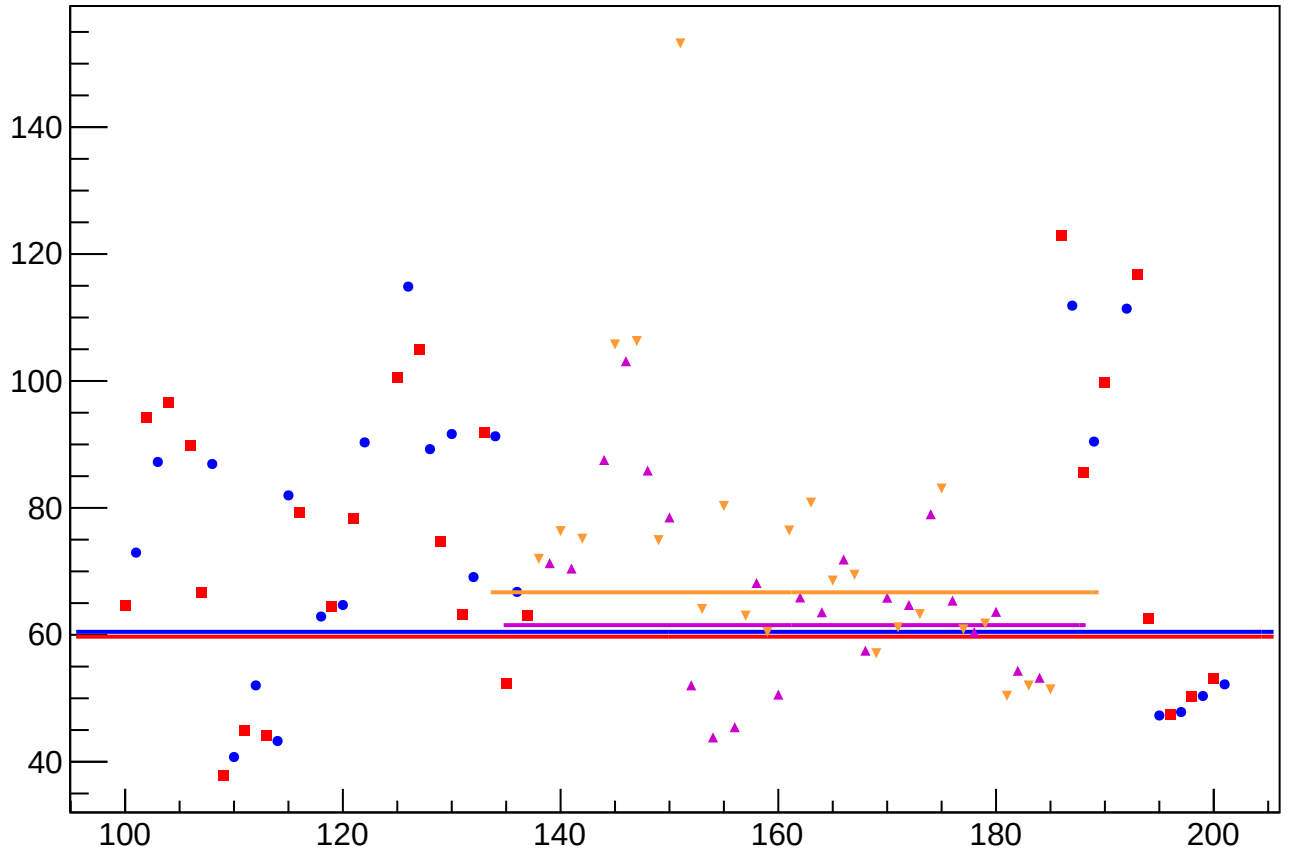
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -47.019+/-12.640 χ^2/NDF: 36.9/48

In: 7.786+/-11.556 χ^2/NDF:38.9/45

Out: 3.800+/-11.854 χ^2/NDF:44.8/49

All: 5.844+/-8.275 χ^2/NDF: 83.8/95



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: 59.712+/-0.012 χ^2/NDF: 2503245.3/25

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

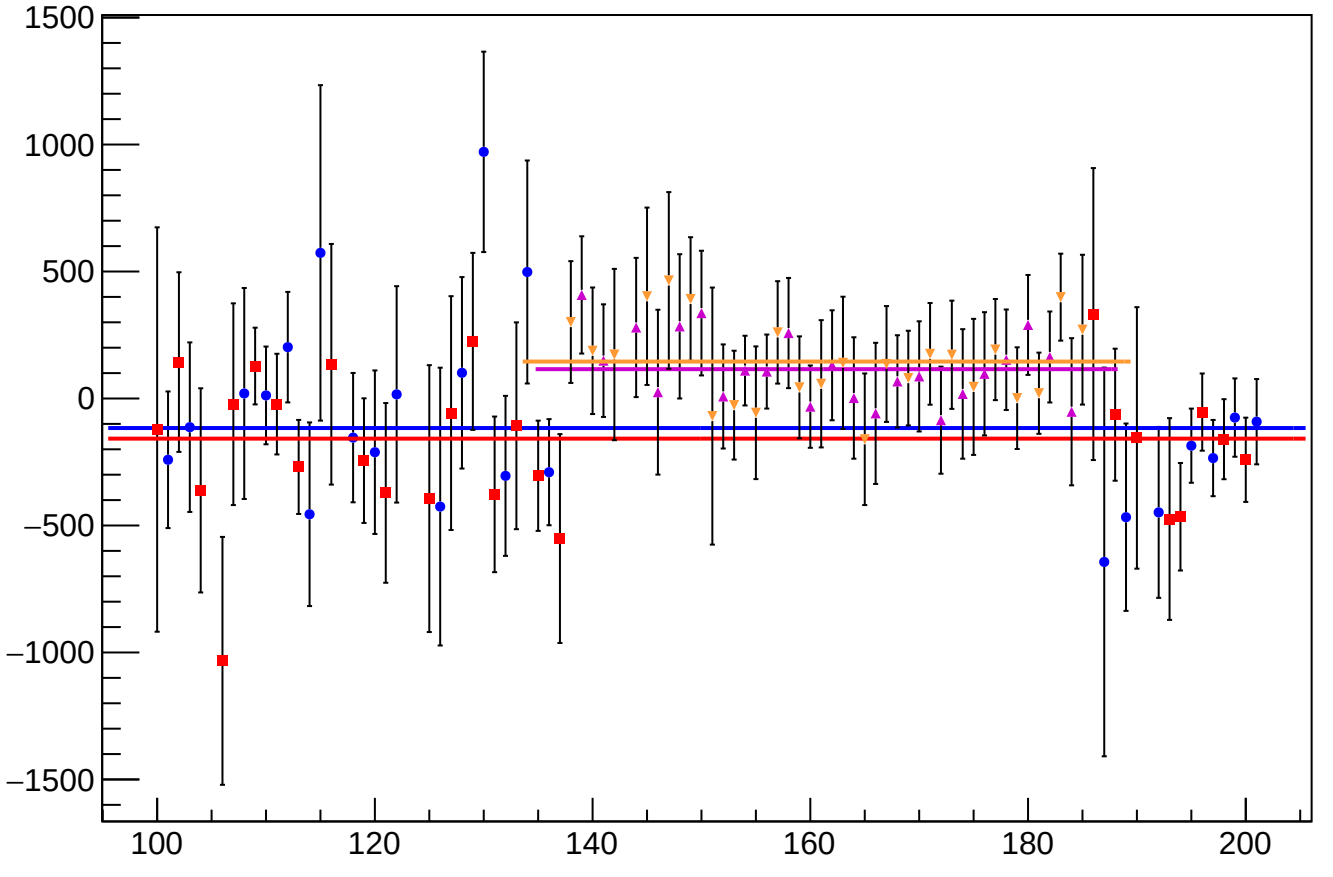
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 60.082+/-0.009 χ^2/NDF: 4531775.3/48

In: 61.103+/-0.008 χ^2/NDF:3520556.7/45

Out: 63.531+/-0.008 χ^2/NDF:4352008.5/49

All: 62.286+/-0.006 χ^2/NDF: 7915611.3/95



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: -157.973+/-51.003 χ^2/NDF: 17.3/25

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

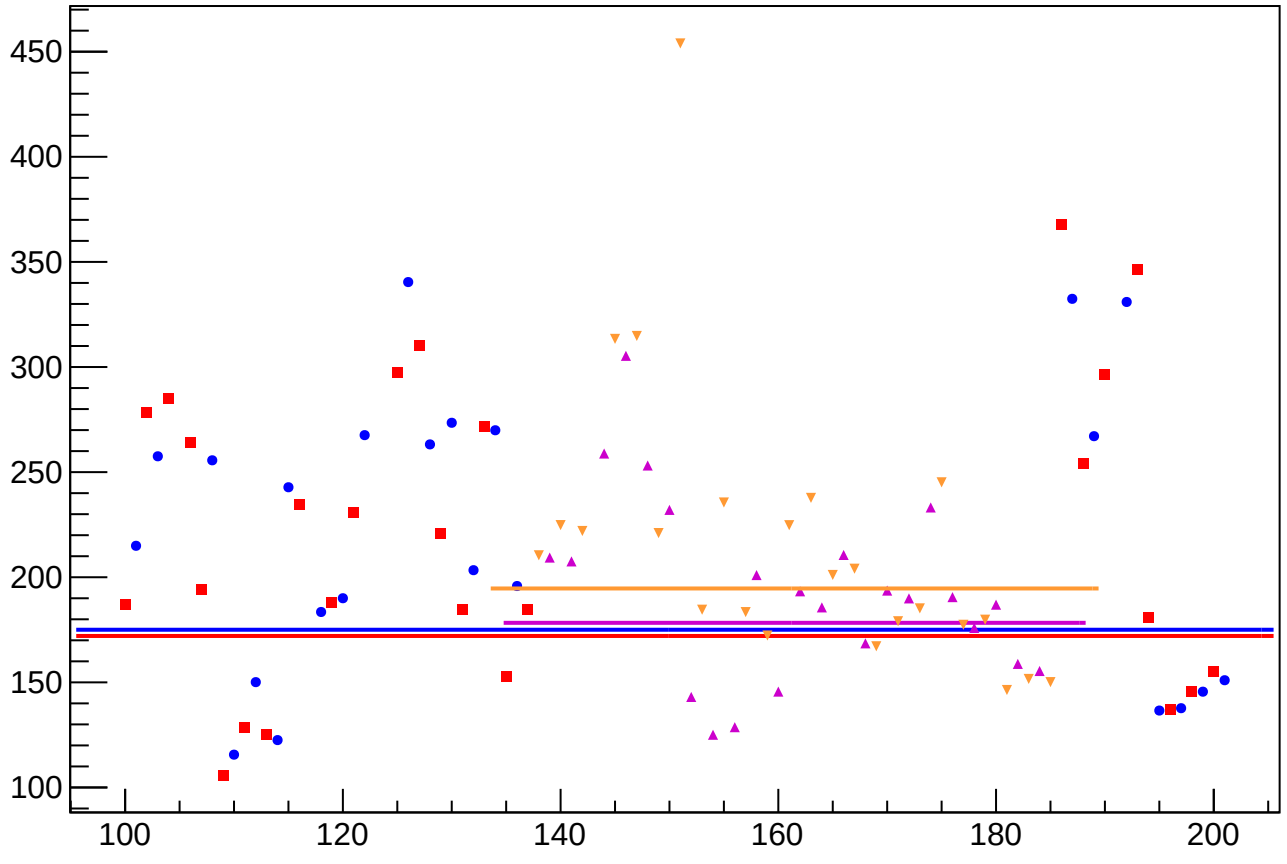
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -137.858+/-36.678 χ^2/NDF: 37.3/48

In: 21.560+/-33.601 χ^2/NDF:38.9/45

Out: 6.481+/-34.518 χ^2/NDF:46.7/49

All: 14.223+/-24.077 χ^2/NDF: 85.7/95



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: 172.070+/-0.036 χ^2/NDF: 2719558.6/25

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

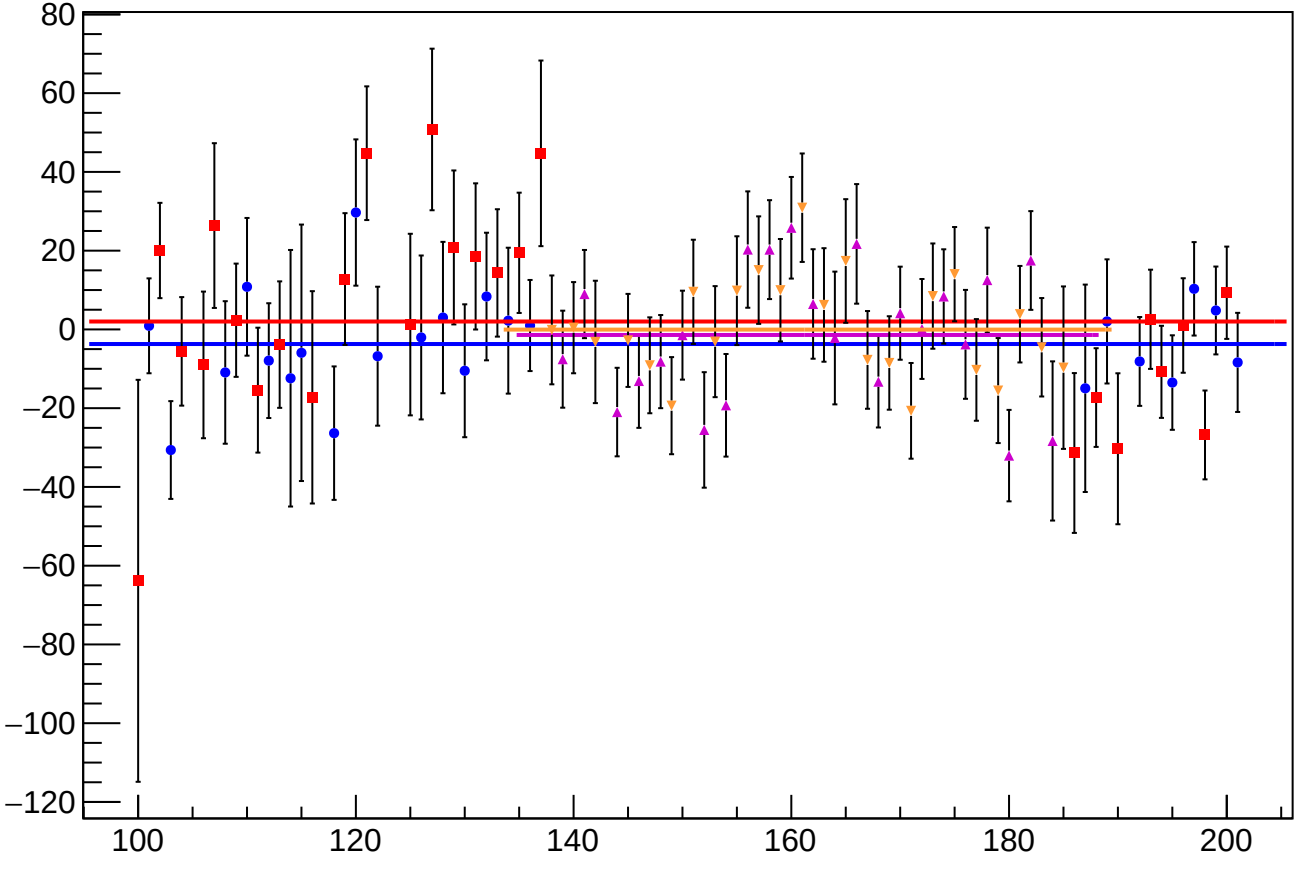
Right: 173.499+/-0.026 χ^2/NDF: 4906404.4/48

In: 176.985+/-0.024 χ^2/NDF:3866549.8/45

Out: 184.312+/-0.024 χ^2/NDF:4685295.6/49

All: 180.550+/-0.017 χ^2/NDF: 8598115.0/95

asym_bcm_an_us_an_ds_dd_mean vs Slug, Sign Corrected



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: 2.009+/-3.076 χ^2/NDF: 43.1/25

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

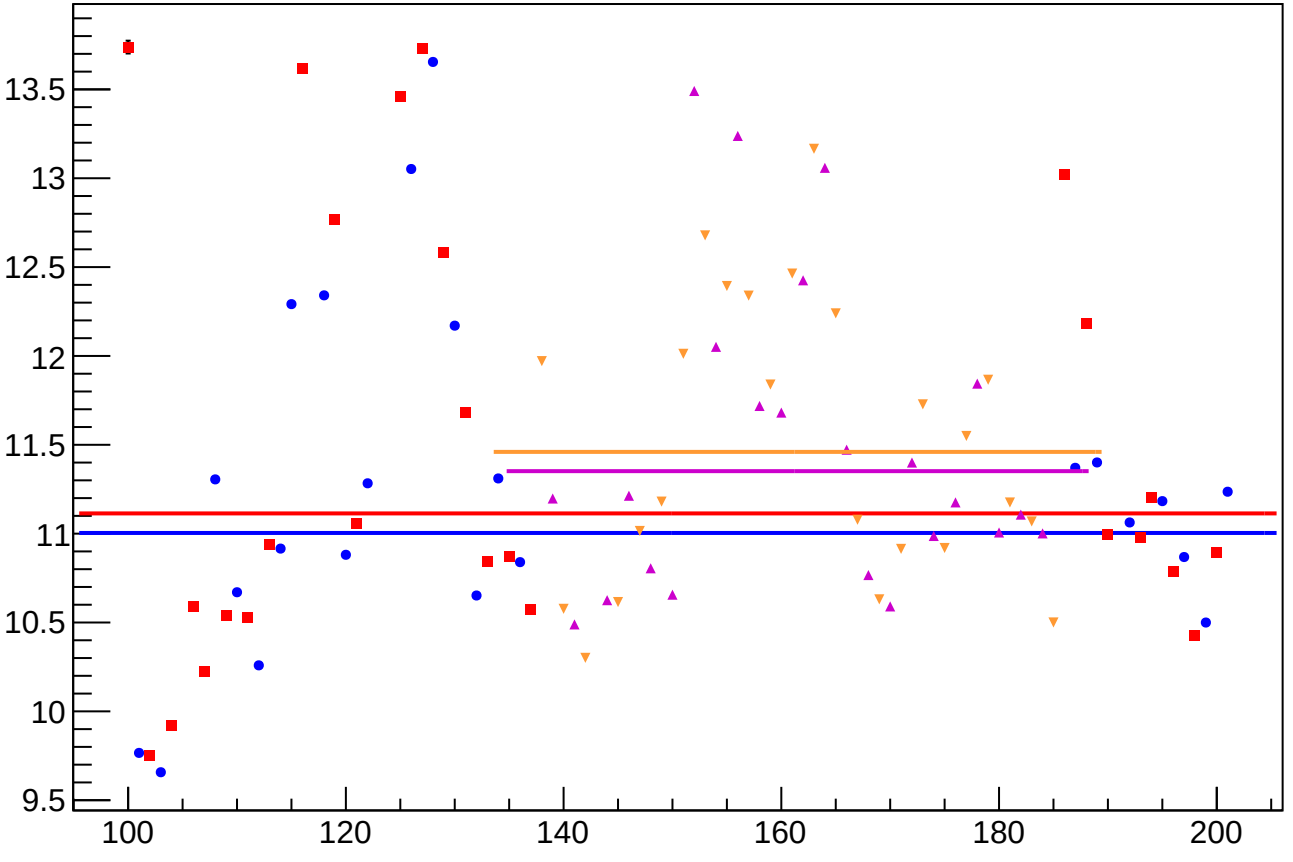
Right: -0.776+/-2.203 χ^2/NDF: 60.0/48

In: -2.368+/-2.040 χ^2/NDF:51.9/45

Out: 0.842+/-2.023 χ^2/NDF:63.8/49

All: -0.749+/-1.437 χ^2/NDF: 116.9/95

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



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: 11.114+/-0.002 χ^2/NDF: 204611.8/25

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

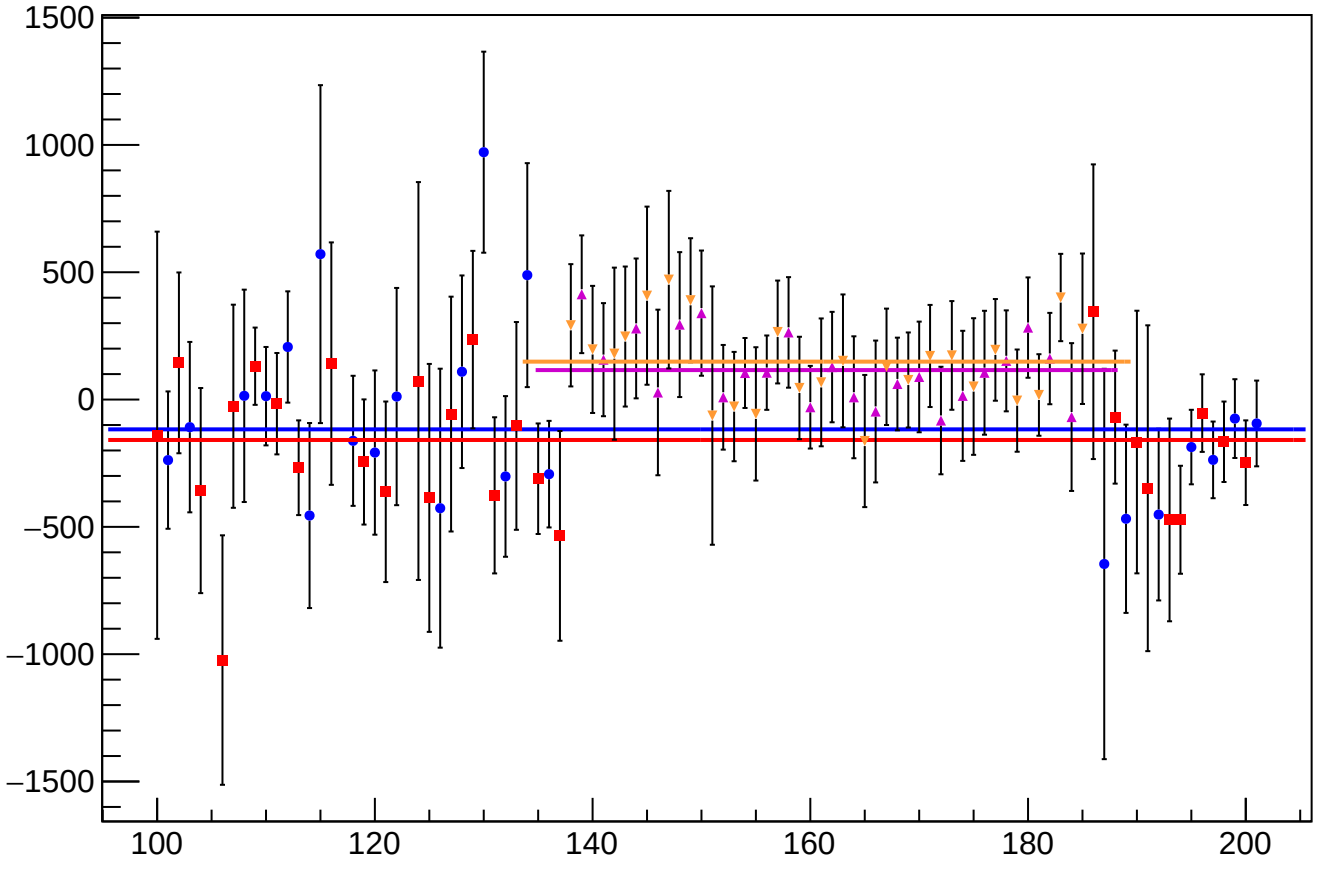
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.060+/-0.002 χ^2/NDF: 349197.4/48

In: 11.206+/-0.001 χ^2/NDF:328038.6/45

Out: 11.310+/-0.001 χ^2/NDF:369419.8/49

All: 11.259+/-0.001 χ^2/NDF: 700077.2/95



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: -158.766+/-50.877 χ^2/NDF: 17.5/27

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

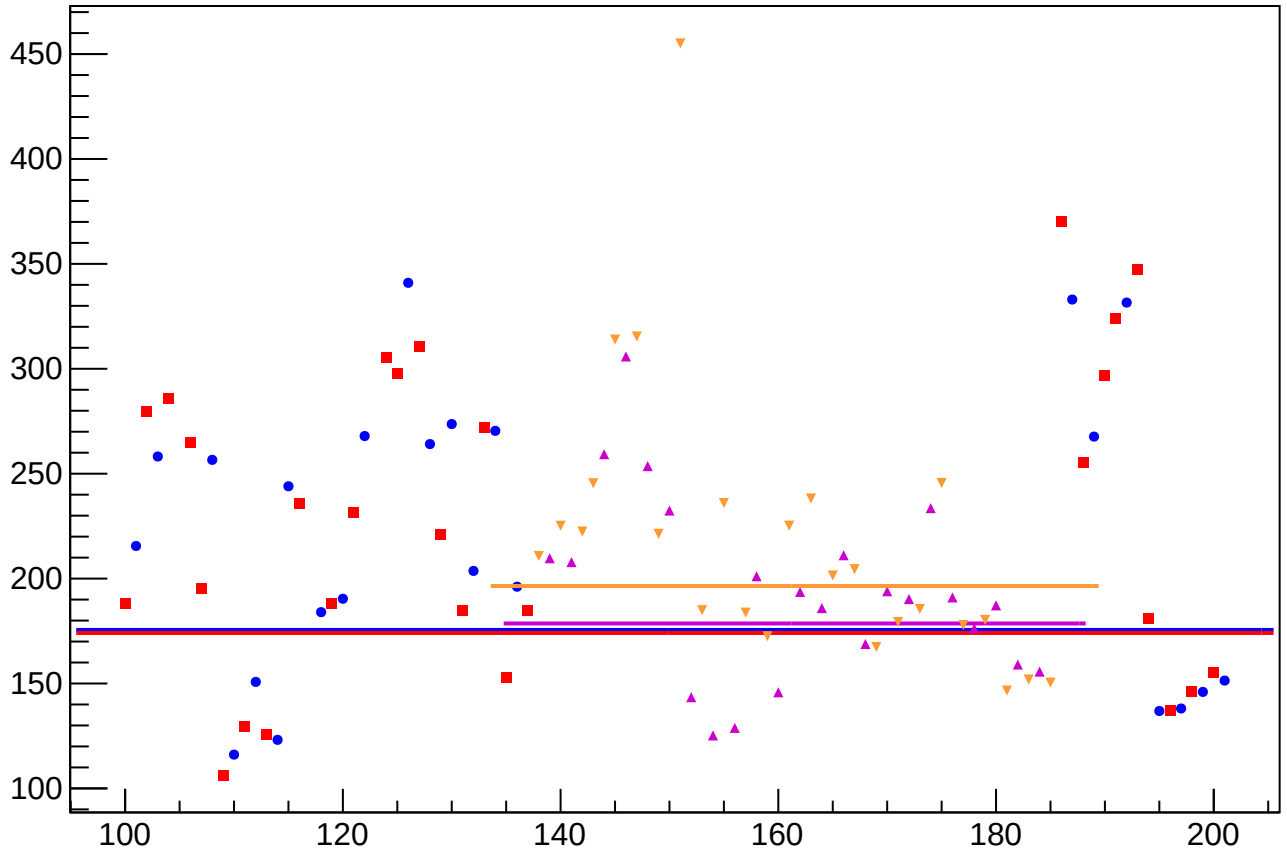
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -138.730+/-36.680 χ^2/NDF: 37.5/50

In: 21.514+/-33.671 χ^2/NDF:38.9/45

Out: 9.508+/-34.246 χ^2/NDF:48.0/52

All: 15.612+/-24.010 χ^2/NDF: 87.0/98



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: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

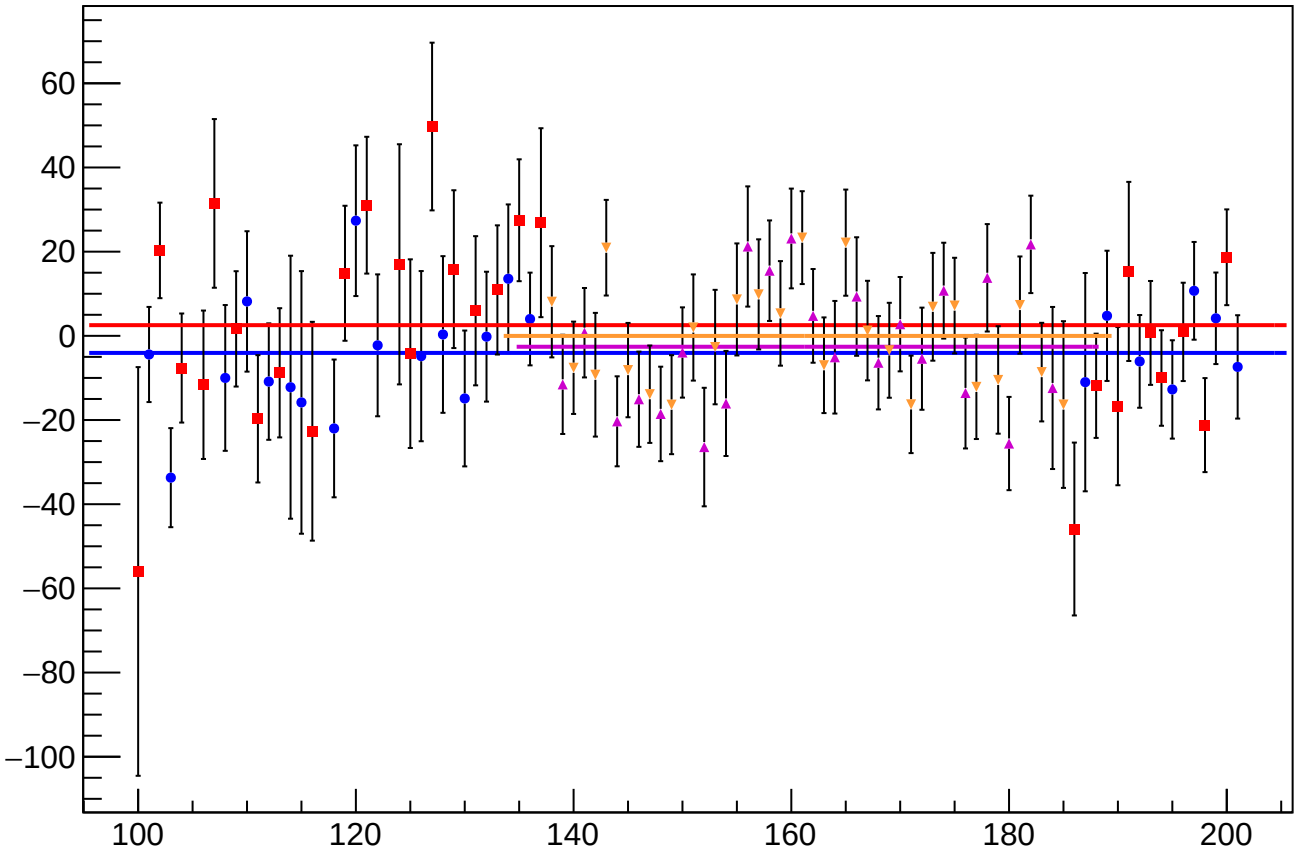
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 174.782+/-0.026 χ^2/NDF: 5062943.9/50

In: 177.365+/-0.024 χ^2/NDF:3860820.5/45

Out: 186.322+/-0.024 χ^2/NDF:4914339.6/52

All: 181.768+/-0.017 χ^2/NDF: 8844725.8/98



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: 2.537+/-2.923 χ^2/NDF: 41.6/27

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

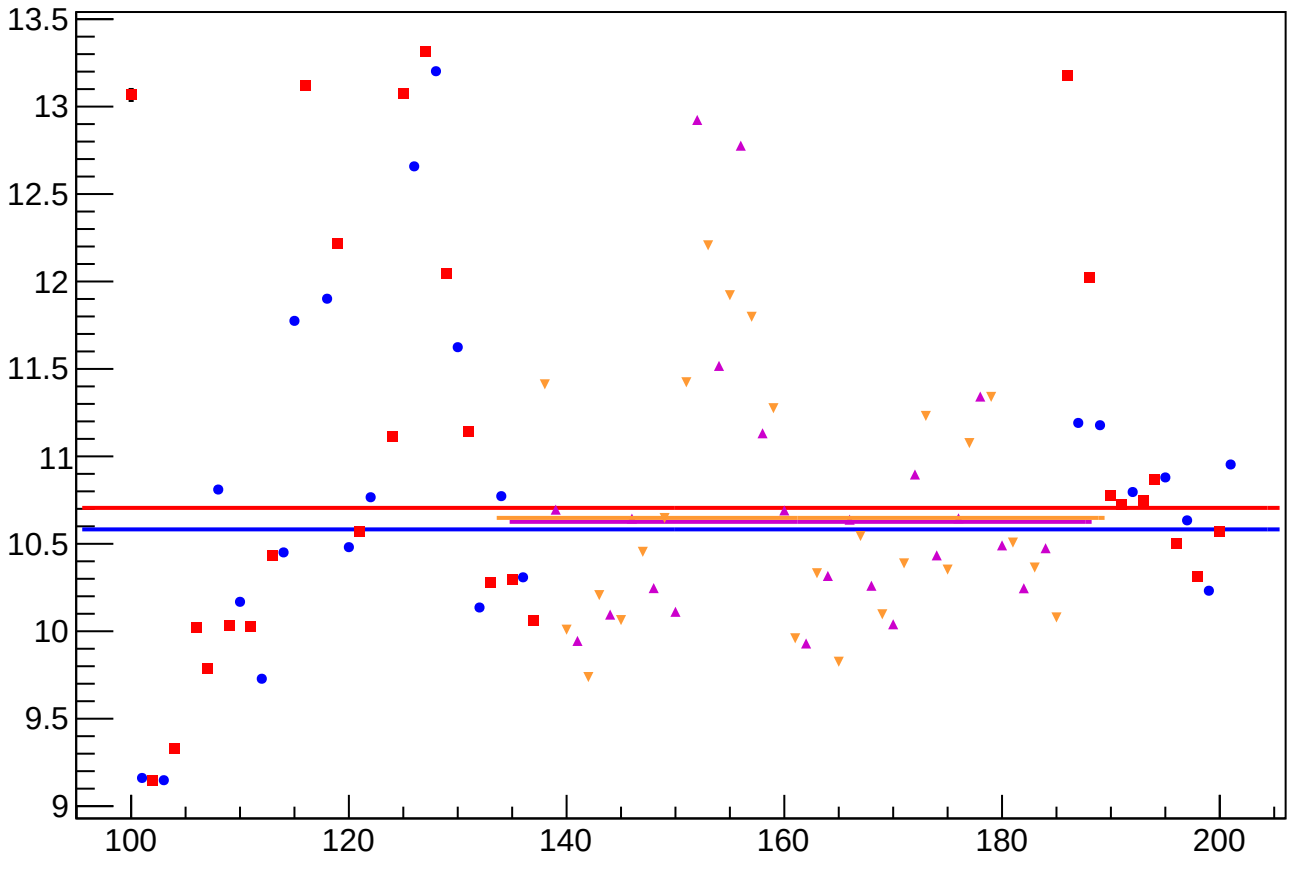
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.630+/-2.107 χ^2/NDF: 61.1/50

In: -3.184+/-1.934 χ^2/NDF:52.0/45

Out: 1.034+/-1.875 χ^2/NDF:65.8/52

All: -1.010+/-1.346 χ^2/NDF: 120.3/98



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: 10.705+/-0.002 χ^2/NDF: 245706.3/27

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

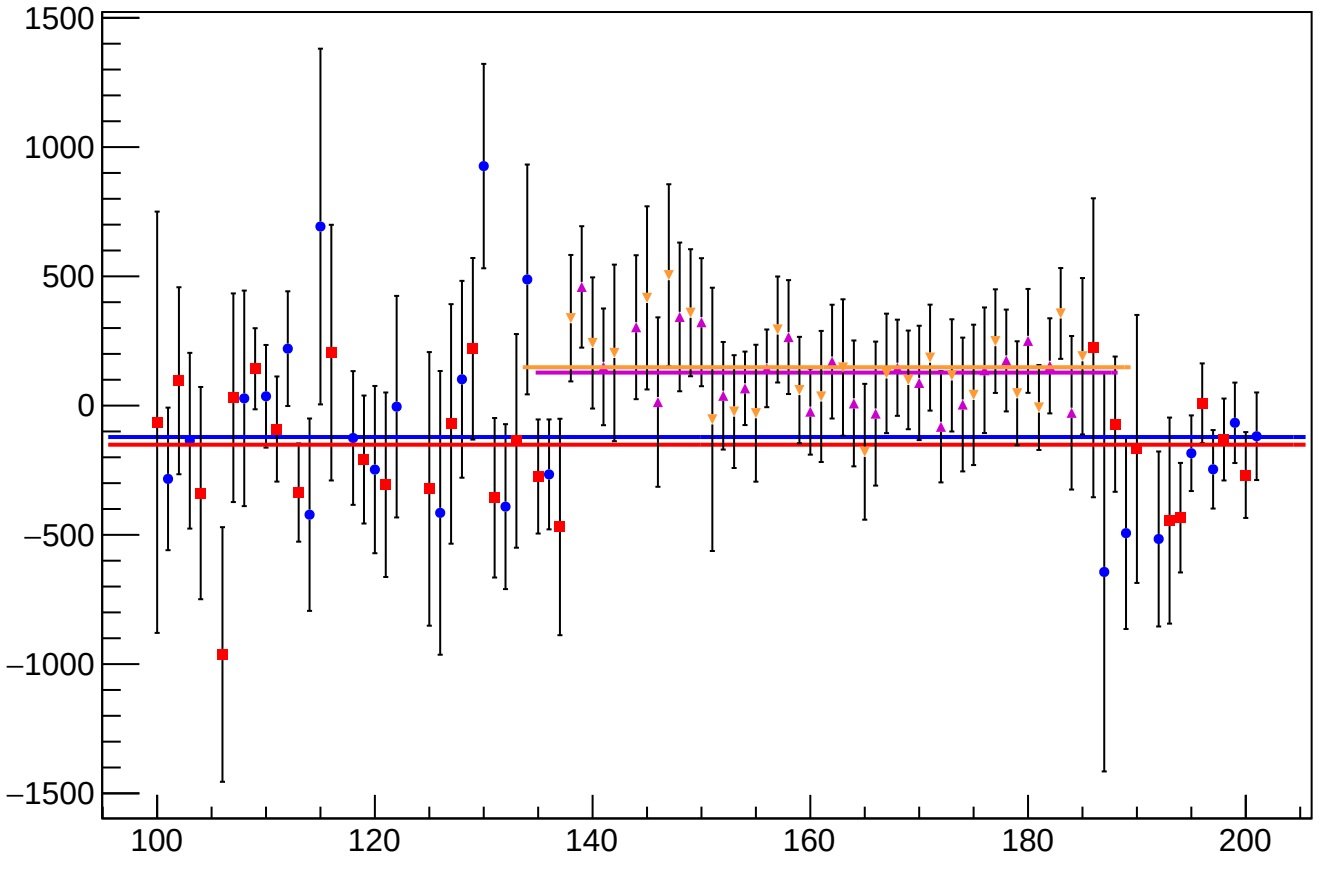
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.646+/-0.001 χ^2/NDF: 416444.7/50

In: 10.608+/-0.001 χ^2/NDF:328822.3/45

Out: 10.672+/-0.001 χ^2/NDF:389692.4/52

All: 10.641+/-0.001 χ^2/NDF: 719629.3/98



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: -151.270+/-51.773 χ^2/NDF: 15.9/25

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

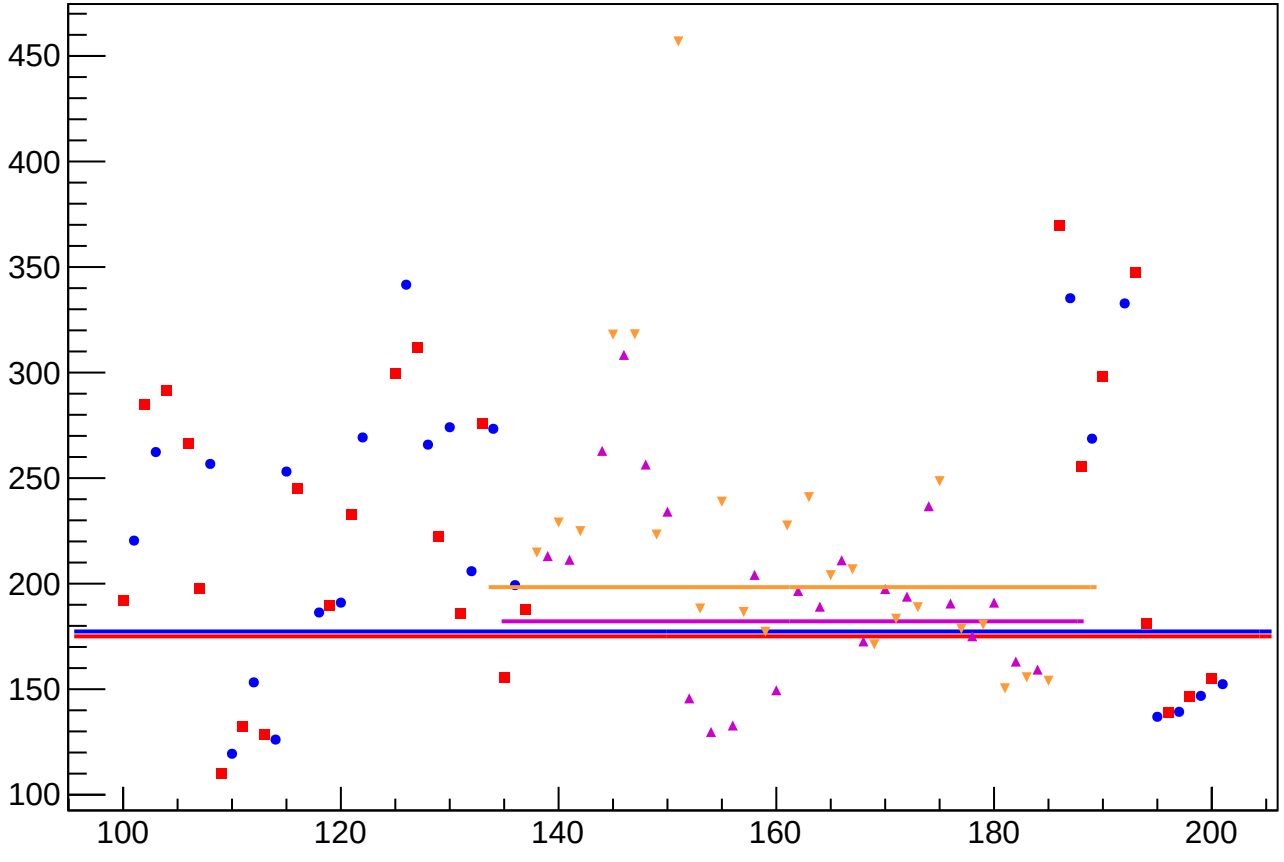
Right: -136.898+/-37.188 χ^2/NDF: 36.4/48

In: 25.856+/-34.166 χ^2/NDF:41.0/45

Out: 10.771+/-35.089 χ^2/NDF:43.9/49

All: 18.515+/-24.479 χ^2/NDF: 85.0/95

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: 175.022+/-0.037 χ^2/NDF: 2643774.9/25

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

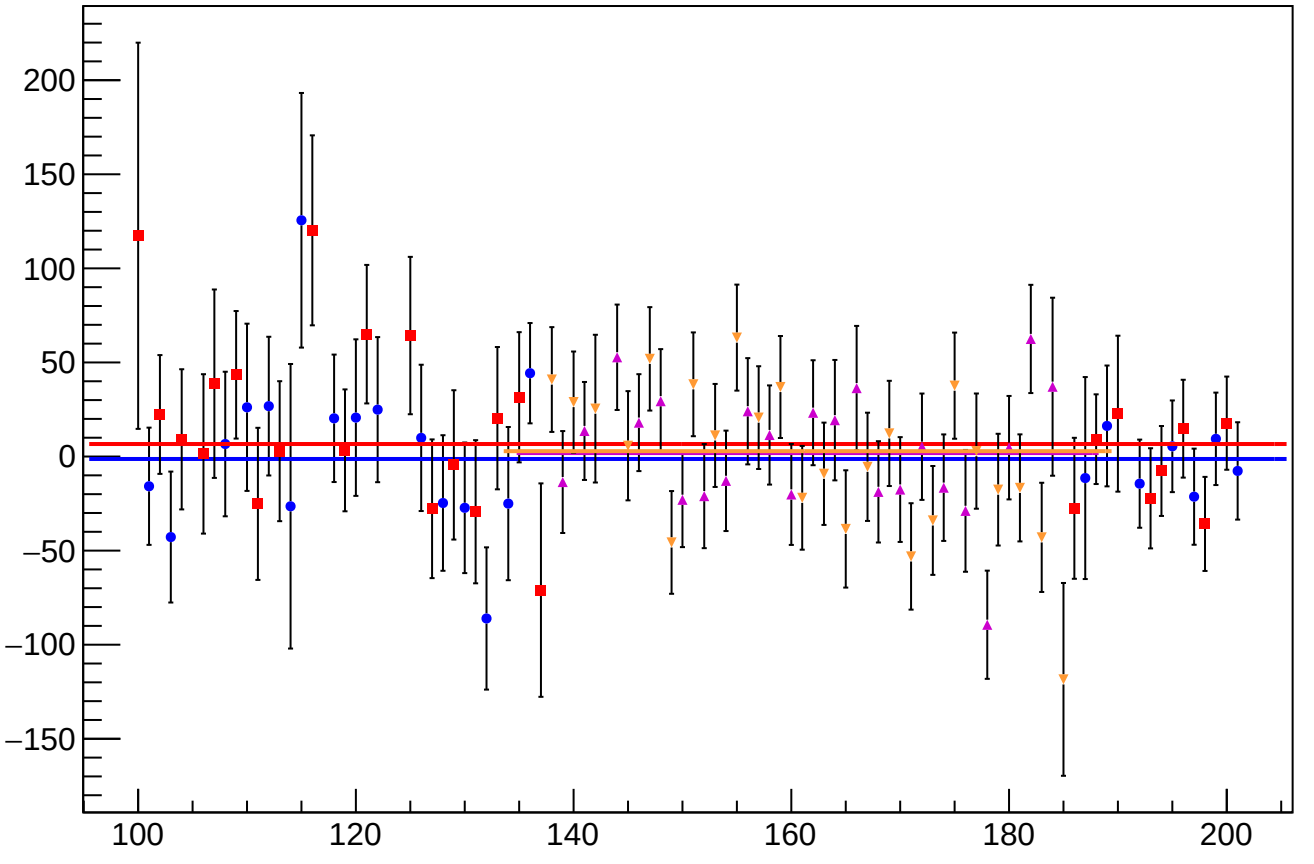
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 176.149+/-0.026 χ^2/NDF: 4809087.3/48

In: 180.189+/-0.024 χ^2/NDF:3757256.9/45

Out: 187.635+/-0.025 χ^2/NDF:4560393.7/49

All: 183.813+/-0.017 χ^2/NDF: 8363890.5/95



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: 6.651+/-6.670 χ^2/NDF: 23.2/25

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

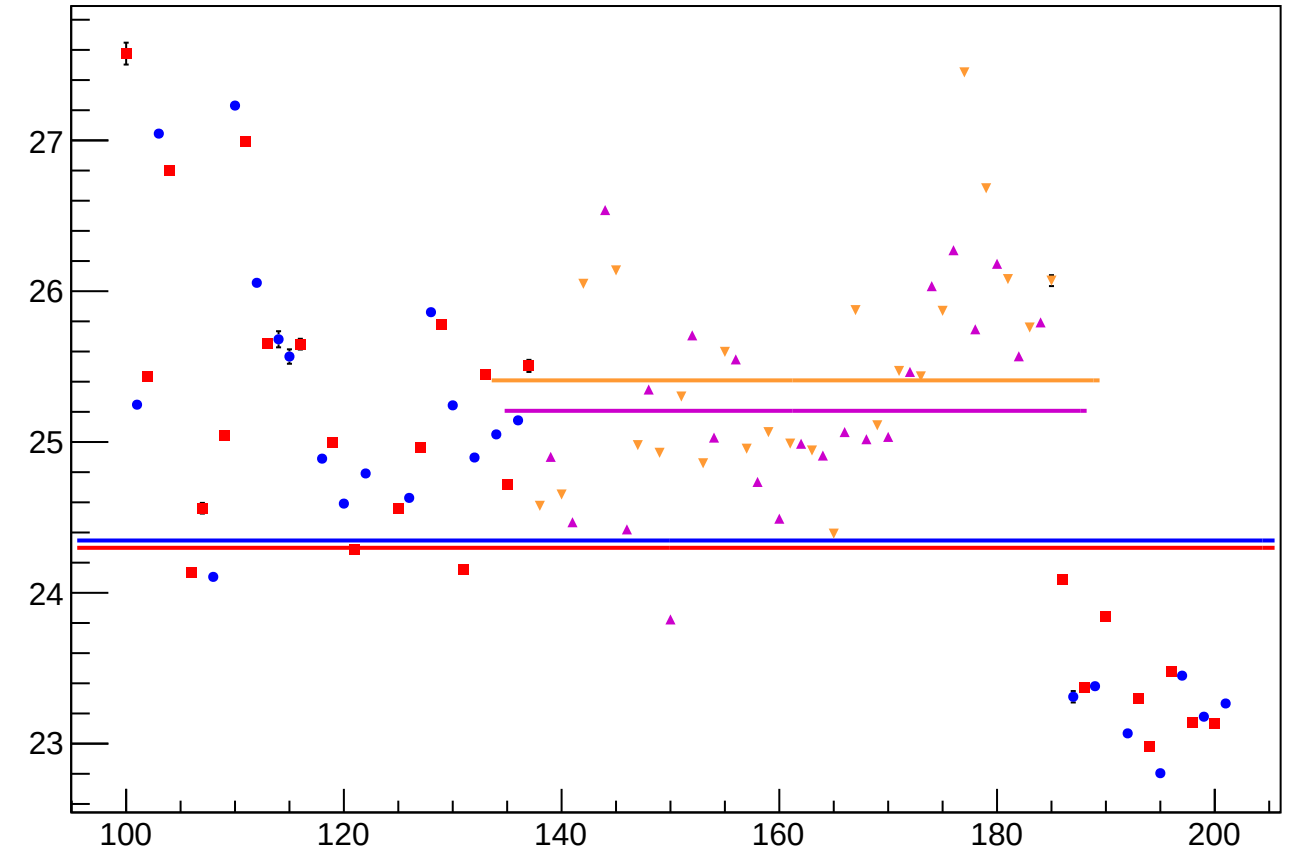
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 2.834+/-4.808 χ^2/NDF: 42.3/48

In: 0.532+/-4.492 χ^2/NDF:46.6/45

Out: 4.520+/-4.421 χ^2/NDF:60.3/49

All: 2.557+/-3.151 χ^2/NDF: 107.3/95



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: 24.298+/-0.005 χ^2/NDF: 58123.6/25

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

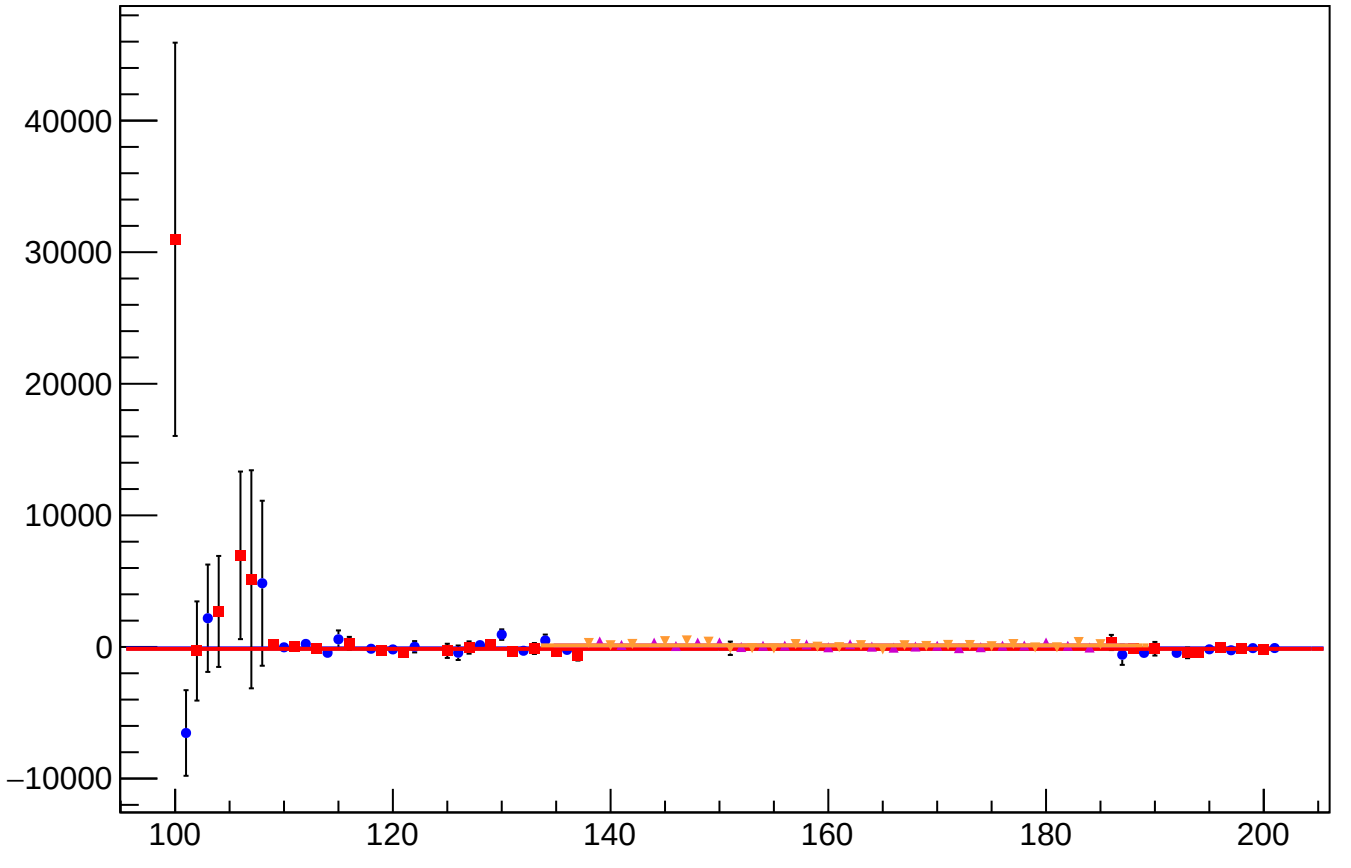
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.322+/-0.003 χ^2/NDF: 121594.3/48

In: 24.846+/-0.003 χ^2/NDF:107091.9/45

Out: 24.921+/-0.003 χ^2/NDF:116052.0/49

All: 24.884+/-0.002 χ^2/NDF: 223423.6/95



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: -145.426+/-55.566 χ^2/NDF: 18.1/25

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

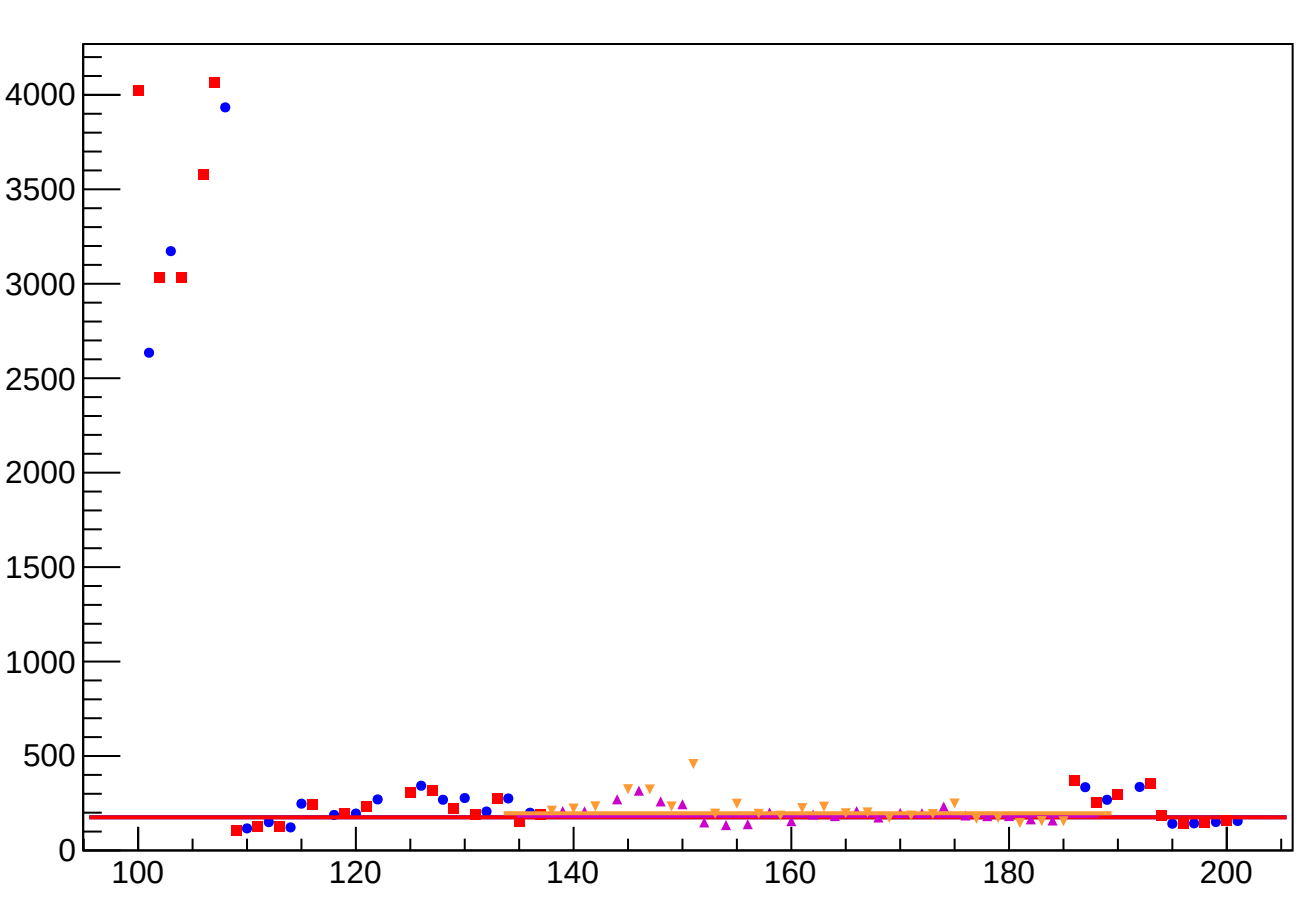
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -127.326+/-39.566 χ^2/NDF: 41.2/48

In: 29.158+/-35.061 χ^2/NDF:41.1/45

Out: 8.223+/-36.079 χ^2/NDF:43.3/49

All: 18.990+/-25.144 χ^2/NDF: 84.5/95



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: 175.248+/-0.039 χ^2/NDF: 5323490.3/25

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

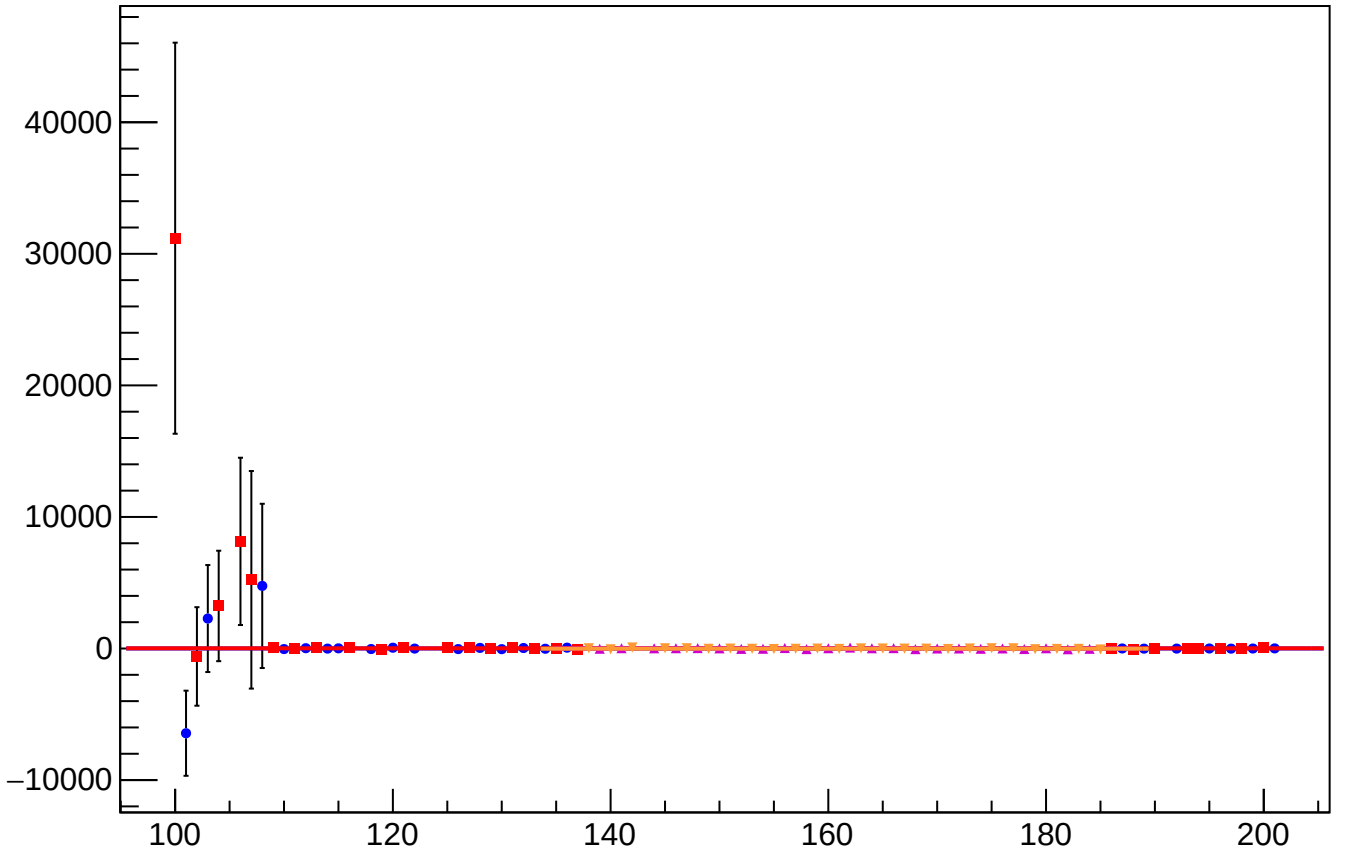
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 175.490+/-0.028 χ^2/NDF: 10136954.1/48

In: 180.833+/-0.025 χ^2/NDF:6285481.5/45

Out: 187.792+/-0.026 χ^2/NDF:7308975.0/49

All: 184.213+/-0.018 χ^2/NDF: 13632719.6/95



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: 15.456+/-8.270 χ^2/NDF: 28.1/25

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

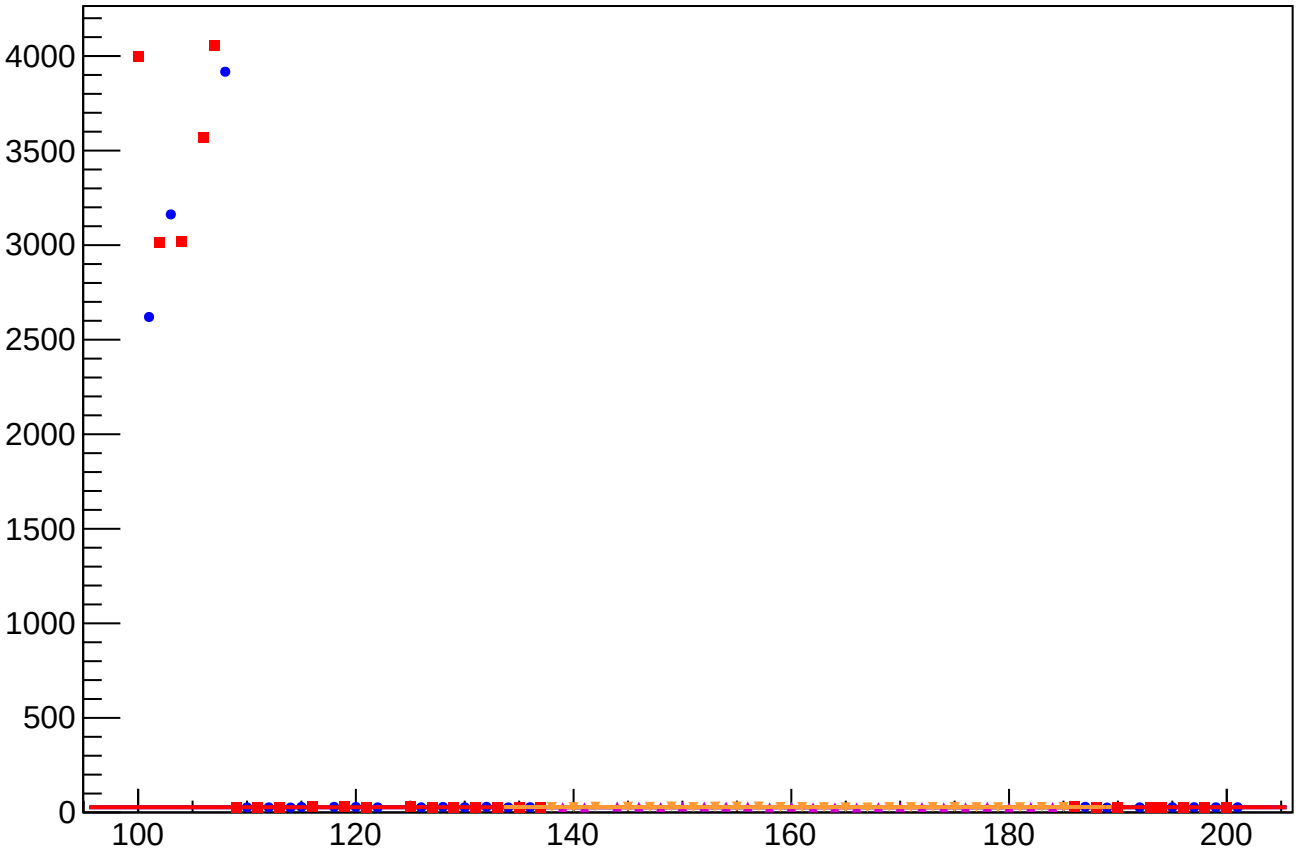
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 8.924+/-5.898 χ^2/NDF: 48.2/48

In: 2.415+/-5.257 χ^2/NDF:41.0/45

Out: -0.674+/-5.184 χ^2/NDF:51.8/49

All: 0.849+/-3.691 χ^2/NDF: 93.0/95



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: 27.660+/-0.006 χ^2/NDF: 3577845.0/25

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

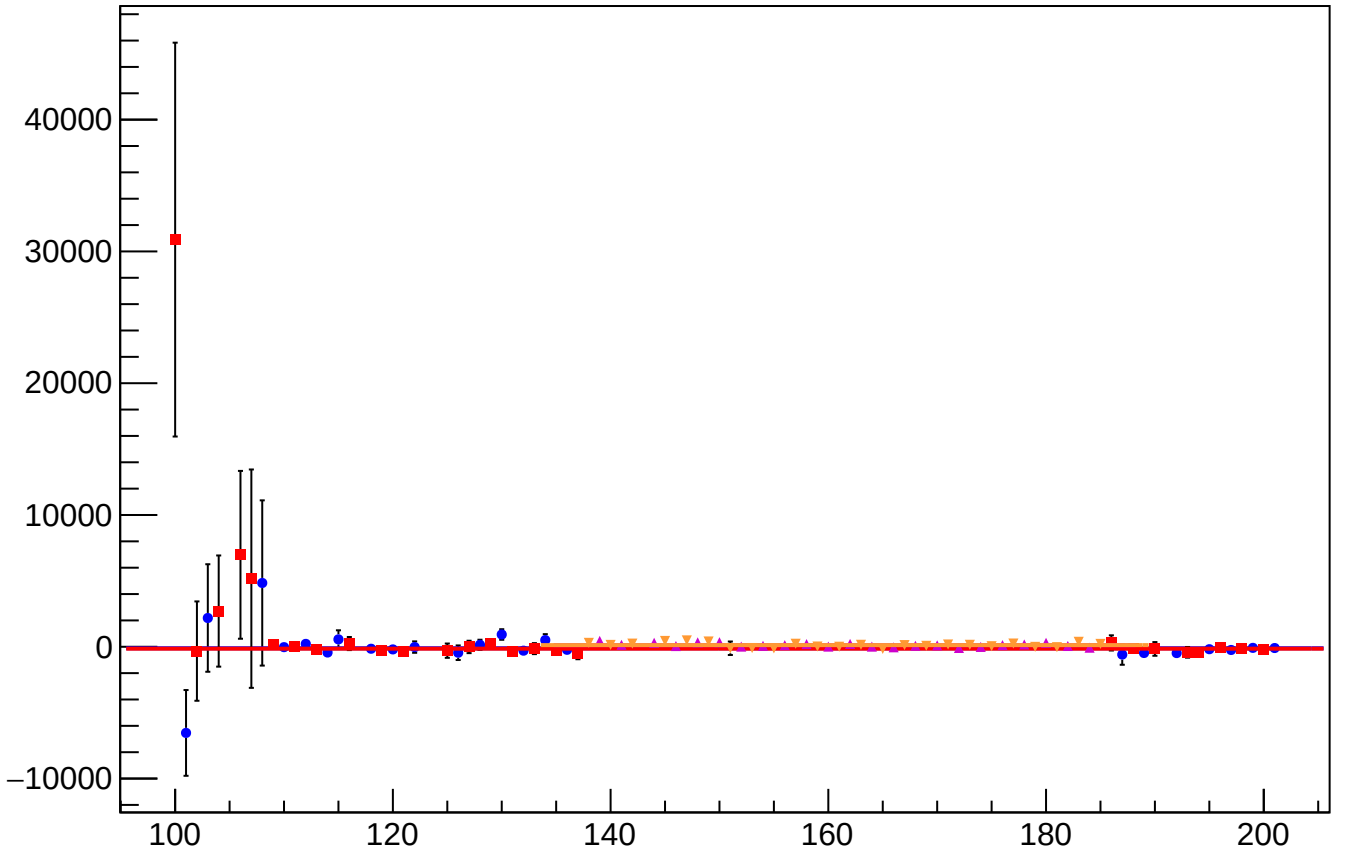
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.588+/-0.004 χ^2/NDF: 6853205.3/48

In: 28.254+/-0.004 χ^2/NDF:3427814.7/45

Out: 28.226+/-0.004 χ^2/NDF:3674260.1/49

All: 28.240+/-0.003 χ^2/NDF: 7102103.0/95



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: -143.750+/-55.831 χ^2/NDF: 16.9/25

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

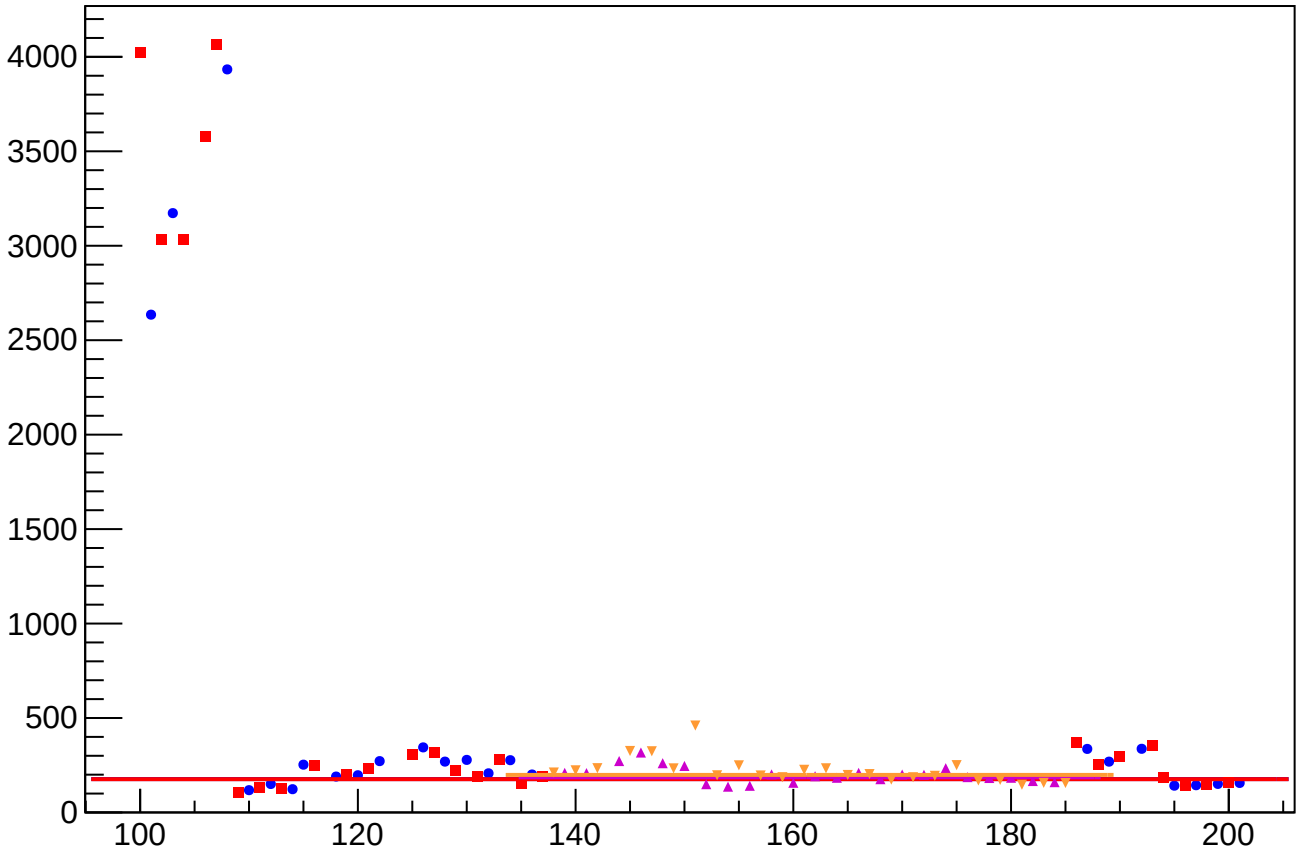
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -128.876+/-39.759 χ^2/NDF: 39.8/48

In: 30.832+/-35.327 χ^2/NDF:41.4/45

Out: 11.975+/-36.333 χ^2/NDF:42.0/49

All: 21.668+/-25.328 χ^2/NDF: 83.5/95



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: 176.155+/-0.039 χ^2/NDF: 5310507.0/25

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

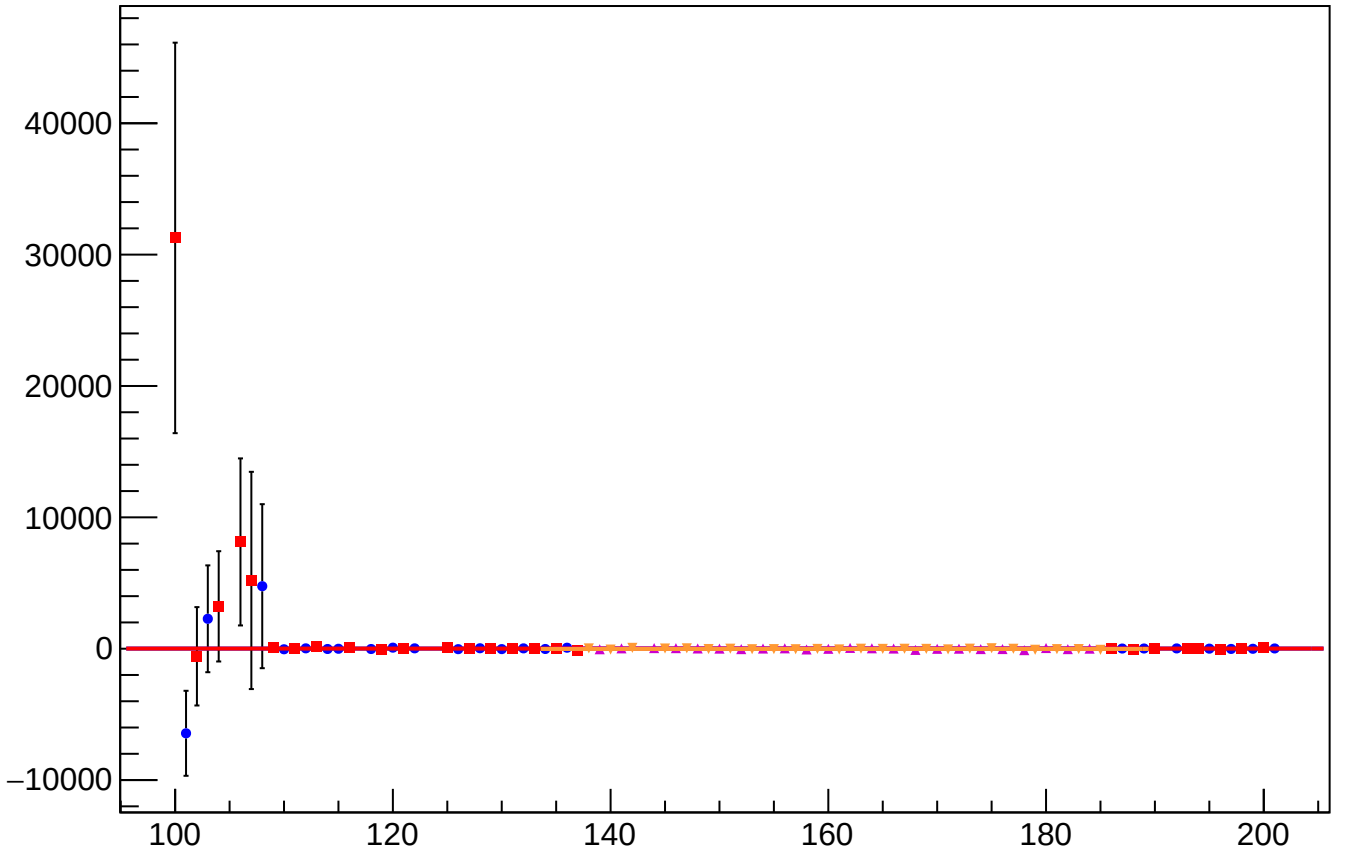
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 176.397+/-0.028 χ^2/NDF: 10119273.5/48

In: 182.282+/-0.025 χ^2/NDF:6246628.7/45

Out: 189.173+/-0.026 χ^2/NDF:7285524.7/49

All: 185.631+/-0.018 χ^2/NDF: 13569133.1/95



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: 9.602+/-9.127 χ^2/NDF: 36.6/25

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

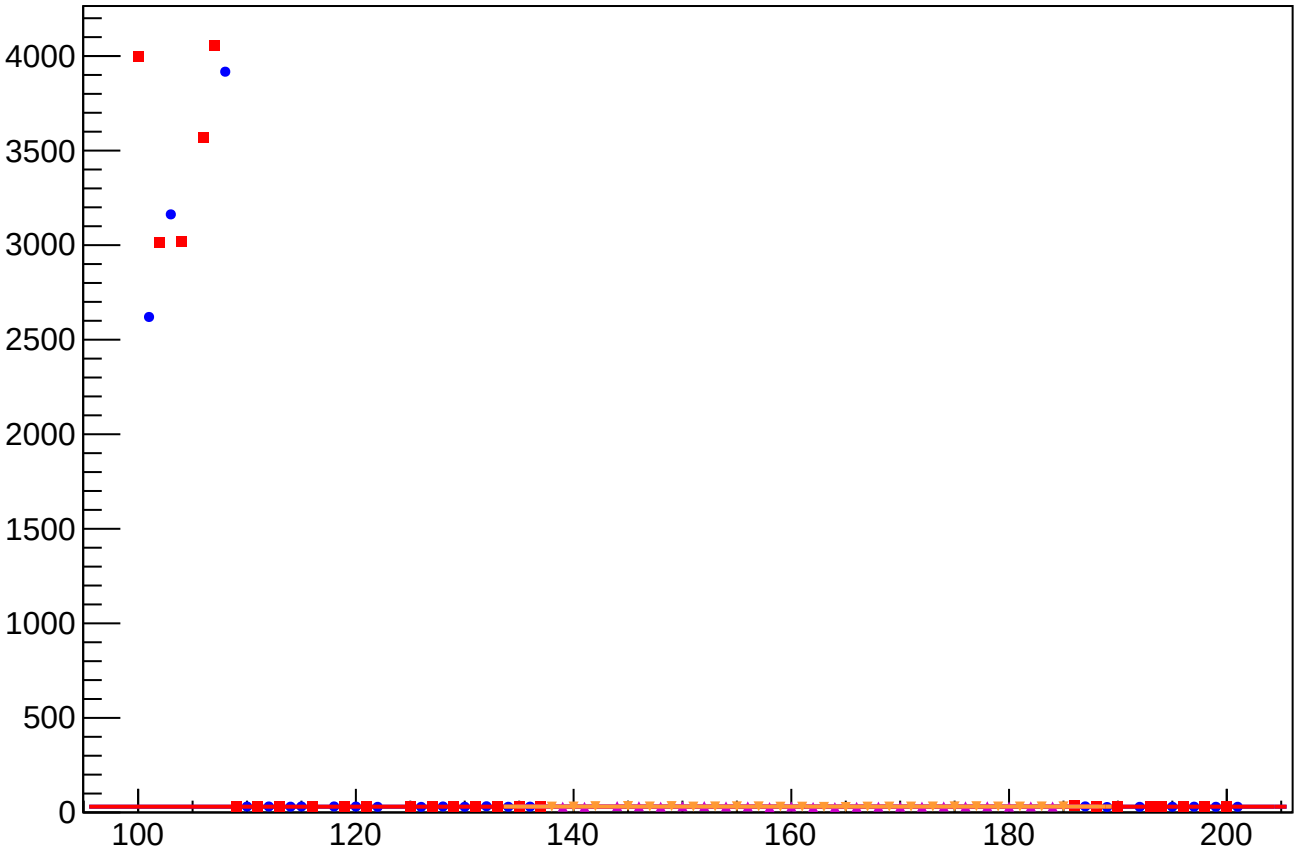
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 9.810+/-6.514 χ^2/NDF: 53.4/48

In: 2.185+/-5.766 χ^2/NDF:53.4/45

Out: -7.419+/-5.681 χ^2/NDF:62.6/49

All: -2.687+/-4.047 χ^2/NDF: 117.5/95



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: 30.547+/-0.006 χ^2/NDF: 3555873.1/25

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

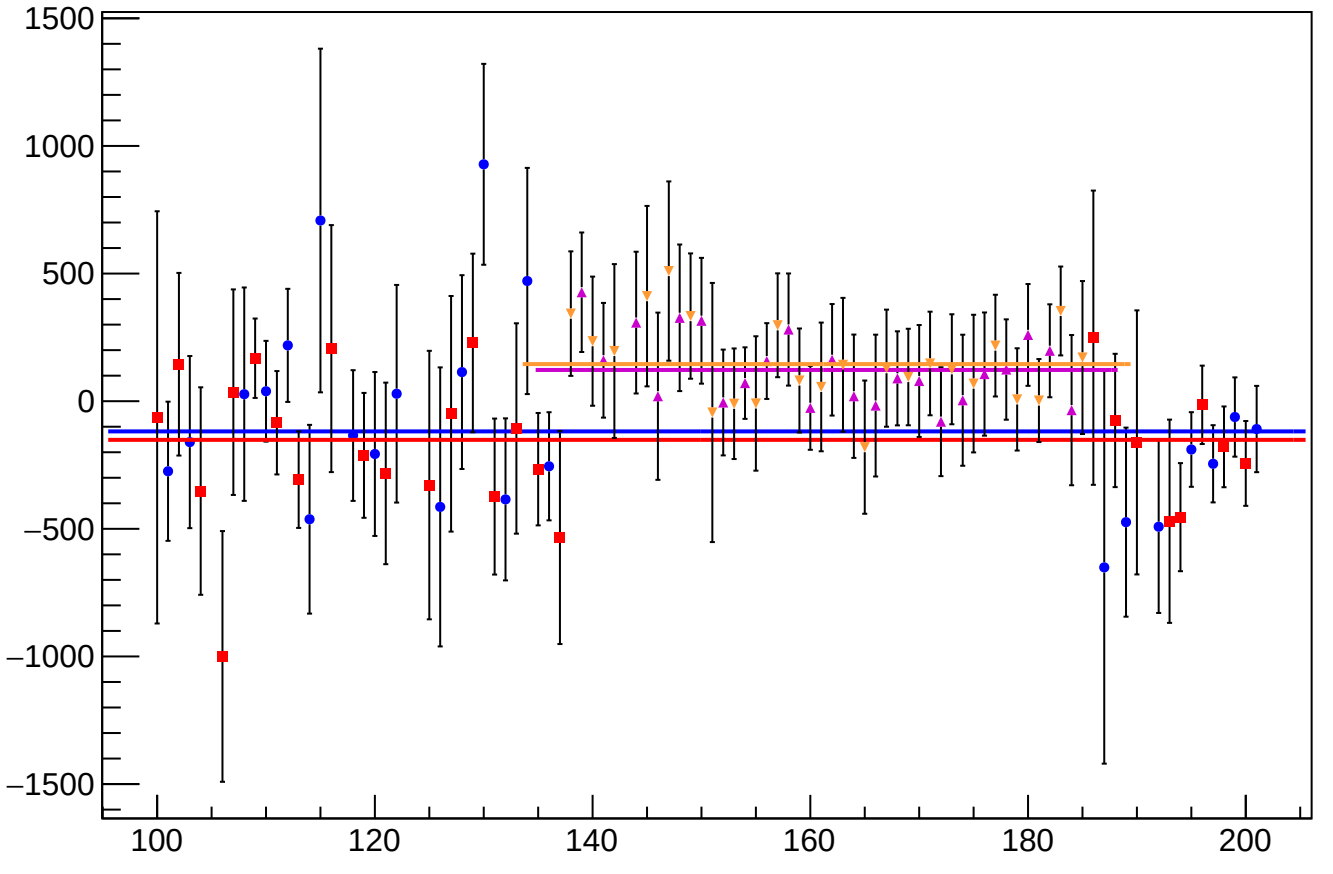
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.488+/-0.005 χ^2/NDF: 6819279.5/48

In: 31.014+/-0.004 χ^2/NDF:3361361.4/45

Out: 30.960+/-0.004 χ^2/NDF:3609992.8/49

All: 30.986+/-0.003 χ^2/NDF: 6971442.4/95



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: -151.465+/-51.548 χ^2/NDF: 17.3/25

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

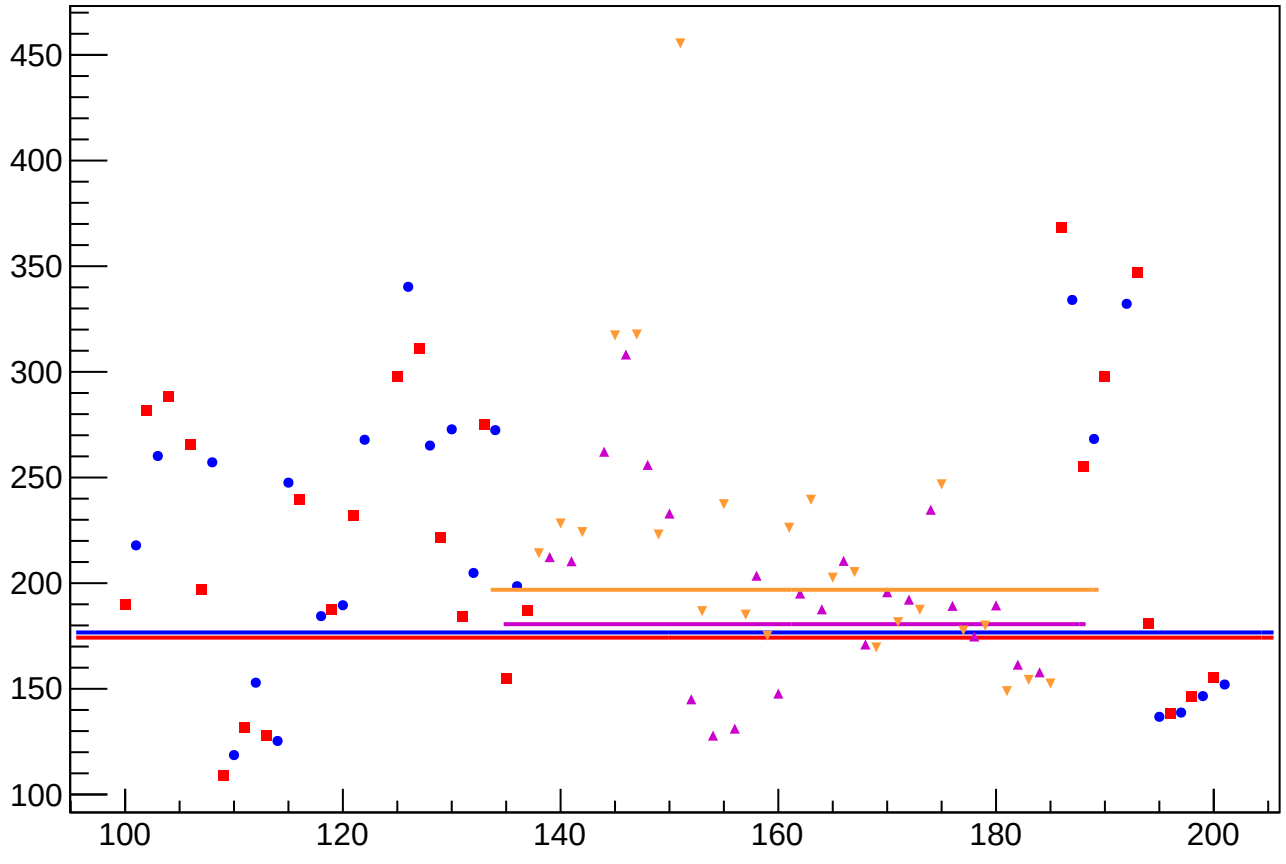
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -135.420+/-37.034 χ^2/NDF: 37.8/48

In: 24.492+/-33.954 χ^2/NDF:40.3/45

Out: 9.373+/-34.887 χ^2/NDF:44.6/49

All: 17.138+/-24.332 χ^2/NDF: 85.0/95



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: 174.225+/-0.036 χ^2/NDF: 2643261.2/25

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

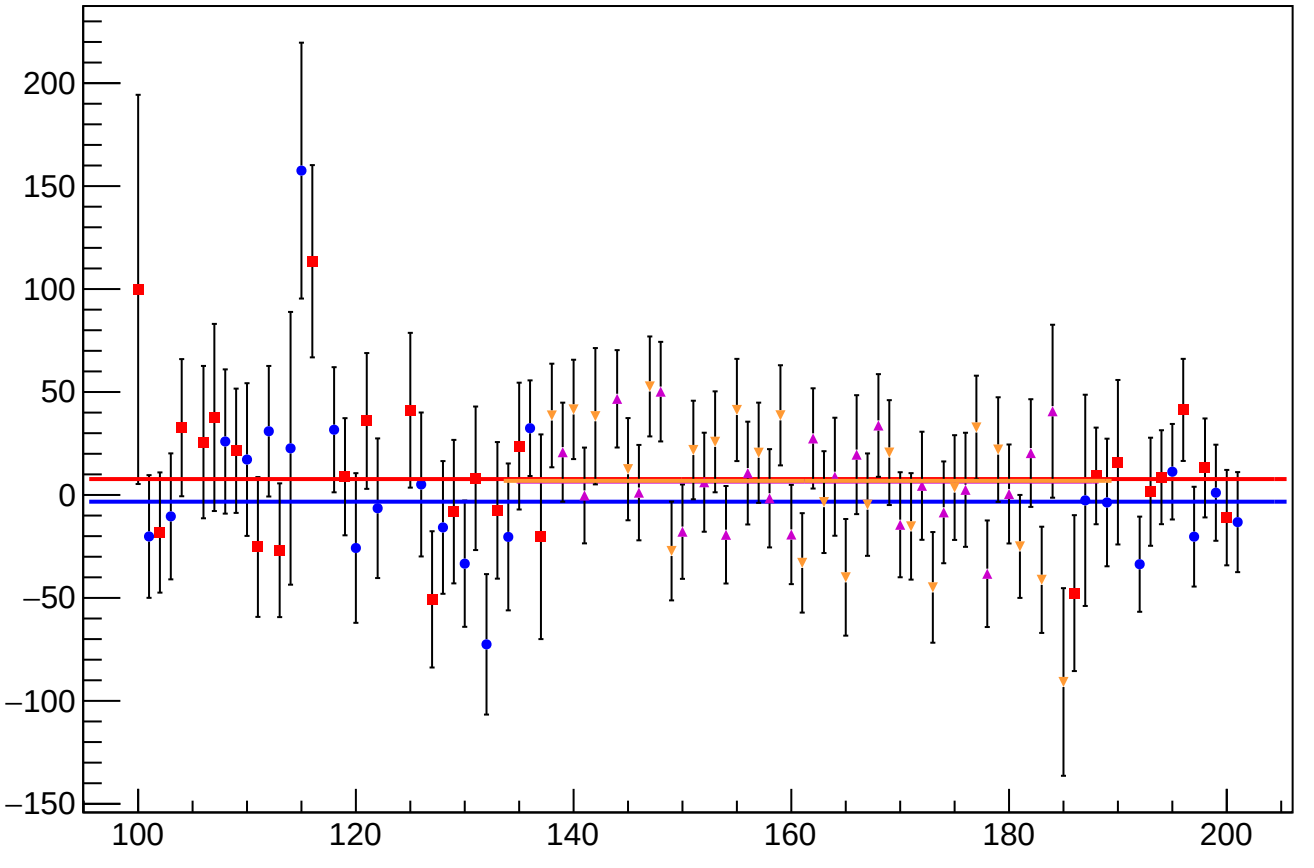
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 175.409+/-0.026 χ^2/NDF: 4801219.4/48

In: 179.004+/-0.024 χ^2/NDF:3790310.8/45

Out: 186.499+/-0.025 χ^2/NDF:4577594.7/49

All: 182.650+/-0.017 χ^2/NDF: 8415317.2/95



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: 7.722+/-6.166 χ^2/NDF: 20.8/25

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

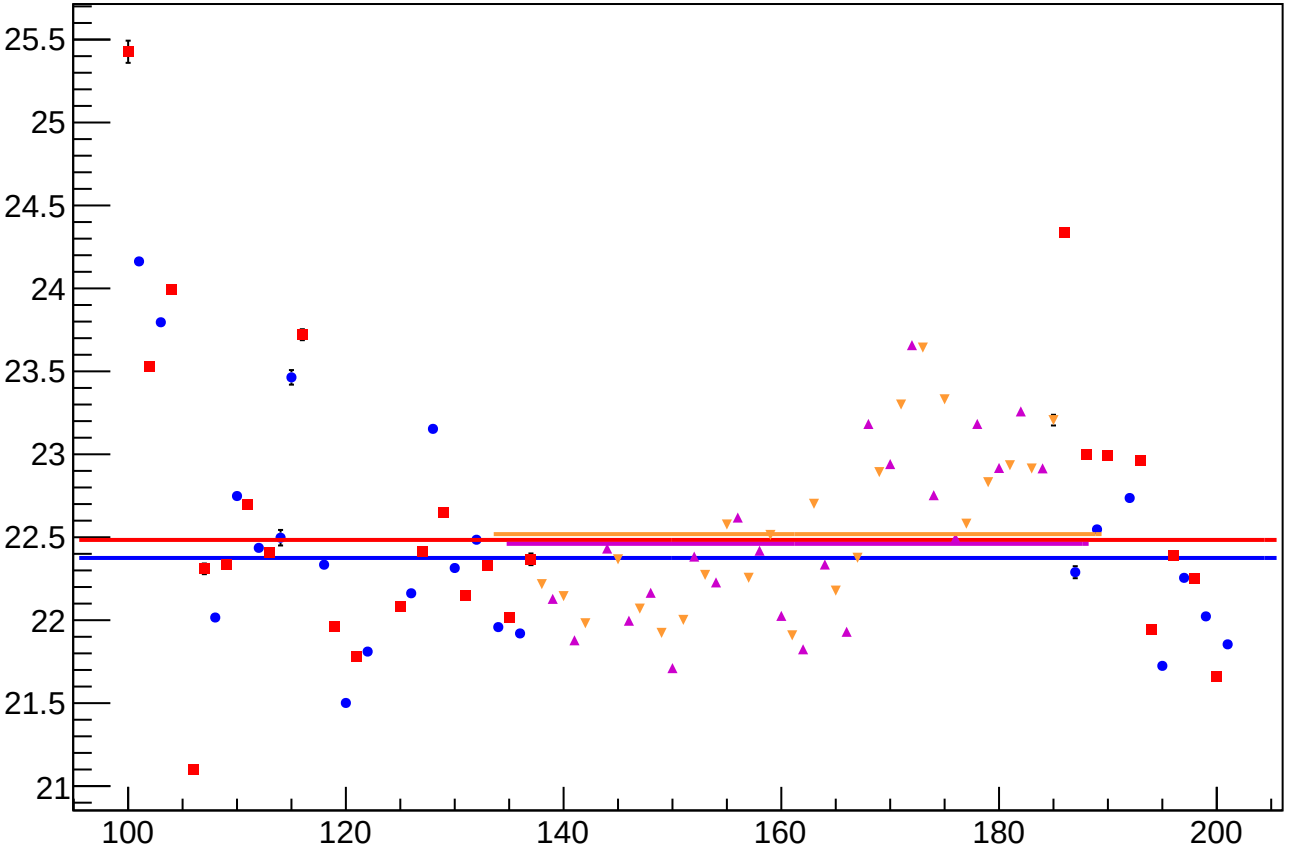
Right: 2.404+/-4.430 χ^2/NDF: 44.2/48

In: 2.540+/-4.049 χ^2/NDF:40.6/45

Out: 7.219+/-3.988 χ^2/NDF:57.7/49

All: 4.915+/-2.841 χ^2/NDF: 99.0/95

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: 22.484+/-0.004 χ^2/NDF: 26164.1/25

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

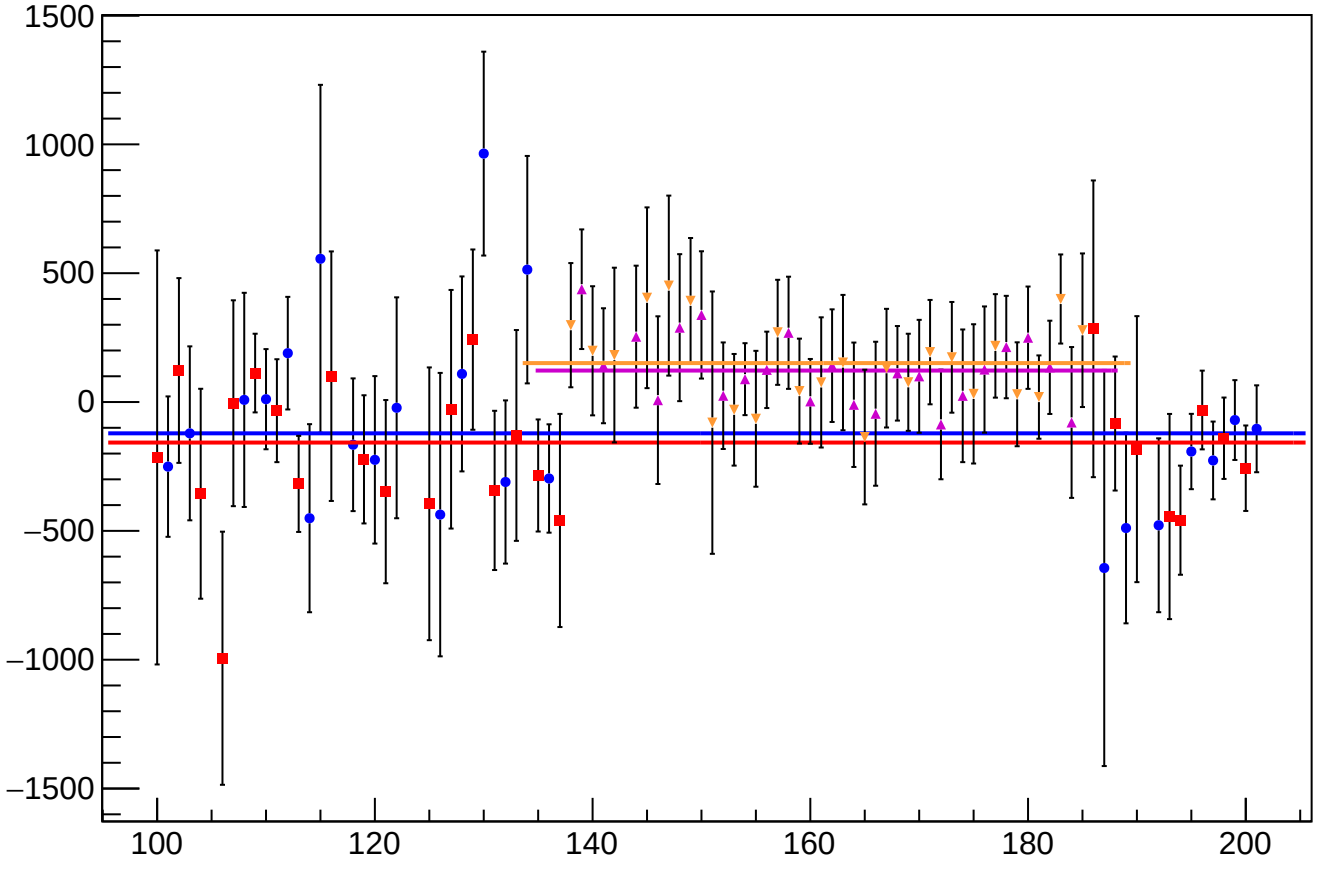
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.431+/-0.003 χ^2/NDF: 46593.4/48

In: 22.426+/-0.003 χ^2/NDF:39458.4/45

Out: 22.504+/-0.003 χ^2/NDF:42200.1/49

All: 22.466+/-0.002 χ^2/NDF: 82039.6/95



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: -157.278+/-51.286 χ^2/NDF: 15.9/25

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

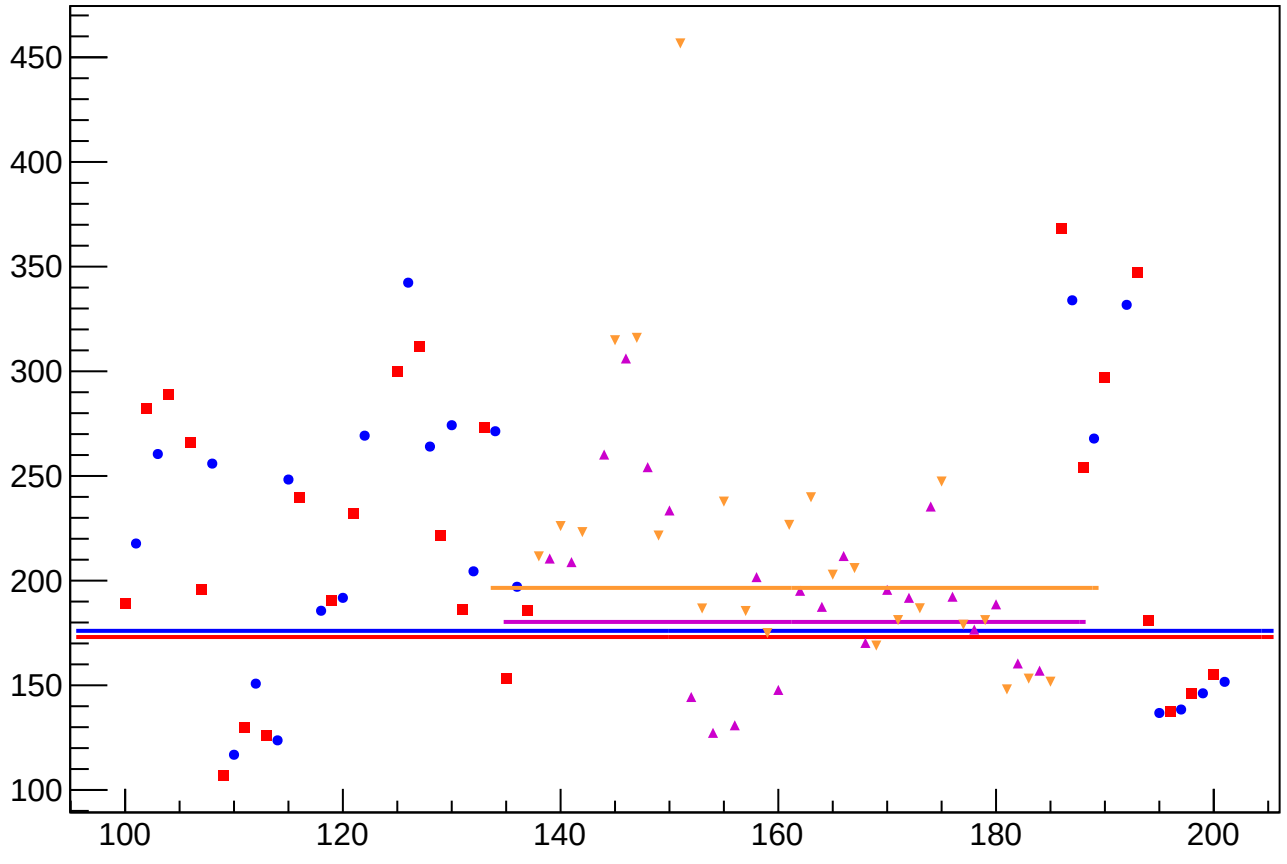
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -139.983+/-36.883 χ^2/NDF: 35.7/48

In: 22.930+/-33.878 χ^2/NDF:39.5/45

Out: 9.311+/-34.776 χ^2/NDF:45.4/49

All: 16.299+/-24.267 χ^2/NDF: 85.0/95



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: 173.059+/-0.036 χ^2/NDF: 2715945.6/25

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

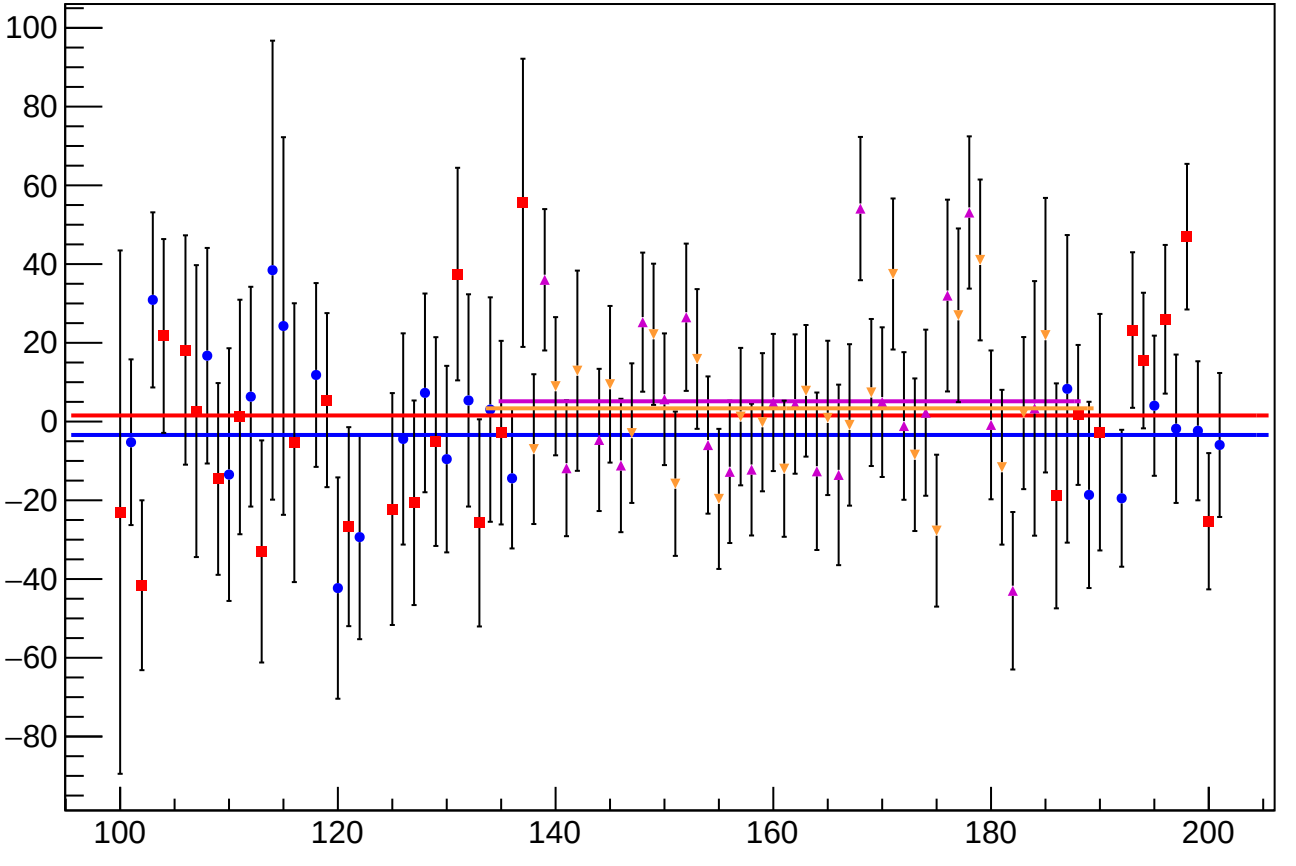
Right: 174.485+/-0.026 χ^2/NDF: 4905531.1/48

In: 178.539+/-0.024 χ^2/NDF:3818704.4/45

Out: 185.740+/-0.025 χ^2/NDF:4670181.1/49

All: 182.045+/-0.017 χ^2/NDF: 8532886.8/95

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: 1.551+/-4.748 χ^2/NDF: 27.4/25

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

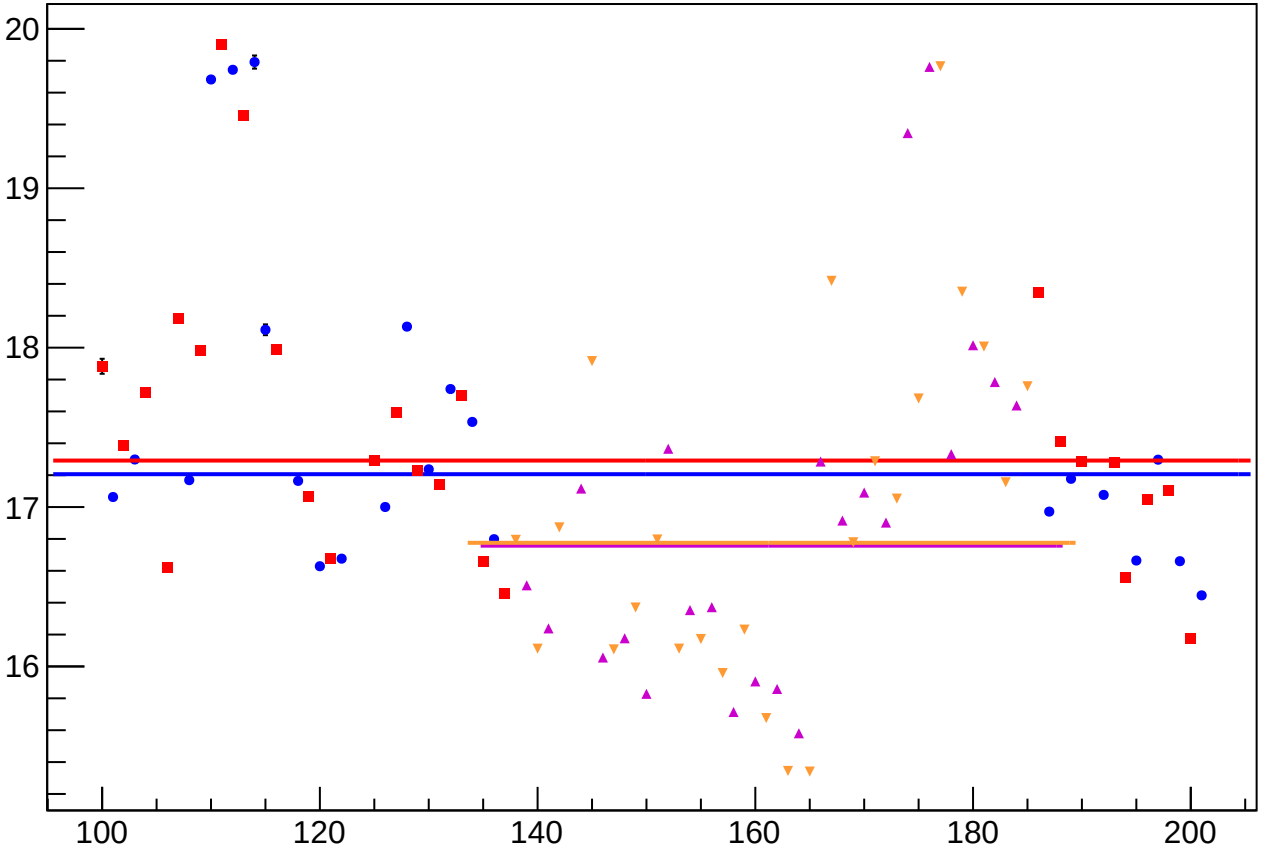
Right: -0.846+/-3.411 χ^2/NDF: 37.6/48

In: 1.811+/-3.064 χ^2/NDF:43.8/45

Out: 2.629+/-3.016 χ^2/NDF:45.2/49

All: 2.227+/-2.149 χ^2/NDF: 89.0/95

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: 17.292+/-0.003 χ^2/NDF: 52627.4/25

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

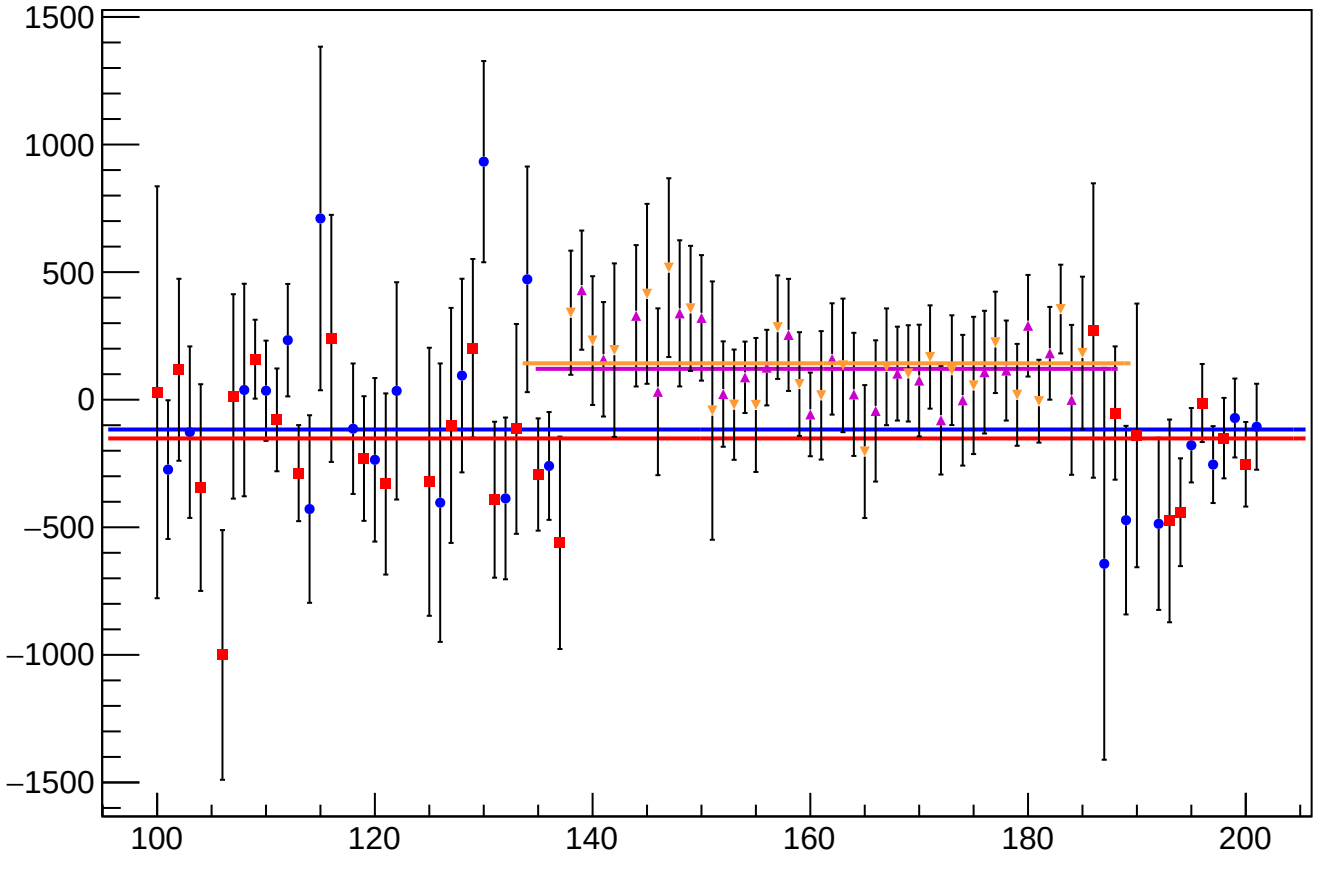
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.250+/-0.002 χ^2/NDF: 100195.3/48

In: 16.933+/-0.002 χ^2/NDF:180752.8/45

Out: 16.984+/-0.002 χ^2/NDF:202863.9/49

All: 16.959+/-0.002 χ^2/NDF: 383899.3/95



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: -151.806+/-51.398 χ^2/NDF: 17.3/25

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

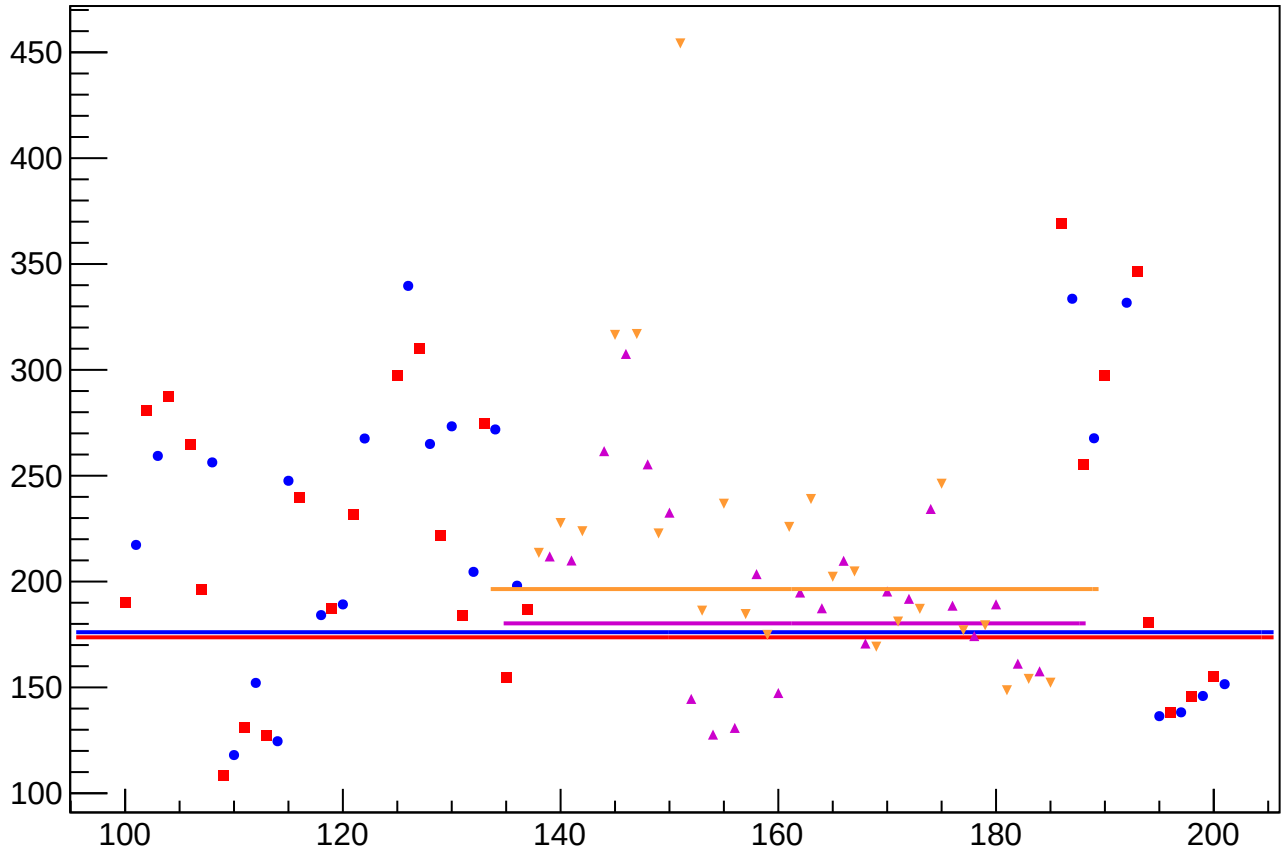
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -134.836+/-36.923 χ^2/NDF: 37.9/48

In: 24.116+/-33.872 χ^2/NDF:40.5/45

Out: 7.690+/-34.800 χ^2/NDF:45.2/49

All: 16.125+/-24.272 χ^2/NDF: 85.8/95



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: 173.659+/-0.036 χ^2/NDF: 2660178.0/25

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

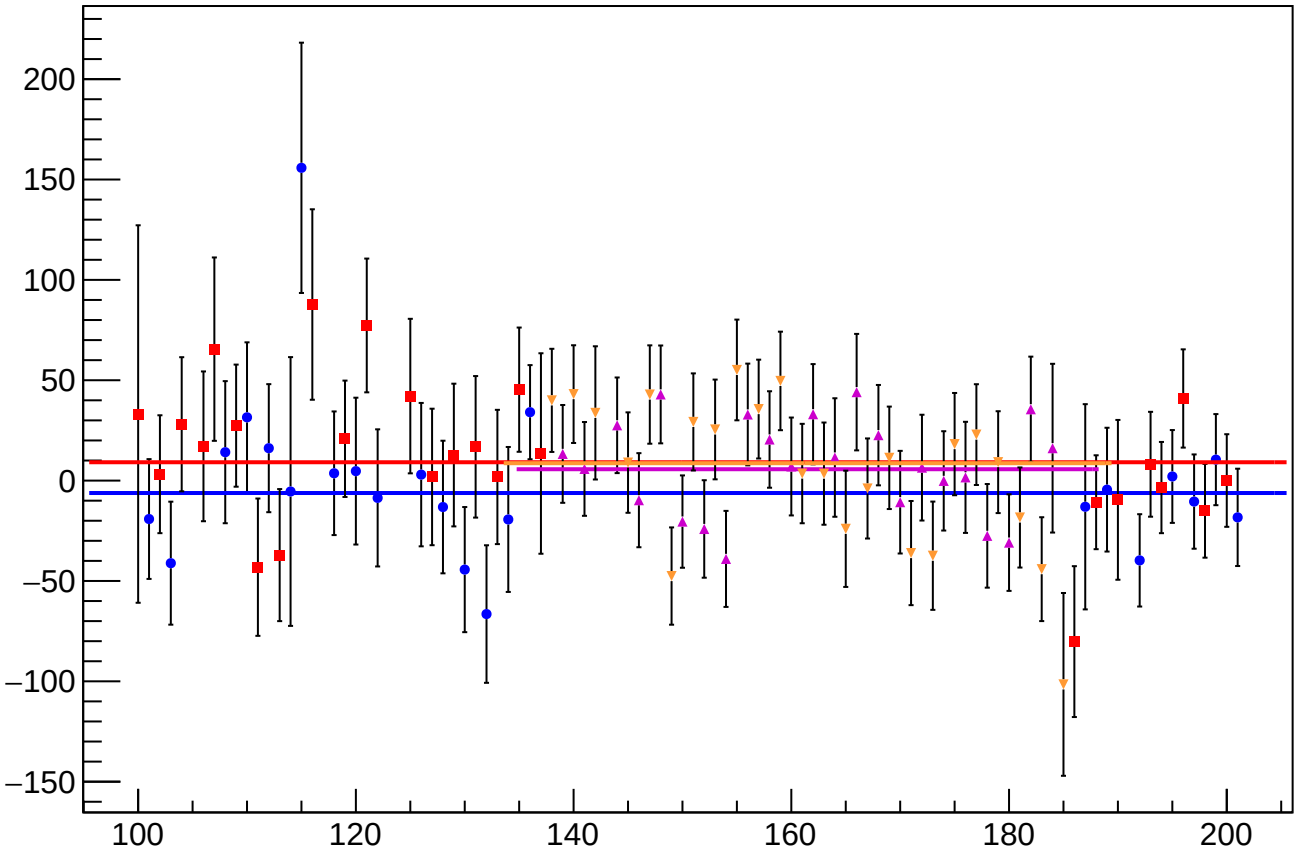
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 174.828+/-0.026 χ^2/NDF: 4831352.4/48

In: 178.548+/-0.024 χ^2/NDF:3804143.7/45

Out: 186.003+/-0.025 χ^2/NDF:4596709.7/49

All: 182.175+/-0.017 χ^2/NDF: 8447986.6/95



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: 9.144+/-6.180 χ^2/NDF: 25.8/25

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

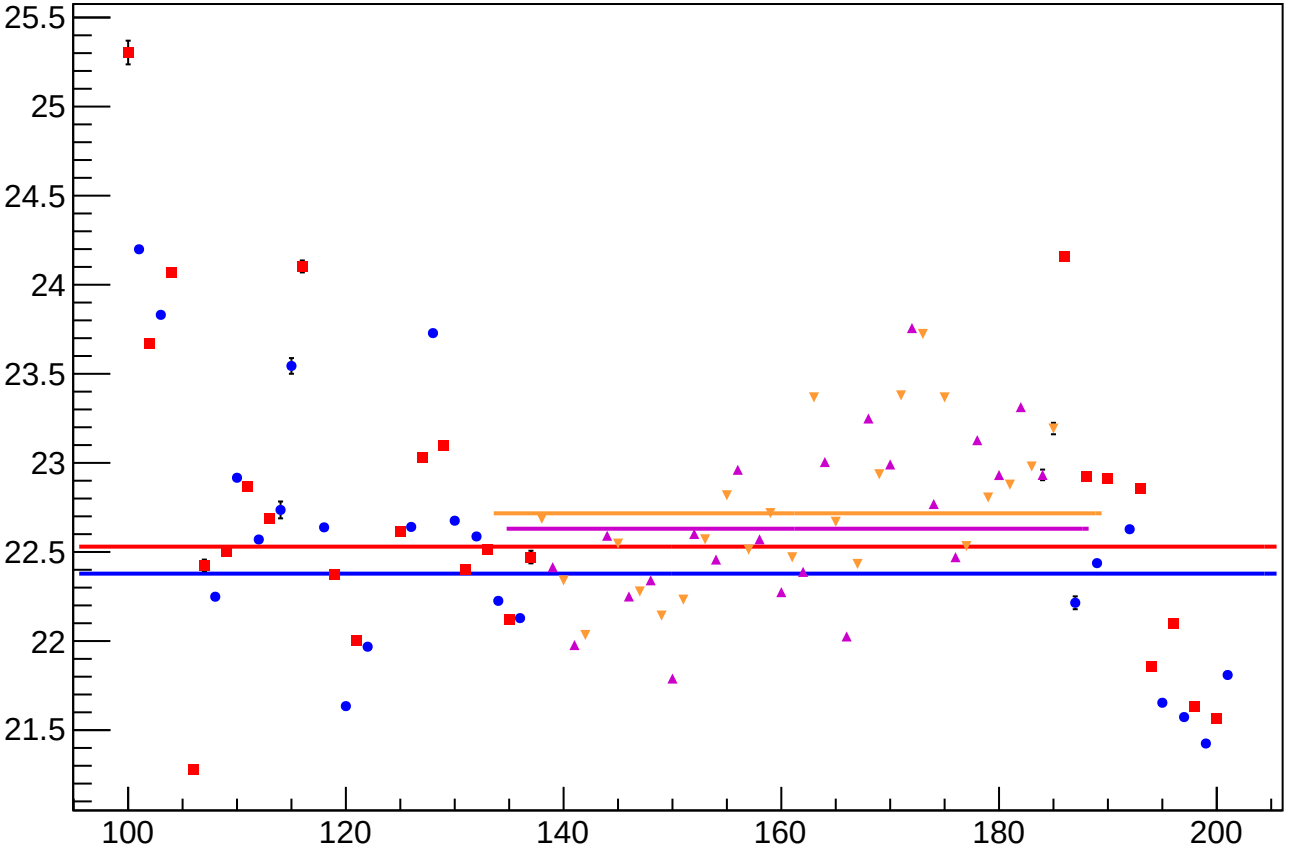
Right: 1.714+/-4.436 χ^2/NDF: 50.0/48

In: 0.835+/-4.068 χ^2/NDF:44.0/45

Out: 8.867+/-4.012 χ^2/NDF:65.0/49

All: 4.907+/-2.857 χ^2/NDF: 111.0/95

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: 22.530+/-0.004 χ^2/NDF: 29231.4/25

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

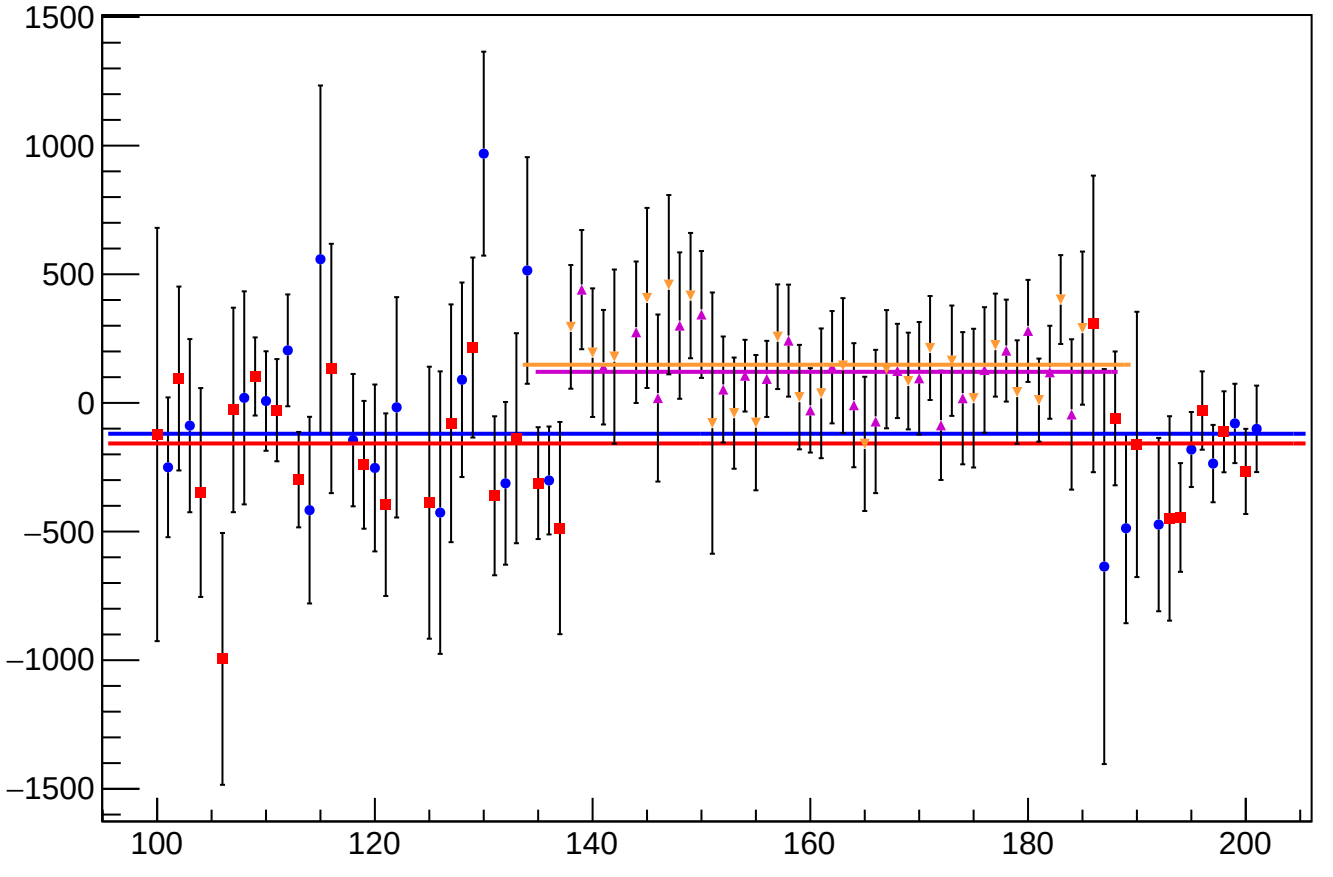
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.456+/-0.003 χ^2/NDF: 57457.7/48

In: 22.528+/-0.003 χ^2/NDF:44890.0/45

Out: 22.638+/-0.003 χ^2/NDF:42468.9/49

All: 22.584+/-0.002 χ^2/NDF: 88105.6/95



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: -157.615+/-51.134 χ^2/NDF: 16.0/25

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

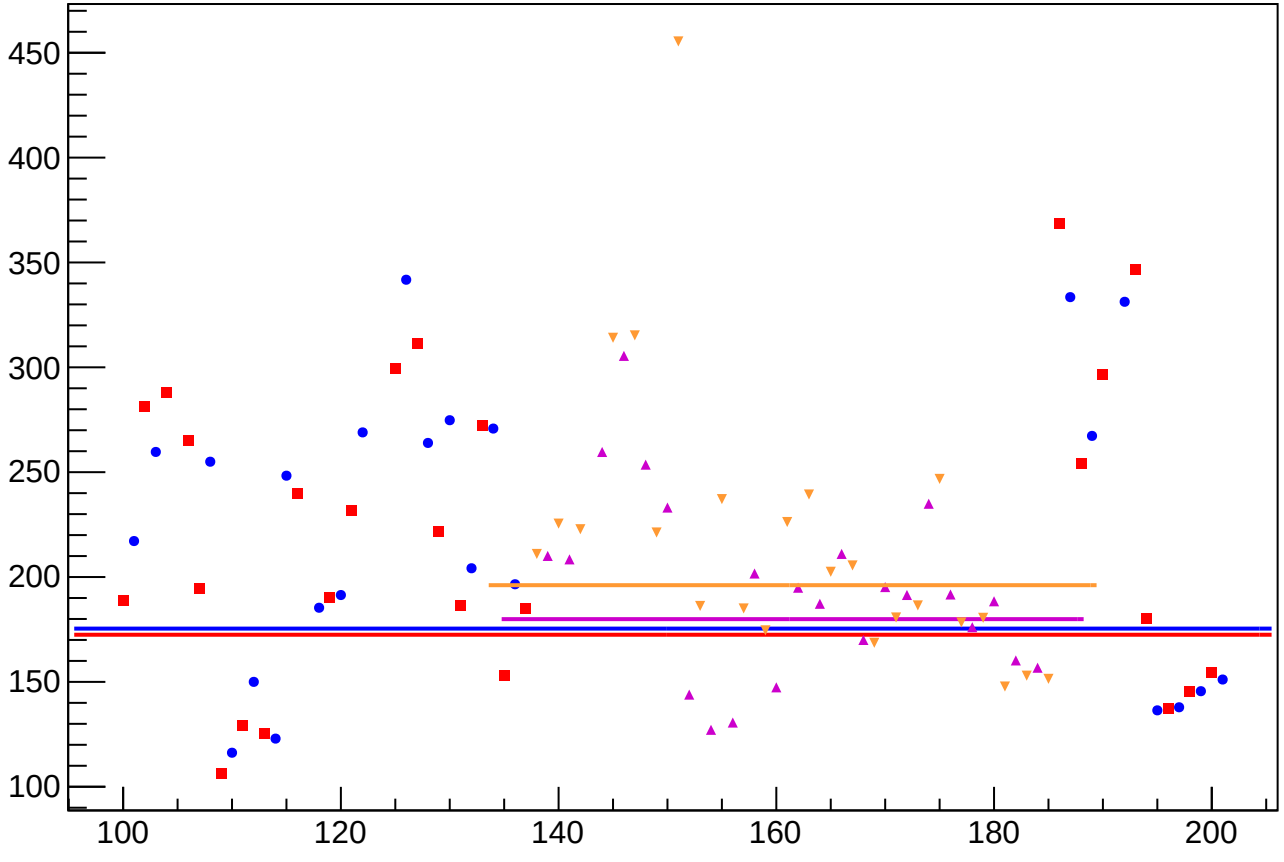
Right: -139.389+/-36.771 χ^2/NDF: 35.9/48

In: 22.606+/-33.795 χ^2/NDF:39.8/45

Out: 7.586+/-34.688 χ^2/NDF:46.2/49

All: 15.291+/-24.206 χ^2/NDF: 86.1/95

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



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: 172.484+/-0.036 χ^2/NDF: 2733765.4/25

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

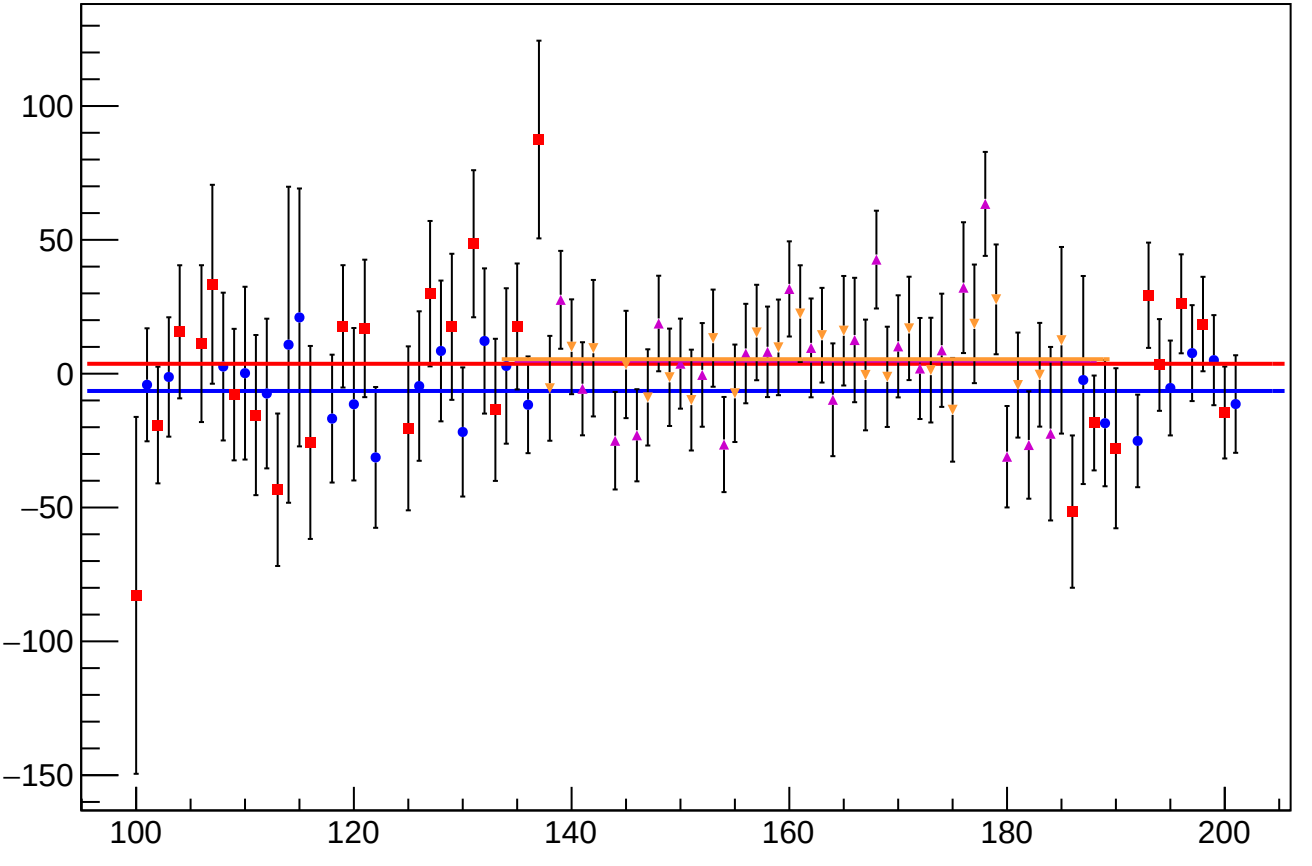
Right: 173.896+/-0.026 χ^2/NDF: 4937115.5/48

In: 178.082+/-0.024 χ^2/NDF:3832957.6/45

Out: 185.238+/-0.025 χ^2/NDF:4690577.9/49

All: 181.567+/-0.017 χ^2/NDF: 8567212.3/95

asym_bcm_dg_ds_an_ds_dd_mean vs Slug, Sign Corrected



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: 3.696+/-4.759 χ^2/NDF: 30.2/25

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

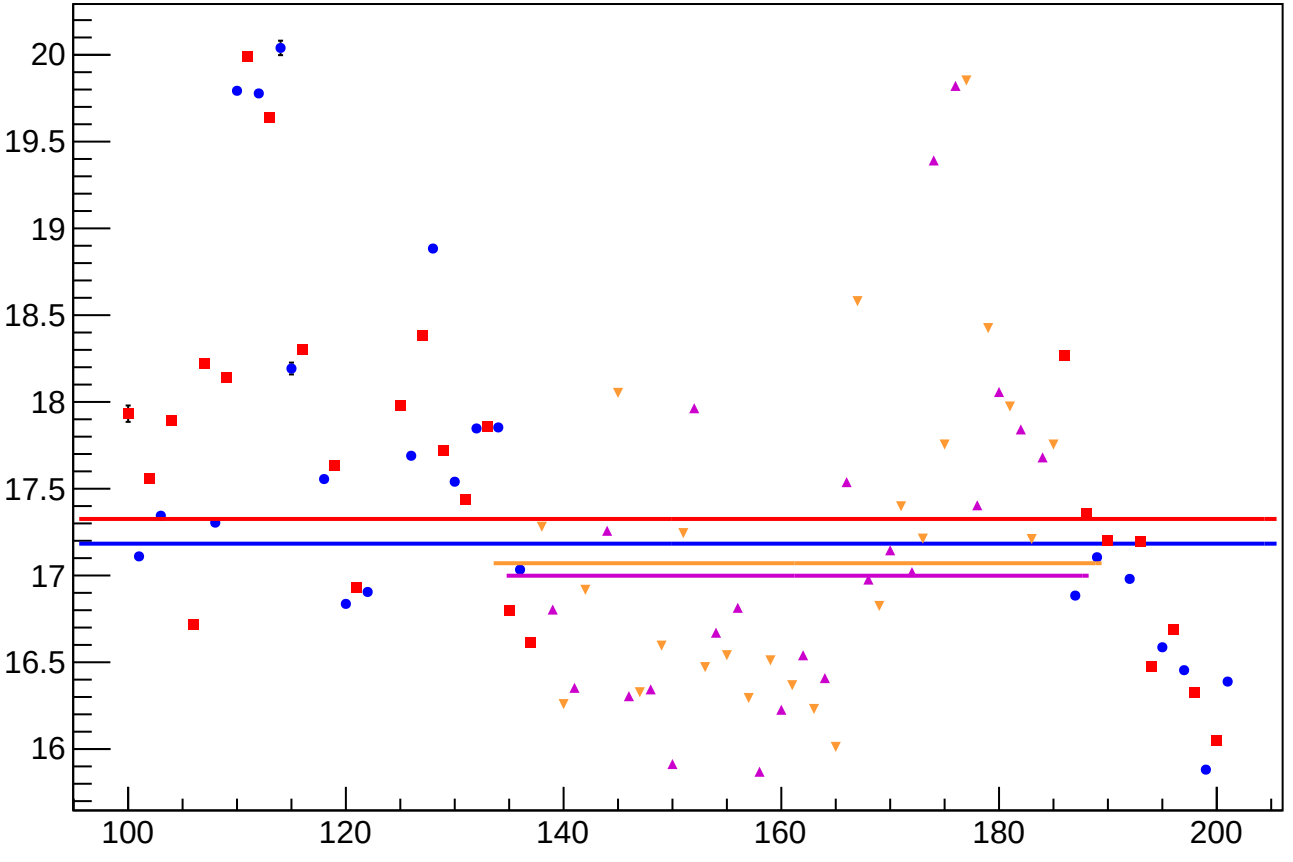
Right: -1.235+/-3.414 χ^2/NDF: 38.2/48

In: 0.358+/-3.089 χ^2/NDF:44.5/45

Out: 4.704+/-3.049 χ^2/NDF:38.1/49

All: 2.559+/-2.170 χ^2/NDF: 83.5/95

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: 17.326+/-0.003 χ^2/NDF: 70987.7/25

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

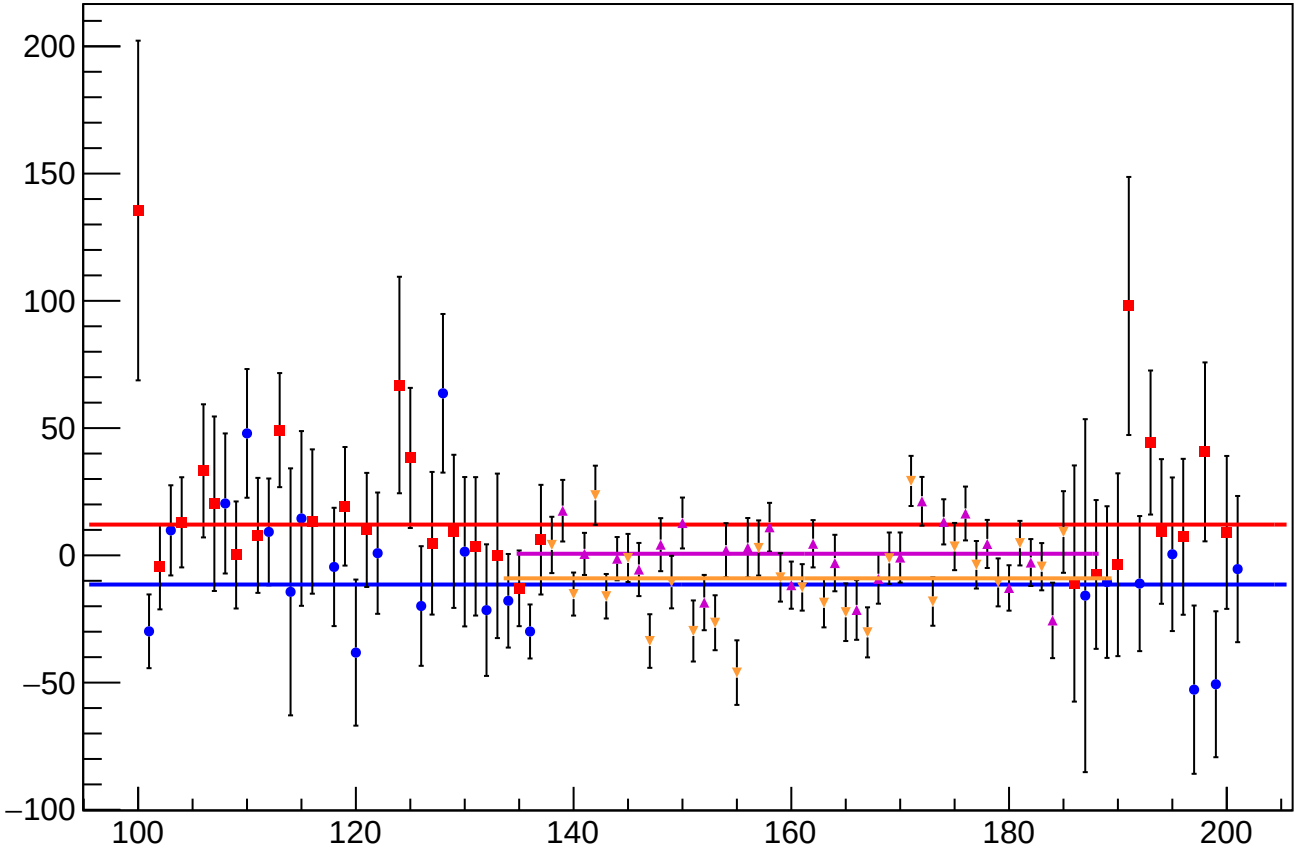
Right: 17.257+/-0.002 χ^2/NDF: 142500.7/48

In: 17.072+/-0.002 χ^2/NDF:176376.4/45

Out: 17.175+/-0.002 χ^2/NDF:170686.6/49

All: 17.124+/-0.002 χ^2/NDF: 348195.3/95

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -11.463+/-4.782 χ^2/NDF: 25.7/22

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 12.091+/-4.873 χ^2/NDF: 19.9/27

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

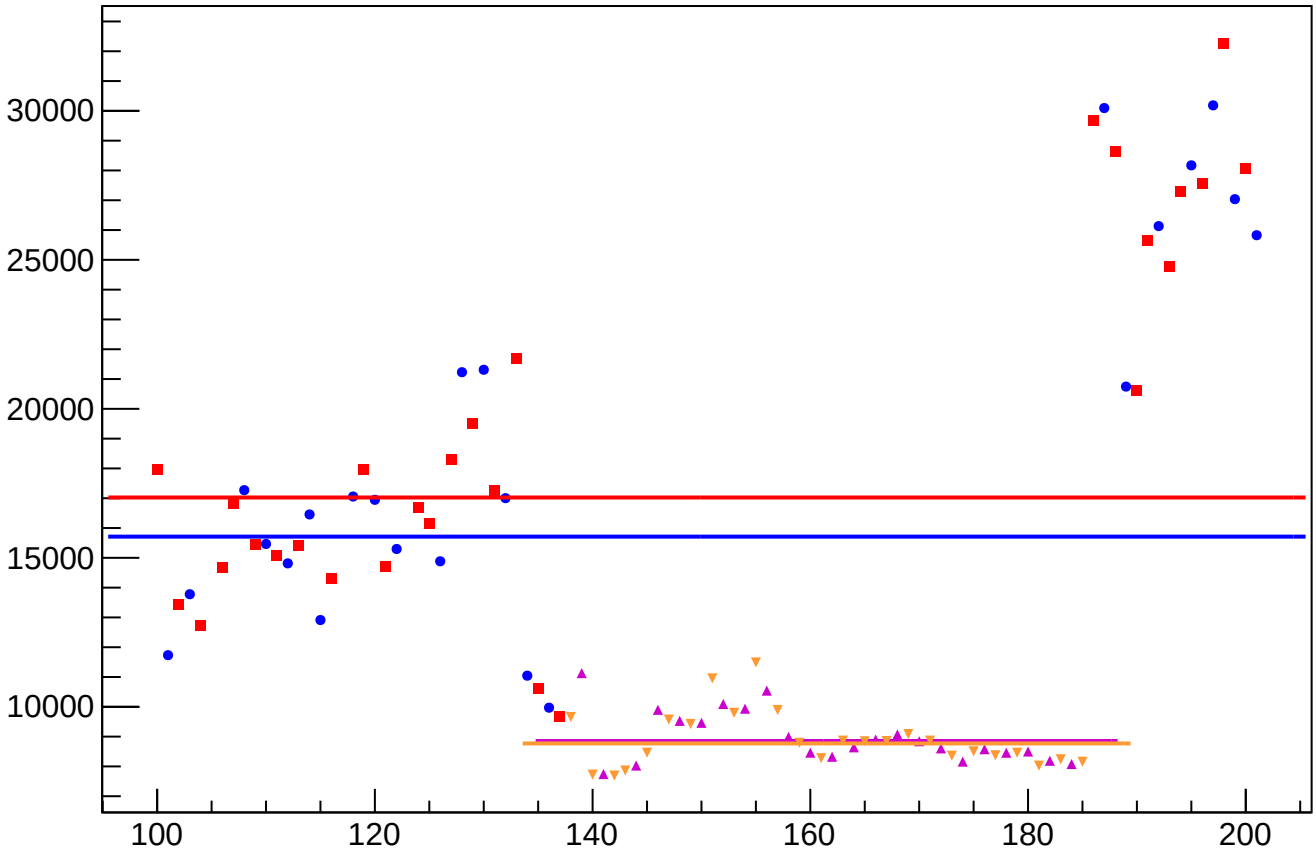
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: 0.090+/-3.413 χ^2/NDF: 57.5/50

In: -1.295+/-1.907 χ^2/NDF:60.6/45

Out: -5.966+/-1.855 χ^2/NDF:97.9/52

All: -3.695+/-1.330 χ^2/NDF: 161.6/98



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: 17025.100+/-3.446 χ^2/NDF: 2805745.6/27

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

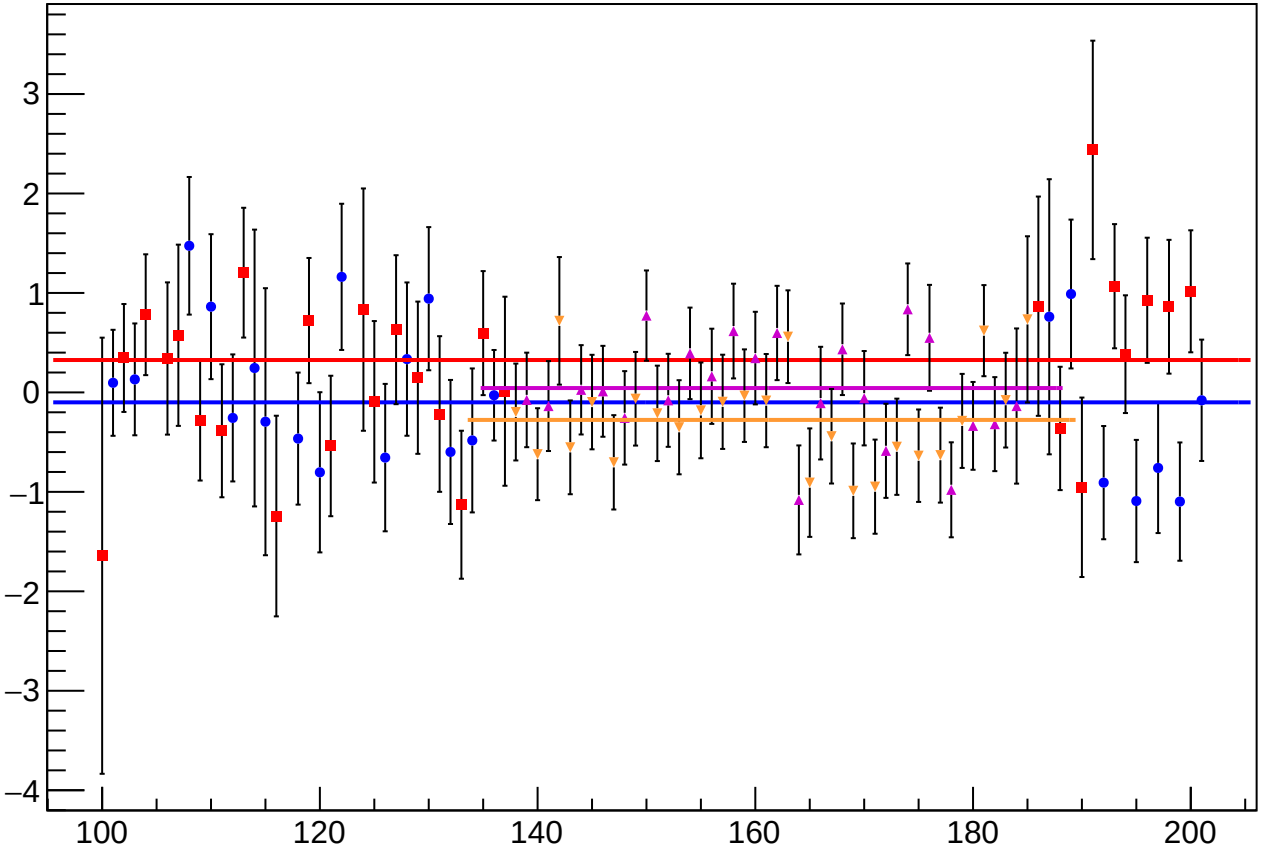
Right: 16355.757+/-2.413 χ^2/NDF: 5682398.5/50

In: 9943.443+/-1.348 χ^2/NDF:6562760.9/45

Out: 9966.804+/-1.312 χ^2/NDF:8057593.3/52

All: 9955.443+/-0.940 χ^2/NDF: 14620508.5/9

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: 0.326+/-0.137 χ^2/NDF: 26.4/27

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

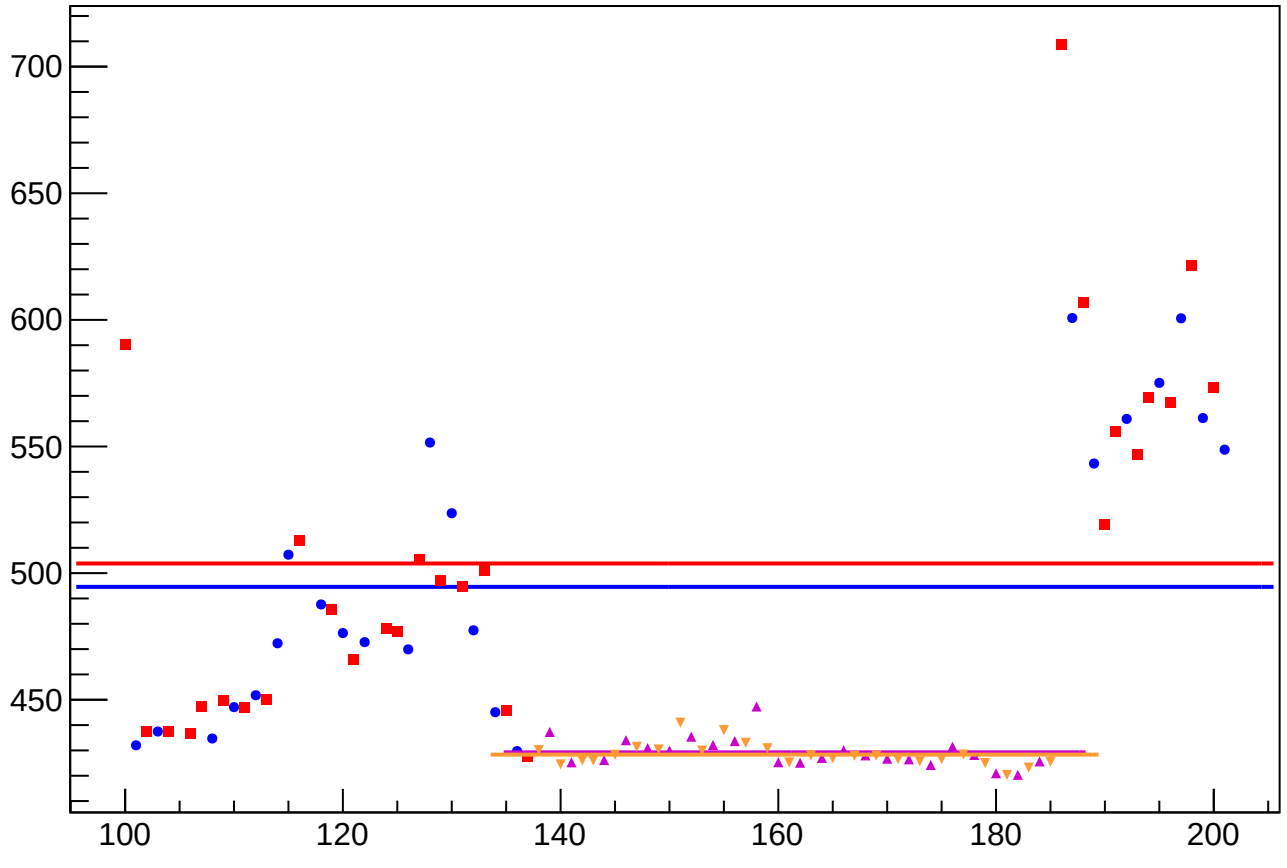
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.120+/-0.099 χ^2/NDF: 57.1/50

In: -0.004+/-0.082 χ^2/NDF:50.6/45

Out: -0.075+/-0.079 χ^2/NDF:60.2/52

All: -0.041+/-0.057 χ^2/NDF: 111.2/98



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: 503.808+/-0.097 χ^2/NDF: 435641.0/27

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

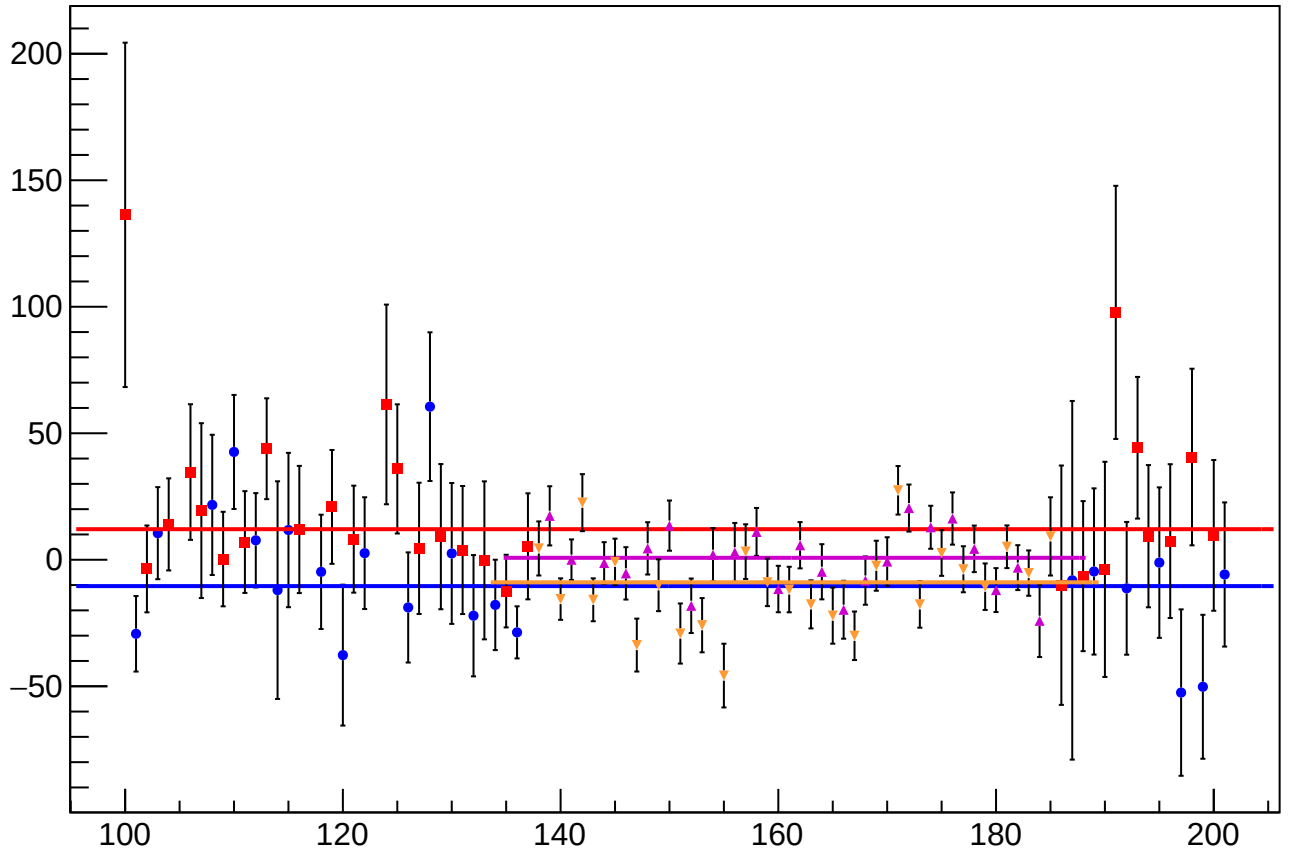
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

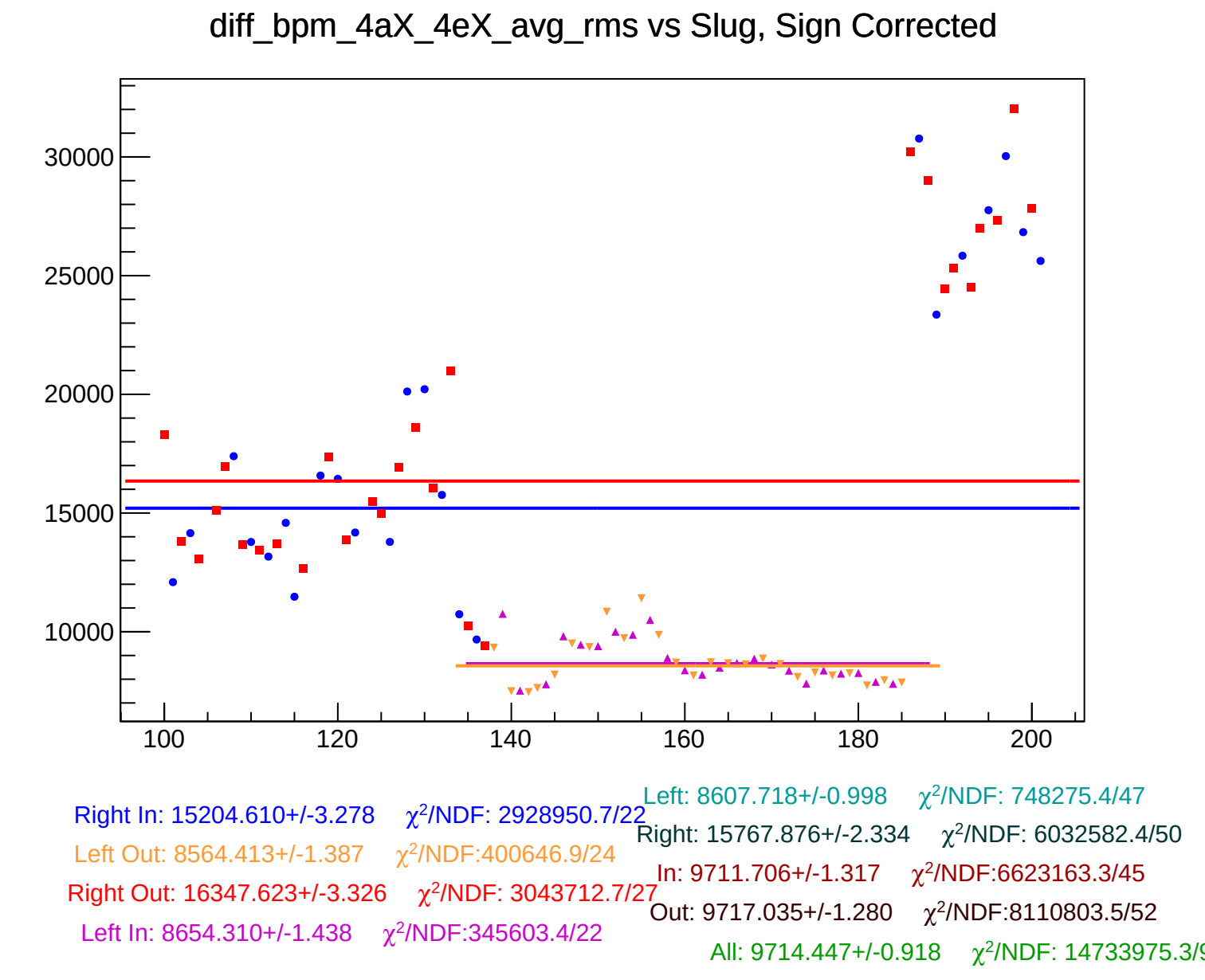
Right: 499.340+/-0.070 χ^2/NDF: 766991.1/50

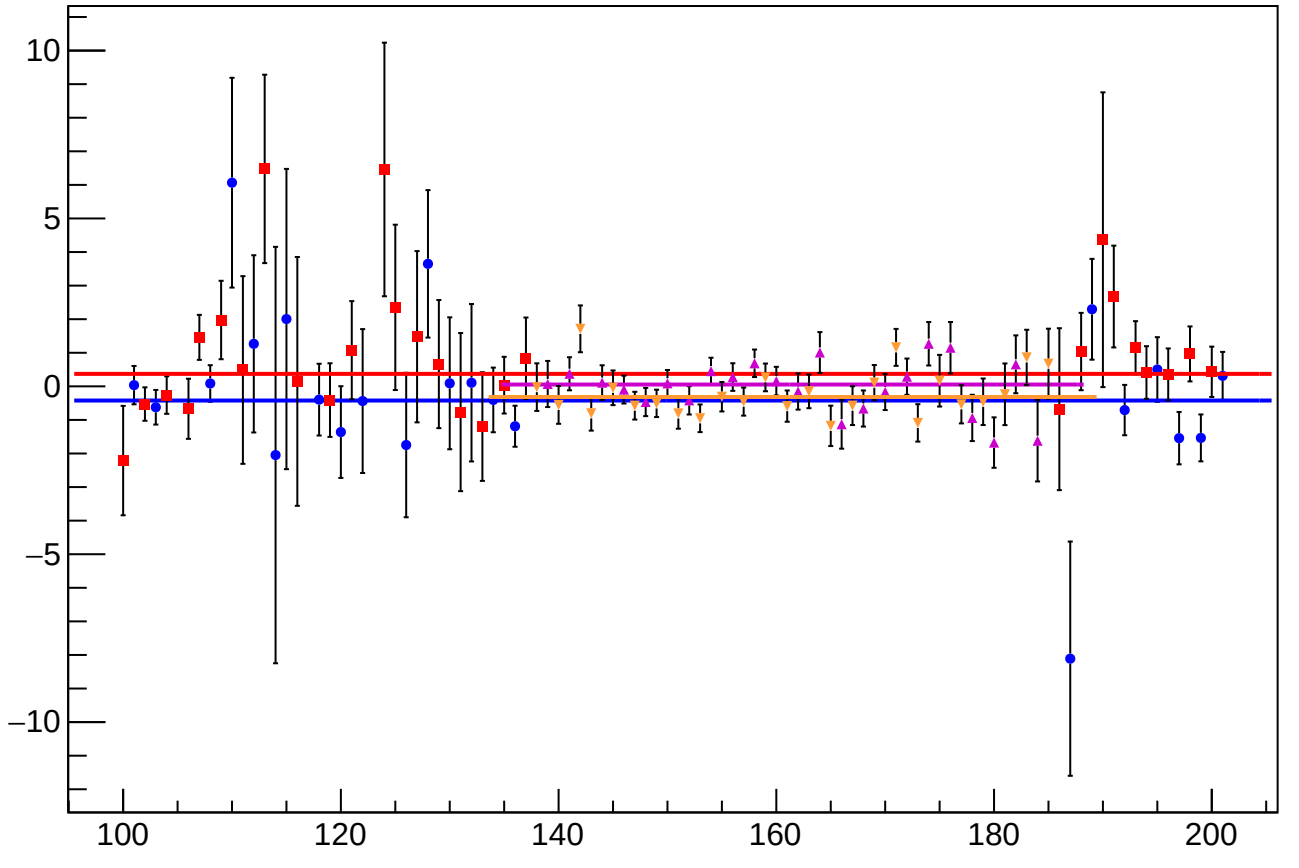
In: 451.022+/-0.058 χ^2/NDF:617231.3/45

Out: 453.600+/-0.056 χ^2/NDF:842267.5/52

All: 452.350+/-0.040 χ^2/NDF: 1460521.3/98


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -10.415+/-4.636 χ²/NDF: 26.1/22
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 12.088+/-4.703 χ²/NDF: 19.6/27
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.674+/-3.301 χ²/NDF: 57.4/50
In: -1.033+/-1.863 χ²/NDF:60.3/45
Out: -5.795+/-1.810 χ²/NDF:98.2/52
All: -3.483+/-1.298 χ²/NDF: 161.9/98


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: 16347.623+/-3.326 χ²/NDF: 3043712.7/27
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 15767.876+/-2.334 χ²/NDF: 6032582.4/50
In: 9711.706+/-1.317 χ²/NDF:6623163.3/45
Out: 9717.035+/-1.280 χ²/NDF:8110803.5/52
All: 9714.447+/-0.918 χ²/NDF: 14733975.3/9



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: 0.371+/-0.195 χ^2/NDF: 28.5/27

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

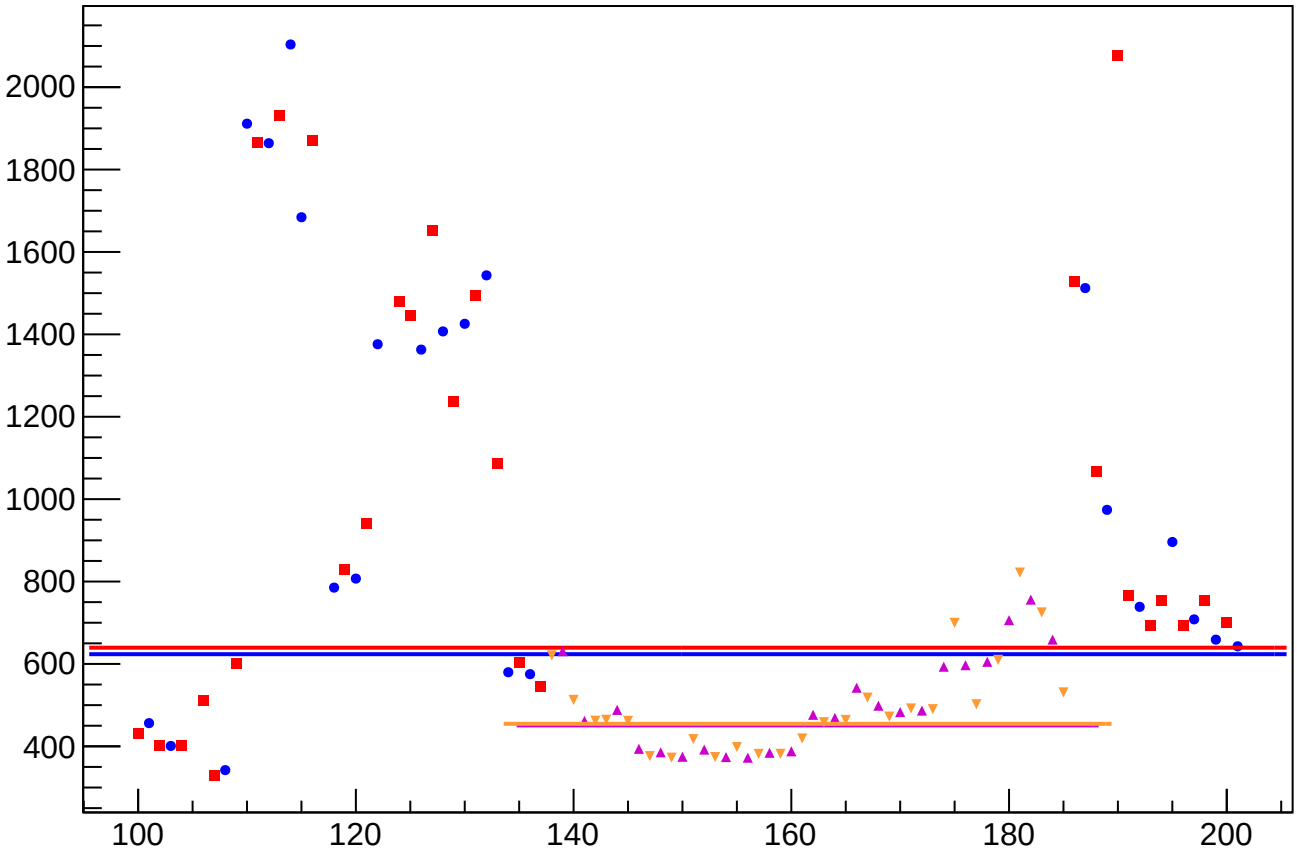
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.022+/-0.138 χ^2/NDF: 64.3/50

In: -0.056+/-0.095 χ^2/NDF:61.9/45

Out: -0.160+/-0.093 χ^2/NDF:70.4/52

All: -0.109+/-0.066 χ^2/NDF: 132.9/98



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: 639.465+/-0.138 χ^2/NDF: 4644207.6/27

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

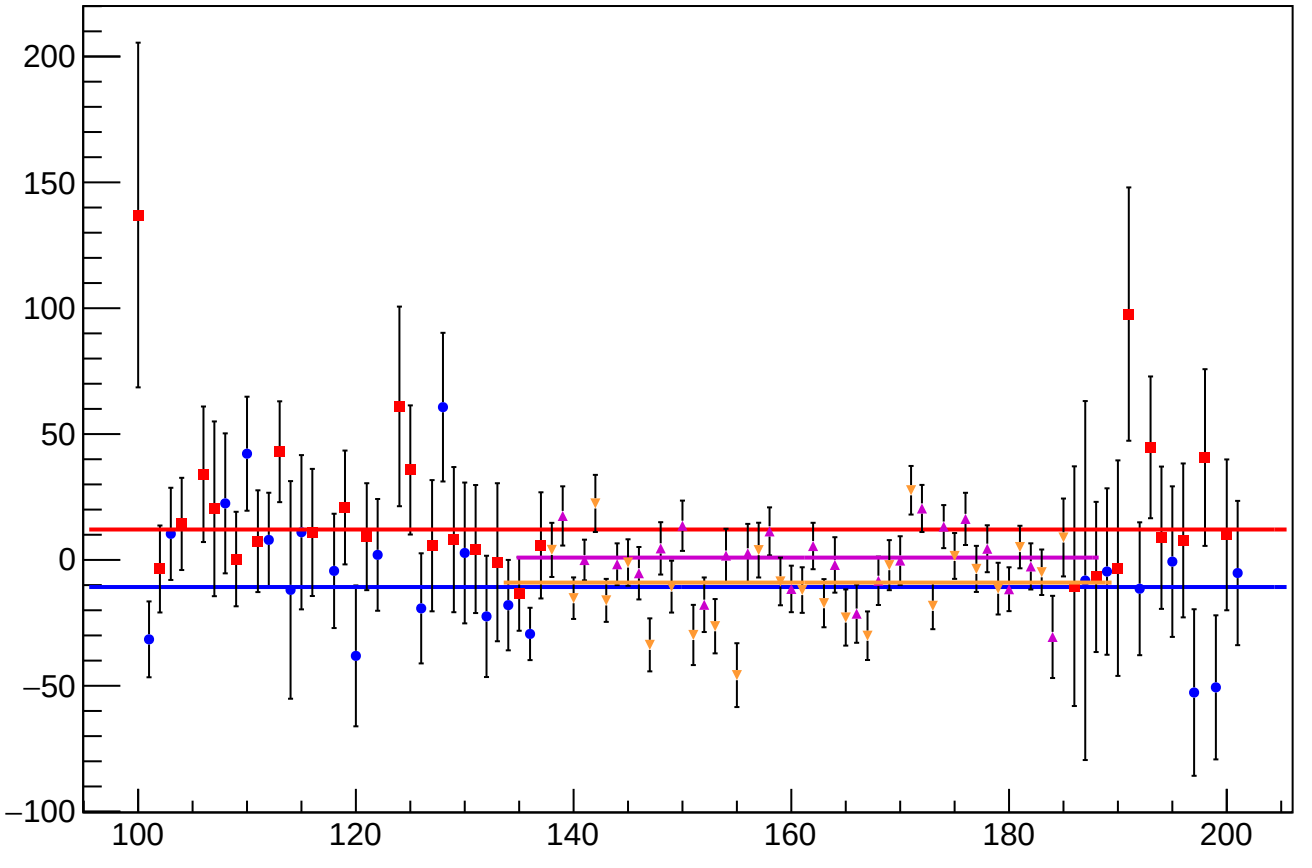
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 631.646+/-0.098 χ^2/NDF: 8690476.1/50

In: 490.855+/-0.067 χ^2/NDF:6696777.6/45

Out: 496.858+/-0.066 χ^2/NDF:7482811.7/52

All: 493.910+/-0.047 χ^2/NDF: 14183671.9/98



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: 12.088+/-4.735 χ^2/NDF: 19.5/27

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

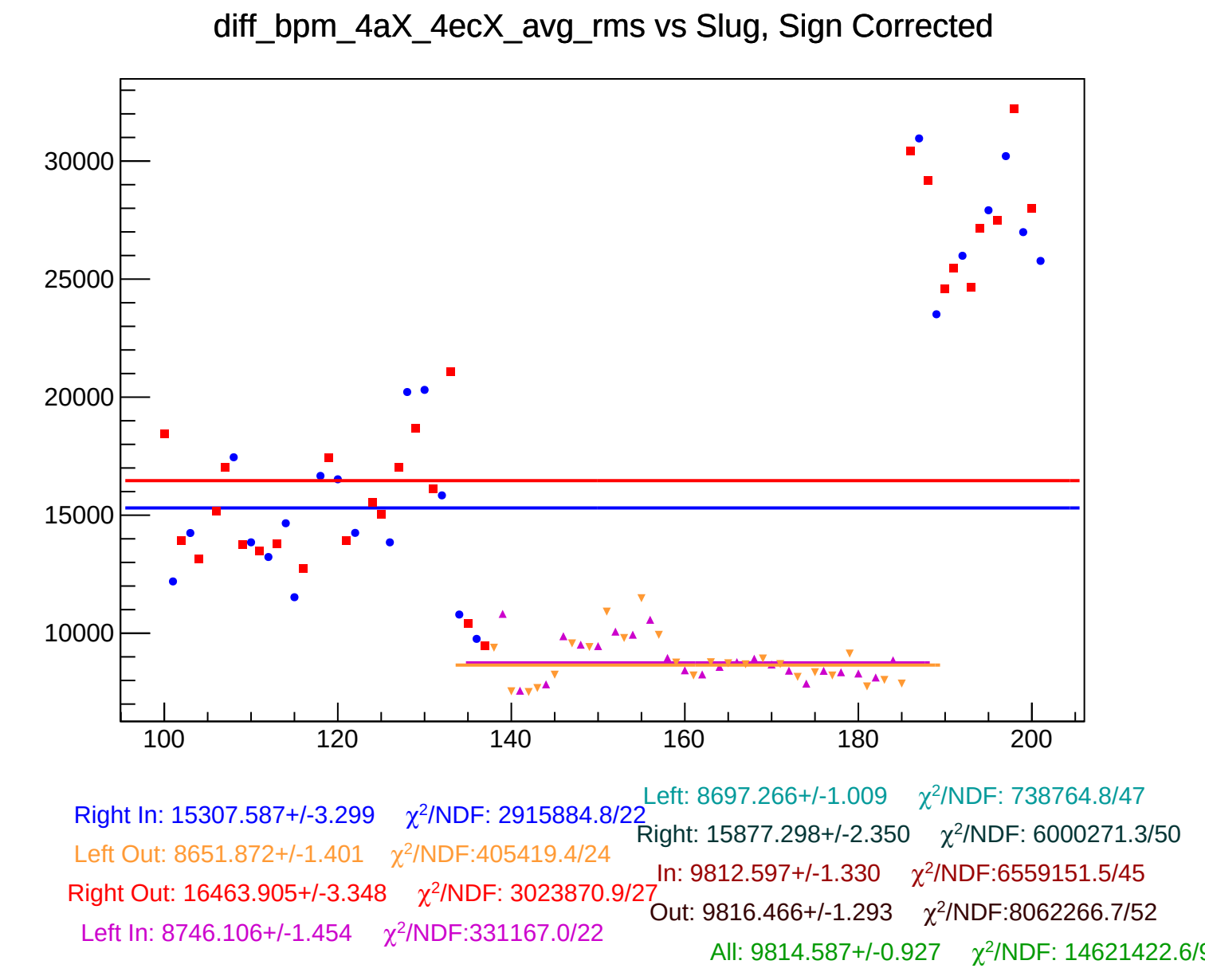
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

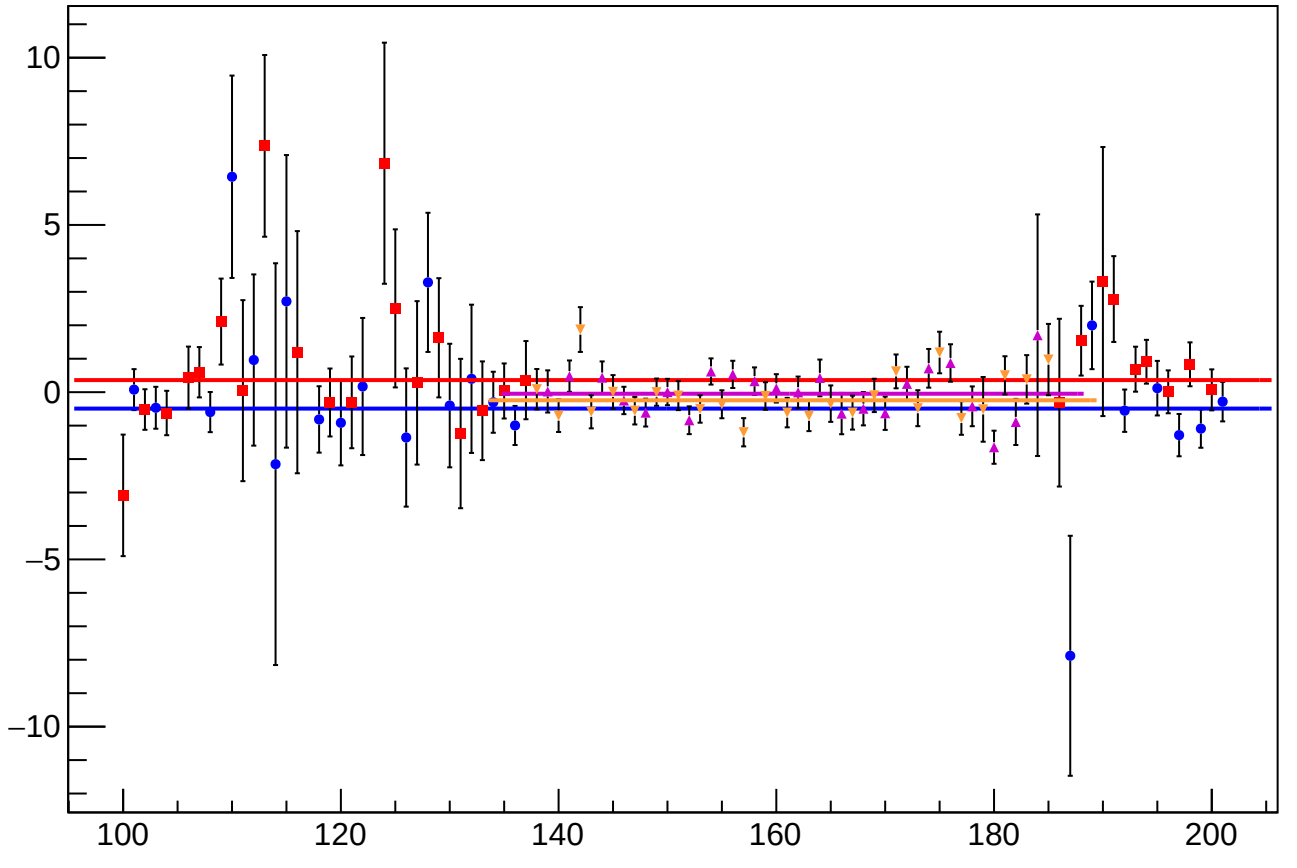
Right: 0.493+/-3.323 χ^2/NDF: 57.9/50

In: -0.975+/-1.881 χ^2/NDF:61.7/45

Out: -5.857+/-1.828 χ^2/NDF:97.6/52

All: -3.486+/-1.311 χ^2/NDF: 162.8/98


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: 16463.905+/-3.348 χ²/NDF: 3023870.9/27
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 15877.298+/-2.350 χ²/NDF: 6000271.3/50
In: 9812.597+/-1.330 χ²/NDF:6559151.5/45
Out: 9816.466+/-1.293 χ²/NDF:8062266.7/52
All: 9814.587+/-0.927 χ²/NDF: 14621422.6/9



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: 0.361+/-0.189 χ^2/NDF: 30.3/27

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

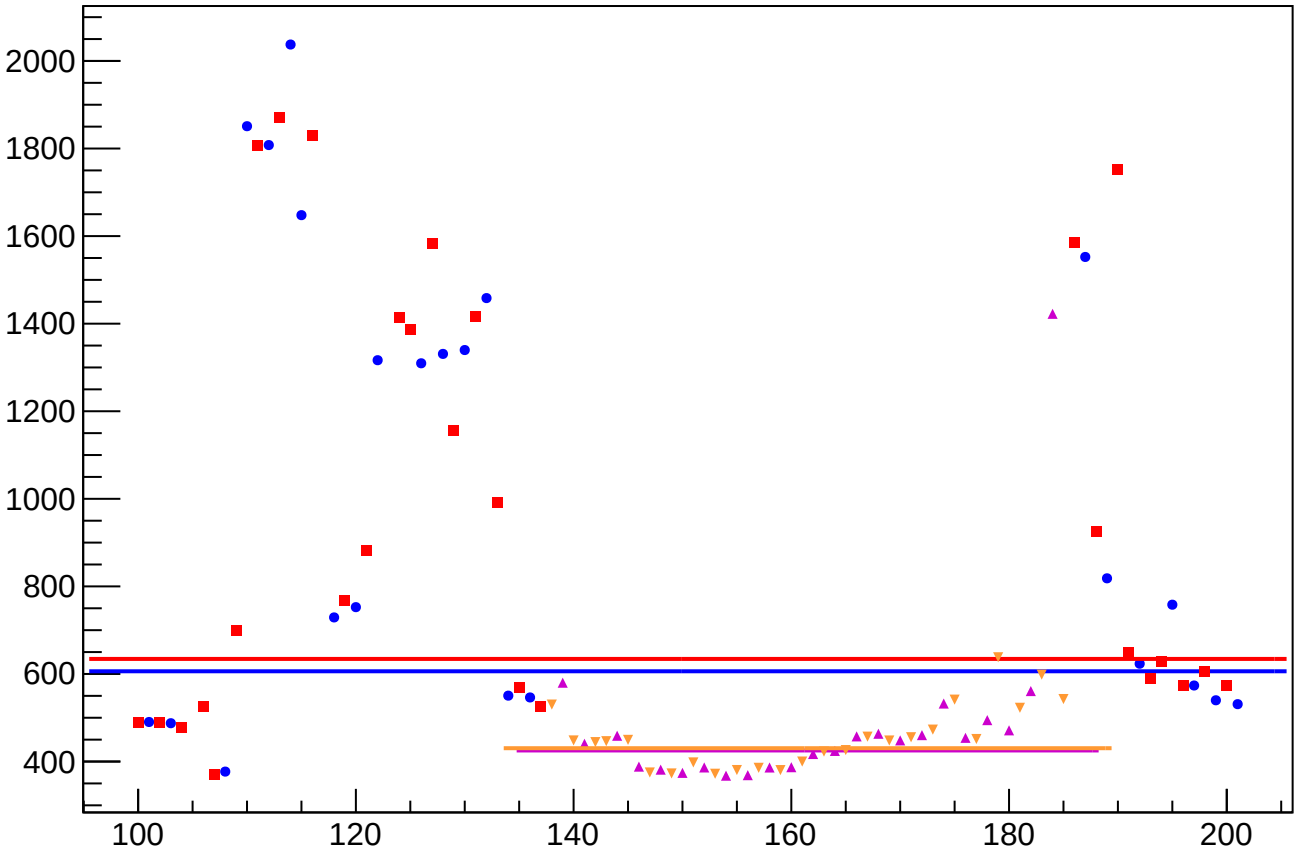
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.068+/-0.133 χ^2/NDF: 63.6/50

In: -0.147+/-0.089 χ^2/NDF:62.4/45

Out: -0.110+/-0.089 χ^2/NDF:72.6/52

All: -0.128+/-0.063 χ^2/NDF: 135.1/98



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: 634.351+/-0.134 χ^2/NDF: 3438358.6/27

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

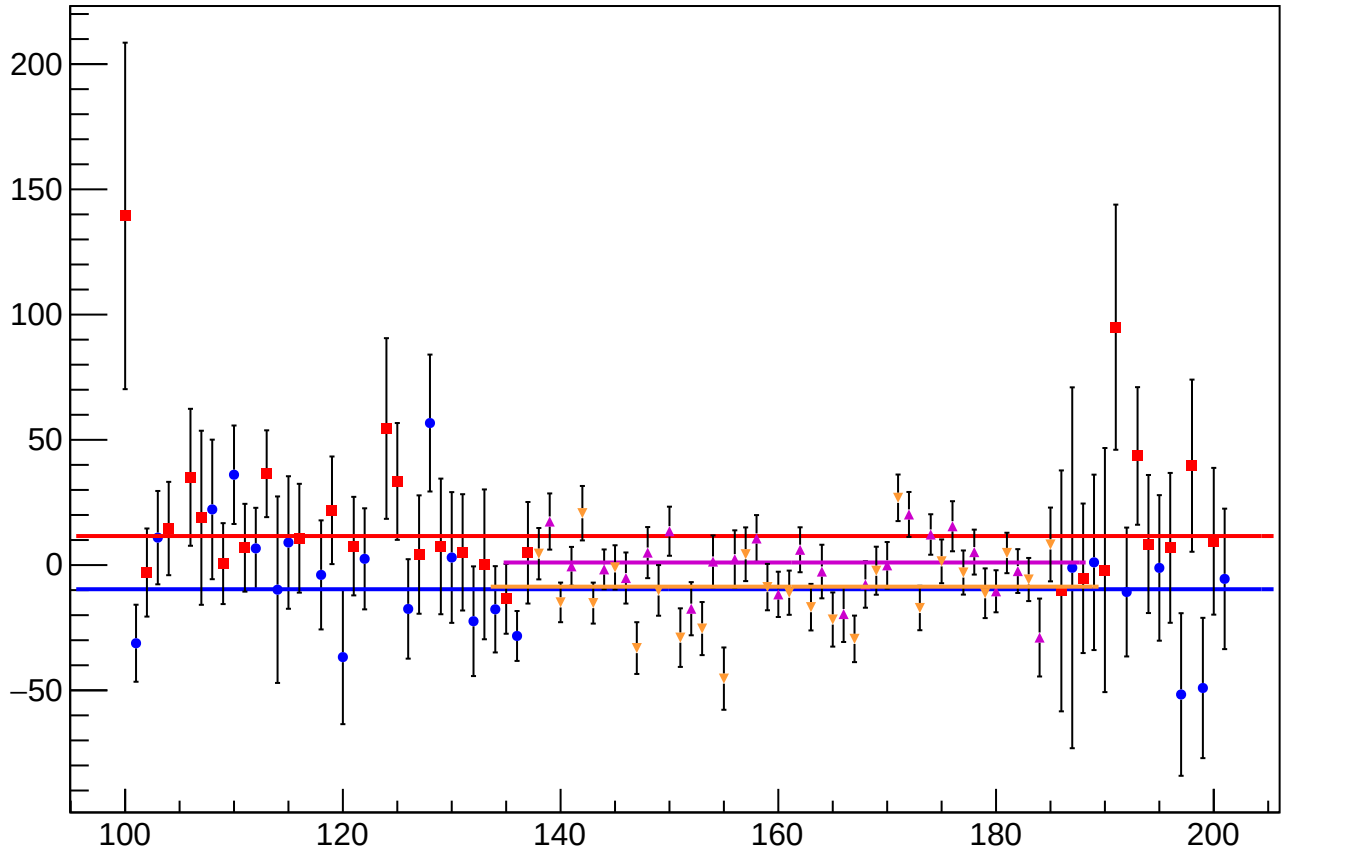
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

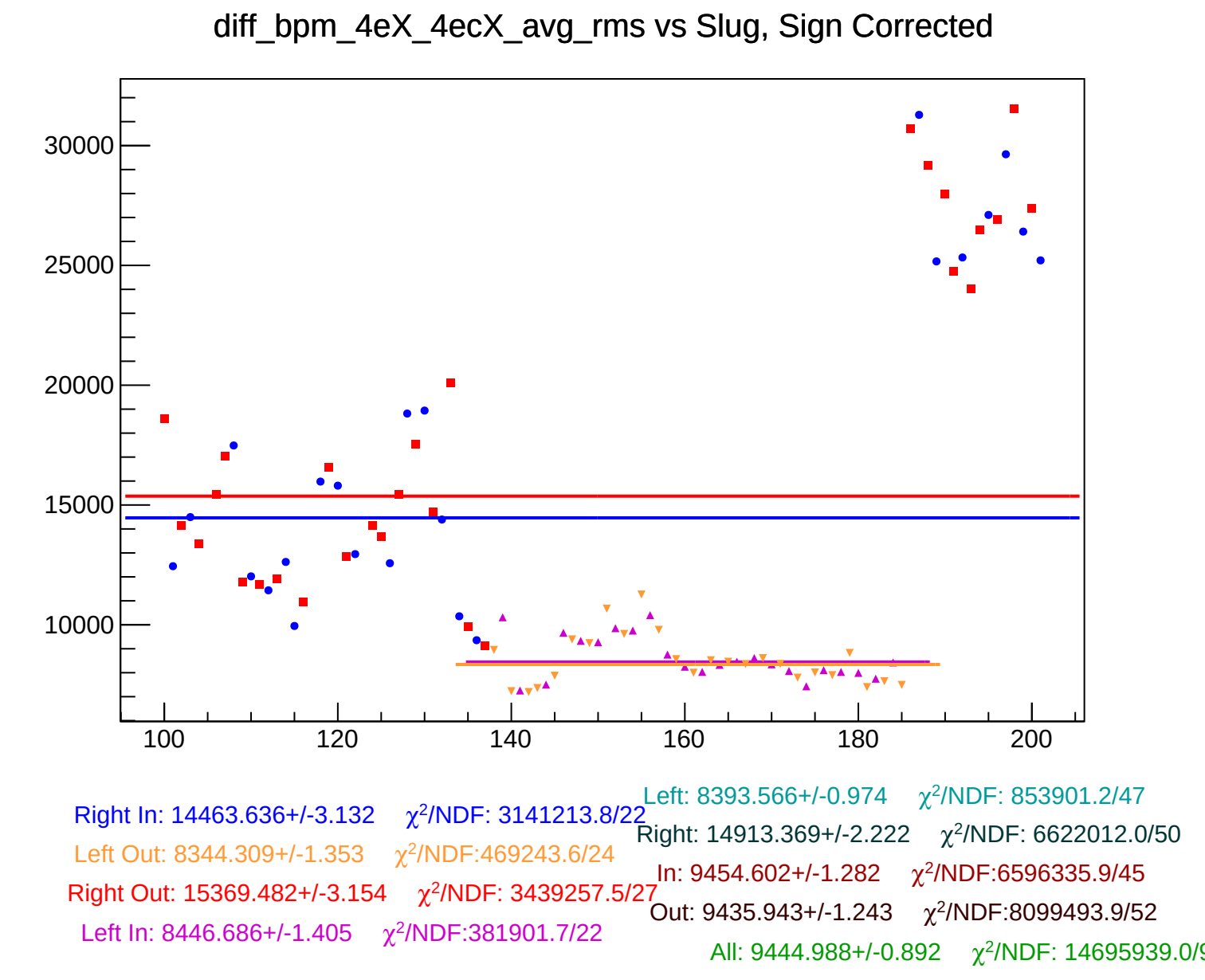
Right: 620.144+/-0.094 χ^2/NDF: 6640719.5/50

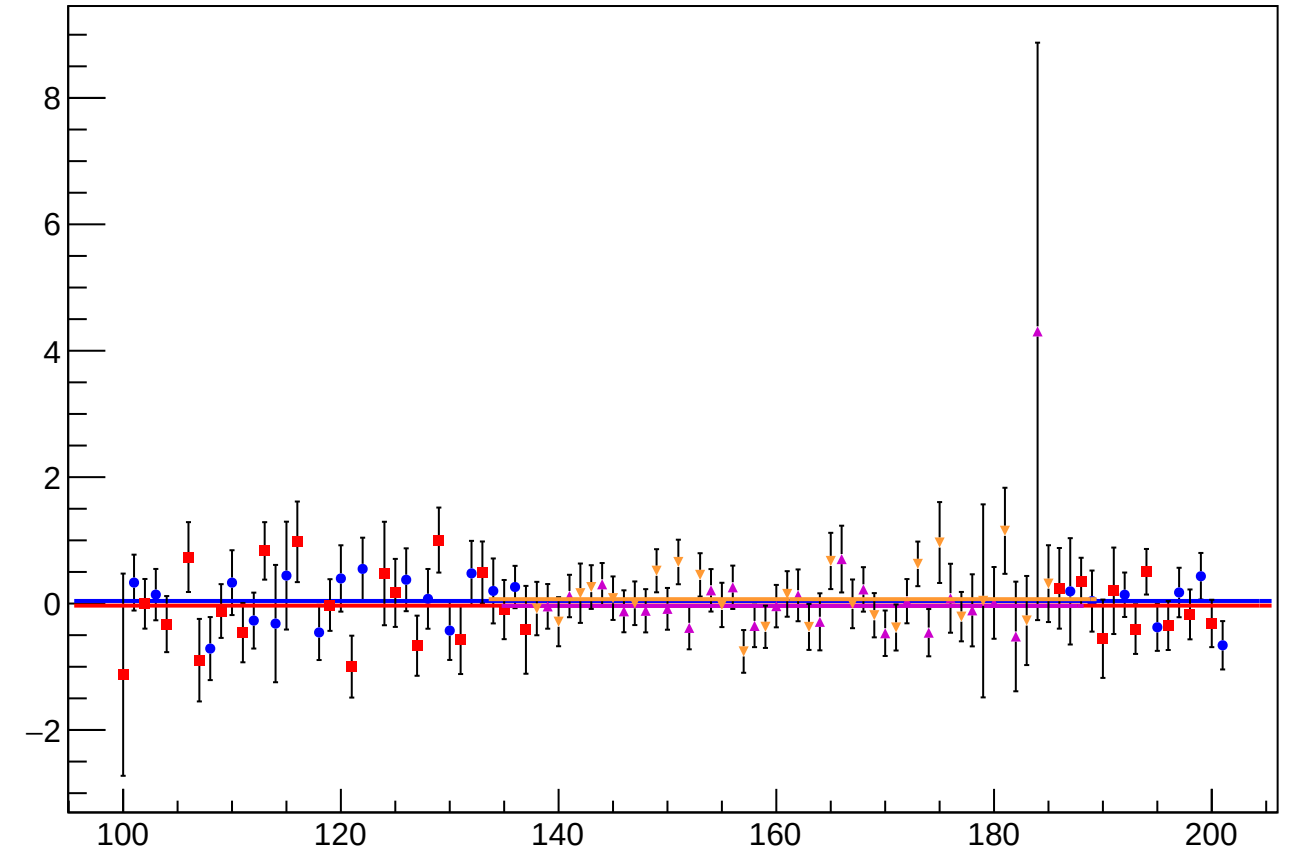
In: 466.263+/-0.063 χ^2/NDF:5331922.0/45

Out: 475.188+/-0.063 χ^2/NDF:5903908.9/52

All: 470.766+/-0.044 χ^2/NDF: 11245900.5/98


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: 11.593+/-4.460 χ²/NDF: 19.3/27
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.901+/-3.143 χ²/NDF: 57.8/50
In: -0.760+/-1.813 χ²/NDF:61.7/45
Out: -5.481+/-1.758 χ²/NDF:98.3/52
All: -3.193+/-1.262 χ²/NDF: 163.5/98


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: 15369.482+/-3.154 χ²/NDF: 3439257.5/27
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 14913.369+/-2.222 χ²/NDF: 6622012.0/50
In: 9454.602+/-1.282 χ²/NDF:6596335.9/45
Out: 9435.943+/-1.243 χ²/NDF:8099493.9/52
All: 9444.988+/-0.892 χ²/NDF: 14695939.0/9



Right In: 0.041+/-0.095 χ^2/NDF: 15.5/22

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.032+/-0.091 χ^2/NDF: 30.8/27

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

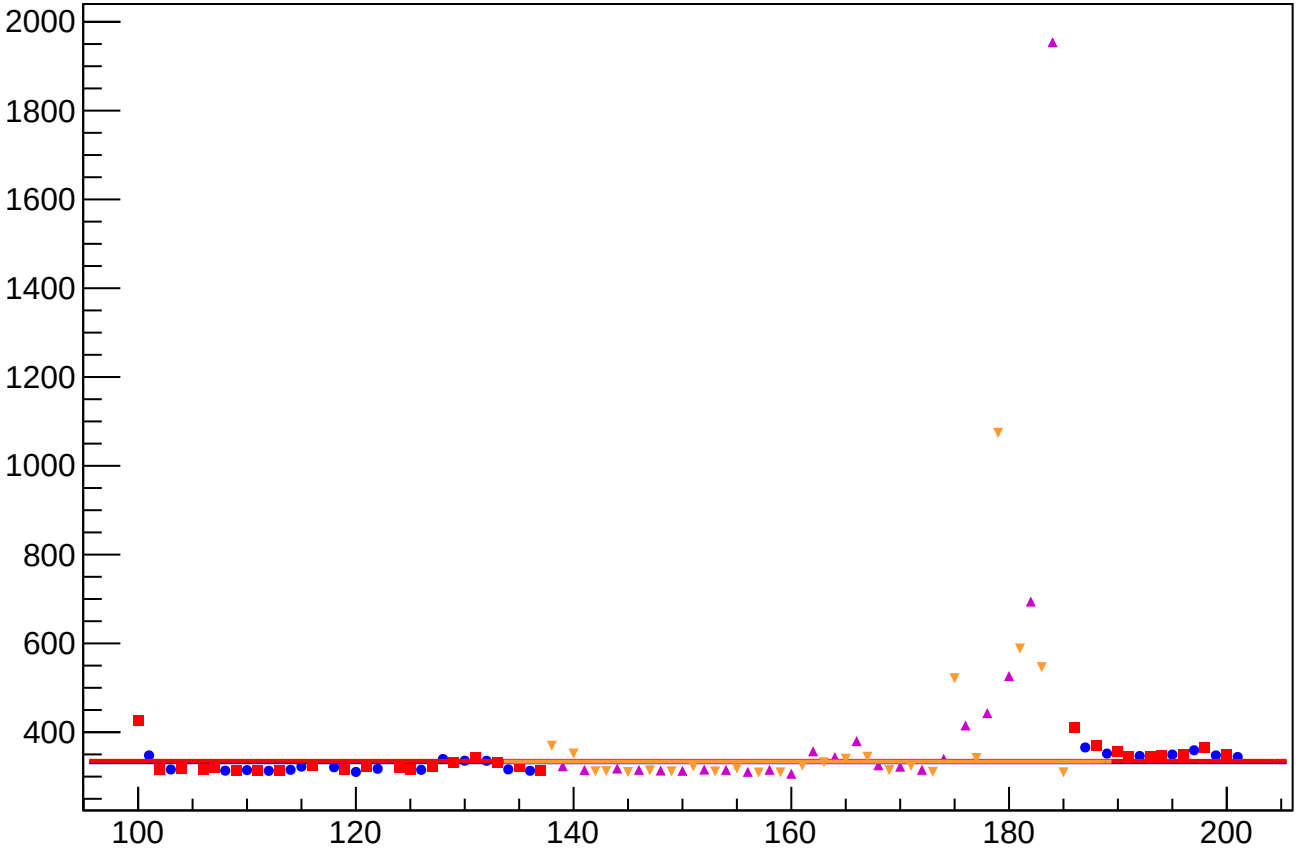
Right: 0.003+/-0.066 χ^2/NDF: 46.6/50

In: -0.004+/-0.062 χ^2/NDF:27.5/45

Out: 0.025+/-0.060 χ^2/NDF:59.7/52

All: 0.011+/-0.043 χ^2/NDF: 87.3/98

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: 335.483+/-0.064 χ^2/NDF: 114071.7/27

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

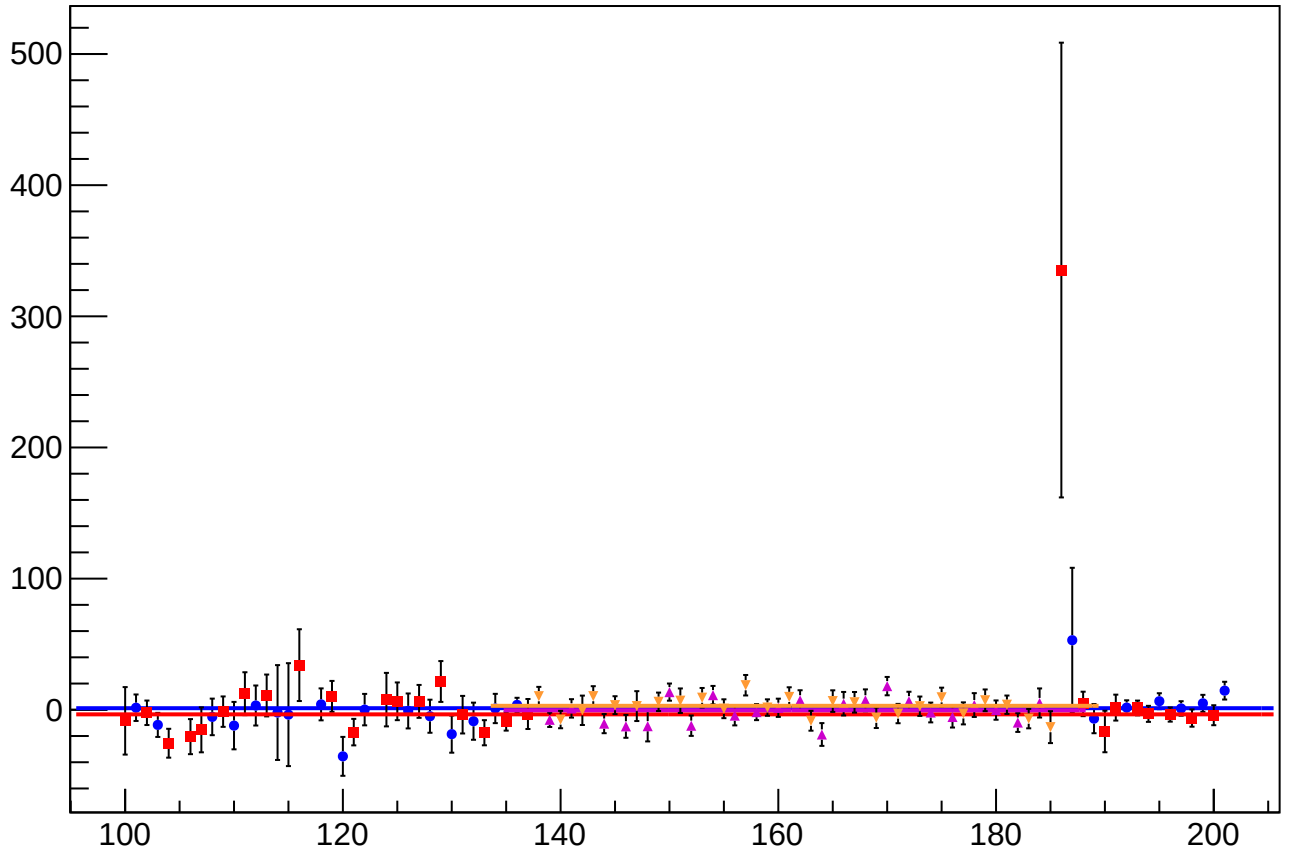
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 334.001+/-0.046 χ^2/NDF: 177856.1/50

In: 333.308+/-0.044 χ^2/NDF:1113984.0/45

Out: 334.515+/-0.042 χ^2/NDF:1331726.9/52

All: 333.931+/-0.030 χ^2/NDF: 2446107.3/98



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: -3.488+/-1.875 χ^2/NDF: 26.1/27

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

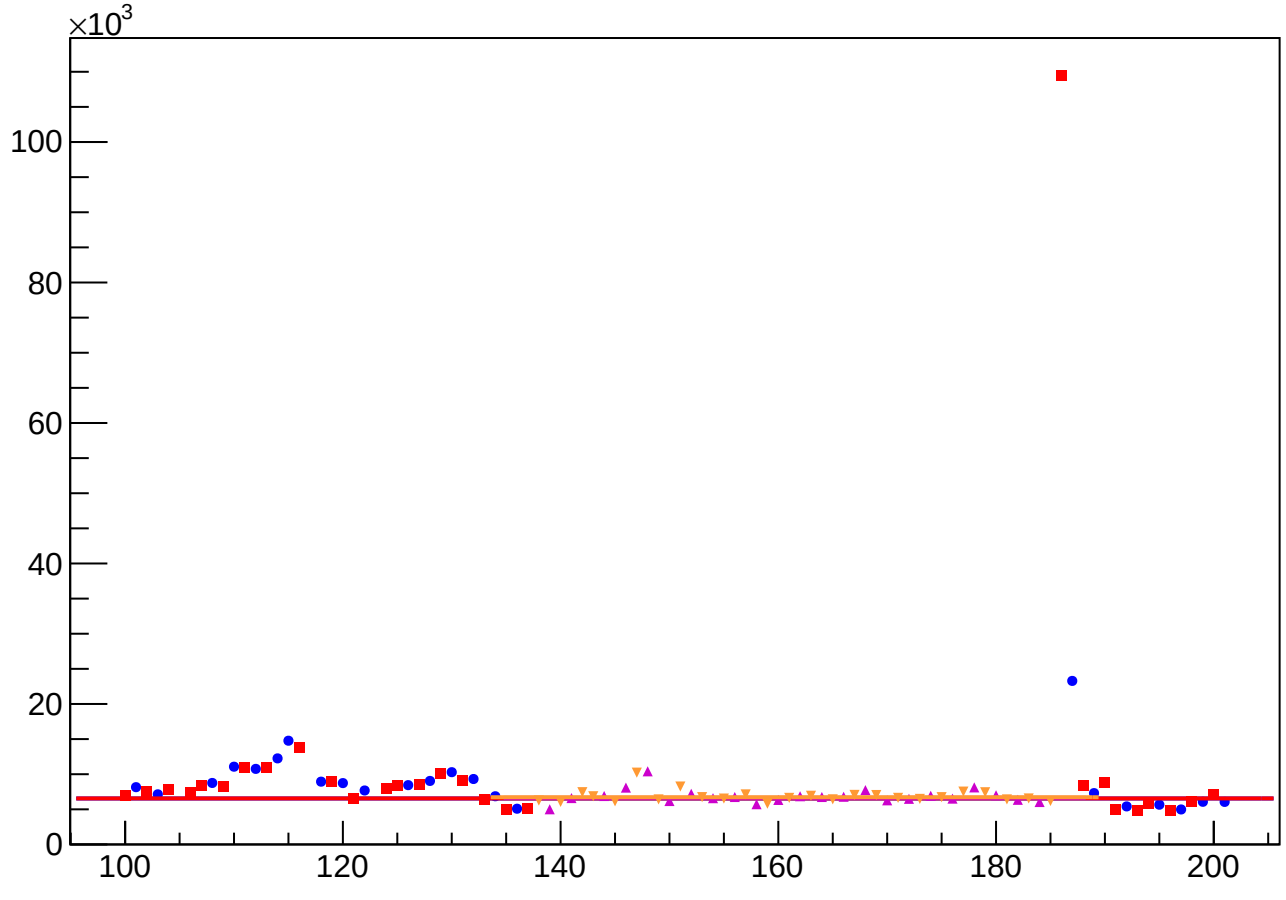
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.226+/-1.350 χ^2/NDF: 47.4/50

In: 0.262+/-1.221 χ^2/NDF:52.4/45

Out: 0.397+/-1.191 χ^2/NDF:53.7/52

All: 0.331+/-0.852 χ^2/NDF: 106.1/98



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: 6552.579+/-1.326 χ^2/NDF: 2340464.7/27

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

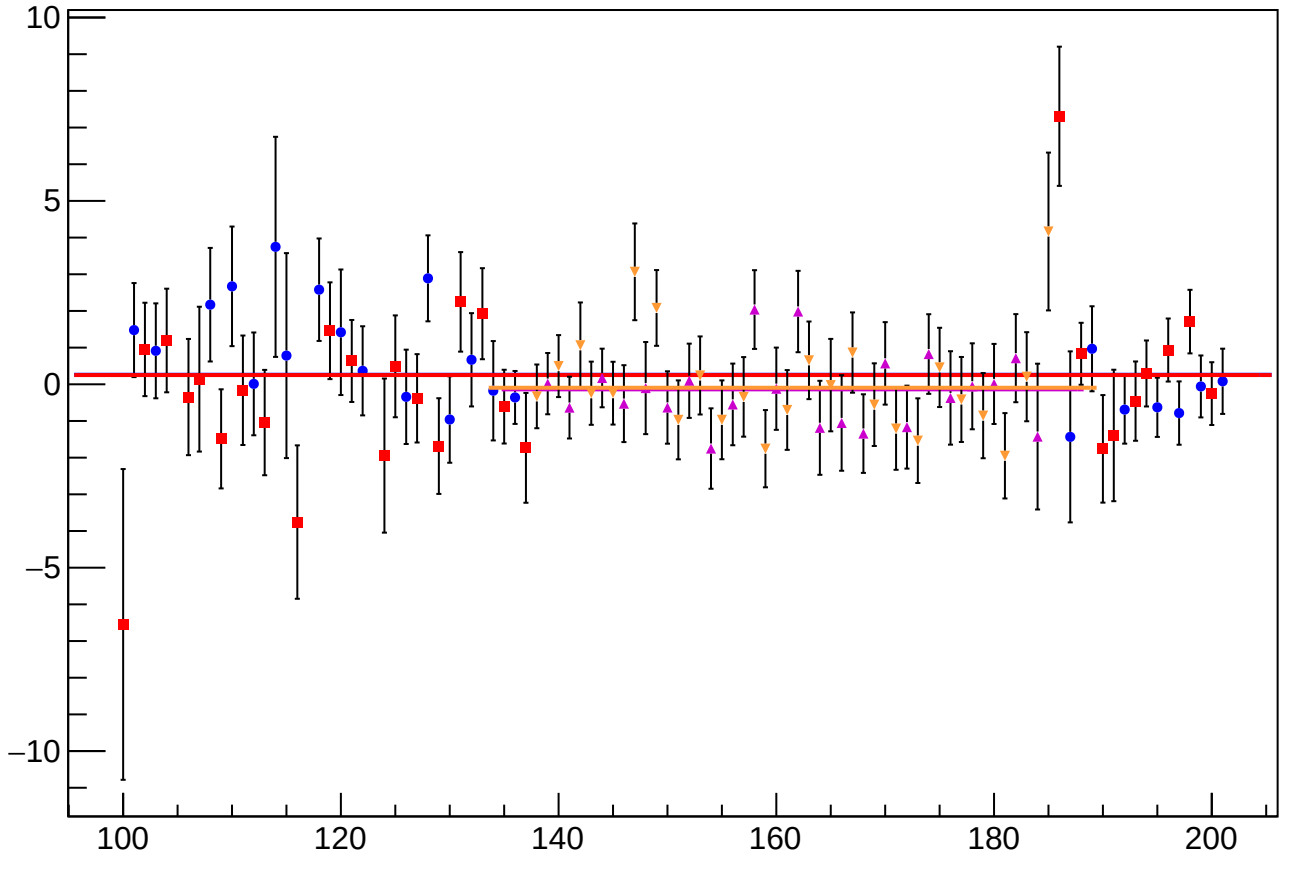
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6547.447+/-0.954 χ^2/NDF: 3987748.3/50

In: 6596.933+/-0.863 χ^2/NDF:2279385.7/45

Out: 6654.244+/-0.842 χ^2/NDF:2753639.6/52

All: 6626.300+/-0.603 χ^2/NDF: 5035284.3/98



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: 0.252+/-0.235 χ^2/NDF: 42.0/27

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

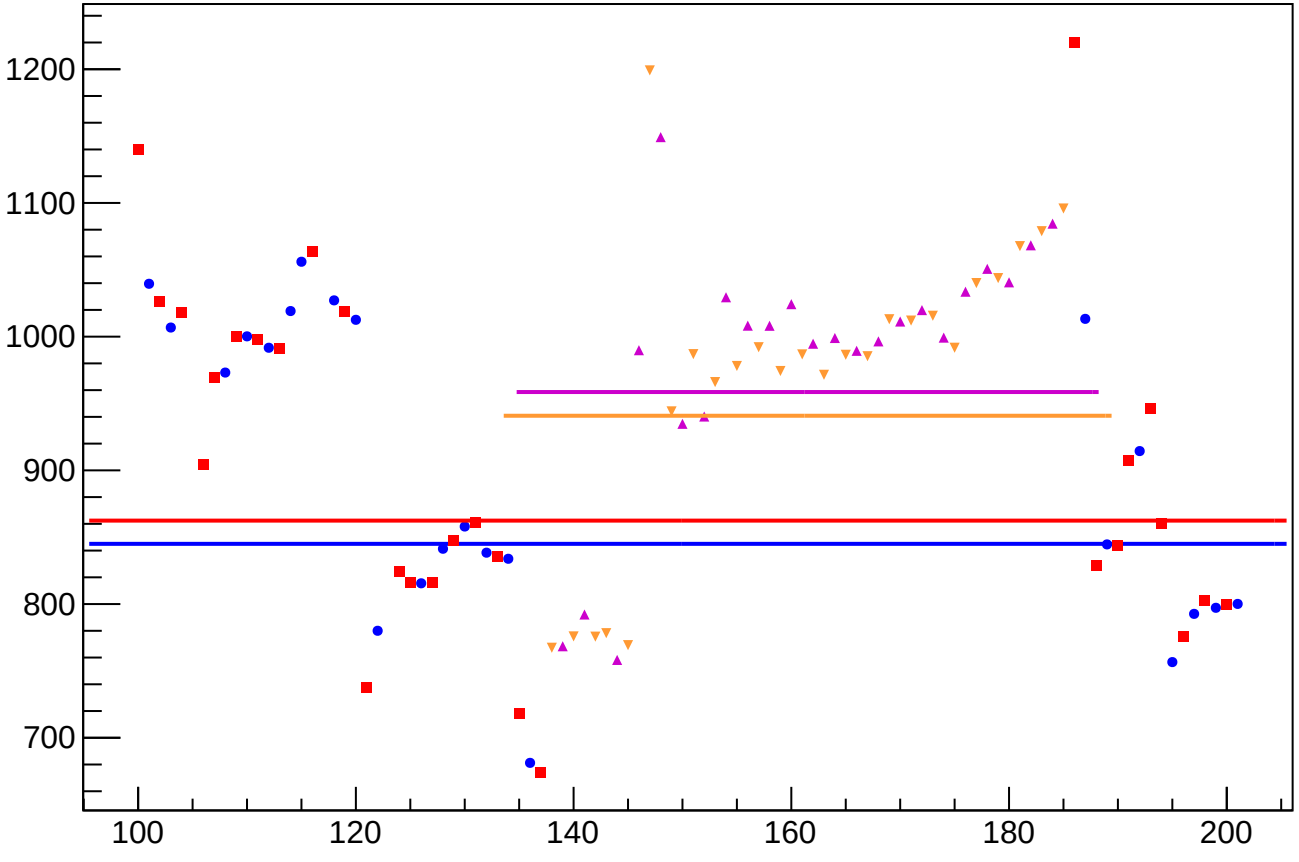
Right: 0.256+/-0.169 χ^2/NDF: 63.5/50

In: 0.047+/-0.165 χ^2/NDF:39.5/45

Out: 0.064+/-0.159 χ^2/NDF:70.5/52

All: 0.056+/-0.114 χ^2/NDF: 110.0/98

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: 862.417+/-0.166 χ^2/NDF: 406000.3/27

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

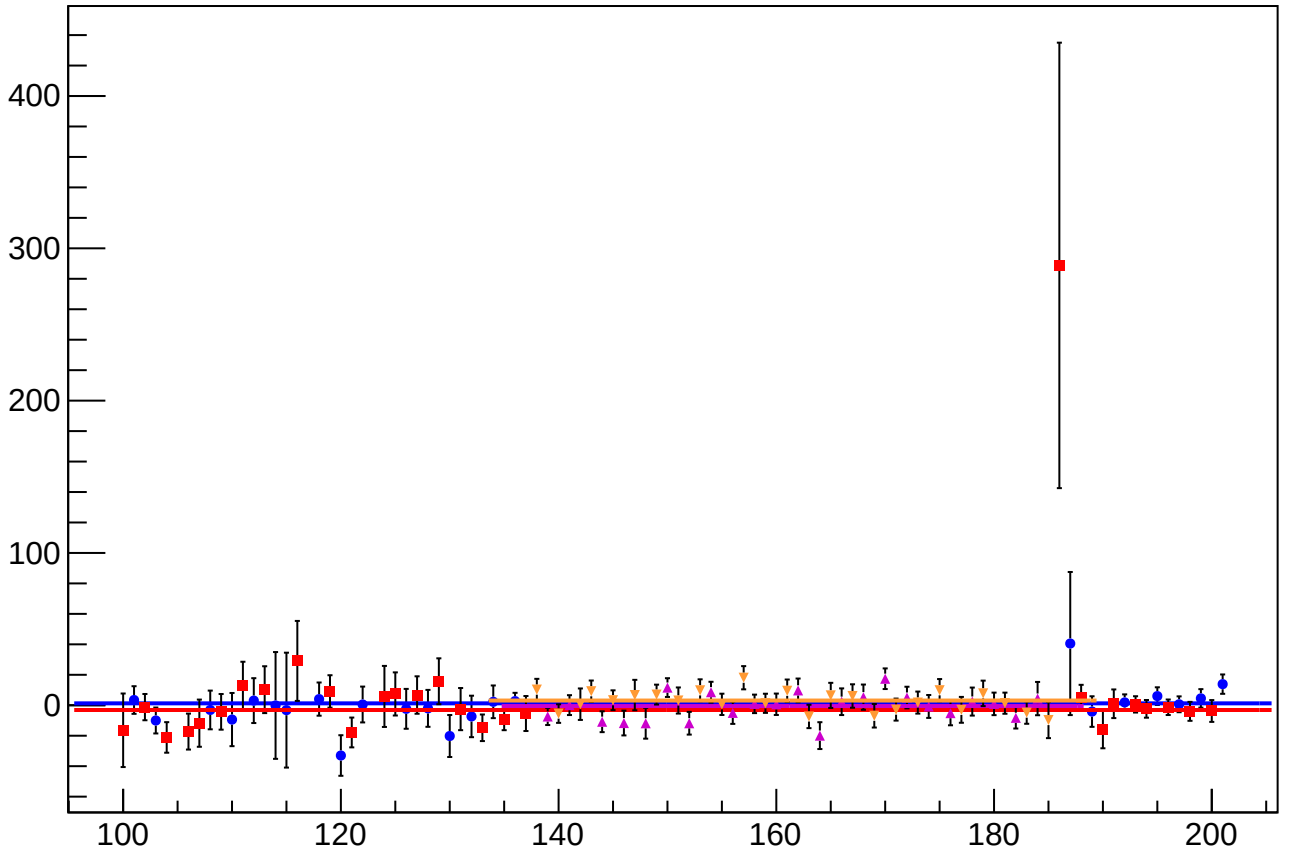
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 854.004+/-0.119 χ^2/NDF: 788328.0/50

In: 905.901+/-0.117 χ^2/NDF:1069411.1/45

Out: 904.983+/-0.112 χ^2/NDF:1096038.2/52

All: 905.424+/-0.081 χ^2/NDF: 2165481.4/98



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: -3.109+/-1.773 χ^2/NDF: 24.6/27

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

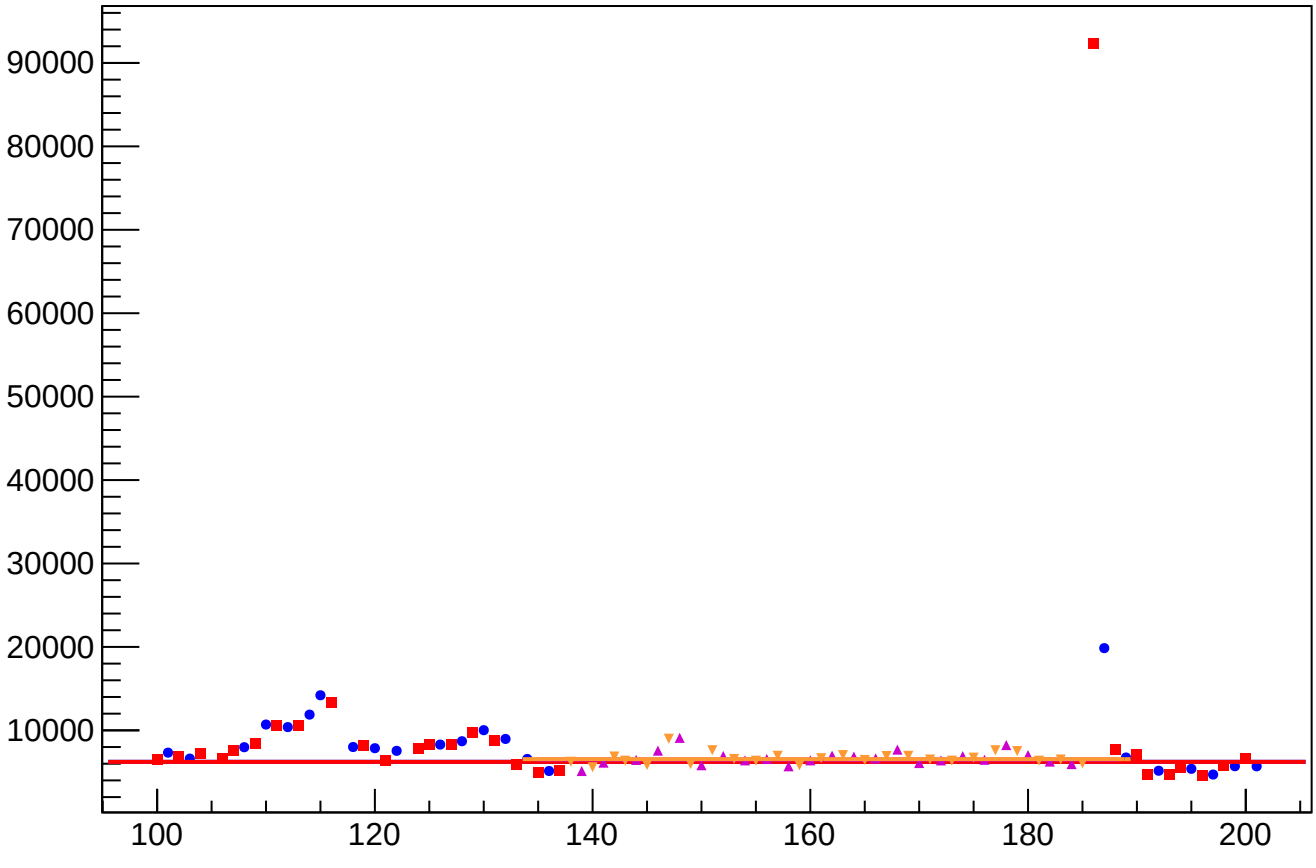
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.015+/-1.278 χ^2/NDF: 45.4/50

In: 0.206+/-1.180 χ^2/NDF:50.5/45

Out: 0.508+/-1.145 χ^2/NDF:50.3/52

All: 0.362+/-0.822 χ^2/NDF: 100.9/98



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: 6219.262+/-1.253 χ^2/NDF: 2268483.0/27

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

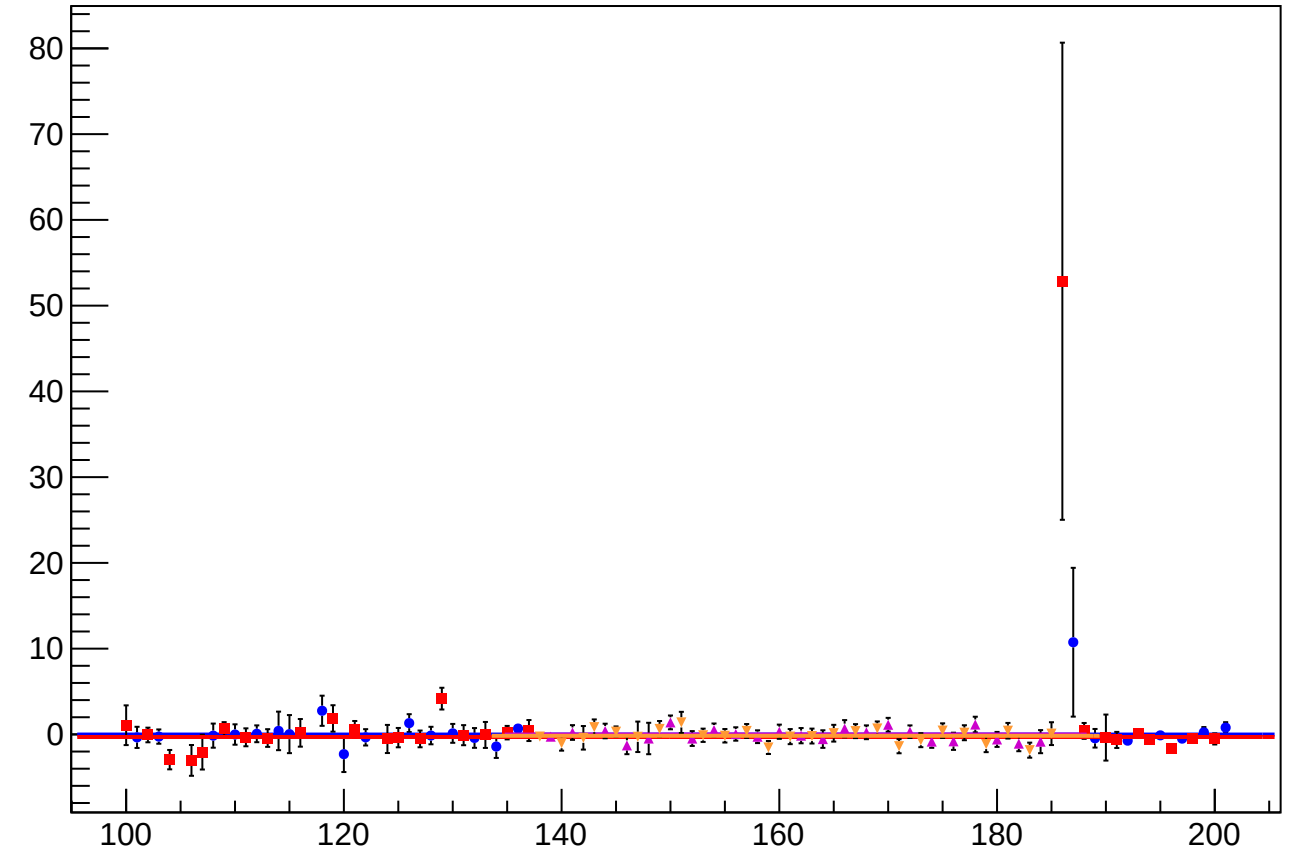
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6224.158+/-0.904 χ^2/NDF: 3828685.8/50

In: 6392.382+/-0.834 χ^2/NDF:2102030.6/45

Out: 6411.326+/-0.810 χ^2/NDF:2674852.9/52

All: 6402.139+/-0.581 χ^2/NDF: 4777148.9/98



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: -0.302+/-0.177 χ^2/NDF: 37.8/27

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

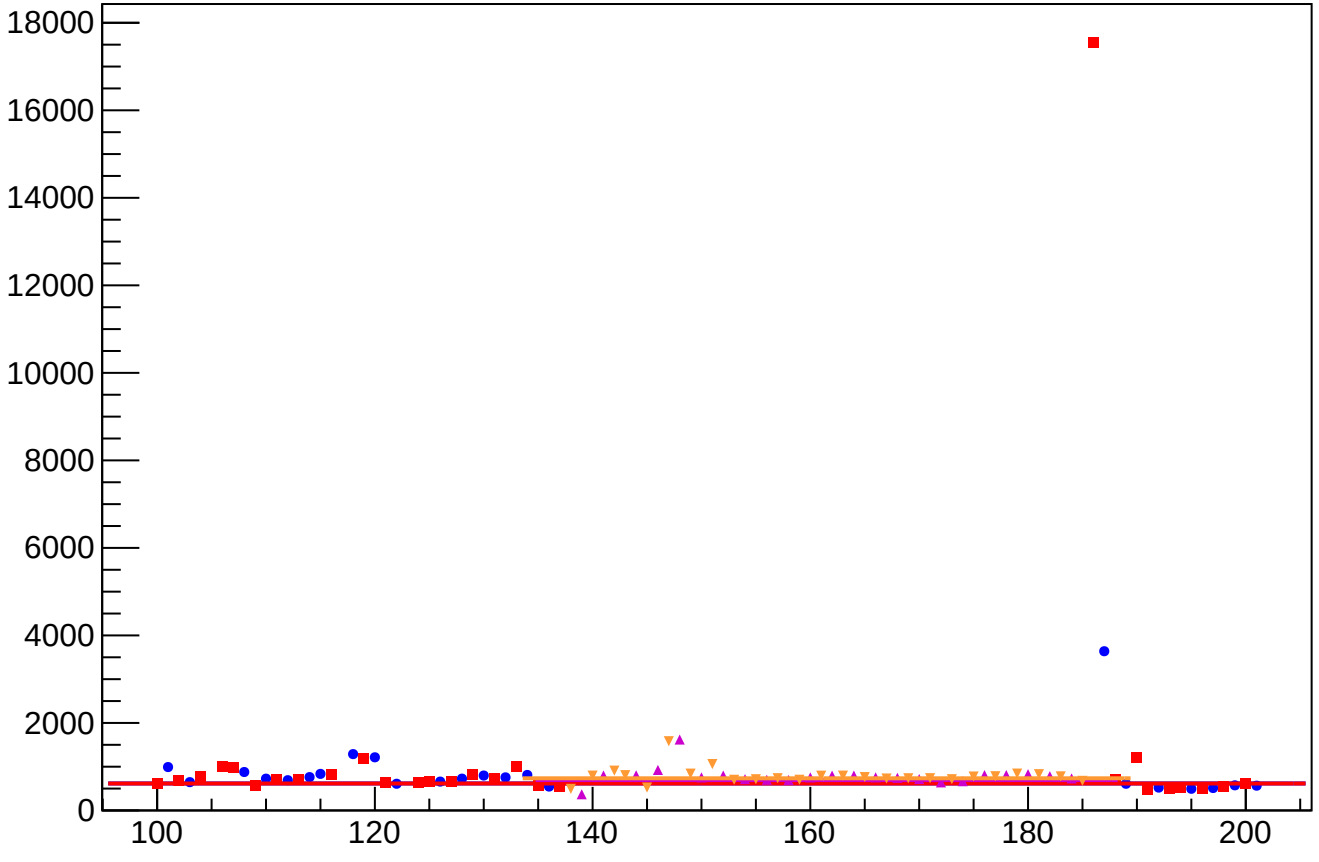
Right: -0.165+/-0.128 χ^2/NDF: 53.5/50

In: -0.018+/-0.124 χ^2/NDF:29.7/45

Out: -0.230+/-0.124 χ^2/NDF:57.1/52

All: -0.124+/-0.088 χ^2/NDF: 88.3/98

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: 615.748+/-0.125 χ^2/NDF: 1936440.8/27

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

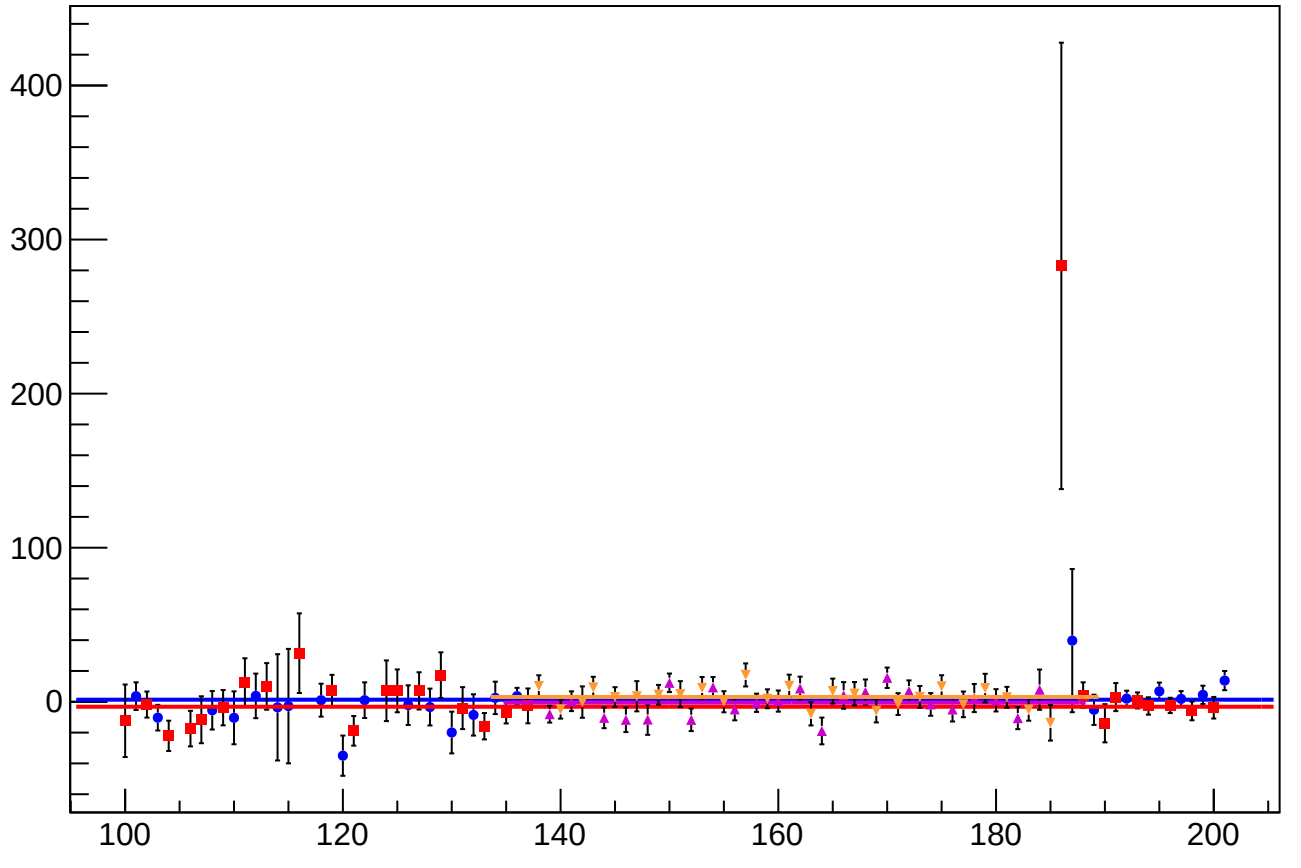
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 616.375+/-0.090 χ^2/NDF: 3385889.1/50

In: 658.789+/-0.088 χ^2/NDF:3865251.7/45

Out: 677.155+/-0.087 χ^2/NDF:3741700.5/52

All: 668.037+/-0.062 χ^2/NDF: 7628903.6/98



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: -3.228+/-1.736 χ^2/NDF: 25.7/27

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

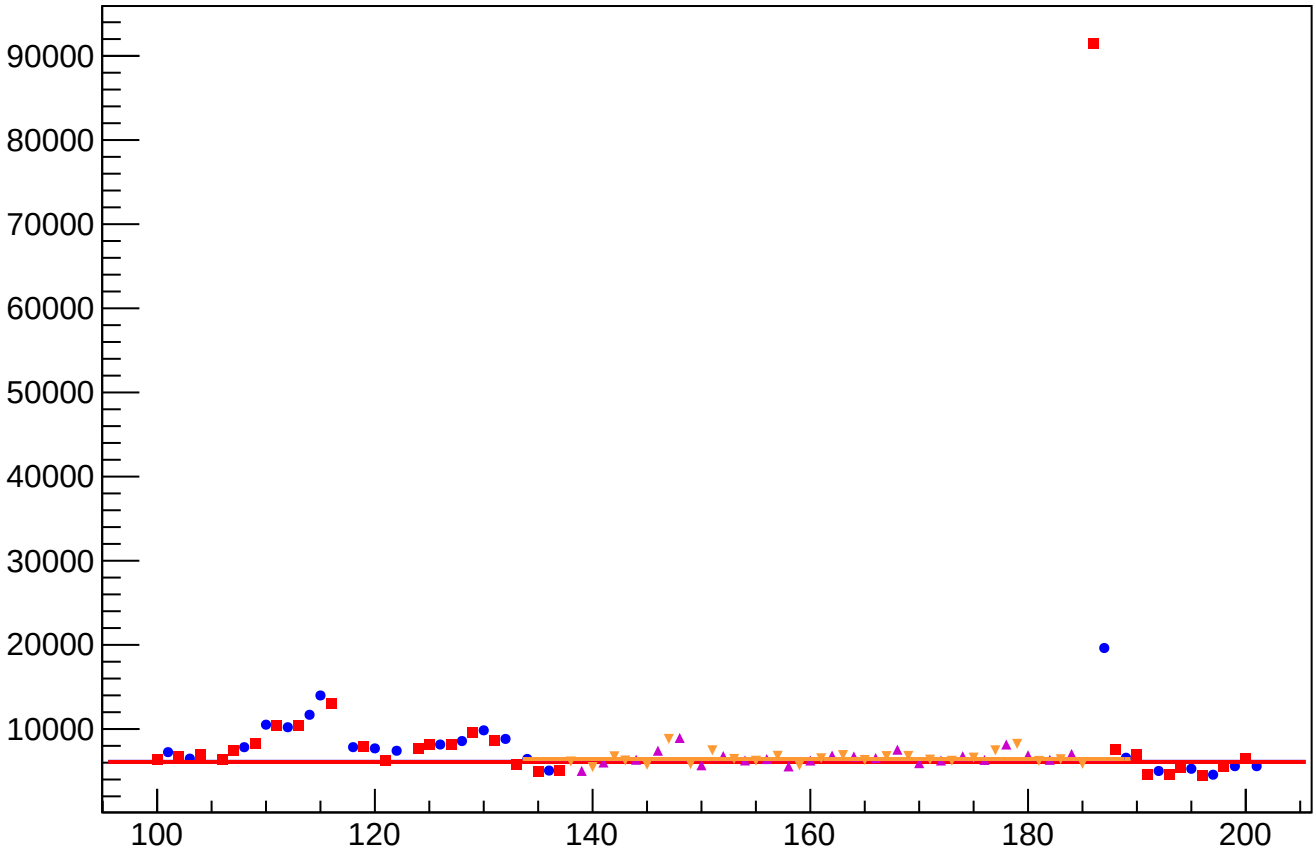
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.031+/-1.253 χ^2/NDF: 49.4/50

In: 0.233+/-1.160 χ^2/NDF:54.6/45

Out: 0.452+/-1.125 χ^2/NDF:52.2/52

All: 0.346+/-0.808 χ^2/NDF: 106.8/98



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: 6085.911+/-1.228 χ^2/NDF: 2290224.1/27

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

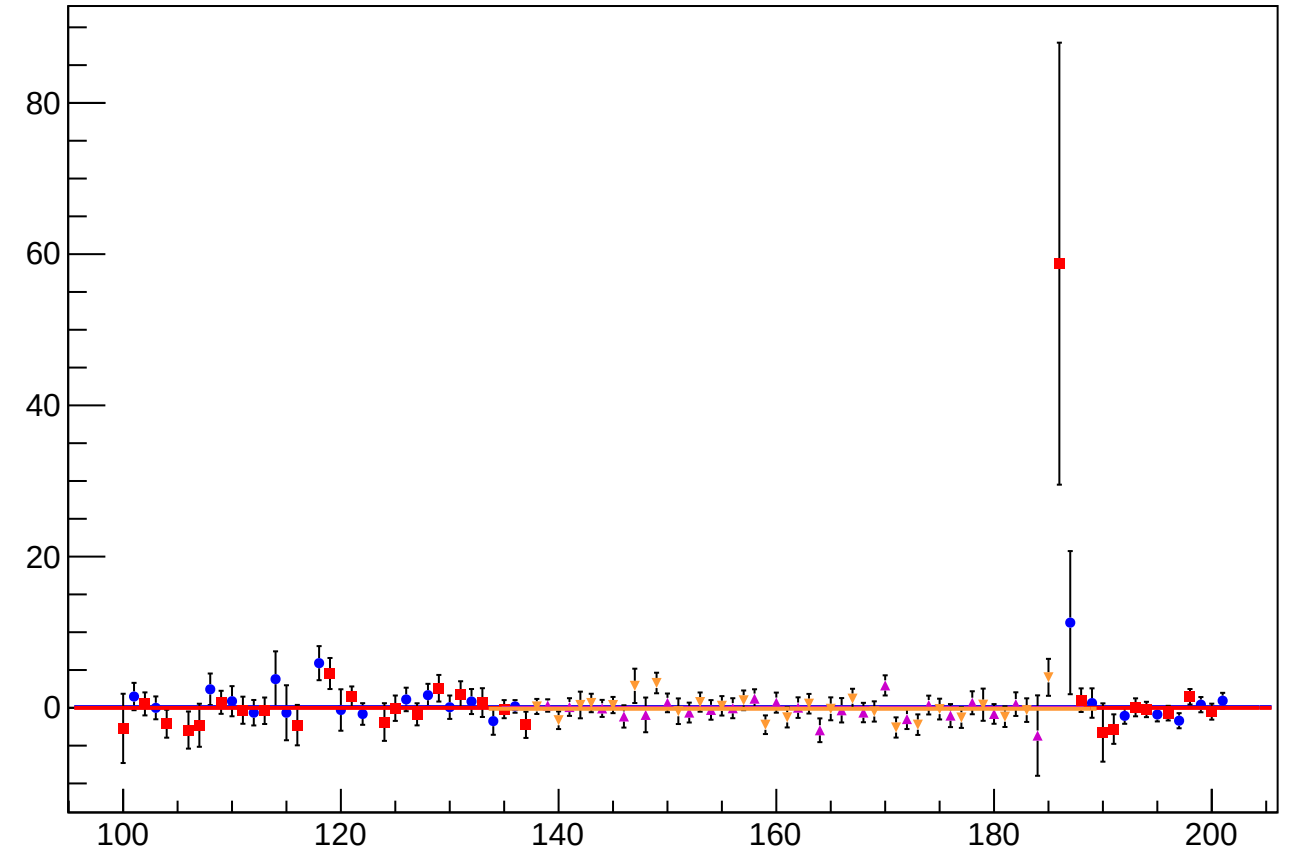
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6092.823+/-0.886 χ^2/NDF: 3878076.3/50

In: 6279.801+/-0.821 χ^2/NDF:2146302.7/45

Out: 6288.754+/-0.795 χ^2/NDF:2754561.5/52

All: 6284.418+/-0.571 χ^2/NDF: 4900925.6/98



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: -0.008+/-0.297 χ^2/NDF: 27.0/27

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

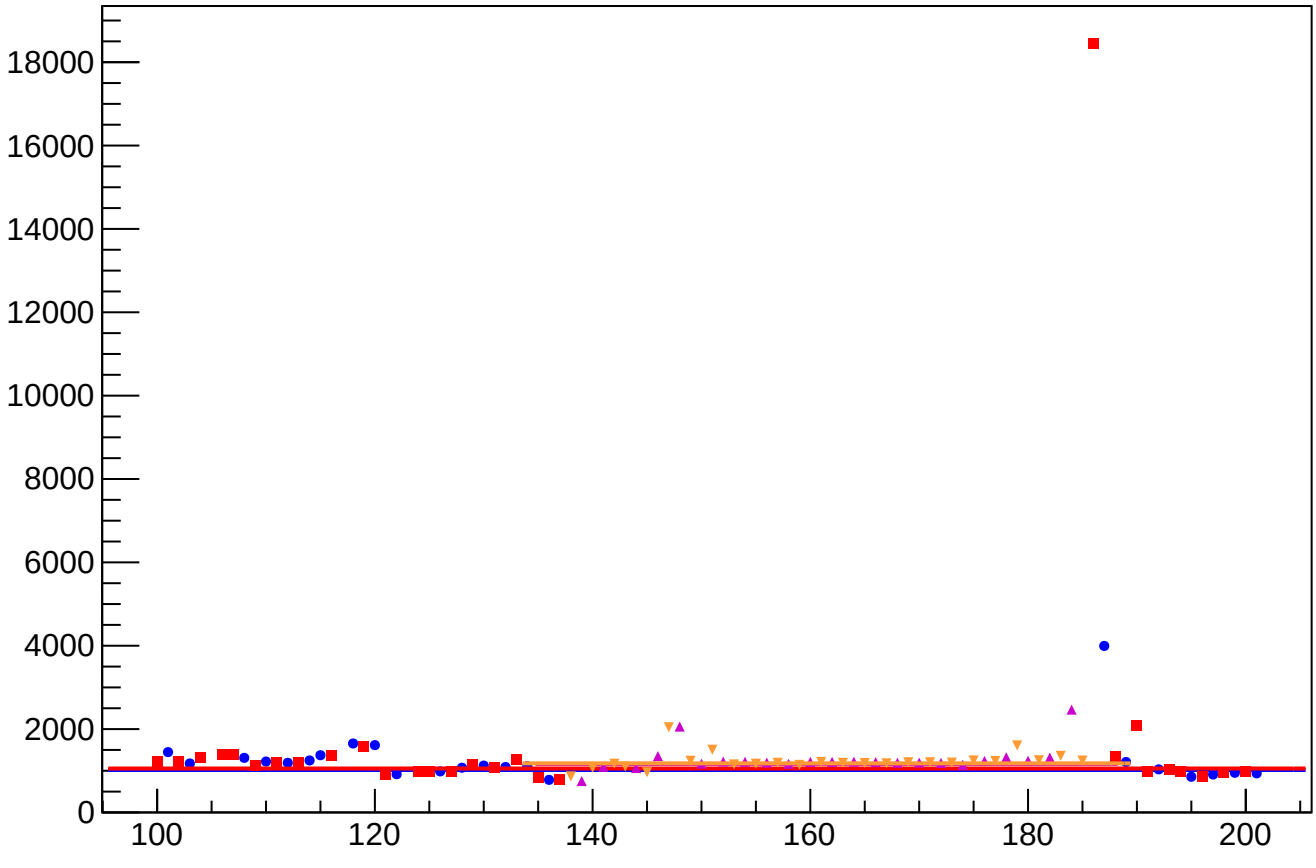
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.044+/-0.211 χ^2/NDF: 48.0/50

In: 0.030+/-0.204 χ^2/NDF:35.5/45

Out: -0.070+/-0.201 χ^2/NDF:54.0/52

All: -0.021+/-0.143 χ^2/NDF: 89.7/98



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: 1054.729+/-0.210 χ^2/NDF: 1542643.8/27

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

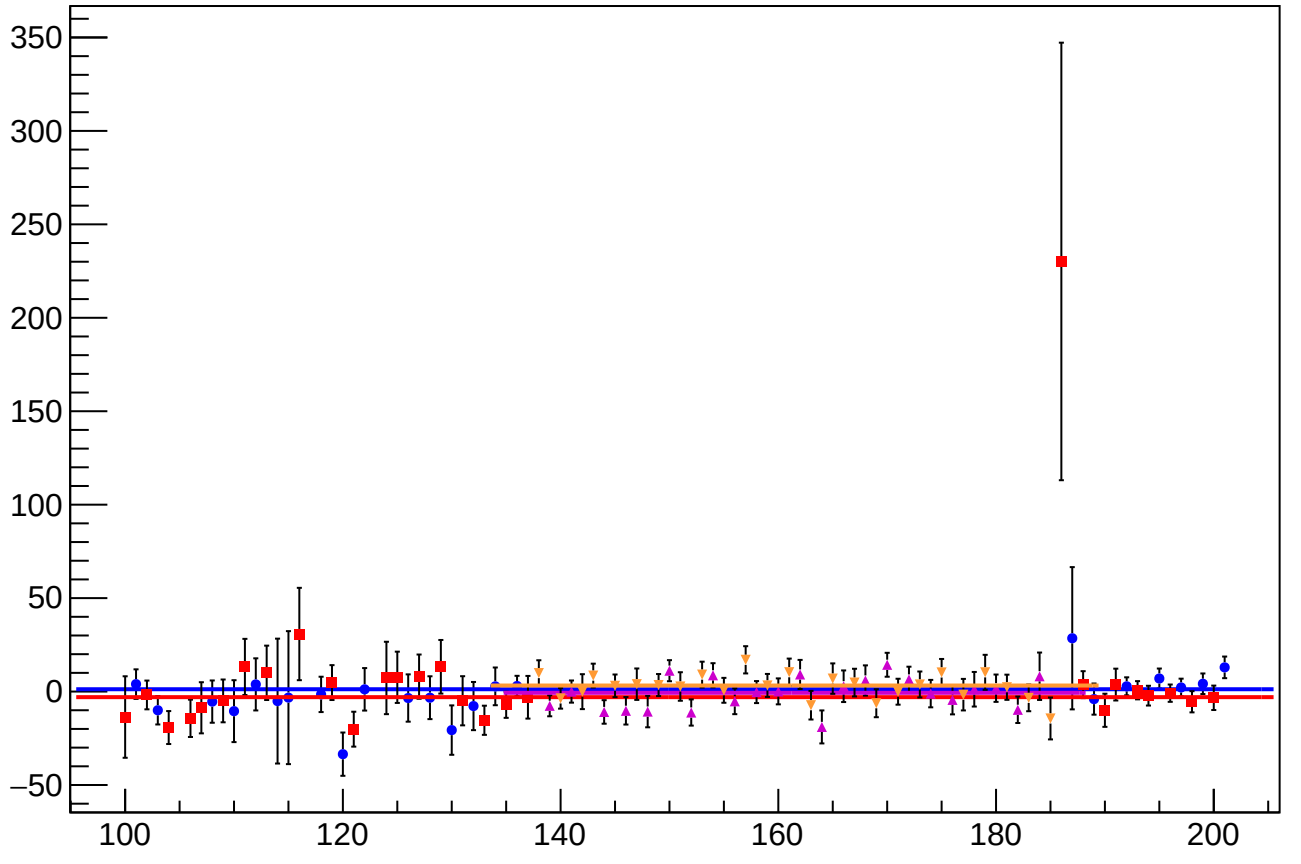
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1036.973+/-0.149 χ^2/NDF: 2568527.8/50

In: 1096.512+/-0.144 χ^2/NDF:2314950.5/45

Out: 1121.371+/-0.142 χ^2/NDF:2529117.6/52

All: 1109.100+/-0.101 χ^2/NDF: 4859136.9/98



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: -2.994+/-1.614 χ^2/NDF: 26.0/27

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

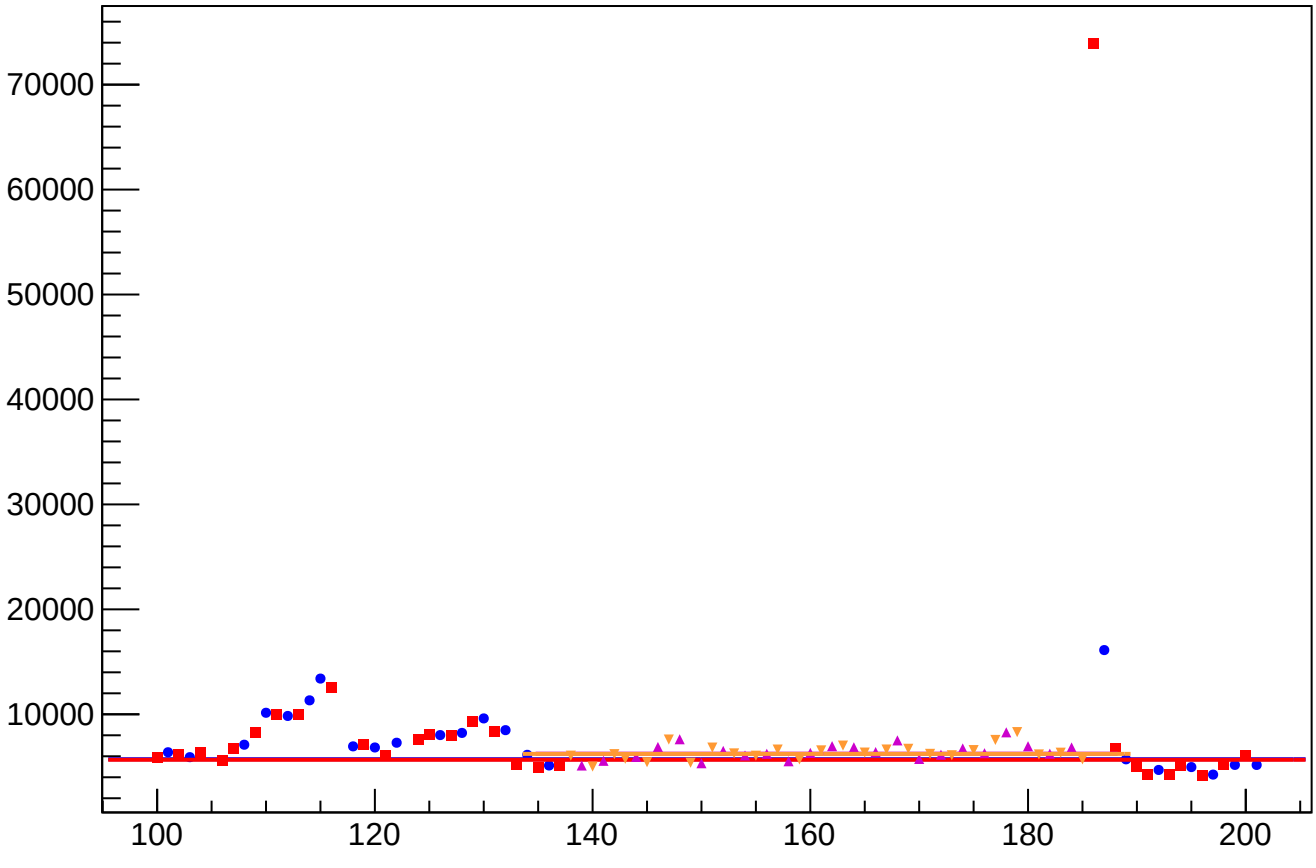
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.977+/-1.169 χ^2/NDF: 51.9/50

In: 0.156+/-1.112 χ^2/NDF:55.6/45

Out: 0.496+/-1.070 χ^2/NDF:52.3/52

All: 0.333+/-0.771 χ^2/NDF: 108.0/98



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: 5667.244+/-1.141 χ^2/NDF: 2307787.7/27

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

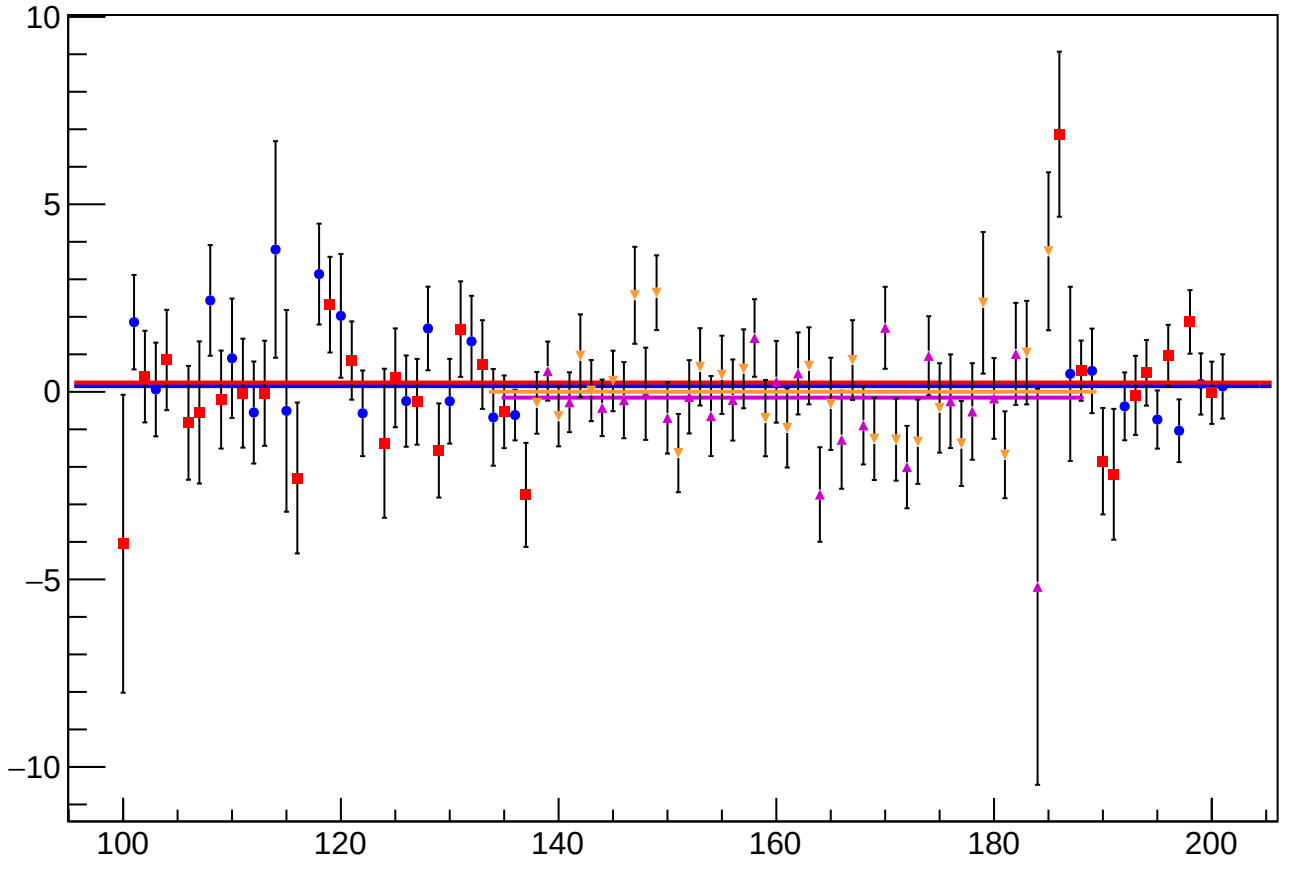
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5692.311+/-0.826 χ^2/NDF: 3876956.5/50

In: 6019.841+/-0.786 χ^2/NDF:2163260.4/45

Out: 5981.860+/-0.757 χ^2/NDF:2914227.4/52

All: 6000.126+/-0.545 χ^2/NDF: 5078699.2/98



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: 0.249+/-0.226 χ^2/NDF: 34.6/27

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

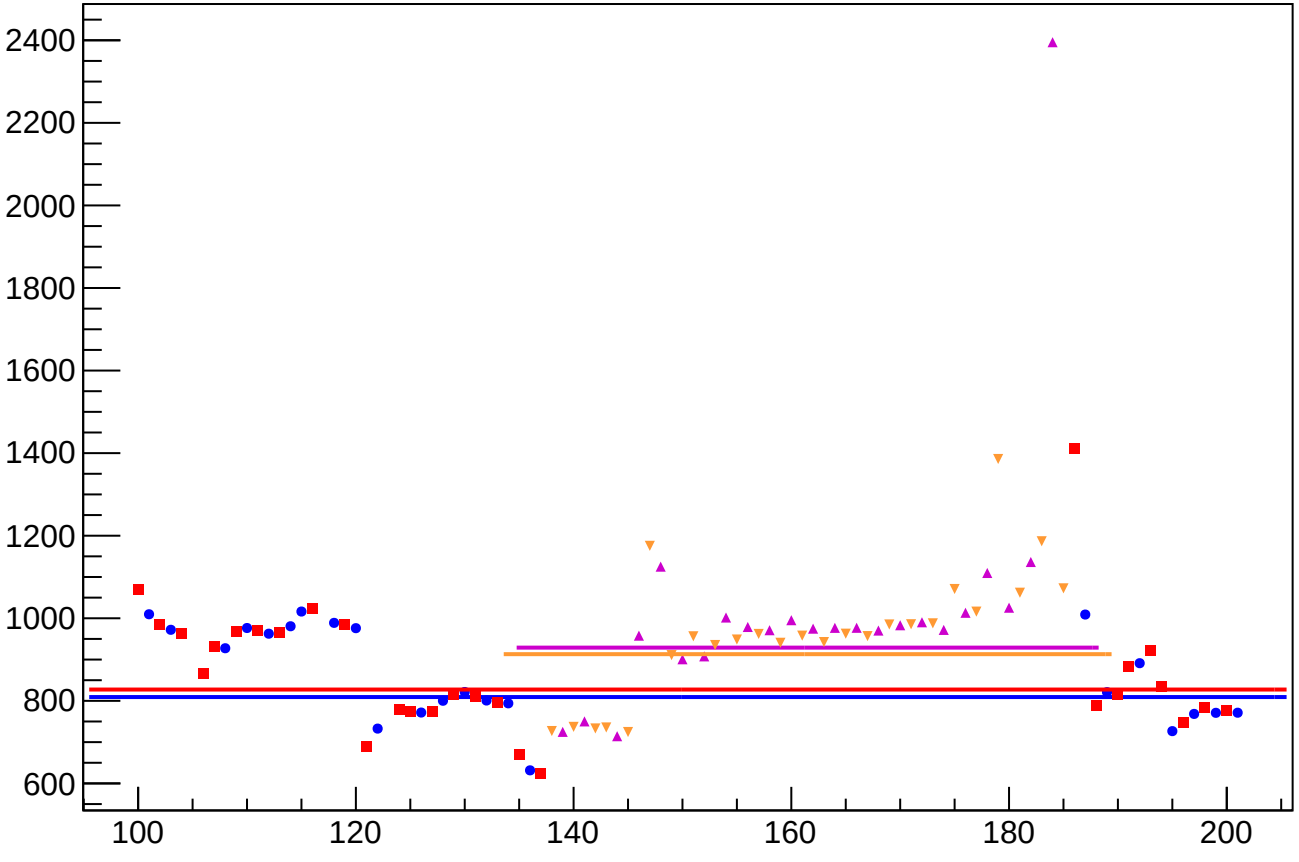
Right: 0.202+/-0.162 χ^2/NDF: 56.3/50

In: -0.009+/-0.160 χ^2/NDF:41.0/45

Out: 0.118+/-0.155 χ^2/NDF:66.8/52

All: 0.057+/-0.111 χ^2/NDF: 108.2/98

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: 827.392+/-0.160 χ^2/NDF: 517273.9/27

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

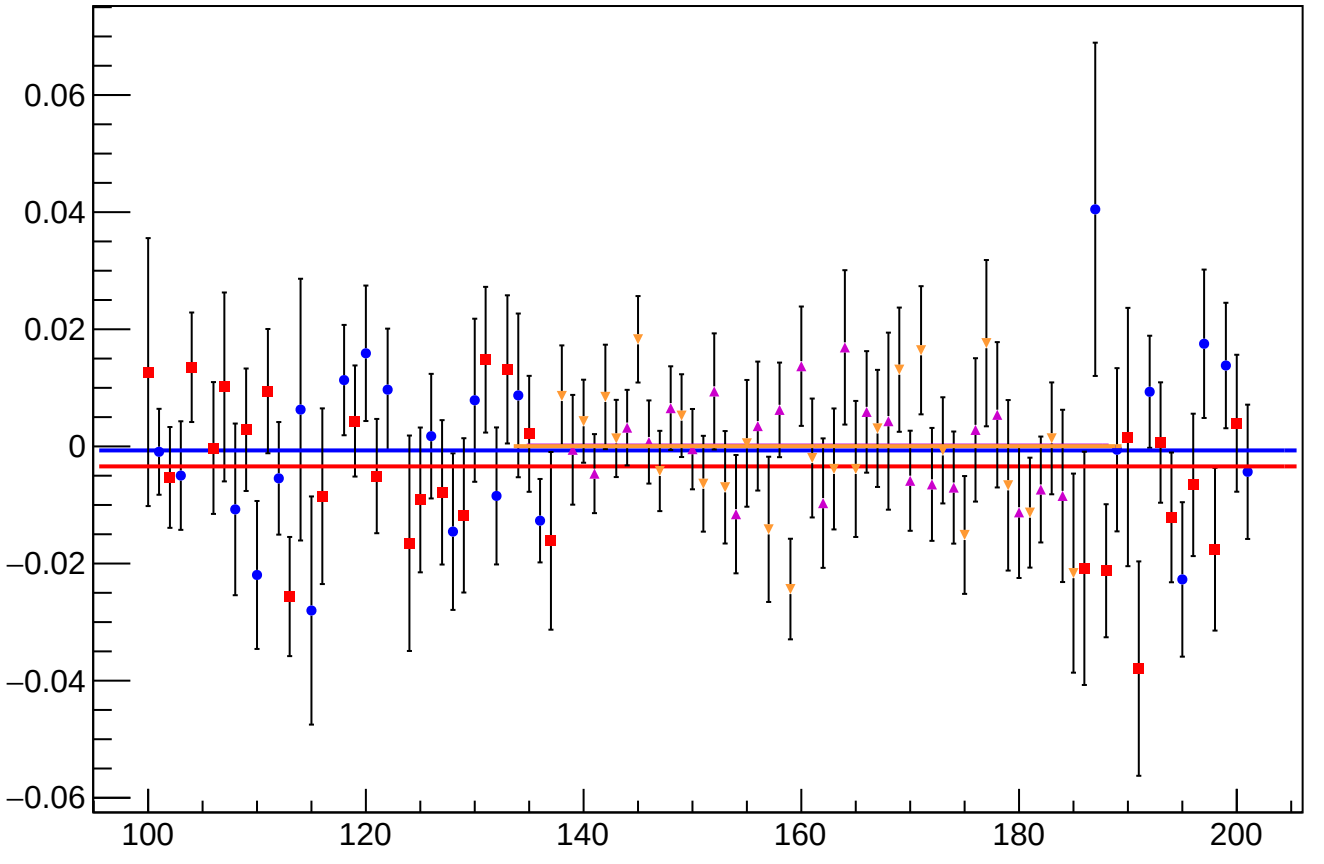
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 818.556+/-0.115 χ^2/NDF: 961029.9/50

In: 872.070+/-0.113 χ^2/NDF:1485010.3/45

Out: 872.958+/-0.109 χ^2/NDF:1559521.7/52

All: 872.530+/-0.079 χ^2/NDF: 3044563.8/98



Right In: -0.001+/-0.002 χ^2/NDF: 25.7/22

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.003+/-0.002 χ^2/NDF: 27.3/27

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

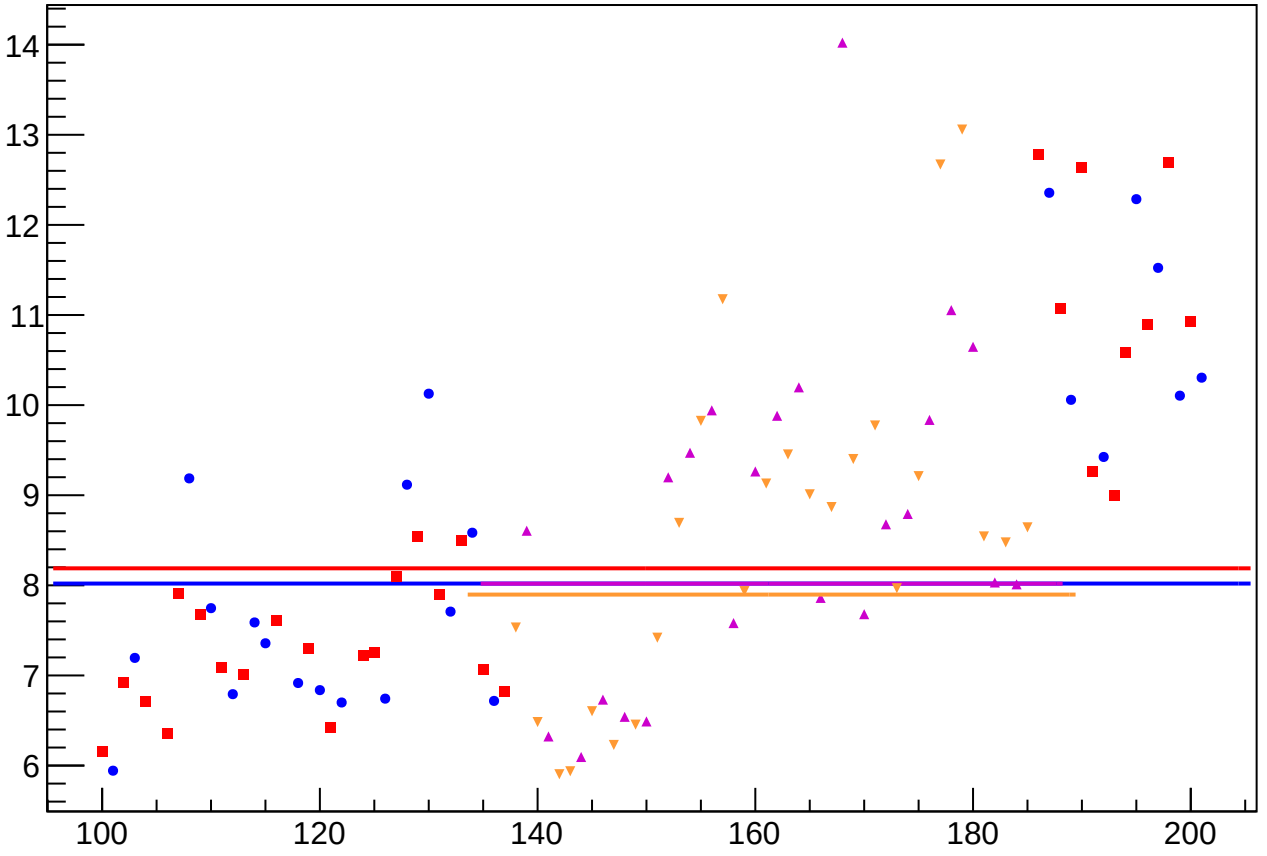
Right: -0.002+/-0.002 χ^2/NDF: 53.7/50

In: -0.000+/-0.001 χ^2/NDF:38.6/45

Out: -0.001+/-0.001 χ^2/NDF:59.8/52

All: -0.001+/-0.001 χ^2/NDF: 98.7/98

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: 8.189+/-0.002 χ^2/NDF: 1210721.1/27

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

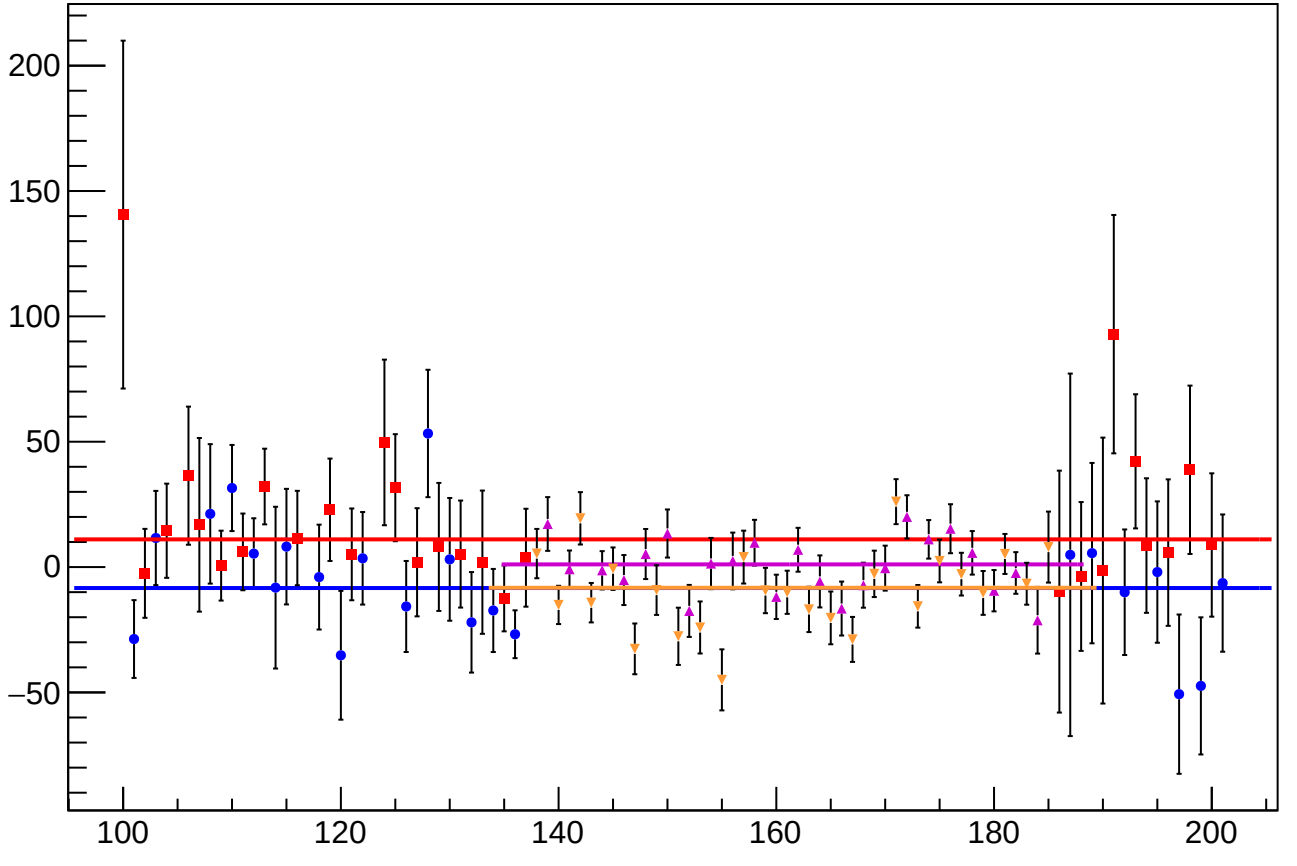
Right: 8.107+/-0.001 χ^2/NDF: 2331222.3/50

In: 8.019+/-0.001 χ^2/NDF:2570859.3/45

Out: 8.013+/-0.001 χ^2/NDF:2821410.7/52

All: 8.016+/-0.001 χ^2/NDF: 5392287.4/98

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: 11.051+/-4.173 χ^2/NDF: 19.6/27

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

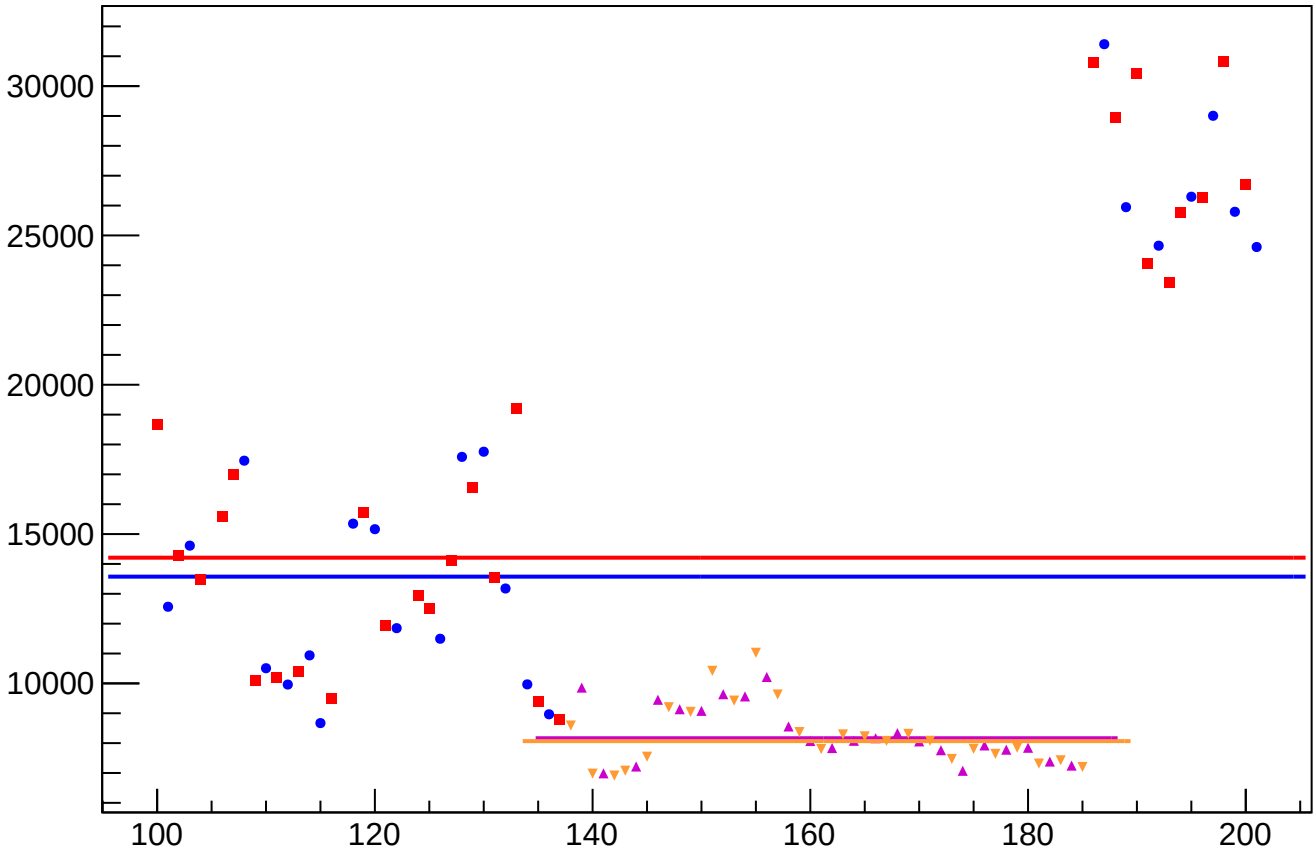
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 1.373+/-2.955 χ^2/NDF: 57.6/50

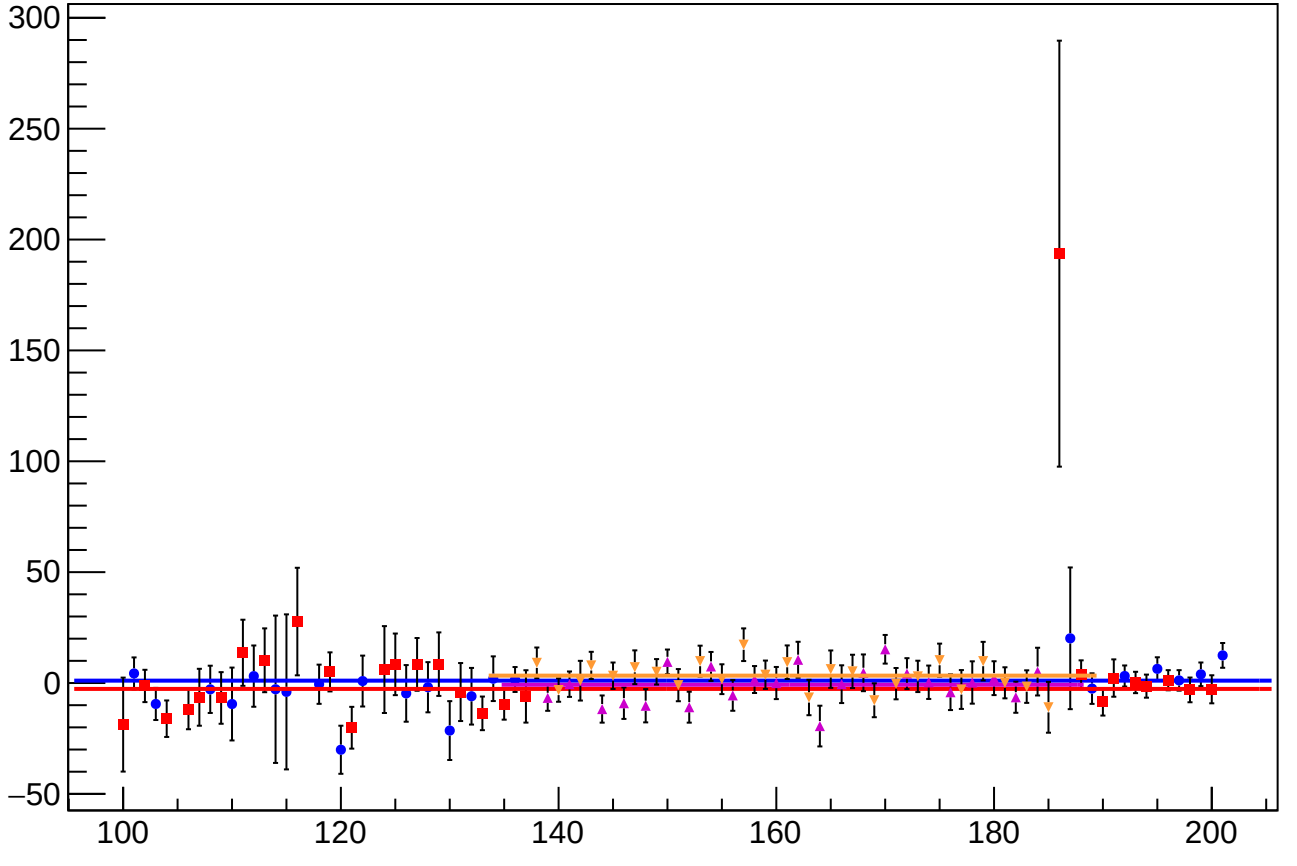
In: -0.570+/-1.746 χ^2/NDF:60.2/45

Out: -5.086+/-1.691 χ^2/NDF:99.7/52

All: -2.900+/-1.215 χ^2/NDF: 163.3/98


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13574.317+/-2.959 χ²/NDF: 3442205.9/22
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14209.158+/-2.950 χ²/NDF: 3976130.8/27
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 13892.615+/-2.089 χ²/NDF: 7441420.7/50
In: 9105.299+/-1.234 χ²/NDF:6636972.1/45
Out: 9075.273+/-1.196 χ²/NDF:8096715.7/52
All: 9089.807+/-0.859 χ²/NDF: 14733993.1/9

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: -2.660+/-1.549 χ^2/NDF: 25.3/27

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

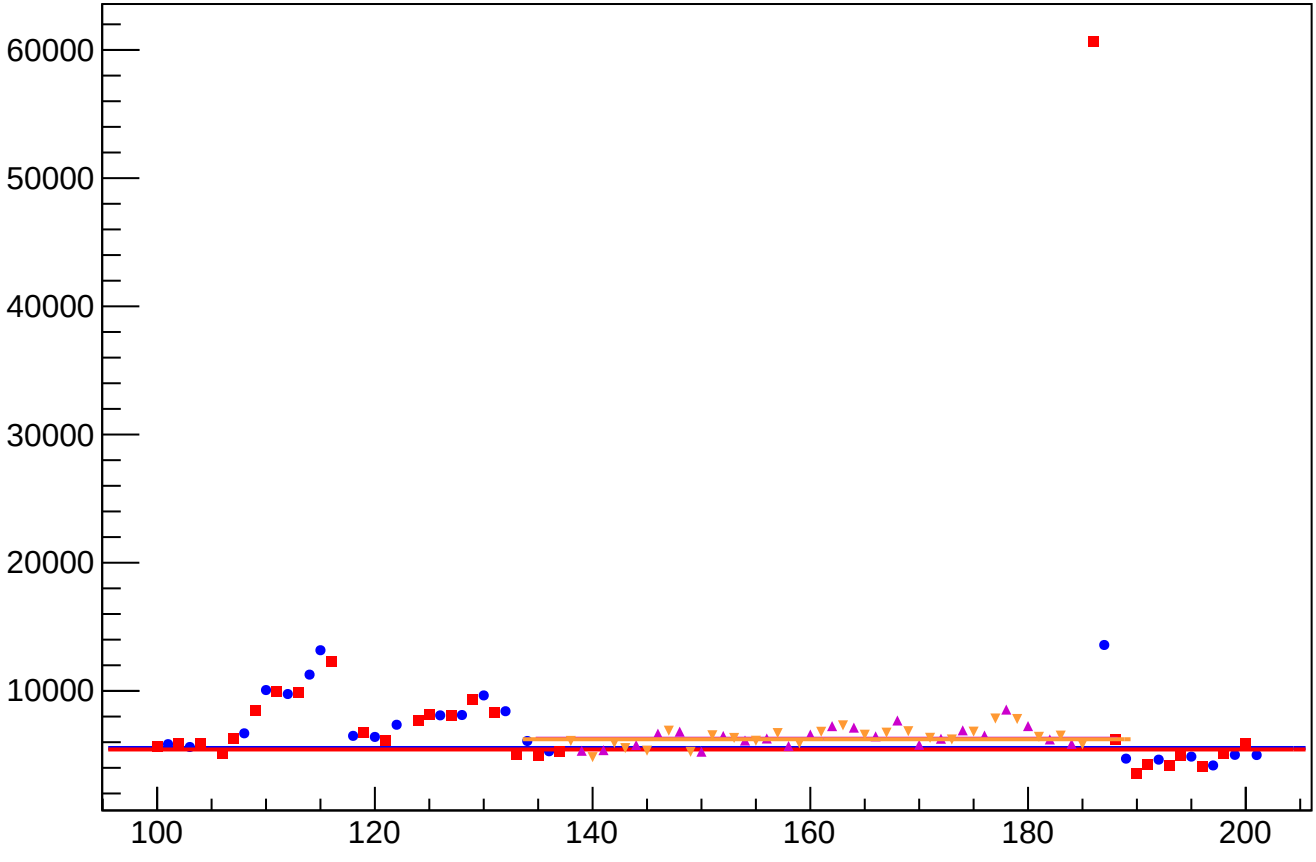
Right: -0.904+/-1.127 χ^2/NDF: 49.0/50

In: 0.040+/-1.099 χ^2/NDF:51.1/45

Out: 0.572+/-1.051 χ^2/NDF:50.3/52

All: 0.318+/-0.759 χ^2/NDF: 101.5/98

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5548.005+/-1.161 χ^2/NDF: 1563119.6/22

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5431.847+/-1.095 χ^2/NDF: 2457680.5/27

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

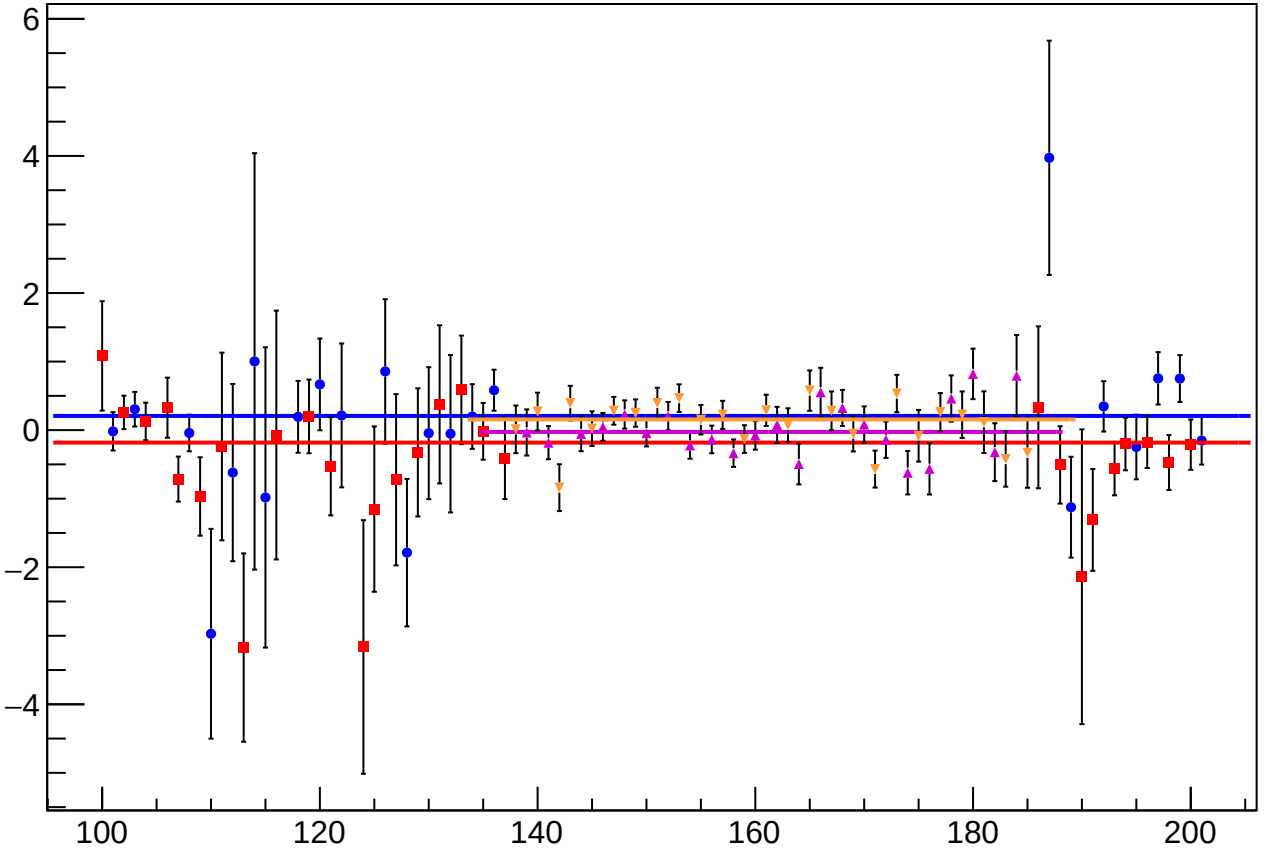
Right: 5486.525+/-0.797 χ^2/NDF: 4026096.0/50

In: 5947.207+/-0.777 χ^2/NDF:2281829.9/45

Out: 5863.040+/-0.743 χ^2/NDF:3277566.2/52

All: 5903.245+/-0.537 χ^2/NDF: 5565524.8/98

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: -0.182+/-0.095 χ^2/NDF: 28.5/27

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

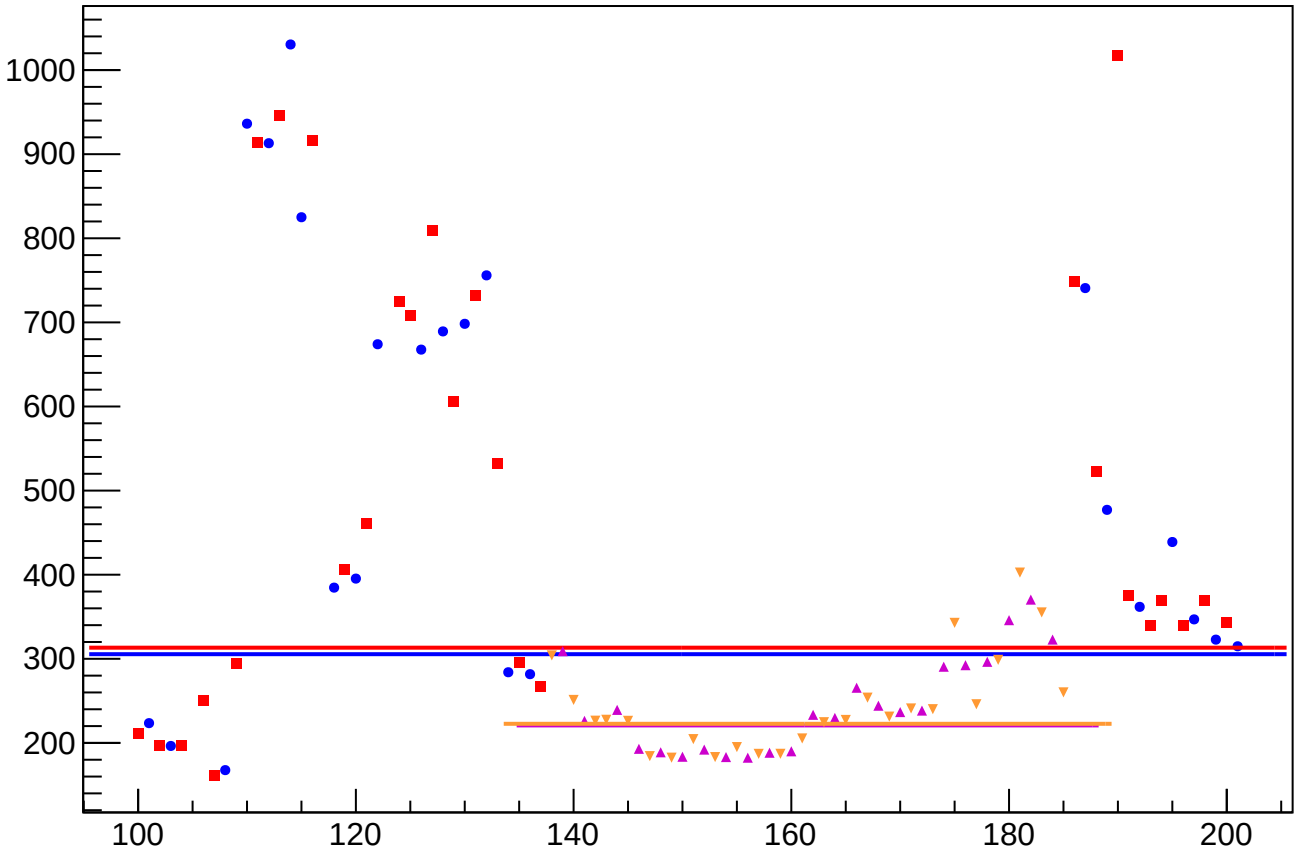
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.011+/-0.068 χ^2/NDF: 64.3/50

In: 0.028+/-0.046 χ^2/NDF:61.9/45

Out: 0.079+/-0.046 χ^2/NDF:70.4/52

All: 0.054+/-0.033 χ^2/NDF: 132.9/98



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: 313.233+/-0.068 χ^2/NDF: 4644207.6/27

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

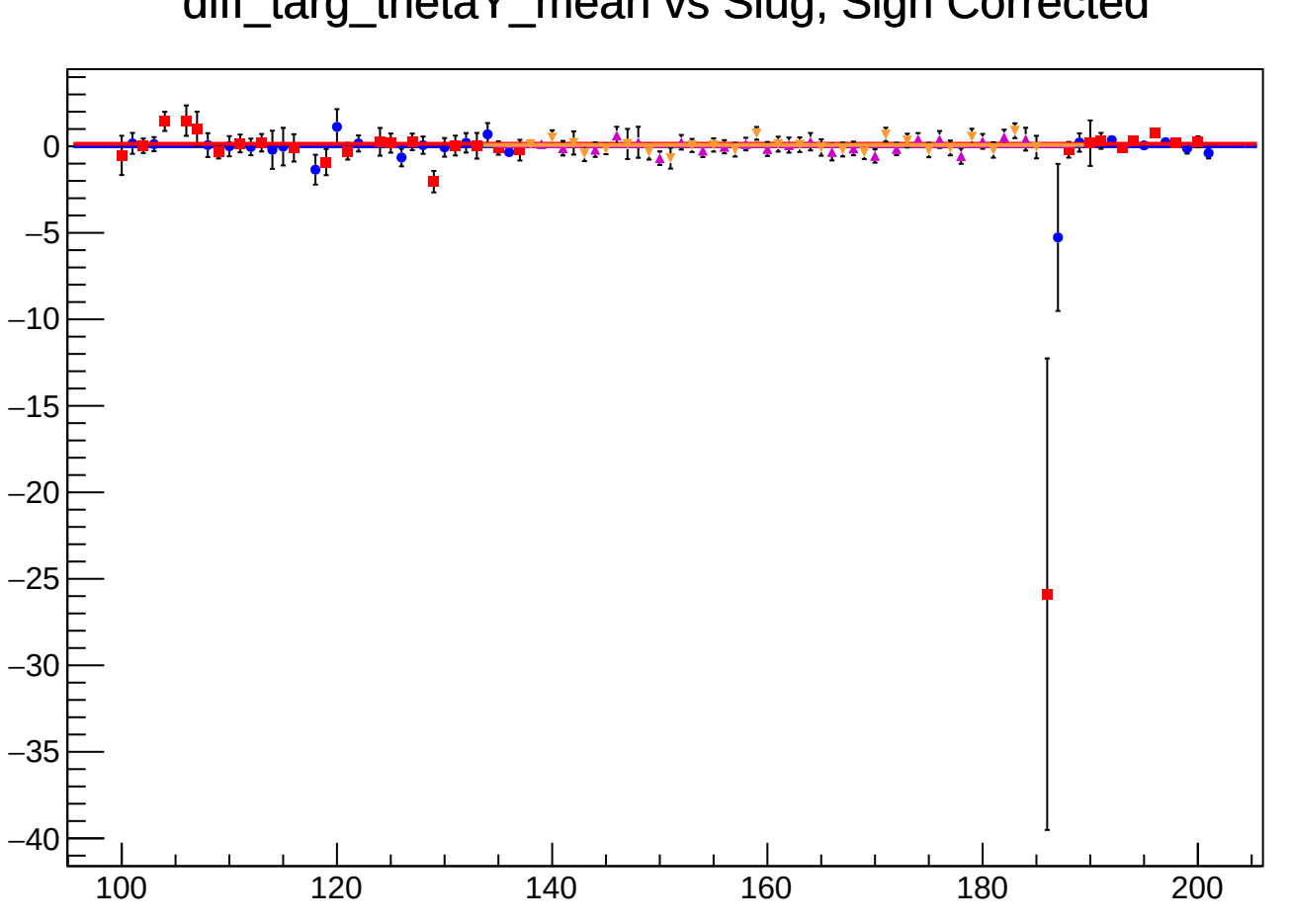
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 309.403+/-0.048 χ^2/NDF: 8690476.1/50

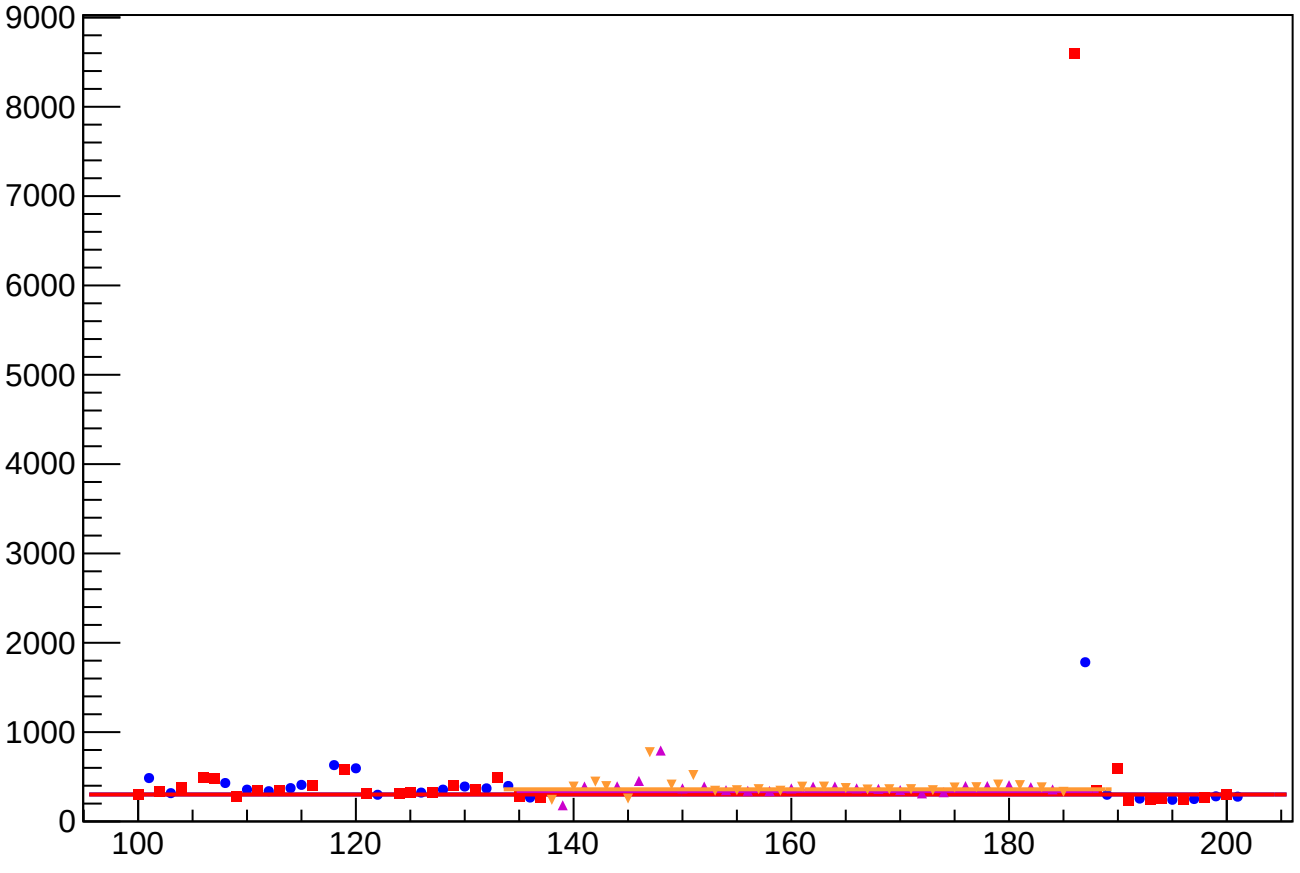
In: 240.439+/-0.033 χ^2/NDF:6696777.6/45

Out: 243.379+/-0.032 χ^2/NDF:7482811.7/52

All: 241.935+/-0.023 χ^2/NDF: 14183671.9/98


diff_targ_thetaY_mean vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
−40
100
120
140
160
180
200
Right In: 0.009+/-0.090 χ²/NDF: 14.4/22
Left Out: 0.079+/-0.084 χ²/NDF:19.0/24
Right Out: 0.148+/-0.087 χ²/NDF: 37.8/27
Left In: 0.009+/-0.083 χ²/NDF:15.2/22
Left: 0.043+/-0.059 χ²/NDF: 34.6/47
Right: 0.081+/-0.062 χ²/NDF: 53.5/50
In: 0.009+/-0.061 χ²/NDF:29.7/45
Out: 0.113+/-0.061 χ²/NDF:57.1/52
All: 0.061+/-0.043 χ²/NDF: 88.3/98

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: 301.615+/-0.061 χ^2/NDF: 1936440.8/27

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

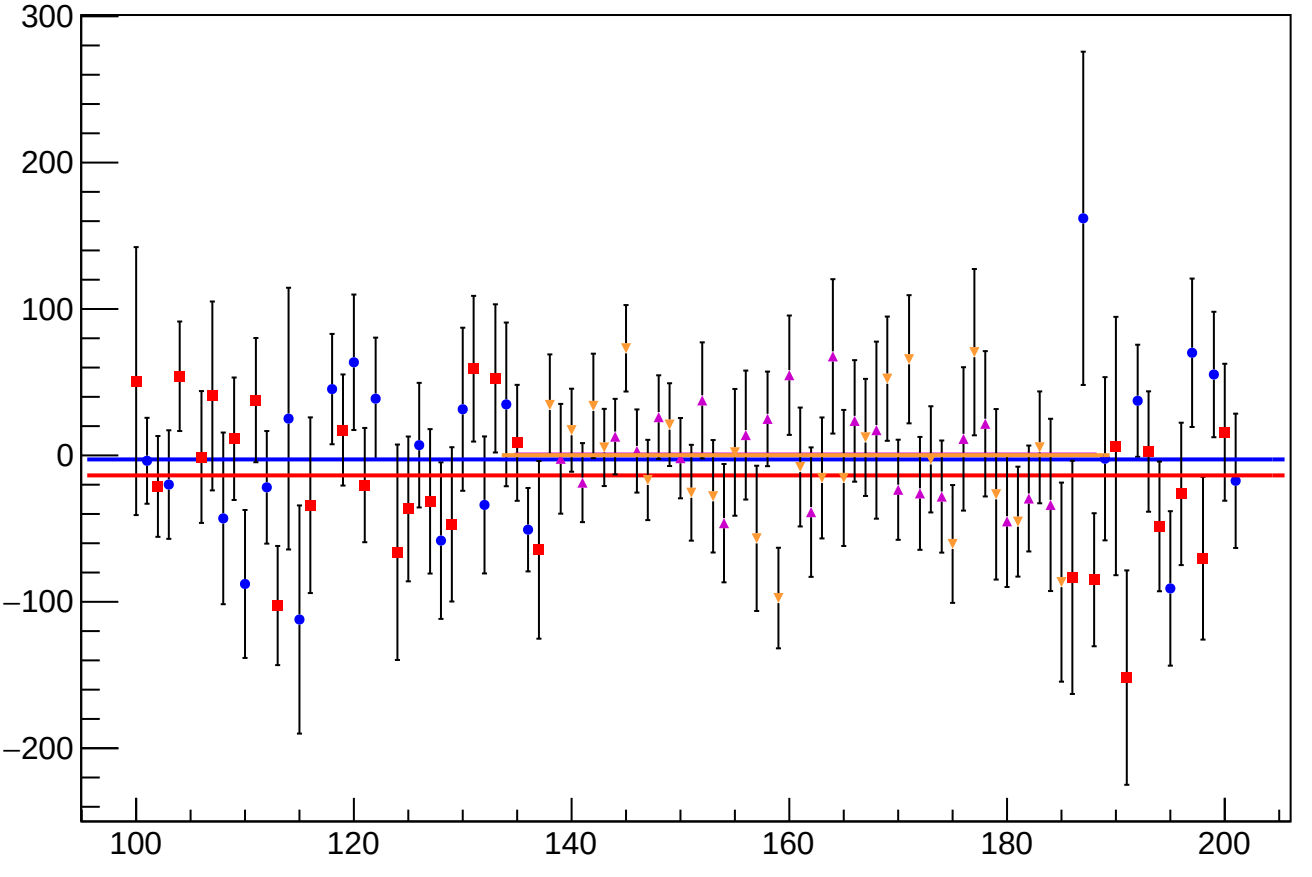
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 301.923+/-0.044 χ^2/NDF: 3385889.1/50

In: 322.699+/-0.043 χ^2/NDF:3865251.7/45

Out: 331.695+/-0.043 χ^2/NDF:3741700.5/52

All: 327.229+/-0.030 χ^2/NDF: 7628903.6/98



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: -13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

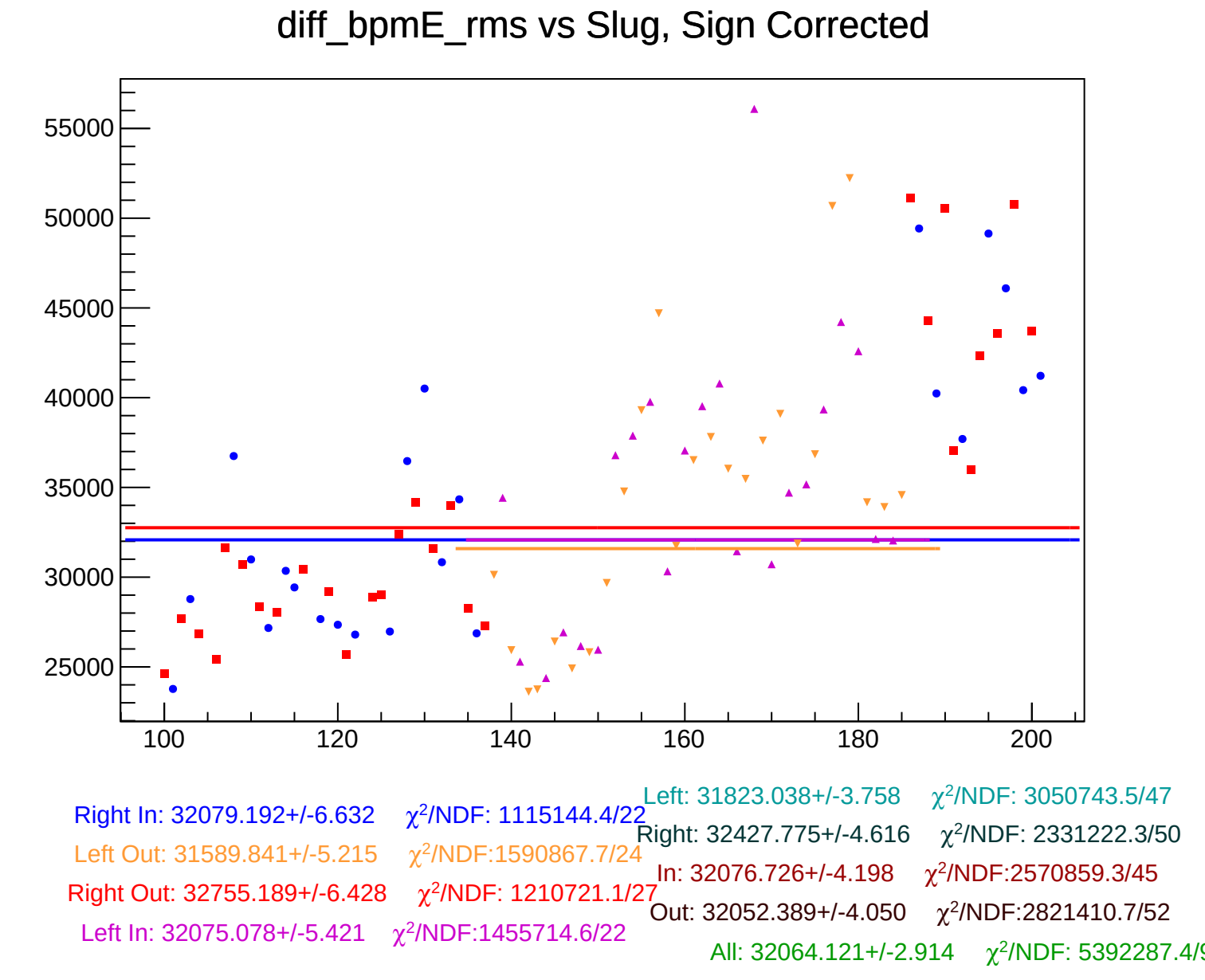
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.368+/-6.528 χ^2/NDF: 53.7/50

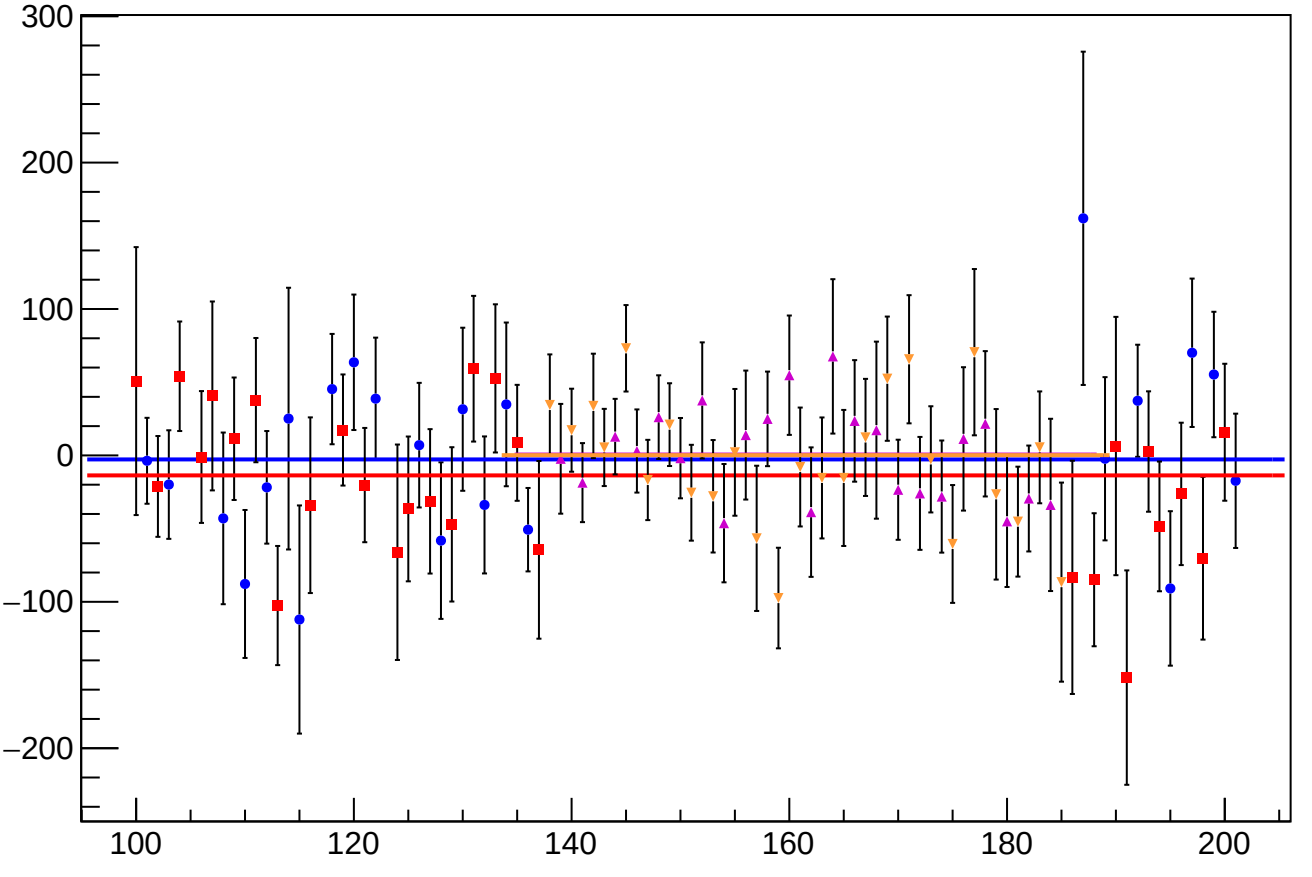
In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -3.114+/-4.122 χ^2/NDF: 98.7/98


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: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32427.775+/-4.616 χ²/NDF: 2331222.3/50
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32052.389+/-4.050 χ²/NDF:2821410.7/52
All: 32064.121+/-2.914 χ²/NDF: 5392287.4/9

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: -13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

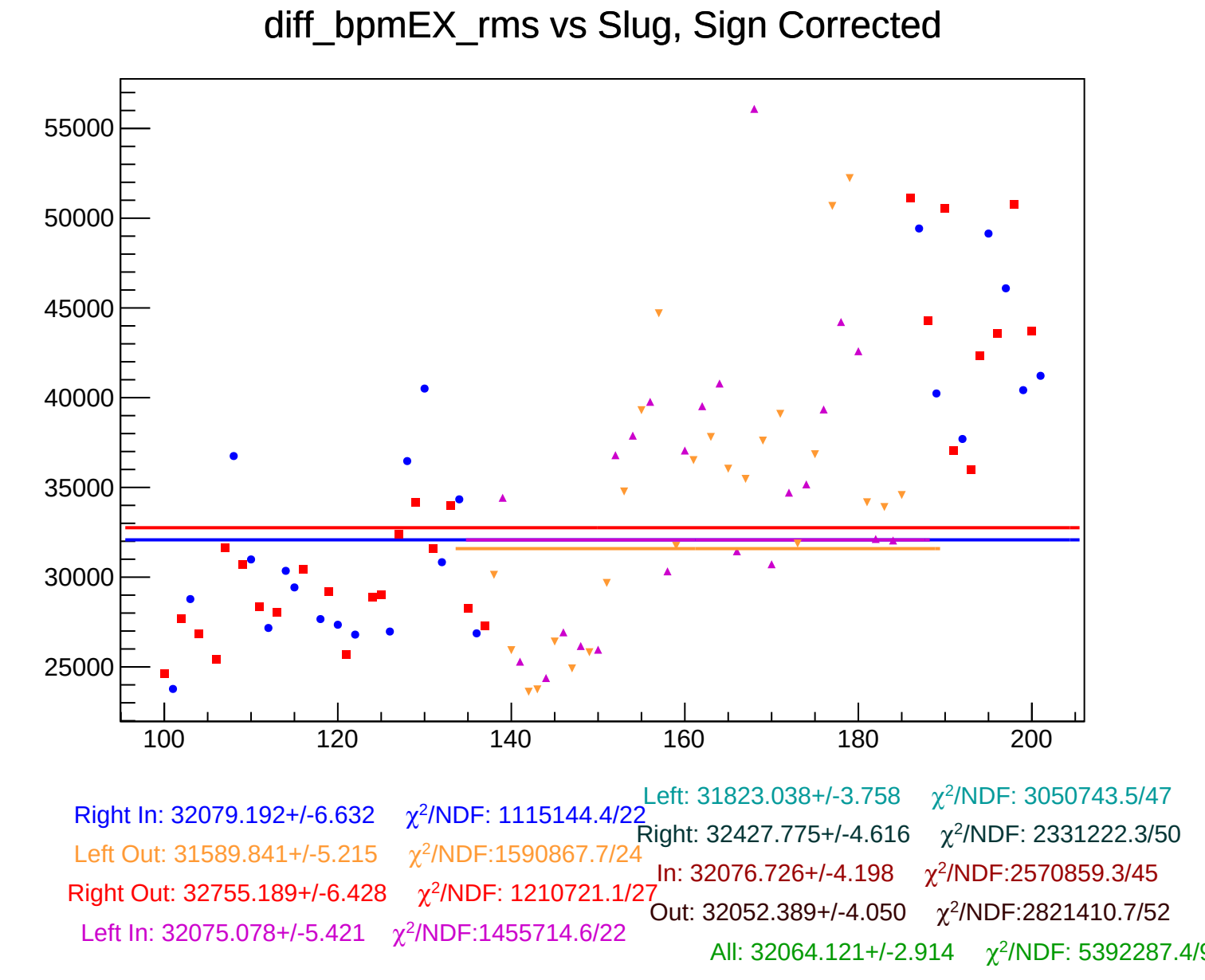
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

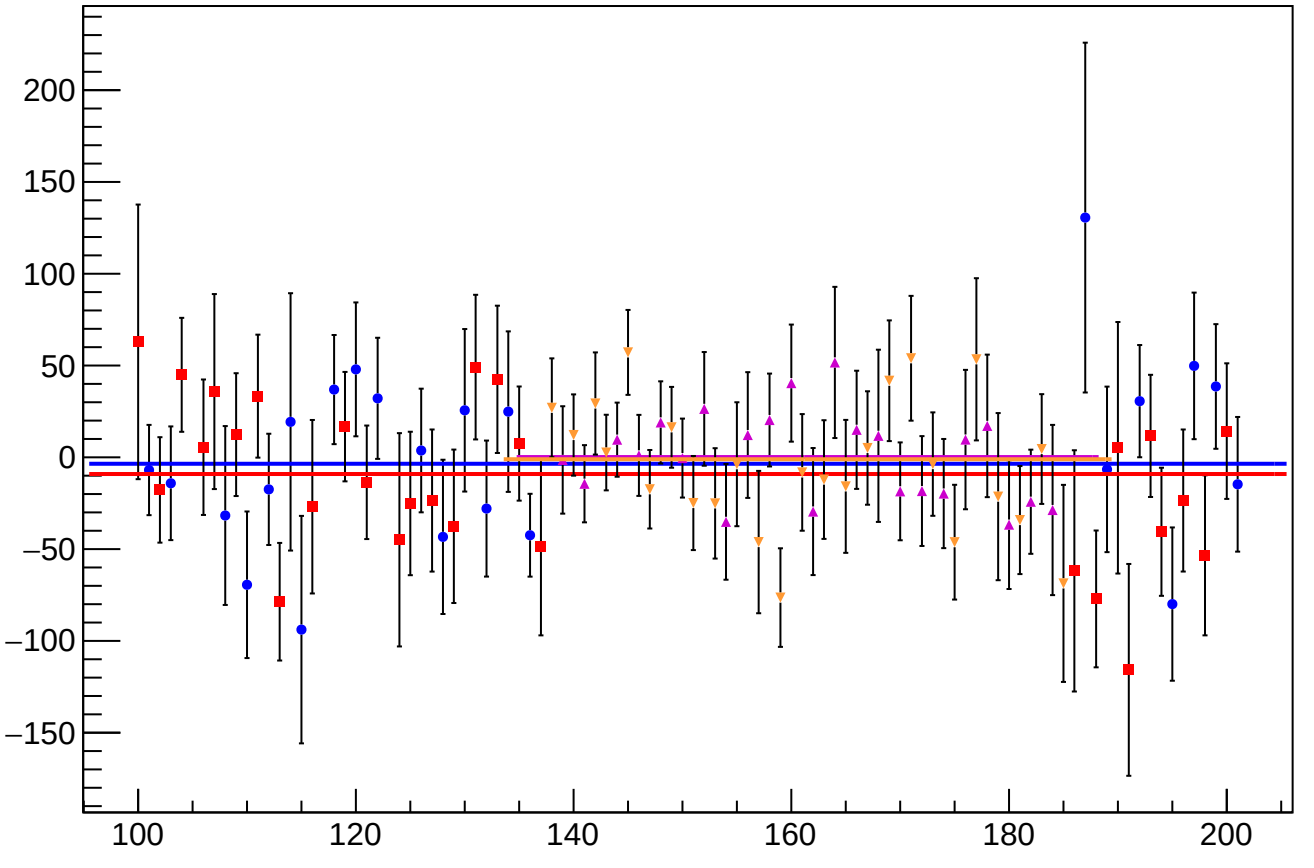
Right: -8.368+/-6.528 χ^2/NDF: 53.7/50

In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -3.114+/-4.122 χ^2/NDF: 98.7/98


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: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32427.775+/-4.616 χ²/NDF: 2331222.3/50
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32052.389+/-4.050 χ²/NDF:2821410.7/52
All: 32064.121+/-2.914 χ²/NDF: 5392287.4/9



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: -9.091+/-7.266 χ^2/NDF: 28.7/27

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

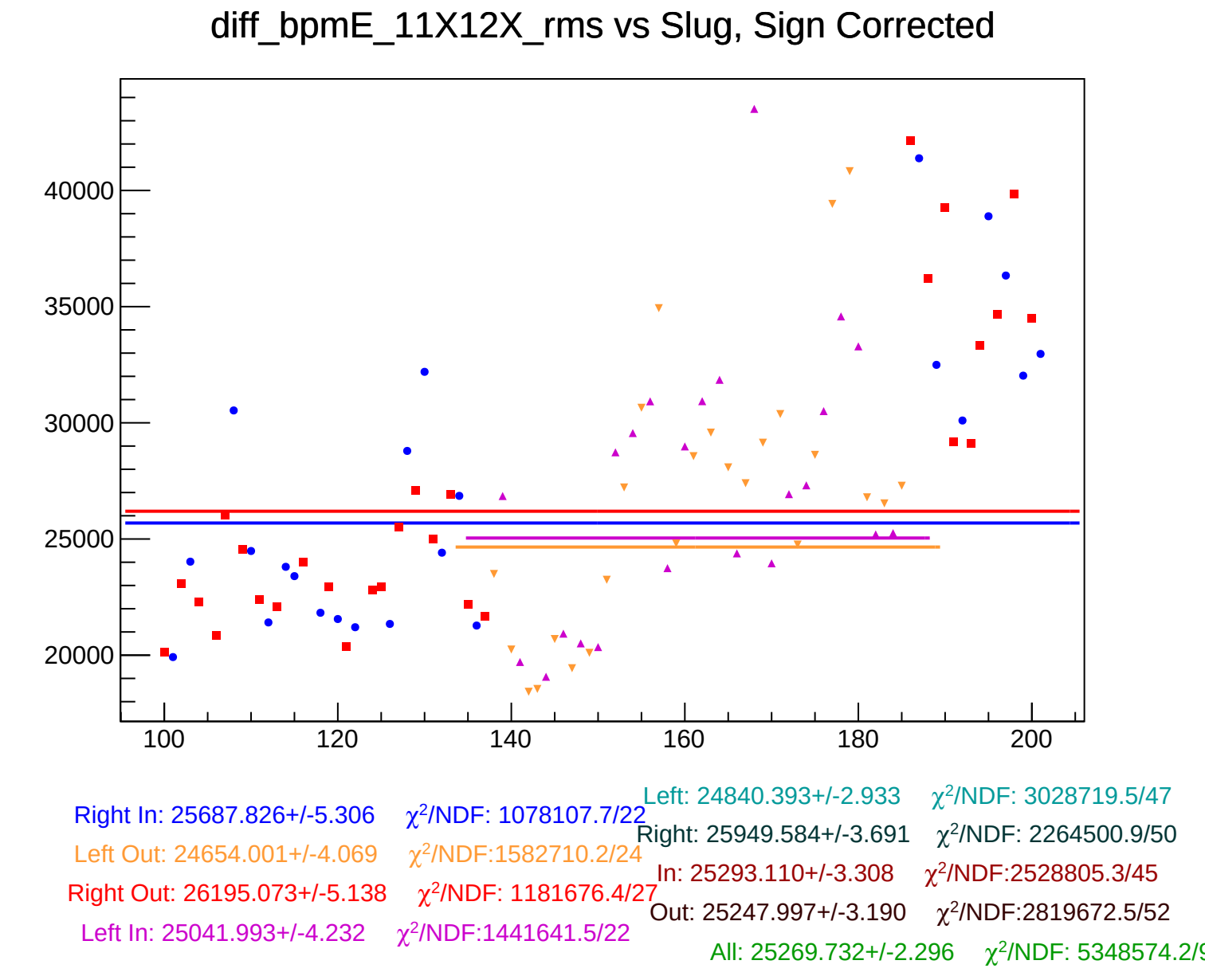
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.389+/-5.220 χ^2/NDF: 54.9/50

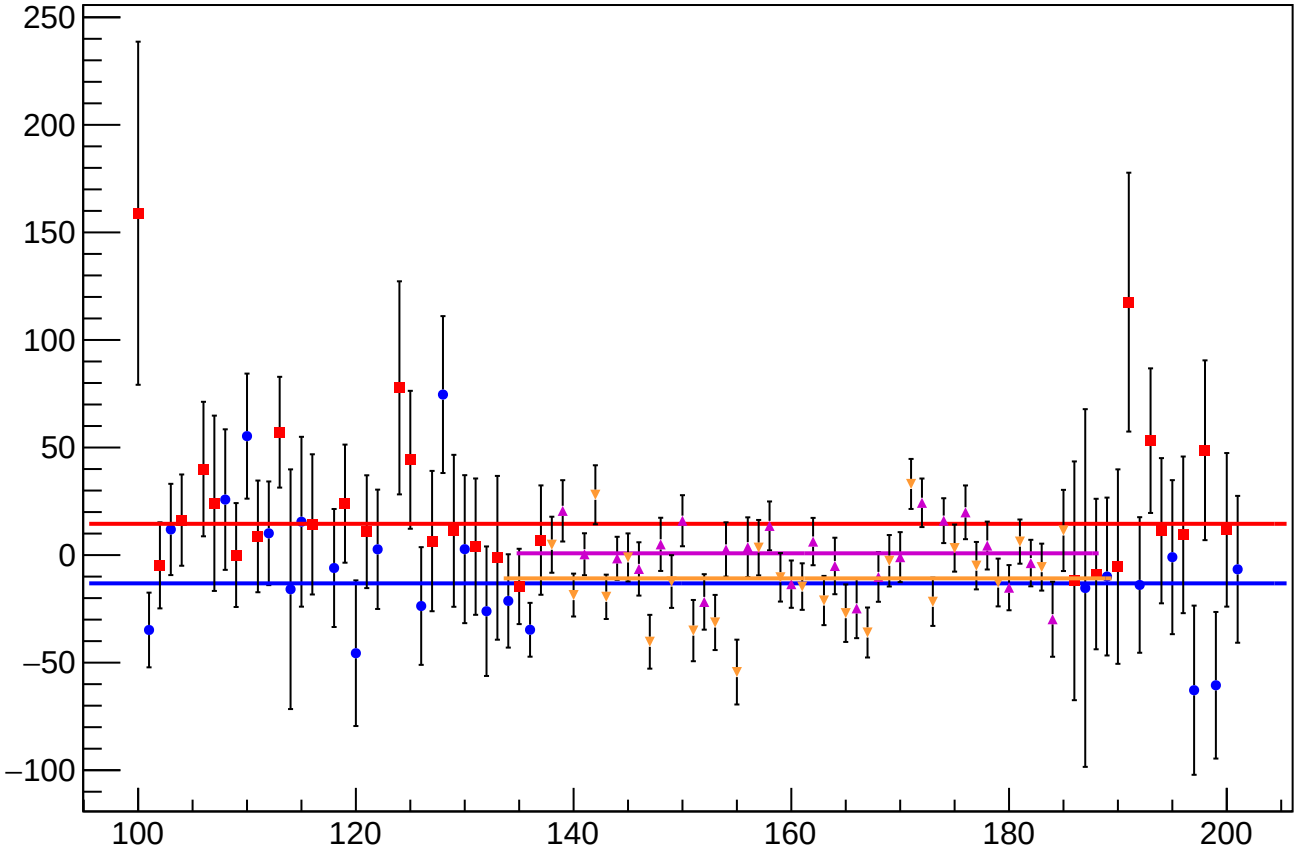
In: -1.274+/-4.679 χ^2/NDF:38.1/45

Out: -4.144+/-4.511 χ^2/NDF:61.8/52

All: -2.762+/-3.247 χ^2/NDF: 100.1/98


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: 26195.073+/-5.138 χ²/NDF: 1181676.4/27
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 25949.584+/-3.691 χ²/NDF: 2264500.9/50
In: 25293.110+/-3.308 χ²/NDF:2528805.3/45
Out: 25247.997+/-3.190 χ²/NDF:2819672.5/52
All: 25269.732+/-2.296 χ²/NDF: 5348574.2/9

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: 14.536+/-5.742 χ^2/NDF: 19.7/27

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

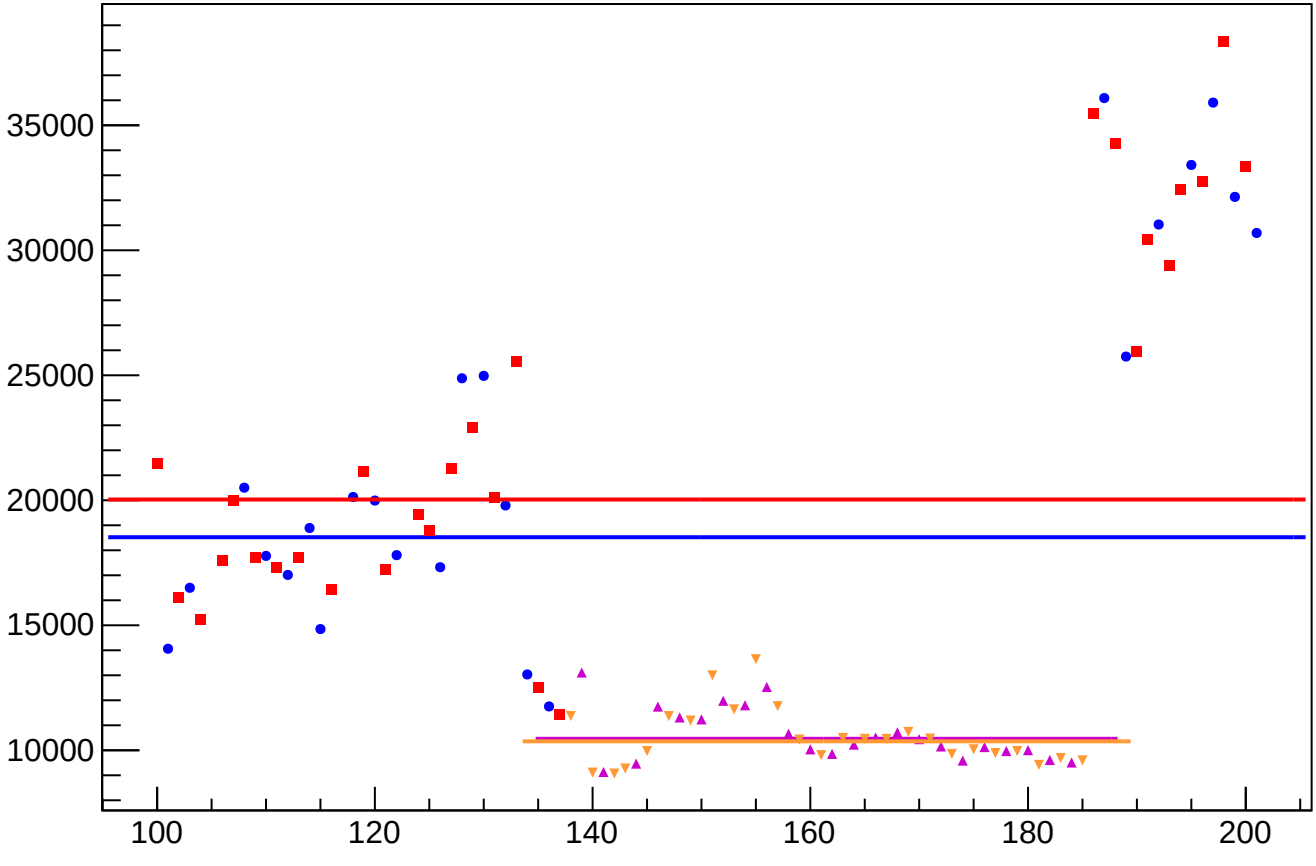
Right: 0.449+/-4.023 χ^2/NDF: 57.4/50

In: -1.402+/-2.253 χ^2/NDF:60.4/45

Out: -7.130+/-2.191 χ^2/NDF:97.7/52

All: -4.345+/-1.571 χ^2/NDF: 161.4/98

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: 20030.727+/-4.060 χ^2/NDF: 2871833.8/27

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

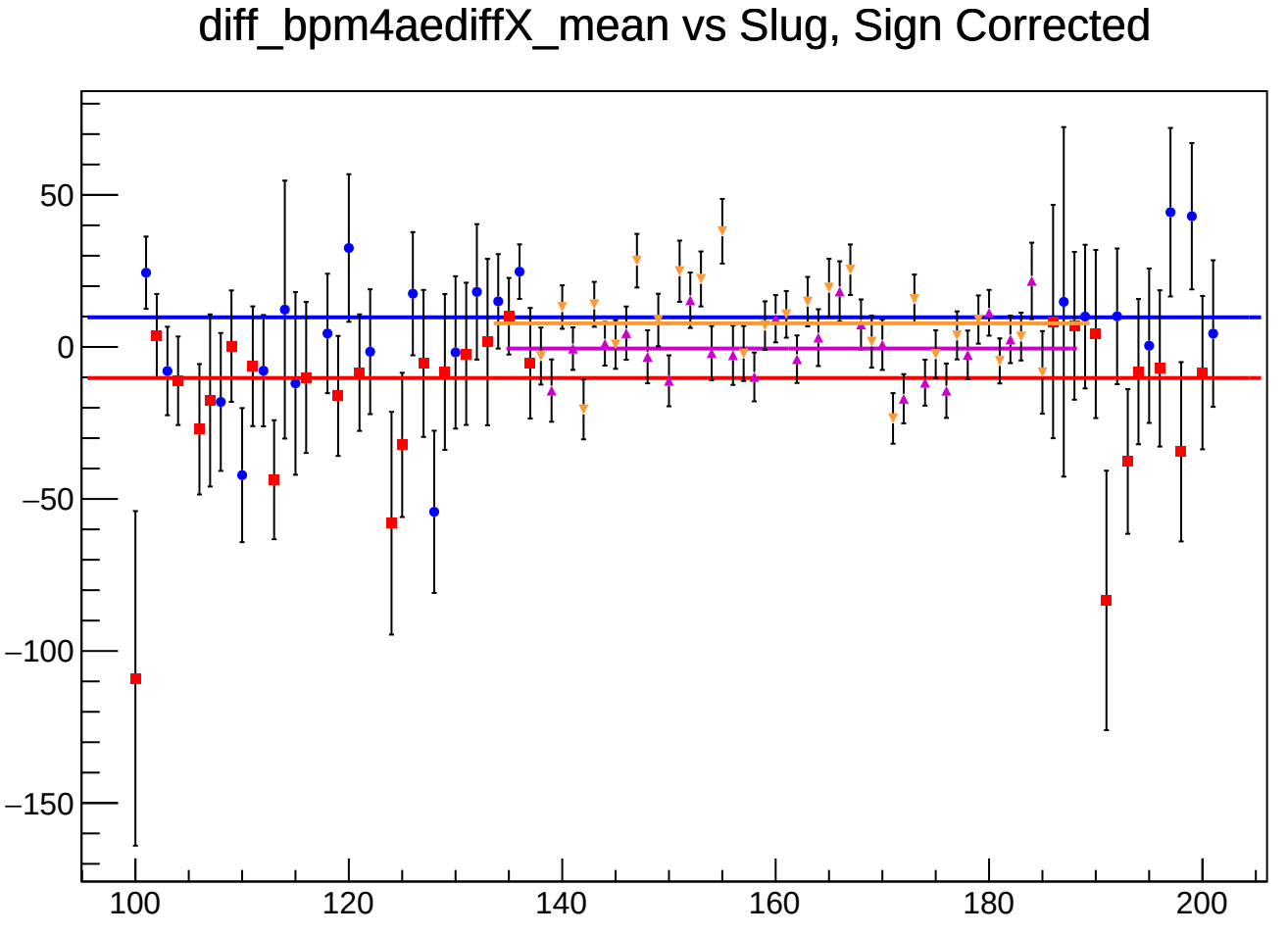
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 19263.199+/-2.845 χ^2/NDF: 5782367.6/50

In: 11745.315+/-1.593 χ^2/NDF:6591007.5/45

Out: 11766.844+/-1.549 χ^2/NDF:8084329.9/52

All: 11756.378+/-1.111 χ^2/NDF: 14675431.2/



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: -10.219+/-4.114 χ^2/NDF: 19.9/27

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

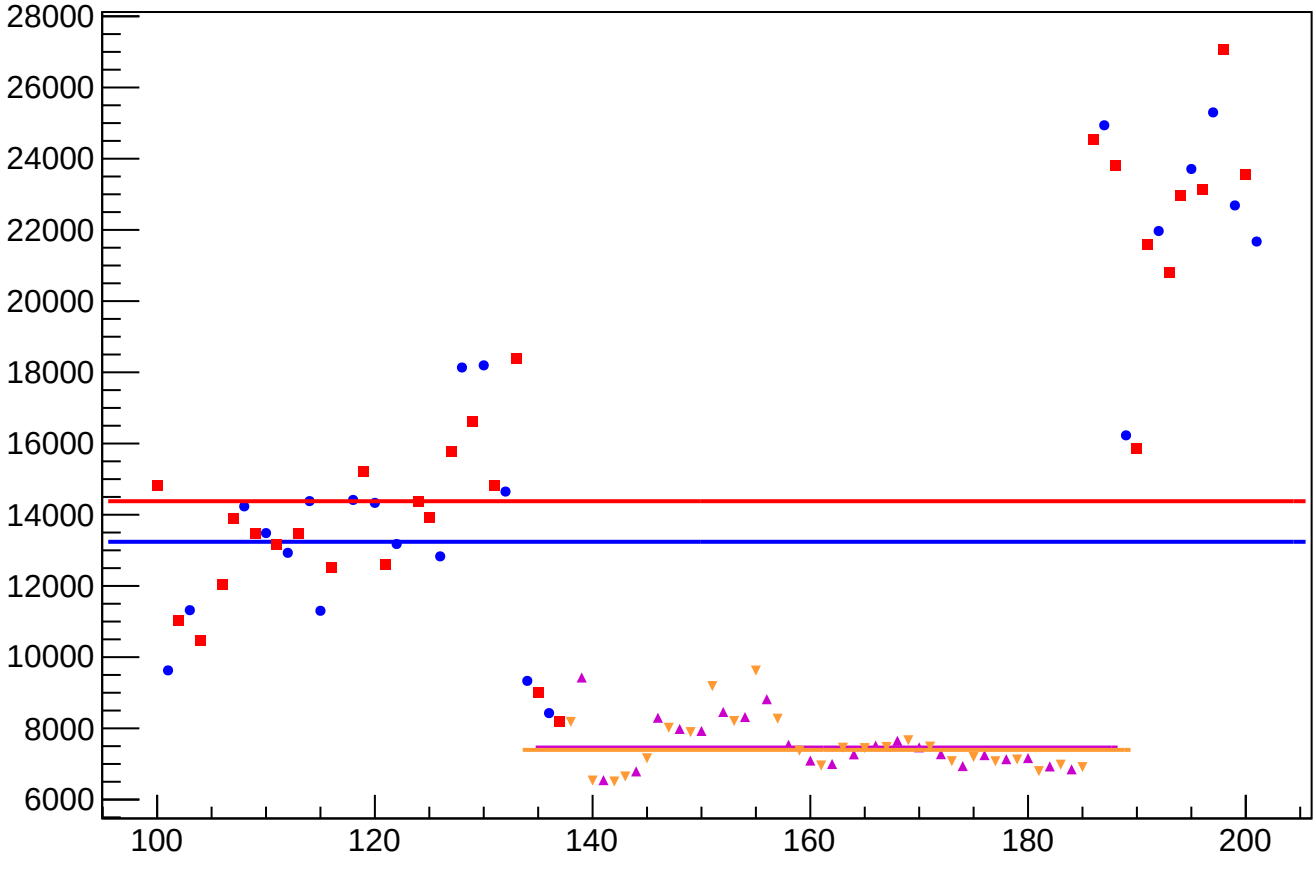
Right: -0.037+/-2.879 χ^2/NDF: 57.5/50

In: 1.100+/-1.607 χ^2/NDF:60.5/45

Out: 5.162+/-1.564 χ^2/NDF:97.2/52

All: 3.186+/-1.121 χ^2/NDF: 161.0/98

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: 14379.845+/-2.909 χ^2/NDF: 2776050.1/27

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

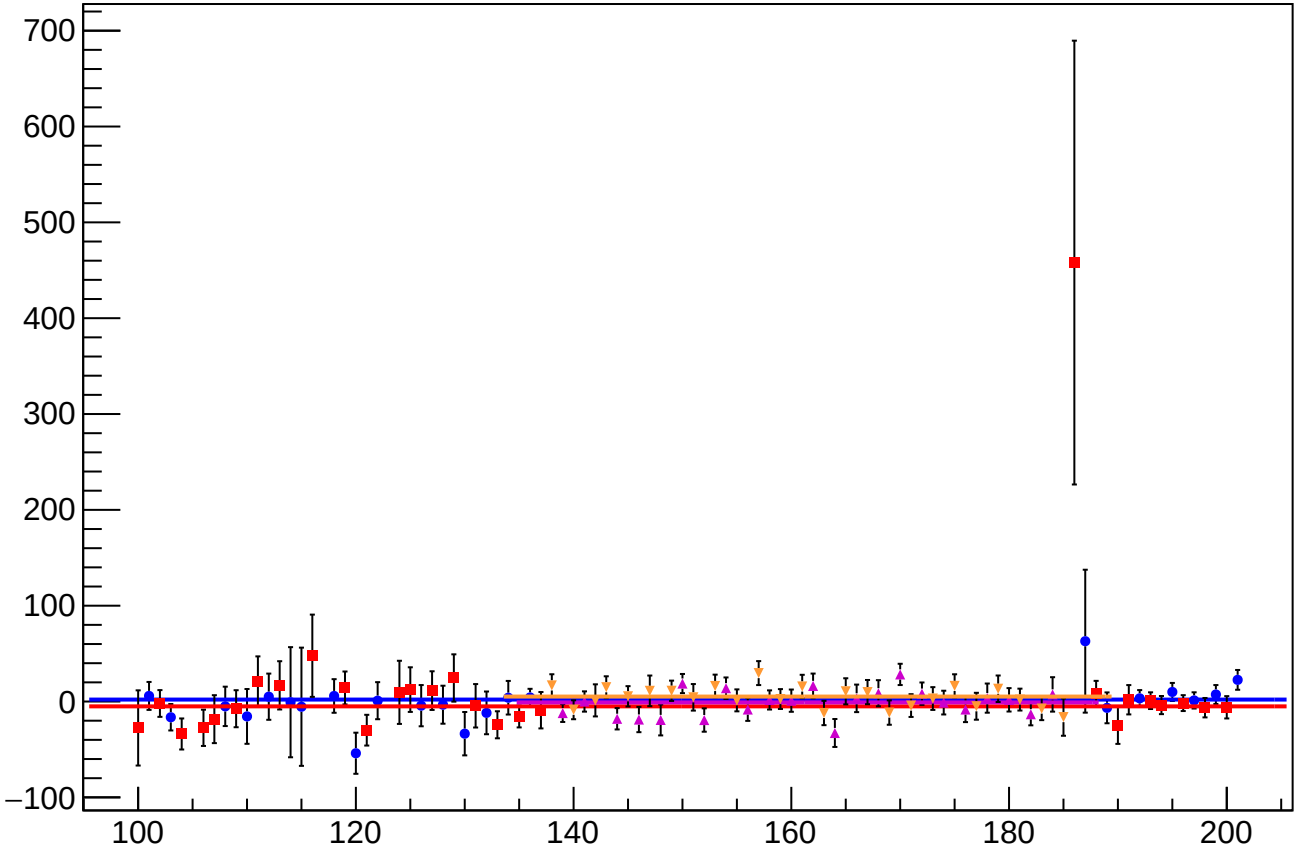
Right: 13798.474+/-2.036 χ^2/NDF: 5648764.2/50

In: 8378.846+/-1.136 χ^2/NDF:6535481.1/45

Out: 8405.752+/-1.106 χ^2/NDF:8031983.5/52

All: 8392.659+/-0.793 χ^2/NDF: 14567752.5/9

diff_bpm4aesumY_mean vs Slug, Sign Corrected



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: -5.048+/-2.884 χ^2/NDF: 24.6/27

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

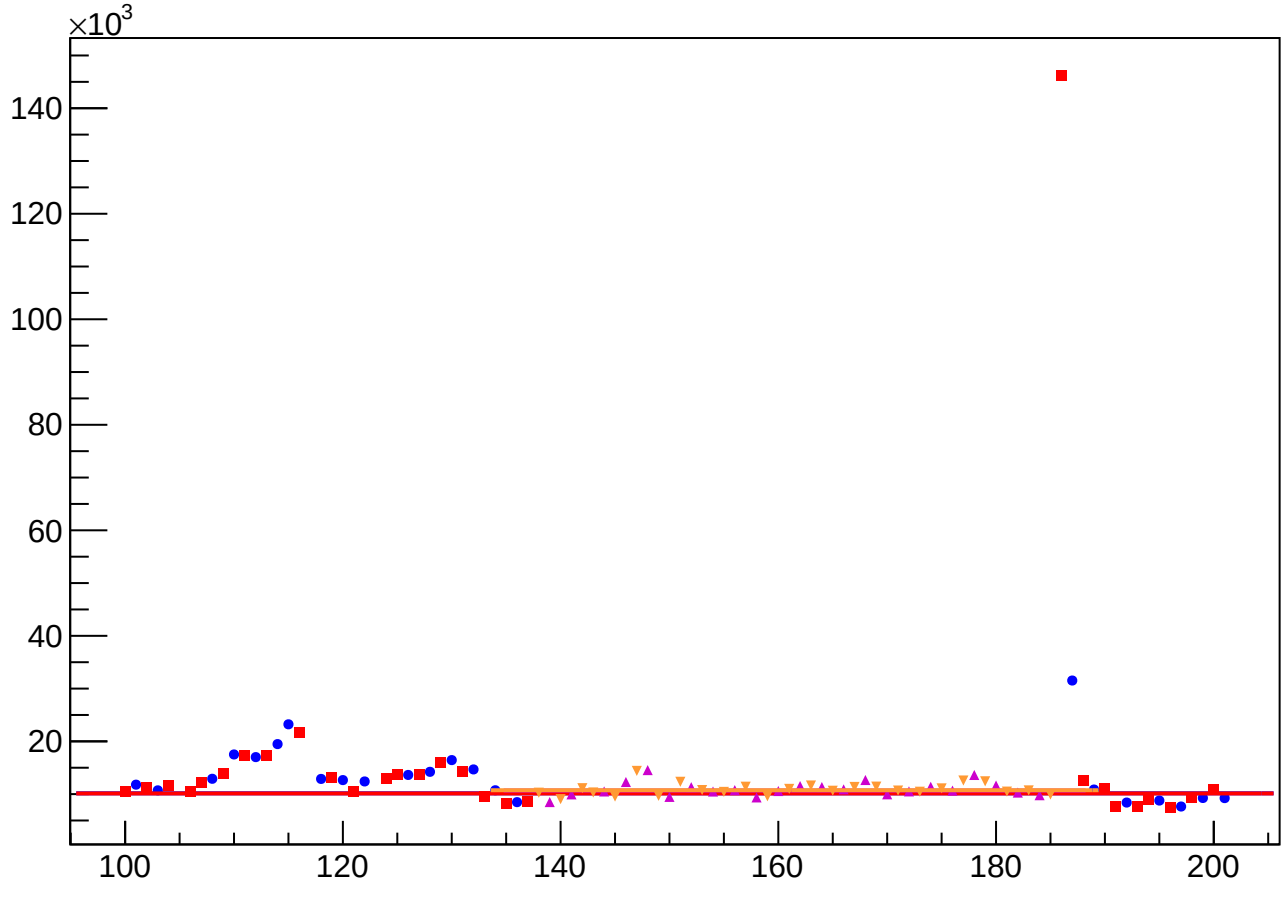
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.649+/-2.081 χ^2/NDF: 45.8/50

In: 0.320+/-1.931 χ^2/NDF:50.7/45

Out: 0.873+/-1.871 χ^2/NDF:50.3/52

All: 0.605+/-1.344 χ^2/NDF: 101.0/98



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: 10124.079+/-2.039 χ^2/NDF: 2262588.5/27

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

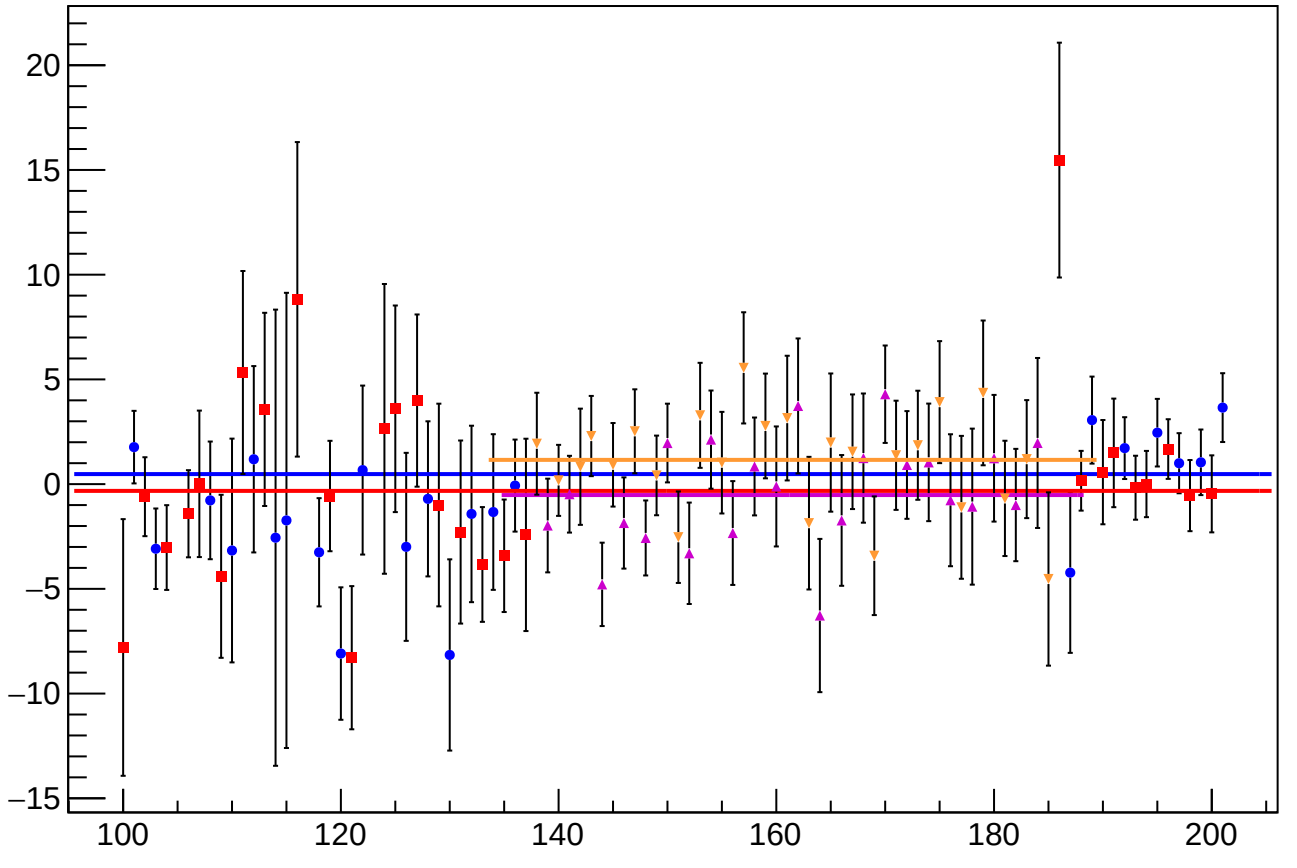
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10137.165+/-1.472 χ^2/NDF: 3813198.0/50

In: 10460.323+/-1.365 χ^2/NDF:2087044.6/45

Out: 10477.105+/-1.323 χ^2/NDF:2682623.8/52

All: 10468.977+/-0.950 χ^2/NDF: 4769746.4/9



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: -0.323+/-0.466 χ^2/NDF: 29.7/27

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

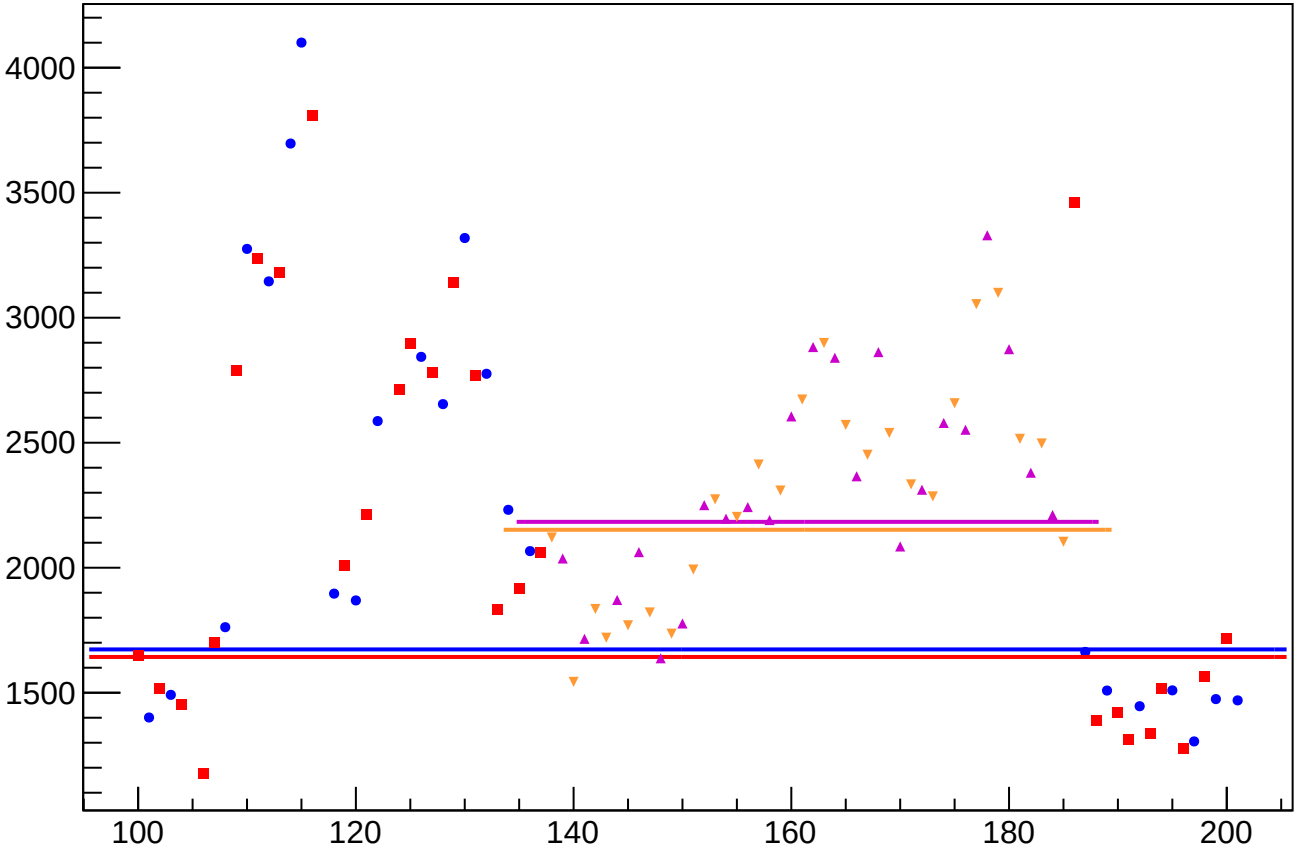
Right: 0.053+/-0.340 χ^2/NDF: 59.4/50

In: 0.002+/-0.359 χ^2/NDF:52.5/45

Out: 0.365+/-0.341 χ^2/NDF:51.2/52

All: 0.193+/-0.247 χ^2/NDF: 104.3/98

diff_bpm4aediffY_rms vs Slug, Sign Corrected



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: 1643.038+/-0.330 χ^2/NDF: 2255123.8/27

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

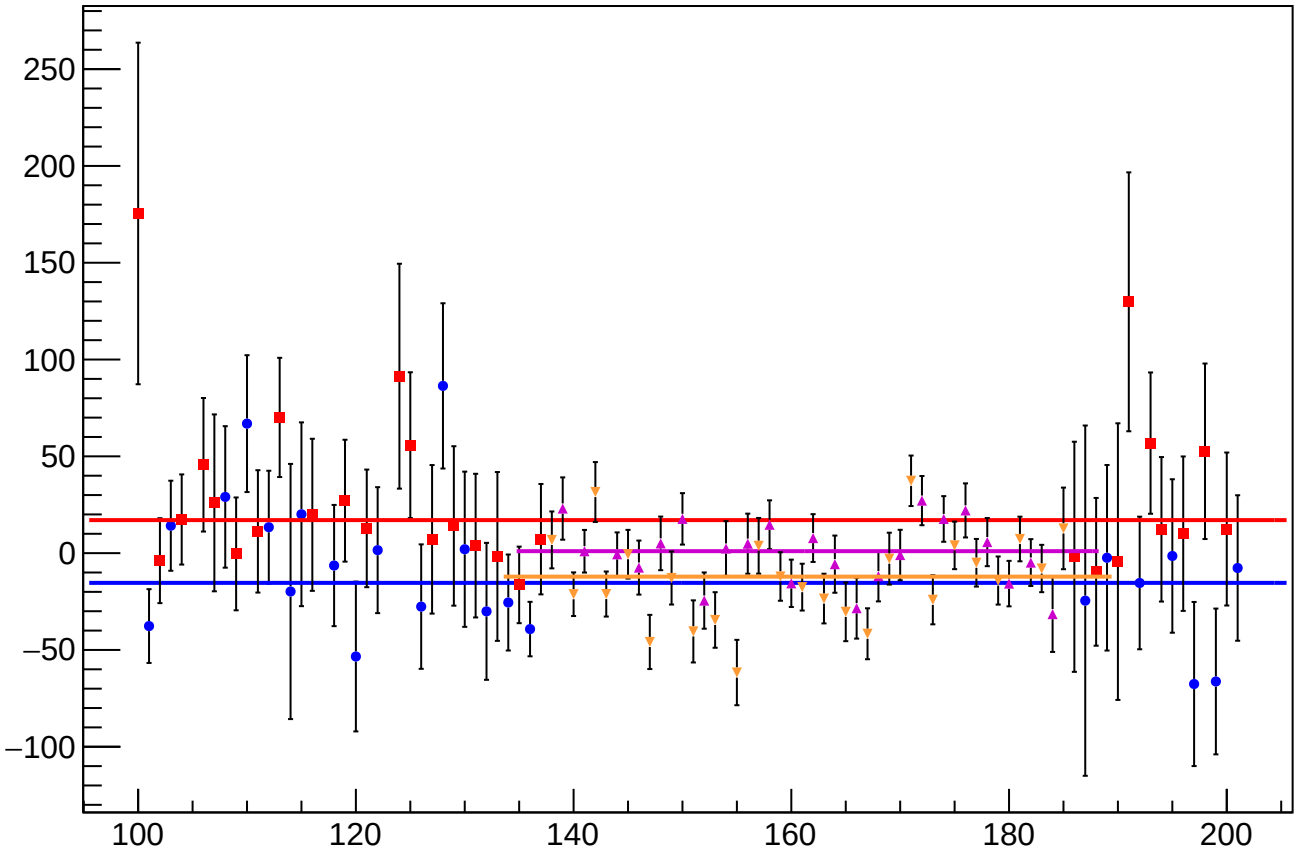
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

Right: 1657.186+/-0.240 χ^2/NDF: 4078611.1/50

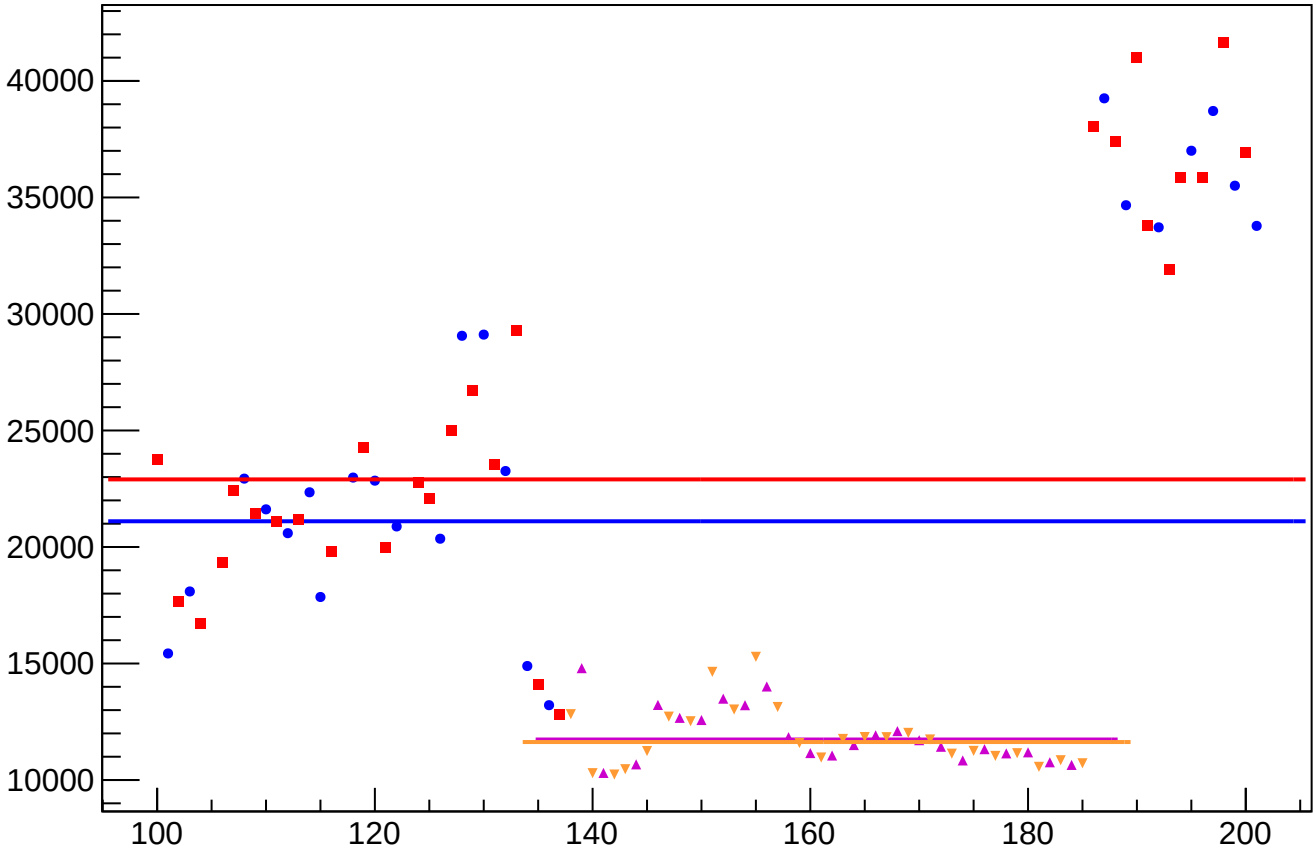
In: 1916.593+/-0.254 χ^2/NDF:3989602.6/45

Out: 1879.545+/-0.241 χ^2/NDF:4711899.2/52

All: 1897.116+/-0.175 χ^2/NDF: 8712697.8/98


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -15.350+/-6.419 χ²/NDF: 25.6/22
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 17.061+/-6.555 χ²/NDF: 19.8/27
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 0.515+/-4.586 χ²/NDF: 57.8/50
In: -1.527+/-2.534 χ²/NDF:59.8/45
Out: -8.004+/-2.466 χ²/NDF:99.5/52
All: -4.854+/-1.767 χ²/NDF: 162.7/98

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 21103.984+/-4.539 χ^2/NDF: 2850704.0/22

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22901.167+/-4.635 χ^2/NDF: 2809525.9/27

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

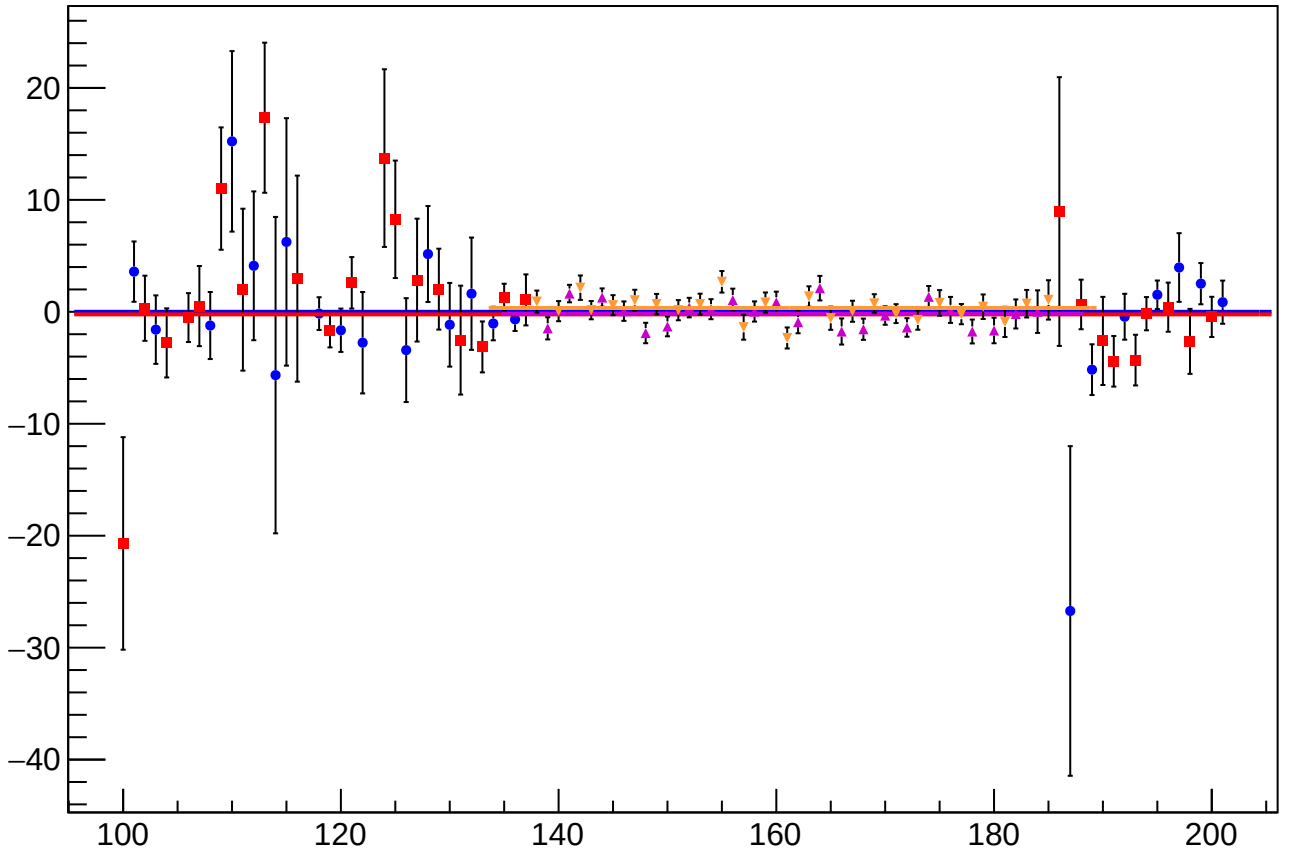
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 21983.705+/-3.243 χ^2/NDF: 5736981.3/50

In: 13197.665+/-1.792 χ^2/NDF:6758917.7/45

Out: 13224.974+/-1.743 χ^2/NDF:8242129.8/52

All: 13211.691+/-1.249 χ^2/NDF: 15001166.8



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: -0.227+/-0.485 χ^2/NDF: 37.8/27

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

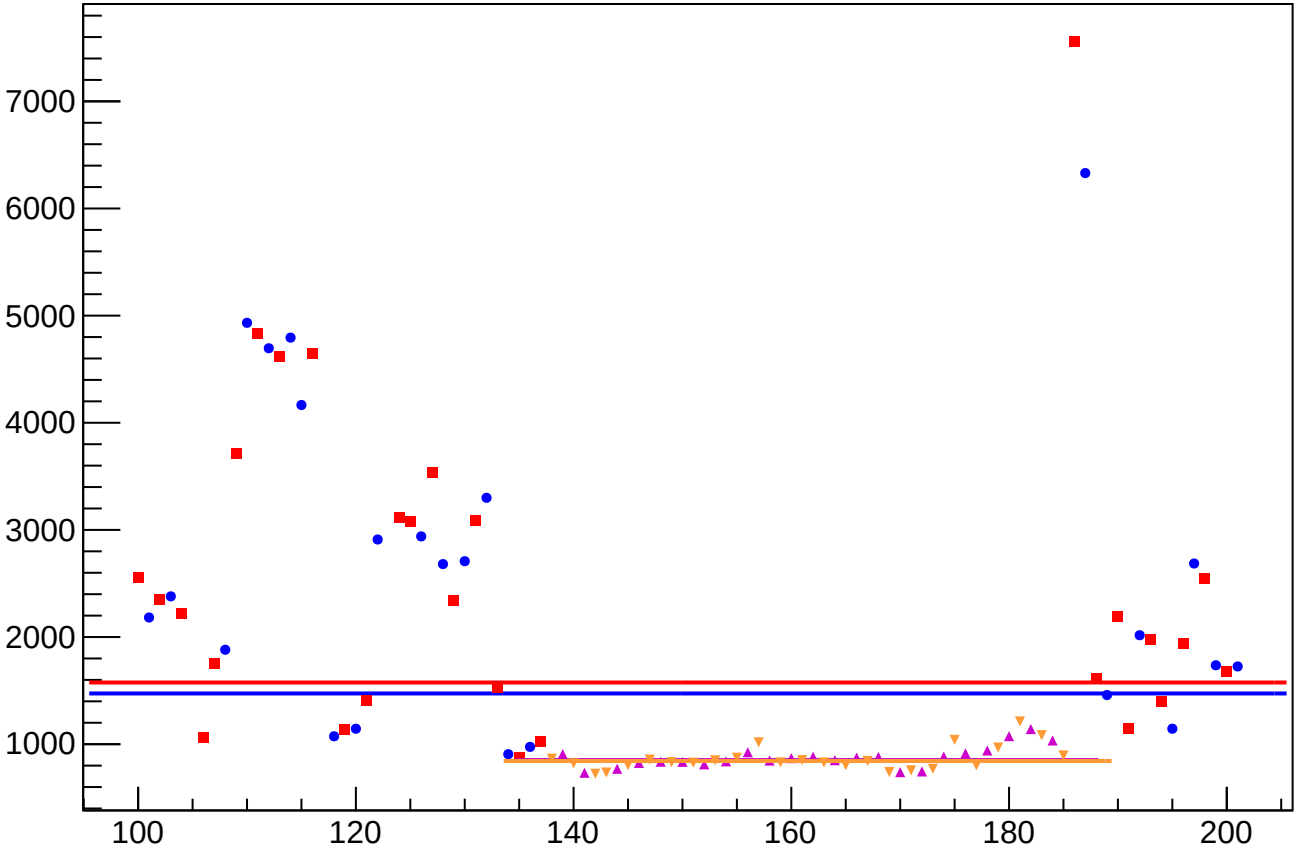
Right: -0.110+/-0.338 χ^2/NDF: 62.5/50

In: -0.140+/-0.185 χ^2/NDF:61.0/45

Out: 0.264+/-0.180 χ^2/NDF:65.8/52

All: 0.068+/-0.129 χ^2/NDF: 129.2/98

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: 1575.813+/-0.343 χ^2/NDF: 4437612.9/27

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

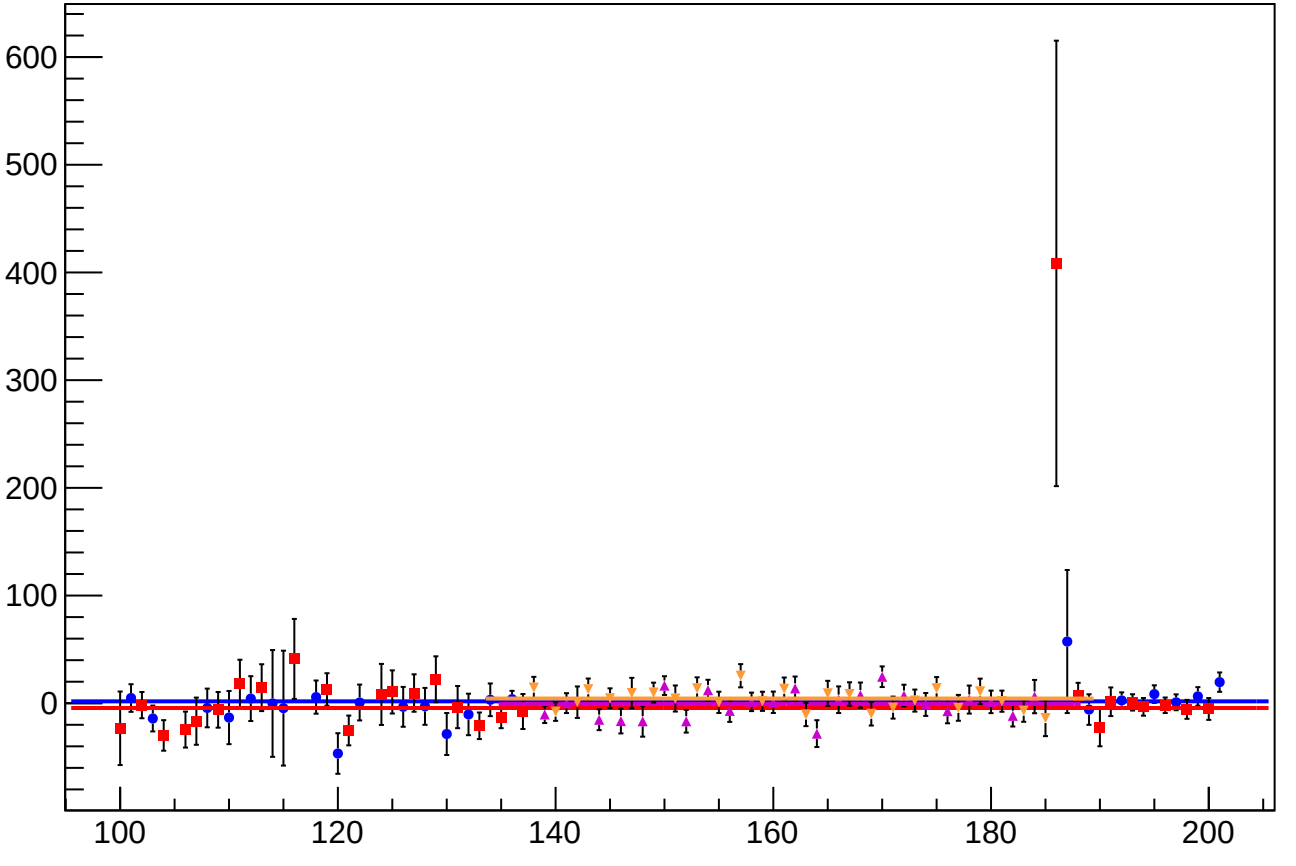
Right: 1523.108+/-0.239 χ^2/NDF: 8779080.3/50

In: 947.161+/-0.131 χ^2/NDF:7622838.7/45

Out: 943.969+/-0.127 χ^2/NDF:8872652.0/52

All: 945.522+/-0.091 χ^2/NDF: 16495797.1/98

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: -4.397+/-2.507 χ^2/NDF: 24.6/27

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

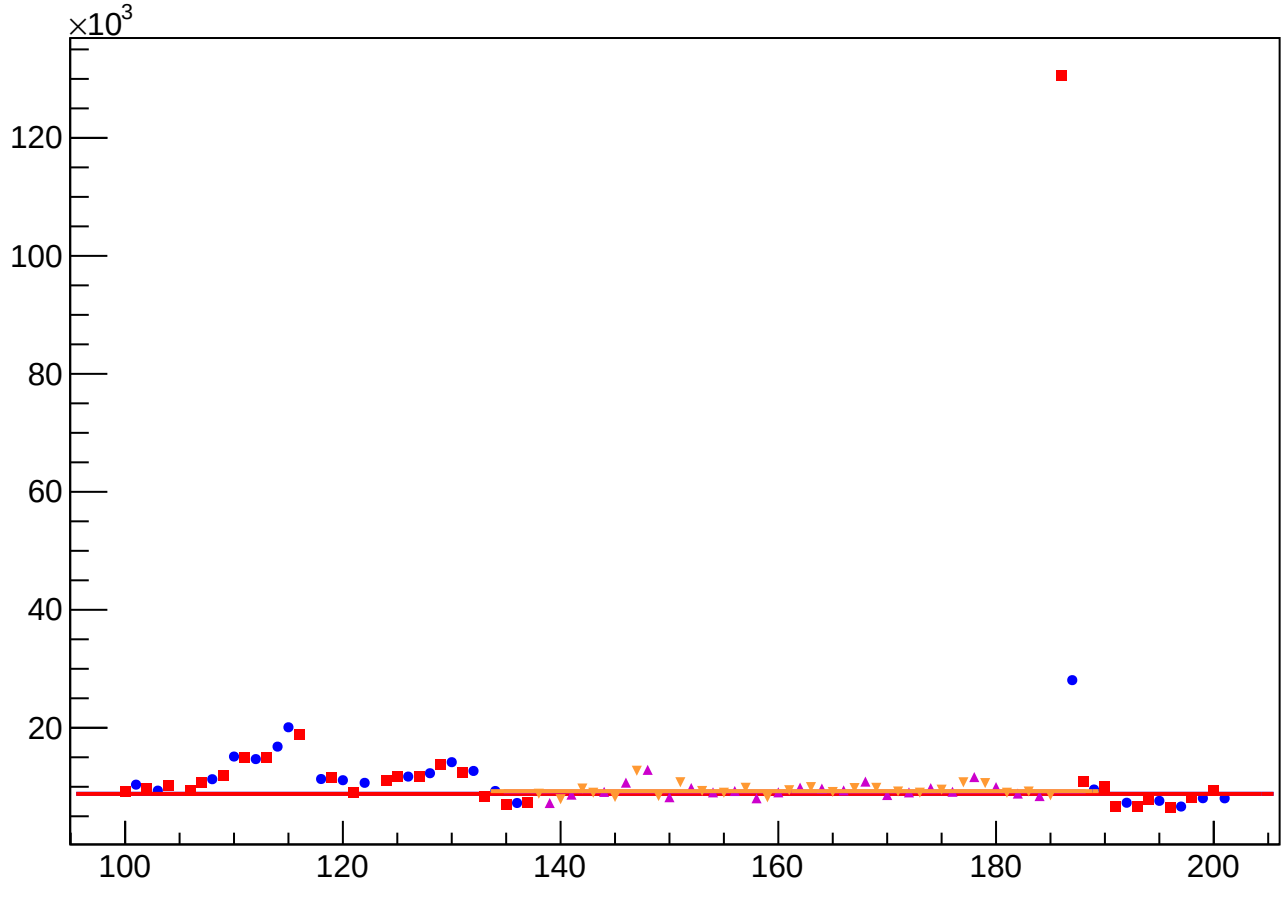
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.436+/-1.808 χ^2/NDF: 45.4/50

In: 0.291+/-1.669 χ^2/NDF:50.5/45

Out: 0.719+/-1.619 χ^2/NDF:50.3/52

All: 0.511+/-1.162 χ^2/NDF: 100.9/98



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: 8795.368+/-1.773 χ^2/NDF: 2268483.0/27

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

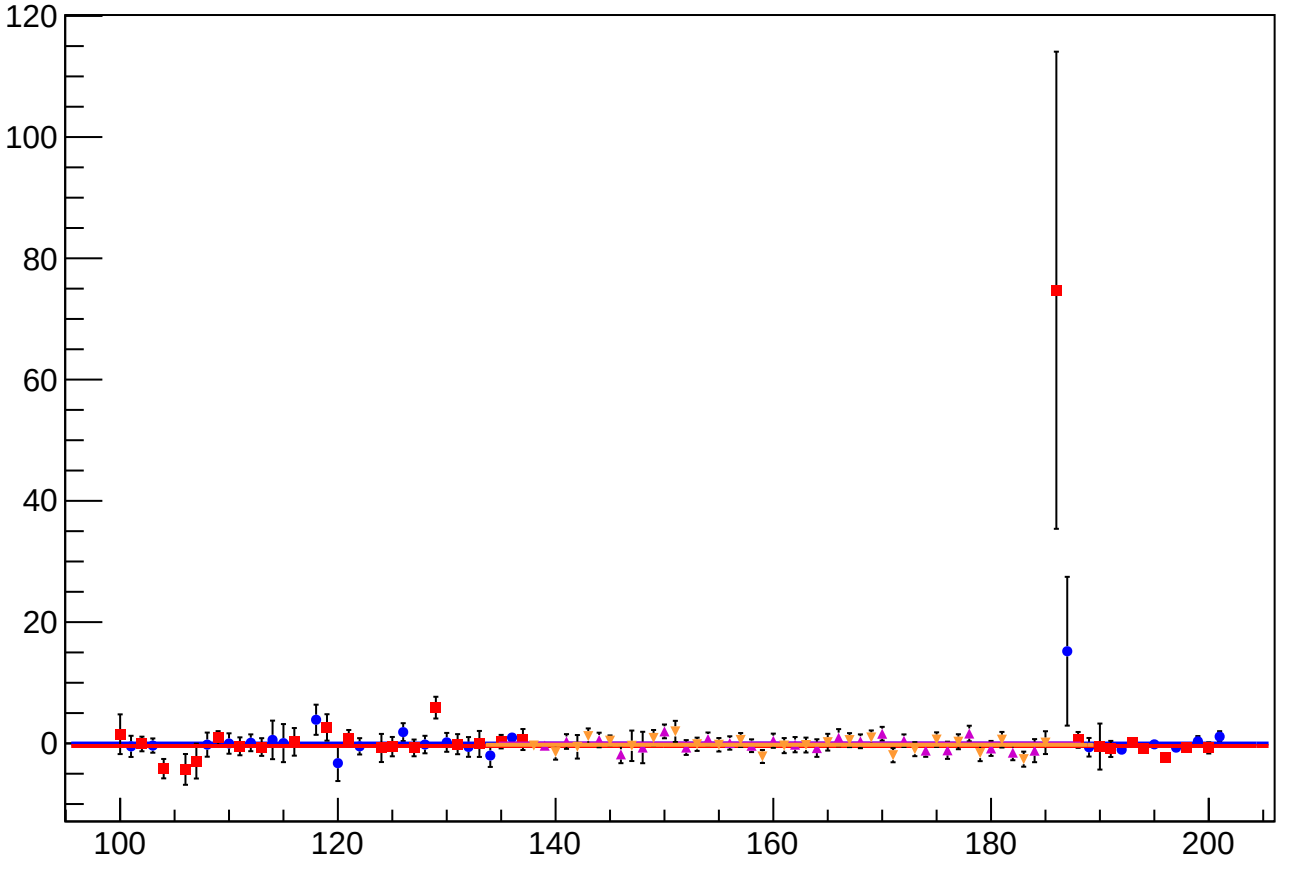
Right: 8802.291+/-1.278 χ^2/NDF: 3828685.8/50

In: 9040.196+/-1.180 χ^2/NDF:2102030.6/45

Out: 9066.987+/-1.145 χ^2/NDF:2674852.9/52

All: 9053.994+/-0.822 χ^2/NDF: 4777148.9/98

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: -0.427+/-0.251 χ^2/NDF: 37.8/27

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

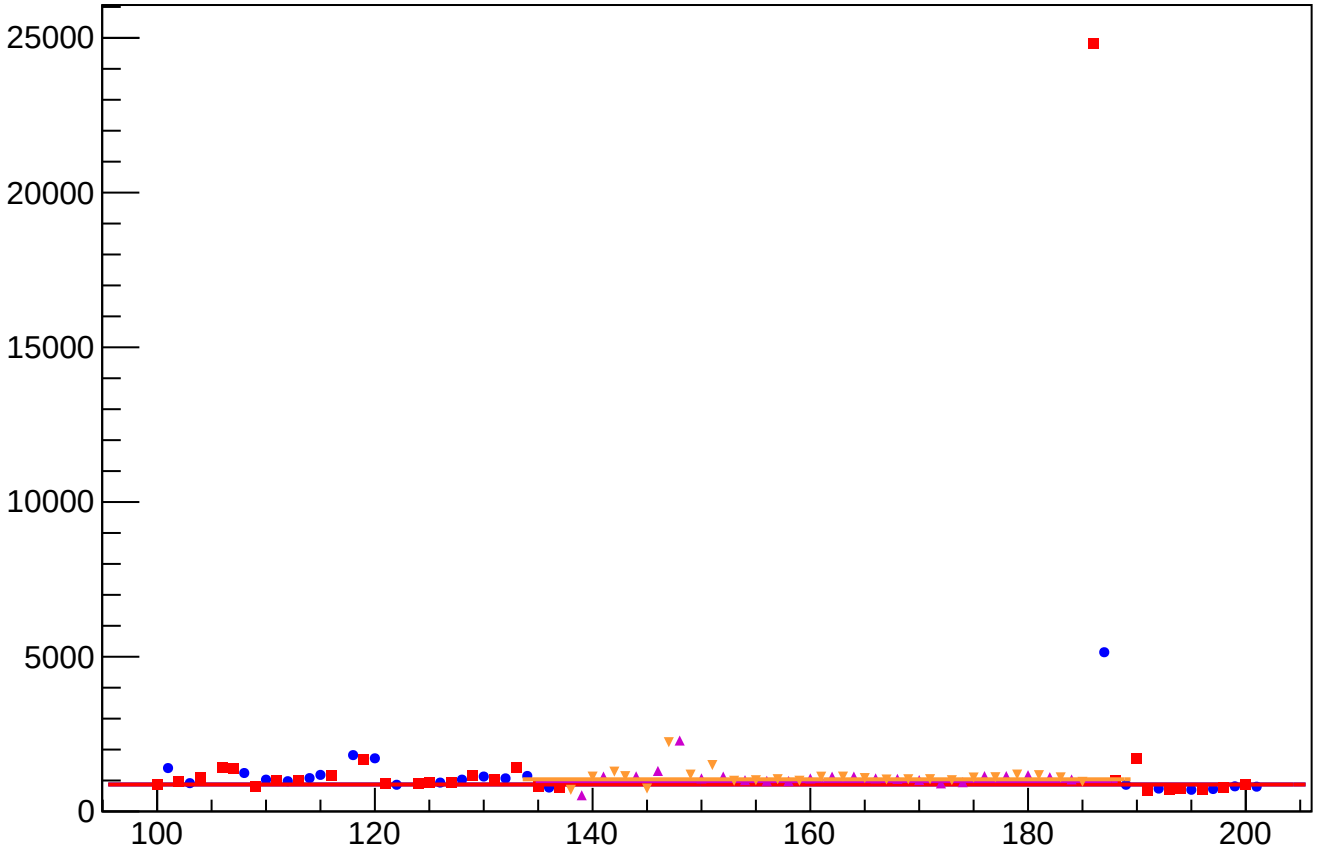
Right: -0.233+/-0.180 χ^2/NDF: 53.5/50

In: -0.025+/-0.176 χ^2/NDF:29.7/45

Out: -0.325+/-0.175 χ^2/NDF:57.1/52

All: -0.176+/-0.124 χ^2/NDF: 88.3/98

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: 870.799+/-0.177 χ^2/NDF: 1936440.8/27

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 871.686+/-0.128 χ^2/NDF: 3385889.1/50

In: 931.669+/-0.124 χ^2/NDF:3865251.7/45

Out: 957.642+/-0.124 χ^2/NDF:3741700.5/52

All: 944.748+/-0.088 χ^2/NDF: 7628903.6/98

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: 125.392+/-0.000 χ^2/NDF: 774180750882655.4/27

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

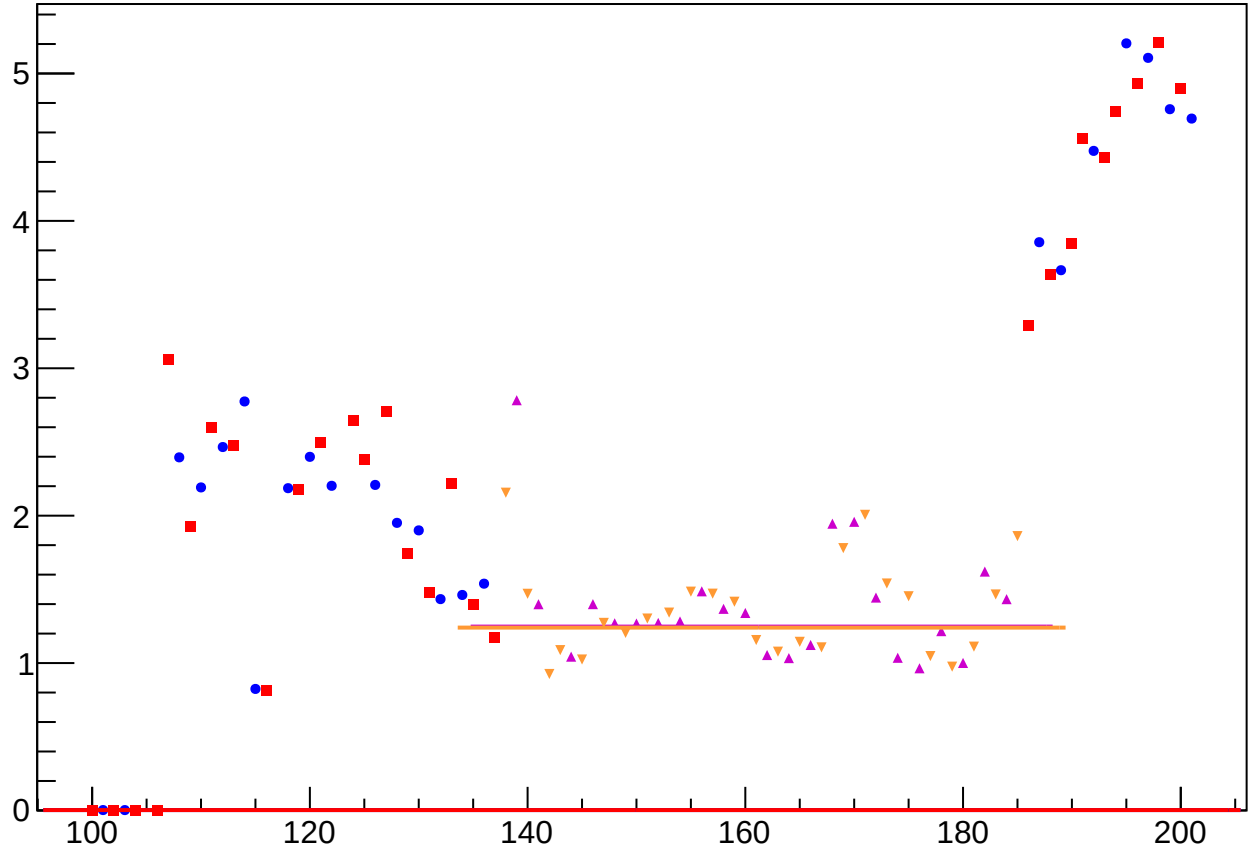
Right: 131.818+/-0.000 χ^2/NDF: 793019425754175

In: 139.328+/-0.000 χ^2/NDF:308221535939.3/45

Out: 125.384+/-0.000 χ^2/NDF:774411439356131.

All: 131.810+/-0.000 χ^2/NDF: 79350183901

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: 21783777.0/27

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

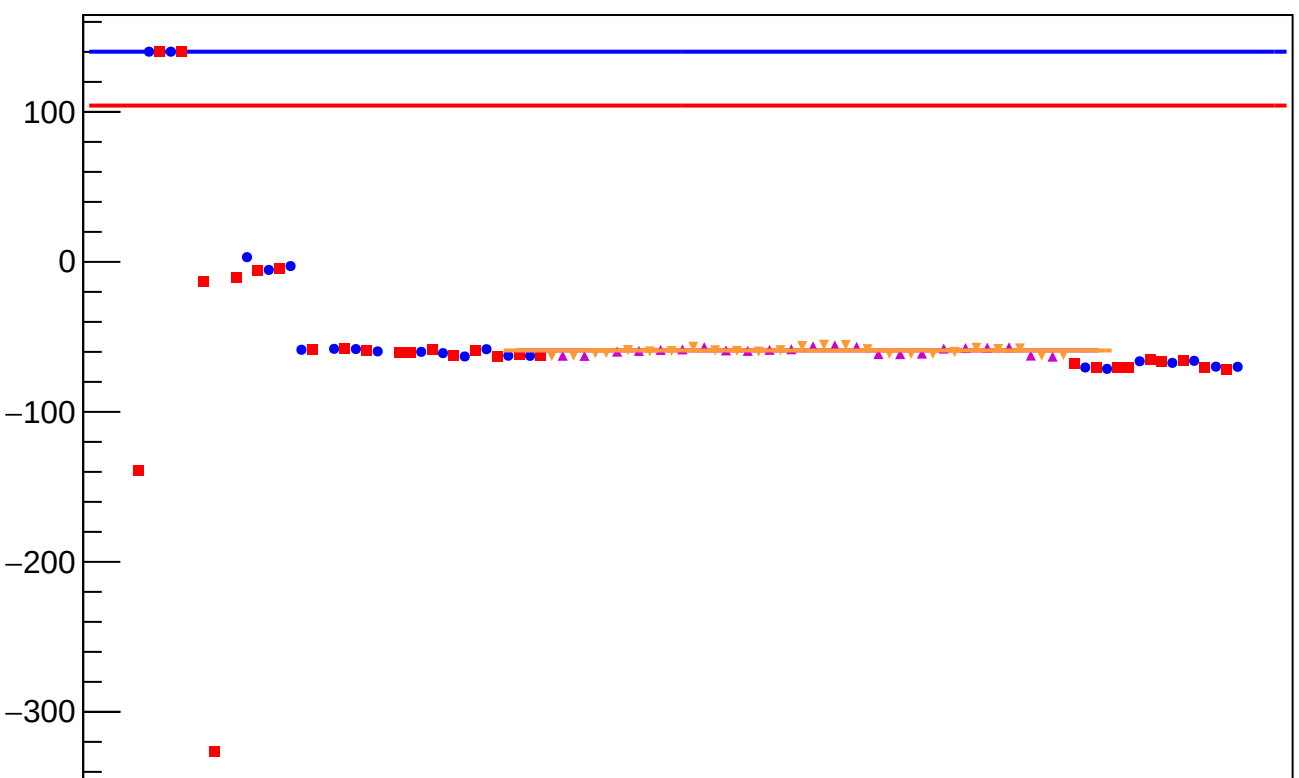
Right: 0.003+/-0.000 χ^2/NDF: 41286181.9/50

In: 0.003+/-0.000 χ^2/NDF:49267719.9/45

Out: 0.003+/-0.000 χ^2/NDF:53083852.5/52

All: 0.003+/-0.000 χ^2/NDF: 102351820.7/98

yield_cav4bY_mean vs Slug, Sign Corrected



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: 104.221+/-0.000 χ^2/NDF: 1257534501147965.8/27

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

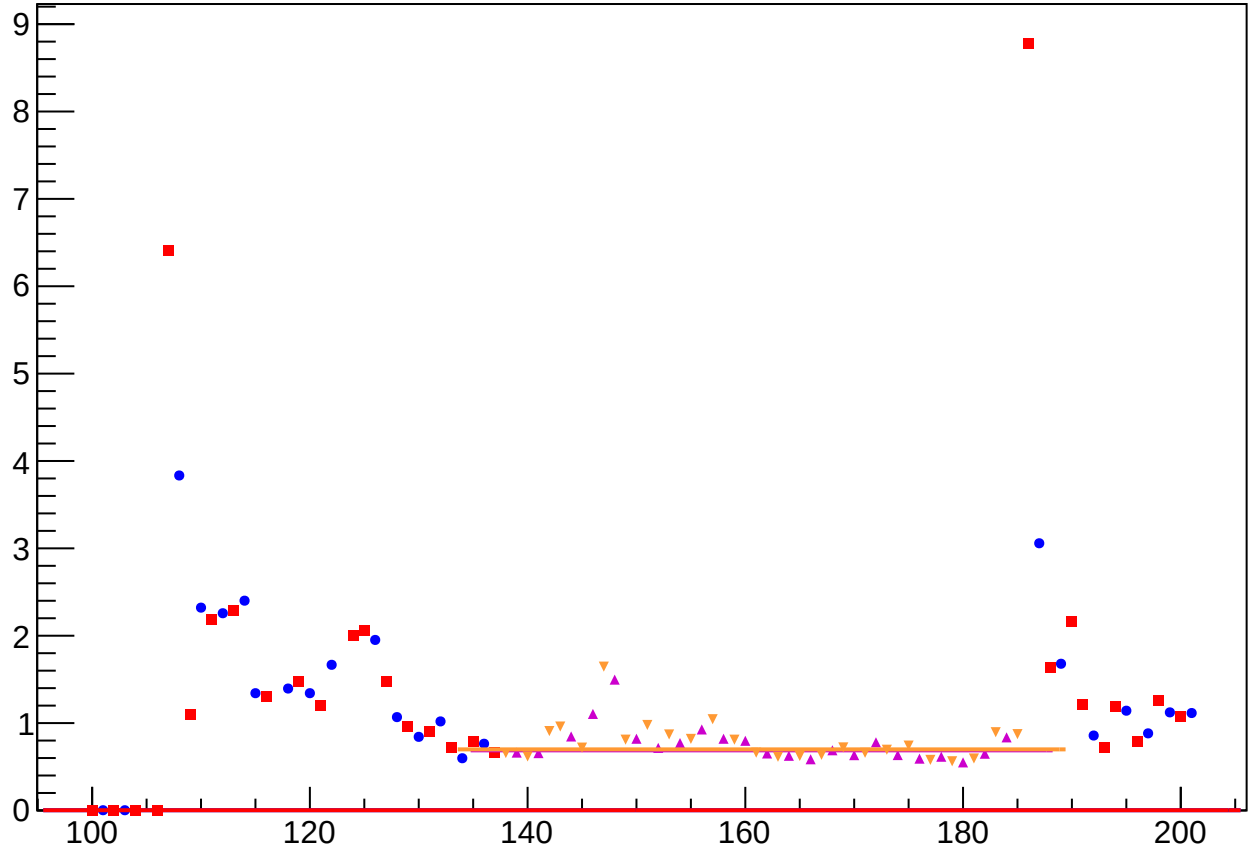
Right: 120.828+/-0.000 χ^2/NDF: 138118222319916

In: 140.103+/-0.000 χ^2/NDF:1617379478699.4/45

Out: 104.195+/-0.000 χ^2/NDF:125840611713216

All: 120.797+/-0.000 χ^2/NDF: 13832803208

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: 20782192.3/27

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

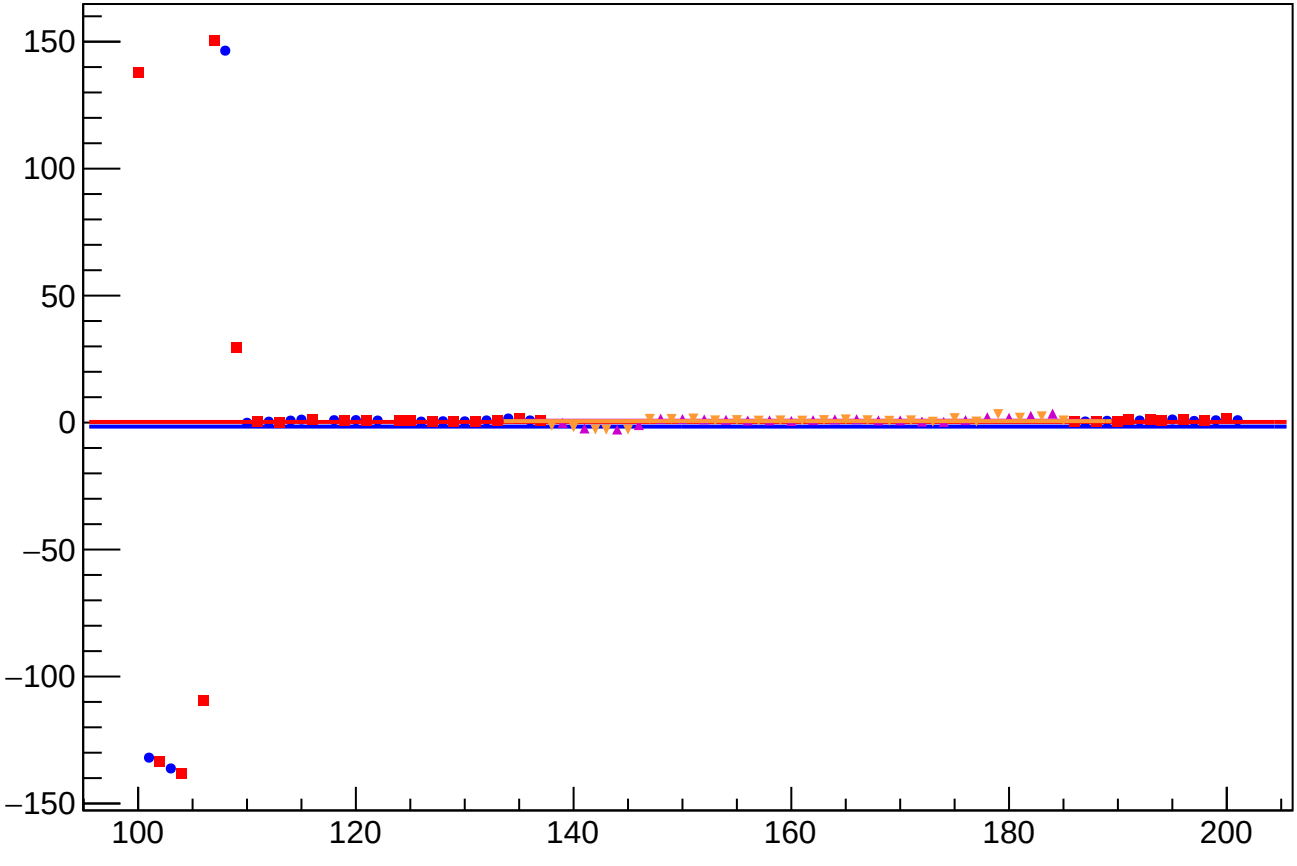
Right: 0.003+/-0.000 χ^2/NDF: 39342596.2/50

In: 0.003+/-0.000 χ^2/NDF:49865289.7/45

Out: 0.003+/-0.000 χ^2/NDF:53838389.5/52

All: 0.003+/-0.000 χ^2/NDF: 103704076.4/98

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: 0.256+/-0.000 χ^2/NDF: 3612445137.8/27

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

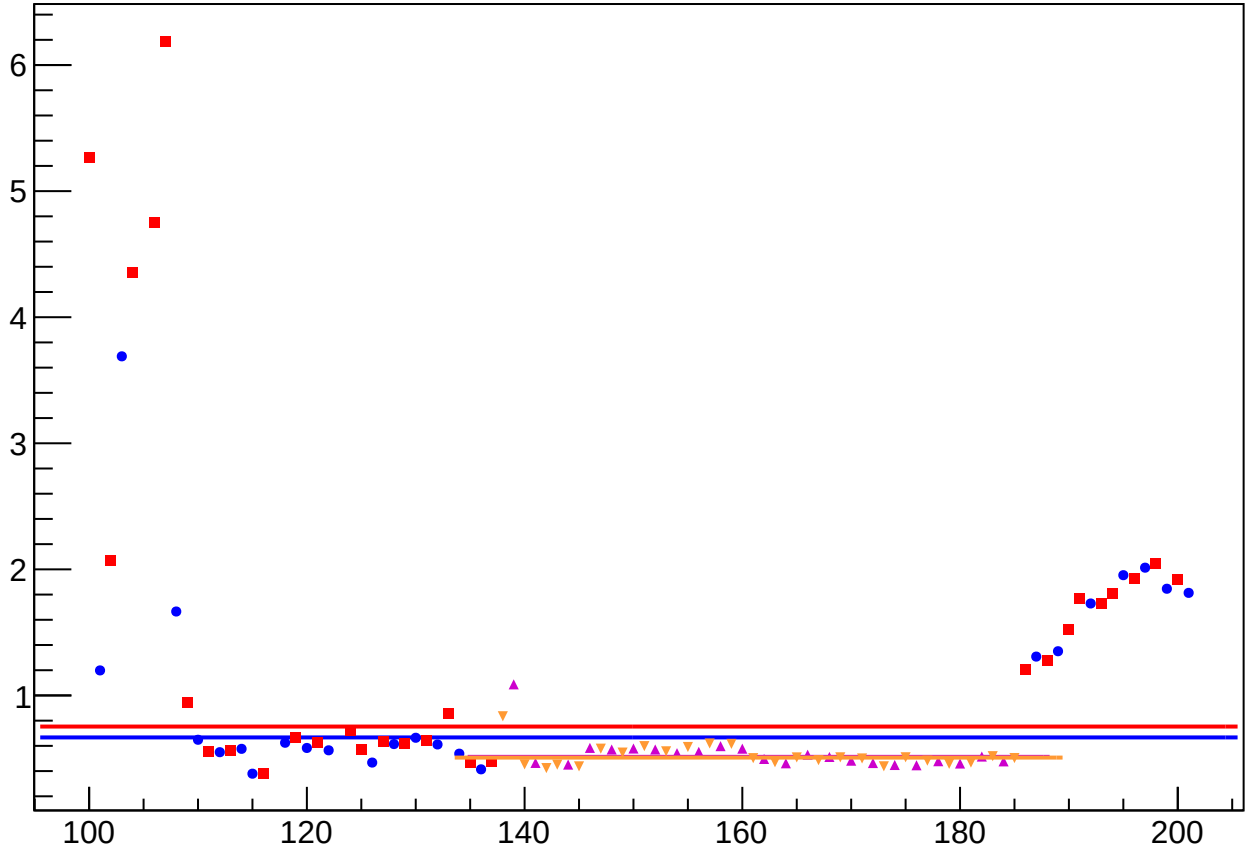
Right: -0.719+/-0.000 χ^2/NDF: 13537905877.6/50

In: 0.177+/-0.000 χ^2/NDF:10074540557.7/45

Out: 0.510+/-0.000 χ^2/NDF:3768069544.0/52

All: 0.346+/-0.000 χ^2/NDF: 13846771113.9/9

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: 0.753+/-0.000 χ^2/NDF: 6775766.7/27

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

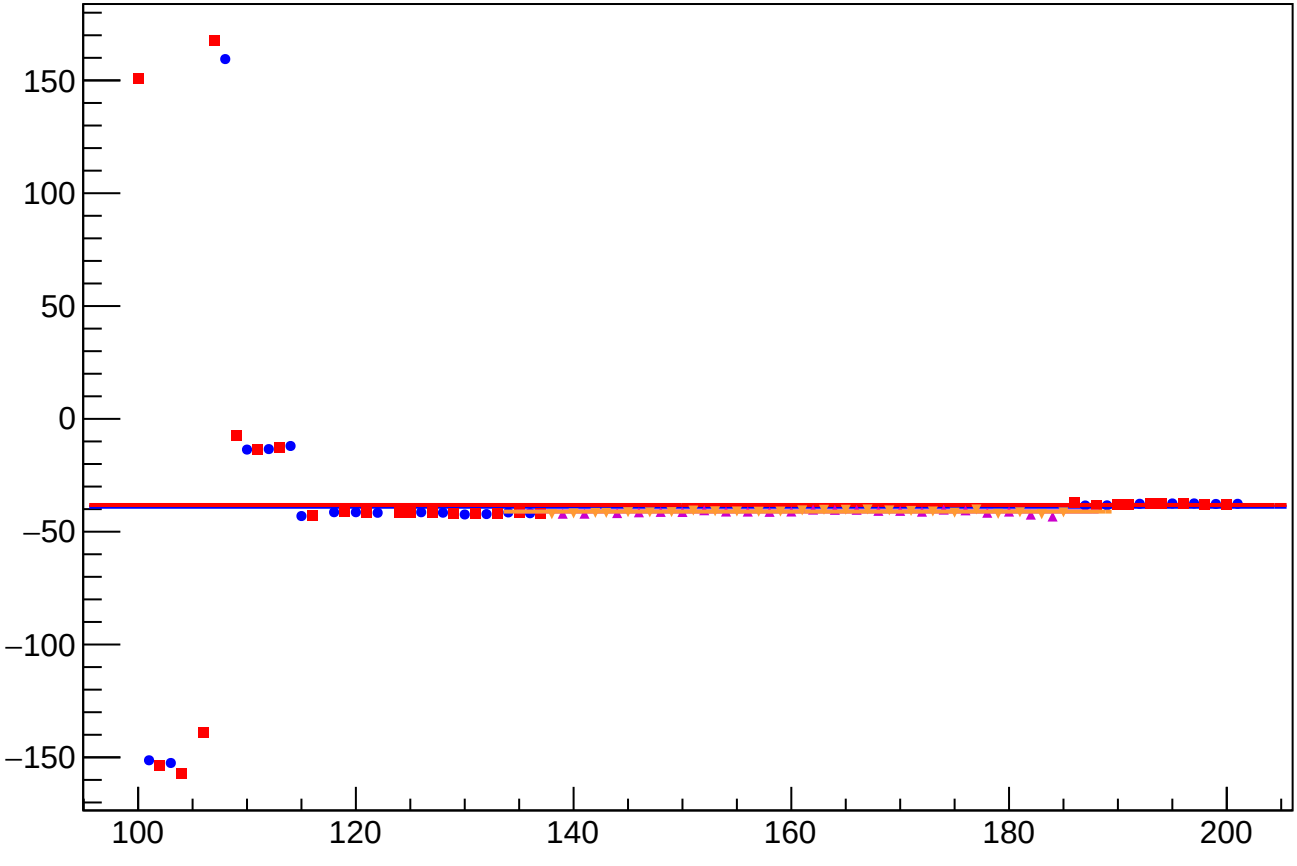
Right: 0.707+/-0.000 χ^2/NDF: 12744419.0/50

In: 0.550+/-0.000 χ^2/NDF:7239035.5/45

Out: 0.557+/-0.000 χ^2/NDF:8835545.9/52

All: 0.554+/-0.000 χ^2/NDF: 16078667.4/98

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: -38.157+/-0.000 χ^2/NDF: 2507677101.7/27

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

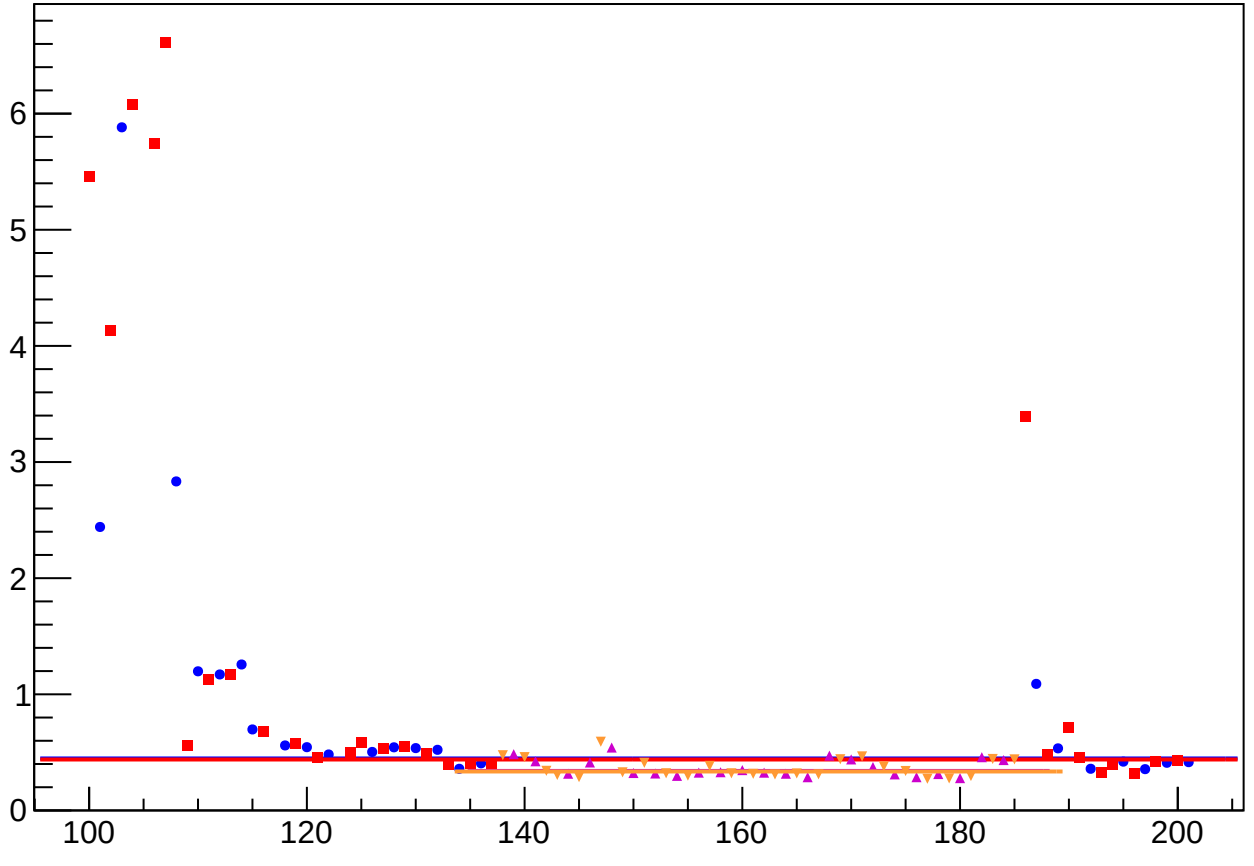
Right: -38.530+/-0.000 χ^2/NDF: 6100381274.9/50

In: -40.518+/-0.000 χ^2/NDF:3783356422.4/45

Out: -40.359+/-0.000 χ^2/NDF:2906578085.1/52

All: -40.435+/-0.000 χ^2/NDF: 6692468864.7/

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: 0.439+/-0.000 χ^2/NDF: 4607026.0/27

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

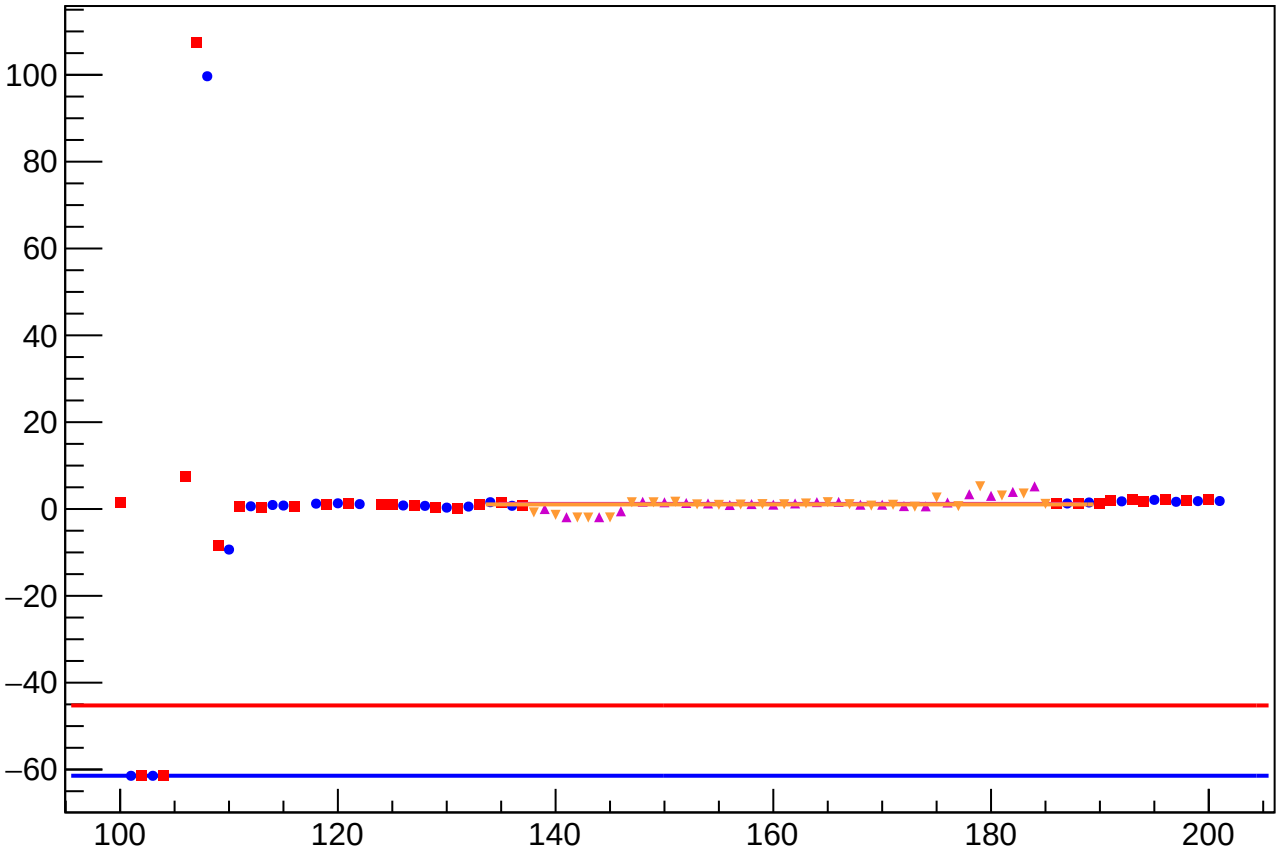
Right: 0.443+/-0.000 χ^2/NDF: 8153627.0/50

In: 0.367+/-0.000 χ^2/NDF:5428723.1/45

Out: 0.361+/-0.000 χ^2/NDF:6681415.5/52

All: 0.364+/-0.000 χ^2/NDF: 12115488.9/98

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: 357876746435497.2/27

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

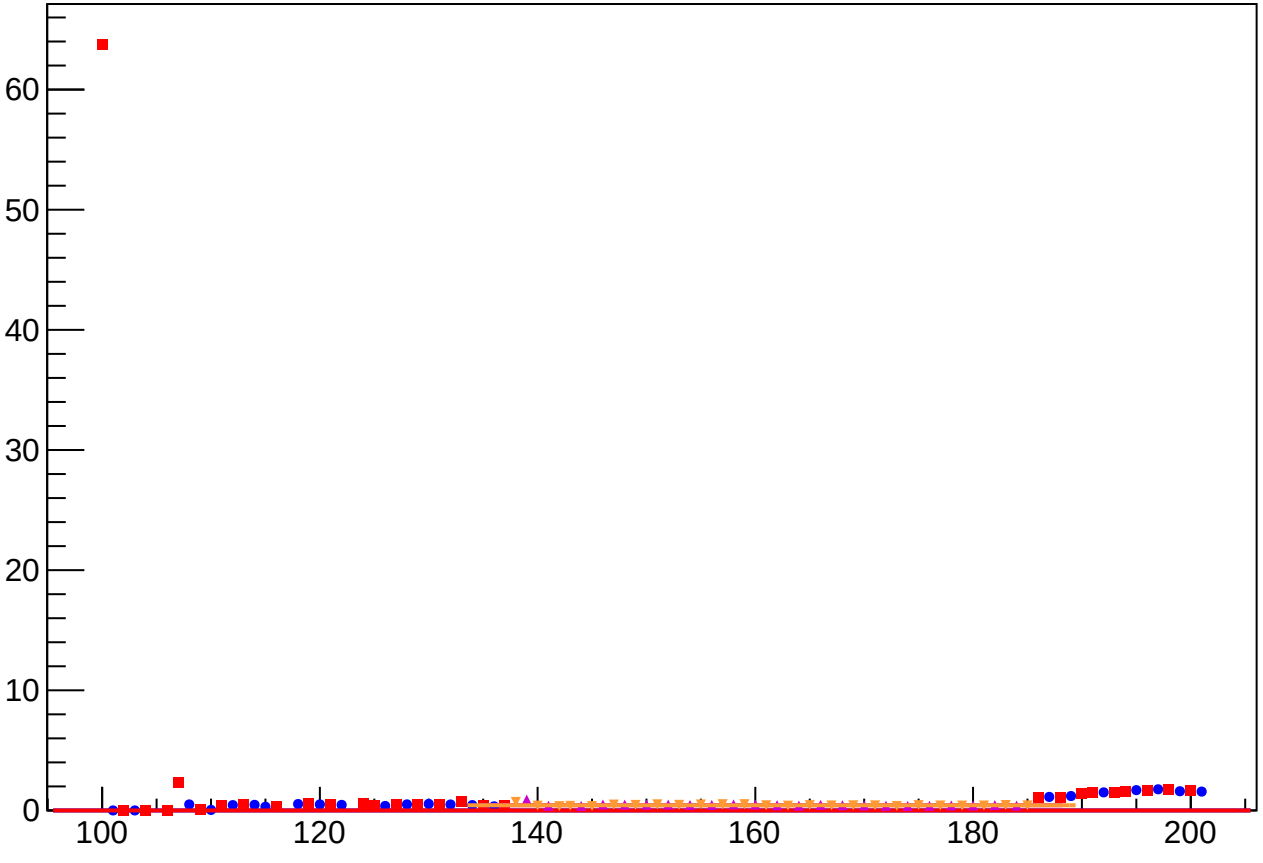
Right: -52.749+/-0.000 χ^2/NDF: 409136875696368

In: -61.422+/-0.000 χ^2/NDF:584859807393.0/45

Out: -45.235+/-0.000 χ^2/NDF:358058028226892.4

All: -52.738+/-0.000 χ^2/NDF: 409606286483

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: 21395216.2/27

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

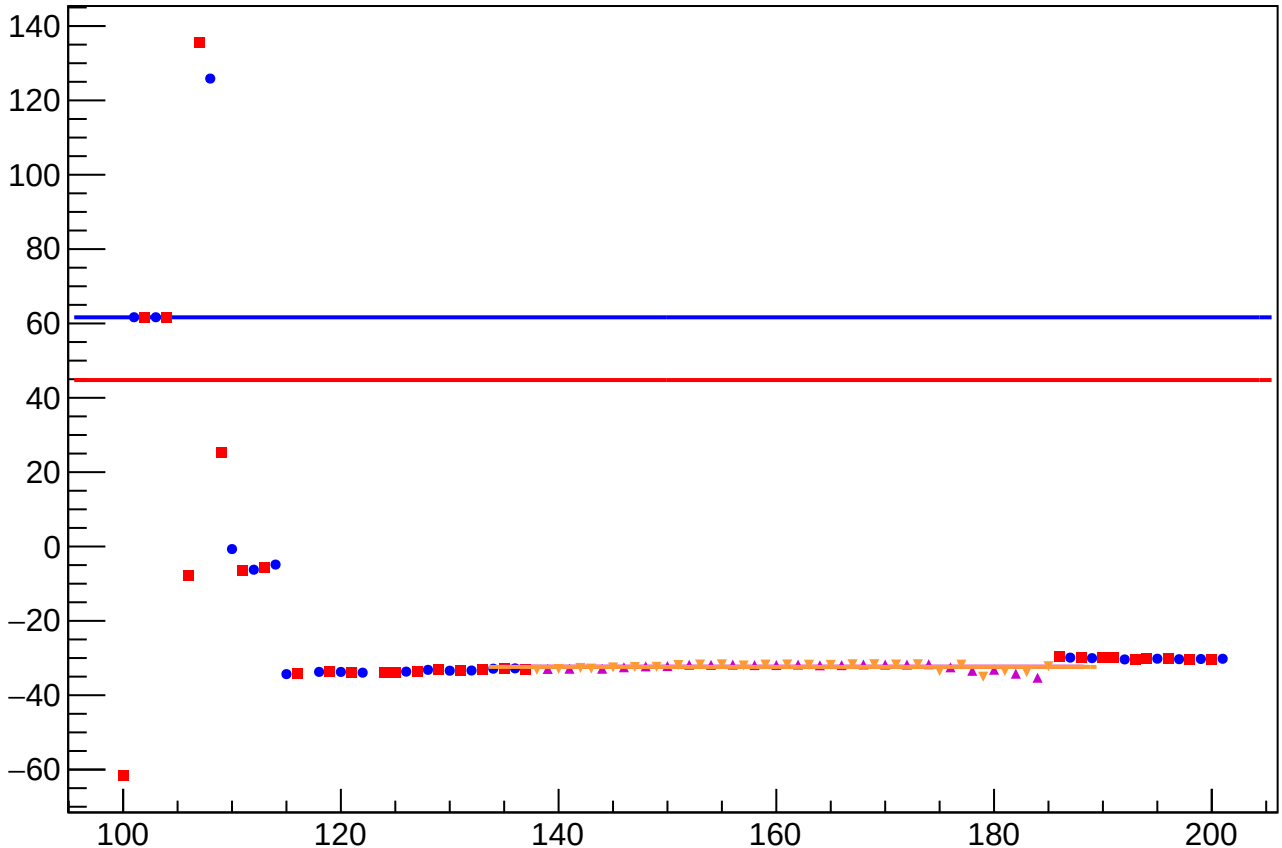
Right: 0.001+/-0.000 χ^2/NDF: 40459979.4/50

In: 0.002+/-0.000 χ^2/NDF:49205725.8/45

Out: 0.002+/-0.000 χ^2/NDF:53160887.3/52

All: 0.002+/-0.000 χ^2/NDF: 102366637.5/98

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: 44.776+/-0.000 χ^2/NDF: 366369672882990.9/27

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

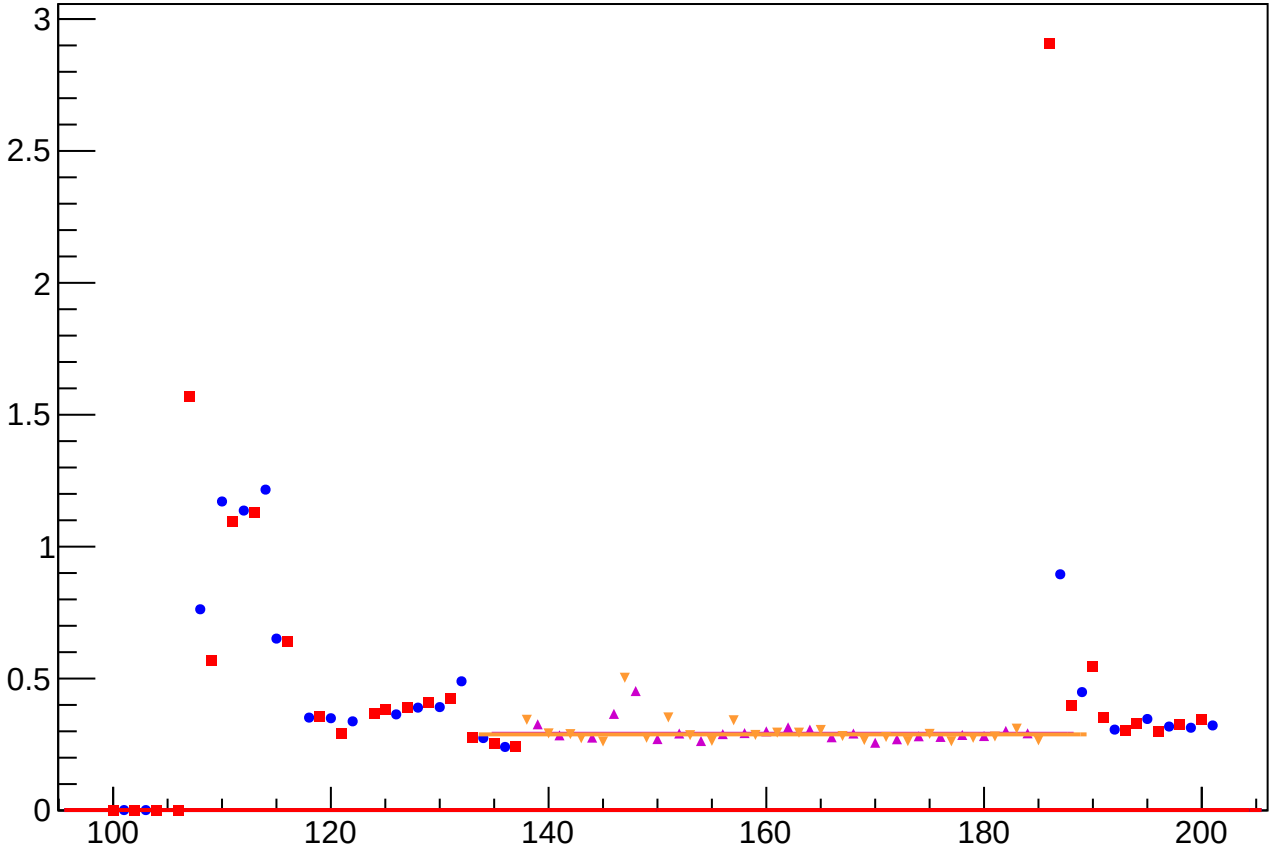
Right: 52.678+/-0.000 χ^2/NDF: 418204318122645.

In: 61.593+/-0.000 χ^2/NDF:2561725631675.2/45

Out: 44.731+/-0.000 χ^2/NDF:367687940697424.1

All: 52.627+/-0.000 χ^2/NDF: 421298255609

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: 22374023.5/27

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

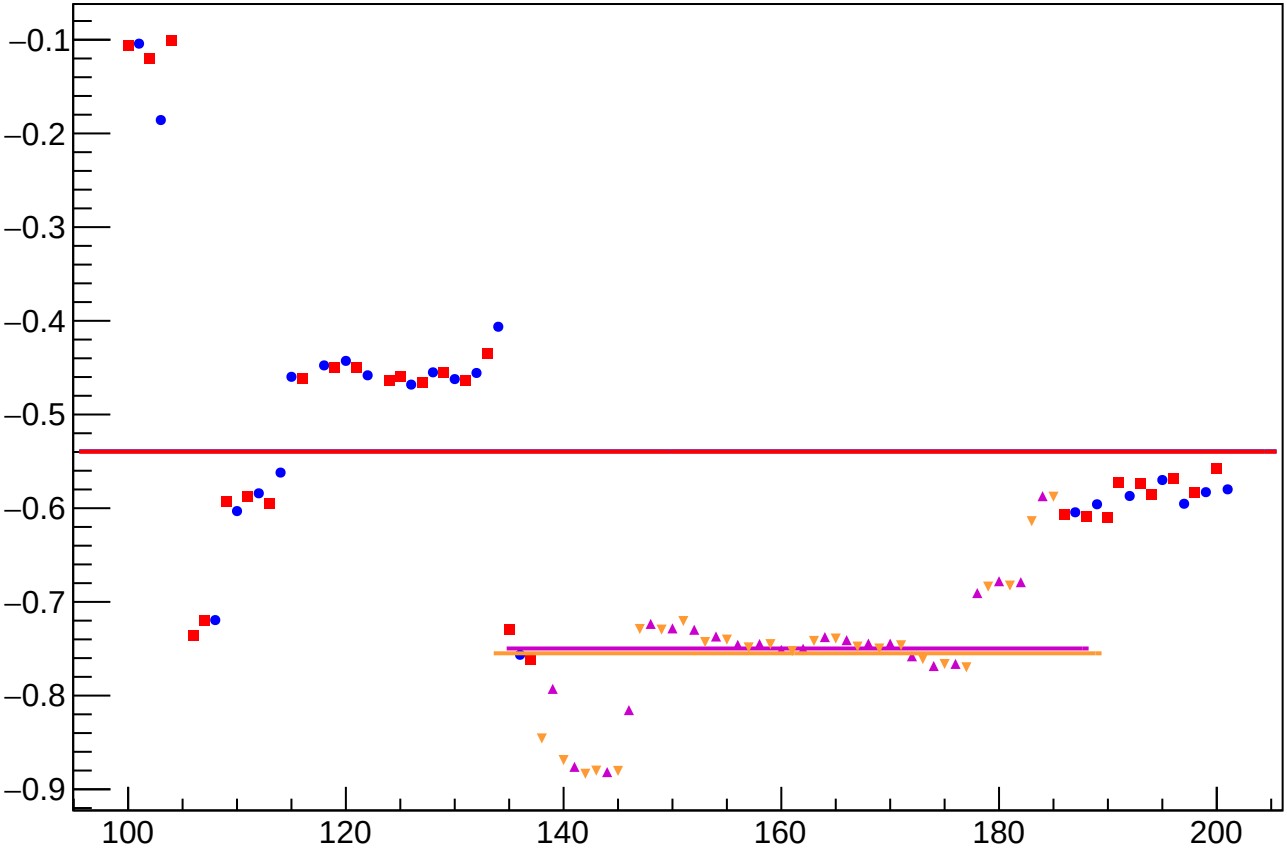
Right: 0.002+/-0.000 χ^2/NDF: 43050614.7/50

In: 0.002+/-0.000 χ^2/NDF:55576689.9/45

Out: 0.002+/-0.000 χ^2/NDF:59324547.9/52

All: 0.002+/-0.000 χ^2/NDF: 114901261.4/98

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: 218874639.3/27

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

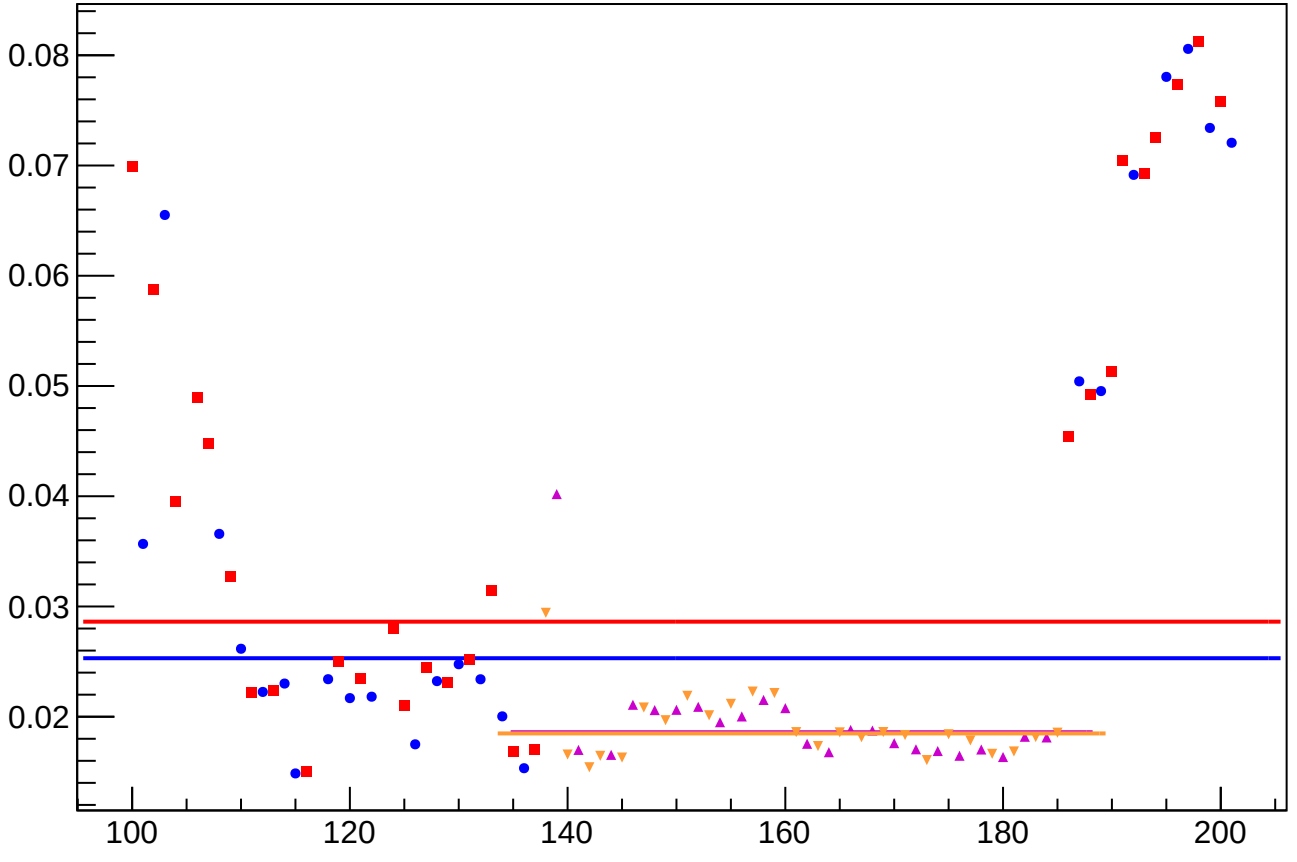
Right: -0.539+/-0.000 χ^2/NDF: 522413043.6/50

In: -0.701+/-0.000 χ^2/NDF:876642611.8/45

Out: -0.712+/-0.000 χ^2/NDF:855875623.6/52

All: -0.707+/-0.000 χ^2/NDF: 1735543838.4/9

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: 5696401.1/27

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

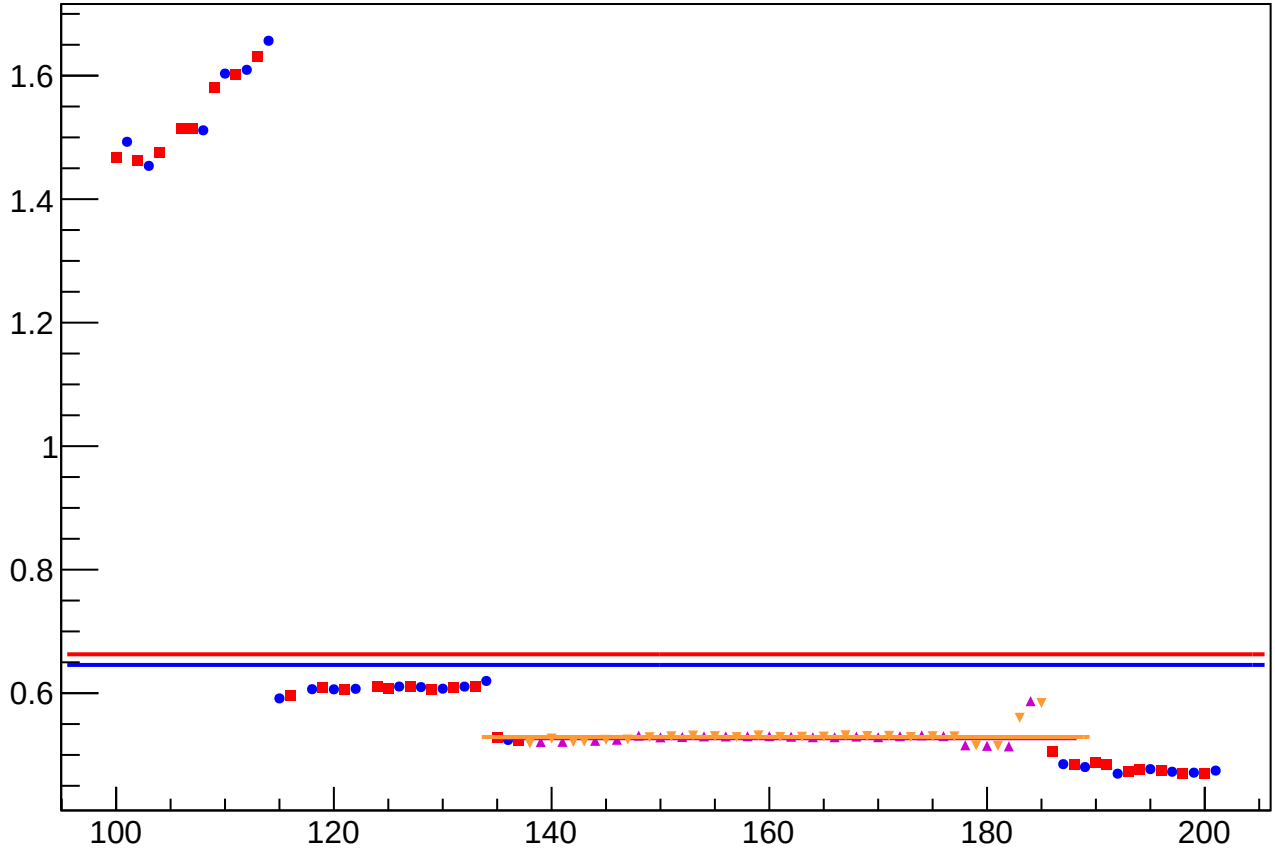
Right: 0.027+/-0.000 χ^2/NDF: 11379035.2/50

In: 0.020+/-0.000 χ^2/NDF:7169425.2/45

Out: 0.021+/-0.000 χ^2/NDF:8072431.4/52

All: 0.020+/-0.000 χ^2/NDF: 15249970.9/98

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: 0.663+/-0.000 χ^2/NDF: 6224582801.3/27

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

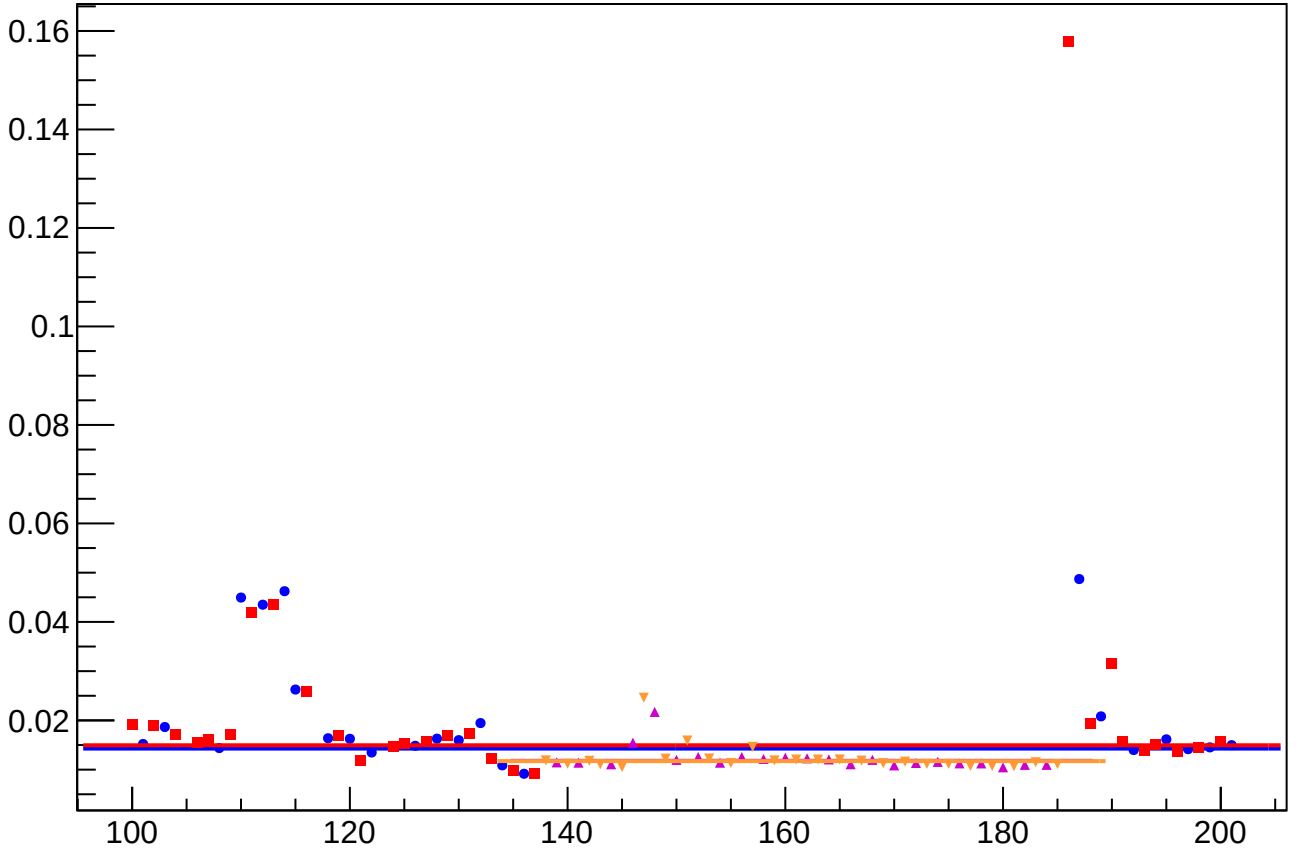
Right: 0.654+/-0.000 χ^2/NDF: 11553913986.7/50

In: 0.562+/-0.000 χ^2/NDF:5855293223.5/45

Out: 0.567+/-0.000 χ^2/NDF:6916936891.0/52

All: 0.564+/-0.000 χ^2/NDF: 12774434974.6/9

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: 2382071.3/27

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

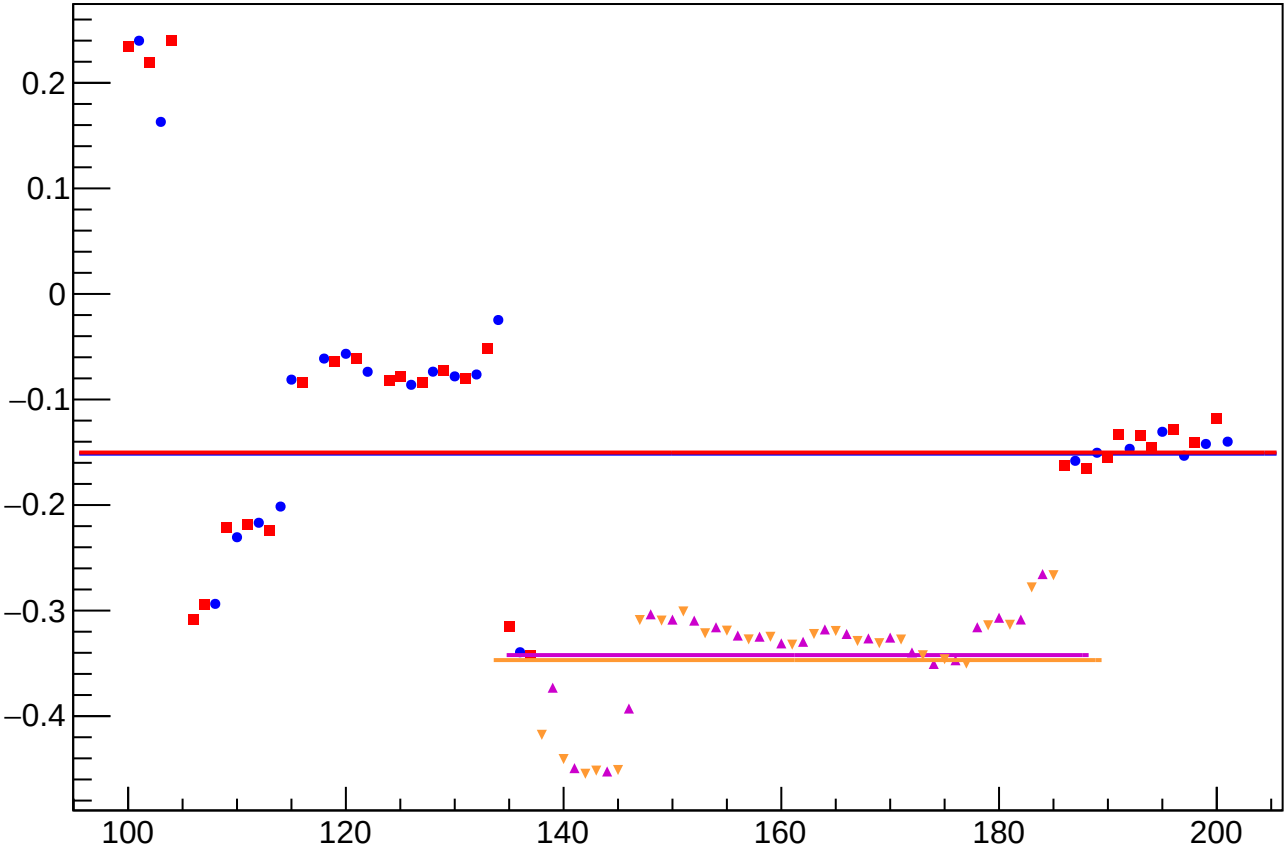
Right: 0.015+/-0.000 χ^2/NDF: 4368419.9/50

In: 0.013+/-0.000 χ^2/NDF:2939621.9/45

Out: 0.013+/-0.000 χ^2/NDF:3862034.8/52

All: 0.013+/-0.000 χ^2/NDF: 6804210.0/98

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: 199835717.5/27

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

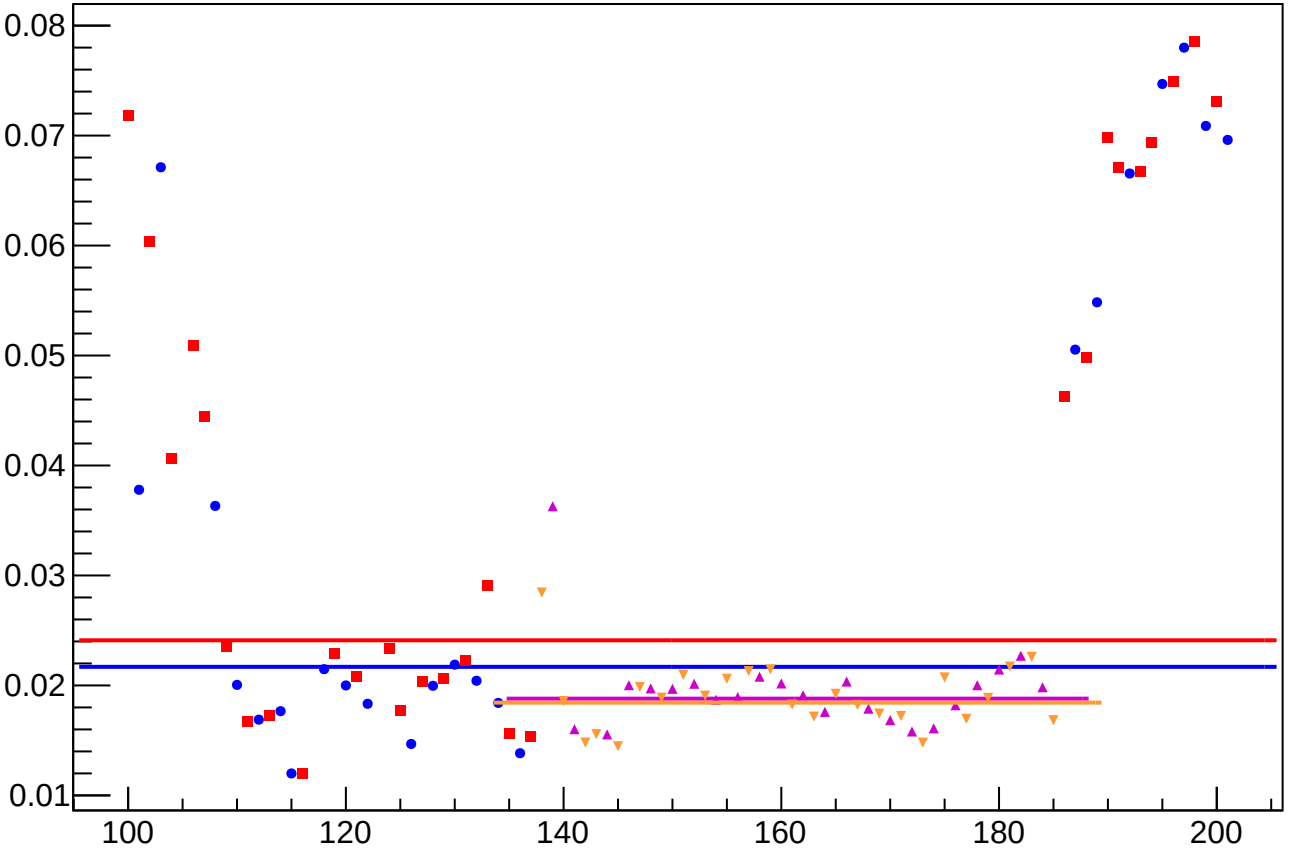
Right: -0.151+/-0.000 χ^2/NDF: 476747747.1/50

In: -0.289+/-0.000 χ^2/NDF:797618894.7/45

Out: -0.299+/-0.000 χ^2/NDF:768636793.3/52

All: -0.294+/-0.000 χ^2/NDF: 1569173472.6/9

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: 0.024+/-0.000 χ^2/NDF: 6882145.8/27

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

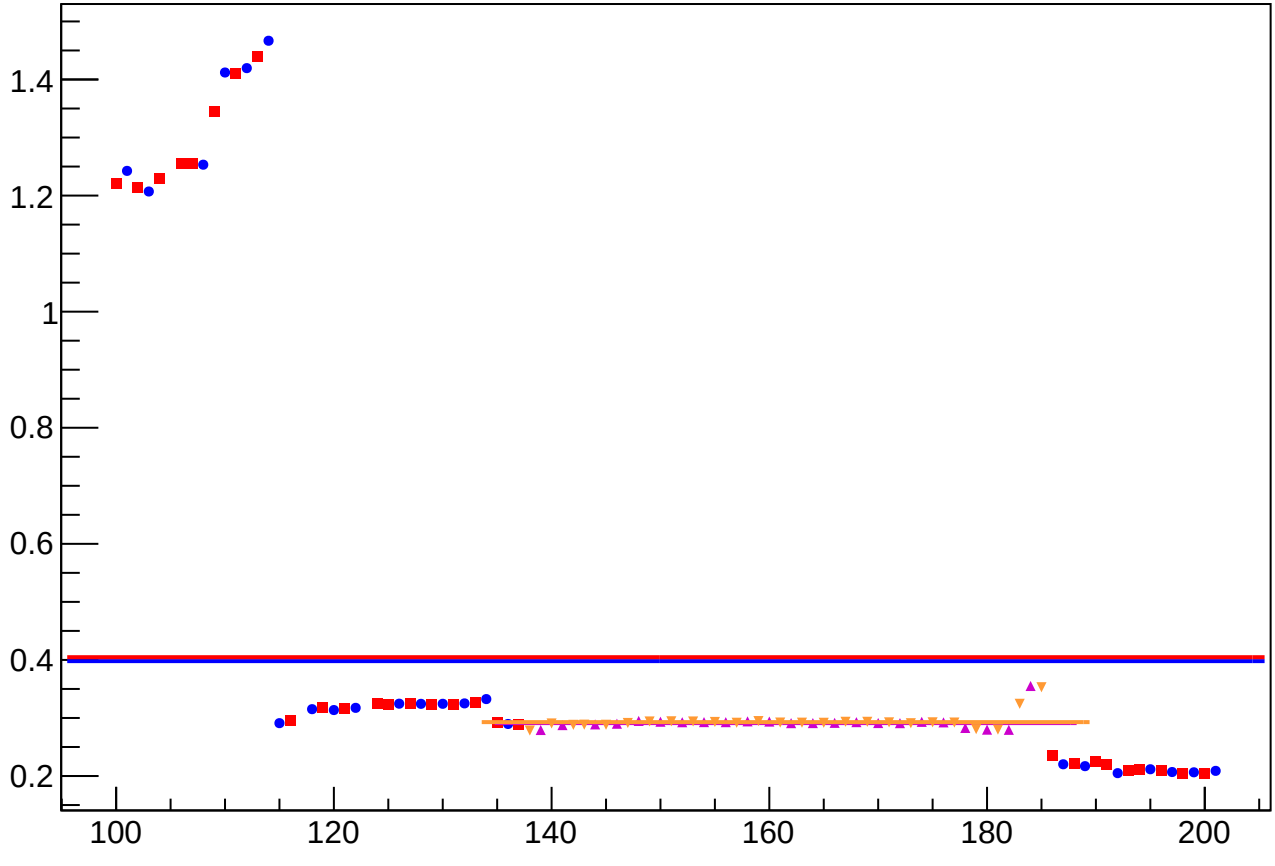
Right: 0.023+/-0.000 χ^2/NDF: 13309041.6/50

In: 0.020+/-0.000 χ^2/NDF:7252125.2/45

Out: 0.020+/-0.000 χ^2/NDF:8258273.9/52

All: 0.020+/-0.000 χ^2/NDF: 15513320.1/98

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: 0.405+/-0.000 χ^2/NDF: 8813368951.4/27

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

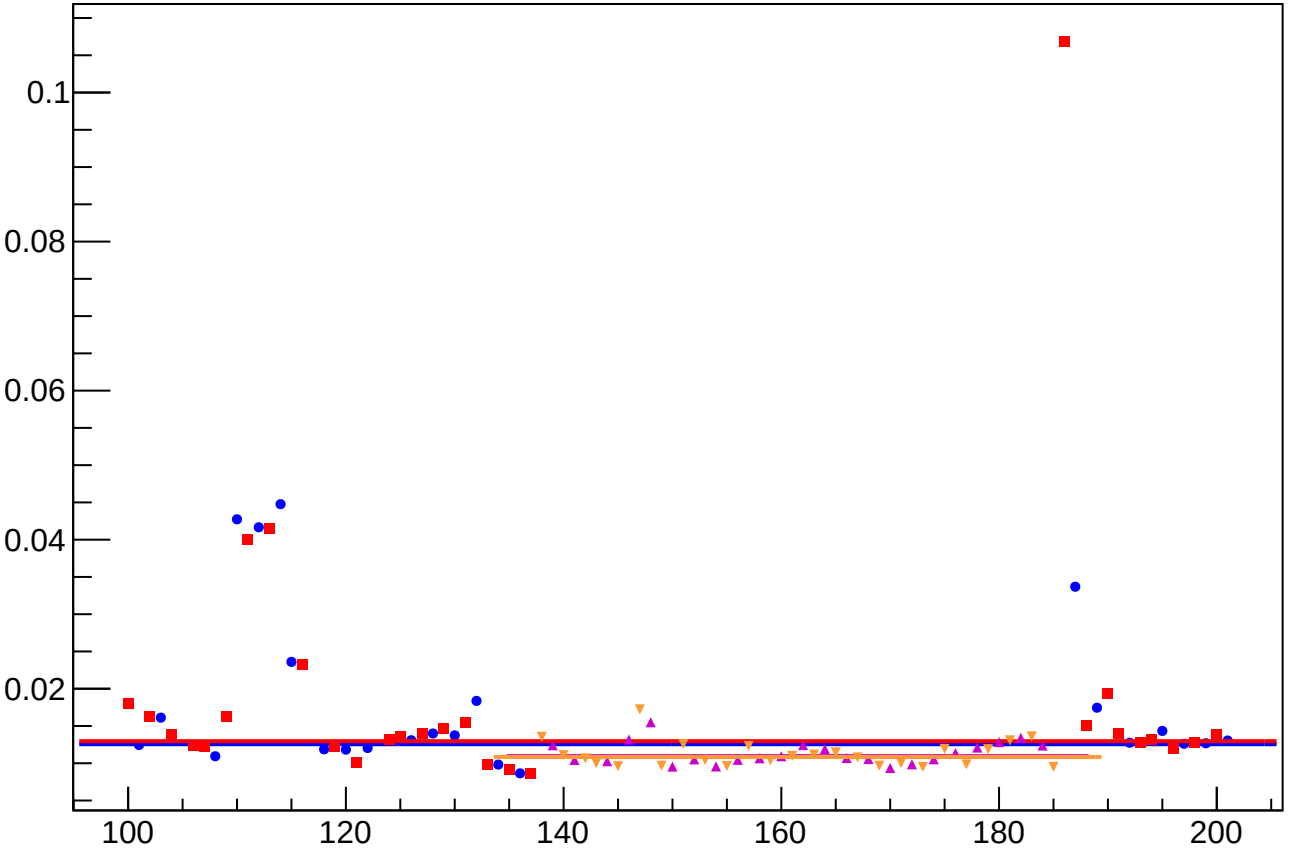
Right: 0.401+/-0.000 χ^2/NDF: 16700438193.6/50

In: 0.325+/-0.000 χ^2/NDF:8422640373.1/45

Out: 0.327+/-0.000 χ^2/NDF:9433229091.8/52

All: 0.326+/-0.000 χ^2/NDF: 17856370807.9/9

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: 2164941.9/27

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

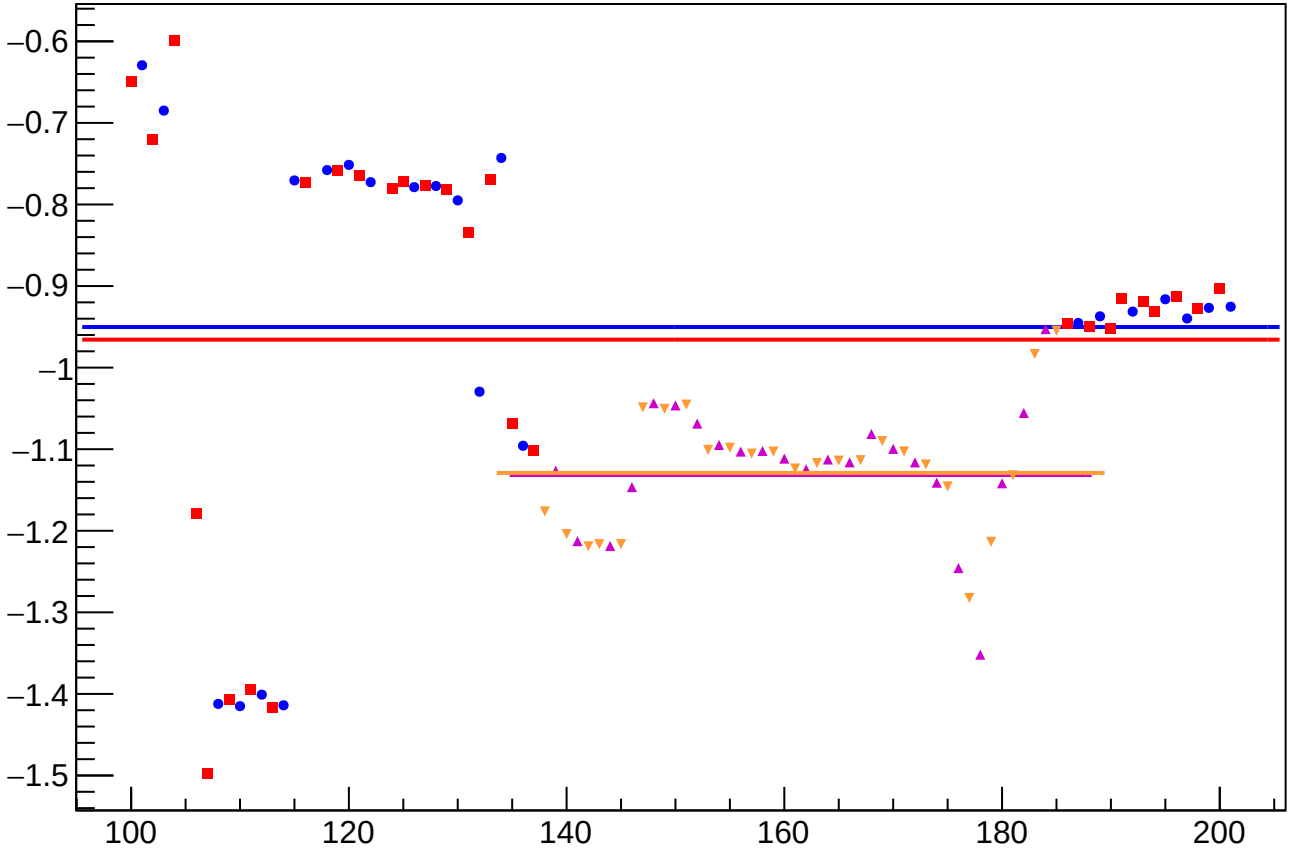
Right: 0.013+/-0.000 χ^2/NDF: 3941932.8/50

In: 0.011+/-0.000 χ^2/NDF:2513384.1/45

Out: 0.011+/-0.000 χ^2/NDF:3251532.2/52

All: 0.011+/-0.000 χ^2/NDF: 5765155.7/98

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: -0.966+/-0.000 χ^2/NDF: 716881507.4/27

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

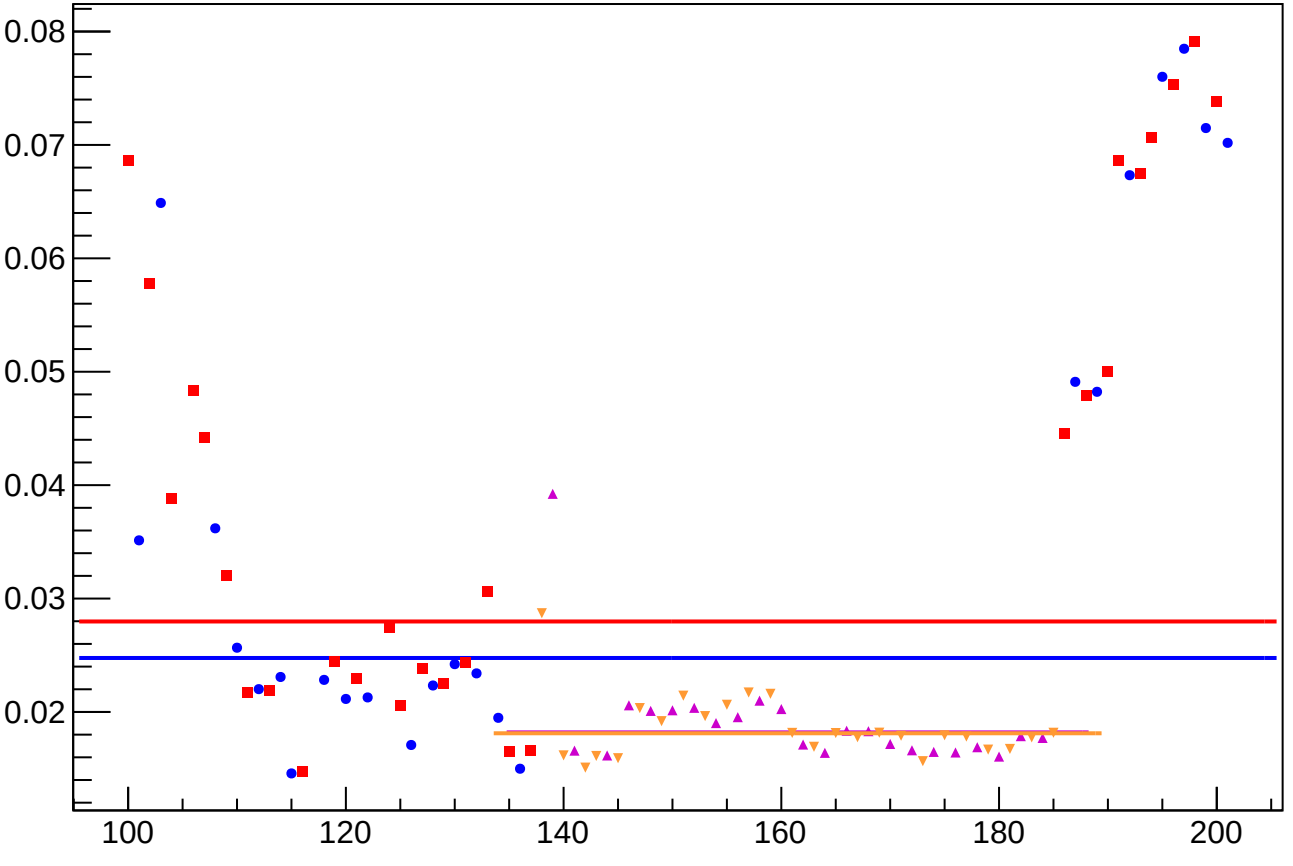
Right: -0.958+/-0.000 χ^2/NDF: 1418376457.1/50

In: -1.090+/-0.000 χ^2/NDF:1295796504.8/45

Out: -1.096+/-0.000 χ^2/NDF:1210735134.9/52

All: -1.093+/-0.000 χ^2/NDF: 2507681677.6/9

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: 0.028+/-0.000 χ^2/NDF: 5683252.7/27

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

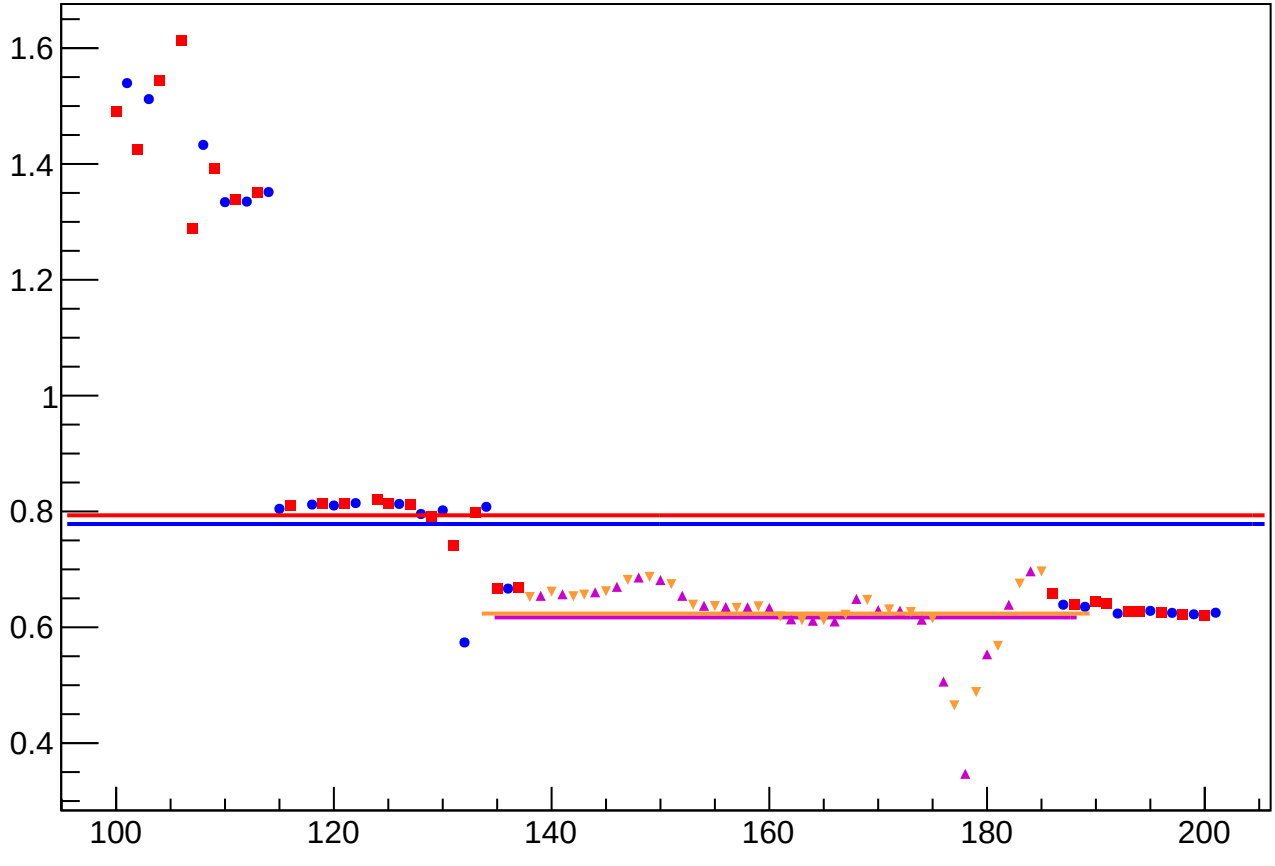
Right: 0.026+/-0.000 χ^2/NDF: 11357327.1/50

In: 0.020+/-0.000 χ^2/NDF:7145390.0/45

Out: 0.020+/-0.000 χ^2/NDF:8018455.7/52

All: 0.020+/-0.000 χ^2/NDF: 15172978.9/98

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: 0.793+/-0.000 χ^2/NDF: 3922278706.8/27

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

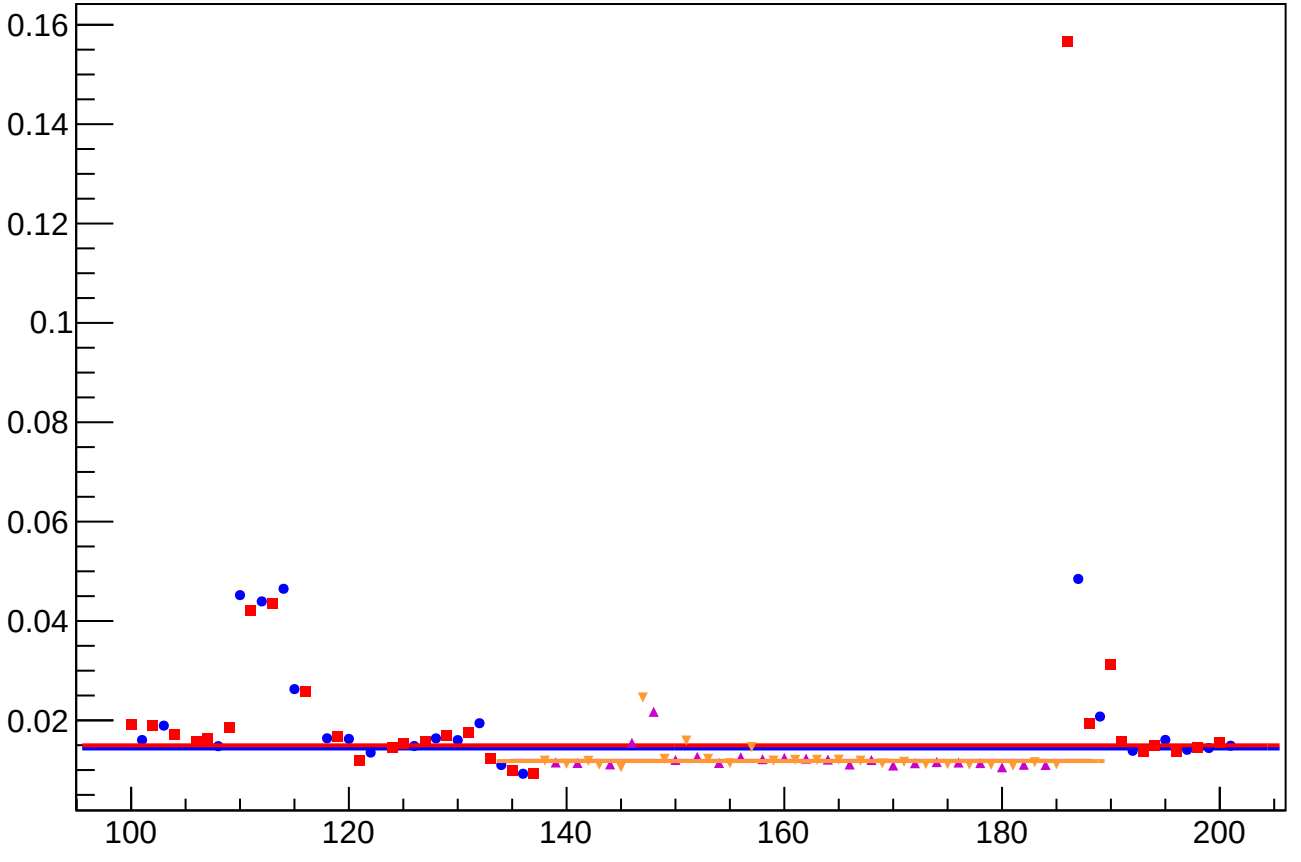
Right: 0.786+/-0.000 χ^2/NDF: 7534928230.7/50

In: 0.664+/-0.000 χ^2/NDF:5203583358.5/45

Out: 0.672+/-0.000 χ^2/NDF:5399487106.4/52

All: 0.668+/-0.000 χ^2/NDF: 10608049790.4/9

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: 2386199.6/27

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

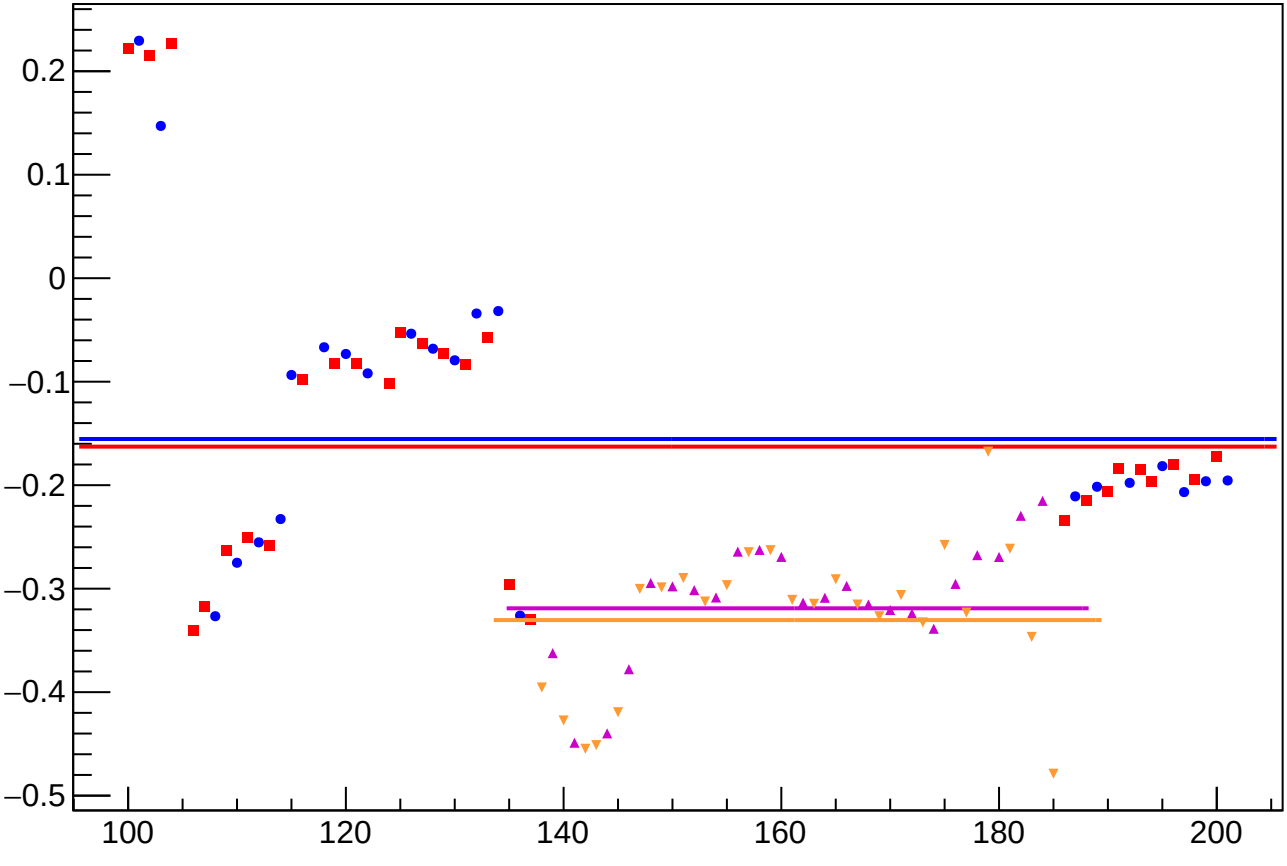
Right: 0.015+/-0.000 χ^2/NDF: 4353555.8/50

In: 0.013+/-0.000 χ^2/NDF:2910905.2/45

Out: 0.013+/-0.000 χ^2/NDF:3809451.9/52

All: 0.013+/-0.000 χ^2/NDF: 6723209.2/98

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: 198326764.5/27

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

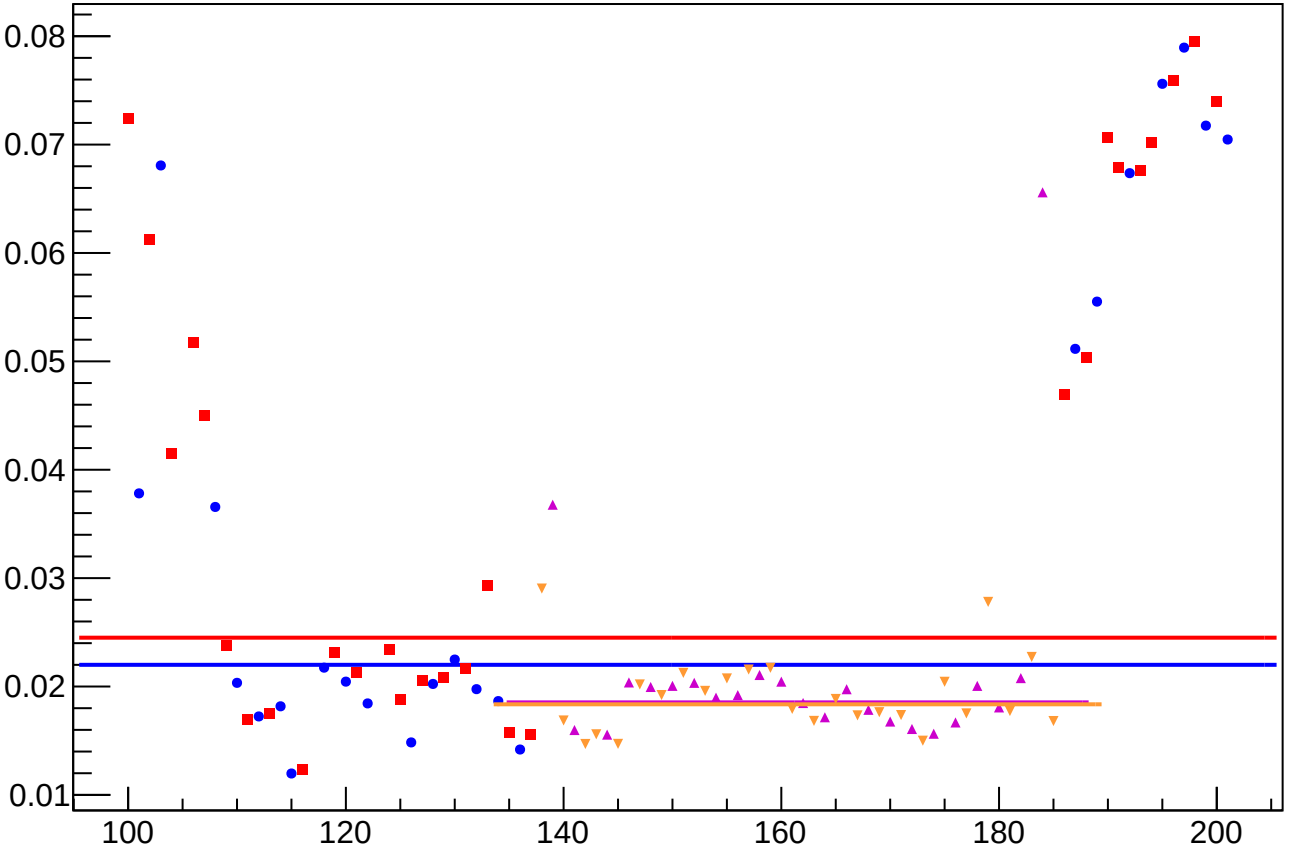
Right: -0.159+/-0.000 χ^2/NDF: 475053717.6/50

In: -0.274+/-0.000 χ^2/NDF:718428041.5/45

Out: -0.290+/-0.000 χ^2/NDF:693480758.9/52

All: -0.282+/-0.000 χ^2/NDF: 1419025967.3/9

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: 6842304.8/27

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

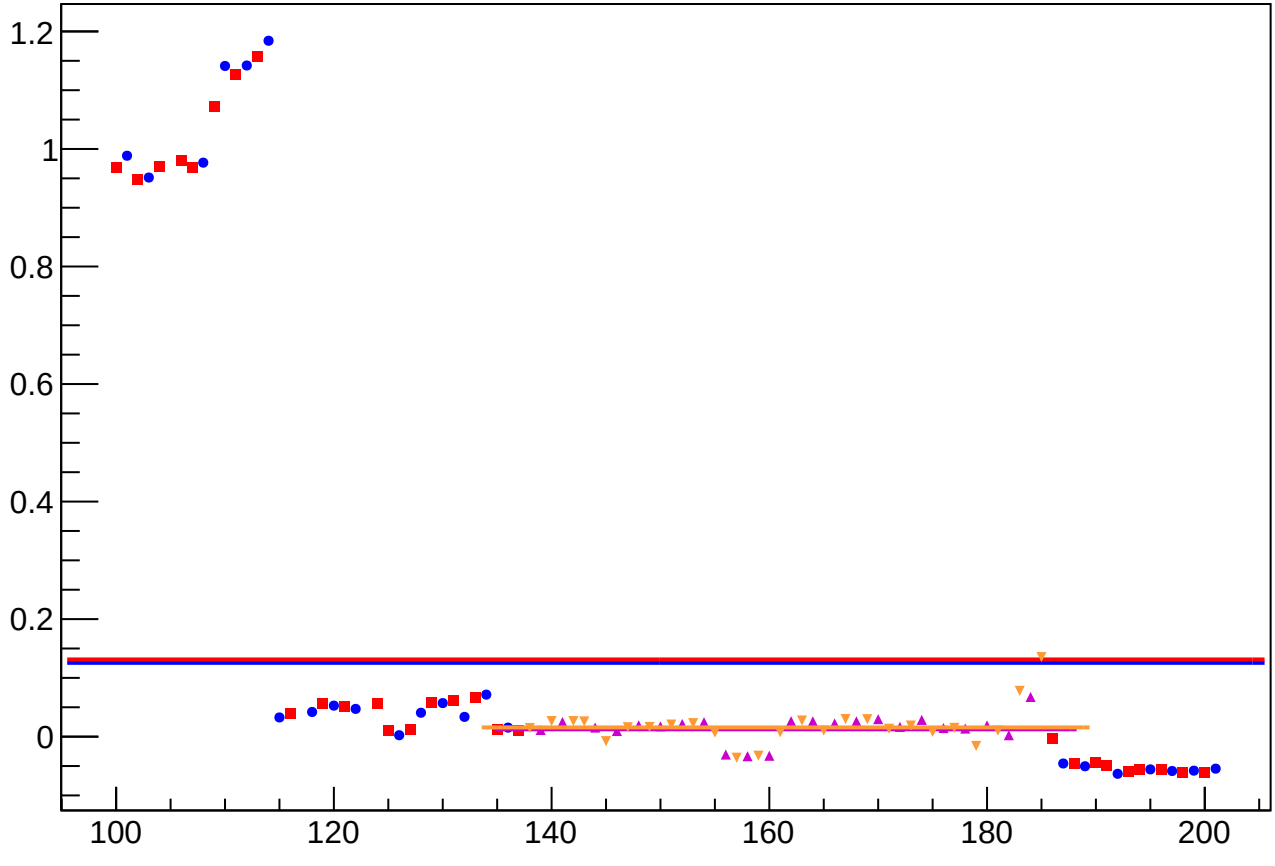
Right: 0.023+/-0.000 χ^2/NDF: 13241737.5/50

In: 0.019+/-0.000 χ^2/NDF:7516466.2/45

Out: 0.020+/-0.000 χ^2/NDF:8420016.1/52

All: 0.020+/-0.000 χ^2/NDF: 15944512.3/98

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: 0.131+/-0.000 χ^2/NDF: 8729737253.6/27

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

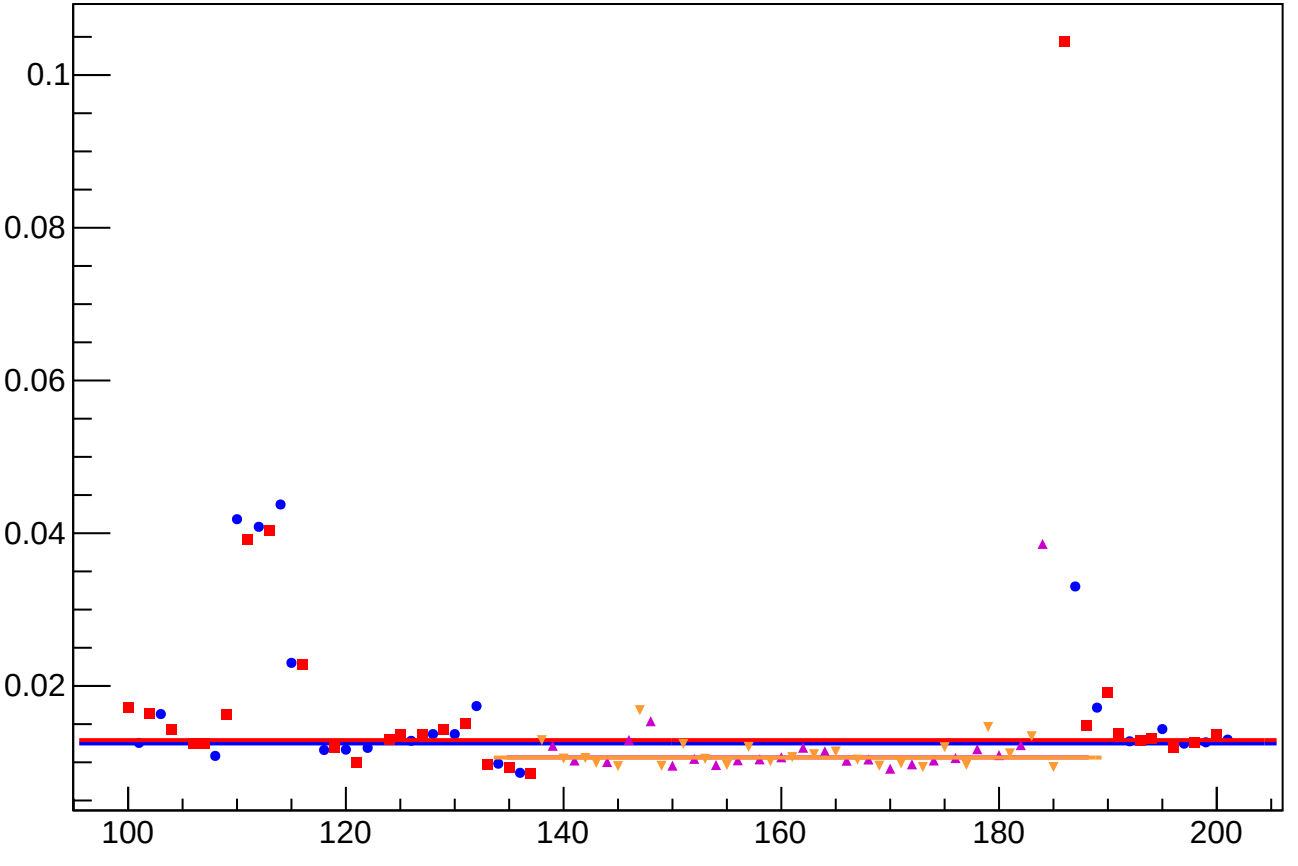
Right: 0.129+/-0.000 χ^2/NDF: 16711415687.1/50

In: 0.048+/-0.000 χ^2/NDF:8643821106.8/45

Out: 0.051+/-0.000 χ^2/NDF:9485699165.4/52

All: 0.050+/-0.000 χ^2/NDF: 18130721904.5/9

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: 2109317.3/27

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

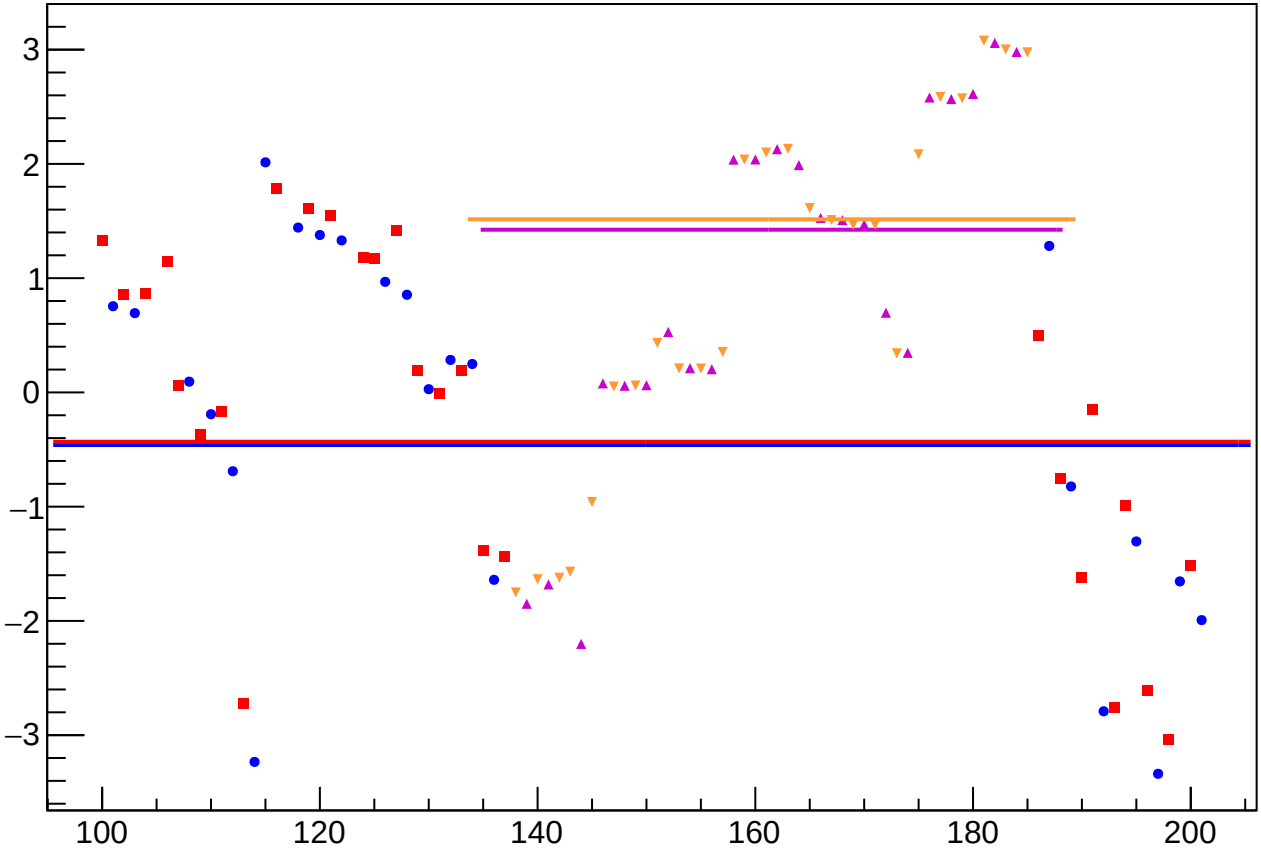
Right: 0.013+/-0.000 χ^2/NDF: 3853723.0/50

In: 0.011+/-0.000 χ^2/NDF:2618861.9/45

Out: 0.011+/-0.000 χ^2/NDF:3239463.8/52

All: 0.011+/-0.000 χ^2/NDF: 5860971.5/98

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: -0.432+/-0.000 χ^2/NDF: 6470164474.1/27

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

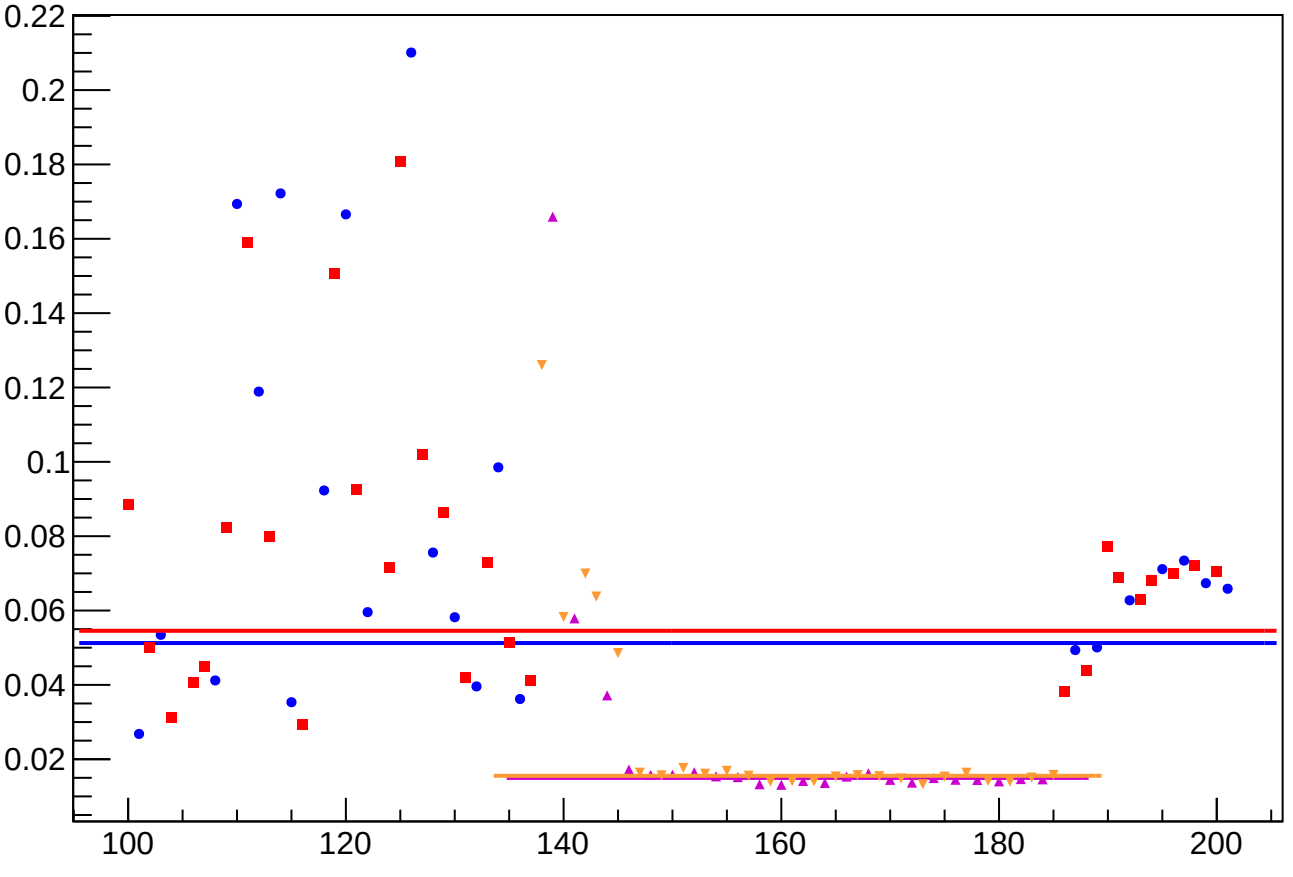
Right: -0.446+/-0.000 χ^2/NDF: 12900276370.0/50

In: 1.333+/-0.000 χ^2/NDF:85091774278.5/45

Out: 1.414+/-0.000 χ^2/NDF:86191740398.1/52

All: 1.373+/-0.000 χ^2/NDF: 171493683099.0

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: 3062927.4/27

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

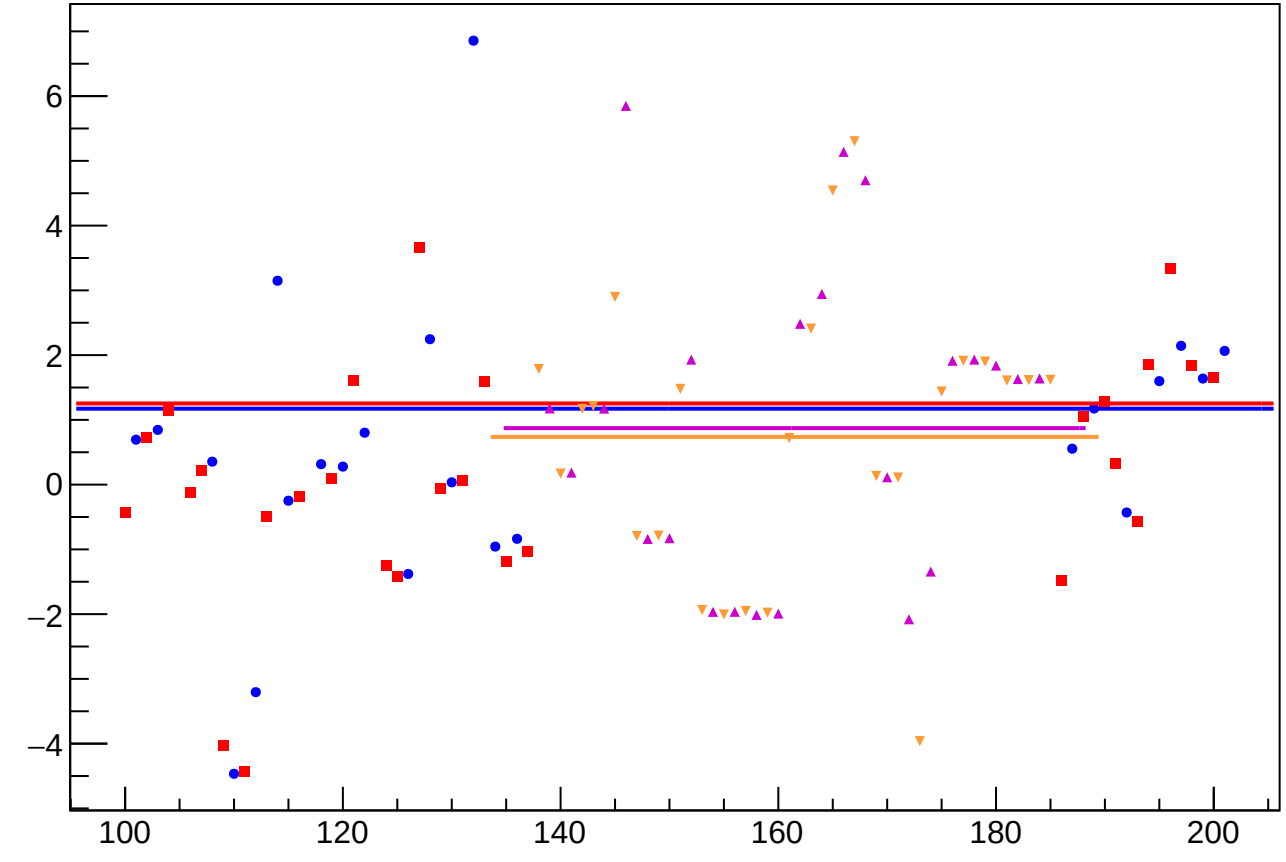
Right: 0.053+/-0.000 χ^2/NDF: 6603923.8/50

In: 0.017+/-0.000 χ^2/NDF:13562231.9/45

Out: 0.018+/-0.000 χ^2/NDF:15628935.8/52

All: 0.017+/-0.000 χ^2/NDF: 29237766.0/98

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: 1.253+/-0.000 χ^2/NDF: 25578684886.6/27

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

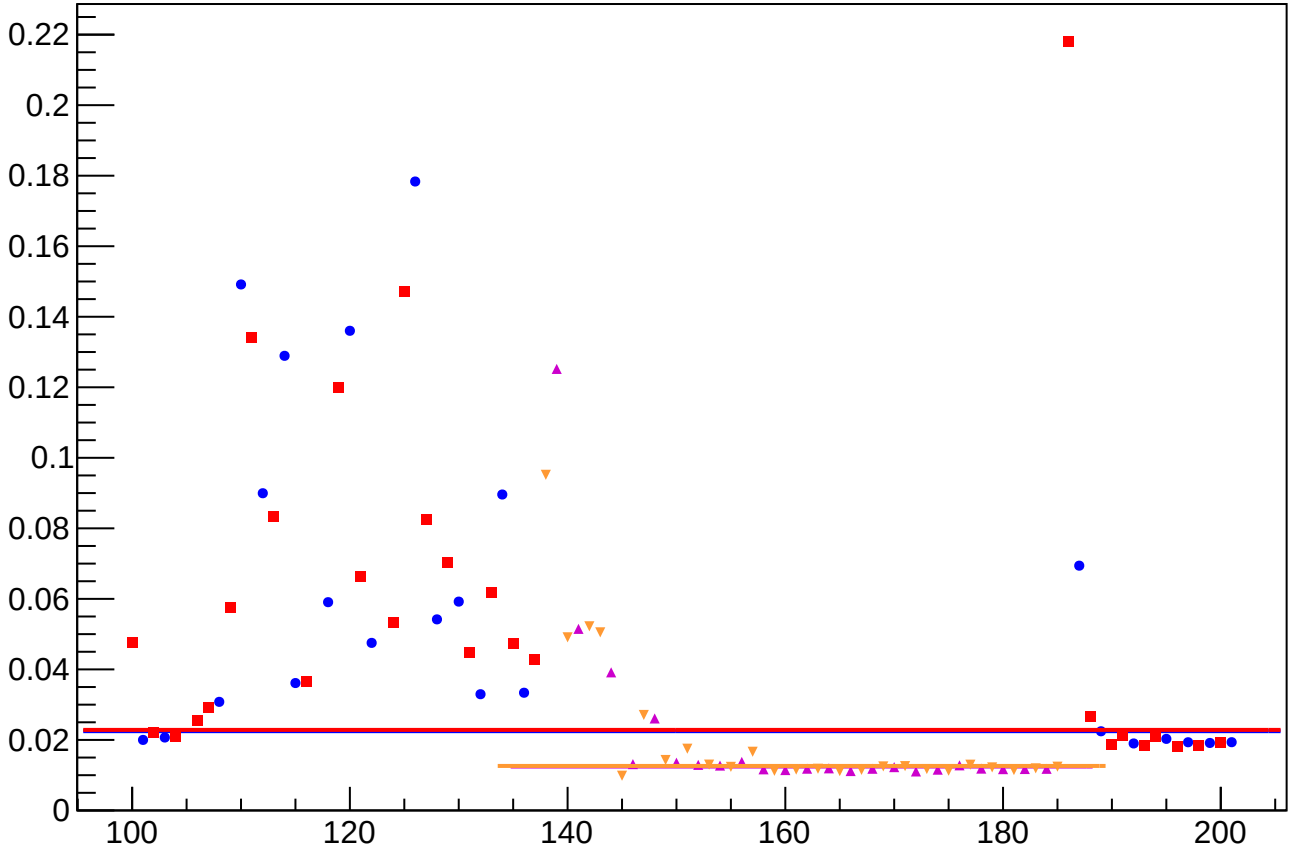
Right: 1.215+/-0.000 χ^2/NDF: 47827225919.1/50

In: 0.912+/-0.000 χ^2/NDF:643546615345.6/45

Out: 0.811+/-0.000 χ^2/NDF:565342684381.6/52

All: 0.861+/-0.000 χ^2/NDF: 1209484660226.

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: 5035135.4/27

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

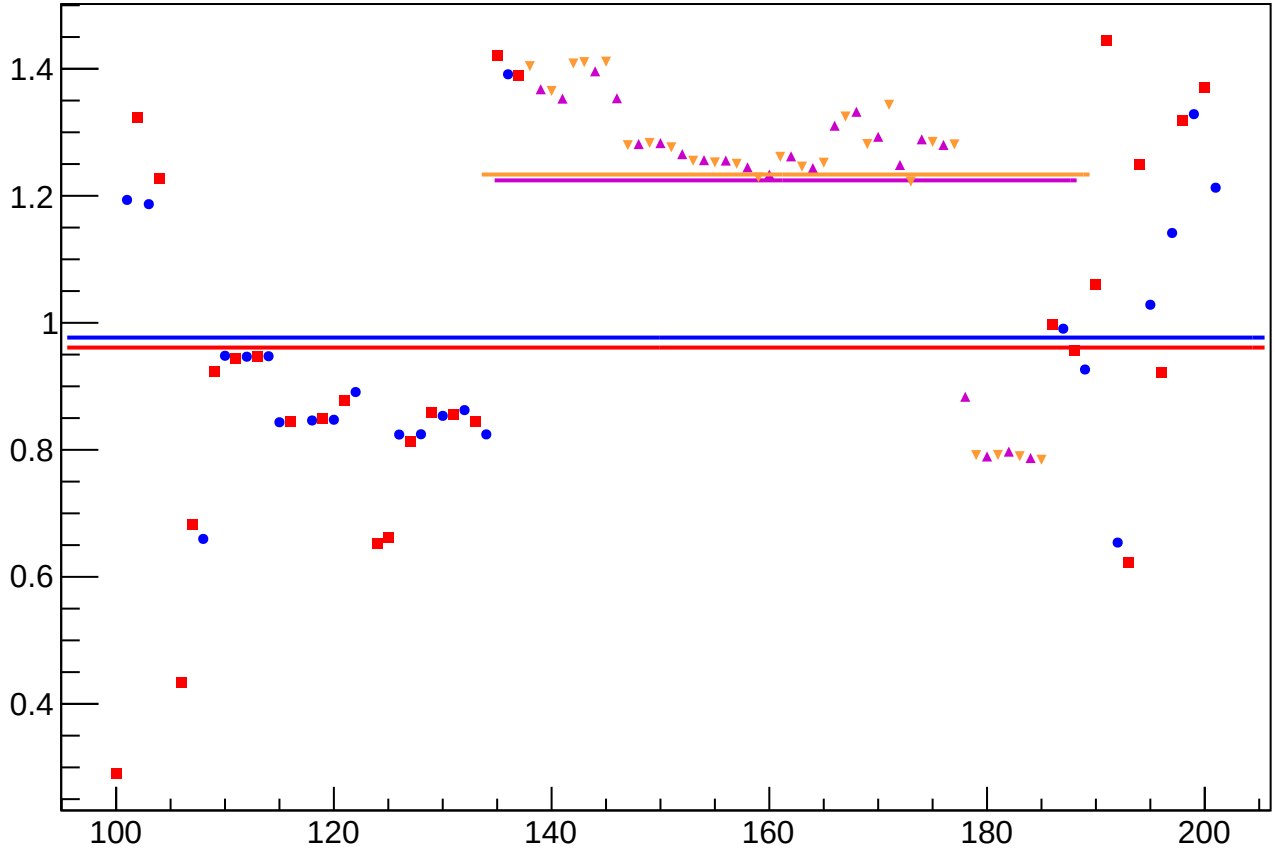
Right: 0.023+/-0.000 χ^2/NDF: 8997386.2/50

In: 0.014+/-0.000 χ^2/NDF:9369179.7/45

Out: 0.014+/-0.000 χ^2/NDF:11200996.8/52

All: 0.014+/-0.000 χ^2/NDF: 20580348.0/98

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: 0.961+/-0.000 χ^2/NDF: 2113207414.9/27

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

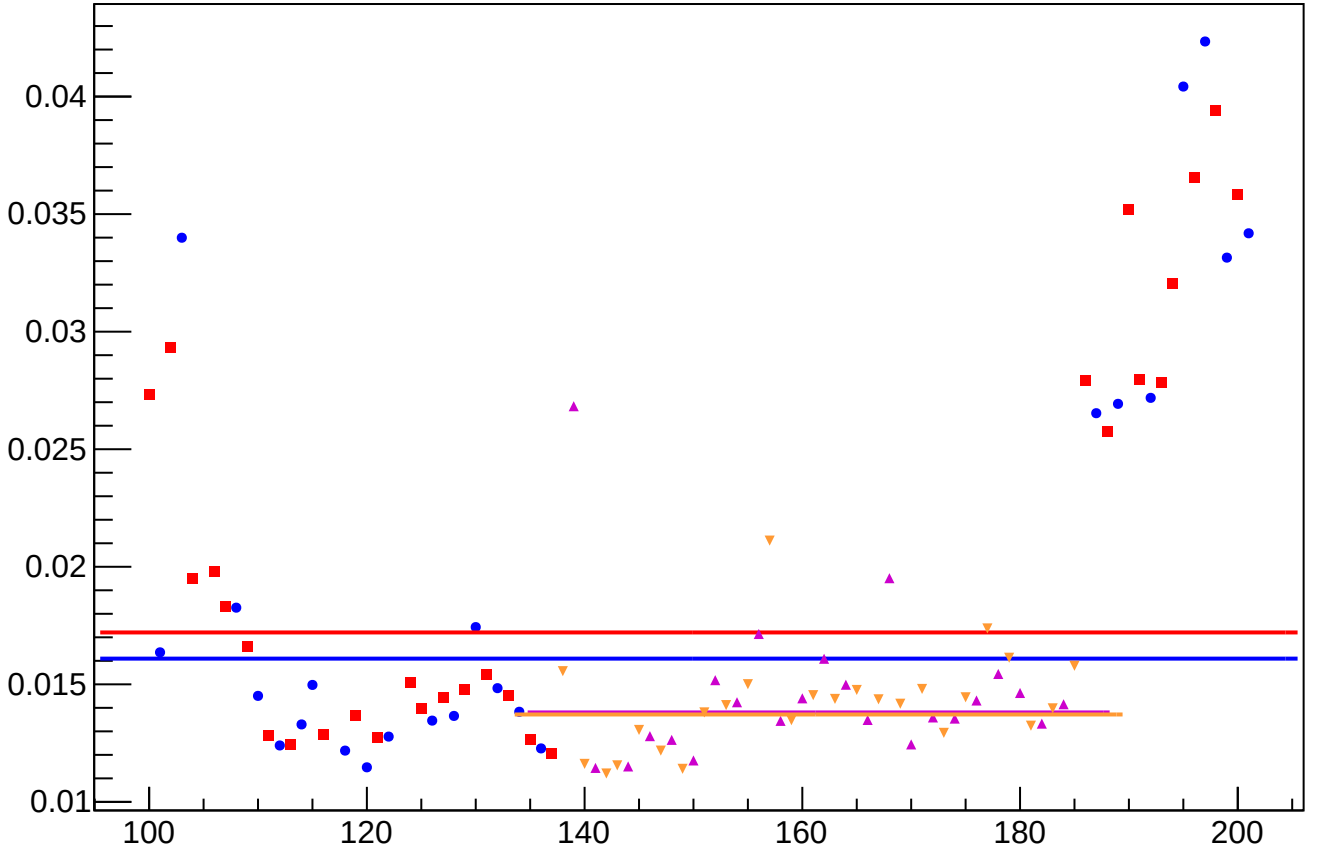
Right: 0.969+/-0.000 χ^2/NDF: 3858872365.3/50

In: 1.149+/-0.000 χ^2/NDF:5973311288.5/45

Out: 1.155+/-0.000 χ^2/NDF:7088038841.2/52

All: 1.152+/-0.000 χ^2/NDF: 13063195158.3/9

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: 0.017+/-0.000 χ^2/NDF: 3531615.6/27

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

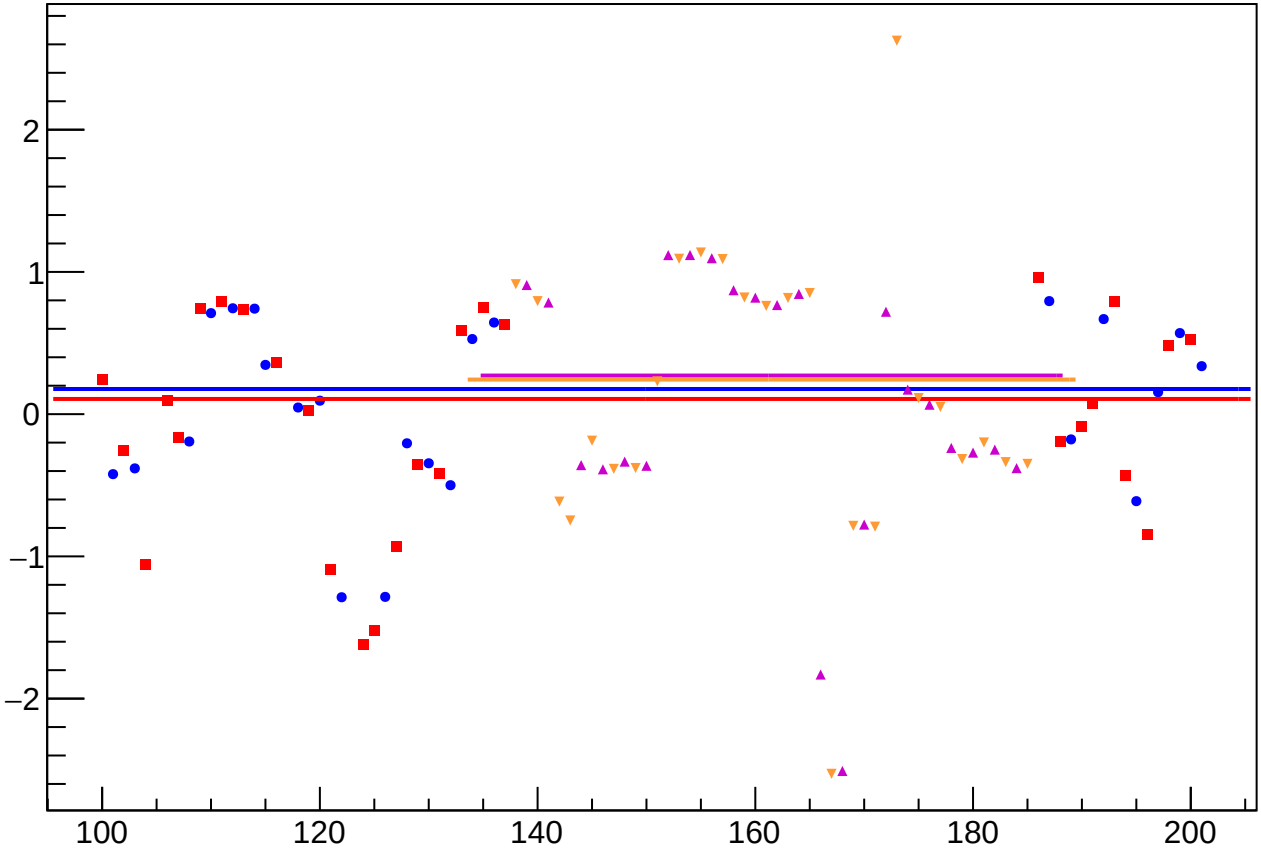
Right: 0.017+/-0.000 χ^2/NDF: 7070094.5/50

In: 0.014+/-0.000 χ^2/NDF:4632928.7/45

Out: 0.015+/-0.000 χ^2/NDF:4715598.6/52

All: 0.015+/-0.000 χ^2/NDF: 9354985.5/98

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: 0.107+/-0.000 χ^2/NDF: 29677031554.0/27

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

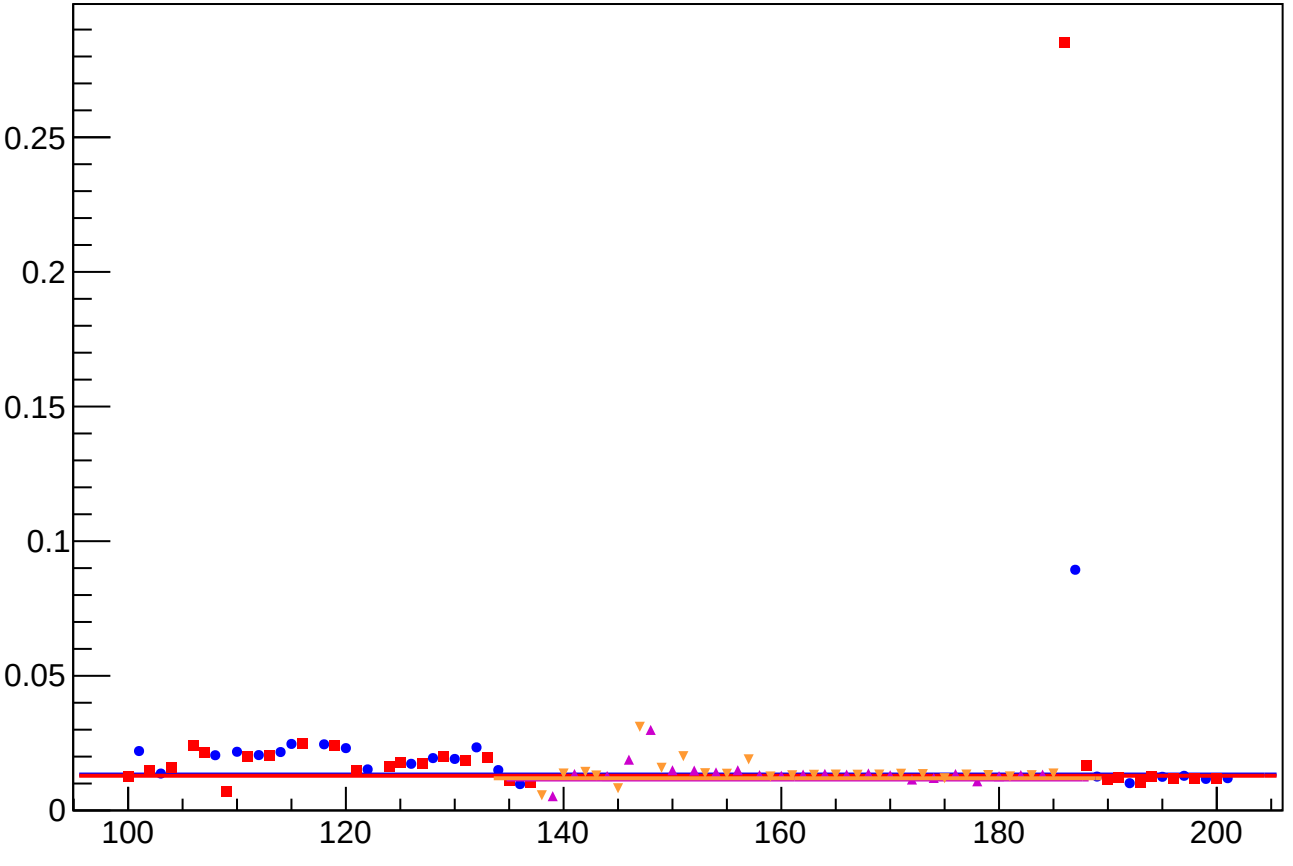
Right: 0.139+/-0.000 χ^2/NDF: 48050569384.5/50

In: 0.240+/-0.000 χ^2/NDF:109068492331.9/45

Out: 0.194+/-0.000 χ^2/NDF:136056268009.2/52

All: 0.217+/-0.000 χ^2/NDF: 245316795138.2

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: 2671627.8/27

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

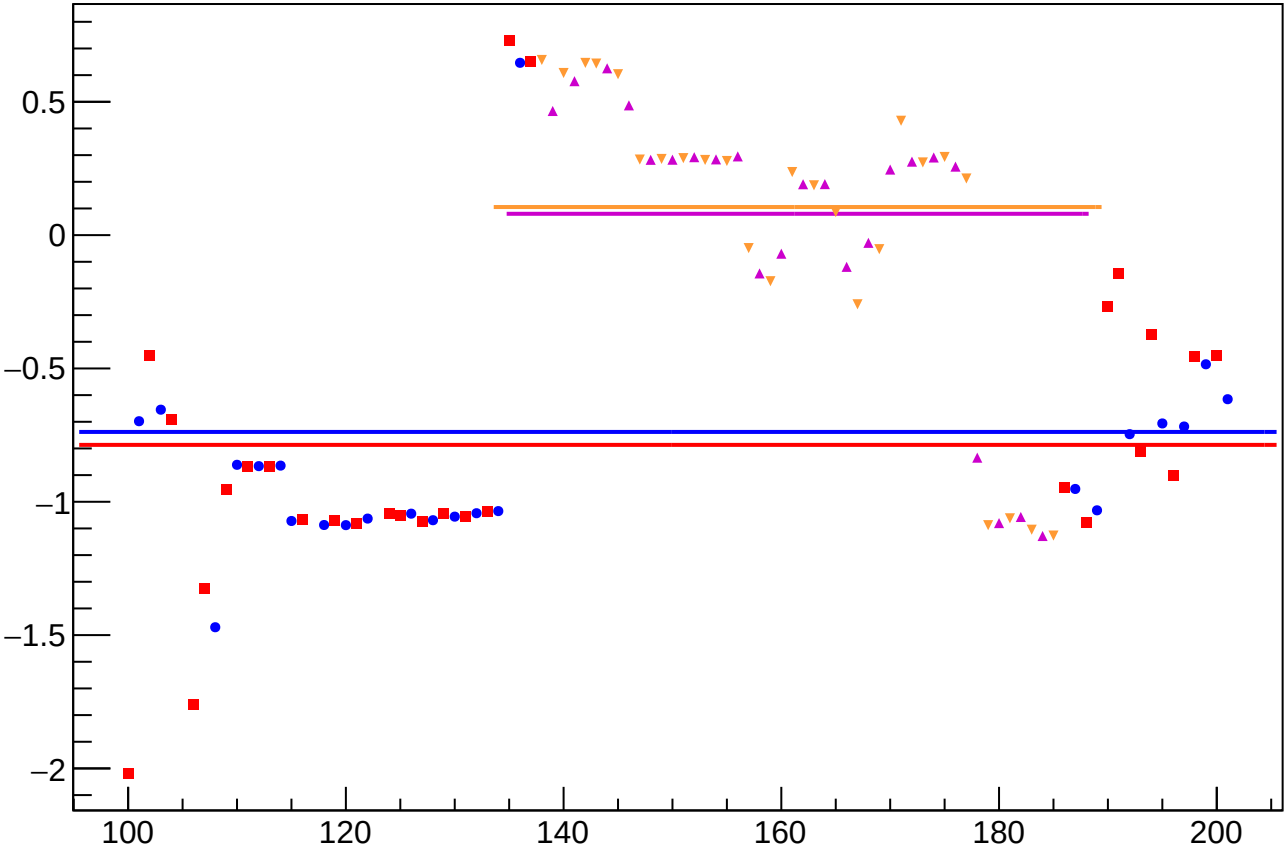
Right: 0.013+/-0.000 χ^2/NDF: 4713572.3/50

In: 0.012+/-0.000 χ^2/NDF:5964957.1/45

Out: 0.012+/-0.000 χ^2/NDF:6012910.5/52

All: 0.012+/-0.000 χ^2/NDF: 11984681.2/98

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: -0.787+/-0.000 χ^2/NDF: 1998034941.5/27

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

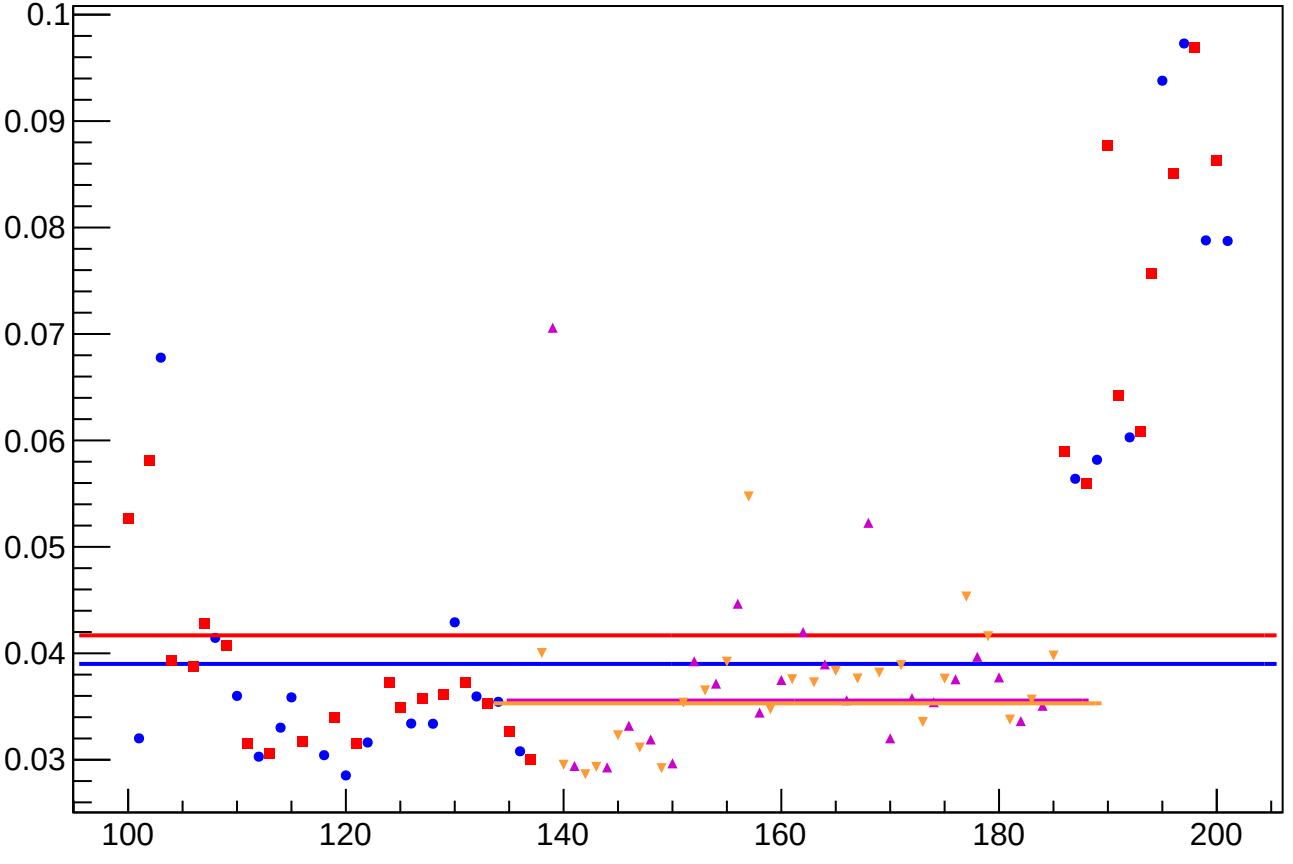
Right: -0.762+/-0.000 χ^2/NDF: 4104329603.3/50

In: -0.195+/-0.000 χ^2/NDF:8233520201.6/45

Out: -0.180+/-0.000 χ^2/NDF:9215472544.4/52

All: -0.187+/-0.000 χ^2/NDF: 17451384202.6/

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: 2997232.0/27

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

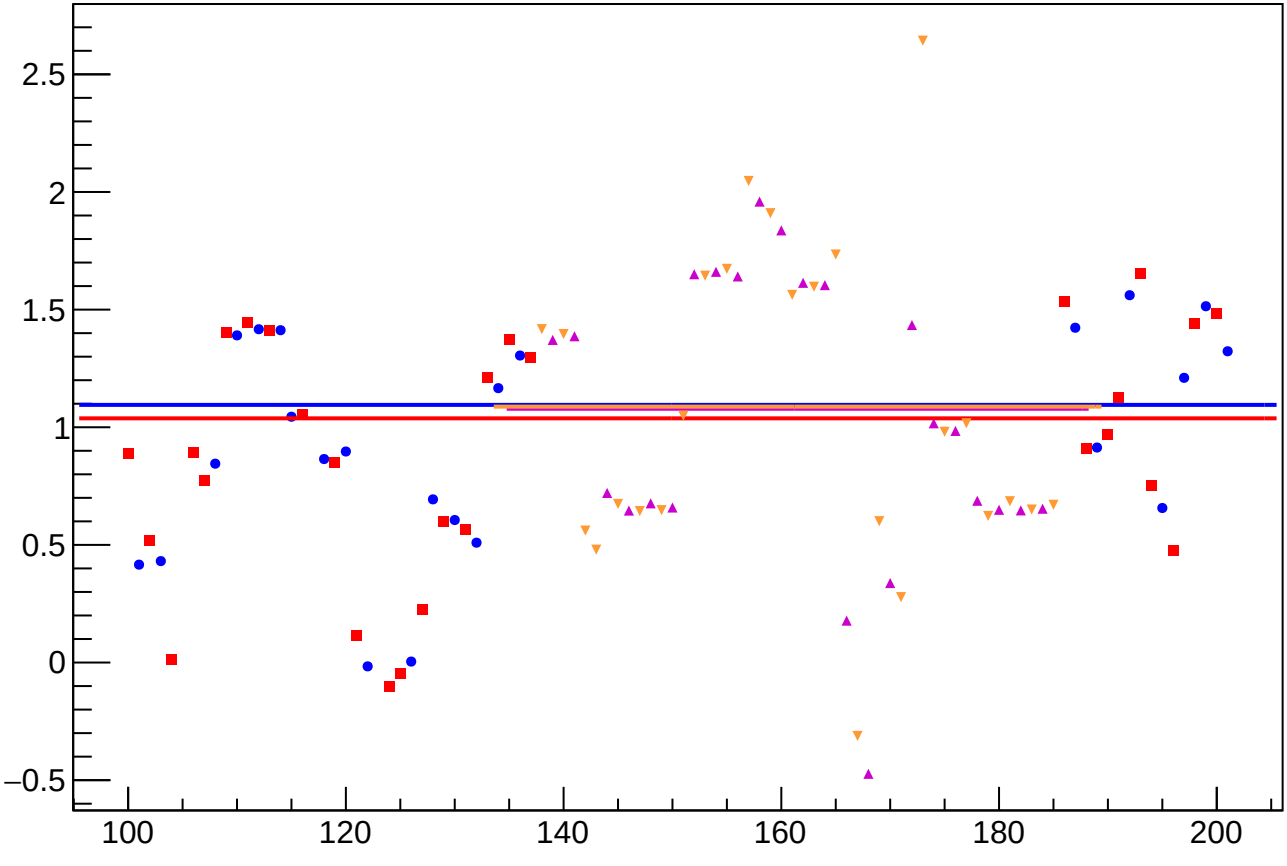
Right: 0.040+/-0.000 χ^2/NDF: 6091320.5/50

In: 0.037+/-0.000 χ^2/NDF:4109885.4/45

Out: 0.037+/-0.000 χ^2/NDF:3961377.3/52

All: 0.037+/-0.000 χ^2/NDF: 8078812.2/98

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: 1.038+/-0.000 χ^2/NDF: 32919514667.0/27

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

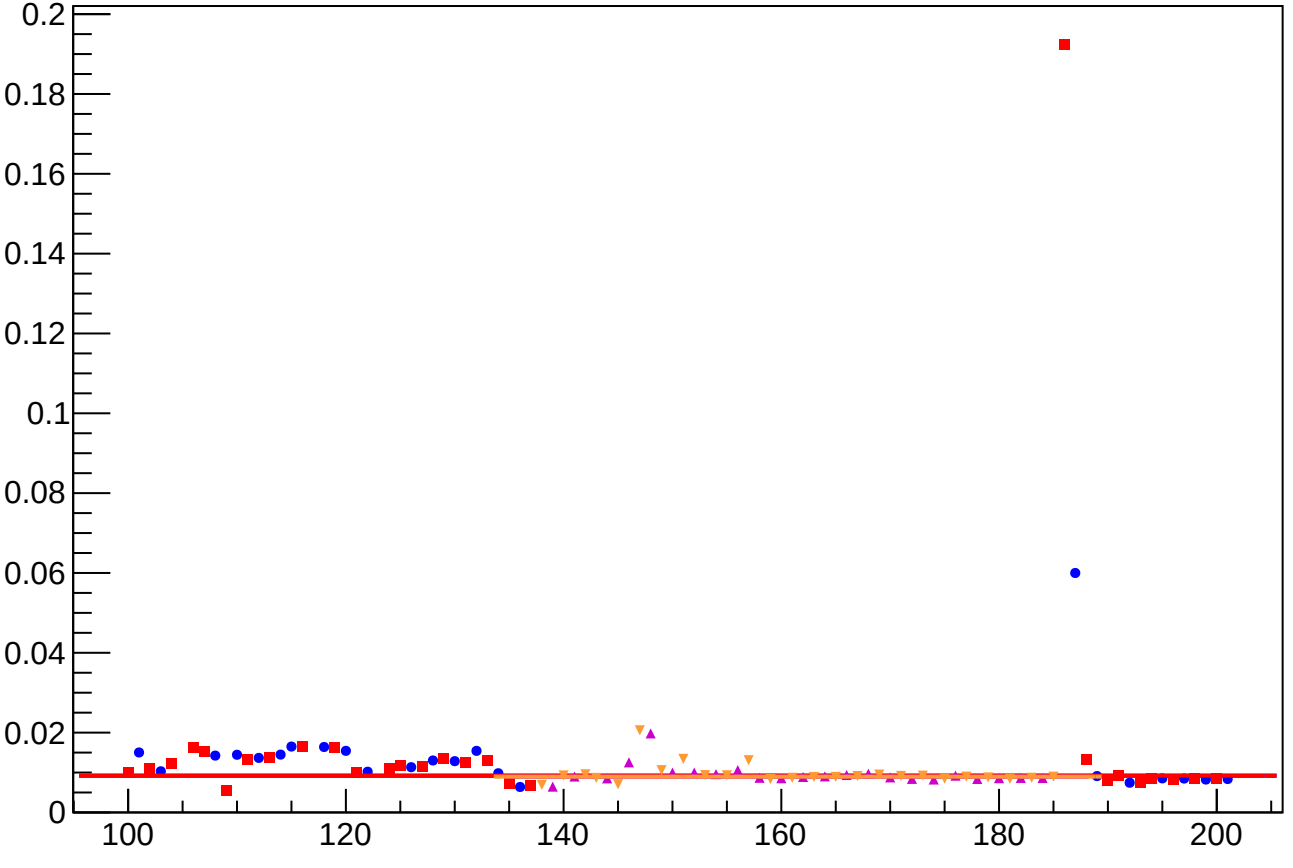
Right: 1.066+/-0.000 χ^2/NDF: 57196108095.7/50

In: 1.085+/-0.000 χ^2/NDF:98169872538.1/45

Out: 1.069+/-0.000 χ^2/NDF:126976463358.0/52

All: 1.077+/-0.000 χ^2/NDF: 225187782004.0

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: 2381193.9/27

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

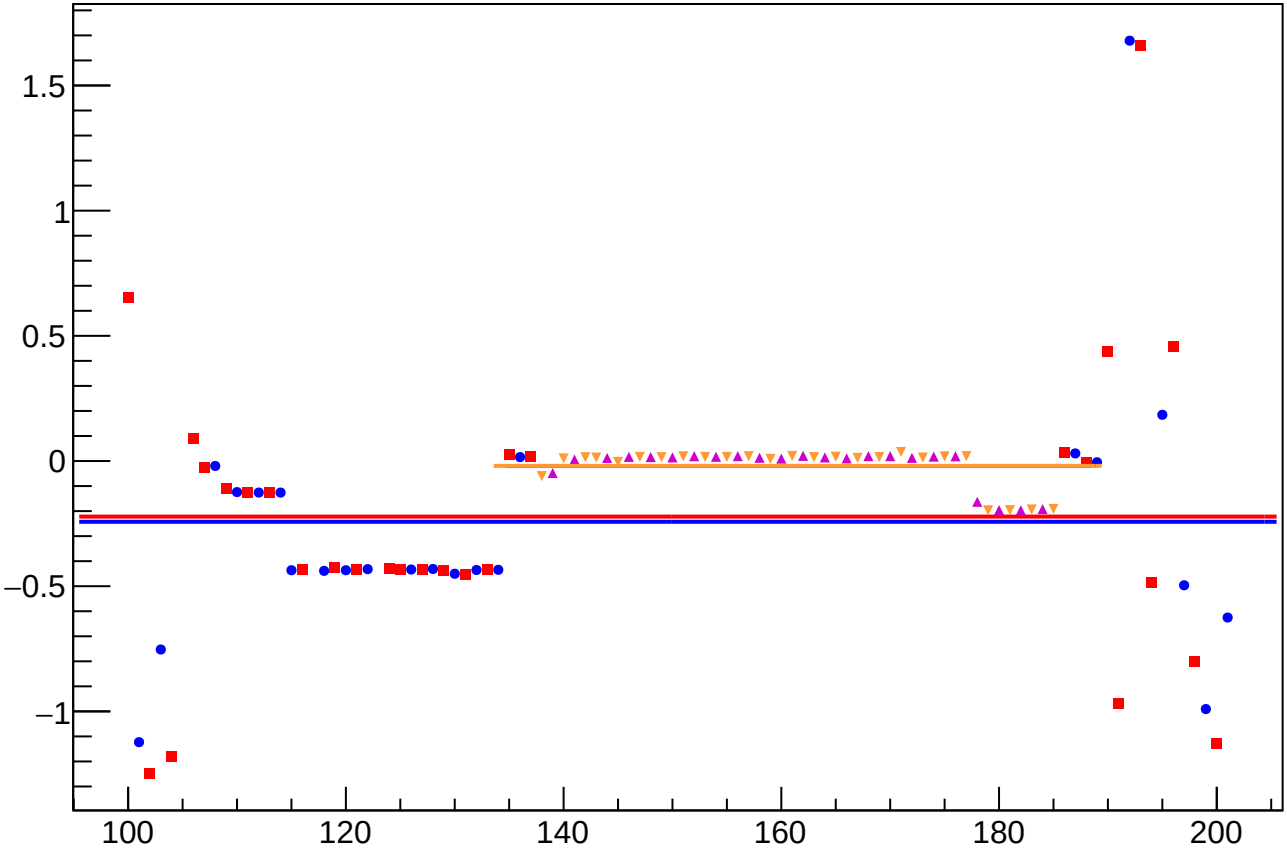
Right: 0.009+/-0.000 χ^2/NDF: 4295198.0/50

In: 0.009+/-0.000 χ^2/NDF:2890136.5/45

Out: 0.009+/-0.000 χ^2/NDF:3539792.0/52

All: 0.009+/-0.000 χ^2/NDF: 6430322.6/98

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: -0.222+/-0.000 χ^2/NDF: 2894259008.7/27

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

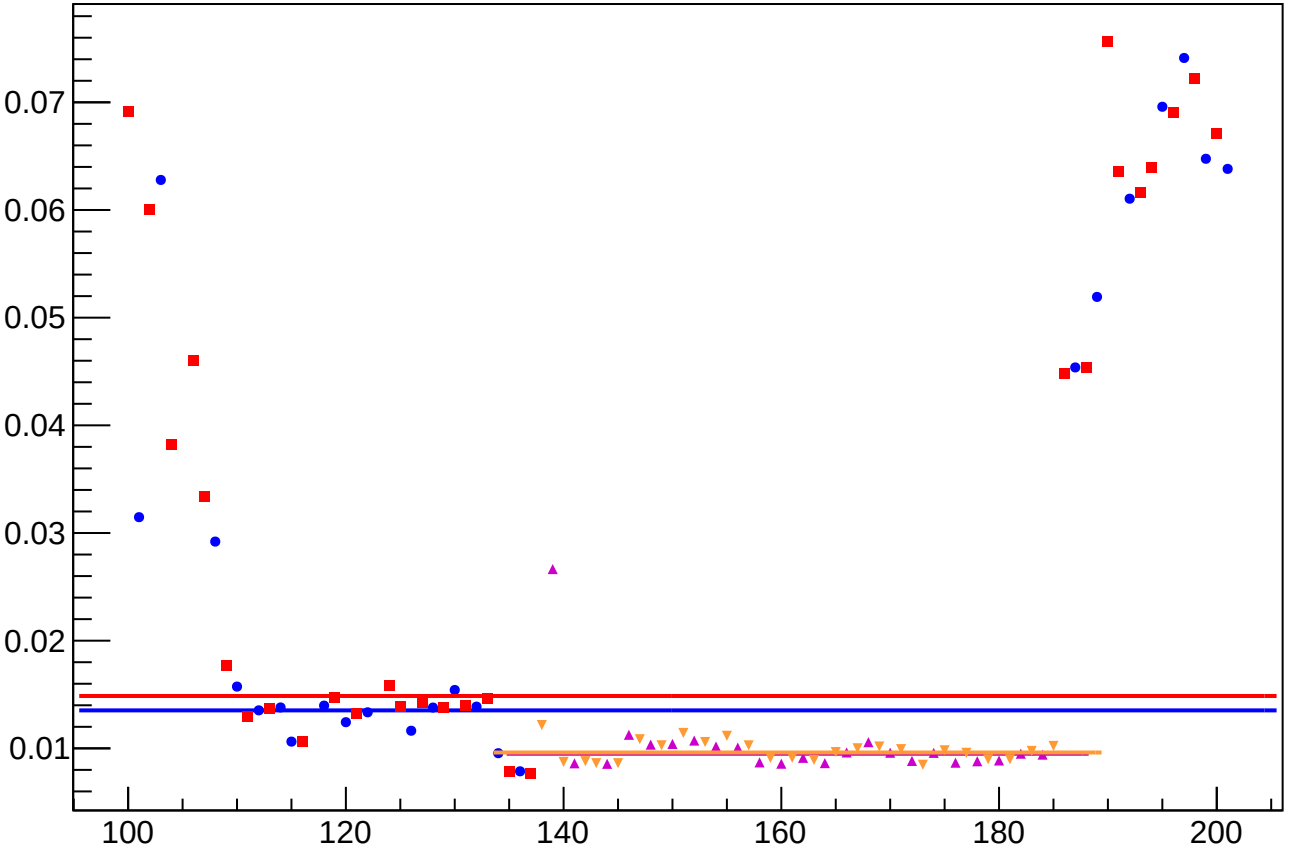
Right: -0.233+/-0.000 χ^2/NDF: 6076369218.3/50

In: -0.060+/-0.000 χ^2/NDF:5654005720.3/45

Out: -0.051+/-0.000 χ^2/NDF:5106810400.5/52

All: -0.056+/-0.000 χ^2/NDF: 10768216484.6/

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: 9357123.2/27

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

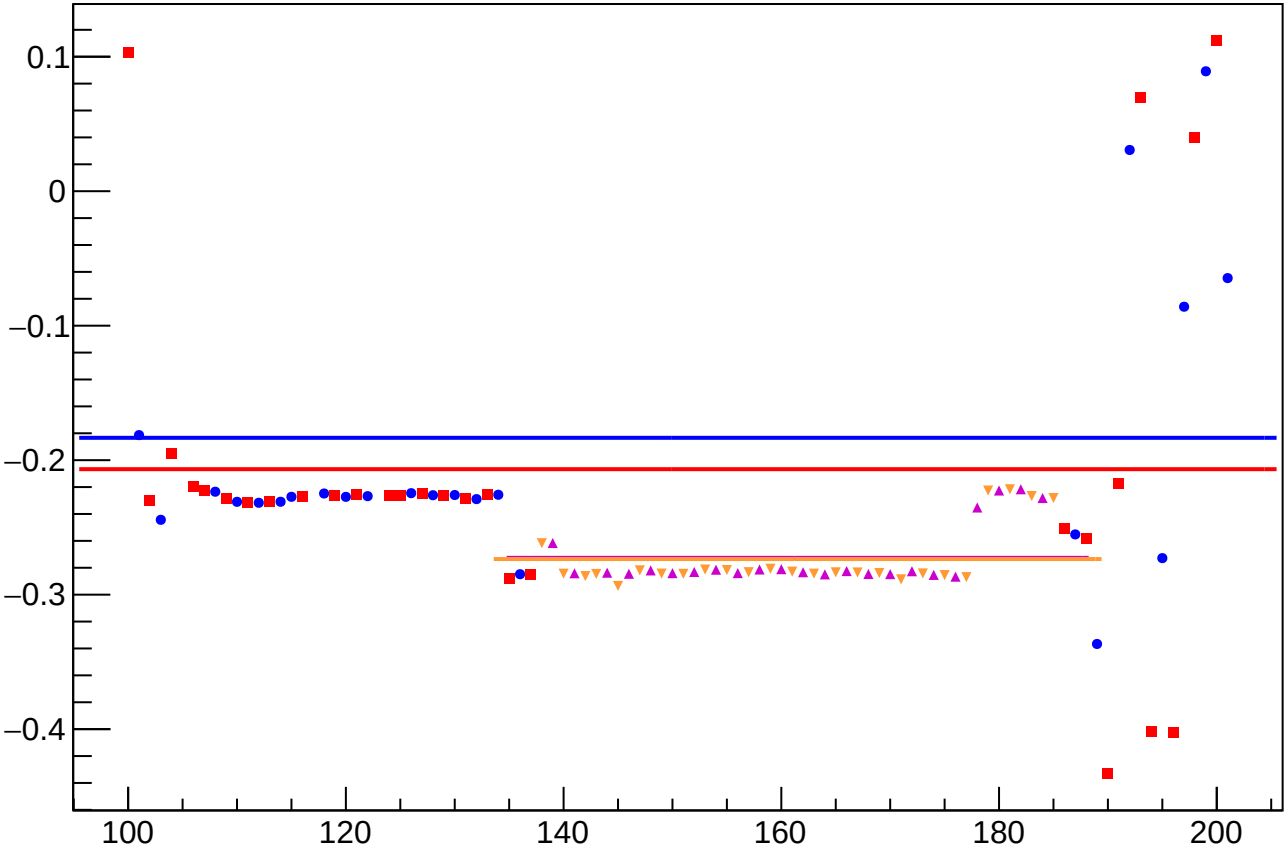
Right: 0.014+/-0.000 χ^2/NDF: 17592312.3/50

In: 0.010+/-0.000 χ^2/NDF:10052062.8/45

Out: 0.010+/-0.000 χ^2/NDF:11178526.0/52

All: 0.010+/-0.000 χ^2/NDF: 21241609.2/98

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: -0.207+/-0.000 χ^2/NDF: 8019147856.7/27

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

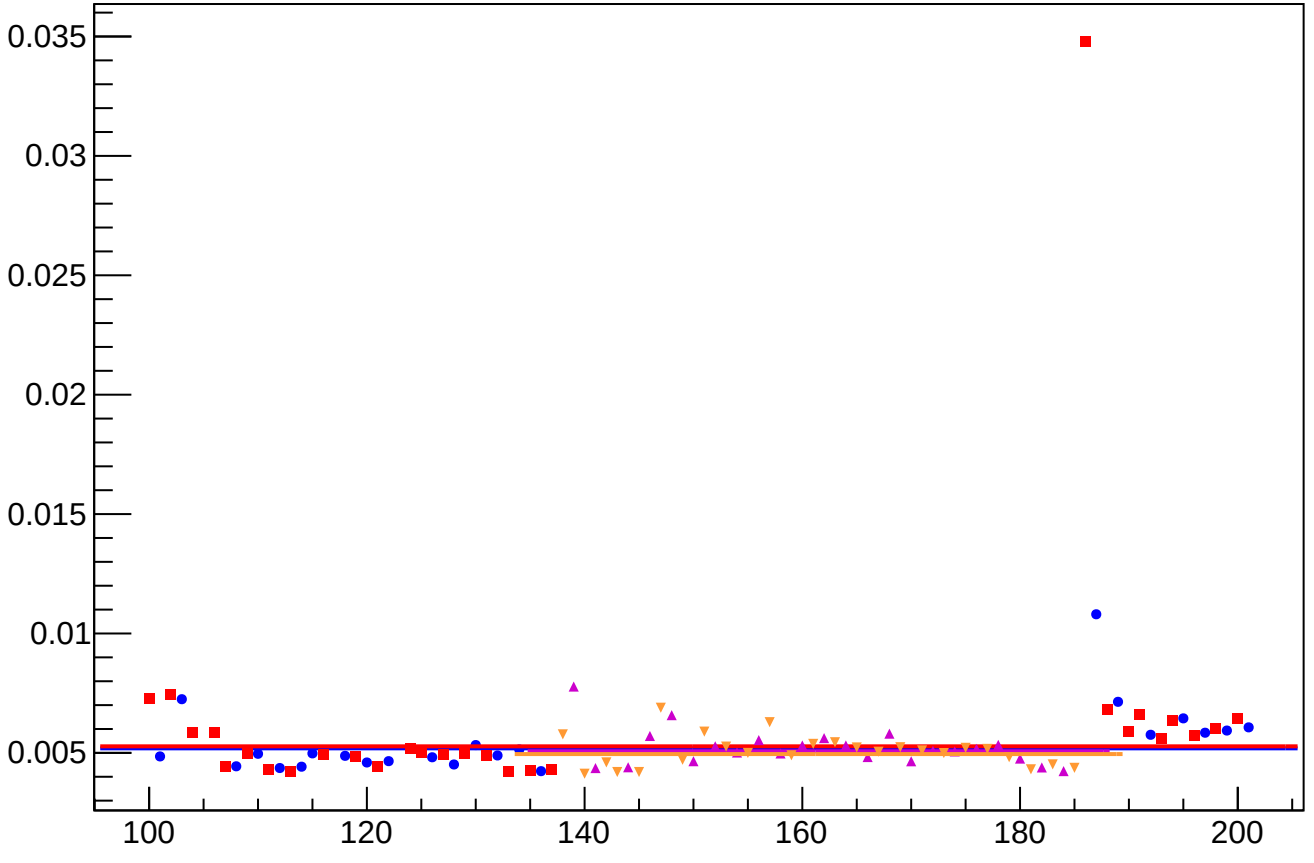
Right: -0.195+/-0.000 χ^2/NDF: 13100917745.6/50

In: -0.239+/-0.000 χ^2/NDF:7328979065.6/45

Out: -0.249+/-0.000 χ^2/NDF:9639158894.1/52

All: -0.244+/-0.000 χ^2/NDF: 17024980633.8/

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: 1238661.3/27

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

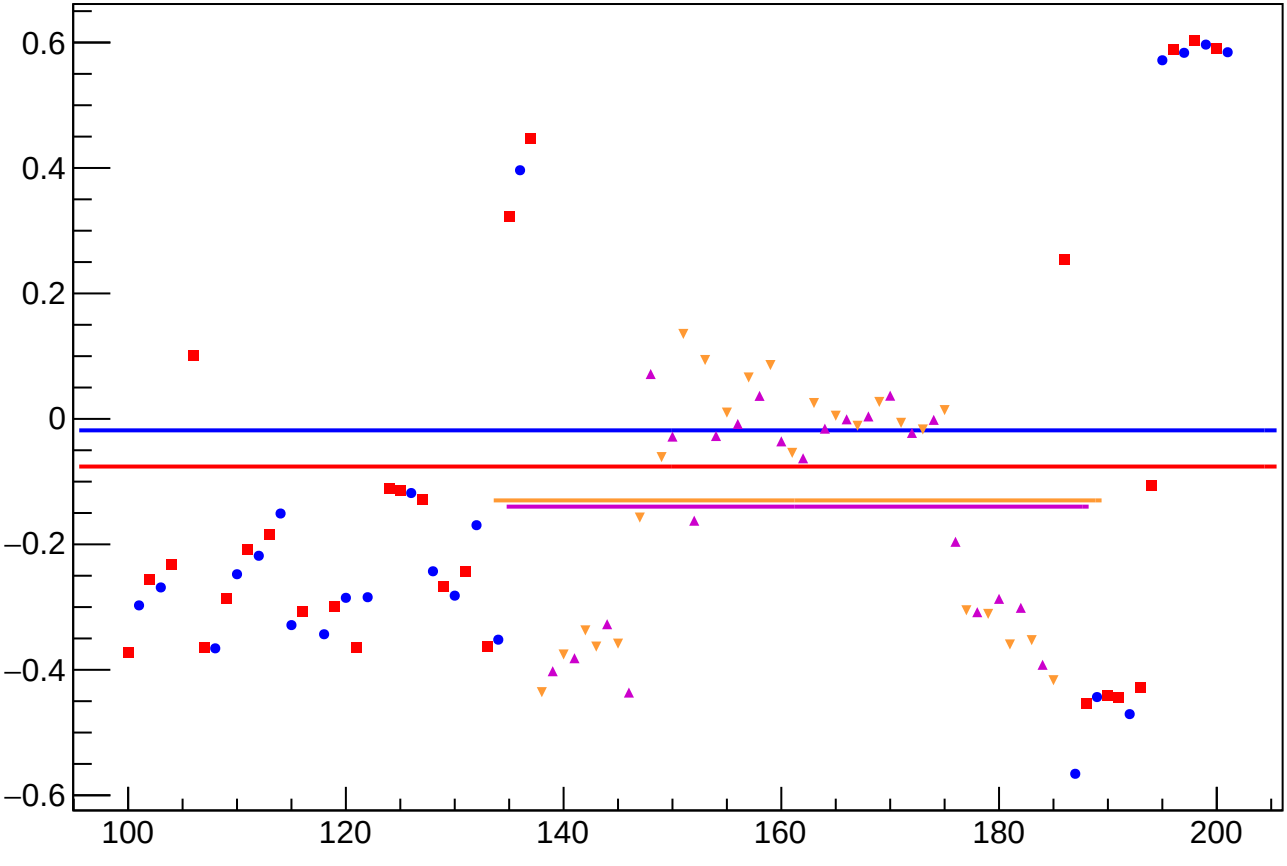
Right: 0.005+/-0.000 χ^2/NDF: 1863995.6/50

In: 0.005+/-0.000 χ^2/NDF:1169485.6/45

Out: 0.005+/-0.000 χ^2/NDF:1825079.2/52

All: 0.005+/-0.000 χ^2/NDF: 2996649.2/98

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: -0.076+/-0.000 χ^2/NDF: 40008446355.5/27

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

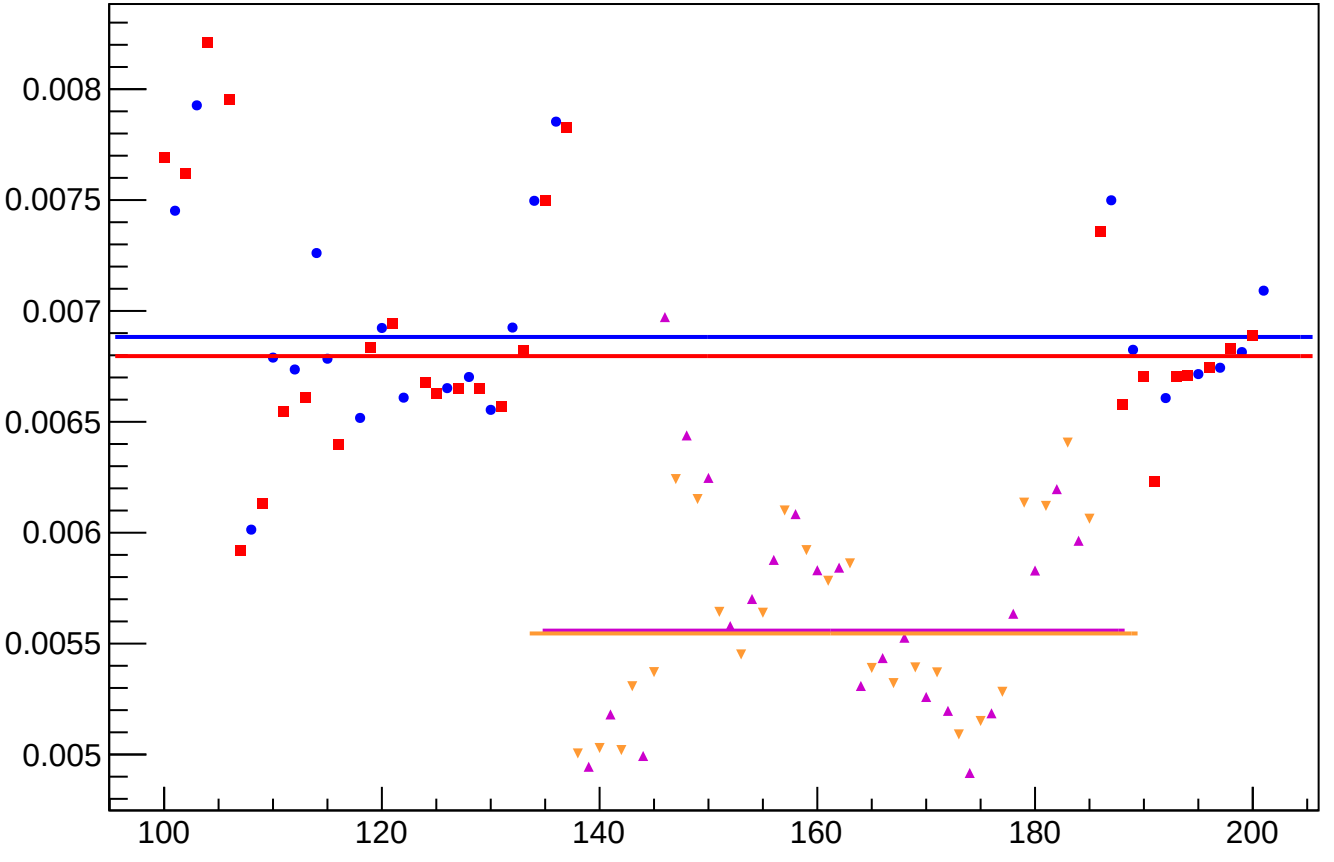
Right: -0.049+/-0.000 χ^2/NDF: 85704168057.6/50

In: -0.102+/-0.000 χ^2/NDF:62986251152.8/45

Out: -0.112+/-0.000 χ^2/NDF:62072147298.1/52

All: -0.107+/-0.000 χ^2/NDF: 125105833867.1

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: 112517.2/27

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

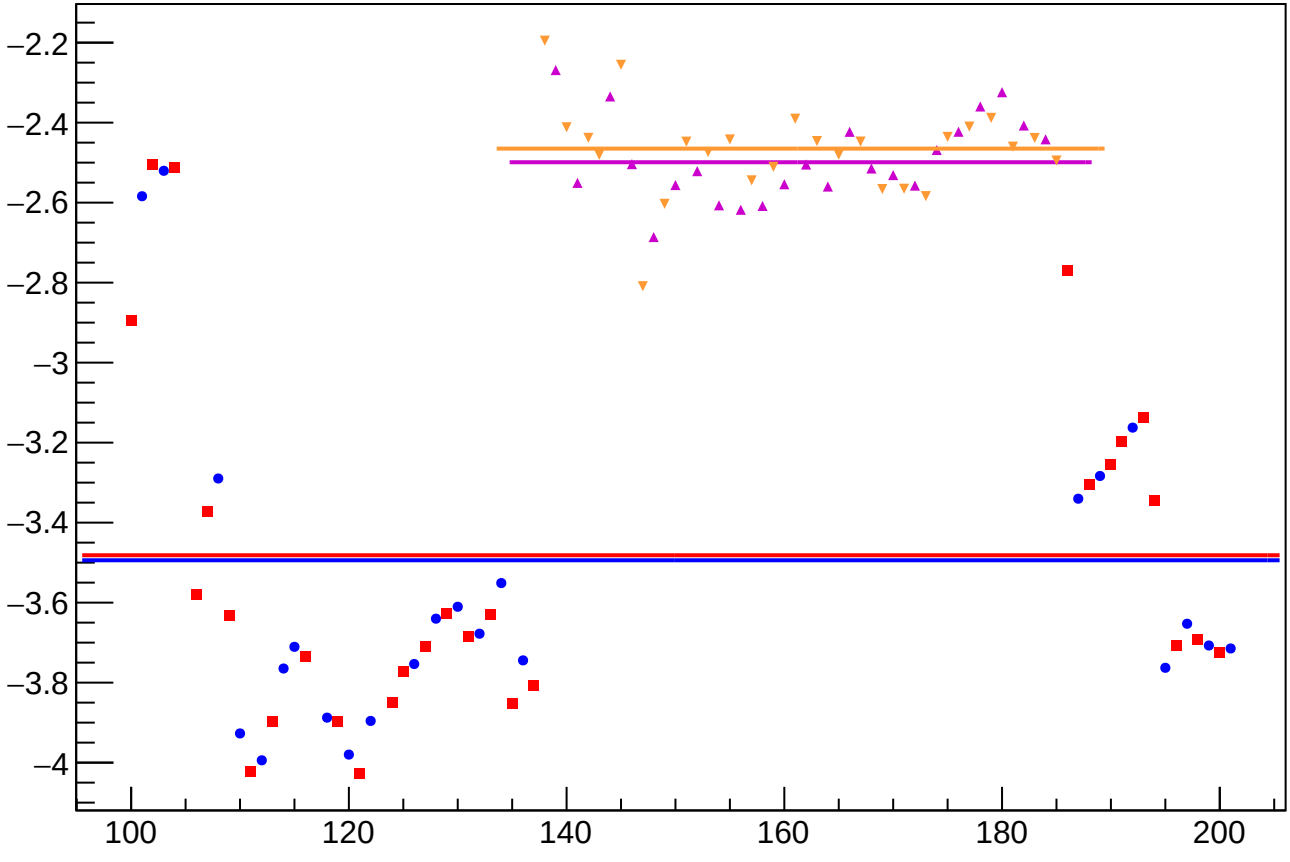
Right: 0.007+/-0.000 χ^2/NDF: 209953.3/50

In: 0.006+/-0.000 χ^2/NDF:971330.5/45

Out: 0.006+/-0.000 χ^2/NDF:923554.6/52

All: 0.006+/-0.000 χ^2/NDF: 1895218.7/98

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.494+/-0.000 χ^2/NDF: 31798825369.8/22

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.482+/-0.000 χ^2/NDF: 33601875064.2/27

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

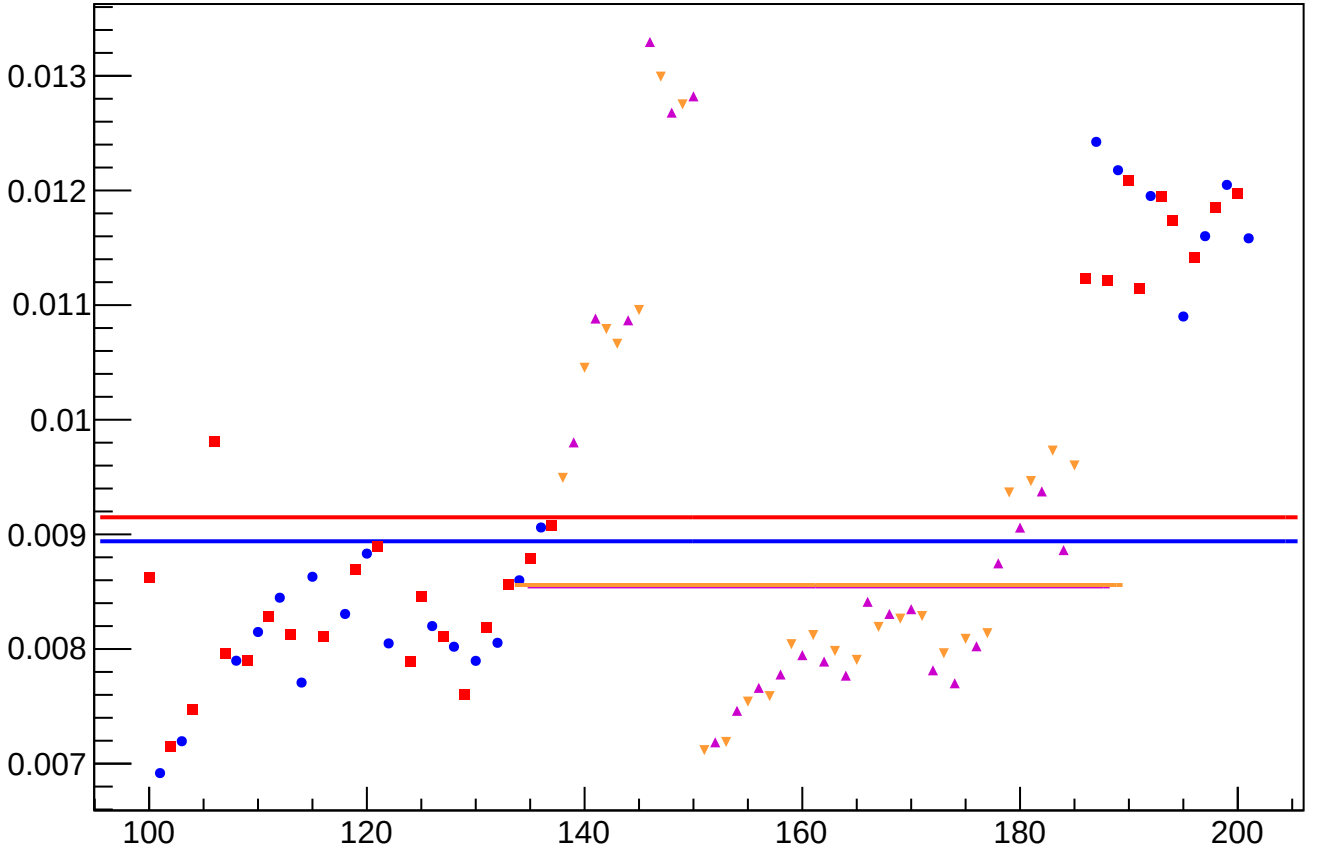
Right: -3.488+/-0.000 χ^2/NDF: 65412462391.4/50

In: -2.880+/-0.000 χ^2/NDF:122869318839.0/45

Out: -2.854+/-0.000 χ^2/NDF:133398843280.8/52

All: -2.867+/-0.000 χ^2/NDF: 256403561868.

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: 866714.1/27

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

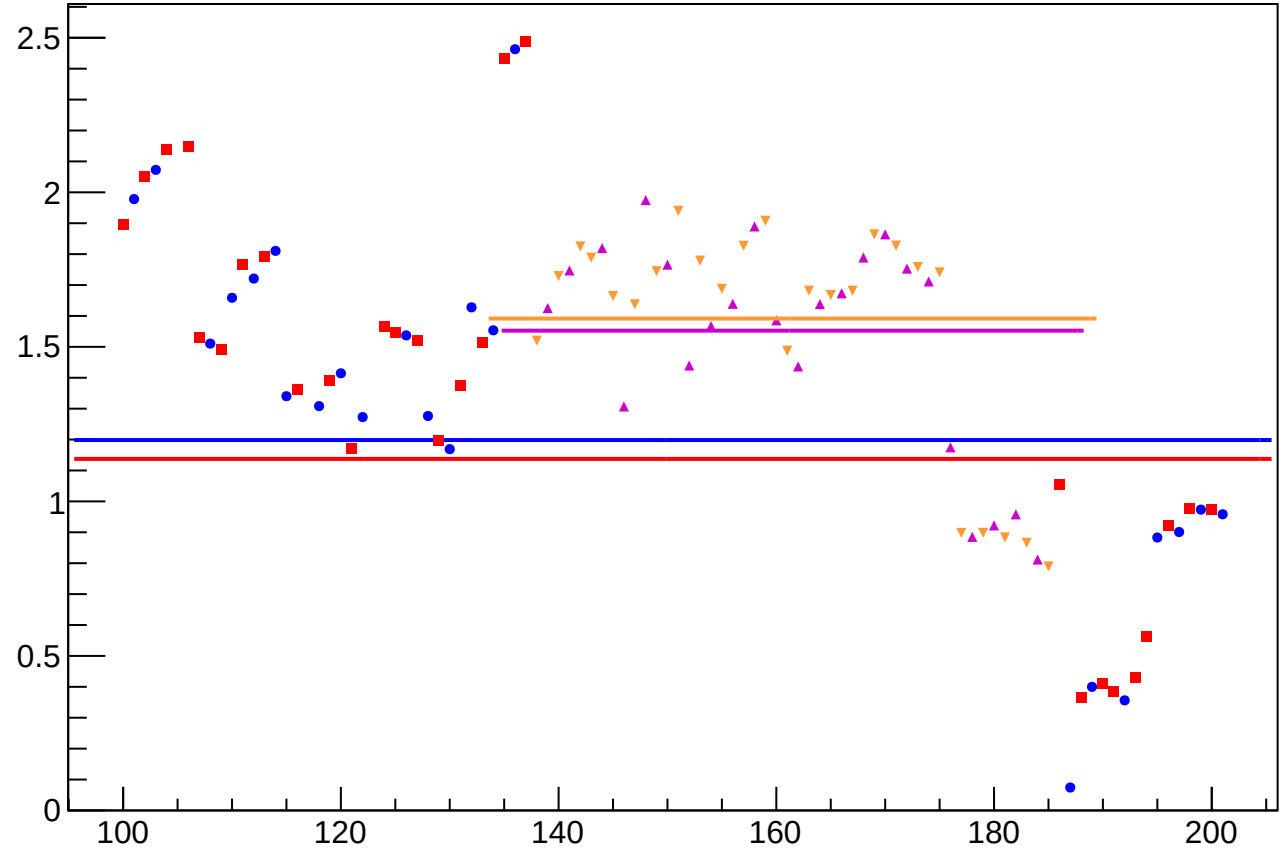
Right: 0.009+/-0.000 χ^2/NDF: 1710106.3/50

In: 0.009+/-0.000 χ^2/NDF:1775469.5/45

Out: 0.009+/-0.000 χ^2/NDF:1756667.3/52

All: 0.009+/-0.000 χ^2/NDF: 3535117.9/98

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: 1.137+/-0.000 χ^2/NDF: 34093878267.8/27

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

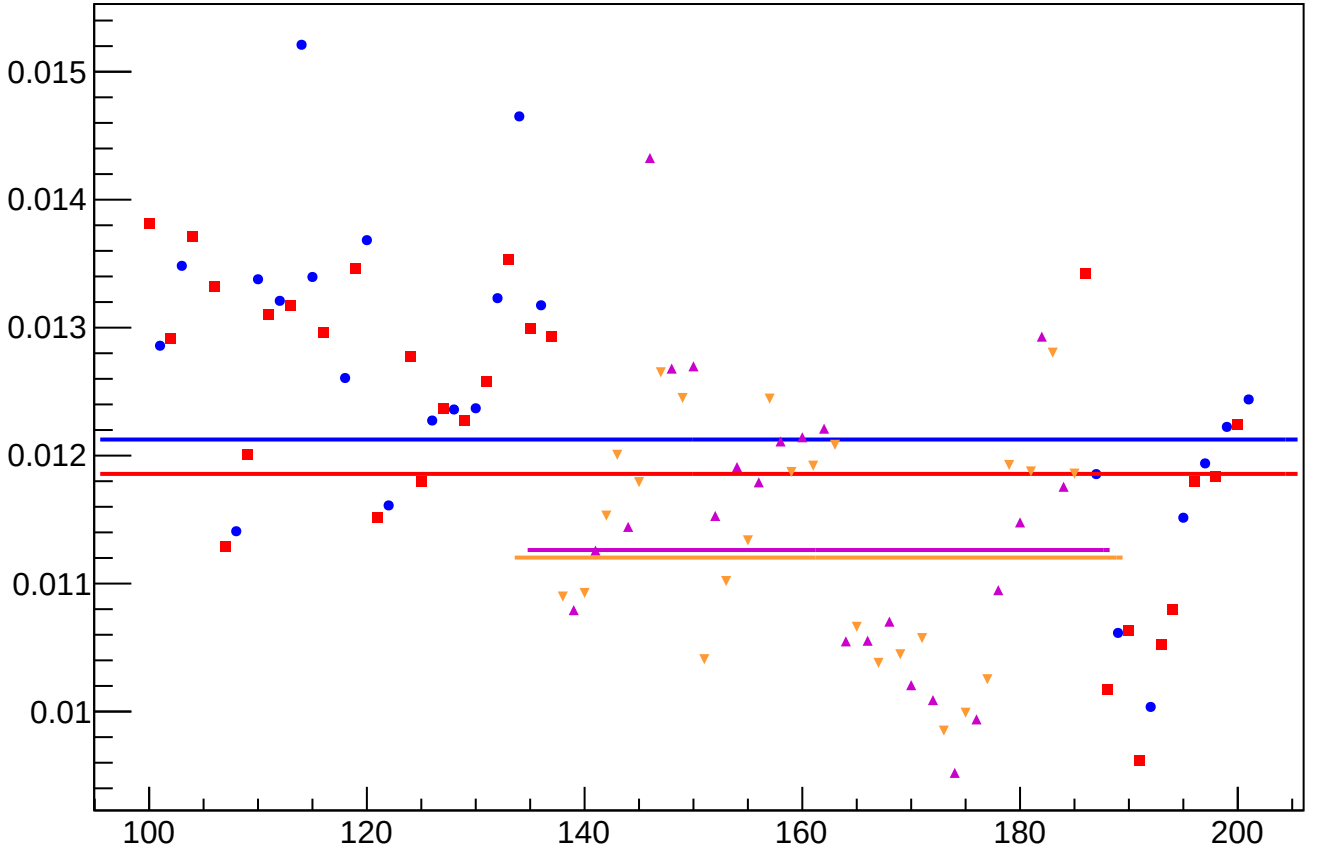
Right: 1.166+/-0.000 χ^2/NDF: 62987492608.2/50

In: 1.420+/-0.000 χ^2/NDF:49185380693.7/45

Out: 1.414+/-0.000 χ^2/NDF:63001170247.1/52

All: 1.417+/-0.000 χ^2/NDF: 112190190044.9

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: 246848.9/27

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

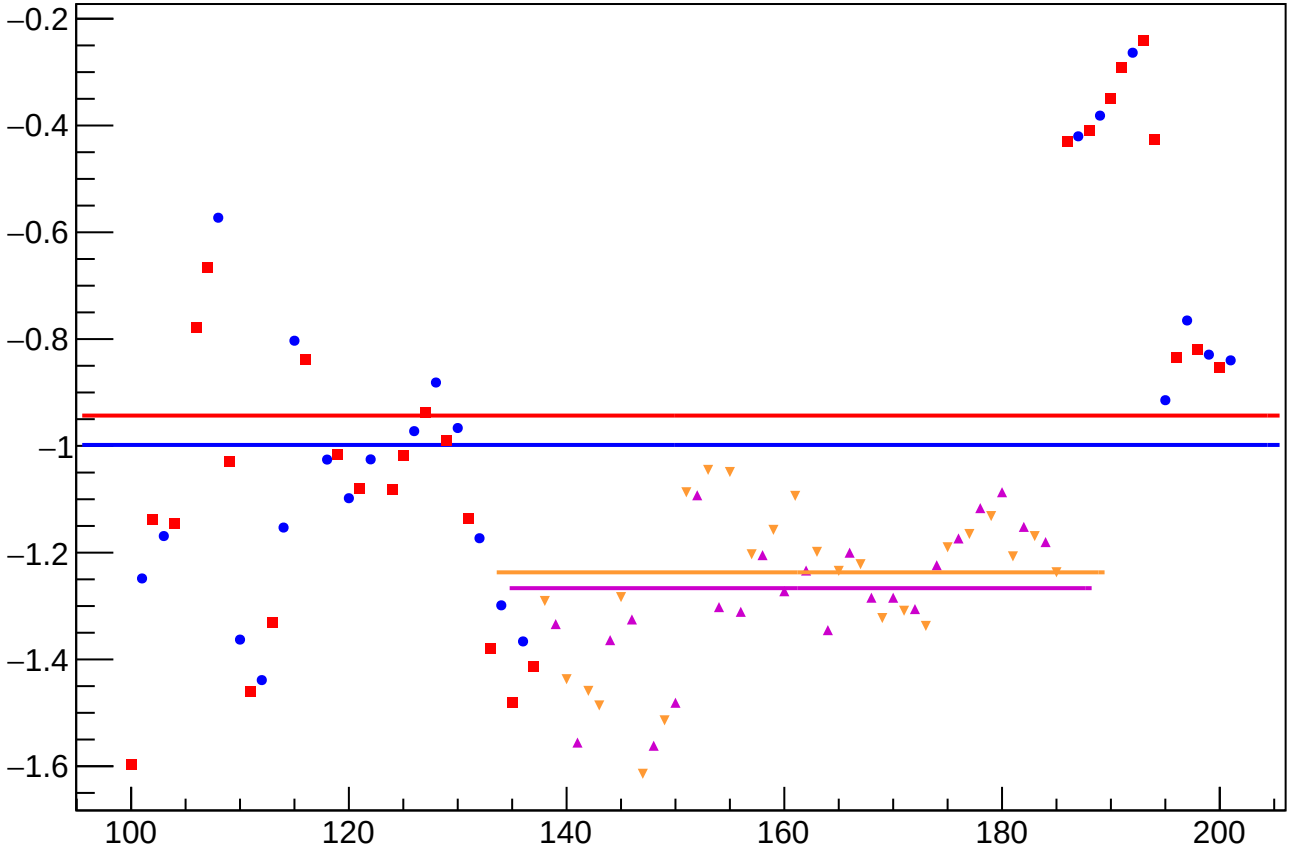
Right: 0.012+/-0.000 χ^2/NDF: 459420.3/50

In: 0.012+/-0.000 χ^2/NDF:594074.7/45

Out: 0.011+/-0.000 χ^2/NDF:519495.1/52

All: 0.012+/-0.000 χ^2/NDF: 1117258.1/98

yield_bpm0i02aY_mean vs Slug, Sign Corrected



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: -0.943+/-0.000 χ^2/NDF: 16556778016.0/27

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

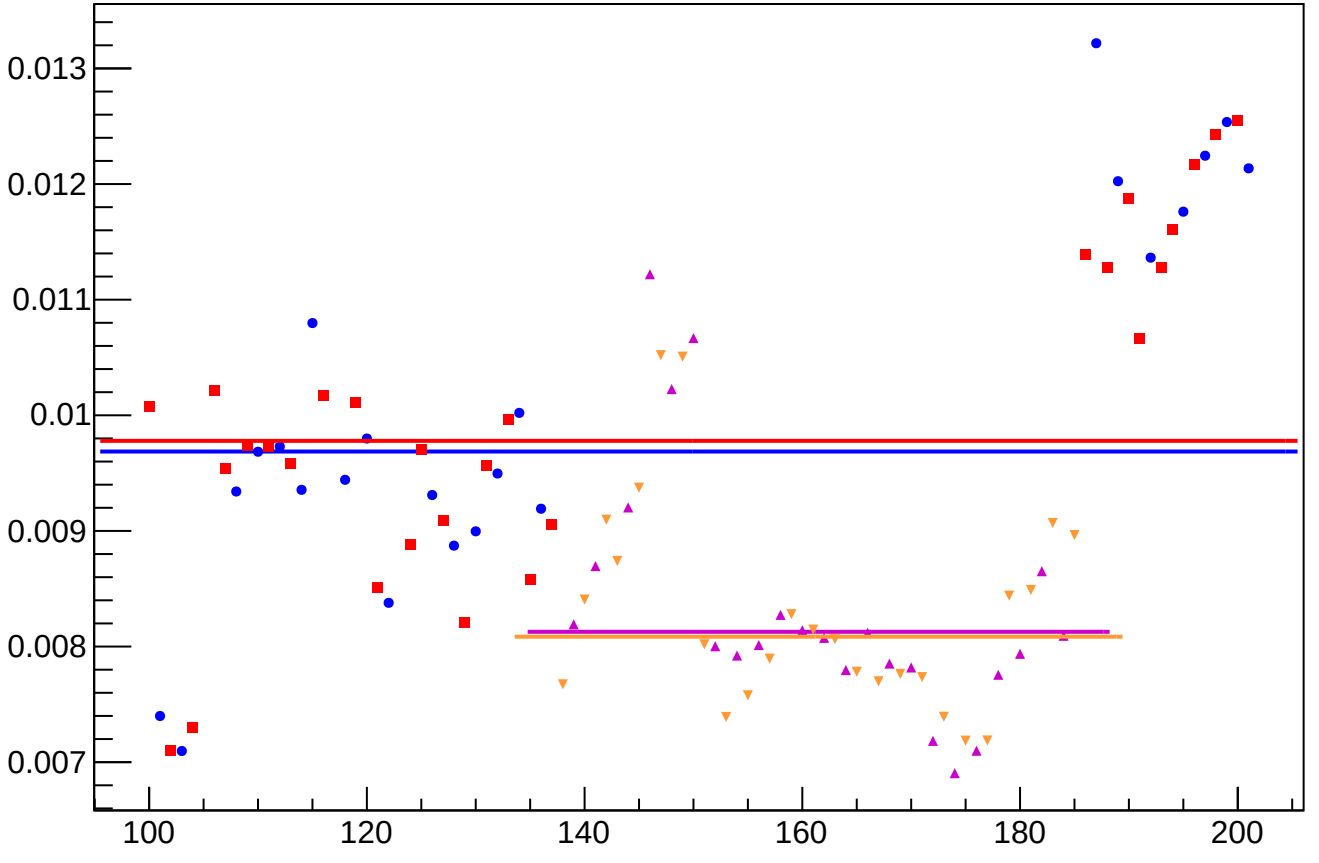
Right: -0.970+/-0.000 χ^2/NDF: 28380560451.2/50

In: -1.180+/-0.000 χ^2/NDF:21312000422.1/45

Out: -1.141+/-0.000 χ^2/NDF:29276555042.2/52

All: -1.160+/-0.000 χ^2/NDF: 50884687000.7/

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: 736990.6/27

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

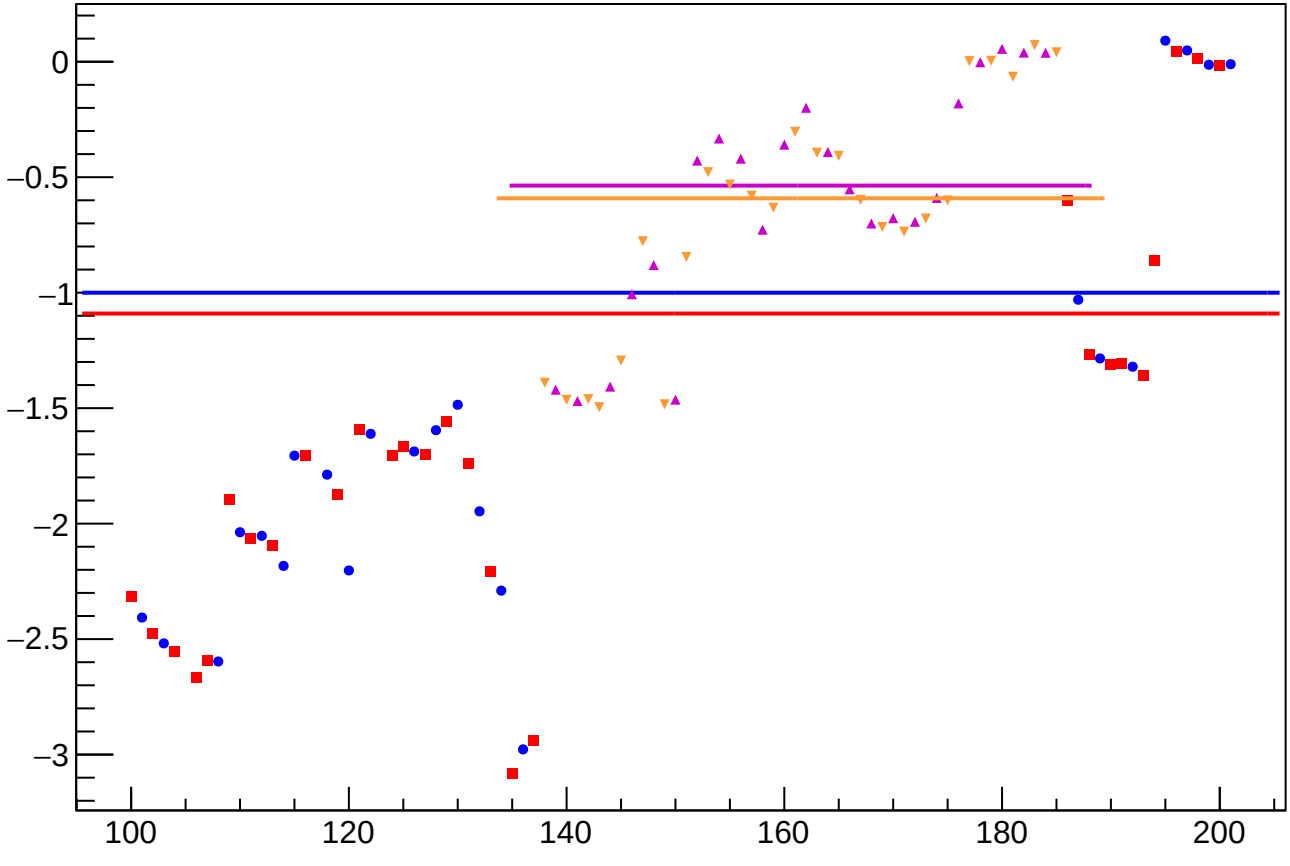
Right: 0.010+/-0.000 χ^2/NDF: 1440221.3/50

In: 0.009+/-0.000 χ^2/NDF:1517040.0/45

Out: 0.009+/-0.000 χ^2/NDF:1579399.8/52

All: 0.009+/-0.000 χ^2/NDF: 3096454.5/98

yield_bpm0i05X_mean vs Slug, Sign Corrected



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: -1.090+/-0.000 χ^2/NDF: 290949511247.0/27

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

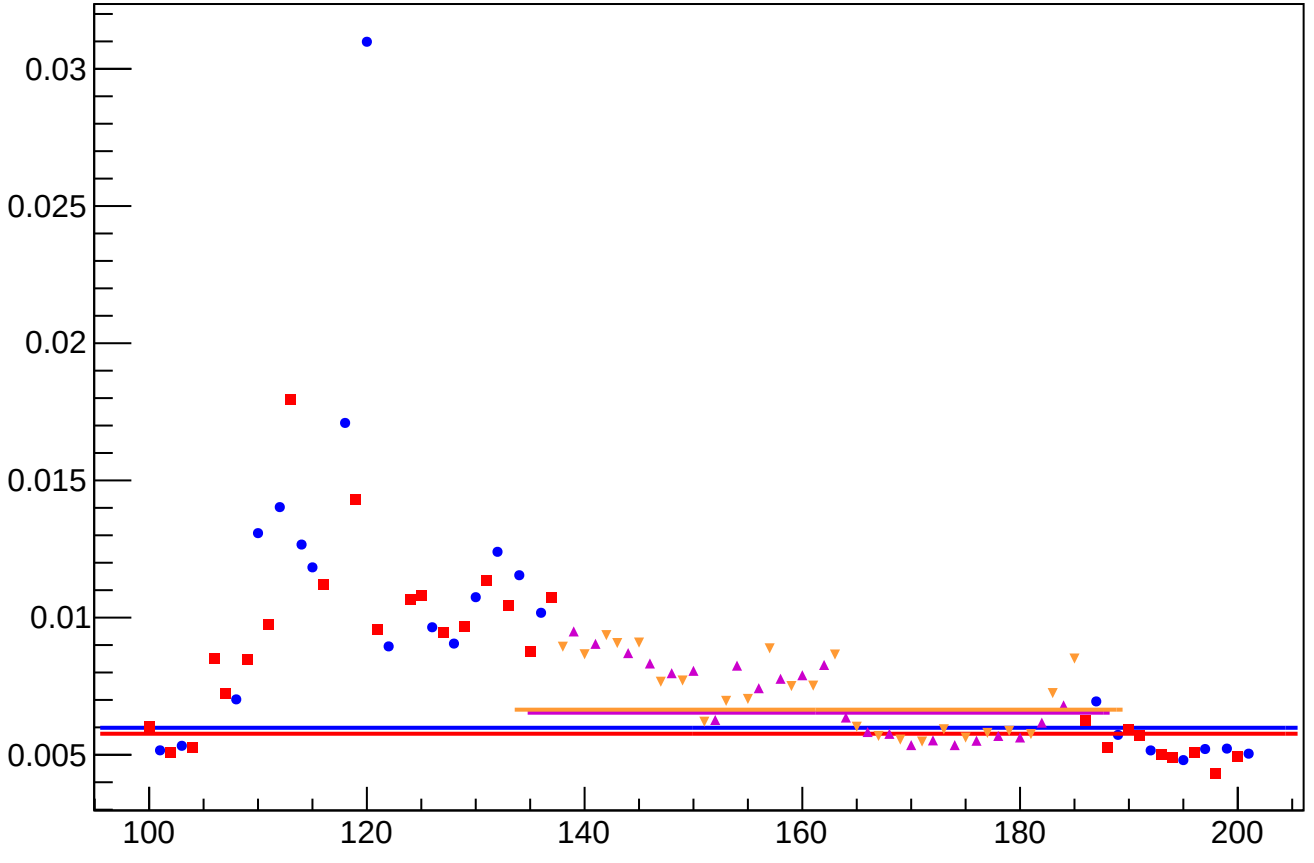
Right: -1.050+/-0.000 χ^2/NDF: 589379859907.2/50

In: -0.729+/-0.000 χ^2/NDF:400591479865.6/45

Out: -0.822+/-0.000 χ^2/NDF:407286837827.1/52

All: -0.778+/-0.000 χ^2/NDF: 810750530446.2

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: 2344193.6/27

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

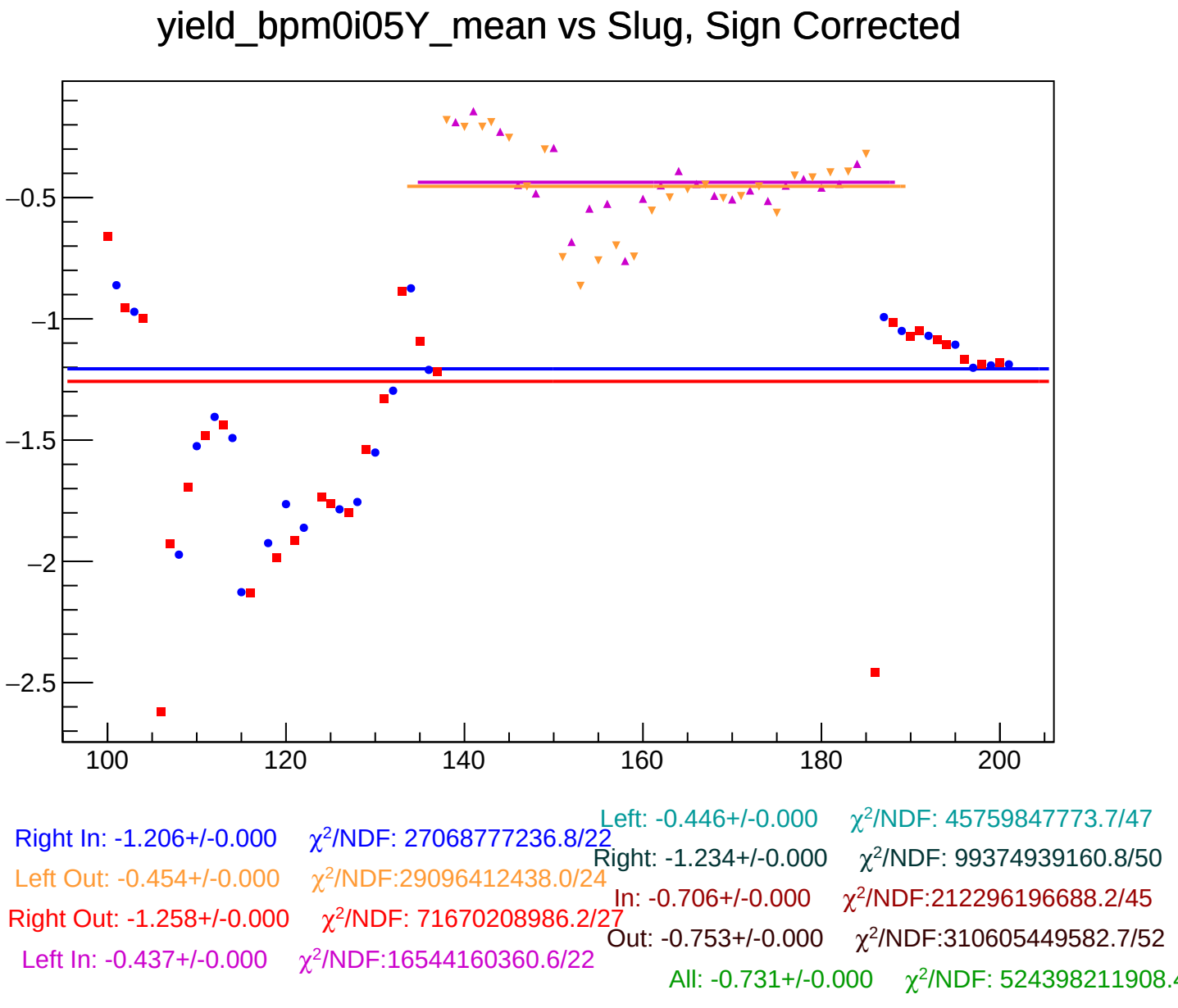
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4817281.4/50

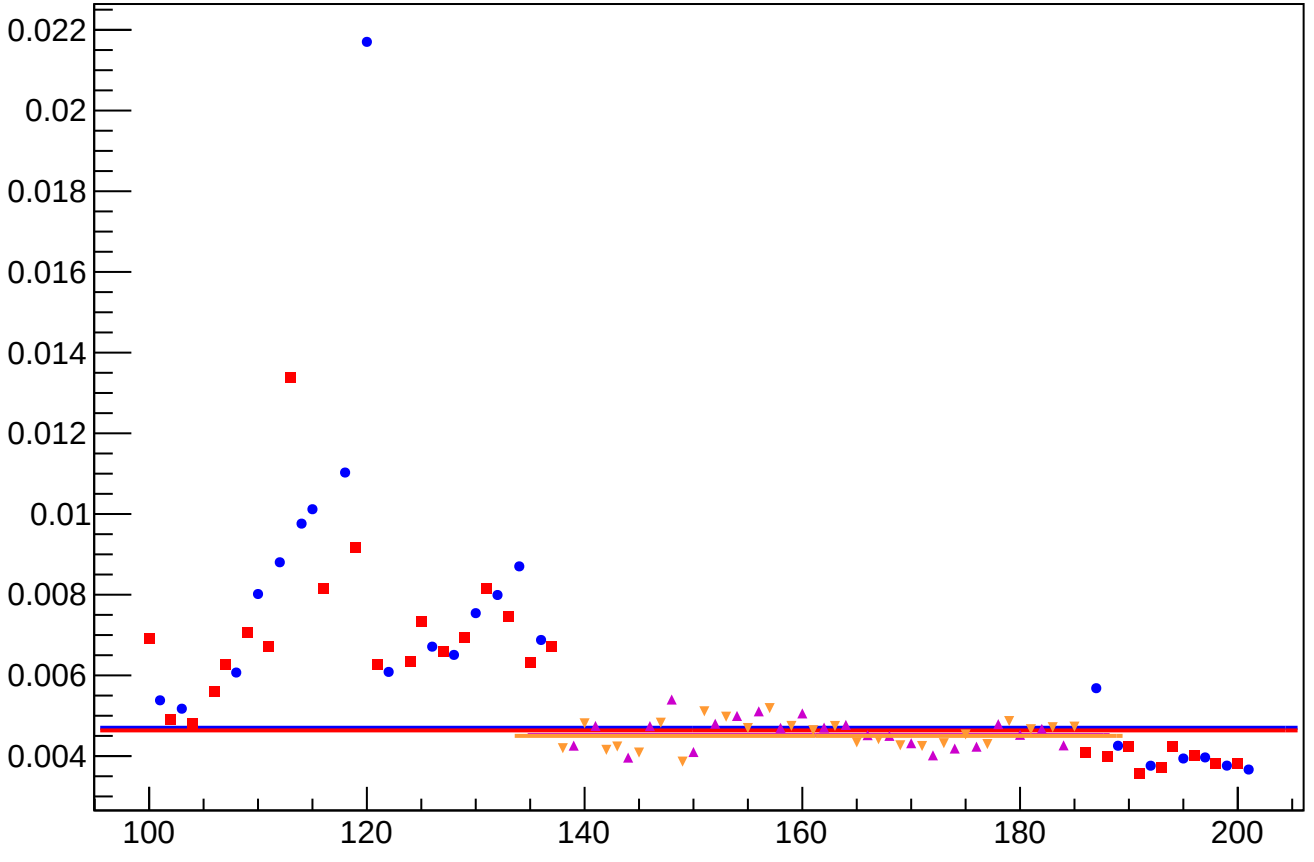
In: 0.006+/-0.000 χ^2/NDF:3703669.9/45

Out: 0.006+/-0.000 χ^2/NDF:3705902.5/52

All: 0.006+/-0.000 χ^2/NDF: 7412544.3/98


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.206+/-0.000 χ²/NDF: 27068777236.8/22
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.258+/-0.000 χ²/NDF: 71670208986.2/27
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.234+/-0.000 χ²/NDF: 99374939160.8/50
In: -0.706+/-0.000 χ²/NDF:212296196688.2/45
Out: -0.753+/-0.000 χ²/NDF:310605449582.7/52
All: -0.731+/-0.000 χ²/NDF: 524398211908.4

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: 1810259.2/27

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

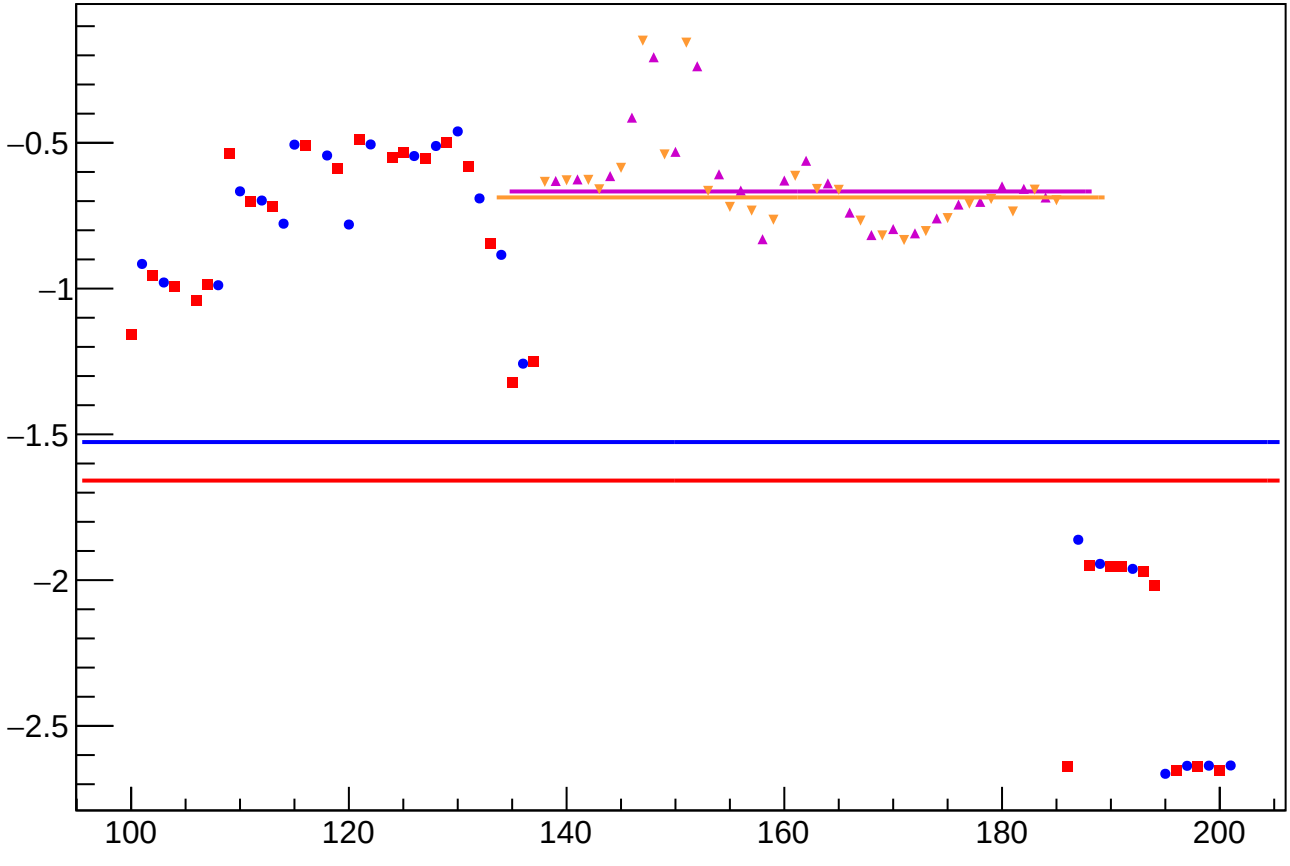
Right: 0.005+/-0.000 χ^2/NDF: 3944837.1/50

In: 0.005+/-0.000 χ^2/NDF:2363383.2/45

Out: 0.005+/-0.000 χ^2/NDF:2011454.6/52

All: 0.005+/-0.000 χ^2/NDF: 4376214.2/98

yield_bpm0i07X_mean vs Slug, Sign Corrected



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: -1.659+/-0.000 χ^2/NDF: 261565767800.3/27

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

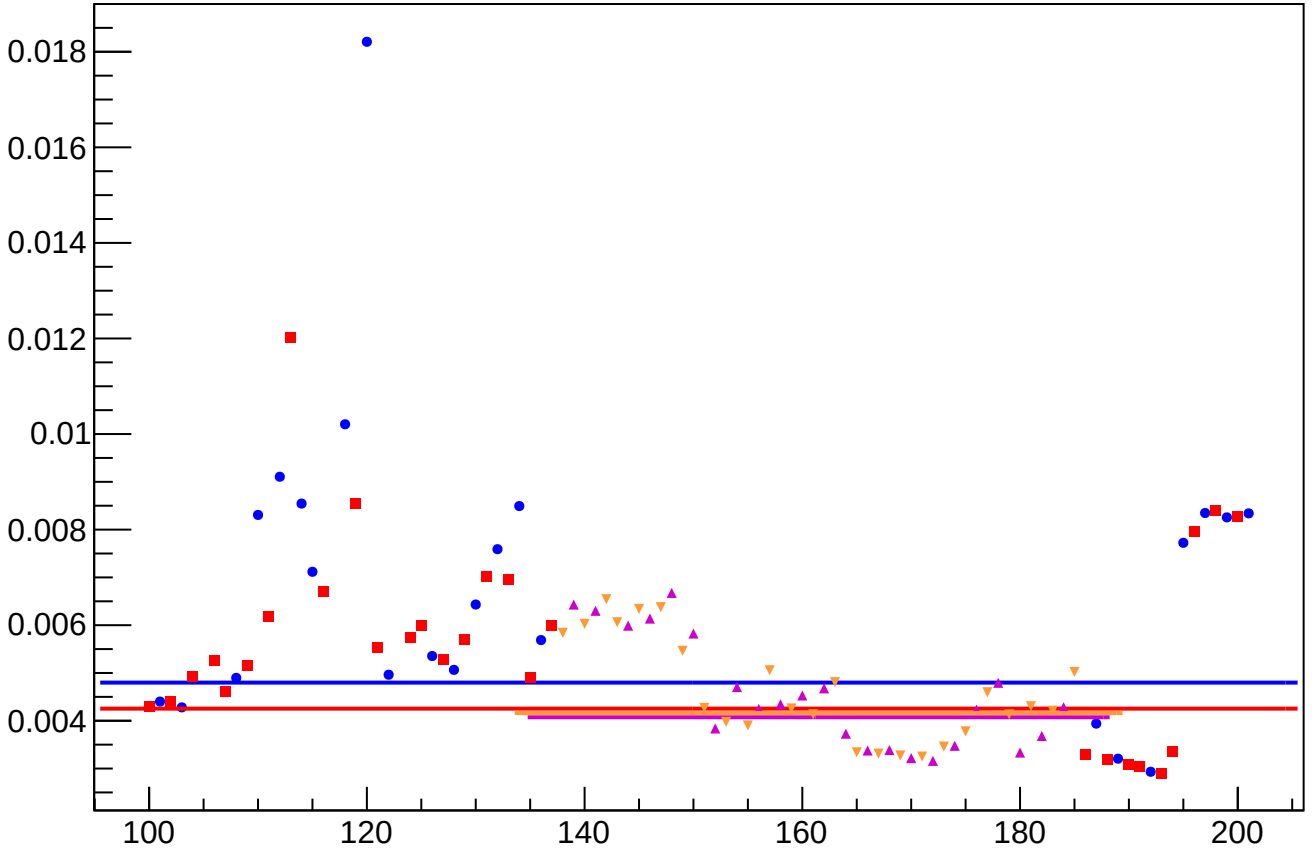
Right: -1.605+/-0.000 χ^2/NDF: 464453774025.7/50

In: -0.924+/-0.000 χ^2/NDF:431970104271.8/45

Out: -1.056+/-0.000 χ^2/NDF:629276275182.0/52

All: -0.994+/-0.000 χ^2/NDF: 1073733305032

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: 3165714.6/27

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

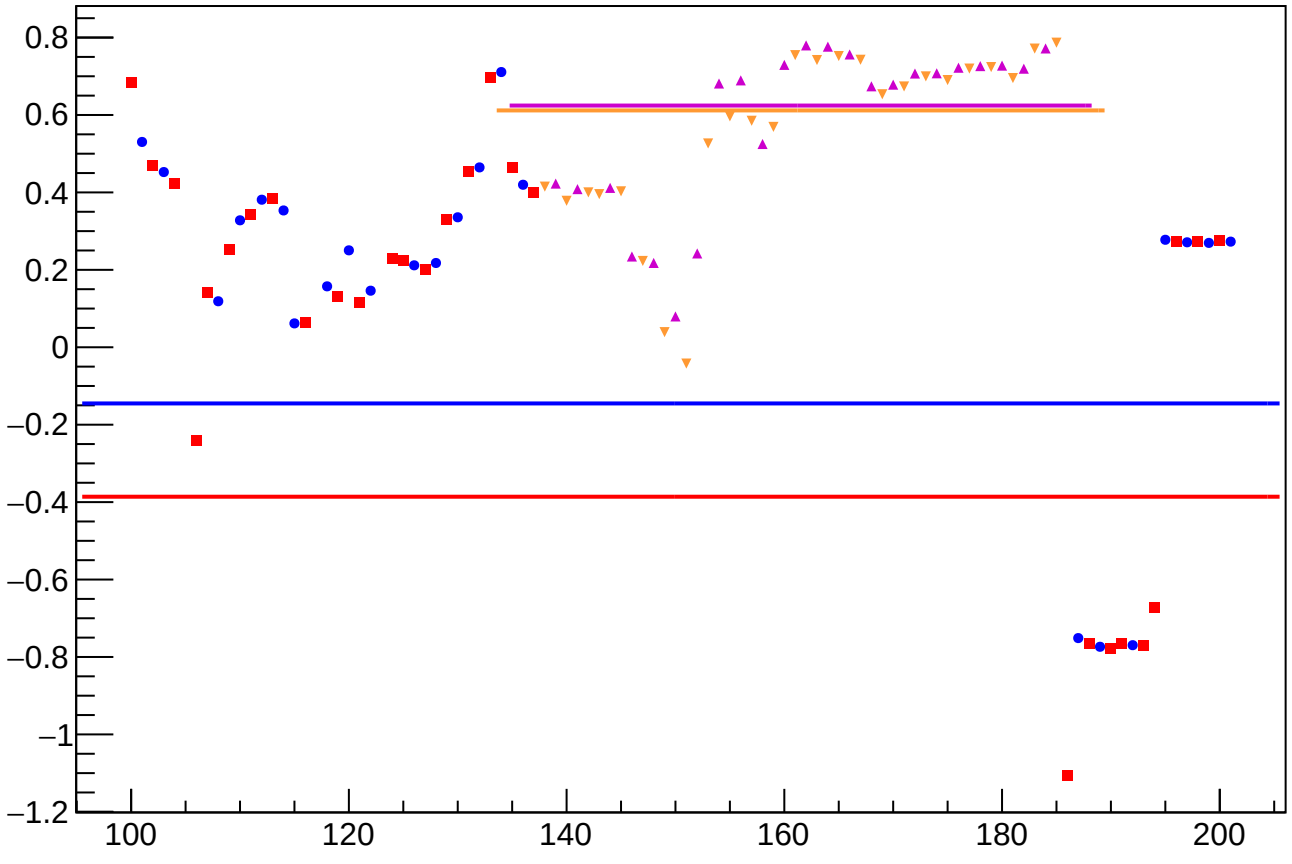
Right: 0.004+/-0.000 χ^2/NDF: 6627661.1/50

In: 0.004+/-0.000 χ^2/NDF:5369749.7/45

Out: 0.004+/-0.000 χ^2/NDF:4692129.6/52

All: 0.004+/-0.000 χ^2/NDF: 10074799.6/98

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: -0.386+/-0.000 χ^2/NDF: 437249921565.8/27

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

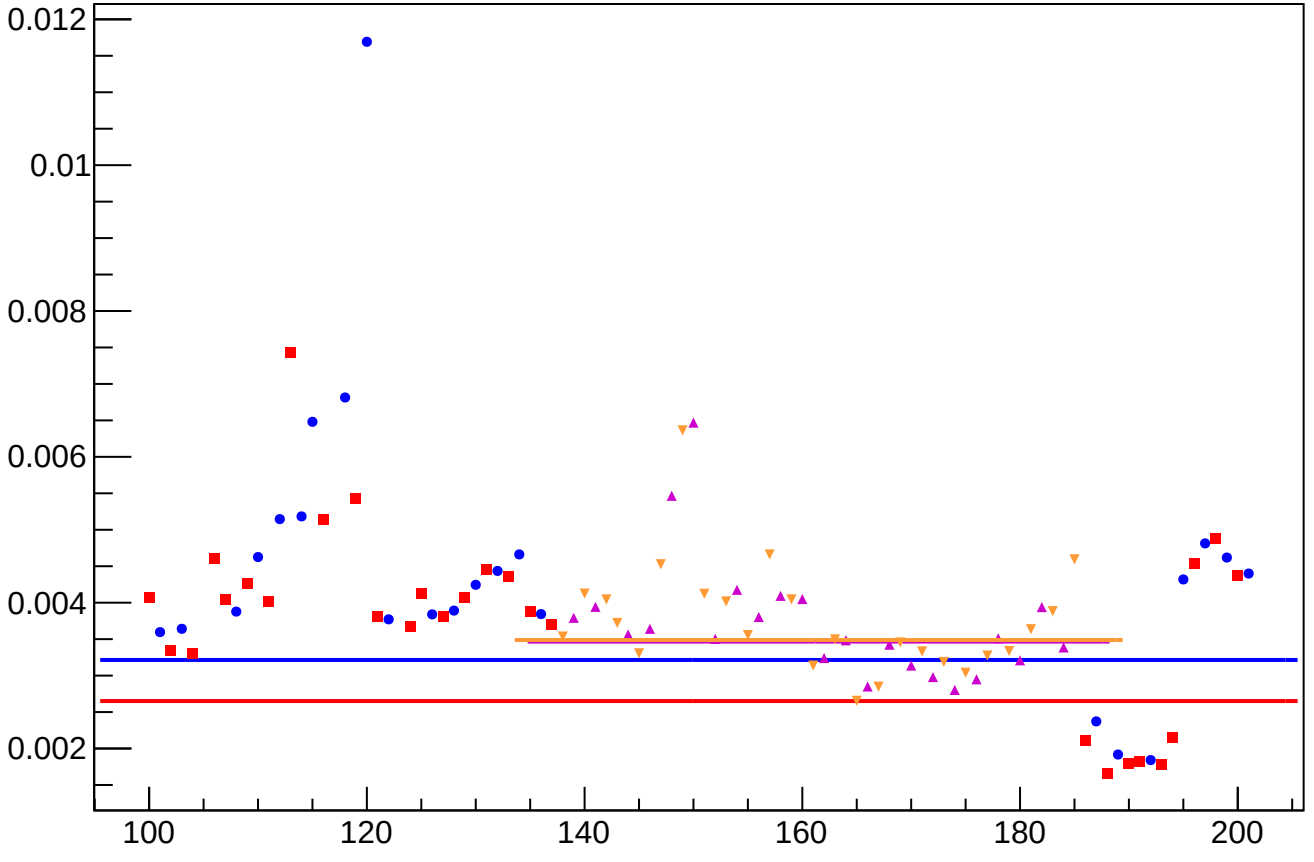
Right: -0.292+/-0.000 χ^2/NDF: 761119447015.7/50

In: 0.297+/-0.000 χ^2/NDF:650144934145.7/45

Out: 0.085+/-0.000 χ^2/NDF:1175958814199.6/52

All: 0.179+/-0.000 χ^2/NDF: 1881337708154.

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: 3942586.8/27

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

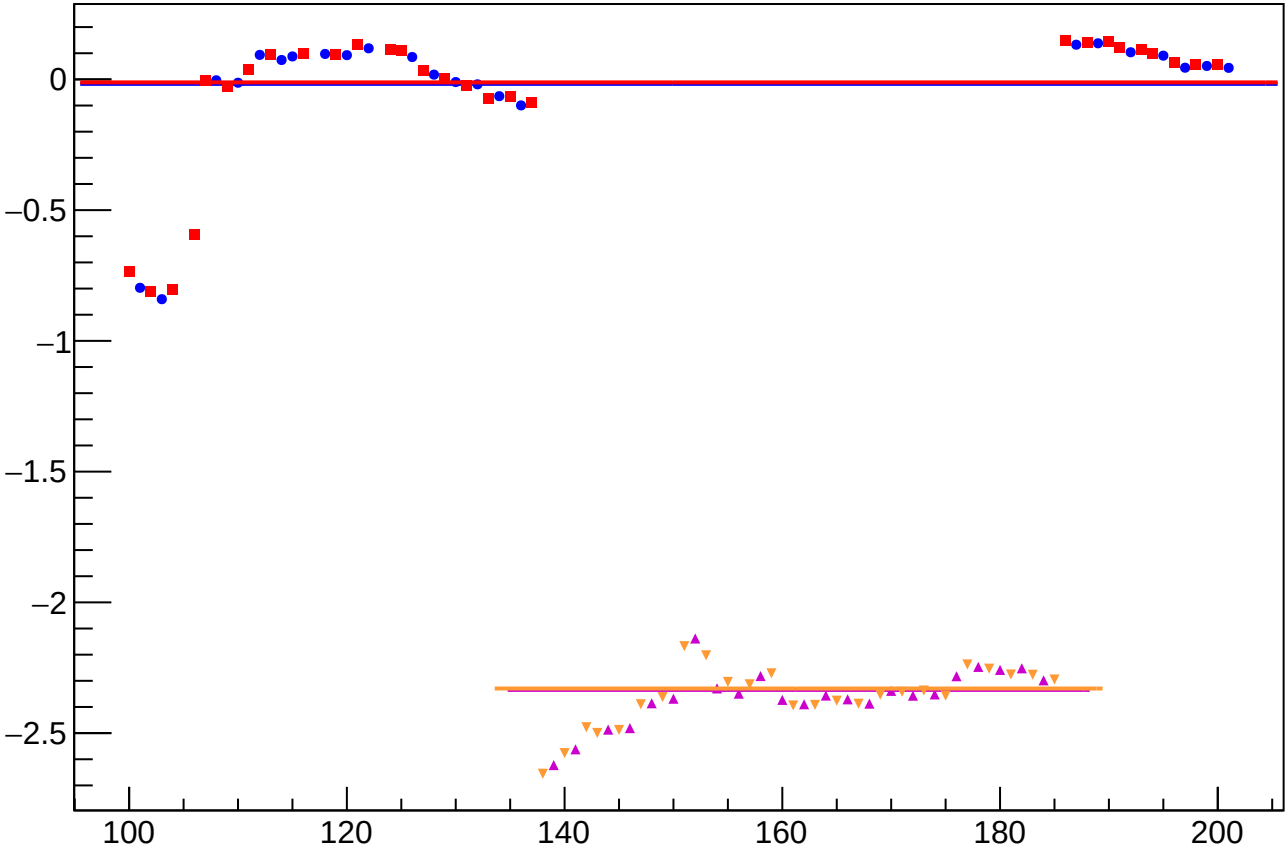
Right: 0.003+/-0.000 χ^2/NDF: 7365866.9/50

In: 0.003+/-0.000 χ^2/NDF:4021695.8/45

Out: 0.003+/-0.000 χ^2/NDF:5768531.9/52

All: 0.003+/-0.000 χ^2/NDF: 10032027.1/98

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: -0.011+/-0.000 χ^2/NDF: 7665629487.1/27

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

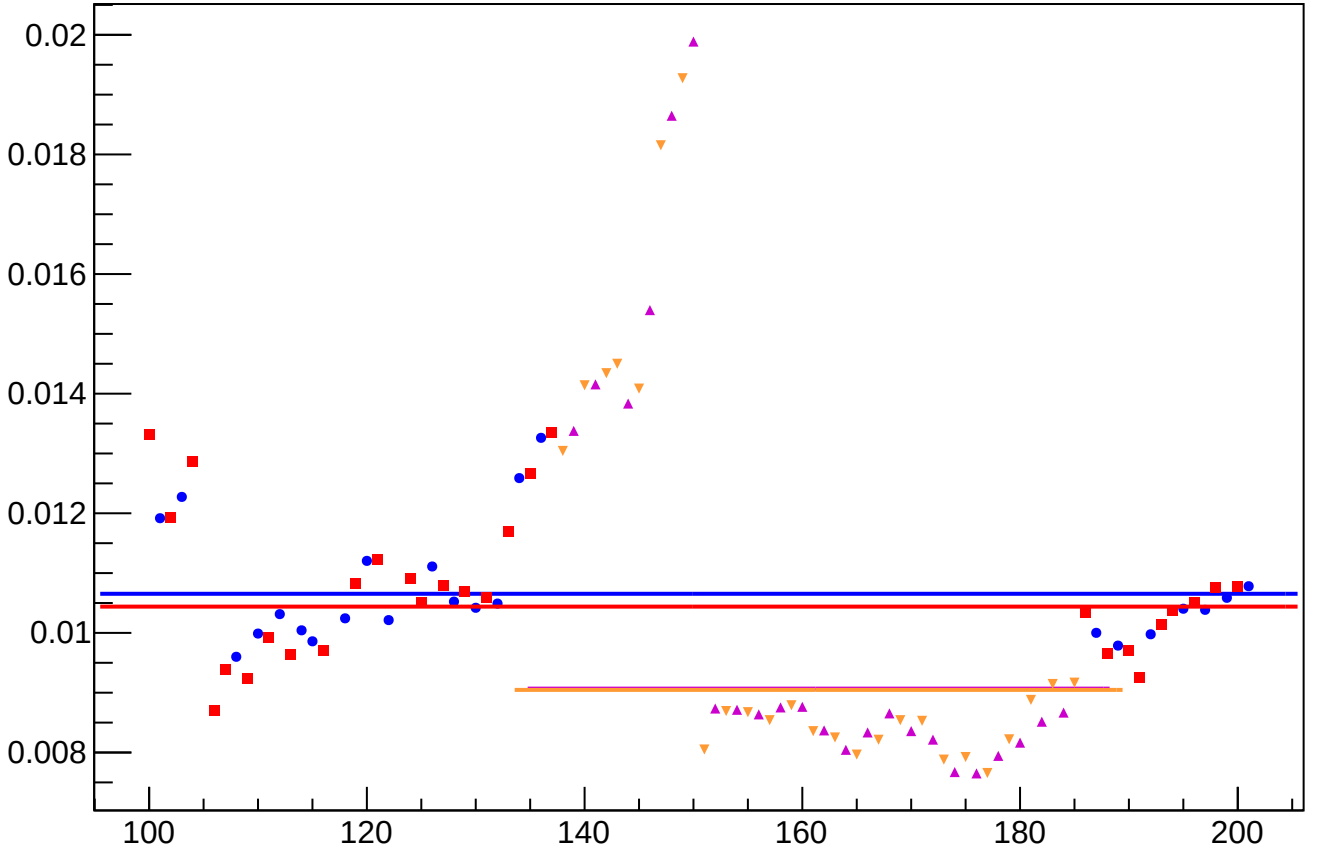
Right: -0.014+/-0.000 χ^2/NDF: 14017812092.7/50

In: -1.547+/-0.000 χ^2/NDF:388813624939.4/45

Out: -1.499+/-0.000 χ^2/NDF:437532064703.8/52

All: -1.522+/-0.000 χ^2/NDF: 826737048109.3

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: 224529.1/27

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

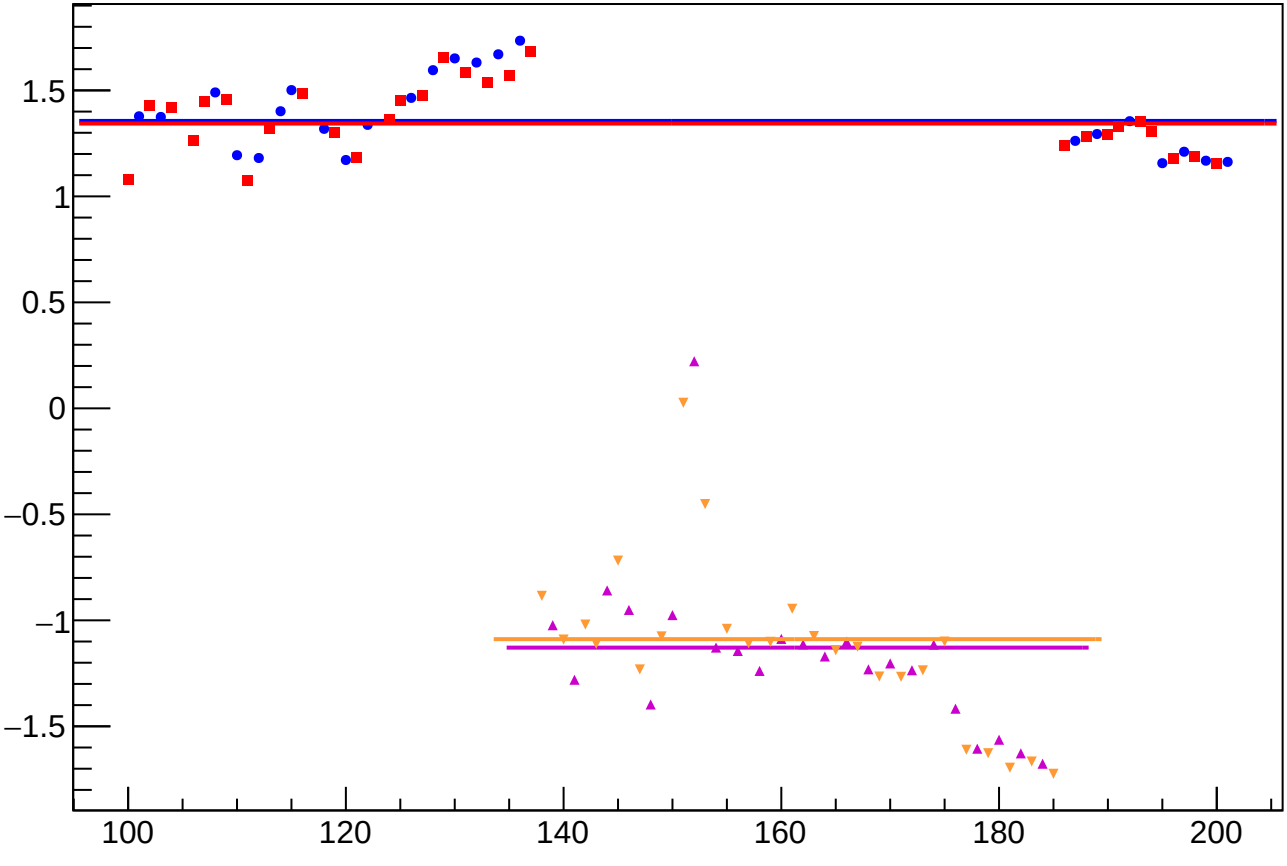
Right: 0.011+/-0.000 χ^2/NDF: 396449.5/50

In: 0.010+/-0.000 χ^2/NDF:2657422.0/45

Out: 0.010+/-0.000 χ^2/NDF:2582083.7/52

All: 0.010+/-0.000 χ^2/NDF: 5240730.1/98

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: 1.344+/-0.000 χ^2/NDF: 4923585392.8/27

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

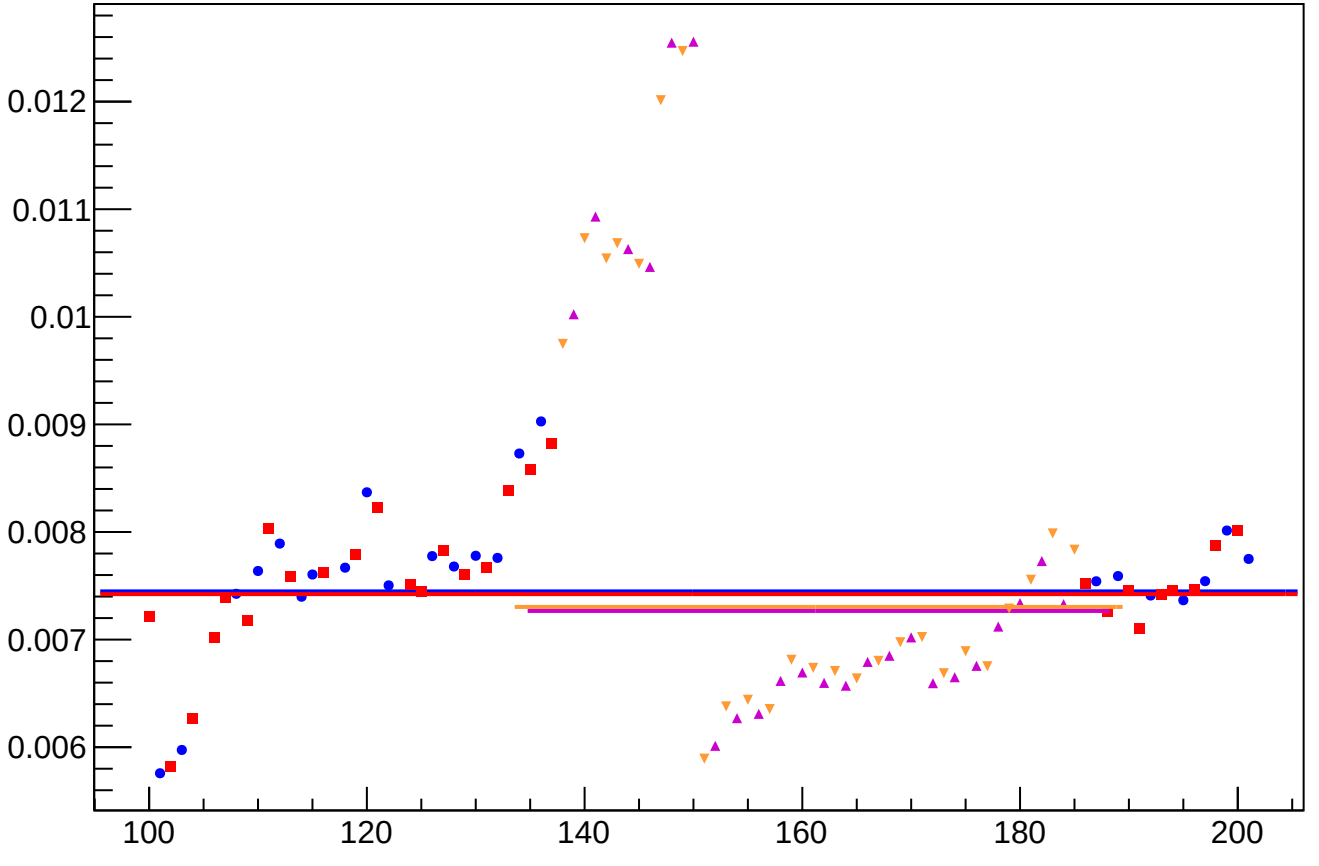
Right: 1.349+/-0.000 χ^2/NDF: 11657178970.1/50

In: -0.141+/-0.000 χ^2/NDF:877799011191.0/45

Out: -0.080+/-0.000 χ^2/NDF:915953184055.9/52

All: -0.109+/-0.000 χ^2/NDF: 1794799974171

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: 214640.5/27

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

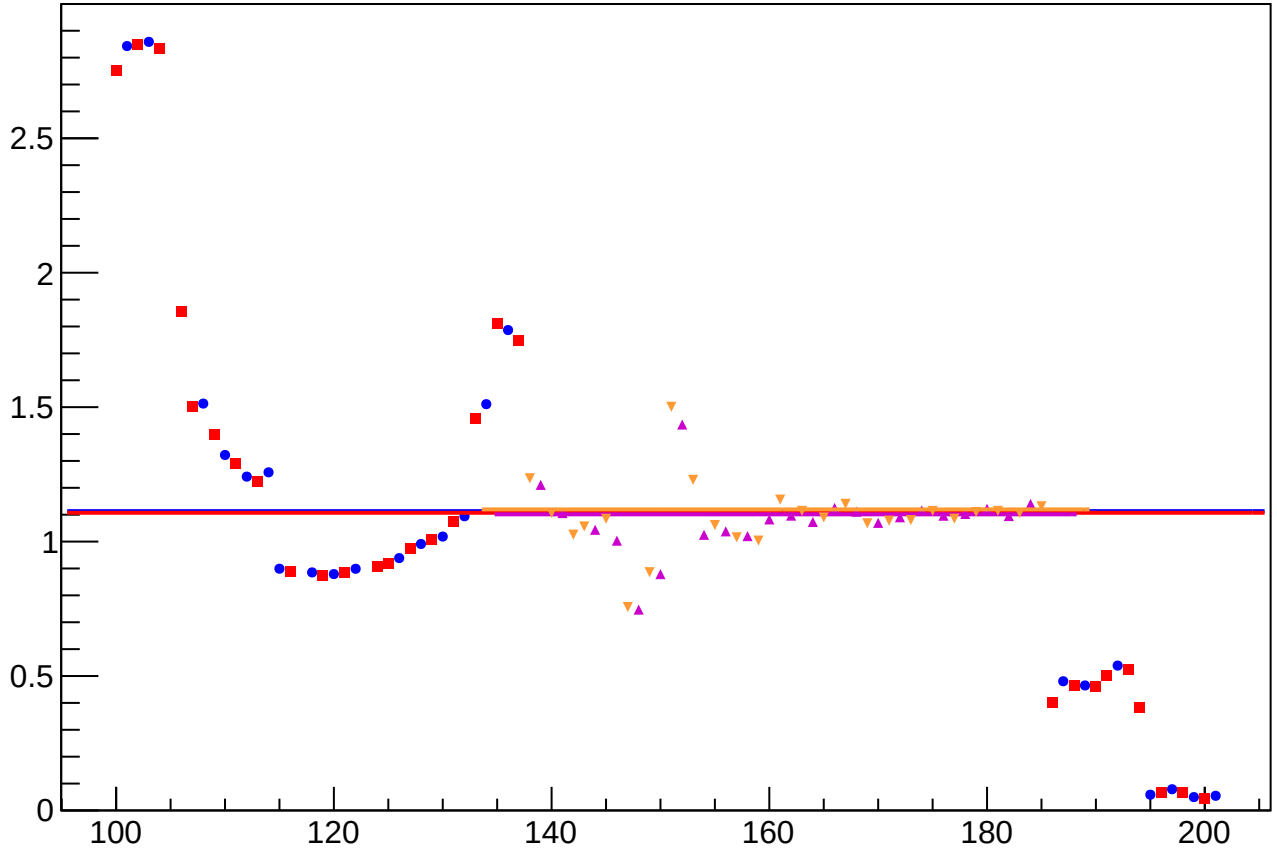
Right: 0.007+/-0.000 χ^2/NDF: 500450.5/50

In: 0.007+/-0.000 χ^2/NDF:1854431.0/45

Out: 0.007+/-0.000 χ^2/NDF:1722812.8/52

All: 0.007+/-0.000 χ^2/NDF: 3577362.1/98

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: 1.107+/-0.000 χ^2/NDF: 107927322709.0/27

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

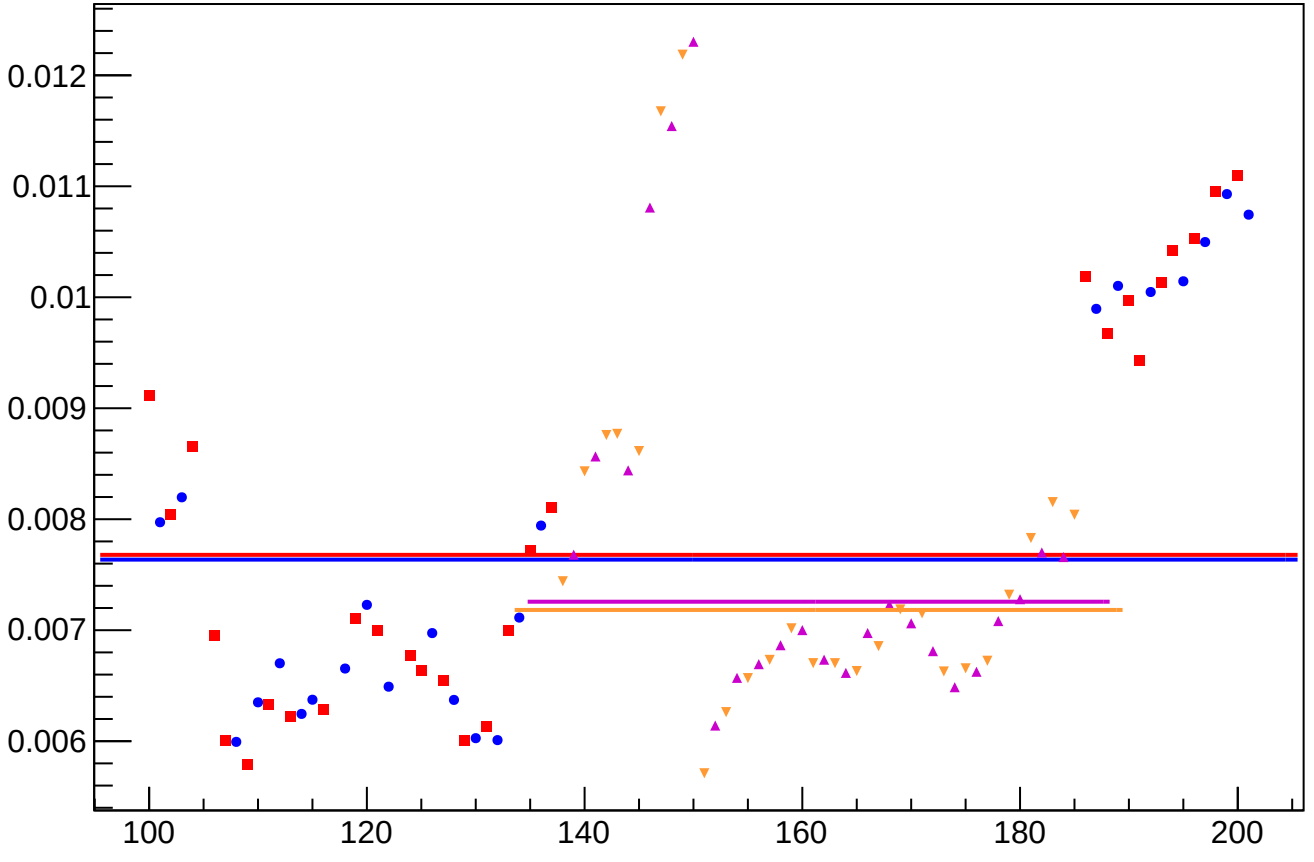
Right: 1.110+/-0.000 χ^2/NDF: 218056172930.4/50

In: 1.106+/-0.000 χ^2/NDF:114344821961.4/45

Out: 1.115+/-0.000 χ^2/NDF:113463389521.0/52

All: 1.111+/-0.000 χ^2/NDF: 227831143190.4

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: 1325049.6/27

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

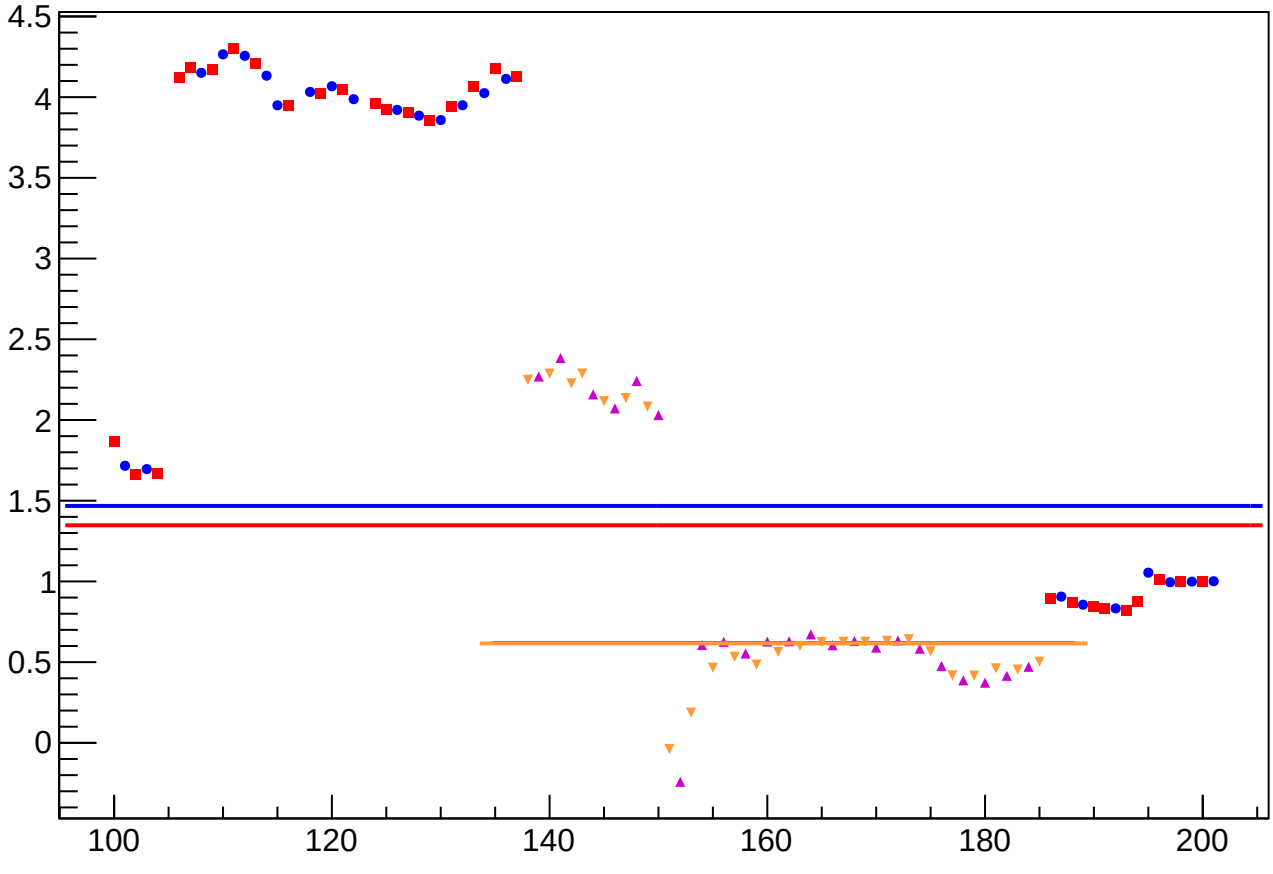
Right: 0.008+/-0.000 χ^2/NDF: 2429777.3/50

In: 0.007+/-0.000 χ^2/NDF:2057108.2/45

Out: 0.007+/-0.000 χ^2/NDF:2285984.2/52

All: 0.007+/-0.000 χ^2/NDF: 4343530.4/98

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: 1.348+/-0.000 χ^2/NDF: 1713254379579.9/27

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

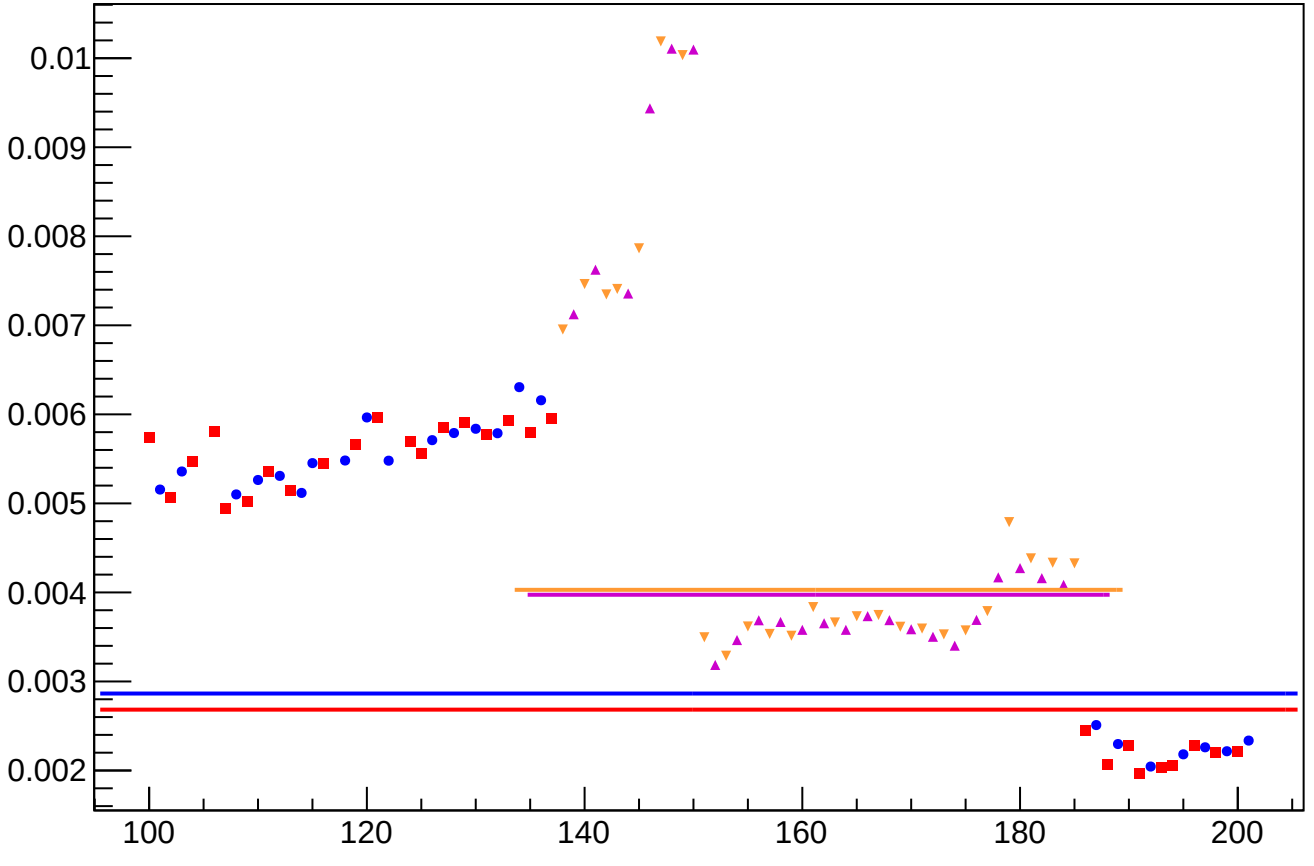
Right: 1.401+/-0.000 χ^2/NDF: 3222429115522.1/50

In: 1.074+/-0.000 χ^2/NDF:2151151458902.1/45

Out: 1.046+/-0.000 χ^2/NDF:2297359064196.0/52

All: 1.059+/-0.000 χ^2/NDF: 4449432214417.

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: 4663532.9/27

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

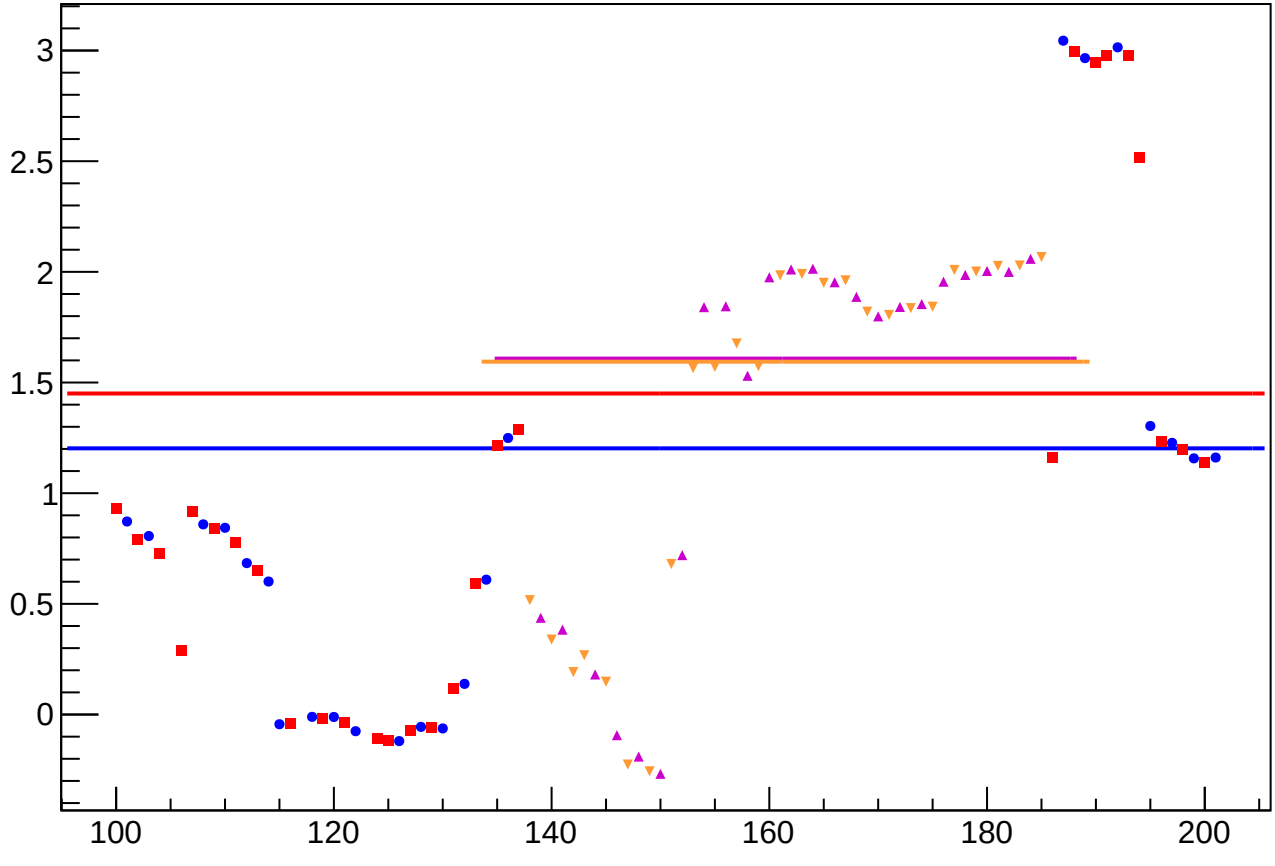
Right: 0.003+/-0.000 χ^2/NDF: 8992420.3/50

In: 0.003+/-0.000 χ^2/NDF:8762864.3/45

Out: 0.003+/-0.000 χ^2/NDF:9875901.1/52

All: 0.003+/-0.000 χ^2/NDF: 18685482.1/98

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: 1.450+/-0.000 χ^2/NDF: 103858104239.7/27

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

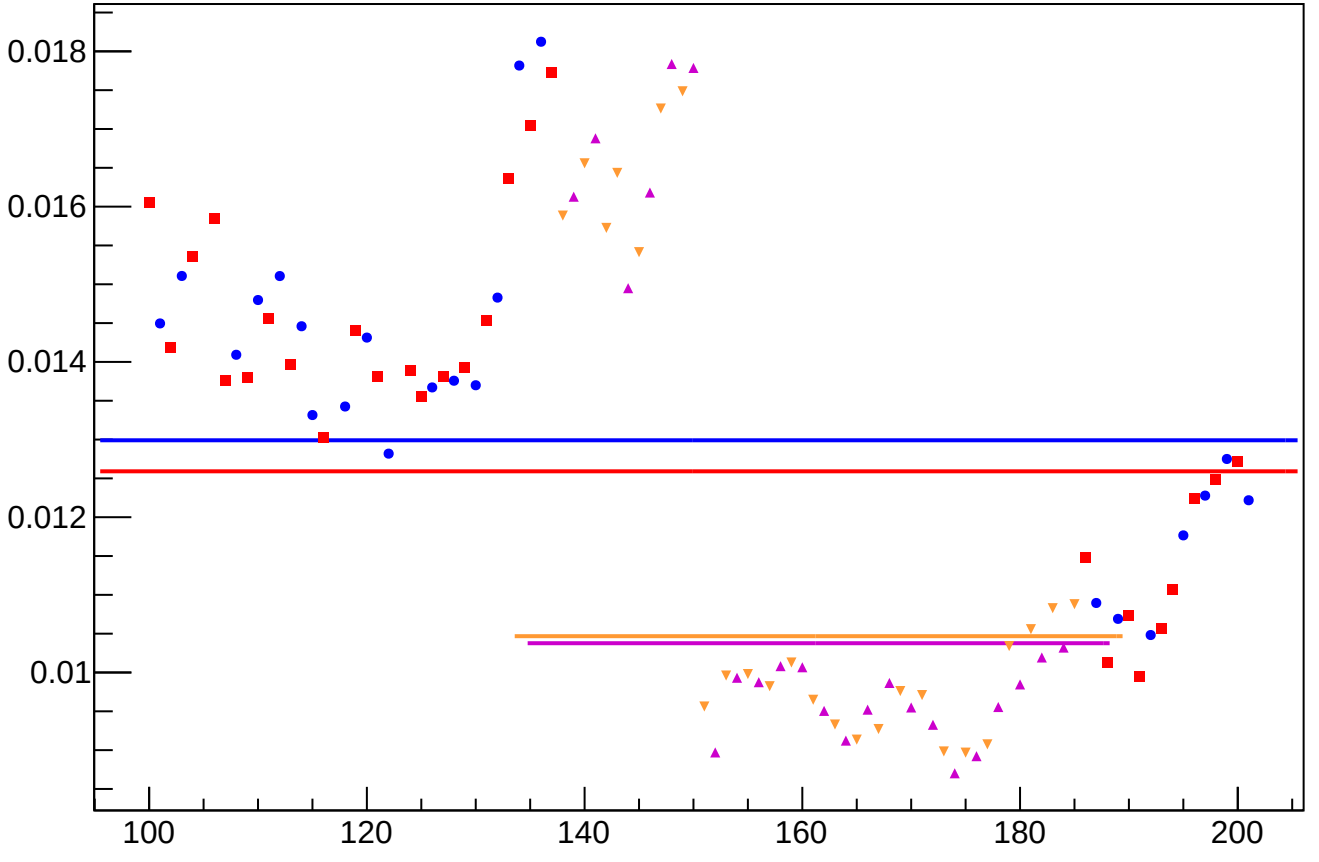
Right: 1.336+/-0.000 χ^2/NDF: 183684711765.8/50

In: 1.484+/-0.000 χ^2/NDF:151959661660.1/45

Out: 1.546+/-0.000 χ^2/NDF:167636121290.2/52

All: 1.516+/-0.000 χ^2/NDF: 320064142624.7

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: 589351.2/27

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

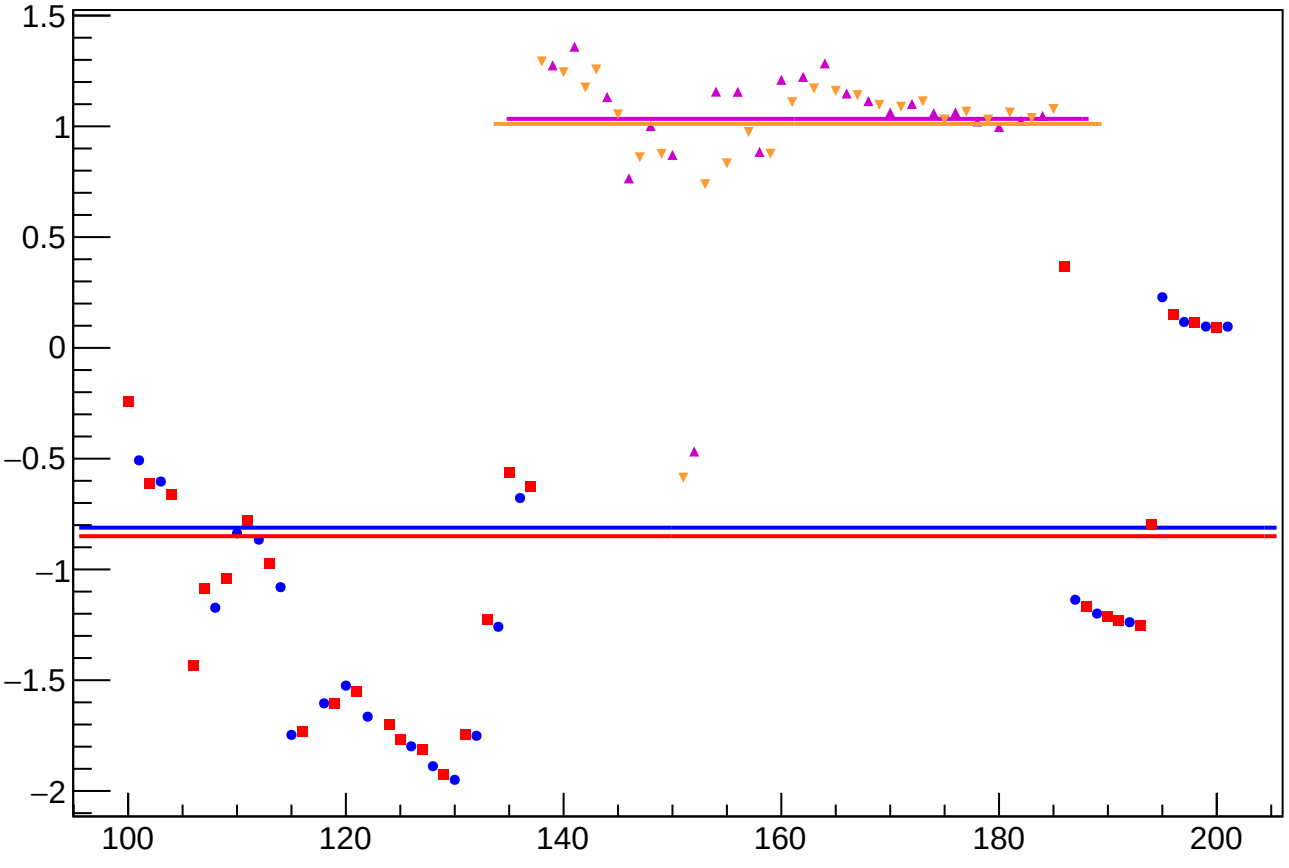
Right: 0.013+/-0.000 χ^2/NDF: 1103207.4/50

In: 0.011+/-0.000 χ^2/NDF:2883578.1/45

Out: 0.011+/-0.000 χ^2/NDF:2750448.5/52

All: 0.011+/-0.000 χ^2/NDF: 5634029.8/98

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: -0.850+/-0.000 χ^2/NDF: 130196399371.0/27

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

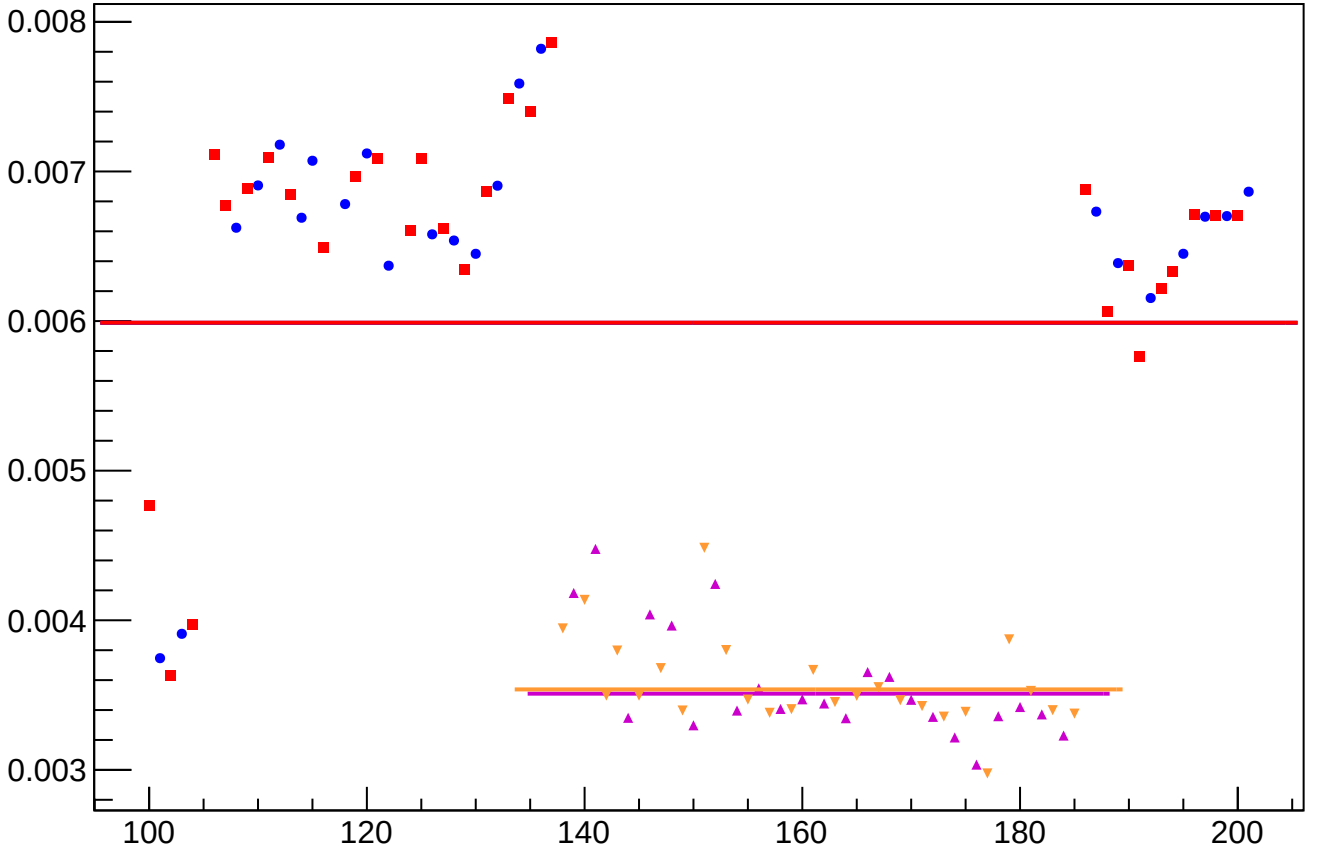
Right: -0.832+/-0.000 χ^2/NDF: 277327964839.9/50

In: 0.687+/-0.000 χ^2/NDF:1134023560648.8/45

Out: 0.644+/-0.000 χ^2/NDF:1200969651605.5/52

All: 0.665+/-0.000 χ^2/NDF: 2336537457832.

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: 1098353.5/27

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

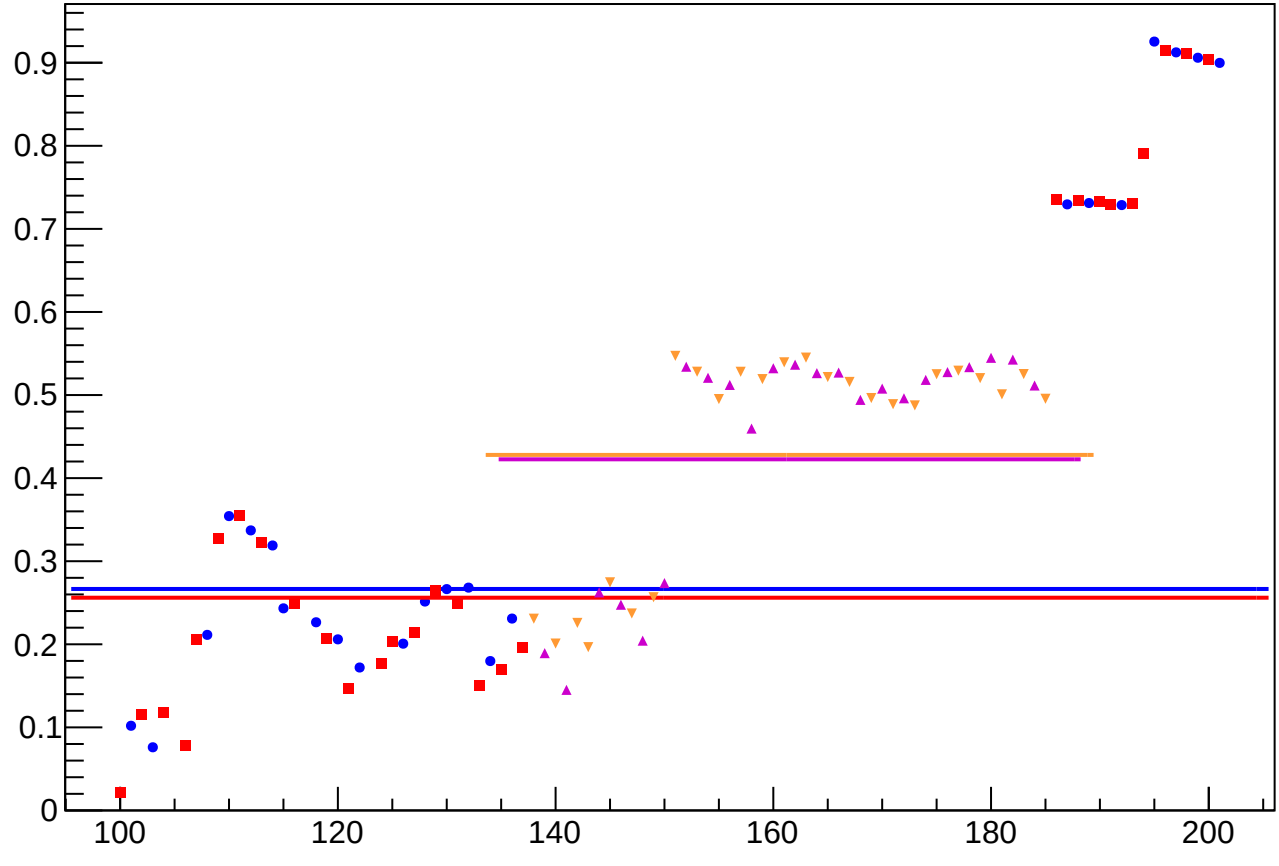
Right: 0.006+/-0.000 χ^2/NDF: 2162239.9/50

In: 0.004+/-0.000 χ^2/NDF:4459274.7/45

Out: 0.004+/-0.000 χ^2/NDF:4643985.5/52

All: 0.004+/-0.000 χ^2/NDF: 9106764.3/98

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: 0.256+/-0.000 χ^2/NDF: 142663738462.6/27

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

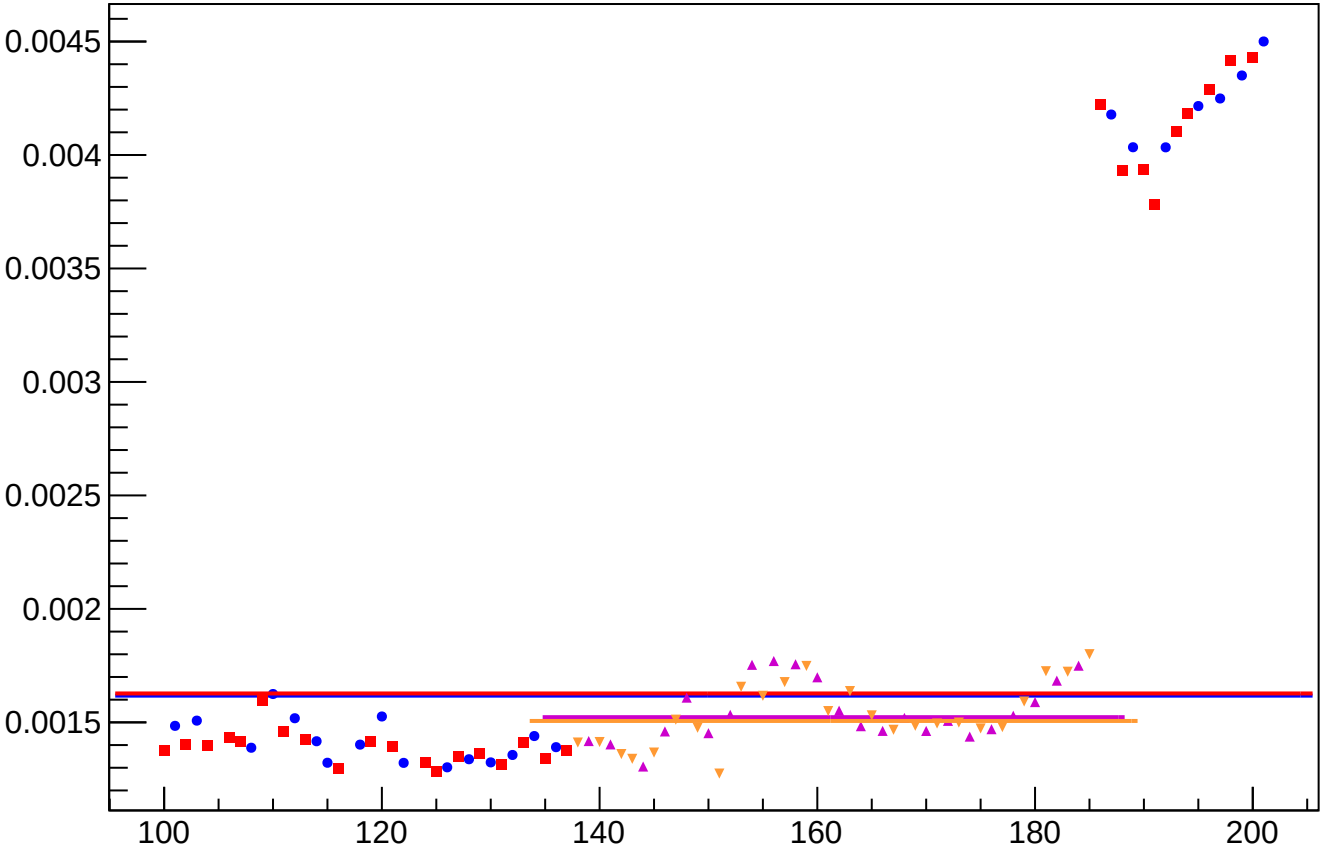
Right: 0.261+/-0.000 χ^2/NDF: 265324832497.8/50

In: 0.371+/-0.000 χ^2/NDF:342574986695.9/45

Out: 0.371+/-0.000 χ^2/NDF:378498727020.0/52

All: 0.371+/-0.000 χ^2/NDF: 721074097027.7

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: 5067693.0/27

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

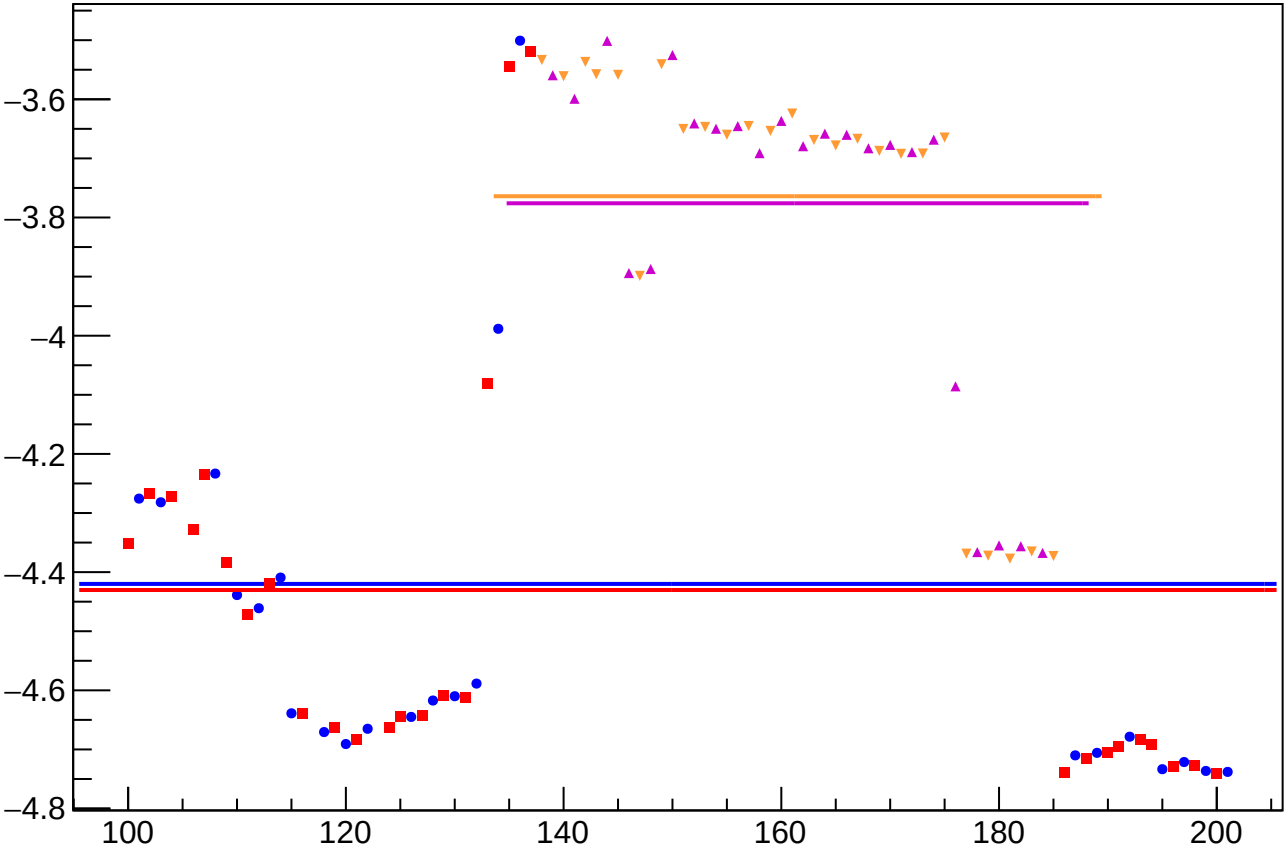
Right: 0.002+/-0.000 χ^2/NDF: 9314972.1/50

In: 0.002+/-0.000 χ^2/NDF:4527520.5/45

Out: 0.002+/-0.000 χ^2/NDF:5428109.3/52

All: 0.002+/-0.000 χ^2/NDF: 9956361.9/98

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: -4.430+/-0.000 χ^2/NDF: 353443326340.4/27

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

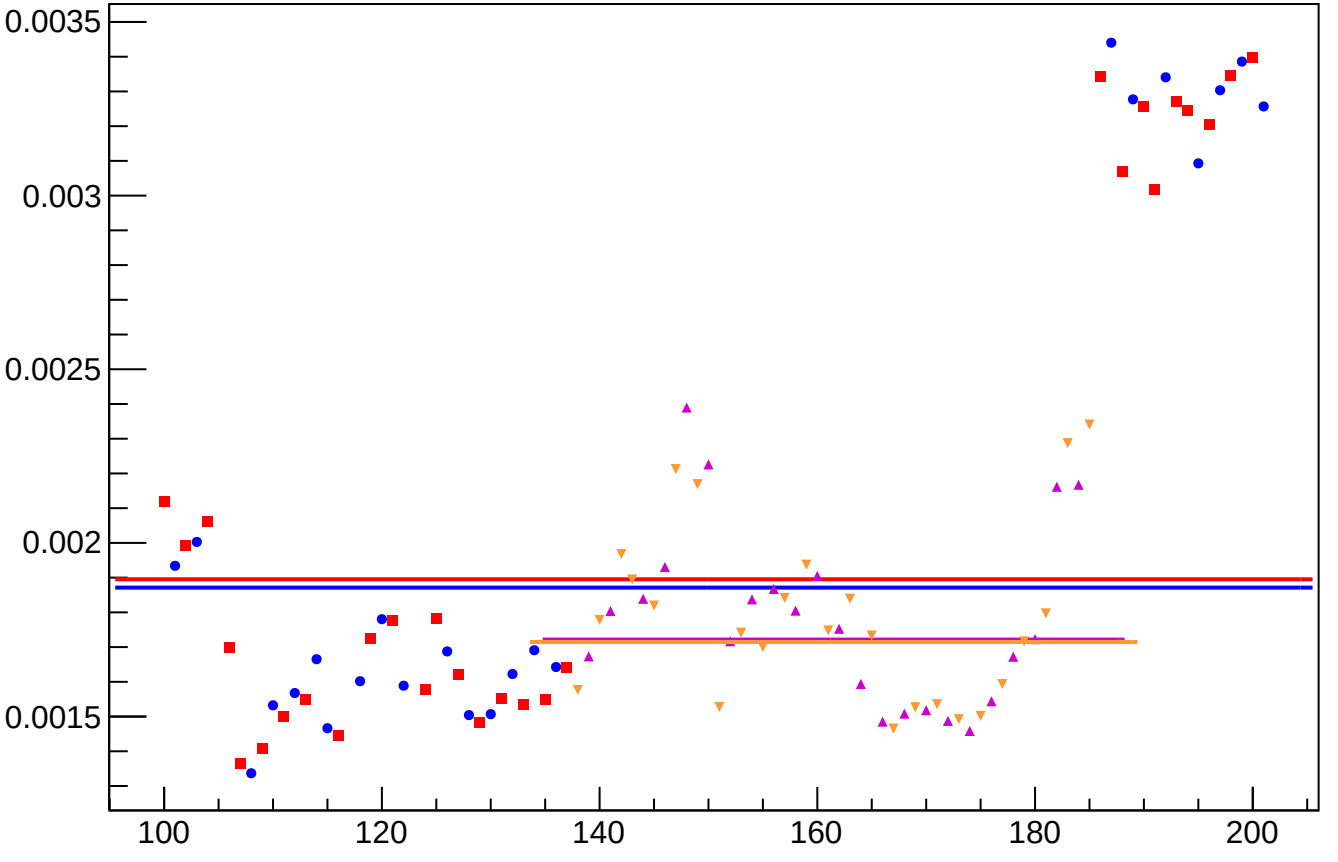
Right: -4.425+/-0.000 χ^2/NDF: 756187207597.2/50

In: -3.996+/-0.000 χ^2/NDF:1646895091809.5/45

Out: -3.994+/-0.000 χ^2/NDF:1804395385348.7/52

All: -3.995+/-0.000 χ^2/NDF: 3451312962118

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: 2761643.5/27

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

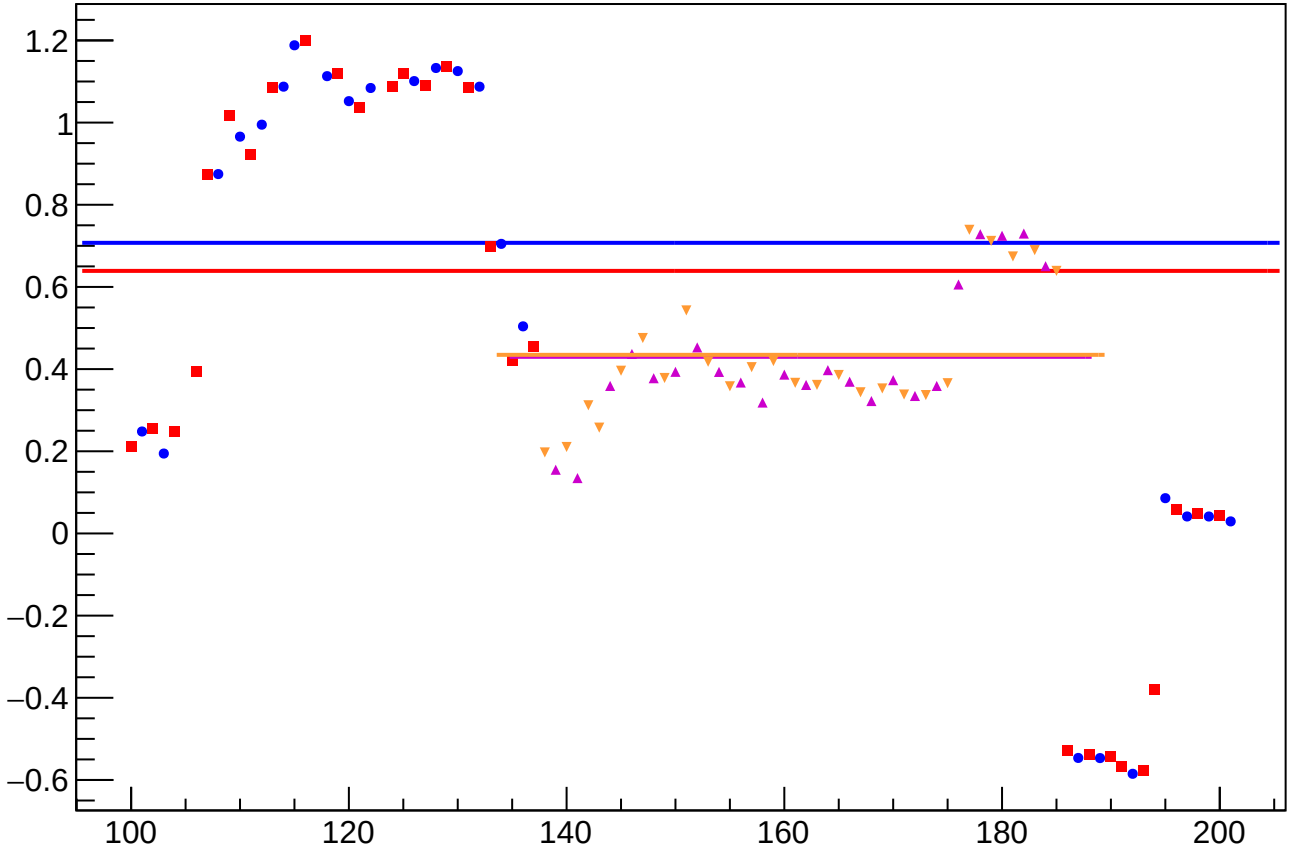
Right: 0.002+/-0.000 χ^2/NDF: 5091239.6/50

In: 0.002+/-0.000 χ^2/NDF:3000515.0/45

Out: 0.002+/-0.000 χ^2/NDF:3466268.8/52

All: 0.002+/-0.000 χ^2/NDF: 6466944.5/98

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: 0.639+/-0.000 χ^2/NDF: 81128355001.6/27

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

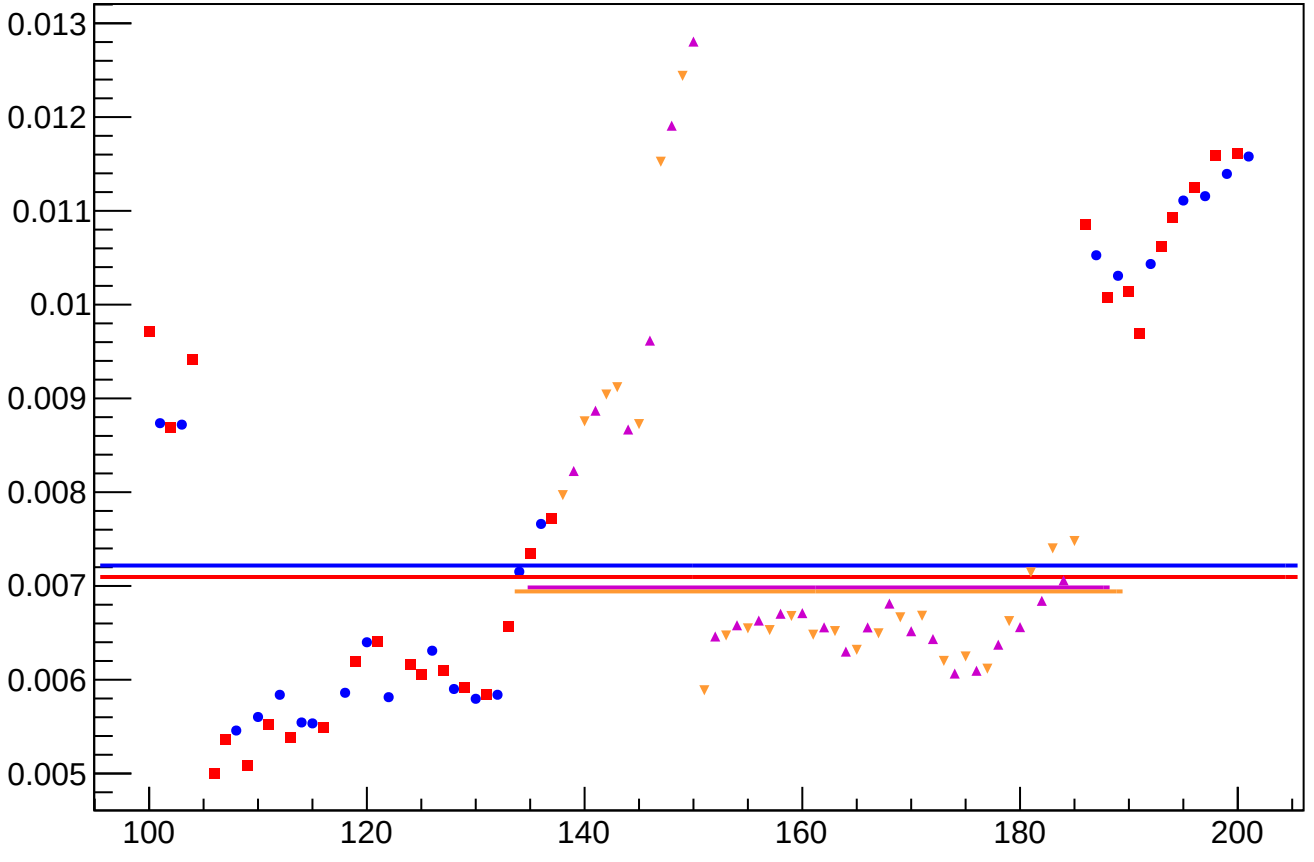
Right: 0.671+/-0.000 χ^2/NDF: 141047620412.9/50

In: 0.534+/-0.000 χ^2/NDF:78895772705.9/45

Out: 0.514+/-0.000 χ^2/NDF:95957194594.6/52

All: 0.524+/-0.000 χ^2/NDF: 174971129931.6

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: 2327751.9/27

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

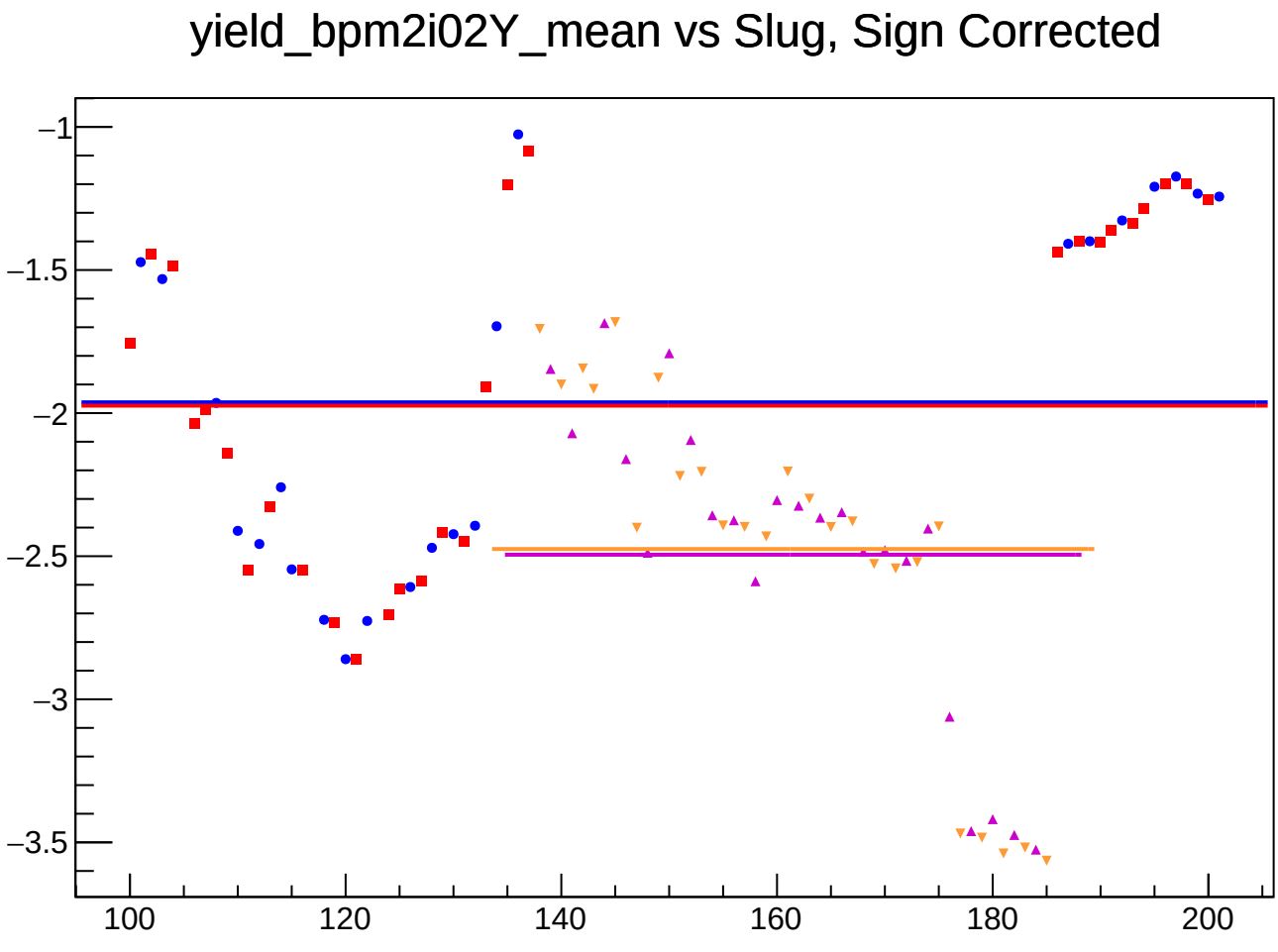
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.007+/-0.000 χ^2/NDF: 4160230.8/50

In: 0.007+/-0.000 χ^2/NDF:2980448.5/45

Out: 0.007+/-0.000 χ^2/NDF:3425823.7/52

All: 0.007+/-0.000 χ^2/NDF: 6409246.4/98



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: -1.974+/-0.000 χ^2/NDF: 95371546165.6/27

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

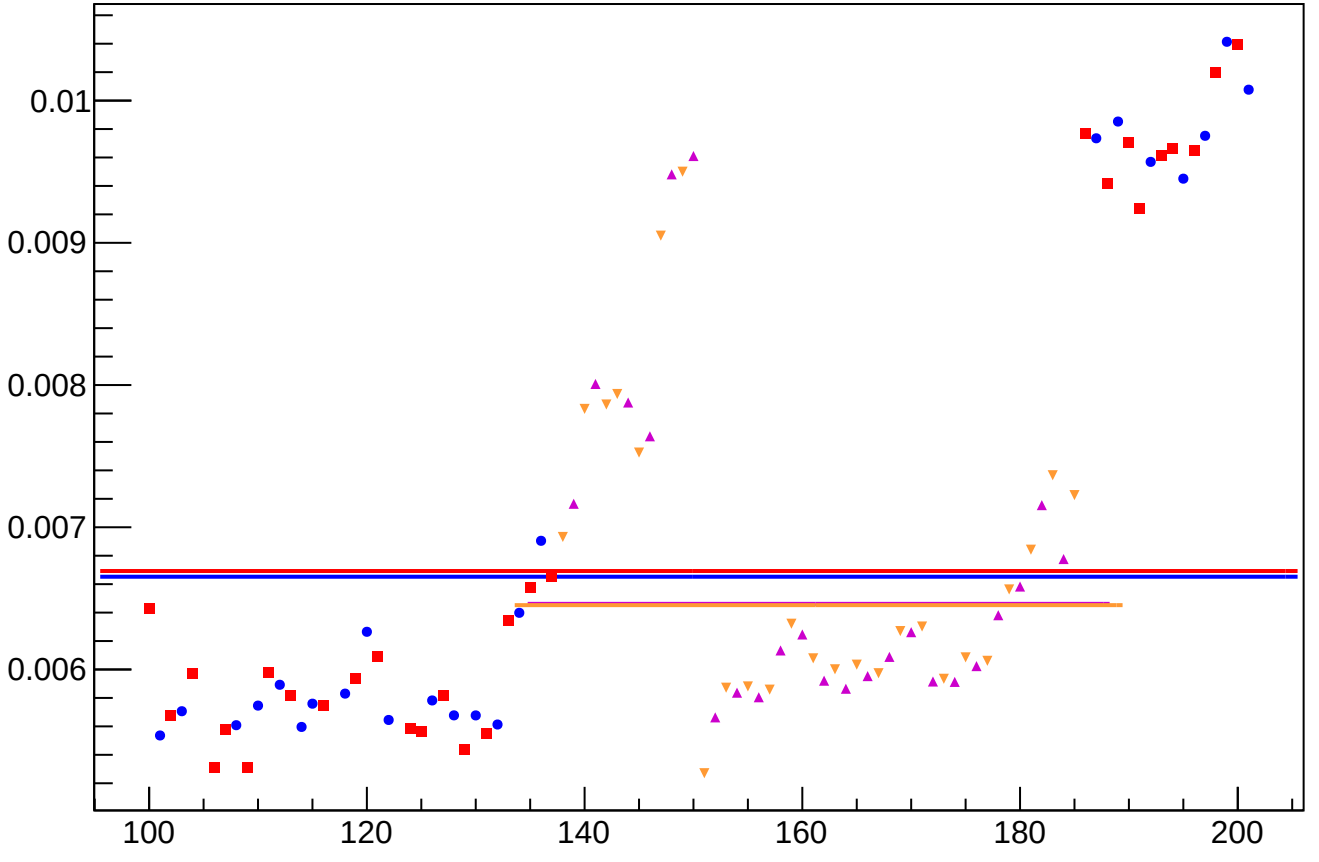
Right: -1.968+/-0.000 χ^2/NDF: 193574723818.1/50

In: -2.293+/-0.000 χ^2/NDF:241116182344.6/45

Out: -2.281+/-0.000 χ^2/NDF:262461446338.5/52

All: -2.287+/-0.000 χ^2/NDF: 503626262737.8

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: 1645071.0/27

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

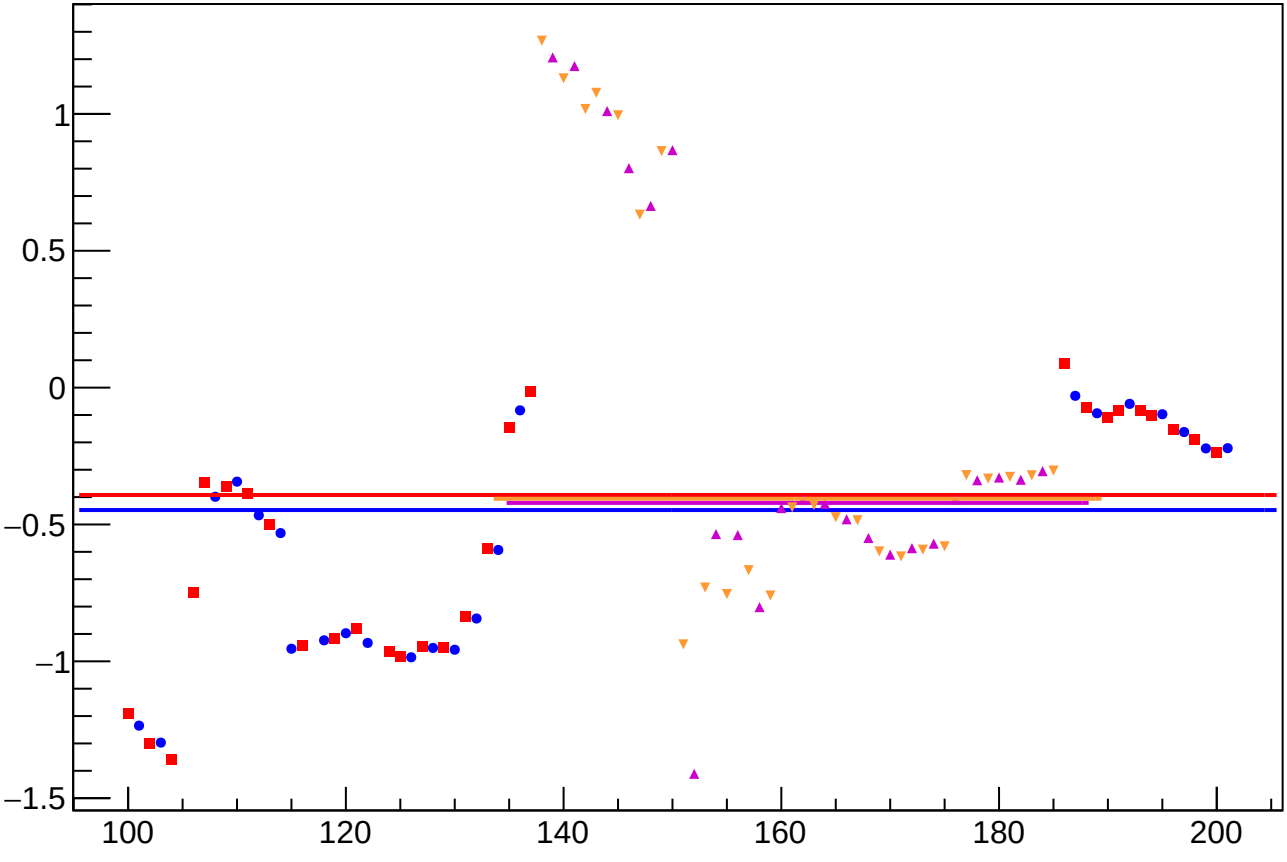
Right: 0.007+/-0.000 χ^2/NDF: 3039562.8/50

In: 0.007+/-0.000 χ^2/NDF:2126541.5/45

Out: 0.007+/-0.000 χ^2/NDF:2378553.6/52

All: 0.007+/-0.000 χ^2/NDF: 4505188.3/98

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: -0.392+/-0.000 χ^2/NDF: 26675428445.6/27

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

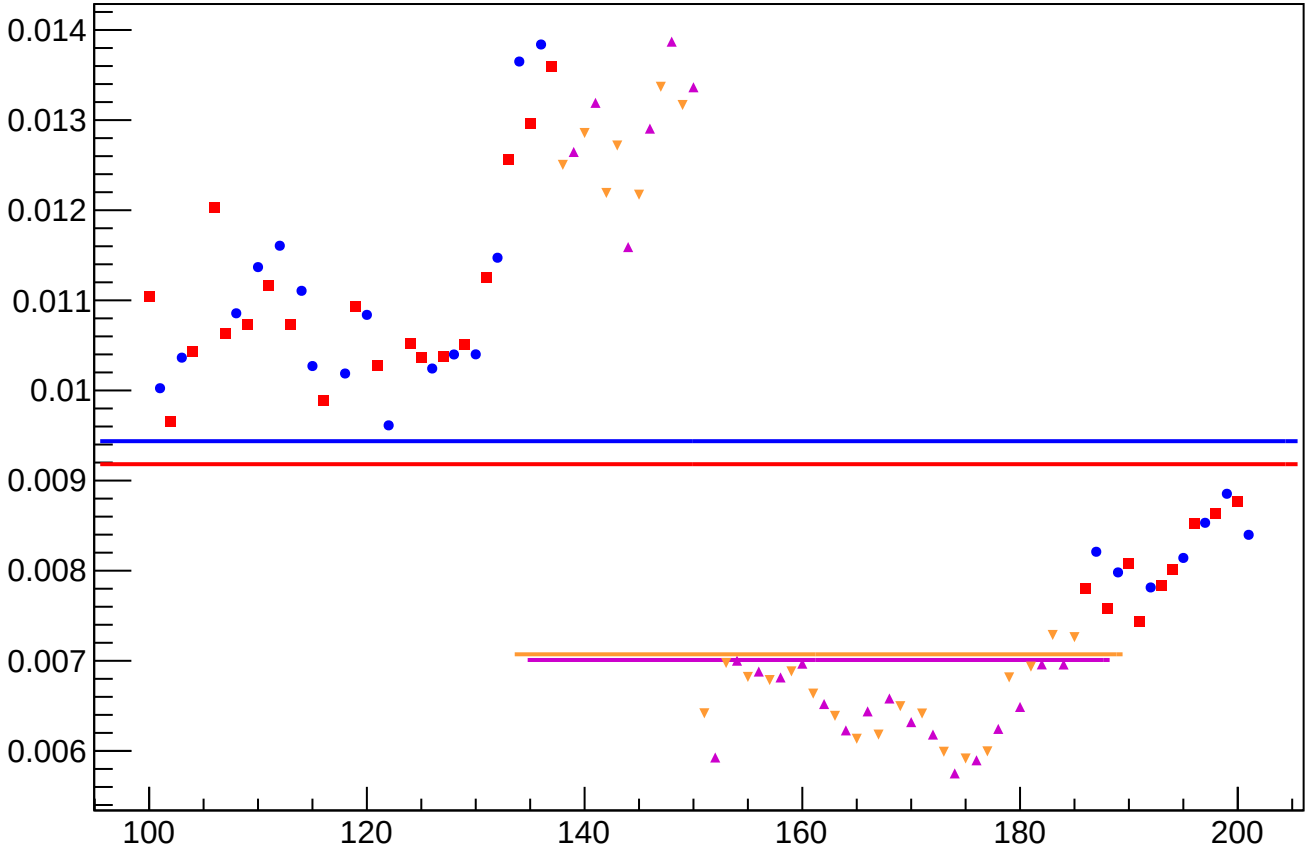
Right: -0.418+/-0.000 χ^2/NDF: 50238962432.2/50

In: -0.428+/-0.000 χ^2/NDF:113654894537.0/45

Out: -0.402+/-0.000 χ^2/NDF:108329053267.7/52

All: -0.415+/-0.000 χ^2/NDF: 222158332548.2

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: 675110.0/27

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

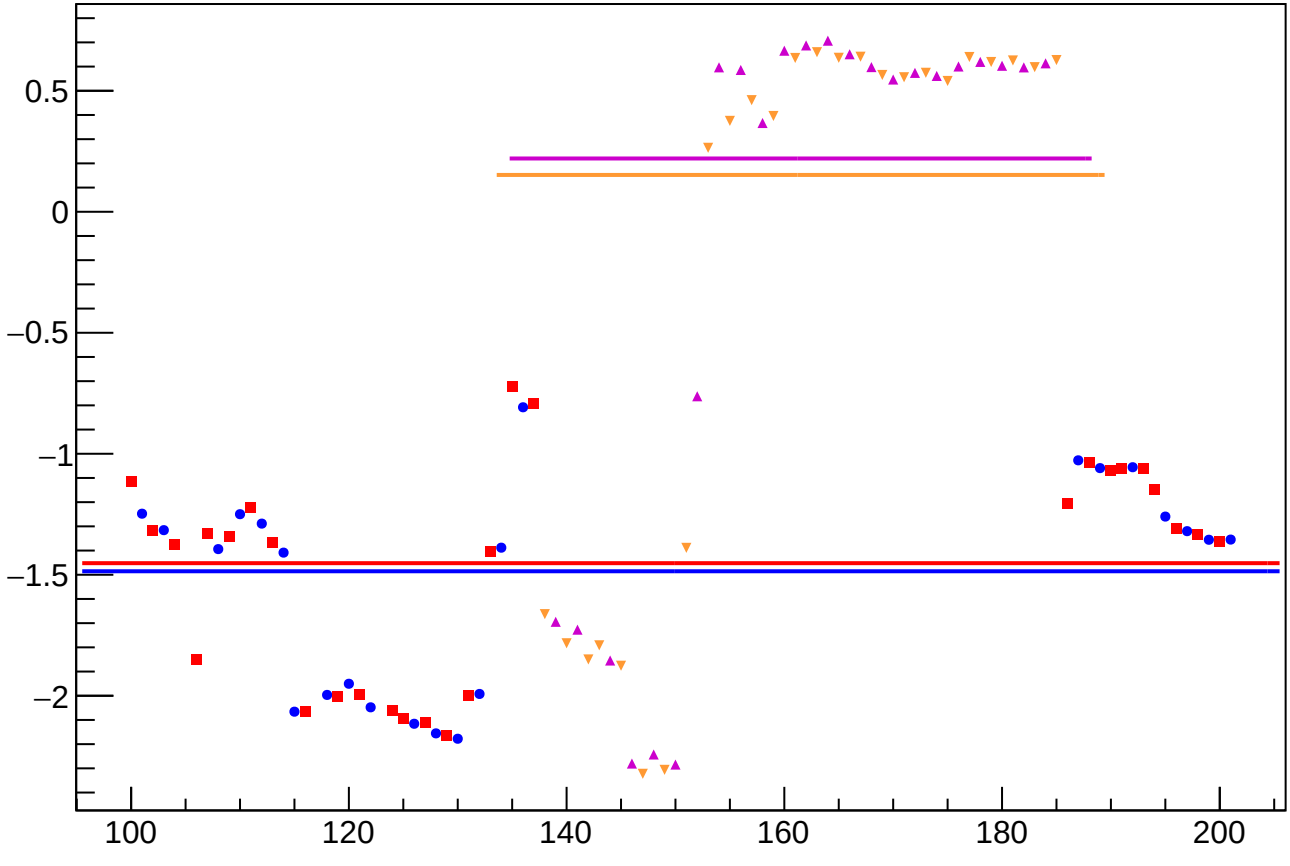
Right: 0.009+/-0.000 χ^2/NDF: 1306150.9/50

In: 0.008+/-0.000 χ^2/NDF:4203527.6/45

Out: 0.008+/-0.000 χ^2/NDF:4018867.1/52

All: 0.008+/-0.000 χ^2/NDF: 8222682.9/98

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: -1.452+/-0.000 χ^2/NDF: 171664984188.6/27

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

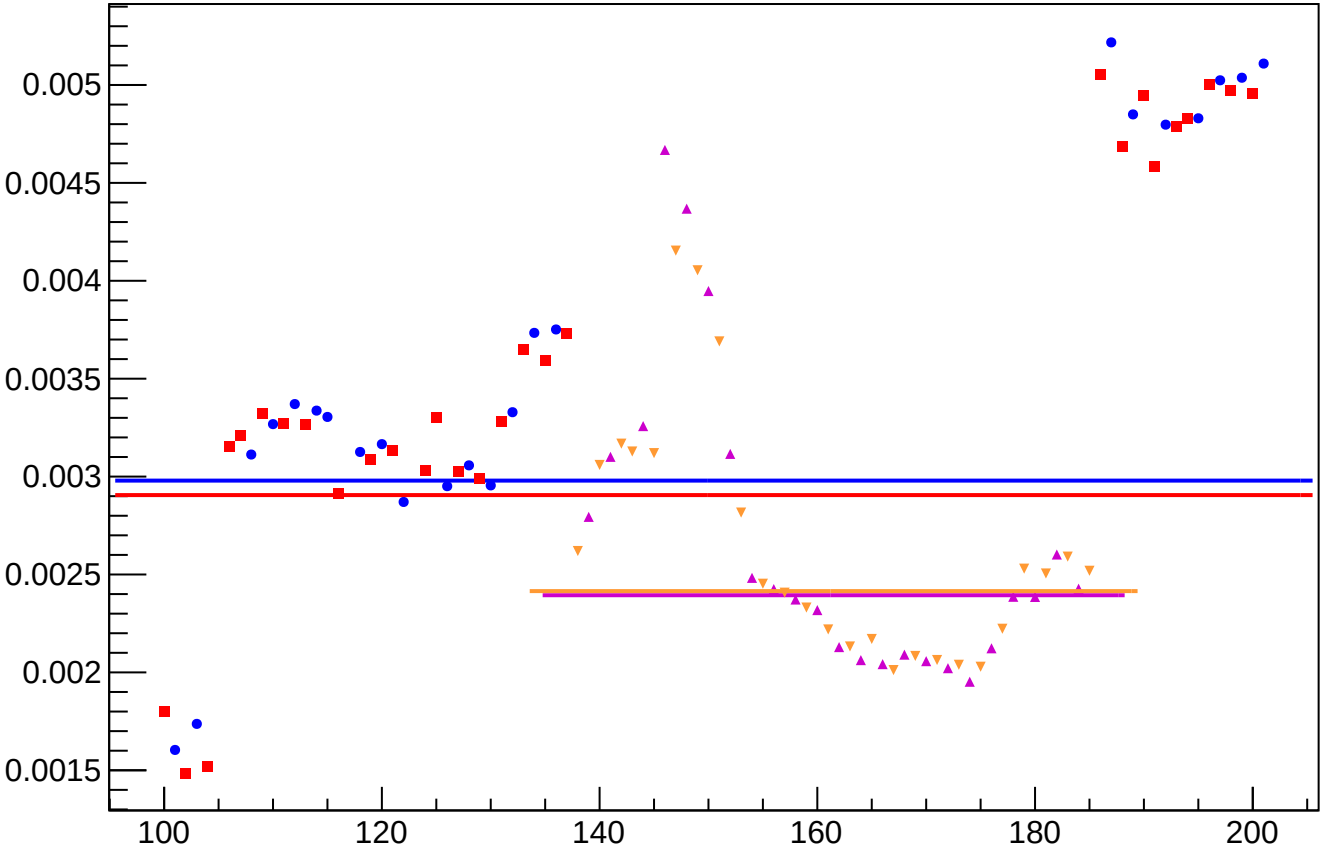
Right: -1.468+/-0.000 χ^2/NDF: 354245482060.5/50

In: -0.272+/-0.000 χ^2/NDF:4642833735636.6/45

Out: -0.334+/-0.000 χ^2/NDF:4852839285716.9/52

All: -0.304+/-0.000 χ^2/NDF: 9503542121787

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: 4009067.8/27

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

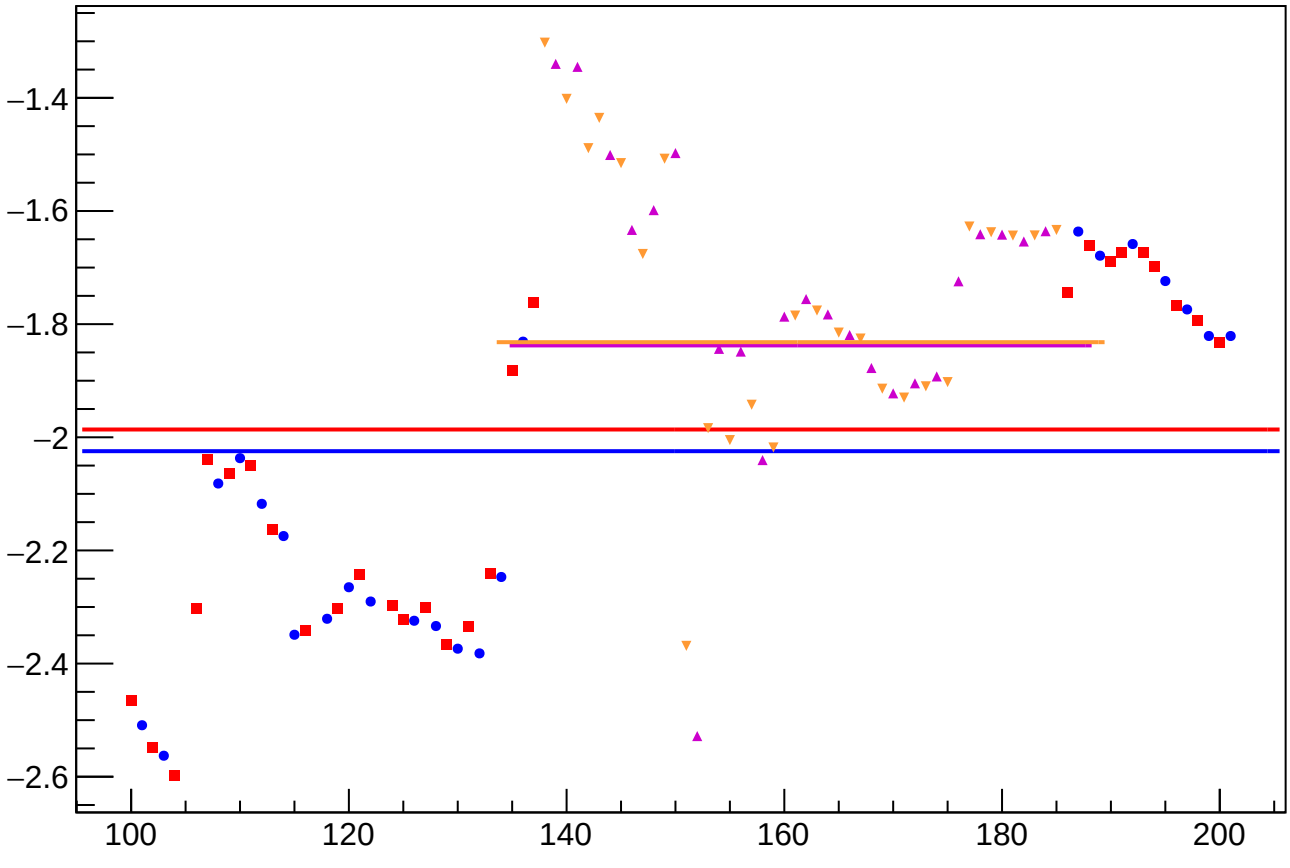
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 7083750.2/50

In: 0.003+/-0.000 χ^2/NDF:5028714.7/45

Out: 0.003+/-0.000 χ^2/NDF:5655917.7/52

All: 0.003+/-0.000 χ^2/NDF: 10684635.7/98



Right In: -2.025+/-0.000 χ^2/NDF: 31440229614.8/22

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.986+/-0.000 χ^2/NDF: 36371473744.5/27

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

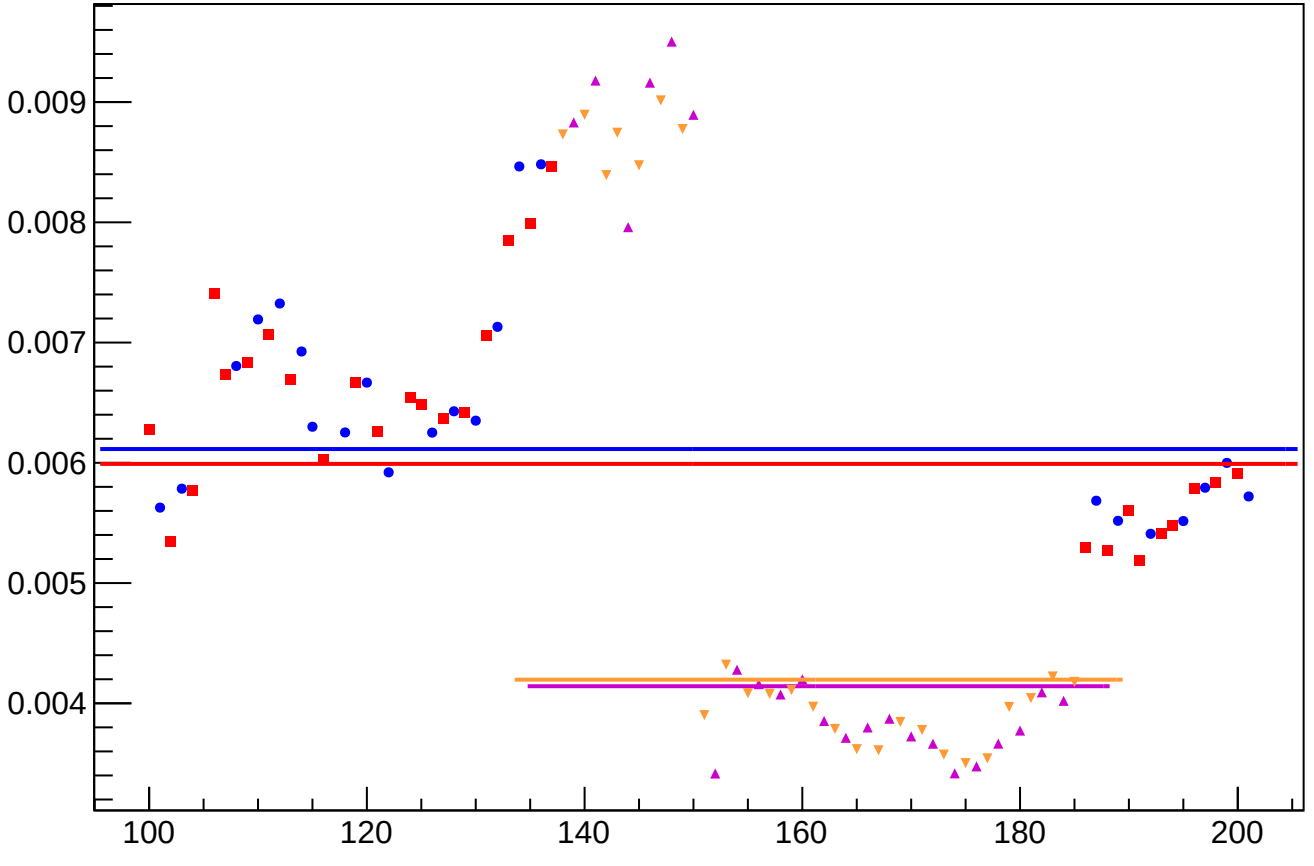
Right: -2.004+/-0.000 χ^2/NDF: 68060077562.4/50

In: -1.885+/-0.000 χ^2/NDF:93139882996.5/45

Out: -1.874+/-0.000 χ^2/NDF:81060037699.8/52

All: -1.879+/-0.000 χ^2/NDF: 174274486345.0

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: 377209.9/27

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

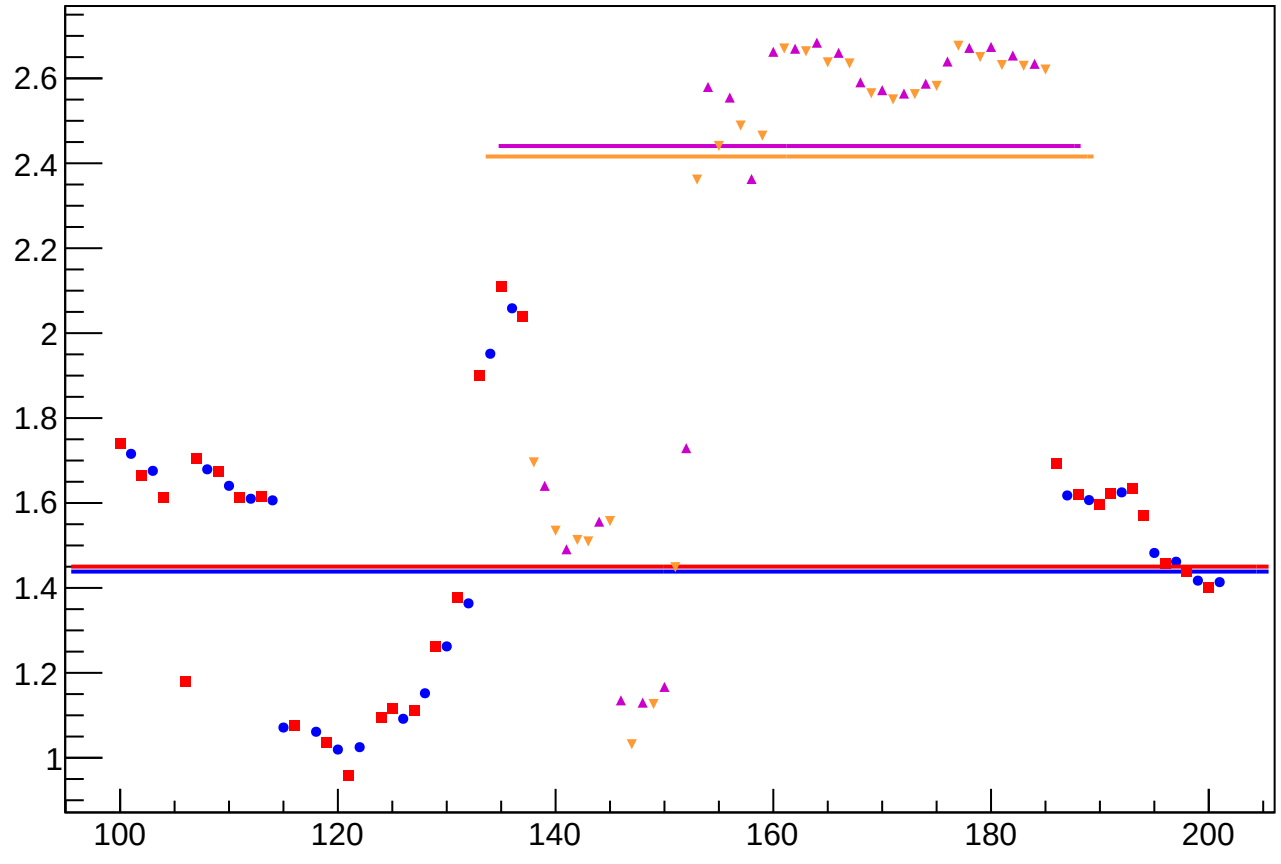
Right: 0.006+/-0.000 χ^2/NDF: 747741.2/50

In: 0.005+/-0.000 χ^2/NDF:5398893.8/45

Out: 0.005+/-0.000 χ^2/NDF:5177401.8/52

All: 0.005+/-0.000 χ^2/NDF: 10579160.0/98

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: 1.450+/-0.000 χ^2/NDF: 186370277164.6/27

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

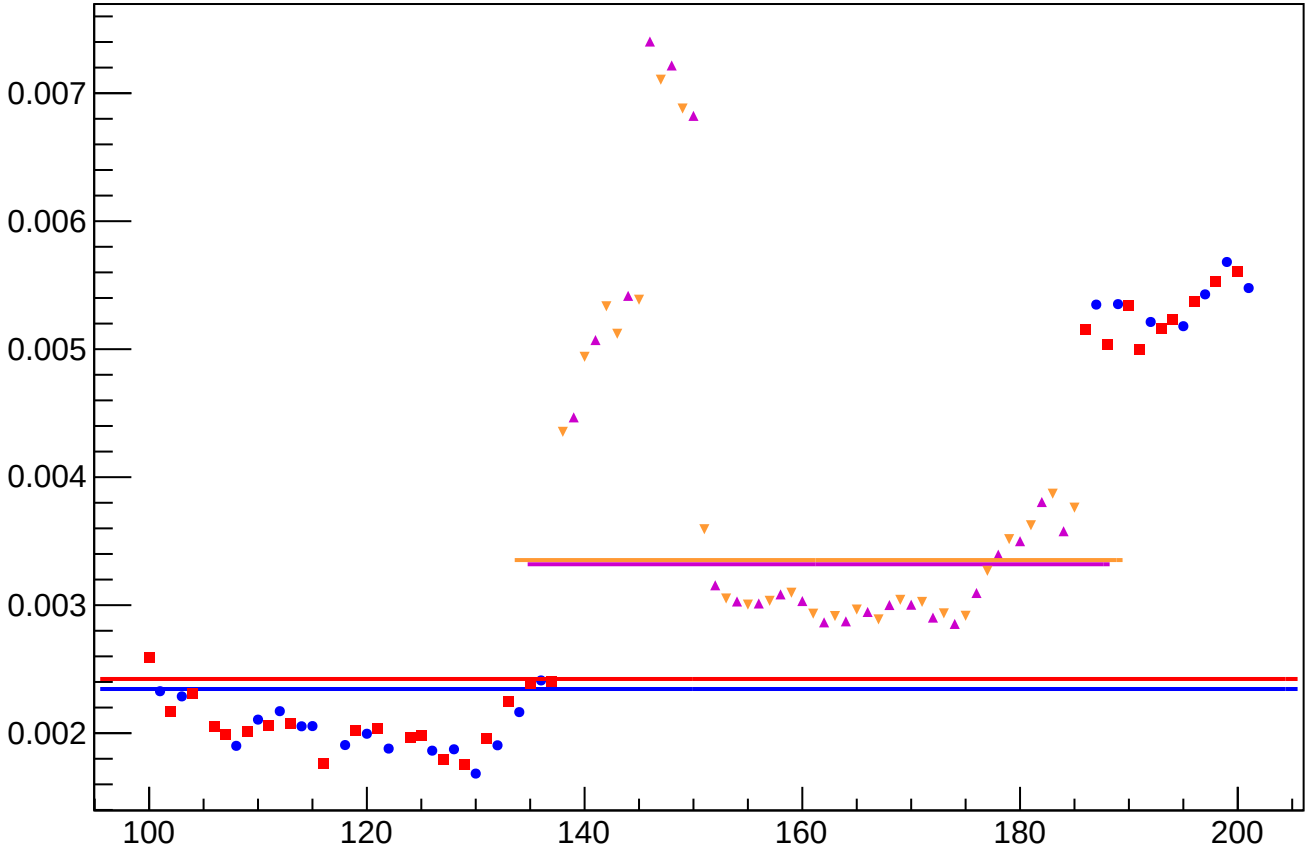
Right: 1.444+/-0.000 χ^2/NDF: 377808679711.4/50

In: 1.891+/-0.000 χ^2/NDF:1239316648094.2/45

Out: 1.891+/-0.000 χ^2/NDF:1217015041192.8/52

All: 1.891+/-0.000 χ^2/NDF: 2456331930116.

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: 4215728.3/27

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

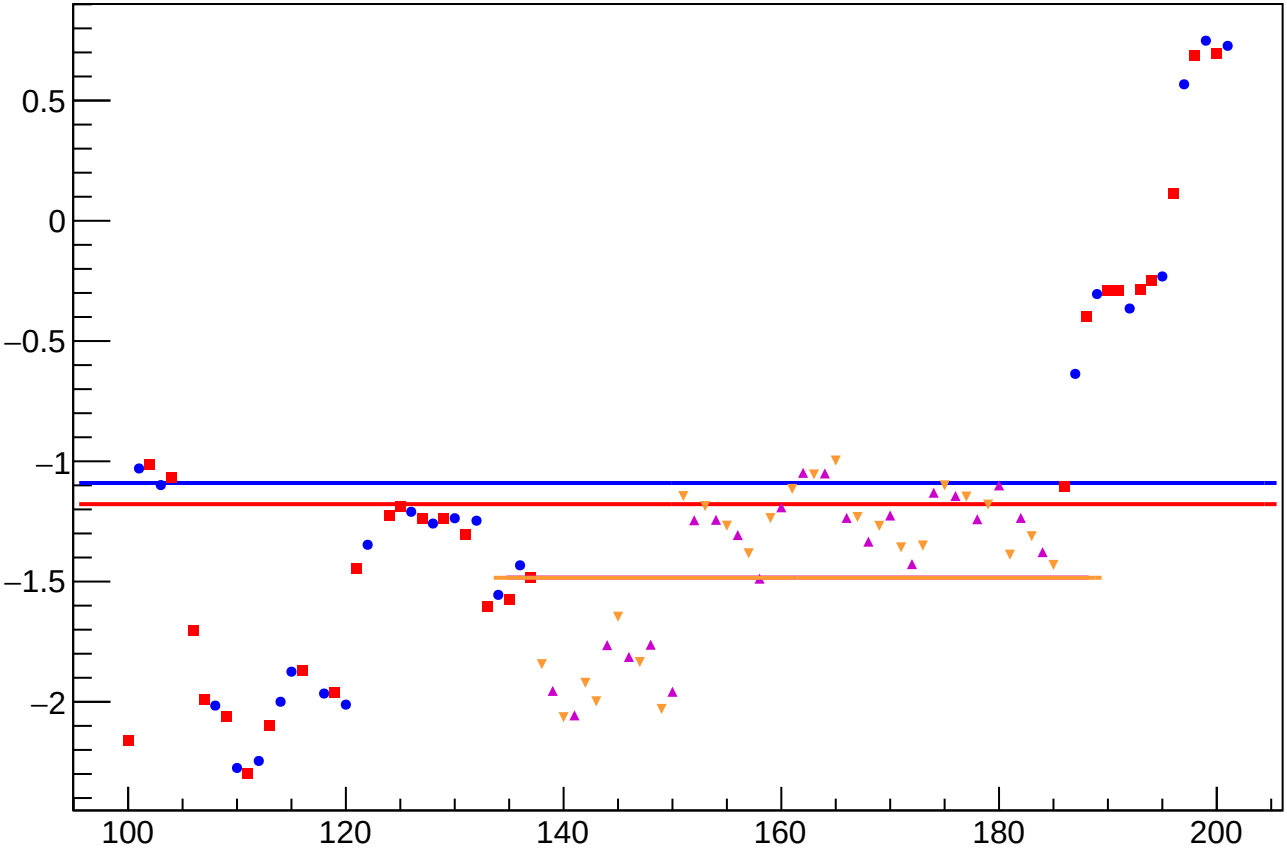
Right: 0.002+/-0.000 χ^2/NDF: 7930456.5/50

In: 0.003+/-0.000 χ^2/NDF:7303195.7/45

Out: 0.003+/-0.000 χ^2/NDF:7493230.1/52

All: 0.003+/-0.000 χ^2/NDF: 14809245.4/98

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: -1.178+/-0.000 χ^2/NDF: 151287909329.2/27

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

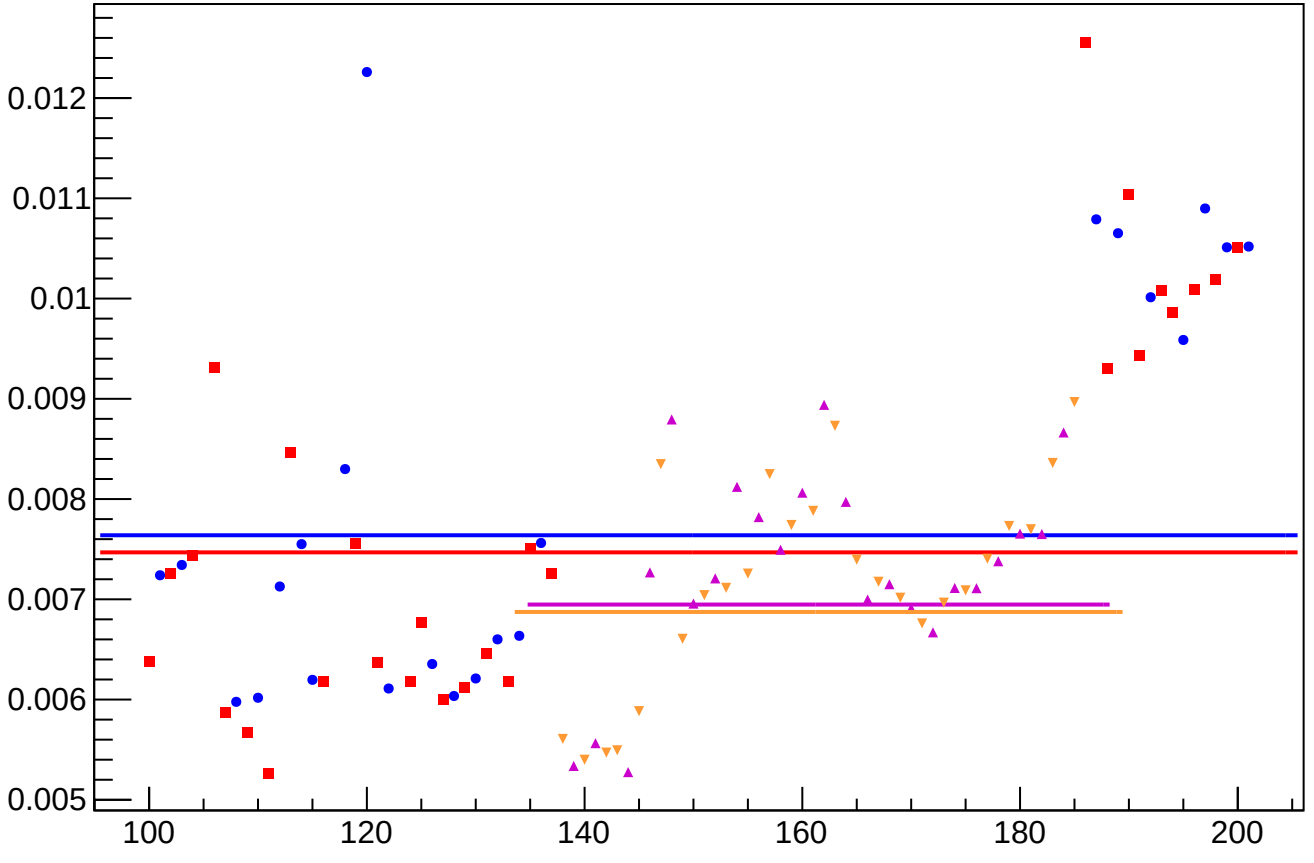
Right: -1.138+/-0.000 χ^2/NDF: 283109695265.0/50

In: -1.346+/-0.000 χ^2/NDF:190362616107.0/45

Out: -1.372+/-0.000 χ^2/NDF:212864435789.1/52

All: -1.360+/-0.000 χ^2/NDF: 403415601911.8

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: 0.007+/-0.000 χ^2/NDF: 1393584.0/27

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

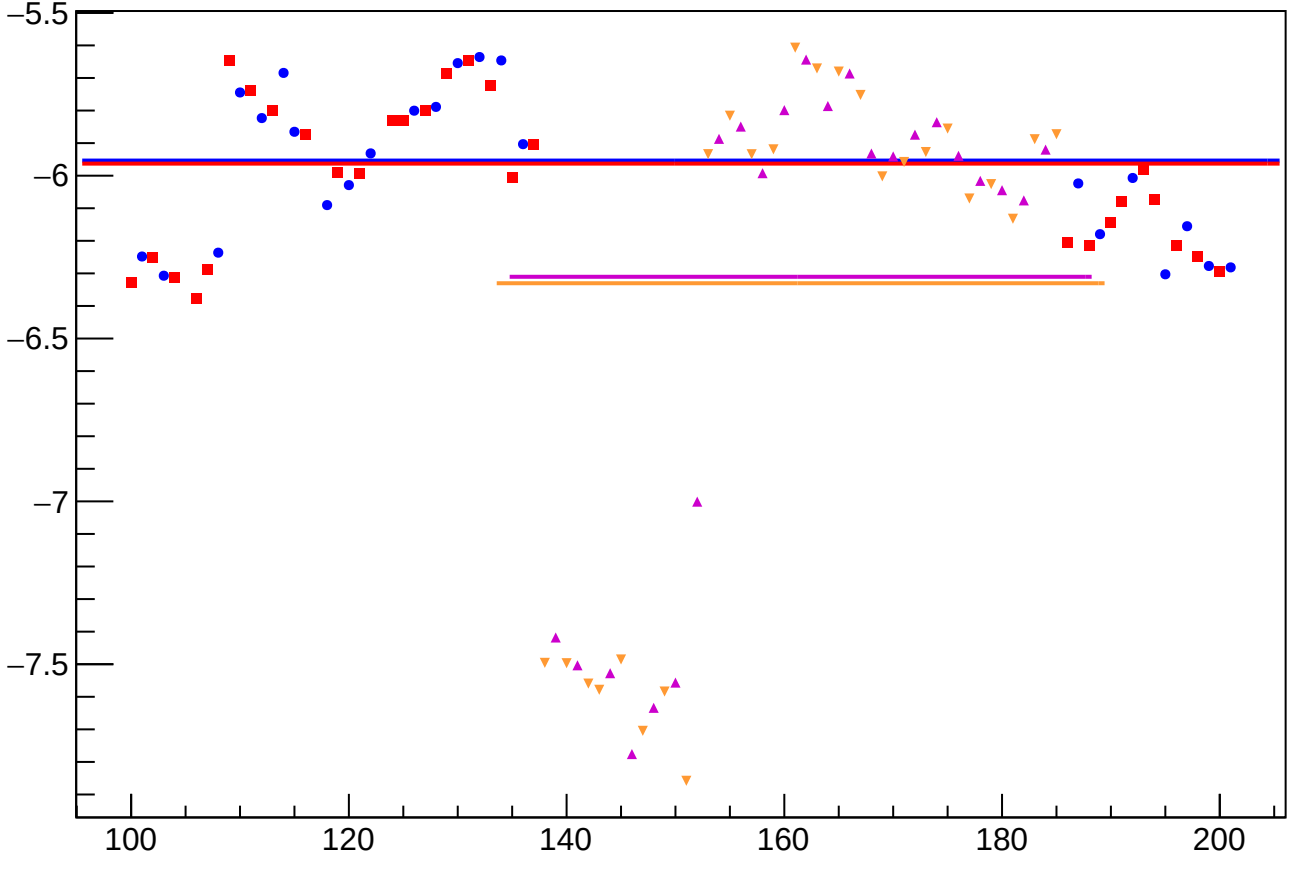
Right: 0.008+/-0.000 χ^2/NDF: 2534894.8/50

In: 0.007+/-0.000 χ^2/NDF:1999414.6/45

Out: 0.007+/-0.000 χ^2/NDF:2238143.9/52

All: 0.007+/-0.000 χ^2/NDF: 4242909.3/98

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: -5.963+/-0.000 χ^2/NDF: 14746274169.0/27

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

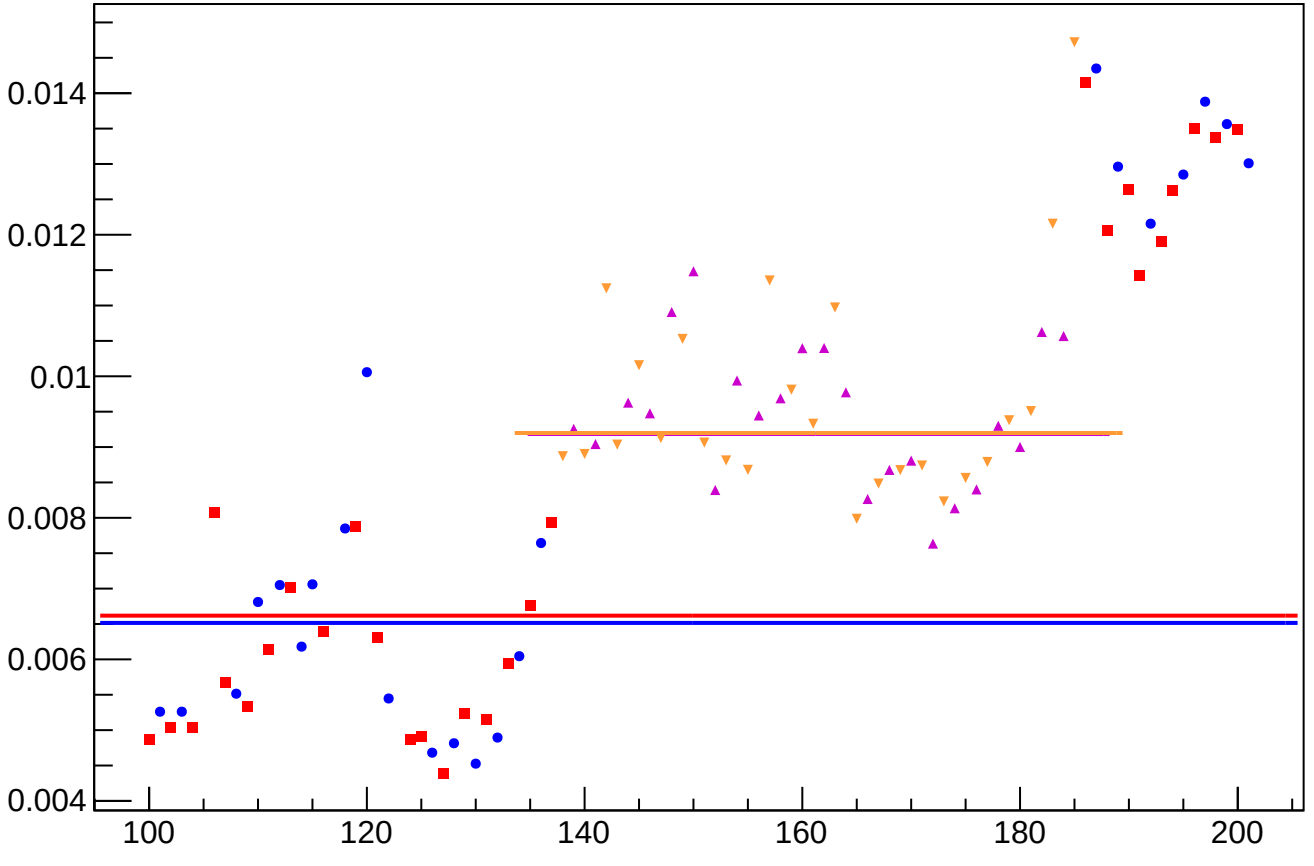
Right: -5.958+/-0.000 χ^2/NDF: 28702258058.0/50

In: -6.113+/-0.000 χ^2/NDF:118520706745.7/45

Out: -6.123+/-0.000 χ^2/NDF:139598956461.1/52

All: -6.118+/-0.000 χ^2/NDF: 258141761884.5

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: 3635797.7/27

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

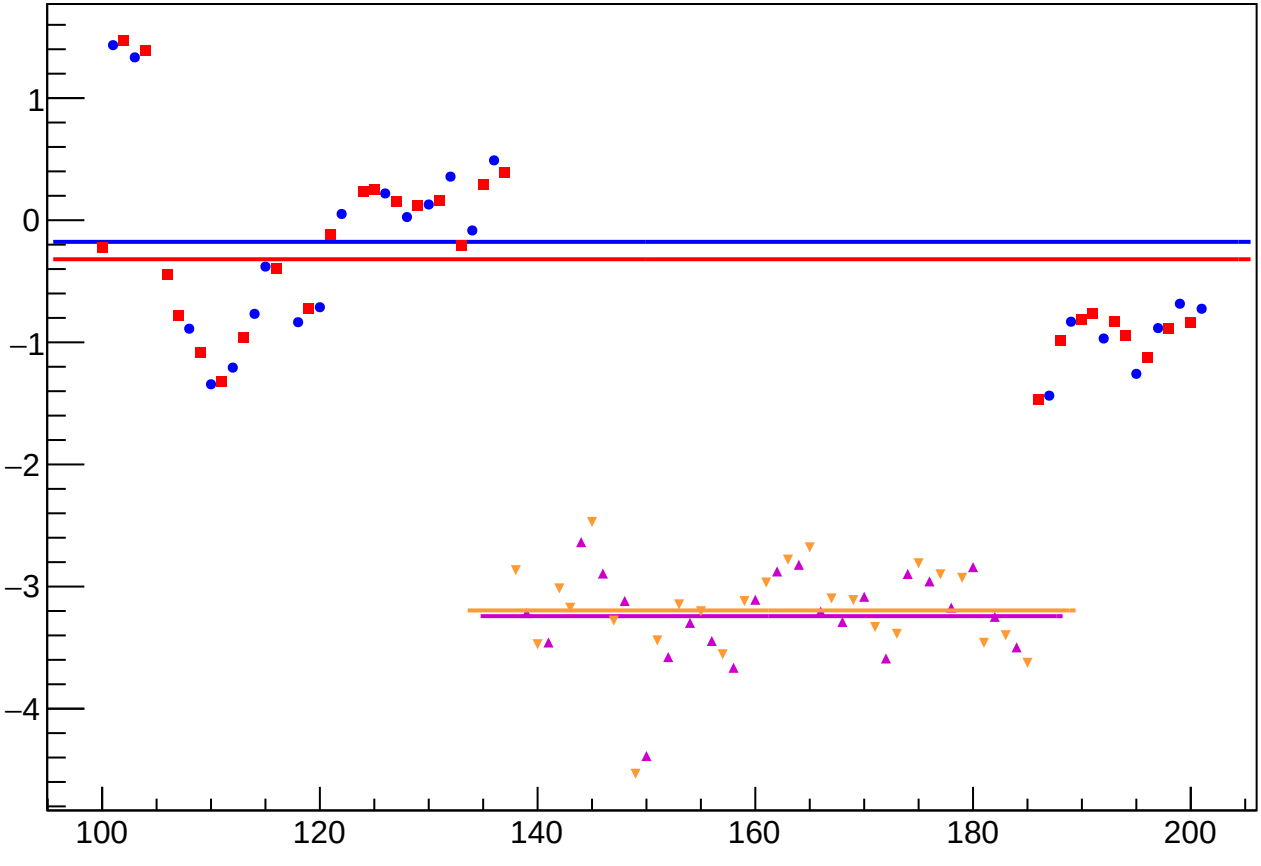
Right: 0.007+/-0.000 χ^2/NDF: 6974014.6/50

In: 0.008+/-0.000 χ^2/NDF:5097023.1/45

Out: 0.008+/-0.000 χ^2/NDF:5437182.6/52

All: 0.008+/-0.000 χ^2/NDF: 10534774.1/98

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: -0.320+/-0.000 χ^2/NDF: 33603570293.0/27

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

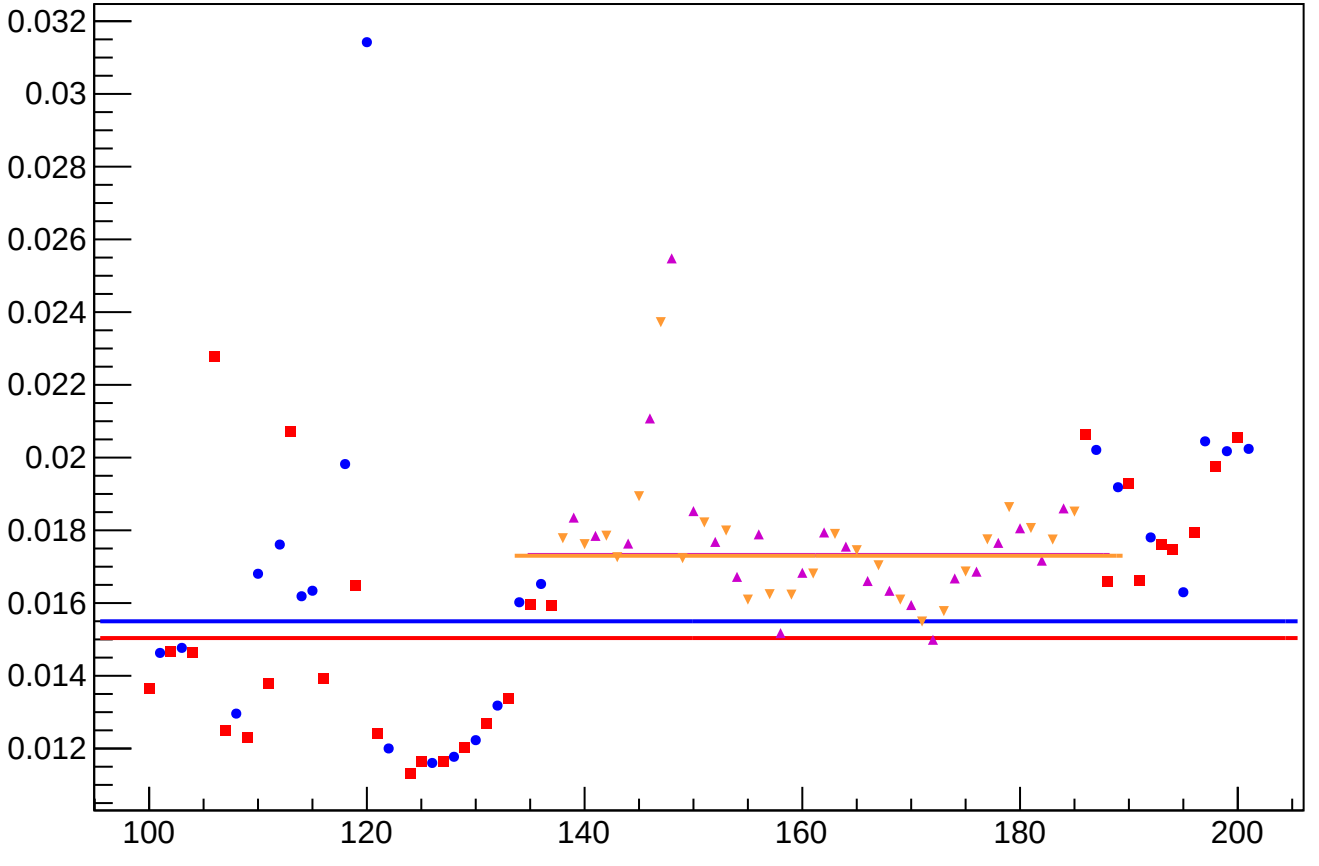
Right: -0.255+/-0.000 χ^2/NDF: 64743587389.6/50

In: -1.894+/-0.000 χ^2/NDF:280026993960.3/45

Out: -1.841+/-0.000 χ^2/NDF:284849871572.5/52

All: -1.866+/-0.000 χ^2/NDF: 565028875268.0

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: 926027.0/27

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

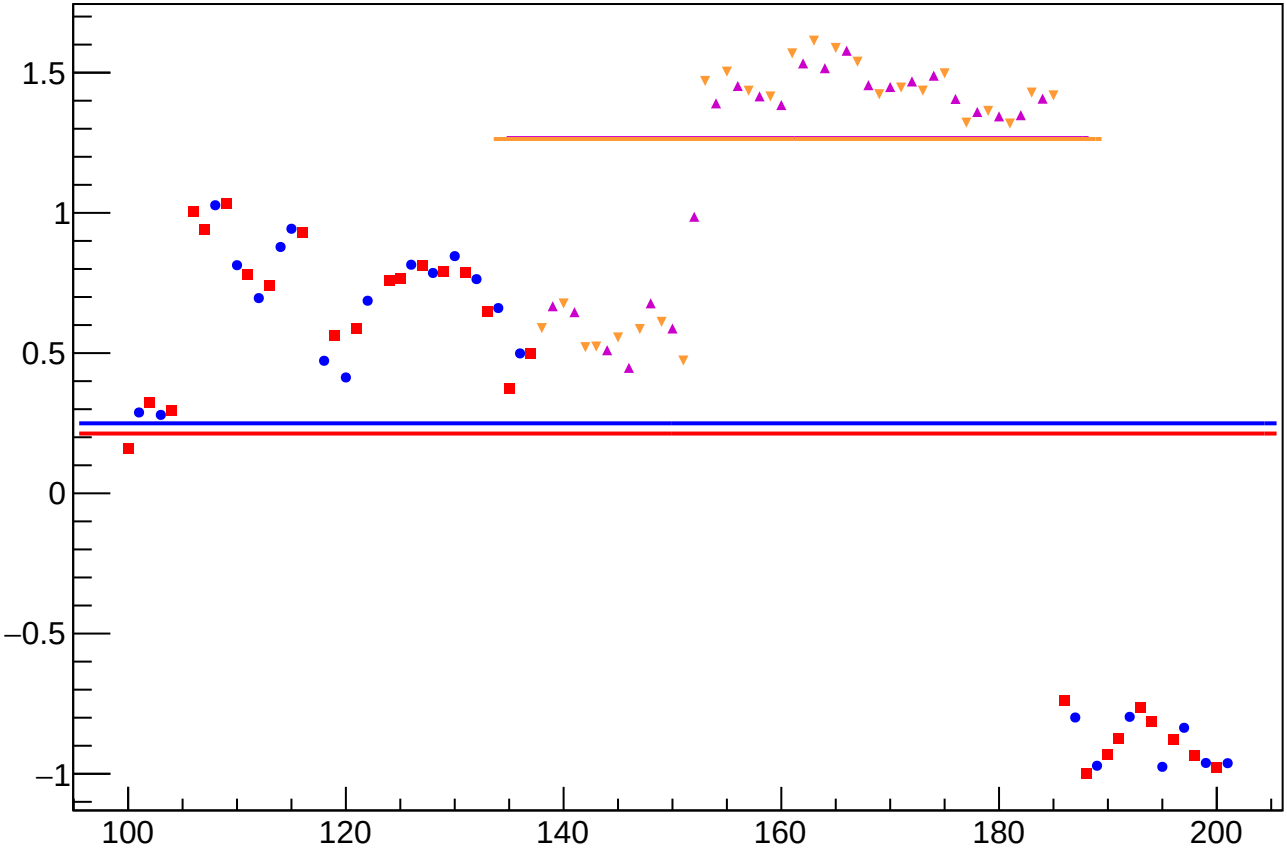
Right: 0.015+/-0.000 χ^2/NDF: 1899493.4/50

In: 0.017+/-0.000 χ^2/NDF:1463711.6/45

Out: 0.016+/-0.000 χ^2/NDF:1443591.8/52

All: 0.016+/-0.000 χ^2/NDF: 2916264.2/98

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: 0.213+/-0.000 χ^2/NDF: 70441333896.2/27

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

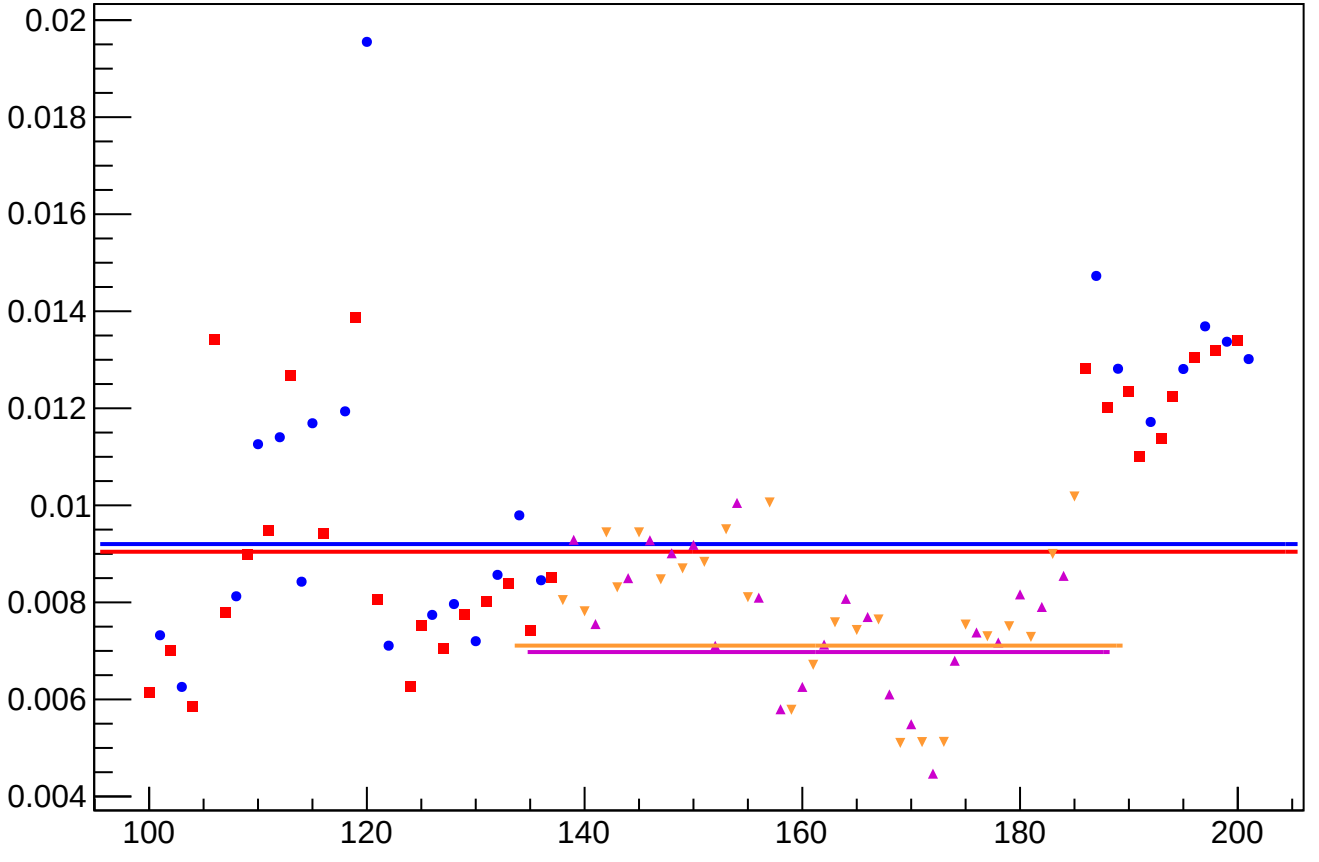
Right: 0.230+/-0.000 χ^2/NDF: 128248918246.9/50

In: 0.991+/-0.000 χ^2/NDF:188949567307.5/45

Out: 0.949+/-0.000 χ^2/NDF:227162008430.6/52

All: 0.970+/-0.000 χ^2/NDF: 416527802470.9

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: 1828441.1/27

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

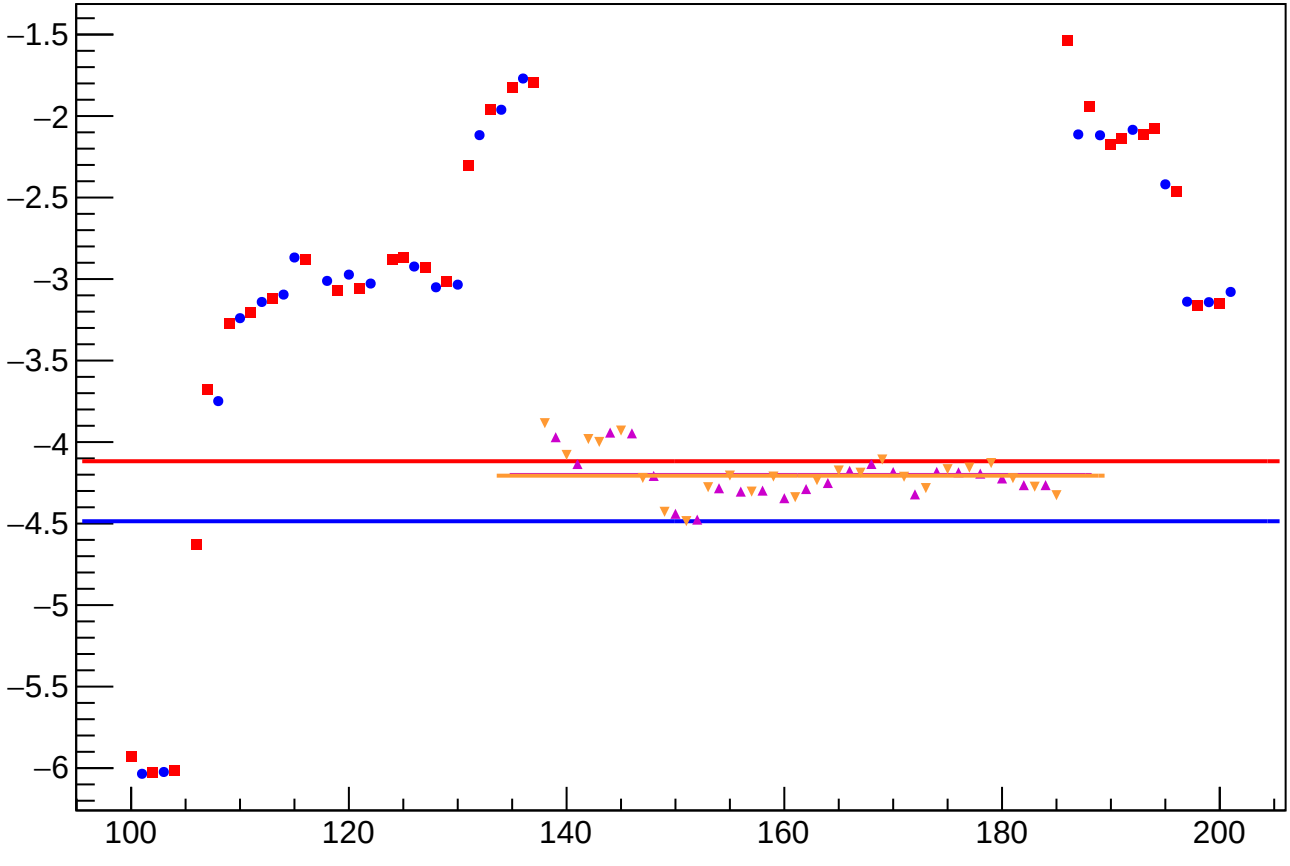
Right: 0.009+/-0.000 χ^2/NDF: 3506670.7/50

In: 0.008+/-0.000 χ^2/NDF:4028064.7/45

Out: 0.008+/-0.000 χ^2/NDF:4101717.7/52

All: 0.008+/-0.000 χ^2/NDF: 8135352.6/98

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: -4.118+/-0.000 χ^2/NDF: 297382897607.4/27

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

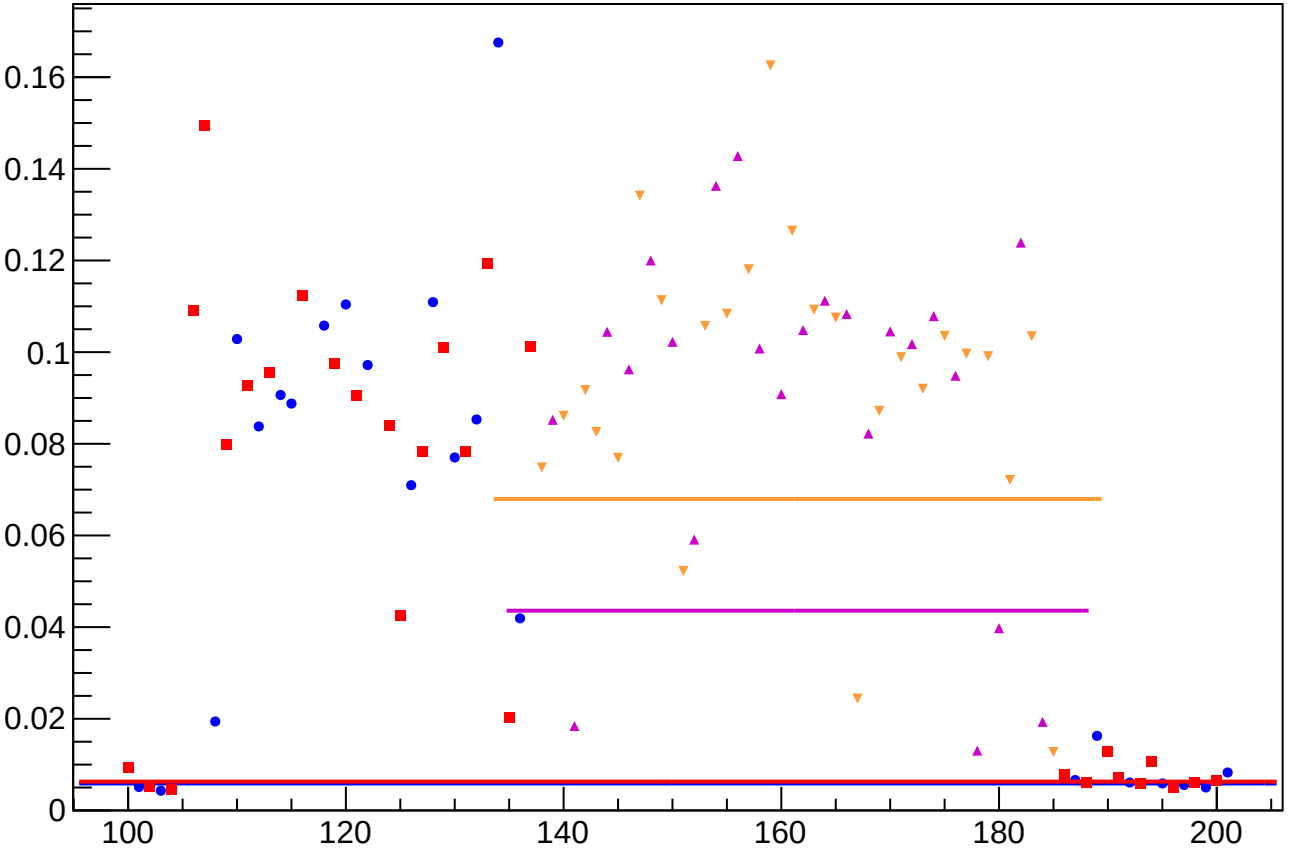
Right: -4.311+/-0.000 χ^2/NDF: 568958659341.6/50

In: -4.474+/-0.000 χ^2/NDF:265832481041.1/45

Out: -4.120+/-0.000 χ^2/NDF:297464694533.3/52

All: -4.307+/-0.000 χ^2/NDF: 569138731717.5

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: 8912749.4/27

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

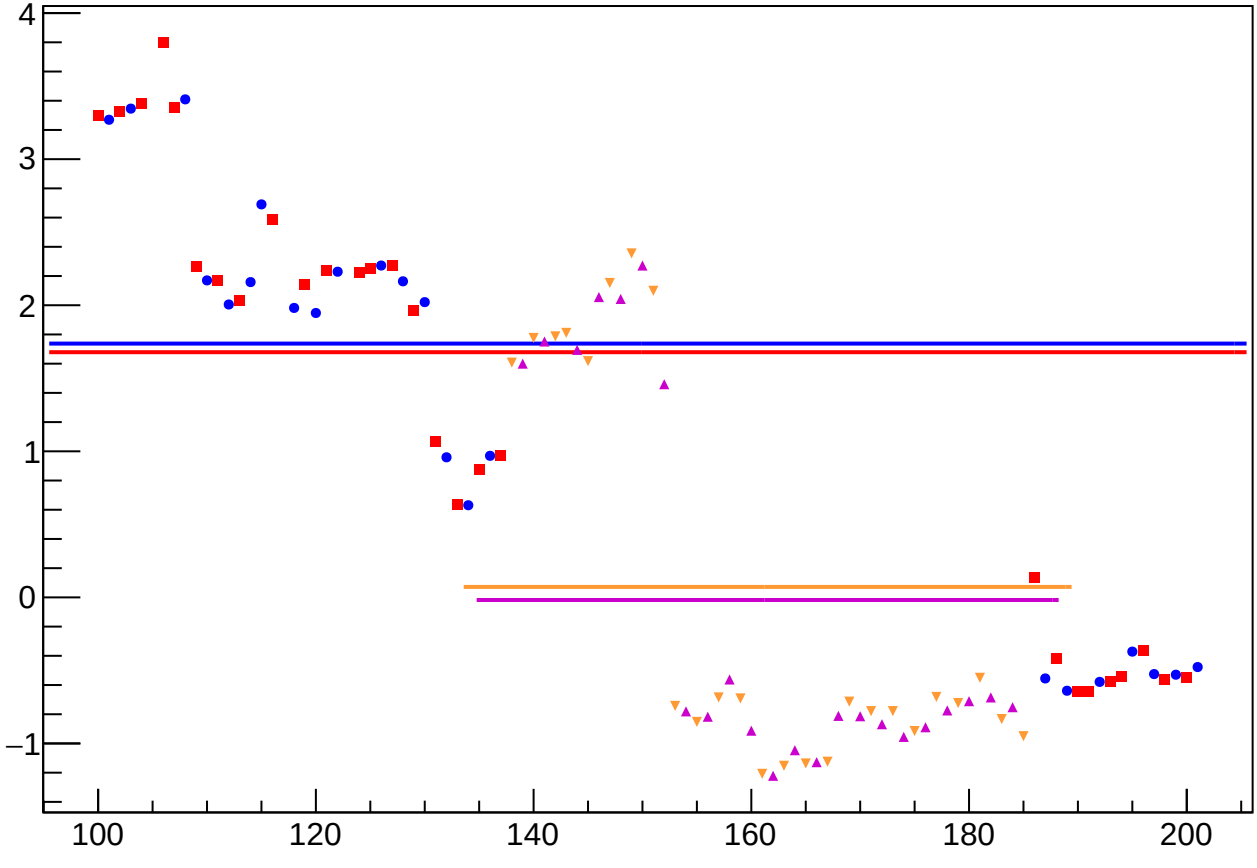
Right: 0.006+/-0.000 χ^2/NDF: 17789473.3/50

In: 0.007+/-0.000 χ^2/NDF:32773545.3/45

Out: 0.008+/-0.000 χ^2/NDF:36169505.2/52

All: 0.008+/-0.000 χ^2/NDF: 68990212.7/98

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: 1.679+/-0.000 χ^2/NDF: 181249010763.4/27

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

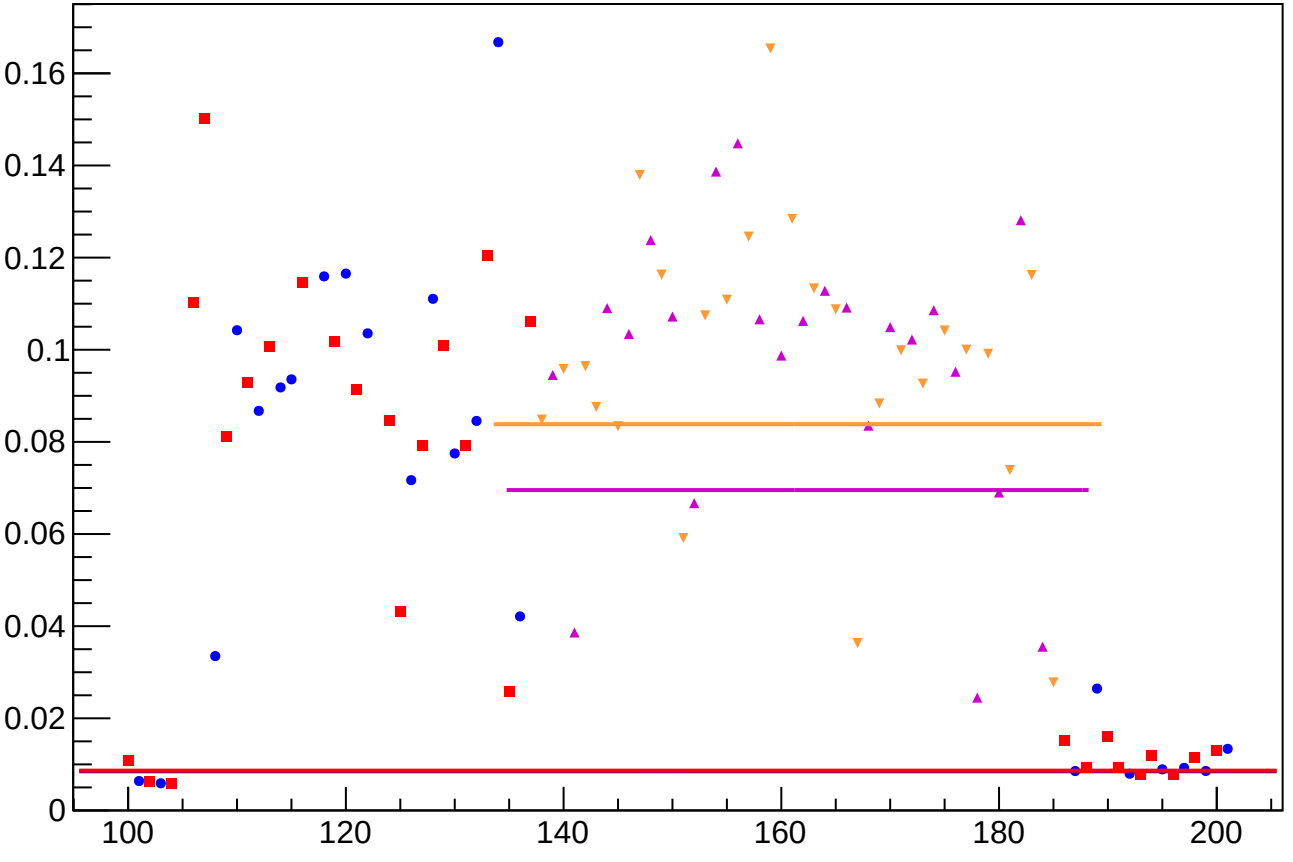
Right: 1.708+/-0.000 χ^2/NDF: 362389473204.8/50

In: 1.661+/-0.000 χ^2/NDF:191513043483.6/45

Out: 1.617+/-0.000 χ^2/NDF:189991356078.8/52

All: 1.639+/-0.000 χ^2/NDF: 381557142996.5

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: 8802047.9/27

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

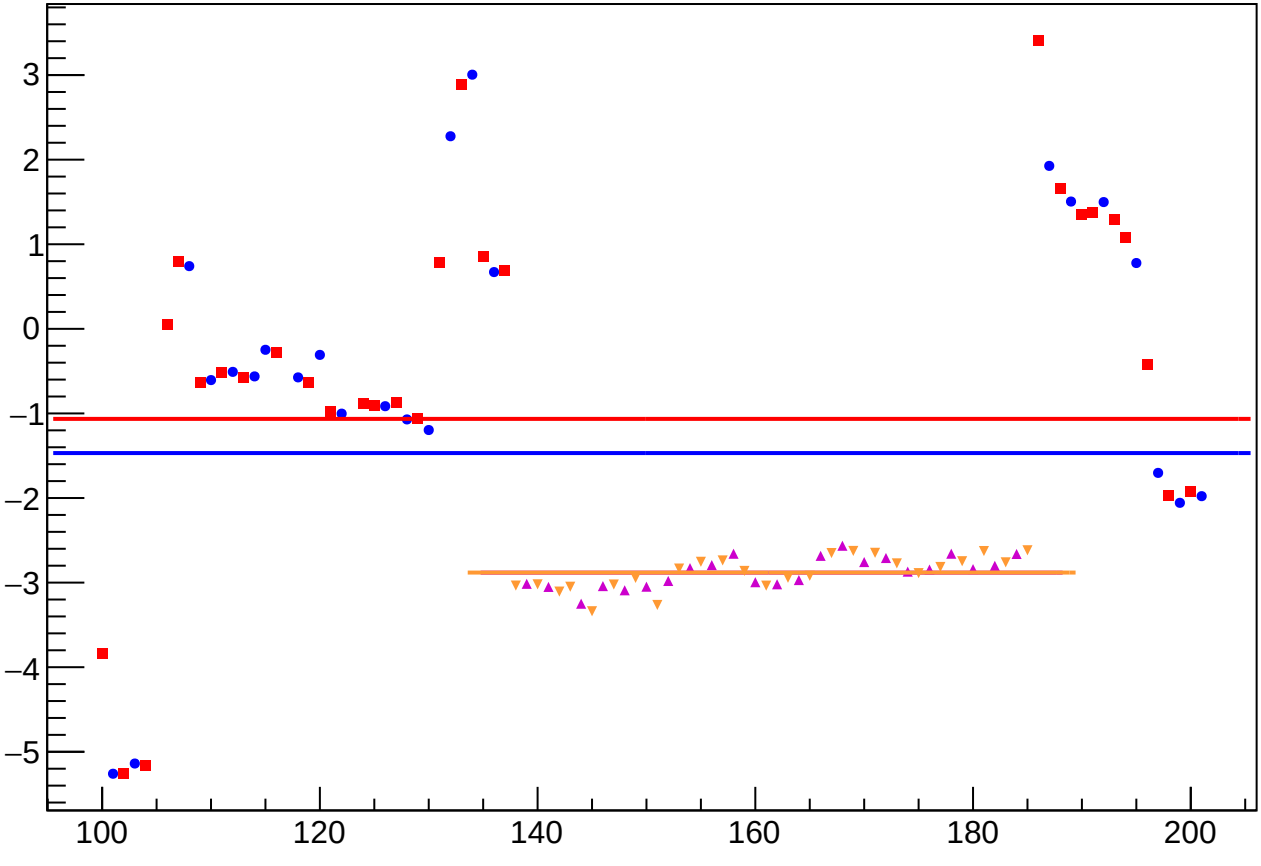
Right: 0.009+/-0.000 χ^2/NDF: 17483641.3/50

In: 0.011+/-0.000 χ^2/NDF:32321449.0/45

Out: 0.012+/-0.000 χ^2/NDF:34998337.8/52

All: 0.011+/-0.000 χ^2/NDF: 67327116.7/98

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: -1.064+/-0.000 χ^2/NDF: 232770237498.3/27

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

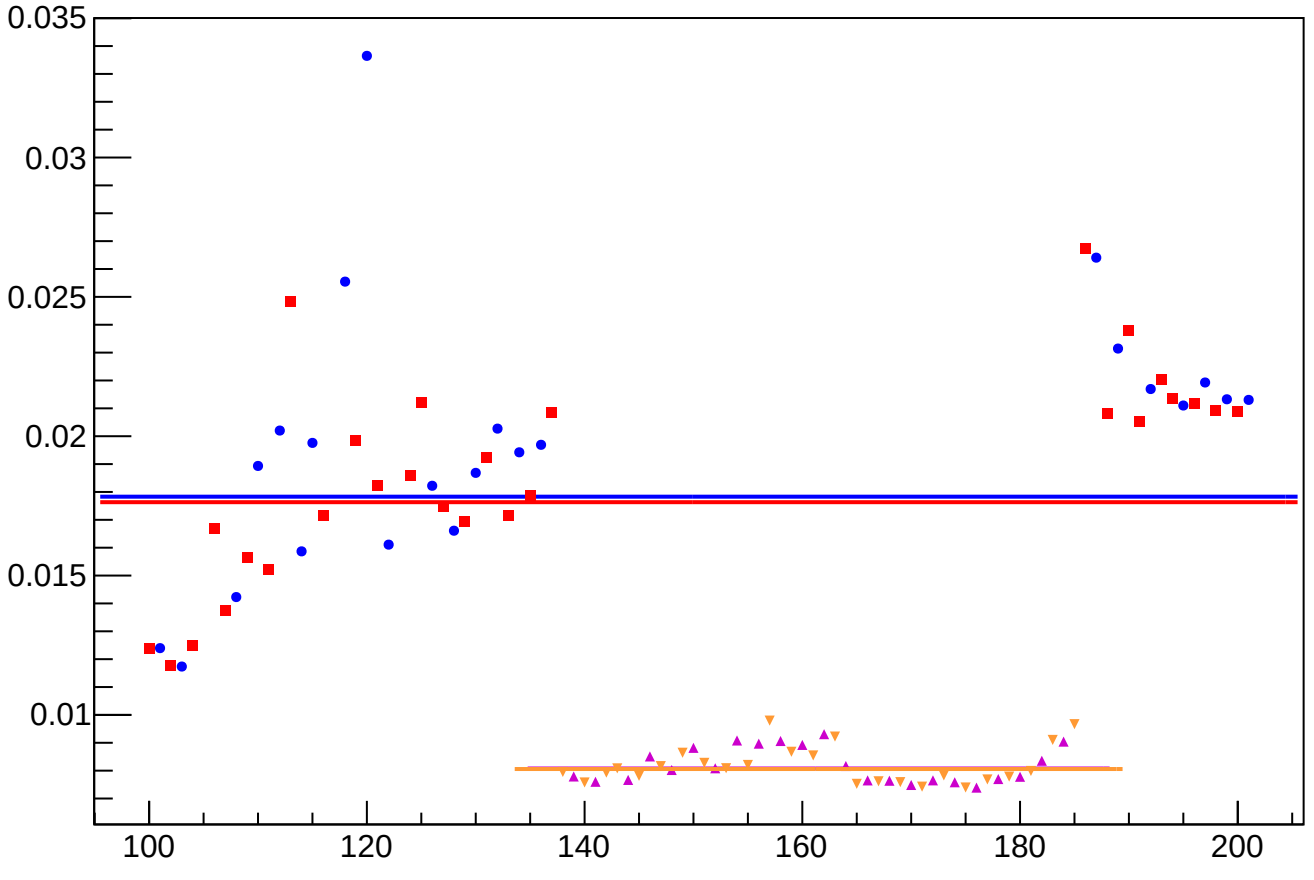
Right: -1.250+/-0.000 χ^2/NDF: 442962961250.6/50

In: -2.727+/-0.000 χ^2/NDF:274495381303.7/45

Out: -2.662+/-0.000 χ^2/NDF:356203830388.0/52

All: -2.693+/-0.000 χ^2/NDF: 631342038687.3

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: 1119444.4/27

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

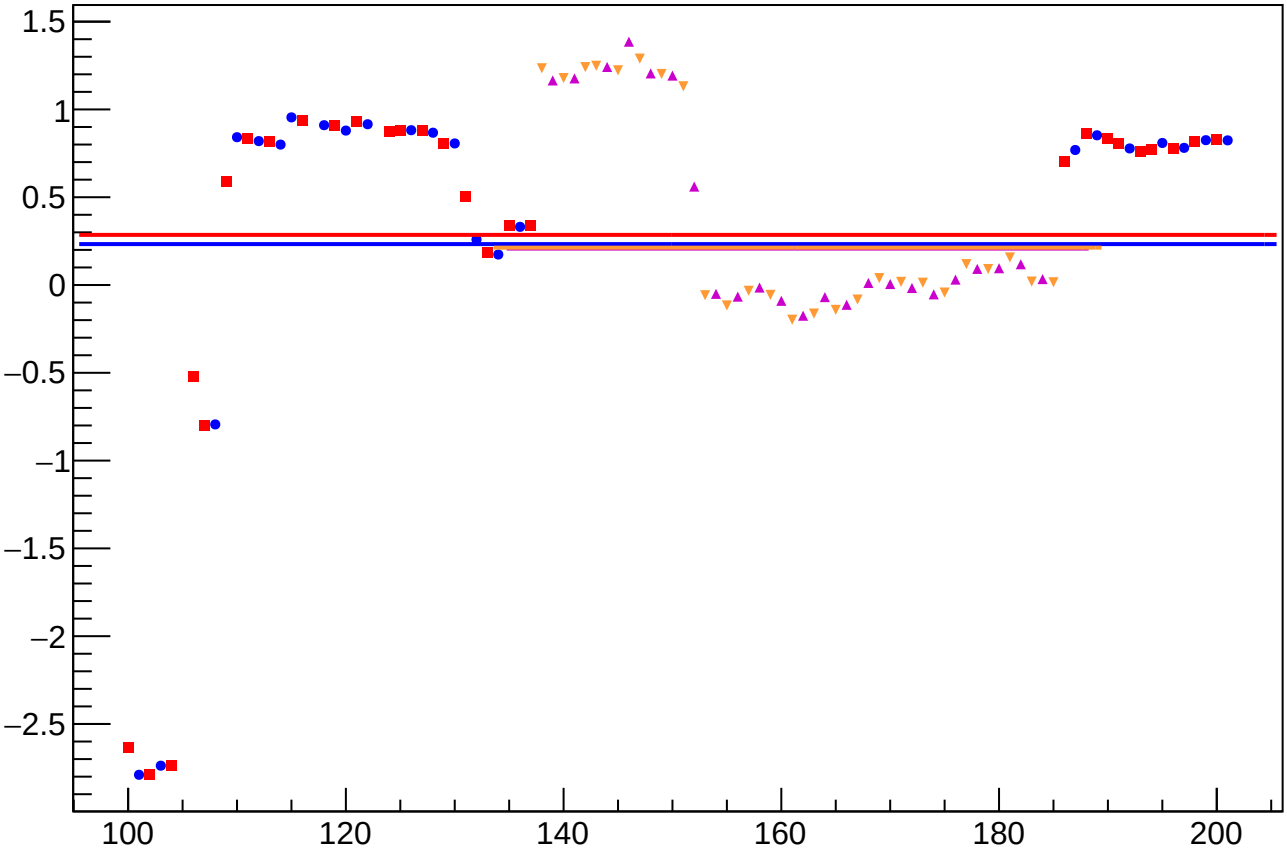
Right: 0.018+/-0.000 χ^2/NDF: 2338026.6/50

In: 0.009+/-0.000 χ^2/NDF:7006672.0/45

Out: 0.009+/-0.000 χ^2/NDF:7575207.7/52

All: 0.009+/-0.000 χ^2/NDF: 14582970.1/98

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: 0.285+/-0.000 χ^2/NDF: 1026161372586.2/27

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

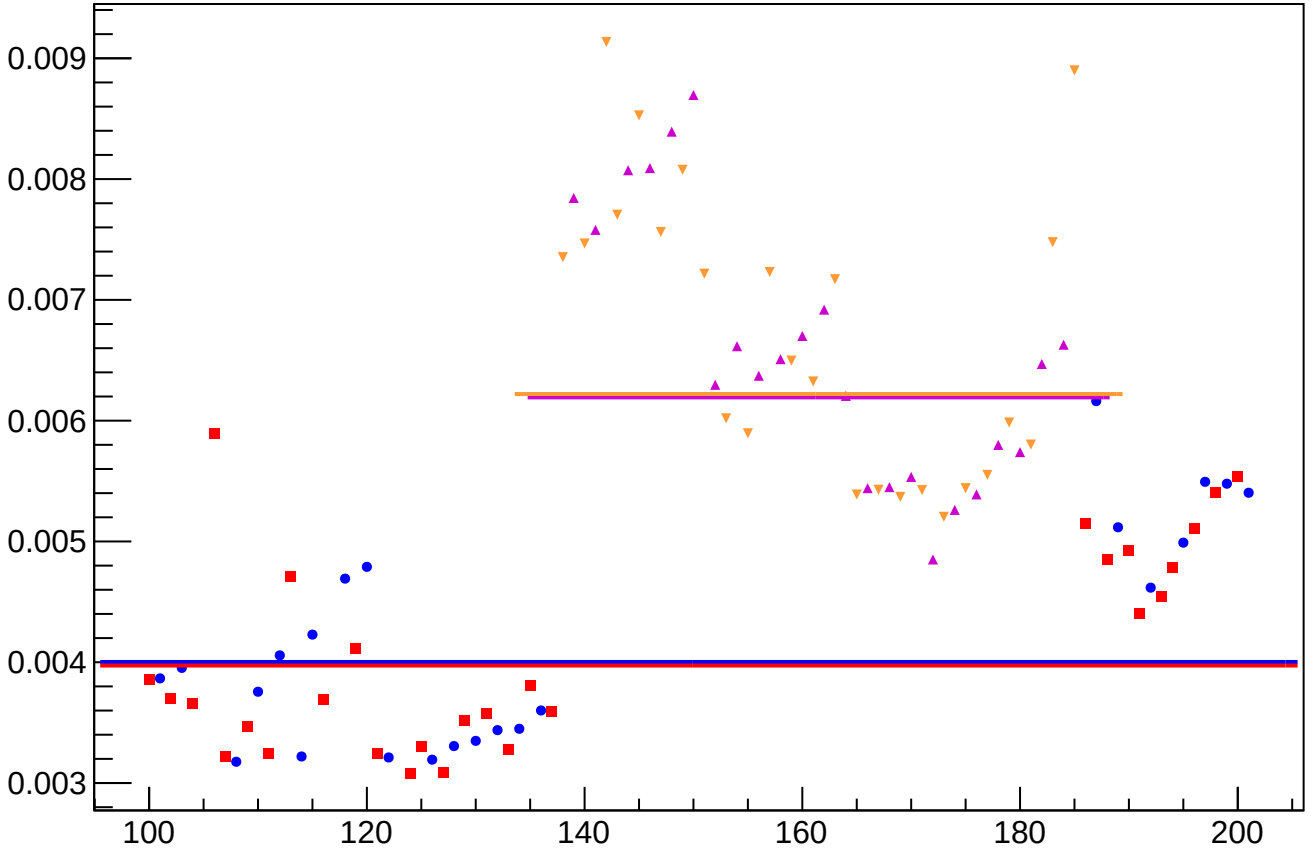
Right: 0.261+/-0.000 χ^2/NDF: 1960914504281.5/50

In: 0.224+/-0.000 χ^2/NDF:1021001913095.7/45

Out: 0.260+/-0.000 χ^2/NDF:1130461292022.8/52

All: 0.243+/-0.000 χ^2/NDF: 2152241632083.

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: 967616.7/27

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

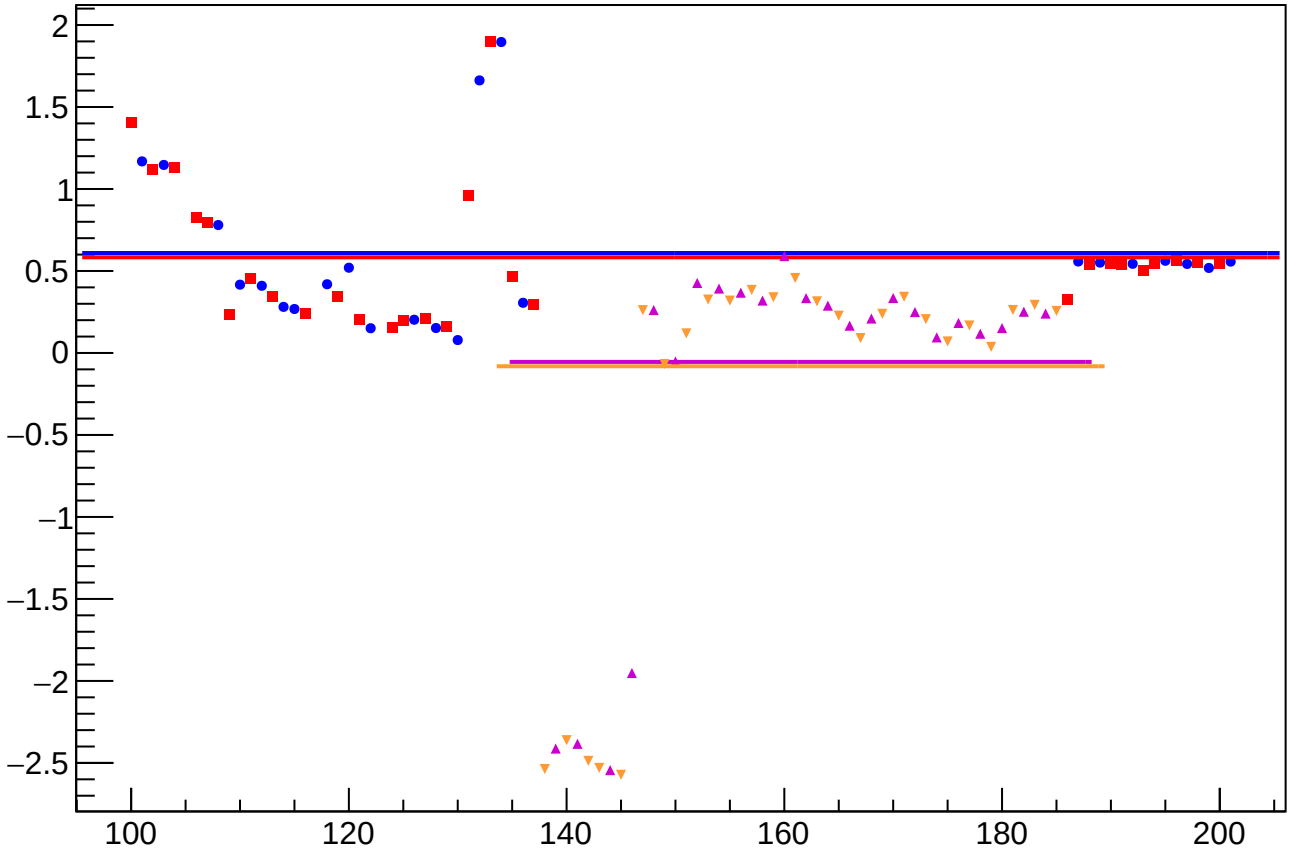
Right: 0.004+/-0.000 χ^2/NDF: 1864904.5/50

In: 0.005+/-0.000 χ^2/NDF:4213197.2/45

Out: 0.005+/-0.000 χ^2/NDF:4608164.0/52

All: 0.005+/-0.000 χ^2/NDF: 8824561.5/98

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: 0.583+/-0.000 χ^2/NDF: 43555580473.9/27

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

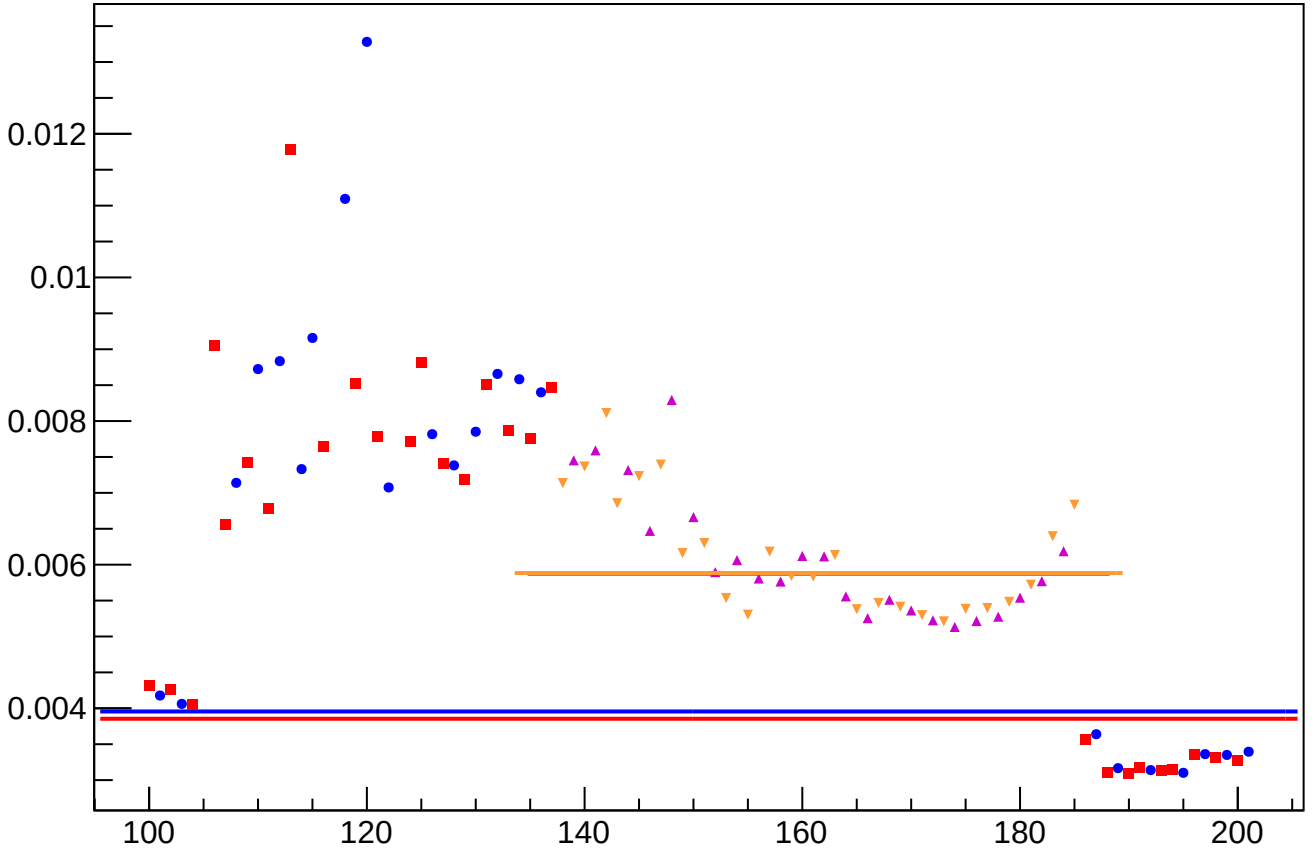
Right: 0.595+/-0.000 χ^2/NDF: 87221331447.9/50

In: 0.315+/-0.000 χ^2/NDF:509521869797.4/45

Out: 0.312+/-0.000 χ^2/NDF:564372398547.6/52

All: 0.314+/-0.000 χ^2/NDF: 1073898366575.

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: 3376797.0/27

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

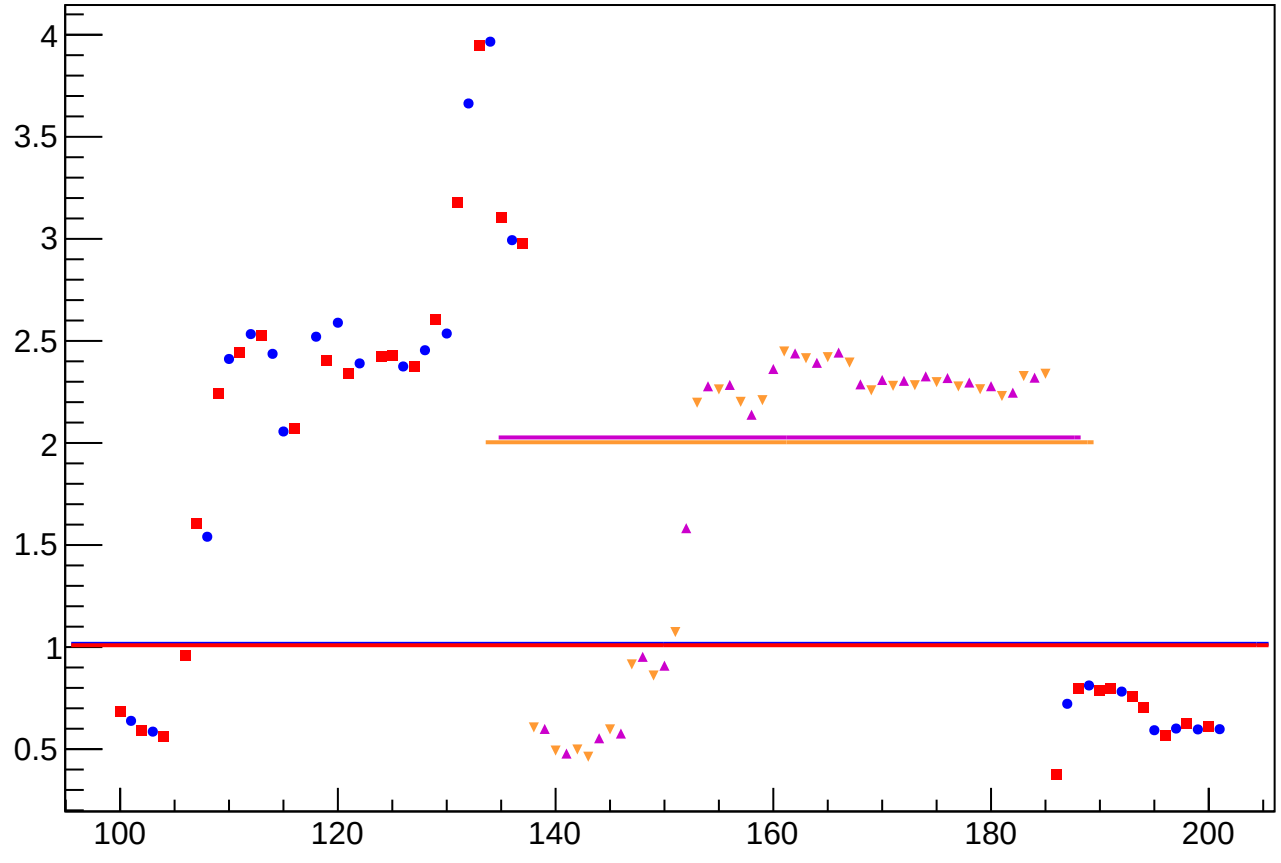
Right: 0.004+/-0.000 χ^2/NDF: 6740333.8/50

In: 0.005+/-0.000 χ^2/NDF:5865439.8/45

Out: 0.005+/-0.000 χ^2/NDF:6306255.8/52

All: 0.005+/-0.000 χ^2/NDF: 12189979.2/98

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: 1.009+/-0.000 χ^2/NDF: 252927847479.7/27

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

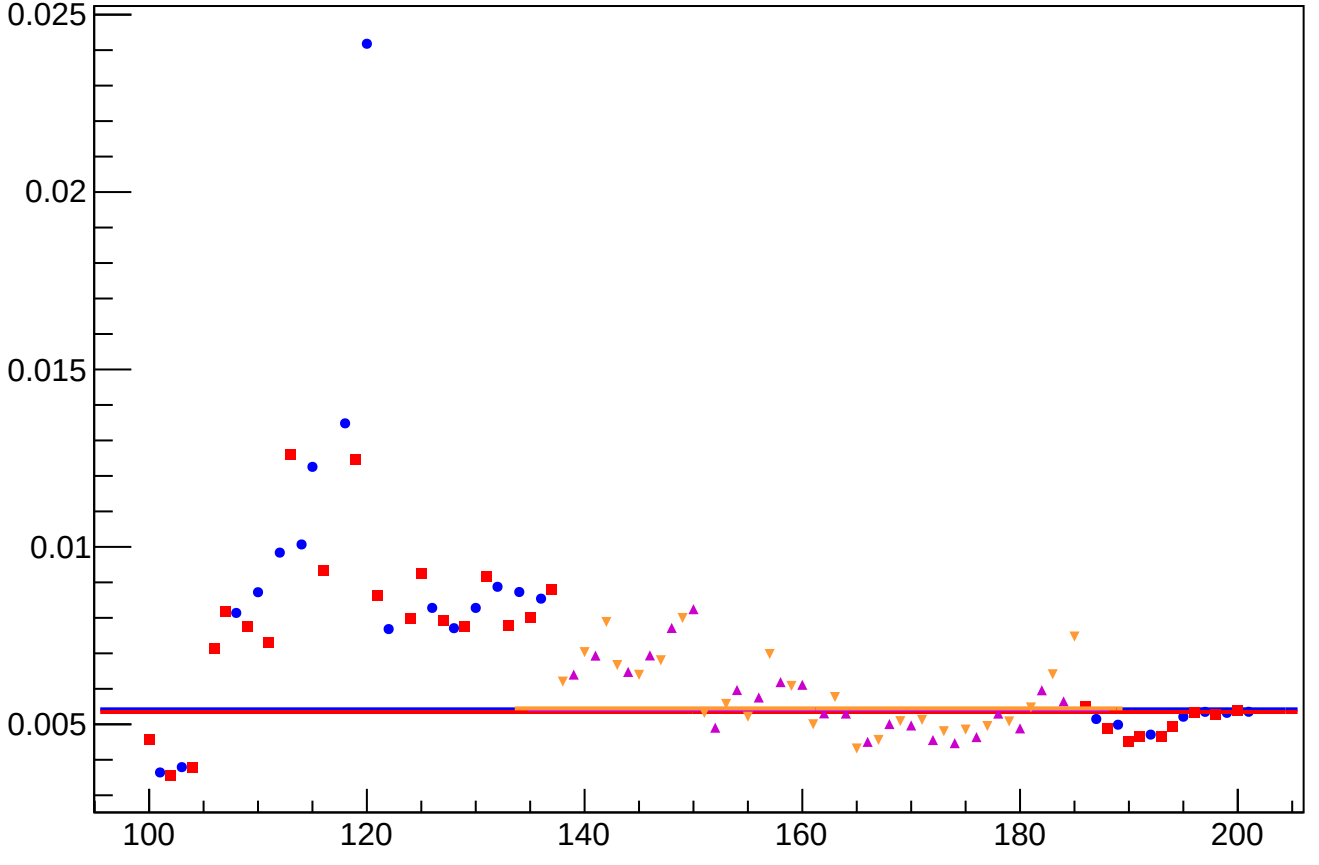
Right: 1.012+/-0.000 χ^2/NDF: 475301453966.3/50

In: 1.635+/-0.000 χ^2/NDF:627339052042.2/45

Out: 1.587+/-0.000 χ^2/NDF:700637413277.0/52

All: 1.610+/-0.000 χ^2/NDF: 1329043919750.

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: 2124521.2/27

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

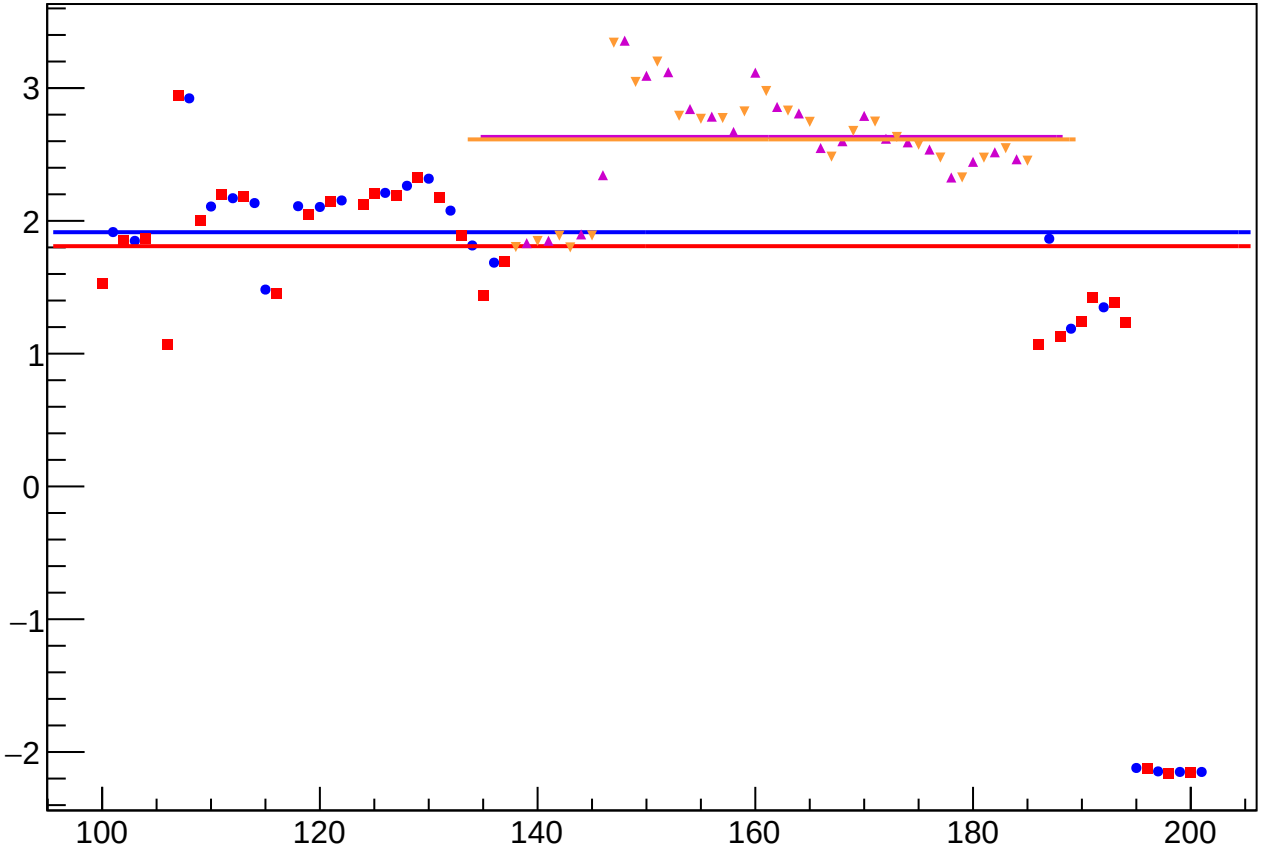
Right: 0.005+/-0.000 χ^2/NDF: 4433784.5/50

In: 0.005+/-0.000 χ^2/NDF:3122465.0/45

Out: 0.005+/-0.000 χ^2/NDF:2900768.4/52

All: 0.005+/-0.000 χ^2/NDF: 6023258.9/98

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: 1.809+/-0.000 χ^2/NDF: 88906818288.3/27

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

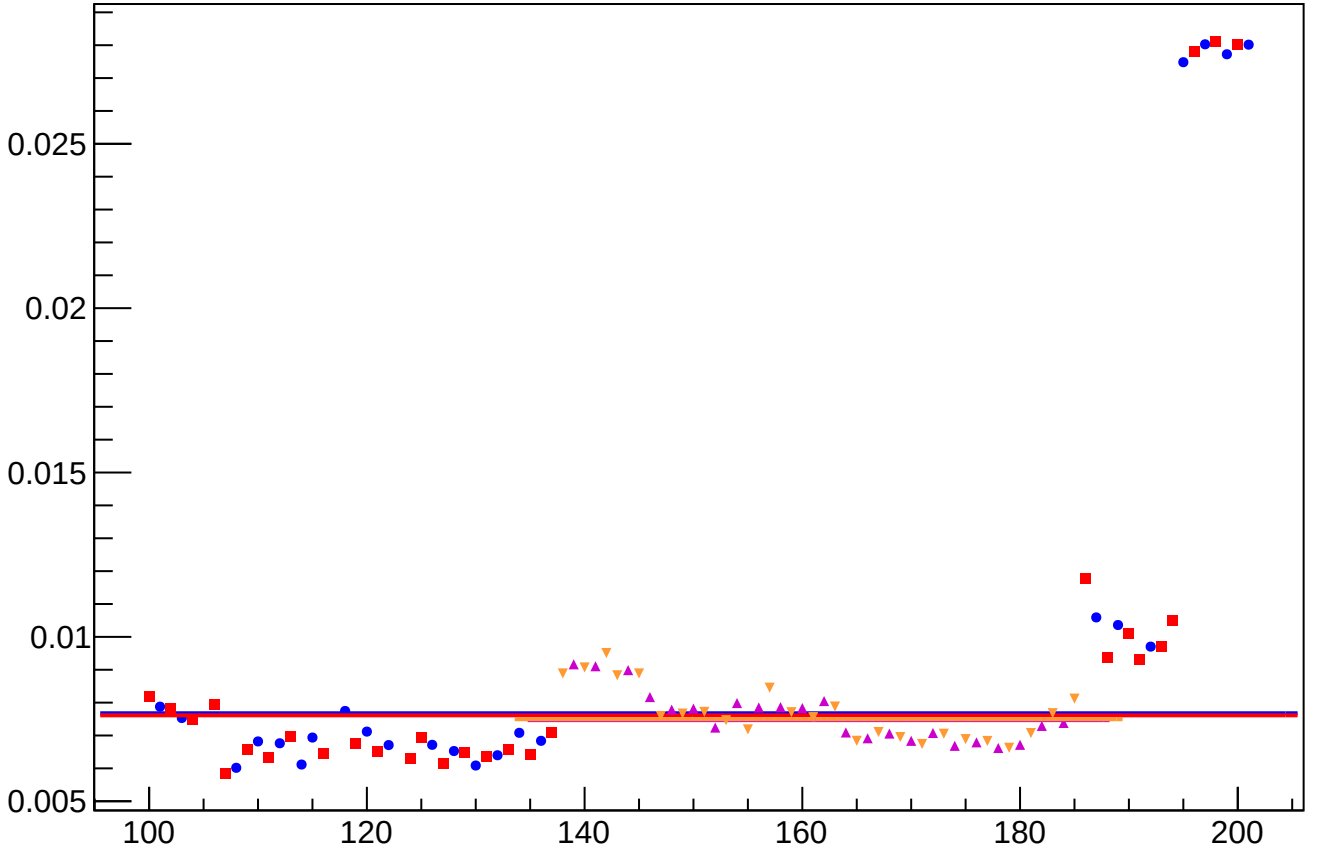
Right: 1.858+/-0.000 χ^2/NDF: 187320222272.1/50

In: 2.380+/-0.000 χ^2/NDF:194019035466.0/45

Out: 2.308+/-0.000 χ^2/NDF:214533094716.7/52

All: 2.343+/-0.000 χ^2/NDF: 409843176043.3

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: 3461343.3/27

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

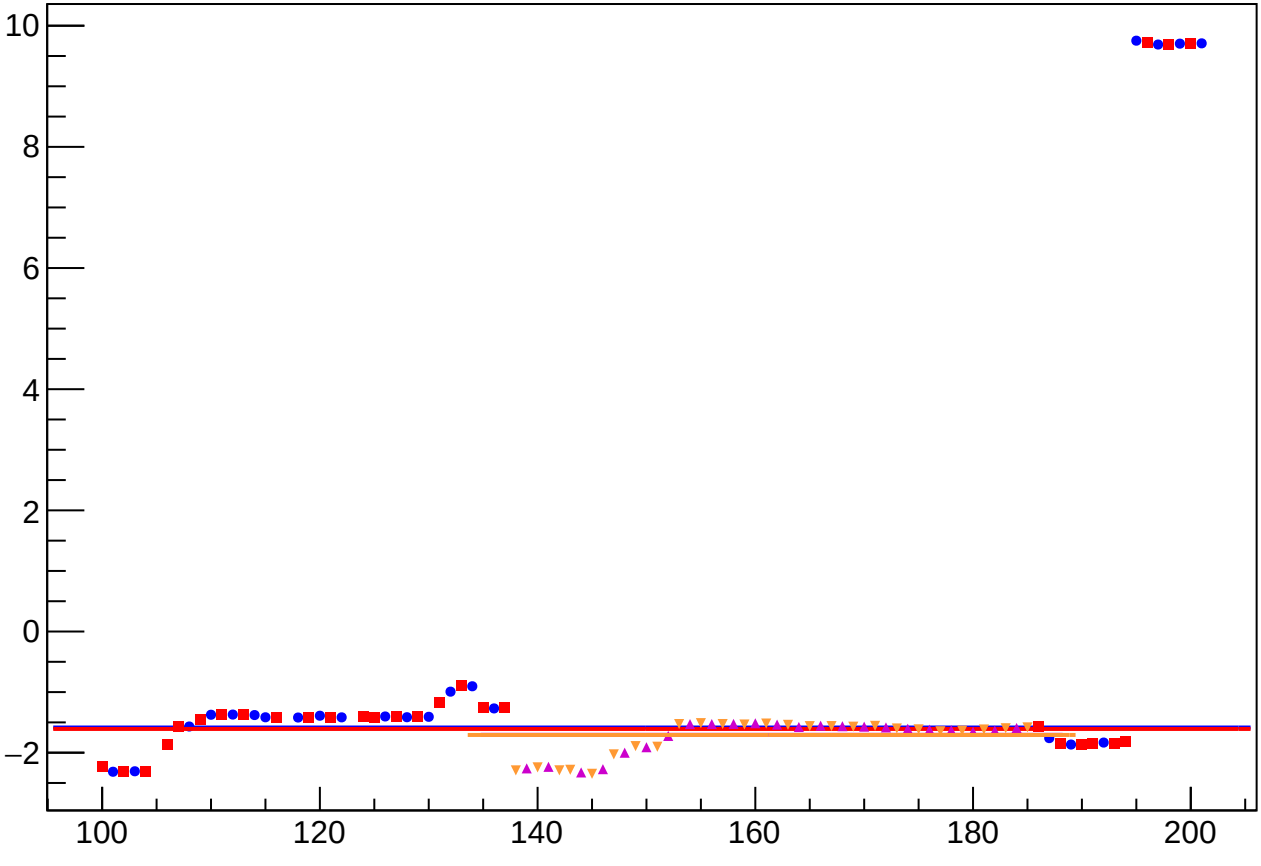
Right: 0.008+/-0.000 χ^2/NDF: 7525616.0/50

In: 0.008+/-0.000 χ^2/NDF:4394939.4/45

Out: 0.008+/-0.000 χ^2/NDF:3797462.0/52

All: 0.008+/-0.000 χ^2/NDF: 8192401.7/98

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: -1.608+/-0.000 χ^2/NDF: 281039948285.3/27

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

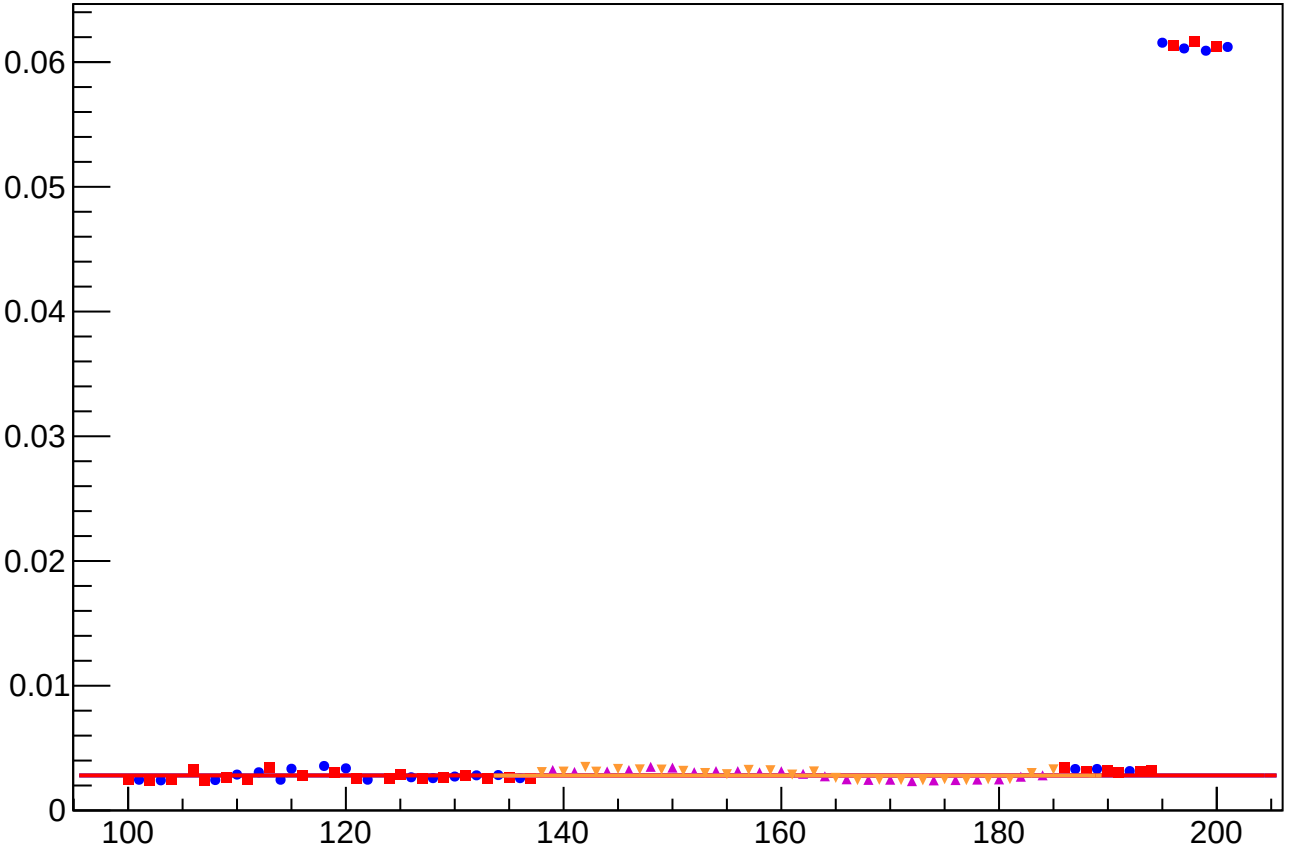
Right: -1.597+/-0.000 χ^2/NDF: 583974609039.7/50

In: -1.665+/-0.000 χ^2/NDF:449793646127.2/45

Out: -1.671+/-0.000 χ^2/NDF:441214195143.4/52

All: -1.668+/-0.000 χ^2/NDF: 891064555769.2

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: 4901107.6/27

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

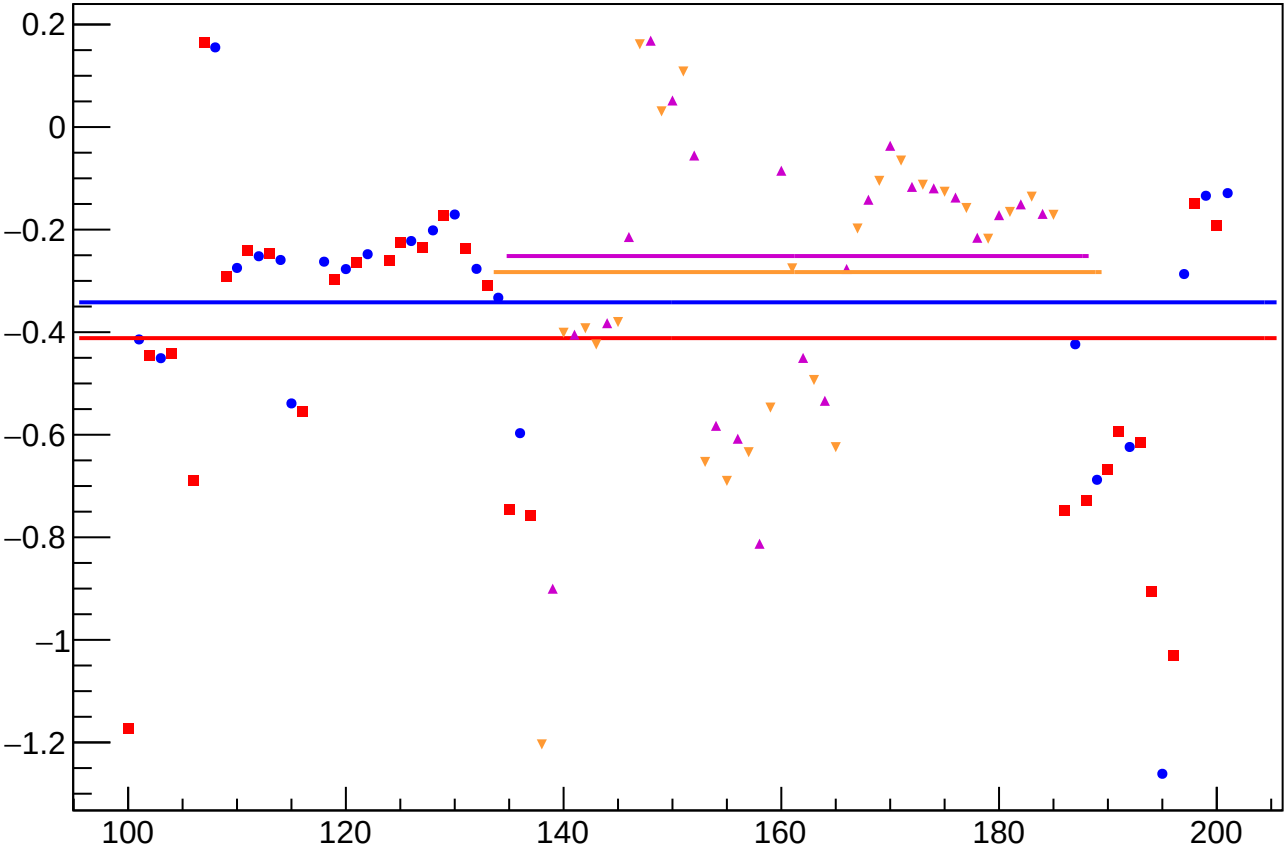
Right: 0.003+/-0.000 χ^2/NDF: 11369060.6/50

In: 0.003+/-0.000 χ^2/NDF:7025685.7/45

Out: 0.003+/-0.000 χ^2/NDF:5449126.7/52

All: 0.003+/-0.000 χ^2/NDF: 12475155.0/98

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: -0.412+/-0.000 χ^2/NDF: 5697937745.8/27

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

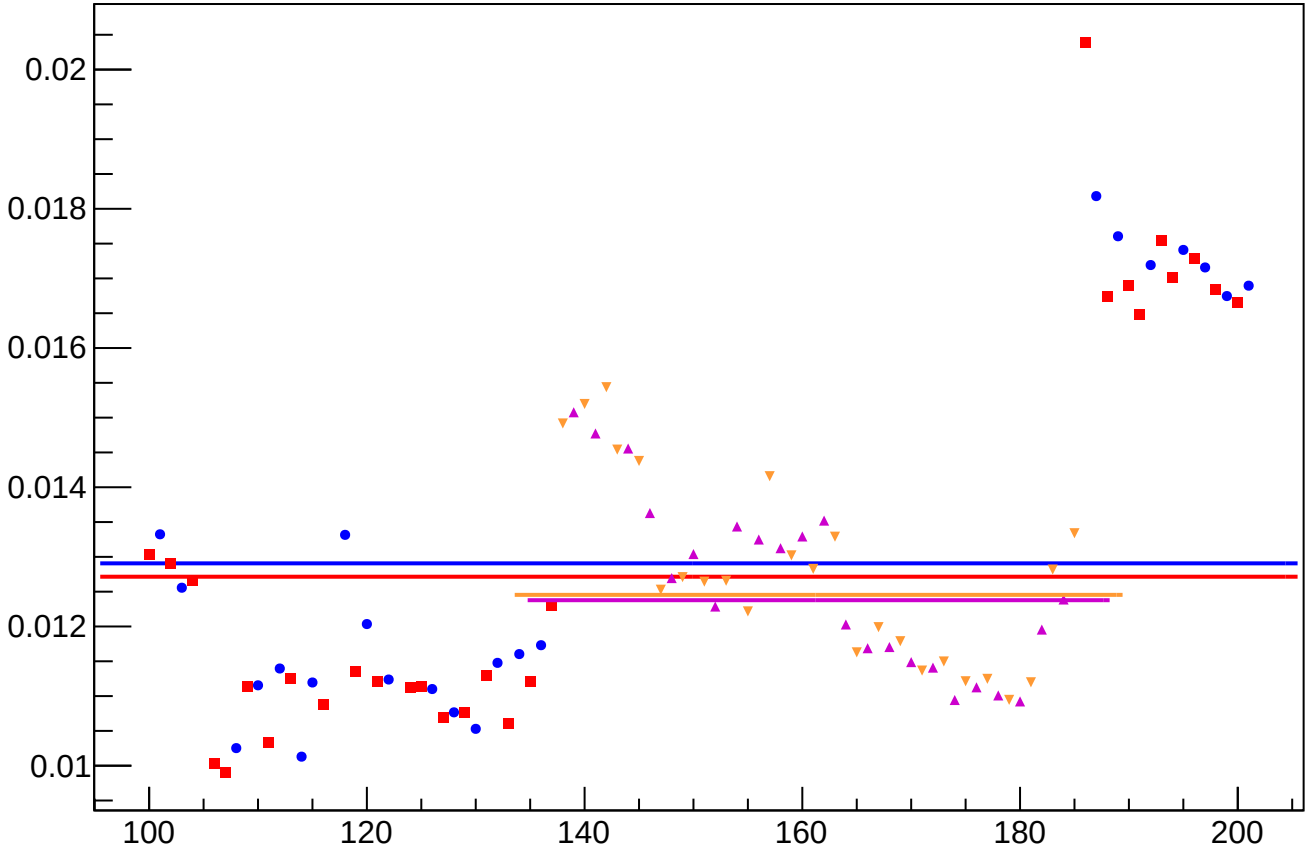
Right: -0.379+/-0.000 χ^2/NDF: 10777670987.0/50

In: -0.286+/-0.000 χ^2/NDF:12416273592.7/45

Out: -0.335+/-0.000 χ^2/NDF:15826378532.8/52

All: -0.311+/-0.000 χ^2/NDF: 28467948354.9/

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: 1180796.4/27

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

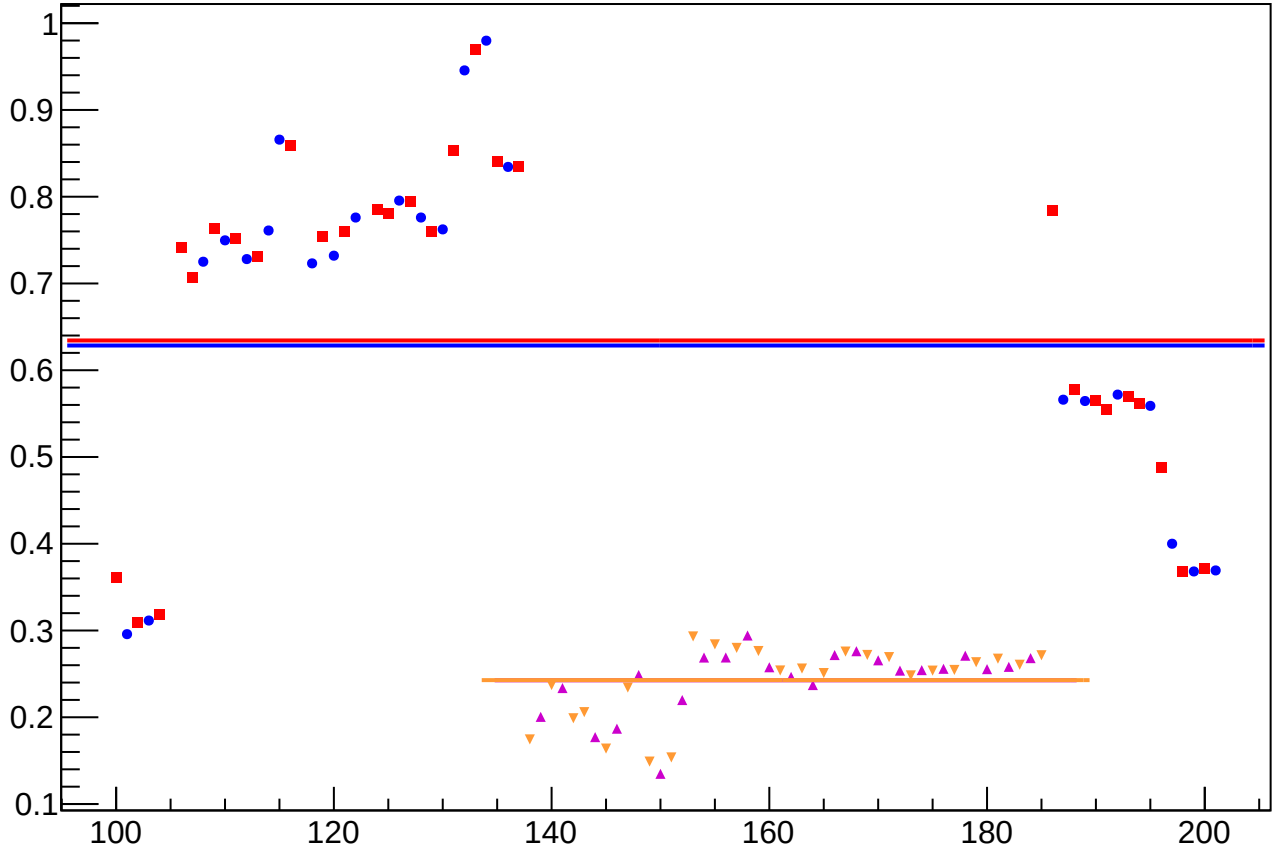
Right: 0.013+/-0.000 χ^2/NDF: 2089588.5/50

In: 0.013+/-0.000 χ^2/NDF:1257032.2/45

Out: 0.013+/-0.000 χ^2/NDF:1528652.2/52

All: 0.013+/-0.000 χ^2/NDF: 2785756.0/98

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: 0.634+/-0.000 χ^2/NDF: 69421162433.4/27

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

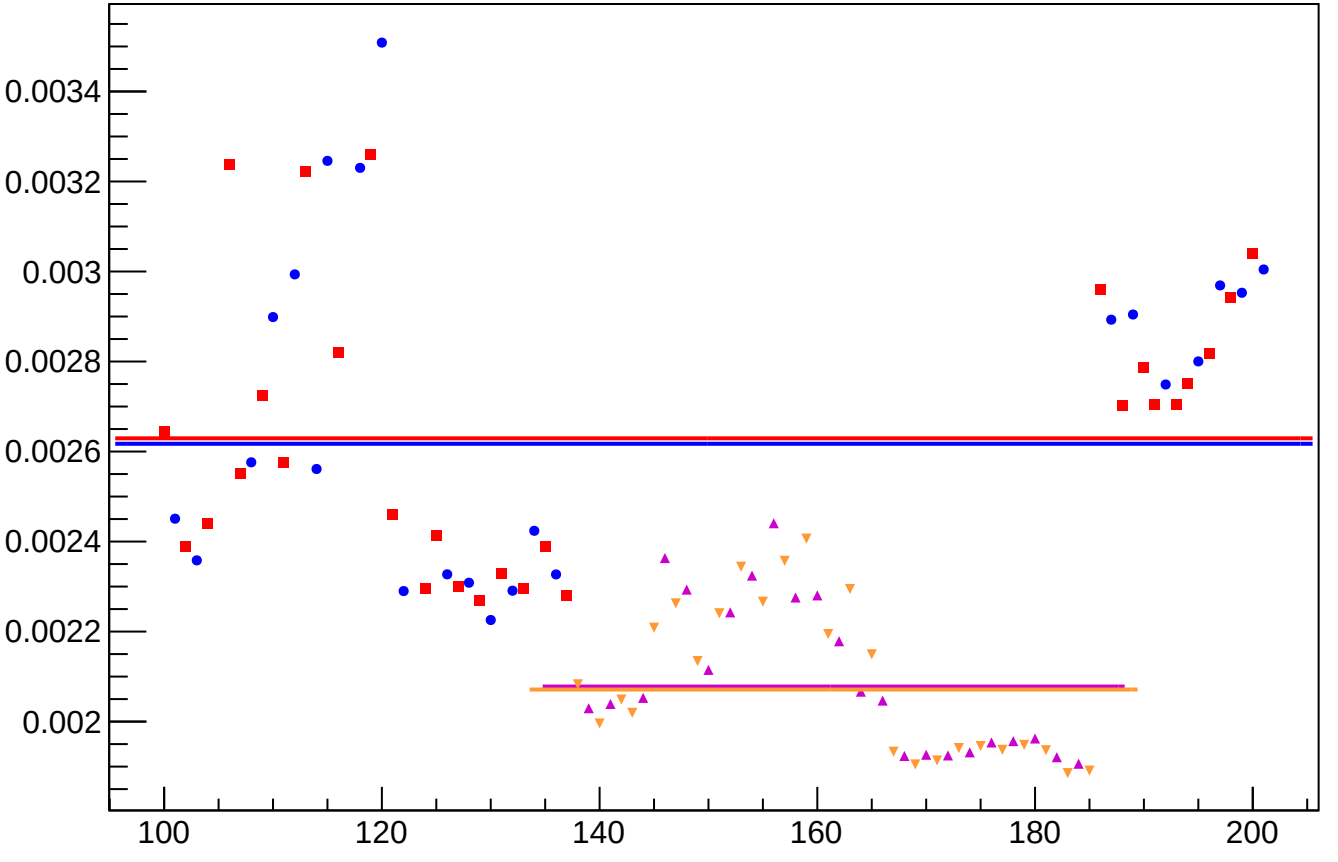
Right: 0.632+/-0.000 χ^2/NDF: 144704580762.5/50

In: 0.355+/-0.000 χ^2/NDF:262125775040.6/45

Out: 0.359+/-0.000 χ^2/NDF:279906465275.5/52

All: 0.357+/-0.000 χ^2/NDF: 542104525492.9

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: 290649.2/27

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

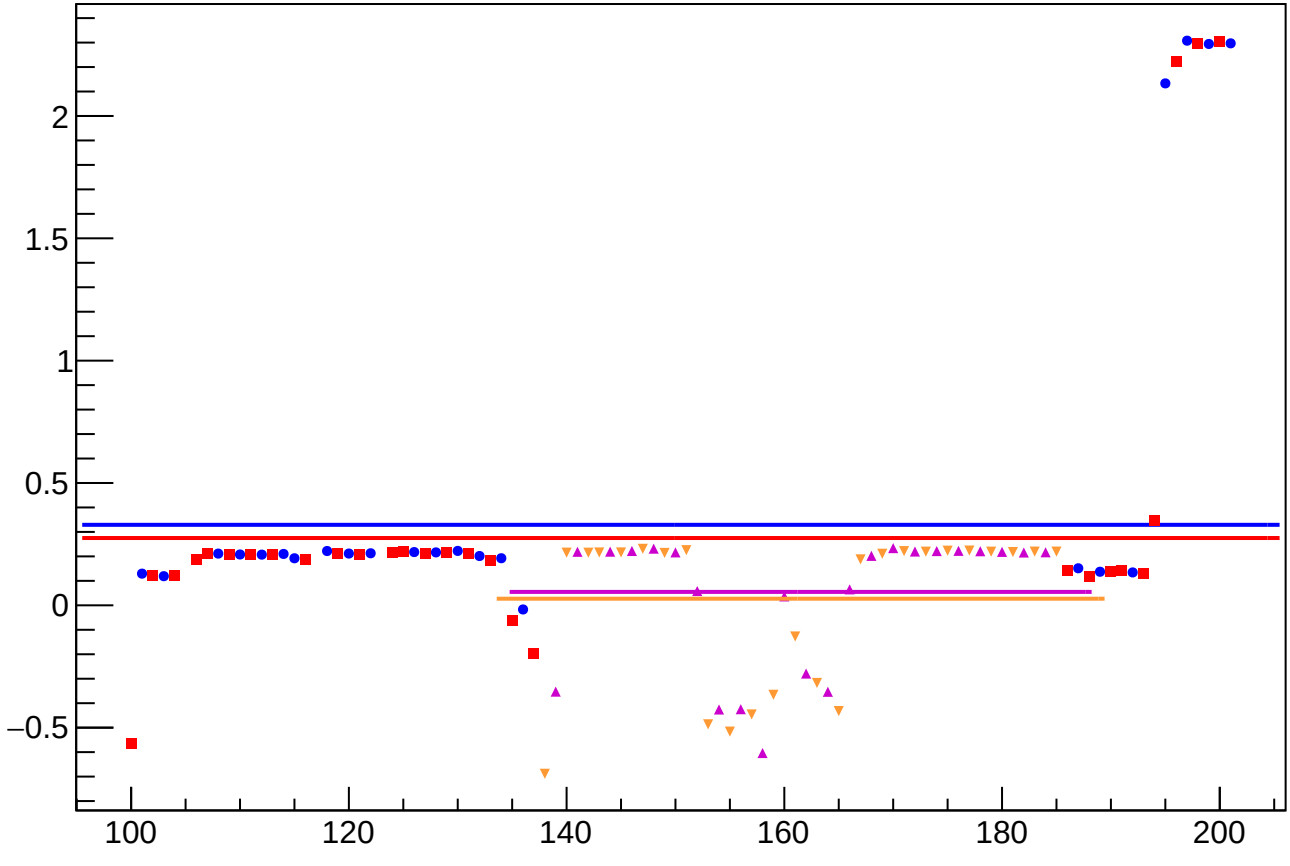
Right: 0.003+/-0.000 χ^2/NDF: 642494.6/50

In: 0.002+/-0.000 χ^2/NDF:1270597.1/45

Out: 0.002+/-0.000 χ^2/NDF:1350363.8/52

All: 0.002+/-0.000 χ^2/NDF: 2621019.5/98

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: 0.275+/-0.000 χ^2/NDF: 21920778348.4/27

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

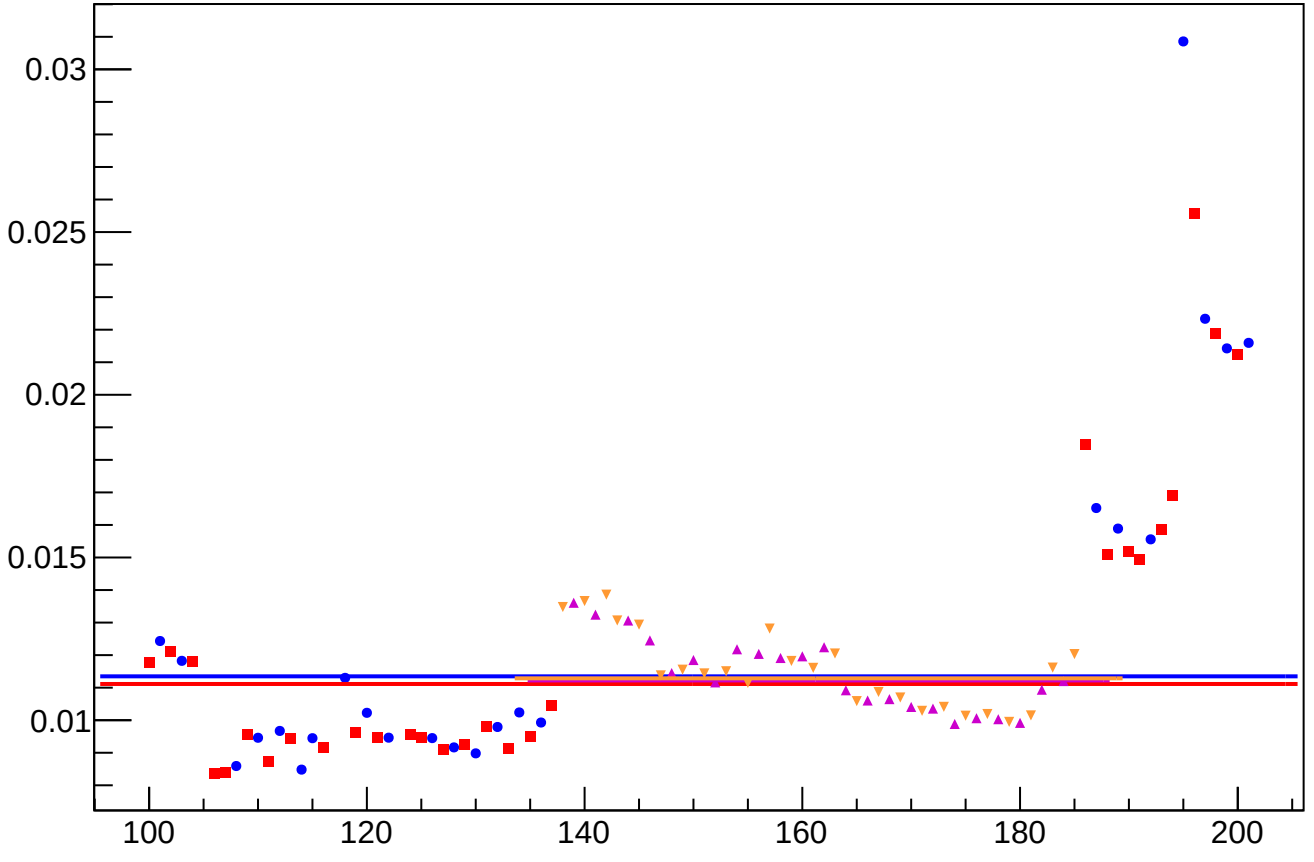
Right: 0.300+/-0.000 χ^2/NDF: 48051669225.3/50

In: 0.158+/-0.000 χ^2/NDF:39598491292.6/45

Out: 0.127+/-0.000 χ^2/NDF:38468704936.8/52

All: 0.142+/-0.000 χ^2/NDF: 78175785023.7/9

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: 2497329.4/27

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

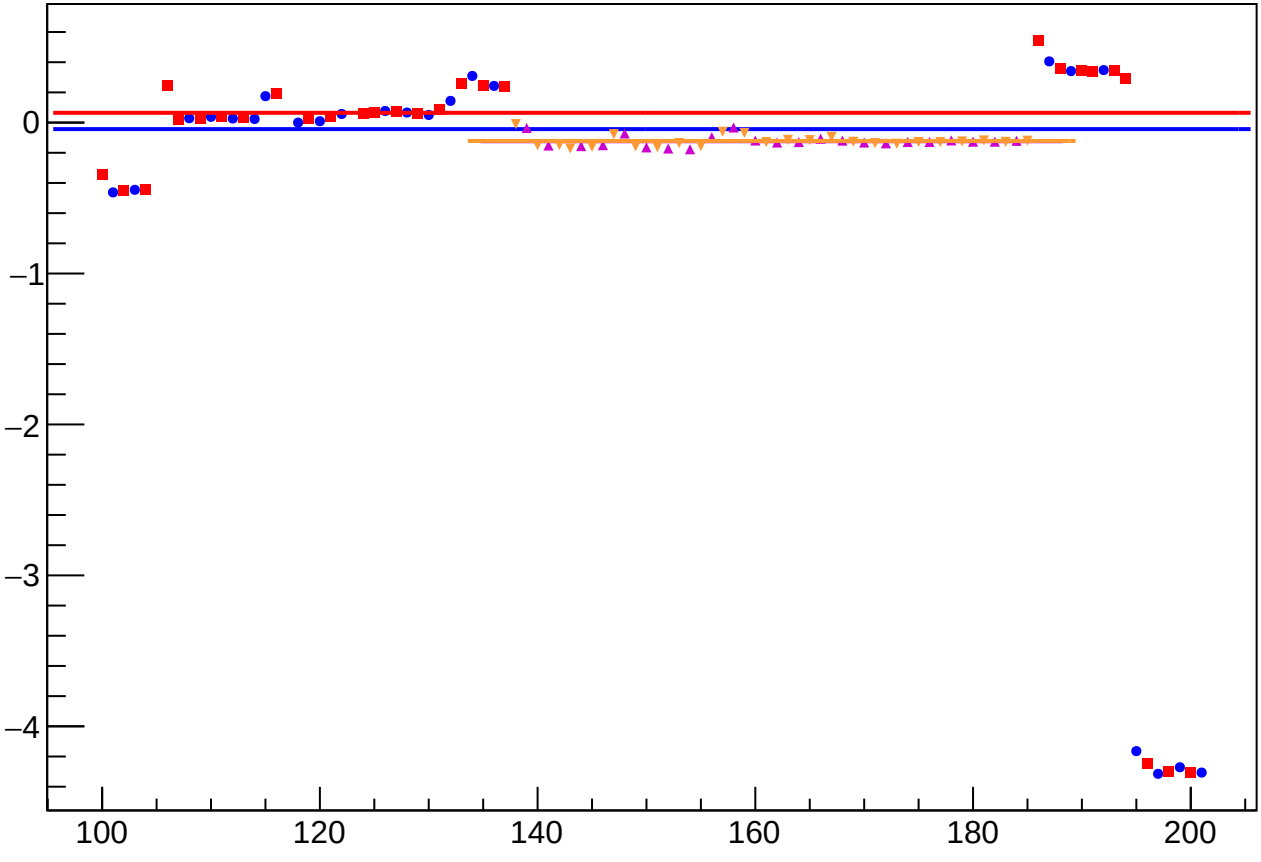
Right: 0.011+/-0.000 χ^2/NDF: 5067072.2/50

In: 0.011+/-0.000 χ^2/NDF:2881663.2/45

Out: 0.011+/-0.000 χ^2/NDF:2829077.5/52

All: 0.011+/-0.000 χ^2/NDF: 5711398.7/98

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: 0.065+/-0.000 χ^2/NDF: 183392329324.4/27

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

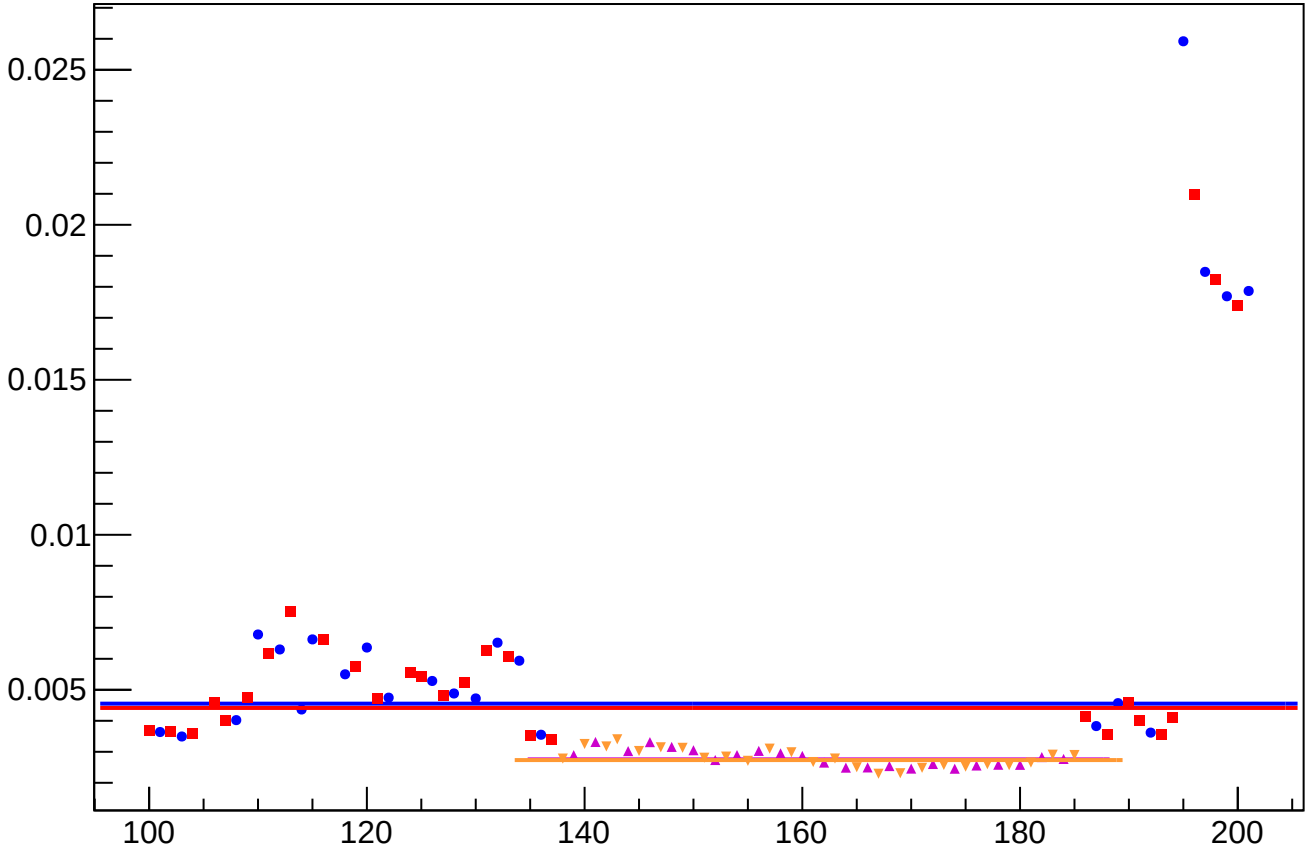
Right: 0.017+/-0.000 χ^2/NDF: 389957838665.2/50

In: -0.111+/-0.000 χ^2/NDF:208904854251.0/45

Out: -0.088+/-0.000 χ^2/NDF:201854898892.6/52

All: -0.099+/-0.000 χ^2/NDF: 411510280200.2

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: 3842362.1/27

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

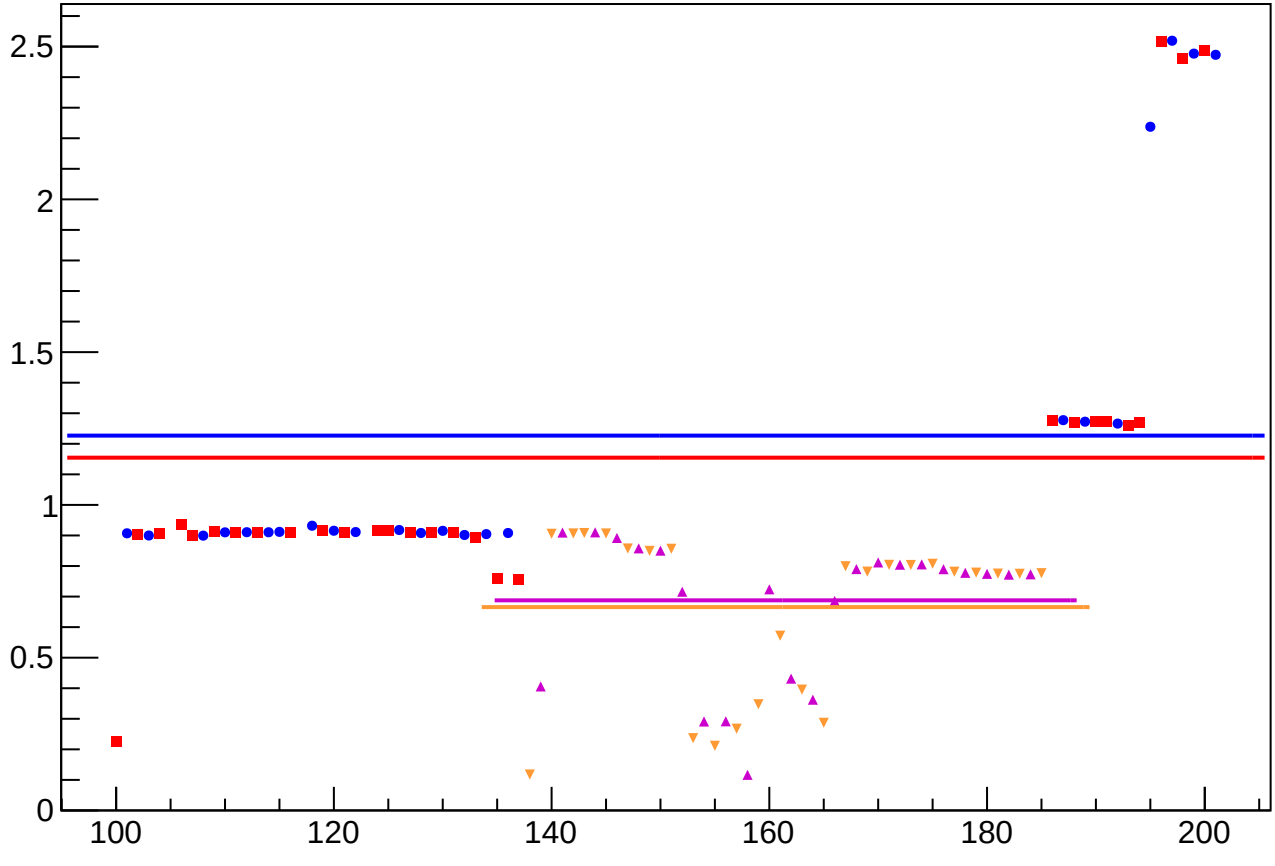
Right: 0.004+/-0.000 χ^2/NDF: 8673359.7/50

In: 0.003+/-0.000 χ^2/NDF:7476755.0/45

Out: 0.003+/-0.000 χ^2/NDF:6759640.5/52

All: 0.003+/-0.000 χ^2/NDF: 14236475.3/98

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: 1.155+/-0.000 χ^2/NDF: 24854958785.1/27

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

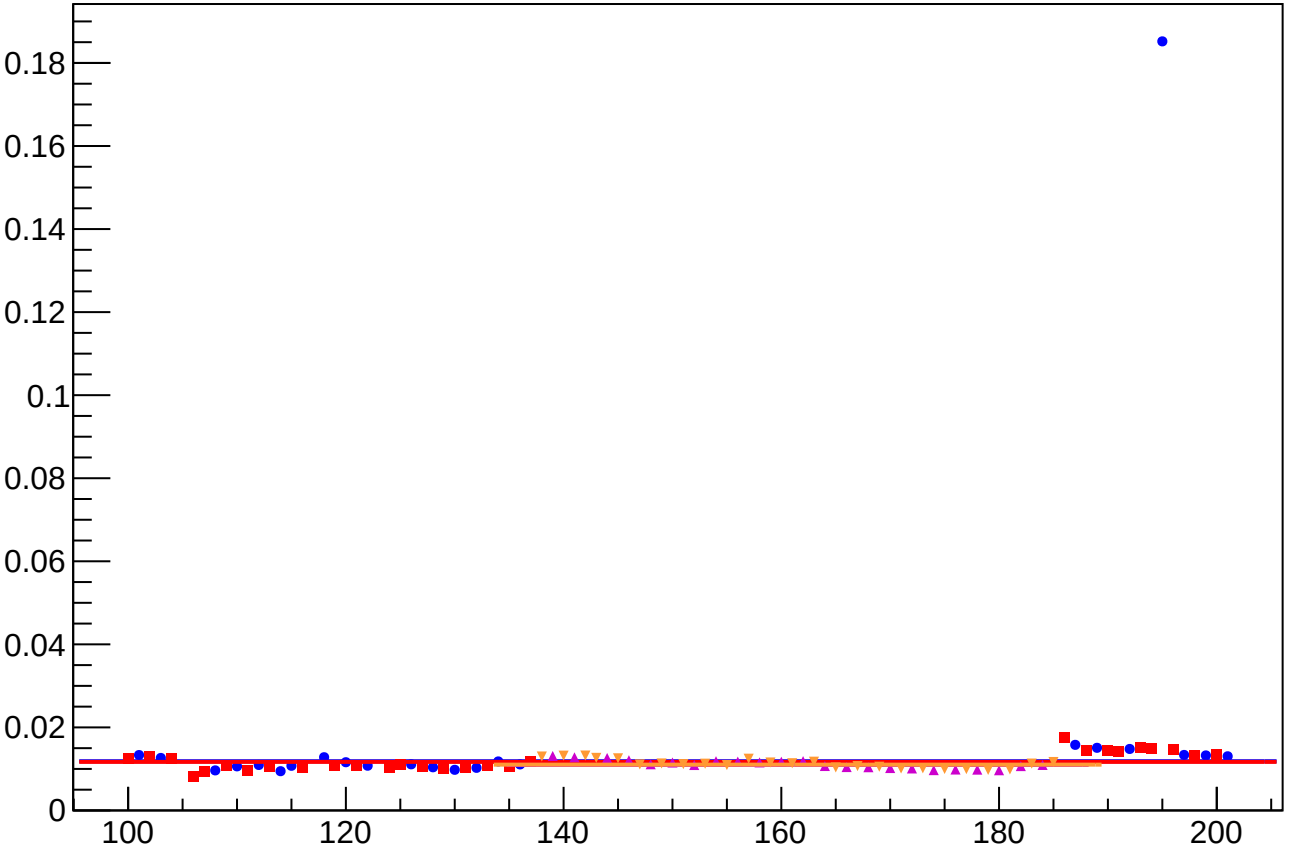
Right: 1.188+/-0.000 χ^2/NDF: 52929723296.8/50

In: 0.876+/-0.000 χ^2/NDF:49557761193.7/45

Out: 0.848+/-0.000 χ^2/NDF:47598940989.6/52

All: 0.861+/-0.000 χ^2/NDF: 97243438775.5/9

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: 713275.3/27

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

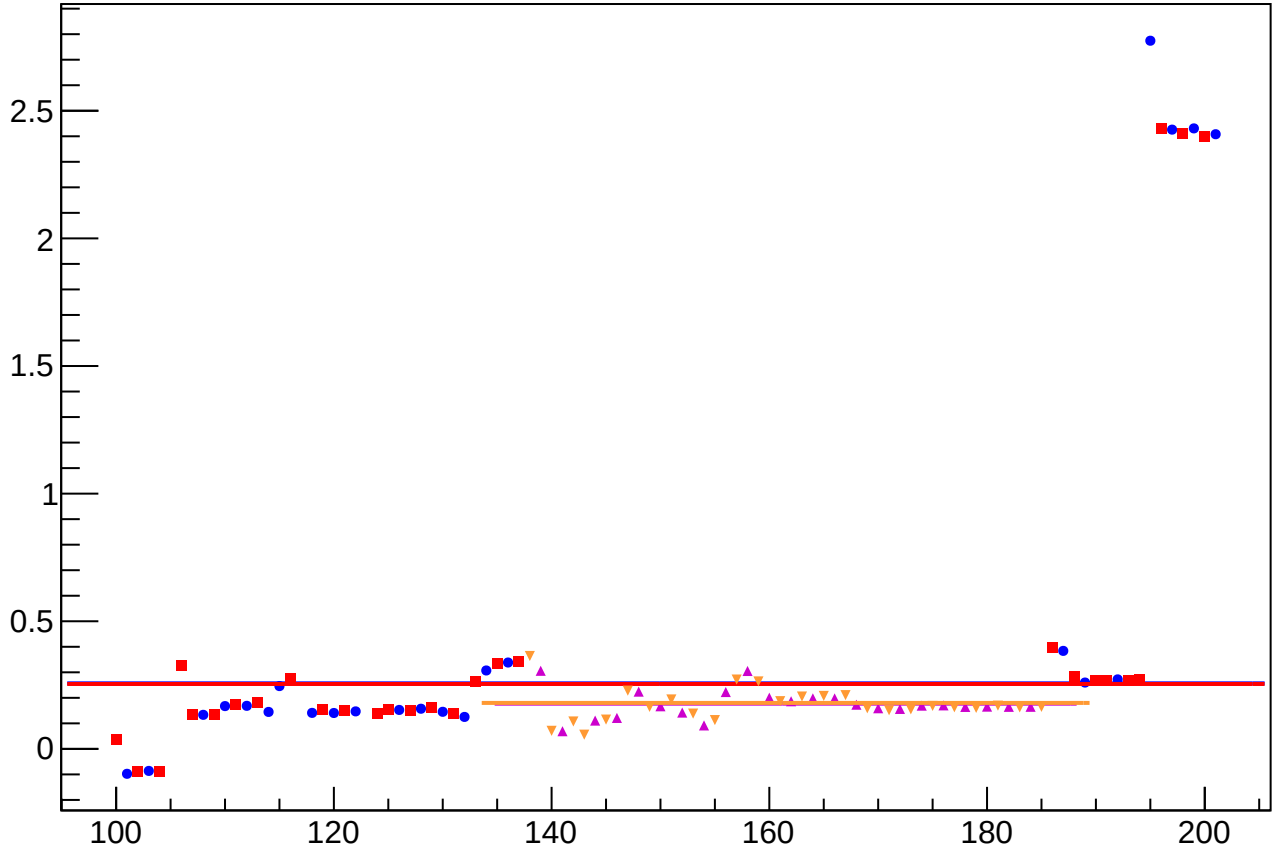
Right: 0.012+/-0.000 χ^2/NDF: 2655554.1/50

In: 0.011+/-0.000 χ^2/NDF:2307946.5/45

Out: 0.011+/-0.000 χ^2/NDF:1063066.8/52

All: 0.011+/-0.000 χ^2/NDF: 3371015.2/98

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: 0.254+/-0.000 χ^2/NDF: 67141457019.6/27

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

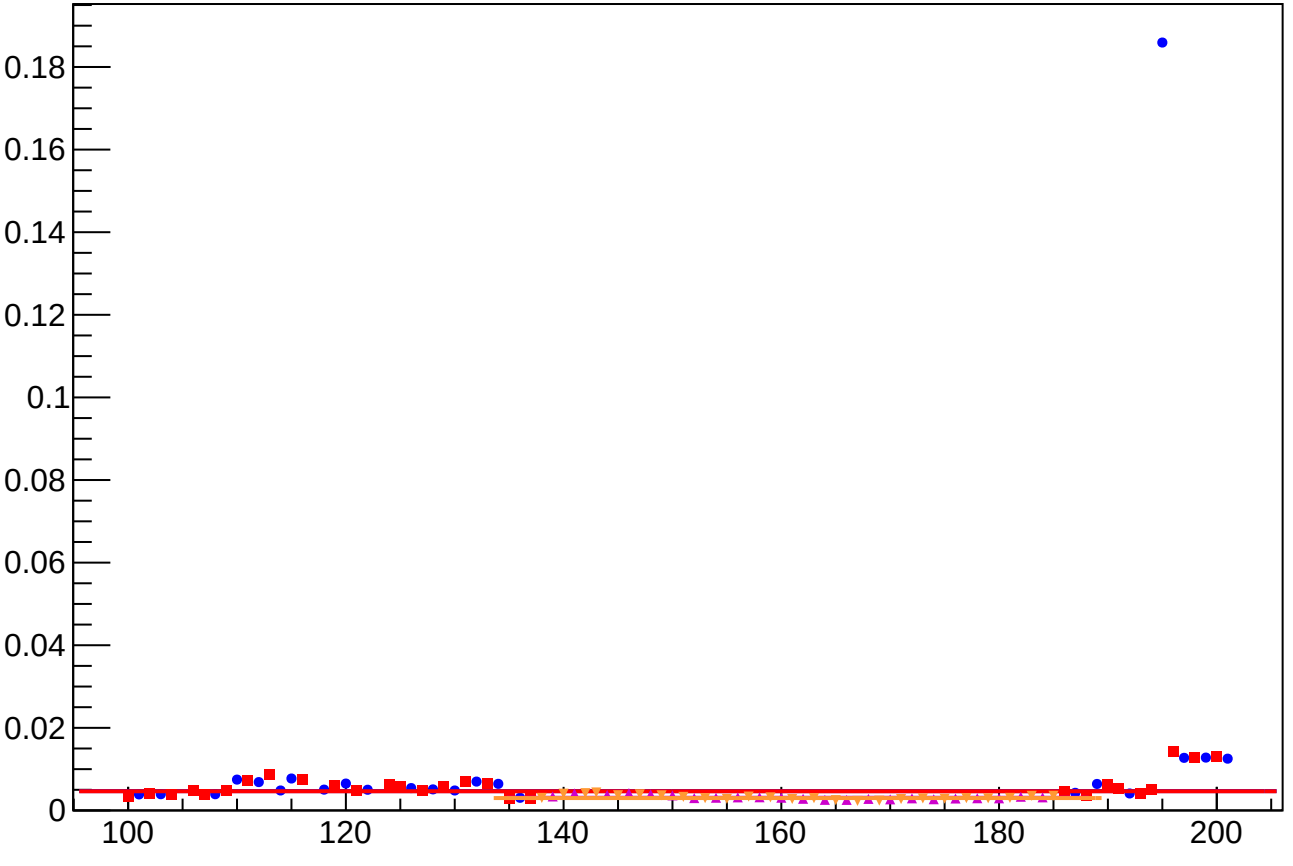
Right: 0.255+/-0.000 χ^2/NDF: 149865128177.5/50

In: 0.192+/-0.000 χ^2/NDF:89390881809.0/45

Out: 0.194+/-0.000 χ^2/NDF:75679055487.9/52

All: 0.193+/-0.000 χ^2/NDF: 165078467116.4

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: 3069063.5/27

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

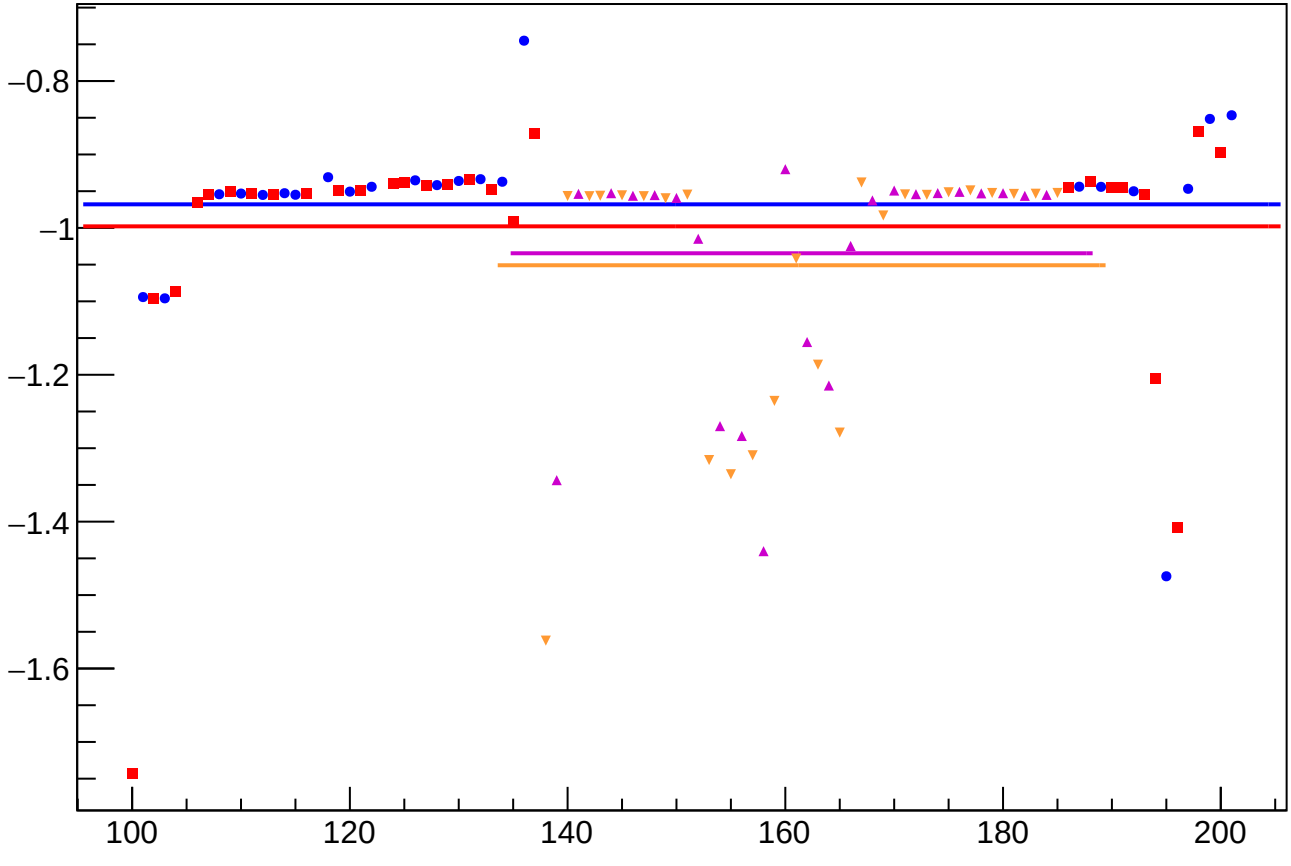
Right: 0.005+/-0.000 χ^2/NDF: 7740964.9/50

In: 0.003+/-0.000 χ^2/NDF:6945668.9/45

Out: 0.003+/-0.000 χ^2/NDF:6016330.5/52

All: 0.003+/-0.000 χ^2/NDF: 12967178.0/98

yield_bpm0l10X_mean vs Slug, Sign Corrected



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: -0.998+/-0.000 χ^2/NDF: 1732450091.3/27

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

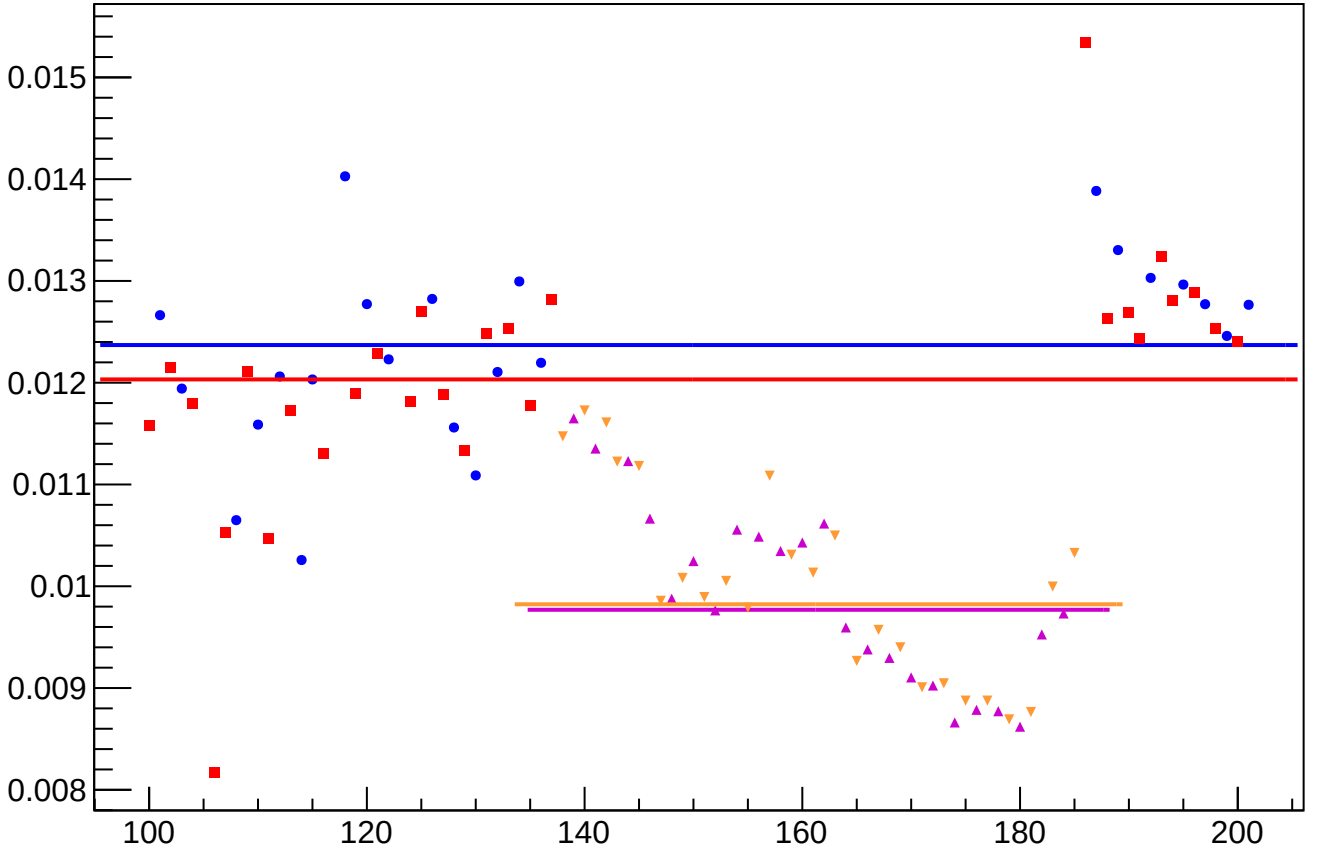
Right: -0.984+/-0.000 χ^2/NDF: 3658124726.6/50

In: -1.015+/-0.000 χ^2/NDF:6056002193.5/45

Out: -1.034+/-0.000 χ^2/NDF:6988070327.8/52

All: -1.025+/-0.000 χ^2/NDF: 13093199577.4/

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: 254635.8/27

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

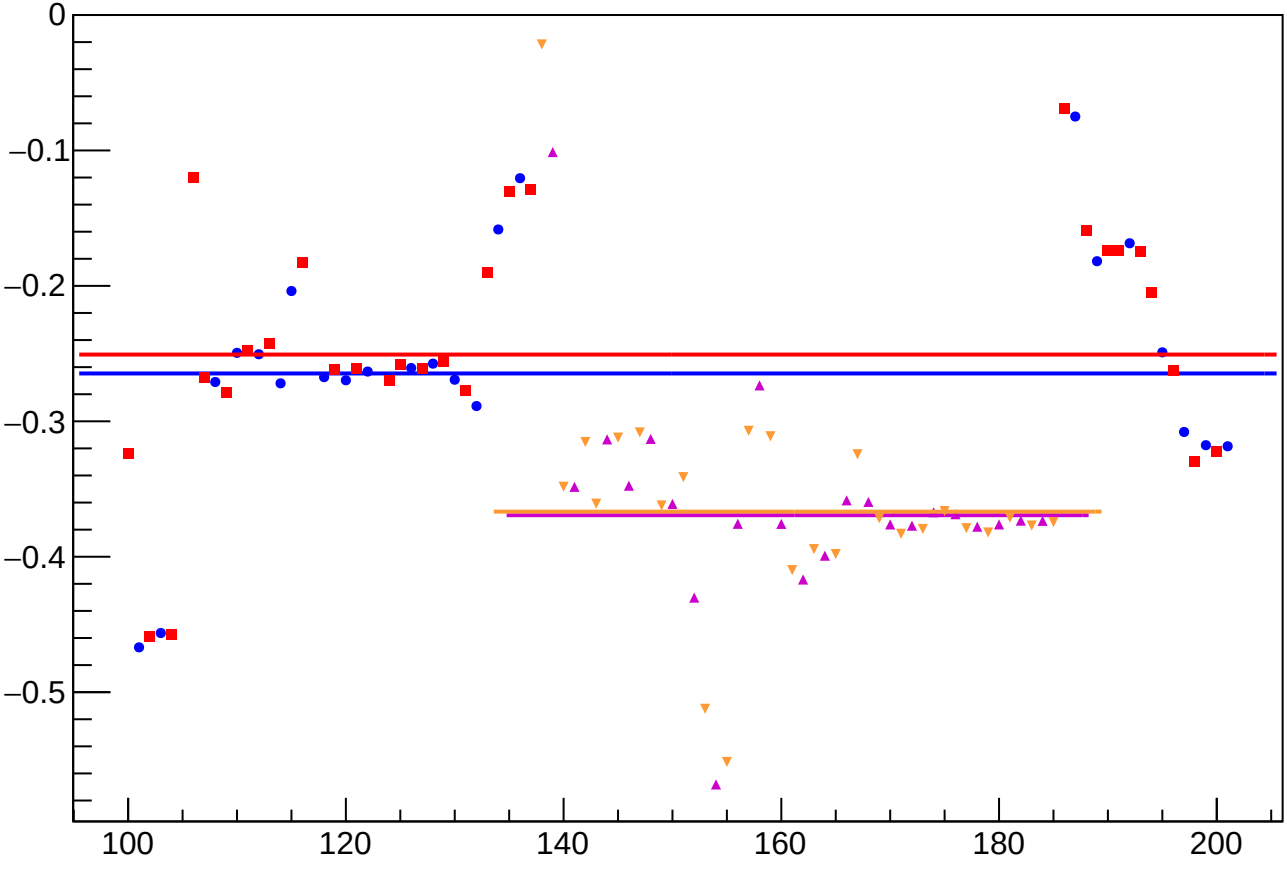
Right: 0.012+/-0.000 χ^2/NDF: 357453.0/50

In: 0.011+/-0.000 χ^2/NDF:1113217.4/45

Out: 0.011+/-0.000 χ^2/NDF:1152009.9/52

All: 0.011+/-0.000 χ^2/NDF: 2265235.3/98

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.265+/-0.000 χ^2/NDF: 7550915632.9/22

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.251+/-0.000 χ^2/NDF: 7631241394.0/27

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

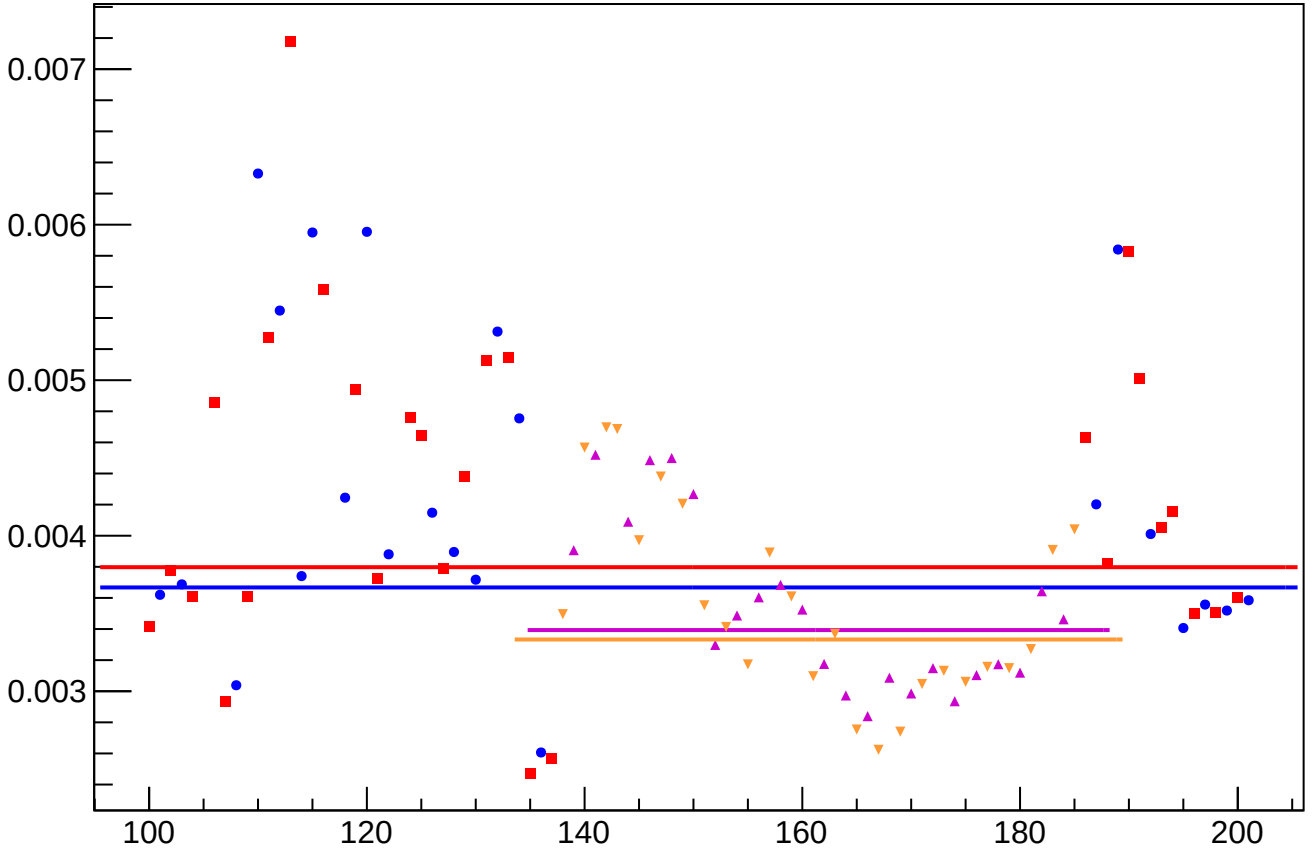
Right: -0.258+/-0.000 χ^2/NDF: 15260446160.9/50

In: -0.332+/-0.000 χ^2/NDF:20709685581.6/45

Out: -0.327+/-0.000 χ^2/NDF:26842884066.5/52

All: -0.330+/-0.000 χ^2/NDF: 47584996052.9/

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: 1072496.3/27

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

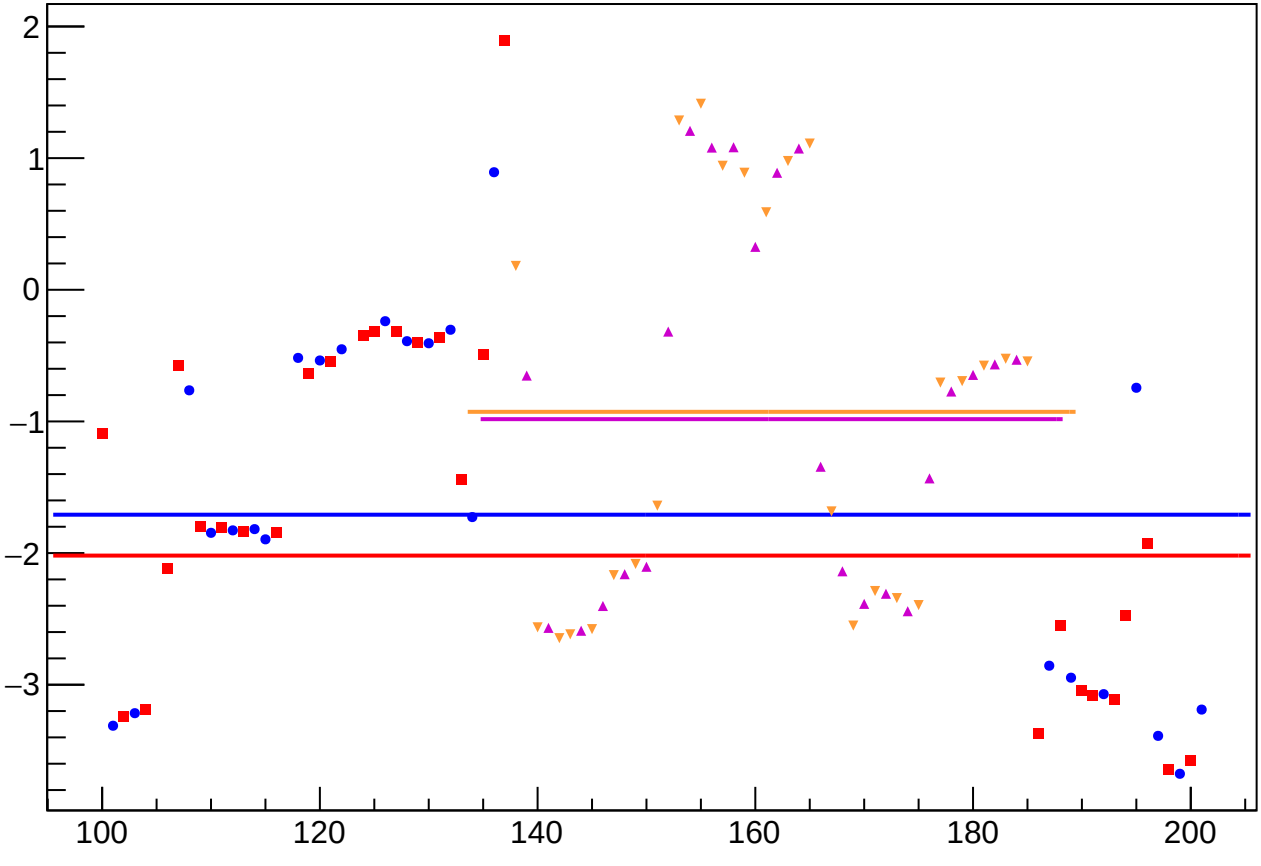
Right: 0.004+/-0.000 χ^2/NDF: 1988189.7/50

In: 0.003+/-0.000 χ^2/NDF:1612149.8/45

Out: 0.003+/-0.000 χ^2/NDF:2163664.8/52

All: 0.003+/-0.000 χ^2/NDF: 3775820.1/98

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: -2.019+/-0.000 χ^2/NDF: 3727049871.8/27

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

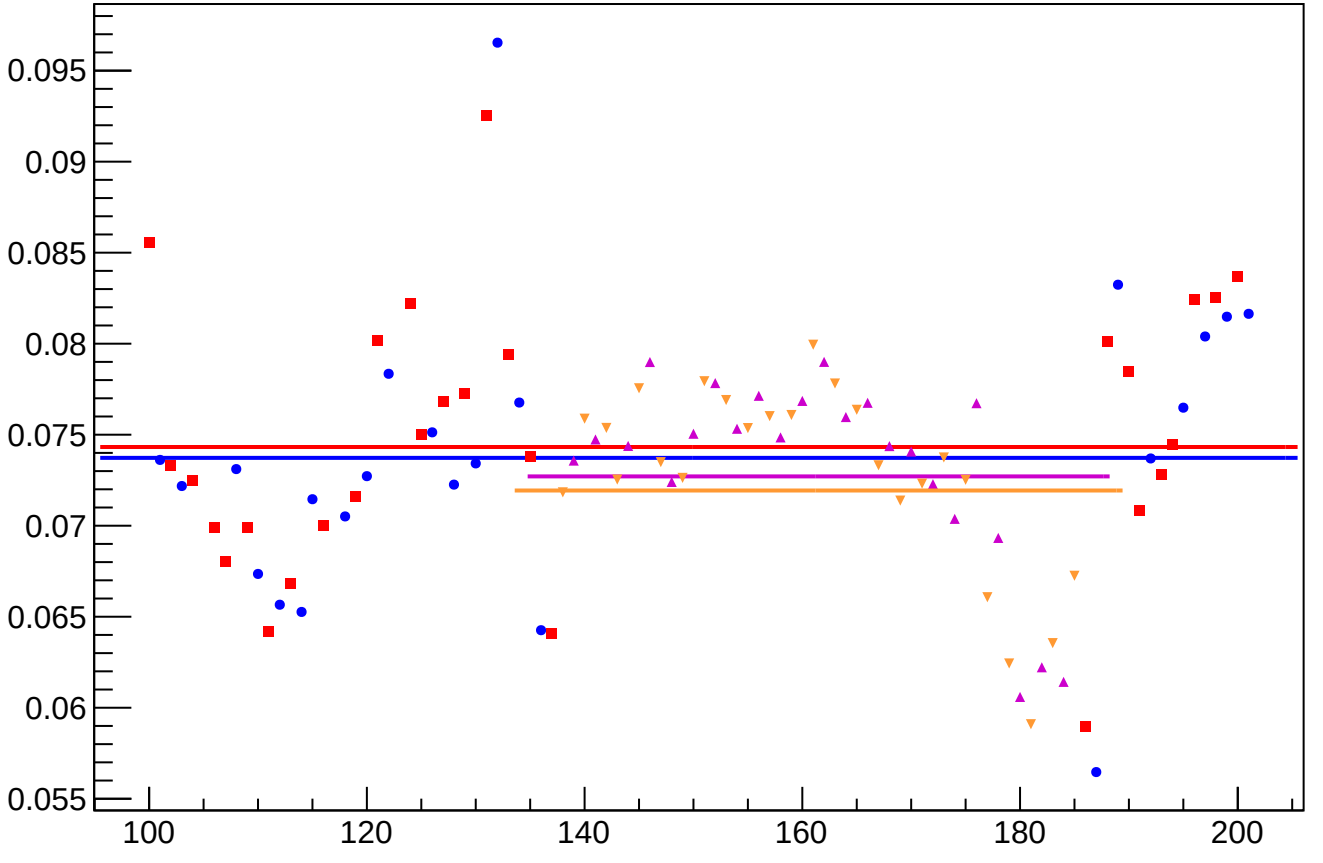
Right: -1.871+/-0.000 χ^2/NDF: 8573384721.7/50

In: -1.269+/-0.000 χ^2/NDF:11357268360.2/45

Out: -1.361+/-0.000 χ^2/NDF:12712925458.5/52

All: -1.317+/-0.000 χ^2/NDF: 24094949519.4/

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: 0.074+/-0.000 χ^2/NDF: 225987.7/27

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

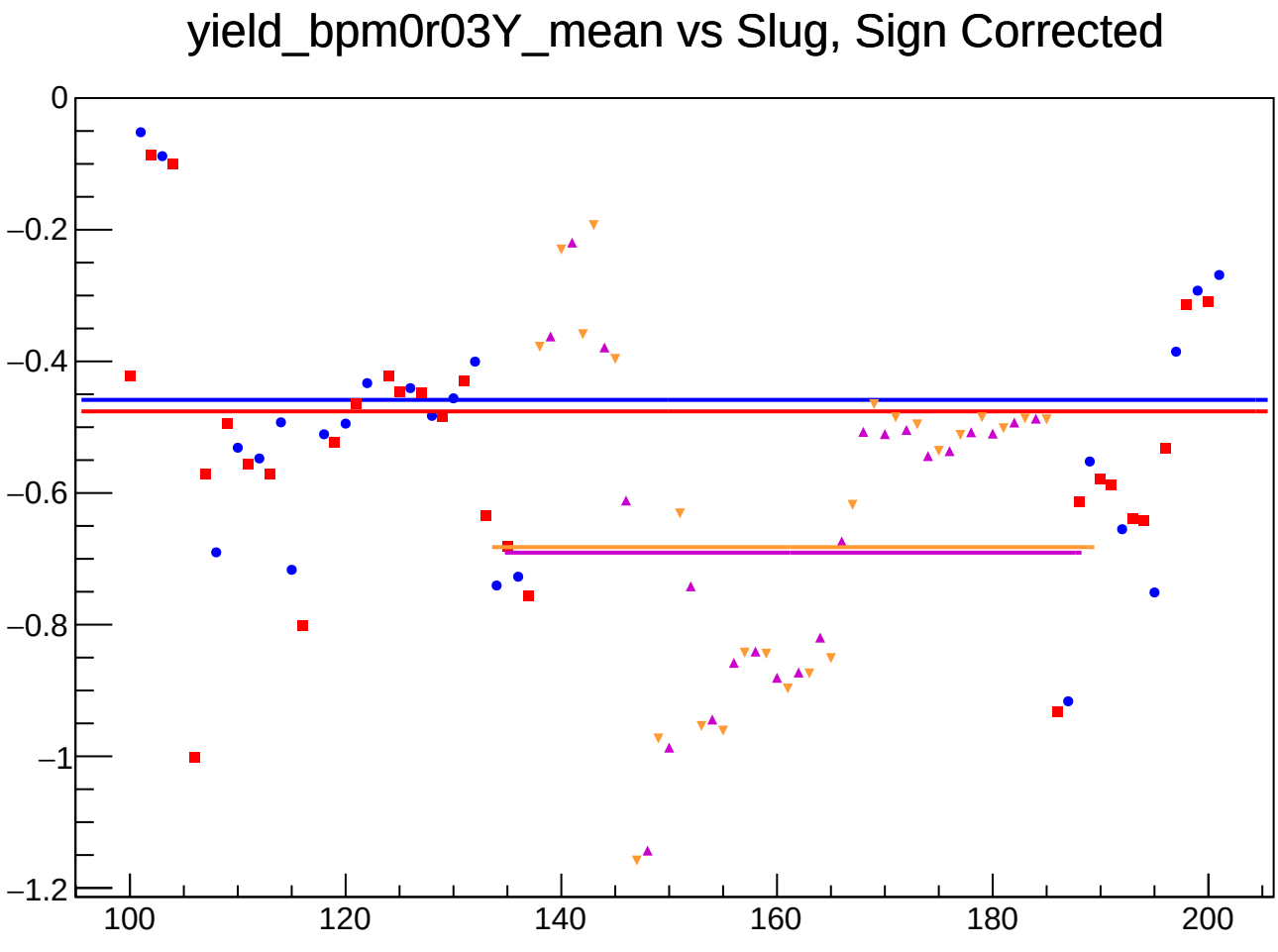
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 431468.8/50

In: 0.073+/-0.000 χ^2/NDF:404438.5/45

Out: 0.073+/-0.000 χ^2/NDF:478156.7/52

All: 0.073+/-0.000 χ^2/NDF: 882894.3/98



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: -0.476+/-0.000 χ^2/NDF: 6008493850.9/27

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

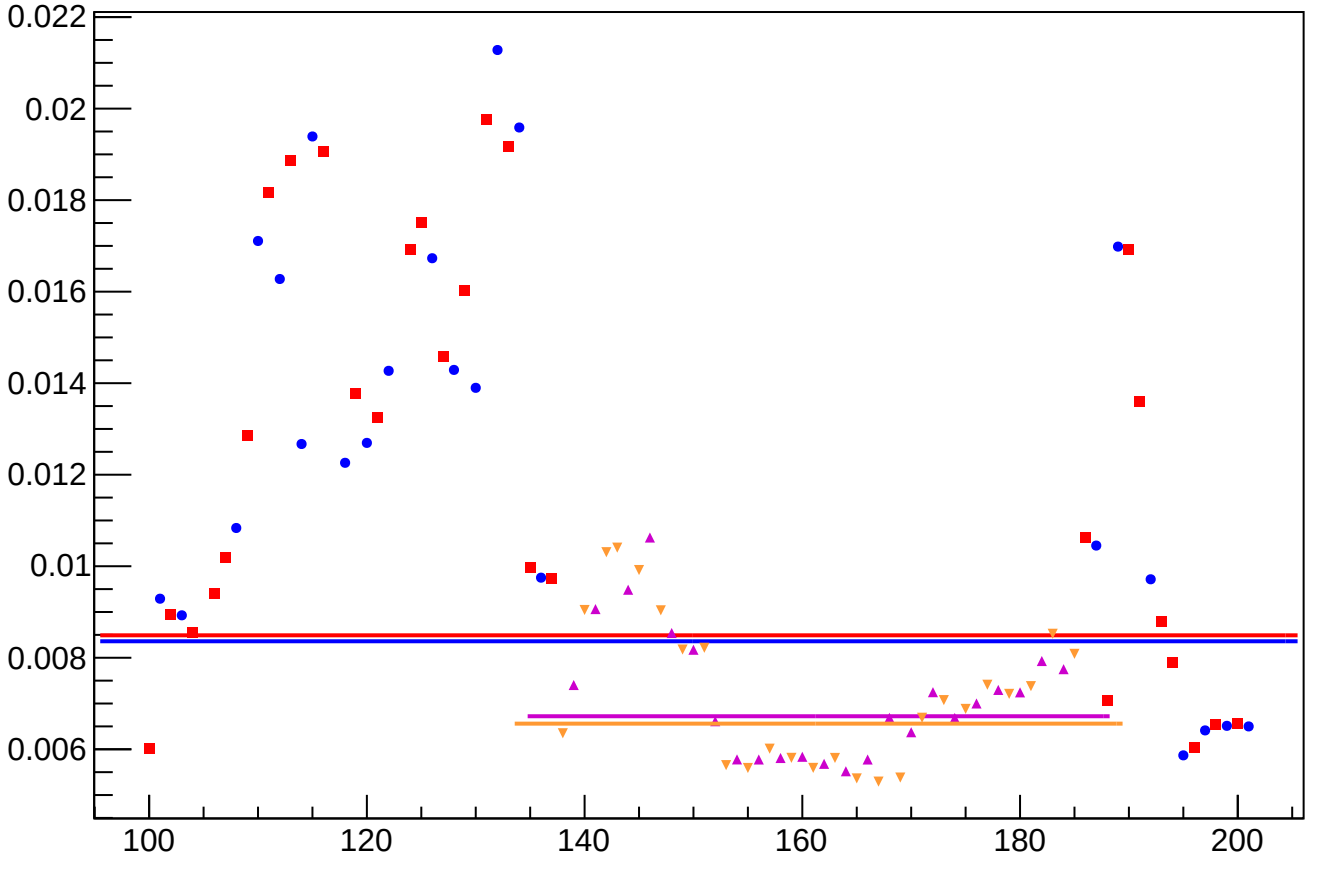
Right: -0.467+/-0.000 χ^2/NDF: 13386522041.3/50

In: -0.626+/-0.000 χ^2/NDF:29750611285.3/45

Out: -0.627+/-0.000 χ^2/NDF:32509849779.5/52

All: -0.626+/-0.000 χ^2/NDF: 62260533961.8/

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: 2877804.7/27

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

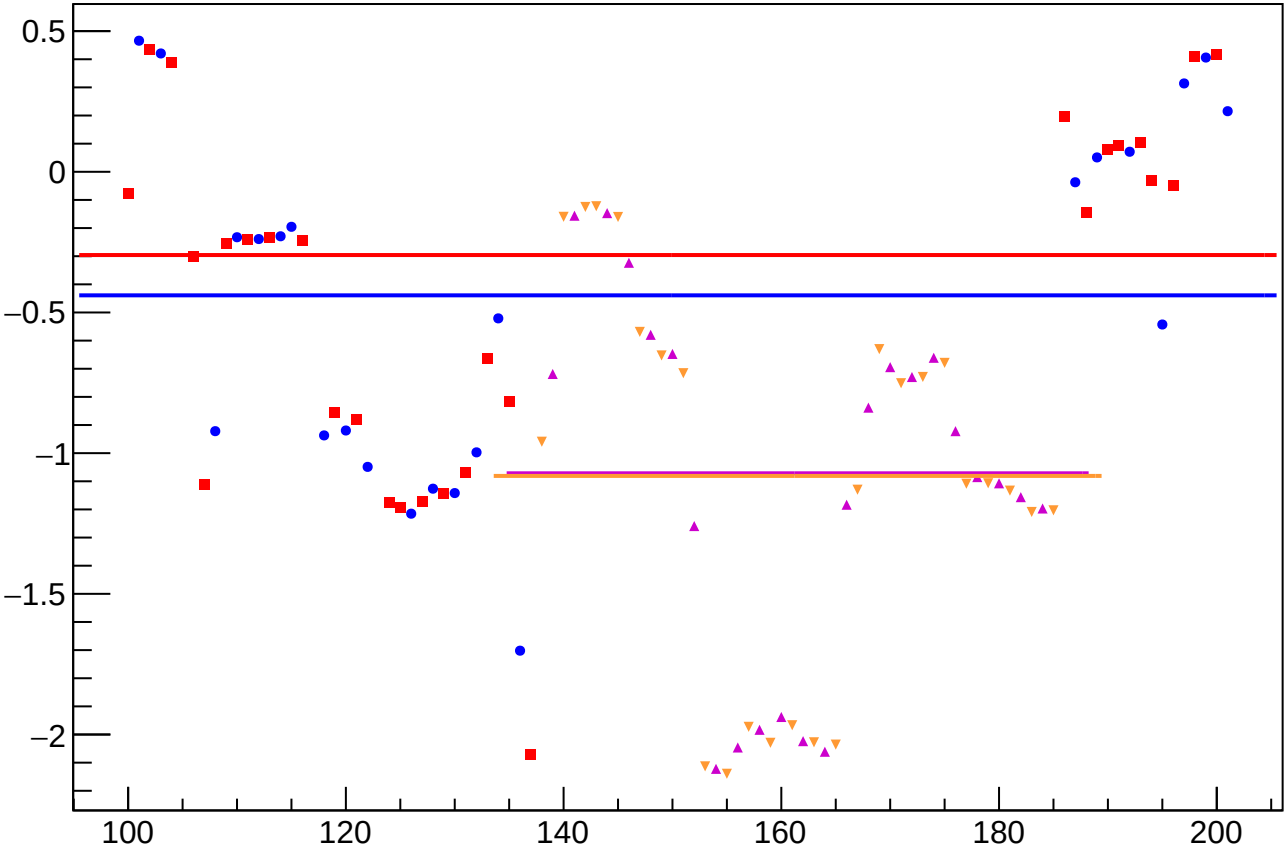
Right: 0.008+/-0.000 χ^2/NDF: 5634325.5/50

In: 0.007+/-0.000 χ^2/NDF:4265543.7/45

Out: 0.007+/-0.000 χ^2/NDF:5101256.1/52

All: 0.007+/-0.000 χ^2/NDF: 9371783.8/98

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: -0.296+/-0.000 χ^2/NDF: 559874768.2/27

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

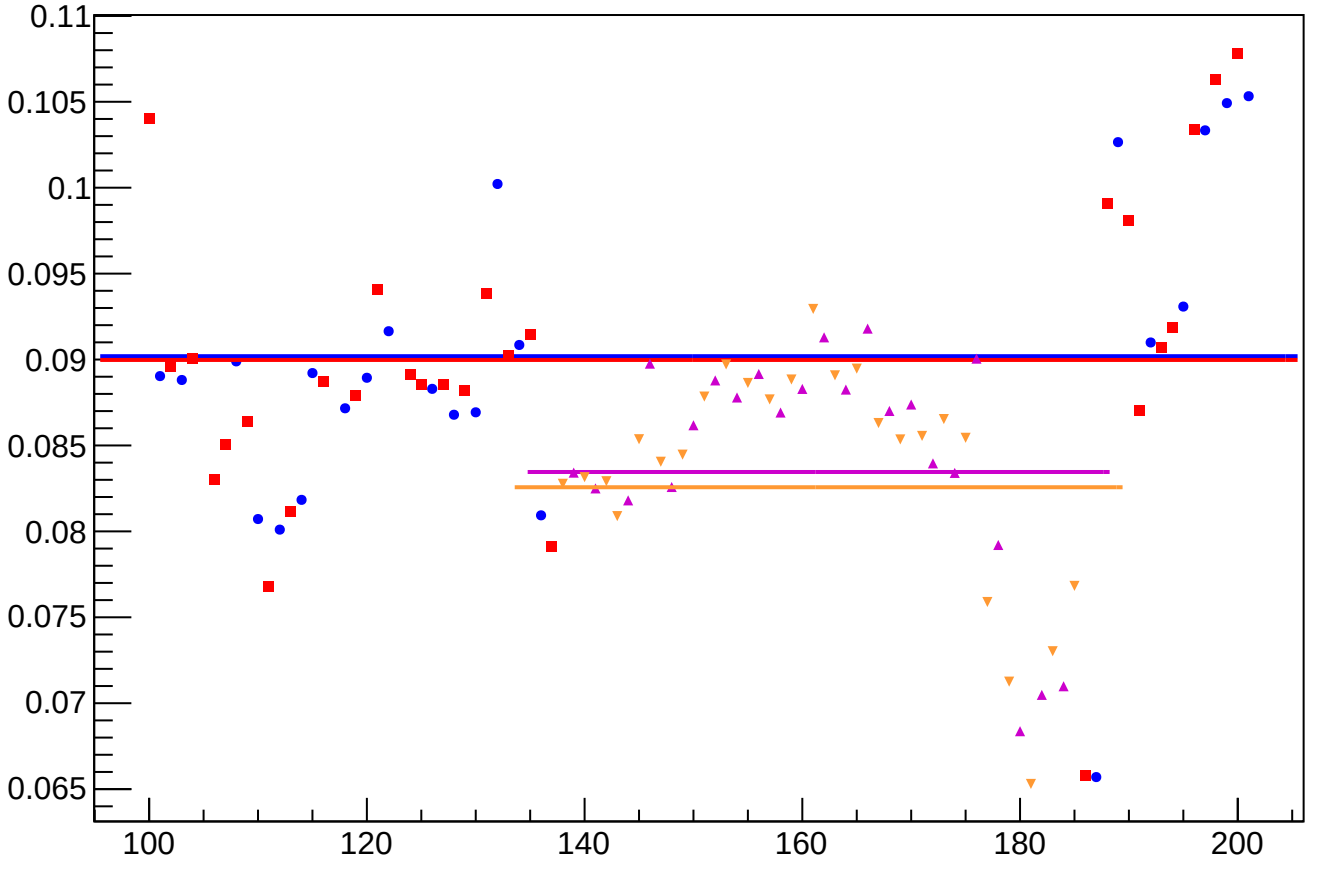
Right: -0.364+/-0.000 χ^2/NDF: 1270016954.6/50

In: -0.841+/-0.000 χ^2/NDF:2048844273.2/45

Out: -0.788+/-0.000 χ^2/NDF:2356274523.4/52

All: -0.813+/-0.000 χ^2/NDF: 4411008967.2/9

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: 309634.8/27

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

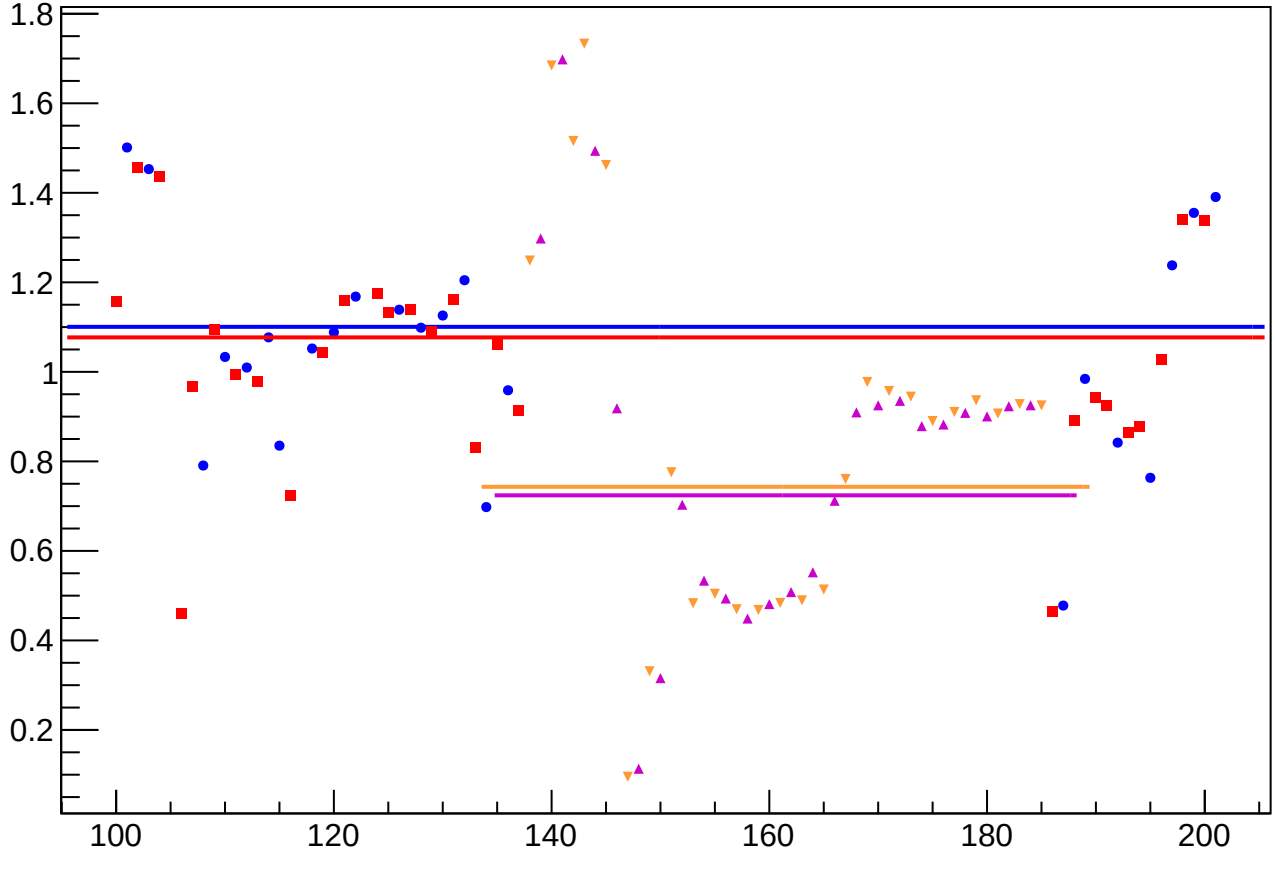
Right: 0.090+/-0.000 χ^2/NDF: 538830.8/50

In: 0.086+/-0.000 χ^2/NDF:553622.9/45

Out: 0.085+/-0.000 χ^2/NDF:715468.4/52

All: 0.086+/-0.000 χ^2/NDF: 1270554.3/98

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: 1.077+/-0.000 χ^2/NDF: 4209665497.2/27

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

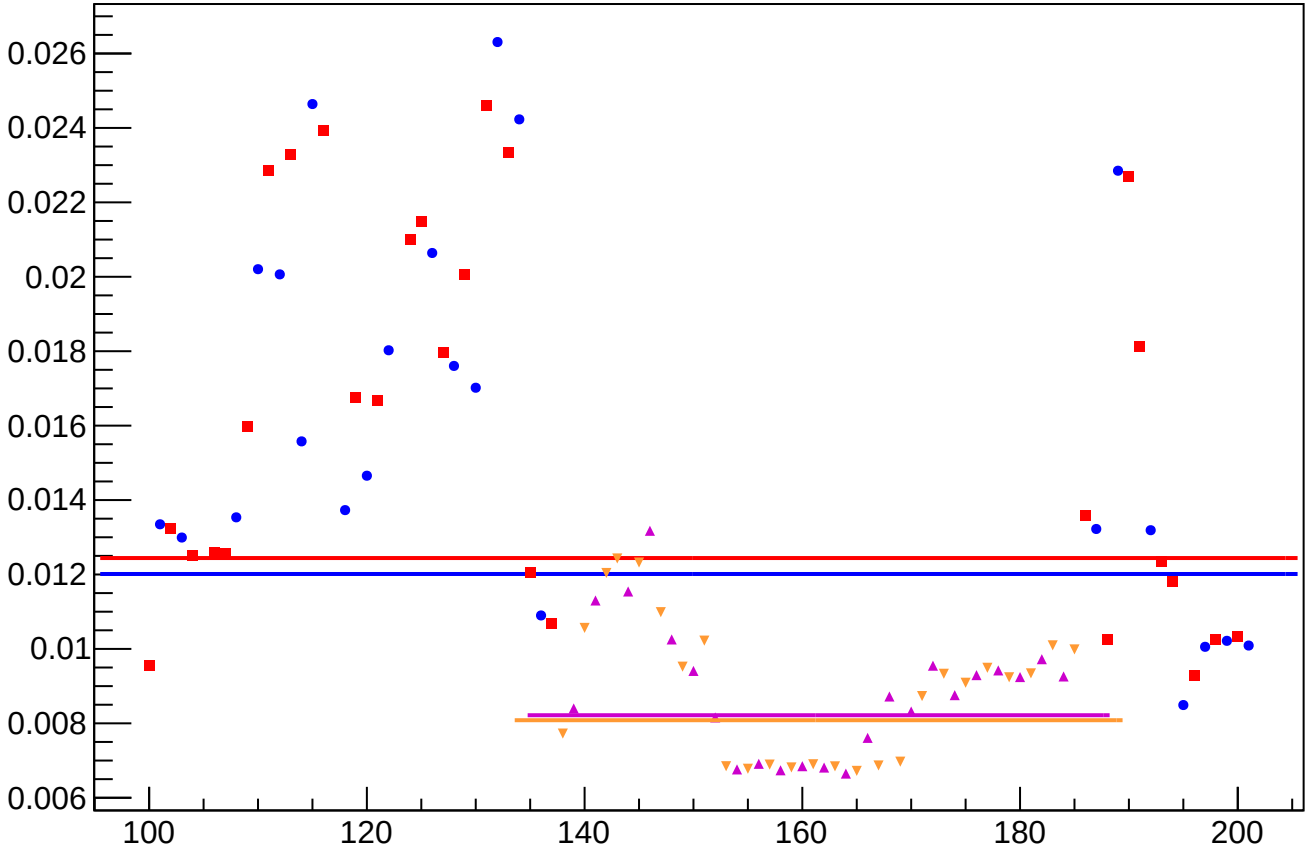
Right: 1.089+/-0.000 χ^2/NDF: 9122346356.0/50

In: 0.809+/-0.000 χ^2/NDF:38447947740.6/45

Out: 0.814+/-0.000 χ^2/NDF:43239836606.8/52

All: 0.812+/-0.000 χ^2/NDF: 81692890341.8/9

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: 1853505.3/27

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

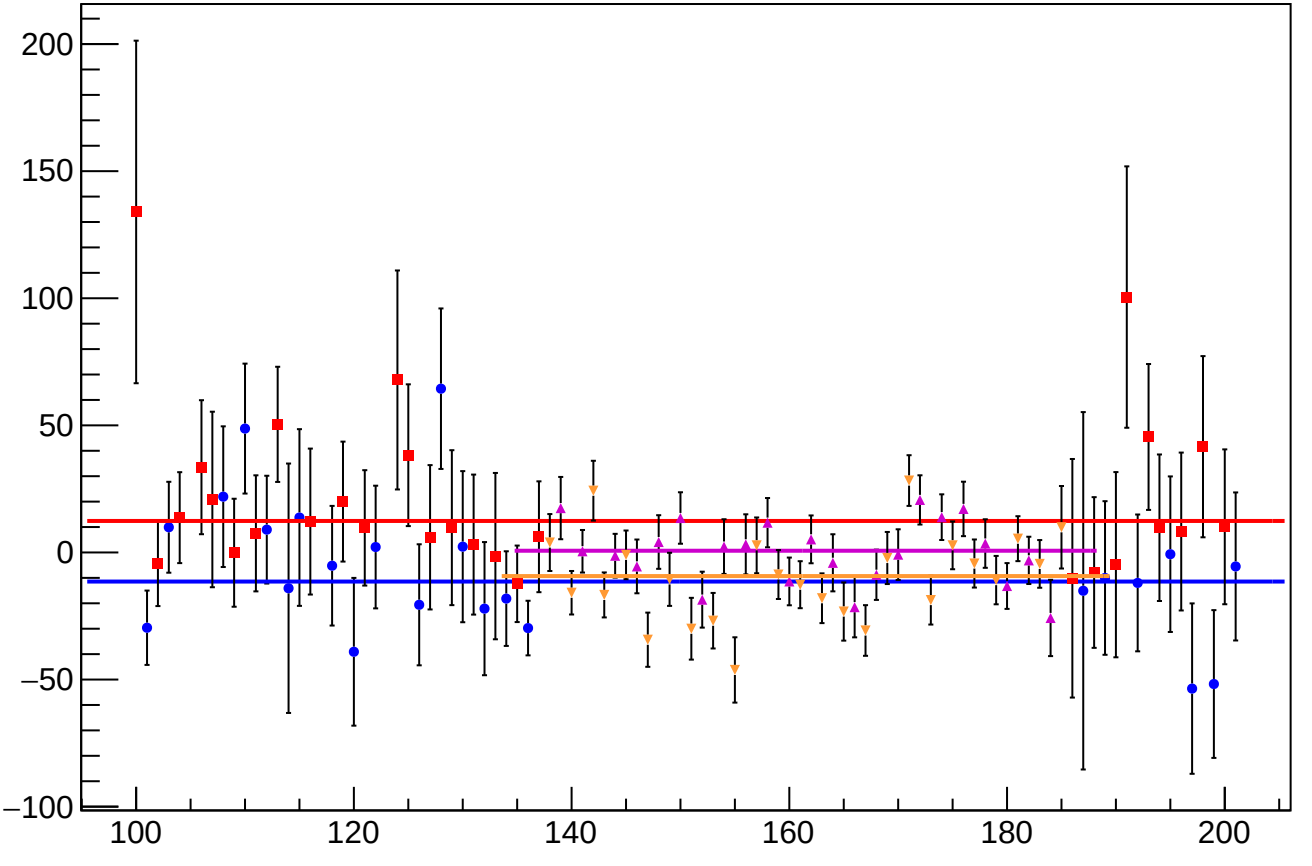
Right: 0.012+/-0.000 χ^2/NDF: 3644255.1/50

In: 0.009+/-0.000 χ^2/NDF:4511332.0/45

Out: 0.009+/-0.000 χ^2/NDF:5458740.4/52

All: 0.009+/-0.000 χ^2/NDF: 9971214.8/98

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: 12.391+/-4.930 χ^2/NDF: 19.8/27

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

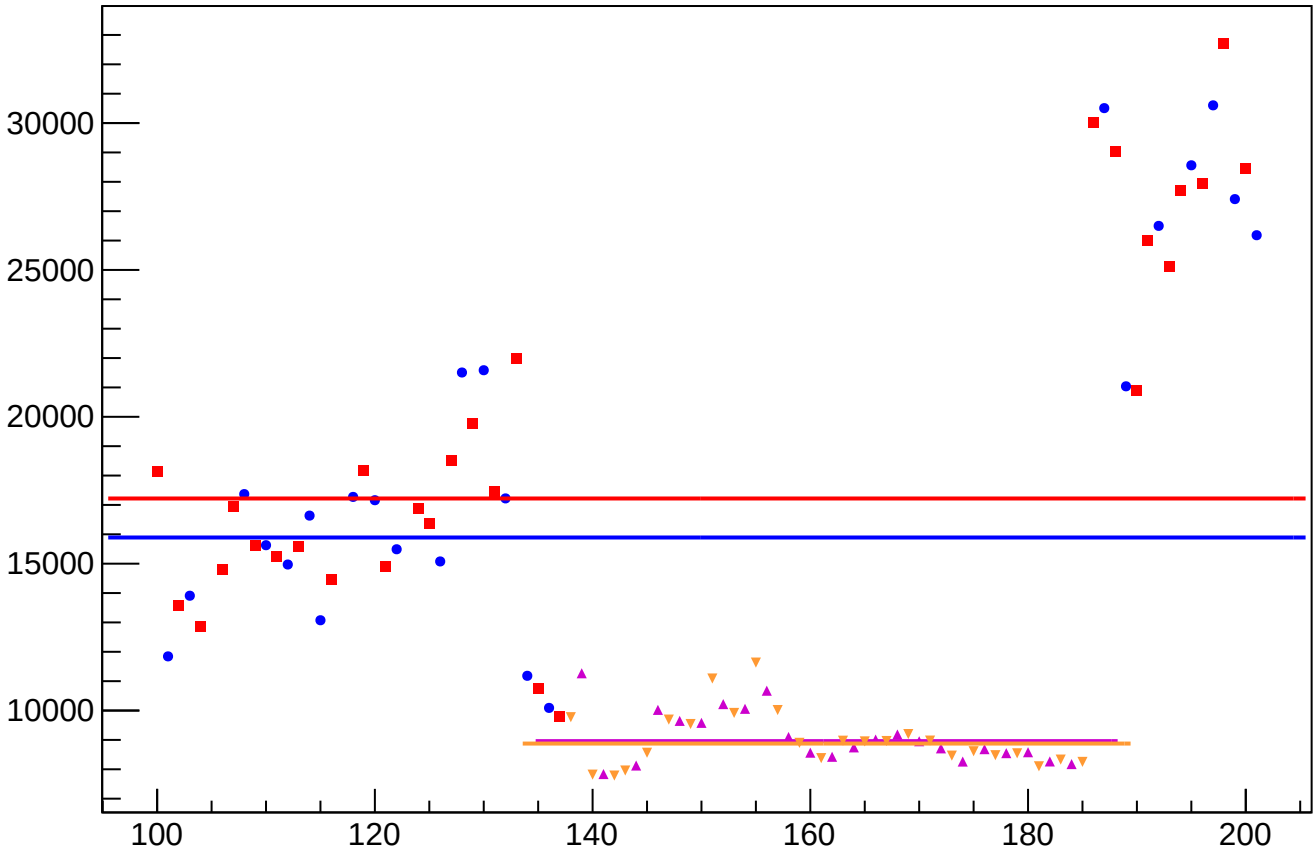
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

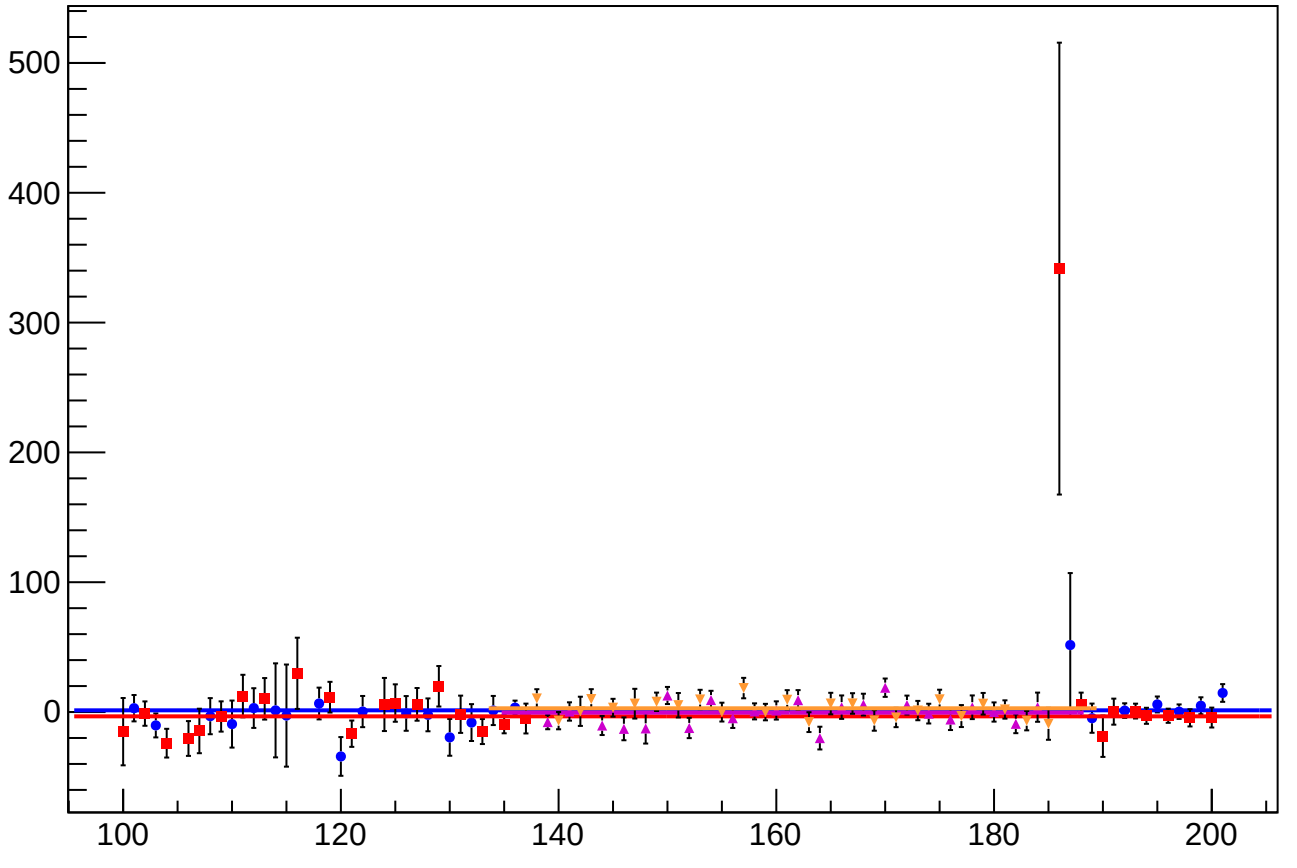
Right: 0.246+/-3.453 χ^2/NDF: 57.4/50

In: -1.252+/-1.930 χ^2/NDF:60.4/45

Out: -6.147+/-1.878 χ^2/NDF:97.5/52

All: -3.767+/-1.346 χ^2/NDF: 161.2/98


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: 17219.227+/-3.486 χ²/NDF: 2821918.3/27
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 16542.684+/-2.442 χ²/NDF: 5711355.9/50
In: 10061.485+/-1.364 χ²/NDF:6570797.4/45
Out: 10085.592+/-1.328 χ²/NDF:8065701.4/52
All: 10073.868+/-0.952 χ²/NDF: 14636659.1



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: -3.328+/-1.890 χ^2/NDF: 24.3/27

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

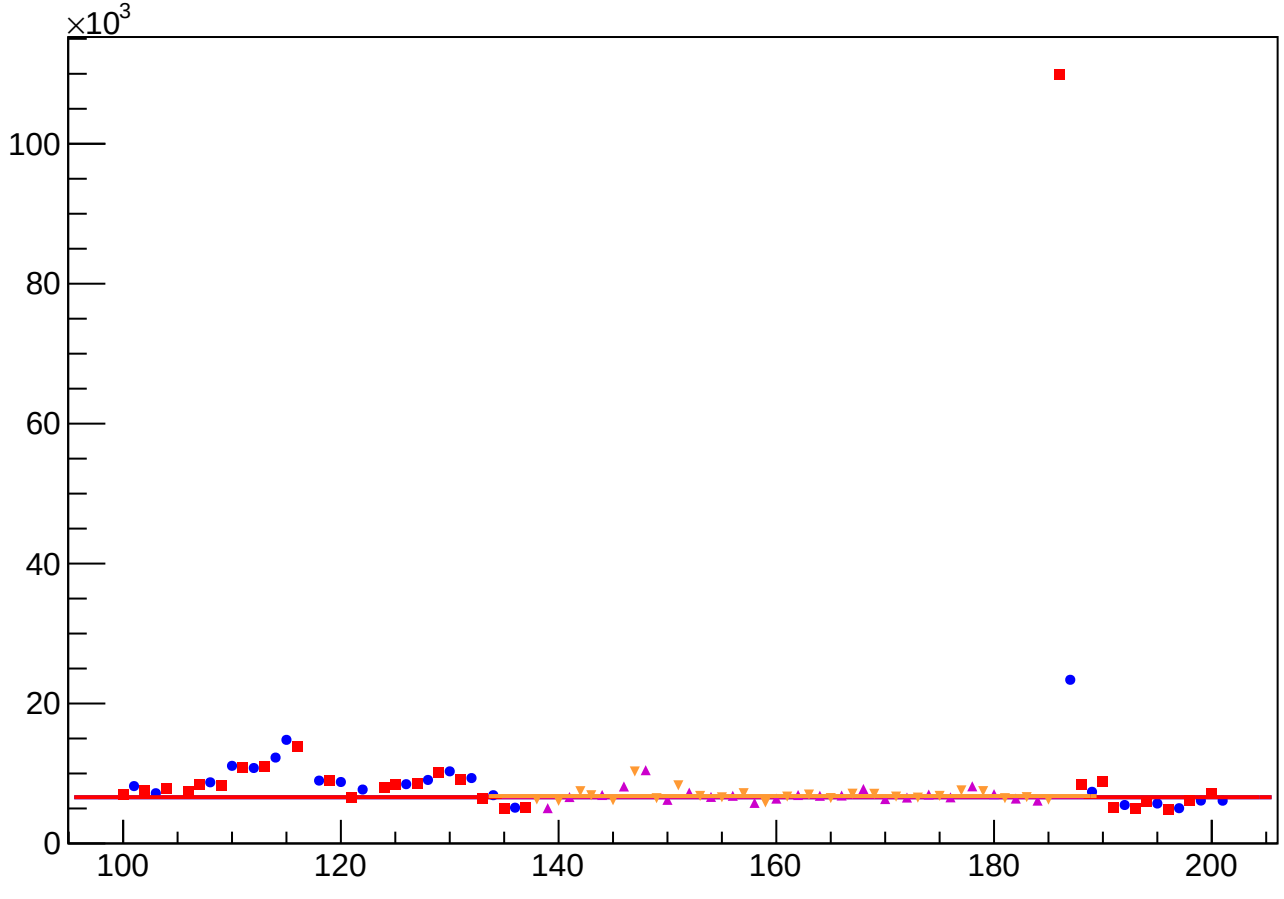
Right: -1.093+/-1.360 χ^2/NDF: 43.8/50

In: 0.241+/-1.231 χ^2/NDF:49.9/45

Out: 0.376+/-1.200 χ^2/NDF:50.2/52

All: 0.310+/-0.859 χ^2/NDF: 100.1/98

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: 6612.583+/-1.337 χ^2/NDF: 2302700.0/27

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

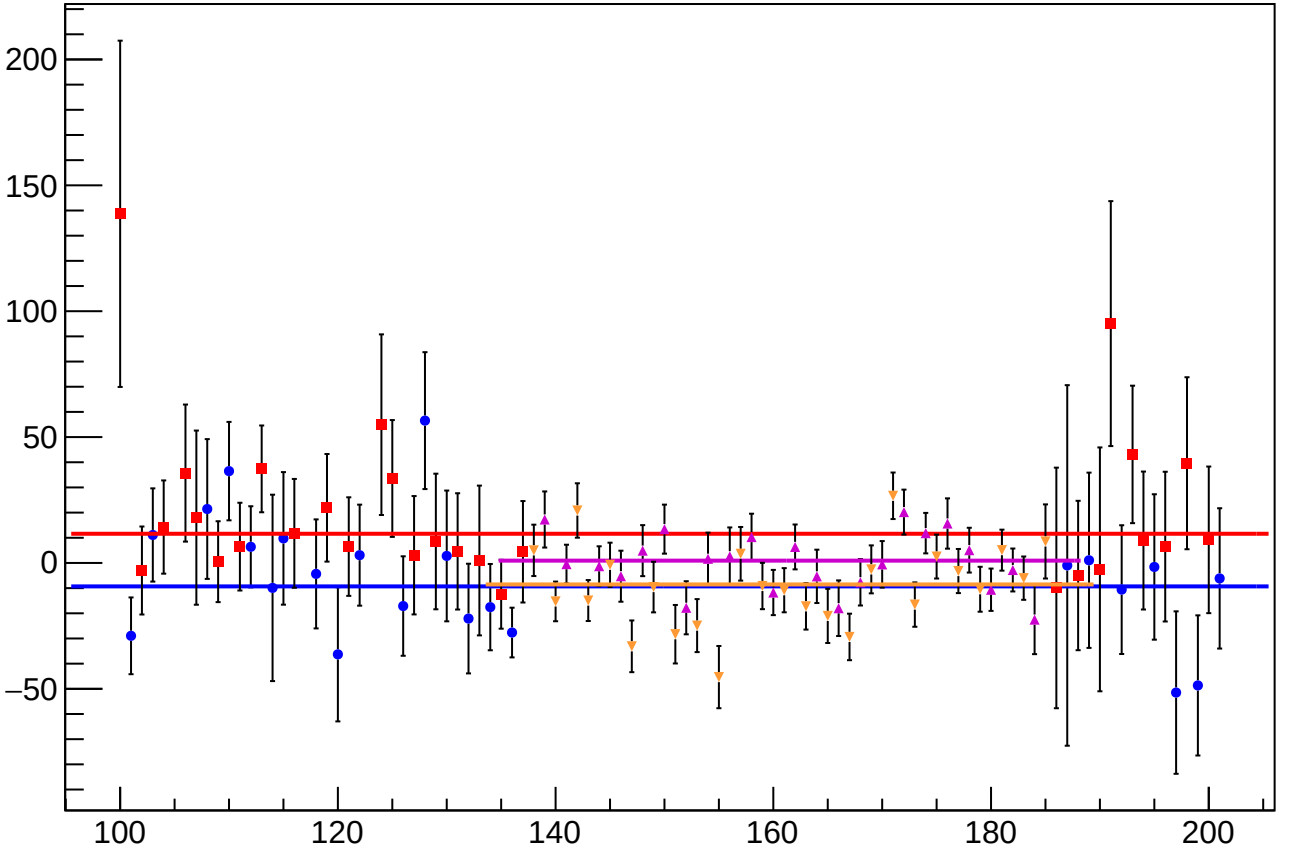
Right: 6604.943+/-0.962 χ^2/NDF: 3920670.2/50

In: 6652.929+/-0.870 χ^2/NDF:2240897.3/45

Out: 6710.543+/-0.849 χ^2/NDF:2711868.9/52

All: 6682.453+/-0.608 χ^2/NDF: 4955013.0/98

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: 11.597+/-4.430 χ^2/NDF: 19.6/27

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

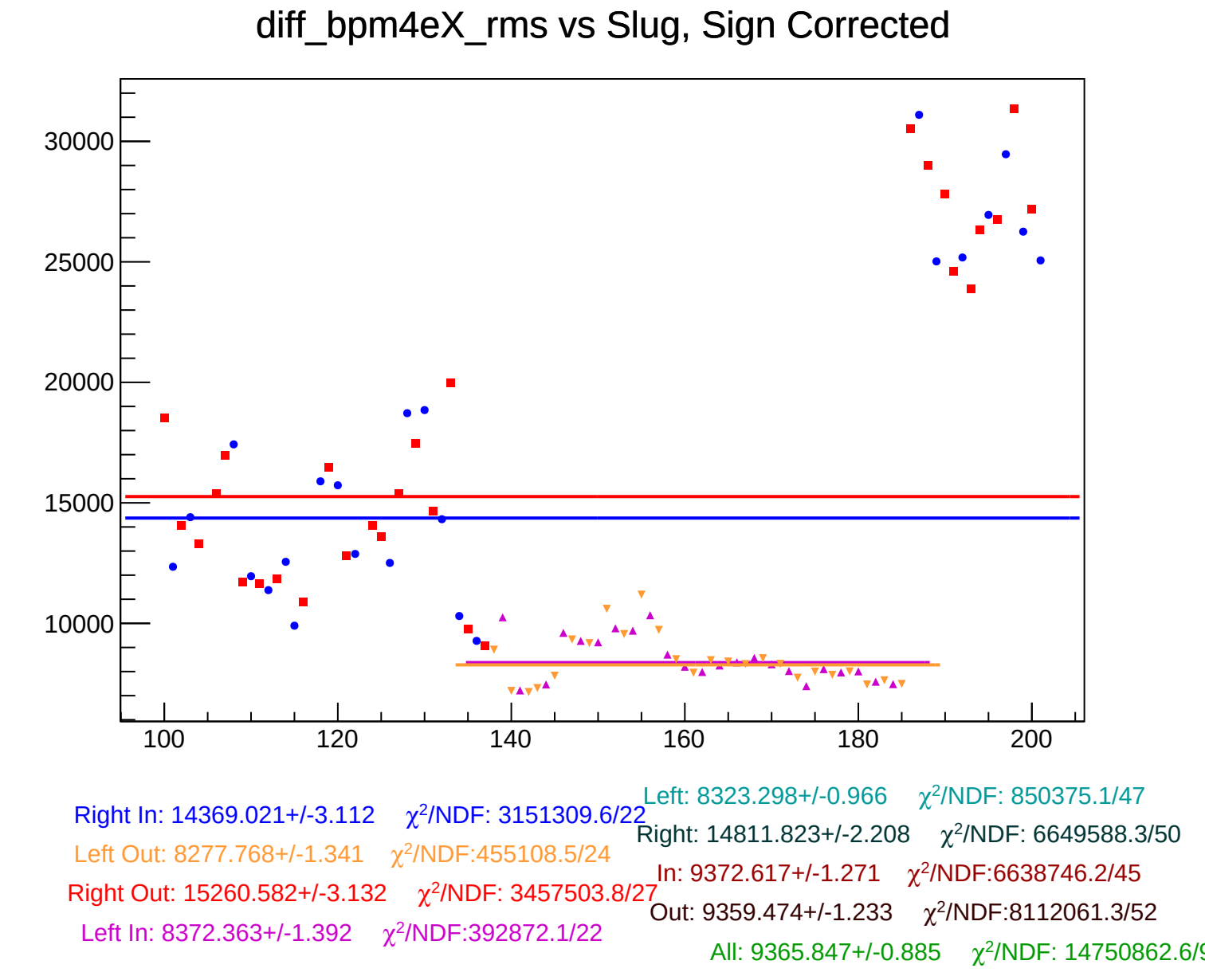
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.073+/-3.122 χ^2/NDF: 57.5/50

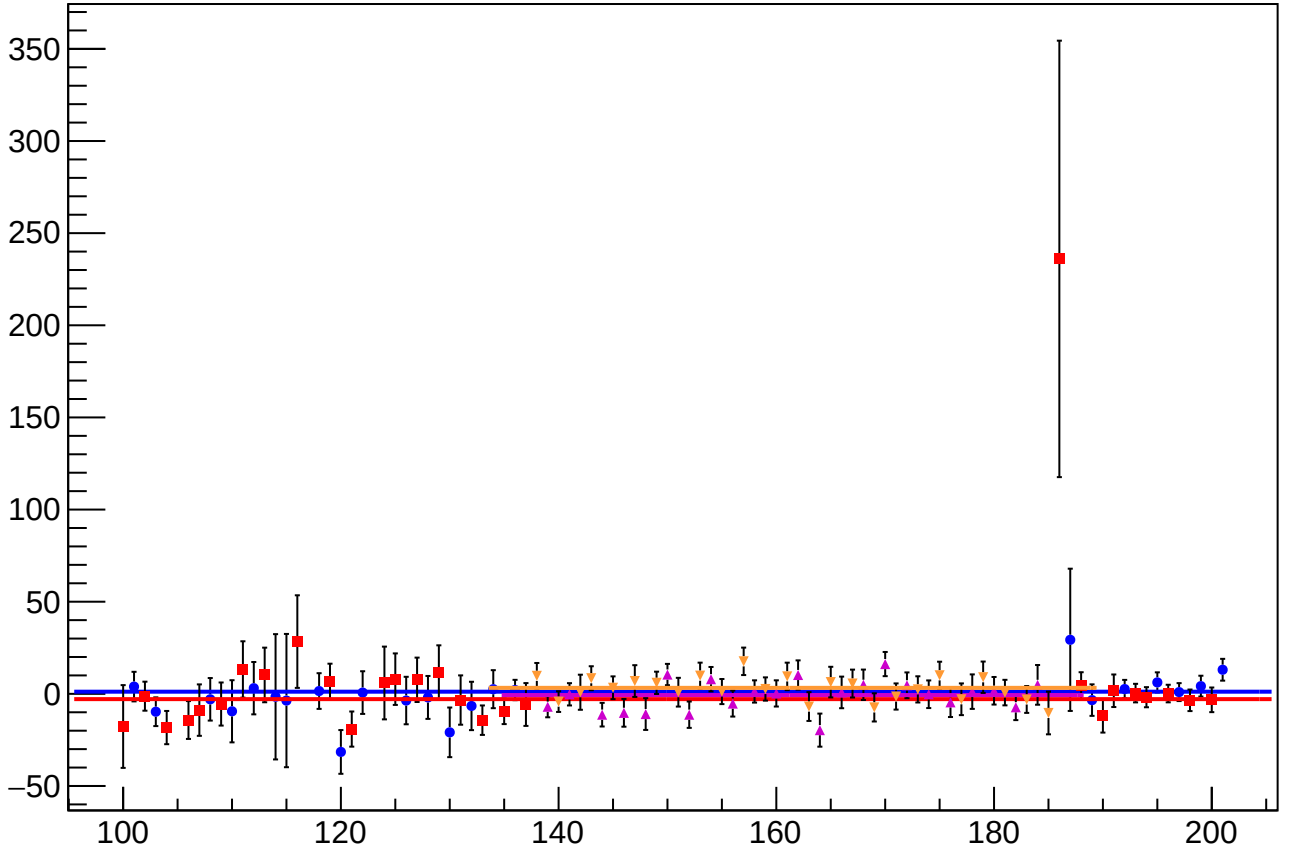
In: -0.787+/-1.797 χ^2/NDF:60.3/45

Out: -5.418+/-1.744 χ^2/NDF:99.0/52

All: -3.173+/-1.251 χ^2/NDF: 162.6/98


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: 15260.582+/-3.132 χ²/NDF: 3457503.8/27
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 14811.823+/-2.208 χ²/NDF: 6649588.3/50
In: 9372.617+/-1.271 χ²/NDF:6638746.2/45
Out: 9359.474+/-1.233 χ²/NDF:8112061.3/52
All: 9365.847+/-0.885 χ²/NDF: 14750862.6/9

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: -2.866+/-1.654 χ^2/NDF: 25.0/27

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

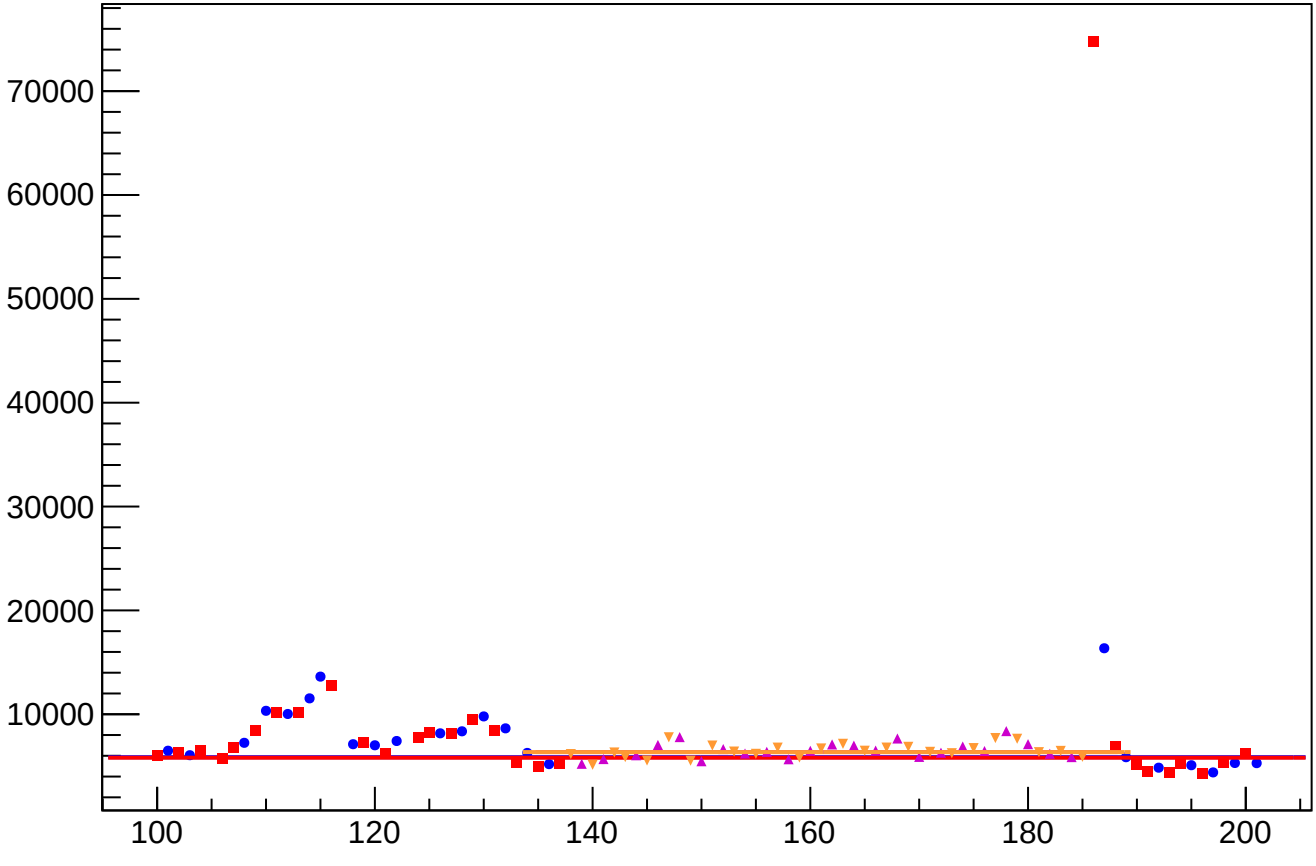
Right: -0.943+/-1.197 χ^2/NDF: 47.4/50

In: 0.131+/-1.134 χ^2/NDF:51.0/45

Out: 0.581+/-1.093 χ^2/NDF:50.3/52

All: 0.364+/-0.787 χ^2/NDF: 101.4/98

diff_bpm4eY_rms vs Slug, Sign Corrected



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: 5816.820+/-1.170 χ^2/NDF: 2266449.8/27

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

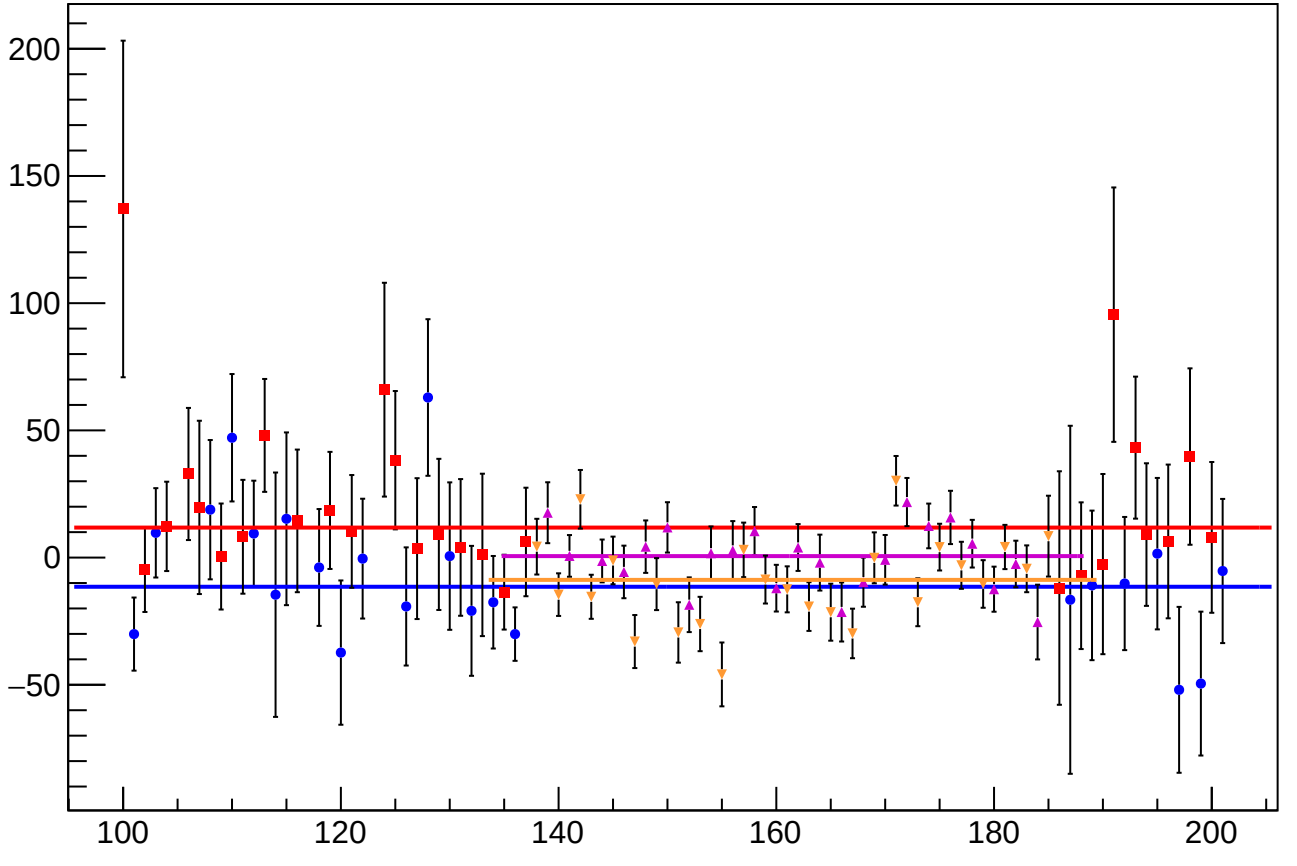
Right: 5839.549+/-0.847 χ^2/NDF: 3794977.7/50

In: 6148.080+/-0.802 χ^2/NDF:2094979.3/45

Out: 6121.358+/-0.773 χ^2/NDF:2800909.5/52

All: 6134.230+/-0.557 χ^2/NDF: 4896464.2/98

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: 11.794+/-4.820 χ^2/NDF: 20.0/27

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

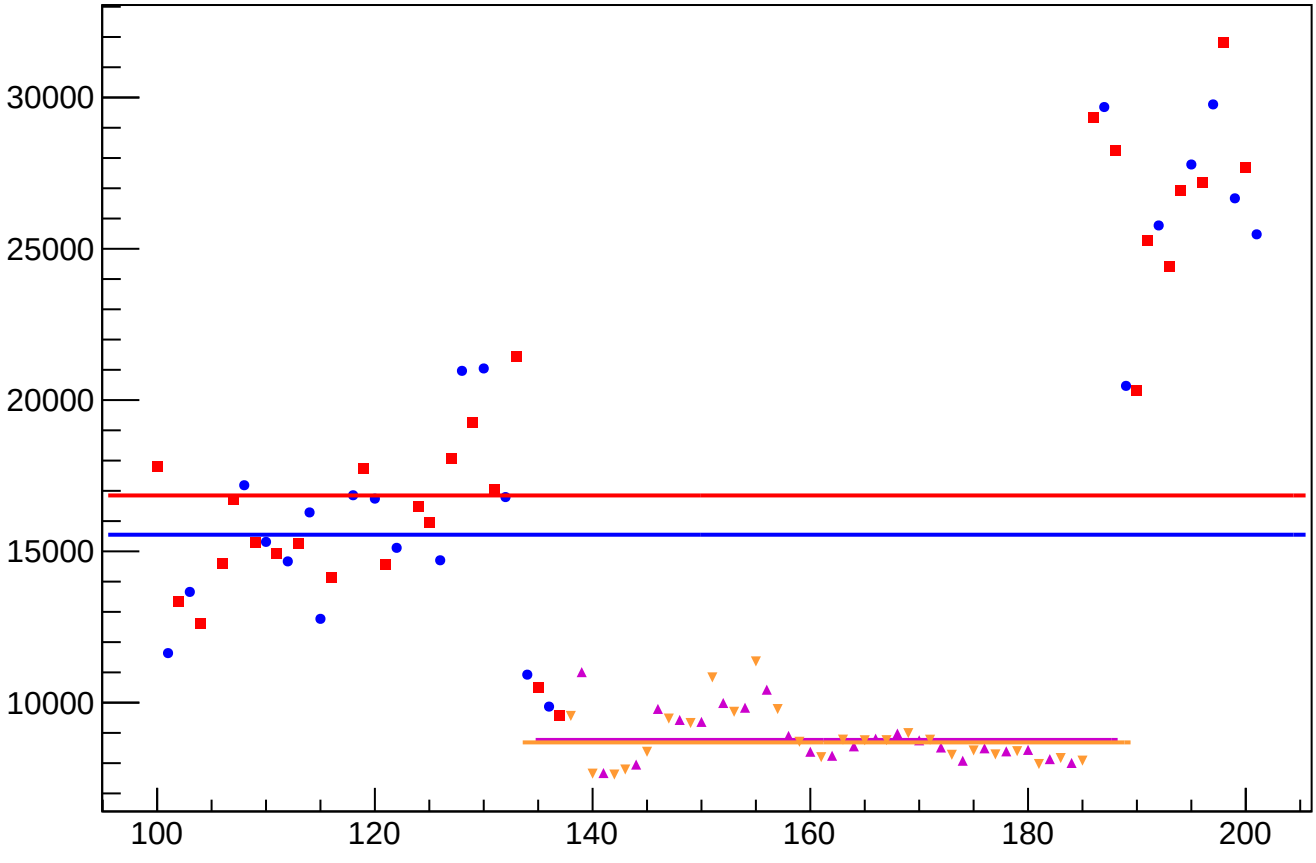
Right: -0.057+/-3.376 χ^2/NDF: 57.6/50

In: -1.340+/-1.888 χ^2/NDF:60.8/45

Out: -5.780+/-1.837 χ^2/NDF:98.3/52

All: -3.621+/-1.317 χ^2/NDF: 161.9/98

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: 16847.725+/-3.408 χ^2/NDF: 2782607.4/27

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

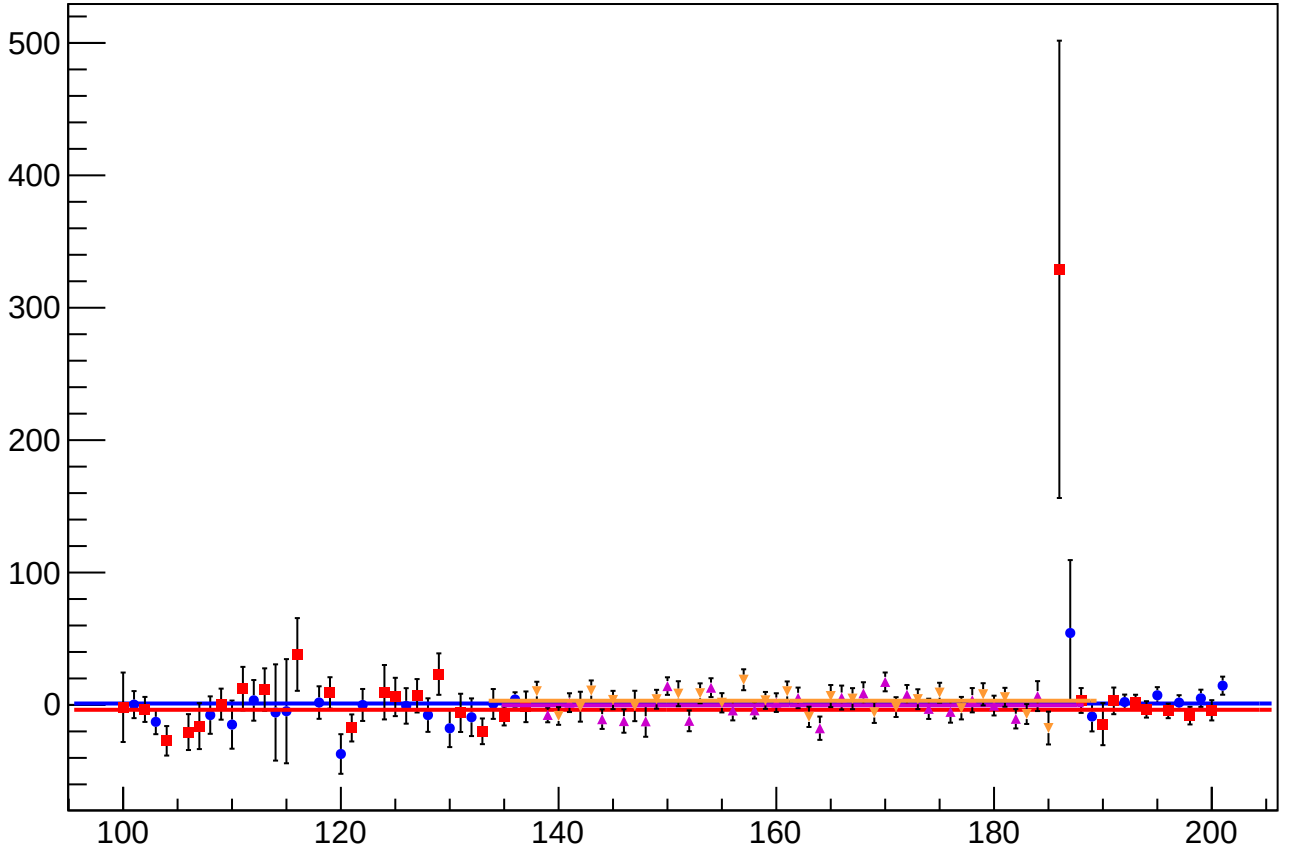
Right: 16186.597+/-2.387 χ^2/NDF: 5638514.7/50

In: 9848.158+/-1.335 χ^2/NDF:6534187.6/45

Out: 9871.469+/-1.299 χ^2/NDF:8024391.2/52

All: 9860.132+/-0.931 χ^2/NDF: 14558735.4/9

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: -3.670+/-1.898 χ^2/NDF: 28.2/27

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

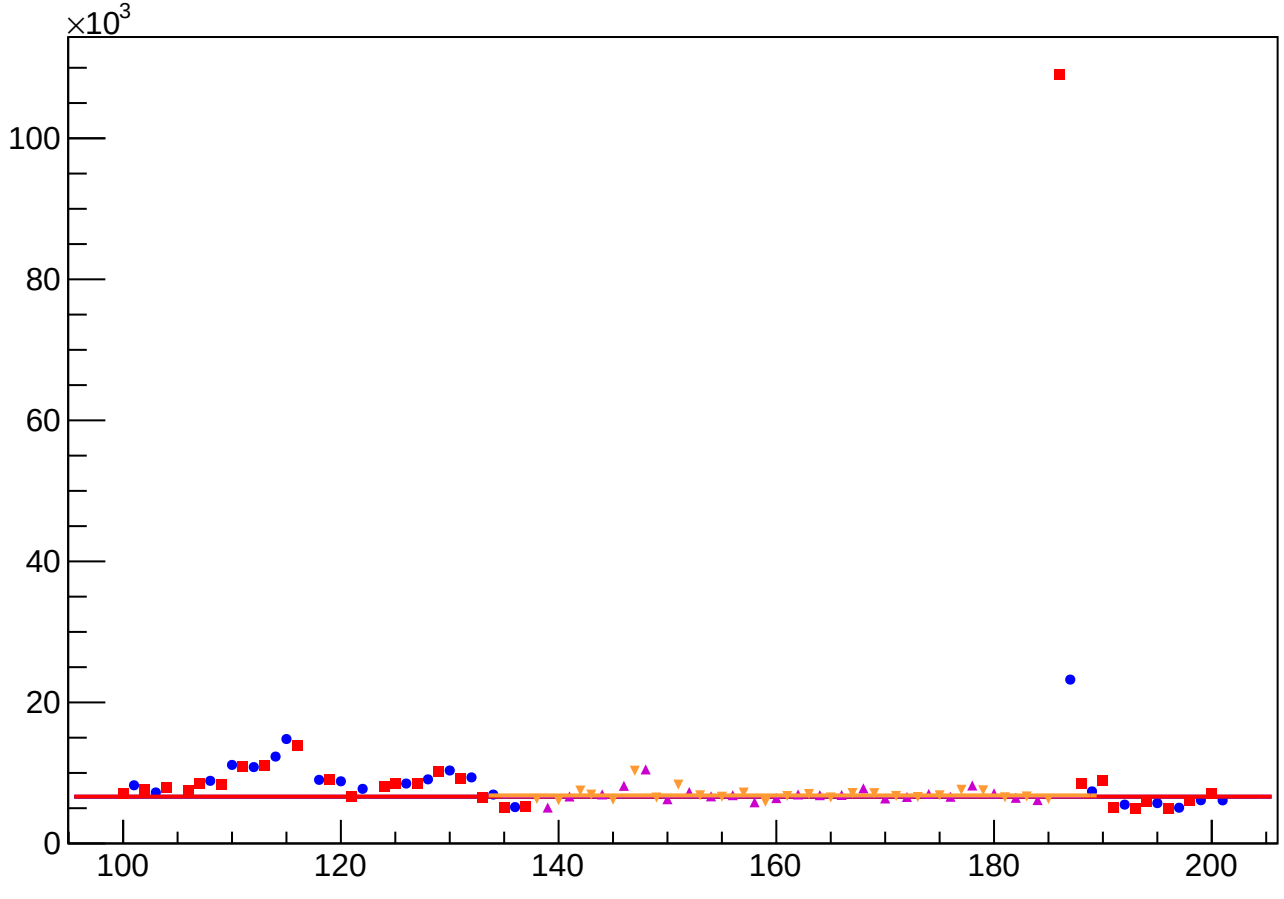
Right: -1.379+/-1.366 χ^2/NDF: 51.3/50

In: 0.264+/-1.236 χ^2/NDF:54.6/45

Out: 0.410+/-1.206 χ^2/NDF:57.6/52

All: 0.339+/-0.863 χ^2/NDF: 112.2/98

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: 6643.356+/-1.342 χ^2/NDF: 2295051.0/27

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

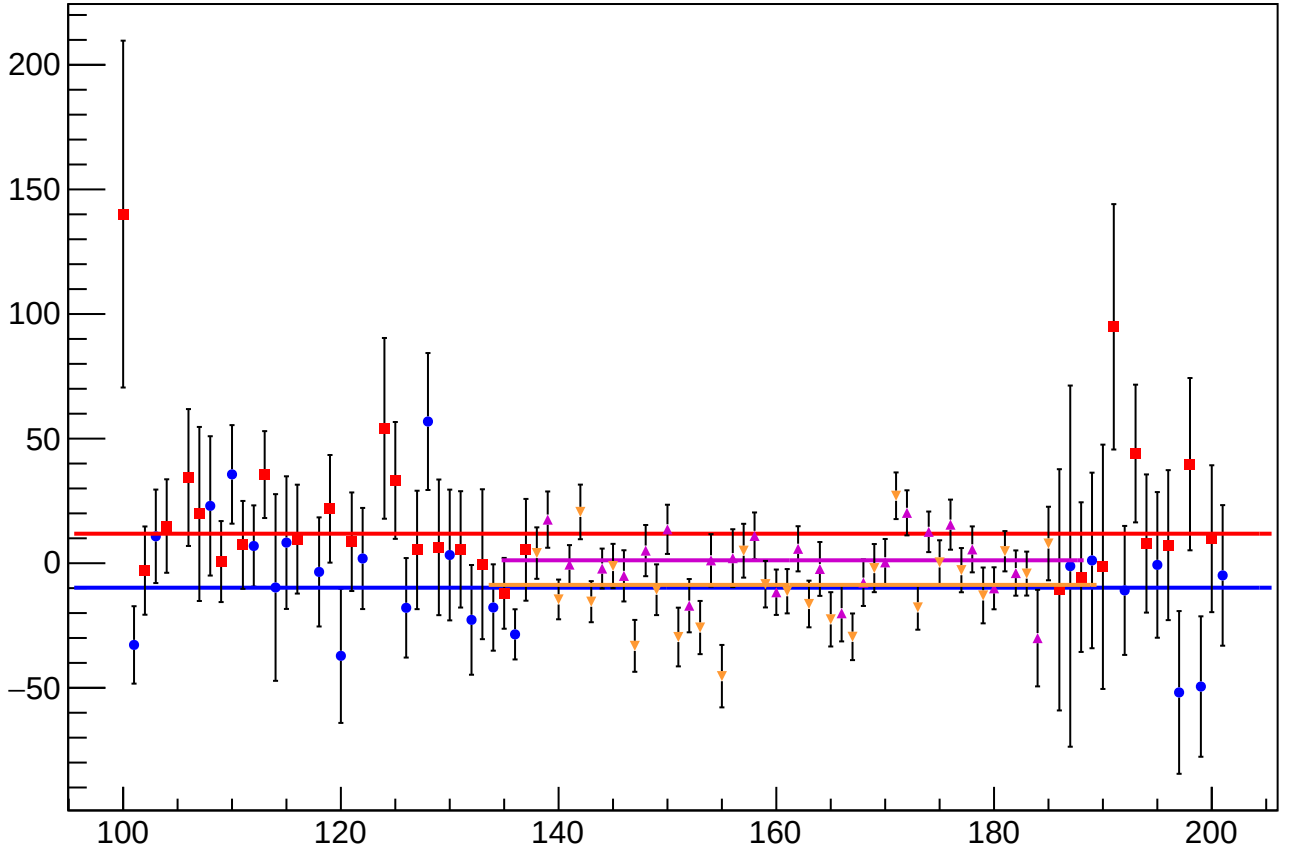
Right: 6633.449+/-0.966 χ^2/NDF: 3911063.8/50

In: 6686.329+/-0.874 χ^2/NDF:2229388.0/45

Out: 6744.498+/-0.853 χ^2/NDF:2699192.9/52

All: 6716.137+/-0.610 χ^2/NDF: 4930849.1/98

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: 11.846+/-4.493 χ^2/NDF: 18.5/27

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

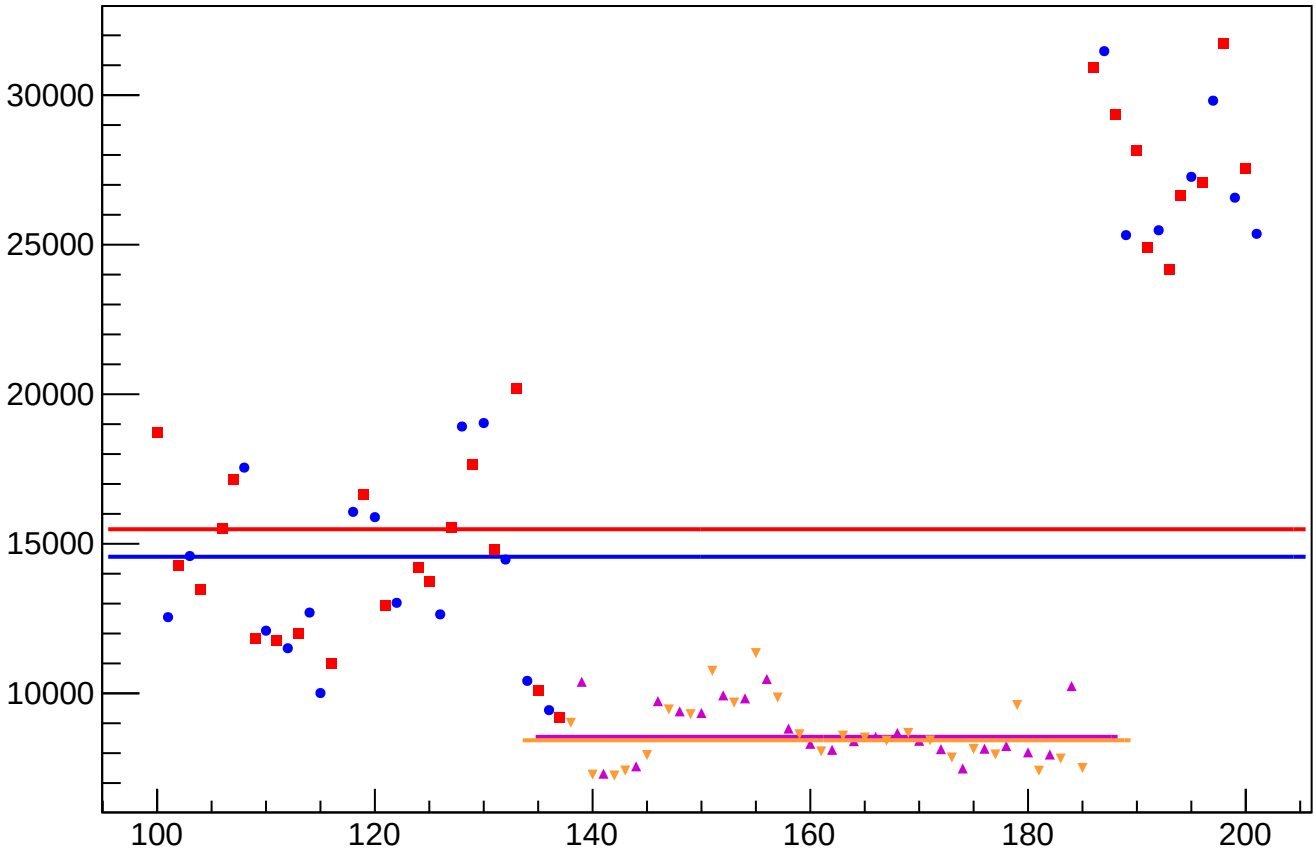
Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

Right: 0.930+/-3.165 χ^2/NDF: 57.4/50

In: -0.687+/-1.834 χ^2/NDF:60.8/45

Out: -5.476+/-1.778 χ^2/NDF:97.5/52

All: -3.156+/-1.277 χ^2/NDF: 161.9/98



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: 15486.528+/-3.177 χ^2/NDF: 3419837.6/27

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

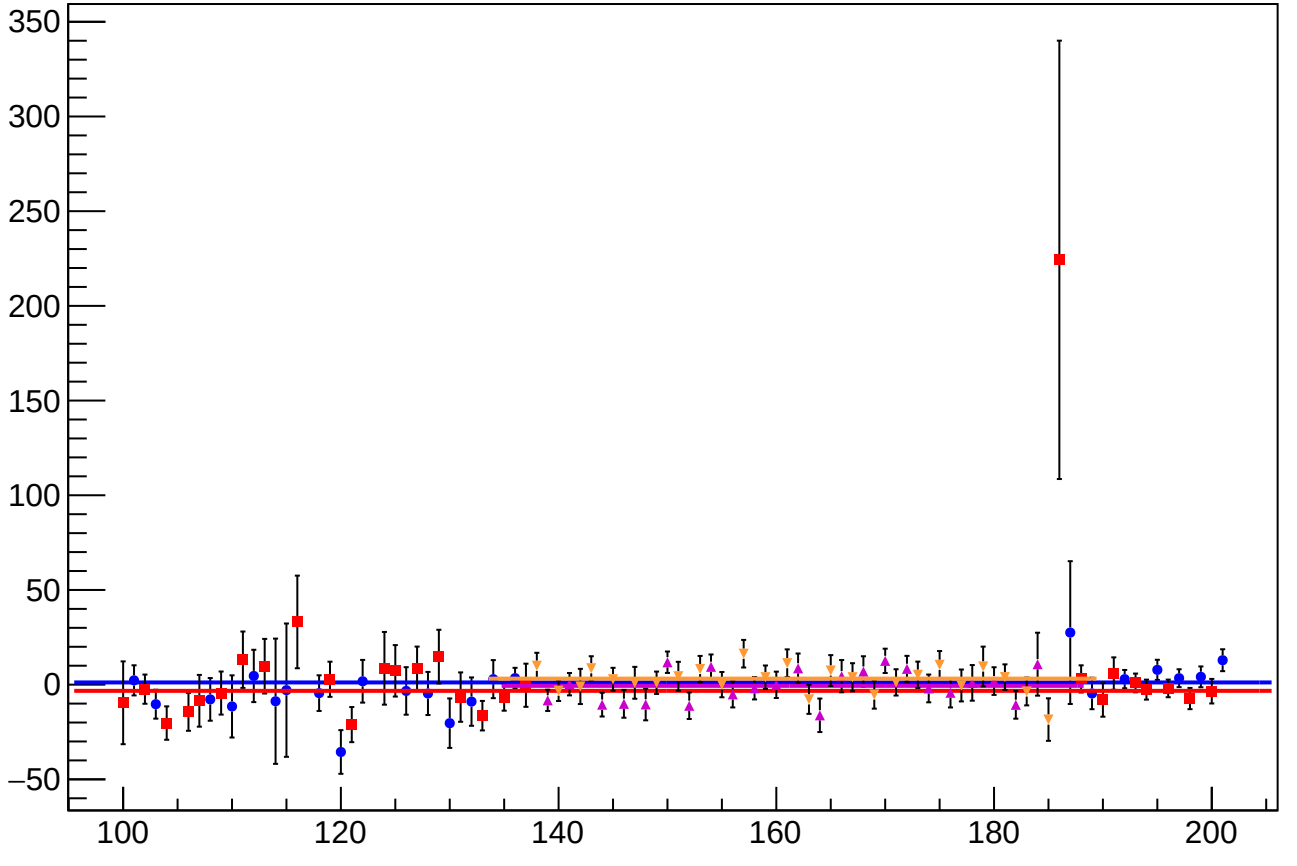
Right: 15023.115+/-2.238 χ^2/NDF: 6591416.1/50

In: 9563.924+/-1.297 χ^2/NDF:6547349.1/45

Out: 9535.653+/-1.257 χ^2/NDF:8064071.3/52

All: 9549.349+/-0.903 χ^2/NDF: 14611665.3/9

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: -3.267+/-1.613 χ^2/NDF: 27.8/27

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

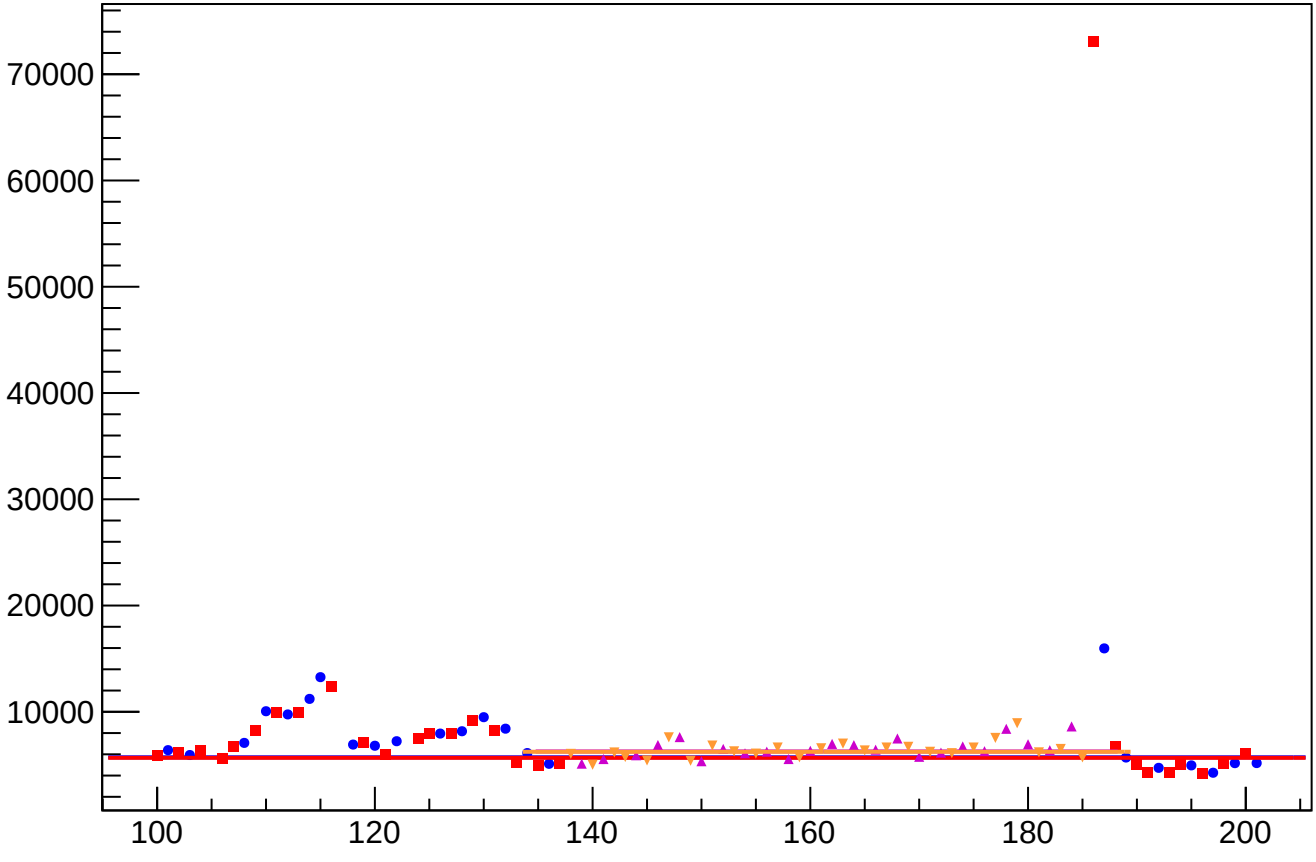
Right: -1.155+/-1.168 χ^2/NDF: 56.8/50

In: 0.149+/-1.115 χ^2/NDF:57.9/45

Out: 0.336+/-1.072 χ^2/NDF:55.4/52

All: 0.246+/-0.773 χ^2/NDF: 113.3/98

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: 5670.818+/-1.141 χ^2/NDF: 2247572.2/27

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

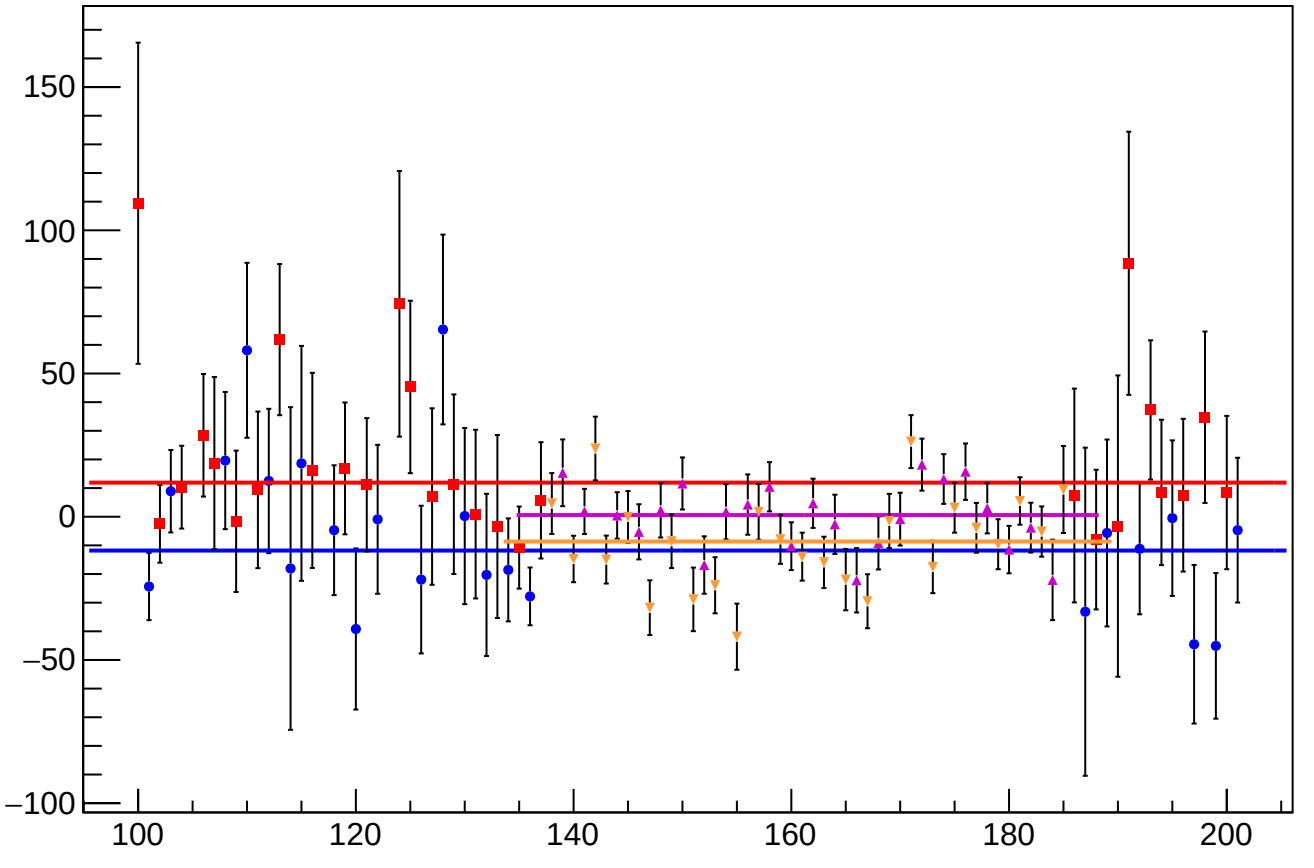
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

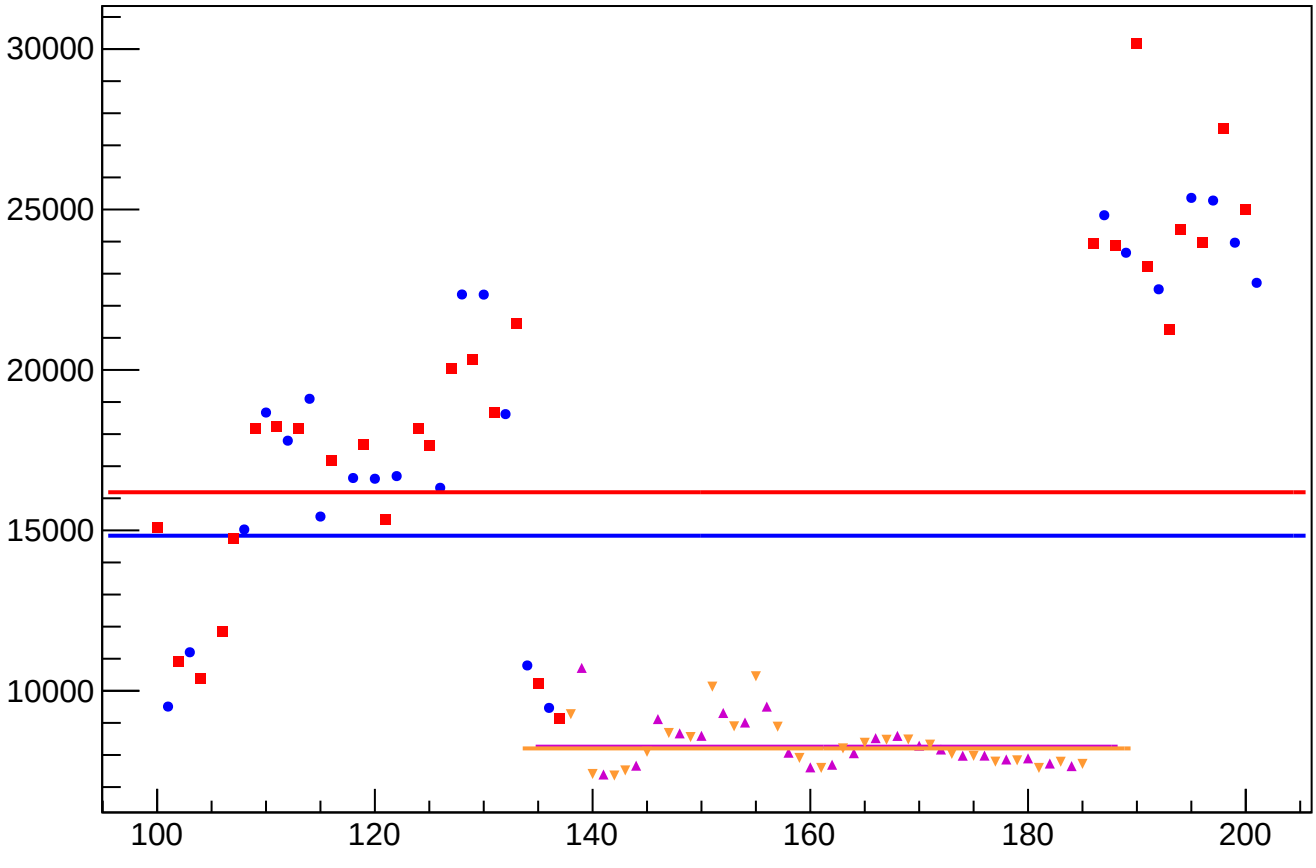
Right: 5693.192+/-0.826 χ^2/NDF: 3778397.8/50

In: 6029.376+/-0.788 χ^2/NDF:2174129.3/45

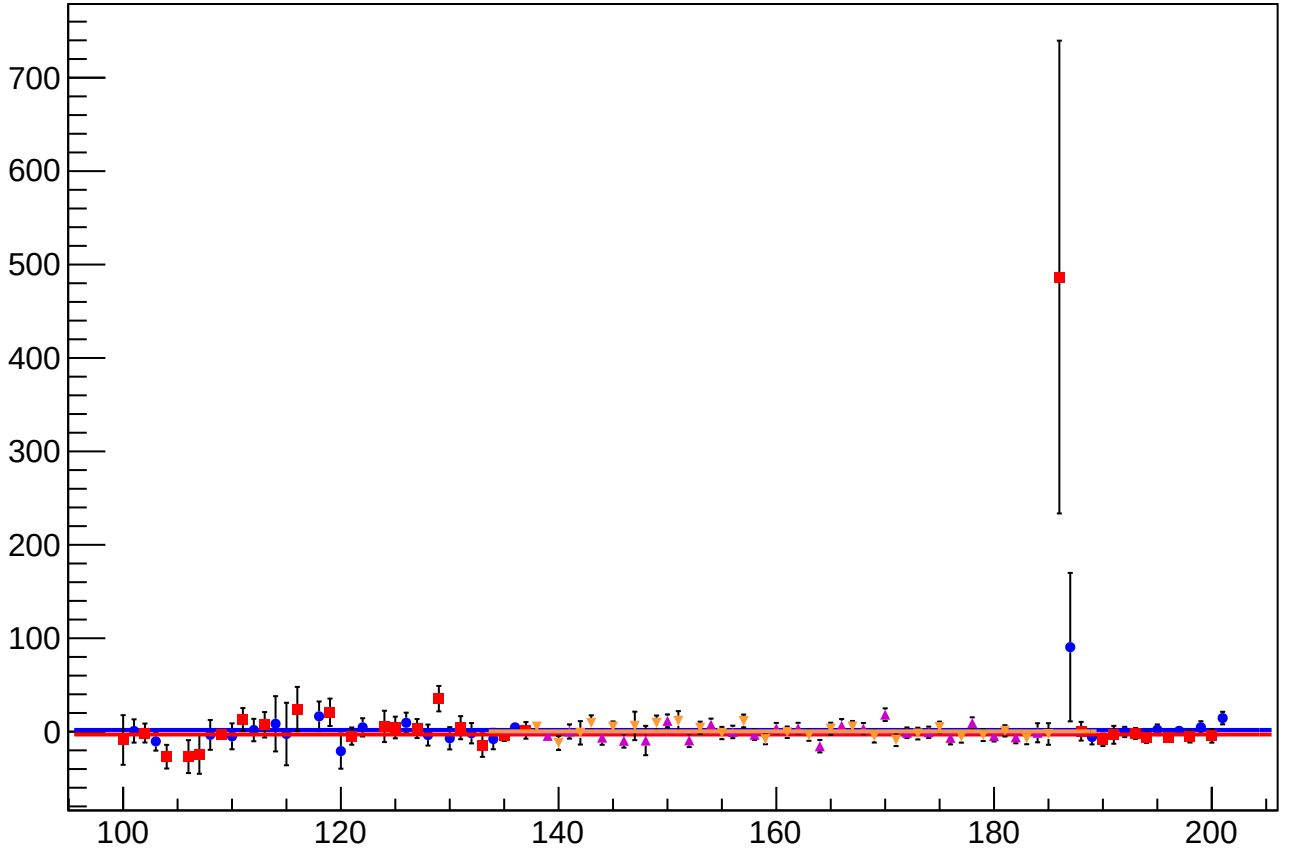
Out: 5987.490+/-0.758 χ^2/NDF:2893282.6/52

All: 6007.617+/-0.546 χ^2/NDF: 5068878.7/98


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -11.807+/-4.533 χ²/NDF: 24.9/22
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: 11.910+/-4.647 χ²/NDF: 20.1/27
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: -0.241+/-3.245 χ²/NDF: 58.3/50
In: -1.333+/-1.783 χ²/NDF:59.7/45
Out: -5.771+/-1.739 χ²/NDF:100.0/52
All: -3.607+/-1.245 χ²/NDF: 162.9/98


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: 16188.265+/-3.286 χ²/NDF: 2934909.4/27
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15494.414+/-2.294 χ²/NDF: 6066345.4/50
In: 9275.784+/-1.261 χ²/NDF:6858011.6/45
Out: 9322.538+/-1.230 χ²/NDF:8285427.5/52
All: 9299.743+/-0.880 χ²/NDF: 15144144.1/9

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: -3.015+/-1.634 χ^2/NDF: 28.6/27

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

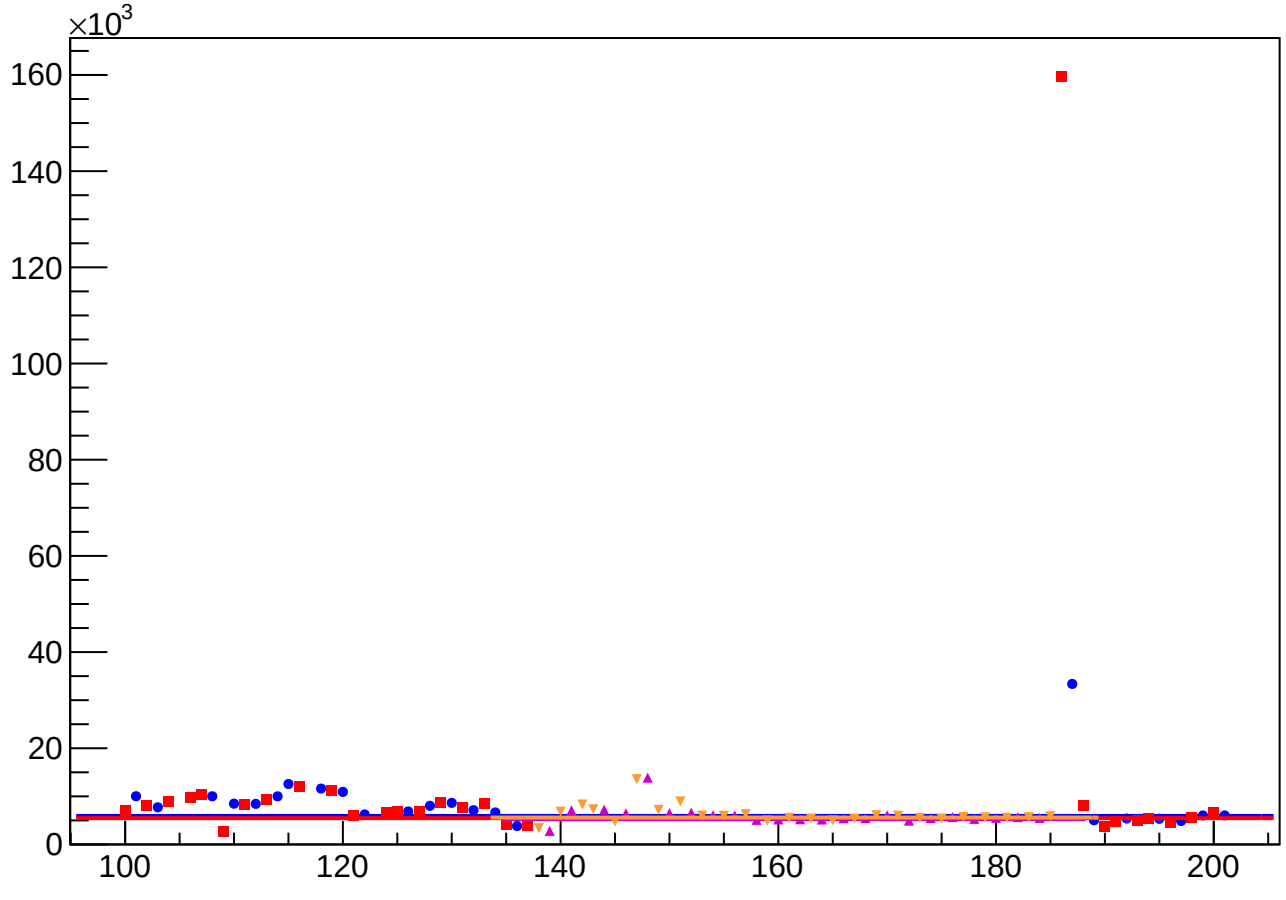
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.808+/-1.207 χ^2/NDF: 45.8/50

In: 0.163+/-1.047 χ^2/NDF:44.3/45

Out: -0.979+/-1.028 χ^2/NDF:52.7/52

All: -0.419+/-0.733 χ^2/NDF: 97.6/98



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: 5470.625+/-1.156 χ^2/NDF: 3734972.7/27

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

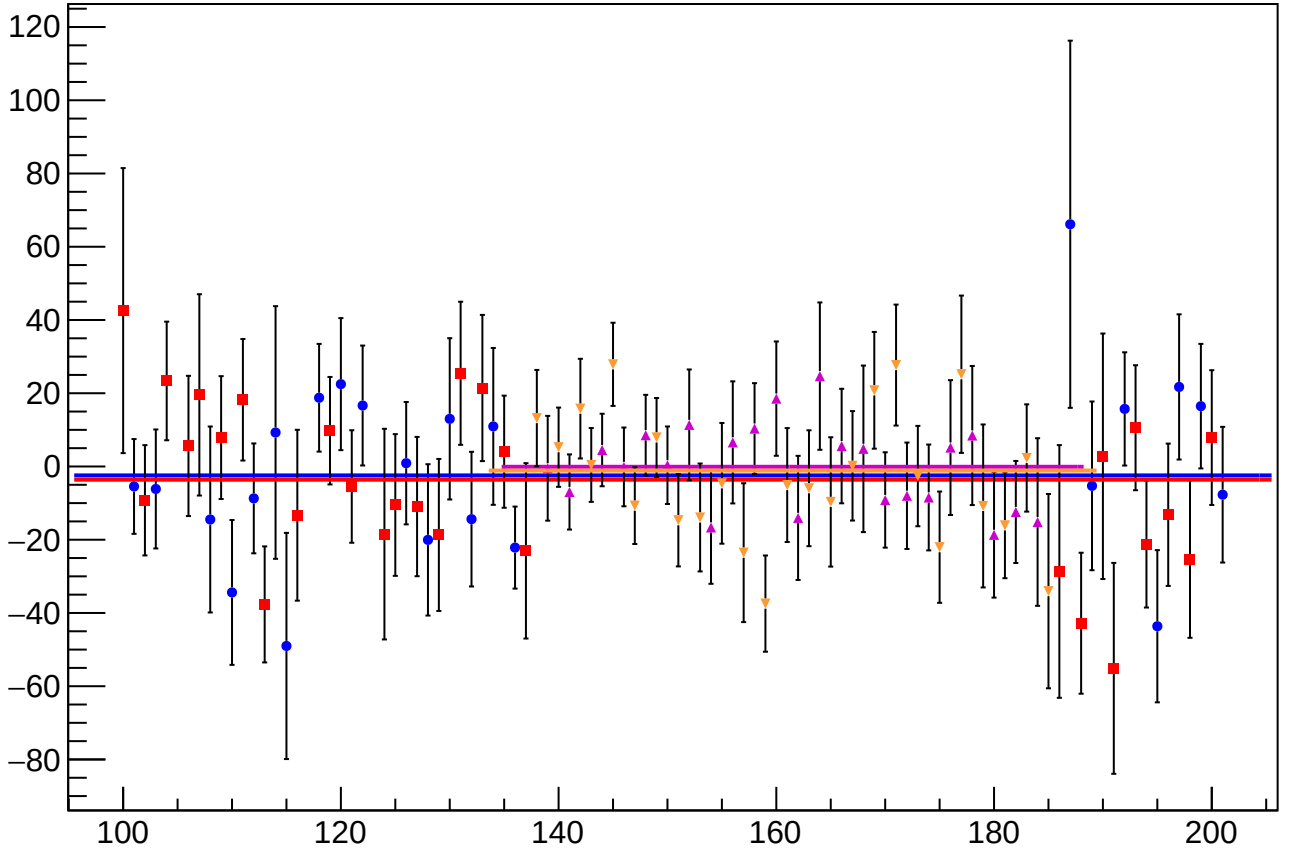
Right: 5678.585+/-0.853 χ^2/NDF: 6015926.8/50

In: 5490.434+/-0.741 χ^2/NDF:4817051.2/45

Out: 5545.519+/-0.727 χ^2/NDF:5526180.0/52

All: 5518.498+/-0.519 χ^2/NDF: 10346050.4/9

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: -3.607+/-3.649 χ^2/NDF: 30.1/27

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

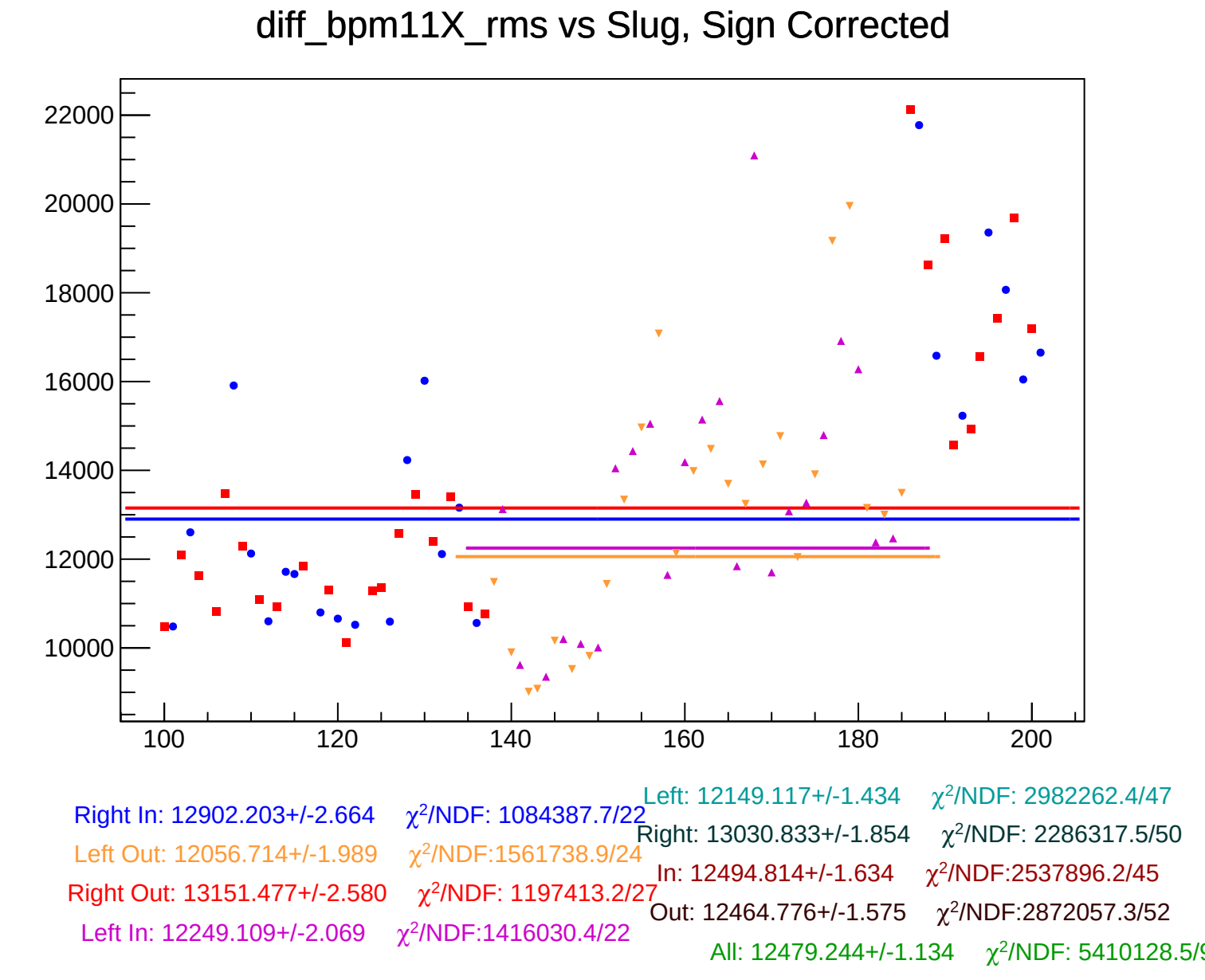
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.042+/-2.621 χ^2/NDF: 56.2/50

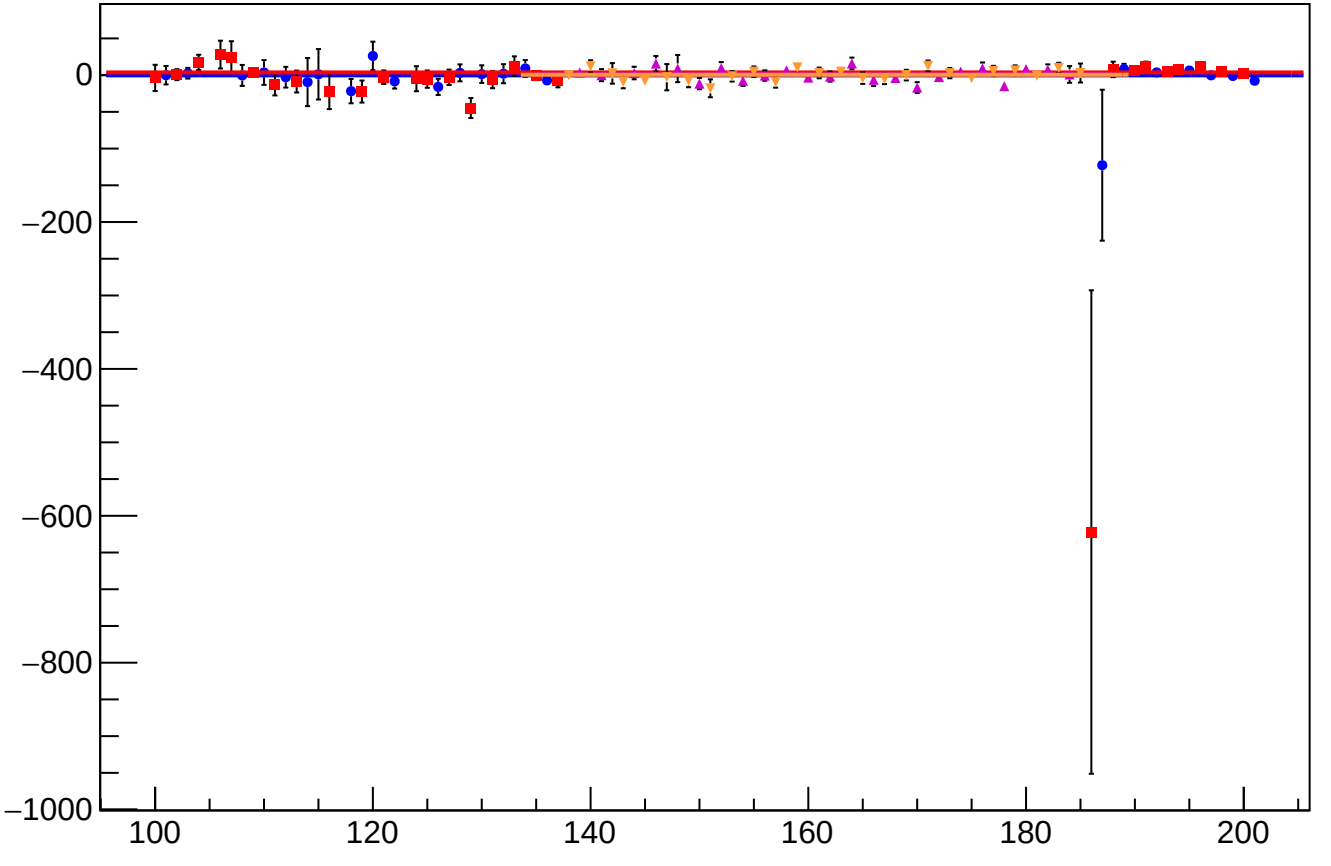
In: -0.971+/-2.311 χ^2/NDF:37.7/45

Out: -2.041+/-2.228 χ^2/NDF:64.2/52

All: -1.526+/-1.604 χ^2/NDF: 102.0/98


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: 13151.477+/-2.580 χ²/NDF: 1197413.2/27
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13030.833+/-1.854 χ²/NDF: 2286317.5/50
In: 12494.814+/-1.634 χ²/NDF:2537896.2/45
Out: 12464.776+/-1.575 χ²/NDF:2872057.3/52
All: 12479.244+/-1.134 χ²/NDF: 5410128.5/9

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: 3.684+/-1.499 χ^2/NDF: 36.4/27

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

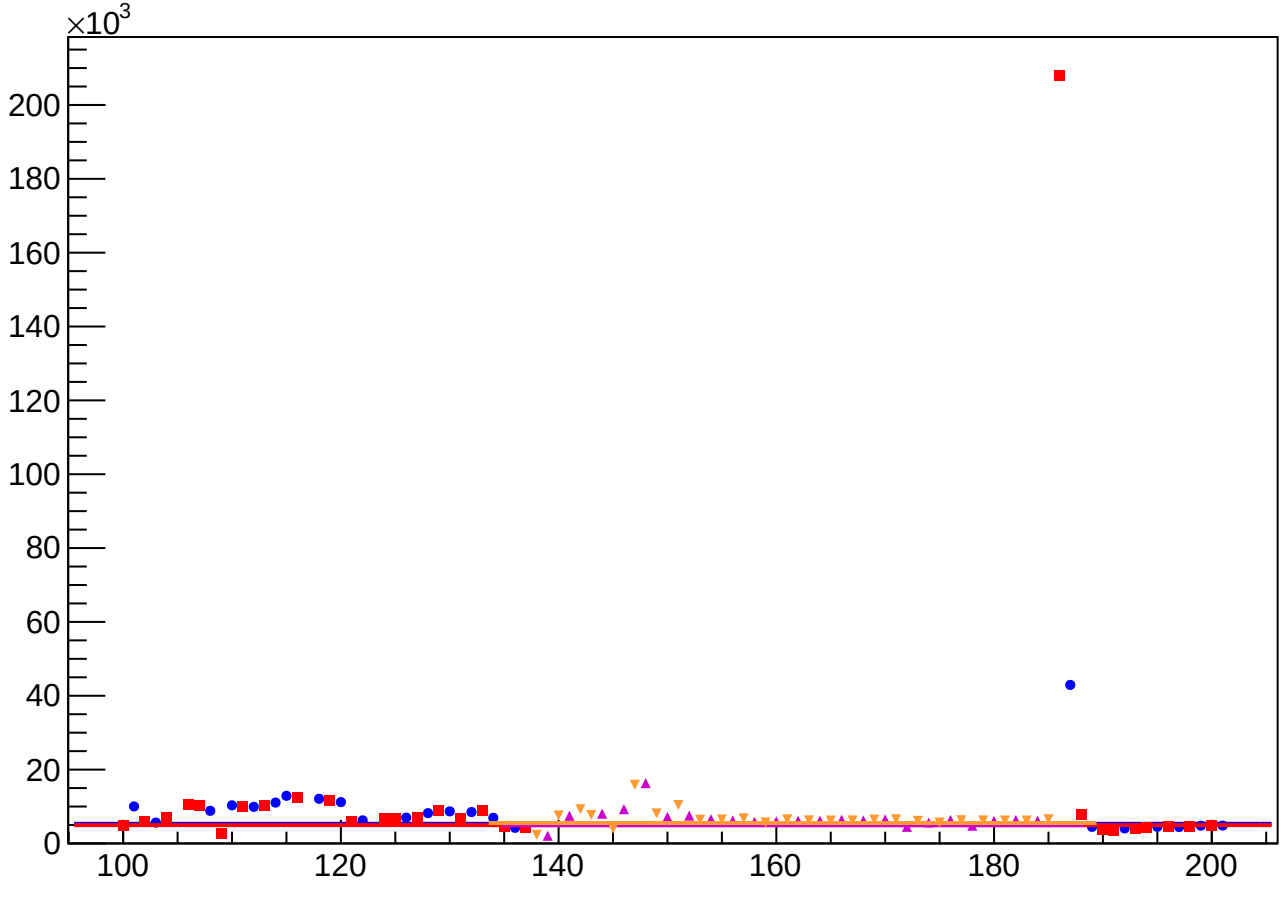
Right: 1.854+/-1.104 χ^2/NDF: 56.8/50

In: 0.460+/-1.014 χ^2/NDF:49.7/45

Out: 1.961+/-1.011 χ^2/NDF:60.3/52

All: 1.213+/-0.716 χ^2/NDF: 111.0/98

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: 4962.853+/-1.060 χ^2/NDF: 3687587.6/27

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

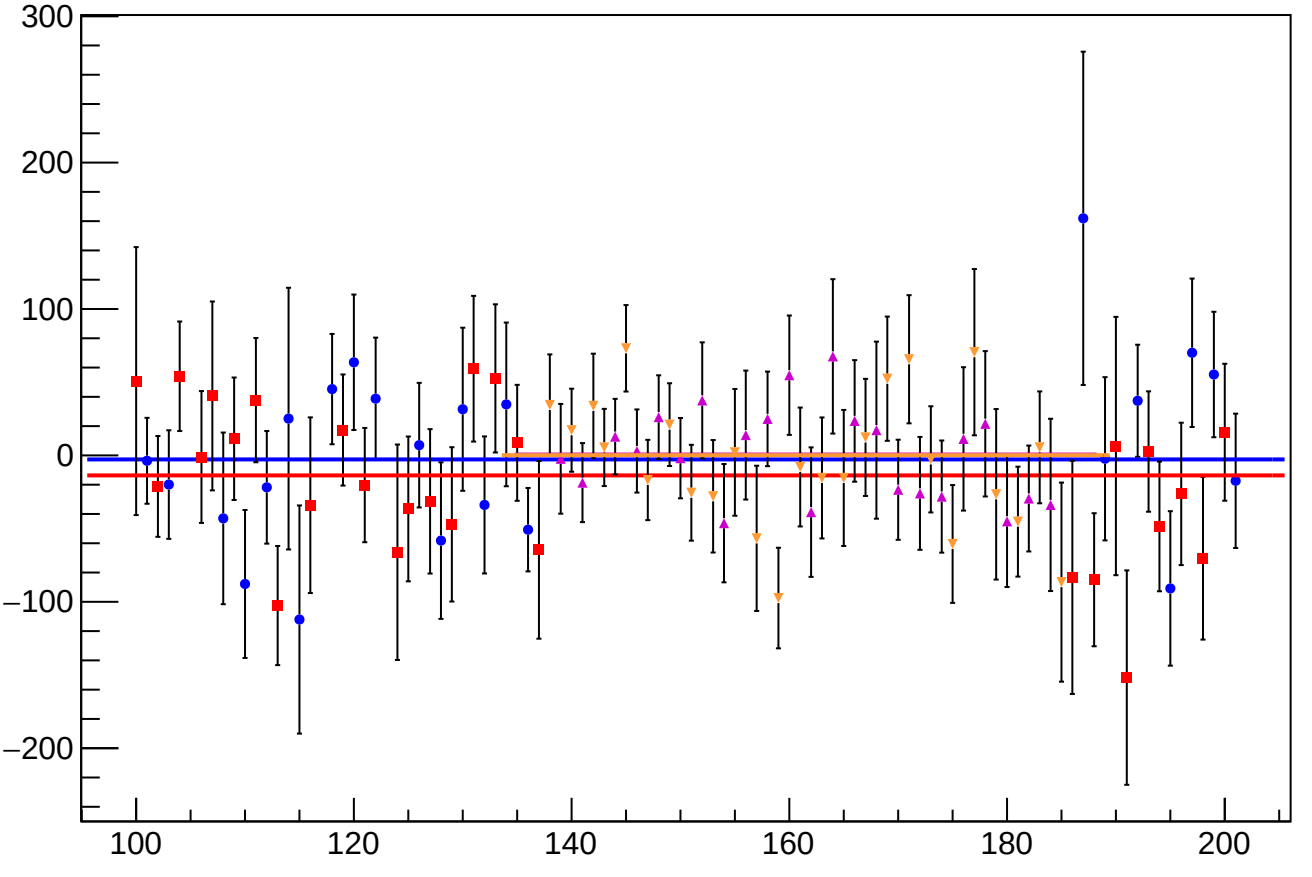
Right: 5128.288+/-0.781 χ^2/NDF: 6466394.4/50

In: 5089.618+/-0.717 χ^2/NDF:8729091.8/45

Out: 5271.100+/-0.715 χ^2/NDF:8218281.2/52

All: 5180.630+/-0.506 χ^2/NDF: 16979507.9/9

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: -13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

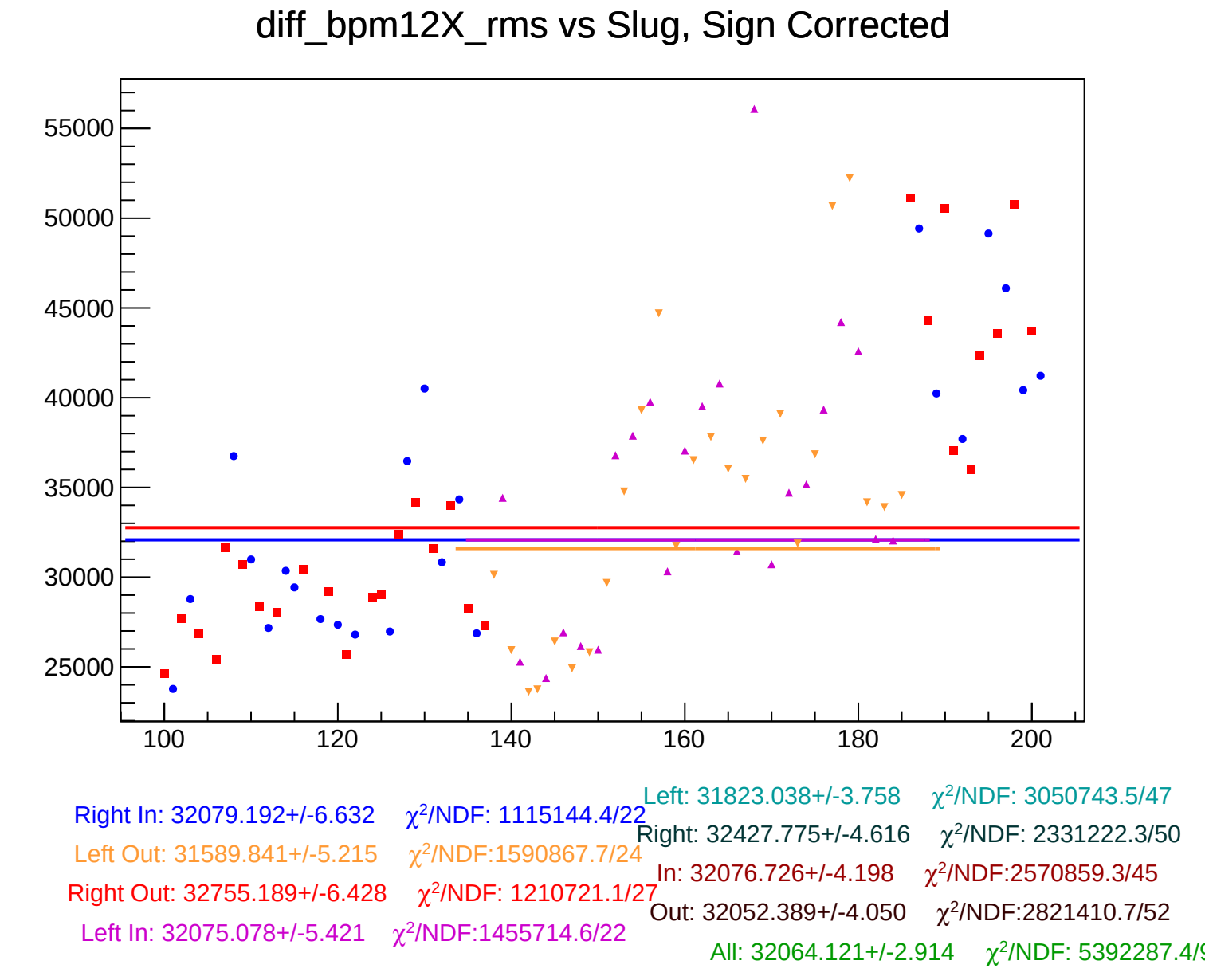
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.368+/-6.528 χ^2/NDF: 53.7/50

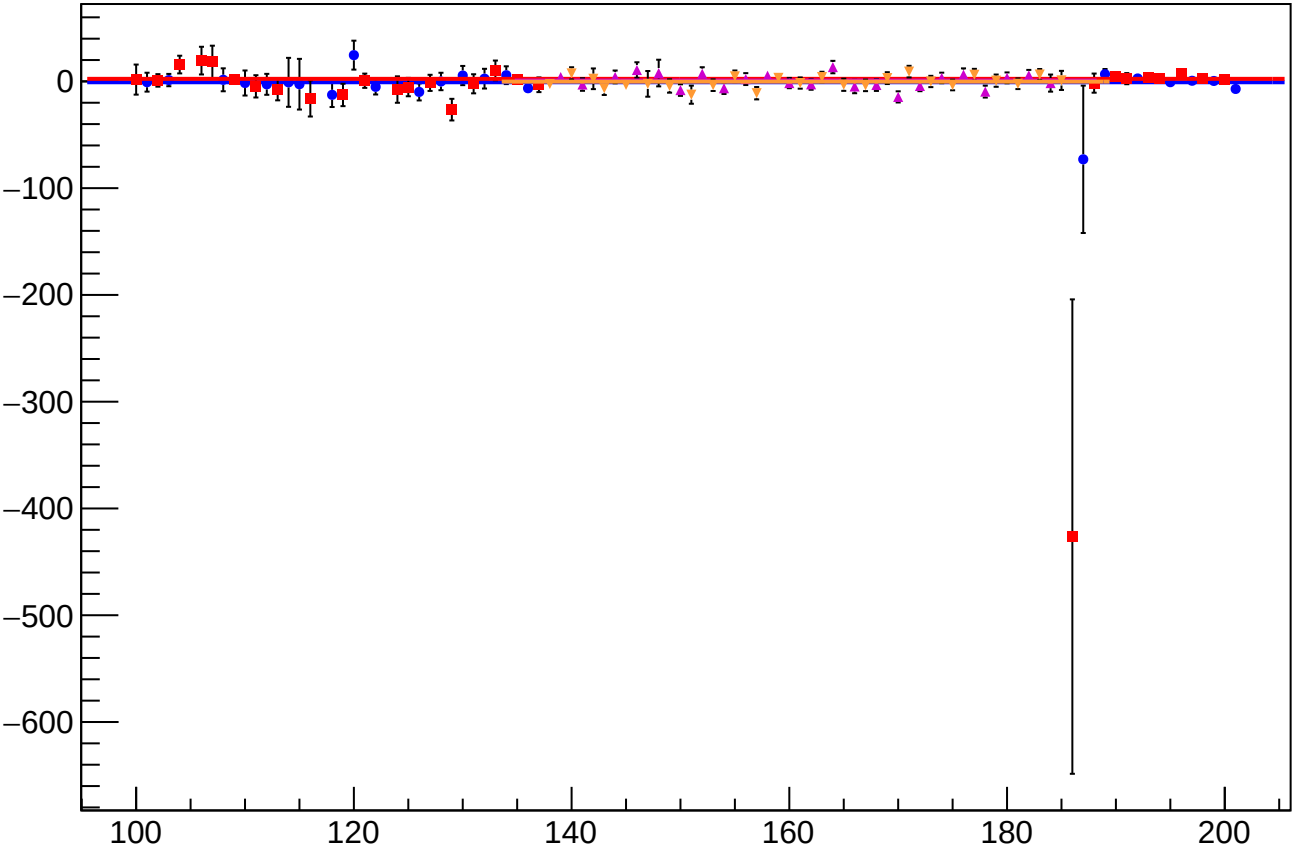
In: -0.747+/-5.936 χ^2/NDF:38.6/45

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -3.114+/-4.122 χ^2/NDF: 98.7/98


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: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32427.775+/-4.616 χ²/NDF: 2331222.3/50
In: 32076.726+/-4.198 χ²/NDF:2570859.3/45
Out: 32052.389+/-4.050 χ²/NDF:2821410.7/52
All: 32064.121+/-2.914 χ²/NDF: 5392287.4/9

diff_bpm12Y_mean vs Slug, Sign Corrected



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: 2.377+/-1.084 χ^2/NDF: 28.8/27

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

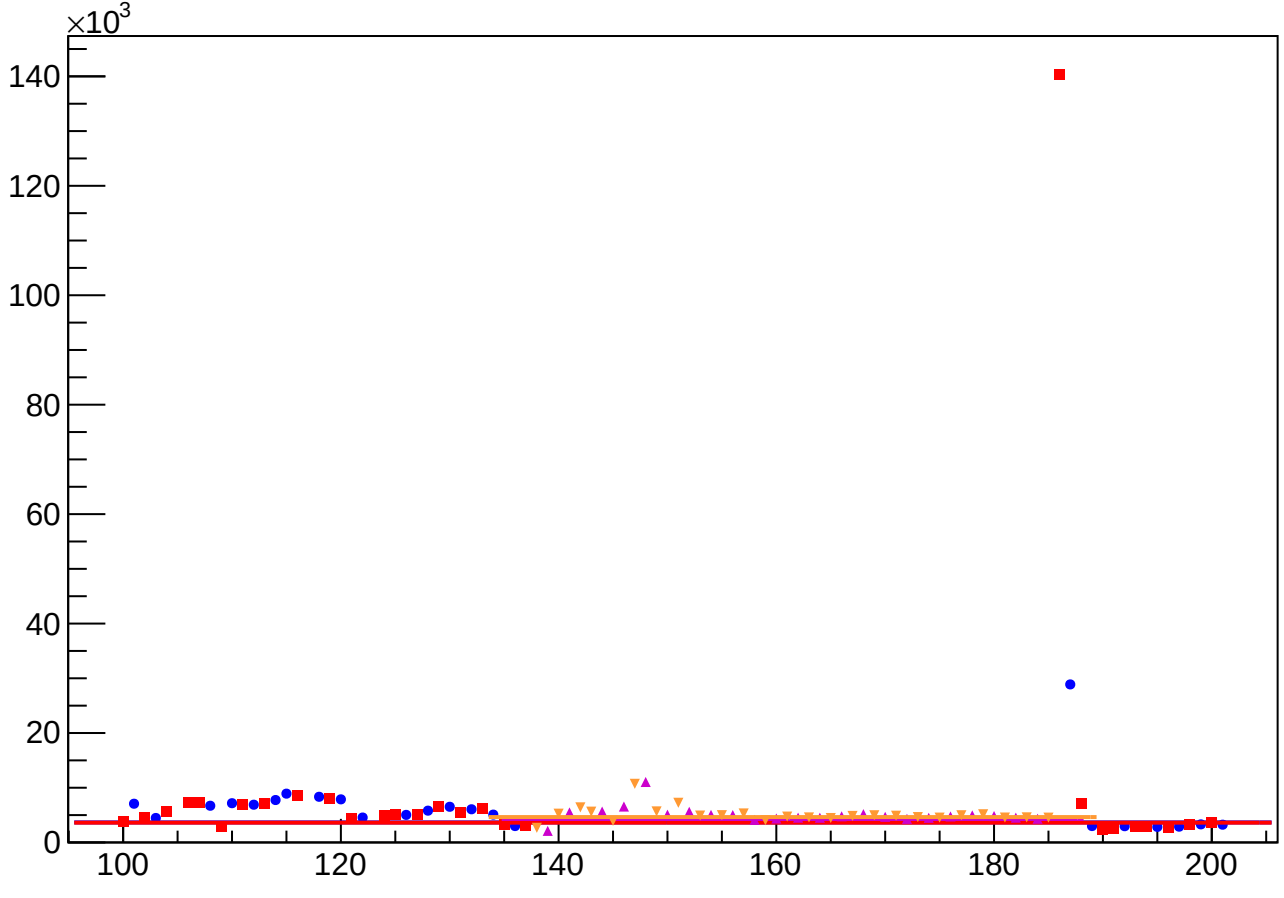
Right: 0.848+/-0.782 χ^2/NDF: 52.0/50

In: 0.038+/-0.773 χ^2/NDF:53.8/45

Out: 1.088+/-0.770 χ^2/NDF:51.6/52

All: 0.565+/-0.545 χ^2/NDF: 106.3/98

diff_bpm12Y_rms vs Slug, Sign Corrected



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: 3618.319+/-0.766 χ^2/NDF: 3721656.3/27

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

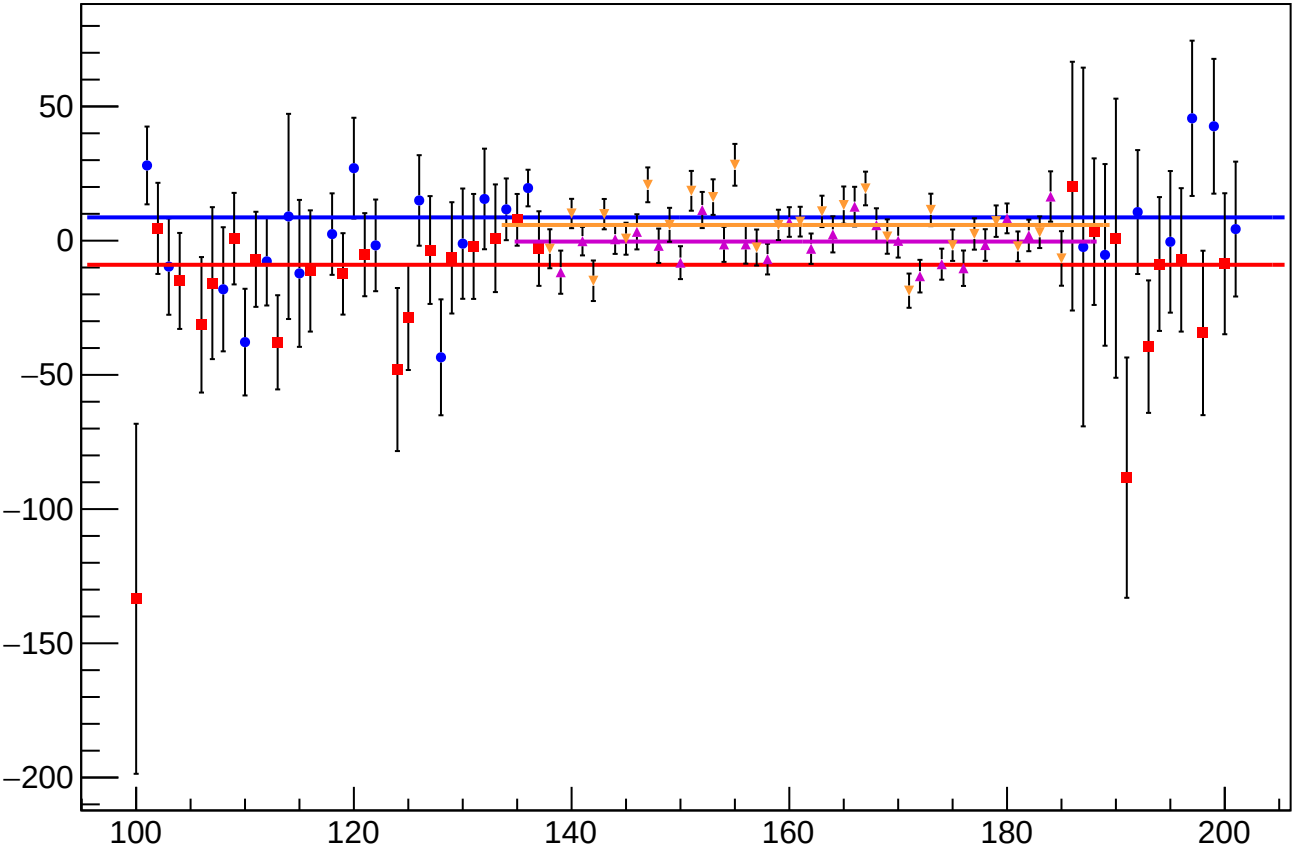
Right: 3638.982+/-0.553 χ^2/NDF: 6737509.6/50

In: 3997.996+/-0.547 χ^2/NDF:6444632.2/45

Out: 4123.047+/-0.544 χ^2/NDF:6360794.6/52

All: 4060.776+/-0.386 χ^2/NDF: 12831704.0/9

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: -8.982+/-3.797 χ^2/NDF: 20.7/27

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

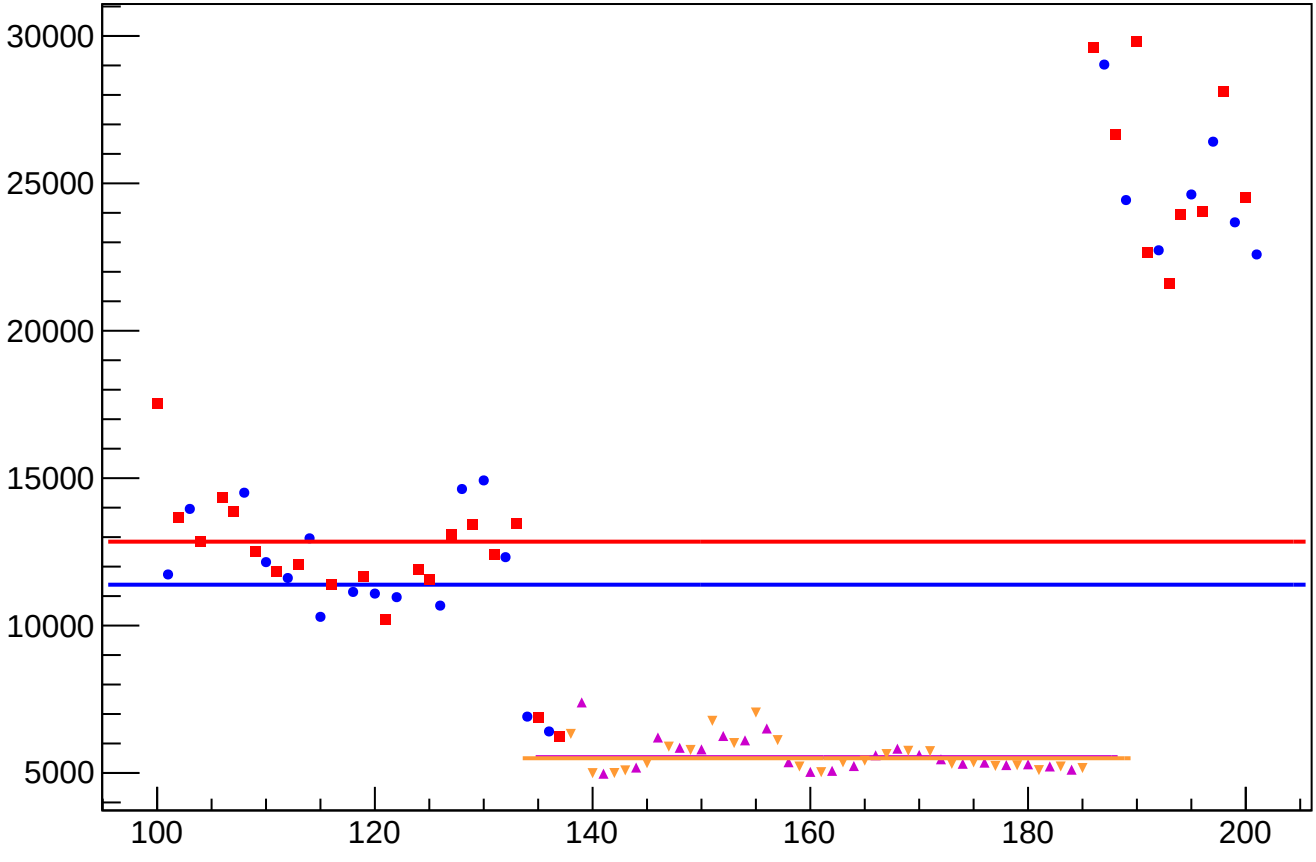
Right: 0.326+/-2.611 χ^2/NDF: 57.6/50

In: 0.706+/-1.223 χ^2/NDF:60.4/45

Out: 4.383+/-1.194 χ^2/NDF:94.5/52

All: 2.590+/-0.854 χ^2/NDF: 159.5/98

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: 12846.174+/-2.685 χ^2/NDF: 4321001.9/27

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

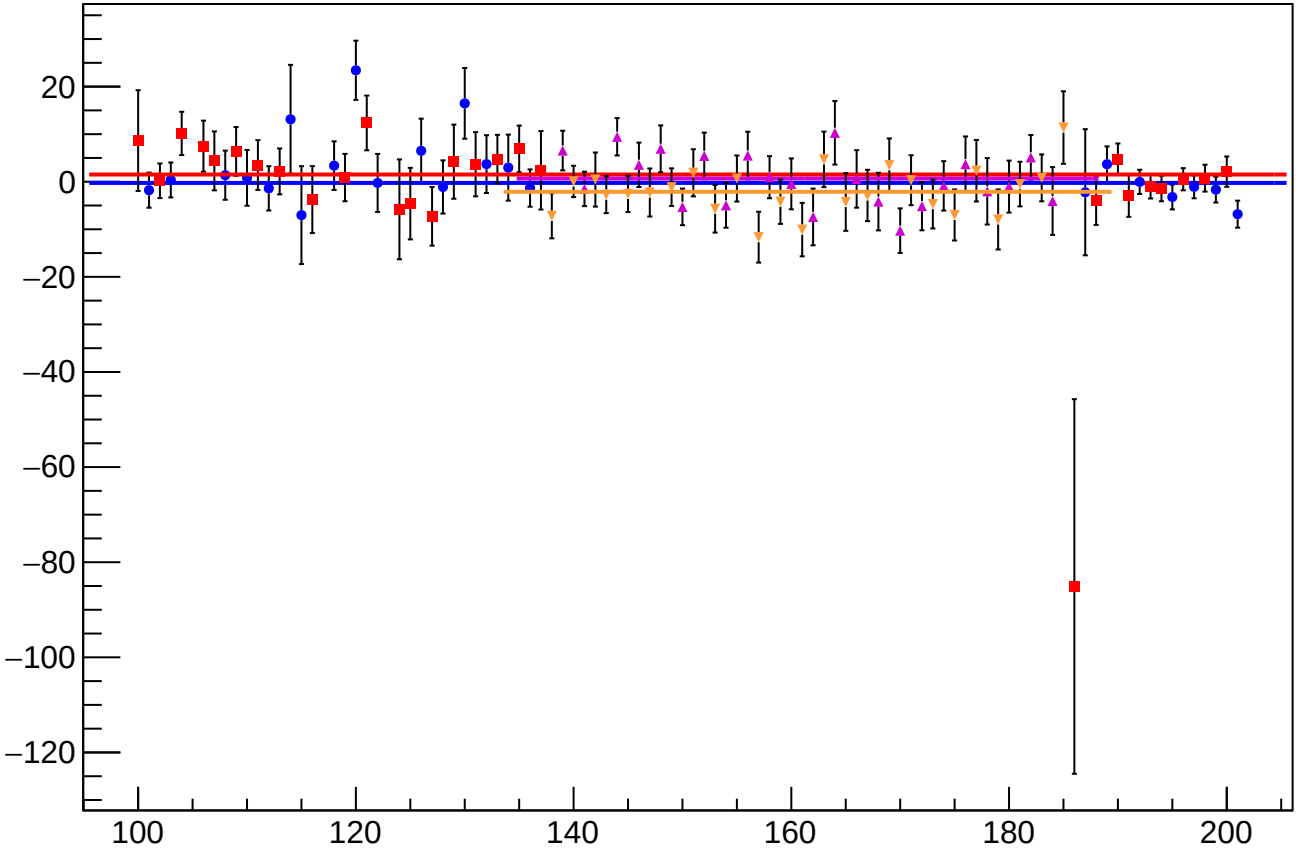
Right: 12076.658+/-1.846 χ^2/NDF: 8889376.5/50

In: 6214.364+/-0.865 χ^2/NDF:9393905.7/45

Out: 6225.238+/-0.844 χ^2/NDF:11366150.1/52

All: 6219.934+/-0.604 χ^2/NDF: 20760136.8/9

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: 1.518+/-0.825 χ^2/NDF: 26.3/27

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

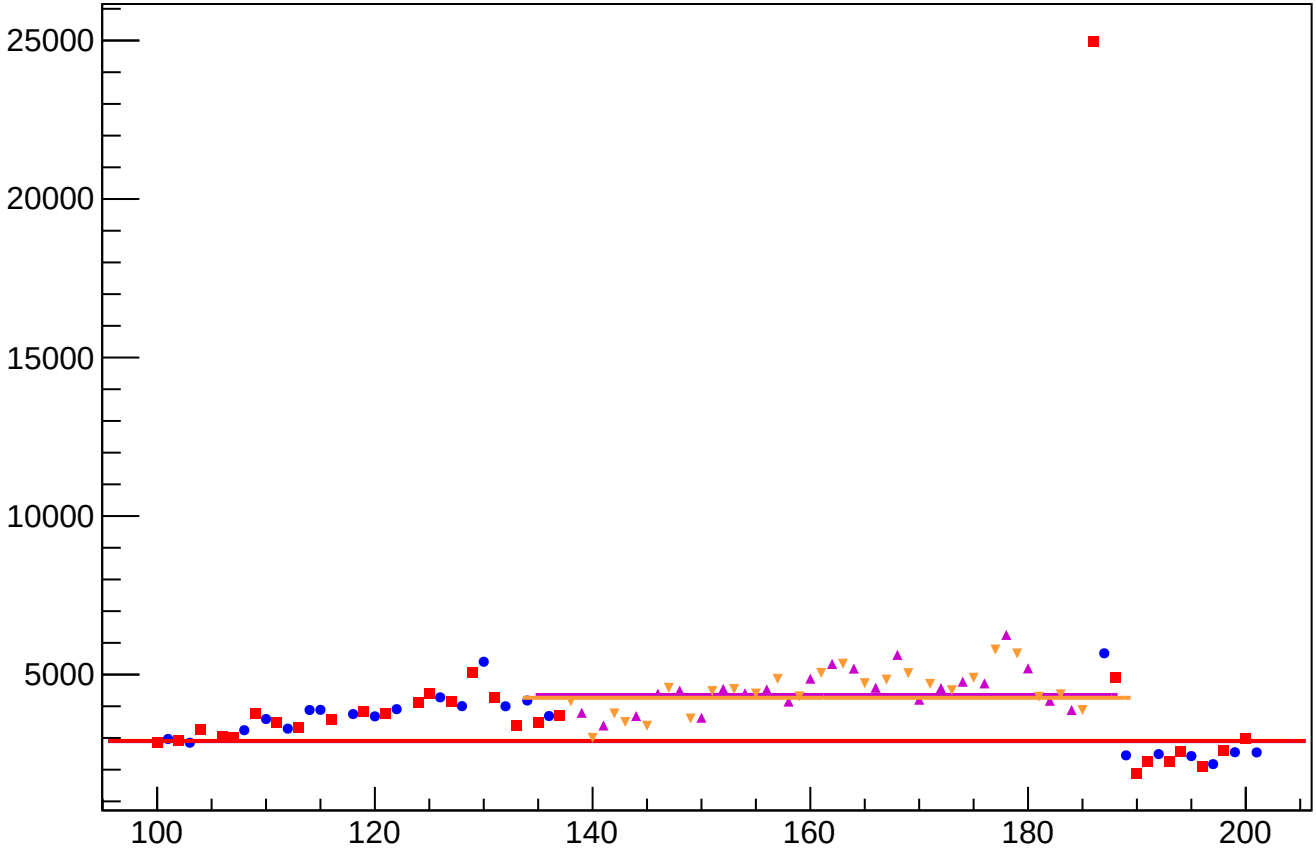
Right: 0.668+/-0.594 χ^2/NDF: 60.6/50

In: 0.127+/-0.659 χ^2/NDF:60.9/45

Out: 0.025+/-0.633 χ^2/NDF:51.8/52

All: 0.074+/-0.456 χ^2/NDF: 112.7/98

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2901.130+/-0.605 χ^2/NDF: 1312316.7/22

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2906.607+/-0.583 χ^2/NDF: 2358113.2/27

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

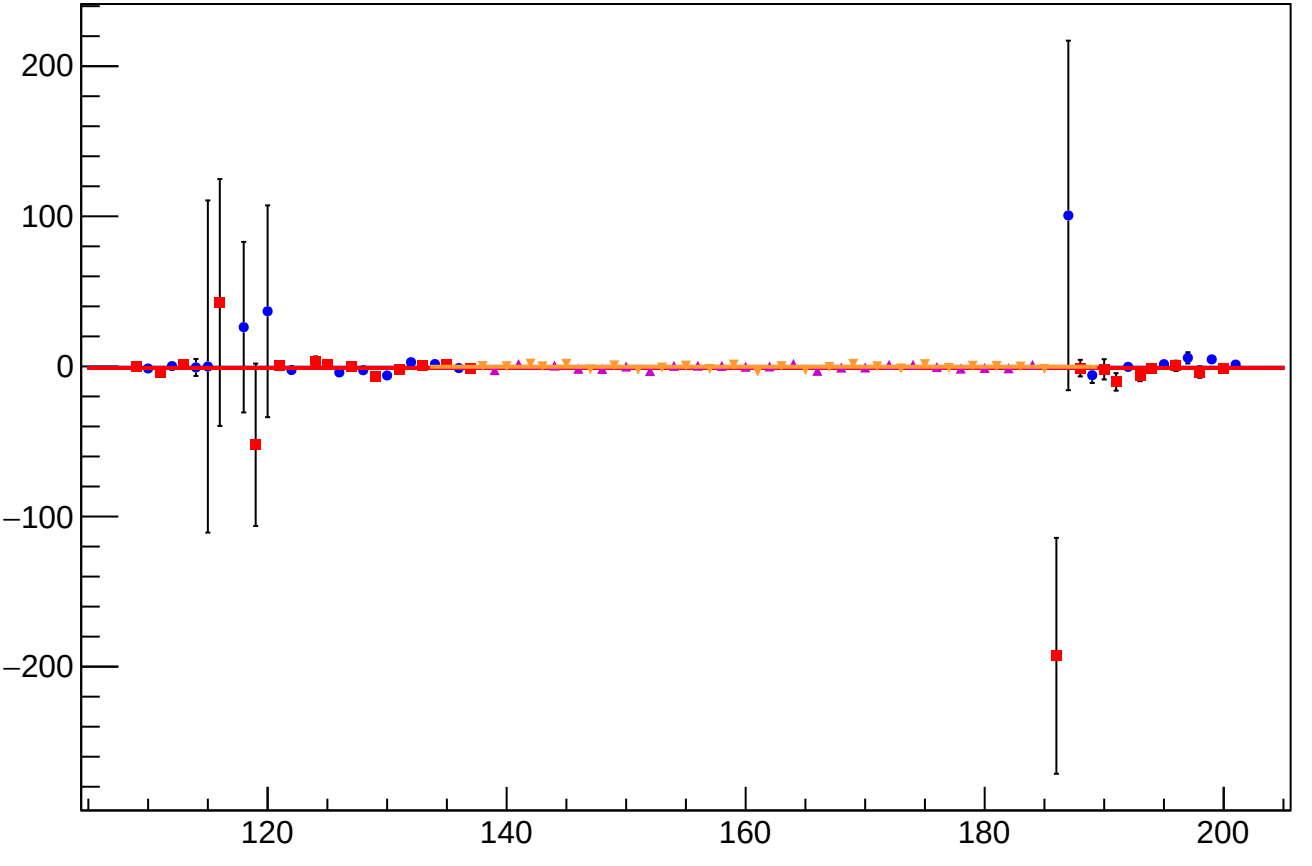
Right: 2903.971+/-0.420 χ^2/NDF: 3670472.3/50

In: 3494.825+/-0.466 χ^2/NDF:4412703.1/45

Out: 3465.872+/-0.448 χ^2/NDF:5631838.1/52

All: 3479.773+/-0.323 χ^2/NDF: 10046550.8/9

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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: -1.038+/-0.639 χ^2/NDF: 24.6/22

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

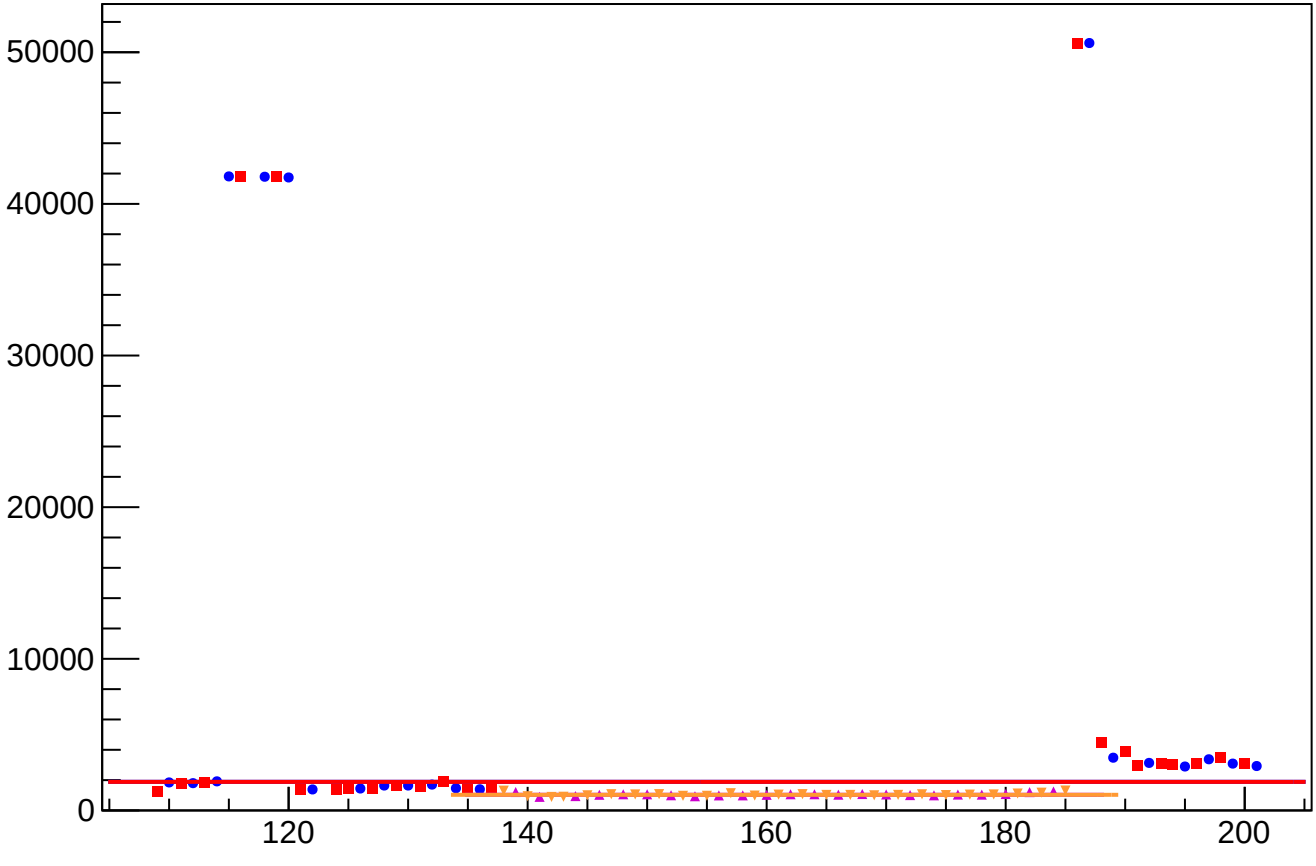
Right: -0.939+/-0.456 χ^2/NDF: 45.3/42

In: -0.395+/-0.227 χ^2/NDF:50.6/42

Out: -0.301+/-0.221 χ^2/NDF:60.0/47

All: -0.347+/-0.158 χ^2/NDF: 110.7/90

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: 1885.189+/-0.452 χ^2/NDF: 5068015.3/22

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

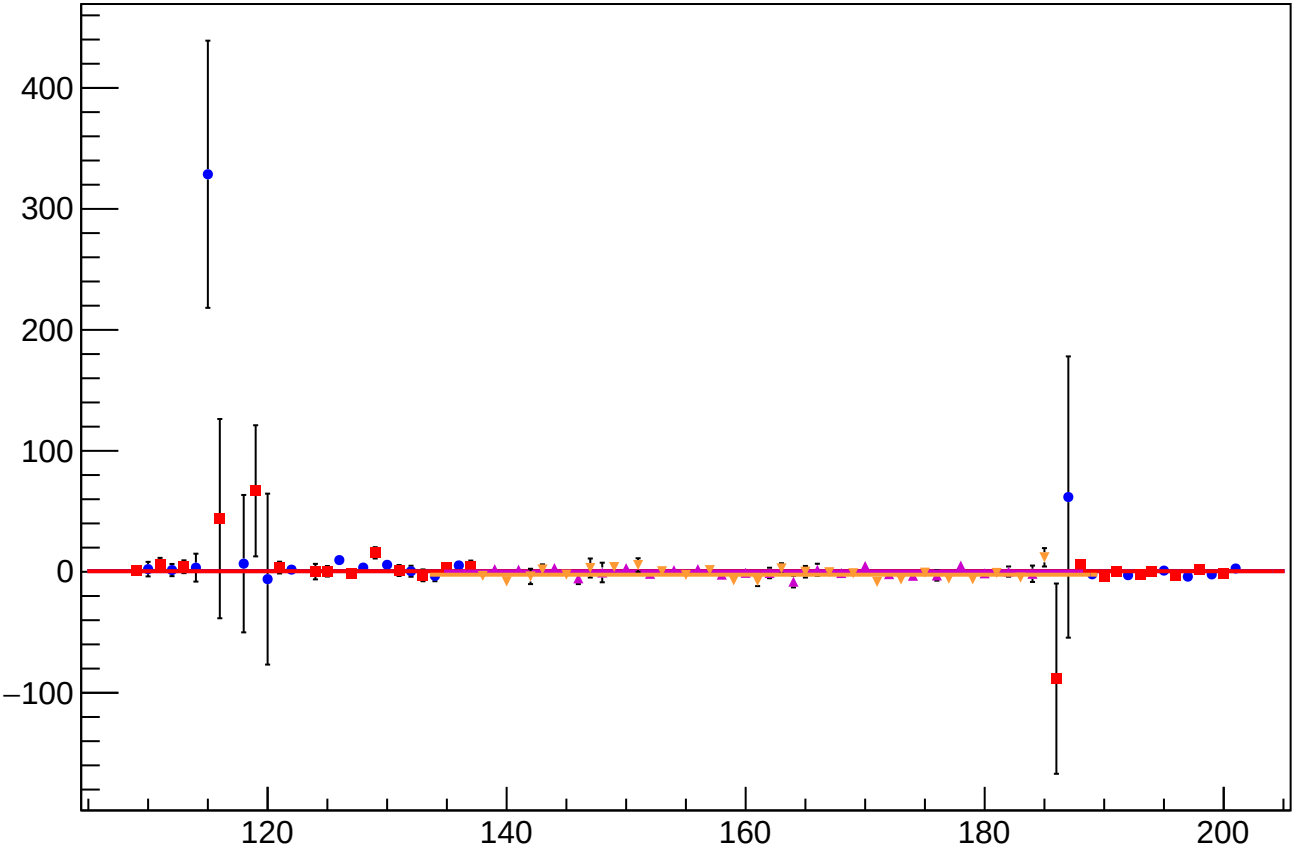
Right: 1887.211+/-0.322 χ^2/NDF: 9320967.6/42

In: 1136.850+/-0.160 χ^2/NDF:7482330.9/42

Out: 1133.670+/-0.156 χ^2/NDF:8458377.7/47

All: 1135.217+/-0.112 χ^2/NDF: 15940910.2/9

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: 0.497+/-0.730 χ^2/NDF: 27.5/22

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

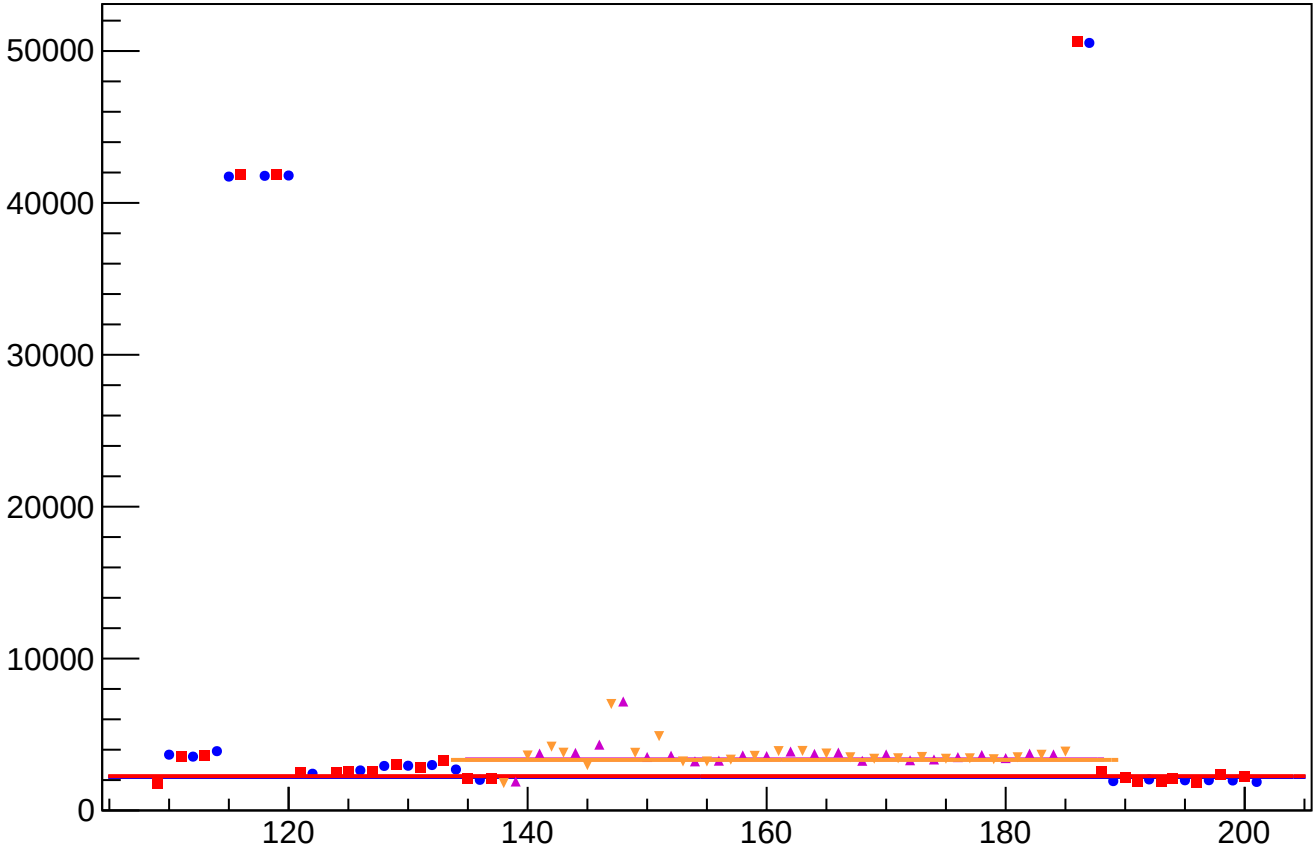
Right: 0.550+/-0.518 χ^2/NDF: 59.8/42

In: 0.408+/-0.544 χ^2/NDF:45.1/42

Out: -0.844+/-0.534 χ^2/NDF:59.0/47

All: -0.229+/-0.381 χ^2/NDF: 106.8/90

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: 2259.094+/-0.516 χ^2/NDF: 2980788.9/22

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

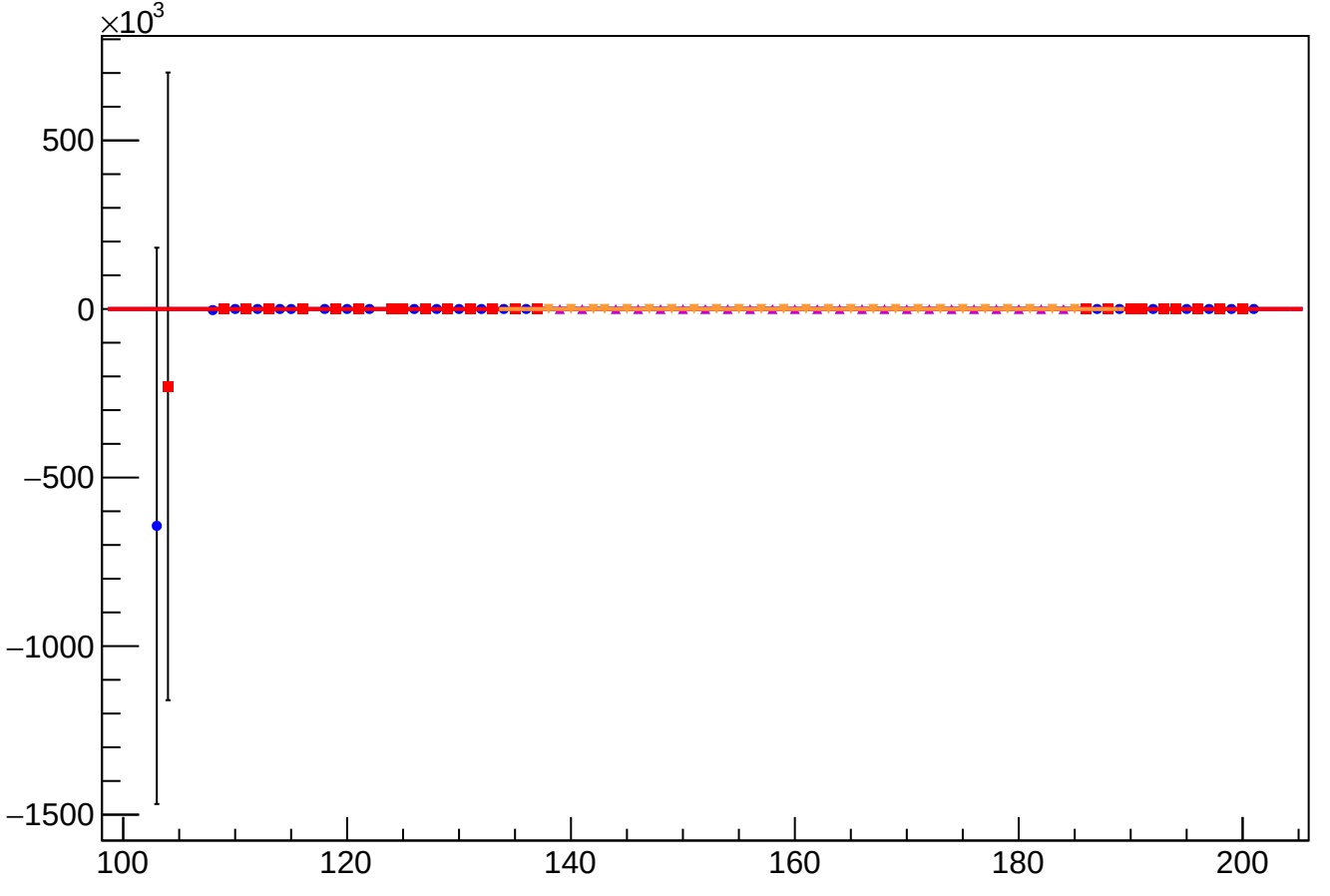
Right: 2231.644+/-0.366 χ^2/NDF: 5888909.7/42

In: 2726.043+/-0.385 χ^2/NDF:6792512.1/42

Out: 2757.157+/-0.377 χ^2/NDF:6892835.4/47

All: 2741.892+/-0.269 χ^2/NDF: 13688681.1/9

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: 1.940+/-0.720 χ^2/NDF: 23.1/23

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

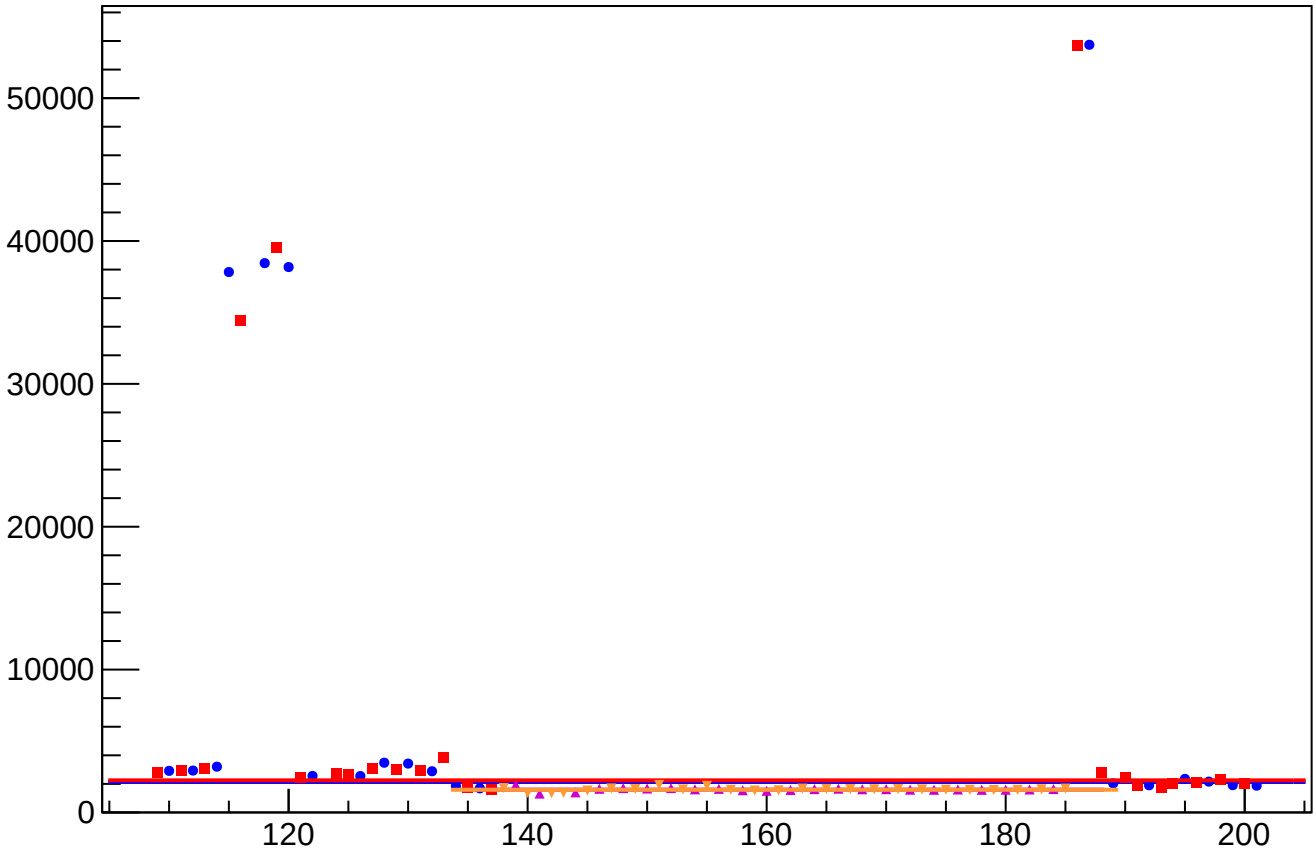
Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

Right: 0.303+/-0.506 χ^2/NDF: 56.2/45

In: -0.295+/-0.331 χ^2/NDF:52.7/44

Out: -0.861+/-0.324 χ^2/NDF:92.4/48

All: -0.584+/-0.232 χ^2/NDF: 146.6/93



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: 2247.662+/-0.509 χ^2/NDF: 3169102.5/22

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

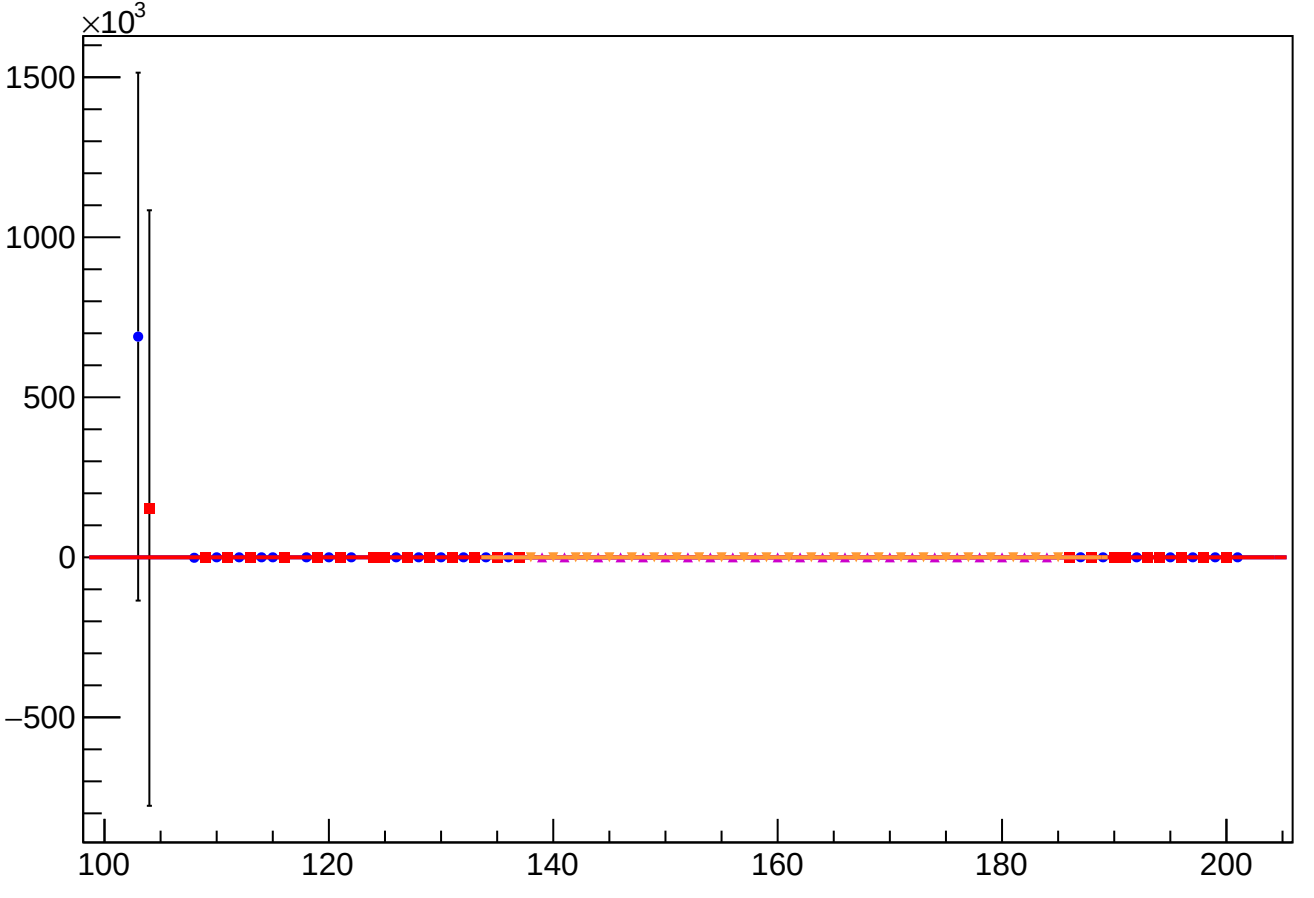
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2190.673+/-0.358 χ^2/NDF: 6159025.6/42

In: 1712.864+/-0.234 χ^2/NDF:4058678.9/42

Out: 1722.807+/-0.229 χ^2/NDF:4734160.8/47

All: 1717.947+/-0.164 χ^2/NDF: 8793760.0/90



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: 0.028+/-0.604 χ^2/NDF: 26.1/23

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

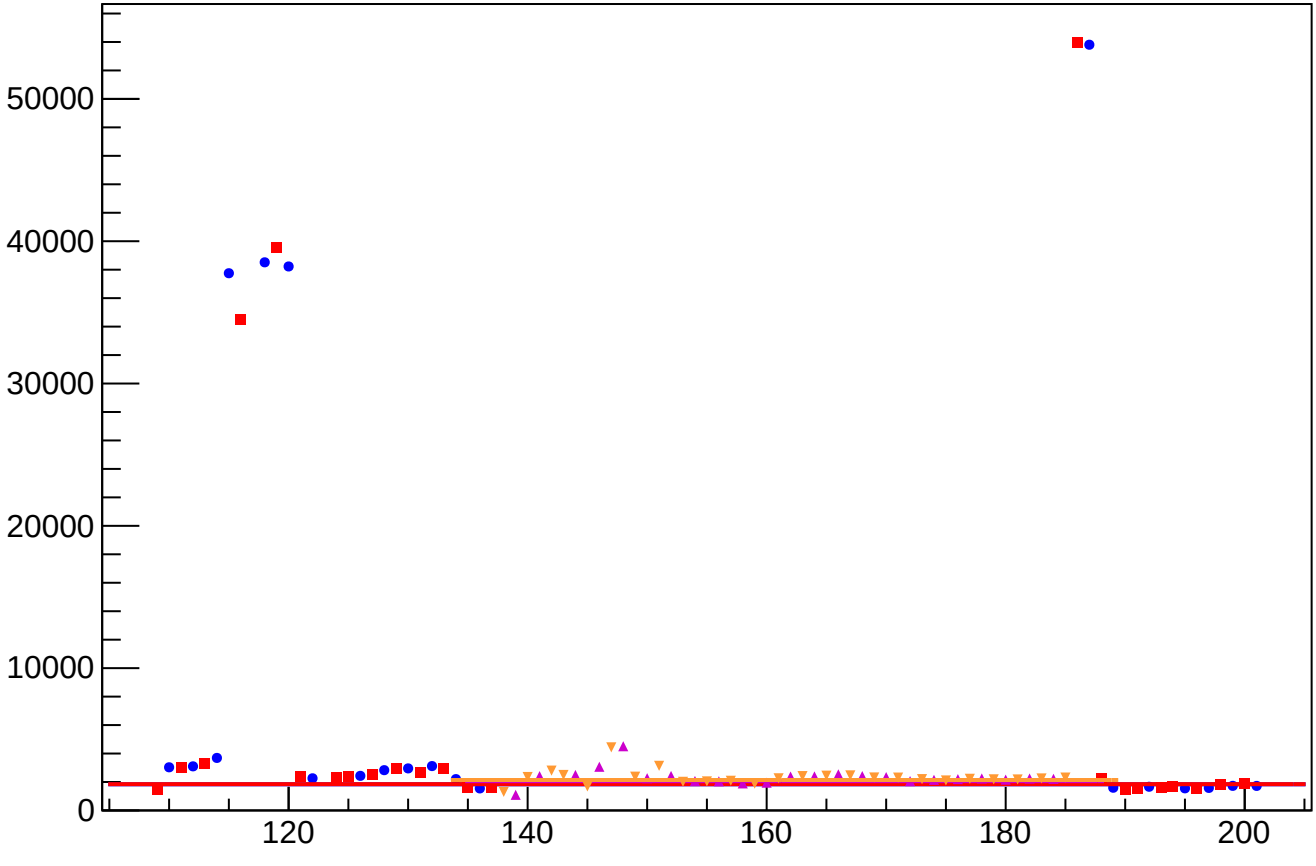
Right: 0.311+/-0.432 χ^2/NDF: 41.3/45

In: 0.166+/-0.389 χ^2/NDF:32.5/44

Out: -0.685+/-0.386 χ^2/NDF:52.9/48

All: -0.263+/-0.274 χ^2/NDF: 87.8/93

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: 1847.565+/-0.427 χ^2/NDF: 3409721.6/22

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

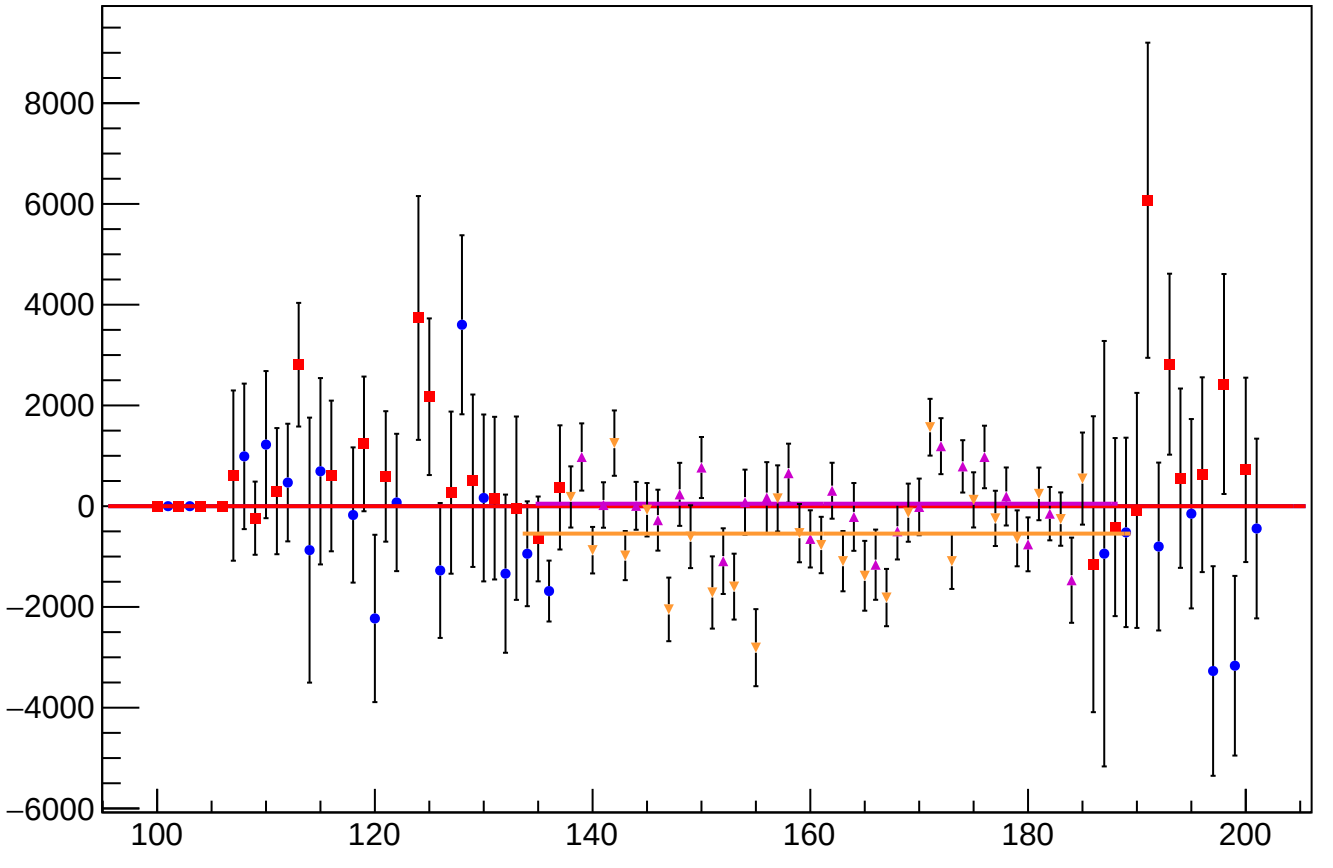
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1842.076+/-0.305 χ^2/NDF: 6697471.1/42

In: 1970.228+/-0.275 χ^2/NDF:5736431.7/42

Out: 2019.868+/-0.273 χ^2/NDF:5165561.4/47

All: 1995.253+/-0.194 χ^2/NDF: 10918379.2/9



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: 23.5/27

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

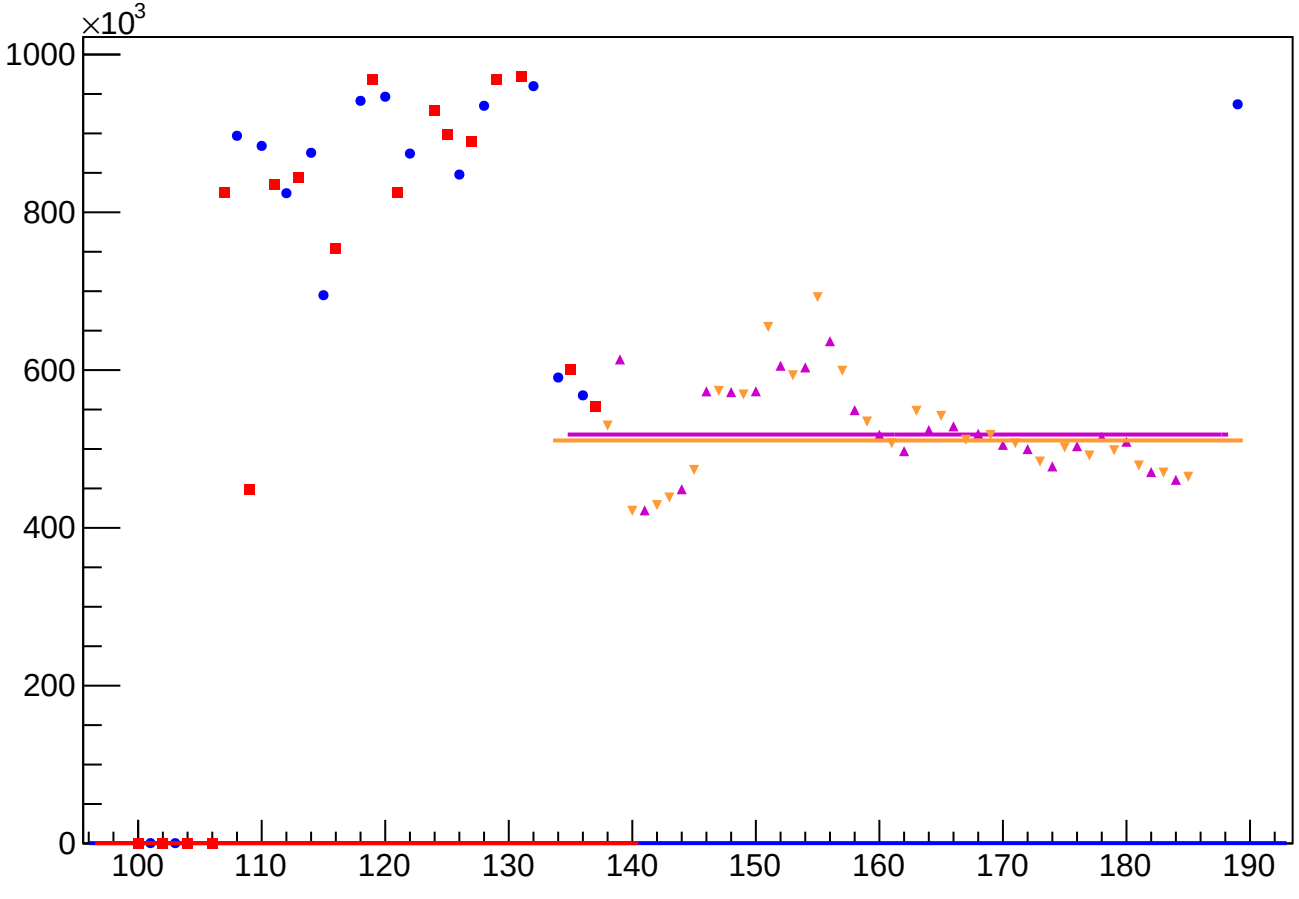
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 47.8/50

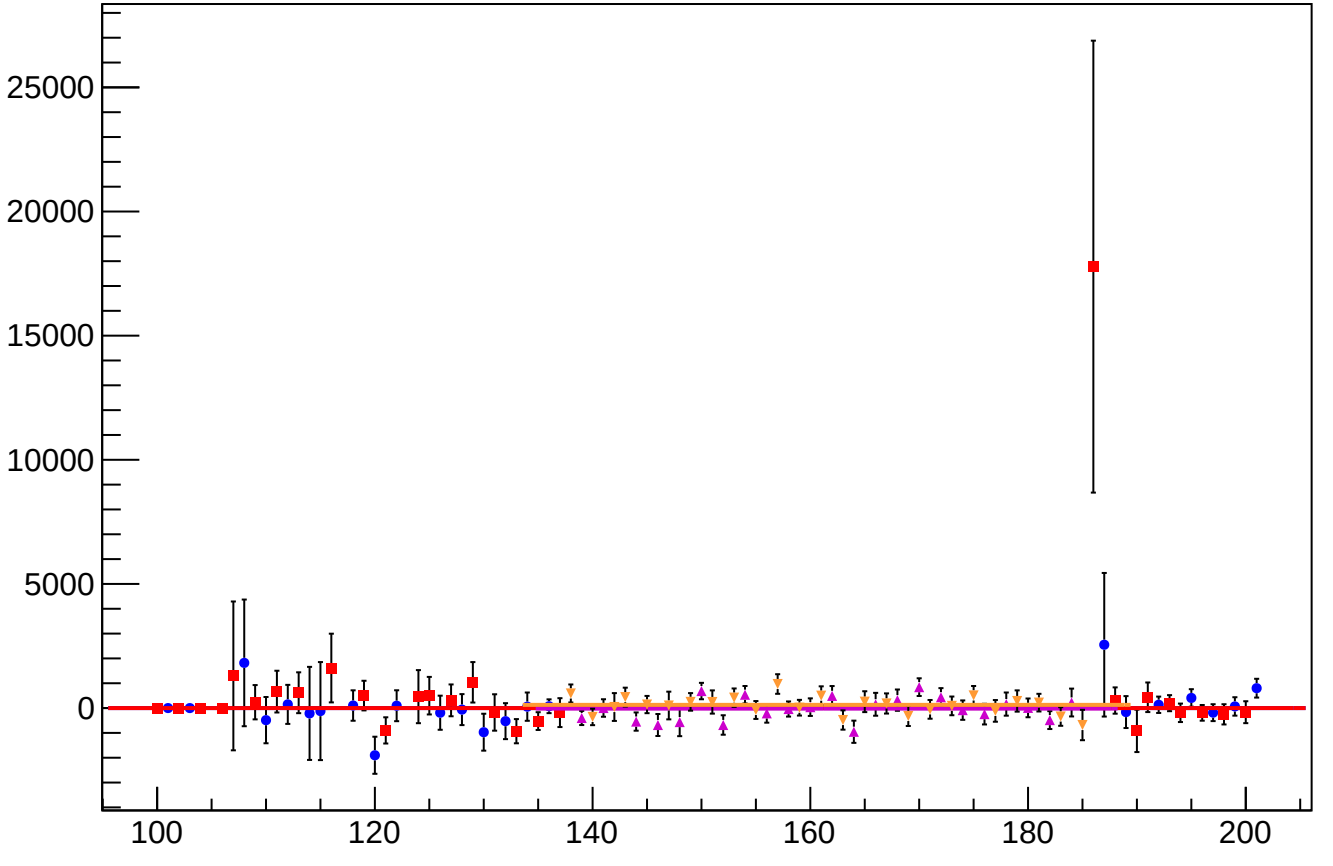
In: 0.255+/-0.356 χ^2/NDF:51.9/45

Out: -0.100+/-0.328 χ^2/NDF:105.9/52

All: 0.063+/-0.241 χ^2/NDF: 158.4/98


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: 22.4/27

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

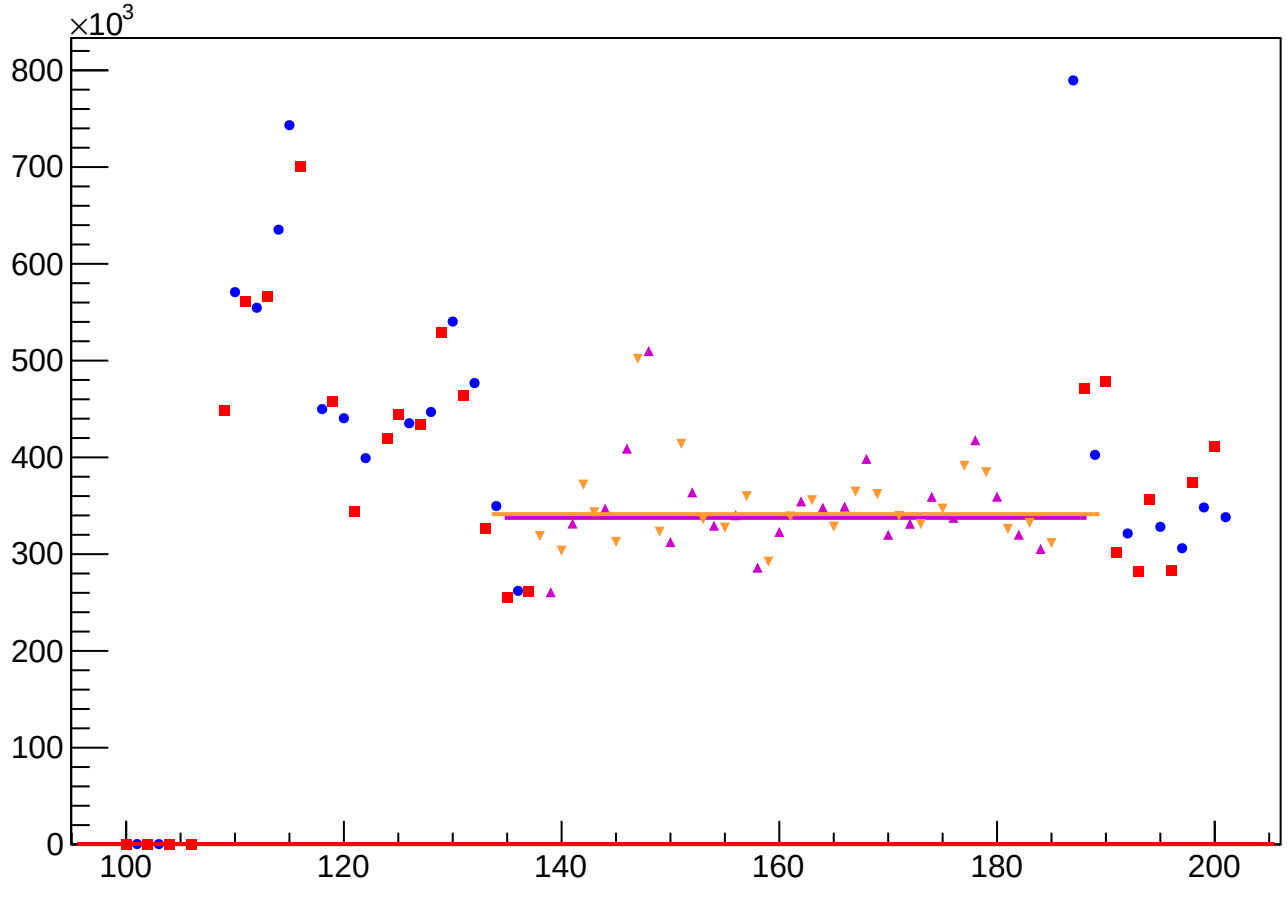
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 41.5/50

In: -0.020+/-0.347 χ^2/NDF:51.4/45

Out: -0.597+/-0.324 χ^2/NDF:45.2/52

All: -0.328+/-0.237 χ^2/NDF: 98.0/98



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: 389.620+/-0.229 χ^2/NDF: 22116017.4/25

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

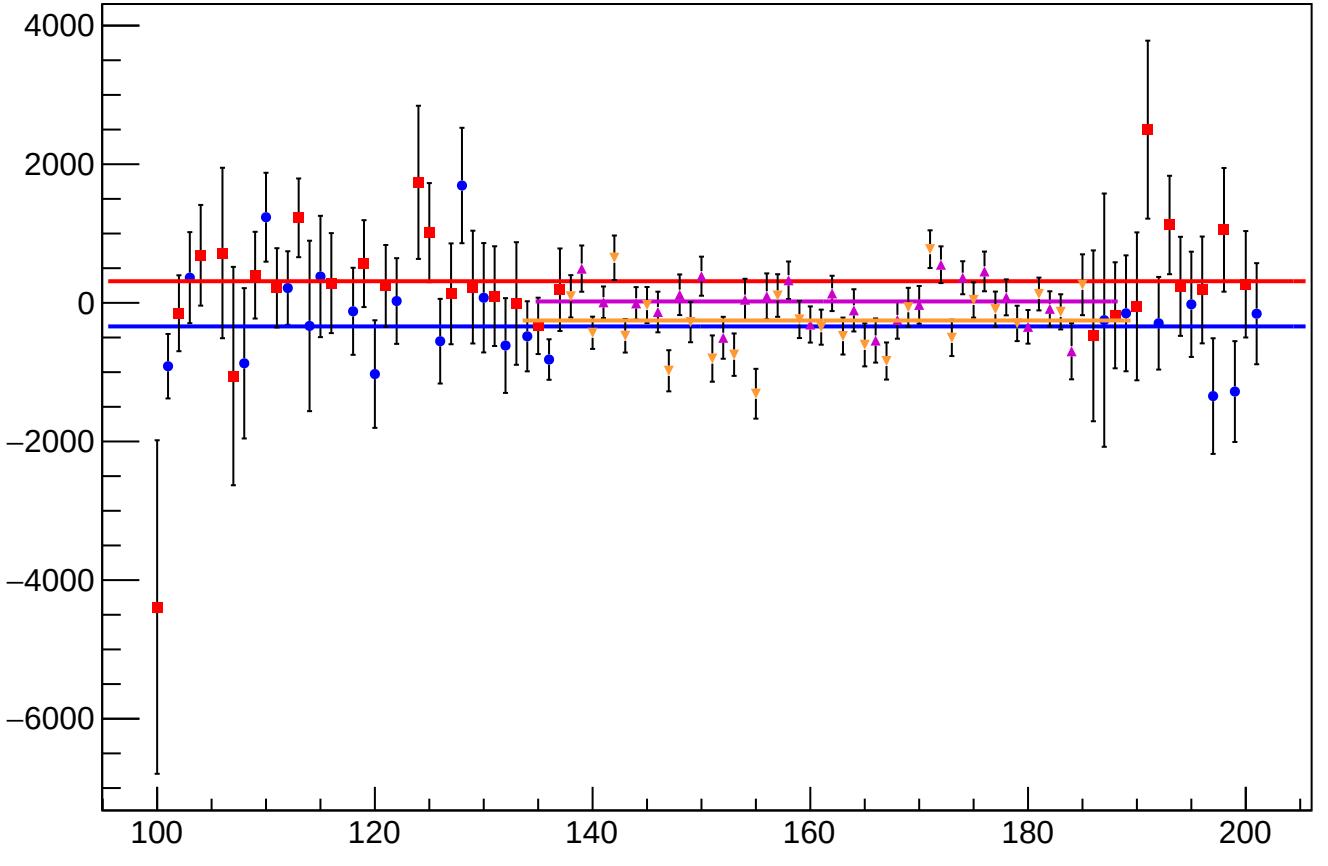
Right: 390.715+/-0.167 χ^2/NDF: 42638891.8/47

In: 398.356+/-0.245 χ^2/NDF:56841086.1/44

Out: 395.458+/-0.229 χ^2/NDF:60487171.0/50

All: 396.806+/-0.167 χ^2/NDF: 117328331.7/9

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: 312.027+/-137.079 χ^2/NDF: 19.8/27

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

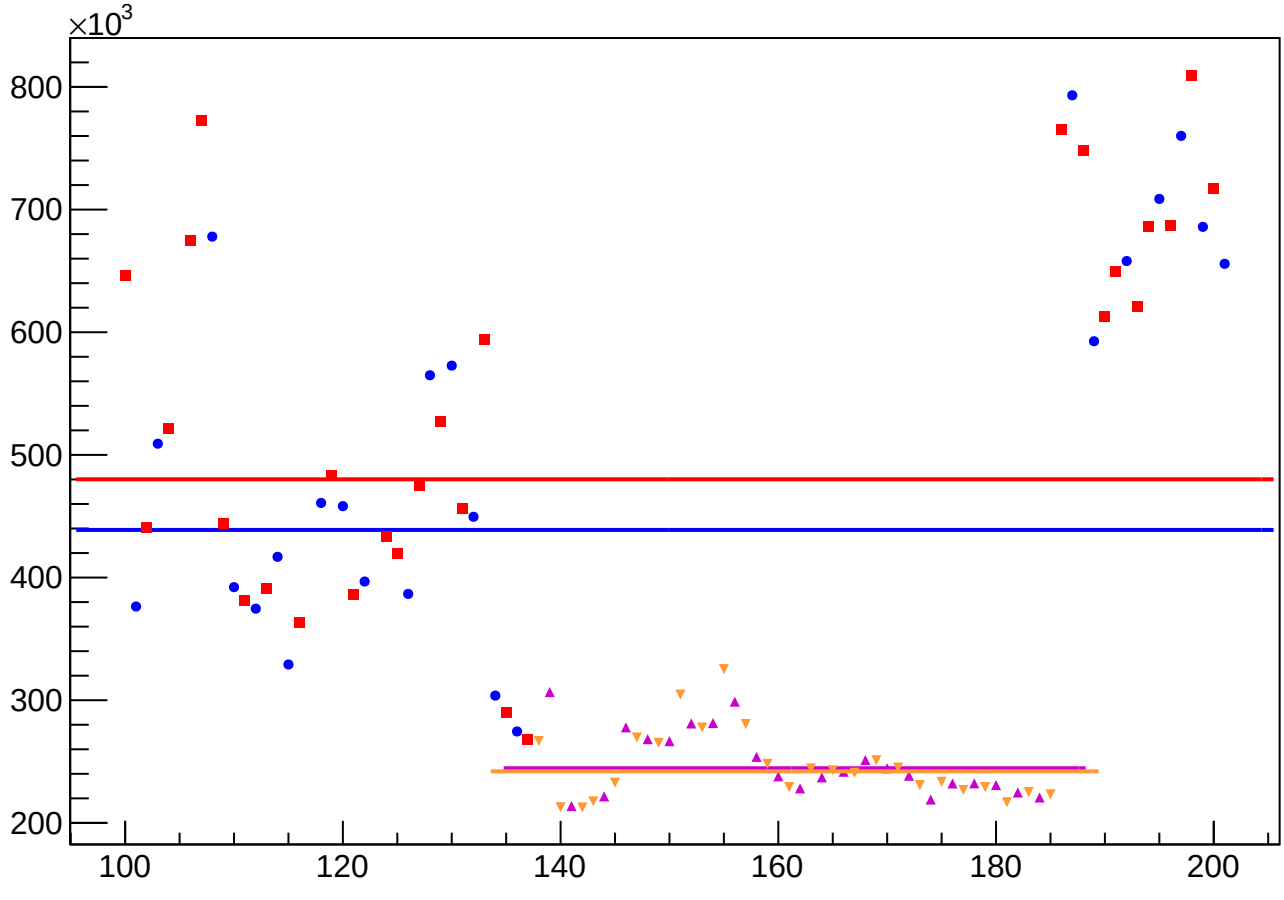
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -25.067+/-95.270 χ^2/NDF: 56.2/50

In: -36.880+/-52.735 χ^2/NDF:59.5/45

Out: -174.804+/-51.378 χ^2/NDF:95.8/52

All: -107.640+/-36.800 χ^2/NDF: 158.8/98



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: 480104.825+/-97.062 χ^2/NDF: 2364299.5/27

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

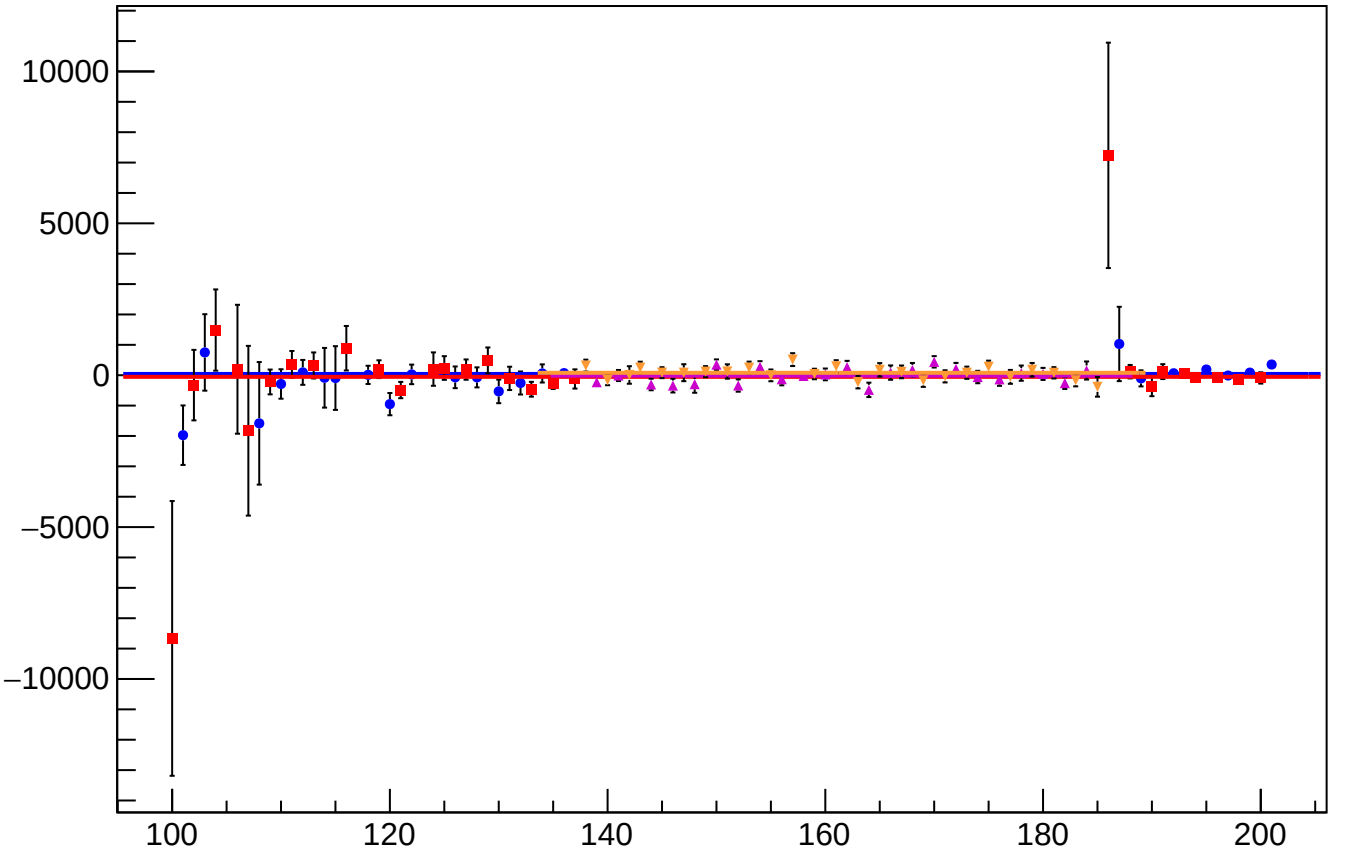
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 458754.008+/-67.419 χ^2/NDF: 4905347.0/50

In: 275308.987+/-37.291 χ^2/NDF:6427376.1/45

Out: 275377.504+/-36.337 χ^2/NDF:7951563.0/52

All: 275344.133+/-26.025 χ^2/NDF: 1437894



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: -53.054+/-49.576 χ^2/NDF: 25.9/27

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

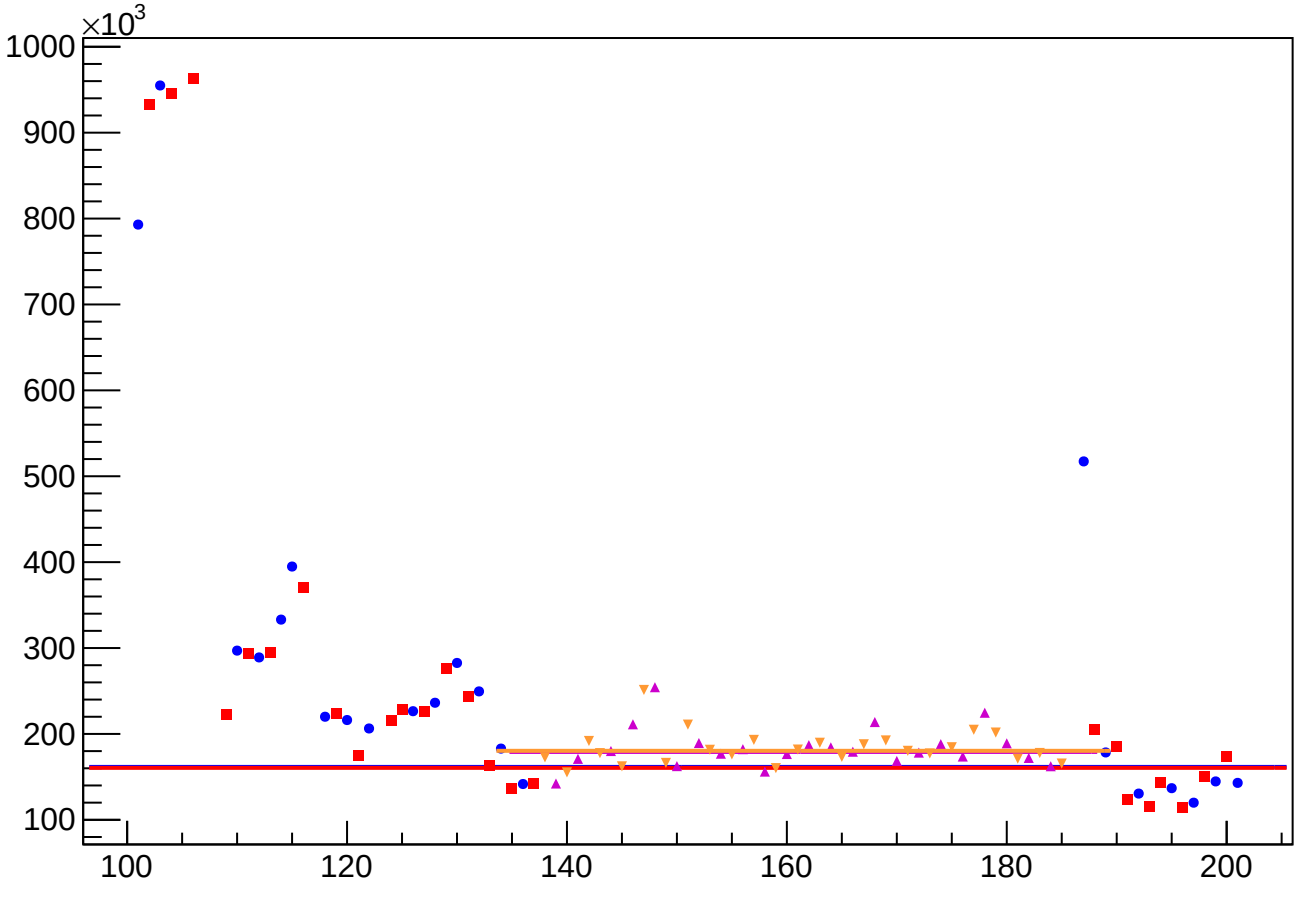
Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

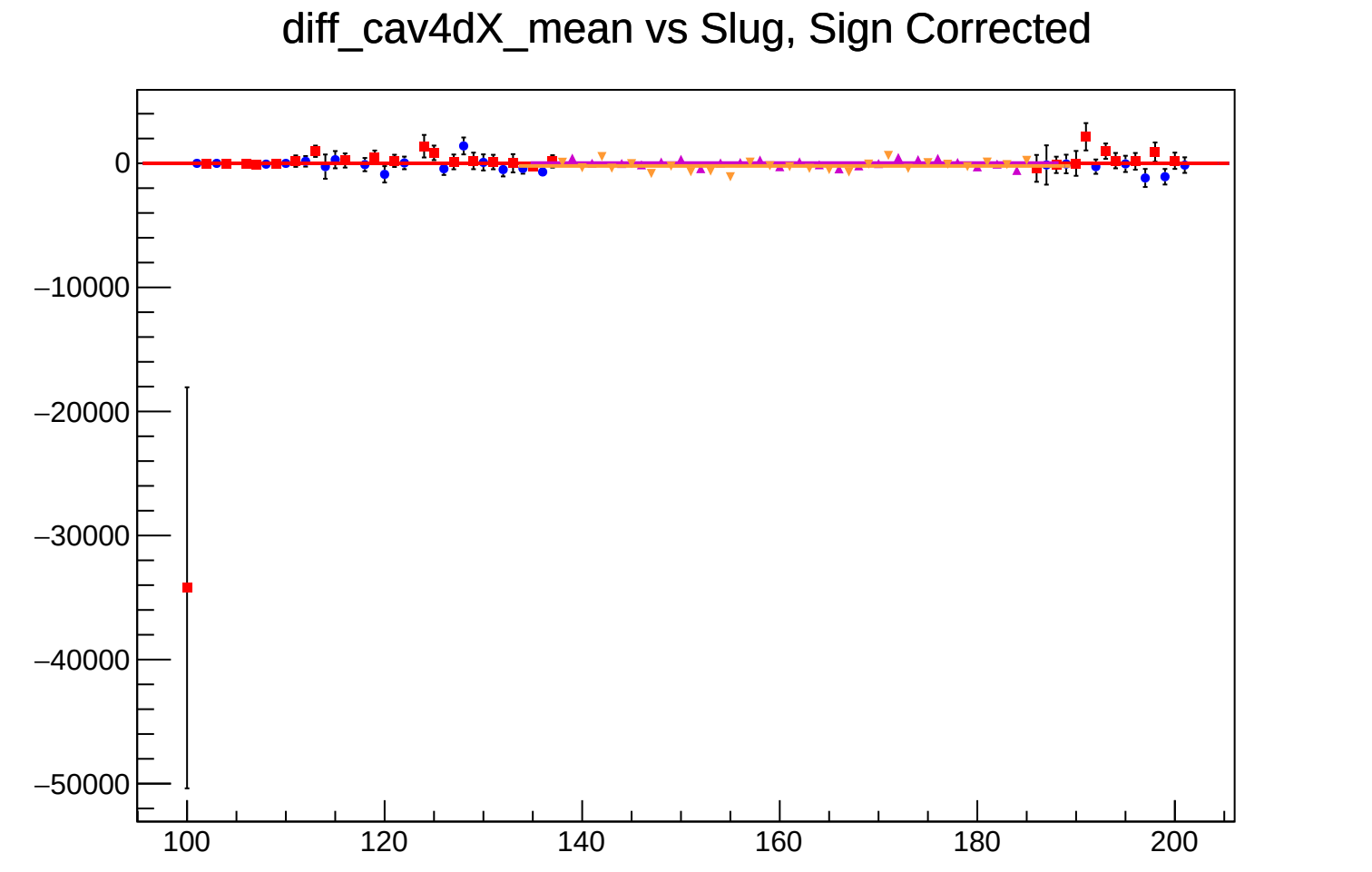
Right: -7.079+/-35.584 χ^2/NDF: 49.8/50

In: 8.615+/-32.555 χ^2/NDF:56.0/45

Out: 25.191+/-31.732 χ^2/NDF:49.9/52

All: 17.115+/-22.723 χ^2/NDF: 106.0/98


diff_cav4cY_rms vs Slug, Sign Corrected
×10^3
1000
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
Right In: 161598.671+/-36.159 χ²/NDF: 3145204.1/21
Left Out: 180342.867+/-29.204 χ²/NDF:346596.9/24
Right Out: 160516.303+/-35.086 χ²/NDF: 3233276.0/24
Left In: 179024.195+/-29.863 χ²/NDF:501400.7/22
Left: 179698.251+/-20.880 χ²/NDF: 848994.3/47
Right: 161041.200+/-25.180 χ²/NDF: 6378941.6/46
In: 171957.991+/-23.026 χ²/NDF:3784672.9/44
Out: 172228.602+/-22.446 χ²/NDF:3768503.7/49
All: 172096.745+/-16.073 χ²/NDF: 7553247.



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: 24.6/27

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

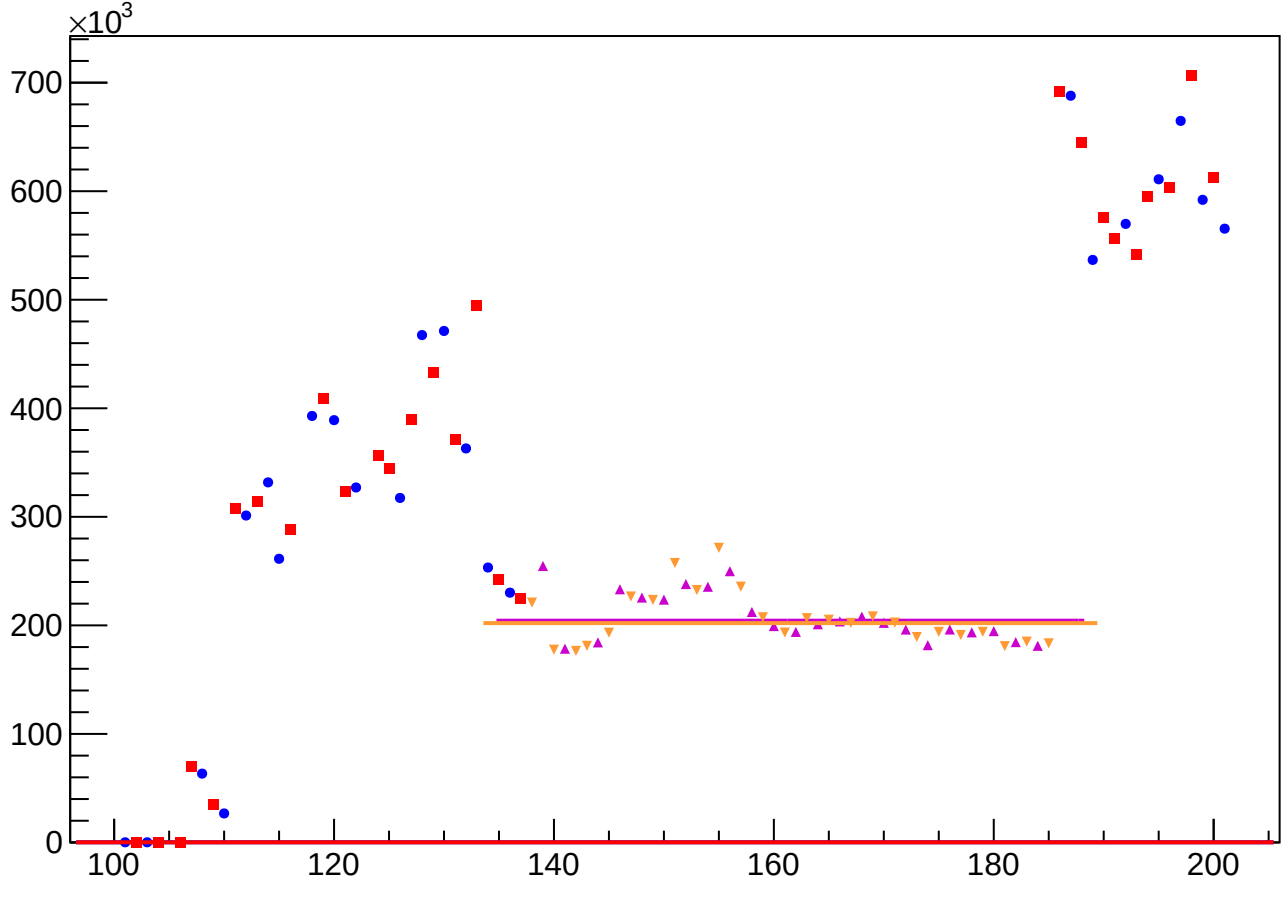
Right: 0.174+/-0.117 χ^2/NDF: 51.4/50

In: -0.035+/-0.172 χ^2/NDF:52.7/45

Out: 0.353+/-0.160 χ^2/NDF:106.5/52

All: 0.173+/-0.117 χ^2/NDF: 162.0/98

diff_cav4dX_rms vs Slug, Sign Corrected



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: 149.635+/-0.113 χ^2/NDF: 23594576.8/26

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

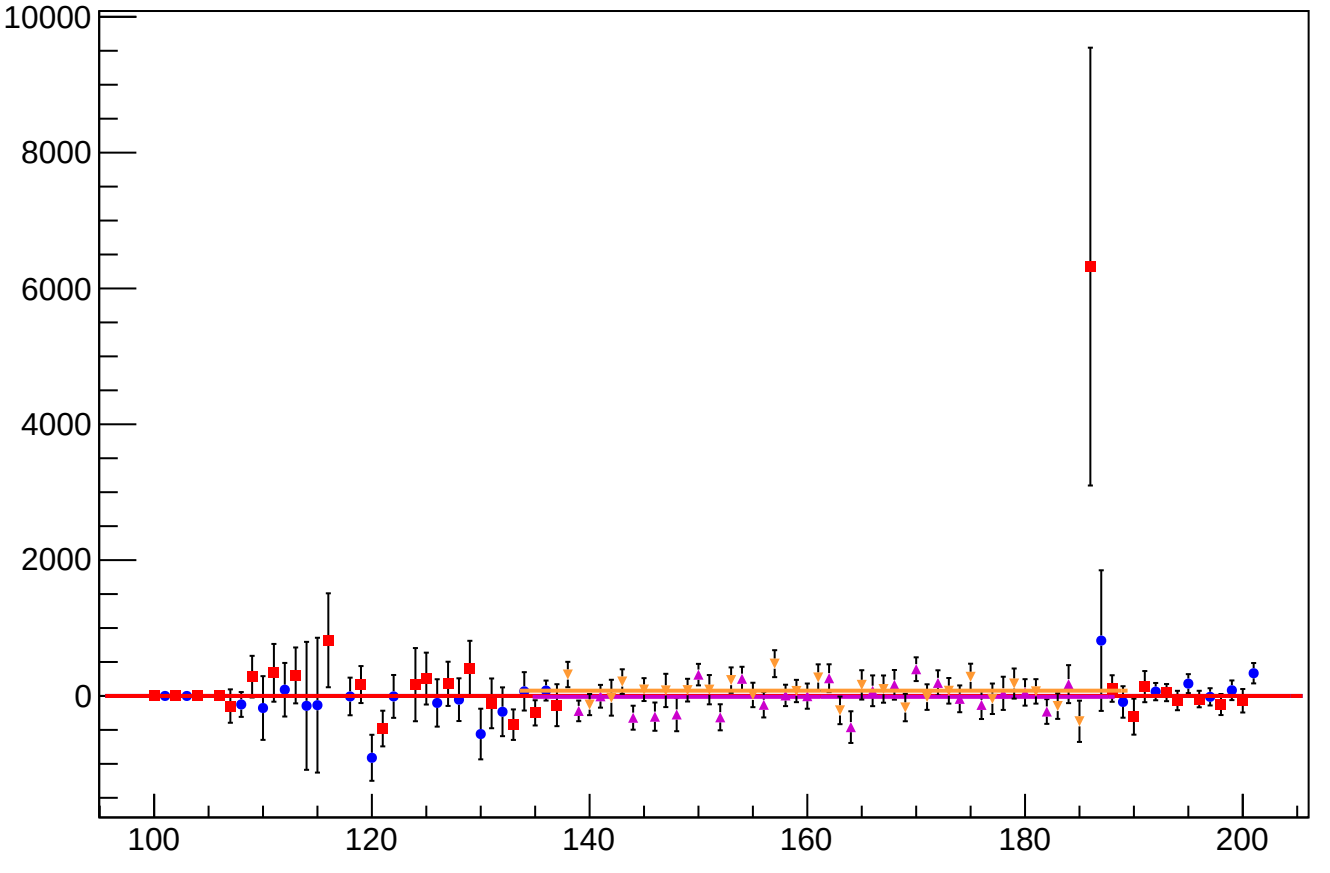
Right: 149.501+/-0.083 χ^2/NDF: 45035102.6/49

In: 151.971+/-0.122 χ^2/NDF:57943253.0/45

Out: 152.052+/-0.113 χ^2/NDF:62090317.2/51

All: 152.014+/-0.083 χ^2/NDF: 120033570.4/9

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: -0.126+/-0.166 χ^2/NDF: 22.4/27

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

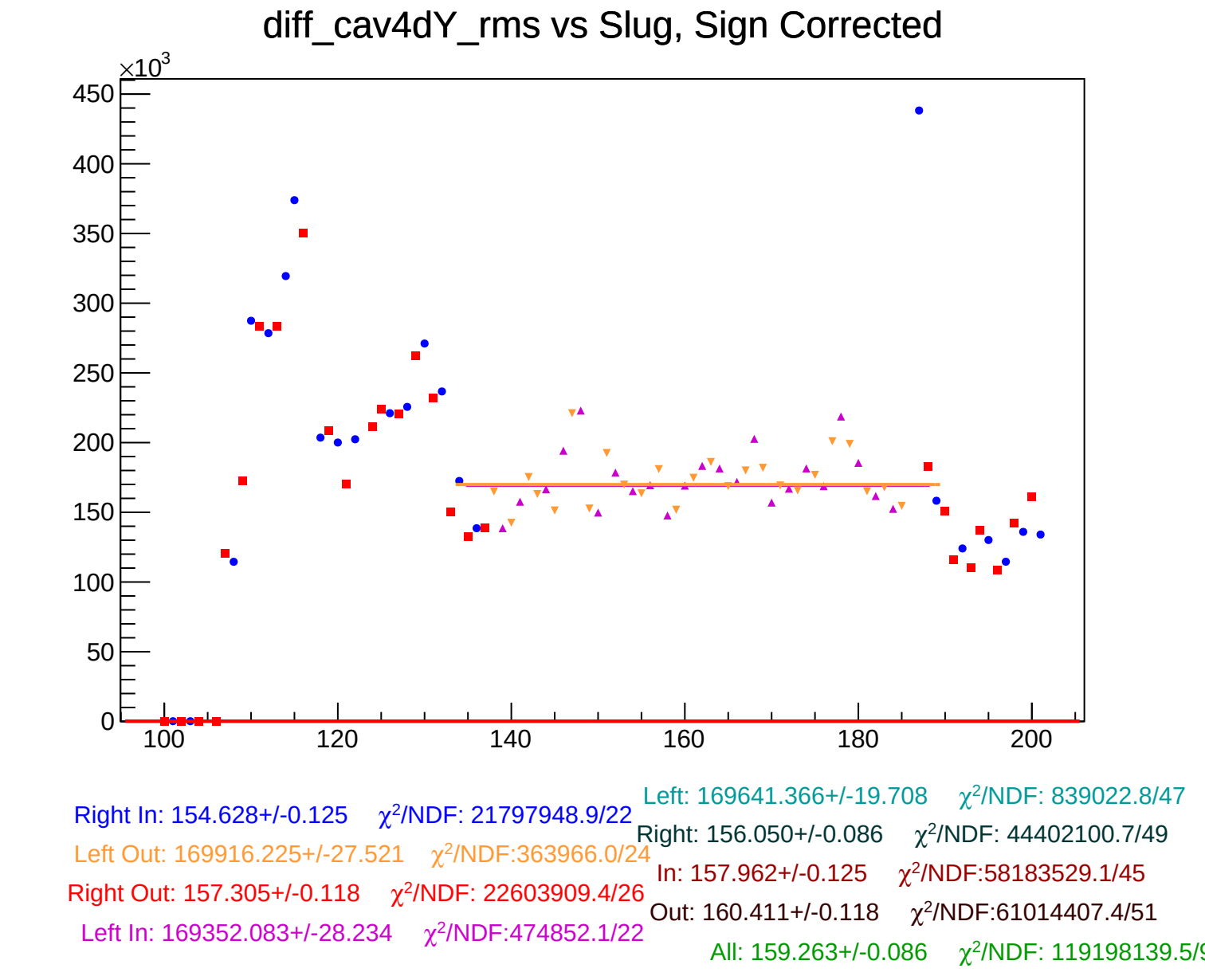
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 41.7/50

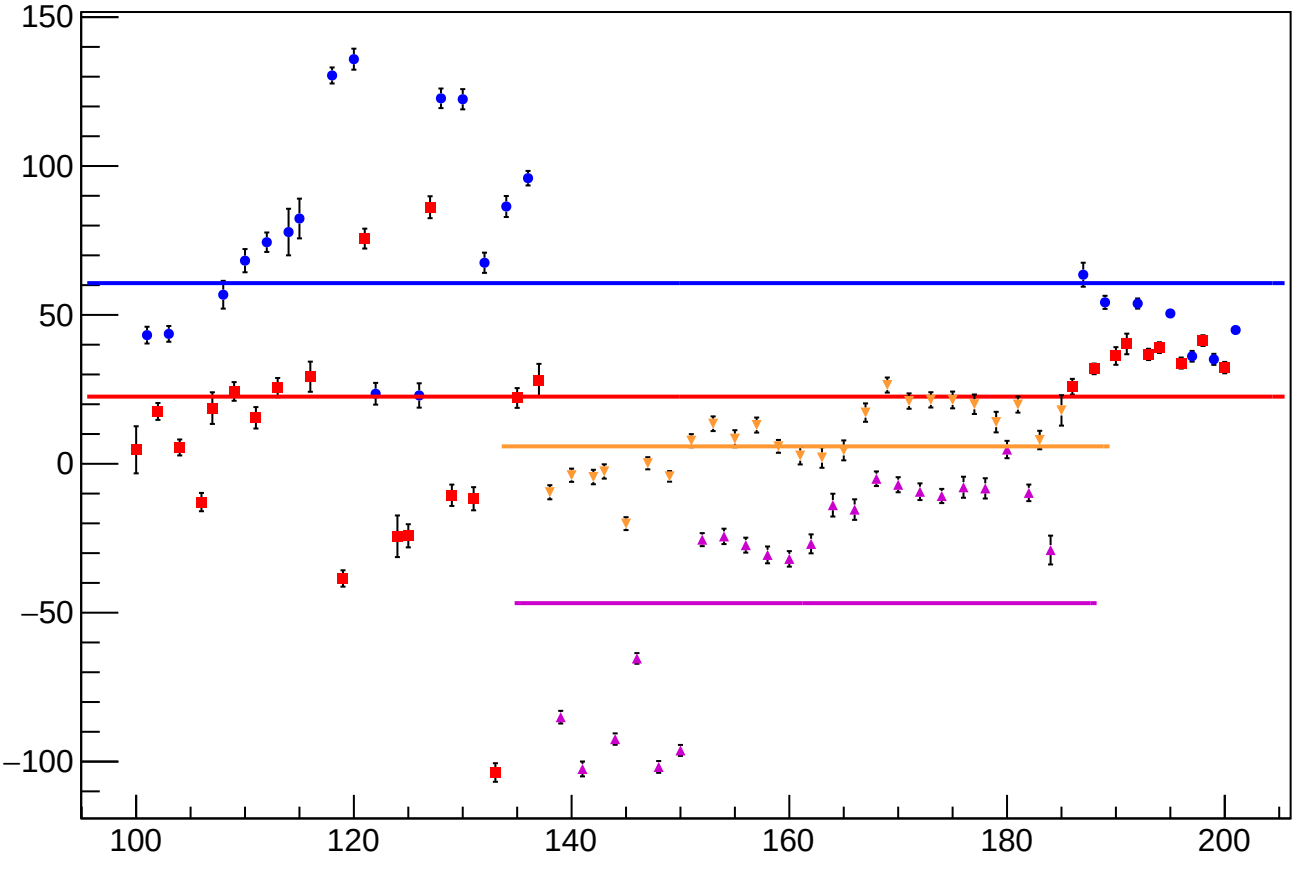
In: -0.067+/-0.177 χ^2/NDF:52.0/45

Out: -0.125+/-0.166 χ^2/NDF:45.5/52

All: -0.098+/-0.121 χ^2/NDF: 97.6/98


diff_cav4dY_rms vs Slug, Sign Corrected
×10^3
450
400
350
300
250
200
150
100
50
0
100
120
140
160
180
200
Right In: 154.628+/-0.125 χ²/NDF: 21797948.9/22
Left Out: 169916.225+/-27.521 χ²/NDF:363966.0/24
Right Out: 157.305+/-0.118 χ²/NDF: 22603909.4/26
Left In: 169352.083+/-28.234 χ²/NDF:474852.1/22
Left: 169641.366+/-19.708 χ²/NDF: 839022.8/47
Right: 156.050+/-0.086 χ²/NDF: 44402100.7/49
In: 157.962+/-0.125 χ²/NDF:58183529.1/45
Out: 160.411+/-0.118 χ²/NDF:61014407.4/51
All: 159.263+/-0.086 χ²/NDF: 119198139.5/9

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: 22.557+/-0.526 χ^2/NDF: 3611.4/27

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

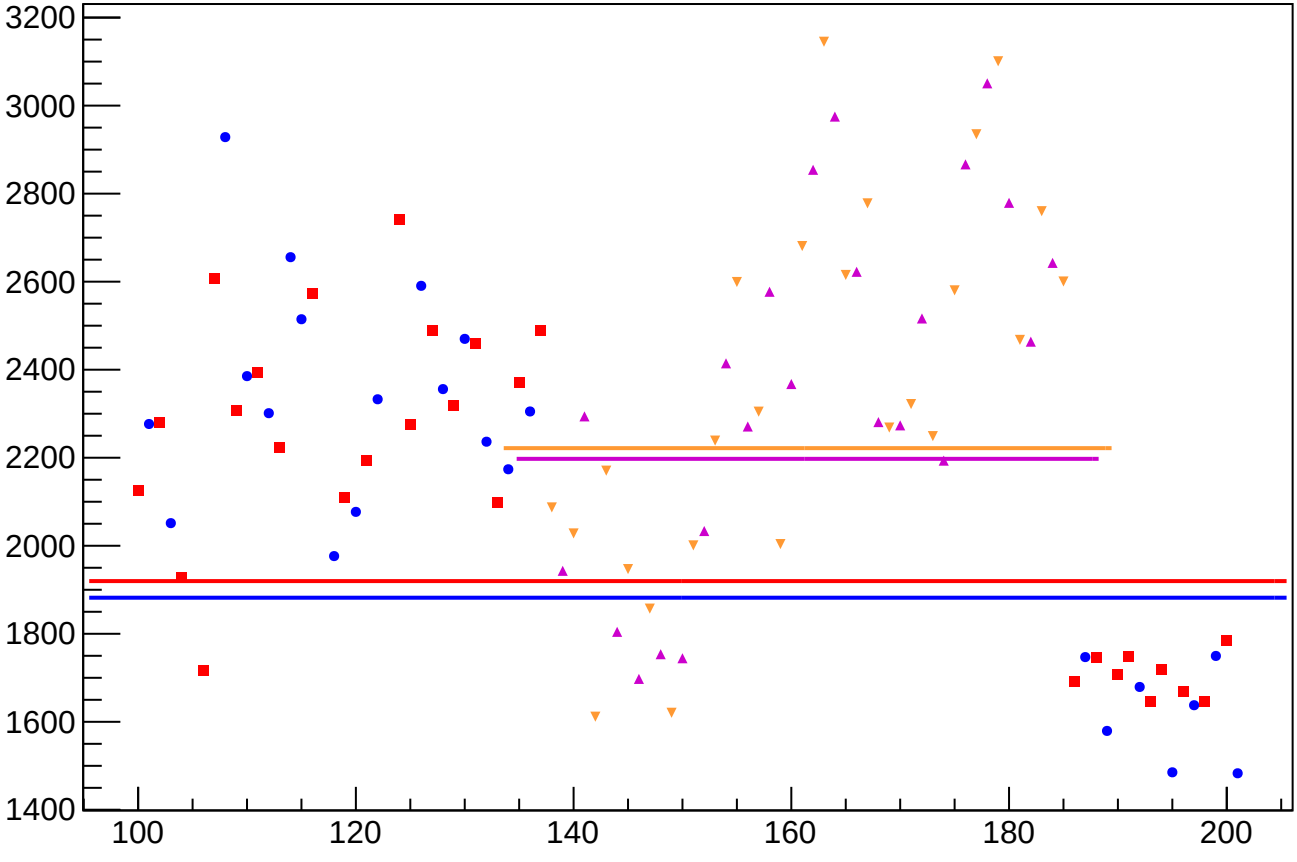
Right: 40.830+/-0.380 χ^2/NDF: 9035.4/50

In: 4.529+/-0.379 χ^2/NDF:28137.5/45

Out: 14.005+/-0.368 χ^2/NDF:4662.2/52

All: 9.411+/-0.264 χ^2/NDF: 33121.7/98

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: 1919.722+/-0.372 χ^2/NDF: 643576.1/27

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

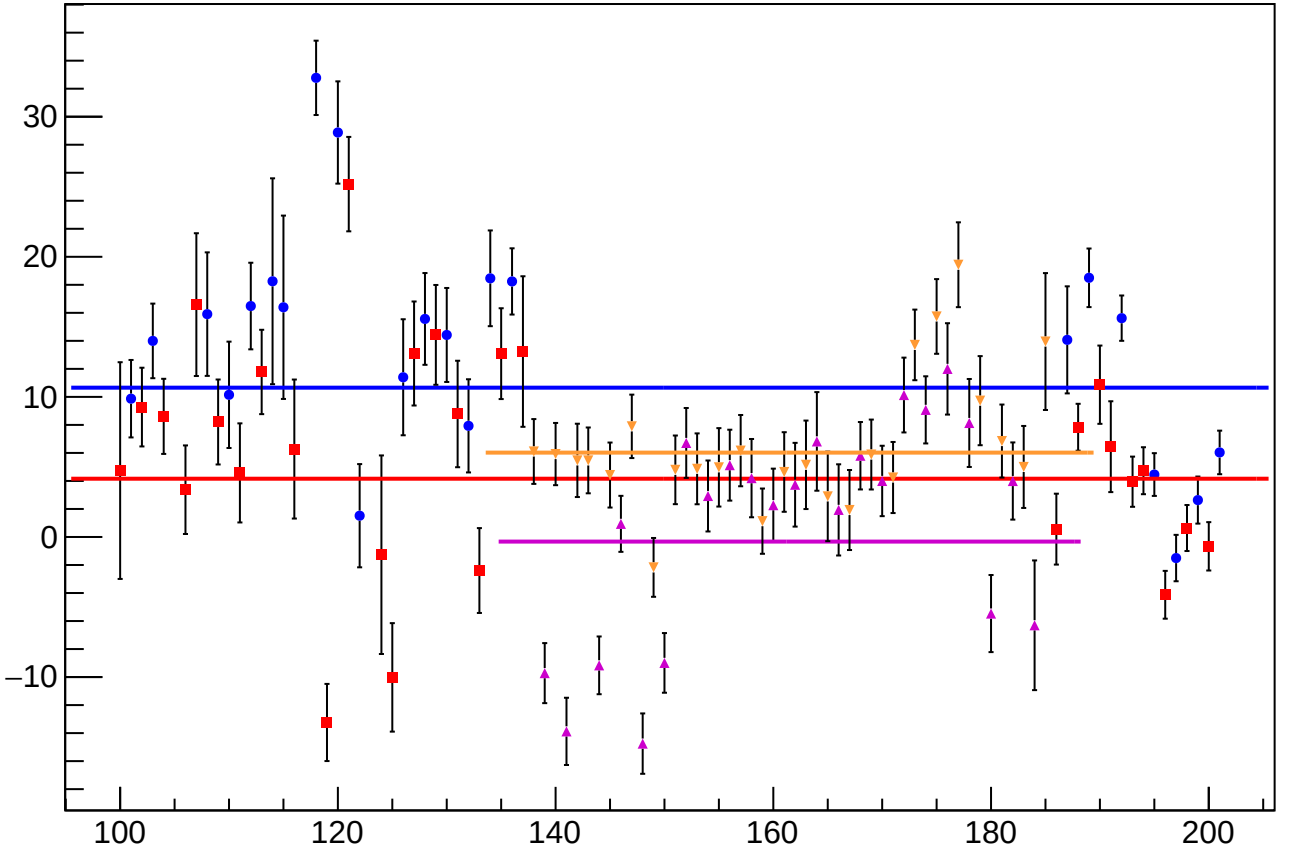
Right: 1901.629+/-0.269 χ^2/NDF: 1544152.9/50

In: 2046.799+/-0.268 χ^2/NDF:2345922.5/45

Out: 2074.352+/-0.260 χ^2/NDF:2164725.3/52

All: 2060.993+/-0.187 χ^2/NDF: 4516090.7/98

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.658+/-0.522 χ^2/NDF: 255.2/22

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 4.159+/-0.501 χ^2/NDF: 193.3/27

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

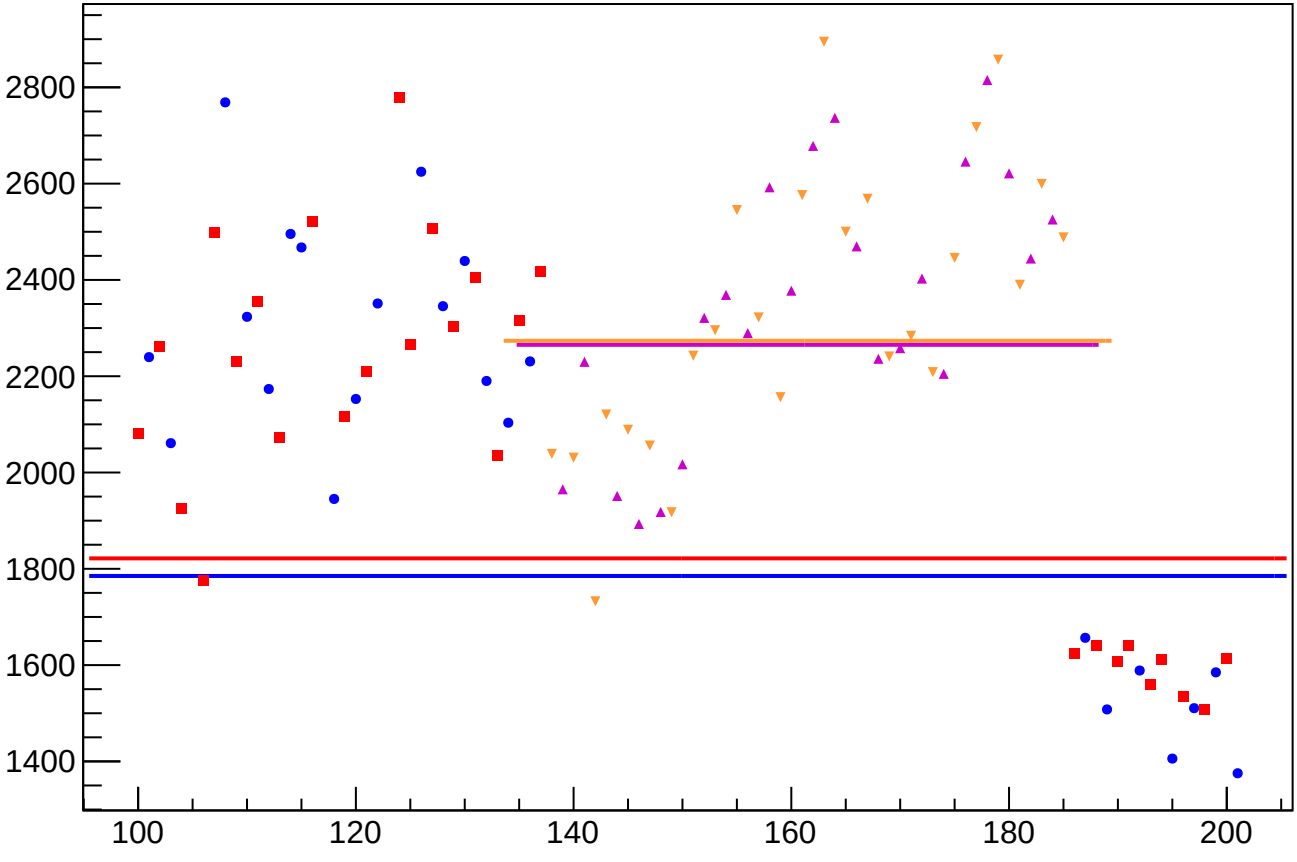
Right: 7.276+/-0.362 χ^2/NDF: 529.1/50

In: 5.294+/-0.374 χ^2/NDF:696.2/45

Out: 5.055+/-0.361 χ^2/NDF:271.7/52

All: 5.170+/-0.260 χ^2/NDF: 968.1/98

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: 1821.655+/-0.354 χ^2/NDF: 856452.4/27

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

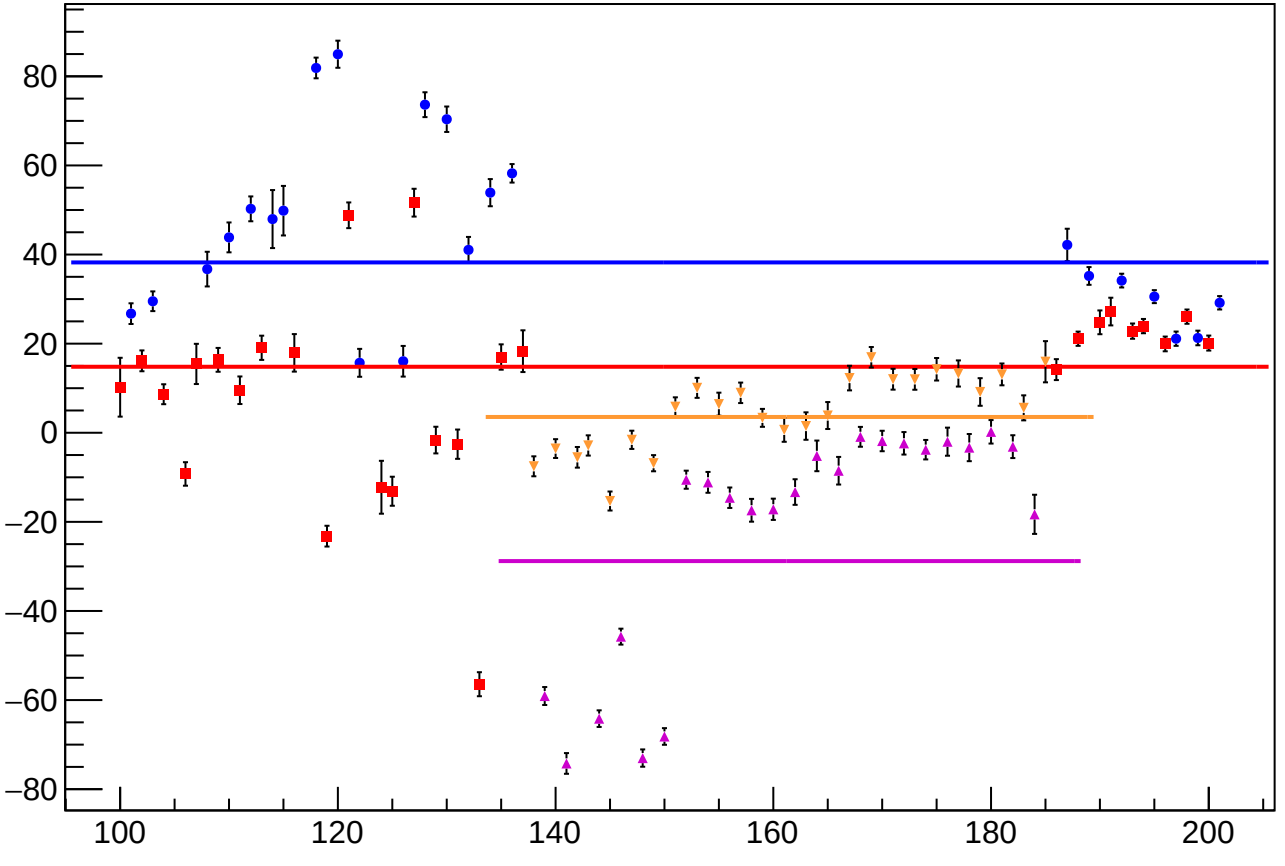
Right: 1804.152+/-0.256 χ^2/NDF: 1971332.9/50

In: 2019.567+/-0.264 χ^2/NDF:2431141.4/45

Out: 2038.959+/-0.255 χ^2/NDF:2175228.4/52

All: 2029.590+/-0.184 χ^2/NDF: 4609155.8/98

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: 14.813+/-0.460 χ^2/NDF: 1662.3/27

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

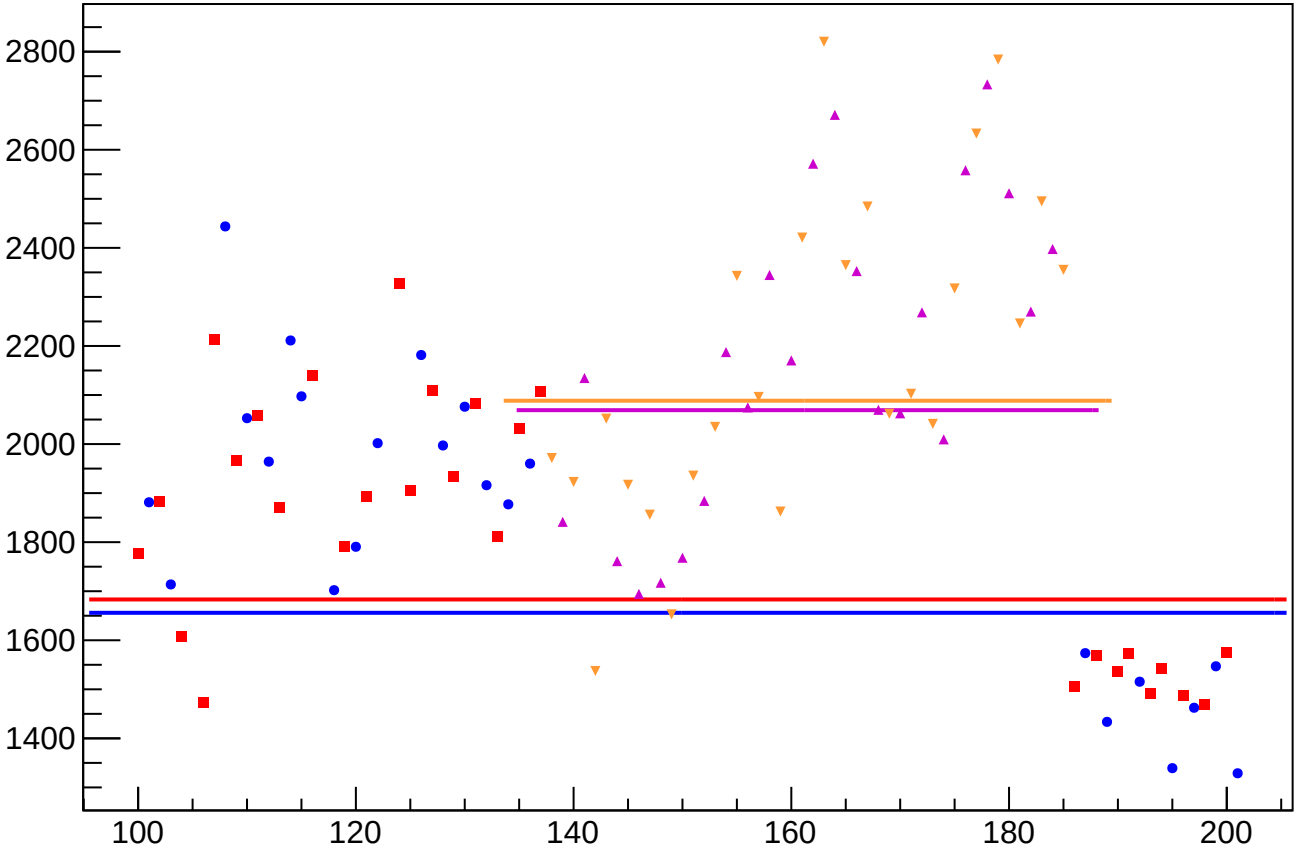
Right: 26.020+/-0.332 χ^2/NDF: 4357.4/50

In: 5.461+/-0.343 χ^2/NDF:14250.2/45

Out: 9.423+/-0.332 χ^2/NDF:2269.3/52

All: 7.507+/-0.239 χ^2/NDF: 16588.3/98

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: 1683.202+/-0.325 χ^2/NDF: 465255.4/27

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

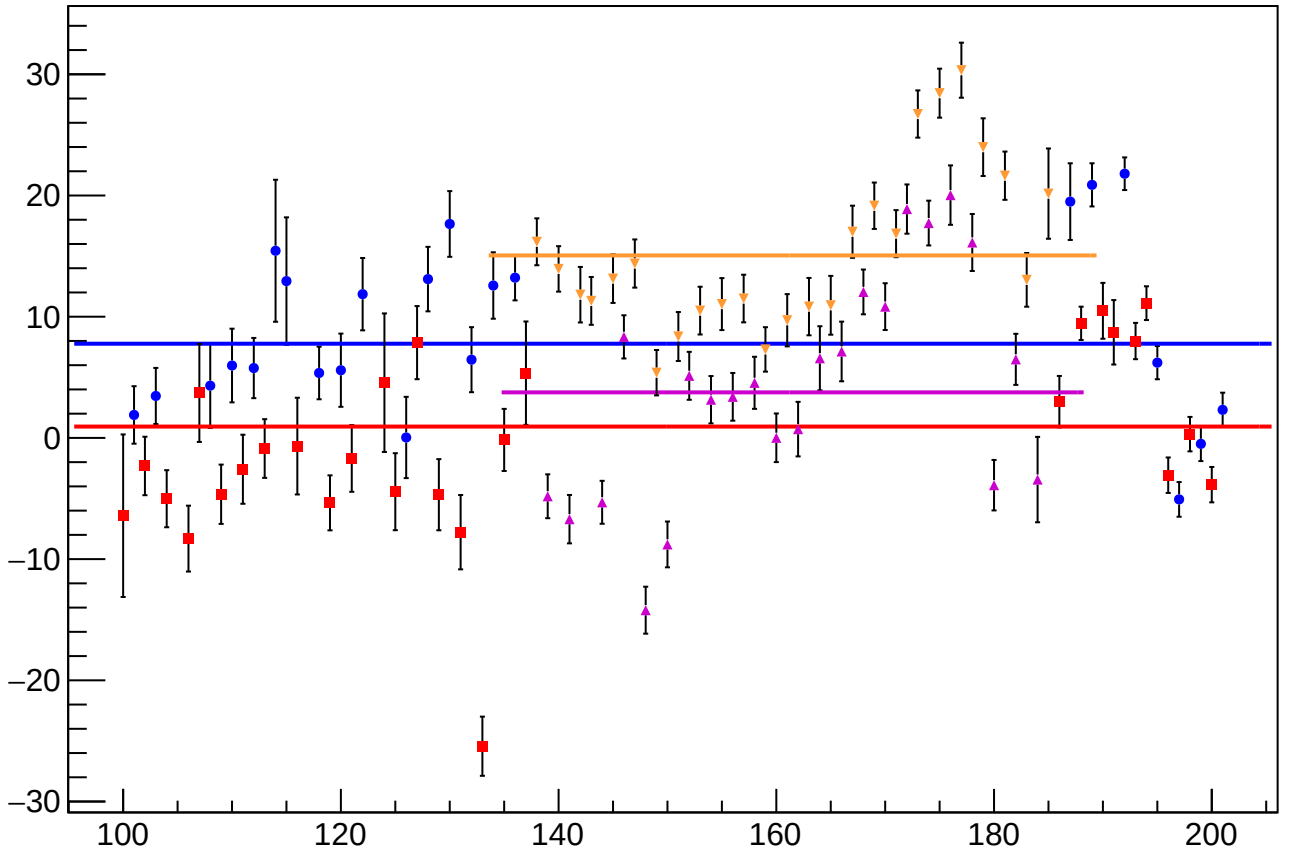
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1670.183+/-0.235 χ^2/NDF: 1138348.7/50

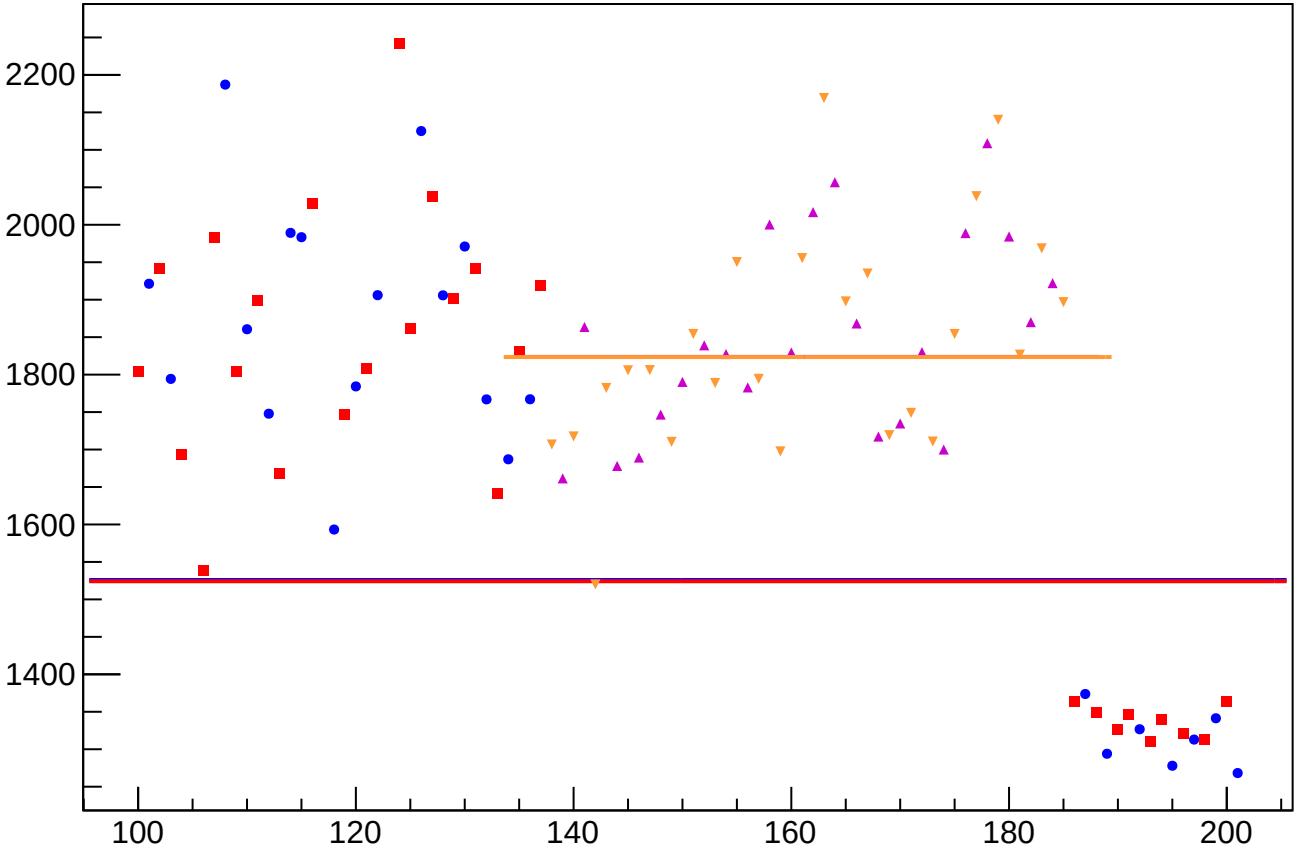
In: 1857.950+/-0.243 χ^2/NDF:2105376.2/45

Out: 1876.987+/-0.235 χ^2/NDF:1995196.0/52

All: 1867.779+/-0.169 χ^2/NDF: 4103749.8/98


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: 0.936+/-0.418 χ²/NDF: 334.9/27
Left In: 3.758+/-0.428 χ²/NDF:459.1/22
Left: 9.570+/-0.298 χ²/NDF: 1064.0/47
Right: 4.162+/-0.304 χ²/NDF: 820.4/50
In: 5.700+/-0.307 χ²/NDF:860.7/45
Out: 8.030+/-0.295 χ²/NDF:1155.3/52
All: 6.914+/-0.213 χ²/NDF: 2046.0/98

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: 1524.236+/-0.295 χ^2/NDF: 722400.9/27

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

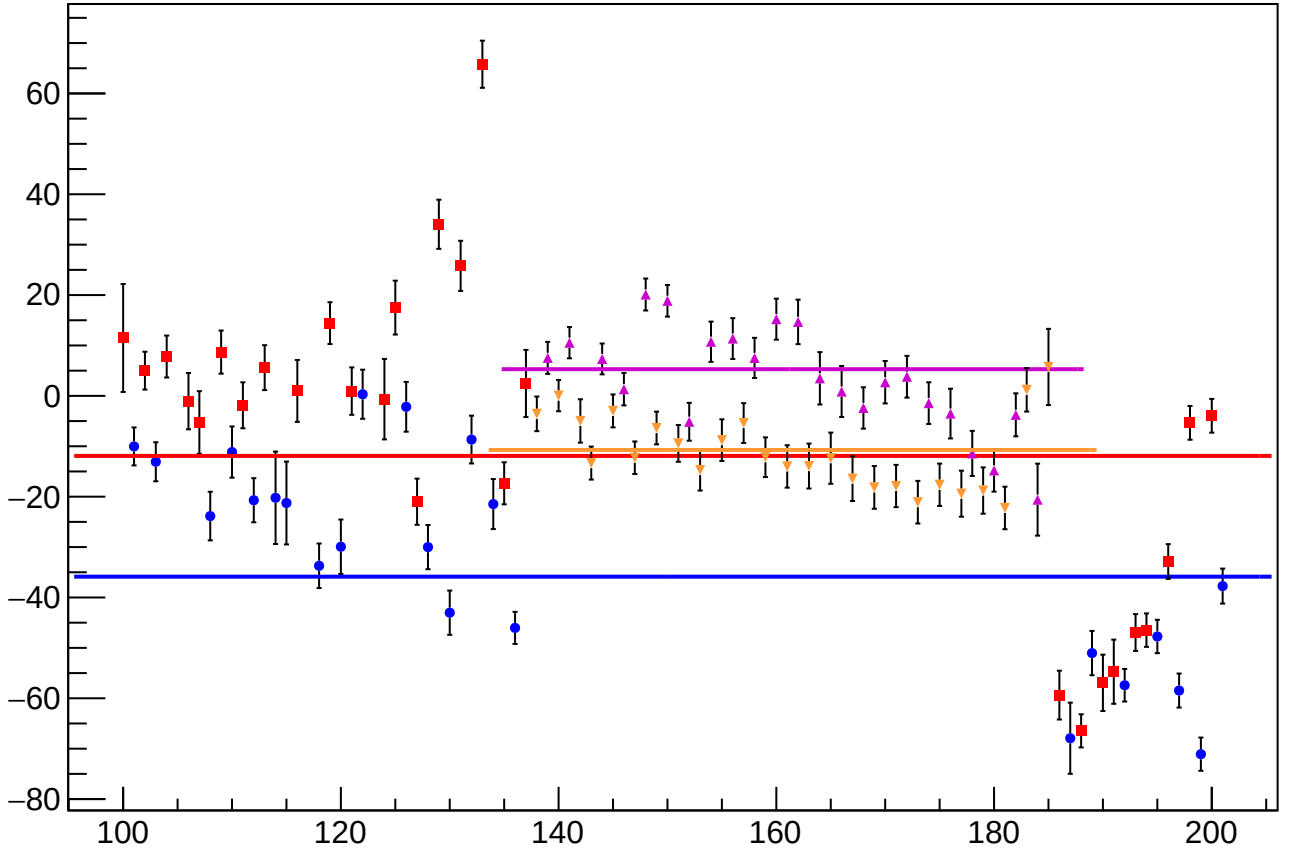
Right: 1524.996+/-0.215 χ^2/NDF: 1500699.3/50

In: 1679.555+/-0.217 χ^2/NDF:1410849.5/45

Out: 1674.555+/-0.208 χ^2/NDF:1449336.2/52

All: 1676.949+/-0.150 χ^2/NDF: 2860461.4/98

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: -11.913+/-0.844 χ^2/NDF: 1341.6/27

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

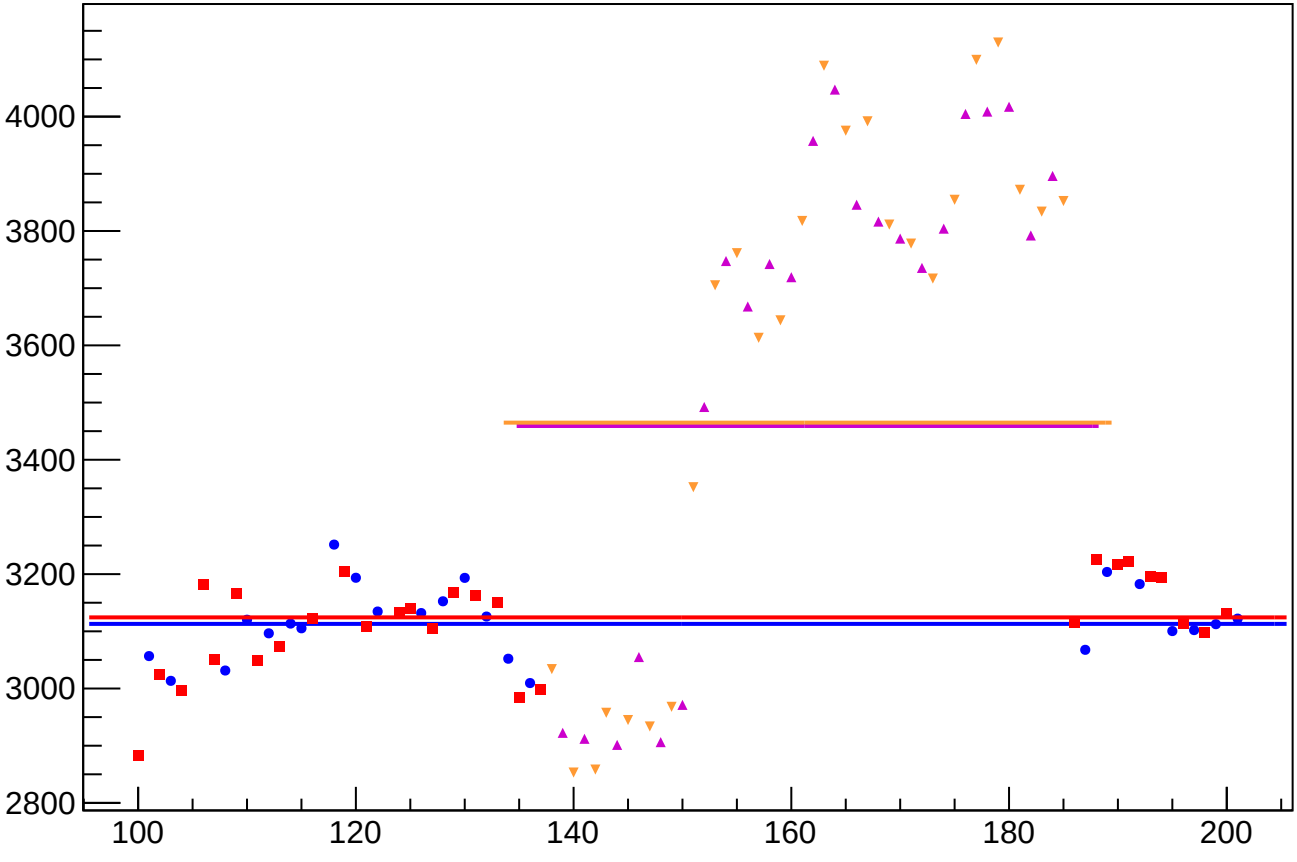
Right: -23.311+/-0.611 χ^2/NDF: 2263.0/50

In: -13.569+/-0.599 χ^2/NDF:1842.0/45

Out: -11.287+/-0.578 χ^2/NDF:1416.4/52

All: -12.387+/-0.416 χ^2/NDF: 3266.0/98

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: 3124.378+/-0.596 χ^2/NDF: 14651.9/27

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

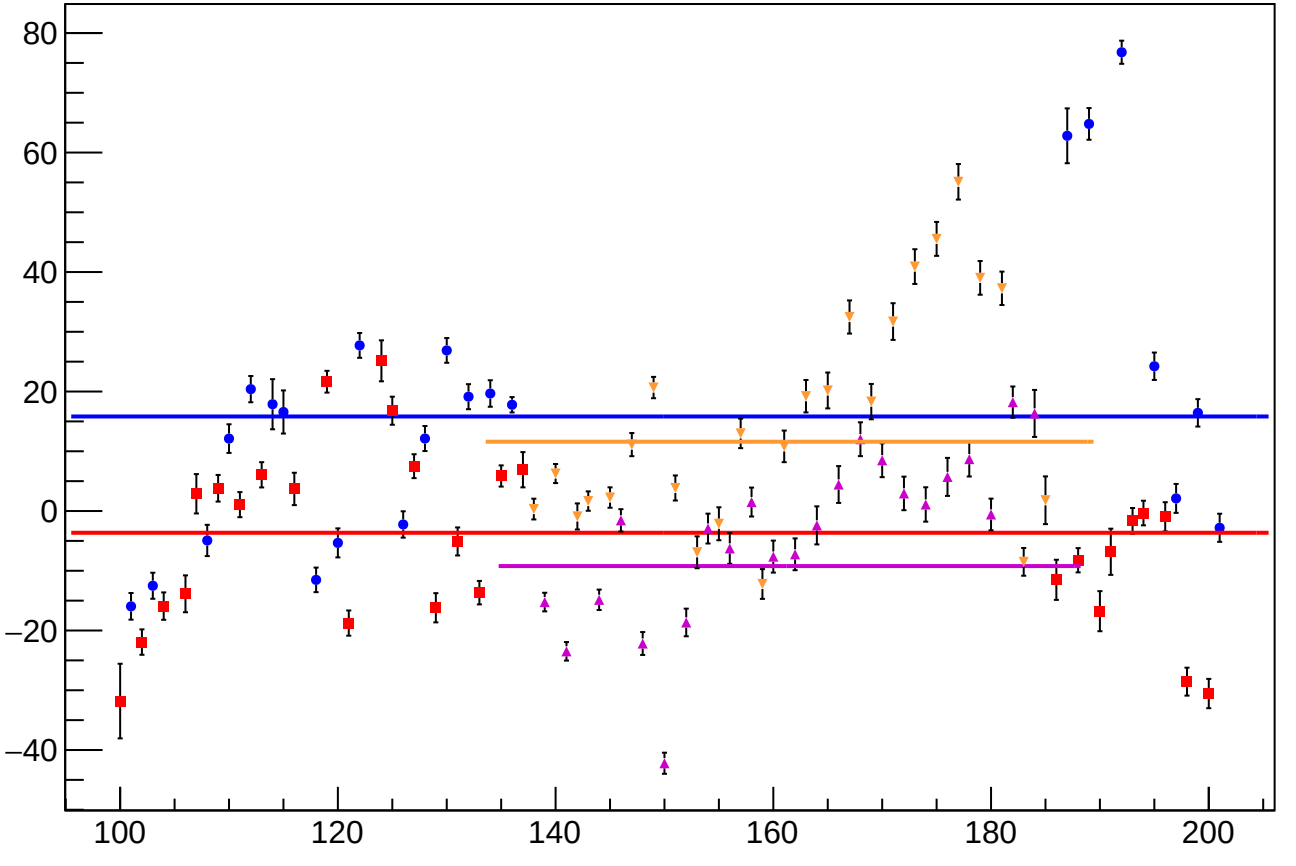
Right: 3118.964+/-0.432 χ^2/NDF: 24866.2/50

In: 3300.494+/-0.424 χ^2/NDF:758841.6/45

Out: 3304.982+/-0.409 χ^2/NDF:831521.5/52

All: 3302.819+/-0.294 χ^2/NDF: 1590421.3/98

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: -3.638+/-0.449 χ^2/NDF: 963.1/27

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

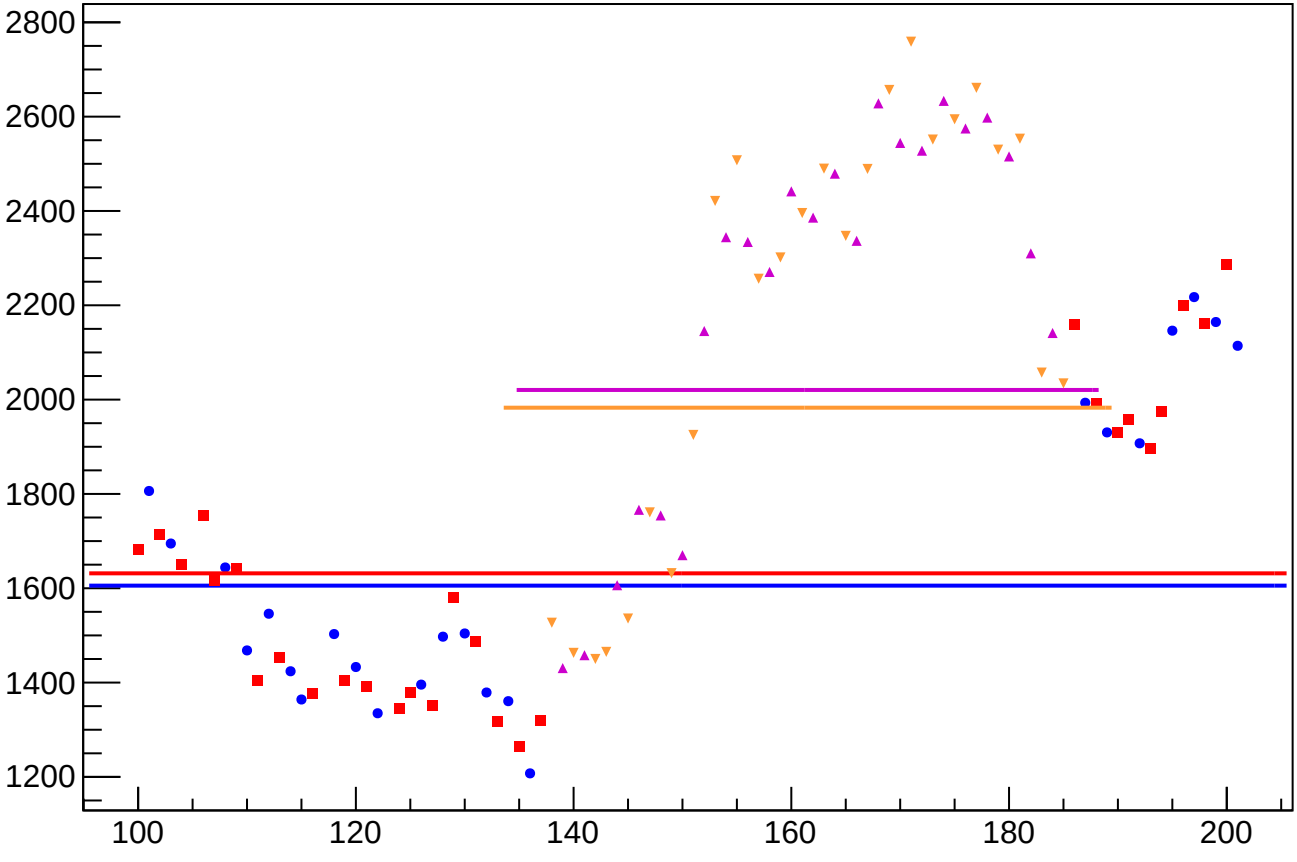
Right: 5.730+/-0.323 χ^2/NDF: 4245.5/50

In: 3.770+/-0.336 χ^2/NDF:4707.8/45

Out: 3.741+/-0.323 χ^2/NDF:2717.5/52

All: 3.755+/-0.233 χ^2/NDF: 7425.3/98

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: 1631.631+/-0.318 χ^2/NDF: 944590.0/27

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

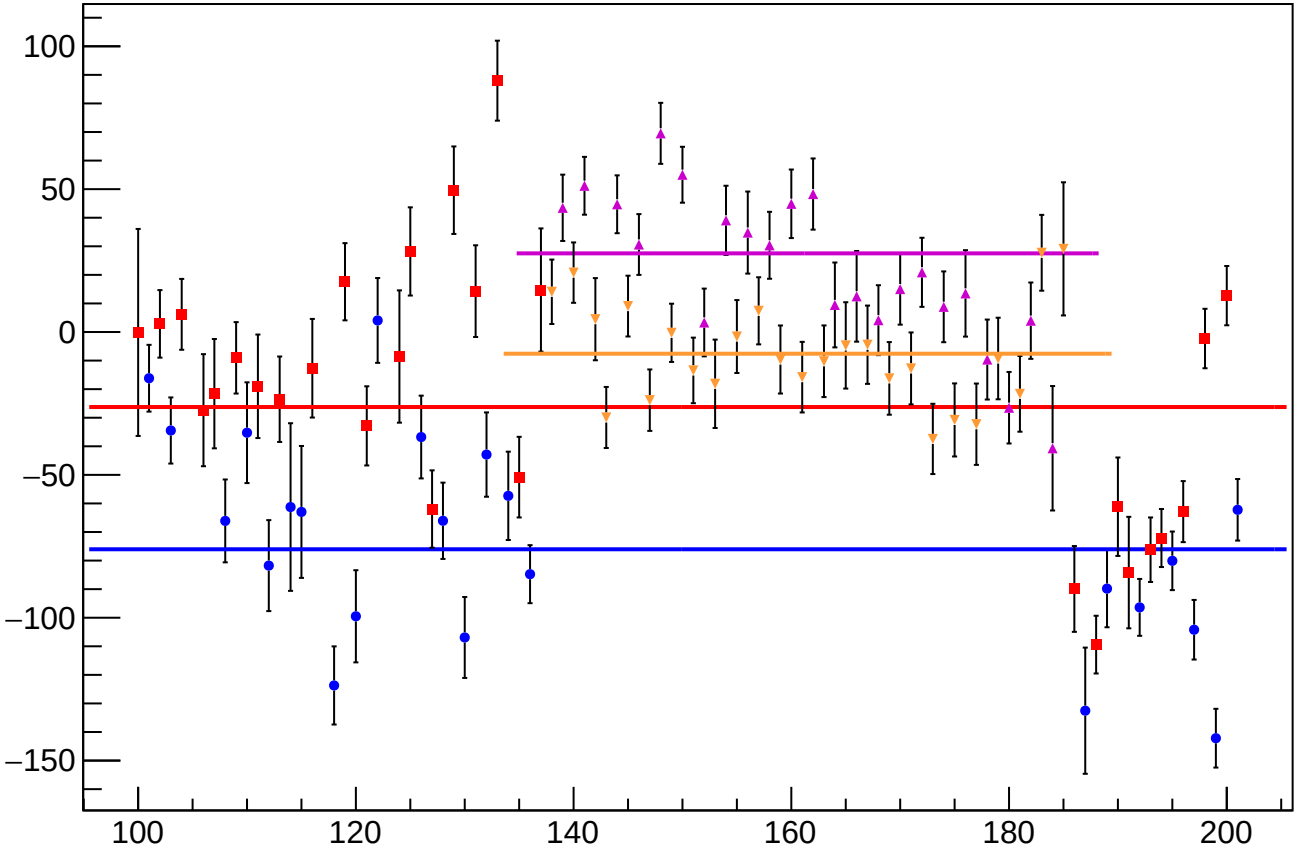
Right: 1619.077+/-0.229 χ^2/NDF: 1850077.5/50

In: 1805.316+/-0.237 χ^2/NDF:3279693.3/45

Out: 1801.741+/-0.228 χ^2/NDF:3514751.6/52

All: 1803.457+/-0.164 χ^2/NDF: 6794562.8/98

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: -26.256+/-2.628 χ^2/NDF: 320.9/27

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

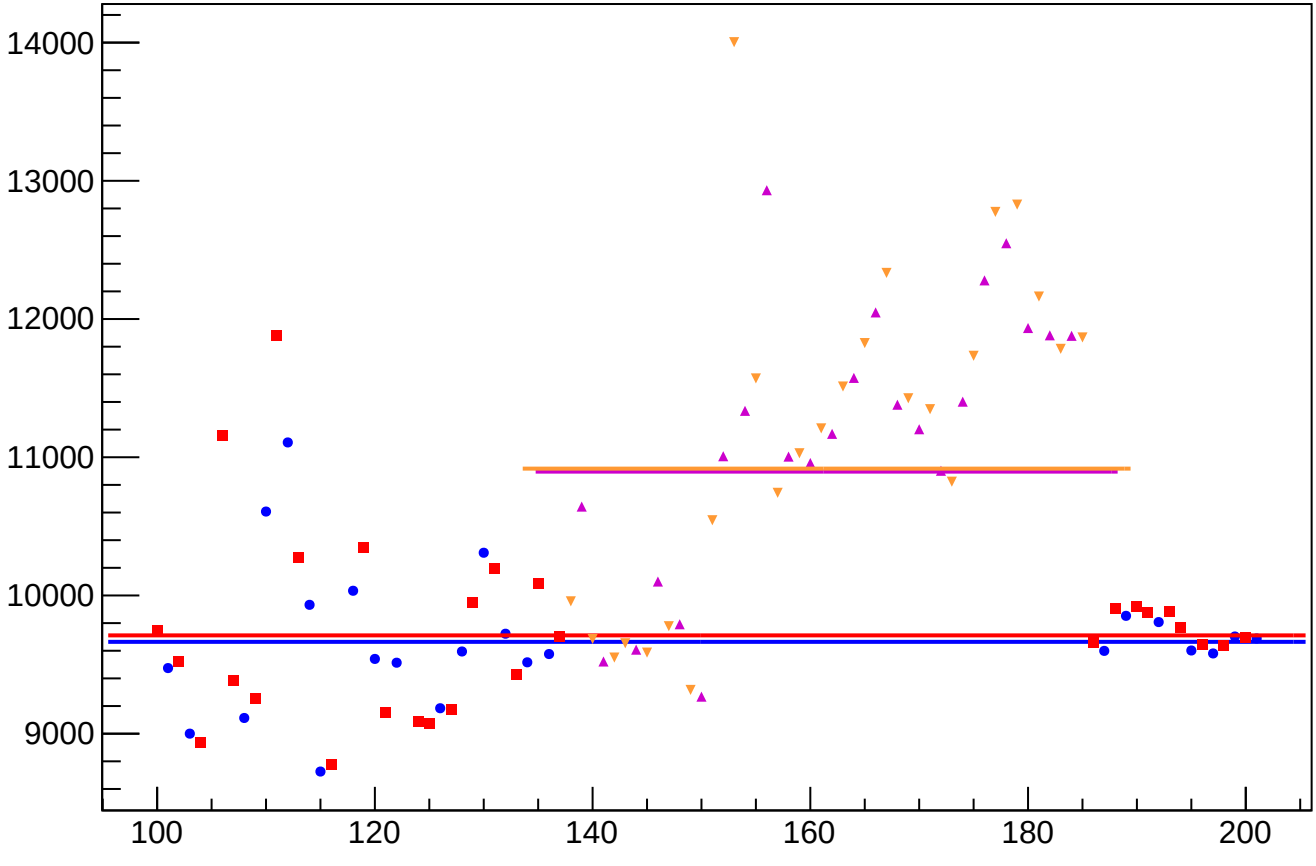
Right: -49.977+/-1.902 χ^2/NDF: 663.1/50

In: -20.386+/-1.874 χ^2/NDF:1023.5/45

Out: -16.439+/-1.810 χ^2/NDF:395.4/52

All: -18.344+/-1.302 χ^2/NDF: 1421.2/98

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: 9711.240+/-1.859 χ^2/NDF: 82080.2/27

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

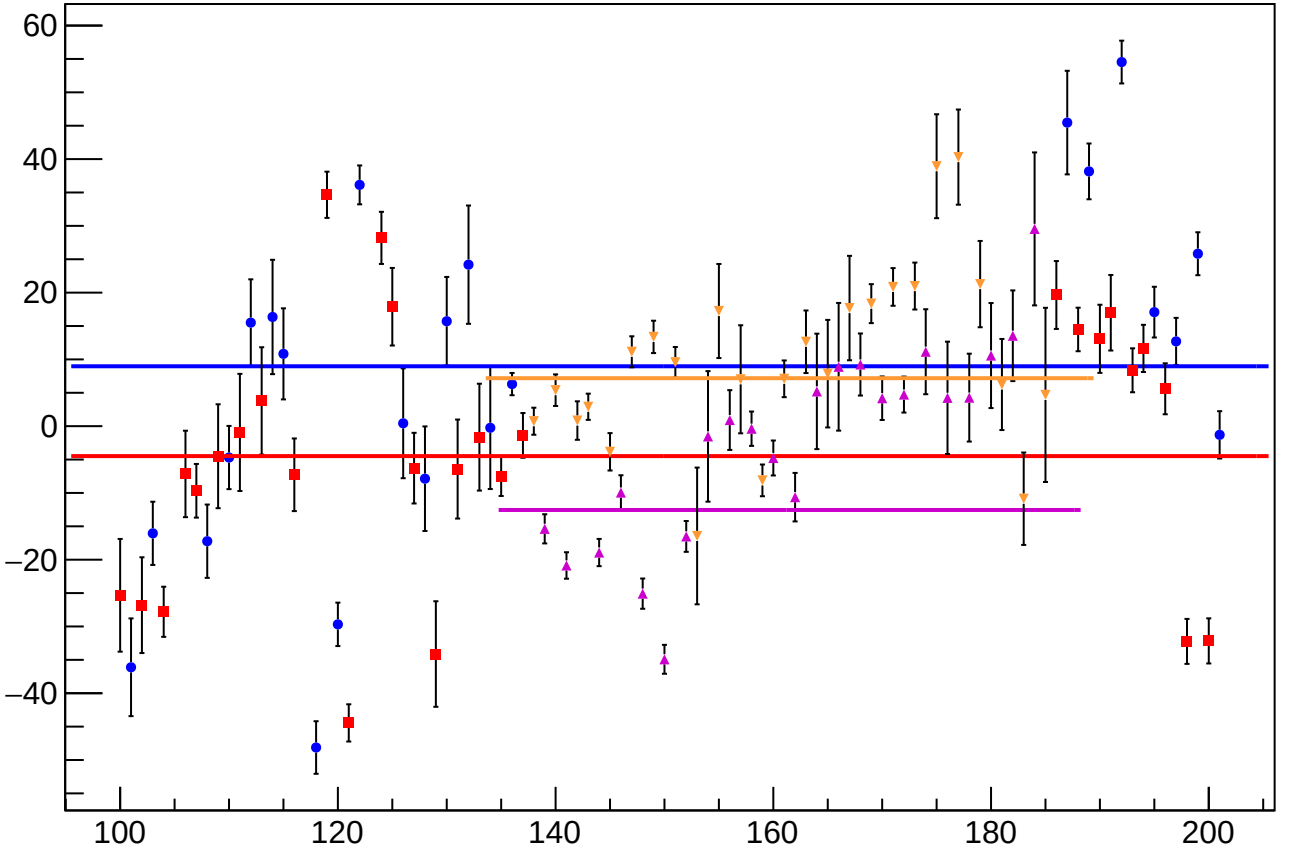
Right: 9688.951+/-1.345 χ^2/NDF: 127606.1/50

In: 10326.257+/-1.325 χ^2/NDF:558000.0/45

Out: 10345.879+/-1.280 χ^2/NDF:729567.1/52

All: 10336.411+/-0.920 χ^2/NDF: 1287680.5/9

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: -4.483+/-0.820 χ^2/NDF: 752.8/27

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

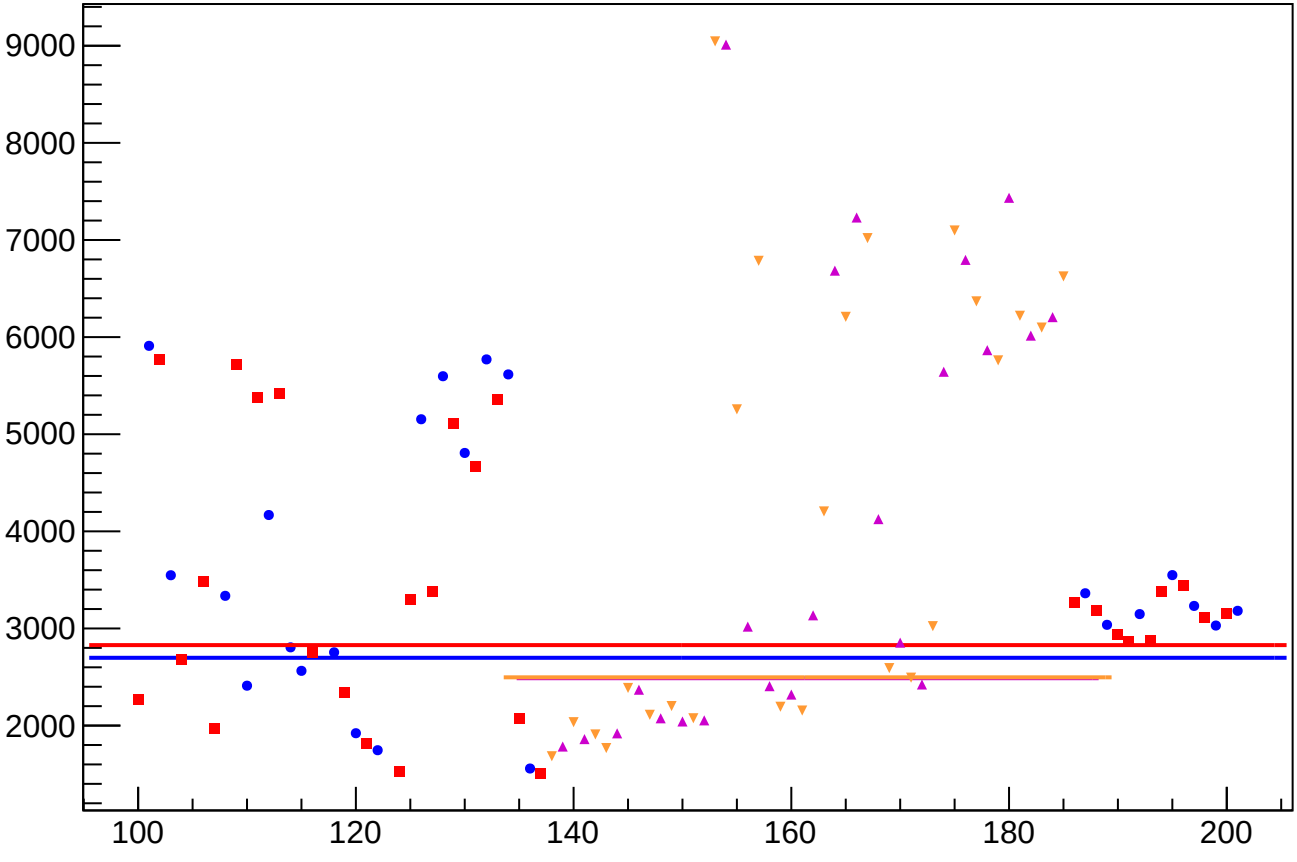
Right: 2.072+/-0.587 χ^2/NDF: 1749.5/50

In: -4.346+/-0.520 χ^2/NDF:1642.6/45

Out: 2.653+/-0.511 χ^2/NDF:1078.3/52

All: -0.790+/-0.364 χ^2/NDF: 2813.1/98

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: 2828.649+/-0.580 χ^2/NDF: 2780707.1/27

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

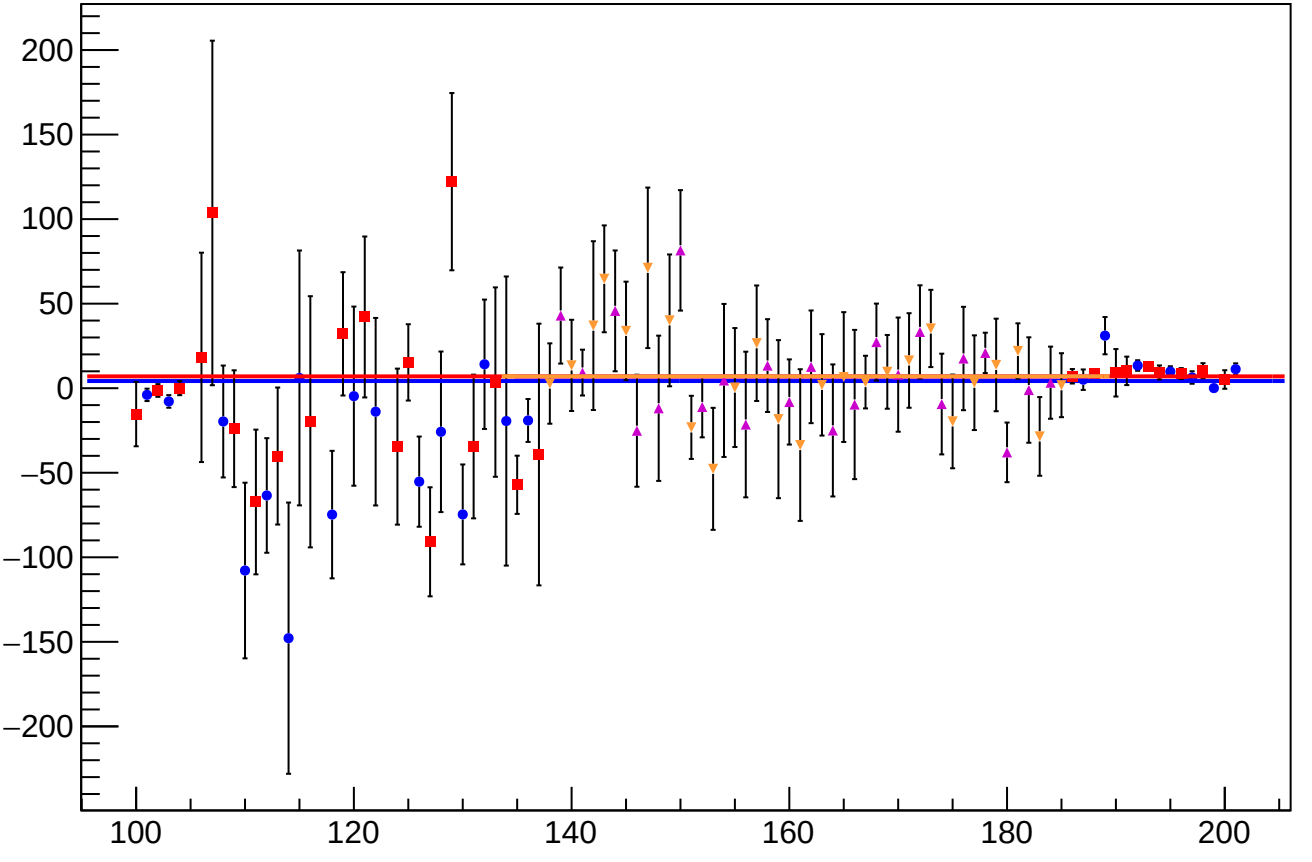
Right: 2764.992+/-0.415 χ^2/NDF: 6026487.0/50

In: 2567.905+/-0.367 χ^2/NDF:9401807.3/45

Out: 2625.705+/-0.361 χ^2/NDF:10186788.5/52

All: 2597.276+/-0.258 χ^2/NDF: 19601174.5/9

diff_bpm0l03X_mean vs Slug, Sign Corrected



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: 6.994+/-1.196 χ^2/NDF: 52.7/27

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

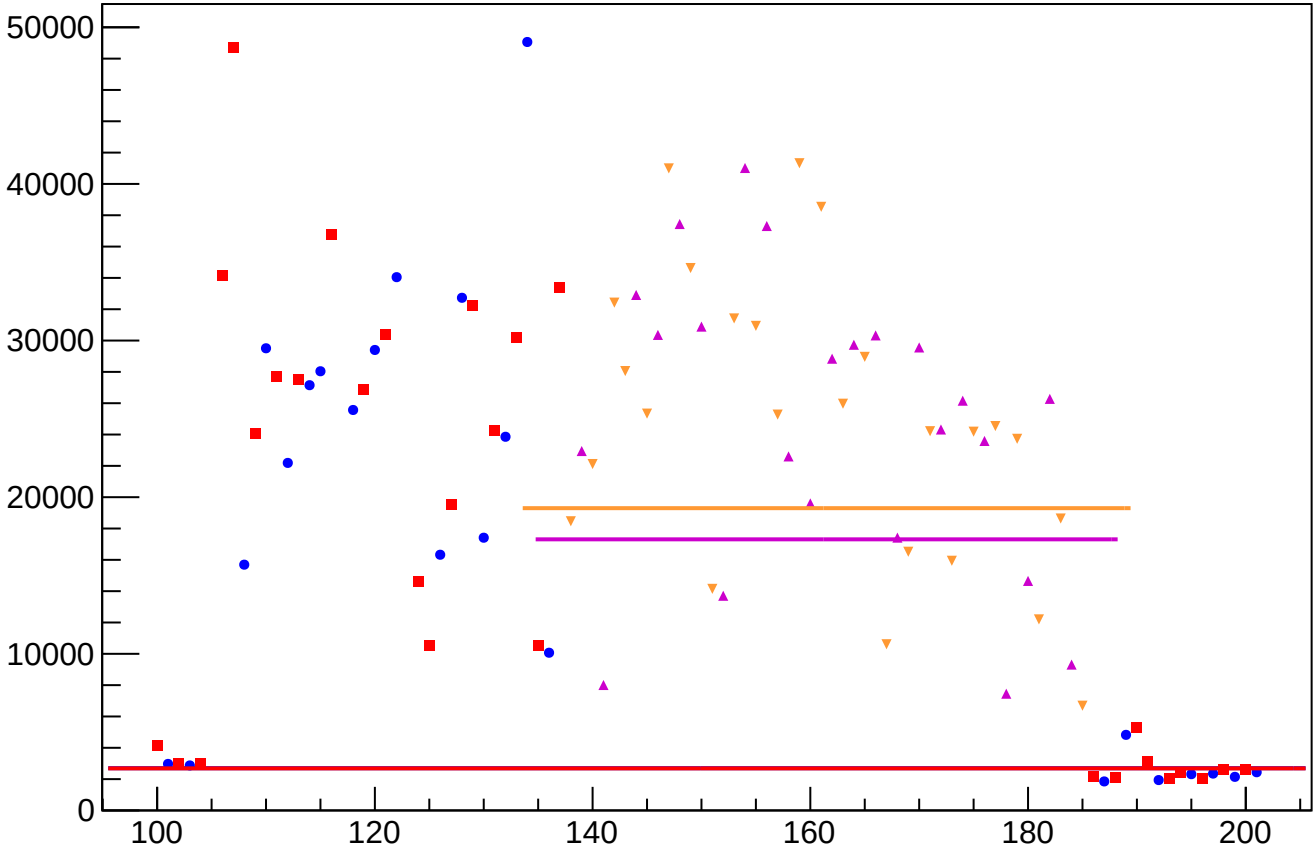
Right: 5.644+/-0.854 χ^2/NDF: 128.2/50

In: 4.387+/-1.186 χ^2/NDF:94.3/45

Out: 6.998+/-1.166 χ^2/NDF:72.2/52

All: 5.715+/-0.831 χ^2/NDF: 169.0/98

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: 2686.686+/-0.846 χ^2/NDF: 8796685.6/27

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

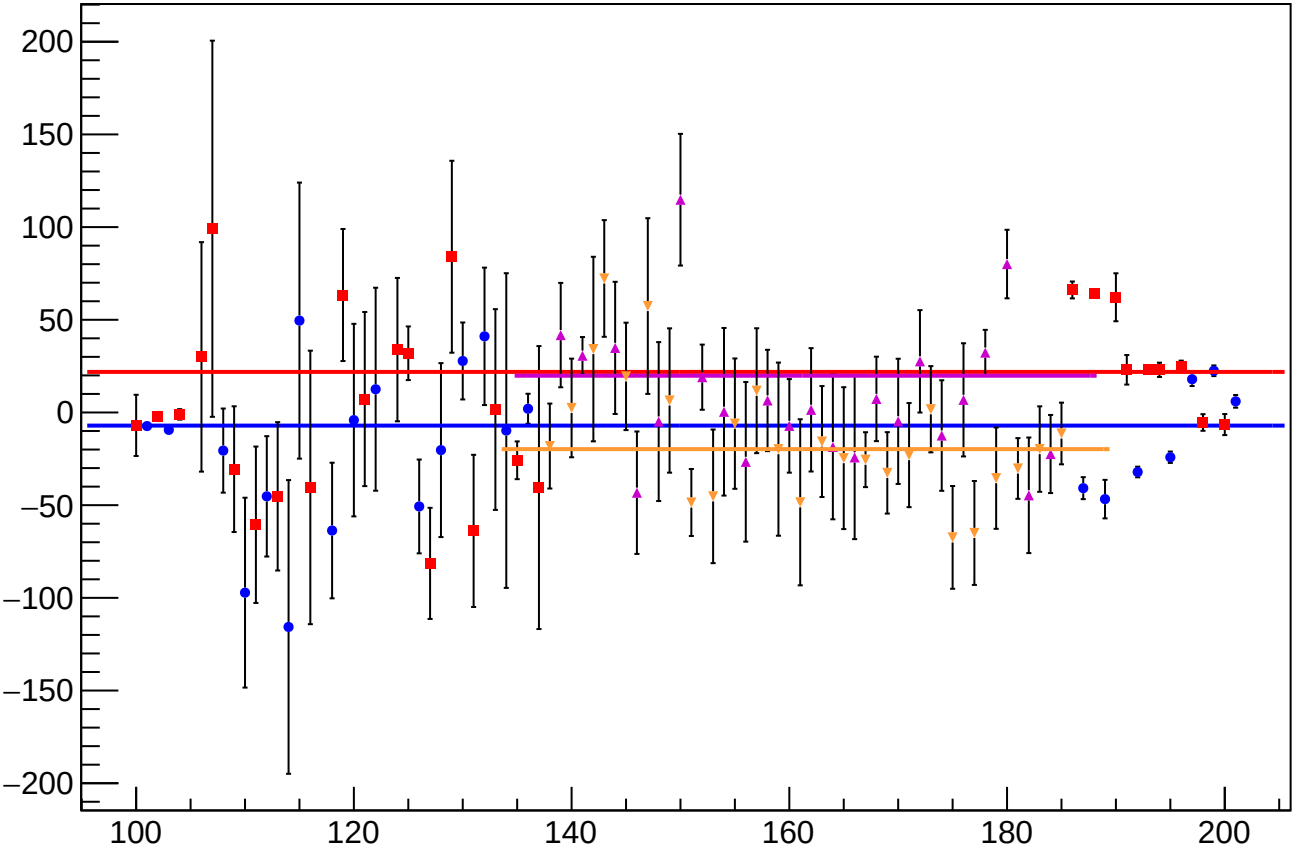
Right: 2691.600+/-0.604 χ^2/NDF: 16664758.7/50

In: 3489.811+/-0.839 χ^2/NDF:30173360.9/45

Out: 3512.762+/-0.824 χ^2/NDF:33027924.8/52

All: 3501.484+/-0.588 χ^2/NDF: 63201666.7/9

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: 21.885+/-1.046 χ^2/NDF: 653.3/27

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

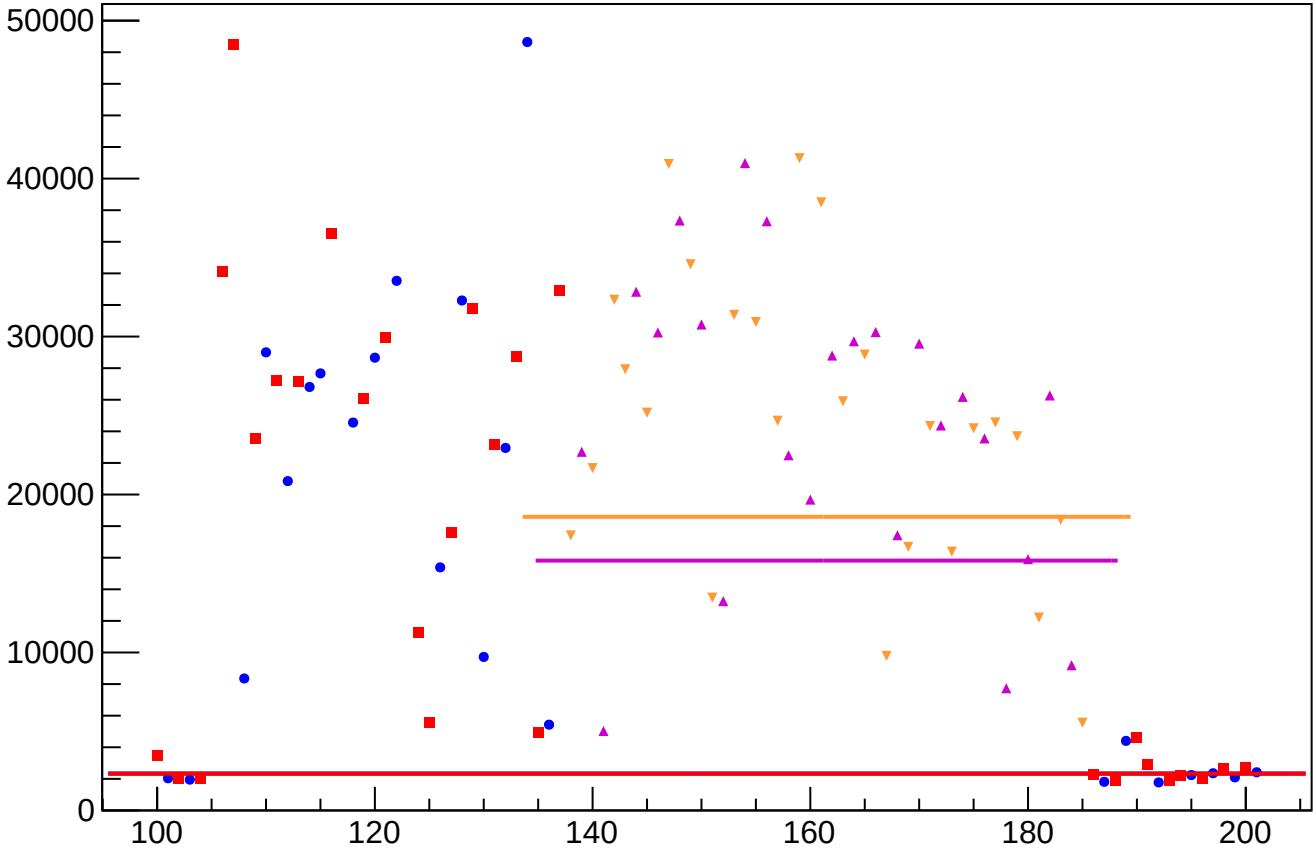
Right: 7.651+/-0.746 χ^2/NDF: 1369.3/50

In: -5.844+/-1.040 χ^2/NDF:409.0/45

Out: 20.213+/-1.025 χ^2/NDF:744.7/52

All: 7.369+/-0.730 χ^2/NDF: 1472.3/98

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: 2325.572+/-0.740 χ^2/NDF: 8322335.3/27

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

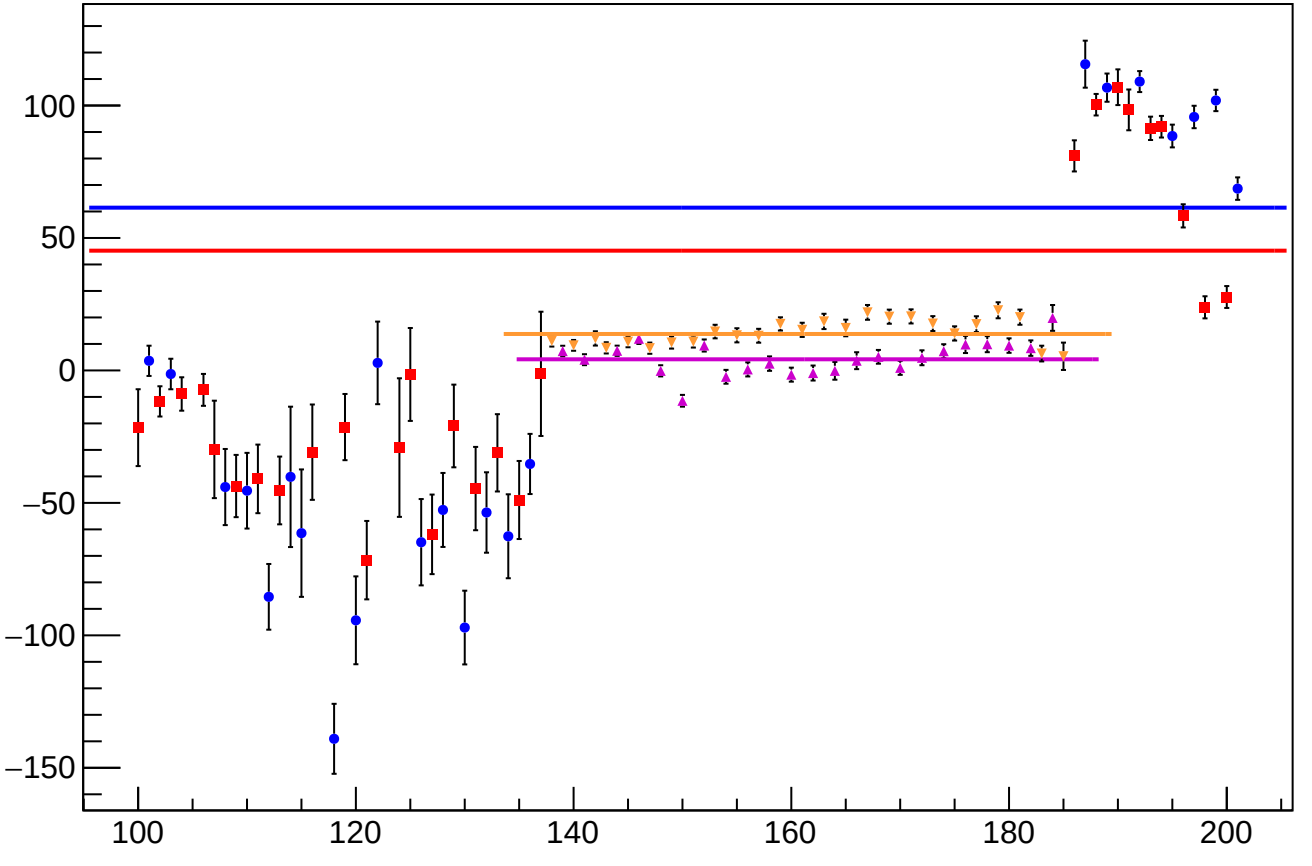
Right: 2332.627+/-0.528 χ^2/NDF: 15349079.6/50

In: 2960.337+/-0.735 χ^2/NDF:30194049.3/45

Out: 2978.205+/-0.725 χ^2/NDF:33416113.2/52

All: 2969.398+/-0.516 χ^2/NDF: 63610462.1/9

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: 45.209+/-1.335 χ^2/NDF: 1382.5/27

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

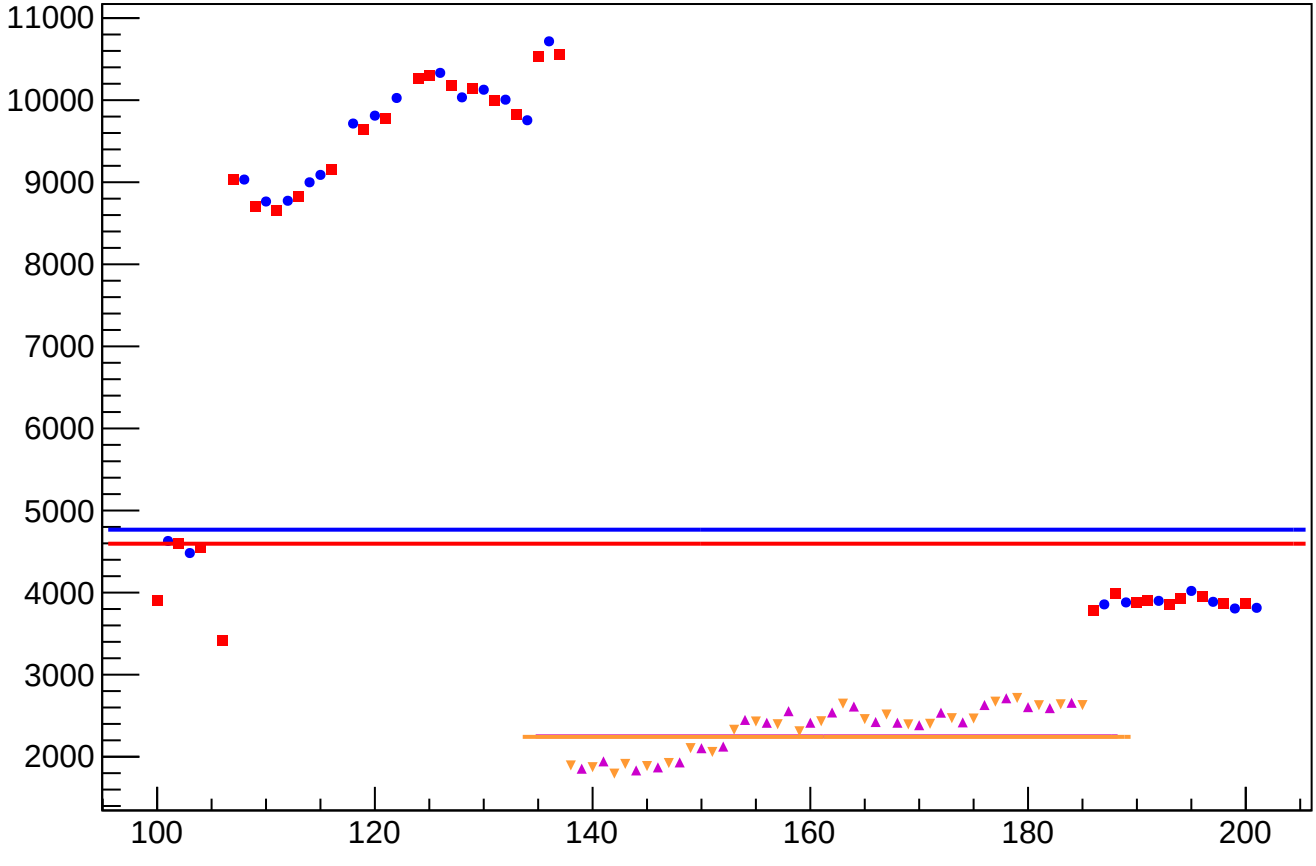
Right: 52.547+/-0.988 χ^2/NDF: 3205.3/50

In: 10.790+/-0.499 χ^2/NDF:3221.9/45

Out: 17.821+/-0.480 χ^2/NDF:1943.1/52

All: 14.442+/-0.346 χ^2/NDF: 5268.3/98

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: 4595.722+/-0.944 χ^2/NDF: 3738854.6/27

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

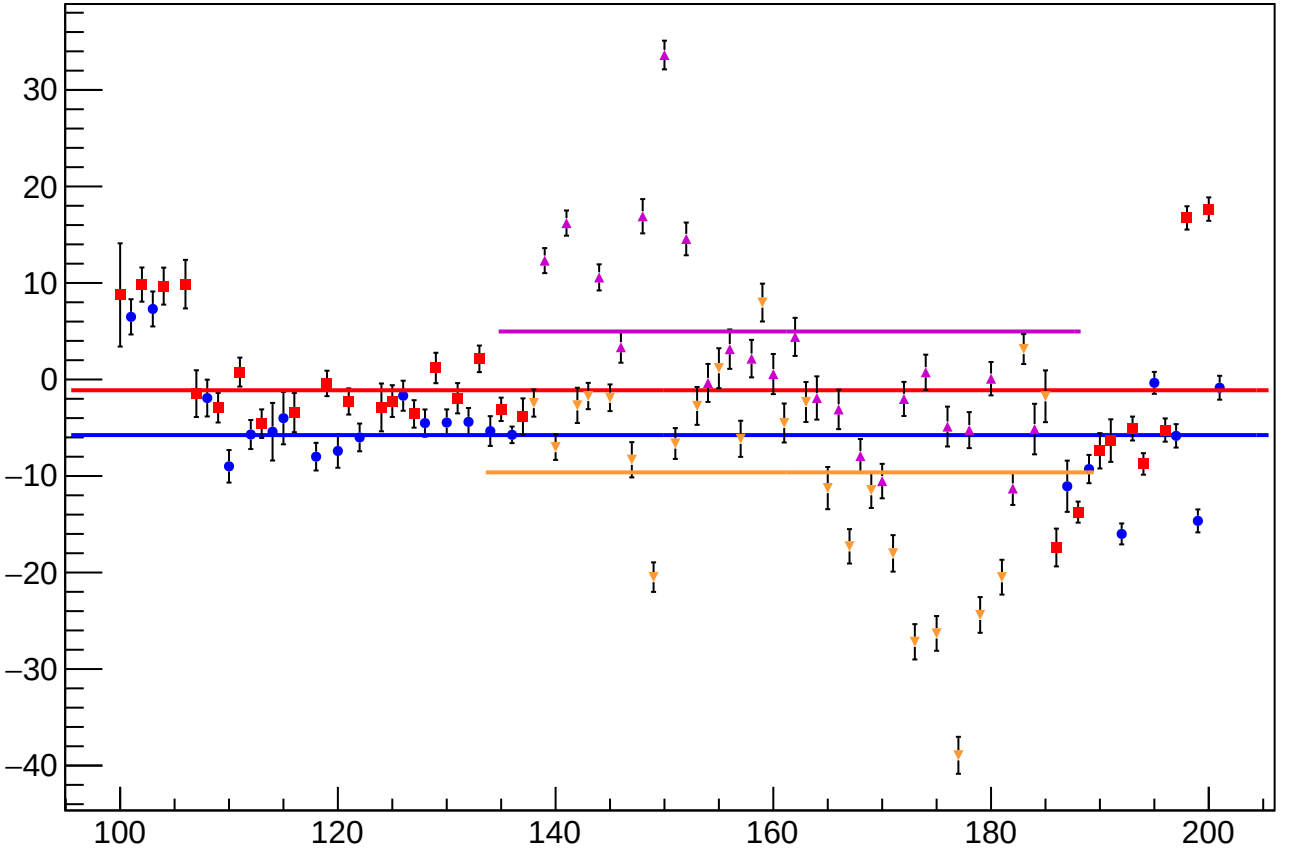
Right: 4672.969+/-0.699 χ^2/NDF: 7444407.3/50

In: 2538.372+/-0.353 χ^2/NDF:9527162.8/45

Out: 2546.198+/-0.339 χ^2/NDF:9810092.1/52

All: 2542.437+/-0.244 χ^2/NDF: 19337510.7/9

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: -1.115+/-0.288 χ^2/NDF: 866.6/27

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

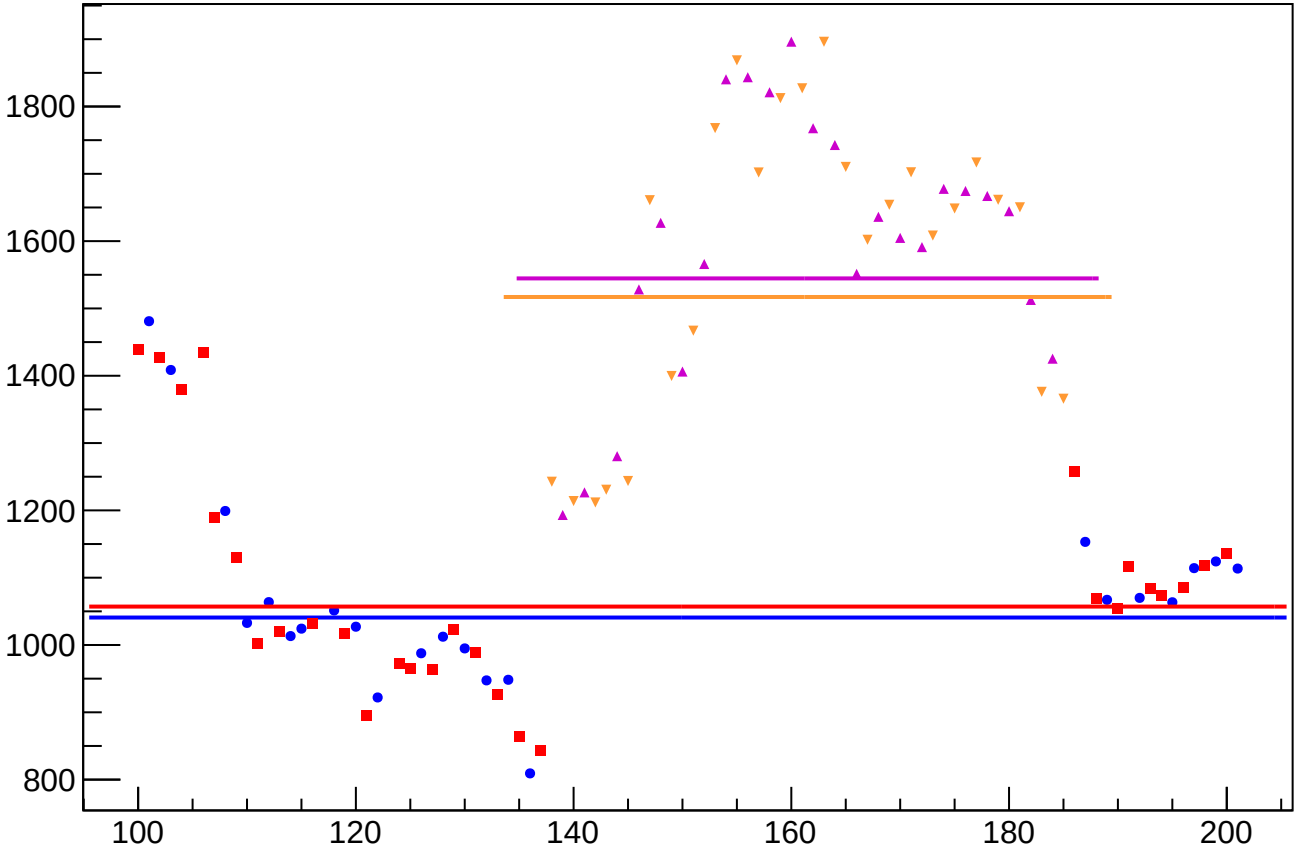
Right: -3.350+/-0.207 χ^2/NDF: 1303.1/50

In: -1.449+/-0.231 χ^2/NDF:1759.3/45

Out: -4.554+/-0.222 χ^2/NDF:2154.7/52

All: -3.064+/-0.160 χ^2/NDF: 4007.9/98

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: 1057.069+/-0.203 χ^2/NDF: 398845.3/27

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

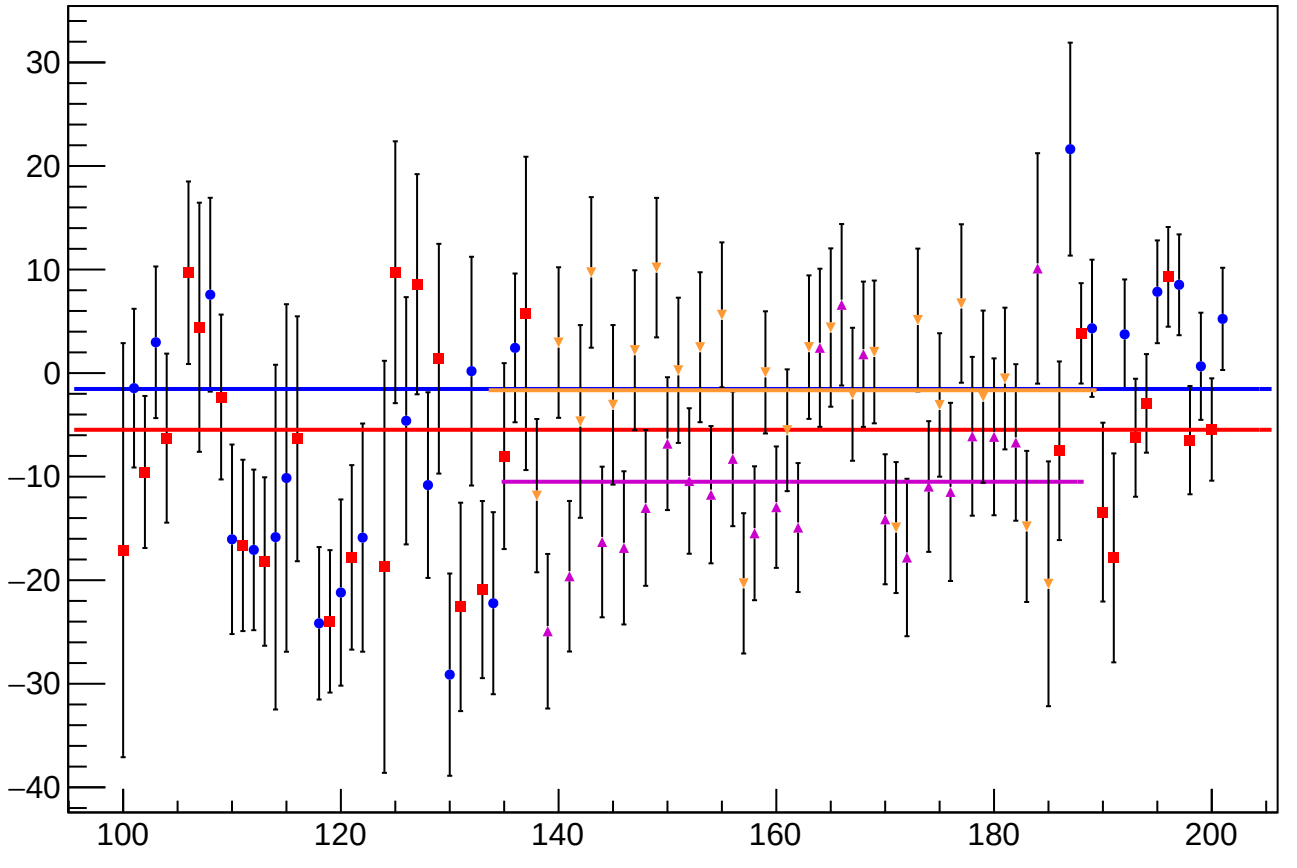
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1049.246+/-0.147 χ^2/NDF: 826078.9/50

In: 1243.185+/-0.163 χ^2/NDF:3347513.6/45

Out: 1243.033+/-0.157 χ^2/NDF:3299745.6/52

All: 1243.106+/-0.113 χ^2/NDF: 6647259.6/98



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: -5.474+/-1.438 χ^2/NDF: 44.5/27

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

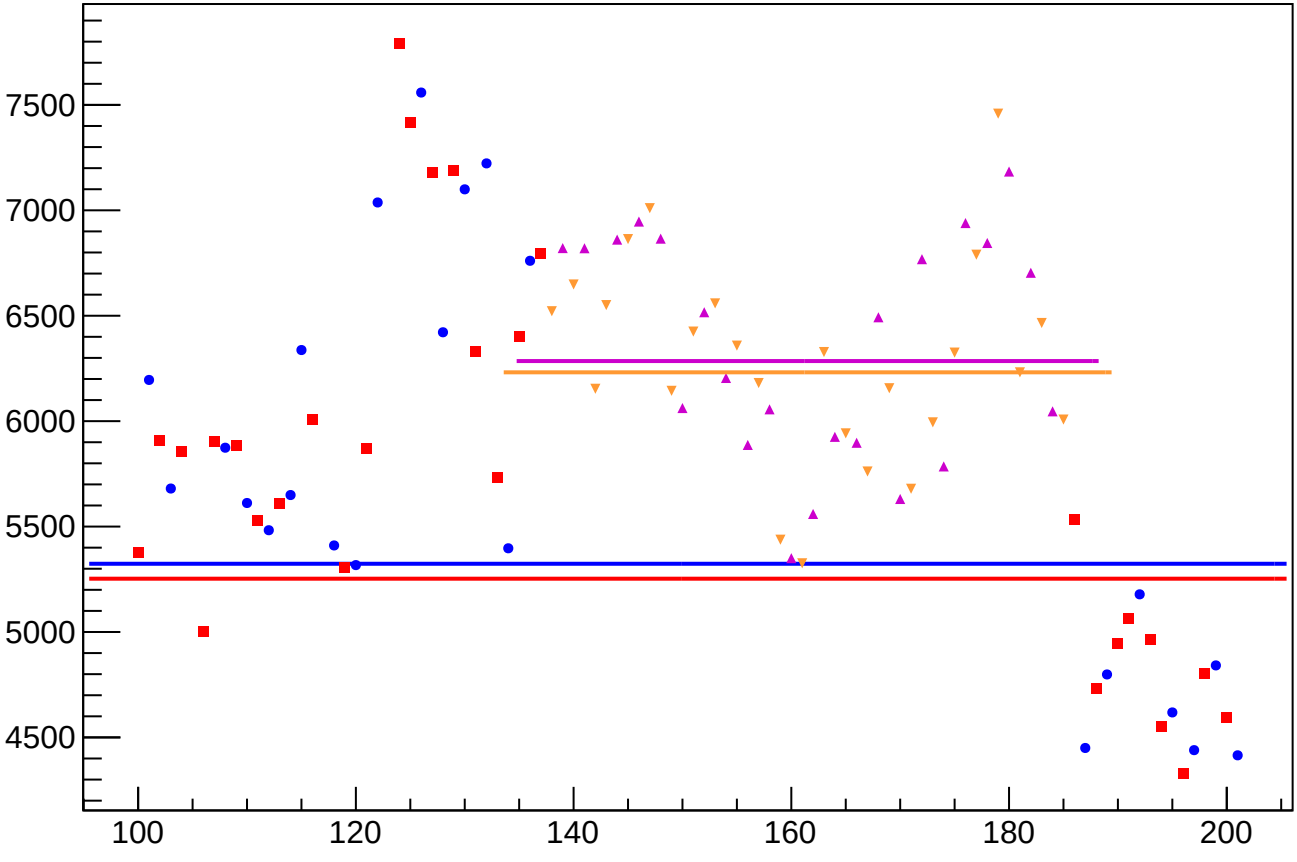
Right: -3.639+/-1.051 χ^2/NDF: 104.5/50

In: -6.193+/-1.067 χ^2/NDF:99.0/45

Out: -3.549+/-1.013 χ^2/NDF:79.6/52

All: -4.802+/-0.735 χ^2/NDF: 181.8/98

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: 5252.791+/-1.017 χ^2/NDF: 572037.9/27

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

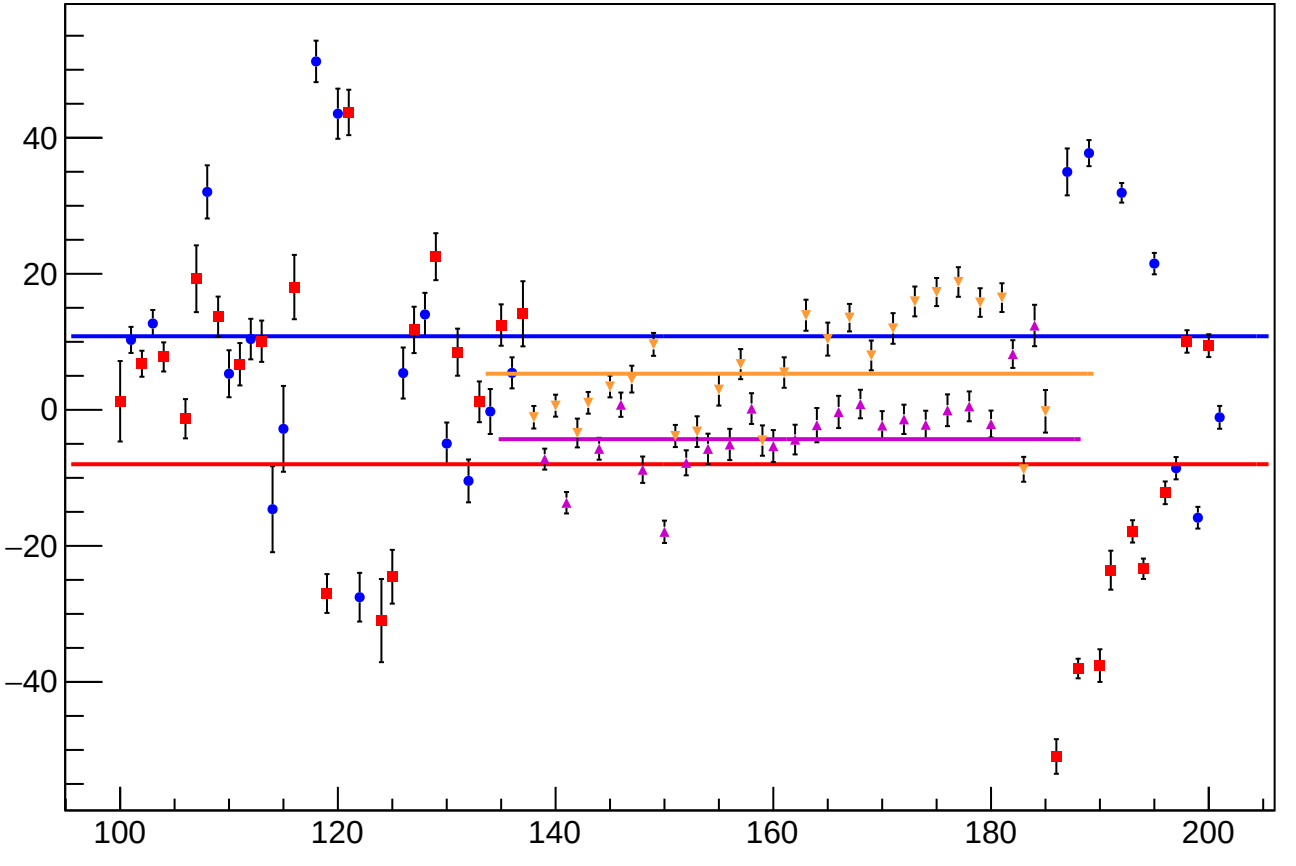
Right: 5285.784+/-0.743 χ^2/NDF: 1196909.9/50

In: 5823.633+/-0.755 χ^2/NDF:1293205.0/45

Out: 5746.352+/-0.716 χ^2/NDF:1265911.8/52

All: 5782.977+/-0.519 χ^2/NDF: 2564635.3/98

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: -7.995+/-0.461 χ^2/NDF: 2098.2/27

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

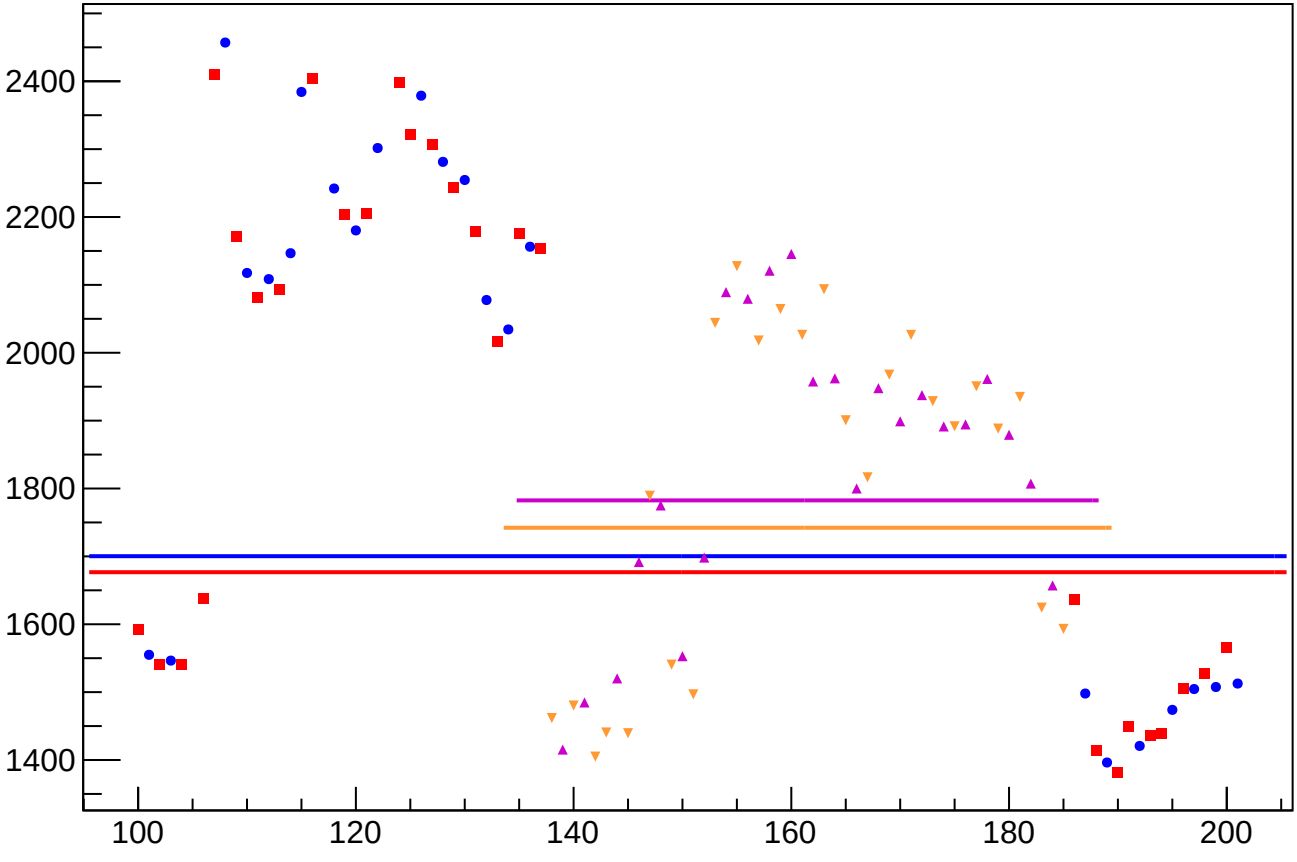
Right: 0.780+/-0.337 χ^2/NDF: 4365.5/50

In: 2.054+/-0.320 χ^2/NDF:2256.2/45

Out: -0.410+/-0.302 χ^2/NDF:2951.4/52

All: 0.753+/-0.220 χ^2/NDF: 5239.0/98

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: 1676.698+/-0.326 χ^2/NDF: 951793.8/27

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

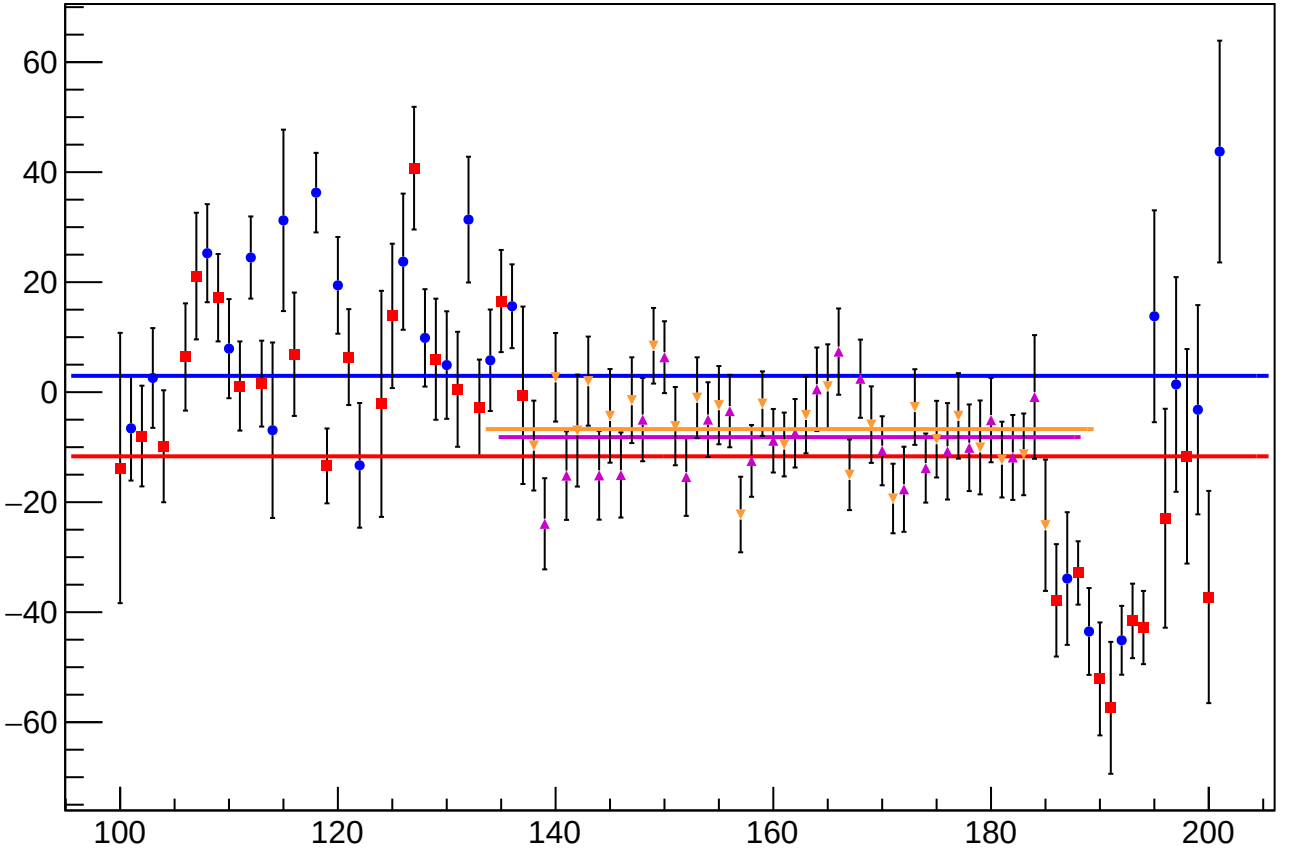
Right: 1687.698+/-0.238 χ^2/NDF: 1887877.3/50

In: 1747.918+/-0.226 χ^2/NDF:1500243.1/45

Out: 1714.045+/-0.214 χ^2/NDF:1742490.0/52

All: 1730.030+/-0.155 χ^2/NDF: 3254586.3/98

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: -11.661+/-1.820 χ^2/NDF: 171.7/27

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

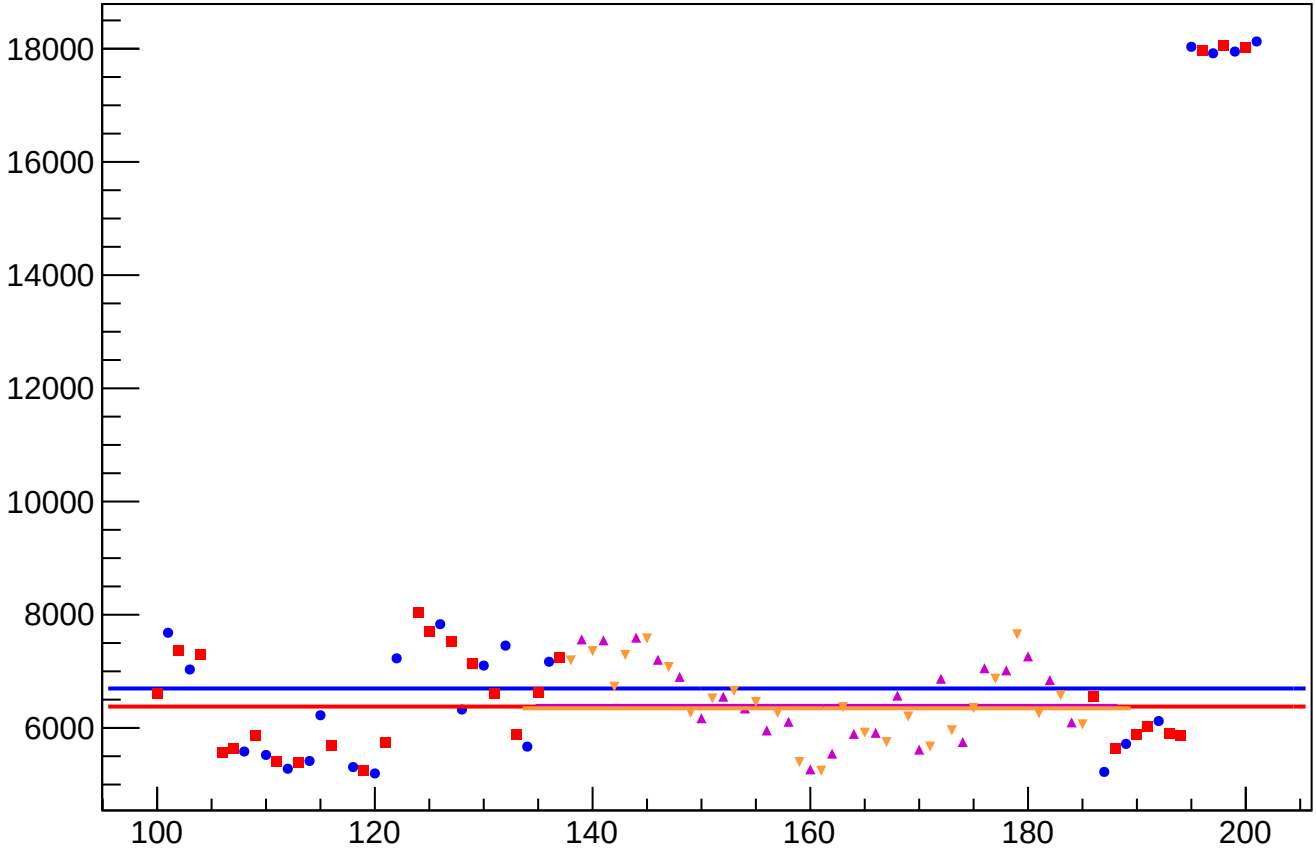
Right: -5.197+/-1.360 χ^2/NDF: 366.2/50

In: -4.243+/-1.215 χ^2/NDF:209.3/45

Out: -8.646+/-1.138 χ^2/NDF:201.9/52

All: -6.589+/-0.830 χ^2/NDF: 418.2/98

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: 6377.523+/-1.287 χ^2/NDF: 2469732.8/27

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

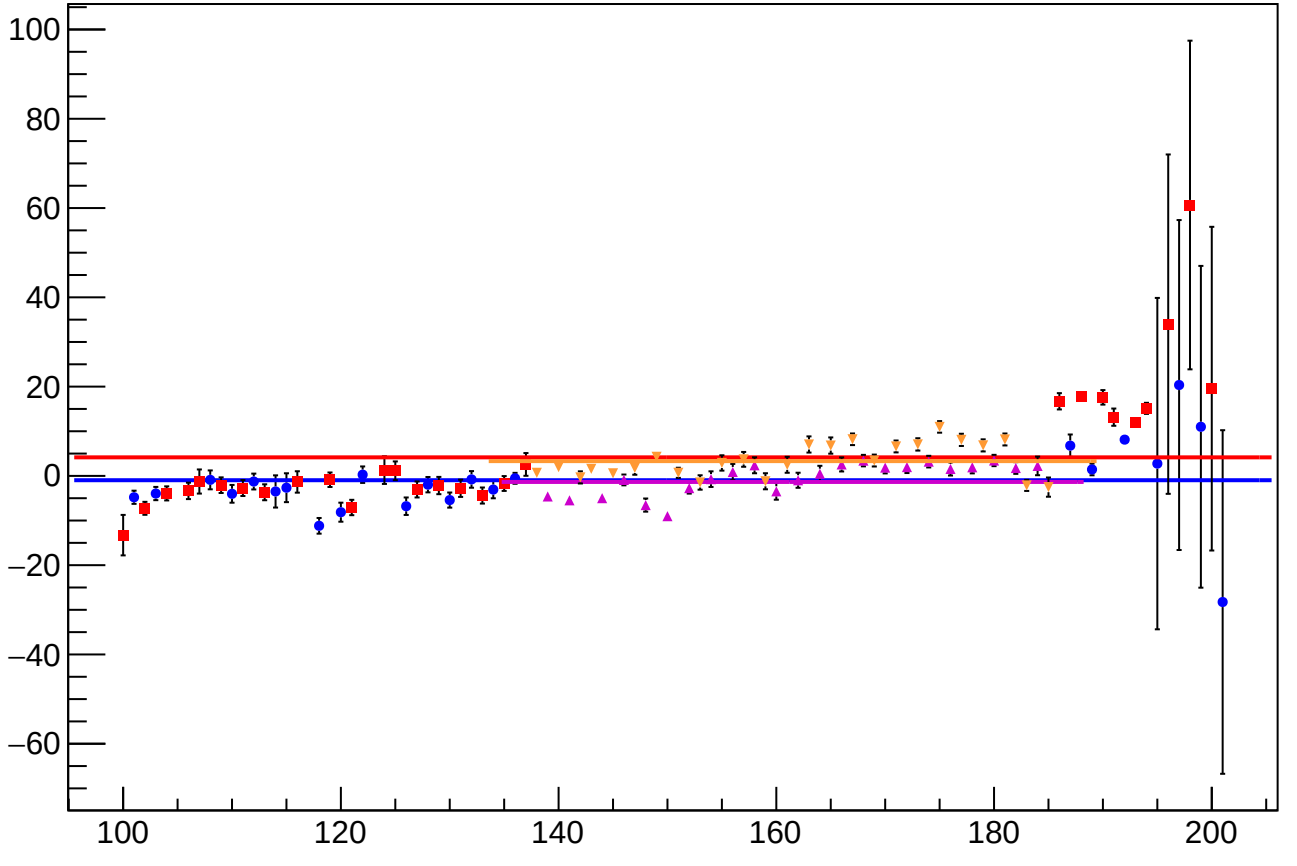
Right: 6518.650+/-0.962 χ^2/NDF: 5649000.5/50

In: 6497.853+/-0.859 χ^2/NDF:3601065.8/45

Out: 6359.101+/-0.805 χ^2/NDF:2856094.5/52

All: 6423.938+/-0.587 χ^2/NDF: 6471057.0/98

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: 4.154+/-0.342 χ^2/NDF: 747.6/27

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

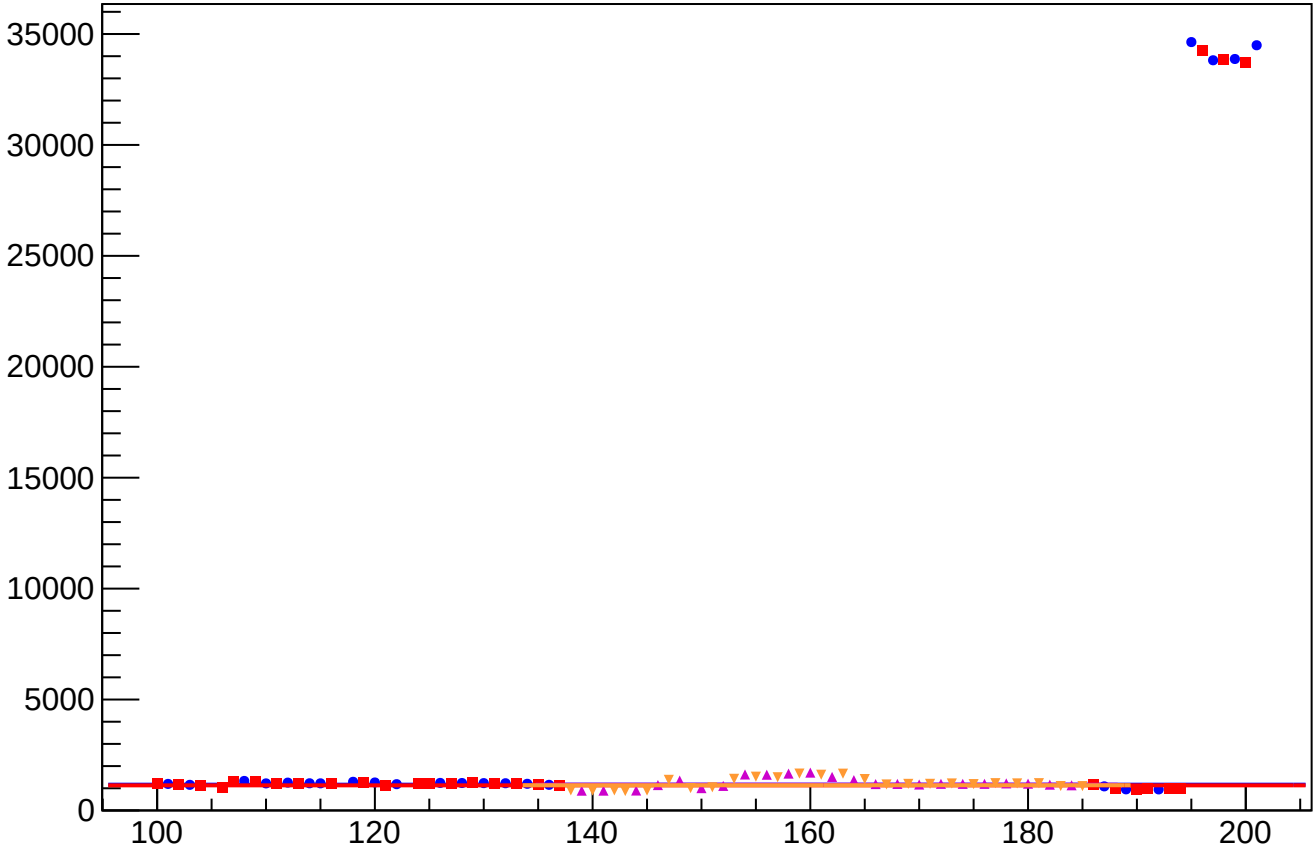
Right: 1.901+/-0.256 χ^2/NDF: 1026.1/50

In: -1.224+/-0.225 χ^2/NDF:376.8/45

Out: 3.626+/-0.209 χ^2/NDF:929.3/52

All: 1.376+/-0.153 χ^2/NDF: 1555.4/98

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: 1131.649+/-0.242 χ^2/NDF: 4934751.0/27

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

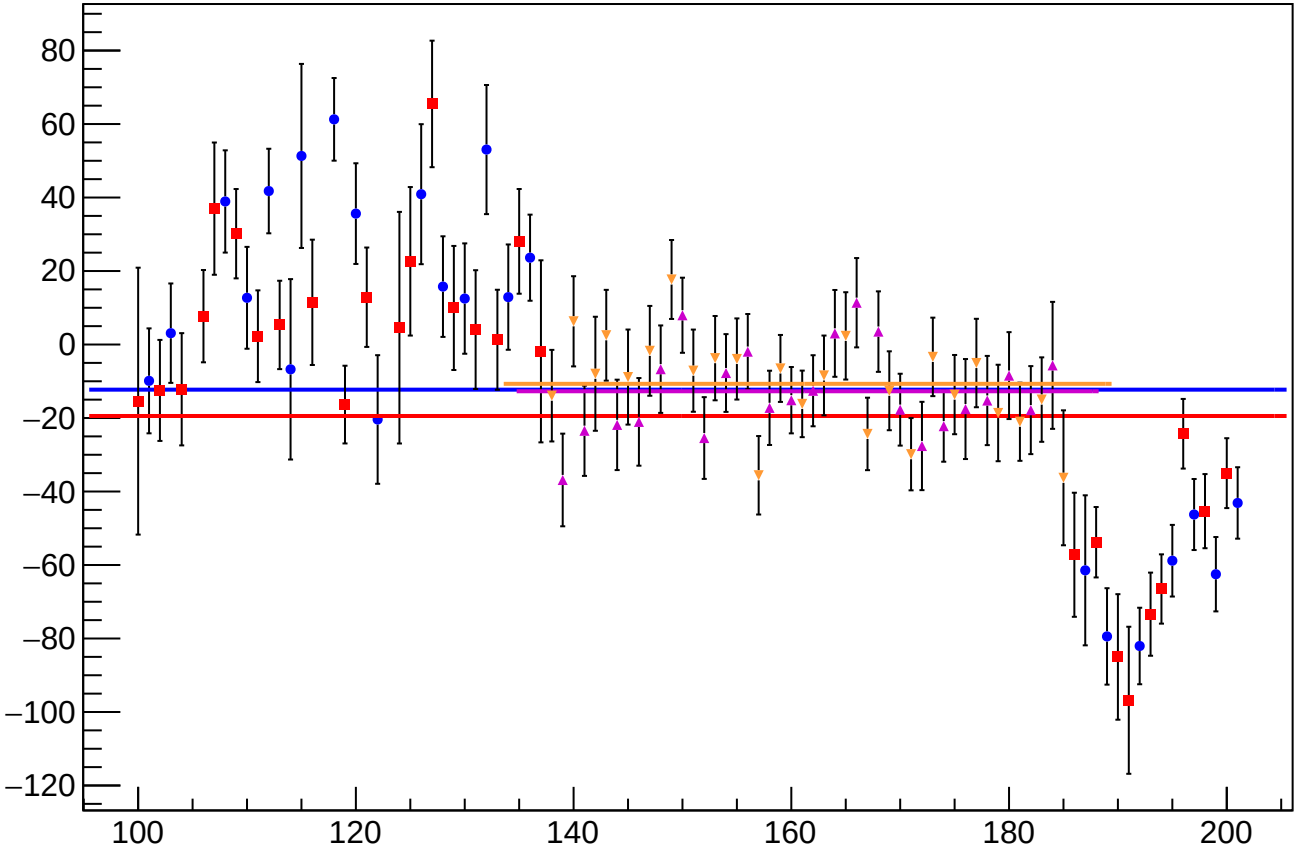
Right: 1145.008+/-0.181 χ^2/NDF: 11480621.0/50

In: 1160.310+/-0.159 χ^2/NDF:7798787.8/45

Out: 1135.092+/-0.148 χ^2/NDF:6404760.9/52

All: 1146.793+/-0.108 χ^2/NDF: 14217031.1/9

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: -19.448+/-2.538 χ^2/NDF: 201.1/27

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

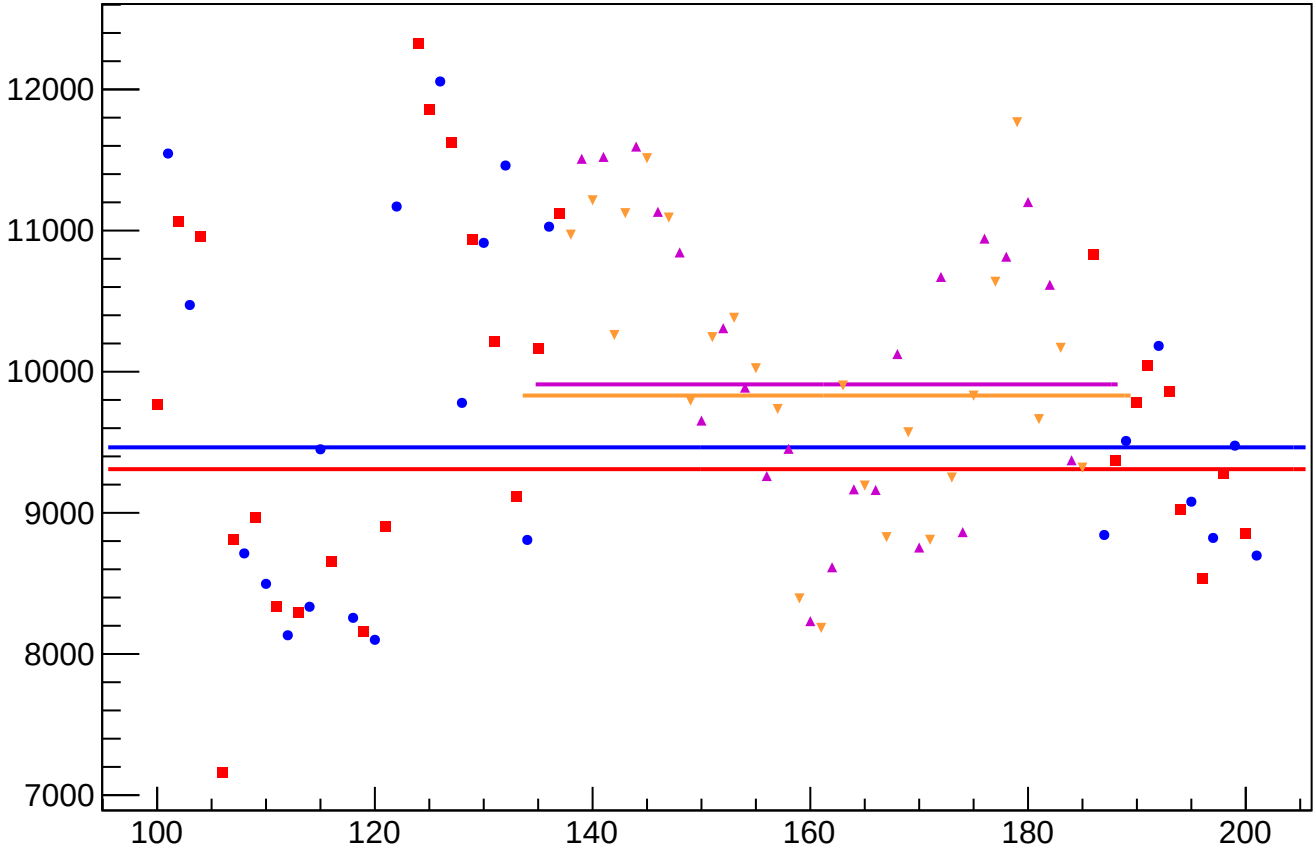
Right: -16.116+/-1.856 χ^2/NDF: 494.5/50

In: -12.533+/-1.775 χ^2/NDF:313.8/45

Out: -14.562+/-1.687 χ^2/NDF:236.5/52

All: -13.599+/-1.223 χ^2/NDF: 550.9/98

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: 9309.595+/-1.795 χ^2/NDF: 347244.5/27

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

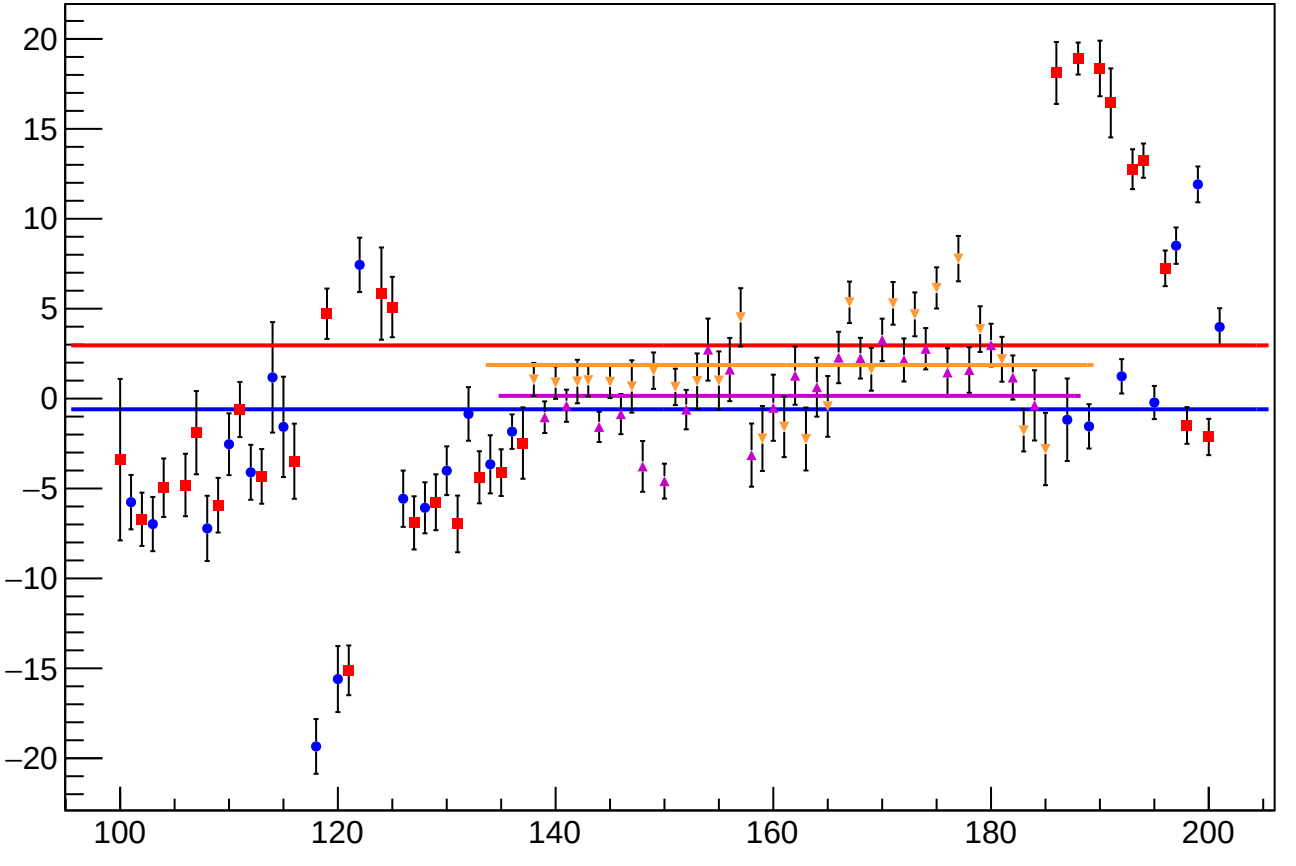
Right: 9381.487+/-1.313 χ^2/NDF: 670956.8/50

In: 9720.614+/-1.255 χ^2/NDF:740516.0/45

Out: 9600.878+/-1.193 χ^2/NDF:750557.1/52

All: 9657.700+/-0.865 χ^2/NDF: 1495856.4/98

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: 2.959+/-0.265 χ^2/NDF: 1323.3/27

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

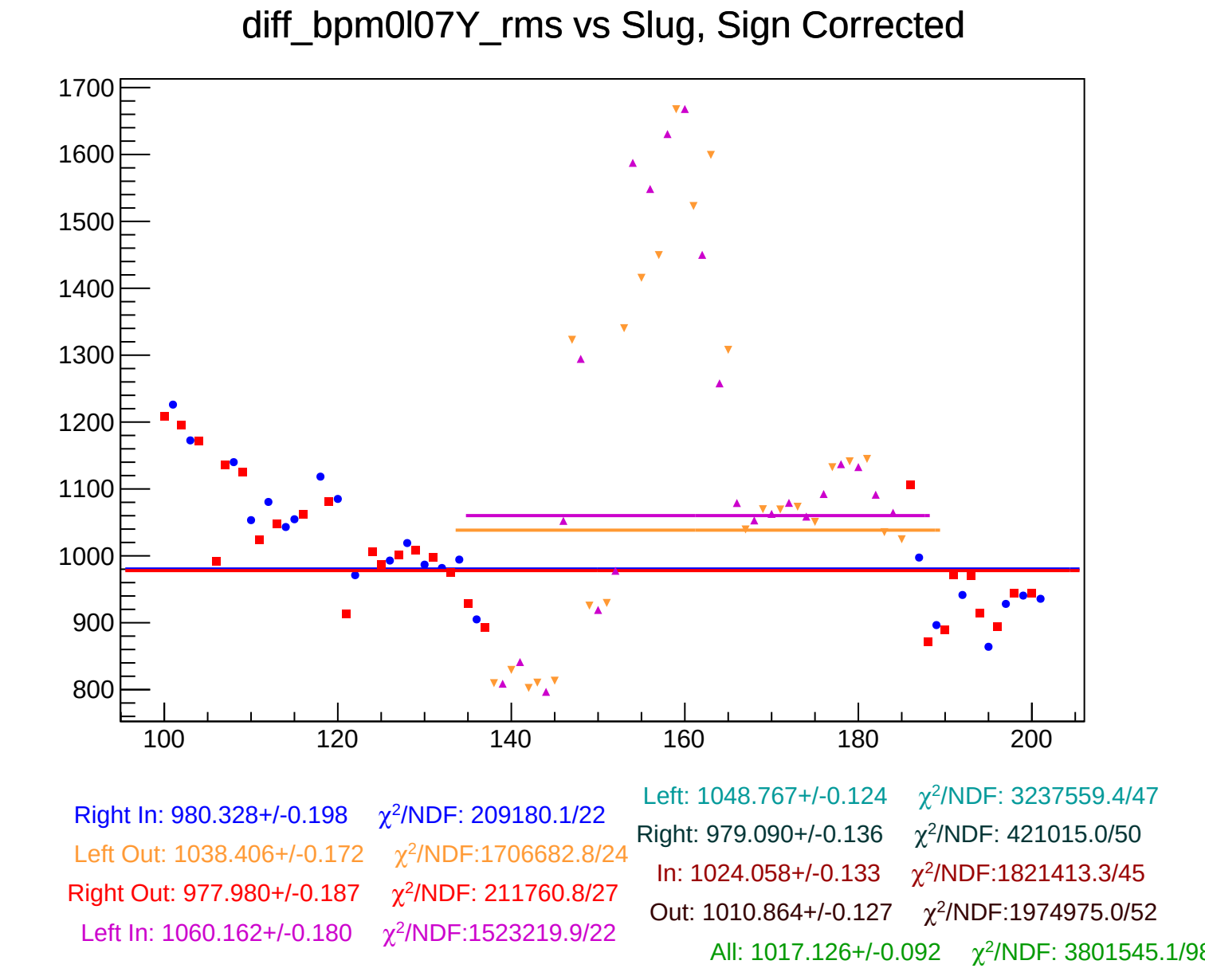
Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

Right: 1.279+/-0.193 χ^2/NDF: 2004.1/50

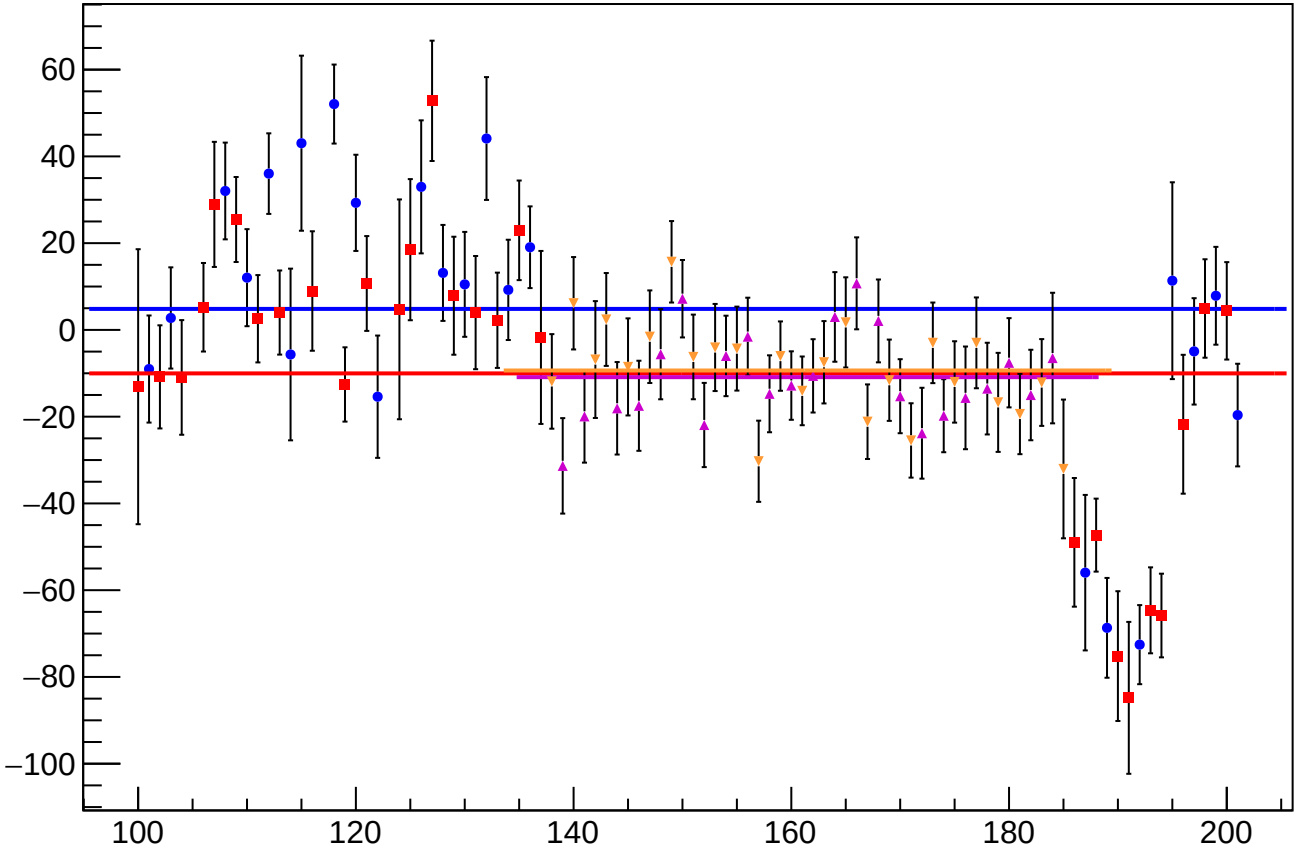
In: -0.186+/-0.188 χ^2/NDF:675.4/45

Out: 2.366+/-0.179 χ^2/NDF:1435.7/52

All: 1.155+/-0.130 χ^2/NDF: 2207.6/98


diff_bpm0l07Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
900
800
100
120
140
160
180
200
Right In: 980.328+/-0.198 χ²/NDF: 209180.1/22
Left Out: 1038.406+/-0.172 χ²/NDF:1706682.8/24
Right Out: 977.980+/-0.187 χ²/NDF: 211760.8/27
Left In: 1060.162+/-0.180 χ²/NDF:1523219.9/22
Left: 1048.767+/-0.124 χ²/NDF: 3237559.4/47
Right: 979.090+/-0.136 χ²/NDF: 421015.0/50
In: 1024.058+/-0.133 χ²/NDF:1821413.3/45
Out: 1010.864+/-0.127 χ²/NDF:1974975.0/52
All: 1017.126+/-0.092 χ²/NDF: 3801545.1/98

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: -10.023+/-2.273 χ^2/NDF: 200.0/27

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

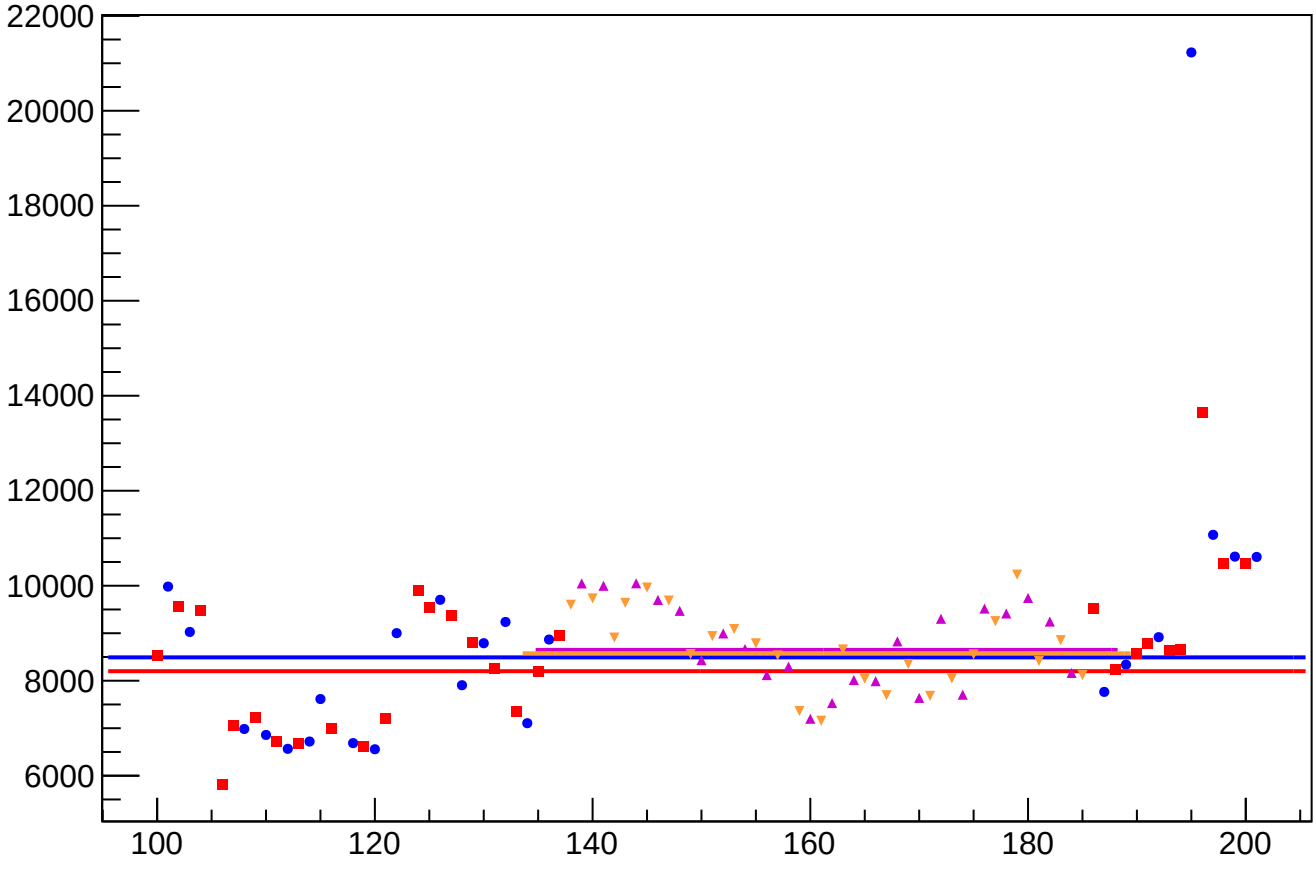
Right: -3.271+/-1.679 χ^2/NDF: 419.8/50

In: -4.568+/-1.580 χ^2/NDF:247.8/45

Out: -9.642+/-1.488 χ^2/NDF:228.5/52

All: -7.256+/-1.083 χ^2/NDF: 481.8/98

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: 8200.845+/-1.607 χ^2/NDF: 855962.1/27

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

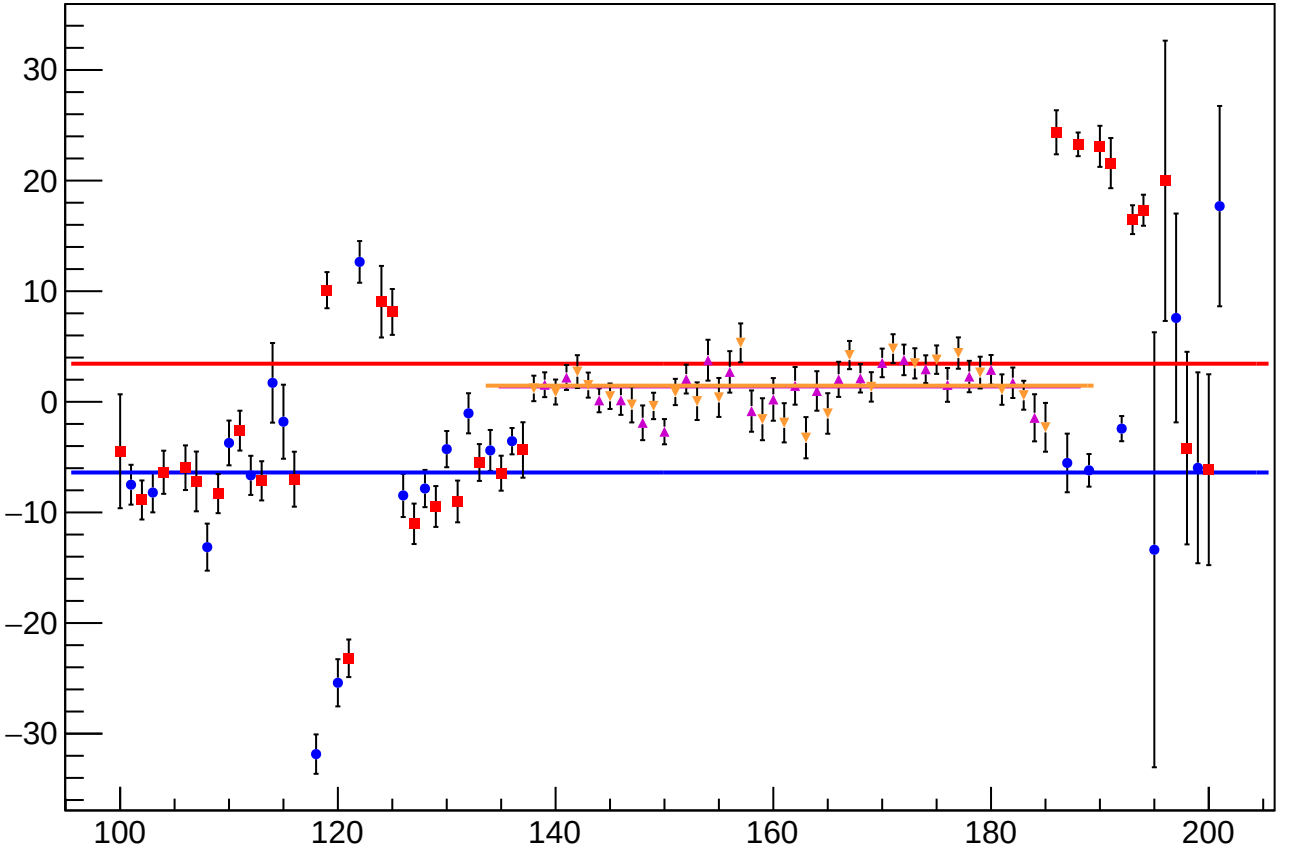
Right: 8332.922+/-1.187 χ^2/NDF: 2149579.3/50

In: 8585.891+/-1.117 χ^2/NDF:1661467.7/45

Out: 8416.521+/-1.052 χ^2/NDF:1231205.2/52

All: 8496.172+/-0.766 χ^2/NDF: 2904853.1/98

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: 3.446+/-0.360 χ^2/NDF: 1557.9/27

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

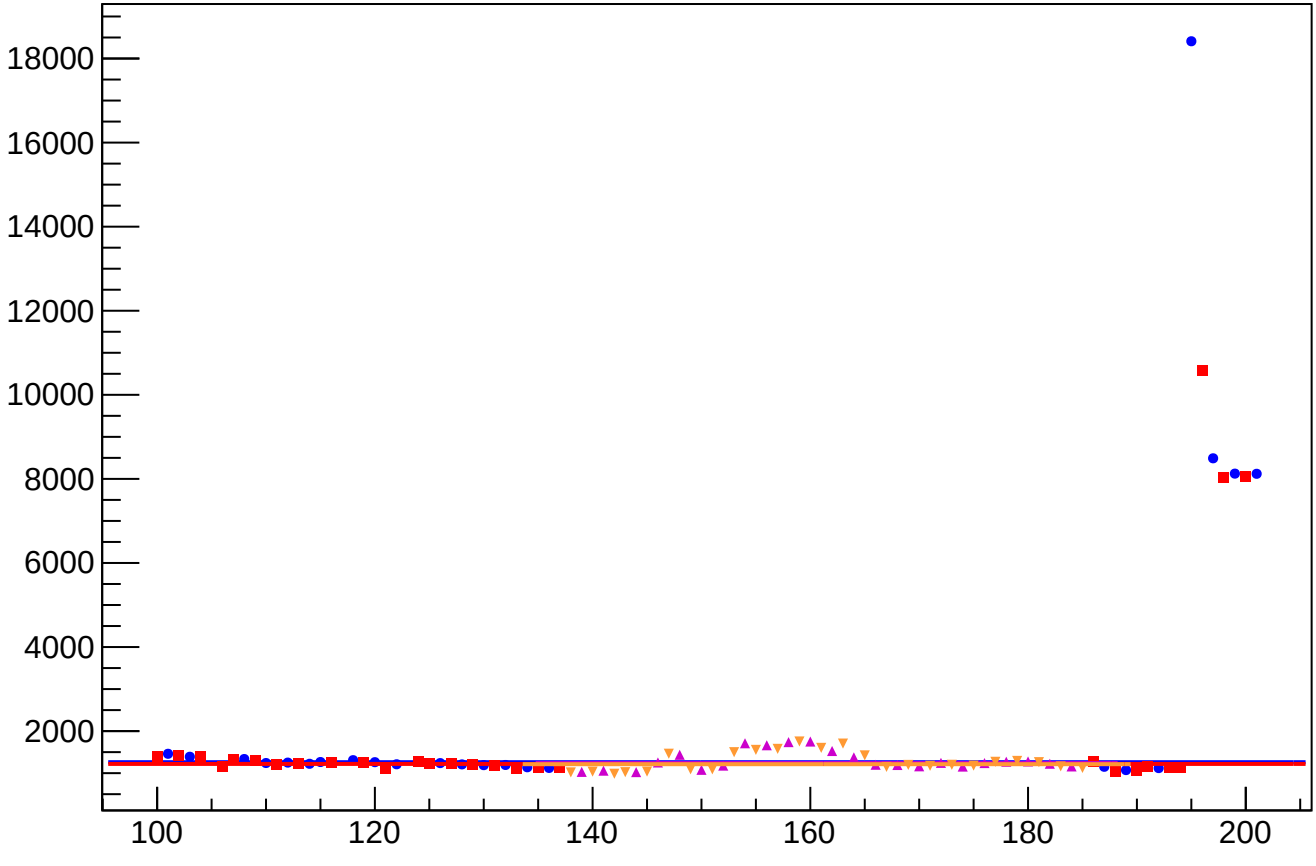
Right: -0.899+/-0.269 χ^2/NDF: 2333.8/50

In: -1.297+/-0.238 χ^2/NDF:723.7/45

Out: 2.210+/-0.221 χ^2/NDF:1627.9/52

All: 0.584+/-0.162 χ^2/NDF: 2468.0/98

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: 1219.658+/-0.255 χ^2/NDF: 3737712.4/27

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

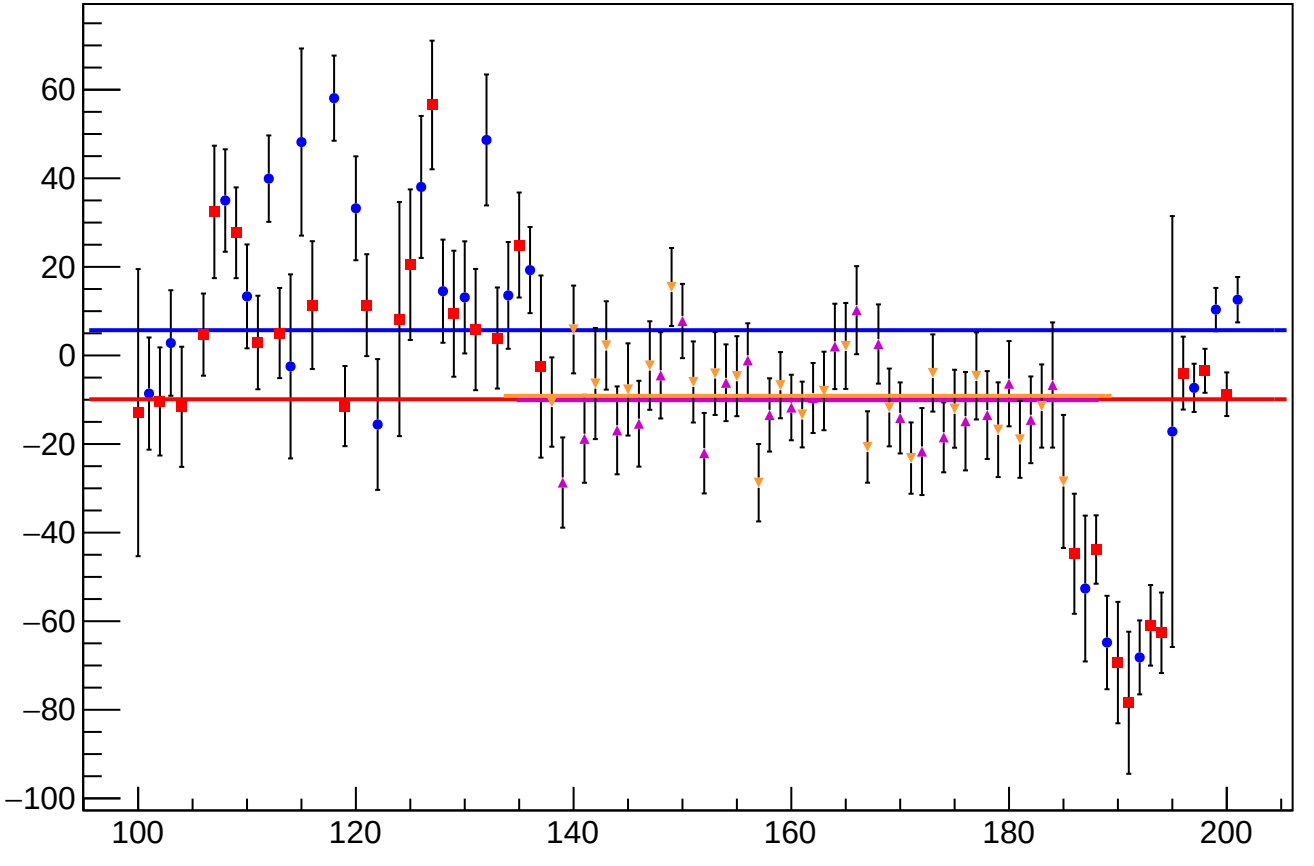
Right: 1237.721+/-0.190 χ^2/NDF: 9007802.8/50

In: 1246.556+/-0.168 χ^2/NDF:6147957.7/45

Out: 1215.675+/-0.157 χ^2/NDF:4750867.6/52

All: 1229.993+/-0.115 χ^2/NDF: 10916870.7/9

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: -9.893+/-1.920 χ^2/NDF: 201.6/27

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

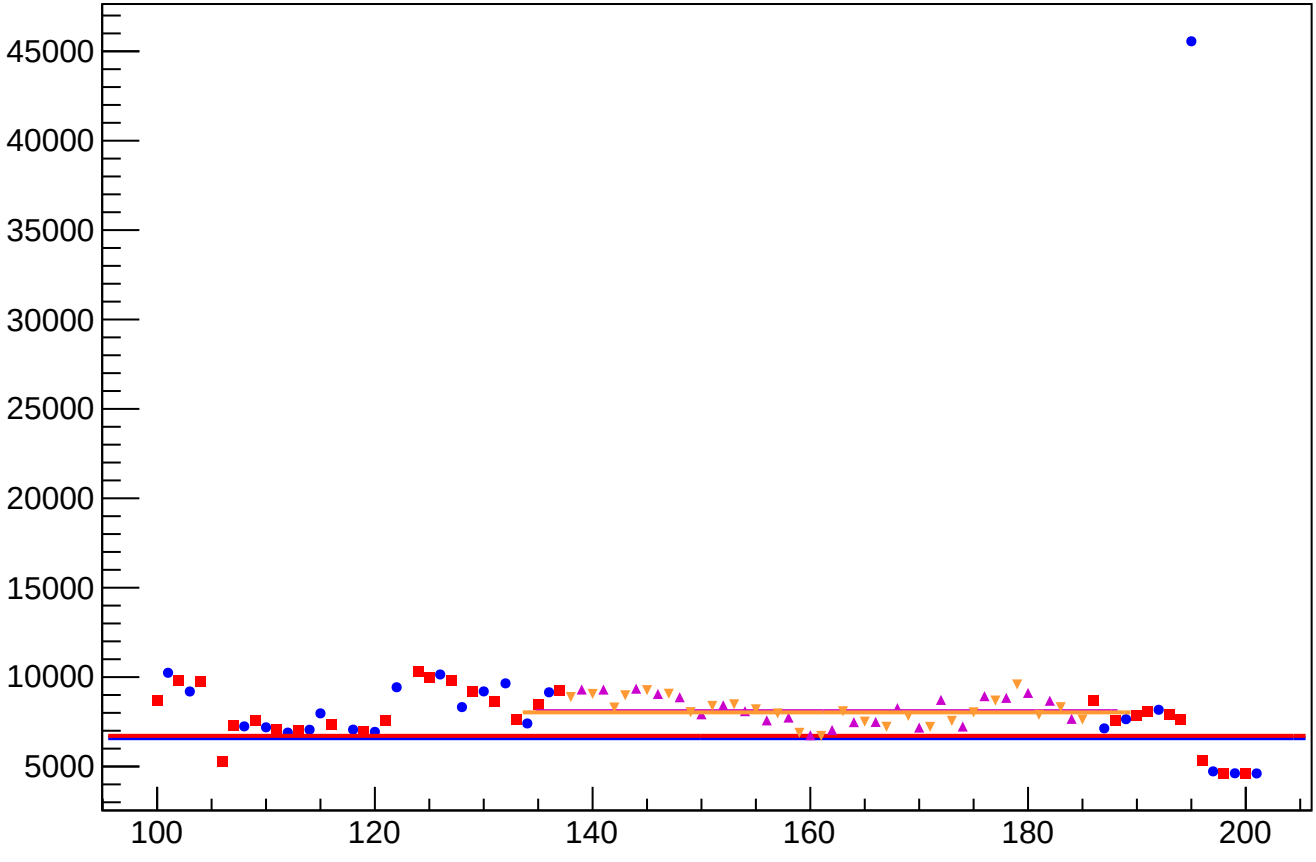
Right: -2.470+/-1.390 χ^2/NDF: 454.8/50

In: -2.613+/-1.387 χ^2/NDF:278.5/45

Out: -9.487+/-1.329 χ^2/NDF:230.4/52

All: -6.195+/-0.960 χ^2/NDF: 521.7/98

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: 6715.823+/-1.358 χ^2/NDF: 1650937.9/27

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

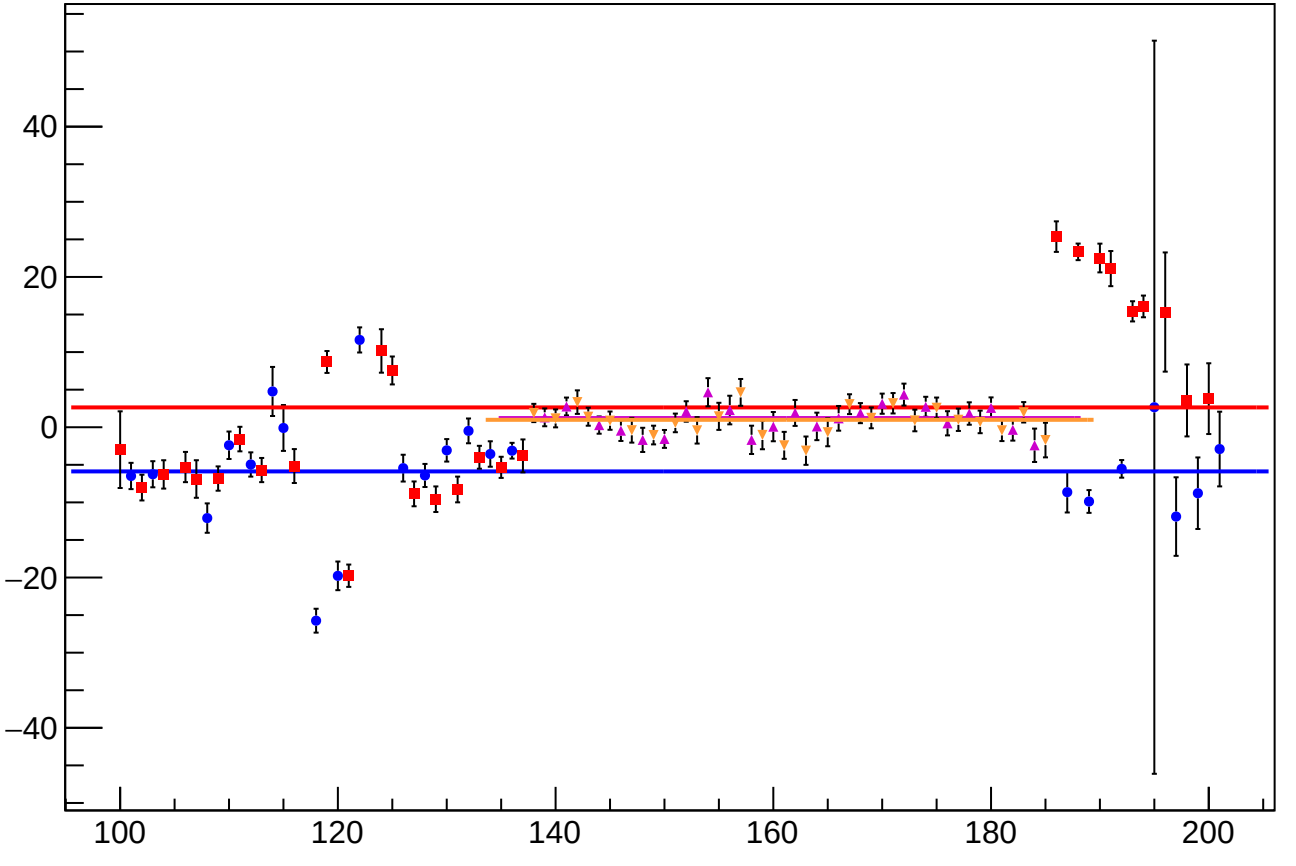
Right: 6652.796+/-0.983 χ^2/NDF: 4716417.9/50

In: 7379.253+/-0.981 χ^2/NDF:4021207.3/45

Out: 7399.050+/-0.940 χ^2/NDF:2469691.5/52

All: 7389.568+/-0.679 χ^2/NDF: 6491111.2/98

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: 2.638+/-0.341 χ^2/NDF: 1458.7/27

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

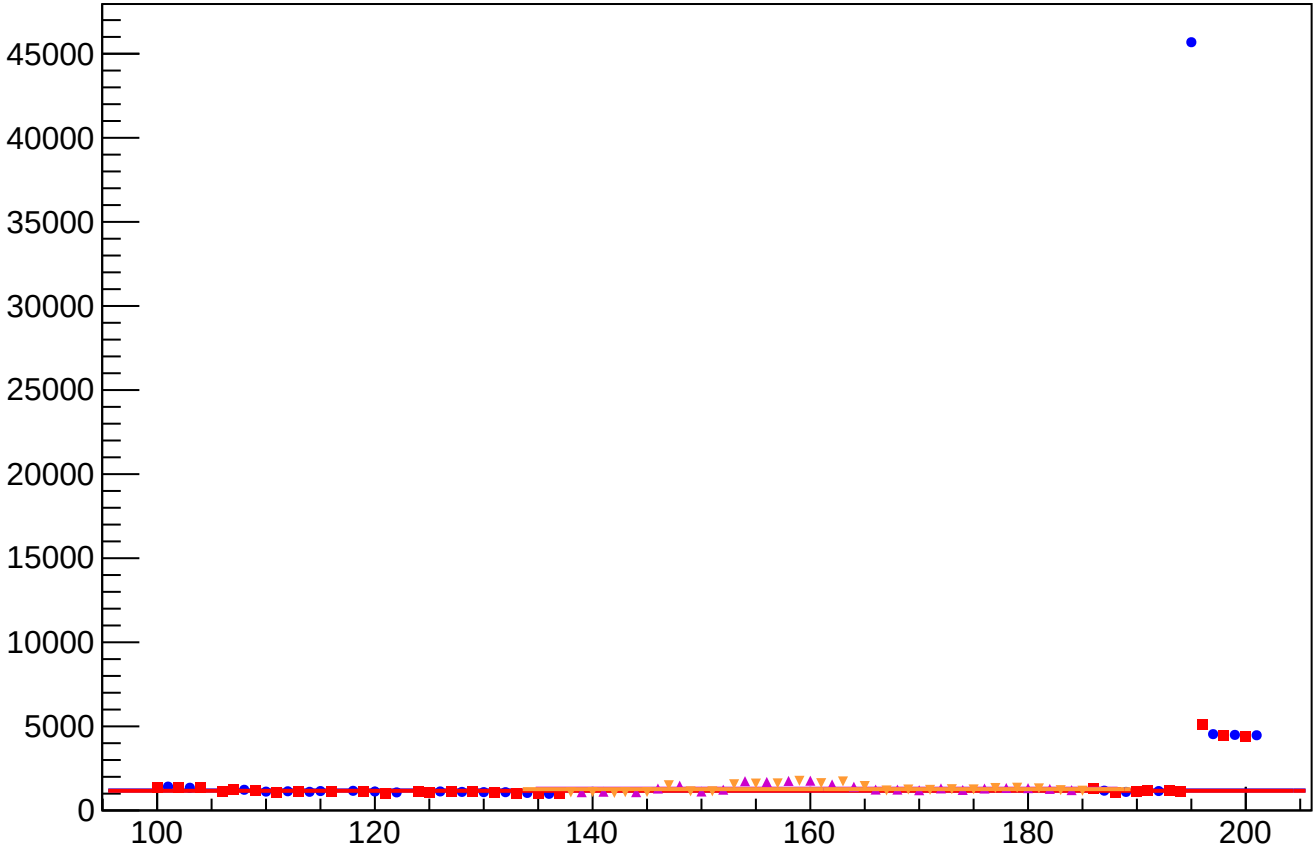
Right: -1.203+/-0.253 χ^2/NDF: 2120.8/50

In: -1.613+/-0.238 χ^2/NDF:627.8/45

Out: 1.687+/-0.222 χ^2/NDF:1503.2/52

All: 0.150+/-0.162 χ^2/NDF: 2234.0/98

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: 1168.866+/-0.241 χ^2/NDF: 2568154.1/27

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

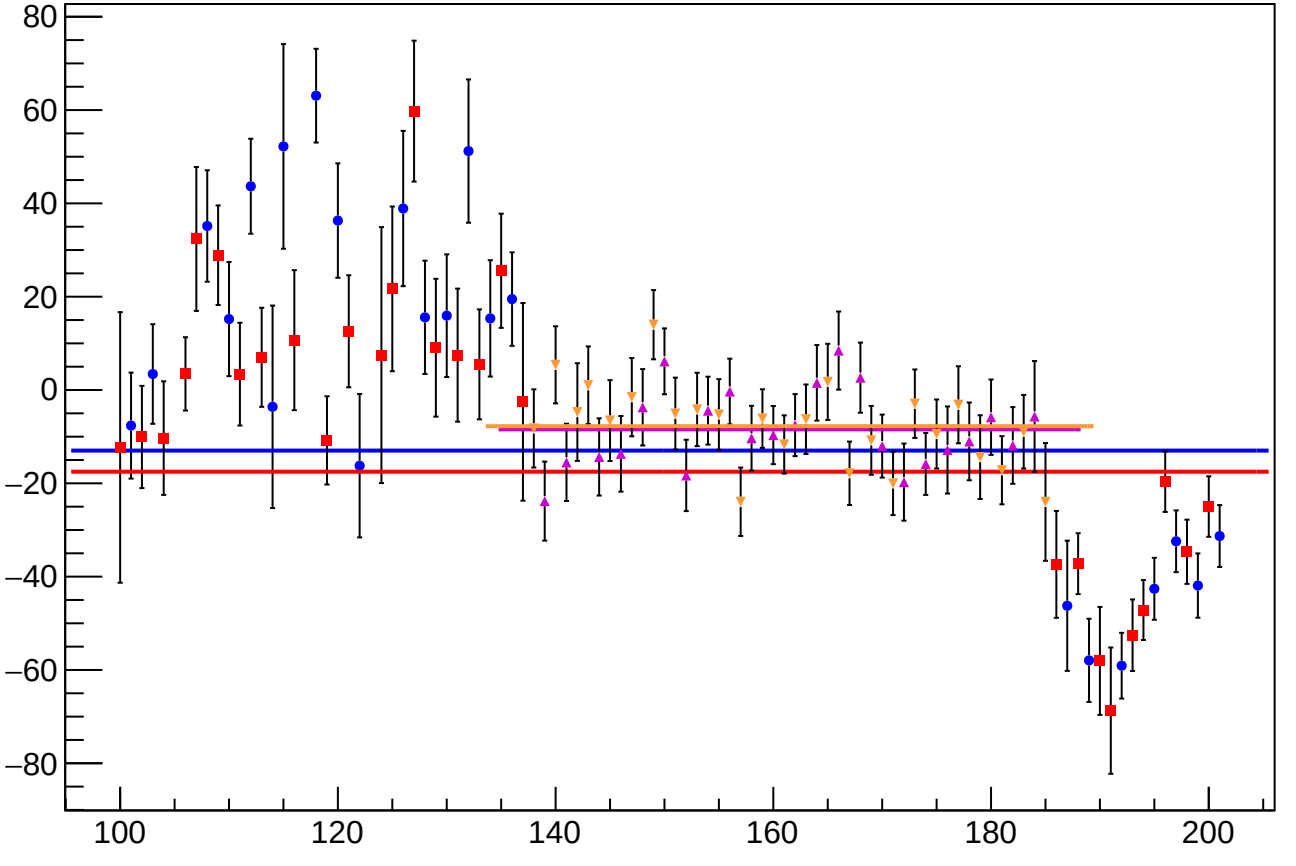
Right: 1178.423+/-0.179 χ^2/NDF: 7085131.5/50

In: 1252.559+/-0.168 χ^2/NDF:5363593.8/45

Out: 1225.664+/-0.157 χ^2/NDF:3542831.0/52

All: 1238.195+/-0.115 χ^2/NDF: 8920105.8/98

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: -17.509+/-1.912 χ^2/NDF: 200.1/27

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

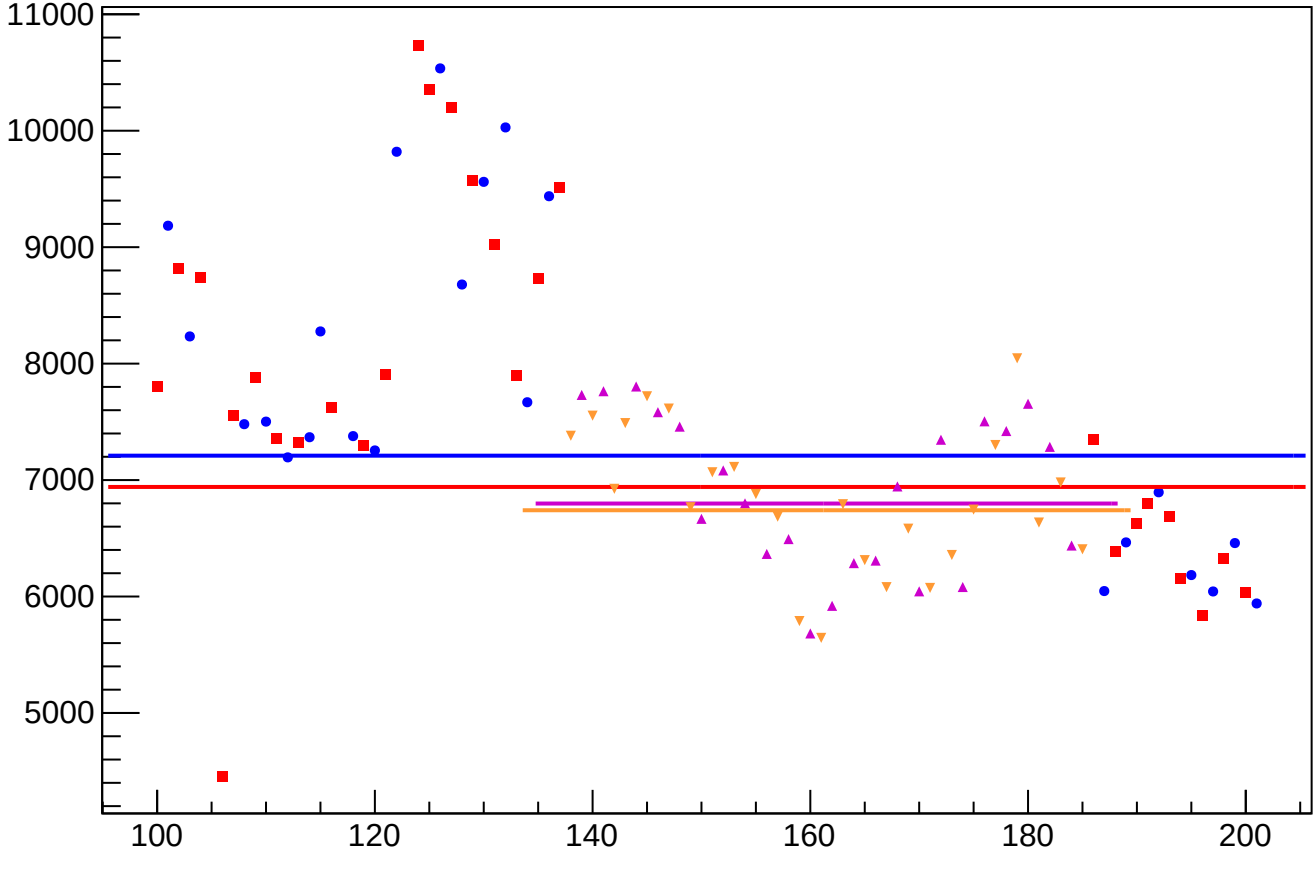
Right: -15.447+/-1.411 χ^2/NDF: 521.3/50

In: -10.123+/-1.273 χ^2/NDF:346.4/45

Out: -11.612+/-1.202 χ^2/NDF:246.2/52

All: -10.910+/-0.874 χ^2/NDF: 593.4/98

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: 6940.951+/-1.352 χ^2/NDF: 909520.1/27

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

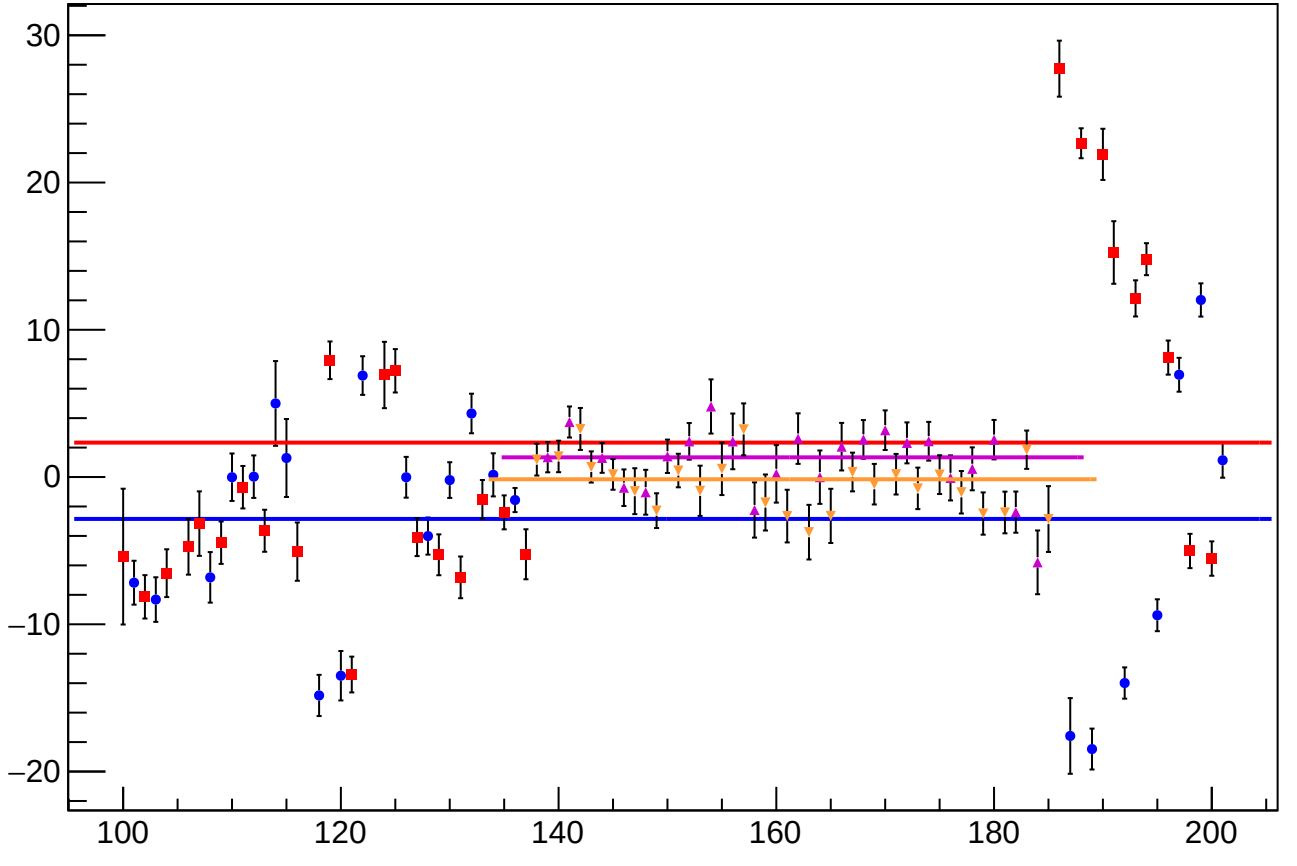
Right: 7063.299+/-0.998 χ^2/NDF: 1652265.7/50

In: 6950.938+/-0.900 χ^2/NDF:1126700.4/45

Out: 6819.999+/-0.850 χ^2/NDF:1239473.5/52

All: 6881.744+/-0.618 χ^2/NDF: 2377358.3/98

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: 2.338+/-0.269 χ^2/NDF: 1553.8/27

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

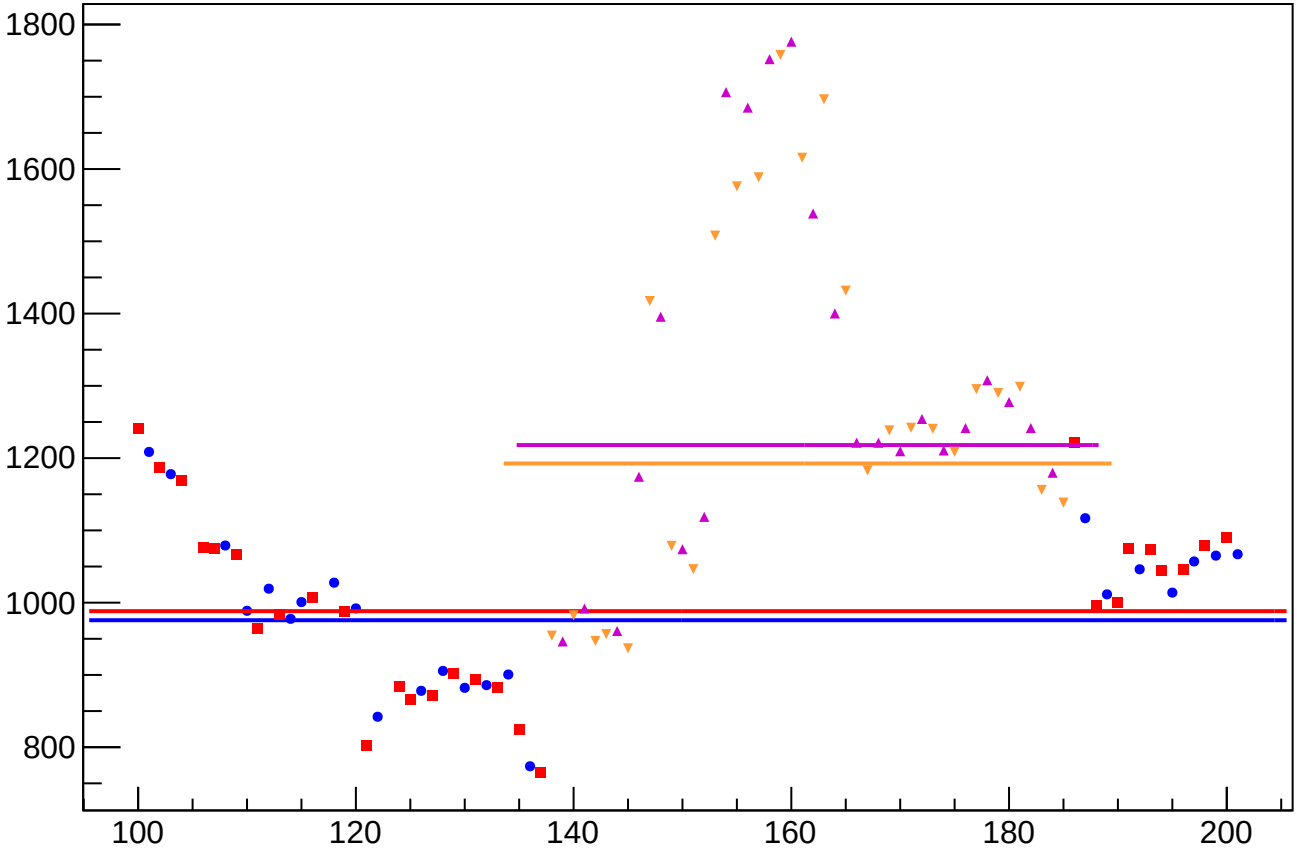
Right: -0.151+/-0.194 χ^2/NDF: 2553.6/50

In: -0.833+/-0.201 χ^2/NDF:972.8/45

Out: 1.130+/-0.193 χ^2/NDF:1631.6/52

All: 0.191+/-0.139 χ^2/NDF: 2654.0/98

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: 988.256+/-0.190 χ^2/NDF: 349233.6/27

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

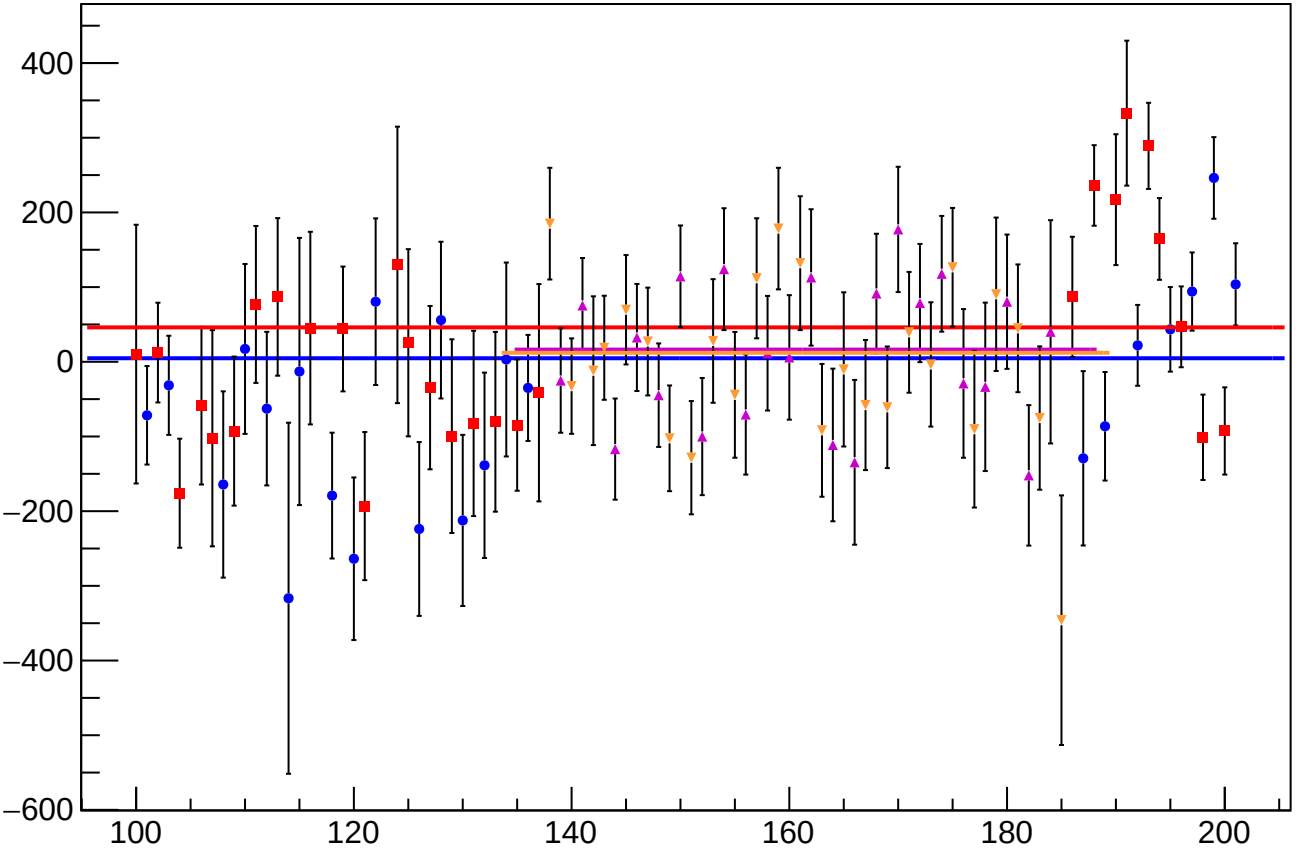
Right: 982.226+/-0.137 χ^2/NDF: 685765.4/50

In: 1092.332+/-0.142 χ^2/NDF:2186186.7/45

Out: 1087.380+/-0.136 χ^2/NDF:2230882.8/52

All: 1089.749+/-0.098 χ^2/NDF: 4417700.8/98

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: 46.086+/-15.762 χ^2/NDF: 86.3/27

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

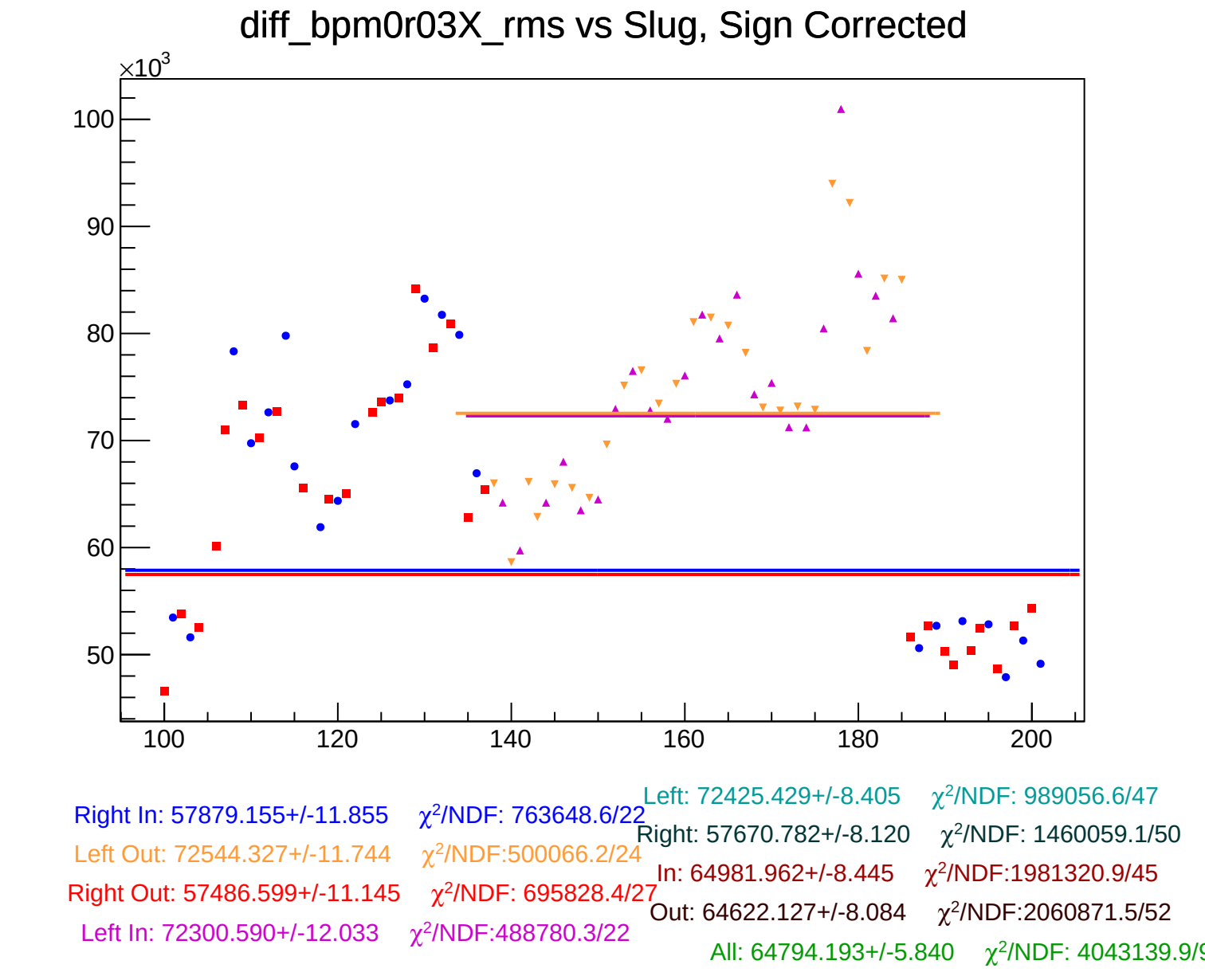
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 26.695+/-11.484 χ^2/NDF: 145.1/50

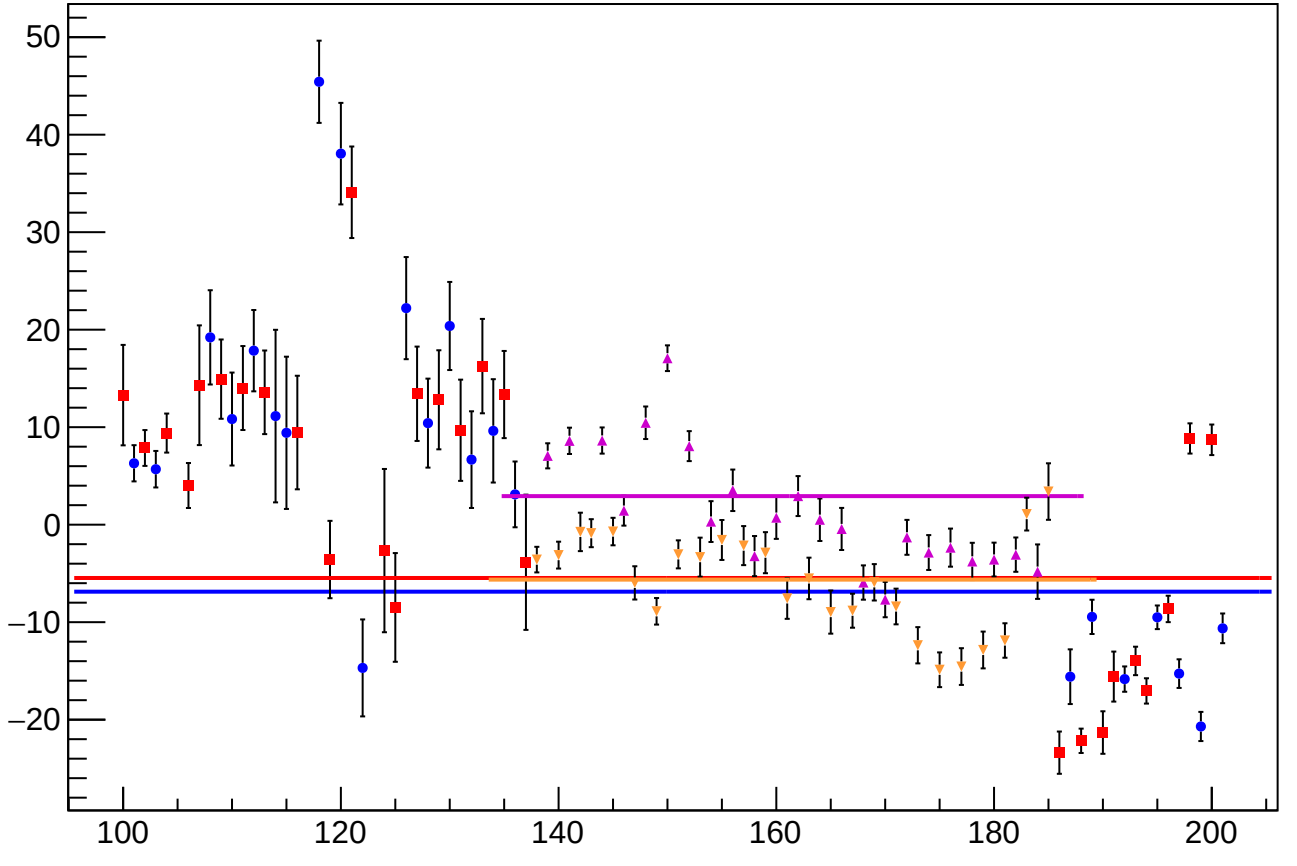
In: 10.461+/-11.943 χ^2/NDF:84.5/45

Out: 29.972+/-11.433 χ^2/NDF:121.3/52

All: 20.642+/-8.259 χ^2/NDF: 207.2/98


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: 57486.599+/-11.145 χ²/NDF: 695828.4/27
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 57670.782+/-8.120 χ²/NDF: 1460059.1/50
In: 64981.962+/-8.445 χ²/NDF:1981320.9/45
Out: 64622.127+/-8.084 χ²/NDF:2060871.5/52
All: 64794.193+/-5.840 χ²/NDF: 4043139.9/9

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: -5.468+/-0.446 χ^2/NDF: 968.4/27

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

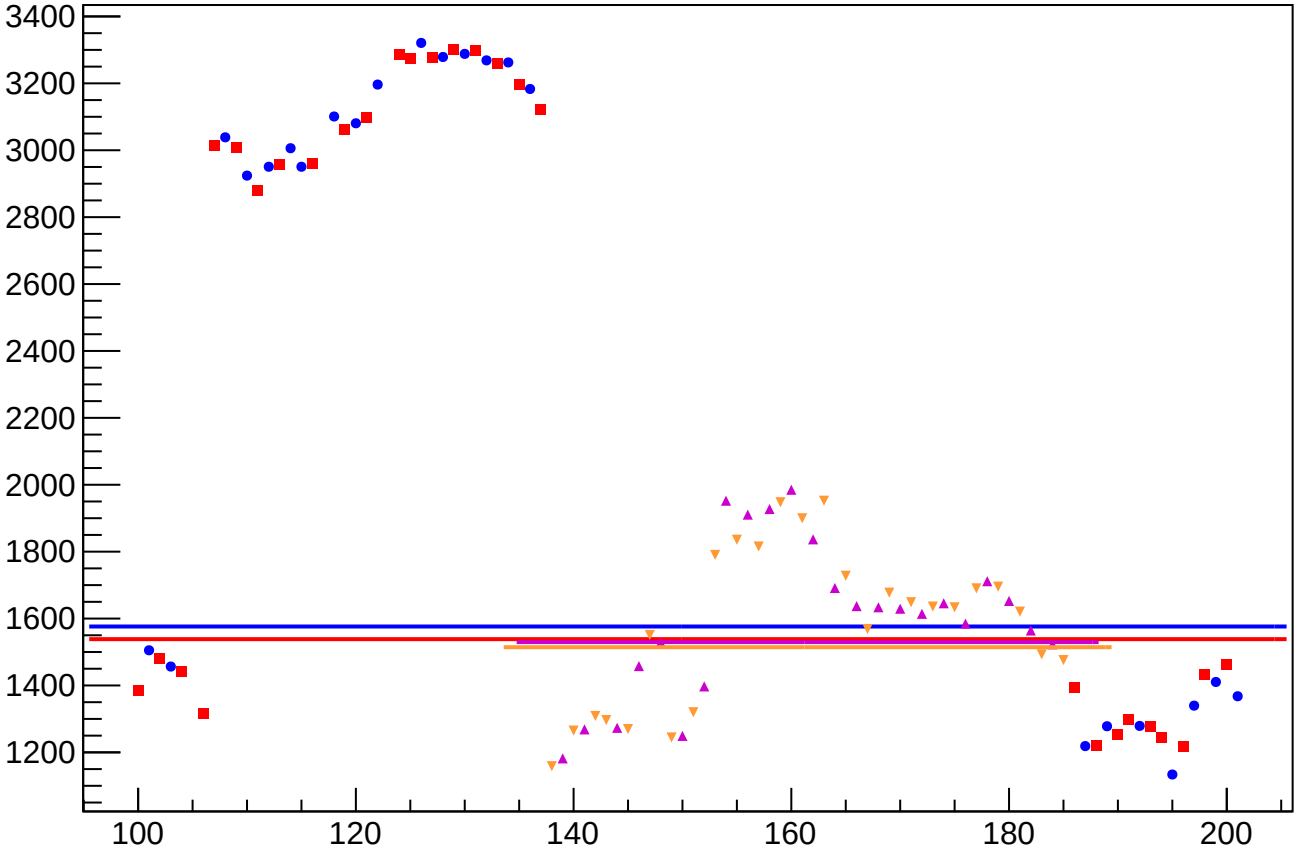
Right: -6.110+/-0.328 χ^2/NDF: 1681.5/50

In: -0.578+/-0.290 χ^2/NDF:1307.8/45

Out: -5.572+/-0.275 χ^2/NDF:1146.7/52

All: -3.212+/-0.200 χ^2/NDF: 2610.5/98

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: 1538.440+/-0.315 χ^2/NDF: 3576386.6/27

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

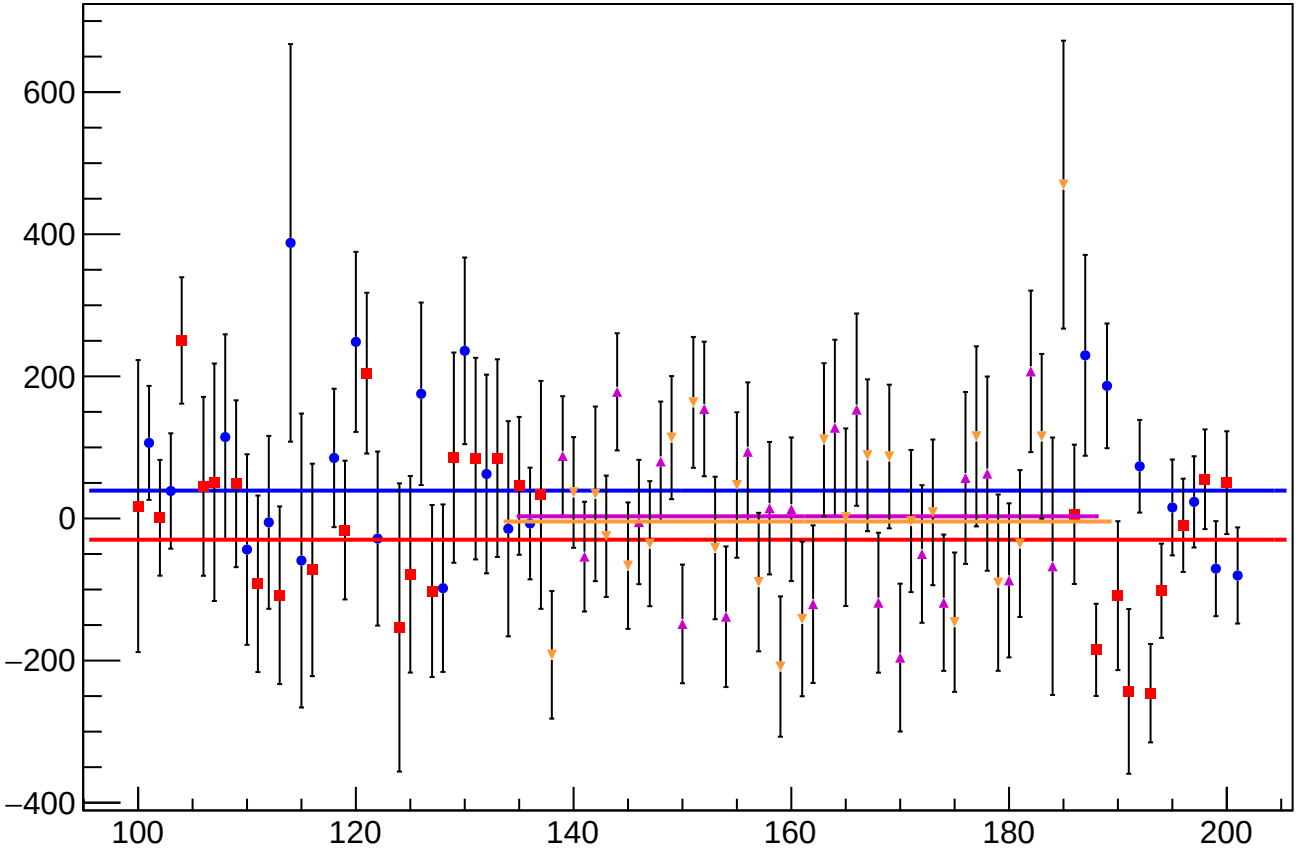
Right: 1555.740+/-0.232 χ^2/NDF: 7161333.2/50

In: 1546.315+/-0.205 χ^2/NDF:4418692.6/45

Out: 1523.496+/-0.194 χ^2/NDF:4513344.6/52

All: 1534.280+/-0.141 χ^2/NDF: 8938553.8/98

diff_bpm0r05X_mean vs Slug, Sign Corrected



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: -29.879+/-18.781 χ^2/NDF: 43.3/27

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

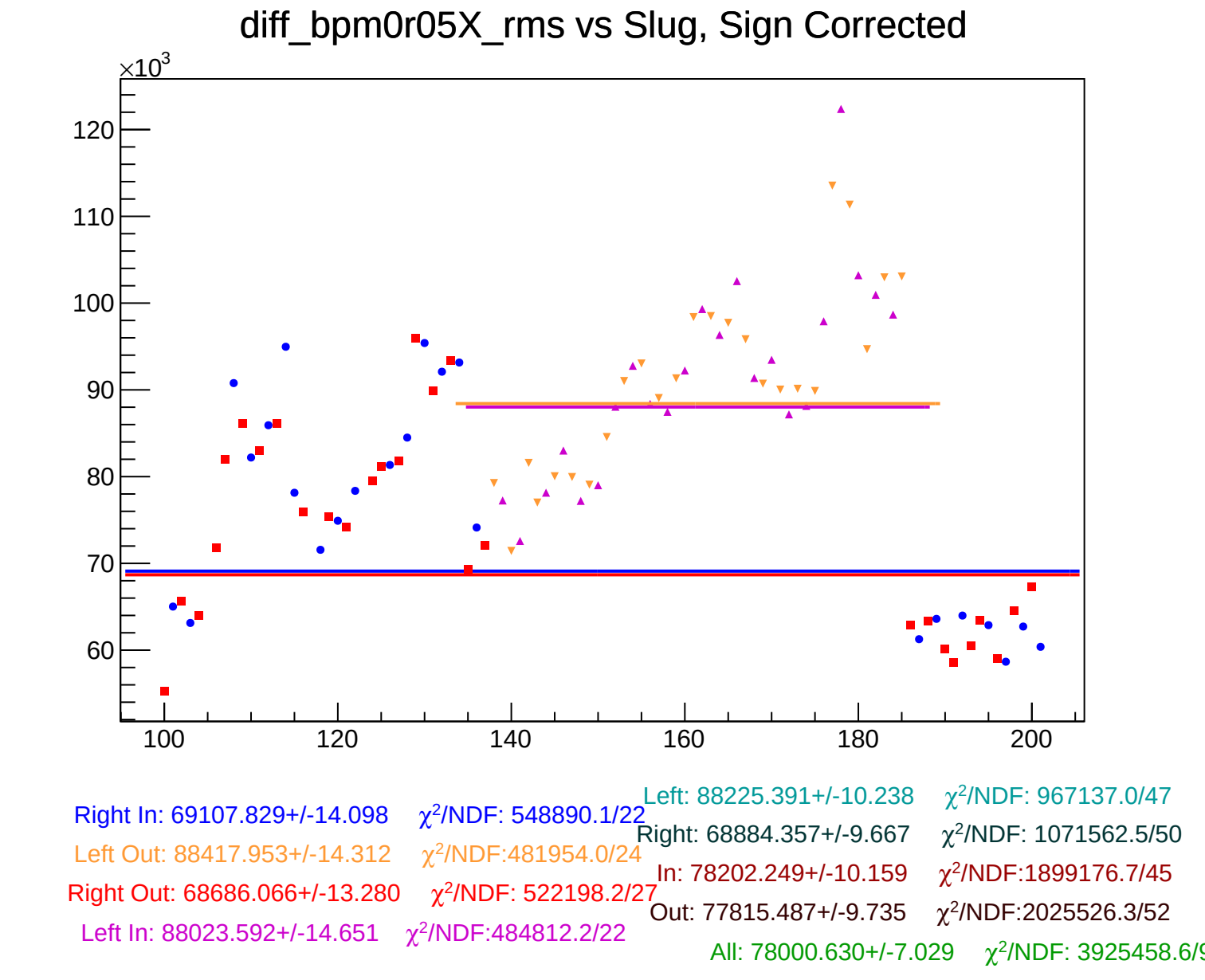
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 2.602+/-13.671 χ^2/NDF: 72.3/50

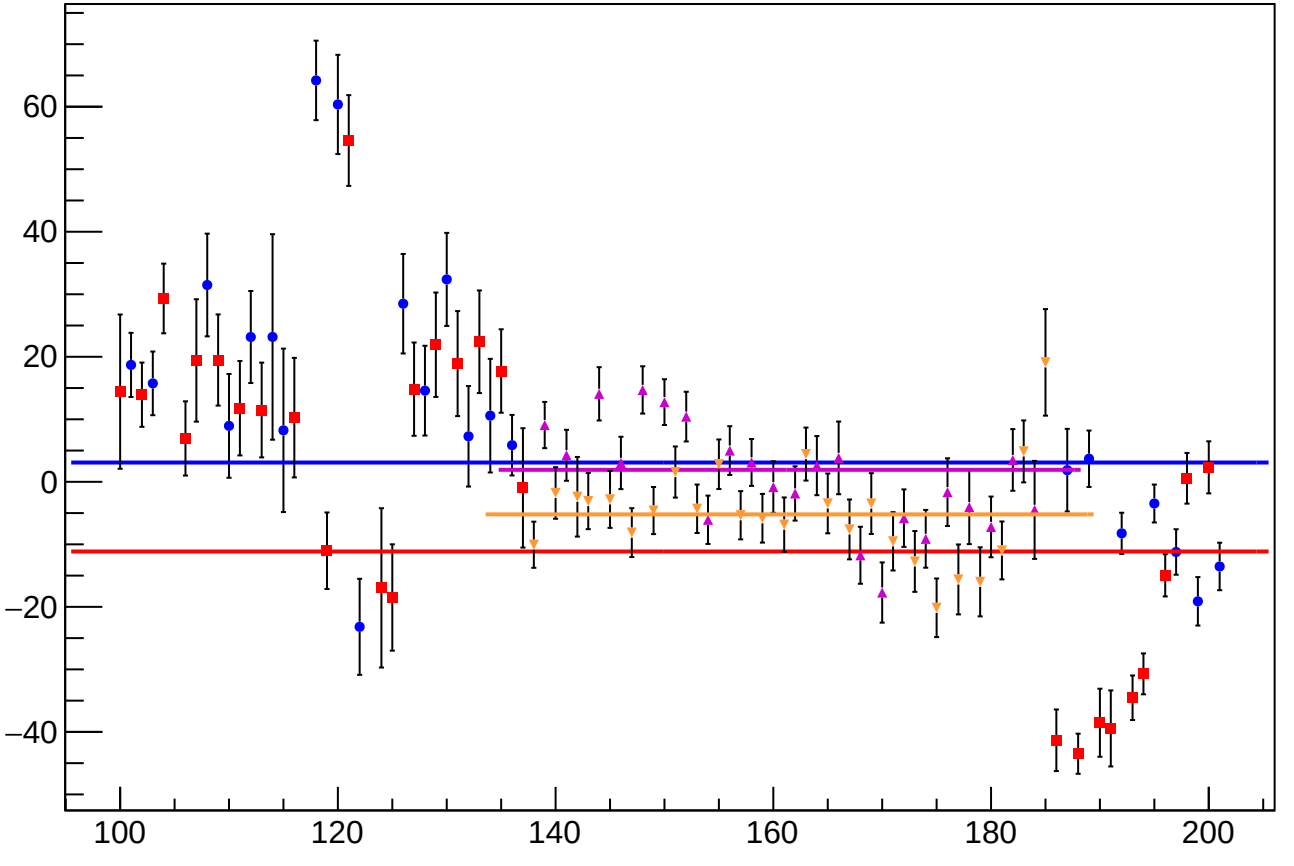
In: 21.807+/-14.367 χ^2/NDF:55.0/45

Out: -18.032+/-13.767 χ^2/NDF:74.6/52

All: 1.039+/-9.940 χ^2/NDF: 133.5/98


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 69107.829+/-14.098 χ²/NDF: 548890.1/22
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 68686.066+/-13.280 χ²/NDF: 522198.2/27
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 68884.357+/-9.667 χ²/NDF: 1071562.5/50
In: 78202.249+/-10.159 χ²/NDF:1899176.7/45
Out: 77815.487+/-9.735 χ²/NDF:2025526.3/52
All: 78000.630+/-7.029 χ²/NDF: 3925458.6/9

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: -11.144+/-1.043 χ^2/NDF: 586.1/27

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

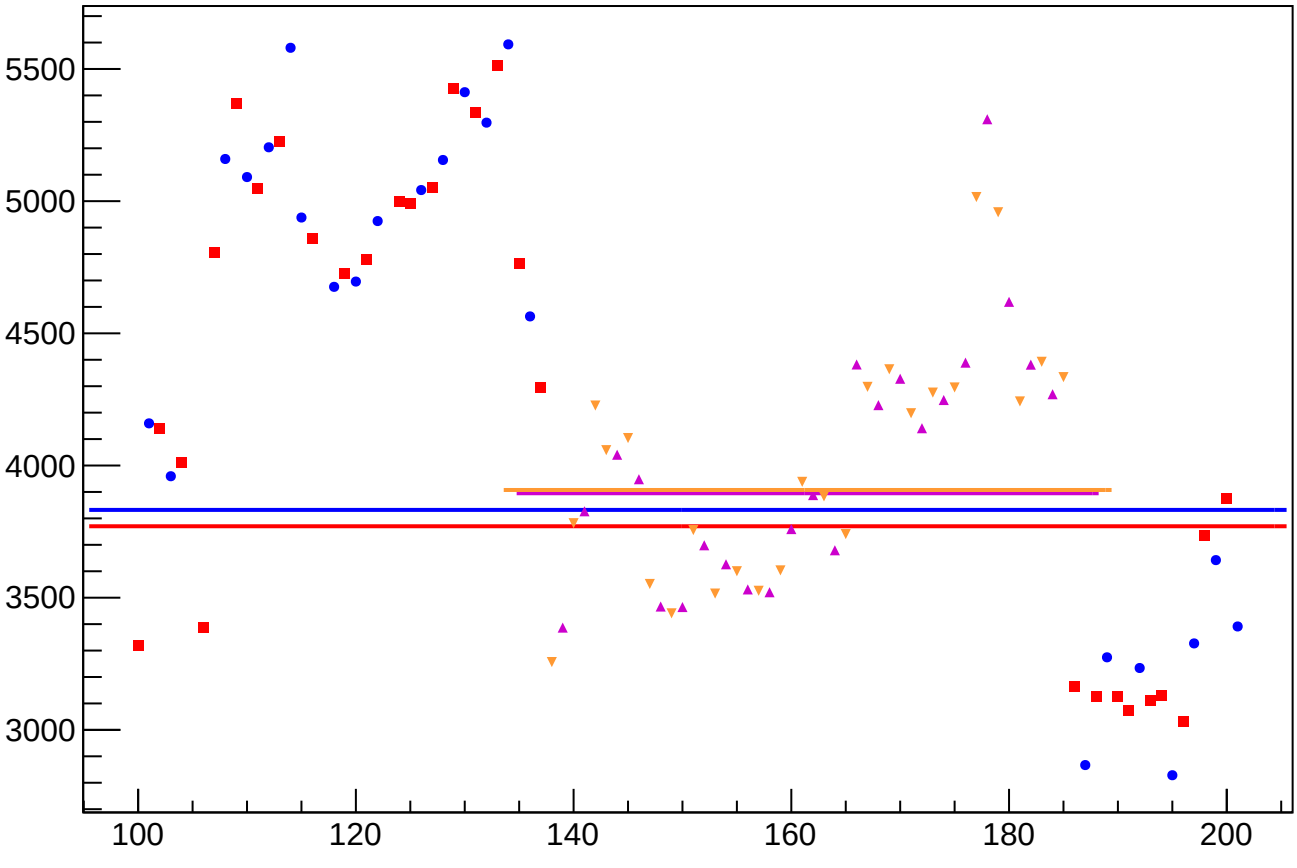
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -4.522+/-0.763 χ^2/NDF: 979.3/50

In: 2.391+/-0.709 χ^2/NDF:390.5/45

Out: -7.719+/-0.679 χ^2/NDF:655.8/52

All: -2.882+/-0.490 χ^2/NDF: 1152.4/98



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: 3770.221+/-0.738 χ^2/NDF: 1202350.1/27

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

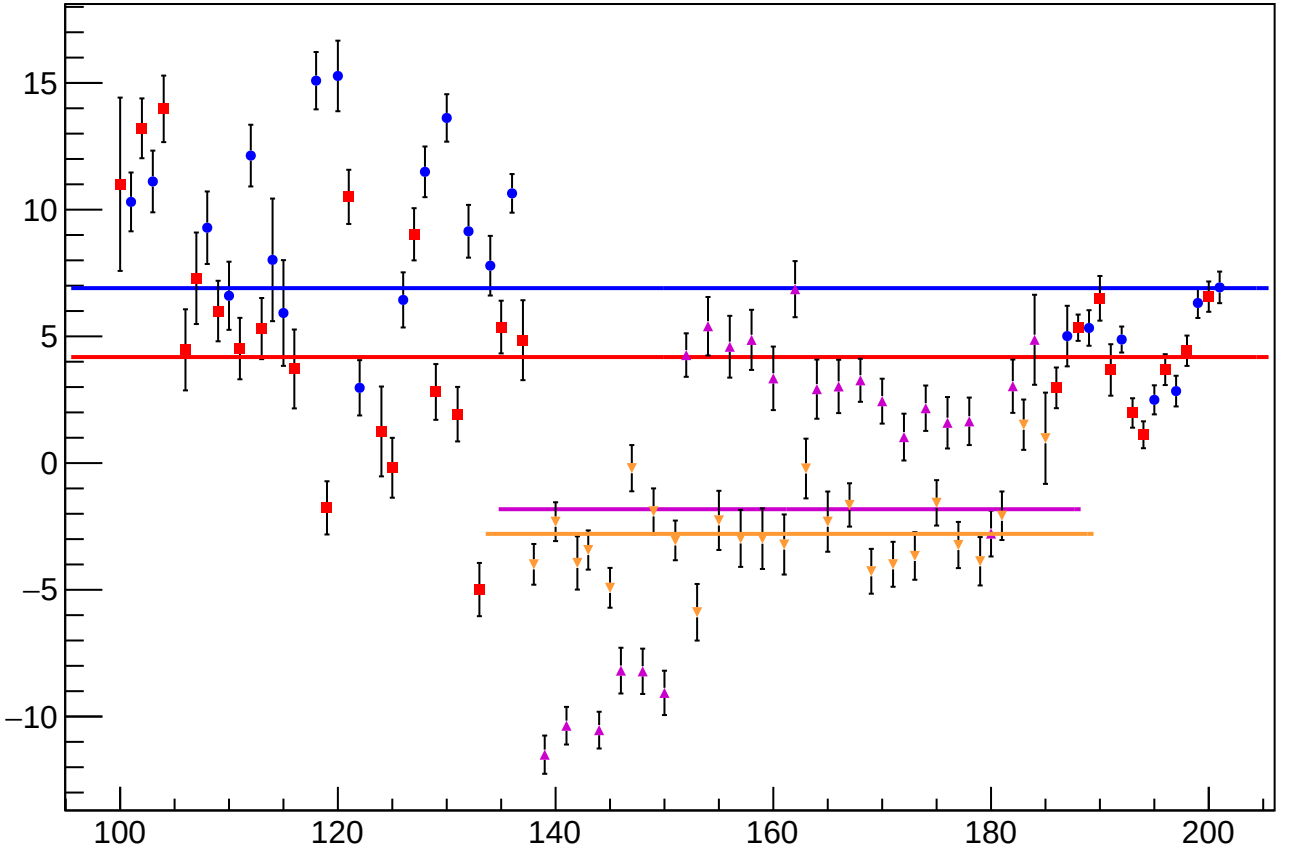
Right: 3799.011+/-0.540 χ^2/NDF: 2339298.2/50

In: 3869.802+/-0.501 χ^2/NDF:1547389.1/45

Out: 3849.382+/-0.480 χ^2/NDF:1663507.6/52

All: 3859.151+/-0.347 χ^2/NDF: 3211762.6/98

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: 4.184+/-0.170 χ^2/NDF: 392.7/27

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

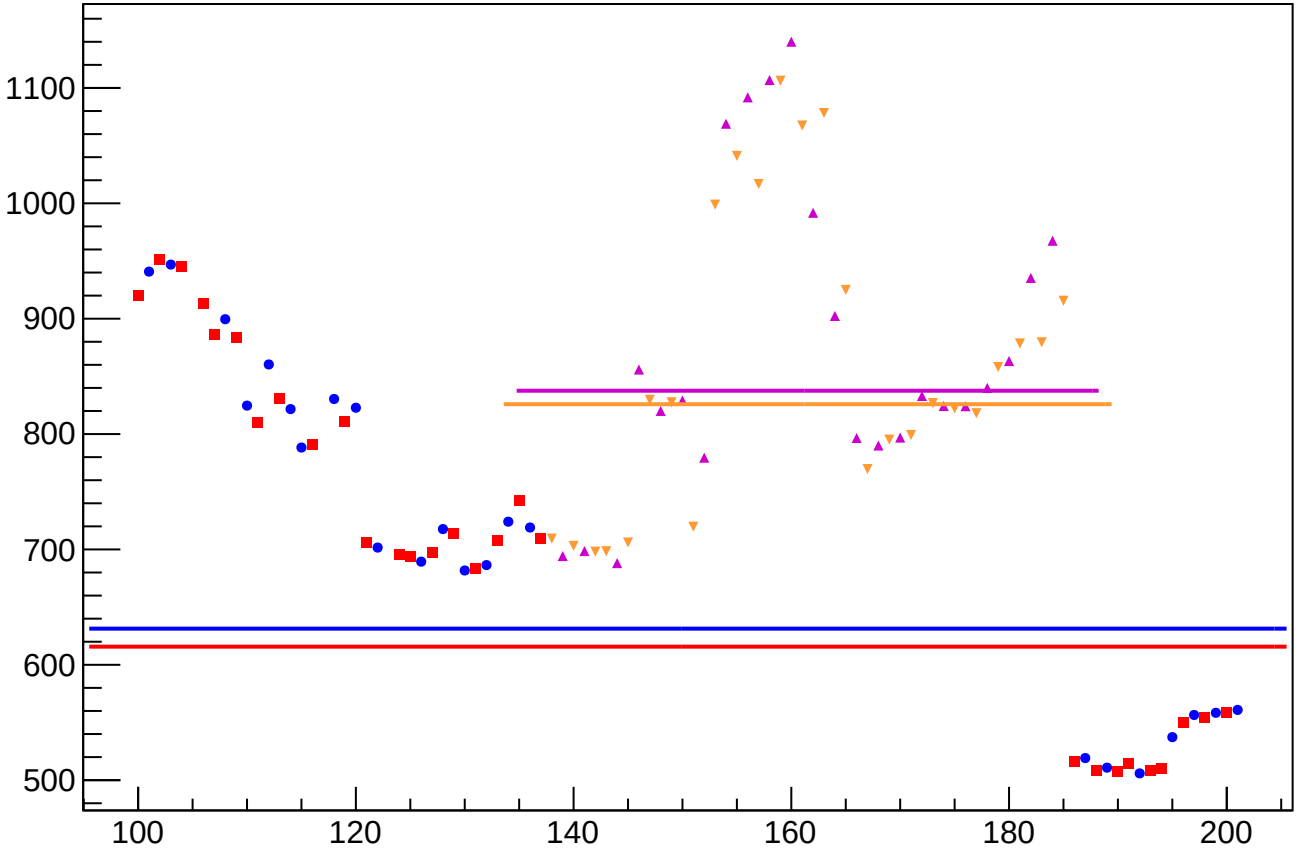
Right: 5.442+/-0.125 χ^2/NDF: 884.8/50

In: 2.880+/-0.135 χ^2/NDF:2444.0/45

Out: 1.082+/-0.127 χ^2/NDF:1209.4/52

All: 1.927+/-0.092 χ^2/NDF: 3747.9/98

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: 615.737+/-0.120 χ^2/NDF: 1220761.1/27

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

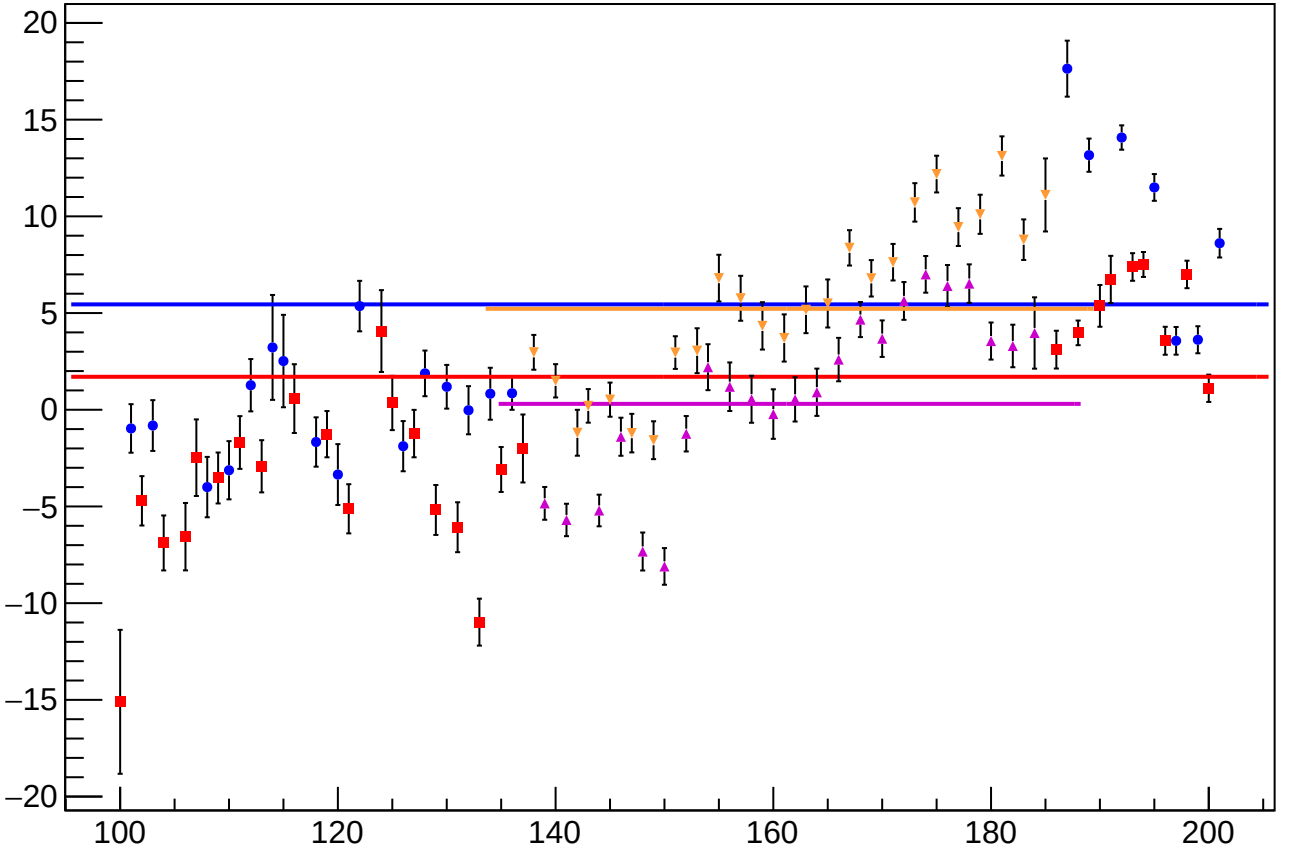
Right: 622.958+/-0.088 χ^2/NDF: 2226644.0/50

In: 726.462+/-0.095 χ^2/NDF:2879133.0/45

Out: 709.169+/-0.090 χ^2/NDF:3343637.0/52

All: 717.297+/-0.065 χ^2/NDF: 6240272.3/98

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: 1.705+/-0.201 χ^2/NDF: 632.3/27

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

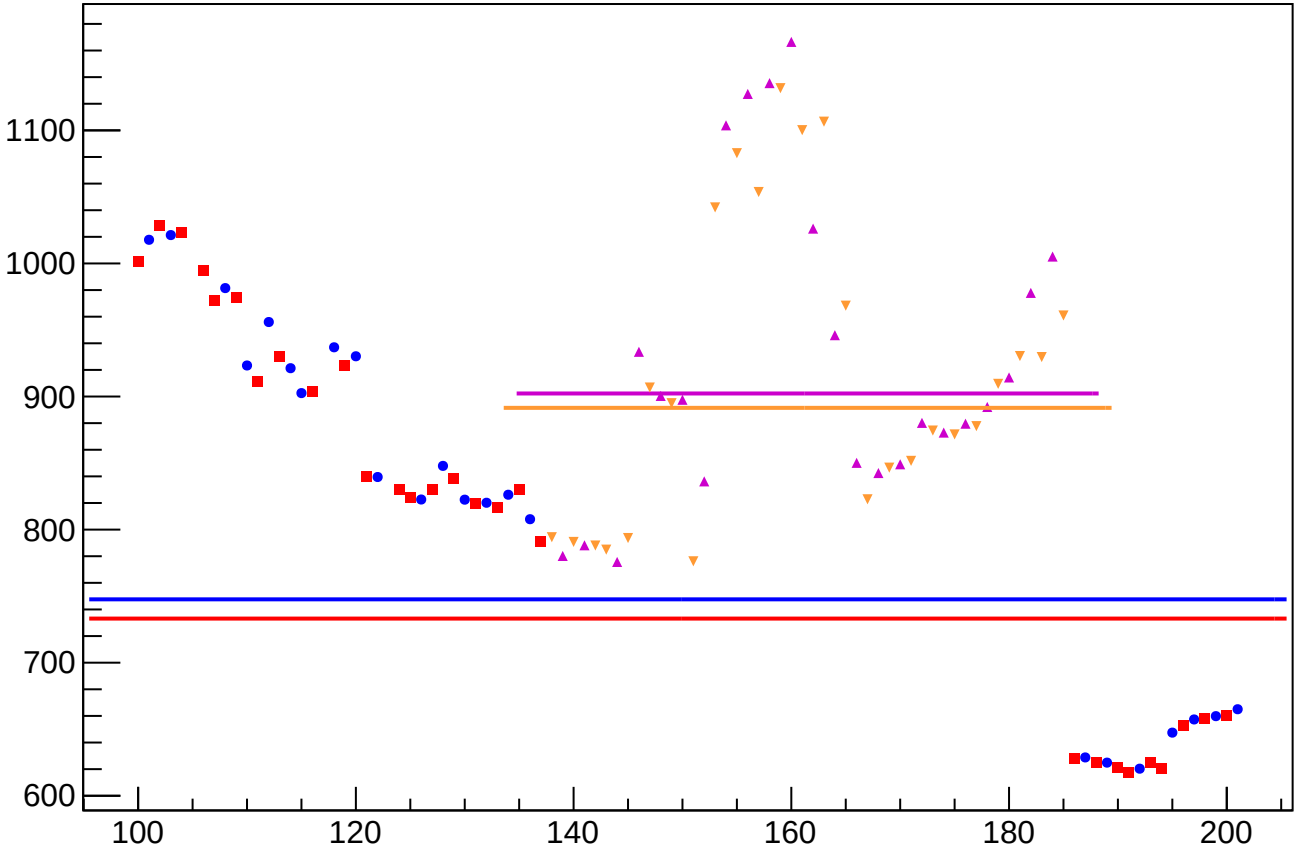
Right: 3.445+/-0.147 χ^2/NDF: 1548.5/50

In: 2.838+/-0.151 χ^2/NDF:1538.6/45

Out: 3.434+/-0.143 χ^2/NDF:1232.4/52

All: 3.153+/-0.104 χ^2/NDF: 2779.2/98

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: 733.144+/-0.142 χ^2/NDF: 871472.6/27

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

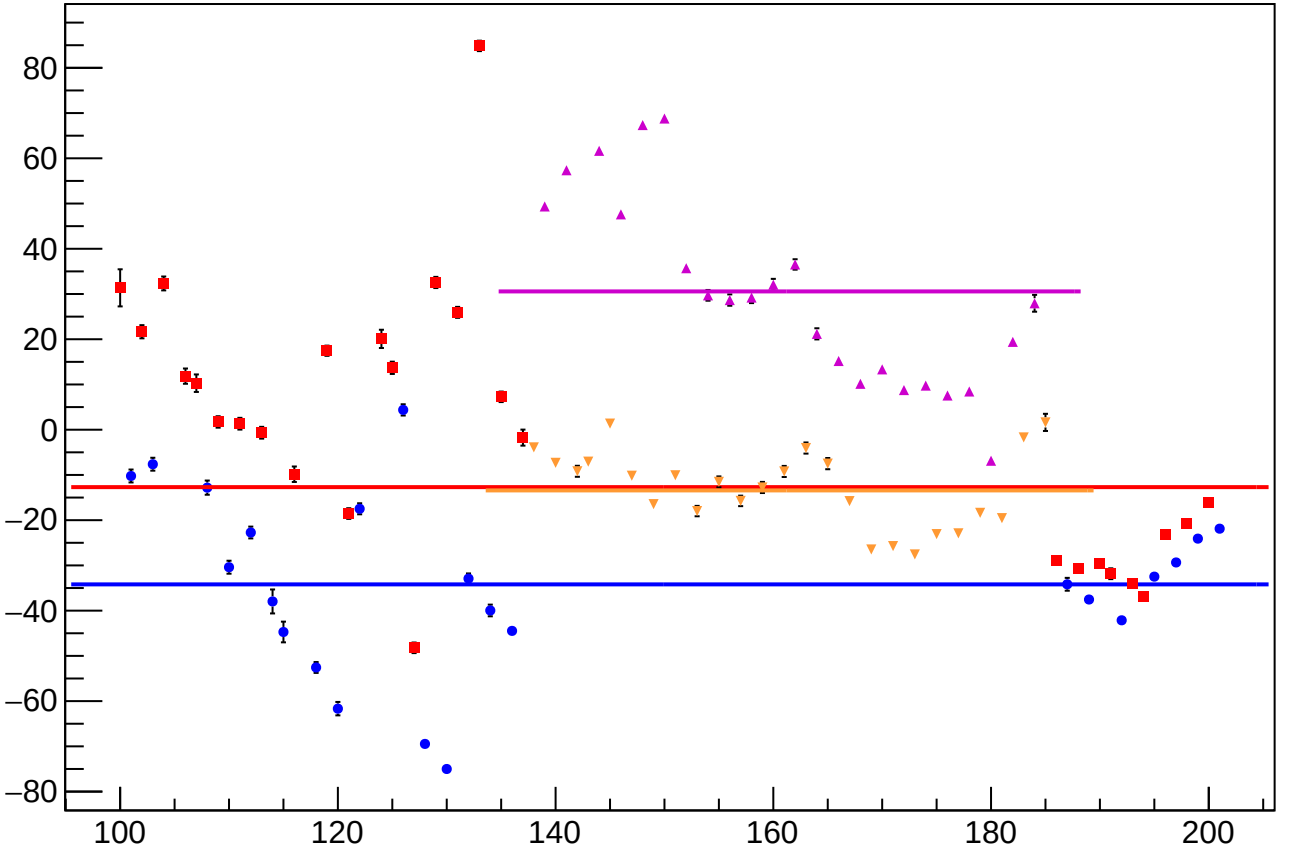
Right: 739.863+/-0.104 χ^2/NDF: 1592779.8/50

In: 826.098+/-0.107 χ^2/NDF:1722695.0/45

Out: 811.072+/-0.101 χ^2/NDF:1999042.5/52

All: 818.172+/-0.074 χ^2/NDF: 3732117.8/98

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: -12.694+/-0.197 χ^2/NDF: 18765.8/27

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

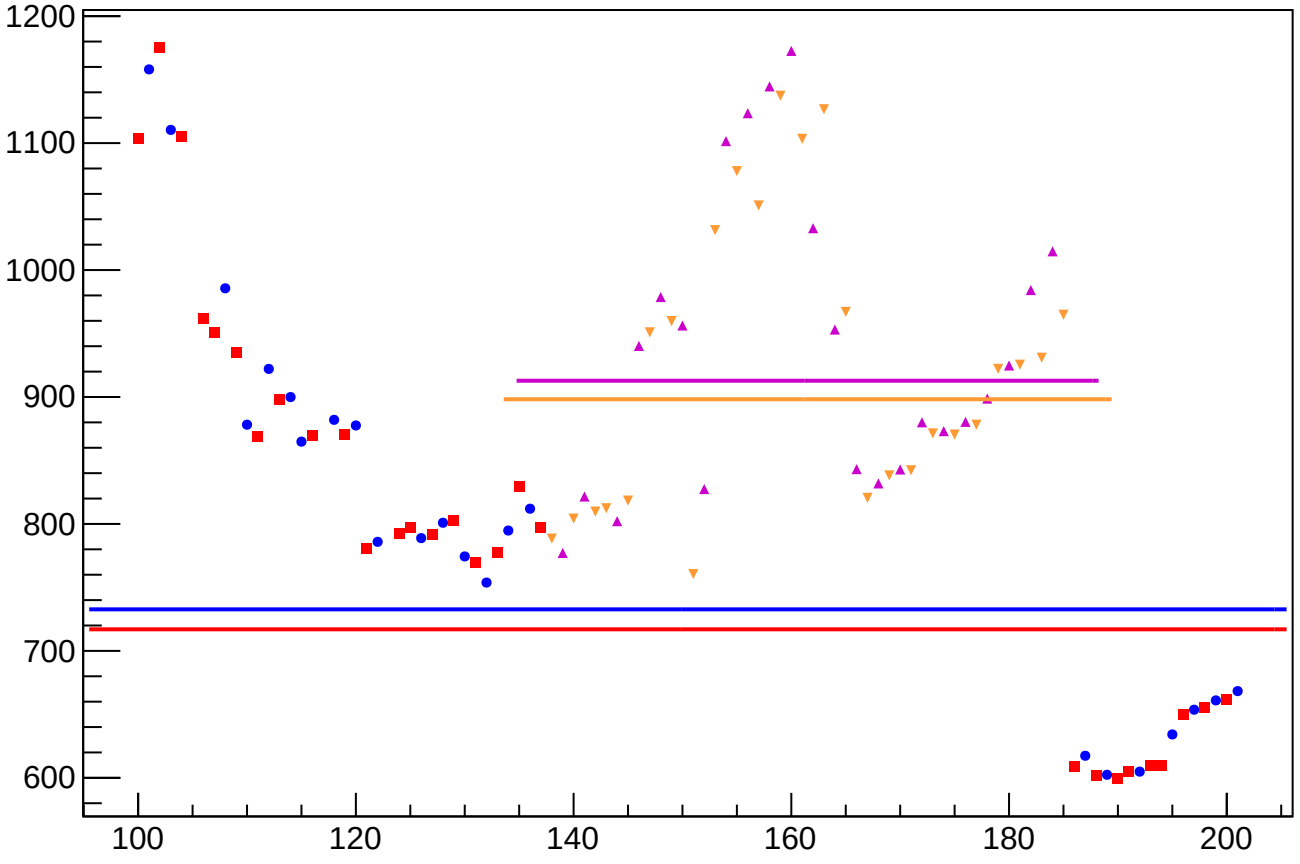
Right: -22.663+/-0.144 χ^2/NDF: 30289.0/50

In: -2.315+/-0.151 χ^2/NDF:62387.7/45

Out: -13.041+/-0.142 χ^2/NDF:20435.6/52

All: -7.992+/-0.104 χ^2/NDF: 85495.4/98

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: 716.993+/-0.139 χ^2/NDF: 948169.8/27

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

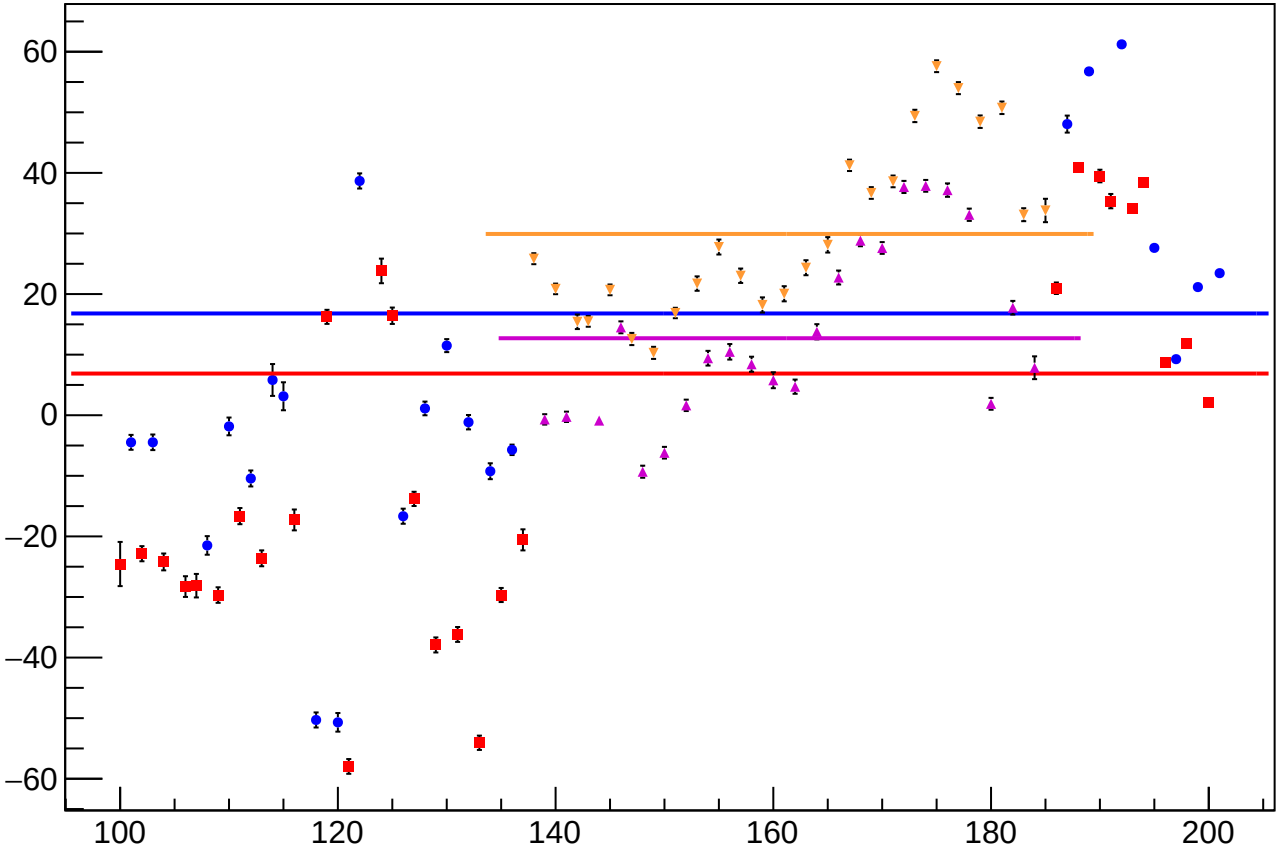
Right: 724.288+/-0.102 χ^2/NDF: 1744170.2/50

In: 821.371+/-0.107 χ^2/NDF:1981495.8/45

Out: 803.583+/-0.101 χ^2/NDF:2275315.7/52

All: 811.955+/-0.073 χ^2/NDF: 4271509.5/98

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: 6.880+/-0.195 χ^2/NDF: 22603.4/27

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

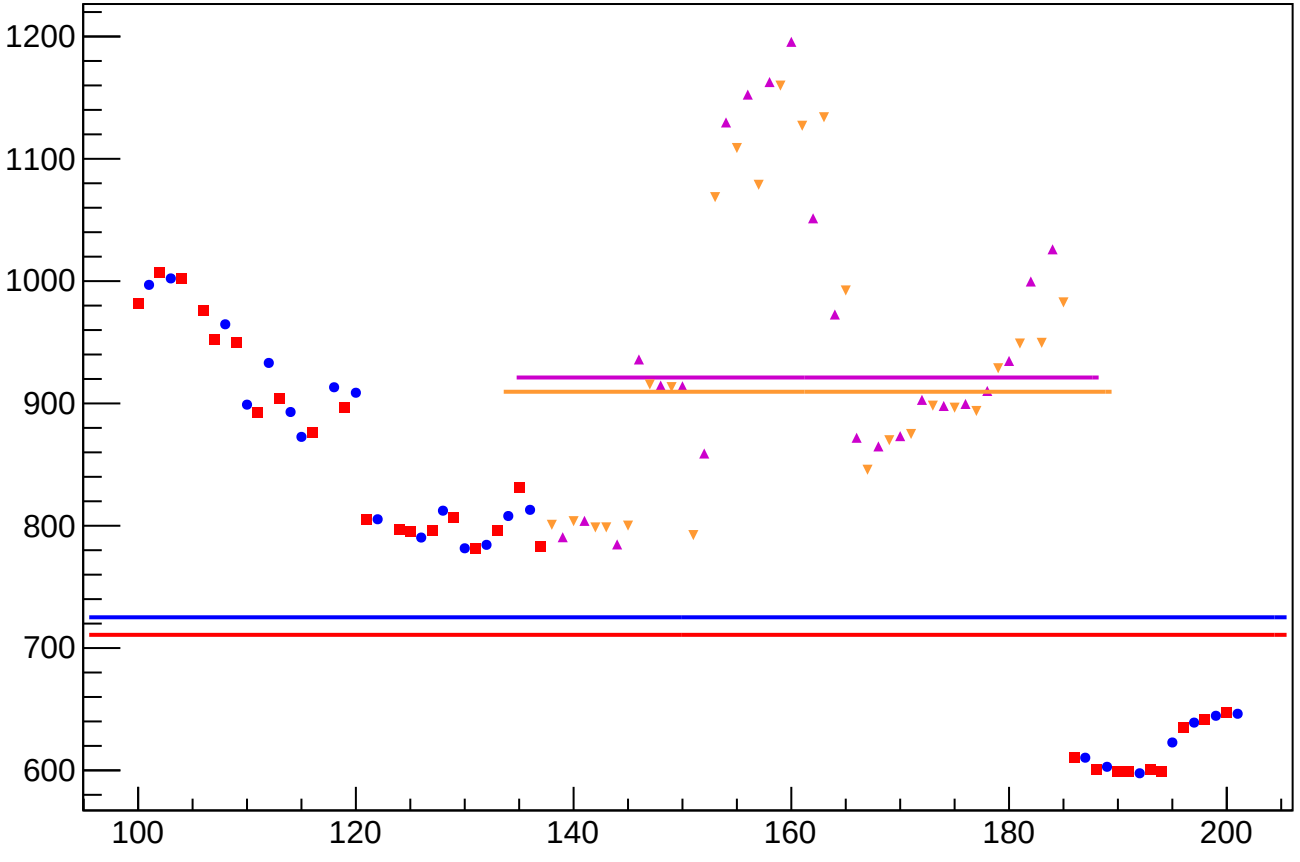
Right: 11.487+/-0.143 χ^2/NDF: 41724.8/50

In: 14.826+/-0.151 χ^2/NDF:22896.0/45

Out: 17.634+/-0.142 χ^2/NDF:33693.1/52

All: 16.309+/-0.104 χ^2/NDF: 56772.4/98

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: 710.802+/-0.138 χ^2/NDF: 901957.1/27

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

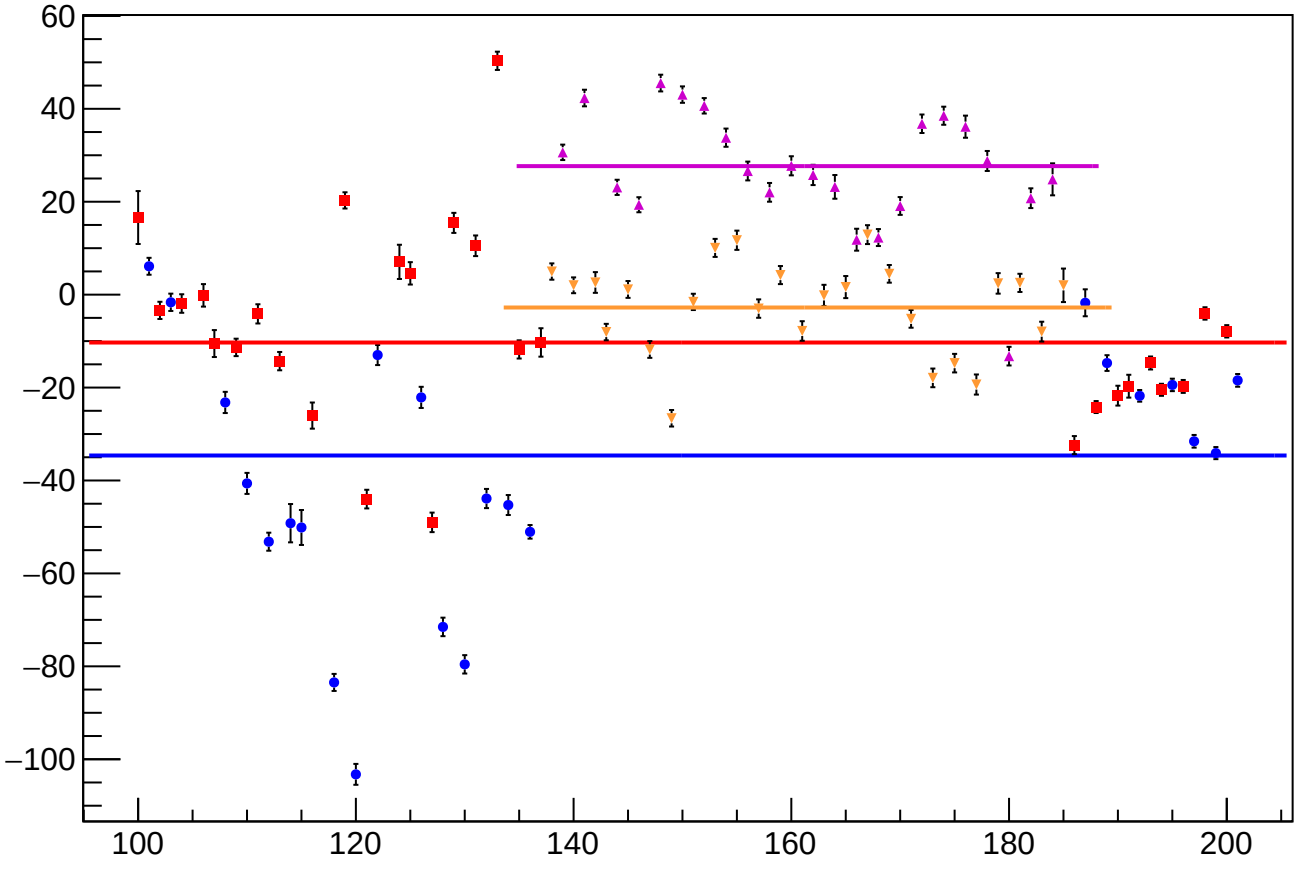
Right: 717.467+/-0.101 χ^2/NDF: 1654612.1/50

In: 819.655+/-0.107 χ^2/NDF:2089504.7/45

Out: 803.565+/-0.101 χ^2/NDF:2412250.3/52

All: 811.156+/-0.073 χ^2/NDF: 4513788.6/98

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: -10.304+/-0.357 χ^2/NDF: 2716.3/27

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

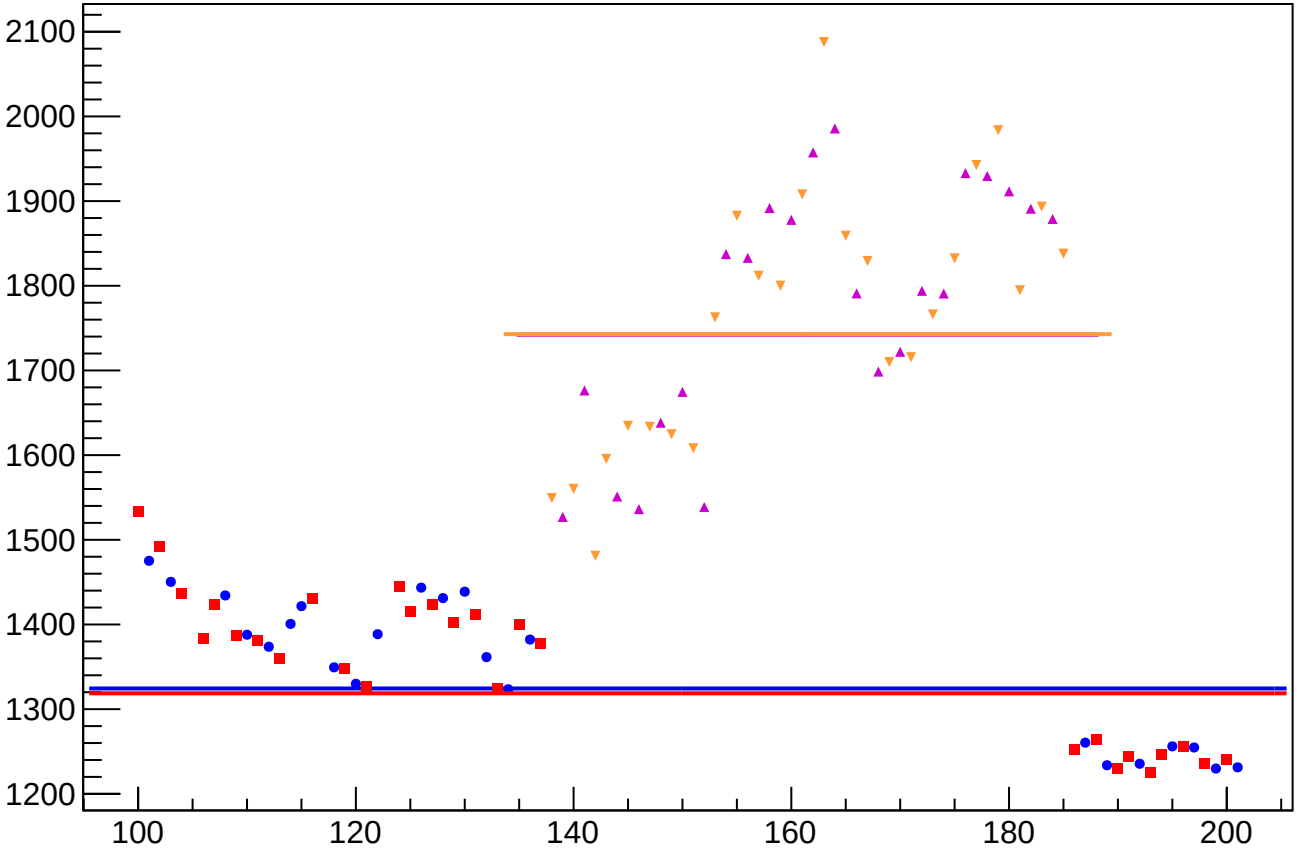
Right: -21.774+/-0.259 χ^2/NDF: 9322.6/50

In: -5.953+/-0.277 χ^2/NDF:17936.4/45

Out: -6.942+/-0.265 χ^2/NDF:3531.7/52

All: -6.469+/-0.192 χ^2/NDF: 21474.7/98

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: 1318.705+/-0.252 χ^2/NDF: 106910.1/27

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

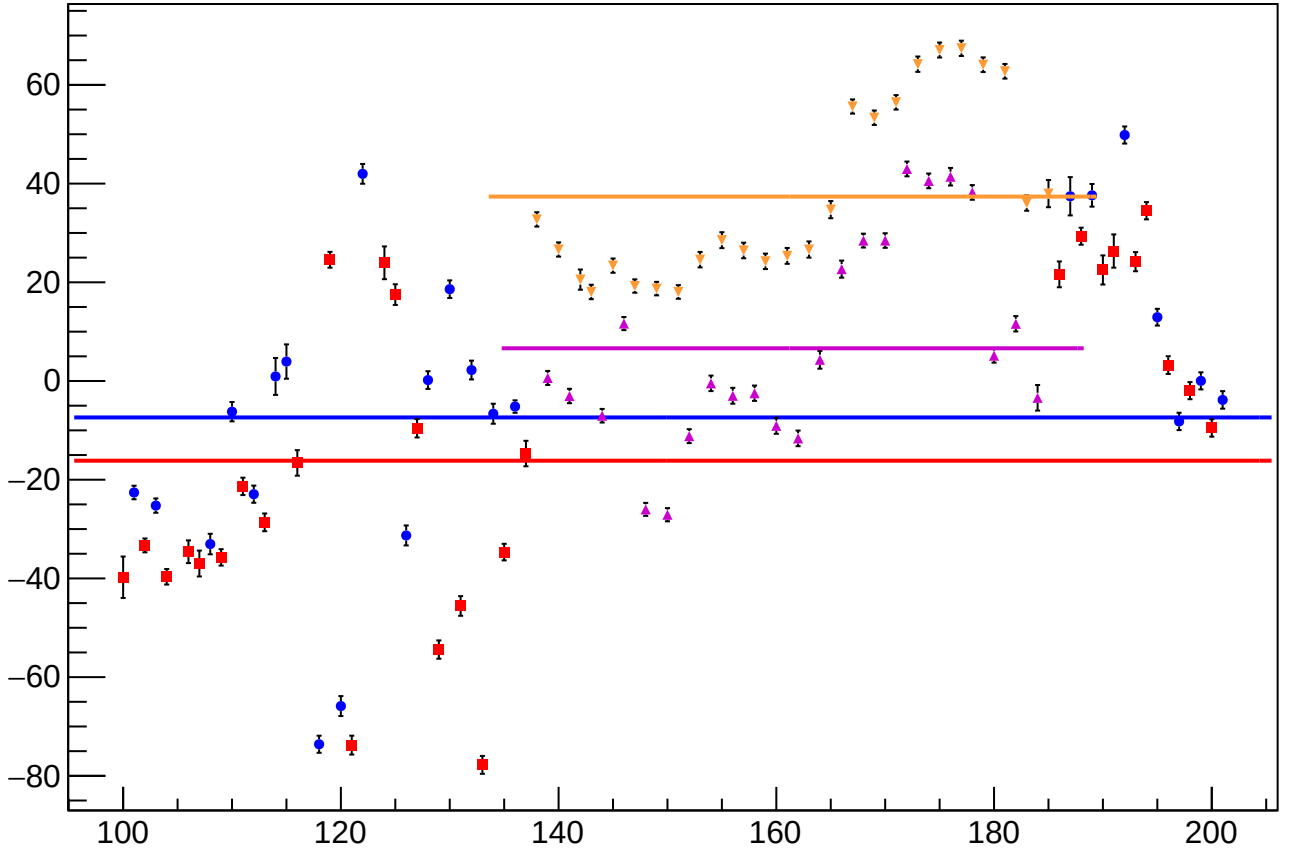
Right: 1321.402+/-0.183 χ^2/NDF: 210287.7/50

In: 1516.700+/-0.196 χ^2/NDF:1492243.0/45

Out: 1507.909+/-0.188 χ^2/NDF:1631866.1/52

All: 1512.112+/-0.136 χ^2/NDF: 3125158.2/98

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: -16.145+/-0.370 χ^2/NDF: 7330.0/27

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

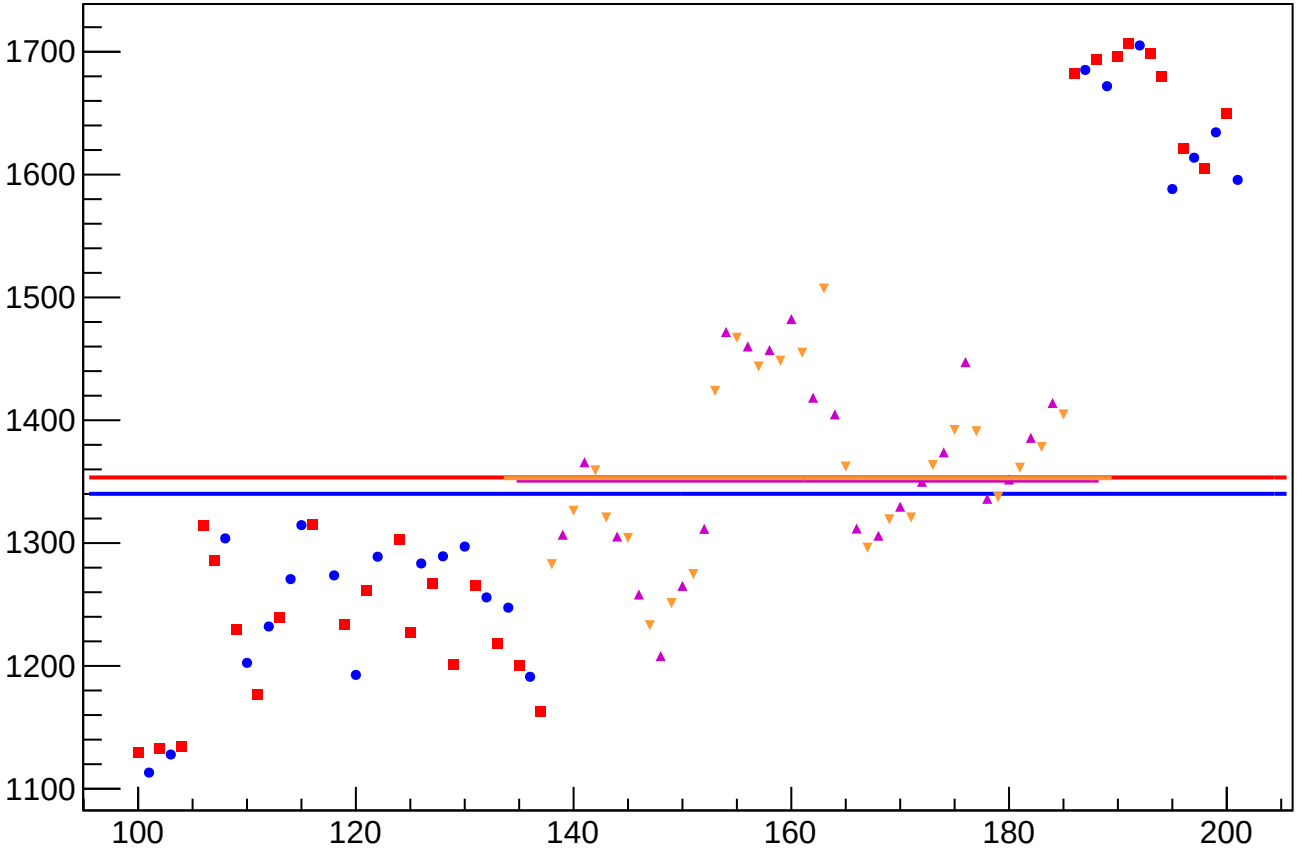
Right: -11.940+/-0.267 χ^2/NDF: 13202.6/50

In: 0.995+/-0.244 χ^2/NDF:10804.0/45

Out: 15.472+/-0.237 χ^2/NDF:23088.8/52

All: 8.466+/-0.170 χ^2/NDF: 35703.9/98

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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: 1353.448+/-0.262 χ^2/NDF: 653597.7/27

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

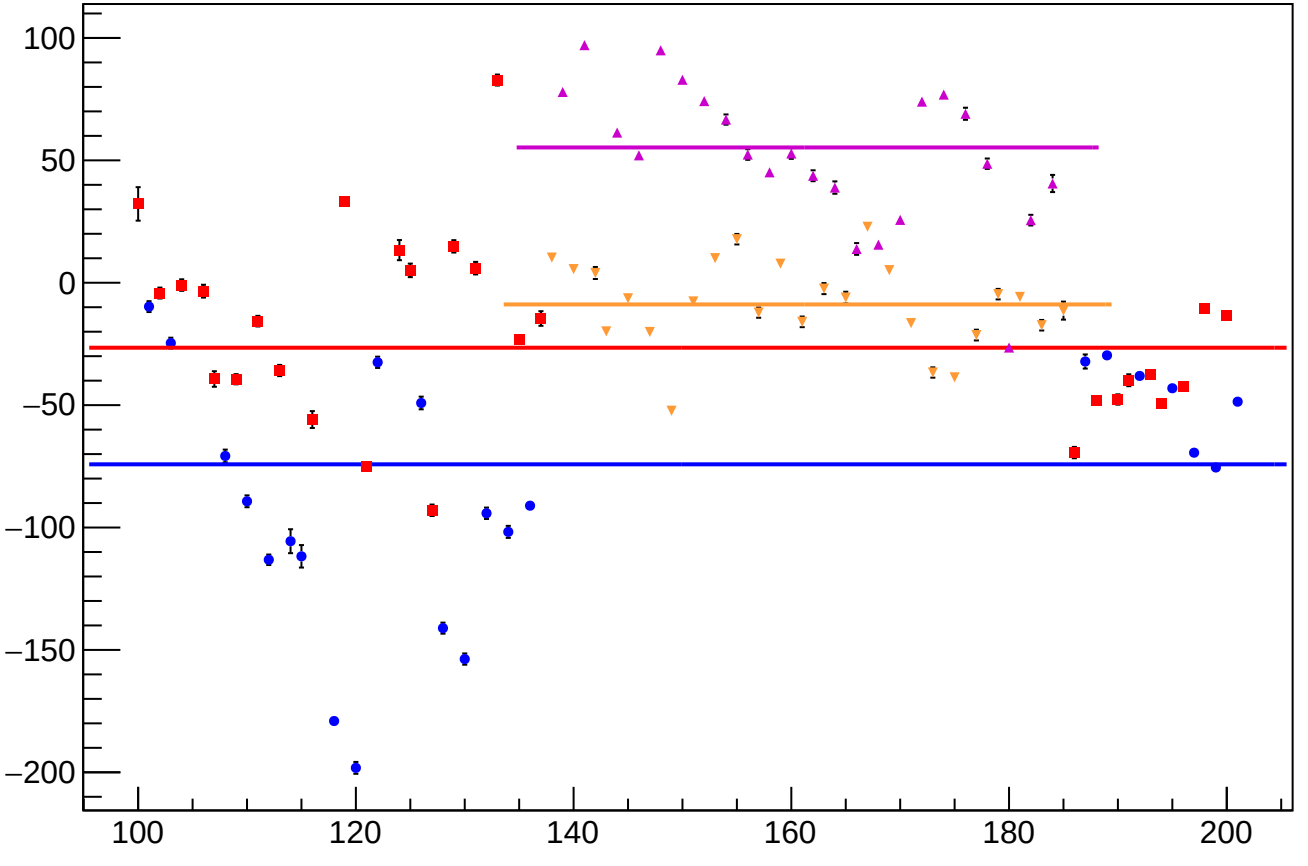
Right: 1347.054+/-0.189 χ^2/NDF: 1163567.9/50

In: 1346.521+/-0.173 χ^2/NDF:618267.0/45

Out: 1353.077+/-0.167 χ^2/NDF:758446.5/52

All: 1349.904+/-0.120 χ^2/NDF: 1377456.4/98

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: -26.542+/-0.389 χ^2/NDF: 7235.1/27

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

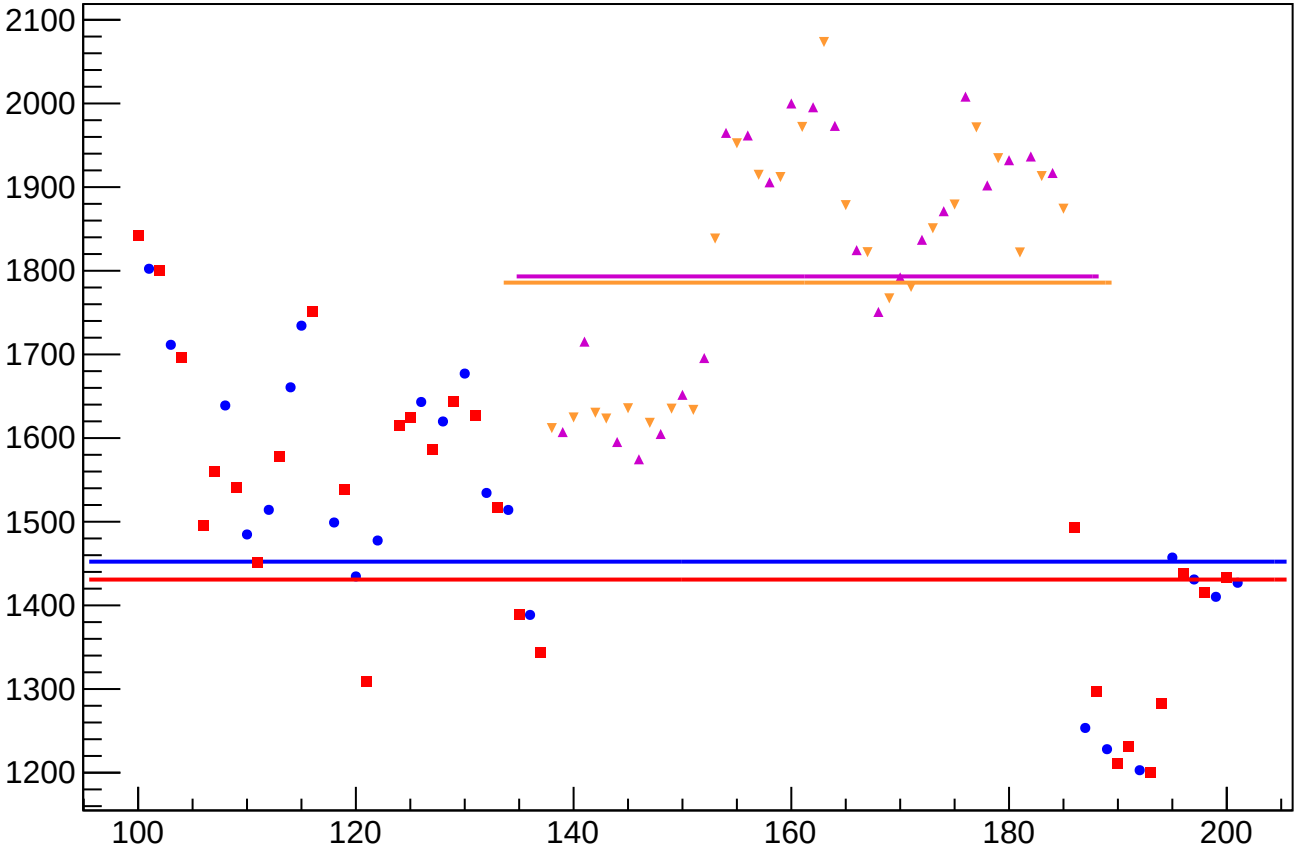
Right: -48.778+/-0.284 χ^2/NDF: 26612.1/50

In: -10.229+/-0.296 χ^2/NDF:65055.6/45

Out: -18.110+/-0.281 χ^2/NDF:10174.9/52

All: -14.366+/-0.204 χ^2/NDF: 75603.7/98

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: 1430.863+/-0.275 χ^2/NDF: 329824.8/27

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

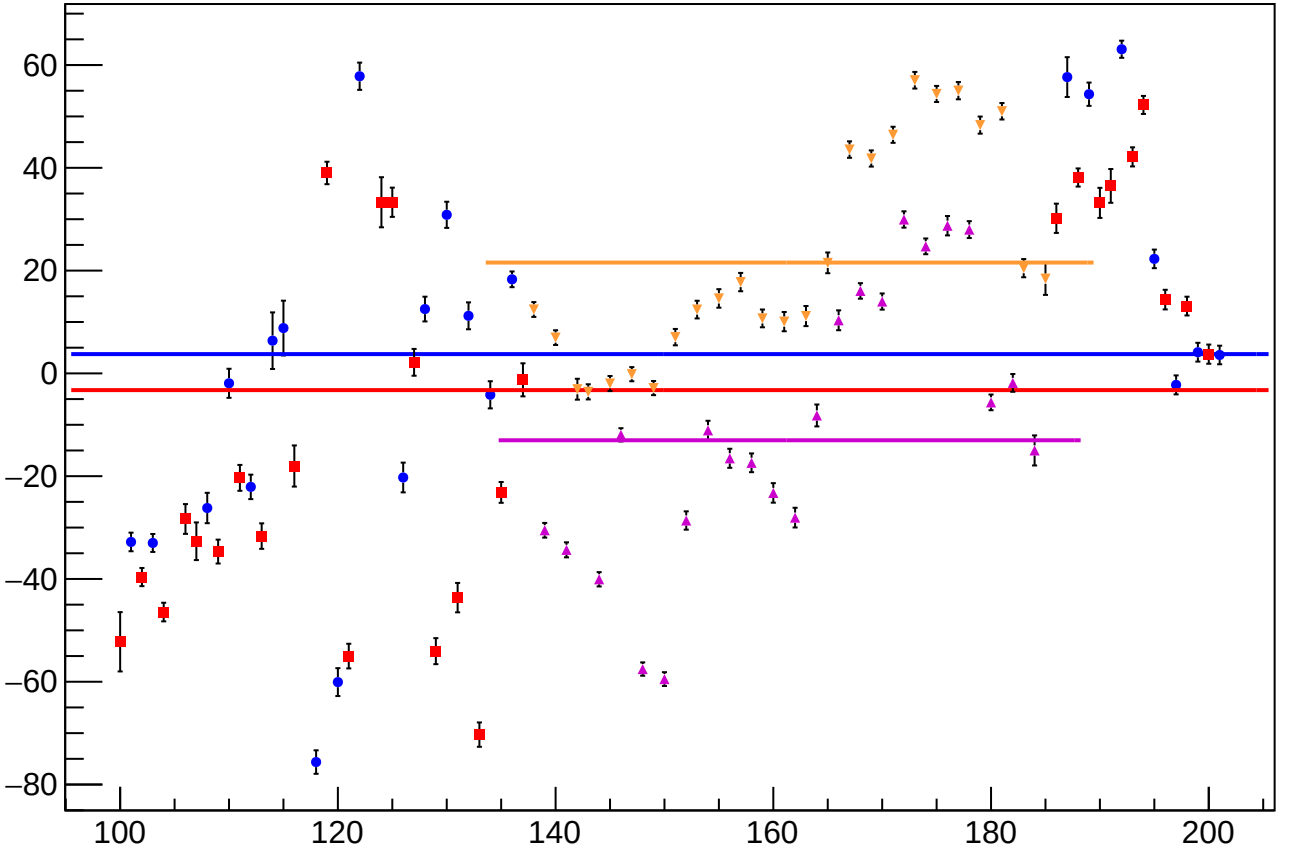
Right: 1440.856+/-0.201 χ^2/NDF: 614108.9/50

In: 1620.724+/-0.209 χ^2/NDF:1199702.9/45

Out: 1600.132+/-0.199 χ^2/NDF:1362266.8/52

All: 1609.915+/-0.144 χ^2/NDF: 2567065.8/98

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: -3.254+/-0.446 χ^2/NDF: 6904.5/27

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

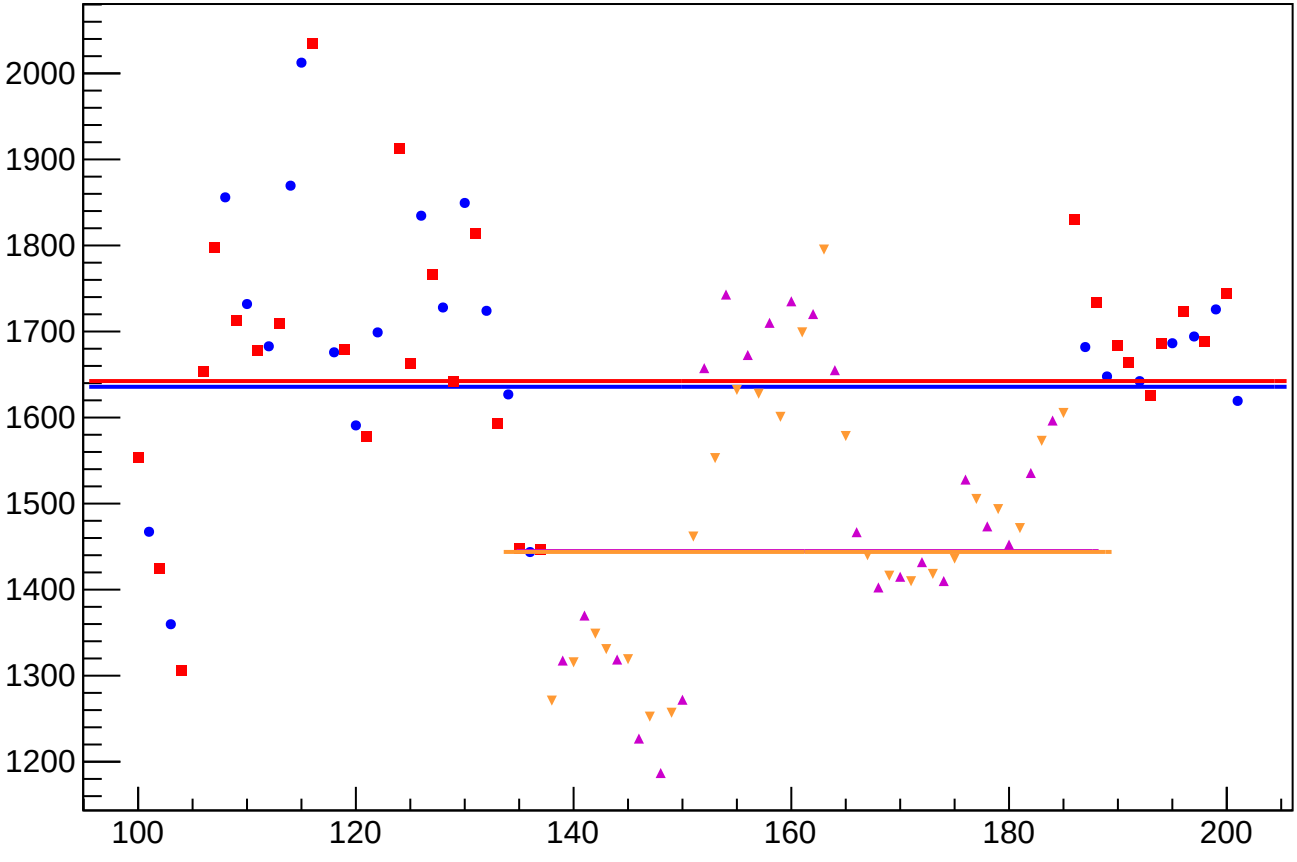
Right: 0.080+/-0.323 χ^2/NDF: 12648.7/50

In: -7.214+/-0.275 χ^2/NDF:13094.8/45

Out: 12.777+/-0.265 χ^2/NDF:13069.6/52

All: 3.146+/-0.191 χ^2/NDF: 28902.9/98

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: 1642.415+/-0.315 χ^2/NDF: 199785.7/27

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

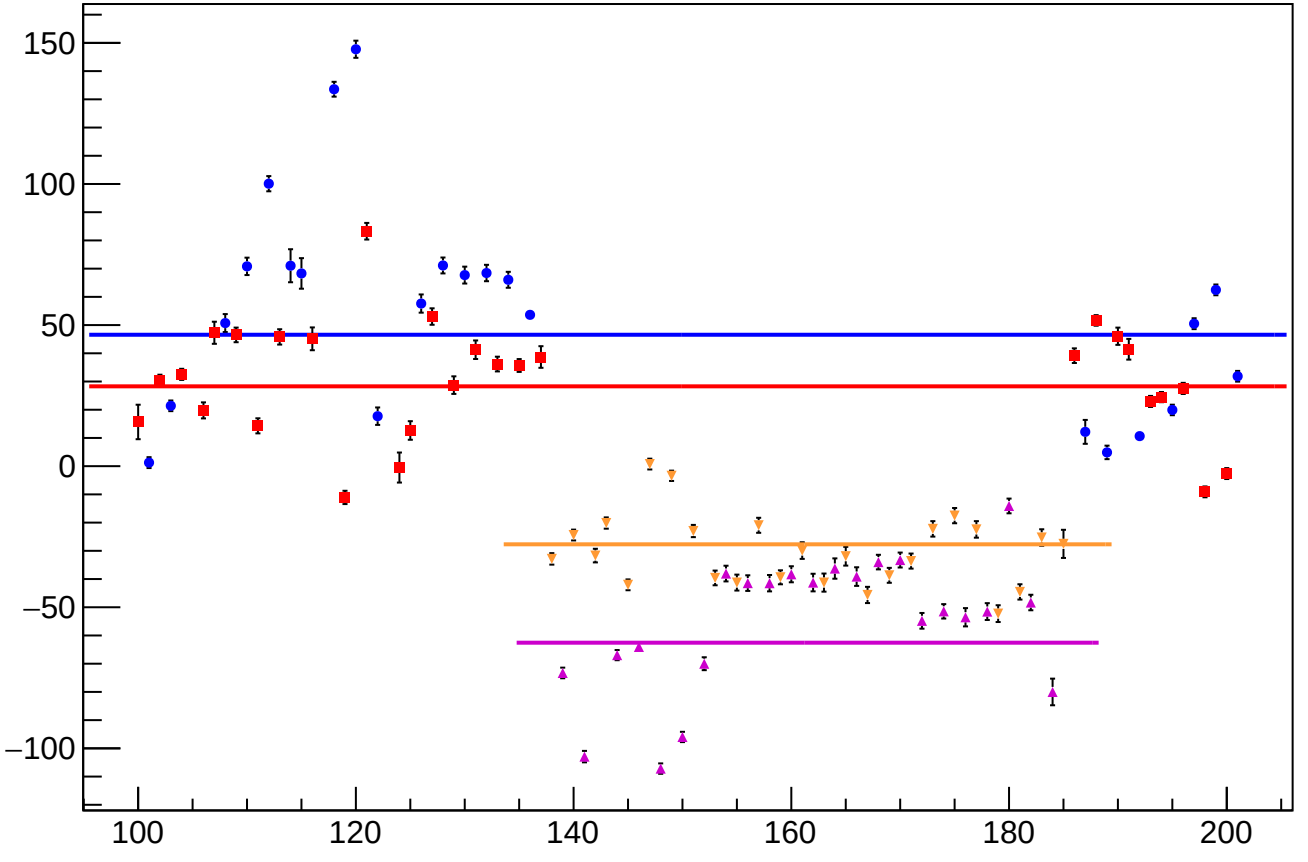
Right: 1639.245+/-0.228 χ^2/NDF: 366479.4/50

In: 1510.867+/-0.194 χ^2/NDF:869858.8/45

Out: 1514.150+/-0.187 χ^2/NDF:808795.7/52

All: 1512.568+/-0.135 χ^2/NDF: 1678802.3/98

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: 28.290+/-0.479 χ^2/NDF: 1835.4/27

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

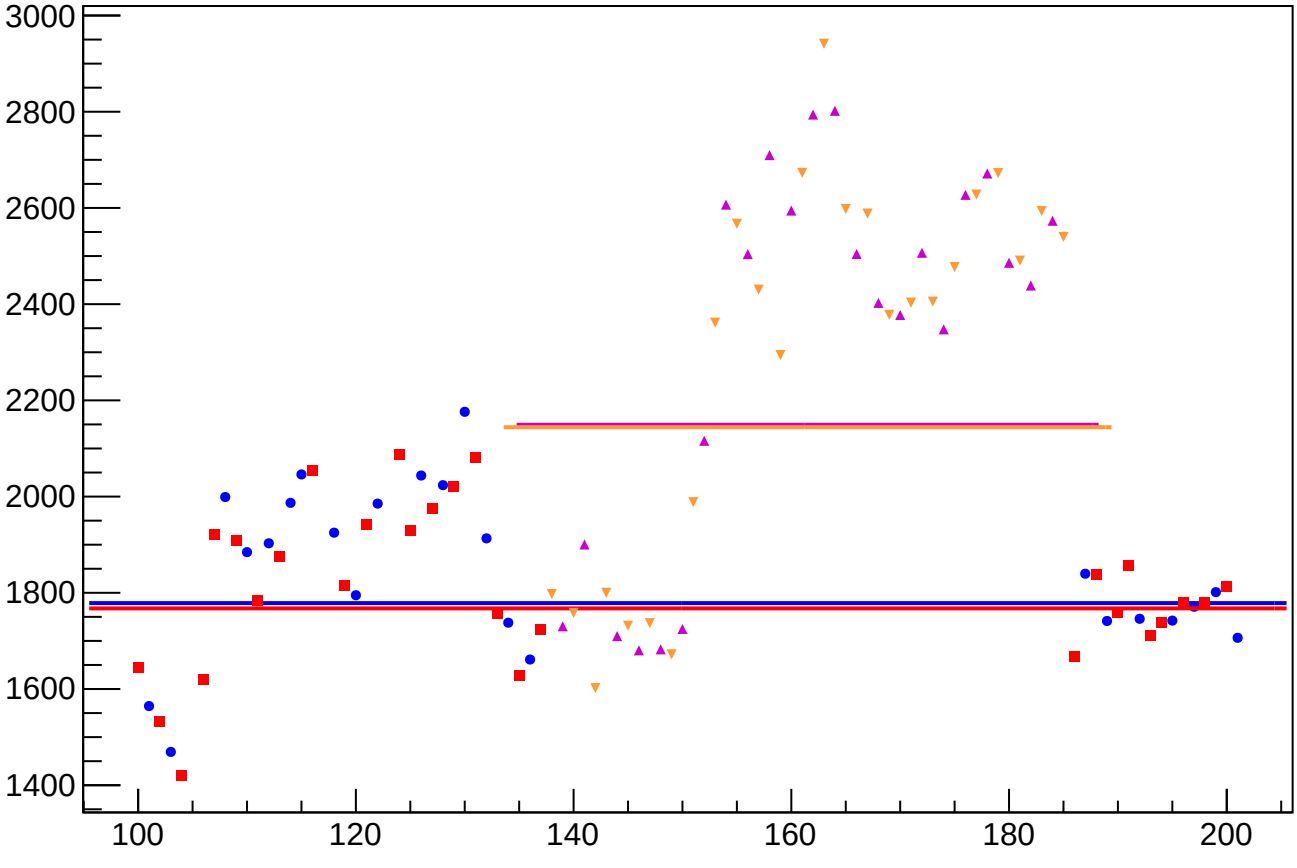
Right: 36.892+/-0.349 χ^2/NDF: 7409.8/50

In: -7.643+/-0.361 χ^2/NDF:30231.5/45

Out: 1.259+/-0.345 χ^2/NDF:9188.9/52

All: -2.990+/-0.249 χ^2/NDF: 39738.7/98

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: 1767.587+/-0.339 χ^2/NDF: 200350.2/27

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

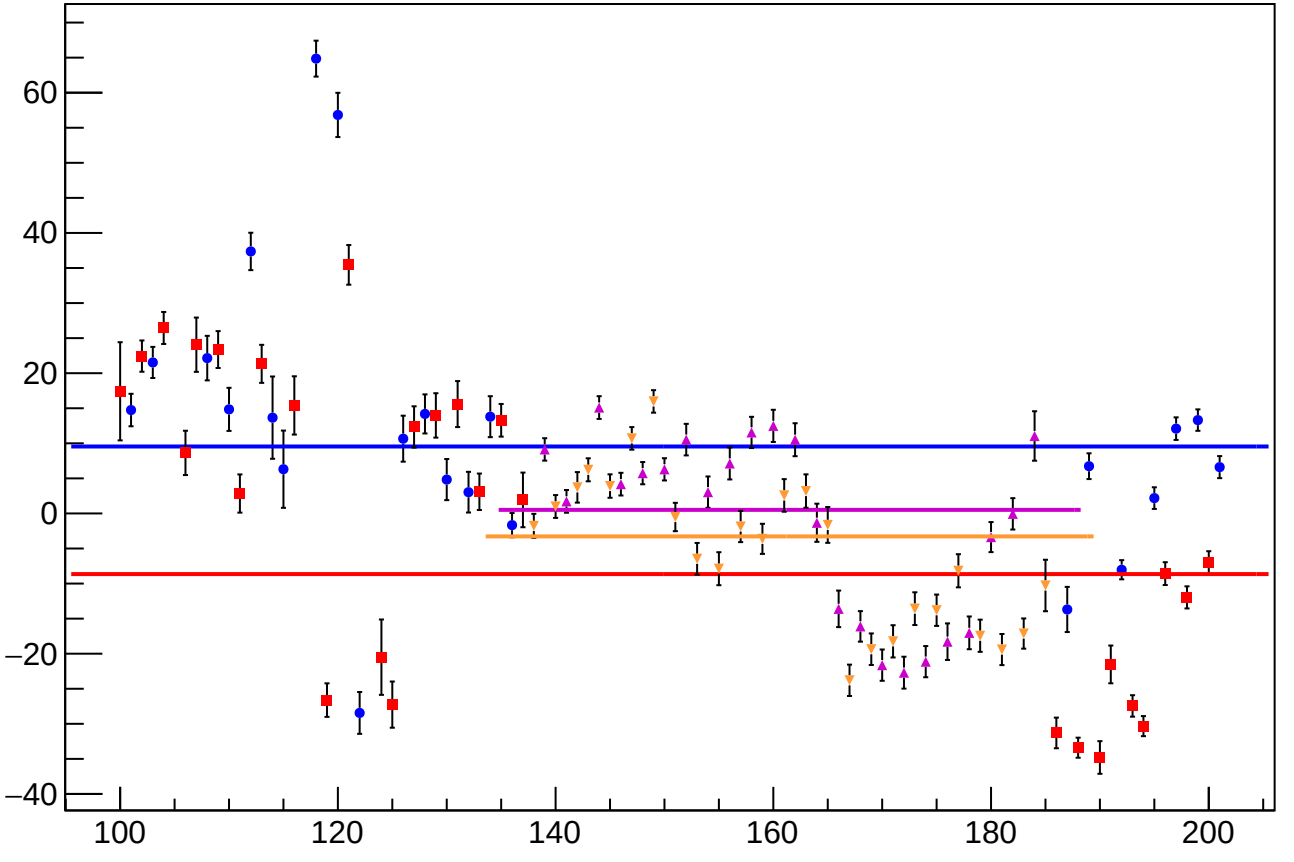
Right: 1772.767+/-0.247 χ^2/NDF: 400984.8/50

In: 1962.788+/-0.255 χ^2/NDF:1994108.5/45

Out: 1949.444+/-0.244 χ^2/NDF:2076508.0/52

All: 1955.813+/-0.176 χ^2/NDF: 4072047.2/98

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: -8.649+/-0.435 χ^2/NDF: 2419.1/27

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

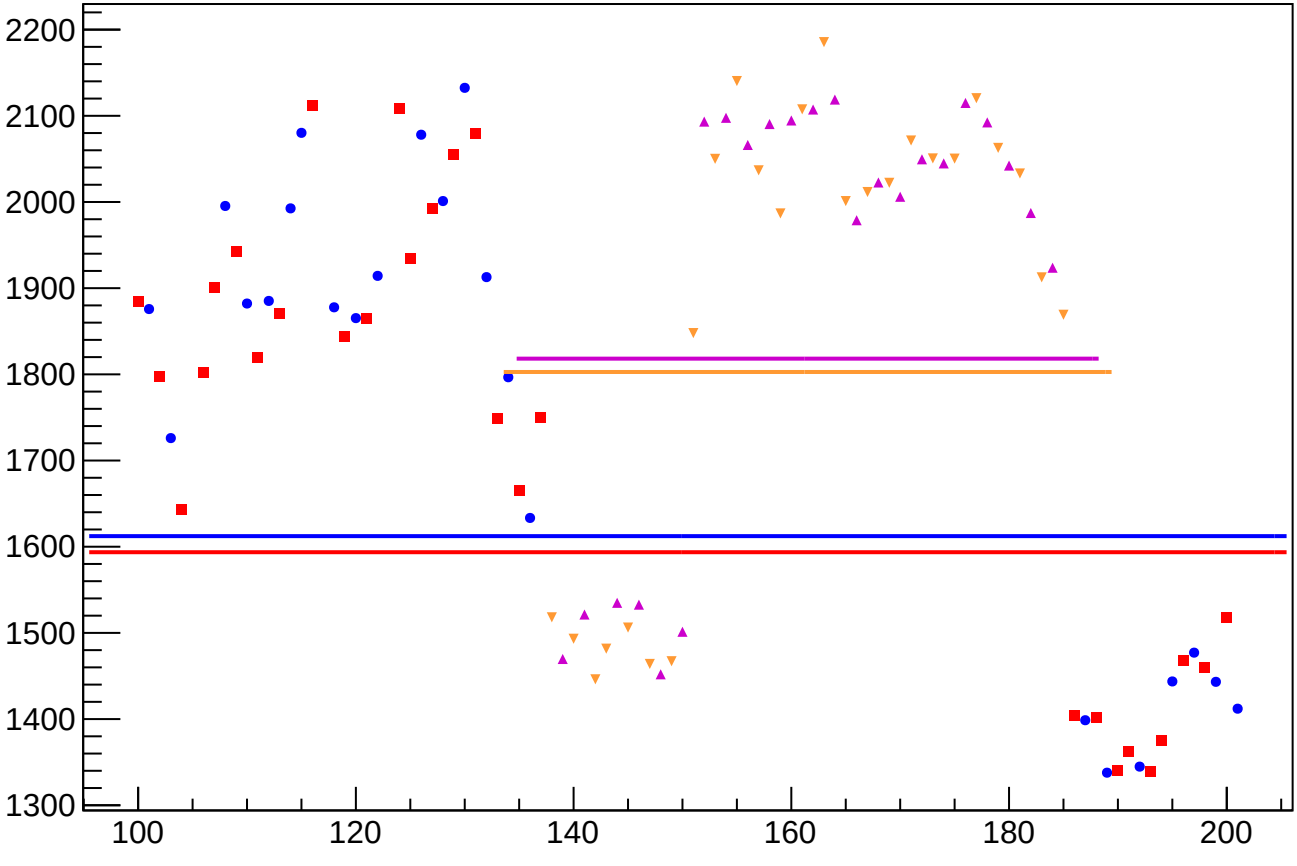
Right: -0.139+/-0.318 χ^2/NDF: 4561.8/50

In: 4.681+/-0.315 χ^2/NDF:2274.8/45

Out: -5.832+/-0.300 χ^2/NDF:3170.1/52

All: -0.835+/-0.217 χ^2/NDF: 6028.0/98

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: 1593.621+/-0.308 χ^2/NDF: 580227.4/27

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

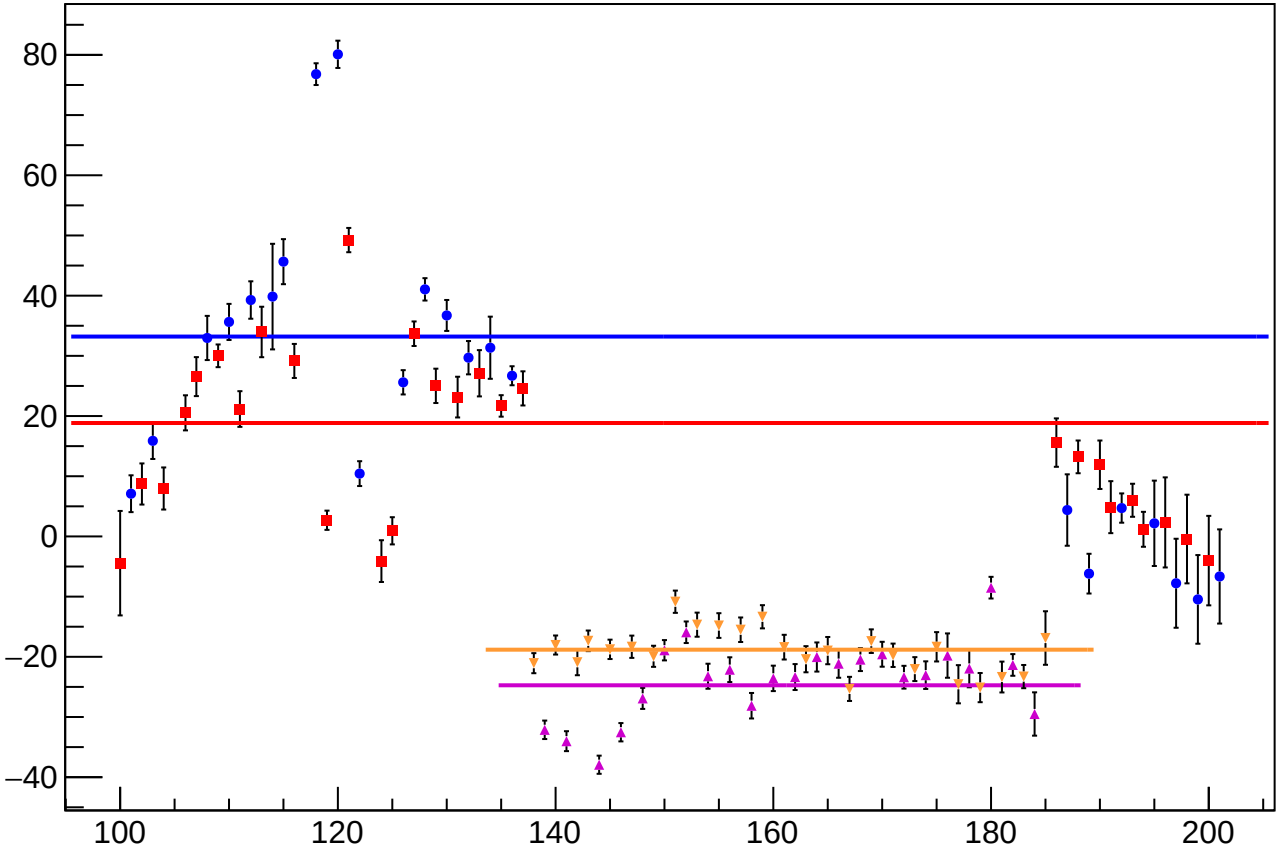
Right: 1602.348+/-0.225 χ^2/NDF: 1153417.0/50

In: 1723.190+/-0.223 χ^2/NDF:1623739.6/45

Out: 1703.232+/-0.212 χ^2/NDF:1719701.9/52

All: 1712.718+/-0.154 χ^2/NDF: 3347643.5/98

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: 18.843+/-0.537 χ^2/NDF: 698.4/27

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

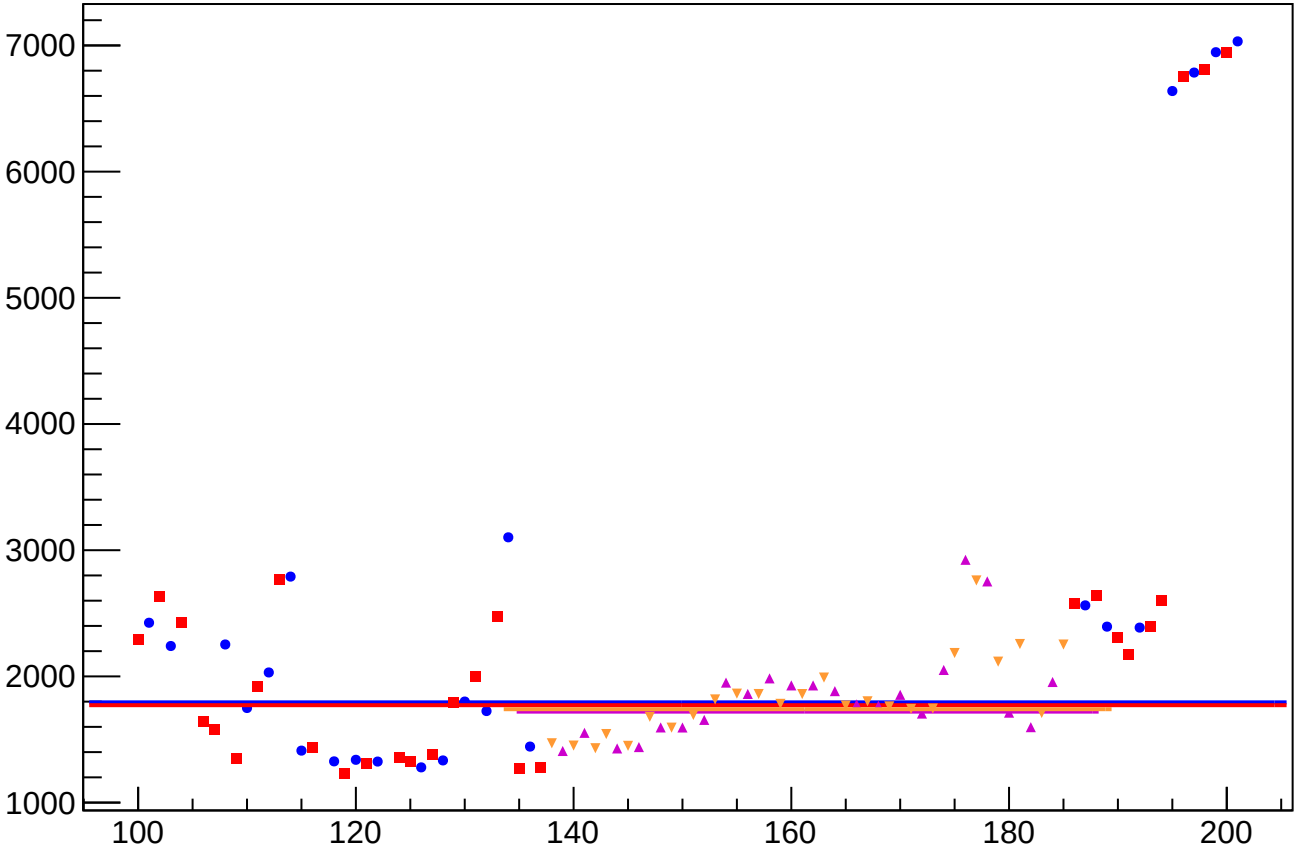
Right: 25.442+/-0.395 χ^2/NDF: 2746.9/50

In: -5.629+/-0.335 χ^2/NDF:8651.7/45

Out: -5.307+/-0.322 χ^2/NDF:3922.4/52

All: -5.462+/-0.232 χ^2/NDF: 12574.6/98

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: 1771.909+/-0.380 χ^2/NDF: 4670592.1/27

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

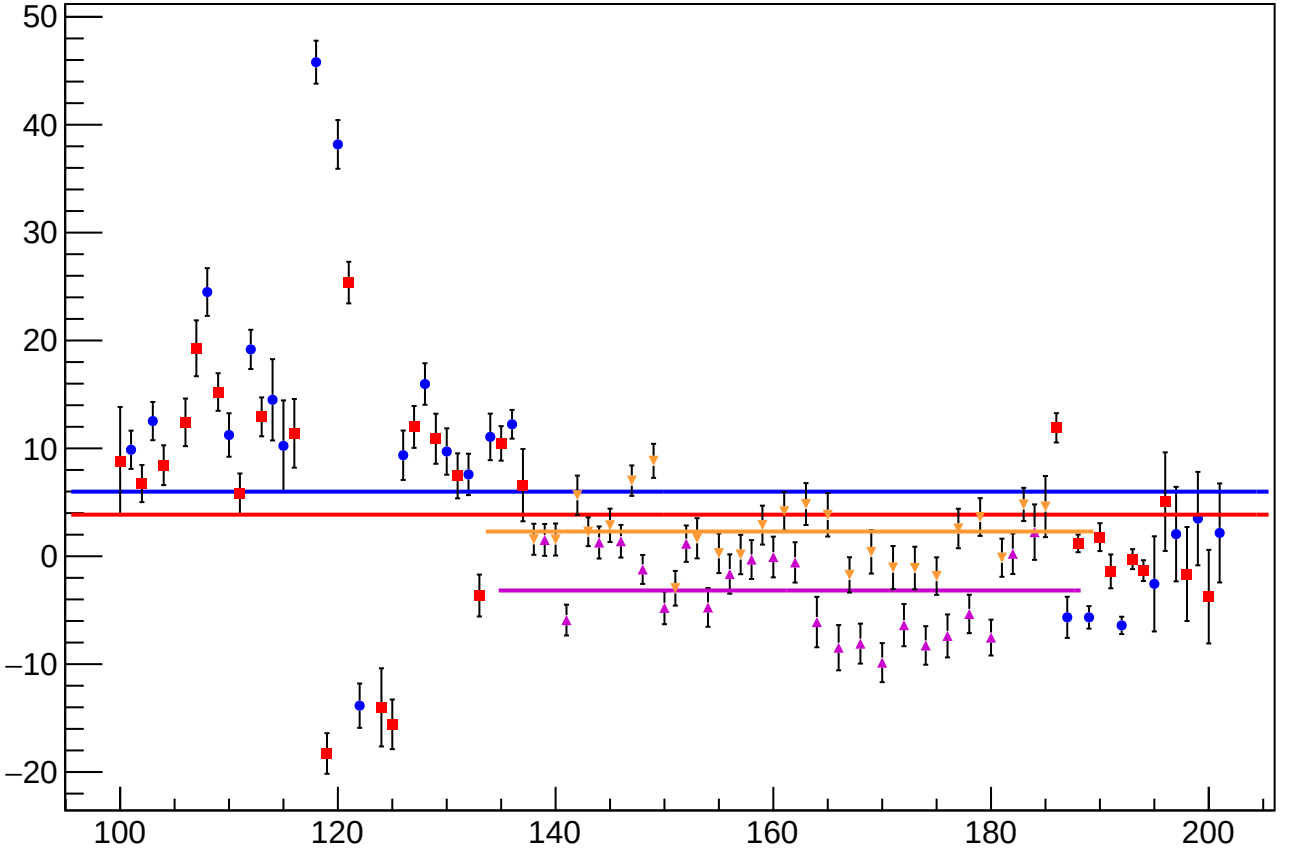
Right: 1782.171+/-0.279 χ^2/NDF: 9628752.6/50

In: 1745.058+/-0.237 χ^2/NDF:5861812.6/45

Out: 1751.503+/-0.228 χ^2/NDF:5428466.4/52

All: 1748.407+/-0.164 χ^2/NDF: 11290664.3/9

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: 3.856+/-0.321 χ^2/NDF: 668.5/27

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

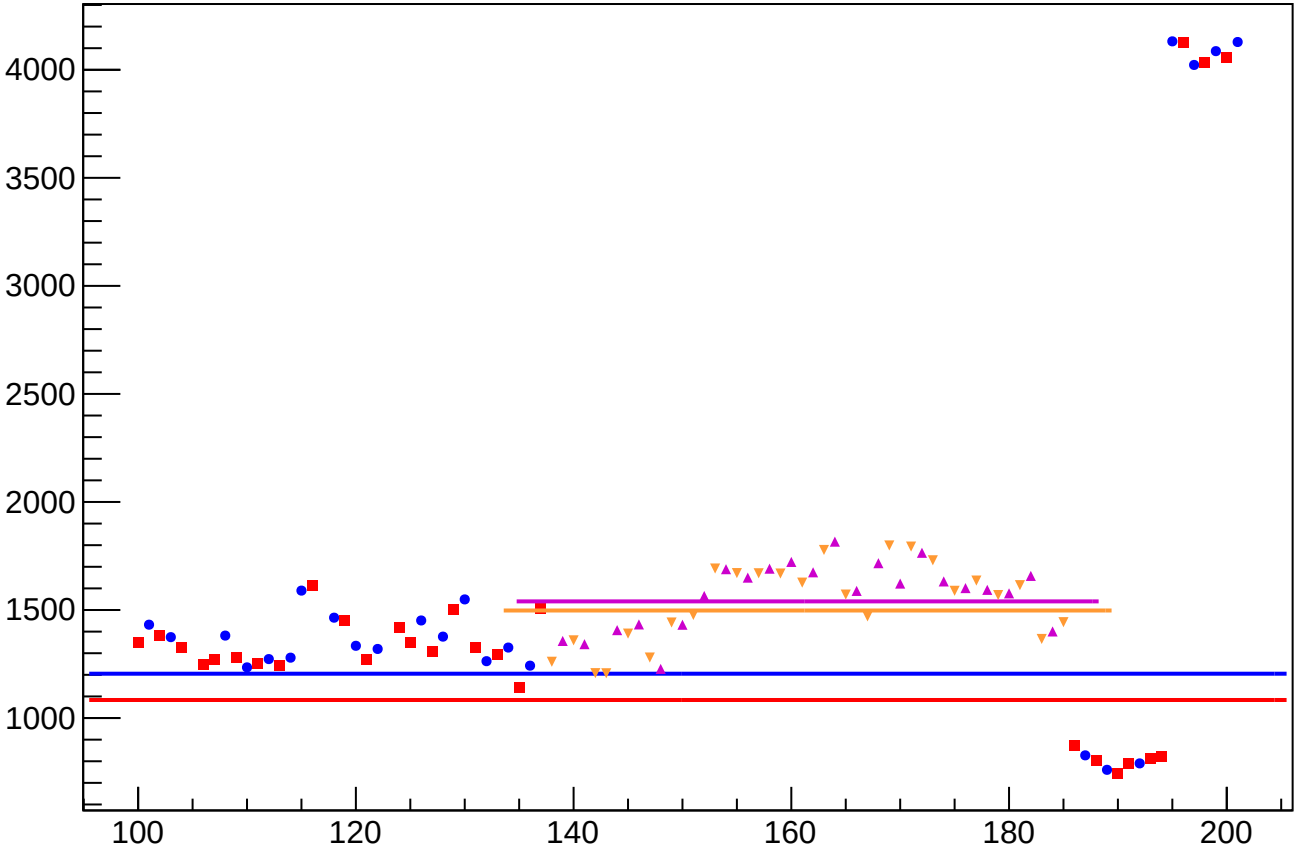
Right: 4.739+/-0.245 χ^2/NDF: 2002.5/50

In: 1.175+/-0.263 χ^2/NDF:1729.3/45

Out: 3.128+/-0.234 χ^2/NDF:753.1/52

All: 2.262+/-0.175 χ^2/NDF: 2513.1/98

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: 1083.538+/-0.227 χ^2/NDF: 4112609.8/27

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

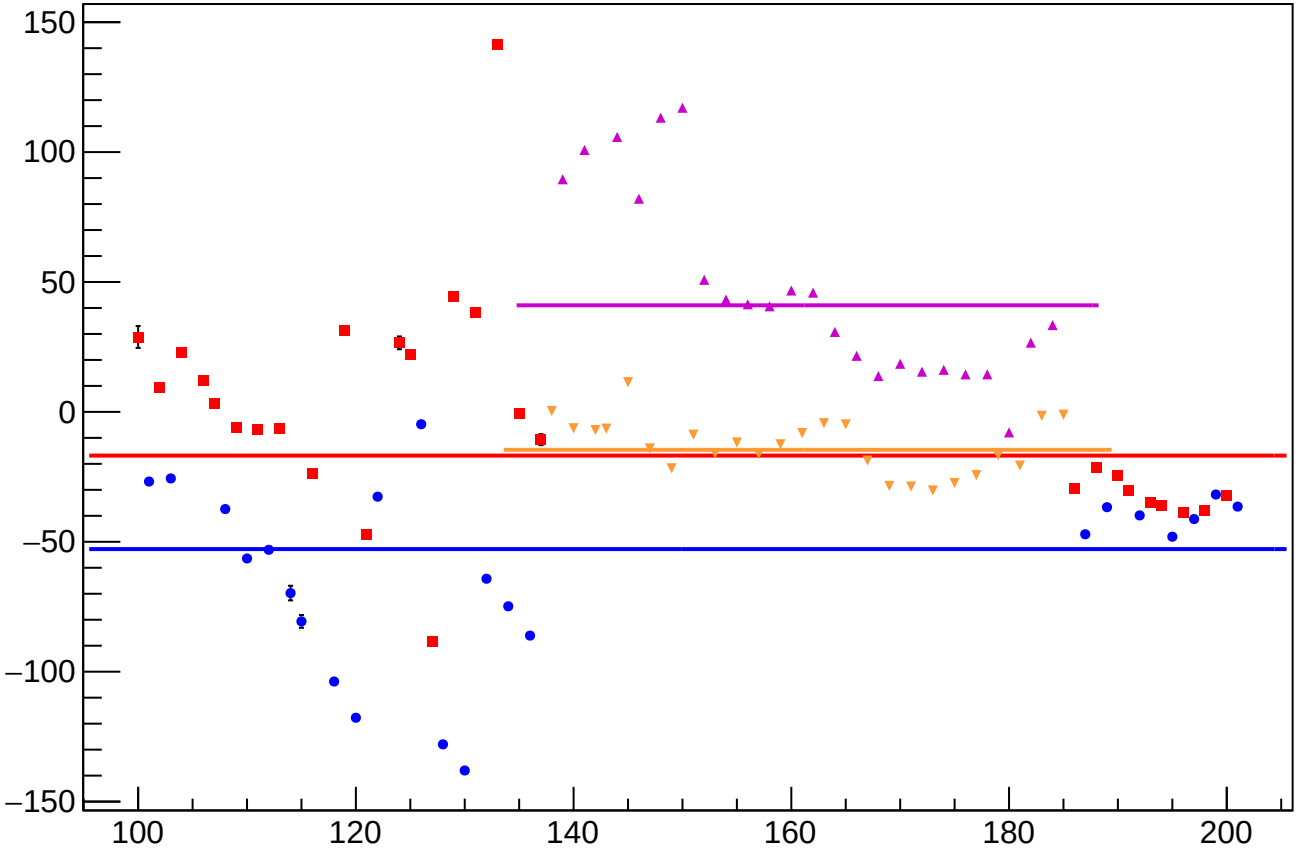
Right: 1133.923+/-0.174 χ^2/NDF: 8842741.7/50

In: 1381.060+/-0.186 χ^2/NDF:5800627.6/45

Out: 1276.442+/-0.166 χ^2/NDF:6234895.3/52

All: 1322.810+/-0.124 χ^2/NDF: 12212092.4/9

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: -16.817+/-0.208 χ^2/NDF: 29224.4/27

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

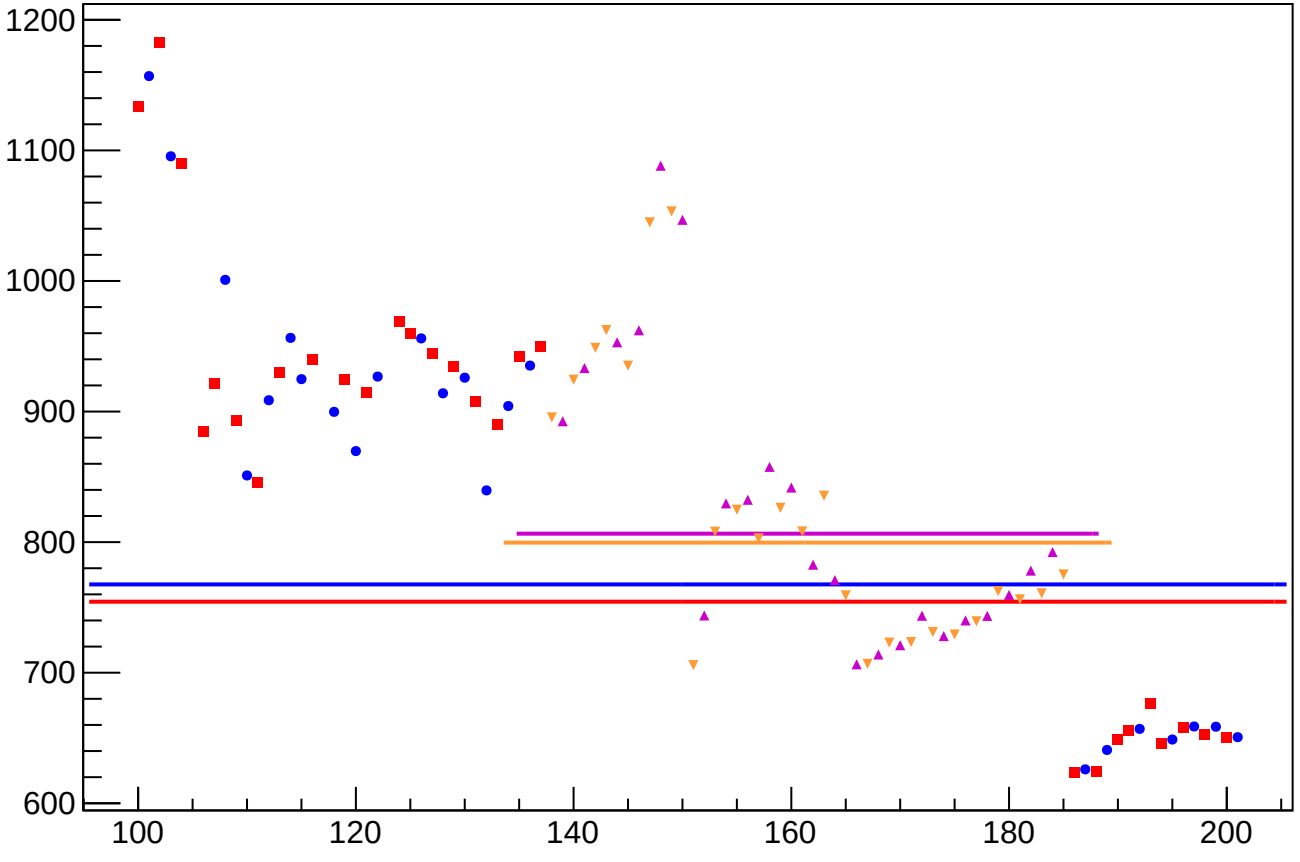
Right: -33.574+/-0.152 χ^2/NDF: 60938.5/50

In: 1.495+/-0.144 χ^2/NDF:151763.9/45

Out: -15.568+/-0.137 χ^2/NDF:32448.0/52

All: -7.467+/-0.099 χ^2/NDF: 191547.8/98

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: 754.376+/-0.147 χ^2/NDF: 1032796.7/27

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

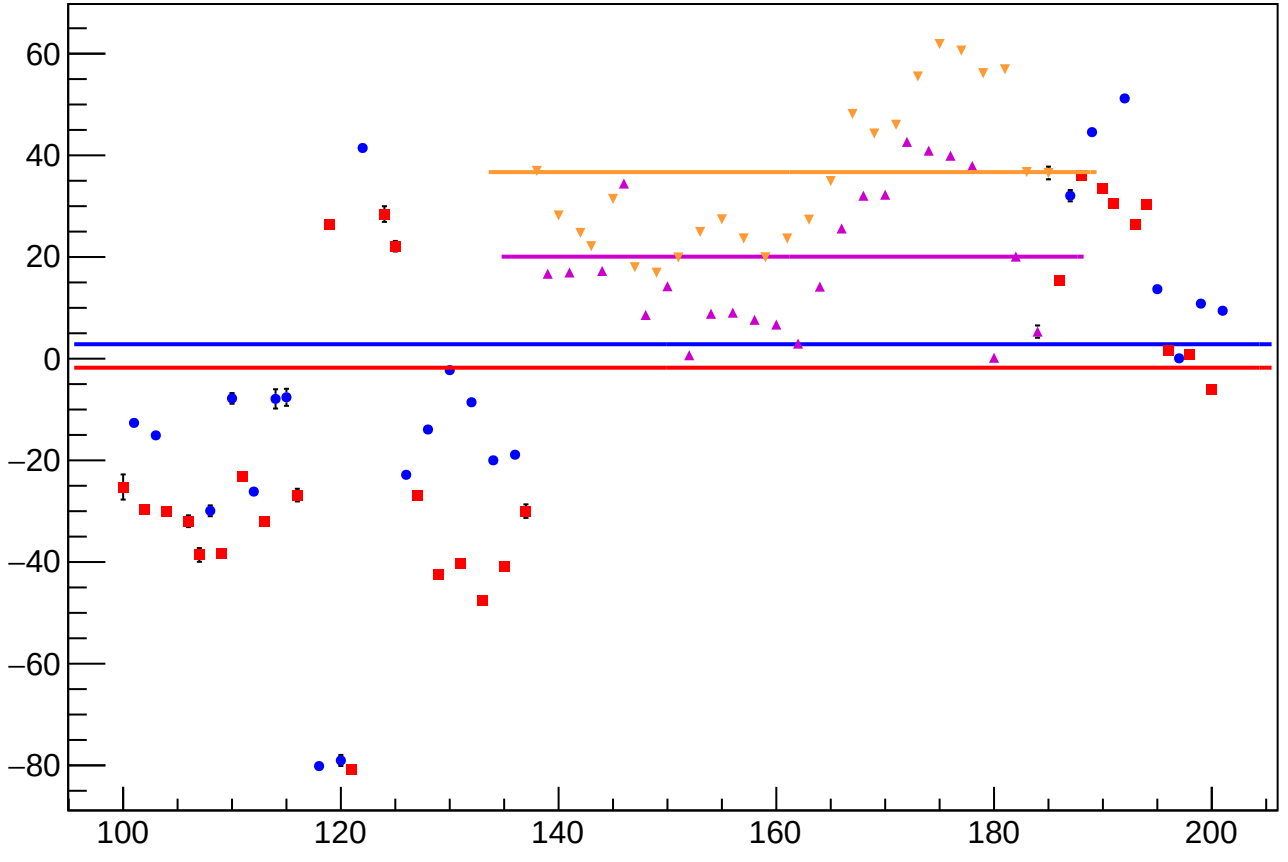
Right: 760.540+/-0.107 χ^2/NDF: 1933649.9/50

In: 790.108+/-0.102 χ^2/NDF:1443689.3/45

Out: 779.855+/-0.097 χ^2/NDF:1583739.8/52

All: 784.723+/-0.070 χ^2/NDF: 3032726.5/98

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: -1.771+/-0.148 χ^2/NDF: 42950.6/27

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

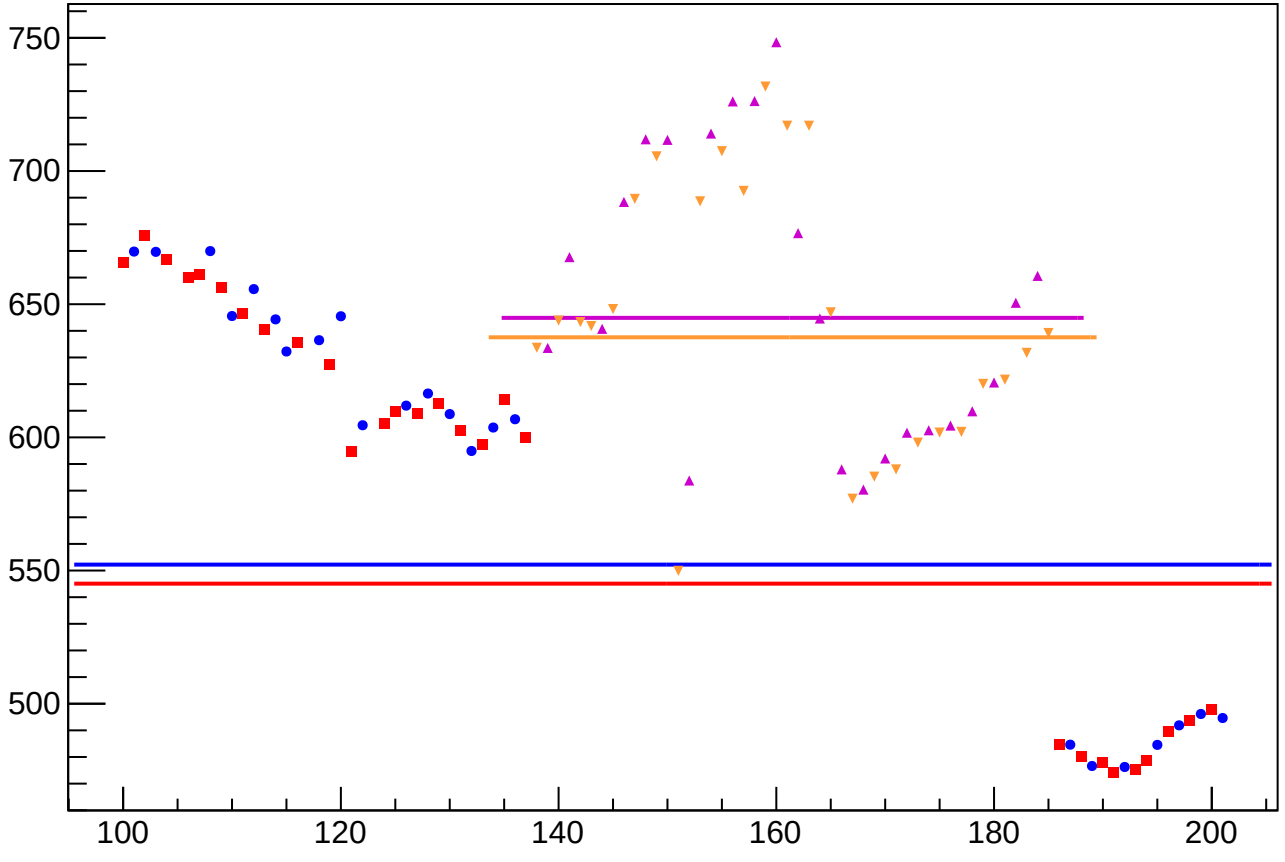
Right: 0.385+/-0.108 χ^2/NDF: 81368.4/50

In: 11.856+/-0.109 χ^2/NDF:52713.6/45

Out: 17.864+/-0.104 χ^2/NDF:87458.3/52

All: 15.015+/-0.075 χ^2/NDF: 141757.6/98

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: 545.078+/-0.105 χ^2/NDF: 492785.6/27

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

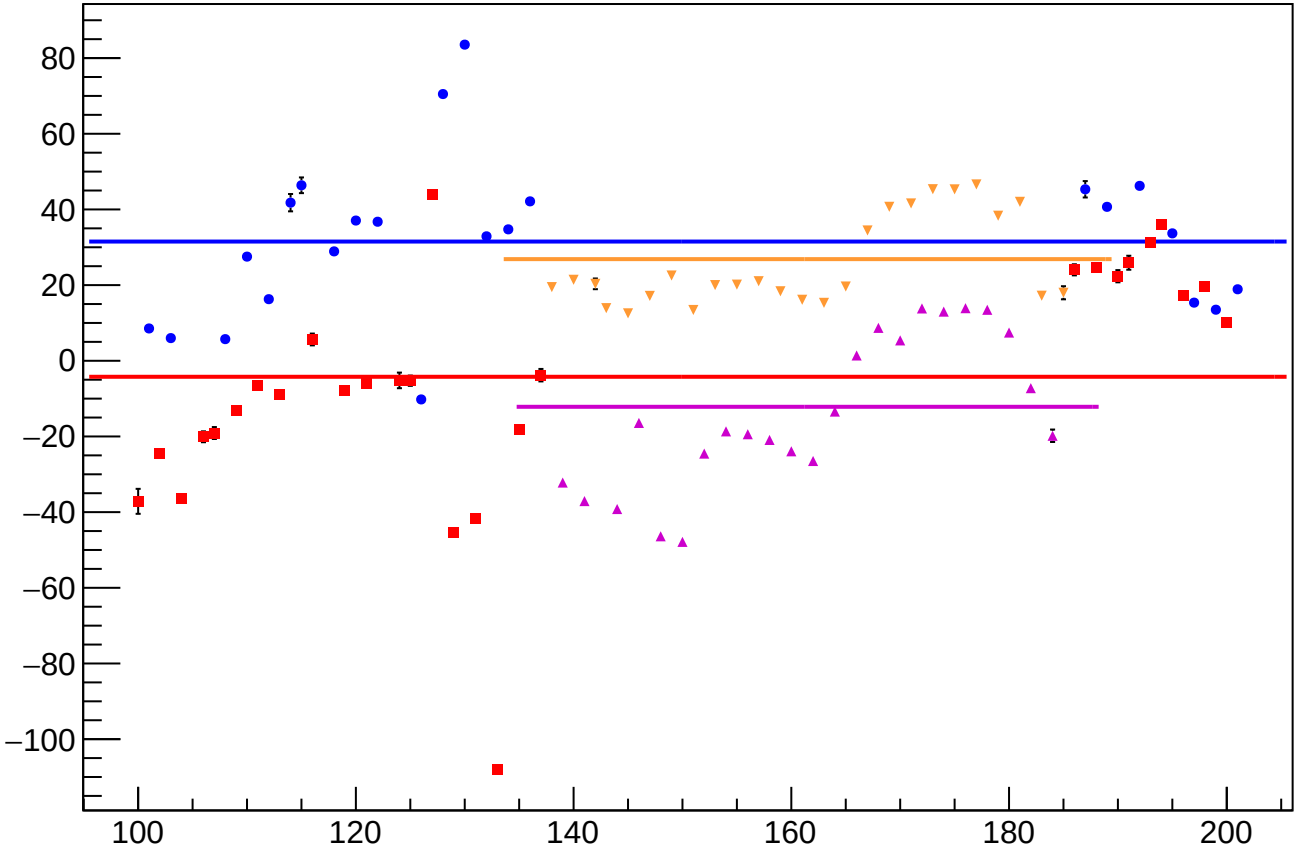
Right: 548.421+/-0.077 χ^2/NDF: 927047.0/50

In: 600.707+/-0.077 χ^2/NDF:1019435.3/45

Out: 592.278+/-0.073 χ^2/NDF:1125468.0/52

All: 596.275+/-0.053 χ^2/NDF: 2151145.8/98

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: -4.226+/-0.228 χ^2/NDF: 20848.6/27

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

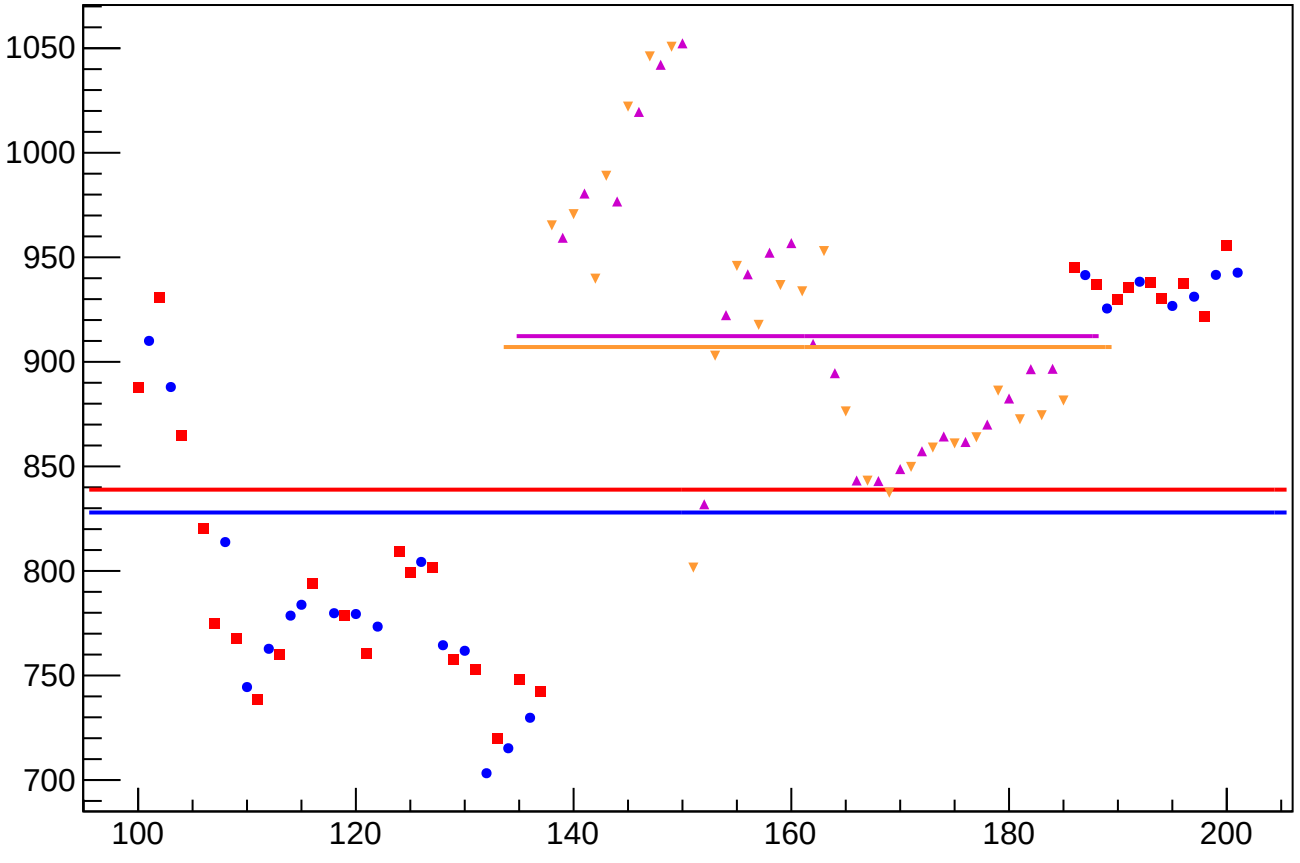
Right: 12.934+/-0.164 χ^2/NDF: 40474.3/50

In: 7.438+/-0.159 χ^2/NDF:35078.8/45

Out: 12.816+/-0.153 χ^2/NDF:34466.2/52

All: 10.224+/-0.110 χ^2/NDF: 70140.4/98

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: 838.883+/-0.161 χ^2/NDF: 279173.8/27

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

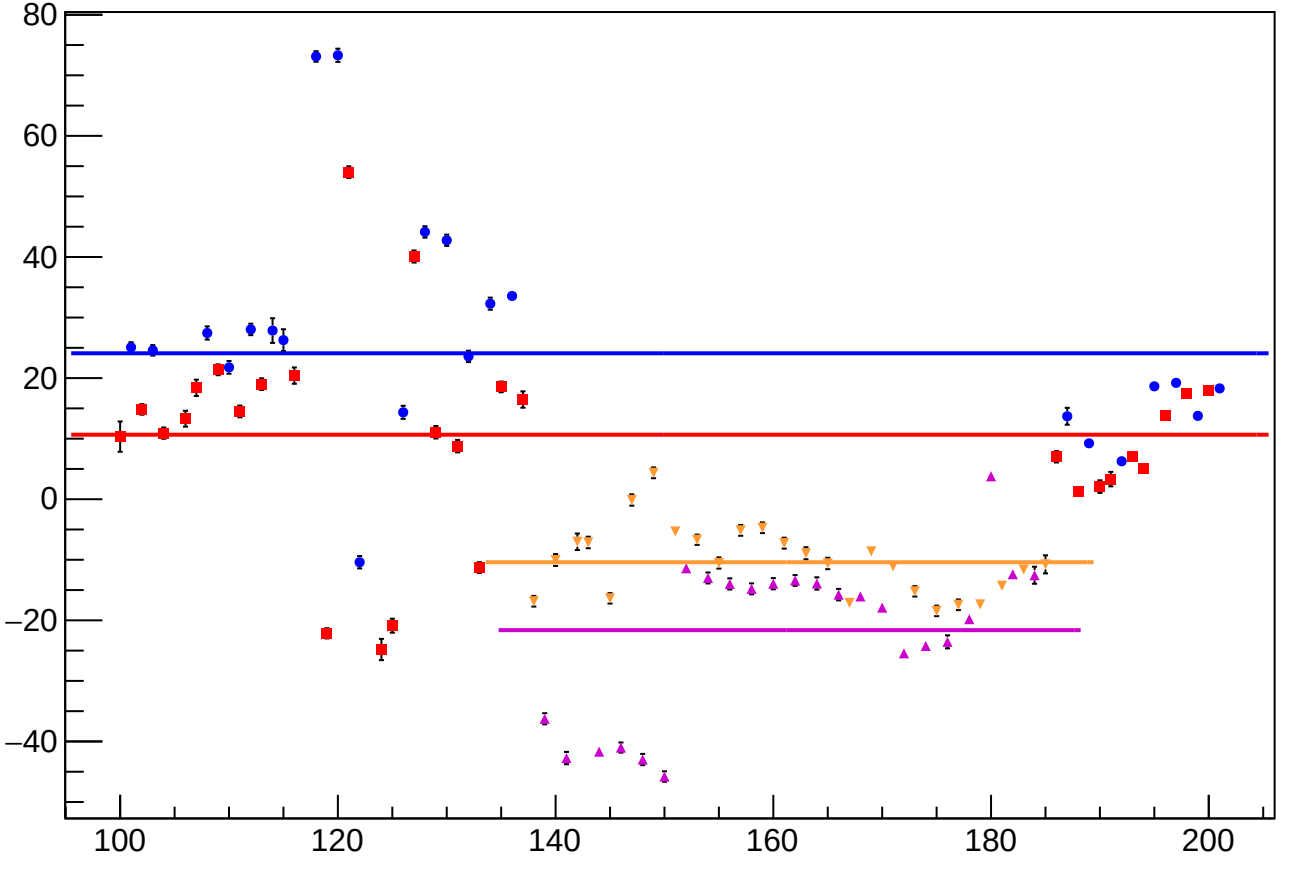
Right: 833.634+/-0.116 χ^2/NDF: 556319.1/50

In: 874.450+/-0.112 χ^2/NDF:589488.0/45

Out: 876.268+/-0.108 χ^2/NDF:572209.9/52

All: 875.392+/-0.078 χ^2/NDF: 1161834.0/98

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: 10.653+/-0.171 χ^2/NDF: 7298.8/27

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

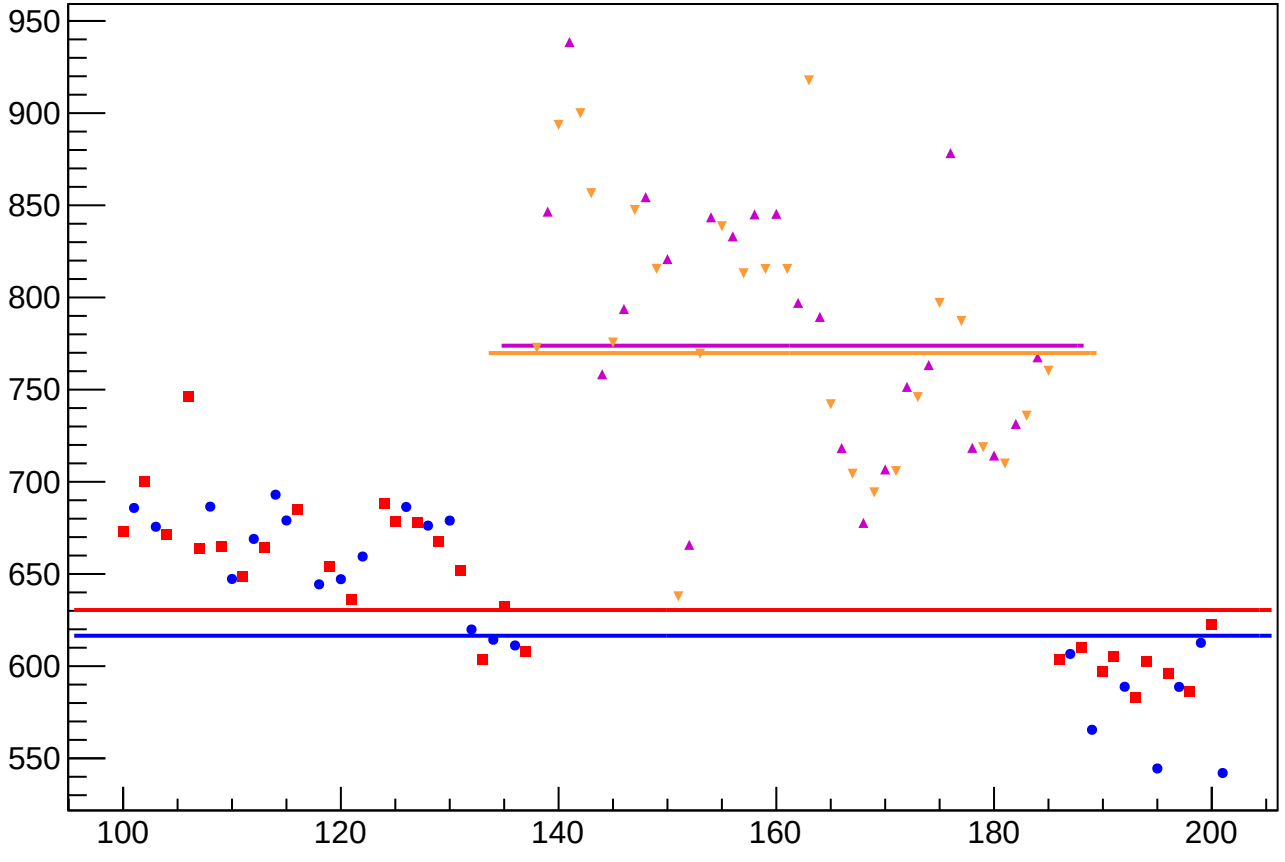
Right: 17.153+/-0.123 χ^2/NDF: 19625.1/50

In: 1.946+/-0.127 χ^2/NDF:47118.1/45

Out: 0.448+/-0.123 χ^2/NDF:15719.8/52

All: 1.172+/-0.088 χ^2/NDF: 62910.2/98

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: 630.453+/-0.121 χ^2/NDF: 97224.0/27

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

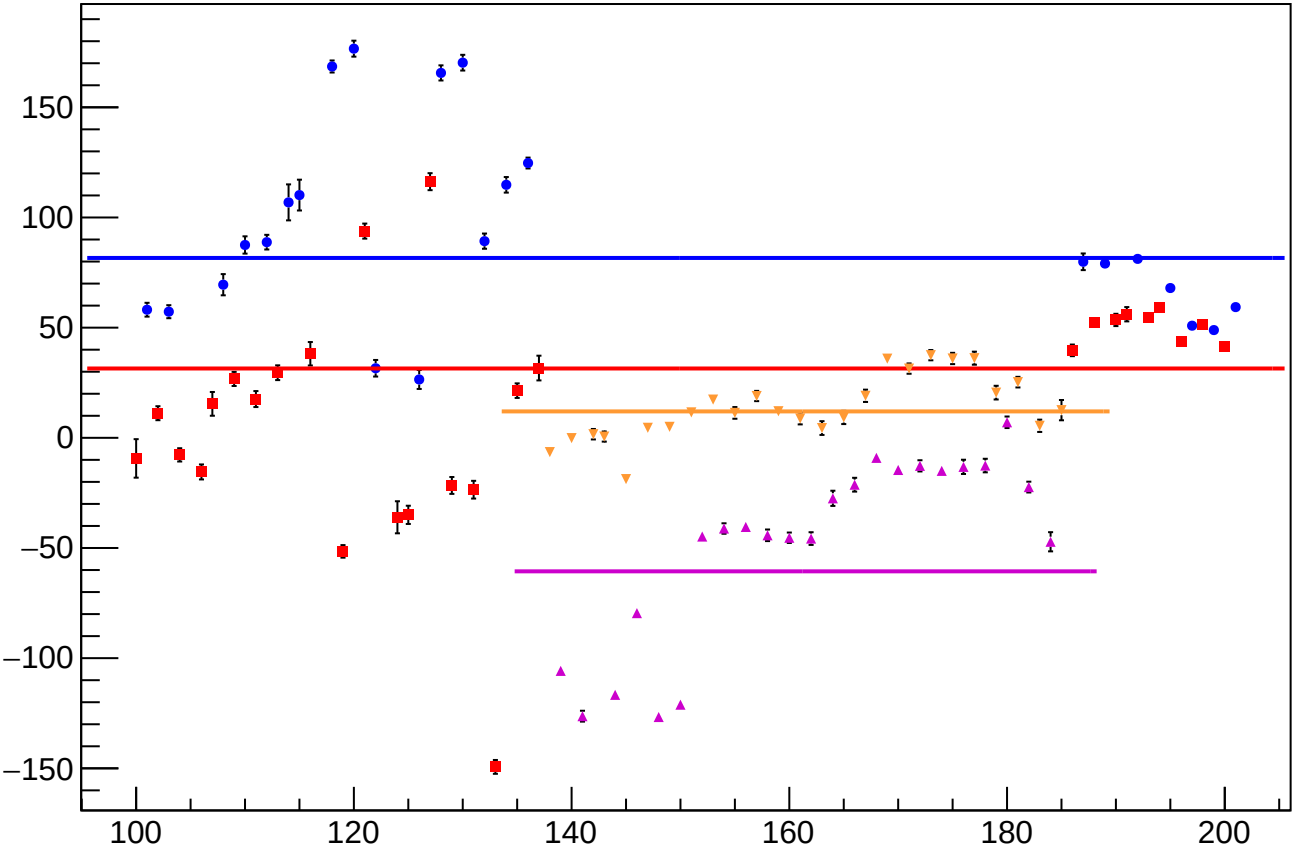
Right: 623.705+/-0.087 χ^2/NDF: 256642.3/50

In: 692.734+/-0.090 χ^2/NDF:1206936.4/45

Out: 698.004+/-0.087 χ^2/NDF:1048380.0/52

All: 695.456+/-0.062 χ^2/NDF: 2257105.6/98

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: 31.465+/-0.525 χ^2/NDF: 7091.3/27

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

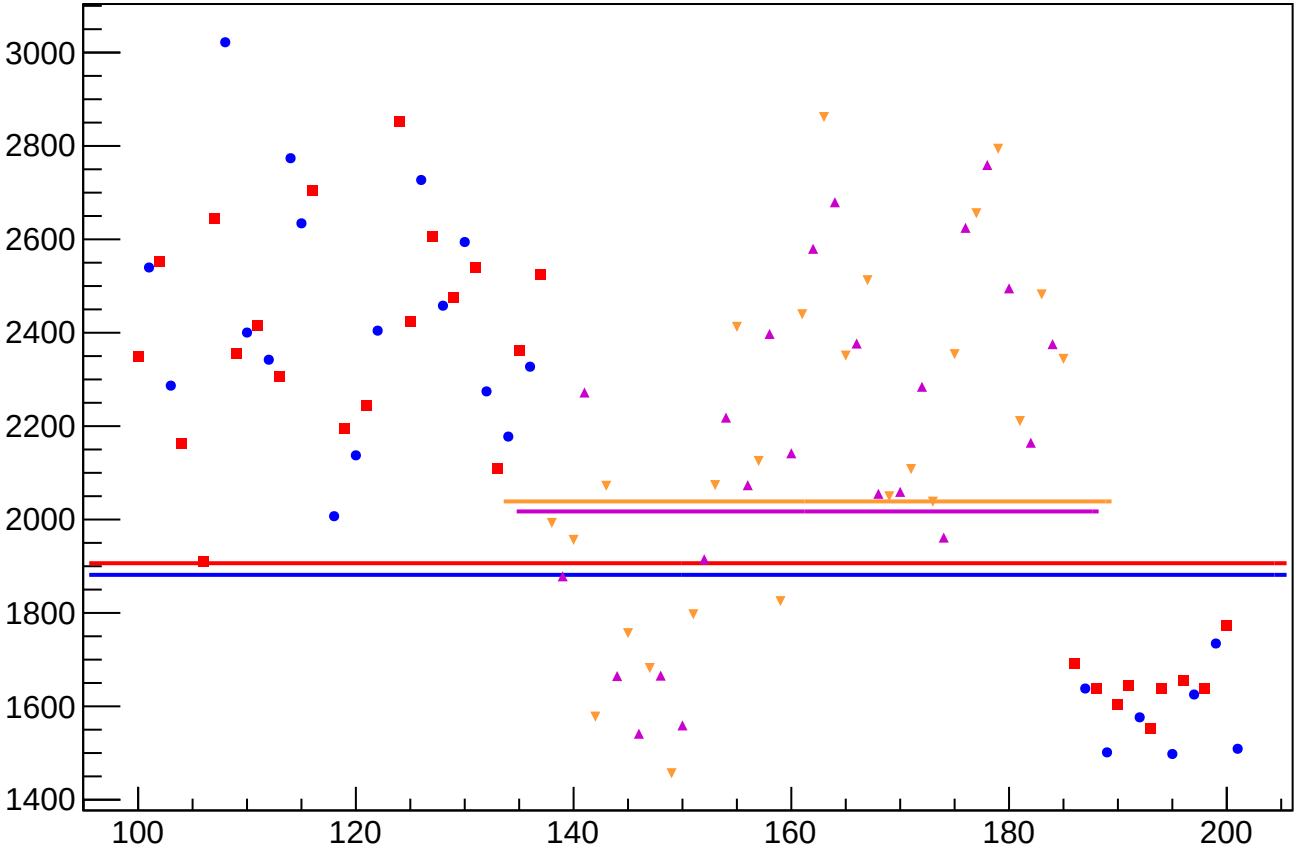
Right: 55.372+/-0.380 χ^2/NDF: 16105.5/50

In: 0.933+/-0.362 χ^2/NDF:51149.8/45

Out: 20.677+/-0.351 χ^2/NDF:8799.3/52

All: 11.117+/-0.252 χ^2/NDF: 61481.5/98

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: 1906.467+/-0.372 χ^2/NDF: 950273.3/27

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

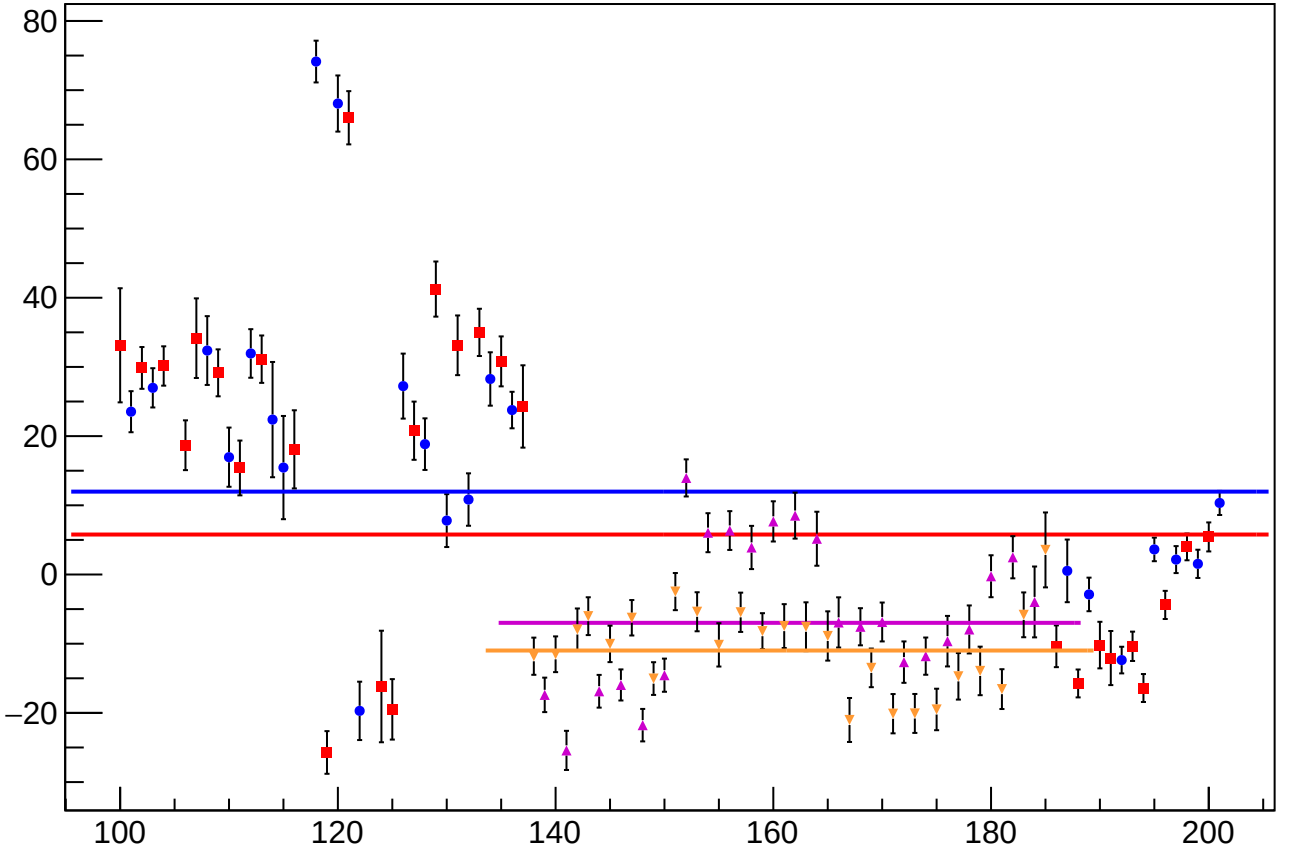
Right: 1894.595+/-0.269 χ^2/NDF: 2089844.9/50

In: 1958.591+/-0.256 χ^2/NDF:2256439.3/45

Out: 1979.761+/-0.248 χ^2/NDF:2144037.6/52

All: 1969.511+/-0.178 χ^2/NDF: 4404000.3/98

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: 5.778+/-0.583 χ^2/NDF: 1342.2/27

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

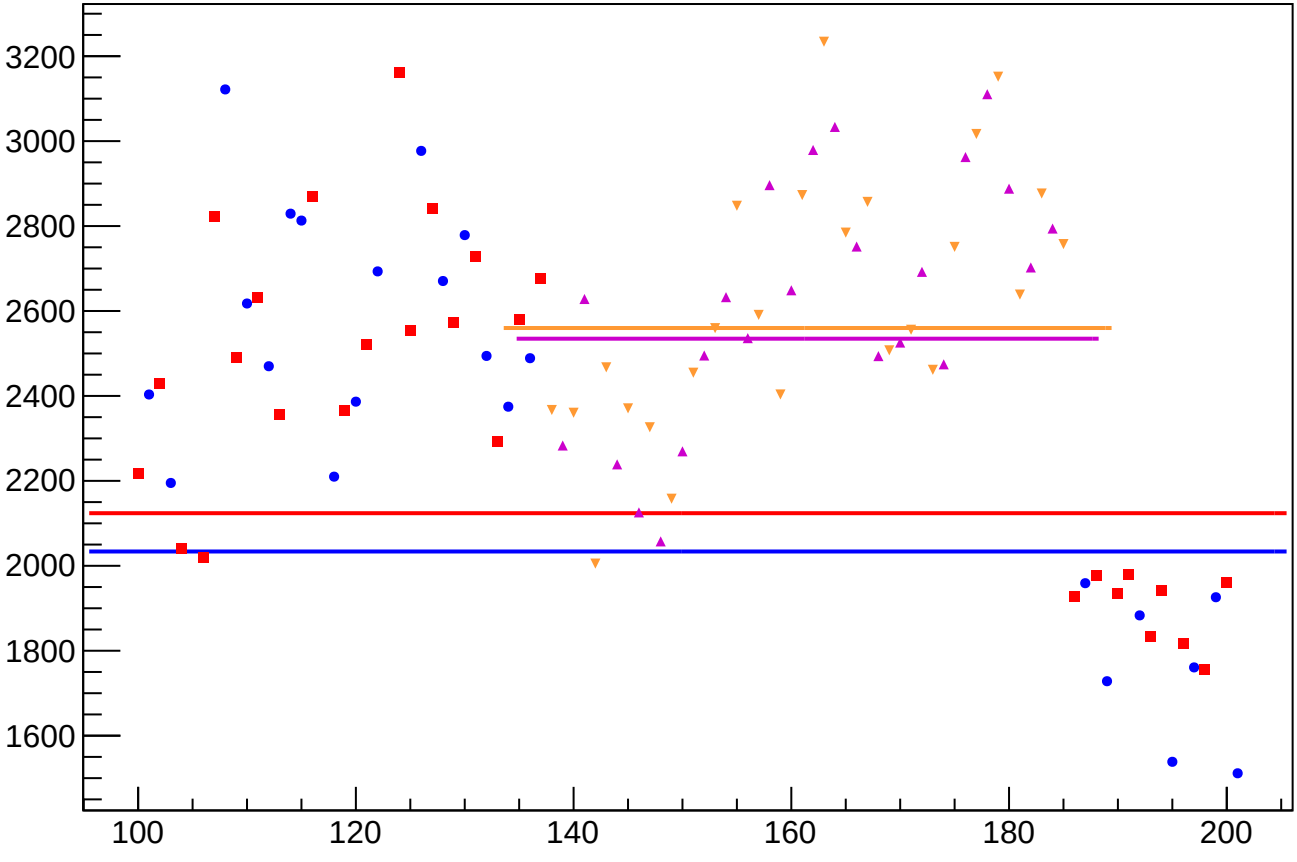
Right: 8.805+/-0.417 χ^2/NDF: 2497.8/50

In: 2.520+/-0.423 χ^2/NDF:1943.2/45

Out: -2.563+/-0.413 χ^2/NDF:1841.0/52

All: -0.078+/-0.295 χ^2/NDF: 3858.2/98

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: 2123.885+/-0.412 χ^2/NDF: 629069.2/27

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

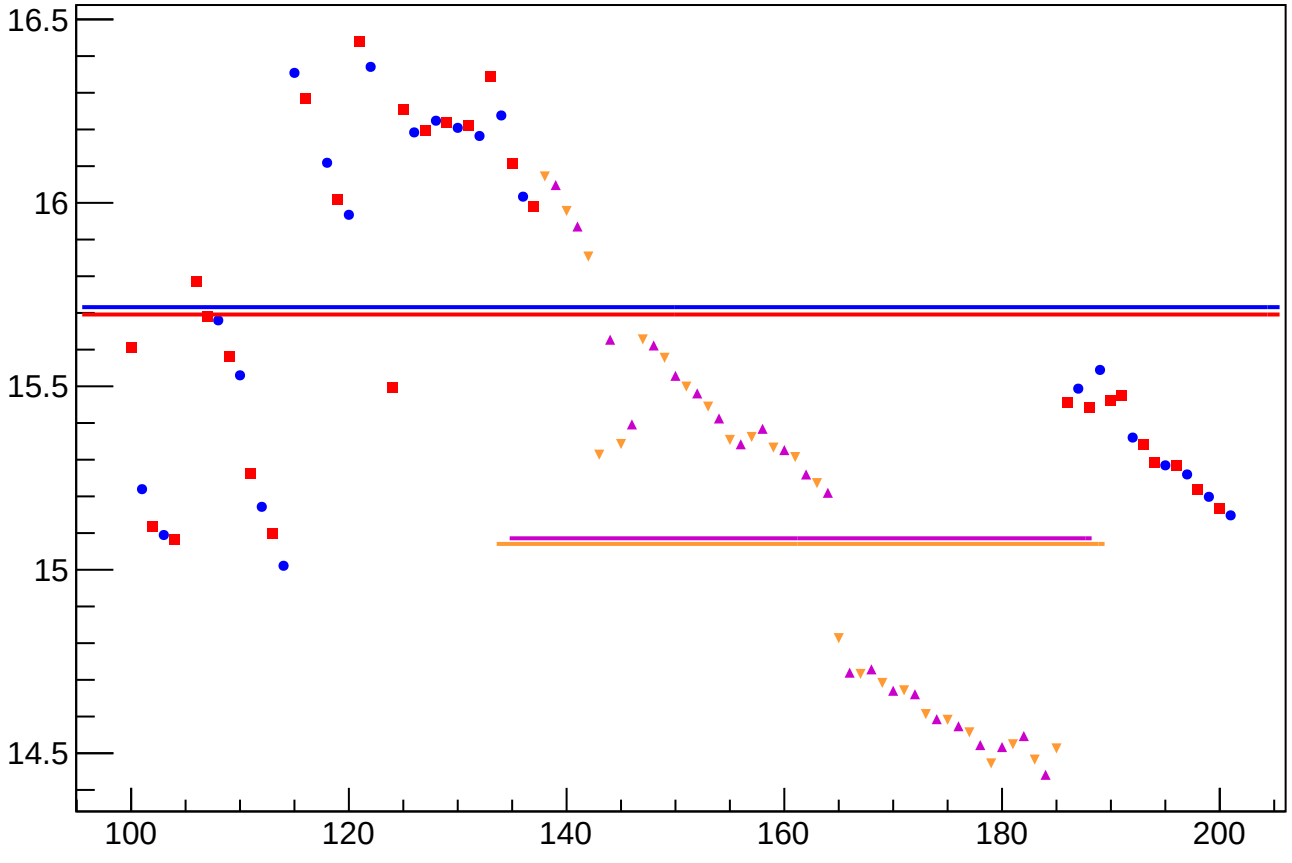
Right: 2079.863+/-0.295 χ^2/NDF: 1722639.9/50

In: 2283.630+/-0.299 χ^2/NDF:2236570.9/45

Out: 2340.836+/-0.292 χ^2/NDF:1635881.9/52

All: 2312.875+/-0.209 χ^2/NDF: 3891183.3/98

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.716+/-0.000 χ^2/NDF: 12067810186.8/22

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.696+/-0.000 χ^2/NDF: 11654277425.7/27

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

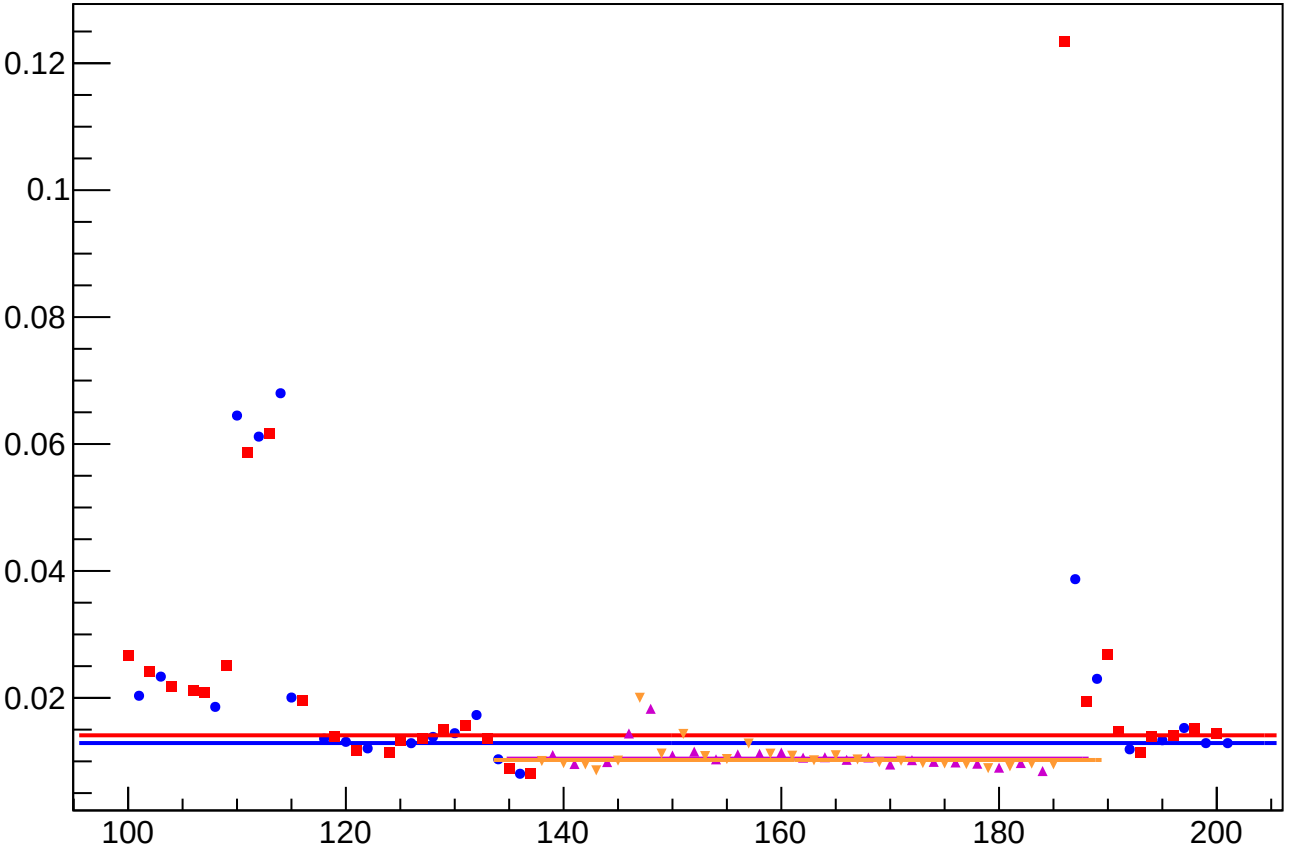
Right: 15.706+/-0.000 χ^2/NDF: 23733954833.0/50

In: 15.263+/-0.000 χ^2/NDF:69178630261.8/45

Out: 15.224+/-0.000 χ^2/NDF:72037981537.5/52

All: 15.243+/-0.000 χ^2/NDF: 141387099509.

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: 3230578.2/27

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

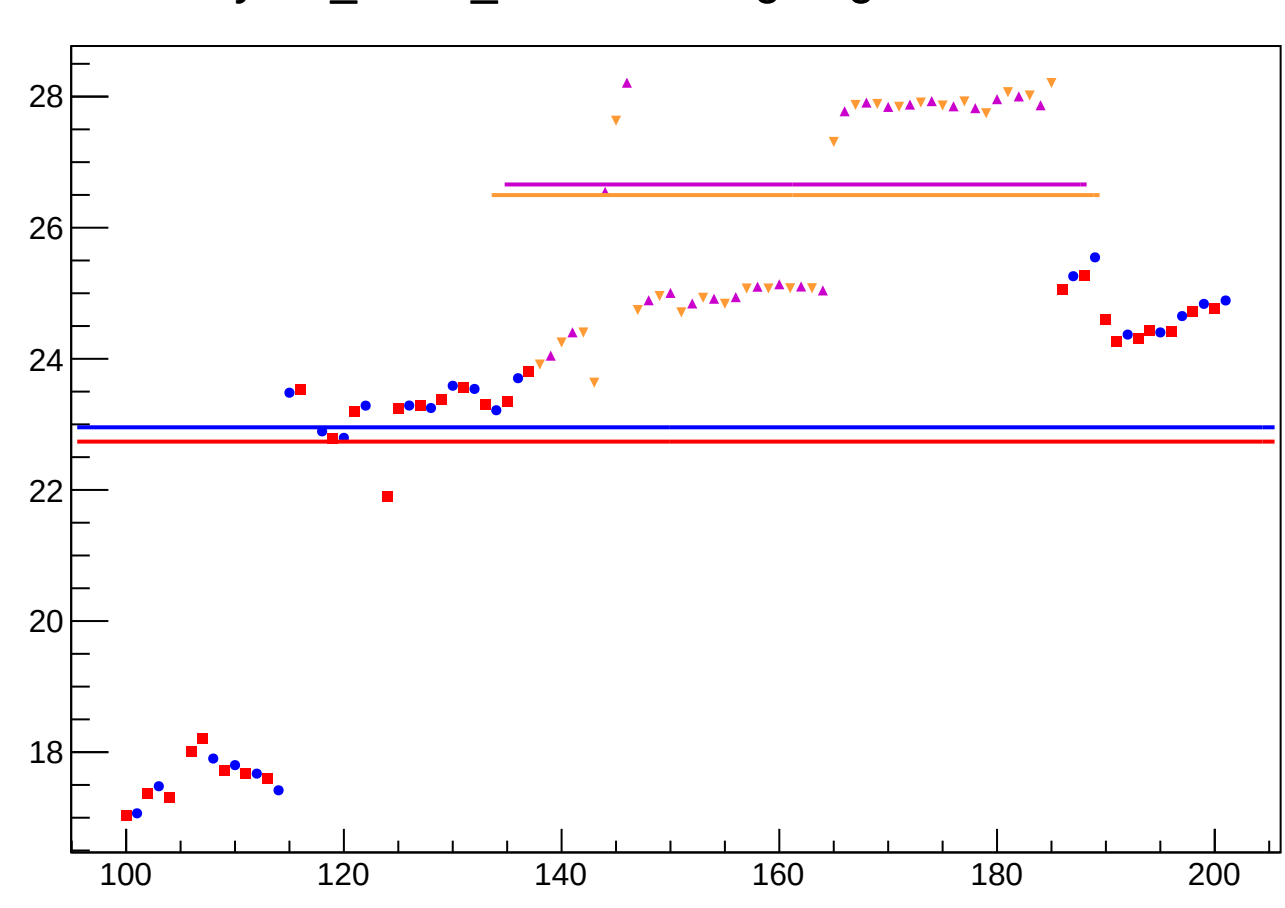
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6056385.4/50

In: 0.011+/-0.000 χ^2/NDF:3870879.7/45

Out: 0.011+/-0.000 χ^2/NDF:5278737.3/52

All: 0.011+/-0.000 χ^2/NDF: 9150232.7/98



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: 22.737+/-0.000 χ^2/NDF: 1461729830.9/27

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

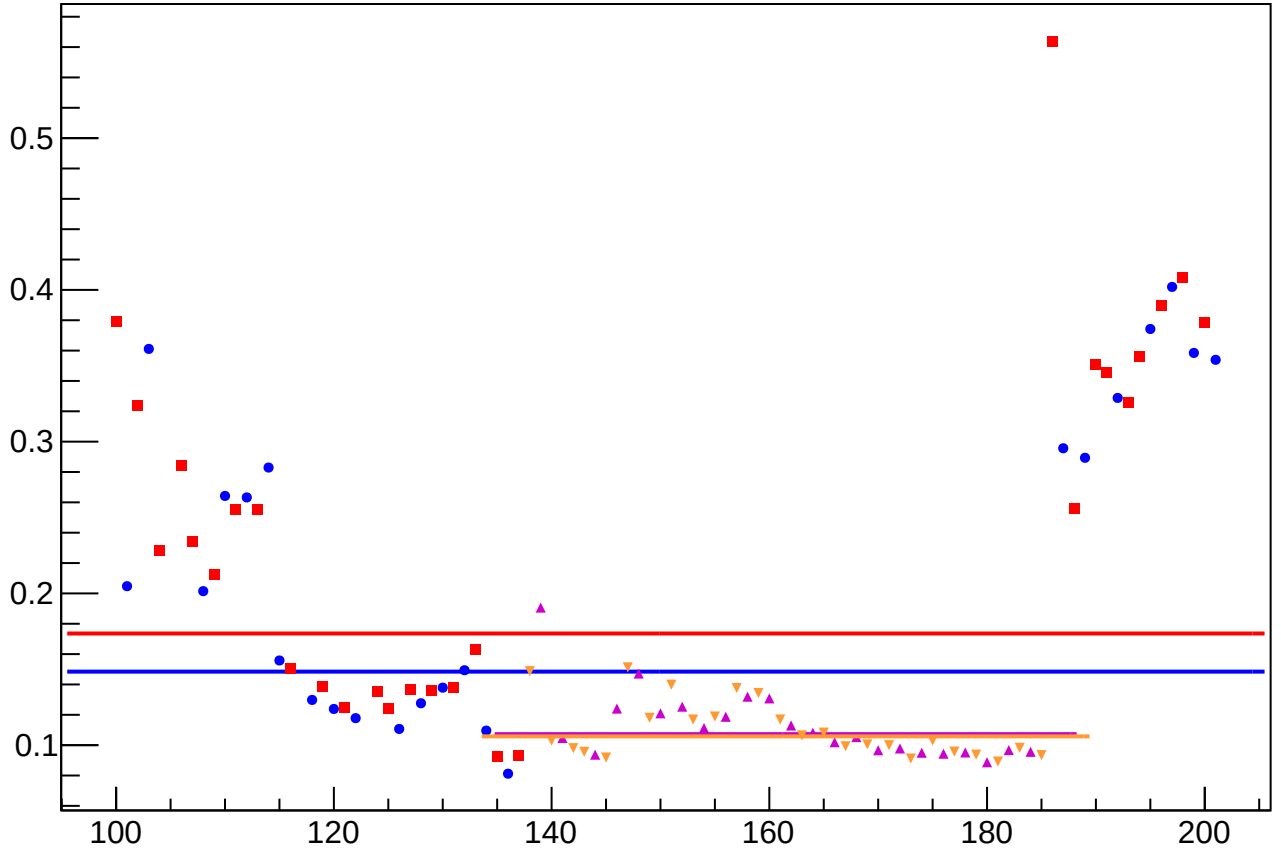
Right: 22.855+/-0.000 χ^2/NDF: 2851685704.1/50

In: 25.843+/-0.000 χ^2/NDF:8383841564.6/45

Out: 25.813+/-0.000 χ^2/NDF:9191386003.1/52

All: 25.827+/-0.000 χ^2/NDF: 17576034896.1

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: 0.174+/-0.000 χ^2/NDF: 5309053.4/27

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

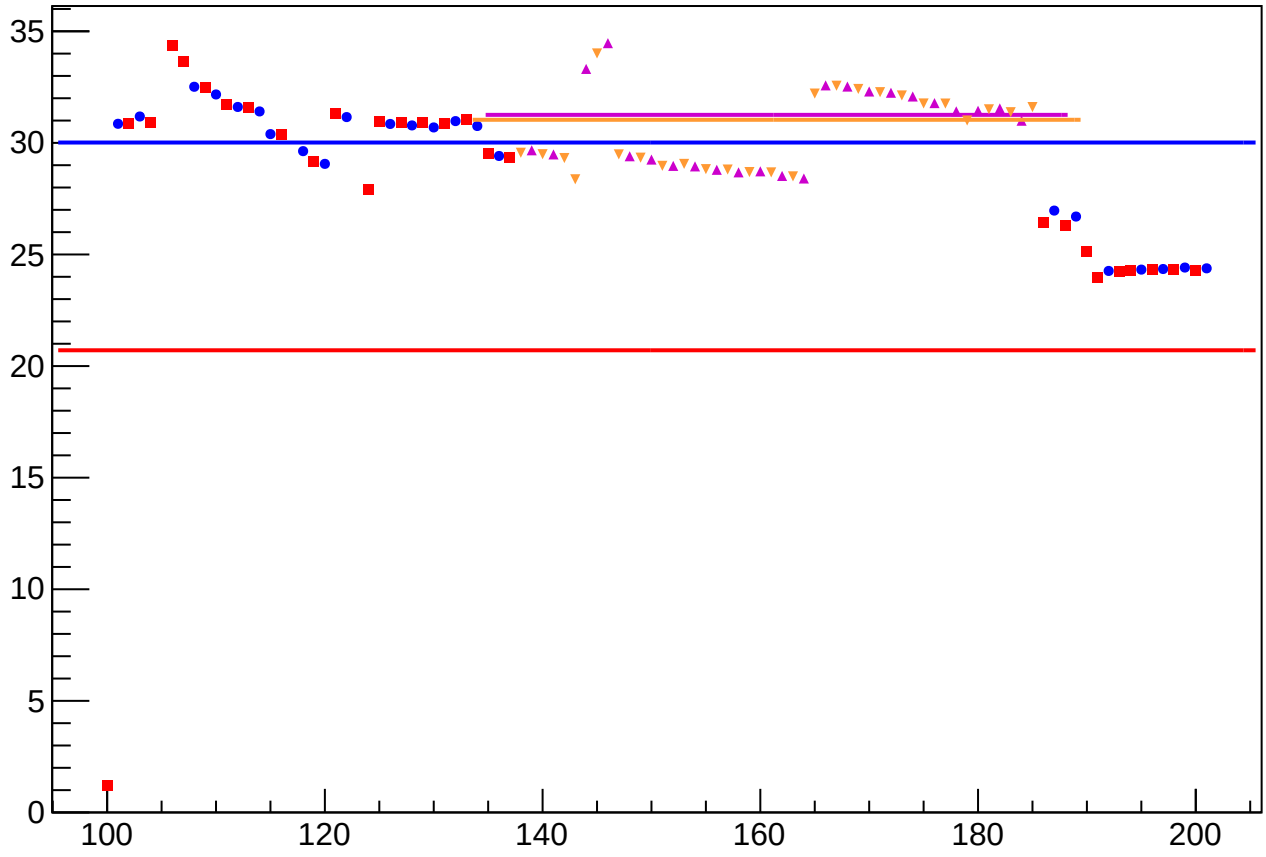
Right: 0.160+/-0.000 χ^2/NDF: 10982545.7/50

In: 0.116+/-0.000 χ^2/NDF:7326687.7/45

Out: 0.118+/-0.000 χ^2/NDF:8548021.6/52

All: 0.117+/-0.000 χ^2/NDF: 15880392.3/98

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: 20.707+/-0.000 χ^2/NDF: 223961446018.2/27

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

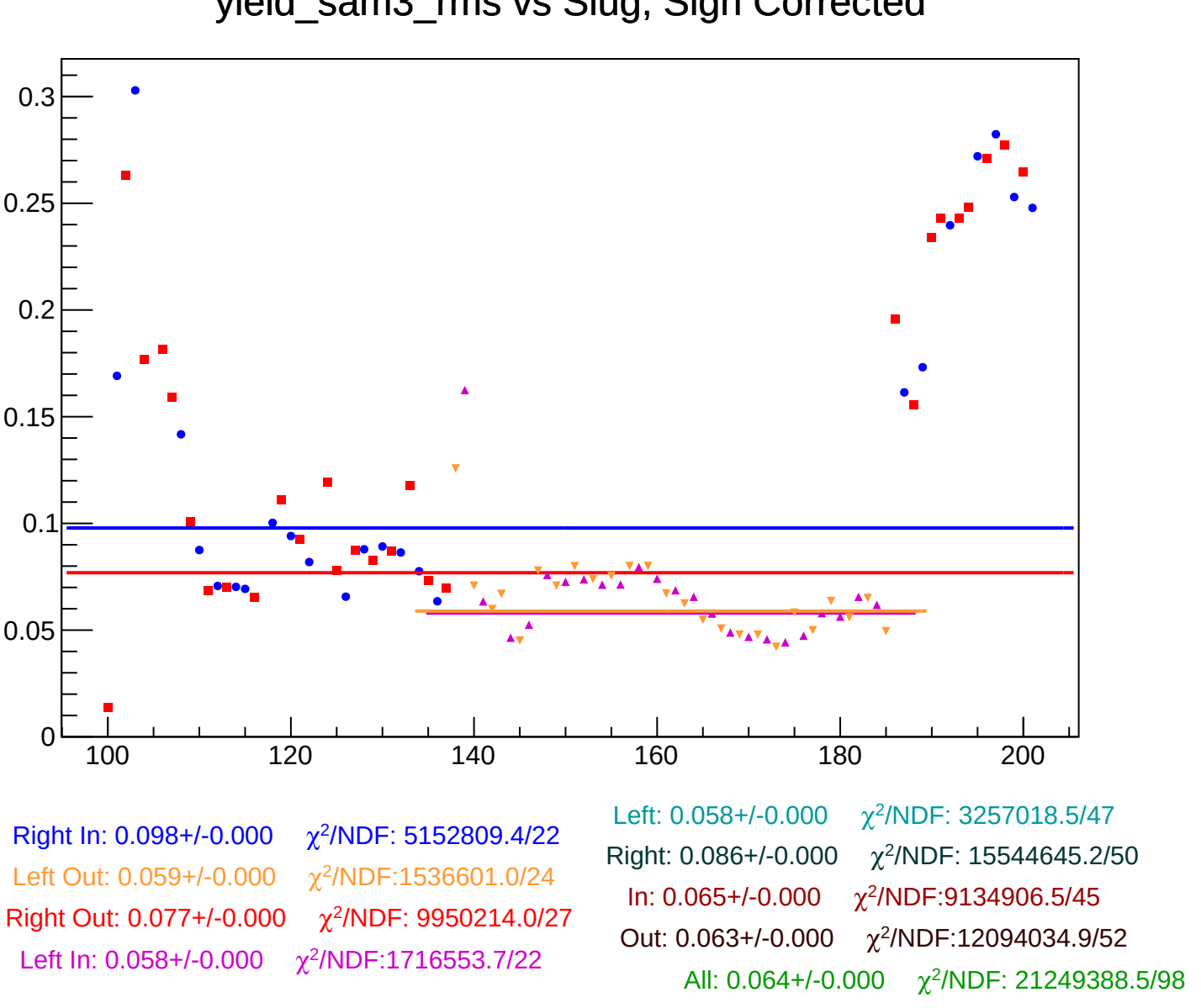
Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

Right: 24.583+/-0.000 χ^2/NDF: 270731211646.6/50

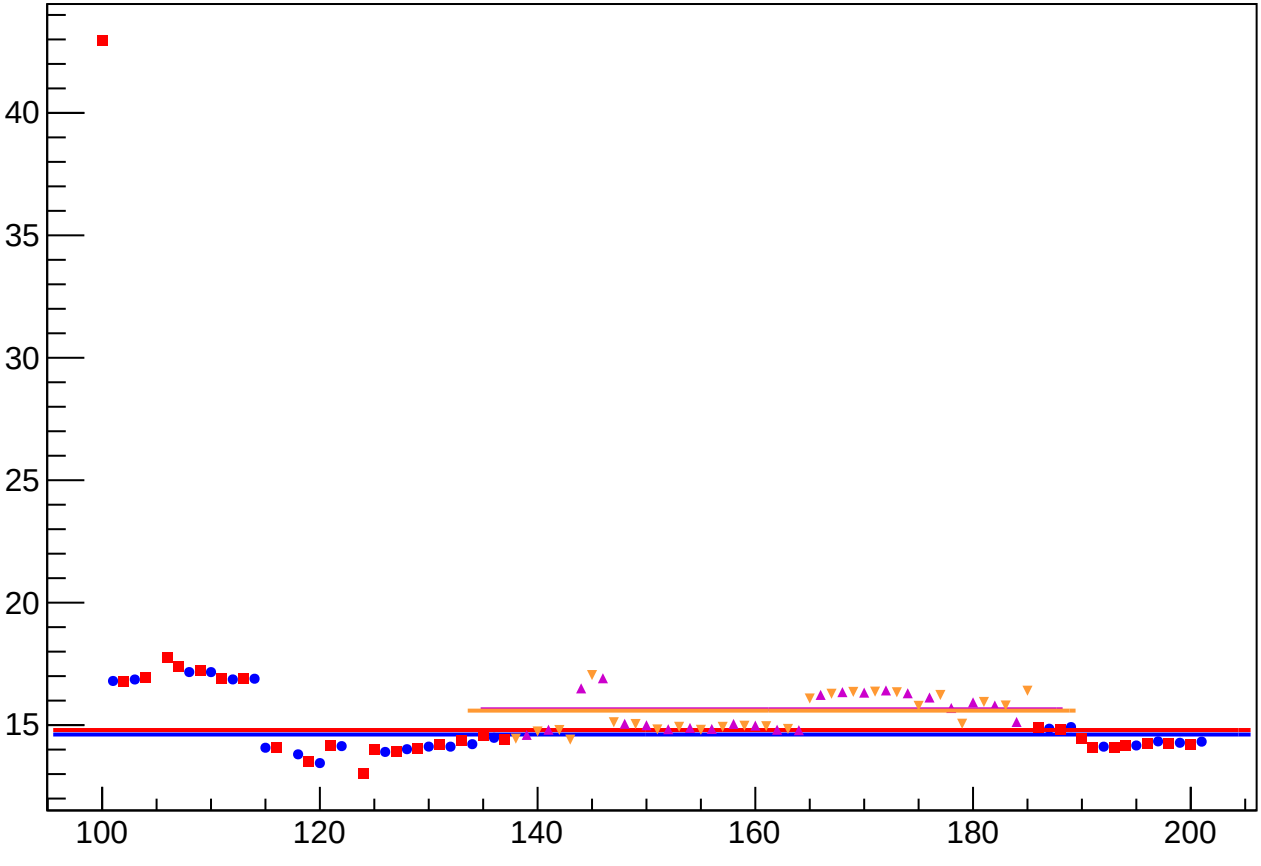
In: 31.042+/-0.000 χ^2/NDF:16908259292.6/45

Out: 28.764+/-0.000 χ^2/NDF:336297534482.6/52

All: 29.848+/-0.000 χ^2/NDF: 366759520470.


yield_sam3_rms vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.098+/-0.000 χ²/NDF: 5152809.4/22
Left Out: 0.059+/-0.000 χ²/NDF:1536601.0/24
Right Out: 0.077+/-0.000 χ²/NDF: 9950214.0/27
Left In: 0.058+/-0.000 χ²/NDF:1716553.7/22
Left: 0.058+/-0.000 χ²/NDF: 3257018.5/47
Right: 0.086+/-0.000 χ²/NDF: 15544645.2/50
In: 0.065+/-0.000 χ²/NDF:9134906.5/45
Out: 0.063+/-0.000 χ²/NDF:12094034.9/52
All: 0.064+/-0.000 χ²/NDF: 21249388.5/98

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: 14.799+/-0.000 χ^2/NDF: 1769499596.8/27

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

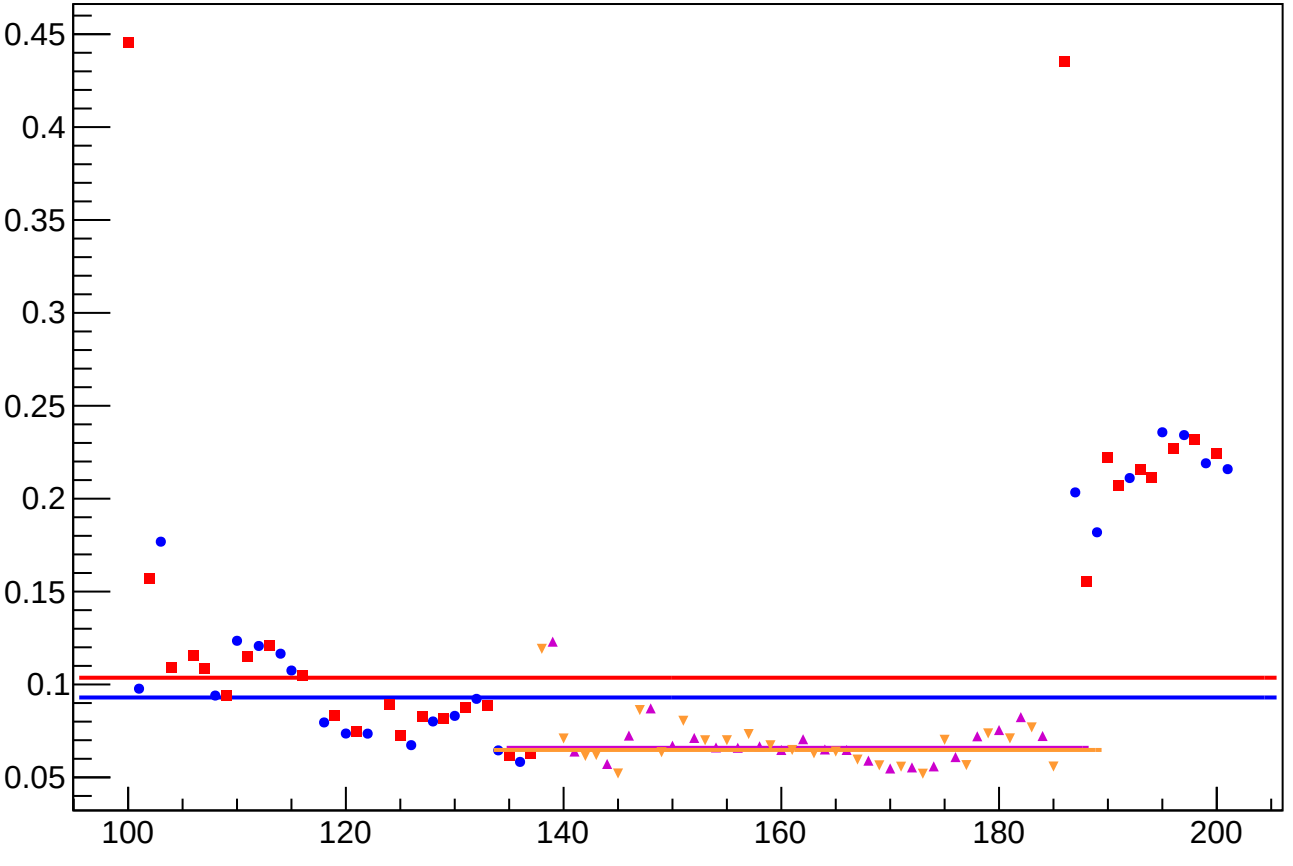
Right: 14.703+/-0.000 χ^2/NDF: 2995706226.4/50

In: 15.412+/-0.000 χ^2/NDF:3924209539.1/45

Out: 15.435+/-0.000 χ^2/NDF:4509561872.3/52

All: 15.424+/-0.000 χ^2/NDF: 8435032776.9/9

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: 0.104+/-0.000 χ^2/NDF: 4599600.3/27

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

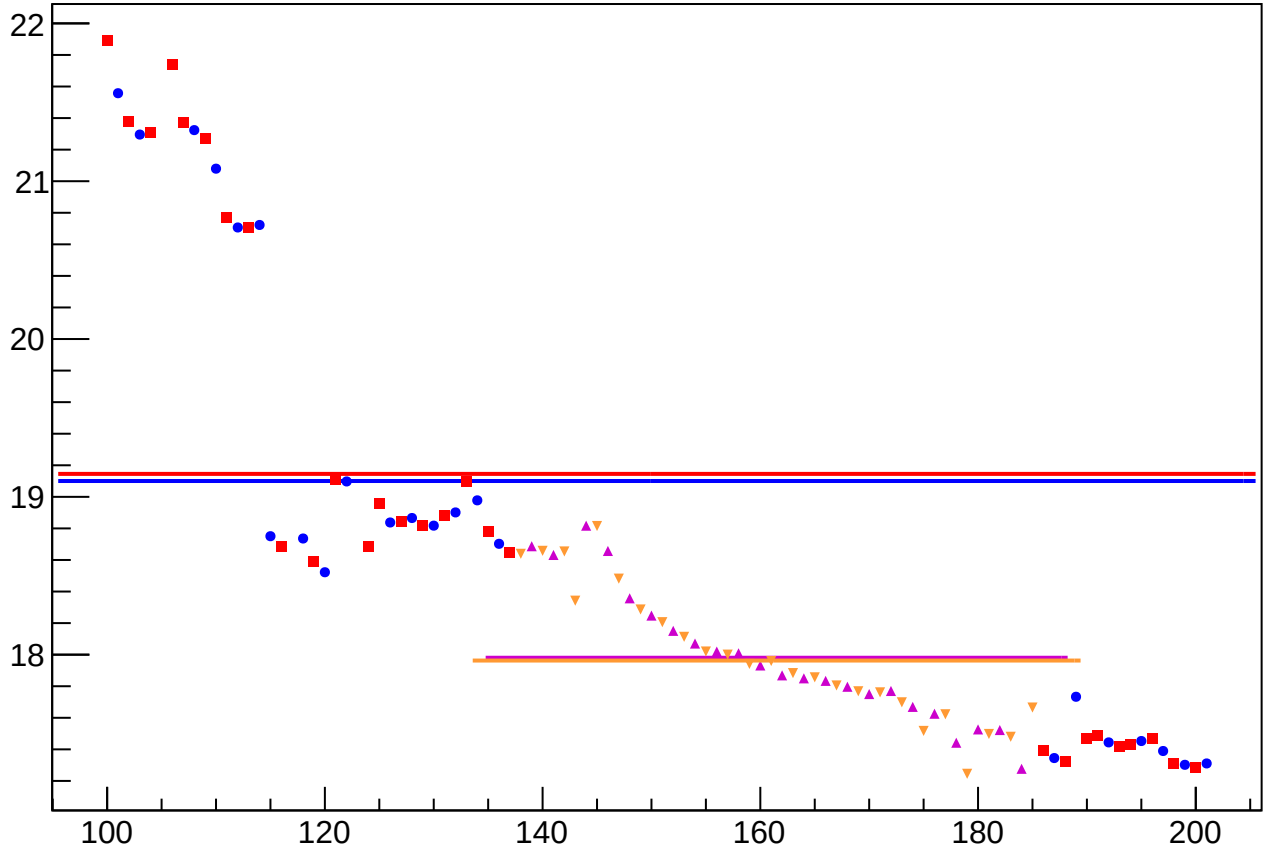
Right: 0.098+/-0.000 χ^2/NDF: 9237578.4/50

In: 0.072+/-0.000 χ^2/NDF:6501154.8/45

Out: 0.072+/-0.000 χ^2/NDF:7780880.1/52

All: 0.072+/-0.000 χ^2/NDF: 14282755.6/98

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: 19.145+/-0.000 χ^2/NDF: 29137202982.7/27

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

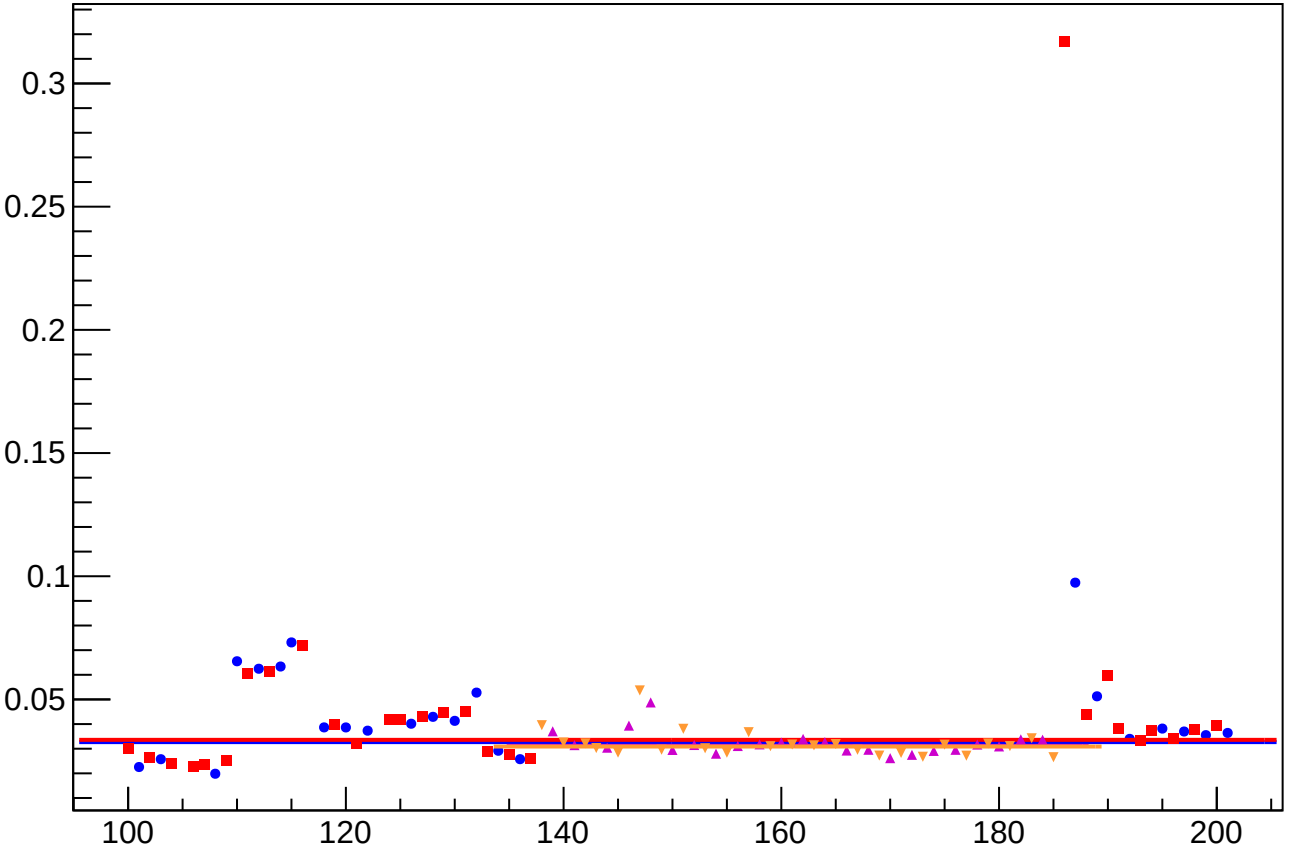
Right: 19.123+/-0.000 χ^2/NDF: 55272856061.3/50

In: 18.381+/-0.000 χ^2/NDF:36856612827.6/45

Out: 18.377+/-0.000 χ^2/NDF:41573191693.3/52

All: 18.379+/-0.000 χ^2/NDF: 78430031668.8

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: 2222071.4/27

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

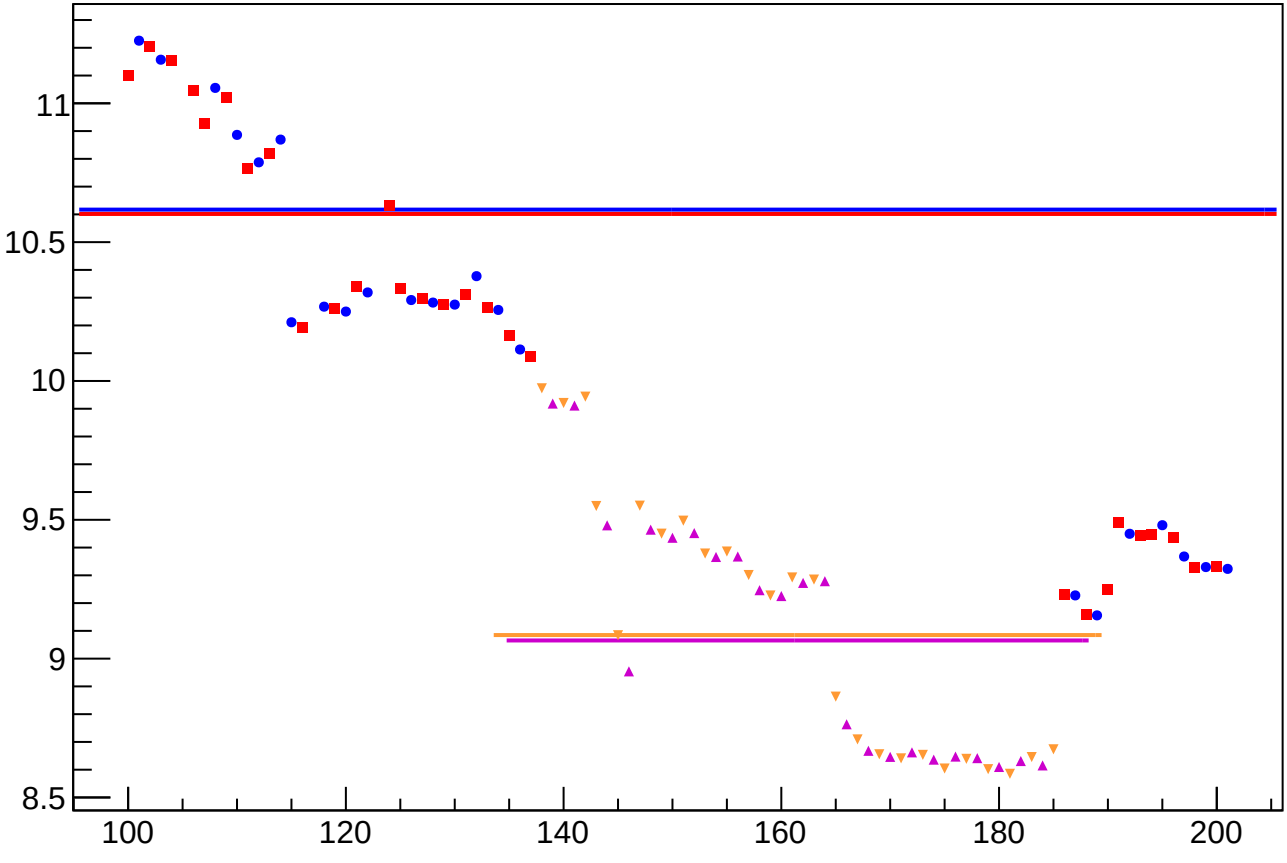
Right: 0.033+/-0.000 χ^2/NDF: 4125518.7/50

In: 0.032+/-0.000 χ^2/NDF:2408121.2/45

Out: 0.032+/-0.000 χ^2/NDF:2953977.7/52

All: 0.032+/-0.000 χ^2/NDF: 5362743.0/98

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: 10.602+/-0.000 χ^2/NDF: 9804533059.4/27

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

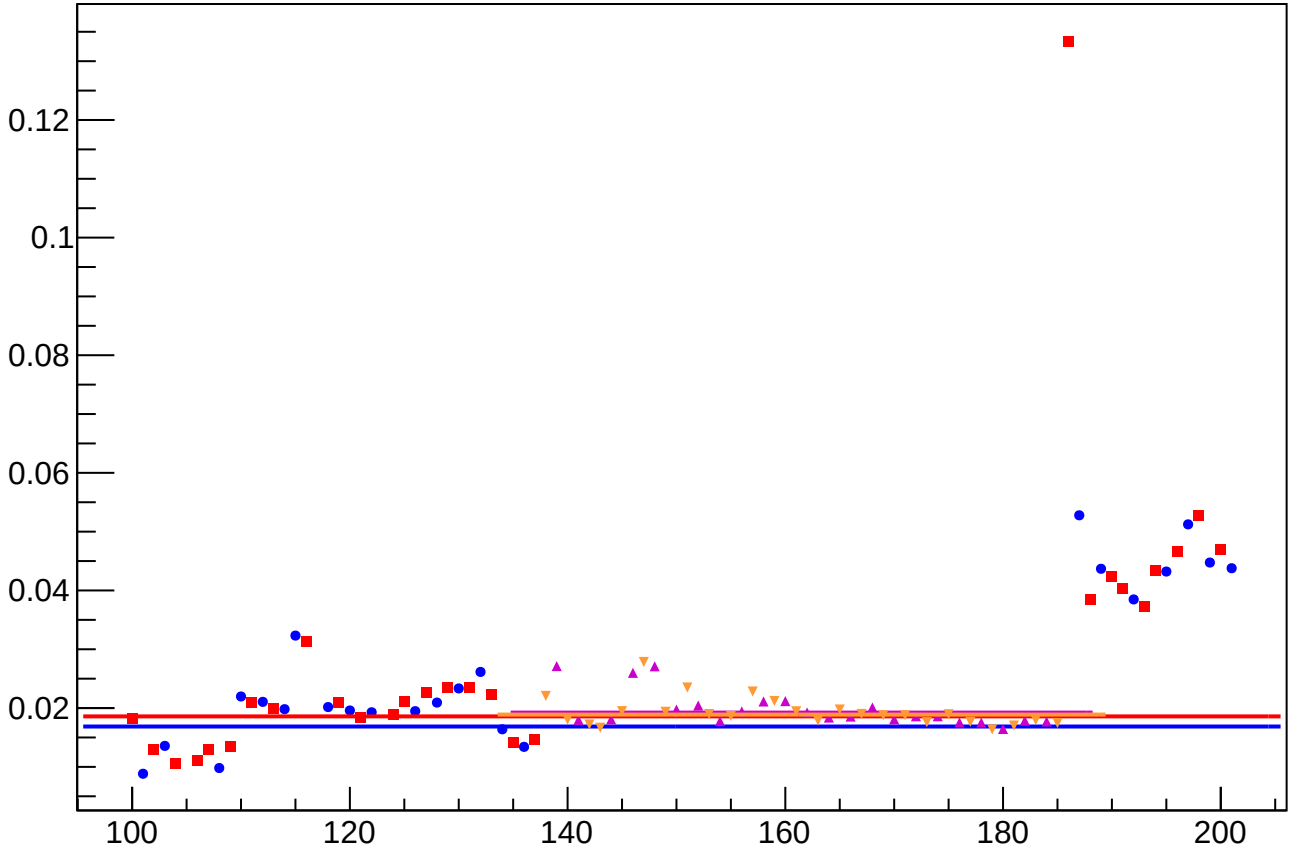
Right: 10.610+/-0.000 χ^2/NDF: 20133618242.4/50

In: 9.691+/-0.000 χ^2/NDF:61830589069.7/45

Out: 9.642+/-0.000 χ^2/NDF:61624666843.2/52

All: 9.666+/-0.000 χ^2/NDF: 123546353327.9

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: 5858968.6/27

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

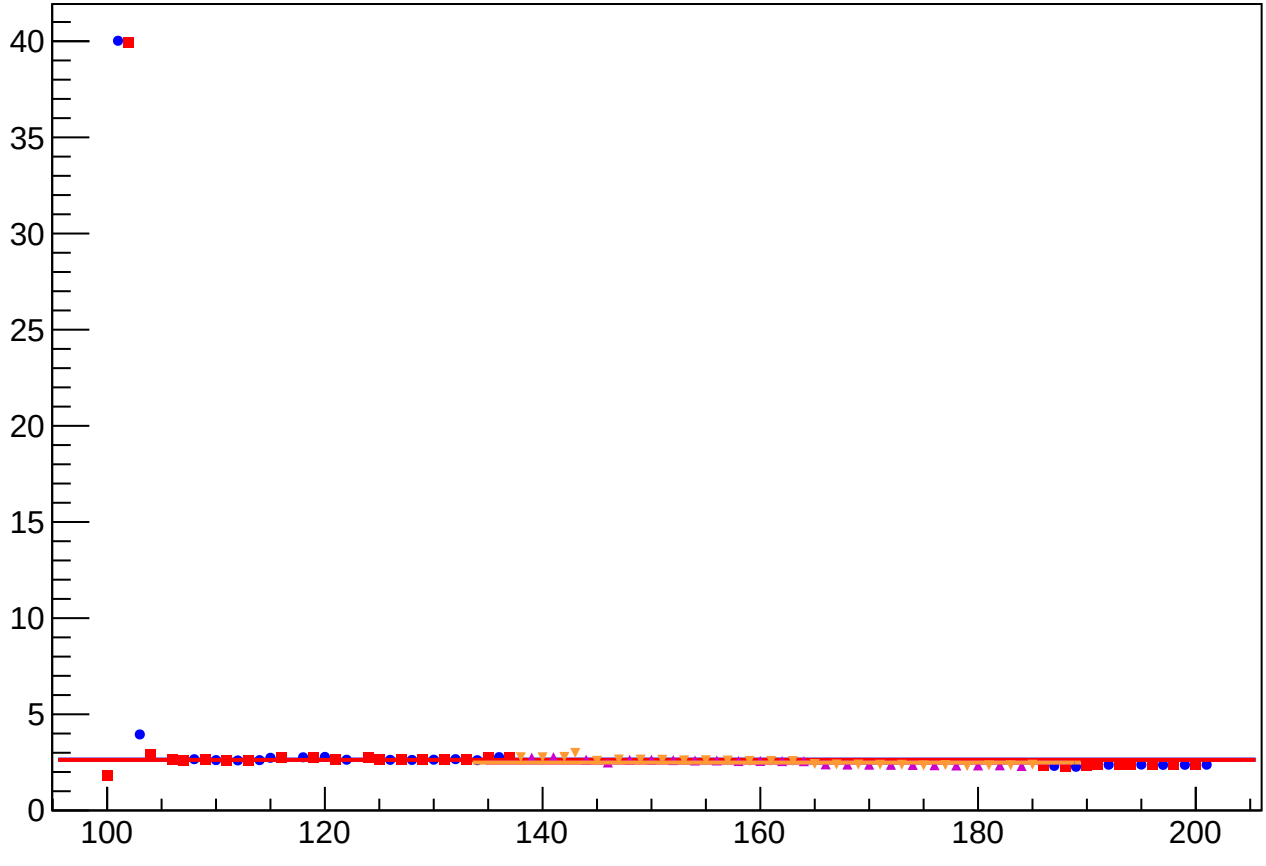
Right: 0.018+/-0.000 χ^2/NDF: 11578381.1/50

In: 0.018+/-0.000 χ^2/NDF:6375371.6/45

Out: 0.019+/-0.000 χ^2/NDF:6303766.7/52

All: 0.019+/-0.000 χ^2/NDF: 12698511.5/98

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: 2.629+/-0.000 χ^2/NDF: 77147821132.4/27

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

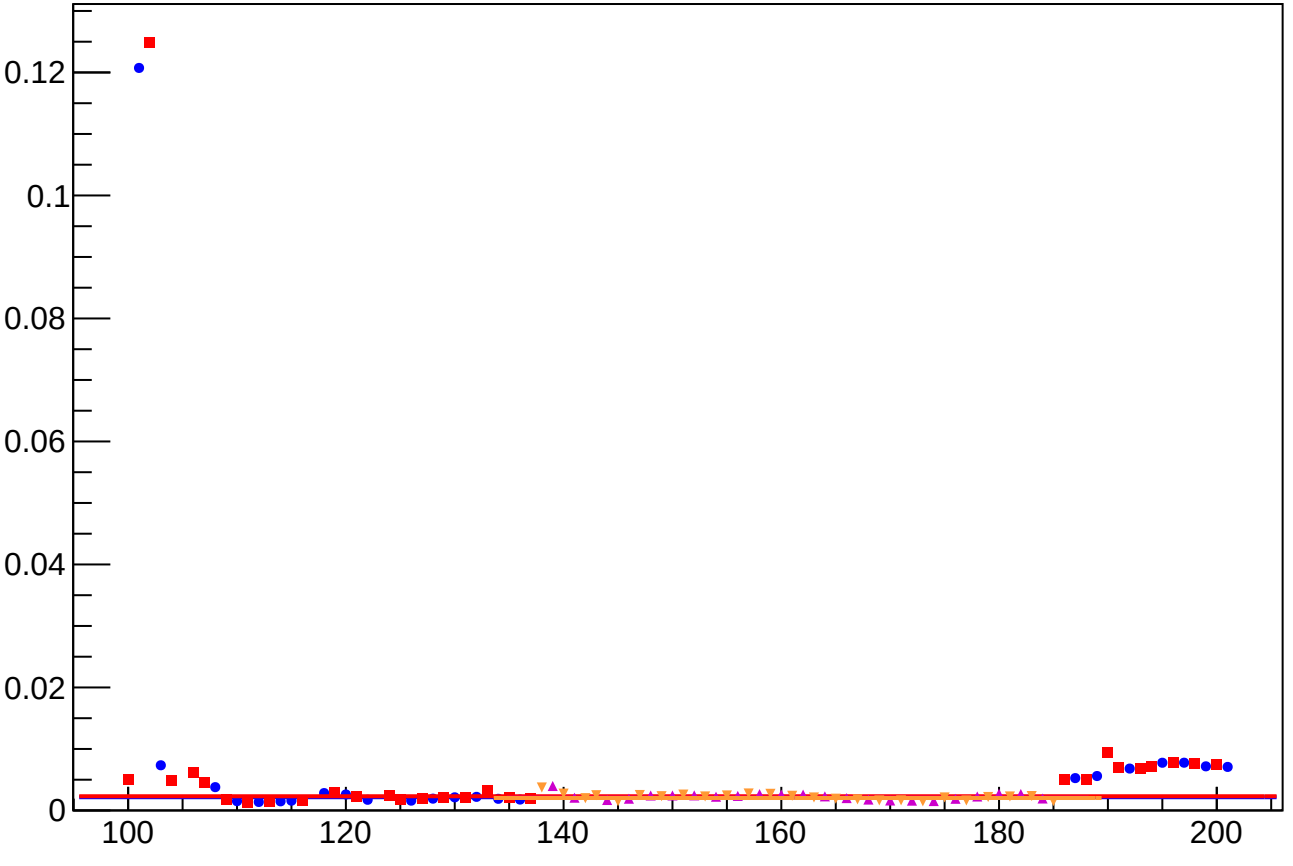
Right: 2.636+/-0.000 χ^2/NDF: 154282081104.6/50

In: 2.537+/-0.000 χ^2/NDF:163758768402.0/45

Out: 2.531+/-0.000 χ^2/NDF:190220119856.2/52

All: 2.534+/-0.000 χ^2/NDF: 354054412426.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6903941.6/22

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8260007.5/27

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

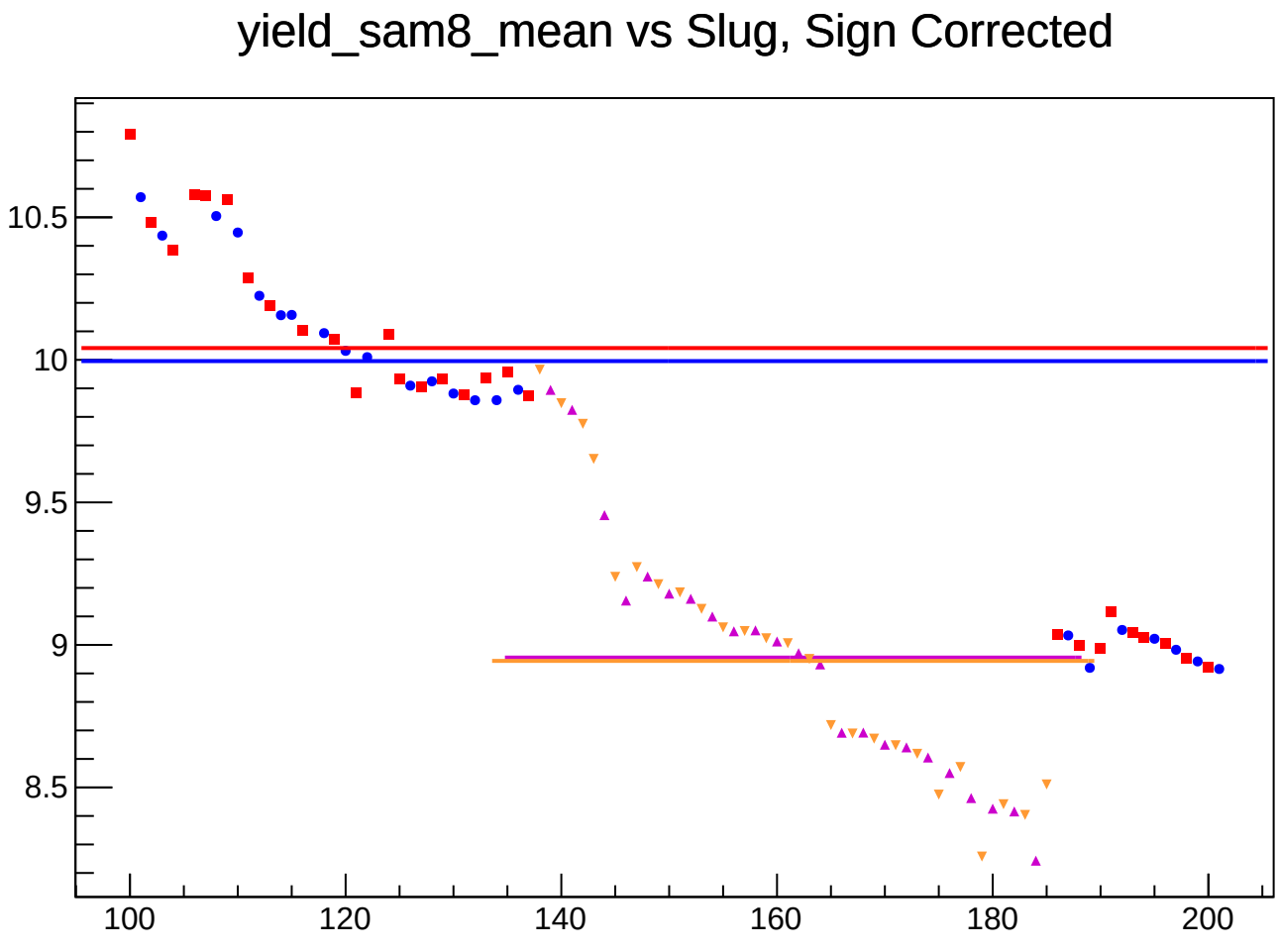
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 15202839.4/50

In: 0.002+/-0.000 χ^2/NDF:8322111.6/45

Out: 0.002+/-0.000 χ^2/NDF:9996255.4/52

All: 0.002+/-0.000 χ^2/NDF: 18319460.1/98



Right In: 9.996+/-0.000 χ^2/NDF: 33101145563.2/22

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.041+/-0.000 χ^2/NDF: 38756972293.0/27

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

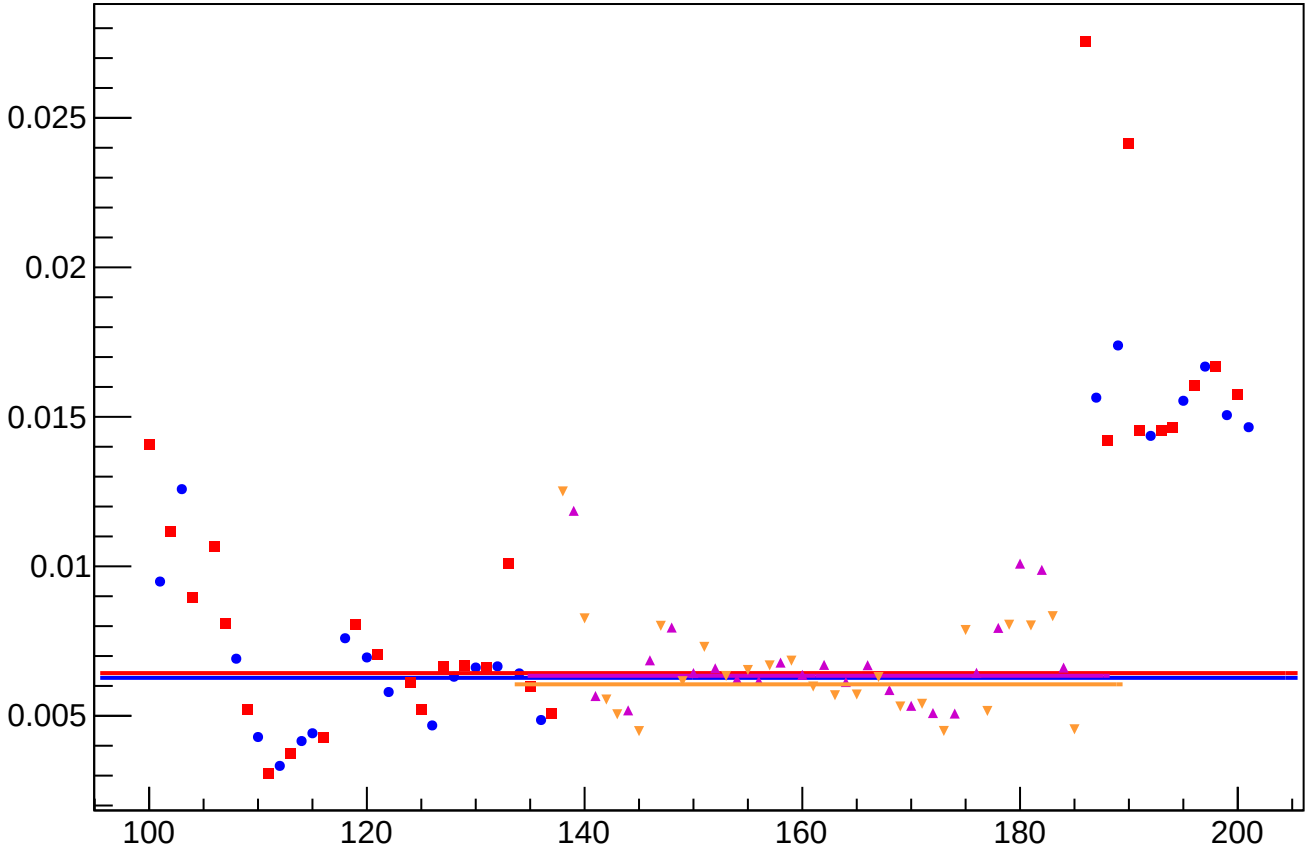
Right: 10.019+/-0.000 χ^2/NDF: 72085839106.9/50

In: 9.342+/-0.000 χ^2/NDF:230375562441.5/45

Out: 9.325+/-0.000 χ^2/NDF:278617480773.7/52

All: 9.333+/-0.000 χ^2/NDF: 509089726625.0

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: 0.006+/-0.000 χ^2/NDF: 6691650.9/27

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

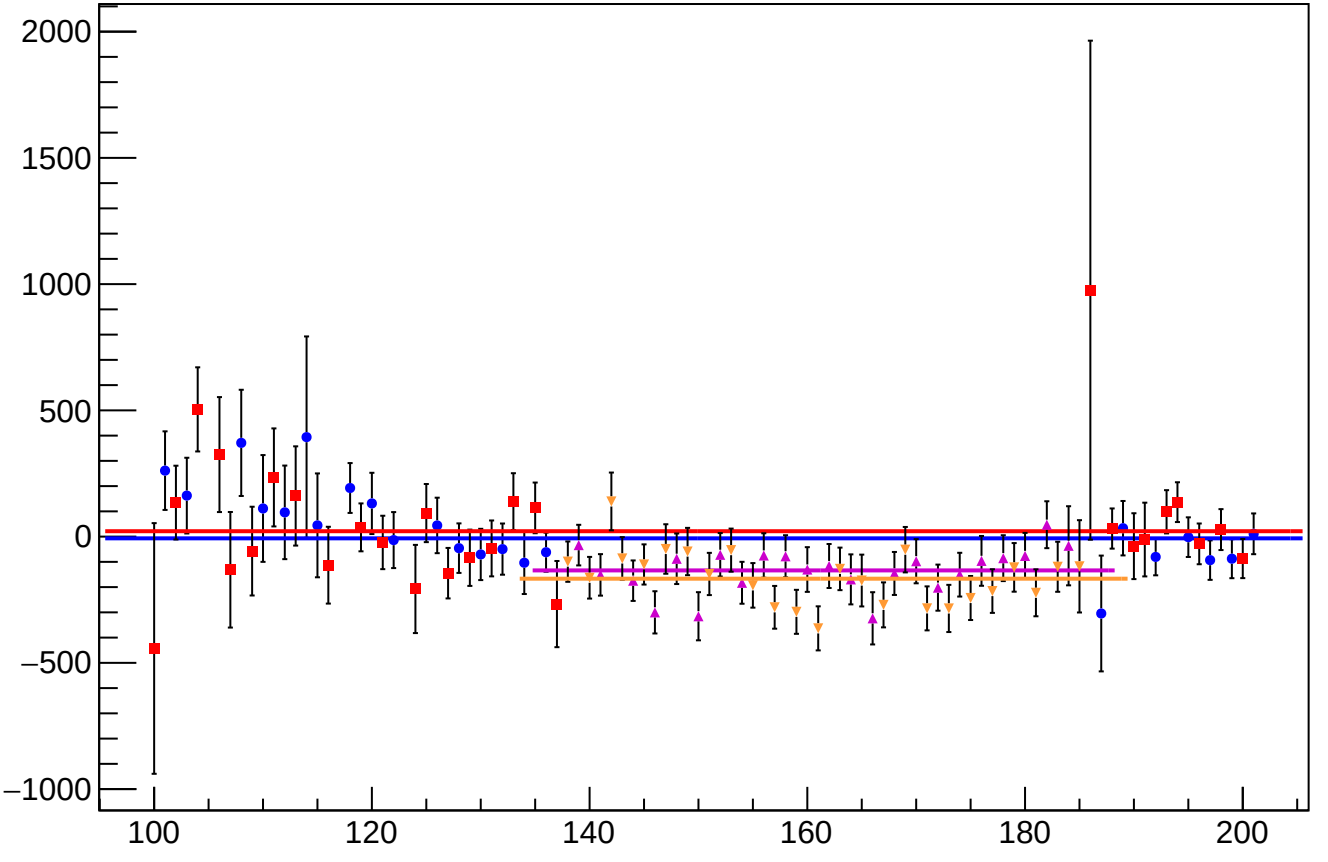
Right: 0.006+/-0.000 χ^2/NDF: 11848109.1/50

In: 0.006+/-0.000 χ^2/NDF:6327537.6/45

Out: 0.006+/-0.000 χ^2/NDF:8193363.0/52

All: 0.006+/-0.000 χ^2/NDF: 14531142.7/98

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: 21.387+/-21.973 χ^2/NDF: 32.4/27

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

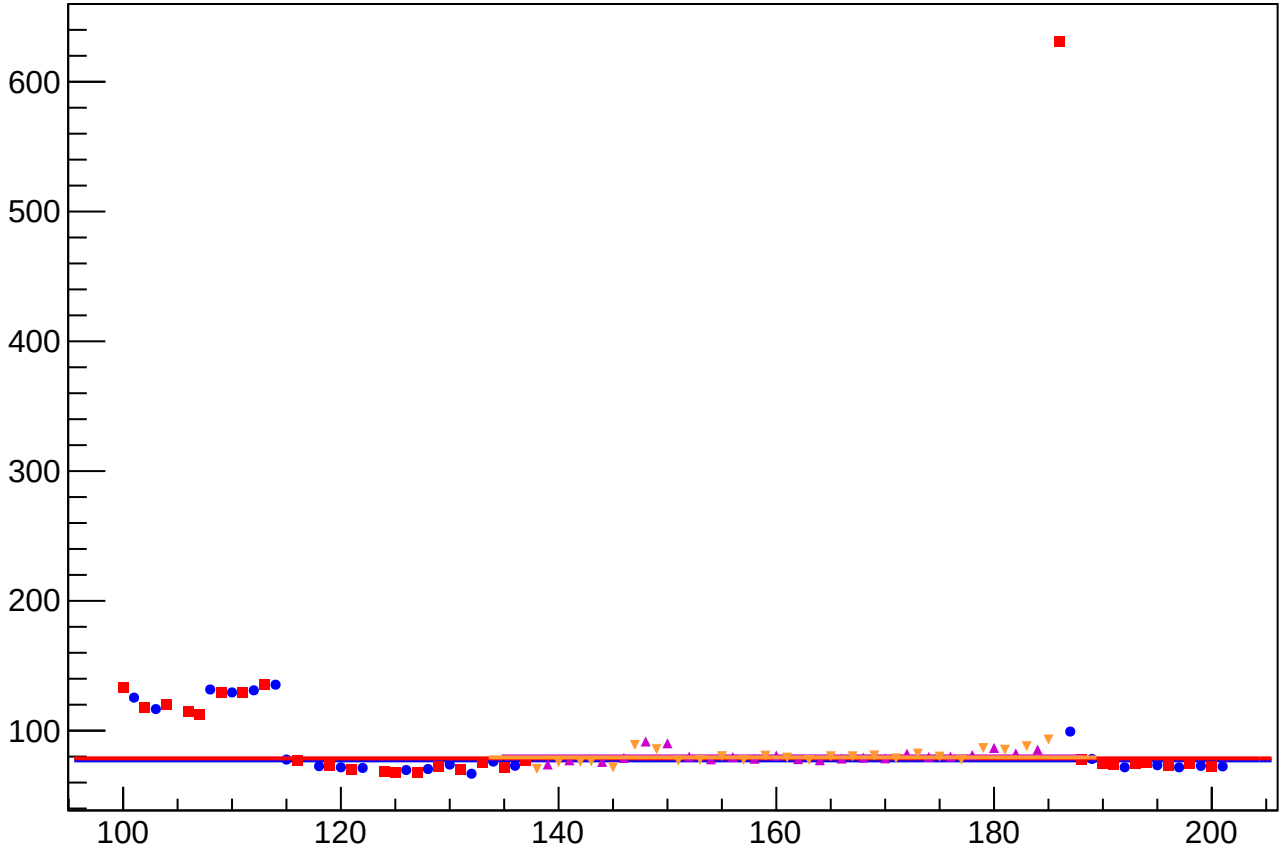
Right: 7.519+/-15.680 χ^2/NDF: 55.0/50

In: -81.464+/-14.376 χ^2/NDF:61.5/45

Out: -90.757+/-13.961 χ^2/NDF:107.7/52

All: -86.247+/-10.015 χ^2/NDF: 169.4/98

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: 78.640+/-0.016 χ^2/NDF: 1618486.5/27

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

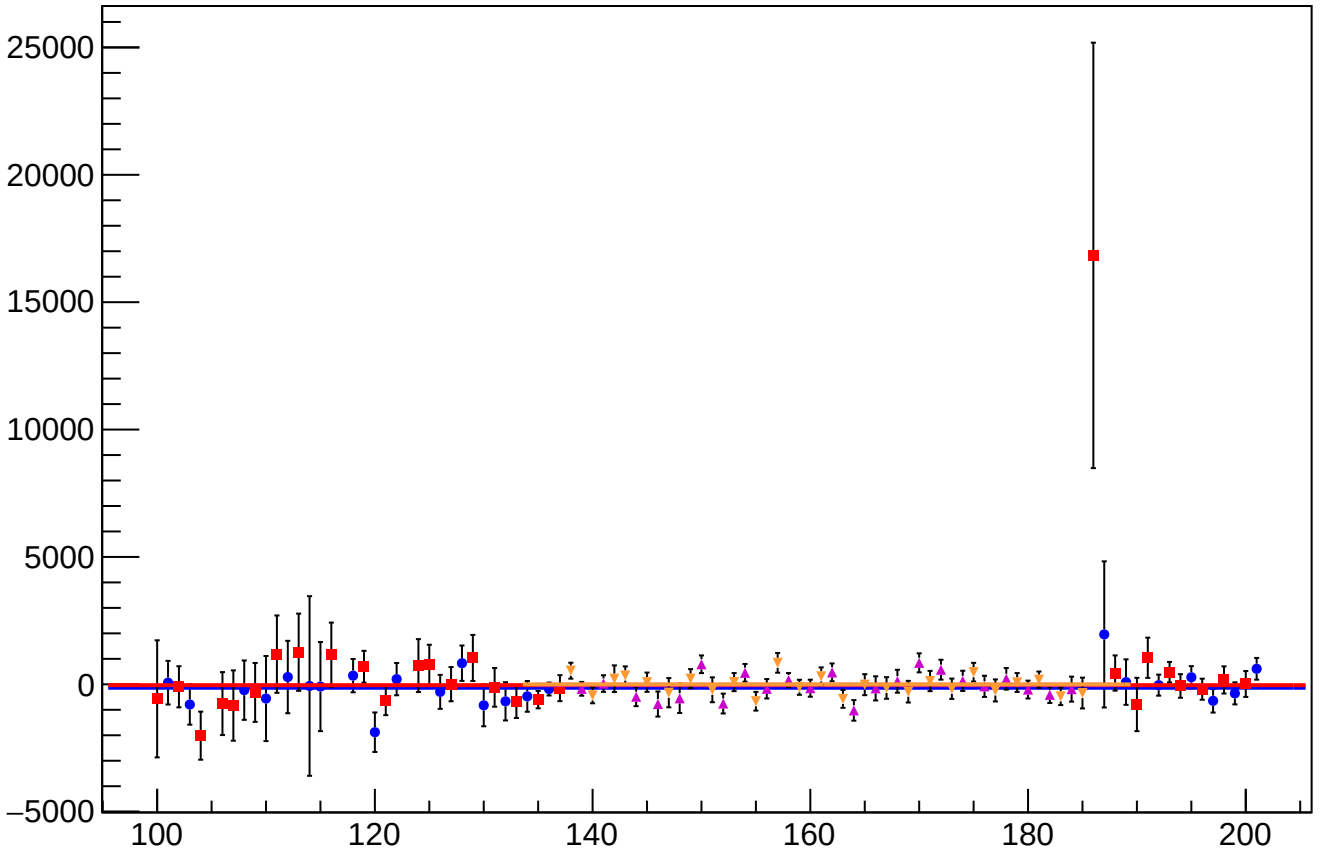
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 77.892+/-0.011 χ^2/NDF: 2541979.7/50

In: 78.904+/-0.010 χ^2/NDF:1031982.9/45

Out: 79.099+/-0.010 χ^2/NDF:1754749.6/52

All: 79.004+/-0.007 χ^2/NDF: 2786922.3/98



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: -33.922+/-125.872 χ^2/NDF: 25.6/27

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

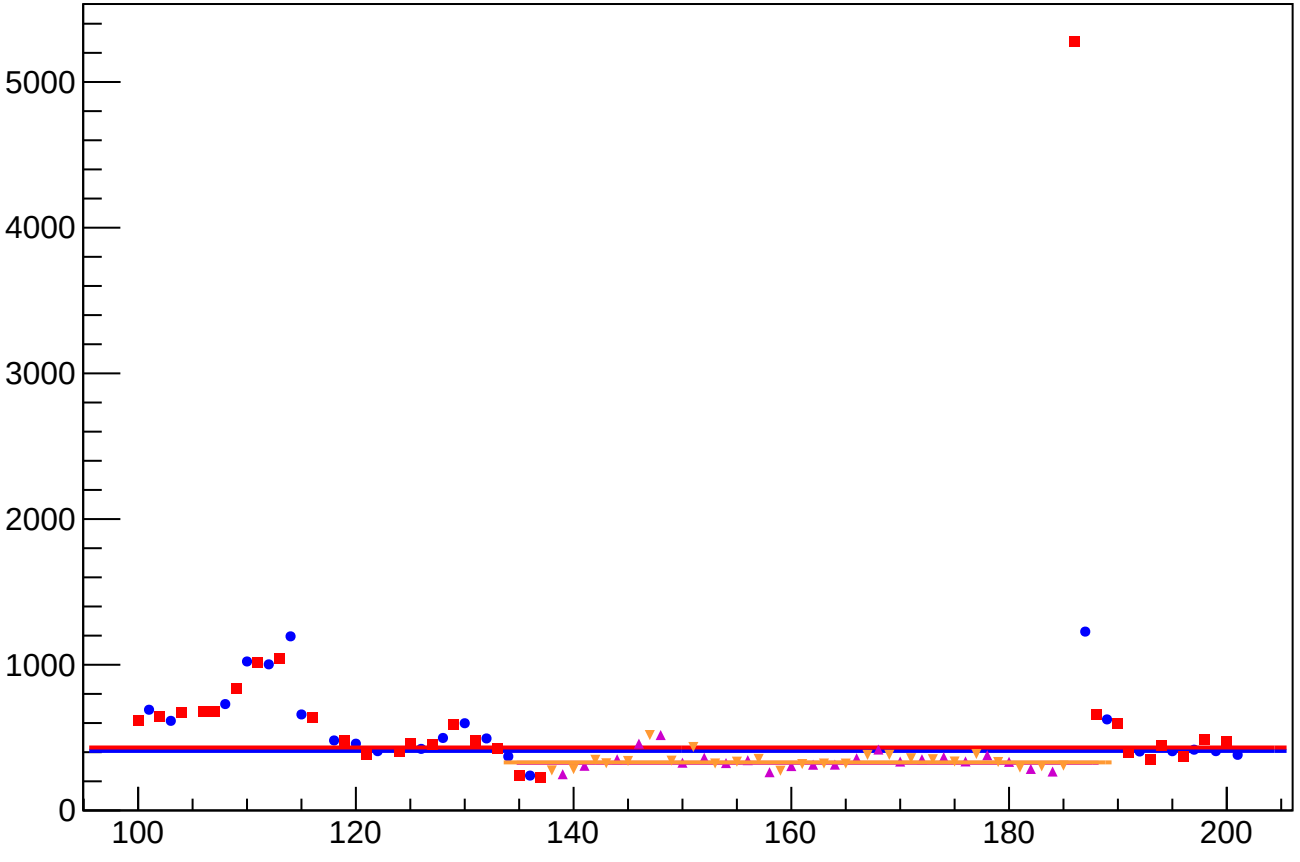
Right: -84.928+/-88.241 χ^2/NDF: 42.4/50

In: -51.702+/-65.705 χ^2/NDF:52.1/45

Out: -11.587+/-64.974 χ^2/NDF:49.7/52

All: -31.420+/-46.200 χ^2/NDF: 101.9/98

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: 432.152+/-0.089 χ^2/NDF: 3476951.0/27

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

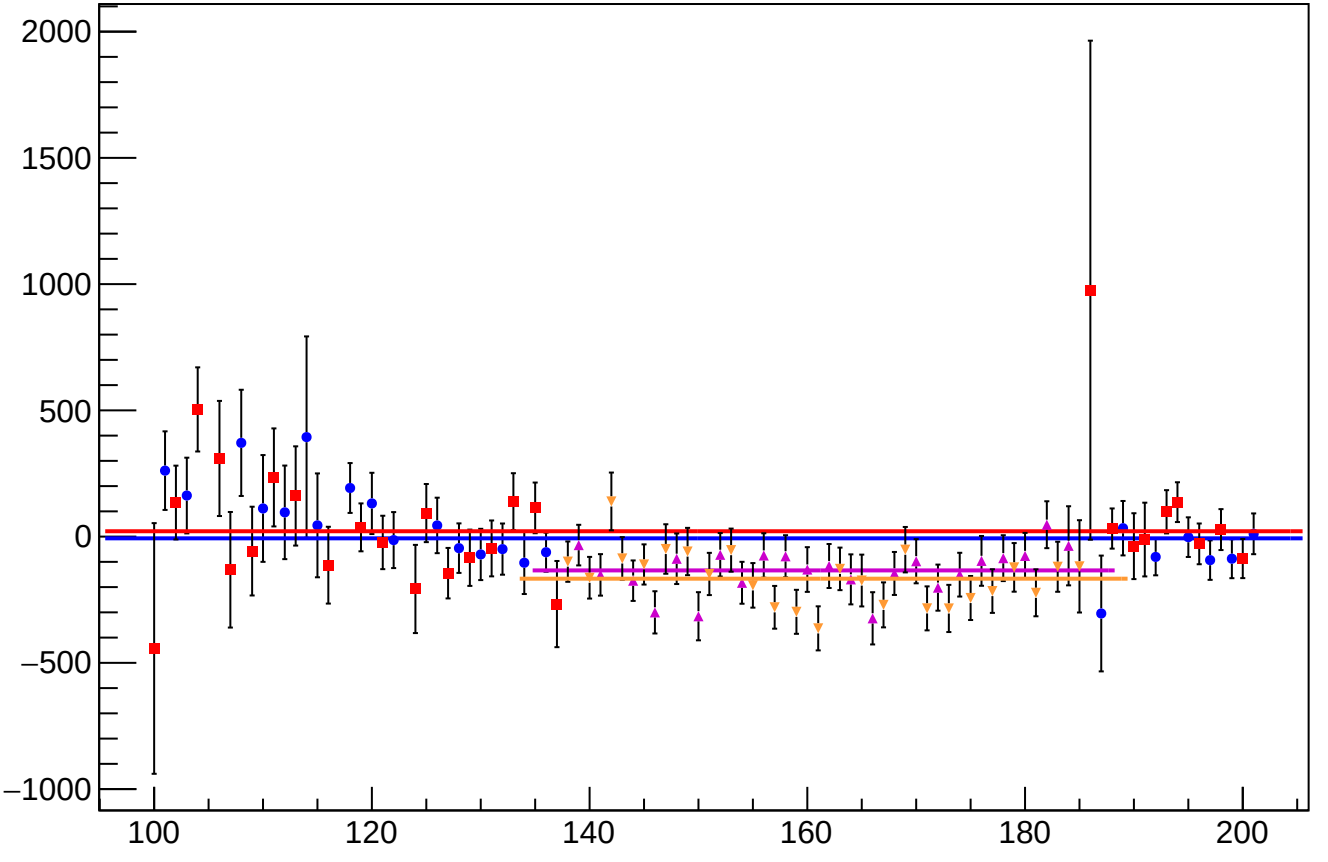
Right: 420.178+/-0.062 χ^2/NDF: 6164769.2/50

In: 349.984+/-0.046 χ^2/NDF:4176745.5/45

Out: 357.195+/-0.046 χ^2/NDF:5103059.8/52

All: 353.630+/-0.033 χ^2/NDF: 9291985.4/98

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: 21.239+/-21.973 χ^2/NDF: 32.2/27

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

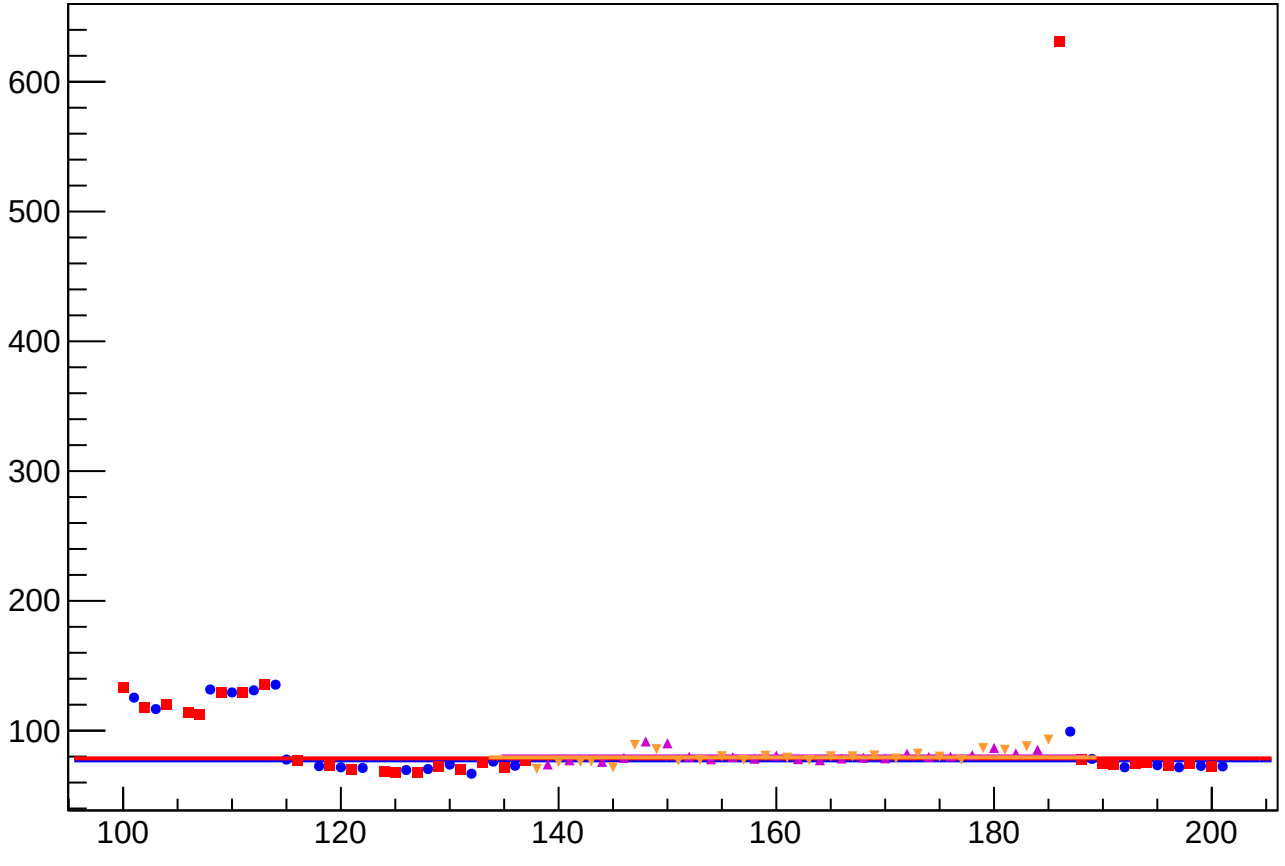
Right: 7.446+/-15.680 χ^2/NDF: 54.8/50

In: -81.466+/-14.376 χ^2/NDF:61.5/45

Out: -90.818+/-13.961 χ^2/NDF:107.5/52

All: -86.279+/-10.015 χ^2/NDF: 169.2/98

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: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

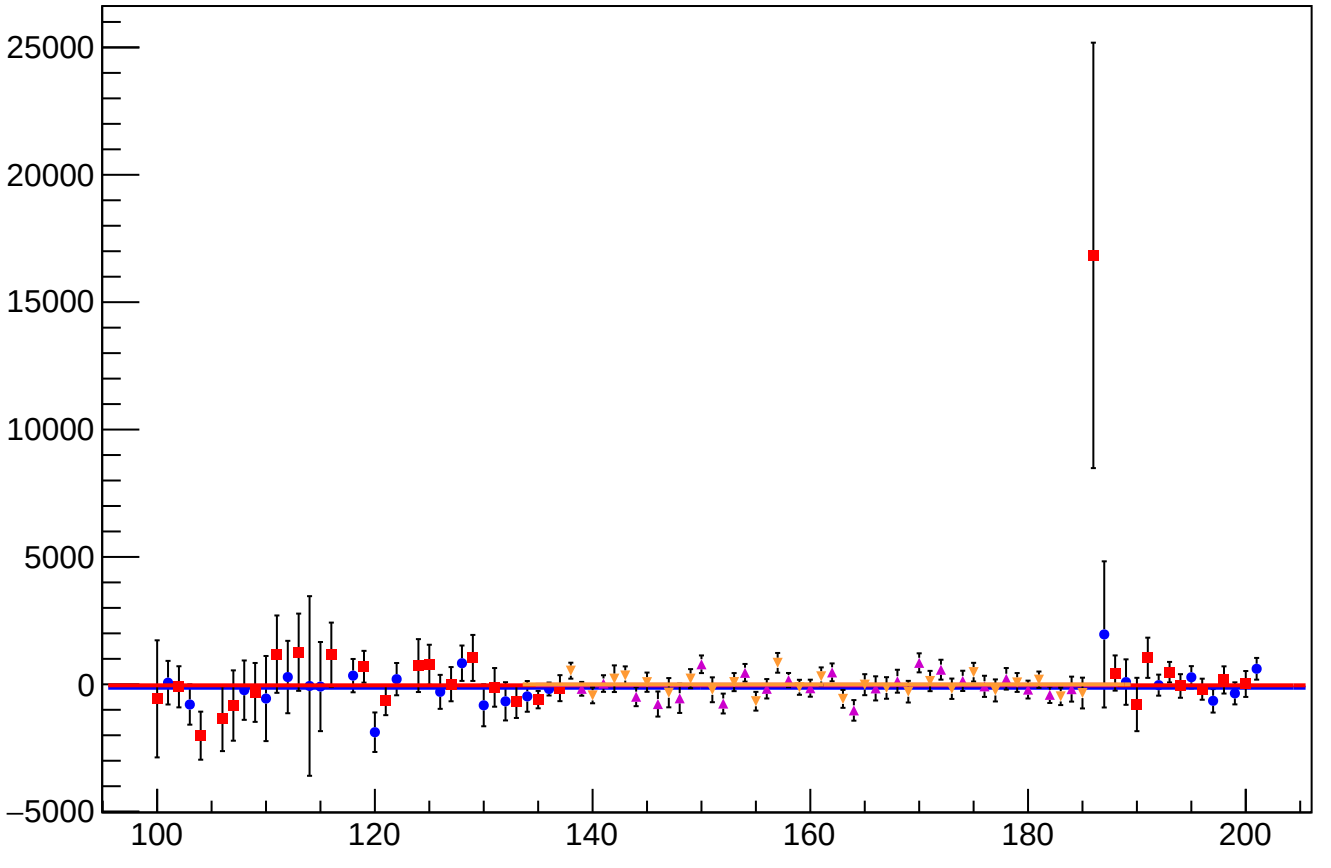
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.888+/-0.011 χ^2/NDF: 2539851.2/50

In: 78.904+/-0.010 χ^2/NDF:1031983.1/45

Out: 79.096+/-0.010 χ^2/NDF:1752697.3/52

All: 79.003+/-0.007 χ^2/NDF: 2784864.3/98



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: -39.256+/-125.912 χ^2/NDF: 26.3/27

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

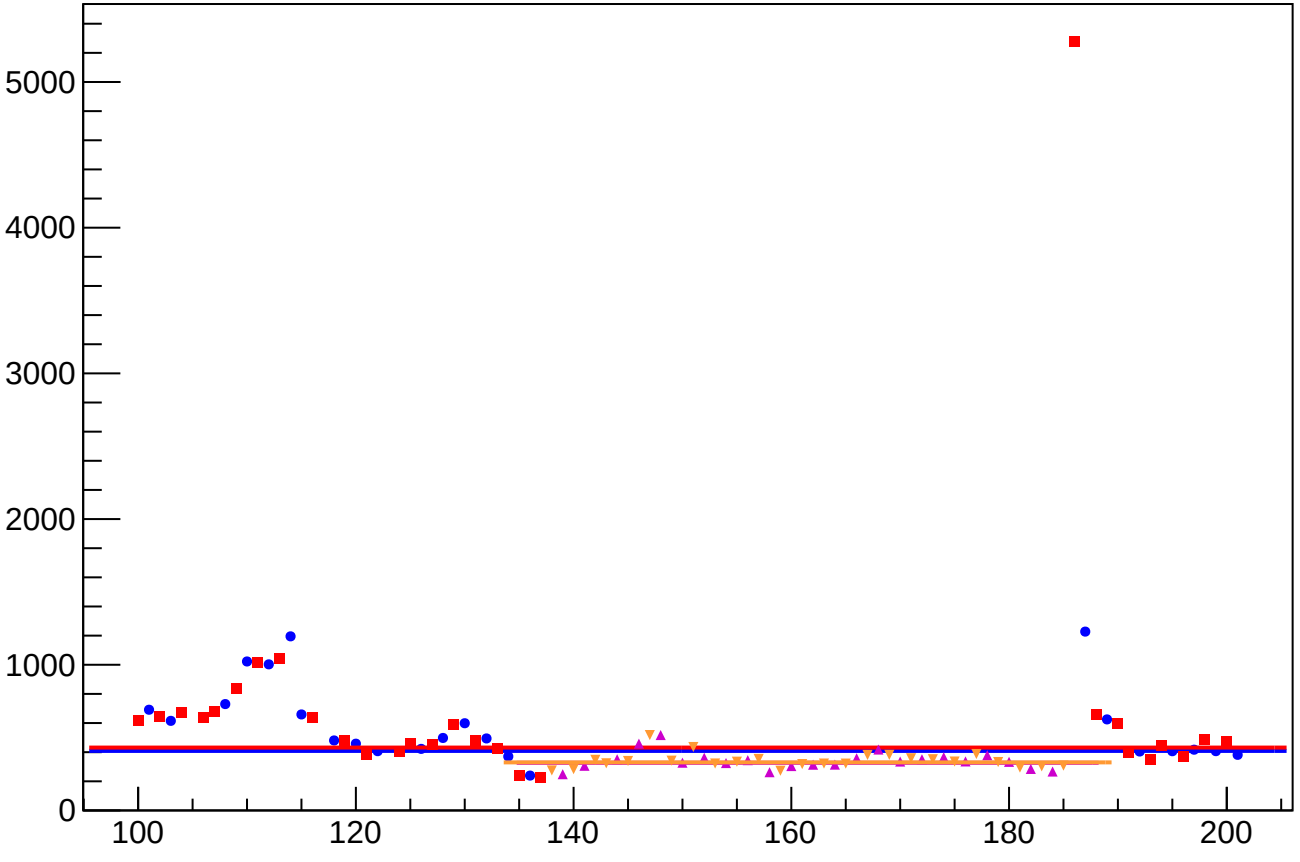
Right: -87.563+/-88.254 χ^2/NDF: 43.0/50

In: -51.706+/-65.705 χ^2/NDF:52.1/45

Out: -13.004+/-64.980 χ^2/NDF:50.4/52

All: -32.140+/-46.202 χ^2/NDF: 102.7/98

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: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

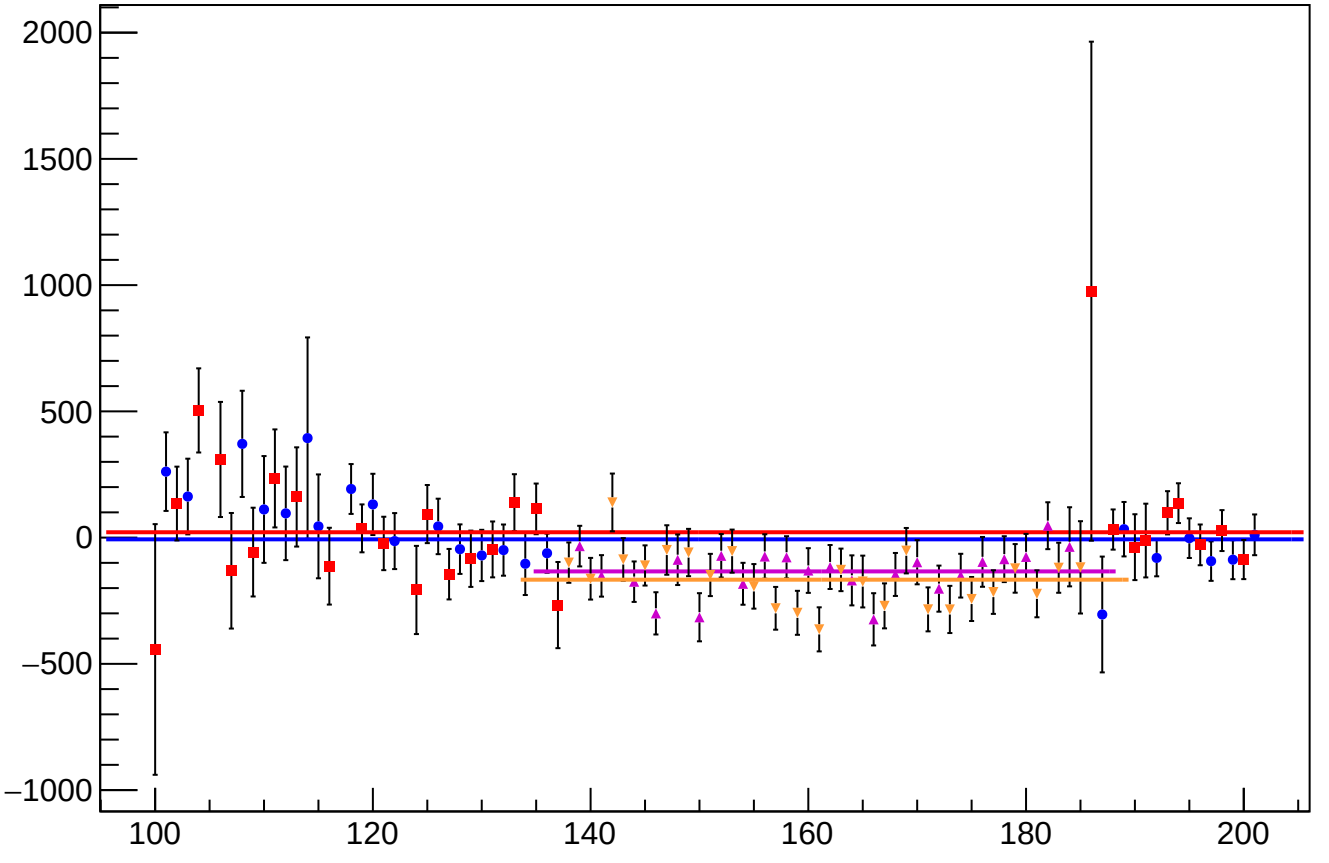
Right: 419.911+/-0.062 χ^2/NDF: 6136252.2/50

In: 349.984+/-0.046 χ^2/NDF:4176746.0/45

Out: 357.040+/-0.046 χ^2/NDF:5065598.0/52

All: 353.551+/-0.033 χ^2/NDF: 9254002.9/98

eigen_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: 21.239+/-21.973 χ^2/NDF: 32.2/27

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

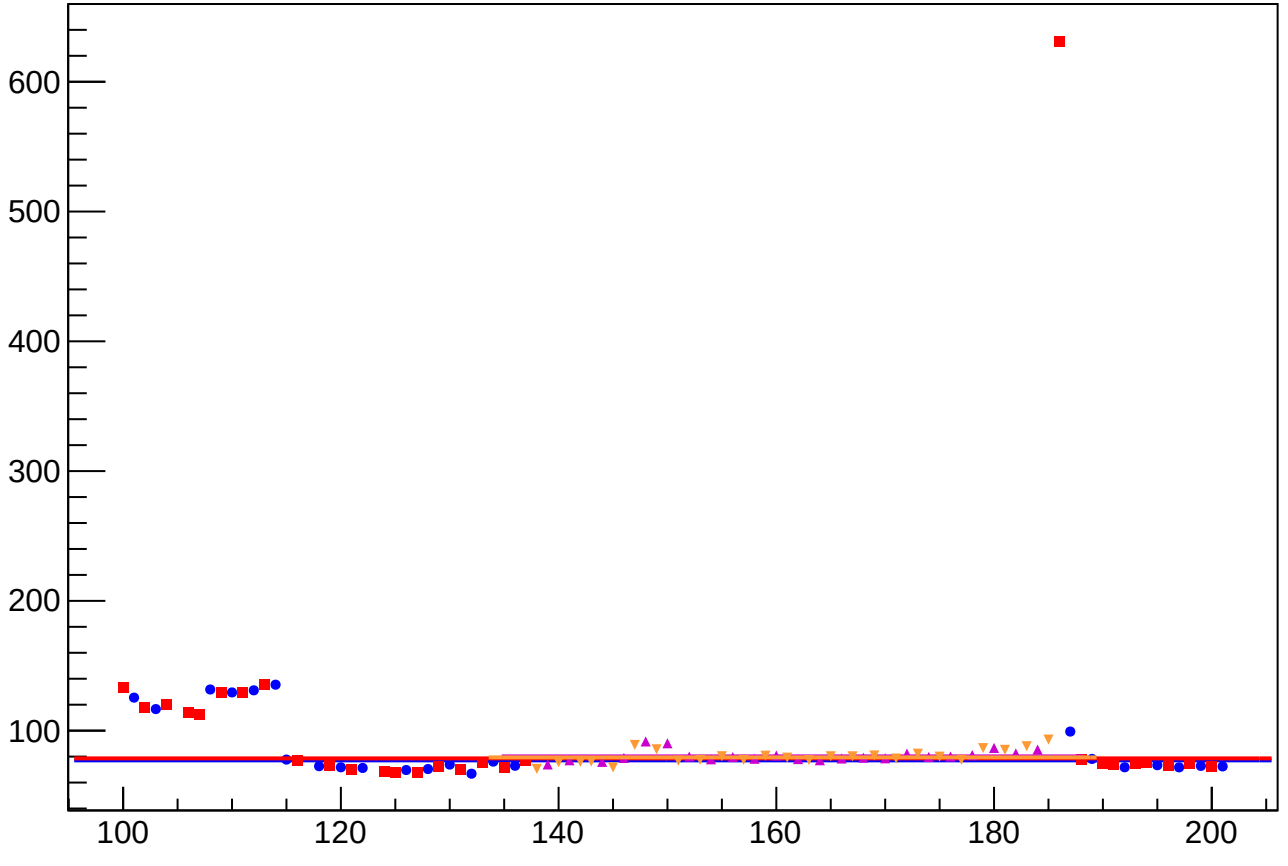
Right: 7.446+/-15.680 χ^2/NDF: 54.8/50

In: -81.466+/-14.376 χ^2/NDF:61.5/45

Out: -90.818+/-13.961 χ^2/NDF:107.5/52

All: -86.279+/-10.015 χ^2/NDF: 169.2/98

eigen_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: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

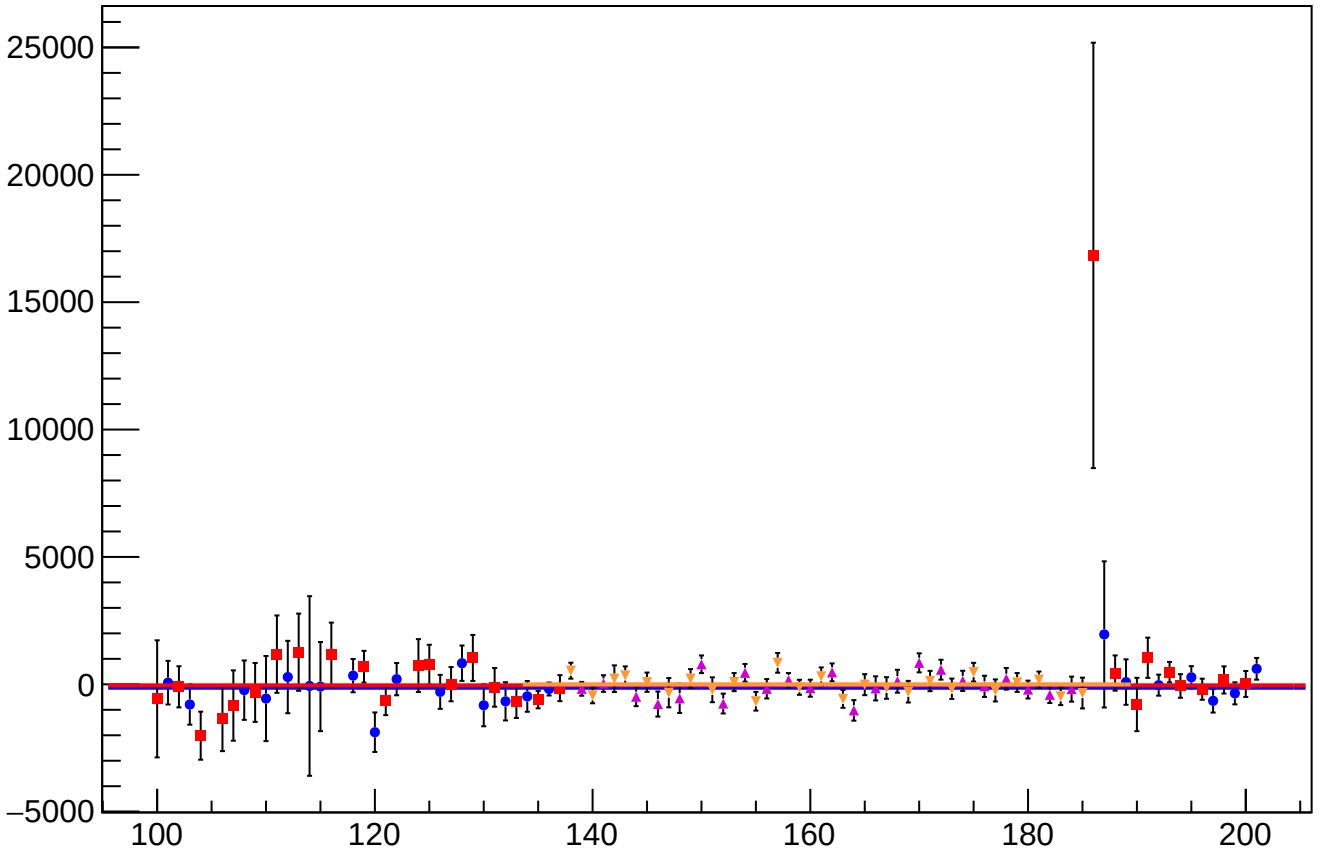
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.888+/-0.011 χ^2/NDF: 2539851.2/50

In: 78.904+/-0.010 χ^2/NDF:1031983.1/45

Out: 79.096+/-0.010 χ^2/NDF:1752697.3/52

All: 79.003+/-0.007 χ^2/NDF: 2784864.3/98



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: -39.256+/-125.912 χ^2/NDF: 26.3/27

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

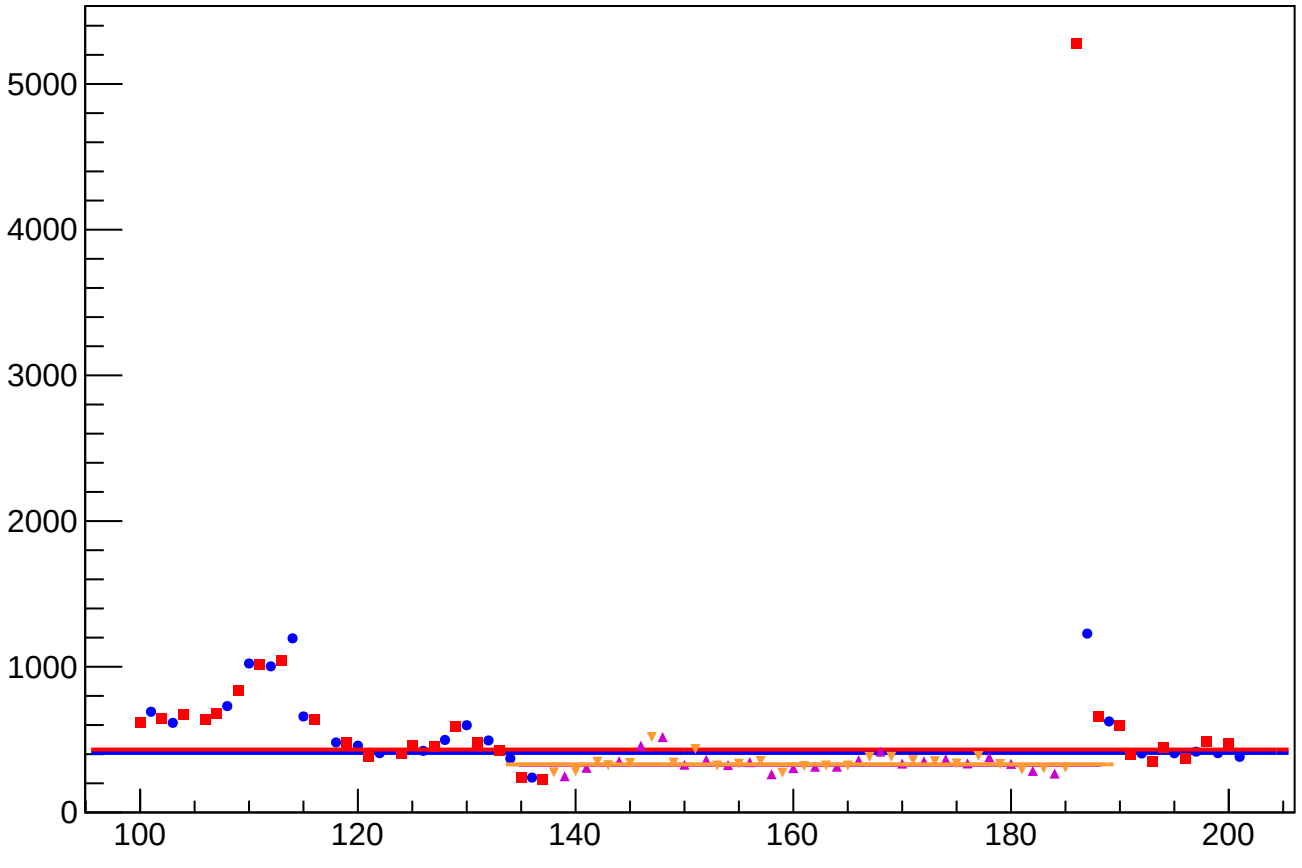
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -87.563+/-88.254 χ^2/NDF: 43.0/50

In: -51.706+/-65.705 χ^2/NDF:52.1/45

Out: -13.004+/-64.980 χ^2/NDF:50.4/52

All: -32.140+/-46.202 χ^2/NDF: 102.7/98



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: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

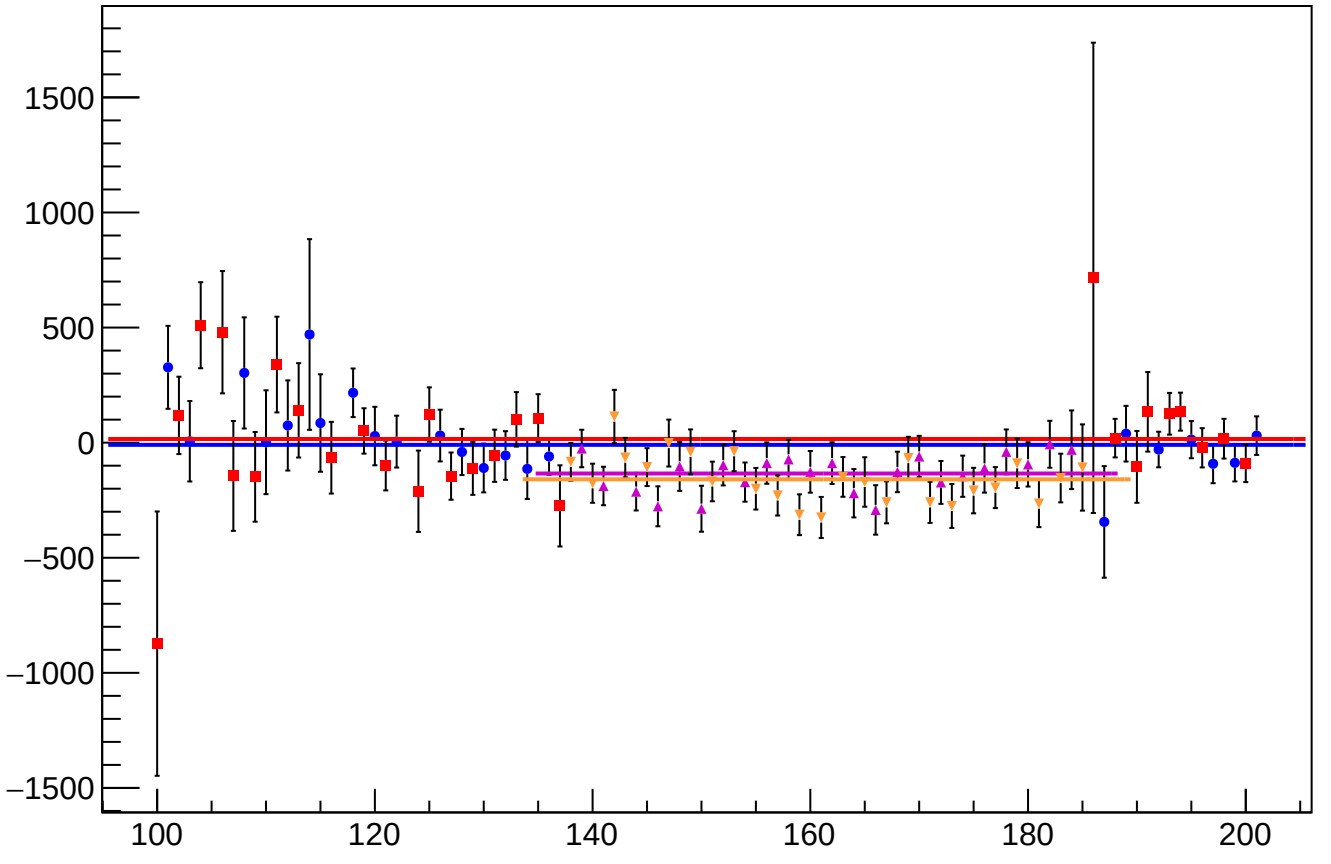
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 419.911+/-0.062 χ^2/NDF: 6136252.2/50

In: 349.984+/-0.046 χ^2/NDF:4176746.0/45

Out: 357.040+/-0.046 χ^2/NDF:5065598.0/52

All: 353.551+/-0.033 χ^2/NDF: 9254002.9/98



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: 15.991+/-23.183 χ^2/NDF: 35.9/27

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

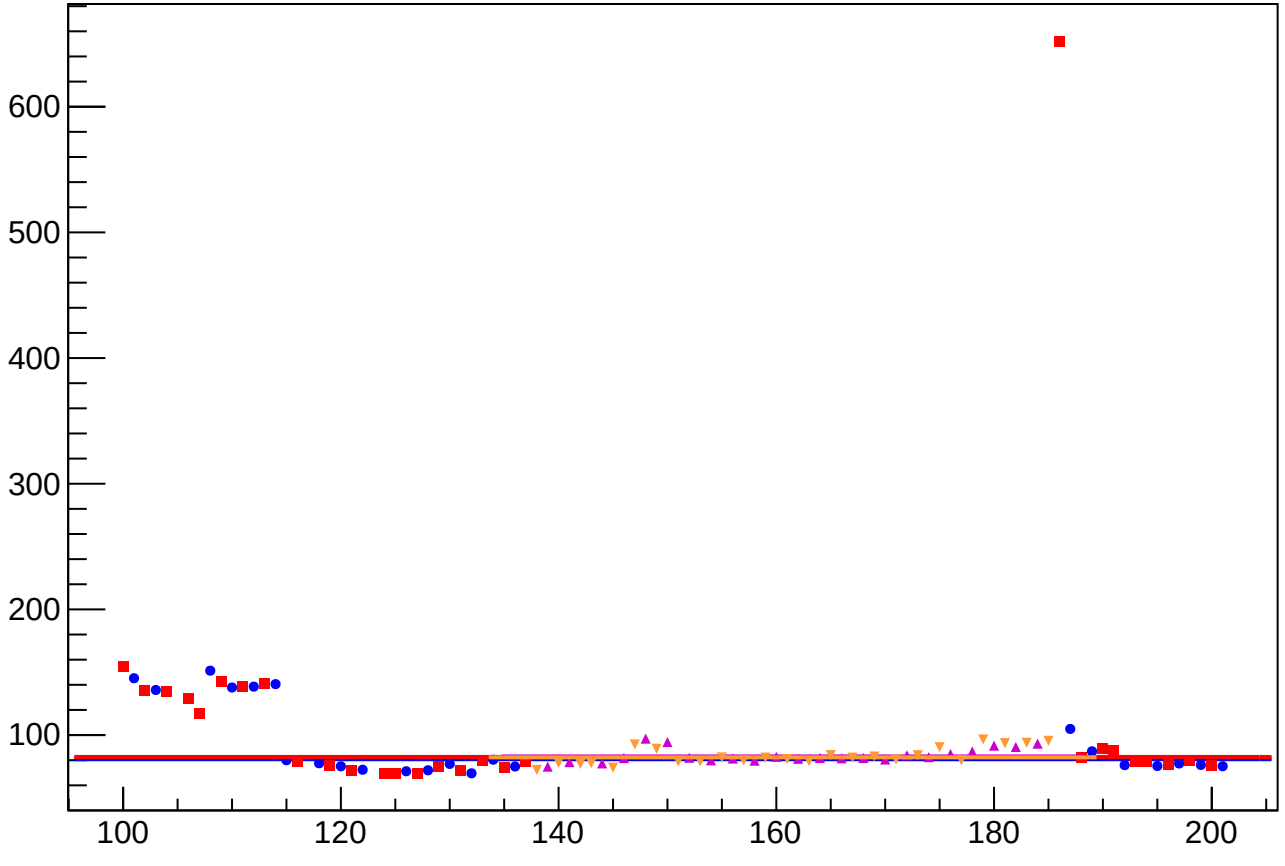
Right: 3.485+/-16.525 χ^2/NDF: 54.7/50

In: -83.554+/-14.996 χ^2/NDF:51.3/45

Out: -89.936+/-14.578 χ^2/NDF:98.6/52

All: -86.835+/-10.453 χ^2/NDF: 150.0/98

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: 82.599+/-0.016 χ^2/NDF: 1789530.3/27

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

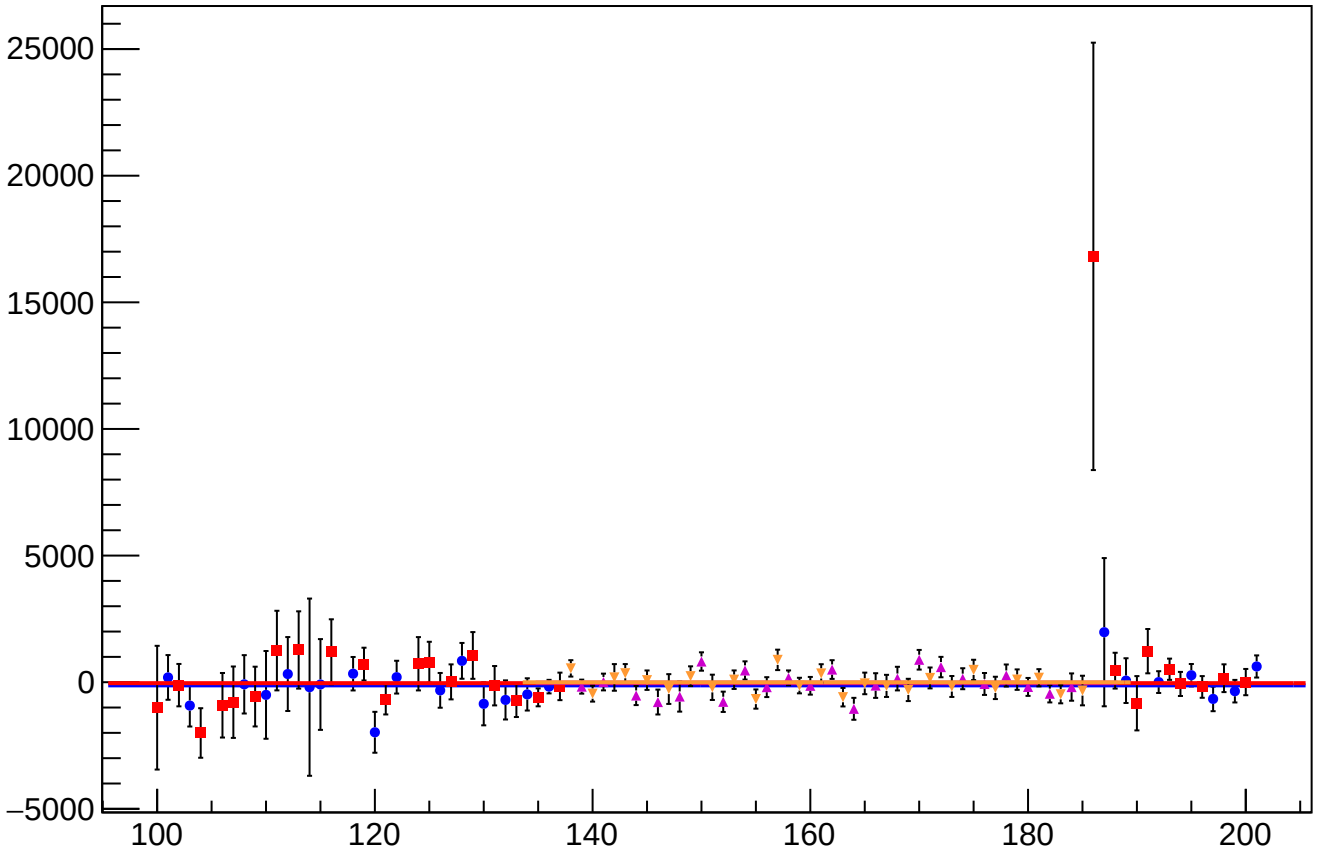
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 81.708+/-0.012 χ^2/NDF: 2906094.5/50

In: 82.100+/-0.011 χ^2/NDF:1266593.8/45

Out: 82.386+/-0.010 χ^2/NDF:2006356.3/52

All: 82.247+/-0.007 χ^2/NDF: 3273325.0/98



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: -37.351+/-130.145 χ^2/NDF: 25.8/27

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

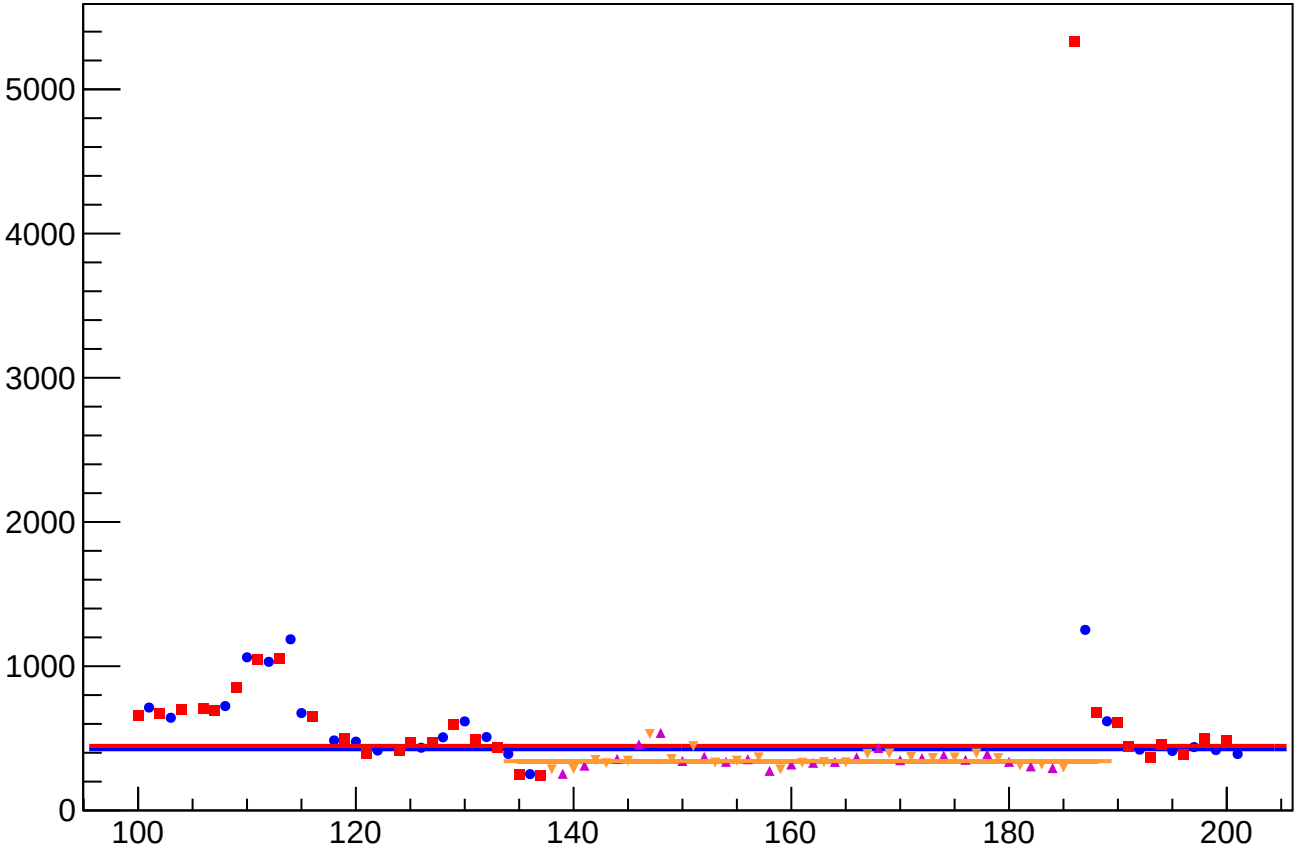
Right: -81.653+/-91.282 χ^2/NDF: 42.7/50

In: -47.066+/-68.099 χ^2/NDF:52.1/45

Out: -12.247+/-67.270 χ^2/NDF:49.4/52

All: -29.443+/-47.857 χ^2/NDF: 101.6/98

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: 447.800+/-0.092 χ^2/NDF: 3382776.9/27

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

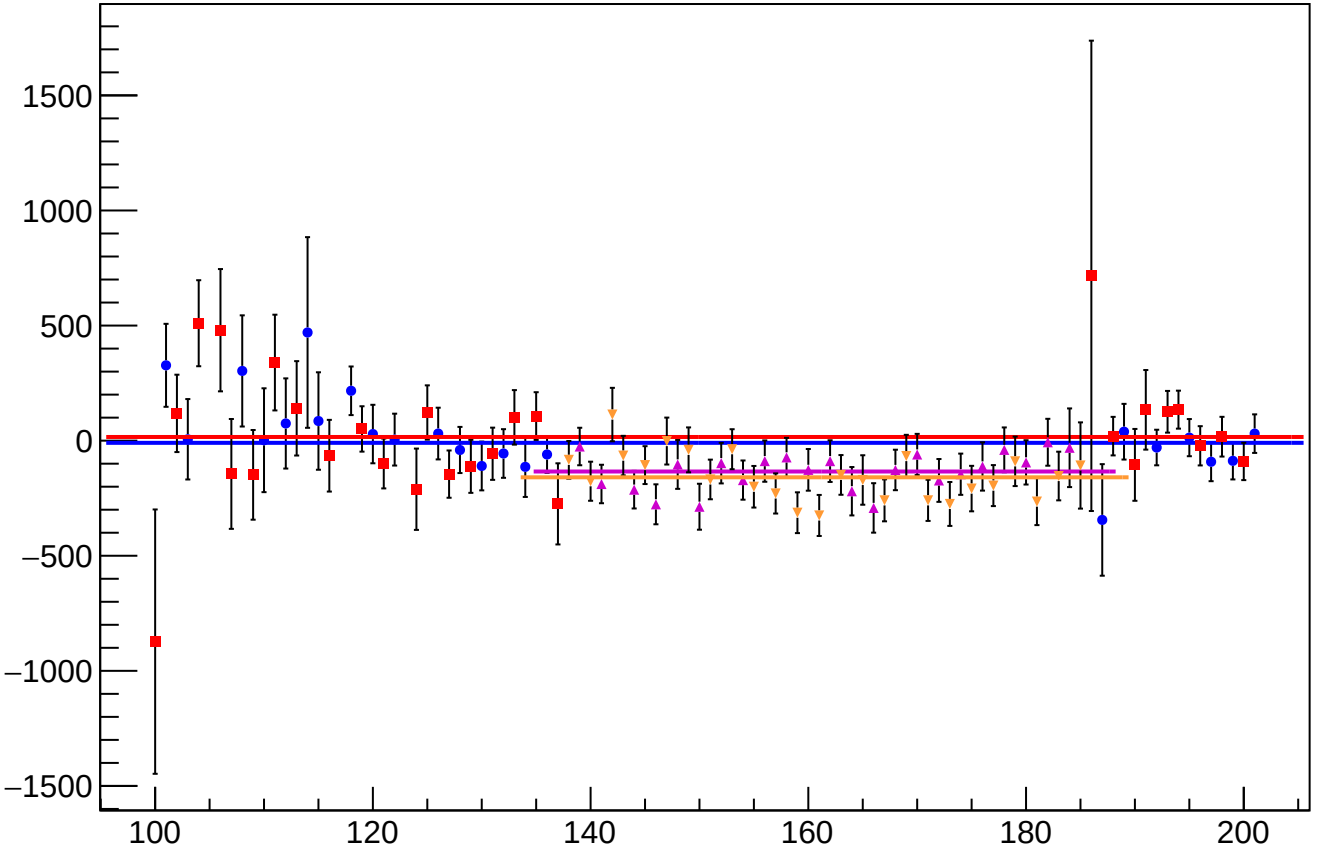
Right: 435.826+/-0.065 χ^2/NDF: 5943609.8/50

In: 363.408+/-0.048 χ^2/NDF:4003197.7/45

Out: 370.207+/-0.048 χ^2/NDF:5006834.4/52

All: 366.849+/-0.034 χ^2/NDF: 9020120.0/98

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



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: 15.990+/-23.183 χ^2/NDF: 35.9/27

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

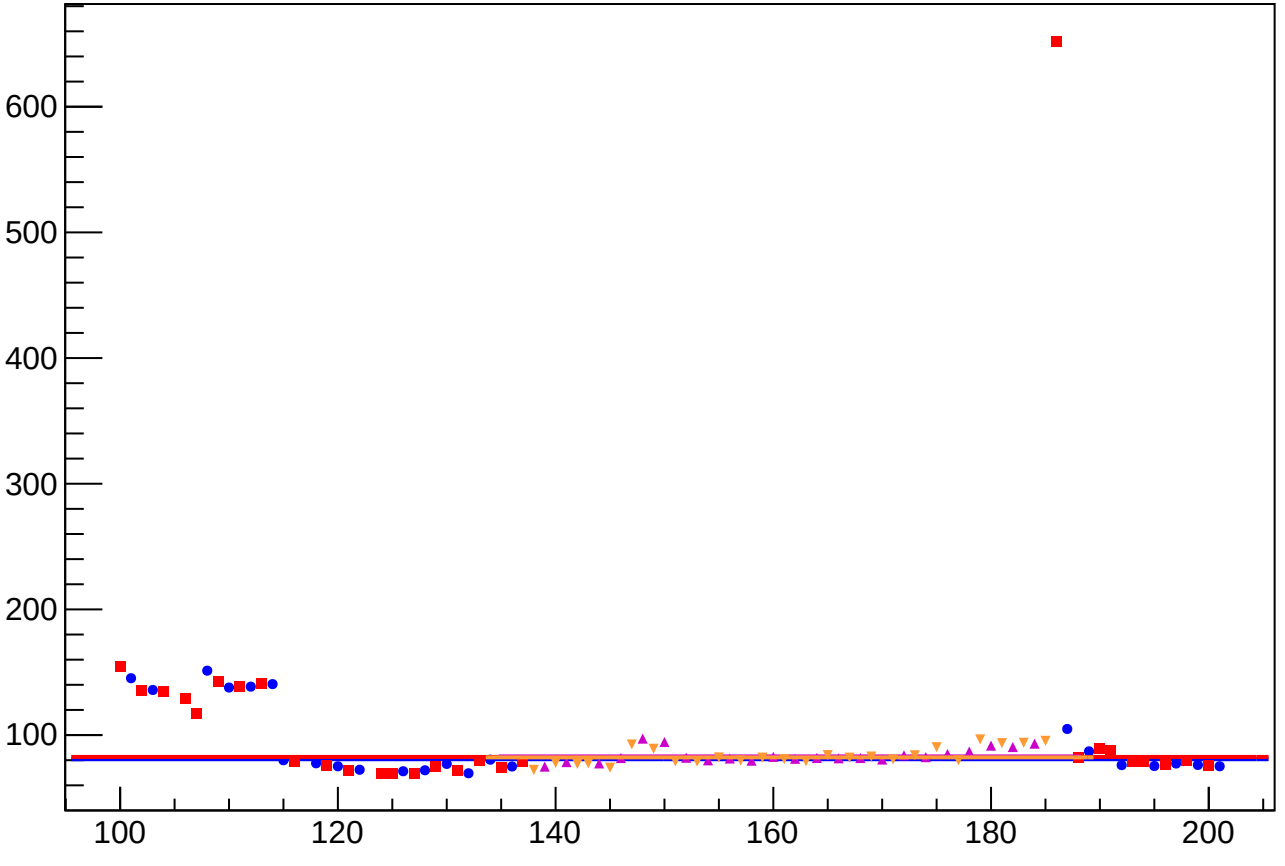
Right: 3.485+/-16.525 χ^2/NDF: 54.7/50

In: -83.554+/-14.996 χ^2/NDF:51.3/45

Out: -89.936+/-14.578 χ^2/NDF:98.6/52

All: -86.835+/-10.453 χ^2/NDF: 150.0/98

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: 82.598+/-0.016 χ^2/NDF: 1789530.4/27

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

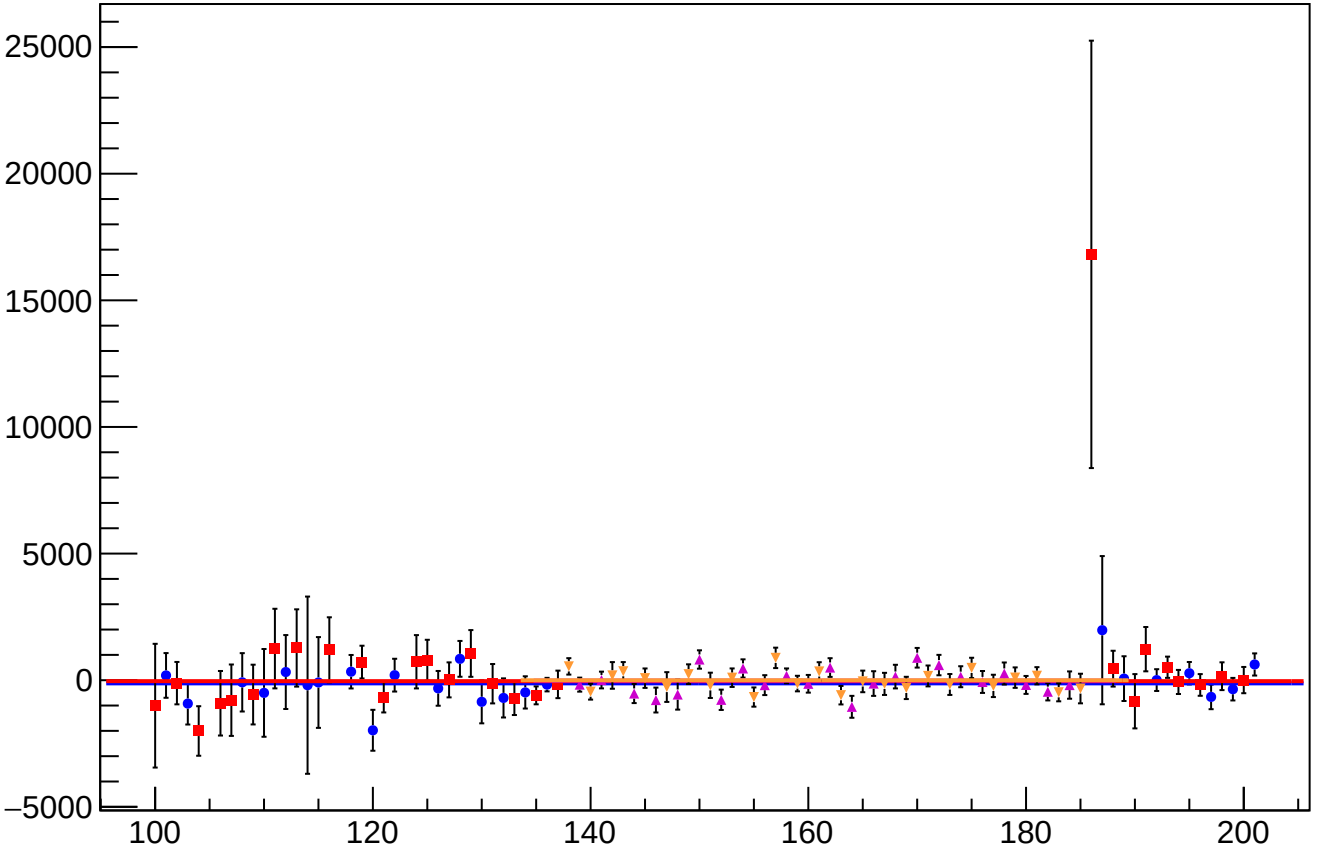
Right: 81.708+/-0.012 χ^2/NDF: 2906095.9/50

In: 82.100+/-0.011 χ^2/NDF:1266594.6/45

Out: 82.386+/-0.010 χ^2/NDF:2006356.5/52

All: 82.247+/-0.007 χ^2/NDF: 3273325.9/98

asym_sam1_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -37.352+/-130.145 χ^2/NDF: 25.8/27

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

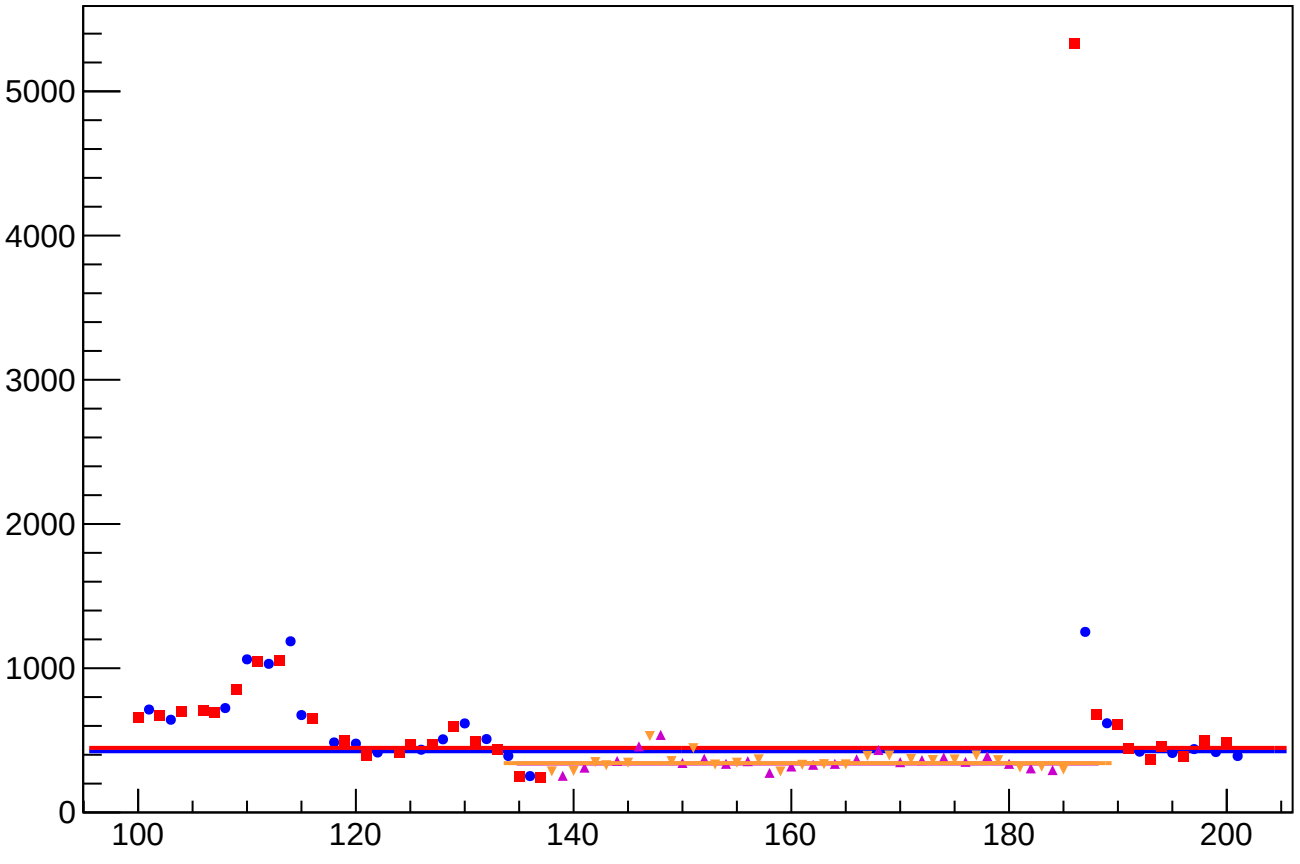
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -81.652+/-91.282 χ^2/NDF: 42.7/50

In: -47.065+/-68.099 χ^2/NDF:52.1/45

Out: -12.247+/-67.270 χ^2/NDF:49.4/52

All: -29.443+/-47.857 χ^2/NDF: 101.6/98



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: 447.799+/-0.092 χ^2/NDF: 3382785.4/27

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

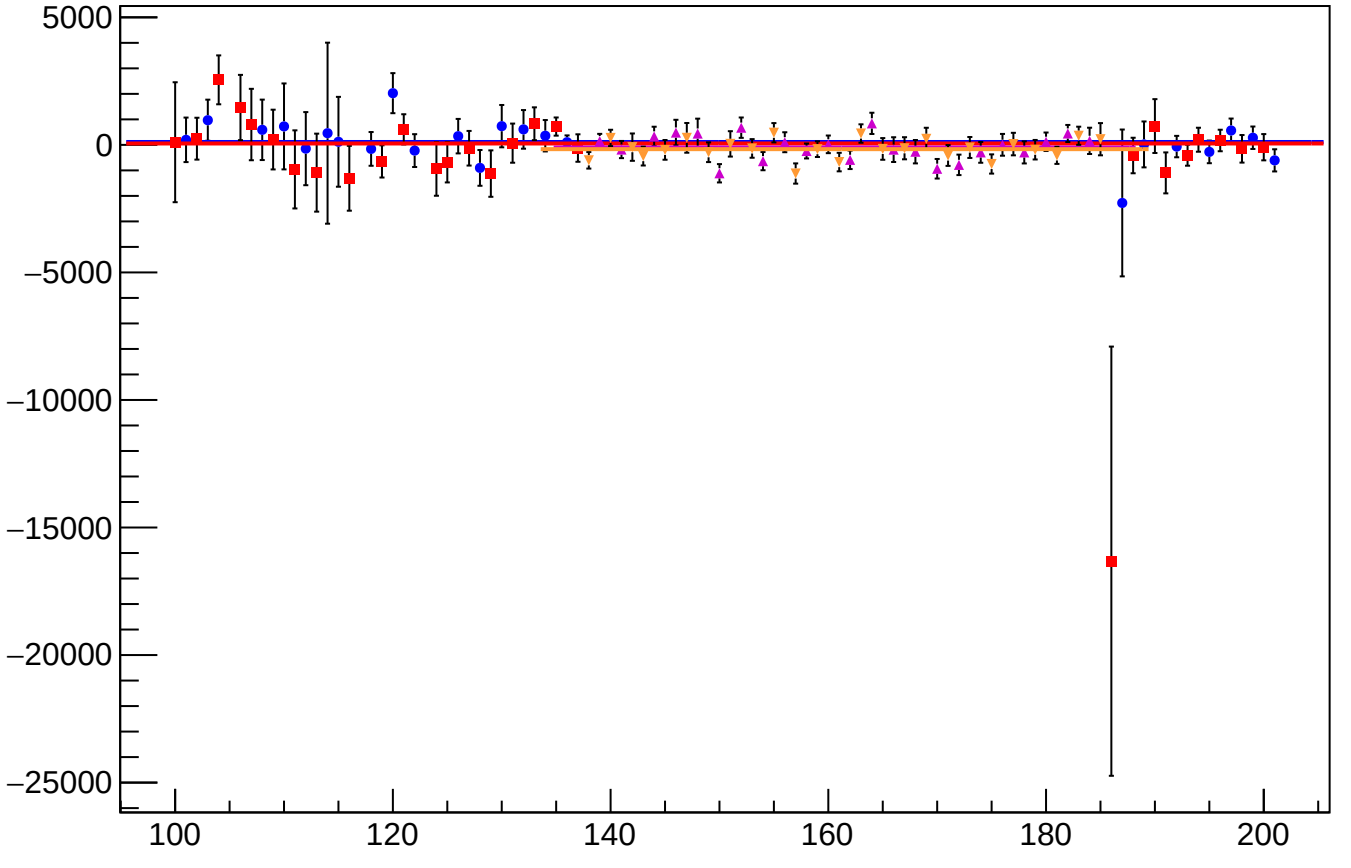
Right: 435.825+/-0.065 χ^2/NDF: 5943623.2/50

In: 363.408+/-0.048 χ^2/NDF:4003196.4/45

Out: 370.206+/-0.048 χ^2/NDF:5006829.1/52

All: 366.849+/-0.034 χ^2/NDF: 9020113.4/98

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: 54.692+/-128.539 χ^2/NDF: 29.5/27

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

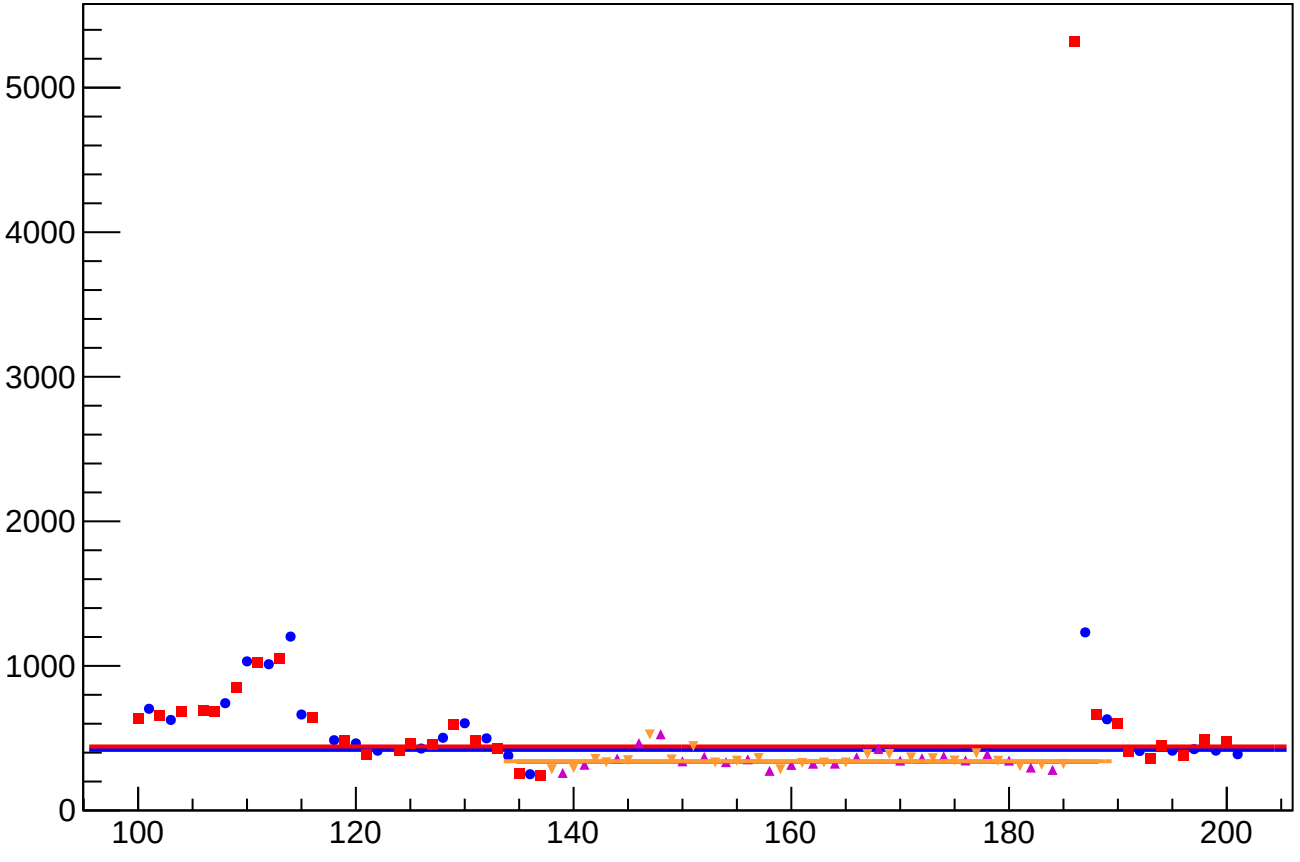
Right: 84.566+/-90.166 χ^2/NDF: 46.3/50

In: -41.886+/-67.613 χ^2/NDF:56.3/45

Out: -107.413+/-66.795 χ^2/NDF:57.3/52

All: -75.049+/-47.518 χ^2/NDF: 114.0/98

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: 442.658+/-0.091 χ^2/NDF: 3319667.2/27

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

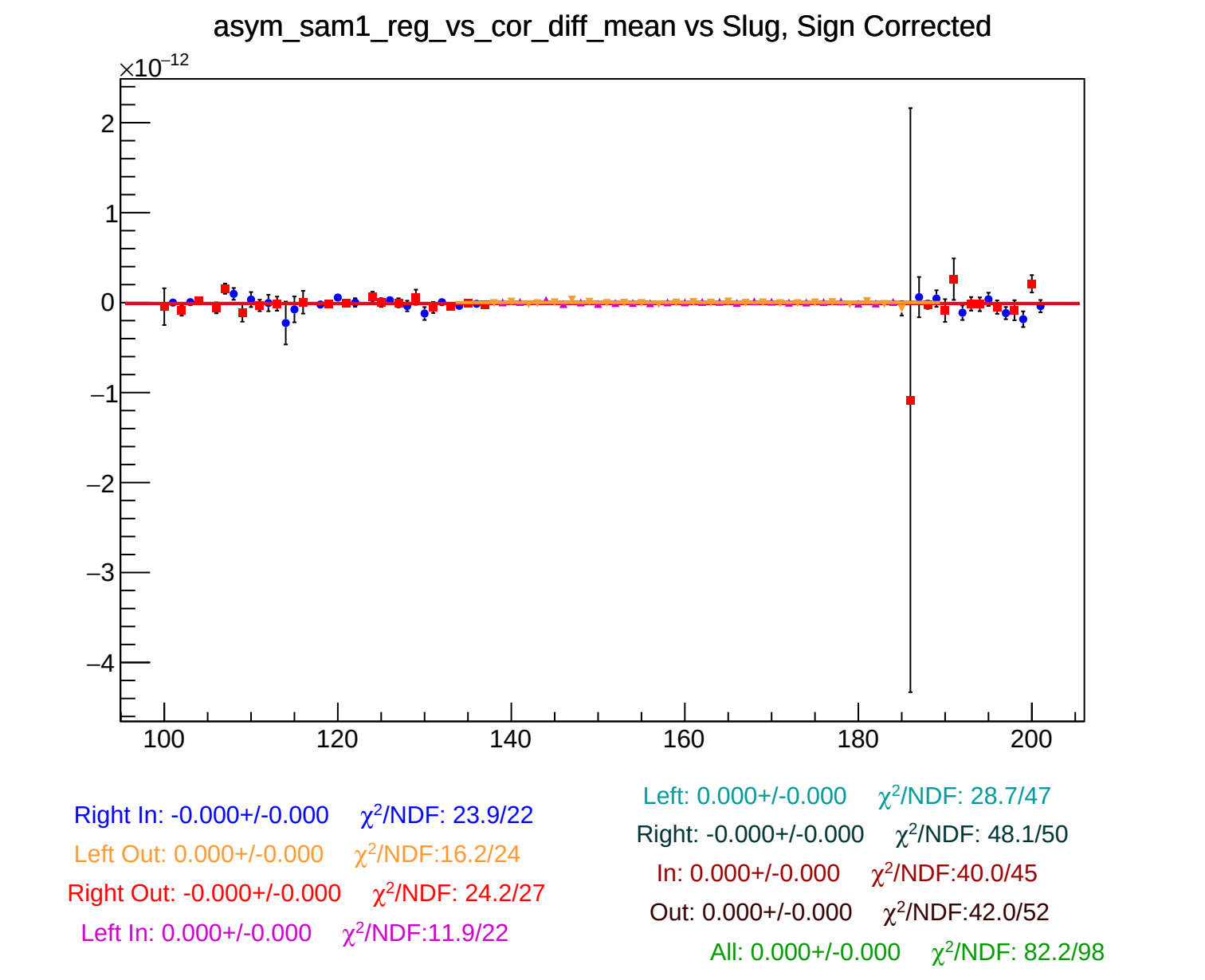
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

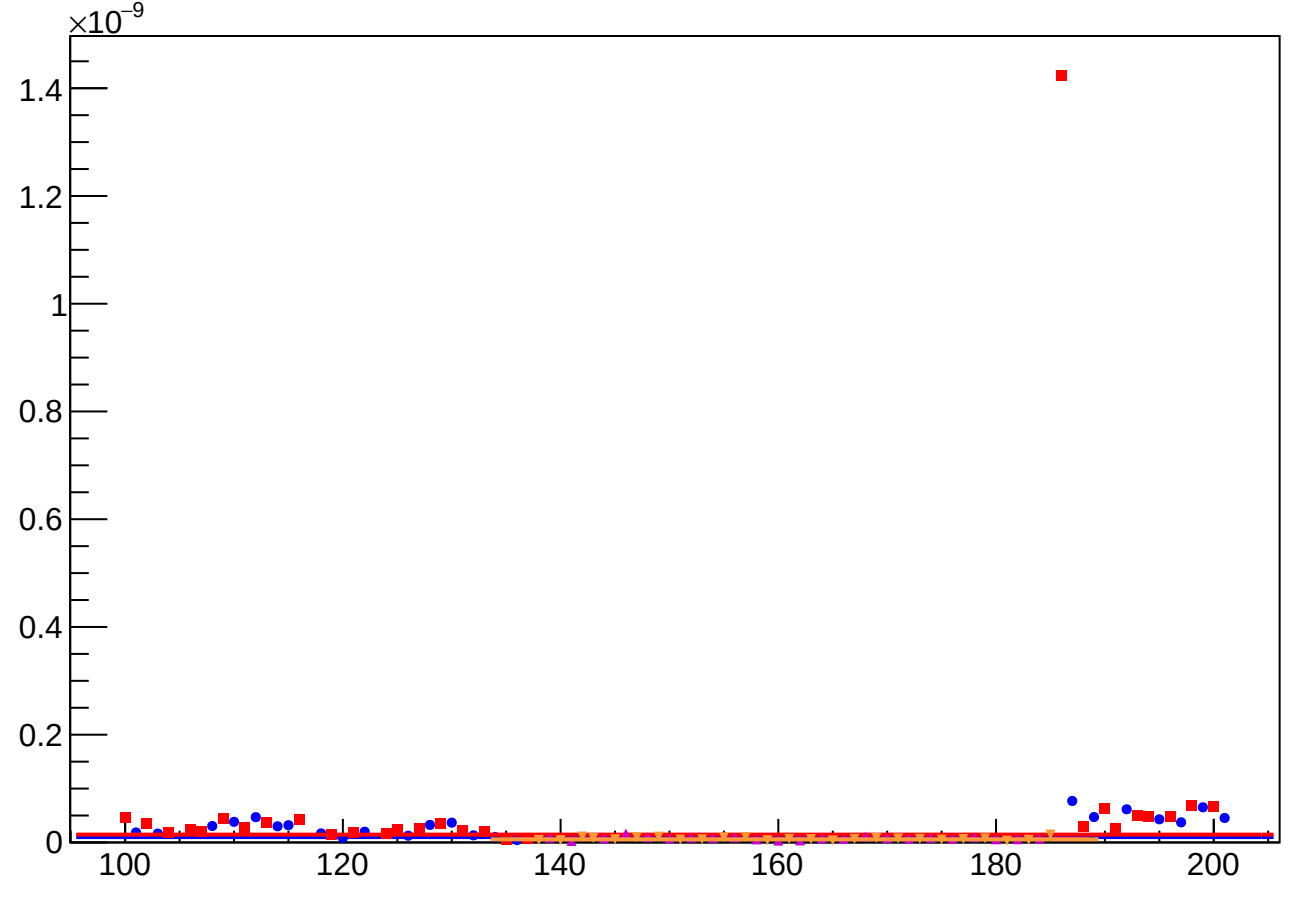
Right: 430.753+/-0.064 χ^2/NDF: 5859266.2/50

In: 361.026+/-0.048 χ^2/NDF:3918864.8/45

Out: 368.007+/-0.047 χ^2/NDF:4847956.8/52

All: 364.559+/-0.034 χ^2/NDF: 8777610.8/98


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: 24.2/27
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: 48.1/50
In: 0.000+/-0.000 χ²/NDF:40.0/45
Out: 0.000+/-0.000 χ²/NDF:42.0/52
All: 0.000+/-0.000 χ²/NDF: 82.2/98



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: 6139167.7/27

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

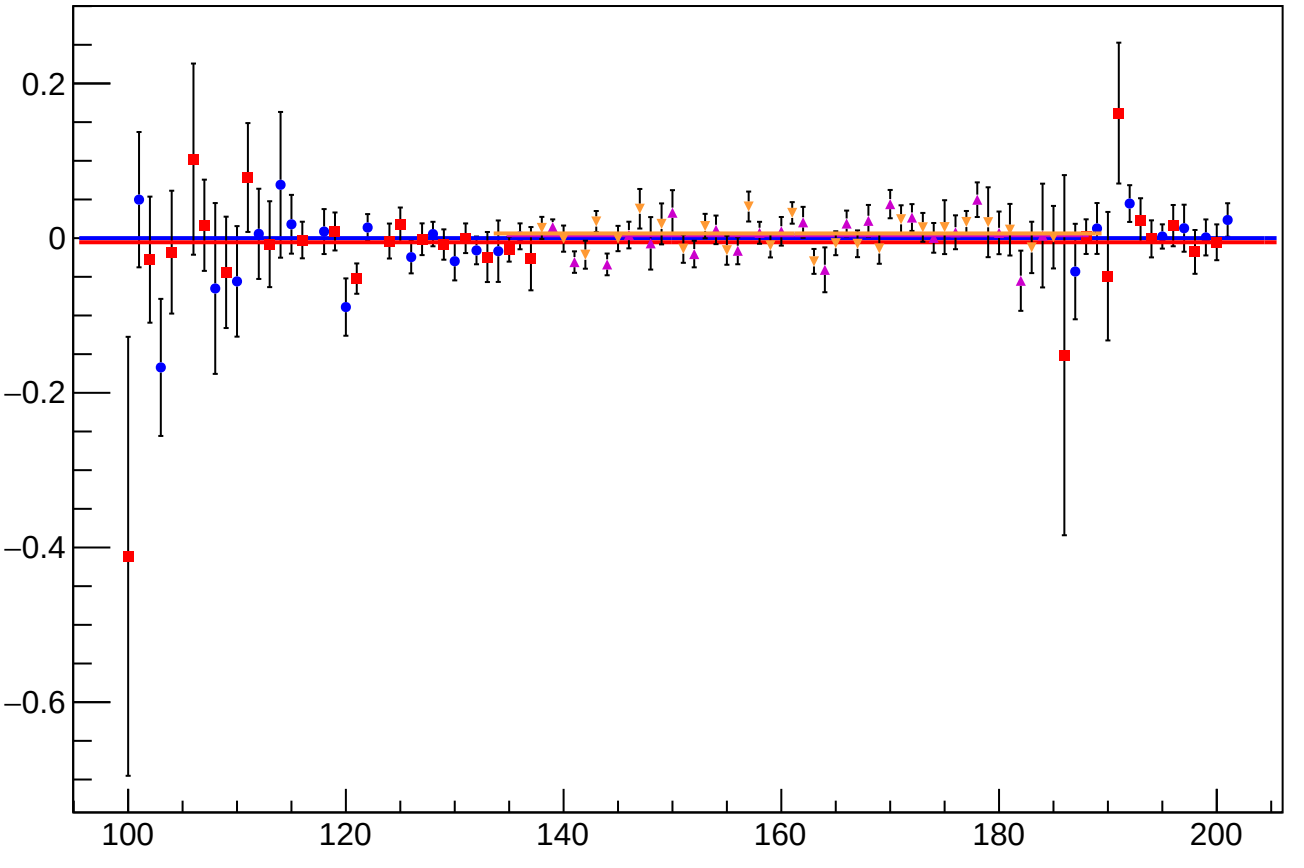
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12822545.0/50

In: 0.000+/-0.000 χ^2/NDF:8877475.1/45

Out: 0.000+/-0.000 χ^2/NDF:9574887.5/52

All: 0.000+/-0.000 χ^2/NDF: 18469080.5/98



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: 19.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

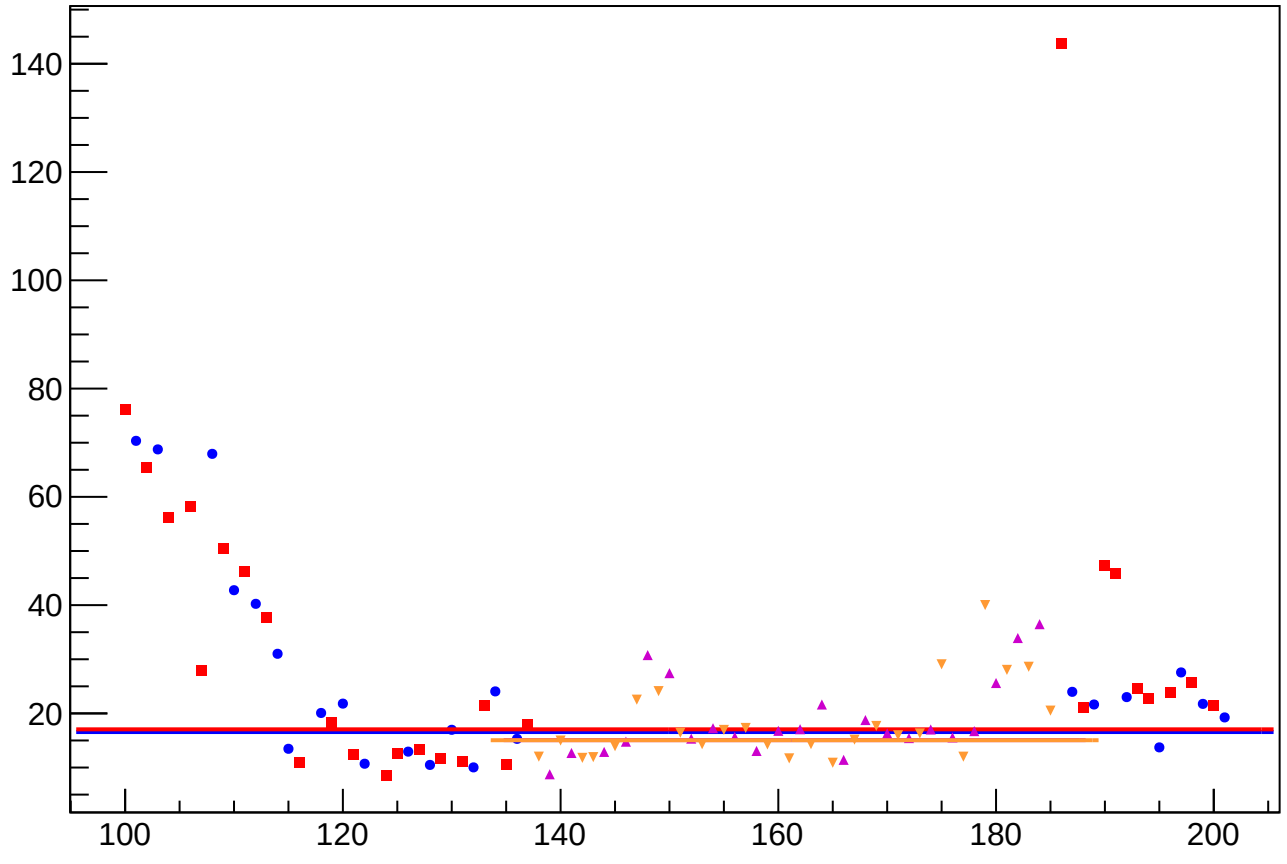
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/50

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 107.7/98



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: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

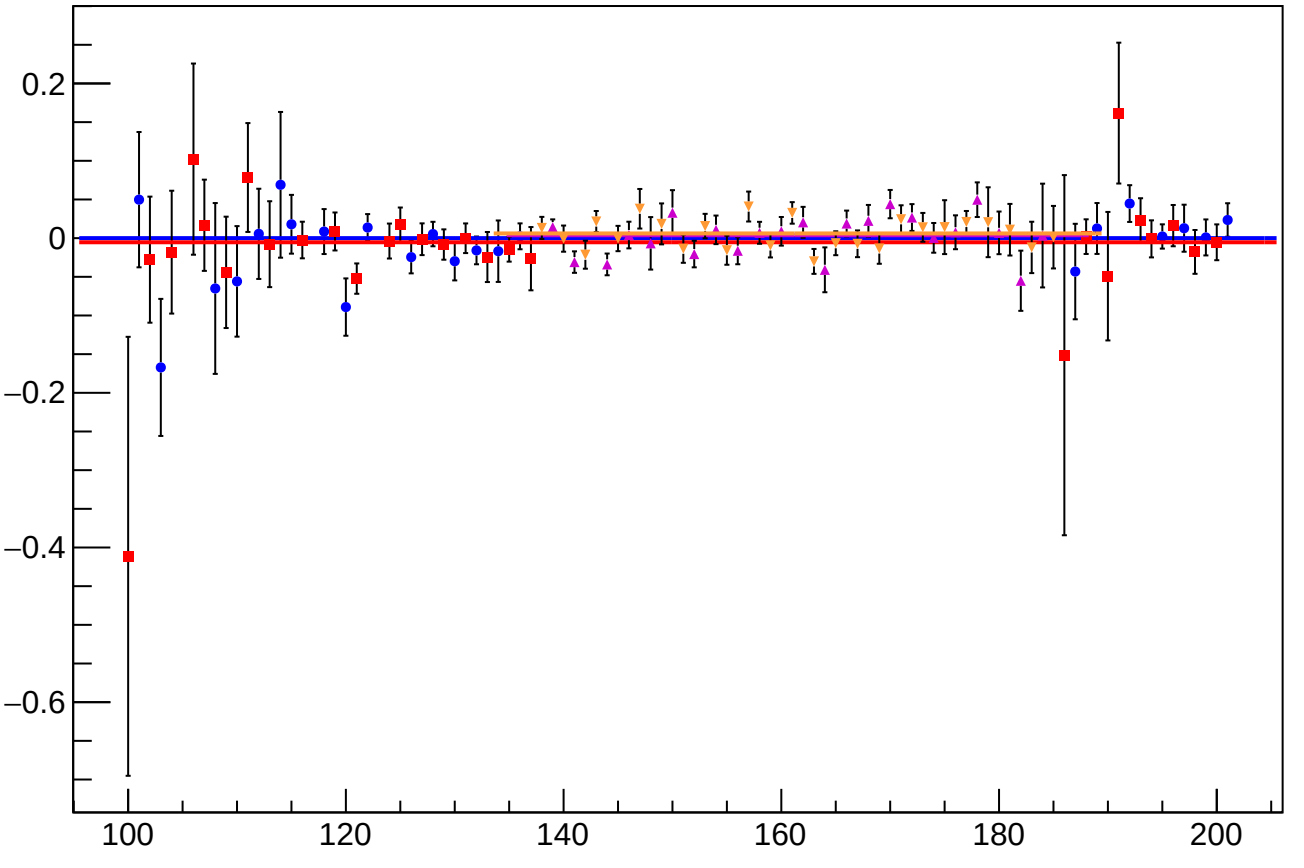
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.808+/-0.003 χ^2/NDF: 9995898.2/50

In: 15.566+/-0.002 χ^2/NDF:7392120.7/45

Out: 15.684+/-0.002 χ^2/NDF:8710284.2/52

All: 15.627+/-0.002 χ^2/NDF: 16103879.9/98



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: 19.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

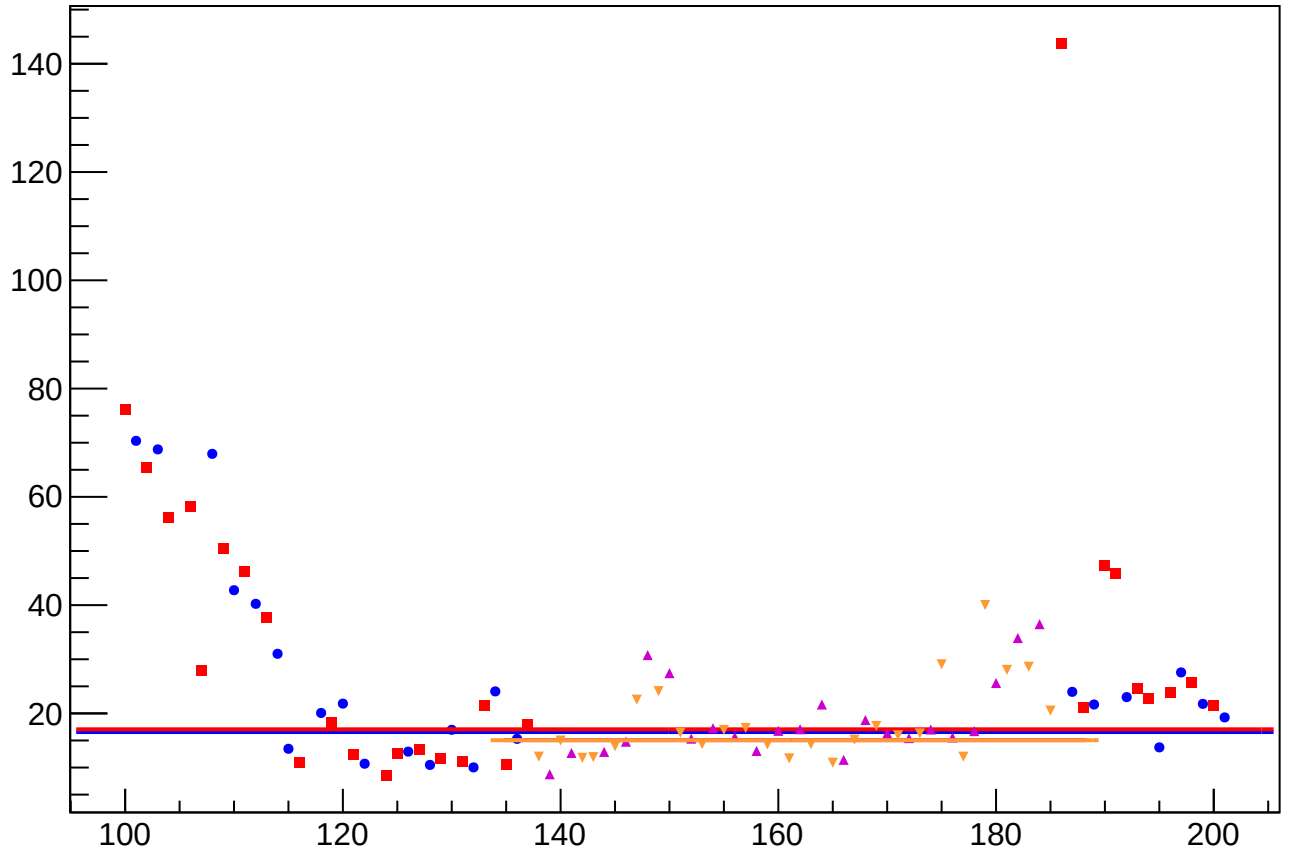
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/50

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 107.7/98



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: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

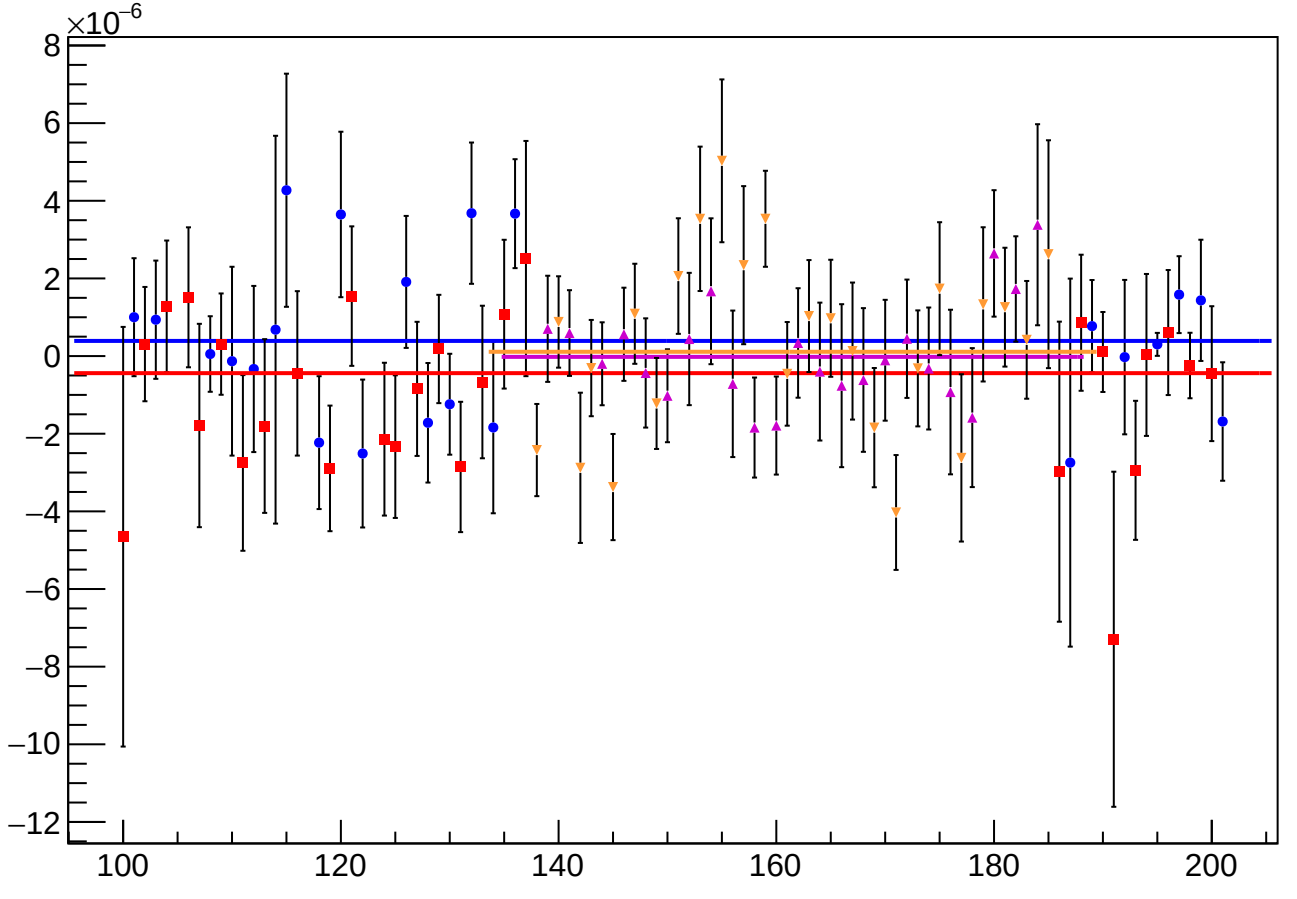
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.808+/-0.003 χ^2/NDF: 9995898.2/50

In: 15.566+/-0.002 χ^2/NDF:7392120.7/45

Out: 15.684+/-0.002 χ^2/NDF:8710284.2/52

All: 15.627+/-0.002 χ^2/NDF: 16103879.9/98



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: 20.6/27

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

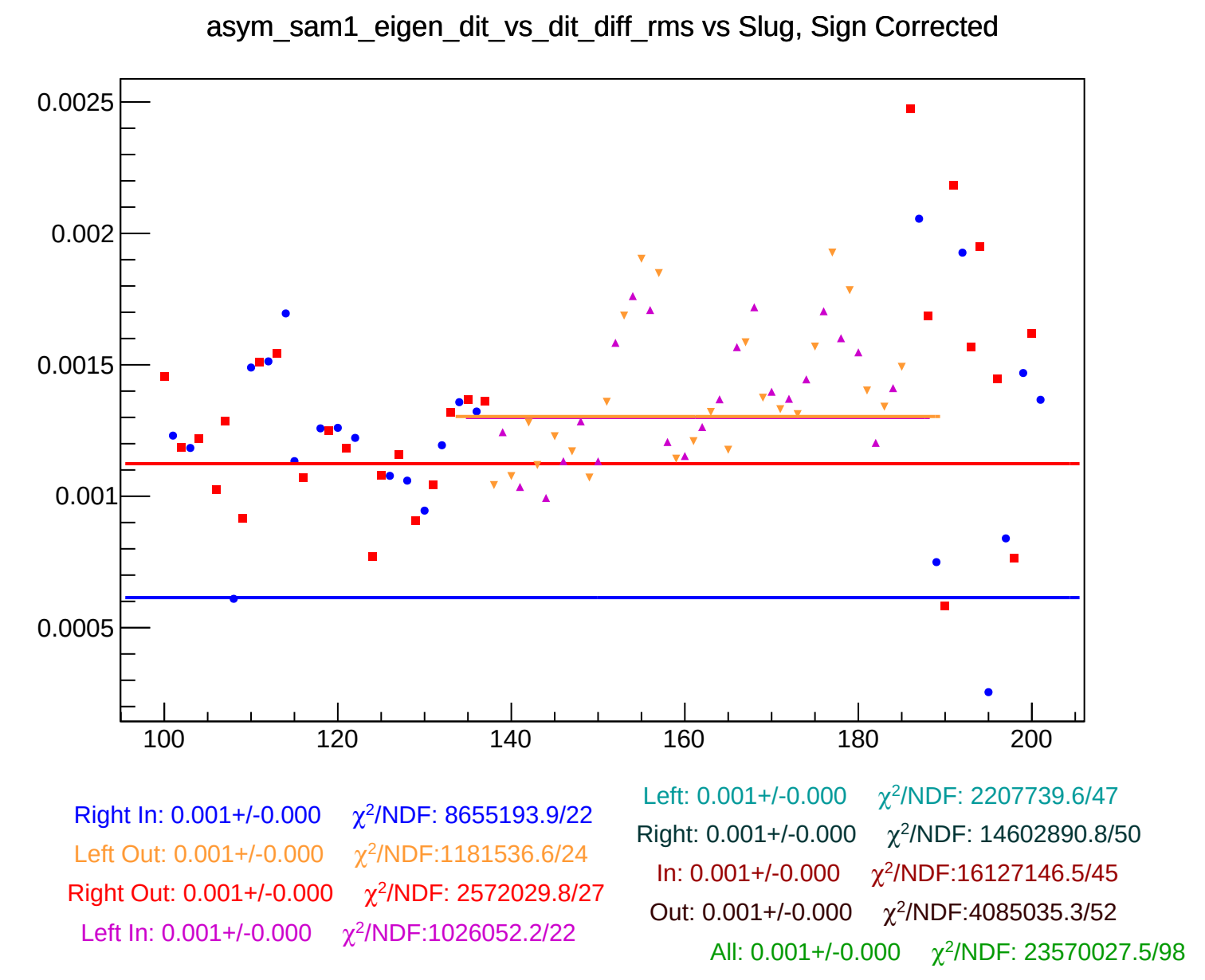
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

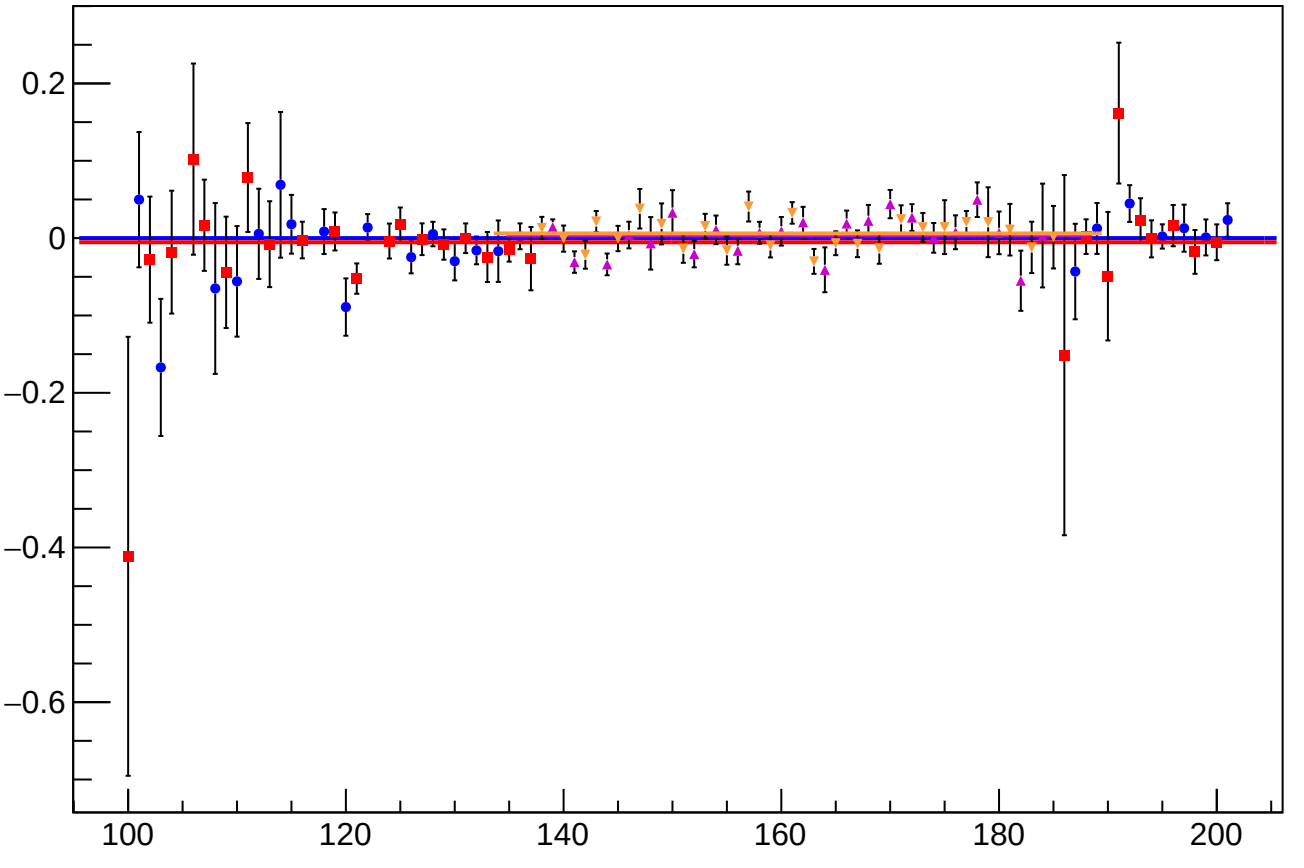
Right: 0.000+/-0.000 χ^2/NDF: 52.7/50

In: 0.000+/-0.000 χ^2/NDF:42.9/45

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: 0.000+/-0.000 χ^2/NDF: 117.0/98


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: 2572029.8/27
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: 14602890.8/50
In: 0.001+/-0.000 χ²/NDF:16127146.5/45
Out: 0.001+/-0.000 χ²/NDF:4085035.3/52
All: 0.001+/-0.000 χ²/NDF: 23570027.5/98



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: 19.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

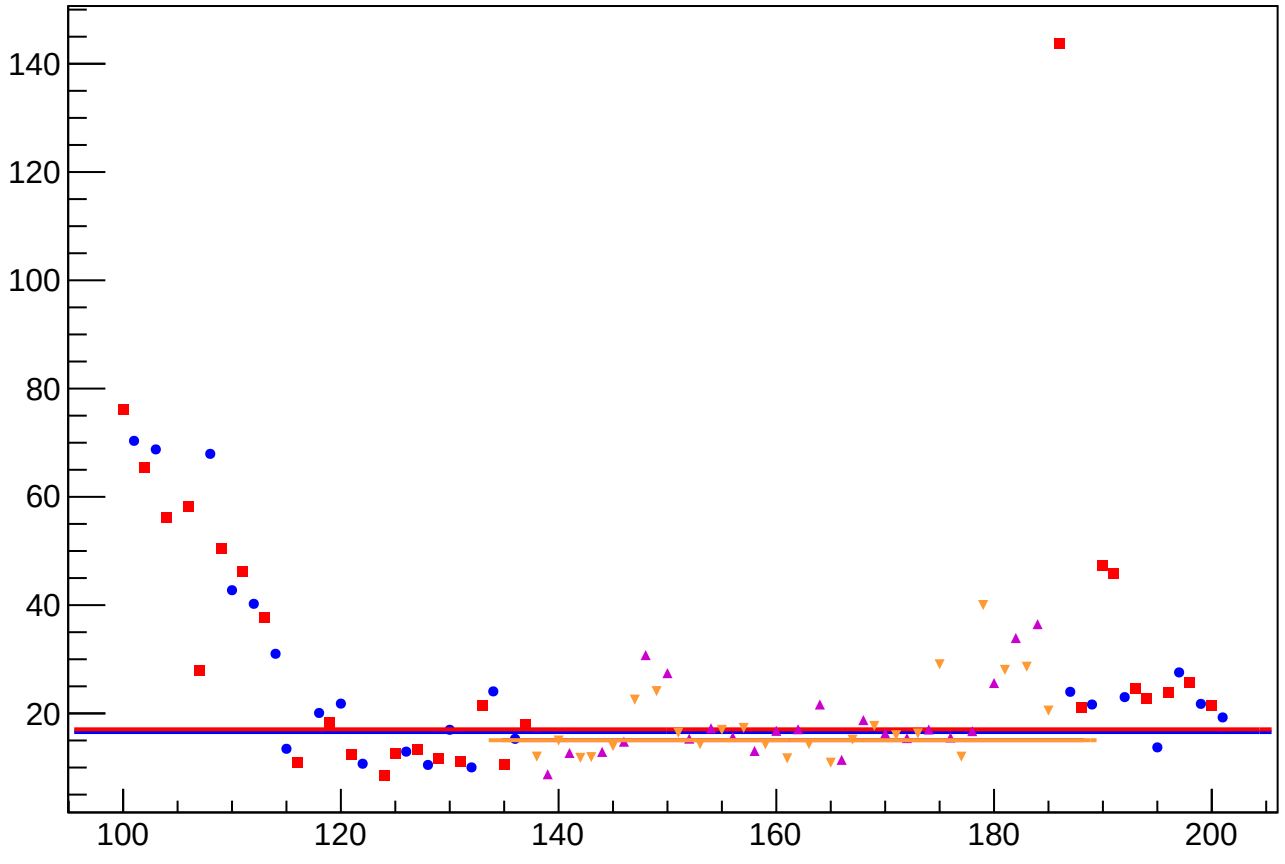
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 41.0/50

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 107.7/98



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: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

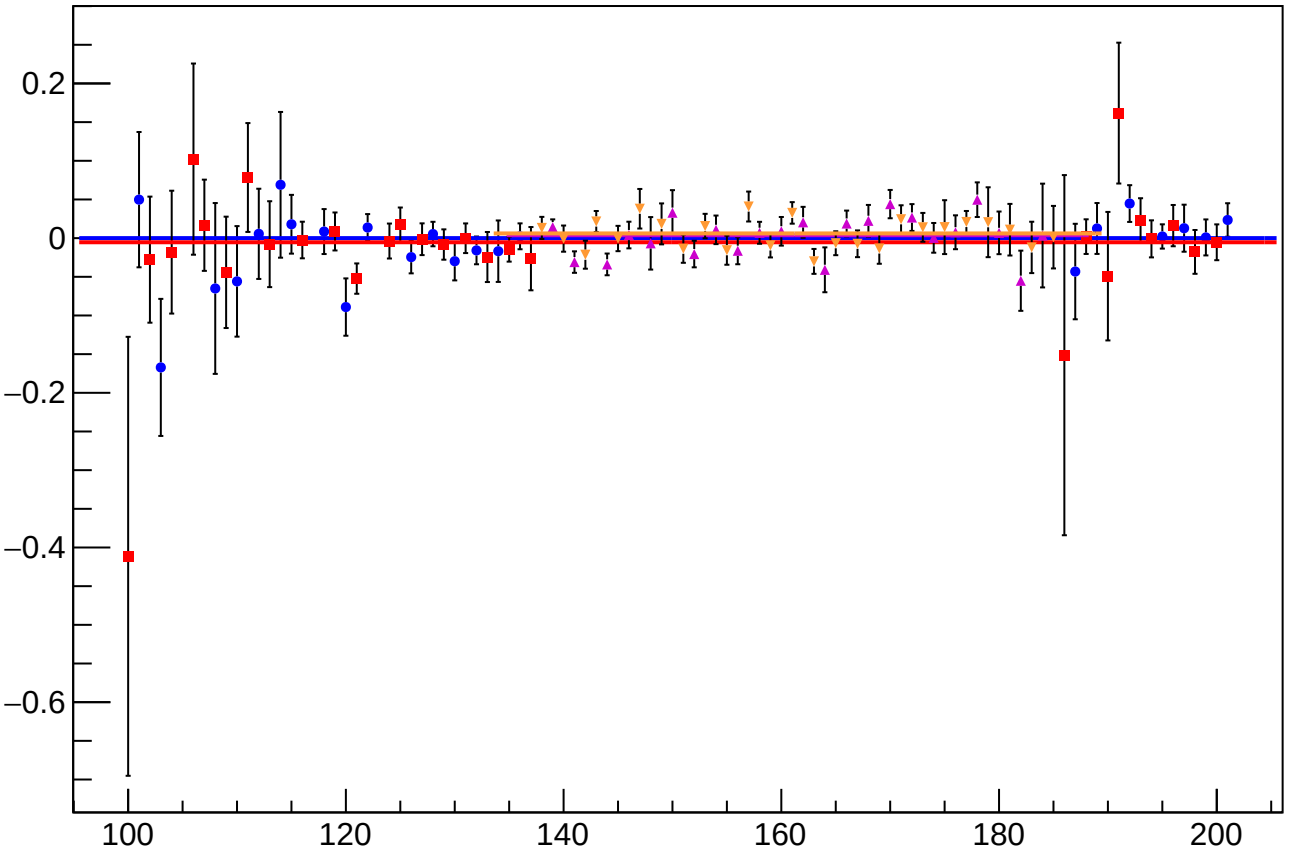
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.808+/-0.003 χ^2/NDF: 9995828.3/50

In: 15.565+/-0.002 χ^2/NDF:7392141.6/45

Out: 15.684+/-0.002 χ^2/NDF:8710465.6/52

All: 15.626+/-0.002 χ^2/NDF: 16104081.4/98



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: 19.0/27

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

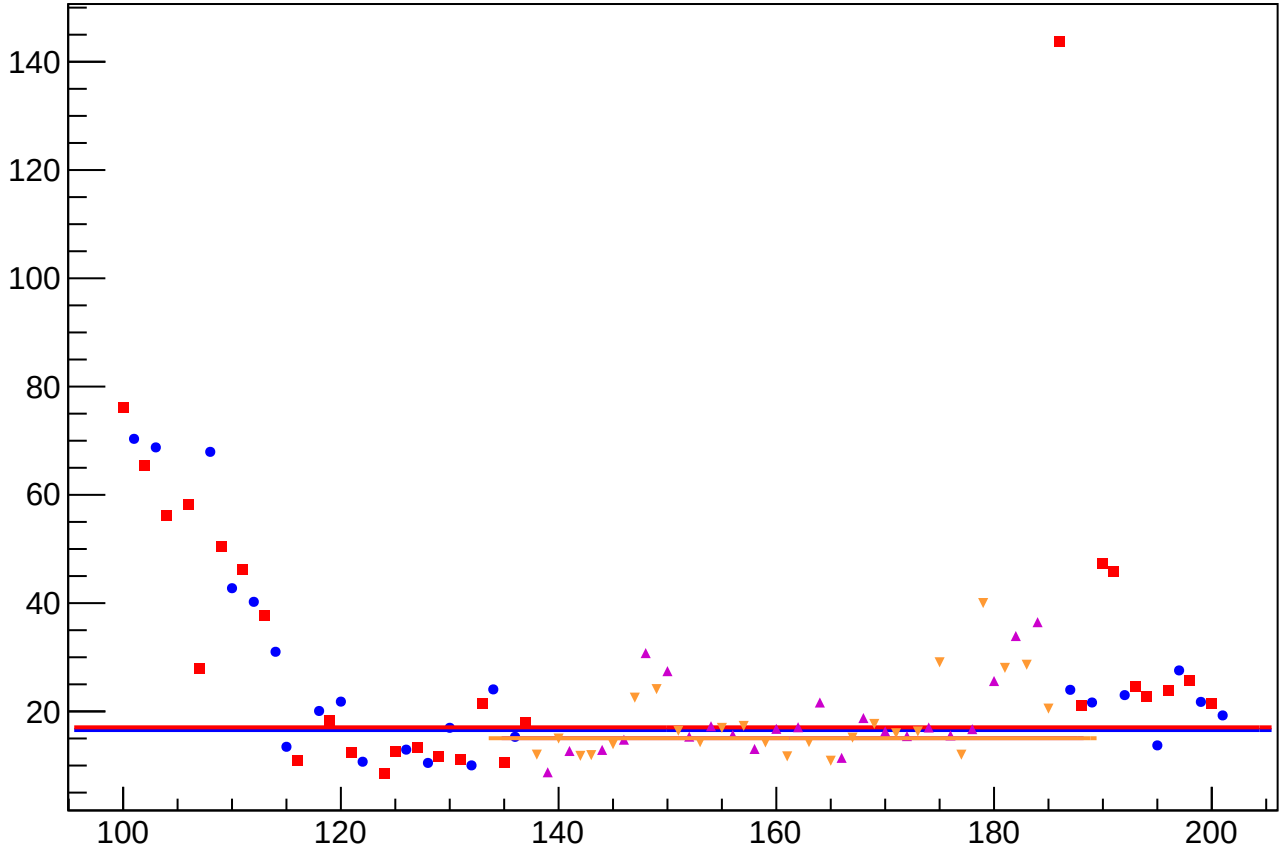
Right: -0.003+/-0.004 χ^2/NDF: 41.0/50

In: 0.003+/-0.003 χ^2/NDF:59.0/45

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 107.7/98

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

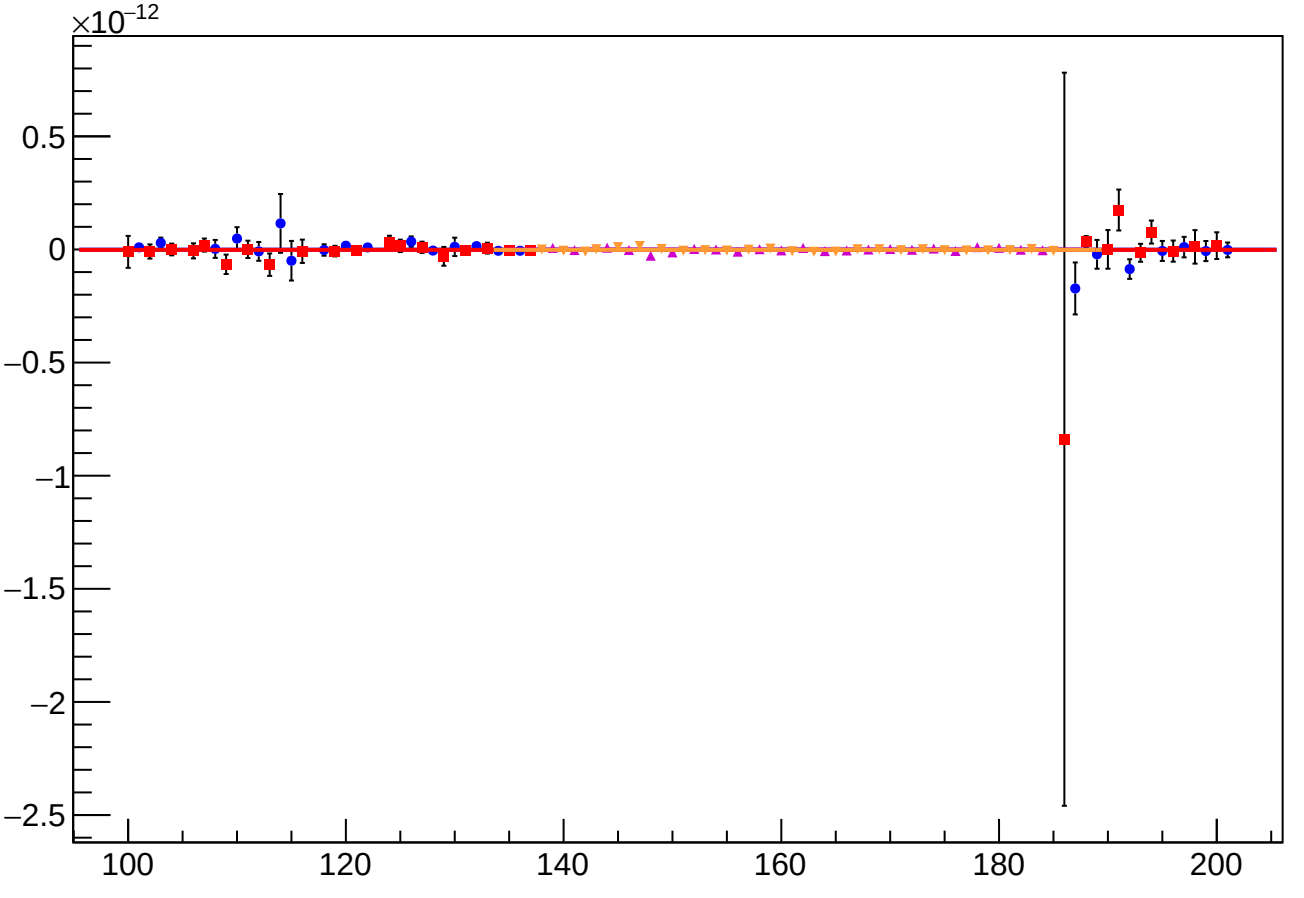
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.808+/-0.003 χ^2/NDF: 9995828.3/50

In: 15.565+/-0.002 χ^2/NDF:7392141.6/45

Out: 15.684+/-0.002 χ^2/NDF:8710465.6/52

All: 15.626+/-0.002 χ^2/NDF: 16104081.4/98



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: 15.7/27

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

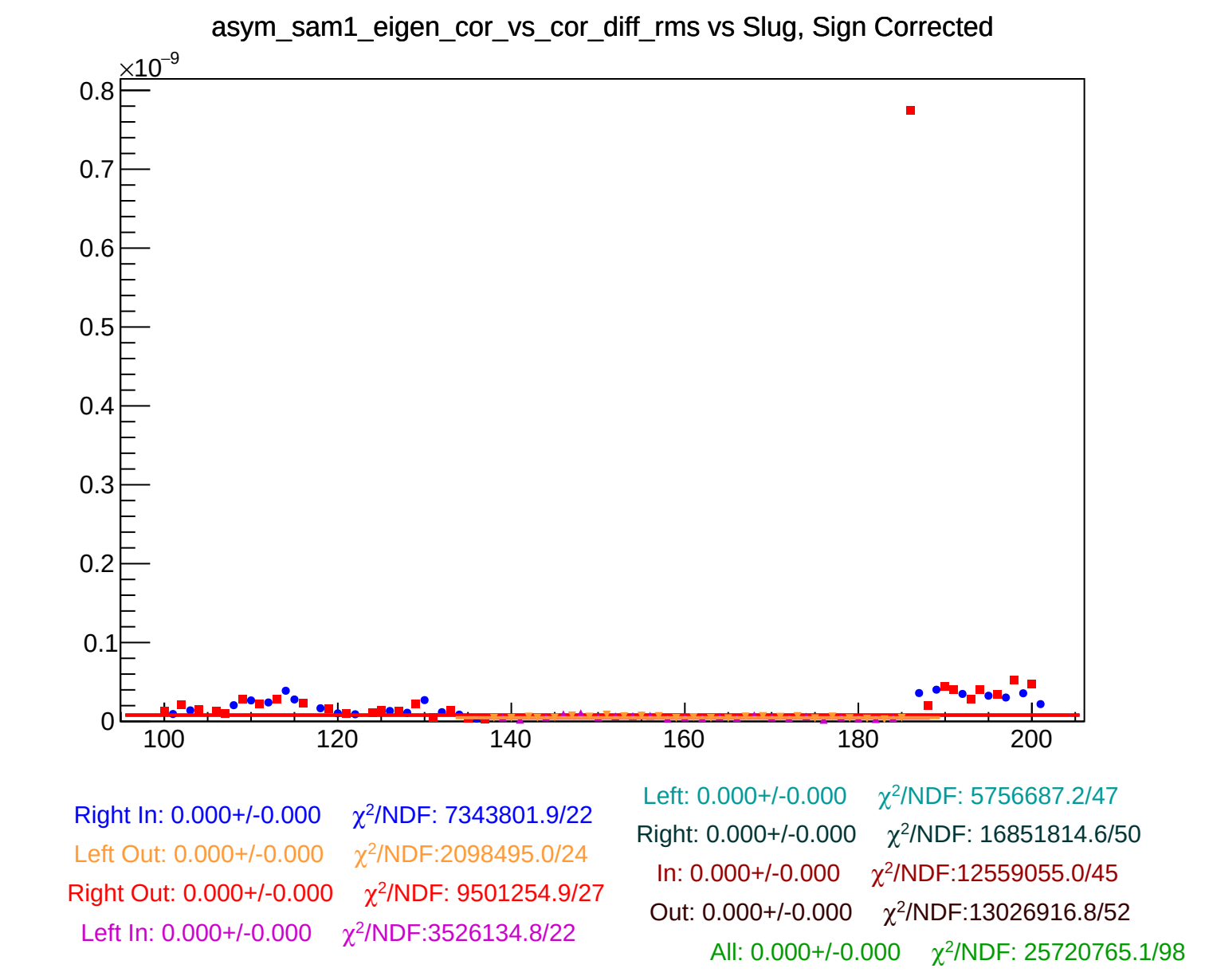
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.4/50

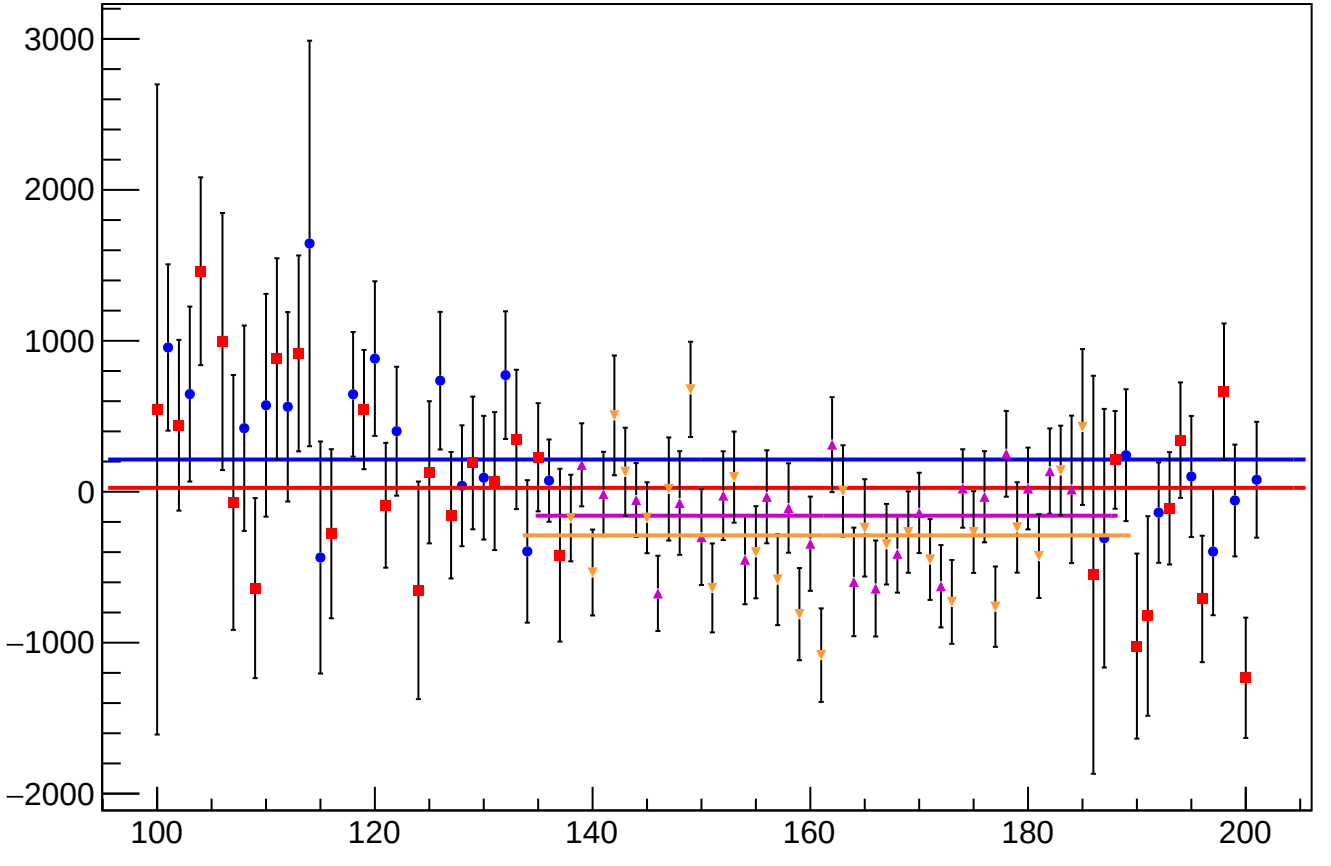
In: -0.000+/-0.000 χ^2/NDF:37.1/45

Out: -0.000+/-0.000 χ^2/NDF:30.9/52

All: -0.000+/-0.000 χ^2/NDF: 68.4/98


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7343801.9/22
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9501254.9/27
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 16851814.6/50
In: 0.000+/-0.000 χ²/NDF:12559055.0/45
Out: 0.000+/-0.000 χ²/NDF:13026916.8/52
All: 0.000+/-0.000 χ²/NDF: 25720765.1/98

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: 25.884+/-93.144 χ^2/NDF: 37.8/27

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

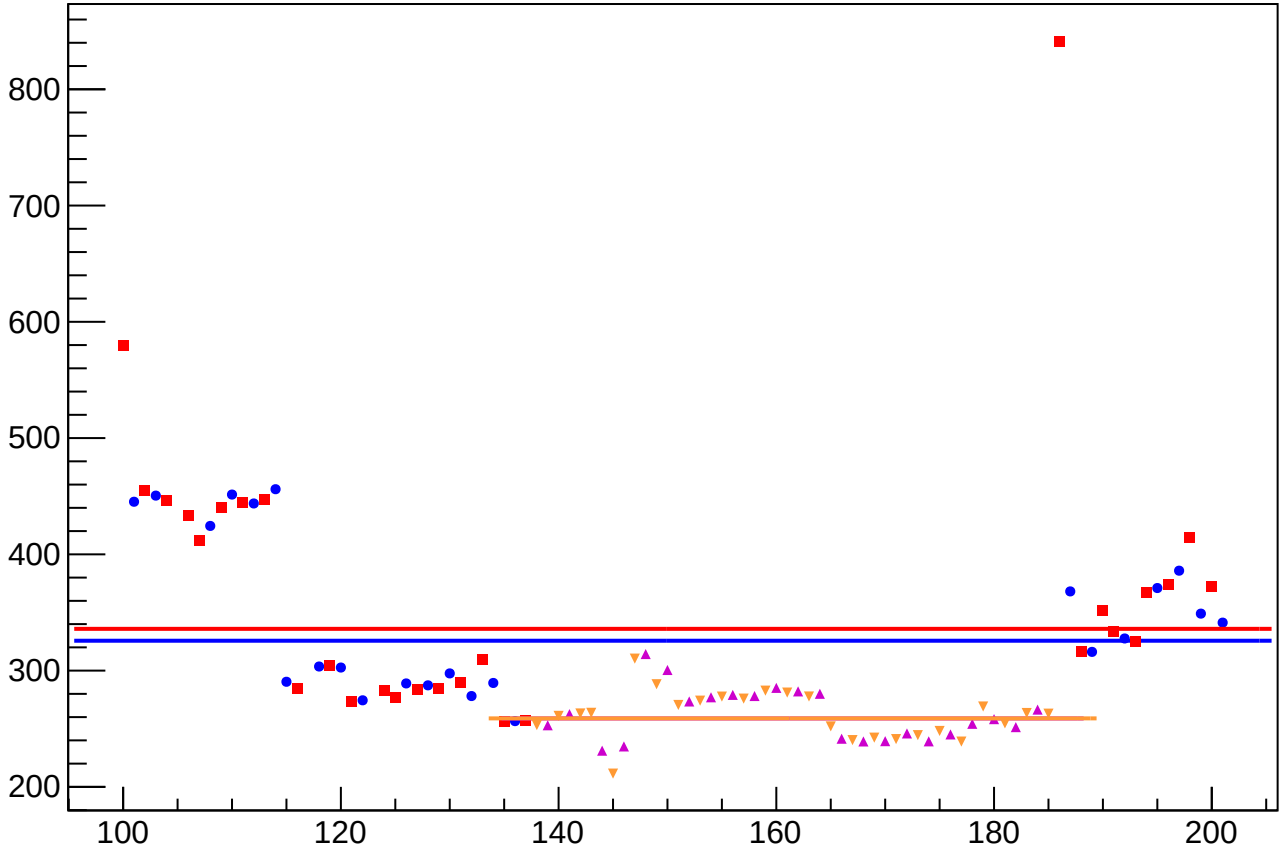
Right: 118.507+/-66.286 χ^2/NDF: 57.2/50

In: -49.646+/-51.053 χ^2/NDF:51.0/45

Out: -198.705+/-49.863 χ^2/NDF:88.3/52

All: -125.933+/-35.672 χ^2/NDF: 143.6/98

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: 335.923+/-0.066 χ^2/NDF: 1144648.1/27

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

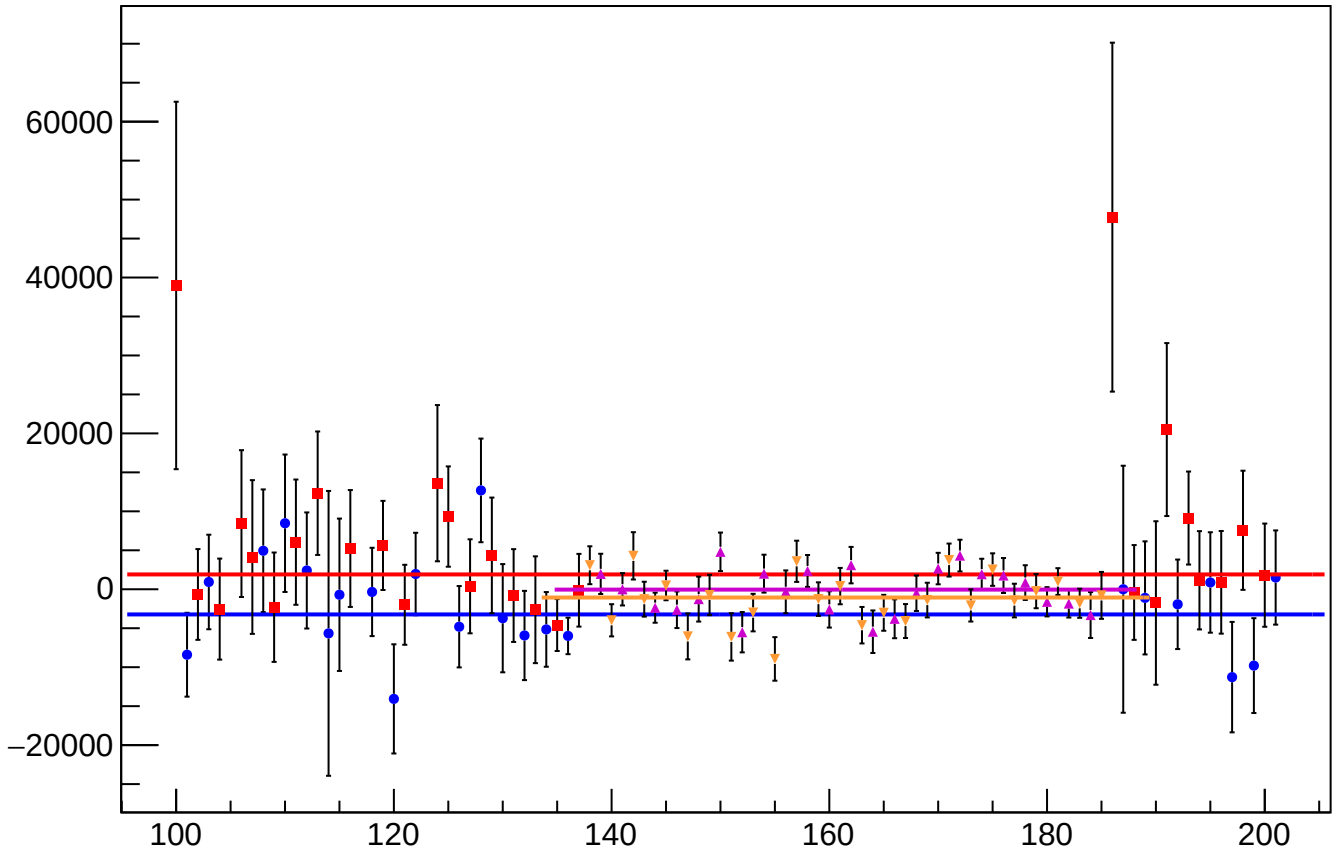
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.878+/-0.047 χ^2/NDF: 1866259.9/50

In: 278.417+/-0.036 χ^2/NDF:1664892.7/45

Out: 280.982+/-0.035 χ^2/NDF:2368756.5/52

All: 279.730+/-0.025 χ^2/NDF: 4036232.7/98



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: 1903.785+/-1247.585 χ^2/NDF: 24.0/27

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

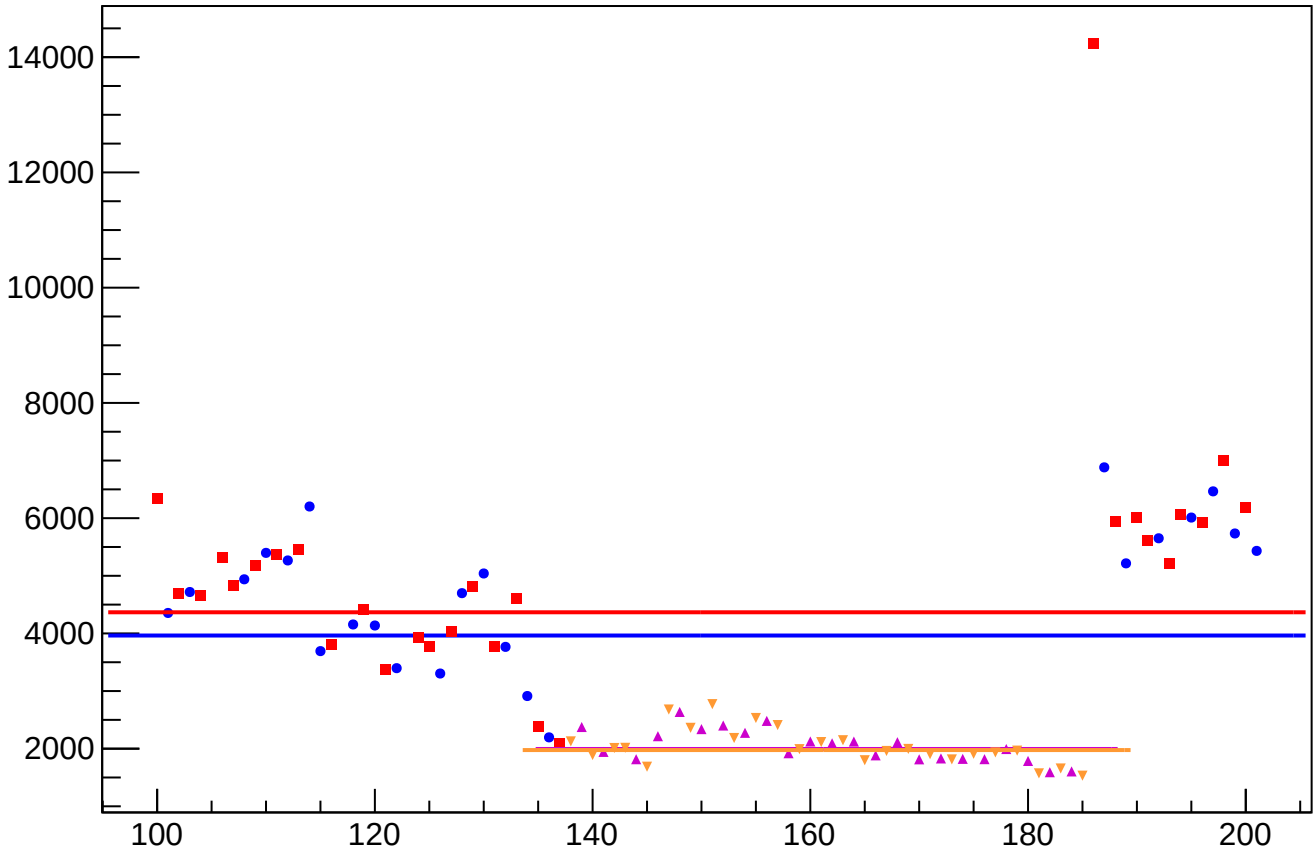
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -767.802+/-863.936 χ^2/NDF: 52.6/50

In: -470.566+/-438.075 χ^2/NDF:60.0/45

Out: -711.855+/-427.171 χ^2/NDF:70.5/52

All: -594.251+/-305.838 χ^2/NDF: 130.7/98



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: 4366.931+/-0.882 χ^2/NDF: 2756396.6/27

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

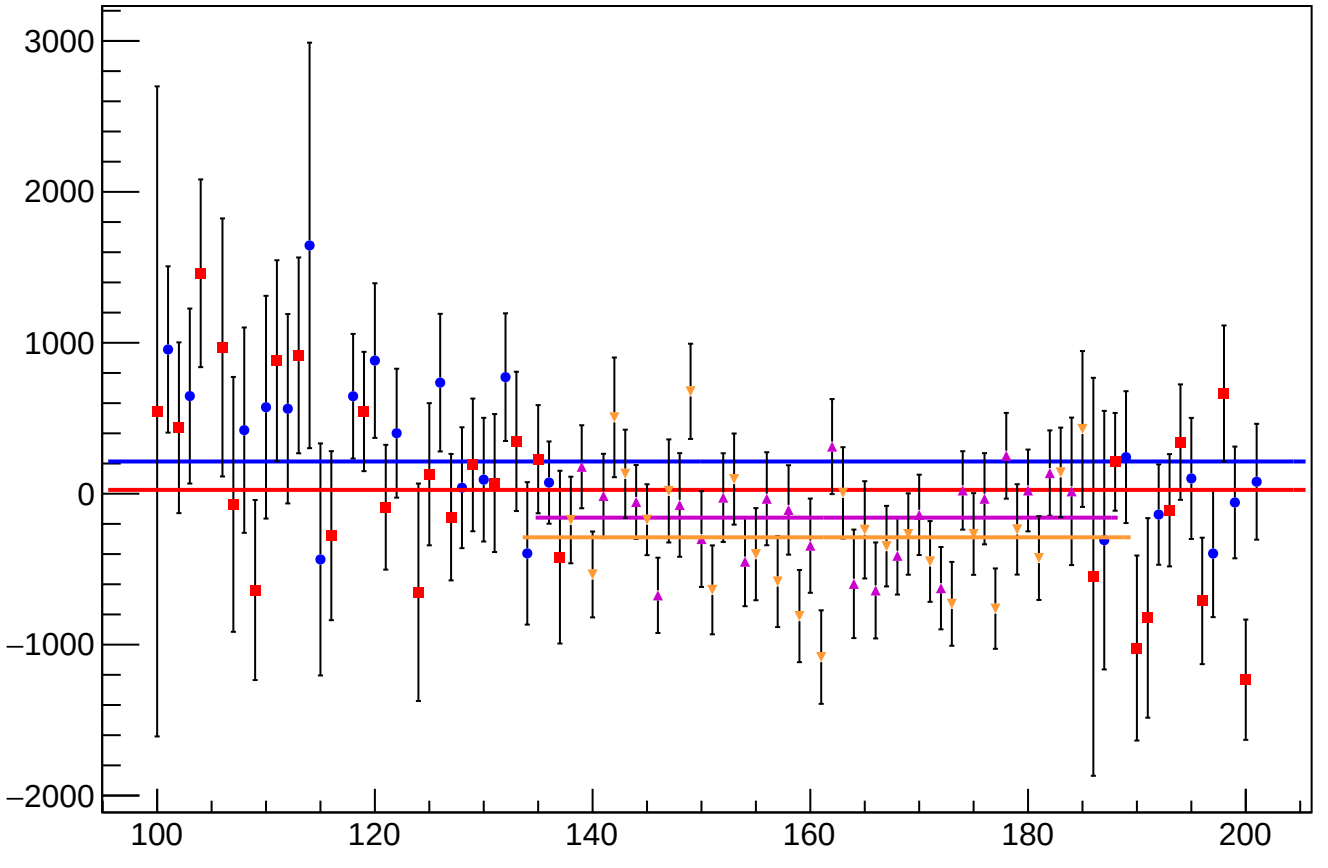
Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

Right: 4157.050+/-0.611 χ^2/NDF: 5488220.5/50

In: 2258.241+/-0.310 χ^2/NDF:7905978.3/45

Out: 2256.276+/-0.302 χ^2/NDF:10004274.3/52

All: 2257.233+/-0.216 χ^2/NDF: 17910273.3/9



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: 25.375+/-93.149 χ^2/NDF: 37.7/27

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

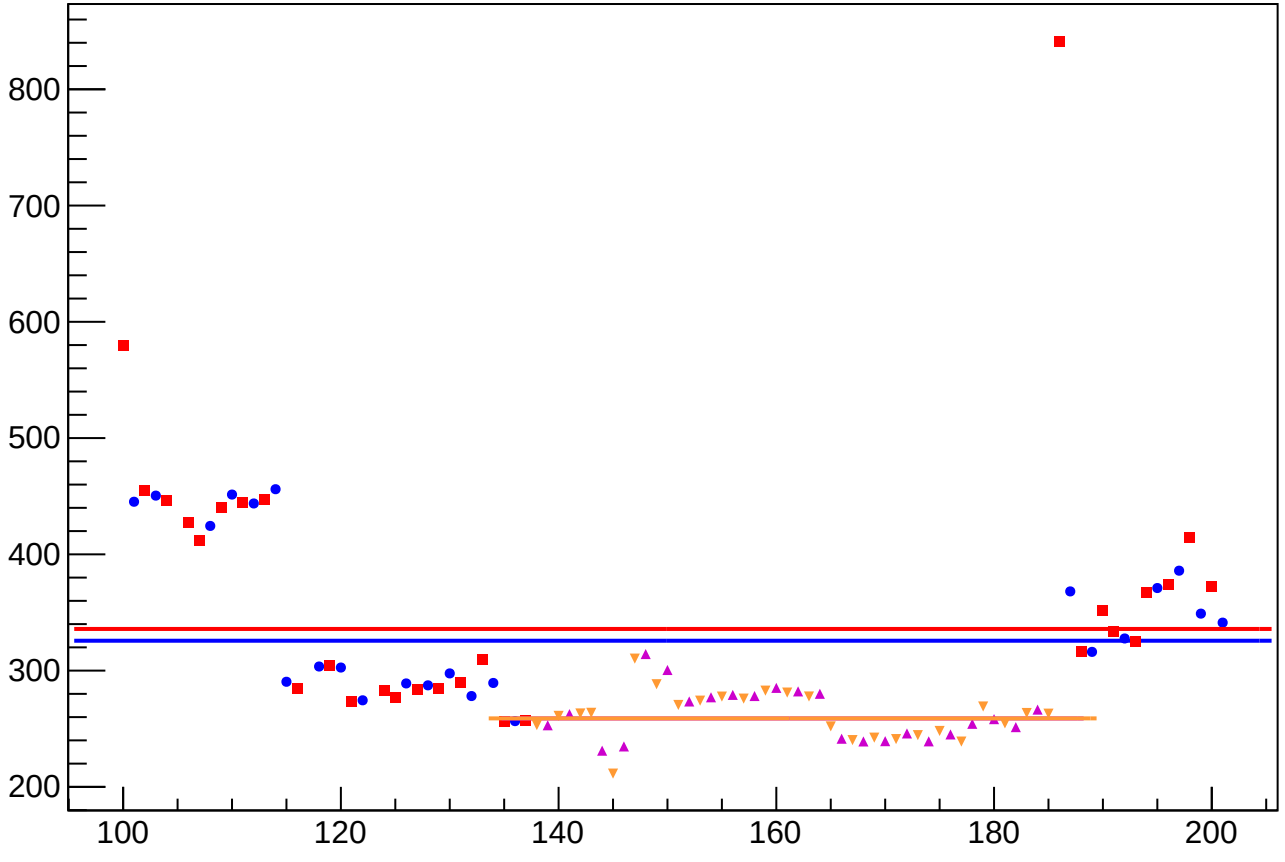
Right: 118.243+/-66.288 χ^2/NDF: 57.1/50

In: -49.661+/-51.053 χ^2/NDF:51.0/45

Out: -198.861+/-49.864 χ^2/NDF:88.2/52

All: -126.019+/-35.672 χ^2/NDF: 143.5/98

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: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

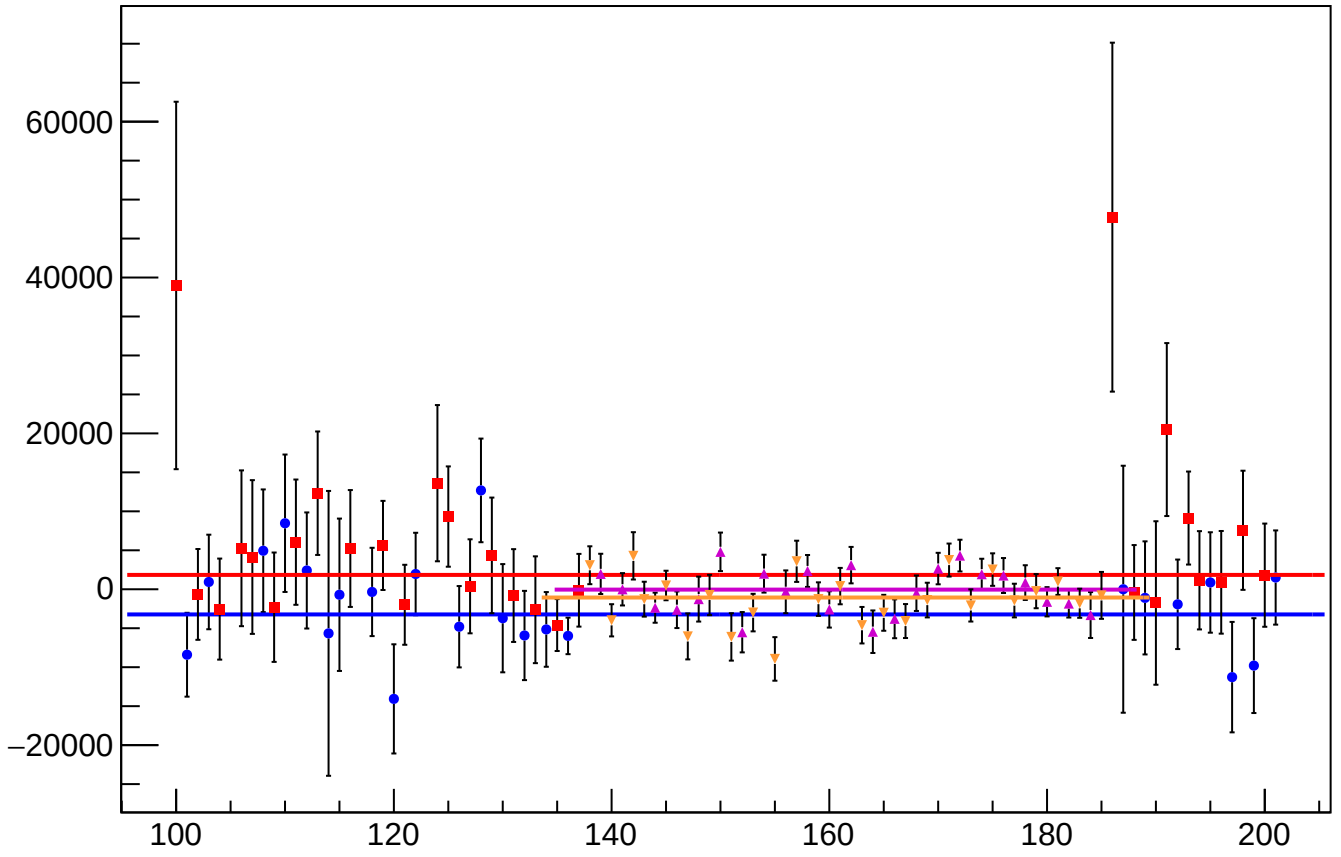
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.834+/-0.047 χ^2/NDF: 1862548.9/50

In: 278.417+/-0.036 χ^2/NDF:1664894.2/45

Out: 280.955+/-0.035 χ^2/NDF:2362962.6/52

All: 279.716+/-0.025 χ^2/NDF: 4030386.7/98



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: 1842.006+/-1248.837 χ^2/NDF: 23.7/27

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

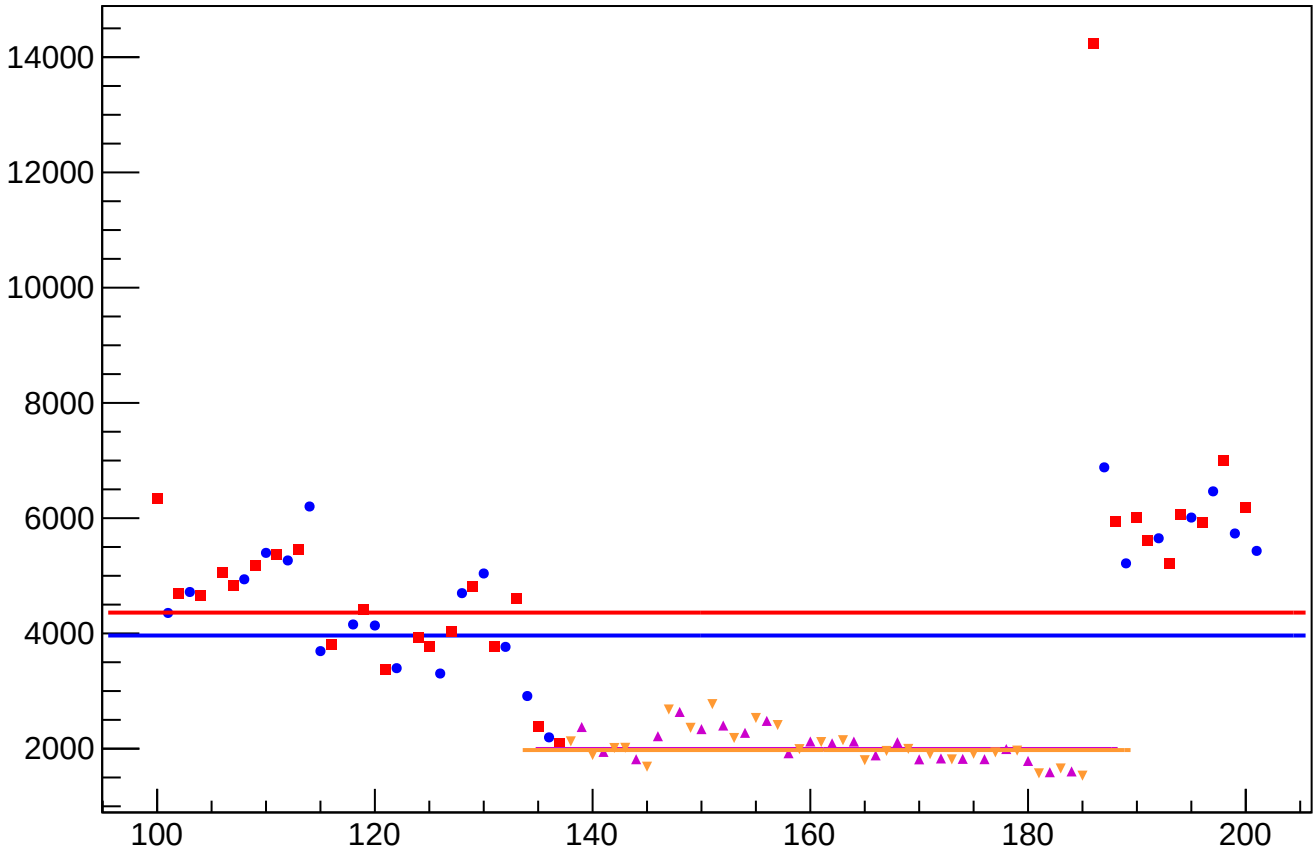
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -799.936+/-864.353 χ^2/NDF: 52.0/50

In: -470.555+/-438.075 χ^2/NDF:60.0/45

Out: -719.702+/-427.221 χ^2/NDF:69.9/52

All: -598.253+/-305.856 χ^2/NDF: 130.2/98



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: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

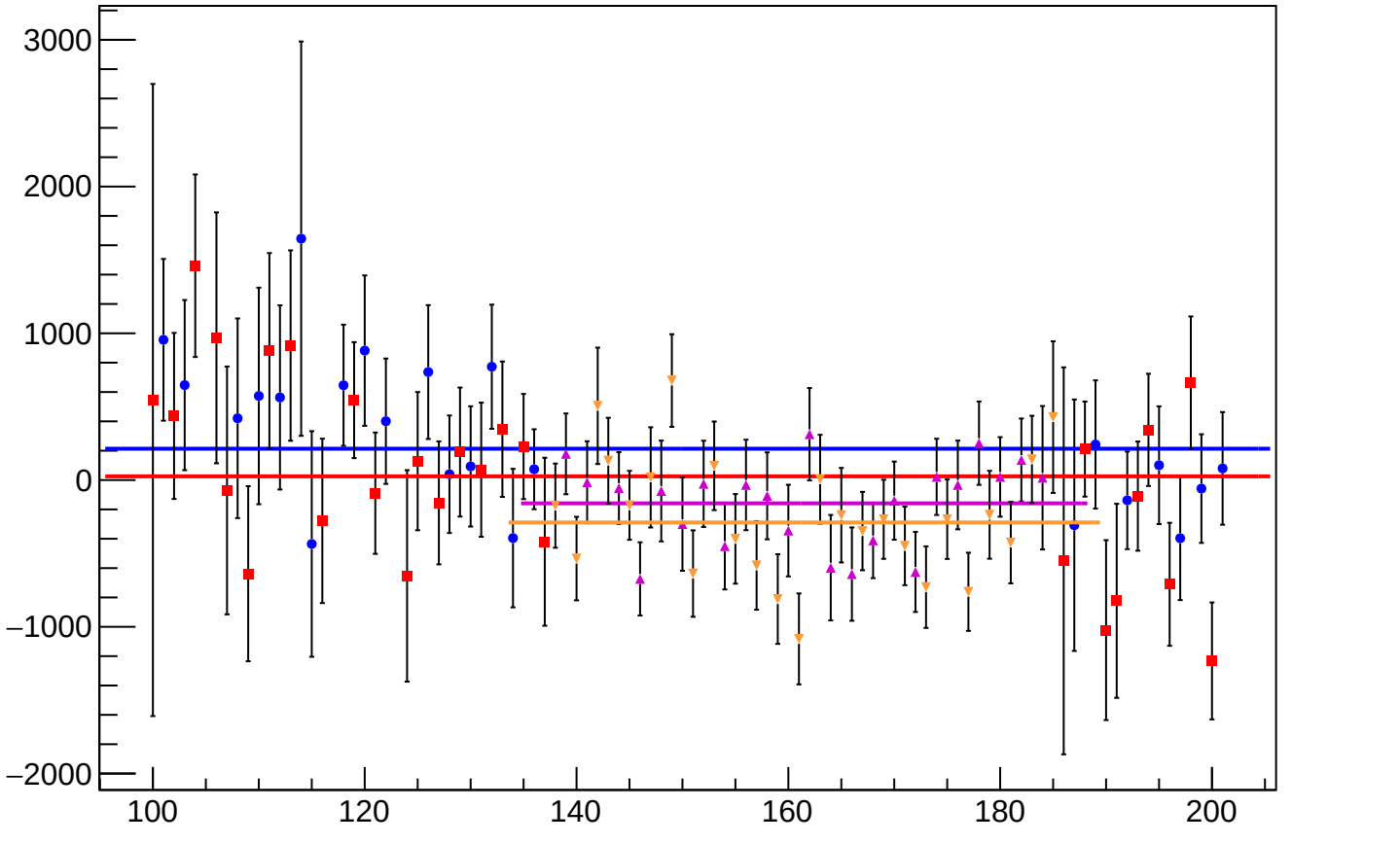
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

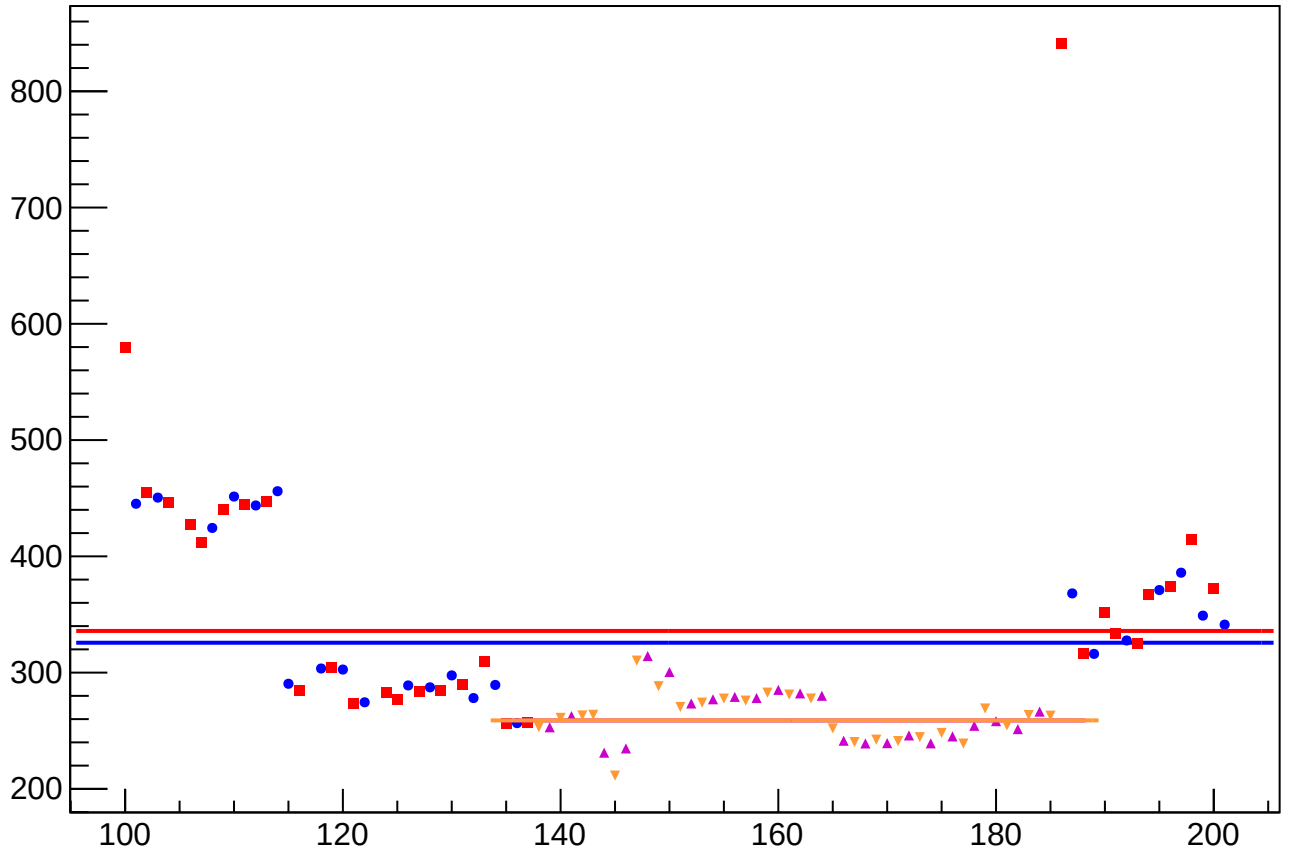
Right: 4154.175+/-0.611 χ^2/NDF: 5474854.2/50

In: 2258.241+/-0.310 χ^2/NDF:7905998.9/45

Out: 2255.126+/-0.302 χ^2/NDF:9952315.5/52

All: 2256.644+/-0.216 χ^2/NDF: 17858366.3/9


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
Right In: 213.530+/-94.354 χ²/NDF: 17.4/22
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: 25.375+/-93.149 χ²/NDF: 37.7/27
Left In: -158.612+/-60.708 χ²/NDF:22.5/22
Left: -225.590+/-42.323 χ²/NDF: 67.3/47
Right: 118.243+/-66.288 χ²/NDF: 57.1/50
In: -49.661+/-51.053 χ²/NDF:51.0/45
Out: -198.861+/-49.864 χ²/NDF:88.2/52
All: -126.019+/-35.672 χ²/NDF: 143.5/98



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: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

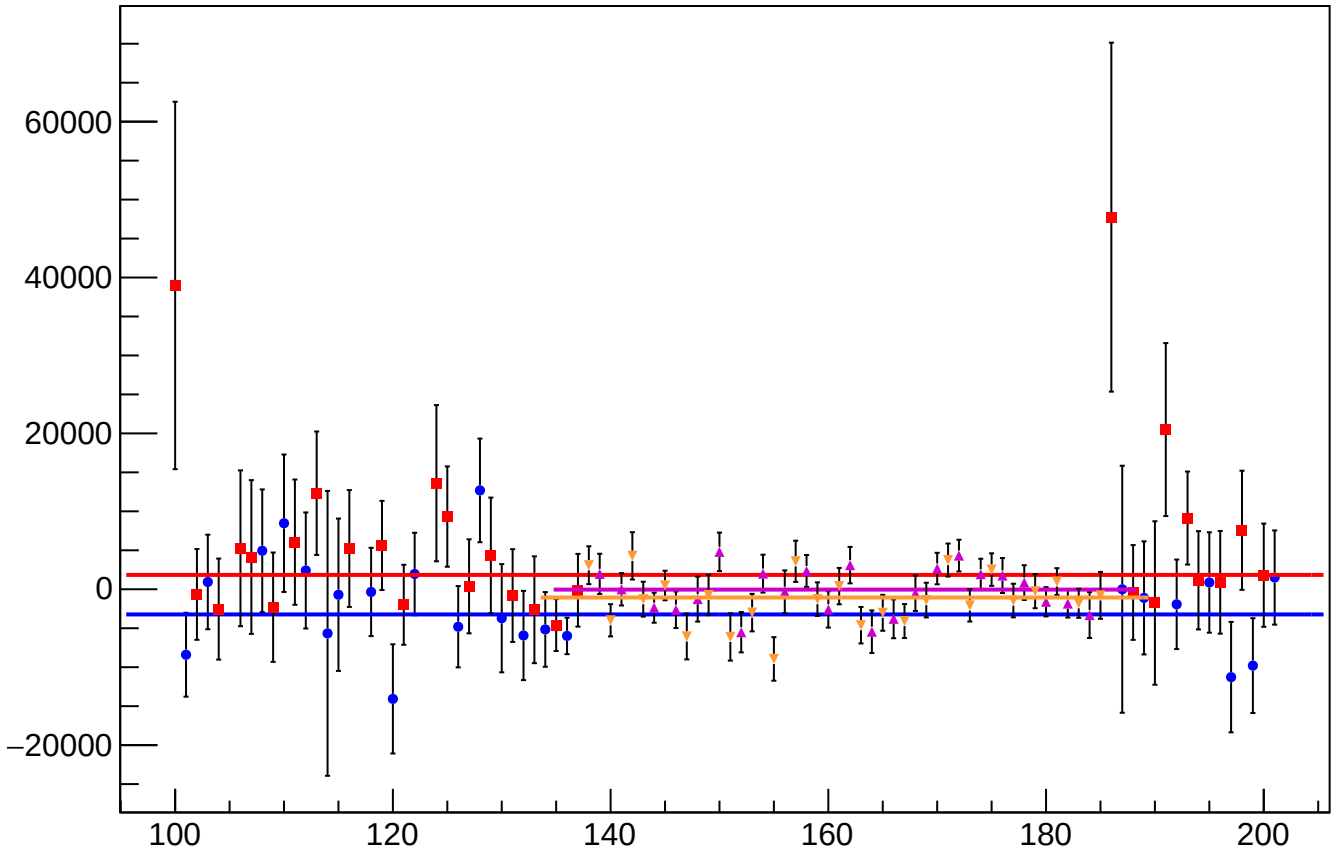
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.834+/-0.047 χ^2/NDF: 1862548.9/50

In: 278.417+/-0.036 χ^2/NDF:1664894.2/45

Out: 280.955+/-0.035 χ^2/NDF:2362962.6/52

All: 279.716+/-0.025 χ^2/NDF: 4030386.7/98



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: 1842.006+/-1248.837 χ^2/NDF: 23.7/27

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

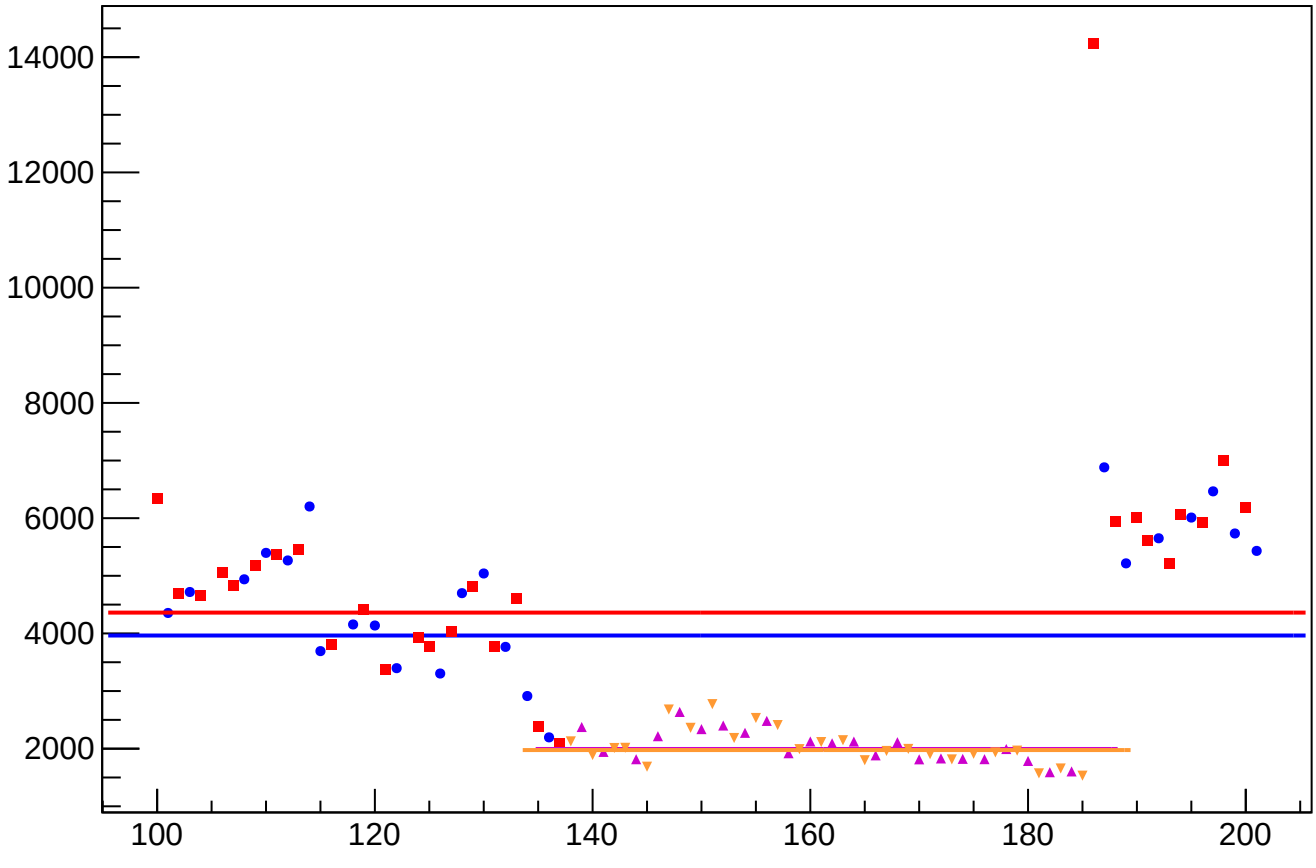
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -799.936+/-864.353 χ^2/NDF: 52.0/50

In: -470.555+/-438.075 χ^2/NDF:60.0/45

Out: -719.702+/-427.221 χ^2/NDF:69.9/52

All: -598.253+/-305.856 χ^2/NDF: 130.2/98



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: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

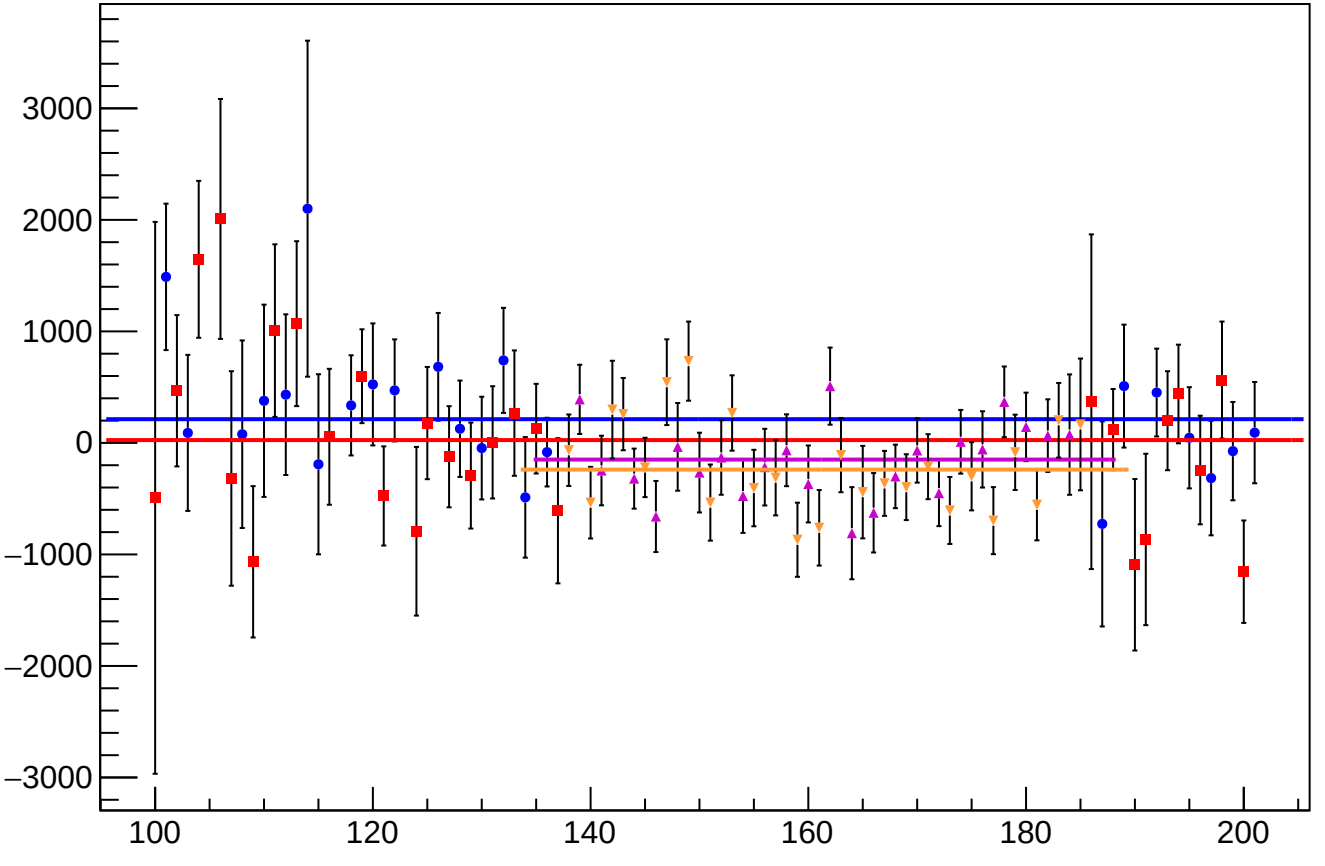
Right: 4154.175+/-0.611 χ^2/NDF: 5474854.2/50

In: 2258.241+/-0.310 χ^2/NDF:7905998.9/45

Out: 2255.126+/-0.302 χ^2/NDF:9952315.5/52

All: 2256.644+/-0.216 χ^2/NDF: 17858366.3/9

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 212.719+/-107.525 χ^2/NDF: 15.0/22

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 25.401+/-105.304 χ^2/NDF: 34.2/27

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

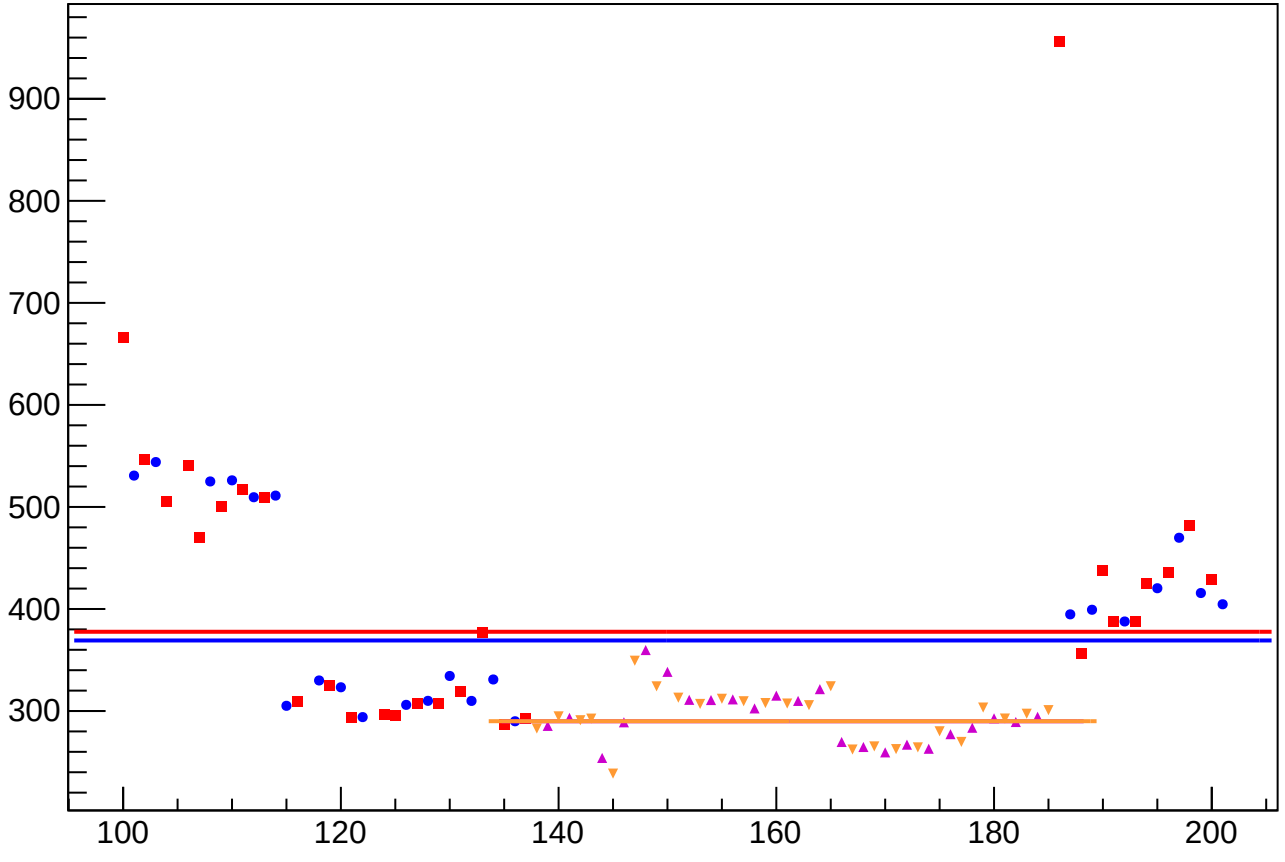
Right: 117.105+/-75.234 χ^2/NDF: 50.8/50

In: -45.684+/-57.568 χ^2/NDF:44.8/45

Out: -164.552+/-56.025 χ^2/NDF:72.8/52

All: -106.732+/-40.150 χ^2/NDF: 119.8/98

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: 377.677+/-0.074 χ^2/NDF: 1406750.7/27

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

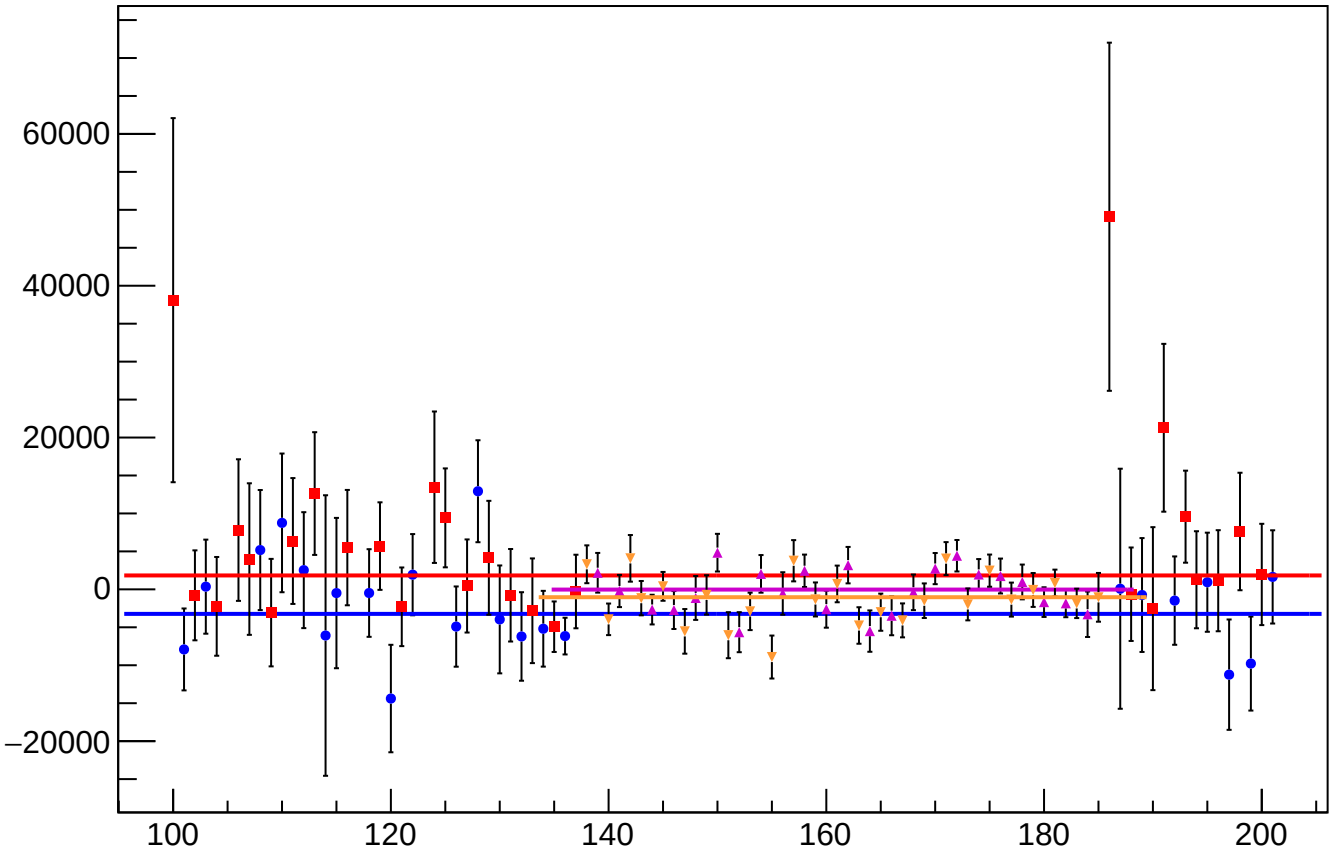
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 373.498+/-0.053 χ^2/NDF: 2389393.3/50

In: 312.643+/-0.041 χ^2/NDF:2019919.4/45

Out: 314.834+/-0.040 χ^2/NDF:2680904.1/52

All: 313.769+/-0.028 χ^2/NDF: 4702311.4/98



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: 1831.196+/-1262.692 χ^2/NDF: 24.9/27

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

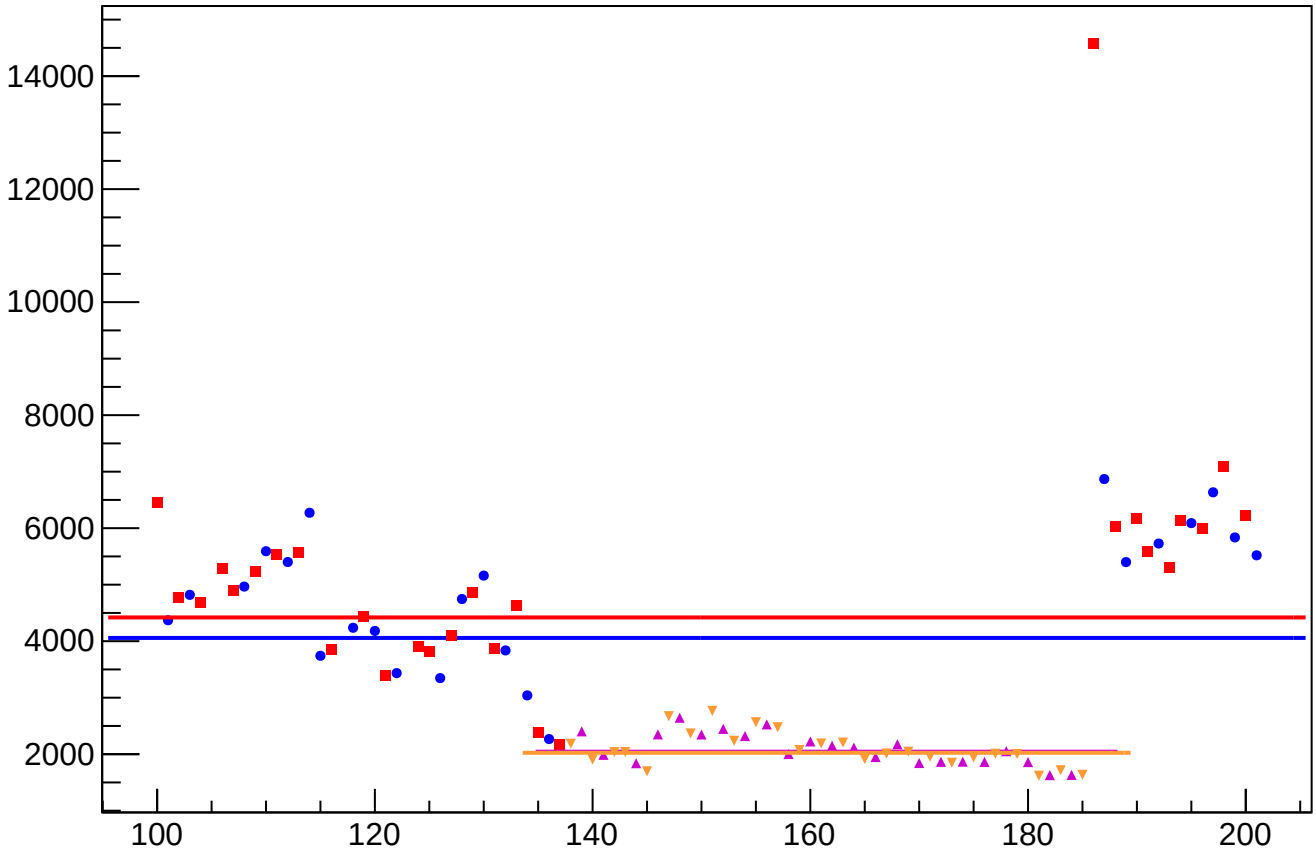
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -780.863+/-878.606 χ^2/NDF: 52.8/50

In: -461.140+/-448.672 χ^2/NDF:59.7/45

Out: -693.699+/-436.620 χ^2/NDF:69.7/52

All: -580.585+/-312.911 χ^2/NDF: 129.6/98



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: 4420.384+/-0.893 χ^2/NDF: 2759258.2/27

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

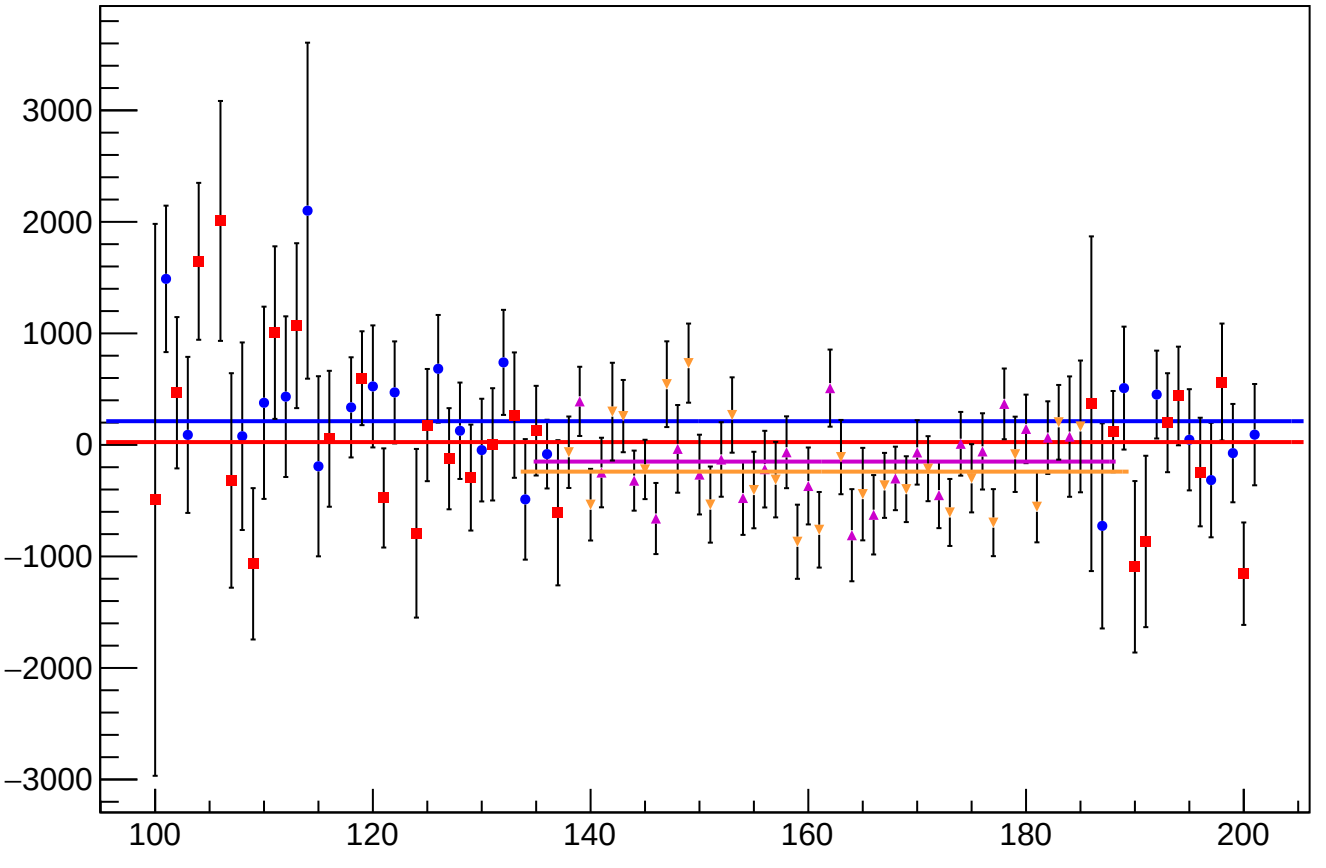
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4233.223+/-0.621 χ^2/NDF: 5389409.8/50

In: 2315.311+/-0.317 χ^2/NDF:7817067.8/45

Out: 2311.484+/-0.309 χ^2/NDF:9796598.4/52

All: 2313.345+/-0.221 χ^2/NDF: 17613740.9/9



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: 25.402+/-105.304 χ^2/NDF: 34.2/27

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

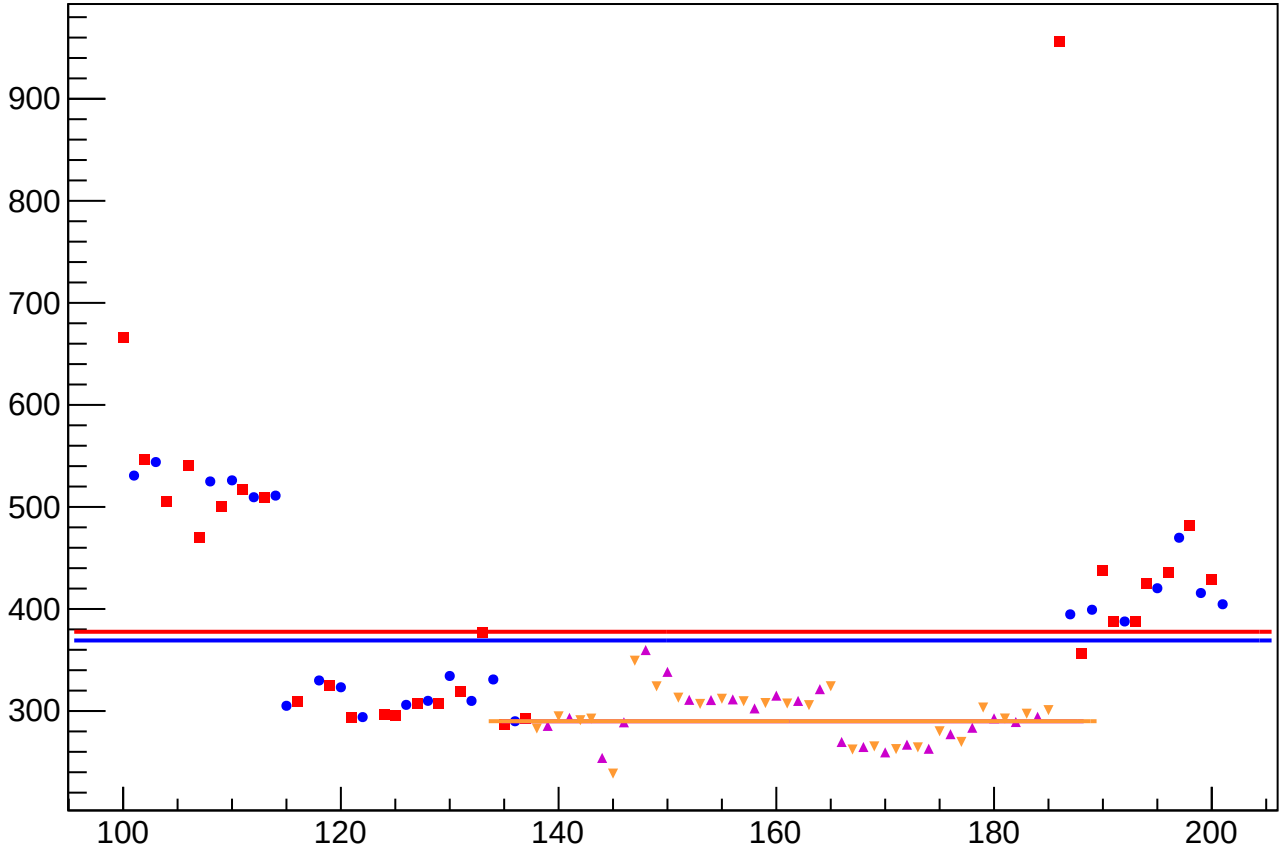
Right: 117.107+/-75.234 χ^2/NDF: 50.8/50

In: -45.683+/-57.568 χ^2/NDF:44.8/45

Out: -164.554+/-56.025 χ^2/NDF:72.8/52

All: -106.733+/-40.150 χ^2/NDF: 119.8/98

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: 377.676+/-0.074 χ^2/NDF: 1406744.2/27

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

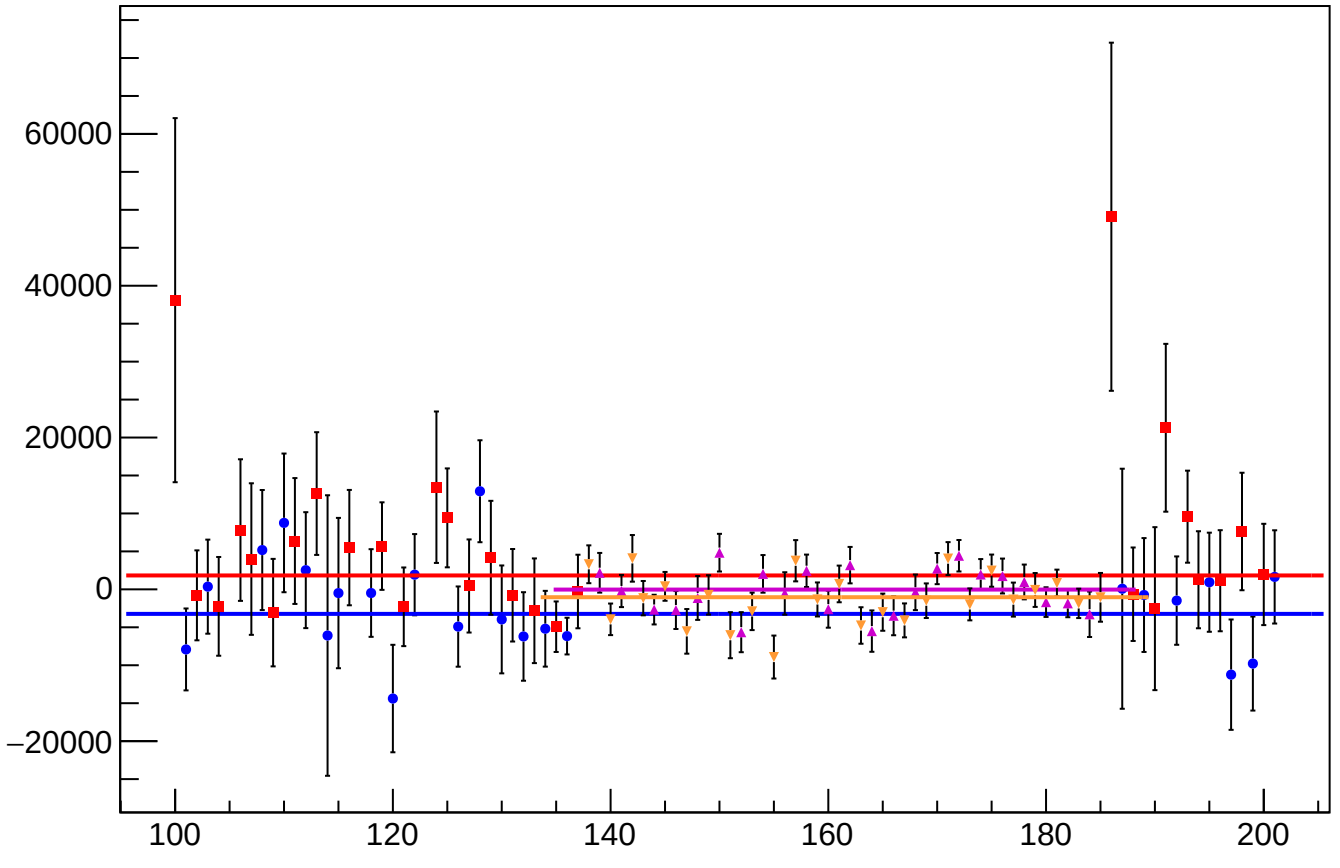
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 373.497+/-0.053 χ^2/NDF: 2389390.1/50

In: 312.643+/-0.041 χ^2/NDF:2019899.3/45

Out: 314.834+/-0.040 χ^2/NDF:2680885.5/52

All: 313.768+/-0.028 χ^2/NDF: 4702273.0/98



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: 1831.197+/-1262.691 χ^2/NDF: 24.9/27

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

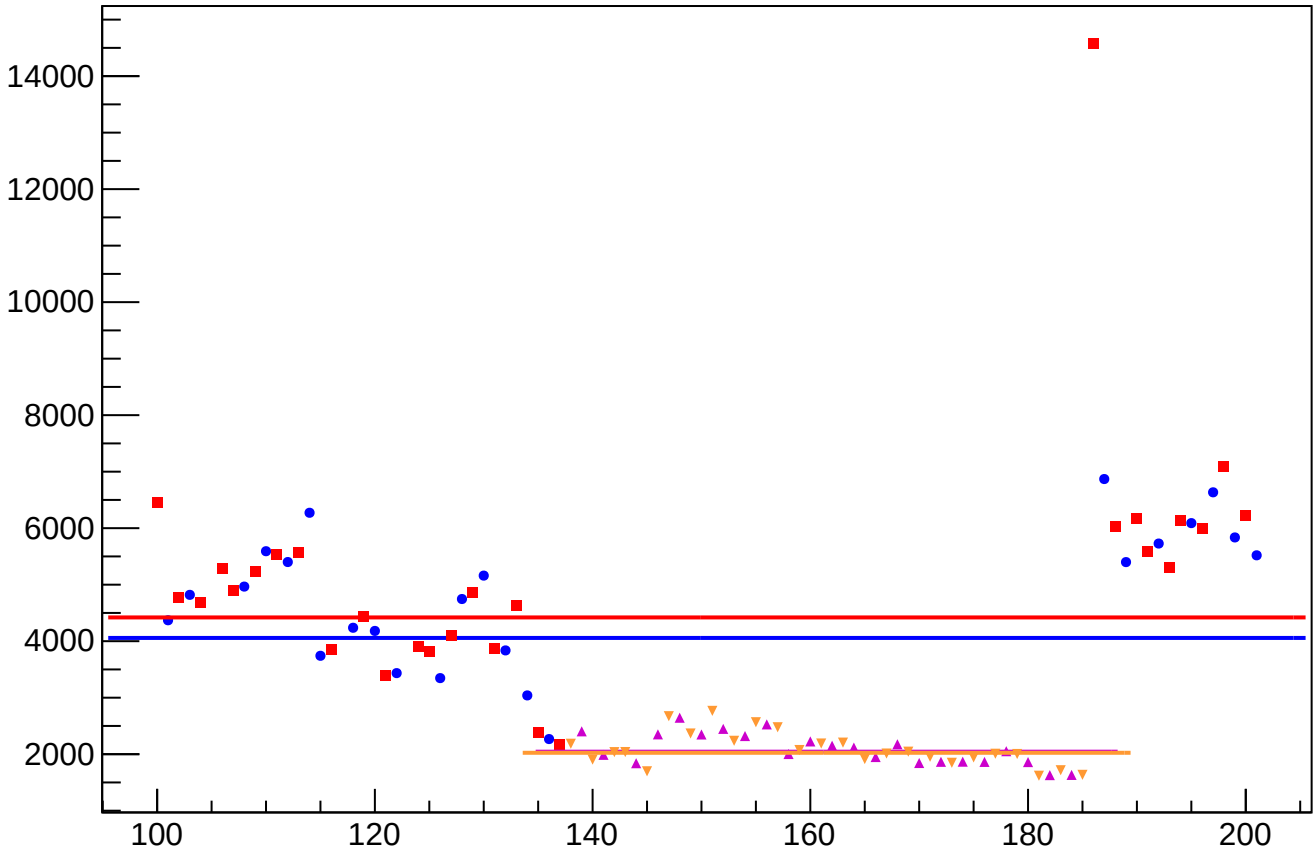
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -780.858+/-878.605 χ^2/NDF: 52.8/50

In: -461.139+/-448.672 χ^2/NDF:59.7/45

Out: -693.698+/-436.620 χ^2/NDF:69.7/52

All: -580.584+/-312.911 χ^2/NDF: 129.6/98



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: 4420.380+/-0.893 χ^2/NDF: 2759254.4/27

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

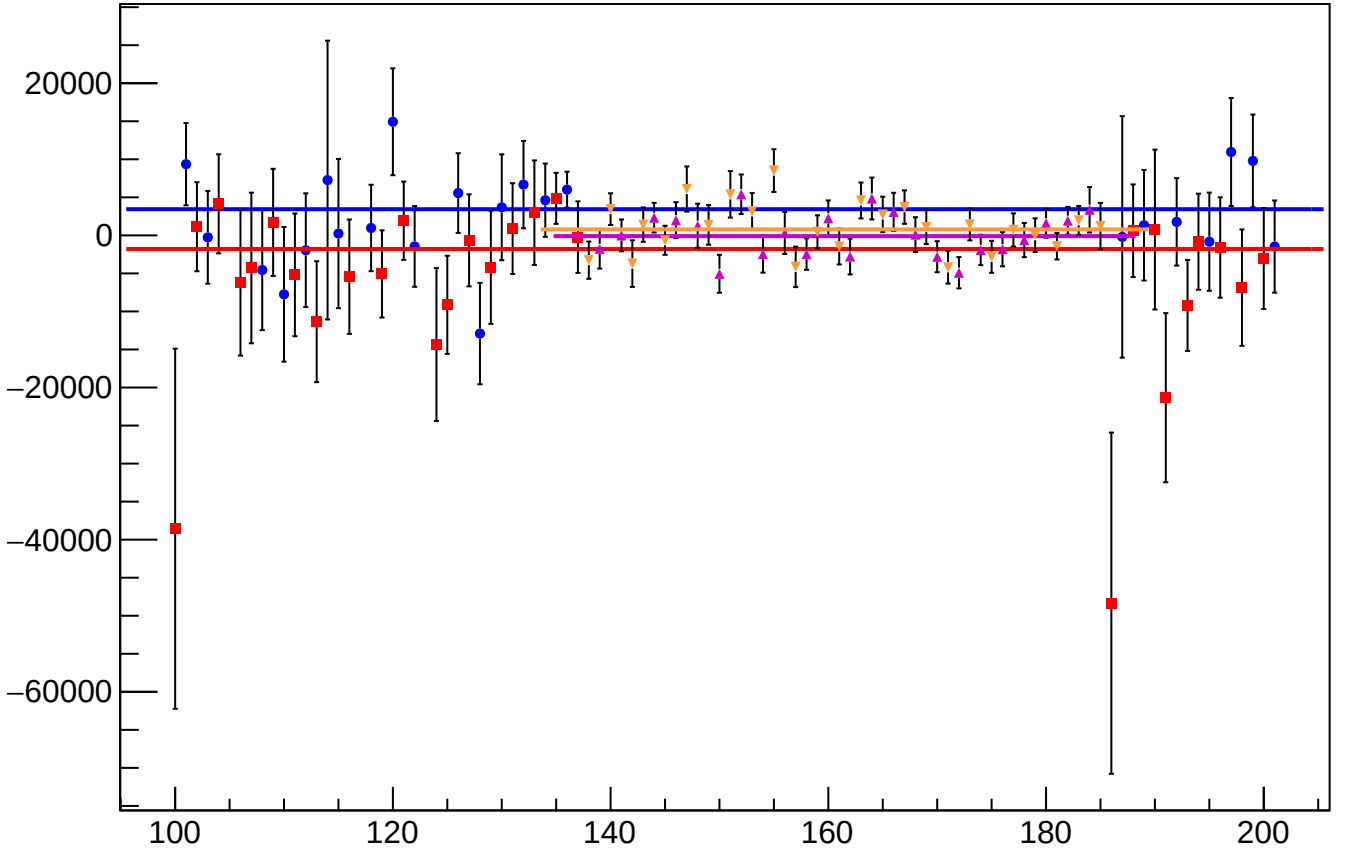
Right: 4233.219+/-0.621 χ^2/NDF: 5389395.9/50

In: 2315.311+/-0.317 χ^2/NDF:7817054.5/45

Out: 2311.484+/-0.309 χ^2/NDF:9796584.4/52

All: 2313.346+/-0.221 χ^2/NDF: 17613713.6/9

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: -1792.414+/-1252.246 χ^2/NDF: 24.1/27

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

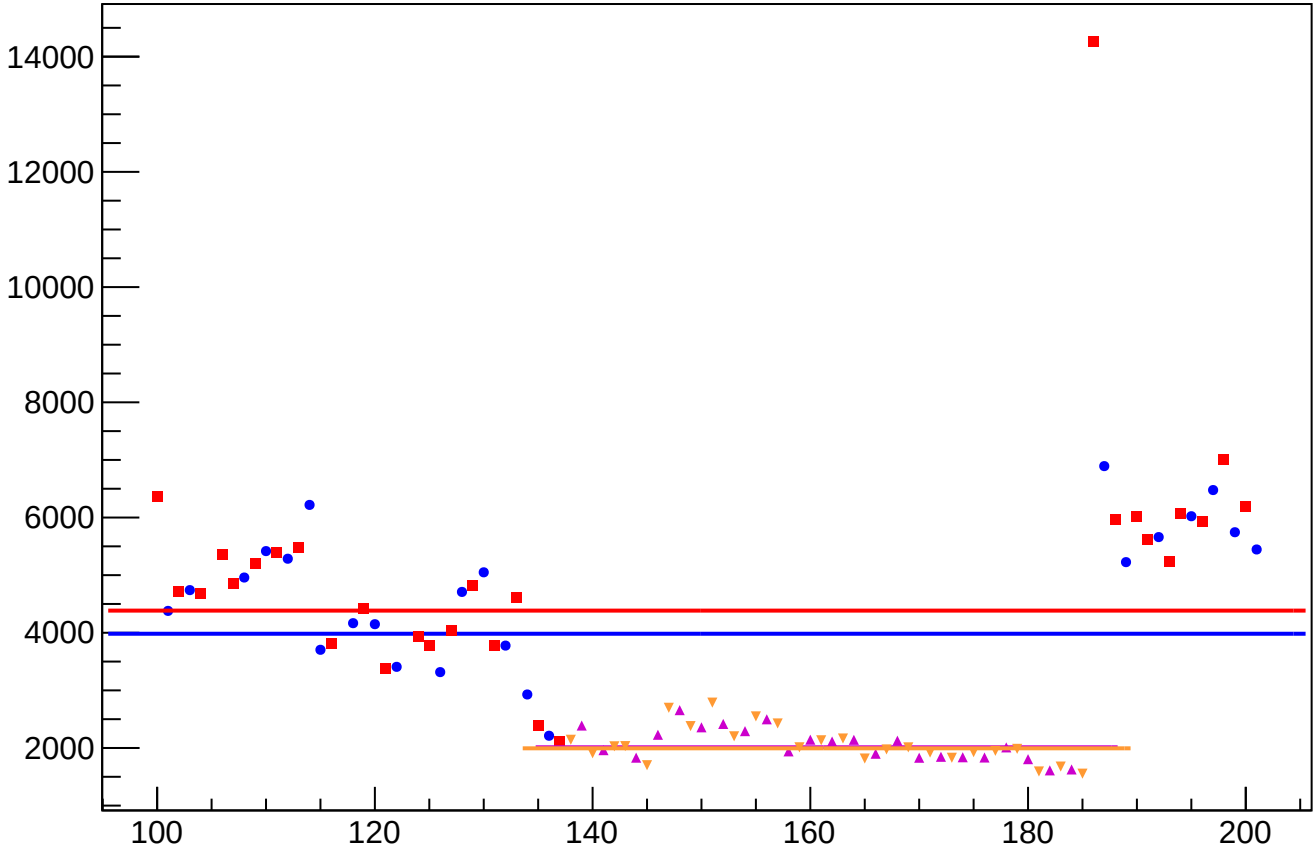
Right: 929.696+/-867.376 χ^2/NDF: 53.0/50

In: 380.297+/-441.645 χ^2/NDF:60.2/45

Out: 482.981+/-430.735 χ^2/NDF:69.2/52

All: 432.923+/-308.361 χ^2/NDF: 129.4/98

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: 4384.608+/-0.885 χ^2/NDF: 2735604.1/27

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

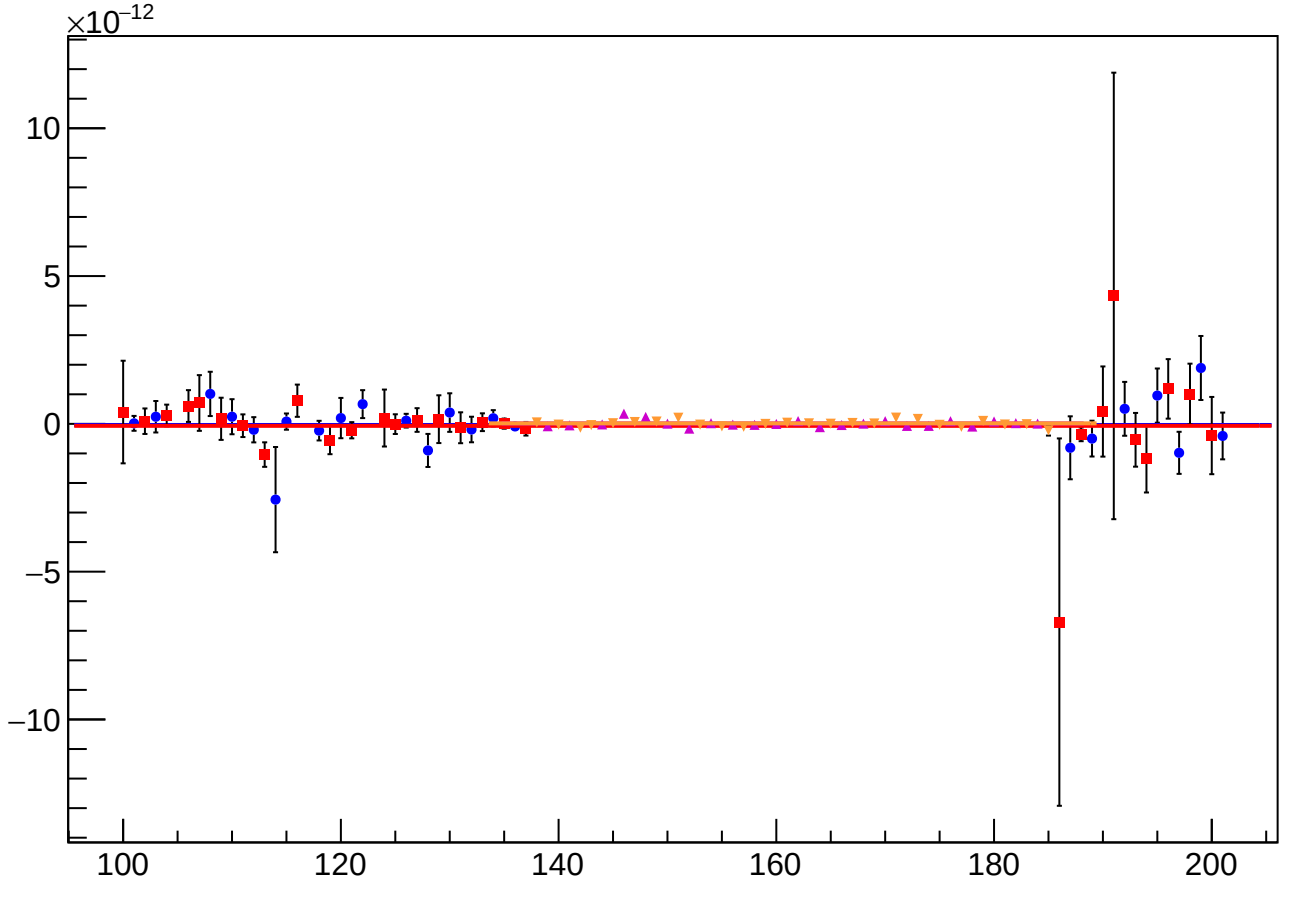
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4175.666+/-0.613 χ^2/NDF: 5438238.8/50

In: 2278.430+/-0.312 χ^2/NDF:7827434.0/45

Out: 2277.062+/-0.305 χ^2/NDF:9907373.5/52

All: 2277.729+/-0.218 χ^2/NDF: 17734817.3/9



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: 20.7/27

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

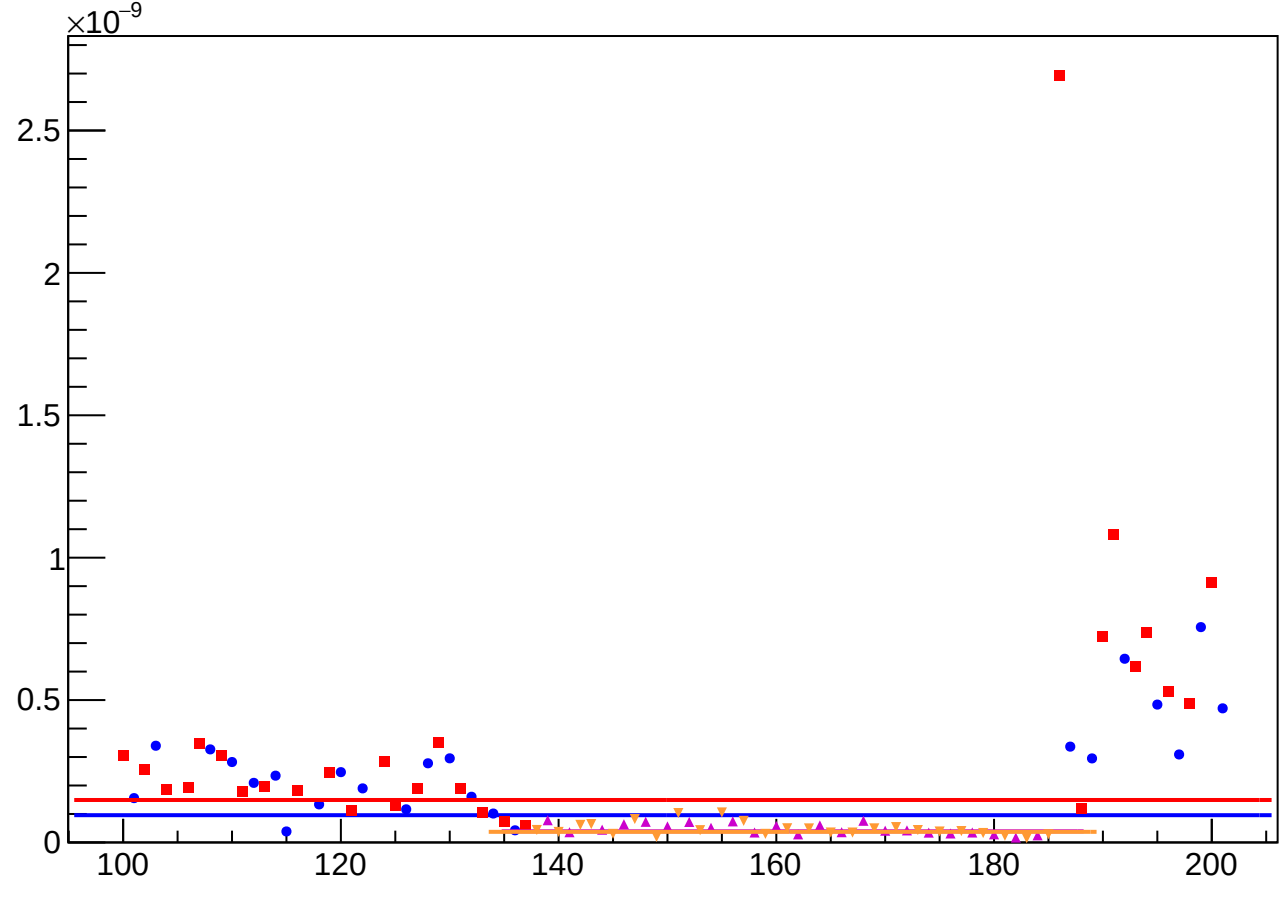
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 40.5/50

In: 0.000+/-0.000 χ^2/NDF:51.1/45

Out: 0.000+/-0.000 χ^2/NDF:43.0/52

All: 0.000+/-0.000 χ^2/NDF: 94.2/98



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: 4393413.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

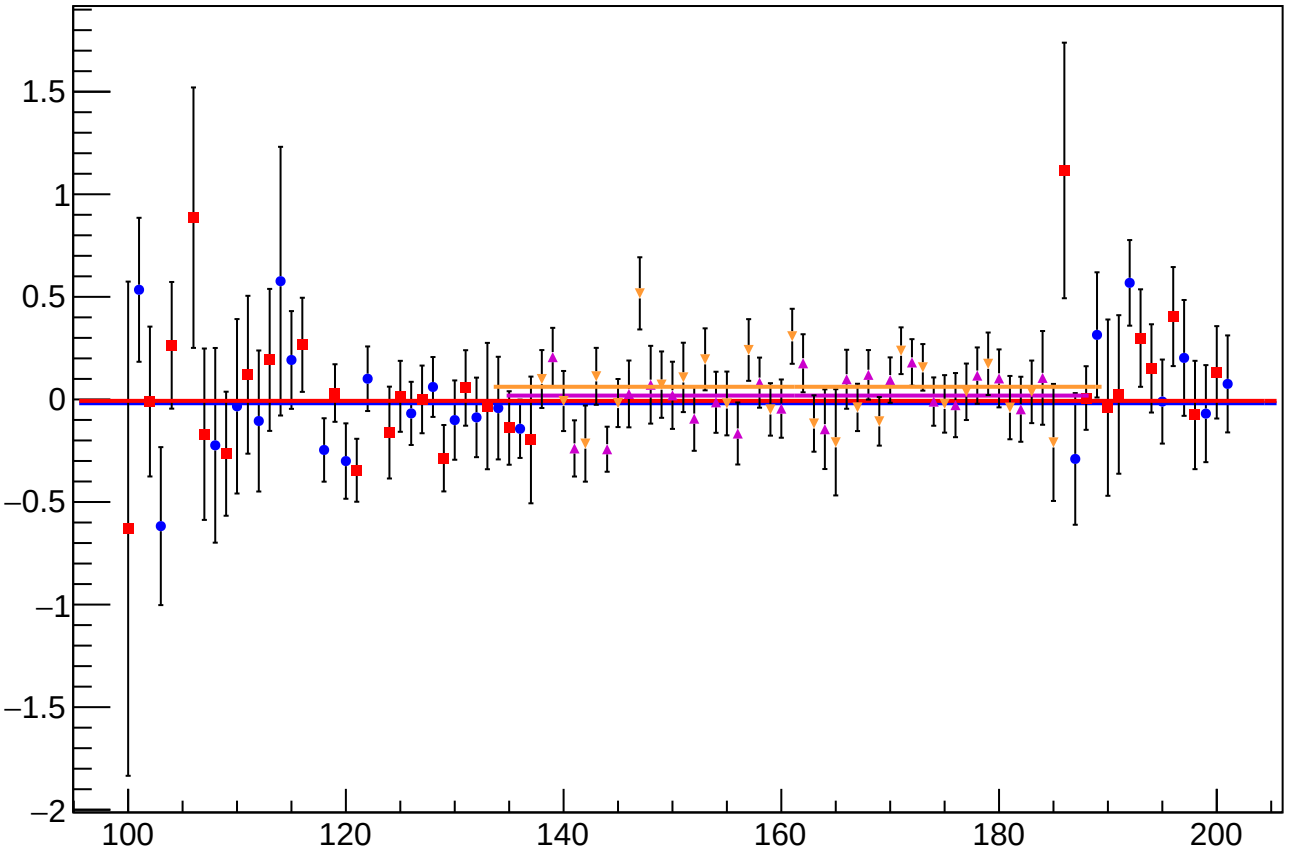
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10549872.9/50

In: 0.000+/-0.000 χ^2/NDF:9173884.5/45

Out: 0.000+/-0.000 χ^2/NDF:10629067.1/52

All: 0.000+/-0.000 χ^2/NDF: 19815631.7/98



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: -0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

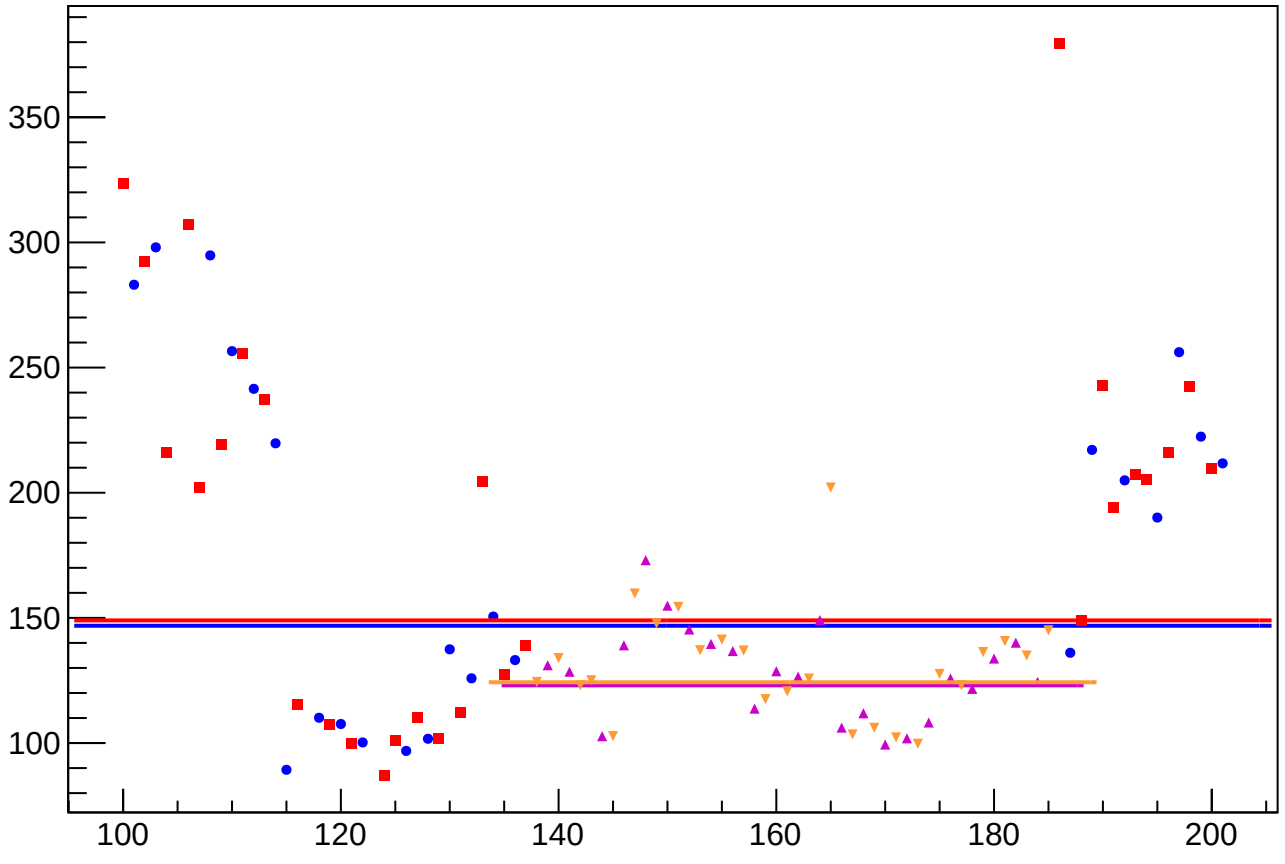
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.013+/-0.031 χ^2/NDF: 48.1/50

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/98



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: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

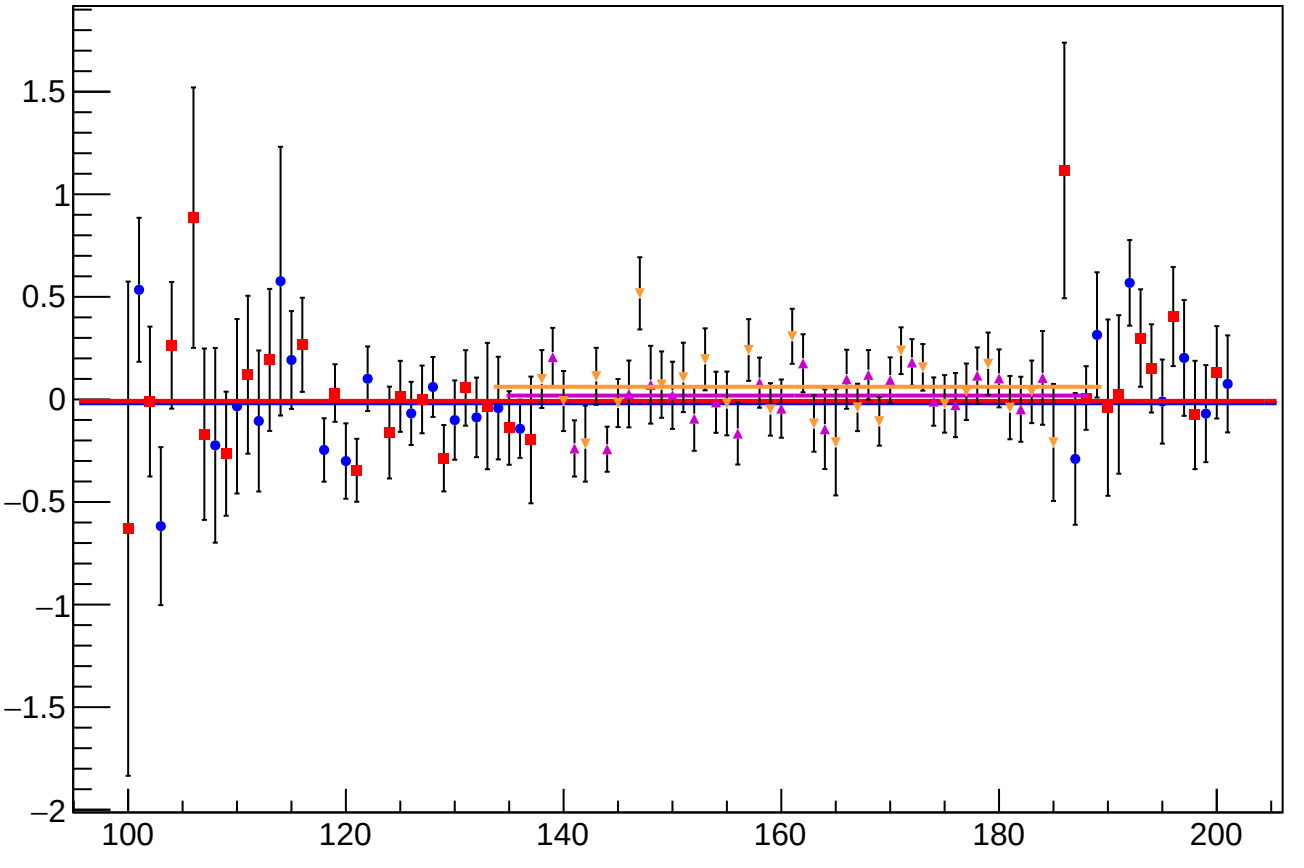
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 147.967+/-0.022 χ^2/NDF: 6451502.1/50

In: 130.106+/-0.017 χ^2/NDF:4175190.0/45

Out: 131.716+/-0.017 χ^2/NDF:4669591.8/52

All: 130.932+/-0.012 χ^2/NDF: 8849173.2/98



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: -0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

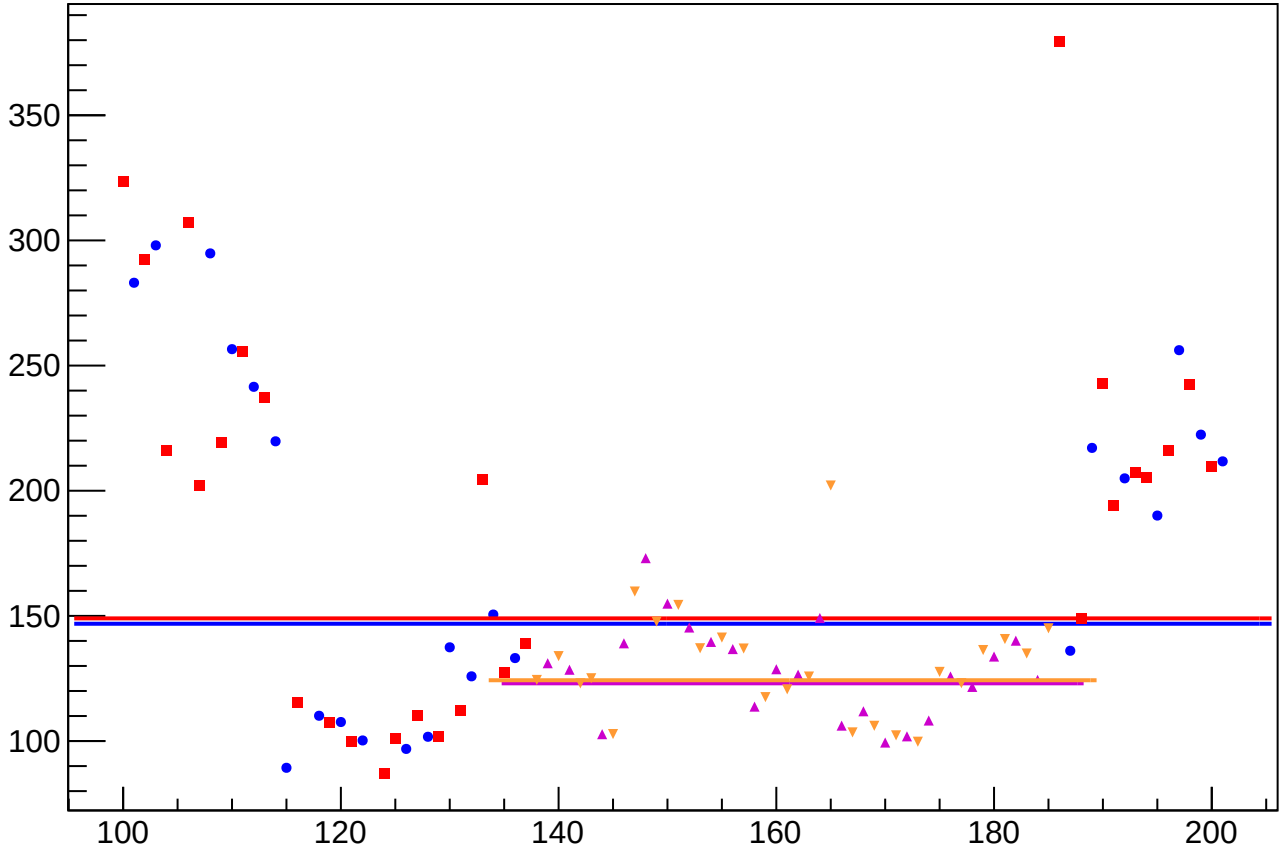
Right: -0.013+/-0.031 χ^2/NDF: 48.1/50

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/98

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

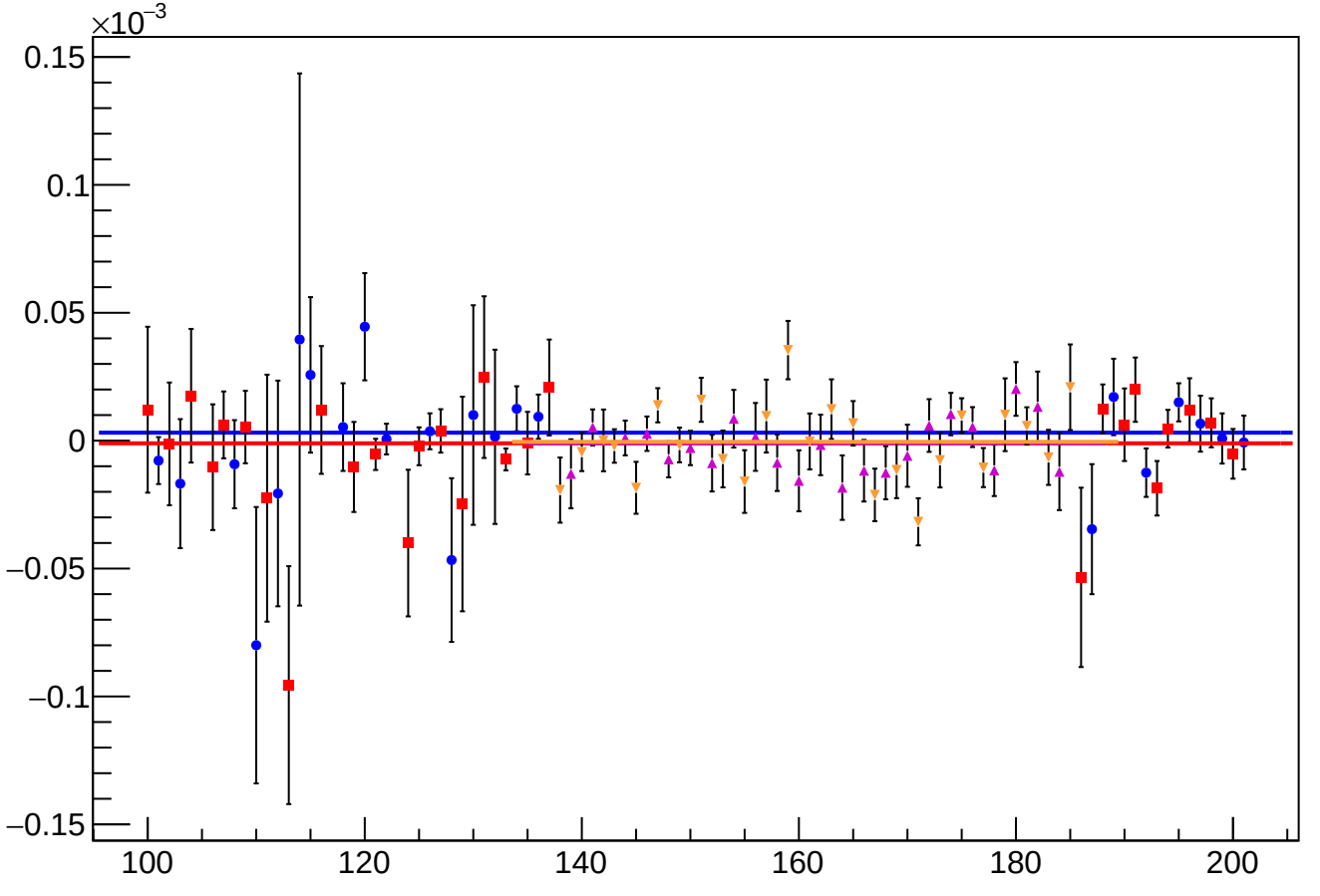
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 147.967+/-0.022 χ^2/NDF: 6451502.1/50

In: 130.106+/-0.017 χ^2/NDF:4175190.0/45

Out: 131.716+/-0.017 χ^2/NDF:4669591.8/52

All: 130.932+/-0.012 χ^2/NDF: 8849173.2/98



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: 26.0/27

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

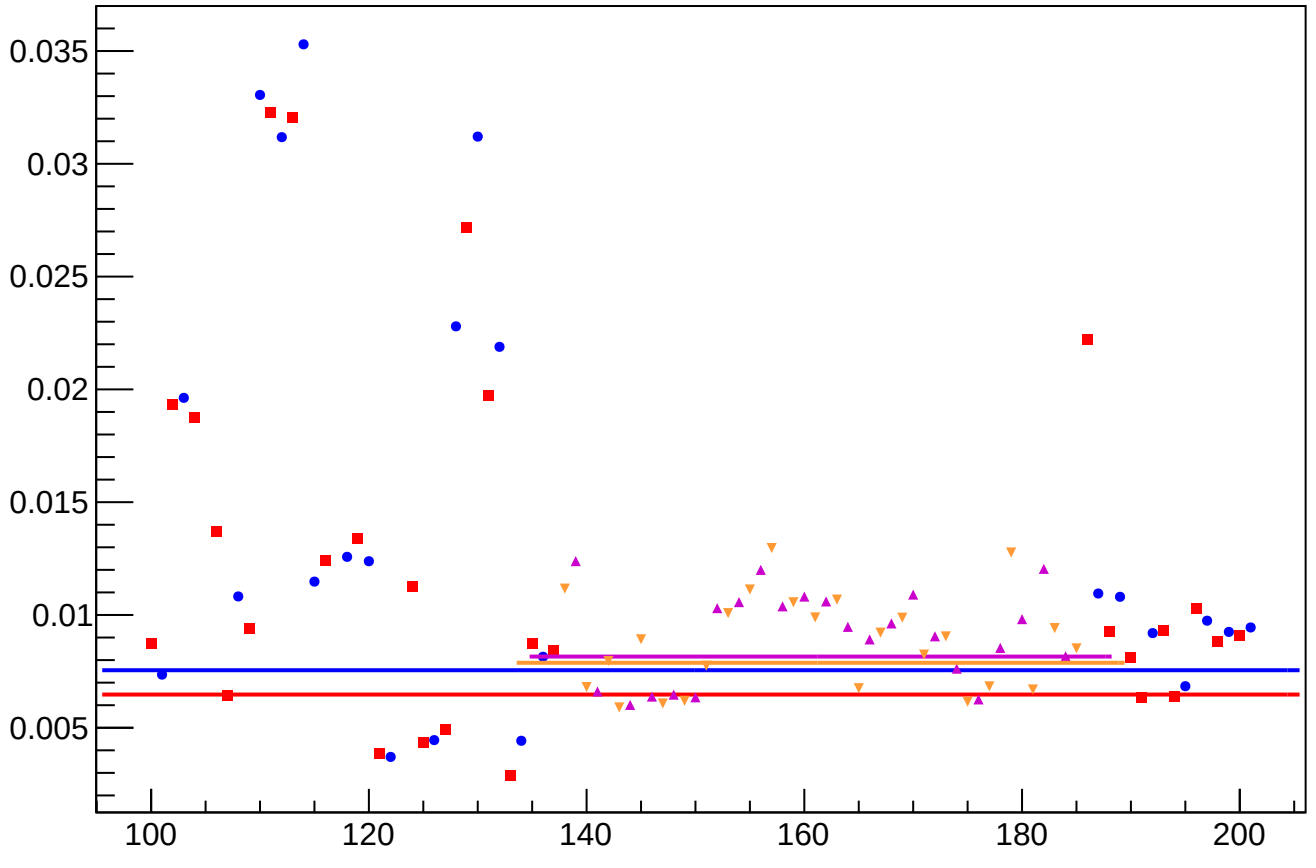
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.3/50

In: 0.000+/-0.000 χ^2/NDF:44.4/45

Out: -0.000+/-0.000 χ^2/NDF:78.5/52

All: -0.000+/-0.000 χ^2/NDF: 123.3/98



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: 0.006+/-0.000 χ^2/NDF: 7086897.6/27

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

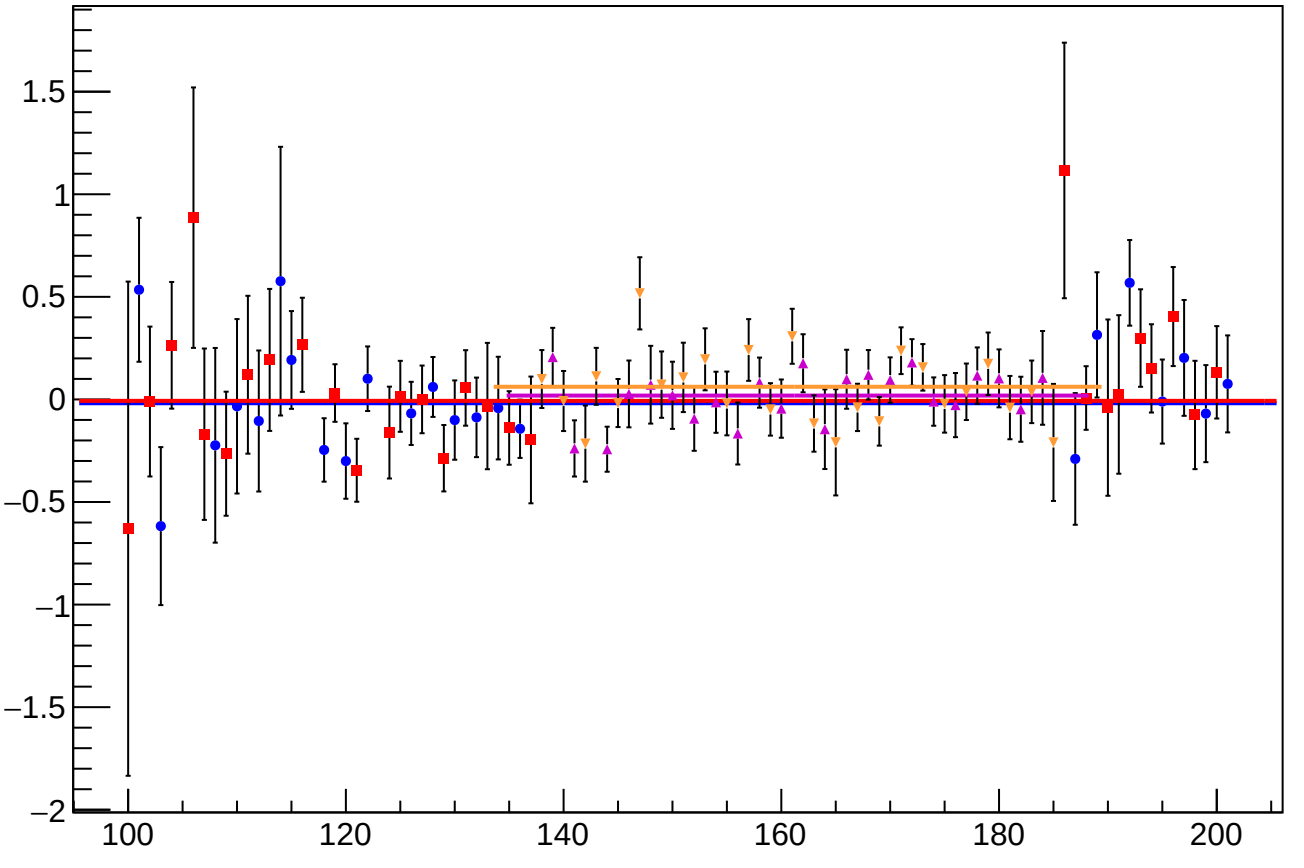
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12617068.9/50

In: 0.008+/-0.000 χ^2/NDF:7399254.9/45

Out: 0.007+/-0.000 χ^2/NDF:9669234.8/52

All: 0.008+/-0.000 χ^2/NDF: 17266810.4/98



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: -0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

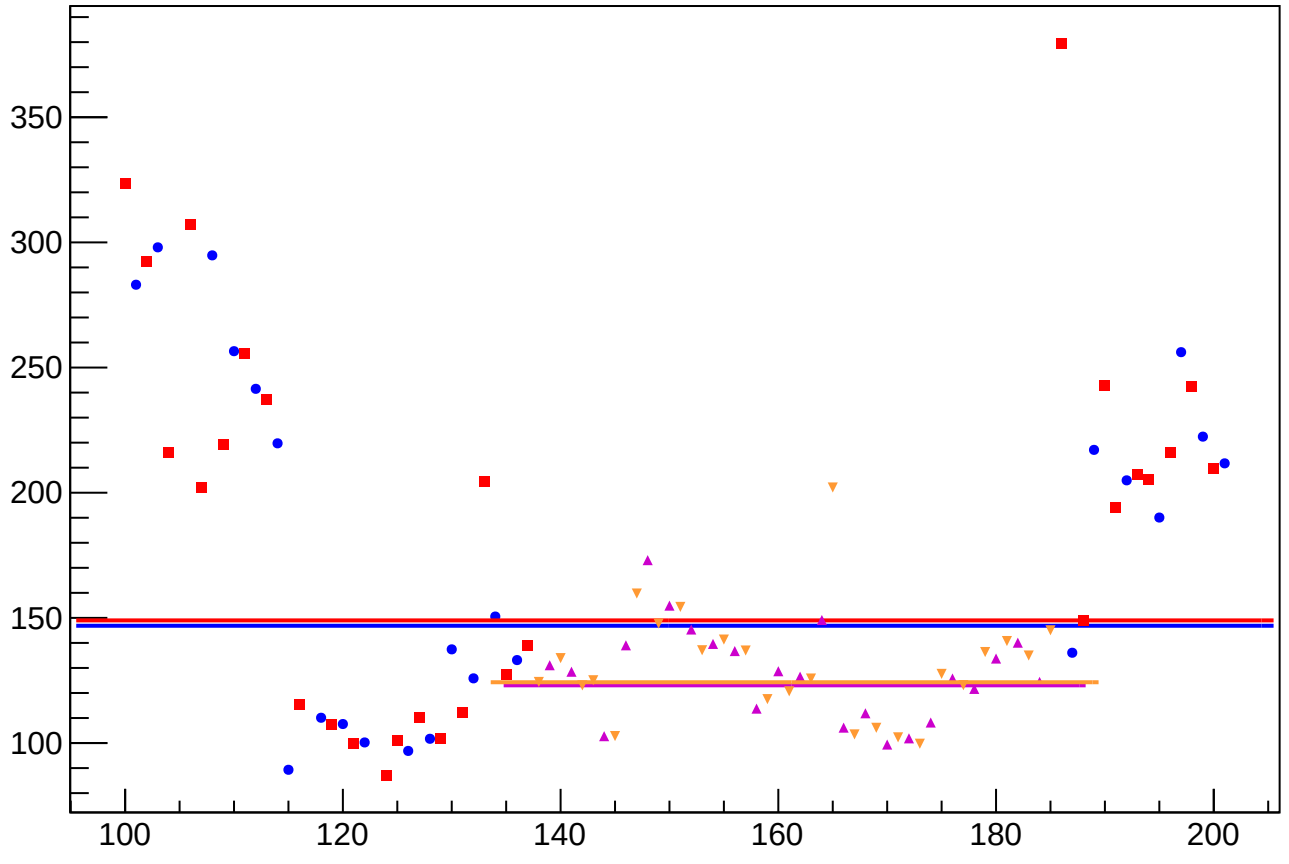
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.013+/-0.031 χ^2/NDF: 48.1/50

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/98



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: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

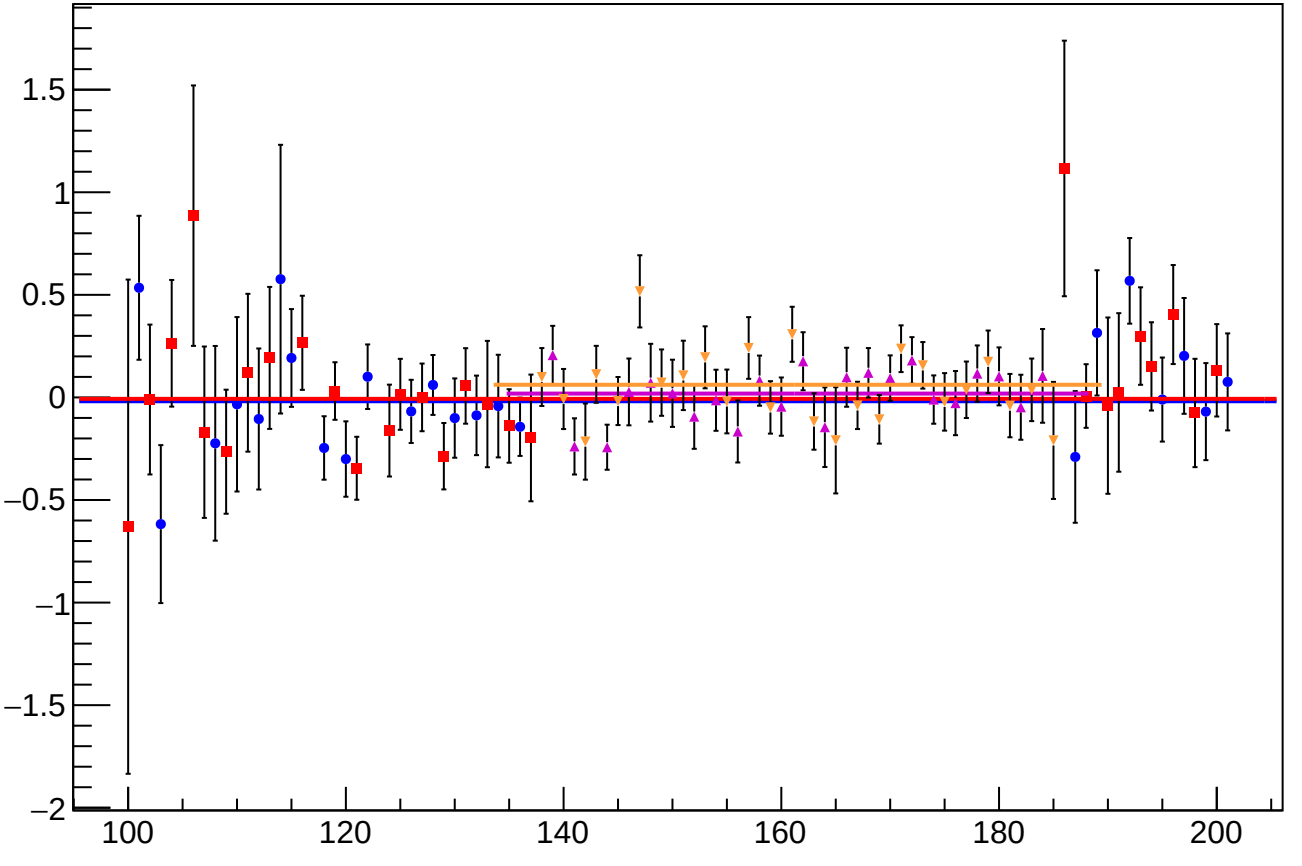
Right: 147.964+/-0.022 χ^2/NDF: 6451632.8/50

In: 130.105+/-0.017 χ^2/NDF:4175178.0/45

Out: 131.716+/-0.017 χ^2/NDF:4669646.0/52

All: 130.931+/-0.012 χ^2/NDF: 8849216.1/98

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: -0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

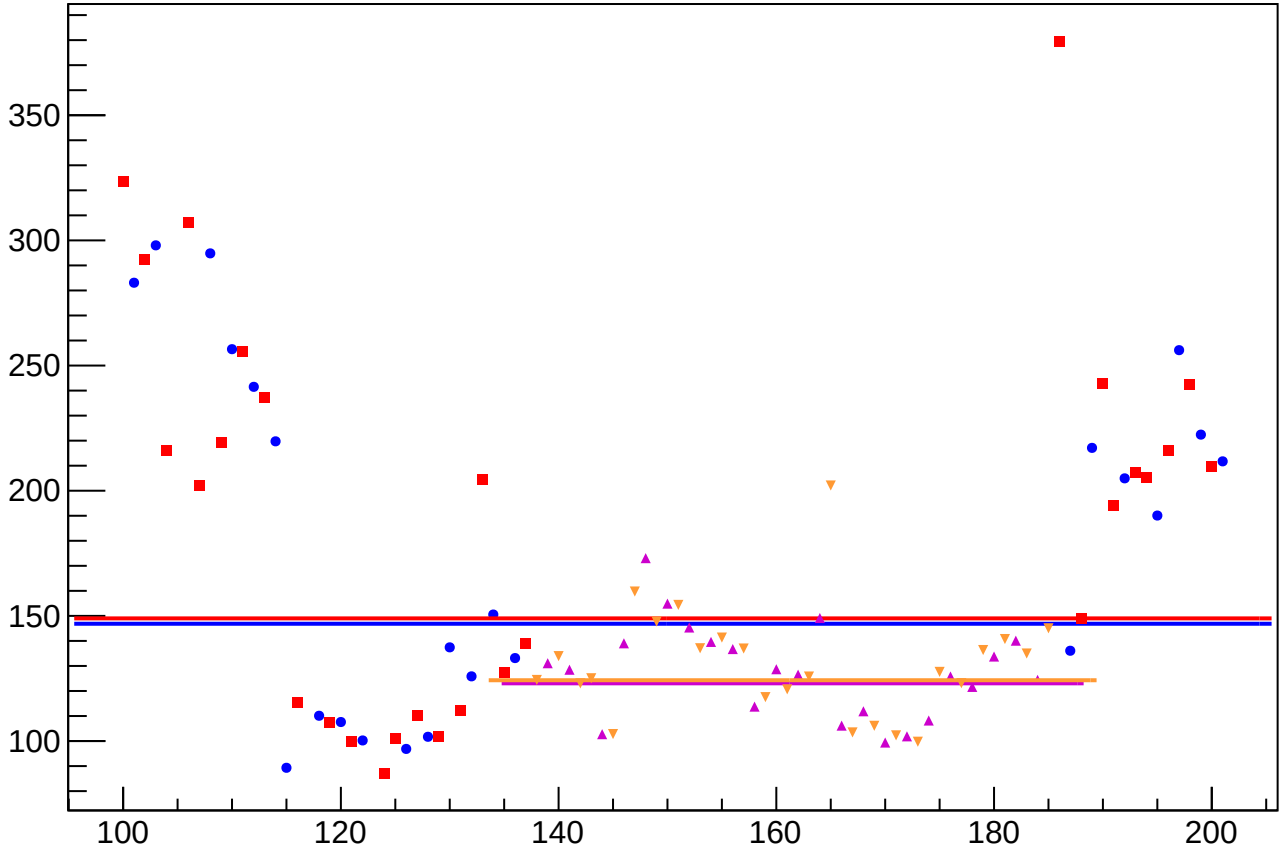
Right: -0.013+/-0.031 χ^2/NDF: 48.1/50

In: 0.008+/-0.025 χ^2/NDF:44.8/45

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/98

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

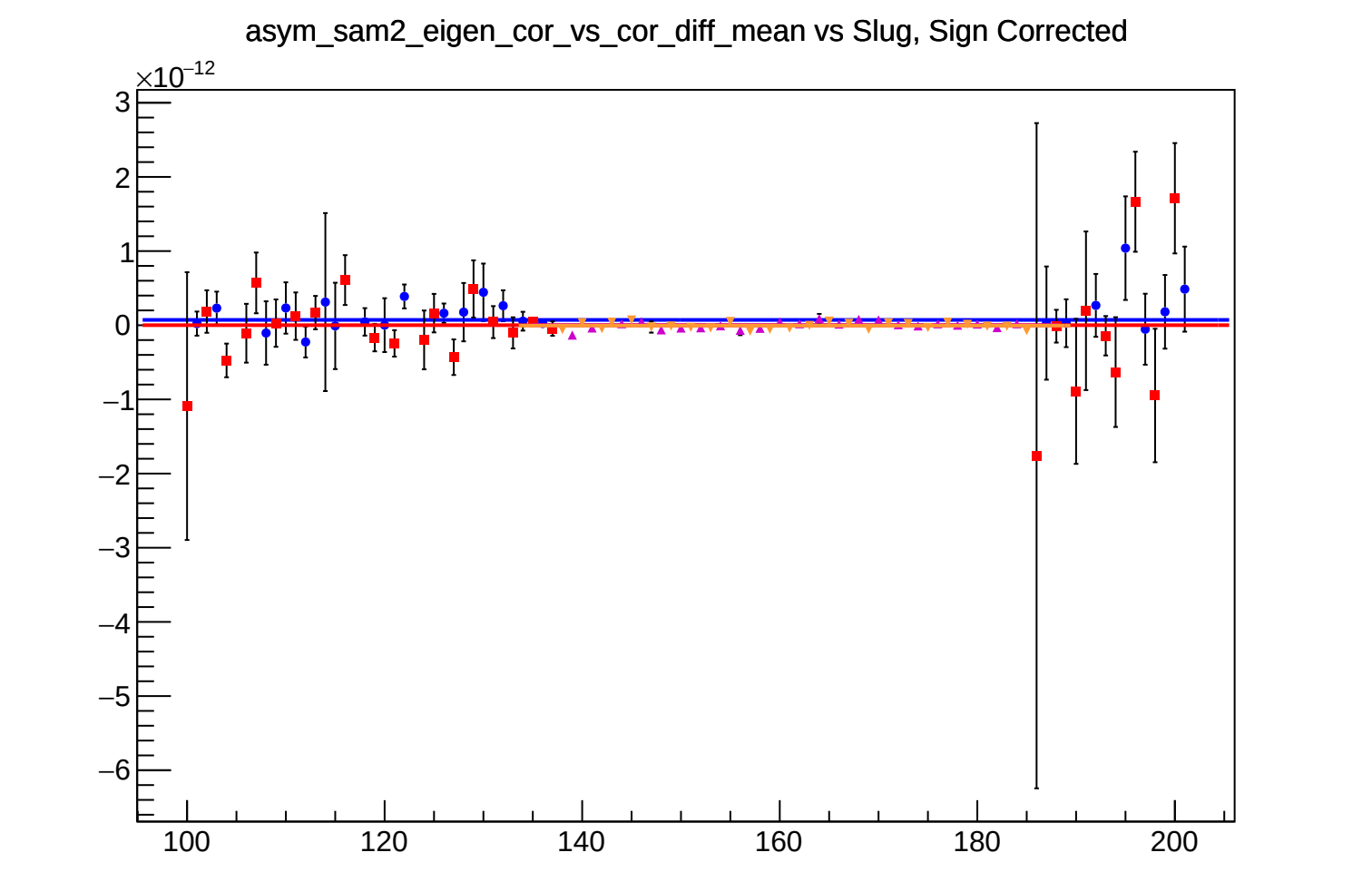
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 147.964+/-0.022 χ^2/NDF: 6451632.8/50

In: 130.105+/-0.017 χ^2/NDF:4175178.0/45

Out: 131.716+/-0.017 χ^2/NDF:4669646.0/52

All: 130.931+/-0.012 χ^2/NDF: 8849216.1/98



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/27

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

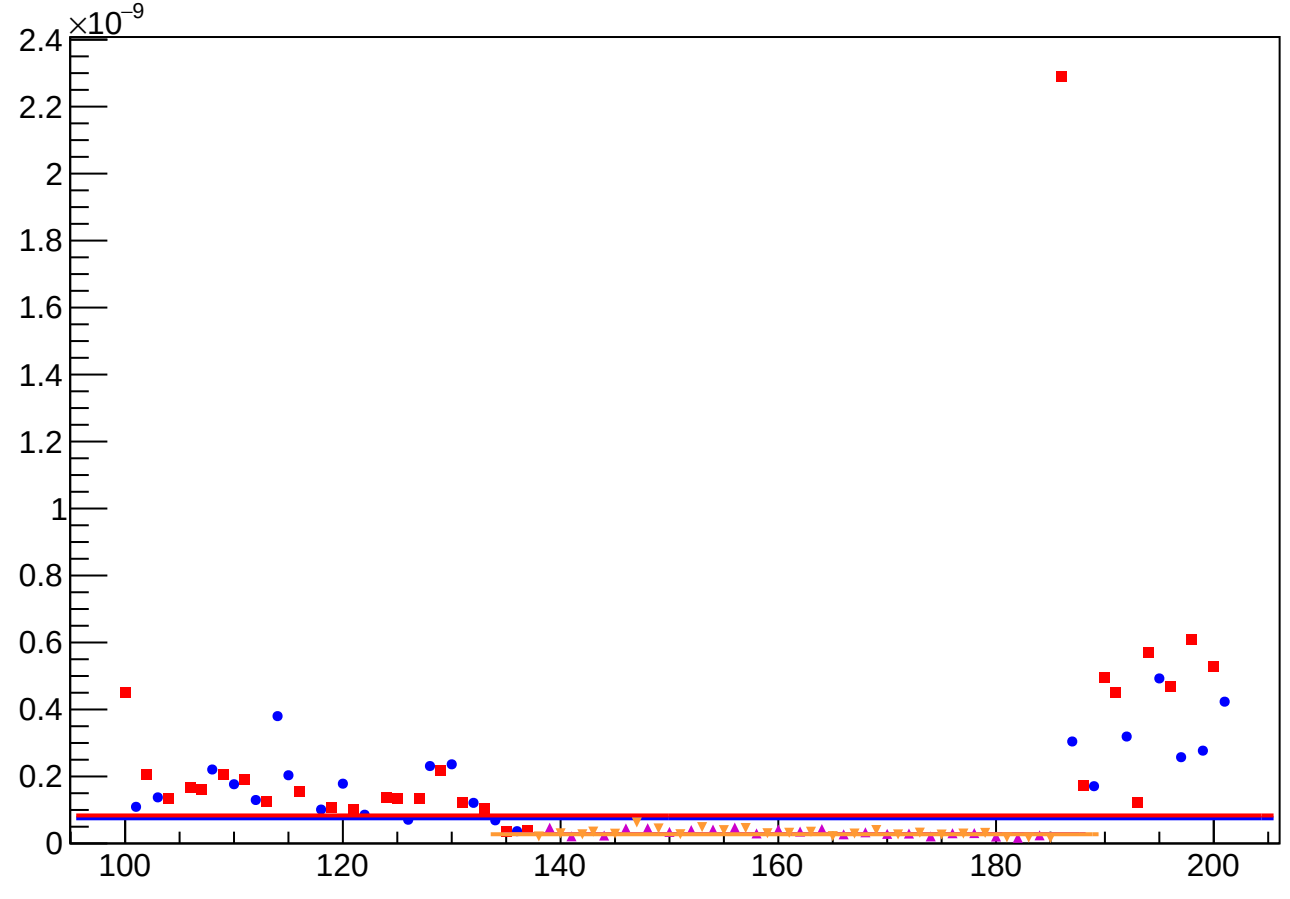
Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 50.2/50

In: 0.000+/-0.000 χ^2/NDF:41.7/45

Out: -0.000+/-0.000 χ^2/NDF:59.7/52

All: -0.000+/-0.000 χ^2/NDF: 102.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 6377266.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8138654.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

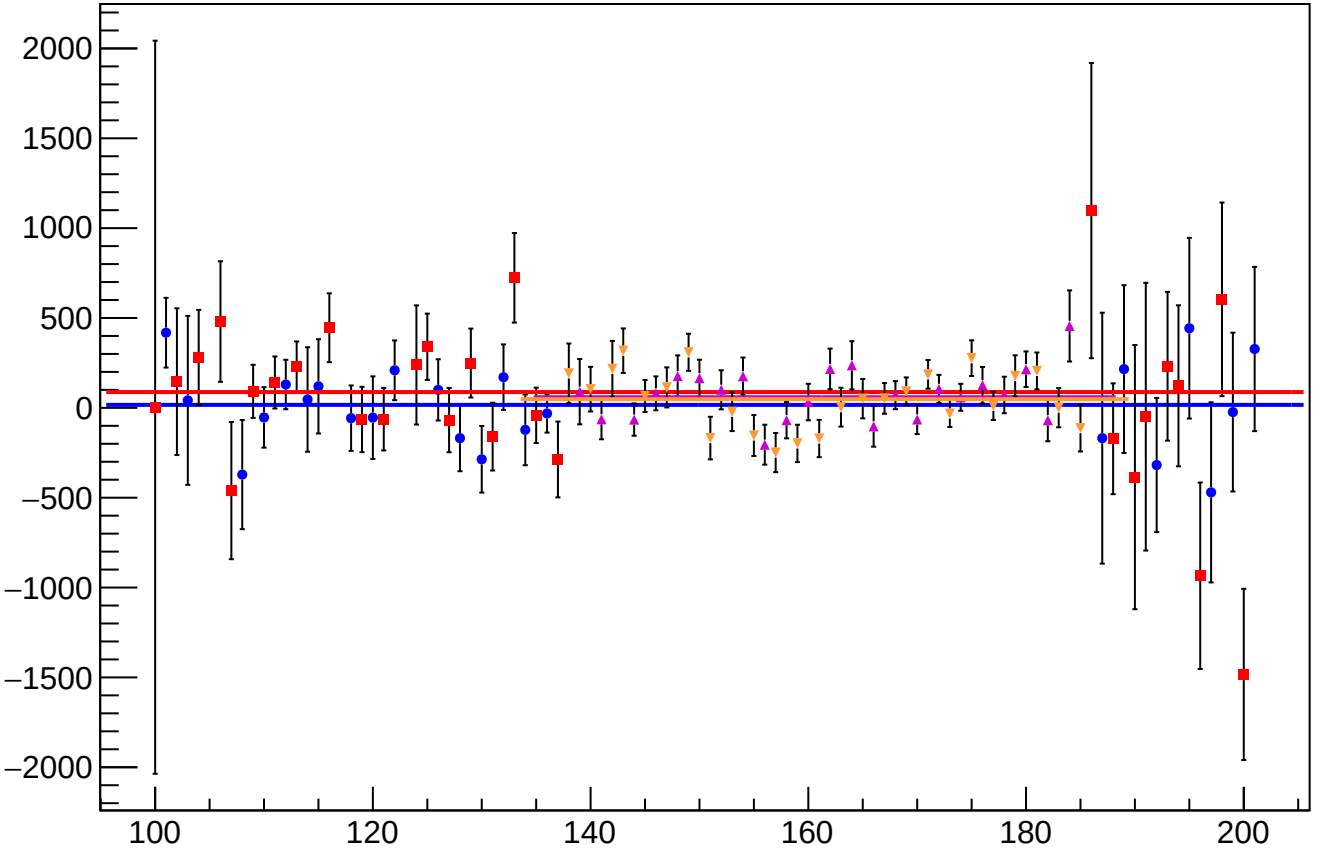
Right: 0.000+/-0.000 χ^2/NDF: 14569453.0/50

In: 0.000+/-0.000 χ^2/NDF:11884264.8/45

Out: 0.000+/-0.000 χ^2/NDF:14692391.4/52

All: 0.000+/-0.000 χ^2/NDF: 26588206.5/98

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: 87.818+/-44.097 χ^2/NDF: 44.2/27

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

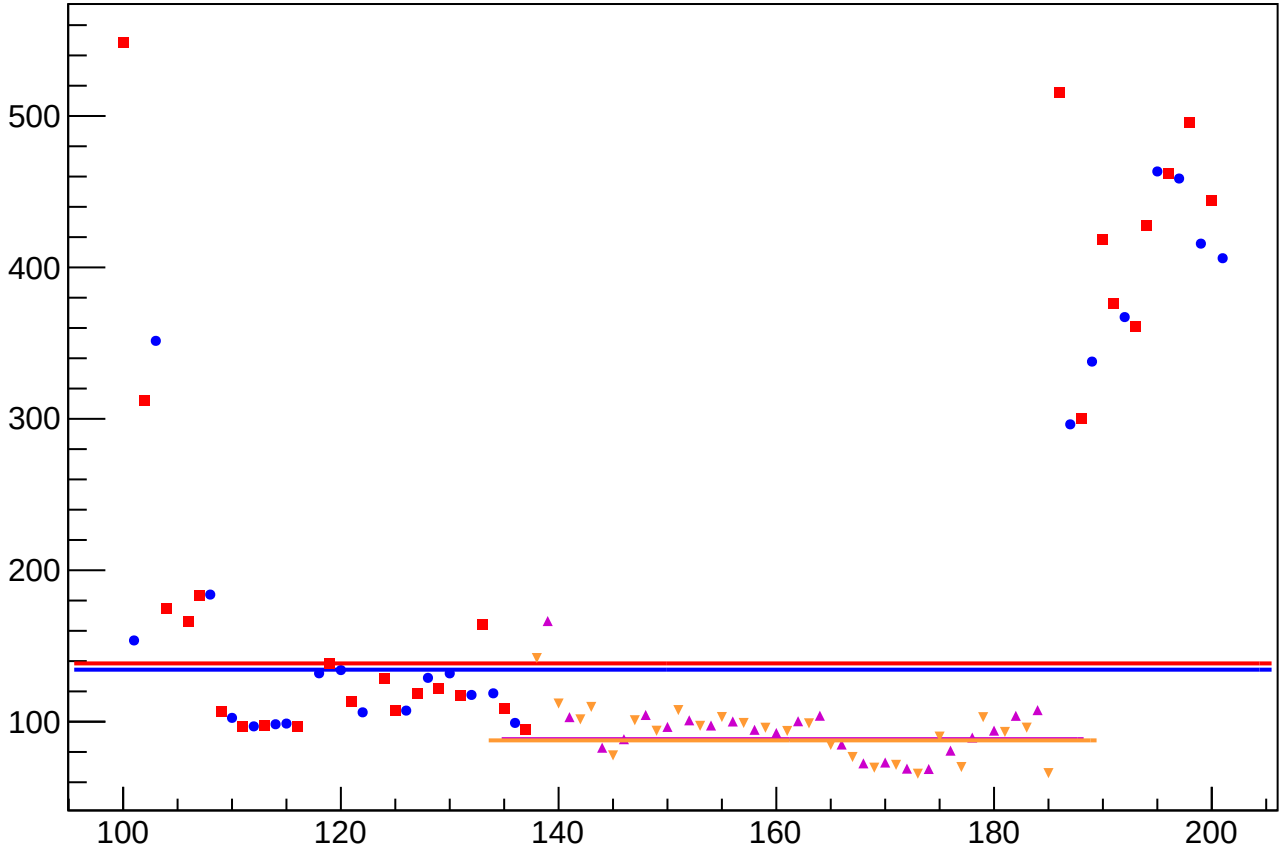
Right: 52.278+/-31.240 χ^2/NDF: 62.5/50

In: 51.102+/-19.088 χ^2/NDF:48.4/45

Out: 55.356+/-18.532 χ^2/NDF:98.4/52

All: 53.292+/-13.296 χ^2/NDF: 146.8/98

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: 138.483+/-0.031 χ^2/NDF: 6745325.0/27

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

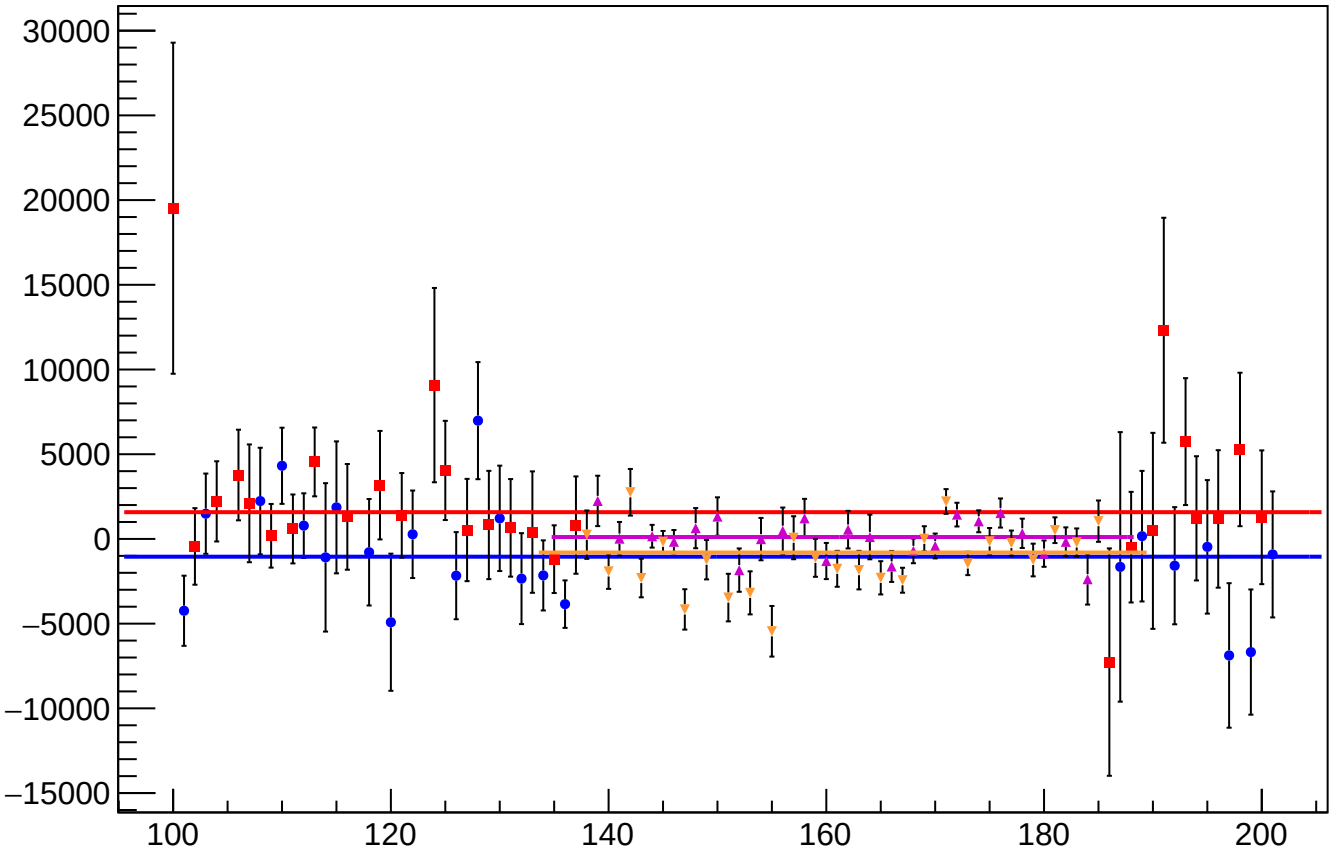
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 136.420+/-0.022 χ^2/NDF: 12376657.9/50

In: 97.011+/-0.013 χ^2/NDF:8445848.9/45

Out: 96.633+/-0.013 χ^2/NDF:10146409.5/52

All: 96.816+/-0.009 χ^2/NDF: 18592662.0/98



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: 1579.327+/-563.584 χ^2/NDF: 19.6/27

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

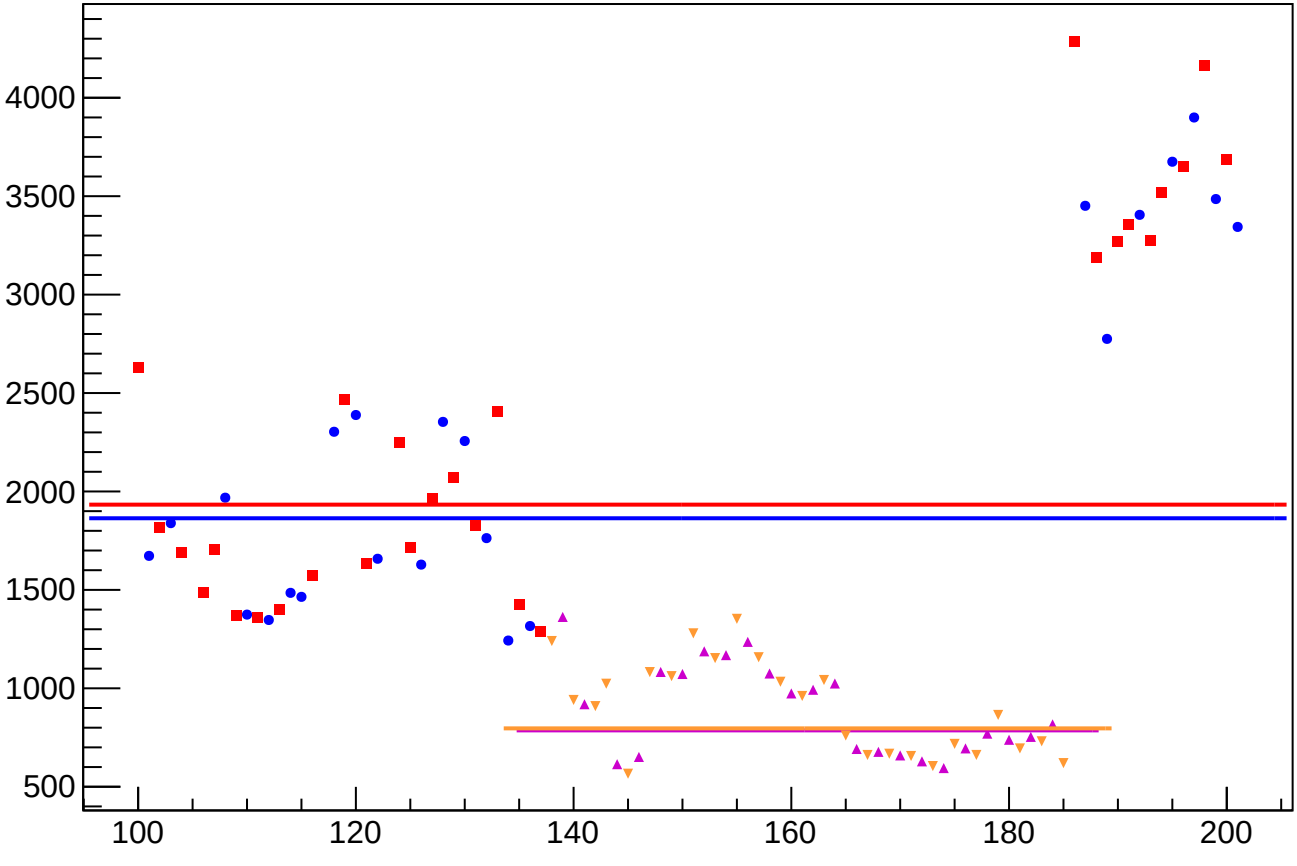
Right: 282.512+/-401.117 χ^2/NDF: 58.3/50

In: -3.562+/-180.512 χ^2/NDF:58.7/45

Out: -563.665+/-178.130 χ^2/NDF:107.6/52

All: -287.333+/-126.791 χ^2/NDF: 171.2/98

asym_sam3_reg_correction_rms vs Slug, Sign Corrected



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: 1933.055+/-0.399 χ^2/NDF: 3589349.1/27

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

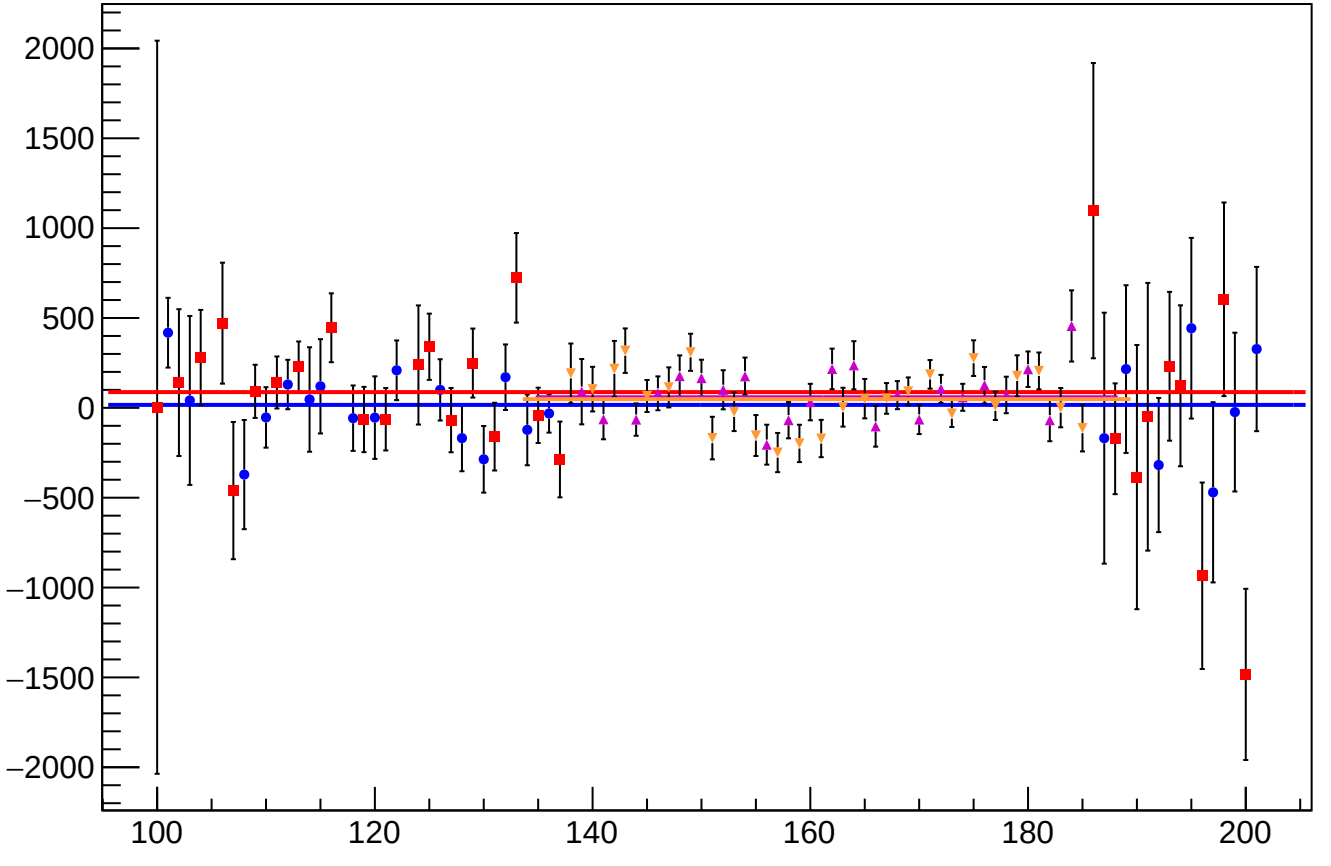
Right: 1898.917+/-0.284 χ^2/NDF: 6732340.2/50

In: 894.018+/-0.128 χ^2/NDF:11694859.2/45

Out: 910.061+/-0.126 χ^2/NDF:13328164.0/52

All: 902.146+/-0.090 χ^2/NDF: 25031026.9/98

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: 87.551+/-44.100 χ^2/NDF: 44.1/27

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

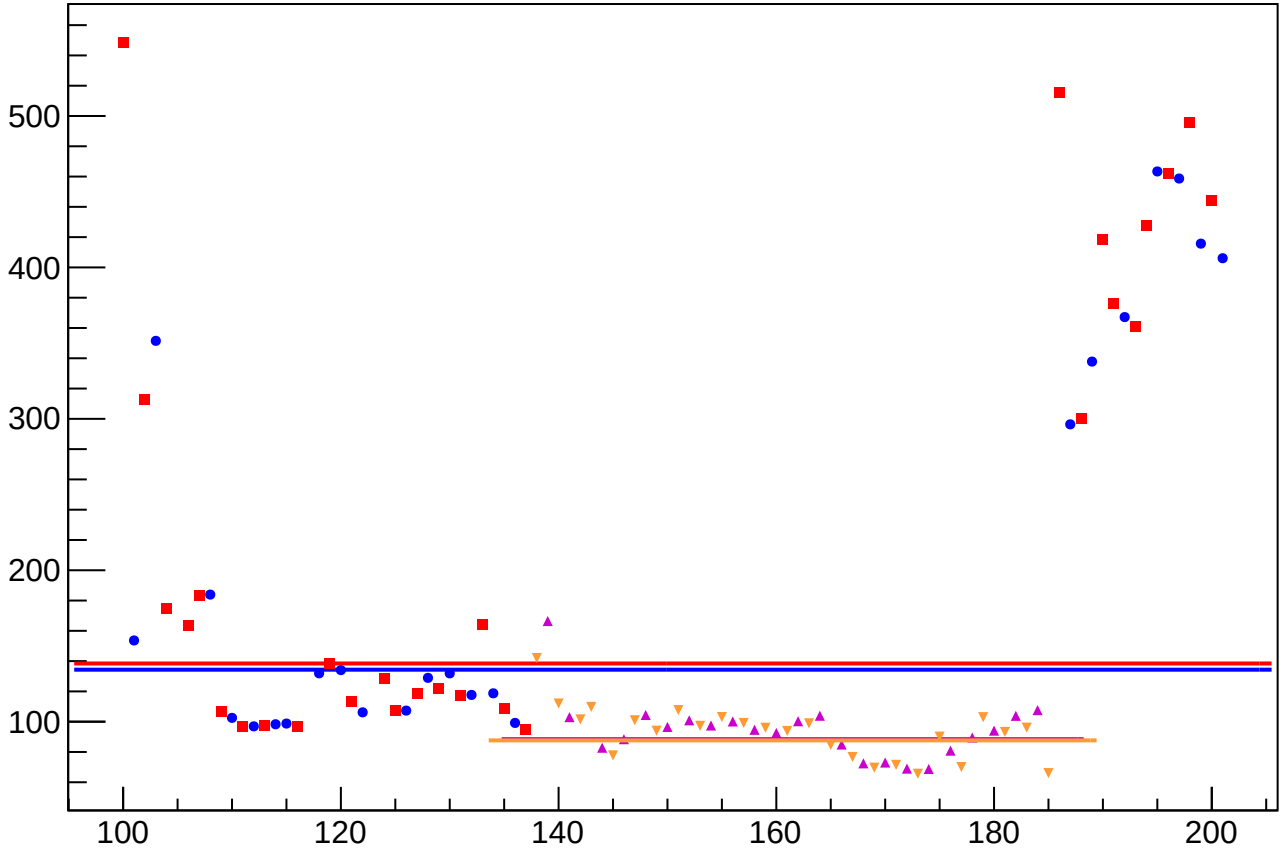
Right: 52.135+/-31.241 χ^2/NDF: 62.4/50

In: 51.101+/-19.088 χ^2/NDF:48.4/45

Out: 55.313+/-18.532 χ^2/NDF:98.3/52

All: 53.270+/-13.296 χ^2/NDF: 146.7/98

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: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

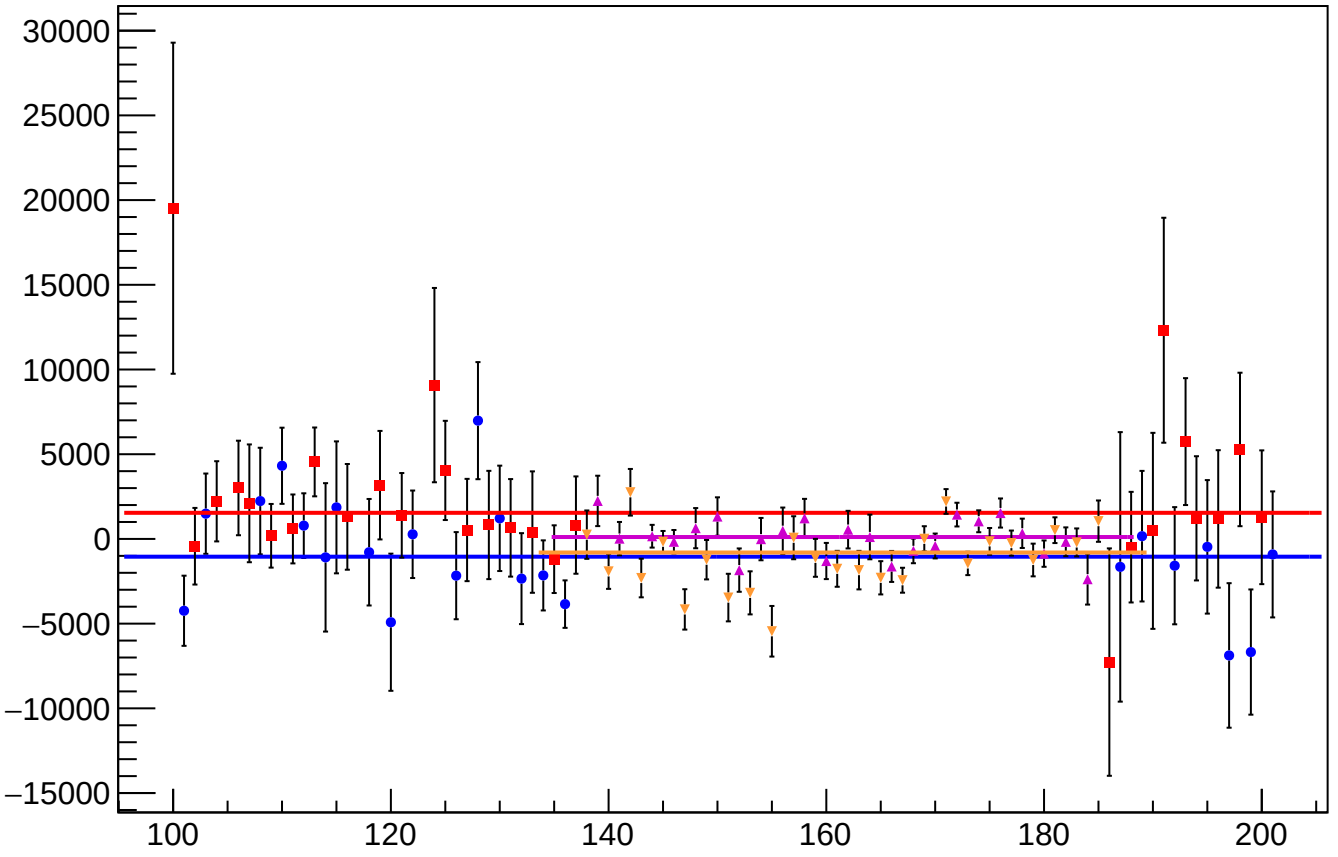
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 136.397+/-0.022 χ^2/NDF: 12374236.8/50

In: 97.011+/-0.013 χ^2/NDF:8445850.6/45

Out: 96.624+/-0.013 χ^2/NDF:10140046.7/52

All: 96.811+/-0.009 χ^2/NDF: 18586320.2/98



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: 1541.253+/-564.629 χ^2/NDF: 19.2/27

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

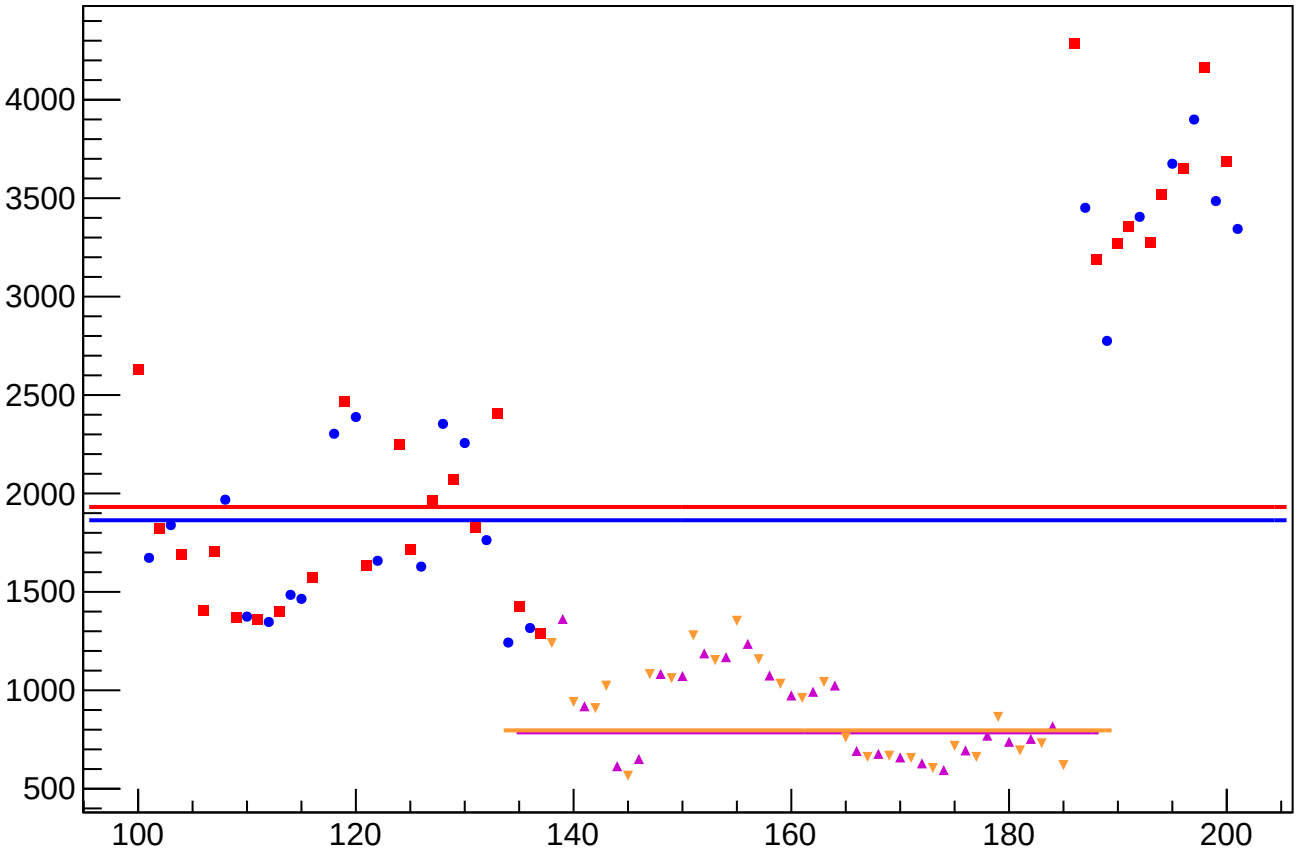
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 260.841+/-401.494 χ^2/NDF: 57.6/50

In: -3.558+/-180.512 χ^2/NDF:58.7/45

Out: -568.241+/-178.163 χ^2/NDF:106.6/52

All: -289.598+/-126.803 χ^2/NDF: 170.3/98



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: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

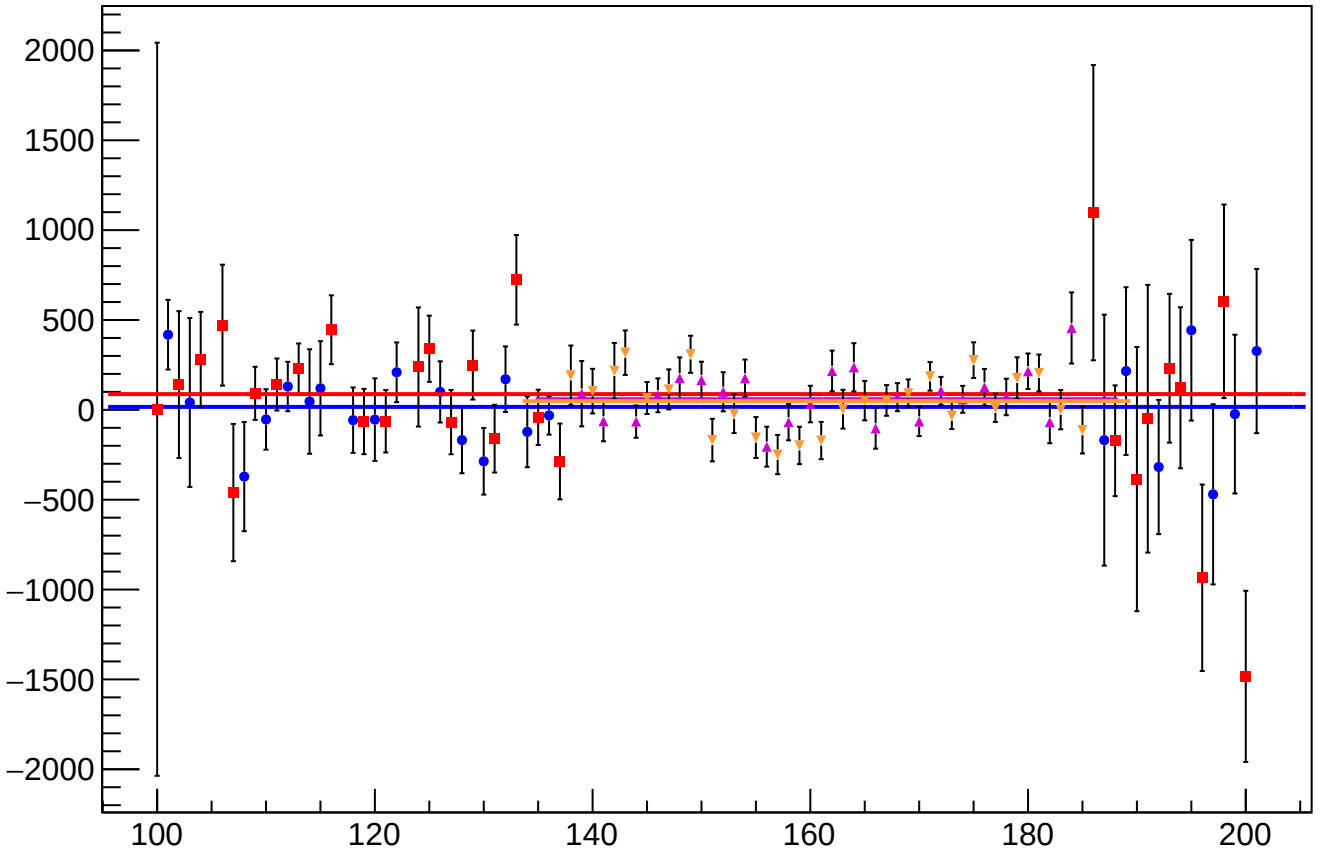
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1898.046+/-0.284 χ^2/NDF: 6747227.7/50

In: 894.018+/-0.128 χ^2/NDF:11694916.7/45

Out: 909.523+/-0.126 χ^2/NDF:13298761.1/52

All: 901.872+/-0.090 χ^2/NDF: 25001152.1/98



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: 87.551+/-44.100 χ^2/NDF: 44.1/27

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

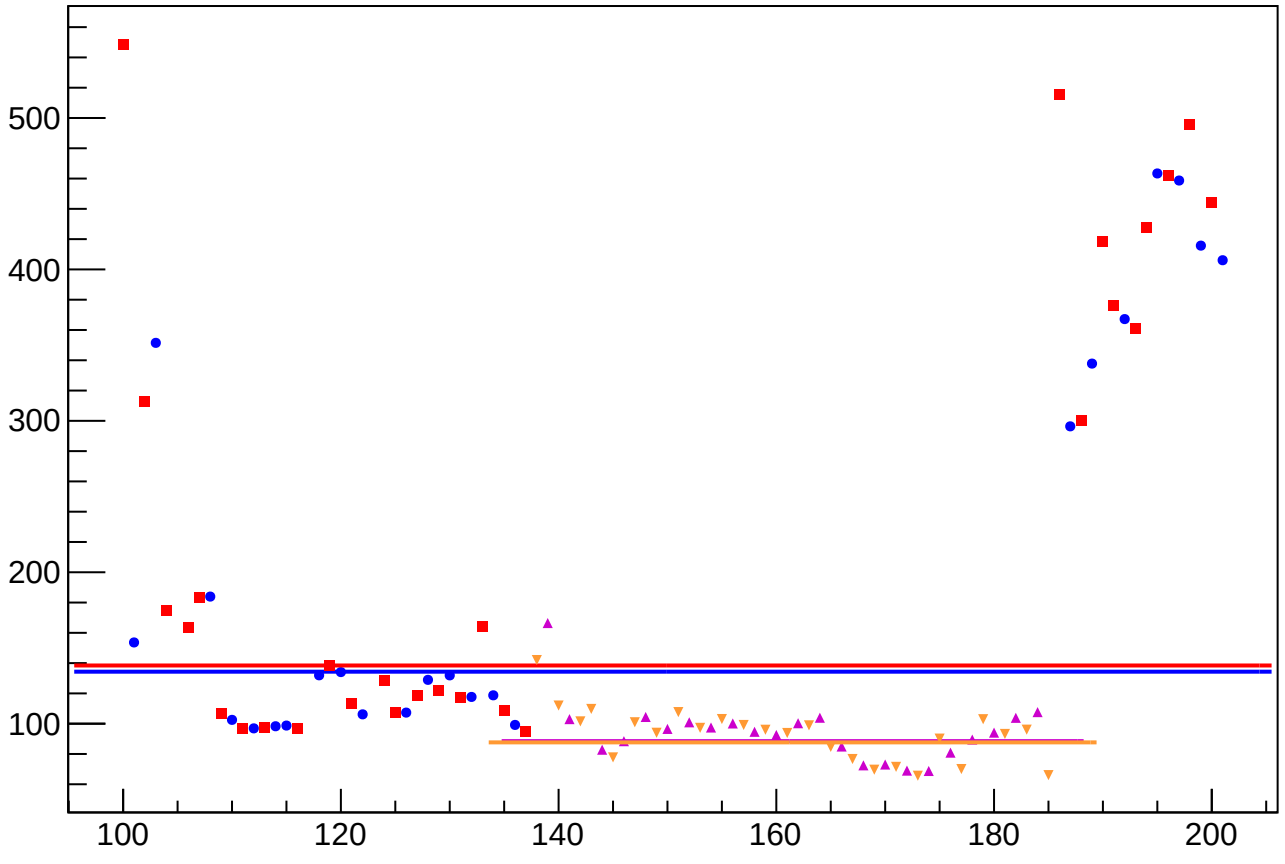
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 52.135+/-31.241 χ^2/NDF: 62.4/50

In: 51.101+/-19.088 χ^2/NDF:48.4/45

Out: 55.313+/-18.532 χ^2/NDF:98.3/52

All: 53.270+/-13.296 χ^2/NDF: 146.7/98



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: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

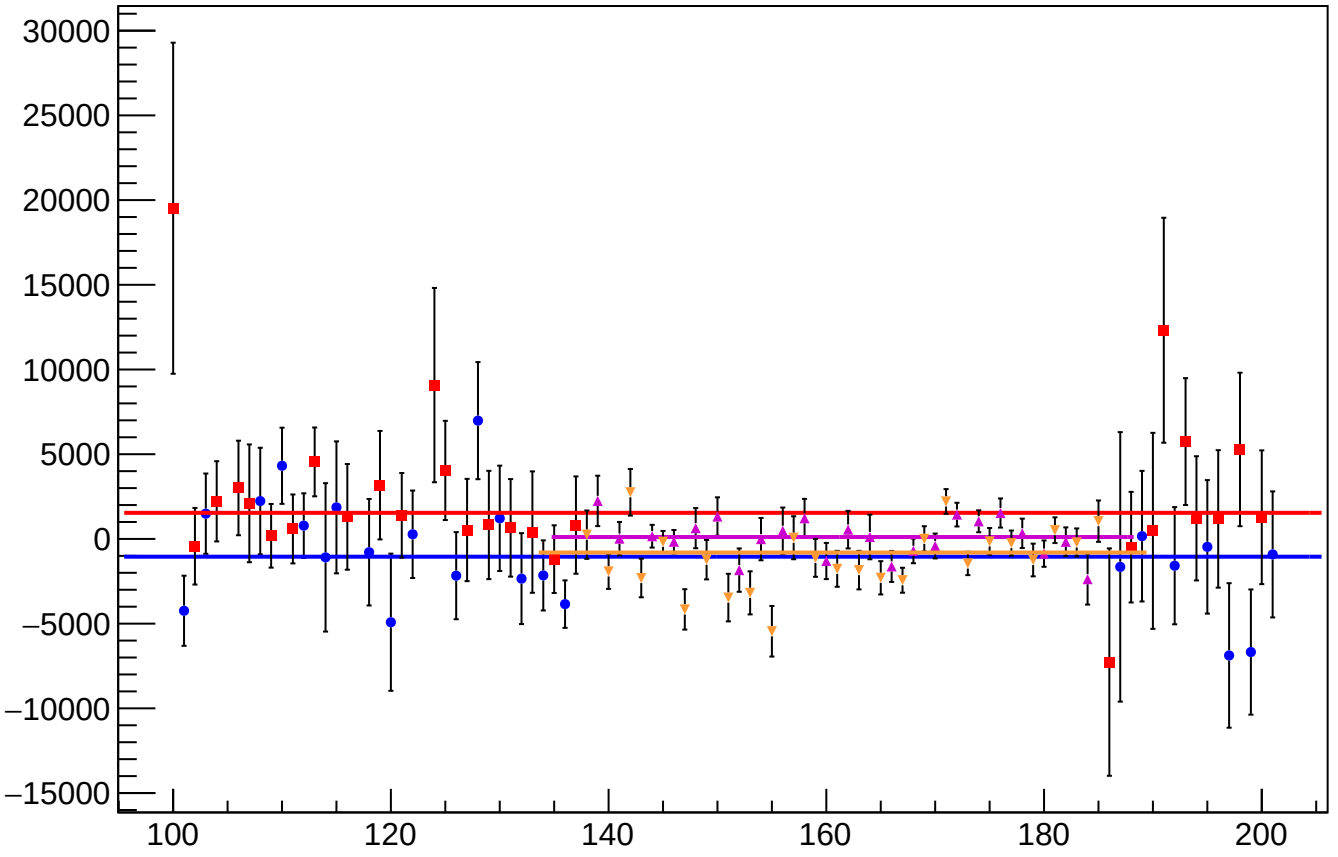
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 136.397+/-0.022 χ^2/NDF: 12374236.8/50

In: 97.011+/-0.013 χ^2/NDF:8445850.6/45

Out: 96.624+/-0.013 χ^2/NDF:10140046.7/52

All: 96.811+/-0.009 χ^2/NDF: 18586320.2/98



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: 1541.253+/-564.629 χ^2/NDF: 19.2/27

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

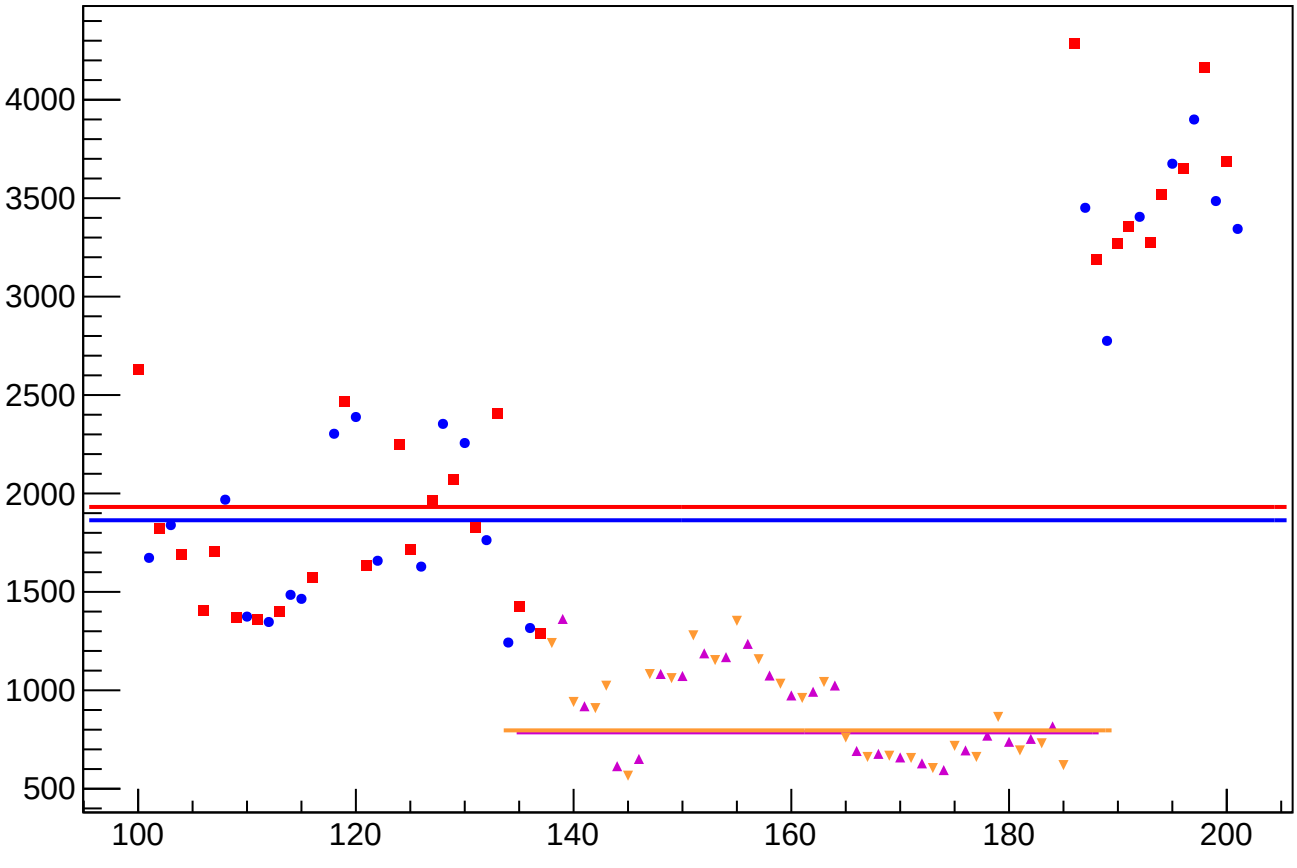
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 260.841+/-401.494 χ^2/NDF: 57.6/50

In: -3.558+/-180.512 χ^2/NDF:58.7/45

Out: -568.241+/-178.163 χ^2/NDF:106.6/52

All: -289.598+/-126.803 χ^2/NDF: 170.3/98



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: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

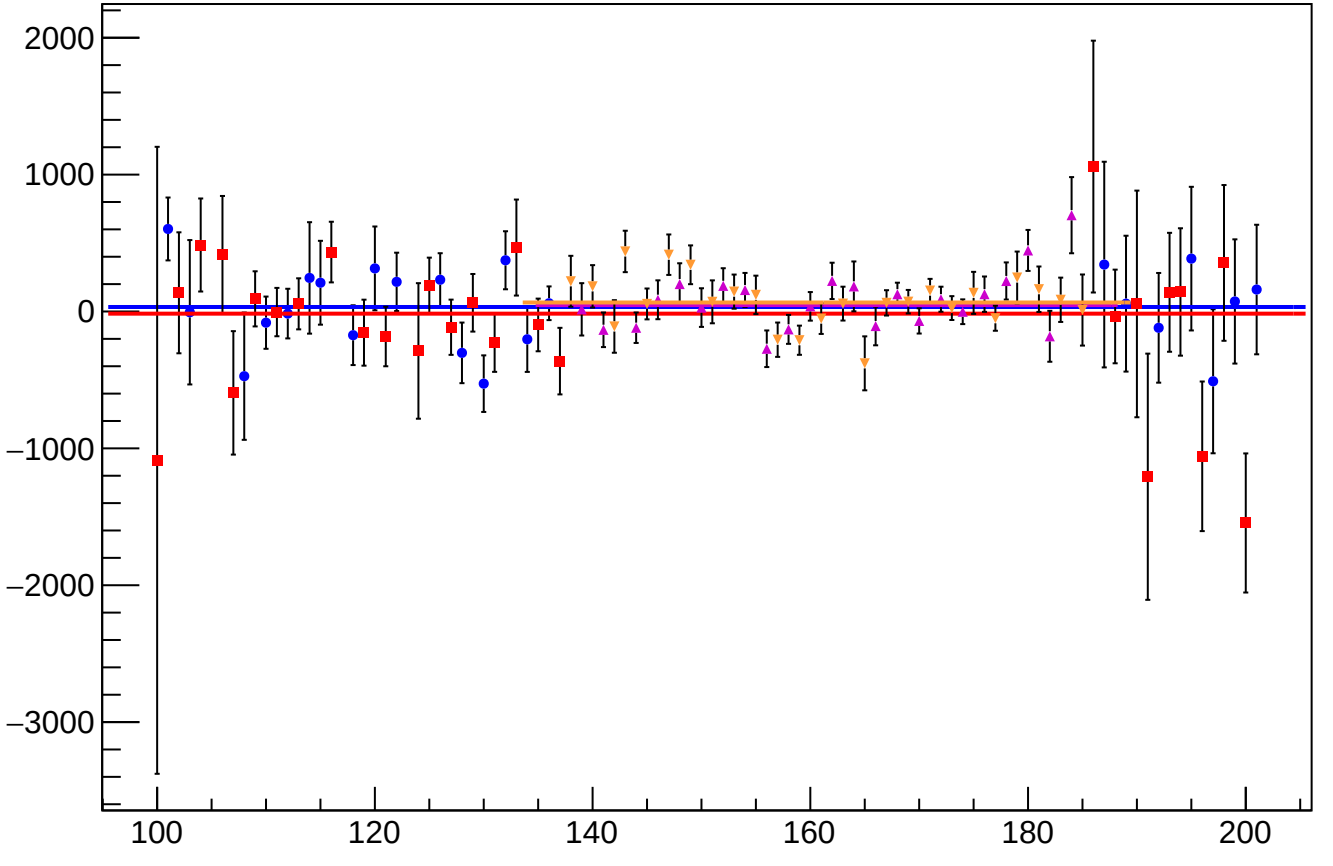
Right: 1898.046+/-0.284 χ^2/NDF: 6747227.7/50

In: 894.018+/-0.128 χ^2/NDF:11694916.7/45

Out: 909.523+/-0.126 χ^2/NDF:13298761.1/52

All: 901.872+/-0.090 χ^2/NDF: 25001152.1/98

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: -15.861+/-53.414 χ^2/NDF: 34.0/27

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

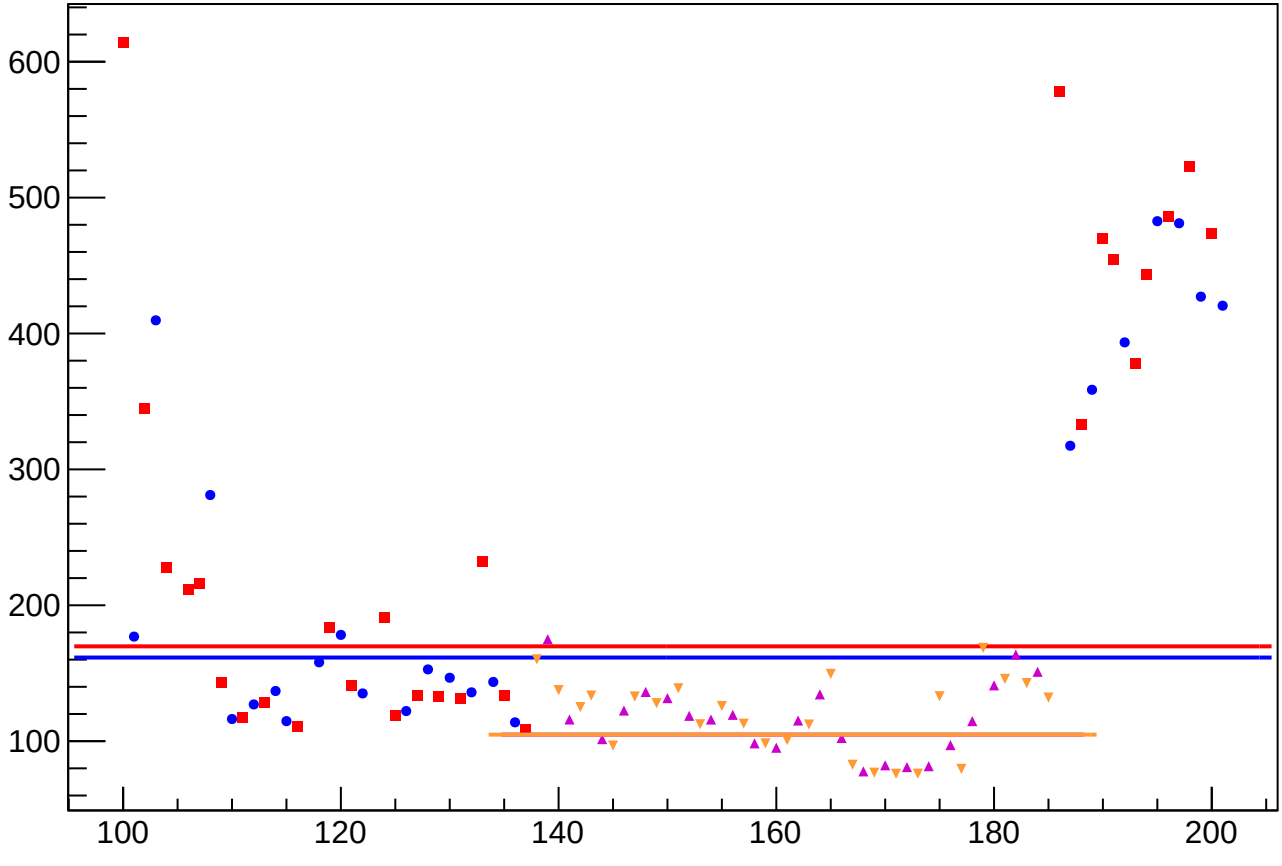
Right: 8.824+/-37.508 χ^2/NDF: 61.5/50

In: 44.309+/-23.095 χ^2/NDF:65.8/45

Out: 50.988+/-22.687 χ^2/NDF:75.9/52

All: 47.708+/-16.184 χ^2/NDF: 141.7/98

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: 169.781+/-0.038 χ^2/NDF: 6174864.8/27

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

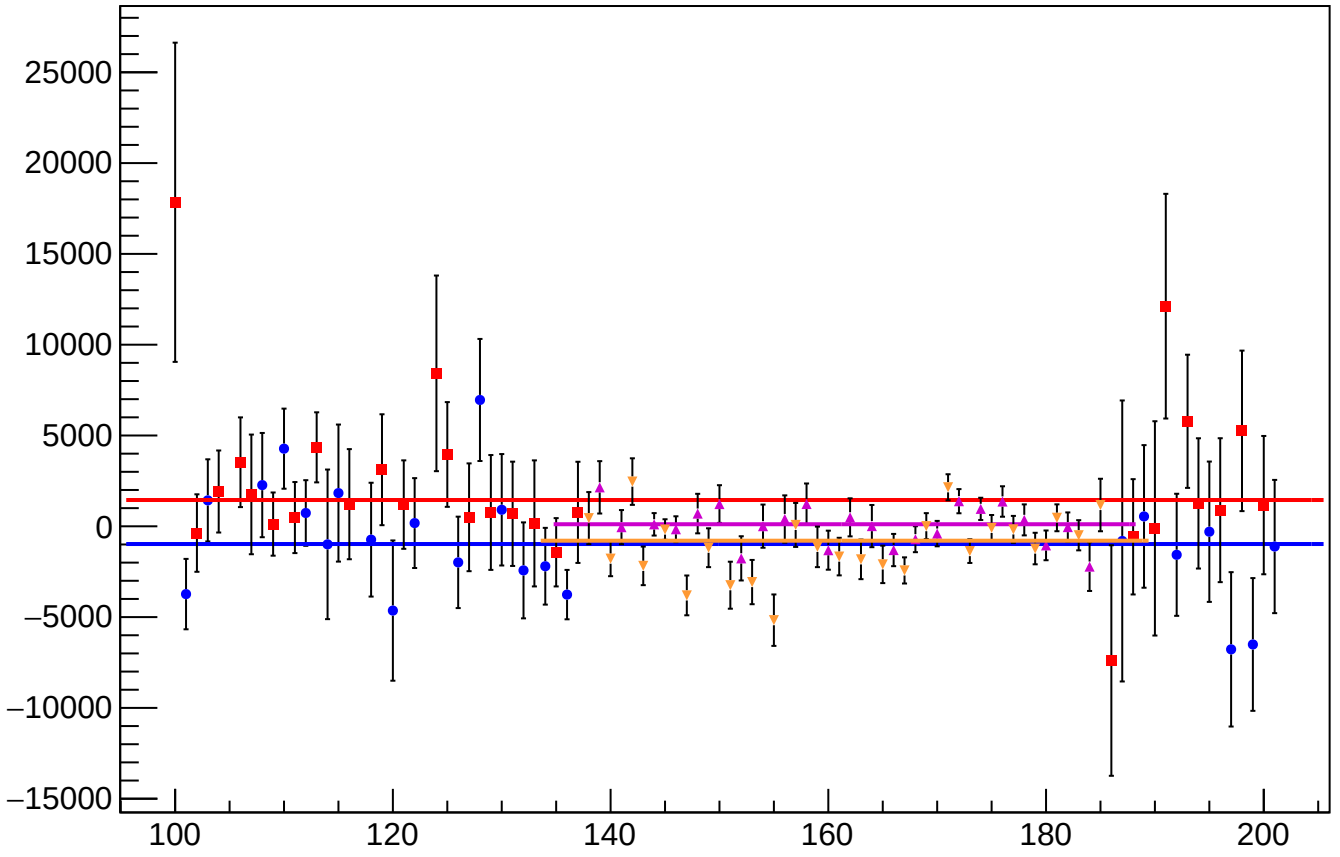
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 165.602+/-0.027 χ^2/NDF: 11338015.3/50

In: 115.732+/-0.016 χ^2/NDF:8625080.6/45

Out: 116.530+/-0.016 χ^2/NDF:10842925.5/52

All: 116.138+/-0.011 χ^2/NDF: 19469222.7/98



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: 1447.564+/-540.040 χ^2/NDF: 21.1/27

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

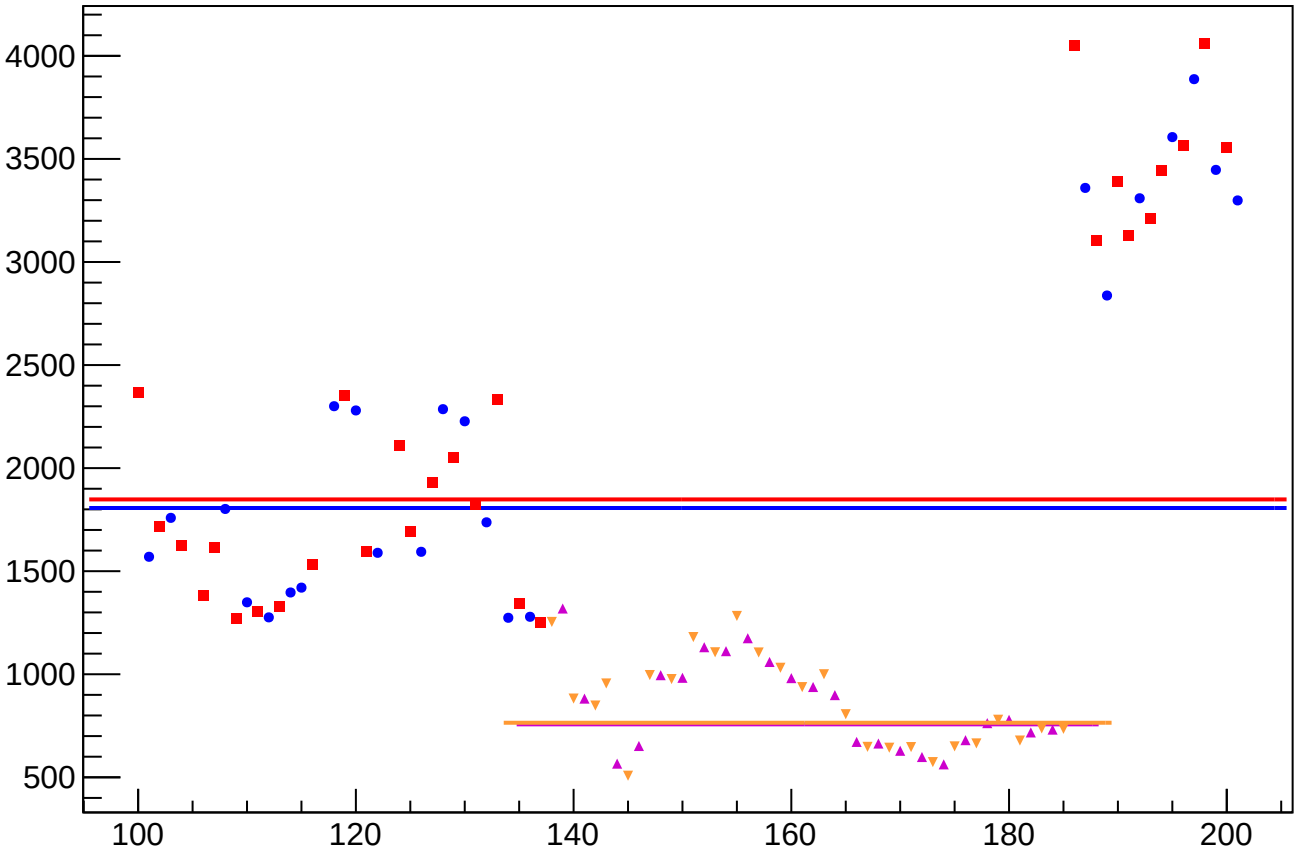
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 266.699+/-386.696 χ^2/NDF: 58.9/50

In: 6.347+/-173.872 χ^2/NDF:57.8/45

Out: -569.268+/-170.676 χ^2/NDF:106.6/52

All: -286.799+/-121.800 χ^2/NDF: 170.0/98



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: 1848.196+/-0.382 χ^2/NDF: 3756389.4/27

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

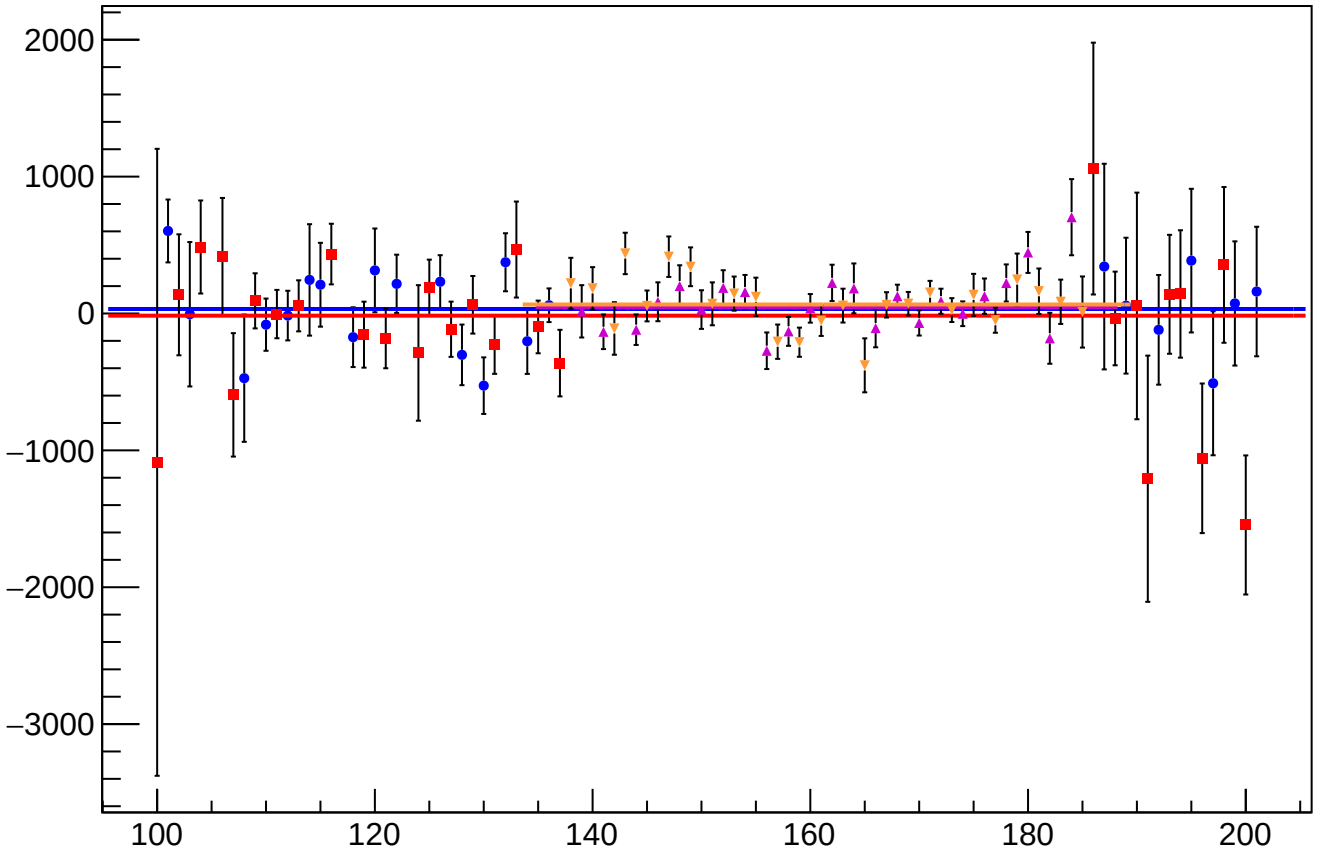
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1827.896+/-0.273 χ^2/NDF: 6974581.4/50

In: 860.326+/-0.123 χ^2/NDF:11800269.9/45

Out: 872.954+/-0.121 χ^2/NDF:13428043.8/52

All: 866.757+/-0.086 χ^2/NDF: 25233686.1/98



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: -15.865+/-53.414 χ^2/NDF: 34.0/27

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

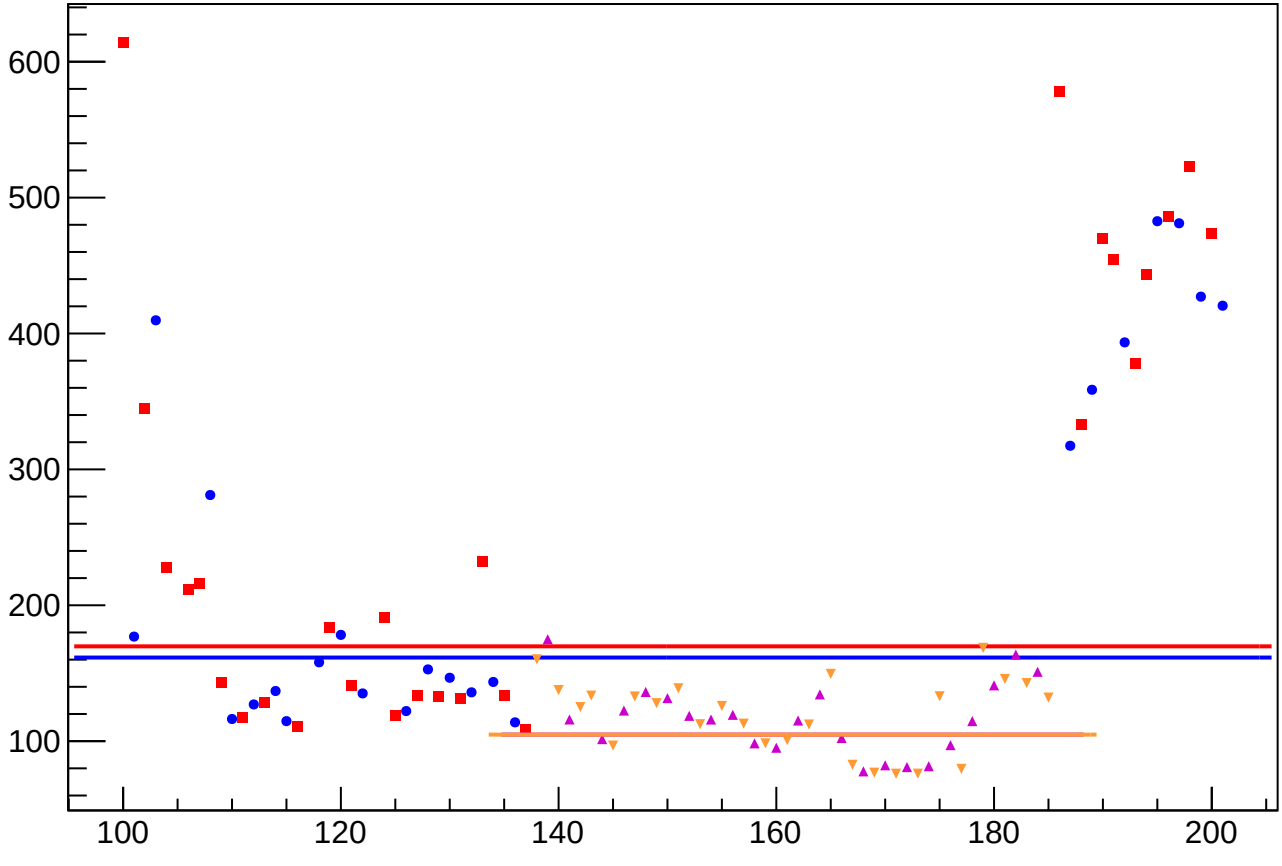
Right: 8.821+/-37.508 χ^2/NDF: 61.5/50

In: 44.308+/-23.095 χ^2/NDF:65.8/45

Out: 50.988+/-22.687 χ^2/NDF:75.9/52

All: 47.708+/-16.184 χ^2/NDF: 141.7/98

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: 169.782+/-0.038 χ^2/NDF: 6174857.3/27

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

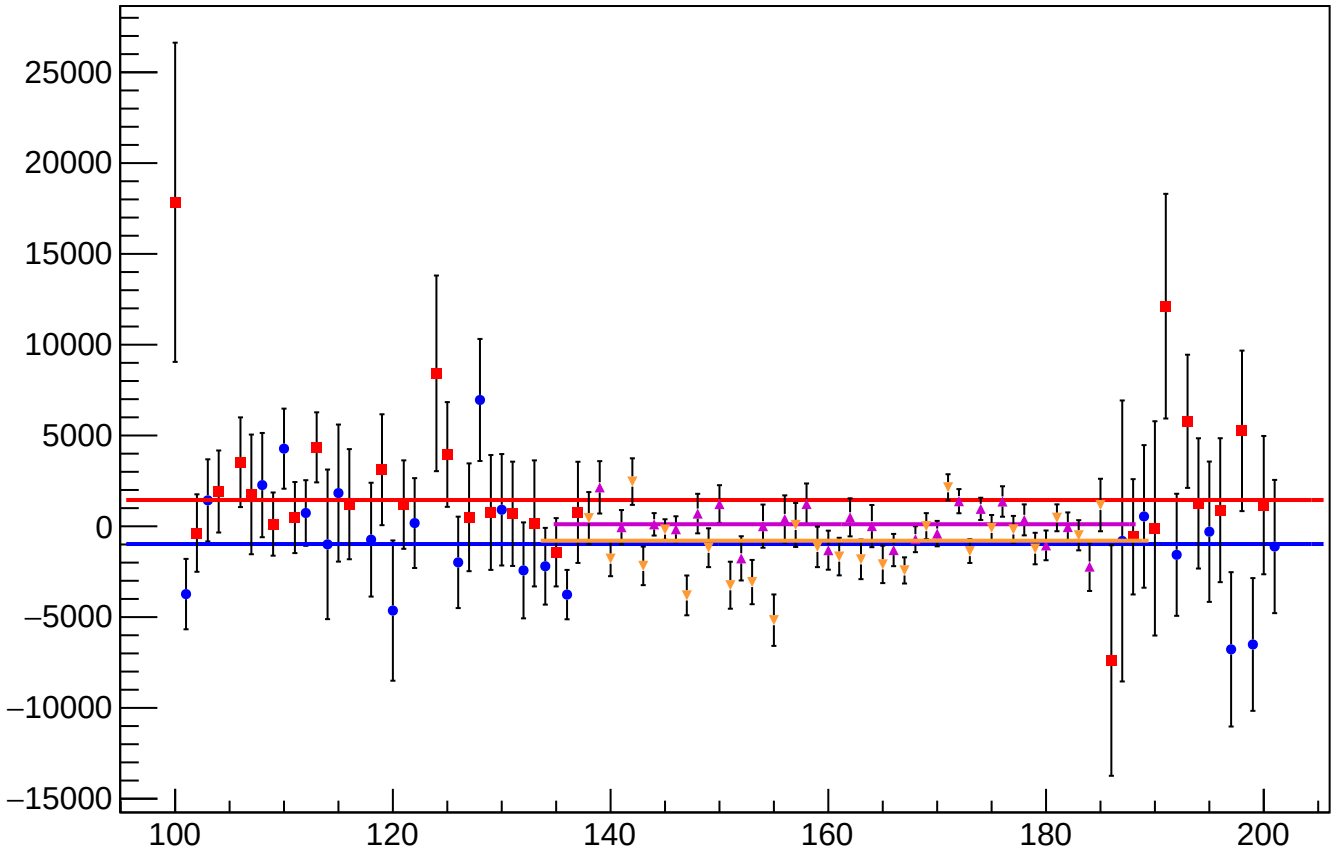
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 165.602+/-0.027 χ^2/NDF: 11338006.2/50

In: 115.732+/-0.016 χ^2/NDF:8625079.9/45

Out: 116.531+/-0.016 χ^2/NDF:10842942.0/52

All: 116.139+/-0.011 χ^2/NDF: 19469238.6/98



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: 1447.563+/-540.039 χ^2/NDF: 21.1/27

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

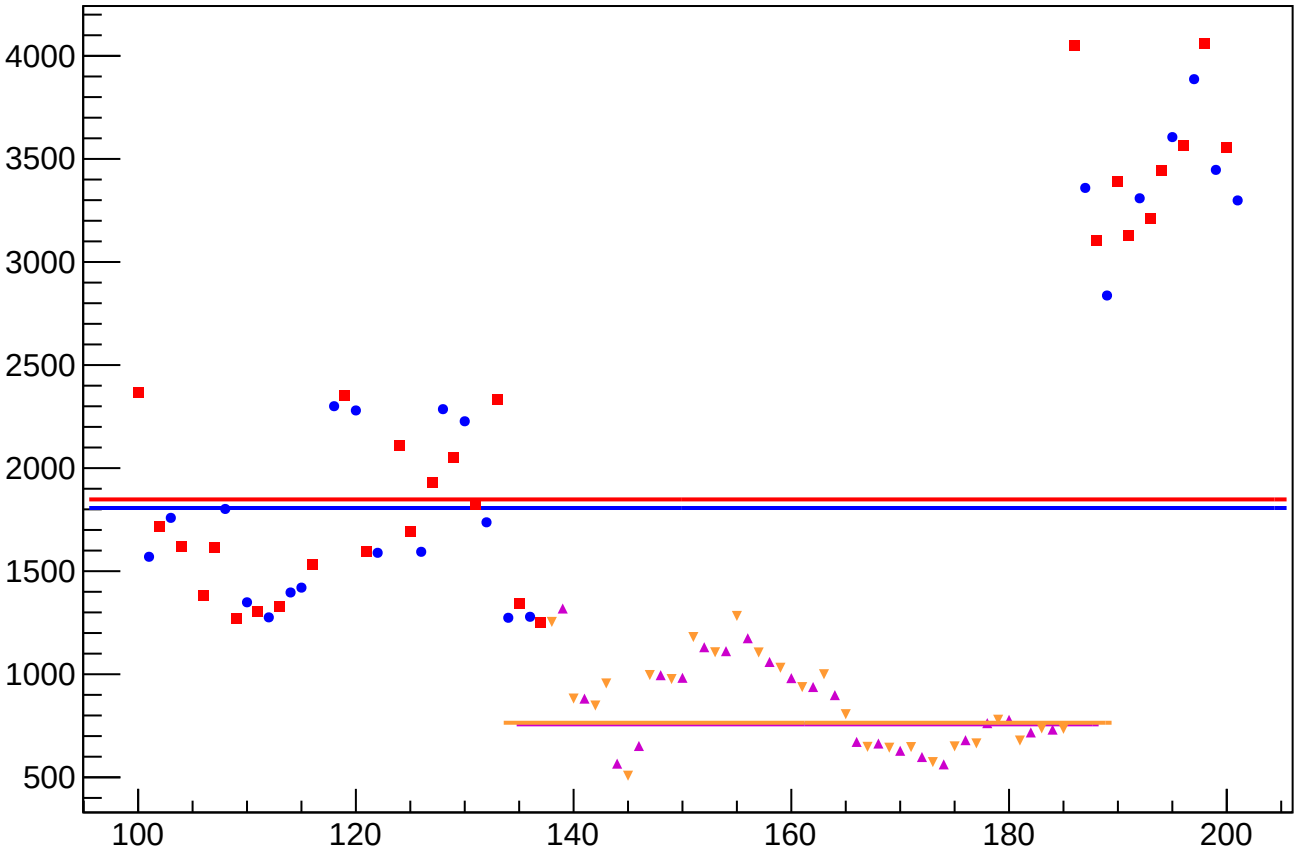
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 266.700+/-386.695 χ^2/NDF: 58.9/50

In: 6.347+/-173.872 χ^2/NDF:57.8/45

Out: -569.269+/-170.676 χ^2/NDF:106.6/52

All: -286.800+/-121.800 χ^2/NDF: 170.0/98



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: 1848.193+/-0.382 χ^2/NDF: 3756389.9/27

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

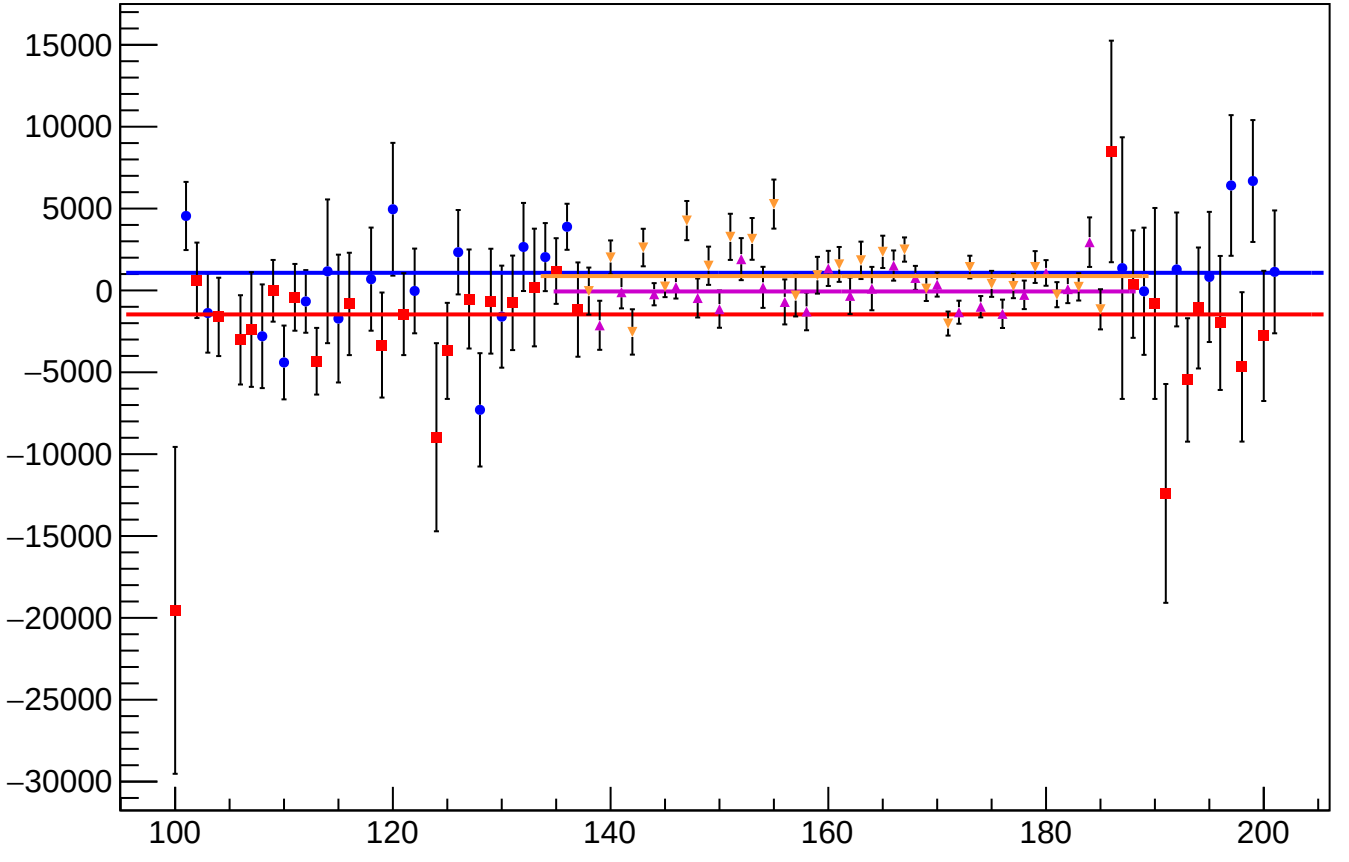
Right: 1827.894+/-0.273 χ^2/NDF: 6974580.2/50

In: 860.325+/-0.123 χ^2/NDF:11800261.9/45

Out: 872.953+/-0.121 χ^2/NDF:13428030.2/52

All: 866.756+/-0.086 χ^2/NDF: 25233664.6/98

asym_sam3_mean vs Slug, Sign Corrected



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: -1465.172+/-566.786 χ^2/NDF: 19.1/27

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

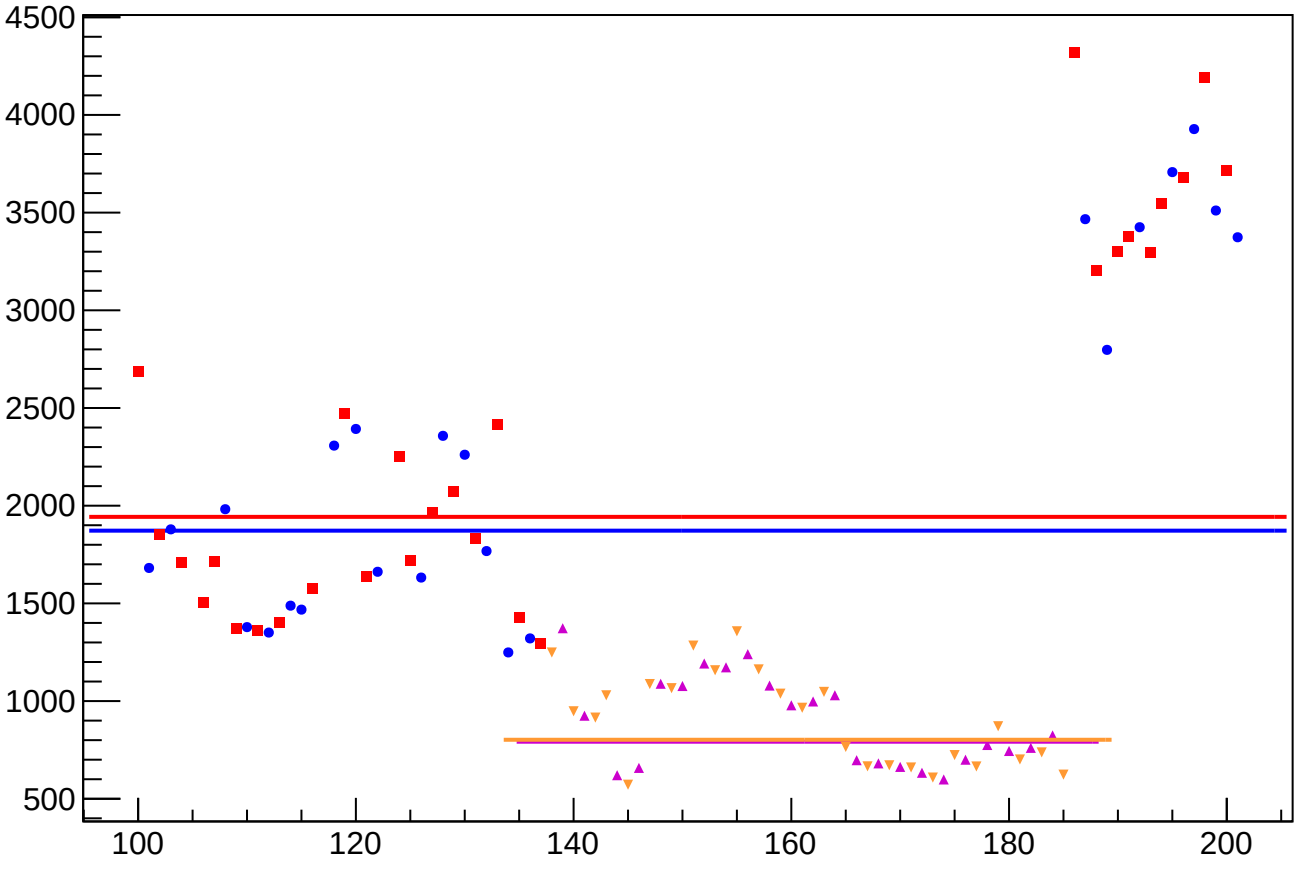
Right: -210.193+/-403.244 χ^2/NDF: 58.0/50

In: 51.481+/-181.734 χ^2/NDF:59.6/45

Out: 642.161+/-179.293 χ^2/NDF:101.7/52

All: 350.814+/-127.633 χ^2/NDF: 166.7/98

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: 1942.836+/-0.401 χ^2/NDF: 3606416.2/27

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

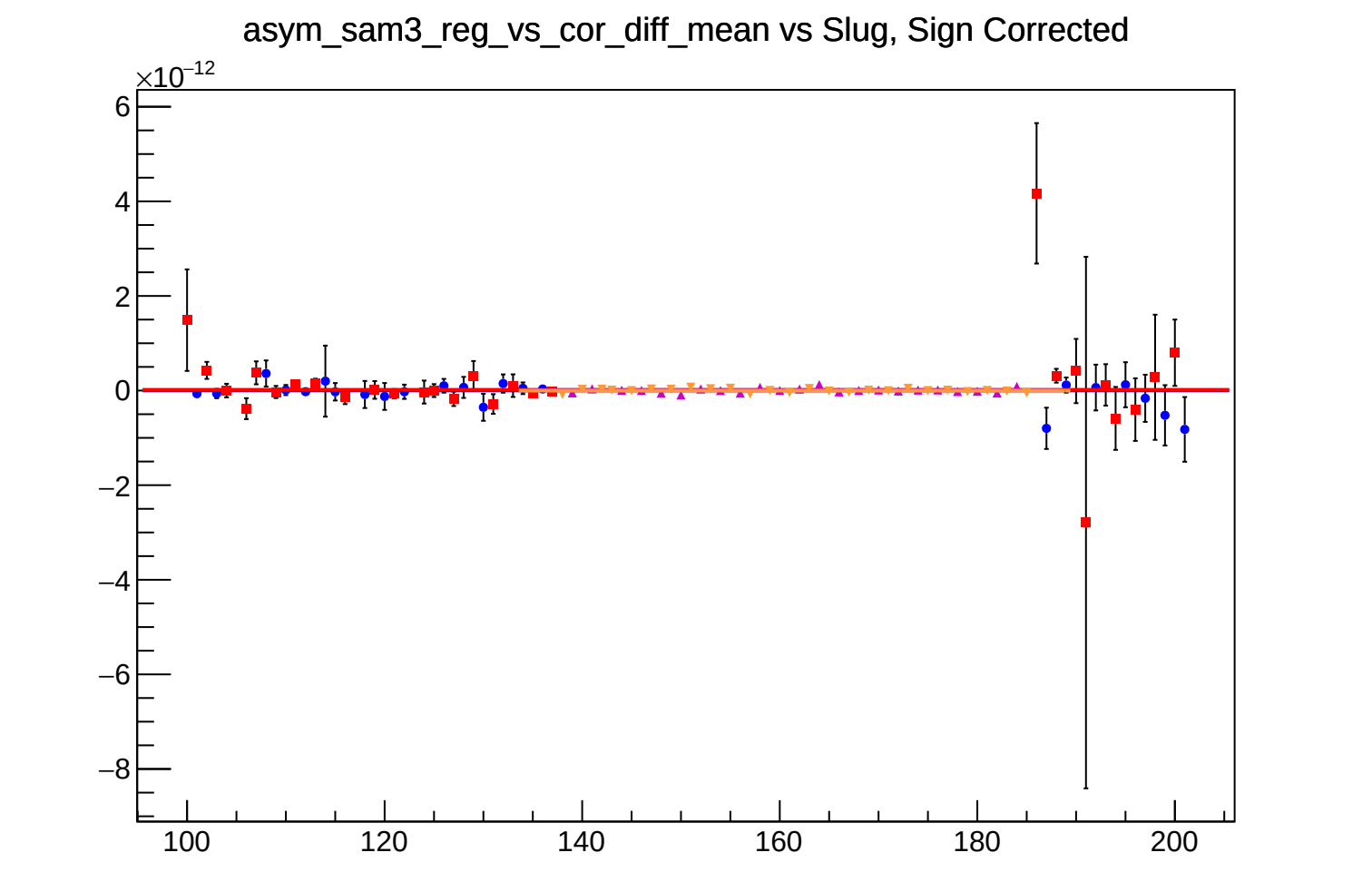
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

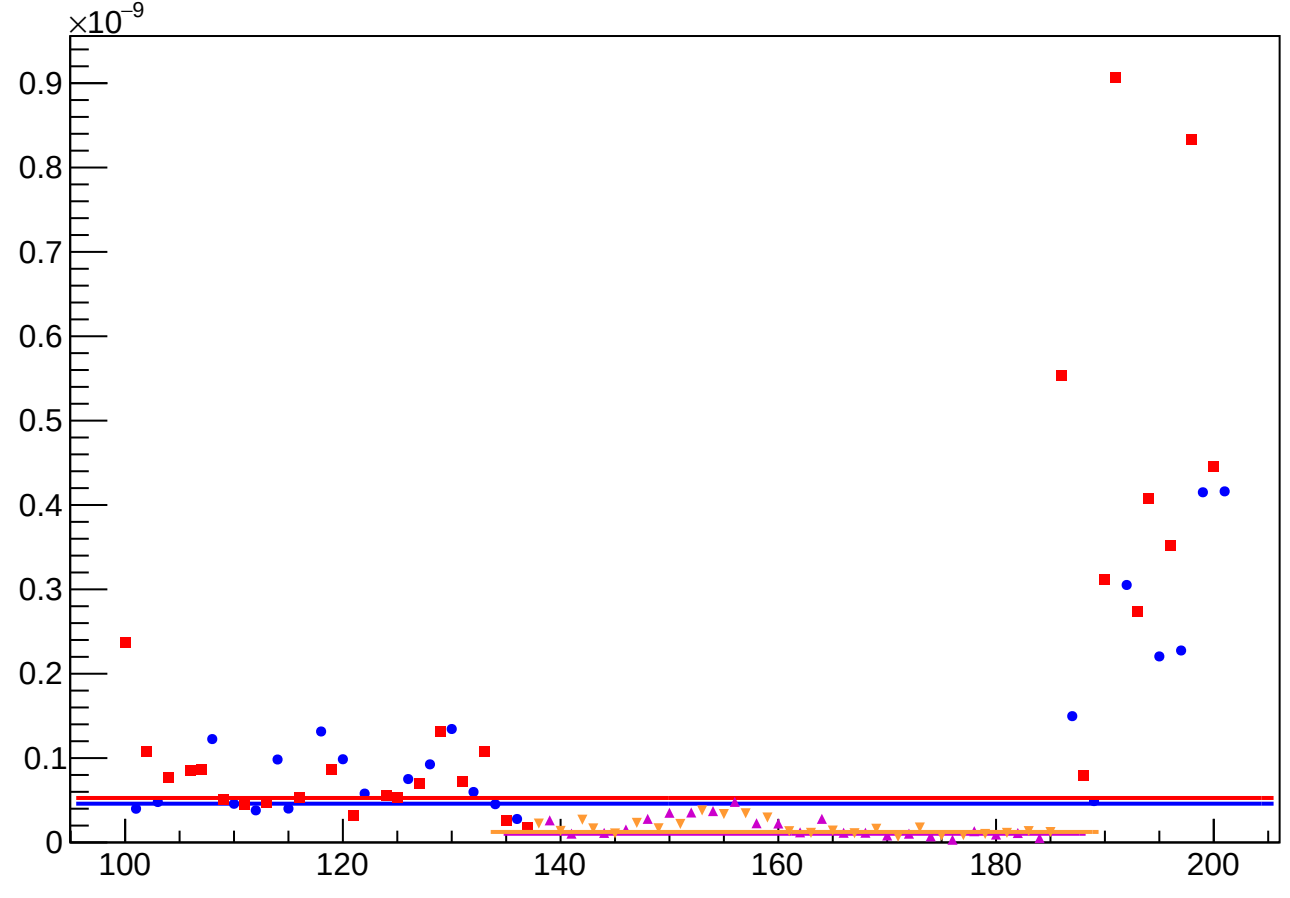
Right: 1907.960+/-0.285 χ^2/NDF: 6768411.1/50

In: 900.402+/-0.129 χ^2/NDF:11658046.3/45

Out: 916.172+/-0.127 χ^2/NDF:13294295.9/52

All: 908.394+/-0.090 χ^2/NDF: 24959974.2/98


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: 38.8/27
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: 52.0/50
In: 0.000+/-0.000 χ²/NDF:44.6/45
Out: -0.000+/-0.000 χ²/NDF:63.2/52
All: 0.000+/-0.000 χ²/NDF: 108.7/98



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: 4924341.1/27

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

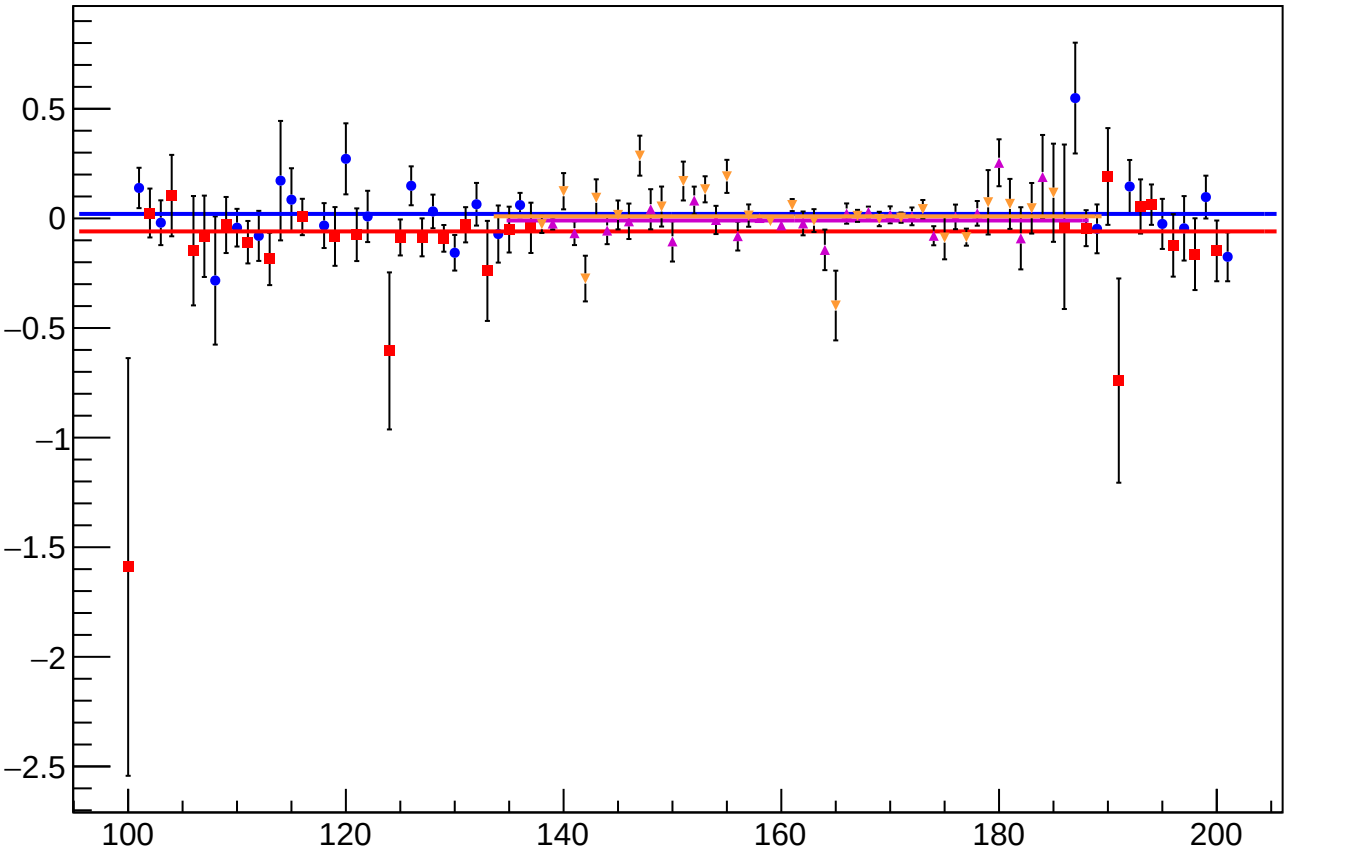
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8647037.0/50

In: 0.000+/-0.000 χ^2/NDF:10804649.7/45

Out: 0.000+/-0.000 χ^2/NDF:10743719.9/52

All: 0.000+/-0.000 χ^2/NDF: 21745515.8/98



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: -0.059+/-0.022 χ^2/NDF: 16.8/27

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

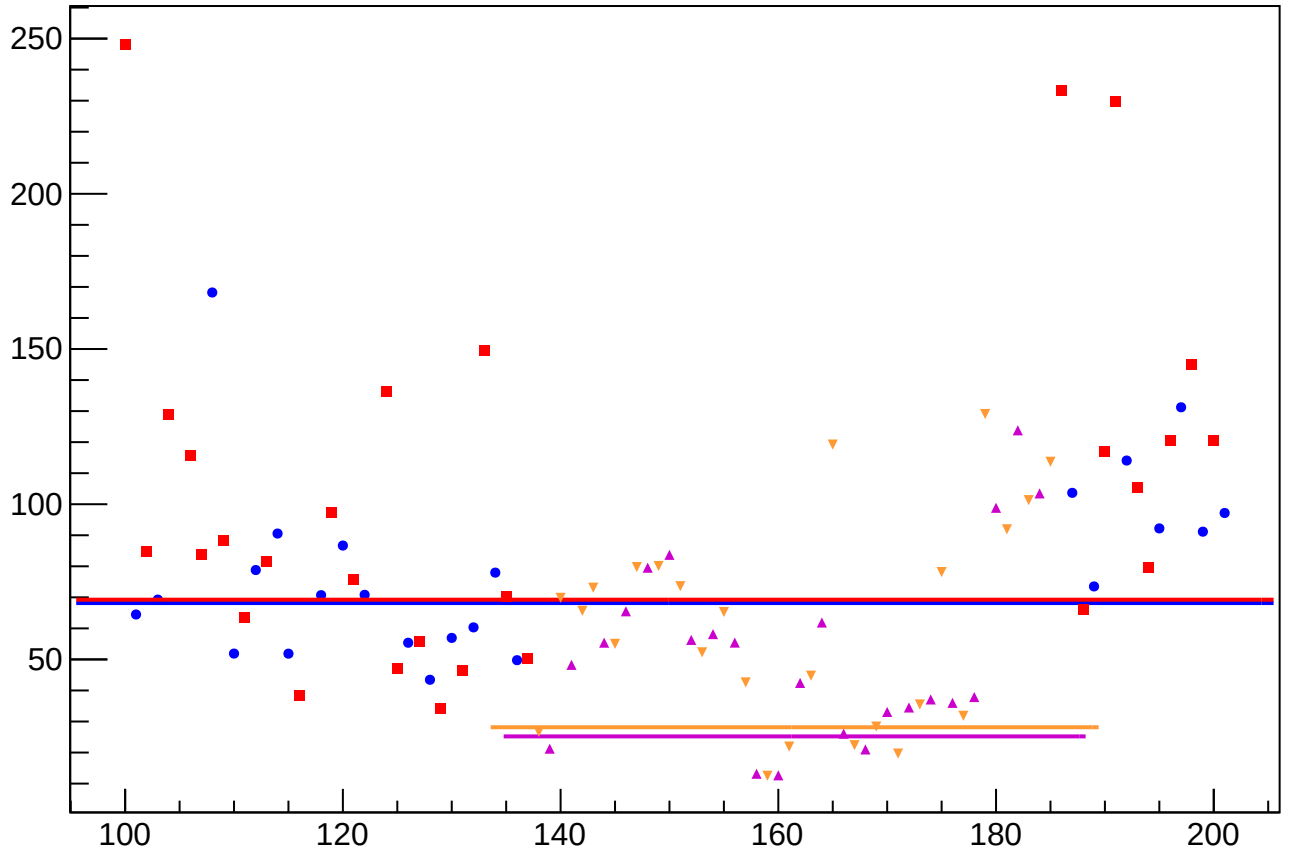
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 48.8/50

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.003+/-0.005 χ^2/NDF: 132.6/98



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: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

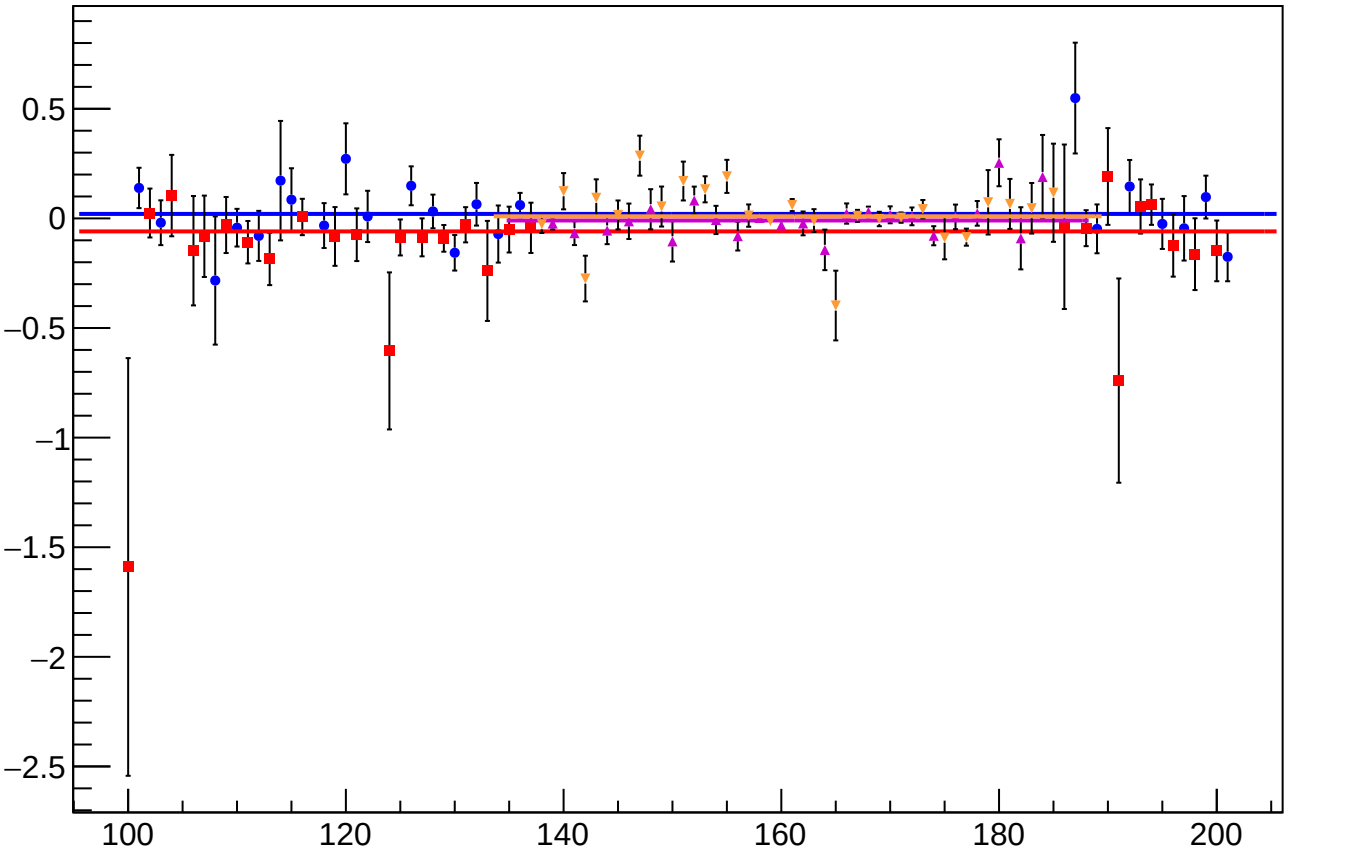
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.697+/-0.011 χ^2/NDF: 6064885.4/50

In: 30.241+/-0.005 χ^2/NDF:18812490.8/45

Out: 33.446+/-0.006 χ^2/NDF:21257984.3/52

All: 31.750+/-0.004 χ^2/NDF: 40244997.9/98



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: -0.059+/-0.022 χ^2/NDF: 16.8/27

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

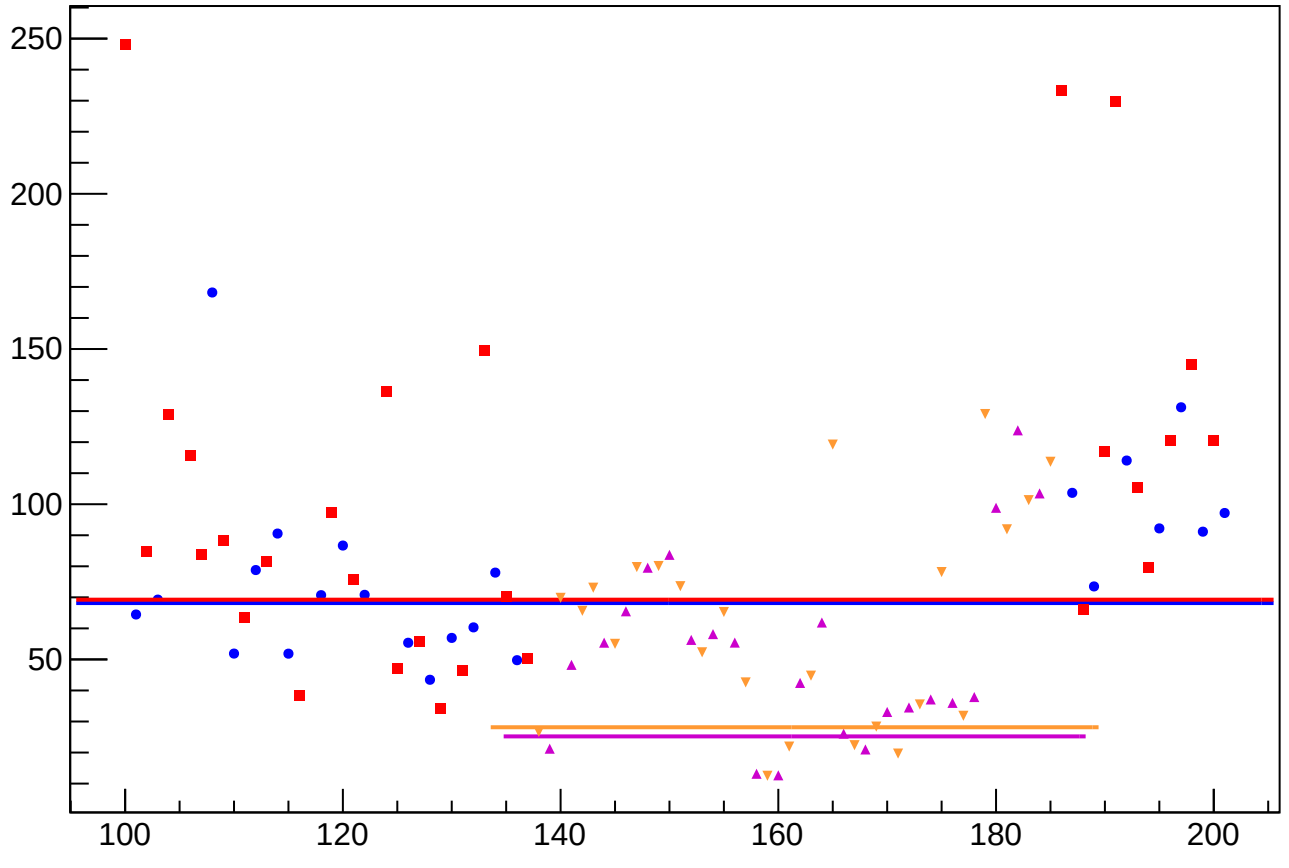
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 48.8/50

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.003+/-0.005 χ^2/NDF: 132.6/98



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: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

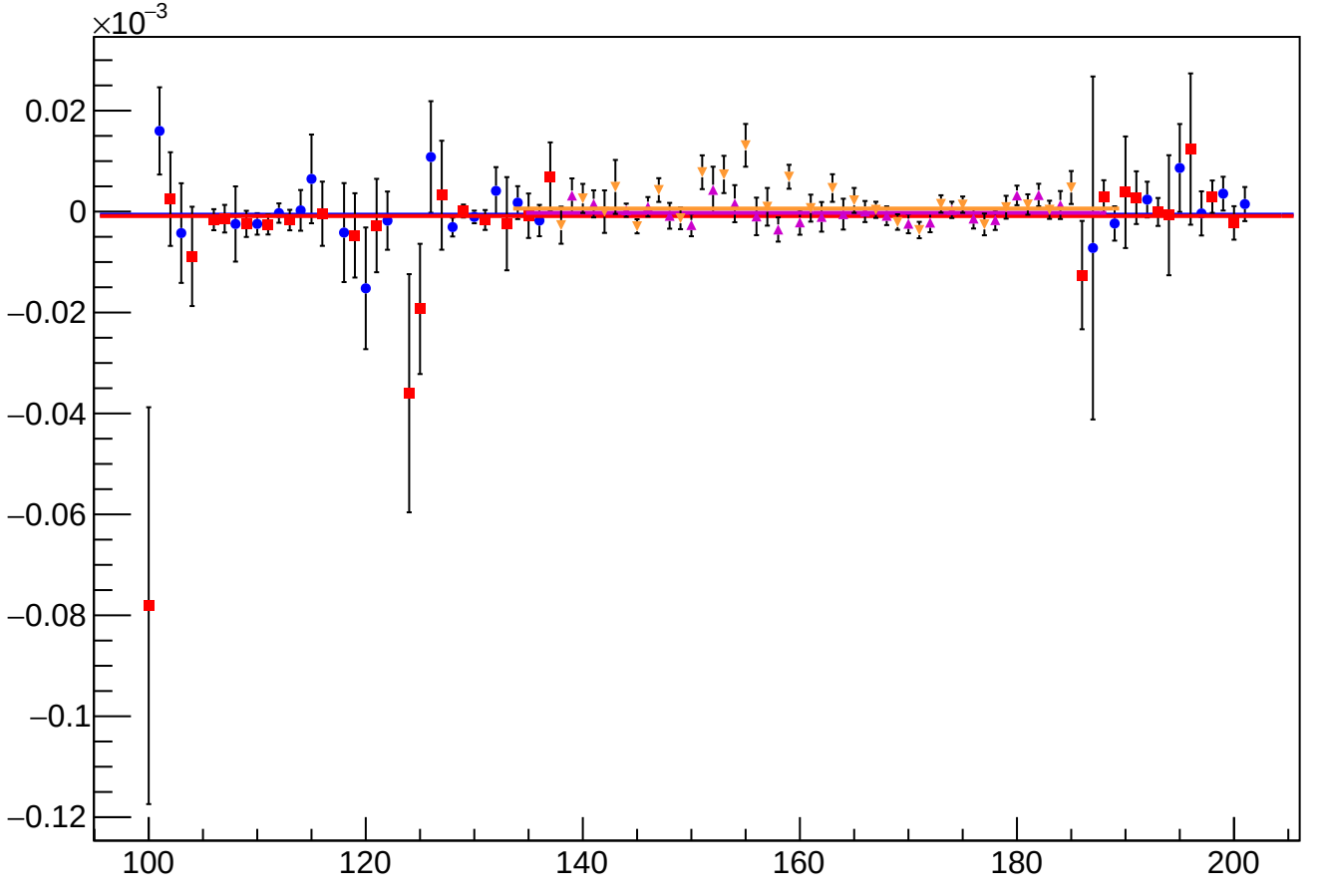
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.697+/-0.011 χ^2/NDF: 6064885.4/50

In: 30.241+/-0.005 χ^2/NDF:18812490.8/45

Out: 33.446+/-0.006 χ^2/NDF:21257984.3/52

All: 31.750+/-0.004 χ^2/NDF: 40244997.9/98



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: 18.4/27

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

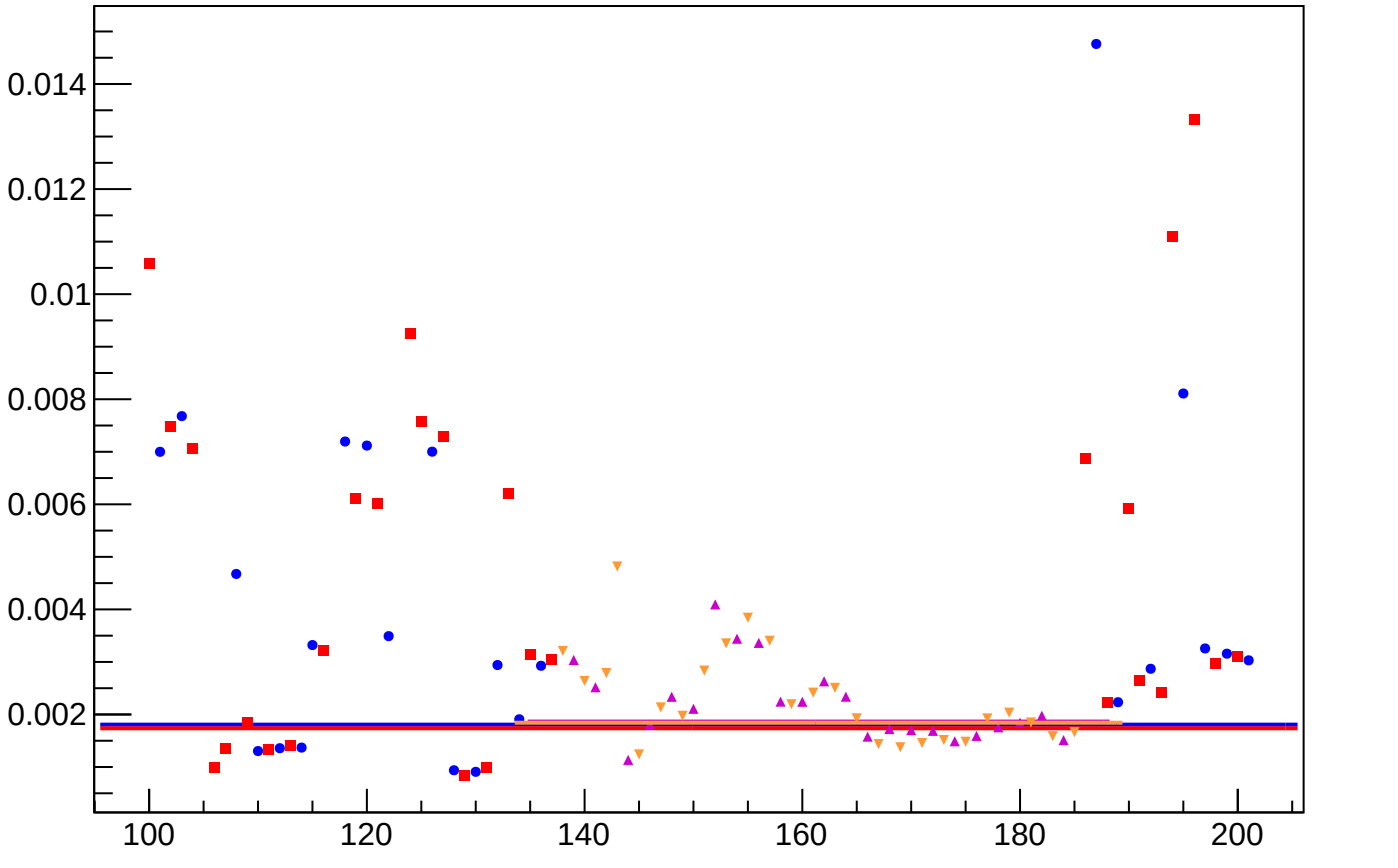
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/50

In: -0.000+/-0.000 χ^2/NDF:32.4/45

Out: 0.000+/-0.000 χ^2/NDF:74.5/52

All: -0.000+/-0.000 χ^2/NDF: 107.6/98



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: 10183686.4/27

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

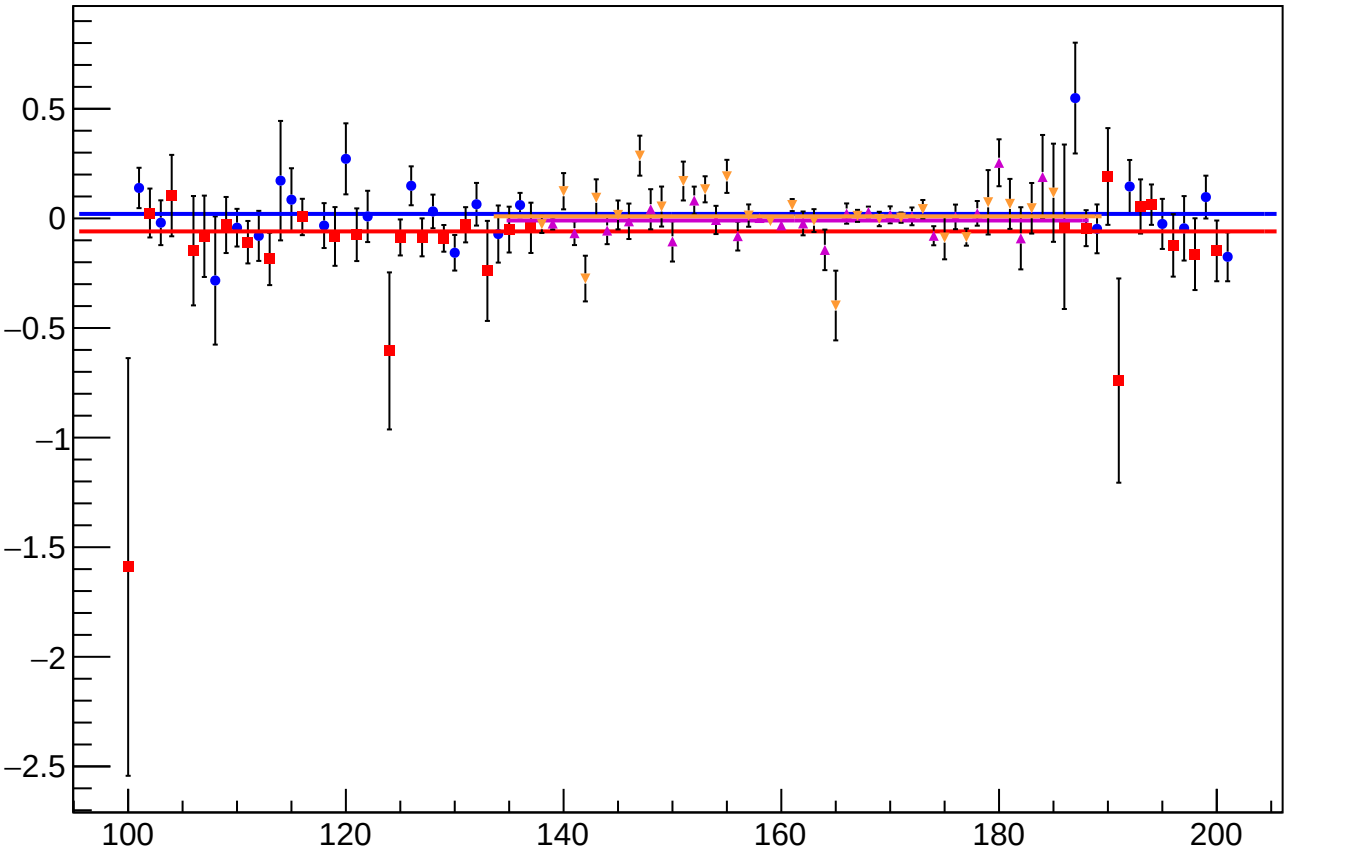
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18029430.4/50

In: 0.002+/-0.000 χ^2/NDF:10638937.4/45

Out: 0.002+/-0.000 χ^2/NDF:14004851.8/52

All: 0.002+/-0.000 χ^2/NDF: 24654416.6/98



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: -0.059+/-0.022 χ^2/NDF: 16.8/27

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

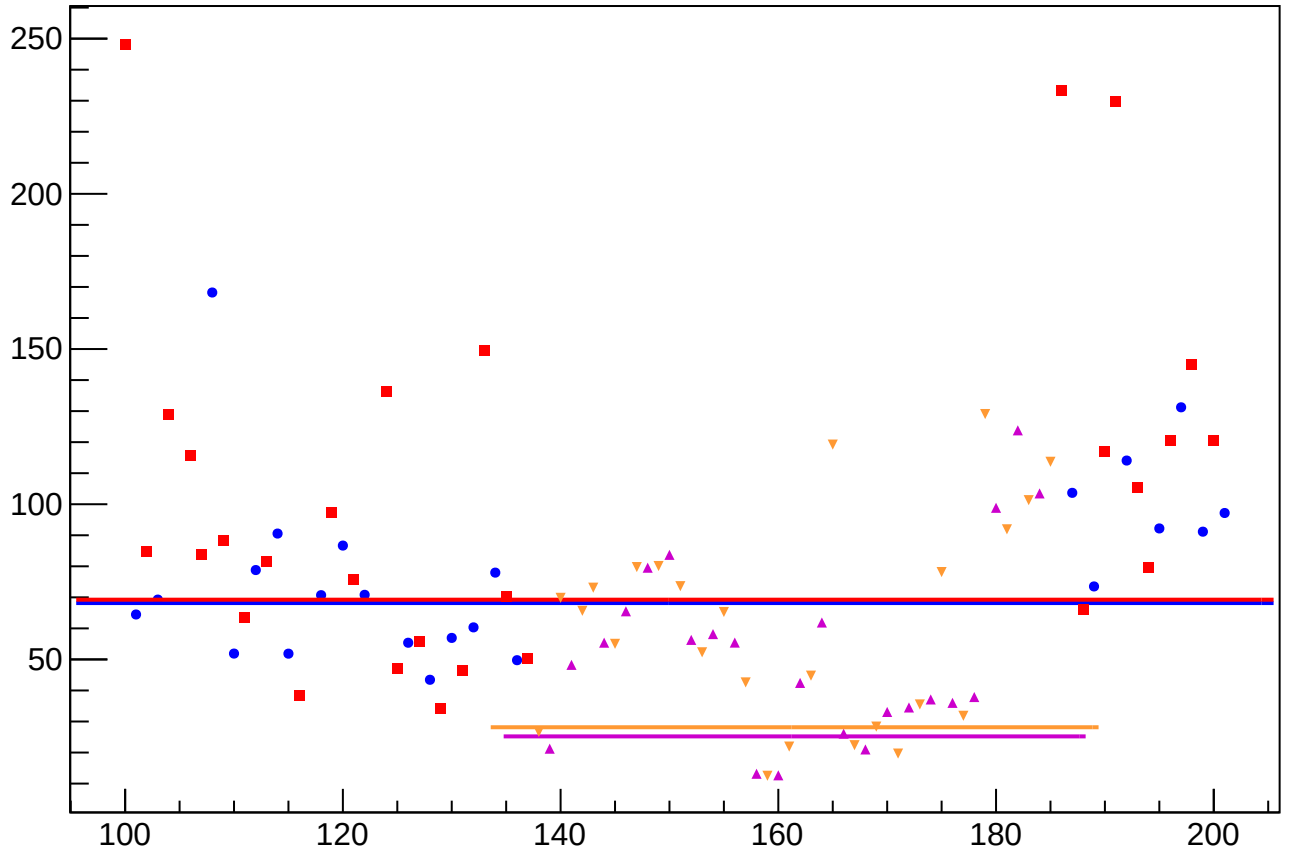
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 48.8/50

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.003+/-0.005 χ^2/NDF: 132.6/98



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: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

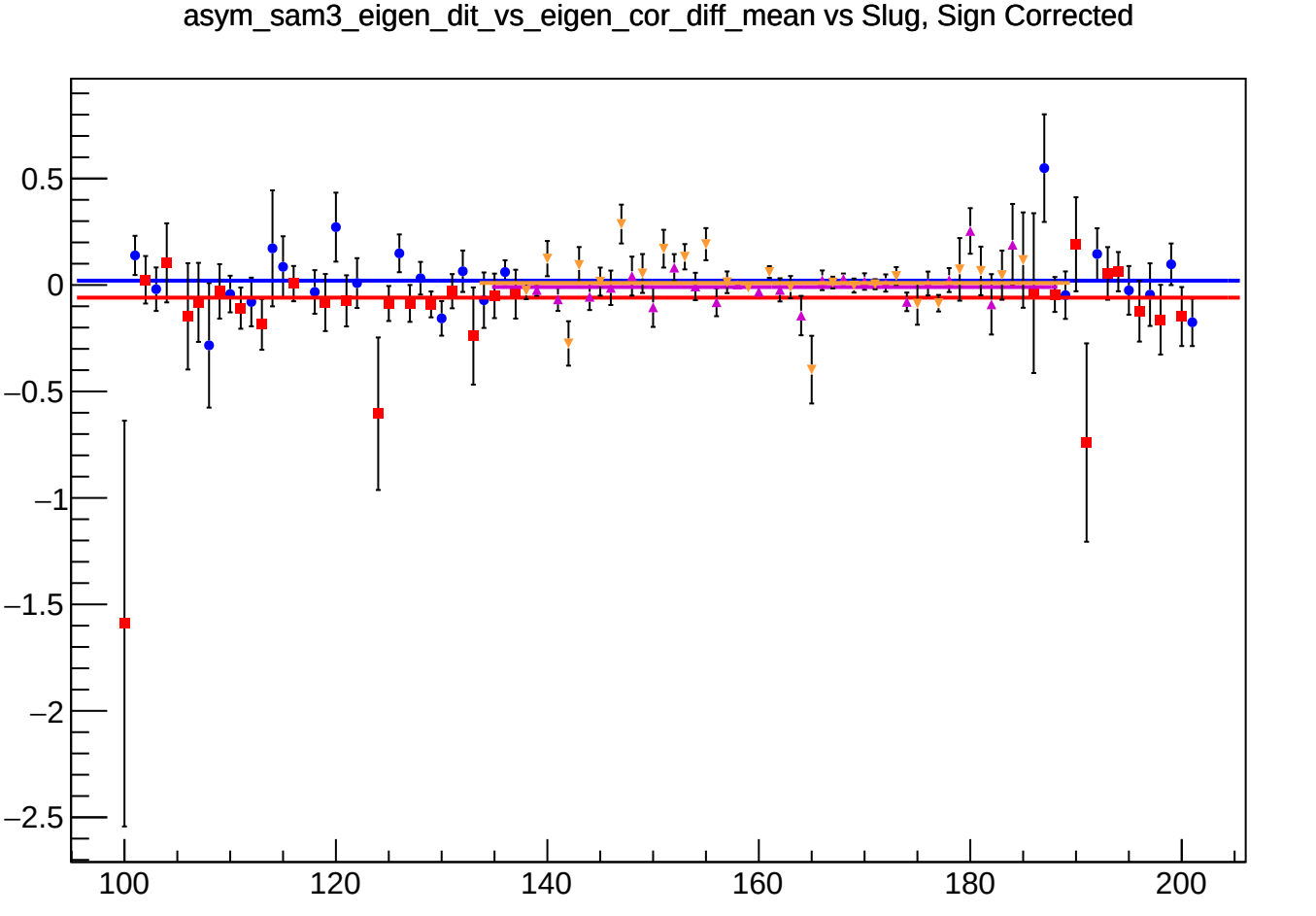
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.698+/-0.011 χ^2/NDF: 6064883.6/50

In: 30.241+/-0.005 χ^2/NDF:18813149.0/45

Out: 33.445+/-0.006 χ^2/NDF:21259641.3/52

All: 31.749+/-0.004 χ^2/NDF: 40247228.0/98



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: -0.059+/-0.022 χ^2/NDF: 16.8/27

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

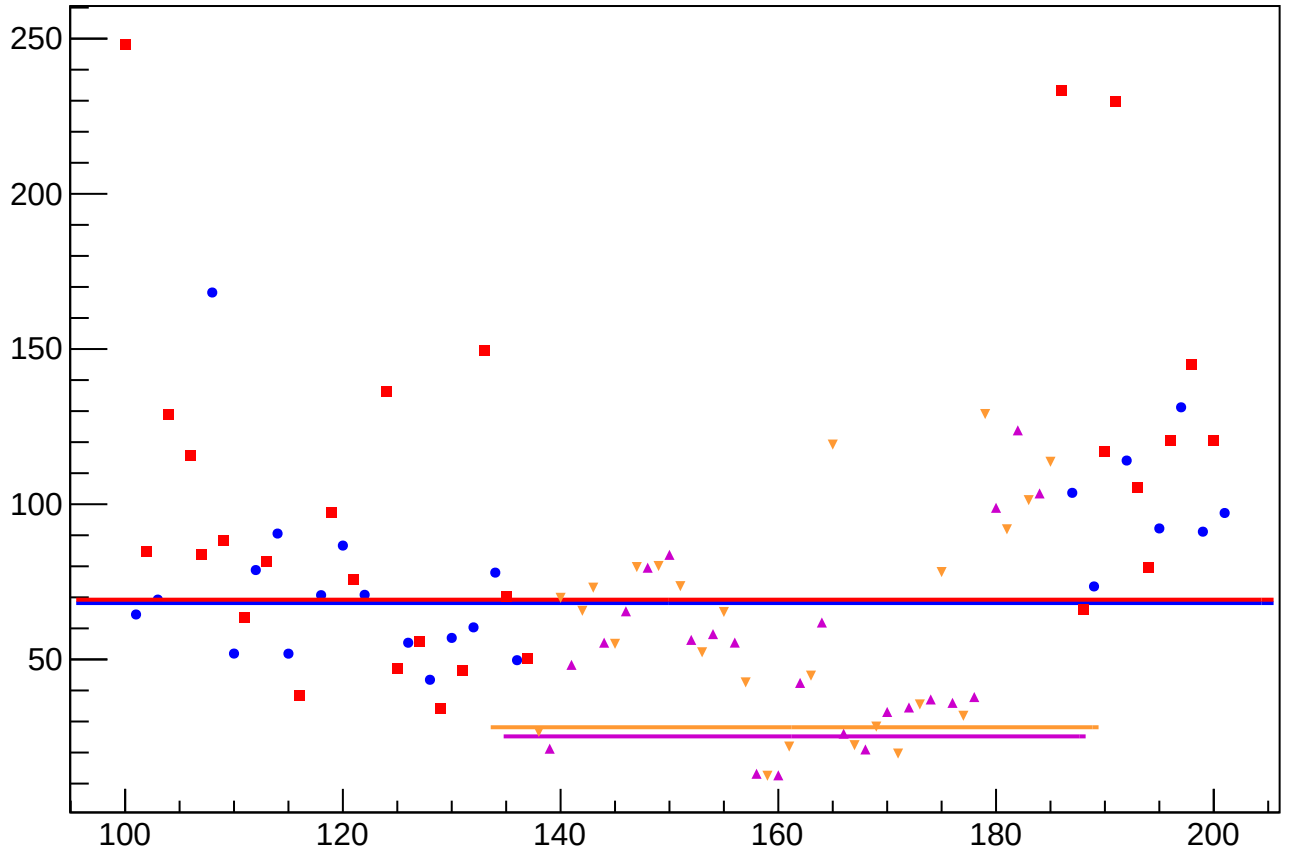
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 48.8/50

In: -0.006+/-0.007 χ^2/NDF:52.2/45

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.003+/-0.005 χ^2/NDF: 132.6/98



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: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

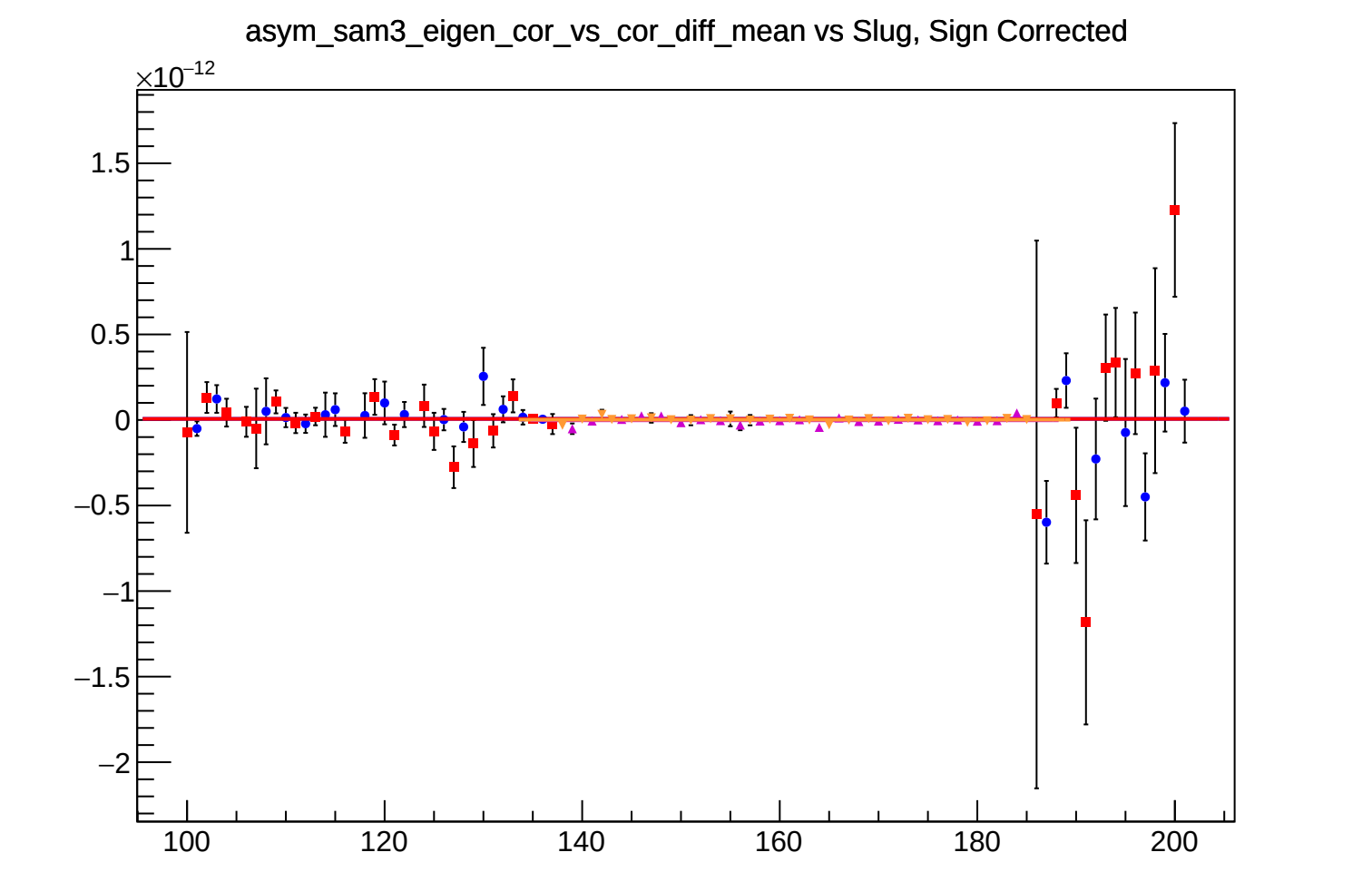
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.698+/-0.011 χ^2/NDF: 6064883.6/50

In: 30.241+/-0.005 χ^2/NDF:18813149.0/45

Out: 33.445+/-0.006 χ^2/NDF:21259641.3/52

All: 31.749+/-0.004 χ^2/NDF: 40247228.0/98



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: 34.9/27

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

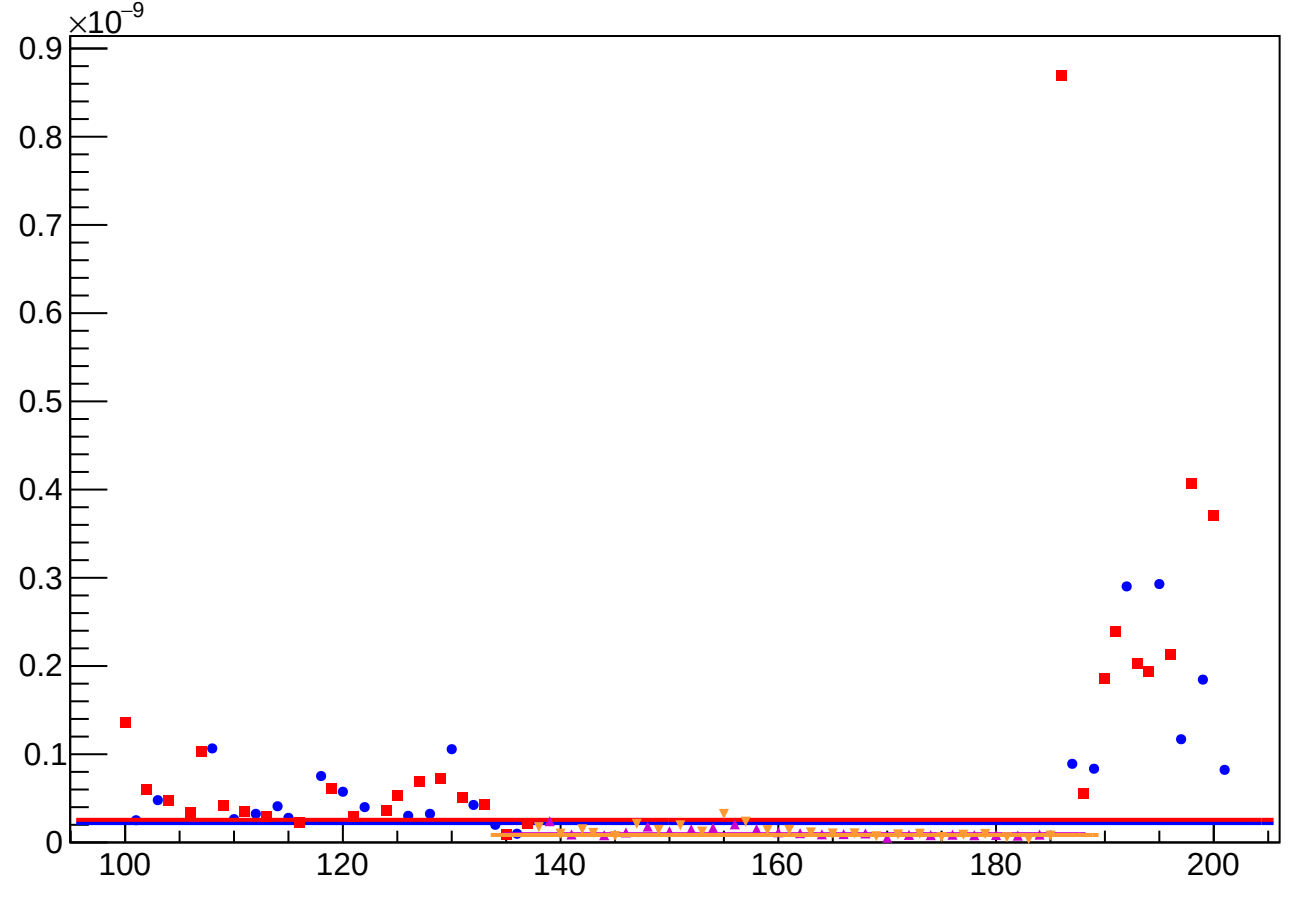
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 55.8/50

In: -0.000+/-0.000 χ^2/NDF:42.2/45

Out: 0.000+/-0.000 χ^2/NDF:46.3/52

All: 0.000+/-0.000 χ^2/NDF: 89.1/98



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: 8495153.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

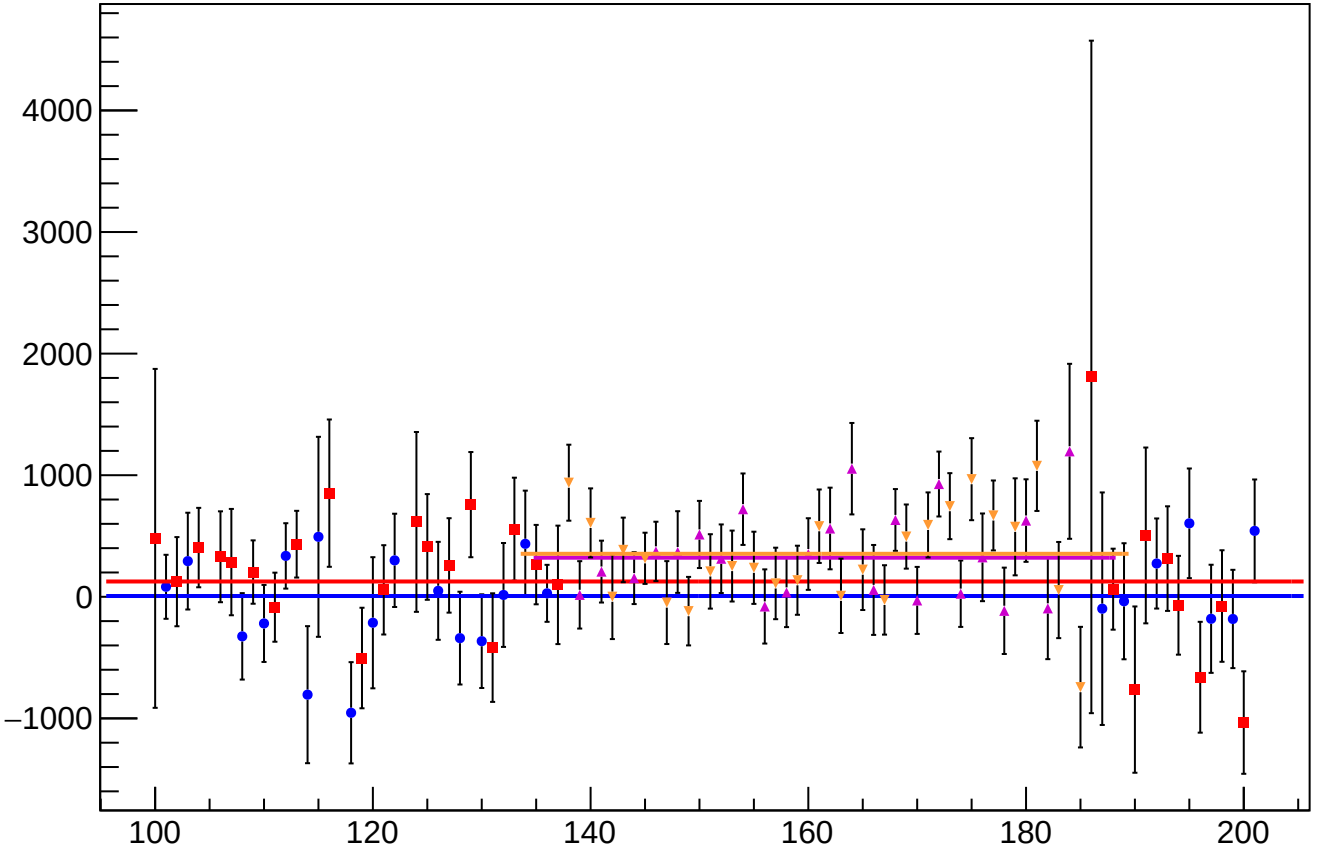
Right: 0.000+/-0.000 χ^2/NDF: 15298483.1/50

In: 0.000+/-0.000 χ^2/NDF:10914361.6/45

Out: 0.000+/-0.000 χ^2/NDF:16051658.4/52

All: 0.000+/-0.000 χ^2/NDF: 27079948.2/98

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: 125.904+/-76.864 χ^2/NDF: 26.3/27

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

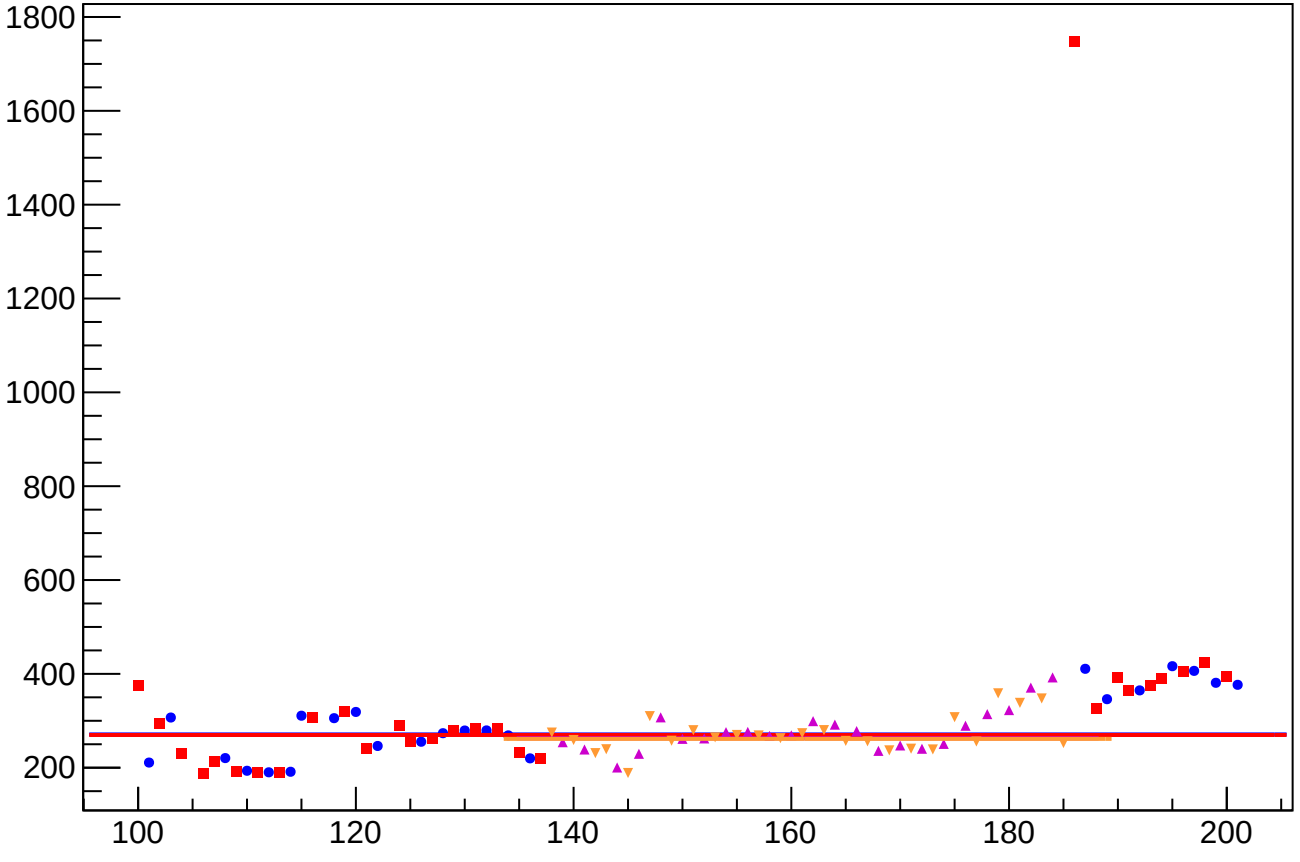
Right: 68.577+/-55.428 χ^2/NDF: 46.4/50

In: 203.030+/-49.062 χ^2/NDF:54.9/45

Out: 267.133+/-47.369 χ^2/NDF:64.0/52

All: 236.207+/-34.078 χ^2/NDF: 119.8/98

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: 269.762+/-0.054 χ^2/NDF: 2391402.8/27

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

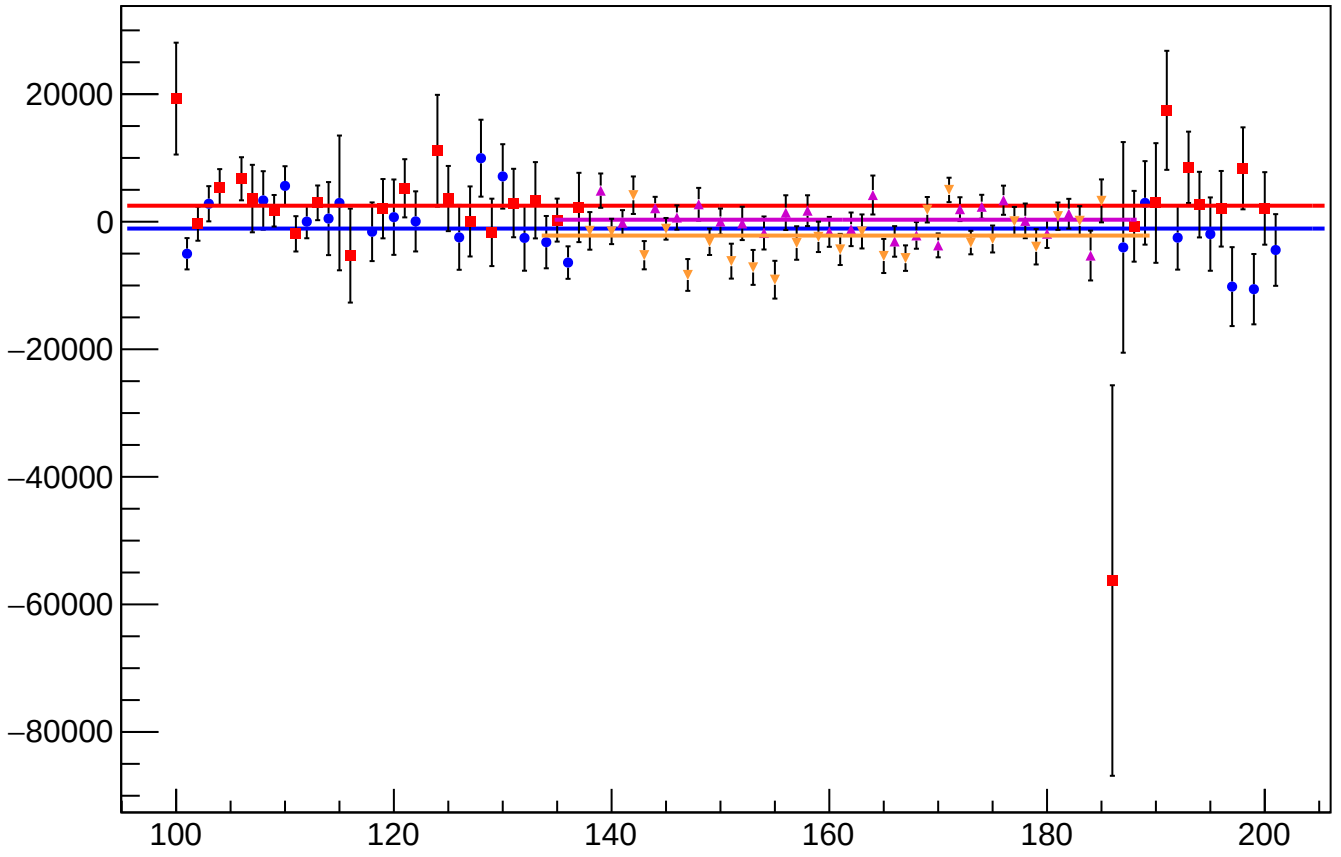
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 270.319+/-0.039 χ^2/NDF: 3921786.7/50

In: 265.740+/-0.035 χ^2/NDF:2214260.9/45

Out: 264.619+/-0.033 χ^2/NDF:3121307.5/52

All: 265.160+/-0.024 χ^2/NDF: 5336108.4/98



Right In: -1075.503+/-876.455 χ^2/NDF: 27.5/22

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2509.987+/-827.461 χ^2/NDF: 22.6/27

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

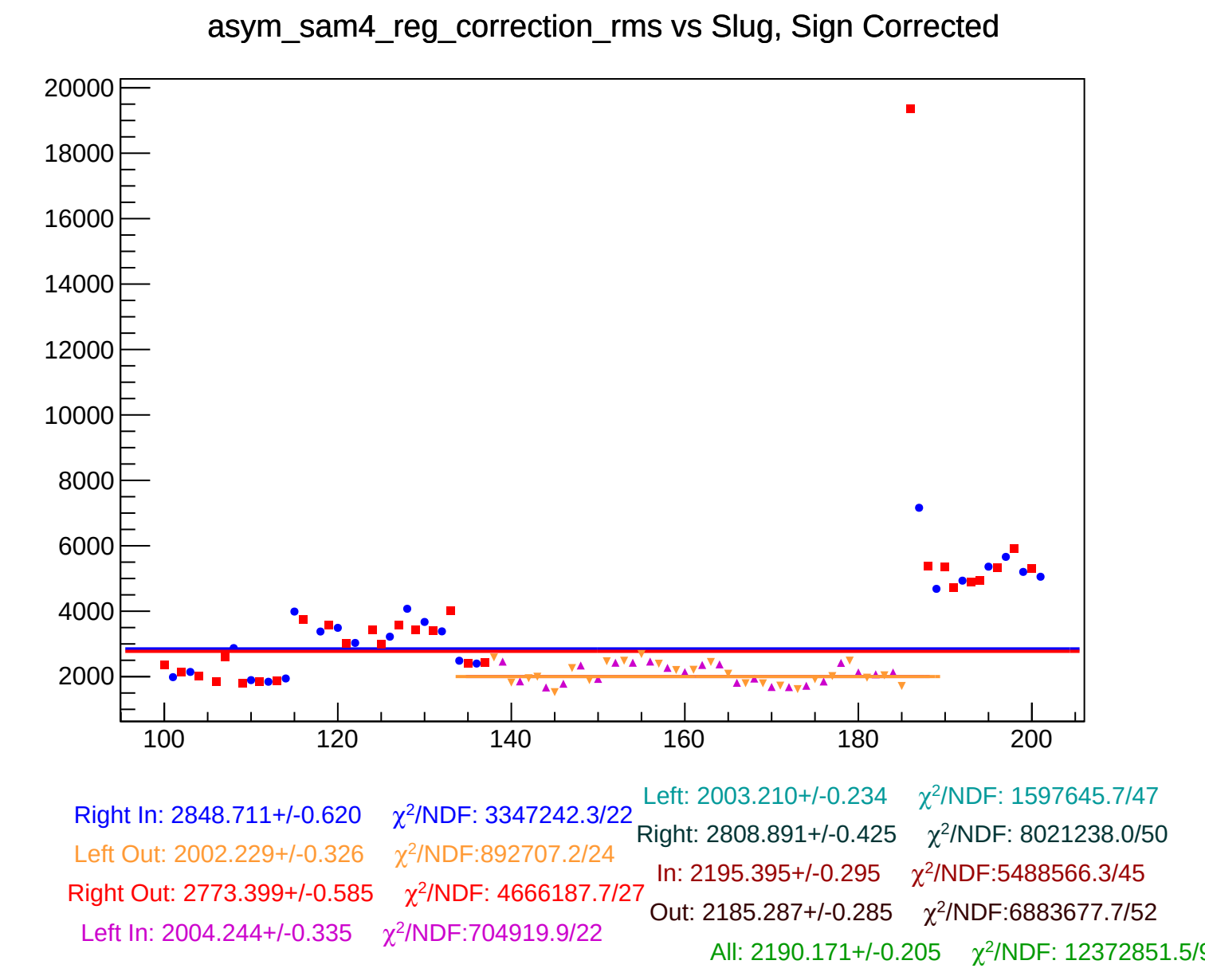
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 820.253+/-601.679 χ^2/NDF: 58.9/50

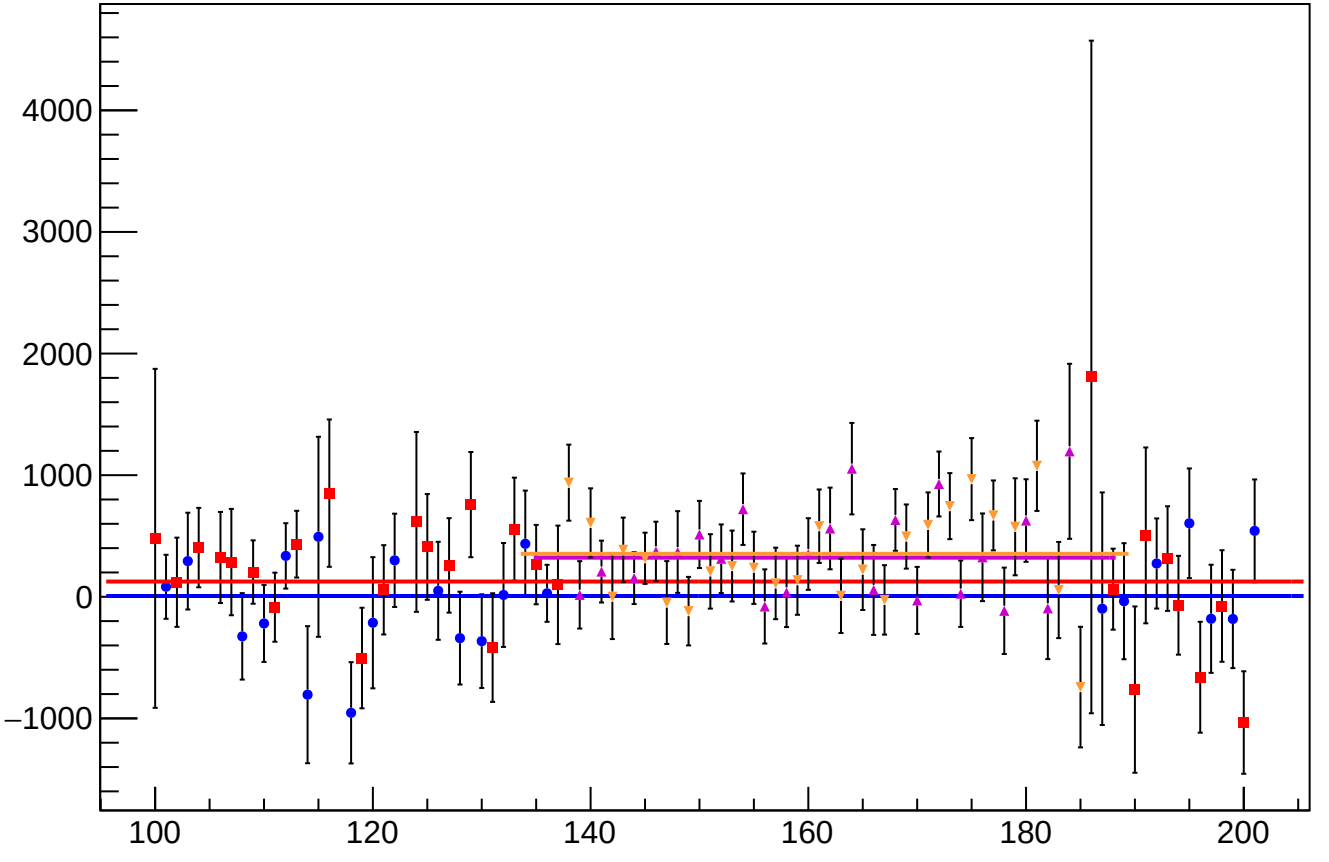
In: -0.727+/-416.991 χ^2/NDF:53.1/45

Out: -1060.483+/-403.150 χ^2/NDF:102.5/52

All: -548.485+/-289.840 χ^2/NDF: 159.0/98


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2848.711+/-0.620 χ²/NDF: 3347242.3/22
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 2773.399+/-0.585 χ²/NDF: 4666187.7/27
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 2808.891+/-0.425 χ²/NDF: 8021238.0/50
In: 2195.395+/-0.295 χ²/NDF:5488566.3/45
Out: 2185.287+/-0.285 χ²/NDF:6883677.7/52
All: 2190.171+/-0.205 χ²/NDF: 12372851.5/9

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: 125.387+/-76.873 χ^2/NDF: 26.2/27

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

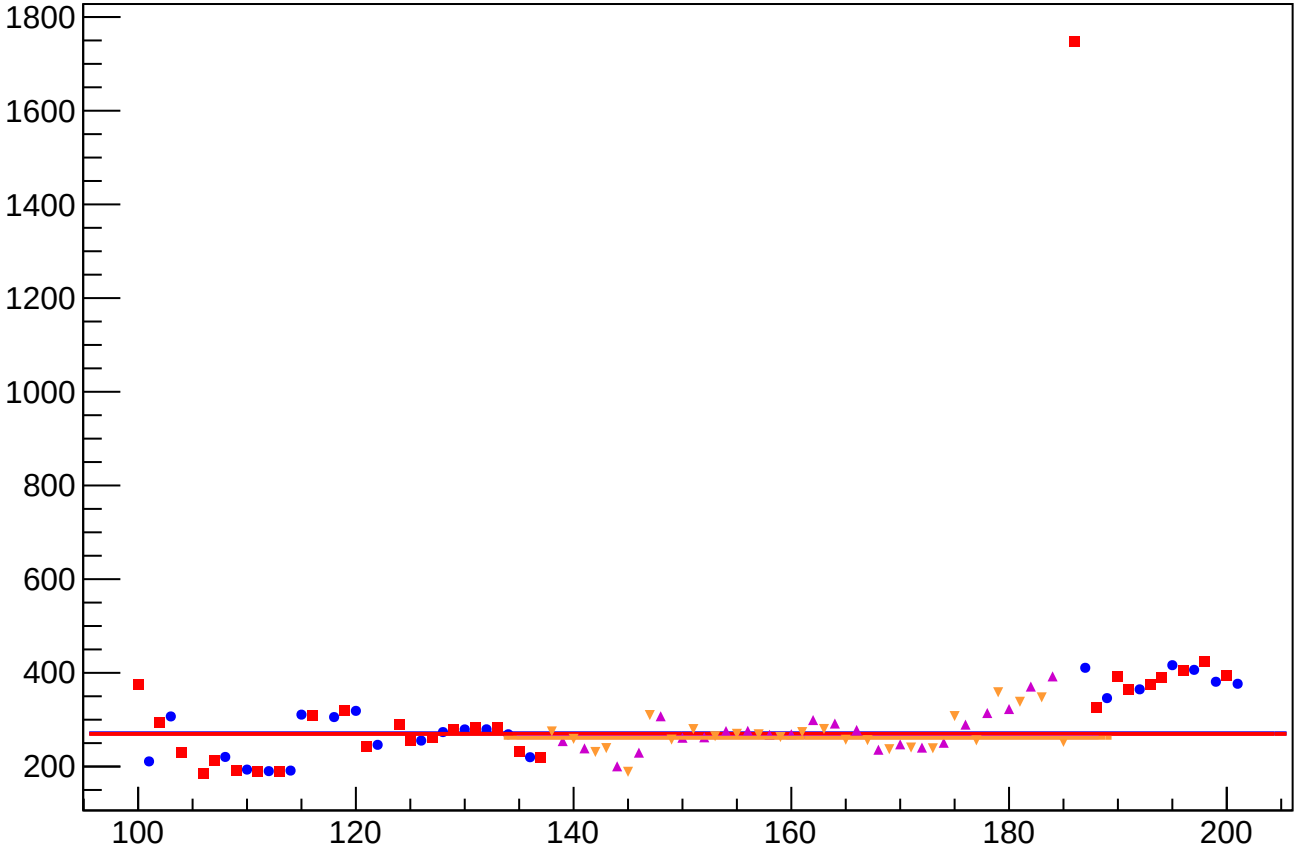
Right: 68.292+/-55.431 χ^2/NDF: 46.4/50

In: 203.026+/-49.062 χ^2/NDF:54.9/45

Out: 266.964+/-47.371 χ^2/NDF:64.0/52

All: 236.116+/-34.079 χ^2/NDF: 119.8/98

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: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

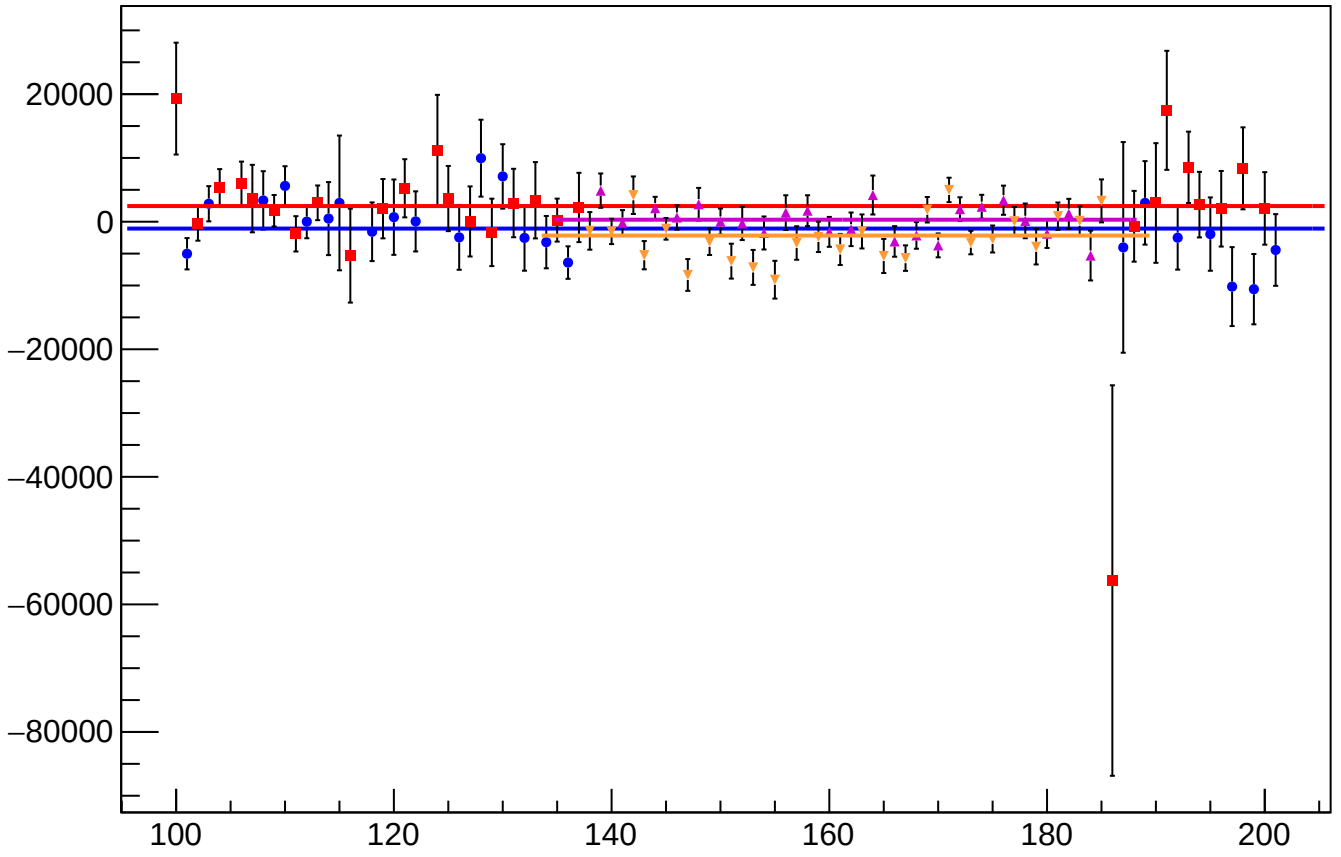
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 270.275+/-0.039 χ^2/NDF: 3927445.7/50

In: 265.740+/-0.035 χ^2/NDF:2214262.5/45

Out: 264.586+/-0.033 χ^2/NDF:3126636.6/52

All: 265.143+/-0.024 χ^2/NDF: 5341471.1/98



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: 2453.426+/-828.801 χ^2/NDF: 22.0/27

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

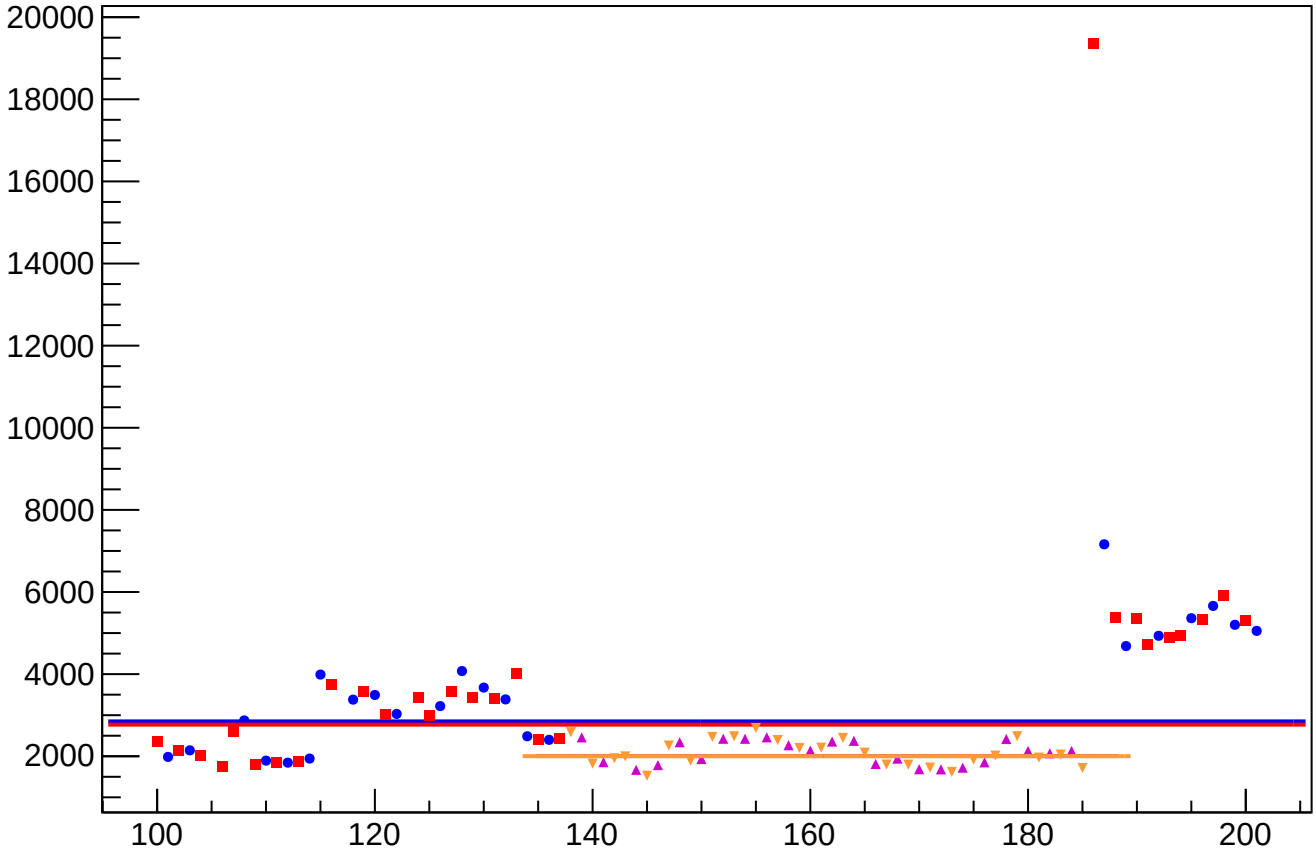
Right: 787.444+/-602.195 χ^2/NDF: 58.1/50

In: -0.753+/-416.992 χ^2/NDF:53.1/45

Out: -1076.594+/-403.305 χ^2/NDF:101.3/52

All: -556.620+/-289.898 χ^2/NDF: 157.8/98

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2848.738+/-0.620 χ^2/NDF: 3347163.0/22

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2770.076+/-0.586 χ^2/NDF: 4694122.0/27

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

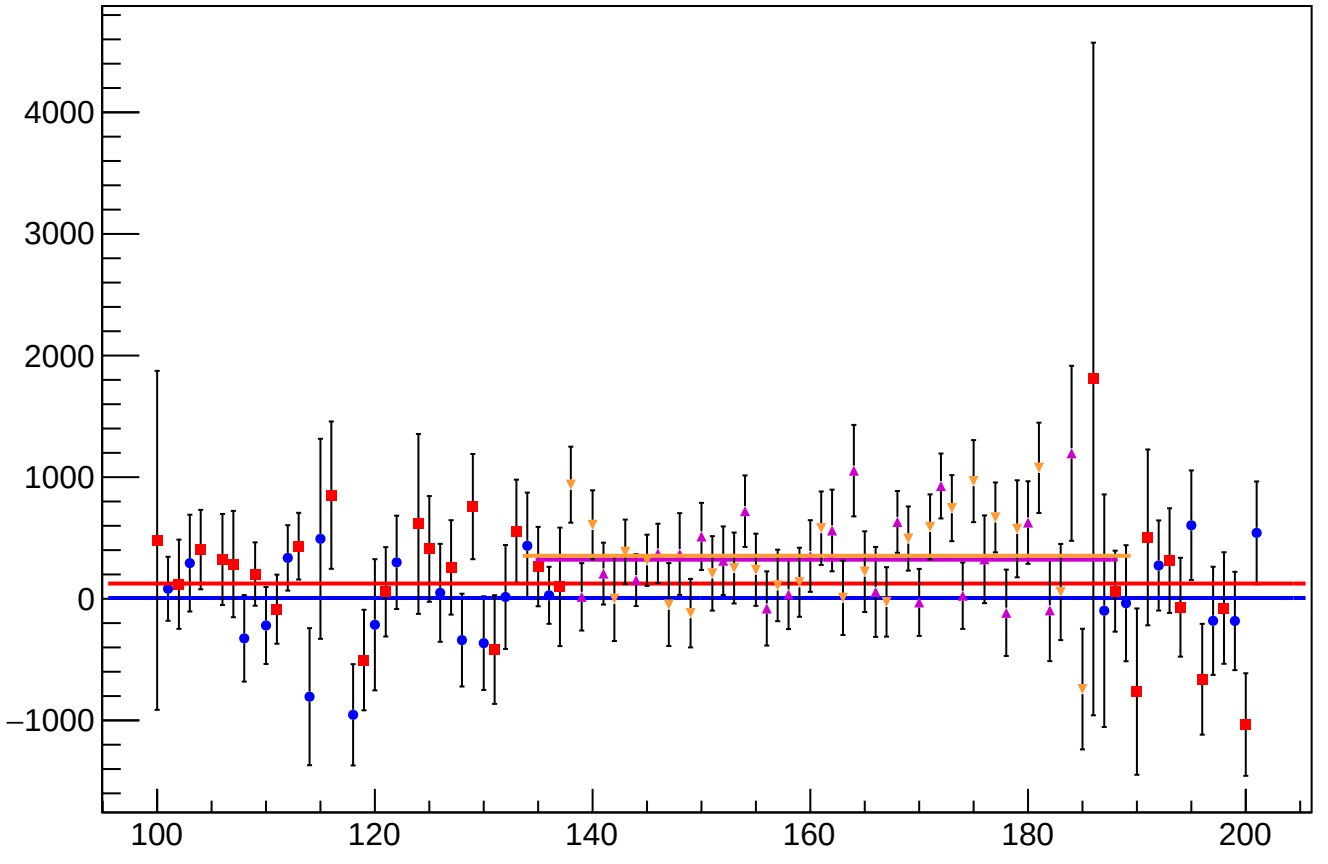
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2807.210+/-0.426 χ^2/NDF: 8049789.7/50

In: 2195.400+/-0.295 χ^2/NDF:5488560.6/45

Out: 2184.049+/-0.285 χ^2/NDF:6896983.3/52

All: 2189.535+/-0.205 χ^2/NDF: 12386309.7/9



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: 125.387+/-76.873 χ^2/NDF: 26.2/27

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

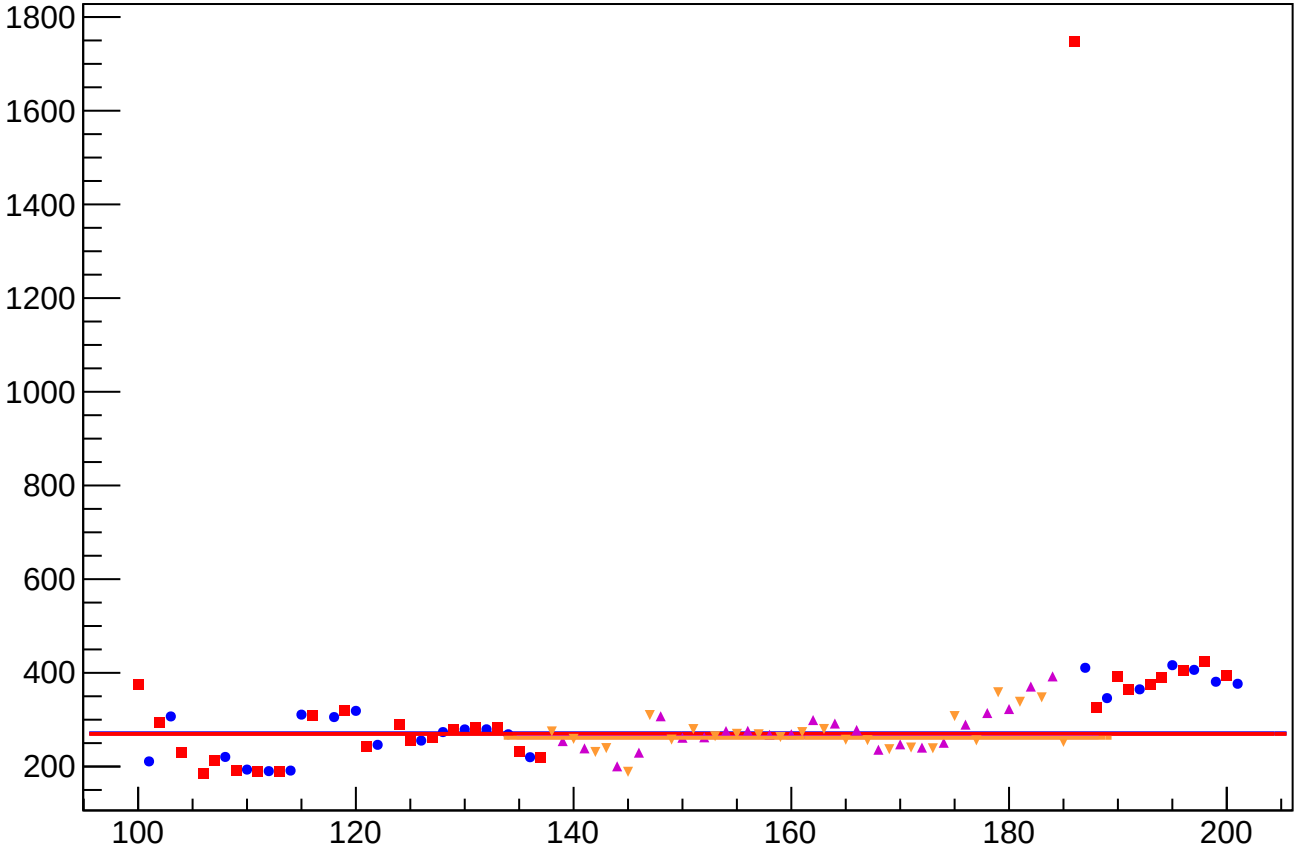
Right: 68.292+/-55.431 χ^2/NDF: 46.4/50

In: 203.026+/-49.062 χ^2/NDF:54.9/45

Out: 266.964+/-47.371 χ^2/NDF:64.0/52

All: 236.116+/-34.079 χ^2/NDF: 119.8/98

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: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

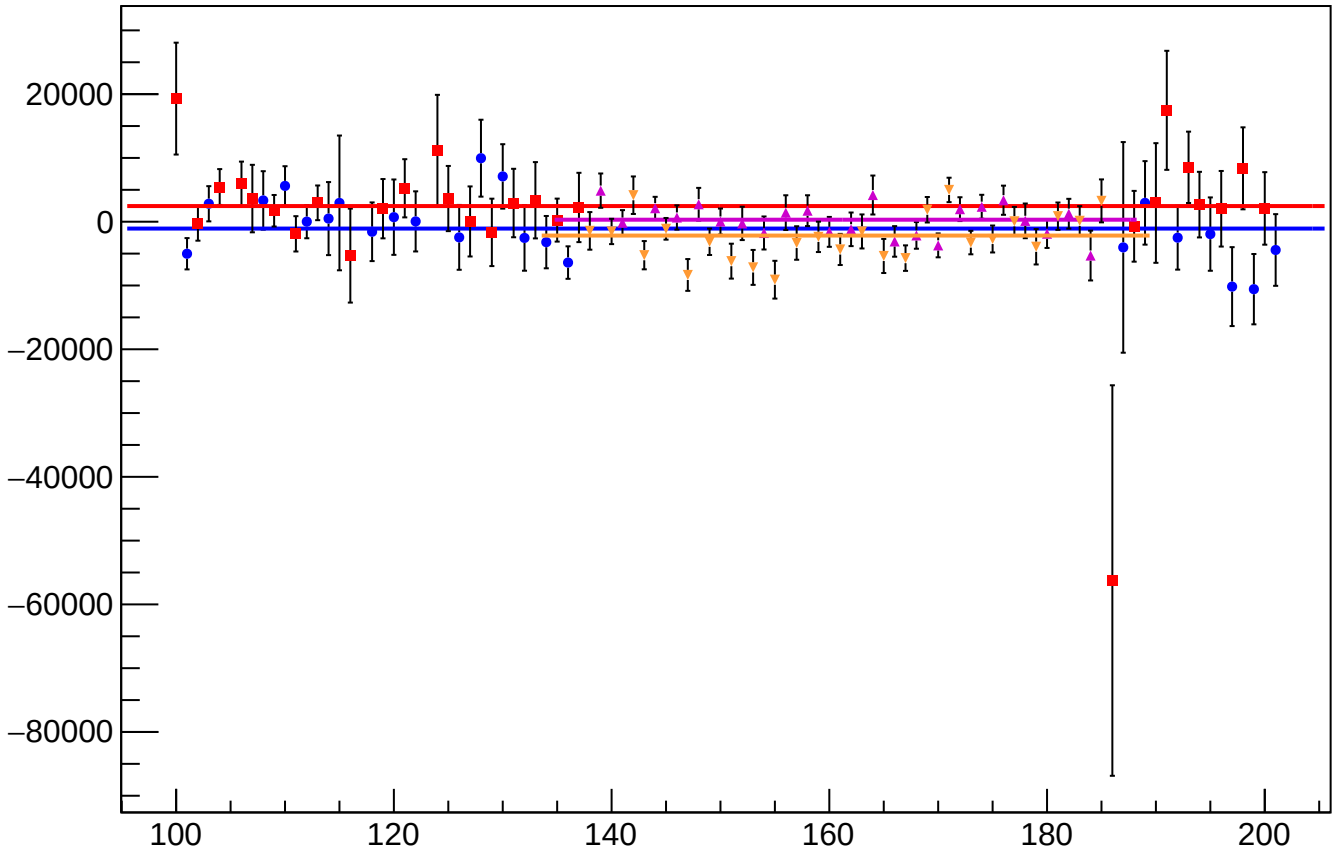
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 270.275+/-0.039 χ^2/NDF: 3927445.7/50

In: 265.740+/-0.035 χ^2/NDF:2214262.5/45

Out: 264.586+/-0.033 χ^2/NDF:3126636.6/52

All: 265.143+/-0.024 χ^2/NDF: 5341471.1/98



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: 2453.426+/-828.801 χ^2/NDF: 22.0/27

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

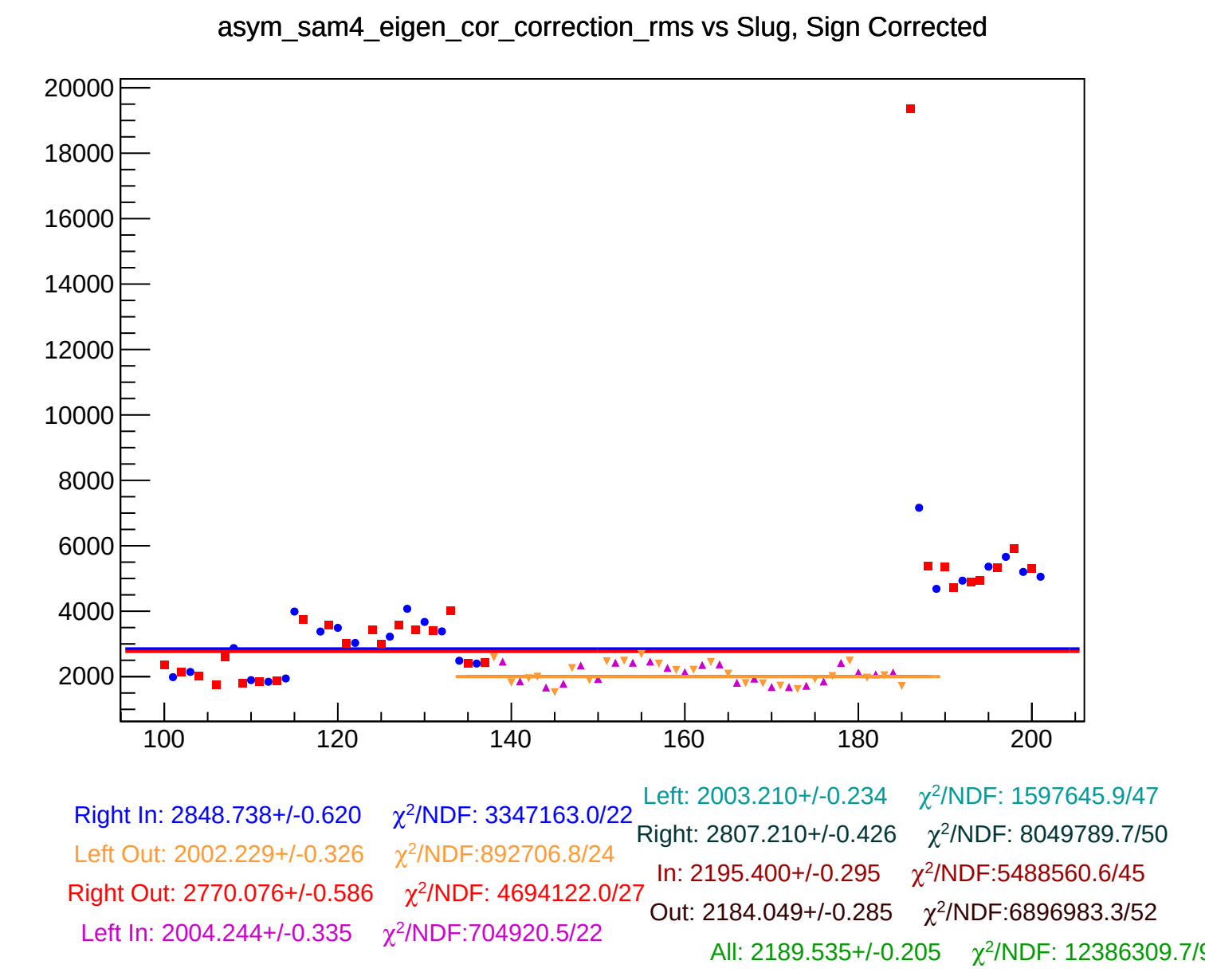
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 787.444+/-602.195 χ^2/NDF: 58.1/50

In: -0.753+/-416.992 χ^2/NDF:53.1/45

Out: -1076.594+/-403.305 χ^2/NDF:101.3/52

All: -556.620+/-289.898 χ^2/NDF: 157.8/98


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
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160
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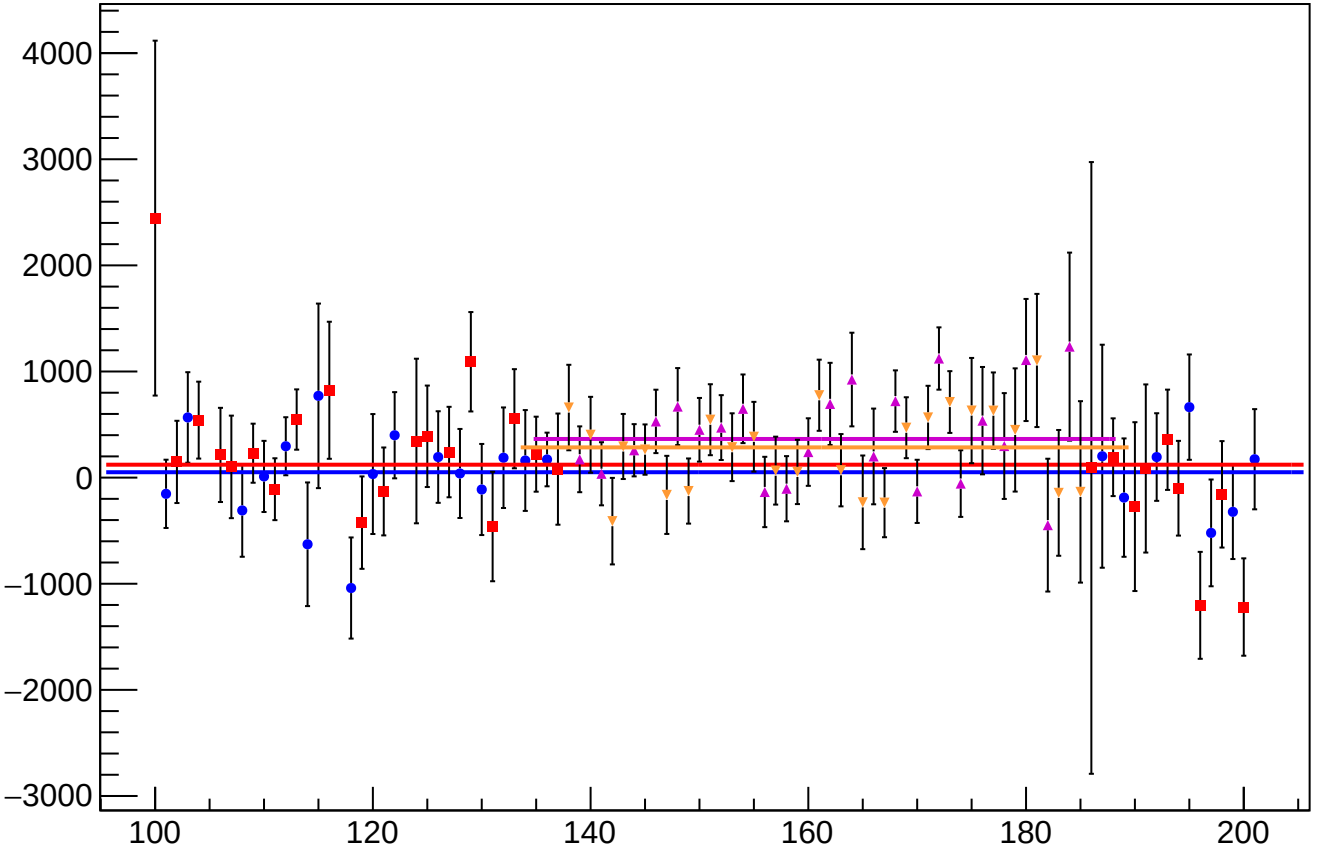
Right In: 2848.738+/-0.620 χ²/NDF: 3347163.0/22
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2770.076+/-0.586 χ²/NDF: 4694122.0/27
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2807.210+/-0.426 χ²/NDF: 8049789.7/50
In: 2195.400+/-0.295 χ²/NDF:5488560.6/45
Out: 2184.049+/-0.285 χ²/NDF:6896983.3/52
All: 2189.535+/-0.205 χ²/NDF: 12386309.7/9

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: 121.736+/-83.458 χ^2/NDF: 33.0/27

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

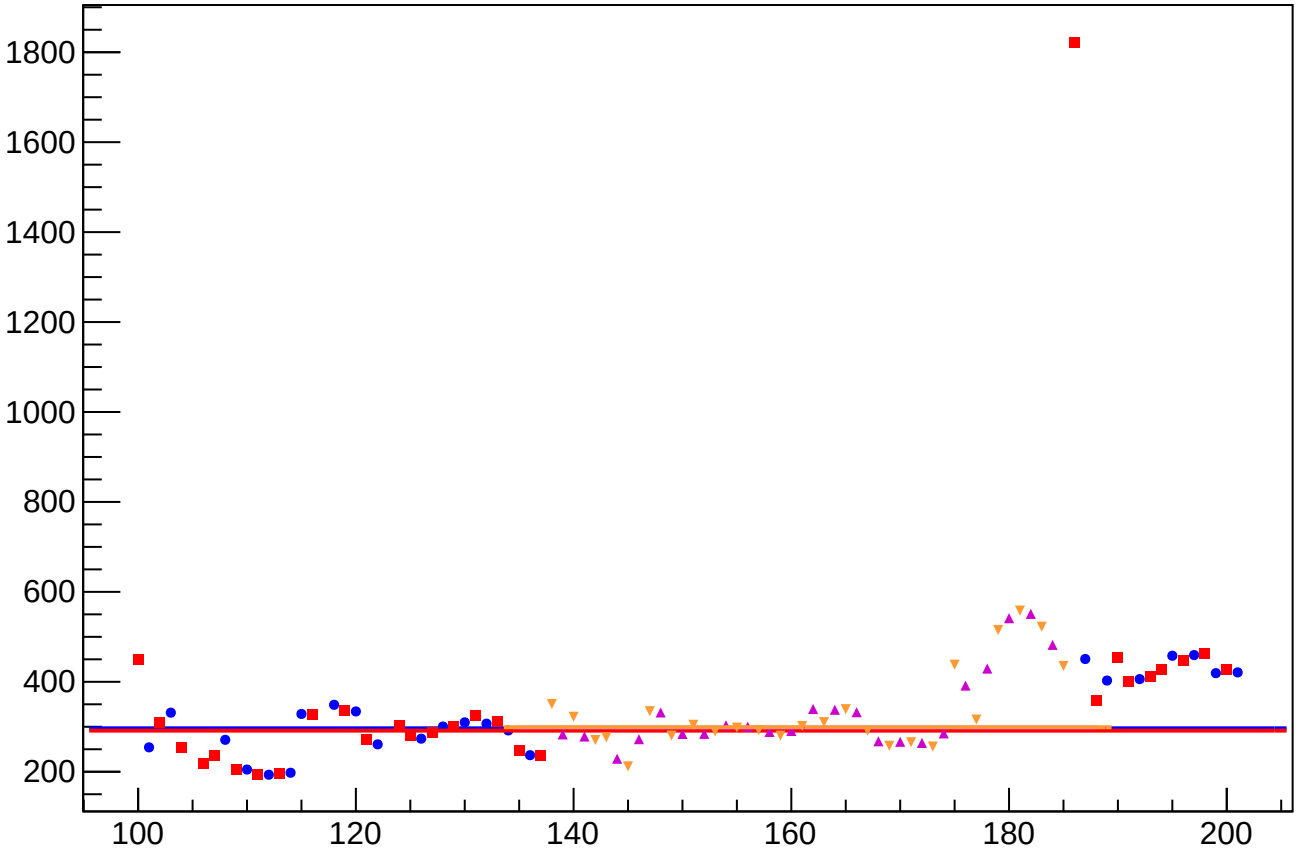
Right: 88.177+/-60.559 χ^2/NDF: 49.3/50

In: 239.147+/-55.594 χ^2/NDF:51.7/45

Out: 217.484+/-53.649 χ^2/NDF:58.1/52

All: 227.930+/-38.605 χ^2/NDF: 109.9/98

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: 291.484+/-0.059 χ^2/NDF: 2540355.8/27

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

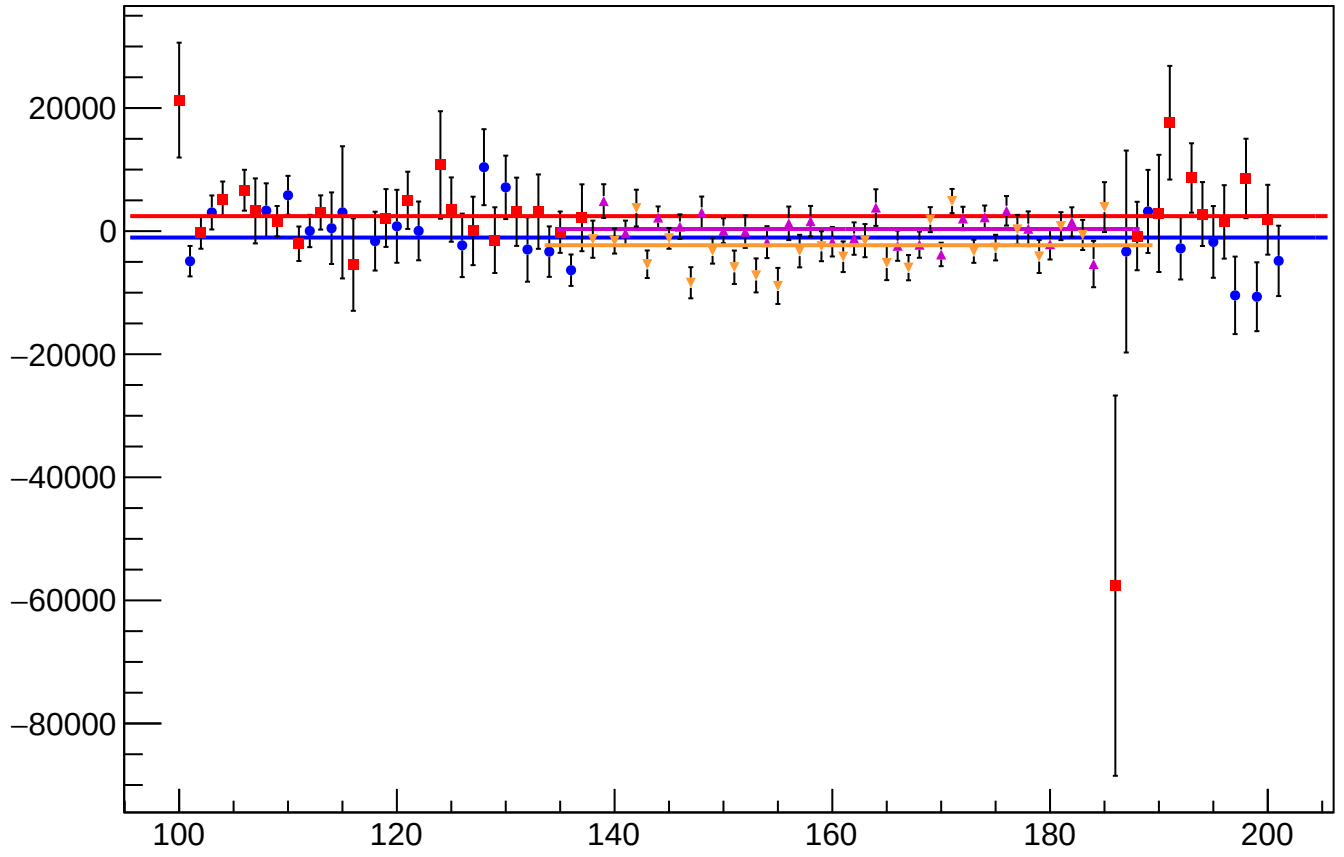
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 293.882+/-0.043 χ^2/NDF: 4230539.9/50

In: 297.351+/-0.039 χ^2/NDF:3006038.4/45

Out: 295.858+/-0.038 χ^2/NDF:4162793.7/52

All: 296.578+/-0.027 χ^2/NDF: 7169579.5/98



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: 2436.219+/-833.522 χ^2/NDF: 23.0/27

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

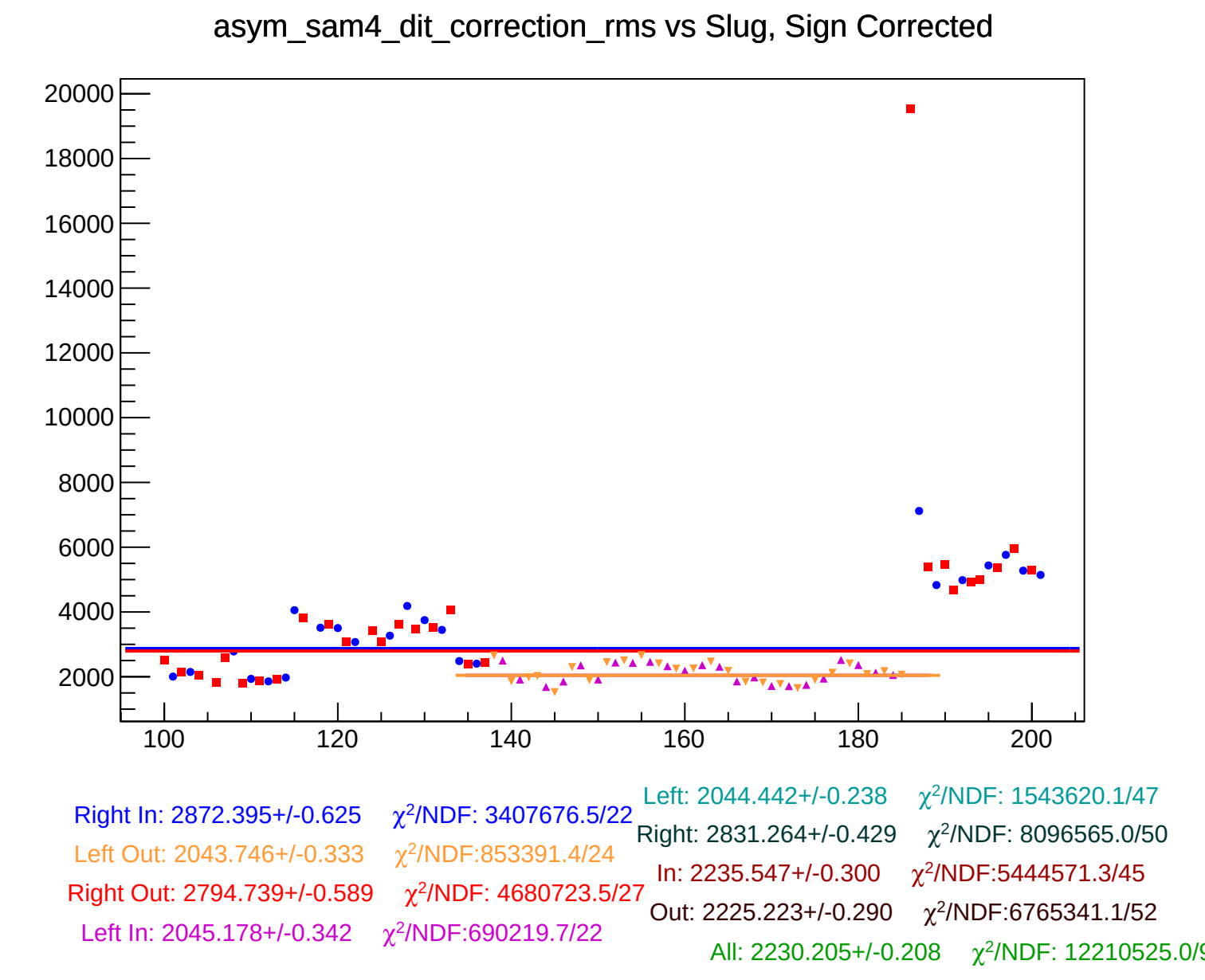
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 799.577+/-606.620 χ^2/NDF: 59.0/50

In: 23.623+/-424.325 χ^2/NDF:52.5/45

Out: -1148.660+/-409.742 χ^2/NDF:99.1/52

All: -583.009+/-294.752 χ^2/NDF: 155.6/98


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
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12000
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2000
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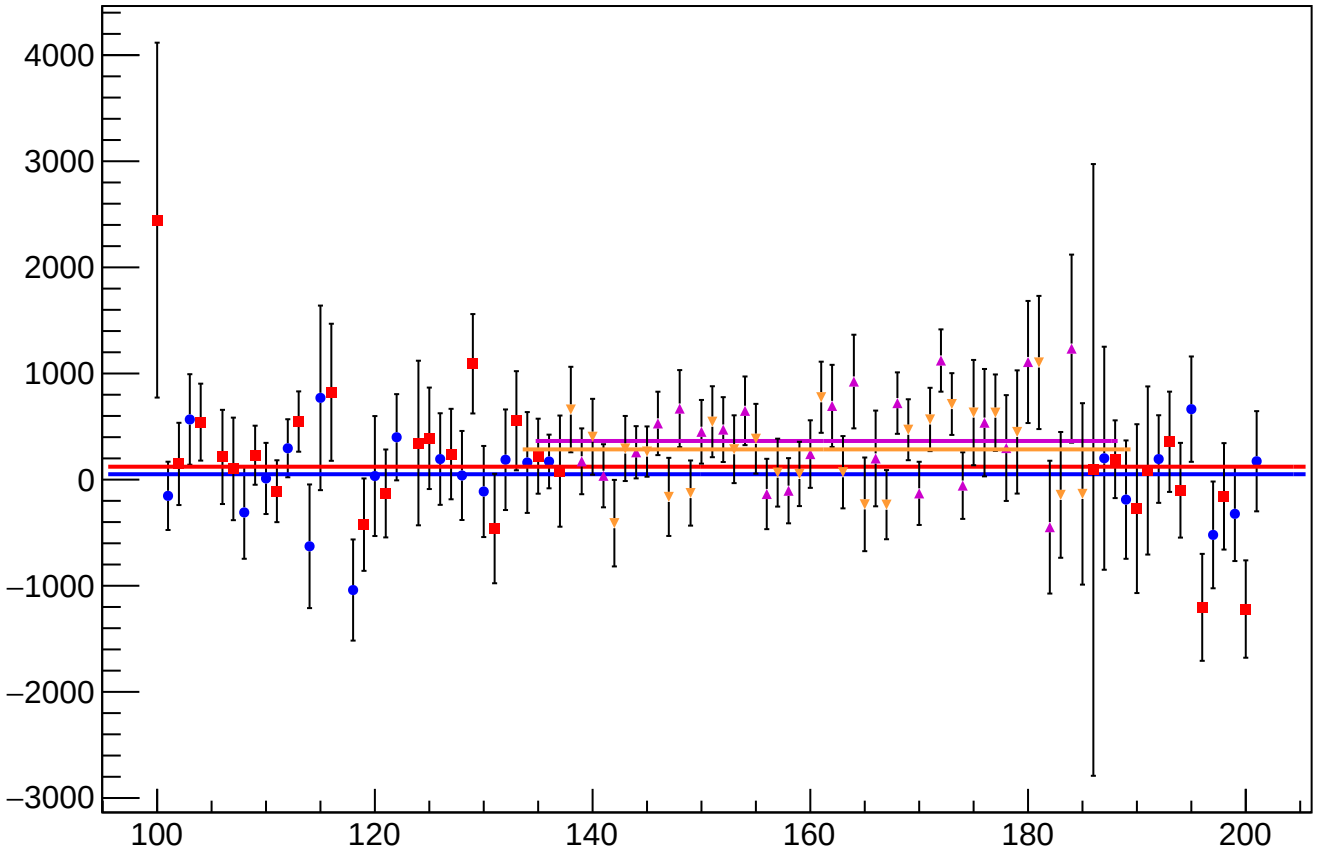
120
140
160
180
200
Right In: 2872.395+/-0.625 χ²/NDF: 3407676.5/22
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2794.739+/-0.589 χ²/NDF: 4680723.5/27
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2831.264+/-0.429 χ²/NDF: 8096565.0/50
In: 2235.547+/-0.300 χ²/NDF:5444571.3/45
Out: 2225.223+/-0.290 χ²/NDF:6765341.1/52
All: 2230.205+/-0.208 χ²/NDF: 12210525.0/9



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: 121.736+/-83.458 χ^2/NDF: 33.0/27

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

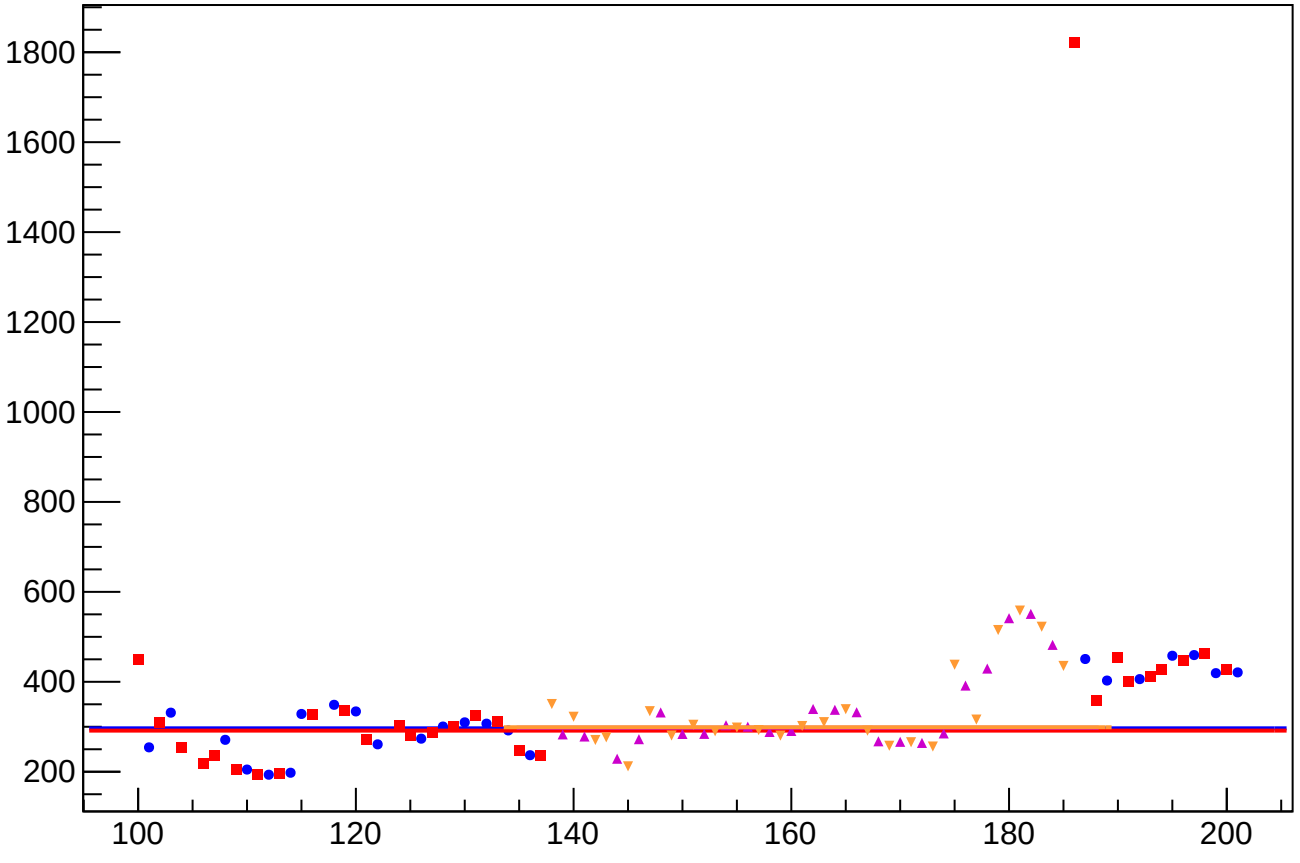
Right: 88.178+/-60.559 χ^2/NDF: 49.3/50

In: 239.149+/-55.594 χ^2/NDF:51.7/45

Out: 217.487+/-53.649 χ^2/NDF:58.1/52

All: 227.932+/-38.605 χ^2/NDF: 109.9/98

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: 291.484+/-0.059 χ^2/NDF: 2540357.6/27

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

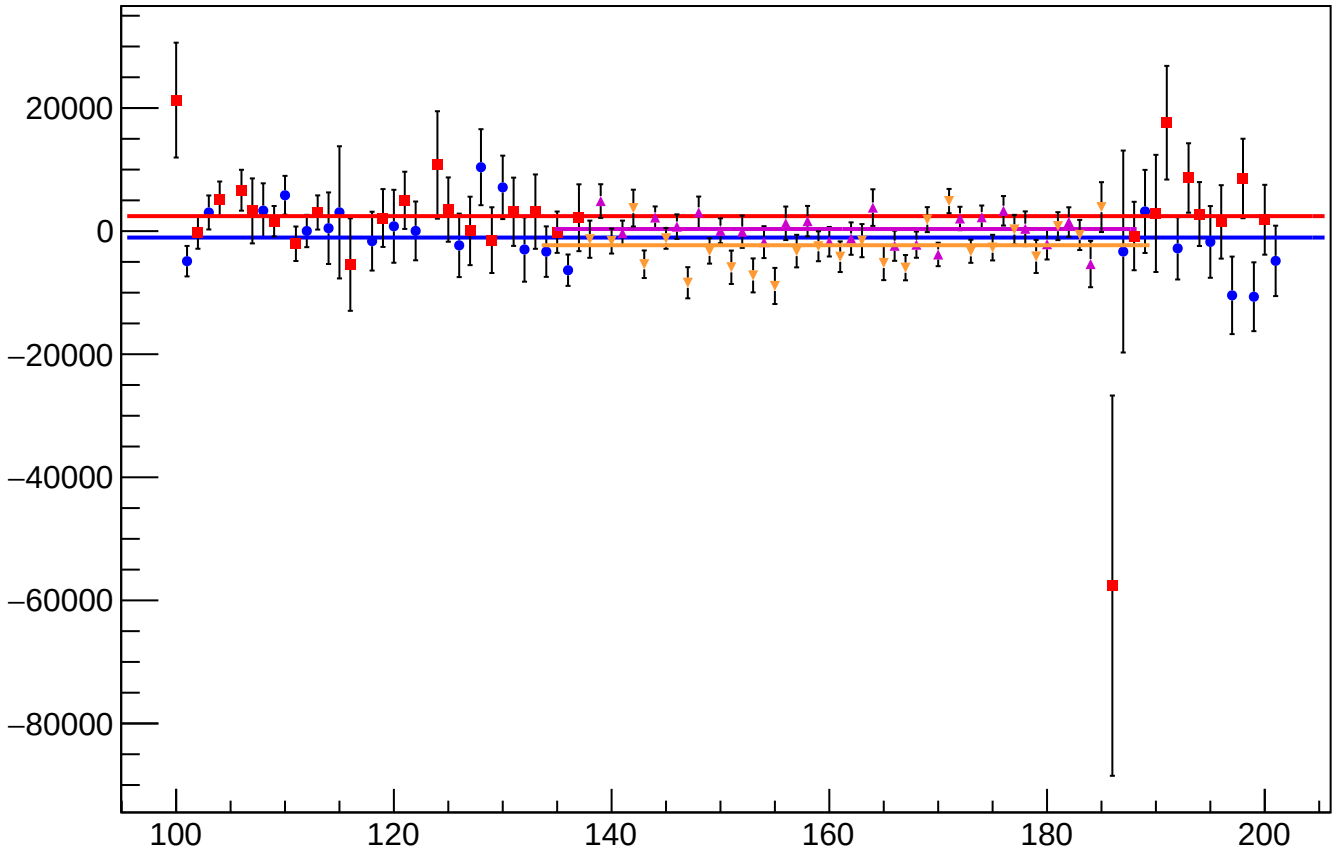
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 293.882+/-0.043 χ^2/NDF: 4230532.0/50

In: 297.352+/-0.039 χ^2/NDF:3006010.6/45

Out: 295.858+/-0.038 χ^2/NDF:4162793.4/52

All: 296.578+/-0.027 χ^2/NDF: 7169551.4/98



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: 2436.217+/-833.521 χ^2/NDF: 23.0/27

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

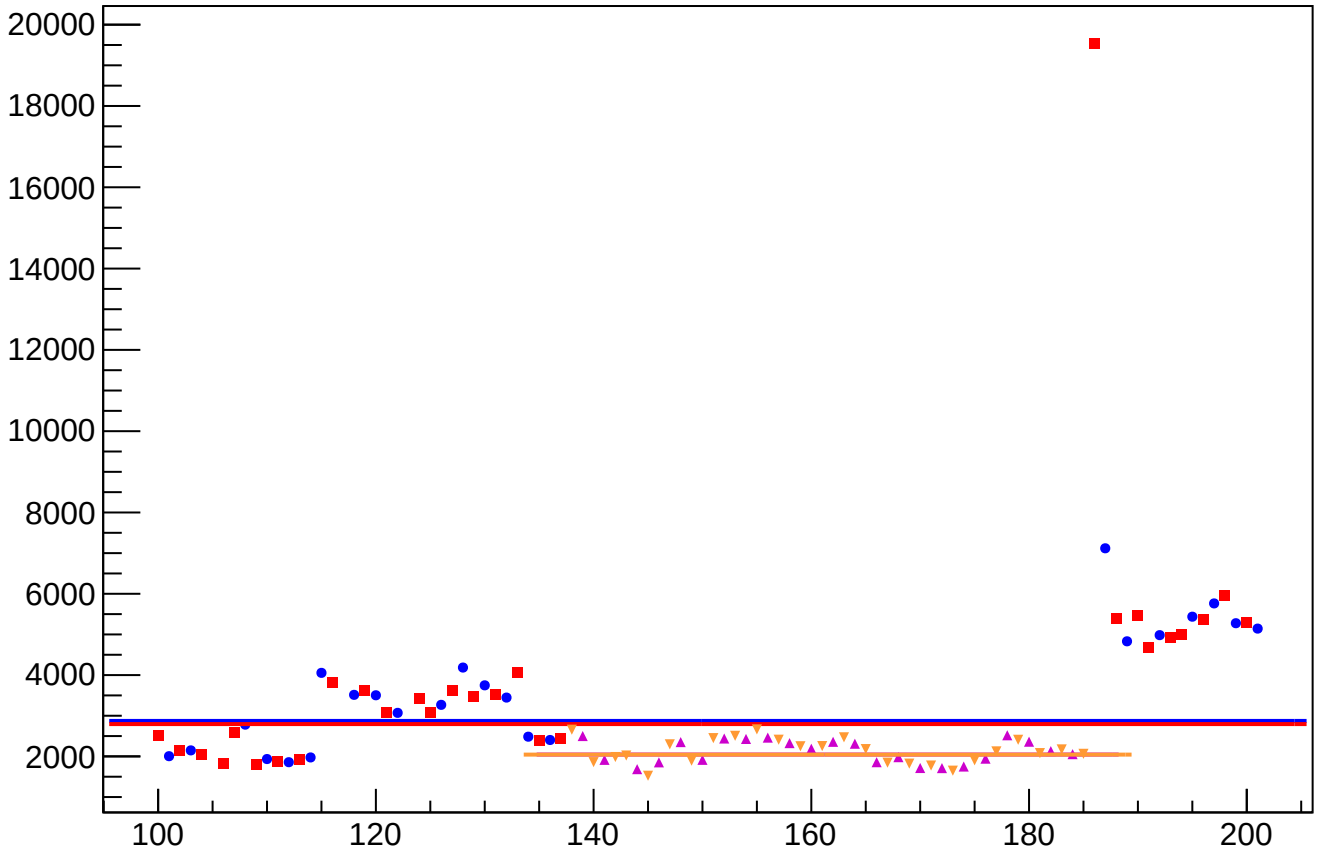
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 799.576+/-606.619 χ^2/NDF: 59.0/50

In: 23.622+/-424.325 χ^2/NDF:52.5/45

Out: -1148.658+/-409.742 χ^2/NDF:99.1/52

All: -583.009+/-294.752 χ^2/NDF: 155.6/98


asym_sam4_eigen_dit_correction_rms vs Slug, Sign Corrected
20000
18000
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160
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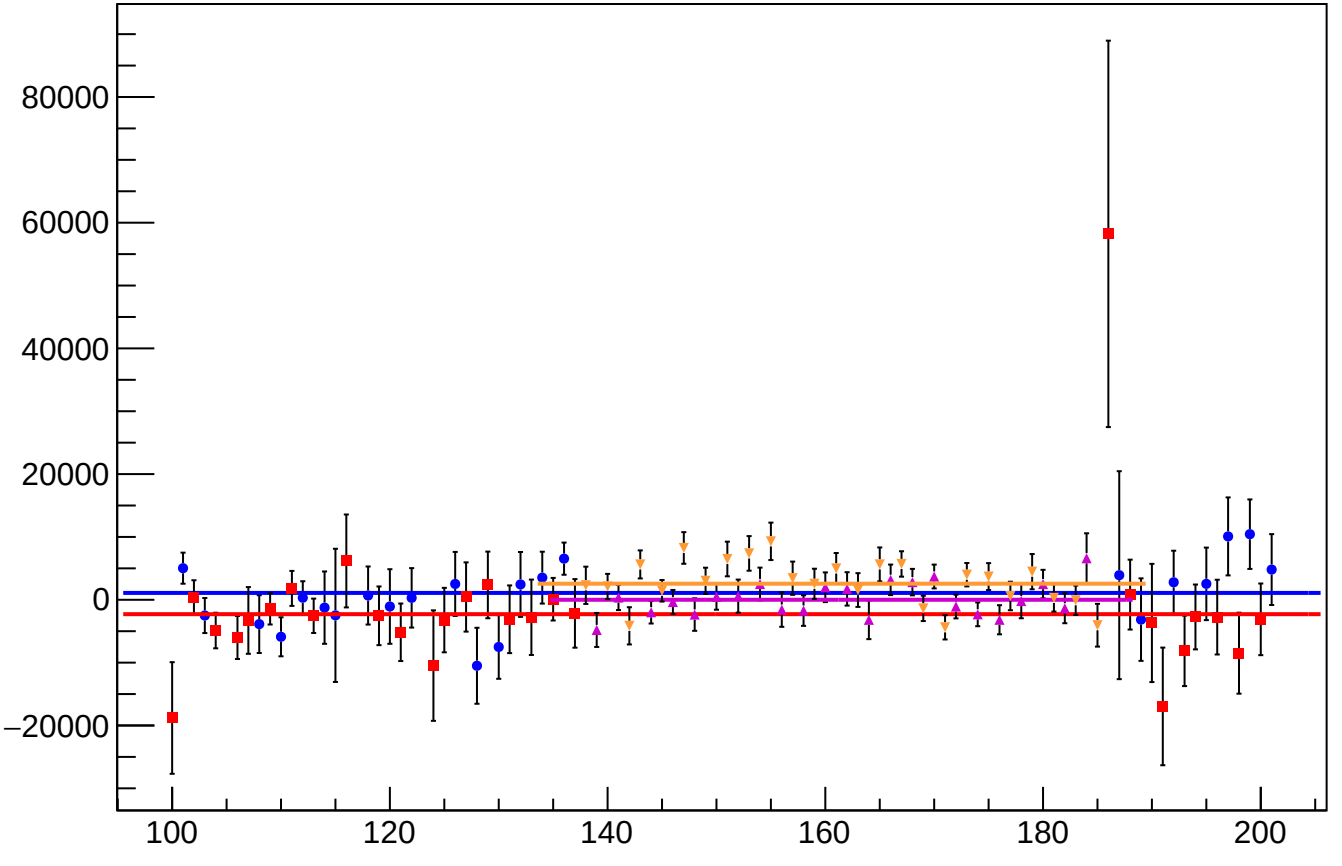
Right In: 2872.393+/-0.625 χ²/NDF: 3407675.8/22
Left Out: 2043.742+/-0.333 χ²/NDF:853393.7/24
Right Out: 2794.737+/-0.589 χ²/NDF: 4680719.8/27
Left In: 2045.175+/-0.342 χ²/NDF:690218.2/22
Left: 2044.439+/-0.238 χ²/NDF: 1543620.9/47
Right: 2831.262+/-0.429 χ²/NDF: 8096560.6/50
In: 2235.544+/-0.300 χ²/NDF:5444574.5/45
Out: 2225.220+/-0.290 χ²/NDF:6765345.7/52
All: 2230.202+/-0.208 χ²/NDF: 12210532.9/9

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: -2289.987+/-832.181 χ^2/NDF: 21.7/27

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

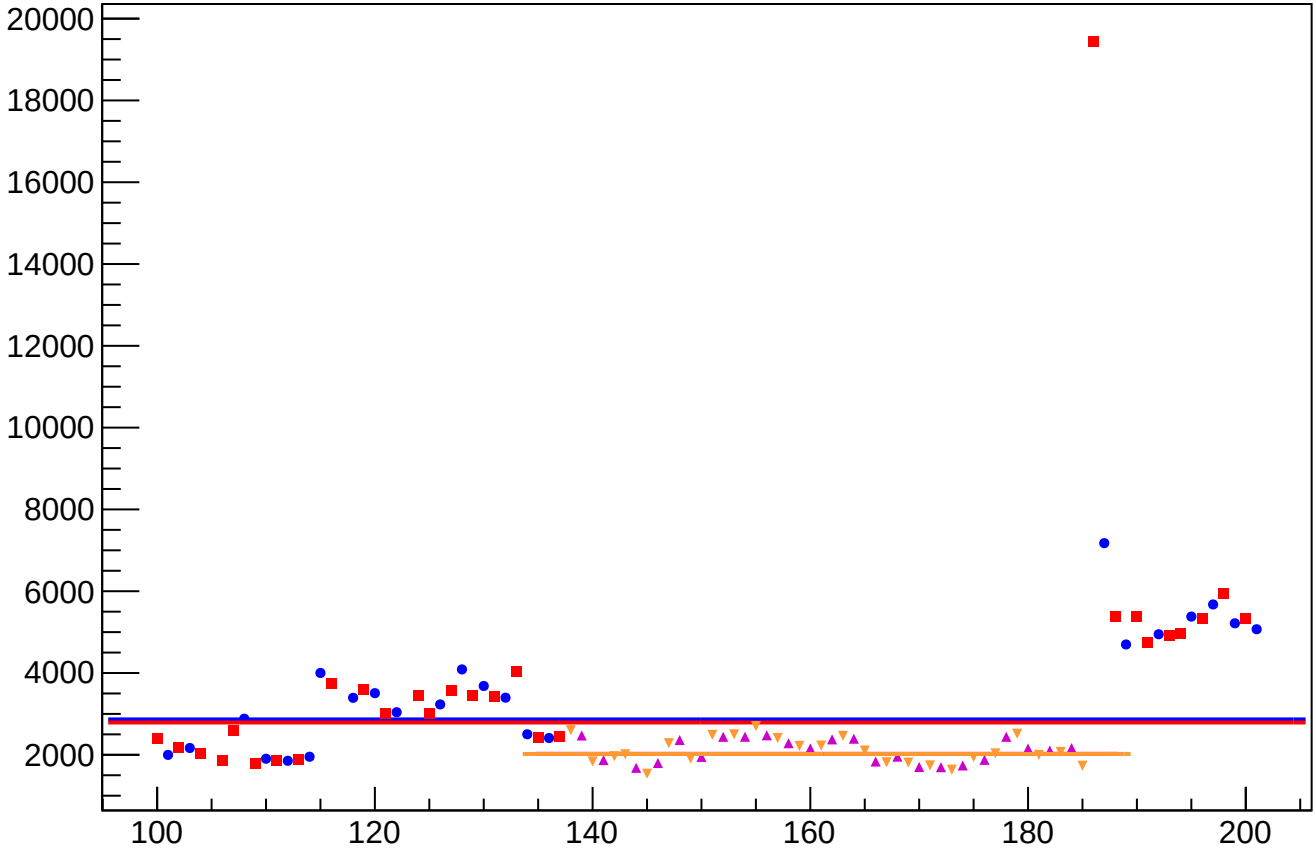
Right: -694.753+/-604.968 χ^2/NDF: 58.0/50

In: 251.711+/-420.494 χ^2/NDF:54.4/45

Out: 1401.714+/-406.555 χ^2/NDF:100.2/52

All: 846.088+/-292.281 χ^2/NDF: 158.5/98

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: 2790.512+/-0.588 χ^2/NDF: 4637664.0/27

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

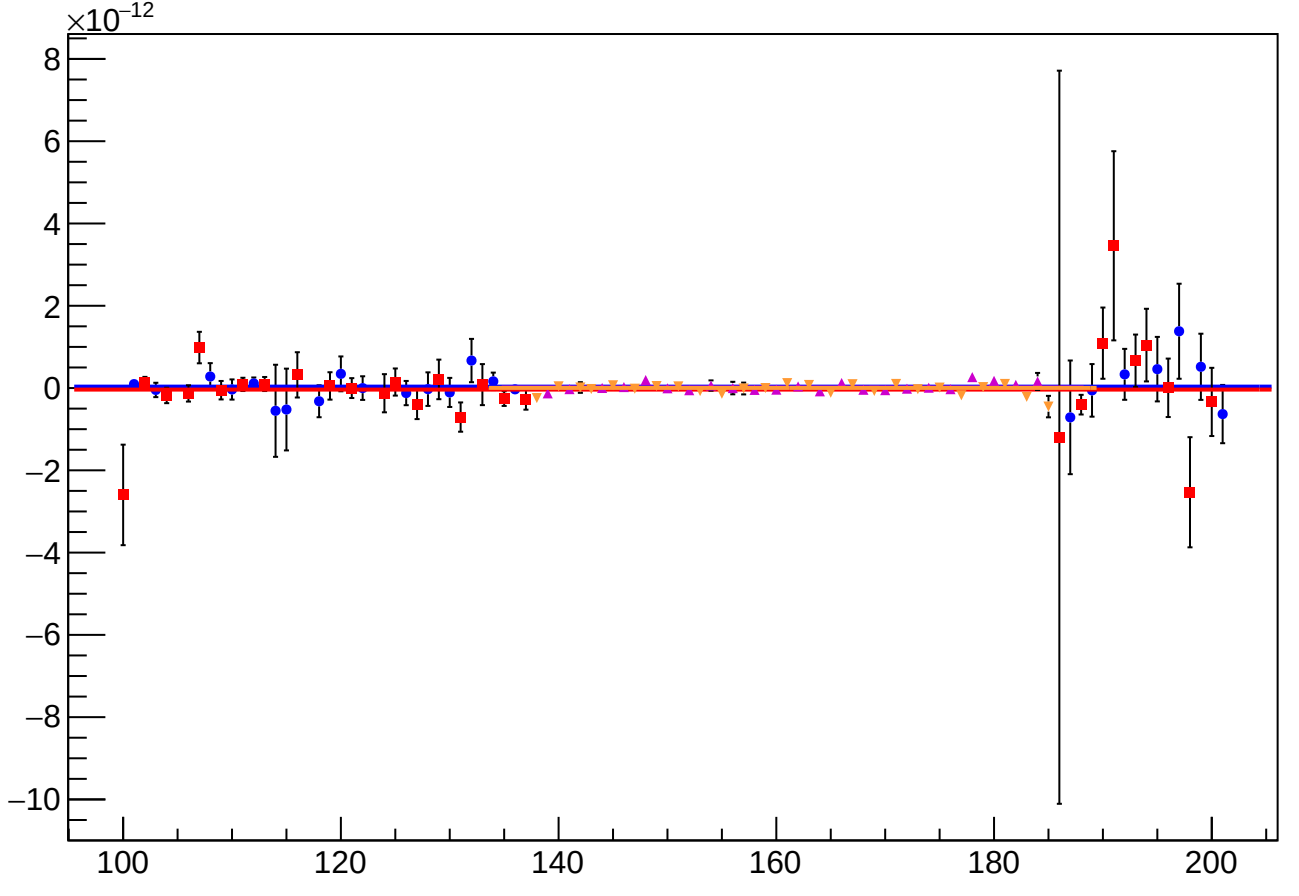
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2825.700+/-0.428 χ^2/NDF: 7969570.4/50

In: 2215.058+/-0.297 χ^2/NDF:5430543.1/45

Out: 2204.864+/-0.287 χ^2/NDF:6820089.6/52

All: 2209.789+/-0.207 χ^2/NDF: 12251240.2/9



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: 35.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

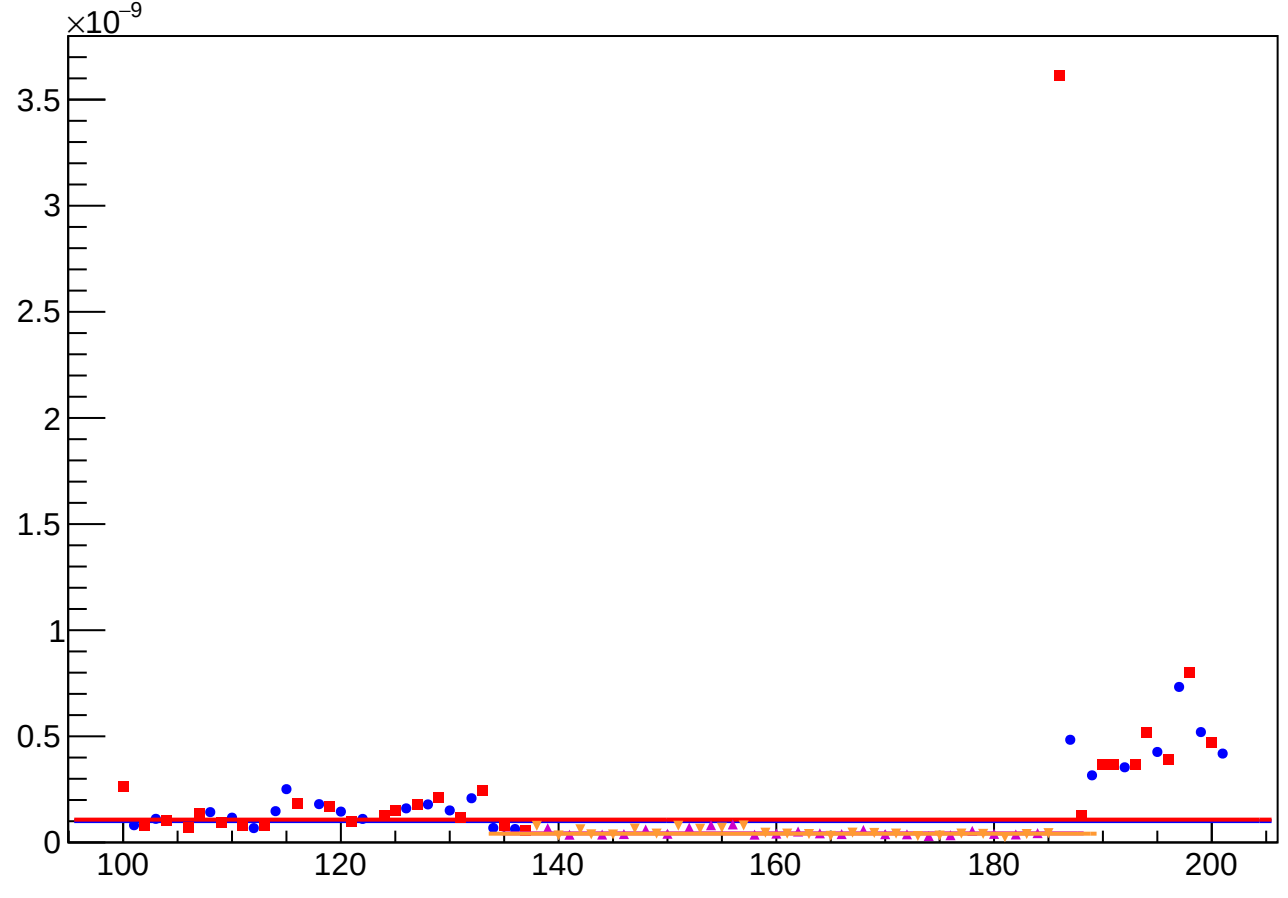
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/50

In: 0.000+/-0.000 χ^2/NDF:30.6/45

Out: 0.000+/-0.000 χ^2/NDF:68.5/52

All: 0.000+/-0.000 χ^2/NDF: 99.5/98



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: 3448331.3/27

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

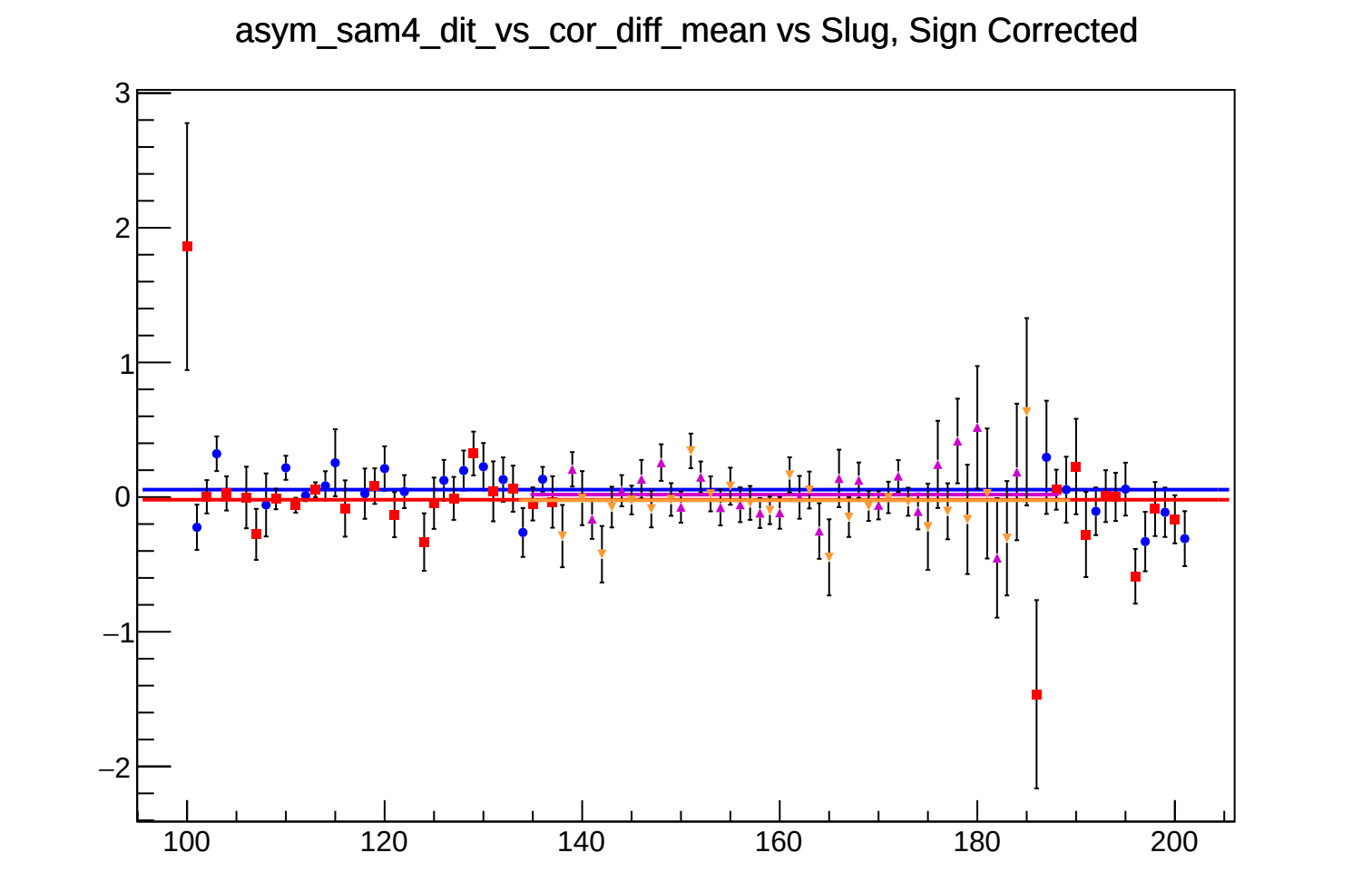
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7075802.0/50

In: 0.000+/-0.000 χ^2/NDF:6787110.8/45

Out: 0.000+/-0.000 χ^2/NDF:7480226.2/52

All: 0.000+/-0.000 χ^2/NDF: 14282255.0/98



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: -0.020+/-0.025 χ^2/NDF: 31.0/27

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

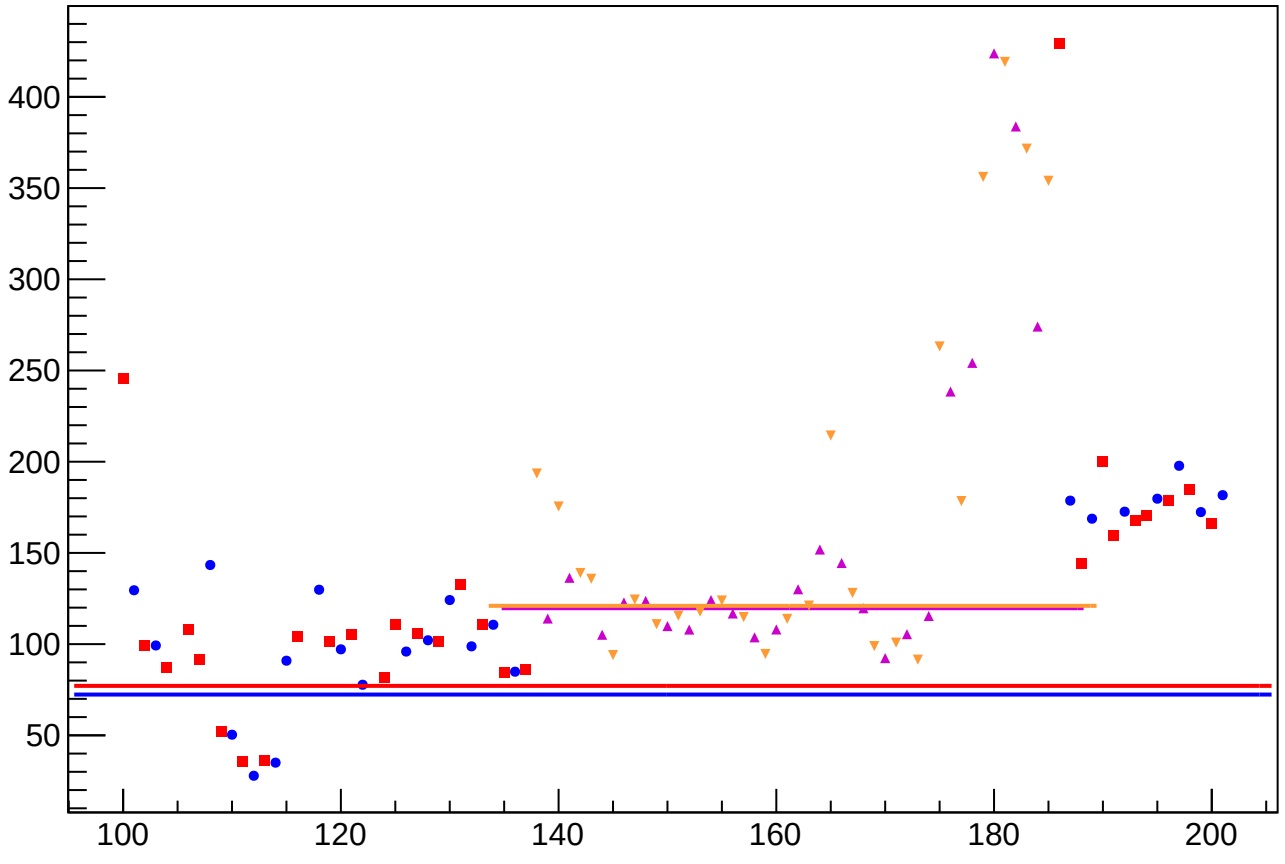
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.017+/-0.018 χ^2/NDF: 63.0/50

In: 0.040+/-0.020 χ^2/NDF:51.5/45

Out: -0.021+/-0.019 χ^2/NDF:53.2/52

All: 0.009+/-0.014 χ^2/NDF: 109.8/98



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: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

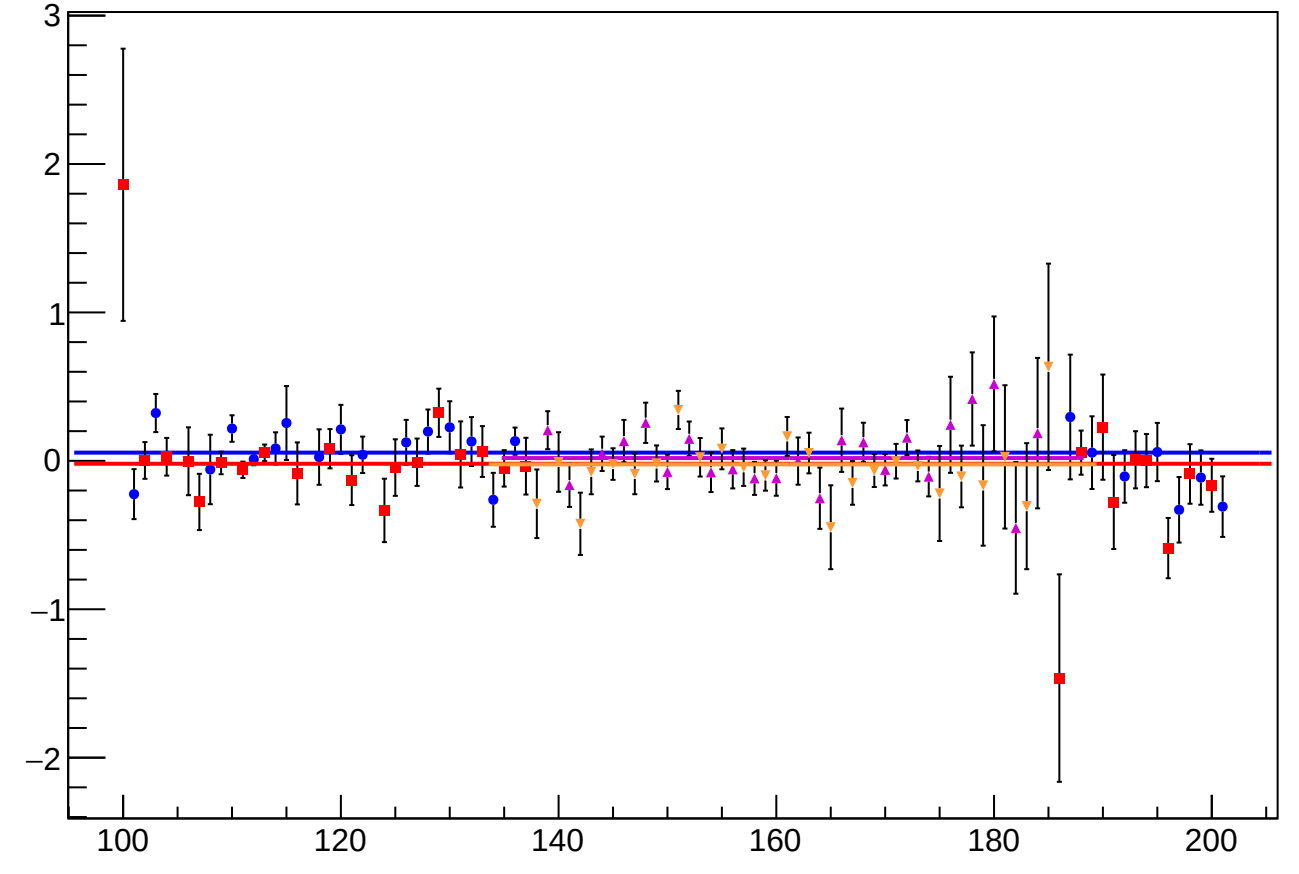
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 74.787+/-0.013 χ^2/NDF: 14474540.0/50

In: 92.128+/-0.014 χ^2/NDF:13117261.3/45

Out: 95.217+/-0.014 χ^2/NDF:13640493.7/52

All: 93.699+/-0.010 χ^2/NDF: 26783175.0/98



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: -0.020+/-0.025 χ^2/NDF: 31.0/27

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

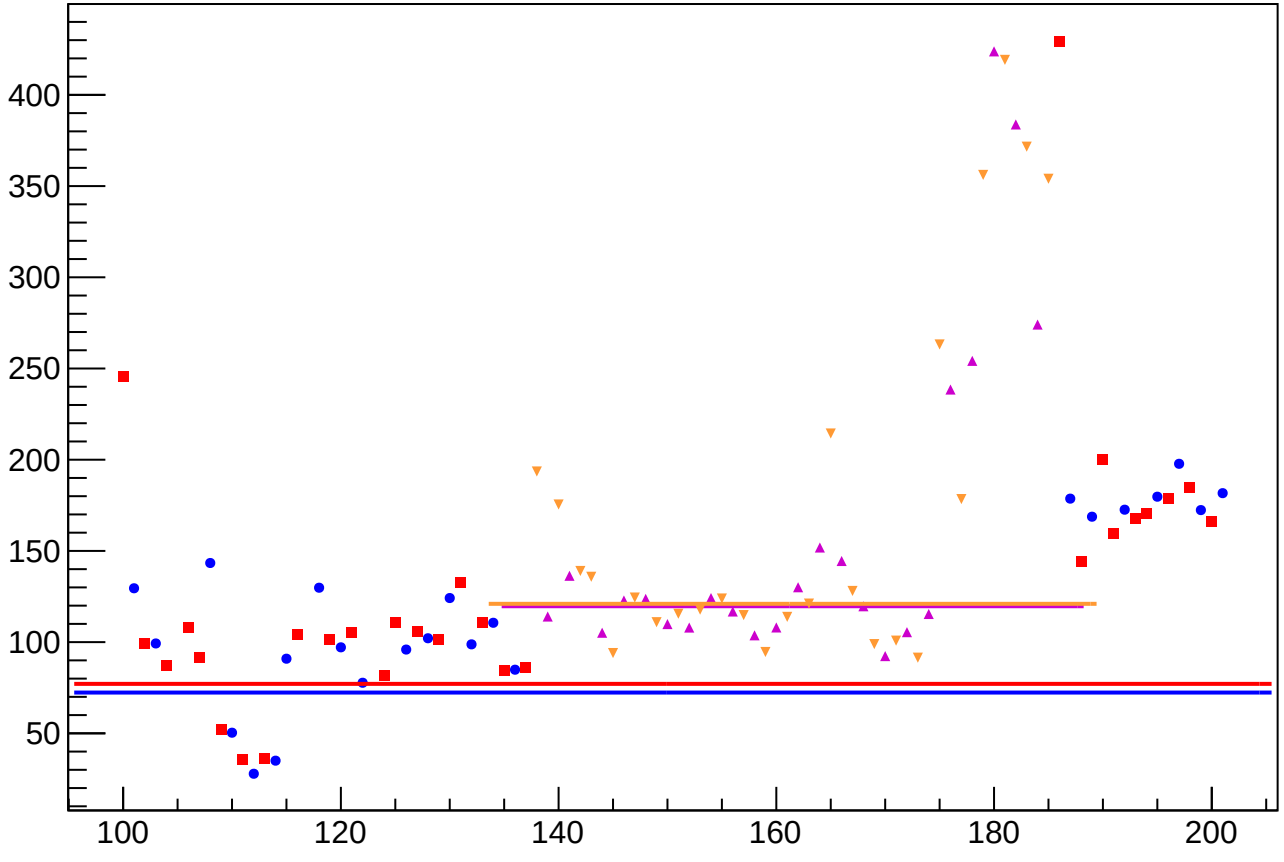
Right: 0.017+/-0.018 χ^2/NDF: 63.0/50

In: 0.040+/-0.020 χ^2/NDF:51.5/45

Out: -0.021+/-0.019 χ^2/NDF:53.2/52

All: 0.009+/-0.014 χ^2/NDF: 109.8/98

asym_sam4_dit_vs_eigen_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: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

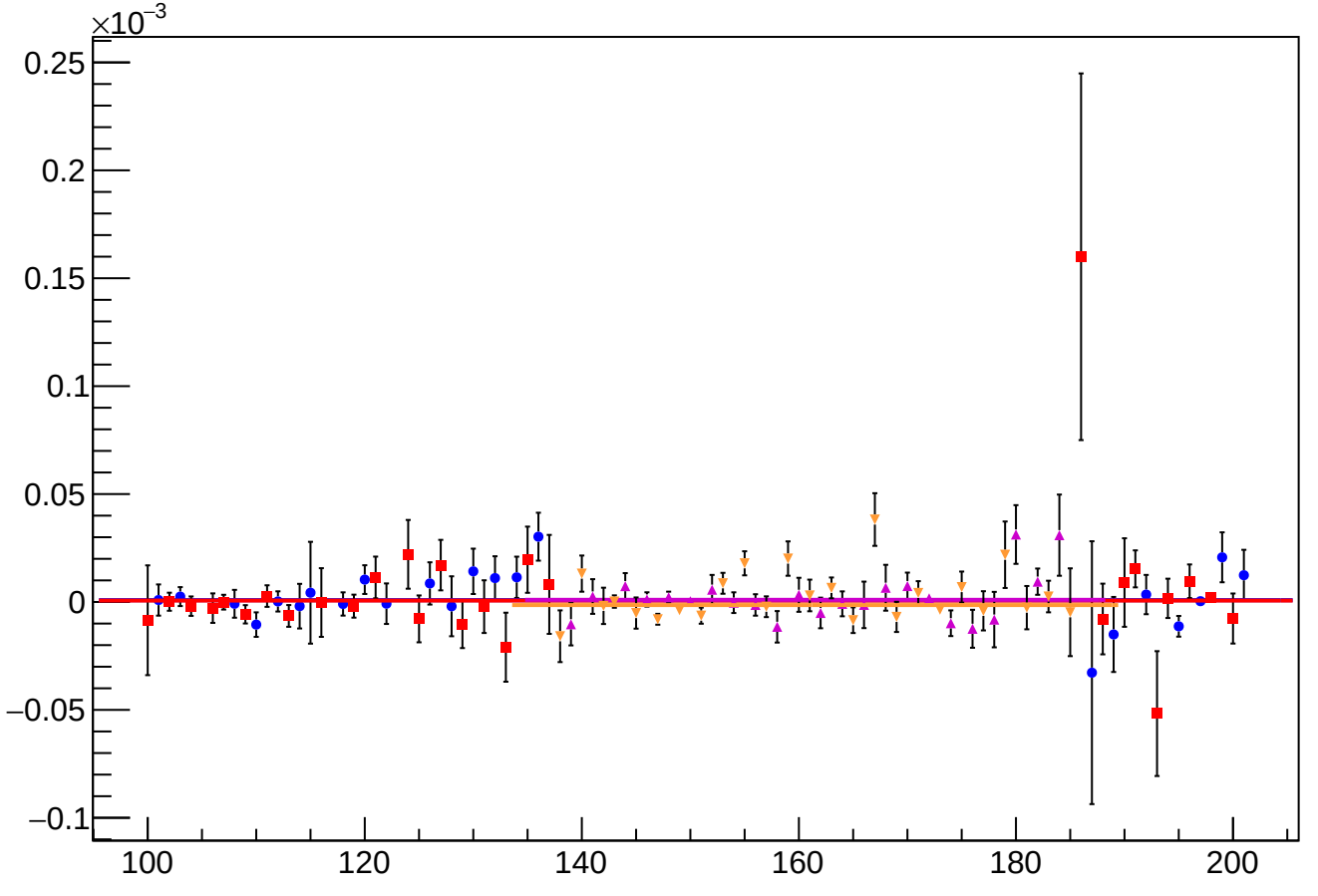
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 74.787+/-0.013 χ^2/NDF: 14474540.0/50

In: 92.128+/-0.014 χ^2/NDF:13117261.3/45

Out: 95.217+/-0.014 χ^2/NDF:13640493.7/52

All: 93.699+/-0.010 χ^2/NDF: 26783175.0/98



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: 28.5/27

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

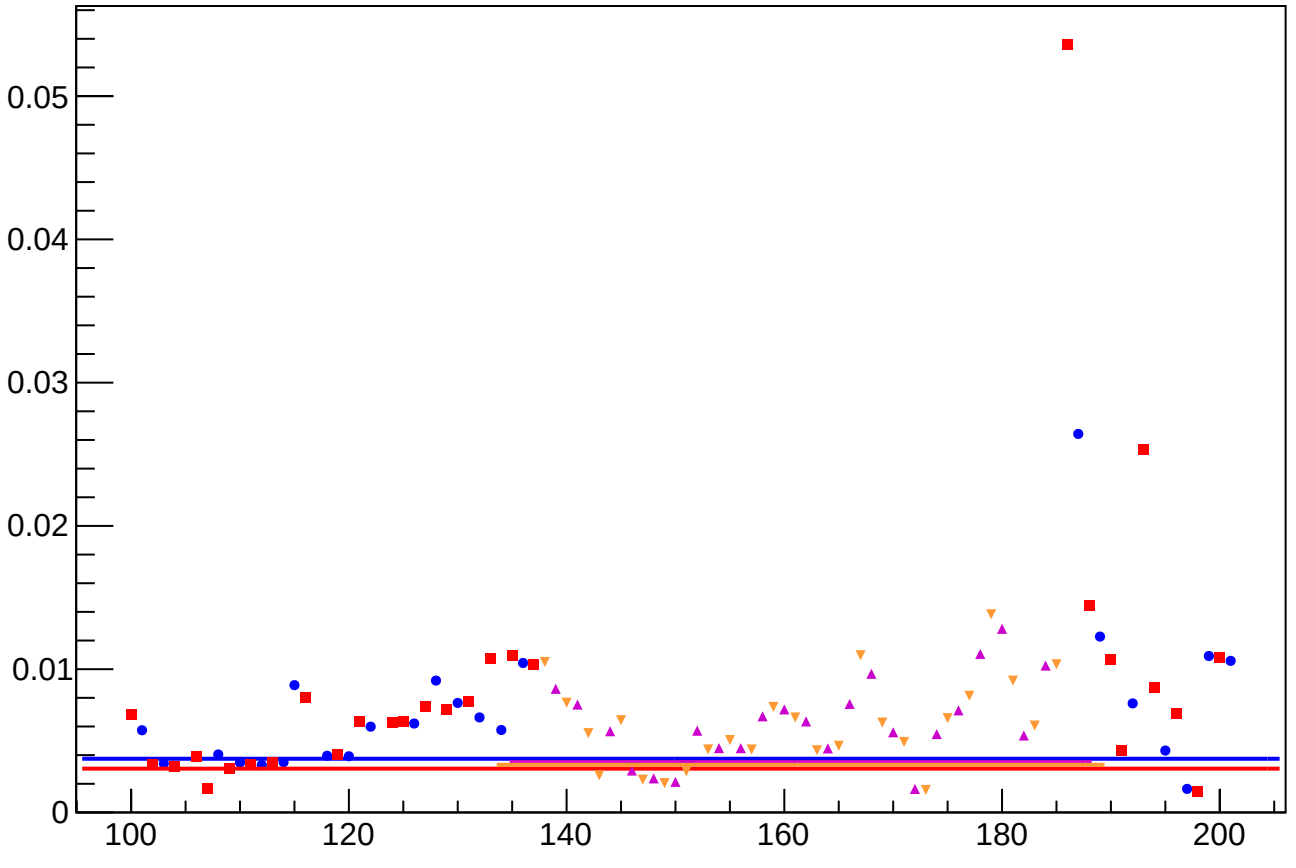
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 58.1/50

In: 0.000+/-0.000 χ^2/NDF:54.1/45

Out: -0.000+/-0.000 χ^2/NDF:91.1/52

All: 0.000+/-0.000 χ^2/NDF: 147.3/98



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: 10407961.6/27

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

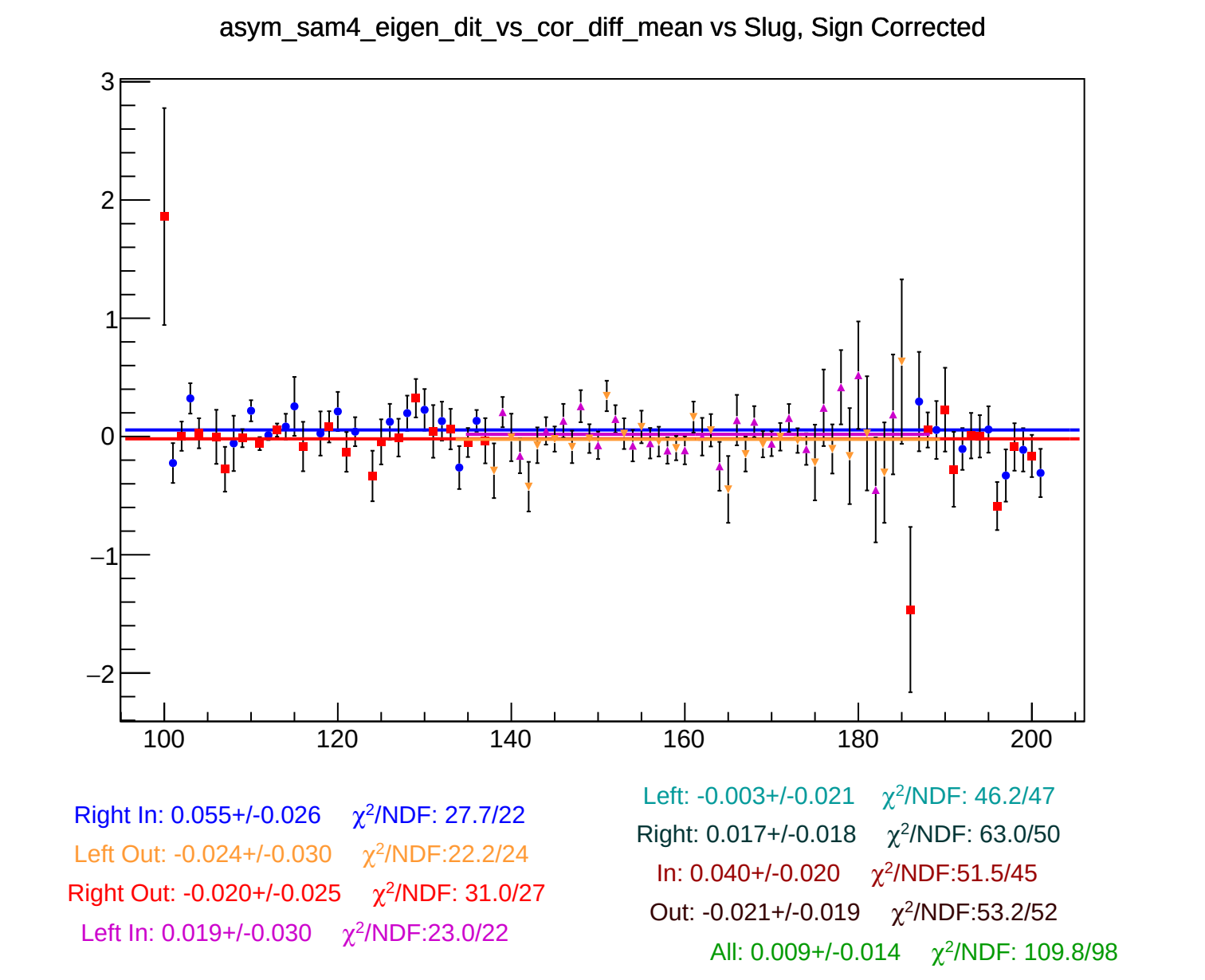
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 17291905.4/50

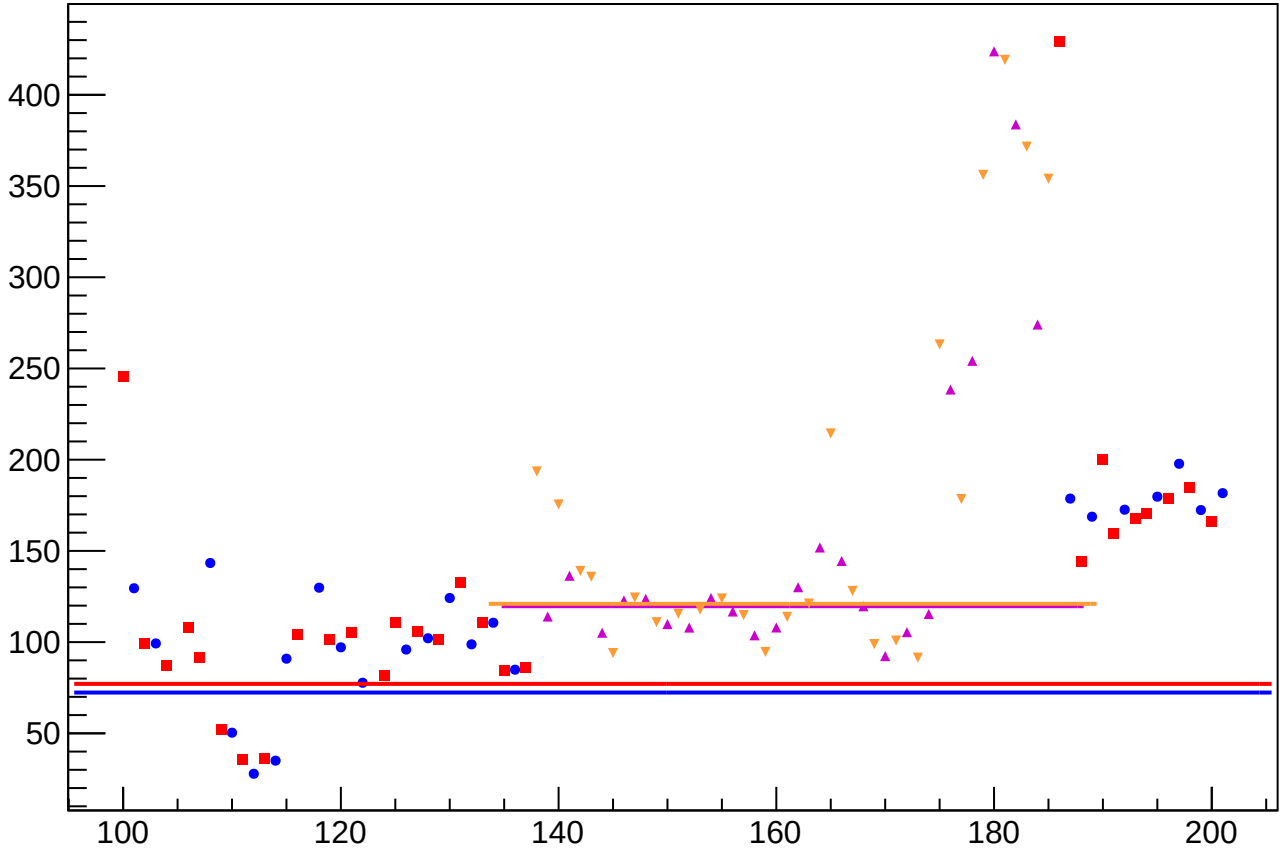
In: 0.004+/-0.000 χ^2/NDF:16015855.7/45

Out: 0.003+/-0.000 χ^2/NDF:20966516.0/52

All: 0.003+/-0.000 χ^2/NDF: 37257550.0/98


asym_sam4_eigen_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: -0.020+/-0.025 χ²/NDF: 31.0/27
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.017+/-0.018 χ²/NDF: 63.0/50
In: 0.040+/-0.020 χ²/NDF:51.5/45
Out: -0.021+/-0.019 χ²/NDF:53.2/52
All: 0.009+/-0.014 χ²/NDF: 109.8/98

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: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

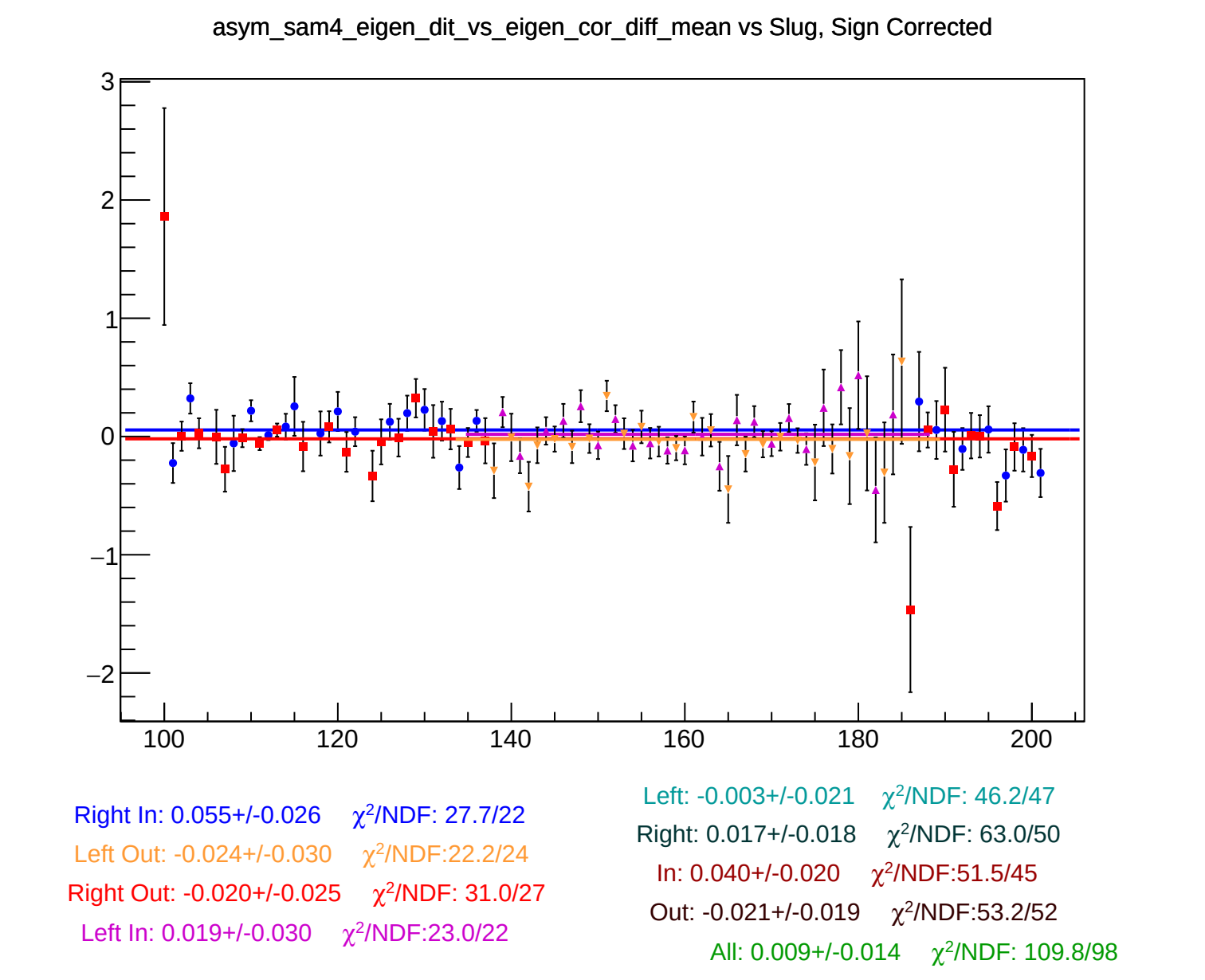
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

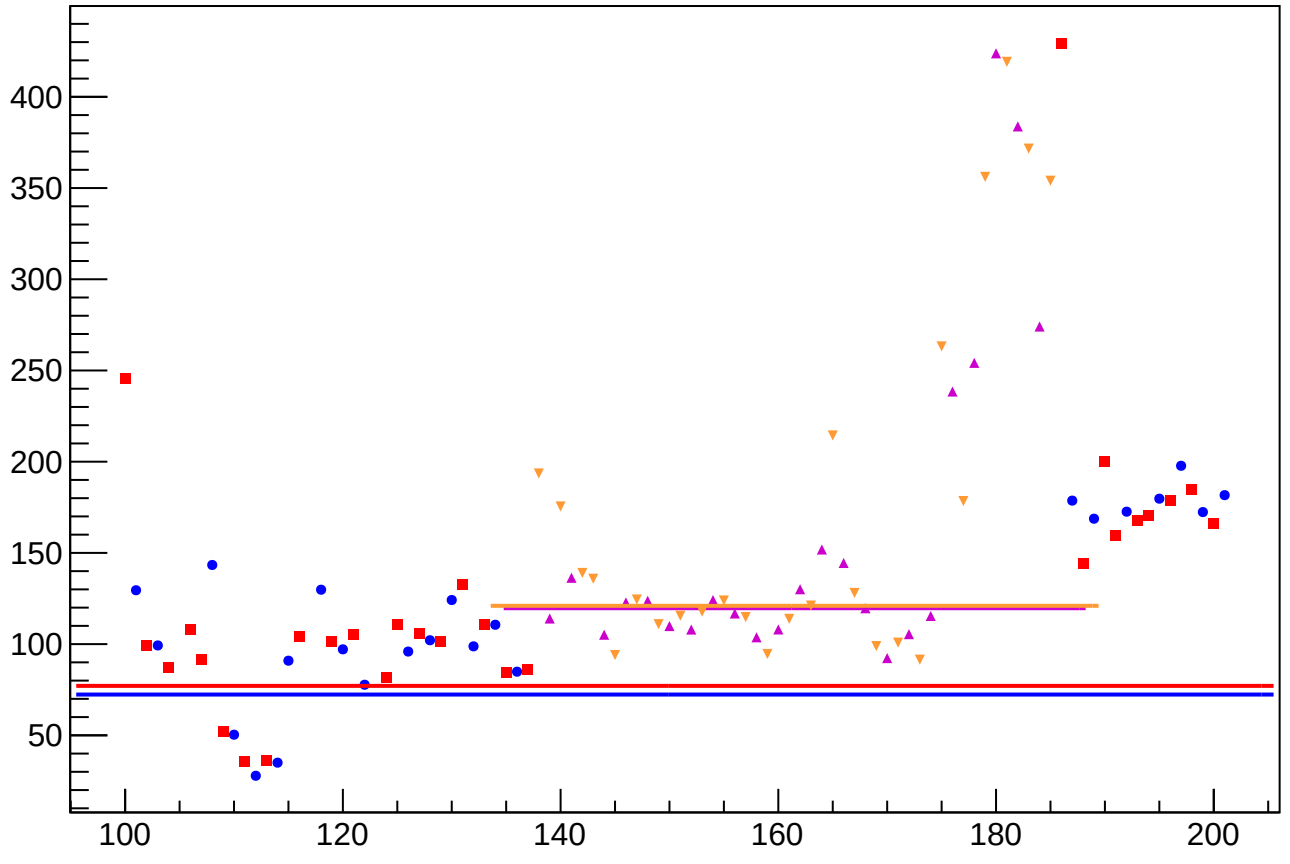
Right: 74.785+/-0.013 χ^2/NDF: 14475323.6/50

In: 92.126+/-0.014 χ^2/NDF:13117982.7/45

Out: 95.215+/-0.014 χ^2/NDF:13641199.7/52

All: 93.697+/-0.010 χ^2/NDF: 26784608.8/98


asym_sam4_eigen_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: -0.020+/-0.025 χ²/NDF: 31.0/27
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.017+/-0.018 χ²/NDF: 63.0/50
In: 0.040+/-0.020 χ²/NDF:51.5/45
Out: -0.021+/-0.019 χ²/NDF:53.2/52
All: 0.009+/-0.014 χ²/NDF: 109.8/98



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: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

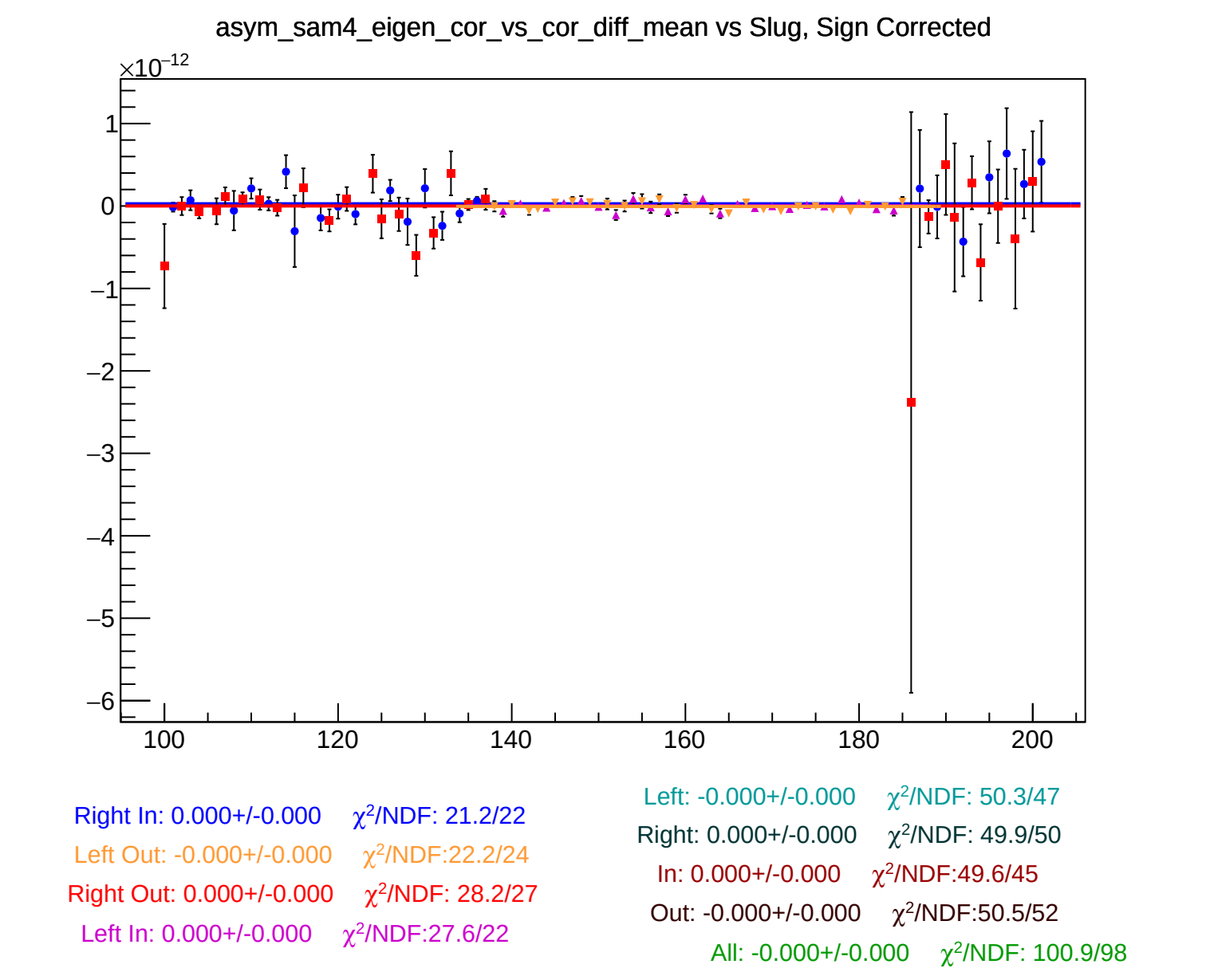
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

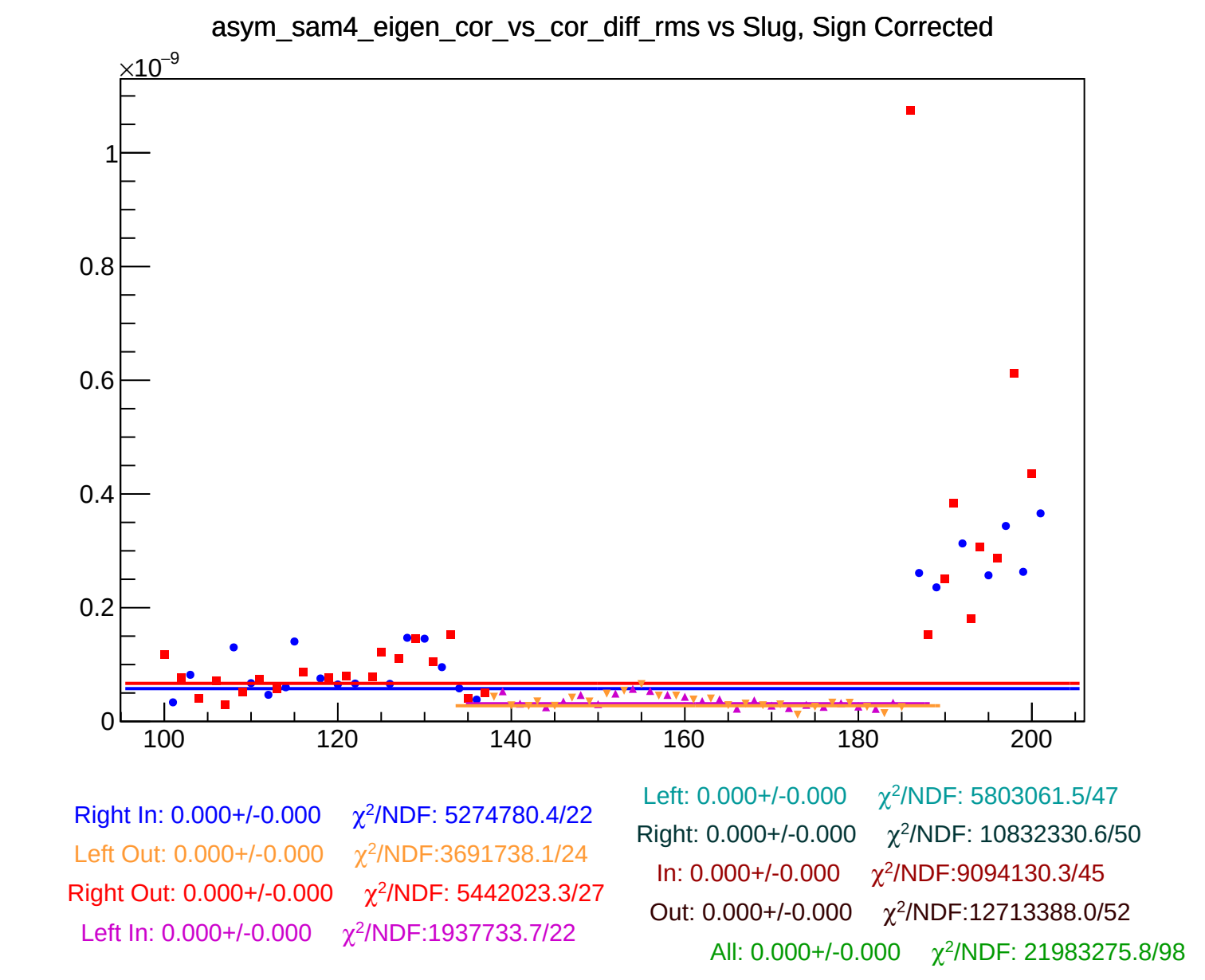
Right: 74.785+/-0.013 χ^2/NDF: 14475323.6/50

In: 92.126+/-0.014 χ^2/NDF:13117982.7/45

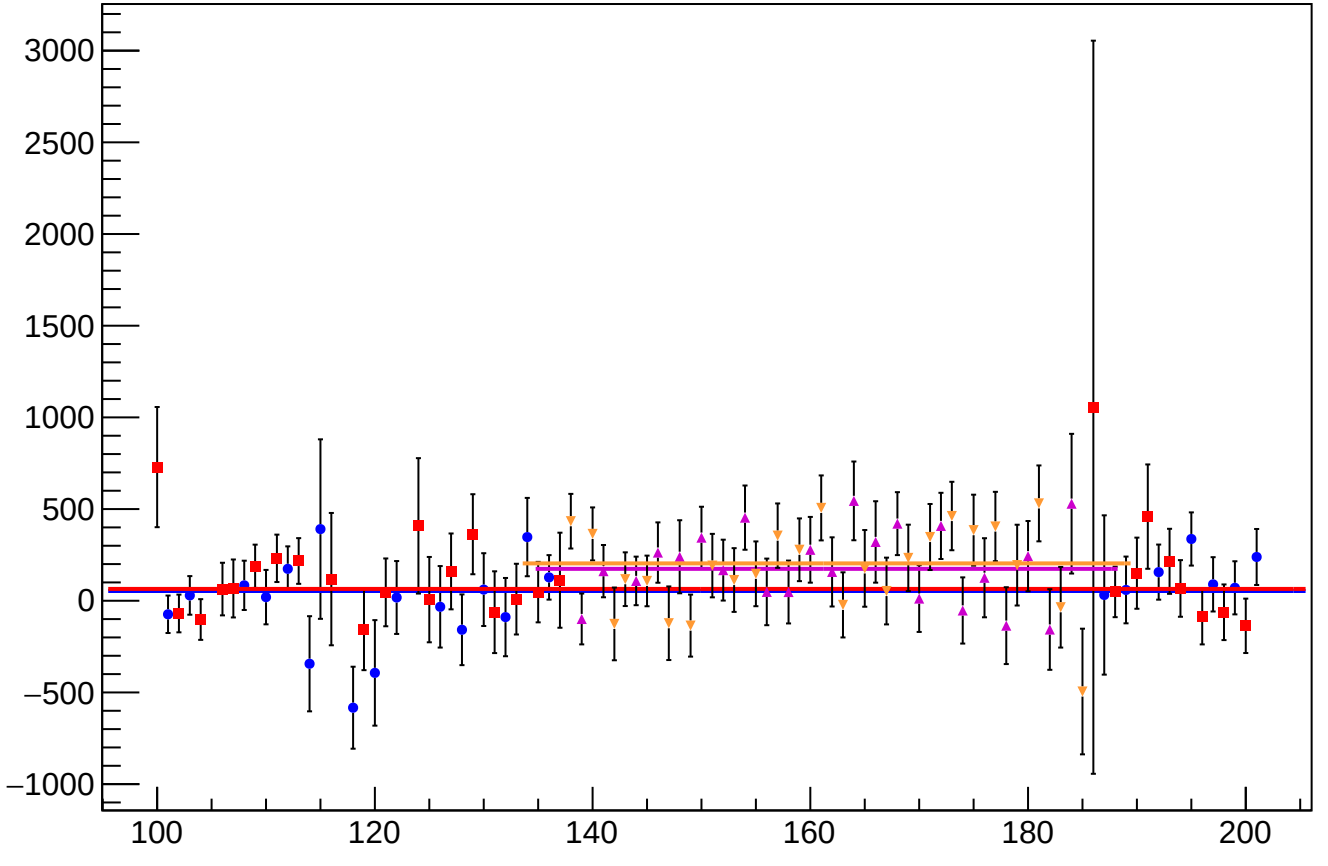
Out: 95.215+/-0.014 χ^2/NDF:13641199.7/52

All: 93.697+/-0.010 χ^2/NDF: 26784608.8/98


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.2/22
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.2/27
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 49.9/50
In: 0.000+/-0.000 χ²/NDF:49.6/45
Out: -0.000+/-0.000 χ²/NDF:50.5/52
All: -0.000+/-0.000 χ²/NDF: 100.9/98


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: 5442023.3/27
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: 10832330.6/50
In: 0.000+/-0.000 χ²/NDF:9094130.3/45
Out: 0.000+/-0.000 χ²/NDF:12713388.0/52
All: 0.000+/-0.000 χ²/NDF: 21983275.8/98

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: 64.589+/-31.709 χ^2/NDF: 23.5/27

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

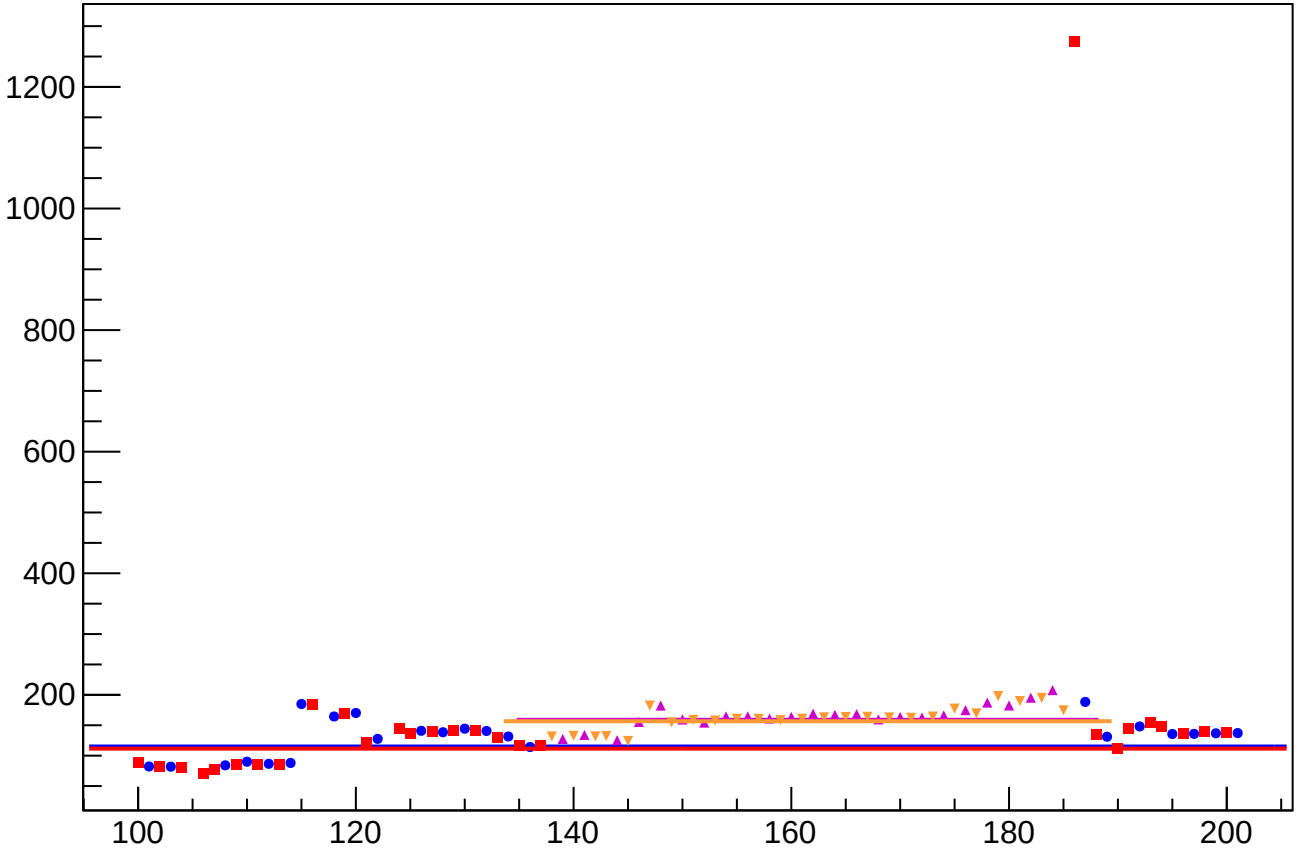
Right: 59.283+/-23.112 χ^2/NDF: 49.5/50

In: 107.449+/-25.060 χ^2/NDF:56.2/45

Out: 125.624+/-23.760 χ^2/NDF:64.8/52

All: 117.020+/-17.242 χ^2/NDF: 121.3/98

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: 111.559+/-0.022 χ^2/NDF: 2425203.4/27

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

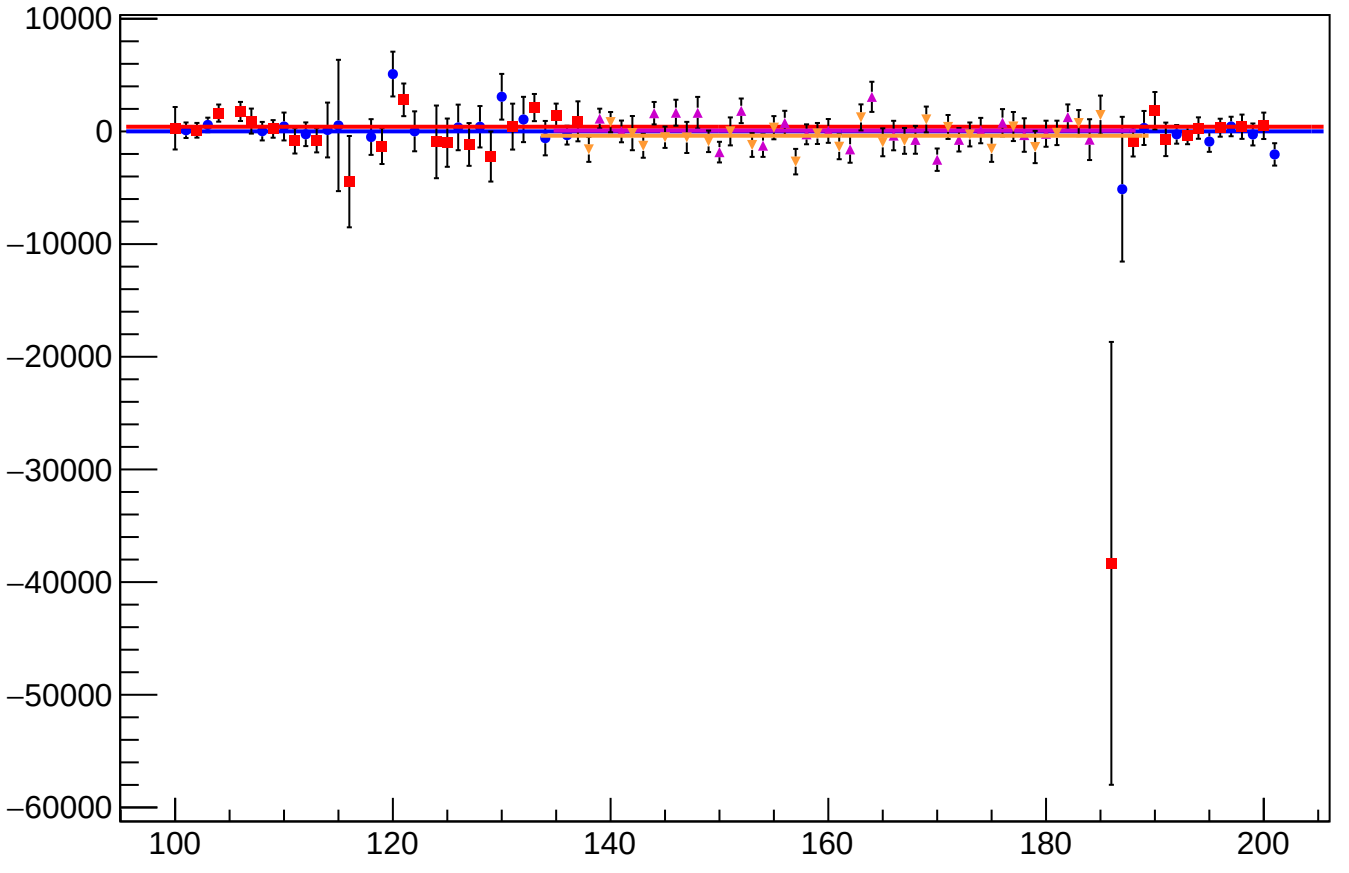
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 113.188+/-0.016 χ^2/NDF: 3830864.8/50

In: 134.747+/-0.018 χ^2/NDF:3425169.8/45

Out: 131.329+/-0.017 χ^2/NDF:4780296.9/52

All: 132.947+/-0.012 χ^2/NDF: 8225066.5/98



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: 415.893+/-218.274 χ^2/NDF: 26.3/27

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

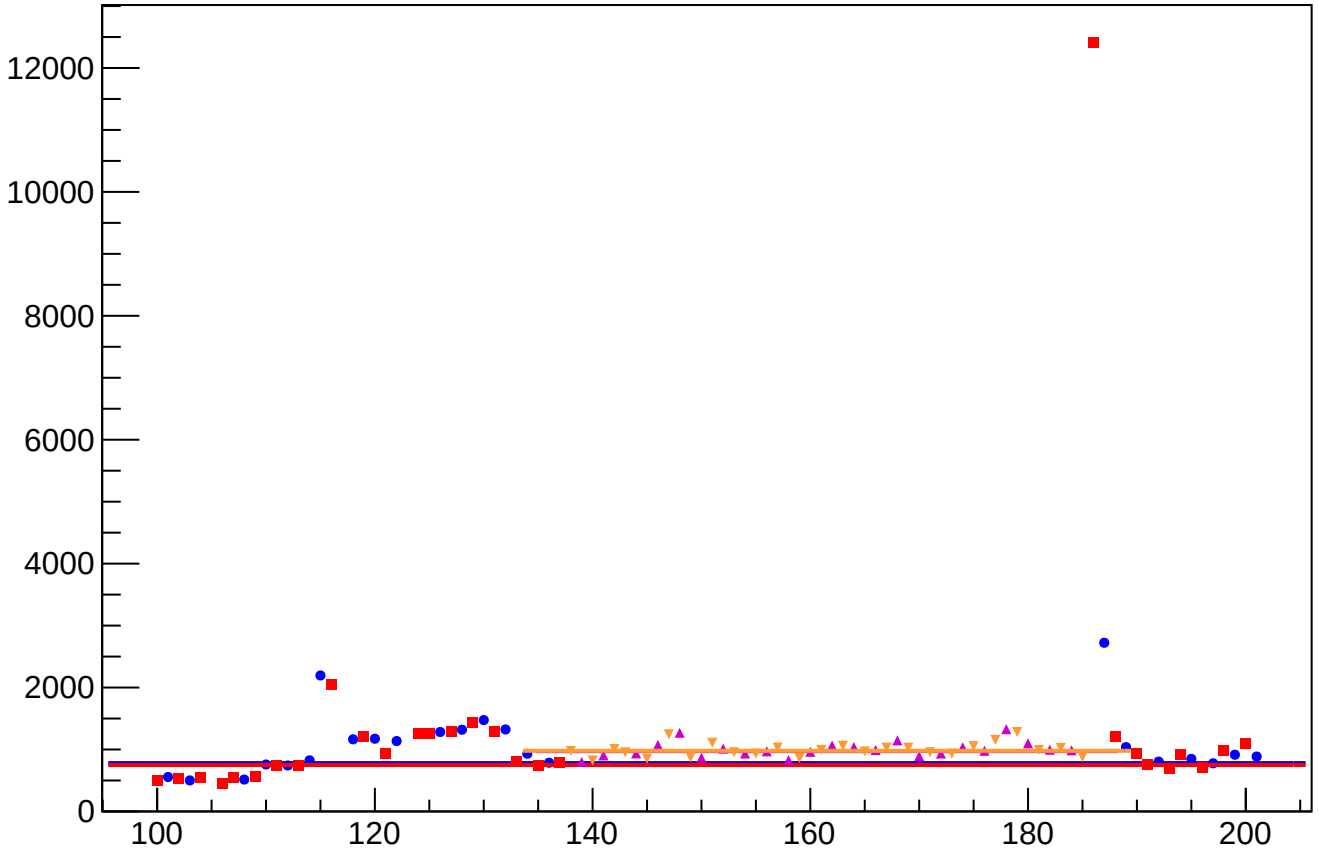
Right: 226.001+/-159.866 χ^2/NDF: 44.9/50

In: 41.090+/-164.227 χ^2/NDF:50.1/45

Out: 28.895+/-156.516 χ^2/NDF:51.5/52

All: 34.700+/-113.302 χ^2/NDF: 101.6/98

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



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: 749.791+/-0.154 χ^2/NDF: 3260991.1/27

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

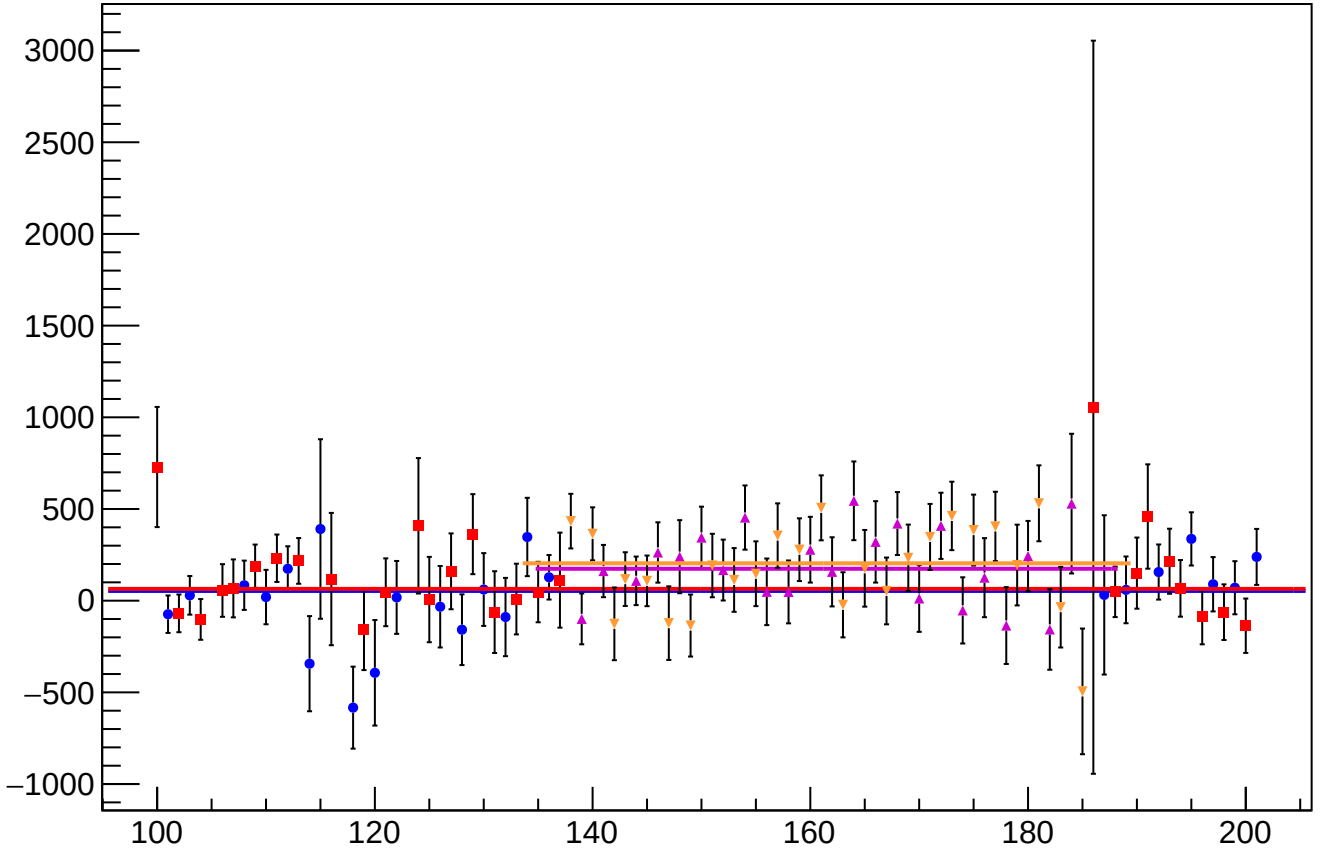
Right: 764.204+/-0.113 χ^2/NDF: 5485605.6/50

In: 879.430+/-0.116 χ^2/NDF:3394181.4/45

Out: 861.200+/-0.111 χ^2/NDF:4763266.1/52

All: 869.877+/-0.080 χ^2/NDF: 8170362.3/98

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: 64.217+/-31.711 χ^2/NDF: 23.5/27

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

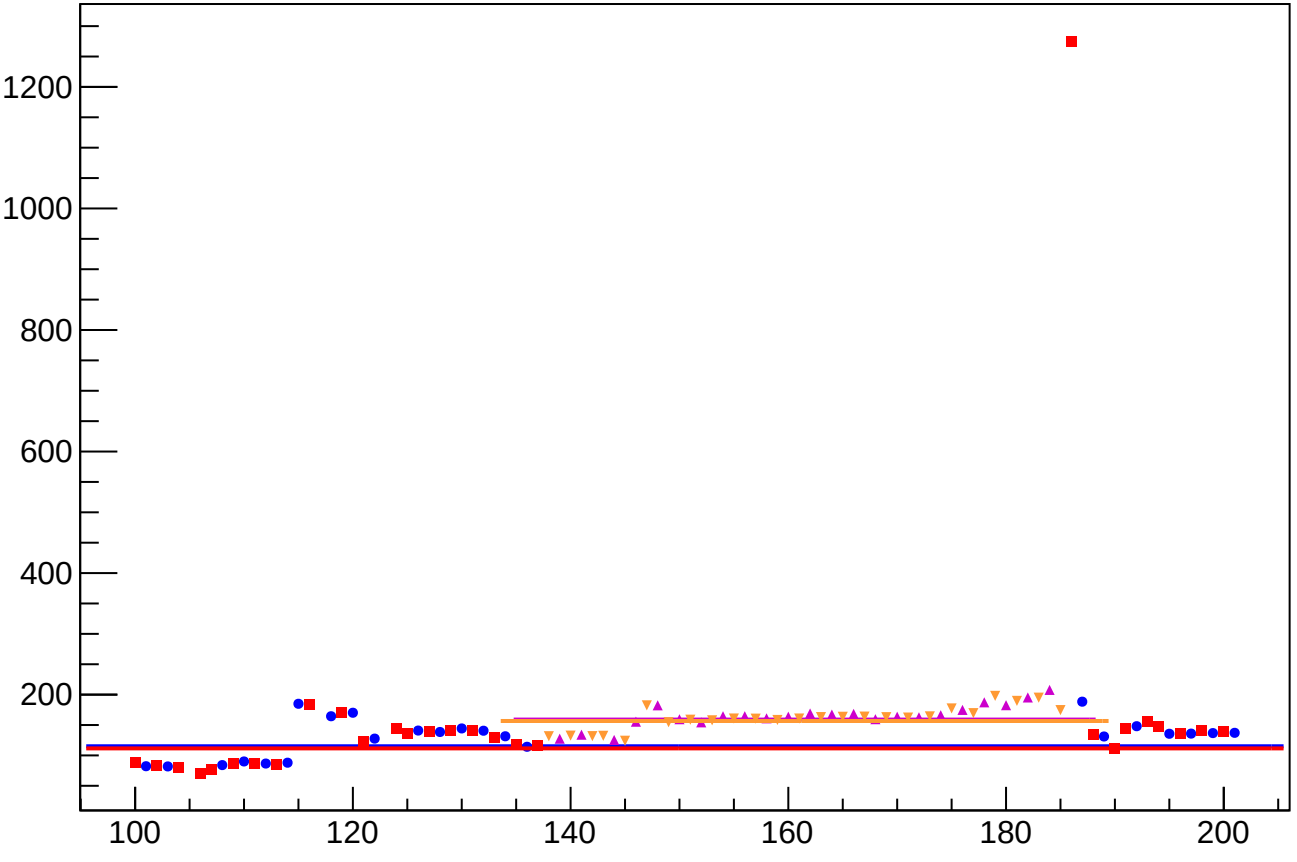
Right: 59.082+/-23.112 χ^2/NDF: 49.5/50

In: 107.447+/-25.060 χ^2/NDF:56.2/45

Out: 125.421+/-23.760 χ^2/NDF:64.9/52

All: 116.912+/-17.242 χ^2/NDF: 121.3/98

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: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

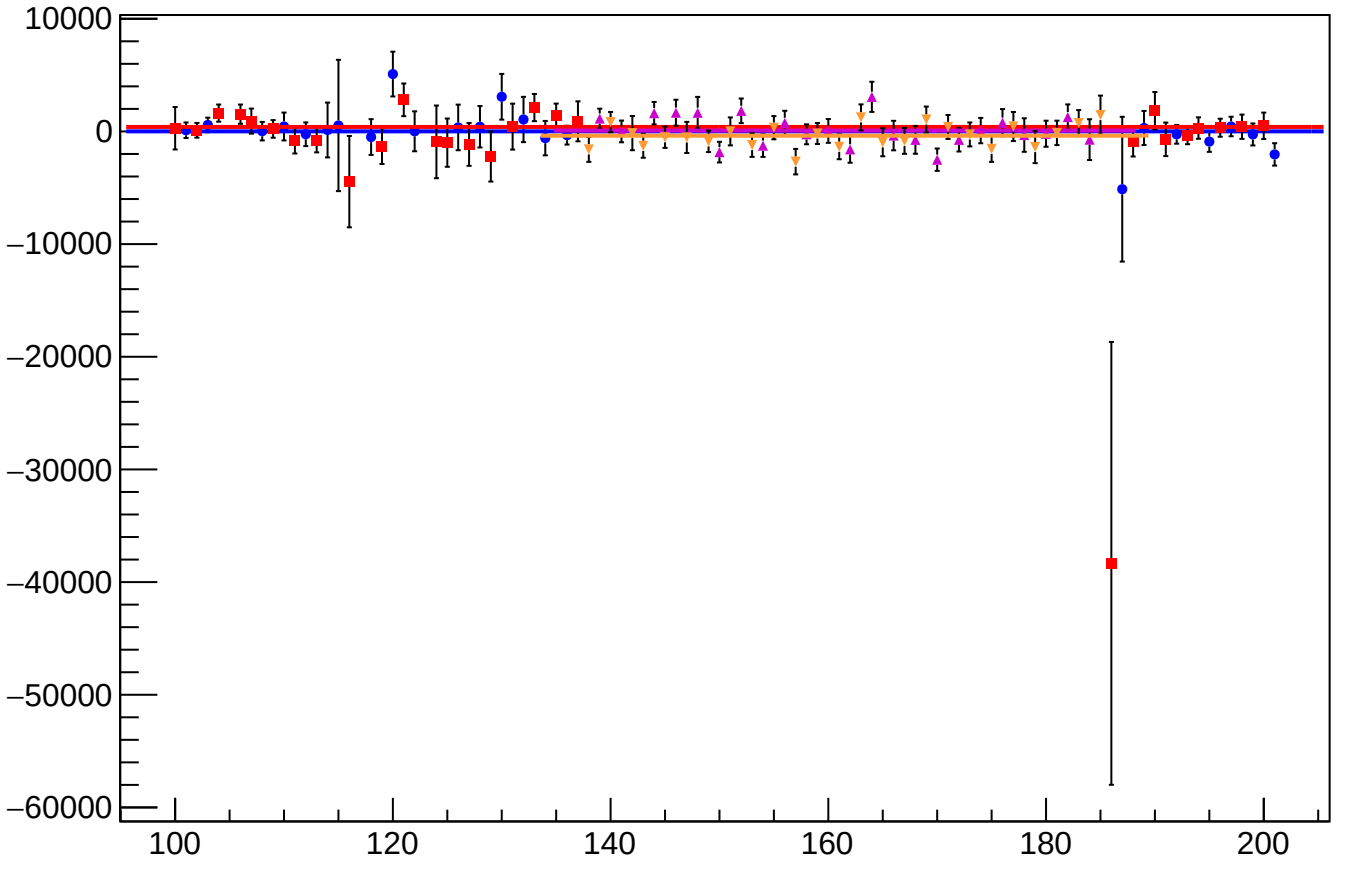
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 113.180+/-0.016 χ^2/NDF: 3833923.9/50

In: 134.747+/-0.018 χ^2/NDF:3425167.7/45

Out: 131.321+/-0.017 χ^2/NDF:4784400.9/52

All: 132.943+/-0.012 χ^2/NDF: 8229255.5/98



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: 398.876+/-218.369 χ^2/NDF: 25.5/27

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

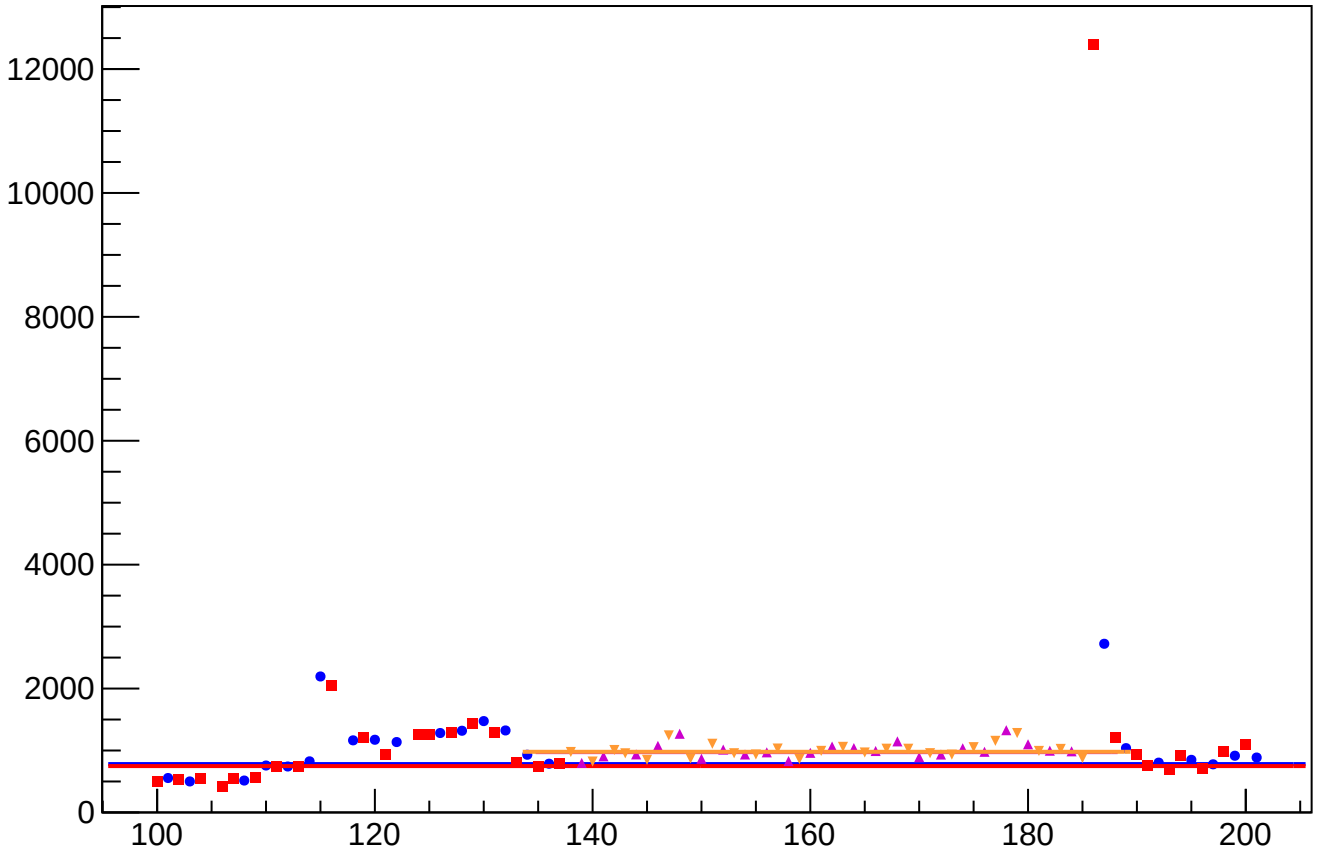
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 216.787+/-159.903 χ^2/NDF: 43.9/50

In: 41.089+/-164.227 χ^2/NDF:50.1/45

Out: 19.983+/-156.551 χ^2/NDF:50.4/52

All: 30.031+/-113.315 χ^2/NDF: 100.5/98



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: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

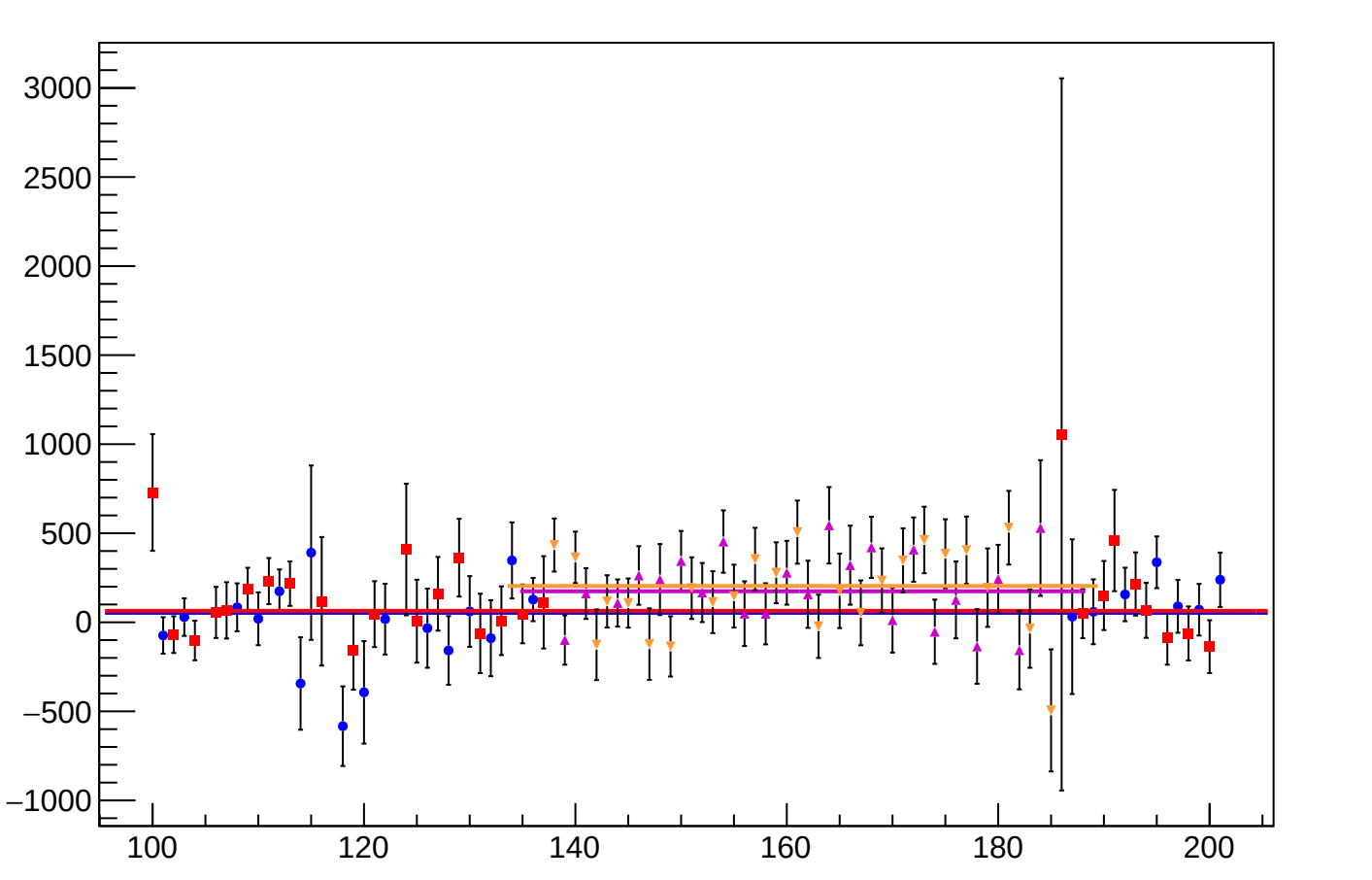
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 763.494+/-0.113 χ^2/NDF: 5525815.9/50

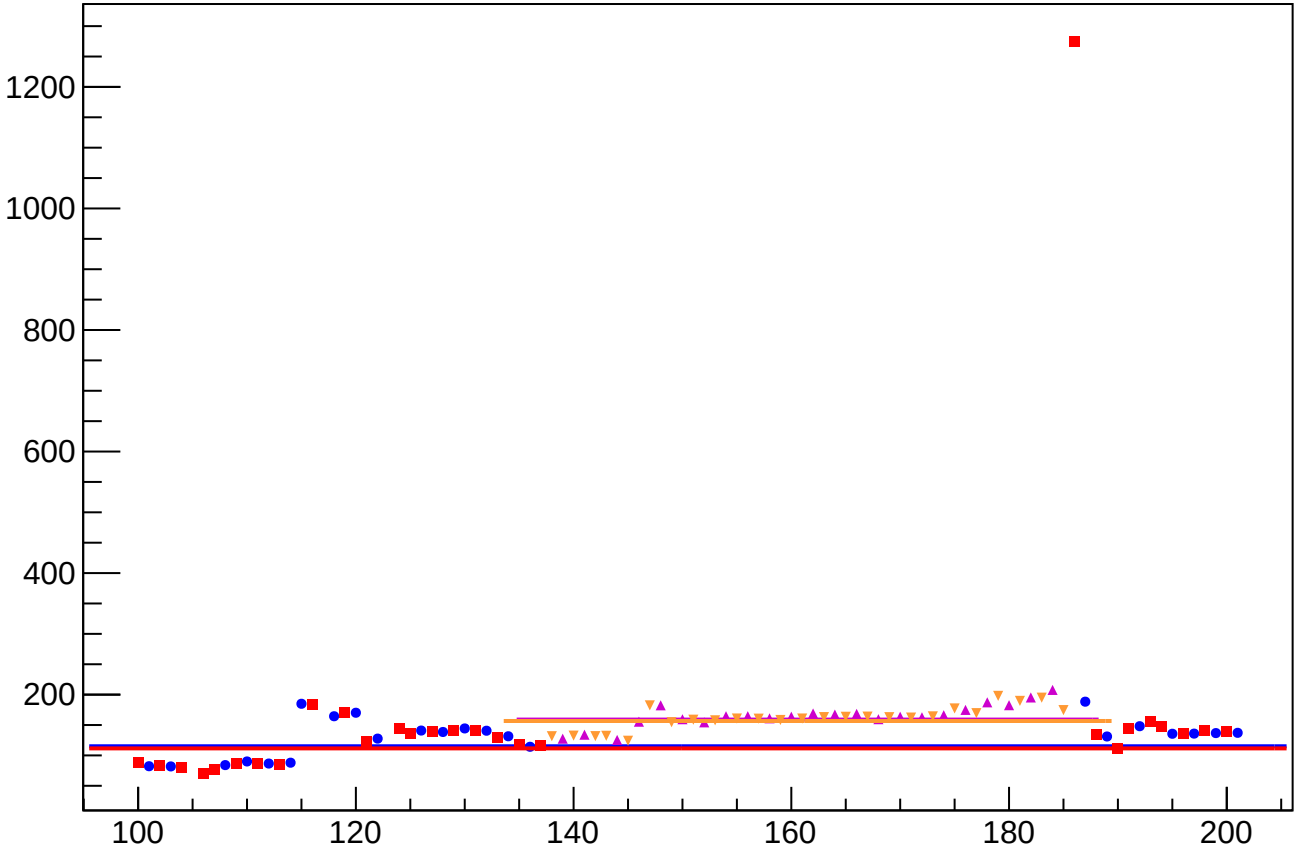
In: 879.430+/-0.116 χ^2/NDF:3394188.5/45

Out: 860.562+/-0.111 χ^2/NDF:4813917.8/52

All: 869.545+/-0.080 χ^2/NDF: 8221937.1/98


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 53.263+/-33.756 χ²/NDF: 26.0/22
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 64.217+/-31.711 χ²/NDF: 23.5/27
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 59.082+/-23.112 χ²/NDF: 49.5/50
In: 107.447+/-25.060 χ²/NDF:56.2/45
Out: 125.421+/-23.760 χ²/NDF:64.9/52
All: 116.912+/-17.242 χ²/NDF: 121.3/98

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: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

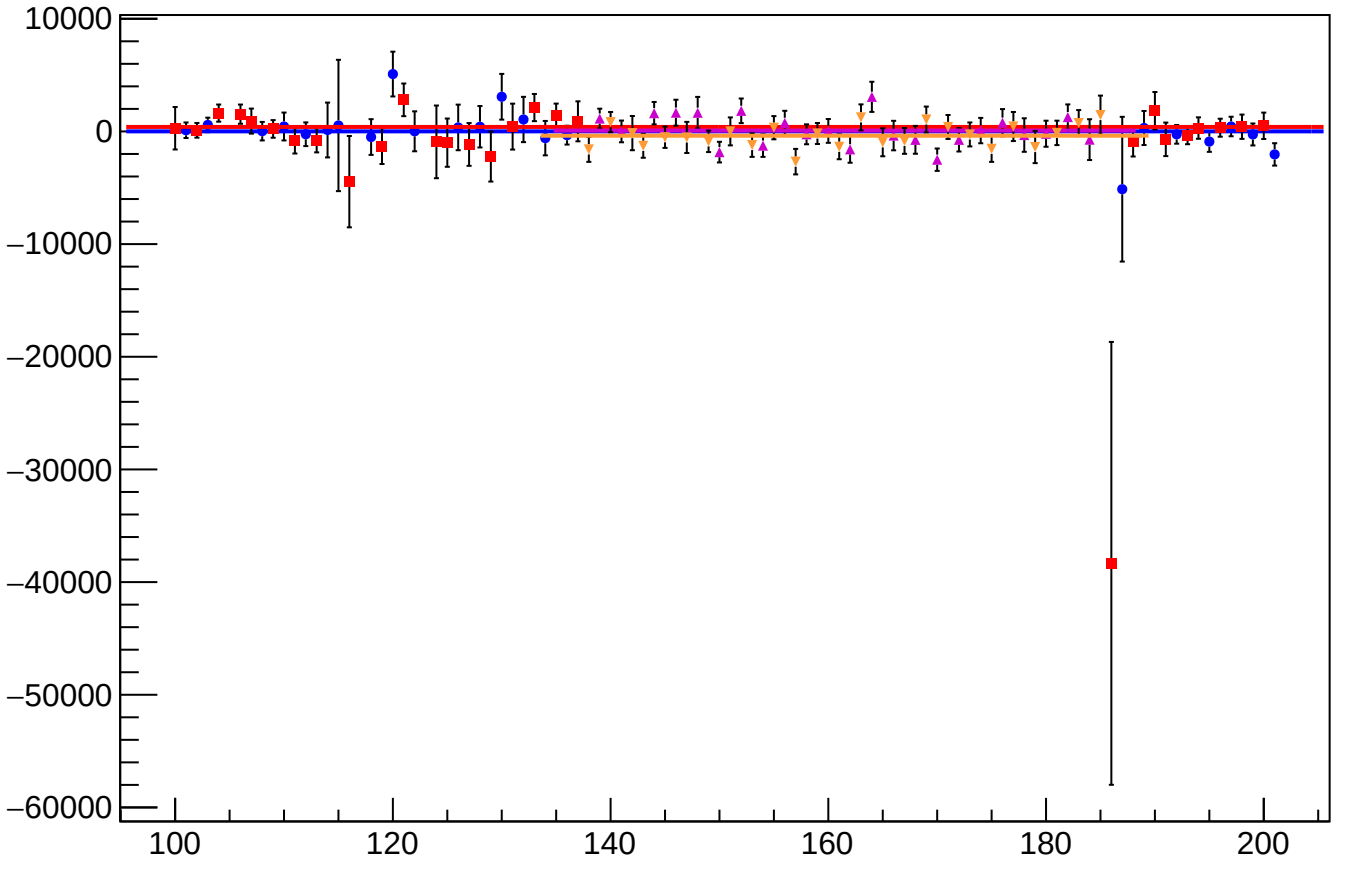
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 113.180+/-0.016 χ^2/NDF: 3833923.9/50

In: 134.747+/-0.018 χ^2/NDF:3425167.7/45

Out: 131.321+/-0.017 χ^2/NDF:4784400.9/52

All: 132.943+/-0.012 χ^2/NDF: 8229255.5/98



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: 398.876+/-218.369 χ^2/NDF: 25.5/27

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

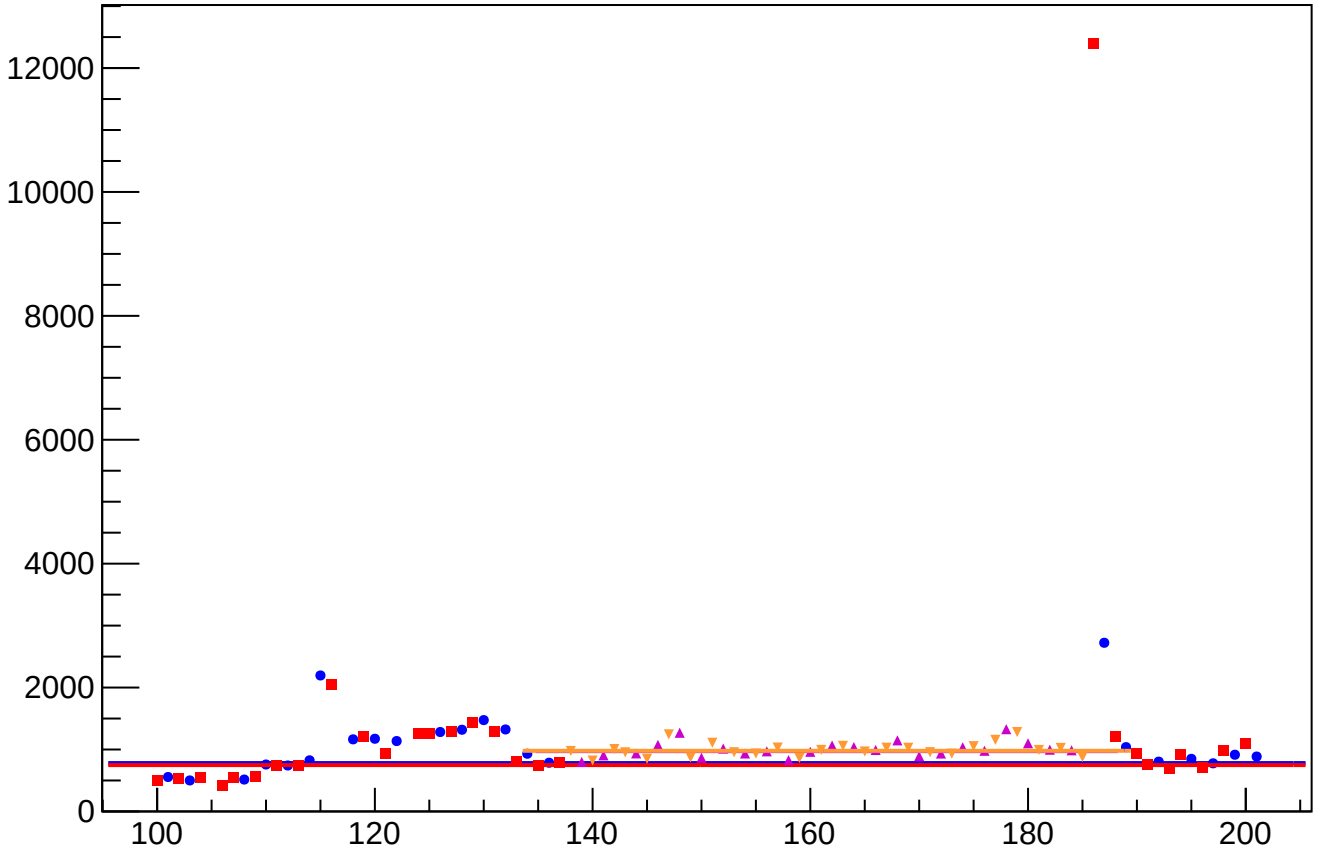
Right: 216.787+/-159.903 χ^2/NDF: 43.9/50

In: 41.089+/-164.227 χ^2/NDF:50.1/45

Out: 19.983+/-156.551 χ^2/NDF:50.4/52

All: 30.031+/-113.315 χ^2/NDF: 100.5/98

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: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

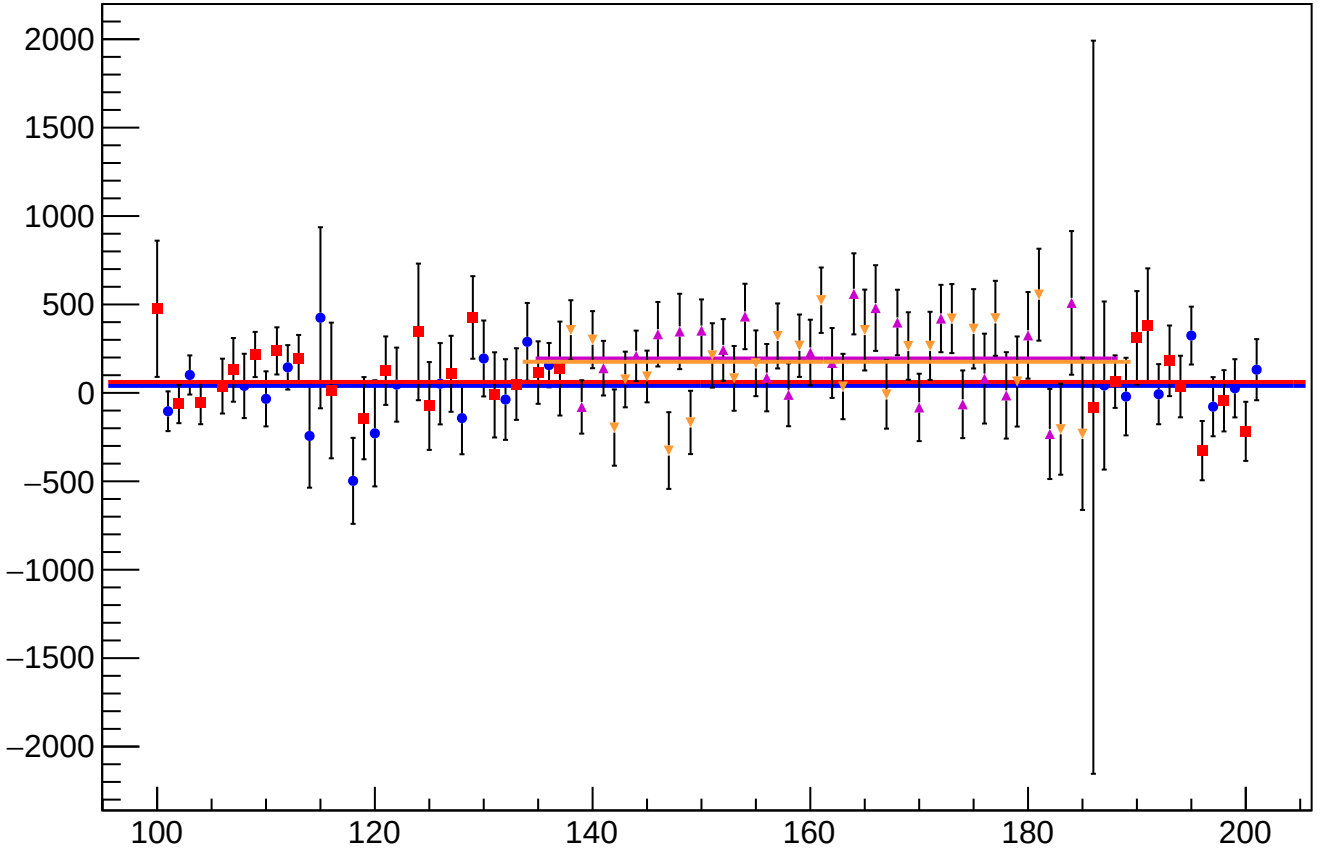
Right: 763.494+/-0.113 χ^2/NDF: 5525815.9/50

In: 879.430+/-0.116 χ^2/NDF:3394188.5/45

Out: 860.562+/-0.111 χ^2/NDF:4813917.8/52

All: 869.545+/-0.080 χ^2/NDF: 8221937.1/98

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: 61.821+/-34.482 χ^2/NDF: 23.1/27

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

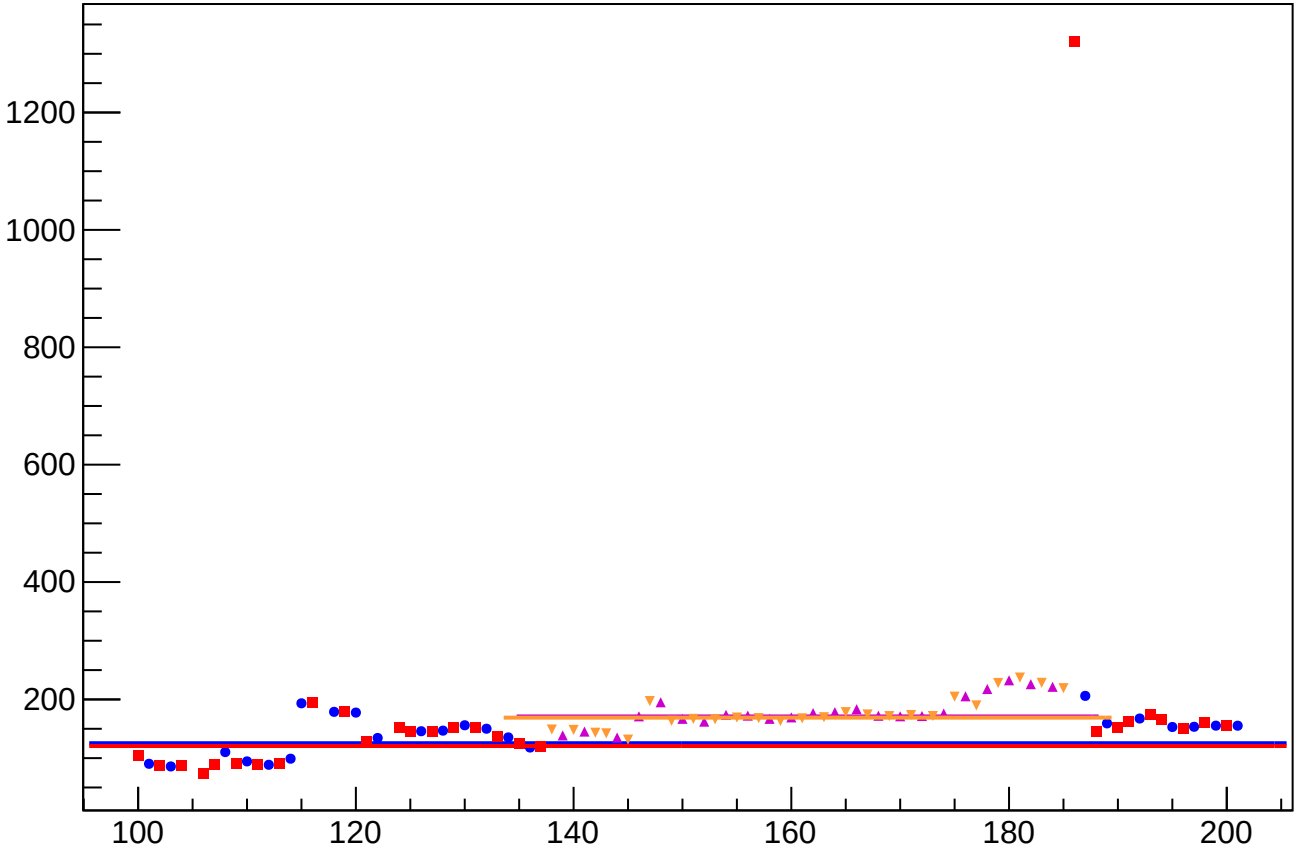
Right: 51.475+/-25.203 χ^2/NDF: 40.9/50

In: 110.065+/-27.252 χ^2/NDF:49.4/45

Out: 112.157+/-25.786 χ^2/NDF:58.7/52

All: 111.169+/-18.730 χ^2/NDF: 108.1/98

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: 120.639+/-0.024 χ^2/NDF: 2593304.4/27

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

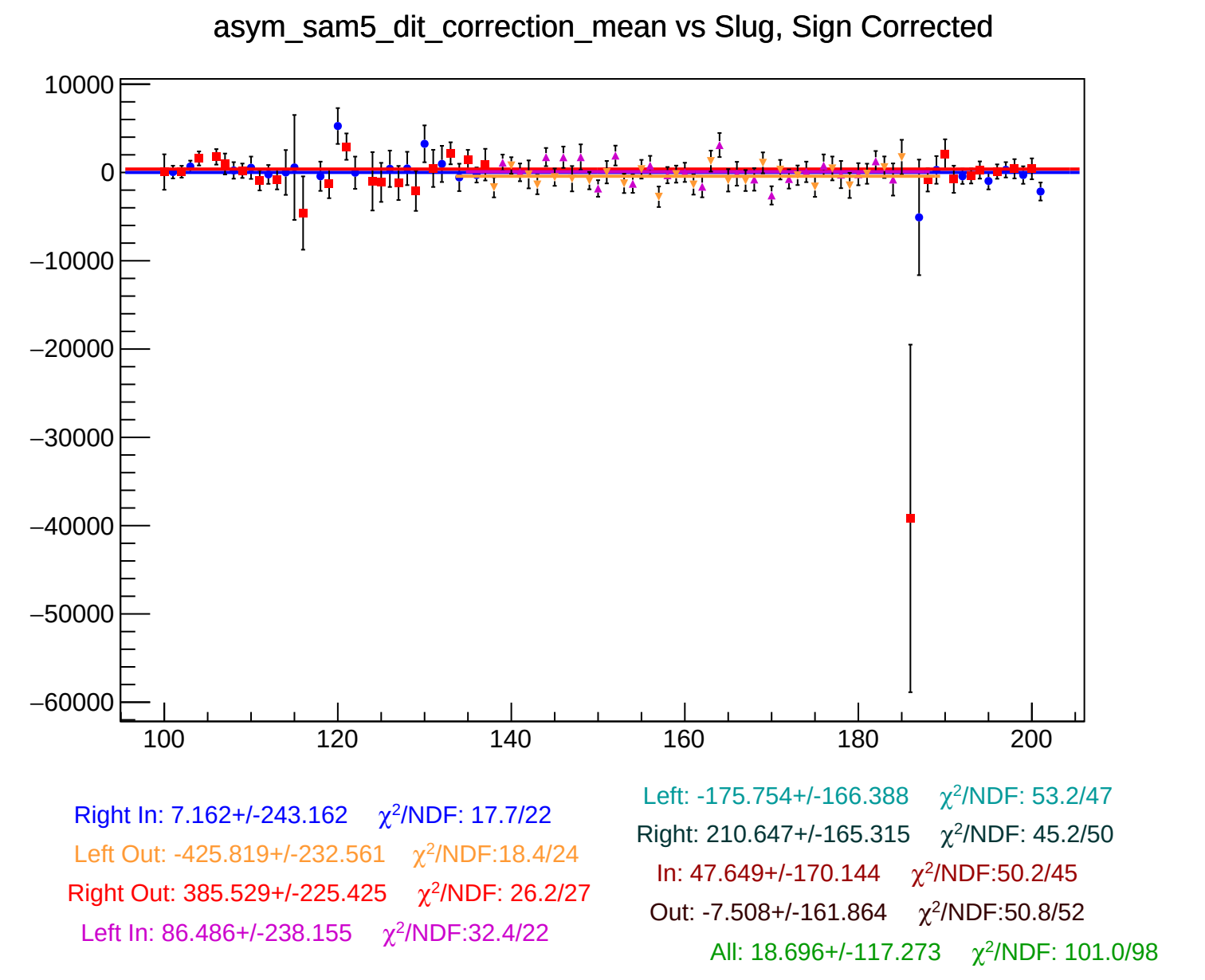
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

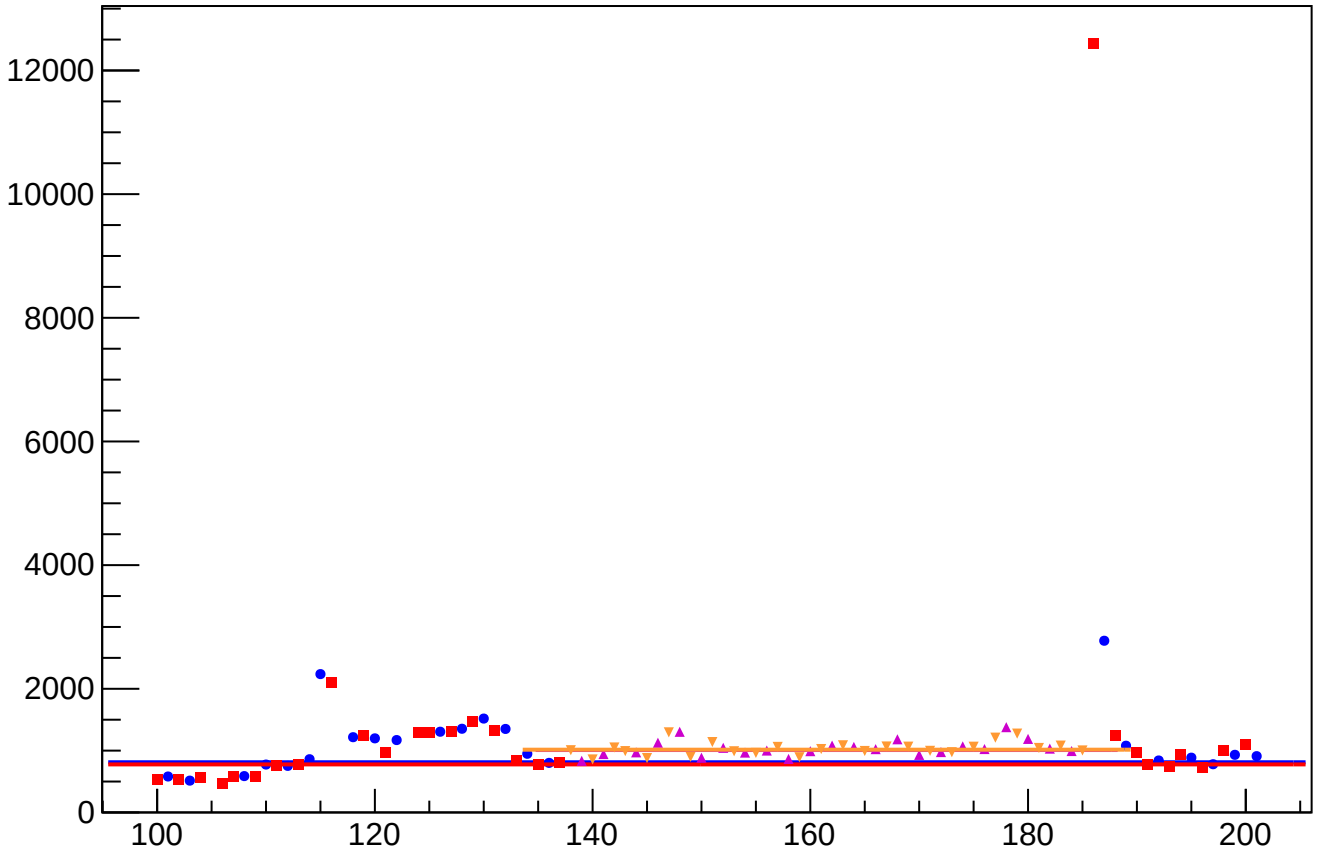
Right: 122.858+/-0.018 χ^2/NDF: 4117459.2/50

In: 146.177+/-0.019 χ^2/NDF:3574338.3/45

Out: 141.961+/-0.018 χ^2/NDF:5102027.4/52

All: 143.953+/-0.013 χ^2/NDF: 8701626.6/98


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: 7.162+/-243.162 χ²/NDF: 17.7/22
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 385.529+/-225.425 χ²/NDF: 26.2/27
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 210.647+/-165.315 χ²/NDF: 45.2/50
In: 47.649+/-170.144 χ²/NDF:50.2/45
Out: -7.508+/-161.864 χ²/NDF:50.8/52
All: 18.696+/-117.273 χ²/NDF: 101.0/98



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: 777.174+/-0.159 χ^2/NDF: 3150155.7/27

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

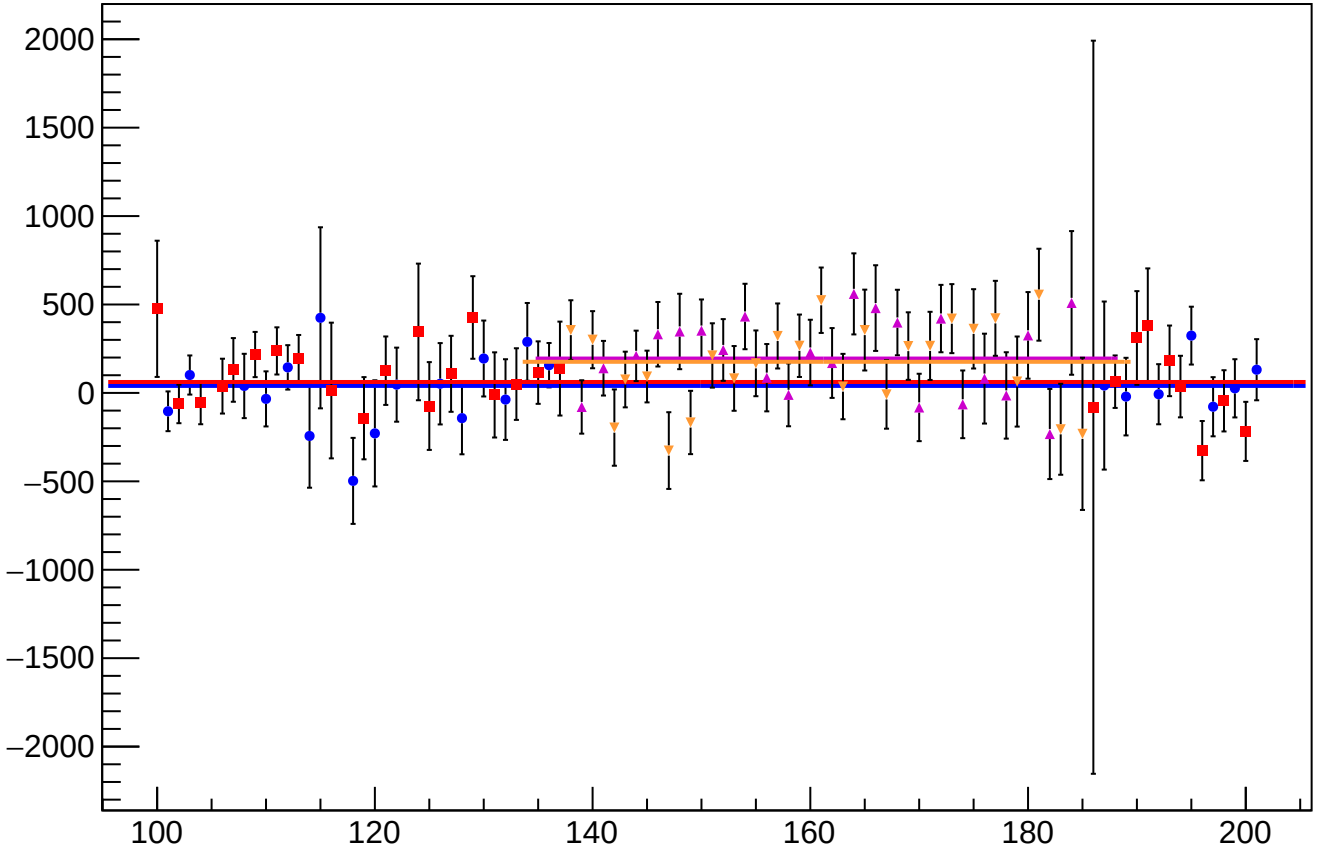
Right: 793.113+/-0.117 χ^2/NDF: 5253846.3/50

In: 912.726+/-0.120 χ^2/NDF:3257756.0/45

Out: 892.405+/-0.114 χ^2/NDF:4626913.5/52

All: 902.059+/-0.083 χ^2/NDF: 7899645.0/98

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: 61.822+/-34.482 χ^2/NDF: 23.1/27

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

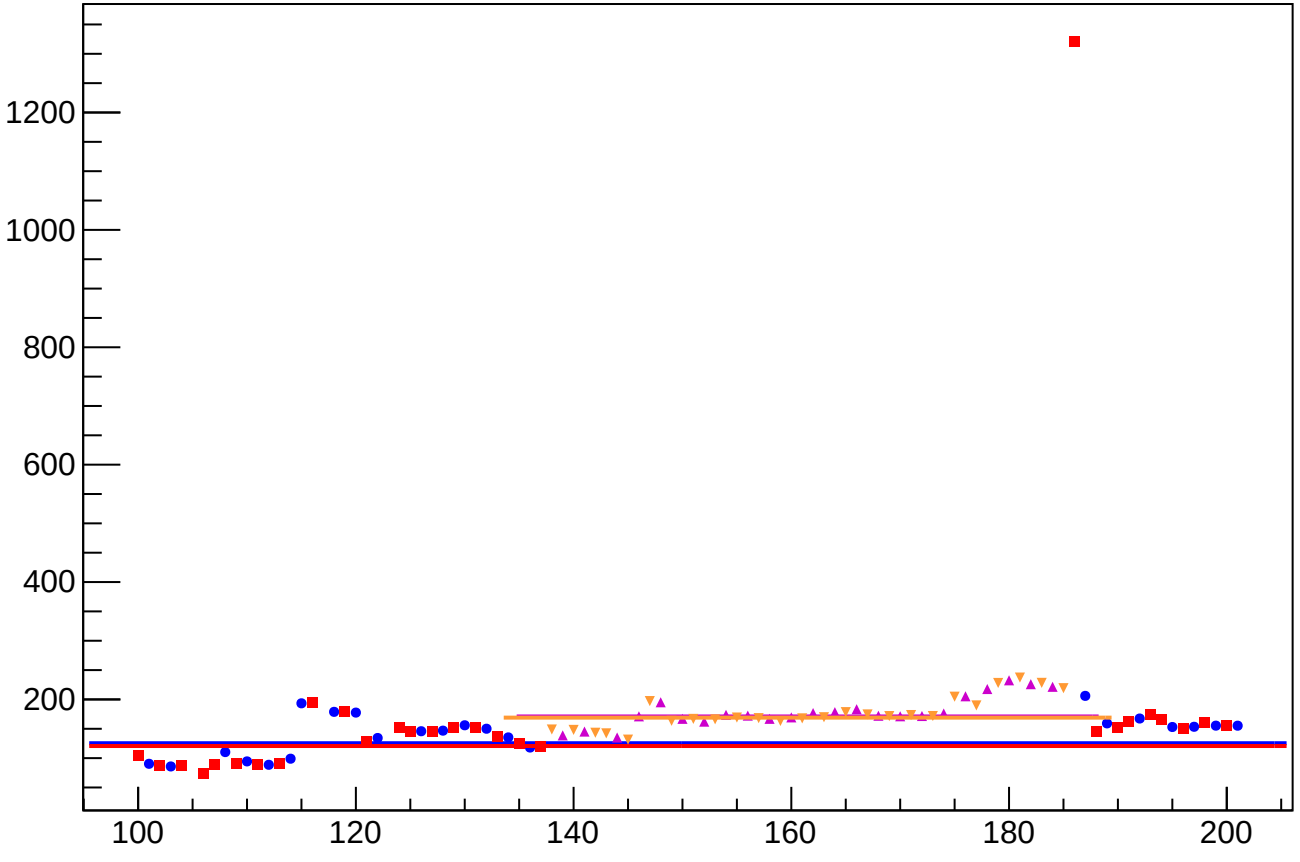
Right: 51.475+/-25.203 χ^2/NDF: 40.9/50

In: 110.065+/-27.252 χ^2/NDF:49.4/45

Out: 112.157+/-25.786 χ^2/NDF:58.7/52

All: 111.169+/-18.730 χ^2/NDF: 108.1/98

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: 120.639+/-0.024 χ^2/NDF: 2593305.3/27

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

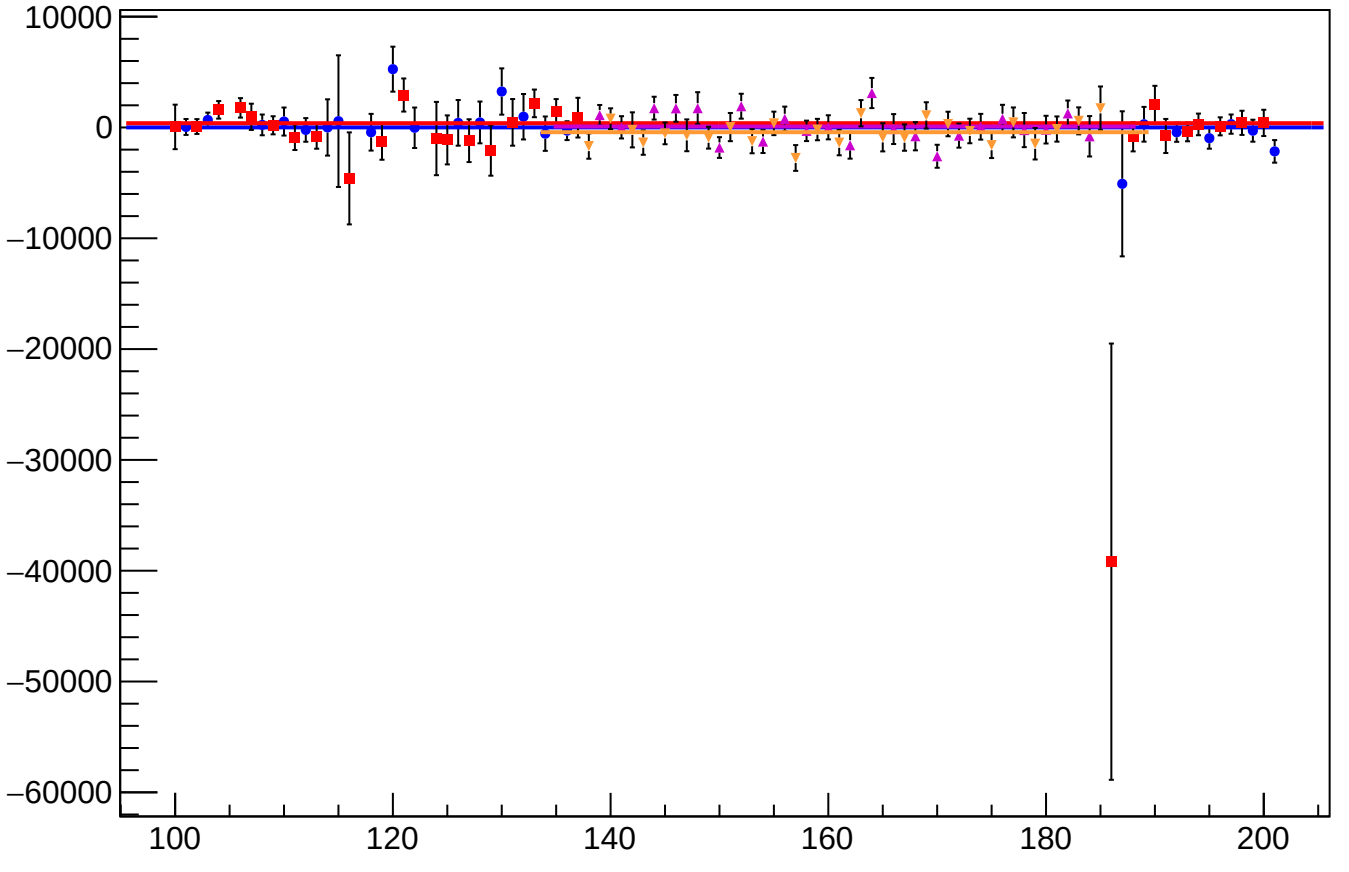
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 122.858+/-0.018 χ^2/NDF: 4117466.2/50

In: 146.177+/-0.019 χ^2/NDF:3574367.3/45

Out: 141.961+/-0.018 χ^2/NDF:5102037.6/52

All: 143.952+/-0.013 χ^2/NDF: 8701665.8/98



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: 385.530+/-225.425 χ^2/NDF: 26.2/27

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

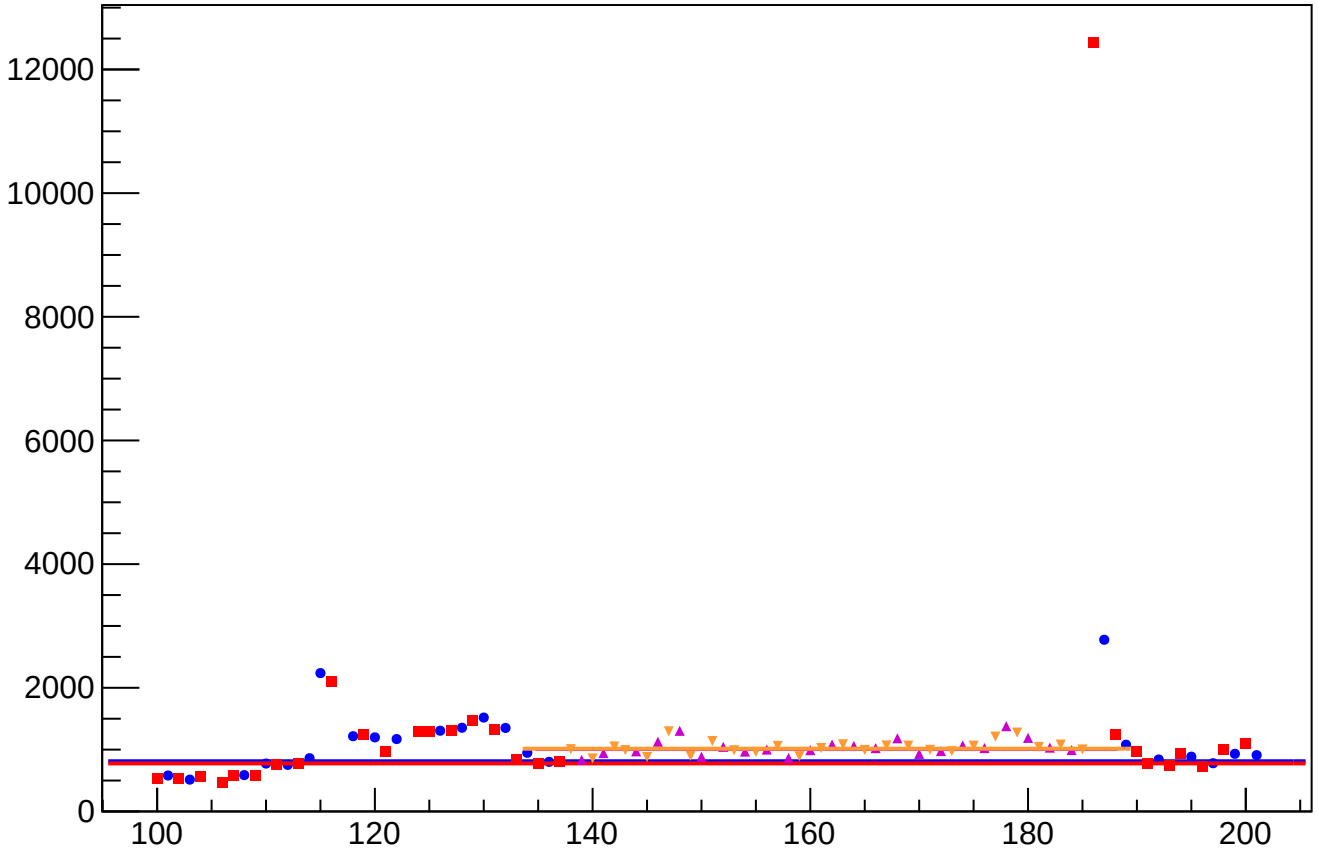
Right: 210.648+/-165.315 χ^2/NDF: 45.2/50

In: 47.650+/-170.144 χ^2/NDF:50.2/45

Out: -7.506+/-161.864 χ^2/NDF:50.8/52

All: 18.697+/-117.273 χ^2/NDF: 101.0/98

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 777.173+/-0.159 χ^2/NDF: 3150162.3/27

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

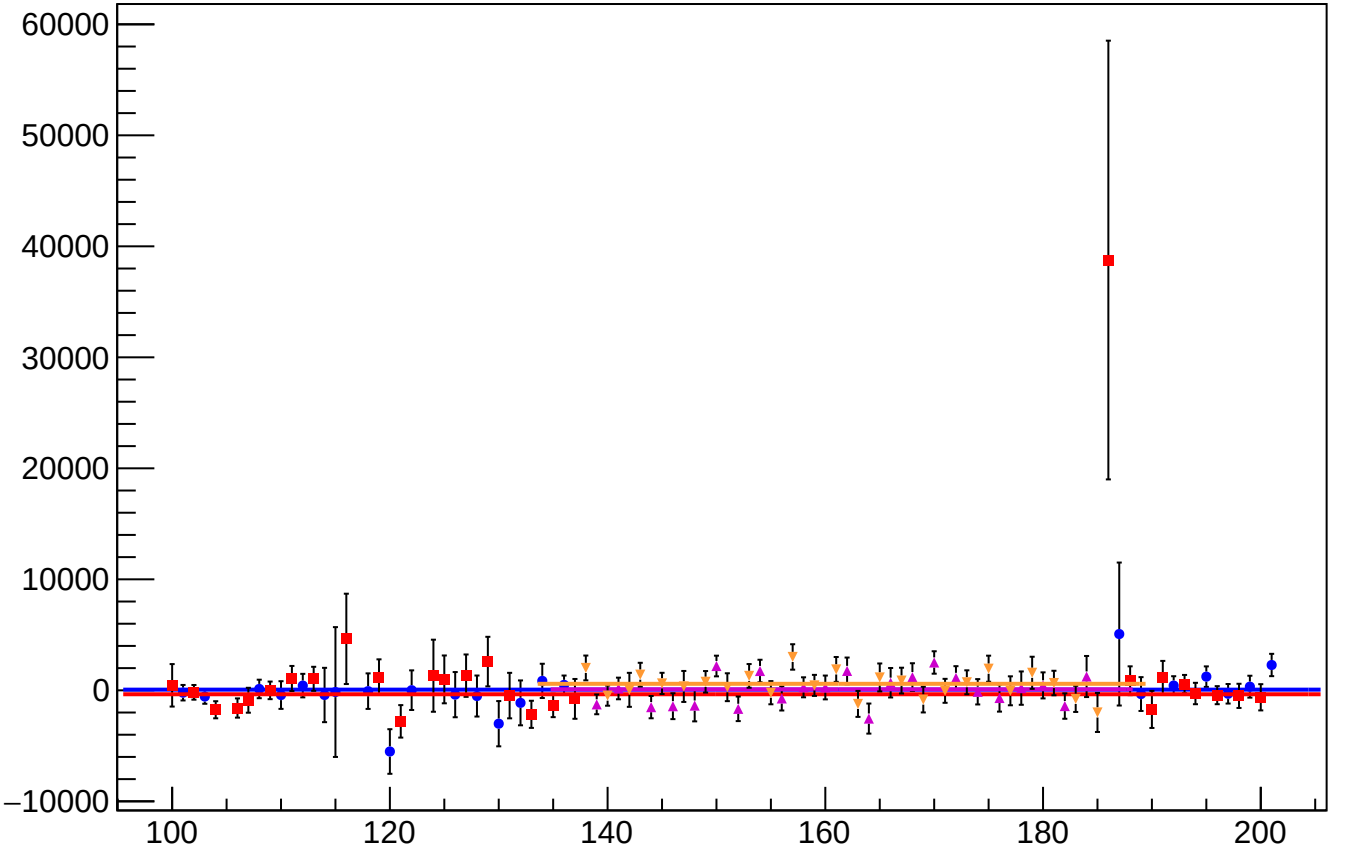
Right: 793.113+/-0.117 χ^2/NDF: 5253854.9/50

In: 912.726+/-0.120 χ^2/NDF:3257770.9/45

Out: 892.405+/-0.114 χ^2/NDF:4626932.7/52

All: 902.059+/-0.083 χ^2/NDF: 7899679.1/98

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: -354.434+/-221.177 χ^2/NDF: 28.5/27

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

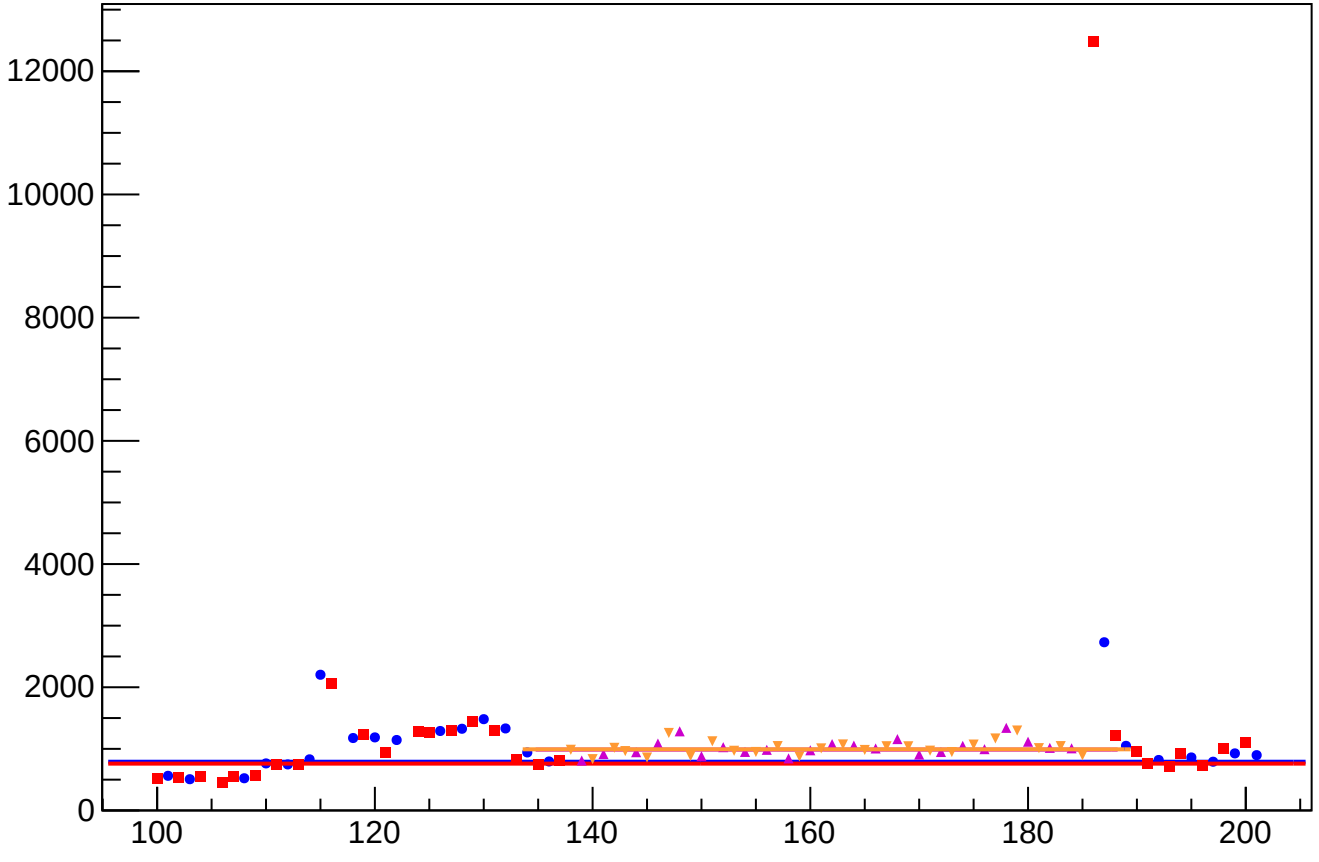
Right: -161.552+/-161.910 χ^2/NDF: 50.1/50

In: 77.230+/-166.386 χ^2/NDF:54.5/45

Out: 102.448+/-158.613 χ^2/NDF:58.1/52

All: 90.442+/-114.806 χ^2/NDF: 112.7/98

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: 760.120+/-0.156 χ^2/NDF: 3235129.0/27

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

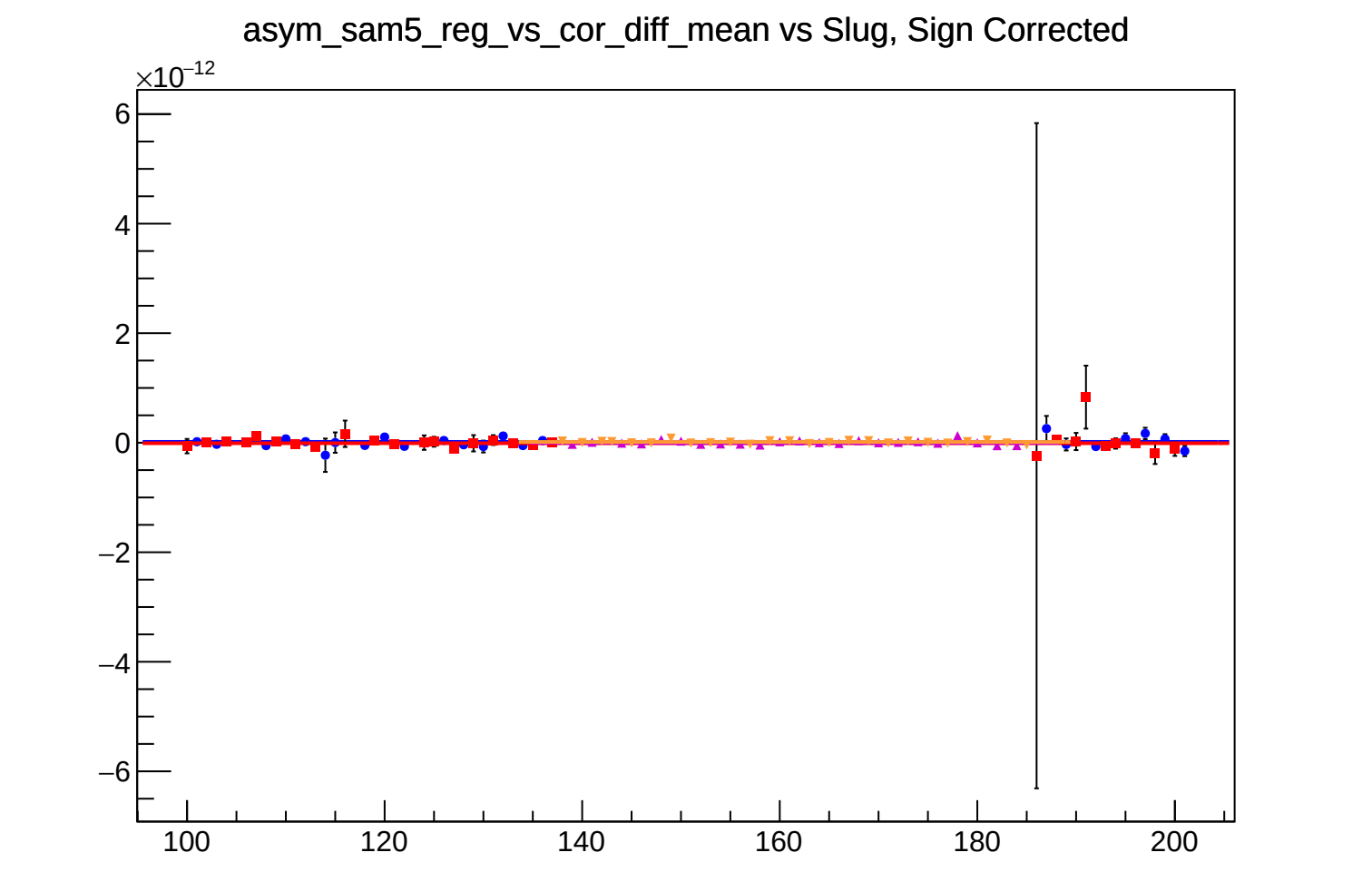
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 774.430+/-0.114 χ^2/NDF: 5436669.0/50

In: 891.309+/-0.118 χ^2/NDF:3370682.1/45

Out: 873.016+/-0.112 χ^2/NDF:4732828.8/52

All: 881.725+/-0.081 χ^2/NDF: 8116175.9/98



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: 19.7/27

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

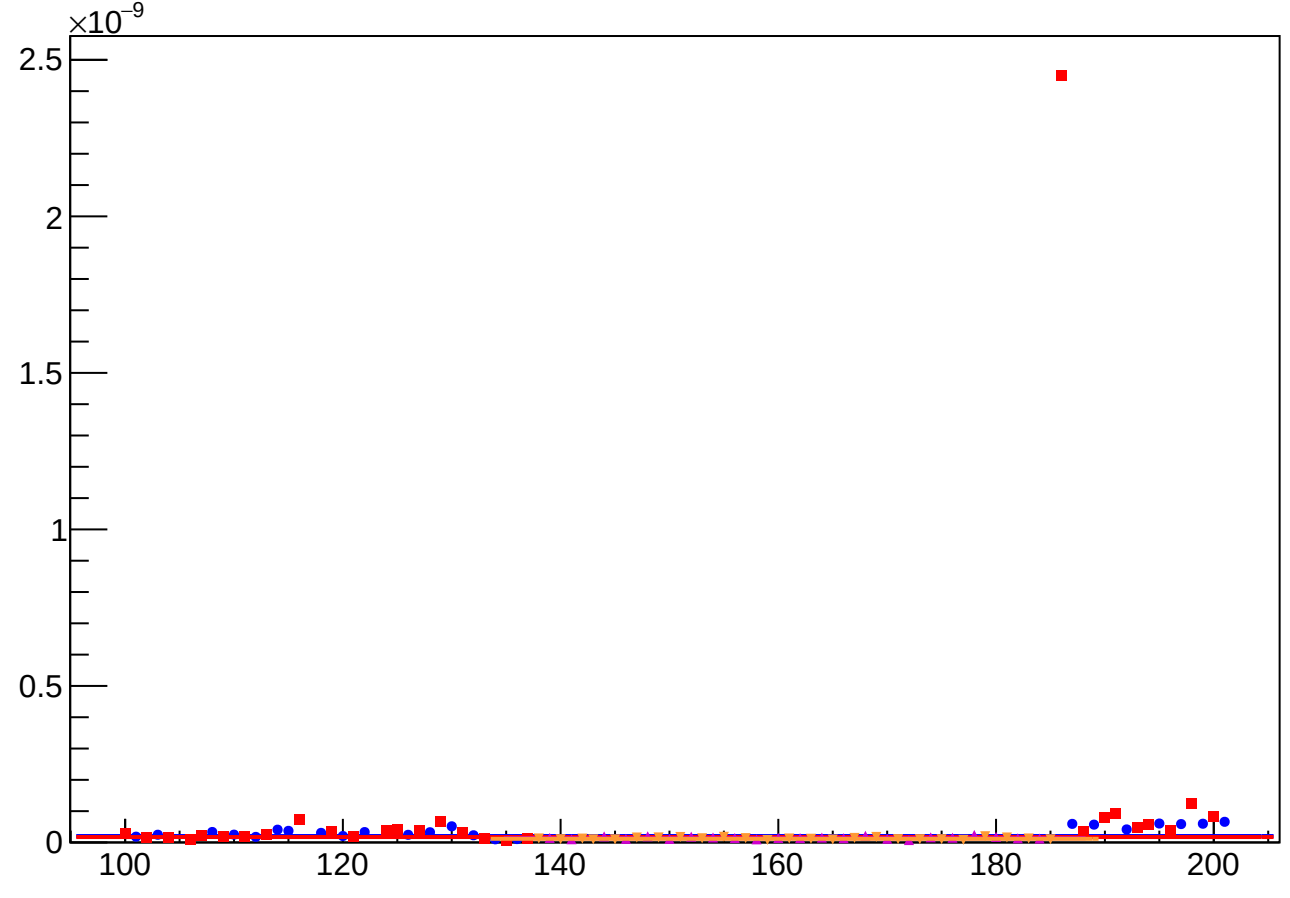
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.8/50

In: 0.000+/-0.000 χ^2/NDF:57.3/45

Out: 0.000+/-0.000 χ^2/NDF:48.0/52

All: 0.000+/-0.000 χ^2/NDF: 106.8/98



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: 4795074.9/27

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

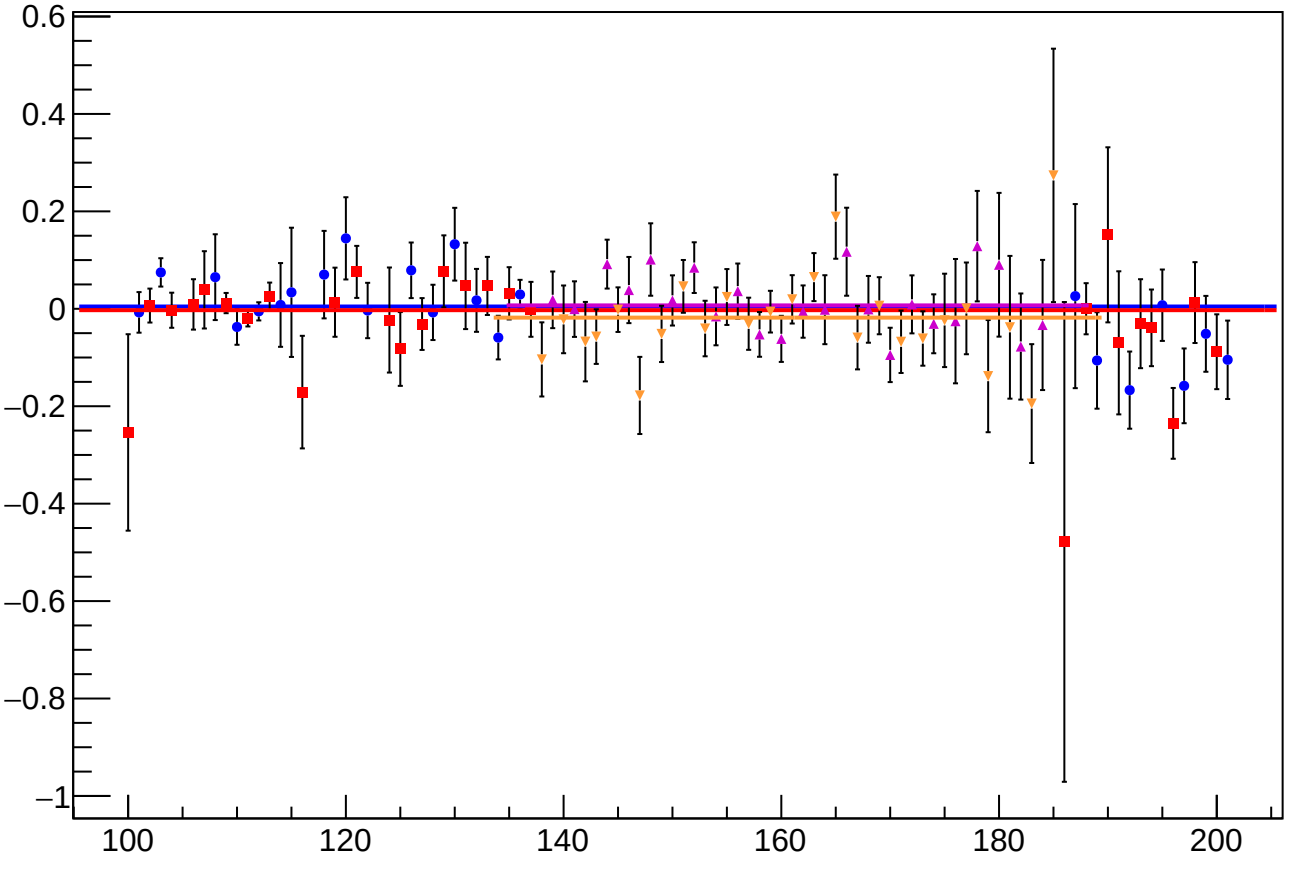
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8166362.5/50

In: 0.000+/-0.000 χ^2/NDF:4873751.2/45

Out: 0.000+/-0.000 χ^2/NDF:6171156.4/52

All: 0.000+/-0.000 χ^2/NDF: 11261076.4/98



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: -0.003+/-0.009 χ^2/NDF: 26.5/27

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

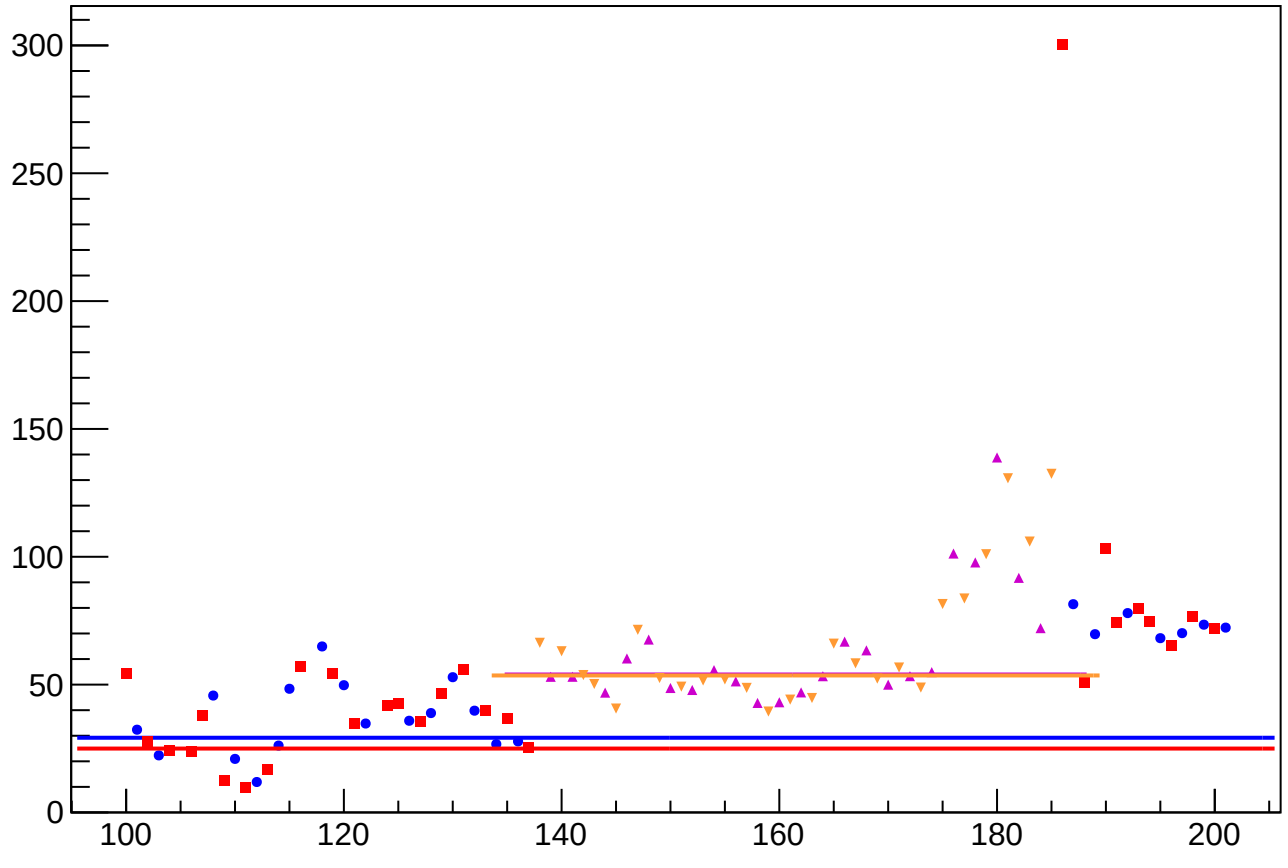
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 58.3/50

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.002+/-0.005 χ^2/NDF: 103.6/98



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: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

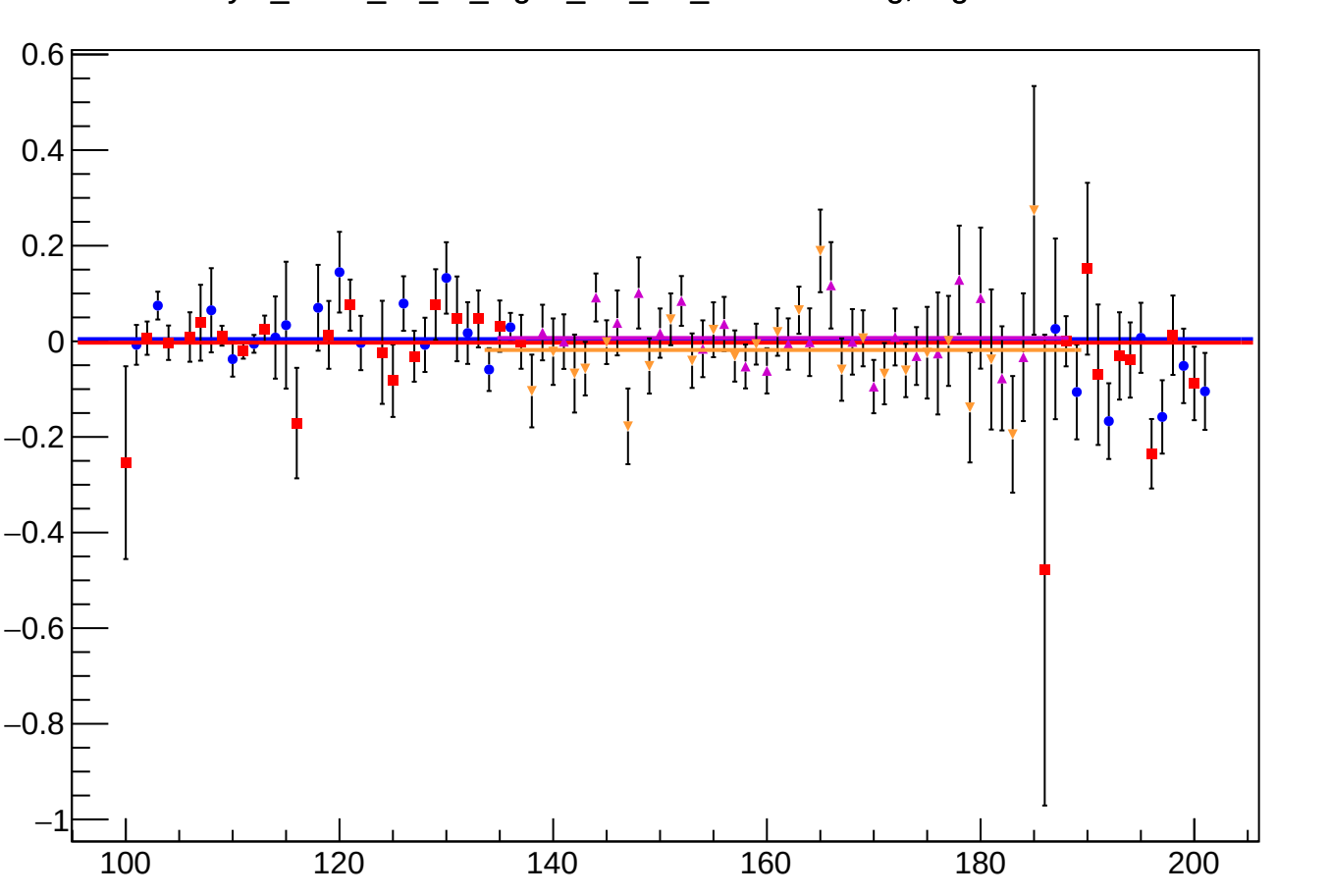
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.819+/-0.005 χ^2/NDF: 16099629.4/50

In: 38.313+/-0.006 χ^2/NDF:12956398.5/45

Out: 34.135+/-0.005 χ^2/NDF:18859365.6/52

All: 36.017+/-0.004 χ^2/NDF: 32115714.4/98



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: -0.003+/-0.009 χ^2/NDF: 26.5/27

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

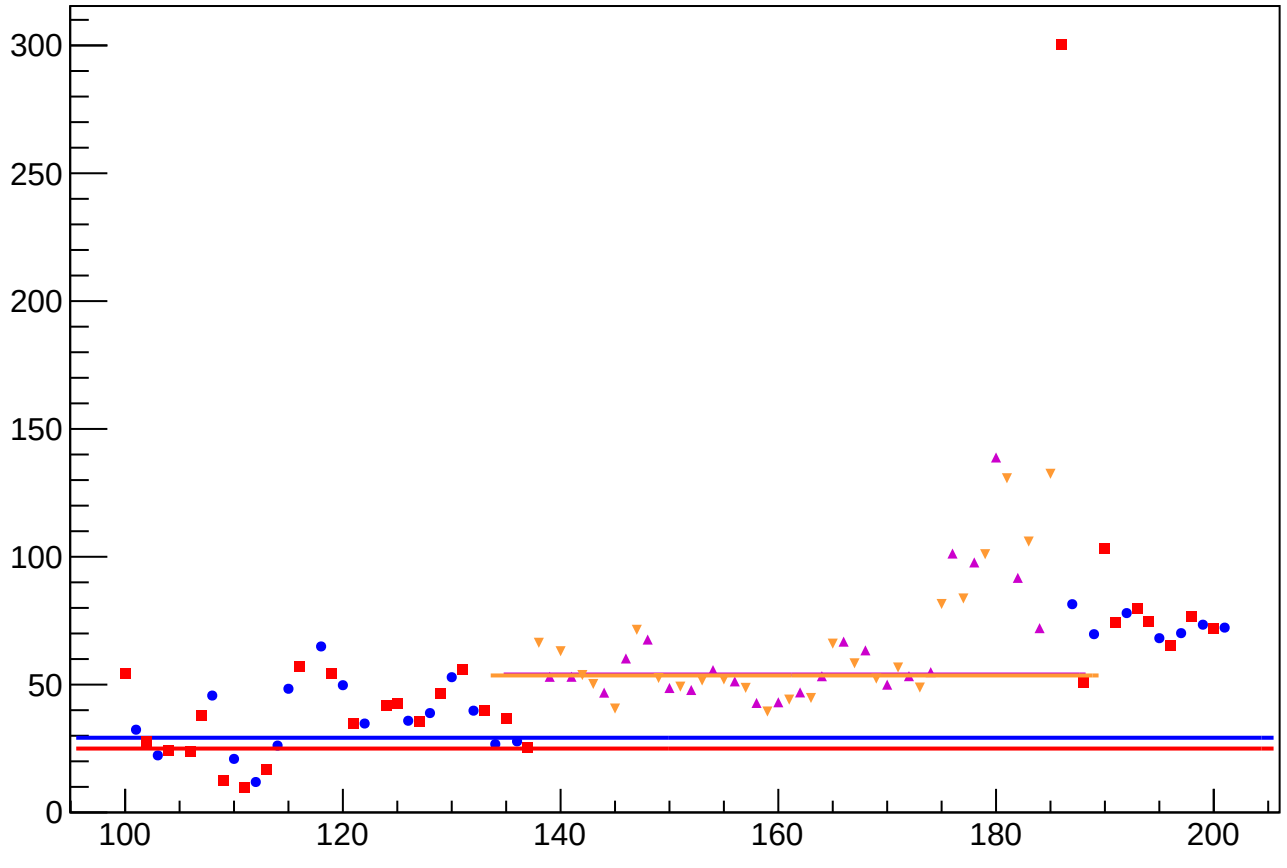
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 58.3/50

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.002+/-0.005 χ^2/NDF: 103.6/98



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: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

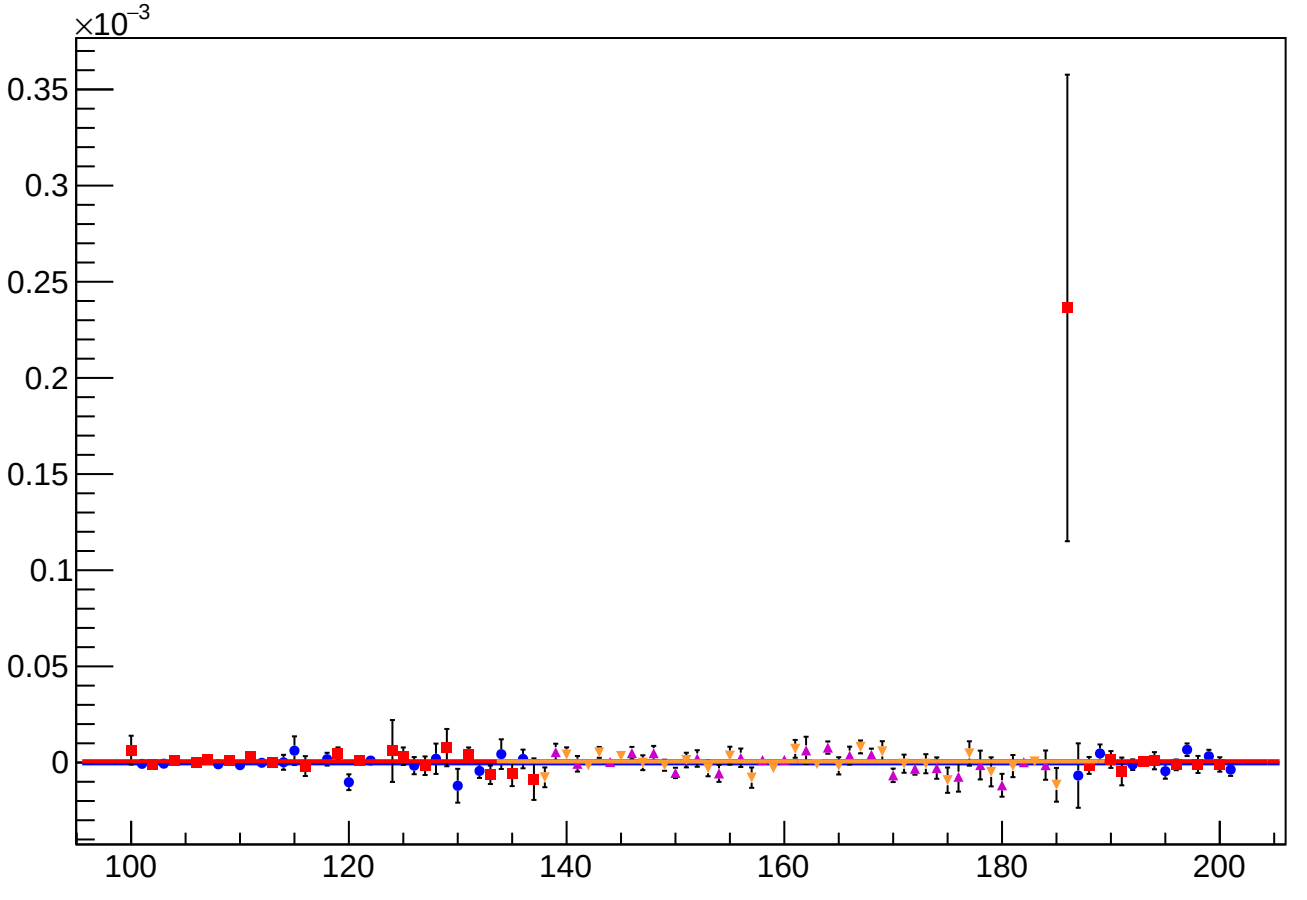
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.819+/-0.005 χ^2/NDF: 16099629.4/50

In: 38.313+/-0.006 χ^2/NDF:12956398.5/45

Out: 34.135+/-0.005 χ^2/NDF:18859365.6/52

All: 36.017+/-0.004 χ^2/NDF: 32115714.4/98



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: 17.4/27

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

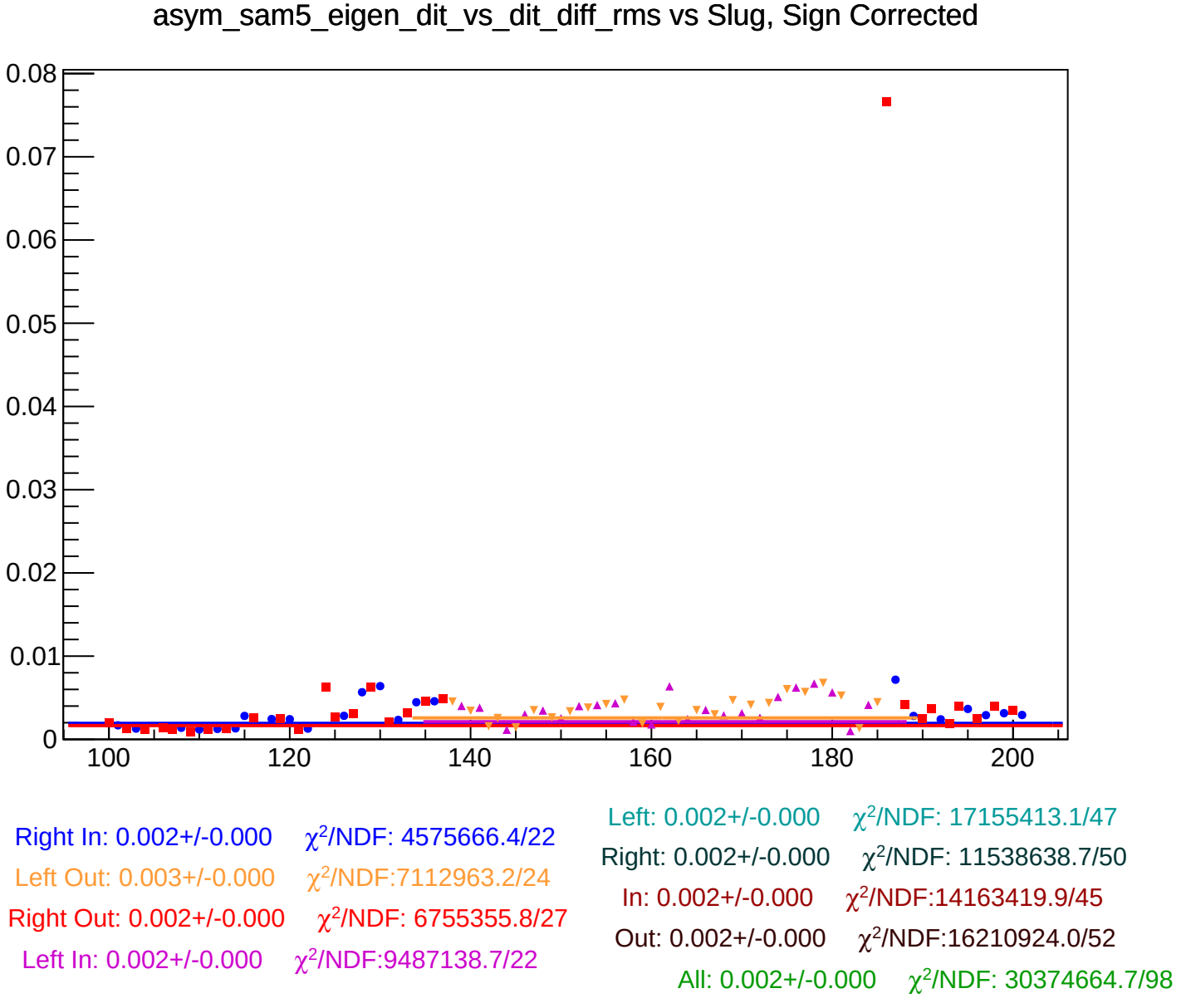
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 40.2/50

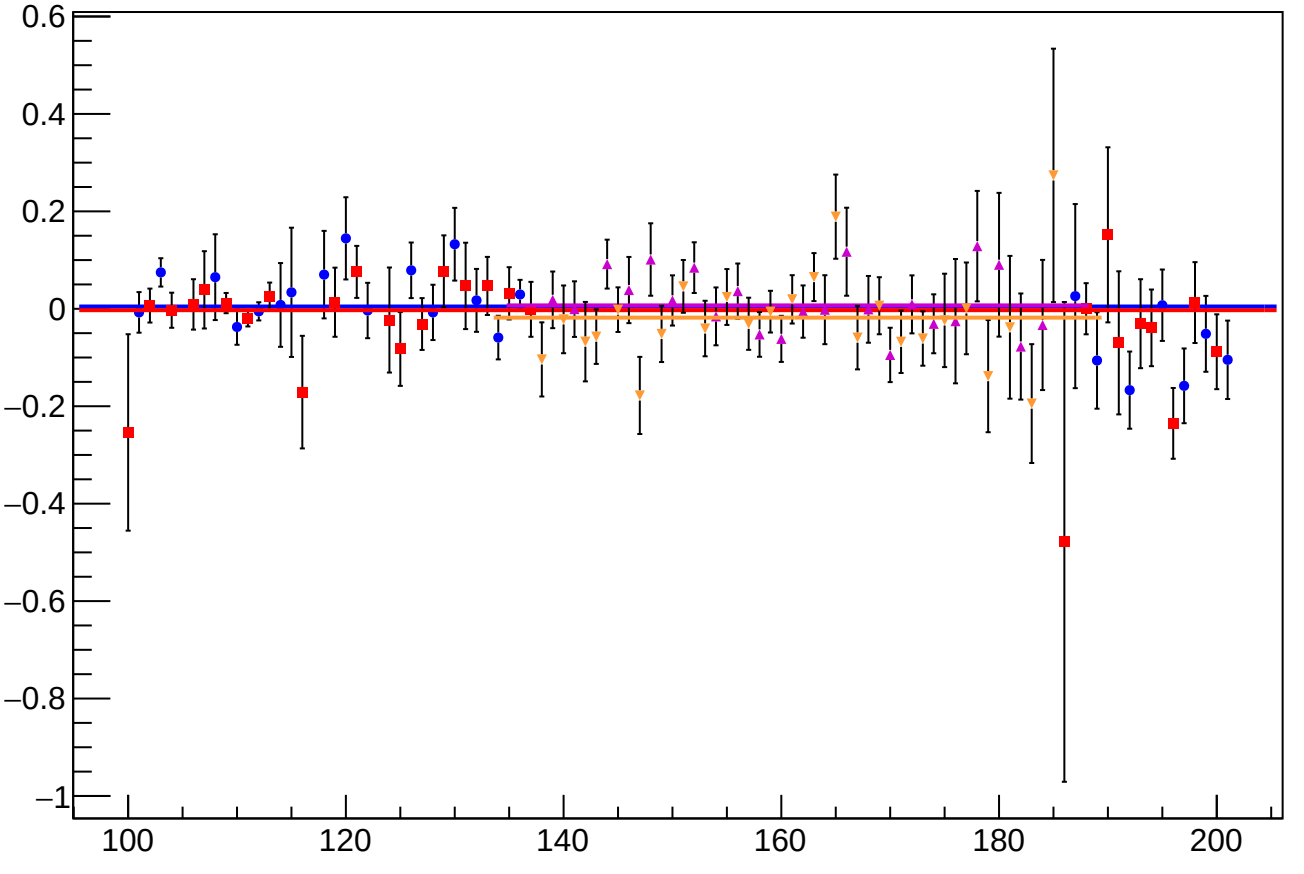
In: -0.000+/-0.000 χ^2/NDF:52.6/45

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: 0.000+/-0.000 χ^2/NDF: 102.3/98


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 4575666.4/22
Left Out: 0.003+/-0.000 χ²/NDF:7112963.2/24
Right Out: 0.002+/-0.000 χ²/NDF: 6755355.8/27
Left In: 0.002+/-0.000 χ²/NDF:9487138.7/22
Left: 0.002+/-0.000 χ²/NDF: 17155413.1/47
Right: 0.002+/-0.000 χ²/NDF: 11538638.7/50
In: 0.002+/-0.000 χ²/NDF:14163419.9/45
Out: 0.002+/-0.000 χ²/NDF:16210924.0/52
All: 0.002+/-0.000 χ²/NDF: 30374664.7/98

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: -0.003+/-0.009 χ^2/NDF: 26.5/27

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

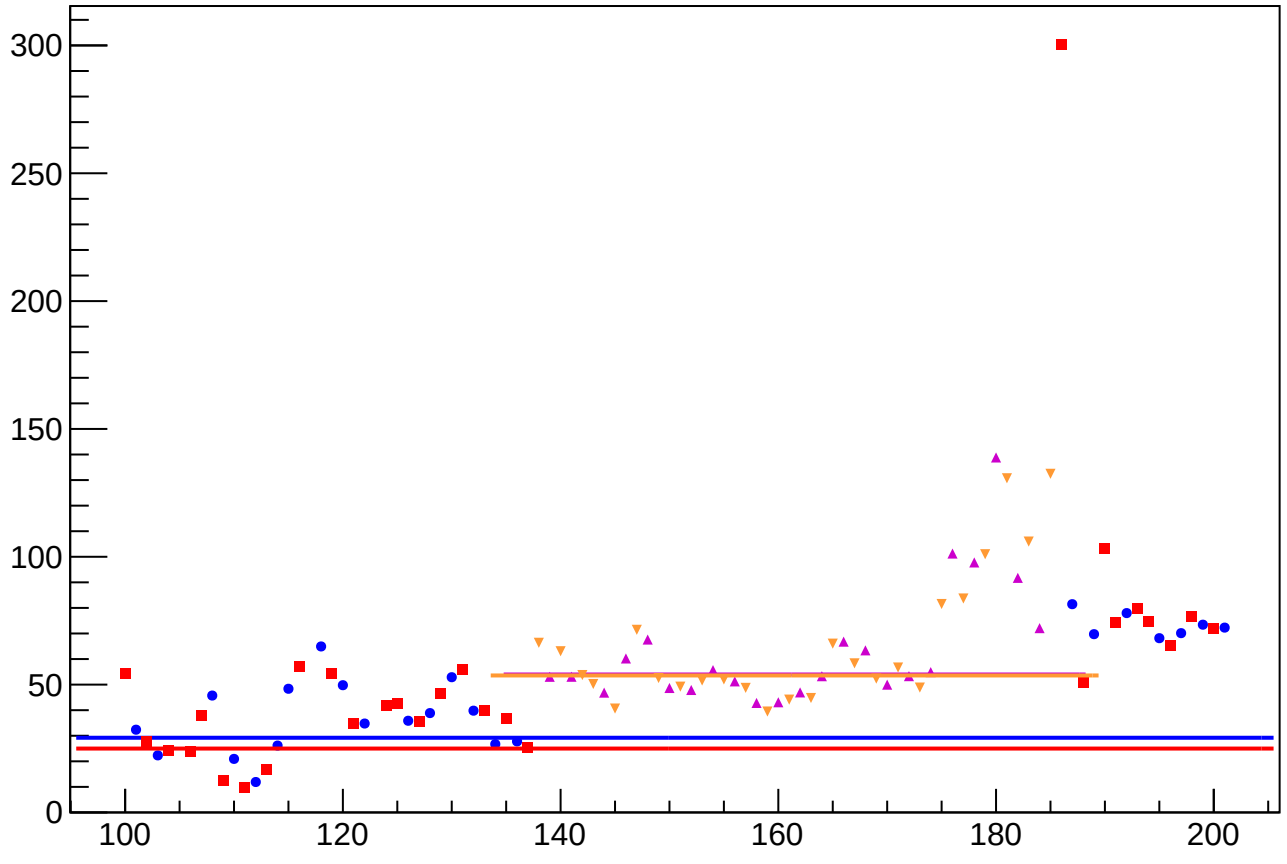
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 58.3/50

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.002+/-0.005 χ^2/NDF: 103.6/98



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: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

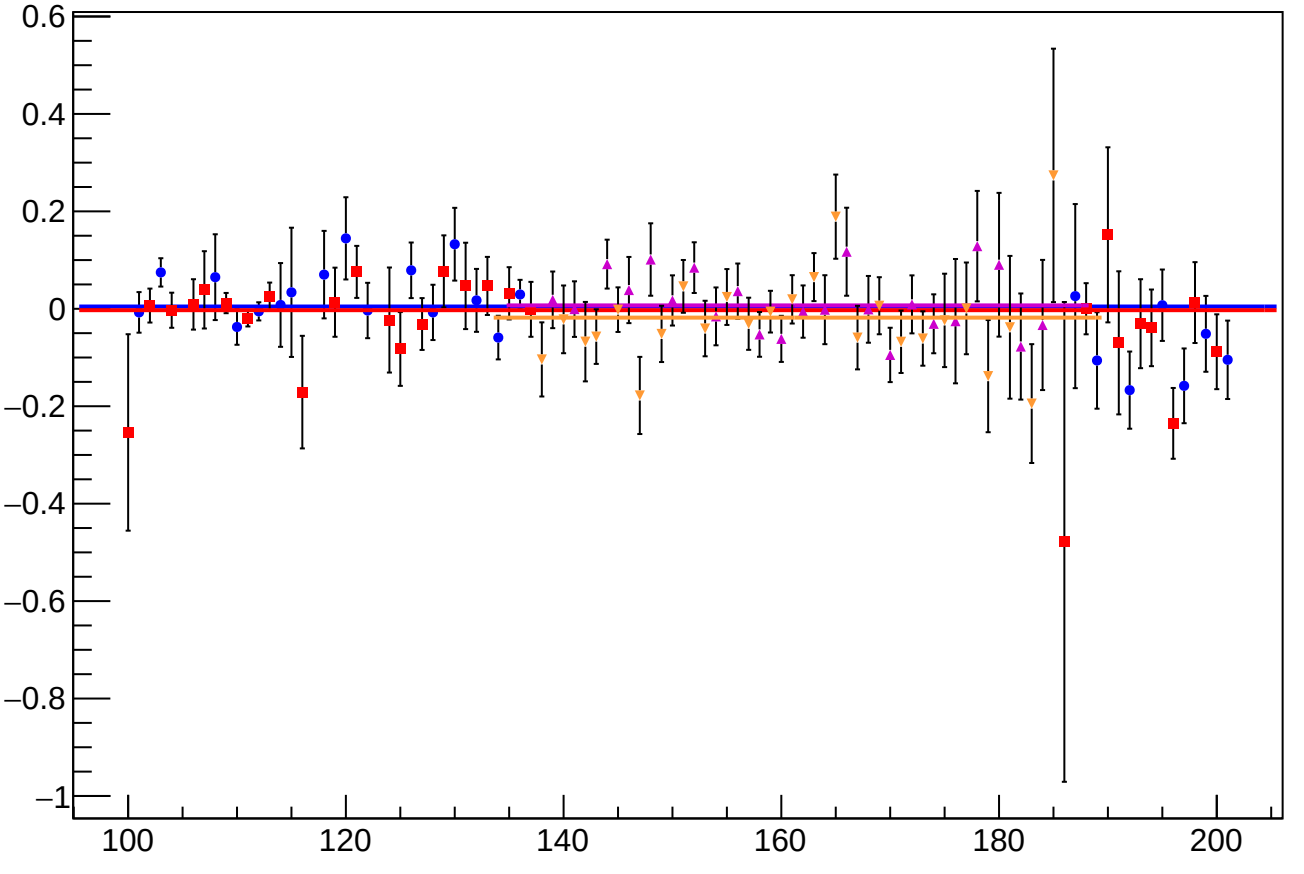
Right: 26.819+/-0.005 χ^2/NDF: 16099826.5/50

In: 38.313+/-0.006 χ^2/NDF:12956865.0/45

Out: 34.135+/-0.005 χ^2/NDF:18860018.7/52

All: 36.016+/-0.004 χ^2/NDF: 32116853.6/98

asym_sam5_eigen_dit_vs_eigen_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: -0.003+/-0.009 χ^2/NDF: 26.5/27

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

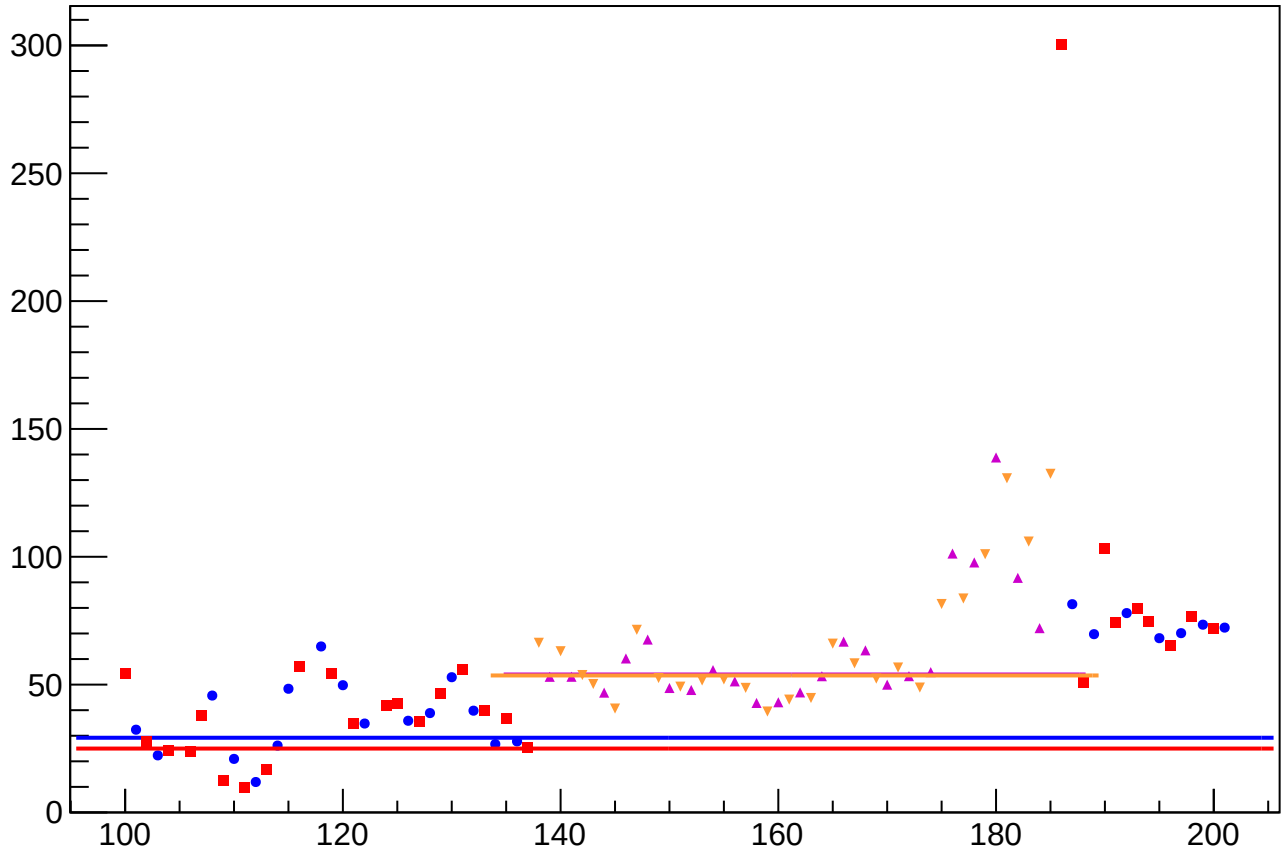
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 58.3/50

In: 0.006+/-0.008 χ^2/NDF:50.3/45

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.002+/-0.005 χ^2/NDF: 103.6/98



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: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

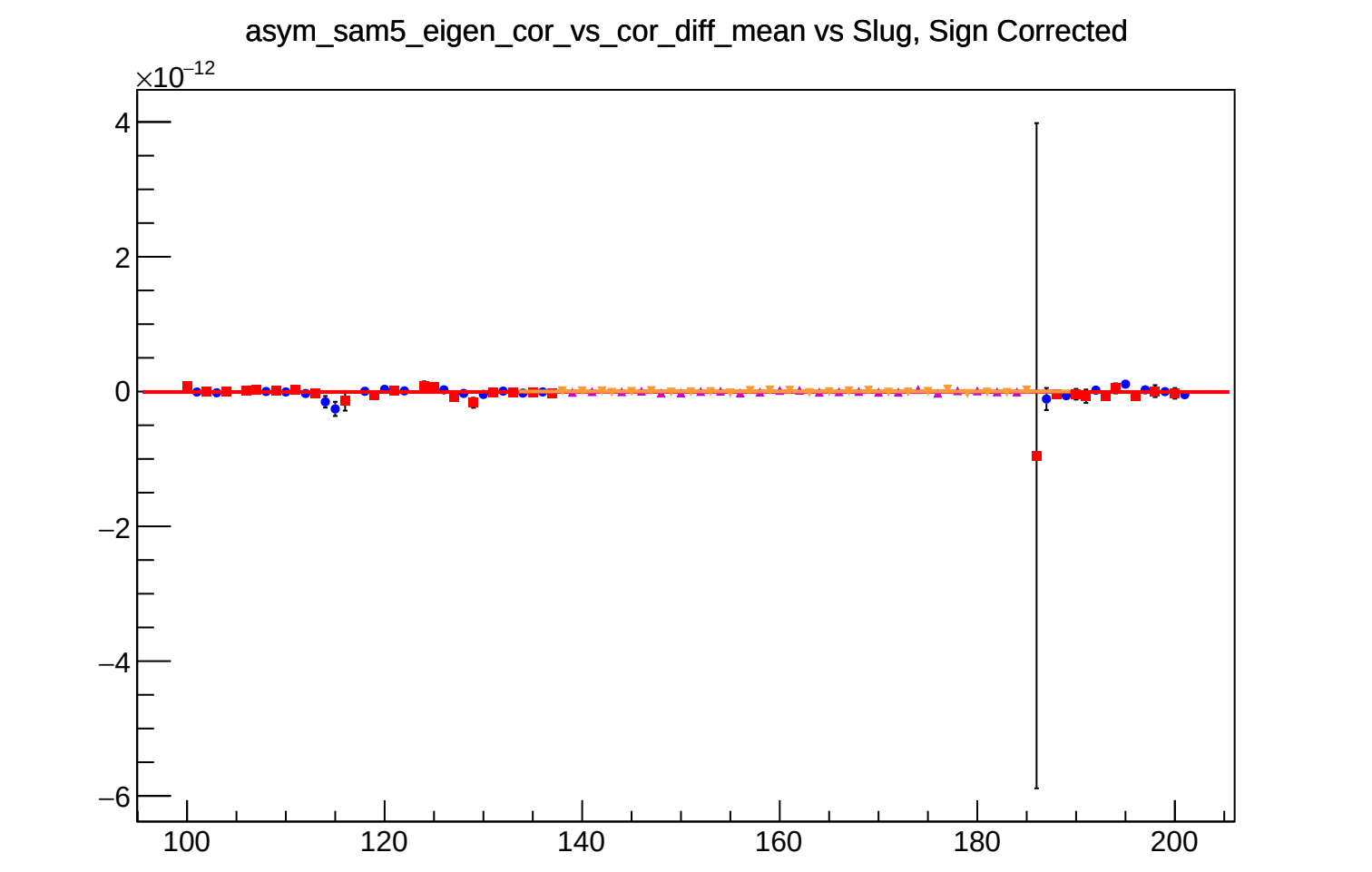
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 26.819+/-0.005 χ^2/NDF: 16099826.5/50

In: 38.313+/-0.006 χ^2/NDF:12956865.0/45

Out: 34.135+/-0.005 χ^2/NDF:18860018.7/52

All: 36.016+/-0.004 χ^2/NDF: 32116853.6/98



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: 33.7/27

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

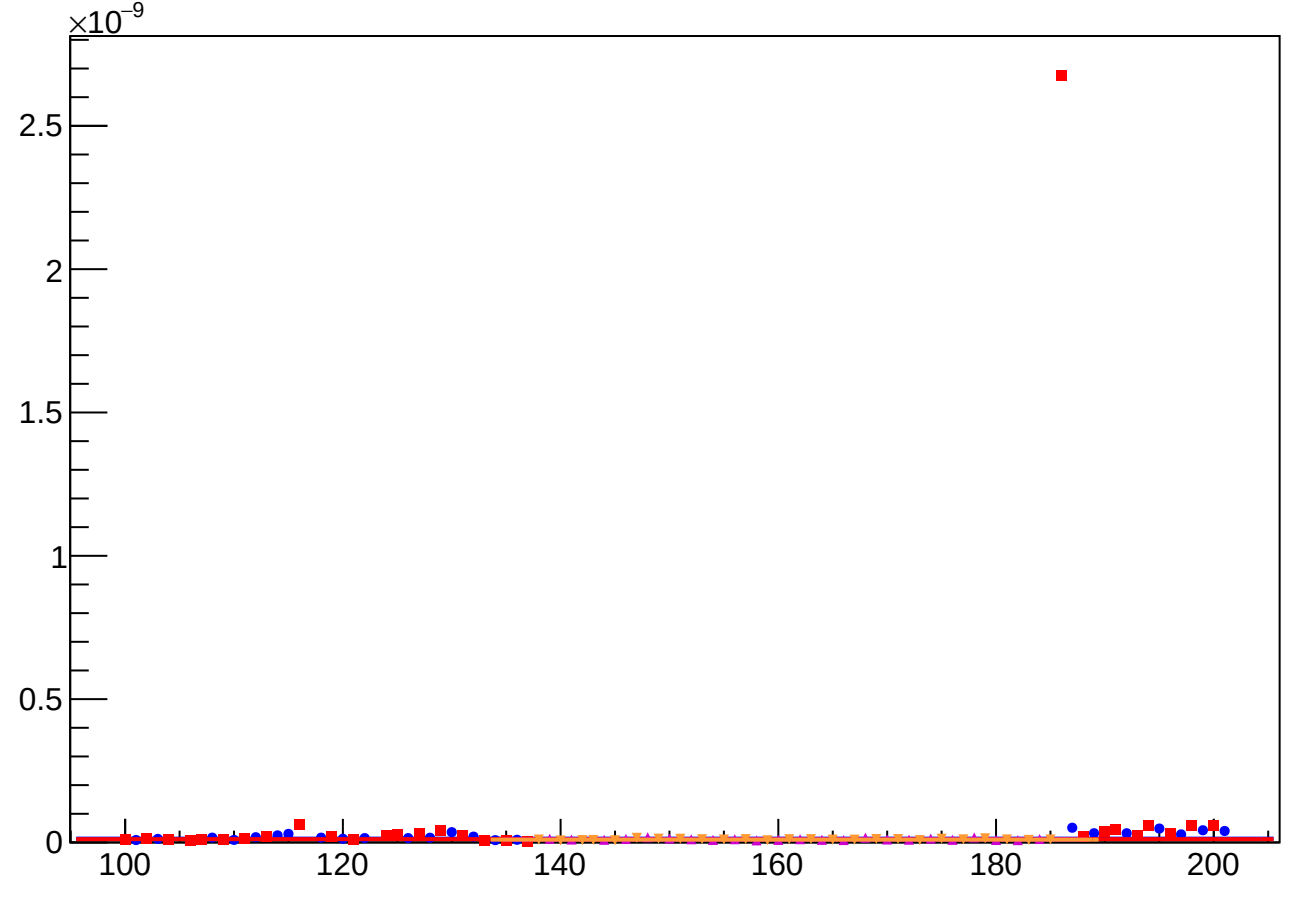
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 54.5/50

In: -0.000+/-0.000 χ^2/NDF:40.0/45

Out: -0.000+/-0.000 χ^2/NDF:62.7/52

All: -0.000+/-0.000 χ^2/NDF: 102.9/98



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: 6822298.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

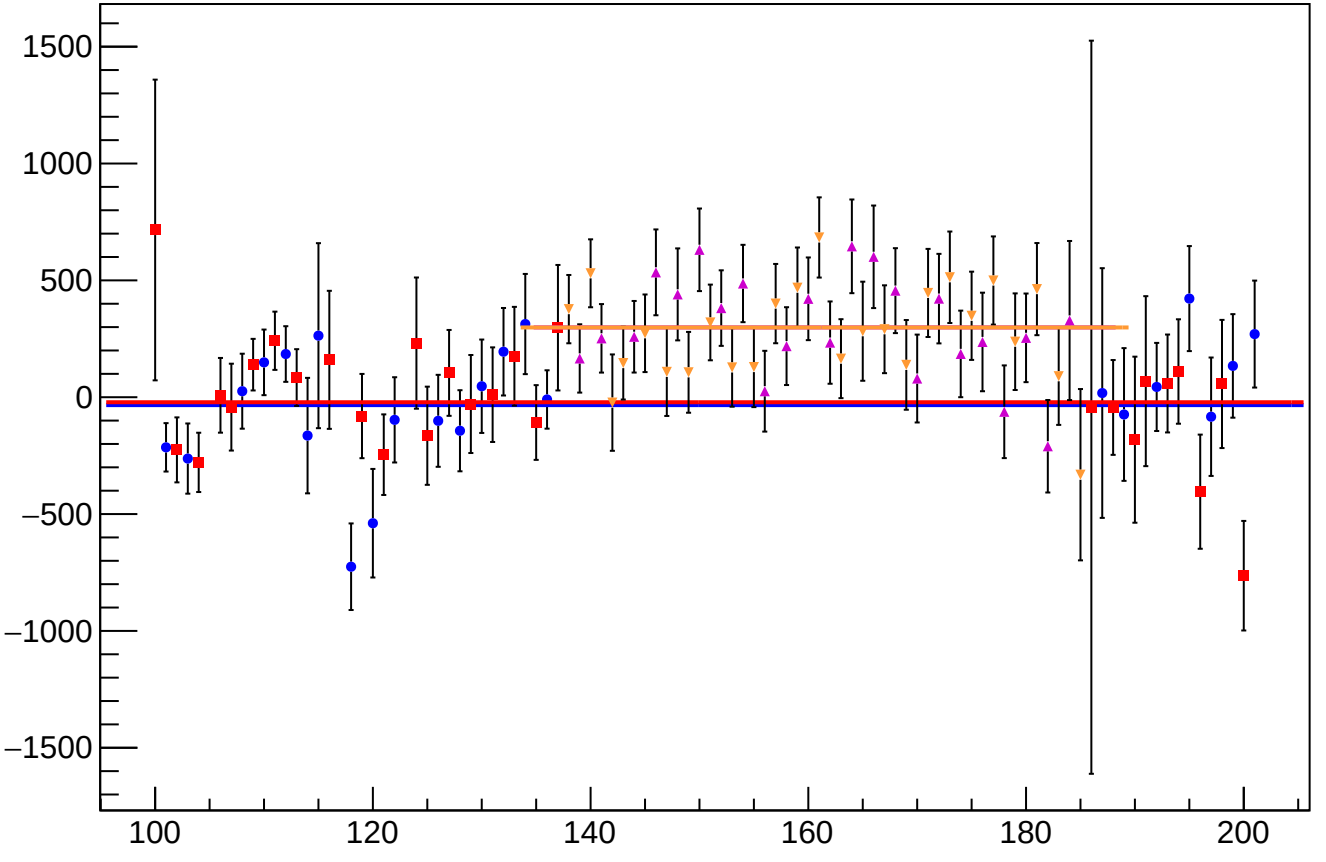
Right: 0.000+/-0.000 χ^2/NDF: 10978971.5/50

In: 0.000+/-0.000 χ^2/NDF:5839977.0/45

Out: 0.000+/-0.000 χ^2/NDF:8187735.9/52

All: 0.000+/-0.000 χ^2/NDF: 14090782.3/98

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: -21.489+/-35.505 χ^2/NDF: 34.8/27

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

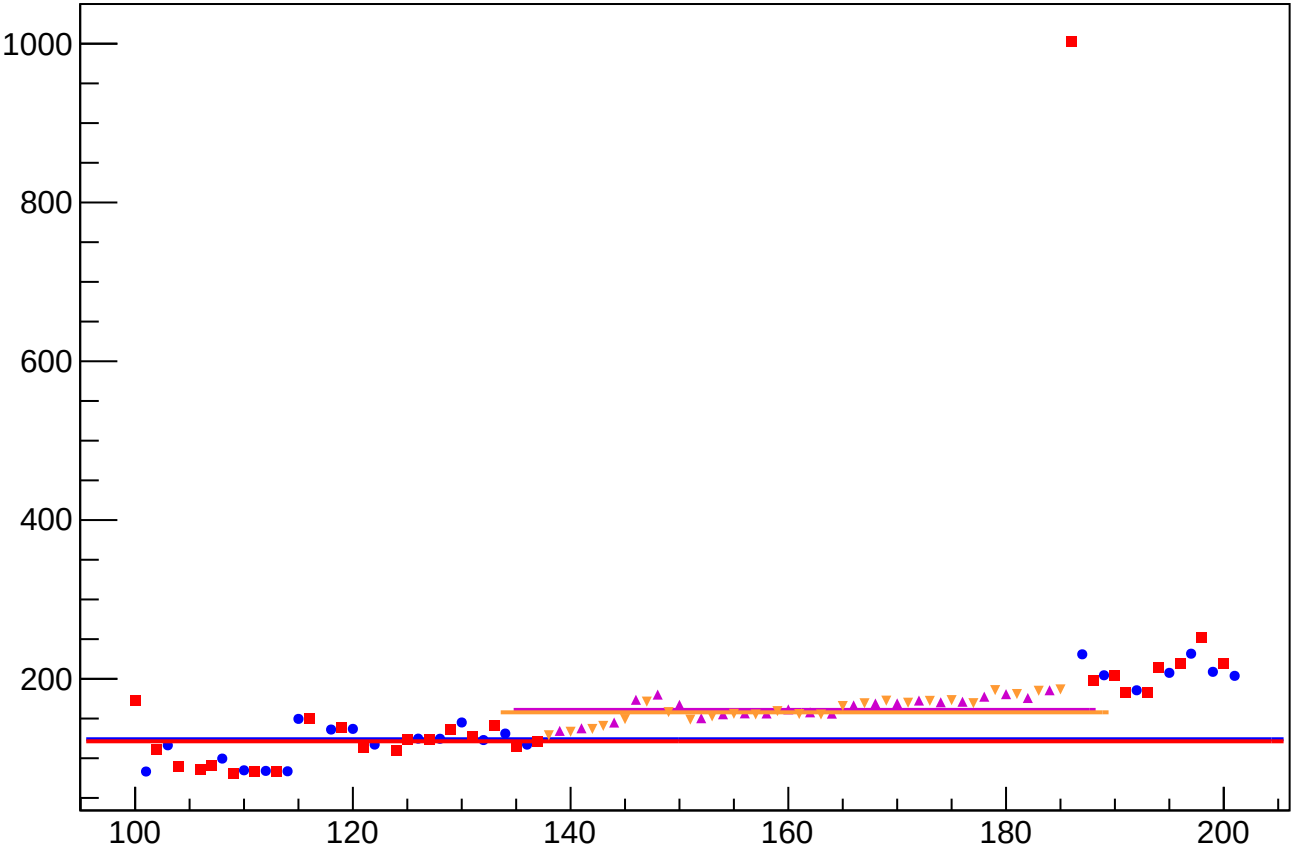
Right: -27.330+/-25.744 χ^2/NDF: 76.6/50

In: 130.908+/-26.554 χ^2/NDF:110.3/45

Out: 136.075+/-25.297 χ^2/NDF:100.8/52

All: 133.617+/-18.316 χ^2/NDF: 211.2/98

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: 121.337+/-0.025 χ^2/NDF: 3763379.8/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

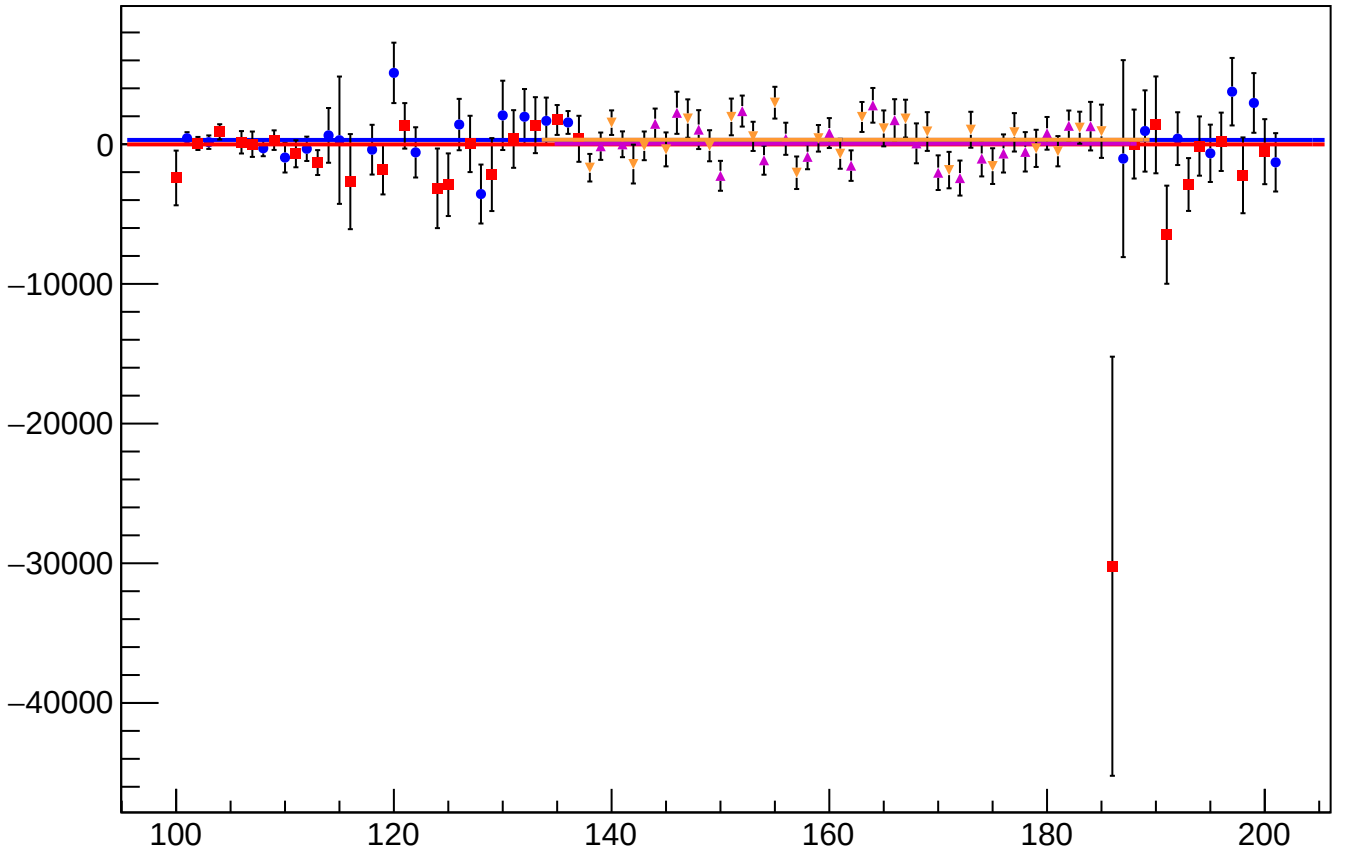
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 122.554+/-0.018 χ^2/NDF: 6248826.0/50

In: 142.219+/-0.019 χ^2/NDF:3718006.3/45

Out: 139.309+/-0.018 χ^2/NDF:5181233.7/52

All: 140.693+/-0.013 χ^2/NDF: 8911832.6/98



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: -12.727+/-223.950 χ^2/NDF: 26.8/27

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

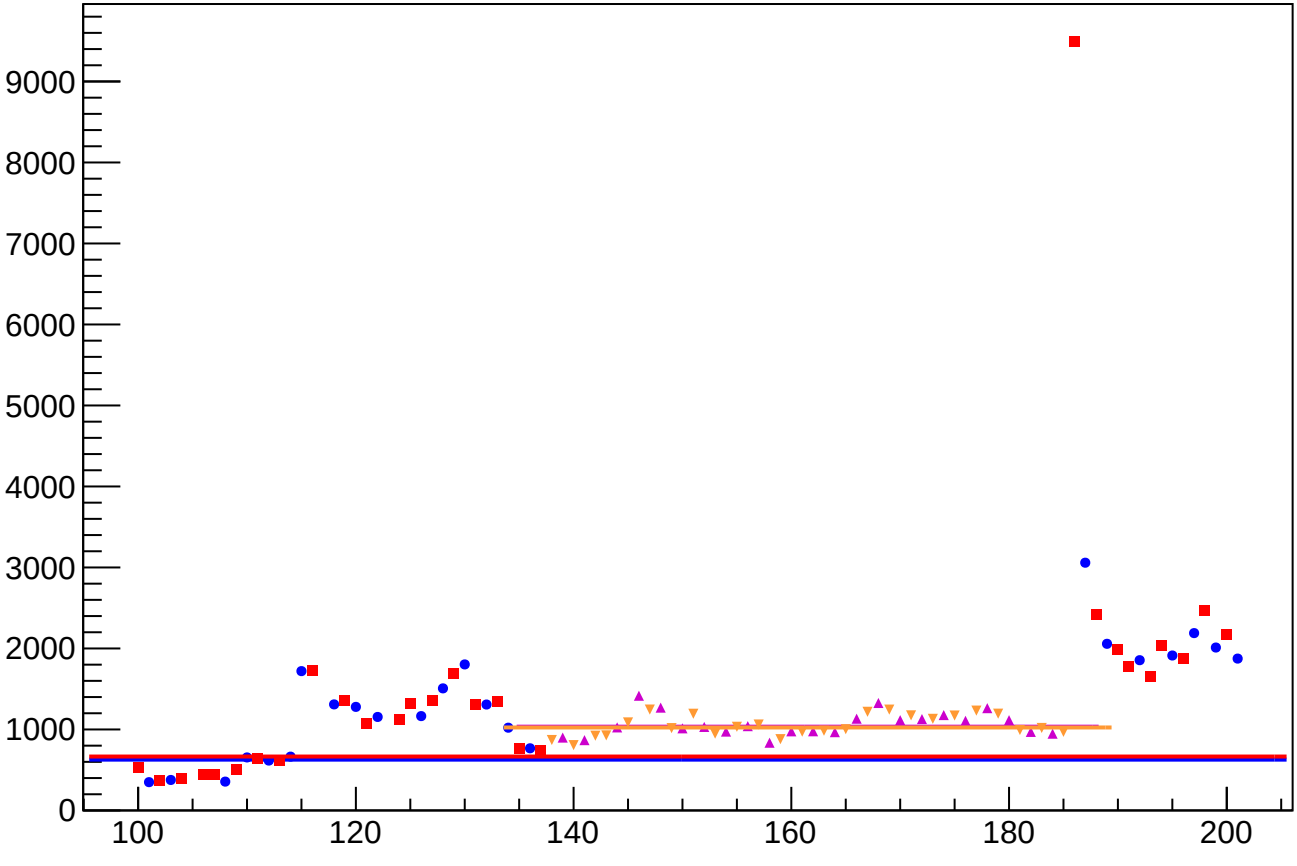
Right: 147.251+/-158.096 χ^2/NDF: 48.8/50

In: 184.627+/-164.743 χ^2/NDF:56.4/45

Out: 145.546+/-162.150 χ^2/NDF:60.4/52

All: 164.776+/-115.563 χ^2/NDF: 116.8/98

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: 665.688+/-0.158 χ^2/NDF: 9467125.4/27

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

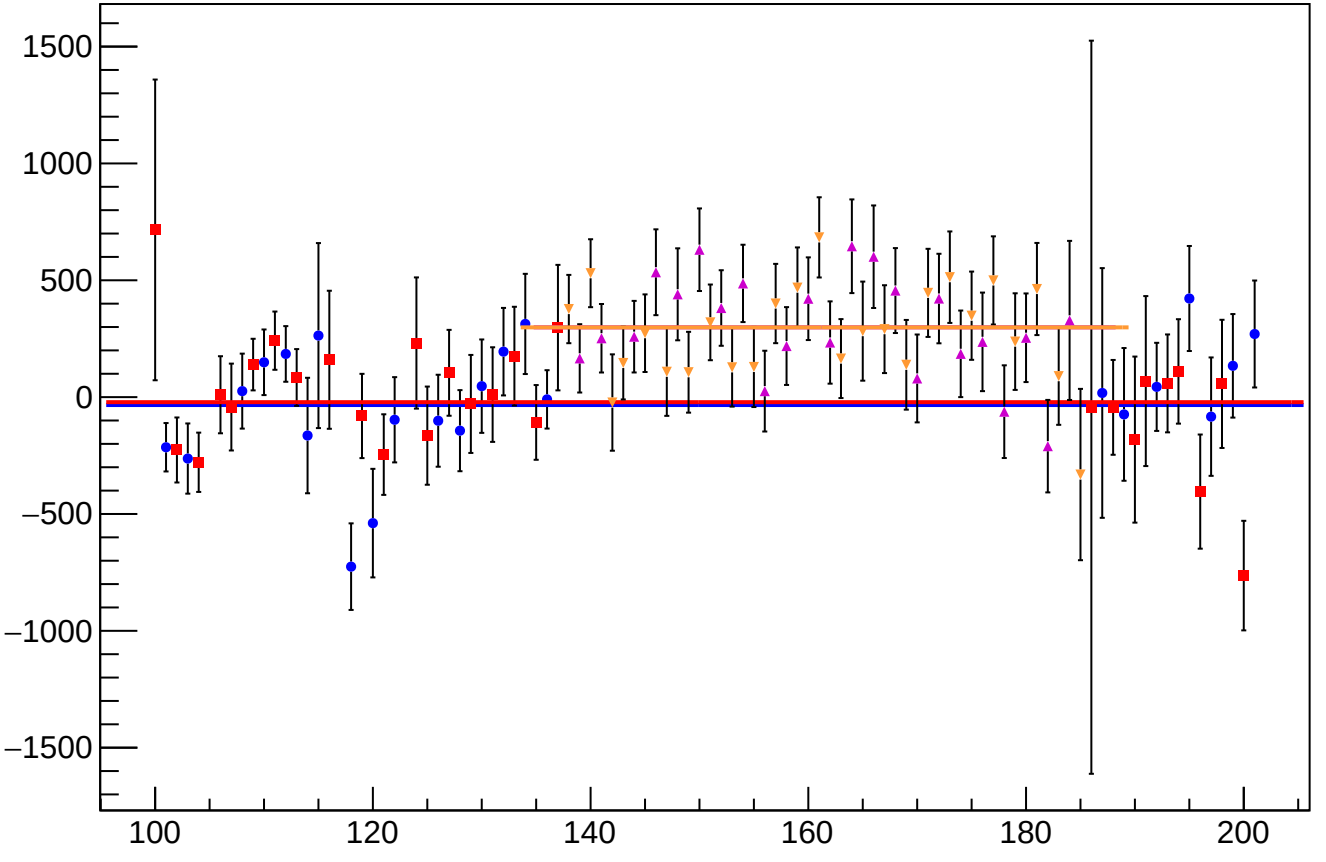
Right: 646.480+/-0.112 χ^2/NDF: 18184441.9/50

In: 812.711+/-0.116 χ^2/NDF:12344198.4/45

Out: 836.393+/-0.115 χ^2/NDF:12507241.1/52

All: 824.740+/-0.082 χ^2/NDF: 24872431.4/98

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: -21.520+/-35.559 χ^2/NDF: 34.8/27

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

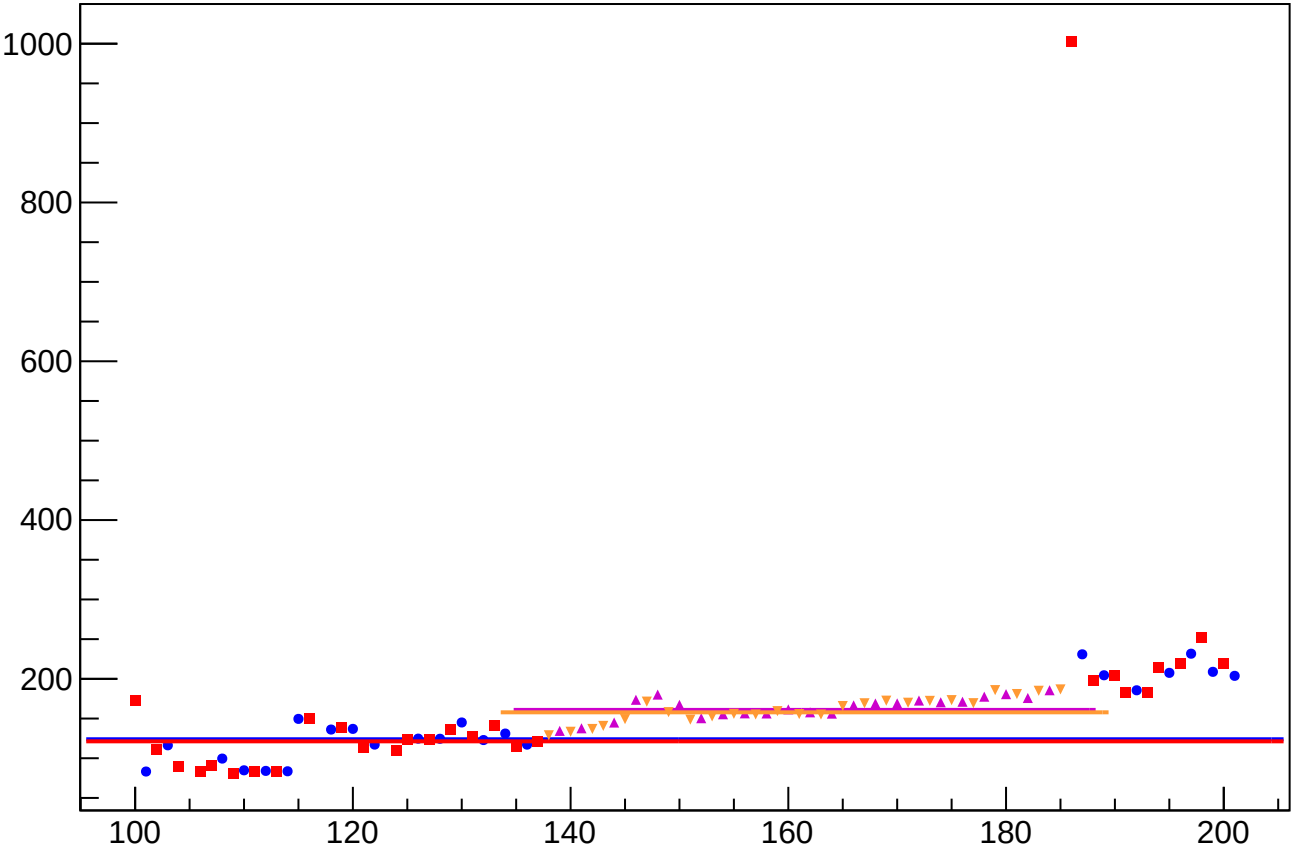
Right: -27.367+/-25.764 χ^2/NDF: 76.6/50

In: 130.900+/-26.554 χ^2/NDF:110.4/45

Out: 136.300+/-25.316 χ^2/NDF:100.8/52

All: 133.729+/-18.323 χ^2/NDF: 211.1/98

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: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

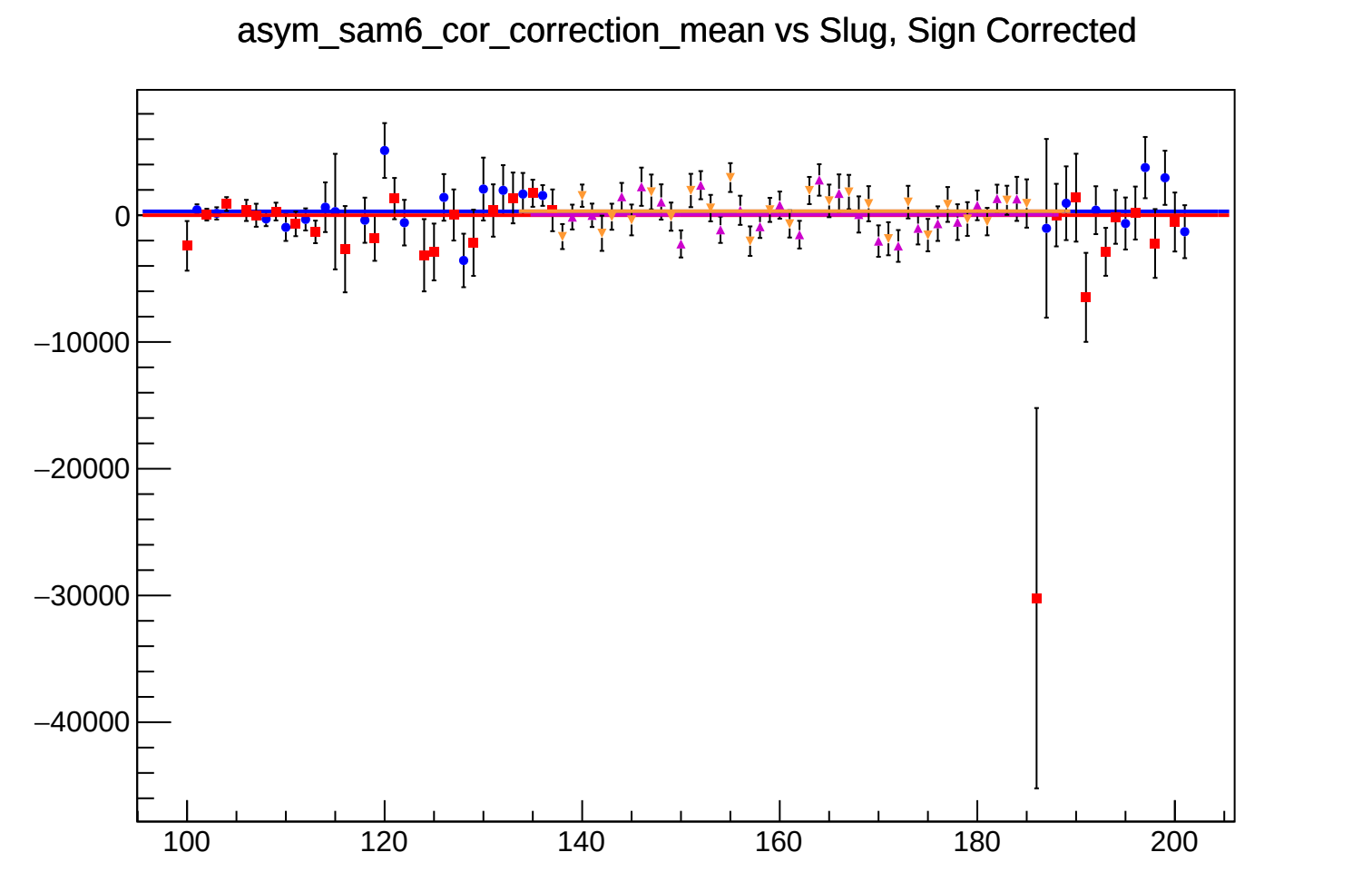
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 122.535+/-0.018 χ^2/NDF: 6260143.0/50

In: 142.219+/-0.019 χ^2/NDF:3718002.2/45

Out: 139.316+/-0.018 χ^2/NDF:5193133.1/52

All: 140.698+/-0.013 χ^2/NDF: 8923656.4/98



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: 3.319+/-224.513 χ^2/NDF: 27.0/27

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

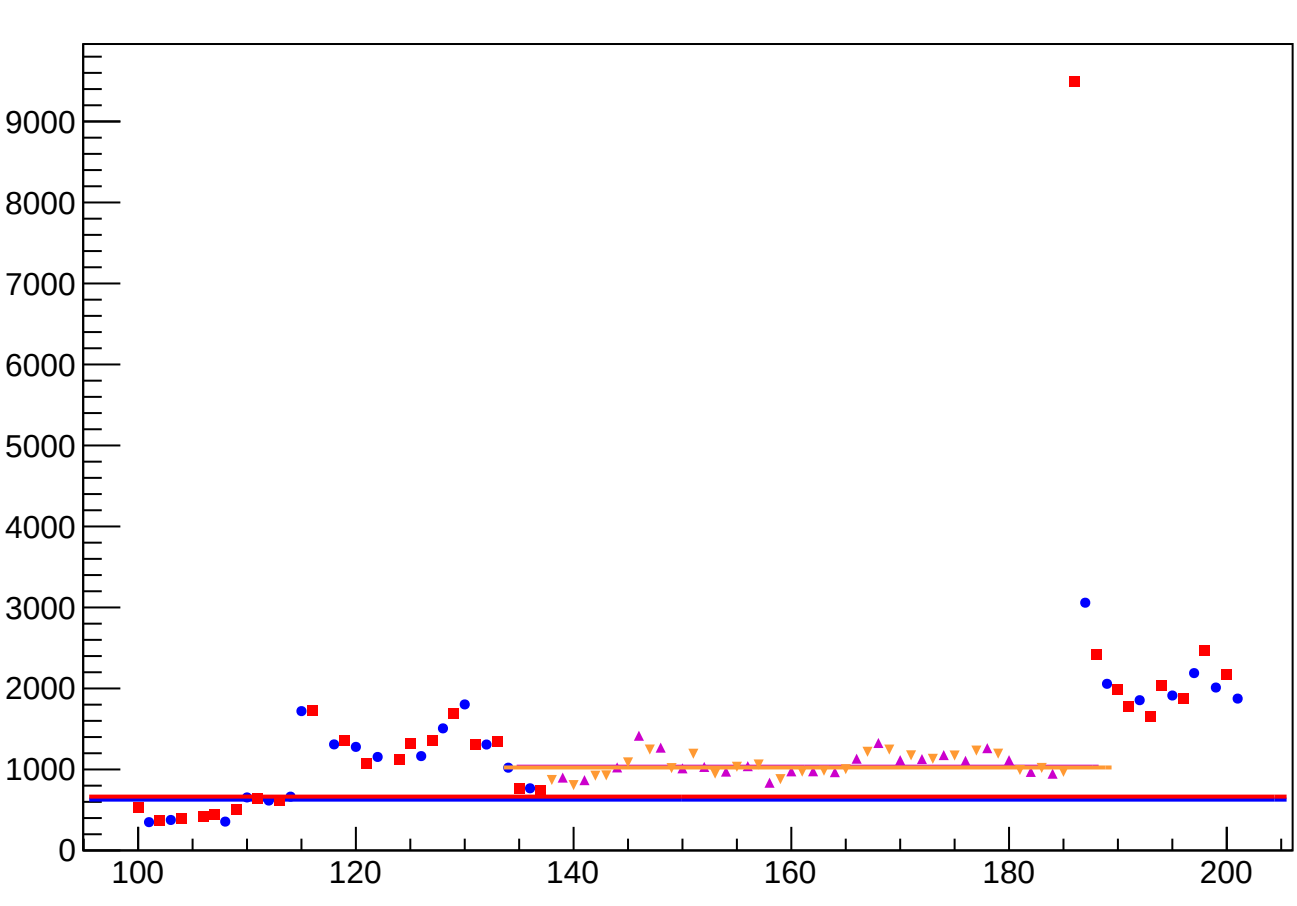
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 155.697+/-158.291 χ^2/NDF: 48.9/50

In: 184.701+/-164.740 χ^2/NDF:56.4/45

Out: 154.357+/-162.363 χ^2/NDF:60.5/52

All: 169.309+/-115.639 χ^2/NDF: 116.9/98



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: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

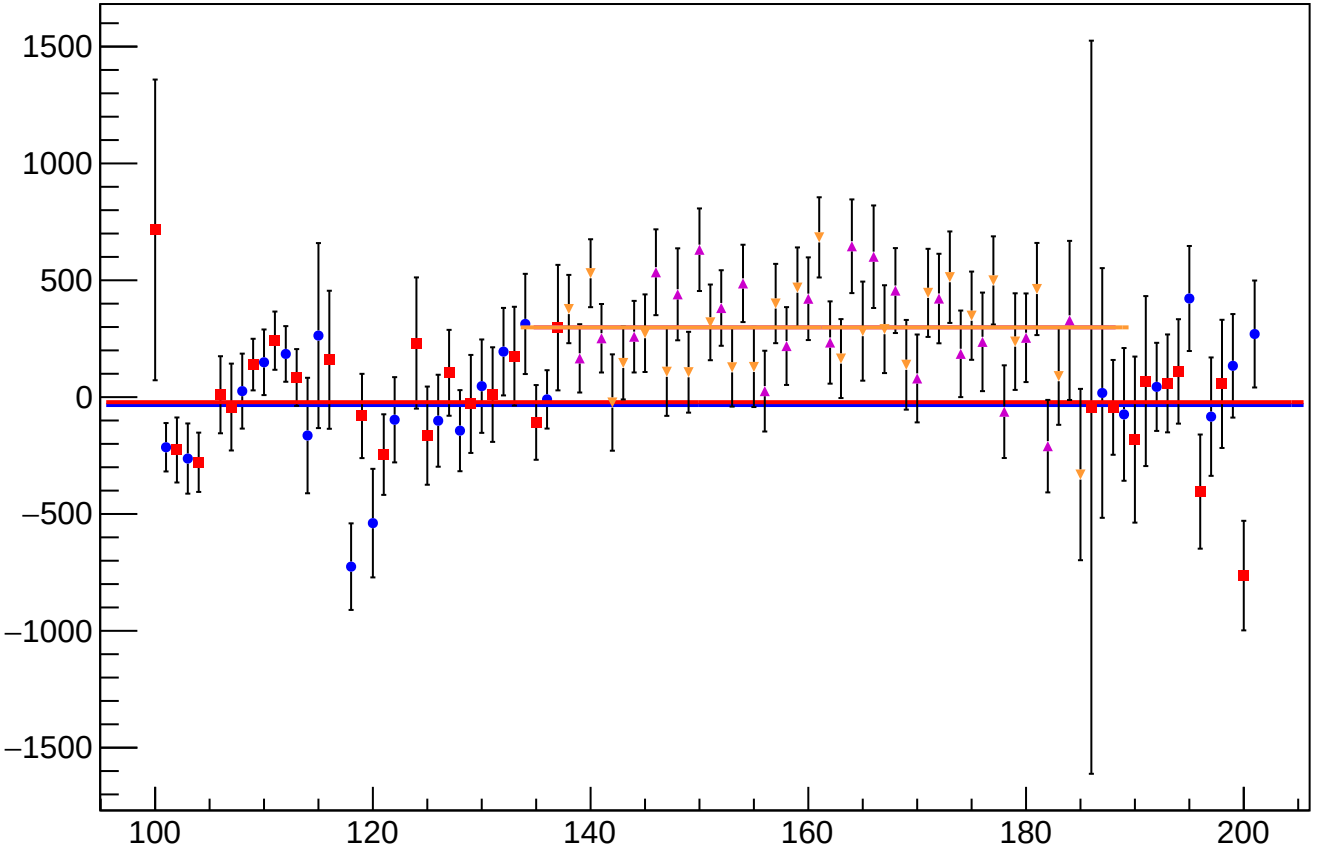
Right: 645.948+/-0.112 χ^2/NDF: 18212977.8/50

In: 812.691+/-0.116 χ^2/NDF:12345026.3/45

Out: 836.346+/-0.115 χ^2/NDF:12543941.1/52

All: 824.691+/-0.082 χ^2/NDF: 24909884.5/98

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: -21.520+/-35.559 χ^2/NDF: 34.8/27

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

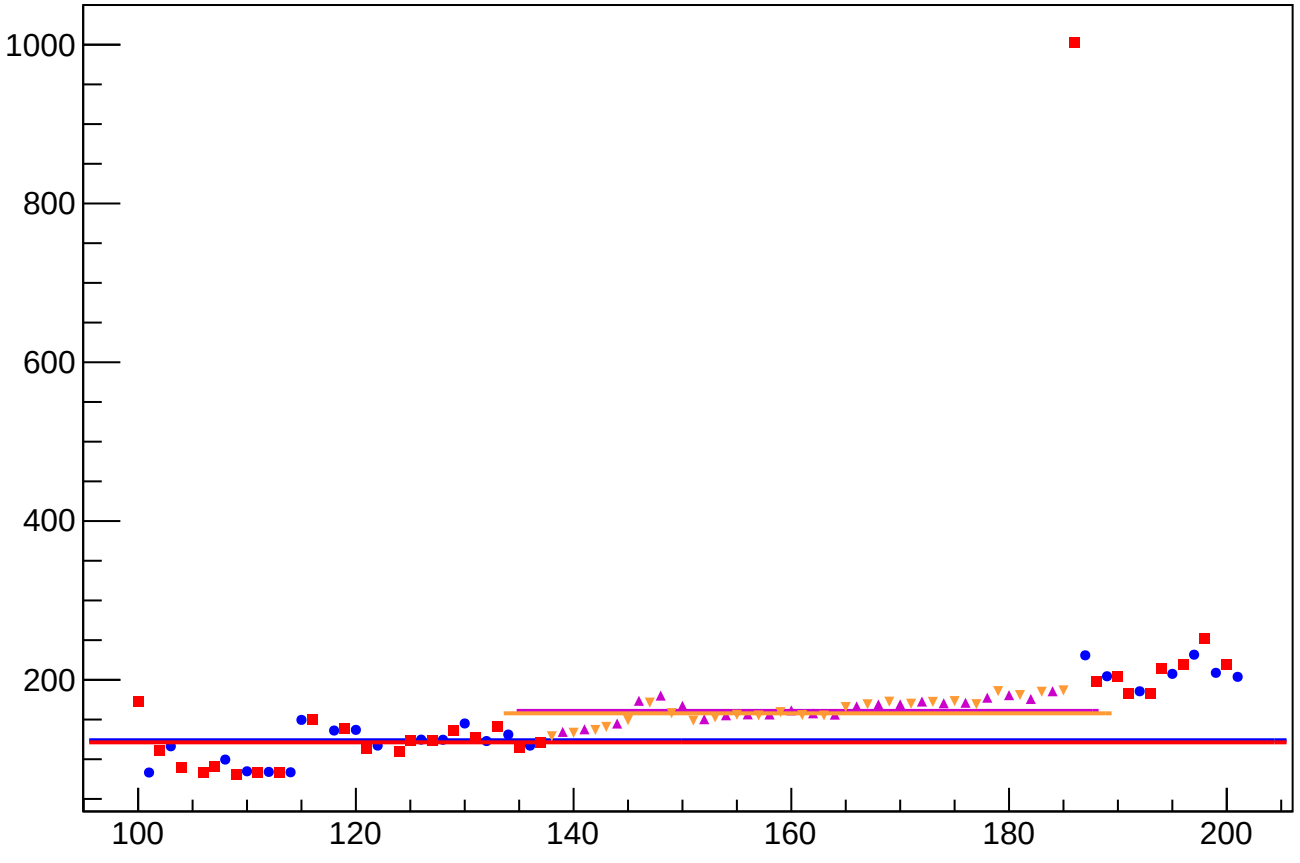
Right: -27.367+/-25.764 χ^2/NDF: 76.6/50

In: 130.900+/-26.554 χ^2/NDF:110.4/45

Out: 136.300+/-25.316 χ^2/NDF:100.8/52

All: 133.729+/-18.323 χ^2/NDF: 211.1/98

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: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

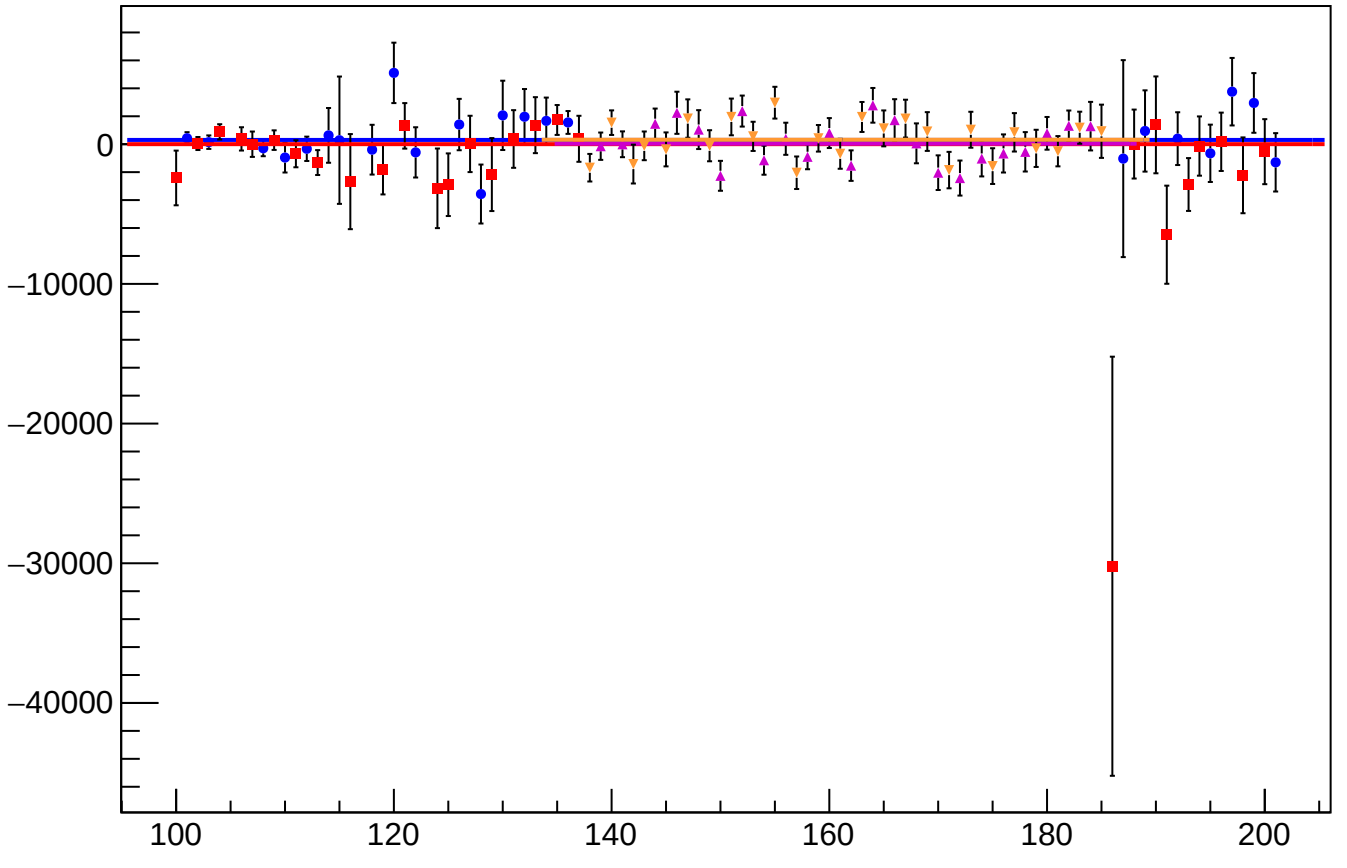
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 122.535+/-0.018 χ^2/NDF: 6260143.0/50

In: 142.219+/-0.019 χ^2/NDF:3718002.2/45

Out: 139.316+/-0.018 χ^2/NDF:5193133.1/52

All: 140.698+/-0.013 χ^2/NDF: 8923656.4/98



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: 3.319+/-224.513 χ^2/NDF: 27.0/27

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

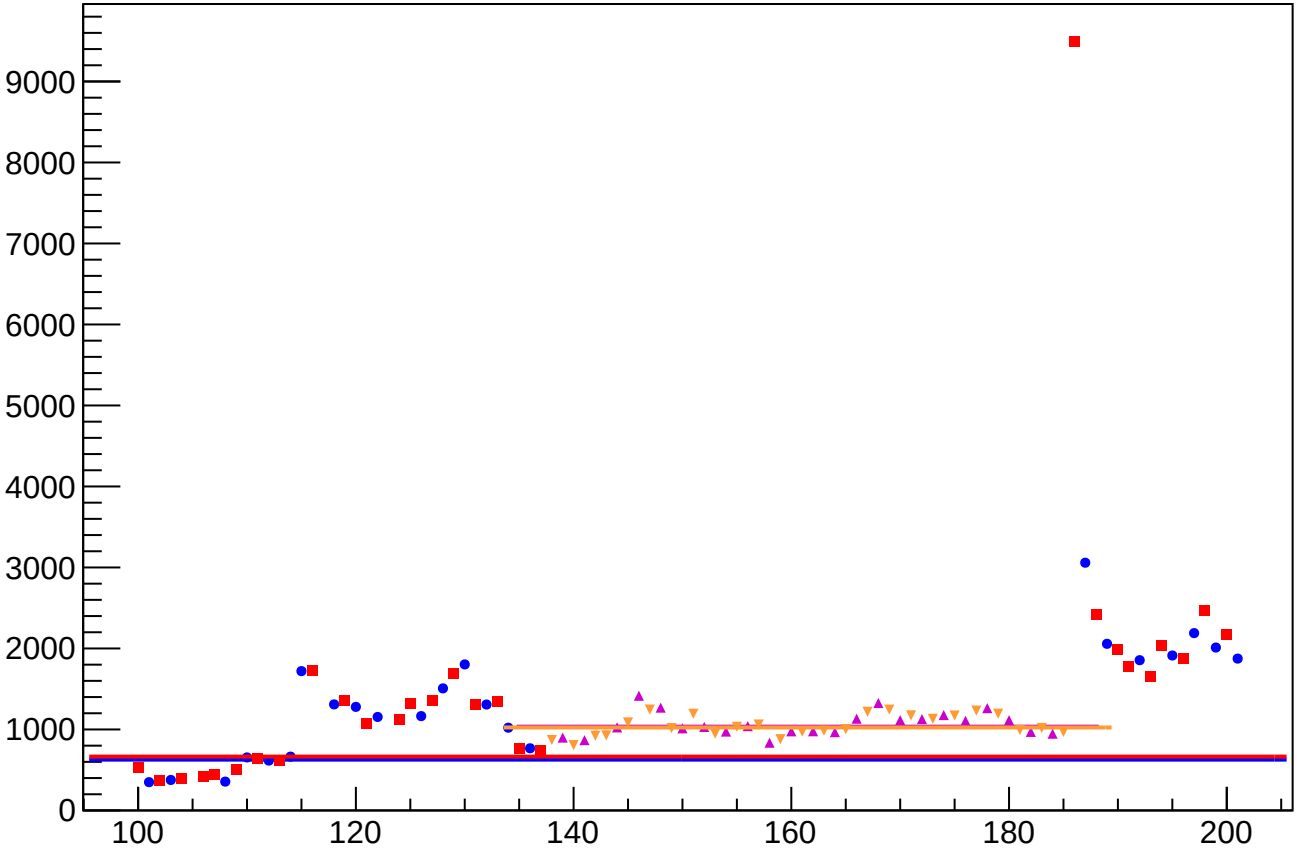
Right: 155.697+/-158.291 χ^2/NDF: 48.9/50

In: 184.701+/-164.740 χ^2/NDF:56.4/45

Out: 154.357+/-162.363 χ^2/NDF:60.5/52

All: 169.309+/-115.639 χ^2/NDF: 116.9/98

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: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

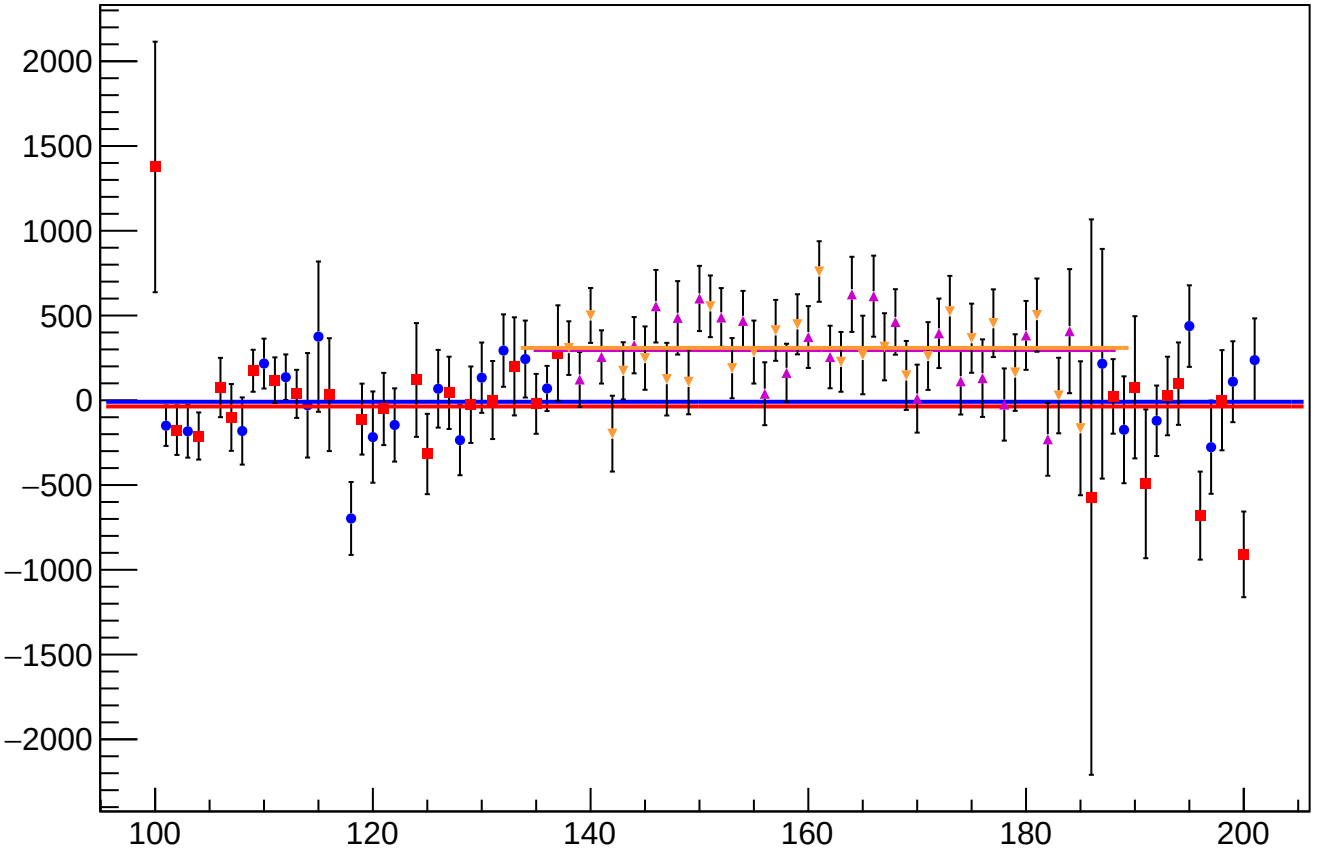
Right: 645.948+/-0.112 χ^2/NDF: 18212977.8/50

In: 812.691+/-0.116 χ^2/NDF:12345026.3/45

Out: 836.346+/-0.115 χ^2/NDF:12543941.1/52

All: 824.691+/-0.082 χ^2/NDF: 24909884.5/98

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: -36.477+/-39.641 χ^2/NDF: 34.9/27

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

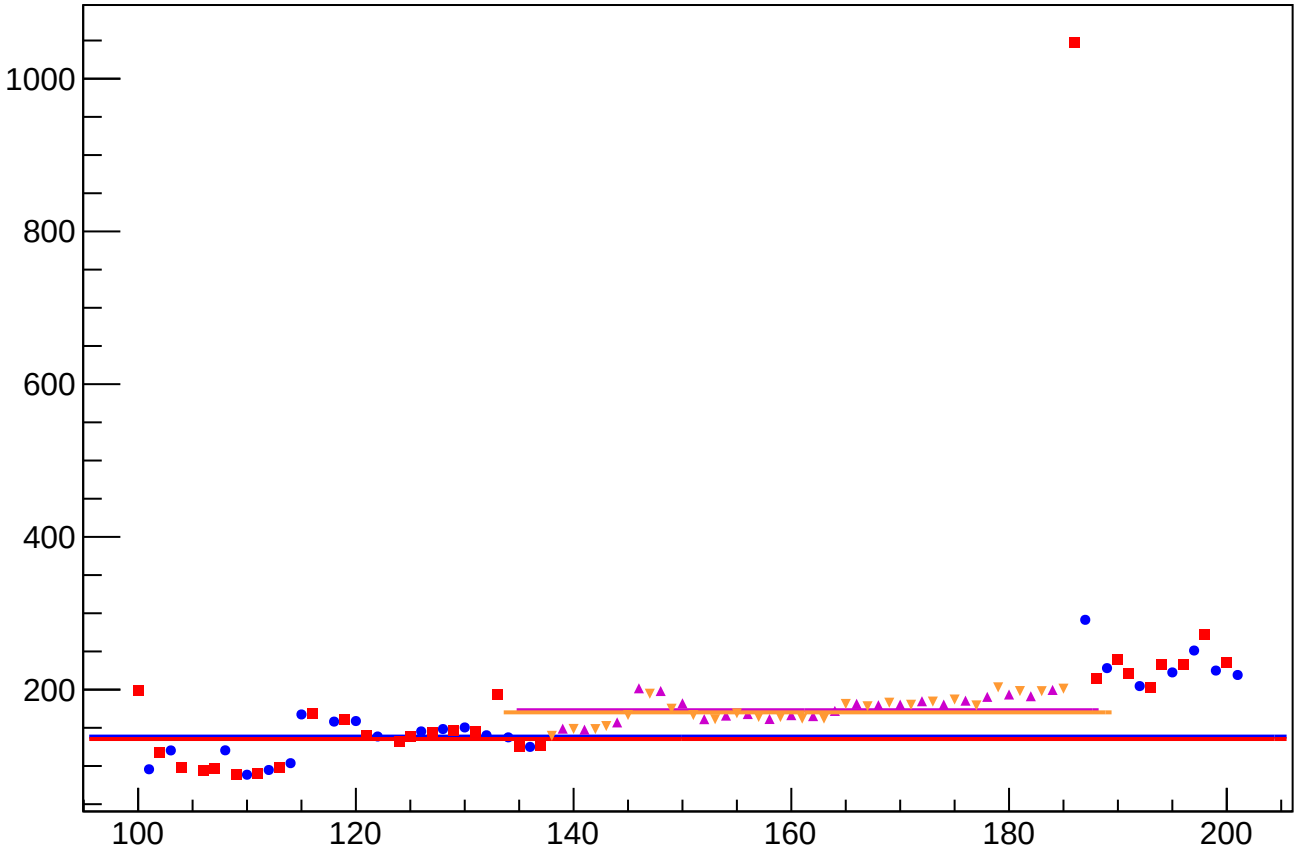
Right: -23.380+/-28.738 χ^2/NDF: 65.7/50

In: 147.954+/-29.100 χ^2/NDF:85.9/45

Out: 139.535+/-27.765 χ^2/NDF:99.1/52

All: 143.547+/-20.088 χ^2/NDF: 185.1/98

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: 135.323+/-0.028 χ^2/NDF: 3788753.0/27

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

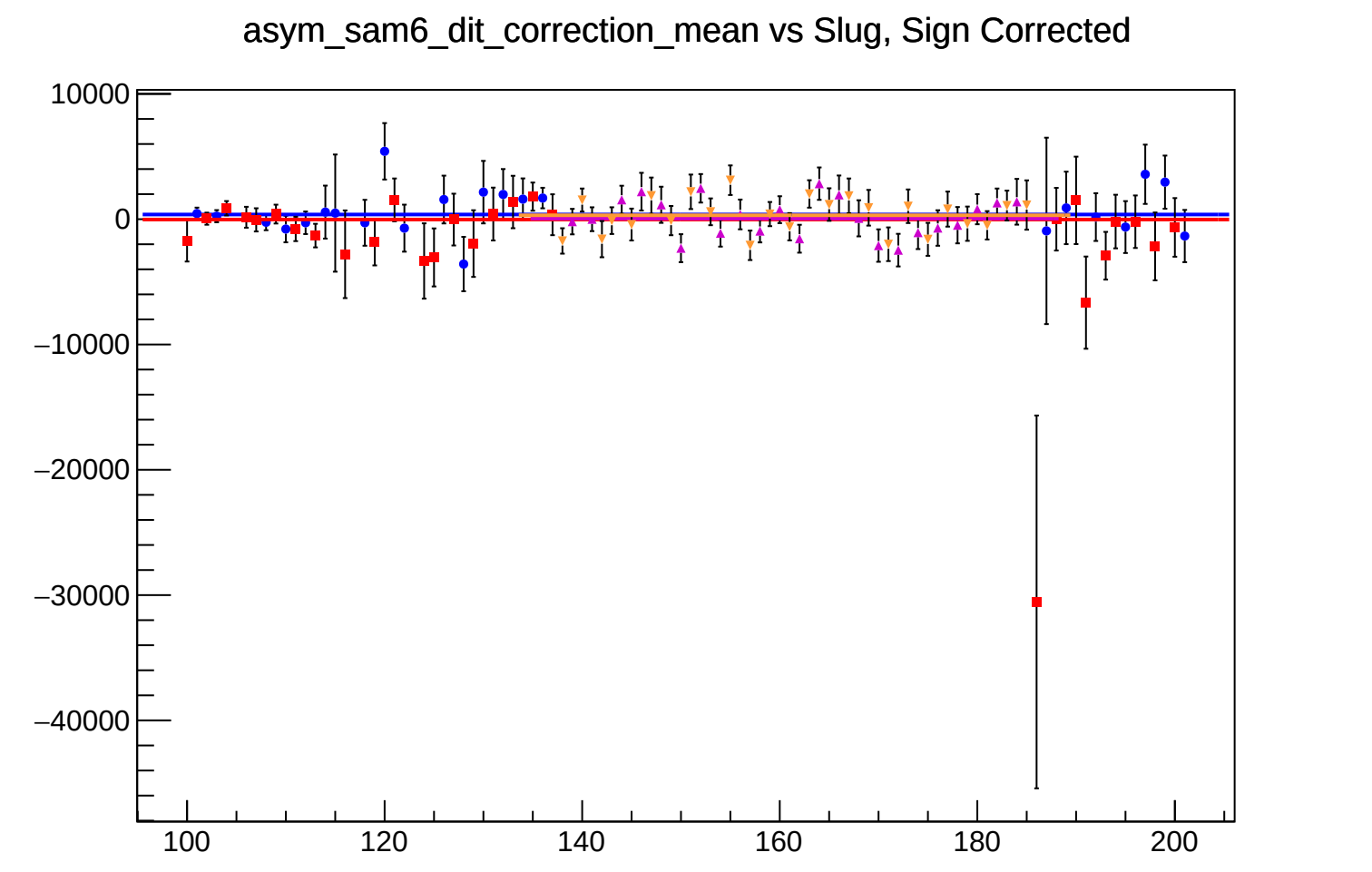
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 136.830+/-0.020 χ^2/NDF: 6157772.4/50

In: 156.229+/-0.021 χ^2/NDF:3359952.6/45

Out: 153.111+/-0.020 χ^2/NDF:4945537.1/52

All: 154.597+/-0.014 χ^2/NDF: 8317508.2/98



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: -27.341+/-231.535 χ^2/NDF: 26.1/27

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

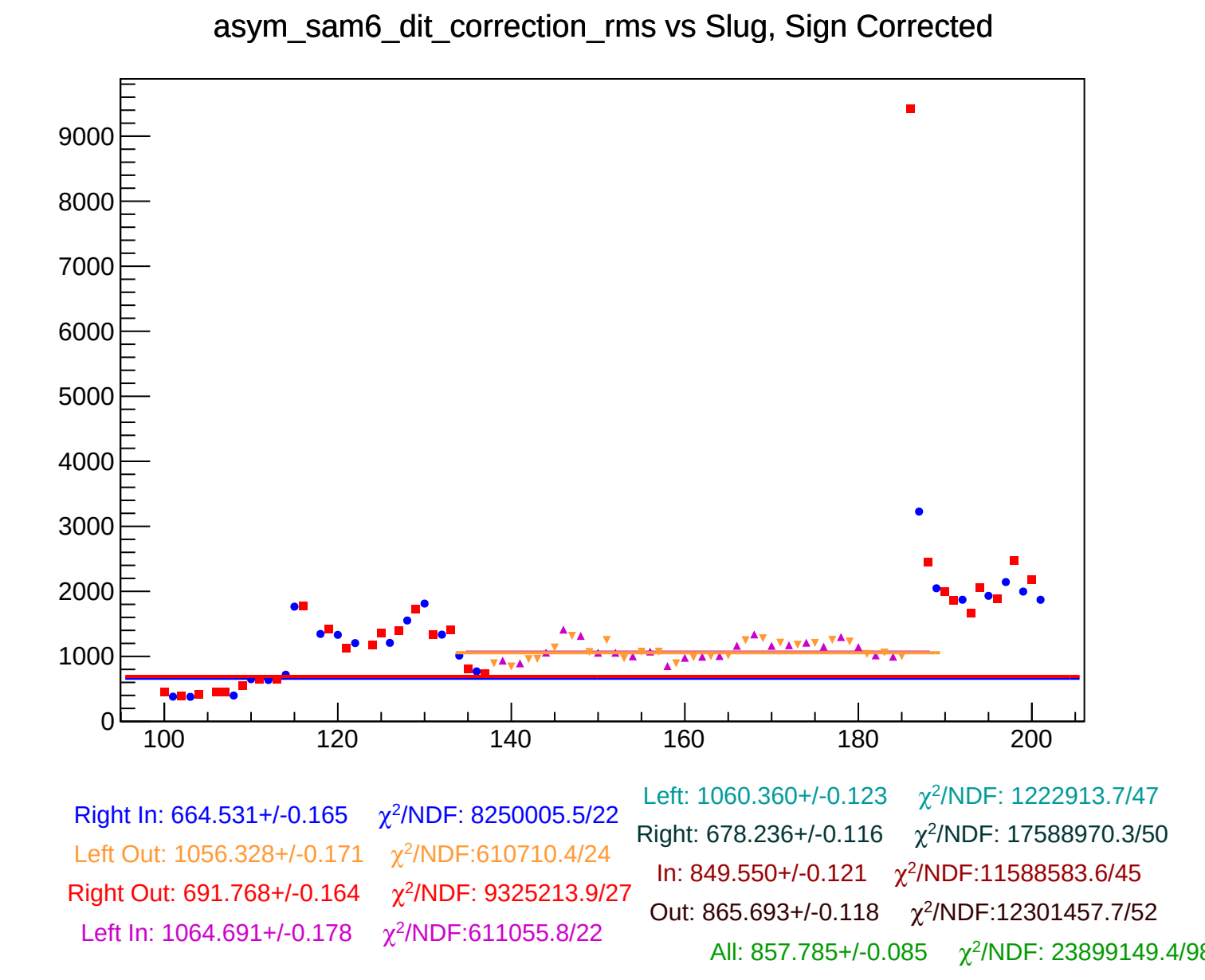
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 171.910+/-164.235 χ^2/NDF: 48.2/50

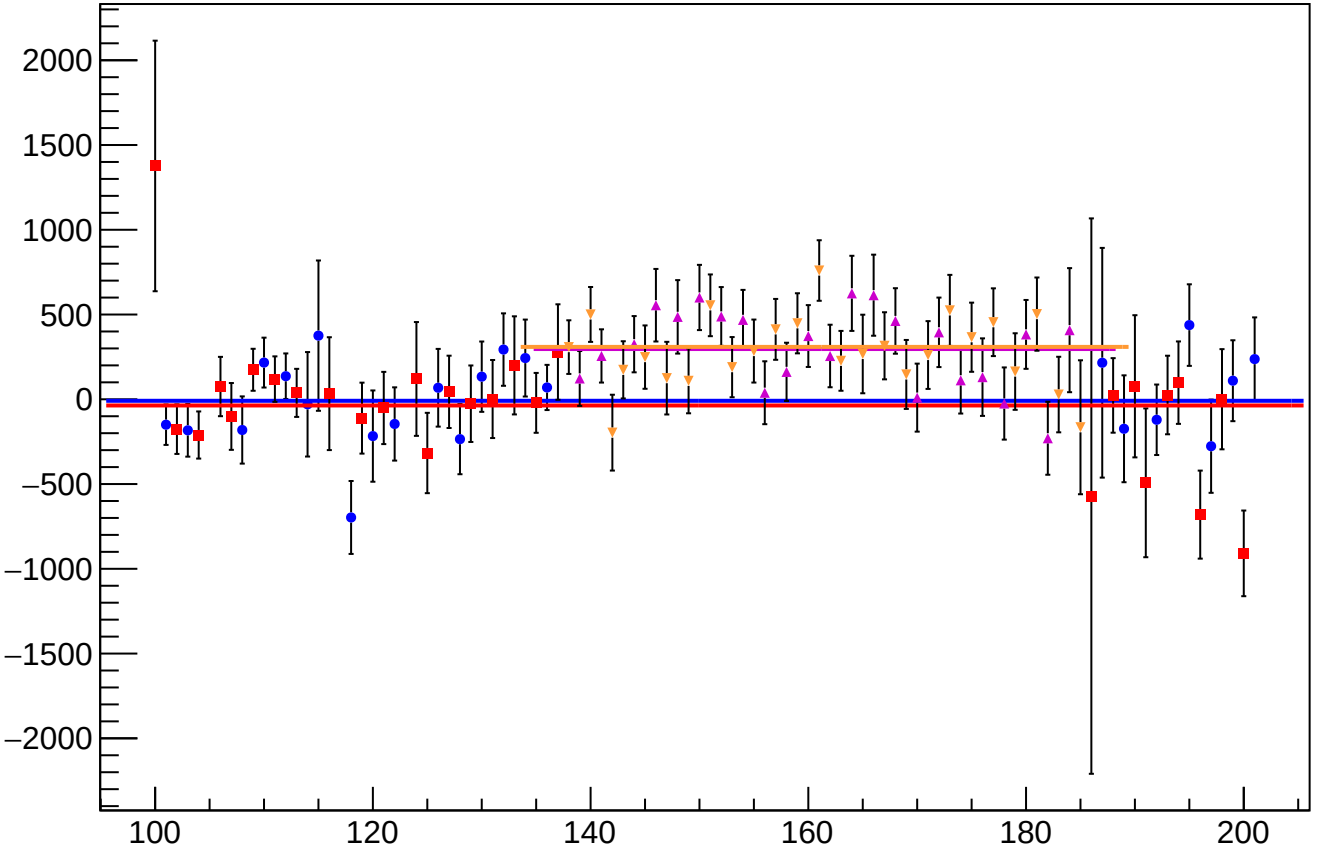
In: 222.748+/-170.844 χ^2/NDF:55.9/45

Out: 135.335+/-167.430 χ^2/NDF:60.0/52

All: 178.159+/-119.580 χ^2/NDF: 116.1/98


asym_sam6_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 664.531+/-0.165 χ²/NDF: 8250005.5/22
Left Out: 1056.328+/-0.171 χ²/NDF:610710.4/24
Right Out: 691.768+/-0.164 χ²/NDF: 9325213.9/27
Left In: 1064.691+/-0.178 χ²/NDF:611055.8/22
Left: 1060.360+/-0.123 χ²/NDF: 1222913.7/47
Right: 678.236+/-0.116 χ²/NDF: 17588970.3/50
In: 849.550+/-0.121 χ²/NDF:11588583.6/45
Out: 865.693+/-0.118 χ²/NDF:12301457.7/52
All: 857.785+/-0.085 χ²/NDF: 23899149.4/98

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: -36.476+/-39.641 χ^2/NDF: 34.9/27

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

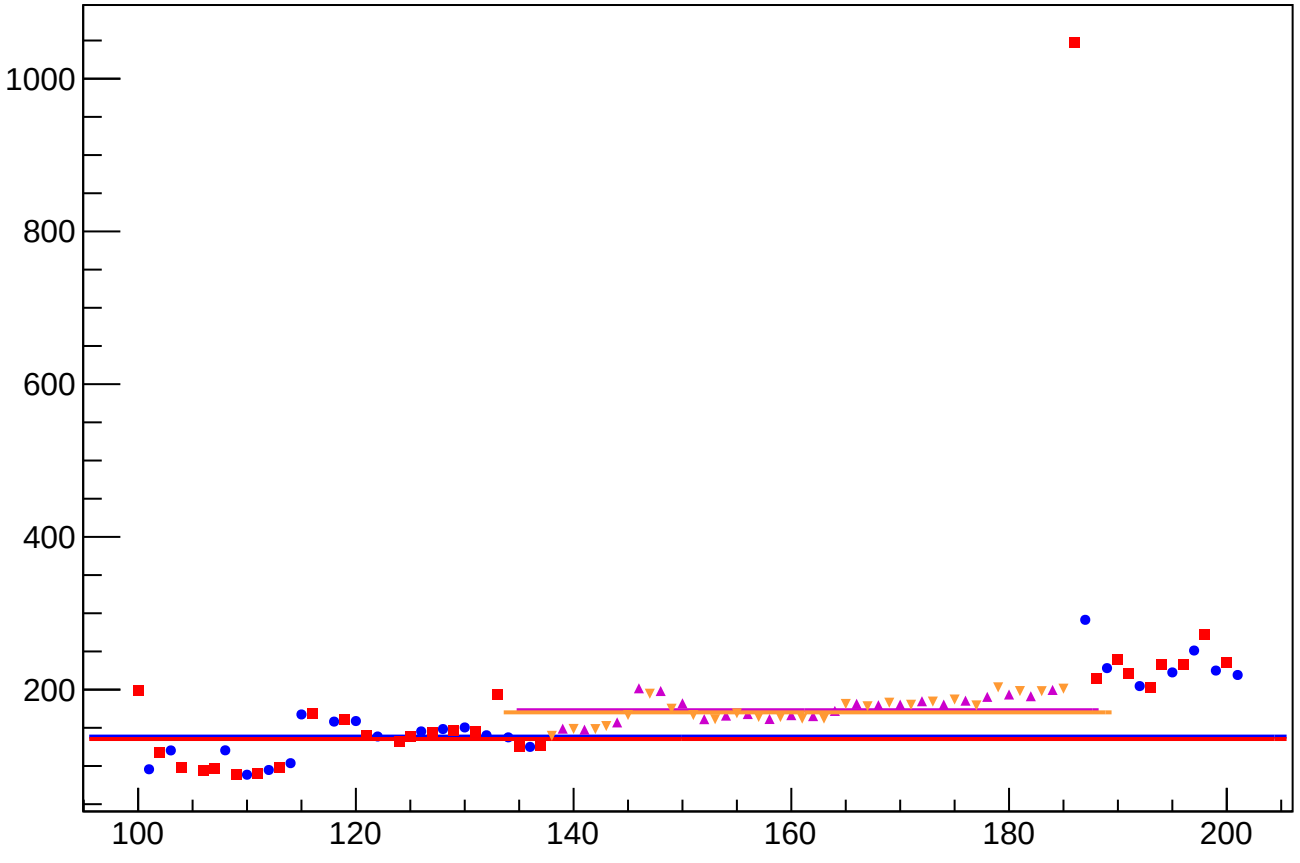
Right: -23.380+/-28.738 χ^2/NDF: 65.7/50

In: 147.953+/-29.100 χ^2/NDF:85.9/45

Out: 139.536+/-27.765 χ^2/NDF:99.1/52

All: 143.547+/-20.088 χ^2/NDF: 185.1/98

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: 135.323+/-0.028 χ^2/NDF: 3788755.4/27

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

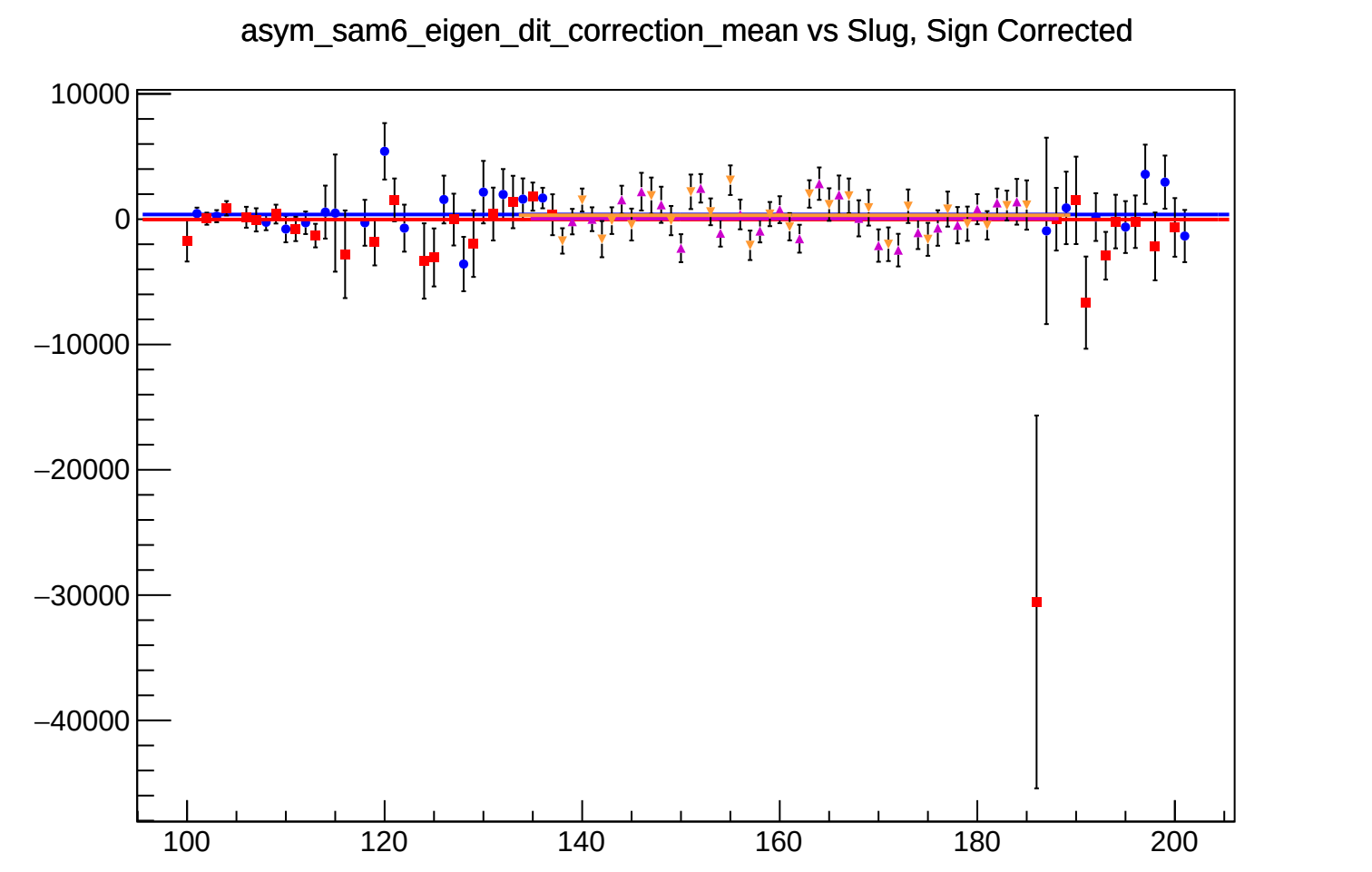
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 136.829+/-0.020 χ^2/NDF: 6157788.9/50

In: 156.229+/-0.021 χ^2/NDF:3359973.3/45

Out: 153.111+/-0.020 χ^2/NDF:4945543.9/52

All: 154.597+/-0.014 χ^2/NDF: 8317535.5/98



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: -27.340+/-231.535 χ^2/NDF: 26.1/27

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

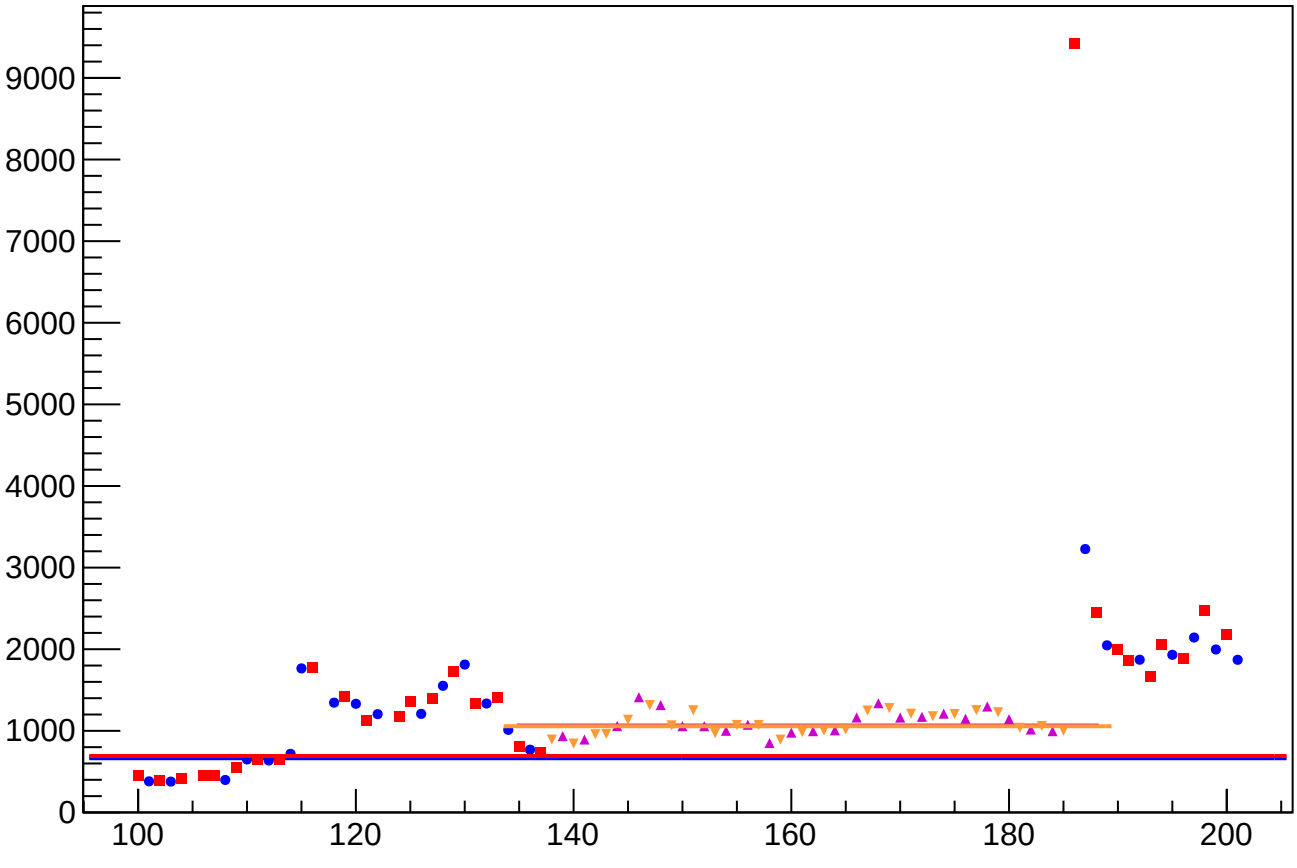
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 171.911+/-164.235 χ^2/NDF: 48.2/50

In: 222.748+/-170.844 χ^2/NDF:55.9/45

Out: 135.336+/-167.430 χ^2/NDF:60.0/52

All: 178.160+/-119.580 χ^2/NDF: 116.1/98



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: 691.767+/-0.164 χ^2/NDF: 9325216.3/27

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

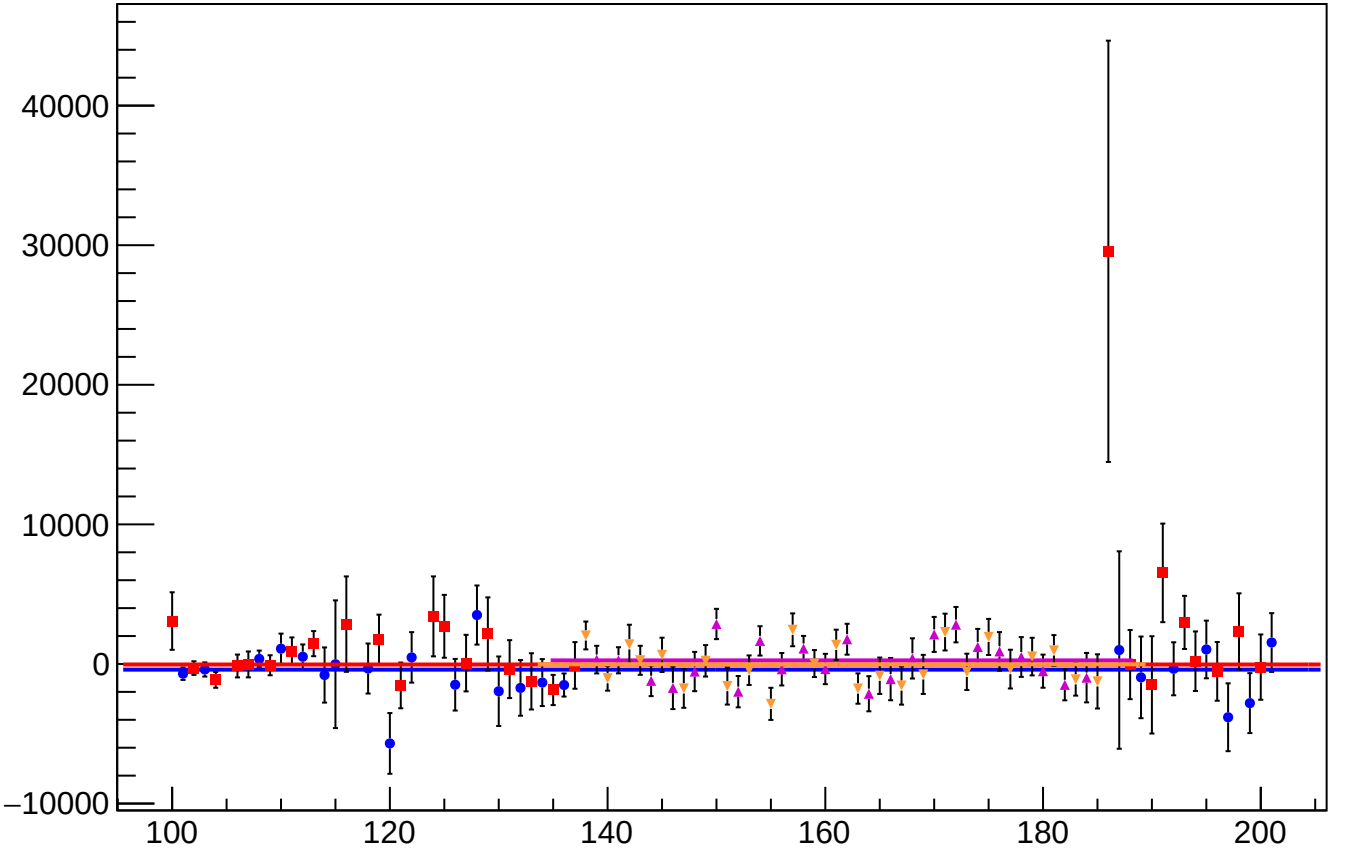
Right: 678.235+/-0.116 χ^2/NDF: 17588979.7/50

In: 849.550+/-0.121 χ^2/NDF:11588608.1/45

Out: 865.693+/-0.118 χ^2/NDF:12301476.7/52

All: 857.784+/-0.085 χ^2/NDF: 23899193.3/98

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: -38.194+/-229.492 χ^2/NDF: 30.3/27

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

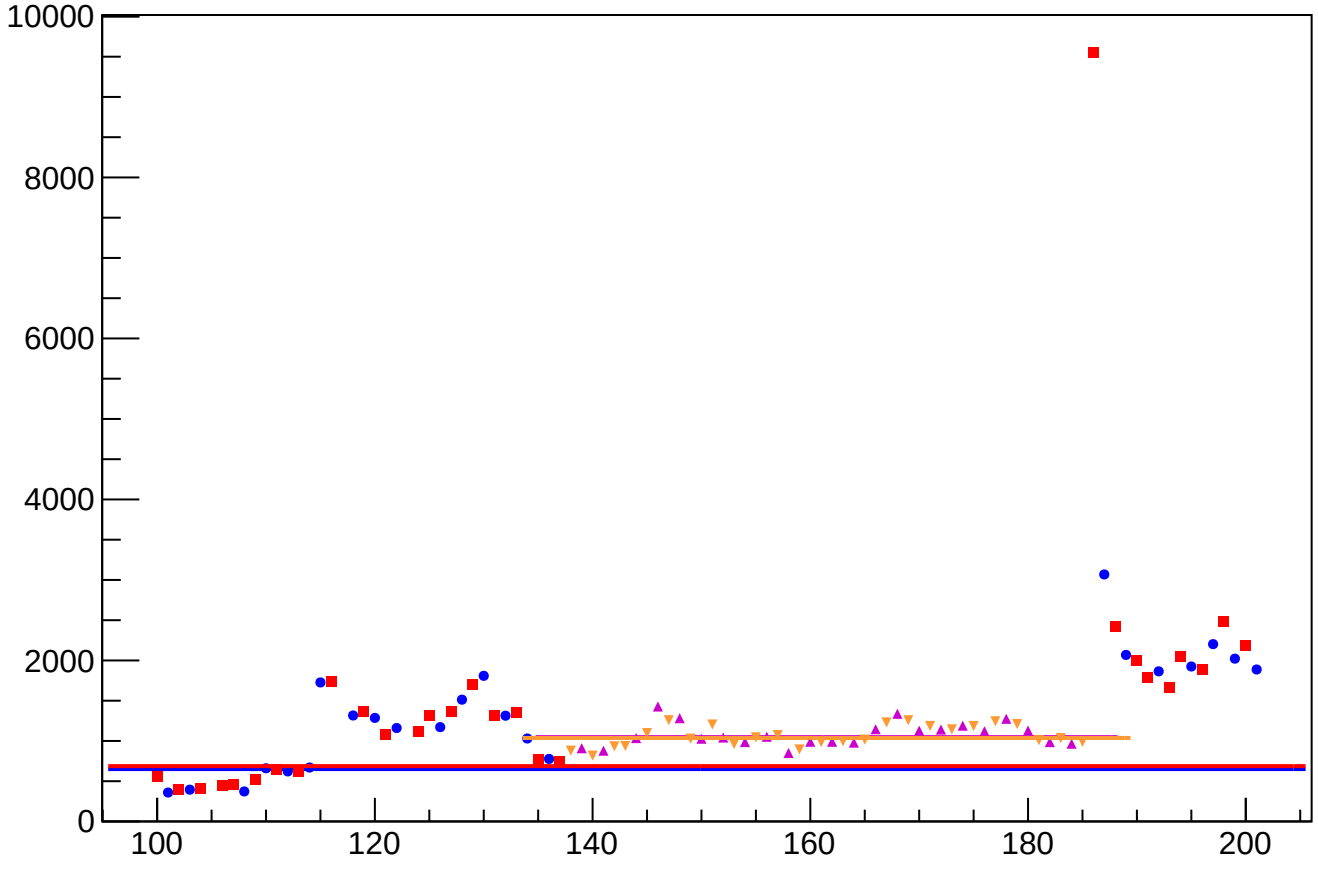
Right: -221.966+/-162.279 χ^2/NDF: 54.2/50

In: -99.693+/-168.192 χ^2/NDF:60.0/45

Out: -30.324+/-165.192 χ^2/NDF:64.9/52

All: -64.384+/-117.855 χ^2/NDF: 124.9/98

asym_sam6_rms vs Slug, Sign Corrected



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: 687.327+/-0.162 χ^2/NDF: 9210905.9/27

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

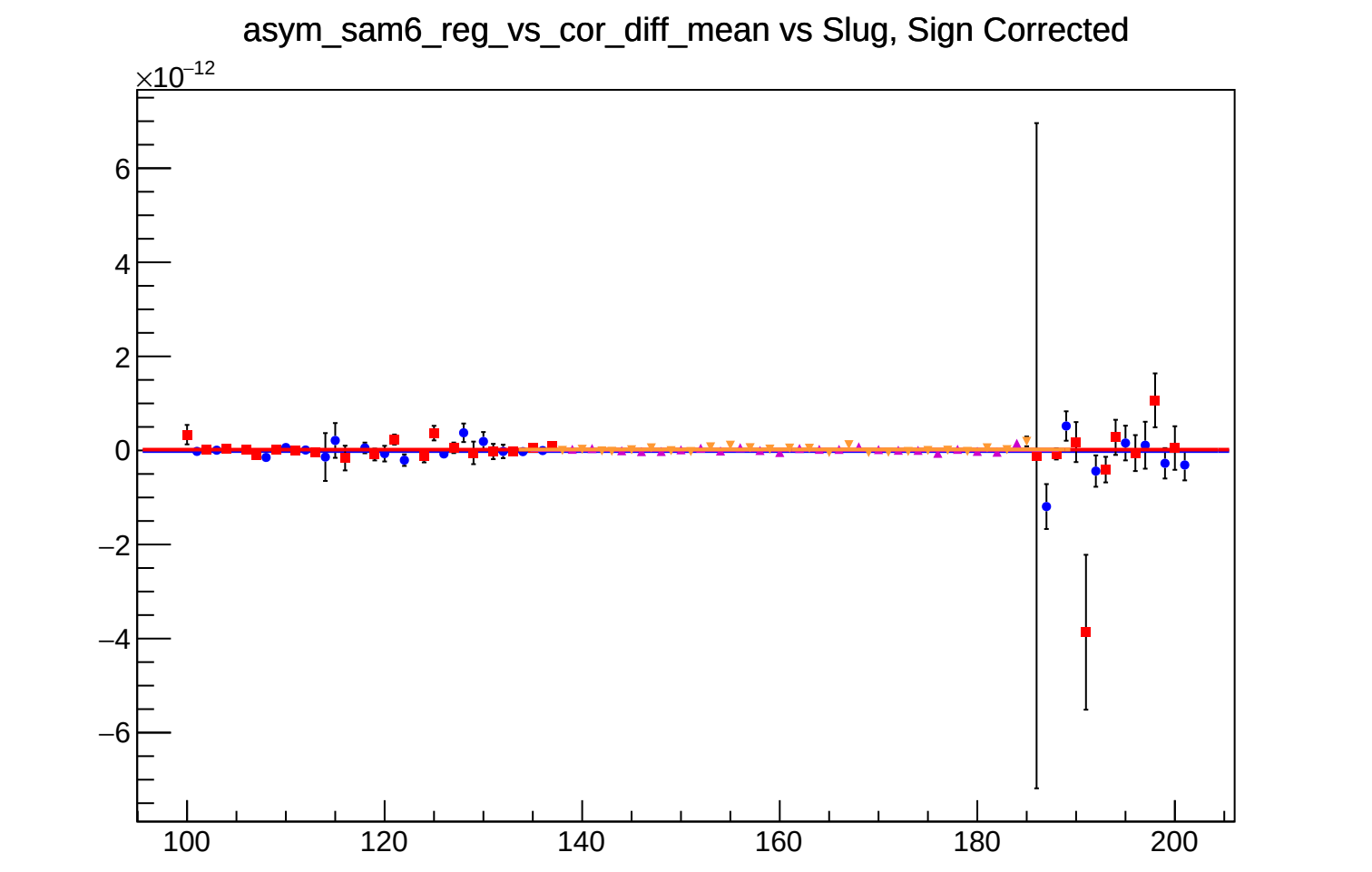
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 668.967+/-0.115 χ^2/NDF: 17647552.4/50

In: 834.396+/-0.119 χ^2/NDF:11795132.0/45

Out: 855.979+/-0.117 χ^2/NDF:12037968.6/52

All: 845.382+/-0.083 χ^2/NDF: 23849864.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/27

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

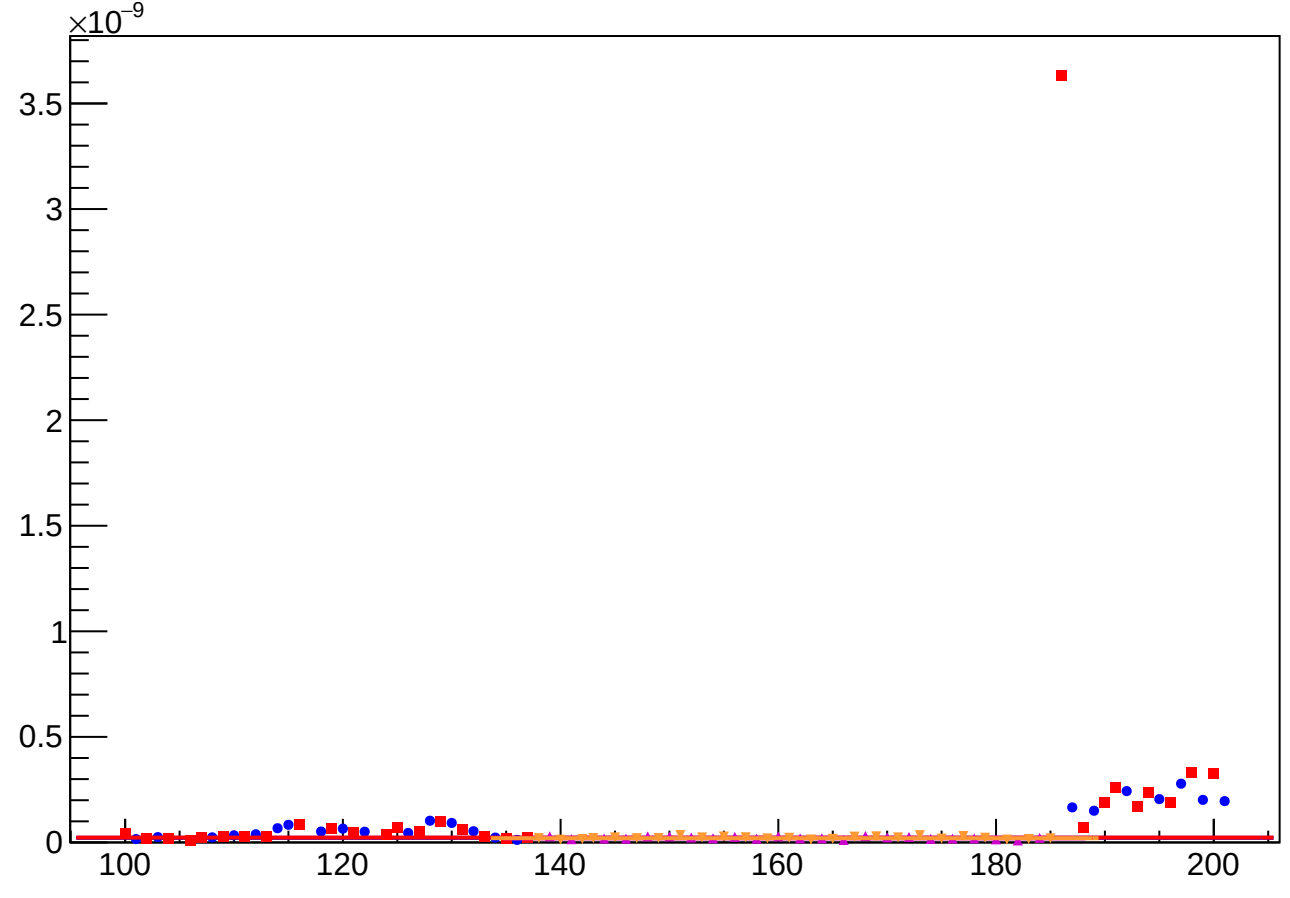
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 63.7/50

In: 0.000+/-0.000 χ^2/NDF:48.8/45

Out: 0.000+/-0.000 χ^2/NDF:62.5/52

All: 0.000+/-0.000 χ^2/NDF: 115.1/98



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: 6156154.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

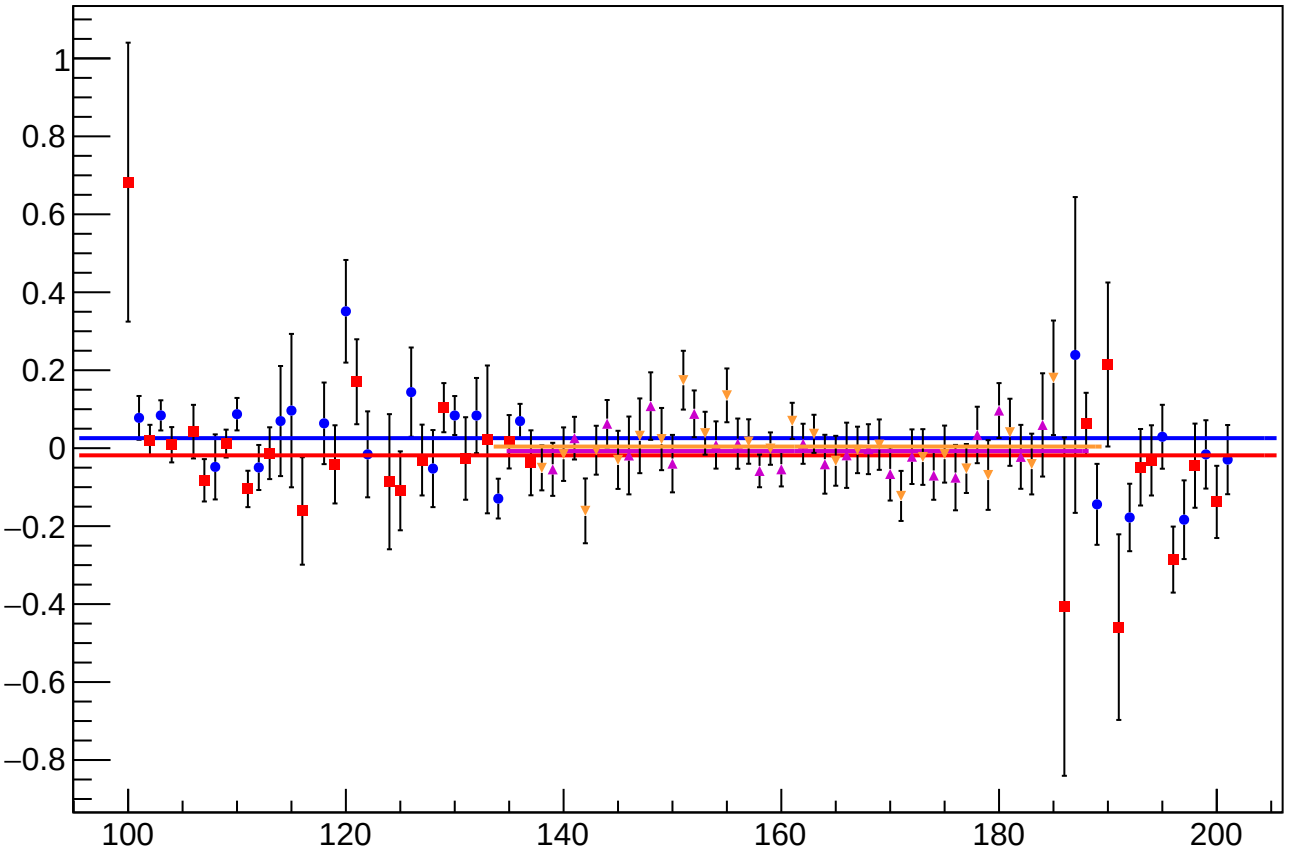
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11808483.4/50

In: 0.000+/-0.000 χ^2/NDF:6756836.5/45

Out: 0.000+/-0.000 χ^2/NDF:7214174.0/52

All: 0.000+/-0.000 χ^2/NDF: 13990550.4/98



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: 39.0/27

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

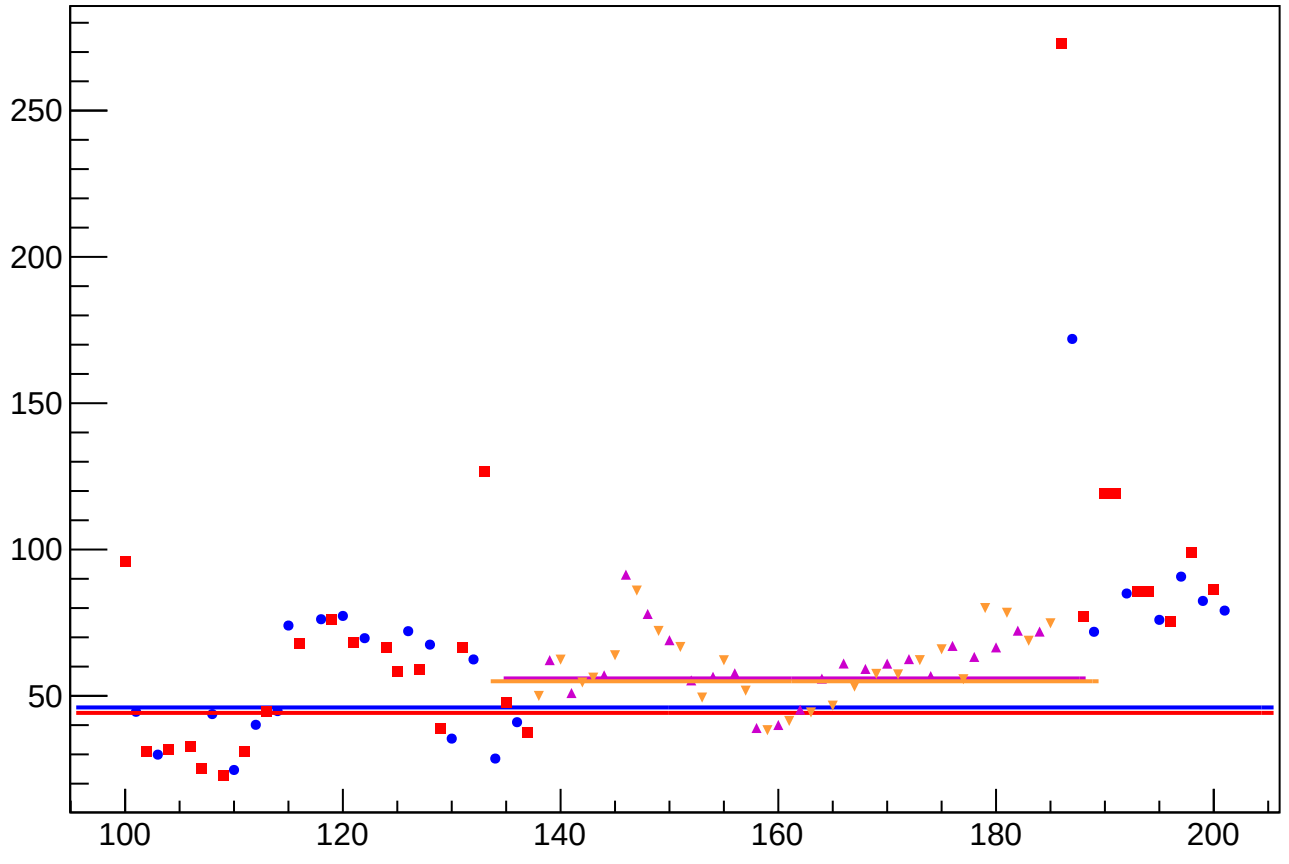
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/50

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.000+/-0.007 χ^2/NDF: 125.5/98



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: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

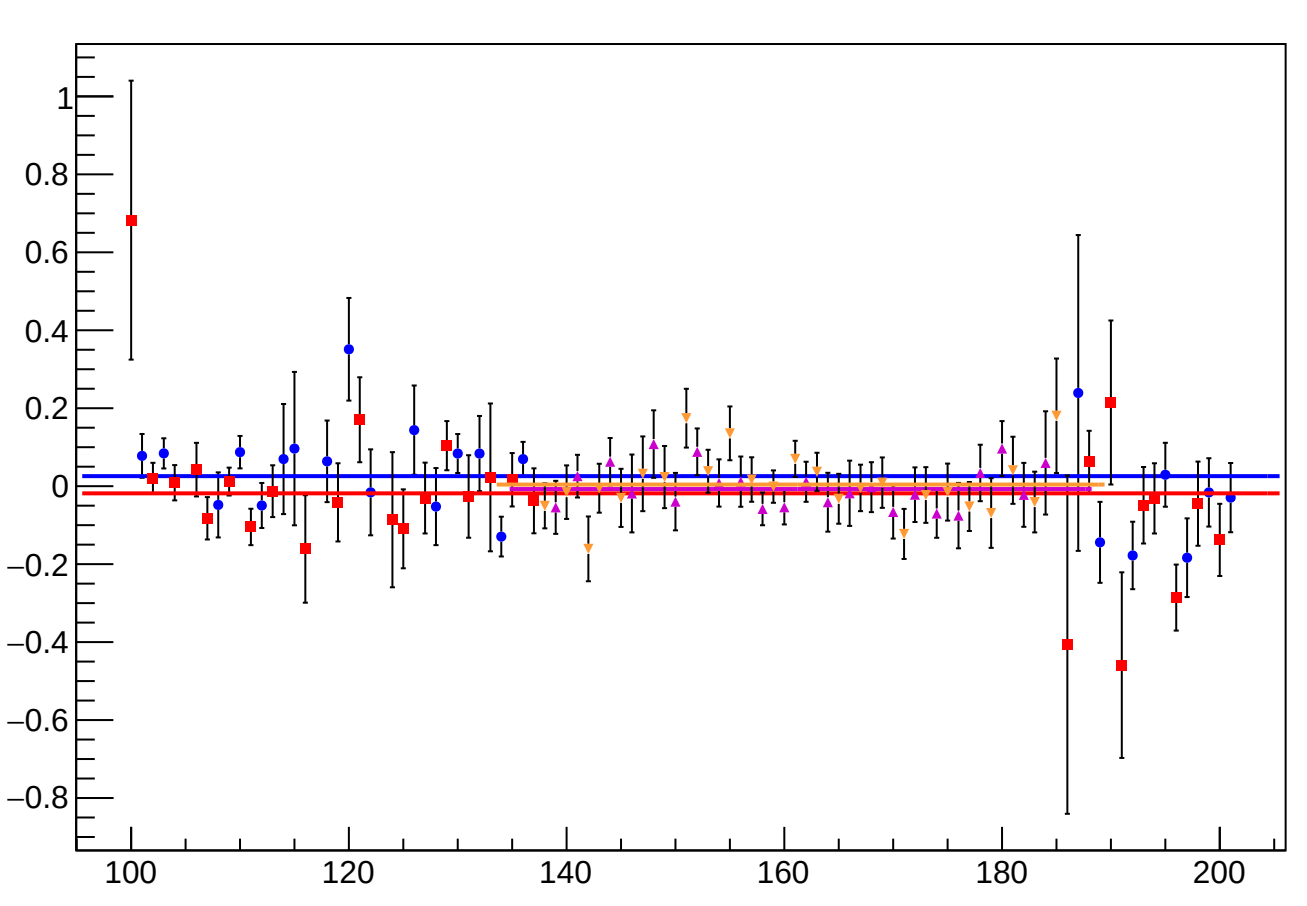
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.062+/-0.007 χ^2/NDF: 9850824.6/50

In: 51.412+/-0.007 χ^2/NDF:5819530.0/45

Out: 49.976+/-0.007 χ^2/NDF:8125653.8/52

All: 50.660+/-0.005 χ^2/NDF: 13967021.7/98



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: 39.0/27

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

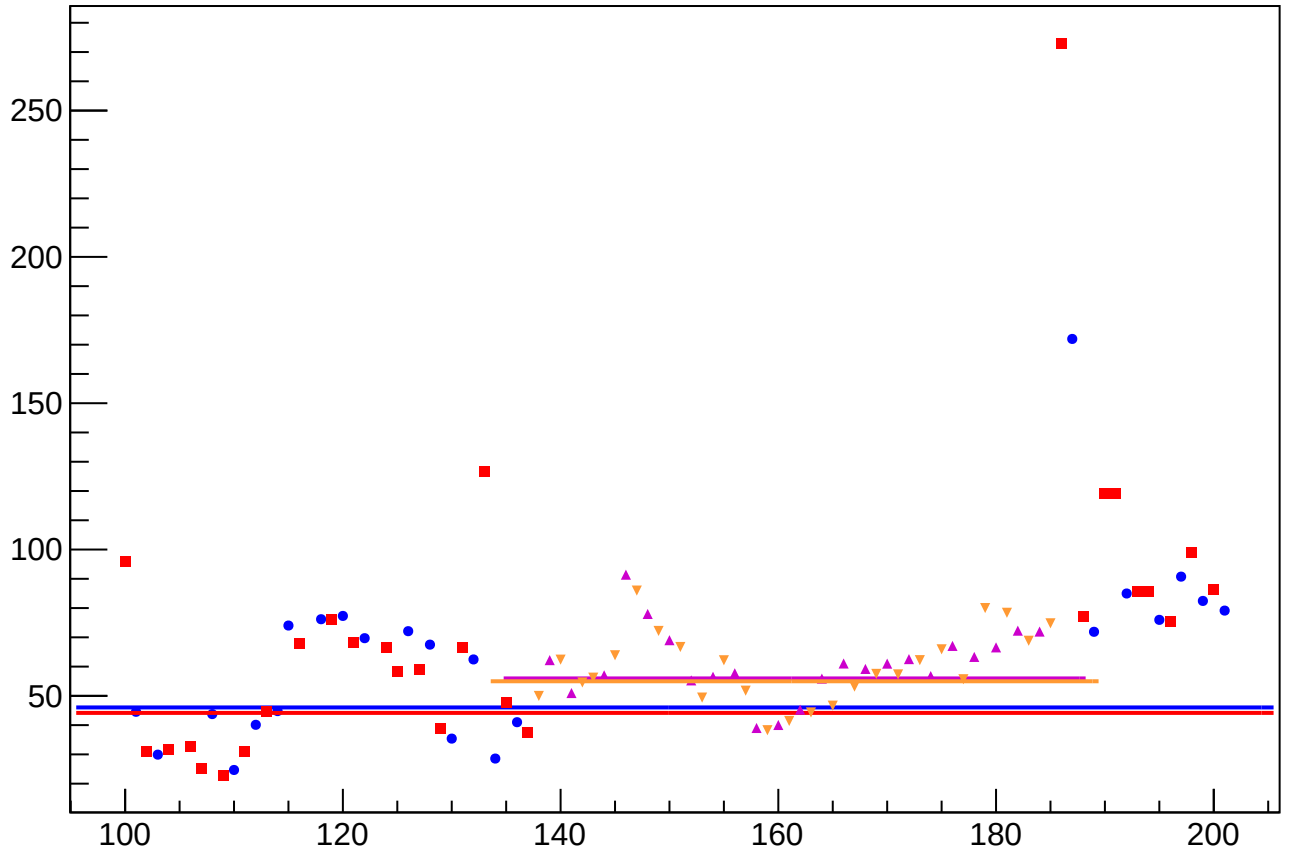
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/50

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.000+/-0.007 χ^2/NDF: 125.5/98



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: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

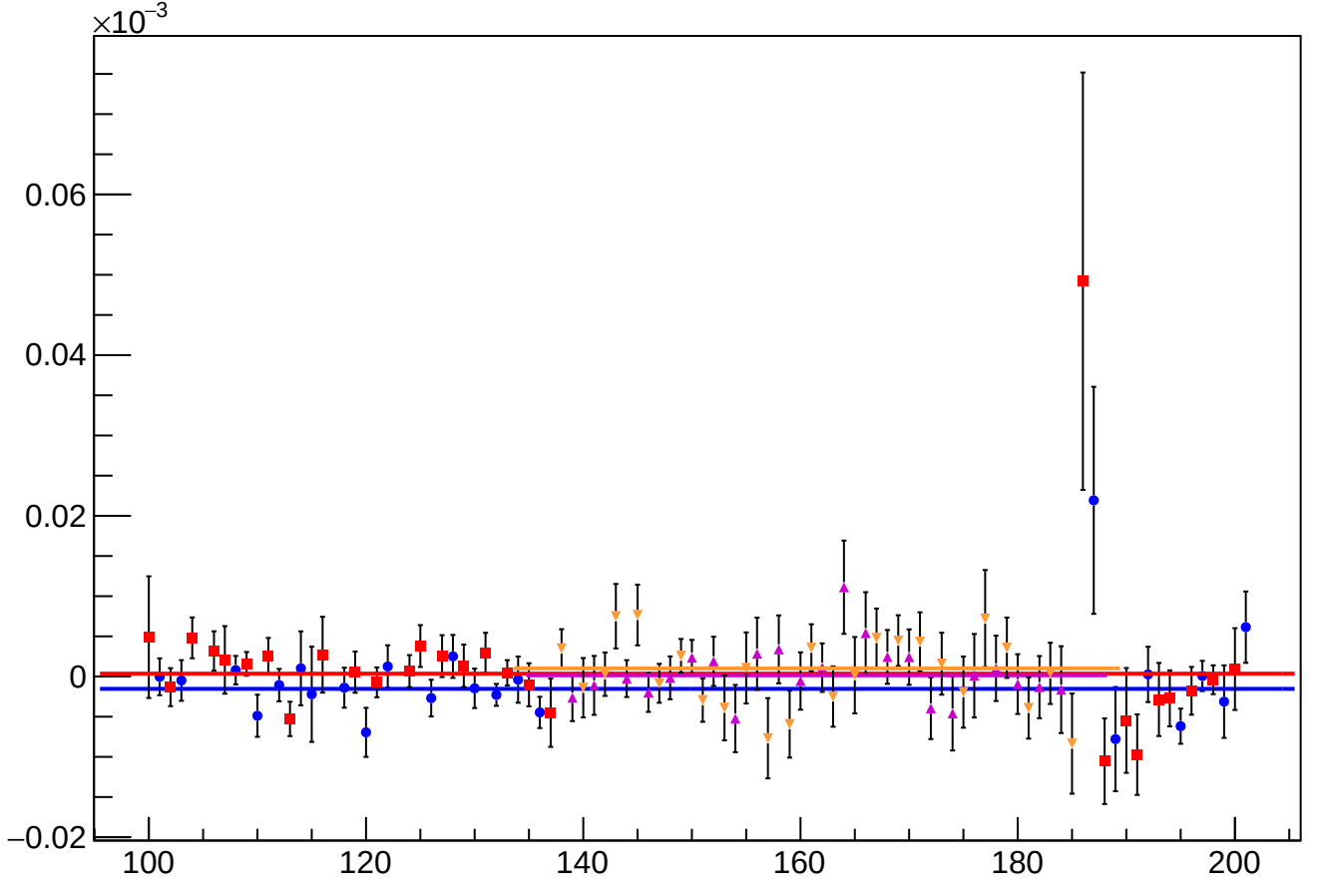
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.062+/-0.007 χ^2/NDF: 9850824.6/50

In: 51.412+/-0.007 χ^2/NDF:5819530.0/45

Out: 49.976+/-0.007 χ^2/NDF:8125653.8/52

All: 50.660+/-0.005 χ^2/NDF: 13967021.7/98



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: 34.5/27

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

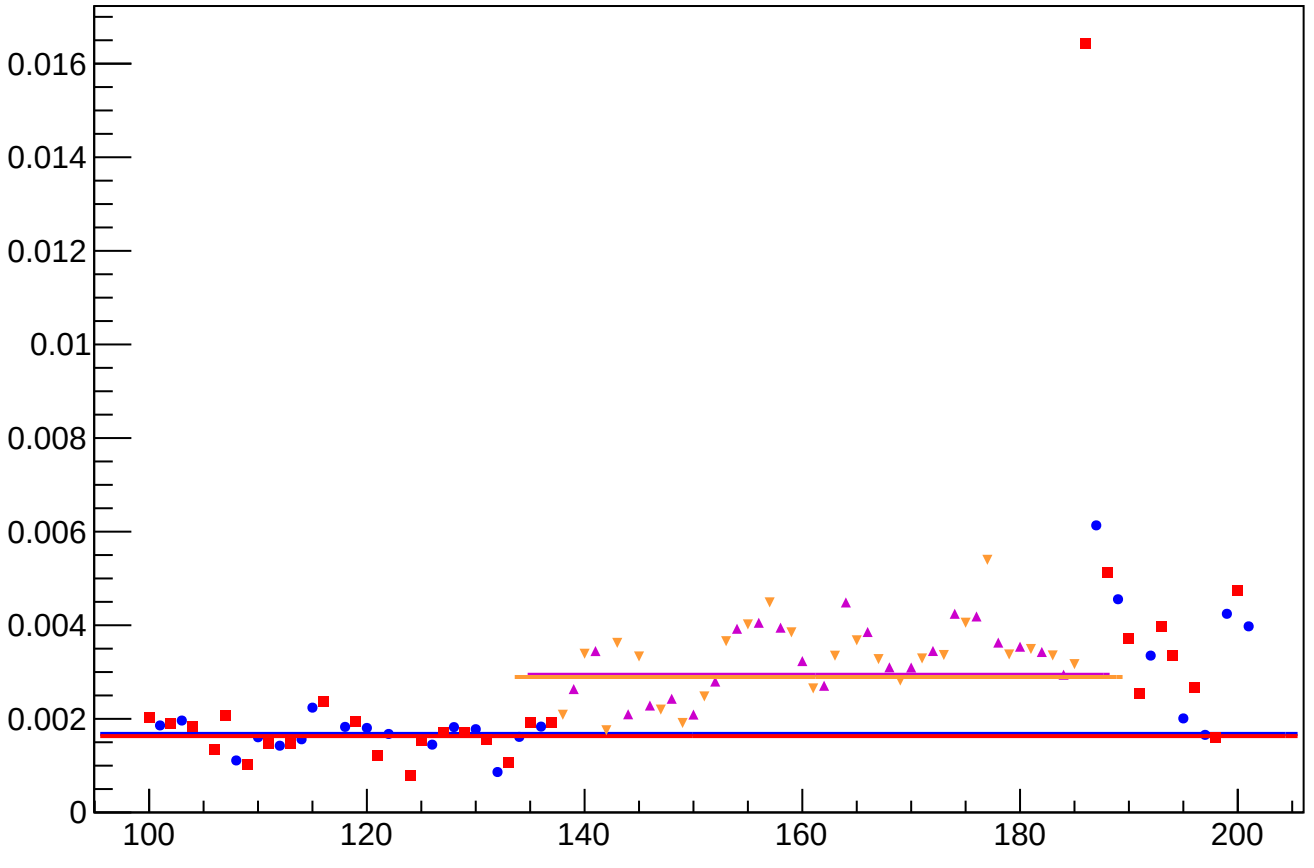
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/50

In: -0.000+/-0.000 χ^2/NDF:43.9/45

Out: 0.000+/-0.000 χ^2/NDF:63.7/52

All: -0.000+/-0.000 χ^2/NDF: 114.4/98



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: 5087609.2/27

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

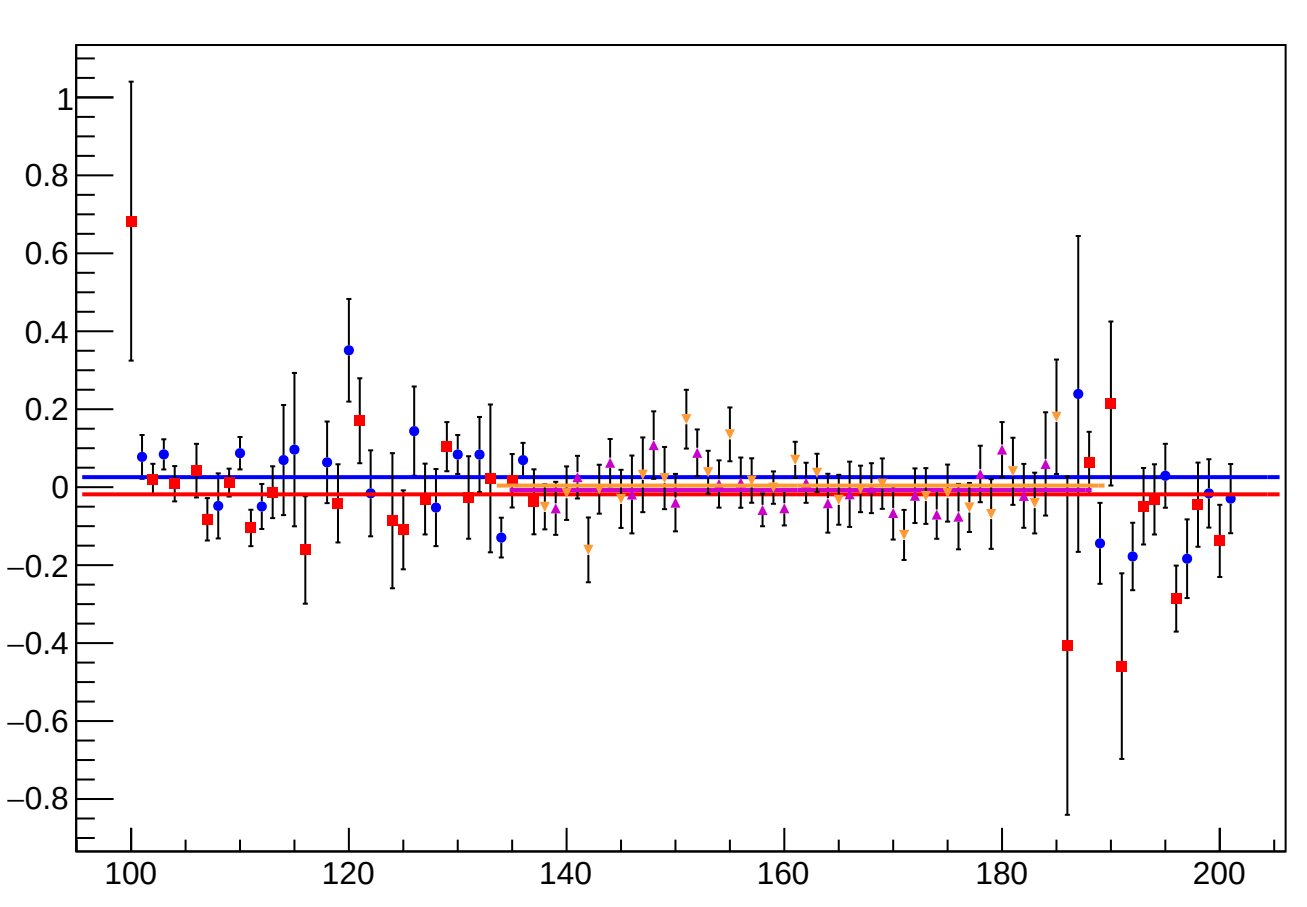
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 8451847.7/50

In: 0.002+/-0.000 χ^2/NDF:9356945.7/45

Out: 0.002+/-0.000 χ^2/NDF:12188196.5/52

All: 0.002+/-0.000 χ^2/NDF: 21565298.9/98



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: 39.0/27

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

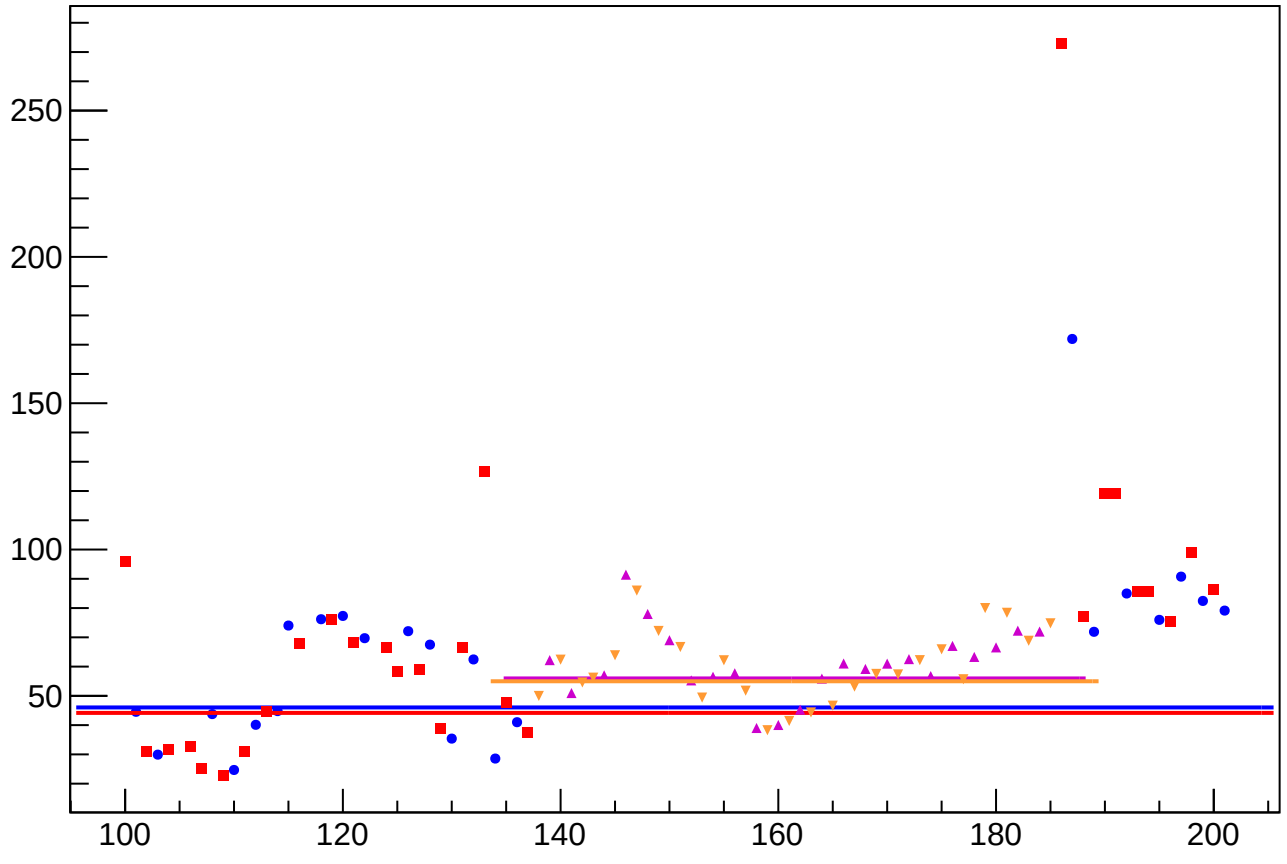
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.2/50

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.000+/-0.007 χ^2/NDF: 125.5/98



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: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

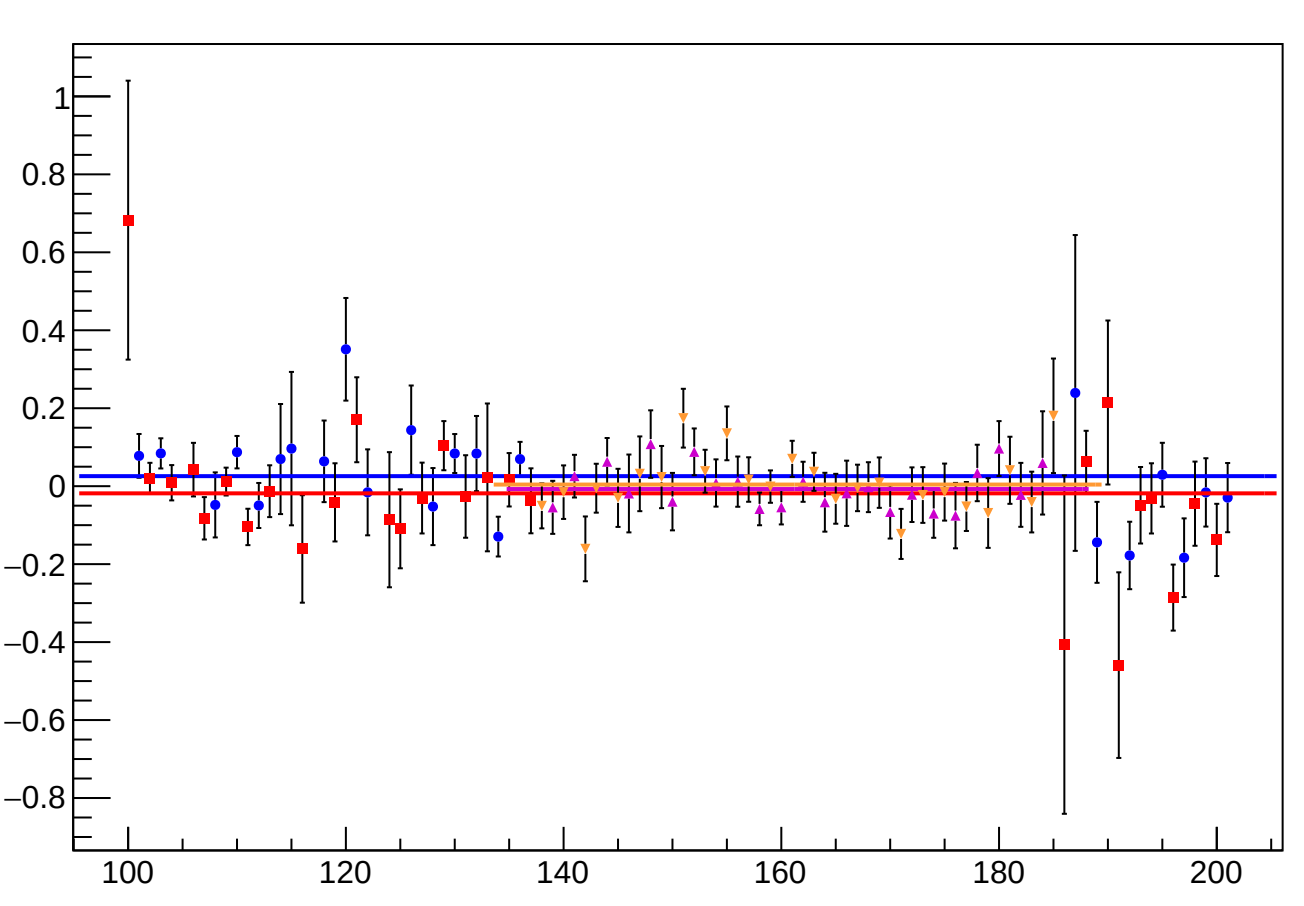
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 45.061+/-0.007 χ^2/NDF: 9850899.3/50

In: 51.411+/-0.007 χ^2/NDF:5819742.0/45

Out: 49.975+/-0.007 χ^2/NDF:8125699.4/52

All: 50.659+/-0.005 χ^2/NDF: 13967273.1/98



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: 39.0/27

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

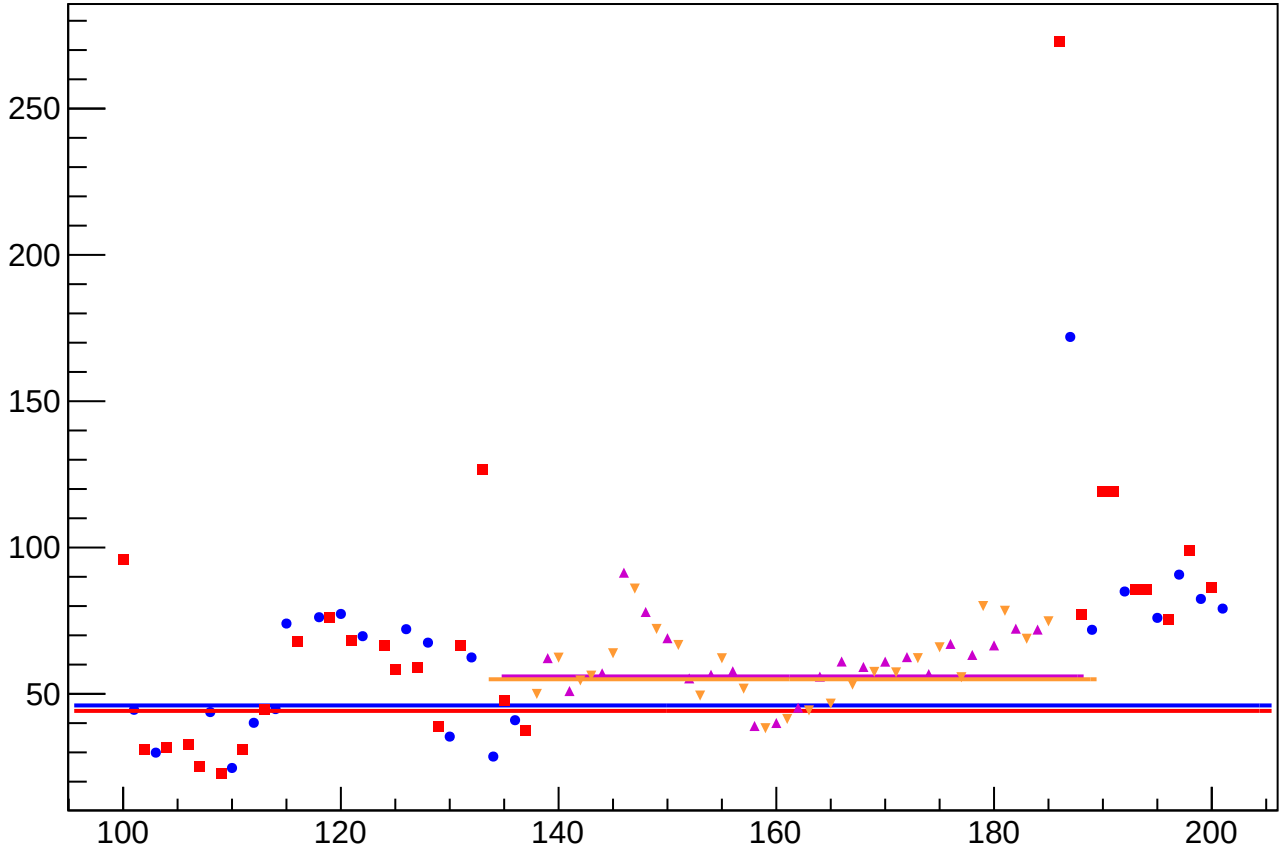
Right: 0.003+/-0.010 χ^2/NDF: 85.2/50

In: 0.008+/-0.010 χ^2/NDF:59.2/45

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.000+/-0.007 χ^2/NDF: 125.5/98

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: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

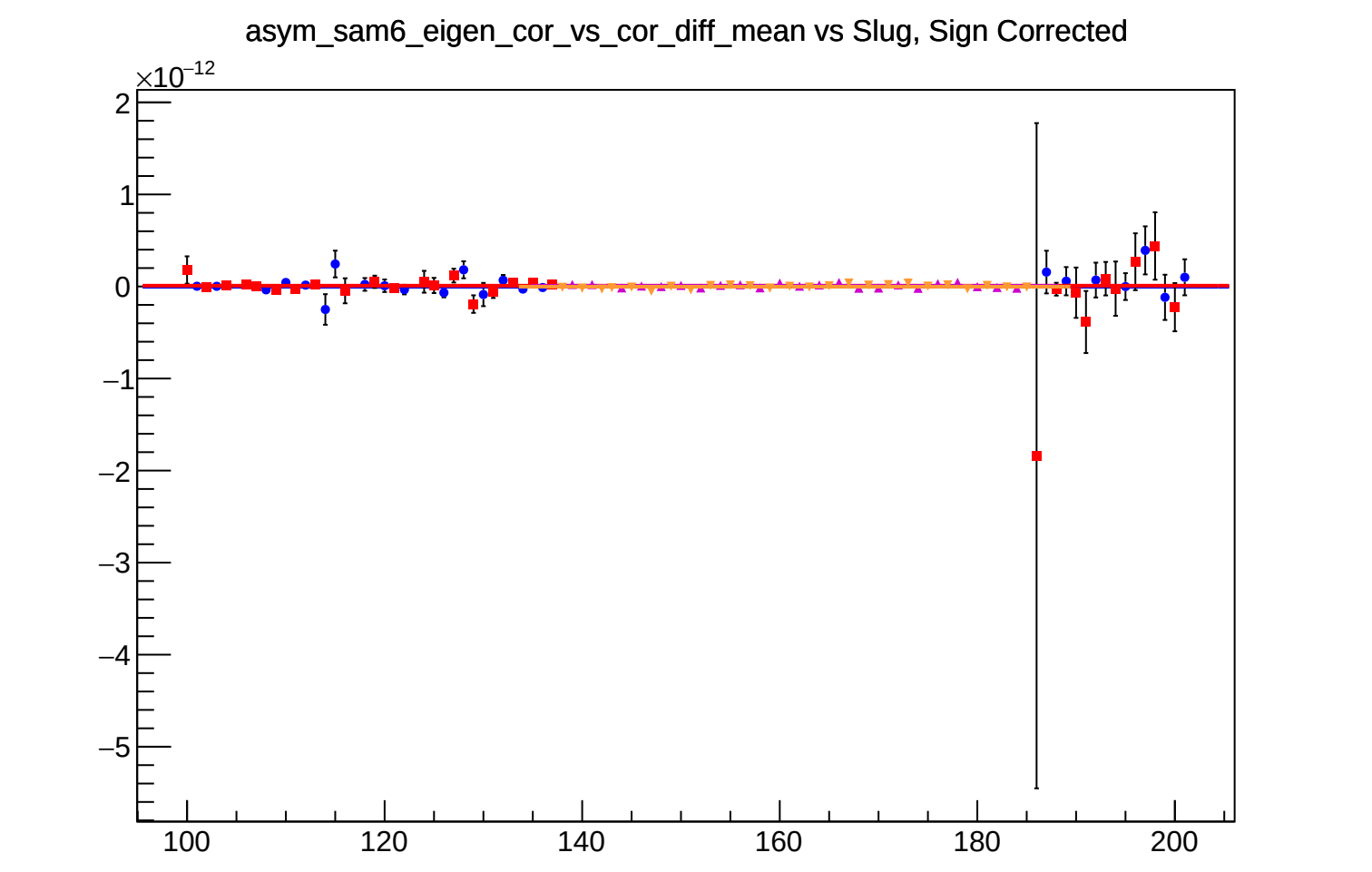
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 45.061+/-0.007 χ^2/NDF: 9850899.3/50

In: 51.411+/-0.007 χ^2/NDF:5819742.0/45

Out: 49.975+/-0.007 χ^2/NDF:8125699.4/52

All: 50.659+/-0.005 χ^2/NDF: 13967273.1/98



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: 20.8/27

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

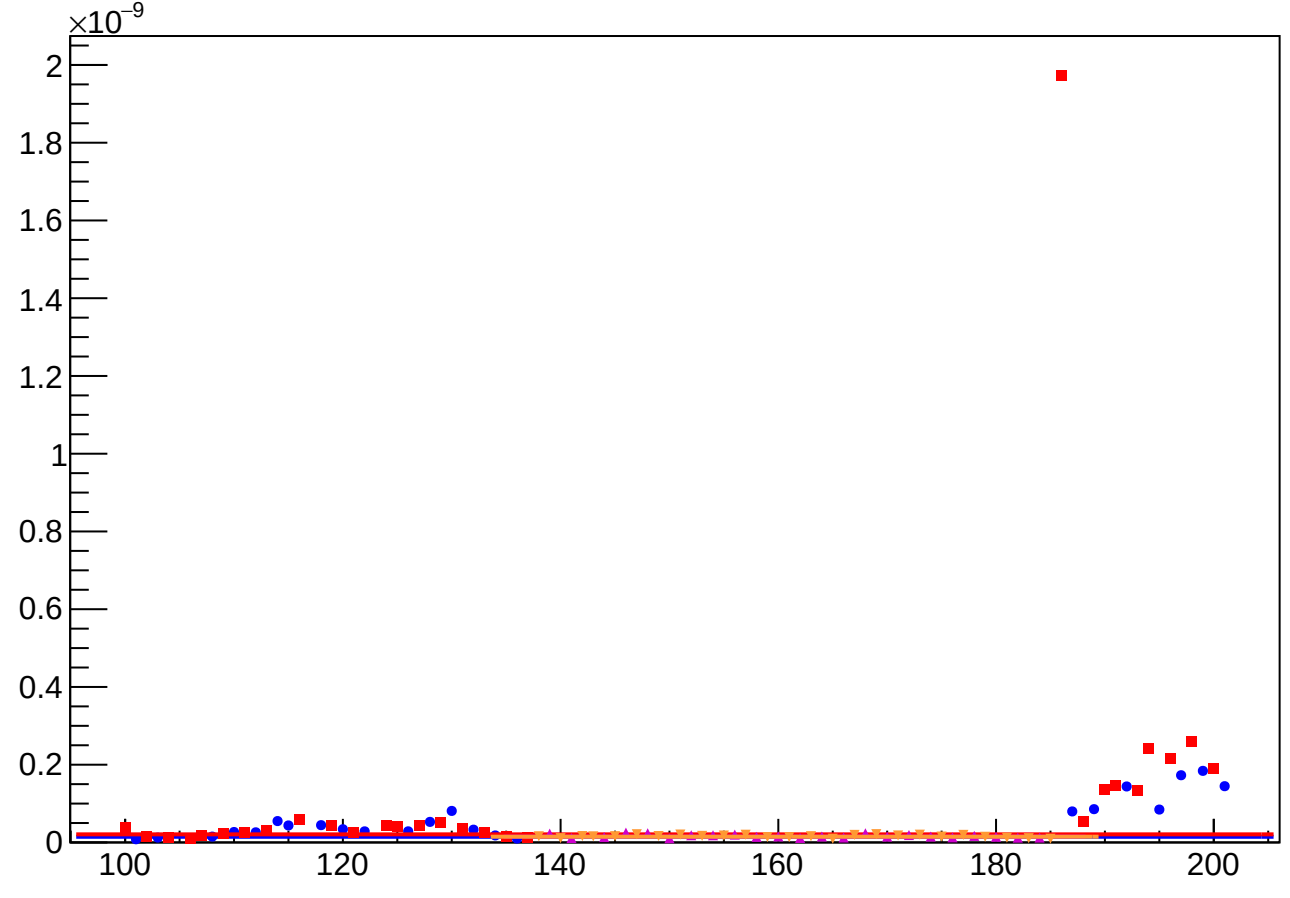
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/50

In: 0.000+/-0.000 χ^2/NDF:43.4/45

Out: -0.000+/-0.000 χ^2/NDF:41.4/52

All: 0.000+/-0.000 χ^2/NDF: 85.6/98



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: 8190749.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

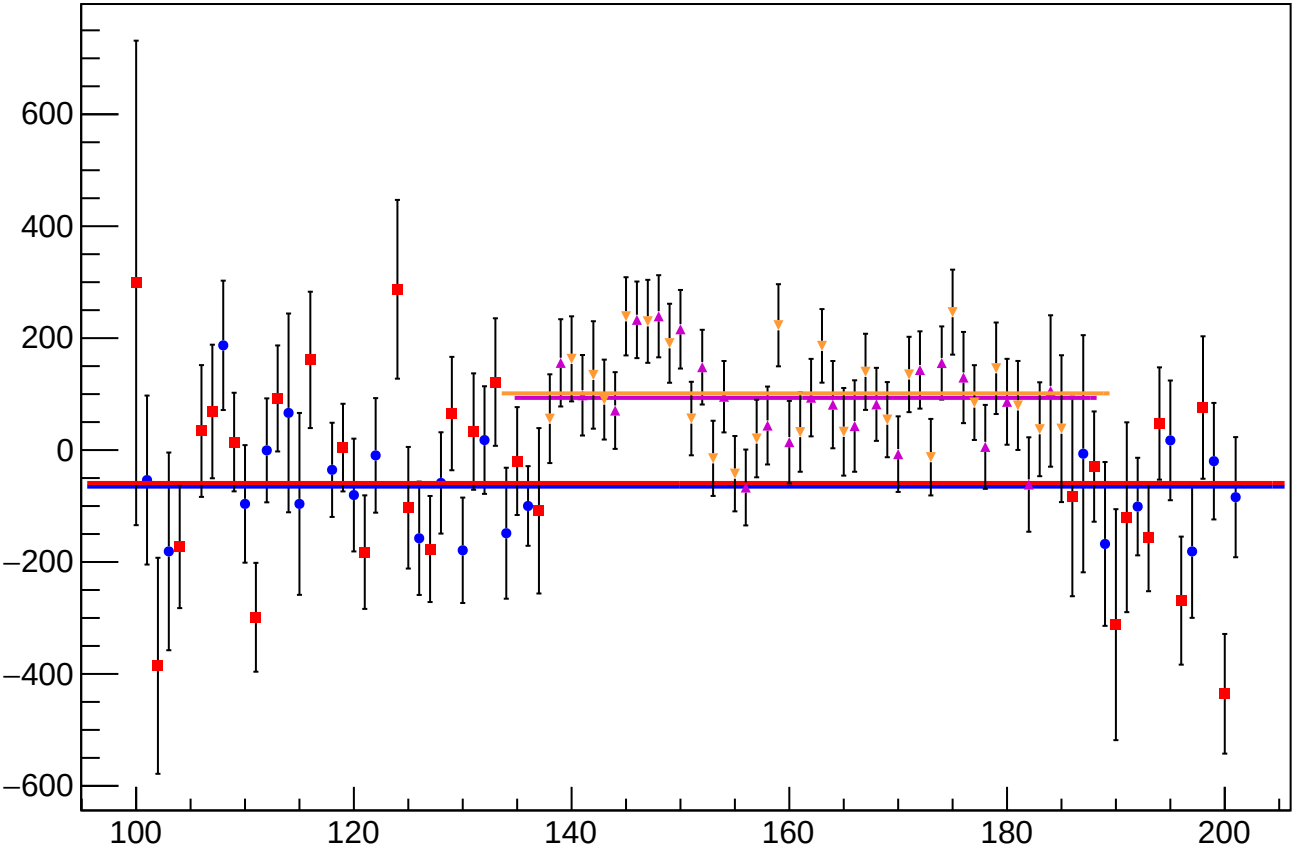
Right: 0.000+/-0.000 χ^2/NDF: 16562999.3/50

In: 0.000+/-0.000 χ^2/NDF:9216267.5/45

Out: 0.000+/-0.000 χ^2/NDF:10347184.6/52

All: 0.000+/-0.000 χ^2/NDF: 19631097.7/98

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: -58.739+/-21.261 χ^2/NDF: 53.4/27

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

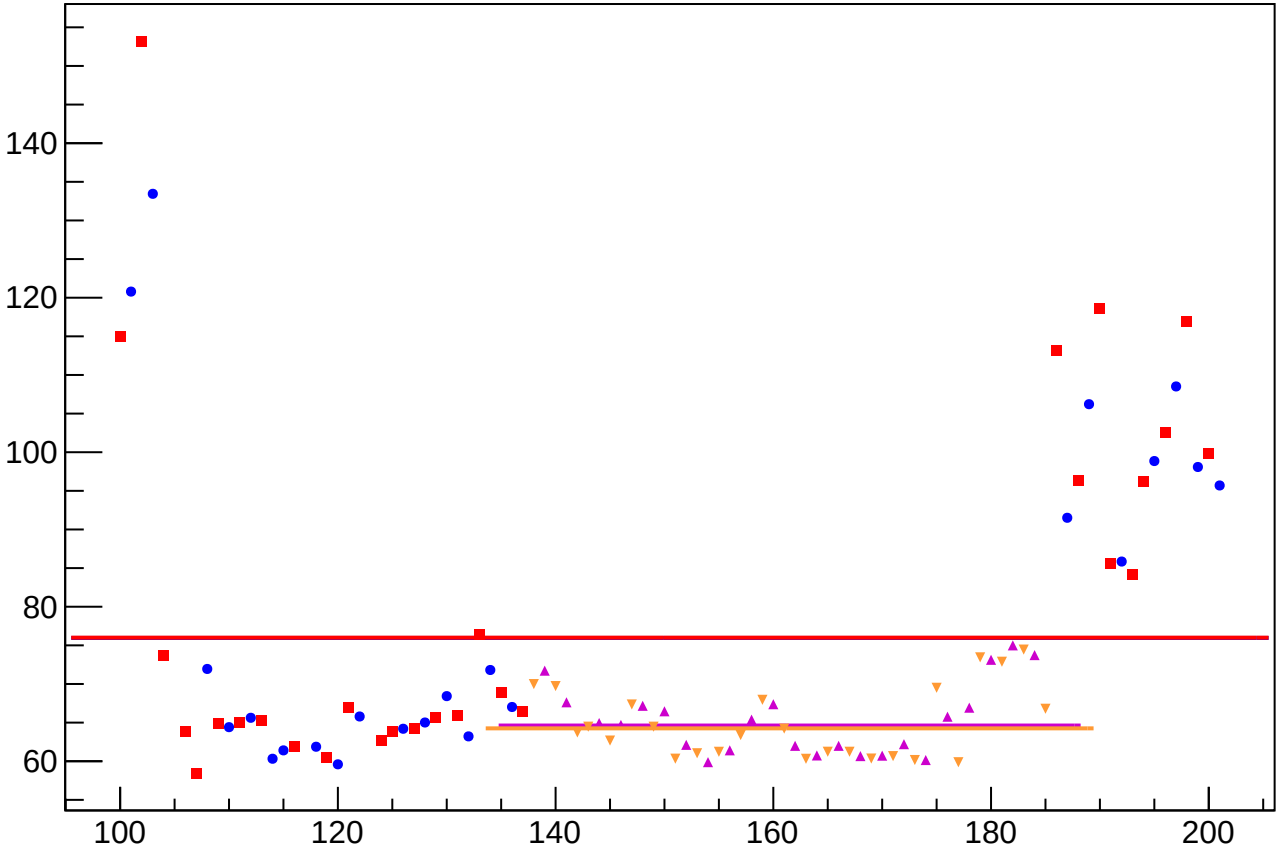
Right: -61.874+/-15.387 χ^2/NDF: 66.5/50

In: 43.219+/-12.524 χ^2/NDF:76.6/45

Out: 49.834+/-12.059 χ^2/NDF:125.7/52

All: 46.651+/-8.687 χ^2/NDF: 202.4/98

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: 75.994+/-0.015 χ^2/NDF: 1507604.8/27

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

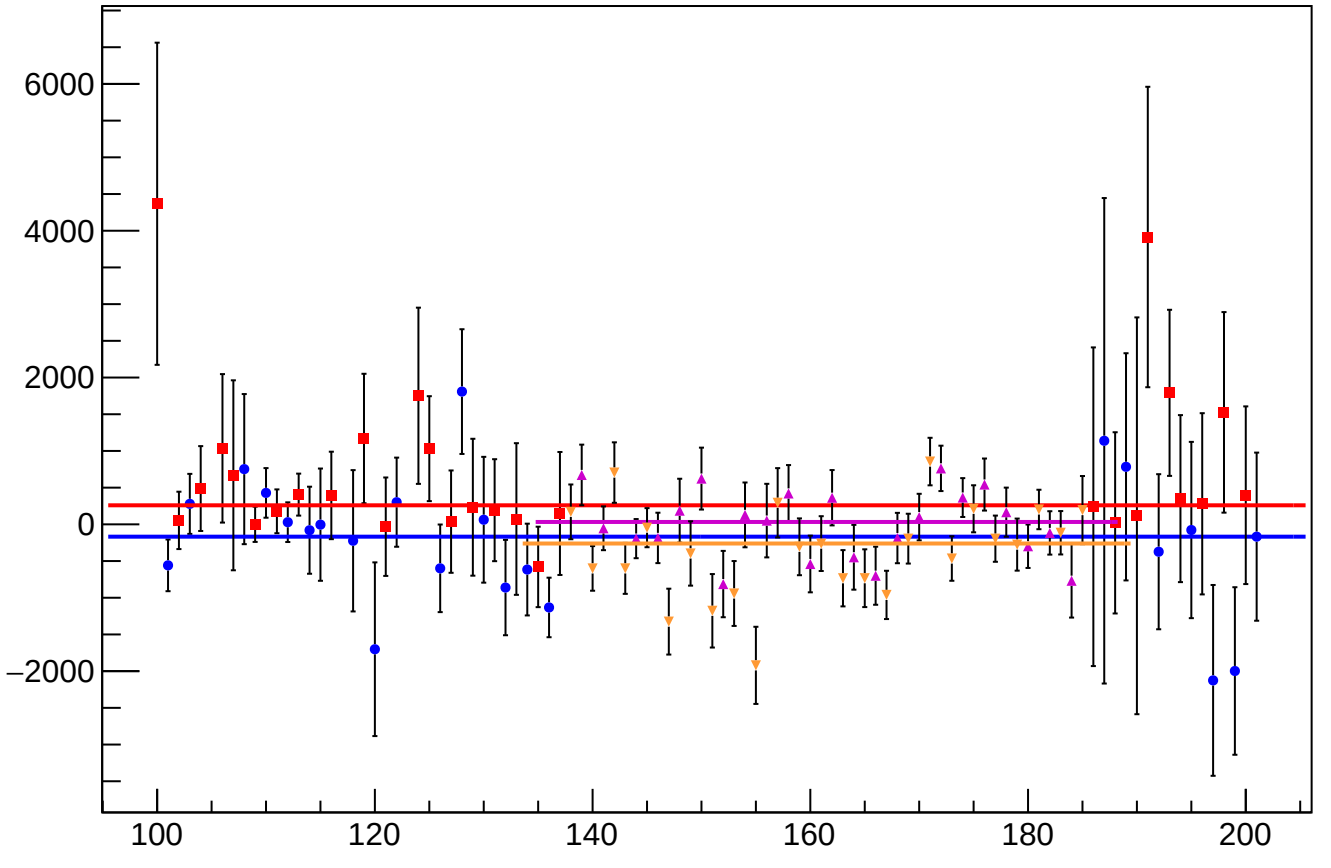
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.977+/-0.011 χ^2/NDF: 2767576.9/50

In: 68.197+/-0.009 χ^2/NDF:1761079.4/45

Out: 68.032+/-0.009 χ^2/NDF:2098835.0/52

All: 68.111+/-0.006 χ^2/NDF: 3860096.0/98



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: 259.400+/-114.141 χ^2/NDF: 18.6/27

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

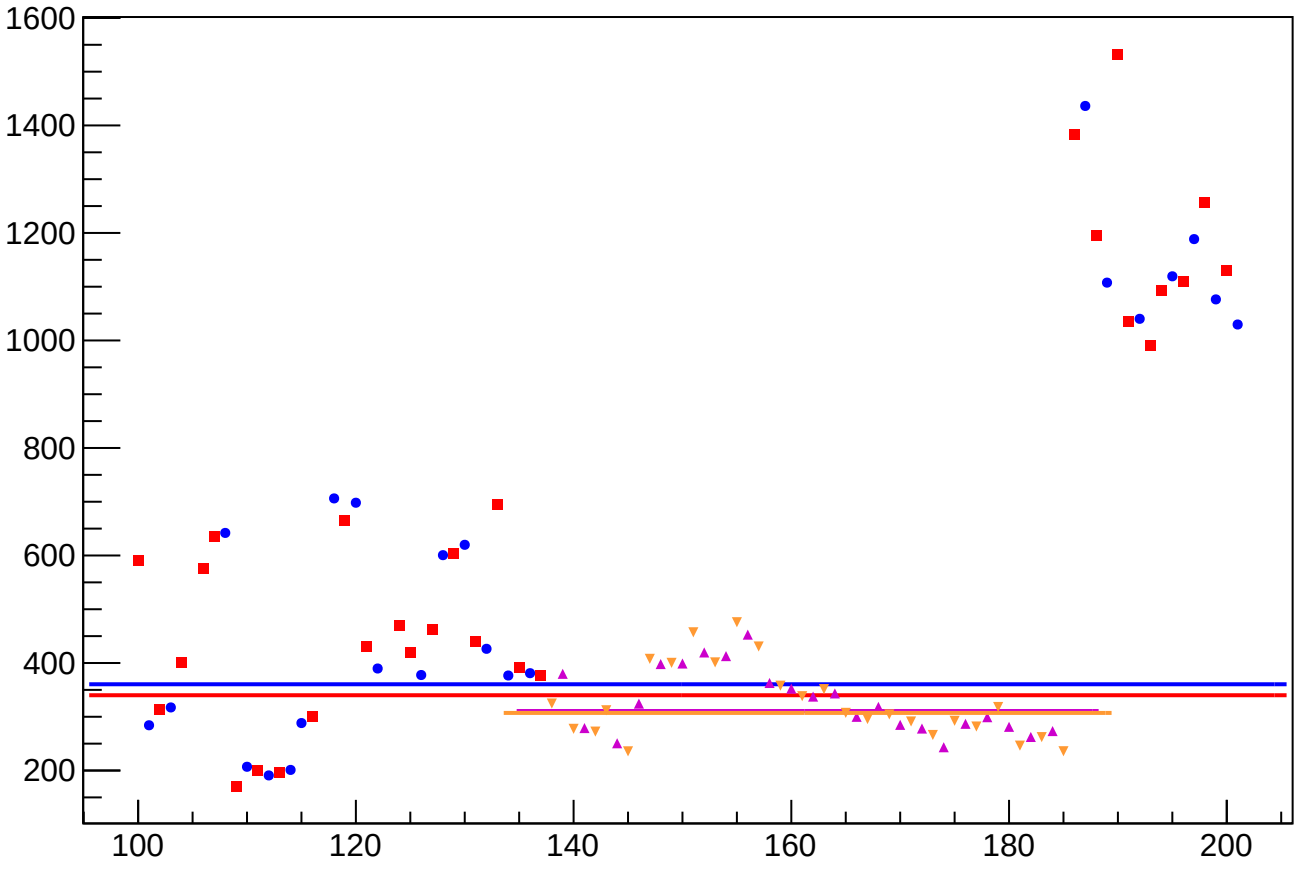
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 59.741+/-83.315 χ^2/NDF: 53.1/50

In: -21.367+/-63.154 χ^2/NDF:61.7/45

Out: -115.115+/-60.452 χ^2/NDF:92.4/52

All: -70.289+/-43.670 χ^2/NDF: 155.2/98



Right In: 360.462+/-0.086 χ^2/NDF: 7014302.2/22

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 340.049+/-0.081 χ^2/NDF: 9211419.3/27

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

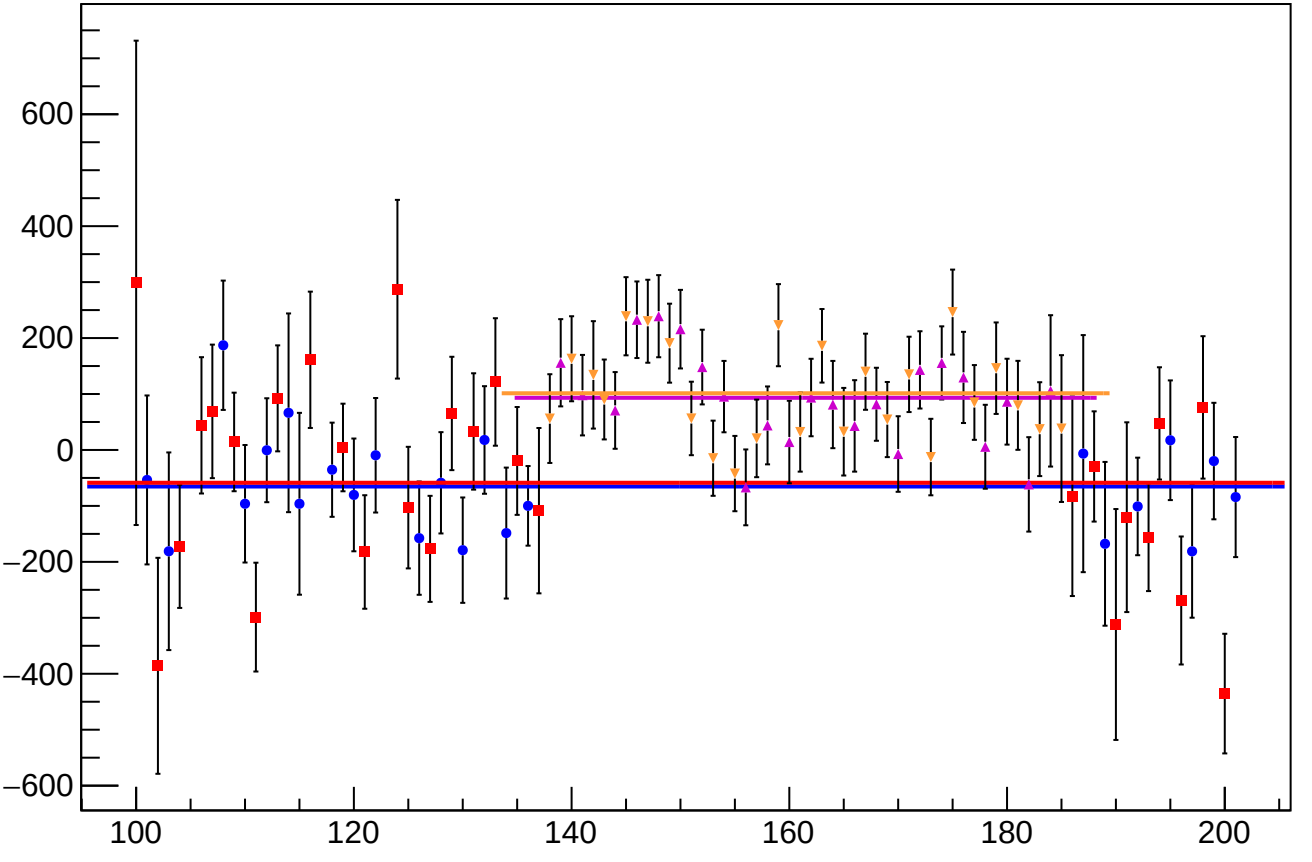
Right: 349.585+/-0.059 χ^2/NDF: 16255606.9/50

In: 324.056+/-0.045 χ^2/NDF:8337650.0/45

Out: 316.373+/-0.043 χ^2/NDF:10651163.7/52

All: 320.047+/-0.031 χ^2/NDF: 19004260.3/98

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: -58.637+/-21.284 χ^2/NDF: 53.5/27

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

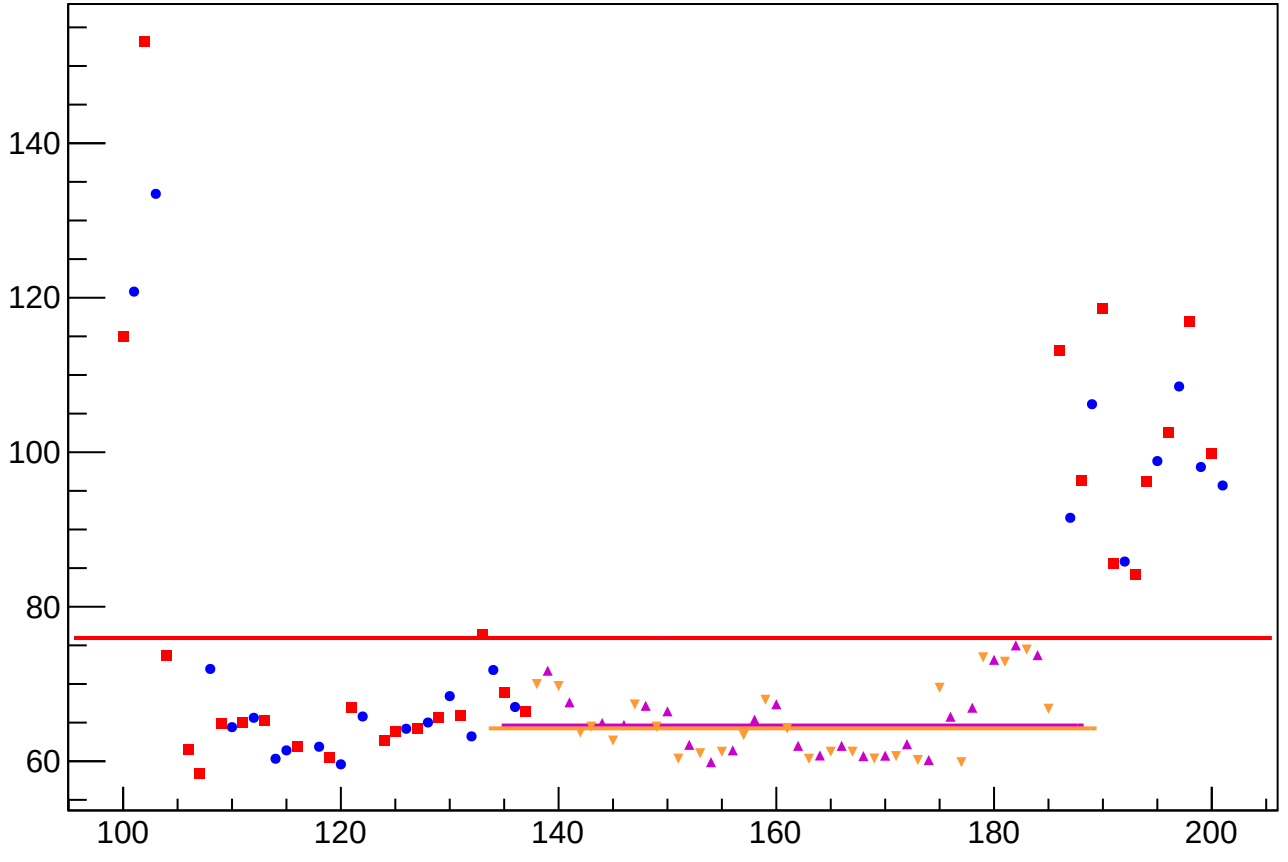
Right: -61.826+/-15.396 χ^2/NDF: 66.6/50

In: 43.217+/-12.524 χ^2/NDF:76.6/45

Out: 49.942+/-12.063 χ^2/NDF:125.7/52

All: 46.706+/-8.688 χ^2/NDF: 202.4/98

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: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

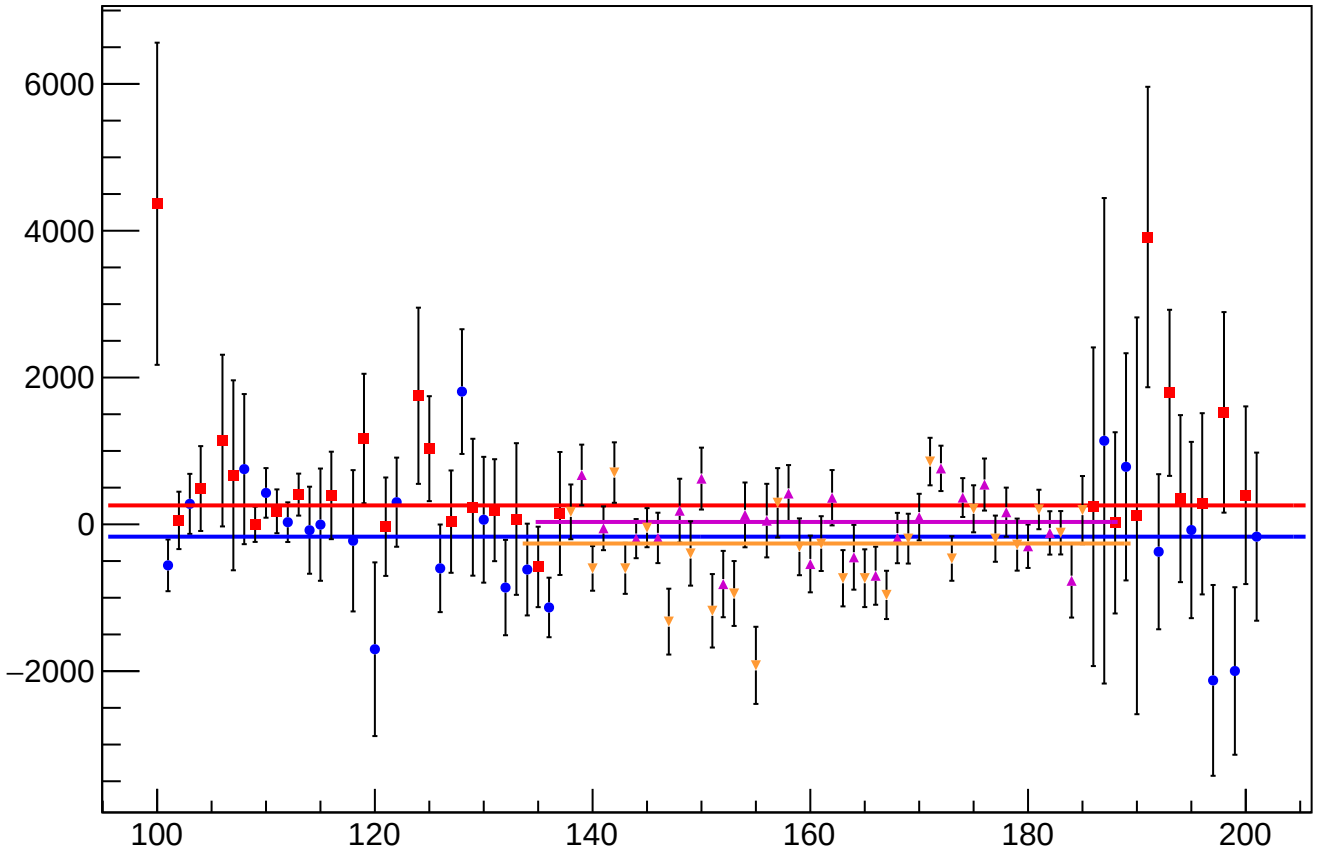
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.953+/-0.011 χ^2/NDF: 2774647.0/50

In: 68.197+/-0.009 χ^2/NDF:1761079.8/45

Out: 68.011+/-0.009 χ^2/NDF:2102065.1/52

All: 68.101+/-0.006 χ^2/NDF: 3863373.6/98



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: 257.922+/-114.329 χ^2/NDF: 18.6/27

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

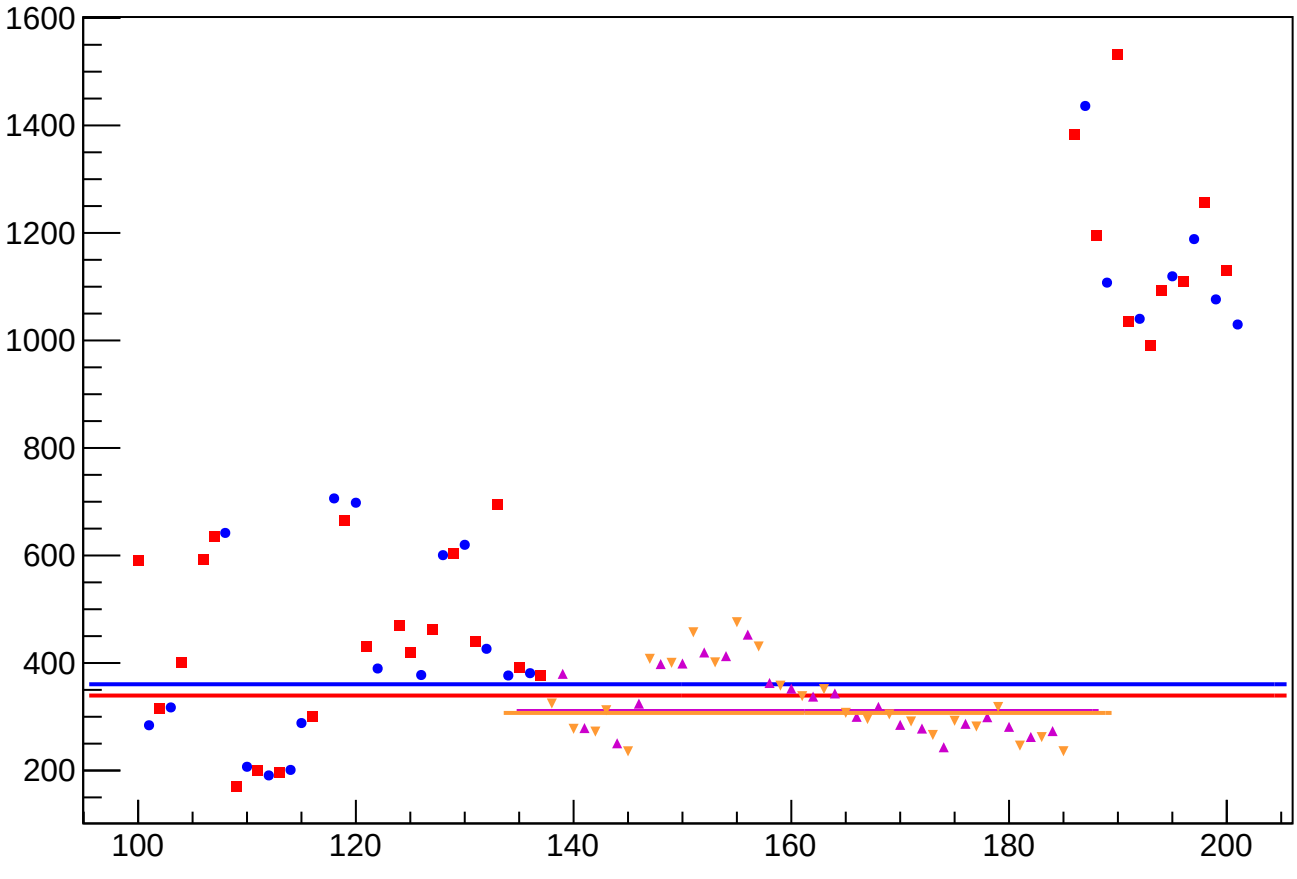
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 58.606+/-83.389 χ^2/NDF: 53.0/50

In: -21.368+/-63.154 χ^2/NDF:61.7/45

Out: -115.876+/-60.480 χ^2/NDF:92.2/52

All: -70.665+/-43.681 χ^2/NDF: 155.1/98



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: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

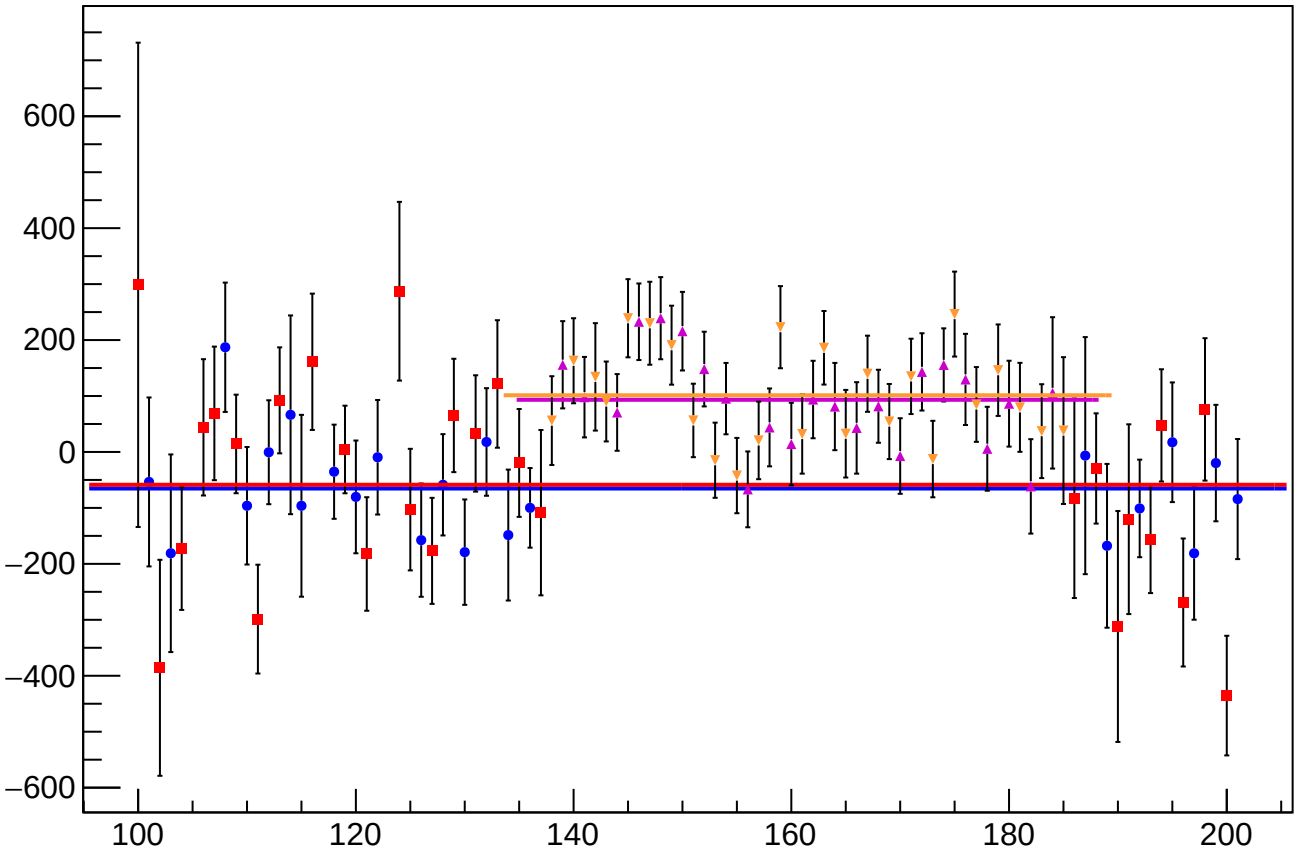
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 349.299+/-0.059 χ^2/NDF: 16242590.0/50

In: 324.057+/-0.045 χ^2/NDF:8337649.2/45

Out: 316.191+/-0.043 χ^2/NDF:10632114.3/52

All: 319.954+/-0.031 χ^2/NDF: 18985946.2/98



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: -58.637+/-21.284 χ^2/NDF: 53.5/27

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

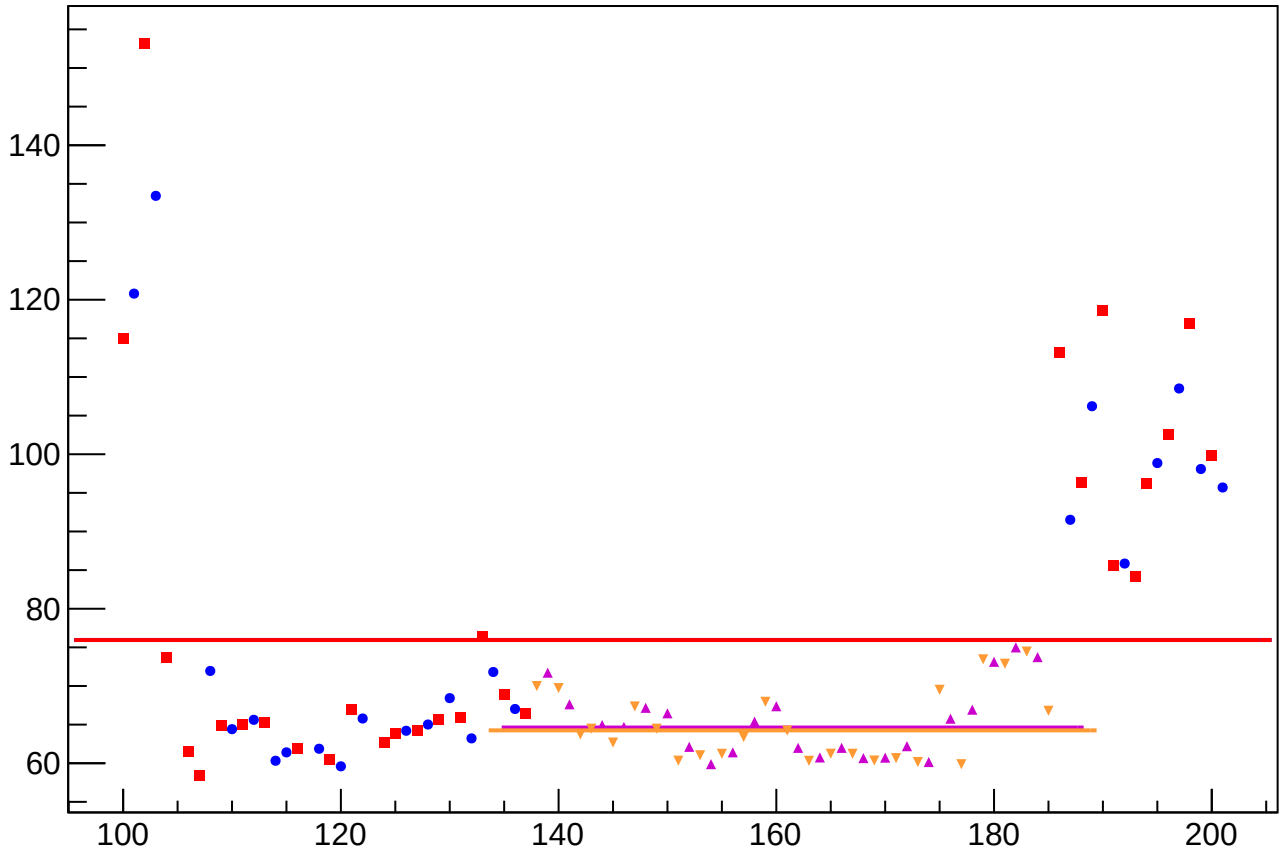
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -61.826+/-15.396 χ^2/NDF: 66.6/50

In: 43.217+/-12.524 χ^2/NDF:76.6/45

Out: 49.942+/-12.063 χ^2/NDF:125.7/52

All: 46.706+/-8.688 χ^2/NDF: 202.4/98



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: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

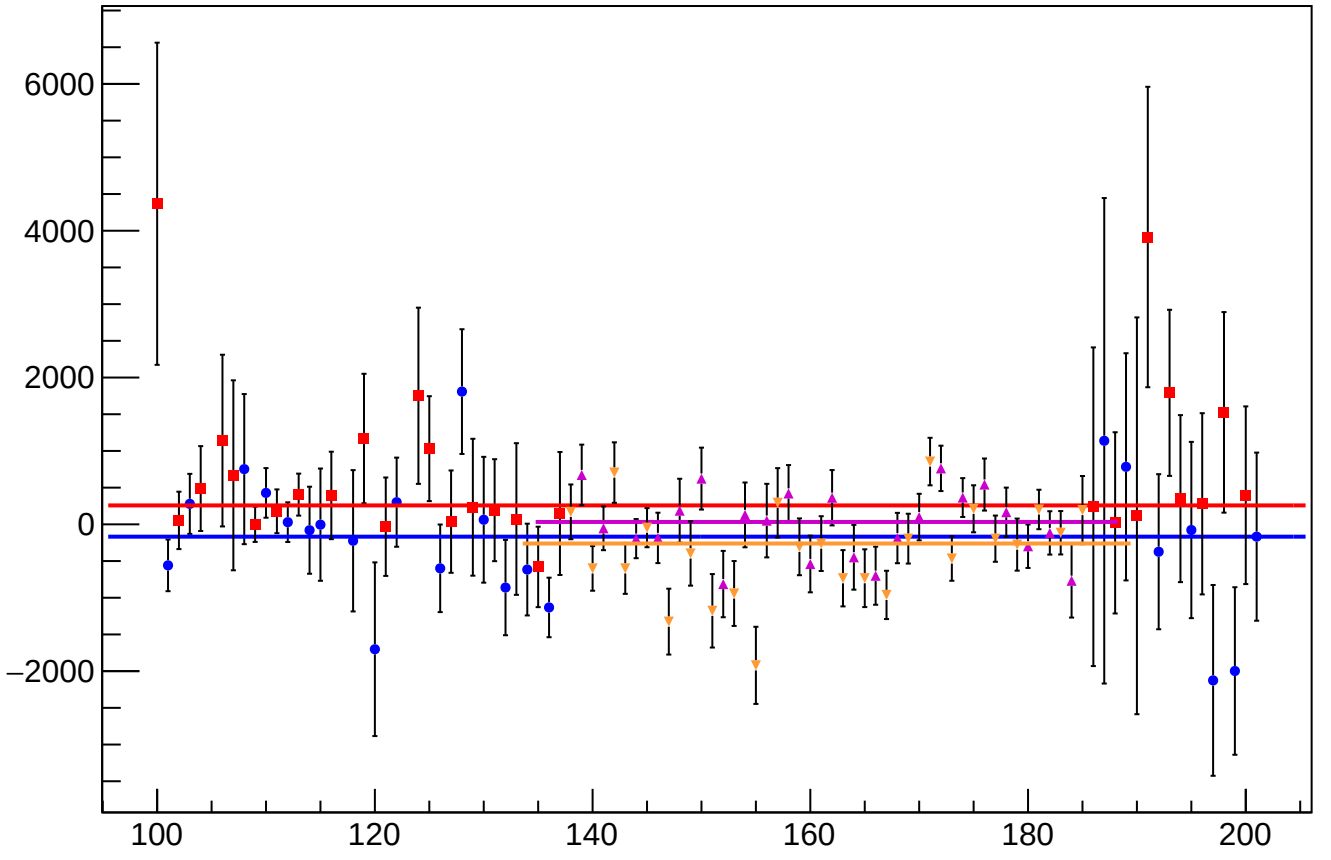
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.953+/-0.011 χ^2/NDF: 2774647.0/50

In: 68.197+/-0.009 χ^2/NDF:1761079.8/45

Out: 68.011+/-0.009 χ^2/NDF:2102065.1/52

All: 68.101+/-0.006 χ^2/NDF: 3863373.6/98



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: 257.922+/-114.329 χ^2/NDF: 18.6/27

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

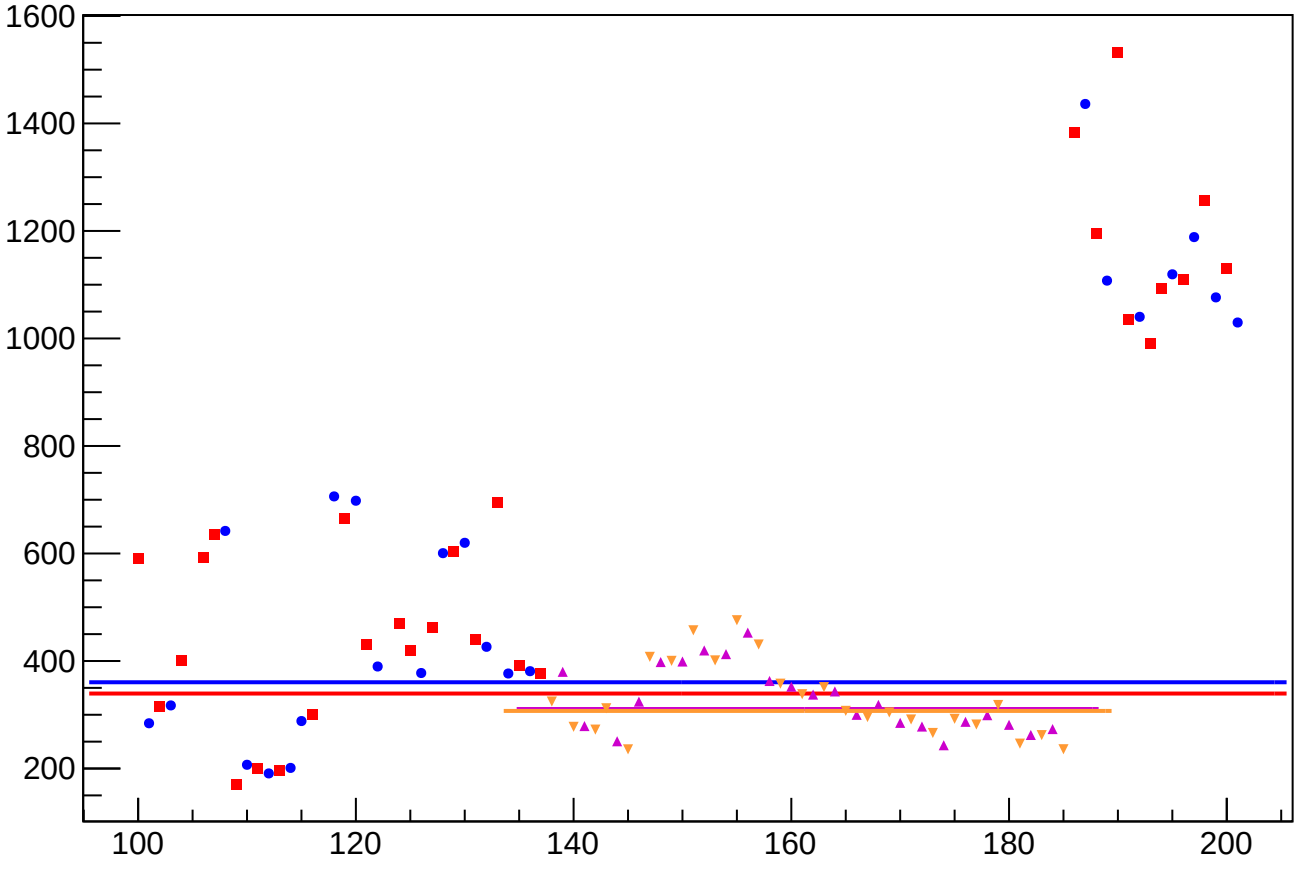
Right: 58.606+/-83.389 χ^2/NDF: 53.0/50

In: -21.368+/-63.154 χ^2/NDF:61.7/45

Out: -115.876+/-60.480 χ^2/NDF:92.2/52

All: -70.665+/-43.681 χ^2/NDF: 155.1/98

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: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

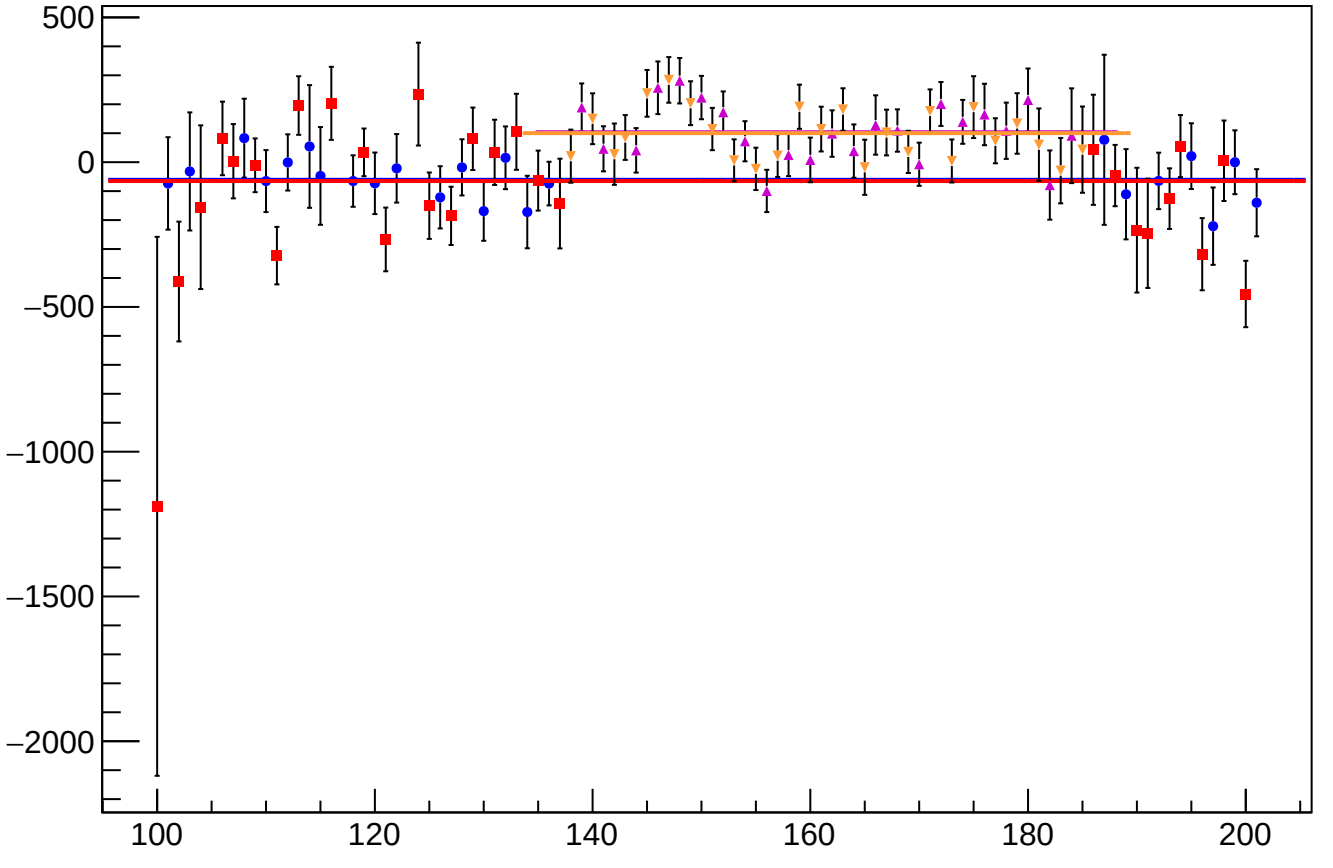
Right: 349.299+/-0.059 χ^2/NDF: 16242590.0/50

In: 324.057+/-0.045 χ^2/NDF:8337649.2/45

Out: 316.191+/-0.043 χ^2/NDF:10632114.3/52

All: 319.954+/-0.031 χ^2/NDF: 18985946.2/98

dit_asym_sam7_mean vs Slug, Sign Corrected



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: -65.145+/-23.131 χ^2/NDF: 57.9/27

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

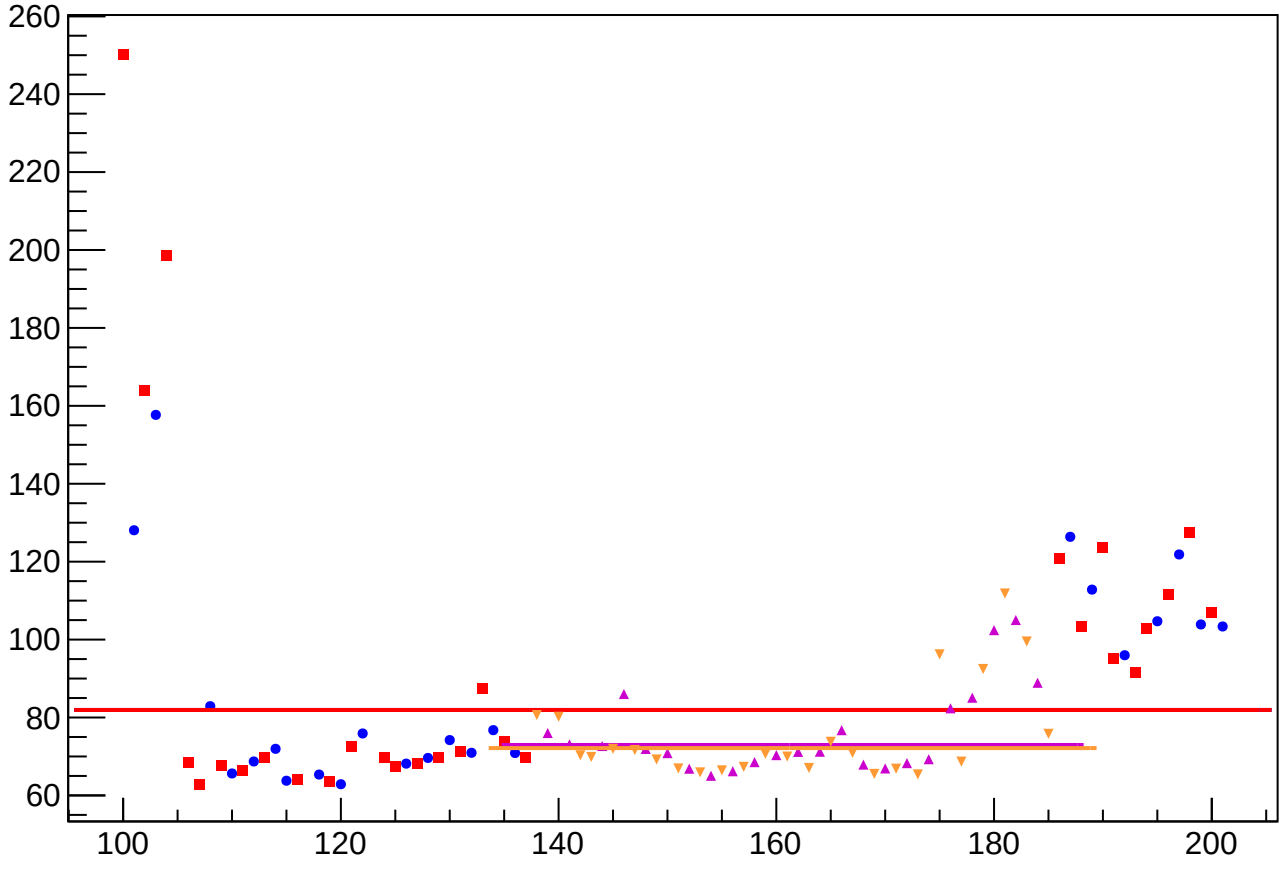
Right: -63.146+/-16.702 χ^2/NDF: 65.8/50

In: 47.774+/-14.041 χ^2/NDF:71.3/45

Out: 43.929+/-13.500 χ^2/NDF:119.3/52

All: 45.776+/-9.731 χ^2/NDF: 190.7/98

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: 81.935+/-0.016 χ^2/NDF: 1985718.2/27

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

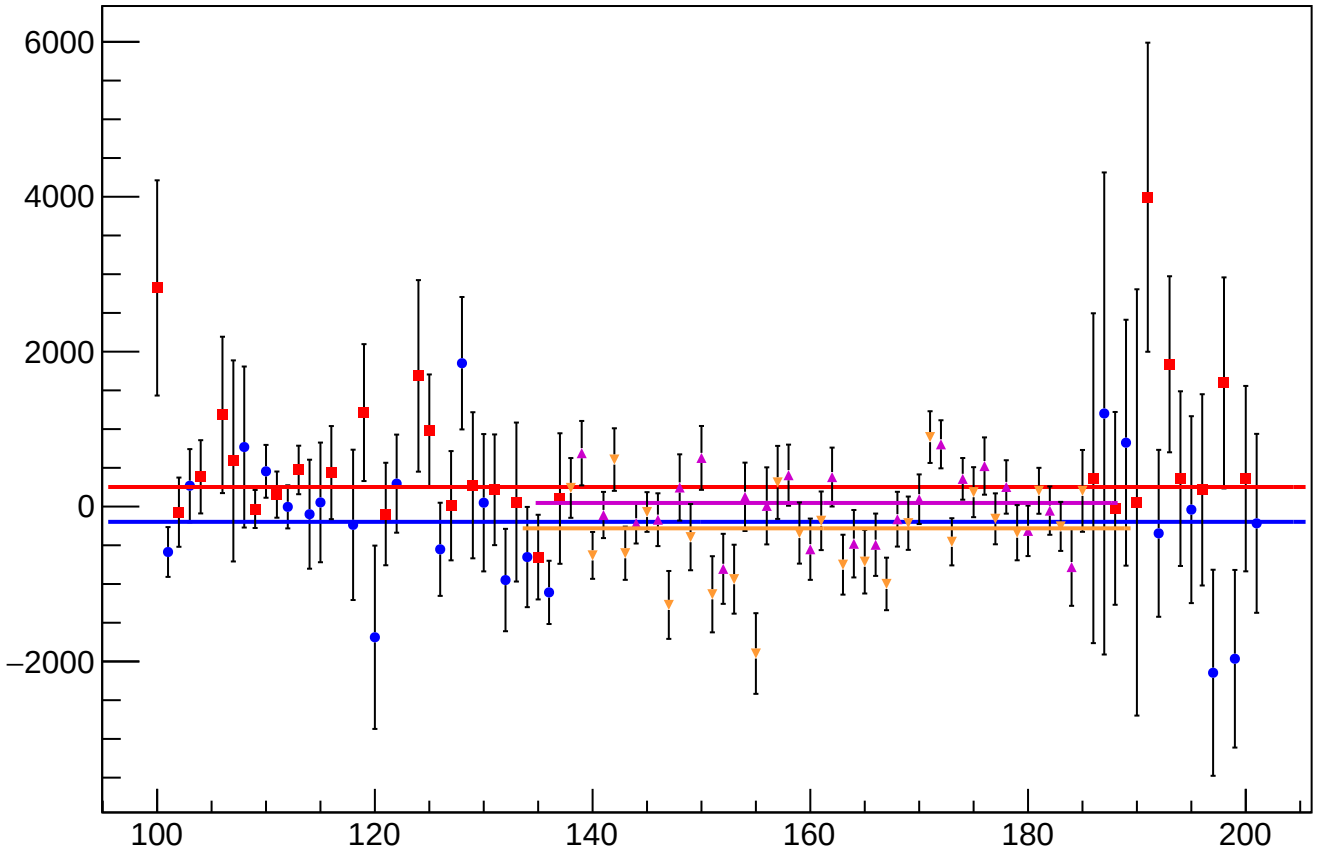
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.935+/-0.012 χ^2/NDF: 3394722.2/50

In: 75.988+/-0.010 χ^2/NDF:2101444.8/45

Out: 75.483+/-0.010 χ^2/NDF:2863723.0/52

All: 75.726+/-0.007 χ^2/NDF: 4966513.8/98



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: 252.436+/-116.243 χ^2/NDF: 20.2/27

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

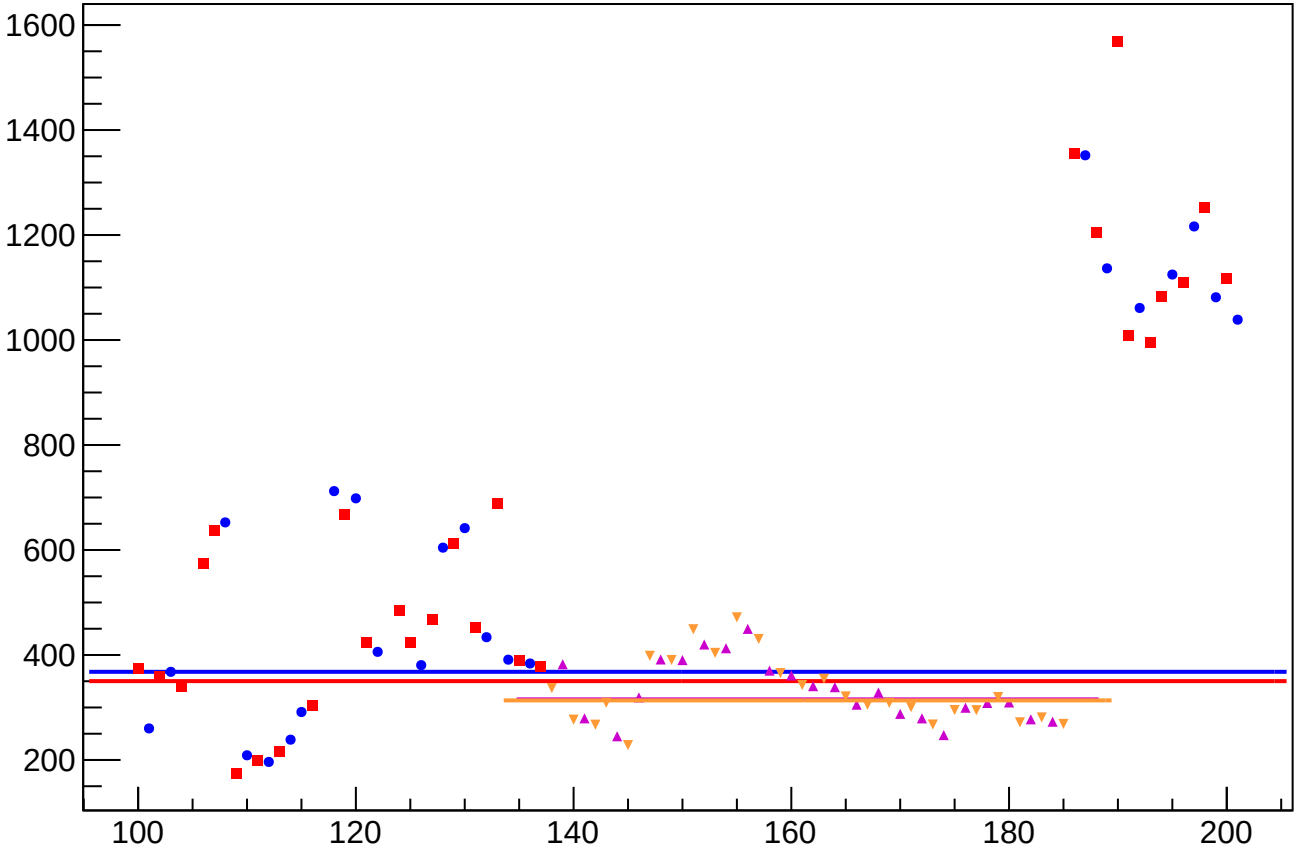
Right: 42.566+/-84.896 χ^2/NDF: 55.1/50

In: -18.412+/-64.149 χ^2/NDF:61.4/45

Out: -131.644+/-61.539 χ^2/NDF:92.2/52

All: -77.378+/-44.409 χ^2/NDF: 155.3/98

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



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: 350.210+/-0.082 χ^2/NDF: 8879397.6/27

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

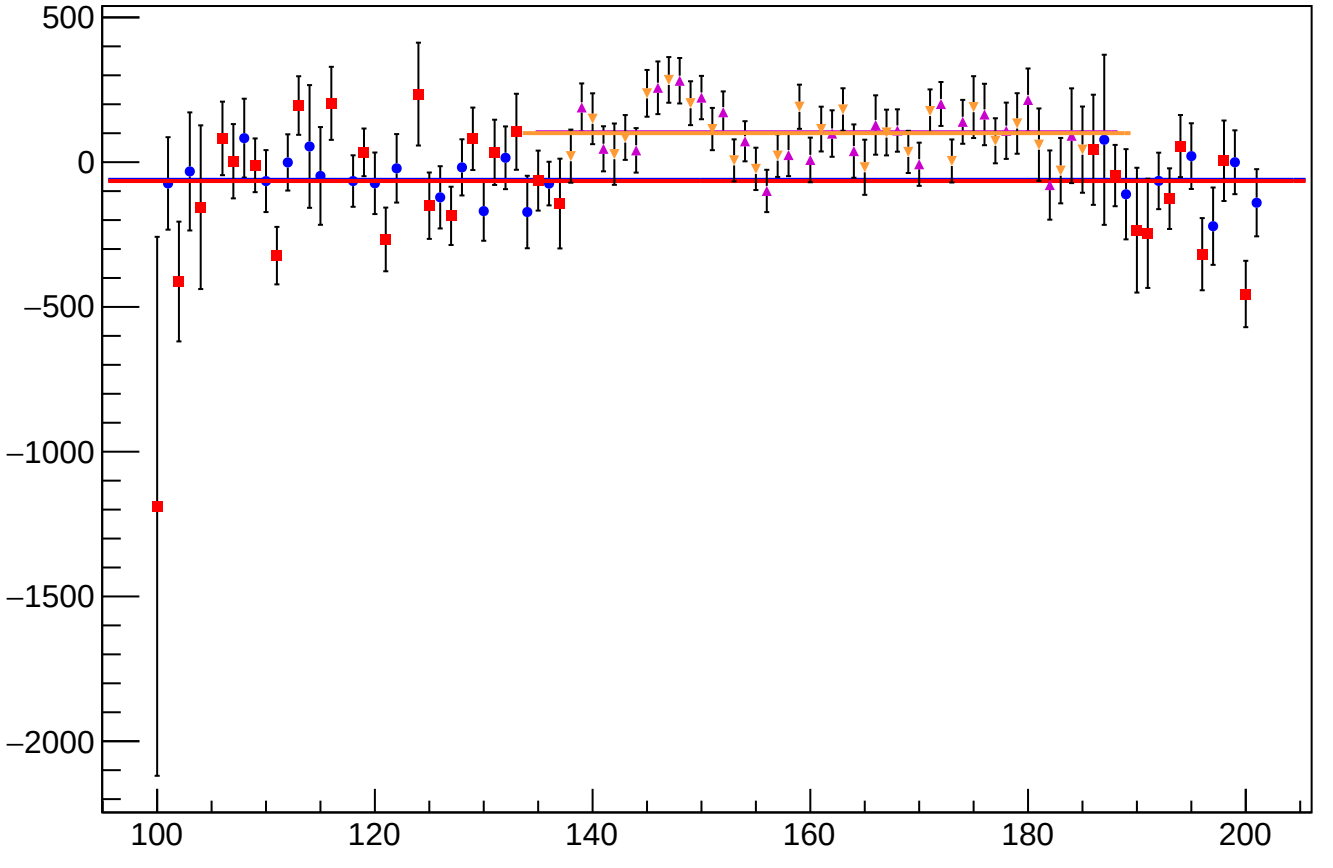
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 358.484+/-0.060 χ^2/NDF: 15888697.2/50

In: 329.439+/-0.045 χ^2/NDF:8257788.2/45

Out: 323.789+/-0.044 χ^2/NDF:10198483.8/52

All: 326.497+/-0.031 χ^2/NDF: 18464353.0/98



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: -65.145+/-23.131 χ^2/NDF: 57.9/27

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

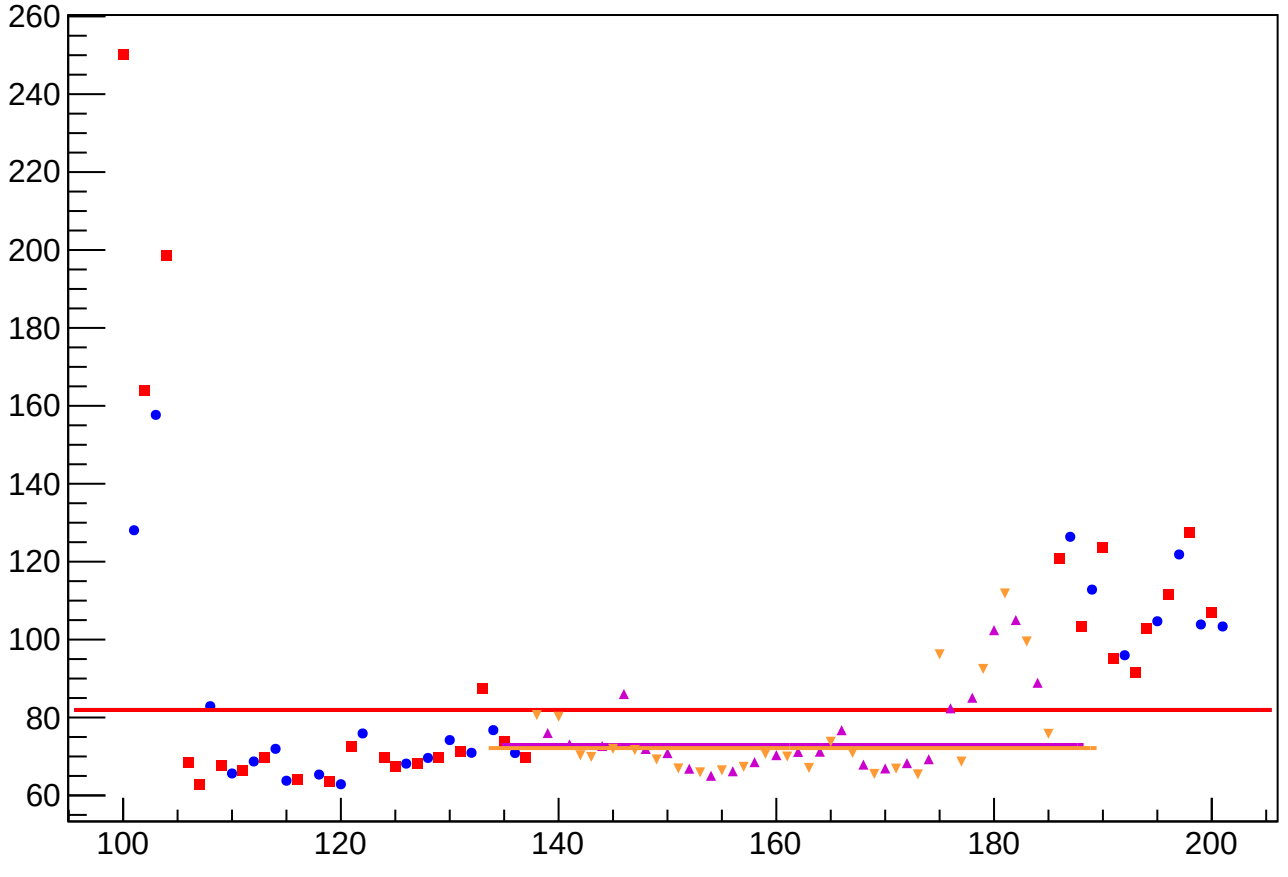
Right: -63.146+/-16.702 χ^2/NDF: 65.8/50

In: 47.774+/-14.041 χ^2/NDF:71.3/45

Out: 43.929+/-13.500 χ^2/NDF:119.3/52

All: 45.776+/-9.731 χ^2/NDF: 190.7/98

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



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: 81.935+/-0.016 χ^2/NDF: 1985719.1/27

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

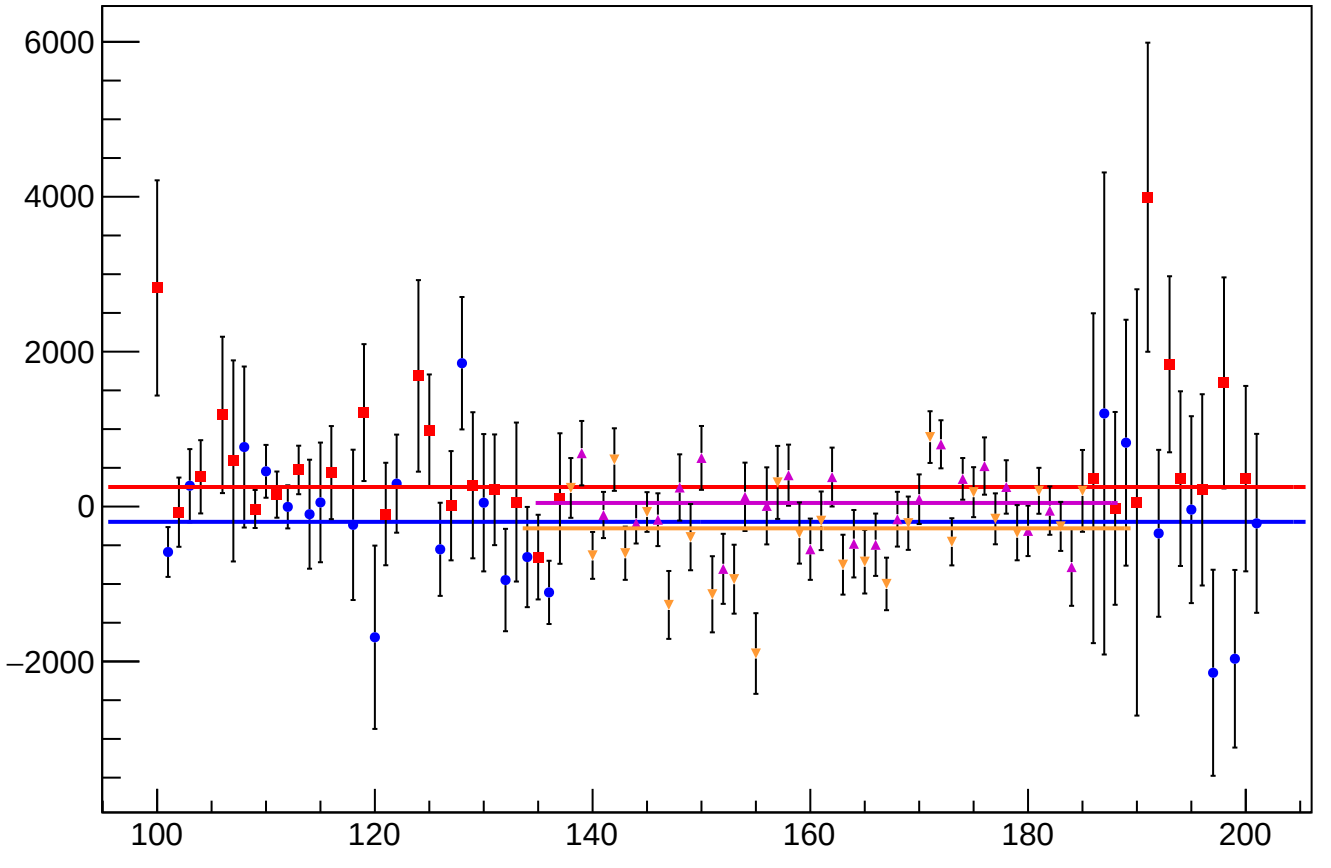
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.935+/-0.012 χ^2/NDF: 3394730.8/50

In: 75.988+/-0.010 χ^2/NDF:2101447.3/45

Out: 75.483+/-0.010 χ^2/NDF:2863715.3/52

All: 75.726+/-0.007 χ^2/NDF: 4966508.7/98



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: 252.435+/-116.242 χ^2/NDF: 20.2/27

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

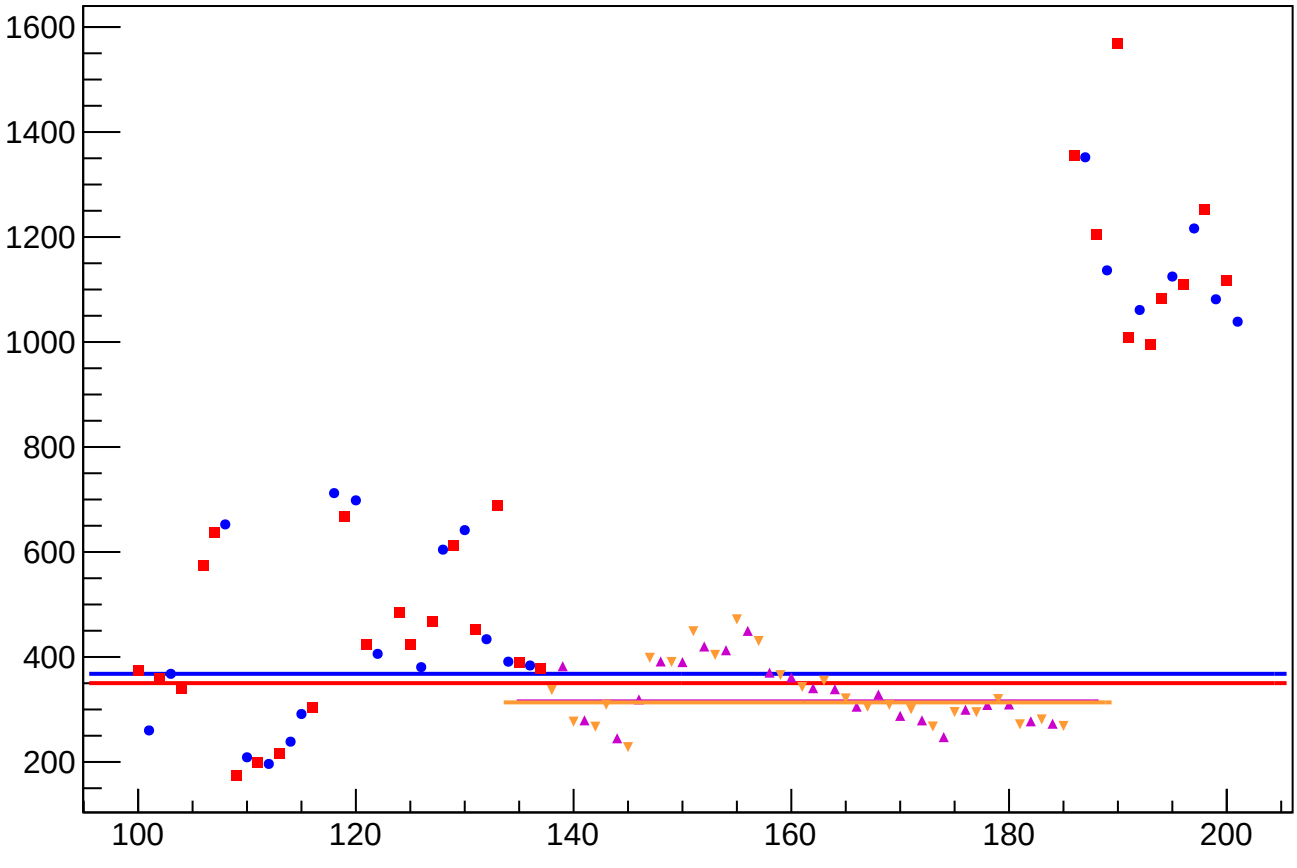
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 42.565+/-84.895 χ^2/NDF: 55.1/50

In: -18.412+/-64.149 χ^2/NDF:61.4/45

Out: -131.644+/-61.539 χ^2/NDF:92.2/52

All: -77.378+/-44.409 χ^2/NDF: 155.3/98



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: 350.208+/-0.082 χ^2/NDF: 8879430.2/27

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

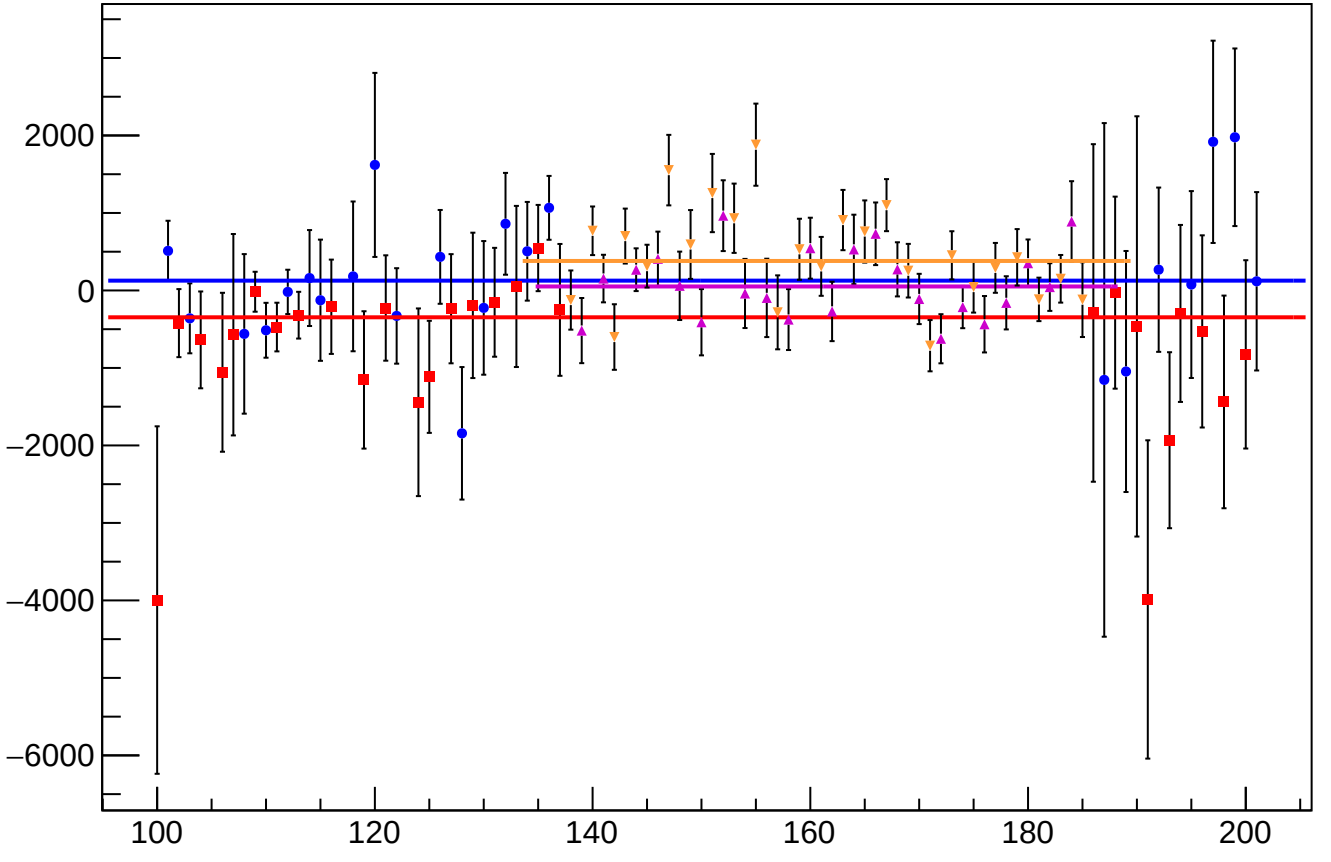
Right: 358.482+/-0.060 χ^2/NDF: 15888789.3/50

In: 329.439+/-0.045 χ^2/NDF:8257819.8/45

Out: 323.788+/-0.044 χ^2/NDF:10198508.1/52

All: 326.496+/-0.031 χ^2/NDF: 18464408.8/98

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: -346.414+/-119.728 χ^2/NDF: 16.9/27

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

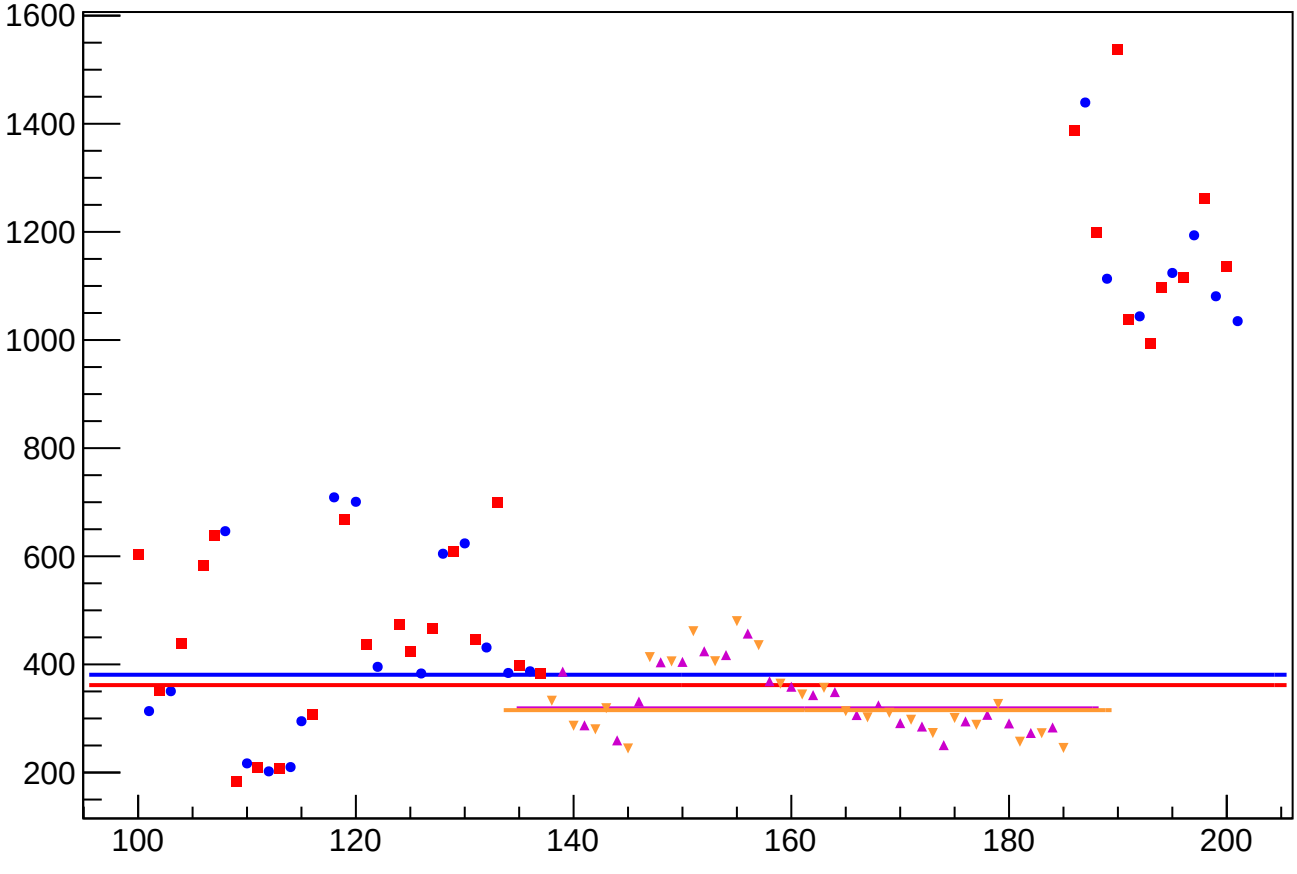
Right: -124.509+/-87.237 χ^2/NDF: 50.4/50

In: 71.064+/-65.029 χ^2/NDF:54.6/45

Out: 183.370+/-62.363 χ^2/NDF:99.2/52

All: 129.566+/-45.011 χ^2/NDF: 155.3/98

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: 361.705+/-0.085 χ^2/NDF: 8742574.7/27

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

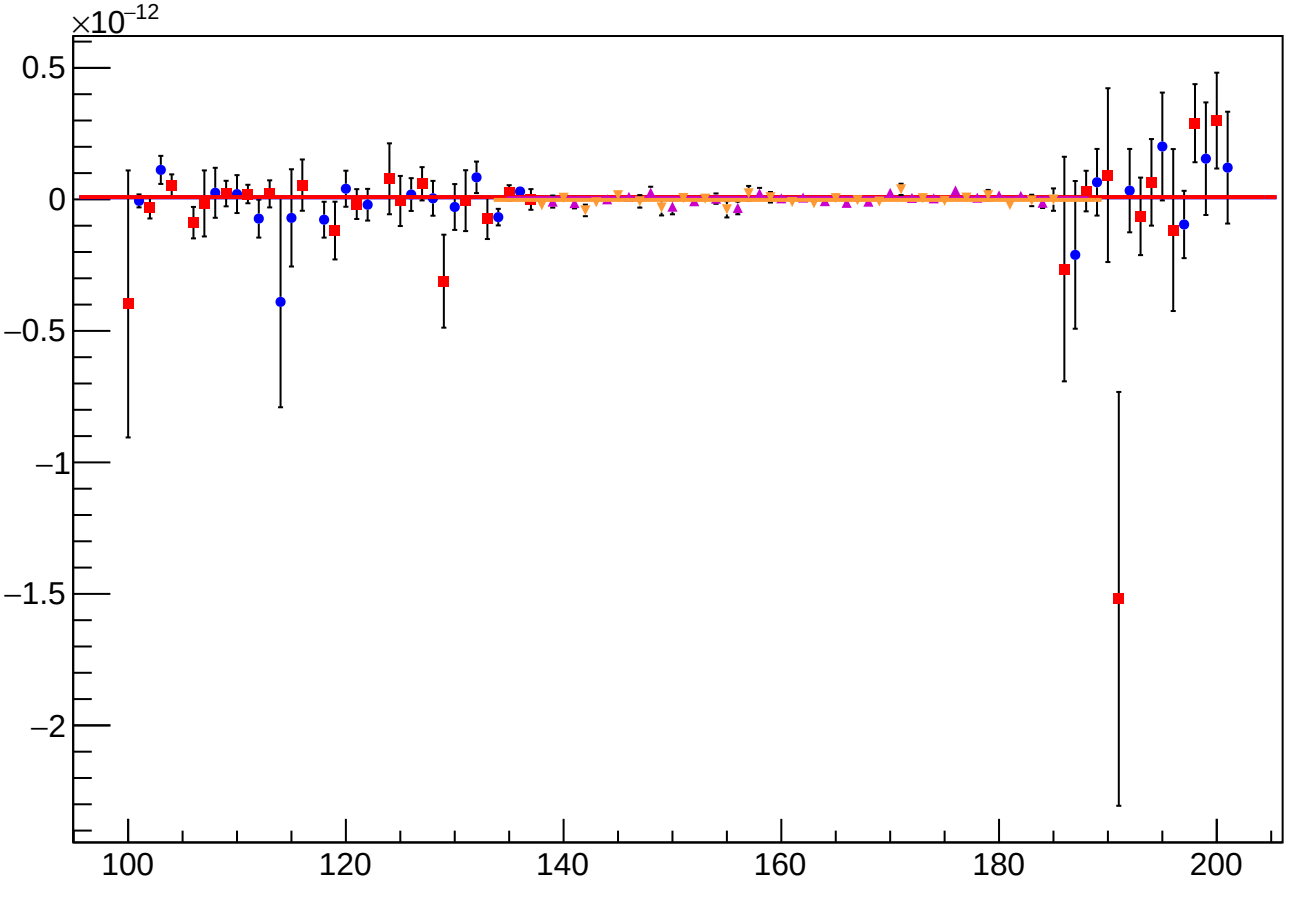
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 370.687+/-0.062 χ^2/NDF: 15396923.2/50

In: 334.892+/-0.046 χ^2/NDF:7974173.7/45

Out: 327.960+/-0.044 χ^2/NDF:10170711.0/52

All: 331.281+/-0.032 χ^2/NDF: 18156724.7/98



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: 23.9/27

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

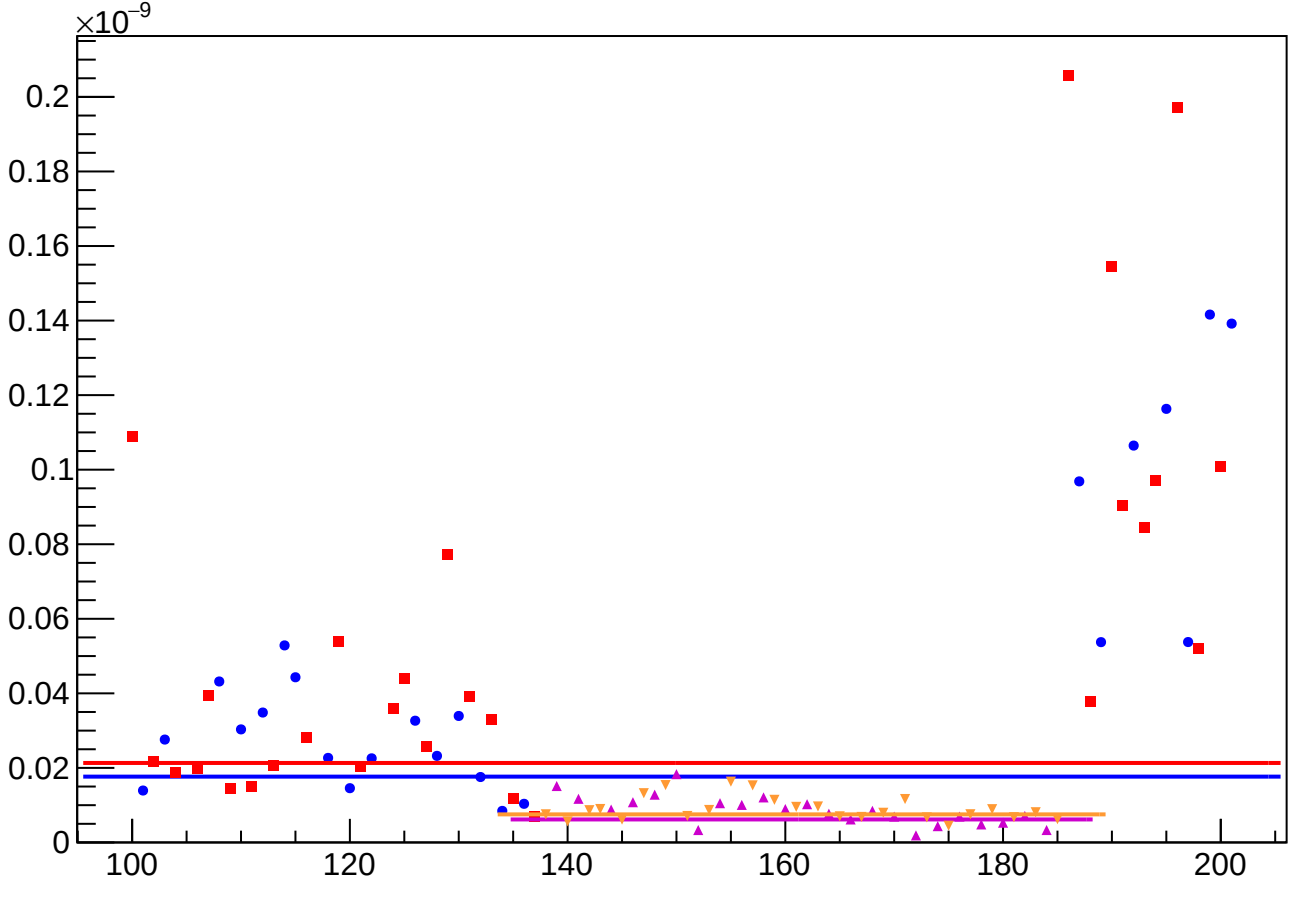
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 44.7/50

In: 0.000+/-0.000 χ^2/NDF:38.6/45

Out: -0.000+/-0.000 χ^2/NDF:43.5/52

All: 0.000+/-0.000 χ^2/NDF: 84.1/98



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: 4032444.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

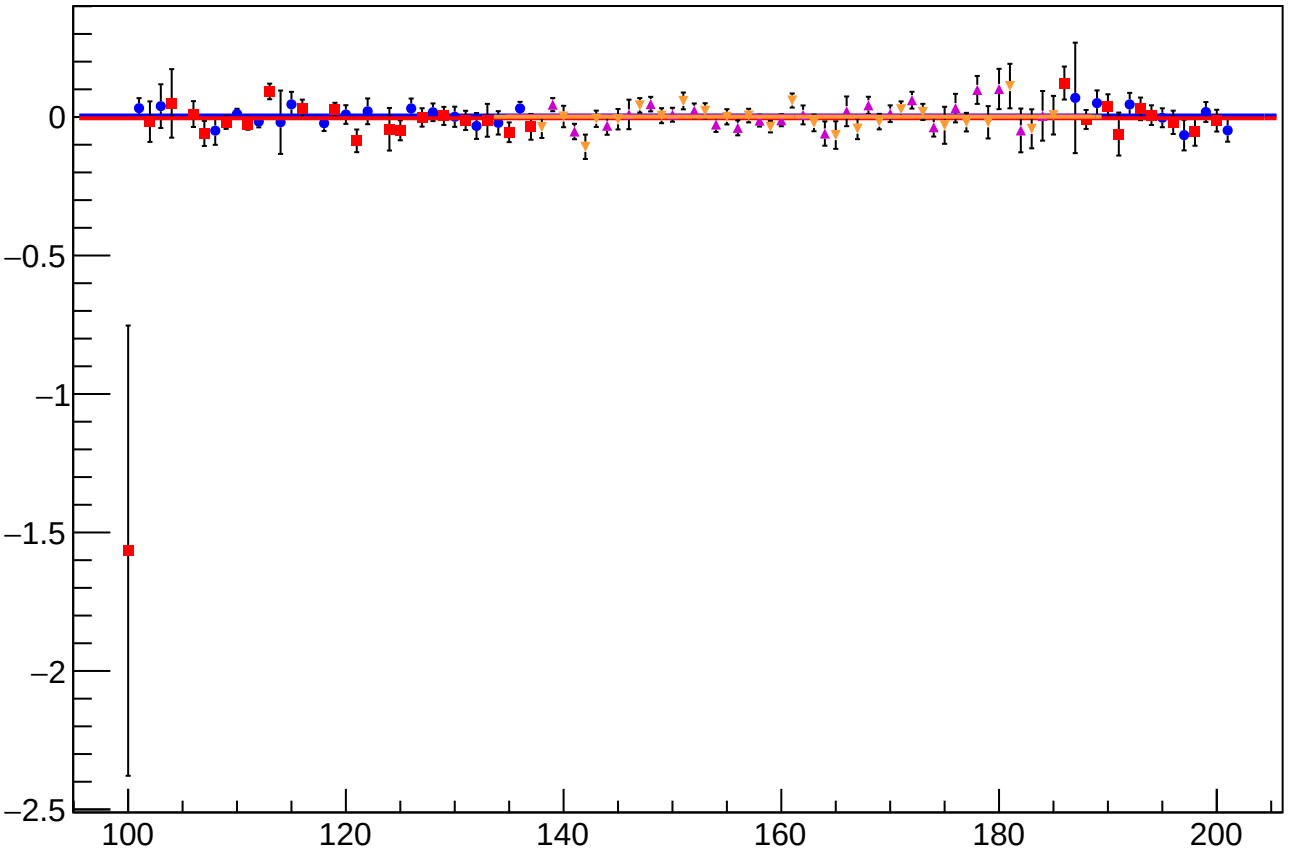
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8257810.2/50

In: 0.000+/-0.000 χ^2/NDF:9012763.0/45

Out: 0.000+/-0.000 χ^2/NDF:7531943.6/52

All: 0.000+/-0.000 χ^2/NDF: 16758155.5/98



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: 37.9/27

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

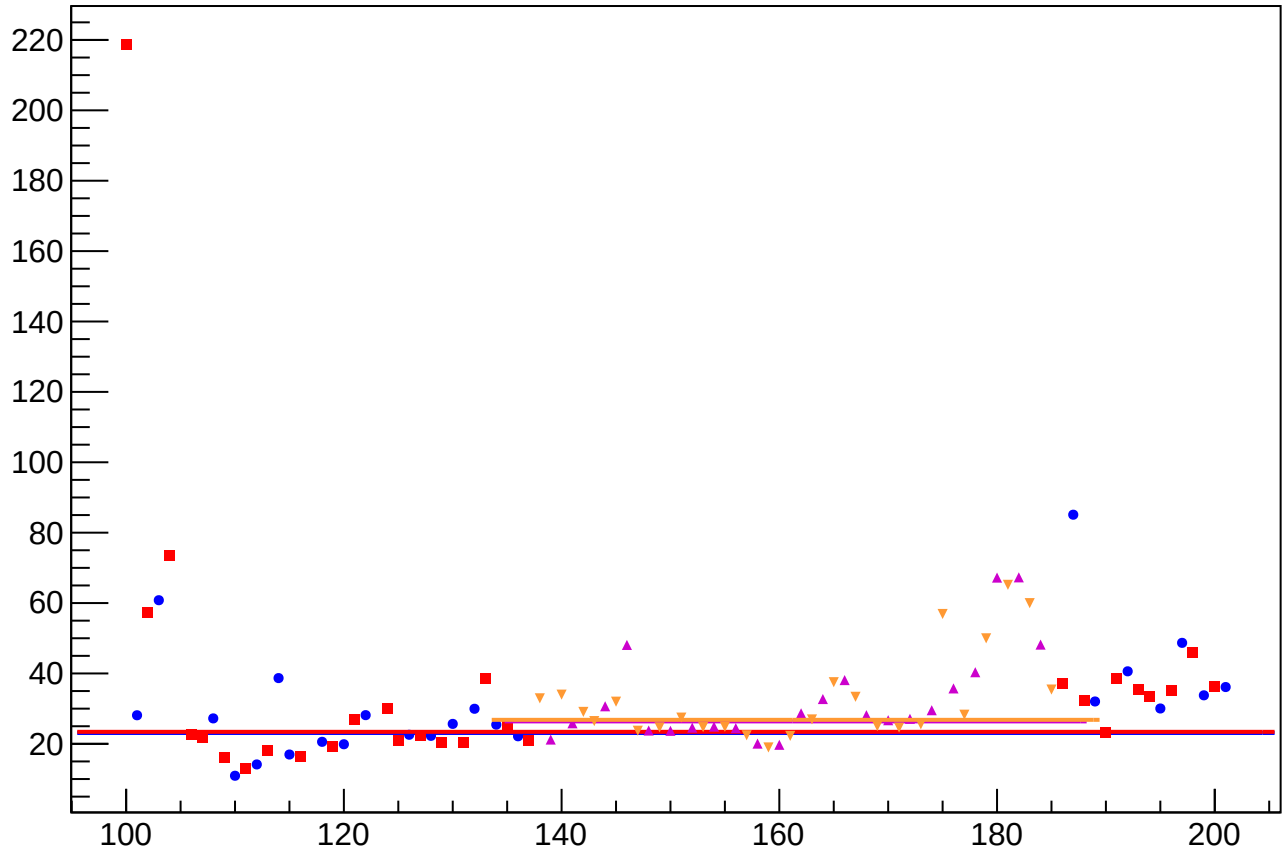
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.2/50

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 113.8/98



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: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

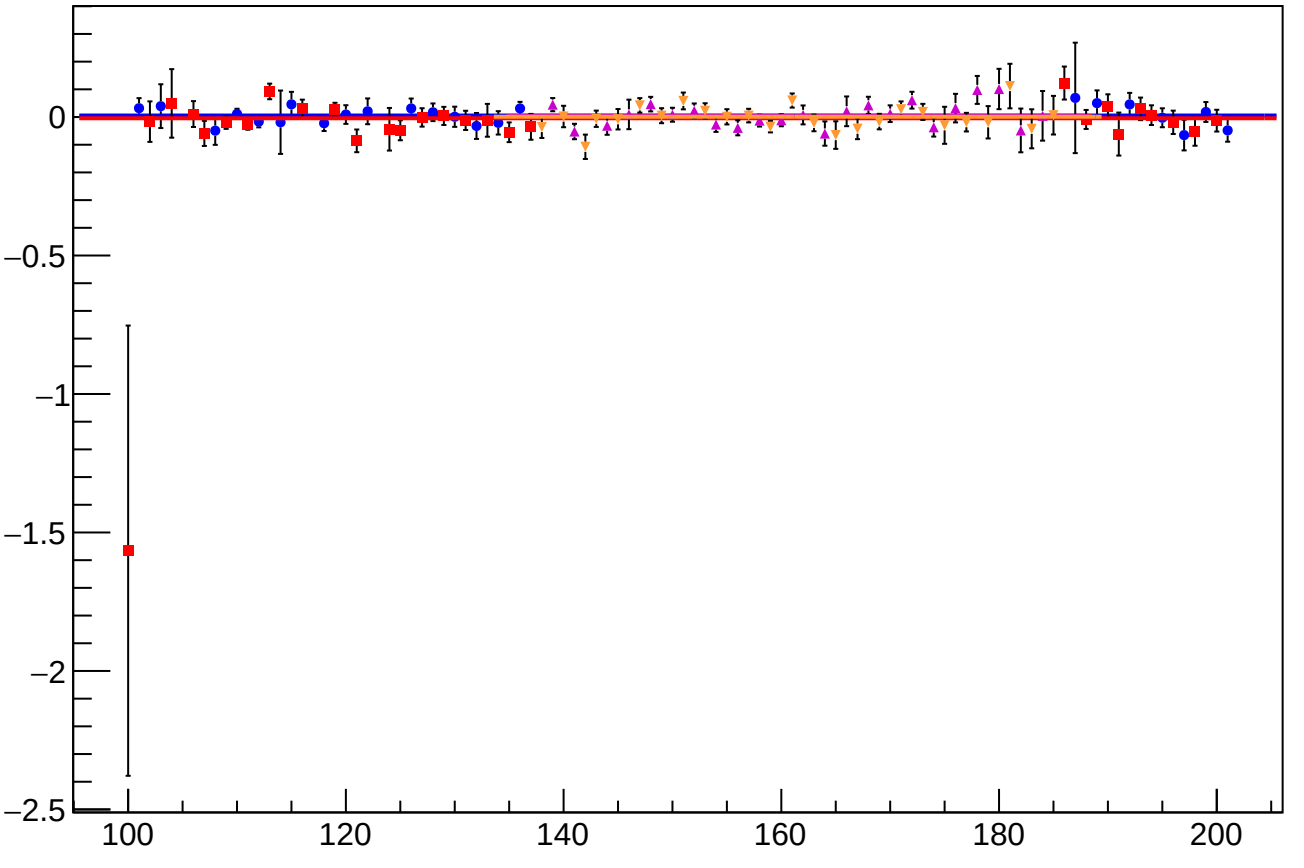
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.256+/-0.004 χ^2/NDF: 6932497.8/50

In: 24.903+/-0.003 χ^2/NDF:6229842.7/45

Out: 25.258+/-0.003 χ^2/NDF:6211689.3/52

All: 25.085+/-0.002 χ^2/NDF: 12446912.6/98



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: 37.9/27

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

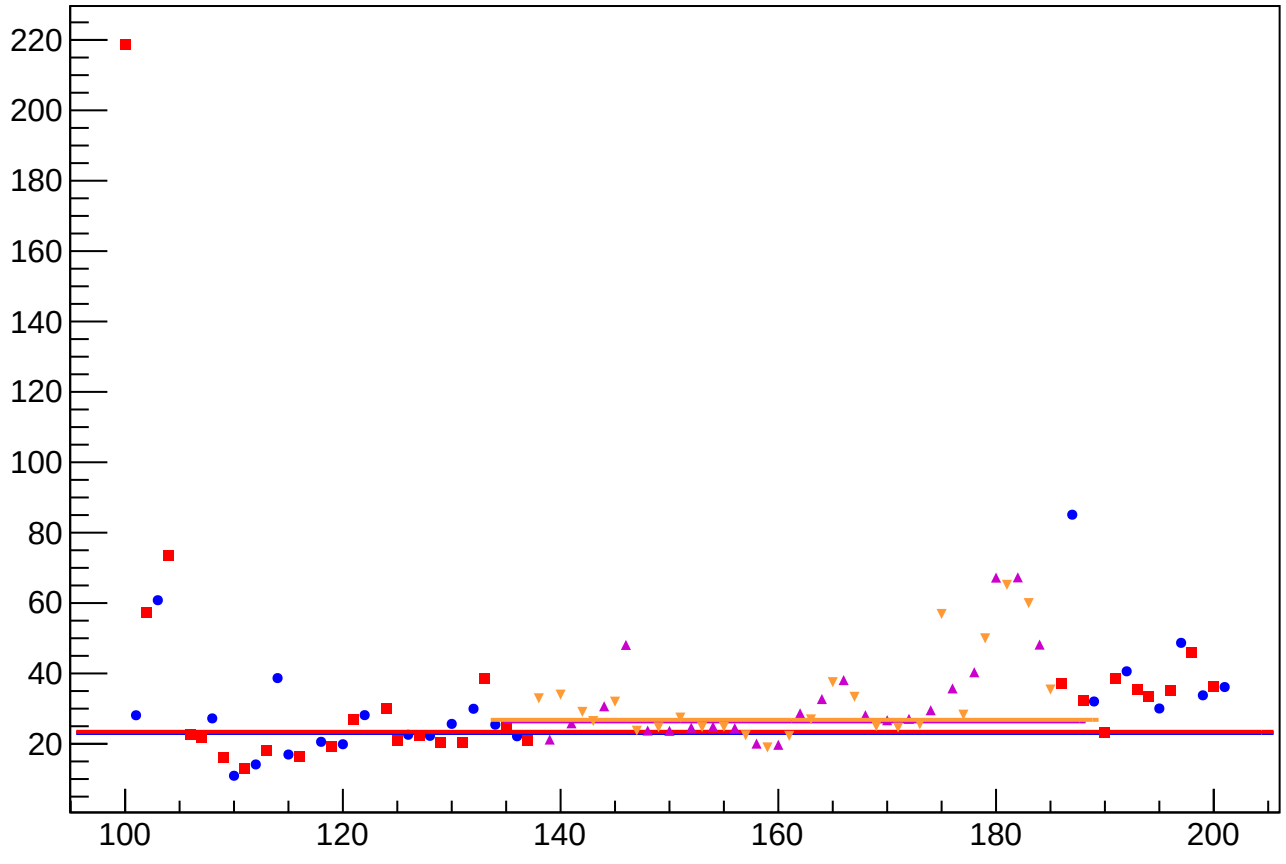
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.2/50

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 113.8/98



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: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

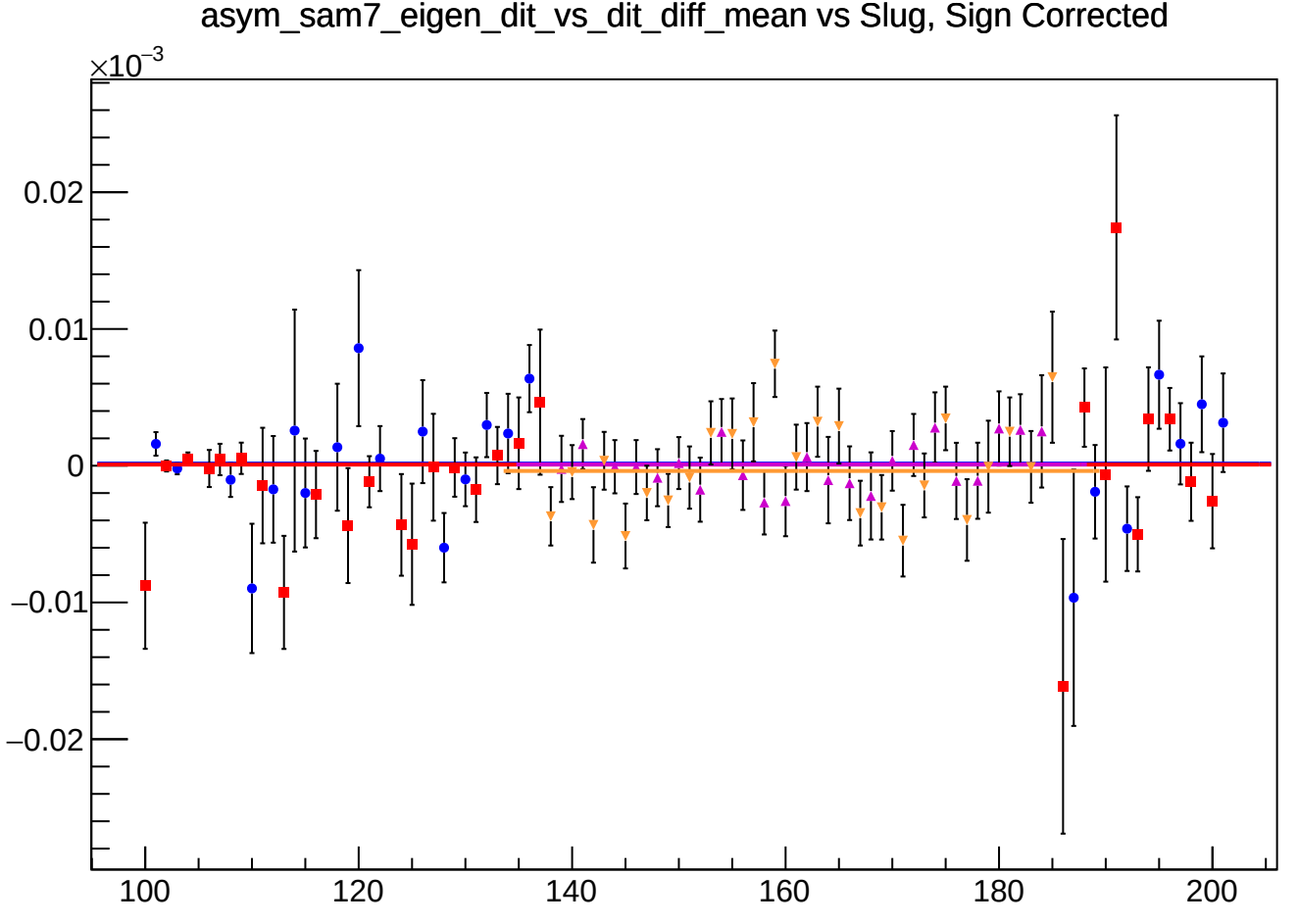
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.256+/-0.004 χ^2/NDF: 6932497.8/50

In: 24.903+/-0.003 χ^2/NDF:6229842.7/45

Out: 25.258+/-0.003 χ^2/NDF:6211689.3/52

All: 25.085+/-0.002 χ^2/NDF: 12446912.6/98



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: 33.2/27

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

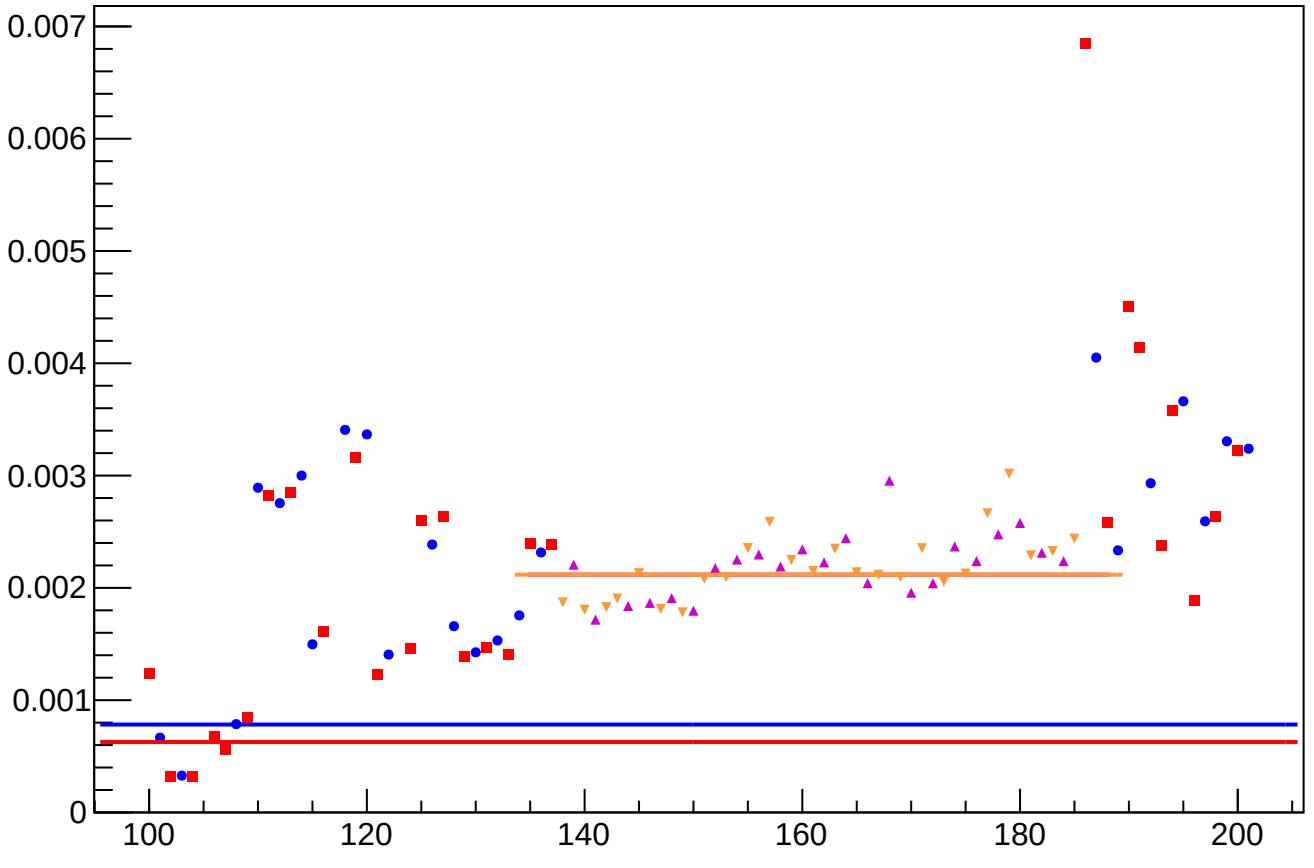
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 68.3/50

In: 0.000+/-0.000 χ^2/NDF:45.2/45

Out: -0.000+/-0.000 χ^2/NDF:77.0/52

All: 0.000+/-0.000 χ^2/NDF: 122.4/98



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: 14232284.5/27

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

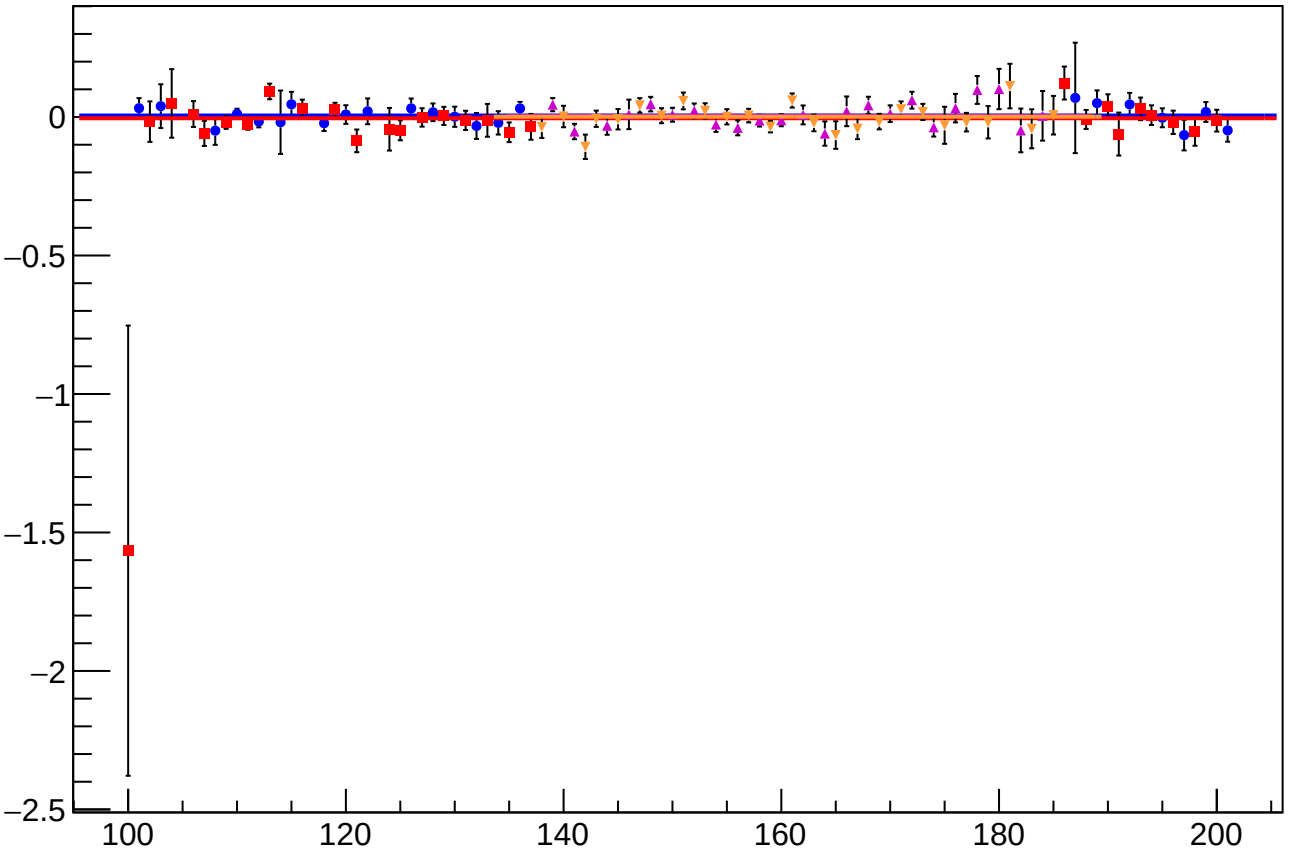
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 26574458.7/50

In: 0.001+/-0.000 χ^2/NDF:22689281.3/45

Out: 0.001+/-0.000 χ^2/NDF:29553832.0/52

All: 0.001+/-0.000 χ^2/NDF: 53099523.4/98



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: 37.9/27

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

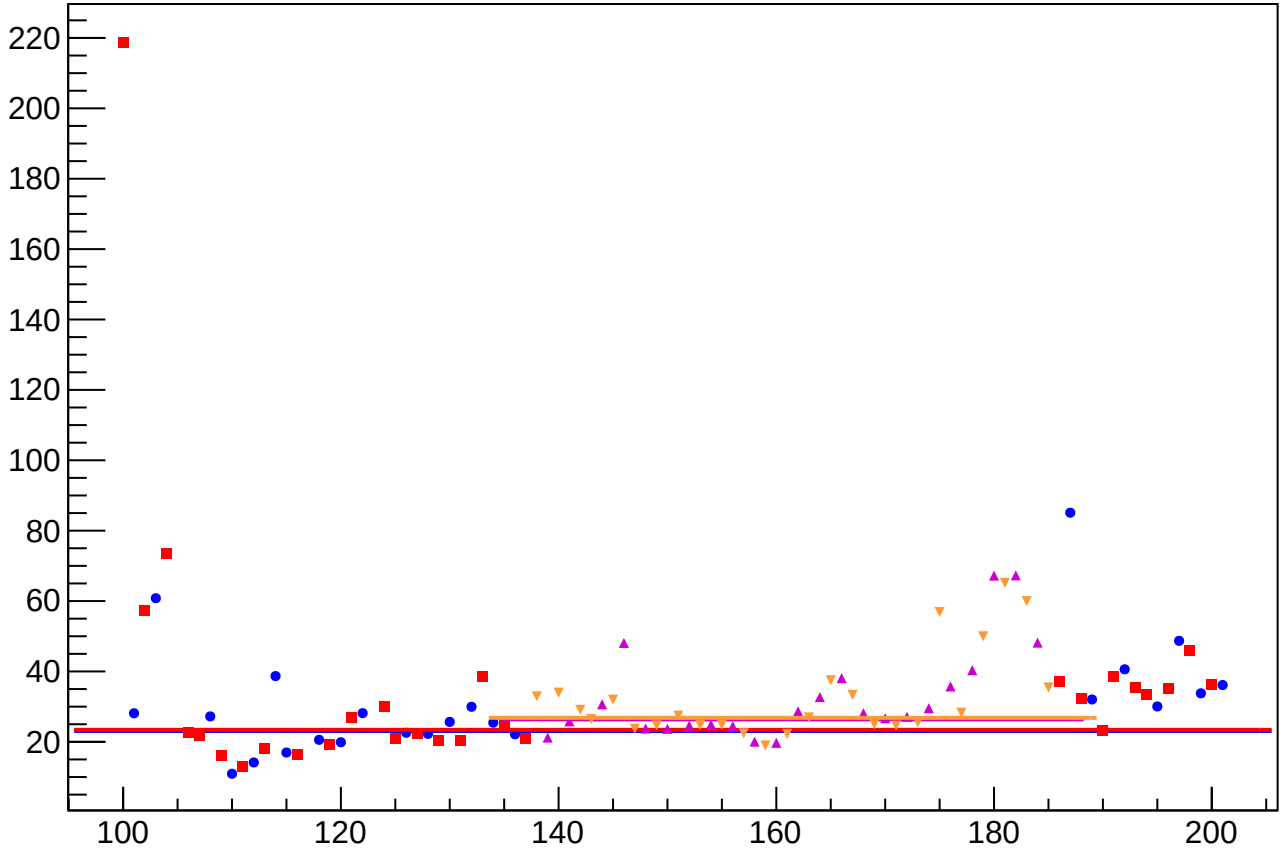
Right: 0.000+/-0.005 χ^2/NDF: 52.2/50

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 113.8/98

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: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

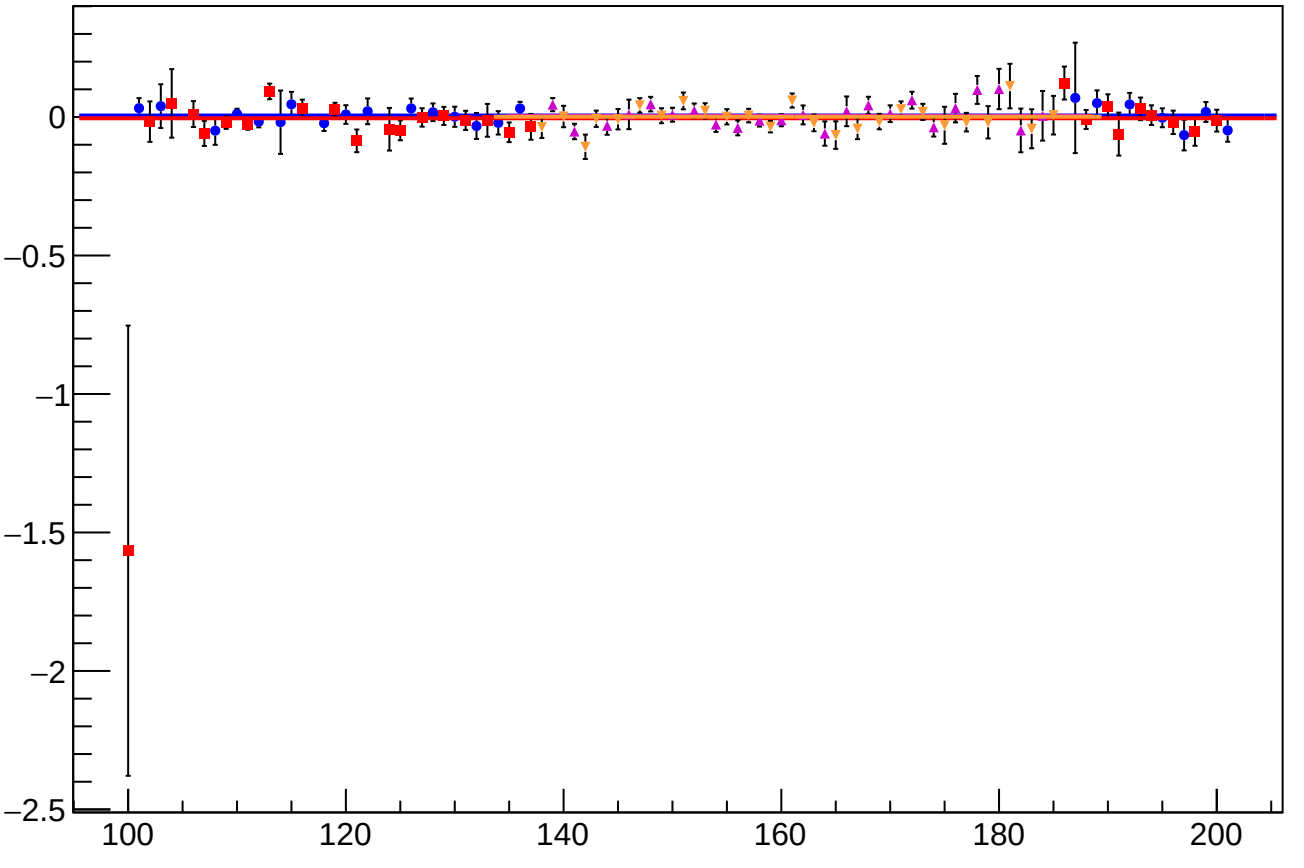
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.256+/-0.004 χ^2/NDF: 6932006.2/50

In: 24.903+/-0.003 χ^2/NDF:6229591.8/45

Out: 25.258+/-0.003 χ^2/NDF:6211502.7/52

All: 25.085+/-0.002 χ^2/NDF: 12446469.1/98



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: 37.9/27

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

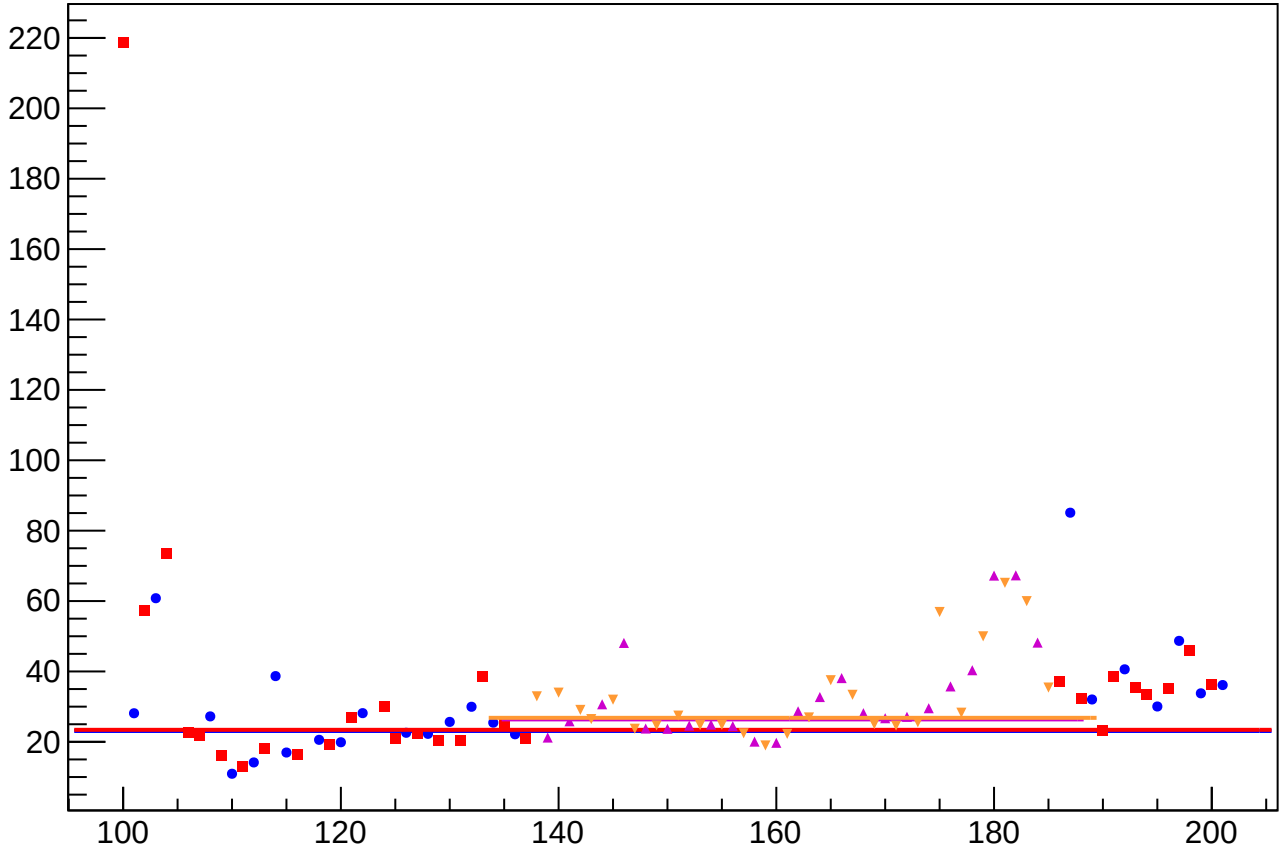
Right: 0.000+/-0.005 χ^2/NDF: 52.2/50

In: 0.005+/-0.005 χ^2/NDF:44.5/45

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 113.8/98

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: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

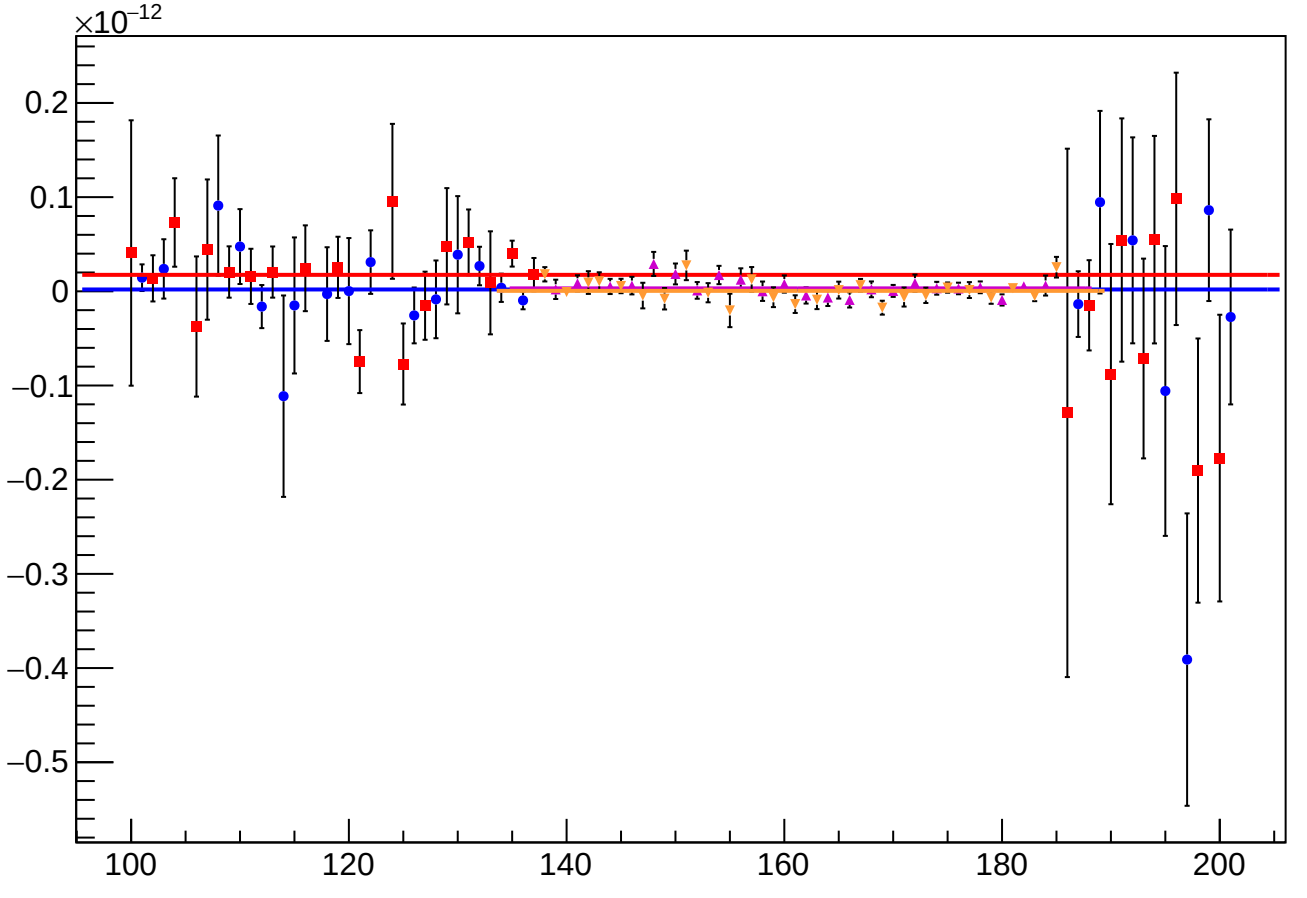
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.256+/-0.004 χ^2/NDF: 6932006.2/50

In: 24.903+/-0.003 χ^2/NDF:6229591.8/45

Out: 25.258+/-0.003 χ^2/NDF:6211502.7/52

All: 25.085+/-0.002 χ^2/NDF: 12446469.1/98



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: 26.7/27

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

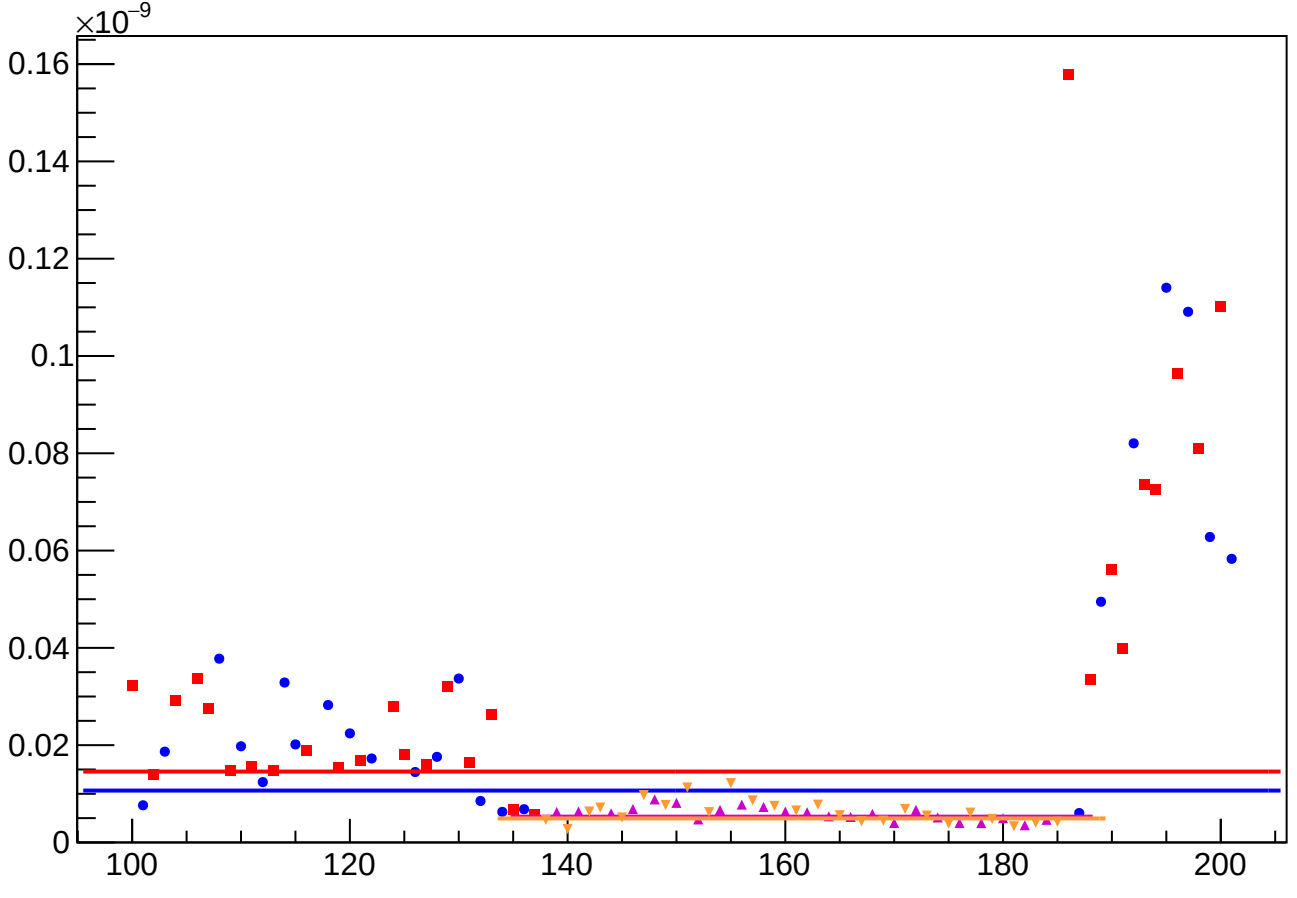
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/50

In: 0.000+/-0.000 χ^2/NDF:39.1/45

Out: 0.000+/-0.000 χ^2/NDF:65.1/52

All: 0.000+/-0.000 χ^2/NDF: 104.7/98



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: 6176950.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

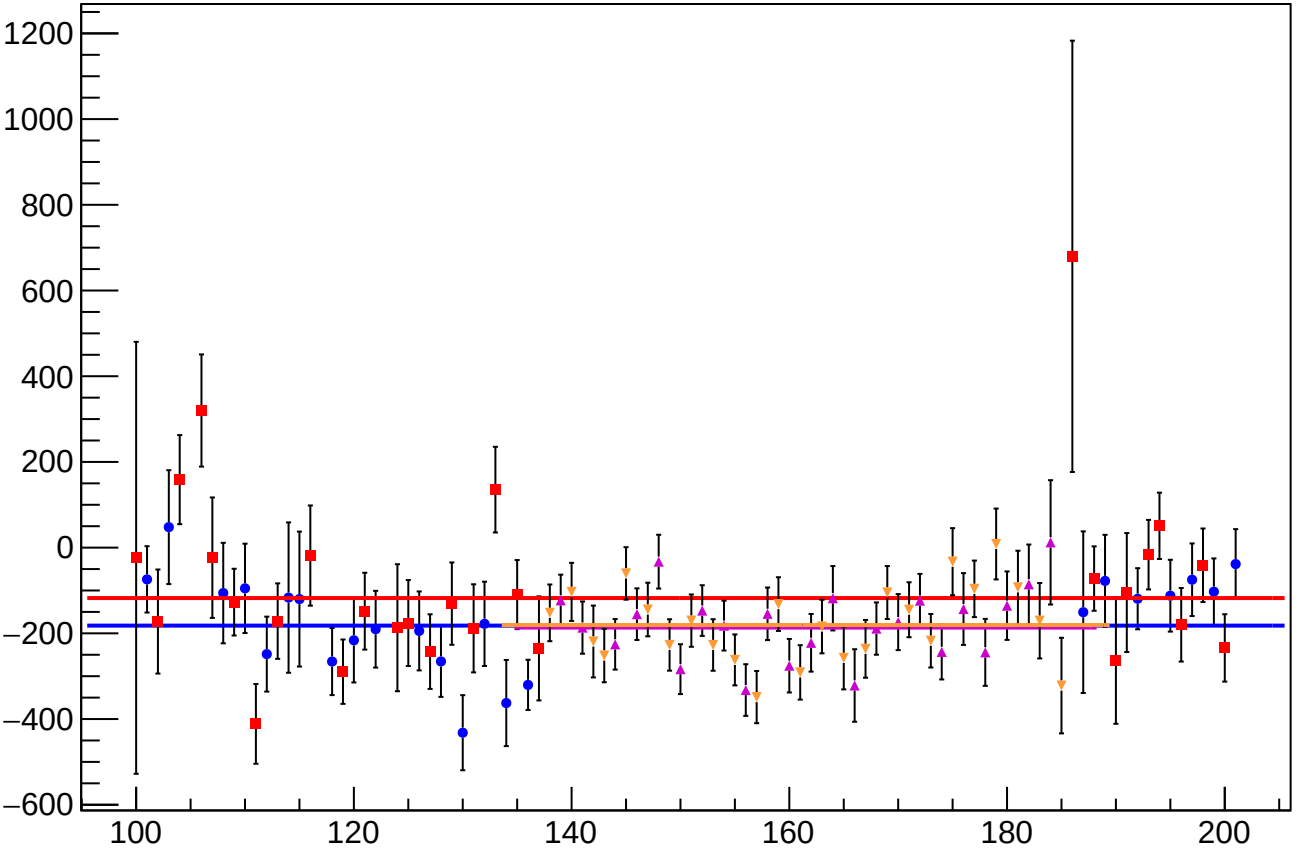
Right: 0.000+/-0.000 χ^2/NDF: 12608954.3/50

In: 0.000+/-0.000 χ^2/NDF:8982081.2/45

Out: 0.000+/-0.000 χ^2/NDF:12622342.0/52

All: 0.000+/-0.000 χ^2/NDF: 21648702.7/98

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: -117.658+/-18.601 χ^2/NDF: 59.5/27

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

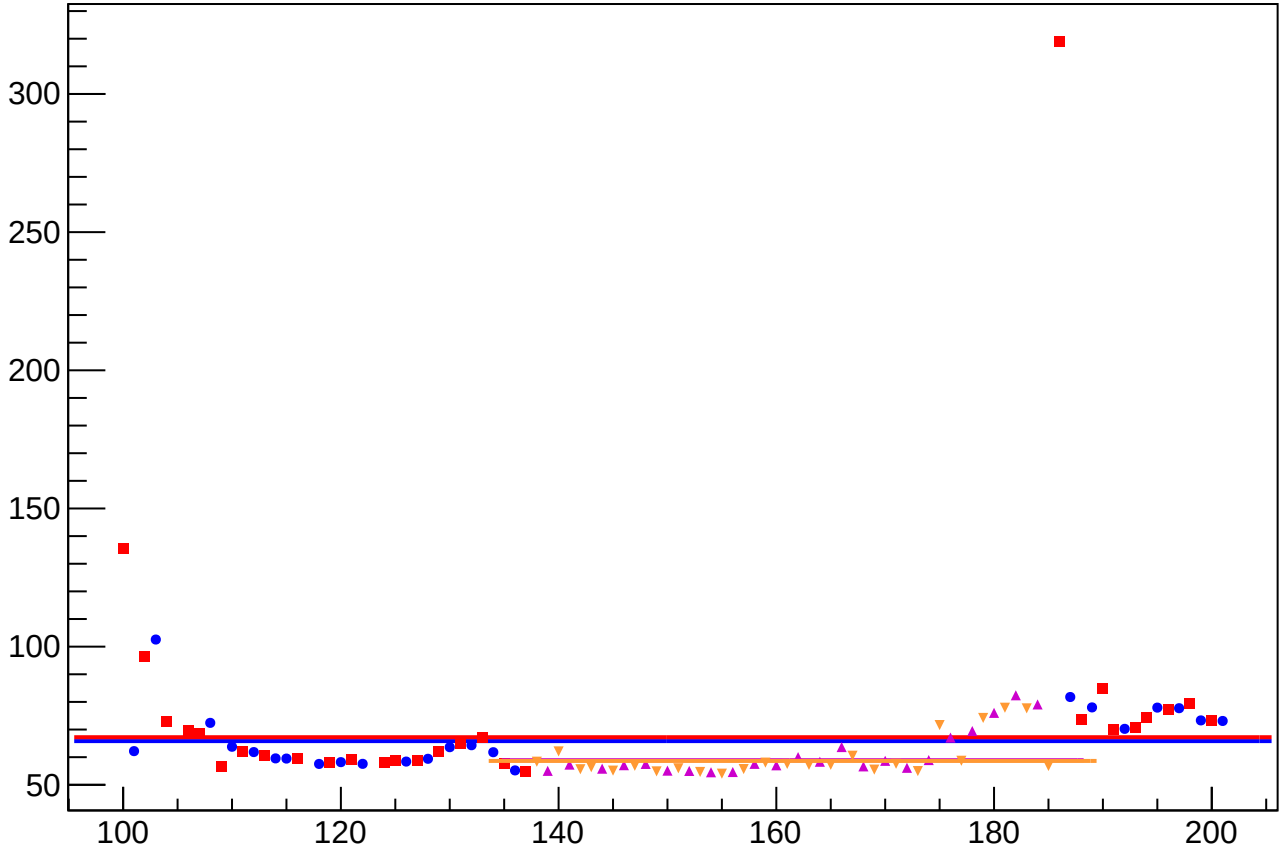
Right: -149.193+/-13.280 χ^2/NDF: 99.7/50

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -159.112+/-10.882 χ^2/NDF:105.6/52

All: -171.680+/-7.802 χ^2/NDF: 171.8/98

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: 67.223+/-0.013 χ^2/NDF: 1009604.8/27

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

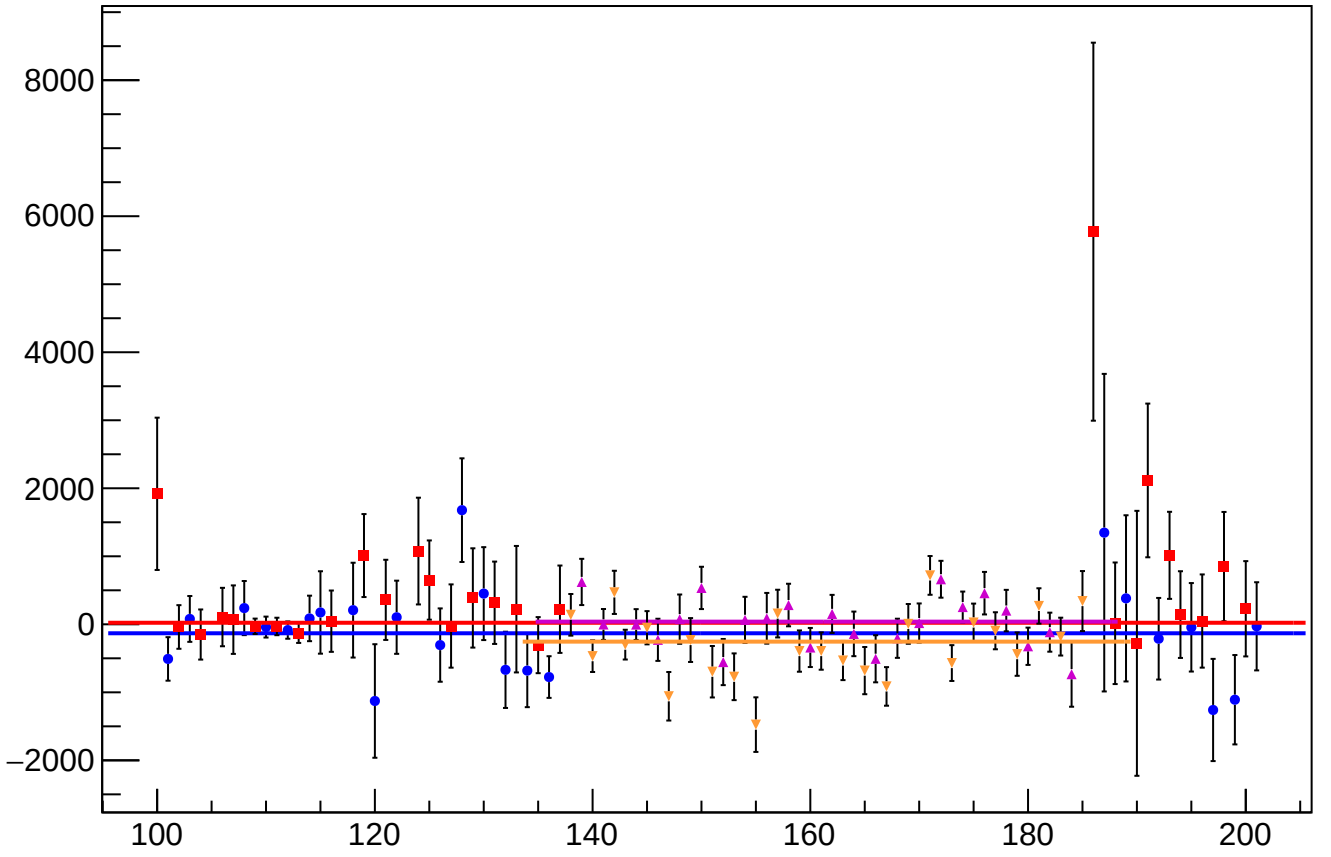
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.533+/-0.009 χ^2/NDF: 1499823.8/50

In: 61.311+/-0.008 χ^2/NDF:1044426.2/45

Out: 61.580+/-0.008 χ^2/NDF:1683302.0/52

All: 61.450+/-0.006 χ^2/NDF: 2728322.5/98



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: 22.751+/-62.293 χ^2/NDF: 23.1/27

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

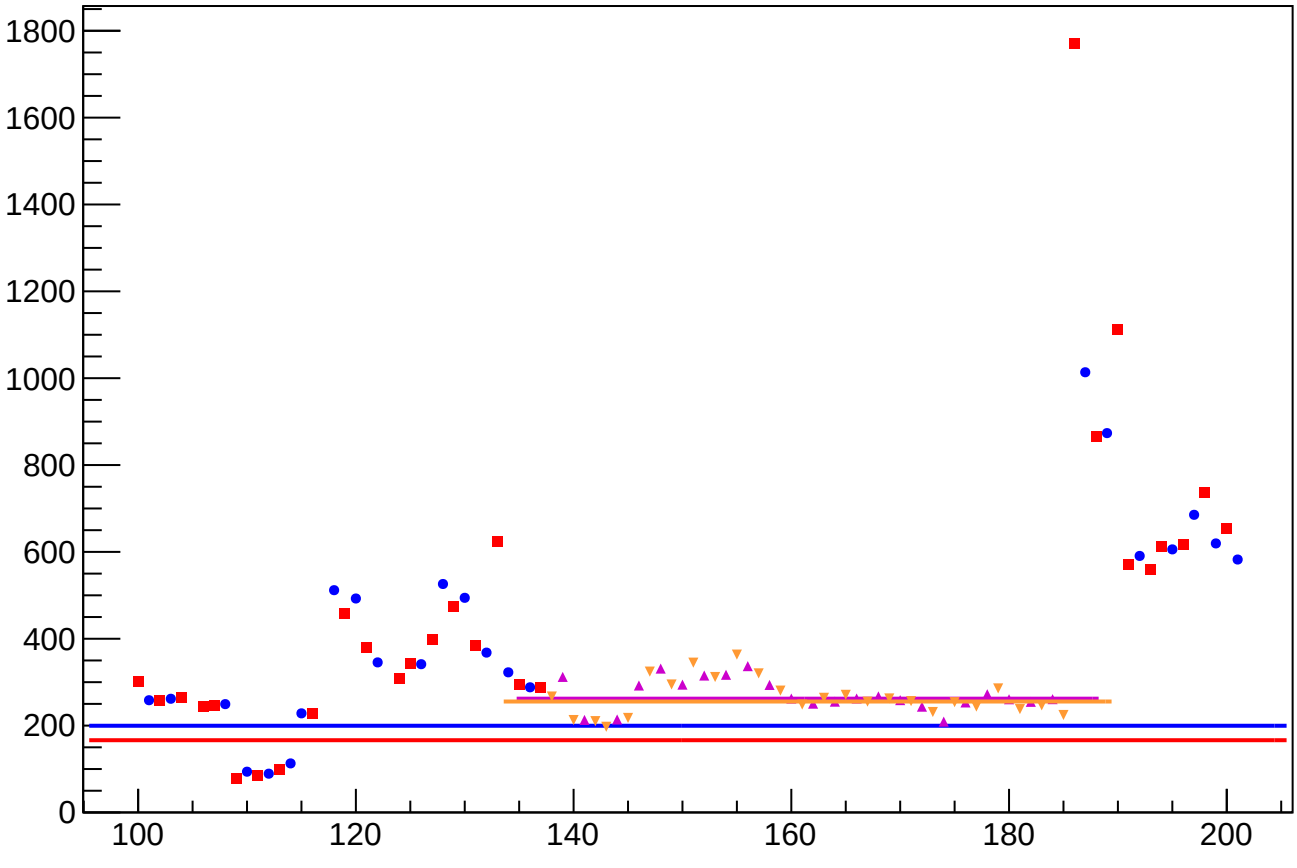
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -41.733+/-47.547 χ^2/NDF: 49.3/50

In: -31.633+/-47.364 χ^2/NDF:55.1/45

Out: -123.753+/-42.789 χ^2/NDF:91.3/52

All: -82.356+/-31.751 χ^2/NDF: 148.5/98



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: 166.358+/-0.044 χ^2/NDF: 12707887.3/27

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

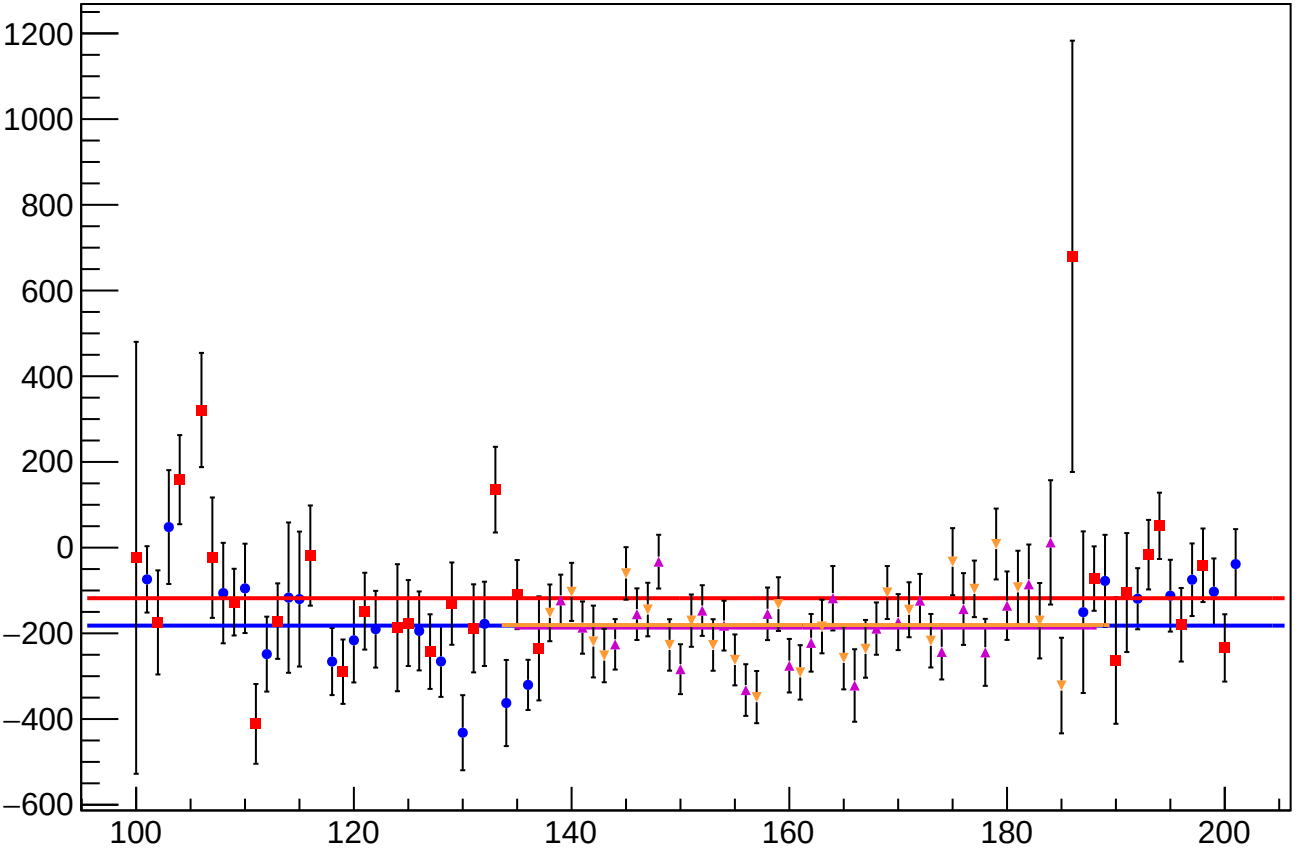
Right: 180.253+/-0.034 χ^2/NDF: 22659981.6/50

In: 236.179+/-0.033 χ^2/NDF:11225435.6/45

Out: 213.424+/-0.030 χ^2/NDF:15733448.9/52

All: 223.650+/-0.022 χ^2/NDF: 27213047.4/98

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: -117.998+/-18.608 χ^2/NDF: 59.1/27

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

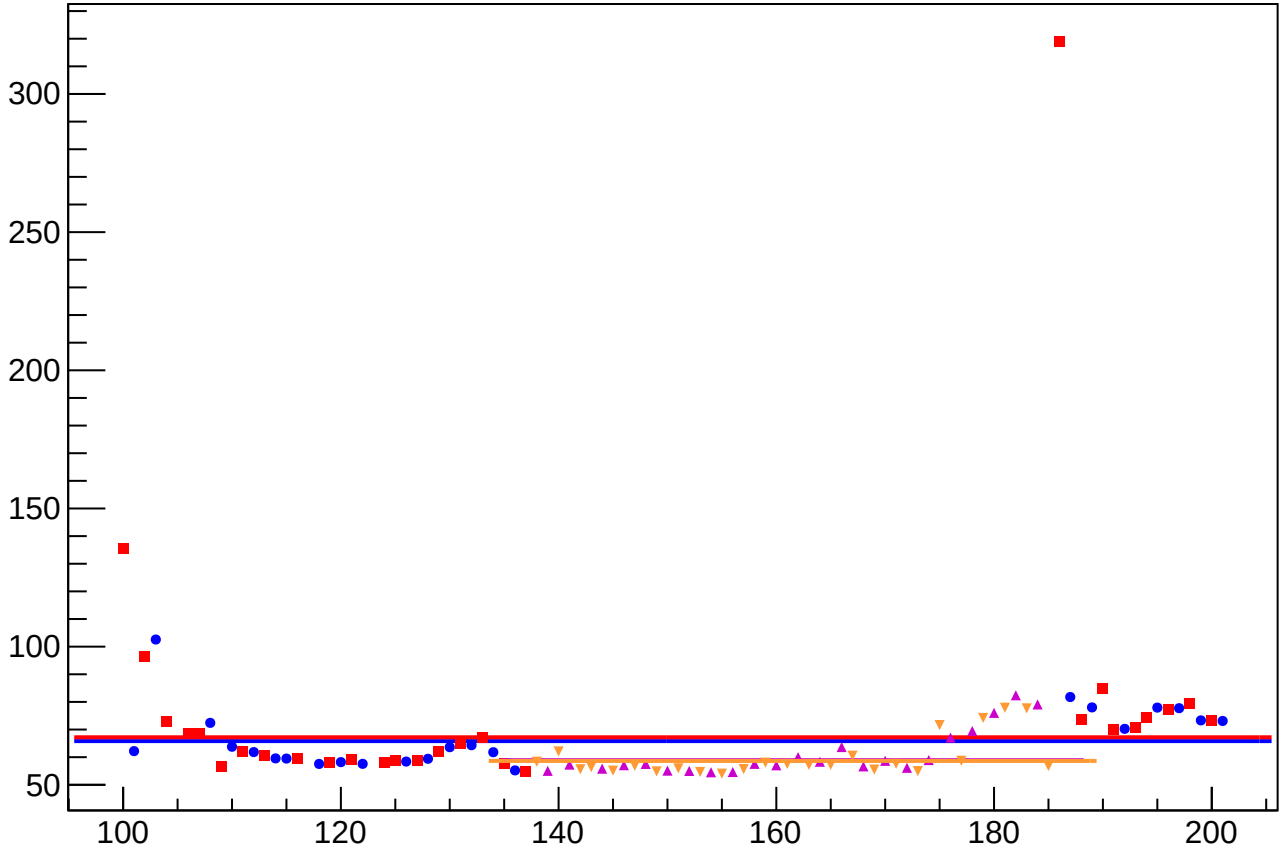
Right: -149.377+/-13.283 χ^2/NDF: 99.3/50

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -159.236+/-10.884 χ^2/NDF:105.2/52

All: -171.745+/-7.802 χ^2/NDF: 171.3/98

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: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

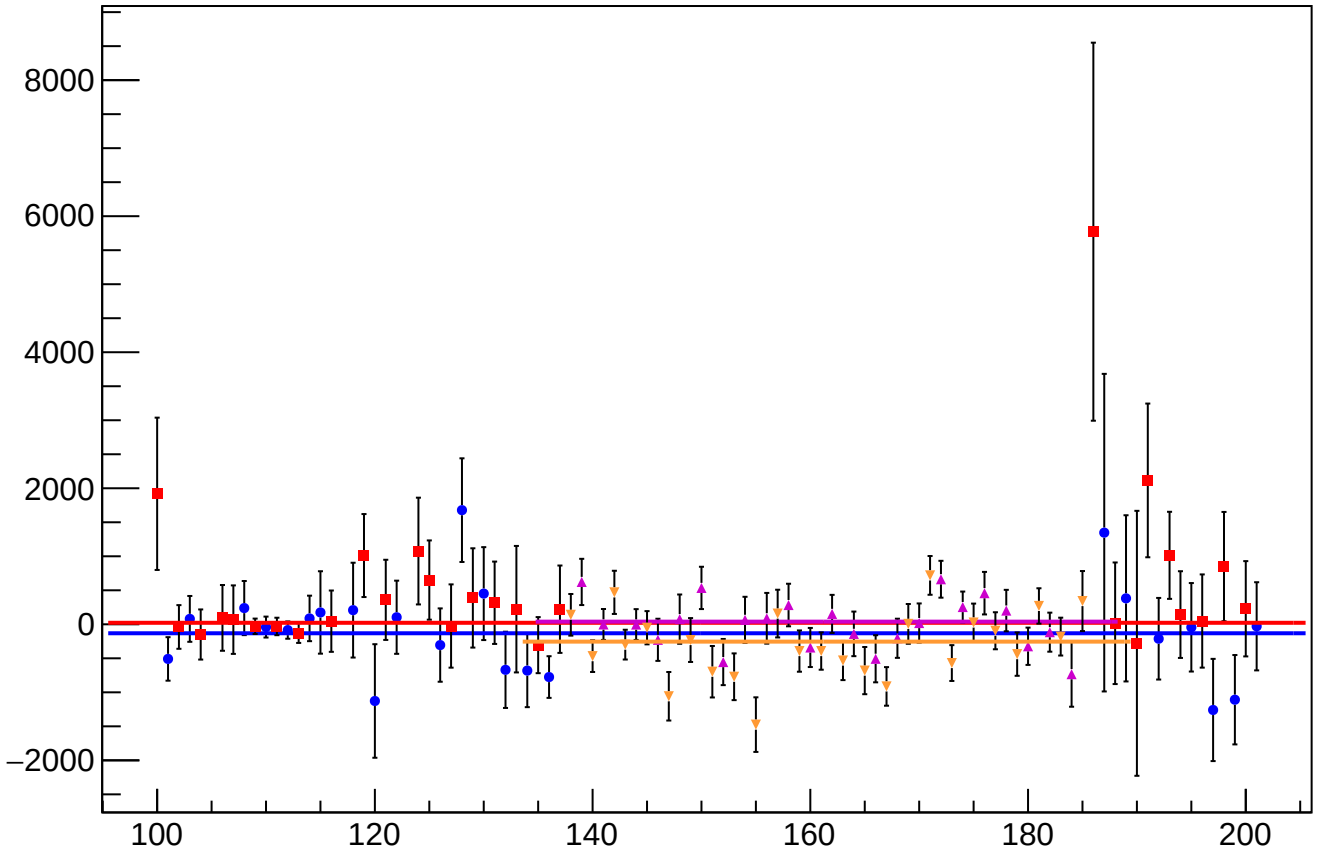
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.520+/-0.009 χ^2/NDF: 1499319.0/50

In: 61.311+/-0.008 χ^2/NDF:1044428.7/45

Out: 61.571+/-0.008 χ^2/NDF:1681277.8/52

All: 61.445+/-0.006 χ^2/NDF: 2726258.7/98



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: 22.190+/-62.434 χ^2/NDF: 23.1/27

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

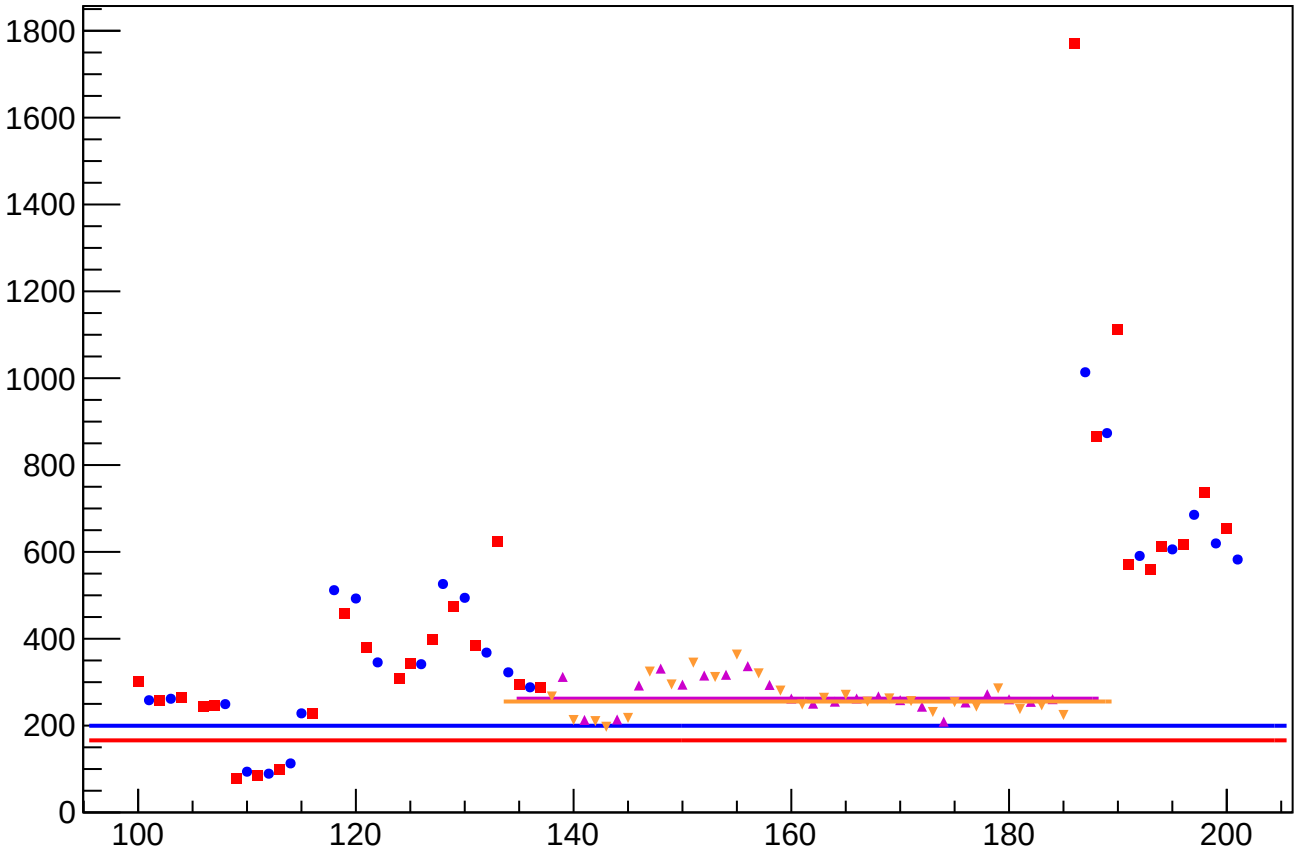
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -42.221+/-47.610 χ^2/NDF: 49.3/50

In: -31.626+/-47.364 χ^2/NDF:55.1/45

Out: -124.328+/-42.834 χ^2/NDF:91.2/52

All: -82.621+/-31.770 χ^2/NDF: 148.4/98



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: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

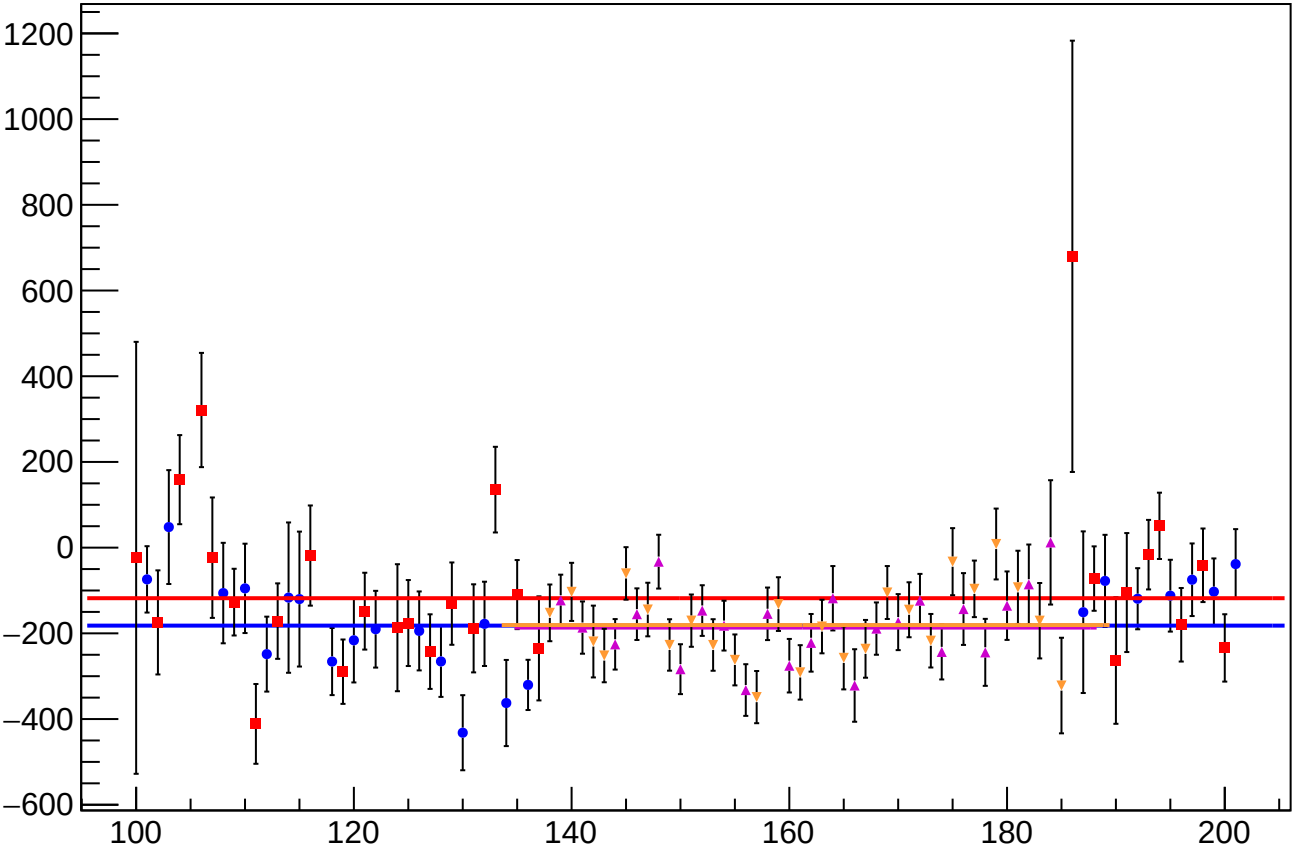
Right: 180.091+/-0.034 χ^2/NDF: 22651504.4/50

In: 236.179+/-0.033 χ^2/NDF:11225460.2/45

Out: 213.363+/-0.030 χ^2/NDF:15731911.1/52

All: 223.628+/-0.022 χ^2/NDF: 27212667.9/98

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: -117.998+/-18.608 χ^2/NDF: 59.1/27

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

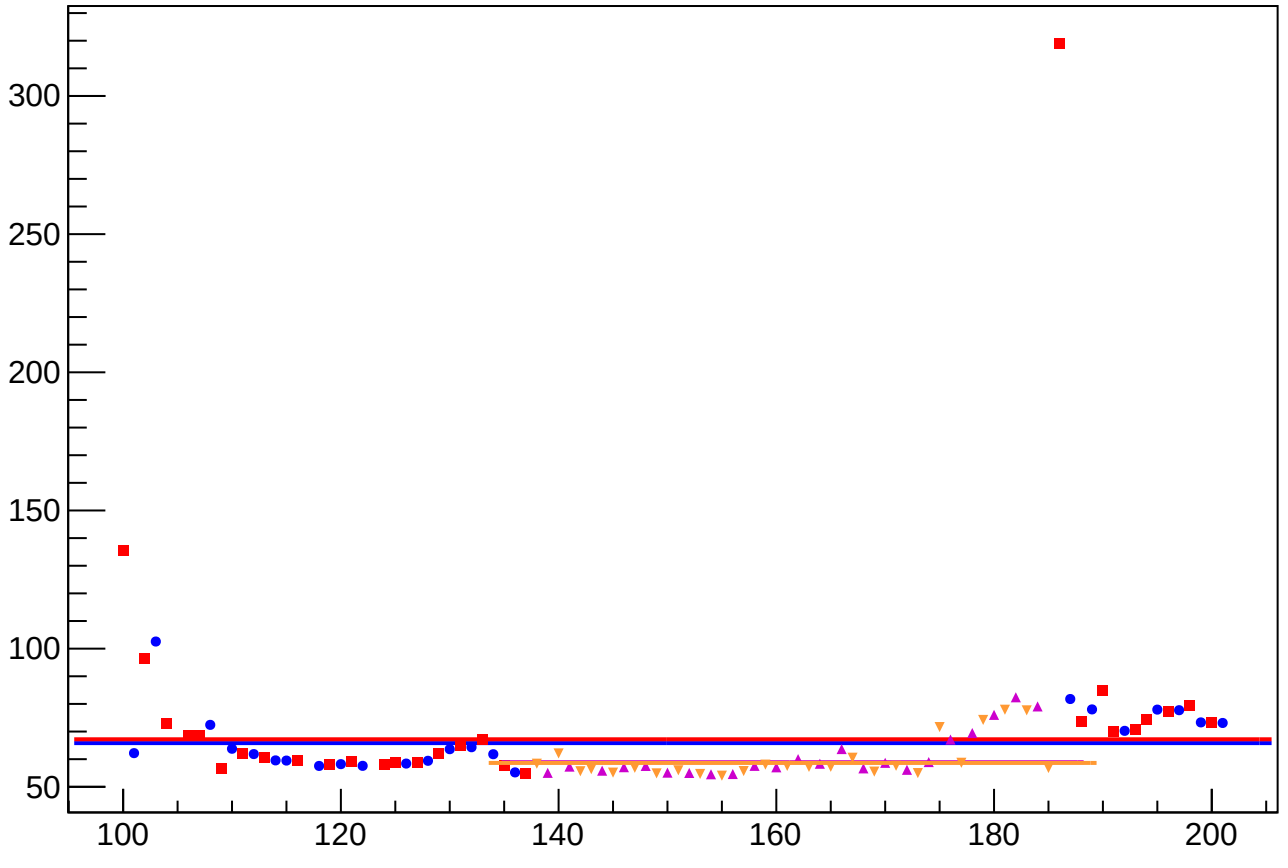
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -149.377+/-13.283 χ^2/NDF: 99.3/50

In: -184.970+/-11.190 χ^2/NDF:63.4/45

Out: -159.236+/-10.884 χ^2/NDF:105.2/52

All: -171.745+/-7.802 χ^2/NDF: 171.3/98



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: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

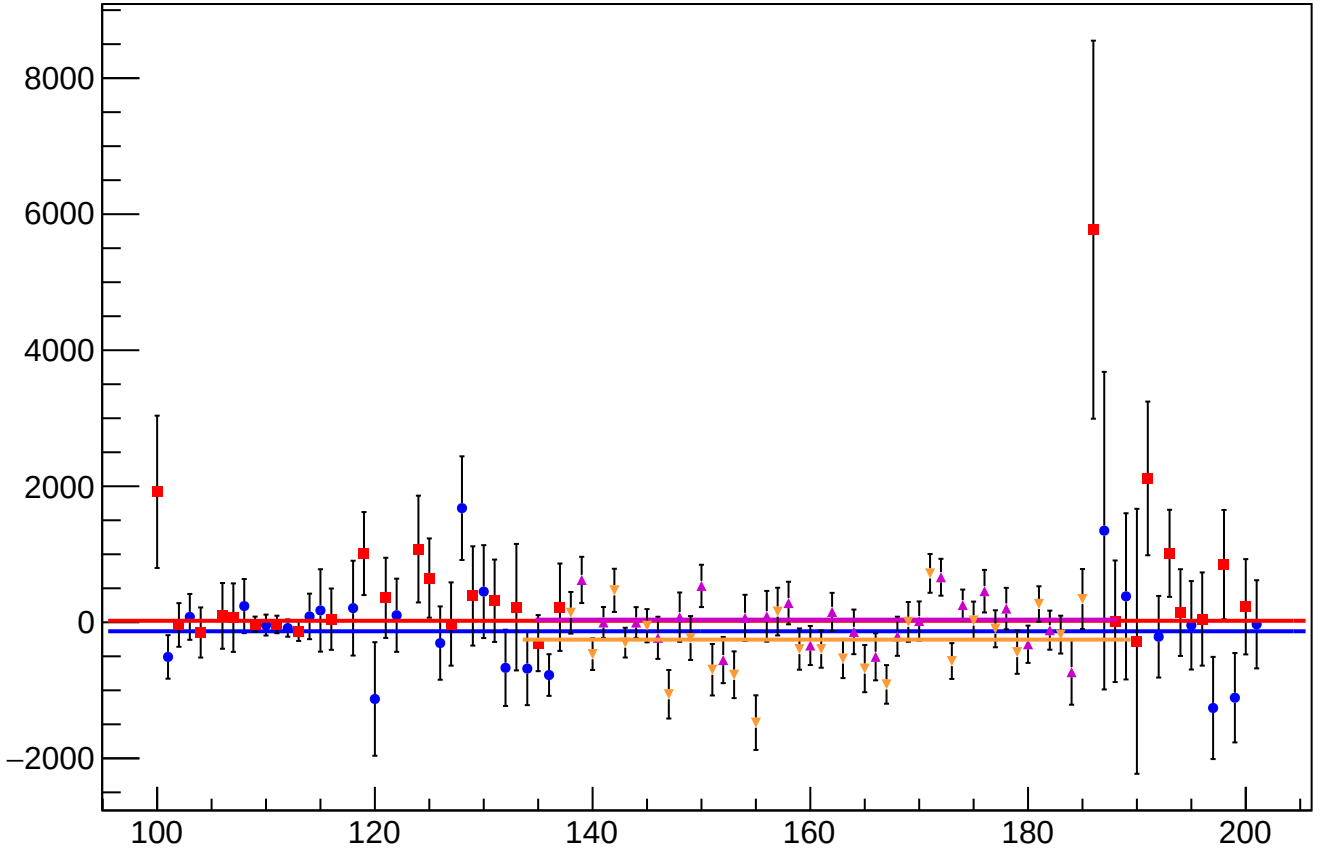
Right: 66.520+/-0.009 χ^2/NDF: 1499319.0/50

In: 61.311+/-0.008 χ^2/NDF:1044428.7/45

Out: 61.571+/-0.008 χ^2/NDF:1681277.8/52

All: 61.445+/-0.006 χ^2/NDF: 2726258.7/98

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 22.190+/-62.434 χ^2/NDF: 23.1/27

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

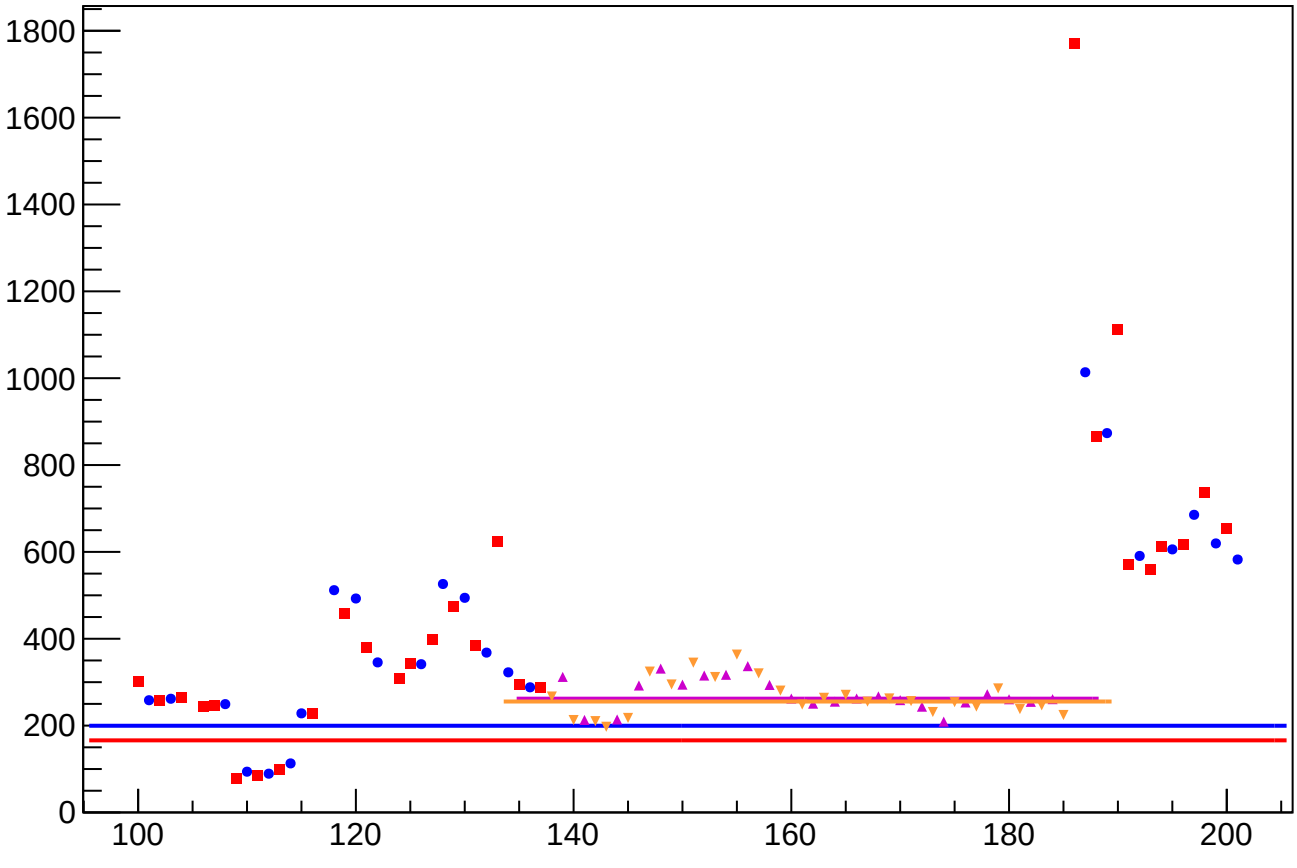
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -42.221+/-47.610 χ^2/NDF: 49.3/50

In: -31.626+/-47.364 χ^2/NDF:55.1/45

Out: -124.328+/-42.834 χ^2/NDF:91.2/52

All: -82.621+/-31.770 χ^2/NDF: 148.4/98



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: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

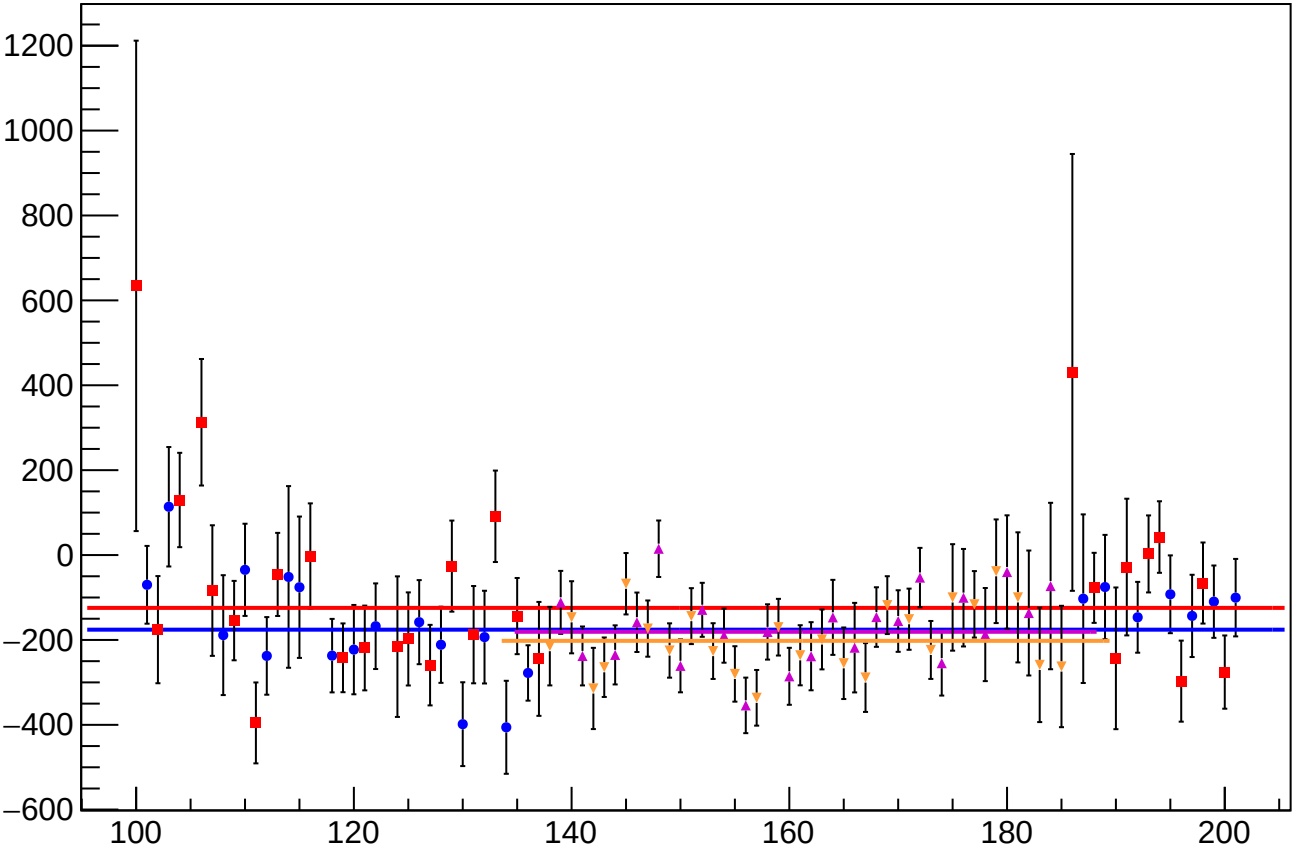
Right: 180.091+/-0.034 χ^2/NDF: 22651504.4/50

In: 236.179+/-0.033 χ^2/NDF:11225460.2/45

Out: 213.363+/-0.030 χ^2/NDF:15731911.1/52

All: 223.628+/-0.022 χ^2/NDF: 27212667.9/98

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: -124.460+/-20.494 χ^2/NDF: 52.3/27

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

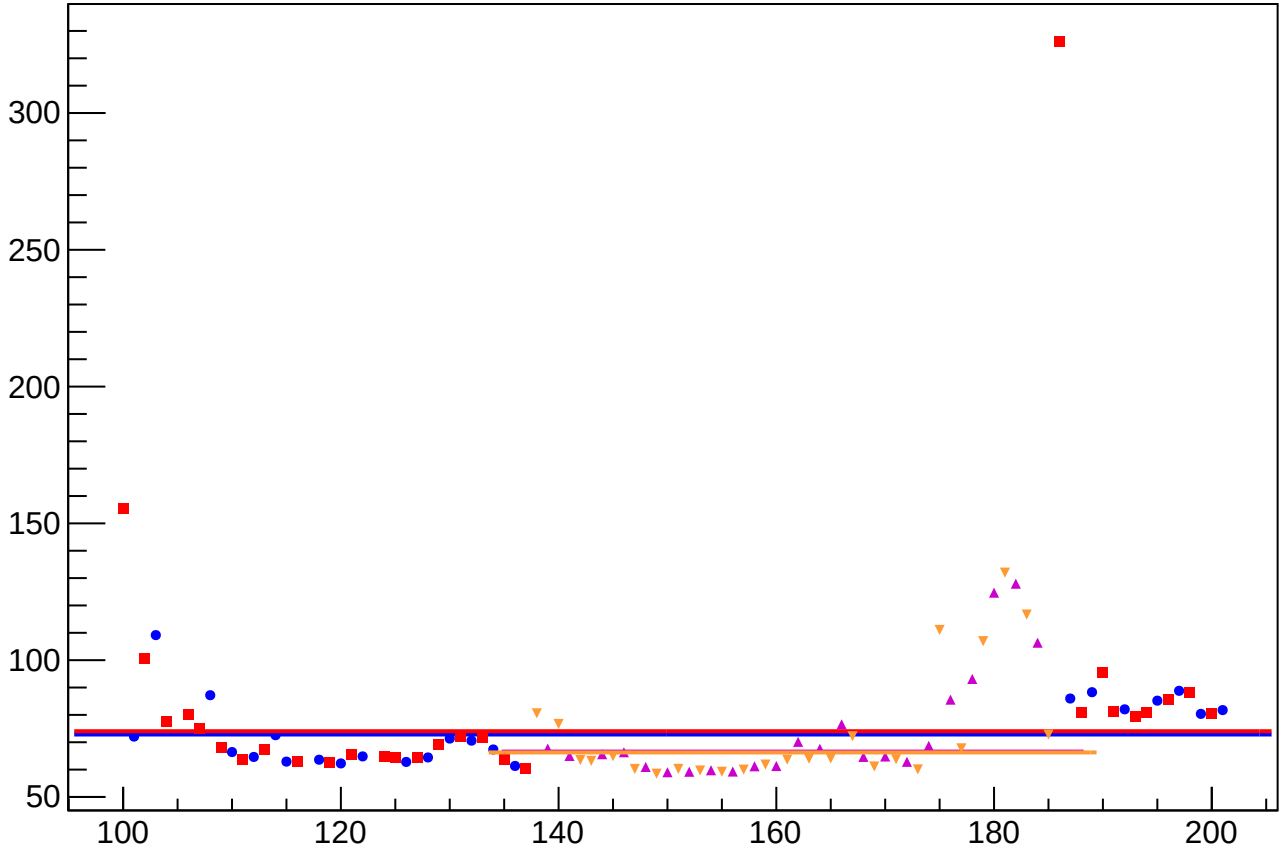
Right: -149.414+/-14.689 χ^2/NDF: 79.8/50

In: -178.950+/-12.751 χ^2/NDF:54.6/45

Out: -173.754+/-12.382 χ^2/NDF:82.9/52

All: -176.276+/-8.883 χ^2/NDF: 137.6/98

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: 74.031+/-0.014 χ^2/NDF: 974349.1/27

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

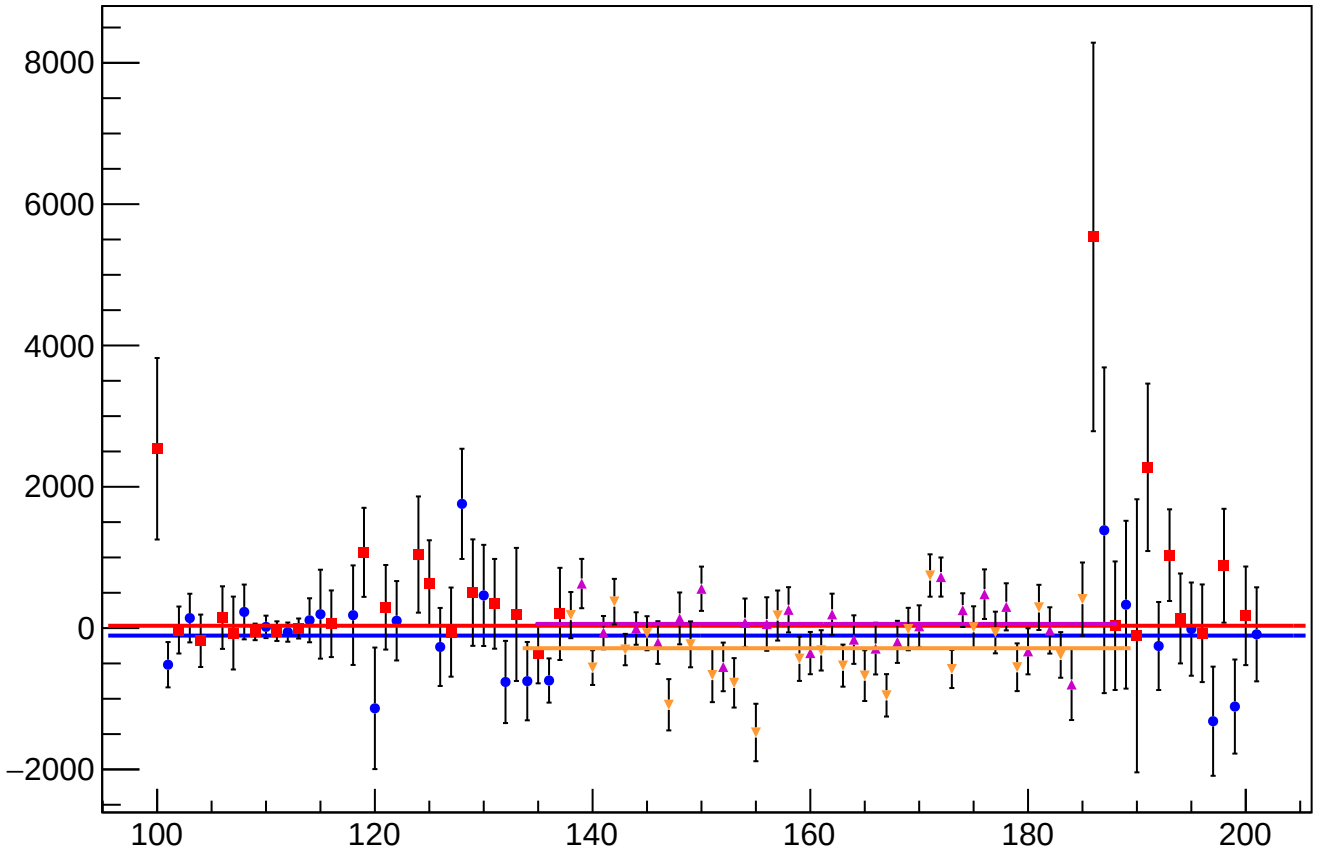
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.448+/-0.010 χ^2/NDF: 1514094.5/50

In: 68.874+/-0.009 χ^2/NDF:1806127.9/45

Out: 69.108+/-0.009 χ^2/NDF:2549926.9/52

All: 68.995+/-0.006 χ^2/NDF: 4356401.4/98



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: 33.395+/-64.143 χ^2/NDF: 23.4/27

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

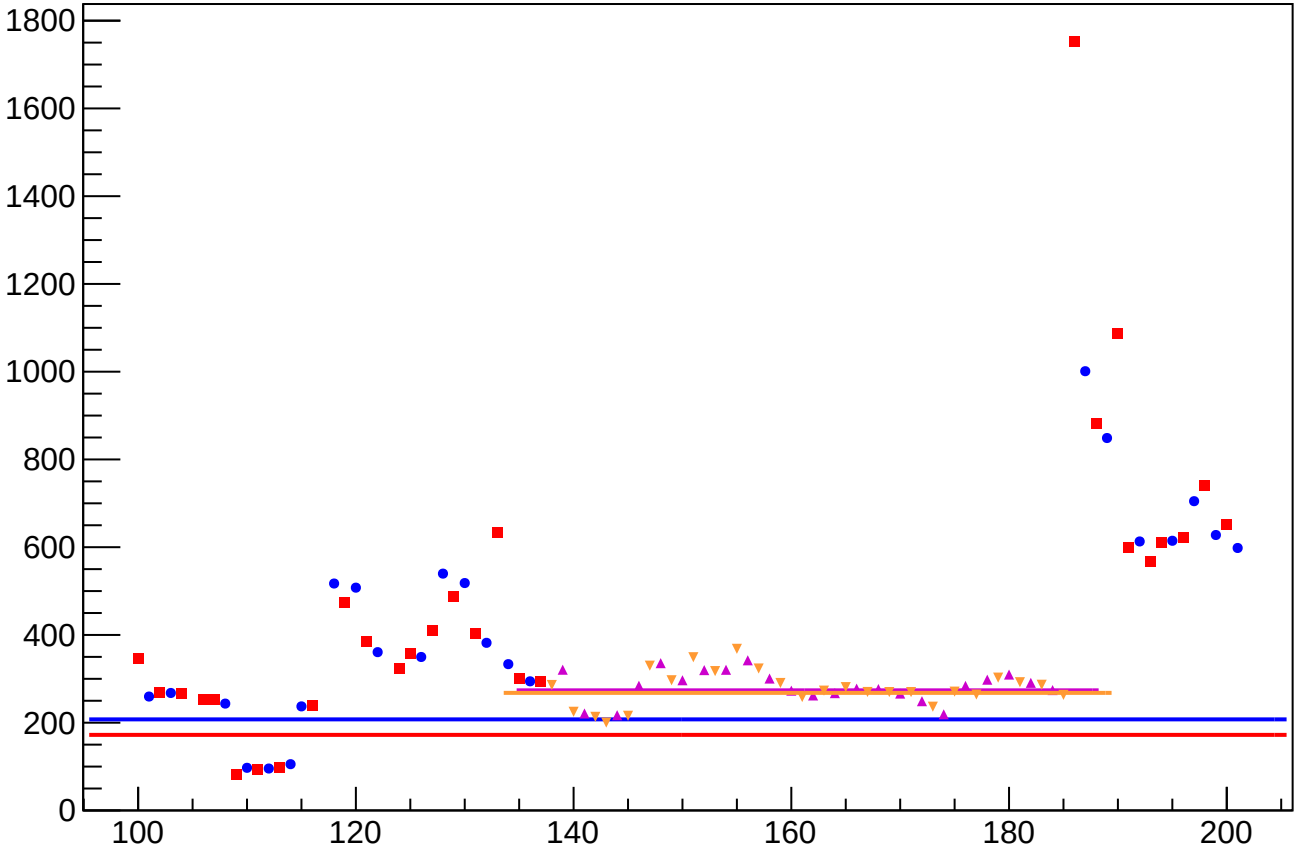
Right: -24.651+/-48.996 χ^2/NDF: 50.0/50

In: -10.233+/-49.214 χ^2/NDF:54.2/45

Out: -131.626+/-44.477 χ^2/NDF:90.8/52

All: -77.051+/-32.998 χ^2/NDF: 148.3/98

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 207.584+/-0.054 χ^2/NDF: 9514088.8/22

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 172.253+/-0.045 χ^2/NDF: 12557566.9/27

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

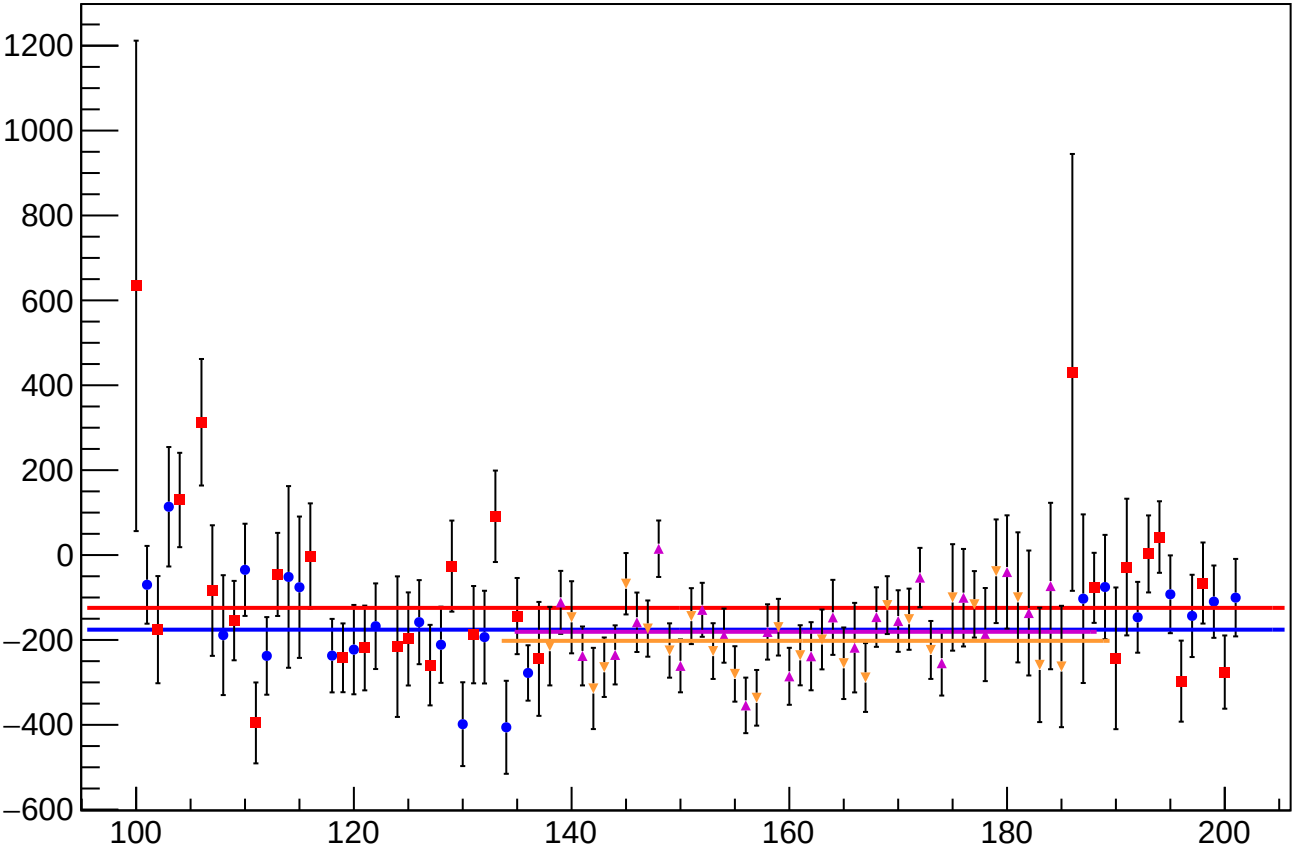
Right: 186.970+/-0.035 χ^2/NDF: 22324409.9/50

In: 245.943+/-0.035 χ^2/NDF:11045179.4/45

Out: 221.956+/-0.031 χ^2/NDF:15733309.6/52

All: 232.740+/-0.023 χ^2/NDF: 27040012.0/98

eigen_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: -124.461+/-20.494 χ^2/NDF: 52.3/27

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

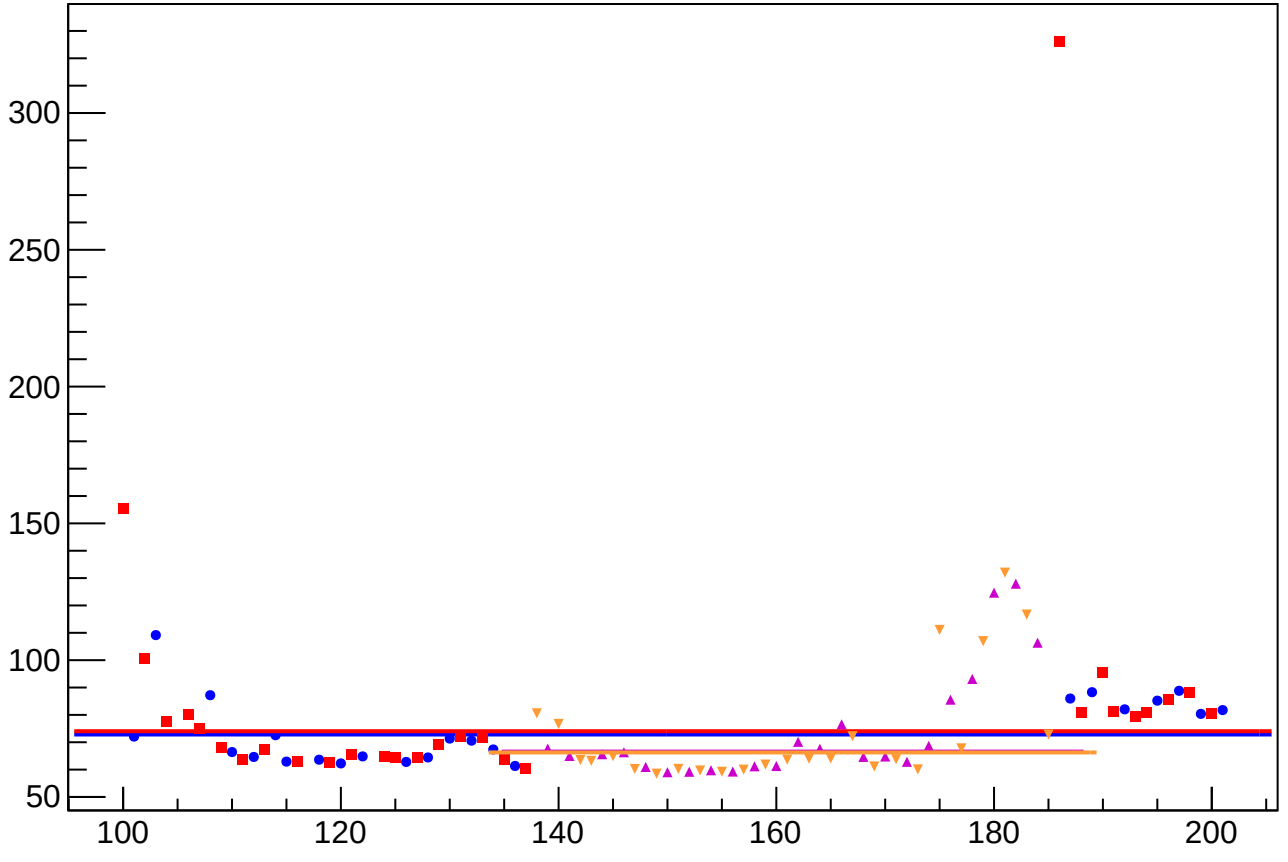
Right: -149.414+/-14.689 χ^2/NDF: 79.8/50

In: -178.951+/-12.751 χ^2/NDF:54.6/45

Out: -173.754+/-12.382 χ^2/NDF:82.9/52

All: -176.276+/-8.883 χ^2/NDF: 137.6/98

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: 74.030+/-0.014 χ^2/NDF: 974354.1/27

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

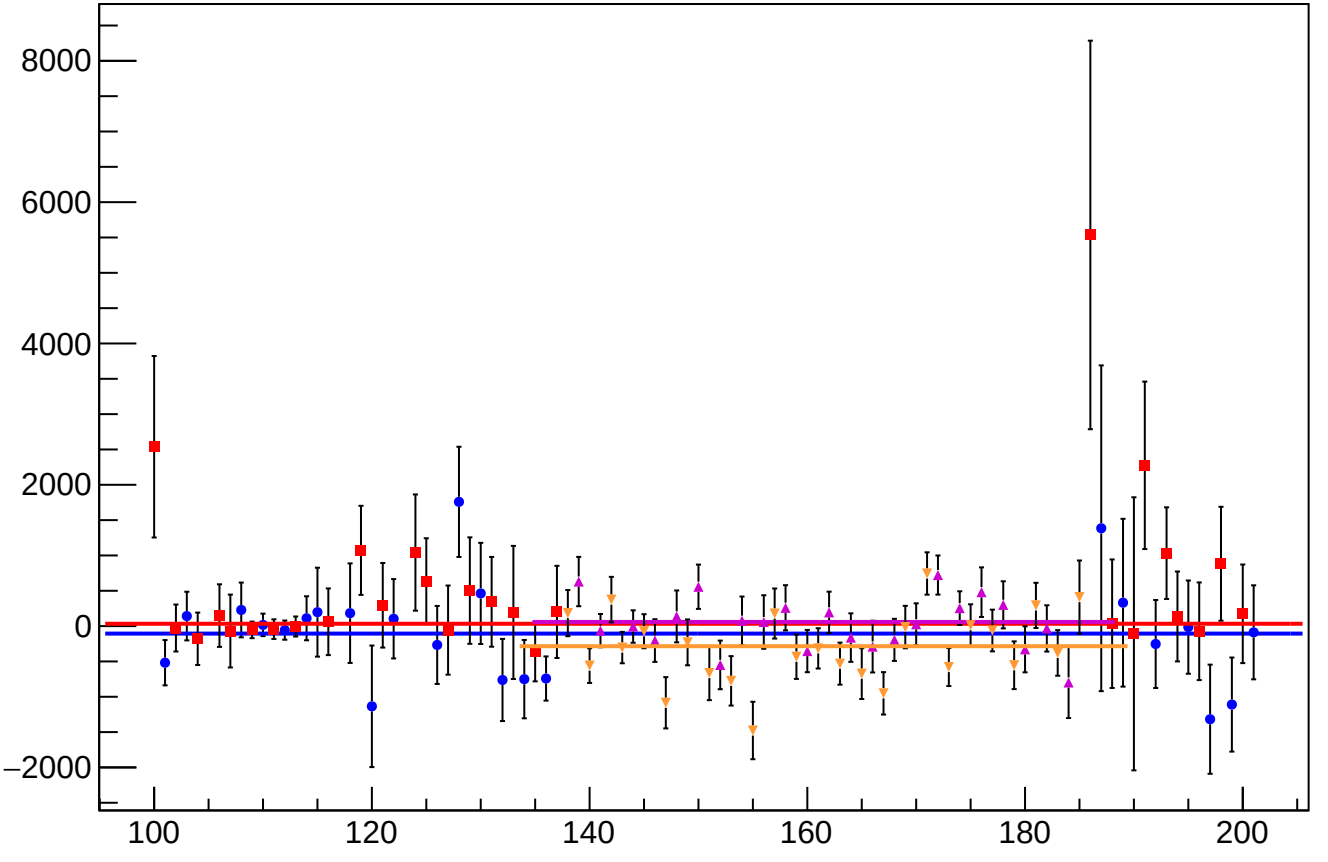
Right: 73.448+/-0.010 χ^2/NDF: 1514102.7/50

In: 68.874+/-0.009 χ^2/NDF:1806117.9/45

Out: 69.108+/-0.009 χ^2/NDF:2549924.4/52

All: 68.995+/-0.006 χ^2/NDF: 4356388.9/98

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: 33.394+/-64.143 χ^2/NDF: 23.4/27

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

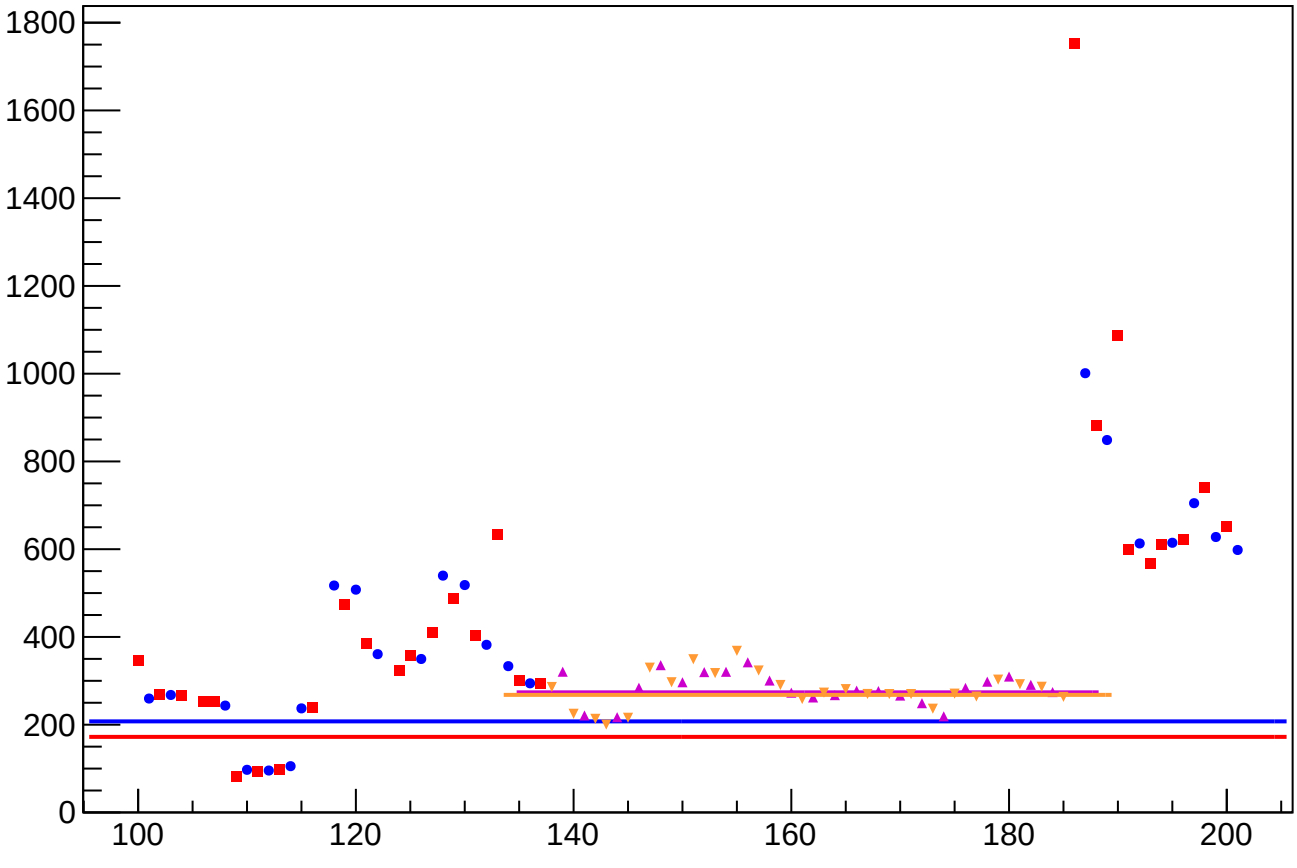
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -24.651+/-48.995 χ^2/NDF: 50.0/50

In: -10.233+/-49.214 χ^2/NDF:54.2/45

Out: -131.626+/-44.477 χ^2/NDF:90.8/52

All: -77.051+/-32.998 χ^2/NDF: 148.3/98



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: 172.253+/-0.045 χ^2/NDF: 12557547.9/27

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

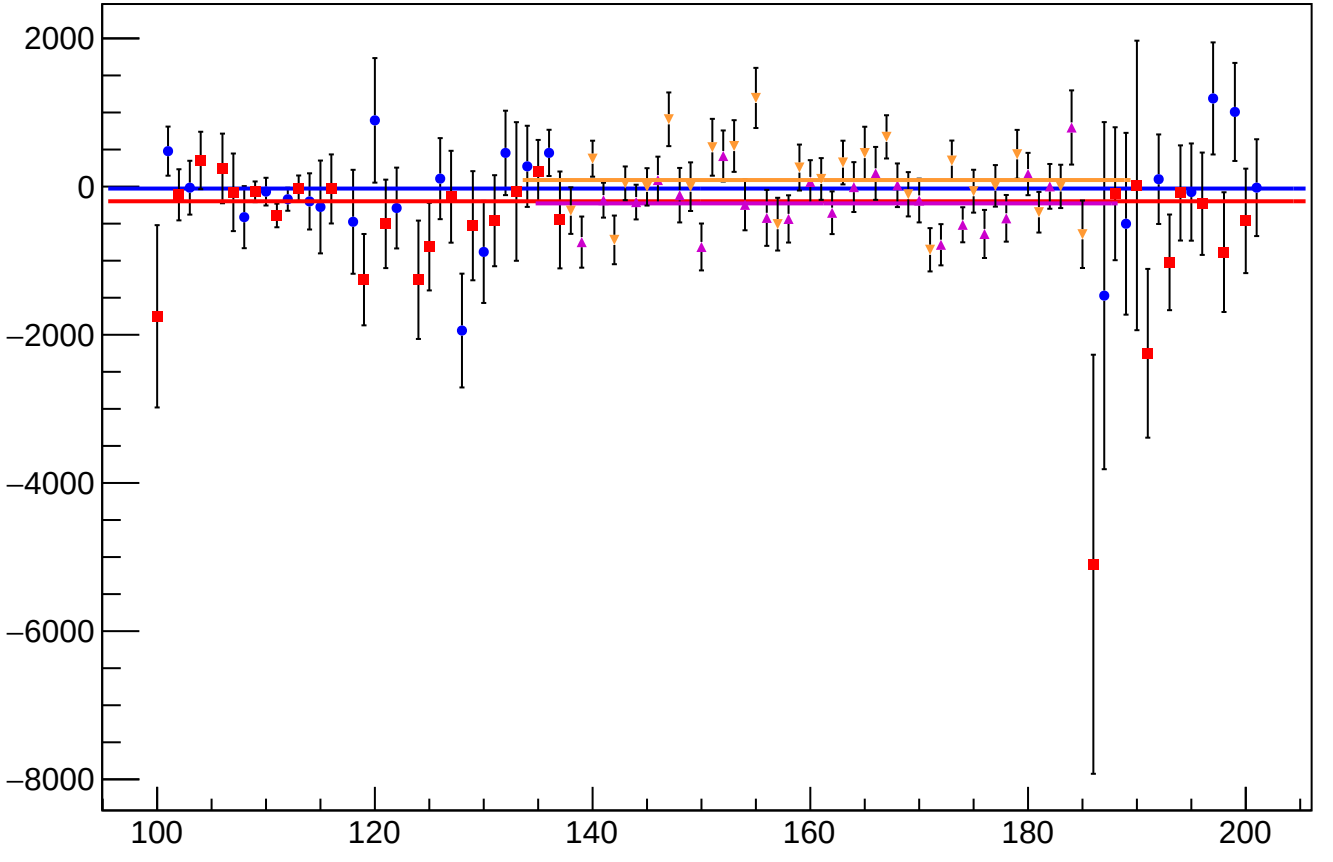
Right: 186.969+/-0.035 χ^2/NDF: 22324422.1/50

In: 245.942+/-0.035 χ^2/NDF:11045258.8/45

Out: 221.955+/-0.031 χ^2/NDF:15733287.5/52

All: 232.739+/-0.023 χ^2/NDF: 27040056.8/98

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: -198.213+/-72.063 χ^2/NDF: 24.5/27

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

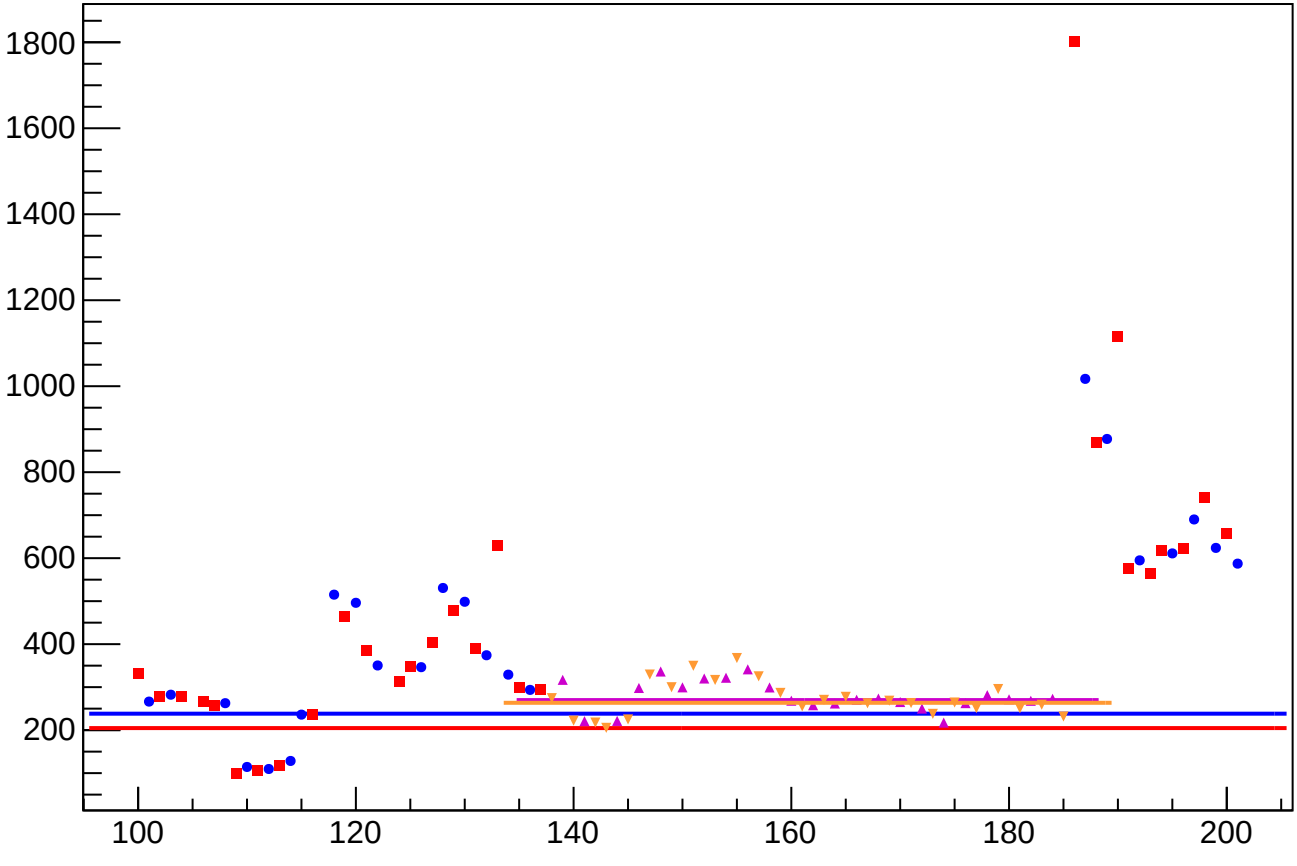
Right: -124.521+/-54.449 χ^2/NDF: 50.0/50

In: -152.757+/-50.549 χ^2/NDF:55.6/45

Out: -30.479+/-46.410 χ^2/NDF:85.9/52

All: -86.408+/-34.187 χ^2/NDF: 144.7/98

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: 204.774+/-0.051 χ^2/NDF: 10867594.8/27

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

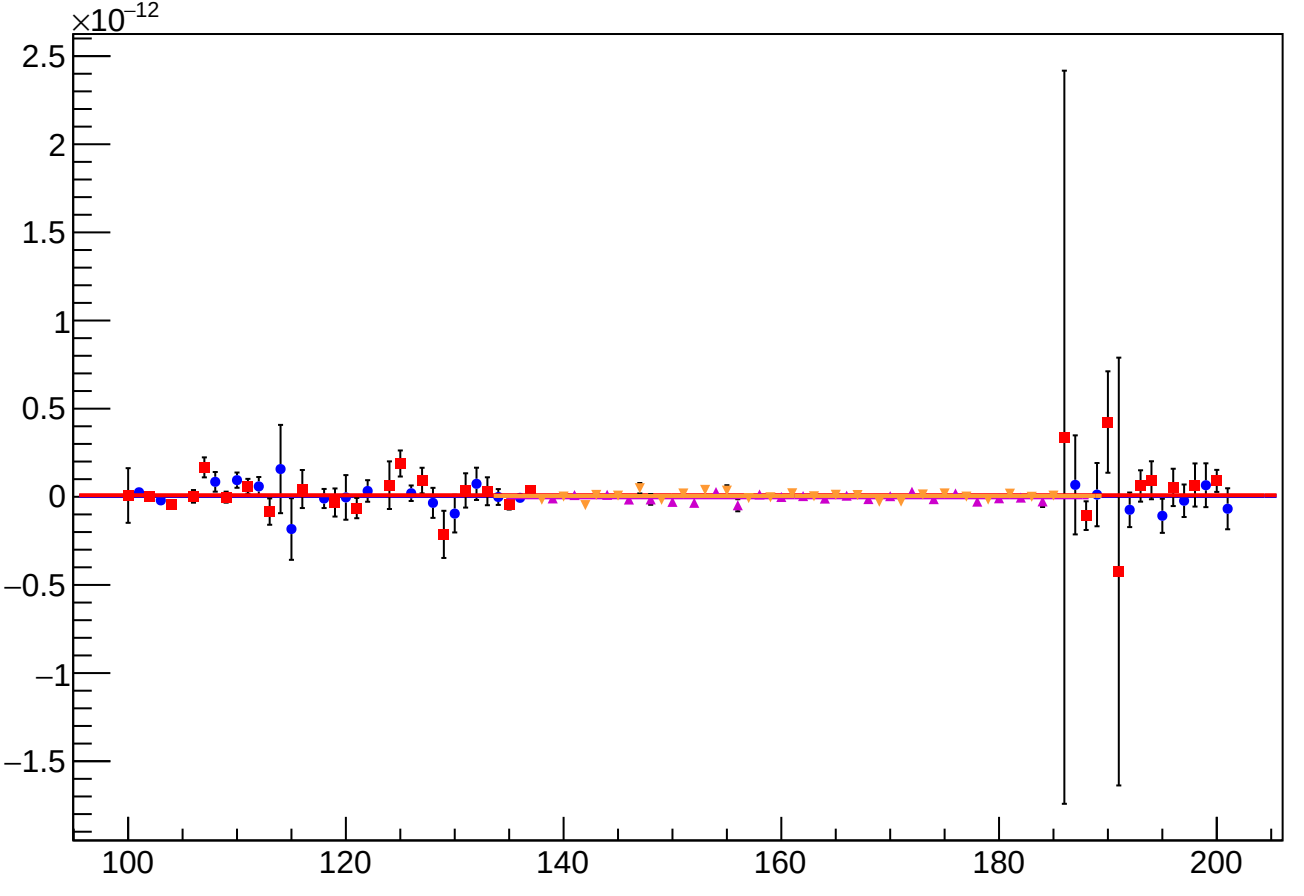
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 219.151+/-0.039 χ^2/NDF: 19057585.3/50

In: 258.204+/-0.036 χ^2/NDF:8789099.4/45

Out: 239.197+/-0.033 χ^2/NDF:12427218.2/52

All: 247.891+/-0.024 χ^2/NDF: 21369754.9/98



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: 37.9/27

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

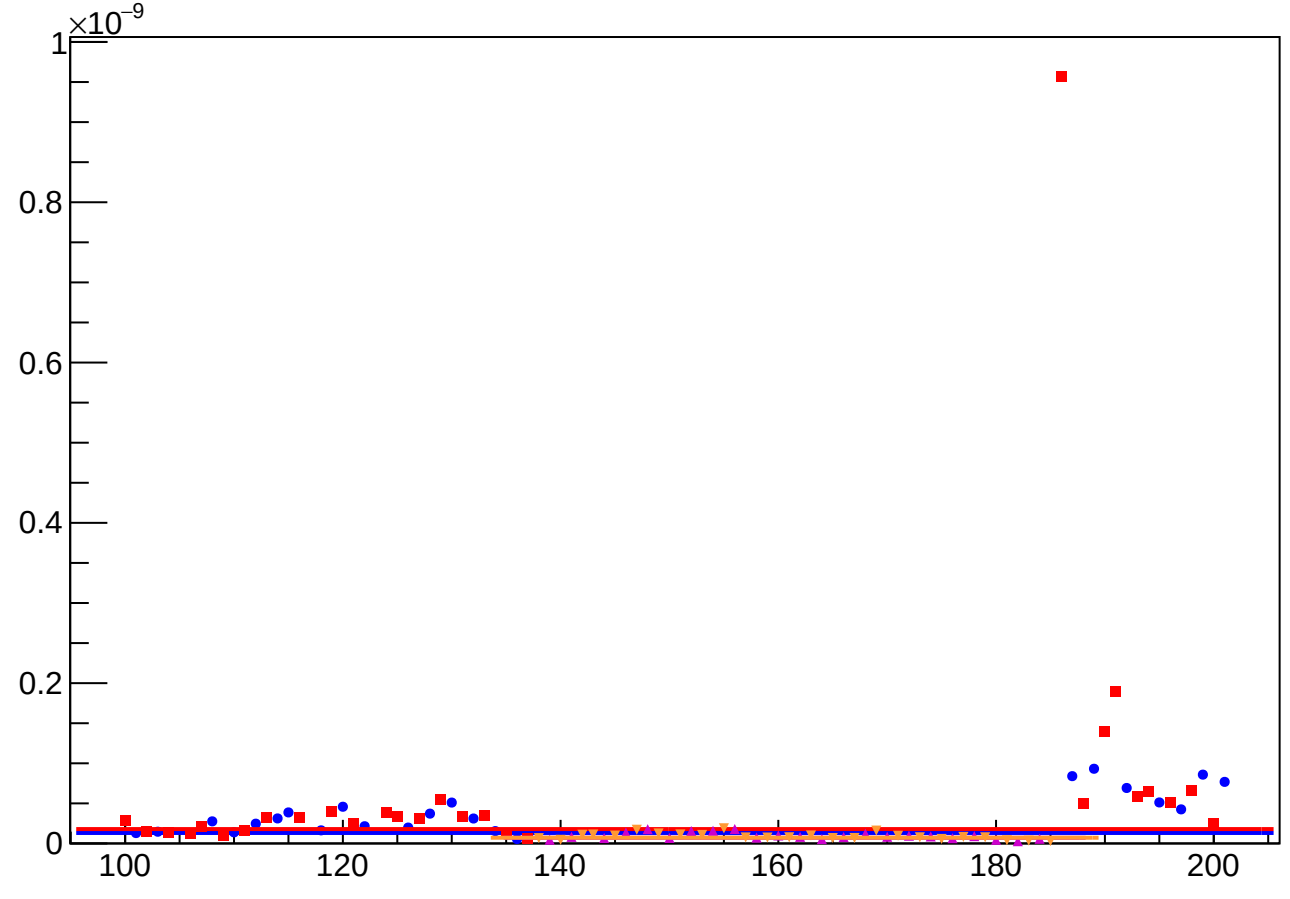
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.6/50

In: -0.000+/-0.000 χ^2/NDF:38.8/45

Out: 0.000+/-0.000 χ^2/NDF:66.0/52

All: 0.000+/-0.000 χ^2/NDF: 107.8/98



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: 3998767.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

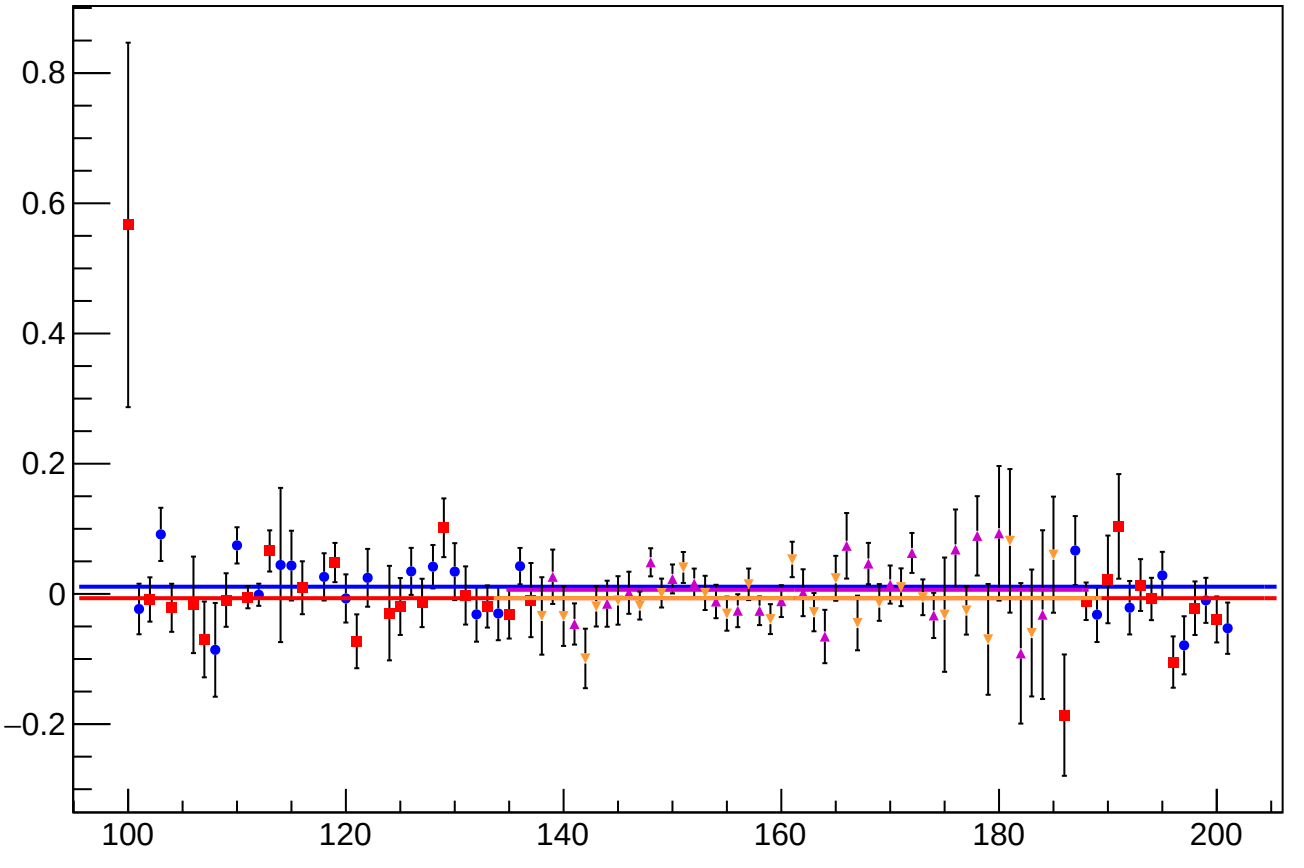
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9152298.7/50

In: 0.000+/-0.000 χ^2/NDF:7868209.7/45

Out: 0.000+/-0.000 χ^2/NDF:8169461.1/52

All: 0.000+/-0.000 χ^2/NDF: 16042930.4/98



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: 36.7/27

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

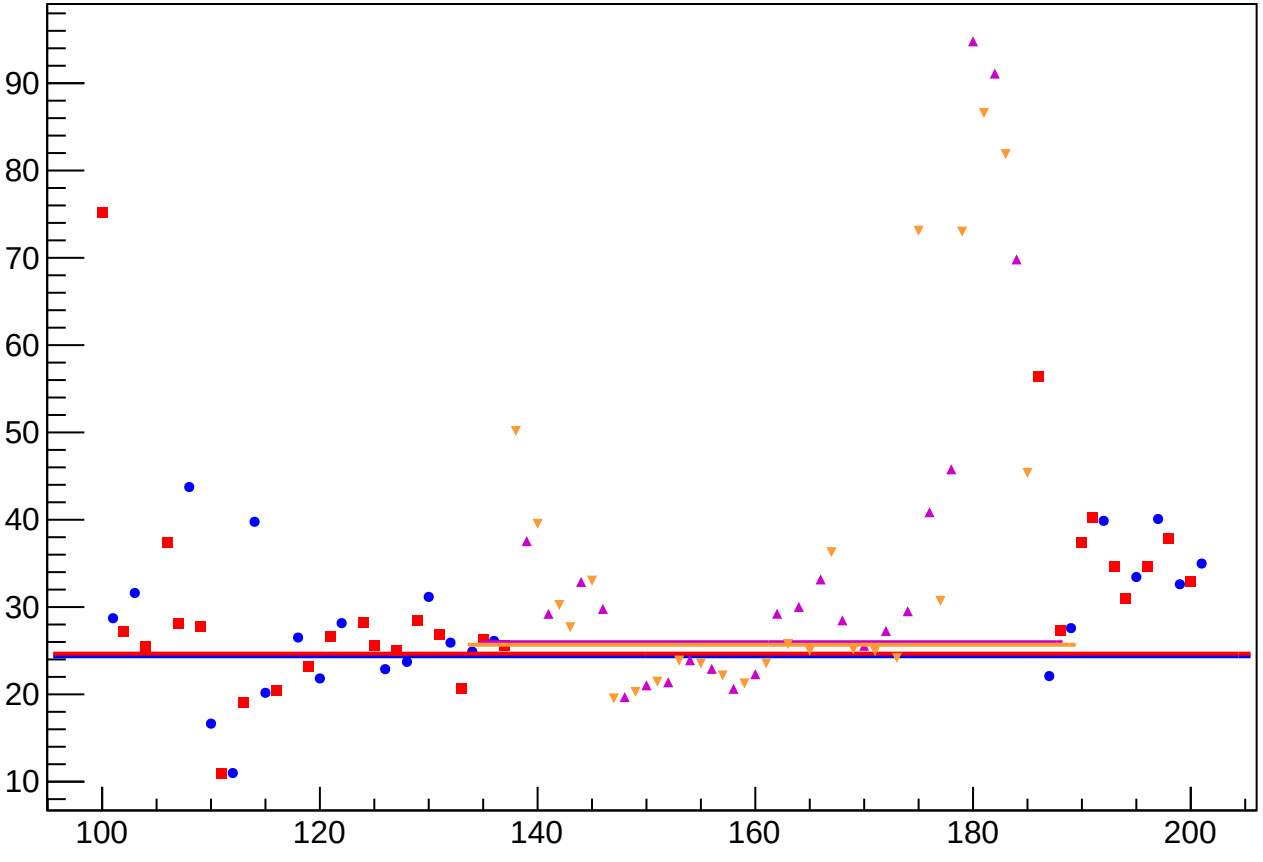
Right: 0.002+/-0.005 χ^2/NDF: 67.6/50

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 120.6/98

asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

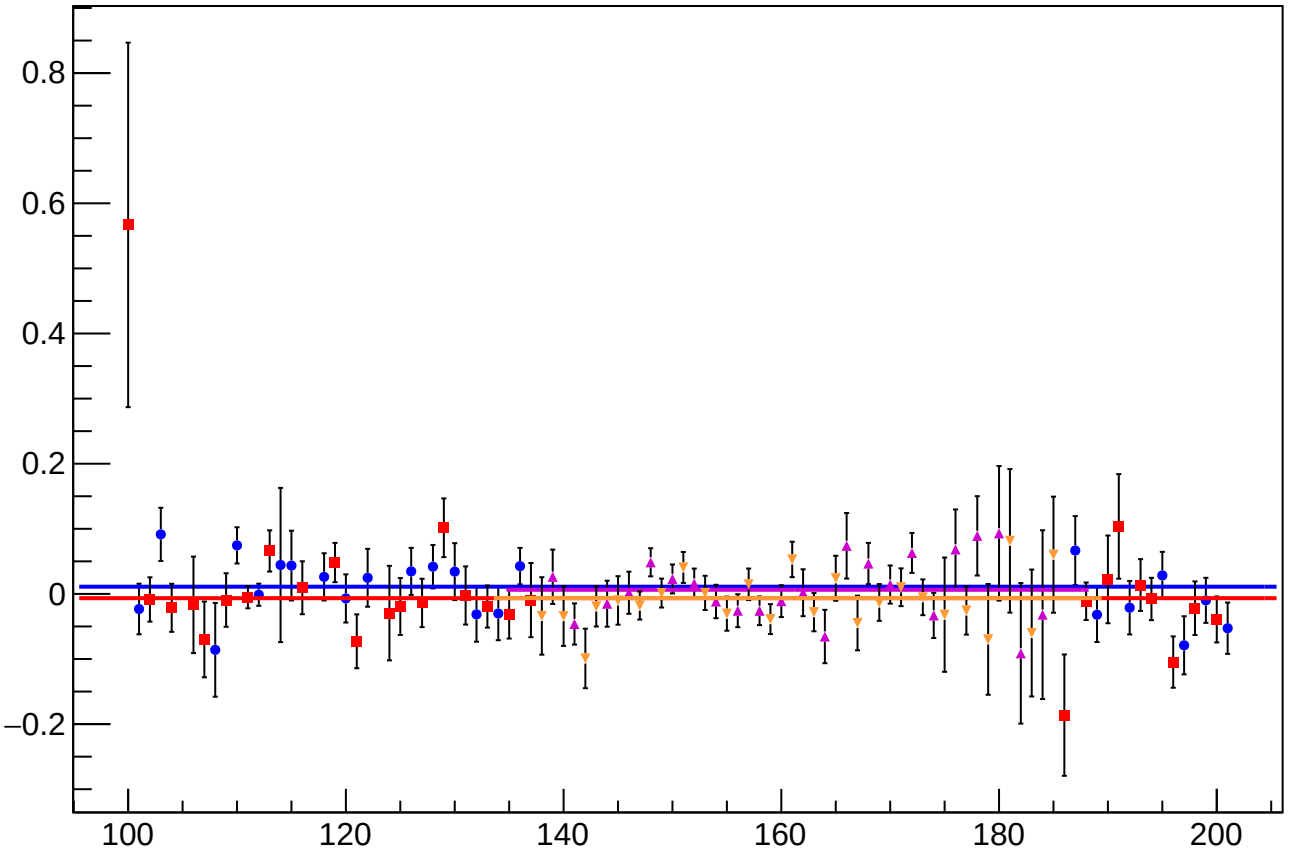
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.522+/-0.004 χ^2/NDF: 5352546.3/50

In: 25.274+/-0.004 χ^2/NDF:5869743.3/45

Out: 25.237+/-0.003 χ^2/NDF:6544456.6/52

All: 25.255+/-0.002 χ^2/NDF: 12414258.3/98



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: 36.7/27

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

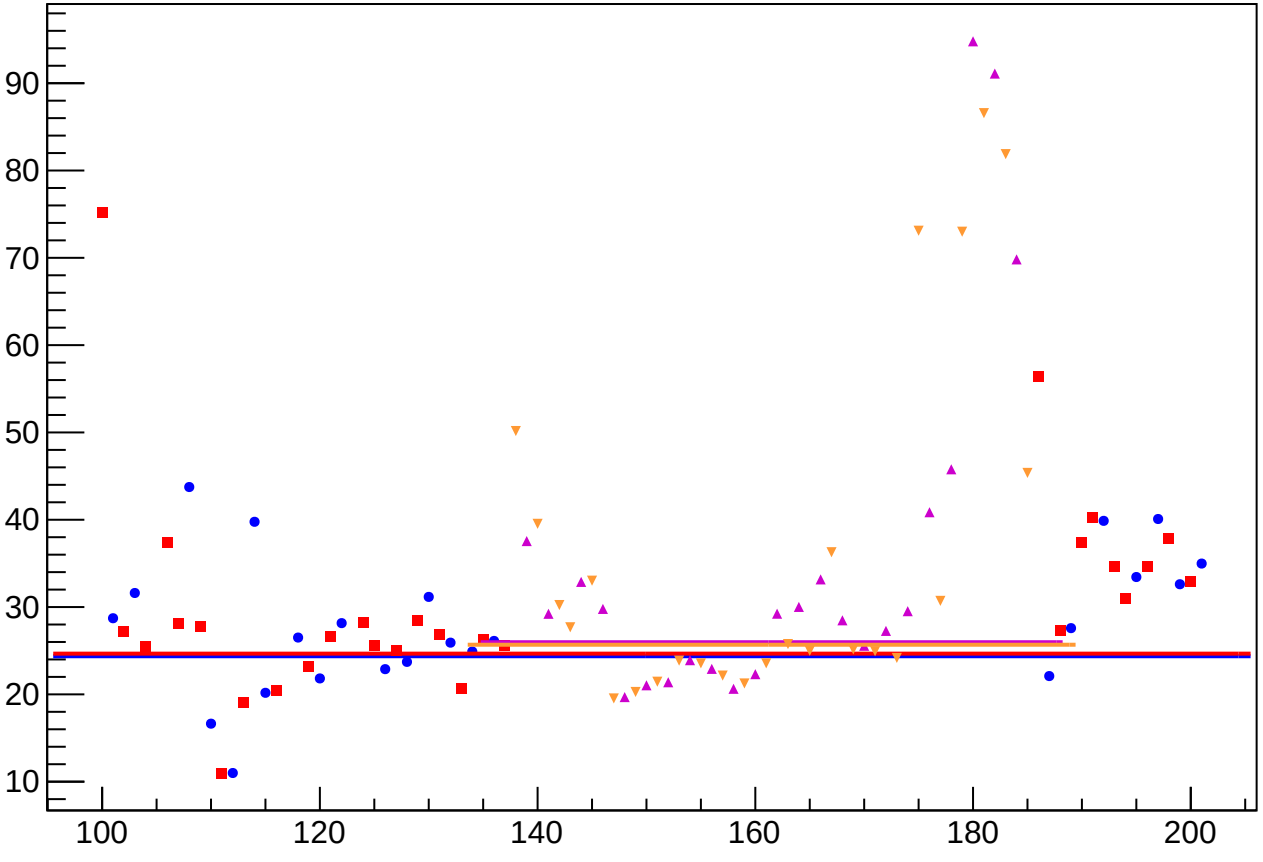
Right: 0.002+/-0.005 χ^2/NDF: 67.6/50

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 120.6/98

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

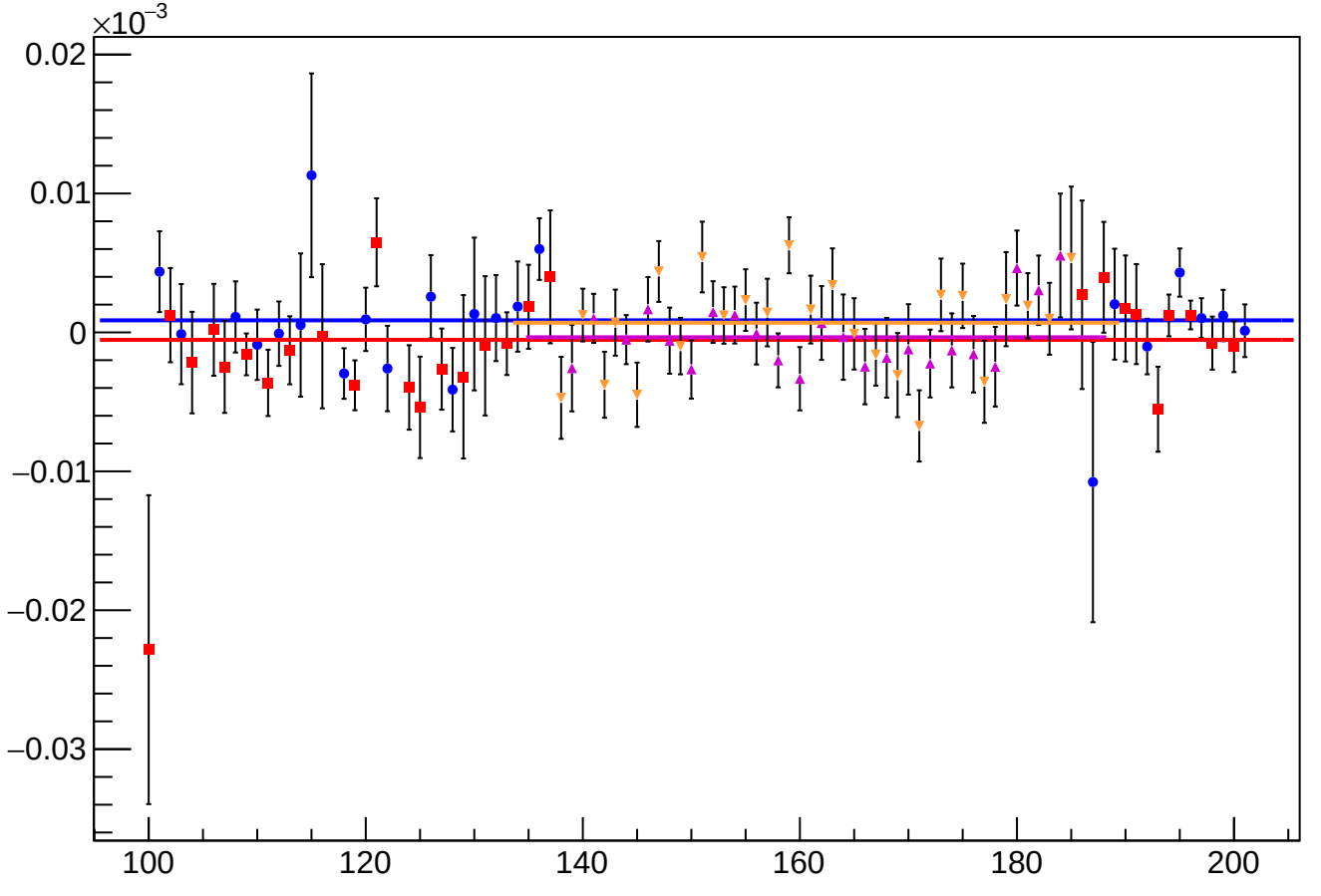
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.522+/-0.004 χ^2/NDF: 5352546.3/50

In: 25.274+/-0.004 χ^2/NDF:5869743.3/45

Out: 25.237+/-0.003 χ^2/NDF:6544456.6/52

All: 25.255+/-0.002 χ^2/NDF: 12414258.3/98



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/27

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

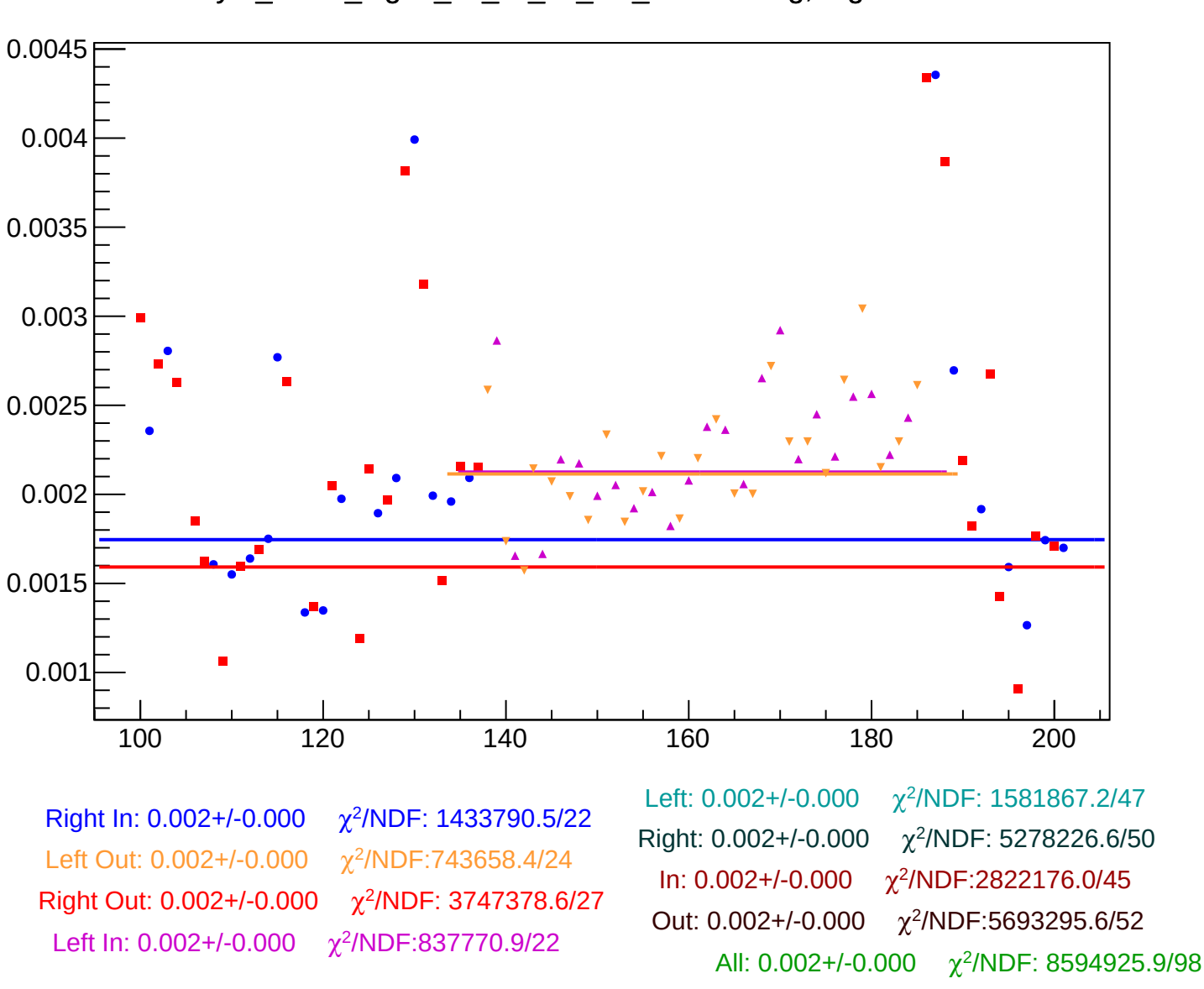
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

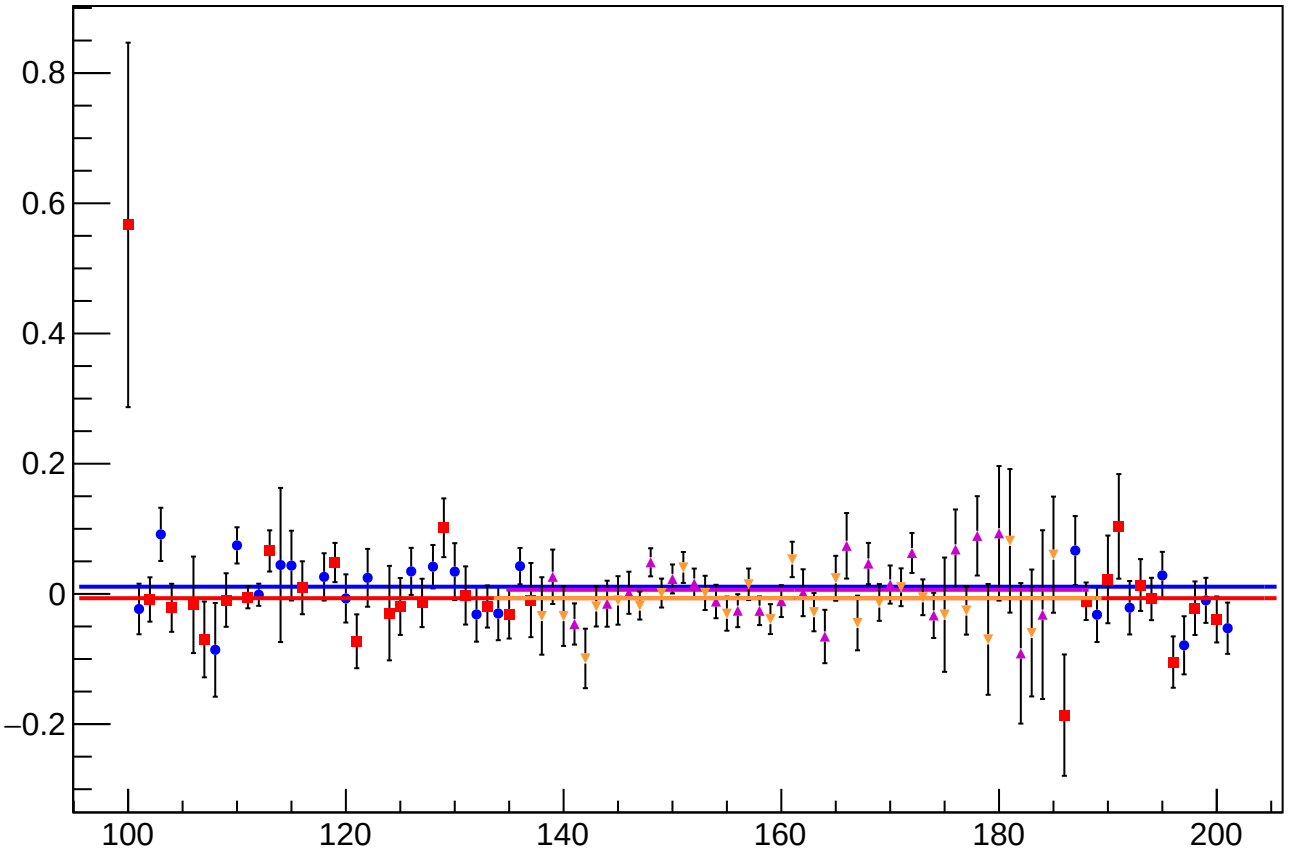
Right: 0.000+/-0.000 χ^2/NDF: 58.9/50

In: 0.000+/-0.000 χ^2/NDF:44.1/45

Out: 0.000+/-0.000 χ^2/NDF:77.6/52

All: 0.000+/-0.000 χ^2/NDF: 121.9/98


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 1433790.5/22
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 3747378.6/27
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 5278226.6/50
In: 0.002+/-0.000 χ²/NDF:2822176.0/45
Out: 0.002+/-0.000 χ²/NDF:5693295.6/52
All: 0.002+/-0.000 χ²/NDF: 8594925.9/98



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: 36.7/27

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

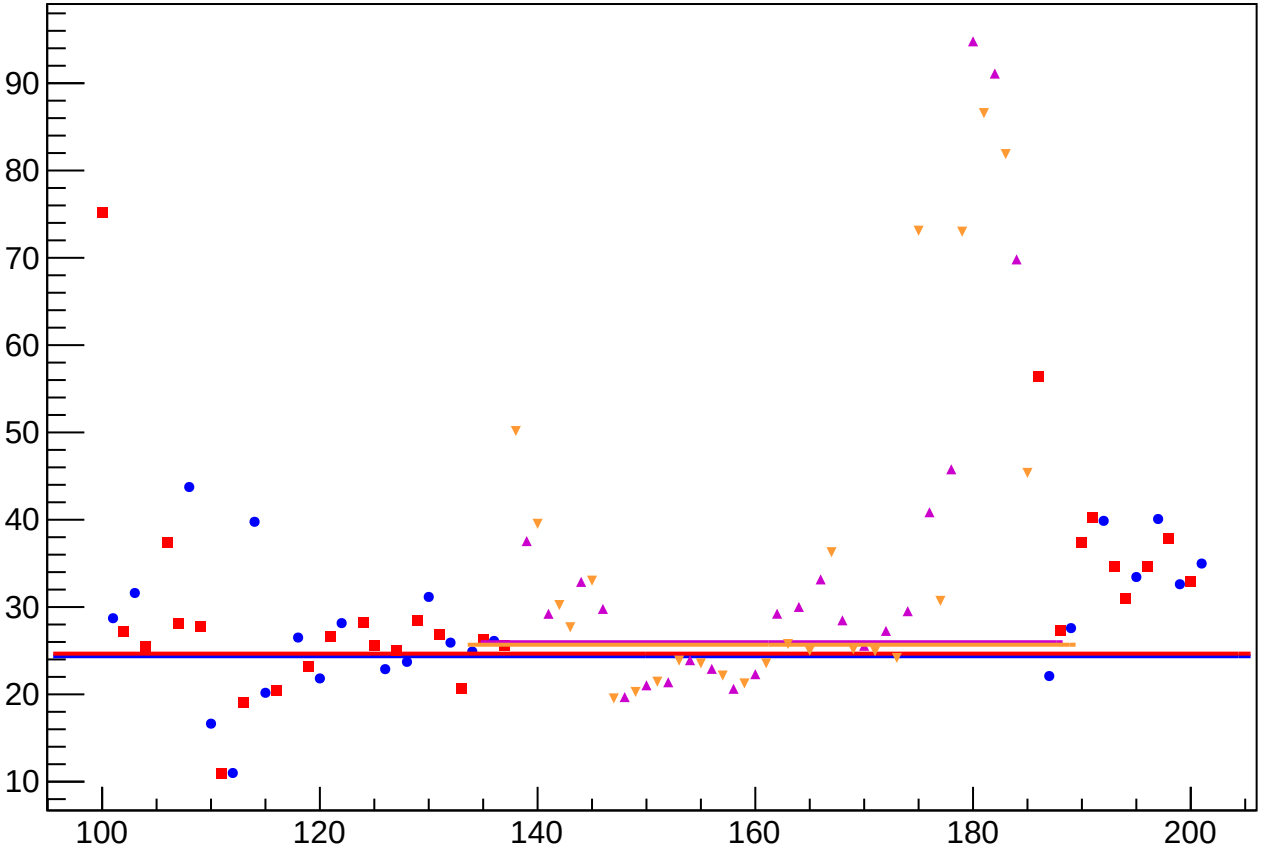
Right: 0.002+/-0.005 χ^2/NDF: 67.6/50

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 120.6/98

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

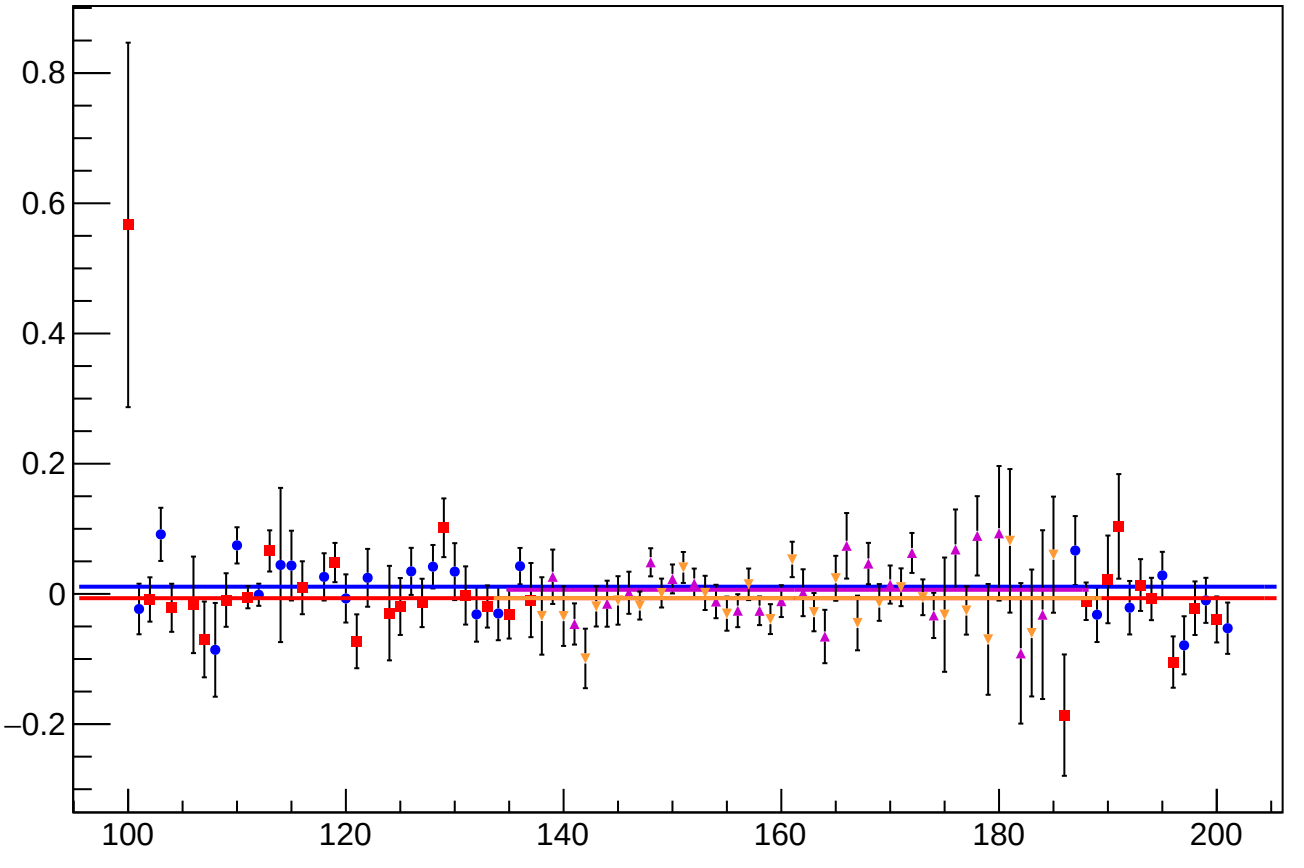
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.521+/-0.004 χ^2/NDF: 5353012.2/50

In: 25.274+/-0.004 χ^2/NDF:5870000.4/45

Out: 25.236+/-0.003 χ^2/NDF:6544725.9/52

All: 25.254+/-0.002 χ^2/NDF: 12414784.9/98



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: 36.7/27

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

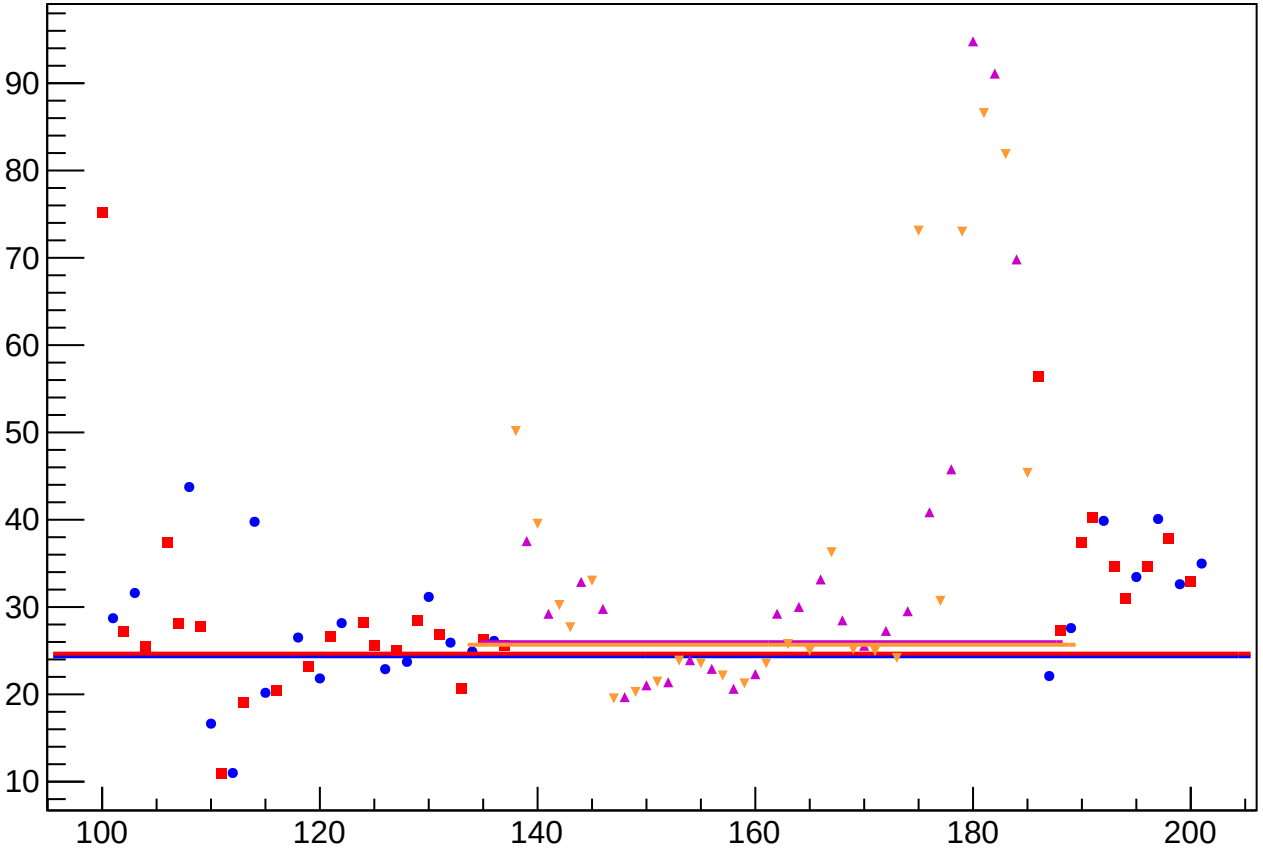
Right: 0.002+/-0.005 χ^2/NDF: 67.6/50

In: 0.008+/-0.005 χ^2/NDF:56.7/45

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 120.6/98

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

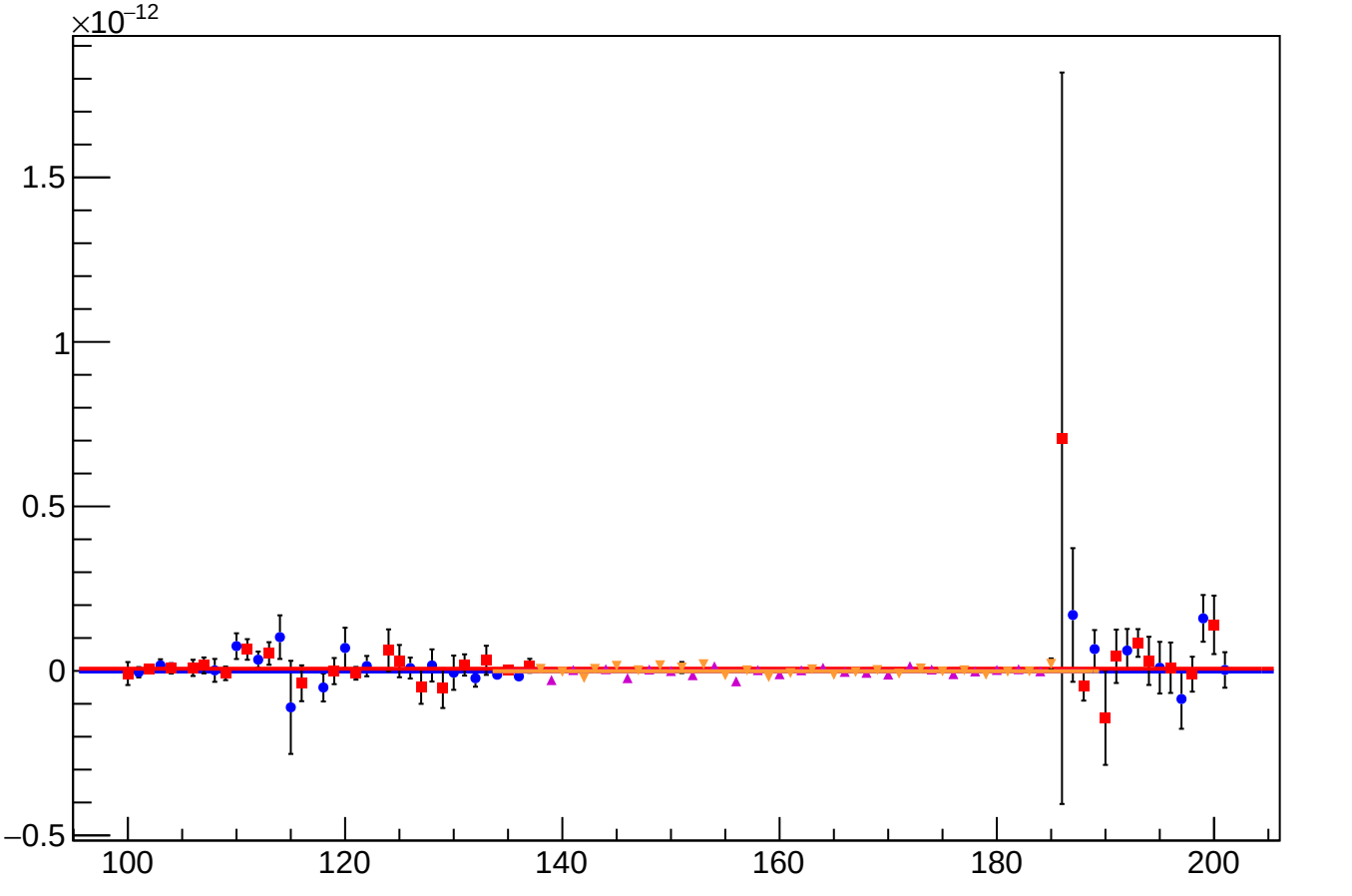
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.521+/-0.004 χ^2/NDF: 5353012.2/50

In: 25.274+/-0.004 χ^2/NDF:5870000.4/45

Out: 25.236+/-0.003 χ^2/NDF:6544725.9/52

All: 25.254+/-0.002 χ^2/NDF: 12414784.9/98



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: 20.3/27

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

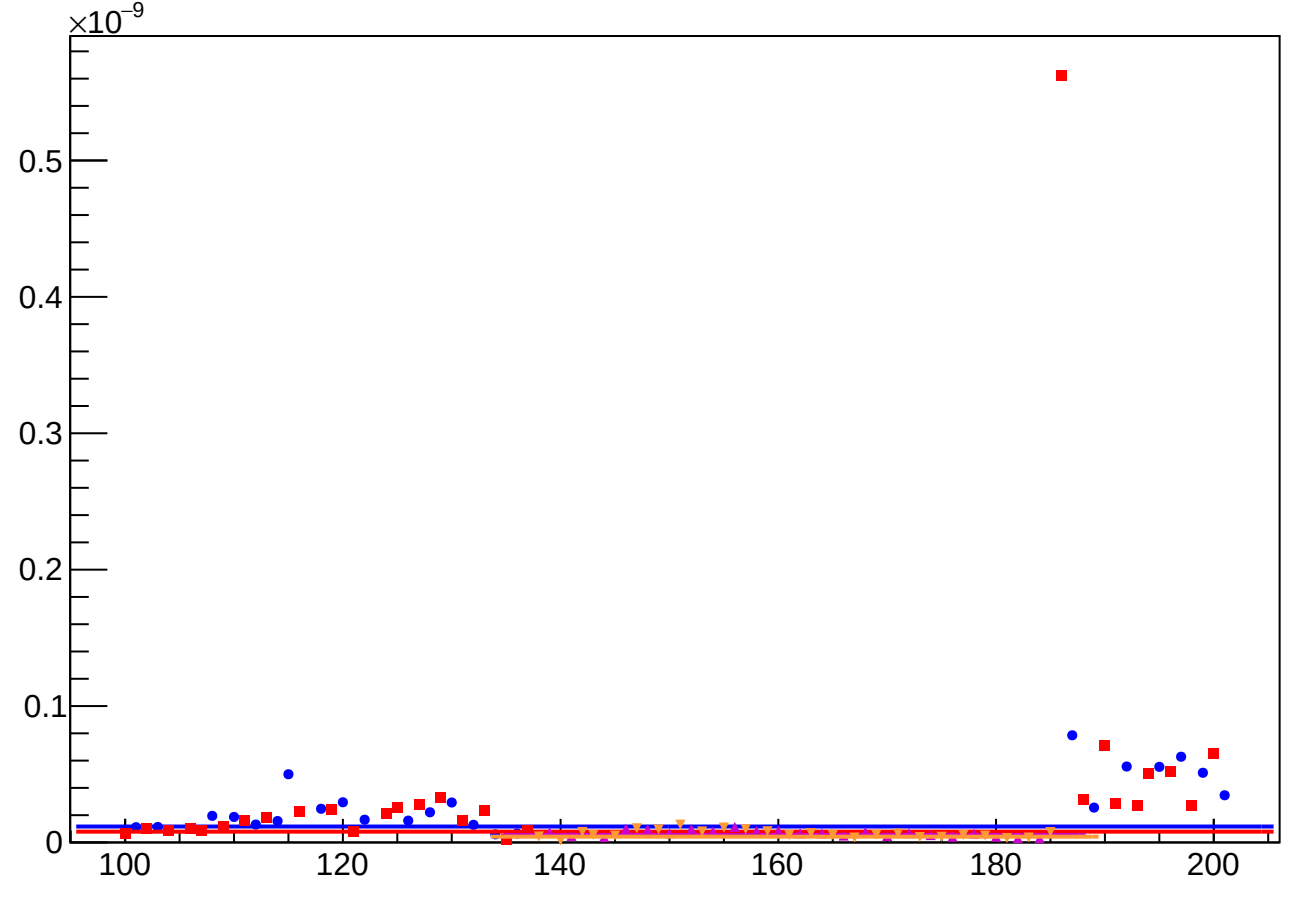
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.2/50

In: -0.000+/-0.000 χ^2/NDF:56.1/45

Out: -0.000+/-0.000 χ^2/NDF:52.0/52

All: -0.000+/-0.000 χ^2/NDF: 108.2/98



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: 8572068.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

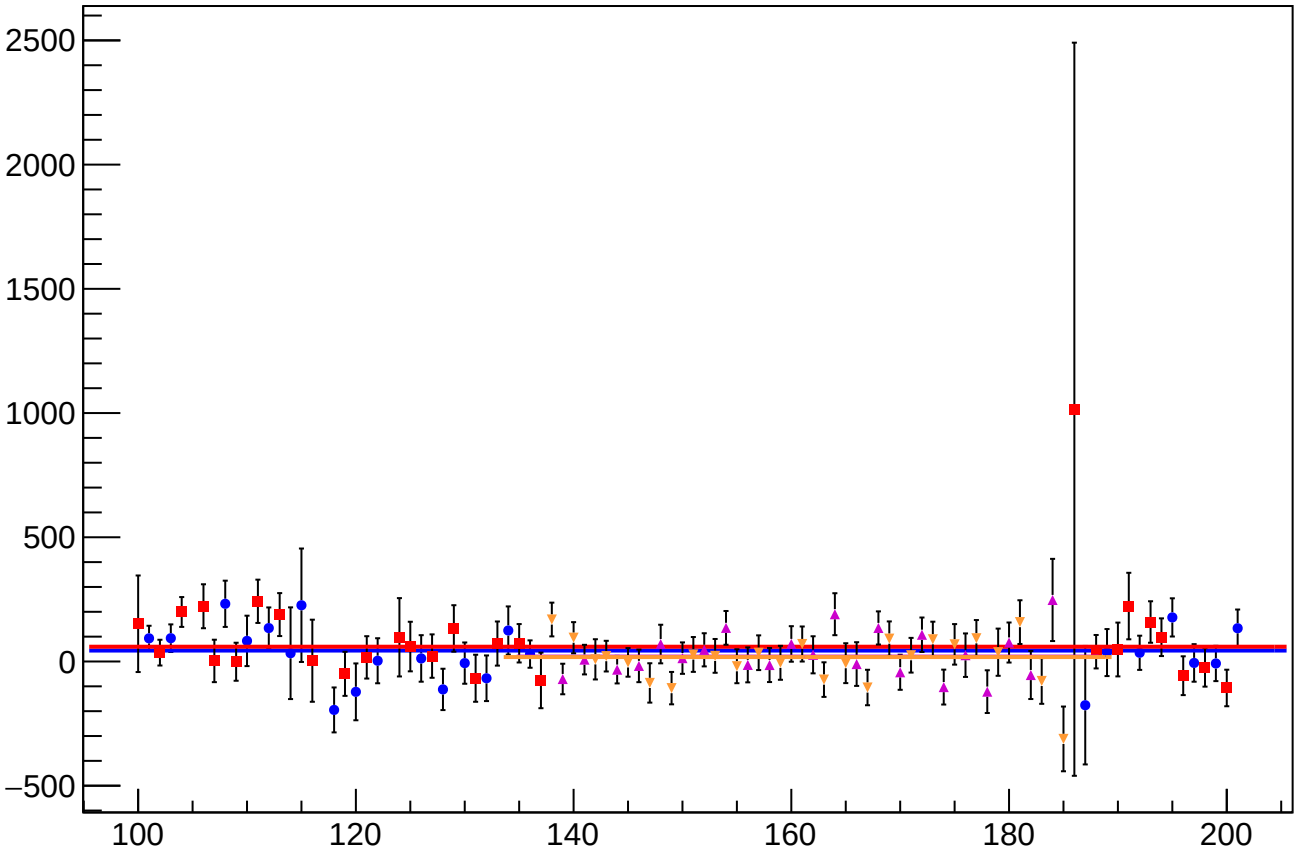
Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14712292.4/50

In: 0.000+/-0.000 χ^2/NDF:10786755.6/45

Out: 0.000+/-0.000 χ^2/NDF:15314751.5/52

All: 0.000+/-0.000 χ^2/NDF: 27000189.4/98



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: 59.438+/-16.340 χ^2/NDF: 35.2/27

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

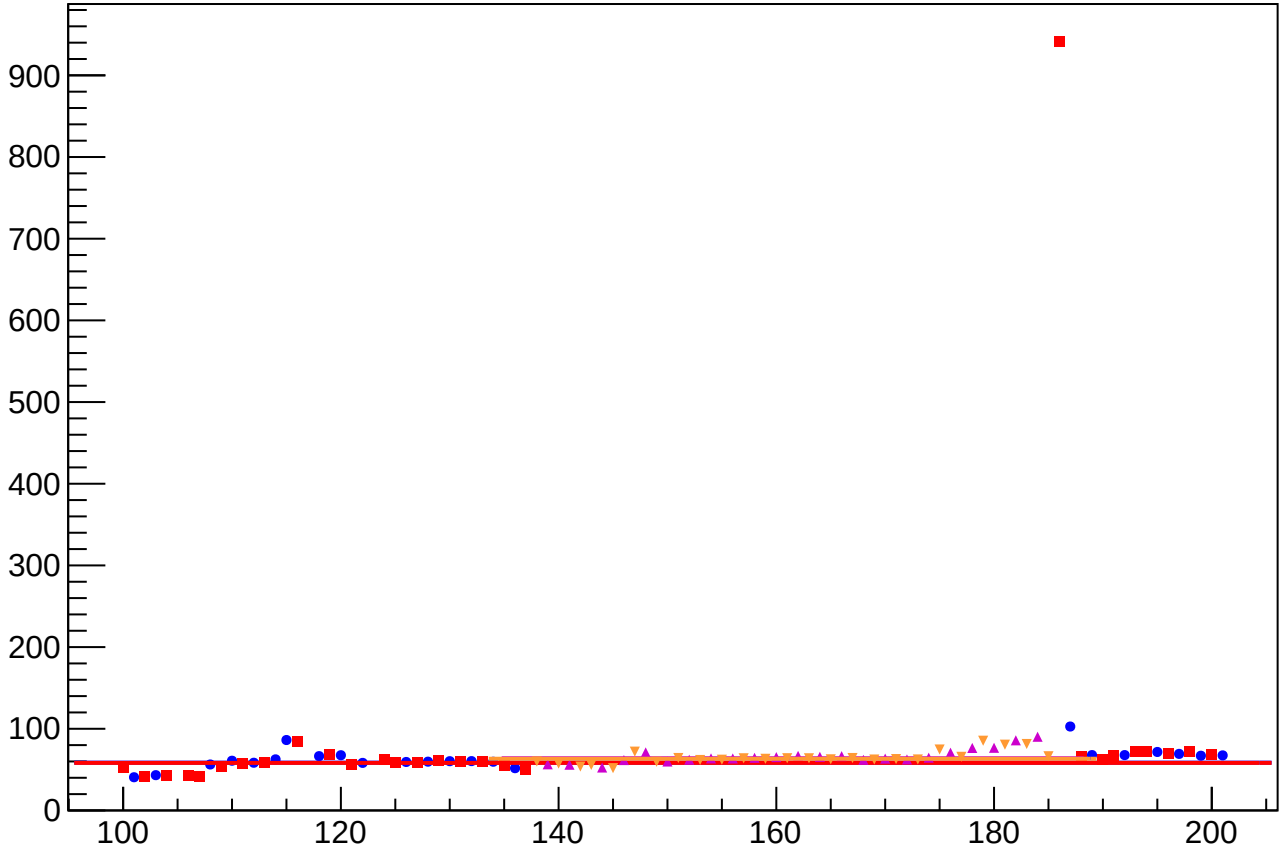
Right: 52.049+/-11.781 χ^2/NDF: 65.3/50

In: 30.356+/-11.265 χ^2/NDF:57.0/45

Out: 36.137+/-10.843 χ^2/NDF:70.4/52

All: 33.357+/-7.812 χ^2/NDF: 127.6/98

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: 58.228+/-0.012 χ^2/NDF: 1603518.8/27

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

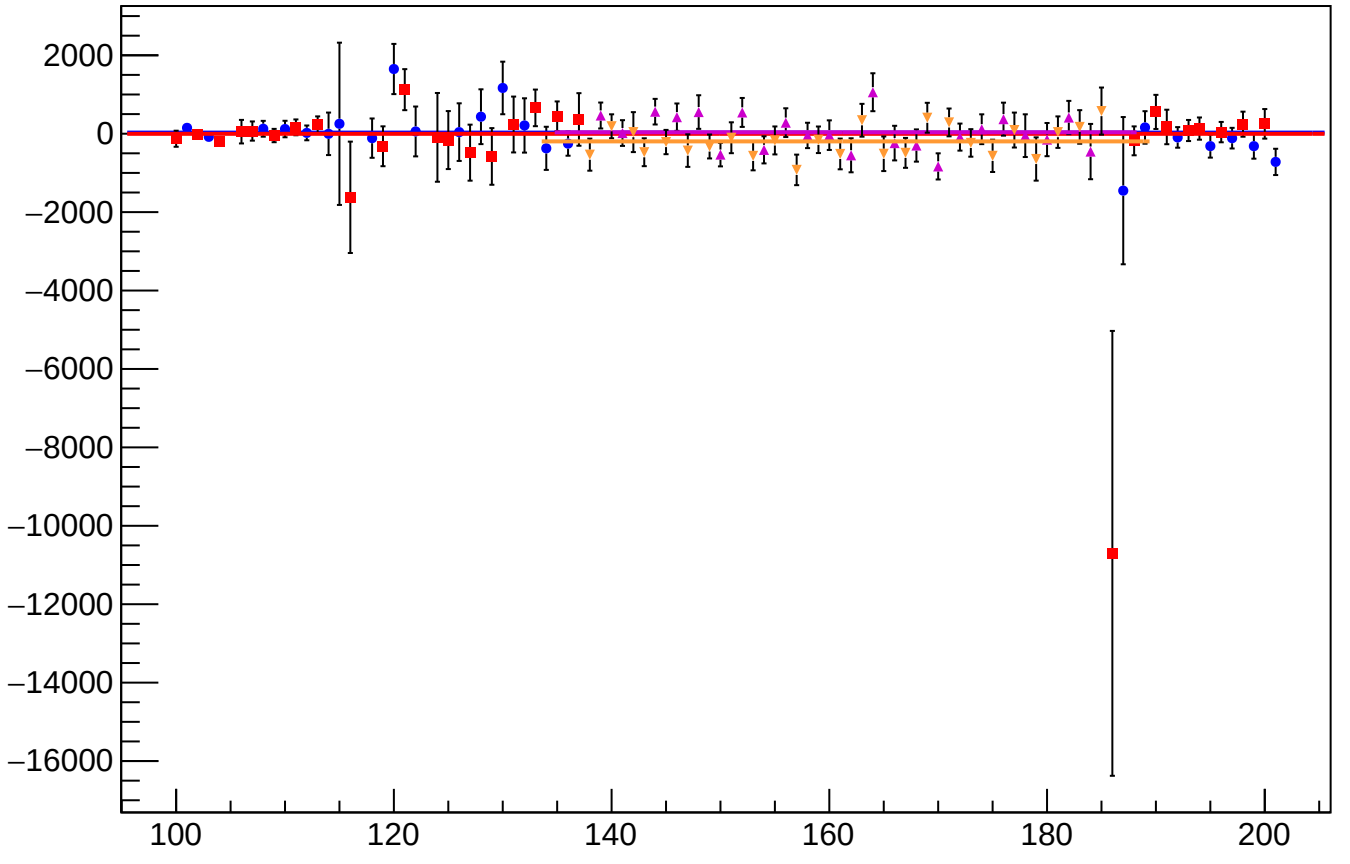
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.377+/-0.008 χ^2/NDF: 2378301.6/50

In: 61.556+/-0.008 χ^2/NDF:1332103.5/45

Out: 61.073+/-0.008 χ^2/NDF:2209322.3/52

All: 61.306+/-0.006 χ^2/NDF: 3543334.9/98



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: -2.865+/-46.070 χ^2/NDF: 25.2/27

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

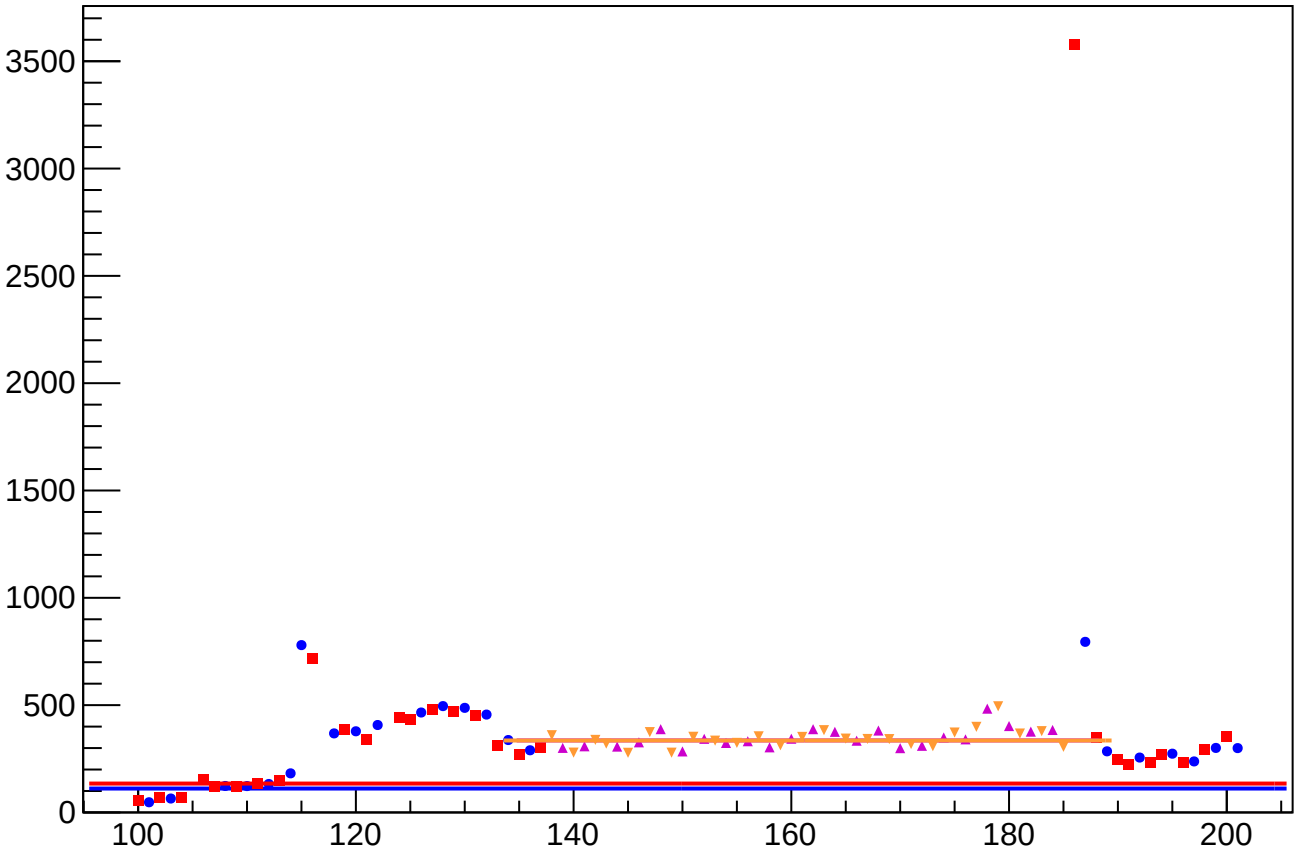
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 13.476+/-31.632 χ^2/NDF: 50.6/50

In: 29.990+/-38.135 χ^2/NDF:56.2/45

Out: -53.677+/-39.546 χ^2/NDF:50.5/52

All: -10.325+/-27.451 χ^2/NDF: 109.0/98



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: 134.596+/-0.033 χ^2/NDF: 9720605.9/27

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

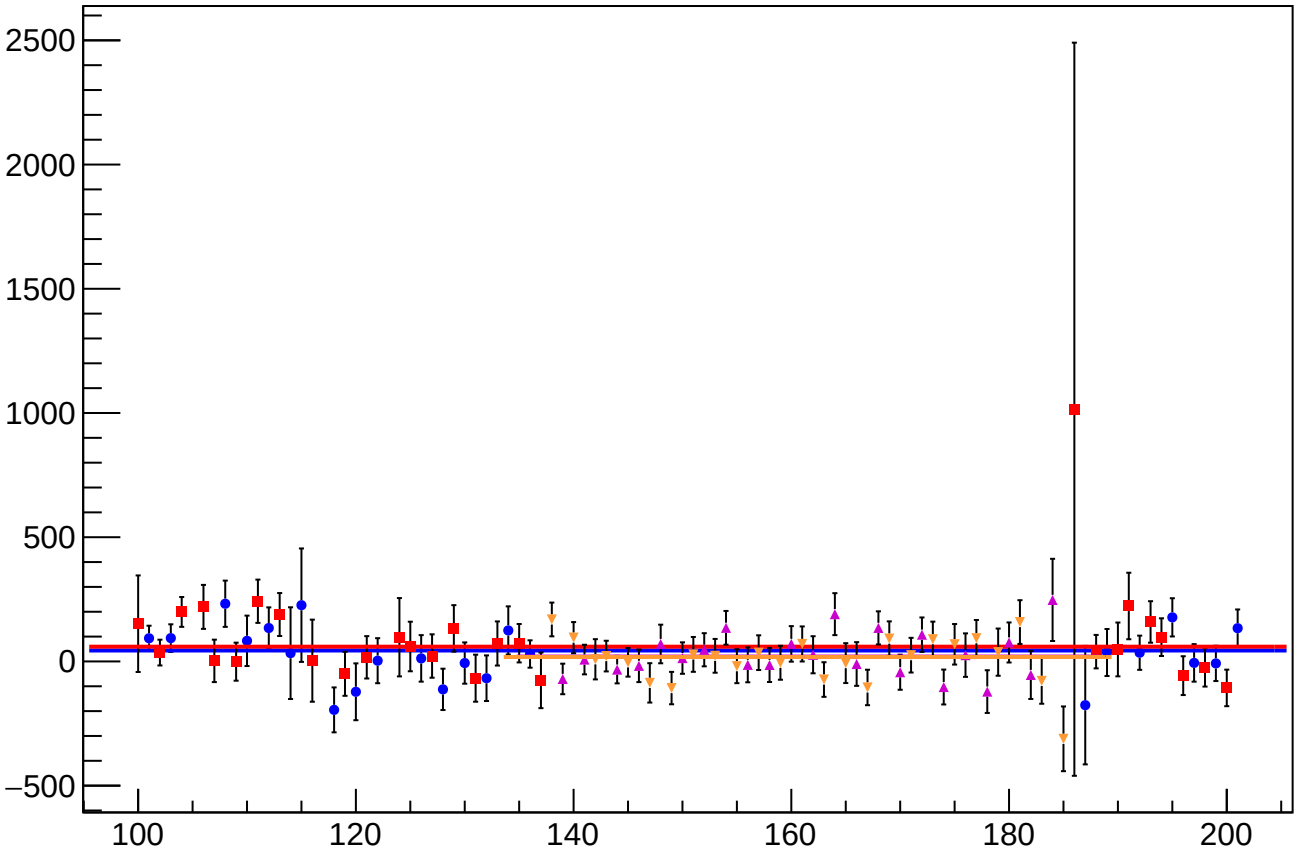
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

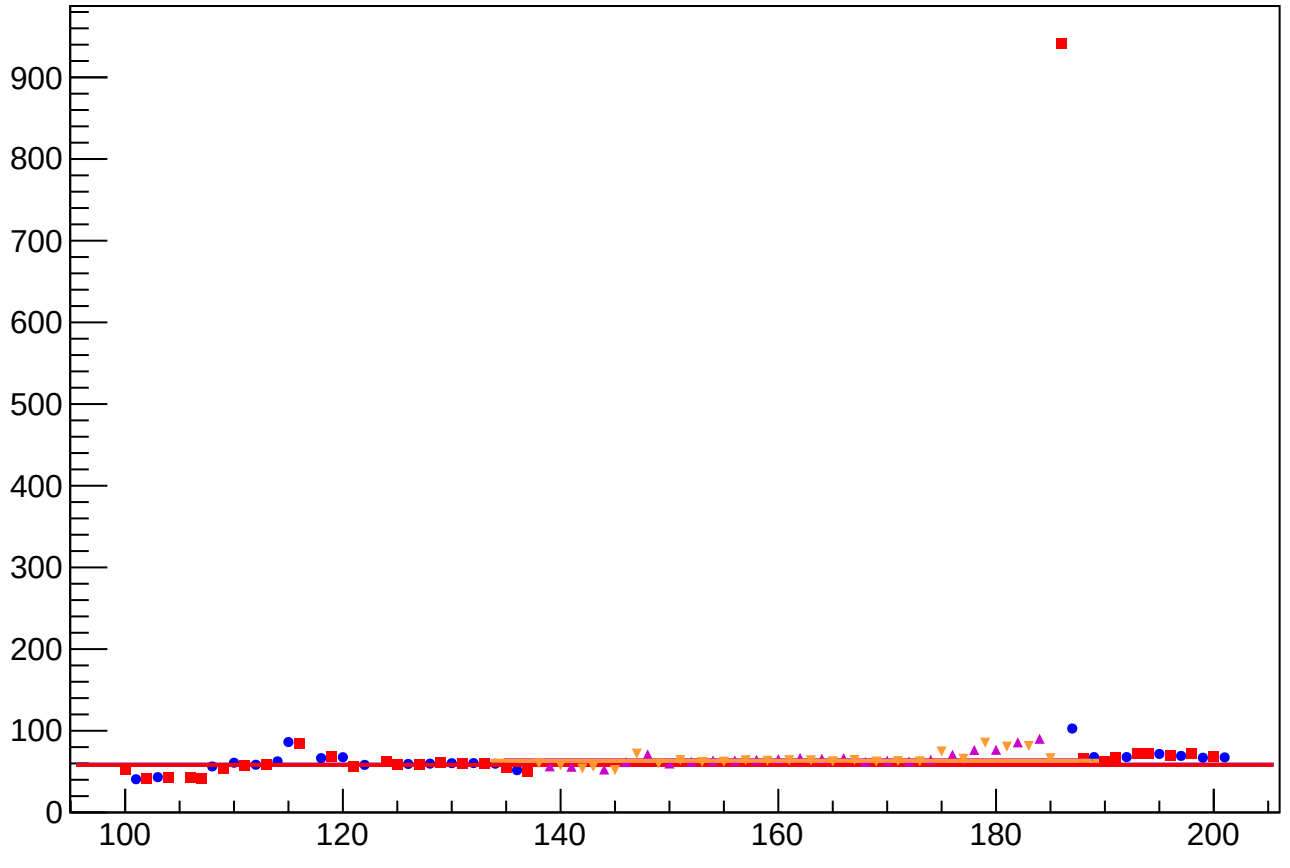
Right: 122.340+/-0.022 χ^2/NDF: 20739931.5/50

In: 163.357+/-0.027 χ^2/NDF:23546637.2/45

Out: 187.407+/-0.028 χ^2/NDF:20270833.4/52

All: 174.945+/-0.019 χ^2/NDF: 44200755.2/98


cor_asym_sam_15_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
200
Right In: 44.057+/-17.003 χ²/NDF: 29.7/22
Left Out: 17.804+/-14.495 χ²/NDF:31.6/24
Right Out: 59.345+/-16.340 χ²/NDF: 35.1/27
Left In: 19.642+/-15.040 χ²/NDF:26.2/22
Left: 18.689+/-10.437 χ²/NDF: 57.8/47
Right: 52.005+/-11.782 χ²/NDF: 65.2/50
In: 30.359+/-11.265 χ²/NDF:57.0/45
Out: 36.098+/-10.844 χ²/NDF:70.3/52
All: 33.338+/-7.812 χ²/NDF: 127.4/98



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: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

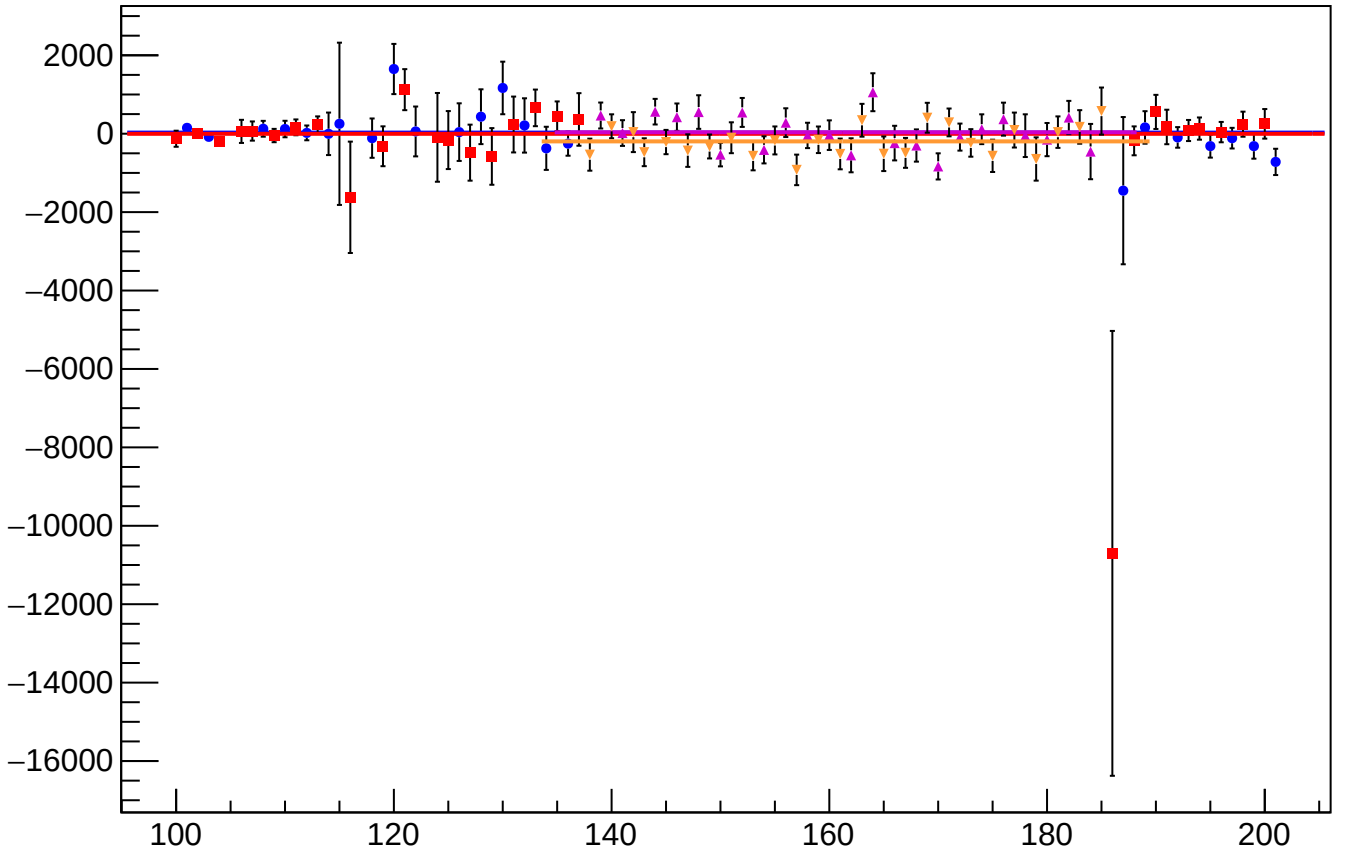
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.376+/-0.008 χ^2/NDF: 2378712.2/50

In: 61.556+/-0.008 χ^2/NDF:1332102.3/45

Out: 61.073+/-0.008 χ^2/NDF:2209769.1/52

All: 61.305+/-0.006 χ^2/NDF: 3543783.2/98



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: -2.528+/-46.037 χ^2/NDF: 25.2/27

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

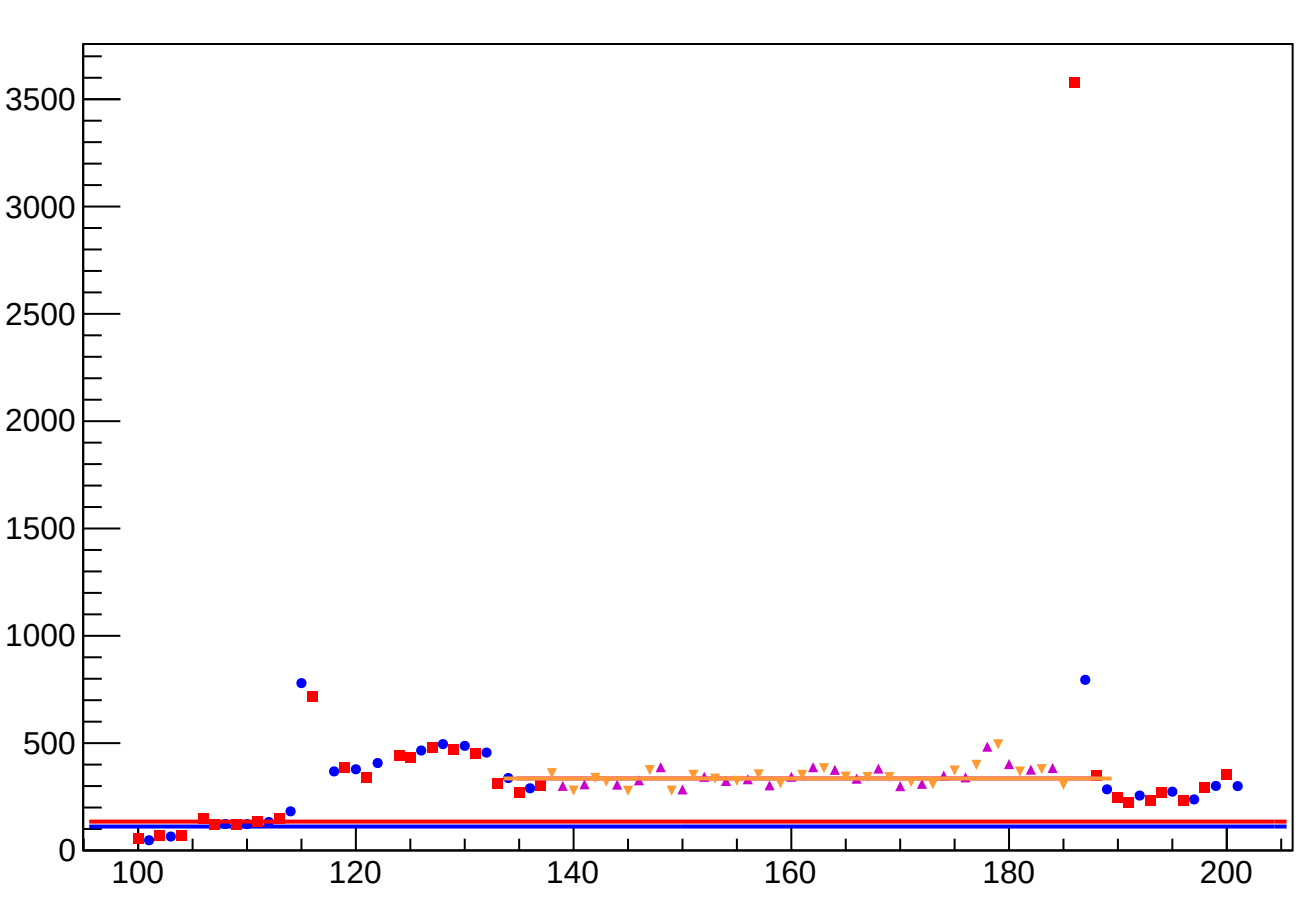
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 13.626+/-31.621 χ^2/NDF: 50.6/50

In: 29.992+/-38.135 χ^2/NDF:56.2/45

Out: -53.374+/-39.525 χ^2/NDF:50.5/52

All: -10.199+/-27.444 χ^2/NDF: 109.0/98



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: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

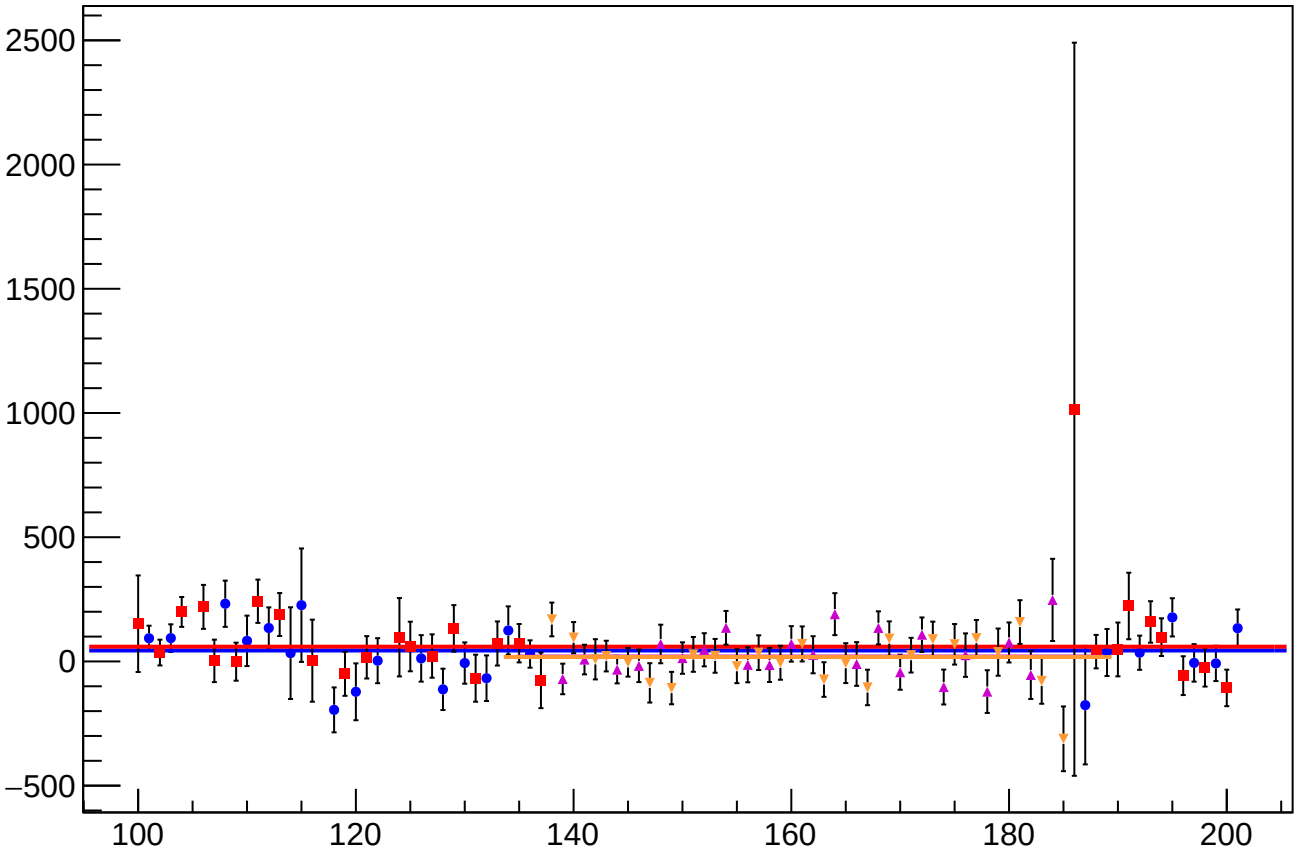
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 122.258+/-0.022 χ^2/NDF: 20736452.6/50

In: 163.353+/-0.027 χ^2/NDF:23547293.4/45

Out: 187.213+/-0.028 χ^2/NDF:20293593.5/52

All: 174.856+/-0.019 χ^2/NDF: 44218359.8/98



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: 59.345+/-16.340 χ^2/NDF: 35.1/27

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

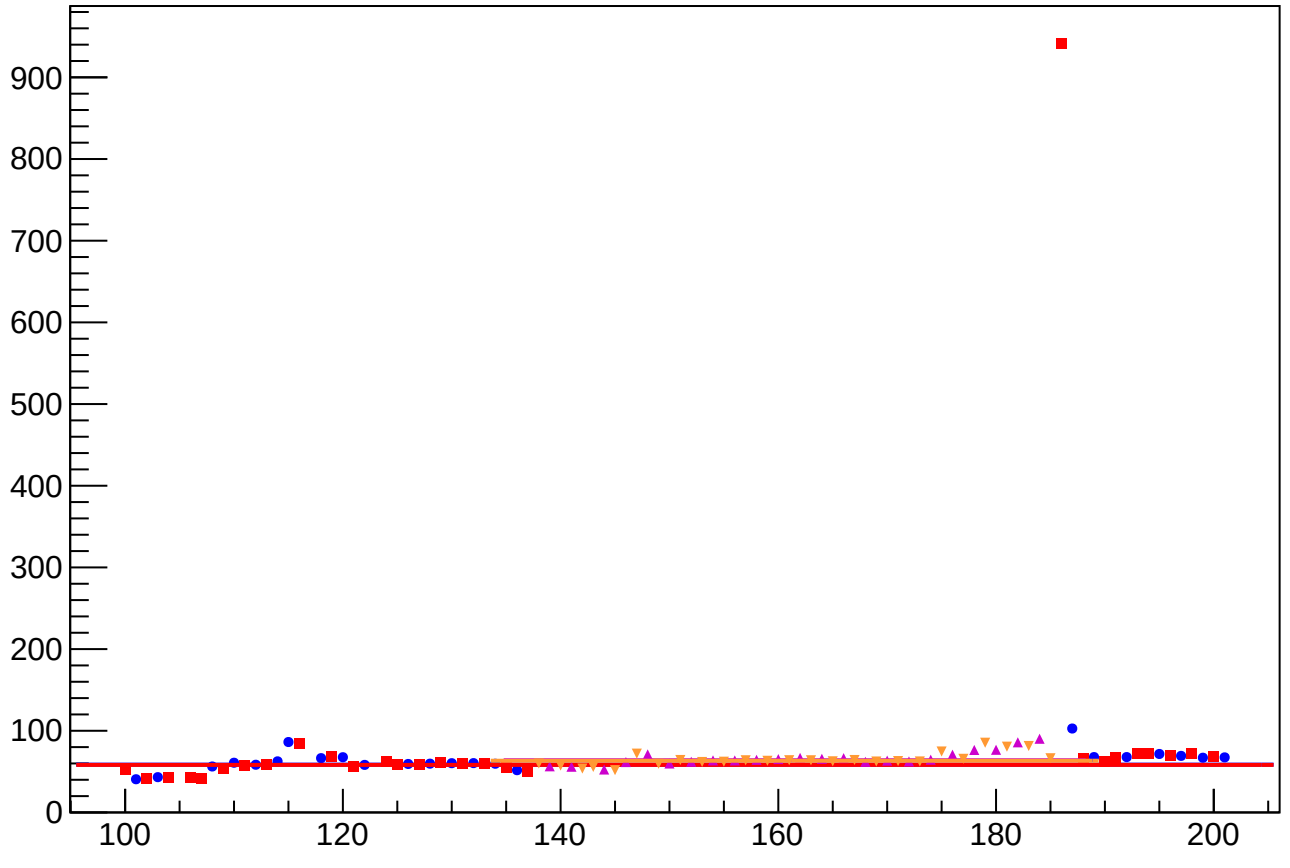
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 52.005+/-11.782 χ^2/NDF: 65.2/50

In: 30.359+/-11.265 χ^2/NDF:57.0/45

Out: 36.098+/-10.844 χ^2/NDF:70.3/52

All: 33.338+/-7.812 χ^2/NDF: 127.4/98



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: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

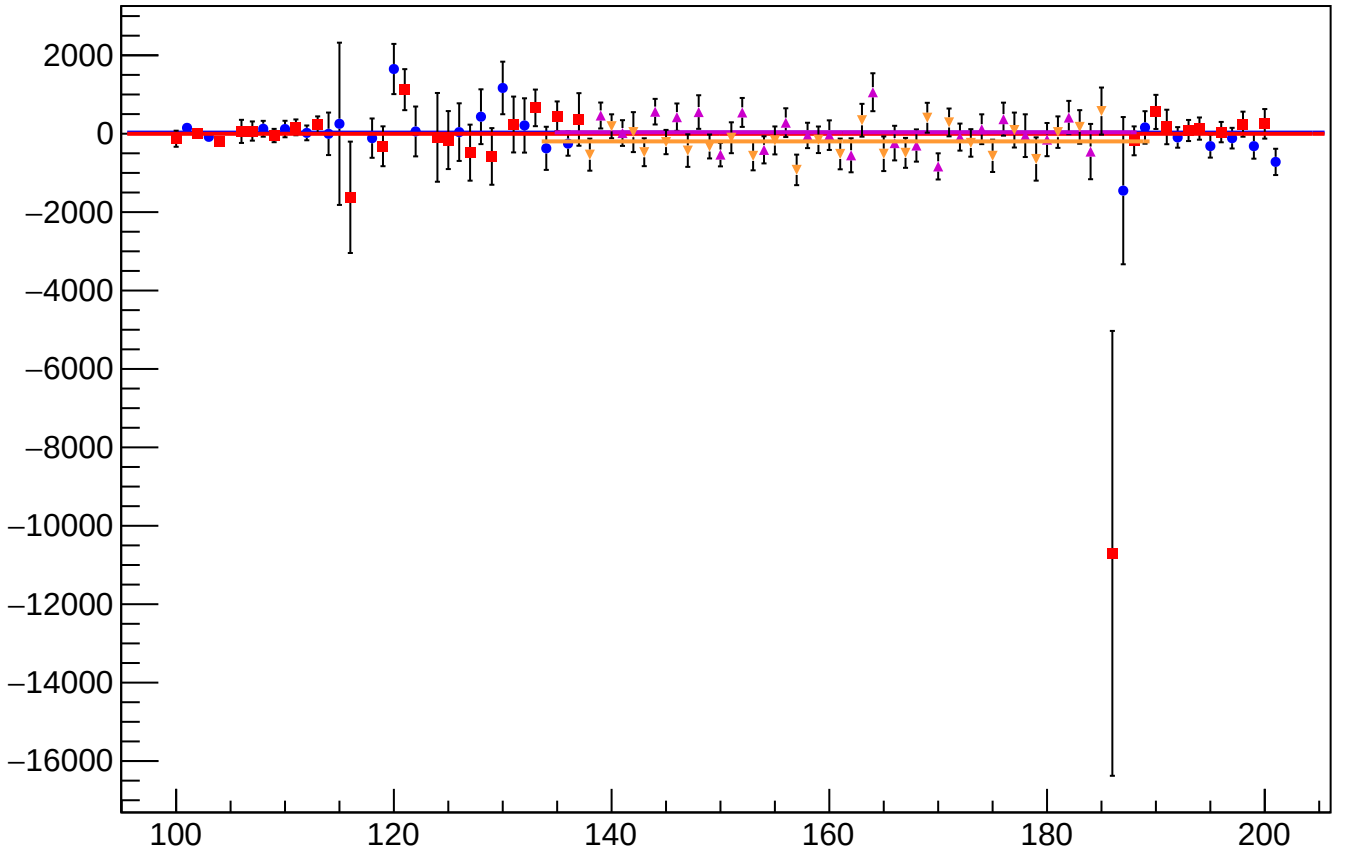
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.376+/-0.008 χ^2/NDF: 2378712.2/50

In: 61.556+/-0.008 χ^2/NDF:1332102.3/45

Out: 61.073+/-0.008 χ^2/NDF:2209769.1/52

All: 61.305+/-0.006 χ^2/NDF: 3543783.2/98



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: -2.528+/-46.037 χ^2/NDF: 25.2/27

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

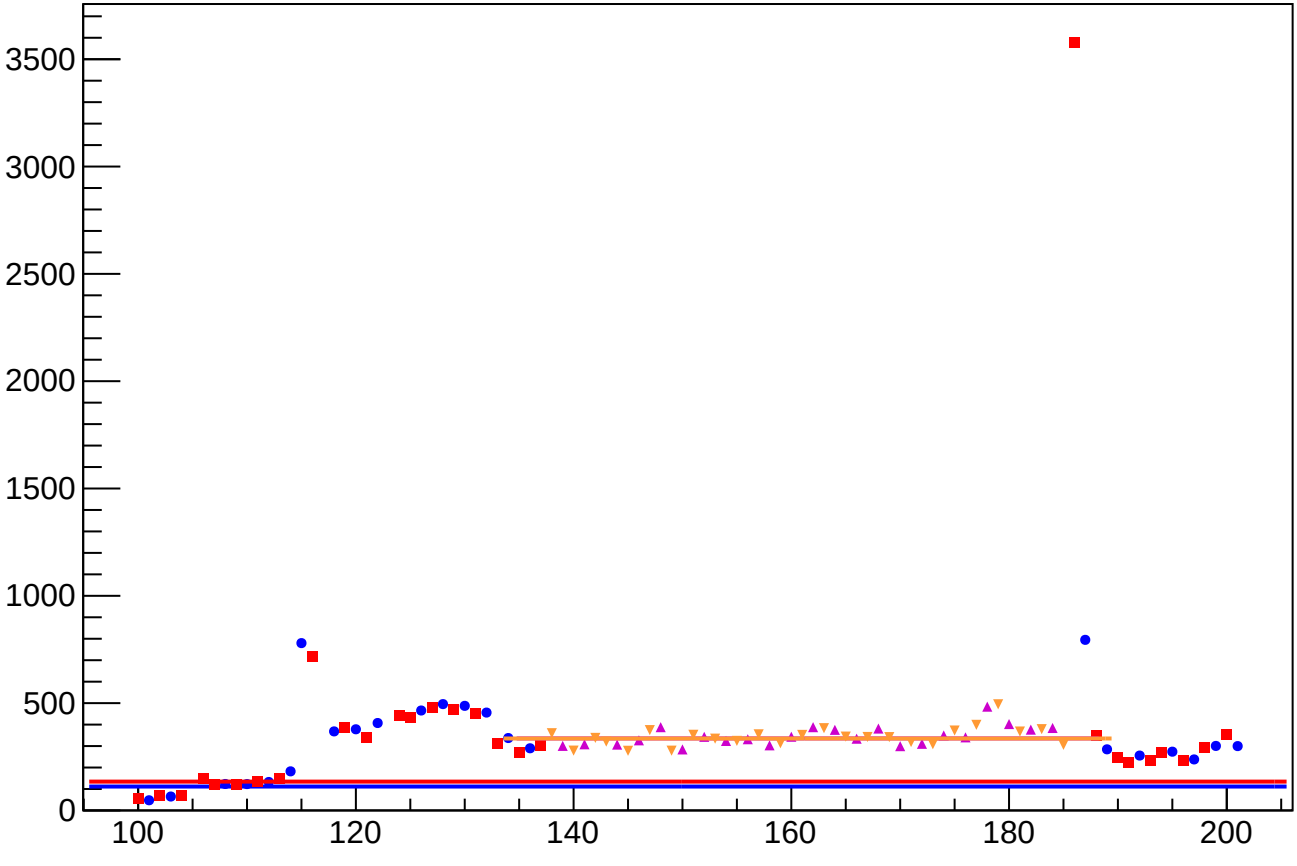
Right: 13.626+/-31.621 χ^2/NDF: 50.6/50

In: 29.992+/-38.135 χ^2/NDF:56.2/45

Out: -53.374+/-39.525 χ^2/NDF:50.5/52

All: -10.199+/-27.444 χ^2/NDF: 109.0/98

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: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

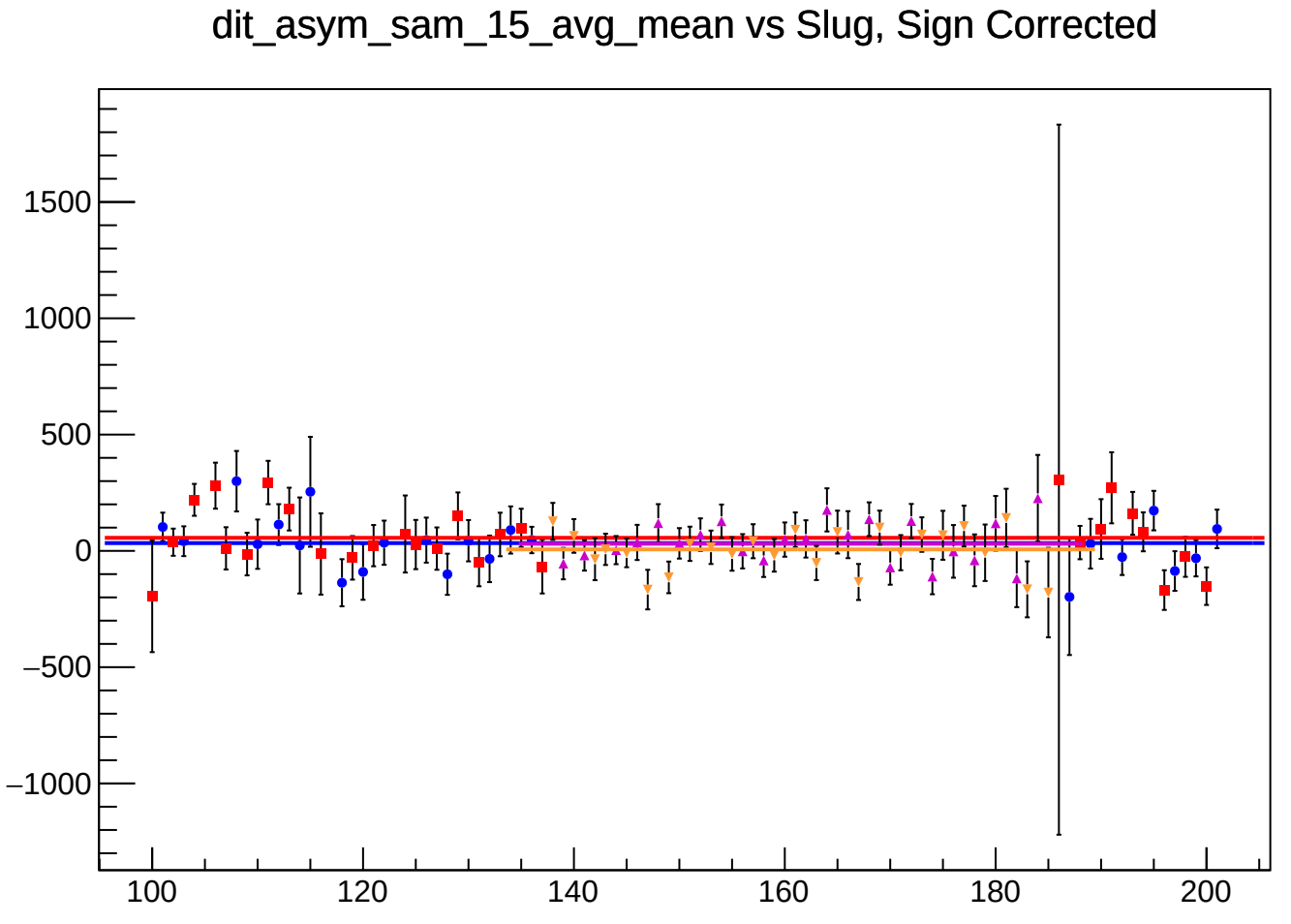
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 122.258+/-0.022 χ^2/NDF: 20736452.6/50

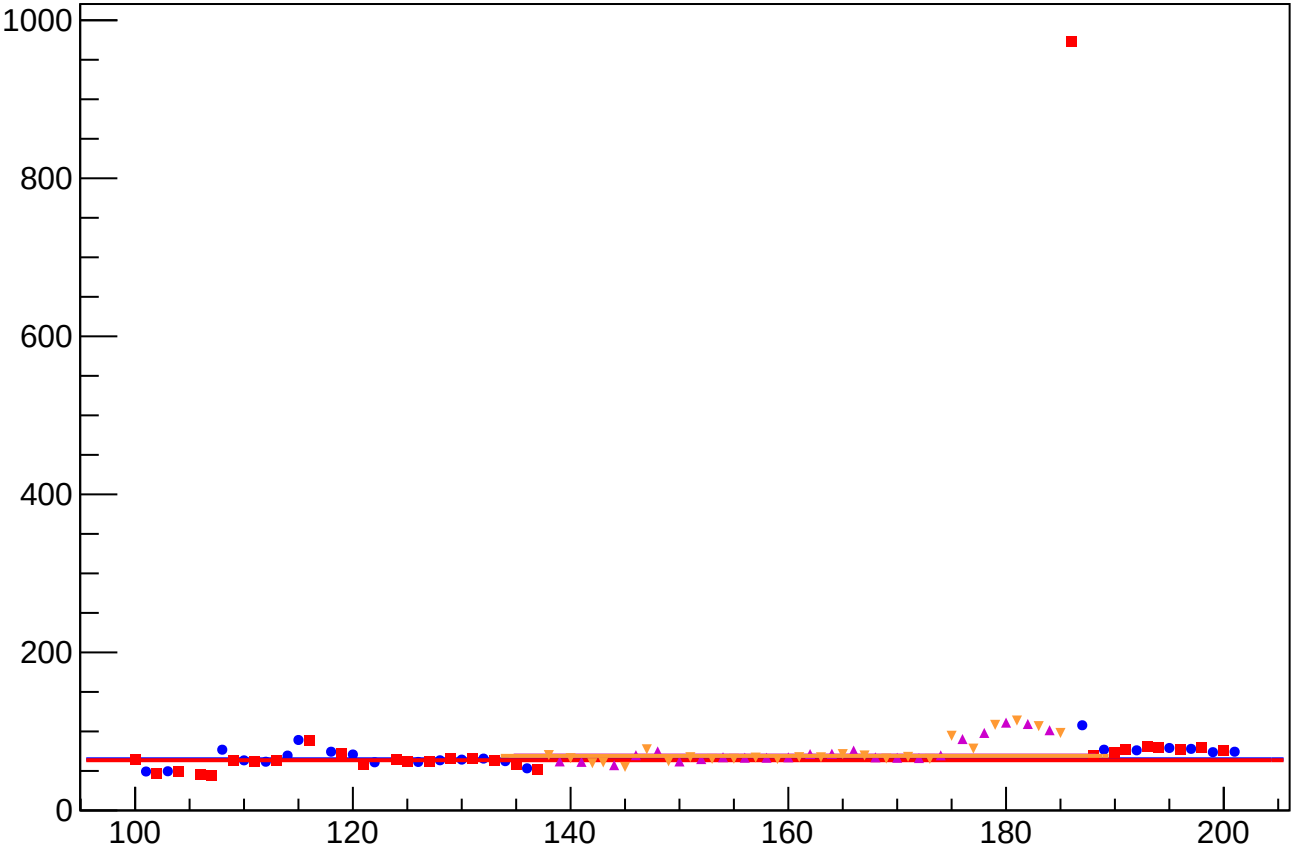
In: 163.353+/-0.027 χ^2/NDF:23547293.4/45

Out: 187.213+/-0.028 χ^2/NDF:20293593.5/52

All: 174.856+/-0.019 χ^2/NDF: 44218359.8/98


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 33.460+/-18.799 χ²/NDF: 21.6/22
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 56.092+/-17.867 χ²/NDF: 44.0/27
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 45.351+/-12.951 χ²/NDF: 66.4/50
In: 31.880+/-12.402 χ²/NDF:44.1/45
Out: 28.518+/-11.910 χ²/NDF:73.4/52
All: 30.131+/-8.590 χ²/NDF: 117.5/98

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: 63.585+/-0.013 χ^2/NDF: 1561109.9/27

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

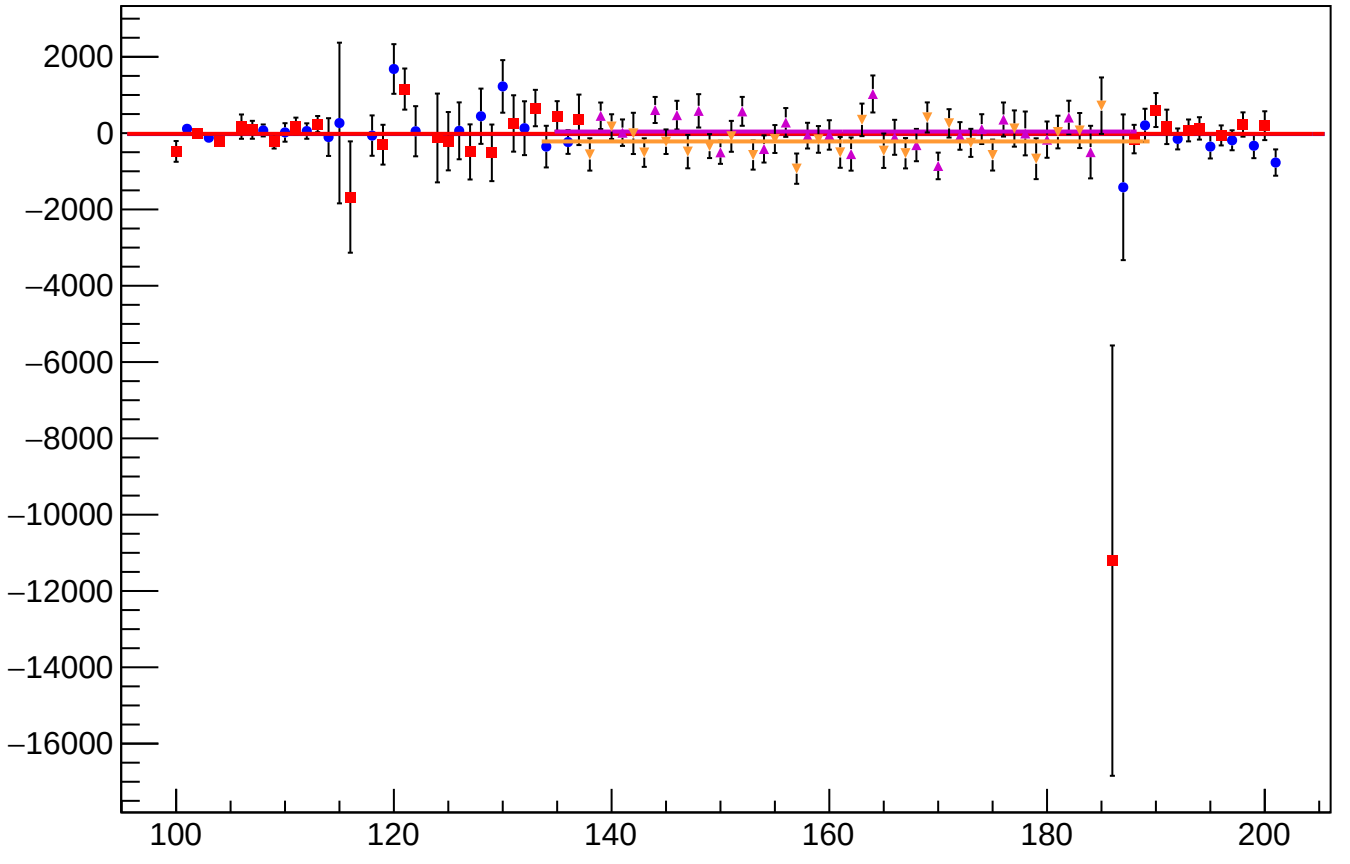
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.137+/-0.009 χ^2/NDF: 2243370.8/50

In: 67.395+/-0.009 χ^2/NDF:1673126.6/45

Out: 66.638+/-0.008 χ^2/NDF:2740151.9/52

All: 67.001+/-0.006 χ^2/NDF: 4417161.9/98



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: -18.464+/-48.477 χ^2/NDF: 29.2/27

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

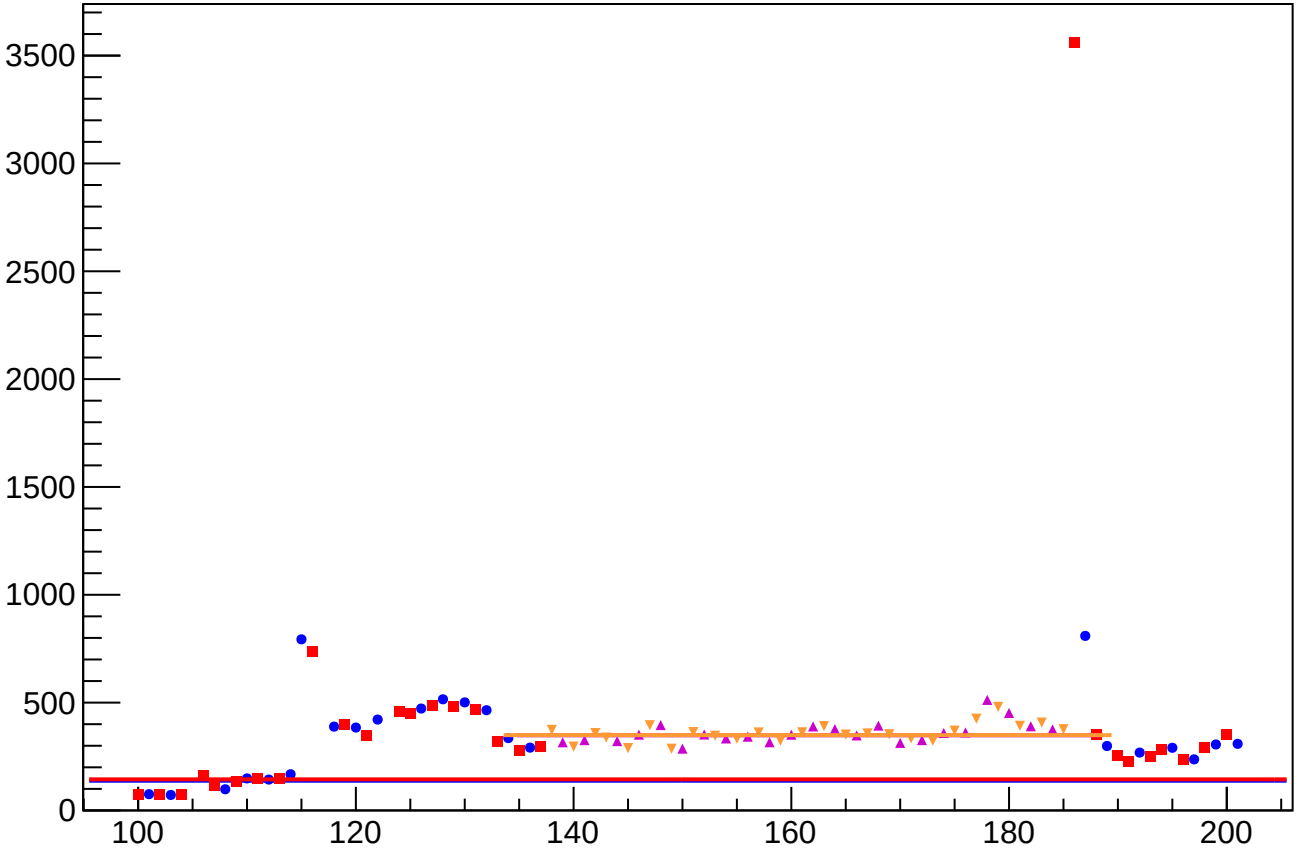
Right: -21.431+/-34.598 χ^2/NDF: 52.6/50

In: -7.013+/-42.346 χ^2/NDF:53.9/45

Out: -71.749+/-41.478 χ^2/NDF:53.0/52

All: -40.052+/-29.631 χ^2/NDF: 108.1/98

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: 144.225+/-0.034 χ^2/NDF: 9226819.9/27

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

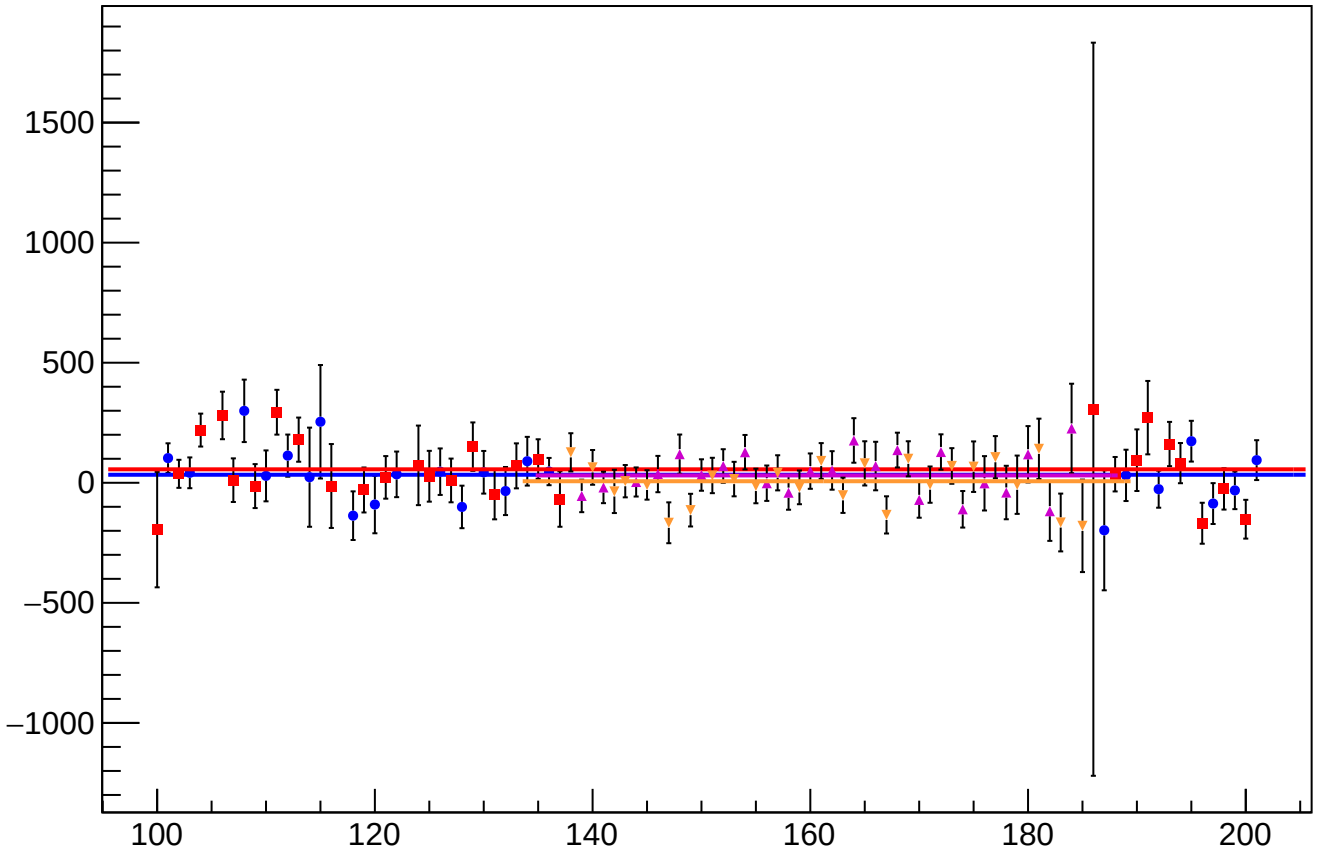
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 141.150+/-0.024 χ^2/NDF: 18051252.1/50

In: 193.773+/-0.030 χ^2/NDF:18969651.8/45

Out: 199.135+/-0.029 χ^2/NDF:19328784.5/52

All: 196.509+/-0.021 χ^2/NDF: 38314800.0/98



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: 56.092+/-17.867 χ^2/NDF: 44.0/27

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

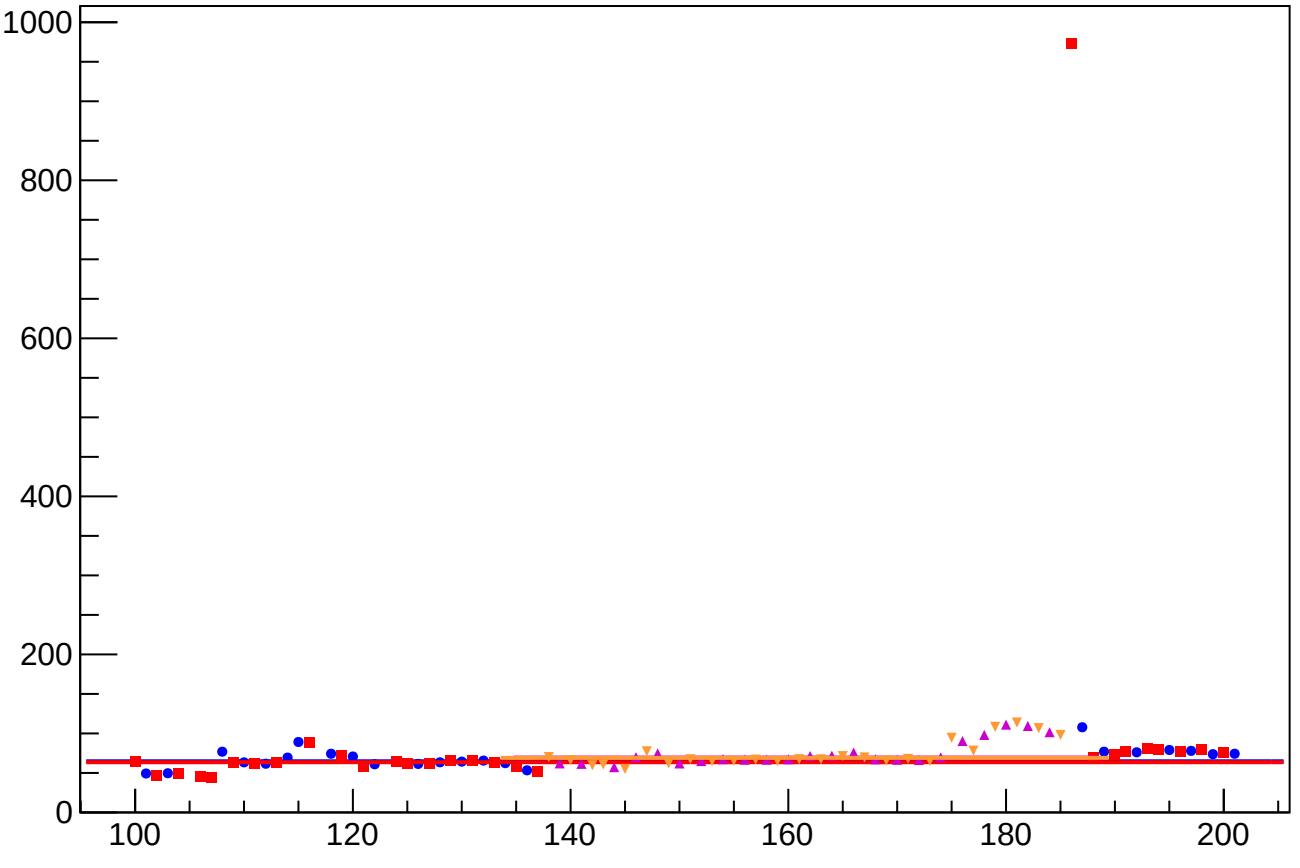
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 45.351+/-12.951 χ^2/NDF: 66.4/50

In: 31.880+/-12.402 χ^2/NDF:44.1/45

Out: 28.518+/-11.910 χ^2/NDF:73.4/52

All: 30.131+/-8.590 χ^2/NDF: 117.5/98



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: 63.585+/-0.013 χ^2/NDF: 1561107.8/27

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

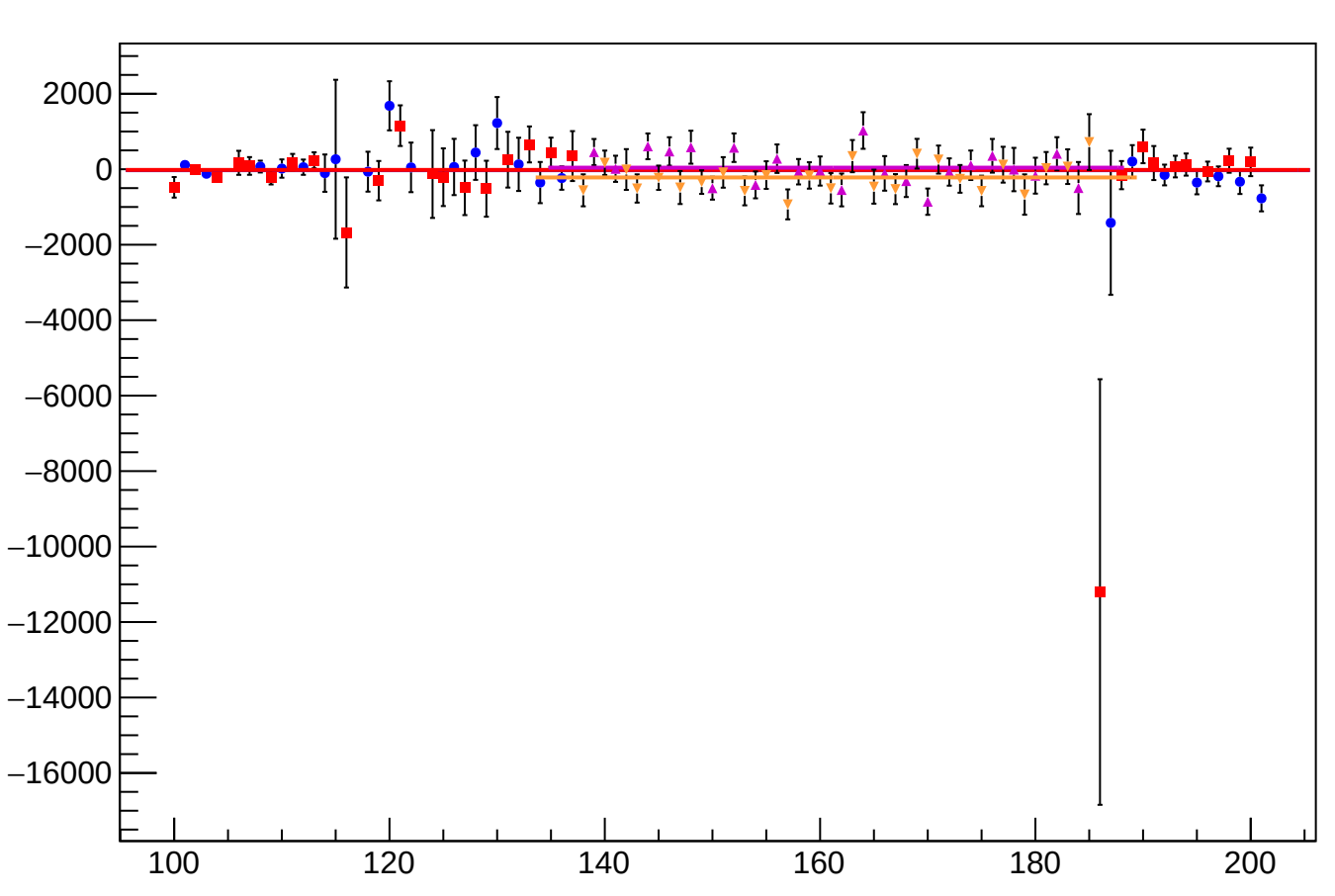
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.137+/-0.009 χ^2/NDF: 2243368.6/50

In: 67.395+/-0.009 χ^2/NDF:1673117.5/45

Out: 66.638+/-0.008 χ^2/NDF:2740138.0/52

All: 67.001+/-0.006 χ^2/NDF: 4417139.3/98



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: -18.464+/-48.477 χ^2/NDF: 29.2/27

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

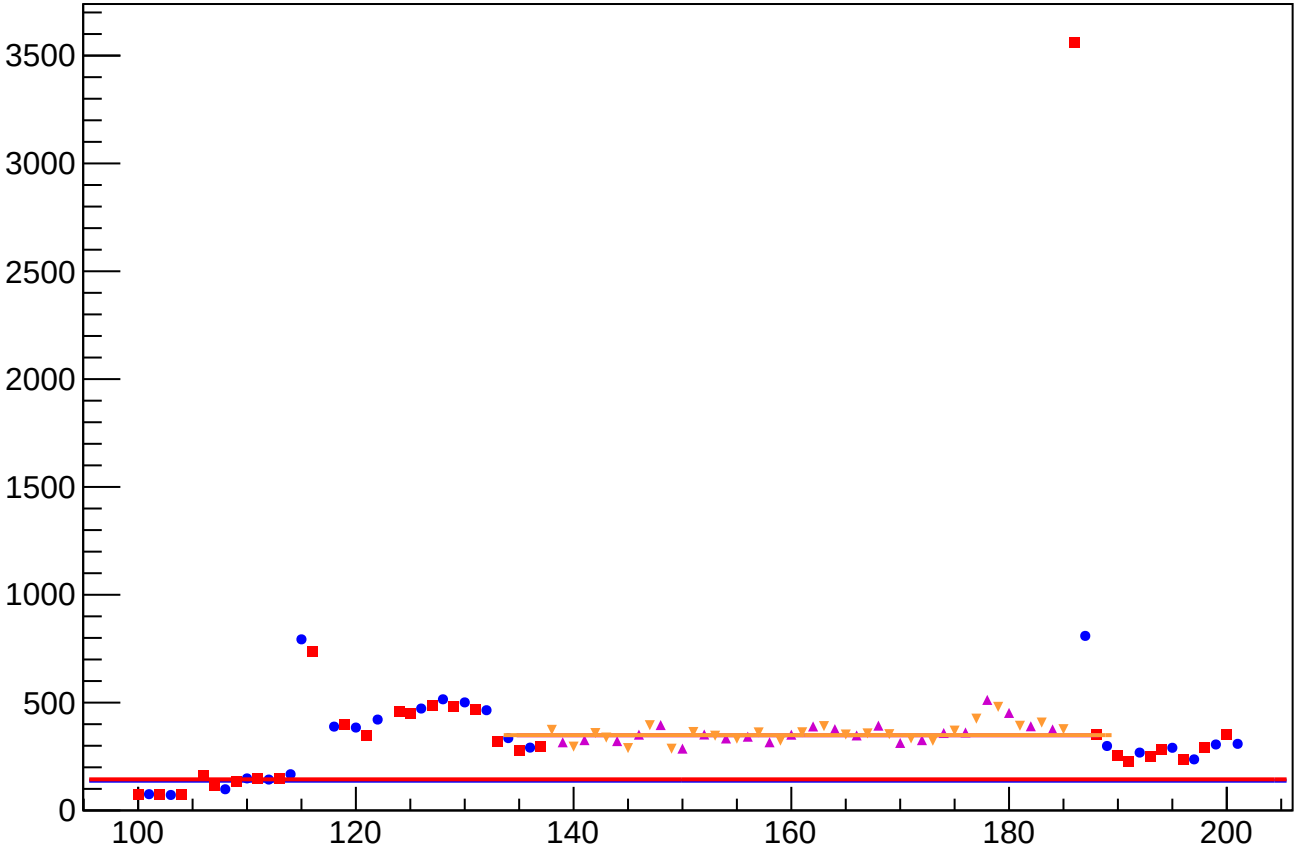
Right: -21.431+/-34.598 χ^2/NDF: 52.6/50

In: -7.013+/-42.346 χ^2/NDF:53.9/45

Out: -71.748+/-41.478 χ^2/NDF:53.0/52

All: -40.052+/-29.631 χ^2/NDF: 108.1/98

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: 144.224+/-0.034 χ^2/NDF: 9226855.9/27

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

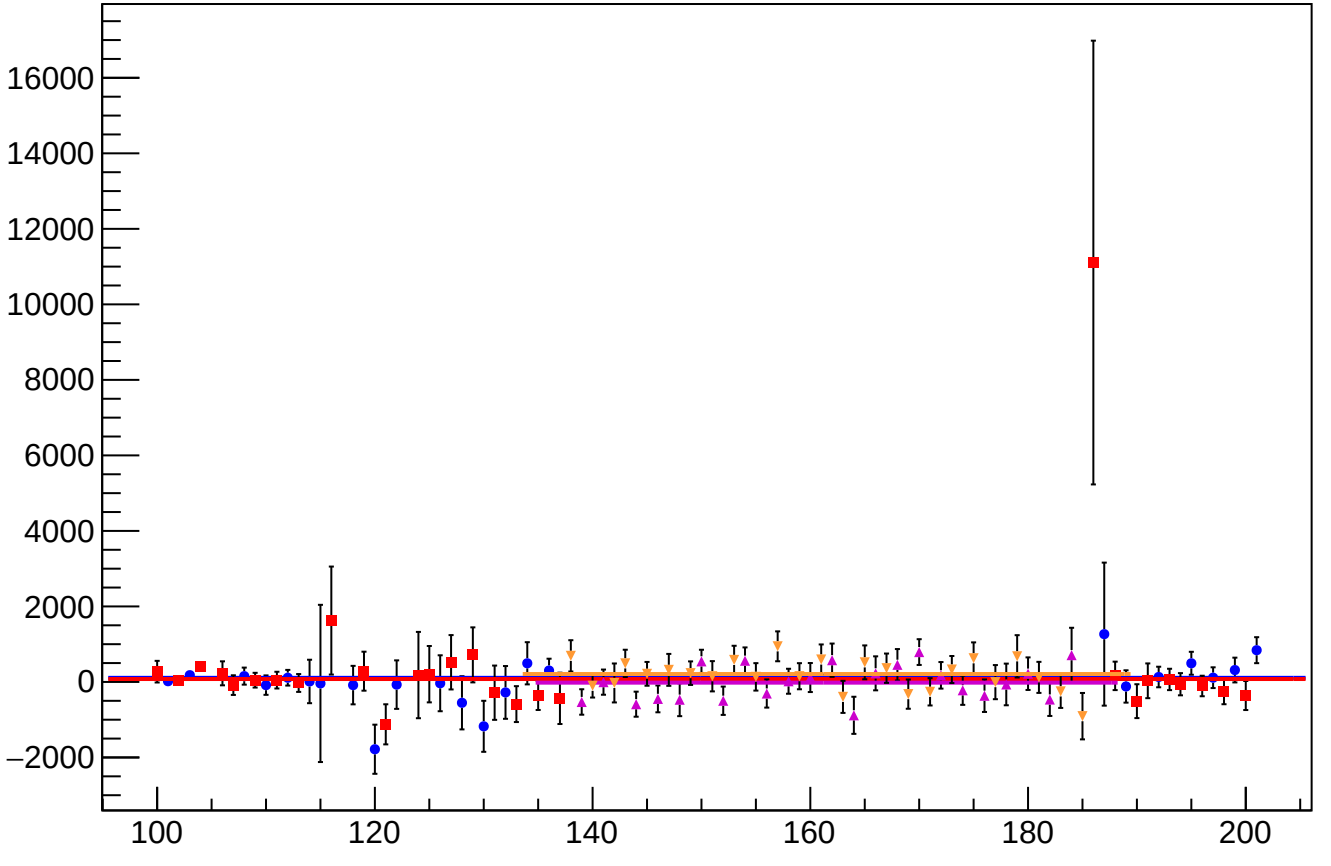
Right: 141.149+/-0.024 χ^2/NDF: 18051300.4/50

In: 193.773+/-0.030 χ^2/NDF:18969724.4/45

Out: 199.134+/-0.029 χ^2/NDF:19328891.8/52

All: 196.509+/-0.021 χ^2/NDF: 38314979.2/98

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: 77.496+/-52.110 χ^2/NDF: 30.0/27

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

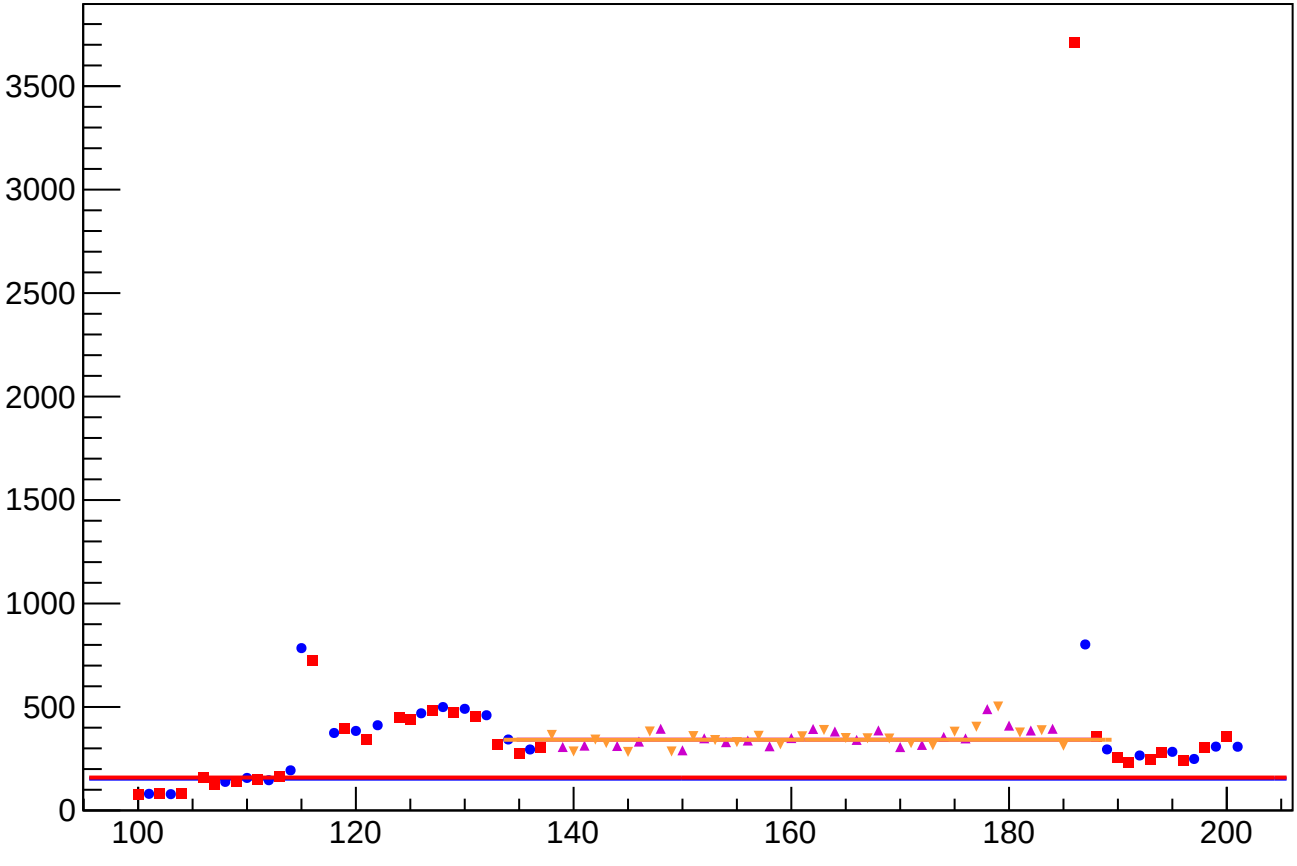
Right: 92.604+/-37.400 χ^2/NDF: 53.6/50

In: 69.547+/-44.712 χ^2/NDF:57.2/45

Out: 117.962+/-43.417 χ^2/NDF:53.4/52

All: 94.466+/-31.148 χ^2/NDF: 111.2/98

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: 159.023+/-0.037 χ^2/NDF: 8236026.3/27

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

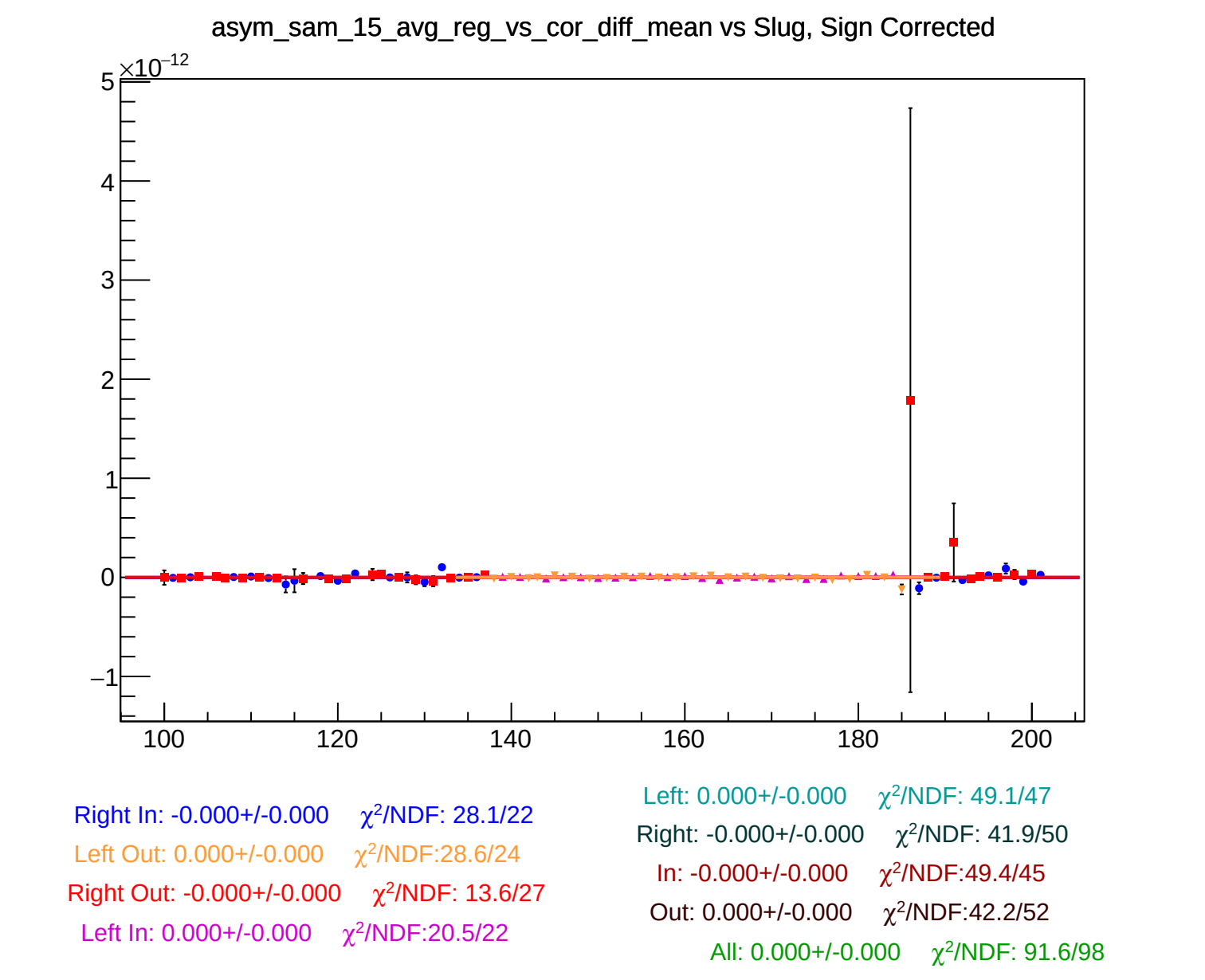
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 156.437+/-0.026 χ^2/NDF: 16140151.2/50

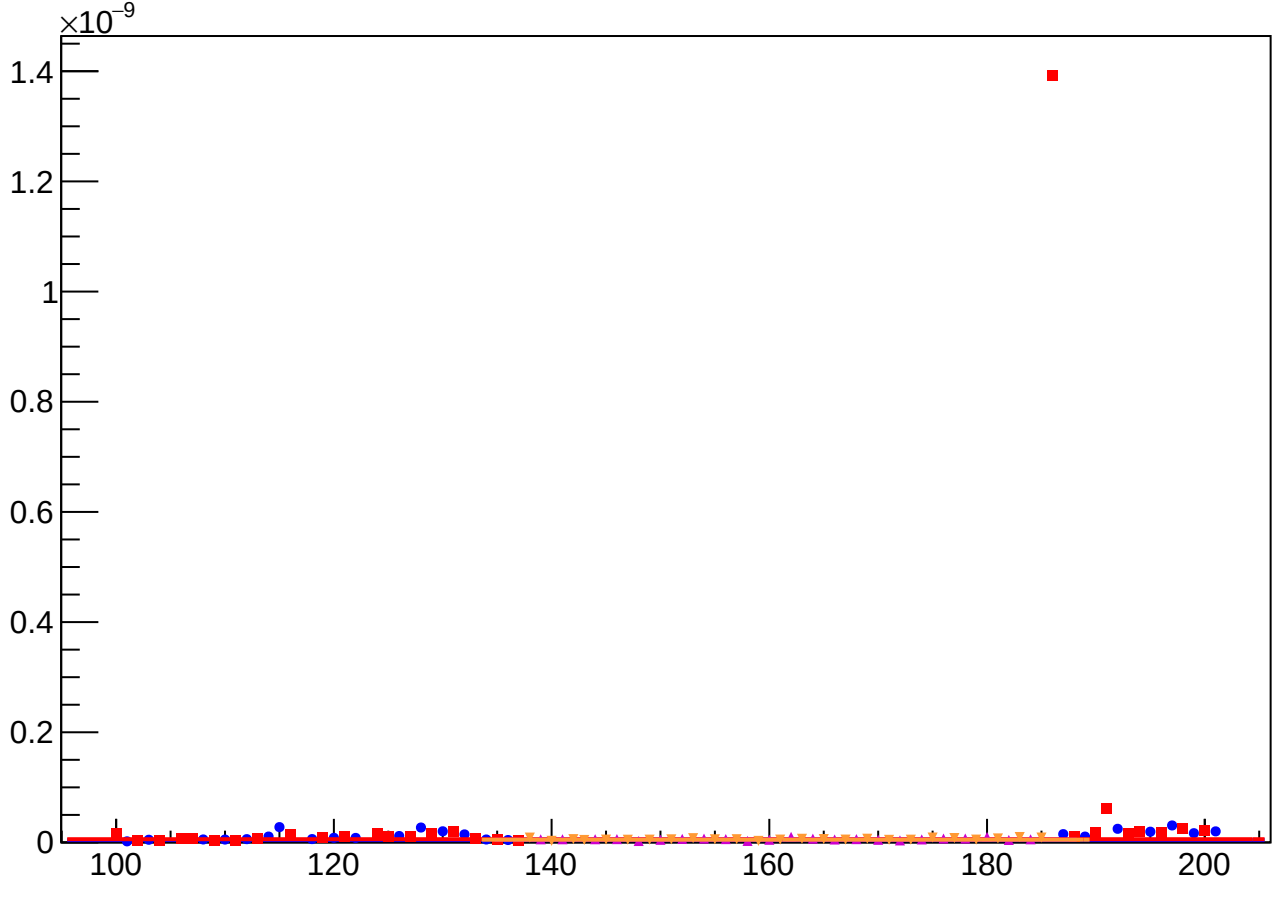
In: 211.479+/-0.032 χ^2/NDF:15922148.7/45

Out: 214.853+/-0.031 χ^2/NDF:16297227.2/52

All: 213.215+/-0.022 χ^2/NDF: 32225237.3/98


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: 13.6/27
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: 41.9/50
In: -0.000+/-0.000 χ²/NDF:49.4/45
Out: 0.000+/-0.000 χ²/NDF:42.2/52
All: 0.000+/-0.000 χ²/NDF: 91.6/98

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: 4036603.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

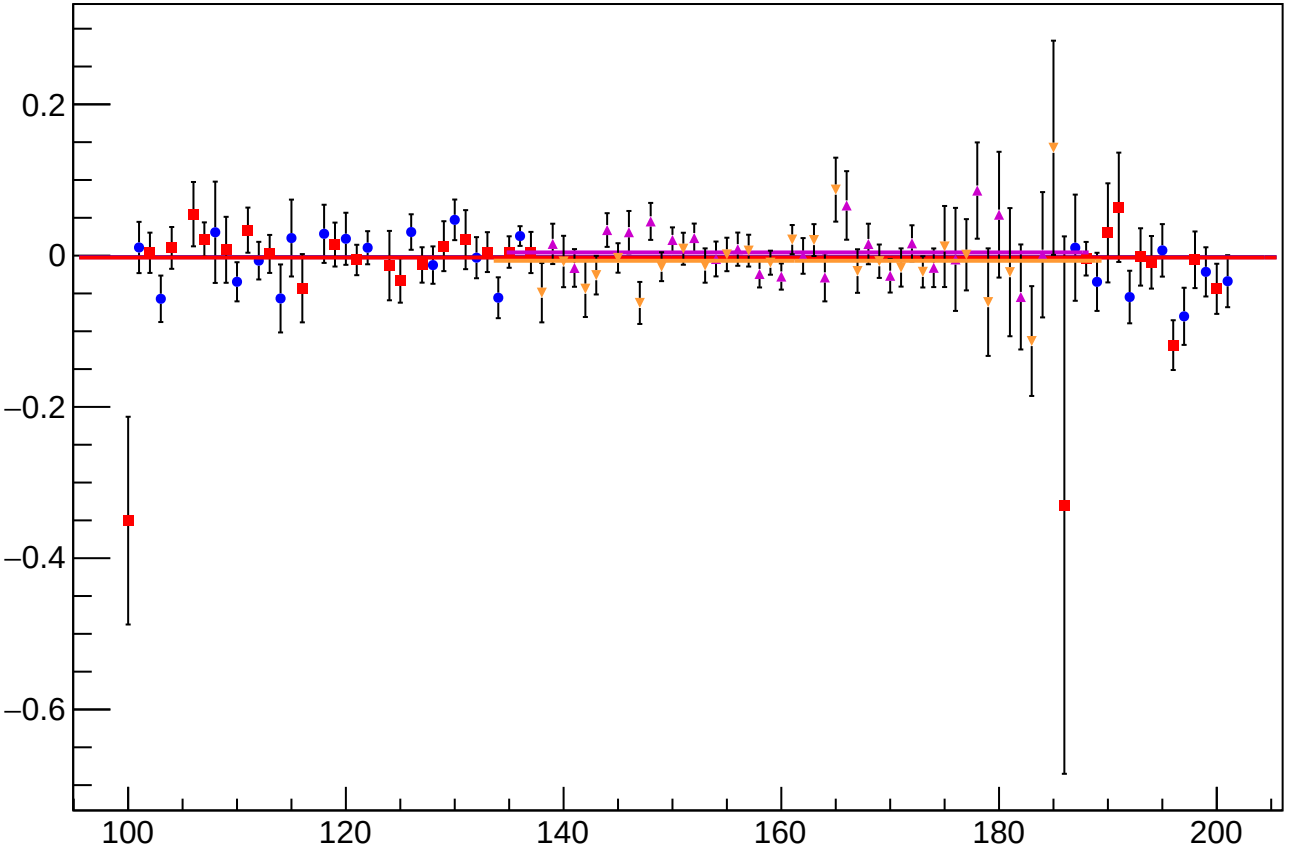
Right: 0.000+/-0.000 χ^2/NDF: 9366327.8/50

In: 0.000+/-0.000 χ^2/NDF:6314090.5/45

Out: 0.000+/-0.000 χ^2/NDF:5438680.5/52

All: 0.000+/-0.000 χ^2/NDF: 11890854.0/98

asym_sam_15_avg_dit_vs_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: -0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

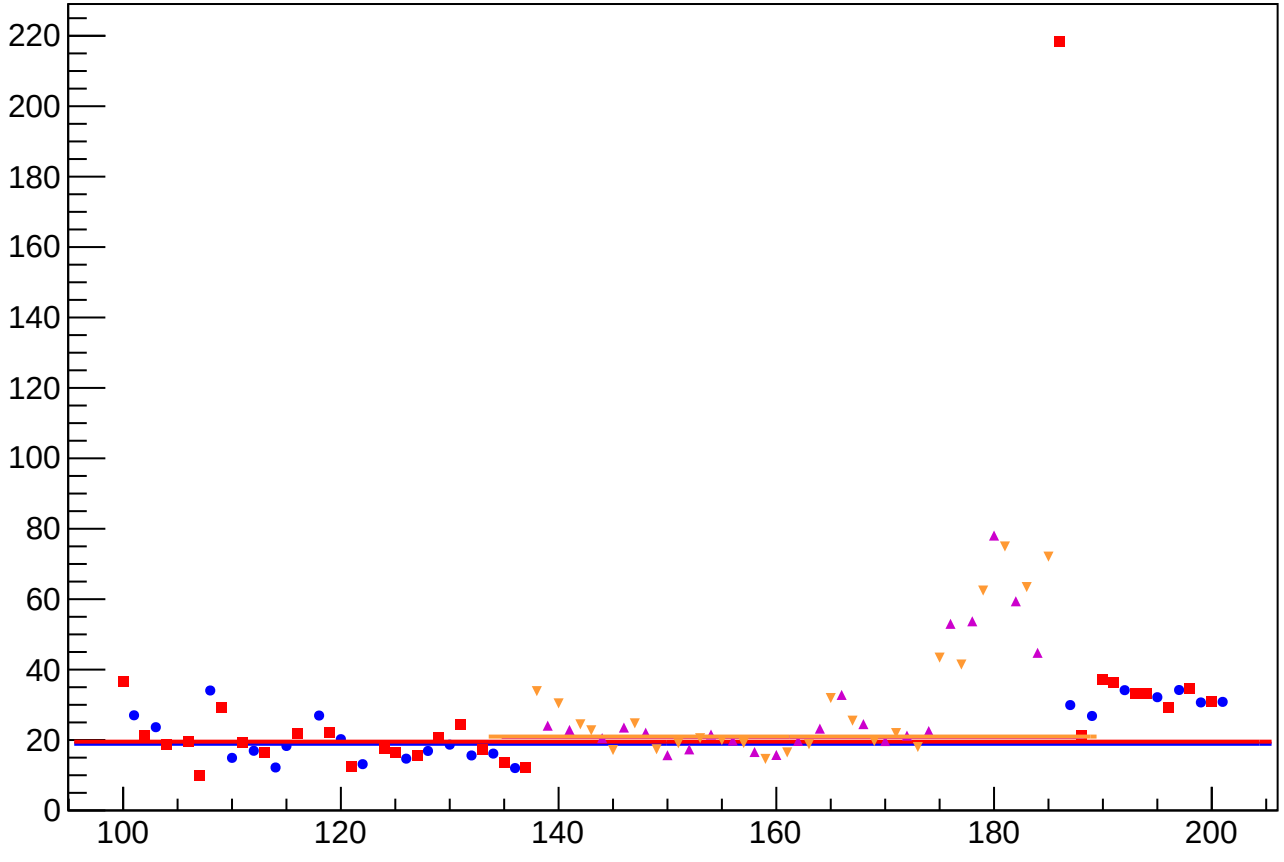
Right: -0.002+/-0.004 χ^2/NDF: 61.5/50

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 108.6/98

asym_sam_15_avg_dit_vs_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: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

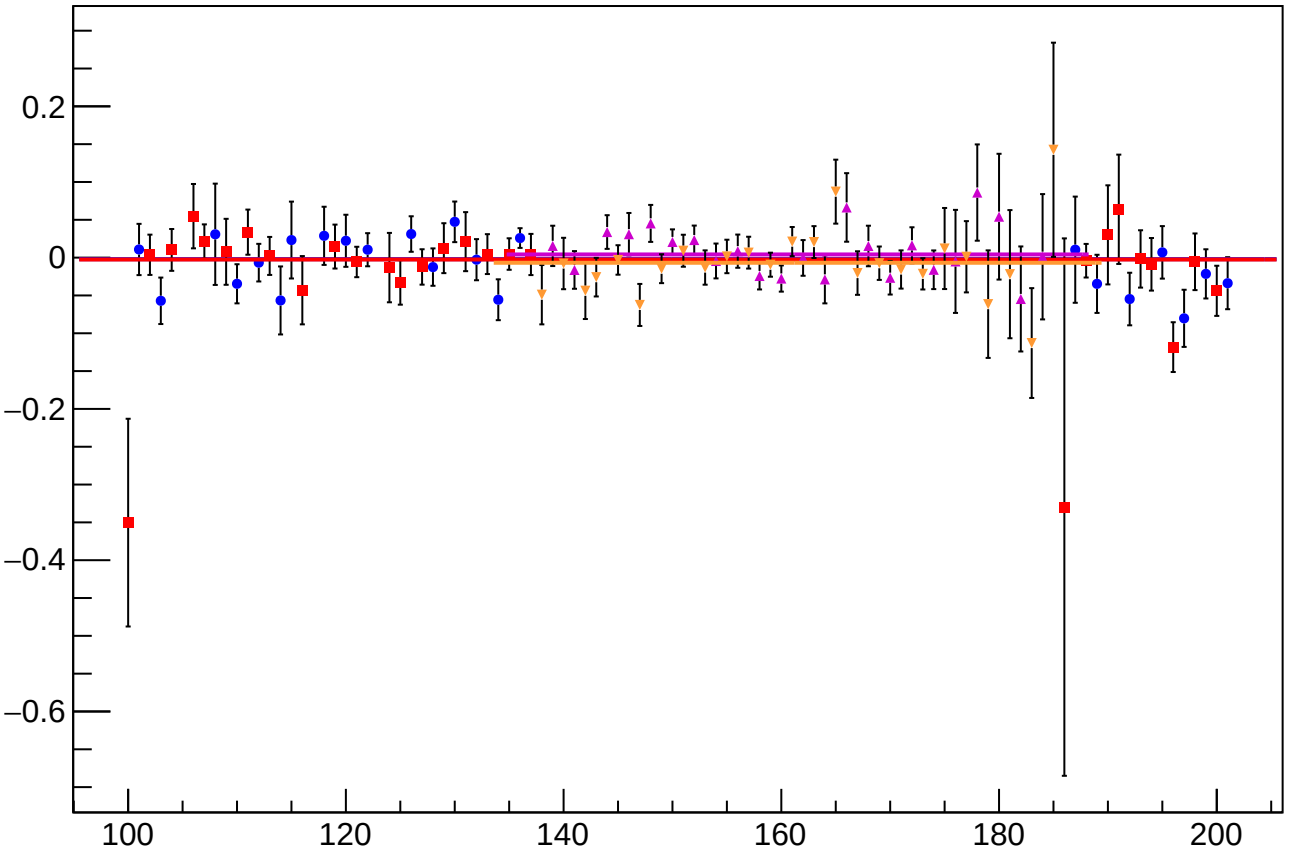
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.241+/-0.003 χ^2/NDF: 6342514.6/50

In: 20.014+/-0.003 χ^2/NDF:6574875.7/45

Out: 20.342+/-0.003 χ^2/NDF:7945036.3/52

All: 20.181+/-0.002 χ^2/NDF: 14526929.1/98



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: -0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

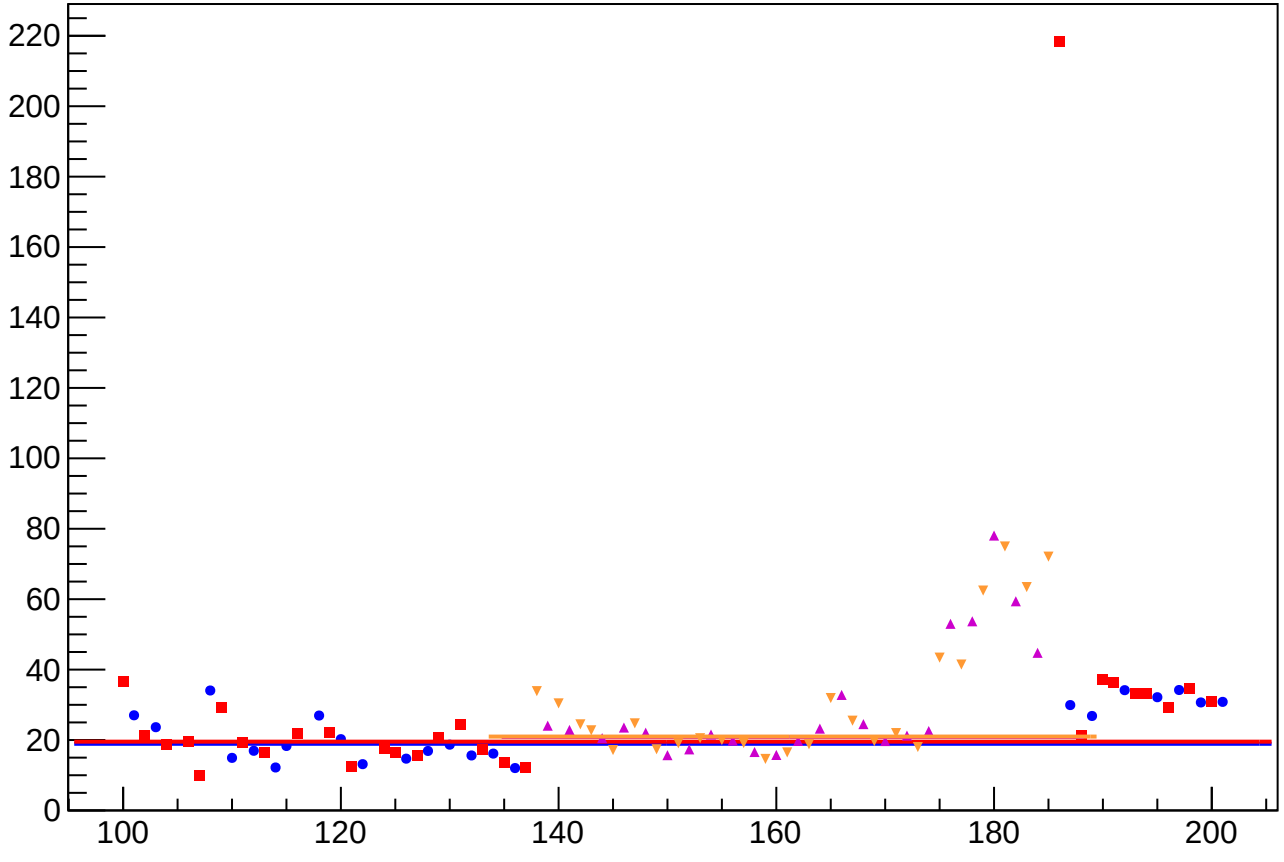
Right: -0.002+/-0.004 χ^2/NDF: 61.5/50

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 108.6/98

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: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

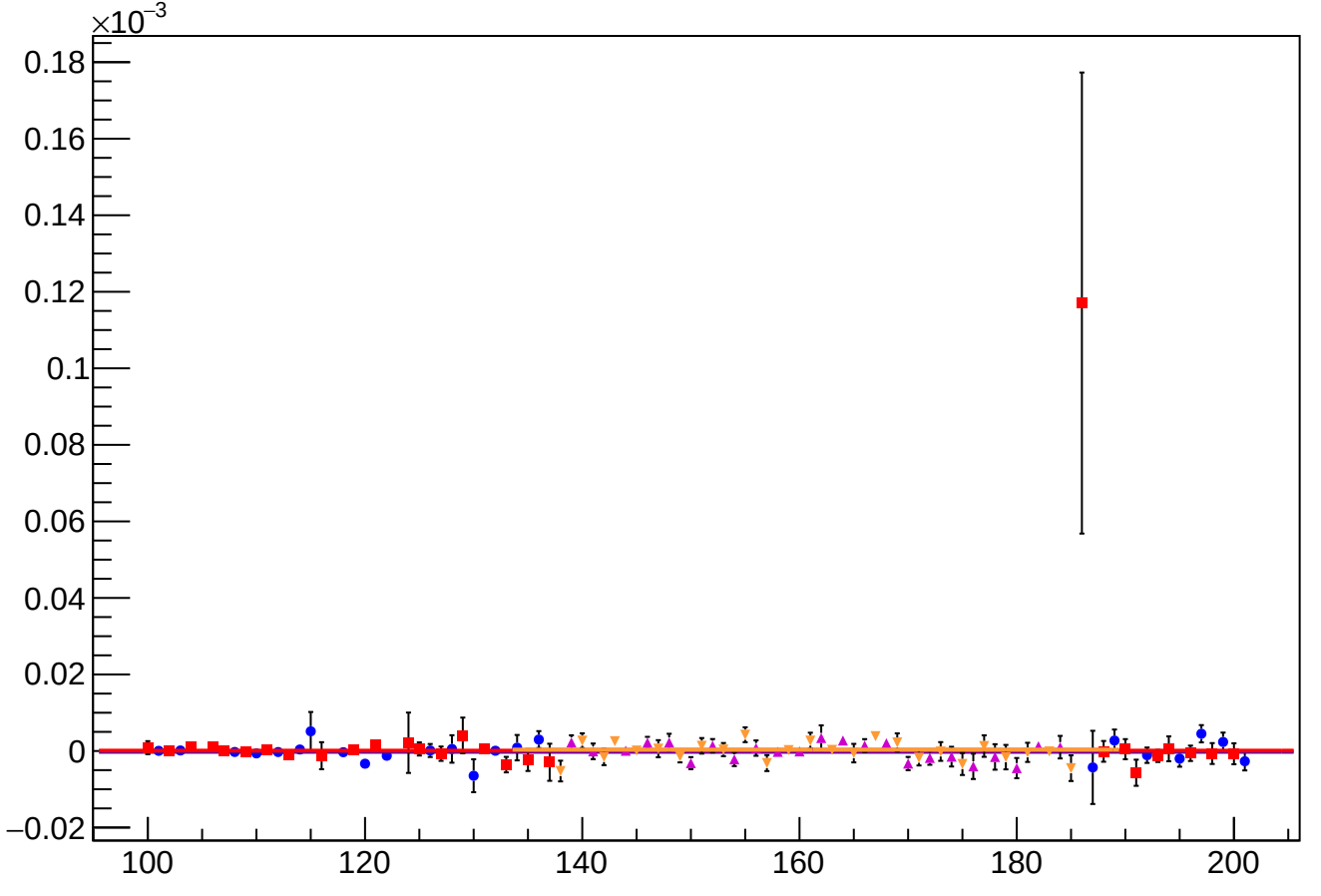
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.241+/-0.003 χ^2/NDF: 6342514.6/50

In: 20.014+/-0.003 χ^2/NDF:6574875.7/45

Out: 20.342+/-0.003 χ^2/NDF:7945036.3/52

All: 20.181+/-0.002 χ^2/NDF: 14526929.1/98



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: 28.0/27

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

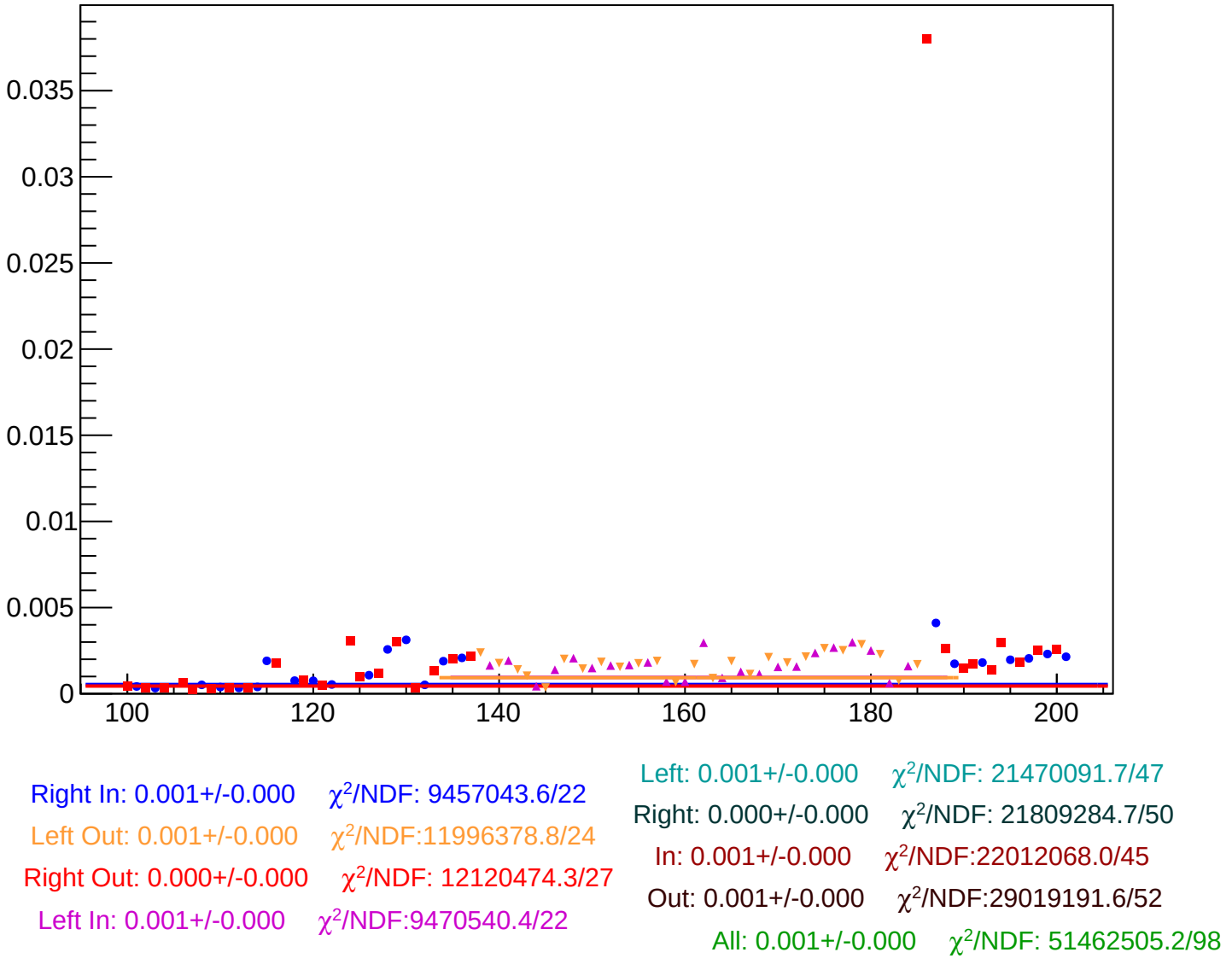
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

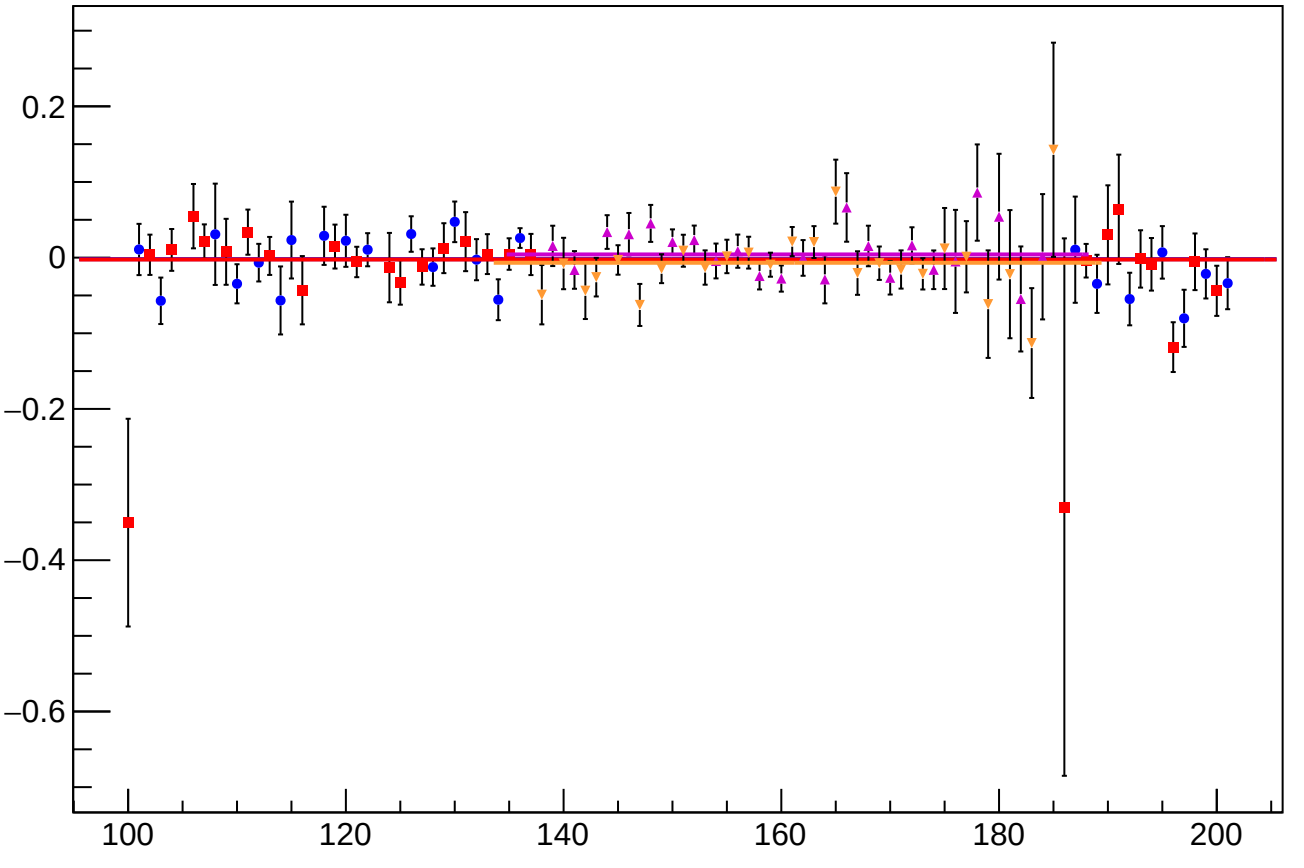
Right: -0.000+/-0.000 χ^2/NDF: 52.2/50

In: -0.000+/-0.000 χ^2/NDF:56.6/45

Out: 0.000+/-0.000 χ^2/NDF:63.0/52

All: 0.000+/-0.000 χ^2/NDF: 120.4/98


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: 12120474.3/27
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: 21809284.7/50
In: 0.001+/-0.000 χ²/NDF:22012068.0/45
Out: 0.001+/-0.000 χ²/NDF:29019191.6/52
All: 0.001+/-0.000 χ²/NDF: 51462505.2/98



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: -0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

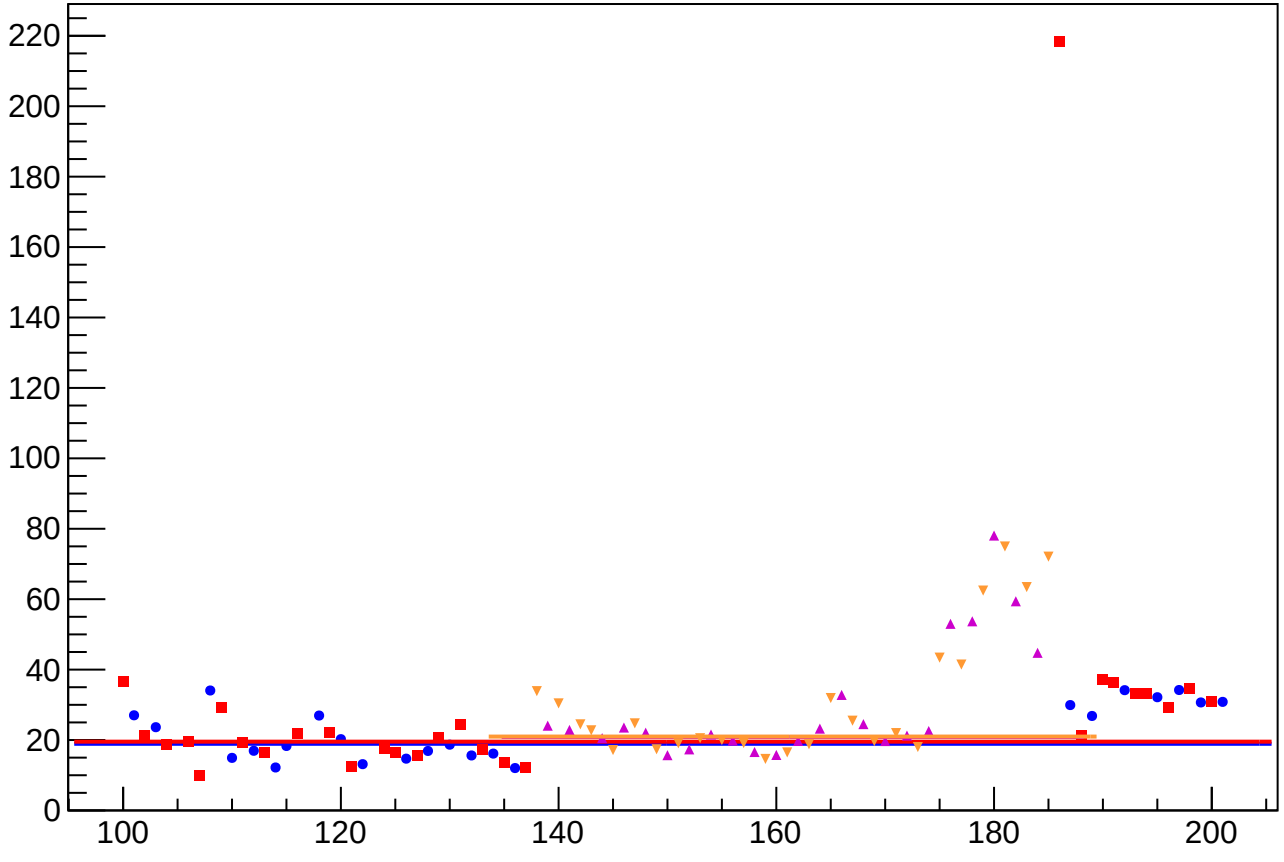
Right: -0.002+/-0.004 χ^2/NDF: 61.5/50

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 108.7/98

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: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

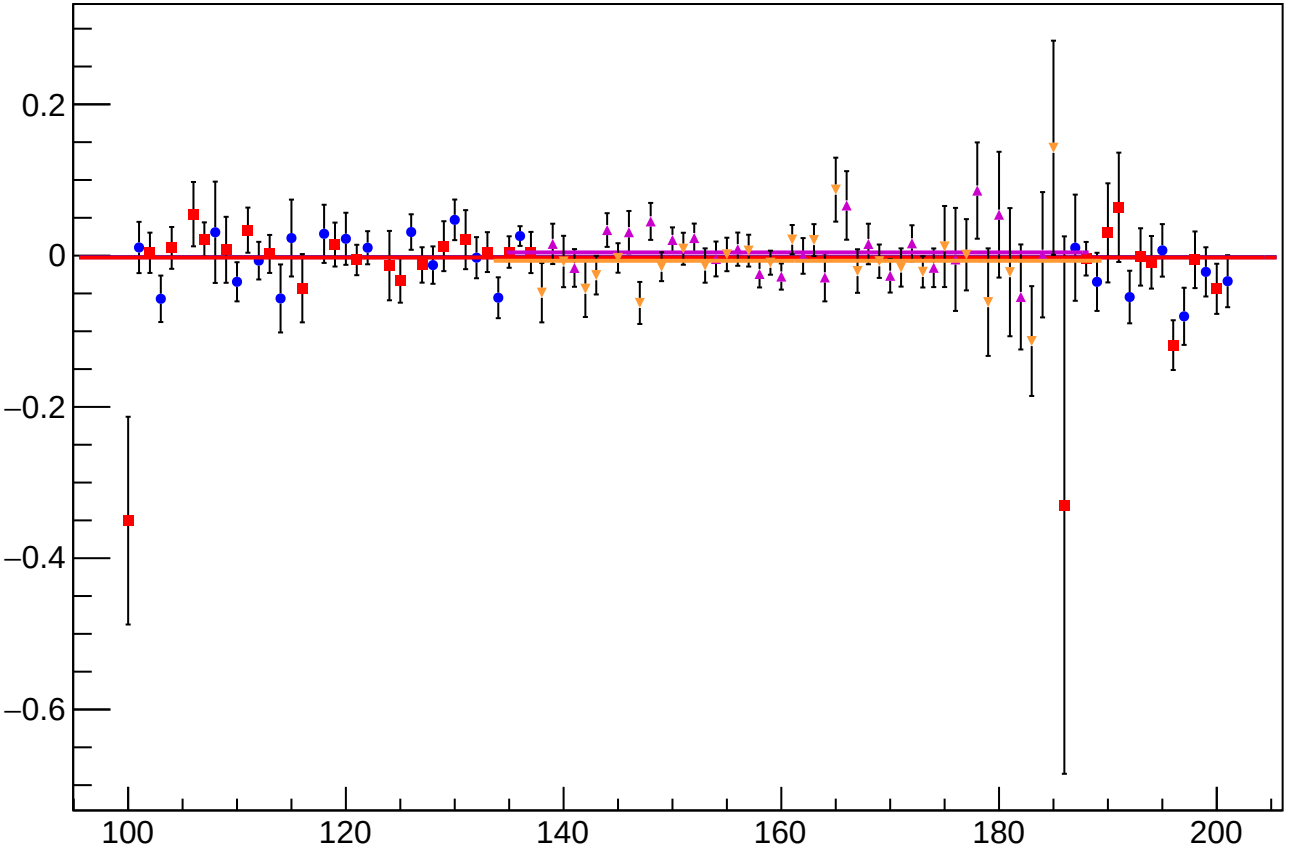
Right: 19.241+/-0.003 χ^2/NDF: 6342562.9/50

In: 20.014+/-0.003 χ^2/NDF:6574976.4/45

Out: 20.342+/-0.003 χ^2/NDF:7945071.7/52

All: 20.181+/-0.002 χ^2/NDF: 14527065.7/98

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: -0.002+/-0.006 χ^2/NDF: 30.4/27

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

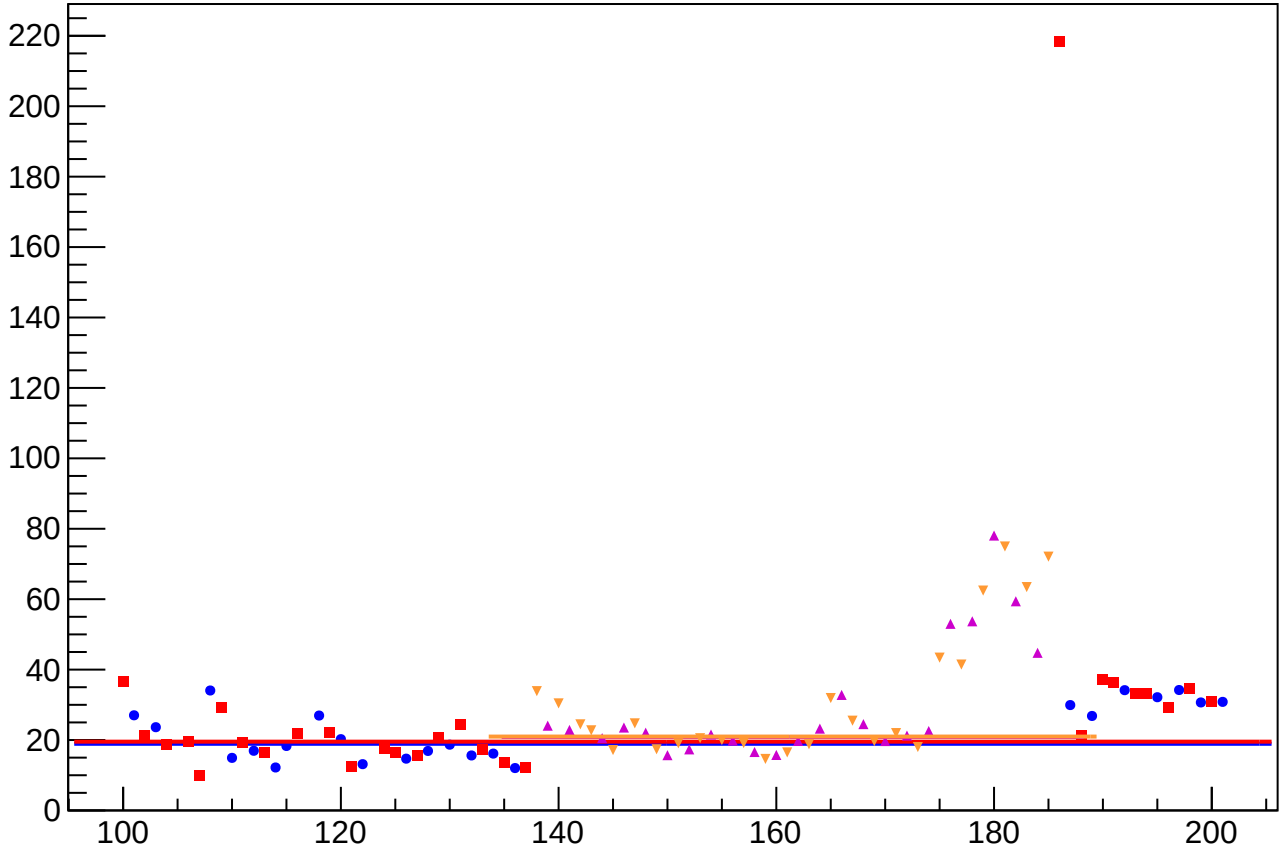
Right: -0.002+/-0.004 χ^2/NDF: 61.5/50

In: 0.001+/-0.004 χ^2/NDF:54.9/45

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 108.7/98

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: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

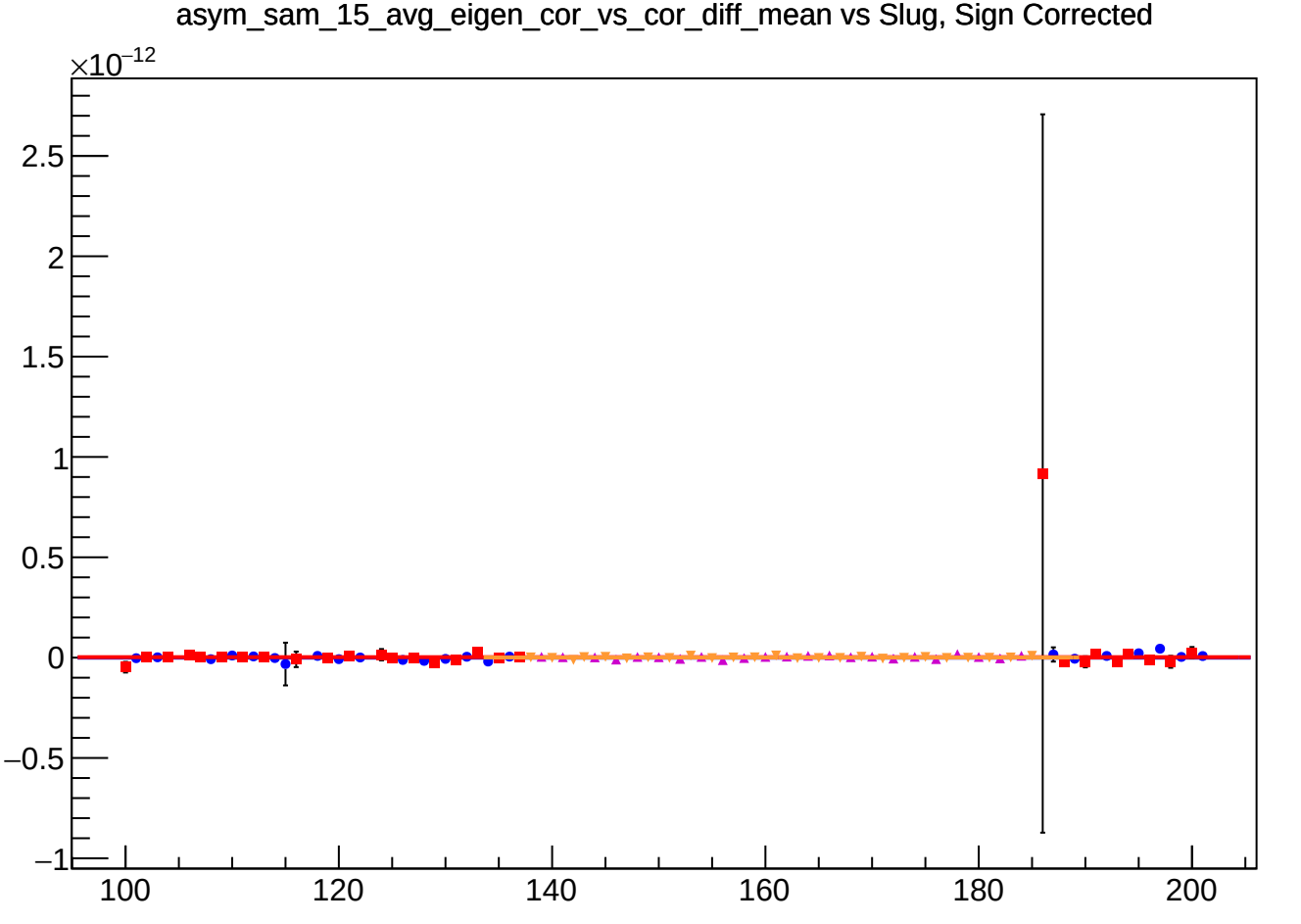
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.241+/-0.003 χ^2/NDF: 6342562.9/50

In: 20.014+/-0.003 χ^2/NDF:6574976.4/45

Out: 20.342+/-0.003 χ^2/NDF:7945071.7/52

All: 20.181+/-0.002 χ^2/NDF: 14527065.7/98



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: 22.2/27

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

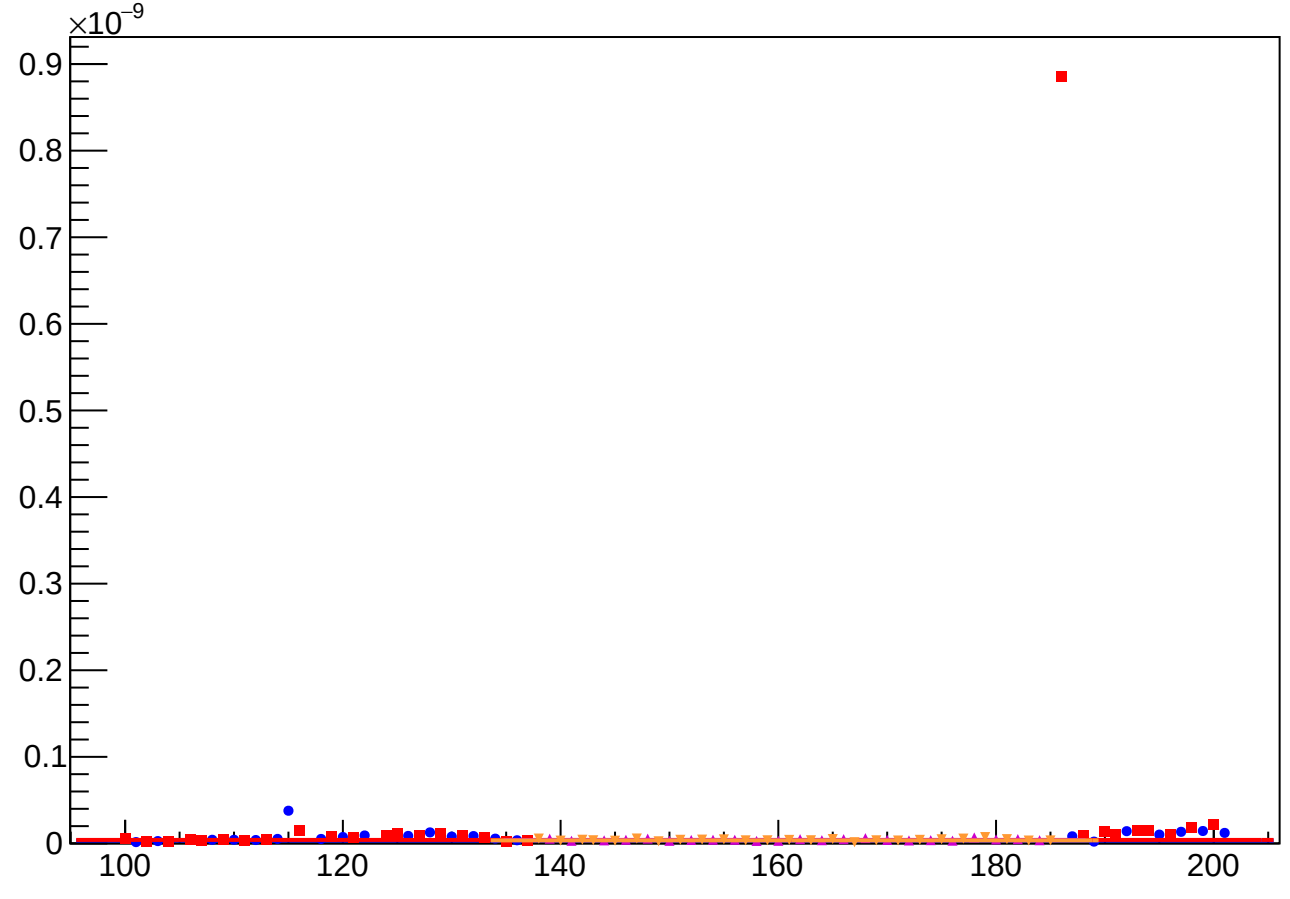
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/50

In: 0.000+/-0.000 χ^2/NDF:45.4/45

Out: 0.000+/-0.000 χ^2/NDF:37.5/52

All: 0.000+/-0.000 χ^2/NDF: 83.1/98



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: 6628509.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

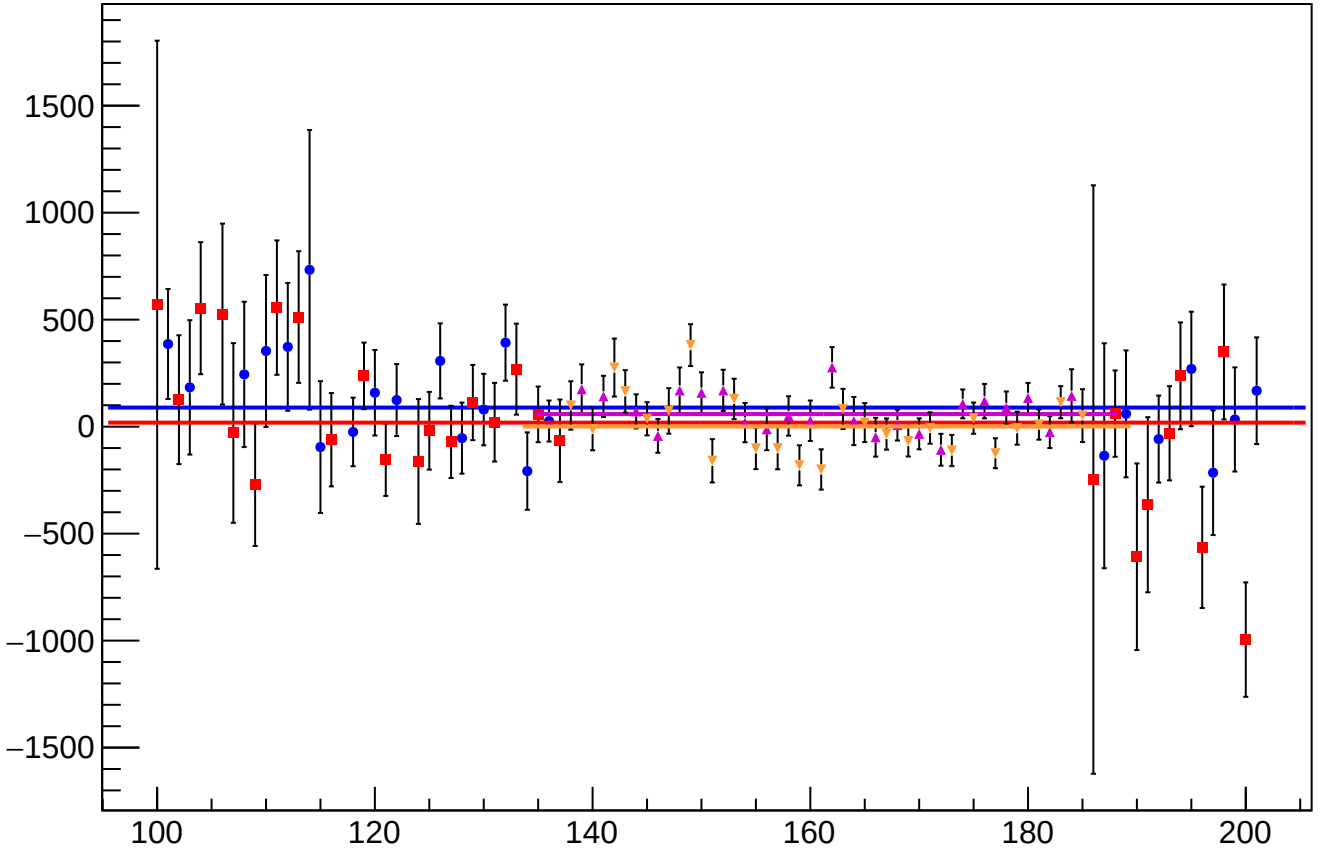
Right: 0.000+/-0.000 χ^2/NDF: 12433283.5/50

In: 0.000+/-0.000 χ^2/NDF:6981738.7/45

Out: 0.000+/-0.000 χ^2/NDF:9292828.9/52

All: 0.000+/-0.000 χ^2/NDF: 16275877.7/98

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: 18.685+/-43.832 χ^2/NDF: 40.7/27

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

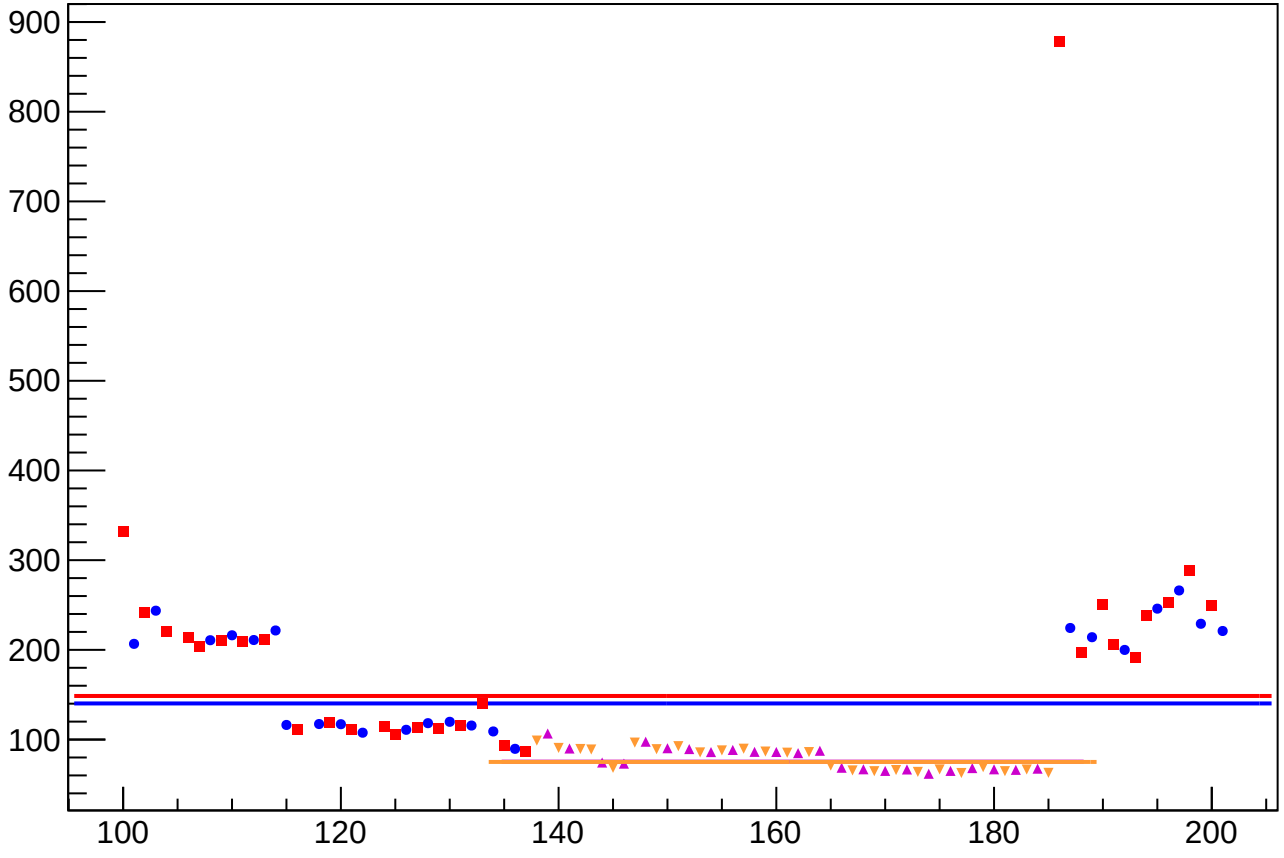
Right: 54.498+/-30.727 χ^2/NDF: 57.8/50

In: 63.342+/-16.514 χ^2/NDF:42.1/45

Out: 3.040+/-16.108 χ^2/NDF:89.4/52

All: 32.441+/-11.531 χ^2/NDF: 138.3/98

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: 148.585+/-0.031 χ^2/NDF: 3965132.3/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

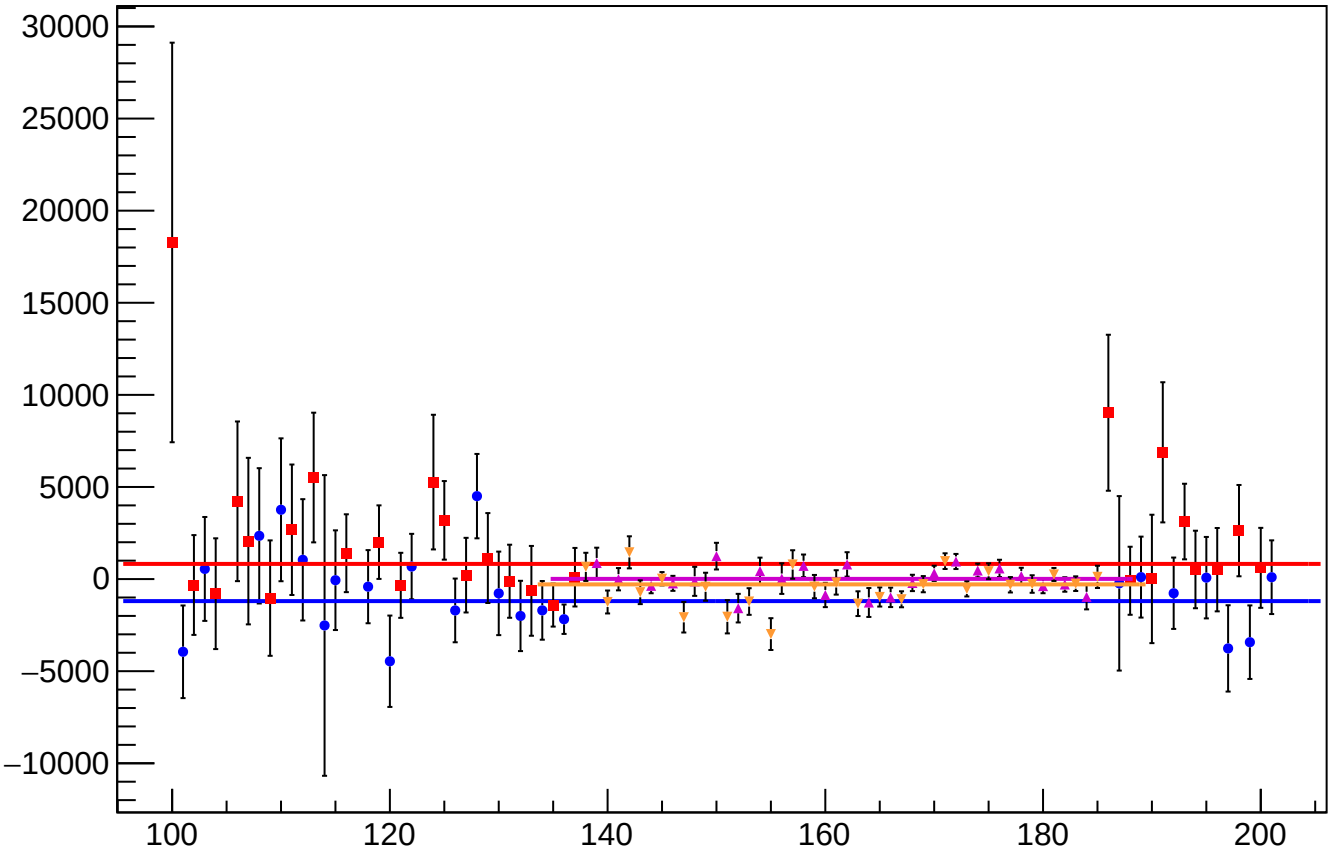
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 144.350+/-0.022 χ^2/NDF: 7113843.1/50

In: 84.887+/-0.012 χ^2/NDF:7821524.0/45

Out: 84.973+/-0.011 χ^2/NDF:9763324.9/52

All: 84.931+/-0.008 χ^2/NDF: 17584877.0/98



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: 823.226+/-438.214 χ^2/NDF: 22.7/27

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

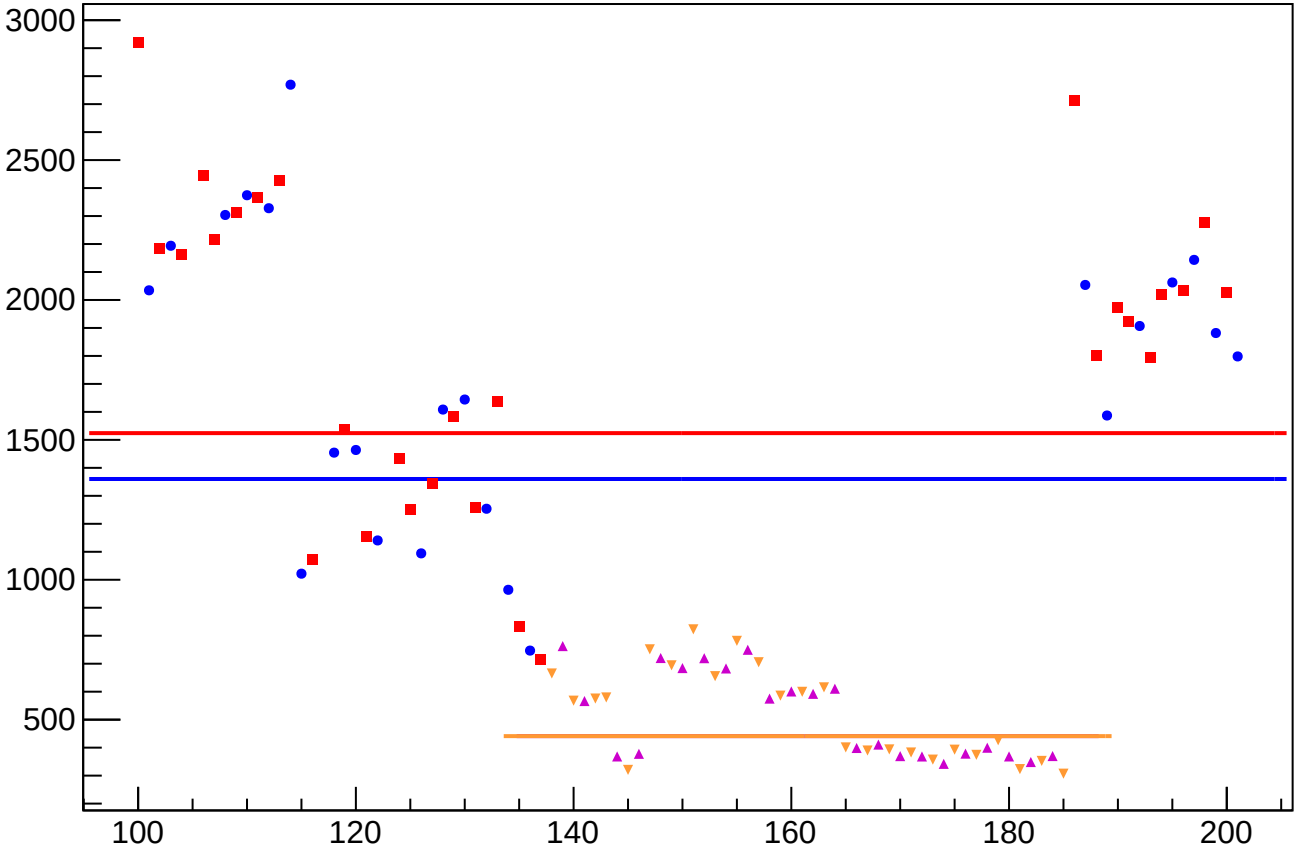
Right: -237.699+/-301.877 χ^2/NDF: 53.4/50

In: -64.951+/-104.242 χ^2/NDF:60.8/45

Out: -227.489+/-102.322 χ^2/NDF:82.1/52

All: -147.730+/-73.022 χ^2/NDF: 144.2/98

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: 1524.115+/-0.310 χ^2/NDF: 3035166.6/27

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

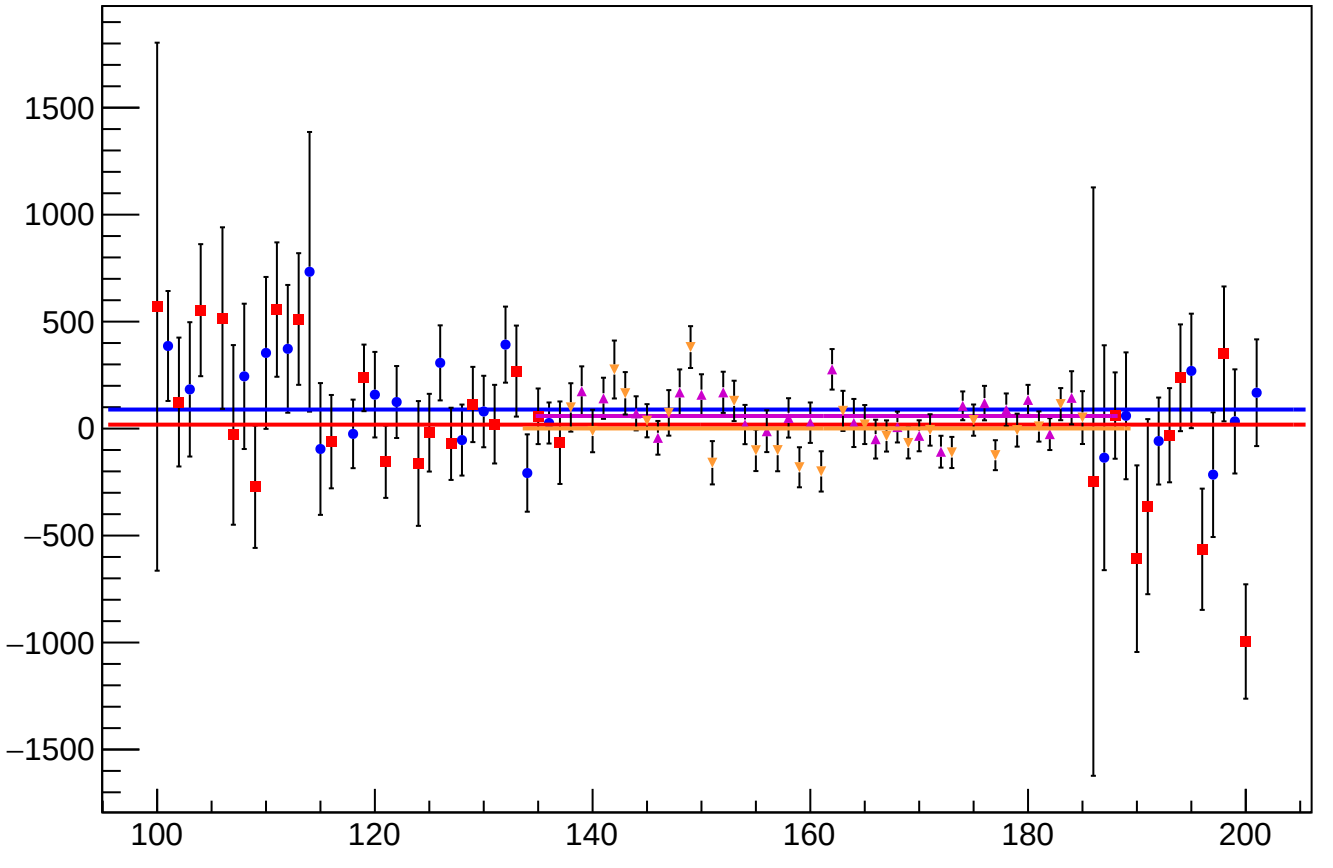
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1437.972+/-0.213 χ^2/NDF: 6366574.1/50

In: 498.774+/-0.074 χ^2/NDF:14995008.8/45

Out: 500.175+/-0.072 χ^2/NDF:17819071.6/52

All: 499.487+/-0.052 χ^2/NDF: 32814264.4/98



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: 18.501+/-43.834 χ^2/NDF: 40.6/27

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

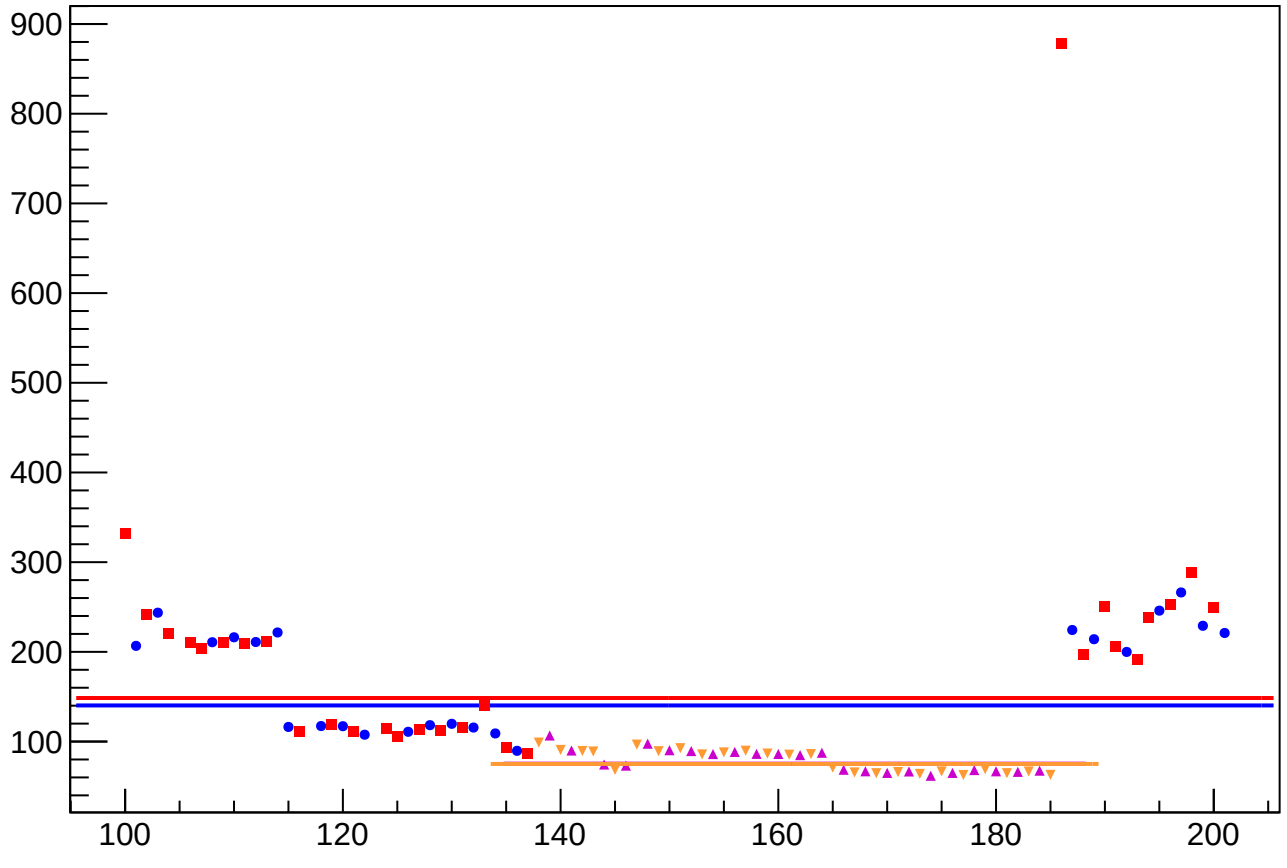
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 54.401+/-30.728 χ^2/NDF: 57.8/50

In: 63.338+/-16.514 χ^2/NDF:42.1/45

Out: 3.015+/-16.108 χ^2/NDF:89.4/52

All: 32.426+/-11.531 χ^2/NDF: 138.3/98



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: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

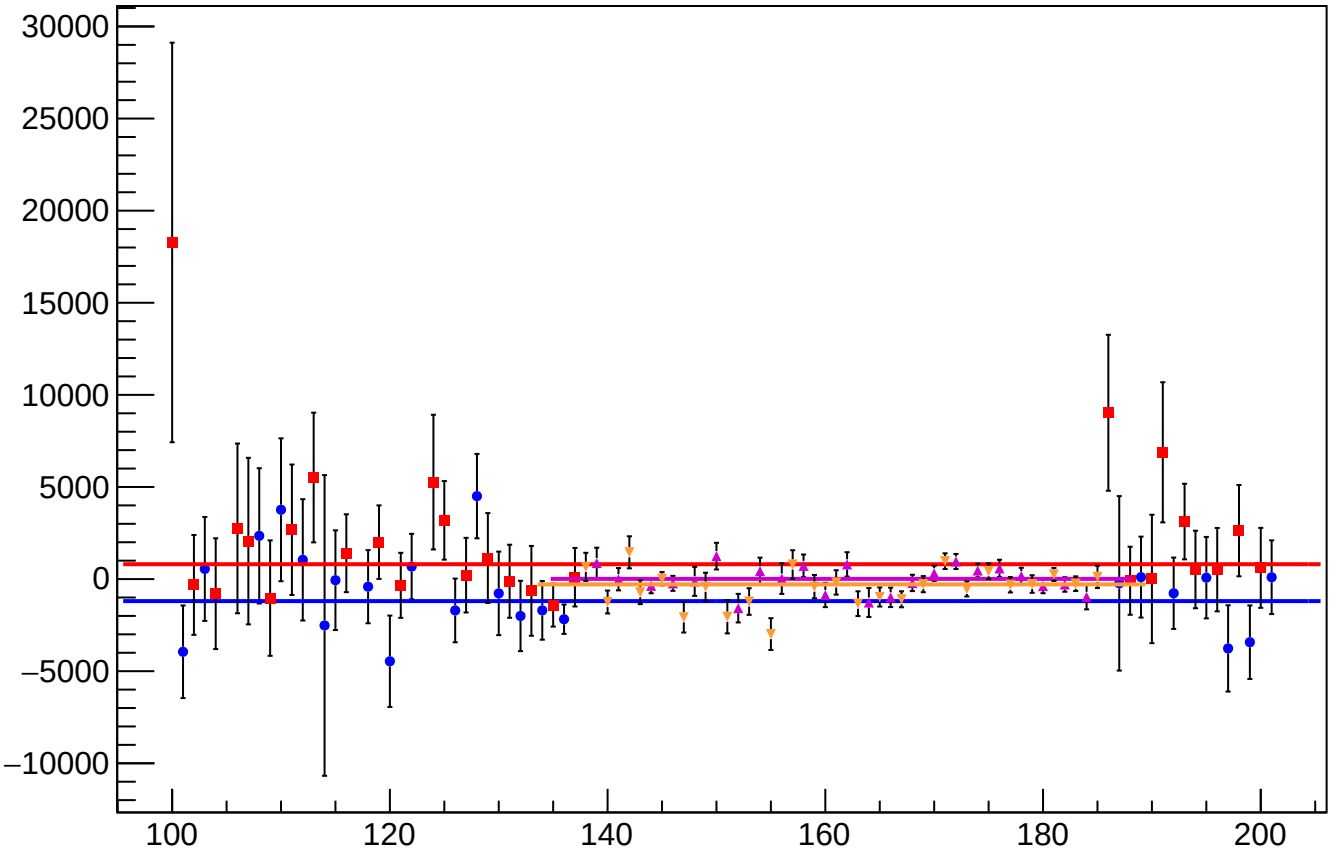
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.332+/-0.022 χ^2/NDF: 7109133.0/50

In: 84.887+/-0.012 χ^2/NDF:7821526.0/45

Out: 84.967+/-0.011 χ^2/NDF:9753581.7/52

All: 84.928+/-0.008 χ^2/NDF: 17575132.1/98



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: 806.074+/-438.479 χ^2/NDF: 22.3/27

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

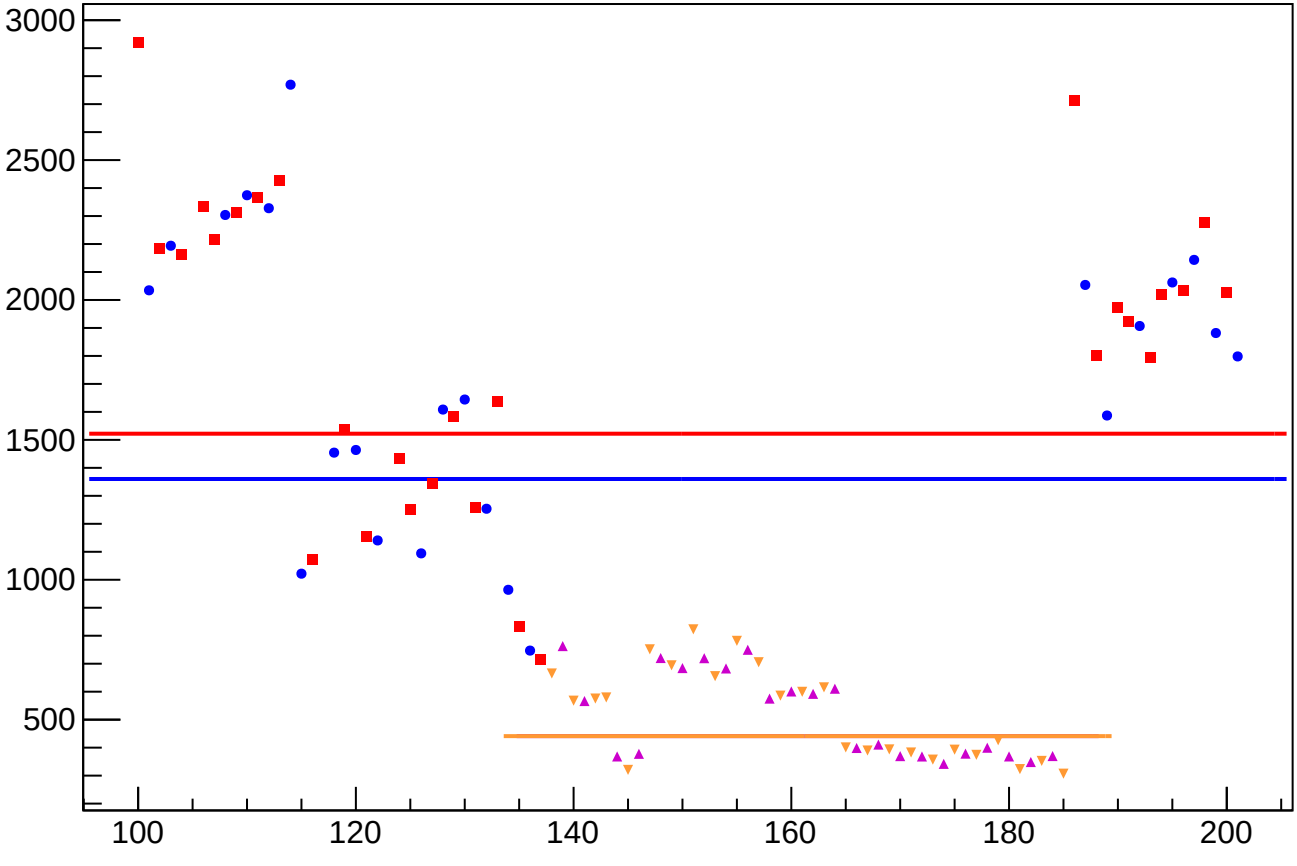
Right: -246.433+/-301.964 χ^2/NDF: 52.8/50

In: -64.948+/-104.242 χ^2/NDF:60.8/45

Out: -228.492+/-102.326 χ^2/NDF:81.4/52

All: -148.237+/-73.023 χ^2/NDF: 143.5/98

asym_sam_26_avg_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: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

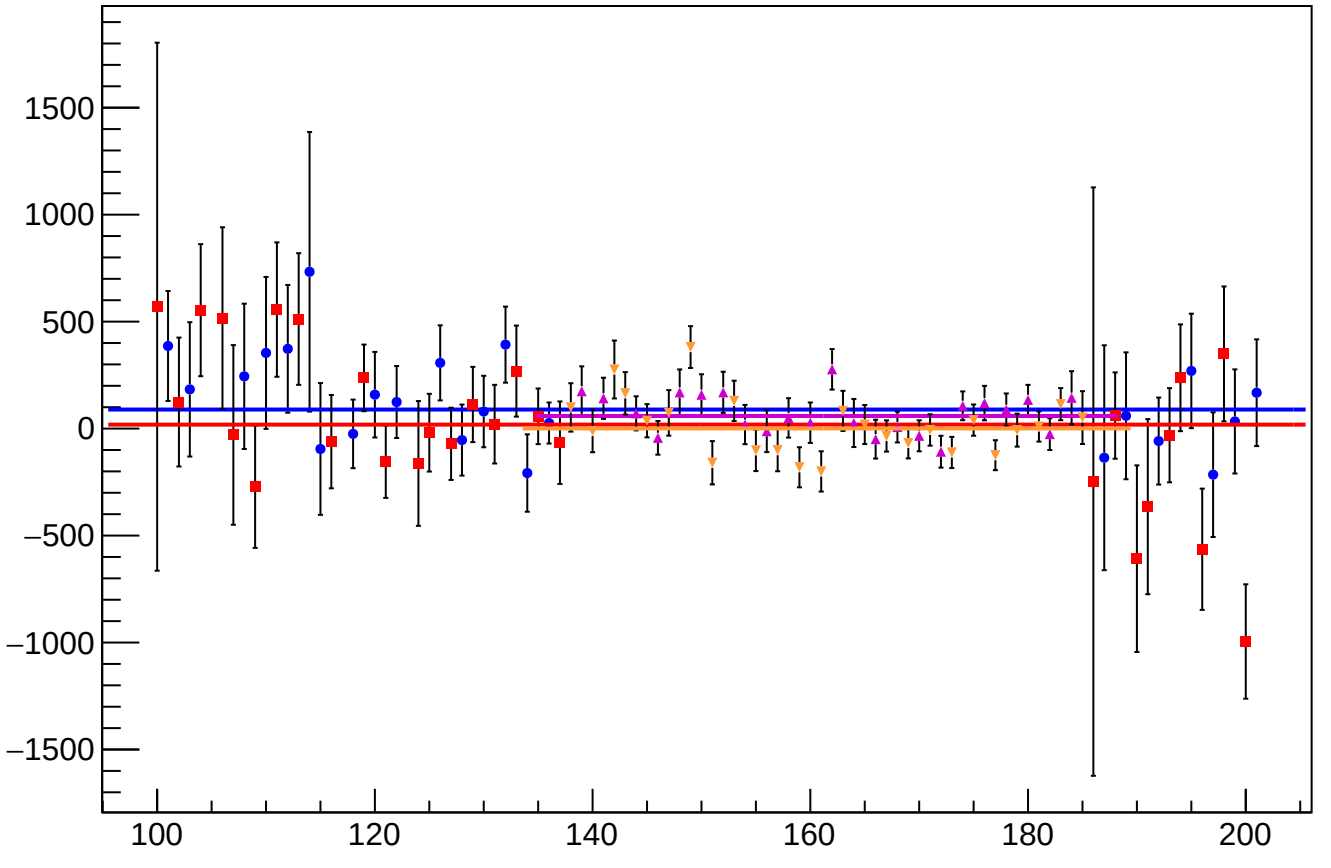
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1436.948+/-0.214 χ^2/NDF: 6334944.2/50

In: 498.774+/-0.074 χ^2/NDF:14995019.0/45

Out: 499.995+/-0.072 χ^2/NDF:17734188.3/52

All: 499.396+/-0.052 χ^2/NDF: 32729347.1/98



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: 18.501+/-43.834 χ^2/NDF: 40.6/27

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

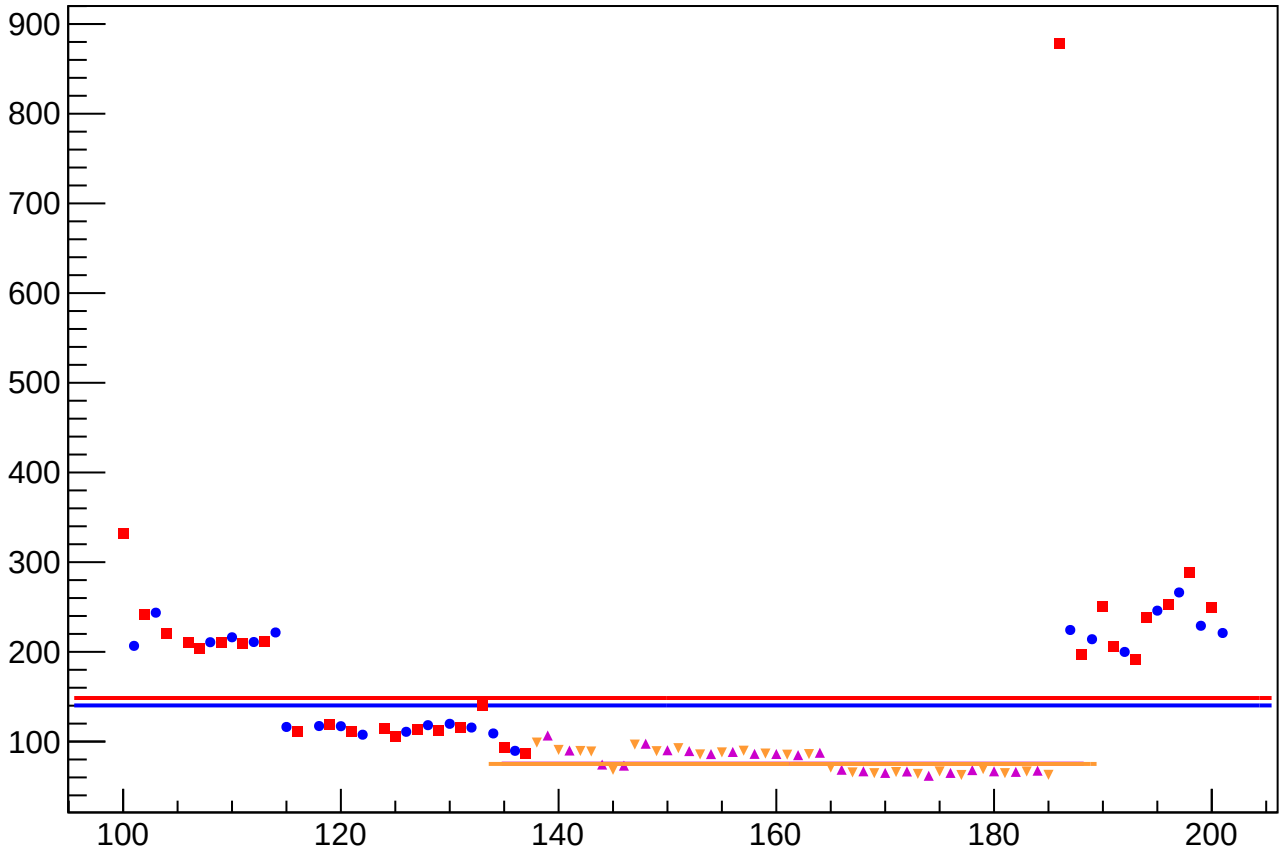
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 54.401+/-30.728 χ^2/NDF: 57.8/50

In: 63.338+/-16.514 χ^2/NDF:42.1/45

Out: 3.015+/-16.108 χ^2/NDF:89.4/52

All: 32.426+/-11.531 χ^2/NDF: 138.3/98



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: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

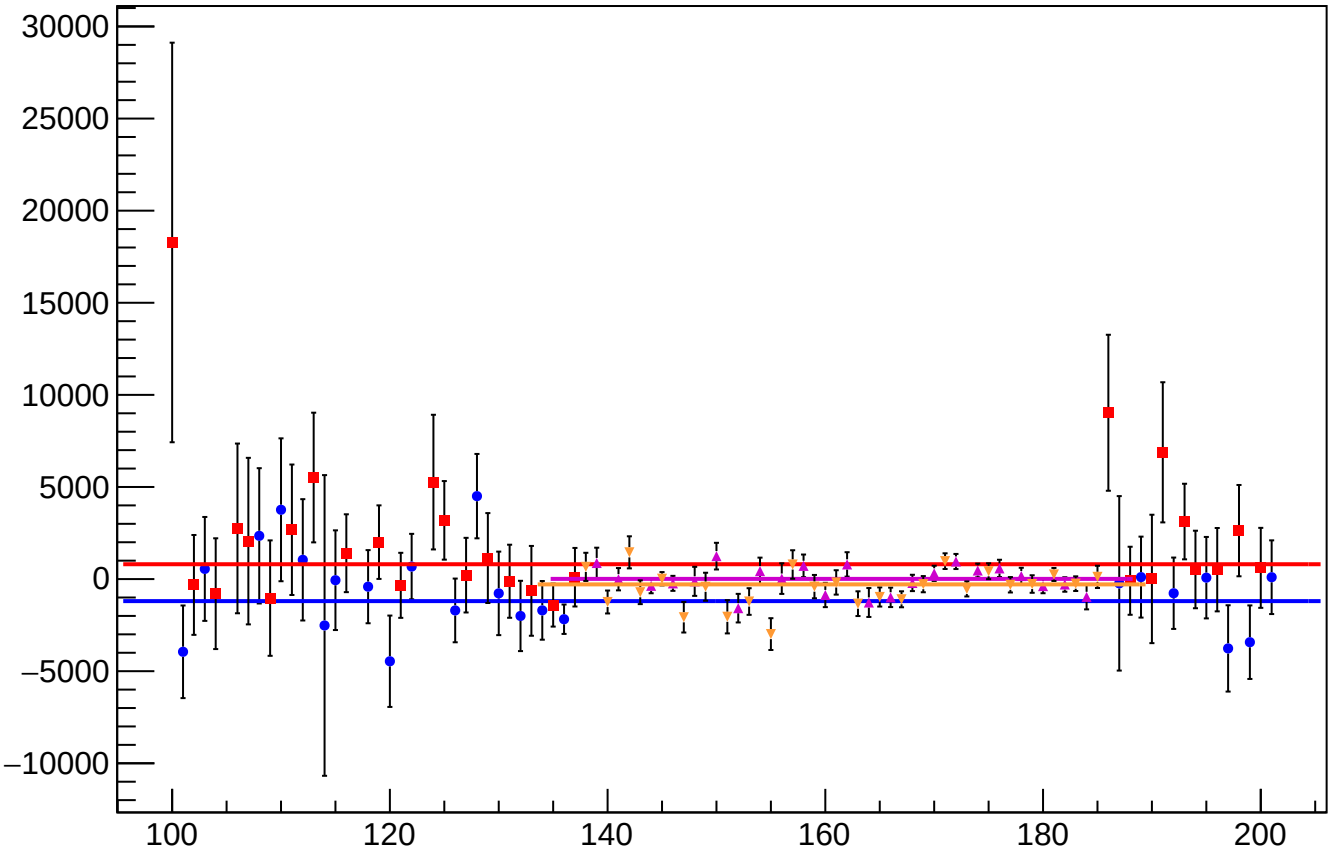
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.332+/-0.022 χ^2/NDF: 7109133.0/50

In: 84.887+/-0.012 χ^2/NDF:7821526.0/45

Out: 84.967+/-0.011 χ^2/NDF:9753581.7/52

All: 84.928+/-0.008 χ^2/NDF: 17575132.1/98



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: 806.074+/-438.479 χ^2/NDF: 22.3/27

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

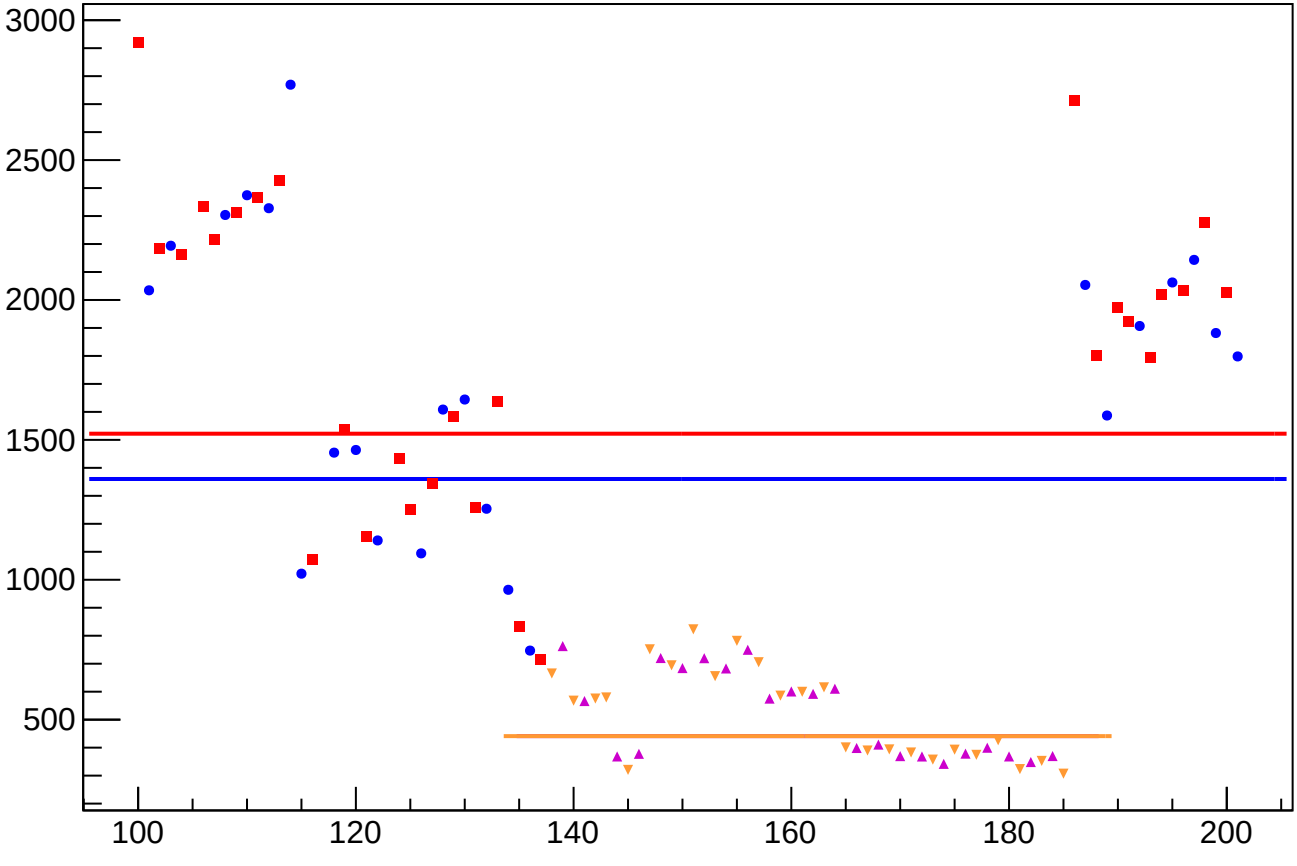
Right: -246.433+/-301.964 χ^2/NDF: 52.8/50

In: -64.948+/-104.242 χ^2/NDF:60.8/45

Out: -228.492+/-102.326 χ^2/NDF:81.4/52

All: -148.237+/-73.023 χ^2/NDF: 143.5/98

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: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

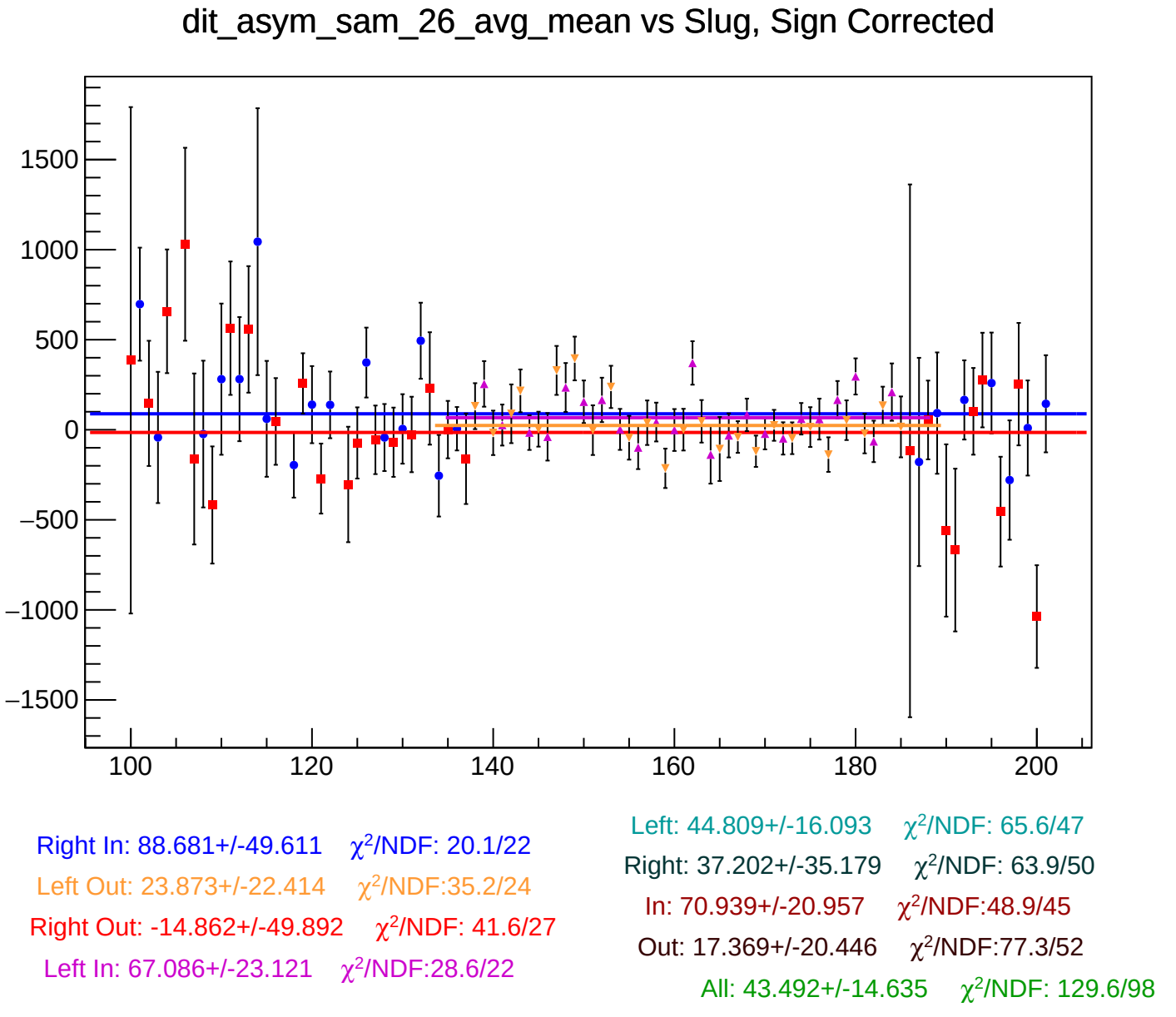
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

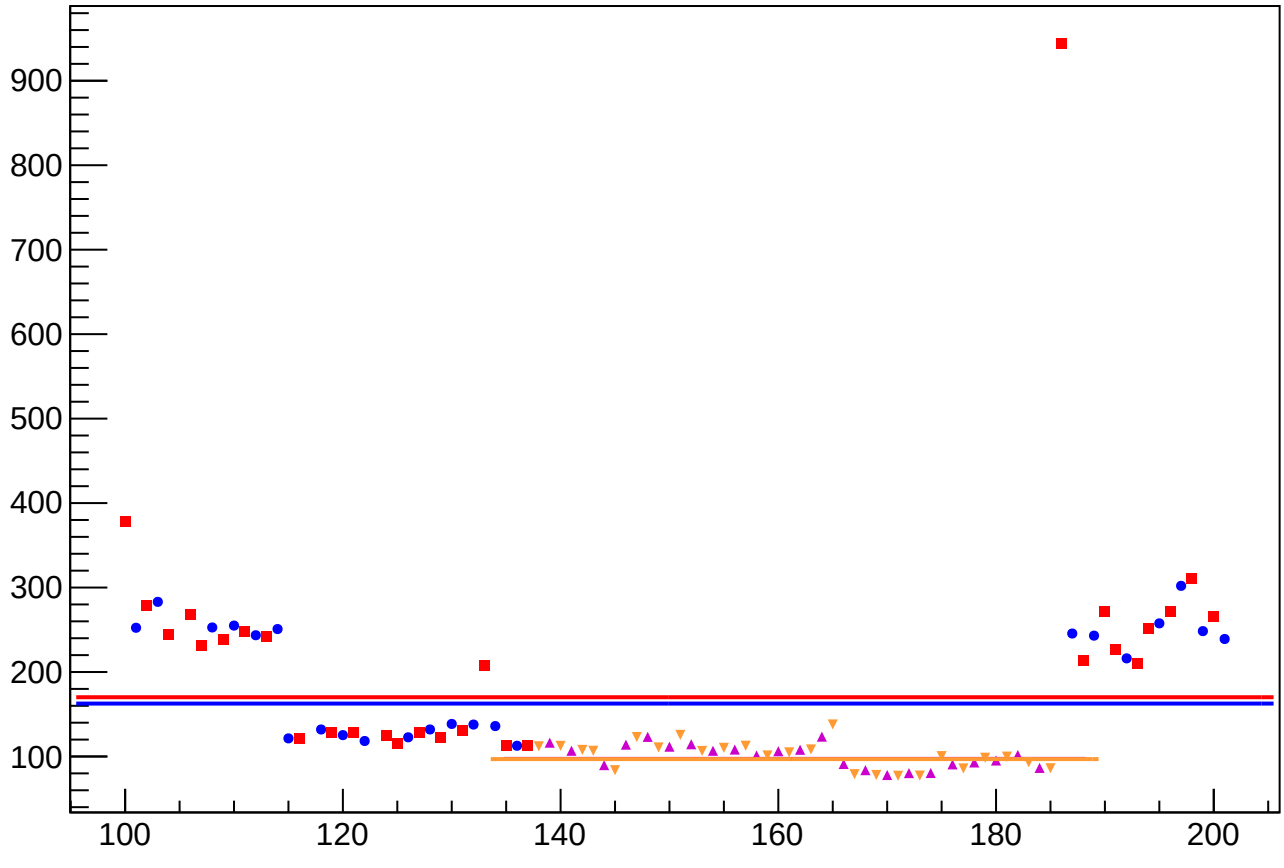
Right: 1436.948+/-0.214 χ^2/NDF: 6334944.2/50

In: 498.774+/-0.074 χ^2/NDF:14995019.0/45

Out: 499.995+/-0.072 χ^2/NDF:17734188.3/52

All: 499.396+/-0.052 χ^2/NDF: 32729347.1/98


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 88.681+/-49.611 χ²/NDF: 20.1/22
Left Out: 23.873+/-22.414 χ²/NDF:35.2/24
Right Out: -14.862+/-49.892 χ²/NDF: 41.6/27
Left In: 67.086+/-23.121 χ²/NDF:28.6/22
Left: 44.809+/-16.093 χ²/NDF: 65.6/47
Right: 37.202+/-35.179 χ²/NDF: 63.9/50
In: 70.939+/-20.957 χ²/NDF:48.9/45
Out: 17.369+/-20.446 χ²/NDF:77.3/52
All: 43.492+/-14.635 χ²/NDF: 129.6/98



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: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

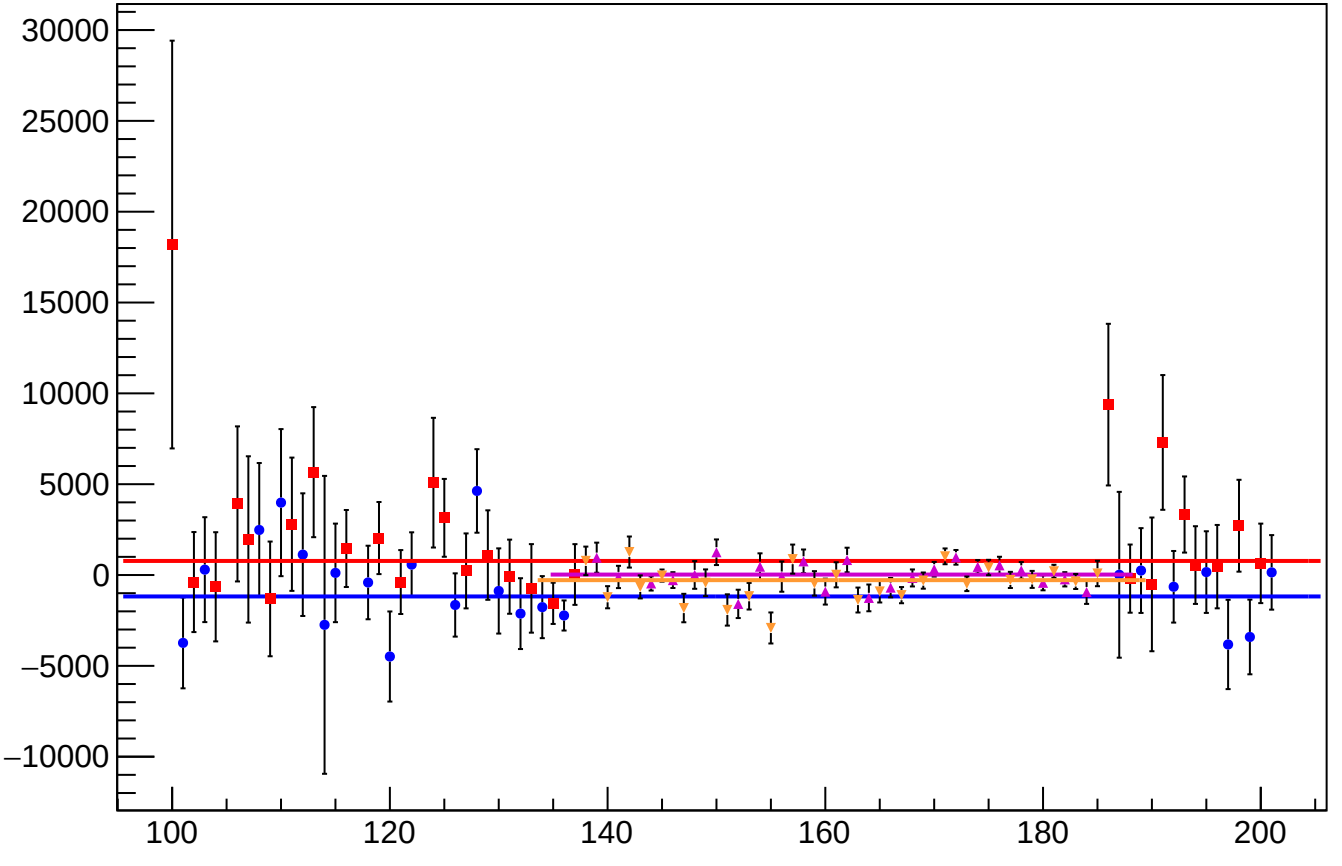
Right: 166.378+/-0.025 χ^2/NDF: 6439303.1/50

In: 108.852+/-0.015 χ^2/NDF:6315196.5/45

Out: 109.207+/-0.014 χ^2/NDF:8158700.9/52

All: 109.034+/-0.010 χ^2/NDF: 14474192.3/98

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



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: 774.948+/-441.637 χ^2/NDF: 24.1/27

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

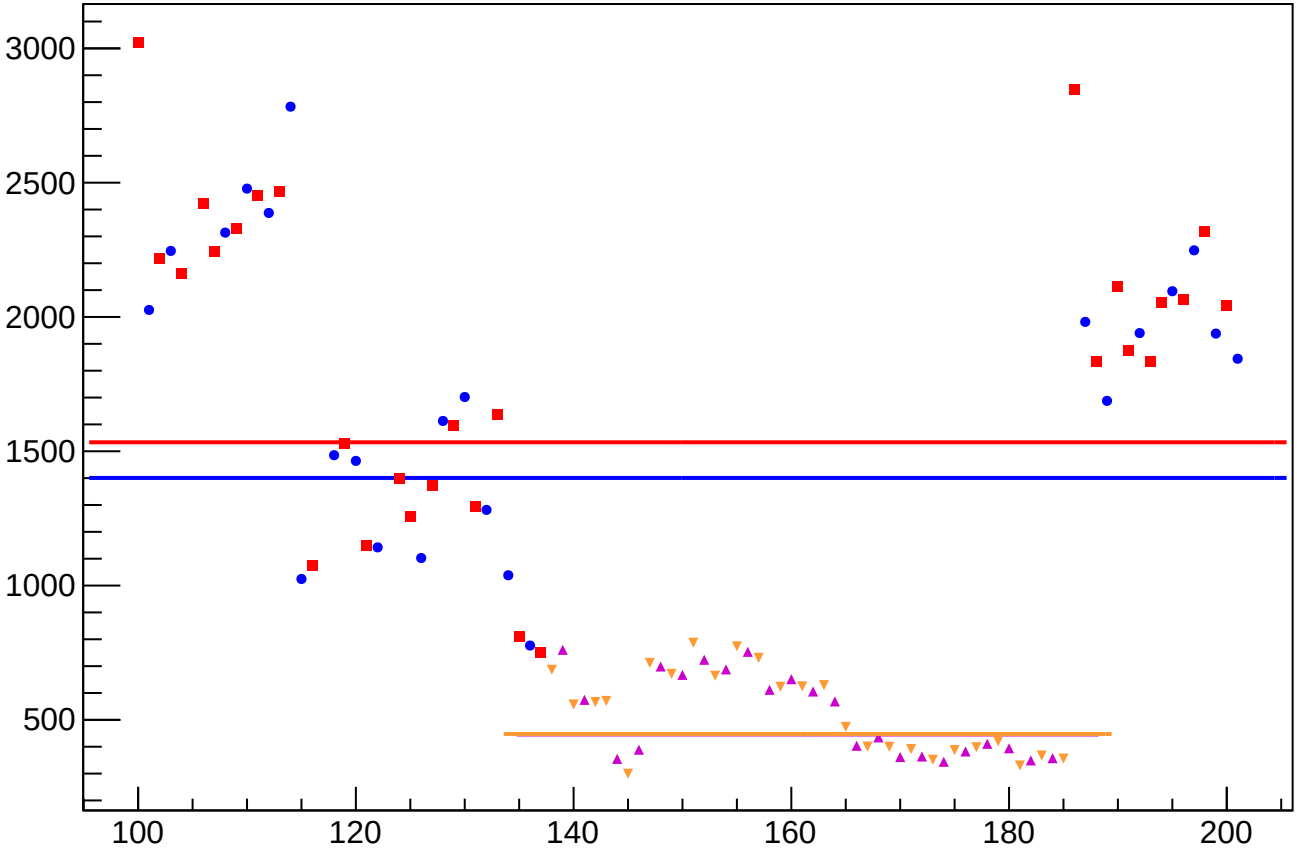
Right: -233.738+/-307.216 χ^2/NDF: 53.8/50

In: -48.684+/-105.517 χ^2/NDF:60.0/45

Out: -224.422+/-103.435 χ^2/NDF:79.9/52

All: -138.304+/-73.865 χ^2/NDF: 141.3/98

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1533.447+/-0.312 χ^2/NDF: 3148011.9/27

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

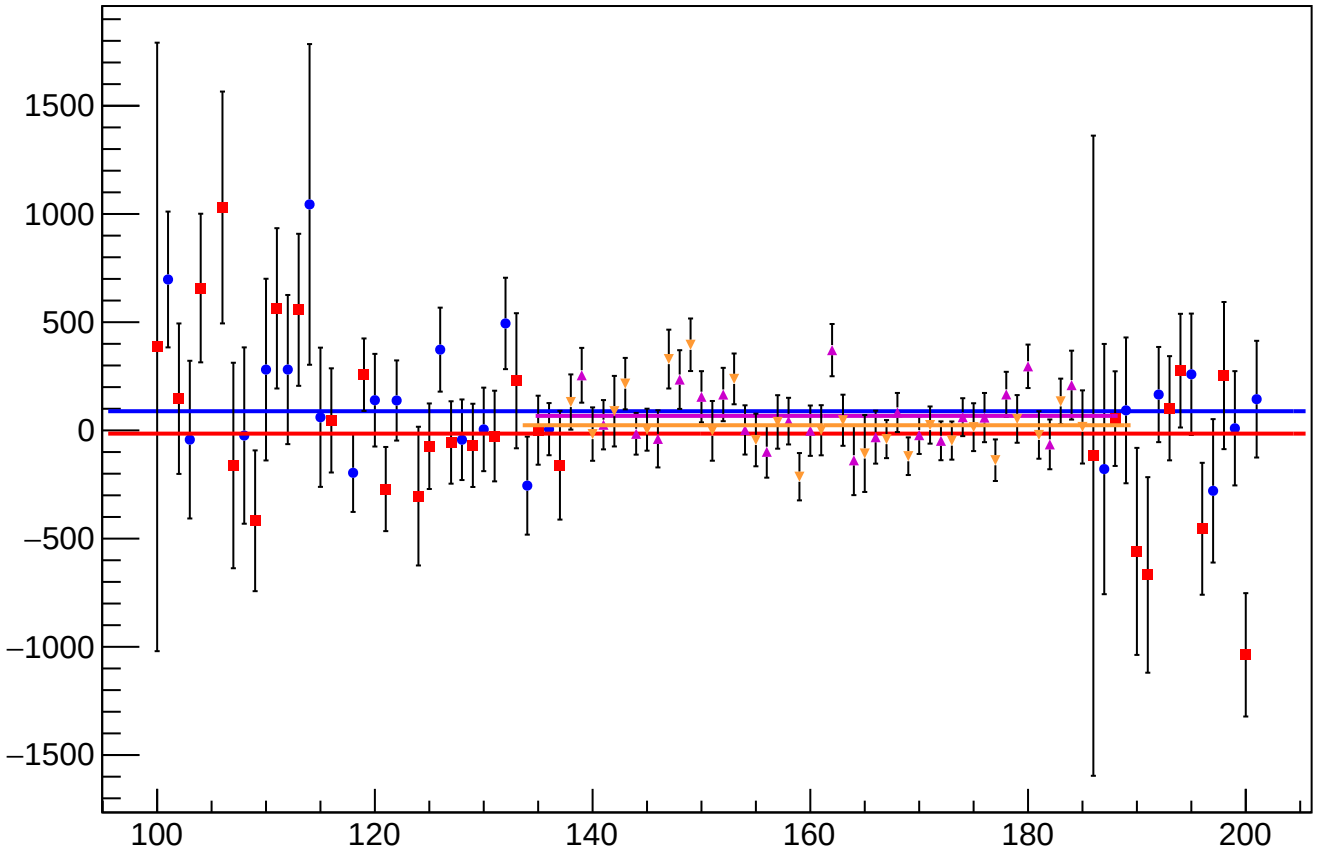
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1464.950+/-0.217 χ^2/NDF: 6329799.3/50

In: 503.648+/-0.075 χ^2/NDF:15173504.9/45

Out: 506.960+/-0.073 χ^2/NDF:17777363.7/52

All: 505.337+/-0.052 χ^2/NDF: 32951873.3/98



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: -14.861+/-49.892 χ^2/NDF: 41.6/27

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

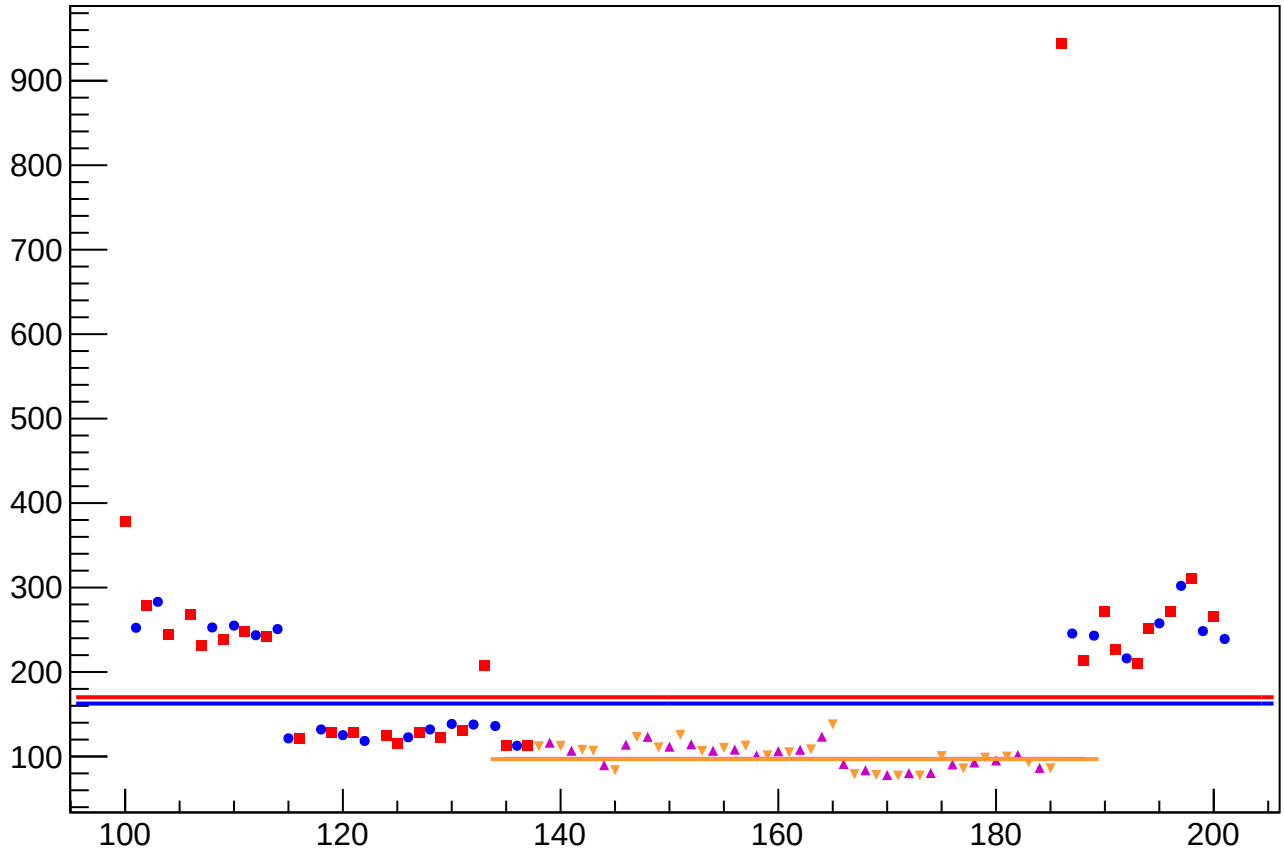
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 37.203+/-35.179 χ^2/NDF: 63.9/50

In: 70.939+/-20.957 χ^2/NDF:48.9/45

Out: 17.367+/-20.446 χ^2/NDF:77.3/52

All: 43.492+/-14.635 χ^2/NDF: 129.6/98



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: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

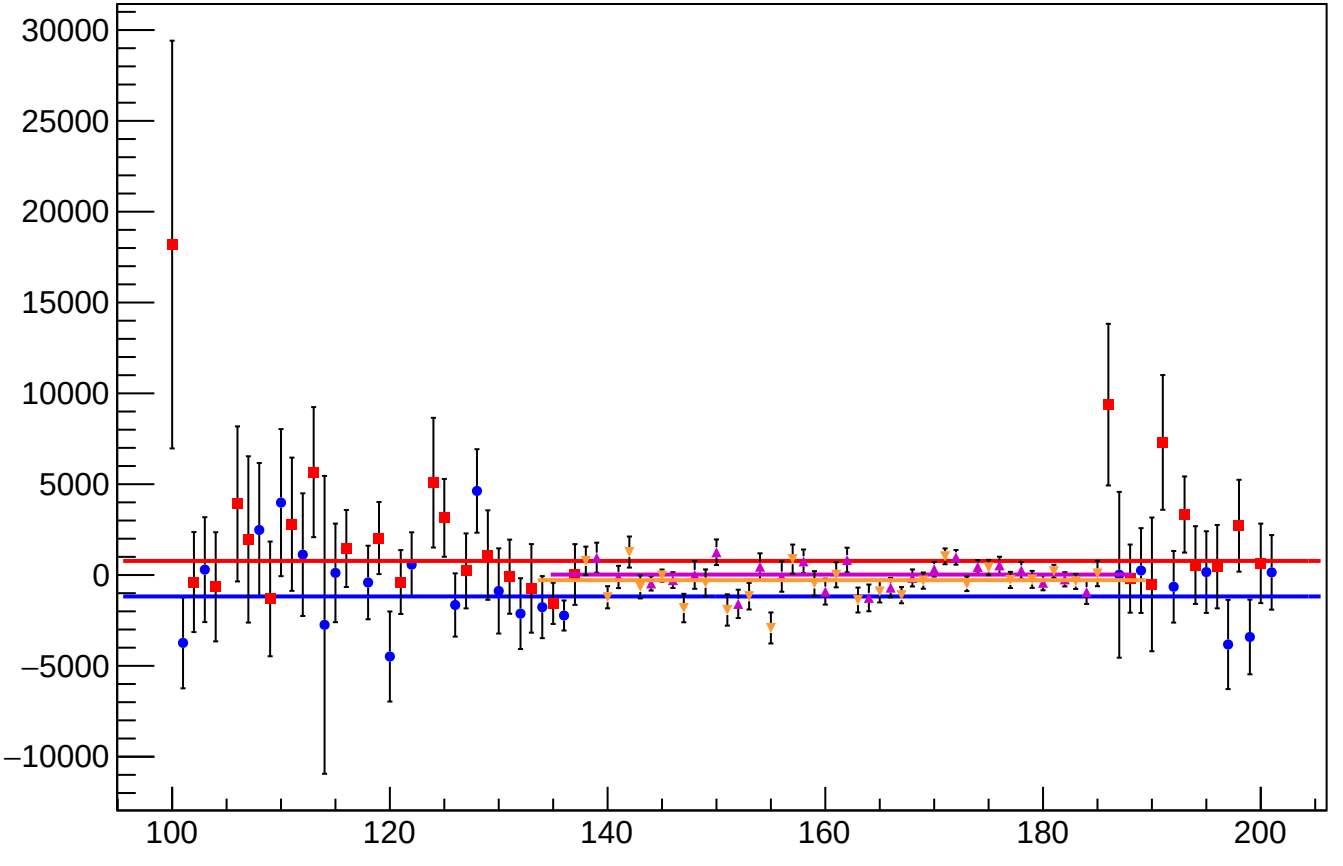
Right: 166.377+/-0.025 χ^2/NDF: 6439315.3/50

In: 108.852+/-0.015 χ^2/NDF:6315119.1/45

Out: 109.207+/-0.014 χ^2/NDF:8158644.7/52

All: 109.034+/-0.010 χ^2/NDF: 14474058.6/98

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: 774.949+/-441.637 χ^2/NDF: 24.1/27

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

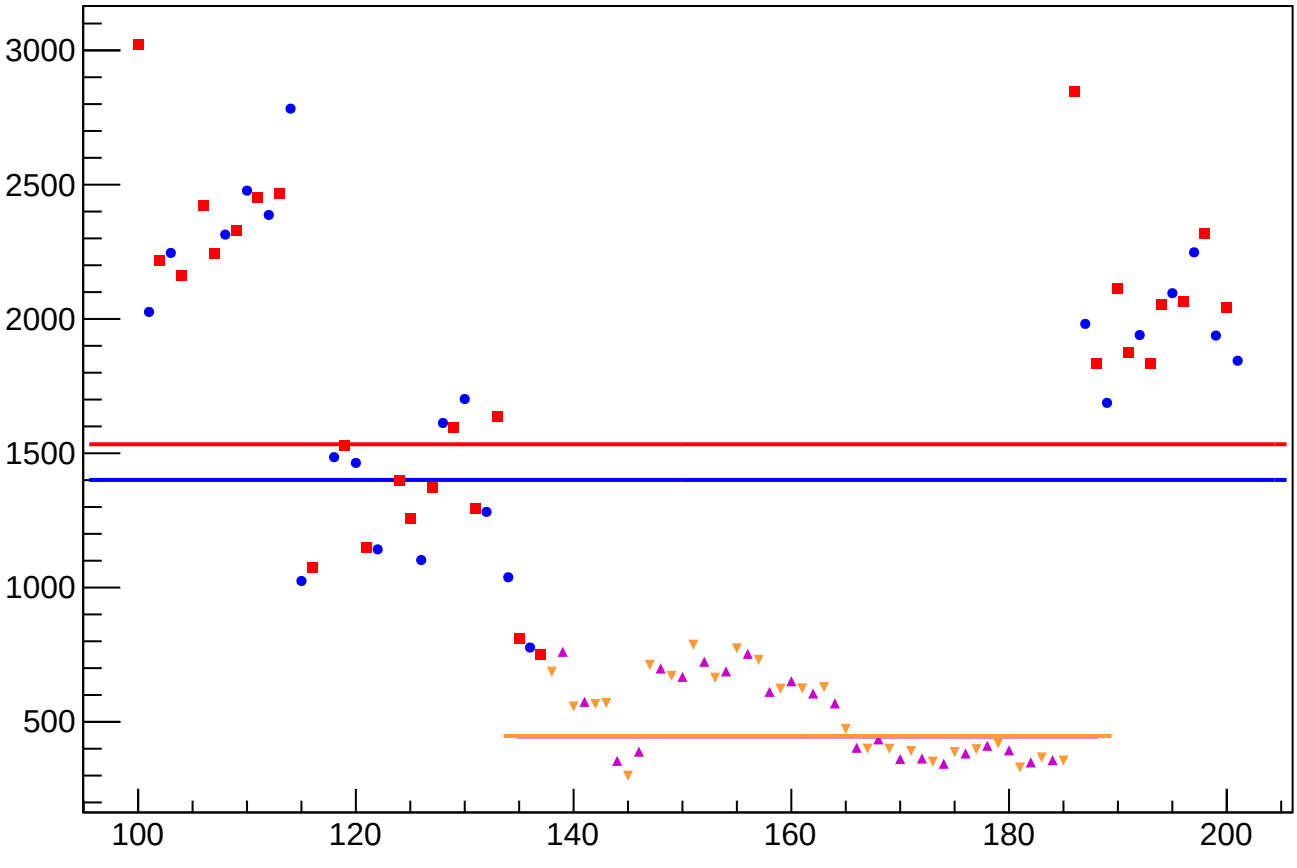
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -233.736+/-307.216 χ^2/NDF: 53.8/50

In: -48.683+/-105.517 χ^2/NDF:60.0/45

Out: -224.421+/-103.435 χ^2/NDF:79.9/52

All: -138.303+/-73.865 χ^2/NDF: 141.3/98



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: 1533.446+/-0.312 χ^2/NDF: 3148000.3/27

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

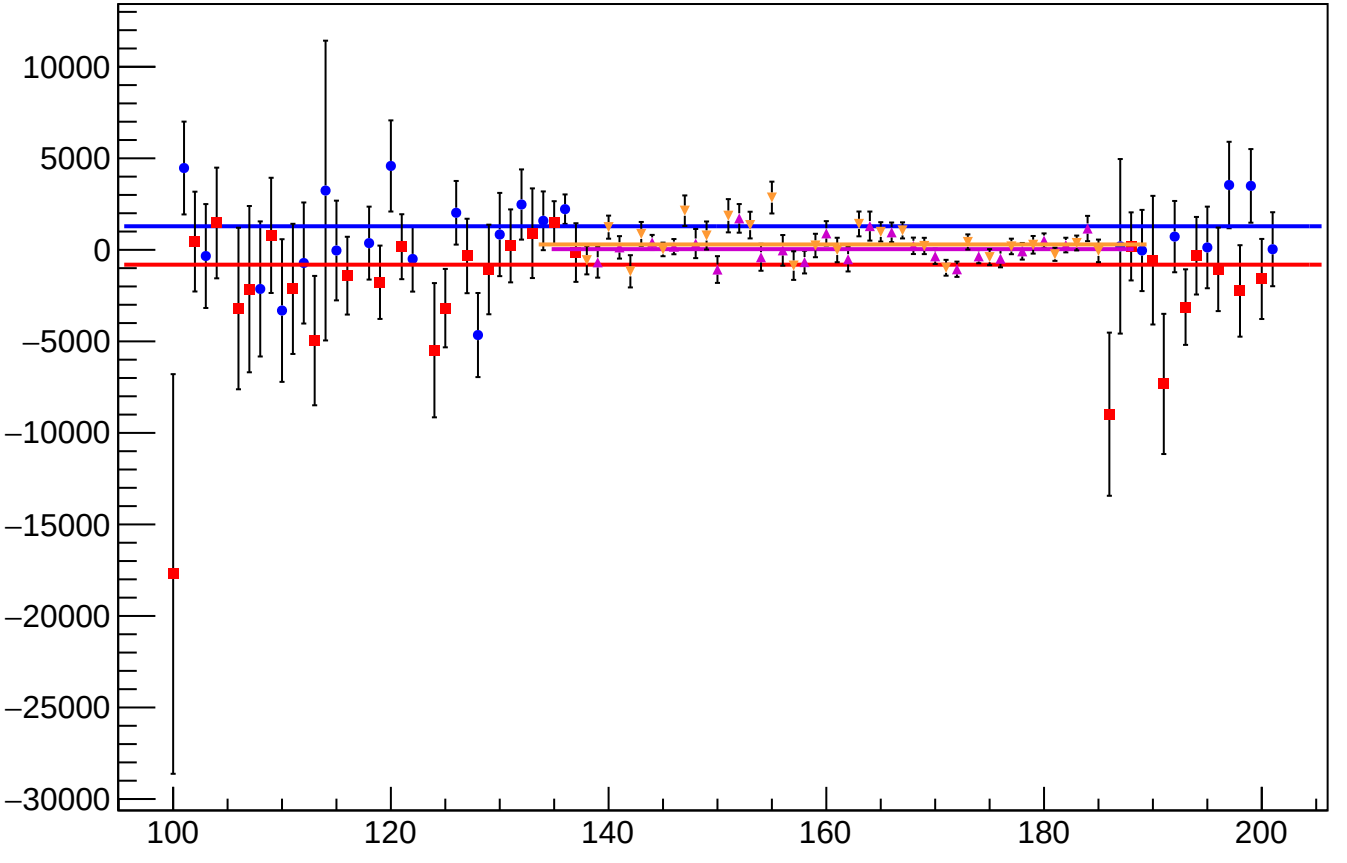
Right: 1464.949+/-0.217 χ^2/NDF: 6329770.3/50

In: 503.648+/-0.075 χ^2/NDF:15173505.9/45

Out: 506.959+/-0.073 χ^2/NDF:17777384.3/52

All: 505.337+/-0.052 χ^2/NDF: 32951894.9/98

asym_sam_26_avg_mean vs Slug, Sign Corrected



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: -810.011+/-440.989 χ^2/NDF: 21.9/27

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

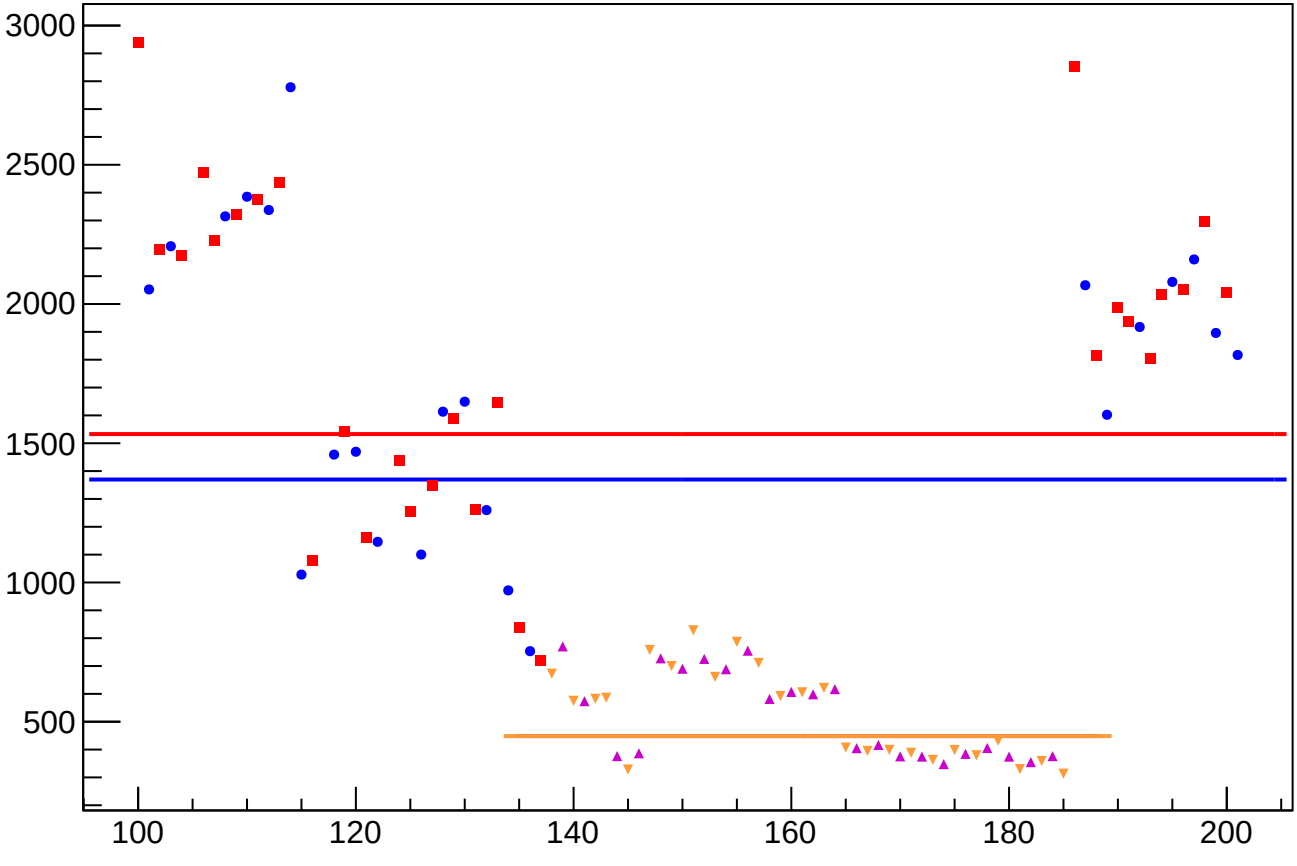
Right: 292.160+/-303.861 χ^2/NDF: 53.6/50

In: 117.692+/-105.779 χ^2/NDF:61.0/45

Out: 233.775+/-103.808 χ^2/NDF:78.4/52

All: 176.825+/-74.091 χ^2/NDF: 140.0/98

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: 1532.901+/-0.312 χ^2/NDF: 3056619.3/27

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

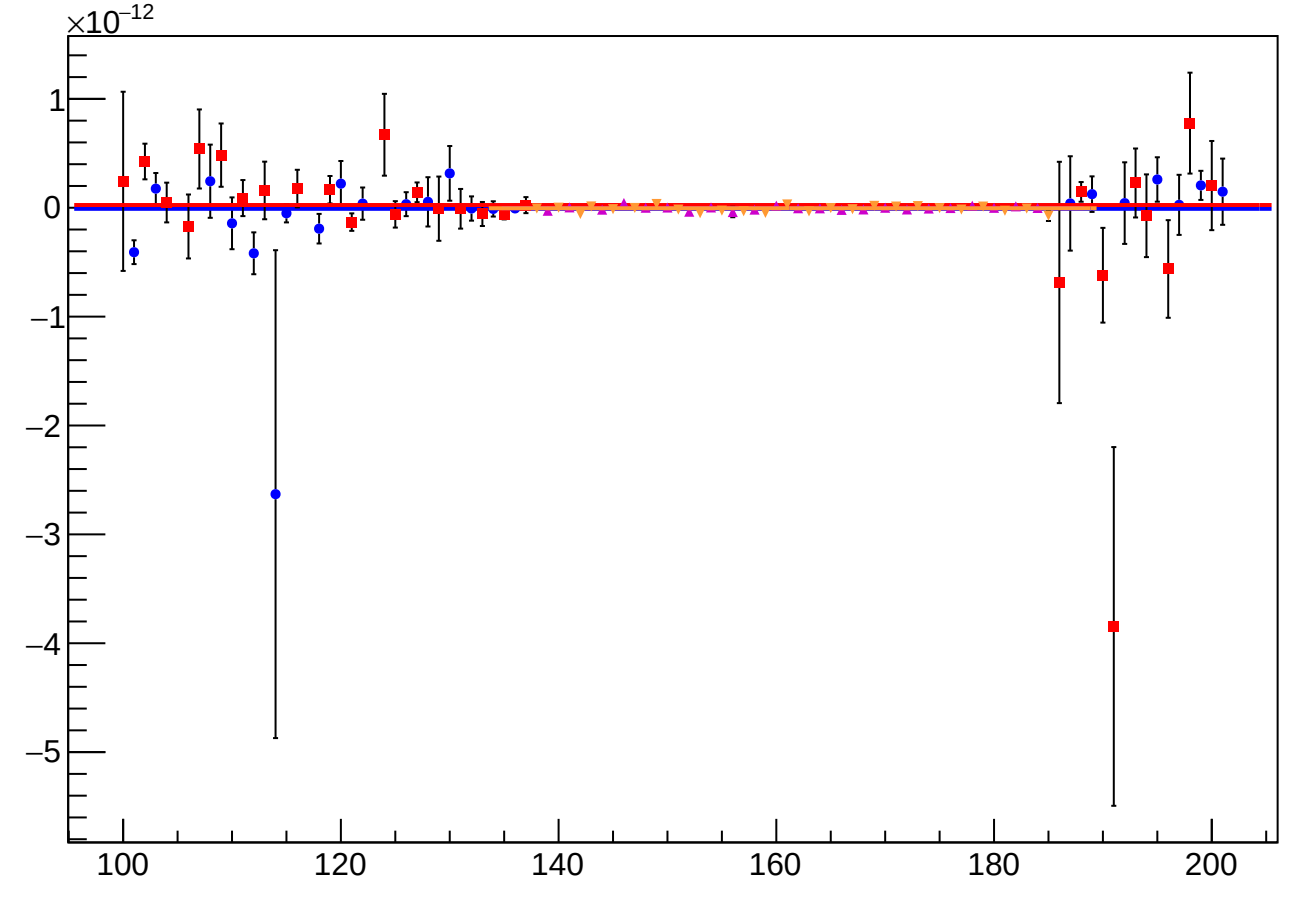
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1447.208+/-0.215 χ^2/NDF: 6375599.5/50

In: 507.040+/-0.075 χ^2/NDF:14838821.1/45

Out: 508.380+/-0.073 χ^2/NDF:17641603.9/52

All: 507.723+/-0.052 χ^2/NDF: 32480588.6/98



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/27

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

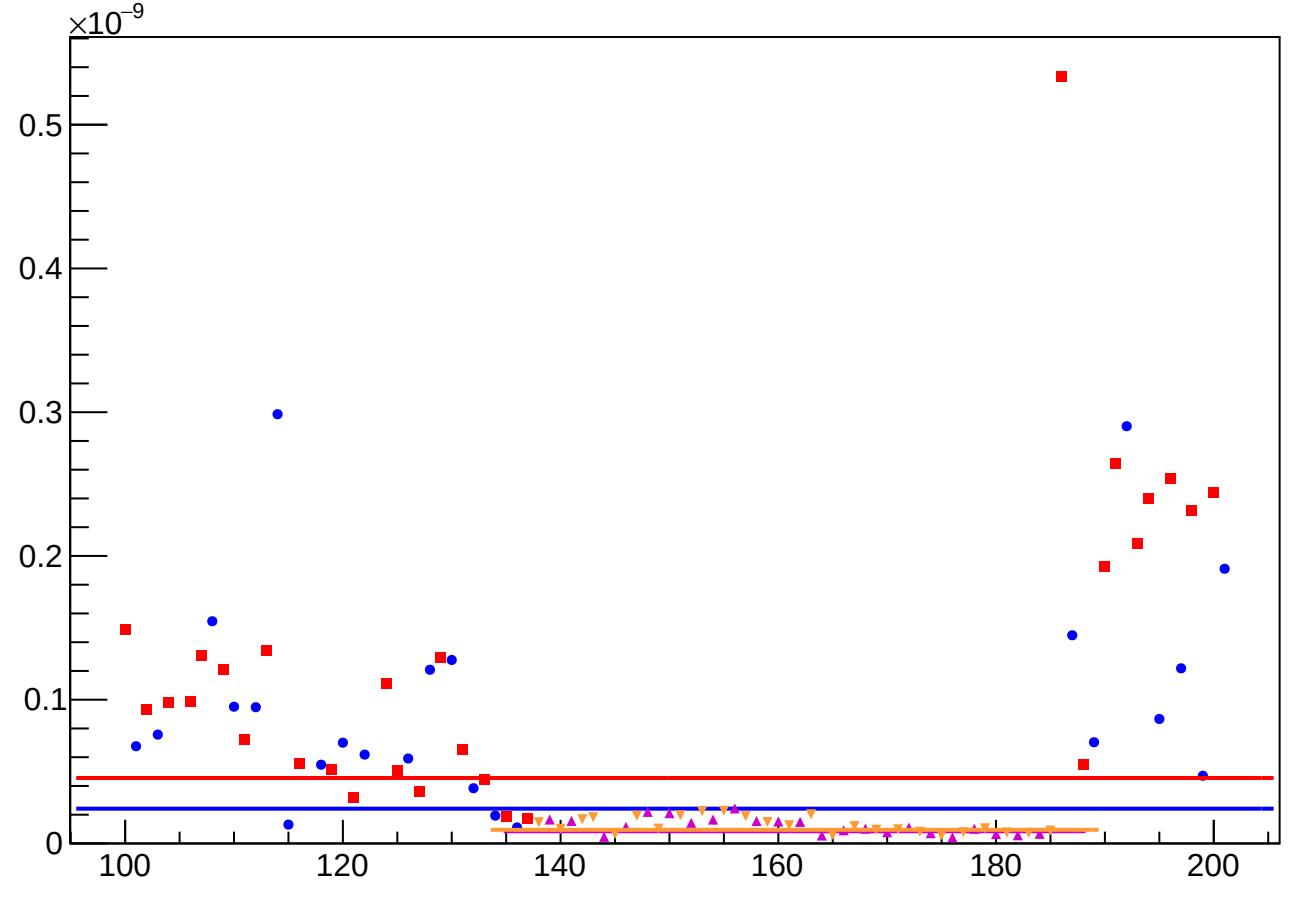
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 74.3/50

In: -0.000+/-0.000 χ^2/NDF:49.2/45

Out: -0.000+/-0.000 χ^2/NDF:65.1/52

All: -0.000+/-0.000 χ^2/NDF: 114.3/98



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: 5139362.5/27

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

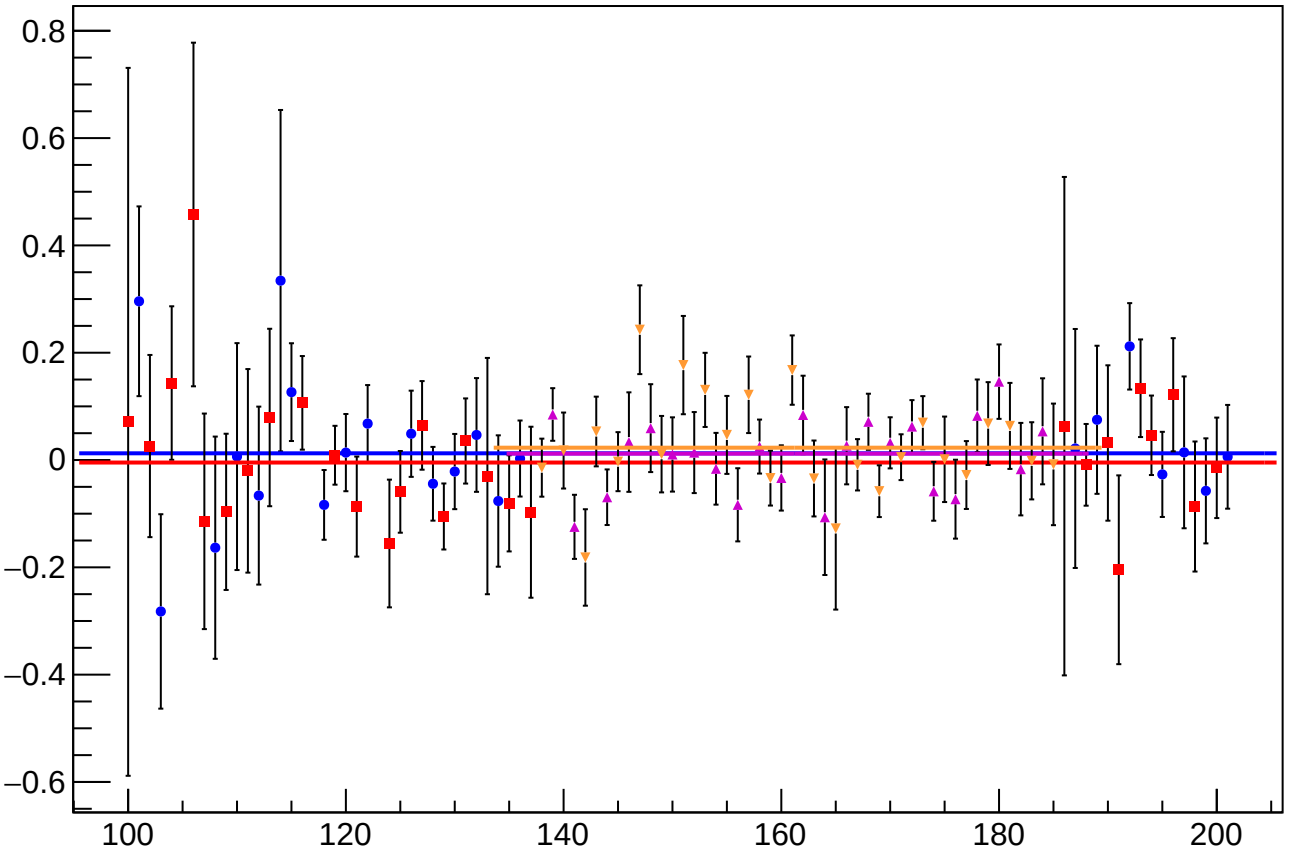
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11937173.6/50

In: 0.000+/-0.000 χ^2/NDF:10170032.8/45

Out: 0.000+/-0.000 χ^2/NDF:11313684.3/52

All: 0.000+/-0.000 χ^2/NDF: 21568608.2/98



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: -0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

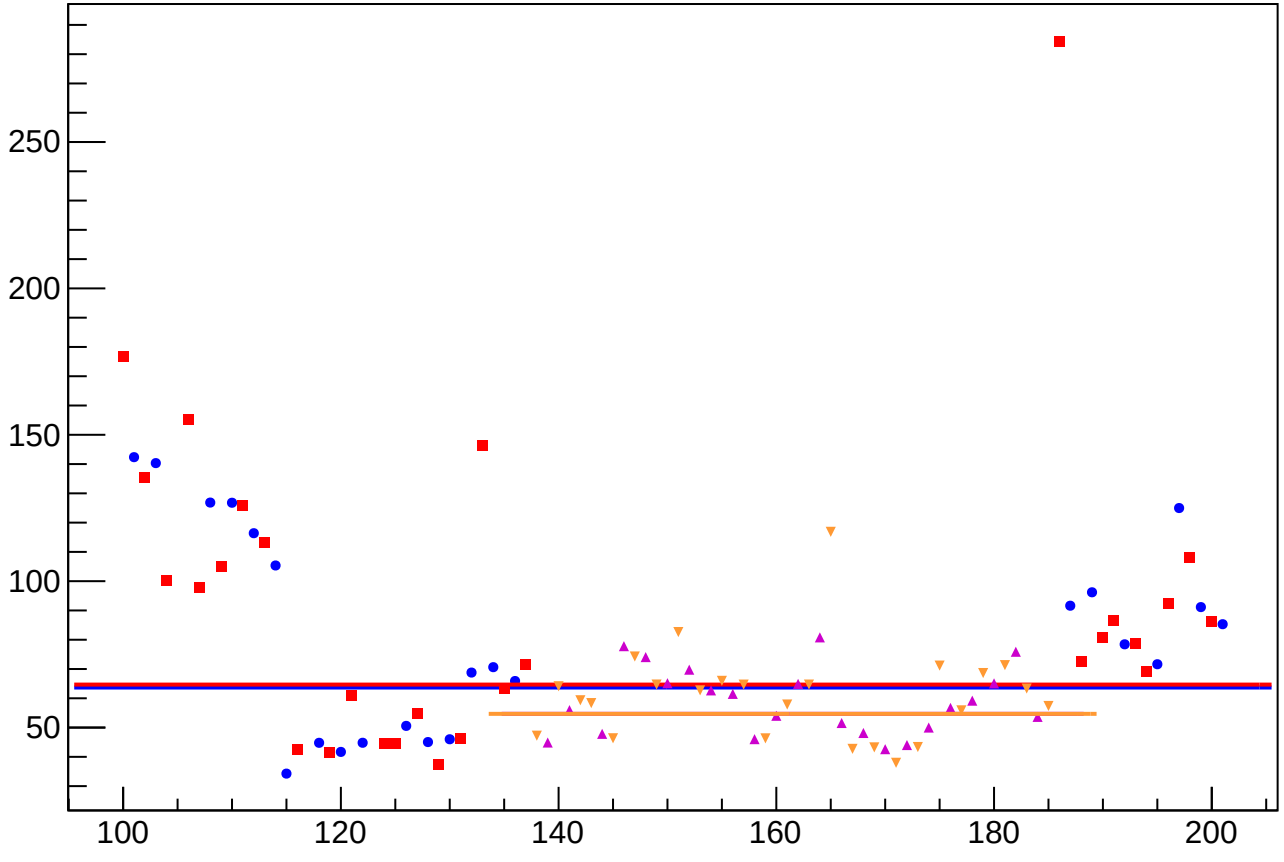
Right: 0.004+/-0.014 χ^2/NDF: 40.3/50

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/98

asym_sam_26_avg_dit_vs_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: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

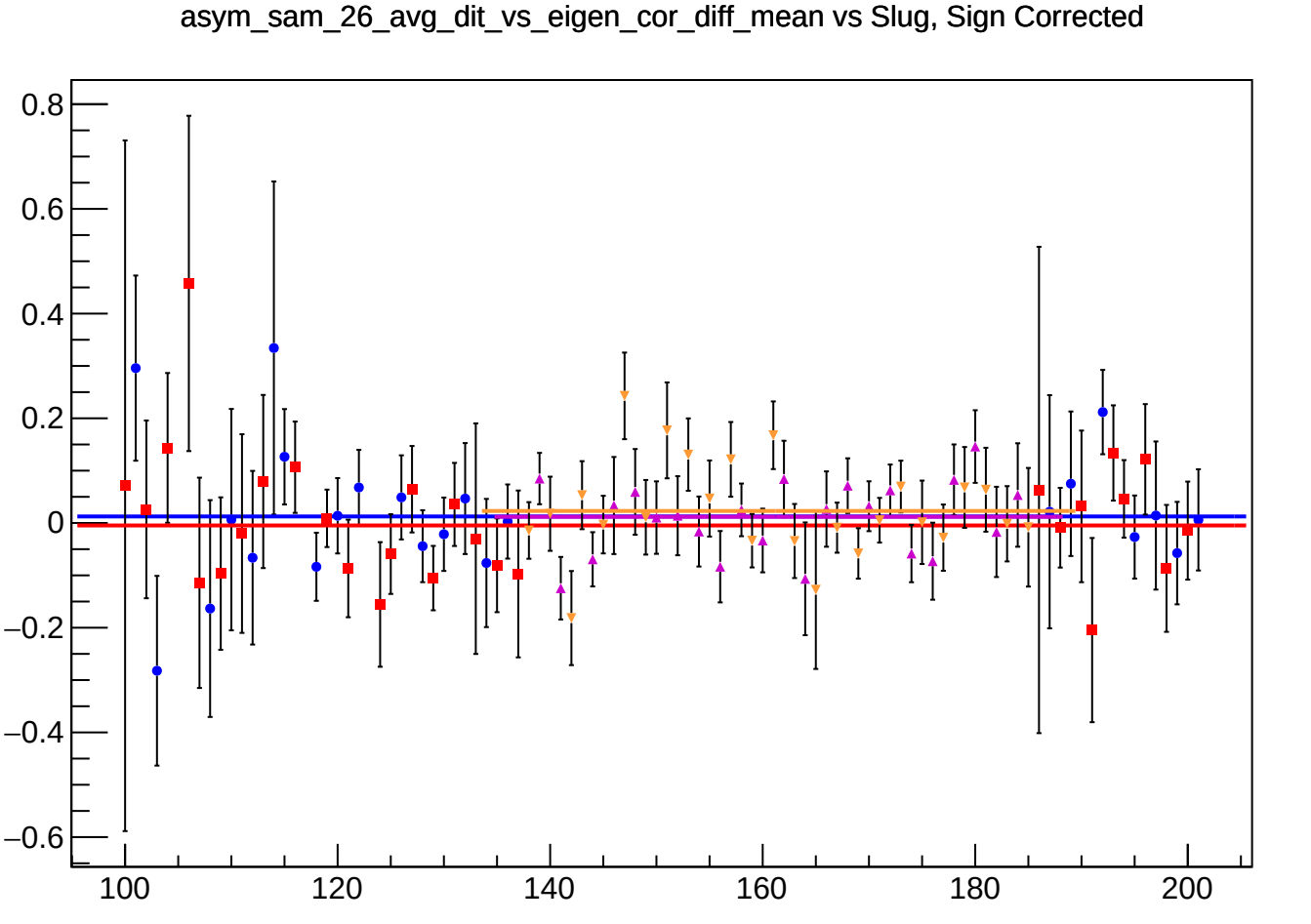
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.194+/-0.010 χ^2/NDF: 7124321.7/50

In: 57.409+/-0.008 χ^2/NDF:4728538.1/45

Out: 57.747+/-0.008 χ^2/NDF:6164689.9/52

All: 57.583+/-0.005 χ^2/NDF: 10894181.6/98



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: -0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

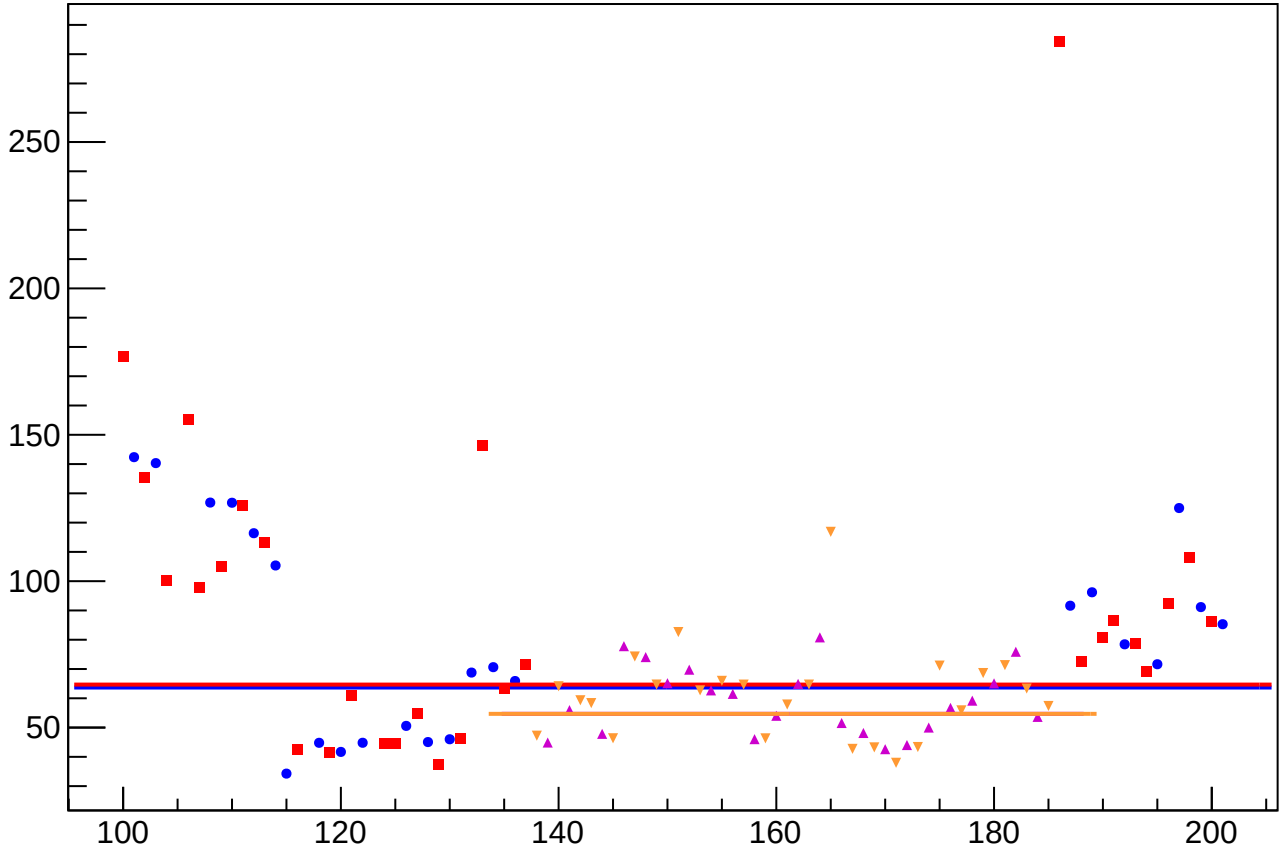
Right: 0.004+/-0.014 χ^2/NDF: 40.3/50

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/98

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: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

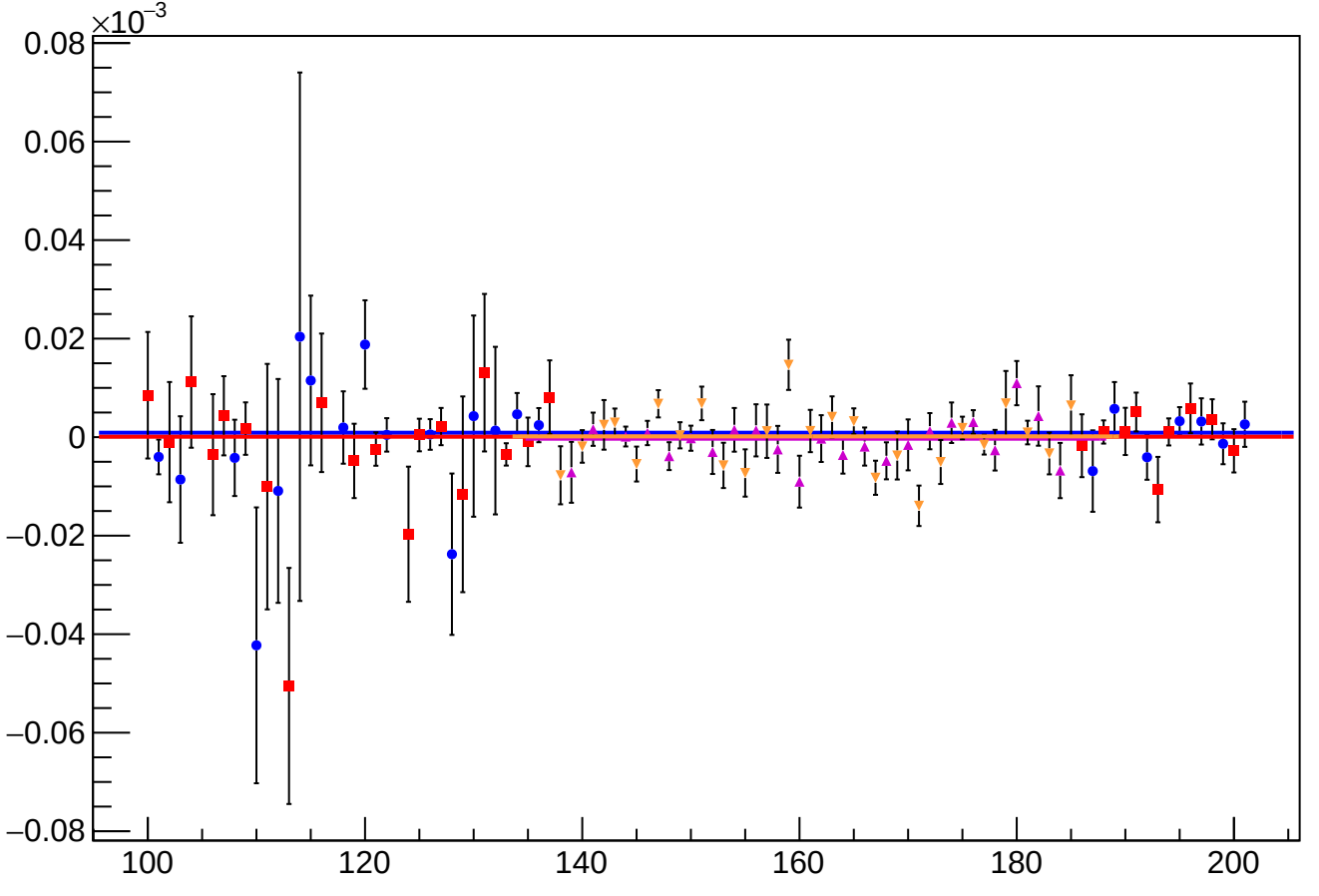
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.194+/-0.010 χ^2/NDF: 7124321.7/50

In: 57.409+/-0.008 χ^2/NDF:4728538.1/45

Out: 57.747+/-0.008 χ^2/NDF:6164689.9/52

All: 57.583+/-0.005 χ^2/NDF: 10894181.6/98



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: 21.7/27

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

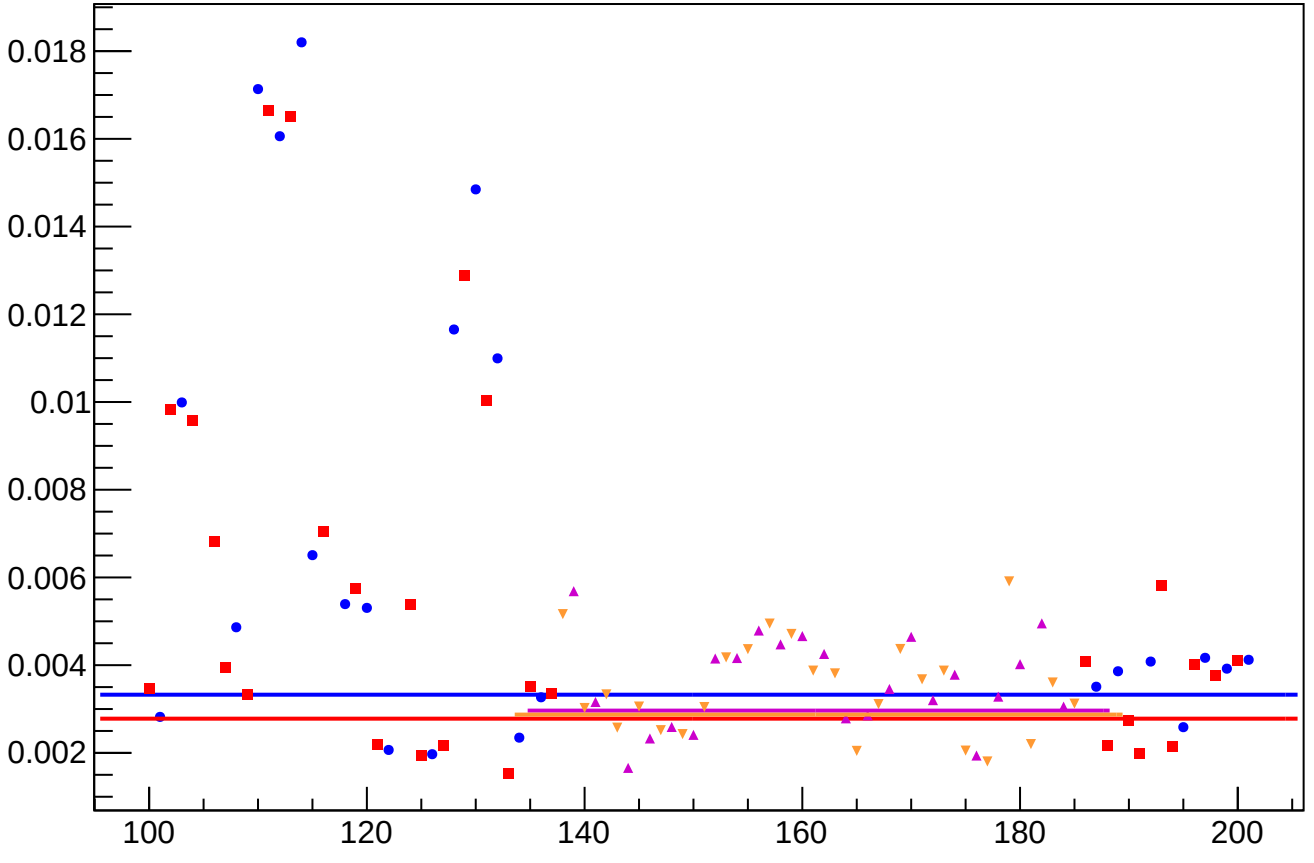
Right: 0.000+/-0.000 χ^2/NDF: 39.6/50

In: 0.000+/-0.000 χ^2/NDF:39.1/45

Out: 0.000+/-0.000 χ^2/NDF:75.4/52

All: 0.000+/-0.000 χ^2/NDF: 114.5/98

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: 6391586.5/27

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

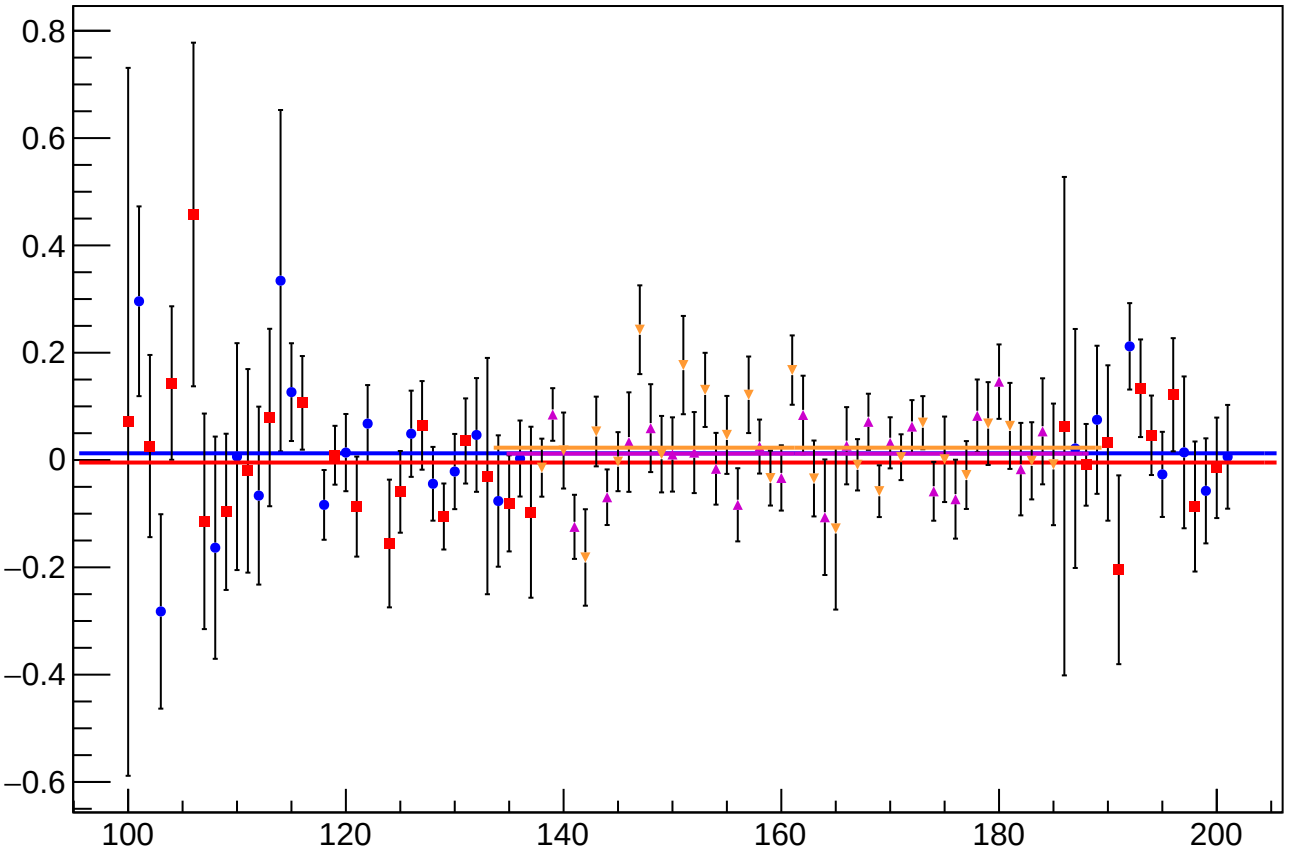
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11637406.2/50

In: 0.003+/-0.000 χ^2/NDF:8715840.0/45

Out: 0.003+/-0.000 χ^2/NDF:10007276.9/52

All: 0.003+/-0.000 χ^2/NDF: 18895691.3/98



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: -0.005+/-0.019 χ^2/NDF: 19.5/27

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

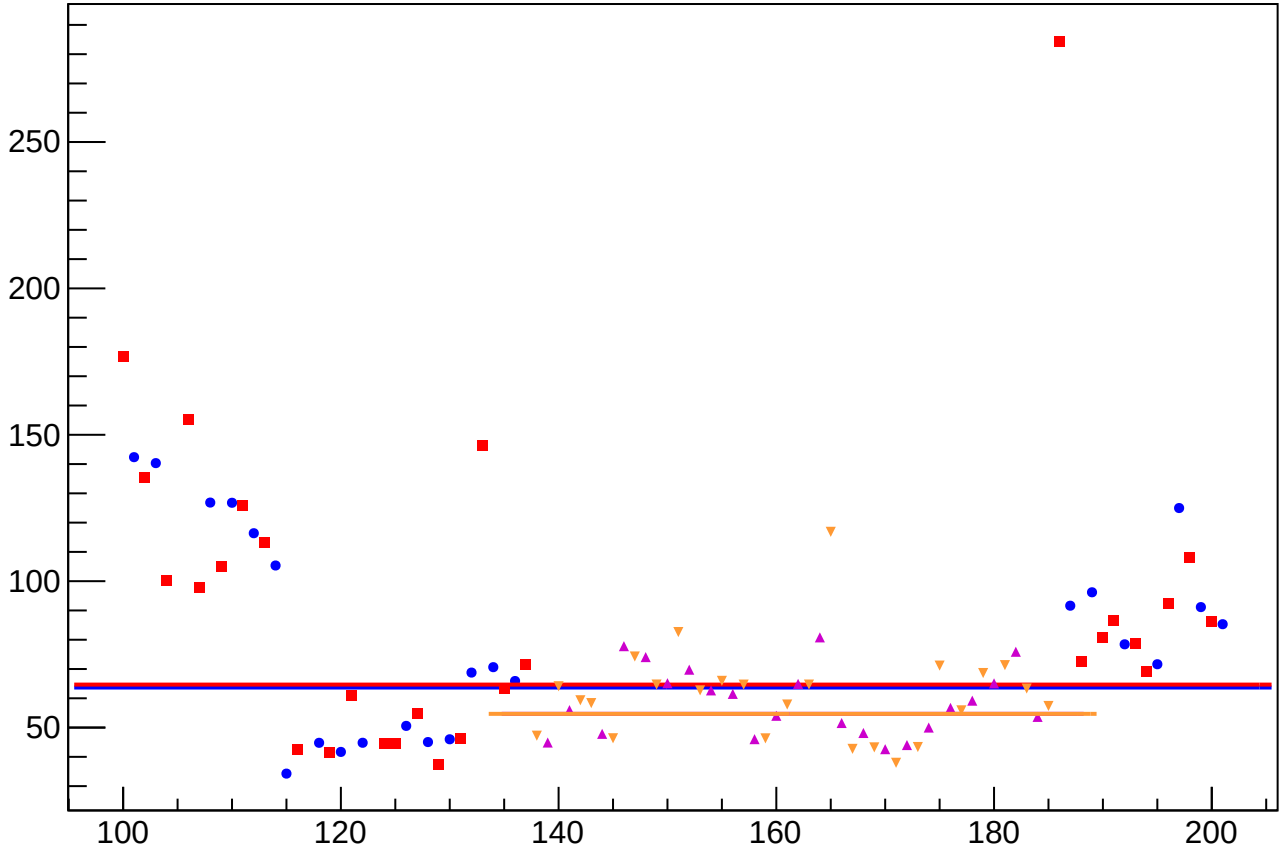
Right: 0.004+/-0.014 χ^2/NDF: 40.3/50

In: 0.012+/-0.011 χ^2/NDF:46.3/45

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/98

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: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

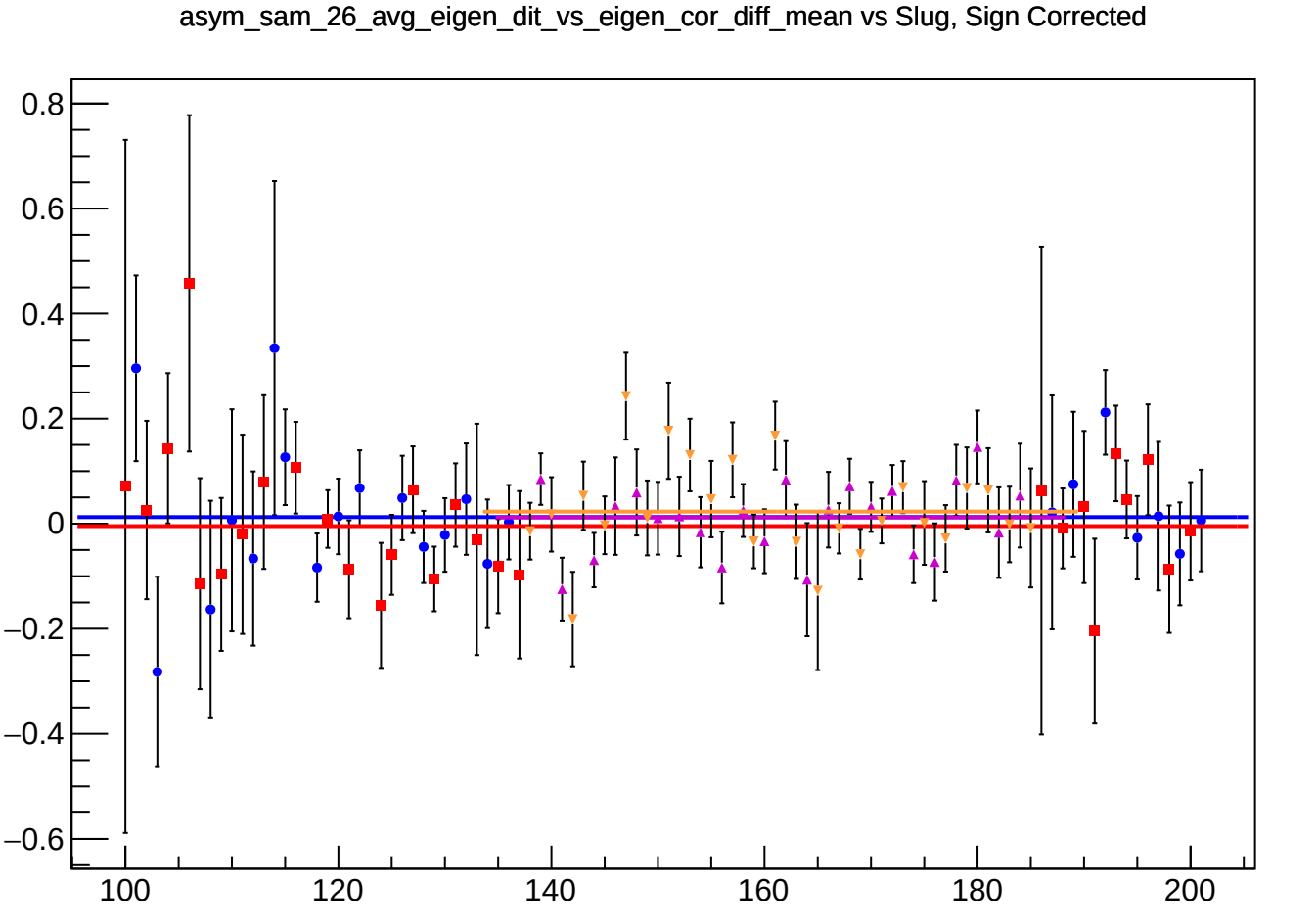
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 64.194+/-0.010 χ^2/NDF: 7124293.0/50

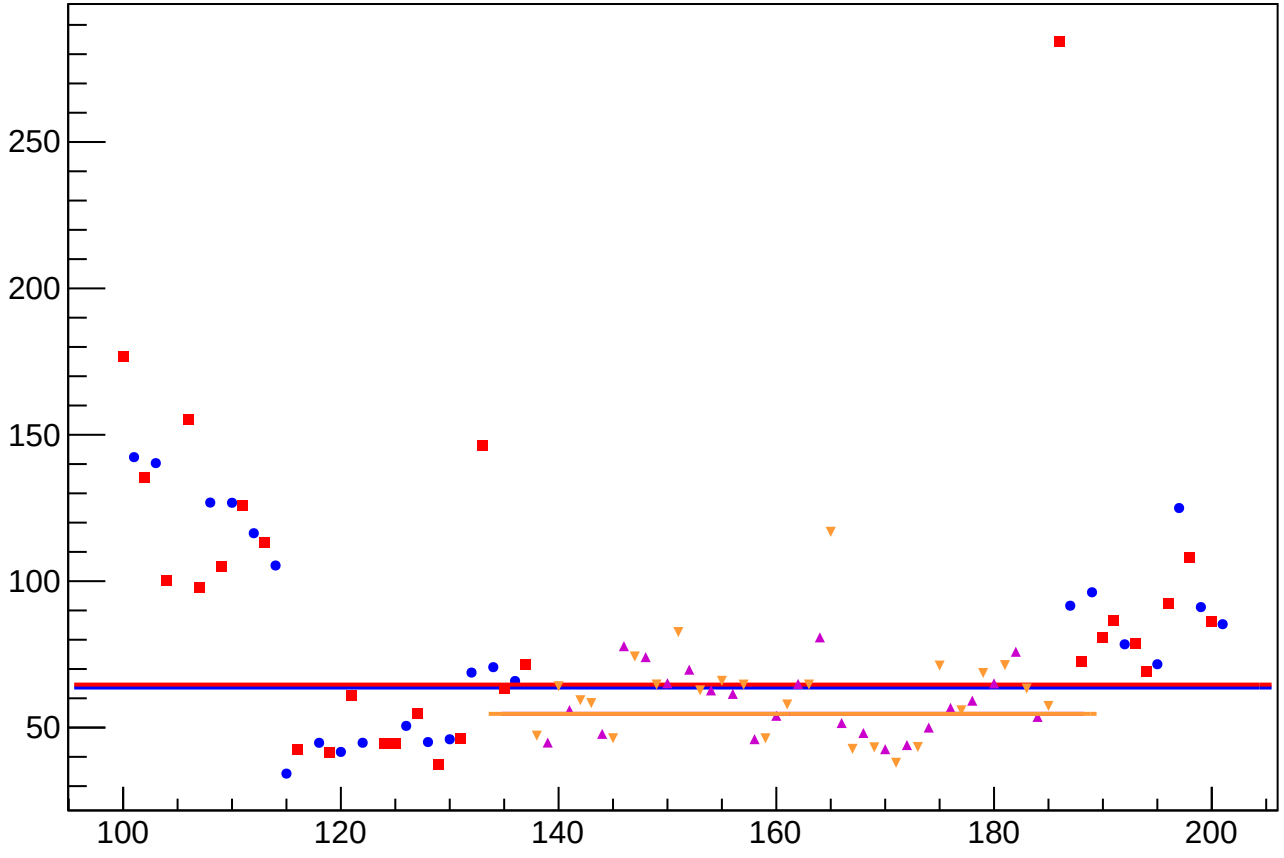
In: 57.410+/-0.008 χ^2/NDF:4728439.4/45

Out: 57.747+/-0.008 χ^2/NDF:6164611.2/52

All: 57.583+/-0.005 χ^2/NDF: 10894003.4/98


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.013+/-0.020 χ²/NDF: 20.4/22
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.005+/-0.019 χ²/NDF: 19.5/27
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.004+/-0.014 χ²/NDF: 40.3/50
In: 0.012+/-0.011 χ²/NDF:46.3/45
Out: 0.015+/-0.011 χ²/NDF:55.1/52
All: 0.013+/-0.008 χ²/NDF: 101.4/98

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: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

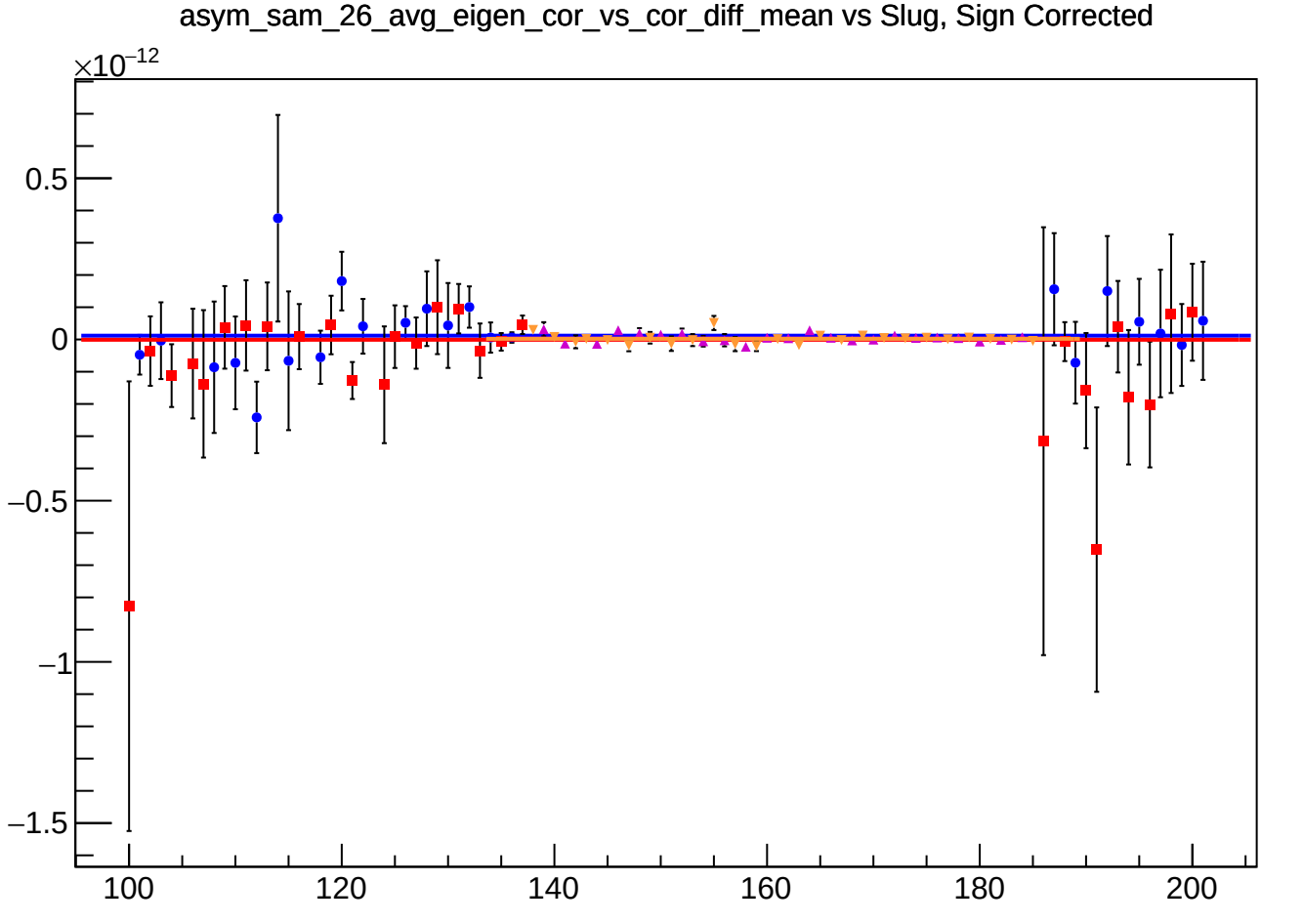
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 64.194+/-0.010 χ^2/NDF: 7124293.0/50

In: 57.410+/-0.008 χ^2/NDF:4728439.4/45

Out: 57.747+/-0.008 χ^2/NDF:6164611.2/52

All: 57.583+/-0.005 χ^2/NDF: 10894003.4/98



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: 19.8/27

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

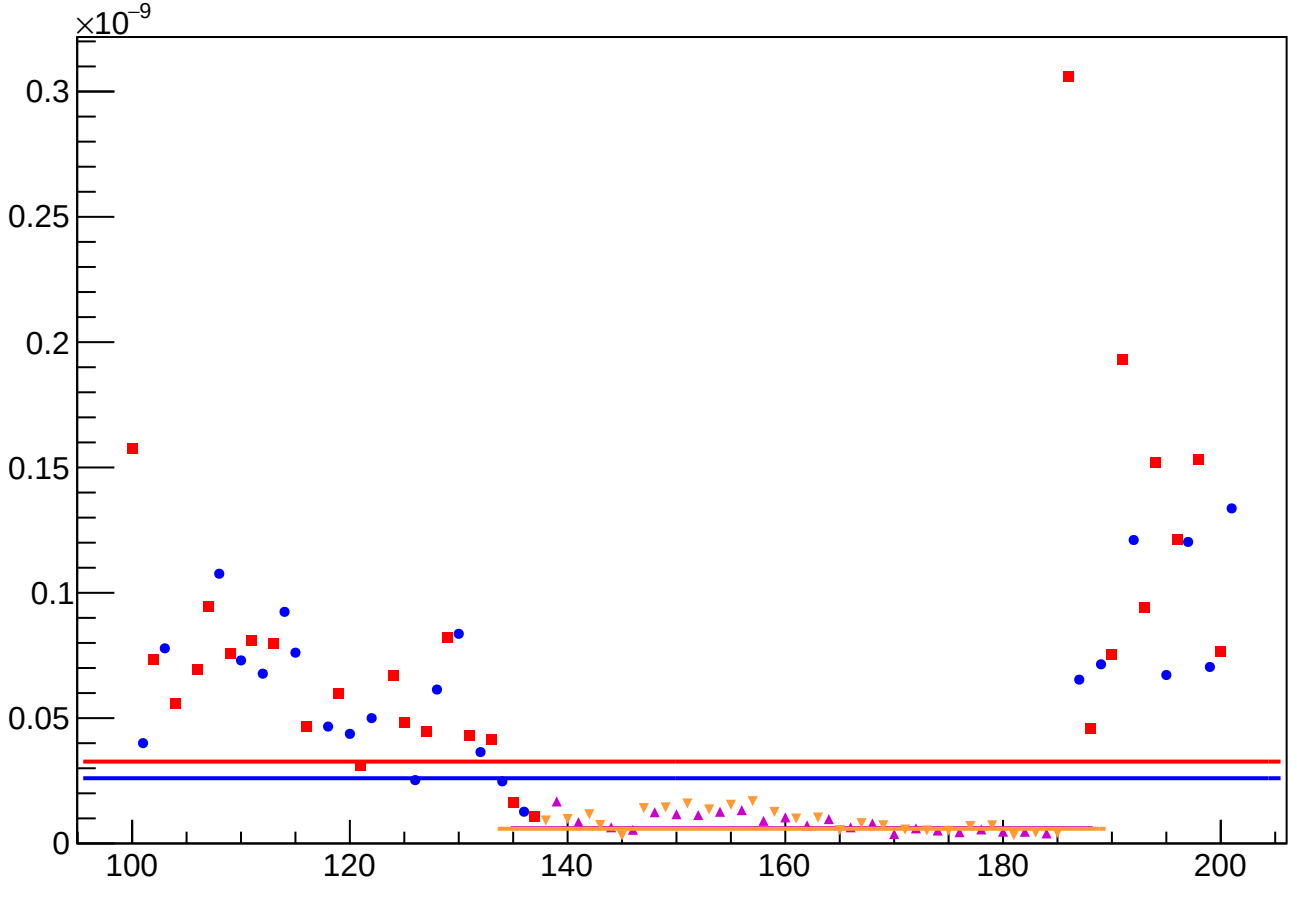
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.9/50

In: 0.000+/-0.000 χ^2/NDF:51.2/45

Out: 0.000+/-0.000 χ^2/NDF:40.6/52

All: 0.000+/-0.000 χ^2/NDF: 91.9/98



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: 6890993.7/27

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

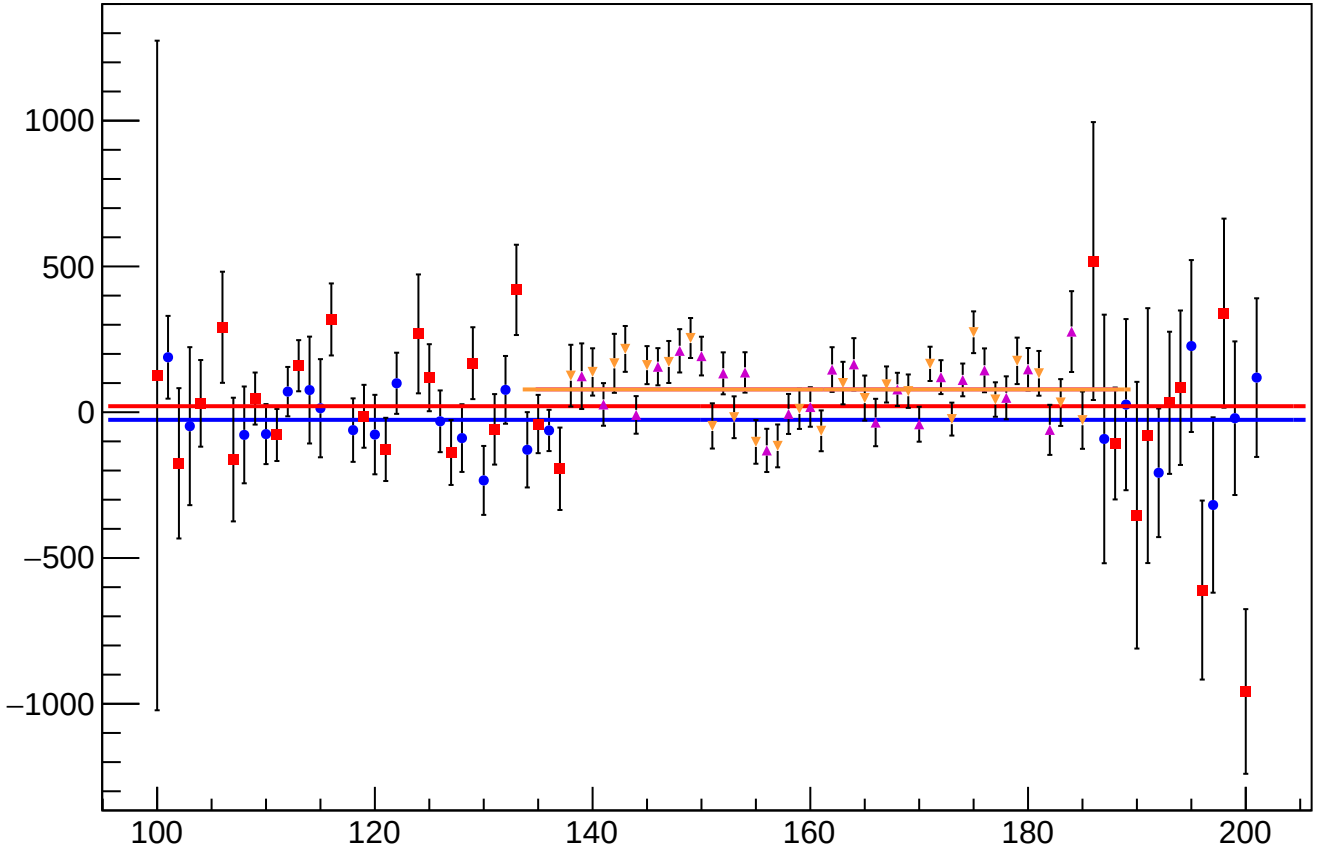
Right: 0.000+/-0.000 χ^2/NDF: 13528727.9/50

In: 0.000+/-0.000 χ^2/NDF:14552909.4/45

Out: 0.000+/-0.000 χ^2/NDF:18981812.5/52

All: 0.000+/-0.000 χ^2/NDF: 33559085.9/98

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 20.666+/-27.314 χ^2/NDF: 49.9/27

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

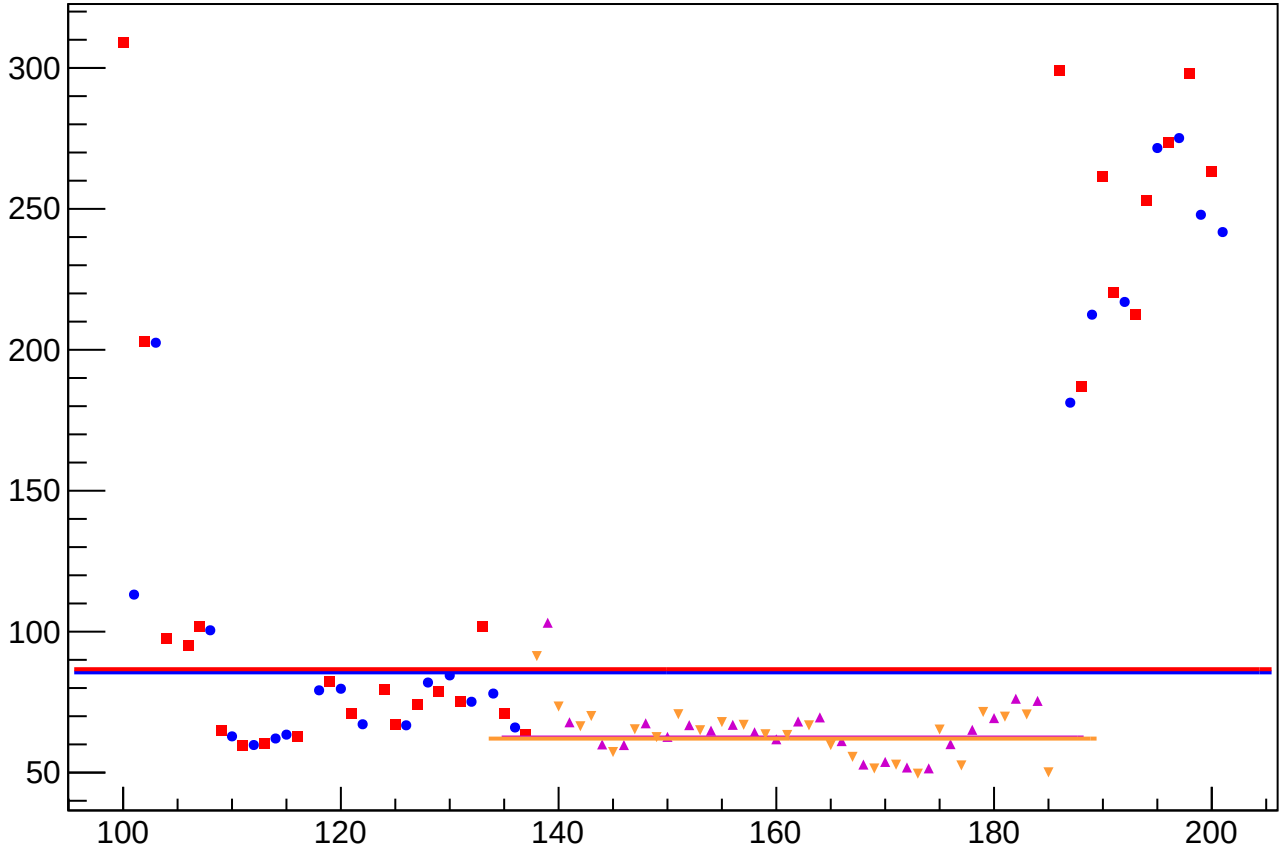
Right: -2.221+/-19.519 χ^2/NDF: 65.0/50

In: 55.510+/-13.082 χ^2/NDF:61.3/45

Out: 65.755+/-12.687 χ^2/NDF:107.2/52

All: 60.790+/-9.107 χ^2/NDF: 168.9/98

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: 86.681+/-0.019 χ^2/NDF: 6458459.6/27

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

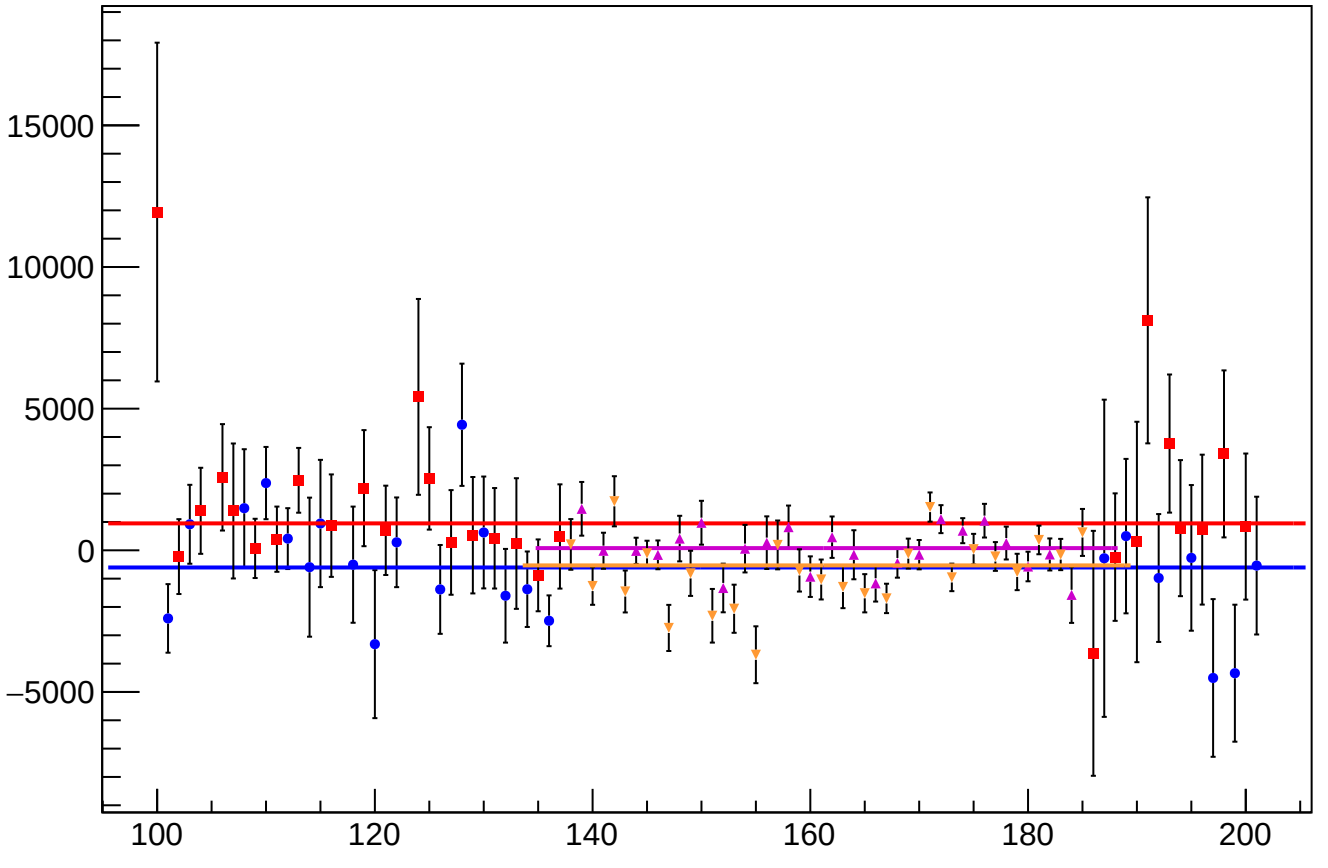
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 86.131+/-0.014 χ^2/NDF: 11781362.5/50

In: 67.526+/-0.009 χ^2/NDF:7056504.0/45

Out: 67.374+/-0.009 χ^2/NDF:8419228.5/52

All: 67.448+/-0.006 χ^2/NDF: 15475872.1/98



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: 950.448+/-346.549 χ^2/NDF: 19.3/27

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

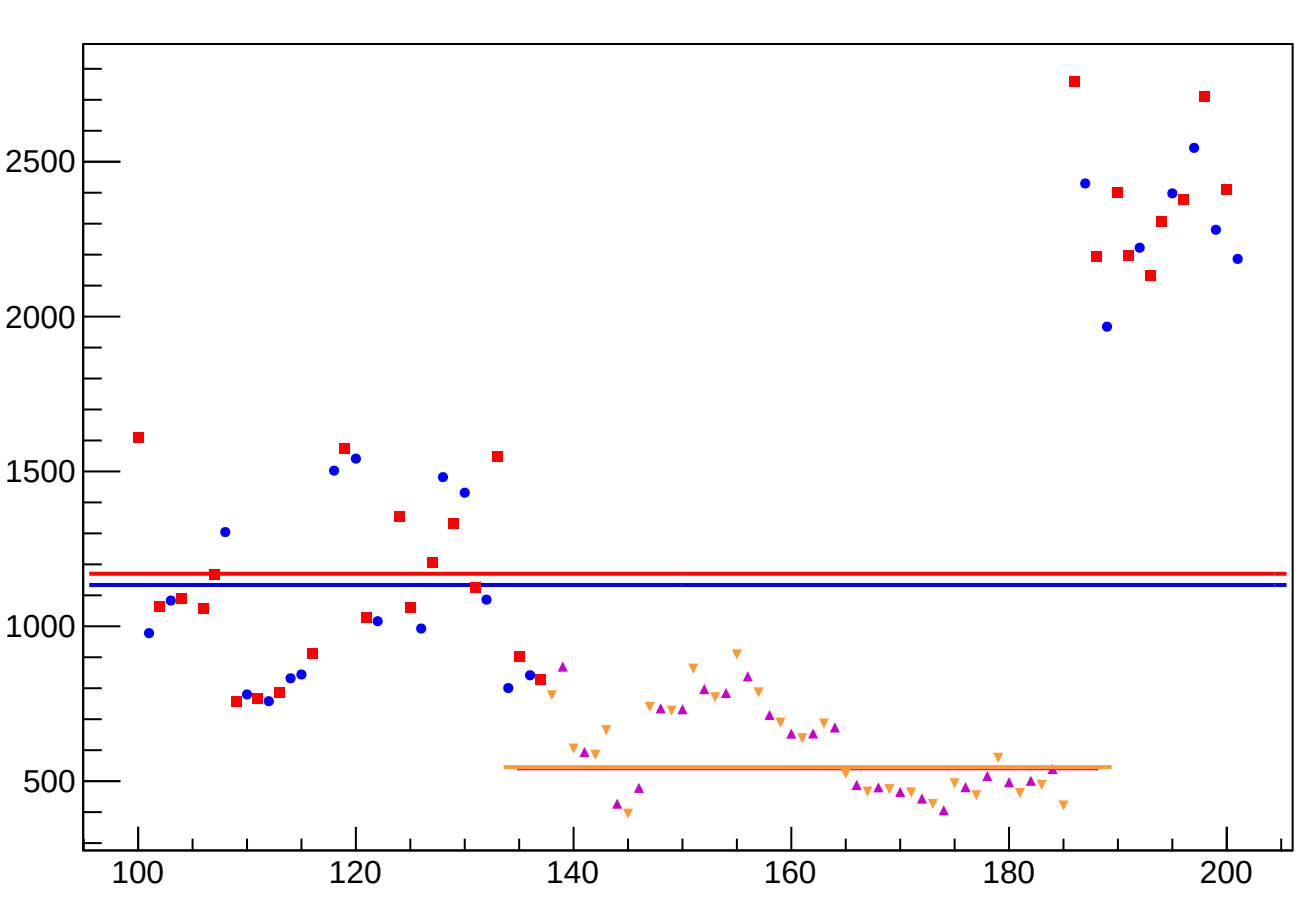
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 183.196+/-246.782 χ^2/NDF: 57.6/50

In: -5.208+/-122.190 χ^2/NDF:60.1/45

Out: -354.902+/-120.011 χ^2/NDF:104.5/52

All: -183.201+/-85.621 χ^2/NDF: 168.8/98



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: 1169.708+/-0.245 χ^2/NDF: 4339677.3/27

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

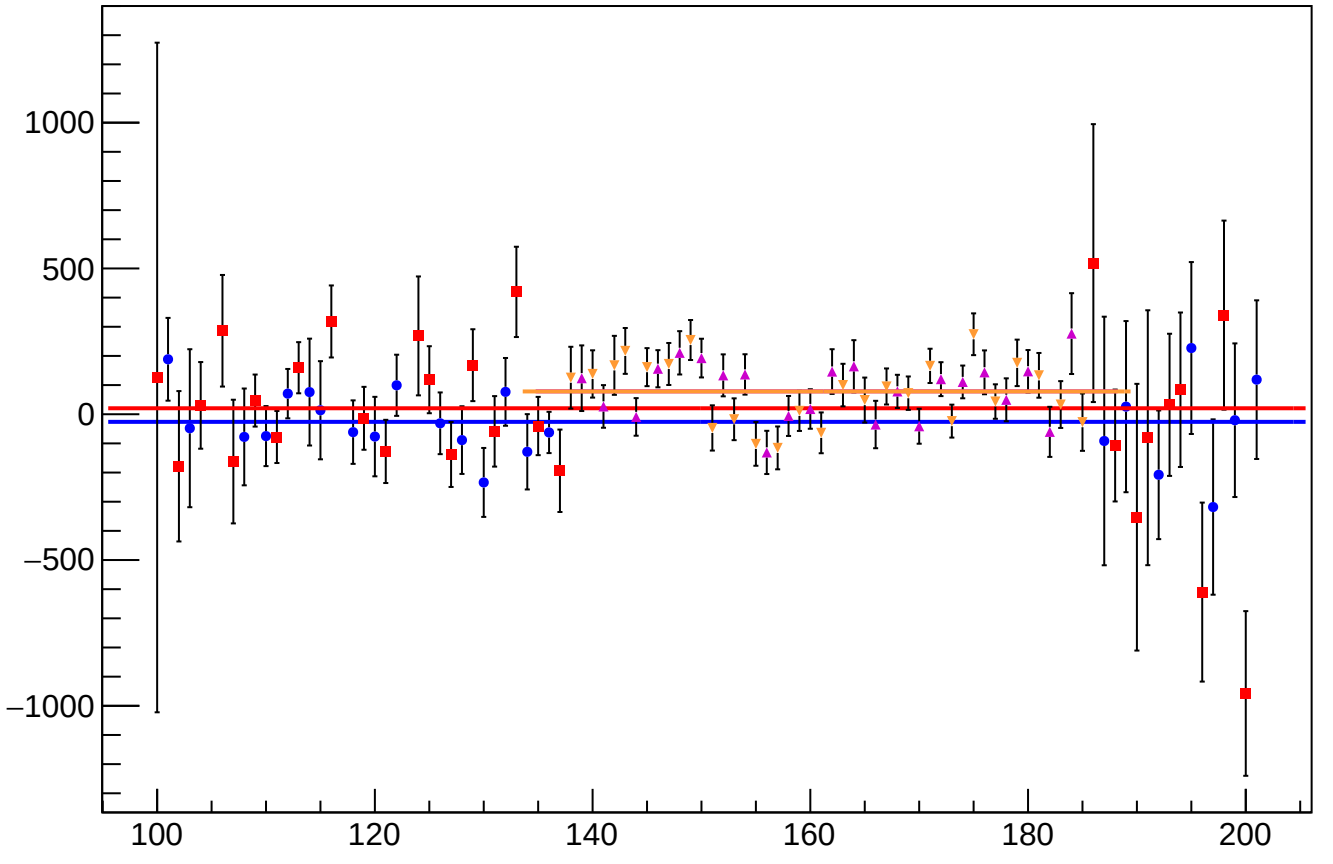
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1151.827+/-0.175 χ^2/NDF: 8020165.3/50

In: 612.990+/-0.086 χ^2/NDF:10496930.1/45

Out: 620.186+/-0.085 χ^2/NDF:12137512.7/52

All: 616.653+/-0.061 χ^2/NDF: 22637973.4/98



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: 20.478+/-27.316 χ^2/NDF: 49.8/27

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

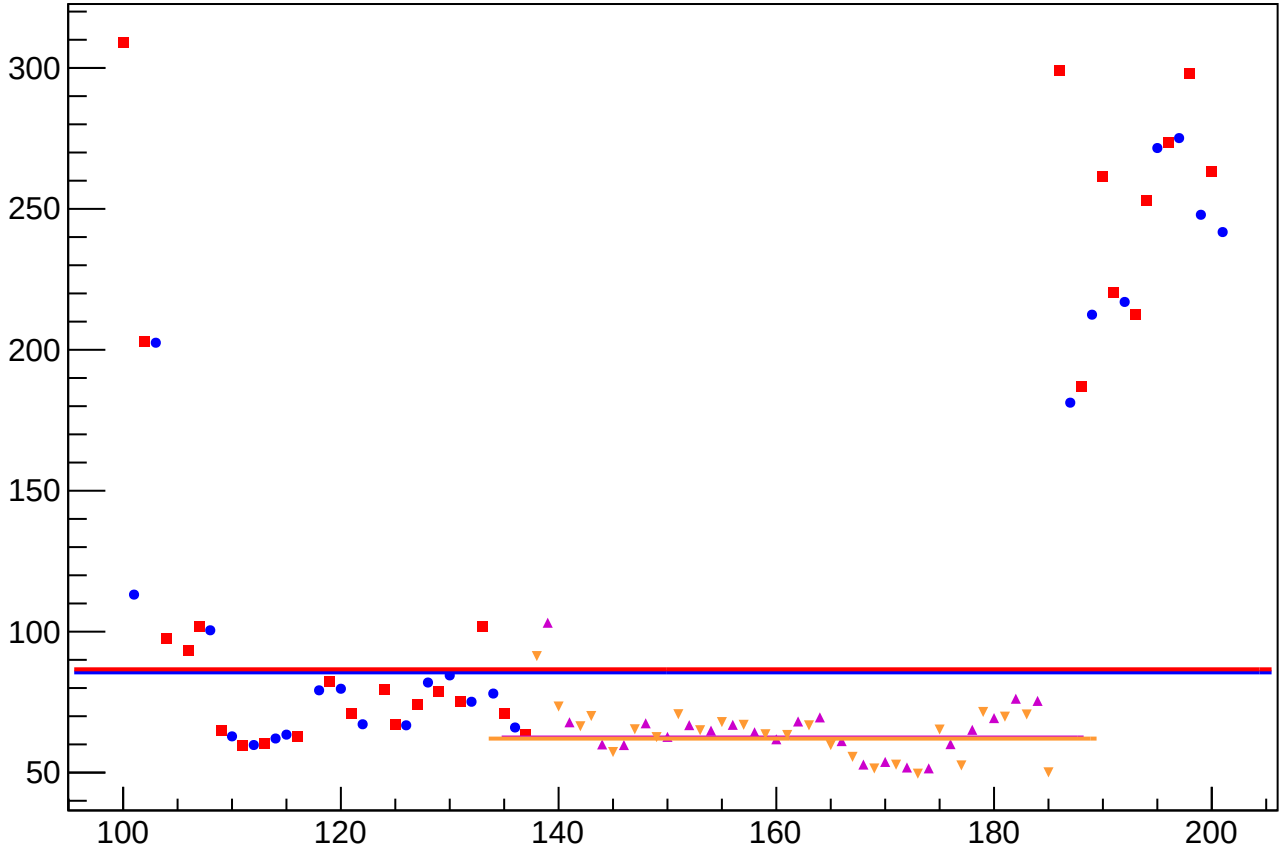
Right: -2.324+/-19.520 χ^2/NDF: 64.9/50

In: 55.508+/-13.082 χ^2/NDF:61.3/45

Out: 65.719+/-12.687 χ^2/NDF:107.2/52

All: 60.770+/-9.108 χ^2/NDF: 168.8/98

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

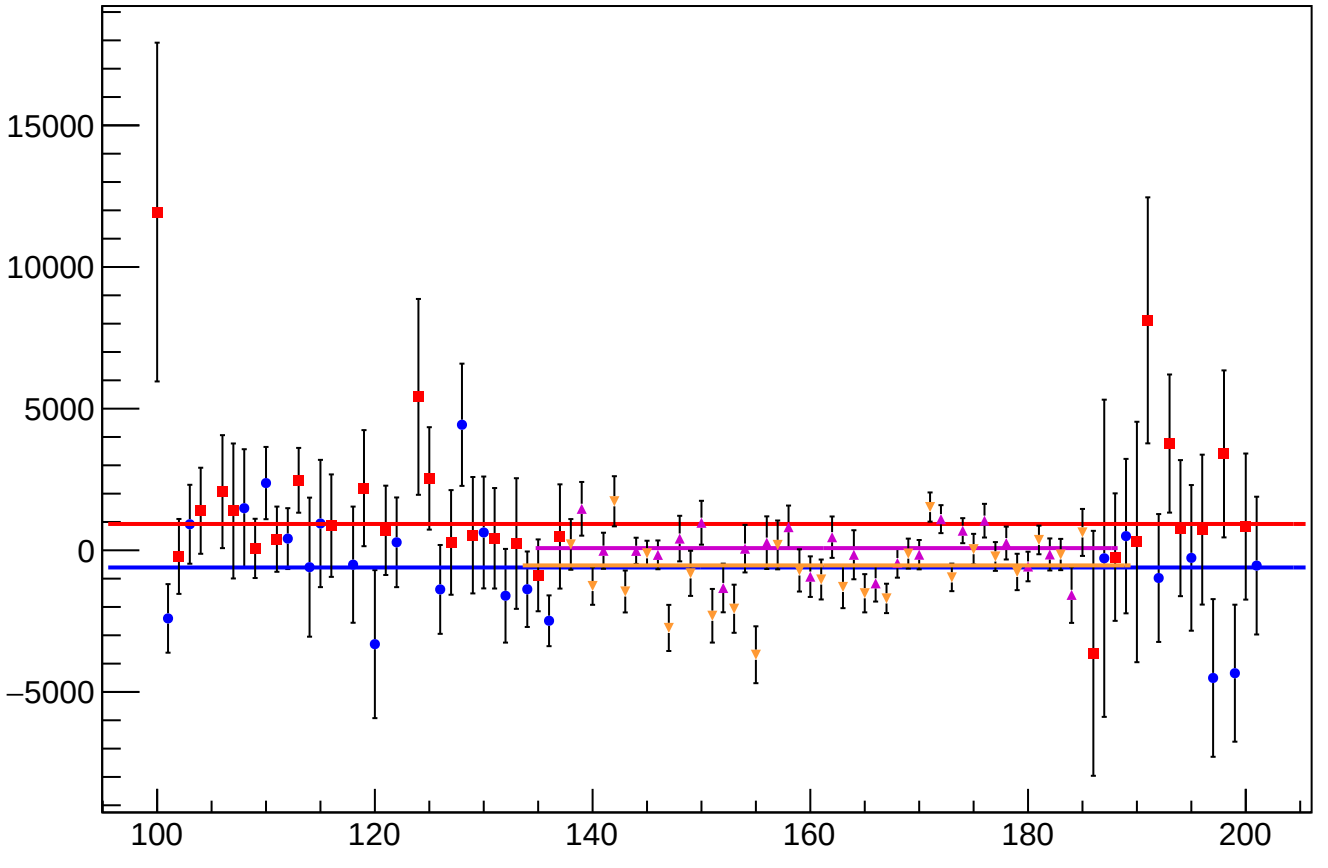
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 86.113+/-0.014 χ^2/NDF: 11780053.4/50

In: 67.526+/-0.009 χ^2/NDF:7056505.9/45

Out: 67.365+/-0.009 χ^2/NDF:8414094.1/52

All: 67.443+/-0.006 χ^2/NDF: 15470755.8/98



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: 929.445+/-347.237 χ^2/NDF: 18.8/27

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

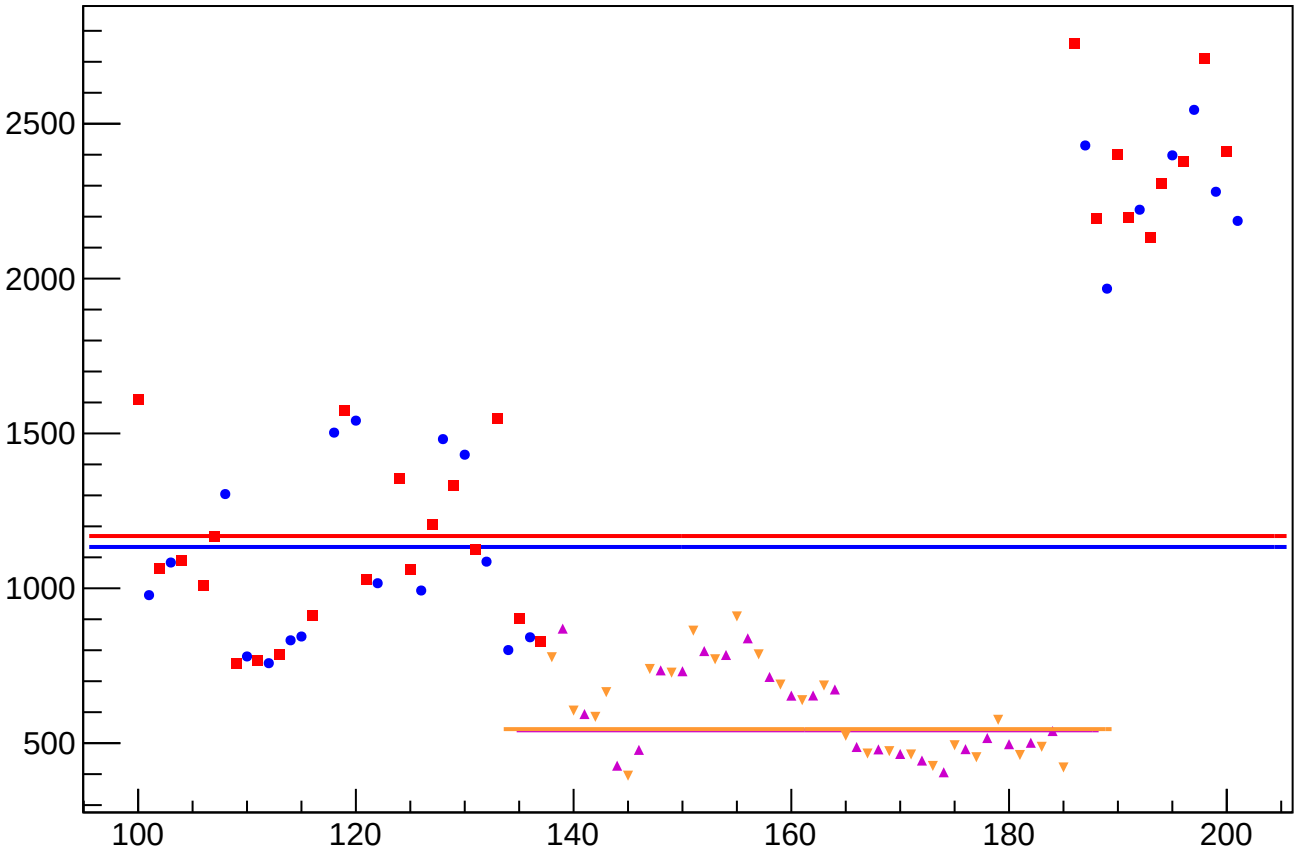
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 171.033+/-247.031 χ^2/NDF: 56.9/50

In: -5.206+/-122.190 χ^2/NDF:60.1/45

Out: -358.030+/-120.039 χ^2/NDF:103.6/52

All: -184.751+/-85.631 χ^2/NDF: 167.9/98



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: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

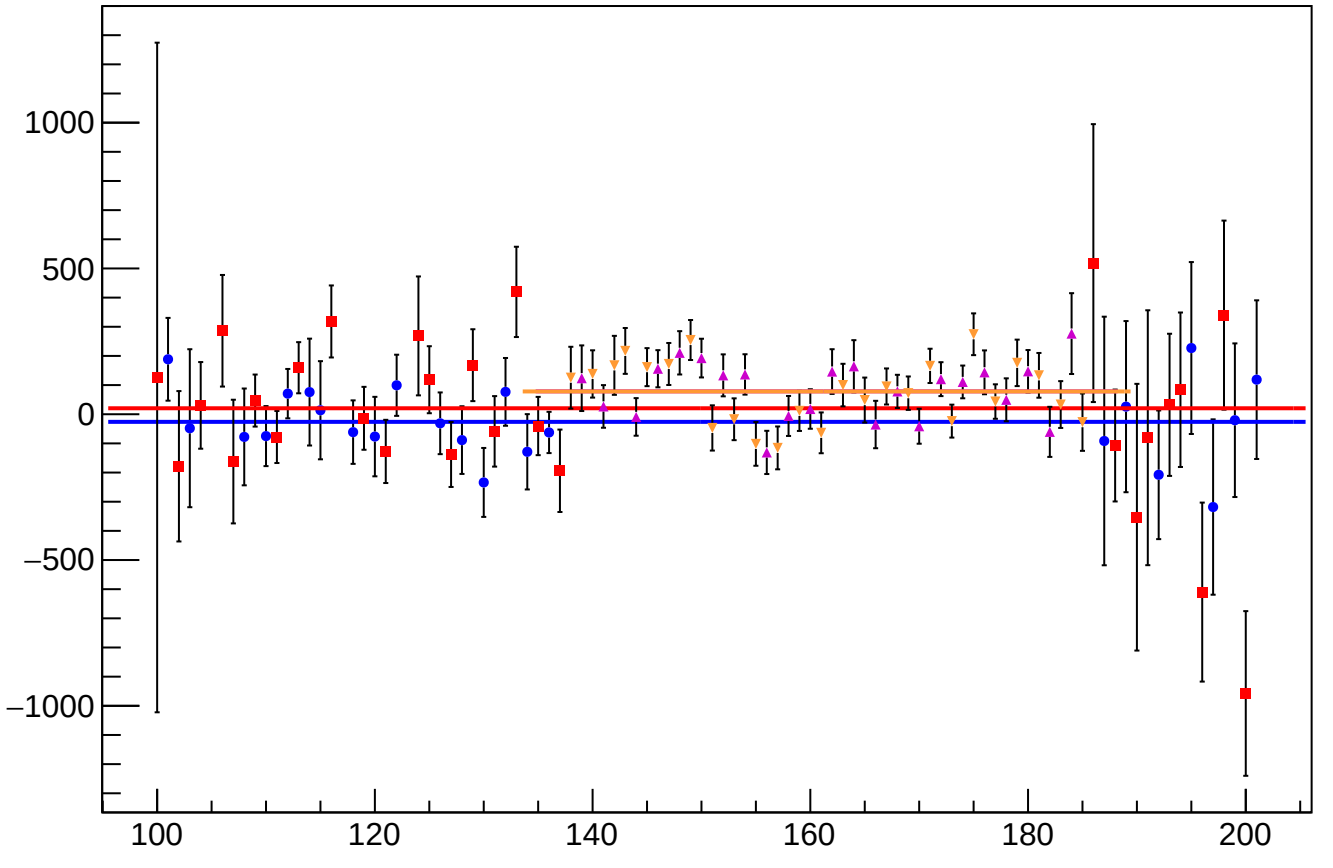
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1151.308+/-0.175 χ^2/NDF: 8025146.1/50

In: 612.990+/-0.086 χ^2/NDF:10496987.7/45

Out: 619.810+/-0.085 χ^2/NDF:12105650.8/52

All: 616.461+/-0.061 χ^2/NDF: 22605808.8/98



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: 20.478+/-27.316 χ^2/NDF: 49.8/27

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

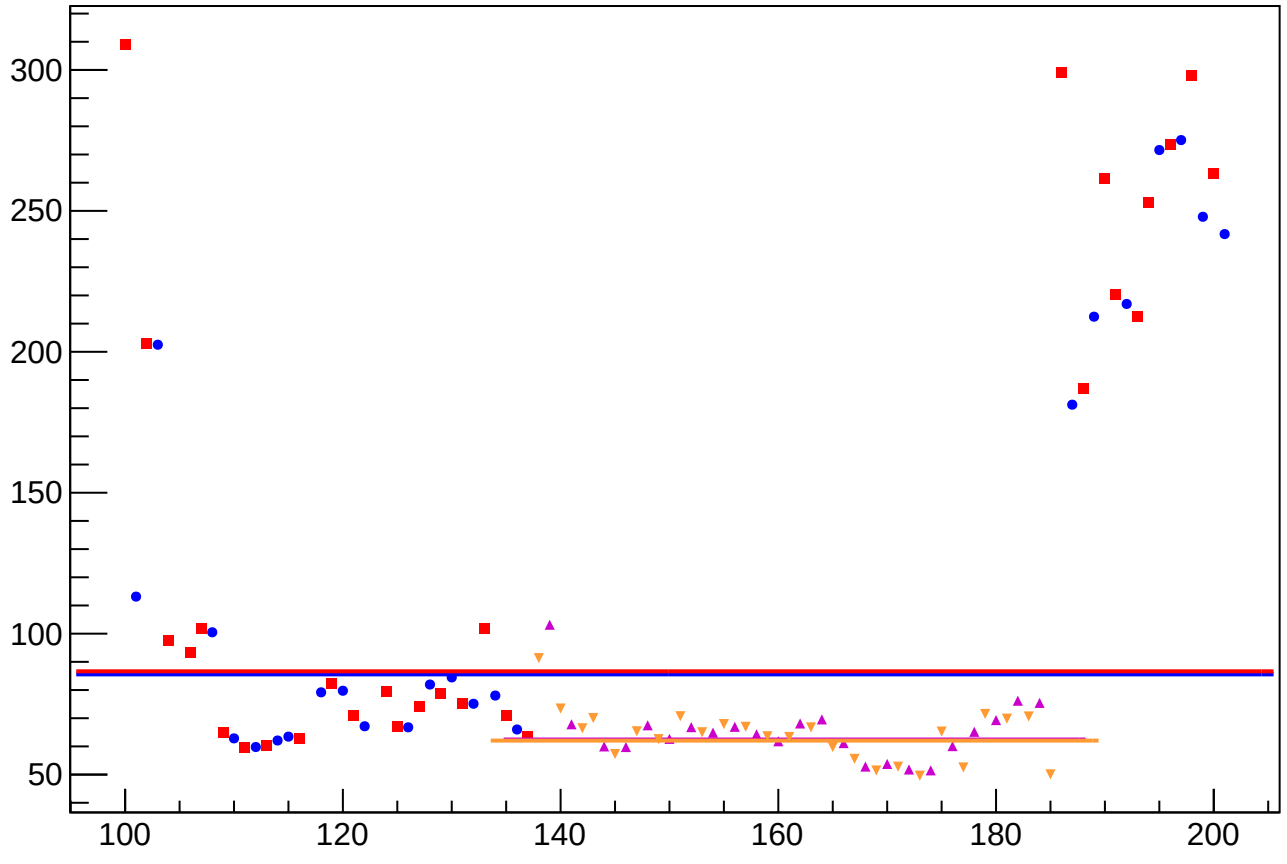
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -2.324+/-19.520 χ^2/NDF: 64.9/50

In: 55.508+/-13.082 χ^2/NDF:61.3/45

Out: 65.719+/-12.687 χ^2/NDF:107.2/52

All: 60.770+/-9.108 χ^2/NDF: 168.8/98



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: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

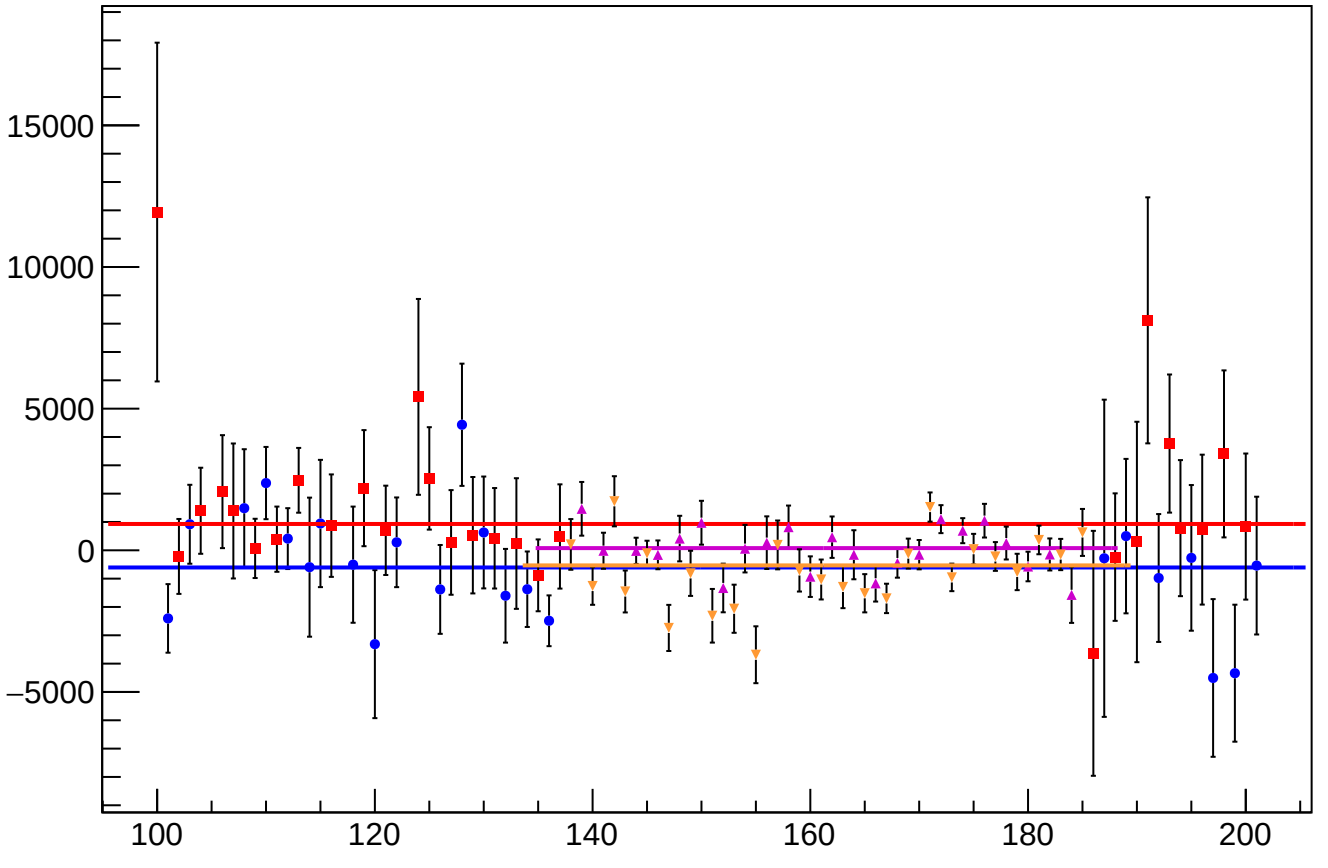
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 86.113+/-0.014 χ^2/NDF: 11780053.4/50

In: 67.526+/-0.009 χ^2/NDF:7056505.9/45

Out: 67.365+/-0.009 χ^2/NDF:8414094.1/52

All: 67.443+/-0.006 χ^2/NDF: 15470755.8/98



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: 929.445+/-347.237 χ^2/NDF: 18.8/27

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

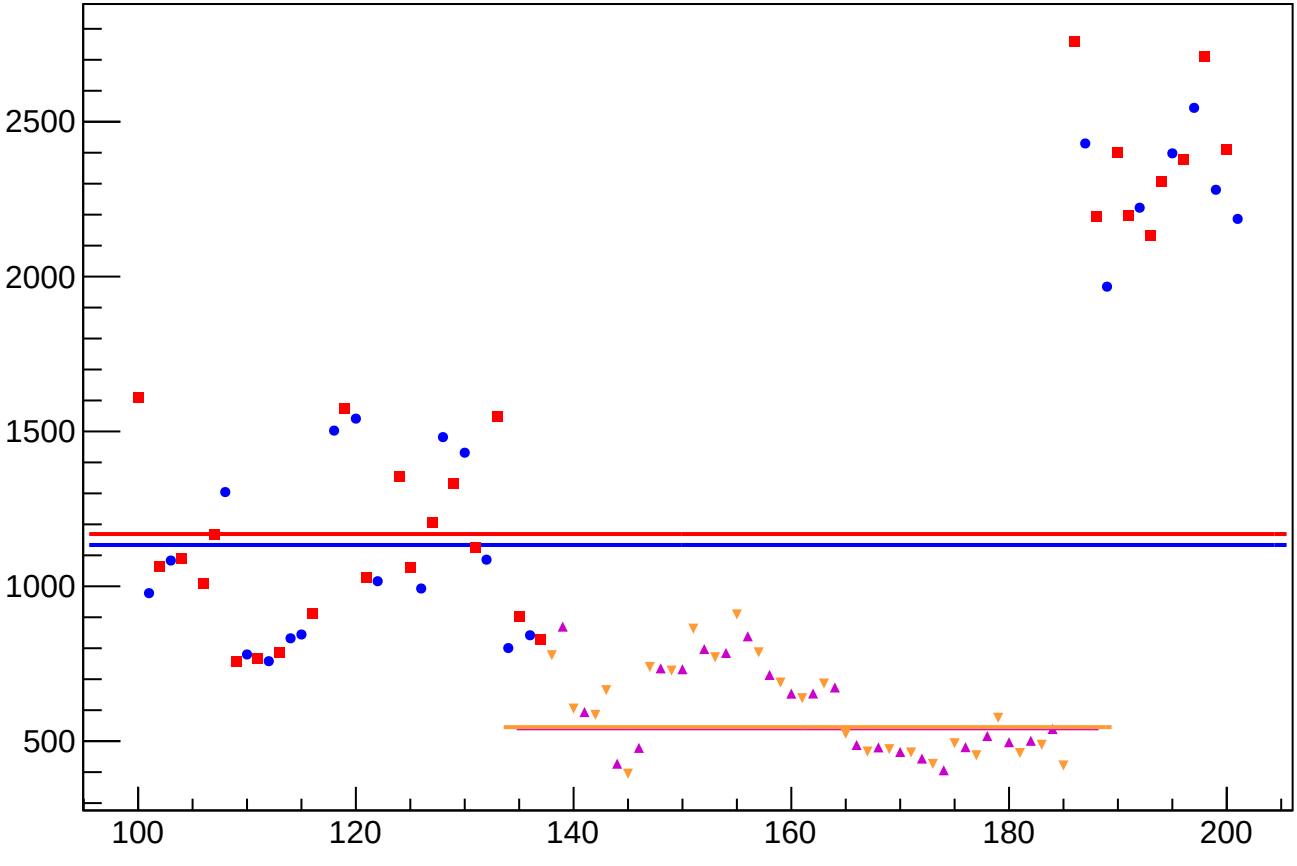
Right: 171.033+/-247.031 χ^2/NDF: 56.9/50

In: -5.206+/-122.190 χ^2/NDF:60.1/45

Out: -358.030+/-120.039 χ^2/NDF:103.6/52

All: -184.751+/-85.631 χ^2/NDF: 167.9/98

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: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

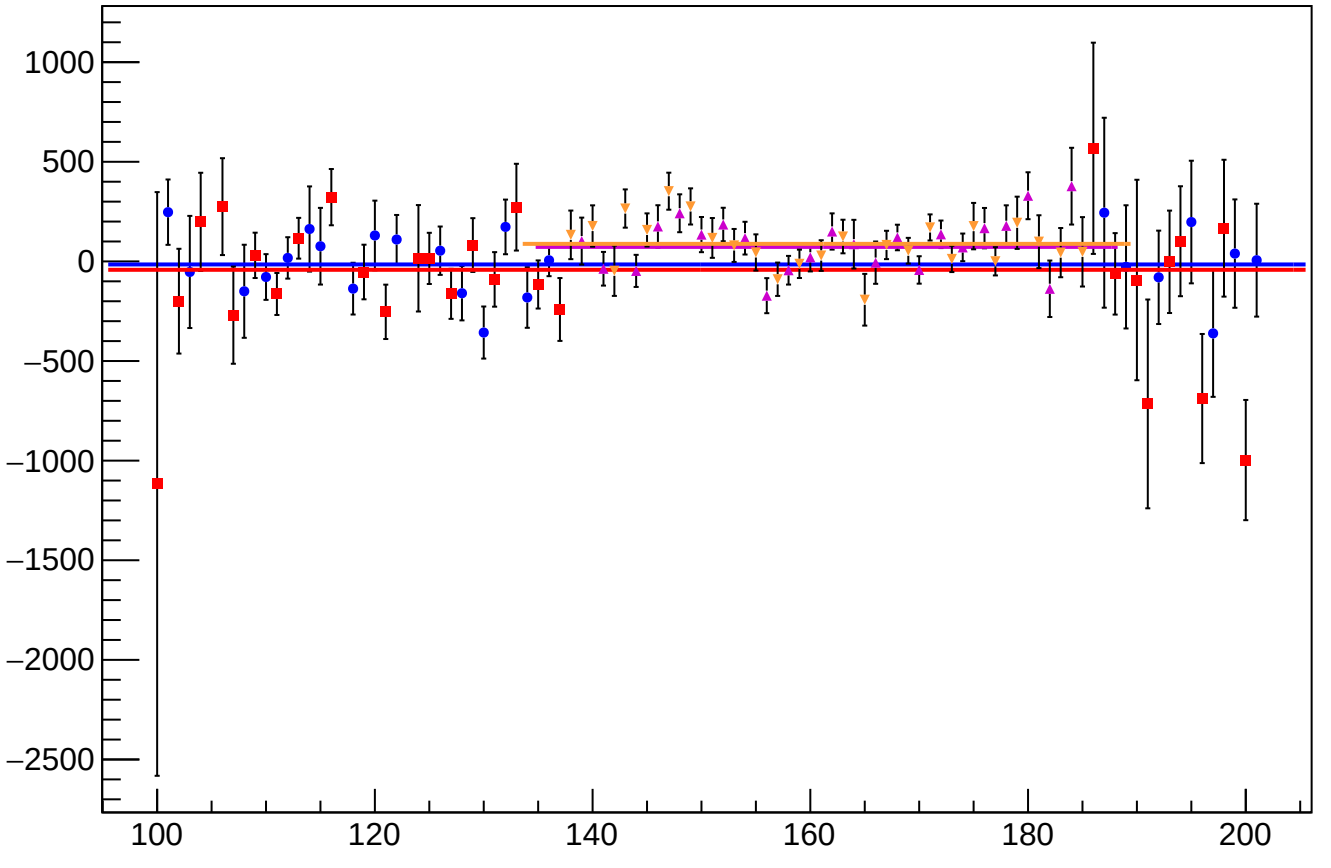
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1151.308+/-0.175 χ^2/NDF: 8025146.1/50

In: 612.990+/-0.086 χ^2/NDF:10496987.7/45

Out: 619.810+/-0.085 χ^2/NDF:12105650.8/52

All: 616.461+/-0.061 χ^2/NDF: 22605808.8/98



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: -42.154+/-32.382 χ^2/NDF: 41.5/27

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

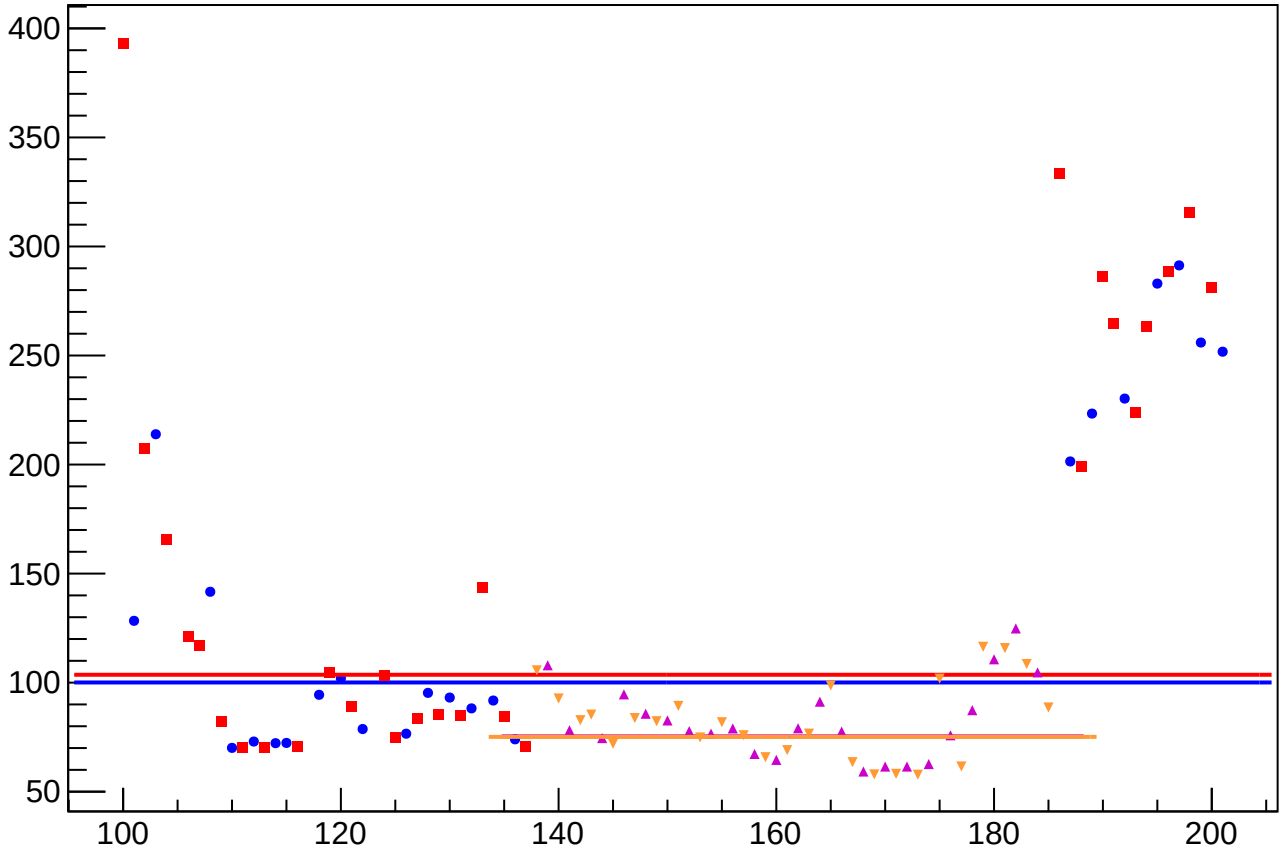
Right: -28.711+/-22.878 χ^2/NDF: 62.1/50

In: 51.498+/-15.910 χ^2/NDF:64.4/45

Out: 57.973+/-15.561 χ^2/NDF:90.8/52

All: 54.807+/-11.125 χ^2/NDF: 155.3/98

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: 103.607+/-0.023 χ^2/NDF: 6046197.3/27

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

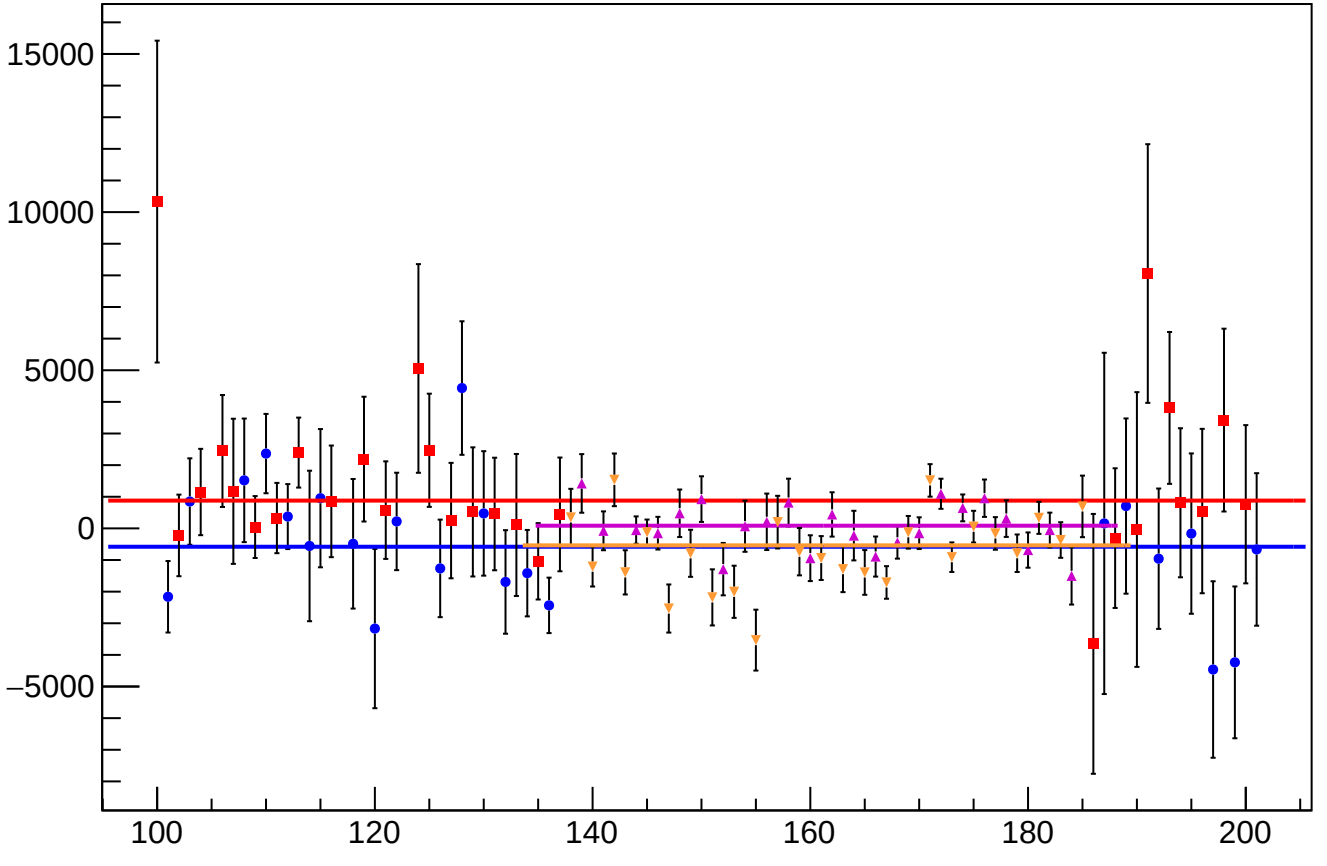
Right: 101.838+/-0.016 χ^2/NDF: 10921435.6/50

In: 81.348+/-0.011 χ^2/NDF:6974191.0/45

Out: 81.705+/-0.011 χ^2/NDF:8837399.6/52

All: 81.530+/-0.008 χ^2/NDF: 15812106.0/98

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -580.639+/-343.428 χ^2/NDF: 28.4/22

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 878.402+/-333.953 χ^2/NDF: 20.6/27

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

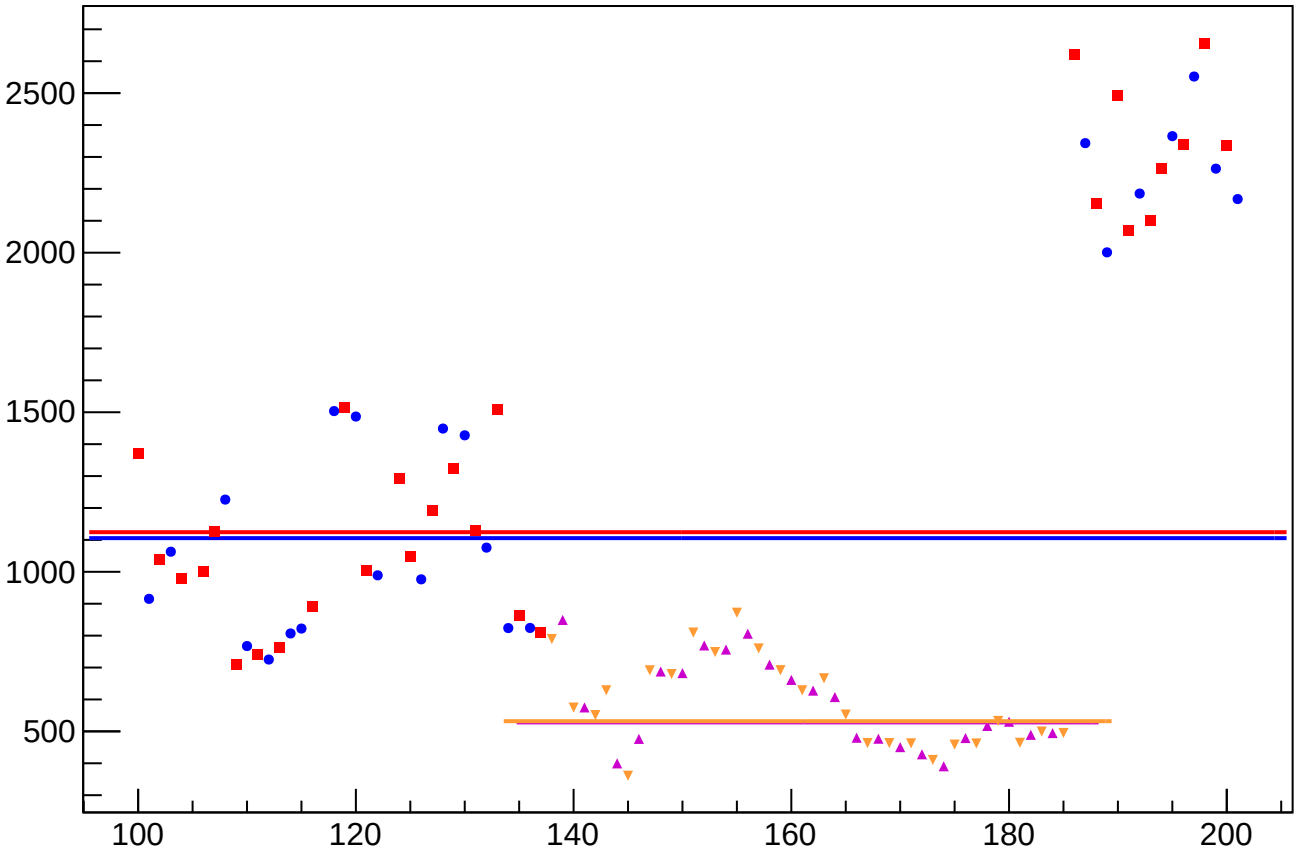
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 169.285+/-239.420 χ^2/NDF: 58.3/50

In: 4.587+/-119.149 χ^2/NDF:59.2/45

Out: -364.170+/-116.633 χ^2/NDF:103.4/52

All: -183.725+/-83.347 χ^2/NDF: 167.4/98



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: 1124.151+/-0.236 χ^2/NDF: 4499423.8/27

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

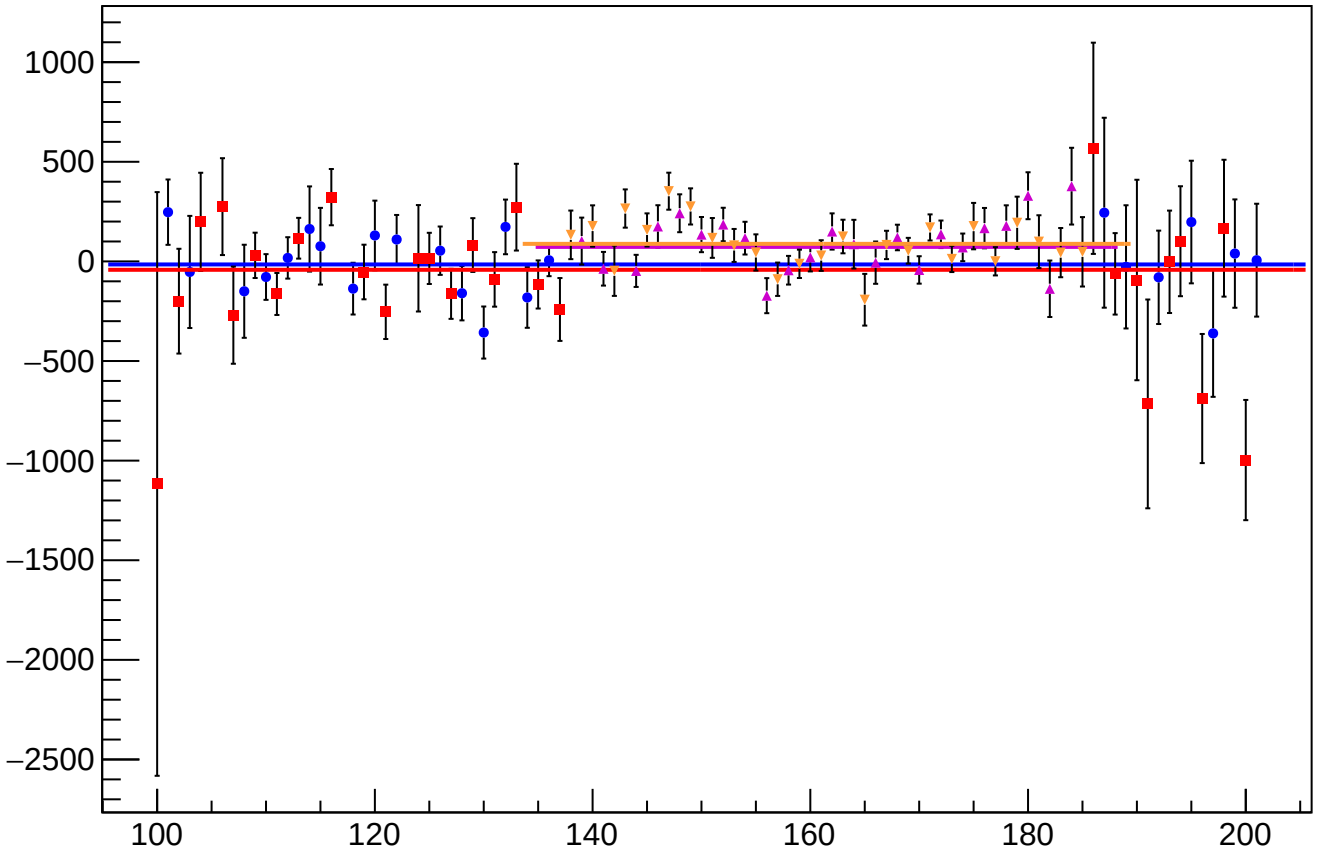
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1115.079+/-0.169 χ^2/NDF: 8271941.0/50

In: 597.498+/-0.084 χ^2/NDF:10544593.8/45

Out: 604.116+/-0.082 χ^2/NDF:12060711.0/52

All: 600.877+/-0.059 χ^2/NDF: 22608456.2/98



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: -42.157+/-32.382 χ^2/NDF: 41.5/27

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

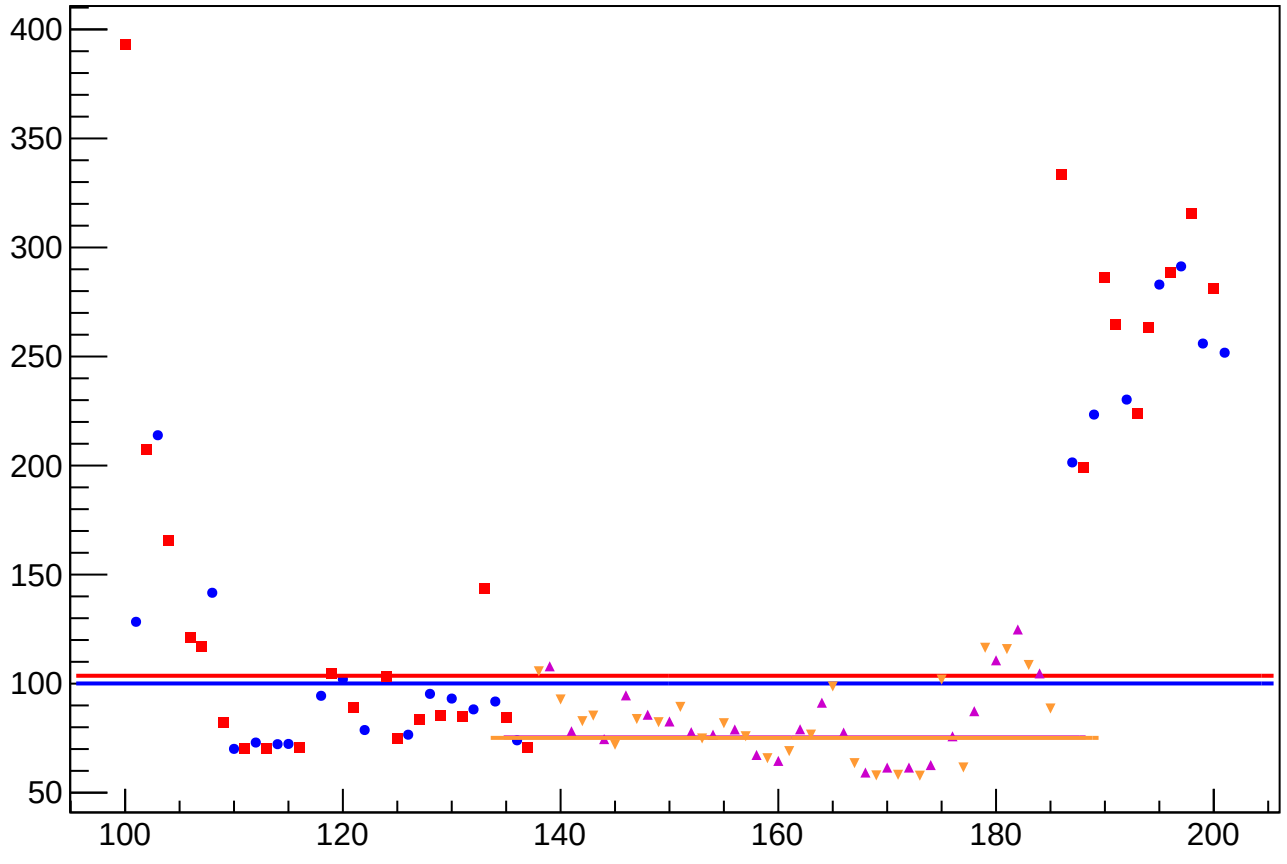
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -28.712+/-22.879 χ^2/NDF: 62.1/50

In: 51.497+/-15.910 χ^2/NDF:64.4/45

Out: 57.973+/-15.561 χ^2/NDF:90.8/52

All: 54.807+/-11.125 χ^2/NDF: 155.3/98



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: 103.608+/-0.023 χ^2/NDF: 6046173.6/27

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

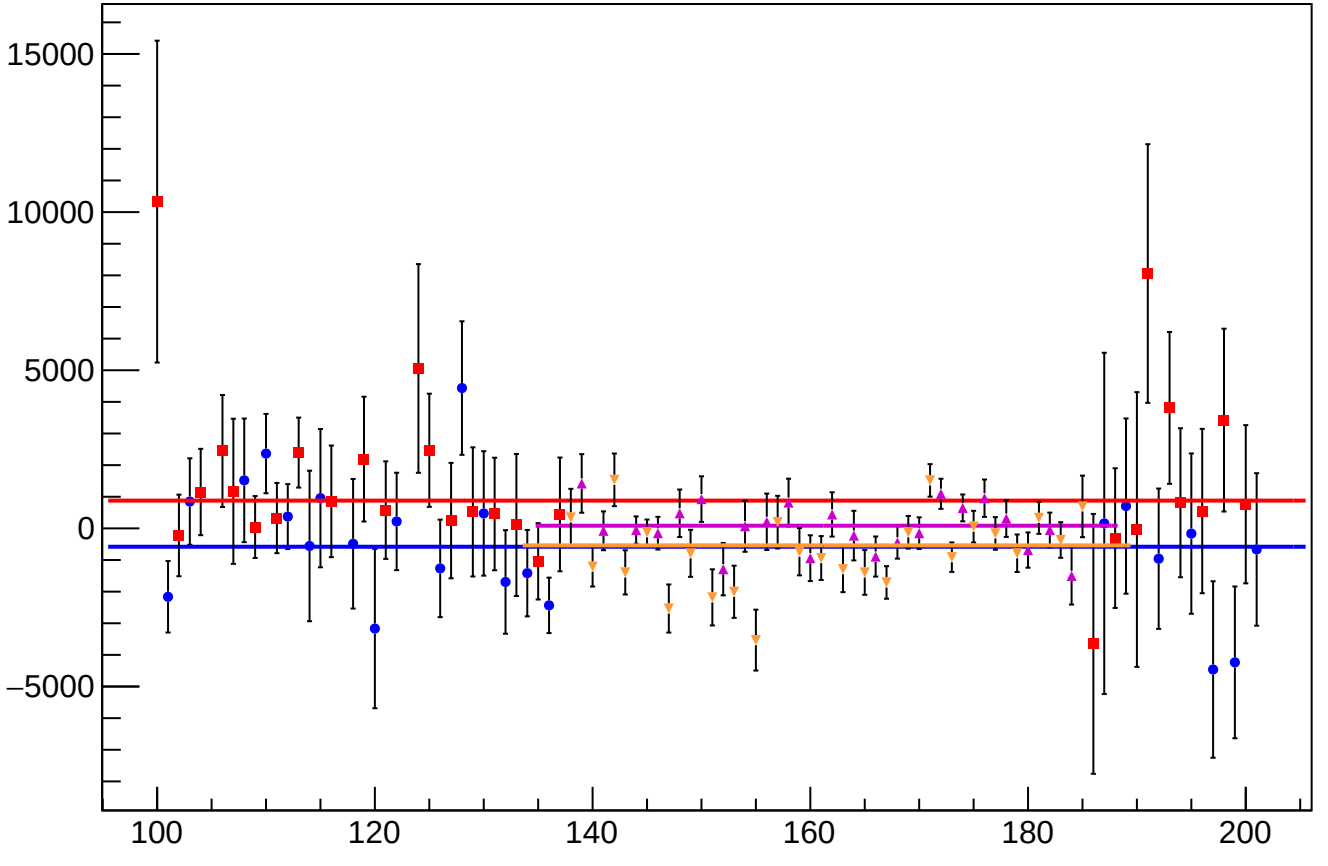
Right: 101.838+/-0.016 χ^2/NDF: 10921387.5/50

In: 81.348+/-0.011 χ^2/NDF:6974176.2/45

Out: 81.705+/-0.011 χ^2/NDF:8837391.7/52

All: 81.531+/-0.008 χ^2/NDF: 15812083.4/98

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -580.636+/-343.427 χ^2/NDF: 28.4/22

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 878.401+/-333.953 χ^2/NDF: 20.6/27

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

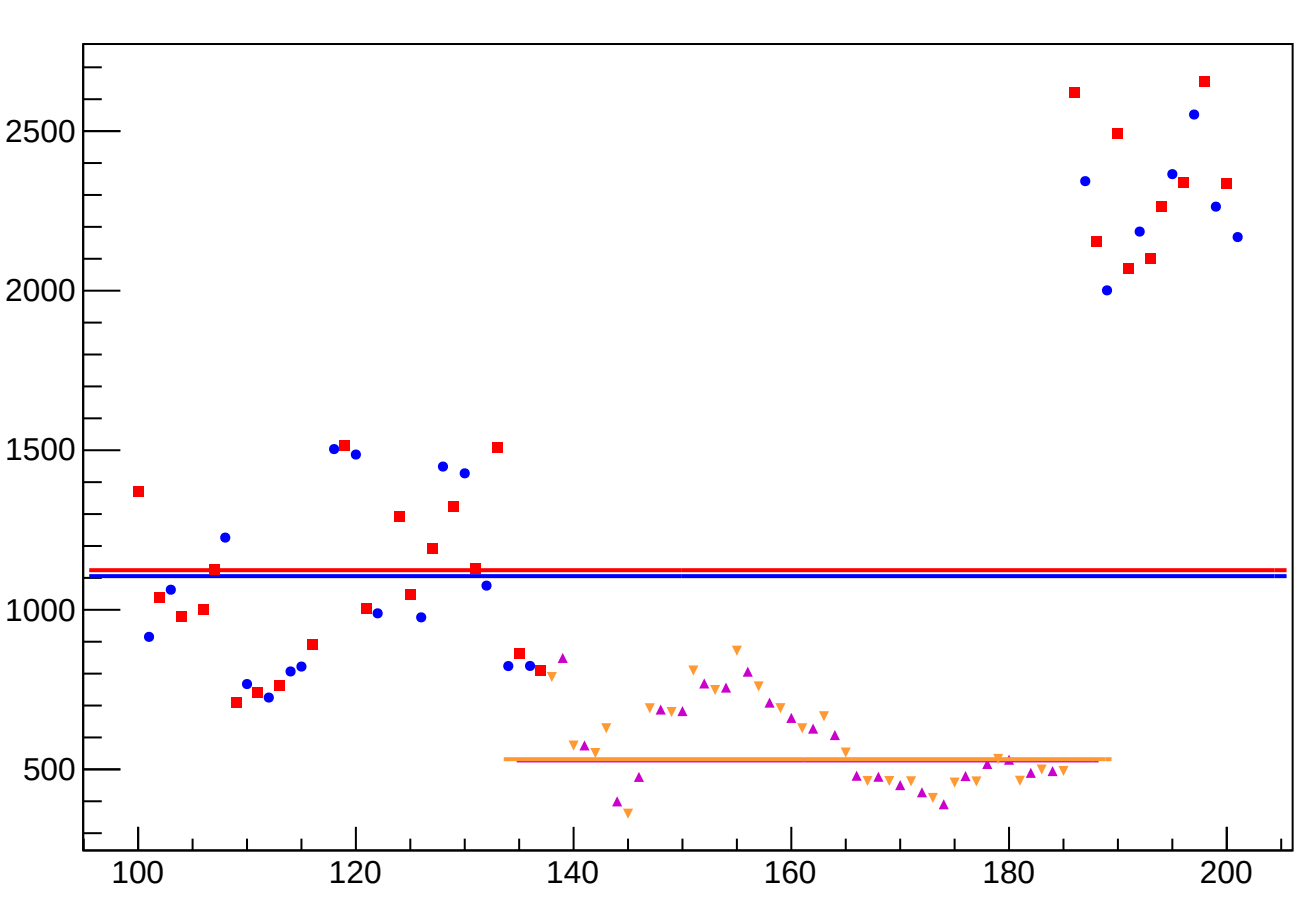
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 169.286+/-239.420 χ^2/NDF: 58.3/50

In: 4.587+/-119.149 χ^2/NDF:59.2/45

Out: -364.170+/-116.633 χ^2/NDF:103.4/52

All: -183.725+/-83.347 χ^2/NDF: 167.4/98



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: 1124.149+/-0.236 χ^2/NDF: 4499429.8/27

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

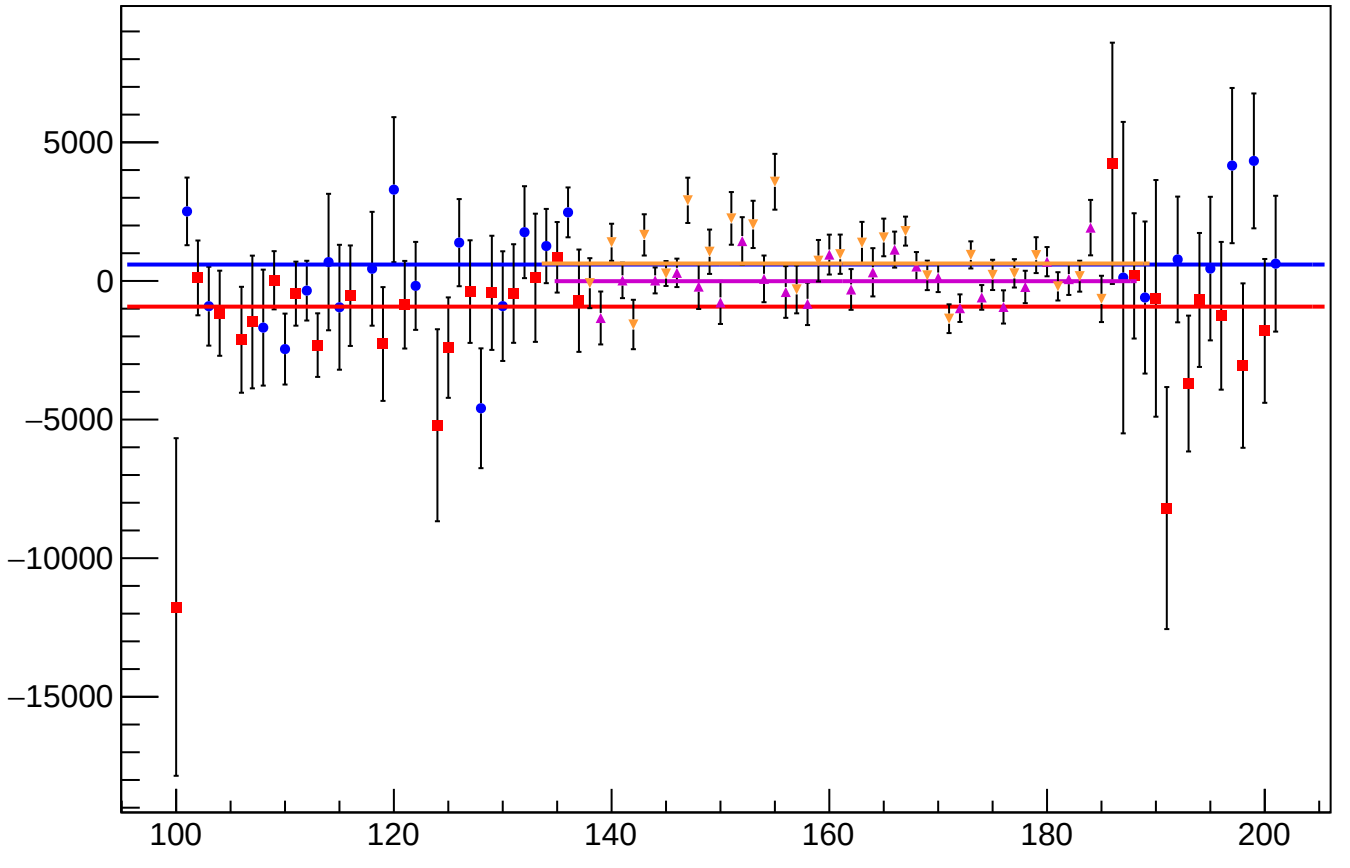
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1115.076+/-0.169 χ^2/NDF: 8271953.5/50

In: 597.497+/-0.084 χ^2/NDF:10544577.9/45

Out: 604.116+/-0.082 χ^2/NDF:12060695.2/52

All: 600.877+/-0.059 χ^2/NDF: 22608424.4/98



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: -926.496+/-348.434 χ^2/NDF: 18.1/27

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

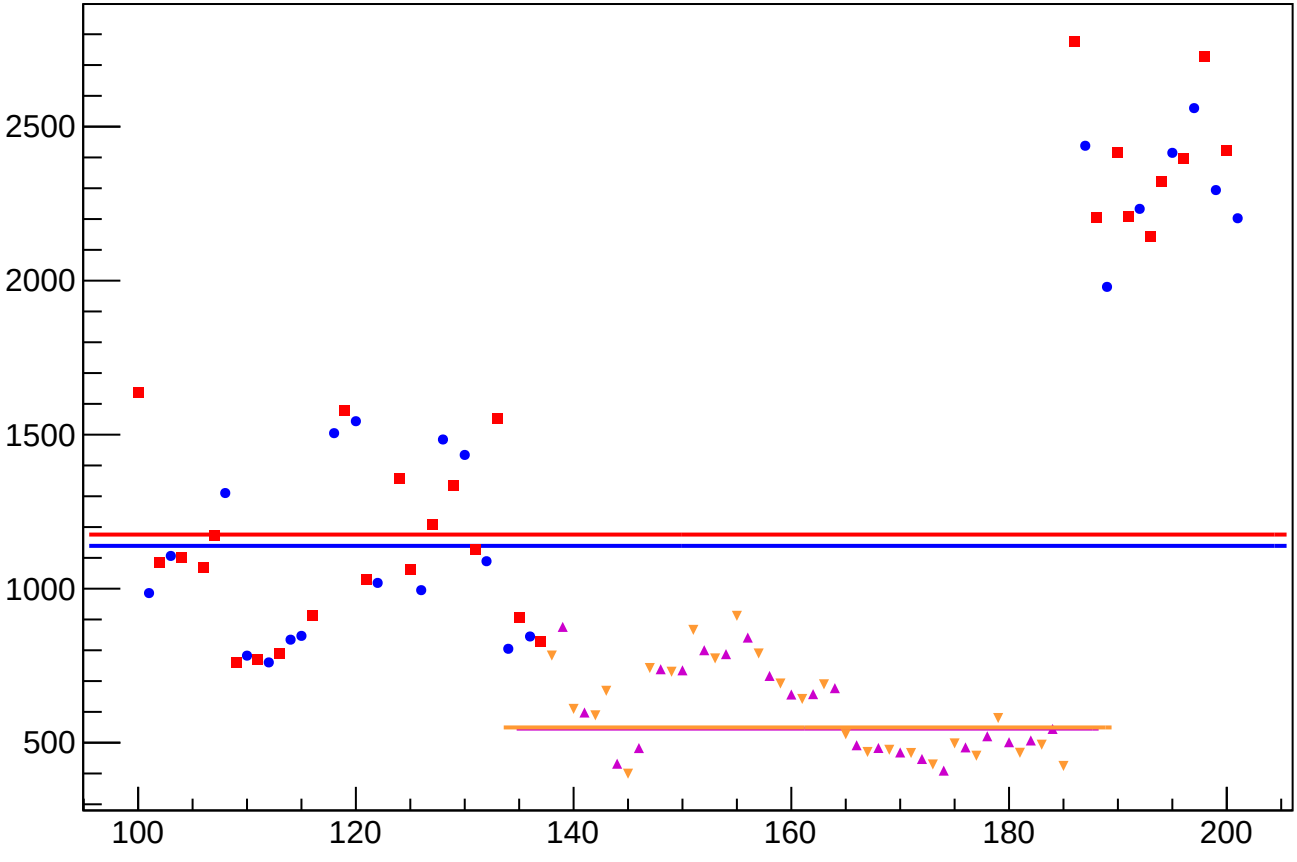
Right: -177.907+/-248.078 χ^2/NDF: 56.3/50

In: 64.364+/-123.066 χ^2/NDF:58.7/45

Out: 442.200+/-120.854 χ^2/NDF:100.5/52

All: 256.708+/-86.228 χ^2/NDF: 164.1/98

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: 1175.650+/-0.246 χ^2/NDF: 4348937.0/27

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

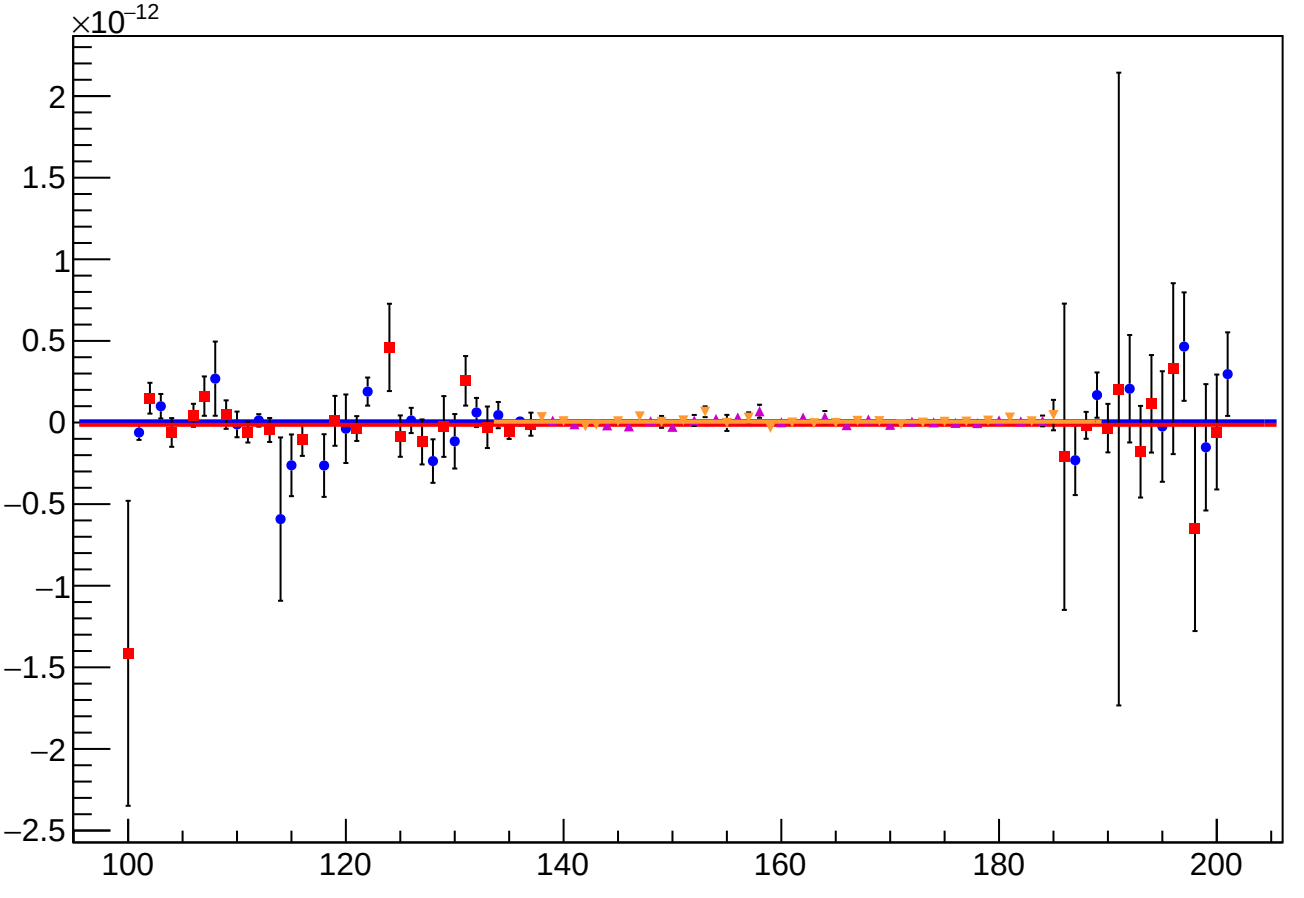
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1157.566+/-0.175 χ^2/NDF: 8036880.3/50

In: 617.697+/-0.087 χ^2/NDF:10447051.6/45

Out: 624.807+/-0.085 χ^2/NDF:12085011.1/52

All: 621.316+/-0.061 χ^2/NDF: 22535460.2/98



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: 20.5/27

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

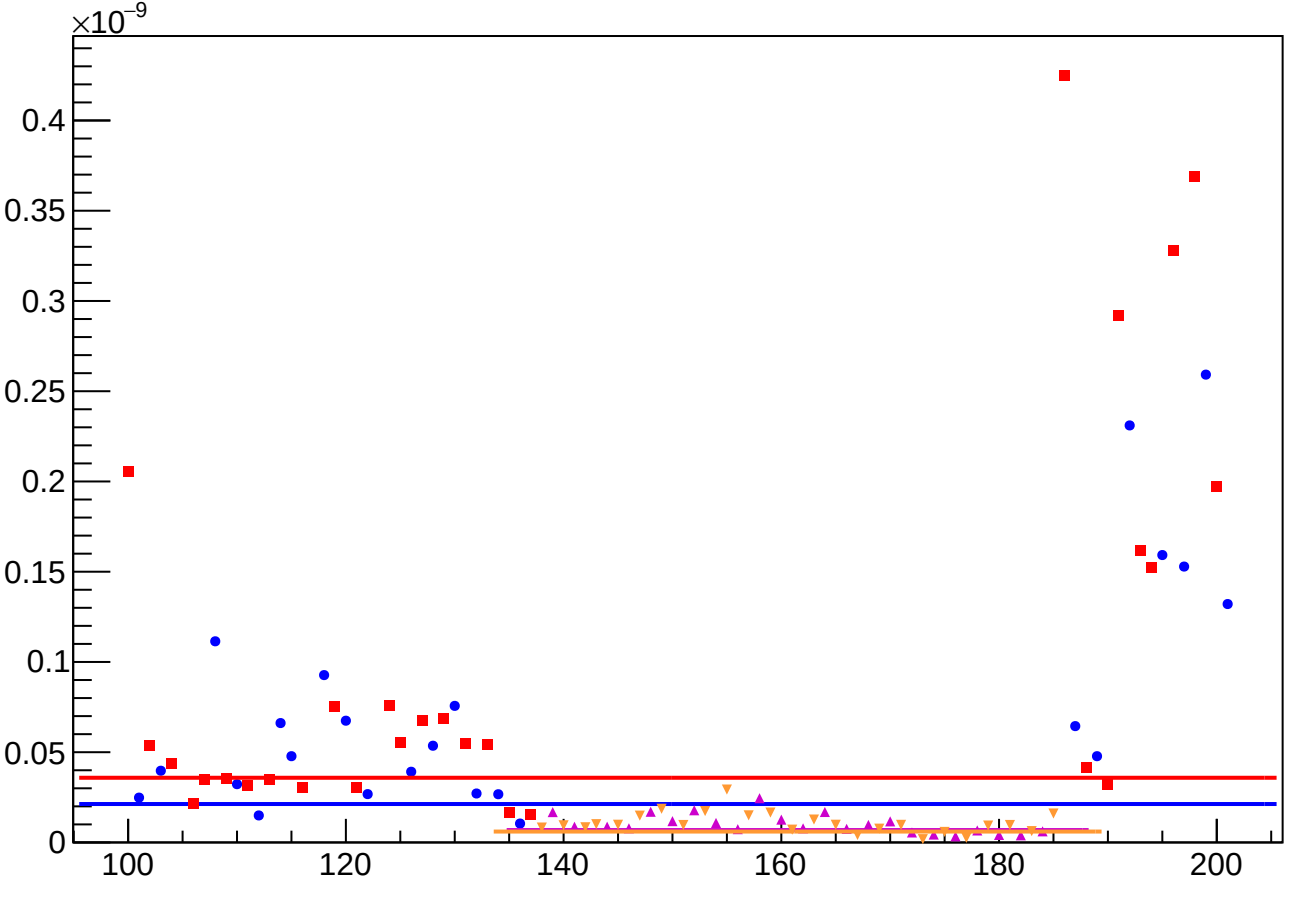
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 47.3/50

In: 0.000+/-0.000 χ^2/NDF:46.1/45

Out: 0.000+/-0.000 χ^2/NDF:37.0/52

All: 0.000+/-0.000 χ^2/NDF: 83.3/98



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: 3924682.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

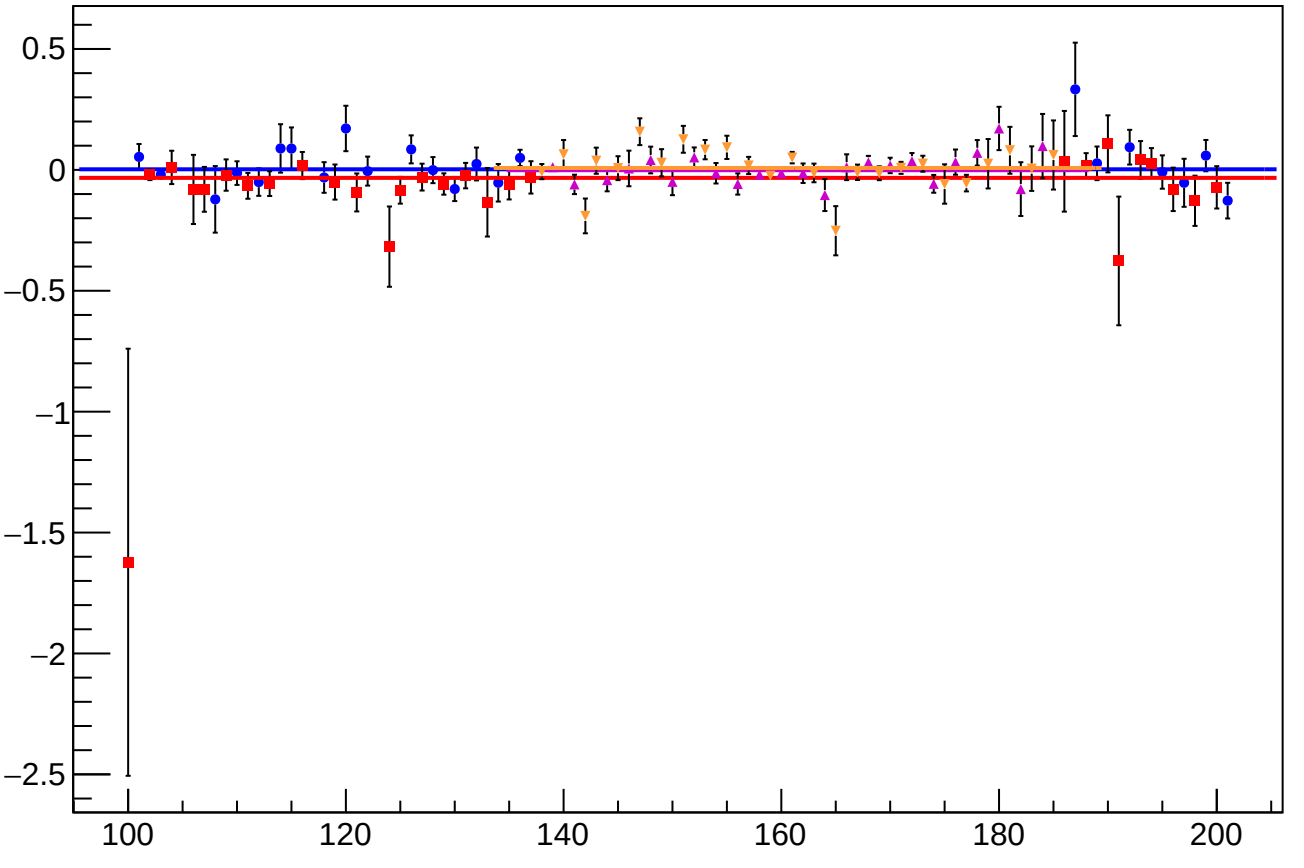
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9398426.6/50

In: 0.000+/-0.000 χ^2/NDF:9119766.0/45

Out: 0.000+/-0.000 χ^2/NDF:11983874.9/52

All: 0.000+/-0.000 χ^2/NDF: 21182339.9/98



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: -0.033+/-0.012 χ^2/NDF: 18.7/27

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

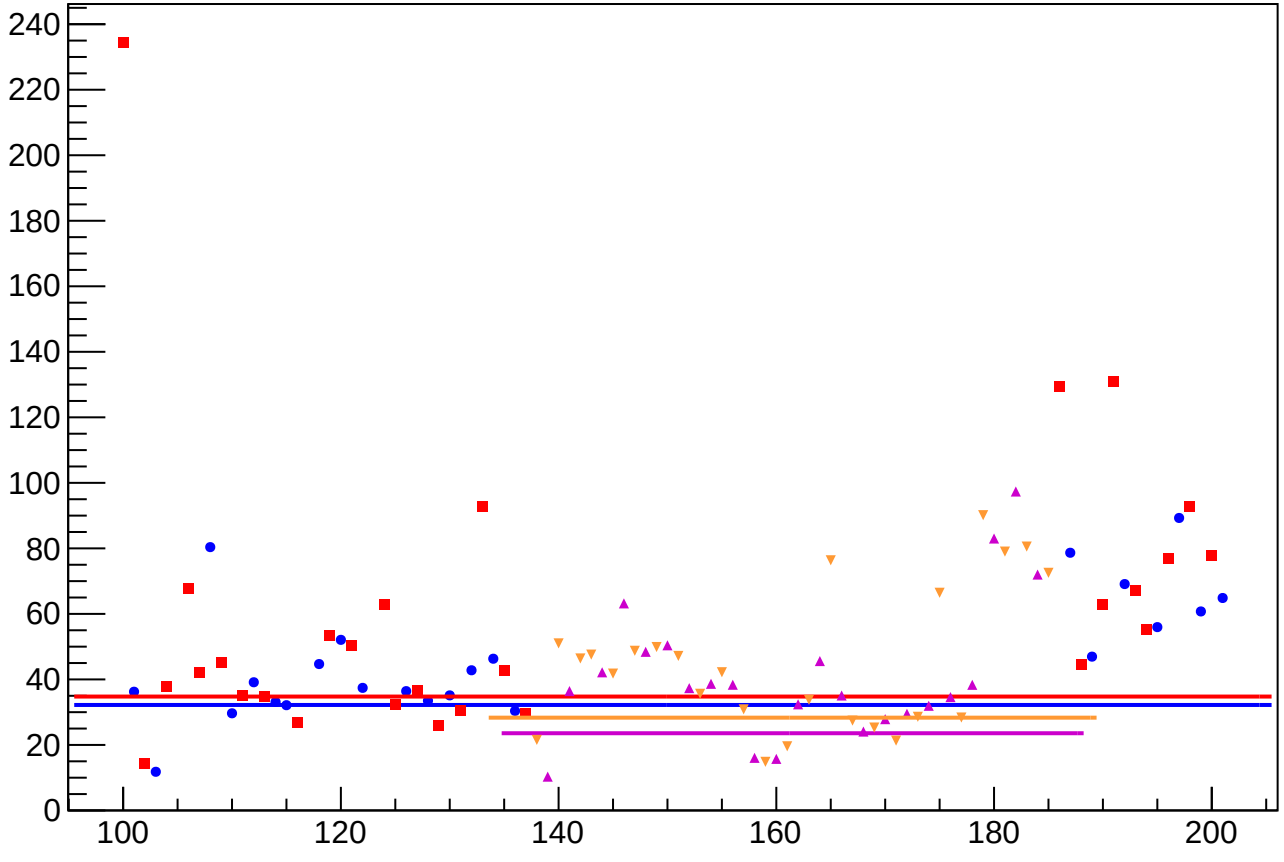
Right: -0.015+/-0.008 χ^2/NDF: 49.0/50

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 126.0/98

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: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

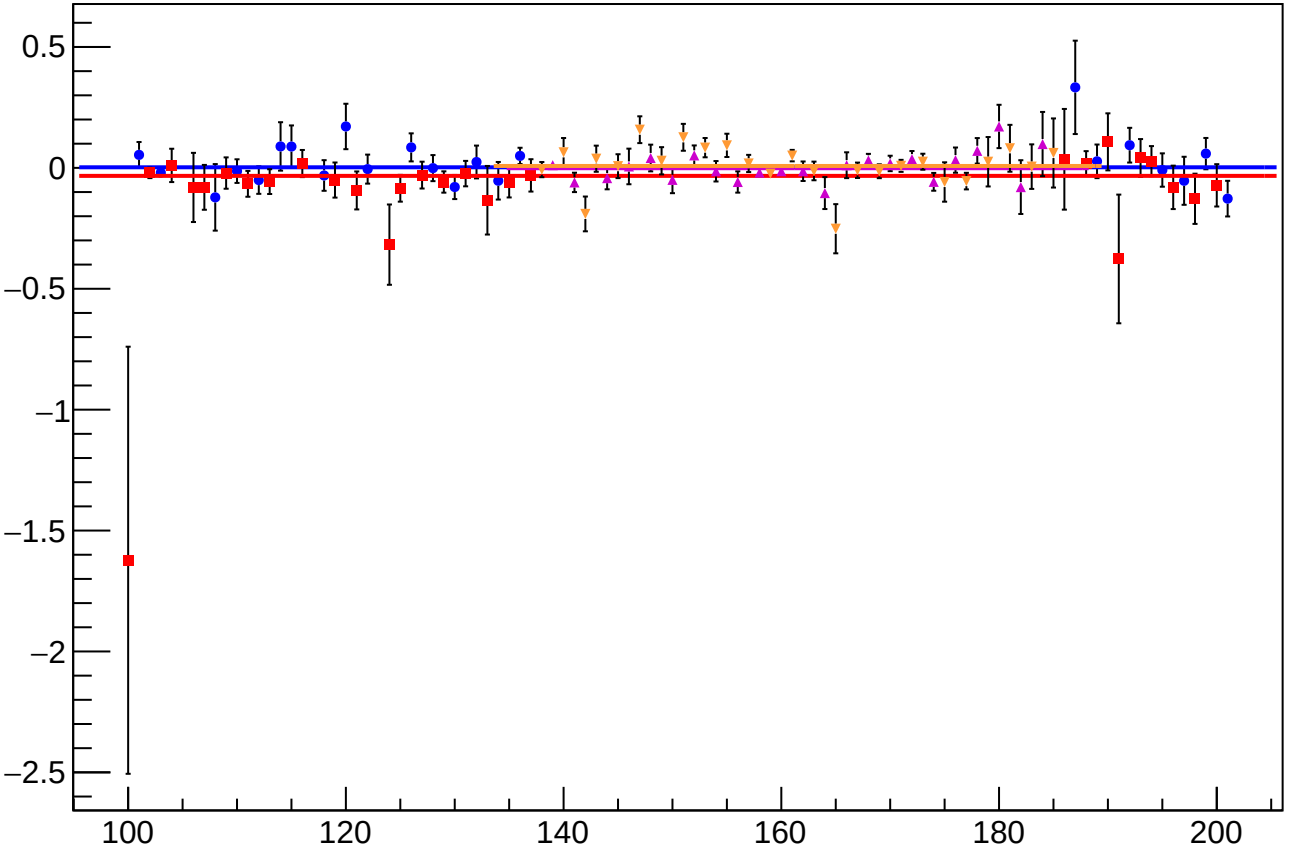
Right: 33.441+/-0.006 χ^2/NDF: 11077658.7/50

In: 25.920+/-0.004 χ^2/NDF:14321621.8/45

Out: 30.271+/-0.004 χ^2/NDF:13068392.1/52

All: 27.909+/-0.003 χ^2/NDF: 27903179.0/98

asym_sam_37_avg_dit_vs_eigen_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: -0.033+/-0.012 χ^2/NDF: 18.7/27

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

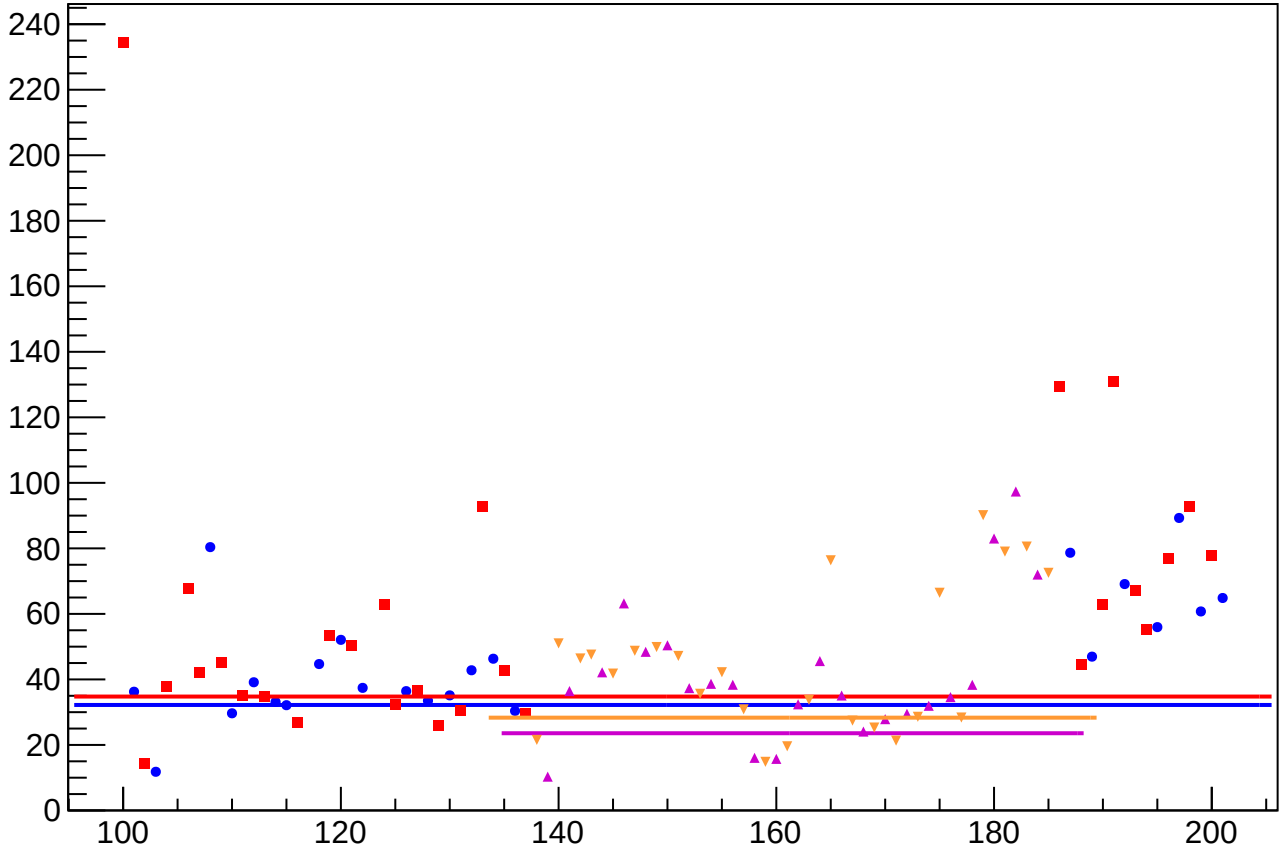
Right: -0.015+/-0.008 χ^2/NDF: 49.0/50

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 126.0/98

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: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

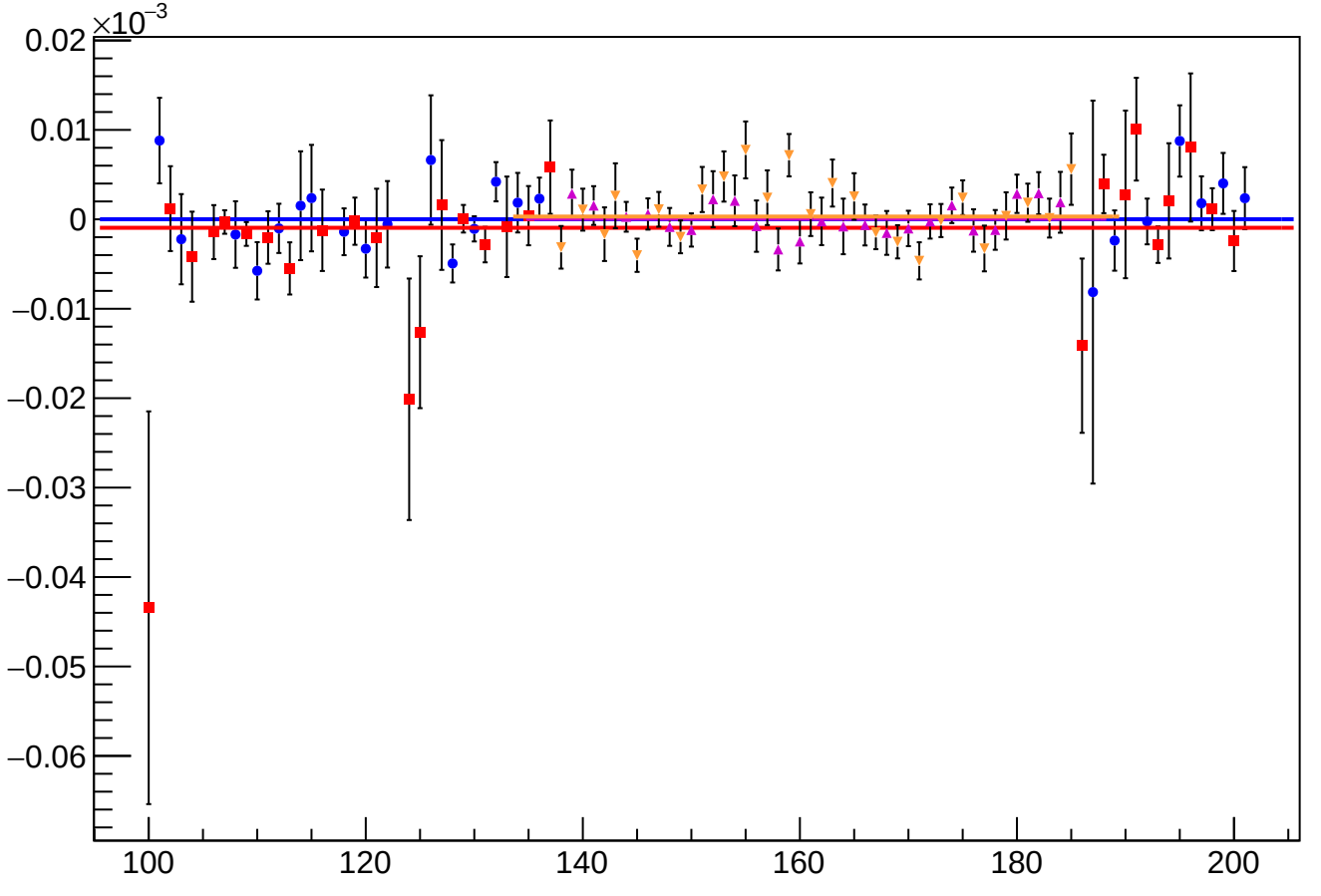
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.441+/-0.006 χ^2/NDF: 11077658.7/50

In: 25.920+/-0.004 χ^2/NDF:14321621.8/45

Out: 30.271+/-0.004 χ^2/NDF:13068392.1/52

All: 27.909+/-0.003 χ^2/NDF: 27903179.0/98



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: 25.9/27

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

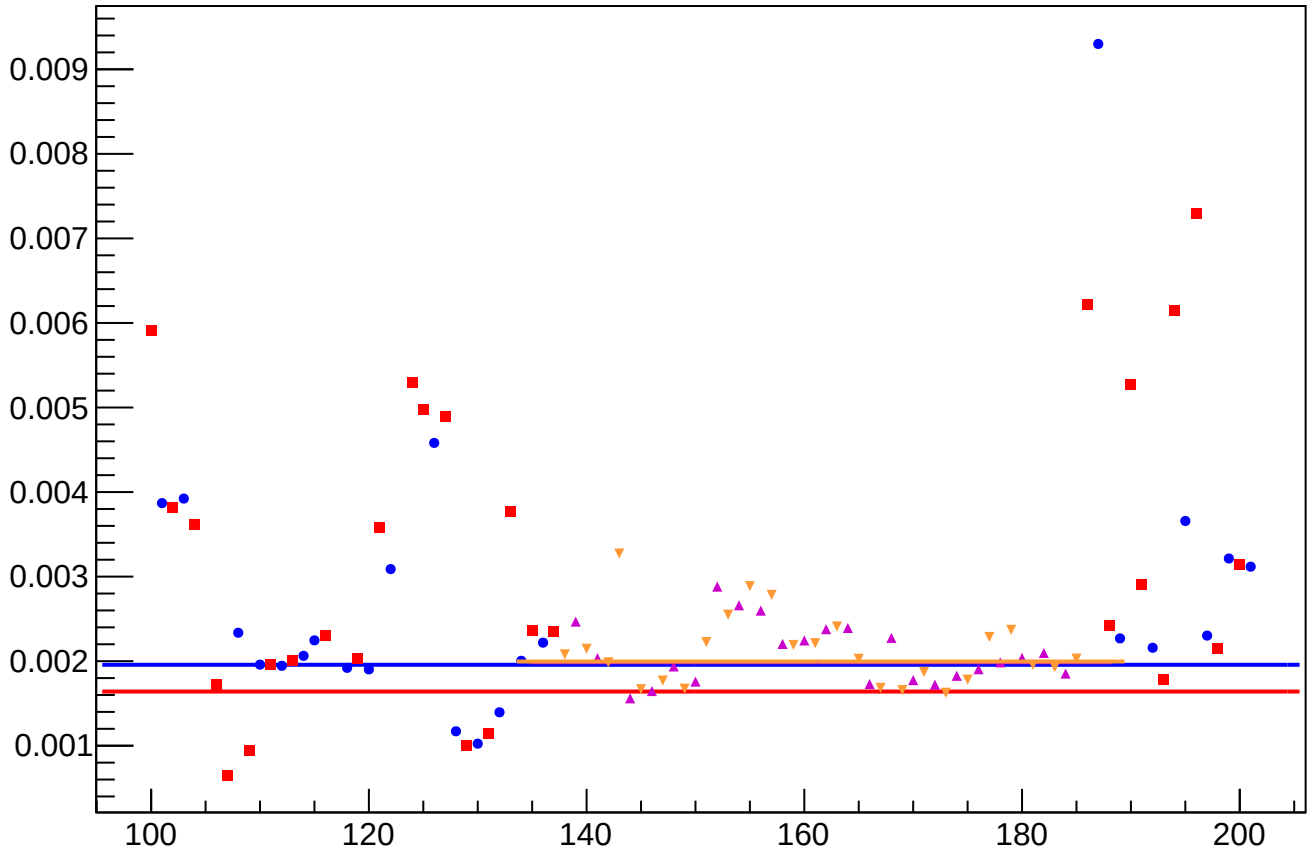
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 55.4/50

In: 0.000+/-0.000 χ^2/NDF:40.3/45

Out: -0.000+/-0.000 χ^2/NDF:74.7/52

All: -0.000+/-0.000 χ^2/NDF: 115.2/98



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: 8012334.7/27

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

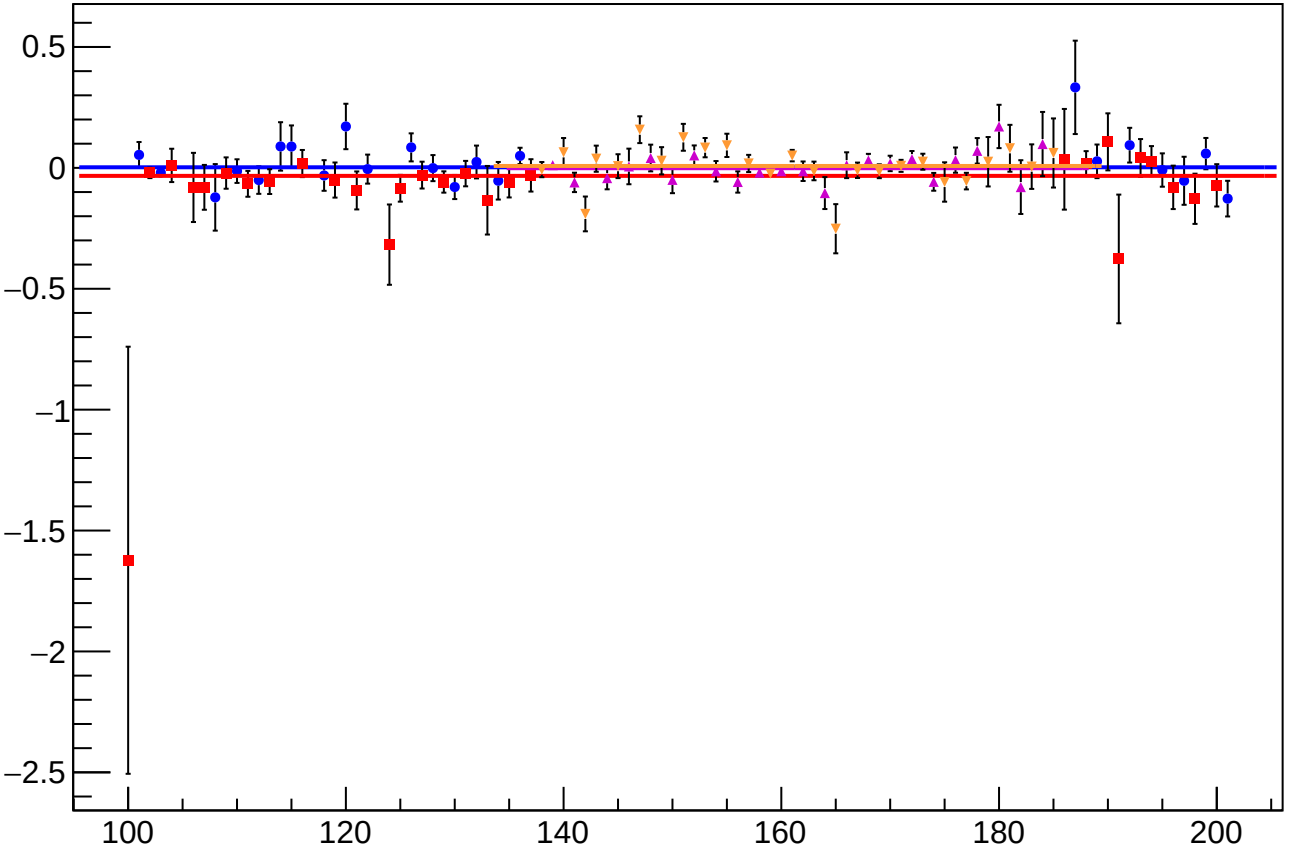
Right: 0.002+/-0.000 χ^2/NDF: 11783390.6/50

In: 0.002+/-0.000 χ^2/NDF:4408274.0/45

Out: 0.002+/-0.000 χ^2/NDF:9679701.6/52

All: 0.002+/-0.000 χ^2/NDF: 14212820.9/98

asym_sam_37_avg_eigen_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: -0.033+/-0.012 χ^2/NDF: 18.7/27

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

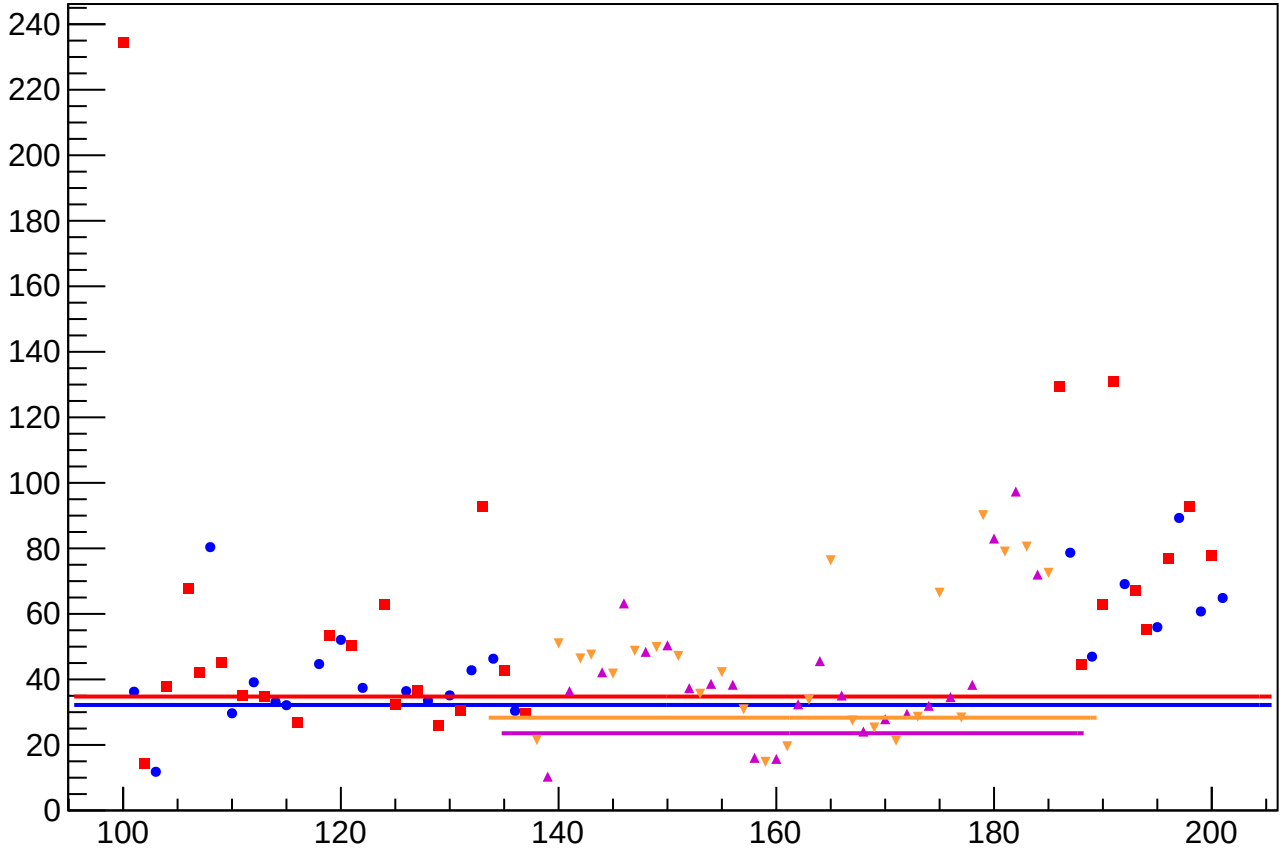
Right: -0.015+/-0.008 χ^2/NDF: 49.0/50

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 126.0/98

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: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

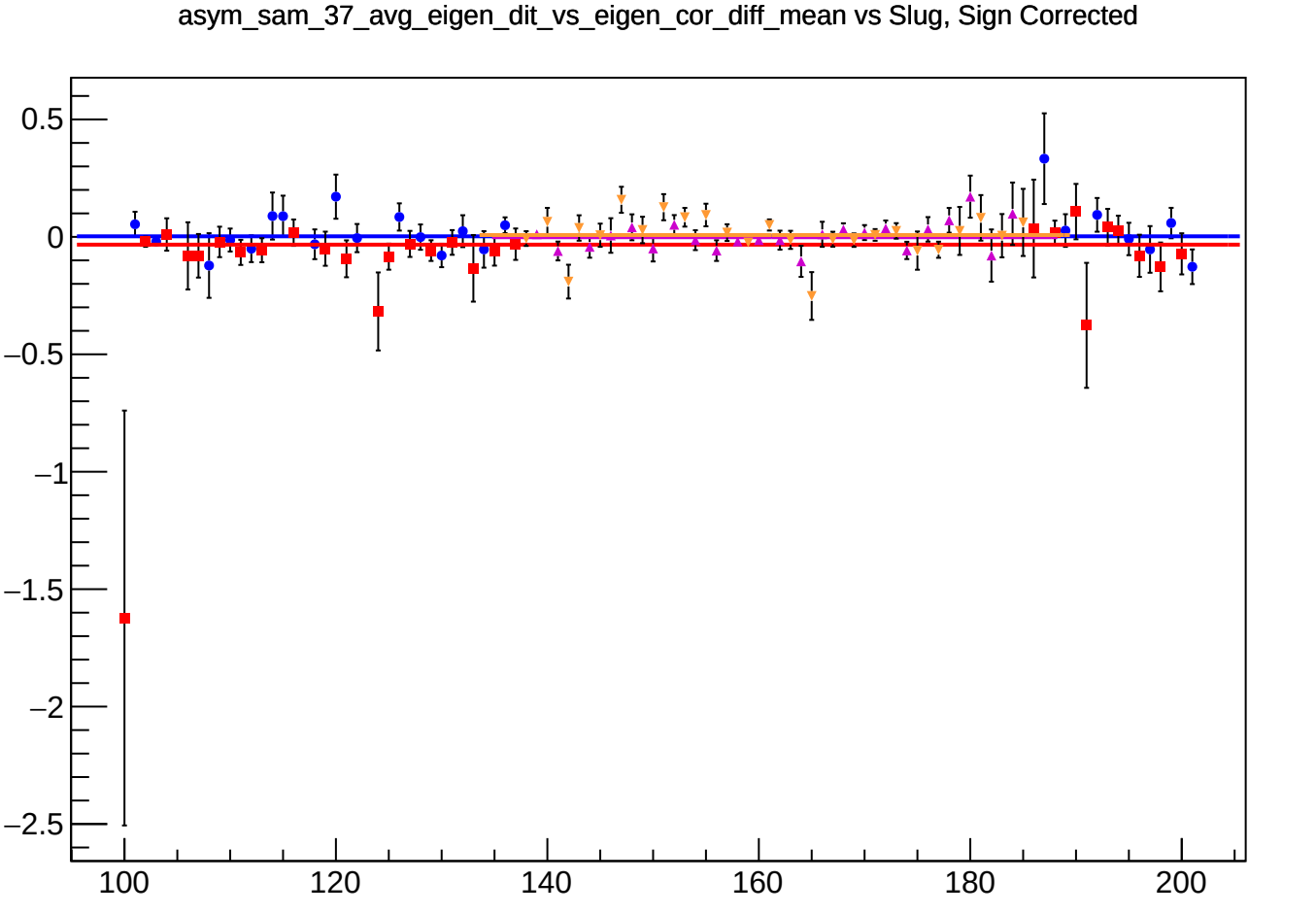
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.442+/-0.006 χ^2/NDF: 11077101.8/50

In: 25.919+/-0.004 χ^2/NDF:14323119.6/45

Out: 30.272+/-0.004 χ^2/NDF:13068209.2/52

All: 27.908+/-0.003 χ^2/NDF: 27904866.3/98



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: -0.033+/-0.012 χ^2/NDF: 18.7/27

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

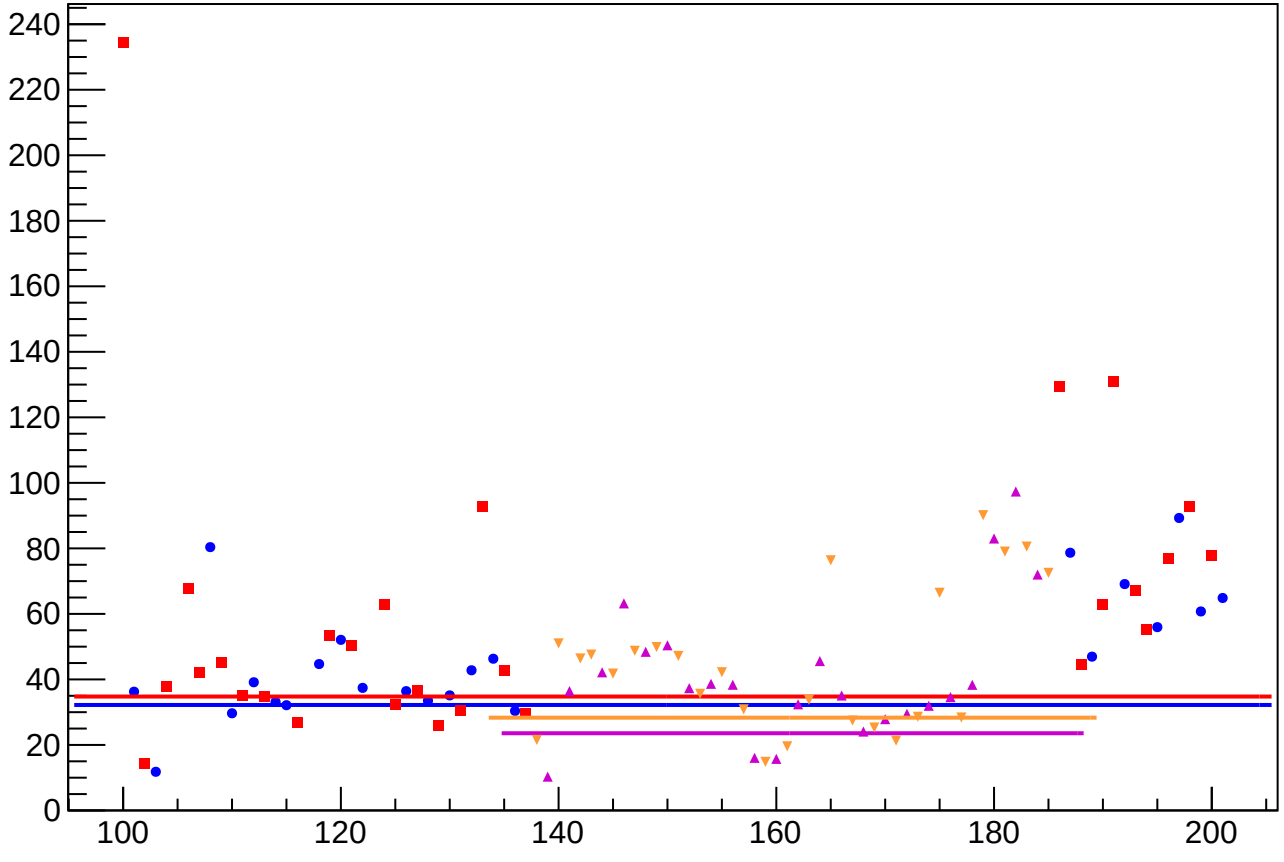
Right: -0.015+/-0.008 χ^2/NDF: 49.0/50

In: -0.000+/-0.006 χ^2/NDF:50.6/45

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 126.0/98

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: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

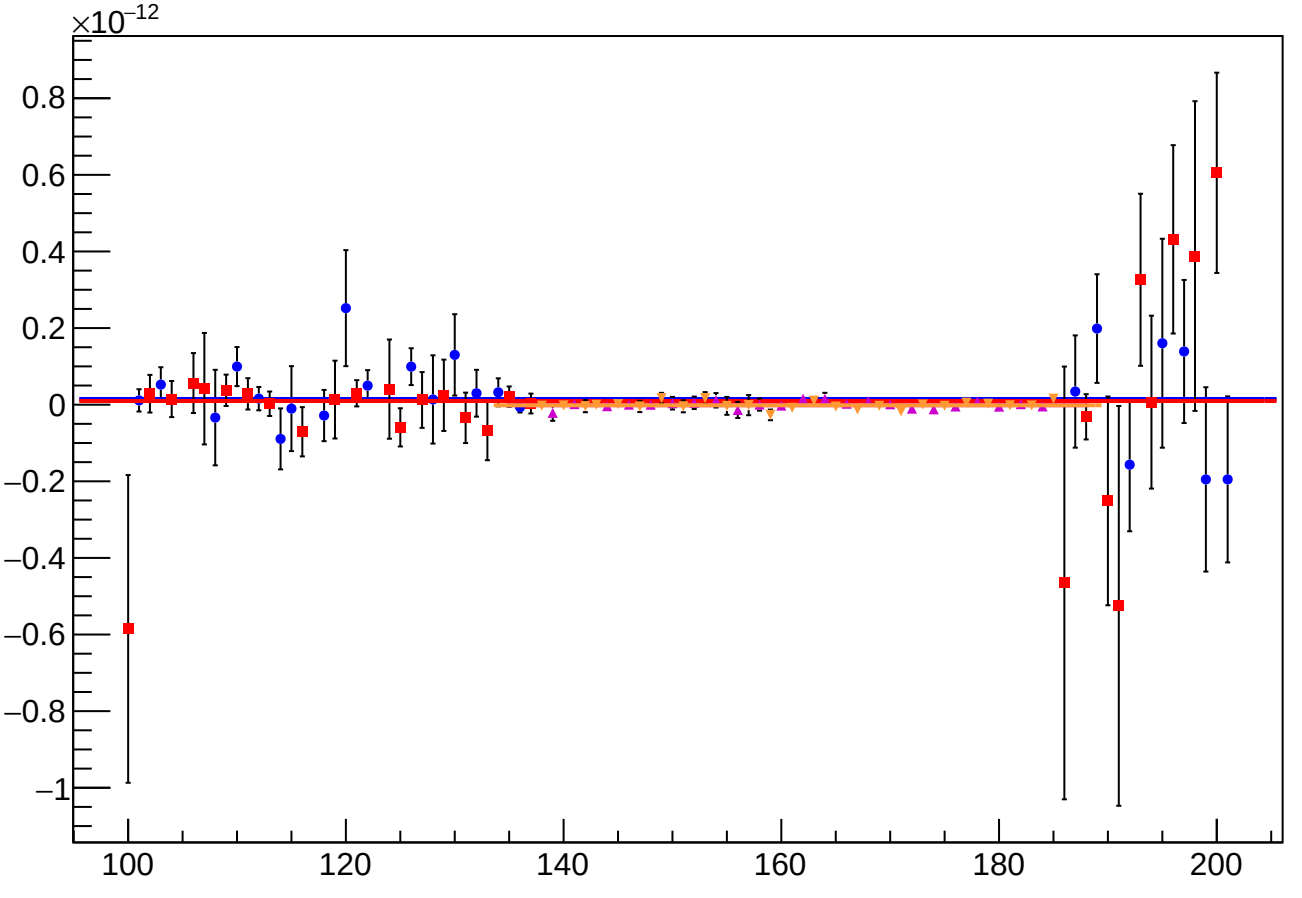
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.442+/-0.006 χ^2/NDF: 11077101.8/50

In: 25.919+/-0.004 χ^2/NDF:14323119.6/45

Out: 30.272+/-0.004 χ^2/NDF:13068209.2/52

All: 27.908+/-0.003 χ^2/NDF: 27904866.3/98



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: 23.2/27

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

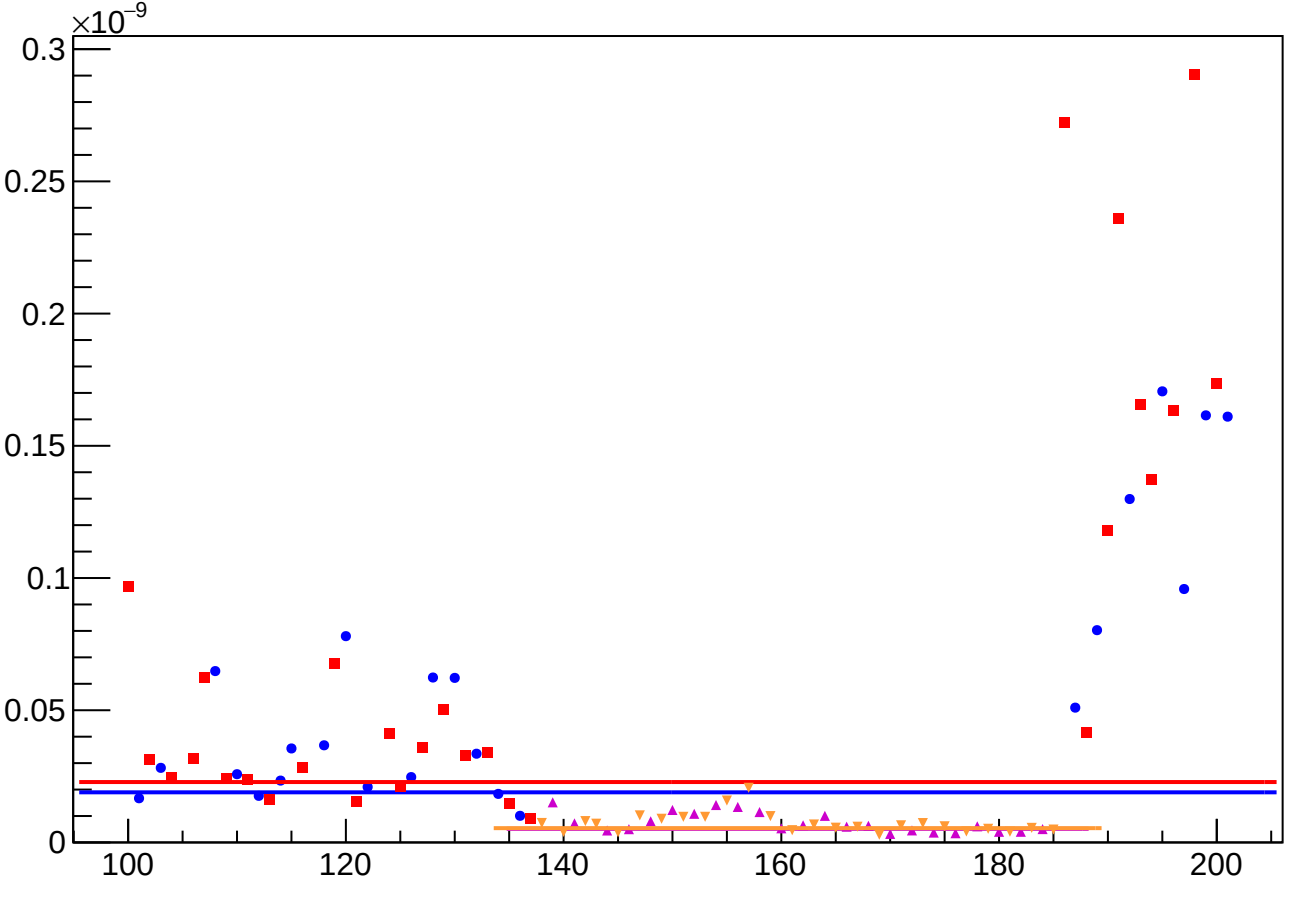
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/50

In: -0.000+/-0.000 χ^2/NDF:39.9/45

Out: -0.000+/-0.000 χ^2/NDF:41.8/52

All: -0.000+/-0.000 χ^2/NDF: 81.7/98



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: 6705413.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

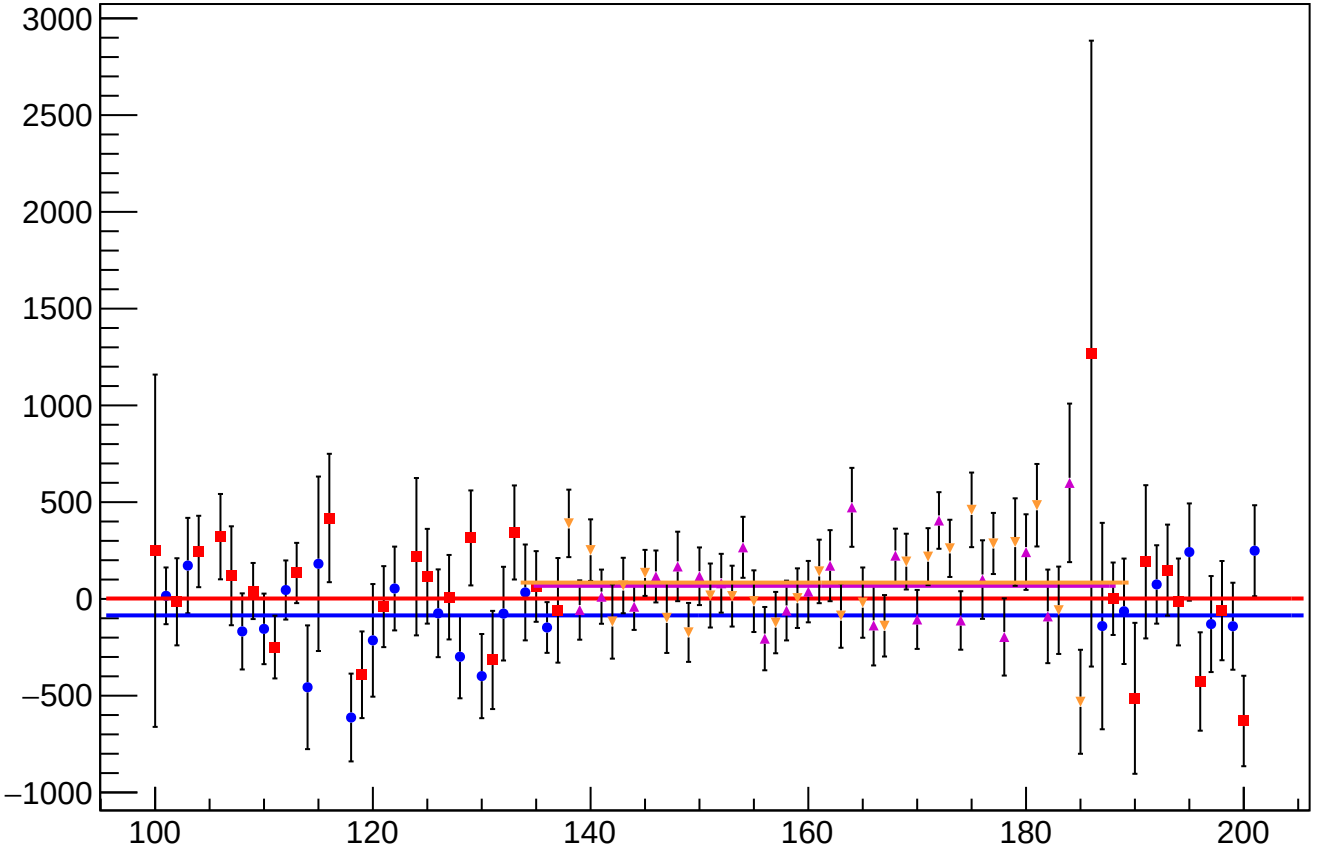
Right: 0.000+/-0.000 χ^2/NDF: 13160144.3/50

In: 0.000+/-0.000 χ^2/NDF:13890608.6/45

Out: 0.000+/-0.000 χ^2/NDF:15047089.4/52

All: 0.000+/-0.000 χ^2/NDF: 28959733.0/98

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: 2.107+/-43.427 χ^2/NDF: 31.1/27

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

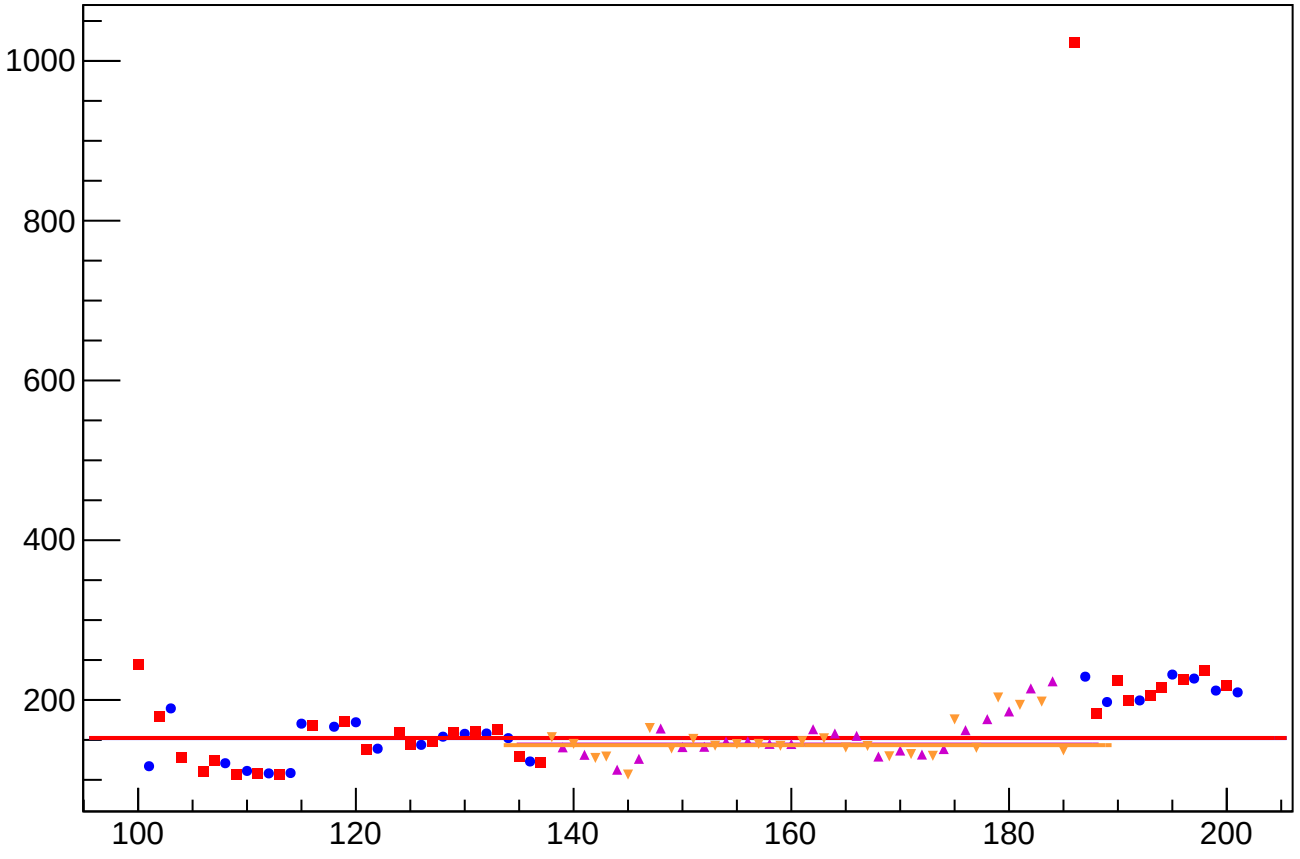
Right: -40.006+/-31.242 χ^2/NDF: 51.4/50

In: 11.790+/-27.192 χ^2/NDF:52.2/45

Out: 54.186+/-26.293 χ^2/NDF:67.2/52

All: 33.701+/-18.902 χ^2/NDF: 120.6/98

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: 152.439+/-0.031 χ^2/NDF: 2324850.8/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

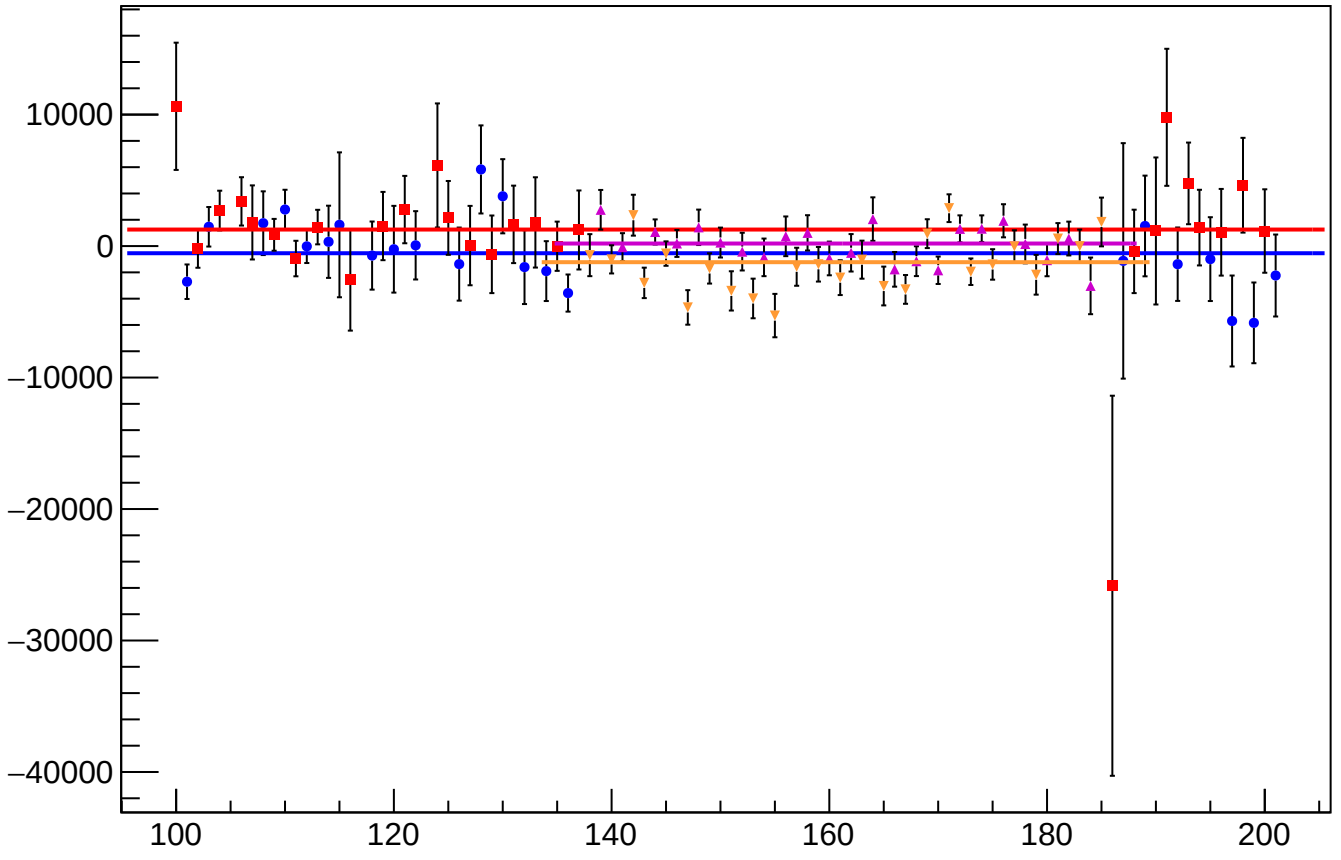
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 152.369+/-0.022 χ^2/NDF: 3820647.1/50

In: 147.139+/-0.019 χ^2/NDF:2239887.6/45

Out: 146.741+/-0.019 χ^2/NDF:3126247.0/52

All: 146.933+/-0.013 χ^2/NDF: 5366356.5/98



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: 1256.995+/-437.531 χ^2/NDF: 22.1/27

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

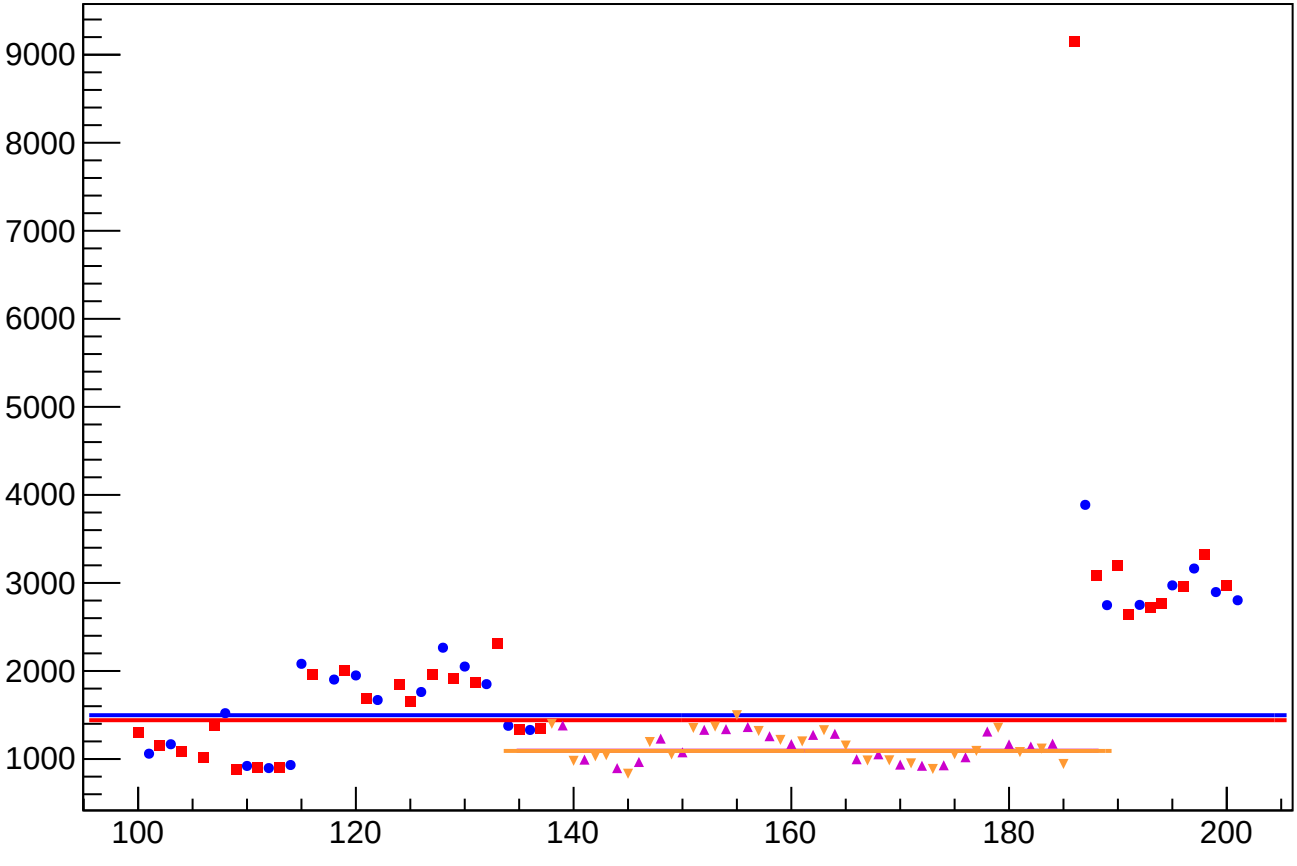
Right: 415.816+/-319.419 χ^2/NDF: 57.9/50

In: 20.527+/-226.491 χ^2/NDF:53.1/45

Out: -607.639+/-218.218 χ^2/NDF:105.6/52

All: -305.238+/-157.147 χ^2/NDF: 162.6/98

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1497.607+/-0.331 χ^2/NDF: 3944437.5/22

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1440.907+/-0.309 χ^2/NDF: 5450062.3/27

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

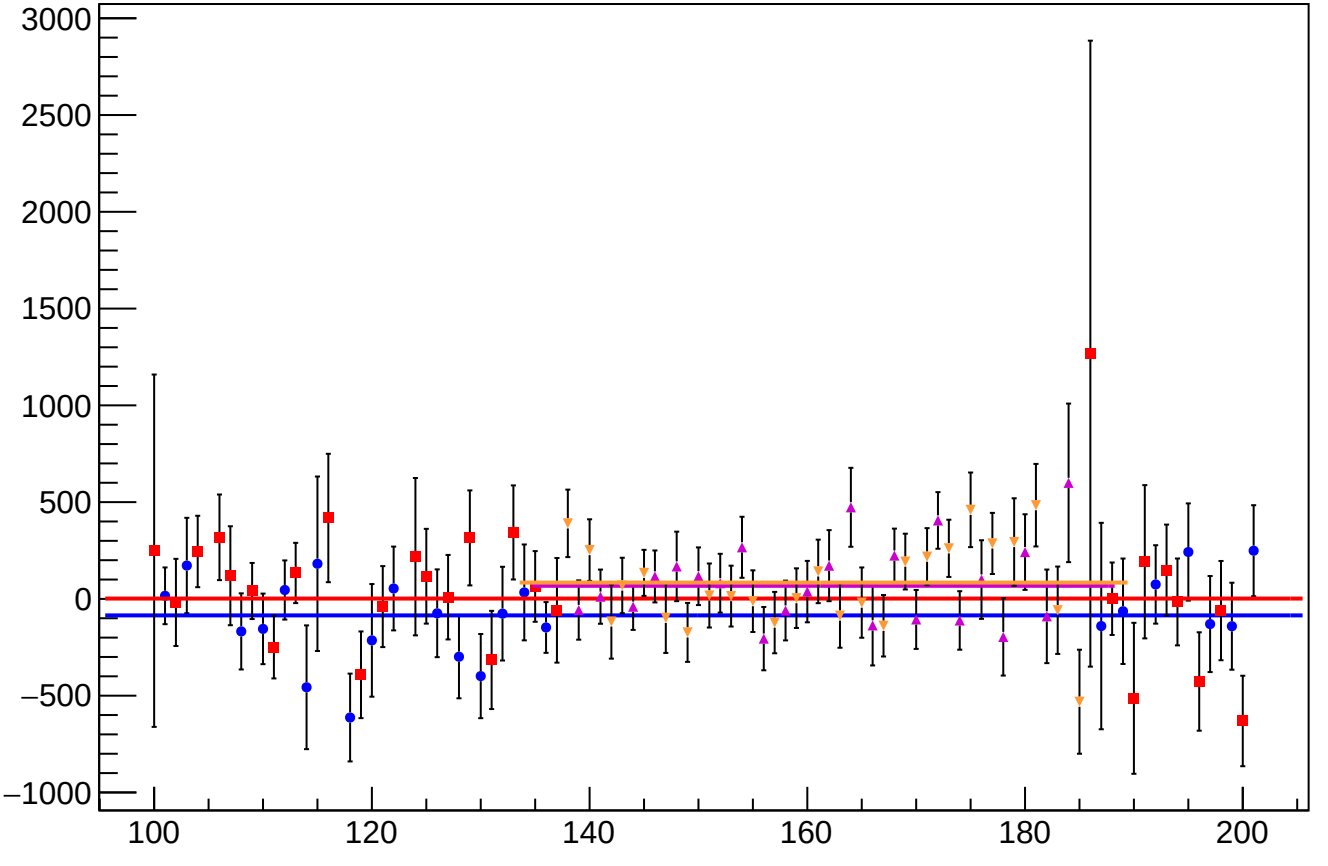
Right: 1467.388+/-0.226 χ^2/NDF: 9410185.8/50

In: 1189.139+/-0.160 χ^2/NDF:5815841.2/45

Out: 1178.775+/-0.154 χ^2/NDF:7298084.3/52

All: 1183.765+/-0.111 χ^2/NDF: 13116097.1/9

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: 1.767+/-43.433 χ^2/NDF: 31.0/27

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

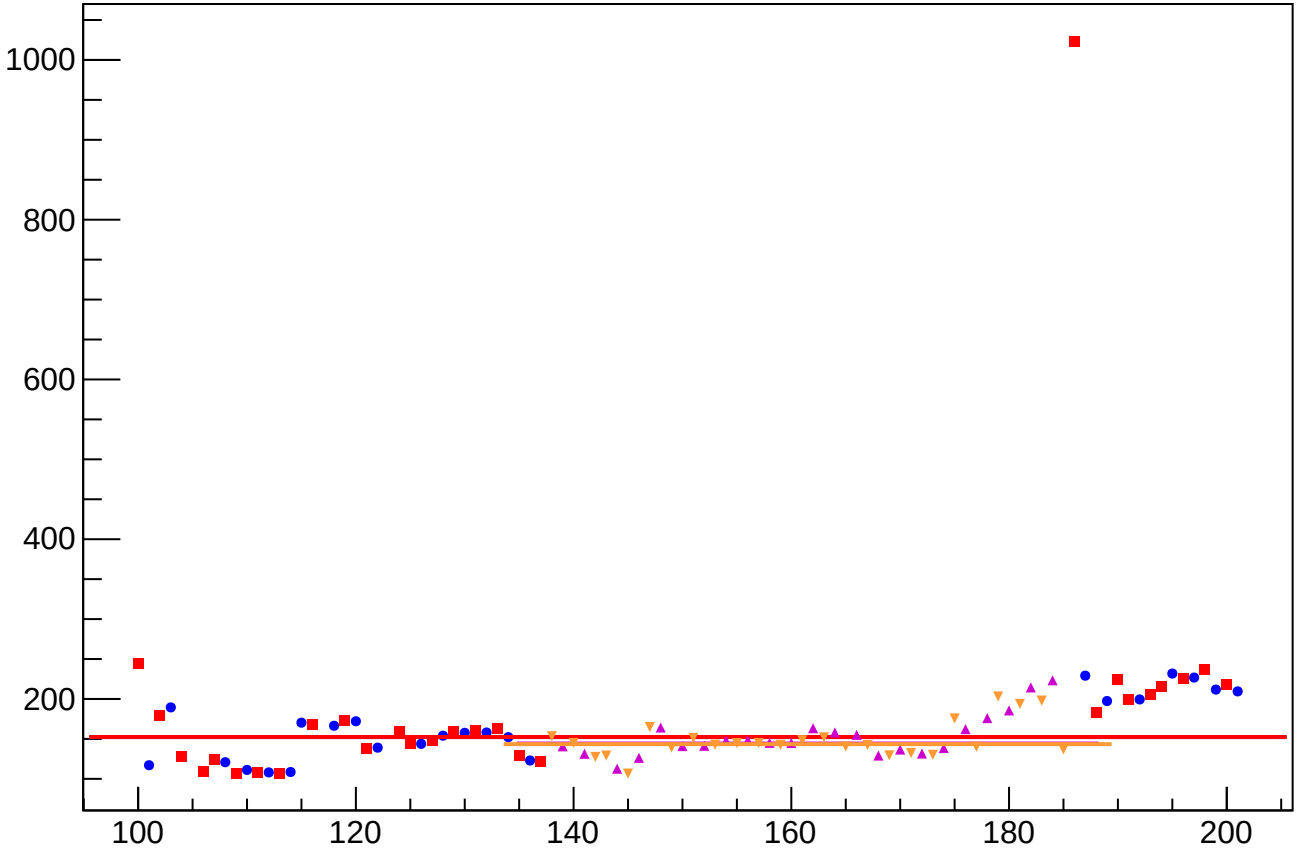
Right: -40.192+/-31.244 χ^2/NDF: 51.3/50

In: 11.788+/-27.192 χ^2/NDF:52.2/45

Out: 54.076+/-26.294 χ^2/NDF:67.1/52

All: 33.642+/-18.902 χ^2/NDF: 120.6/98

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

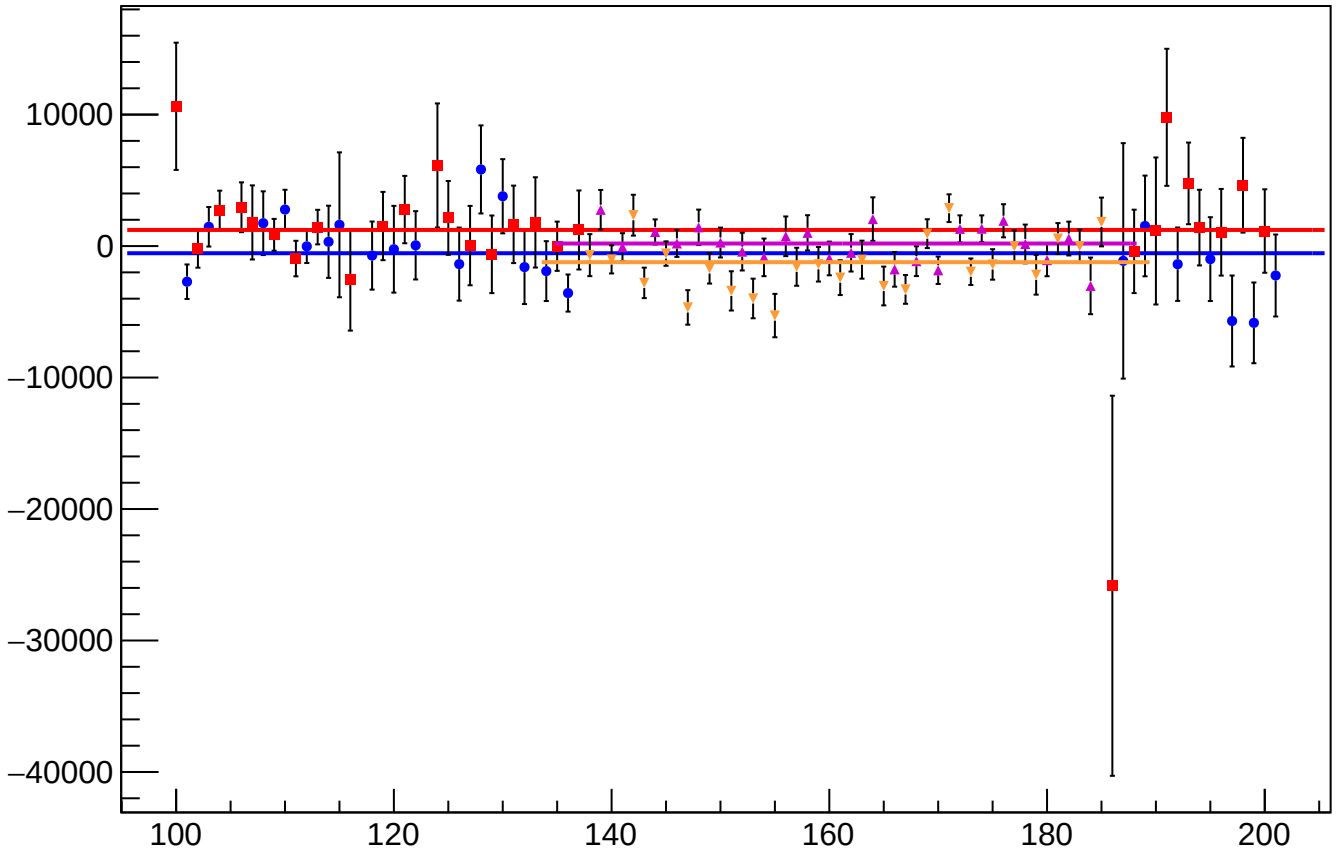
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 152.343+/-0.022 χ^2/NDF: 3825924.0/50

In: 147.139+/-0.019 χ^2/NDF:2239890.2/45

Out: 146.722+/-0.019 χ^2/NDF:3130922.8/52

All: 146.924+/-0.013 χ^2/NDF: 5371056.2/98



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: 1226.662+/-438.284 χ^2/NDF: 21.6/27

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

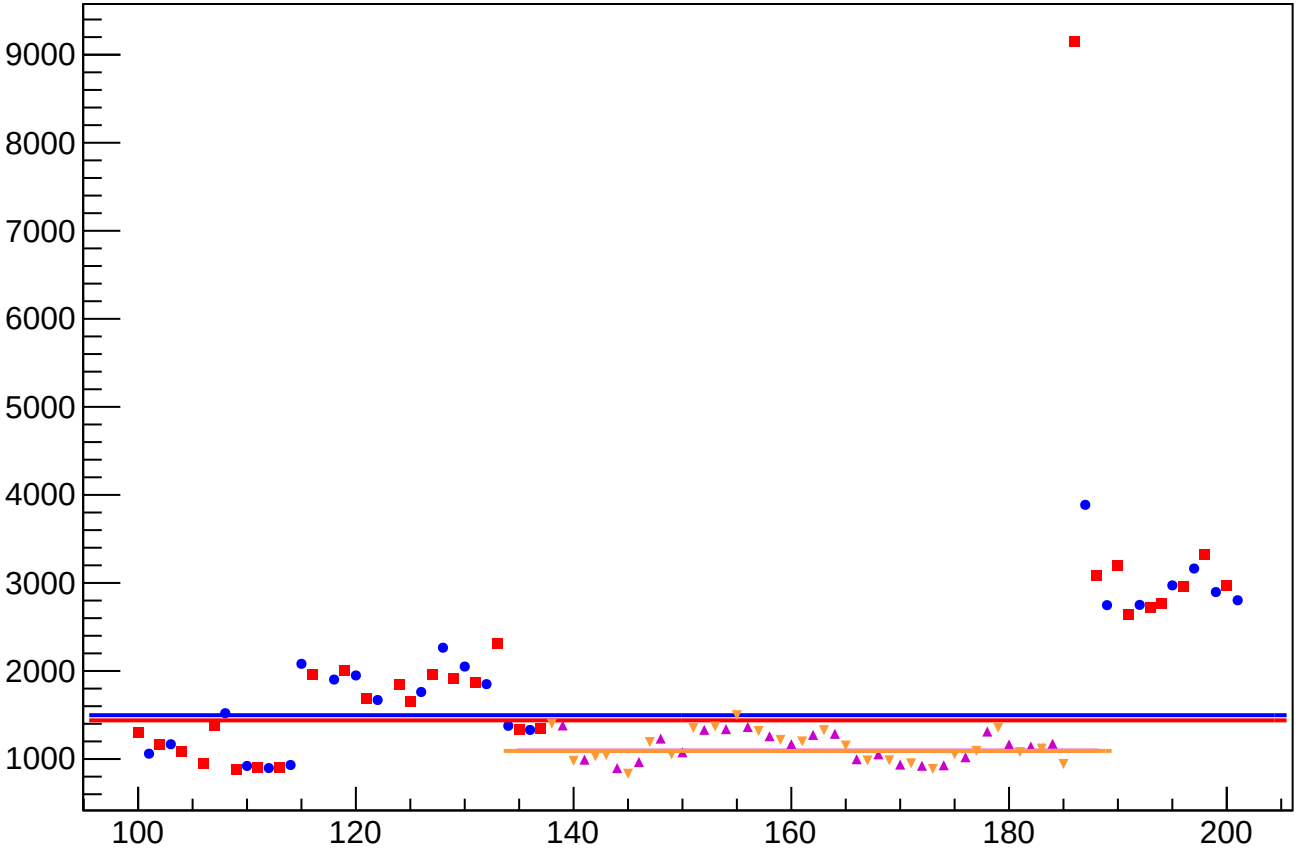
Right: 398.113+/-319.713 χ^2/NDF: 57.0/50

In: 20.517+/-226.492 χ^2/NDF:53.1/45

Out: -616.745+/-218.311 χ^2/NDF:104.3/52

All: -309.830+/-157.182 χ^2/NDF: 161.5/98

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

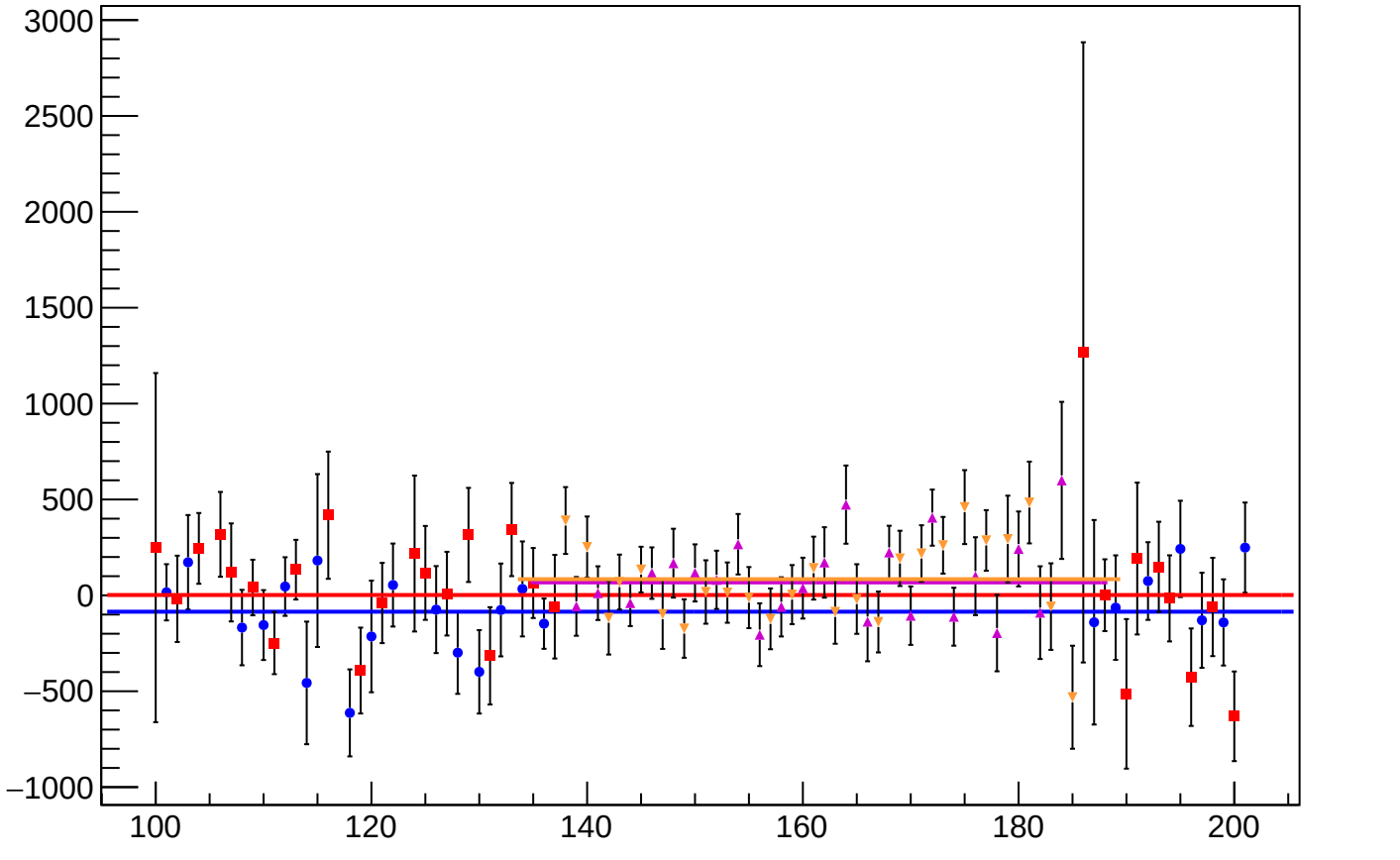
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1466.482+/-0.226 χ^2/NDF: 9435807.3/50

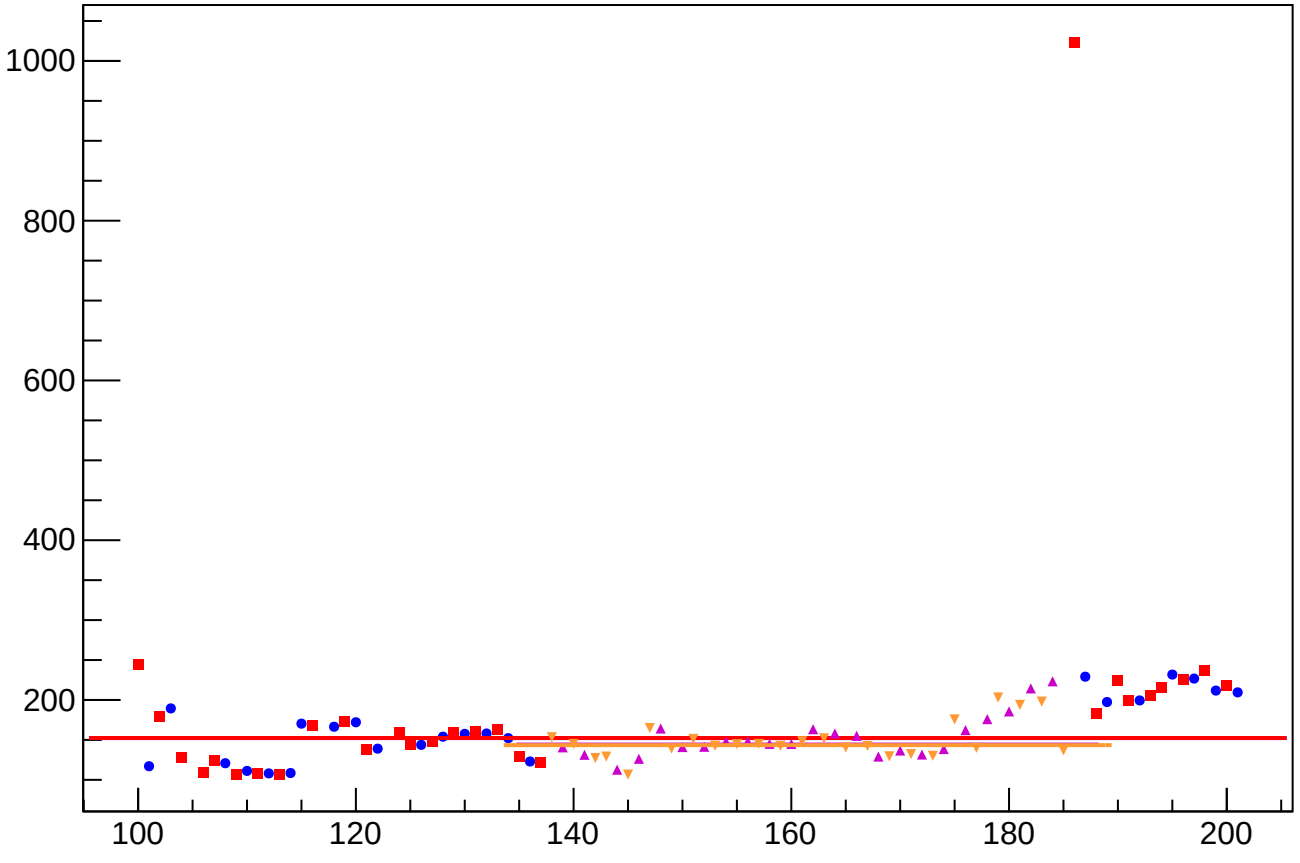
In: 1189.142+/-0.160 χ^2/NDF:5815835.9/45

Out: 1178.103+/-0.154 χ^2/NDF:7310480.9/52

All: 1183.420+/-0.111 χ^2/NDF: 13128779.3/9


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -85.194+/-44.980 χ²/NDF: 18.3/22
Left Out: 84.338+/-33.036 χ²/NDF:33.8/24
Right Out: 1.767+/-43.433 χ²/NDF: 31.0/27
Left In: 67.648+/-34.137 χ²/NDF:26.5/22
Left: 76.266+/-23.739 χ²/NDF: 60.5/47
Right: -40.192+/-31.244 χ²/NDF: 51.3/50
In: 11.788+/-27.192 χ²/NDF:52.2/45
Out: 54.076+/-26.294 χ²/NDF:67.1/52
All: 33.642+/-18.902 χ²/NDF: 120.6/98

eigen_cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

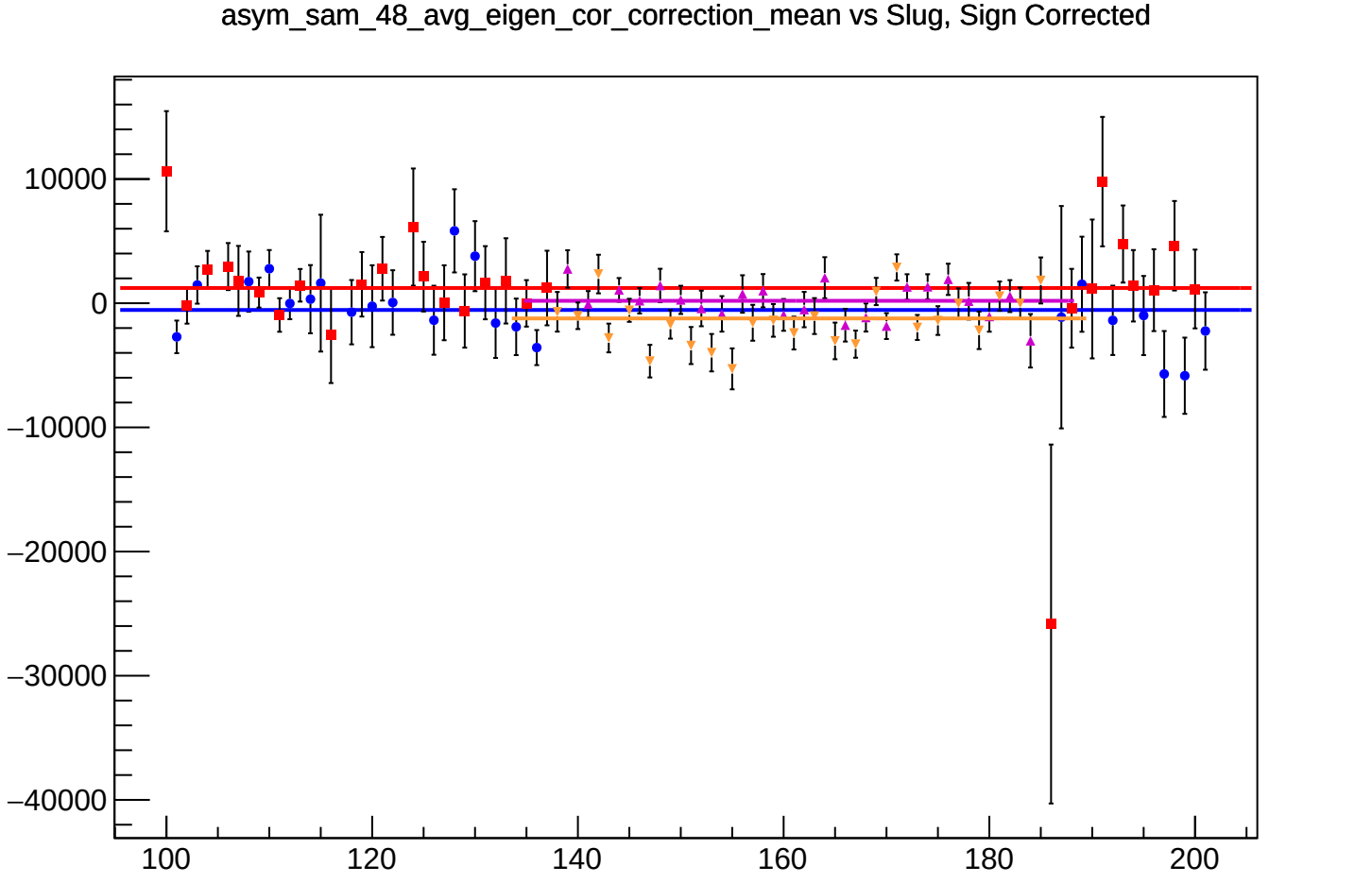
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 152.343+/-0.022 χ^2/NDF: 3825924.0/50

In: 147.139+/-0.019 χ^2/NDF:2239890.2/45

Out: 146.722+/-0.019 χ^2/NDF:3130922.8/52

All: 146.924+/-0.013 χ^2/NDF: 5371056.2/98



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: 1226.662+/-438.284 χ^2/NDF: 21.6/27

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

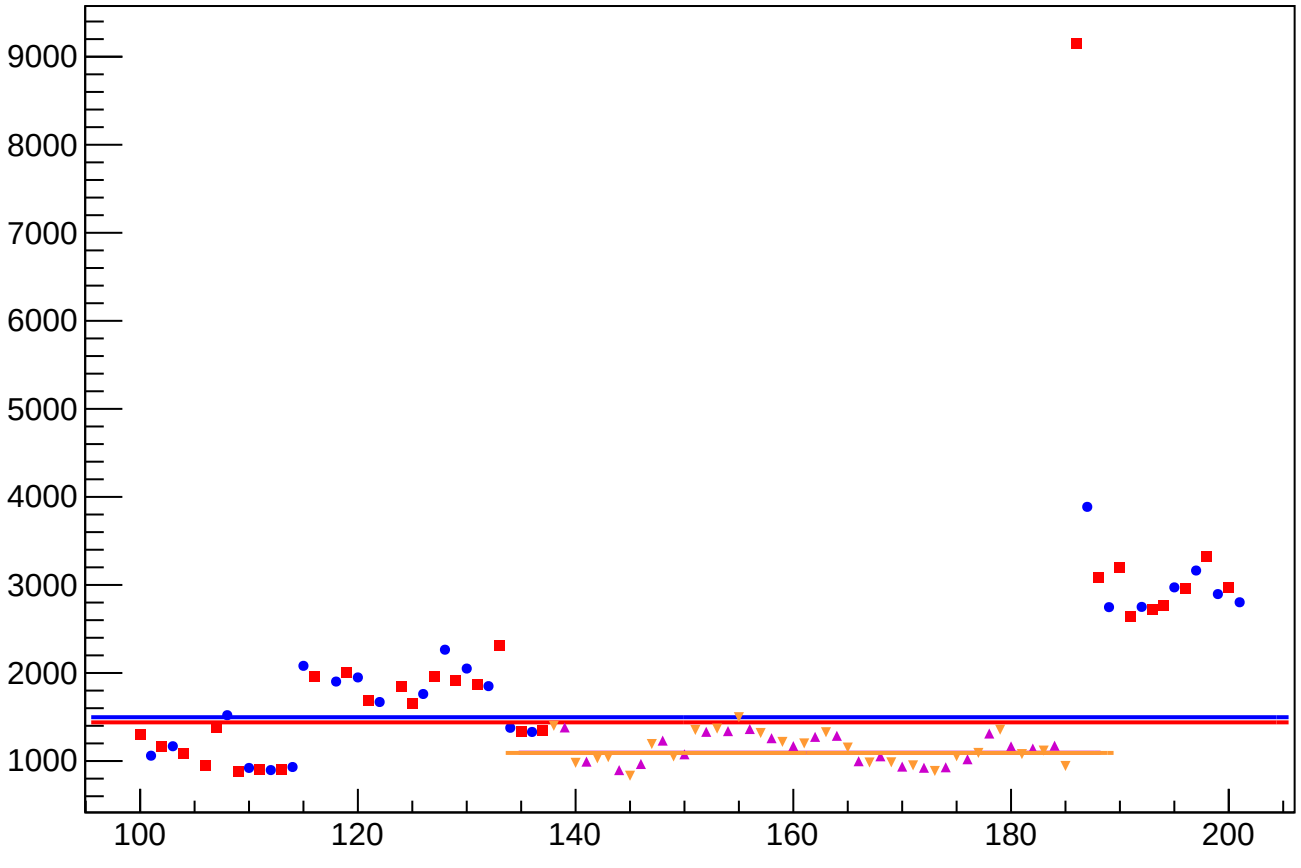
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 398.113+/-319.713 χ^2/NDF: 57.0/50

In: 20.517+/-226.492 χ^2/NDF:53.1/45

Out: -616.745+/-218.311 χ^2/NDF:104.3/52

All: -309.830+/-157.182 χ^2/NDF: 161.5/98



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: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

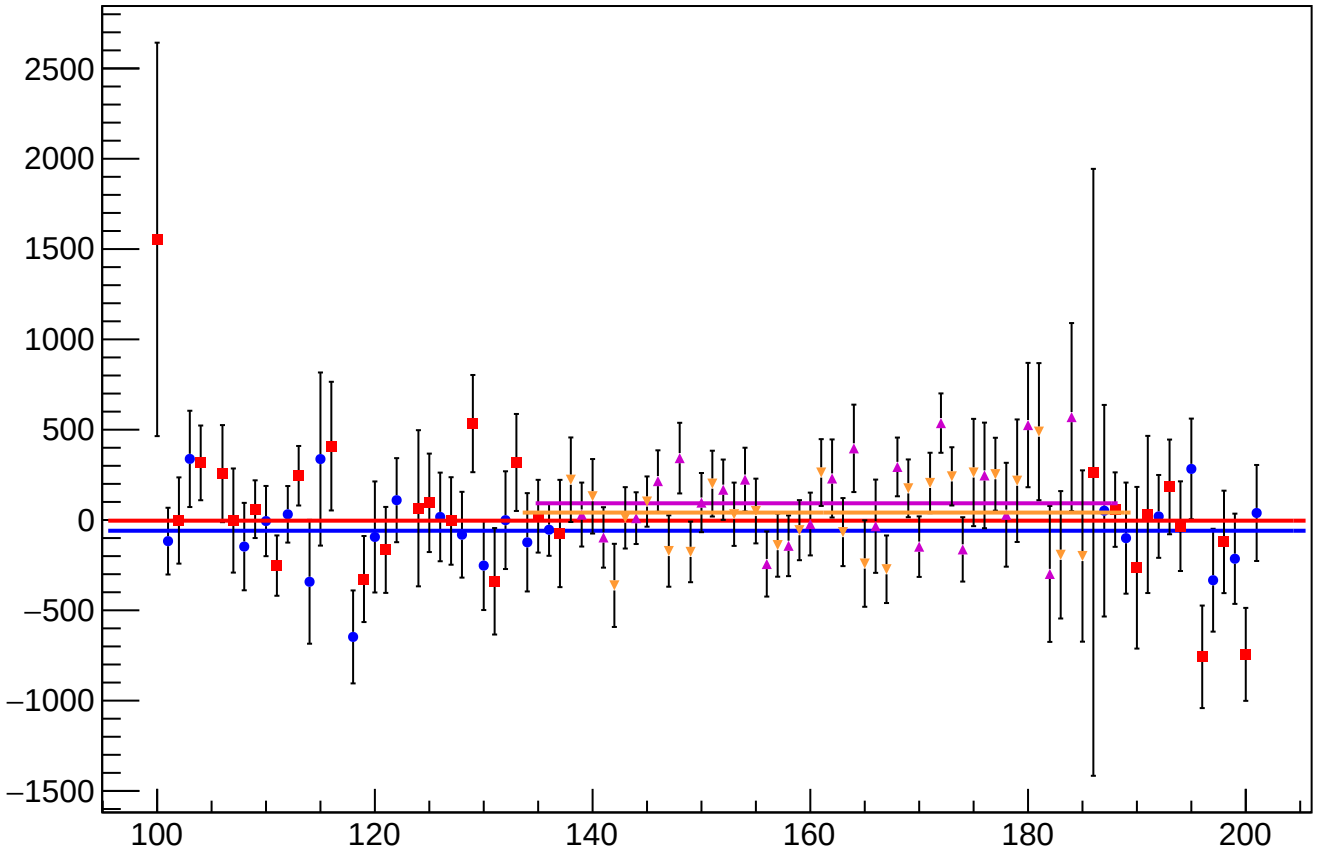
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1466.482+/-0.226 χ^2/NDF: 9435807.3/50

In: 1189.142+/-0.160 χ^2/NDF:5815835.9/45

Out: 1178.103+/-0.154 χ^2/NDF:7310480.9/52

All: 1183.420+/-0.111 χ^2/NDF: 13128779.3/9



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: -3.695+/-47.750 χ^2/NDF: 37.1/27

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

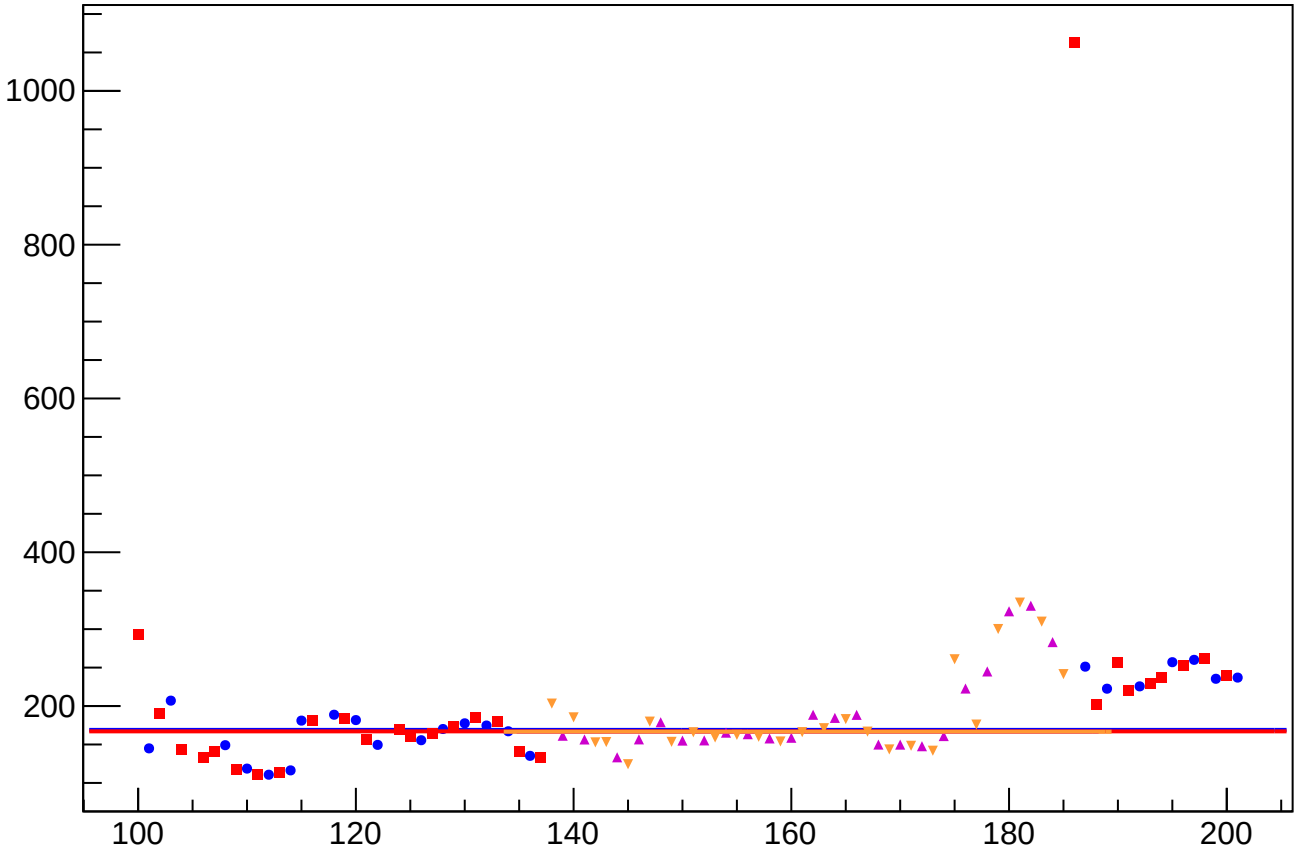
Right: -30.254+/-34.562 χ^2/NDF: 51.7/50

In: 33.056+/-31.335 χ^2/NDF:49.1/45

Out: 23.069+/-30.287 χ^2/NDF:60.0/52

All: 27.893+/-21.777 χ^2/NDF: 109.1/98

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 167.076+/-0.034 χ^2/NDF: 2409793.3/27

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

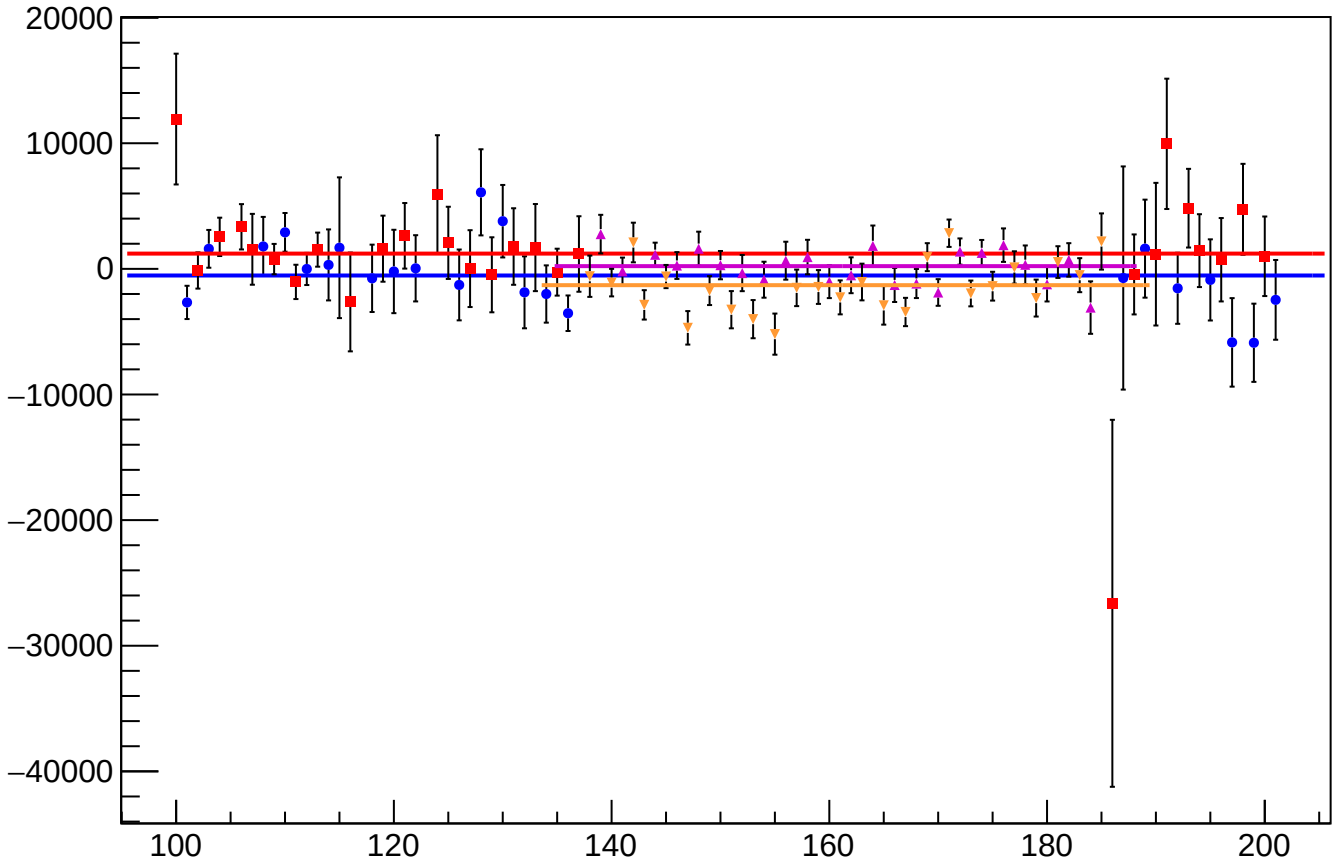
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 167.984+/-0.024 χ^2/NDF: 4006156.9/50

In: 167.355+/-0.022 χ^2/NDF:2990782.9/45

Out: 166.791+/-0.021 χ^2/NDF:4129748.6/52

All: 167.063+/-0.015 χ^2/NDF: 7120866.6/98



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: 1215.119+/-441.407 χ^2/NDF: 22.8/27

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

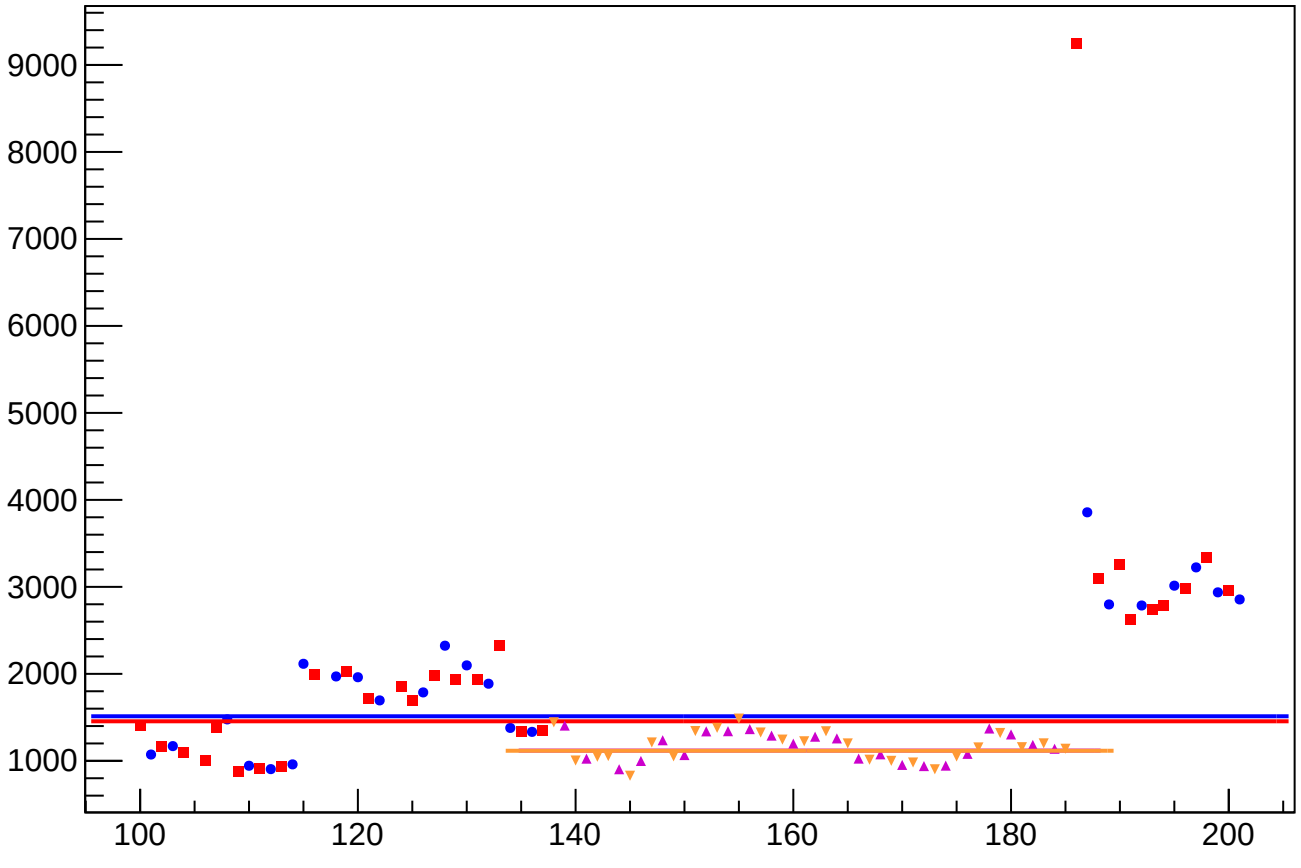
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 402.252+/-322.459 χ^2/NDF: 58.3/50

In: 39.409+/-230.690 χ^2/NDF:52.4/45

Out: -662.149+/-222.073 χ^2/NDF:102.1/52

All: -324.717+/-159.989 χ^2/NDF: 159.3/98



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: 1454.689+/-0.312 χ^2/NDF: 5447997.2/27

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

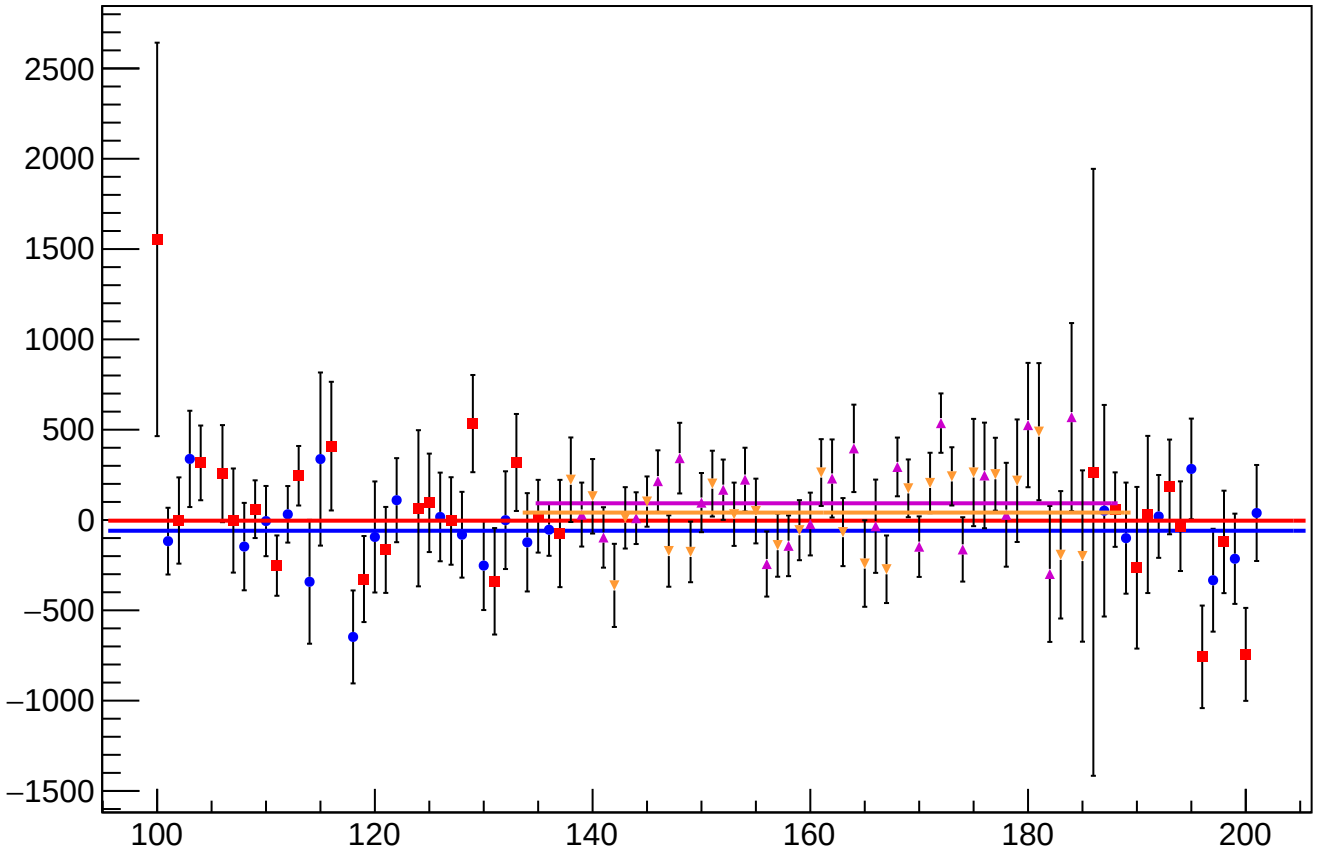
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1481.592+/-0.228 χ^2/NDF: 9446946.2/50

In: 1211.999+/-0.163 χ^2/NDF:5775443.1/45

Out: 1201.751+/-0.157 χ^2/NDF:7194759.8/52

All: 1206.680+/-0.113 χ^2/NDF: 12972251.2/9



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: -3.696+/-47.750 χ^2/NDF: 37.1/27

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

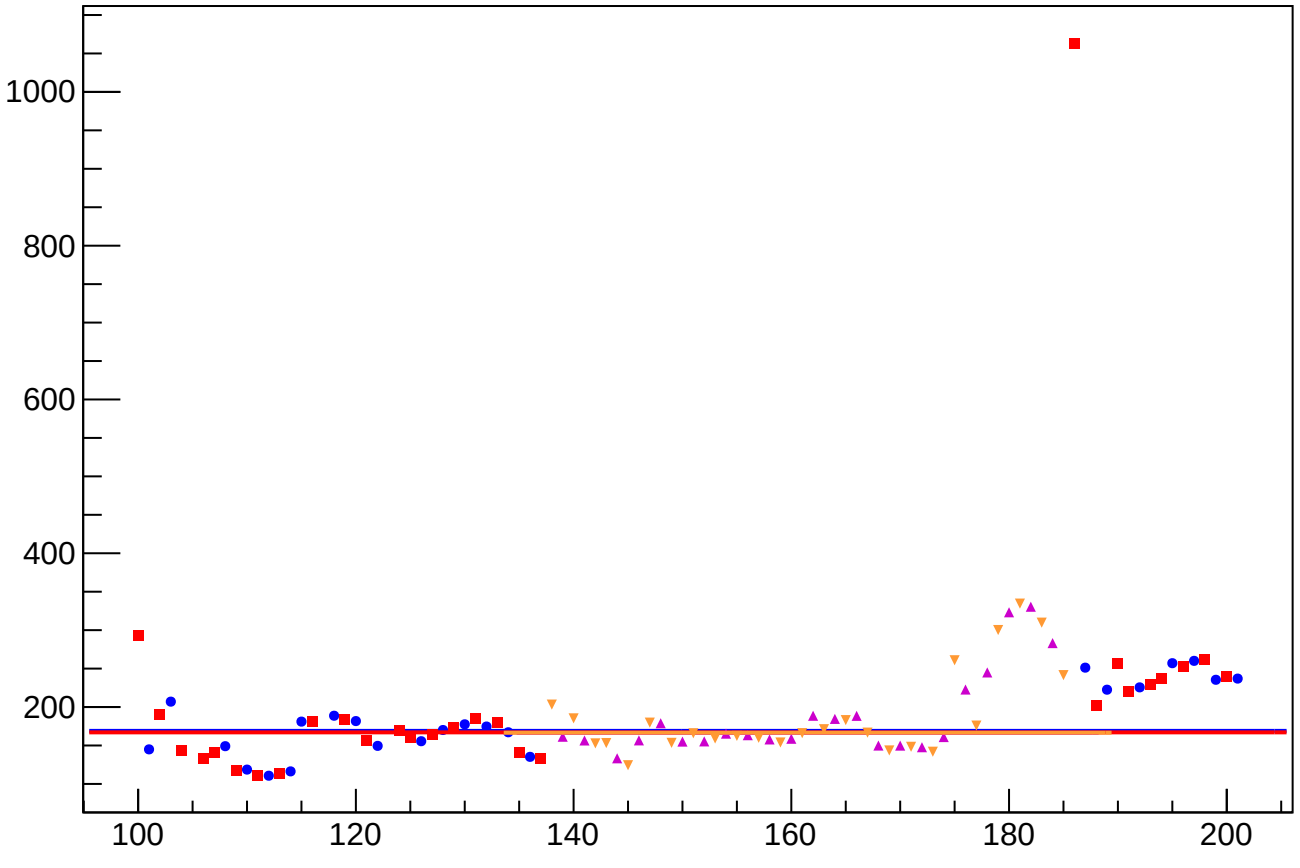
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -30.253+/-34.562 χ^2/NDF: 51.7/50

In: 33.057+/-31.335 χ^2/NDF:49.1/45

Out: 23.070+/-30.288 χ^2/NDF:60.0/52

All: 27.894+/-21.777 χ^2/NDF: 109.1/98



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: 167.076+/-0.034 χ^2/NDF: 2409795.3/27

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

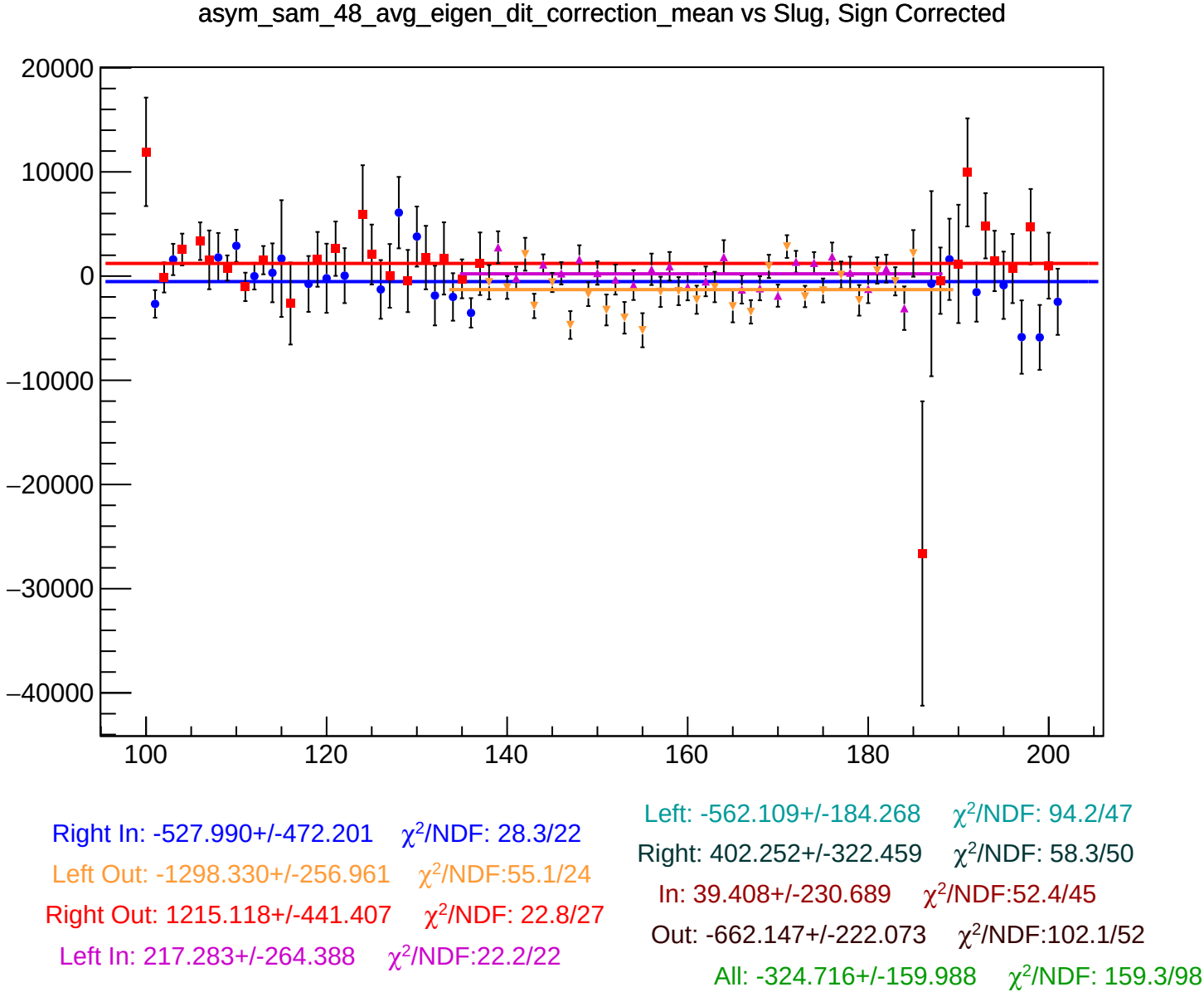
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

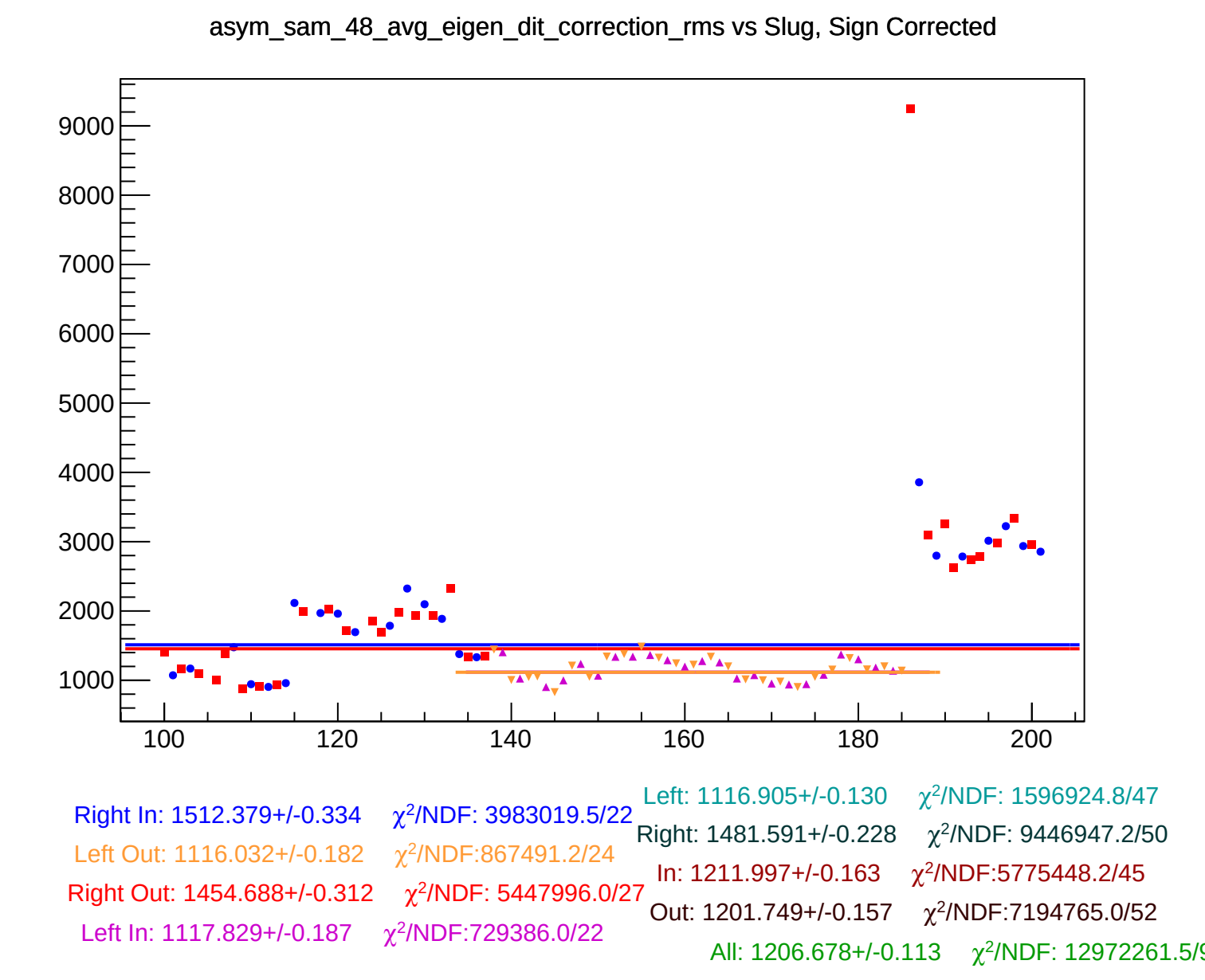
Right: 167.984+/-0.024 χ^2/NDF: 4006150.5/50

In: 167.355+/-0.022 χ^2/NDF:2990753.4/45

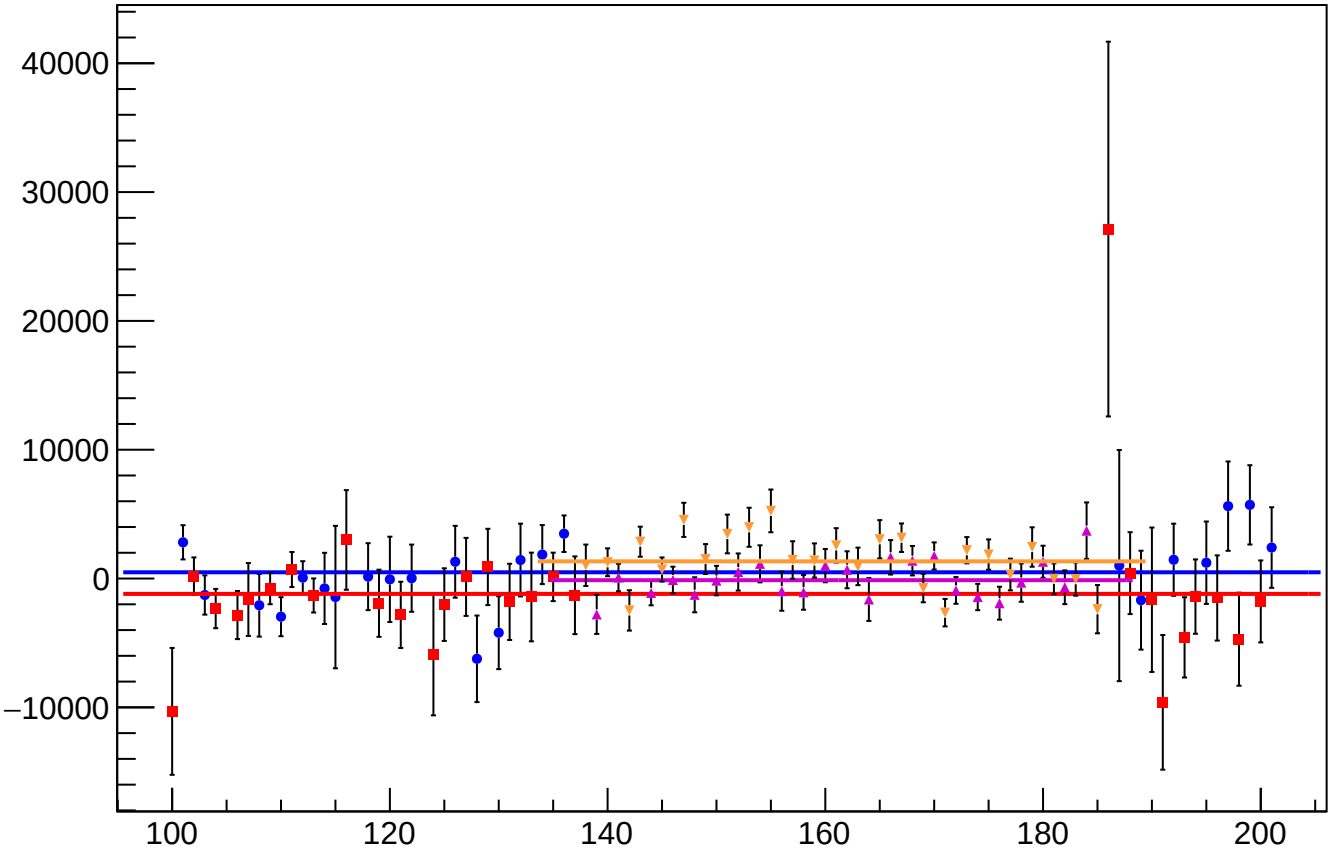
Out: 166.791+/-0.021 χ^2/NDF:4129744.2/52

All: 167.063+/-0.015 χ^2/NDF: 7120832.7/98


asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -527.990+/-472.201 χ²/NDF: 28.3/22
Left Out: -1298.330+/-256.961 χ²/NDF:55.1/24
Right Out: 1215.118+/-441.407 χ²/NDF: 22.8/27
Left In: 217.283+/-264.388 χ²/NDF:22.2/22
Left: -562.109+/-184.268 χ²/NDF: 94.2/47
Right: 402.252+/-322.459 χ²/NDF: 58.3/50
In: 39.408+/-230.689 χ²/NDF:52.4/45
Out: -662.147+/-222.073 χ²/NDF:102.1/52
All: -324.716+/-159.988 χ²/NDF: 159.3/98


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1512.379+/-0.334 χ²/NDF: 3983019.5/22
Left Out: 1116.032+/-0.182 χ²/NDF:867491.2/24
Right Out: 1454.688+/-0.312 χ²/NDF: 5447996.0/27
Left In: 1117.829+/-0.187 χ²/NDF:729386.0/22
Left: 1116.905+/-0.130 χ²/NDF: 1596924.8/47
Right: 1481.591+/-0.228 χ²/NDF: 9446947.2/50
In: 1211.997+/-0.163 χ²/NDF:5775448.2/45
Out: 1201.749+/-0.157 χ²/NDF:7194765.0/52
All: 1206.678+/-0.113 χ²/NDF: 12972261.5/9

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: -1192.555+/-440.628 χ^2/NDF: 20.5/27

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

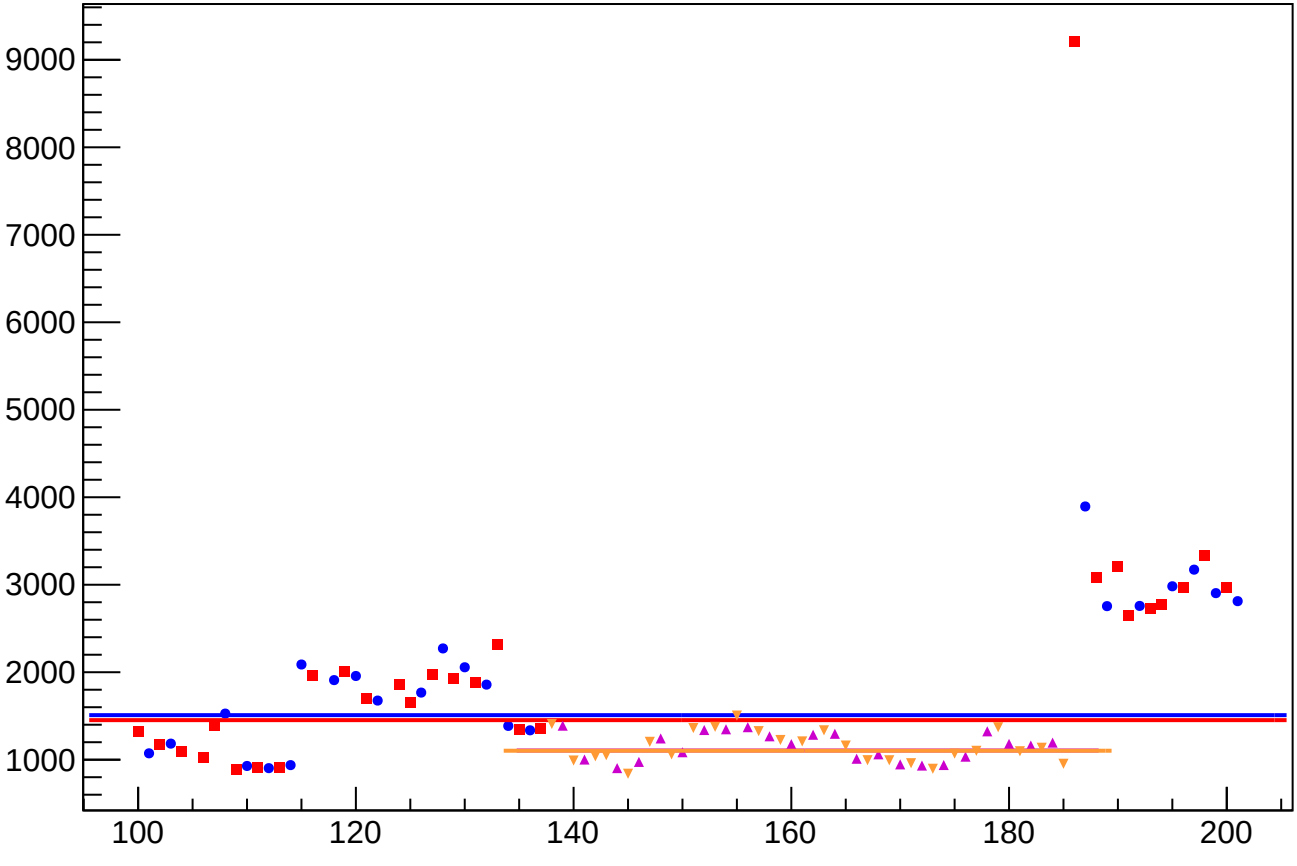
Right: -408.654+/-321.642 χ^2/NDF: 56.2/50

In: 16.388+/-228.523 χ^2/NDF:54.2/45

Out: 703.671+/-220.178 χ^2/NDF:100.9/52

All: 372.808+/-158.557 χ^2/NDF: 159.8/98

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: 1452.298+/-0.312 χ^2/NDF: 5405771.6/27

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

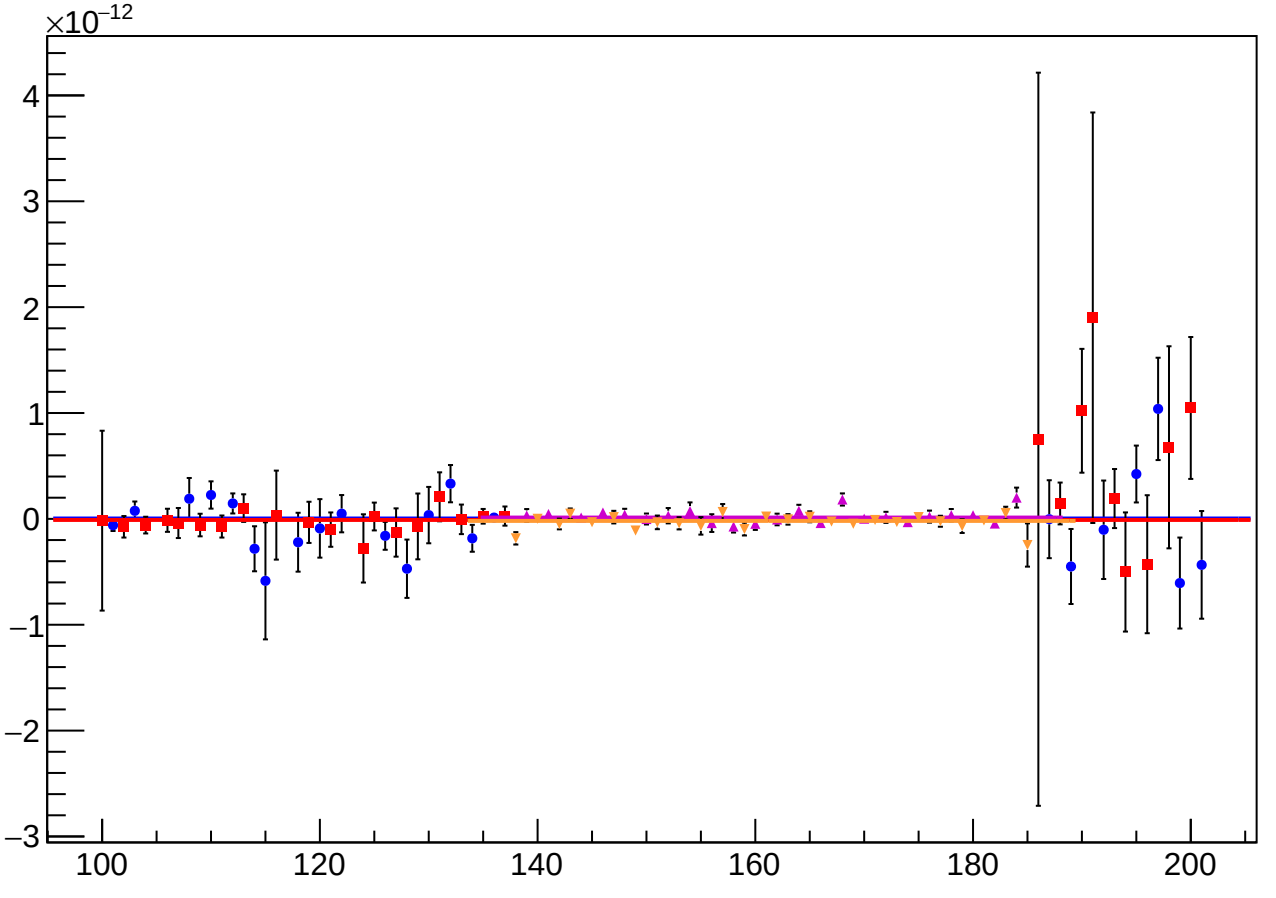
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1478.947+/-0.227 χ^2/NDF: 9324263.6/50

In: 1200.503+/-0.162 χ^2/NDF:5753364.3/45

Out: 1189.992+/-0.156 χ^2/NDF:7230872.7/52

All: 1195.052+/-0.112 χ^2/NDF: 12986431.4/9



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/27

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

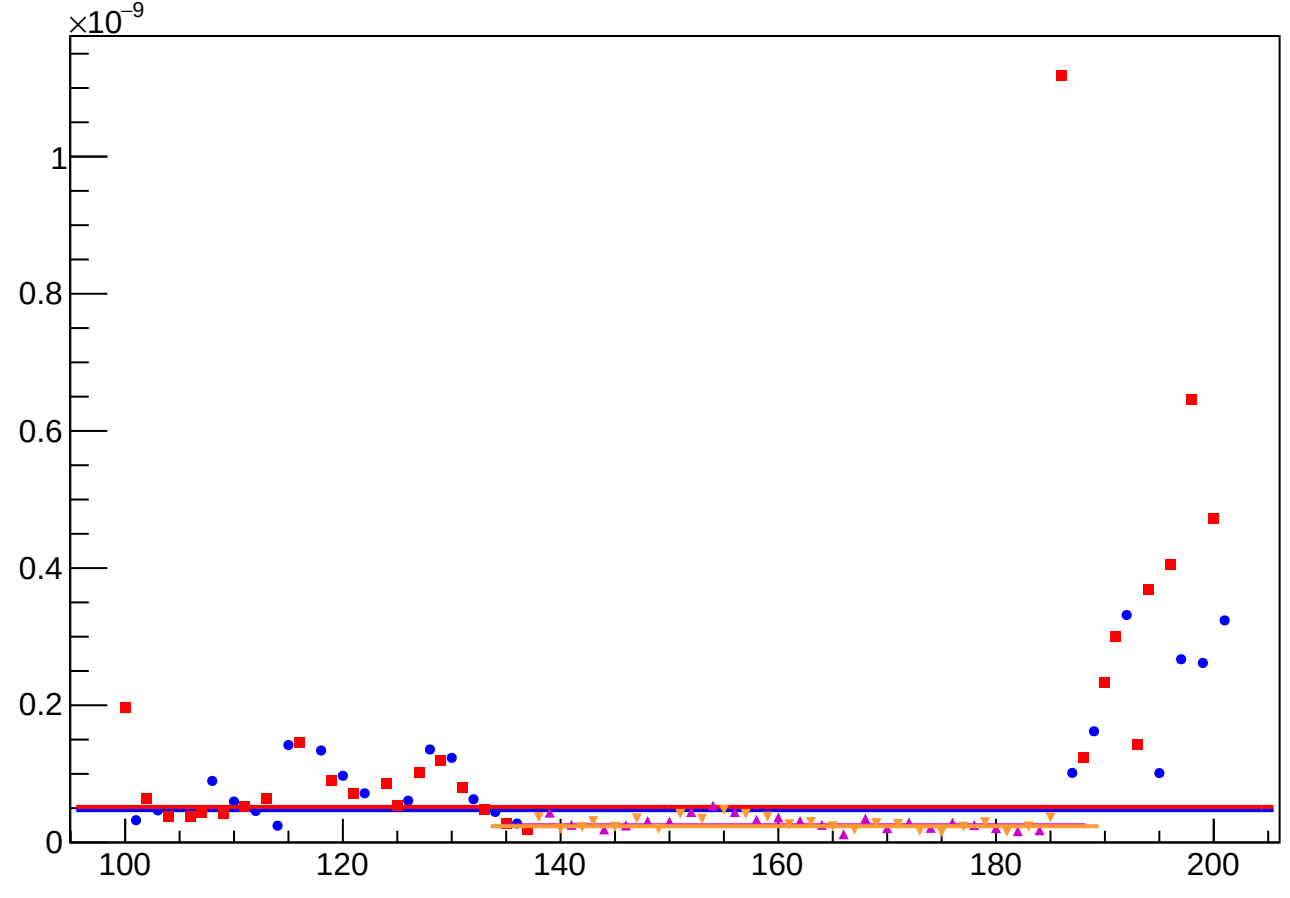
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 48.1/50

In: 0.000+/-0.000 χ^2/NDF:60.9/45

Out: -0.000+/-0.000 χ^2/NDF:40.9/52

All: -0.000+/-0.000 χ^2/NDF: 106.9/98



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: 4873389.1/27

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

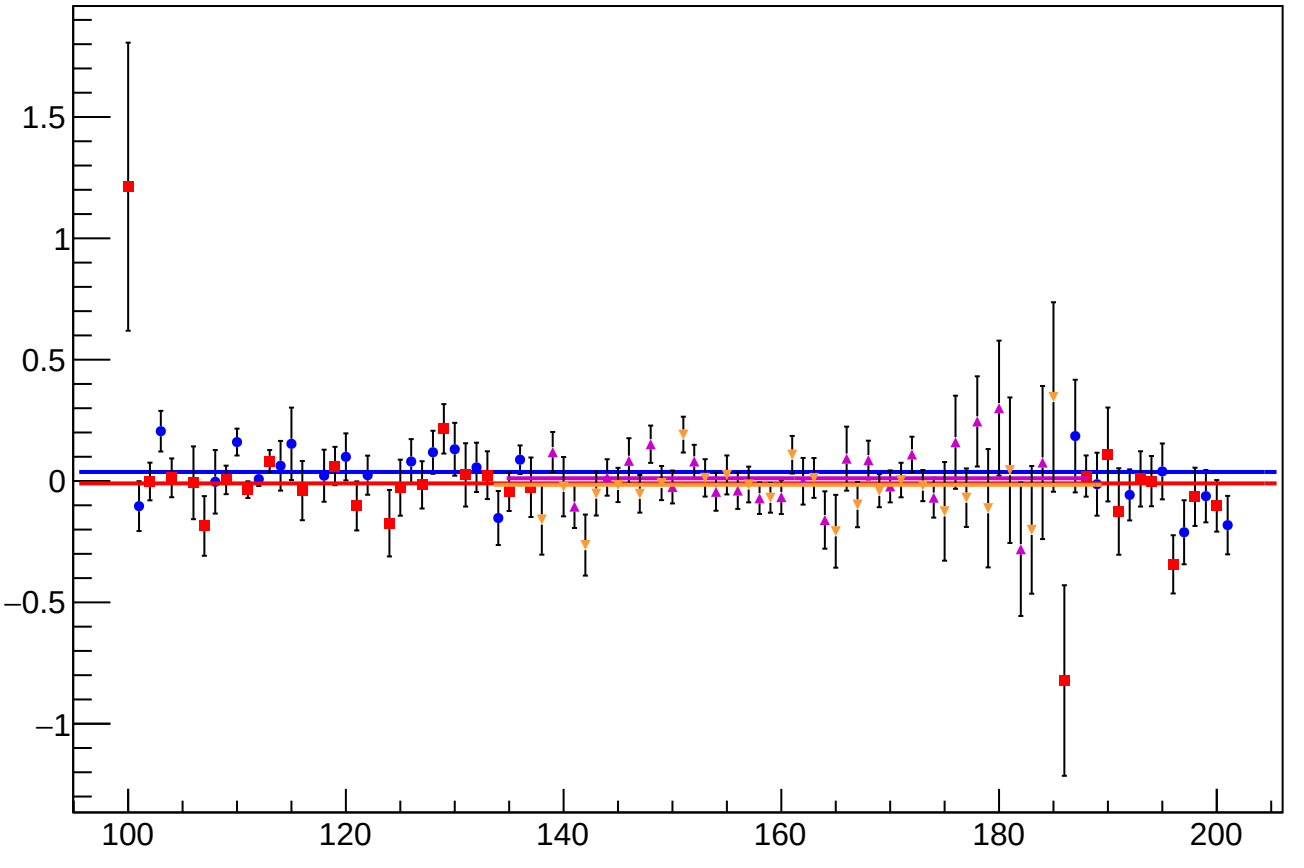
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8895372.1/50

In: 0.000+/-0.000 χ^2/NDF:6758157.7/45

Out: 0.000+/-0.000 χ^2/NDF:8105426.3/52

All: 0.000+/-0.000 χ^2/NDF: 14891128.6/98



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: -0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

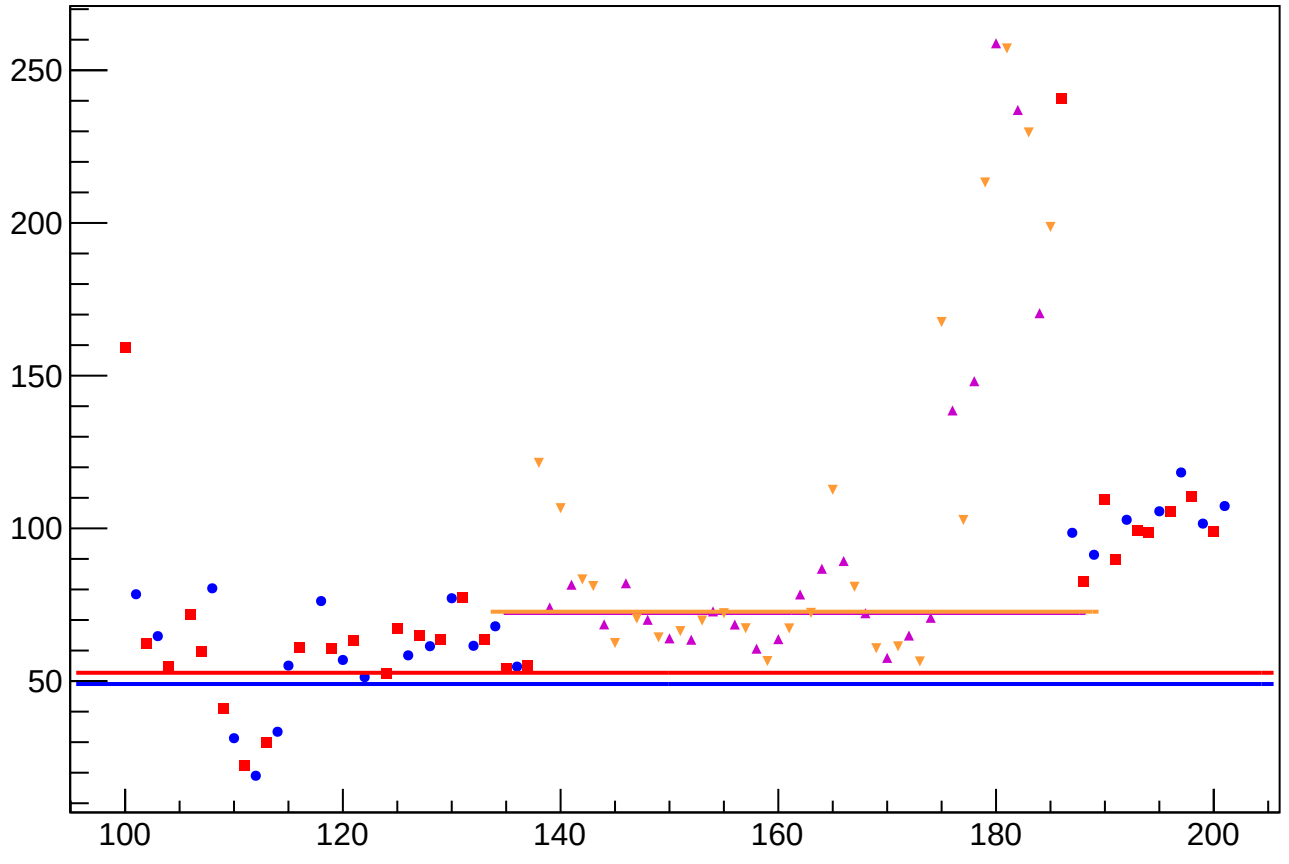
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.014+/-0.012 χ^2/NDF: 65.4/50

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.006+/-0.009 χ^2/NDF: 112.2/98



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: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

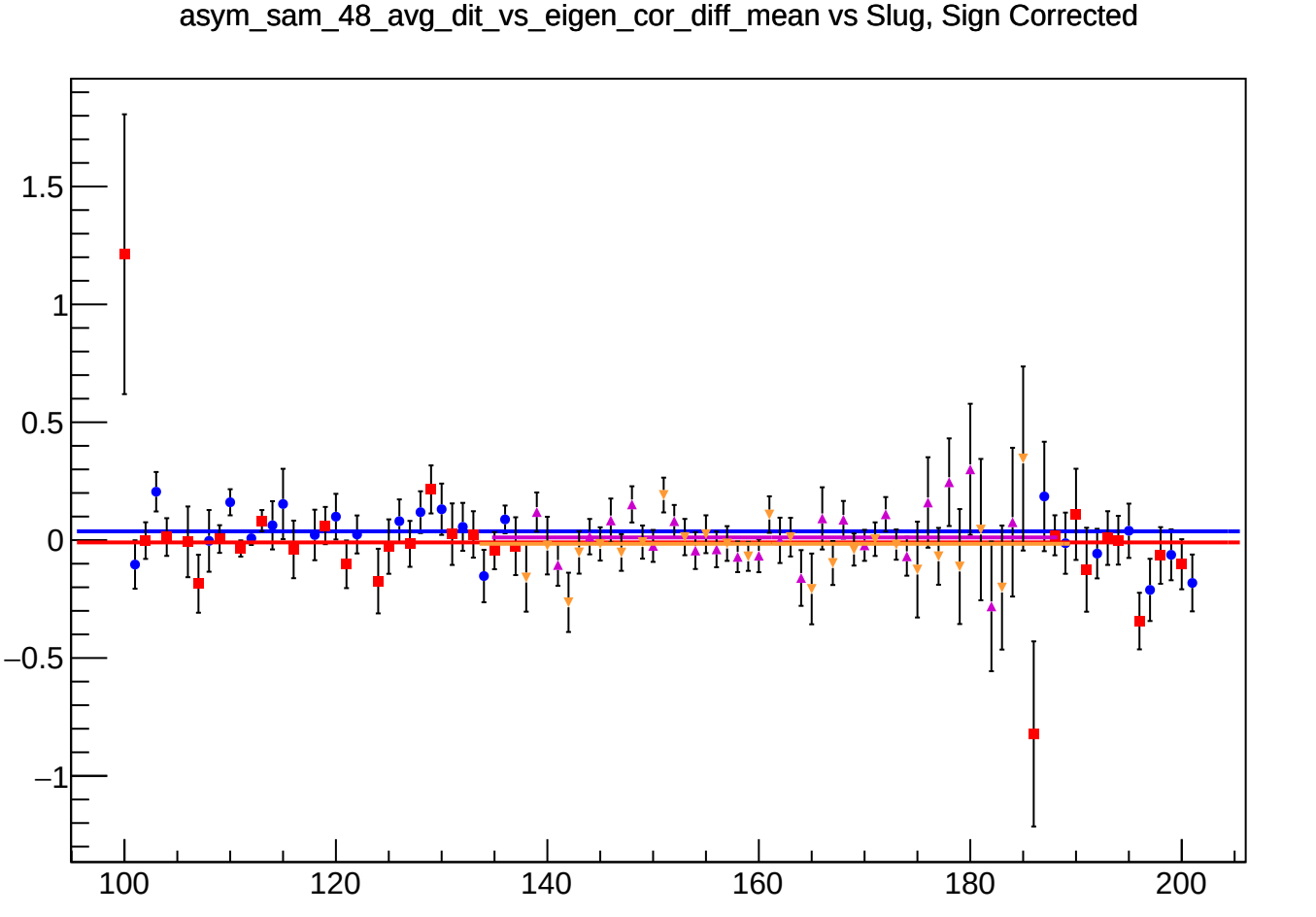
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

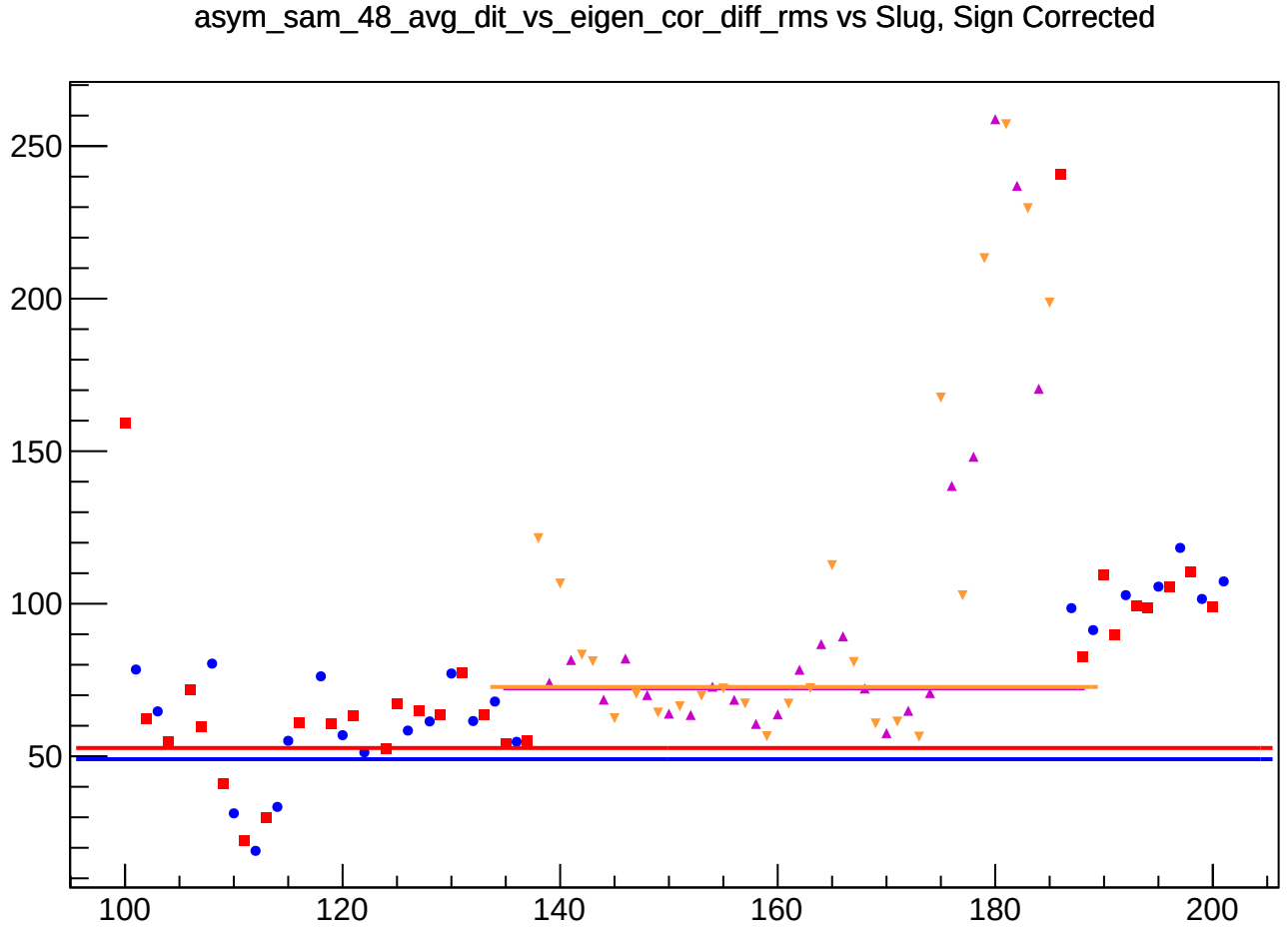
Right: 50.902+/-0.008 χ^2/NDF: 11640799.1/50

In: 59.577+/-0.009 χ^2/NDF:10691105.3/45

Out: 61.817+/-0.009 χ^2/NDF:10778013.6/52

All: 60.713+/-0.006 χ^2/NDF: 21502816.3/98


asym_sam_48_avg_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: -0.010+/-0.016 χ²/NDF: 33.6/27
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: 65.4/50
In: 0.026+/-0.012 χ²/NDF:52.2/45
Out: -0.012+/-0.012 χ²/NDF:55.3/52
All: 0.006+/-0.009 χ²/NDF: 112.2/98



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: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

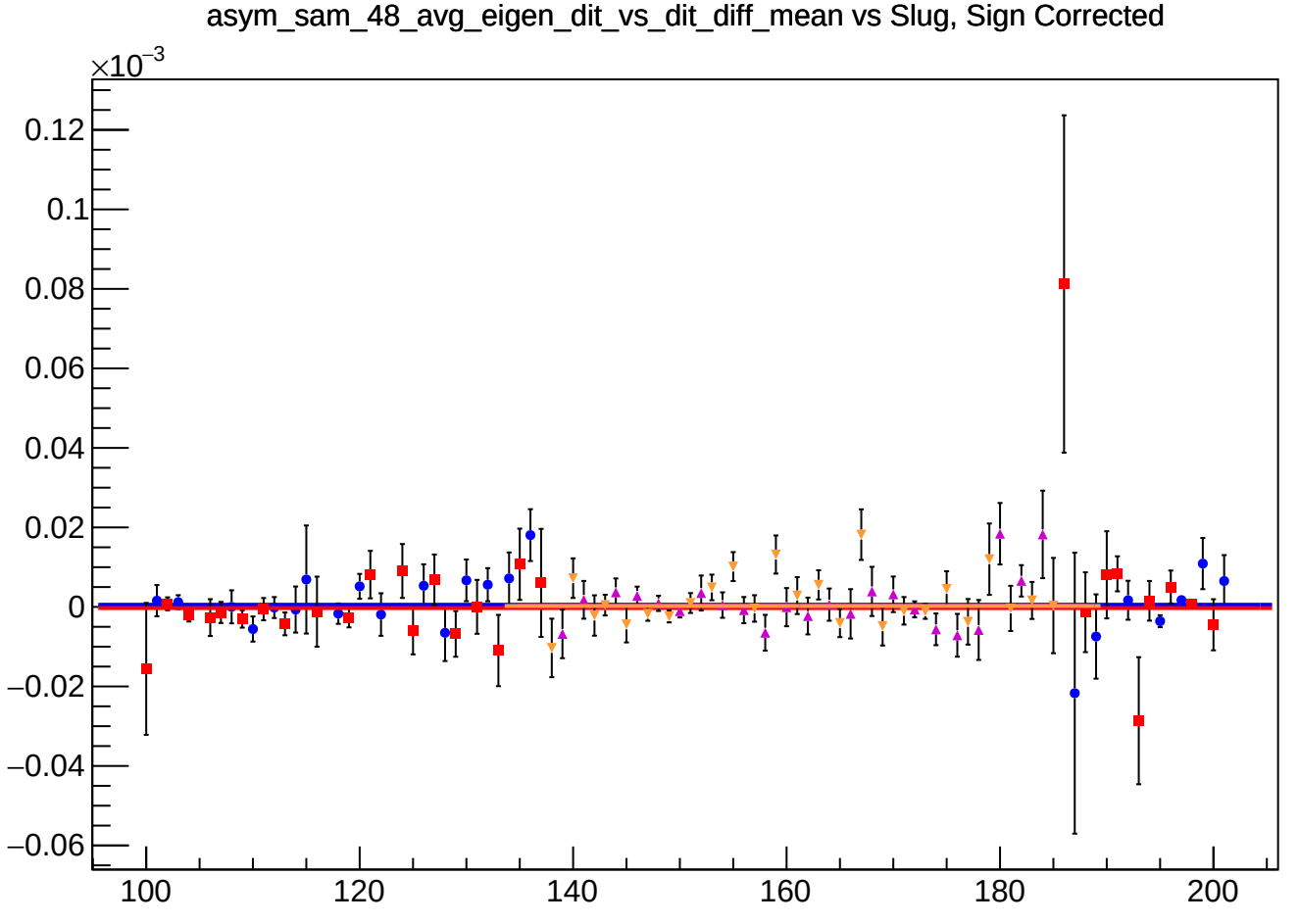
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 50.902+/-0.008 χ^2/NDF: 11640799.1/50

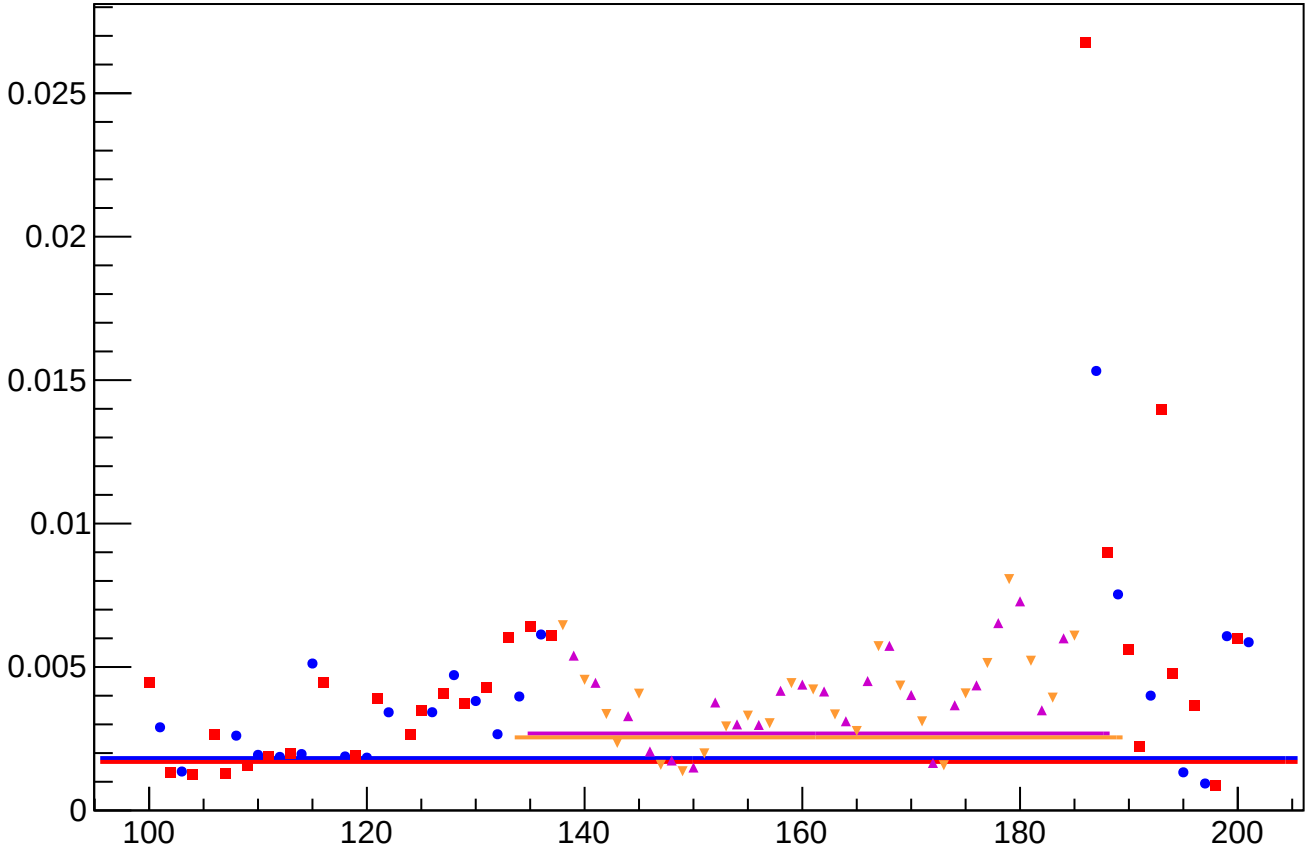
In: 59.577+/-0.009 χ^2/NDF:10691105.3/45

Out: 61.817+/-0.009 χ^2/NDF:10778013.6/52

All: 60.713+/-0.006 χ^2/NDF: 21502816.3/98


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 33.1/22
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.8/27
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: 0.000+/-0.000 χ²/NDF: 65.8/50
In: 0.000+/-0.000 χ²/NDF:57.3/45
Out: -0.000+/-0.000 χ²/NDF:75.5/52
All: 0.000+/-0.000 χ²/NDF: 133.3/98

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: 9864558.2/27

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

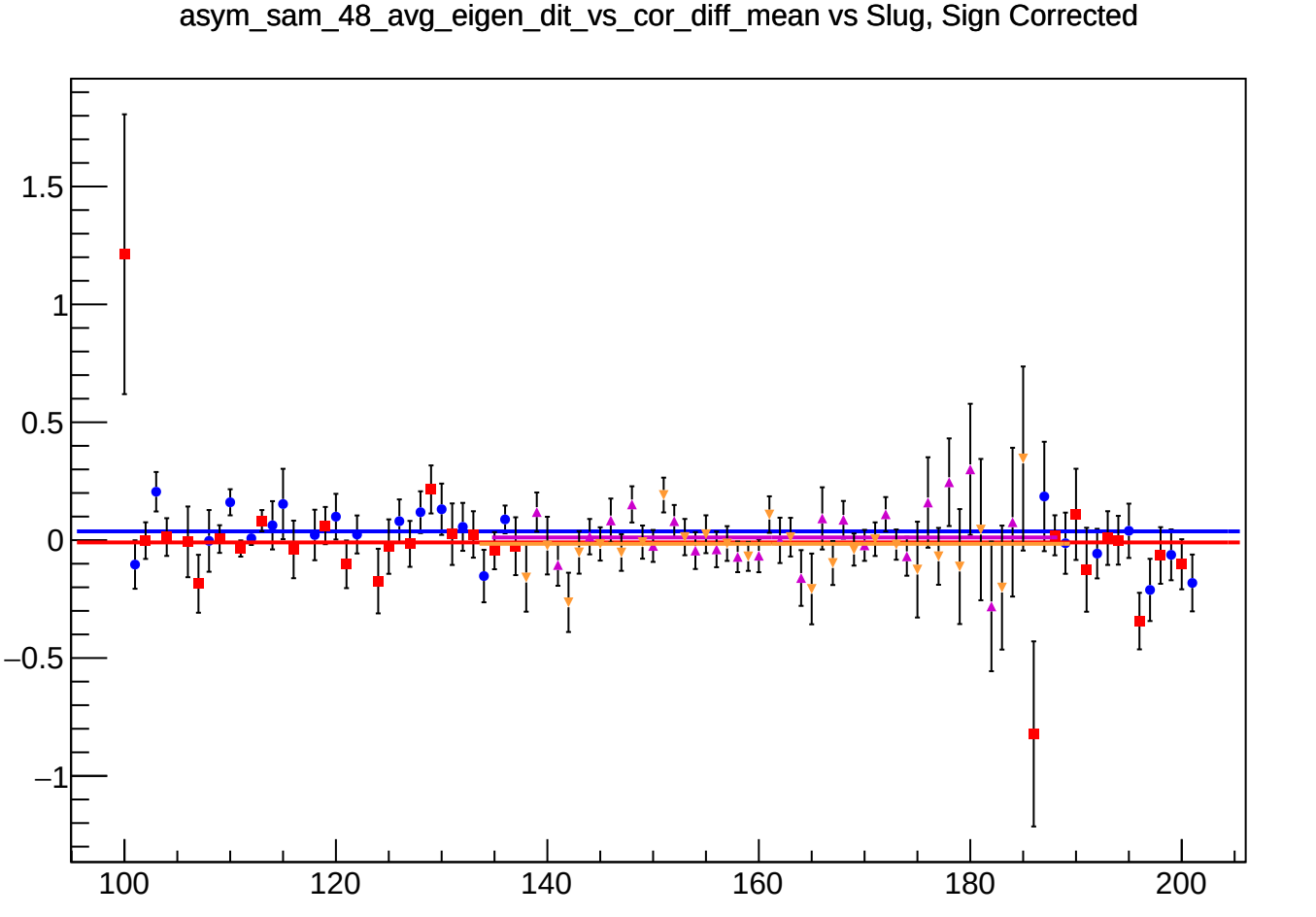
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 16691608.0/50

In: 0.002+/-0.000 χ^2/NDF:14888577.9/45

Out: 0.002+/-0.000 χ^2/NDF:19251826.5/52

All: 0.002+/-0.000 χ^2/NDF: 34232336.2/98



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: -0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

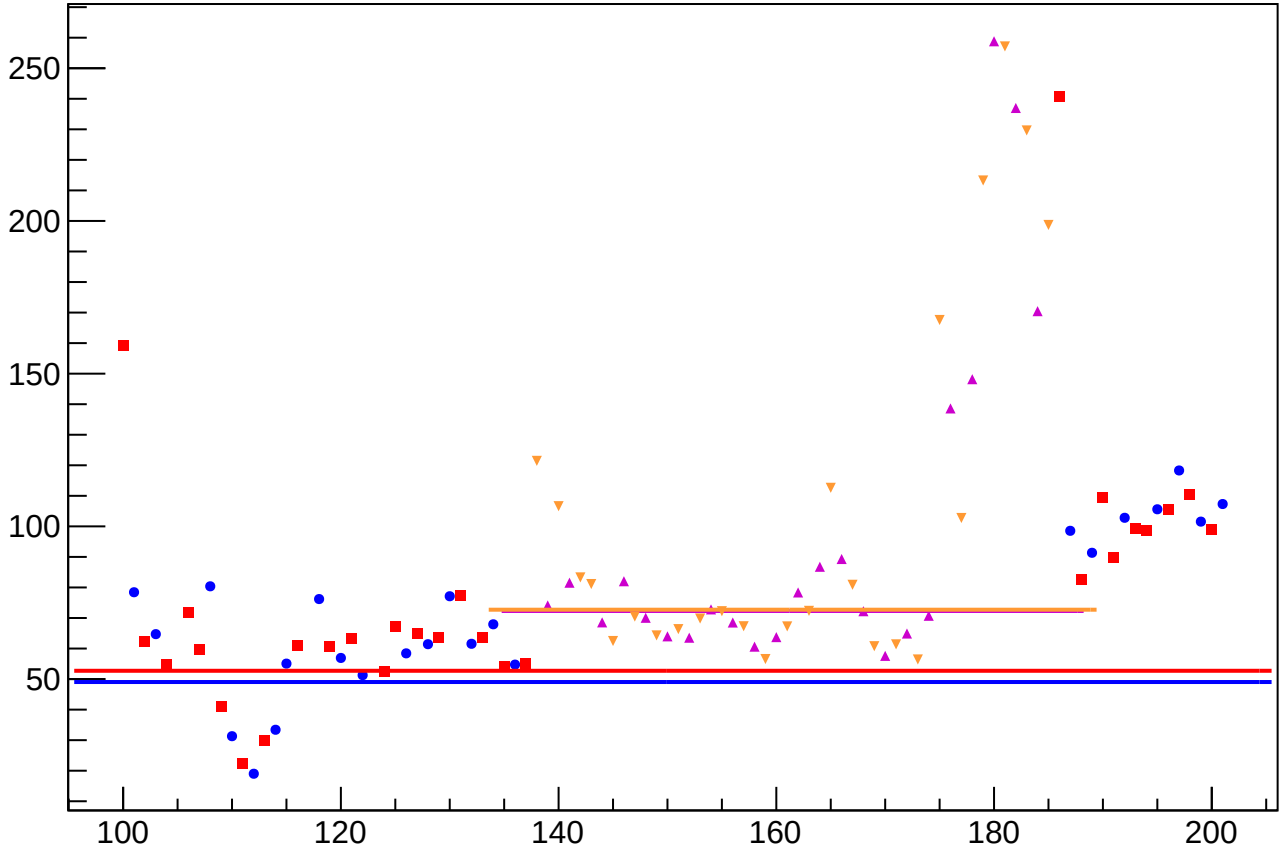
Right: 0.014+/-0.012 χ^2/NDF: 65.4/50

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.006+/-0.009 χ^2/NDF: 112.2/98

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: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

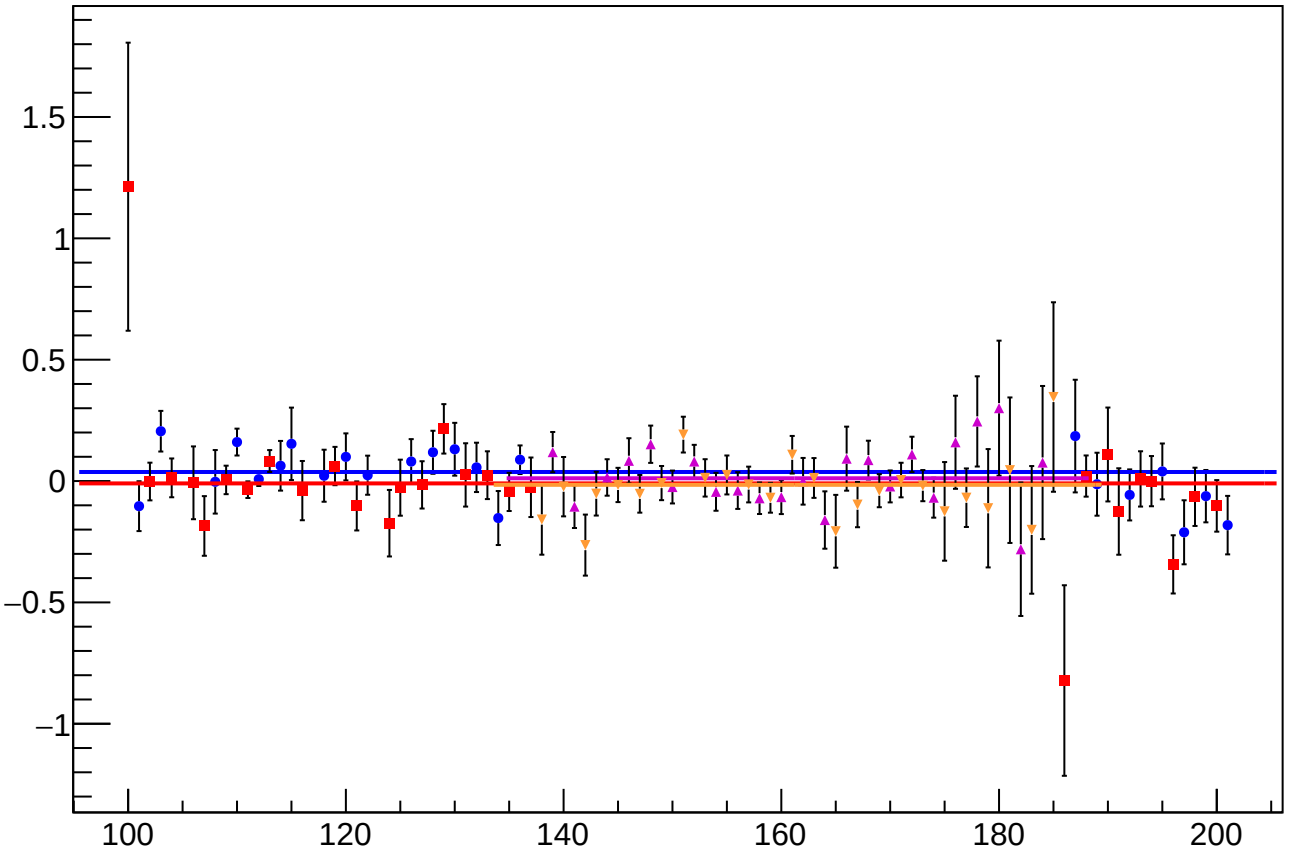
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 50.901+/-0.008 χ^2/NDF: 11641283.4/50

In: 59.577+/-0.009 χ^2/NDF:10691505.5/45

Out: 61.817+/-0.009 χ^2/NDF:10778436.7/52

All: 60.713+/-0.006 χ^2/NDF: 21503643.3/98



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: -0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

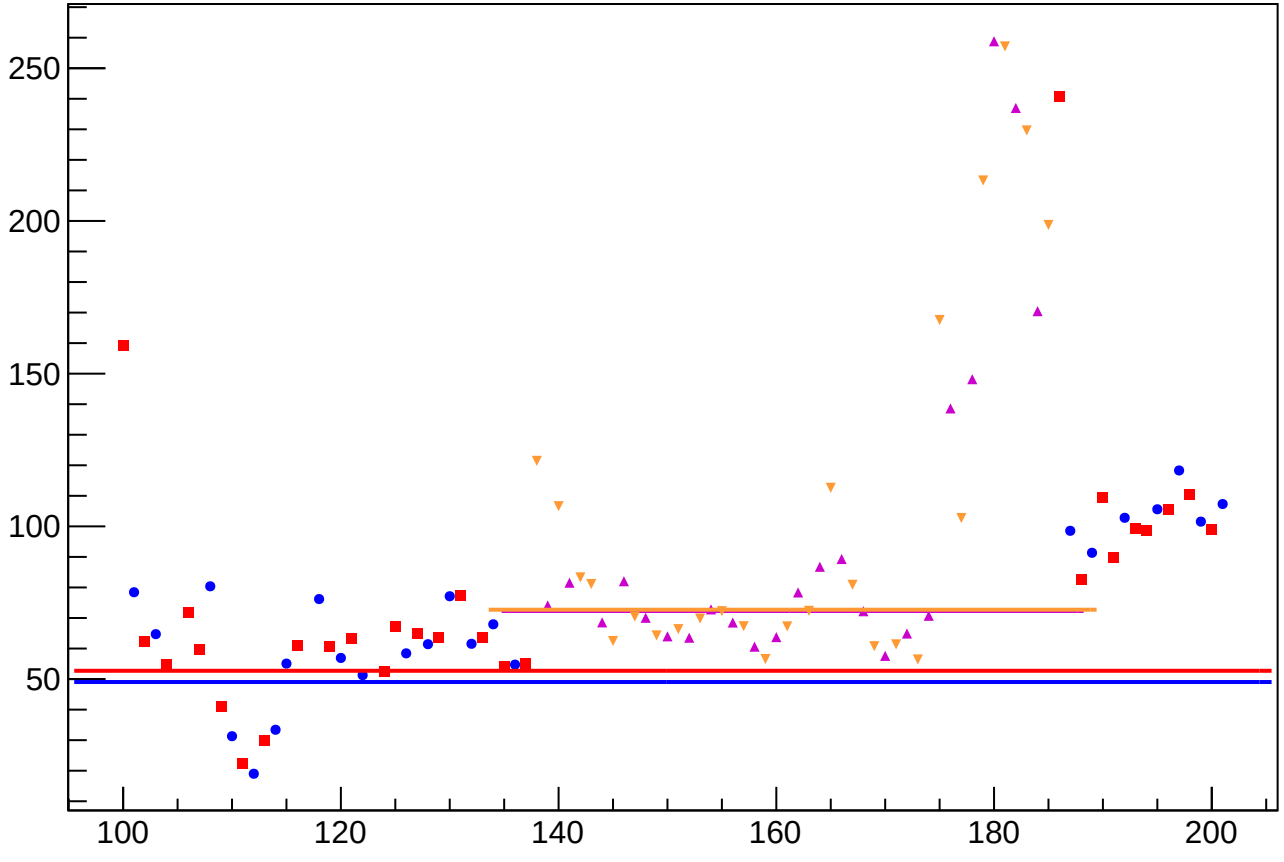
Right: 0.014+/-0.012 χ^2/NDF: 65.4/50

In: 0.026+/-0.012 χ^2/NDF:52.2/45

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.006+/-0.009 χ^2/NDF: 112.2/98

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: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

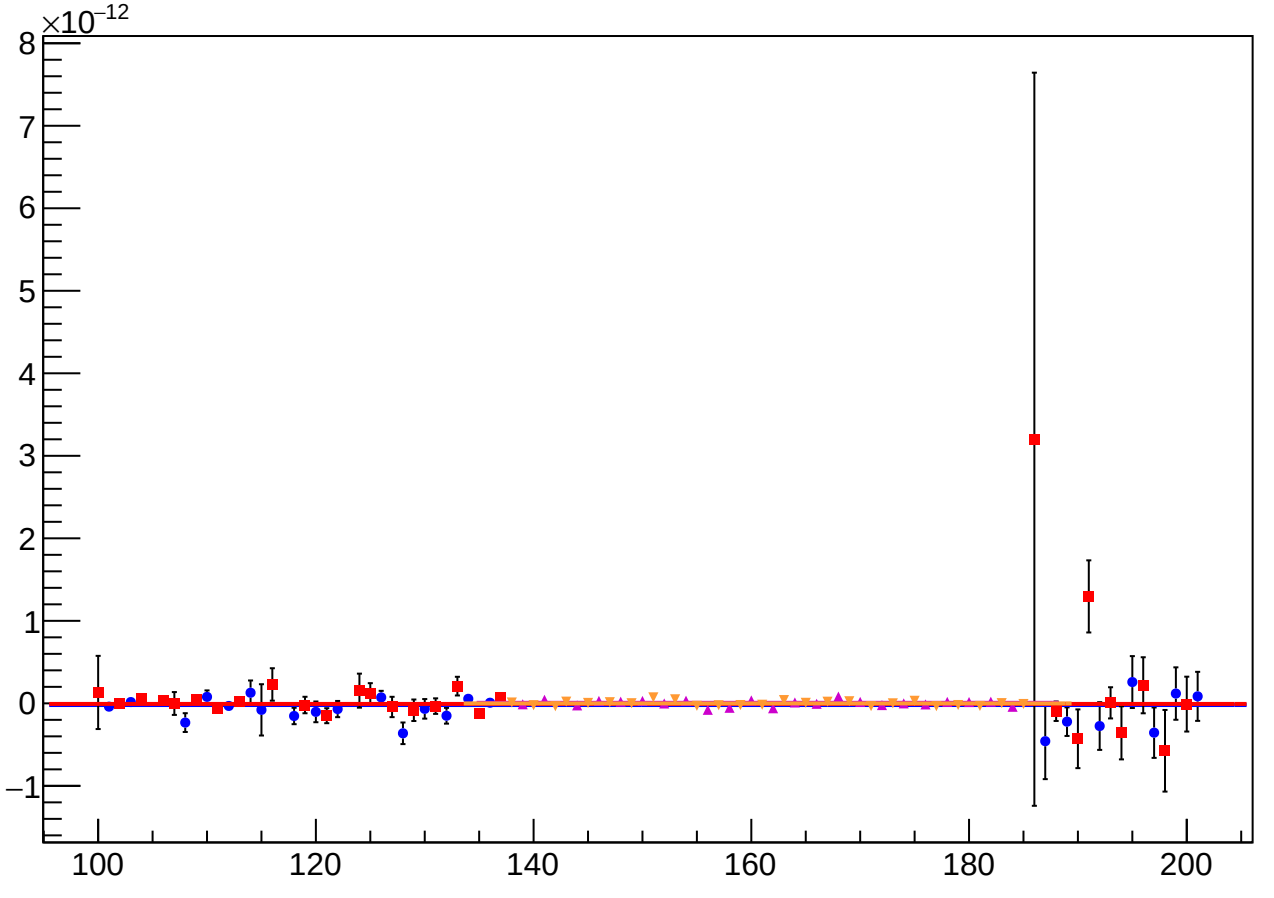
Right: 50.901+/-0.008 χ^2/NDF: 11641283.4/50

In: 59.577+/-0.009 χ^2/NDF:10691505.5/45

Out: 61.817+/-0.009 χ^2/NDF:10778436.7/52

All: 60.713+/-0.006 χ^2/NDF: 21503643.3/98

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: 37.6/27

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

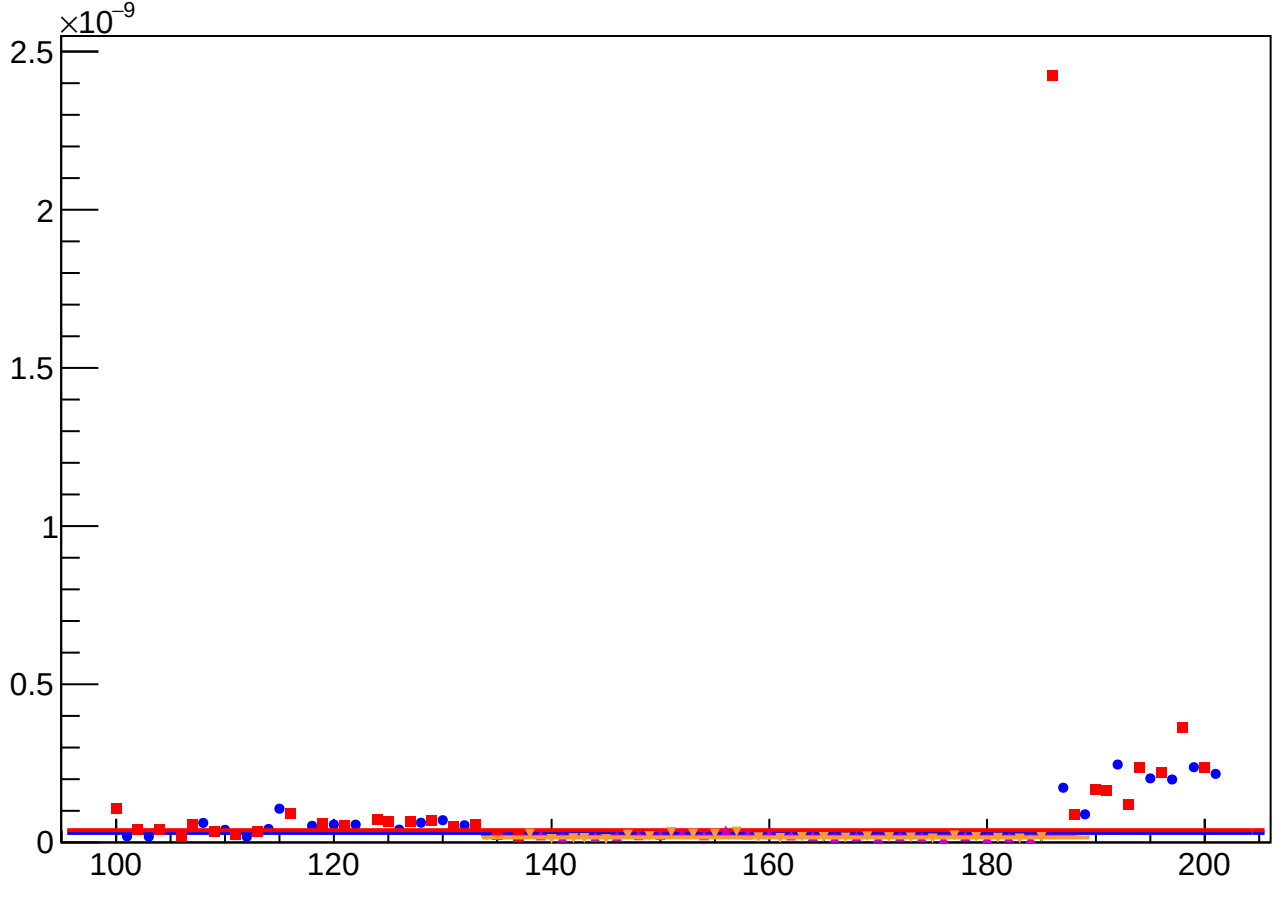
Right: -0.000+/-0.000 χ^2/NDF: 66.4/50

In: 0.000+/-0.000 χ^2/NDF:69.7/45

Out: -0.000+/-0.000 χ^2/NDF:65.7/52

All: 0.000+/-0.000 χ^2/NDF: 135.8/98

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6419690.7/27

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

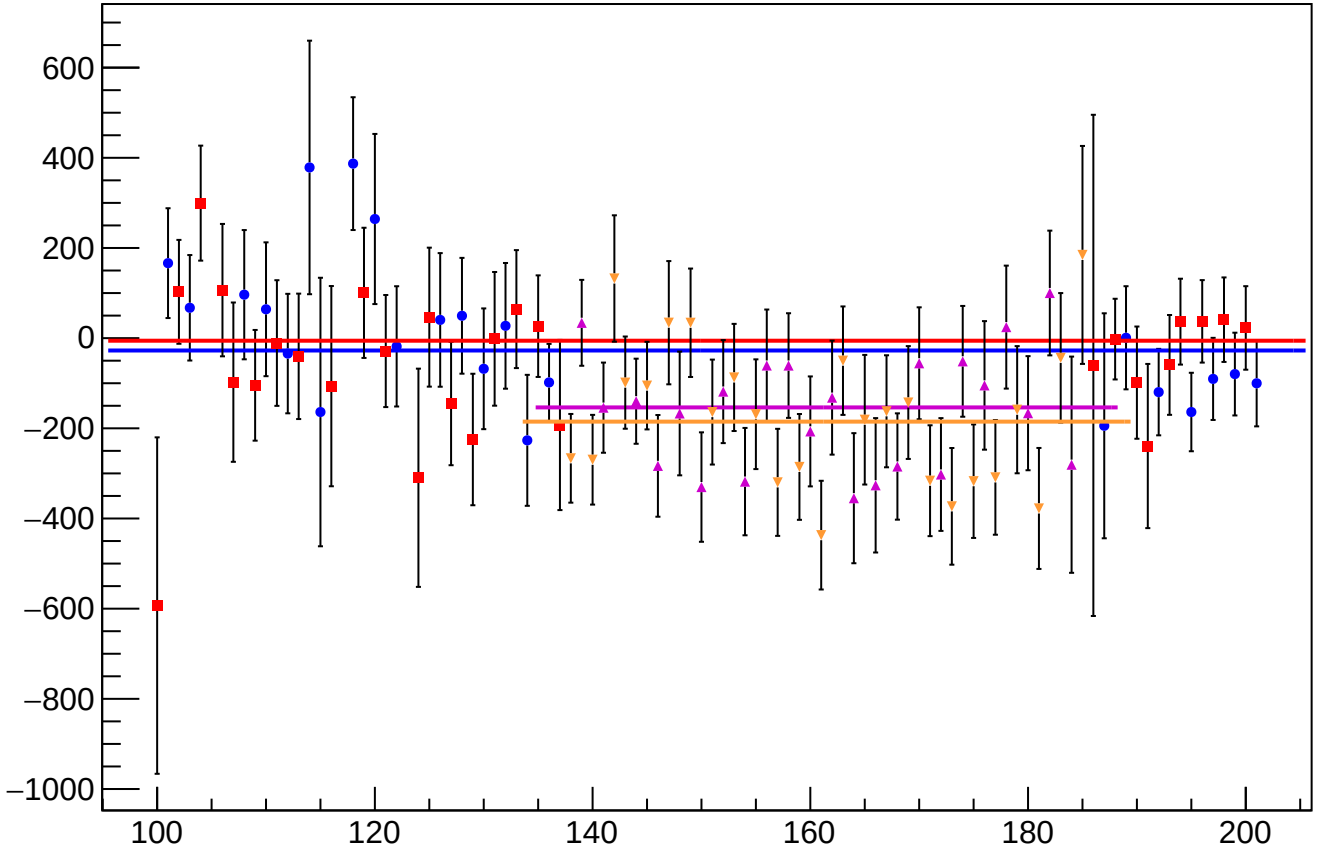
Right: 0.000+/-0.000 χ^2/NDF: 12996971.8/50

In: 0.000+/-0.000 χ^2/NDF:9136199.1/45

Out: 0.000+/-0.000 χ^2/NDF:12402477.8/52

All: 0.000+/-0.000 χ^2/NDF: 21735497.2/98

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



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: -5.685+/-24.544 χ^2/NDF: 21.0/27

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

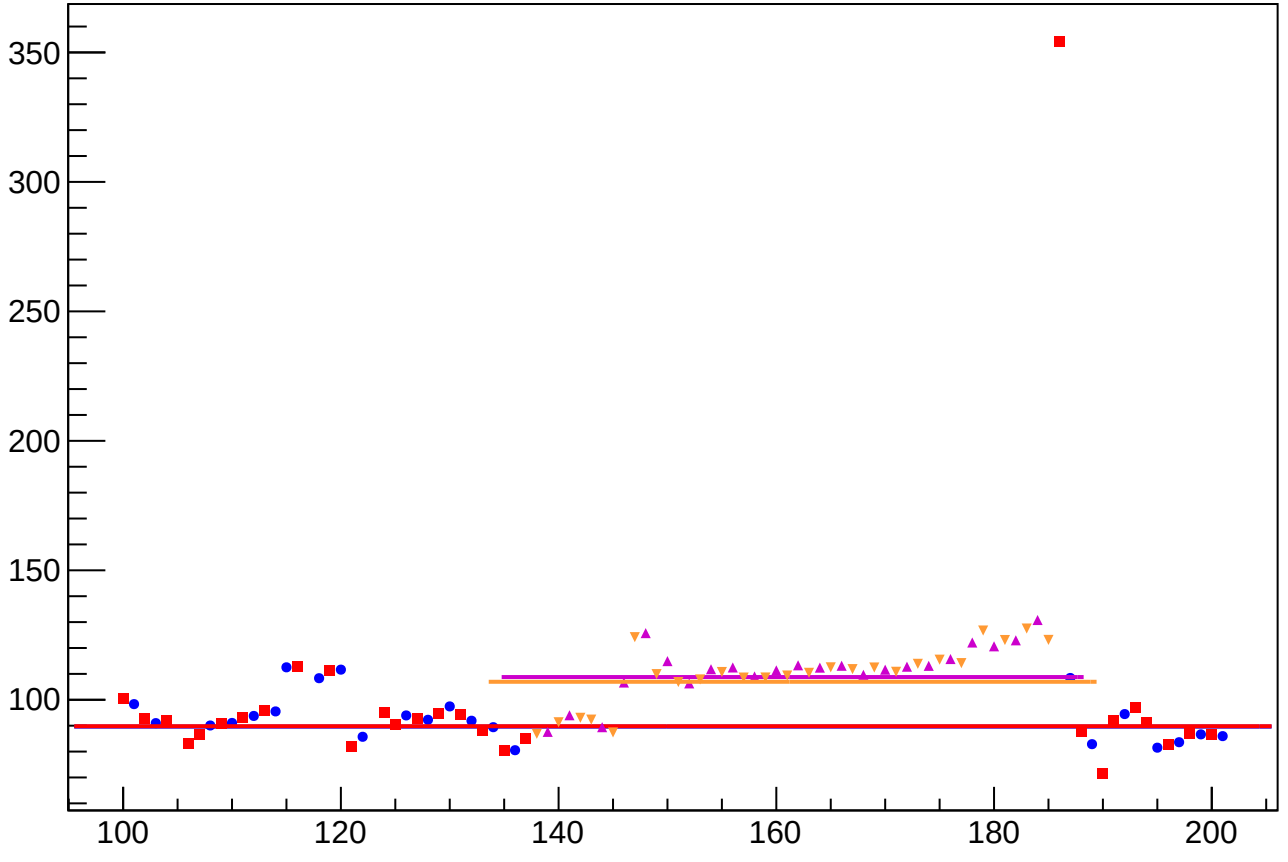
Right: -16.078+/-17.717 χ^2/NDF: 46.9/50

In: -90.660+/-18.080 χ^2/NDF:61.3/45

Out: -95.752+/-17.323 χ^2/NDF:80.9/52

All: -93.315+/-12.508 χ^2/NDF: 142.2/98

reg_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:464271.3/24

Right Out: 89.791+/-0.017 χ^2/NDF: 631668.1/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

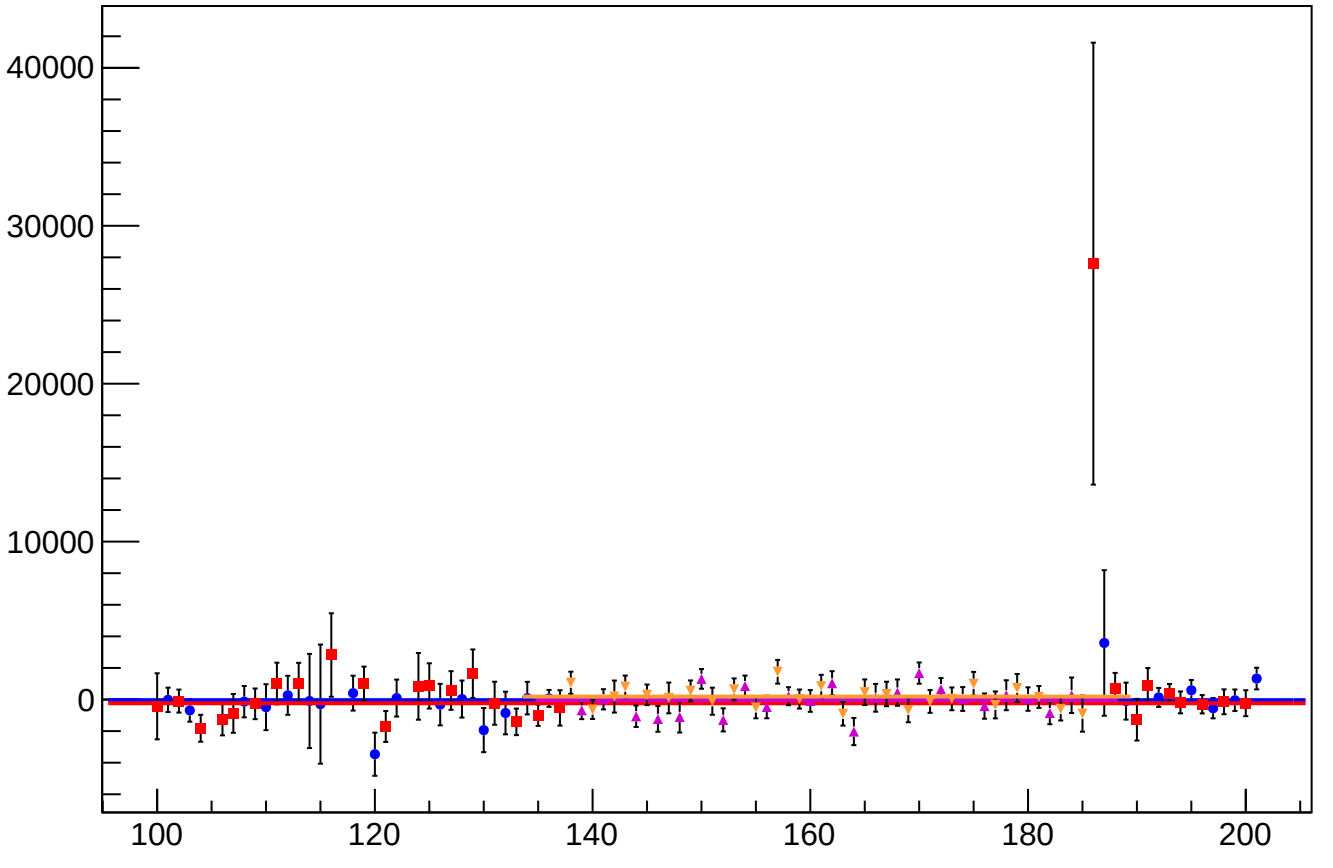
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.718+/-0.013 χ^2/NDF: 805509.0/50

In: 99.233+/-0.013 χ^2/NDF:1092686.1/45

Out: 98.405+/-0.012 χ^2/NDF:1586758.8/52

All: 98.801+/-0.009 χ^2/NDF: 2681634.2/98



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: -236.707+/-183.129 χ^2/NDF: 25.5/27

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

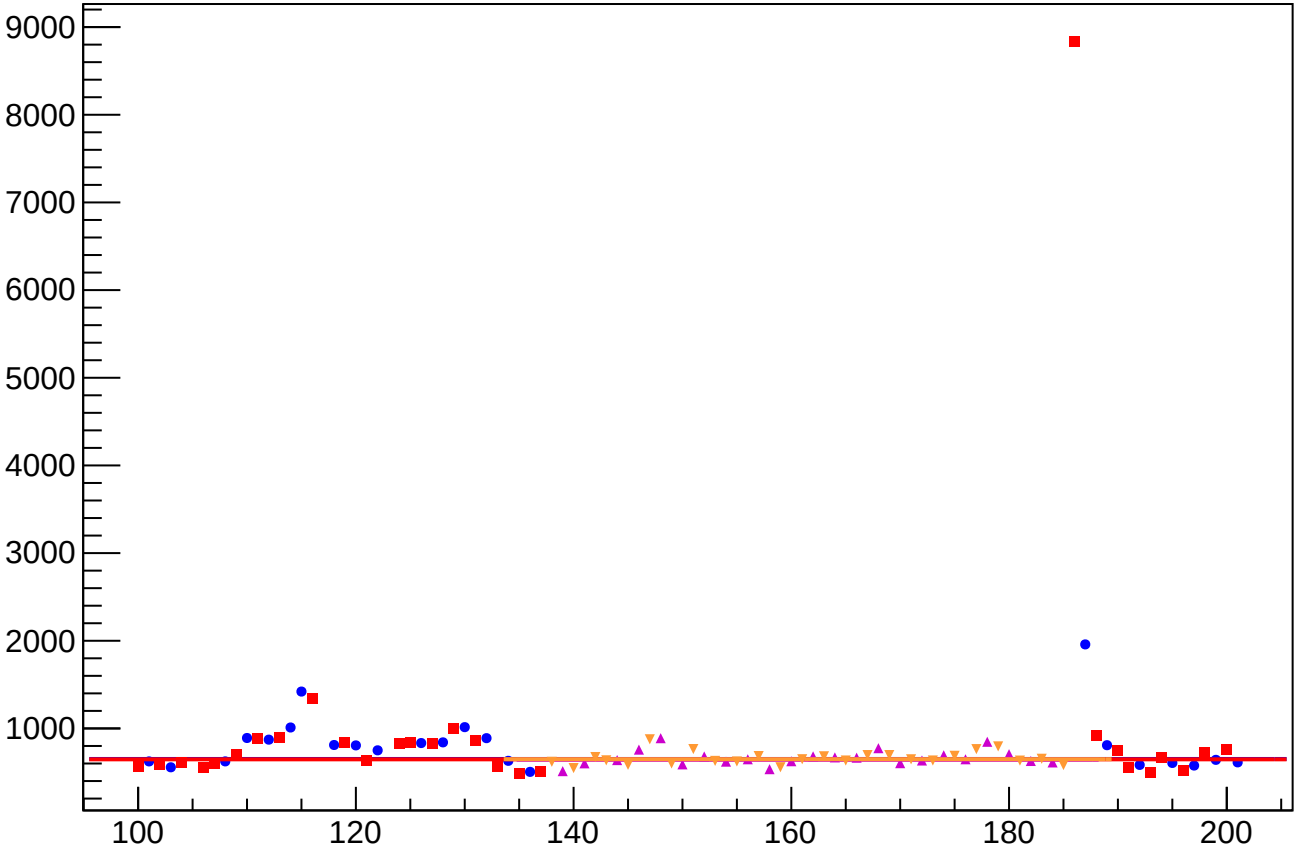
Right: -142.567+/-132.160 χ^2/NDF: 42.1/50

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: 18.150+/-115.492 χ^2/NDF:47.8/52

All: -11.081+/-82.859 χ^2/NDF: 97.6/98

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: 647.629+/-0.129 χ^2/NDF: 1950664.2/27

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

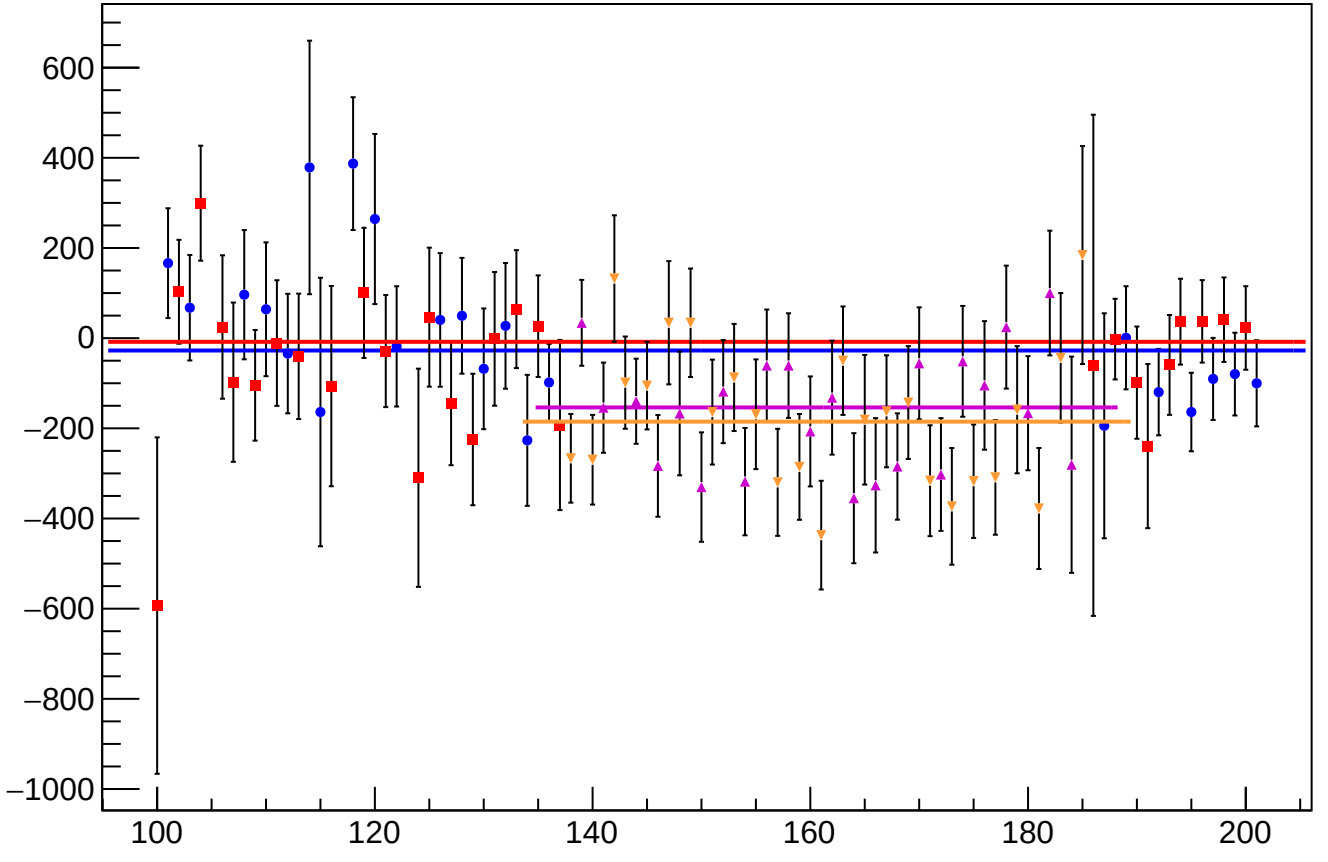
Right: 649.582+/-0.093 χ^2/NDF: 3007436.5/50

In: 647.035+/-0.084 χ^2/NDF:1617373.3/45

Out: 648.568+/-0.082 χ^2/NDF:2369116.3/52

All: 647.824+/-0.059 χ^2/NDF: 3986660.8/98

cor_asym_sam_15_dd_mean vs Slug, Sign Corrected



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: -8.105+/-24.595 χ^2/NDF: 20.4/27

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

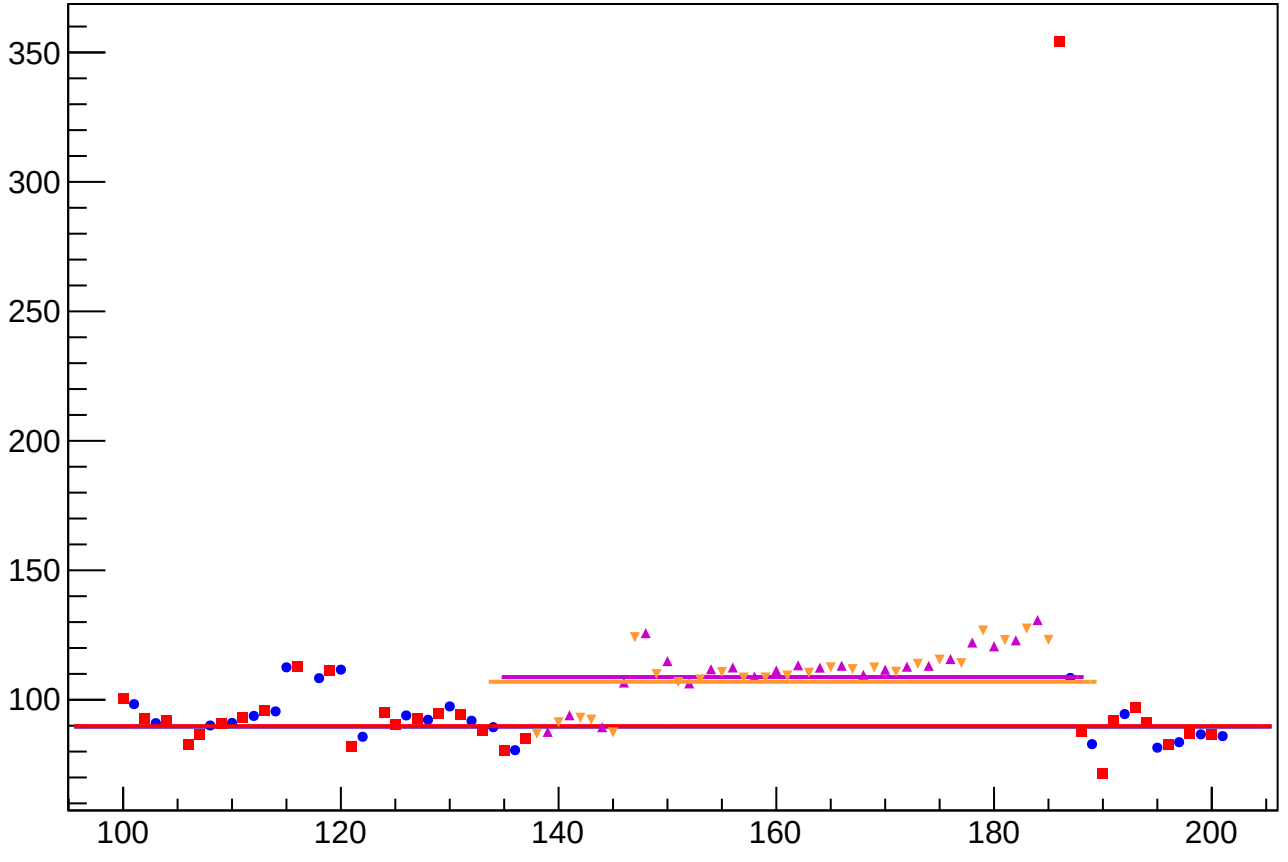
Right: -17.355+/-17.736 χ^2/NDF: 46.3/50

In: -90.659+/-18.080 χ^2/NDF:61.3/45

Out: -97.141+/-17.341 χ^2/NDF:79.5/52

All: -94.035+/-12.515 χ^2/NDF: 140.9/98

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: 89.805+/-0.017 χ^2/NDF: 631665.4/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

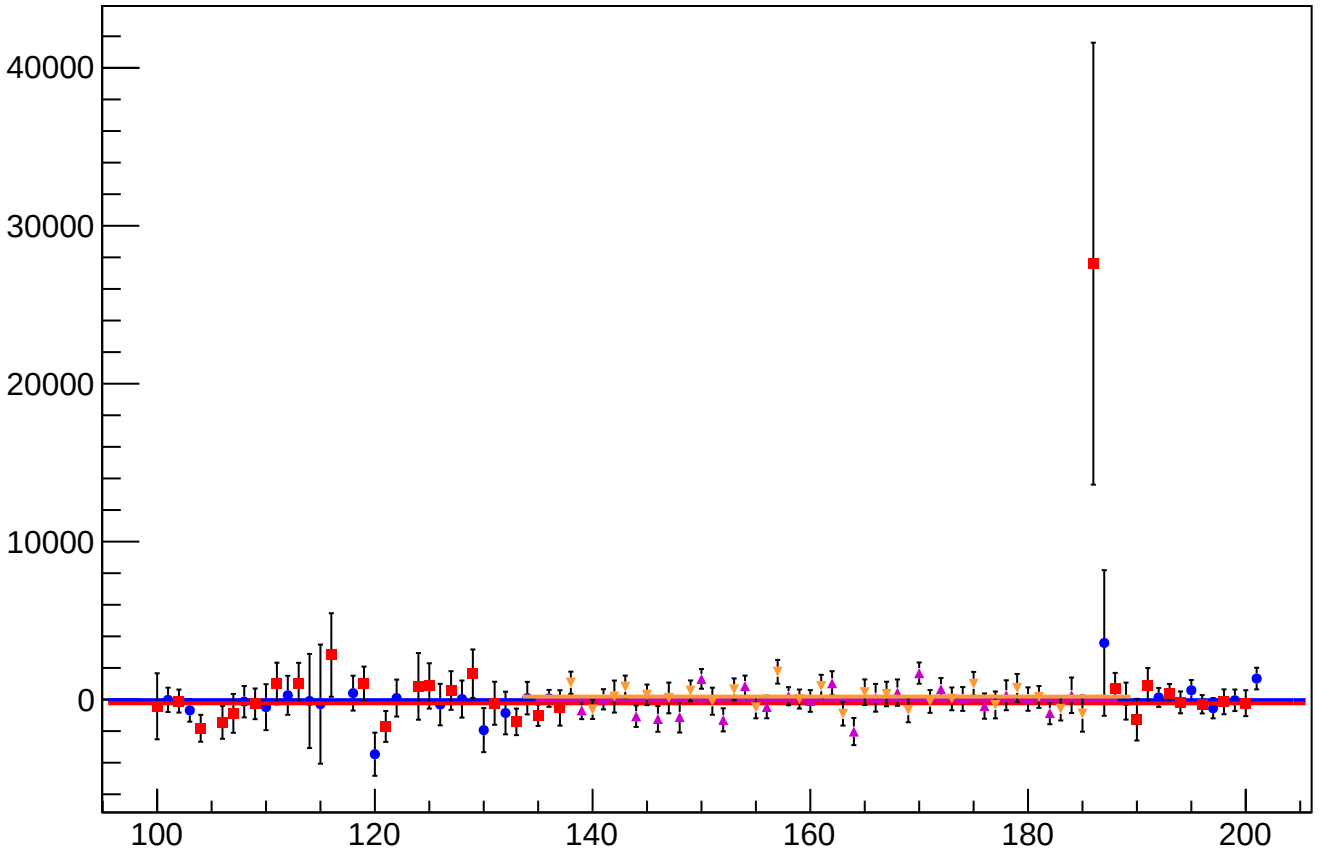
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.725+/-0.013 χ^2/NDF: 805513.5/50

In: 99.233+/-0.013 χ^2/NDF:1092686.0/45

Out: 98.429+/-0.012 χ^2/NDF:1584917.4/52

All: 98.814+/-0.009 χ^2/NDF: 2679661.2/98



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: -237.950+/-183.458 χ^2/NDF: 25.7/27

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

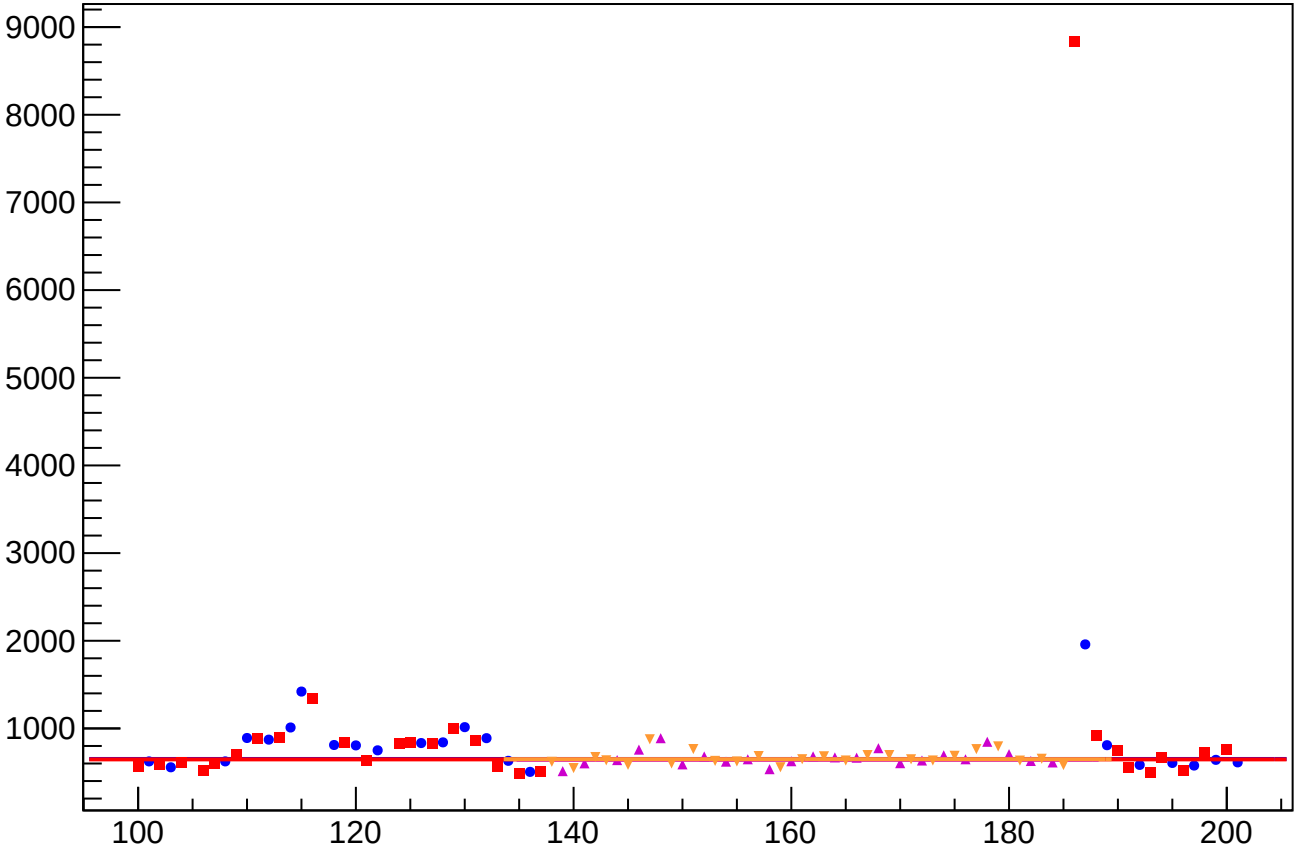
Right: -143.036+/-132.283 χ^2/NDF: 42.3/50

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: 18.016+/-115.575 χ^2/NDF:48.0/52

All: -11.171+/-82.889 χ^2/NDF: 97.9/98

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: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

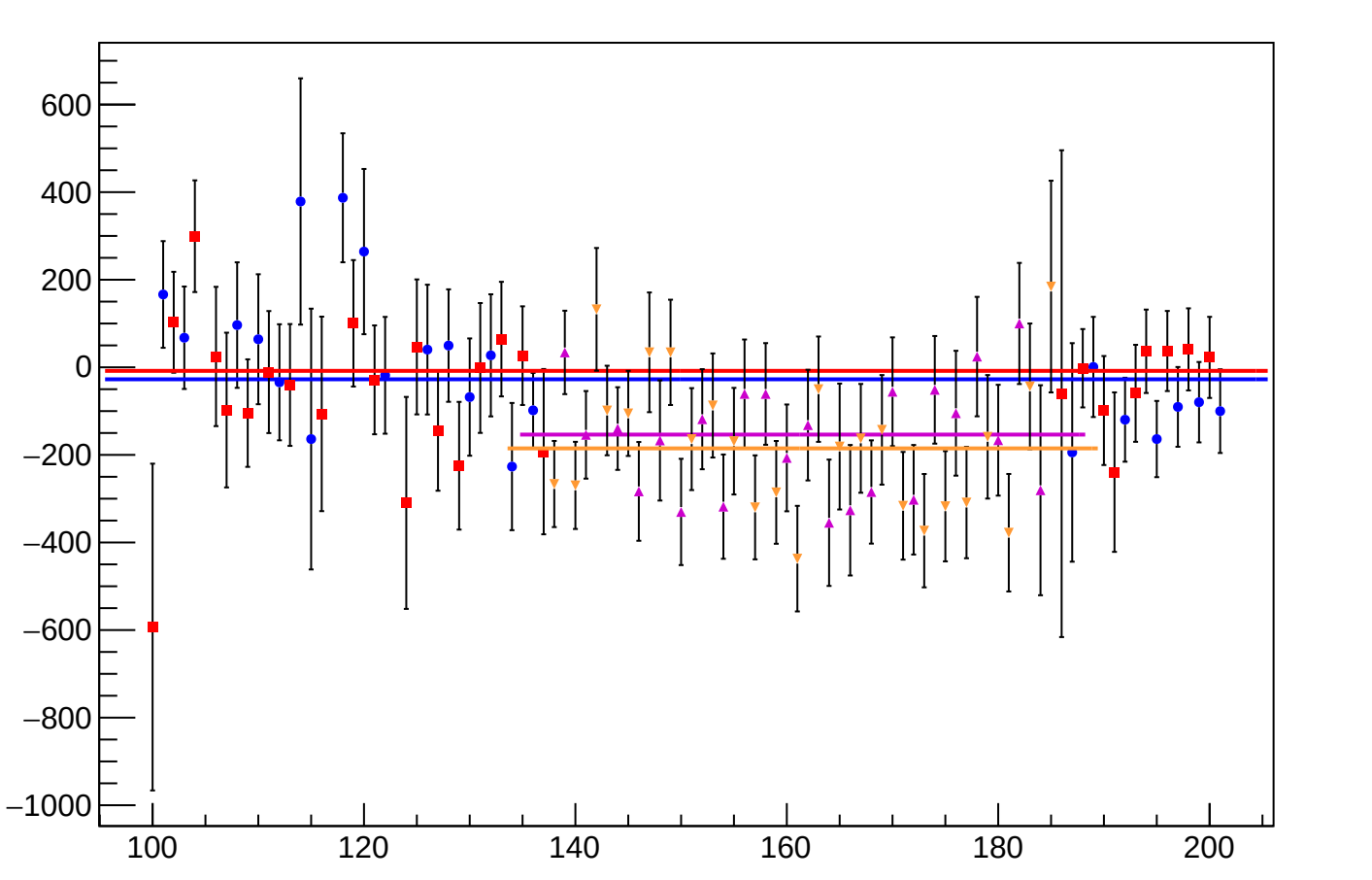
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 649.319+/-0.094 χ^2/NDF: 3016917.6/50

In: 647.035+/-0.084 χ^2/NDF:1617374.6/45

Out: 648.366+/-0.082 χ^2/NDF:2378538.6/52

All: 647.720+/-0.059 χ^2/NDF: 3996042.2/98



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: -8.105+/-24.595 χ^2/NDF: 20.4/27

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

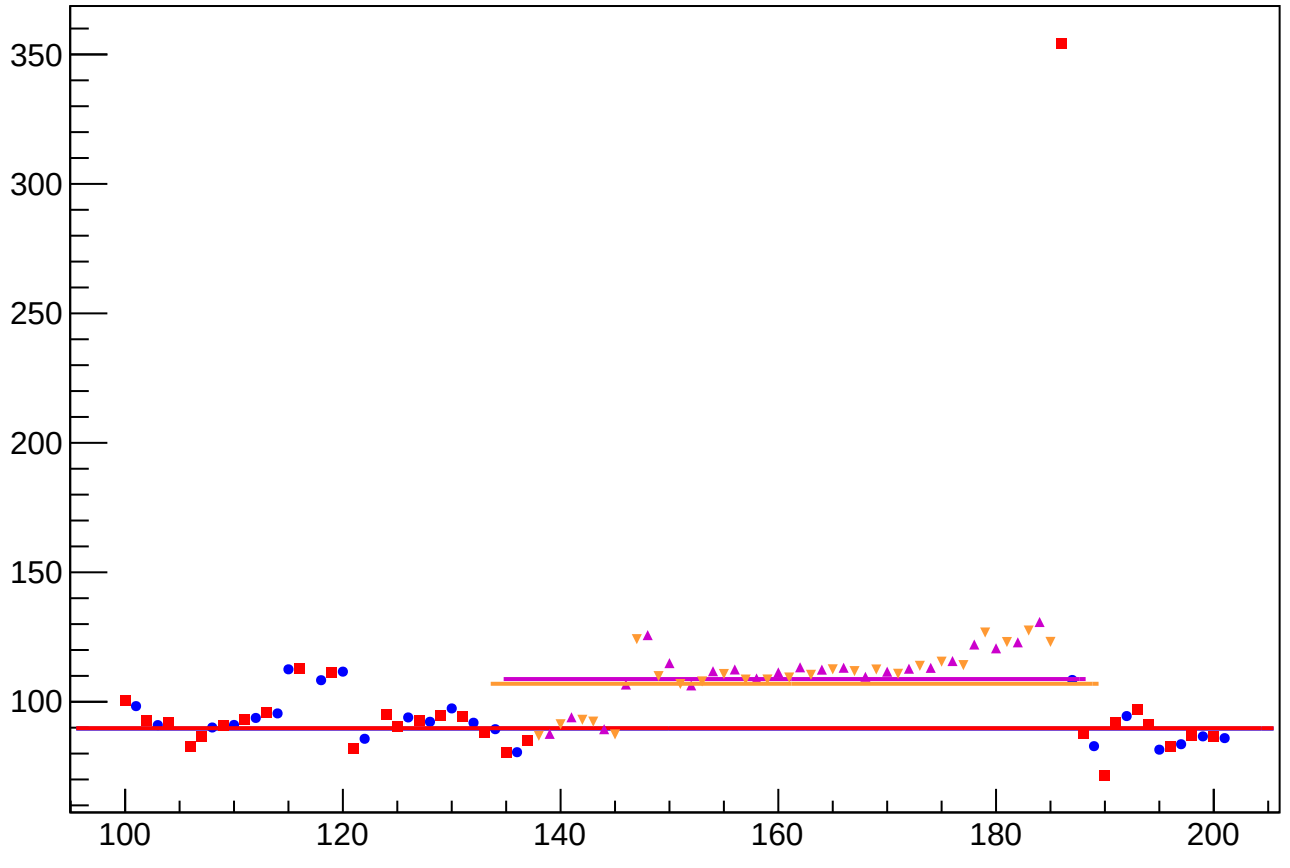
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -17.355+/-17.736 χ^2/NDF: 46.3/50

In: -90.659+/-18.080 χ^2/NDF:61.3/45

Out: -97.141+/-17.341 χ^2/NDF:79.5/52

All: -94.035+/-12.515 χ^2/NDF: 140.9/98



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: 89.805+/-0.017 χ^2/NDF: 631665.4/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

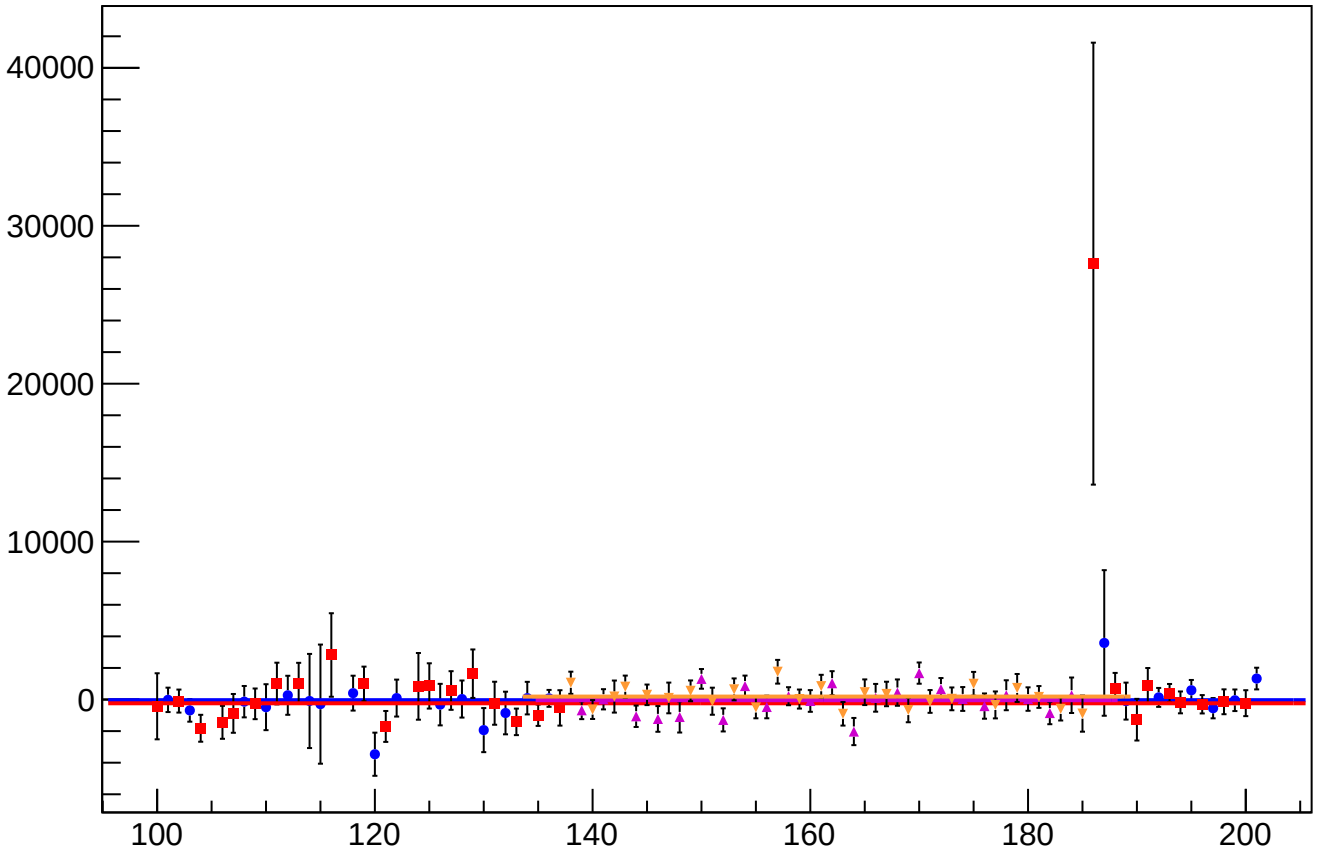
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.725+/-0.013 χ^2/NDF: 805513.5/50

In: 99.233+/-0.013 χ^2/NDF:1092686.0/45

Out: 98.429+/-0.012 χ^2/NDF:1584917.4/52

All: 98.814+/-0.009 χ^2/NDF: 2679661.2/98



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: -237.950+/-183.458 χ^2/NDF: 25.7/27

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

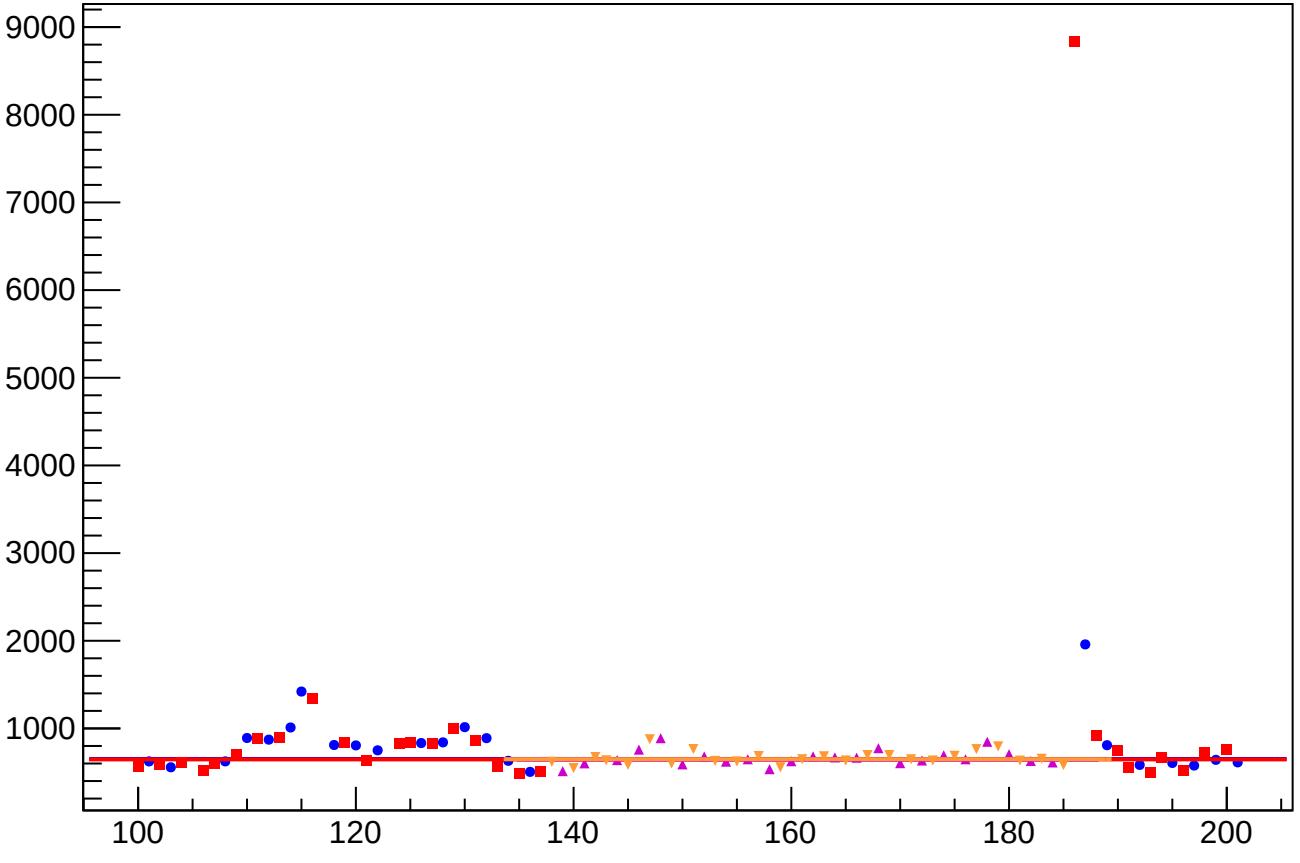
Right: -143.036+/-132.283 χ^2/NDF: 42.3/50

In: -42.084+/-118.943 χ^2/NDF:49.7/45

Out: 18.016+/-115.575 χ^2/NDF:48.0/52

All: -11.171+/-82.889 χ^2/NDF: 97.9/98

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: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

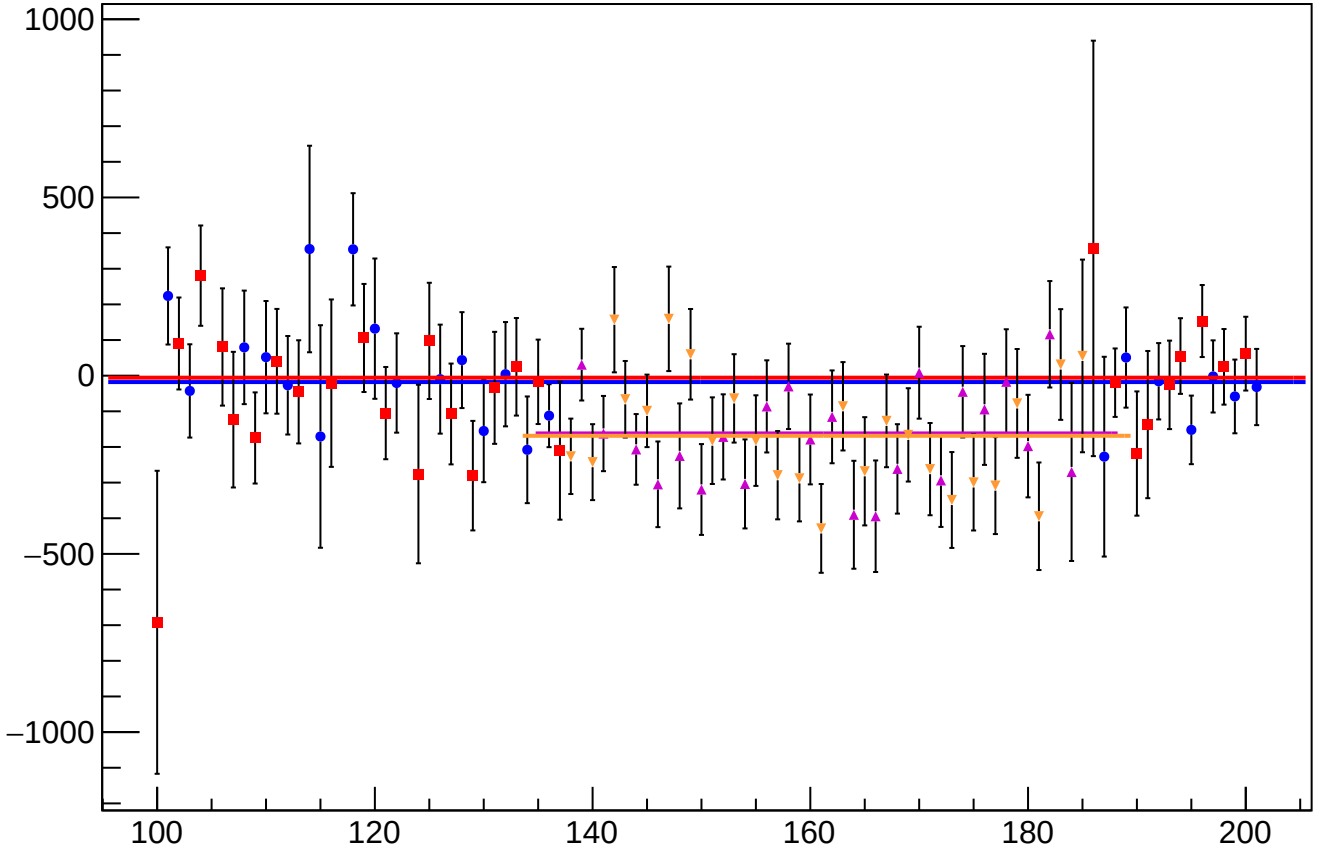
Right: 649.319+/-0.094 χ^2/NDF: 3016917.6/50

In: 647.035+/-0.084 χ^2/NDF:1617374.6/45

Out: 648.366+/-0.082 χ^2/NDF:2378538.6/52

All: 647.720+/-0.059 χ^2/NDF: 3996042.2/98

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: -5.634+/-26.758 χ^2/NDF: 23.1/27

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

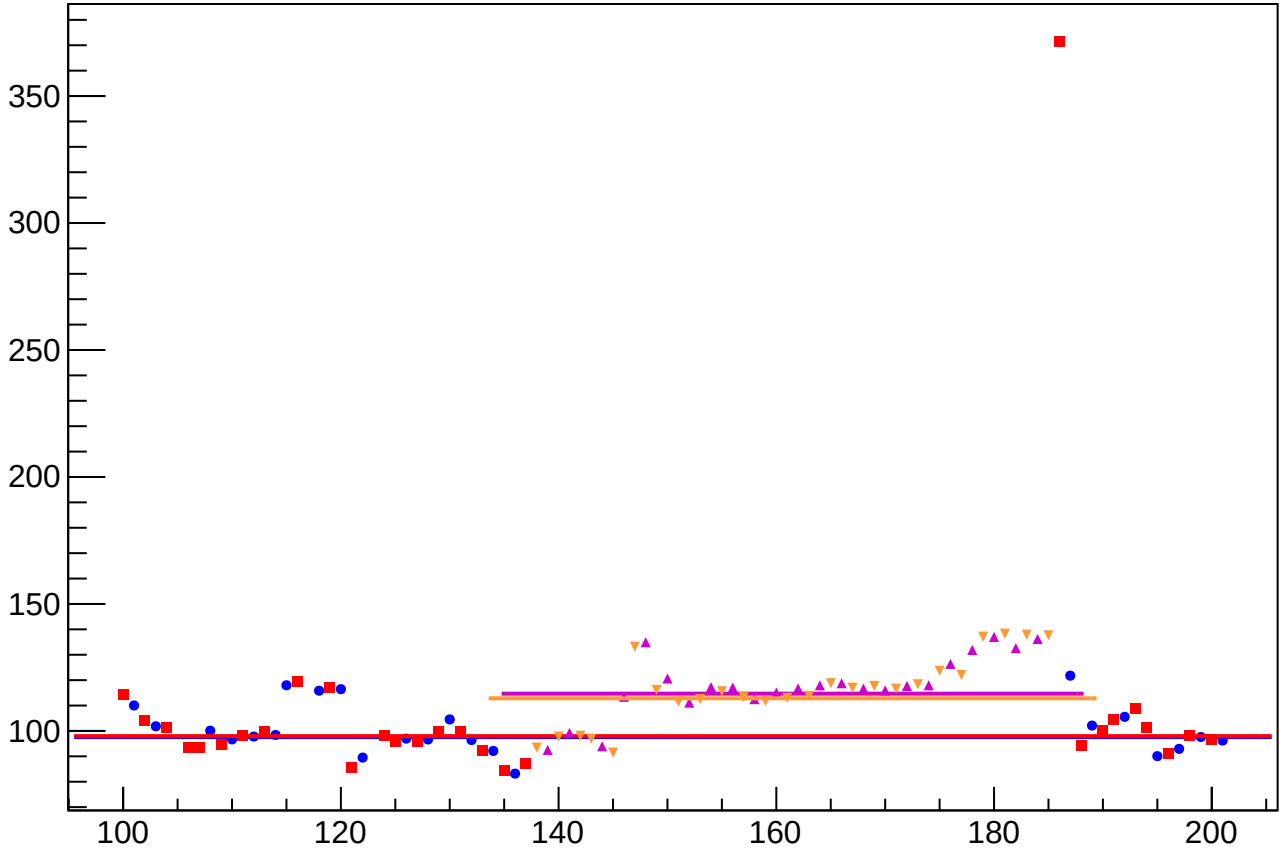
Right: -11.538+/-19.302 χ^2/NDF: 41.9/50

In: -92.412+/-19.373 χ^2/NDF:56.1/45

Out: -90.044+/-18.580 χ^2/NDF:74.7/52

All: -91.178+/-13.410 χ^2/NDF: 130.8/98

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: 97.948+/-0.019 χ^2/NDF: 588893.4/27

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

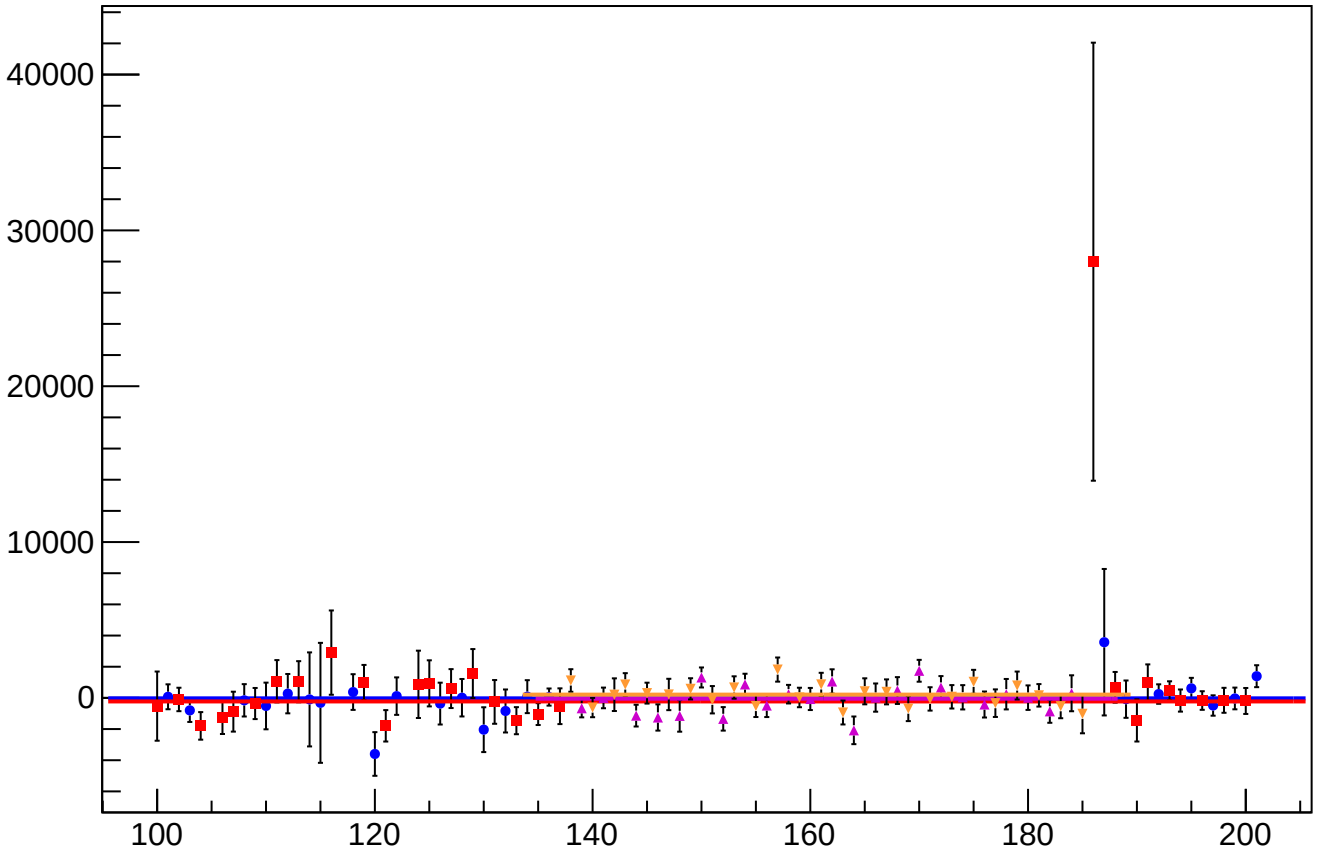
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.765+/-0.014 χ^2/NDF: 774545.8/50

In: 106.410+/-0.014 χ^2/NDF:984986.9/45

Out: 105.665+/-0.013 χ^2/NDF:1422338.1/52

All: 106.022+/-0.009 χ^2/NDF: 2408864.9/98



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: -227.734+/-188.885 χ^2/NDF: 25.4/27

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

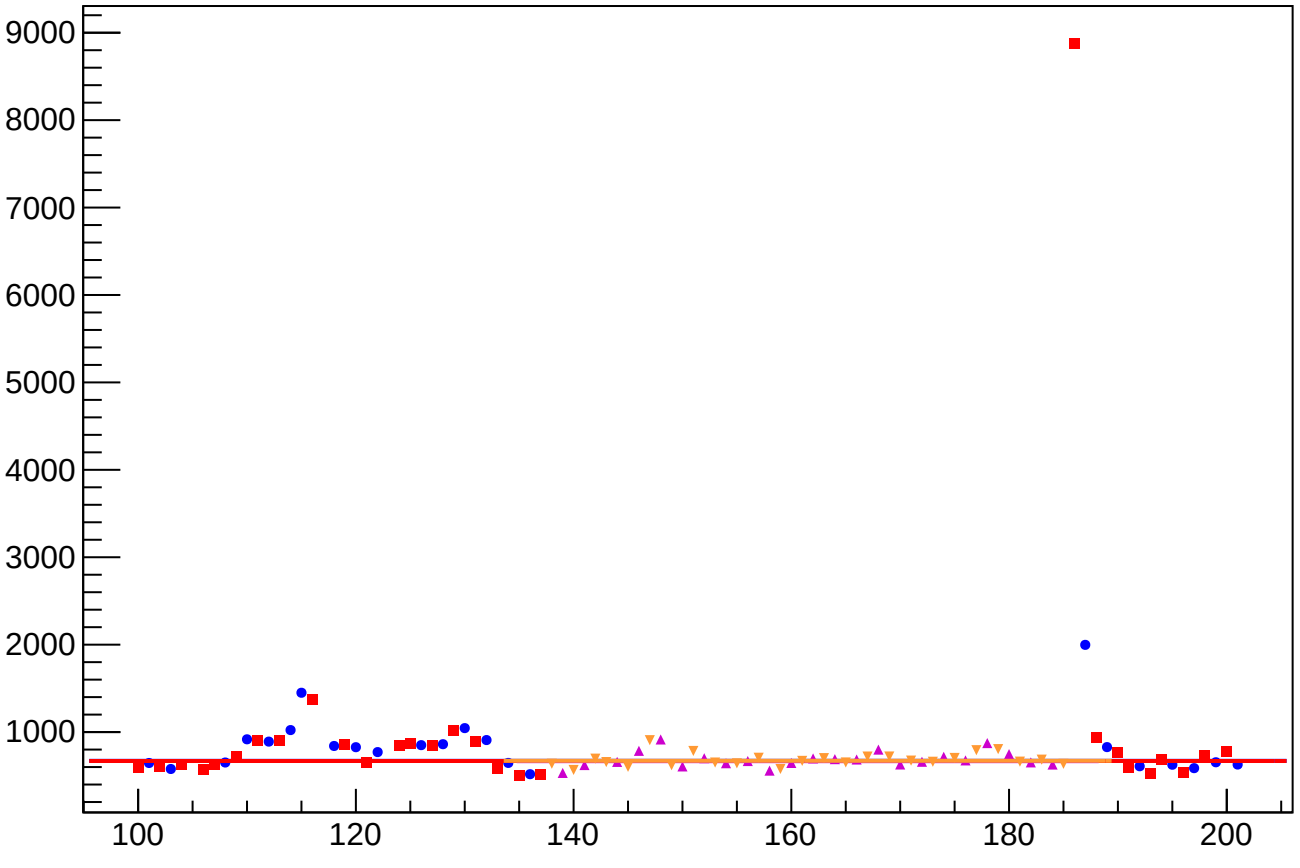
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -132.112+/-136.162 χ^2/NDF: 42.5/50

In: -41.816+/-122.879 χ^2/NDF:49.9/45

Out: 34.939+/-119.323 χ^2/NDF:47.5/52

All: -2.311+/-85.603 χ^2/NDF: 97.6/98



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: 669.230+/-0.134 χ^2/NDF: 1879129.2/27

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

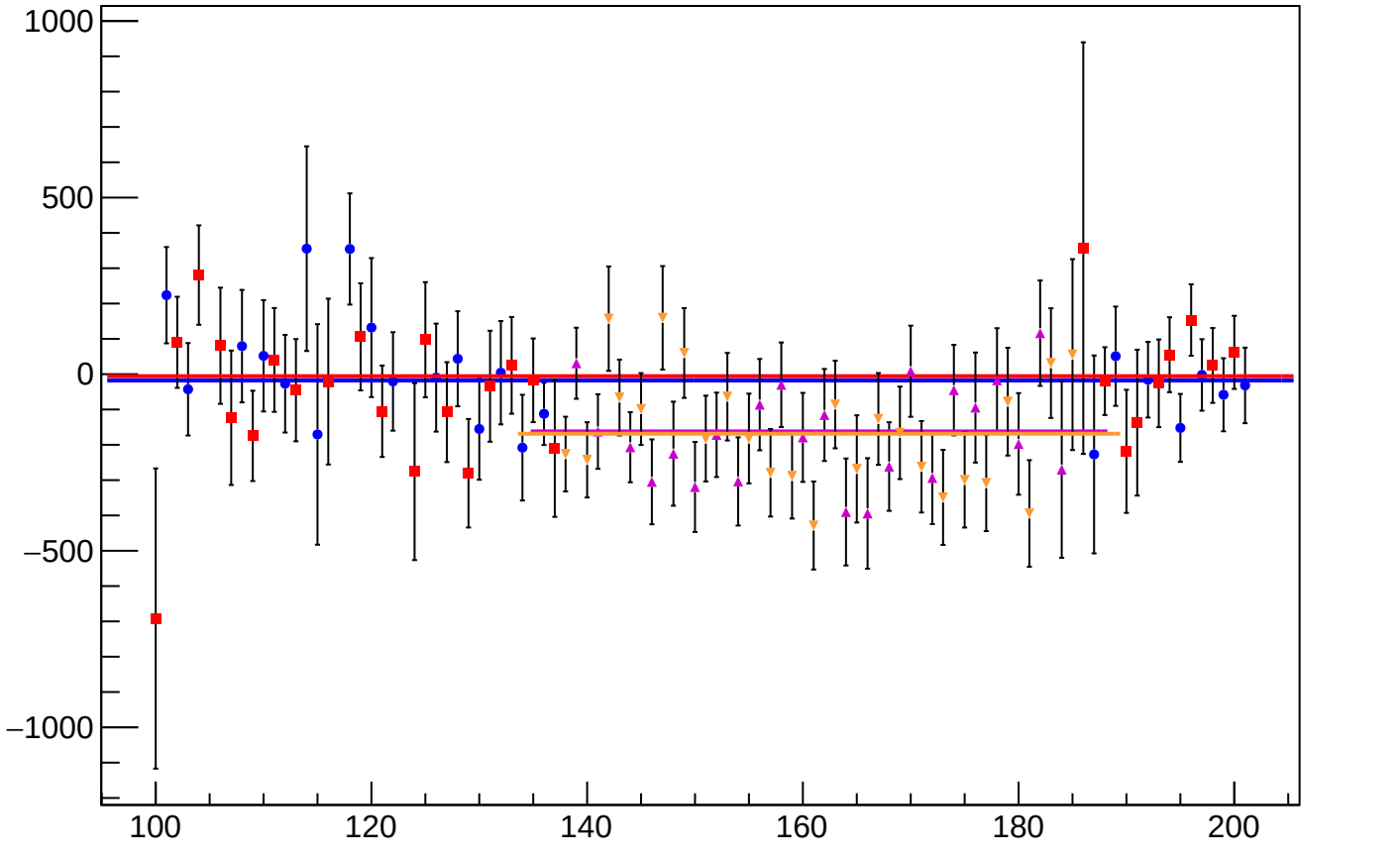
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 670.159+/-0.096 χ^2/NDF: 2919354.3/50

In: 668.837+/-0.087 χ^2/NDF:1587489.1/45

Out: 670.804+/-0.084 χ^2/NDF:2278520.0/52

All: 669.849+/-0.061 χ^2/NDF: 3866272.9/98



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: -5.635+/-26.758 χ^2/NDF: 23.1/27

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

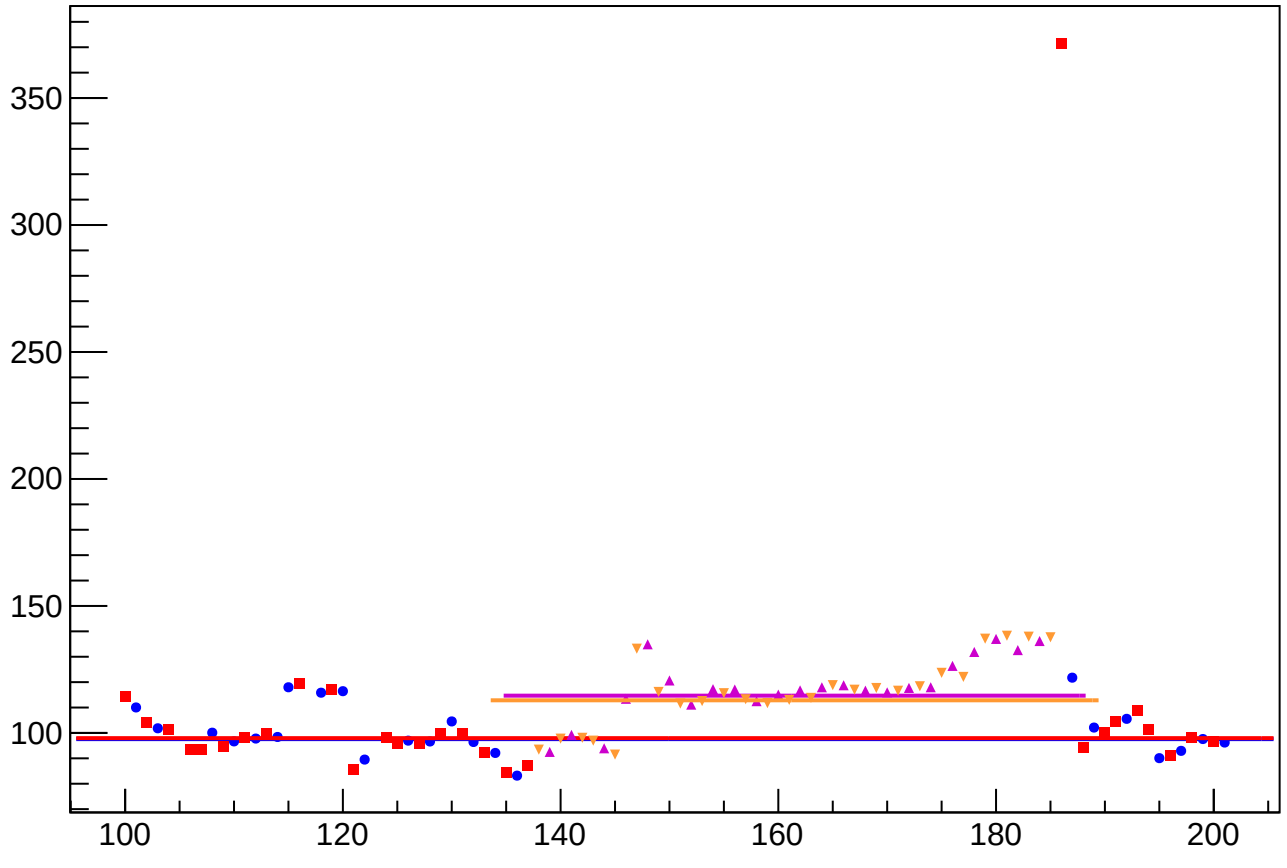
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -11.538+/-19.302 χ^2/NDF: 41.9/50

In: -92.411+/-19.373 χ^2/NDF:56.1/45

Out: -90.044+/-18.580 χ^2/NDF:74.7/52

All: -91.178+/-13.410 χ^2/NDF: 130.8/98



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: 97.948+/-0.019 χ^2/NDF: 588892.1/27

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

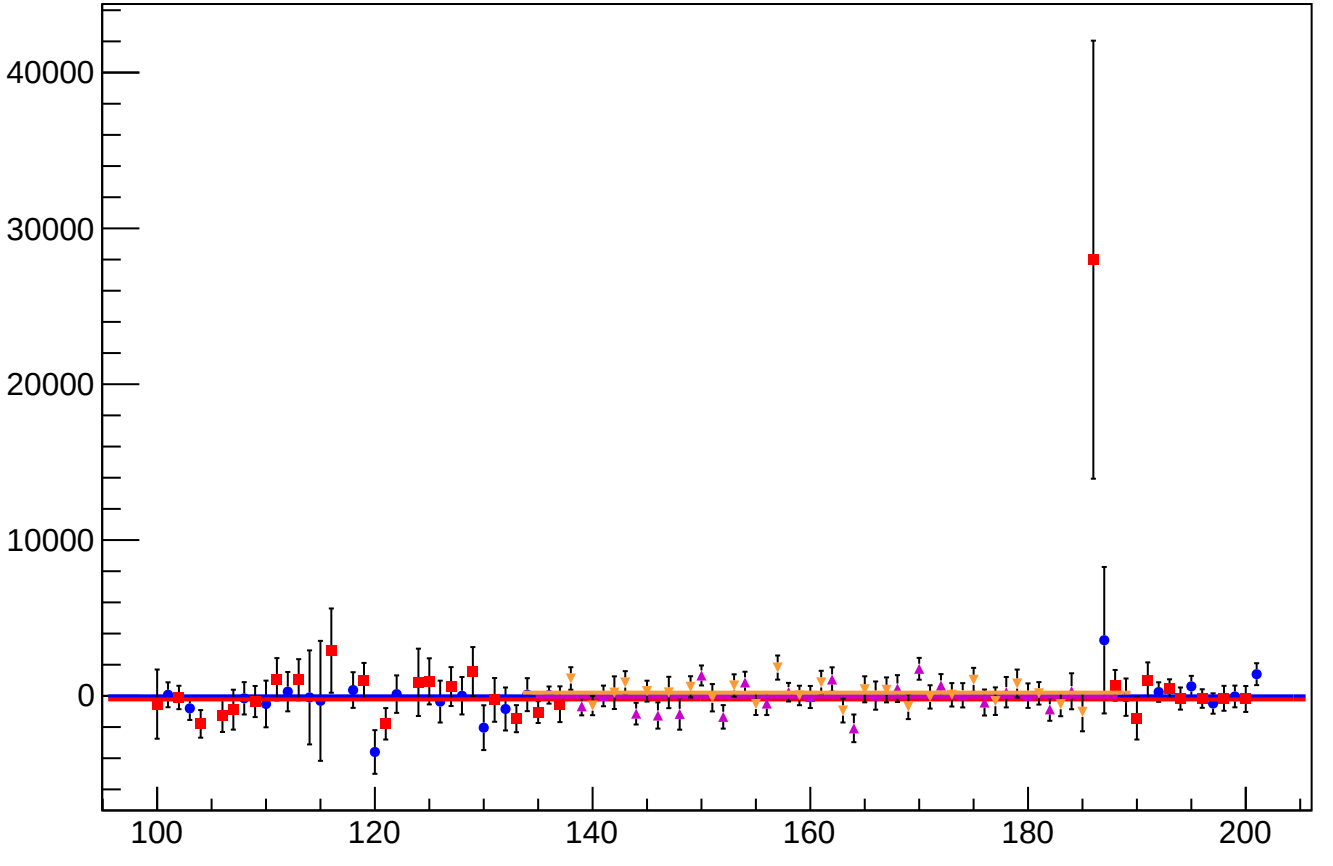
Right: 97.765+/-0.014 χ^2/NDF: 774547.8/50

In: 106.410+/-0.014 χ^2/NDF:984997.7/45

Out: 105.665+/-0.013 χ^2/NDF:1422336.9/52

All: 106.022+/-0.009 χ^2/NDF: 2408874.7/98

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -227.734+/-188.885 χ^2/NDF: 25.4/27

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

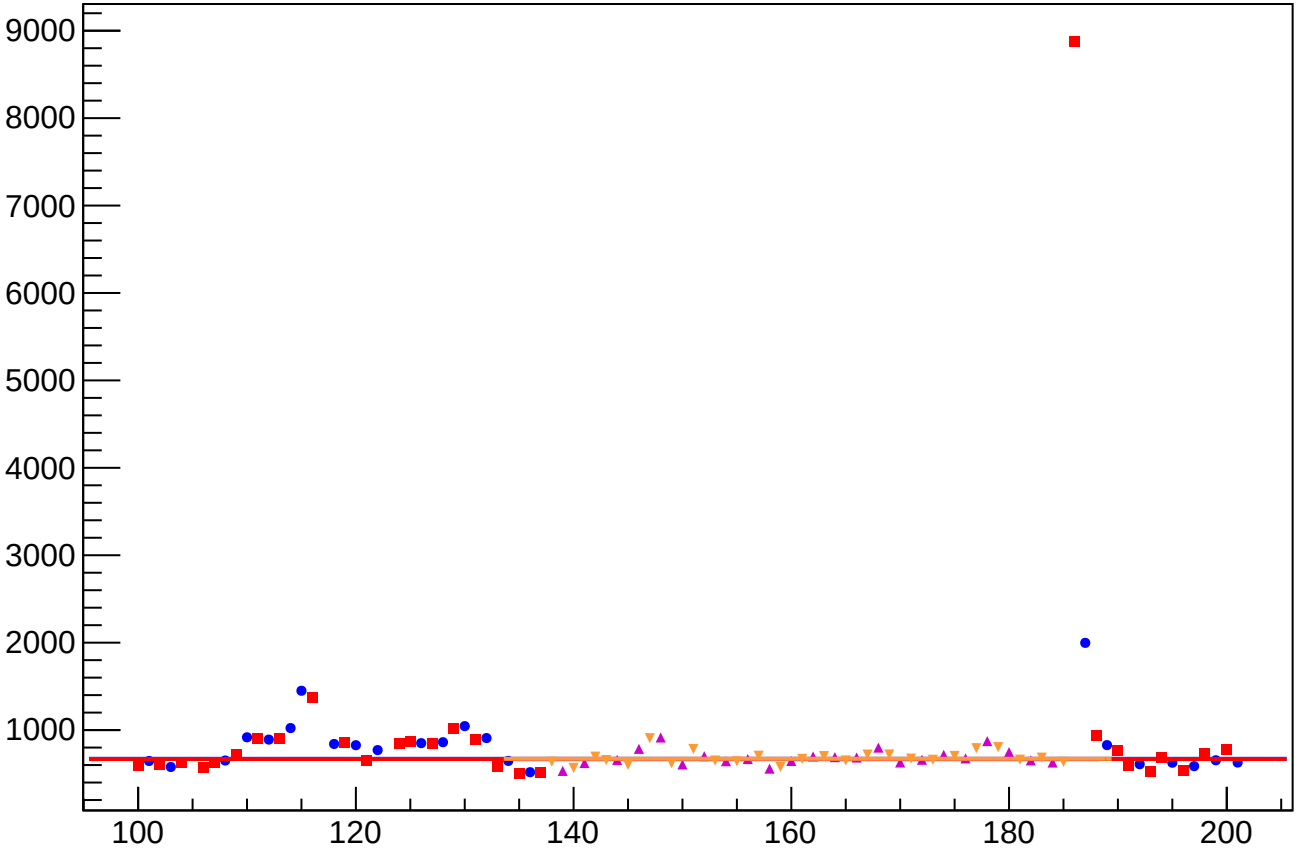
Right: -132.112+/-136.162 χ^2/NDF: 42.5/50

In: -41.816+/-122.879 χ^2/NDF:49.9/45

Out: 34.939+/-119.323 χ^2/NDF:47.5/52

All: -2.312+/-85.603 χ^2/NDF: 97.6/98

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: 669.230+/-0.134 χ^2/NDF: 1879134.7/27

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

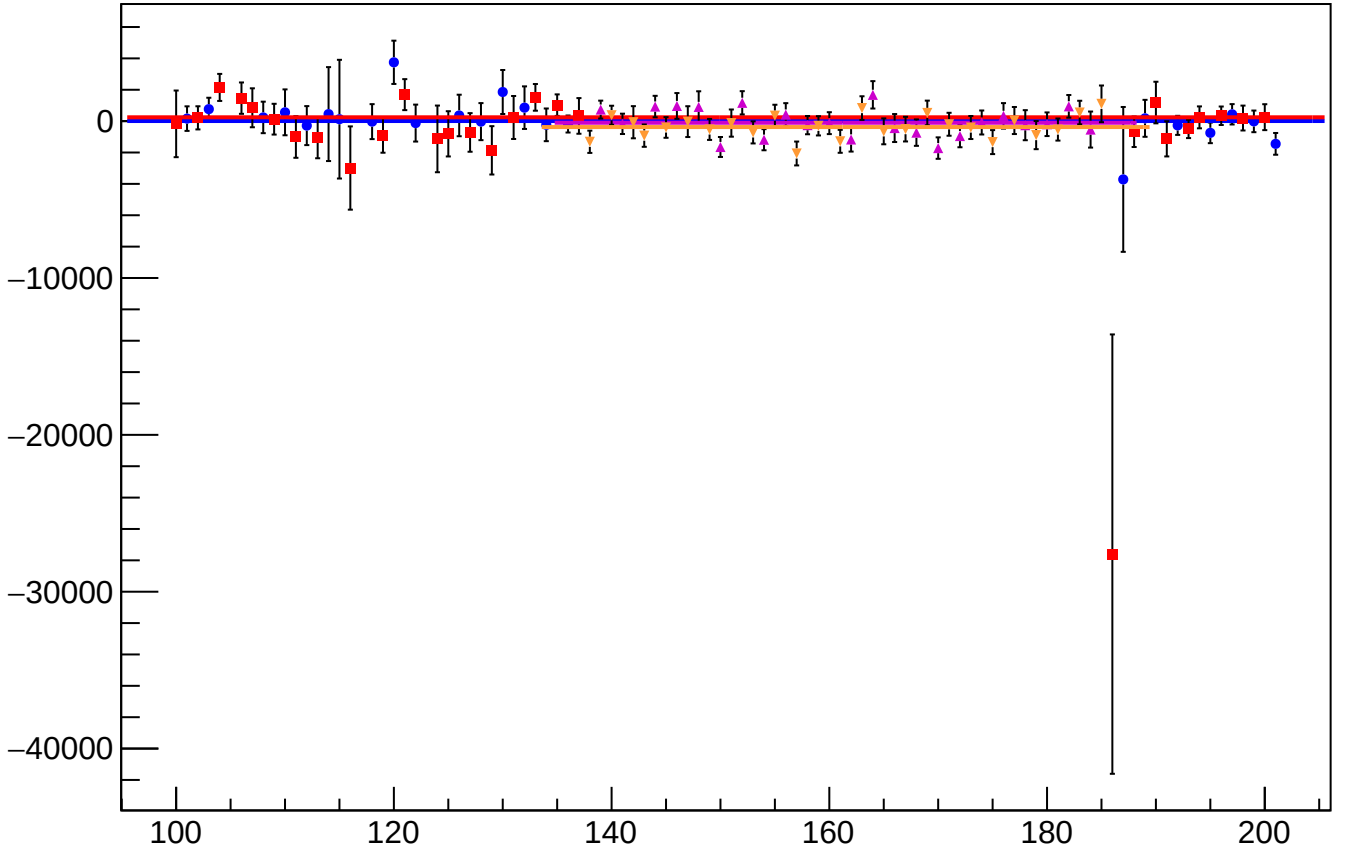
Right: 670.159+/-0.096 χ^2/NDF: 2919361.3/50

In: 668.837+/-0.087 χ^2/NDF:1587492.4/45

Out: 670.804+/-0.084 χ^2/NDF:2278526.1/52

All: 669.849+/-0.061 χ^2/NDF: 3866282.2/98

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: 244.301+/-185.156 χ^2/NDF: 28.7/27

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

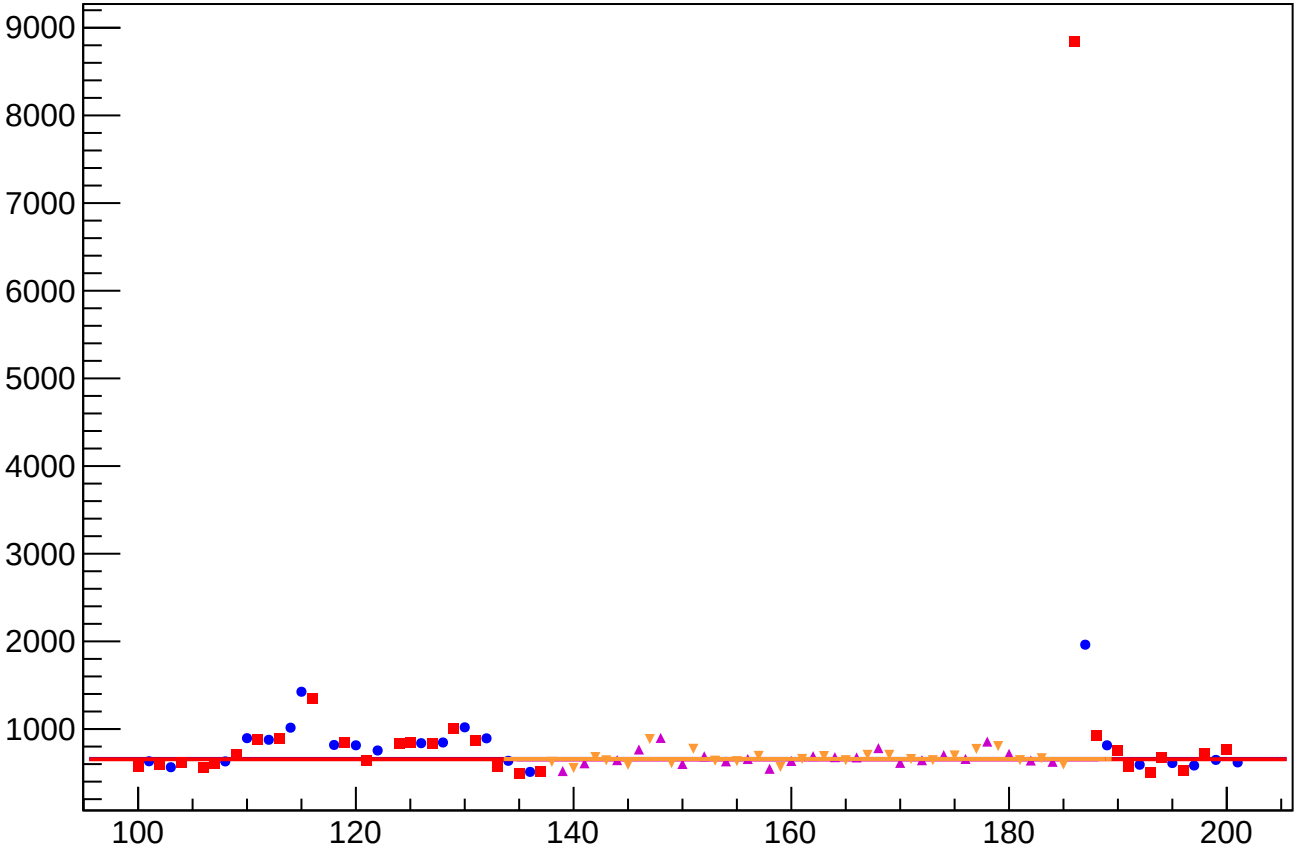
Right: 130.452+/-133.580 χ^2/NDF: 47.7/50

In: -60.314+/-120.512 χ^2/NDF:53.9/45

Out: -129.061+/-116.997 χ^2/NDF:56.9/52

All: -95.705+/-83.945 χ^2/NDF: 111.0/98

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: 655.472+/-0.131 χ^2/NDF: 1911079.2/27

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

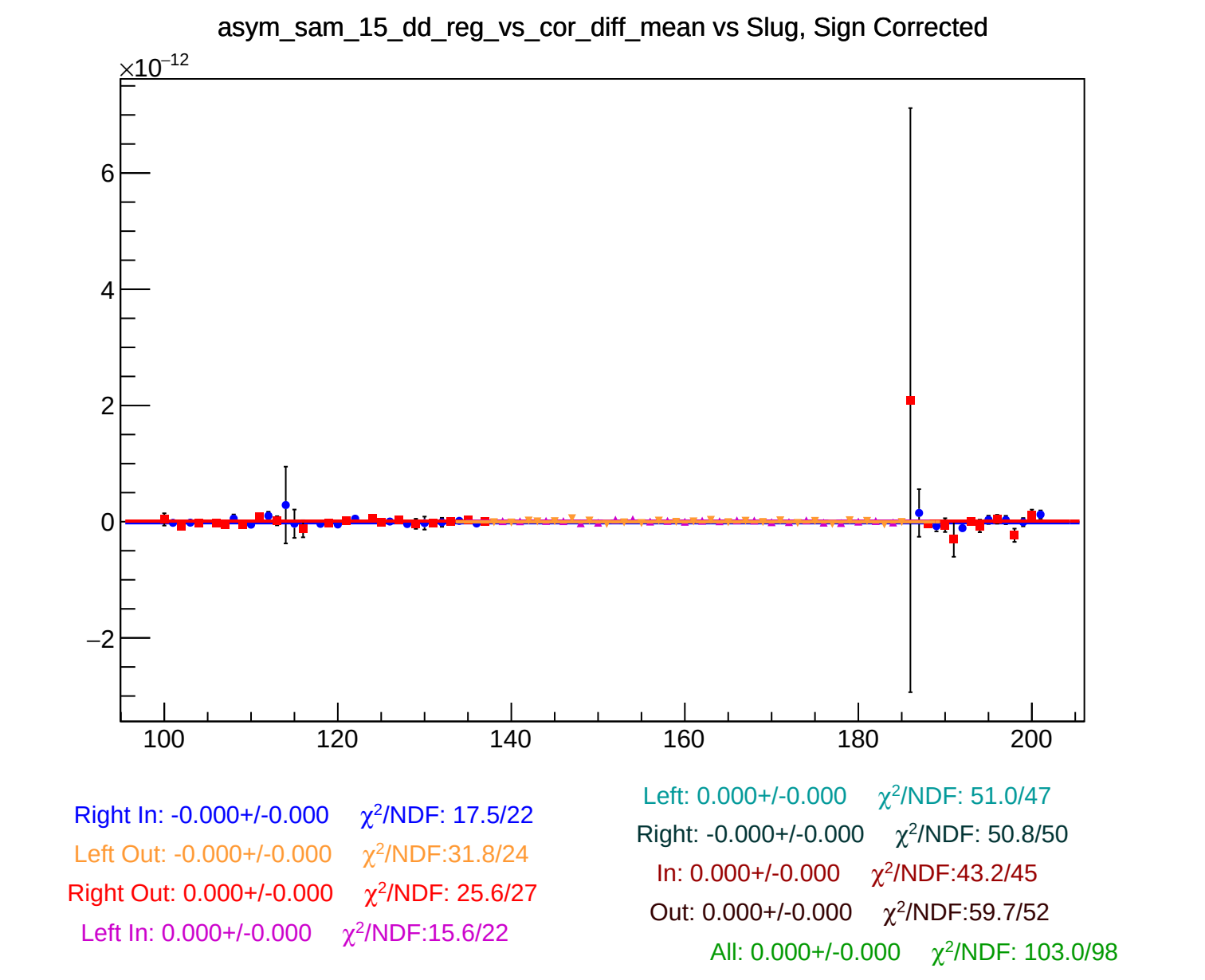
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

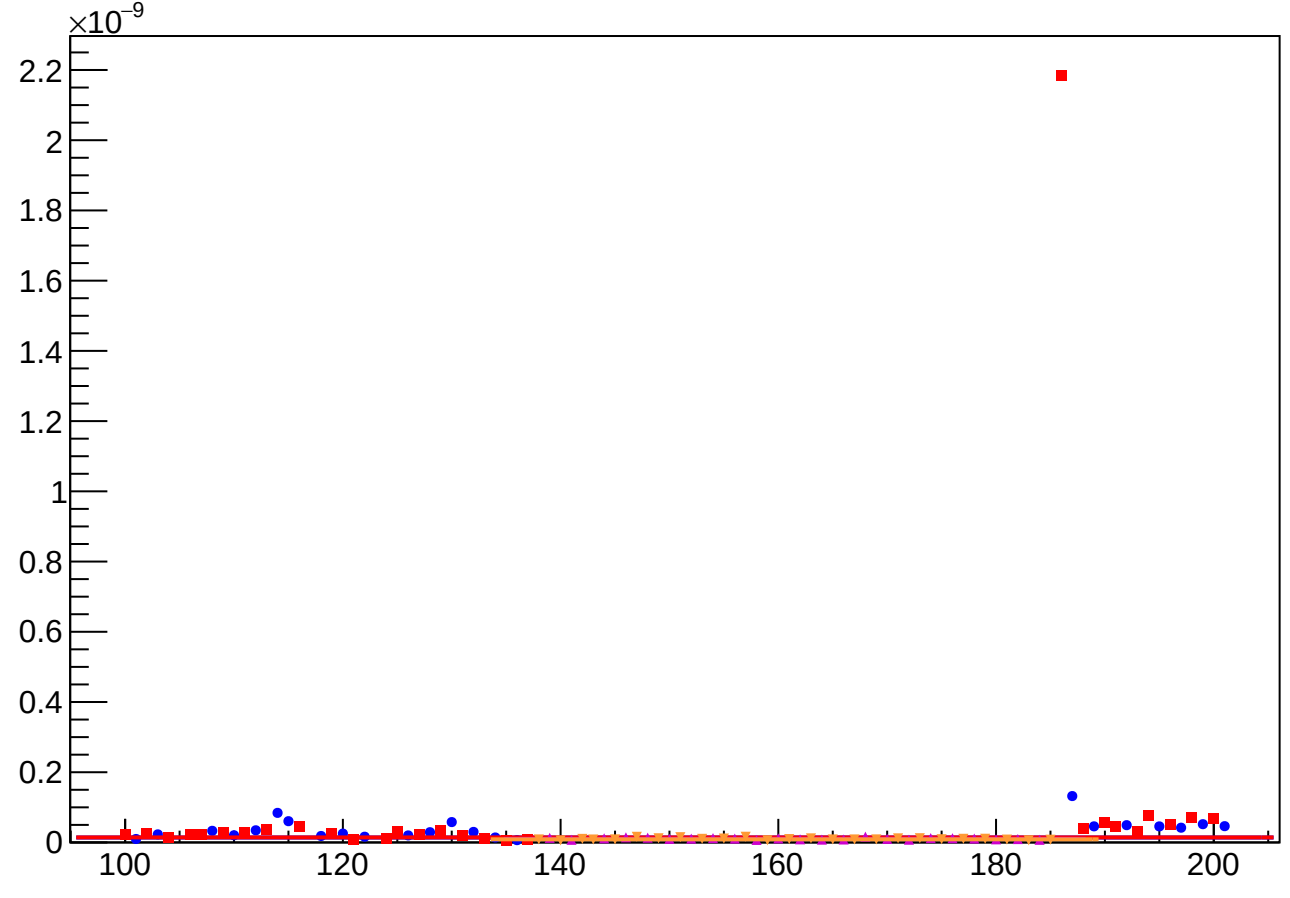
Right: 657.133+/-0.094 χ^2/NDF: 2944829.8/50

In: 655.896+/-0.085 χ^2/NDF:1576307.7/45

Out: 657.395+/-0.083 χ^2/NDF:2321122.4/52

All: 656.667+/-0.059 χ^2/NDF: 3897589.4/98


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: 25.6/27
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: 50.8/50
In: 0.000+/-0.000 χ²/NDF:43.2/45
Out: 0.000+/-0.000 χ²/NDF:59.7/52
All: 0.000+/-0.000 χ²/NDF: 103.0/98



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: 5851848.0/27

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

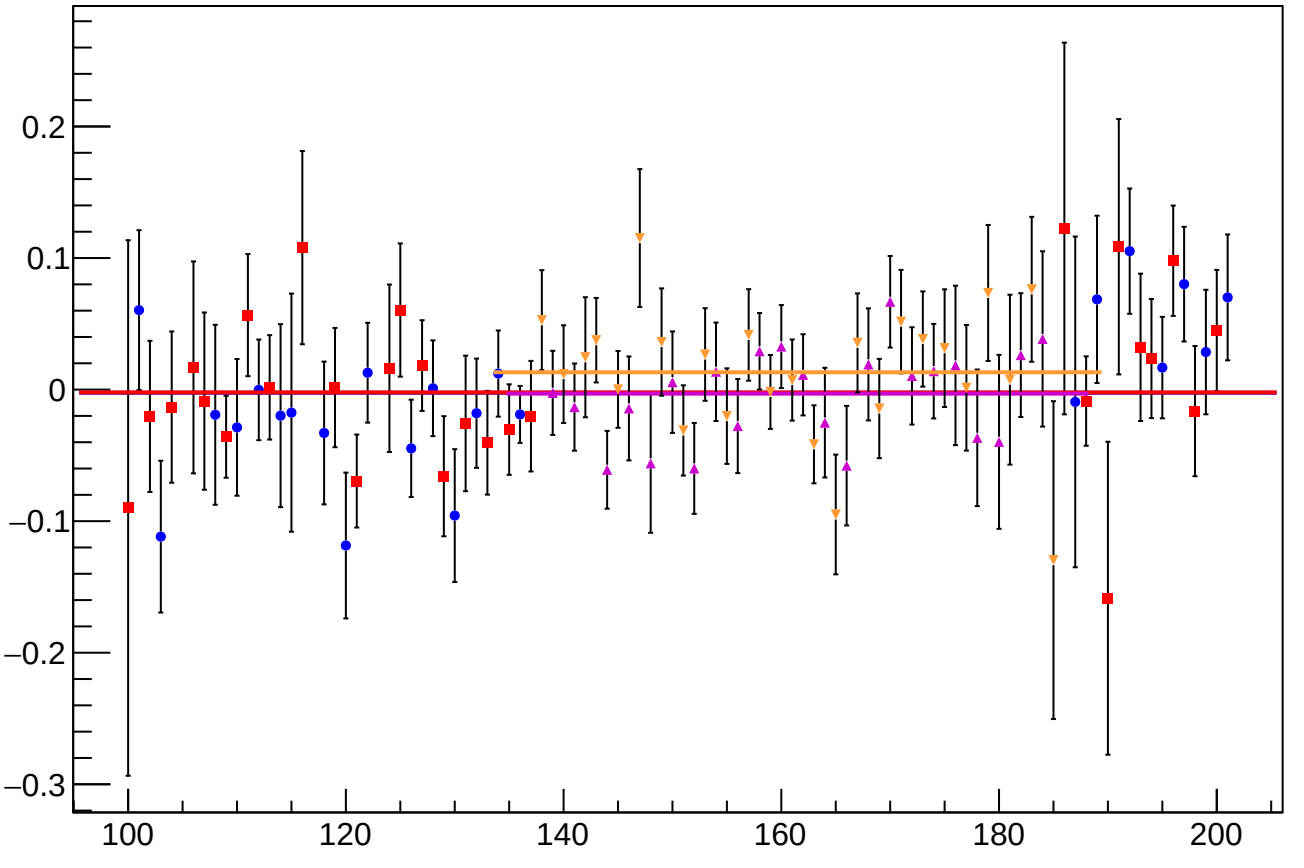
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10806721.7/50

In: 0.000+/-0.000 χ^2/NDF:6024475.9/45

Out: 0.000+/-0.000 χ^2/NDF:7724819.1/52

All: 0.000+/-0.000 χ^2/NDF: 13865928.5/98



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: -0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

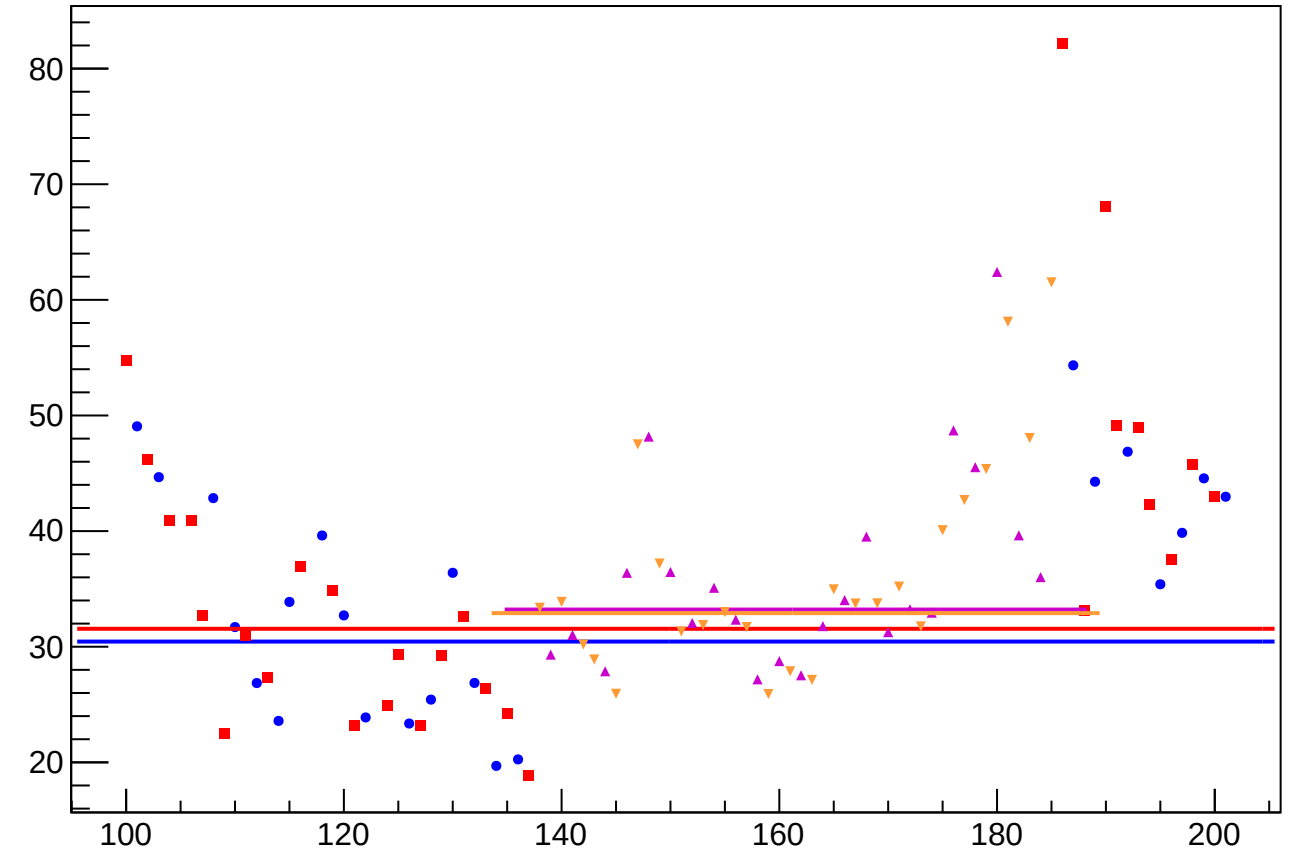
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.002+/-0.006 χ^2/NDF: 54.9/50

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 102.4/98



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: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

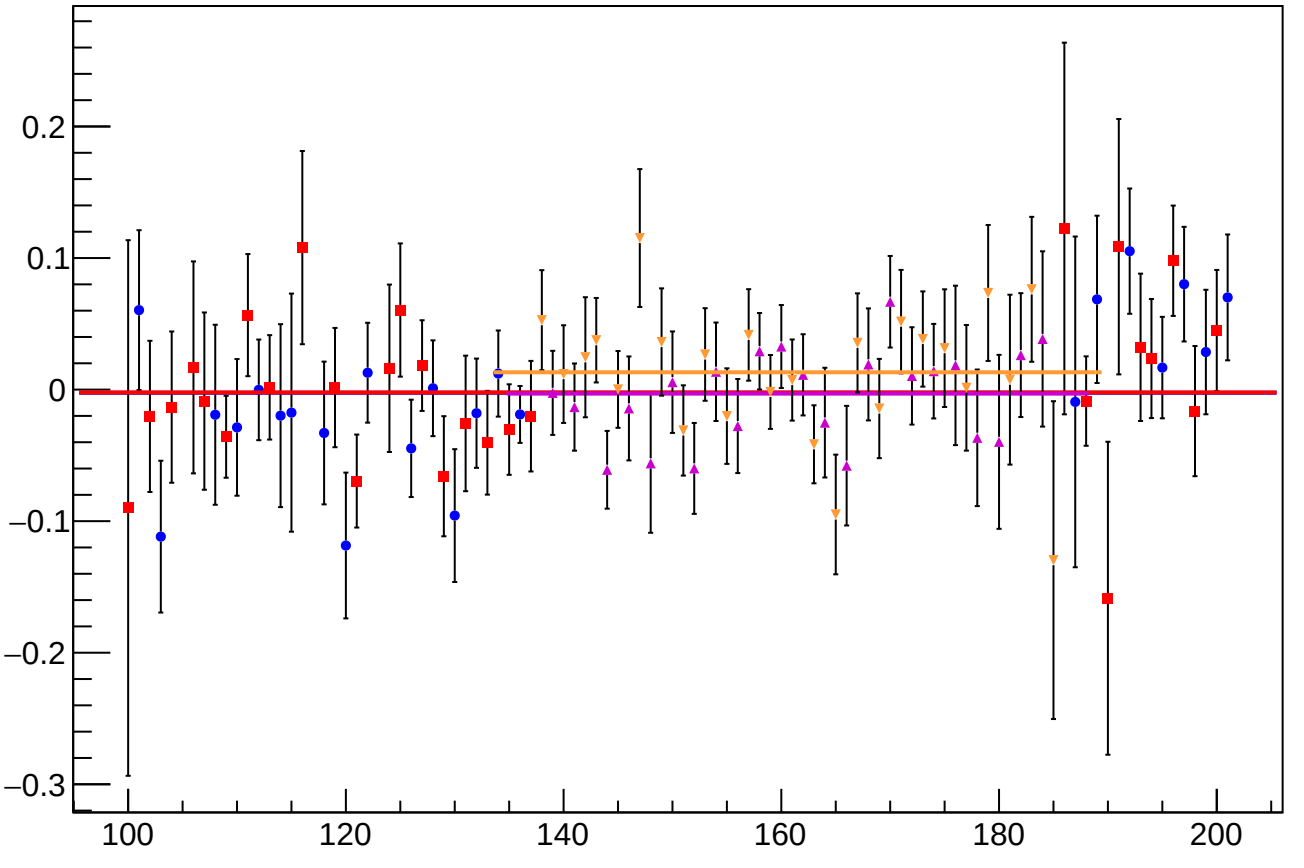
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.010+/-0.005 χ^2/NDF: 4376930.6/50

In: 32.026+/-0.004 χ^2/NDF:3521585.9/45

Out: 32.337+/-0.004 χ^2/NDF:3620163.2/52

All: 32.186+/-0.003 χ^2/NDF: 7144498.8/98



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: -0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

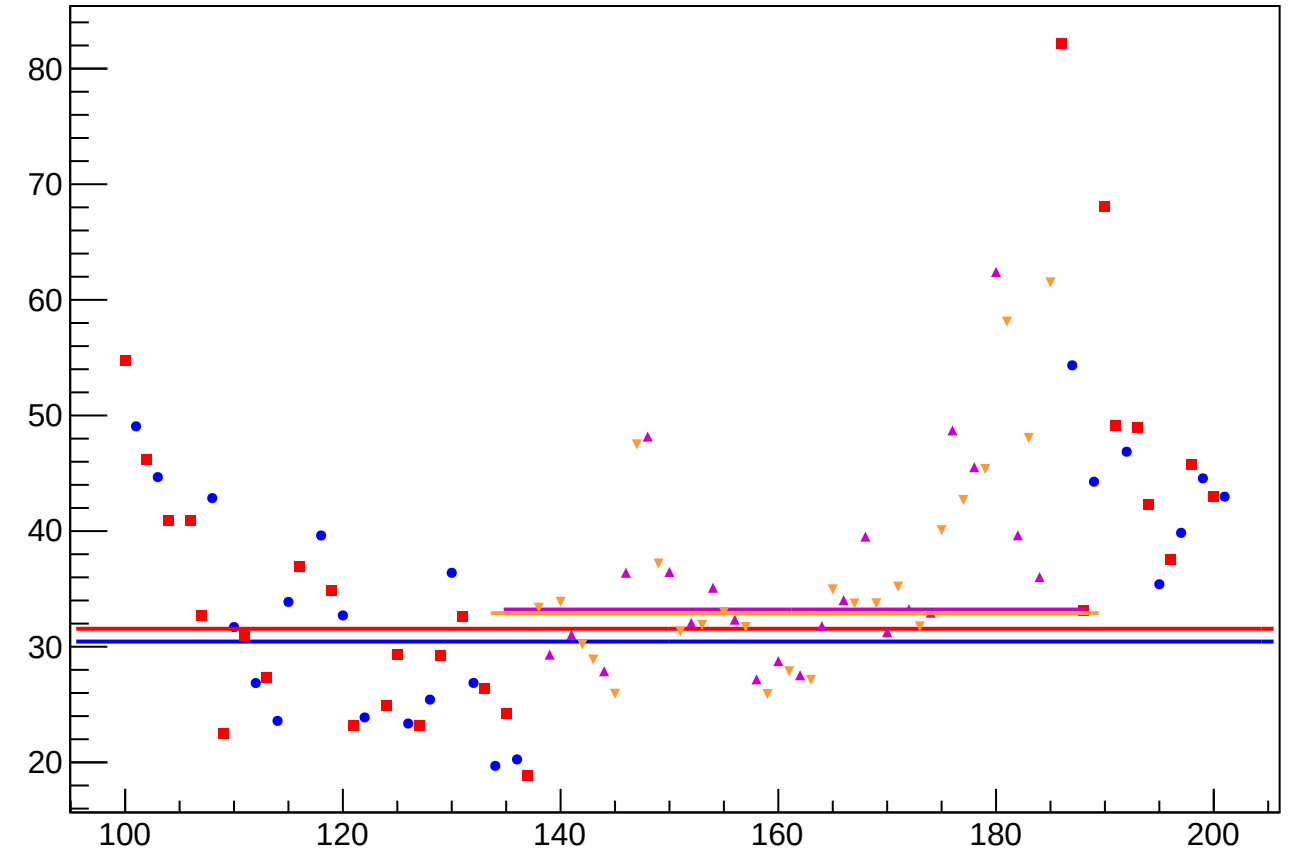
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.002+/-0.006 χ^2/NDF: 54.9/50

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 102.4/98



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: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

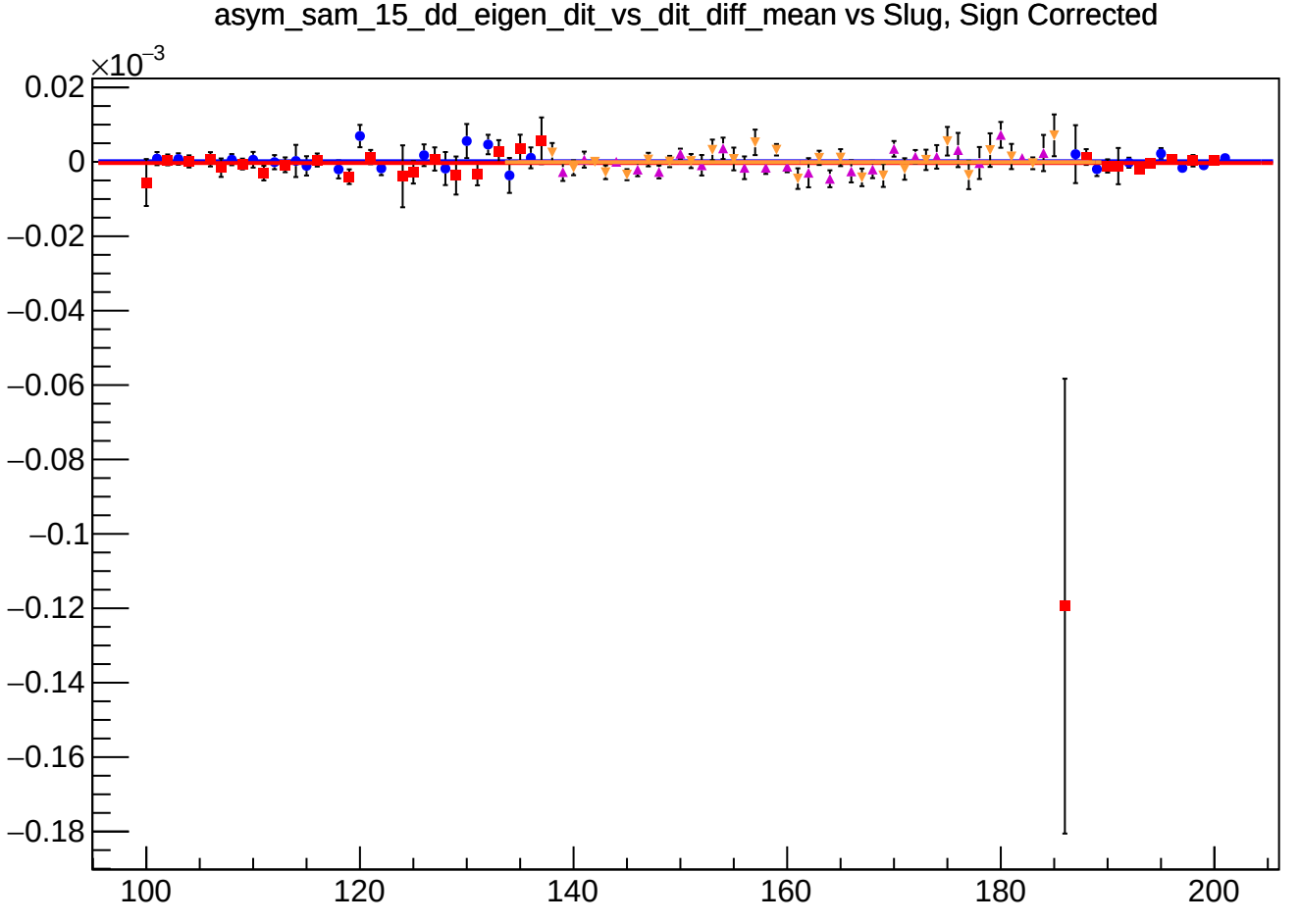
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.010+/-0.005 χ^2/NDF: 4376930.6/50

In: 32.026+/-0.004 χ^2/NDF:3521585.9/45

Out: 32.337+/-0.004 χ^2/NDF:3620163.2/52

All: 32.186+/-0.003 χ^2/NDF: 7144498.8/98



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: 21.1/27

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

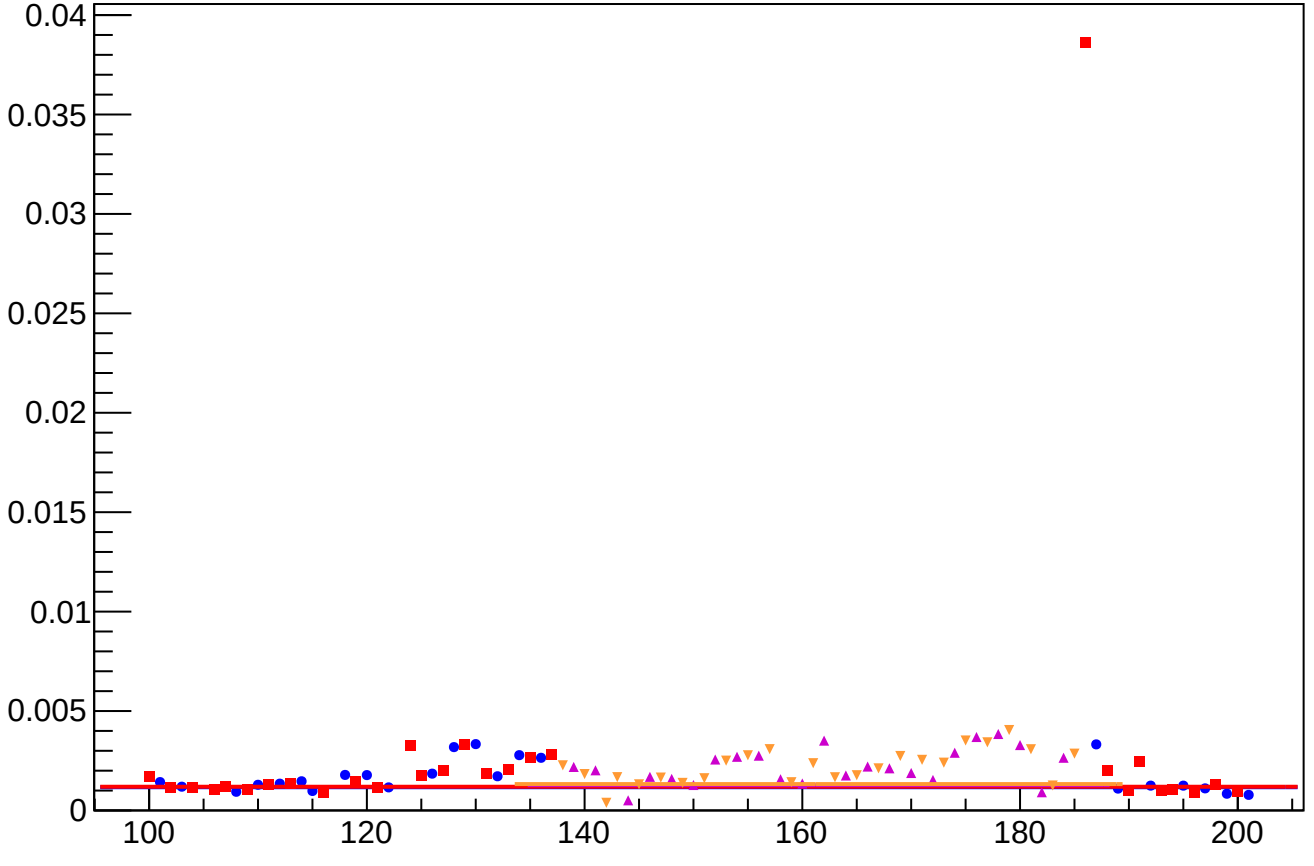
Right: -0.000+/-0.000 χ^2/NDF: 43.0/50

In: 0.000+/-0.000 χ^2/NDF:48.2/45

Out: -0.000+/-0.000 χ^2/NDF:52.3/52

All: -0.000+/-0.000 χ^2/NDF: 101.1/98

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: 3129294.4/27

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

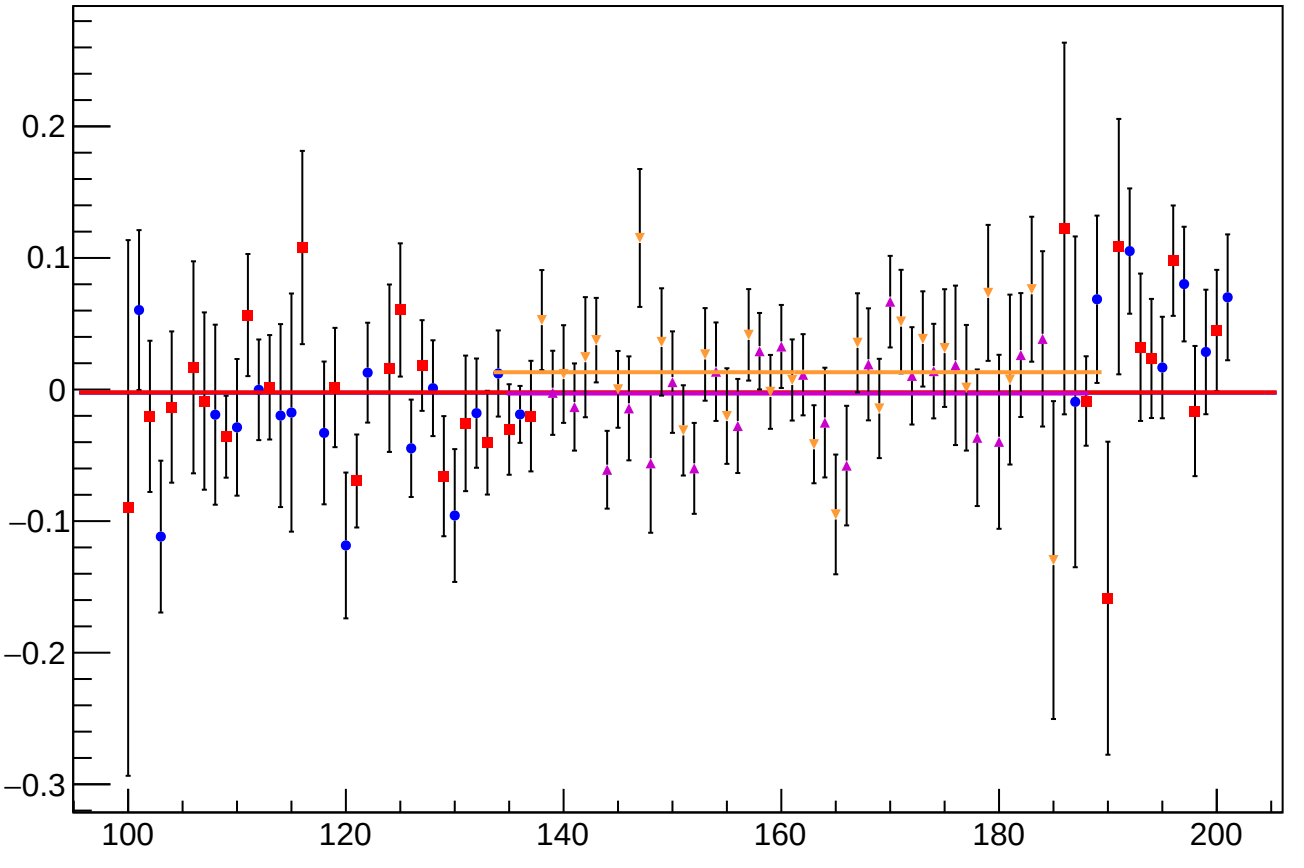
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 6157880.9/50

In: 0.001+/-0.000 χ^2/NDF:12988798.2/45

Out: 0.001+/-0.000 χ^2/NDF:14428530.5/52

All: 0.001+/-0.000 χ^2/NDF: 27434959.6/98



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: -0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

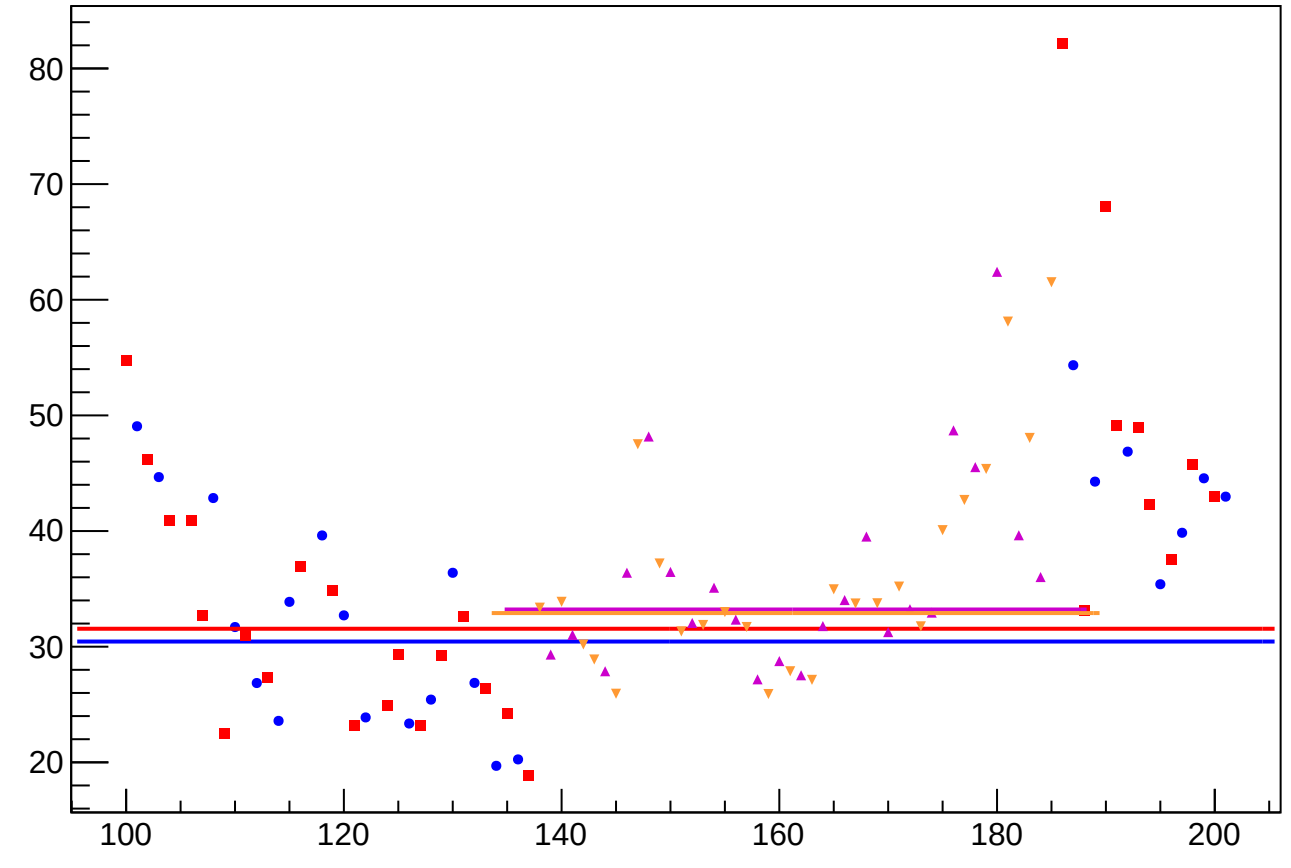
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.002+/-0.006 χ^2/NDF: 54.9/50

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 102.4/98



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: 31.552+/-0.006 χ^2/NDF: 2166298.2/27

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

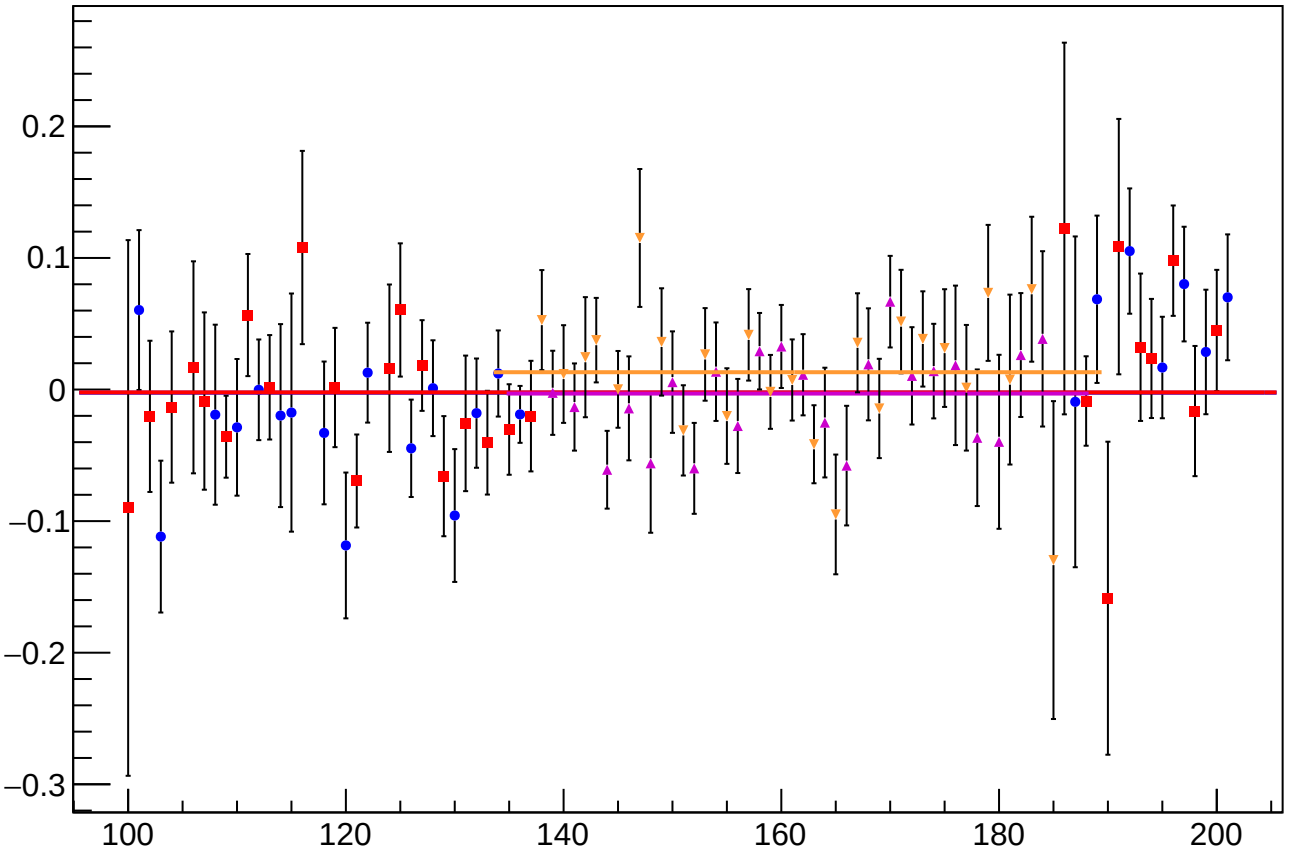
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.009+/-0.005 χ^2/NDF: 4377381.9/50

In: 32.025+/-0.004 χ^2/NDF:3521905.3/45

Out: 32.336+/-0.004 χ^2/NDF:3620549.2/52

All: 32.185+/-0.003 χ^2/NDF: 7145201.3/98



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: -0.002+/-0.009 χ^2/NDF: 26.3/27

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

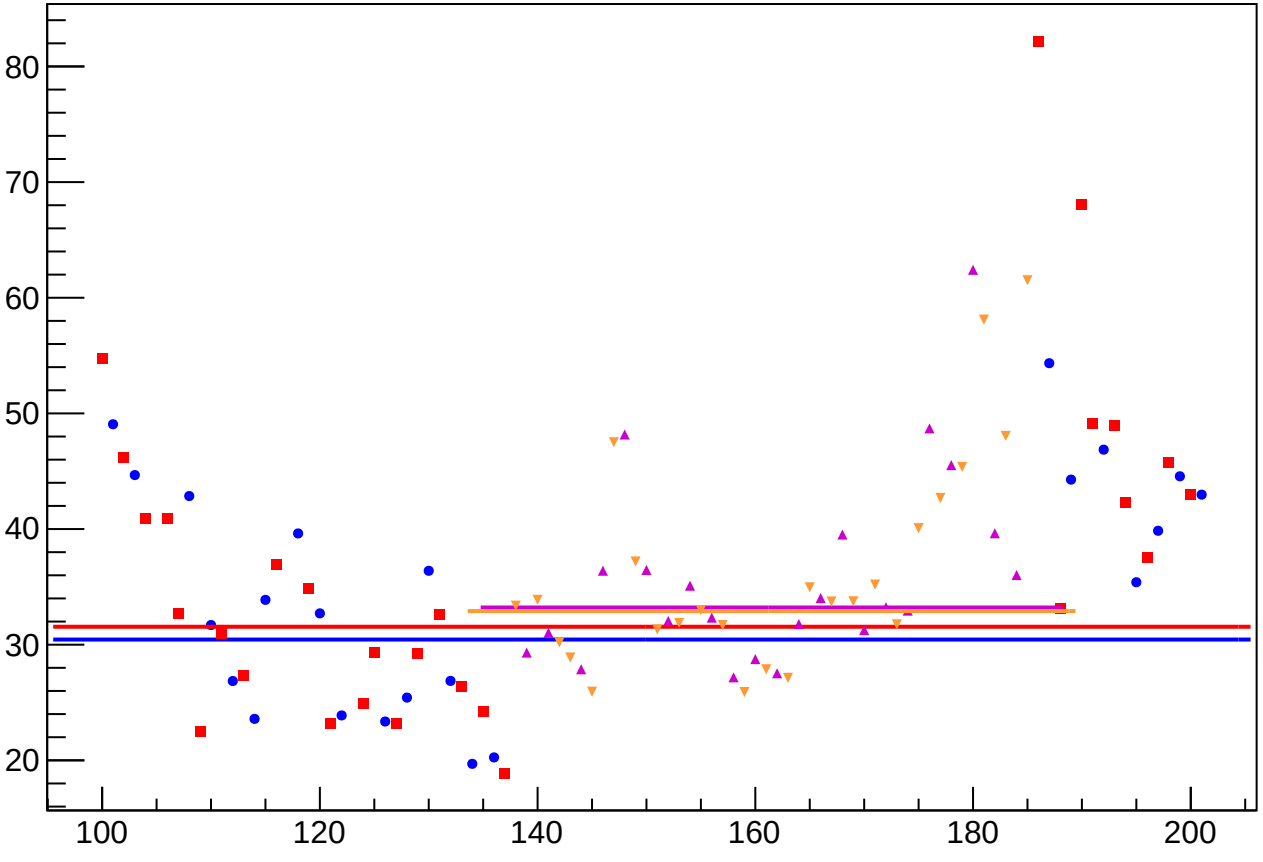
Right: -0.002+/-0.006 χ^2/NDF: 54.9/50

In: -0.003+/-0.006 χ^2/NDF:47.7/45

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 102.4/98

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: 31.552+/-0.006 χ^2/NDF: 2166298.2/27

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

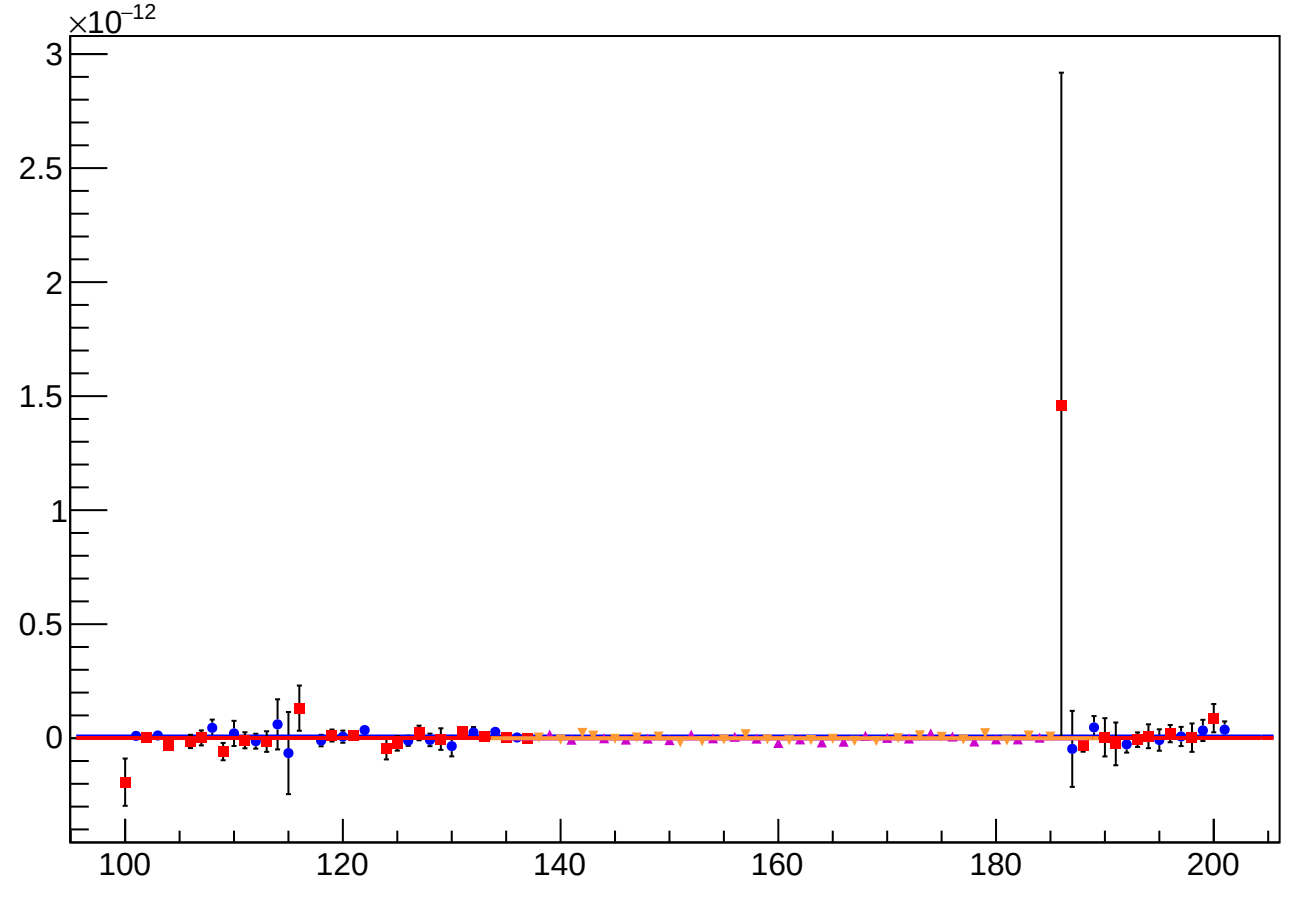
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.009+/-0.005 χ^2/NDF: 4377381.9/50

In: 32.025+/-0.004 χ^2/NDF:3521905.3/45

Out: 32.336+/-0.004 χ^2/NDF:3620549.2/52

All: 32.185+/-0.003 χ^2/NDF: 7145201.3/98



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: 20.3/27

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

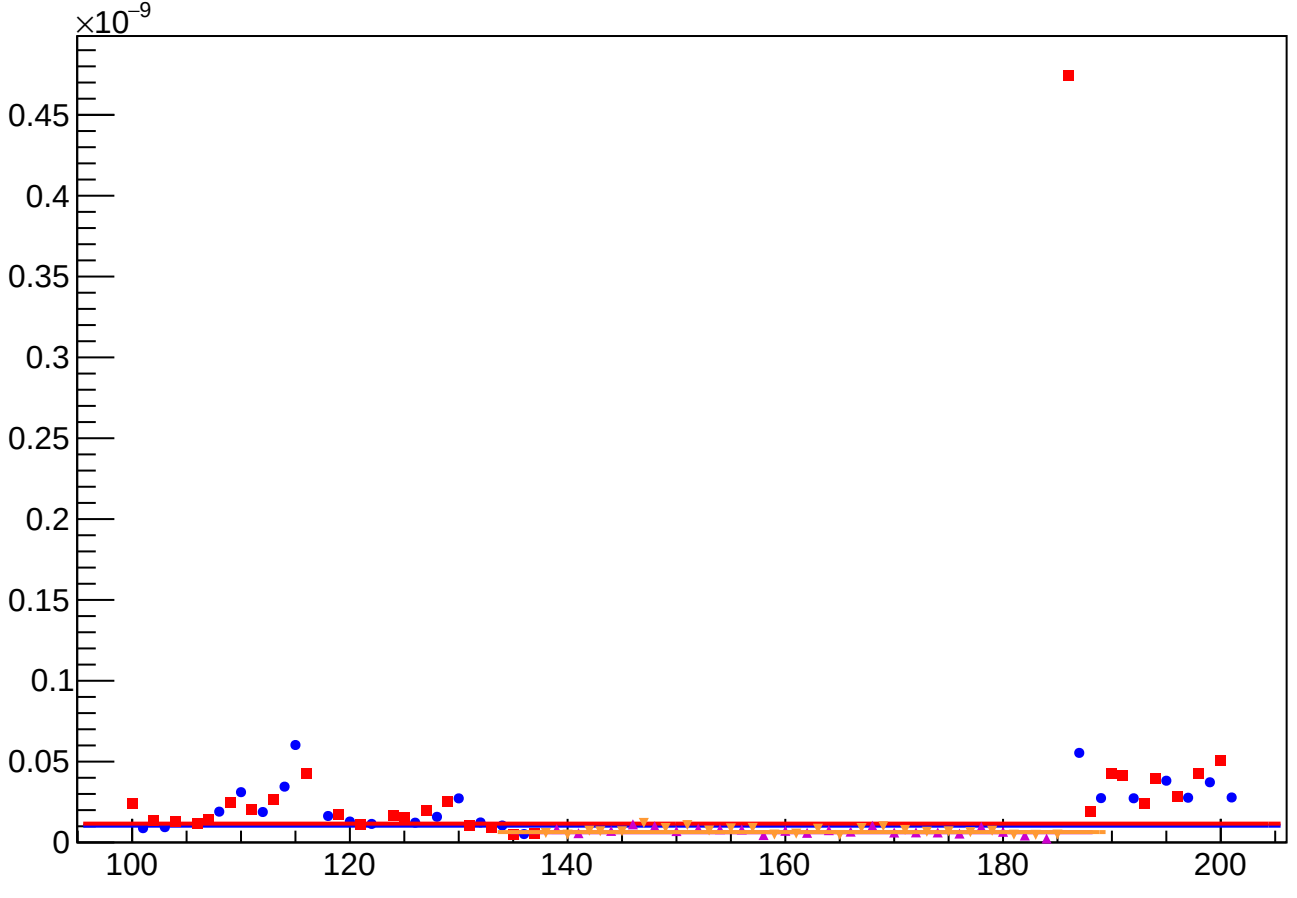
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 32.4/50

In: 0.000+/-0.000 χ^2/NDF:39.6/45

Out: -0.000+/-0.000 χ^2/NDF:51.4/52

All: -0.000+/-0.000 χ^2/NDF: 91.0/98



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: 6289935.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

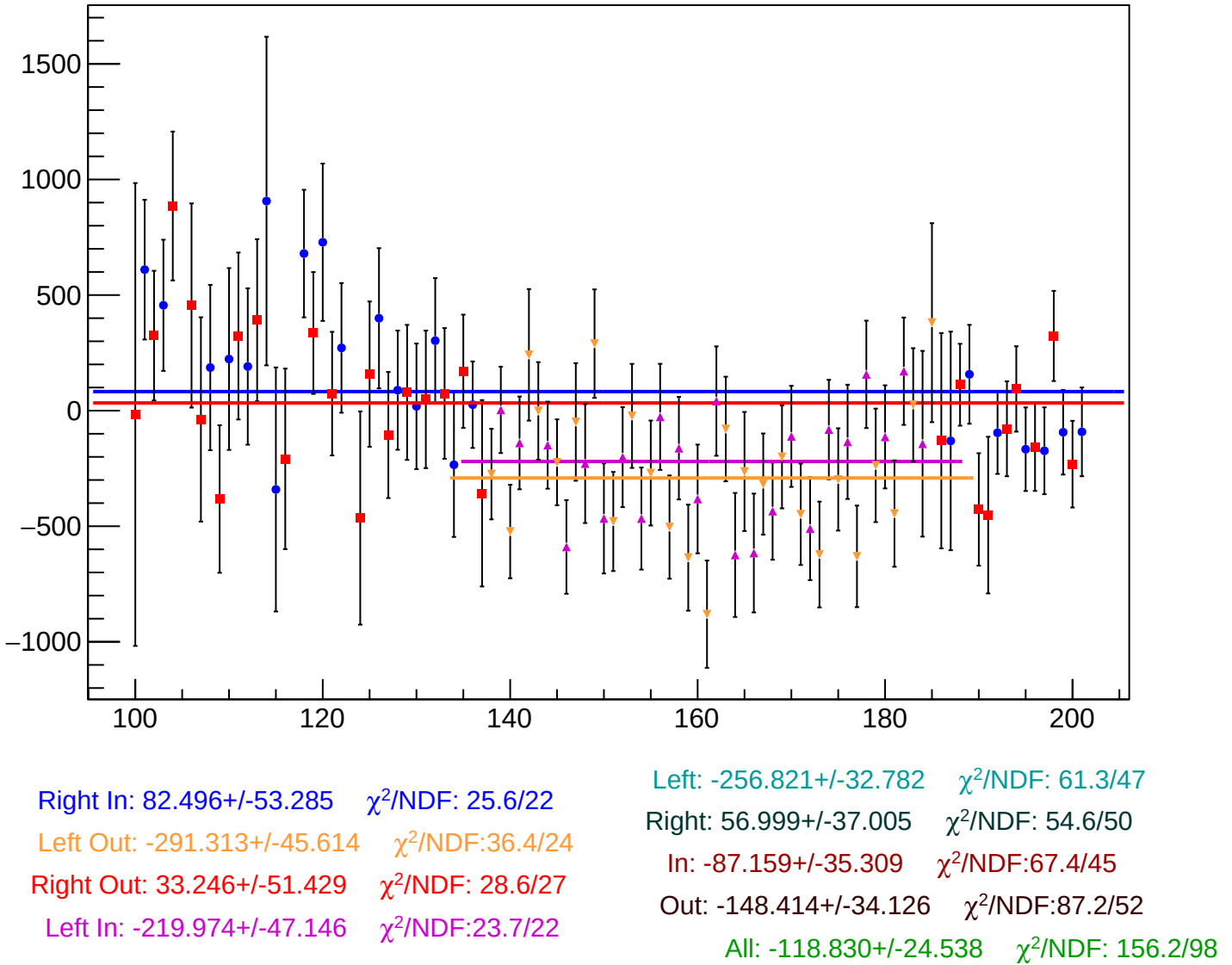
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11955047.5/50

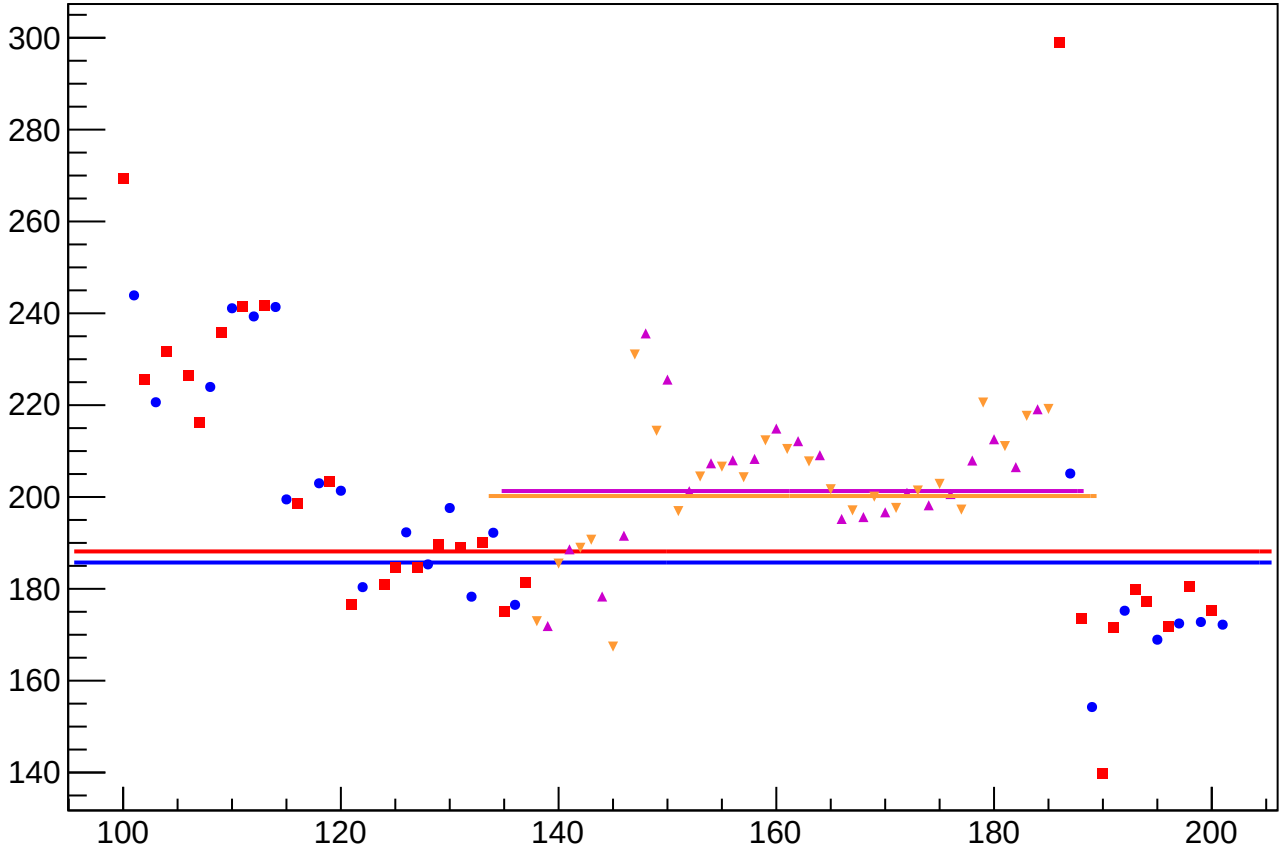
In: 0.000+/-0.000 χ^2/NDF:9150469.5/45

Out: 0.000+/-0.000 χ^2/NDF:10321039.3/52

All: 0.000+/-0.000 χ^2/NDF: 19480610.9/98


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 82.496+/-53.285 χ²/NDF: 25.6/22
Left Out: -291.313+/-45.614 χ²/NDF:36.4/24
Right Out: 33.246+/-51.429 χ²/NDF: 28.6/27
Left In: -219.974+/-47.146 χ²/NDF:23.7/22
Left: -256.821+/-32.782 χ²/NDF: 61.3/47
Right: 56.999+/-37.005 χ²/NDF: 54.6/50
In: -87.159+/-35.309 χ²/NDF:67.4/45
Out: -148.414+/-34.126 χ²/NDF:87.2/52
All: -118.830+/-24.538 χ²/NDF: 156.2/98

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 188.144+/-0.036 χ^2/NDF: 510460.6/27

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

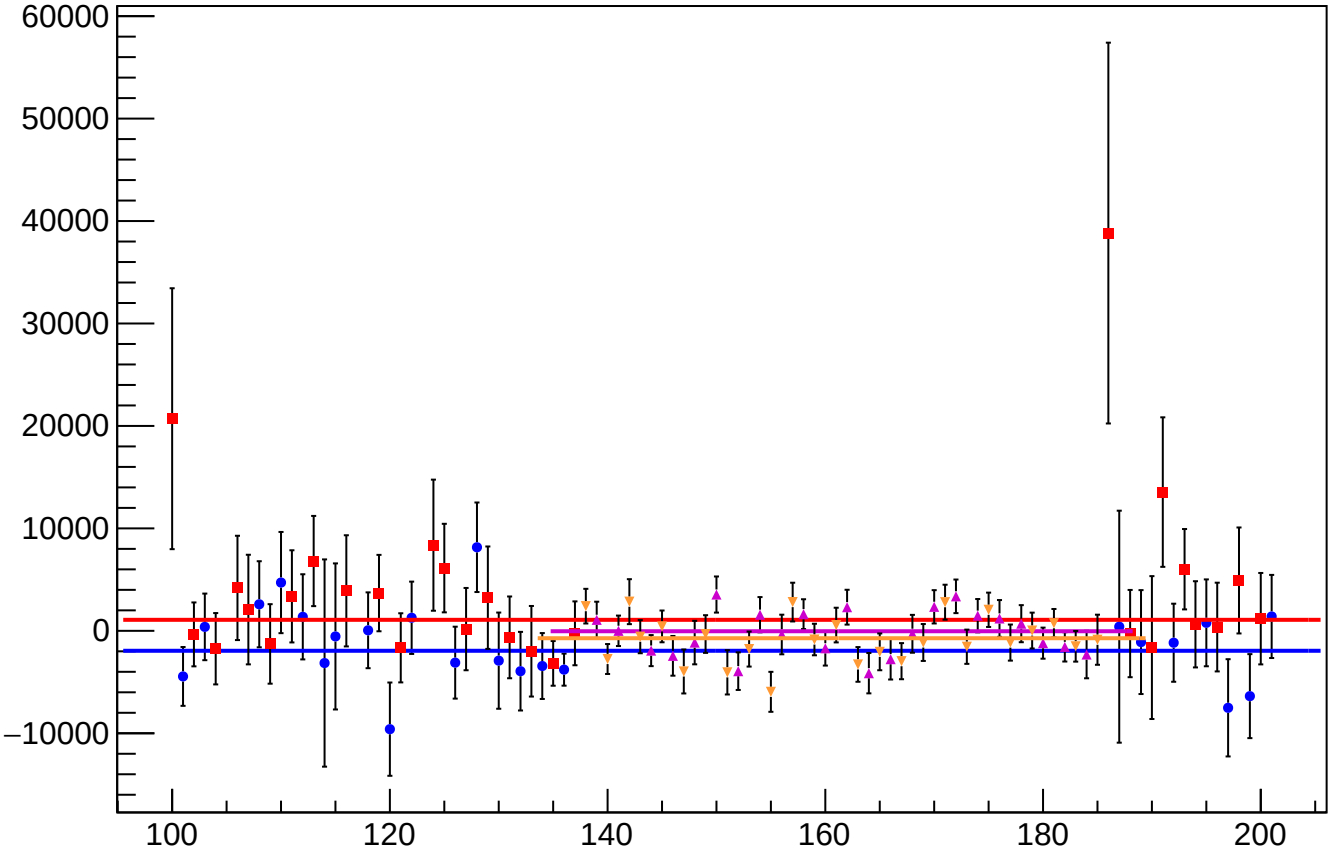
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 186.980+/-0.026 χ^2/NDF: 868851.8/50

In: 194.462+/-0.025 χ^2/NDF:633662.3/45

Out: 194.897+/-0.024 χ^2/NDF:776471.4/52

All: 194.687+/-0.017 χ^2/NDF: 1410291.1/98



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: 1074.883+/-792.274 χ^2/NDF: 24.4/27

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

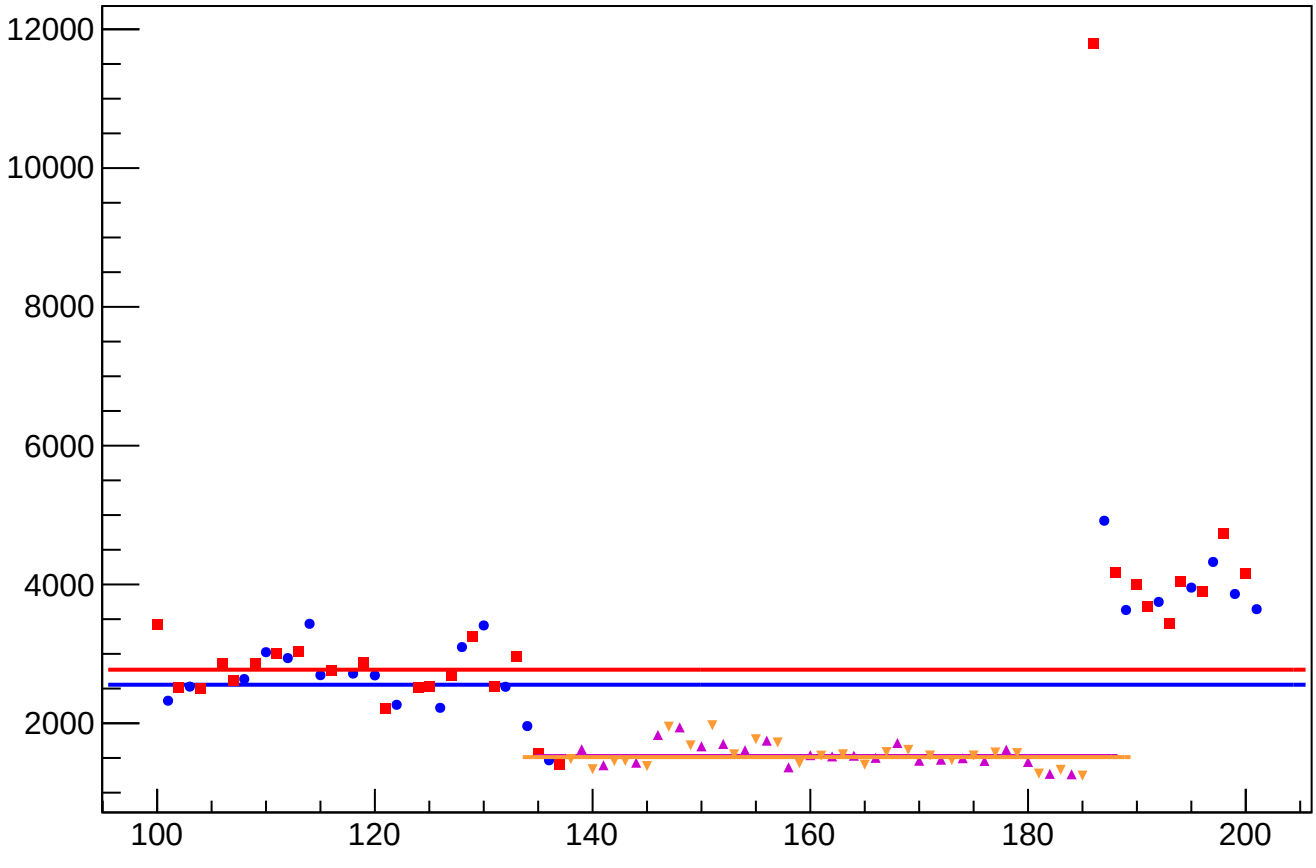
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -481.020+/-551.826 χ^2/NDF: 51.9/50

In: -381.033+/-325.499 χ^2/NDF:59.5/45

Out: -432.570+/-317.371 χ^2/NDF:67.0/52

All: -407.453+/-227.234 χ^2/NDF: 126.5/98



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: 2771.794+/-0.560 χ^2/NDF: 2783103.4/27

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

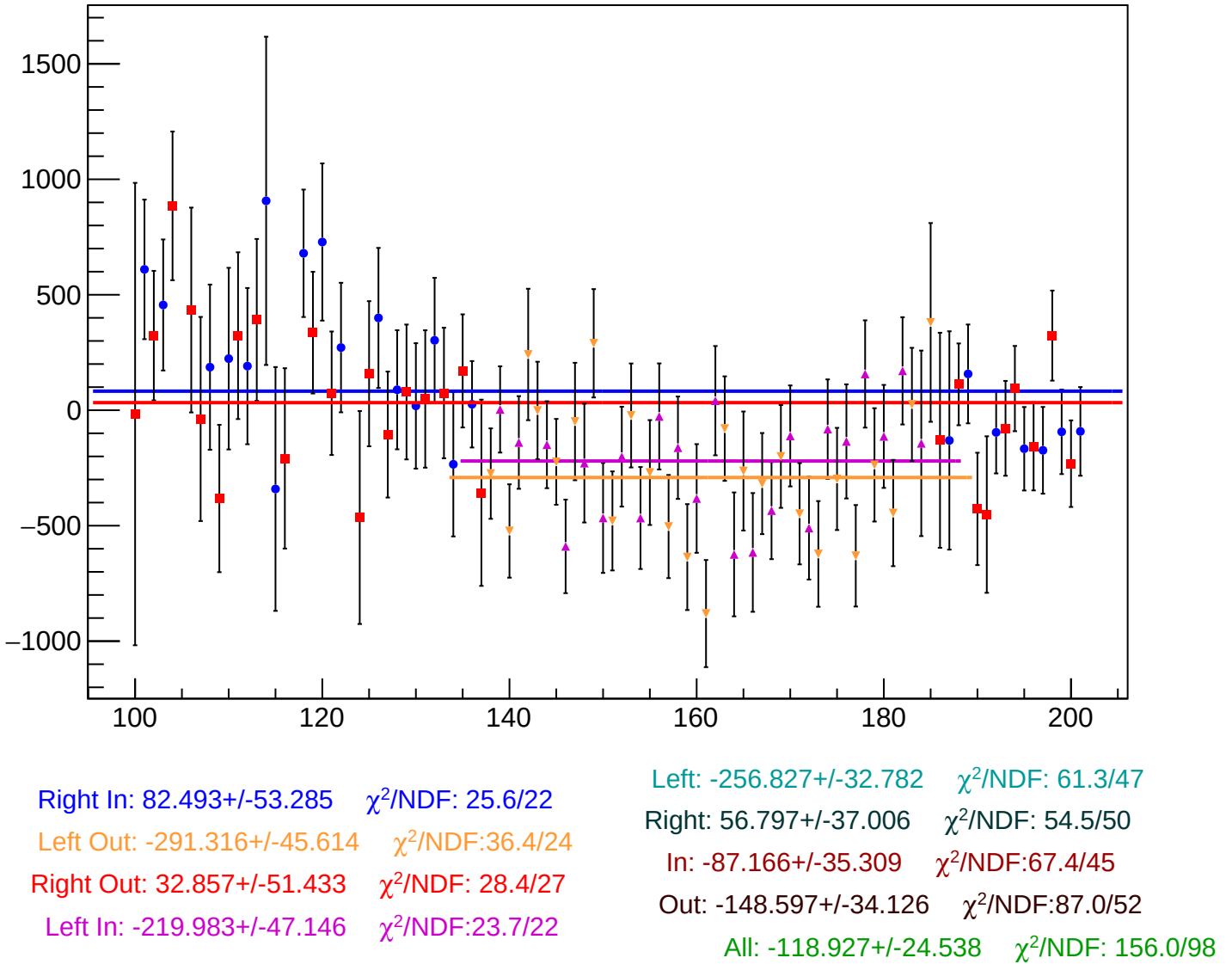
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2660.325+/-0.390 χ^2/NDF: 5314127.8/50

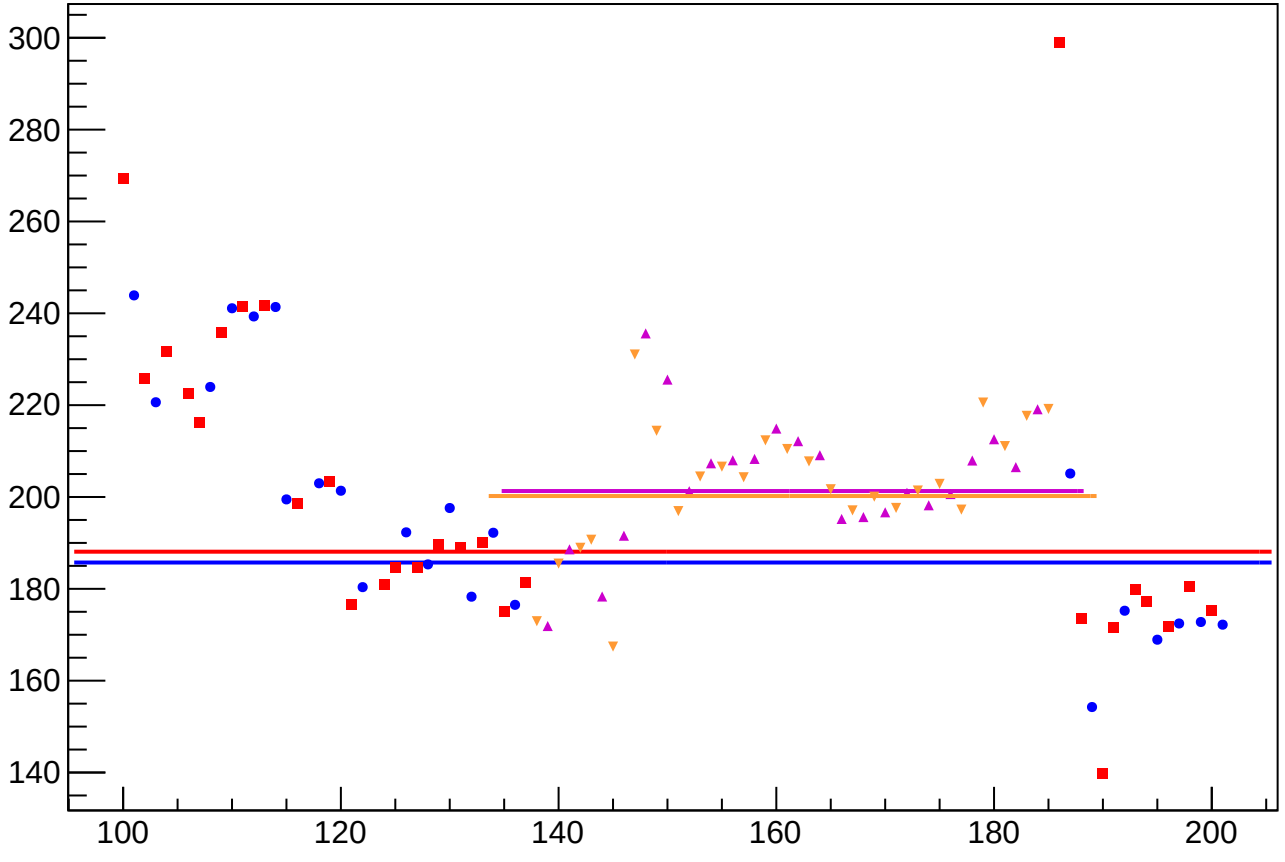
In: 1712.002+/-0.230 χ^2/NDF:5757647.1/45

Out: 1714.460+/-0.224 χ^2/NDF:7468585.4/52

All: 1713.262+/-0.161 χ^2/NDF: 13226290.9/9


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 82.493+/-53.285 χ²/NDF: 25.6/22
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 32.857+/-51.433 χ²/NDF: 28.4/27
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 56.797+/-37.006 χ²/NDF: 54.5/50
In: -87.166+/-35.309 χ²/NDF:67.4/45
Out: -148.597+/-34.126 χ²/NDF:87.0/52
All: -118.927+/-24.538 χ²/NDF: 156.0/98

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: 188.088+/-0.036 χ^2/NDF: 507530.9/27

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

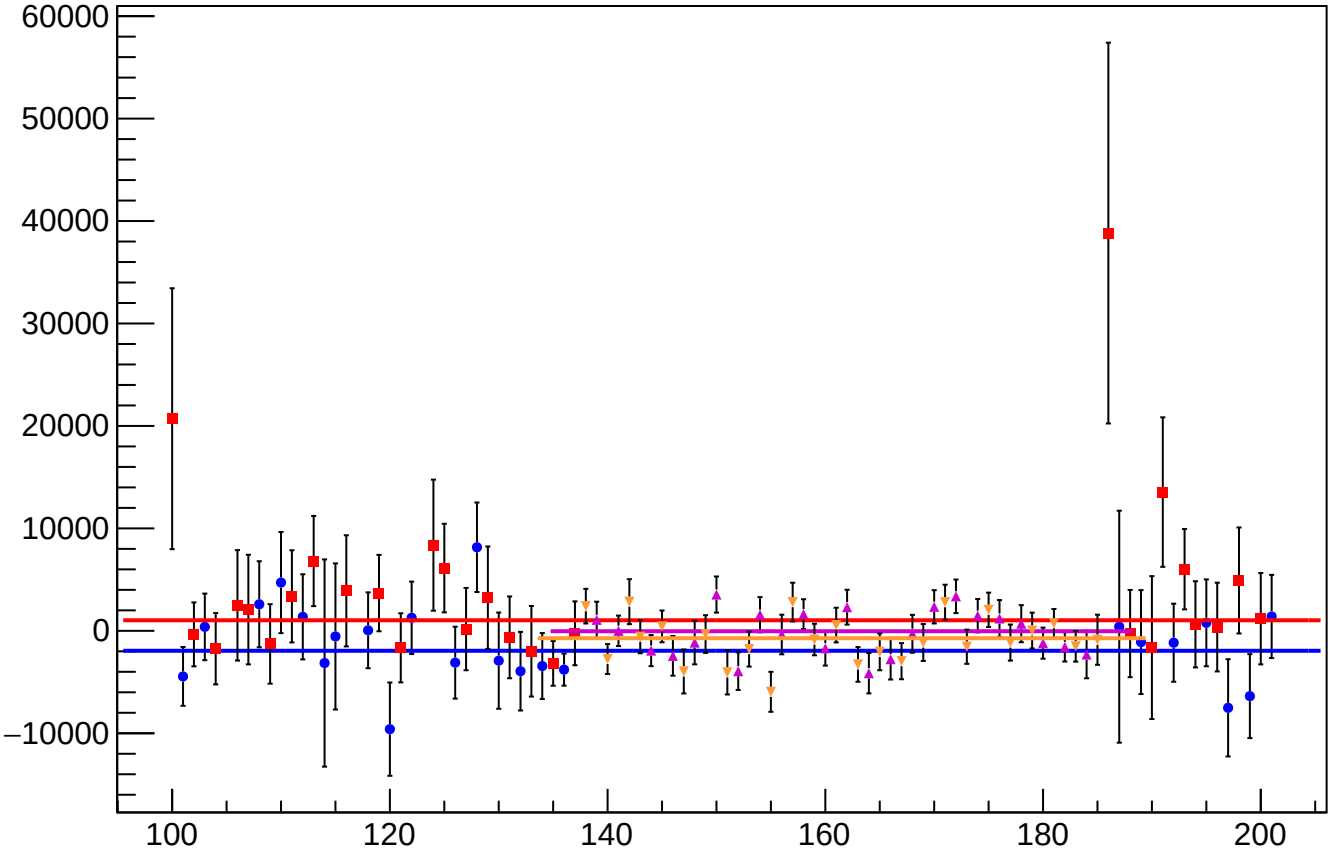
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 186.951+/-0.026 χ^2/NDF: 865825.4/50

In: 194.462+/-0.025 χ^2/NDF:633662.7/45

Out: 194.873+/-0.024 χ^2/NDF:774107.3/52

All: 194.675+/-0.017 χ^2/NDF: 1407910.4/98



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: 1030.082+/-793.338 χ^2/NDF: 24.1/27

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

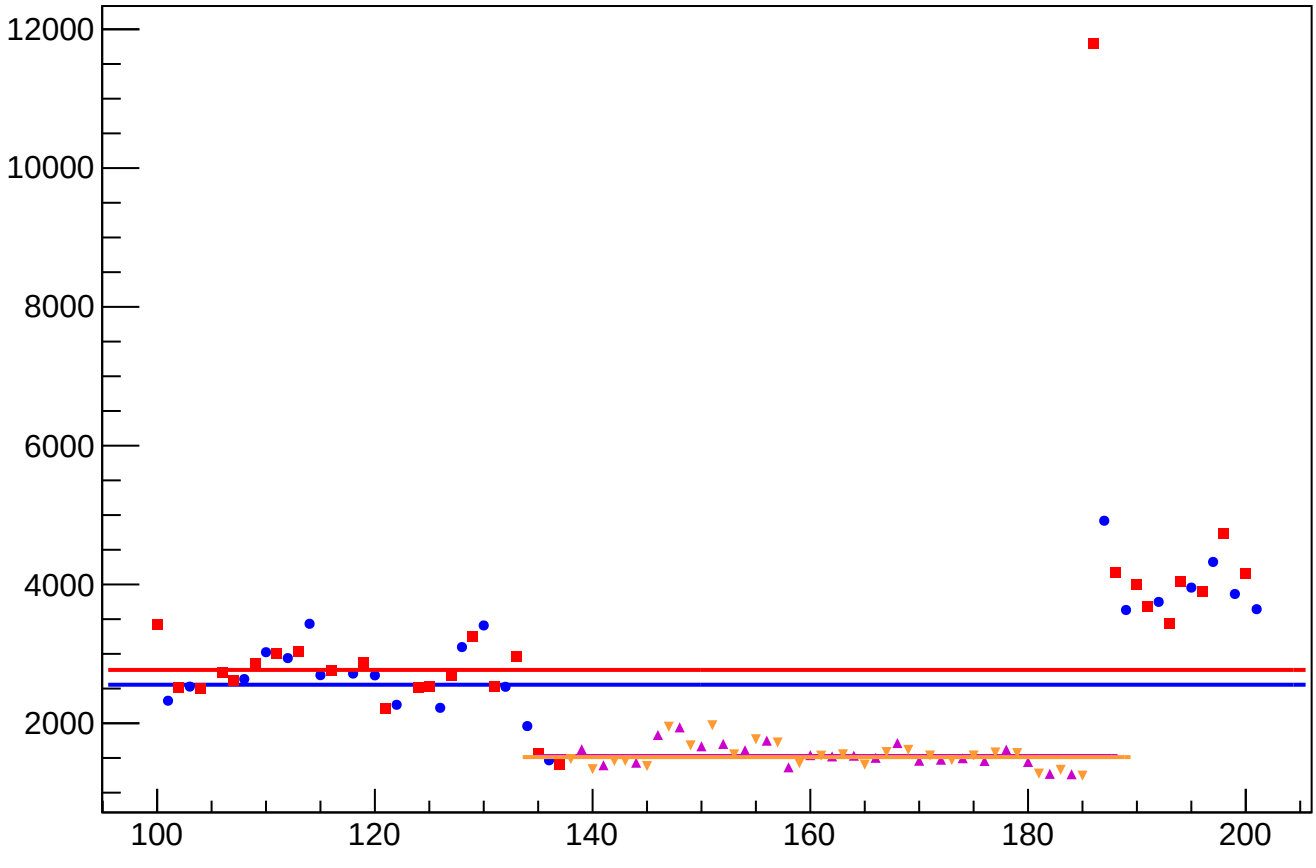
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -504.733+/-552.186 χ^2/NDF: 51.4/50

In: -381.025+/-325.499 χ^2/NDF:59.5/45

Out: -440.396+/-317.439 χ^2/NDF:66.5/52

All: -411.455+/-227.259 χ^2/NDF: 126.0/98



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: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

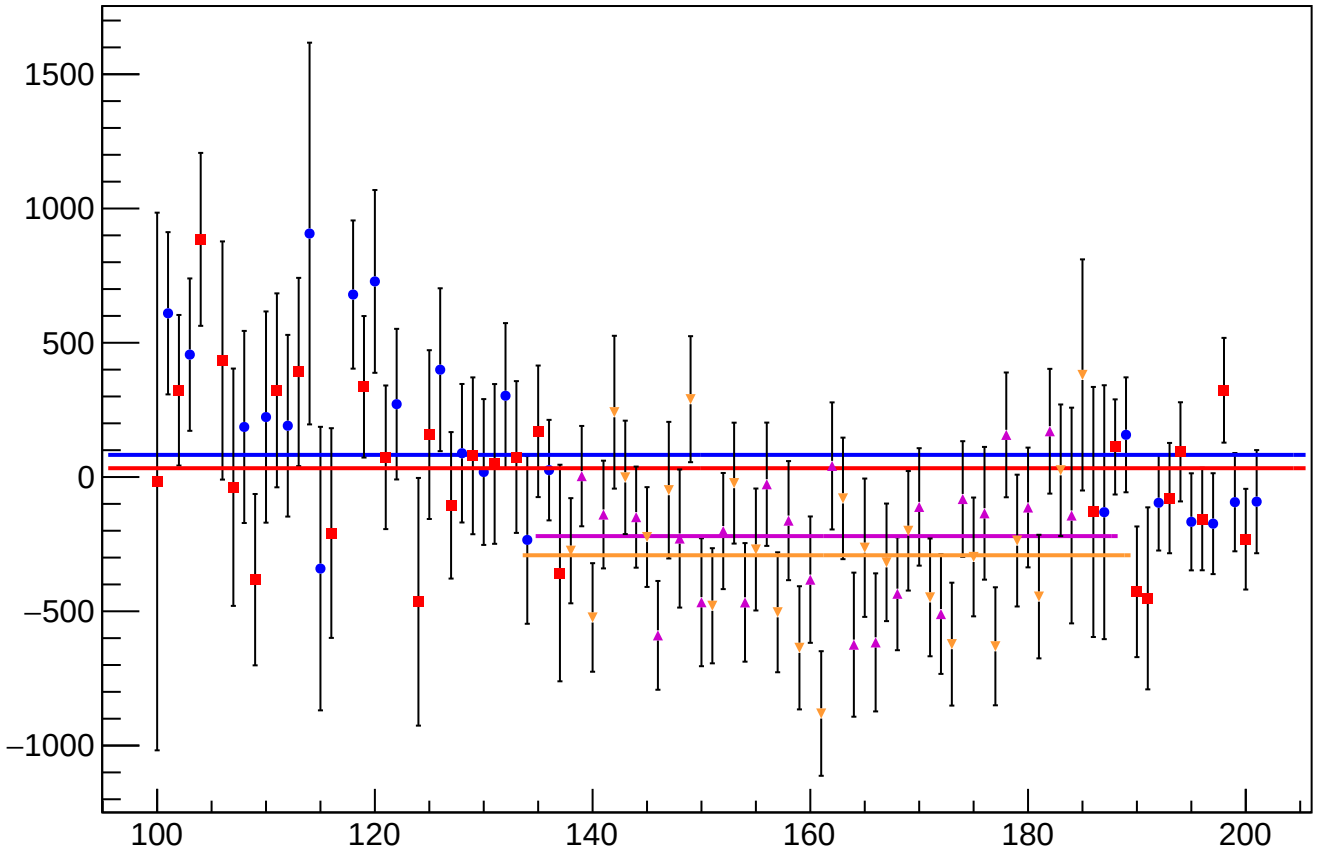
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2658.667+/-0.390 χ^2/NDF: 5311089.1/50

In: 1712.002+/-0.230 χ^2/NDF:5757658.6/45

Out: 1713.504+/-0.224 χ^2/NDF:7437309.0/52

All: 1712.772+/-0.161 χ^2/NDF: 13194989.5/9



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: 32.857+/-51.433 χ^2/NDF: 28.4/27

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

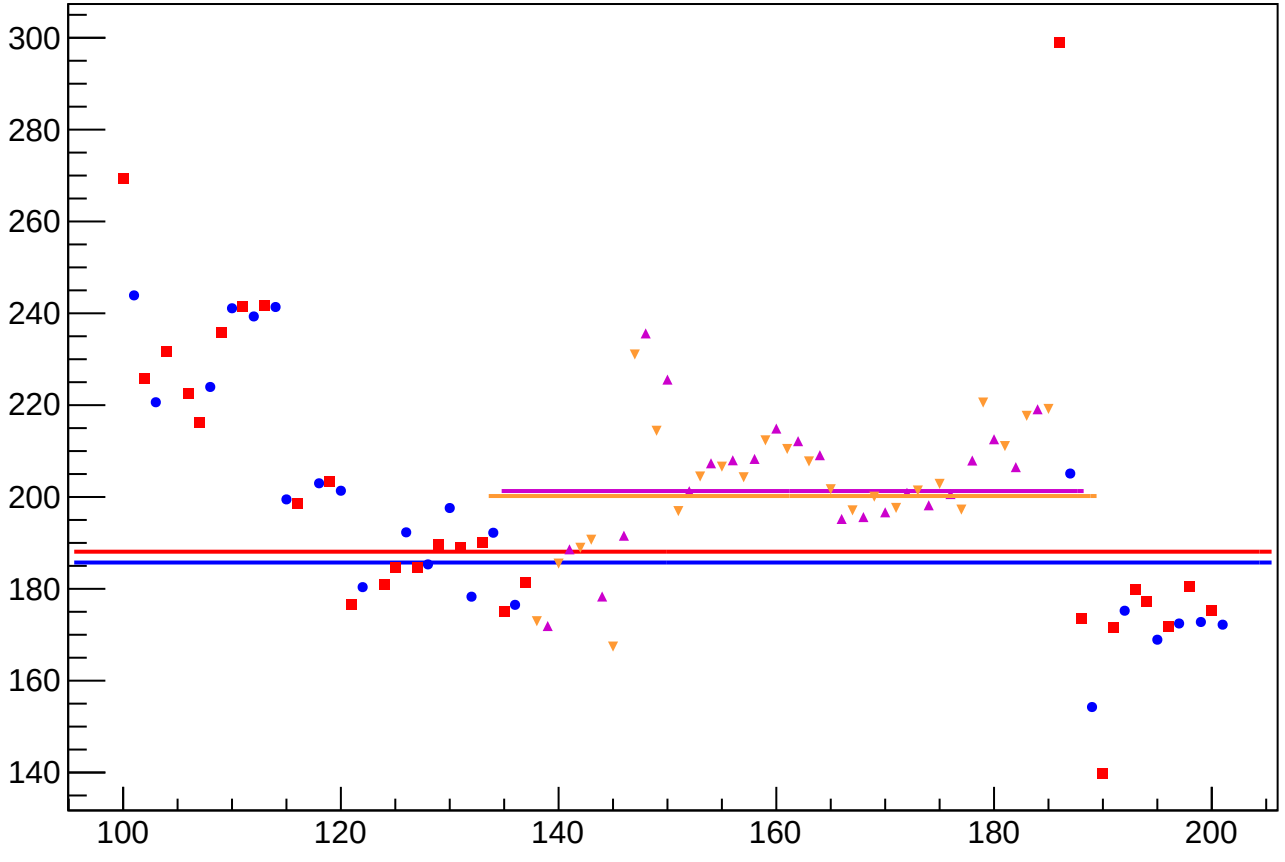
Right: 56.797+/-37.006 χ^2/NDF: 54.5/50

In: -87.166+/-35.309 χ^2/NDF:67.4/45

Out: -148.597+/-34.126 χ^2/NDF:87.0/52

All: -118.927+/-24.538 χ^2/NDF: 156.0/98

eigen_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: 188.088+/-0.036 χ^2/NDF: 507530.9/27

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

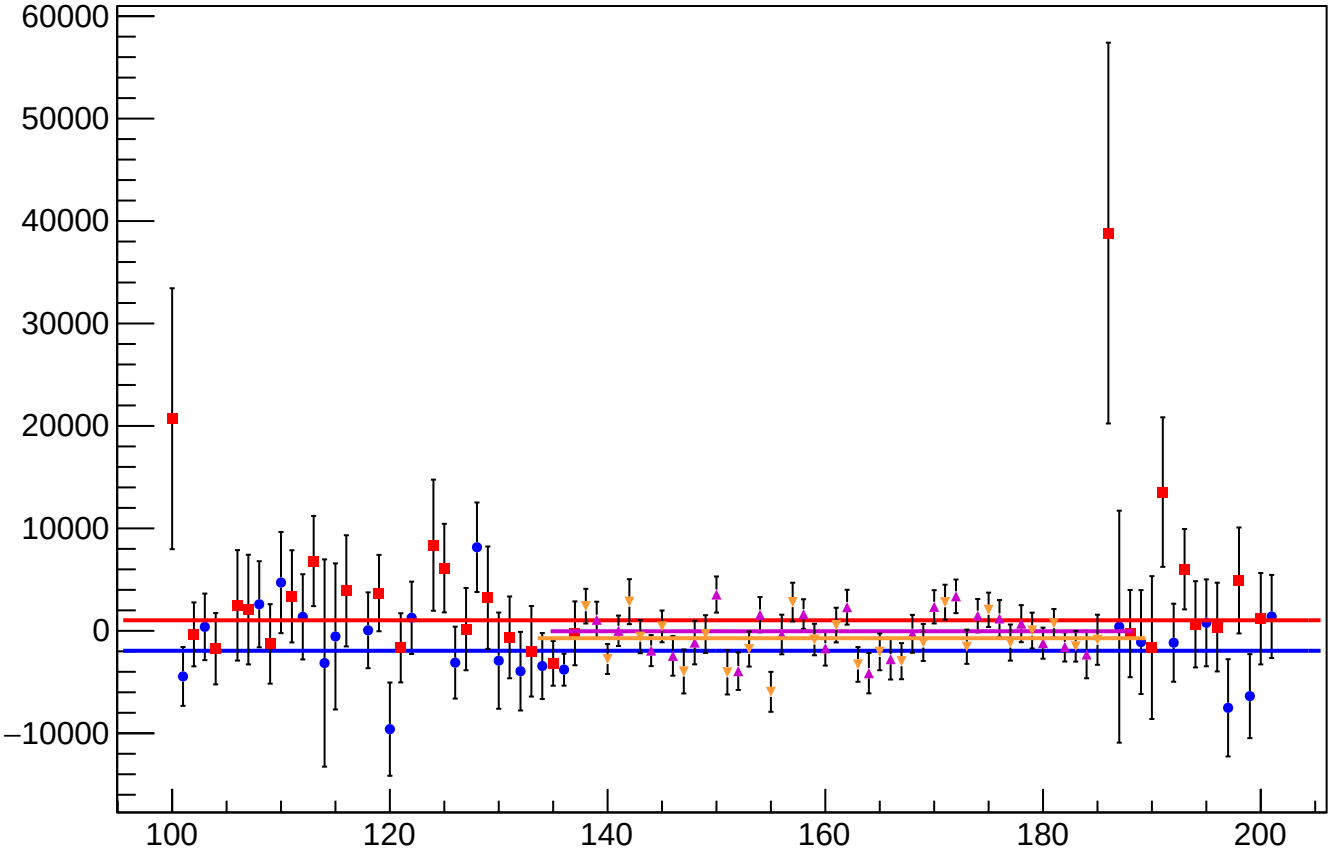
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 186.951+/-0.026 χ^2/NDF: 865825.4/50

In: 194.462+/-0.025 χ^2/NDF:633662.7/45

Out: 194.873+/-0.024 χ^2/NDF:774107.3/52

All: 194.675+/-0.017 χ^2/NDF: 1407910.4/98



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: 1030.082+/-793.338 χ^2/NDF: 24.1/27

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

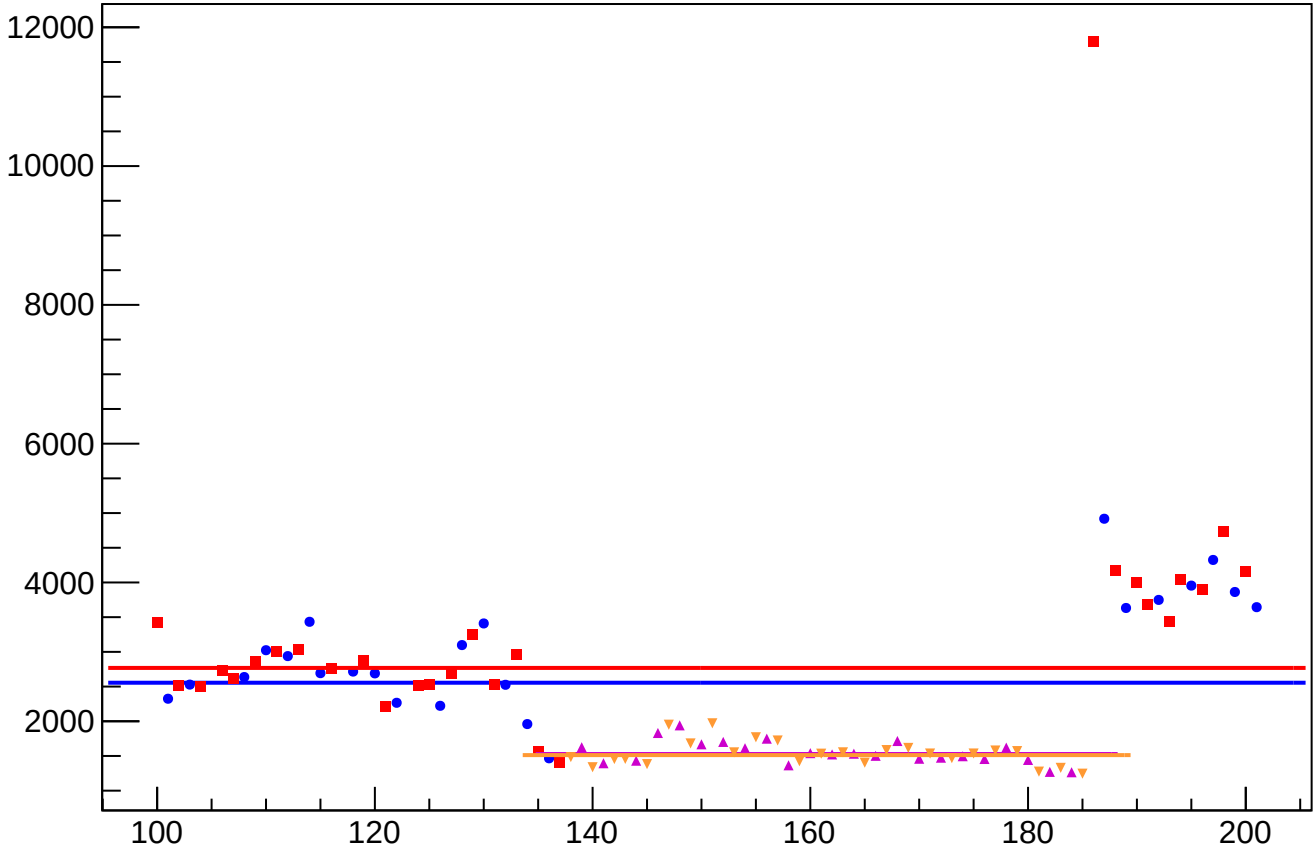
Right: -504.733+/-552.186 χ^2/NDF: 51.4/50

In: -381.025+/-325.499 χ^2/NDF:59.5/45

Out: -440.396+/-317.439 χ^2/NDF:66.5/52

All: -411.455+/-227.259 χ^2/NDF: 126.0/98

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

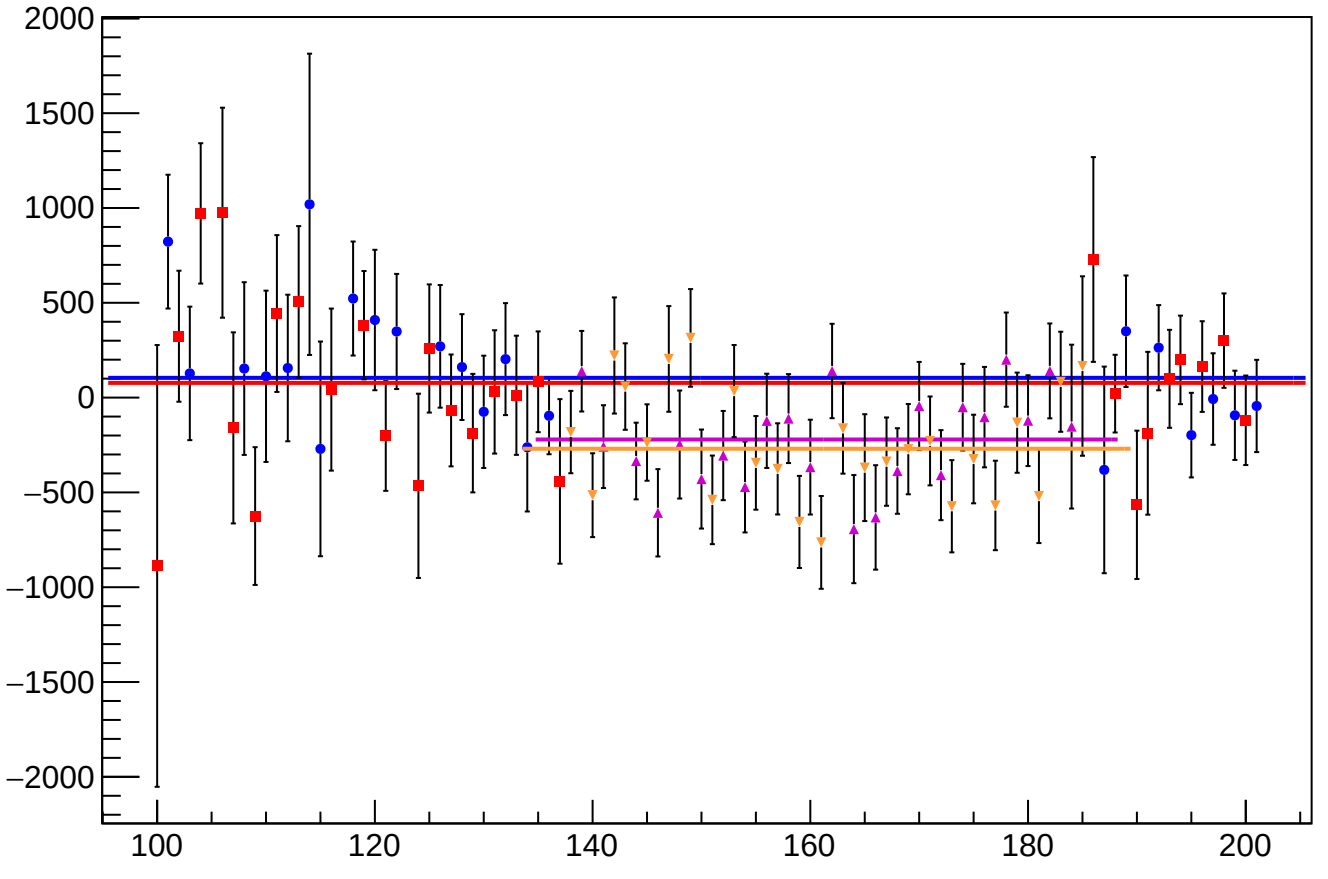
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2658.667+/-0.390 χ^2/NDF: 5311089.1/50

In: 1712.002+/-0.230 χ^2/NDF:5757658.6/45

Out: 1713.504+/-0.224 χ^2/NDF:7437309.0/52

All: 1712.772+/-0.161 χ^2/NDF: 13194989.5/9



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: 77.635+/-60.760 χ^2/NDF: 28.1/27

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

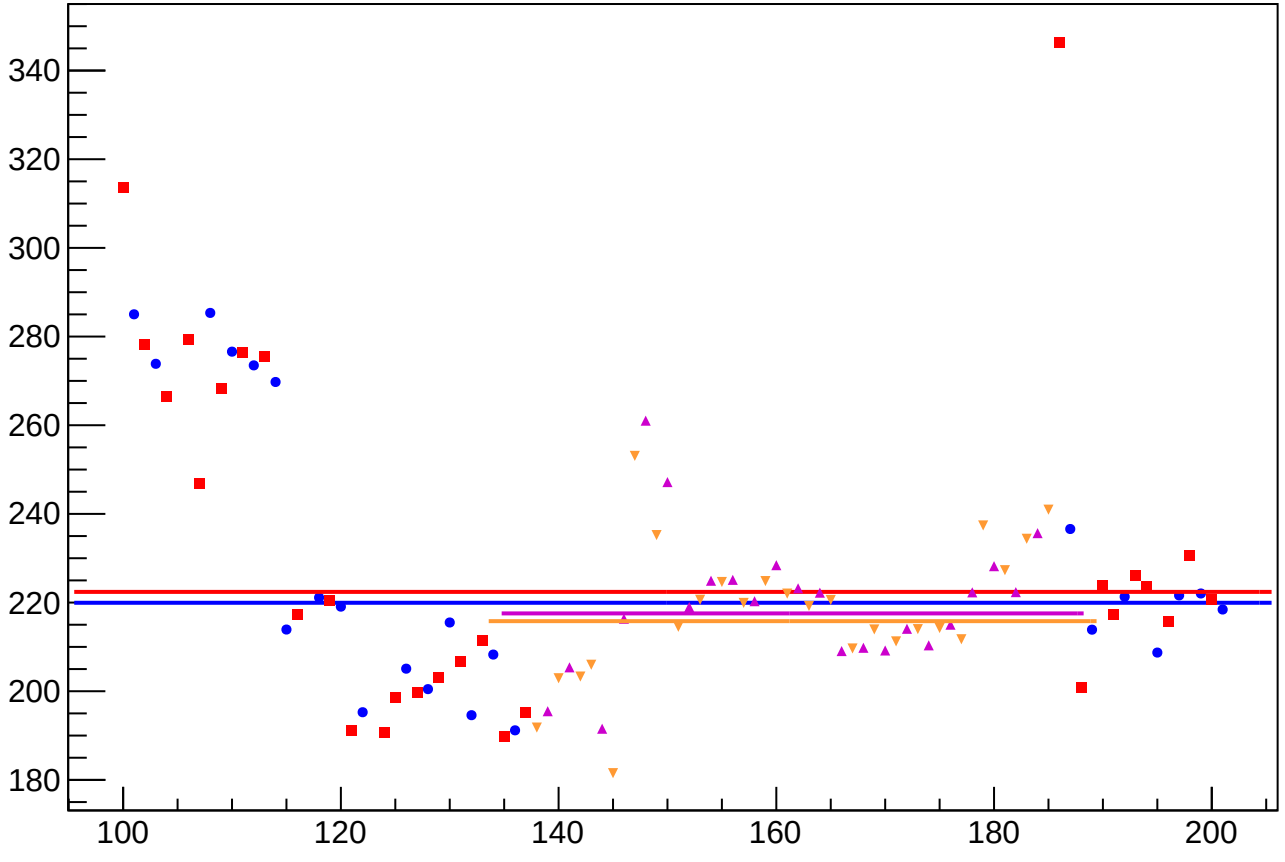
Right: 90.430+/-43.744 χ^2/NDF: 45.5/50

In: -92.420+/-39.626 χ^2/NDF:56.7/45

Out: -132.280+/-38.217 χ^2/NDF:79.4/52

All: -113.071+/-27.508 χ^2/NDF: 136.6/98

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: 222.407+/-0.043 χ^2/NDF: 459136.4/27

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

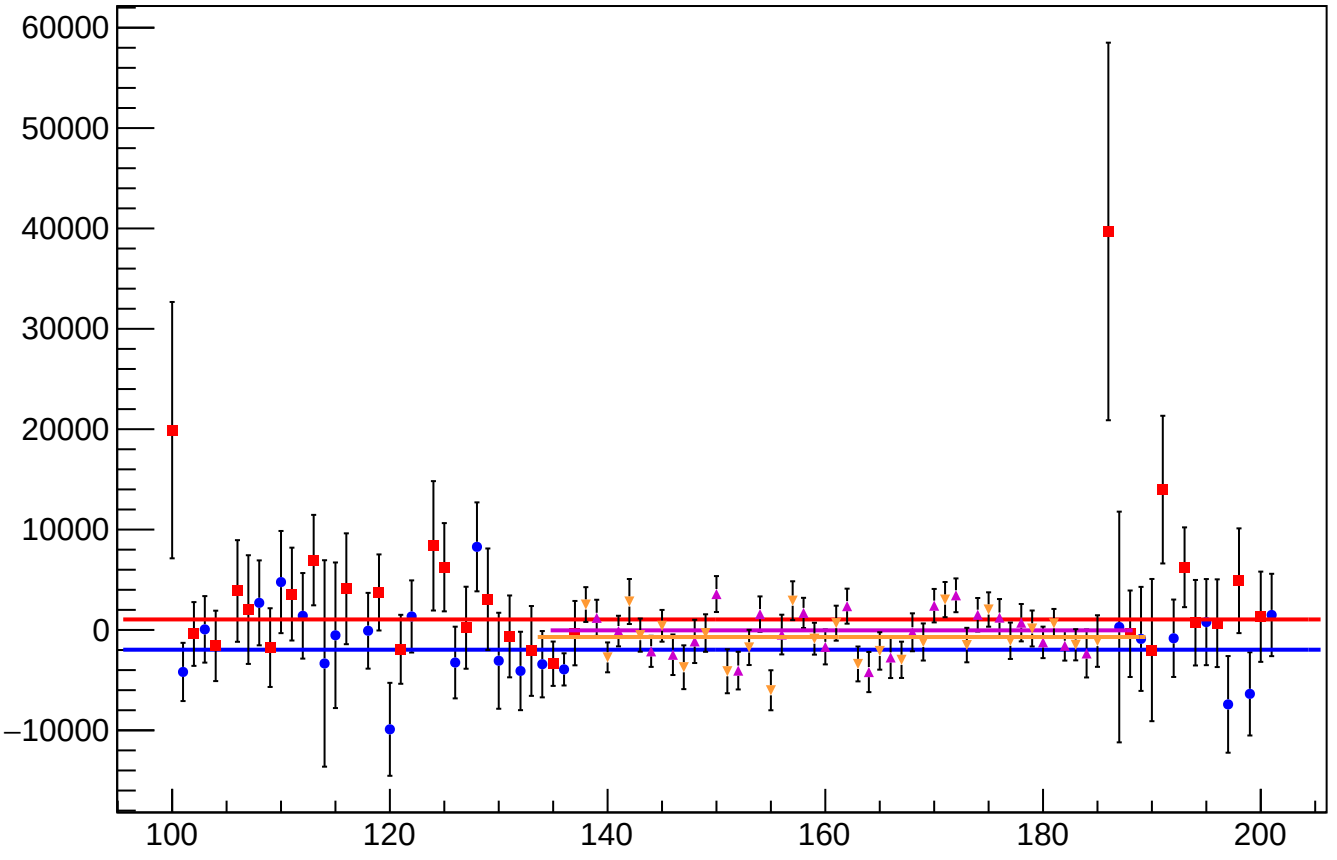
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.225+/-0.031 χ^2/NDF: 788010.1/50

In: 218.502+/-0.028 χ^2/NDF:490118.0/45

Out: 218.418+/-0.027 χ^2/NDF:662100.2/52

All: 218.459+/-0.019 χ^2/NDF: 1152222.9/98



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: 1046.909+/-803.962 χ^2/NDF: 25.0/27

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

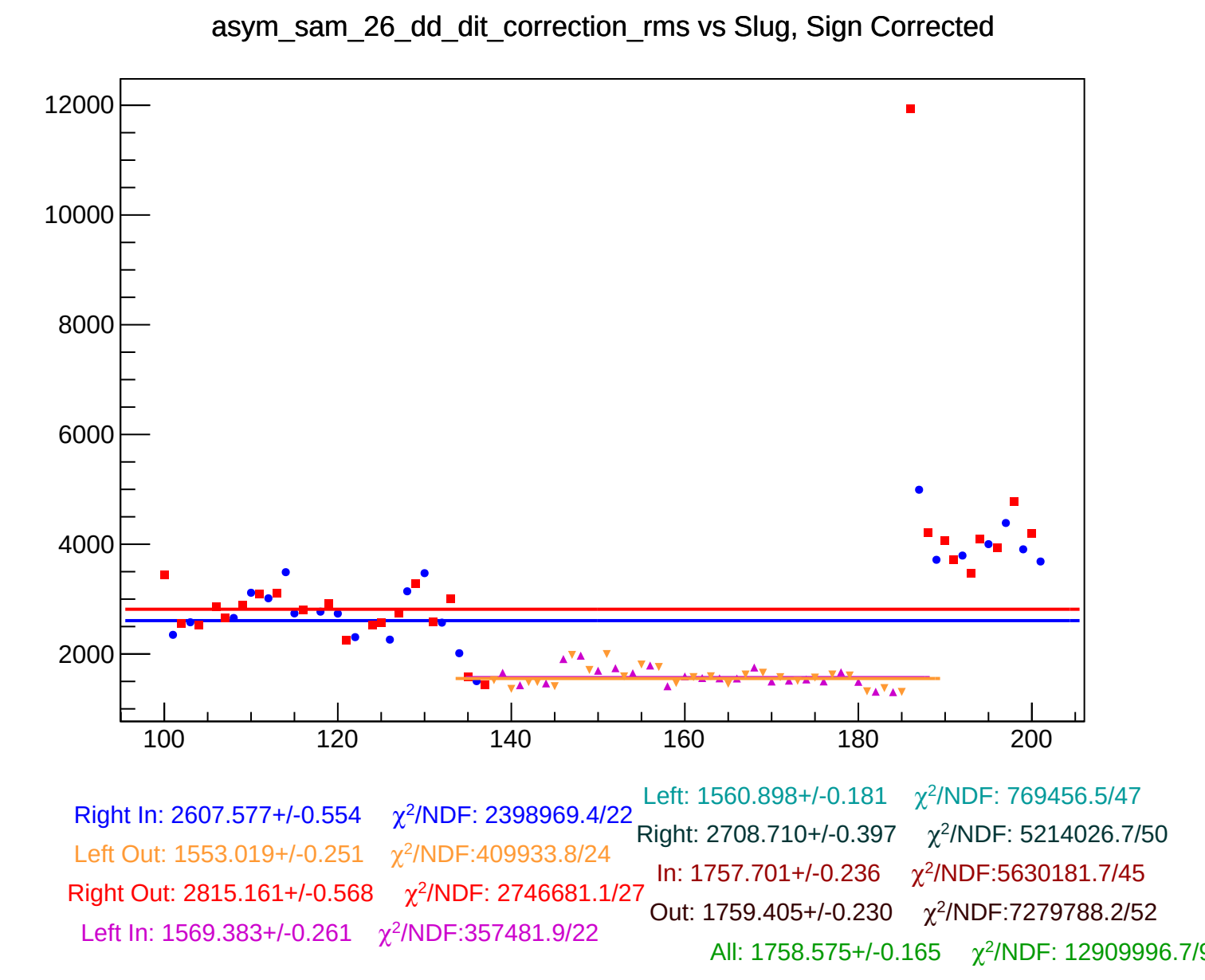
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

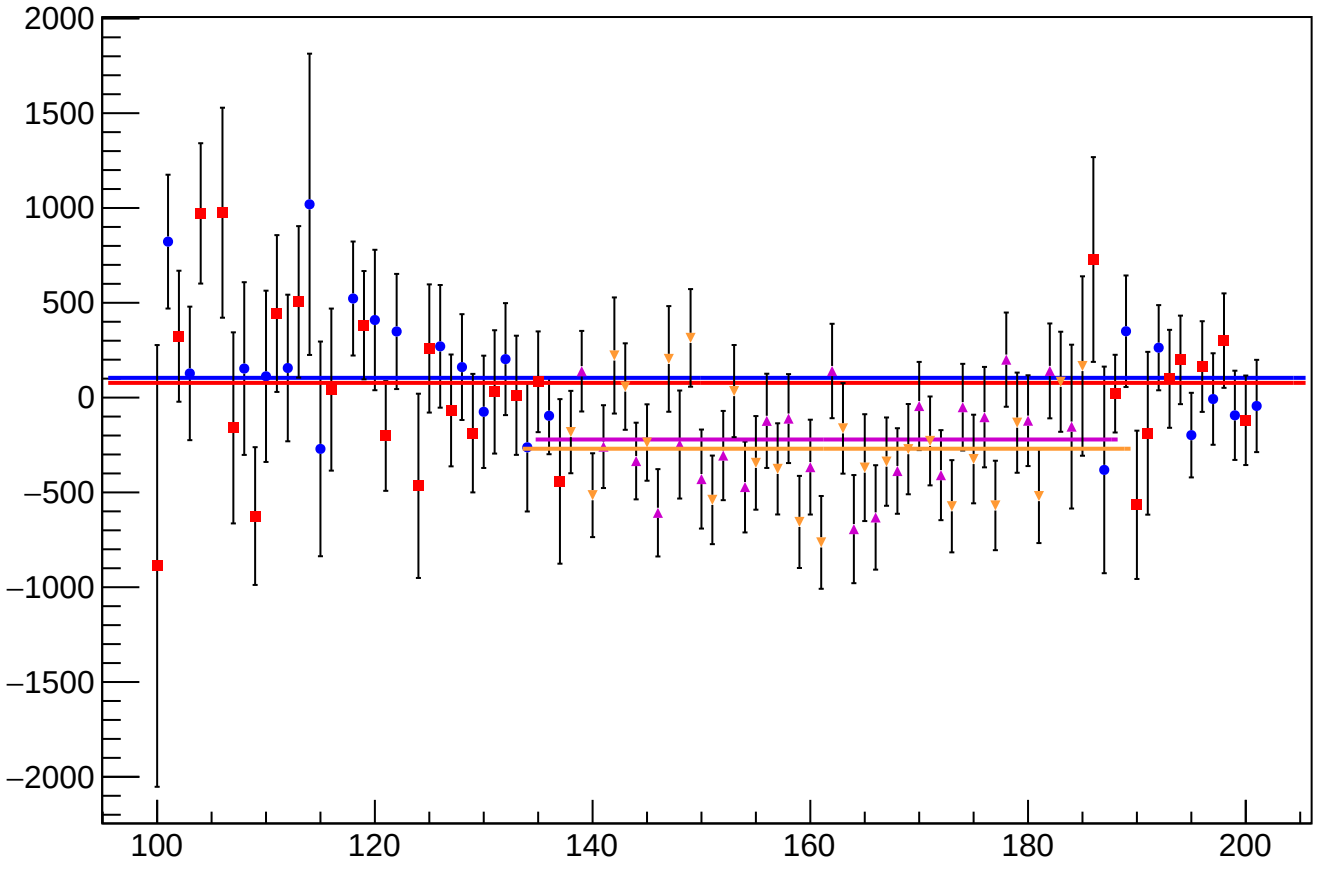
Right: -499.627+/-561.159 χ^2/NDF: 52.1/50

In: -389.606+/-333.746 χ^2/NDF:59.1/45

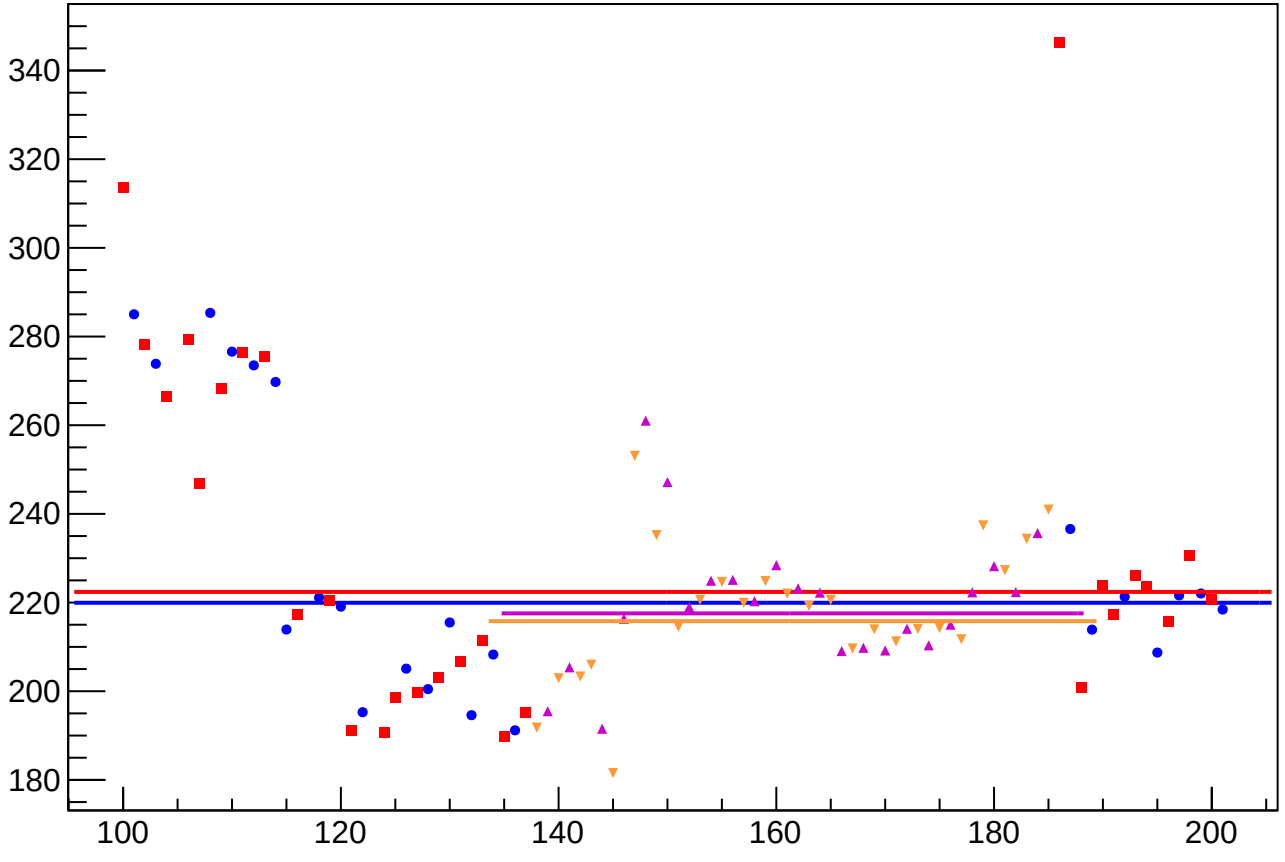
Out: -417.701+/-325.103 χ^2/NDF:66.6/52

All: -404.022+/-232.878 χ^2/NDF: 125.7/98


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: 2815.161+/-0.568 χ²/NDF: 2746681.1/27
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2708.710+/-0.397 χ²/NDF: 5214026.7/50
In: 1757.701+/-0.236 χ²/NDF:5630181.7/45
Out: 1759.405+/-0.230 χ²/NDF:7279788.2/52
All: 1758.575+/-0.165 χ²/NDF: 12909996.7/9


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 104.201+/-63.029 χ²/NDF: 17.3/22
Left Out: -269.680+/-49.158 χ²/NDF:31.5/24
Right Out: 77.635+/-60.760 χ²/NDF: 28.1/27
Left In: -220.927+/-50.956 χ²/NDF:23.4/22
Left: -246.179+/-35.378 χ²/NDF: 55.3/47
Right: 90.432+/-43.744 χ²/NDF: 45.5/50
In: -92.419+/-39.626 χ²/NDF:56.7/45
Out: -132.280+/-38.216 χ²/NDF:79.4/52
All: -113.071+/-27.508 χ²/NDF: 136.6/98

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 222.406+/-0.043 χ^2/NDF: 459121.5/27

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

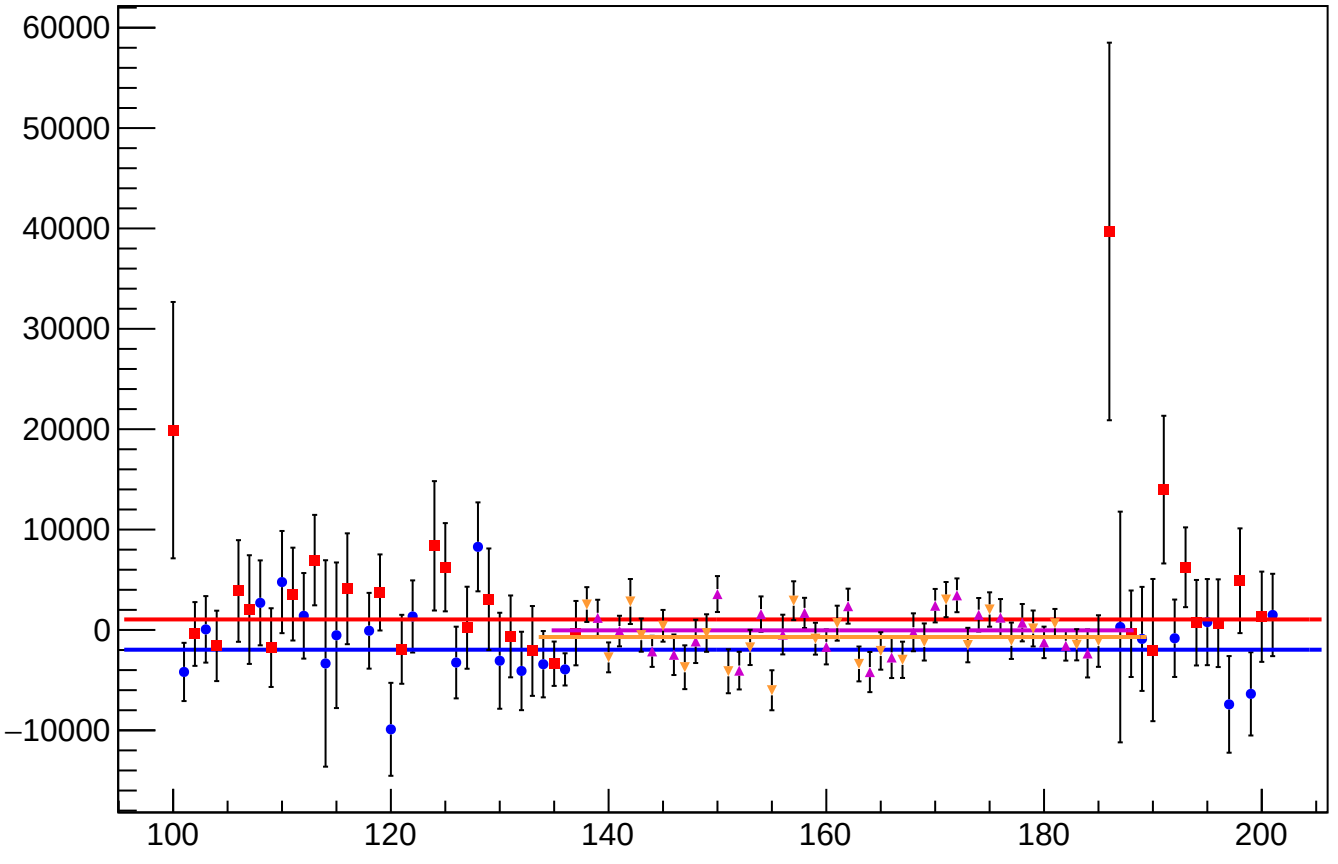
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.224+/-0.031 χ^2/NDF: 787989.1/50

In: 218.502+/-0.028 χ^2/NDF:490113.3/45

Out: 218.417+/-0.027 χ^2/NDF:662087.5/52

All: 218.458+/-0.019 χ^2/NDF: 1152205.5/98



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: 1046.909+/-803.960 χ^2/NDF: 25.0/27

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

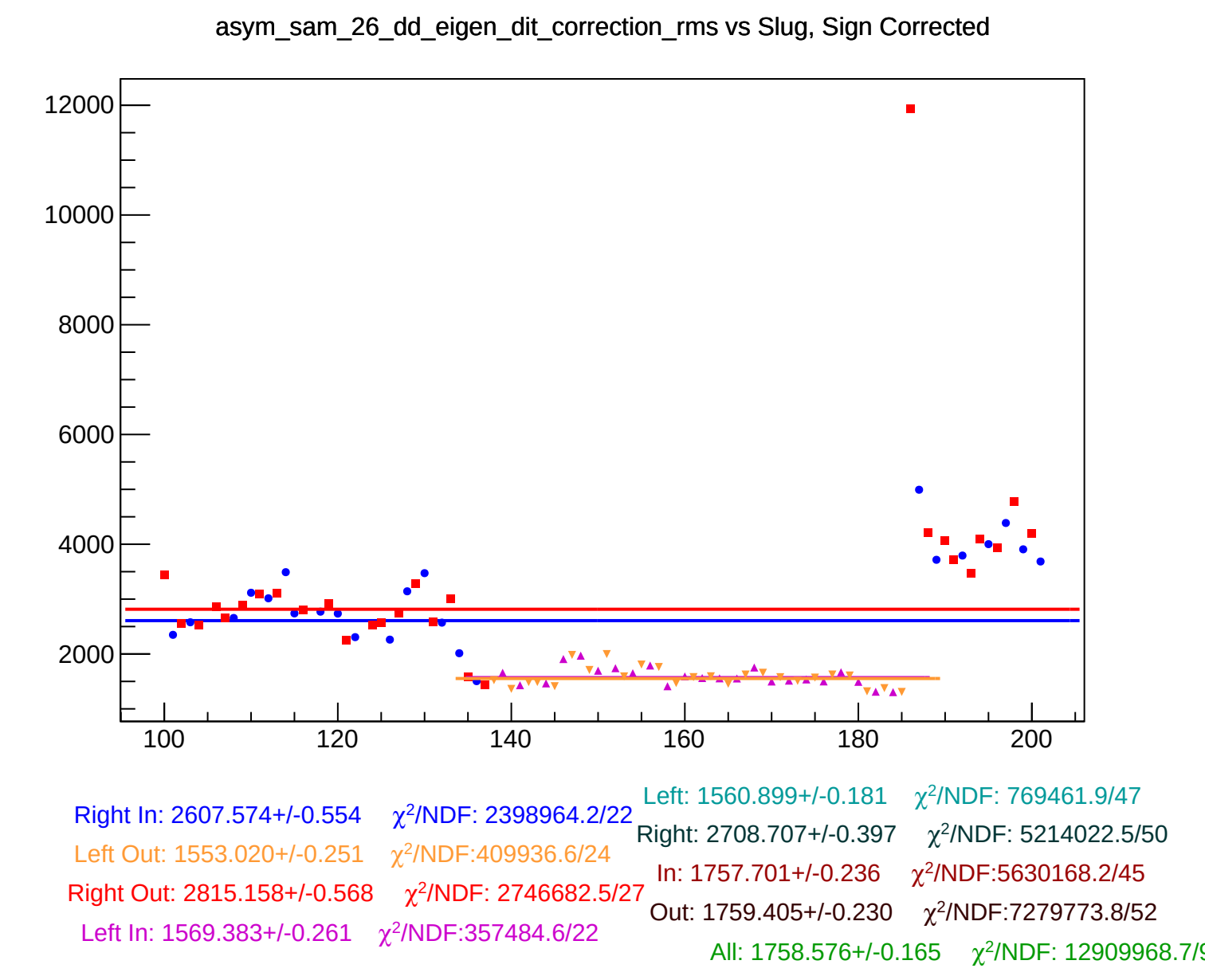
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -499.625+/-561.158 χ^2/NDF: 52.1/50

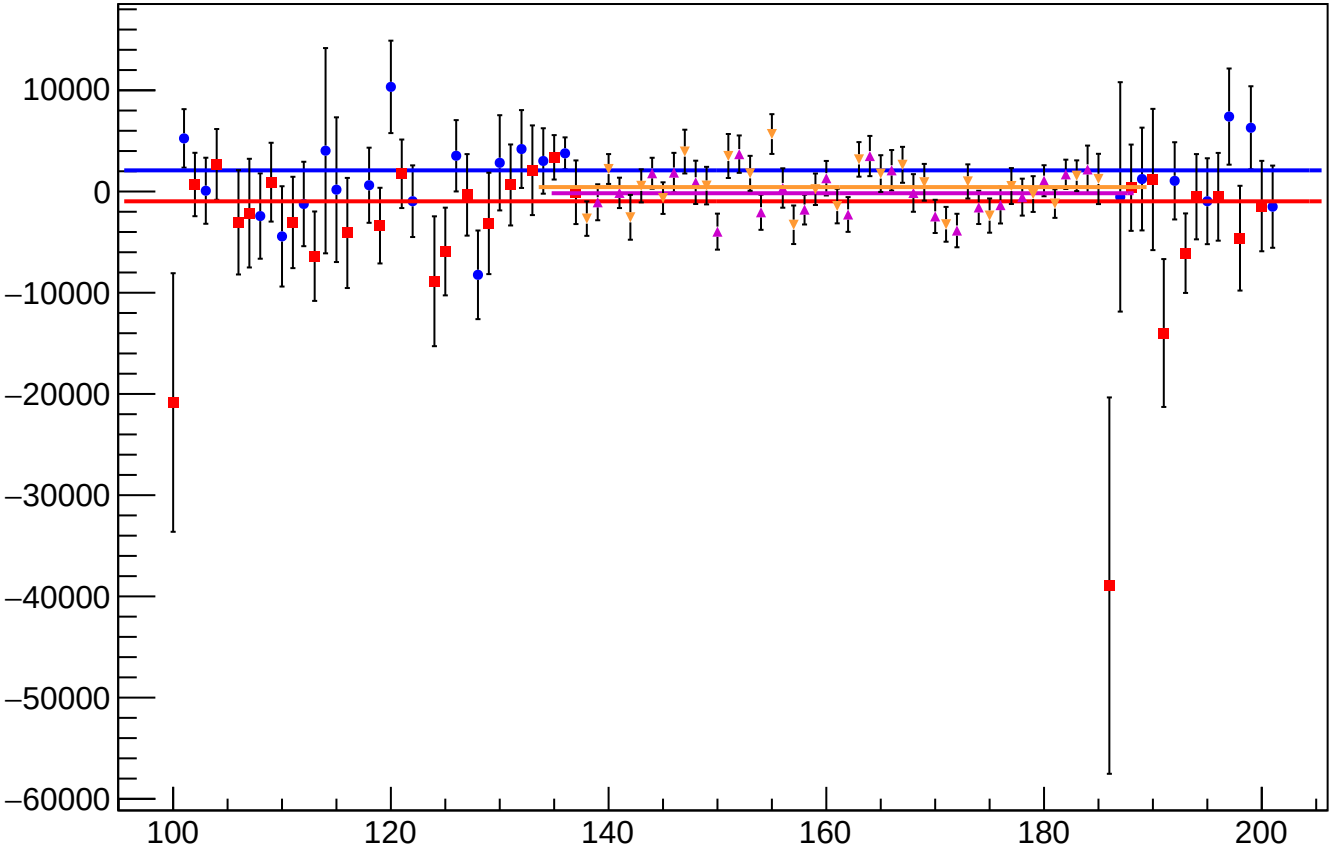
In: -389.606+/-333.746 χ^2/NDF:59.1/45

Out: -417.701+/-325.103 χ^2/NDF:66.6/52

All: -404.022+/-232.878 χ^2/NDF: 125.7/98


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2607.574+/-0.554 χ²/NDF: 2398964.2/22
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2815.158+/-0.568 χ²/NDF: 2746682.5/27
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2708.707+/-0.397 χ²/NDF: 5214022.5/50
In: 1757.701+/-0.236 χ²/NDF:5630168.2/45
Out: 1759.405+/-0.230 χ²/NDF:7279773.8/52
All: 1758.576+/-0.165 χ²/NDF: 12909968.7/9

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: -968.332+/-795.147 χ^2/NDF: 24.8/27

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

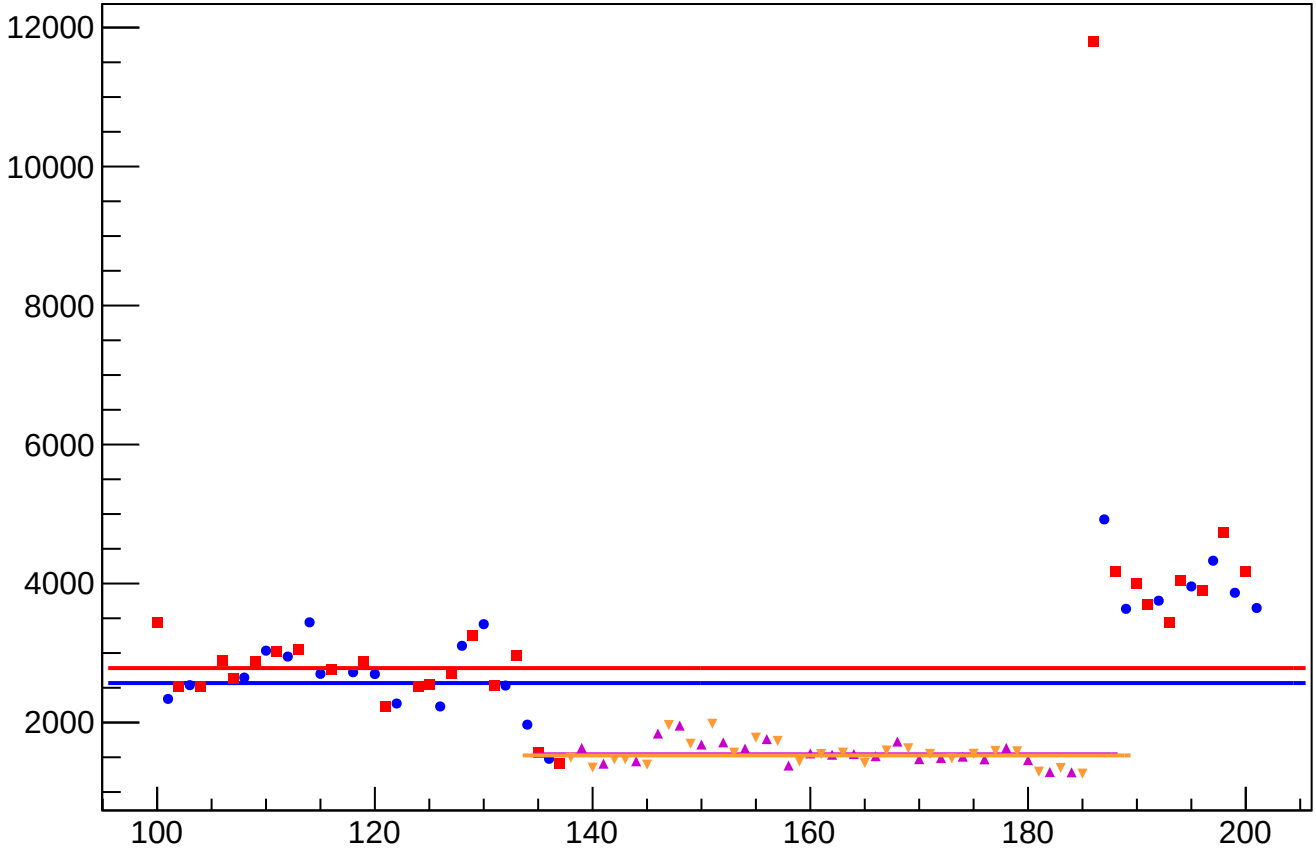
Right: 605.464+/-553.967 χ^2/NDF: 52.8/50

In: 238.290+/-328.180 χ^2/NDF:60.4/45

Out: 209.805+/-320.019 χ^2/NDF:66.3/52

All: 223.688+/-229.118 χ^2/NDF: 126.7/98

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: 2783.257+/-0.562 χ^2/NDF: 2753944.8/27

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

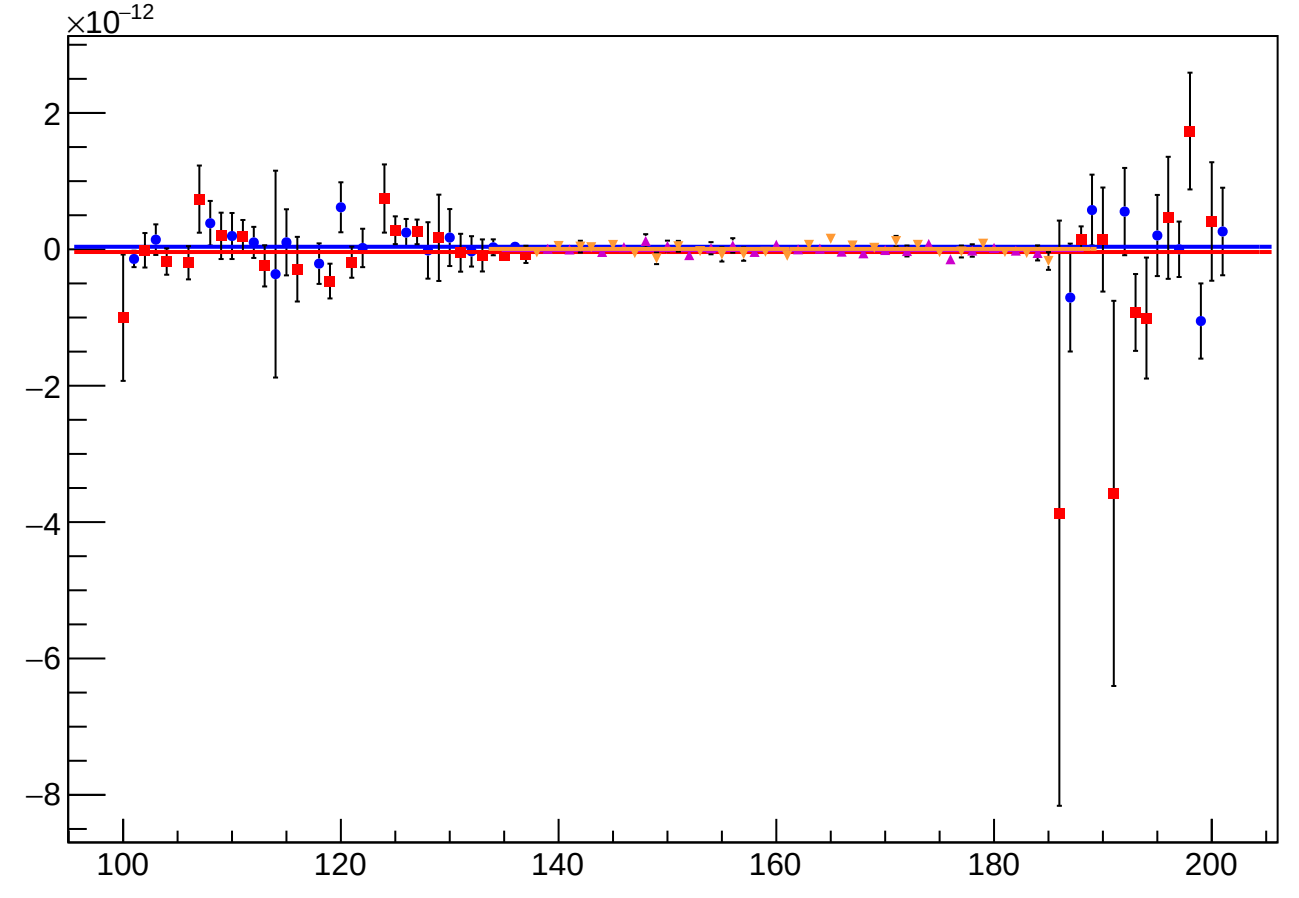
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2672.418+/-0.392 χ^2/NDF: 5249734.1/50

In: 1727.504+/-0.232 χ^2/NDF:5673366.4/45

Out: 1730.256+/-0.226 χ^2/NDF:7368813.5/52

All: 1728.915+/-0.162 χ^2/NDF: 13042252.0/9



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/27

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

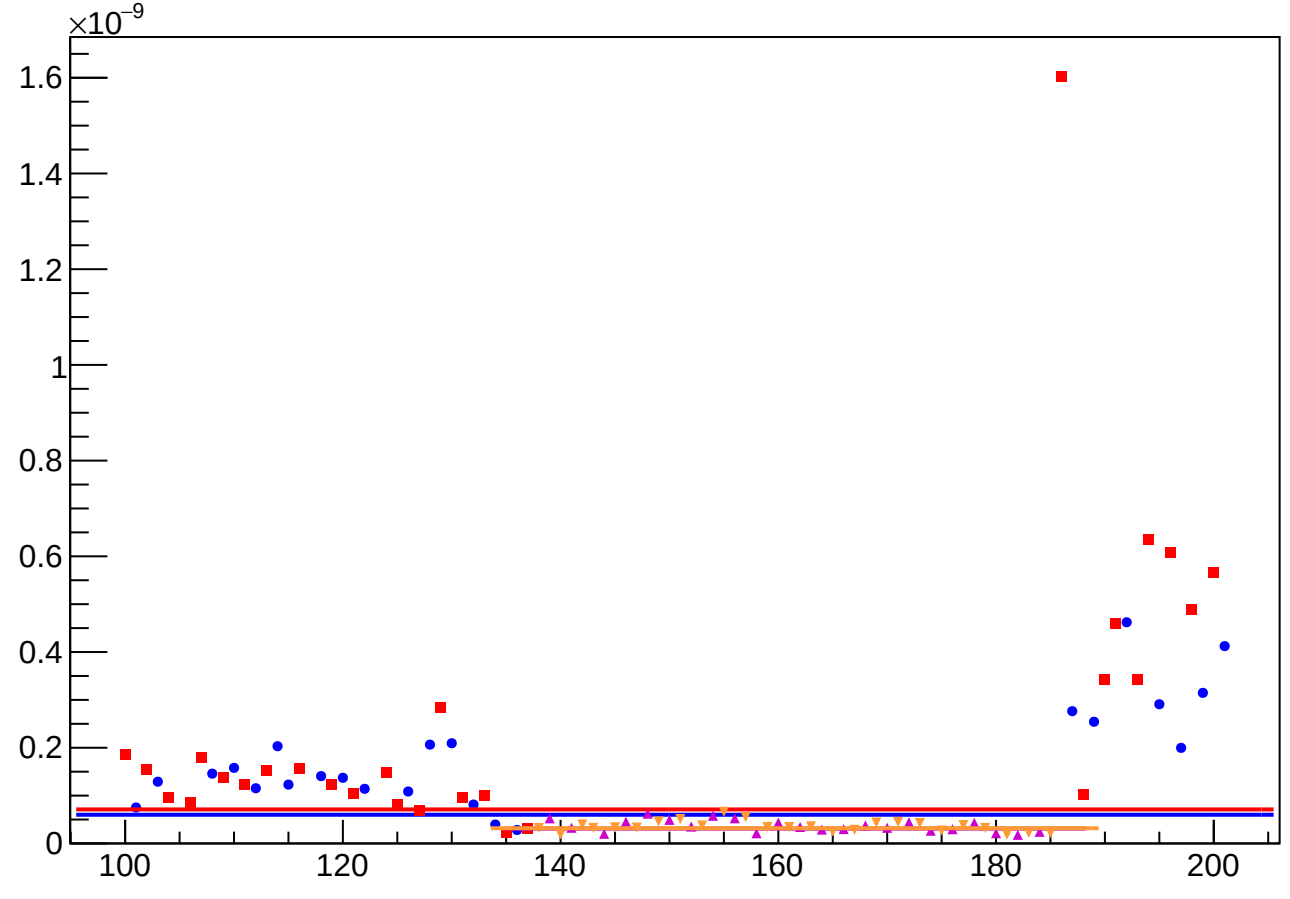
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.3/50

In: -0.000+/-0.000 χ^2/NDF:33.7/45

Out: 0.000+/-0.000 χ^2/NDF:62.1/52

All: -0.000+/-0.000 χ^2/NDF: 96.0/98



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: 6229322.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

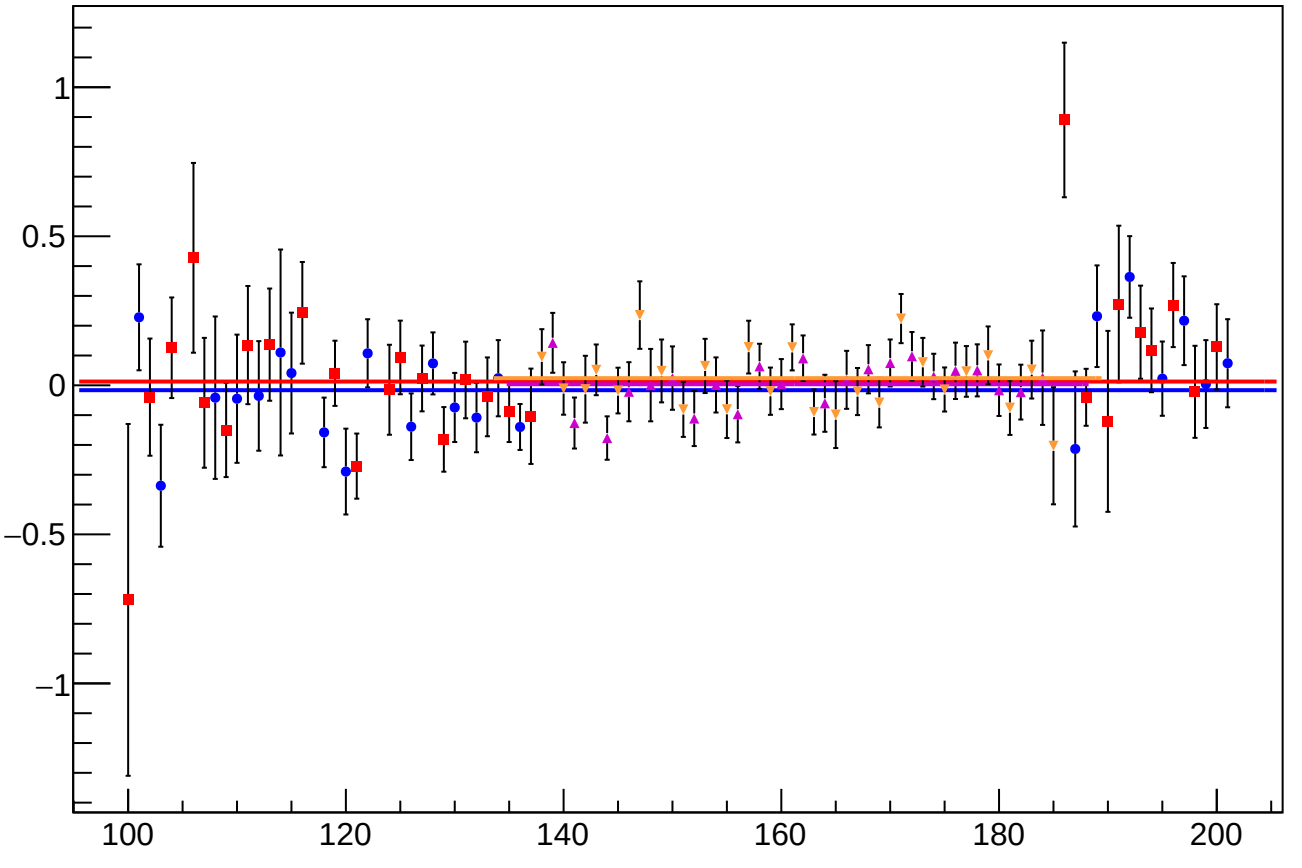
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11746713.1/50

In: 0.000+/-0.000 χ^2/NDF:8193616.0/45

Out: 0.000+/-0.000 χ^2/NDF:9084548.4/52

All: 0.000+/-0.000 χ^2/NDF: 17281444.1/98



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: 0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

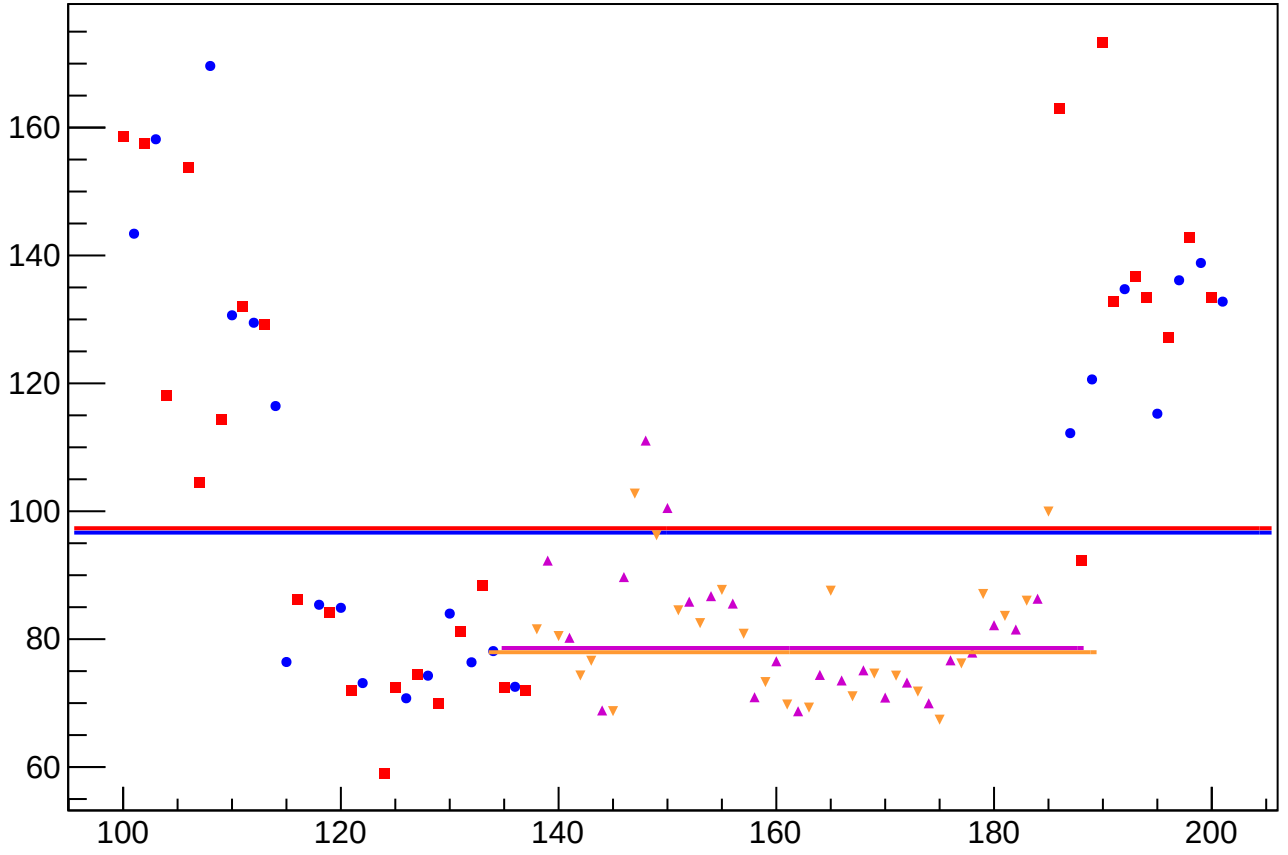
Right: -0.001+/-0.020 χ^2/NDF: 68.5/50

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.010+/-0.011 χ^2/NDF: 114.0/98

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

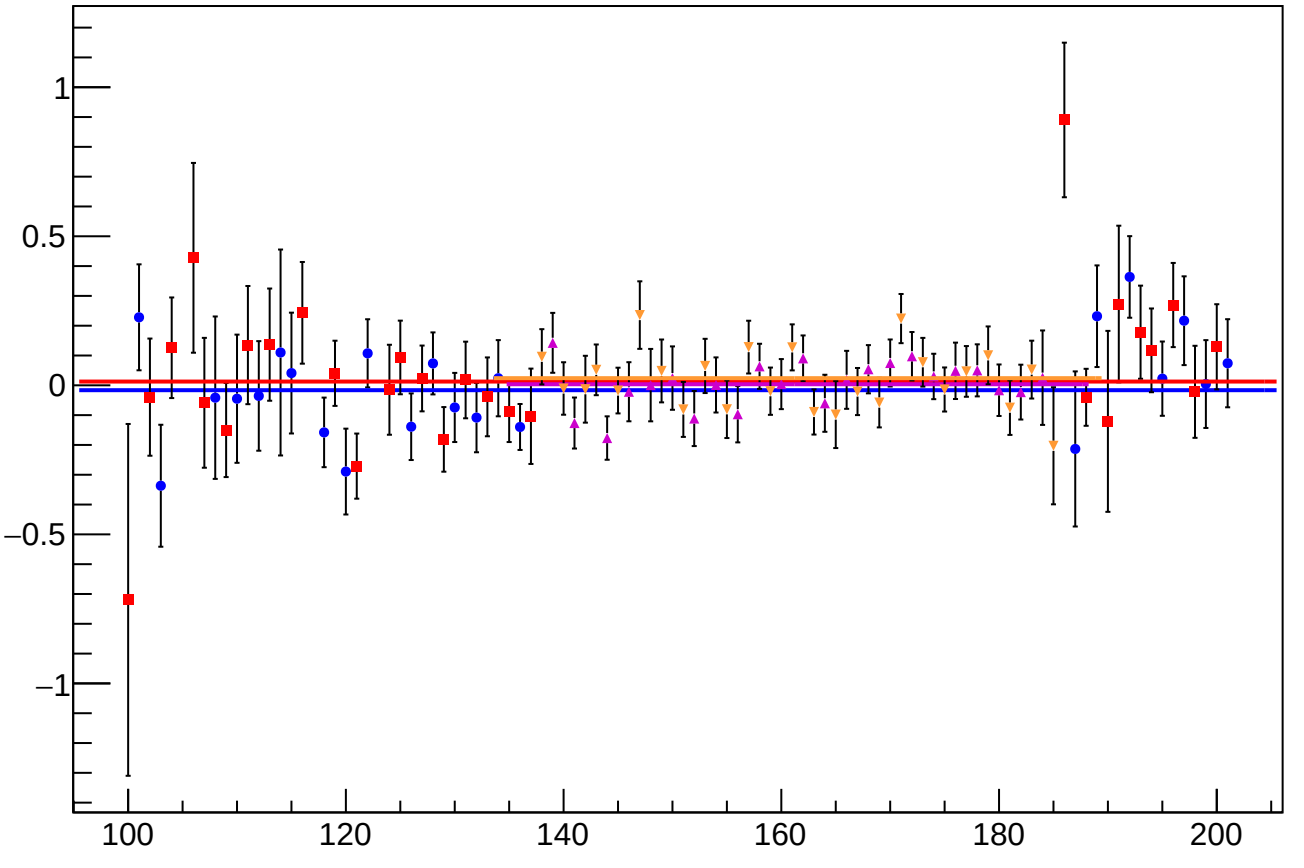
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 97.019+/-0.014 χ^2/NDF: 4081972.1/50

In: 83.912+/-0.011 χ^2/NDF:2964306.0/45

Out: 83.648+/-0.011 χ^2/NDF:3301533.1/52

All: 83.775+/-0.008 χ^2/NDF: 6266136.8/98



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: 0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

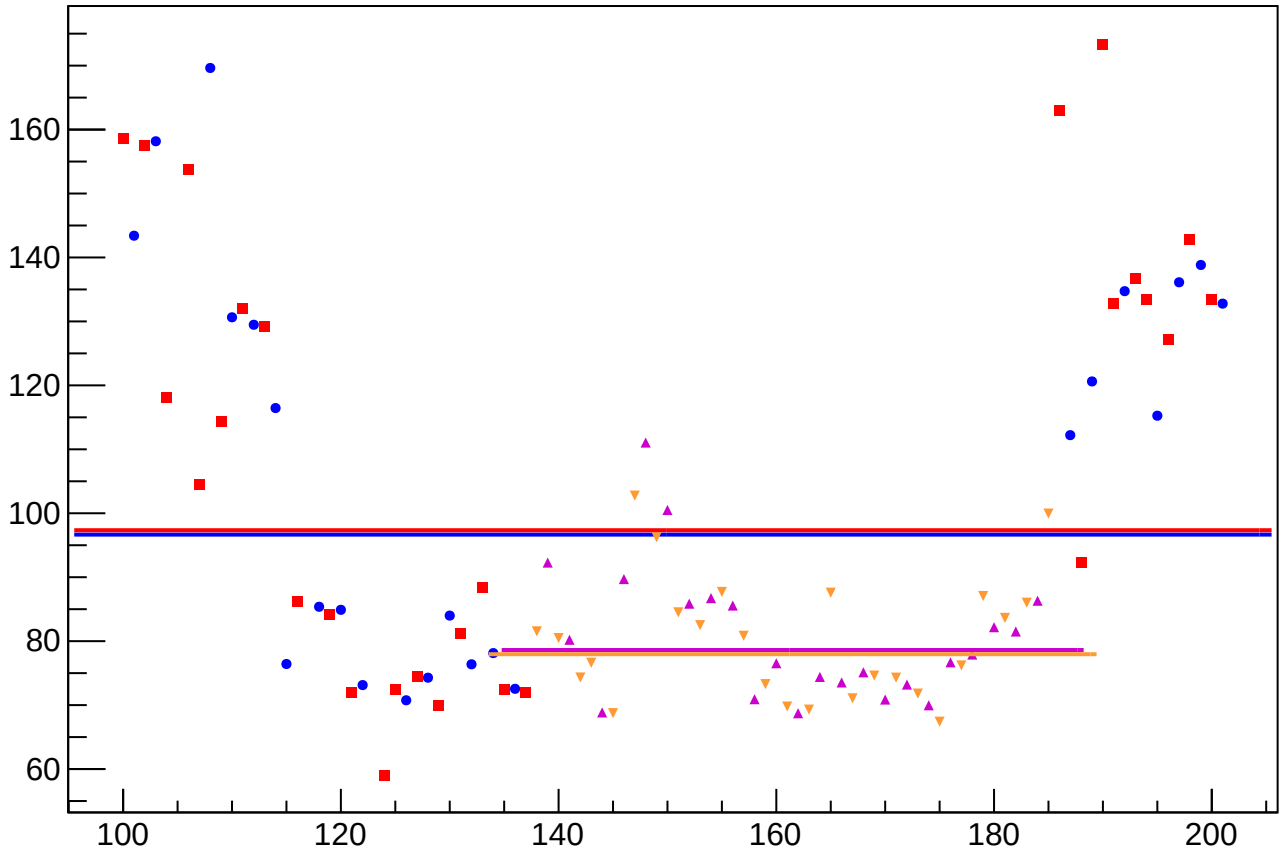
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.001+/-0.020 χ^2/NDF: 68.5/50

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.010+/-0.011 χ^2/NDF: 114.0/98



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: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

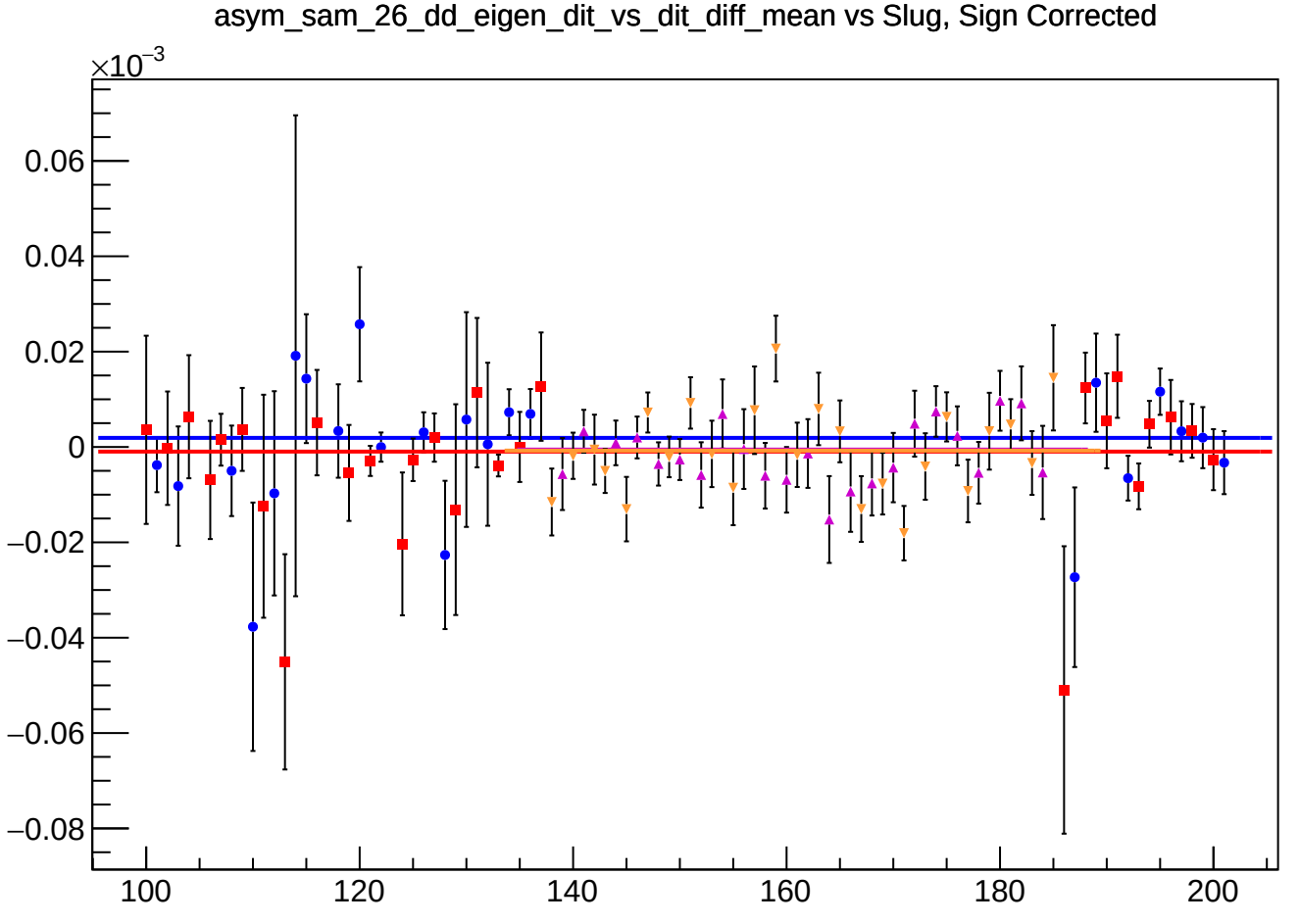
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 97.019+/-0.014 χ^2/NDF: 4081972.1/50

In: 83.912+/-0.011 χ^2/NDF:2964306.0/45

Out: 83.648+/-0.011 χ^2/NDF:3301533.1/52

All: 83.775+/-0.008 χ^2/NDF: 6266136.8/98



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: 27.1/27

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

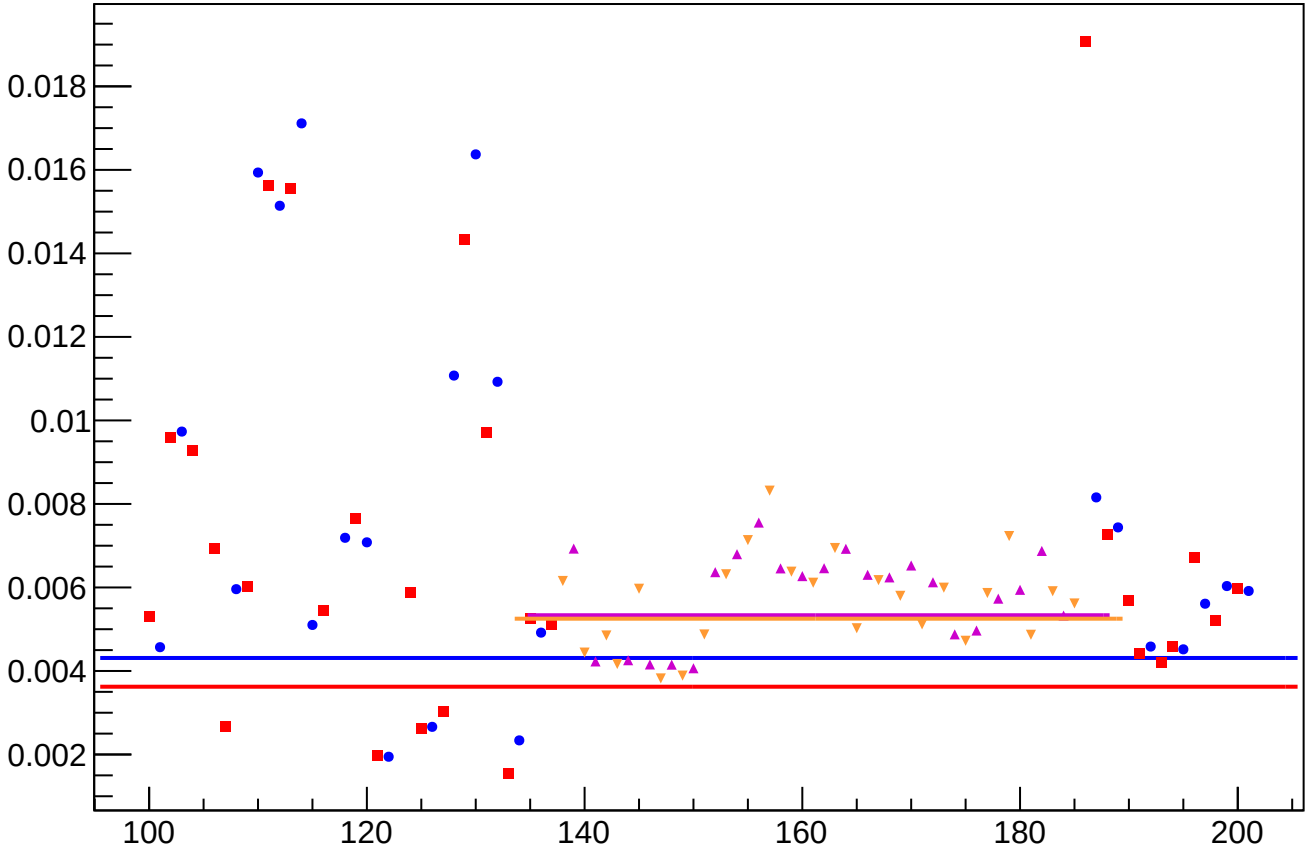
Right: 0.000+/-0.000 χ^2/NDF: 56.0/50

In: 0.000+/-0.000 χ^2/NDF:46.8/45

Out: -0.000+/-0.000 χ^2/NDF:74.7/52

All: -0.000+/-0.000 χ^2/NDF: 122.7/98

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 7952760.4/27

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

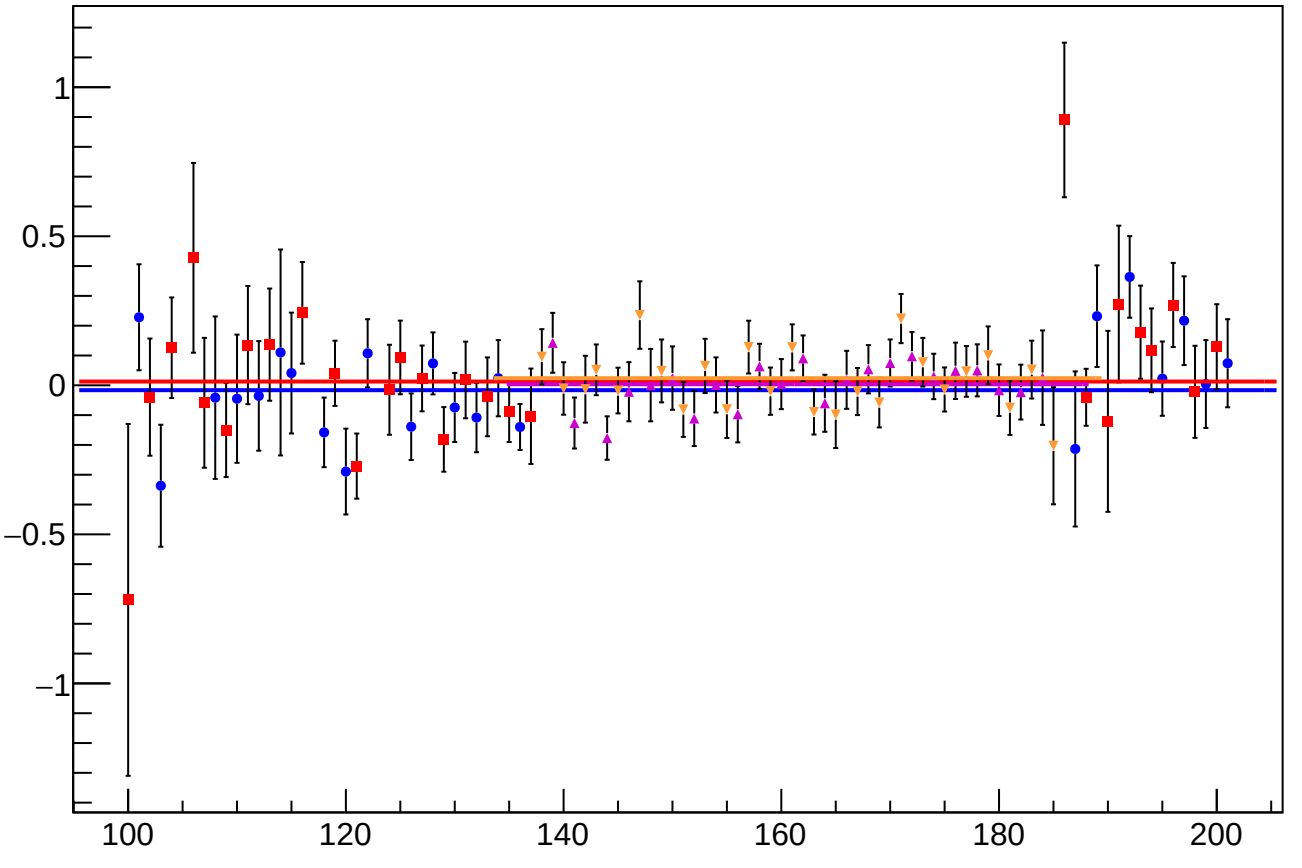
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 13733569.0/50

In: 0.005+/-0.000 χ^2/NDF:7586624.0/45

Out: 0.004+/-0.000 χ^2/NDF:11288473.0/52

All: 0.005+/-0.000 χ^2/NDF: 19135293.0/98



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: 0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

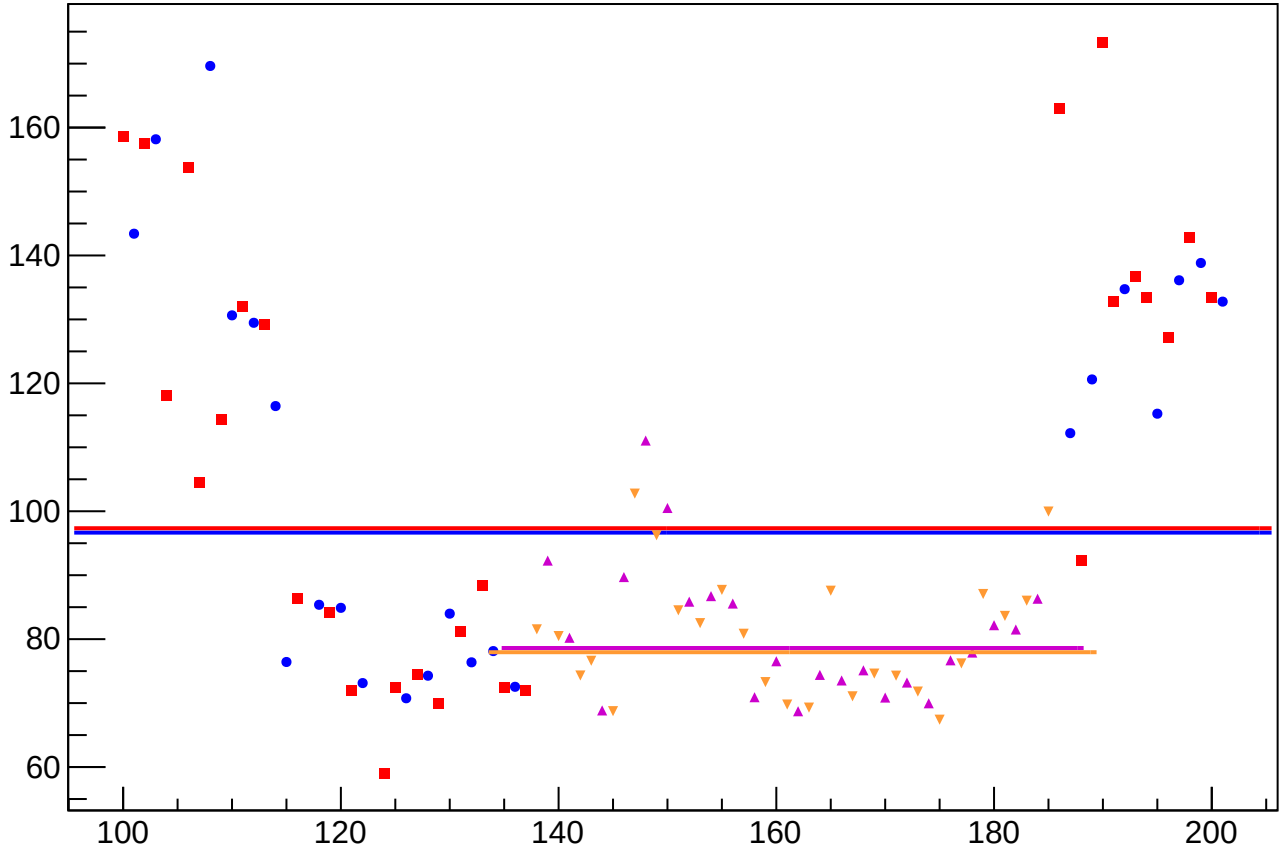
Right: -0.001+/-0.020 χ^2/NDF: 68.5/50

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.010+/-0.011 χ^2/NDF: 114.0/98

asym_sam_26_dd_eigen_dit_vs_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: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

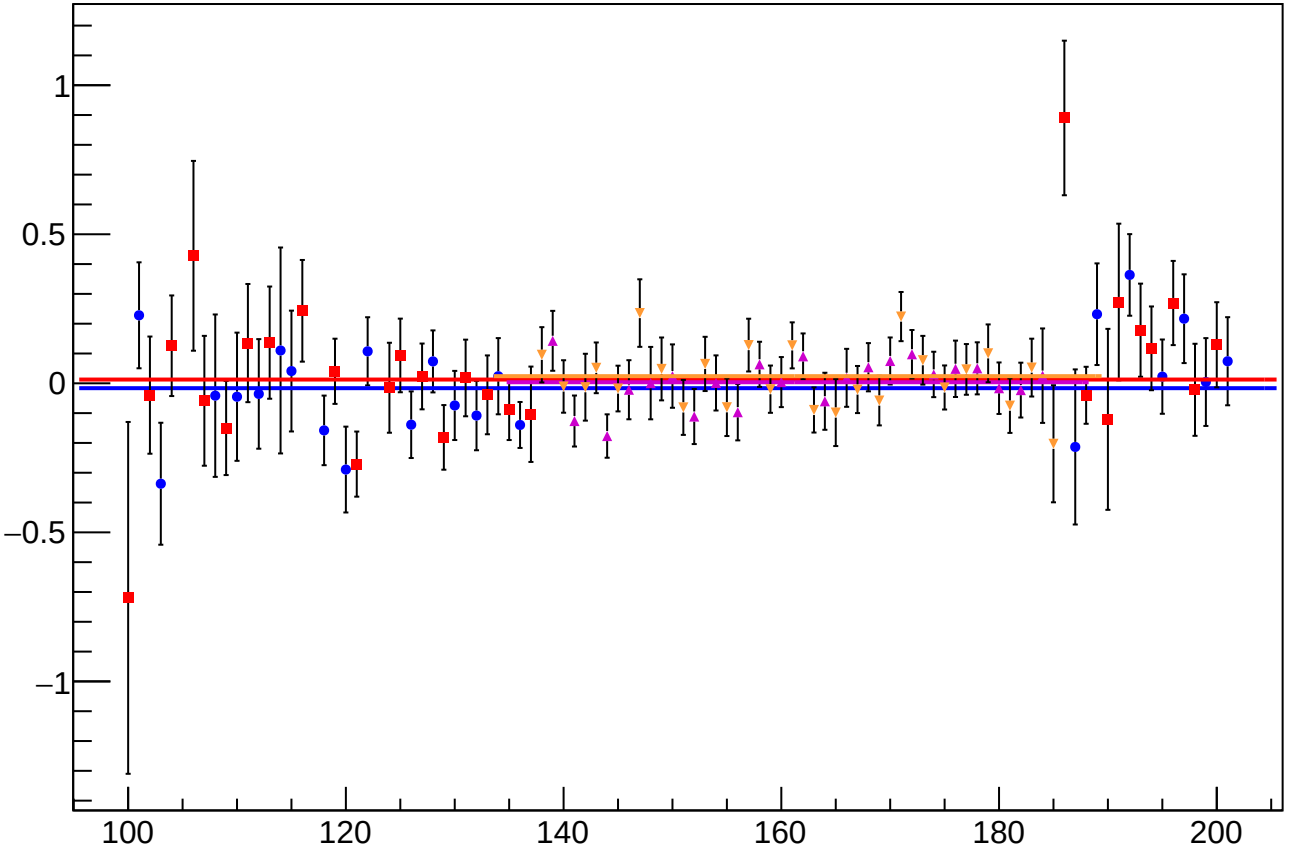
Right: 97.016+/-0.014 χ^2/NDF: 4082112.5/50

In: 83.911+/-0.011 χ^2/NDF:2964338.6/45

Out: 83.647+/-0.011 χ^2/NDF:3301540.2/52

All: 83.774+/-0.008 χ^2/NDF: 6266175.8/98

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: 0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

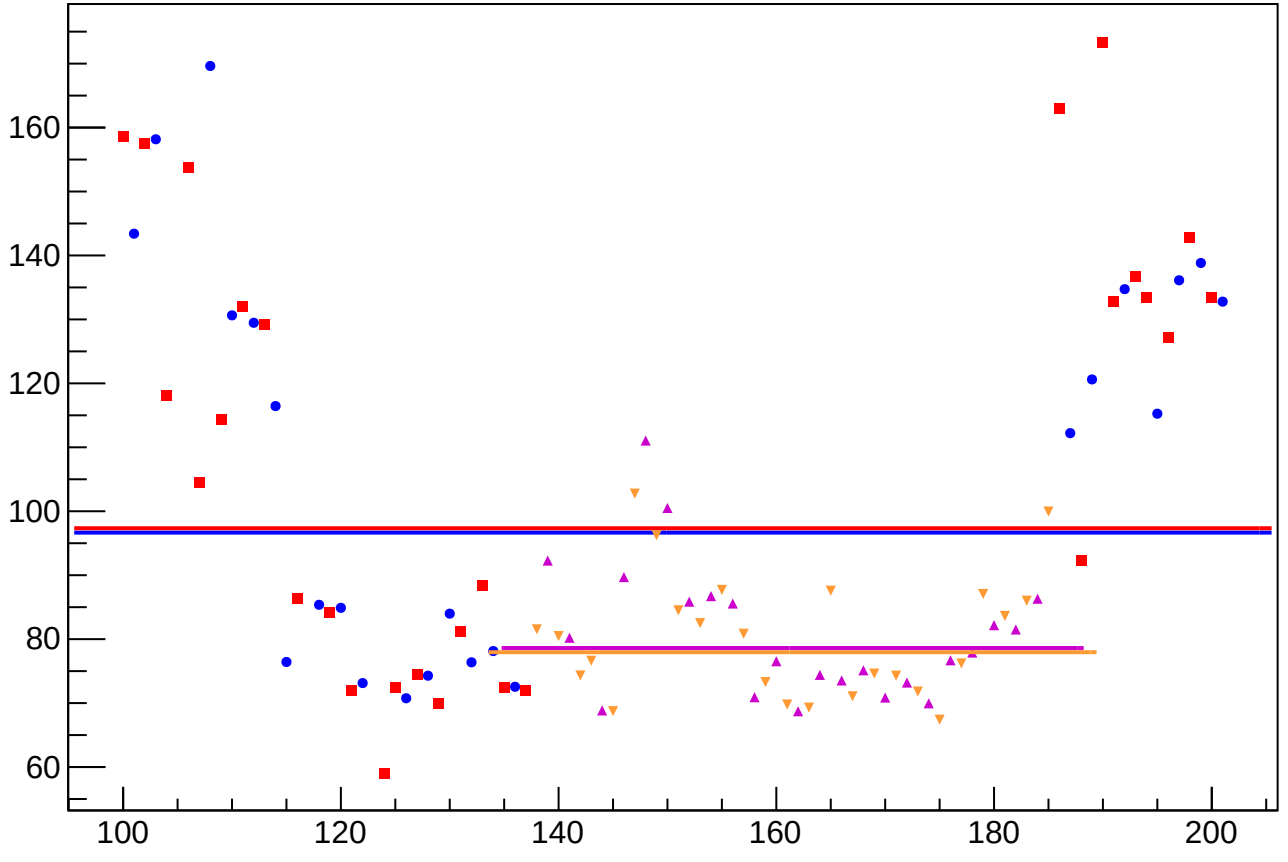
Right: -0.001+/-0.020 χ^2/NDF: 68.5/50

In: -0.002+/-0.016 χ^2/NDF:48.9/45

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.010+/-0.011 χ^2/NDF: 114.0/98

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: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

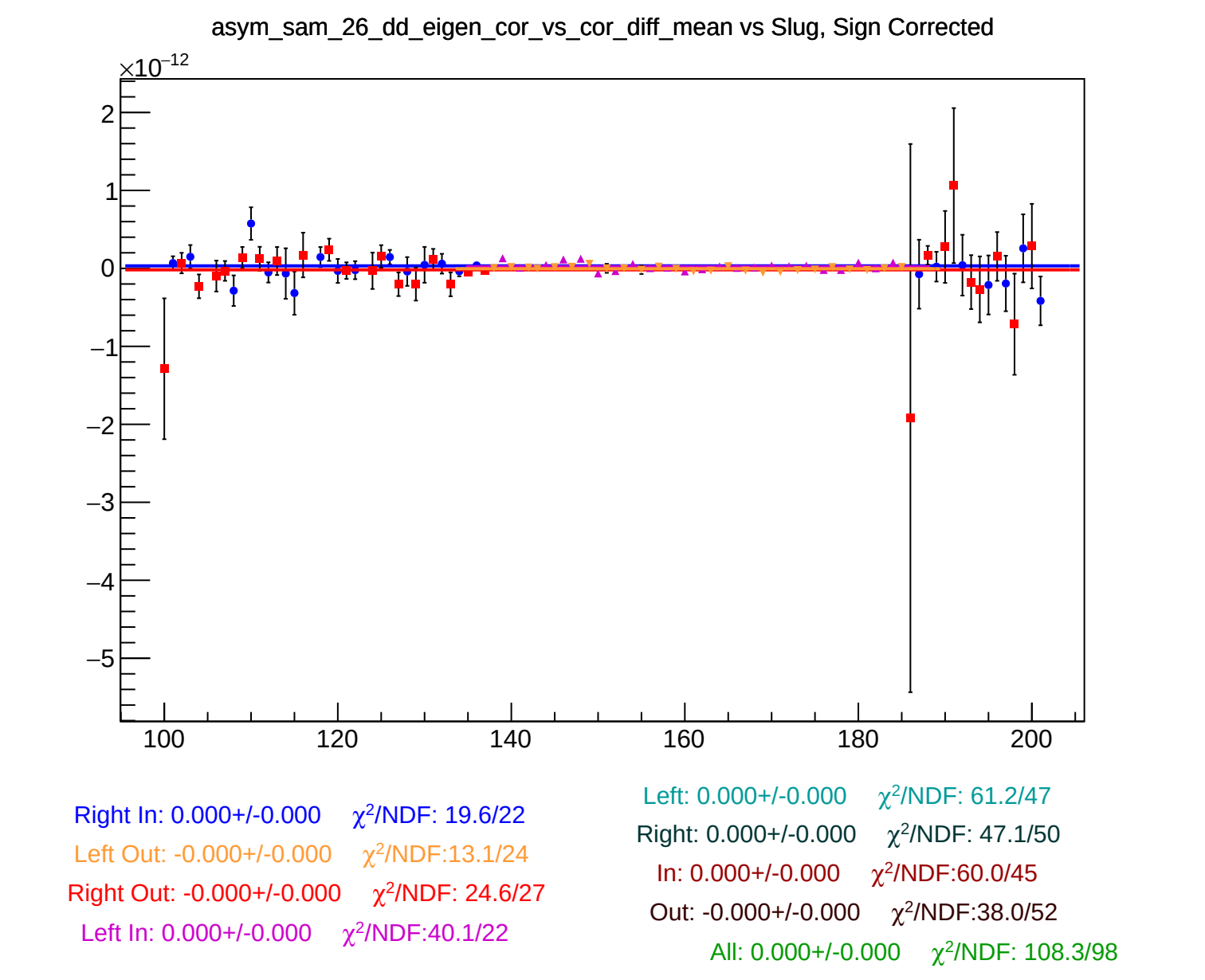
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

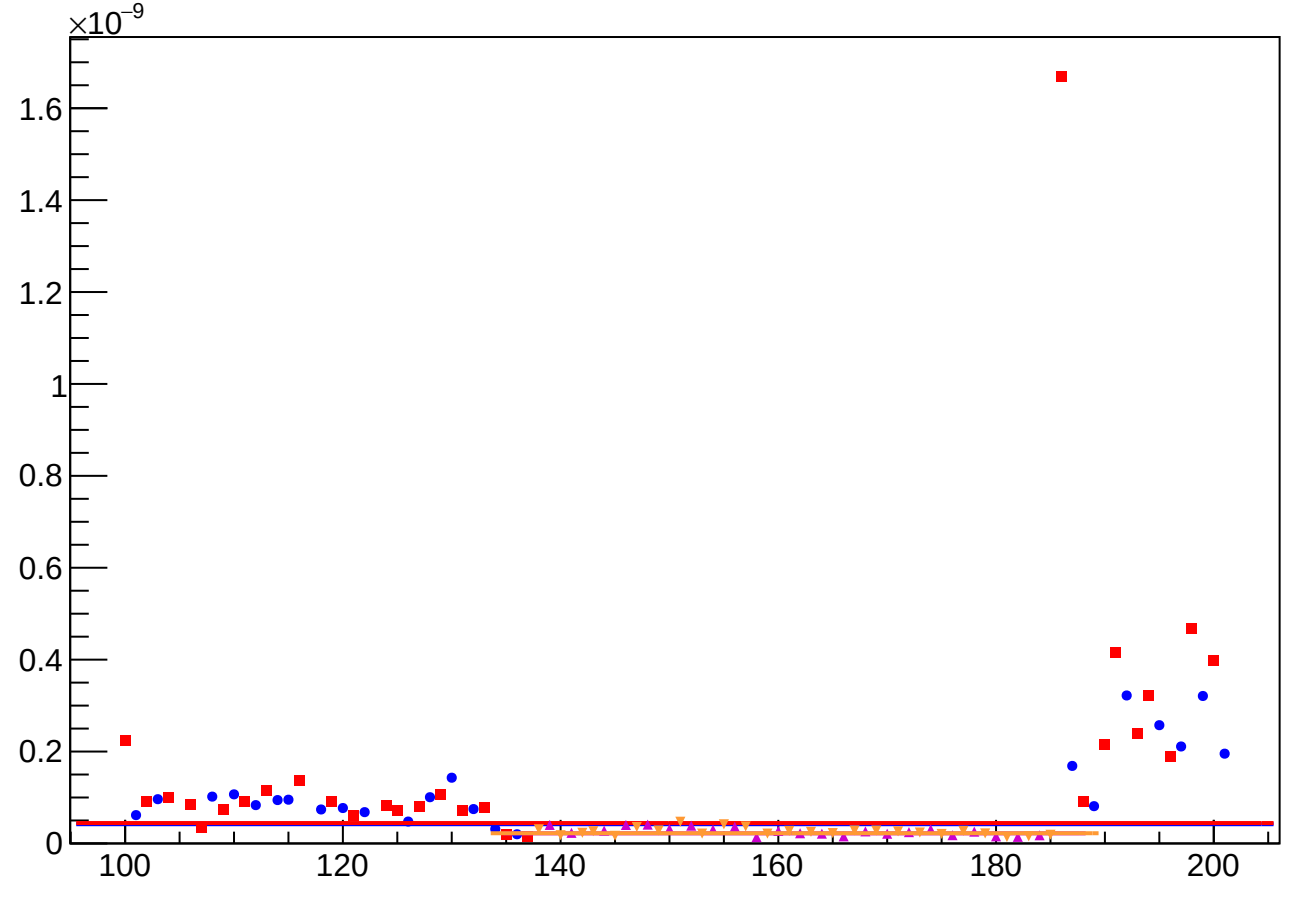
Right: 97.016+/-0.014 χ^2/NDF: 4082112.5/50

In: 83.911+/-0.011 χ^2/NDF:2964338.6/45

Out: 83.647+/-0.011 χ^2/NDF:3301540.2/52

All: 83.774+/-0.008 χ^2/NDF: 6266175.8/98


asym_sam_26_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: 19.6/22
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.6/27
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 47.1/50
In: 0.000+/-0.000 χ²/NDF:60.0/45
Out: -0.000+/-0.000 χ²/NDF:38.0/52
All: 0.000+/-0.000 χ²/NDF: 108.3/98



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: 9181668.5/27

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

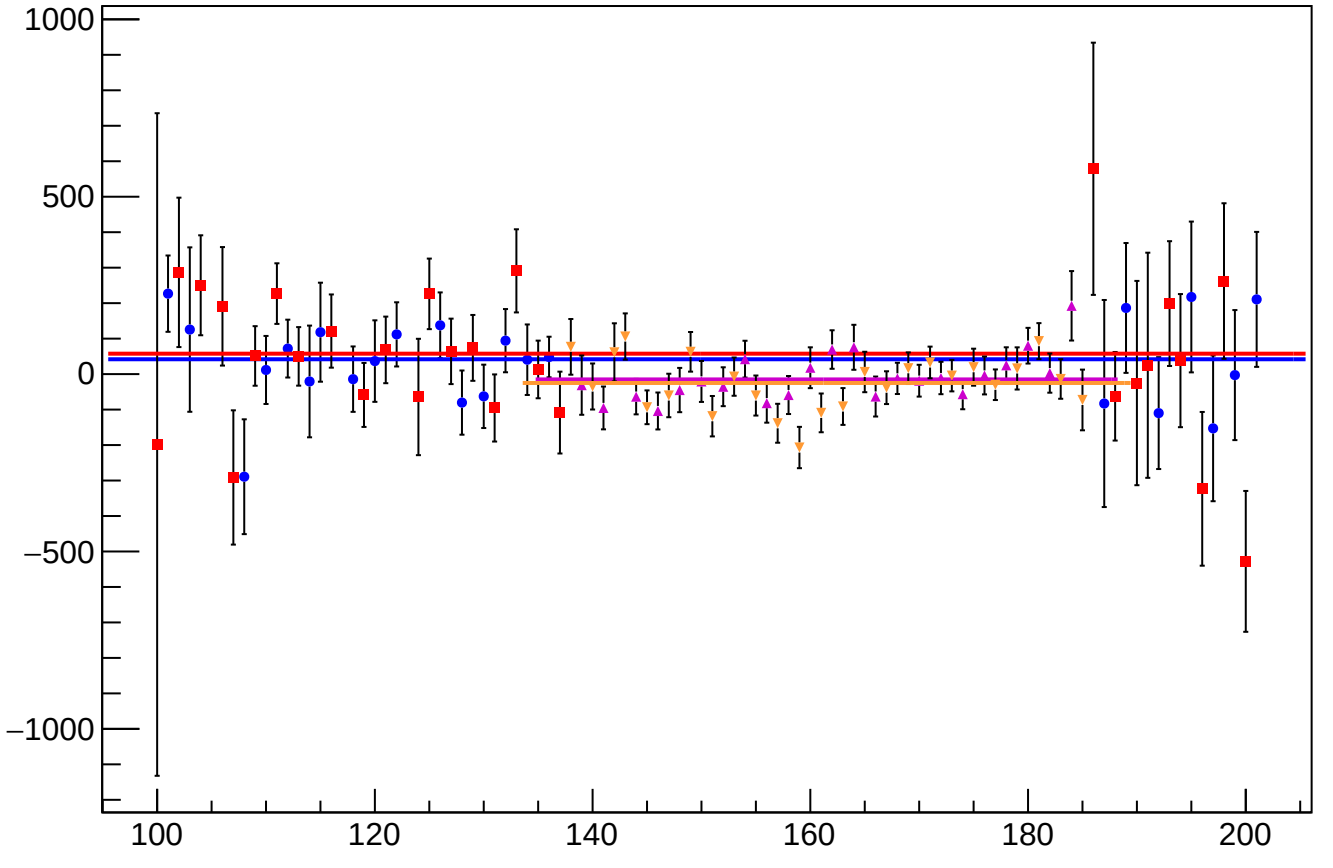
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16413054.8/50

In: 0.000+/-0.000 χ^2/NDF:11756082.5/45

Out: 0.000+/-0.000 χ^2/NDF:13430491.8/52

All: 0.000+/-0.000 χ^2/NDF: 25186896.1/98



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: 57.566+/-22.945 χ^2/NDF: 42.1/27

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

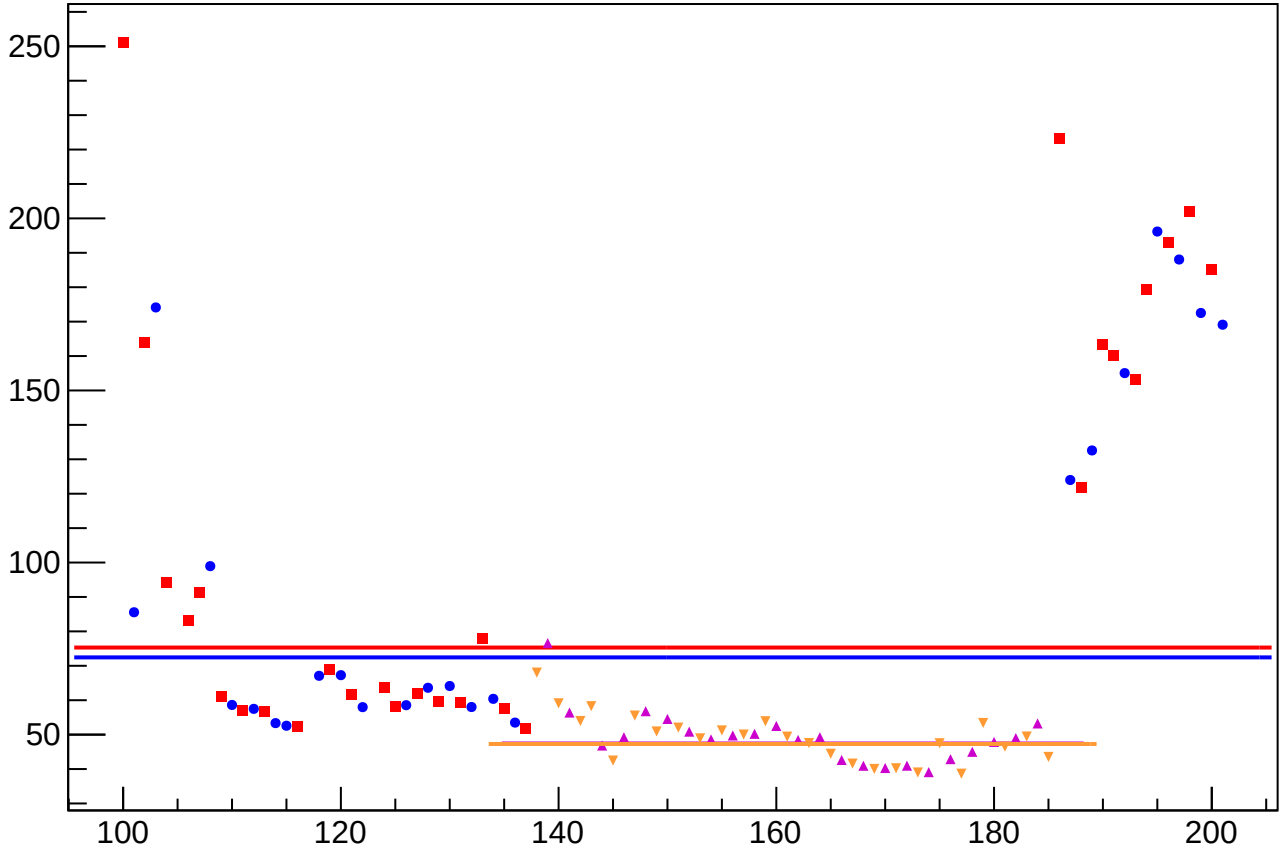
Right: 49.719+/-16.241 χ^2/NDF: 60.0/50

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -9.816+/-9.836 χ^2/NDF:95.7/52

All: -7.012+/-7.041 χ^2/NDF: 143.3/98

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: 75.302+/-0.016 χ^2/NDF: 5115490.8/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

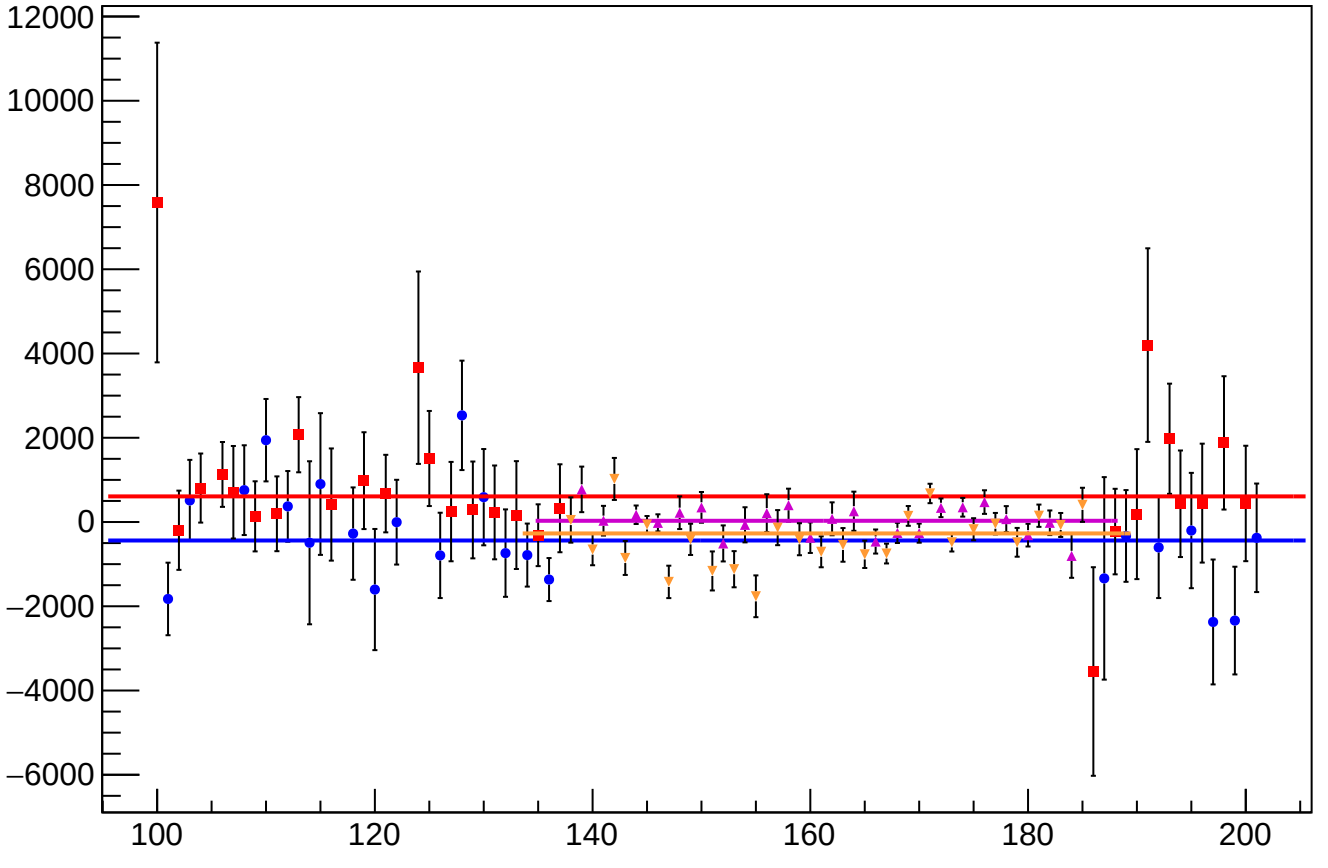
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 73.875+/-0.011 χ^2/NDF: 9474280.8/50

In: 52.235+/-0.007 χ^2/NDF:6911528.2/45

Out: 52.433+/-0.007 χ^2/NDF:8266934.0/52

All: 52.336+/-0.005 χ^2/NDF: 15178855.6/98



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: 608.241+/-209.861 χ^2/NDF: 20.3/27

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

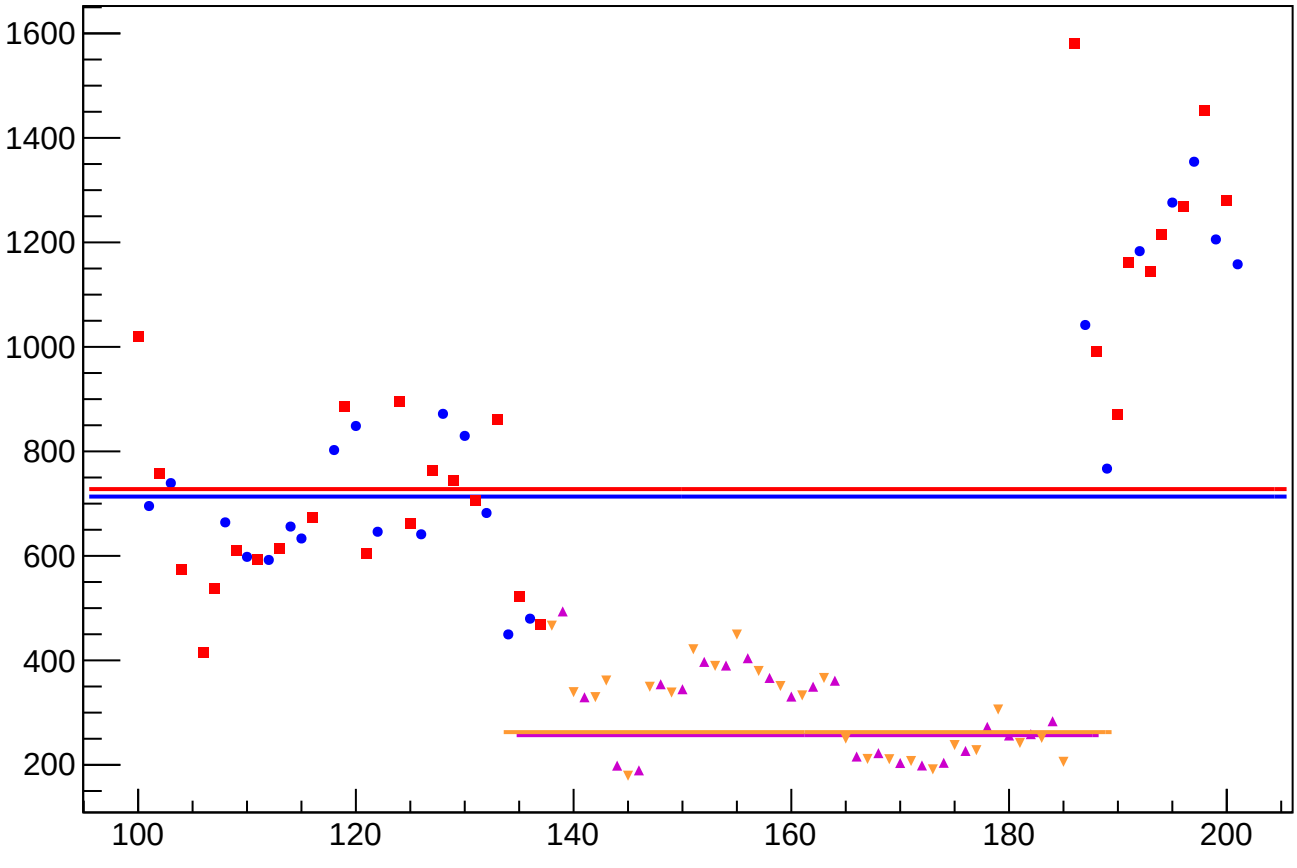
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 99.120+/-150.412 χ^2/NDF: 59.4/50

In: -7.225+/-60.182 χ^2/NDF:55.8/45

Out: -199.723+/-59.764 χ^2/NDF:110.3/52

All: -104.143+/-42.407 χ^2/NDF: 171.3/98



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: 727.838+/-0.148 χ^2/NDF: 2990153.7/27

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

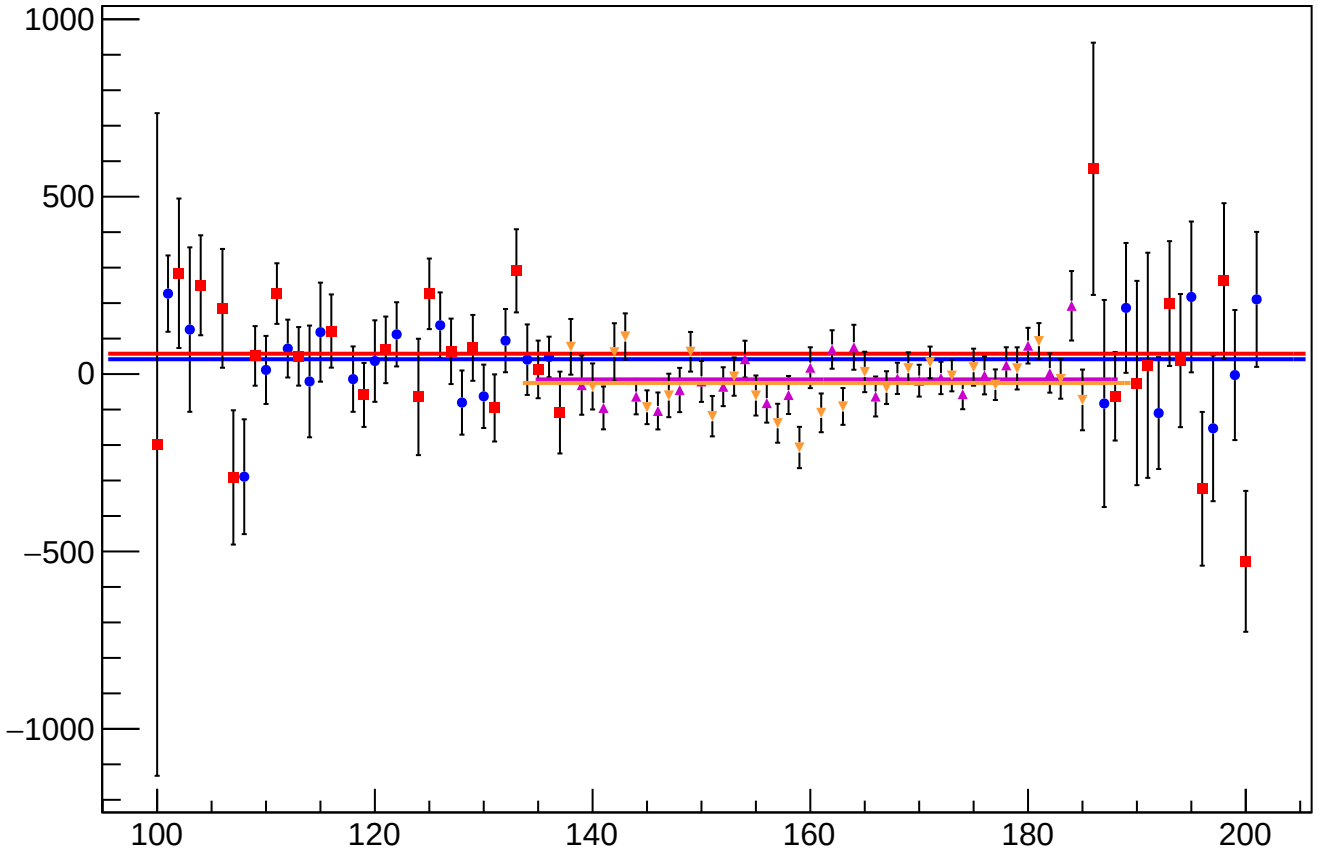
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 720.871+/-0.106 χ^2/NDF: 5441333.5/50

In: 292.395+/-0.043 χ^2/NDF:13353478.3/45

Out: 300.403+/-0.042 χ^2/NDF:14912371.6/52

All: 296.427+/-0.030 χ^2/NDF: 28283678.7/98



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: 57.403+/-22.946 χ^2/NDF: 42.0/27

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

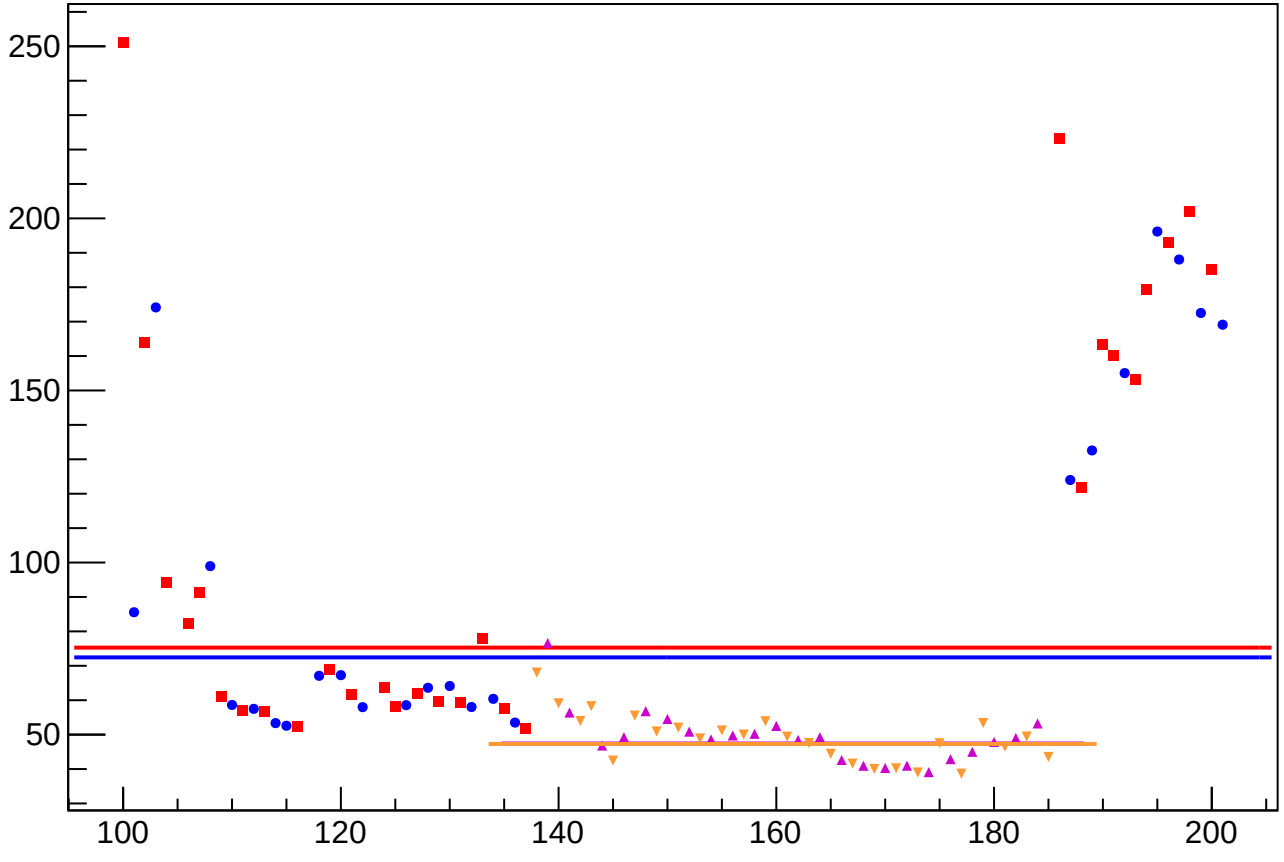
Right: 49.634+/-16.242 χ^2/NDF: 59.9/50

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -9.845+/-9.836 χ^2/NDF:95.6/52

All: -7.027+/-7.041 χ^2/NDF: 143.2/98

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: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

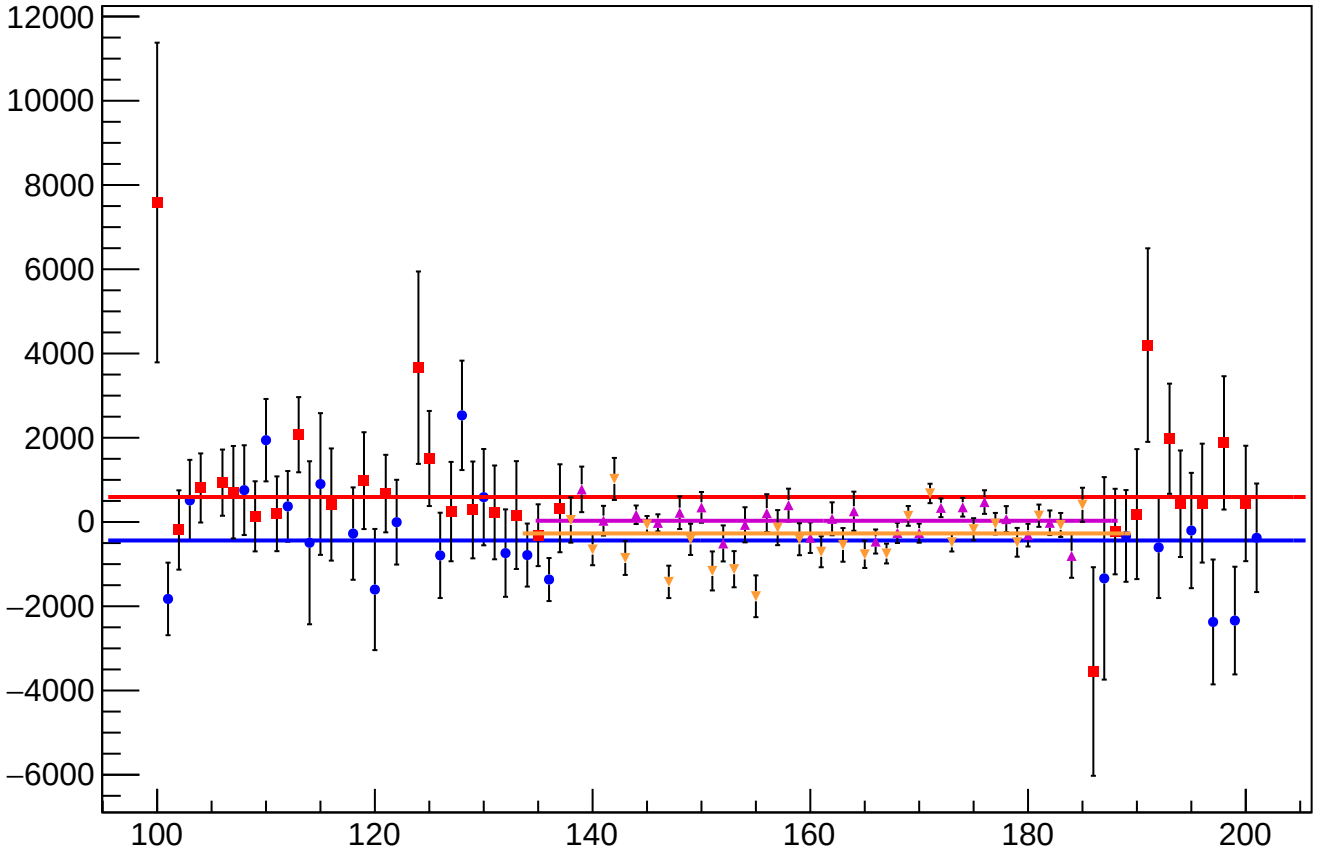
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 73.865+/-0.011 χ^2/NDF: 9473141.8/50

In: 52.235+/-0.007 χ^2/NDF:6911530.0/45

Out: 52.429+/-0.007 χ^2/NDF:8262311.7/52

All: 52.334+/-0.005 χ^2/NDF: 15174218.8/98



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: 593.222+/-210.177 χ^2/NDF: 20.0/27

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

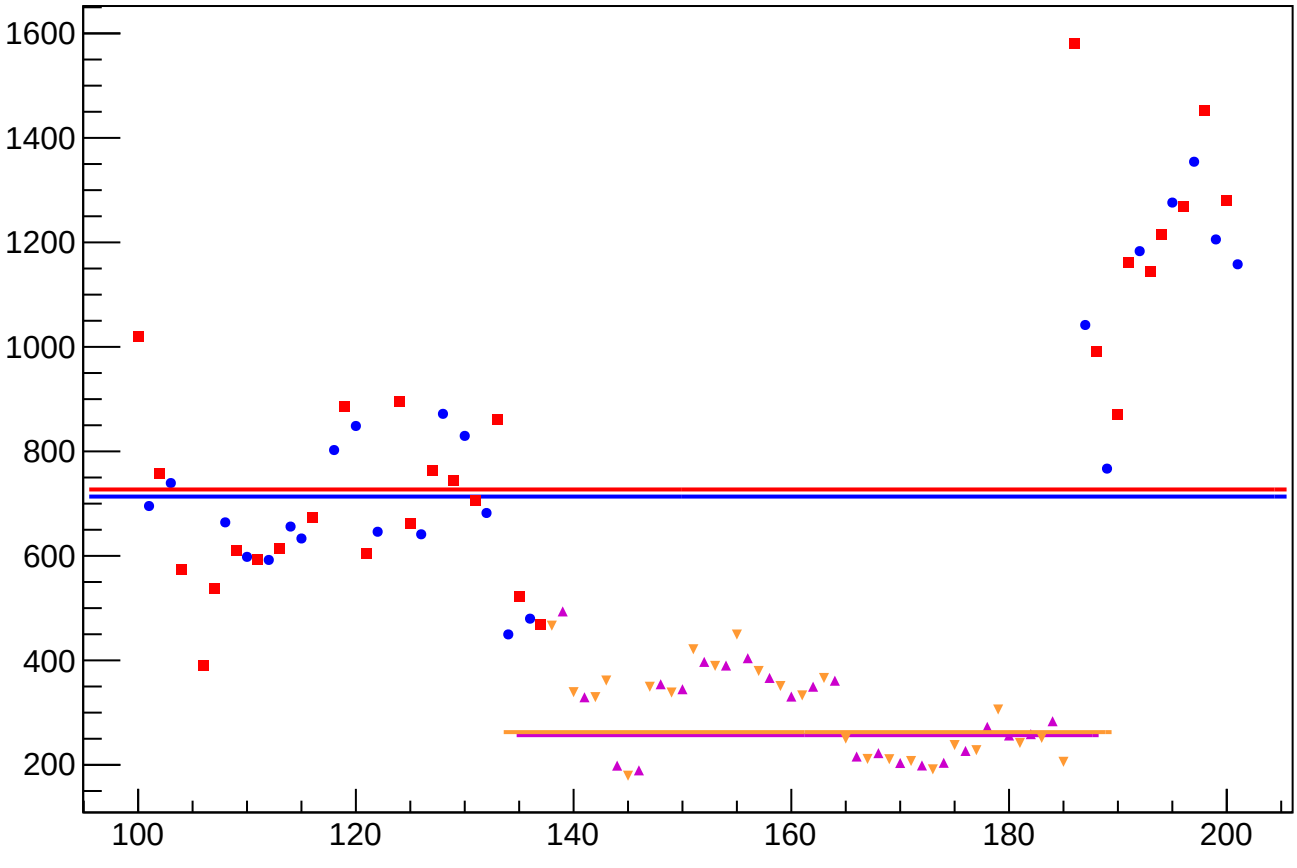
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 90.631+/-150.529 χ^2/NDF: 58.8/50

In: -7.222+/-60.182 χ^2/NDF:55.8/45

Out: -201.130+/-59.772 χ^2/NDF:109.4/52

All: -104.839+/-42.409 χ^2/NDF: 170.4/98



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: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

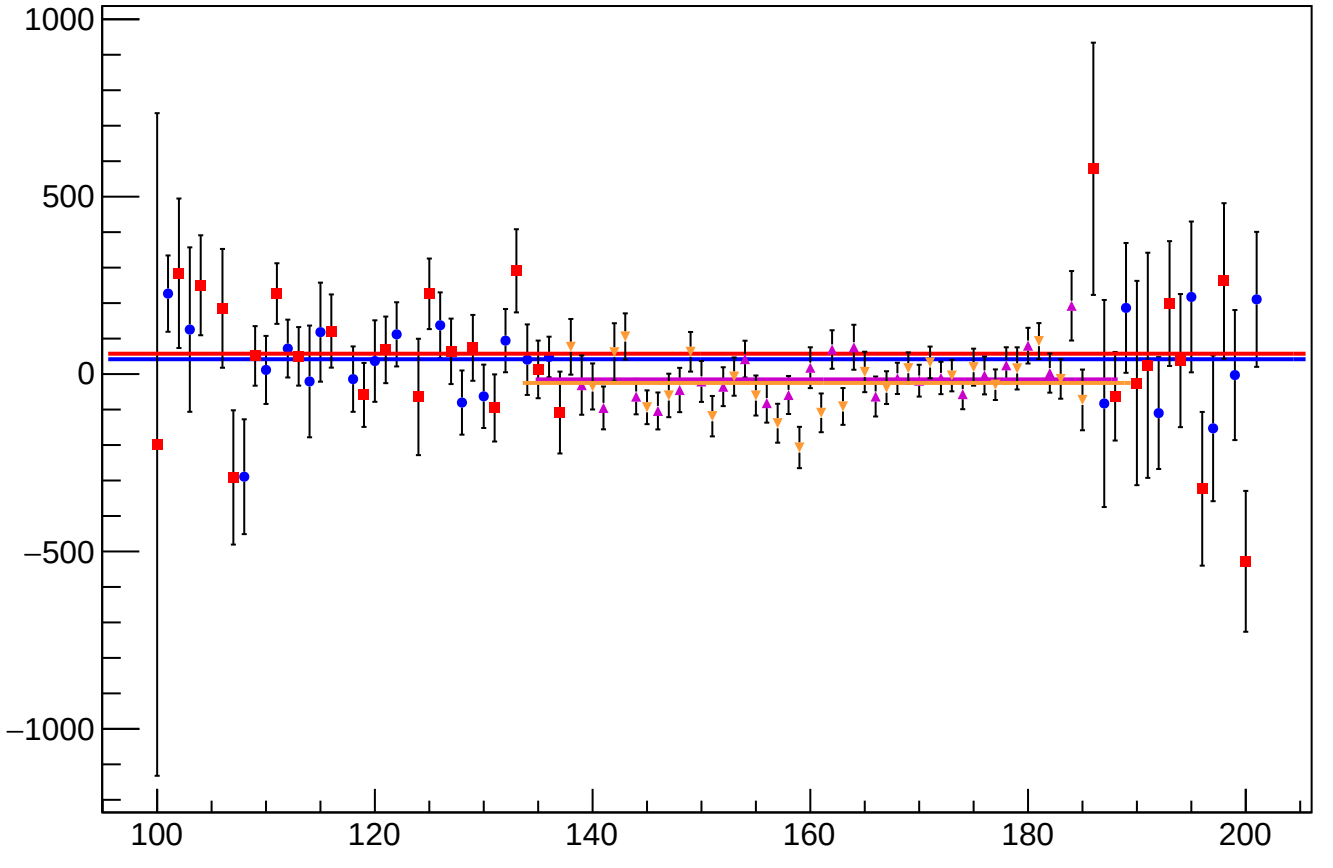
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 720.488+/-0.106 χ^2/NDF: 5477382.3/50

In: 292.395+/-0.043 χ^2/NDF:13353522.8/45

Out: 300.240+/-0.042 χ^2/NDF:14895667.4/52

All: 296.344+/-0.030 χ^2/NDF: 28266296.8/98



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: 57.403+/-22.946 χ^2/NDF: 42.0/27

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

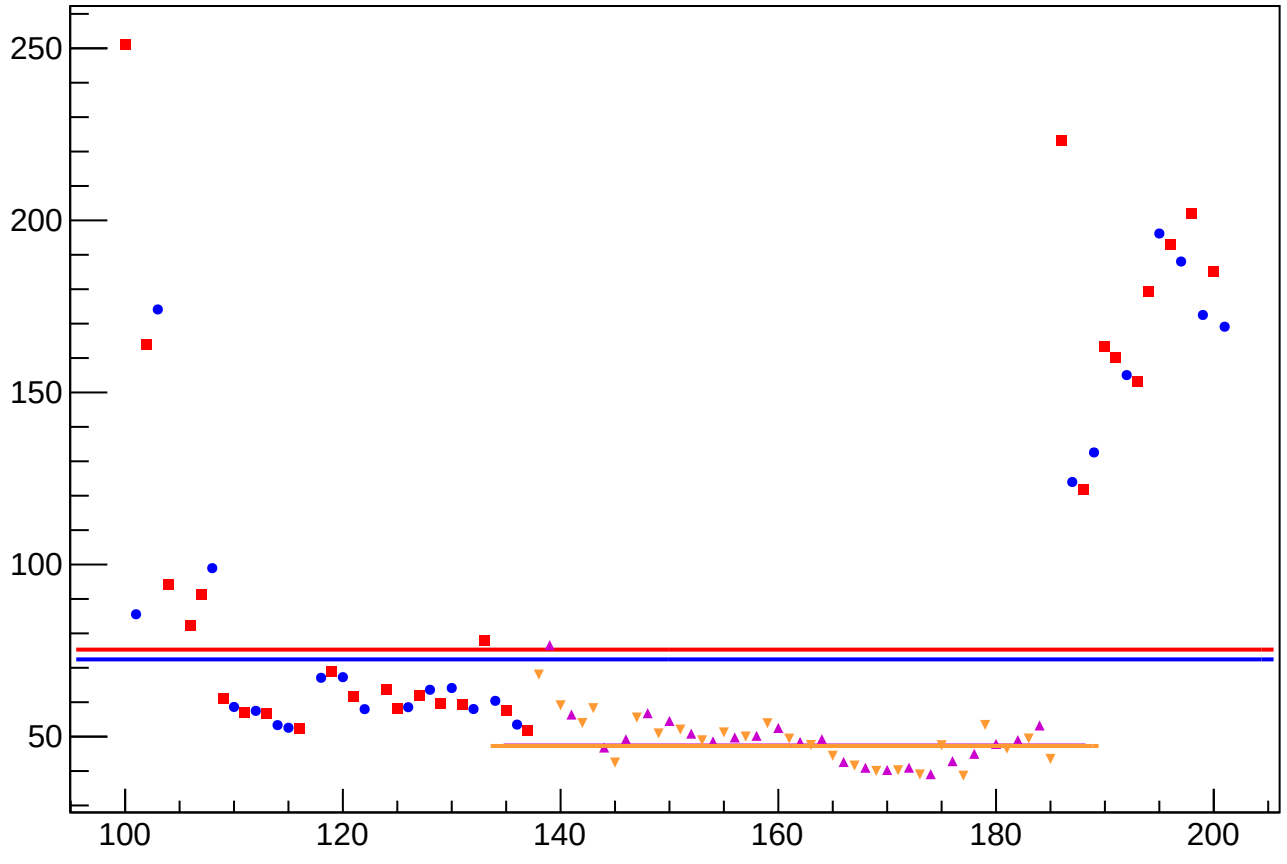
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 49.634+/-16.242 χ^2/NDF: 59.9/50

In: -4.066+/-10.082 χ^2/NDF:47.4/45

Out: -9.845+/-9.836 χ^2/NDF:95.6/52

All: -7.027+/-7.041 χ^2/NDF: 143.2/98



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: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

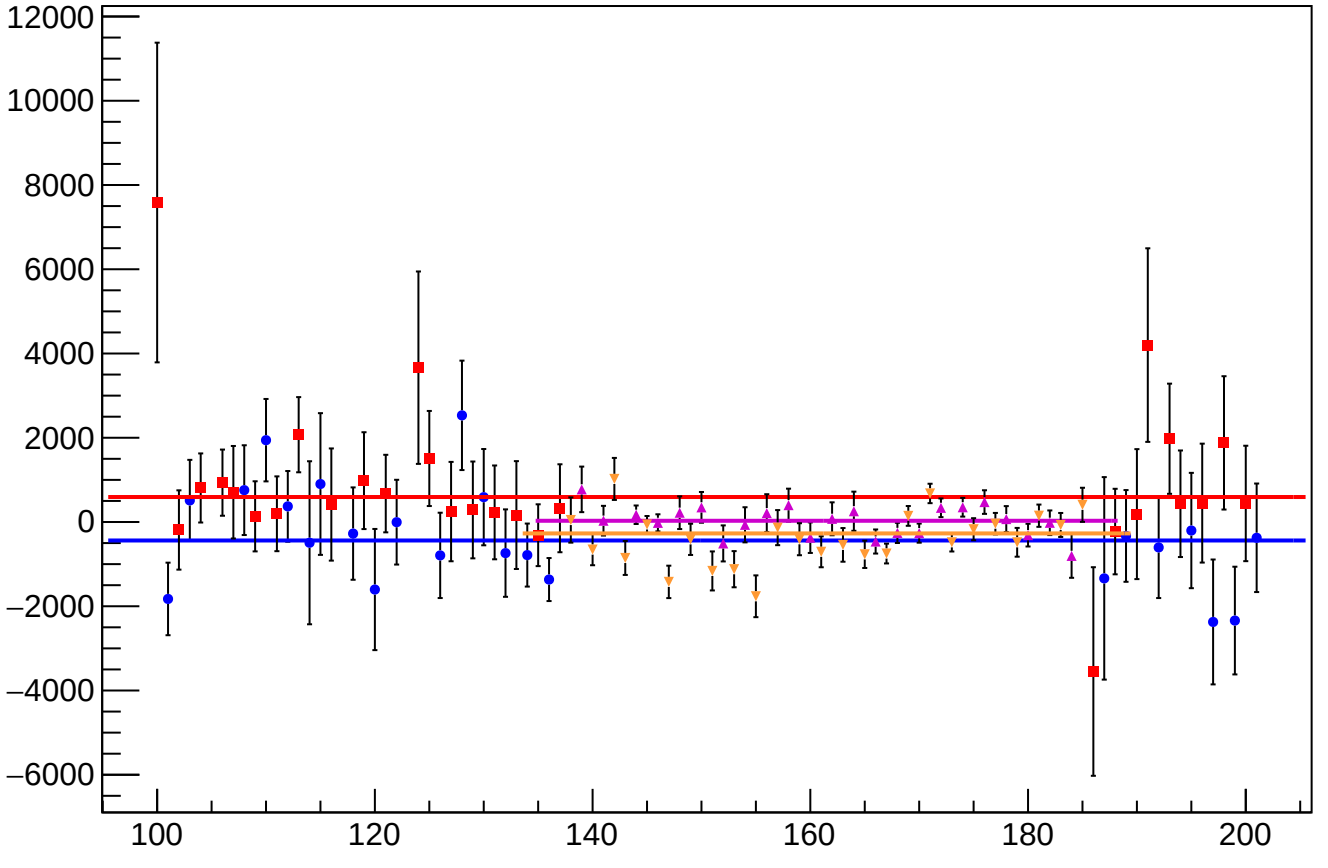
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 73.865+/-0.011 χ^2/NDF: 9473141.8/50

In: 52.235+/-0.007 χ^2/NDF:6911530.0/45

Out: 52.429+/-0.007 χ^2/NDF:8262311.7/52

All: 52.334+/-0.005 χ^2/NDF: 15174218.8/98



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: 593.222+/-210.177 χ^2/NDF: 20.0/27

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

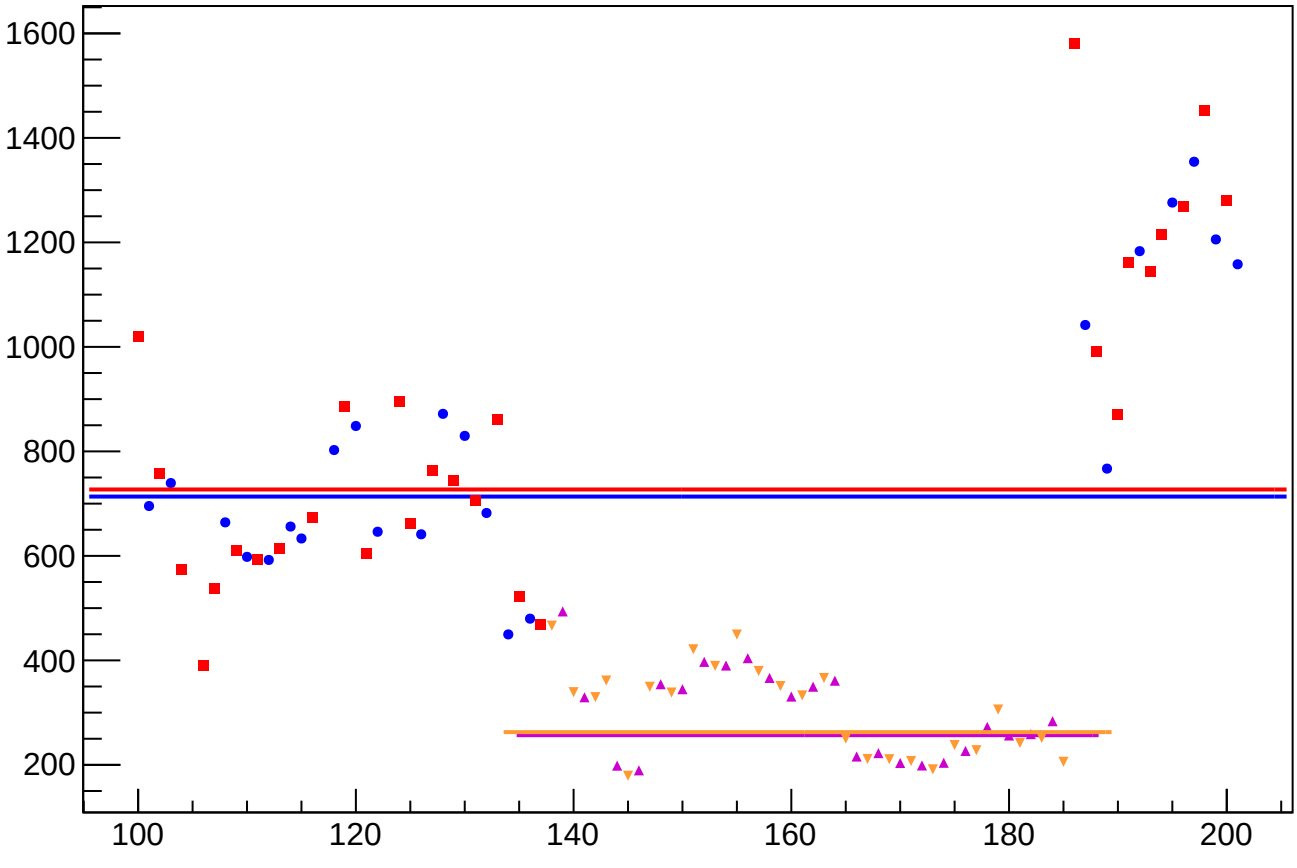
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 90.631+/-150.529 χ^2/NDF: 58.8/50

In: -7.222+/-60.182 χ^2/NDF:55.8/45

Out: -201.130+/-59.772 χ^2/NDF:109.4/52

All: -104.839+/-42.409 χ^2/NDF: 170.4/98



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: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

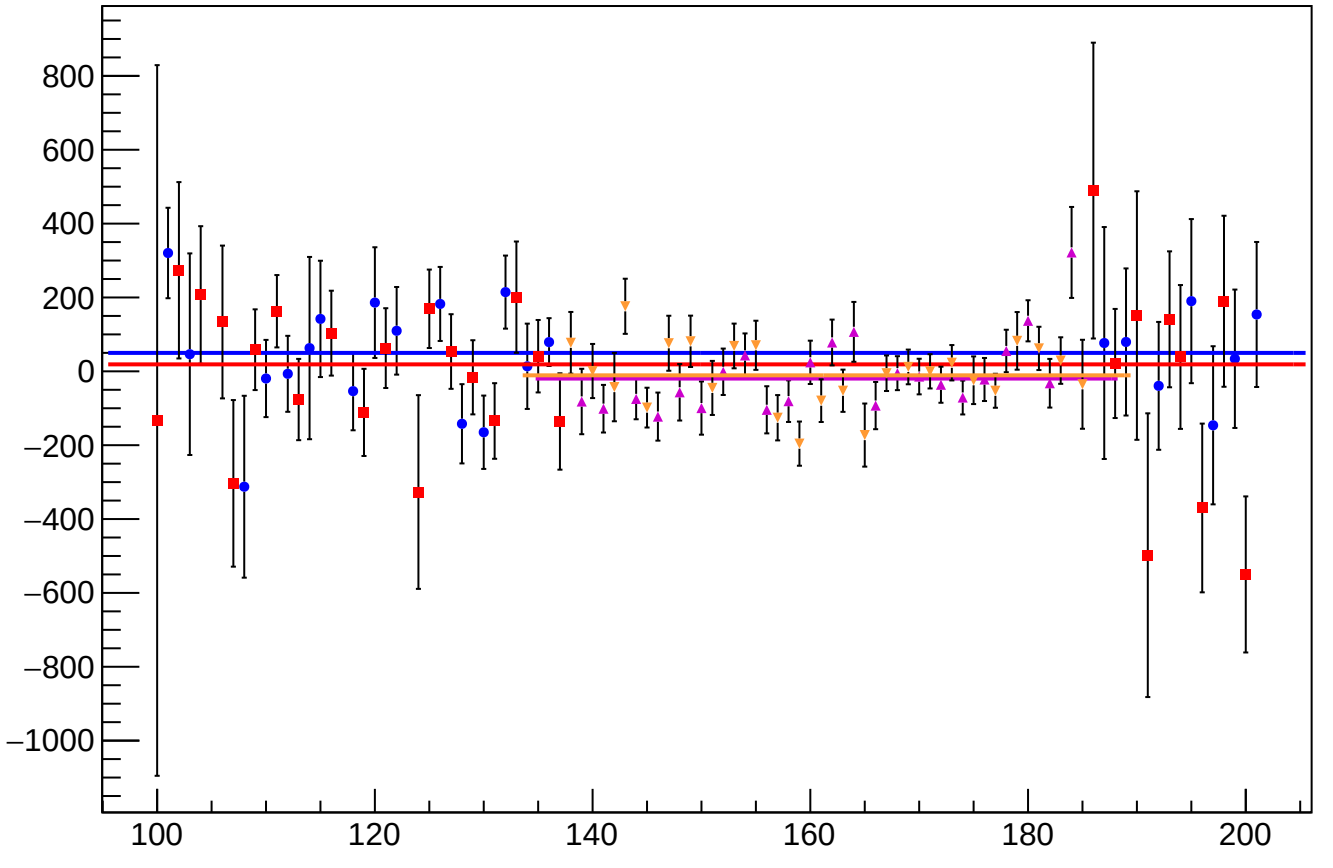
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 720.488+/-0.106 χ^2/NDF: 5477382.3/50

In: 292.395+/-0.043 χ^2/NDF:13353522.8/45

Out: 300.240+/-0.042 χ^2/NDF:14895667.4/52

All: 296.344+/-0.030 χ^2/NDF: 28266296.8/98



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: 18.871+/-26.917 χ^2/NDF: 33.1/27

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

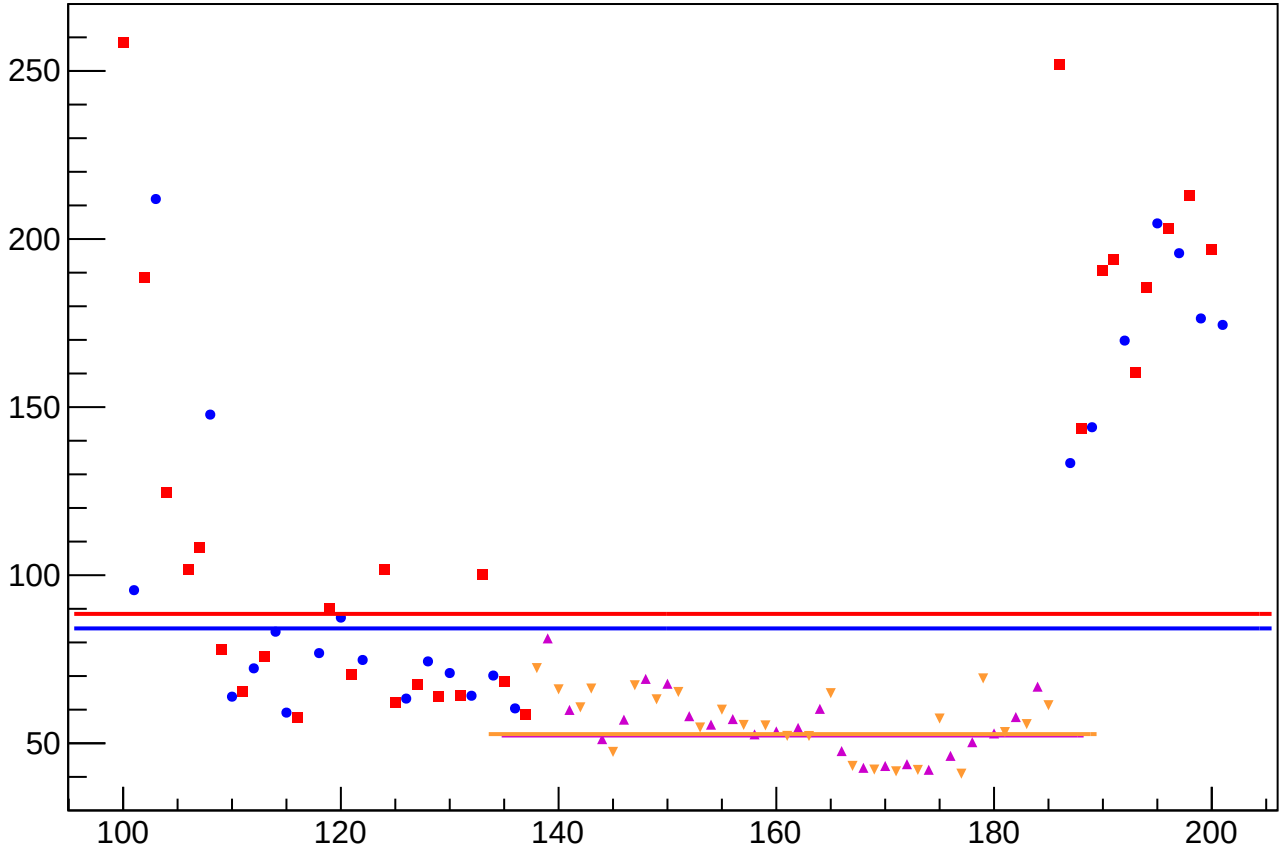
Right: 34.573+/-18.923 χ^2/NDF: 58.5/50

In: -6.955+/-11.348 χ^2/NDF:67.0/45

Out: -5.689+/-11.192 χ^2/NDF:74.5/52

All: -6.313+/-7.968 χ^2/NDF: 141.6/98

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: 88.489+/-0.019 χ^2/NDF: 4877538.7/27

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

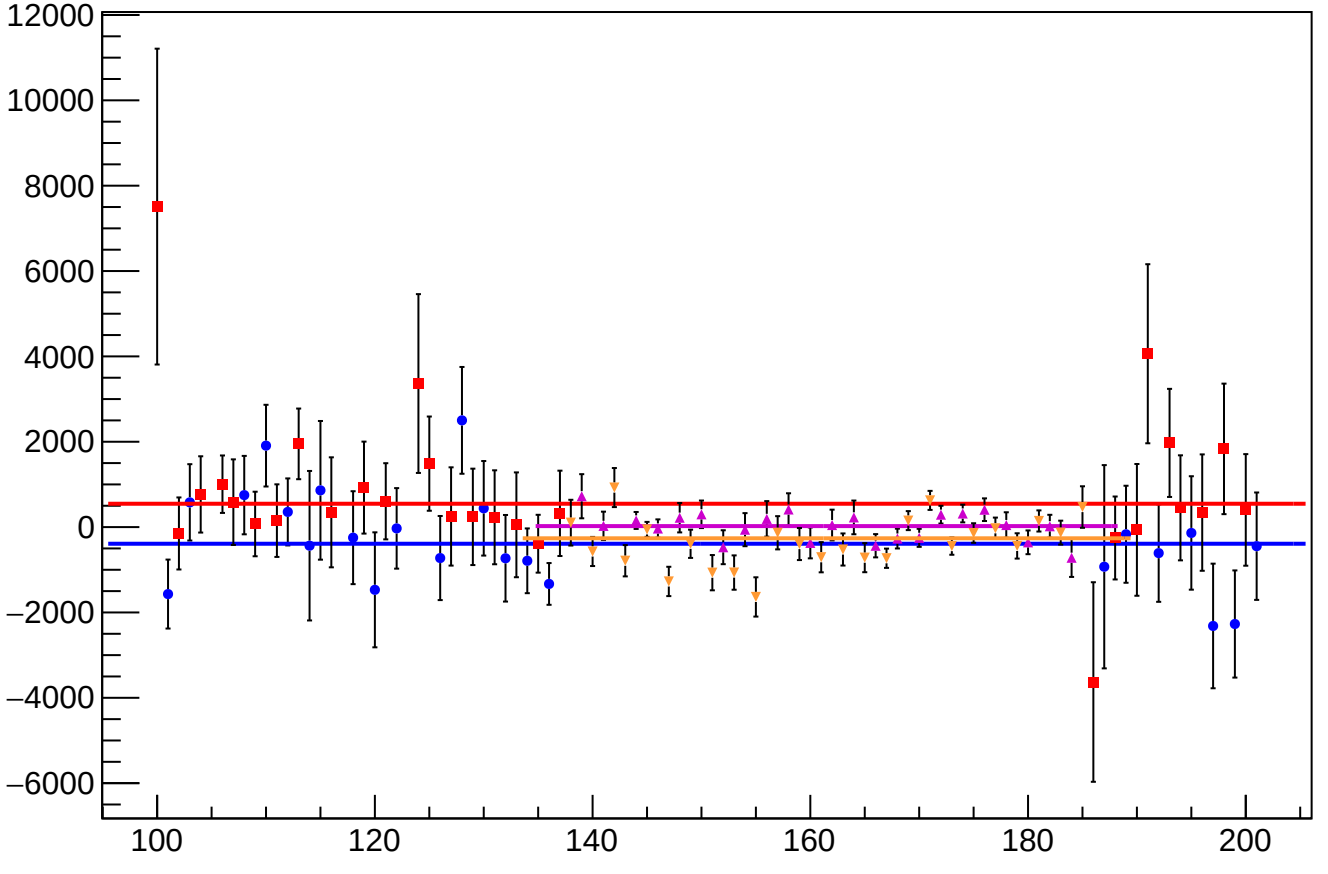
Right: 86.305+/-0.013 χ^2/NDF: 8946283.0/50

In: 58.108+/-0.008 χ^2/NDF:7279912.6/45

Out: 58.913+/-0.008 χ^2/NDF:8964200.3/52

All: 58.516+/-0.006 χ^2/NDF: 16249219.3/98

asym_sam_37_dd_dit_correction_mean vs Slug, Sign Corrected



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: 547.246+/-199.144 χ^2/NDF: 22.1/27

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

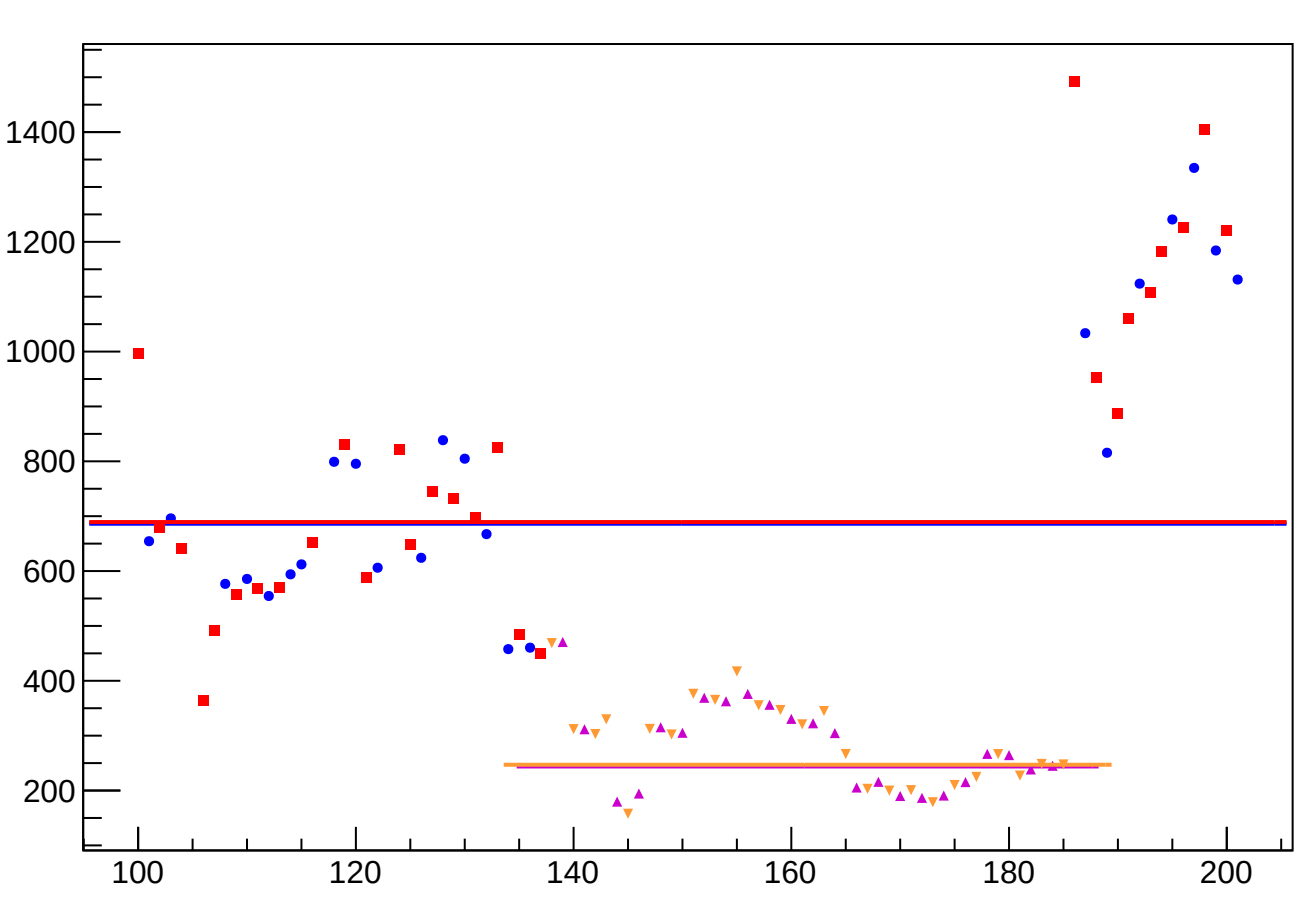
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 97.212+/-143.582 χ^2/NDF: 59.9/50

In: -7.926+/-57.097 χ^2/NDF:55.0/45

Out: -198.248+/-56.129 χ^2/NDF:109.6/52

All: -104.715+/-40.027 χ^2/NDF: 170.2/98



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: 689.310+/-0.141 χ^2/NDF: 3209855.7/27

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

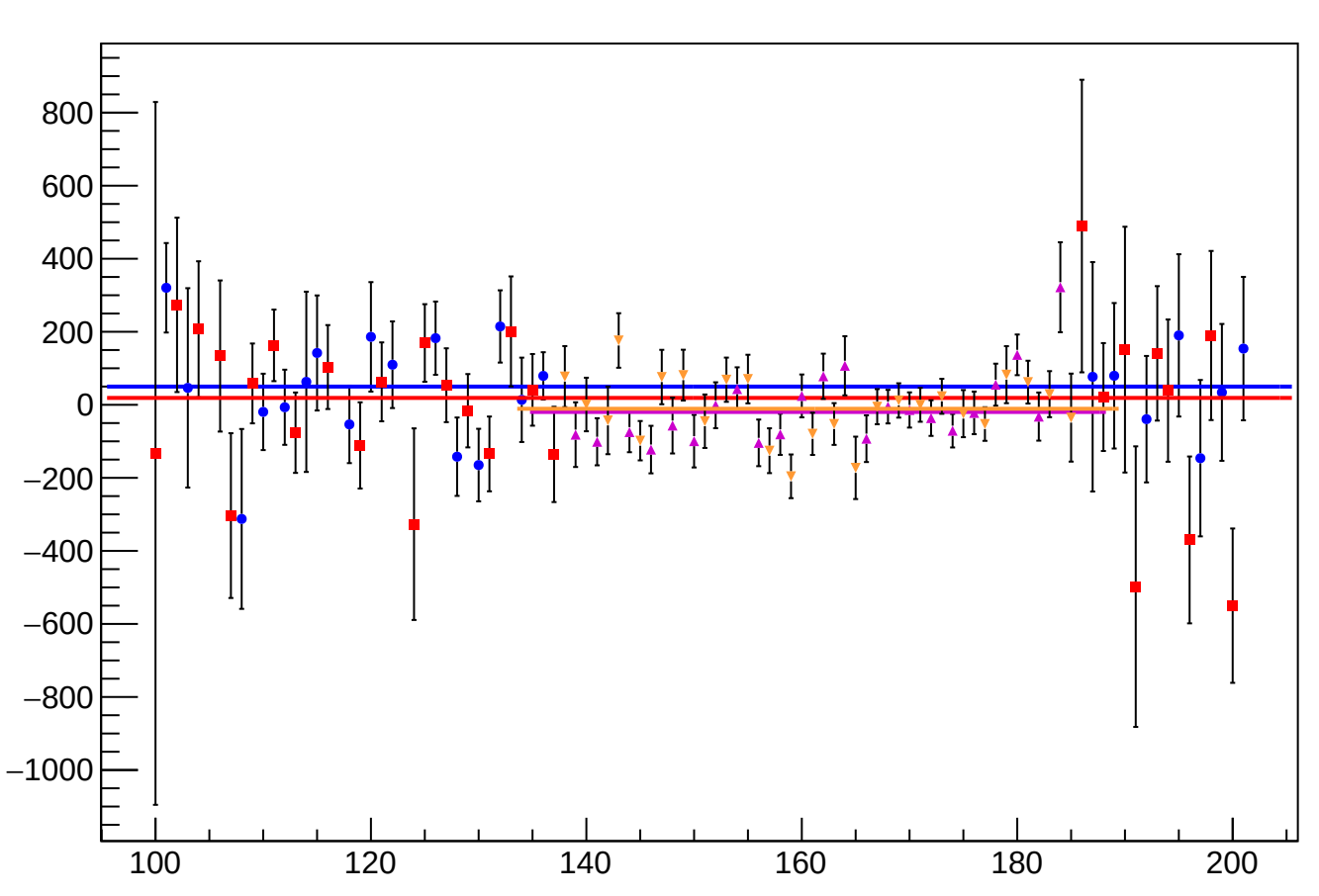
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 687.852+/-0.102 χ^2/NDF: 5717602.2/50

In: 277.420+/-0.040 χ^2/NDF:13424498.3/45

Out: 282.133+/-0.040 χ^2/NDF:15218133.2/52

All: 279.817+/-0.028 χ^2/NDF: 28649561.5/98



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: 18.871+/-26.917 χ^2/NDF: 33.1/27

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

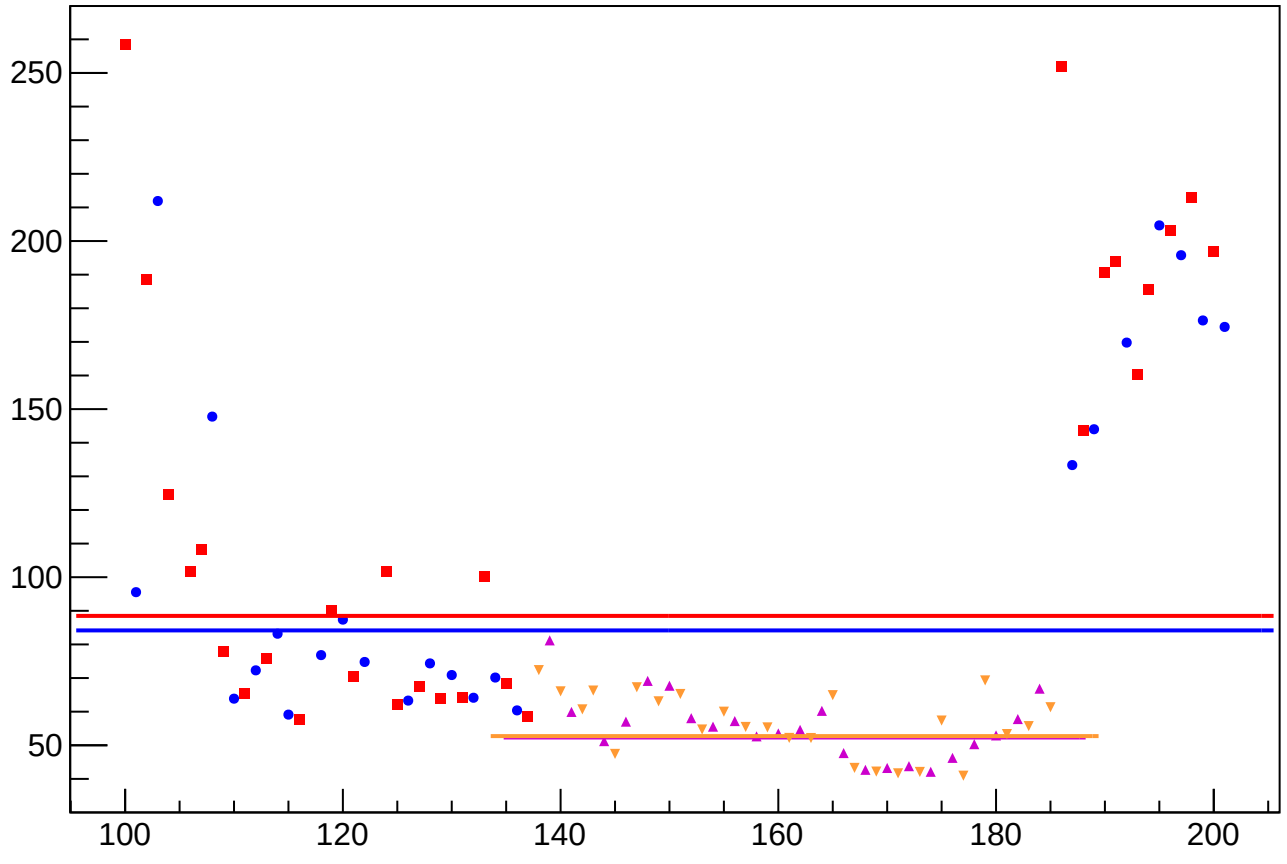
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 34.572+/-18.923 χ^2/NDF: 58.5/50

In: -6.955+/-11.348 χ^2/NDF:67.0/45

Out: -5.689+/-11.192 χ^2/NDF:74.5/52

All: -6.313+/-7.968 χ^2/NDF: 141.6/98



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: 88.489+/-0.019 χ^2/NDF: 4877536.6/27

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

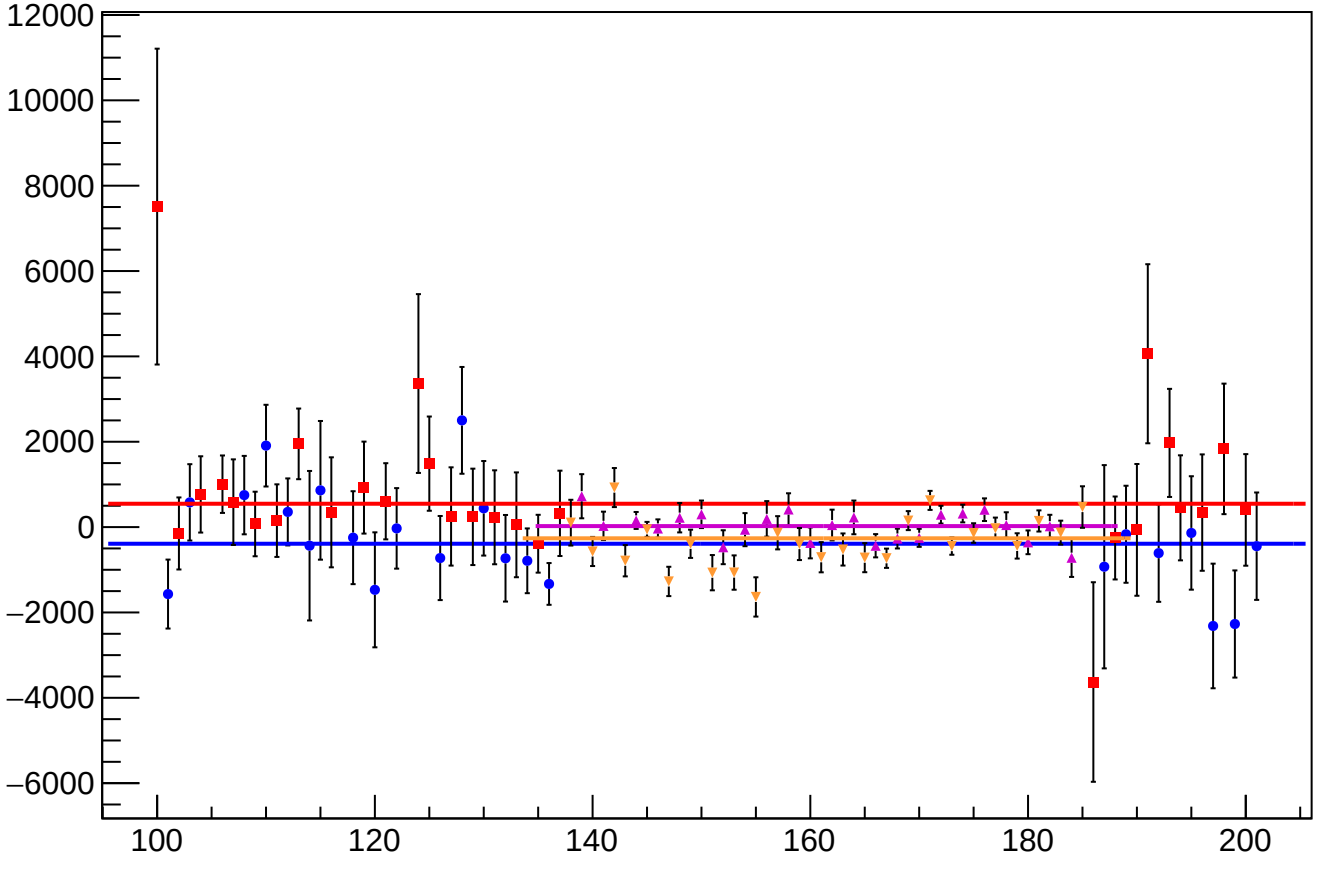
Right: 86.305+/-0.013 χ^2/NDF: 8946303.0/50

In: 58.108+/-0.008 χ^2/NDF:7279913.6/45

Out: 58.913+/-0.008 χ^2/NDF:8964204.0/52

All: 58.516+/-0.006 χ^2/NDF: 16249224.3/98

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 547.246+/-199.144 χ^2/NDF: 22.1/27

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

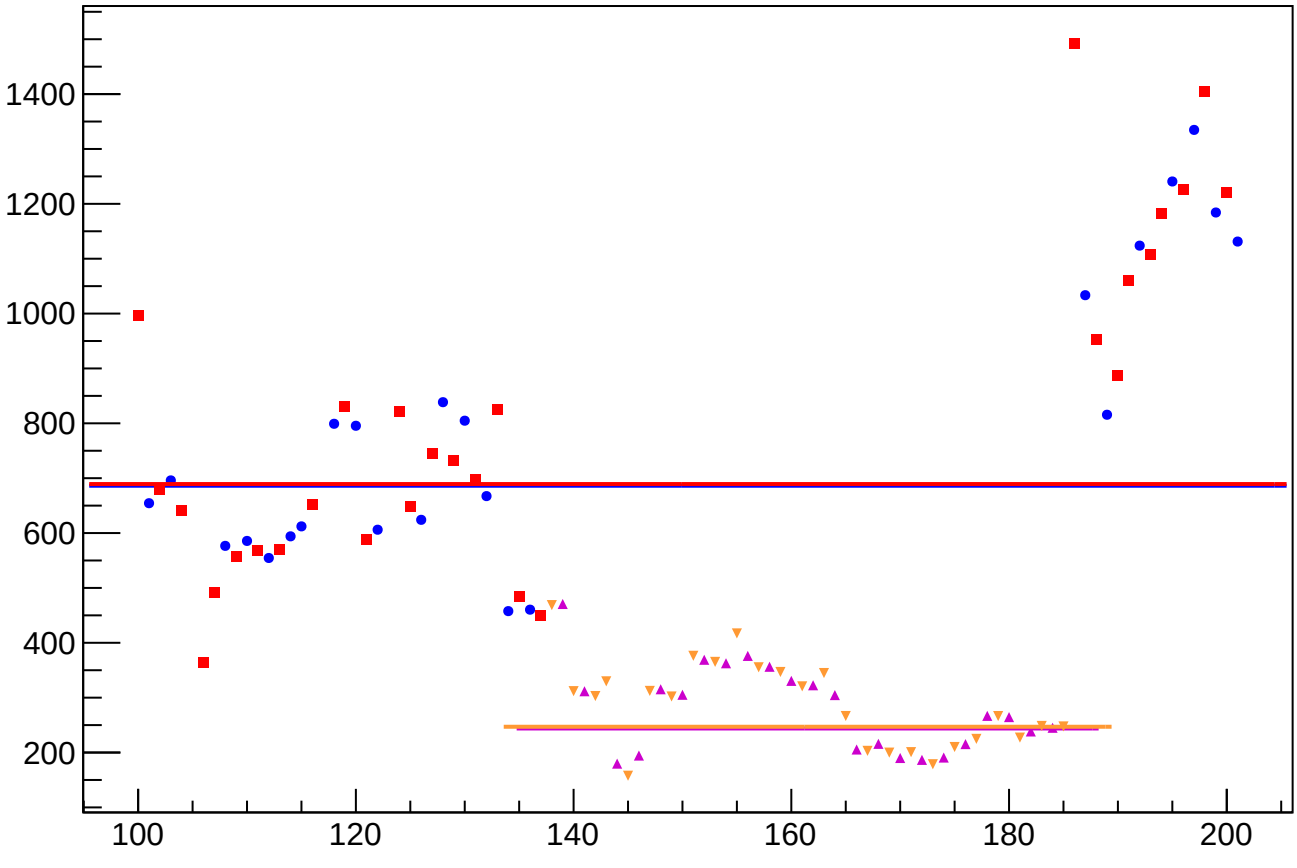
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 97.213+/-143.582 χ^2/NDF: 59.9/50

In: -7.926+/-57.097 χ^2/NDF:55.0/45

Out: -198.249+/-56.129 χ^2/NDF:109.6/52

All: -104.715+/-40.027 χ^2/NDF: 170.2/98



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: 689.309+/-0.141 χ^2/NDF: 3209851.2/27

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

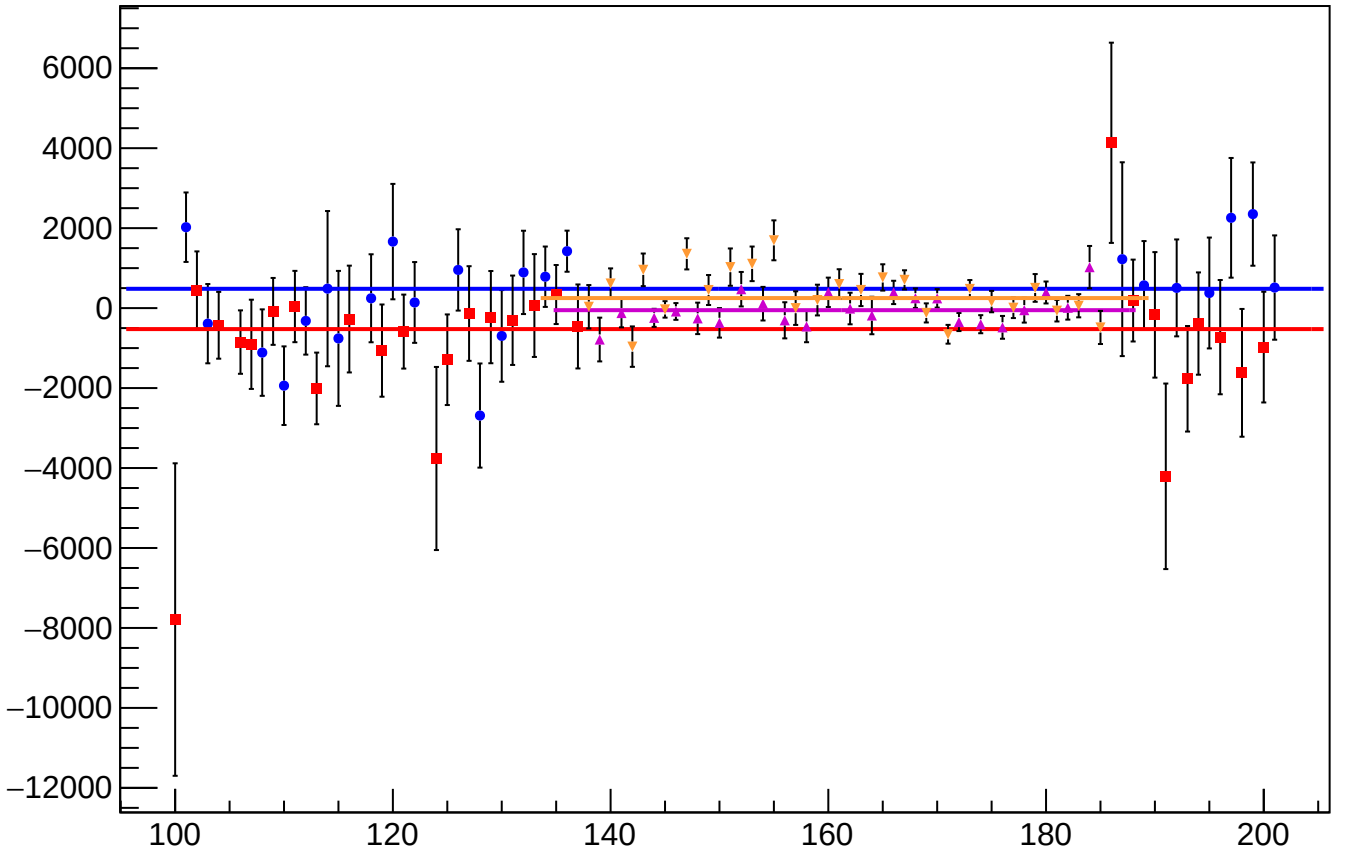
Right: 687.852+/-0.102 χ^2/NDF: 5717586.0/50

In: 277.420+/-0.040 χ^2/NDF:13424496.7/45

Out: 282.133+/-0.040 χ^2/NDF:15218115.9/52

All: 279.817+/-0.028 χ^2/NDF: 28649542.9/98

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: -524.870+/-212.031 χ^2/NDF: 20.7/27

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

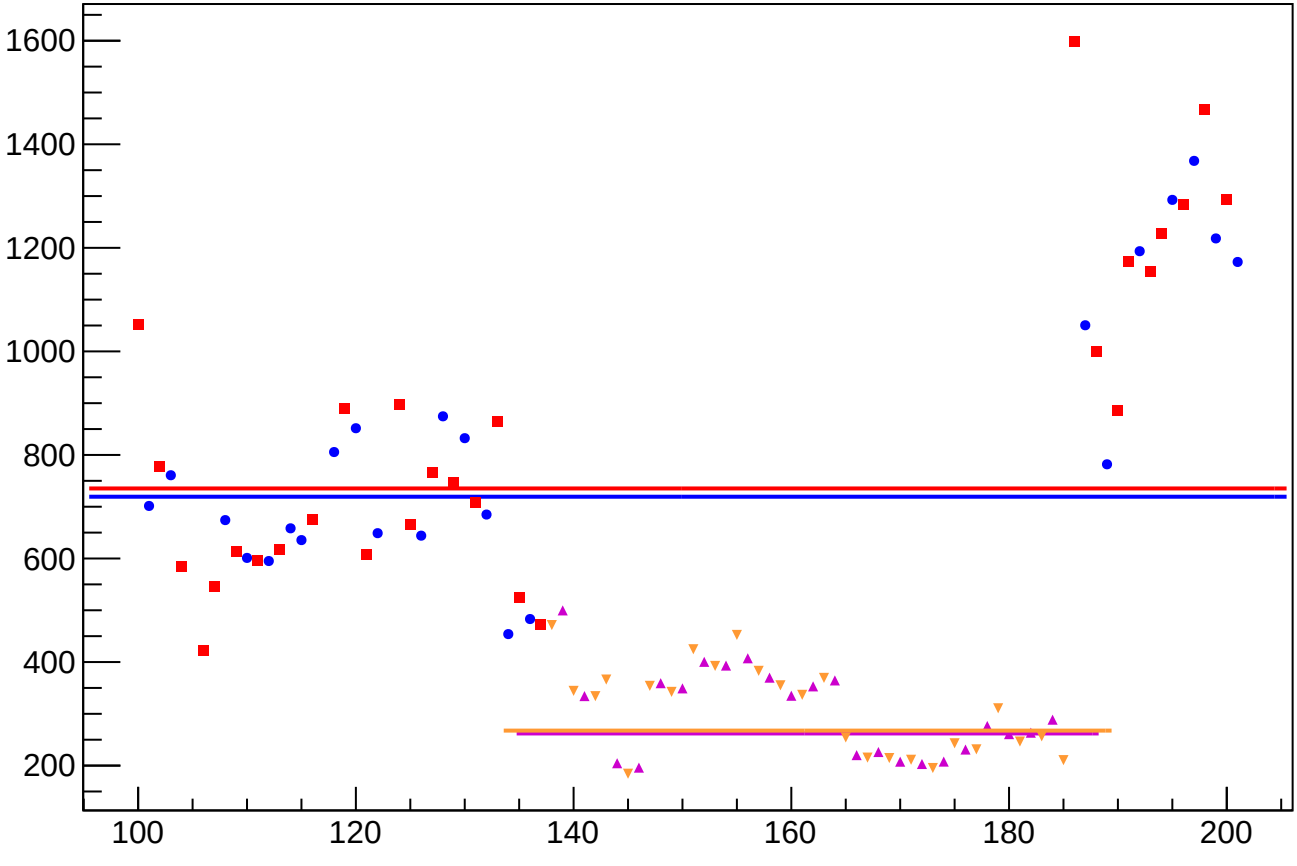
Right: -33.826+/-151.830 χ^2/NDF: 60.6/50

In: -9.300+/-61.259 χ^2/NDF:61.3/45

Out: 187.381+/-60.763 χ^2/NDF:100.5/52

All: 89.839+/-43.140 χ^2/NDF: 167.0/98

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: 735.272+/-0.150 χ^2/NDF: 2981960.3/27

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

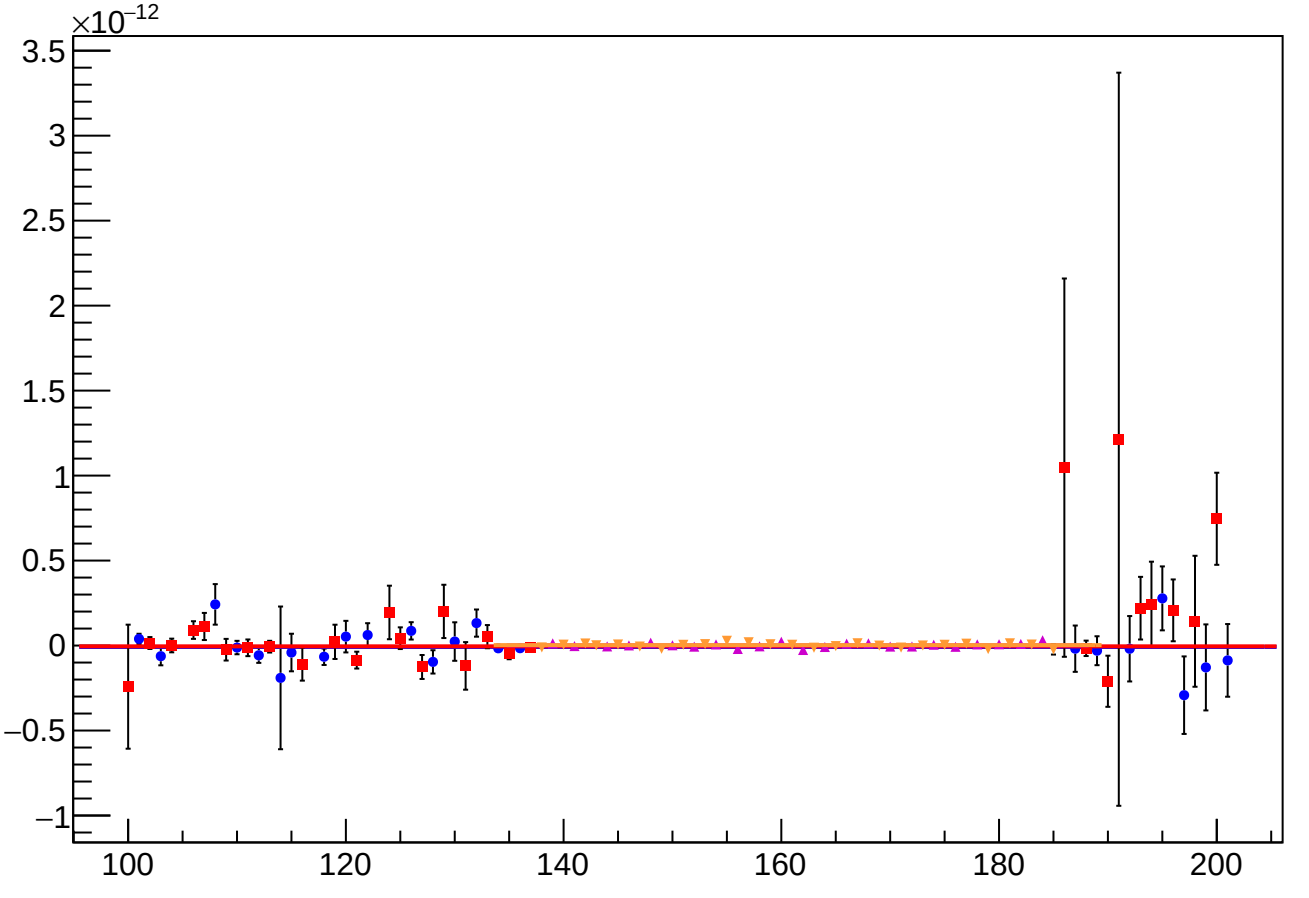
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 727.500+/-0.107 χ^2/NDF: 5450982.4/50

In: 298.359+/-0.043 χ^2/NDF:13137465.8/45

Out: 305.998+/-0.043 χ^2/NDF:14714775.5/52

All: 302.209+/-0.031 χ^2/NDF: 27867921.4/98



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: 34.8/27

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

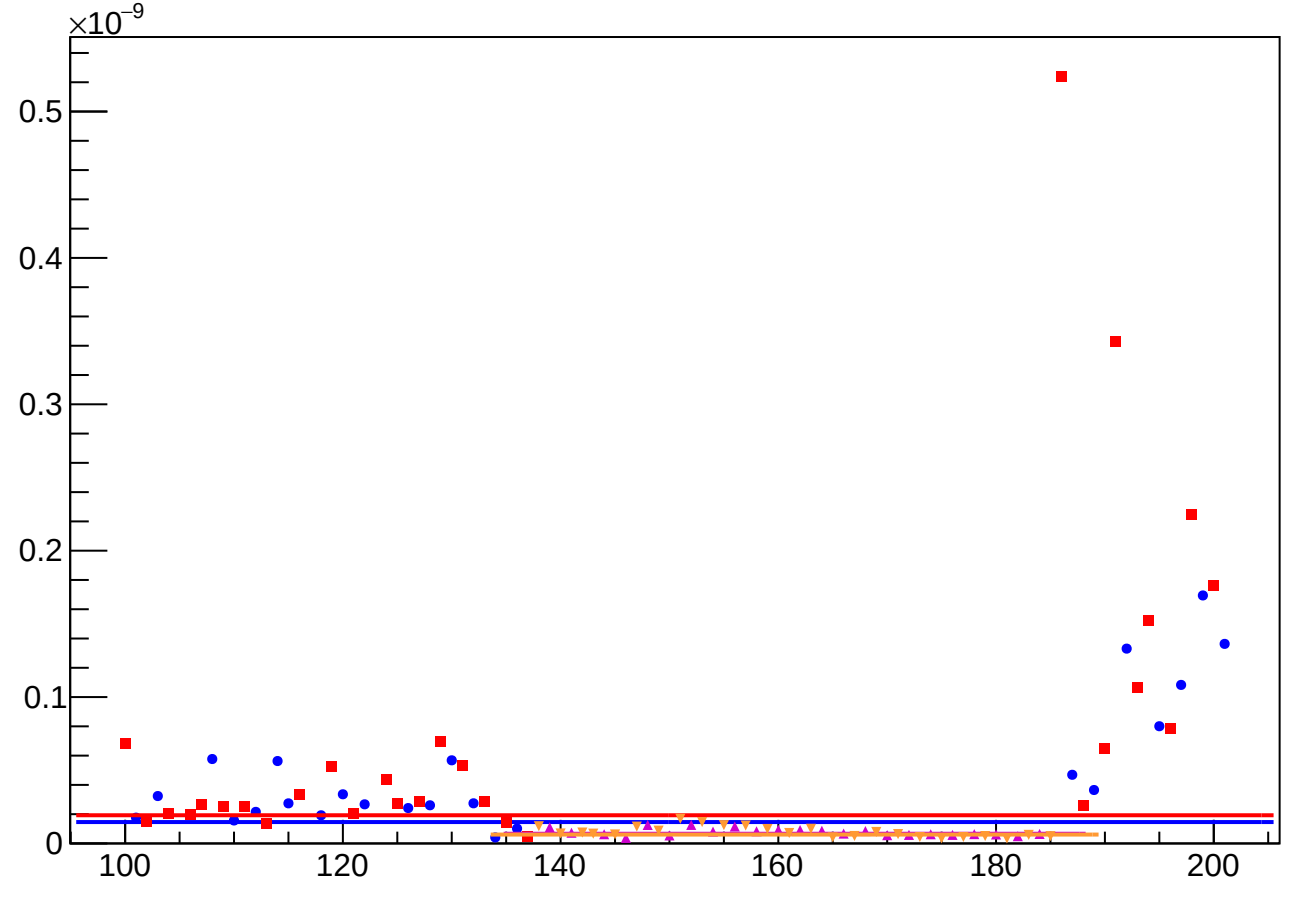
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.1/50

In: 0.000+/-0.000 χ^2/NDF:38.5/45

Out: 0.000+/-0.000 χ^2/NDF:50.4/52

All: 0.000+/-0.000 χ^2/NDF: 89.1/98



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: 4869408.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

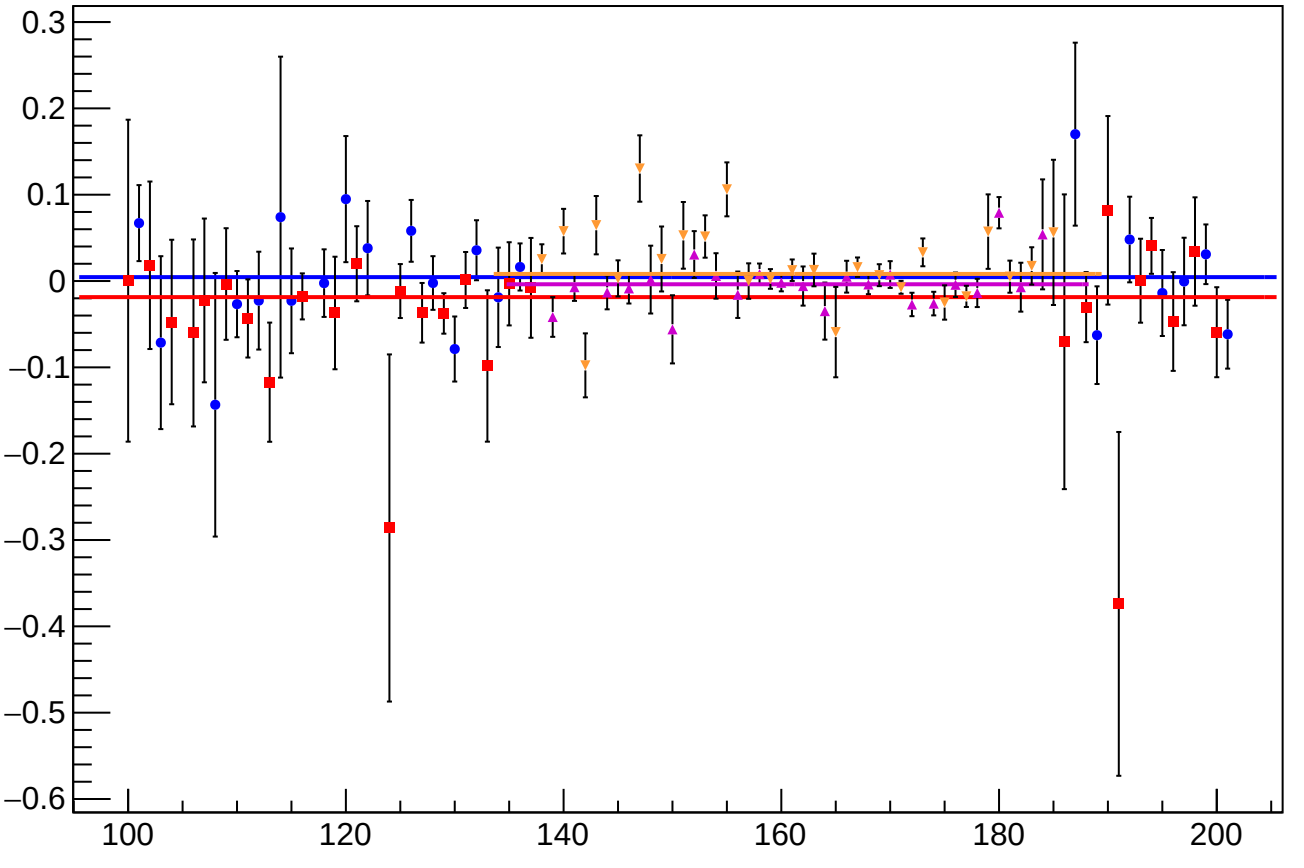
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10188063.7/50

In: 0.000+/-0.000 χ^2/NDF:7664675.3/45

Out: 0.000+/-0.000 χ^2/NDF:9984170.1/52

All: 0.000+/-0.000 χ^2/NDF: 17698460.7/98



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: -0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

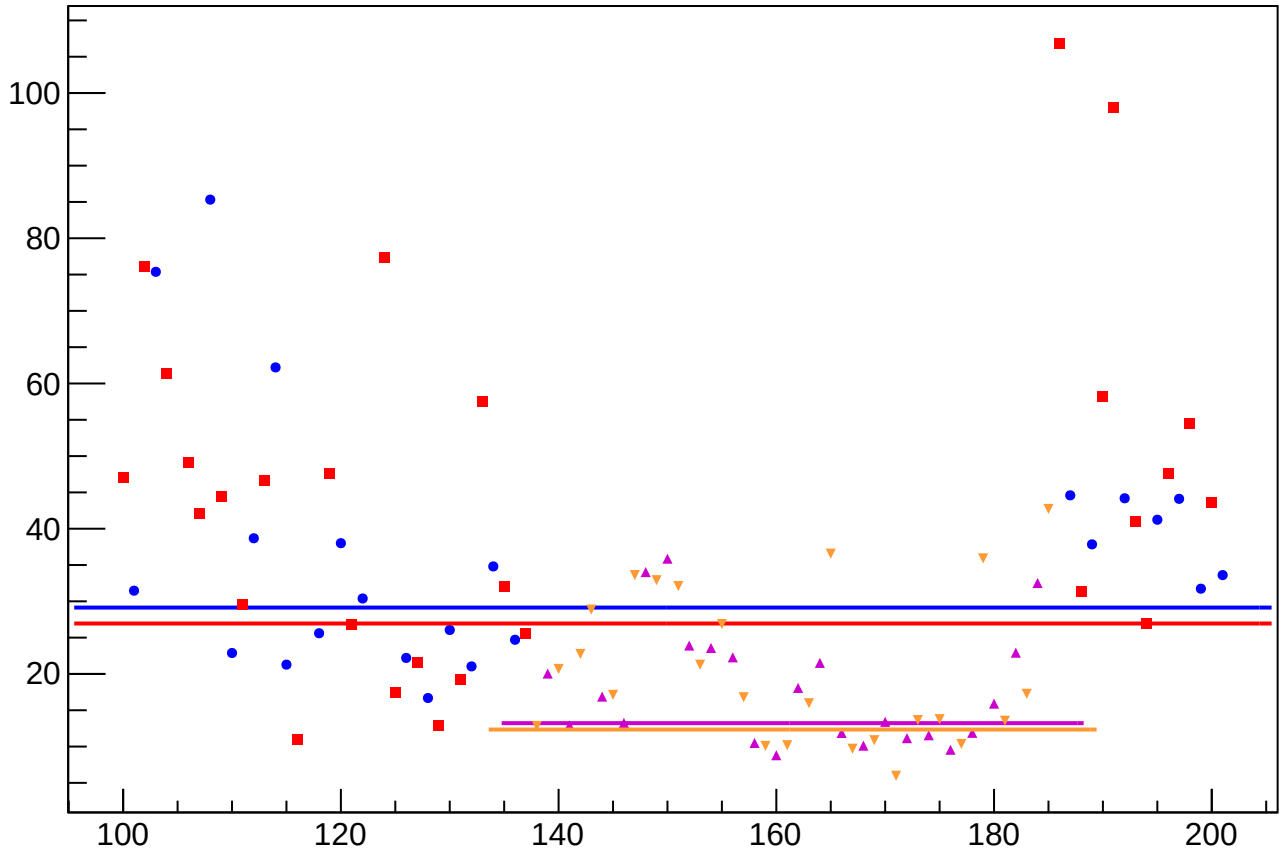
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.008+/-0.007 χ^2/NDF: 43.3/50

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 147.1/98



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: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

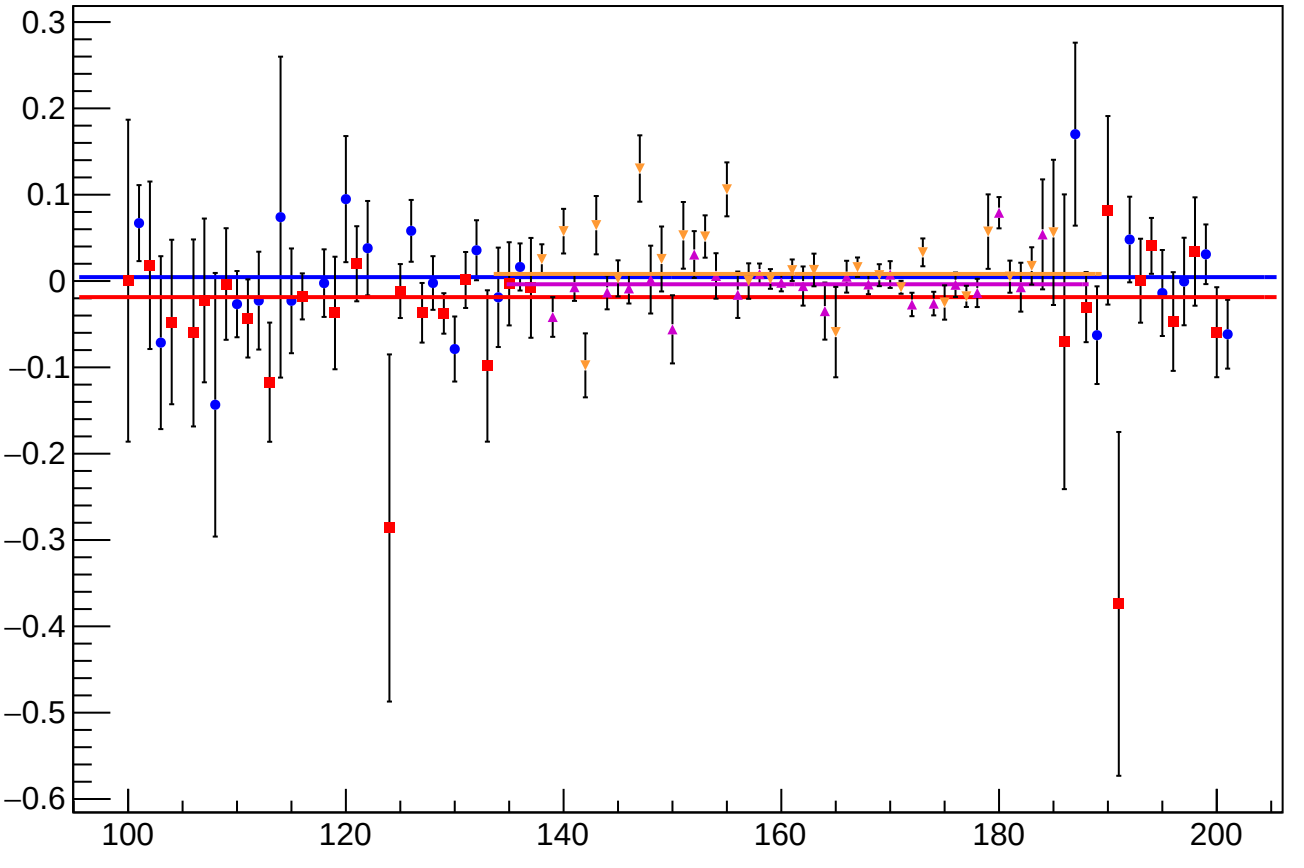
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.999+/-0.005 χ^2/NDF: 7734171.9/50

In: 15.273+/-0.002 χ^2/NDF:10957342.1/45

Out: 14.188+/-0.002 χ^2/NDF:16788853.4/52

All: 14.704+/-0.002 χ^2/NDF: 27853538.7/98



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: -0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

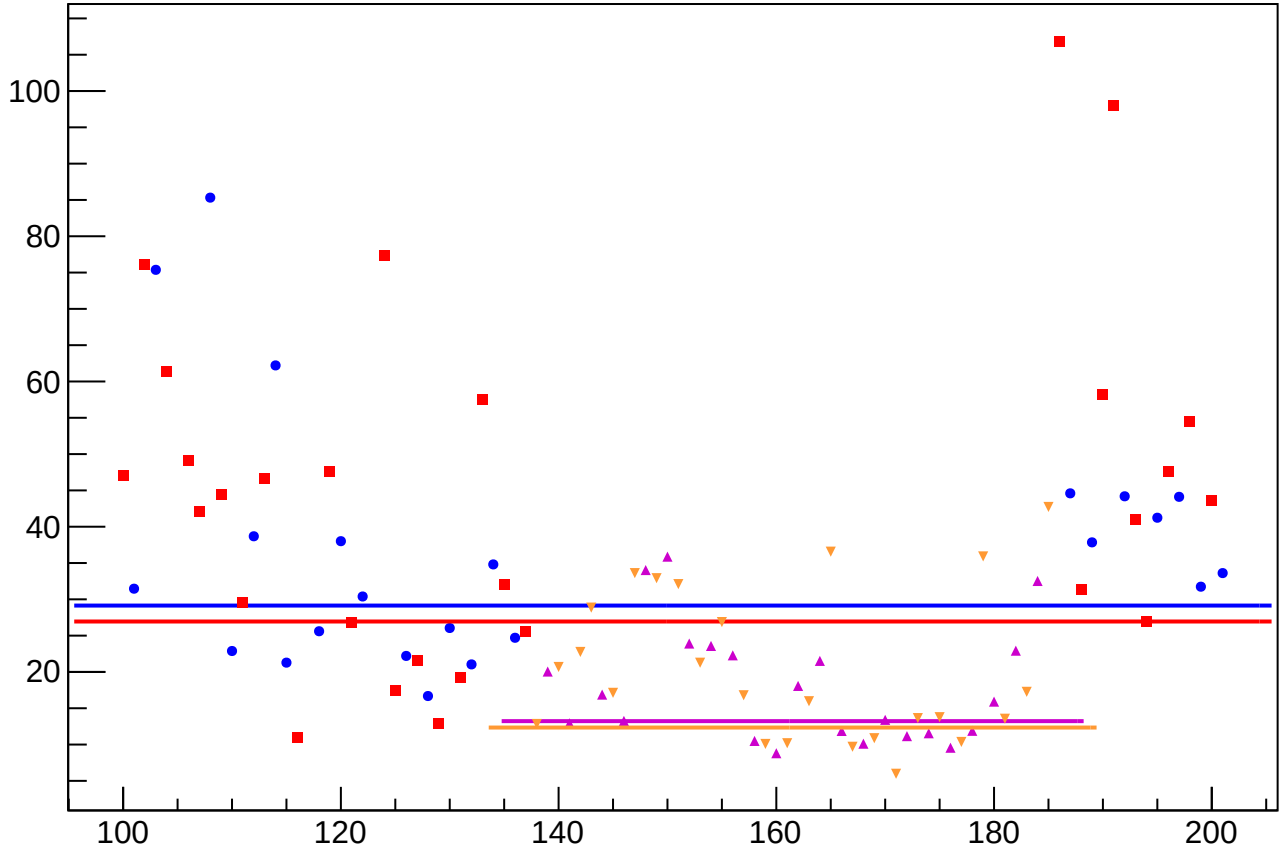
Right: -0.008+/-0.007 χ^2/NDF: 43.3/50

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 147.1/98

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: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

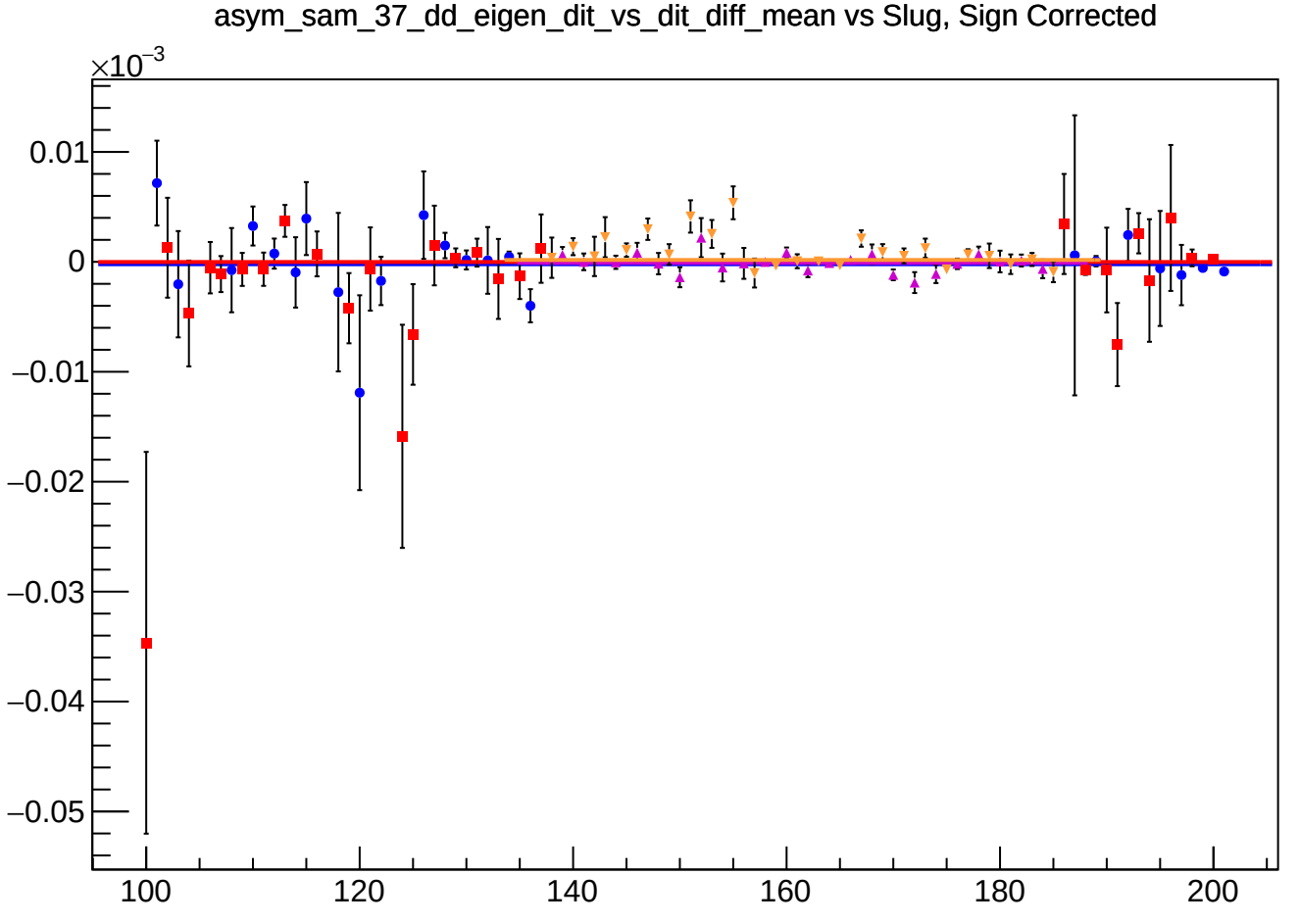
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.999+/-0.005 χ^2/NDF: 7734171.9/50

In: 15.273+/-0.002 χ^2/NDF:10957342.1/45

Out: 14.188+/-0.002 χ^2/NDF:16788853.4/52

All: 14.704+/-0.002 χ^2/NDF: 27853538.7/98



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: 30.5/27

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

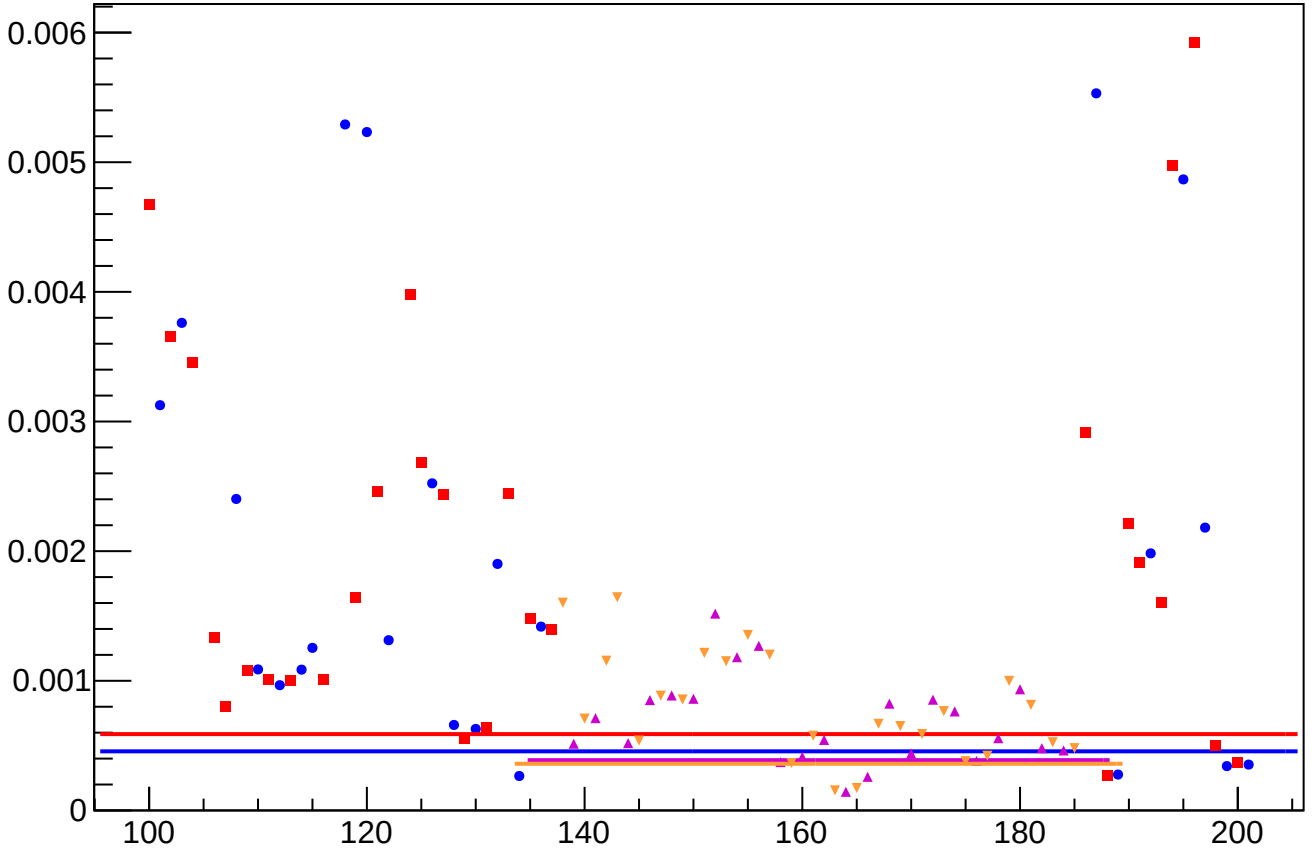
Right: -0.000+/-0.000 χ^2/NDF: 60.5/50

In: -0.000+/-0.000 χ^2/NDF:54.3/45

Out: 0.000+/-0.000 χ^2/NDF:92.5/52

All: 0.000+/-0.000 χ^2/NDF: 150.5/98

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: 11325877.0/27

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

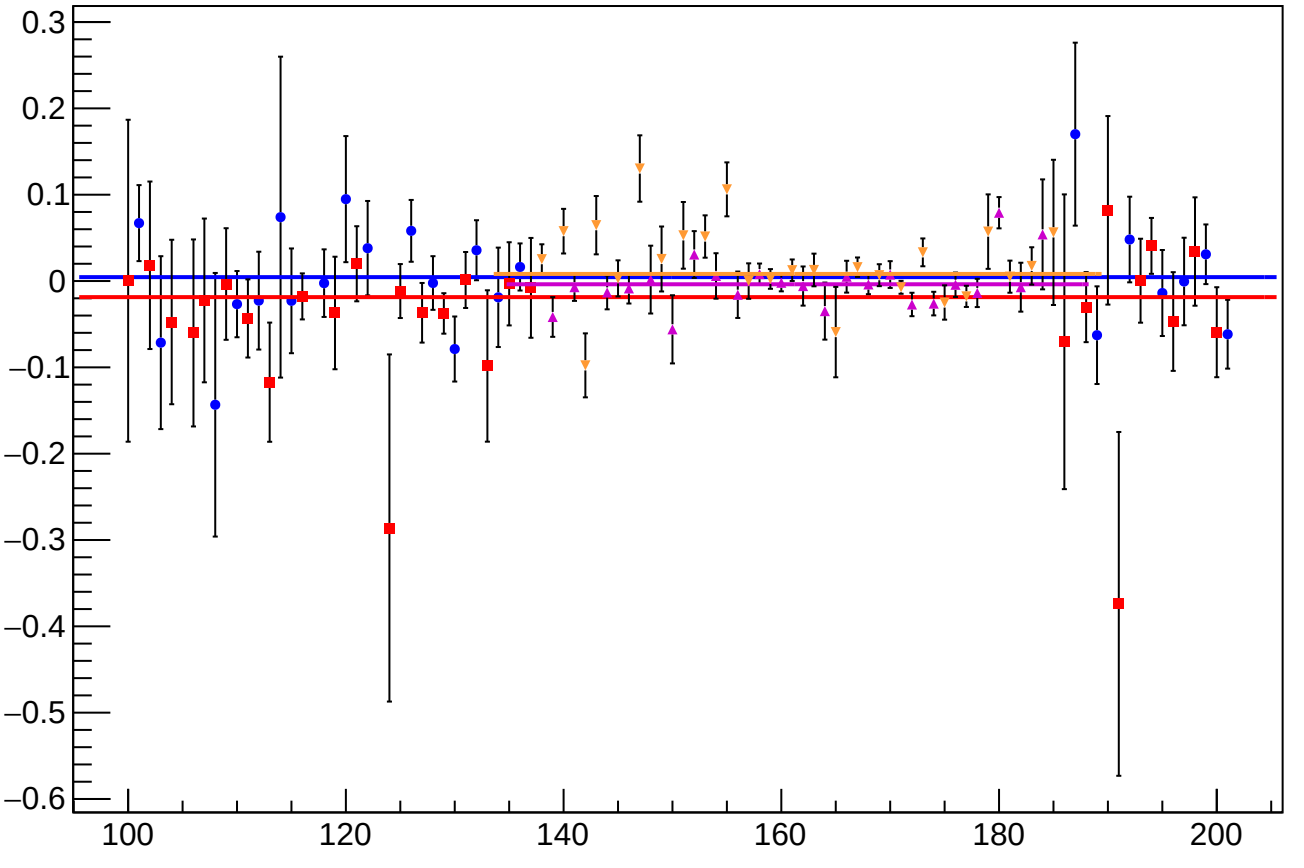
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 22873634.2/50

In: 0.000+/-0.000 χ^2/NDF:21809474.9/45

Out: 0.000+/-0.000 χ^2/NDF:26930282.2/52

All: 0.000+/-0.000 χ^2/NDF: 48745588.2/98



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: -0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

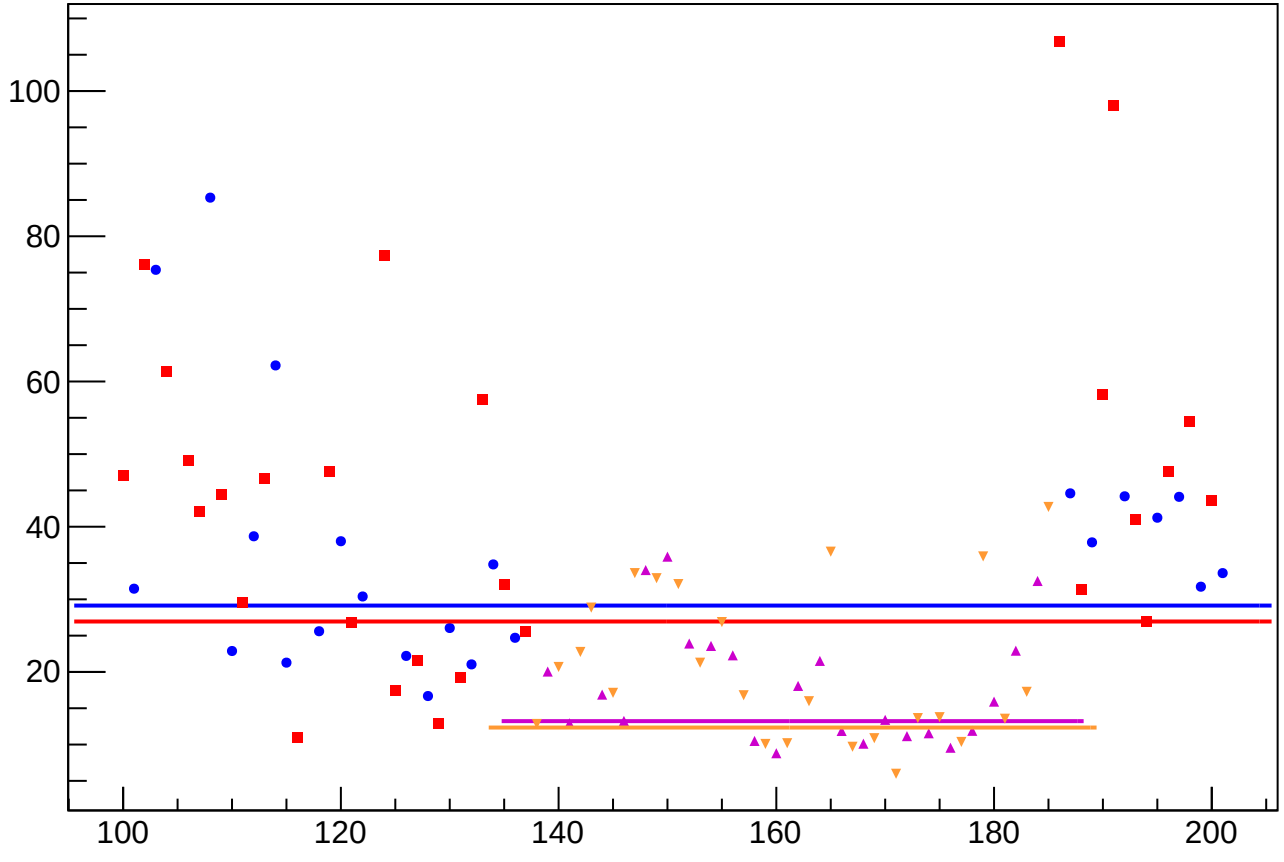
Right: -0.008+/-0.007 χ^2/NDF: 43.3/50

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 147.1/98

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: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

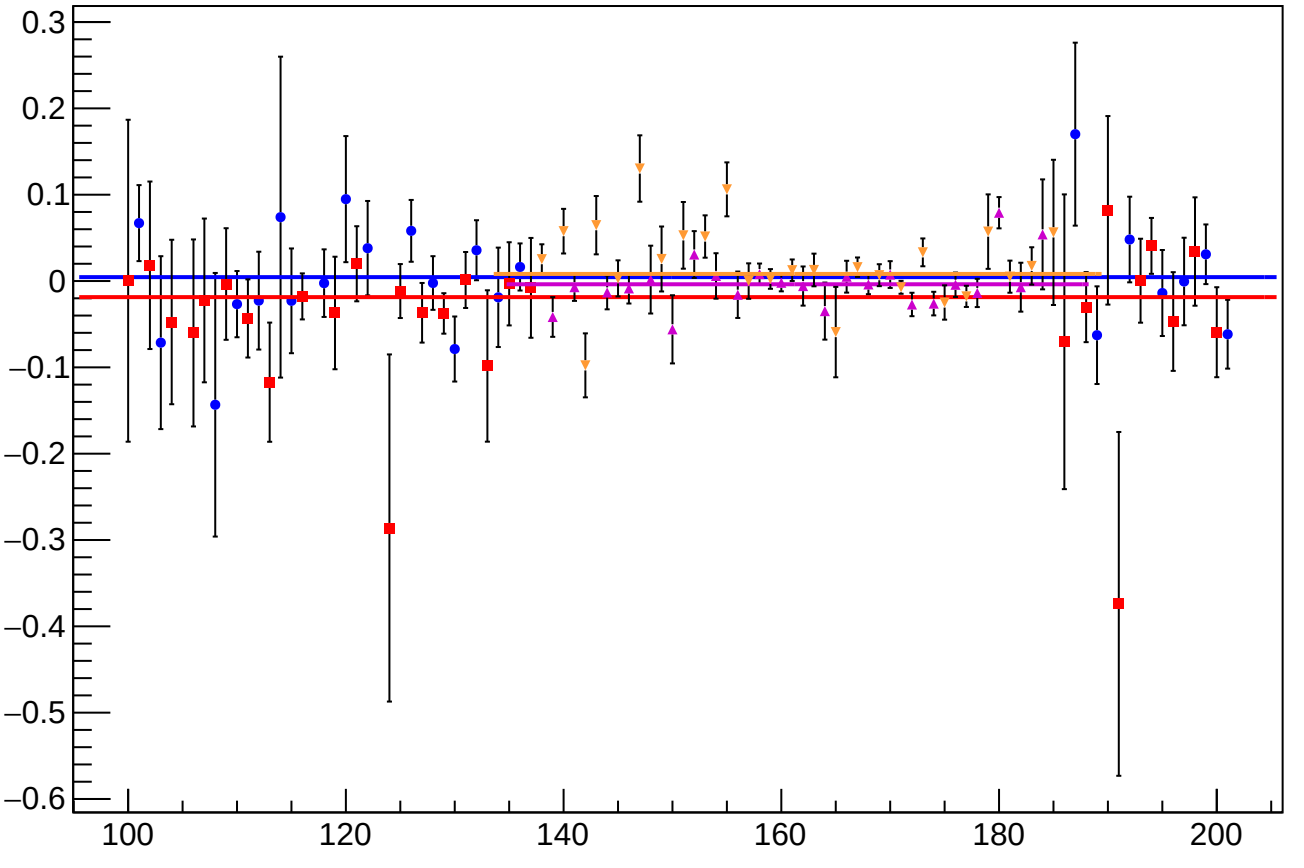
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.000+/-0.005 χ^2/NDF: 7733769.2/50

In: 15.273+/-0.002 χ^2/NDF:10957524.3/45

Out: 14.188+/-0.002 χ^2/NDF:16788960.9/52

All: 14.704+/-0.002 χ^2/NDF: 27853815.2/98



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: -0.019+/-0.009 χ^2/NDF: 17.0/27

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

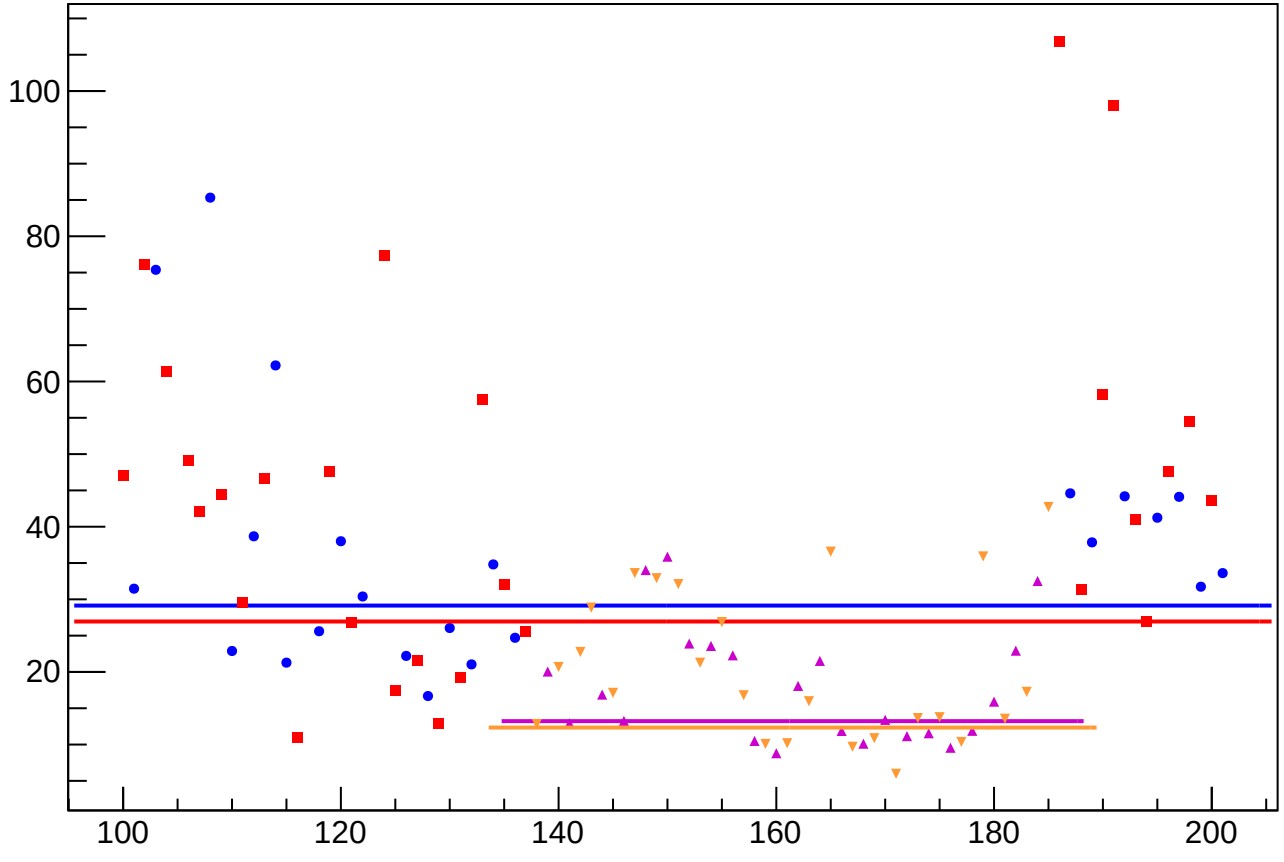
Right: -0.008+/-0.007 χ^2/NDF: 43.3/50

In: -0.003+/-0.003 χ^2/NDF:61.0/45

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 147.1/98

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: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

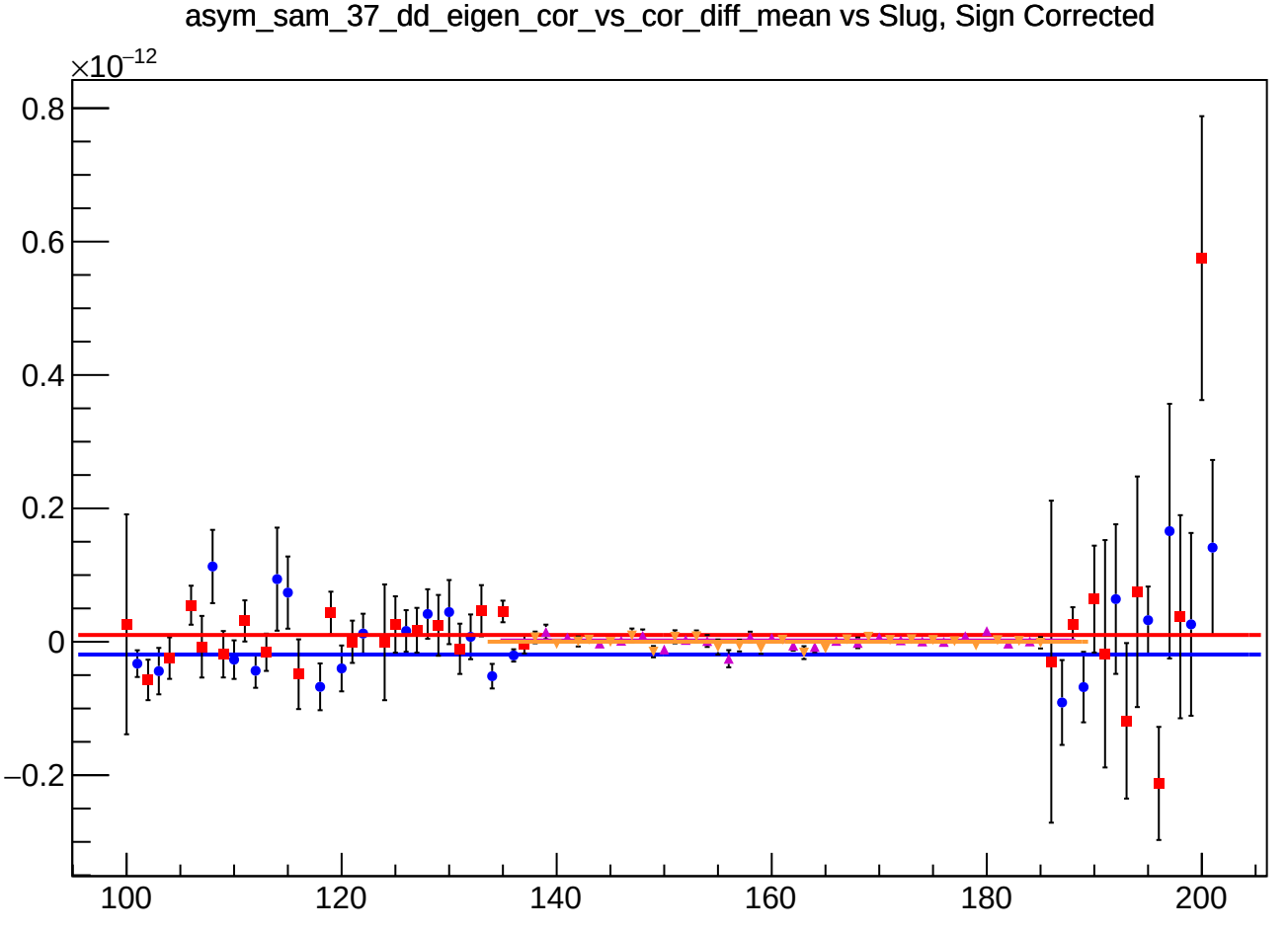
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.000+/-0.005 χ^2/NDF: 7733769.2/50

In: 15.273+/-0.002 χ^2/NDF:10957524.3/45

Out: 14.188+/-0.002 χ^2/NDF:16788960.9/52

All: 14.704+/-0.002 χ^2/NDF: 27853815.2/98



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: 36.6/27

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

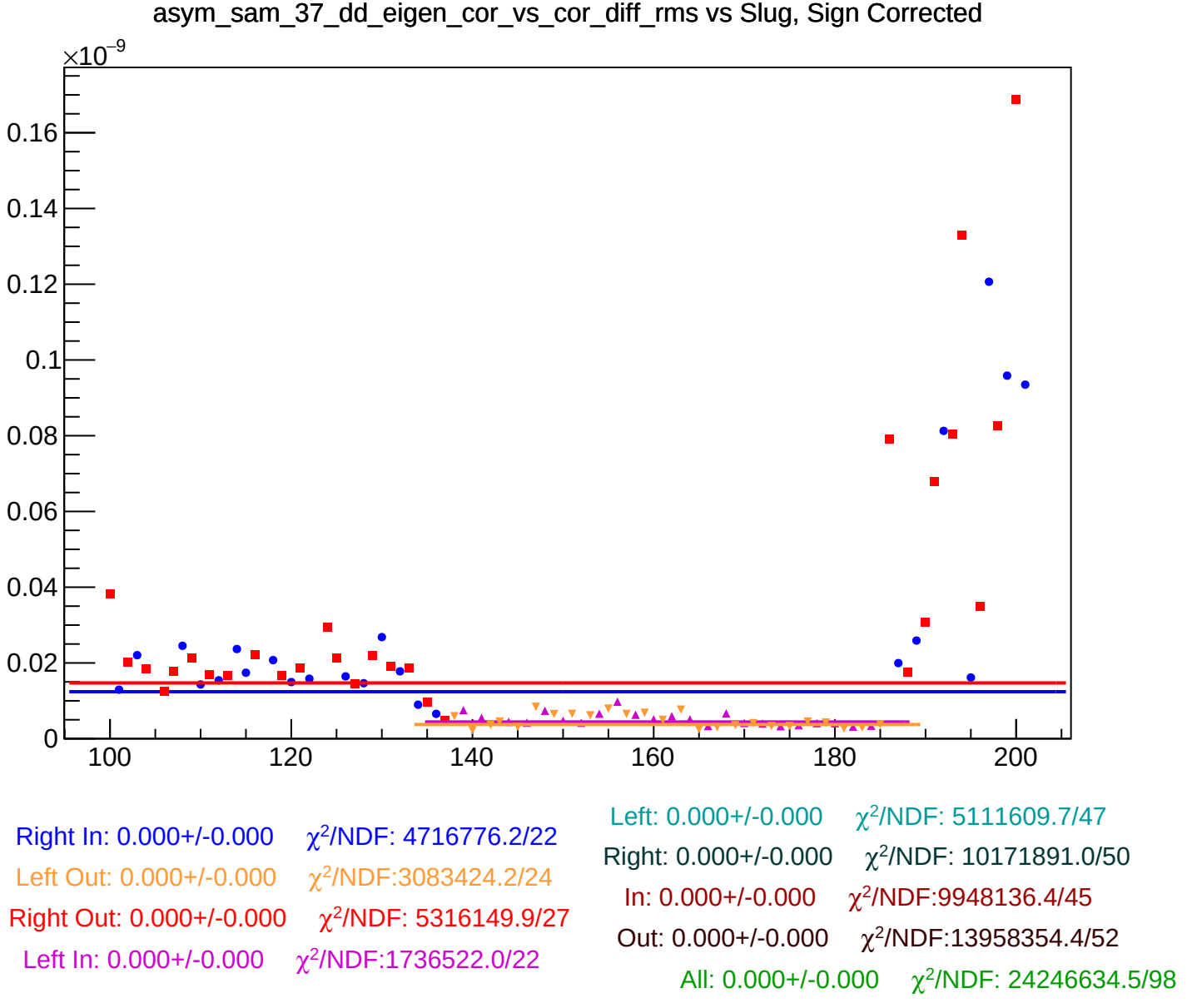
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 79.6/50

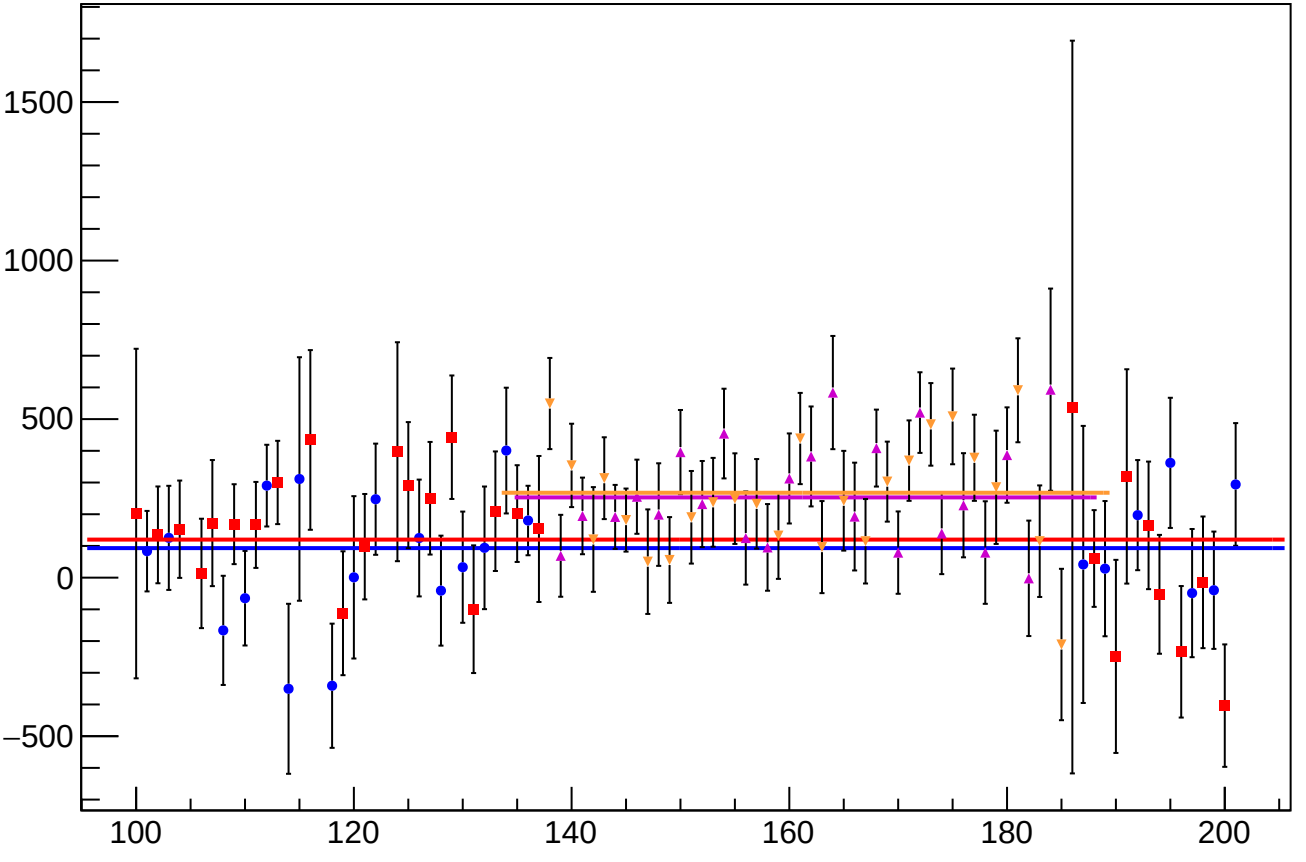
In: 0.000+/-0.000 χ^2/NDF:69.4/45

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: 0.000+/-0.000 χ^2/NDF: 129.9/98


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: 5316149.9/27
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: 10171891.0/50
In: 0.000+/-0.000 χ²/NDF:9948136.4/45
Out: 0.000+/-0.000 χ²/NDF:13958354.4/52
All: 0.000+/-0.000 χ²/NDF: 24246634.5/98

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 120.014+/-35.484 χ^2/NDF: 25.4/27

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

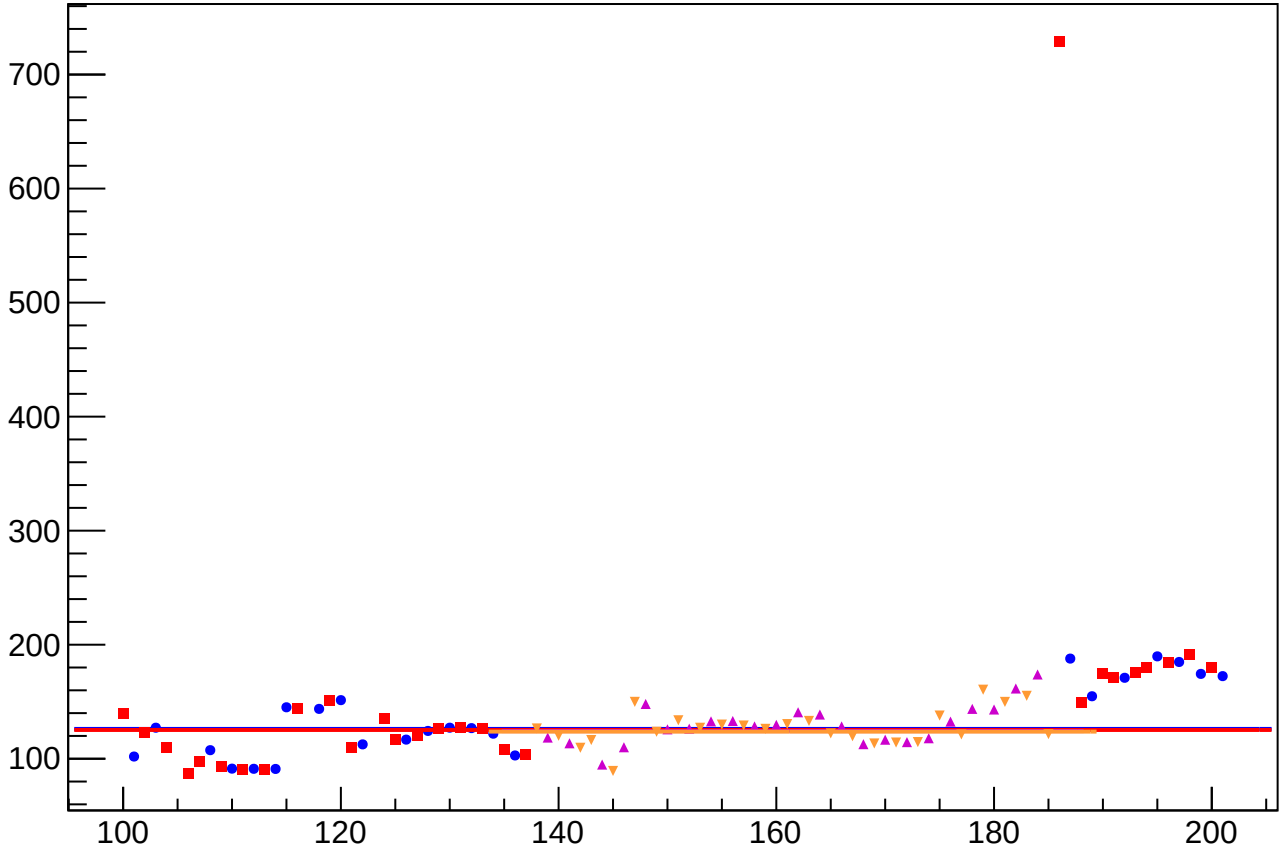
Right: 107.157+/-25.632 χ^2/NDF: 48.4/50

In: 191.515+/-22.992 χ^2/NDF:60.3/45

Out: 210.066+/-22.176 χ^2/NDF:67.0/52

All: 201.126+/-15.962 χ^2/NDF: 127.7/98

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: 125.245+/-0.025 χ^2/NDF: 2184099.8/27

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

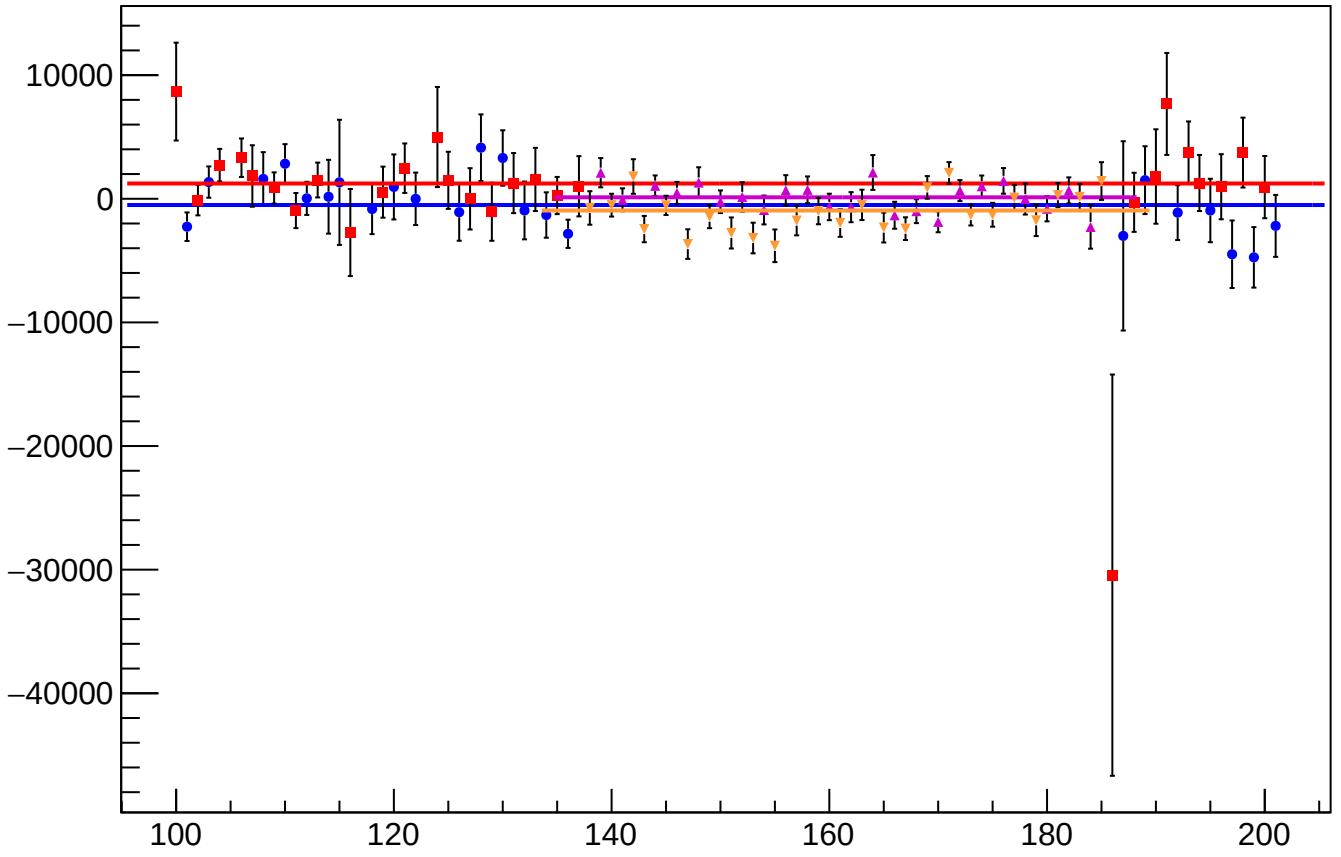
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 125.668+/-0.018 χ^2/NDF: 3541482.0/50

In: 124.979+/-0.016 χ^2/NDF:1917137.5/45

Out: 124.369+/-0.016 χ^2/NDF:2784544.2/52

All: 124.663+/-0.011 χ^2/NDF: 4702410.9/98



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: 1235.461+/-387.009 χ^2/NDF: 23.1/27

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

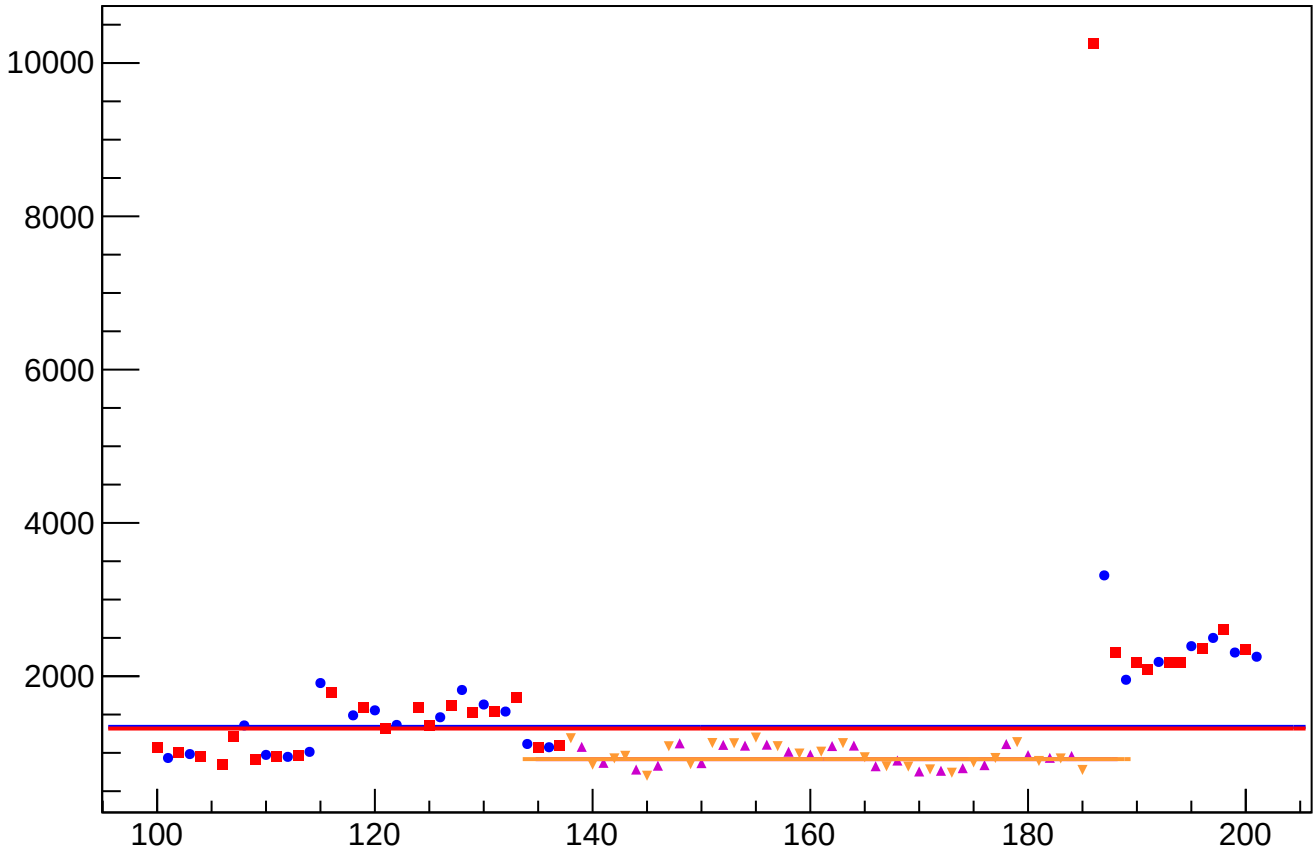
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 408.750+/-280.438 χ^2/NDF: 59.9/50

In: -19.826+/-191.591 χ^2/NDF:53.4/45

Out: -444.568+/-185.792 χ^2/NDF:97.9/52

All: -238.723+/-133.378 χ^2/NDF: 153.8/98



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: 1317.636+/-0.274 χ^2/NDF: 3934154.3/27

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

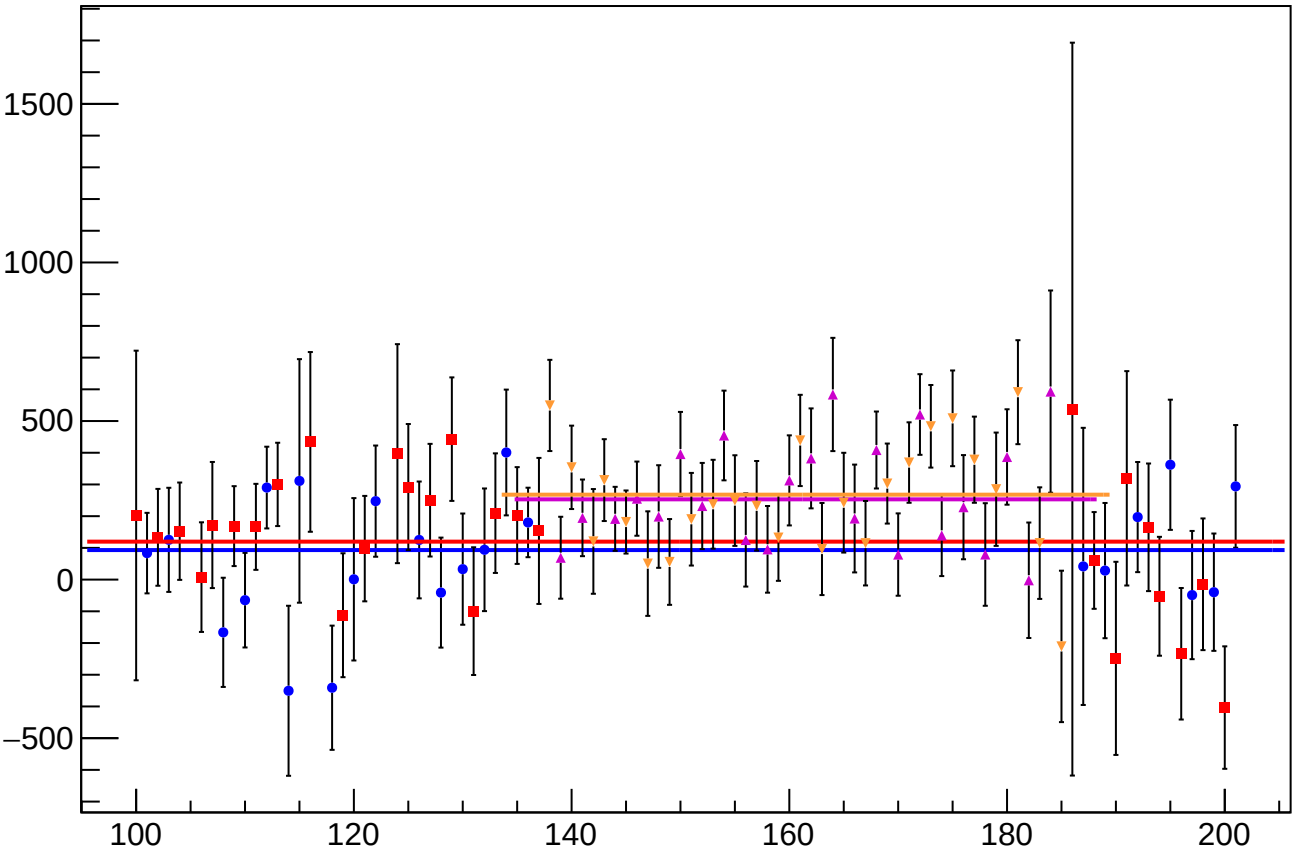
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1327.807+/-0.198 χ^2/NDF: 6751760.1/50

In: 1011.497+/-0.135 χ^2/NDF:5145778.5/45

Out: 1010.489+/-0.131 χ^2/NDF:6458991.5/52

All: 1010.978+/-0.094 χ^2/NDF: 11604798.6/9



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: 119.707+/-35.488 χ^2/NDF: 25.5/27

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

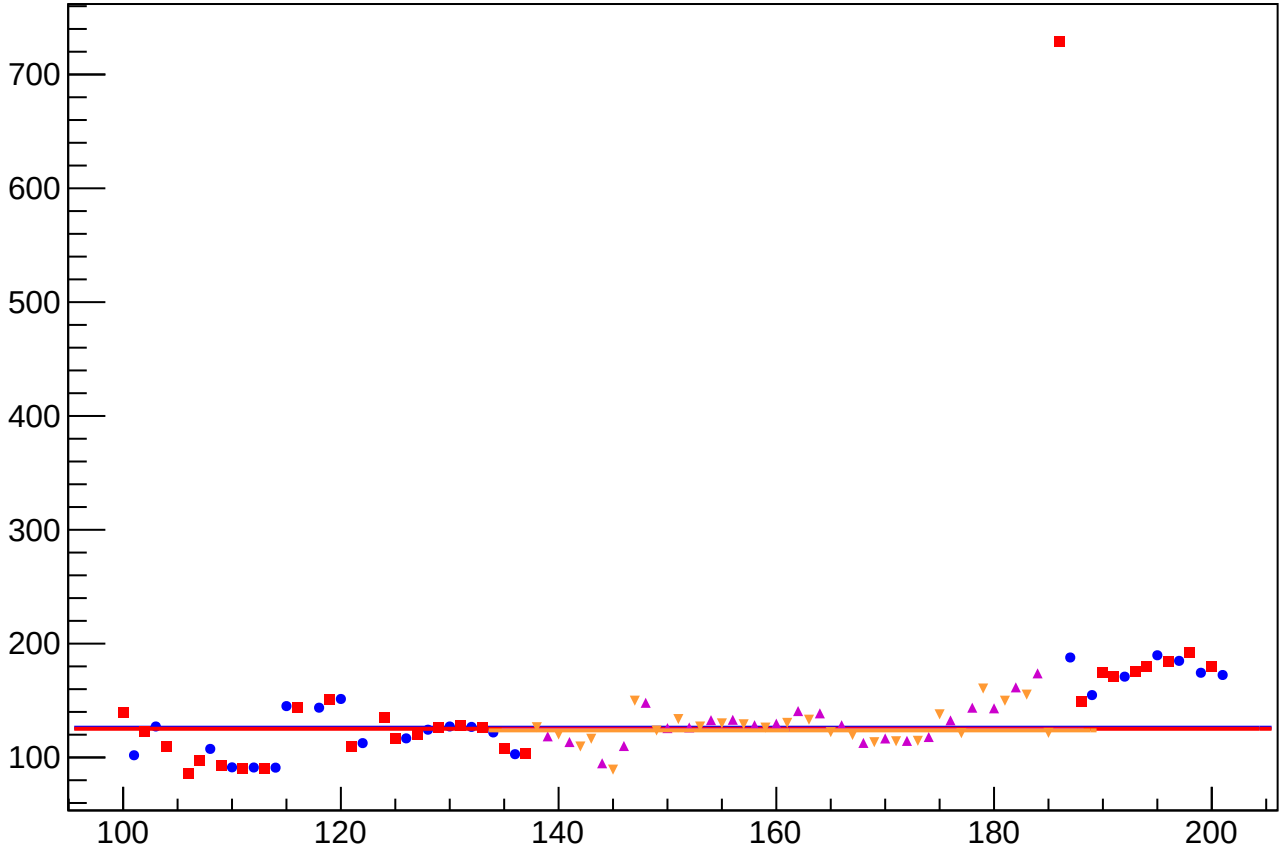
Right: 106.990+/-25.633 χ^2/NDF: 48.4/50

In: 191.513+/-22.992 χ^2/NDF:60.3/45

Out: 209.959+/-22.177 χ^2/NDF:67.1/52

All: 201.069+/-15.962 χ^2/NDF: 127.7/98

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: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

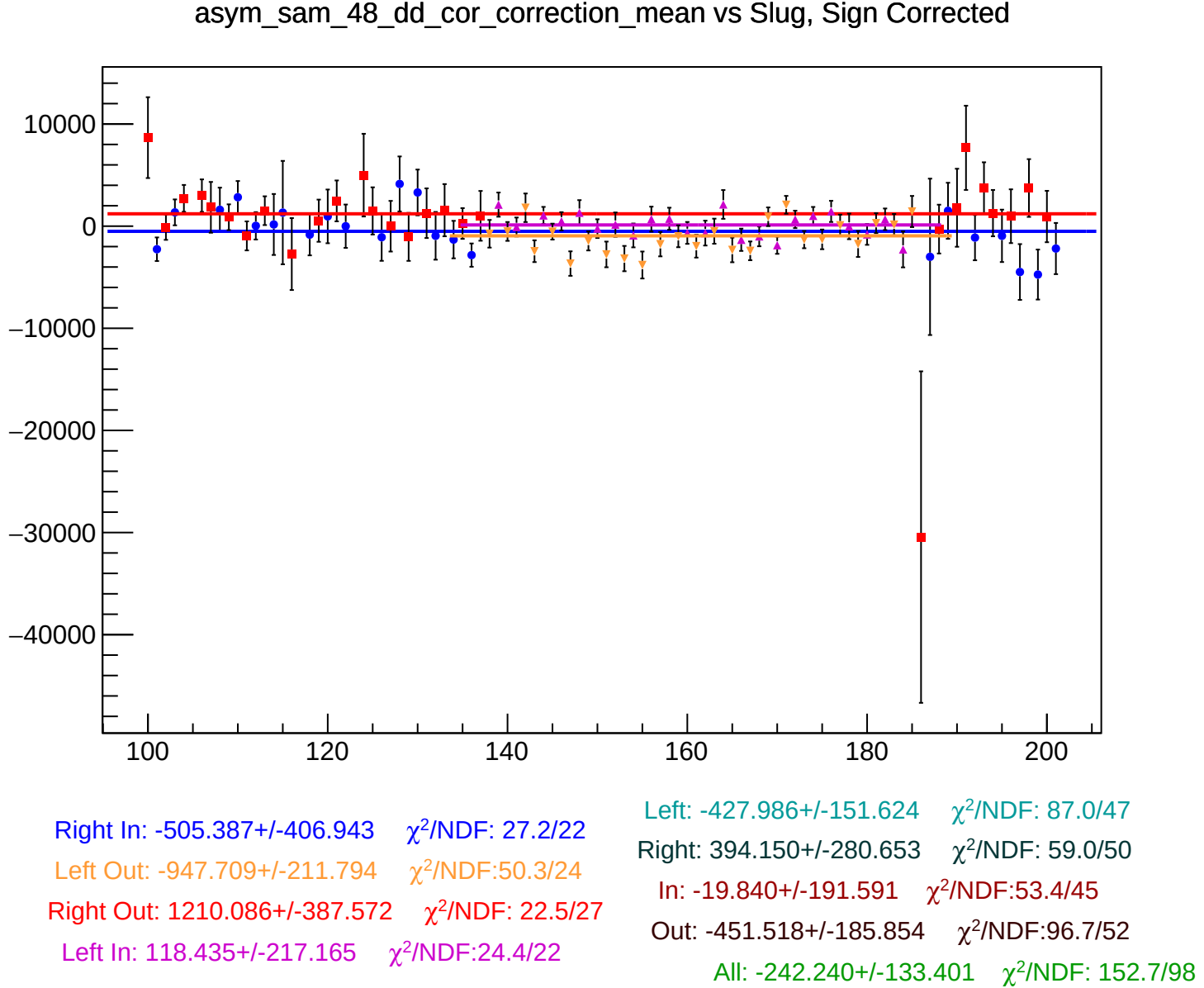
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

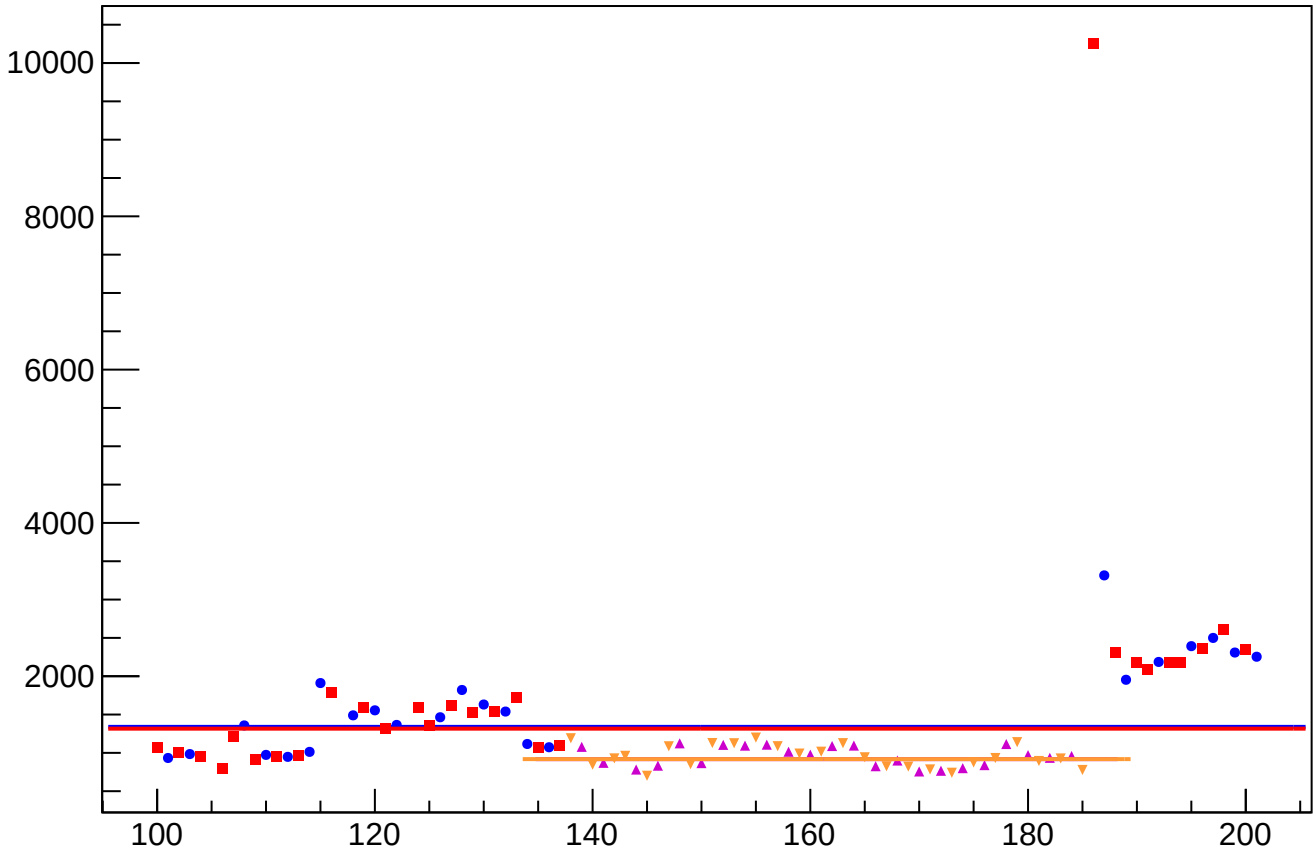
Right: 125.648+/-0.018 χ^2/NDF: 3547104.4/50

In: 124.979+/-0.016 χ^2/NDF:1917137.7/45

Out: 124.353+/-0.016 χ^2/NDF:2790003.8/52

All: 124.655+/-0.011 χ^2/NDF: 4707908.1/98


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: 1210.086+/-387.572 χ²/NDF: 22.5/27
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 394.150+/-280.653 χ²/NDF: 59.0/50
In: -19.840+/-191.591 χ²/NDF:53.4/45
Out: -451.518+/-185.854 χ²/NDF:96.7/52
All: -242.240+/-133.401 χ²/NDF: 152.7/98



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: 1316.035+/-0.274 χ^2/NDF: 3964916.5/27

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

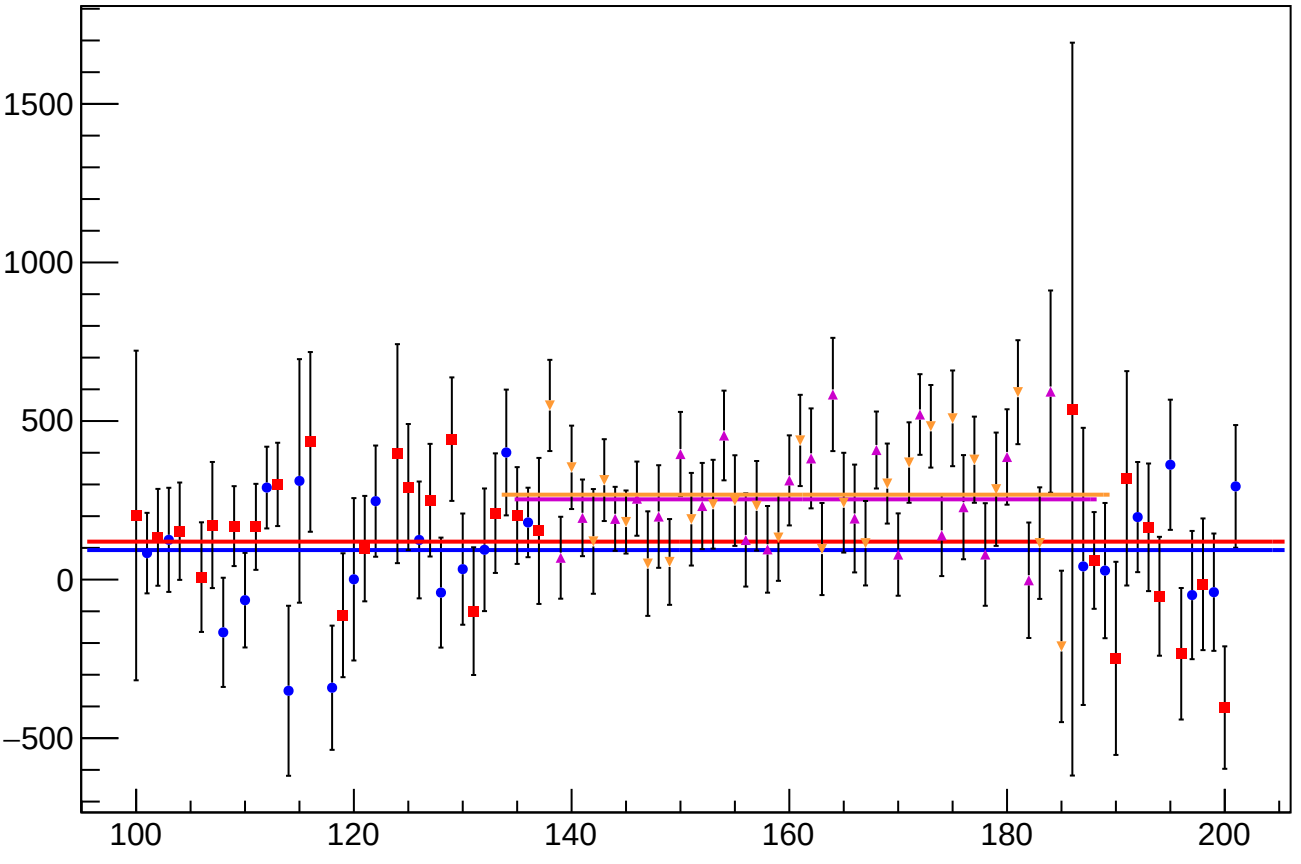
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1326.988+/-0.198 χ^2/NDF: 6782901.9/50

In: 1011.499+/-0.135 χ^2/NDF:5145773.9/45

Out: 1009.915+/-0.131 χ^2/NDF:6473014.2/52

All: 1010.683+/-0.094 χ^2/NDF: 11618858.5/9



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: 119.707+/-35.488 χ^2/NDF: 25.5/27

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

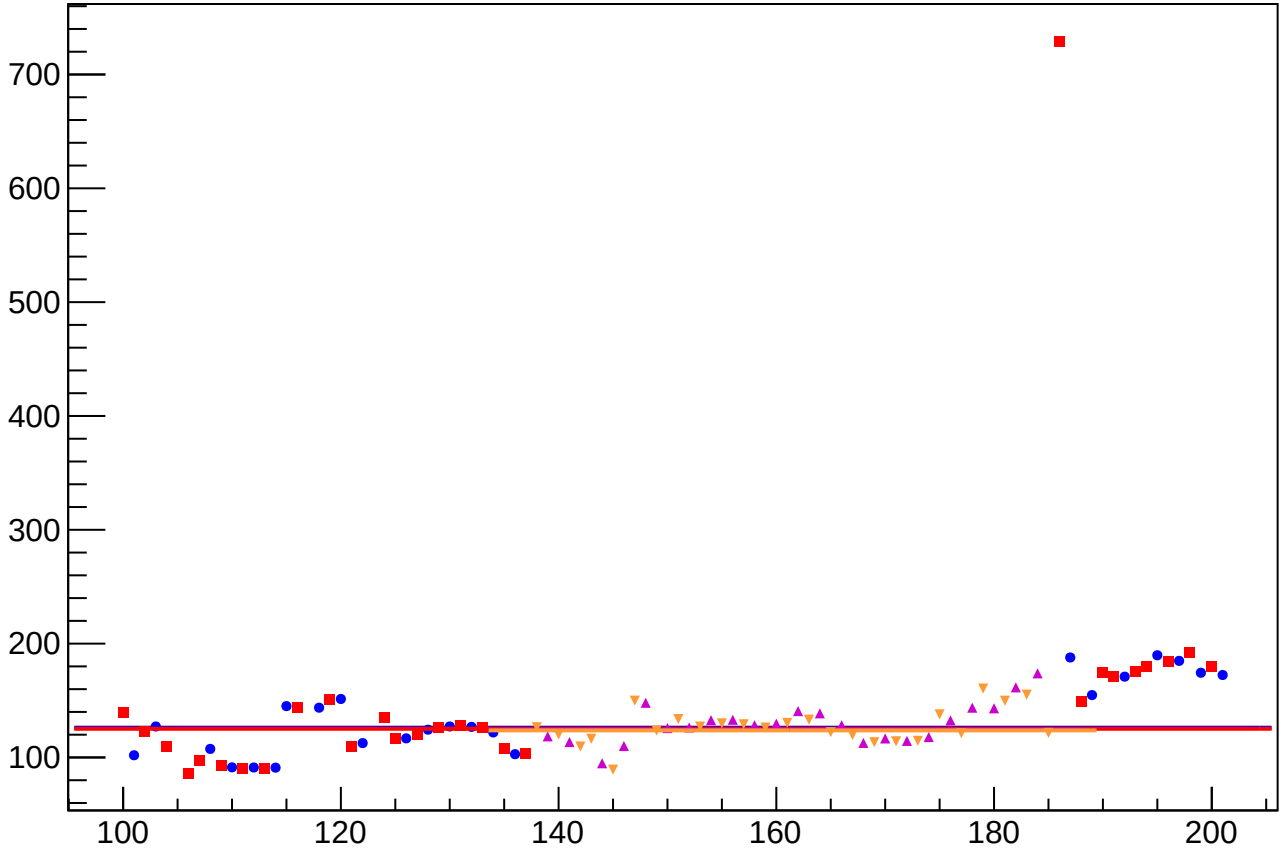
Right: 106.990+/-25.633 χ^2/NDF: 48.4/50

In: 191.513+/-22.992 χ^2/NDF:60.3/45

Out: 209.959+/-22.177 χ^2/NDF:67.1/52

All: 201.069+/-15.962 χ^2/NDF: 127.7/98

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: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

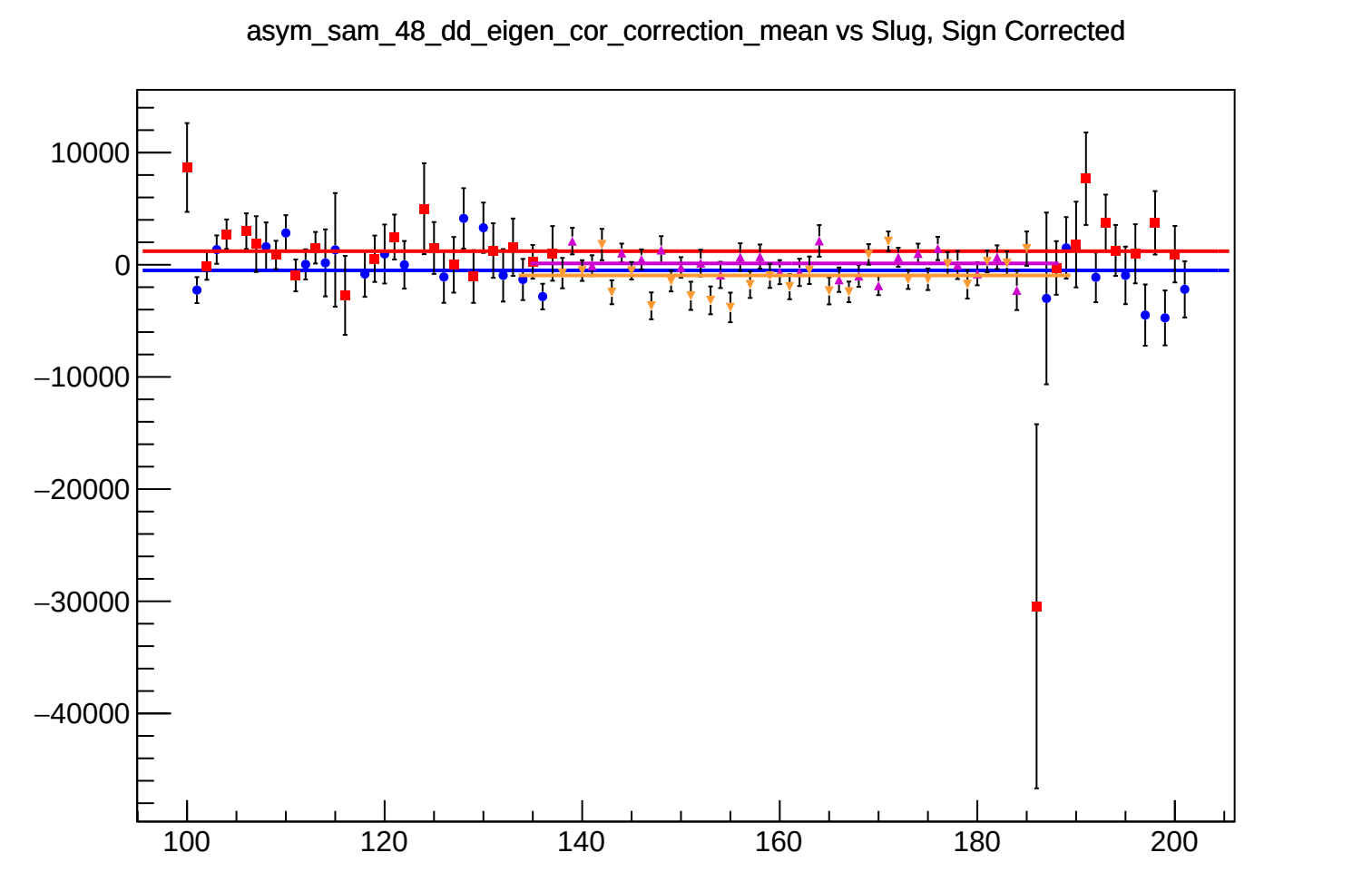
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 125.648+/-0.018 χ^2/NDF: 3547104.4/50

In: 124.979+/-0.016 χ^2/NDF:1917137.7/45

Out: 124.353+/-0.016 χ^2/NDF:2790003.8/52

All: 124.655+/-0.011 χ^2/NDF: 4707908.1/98



Right In: -505.387+/-406.943 χ^2/NDF: 27.2/22

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1210.086+/-387.572 χ^2/NDF: 22.5/27

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

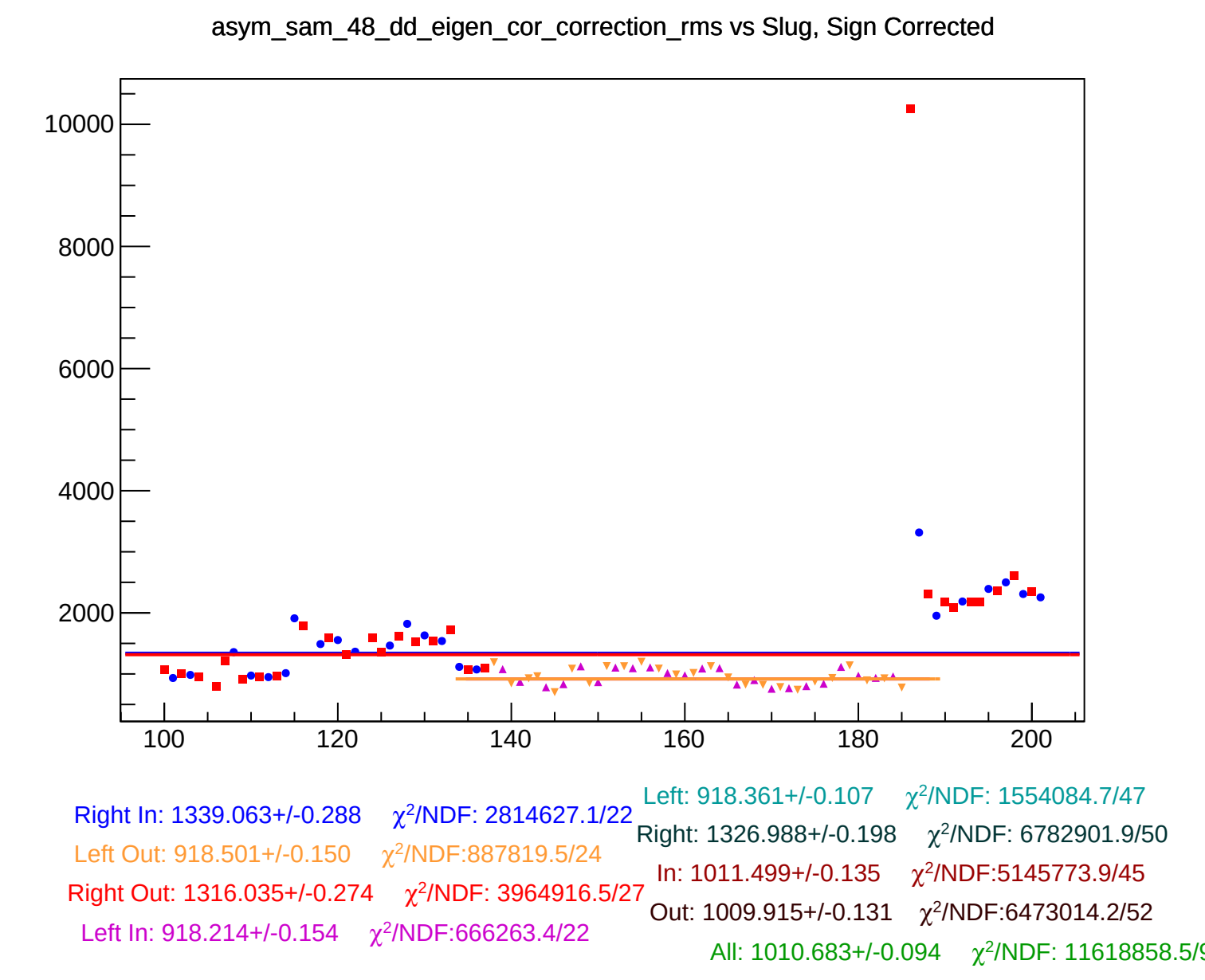
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 394.150+/-280.653 χ^2/NDF: 59.0/50

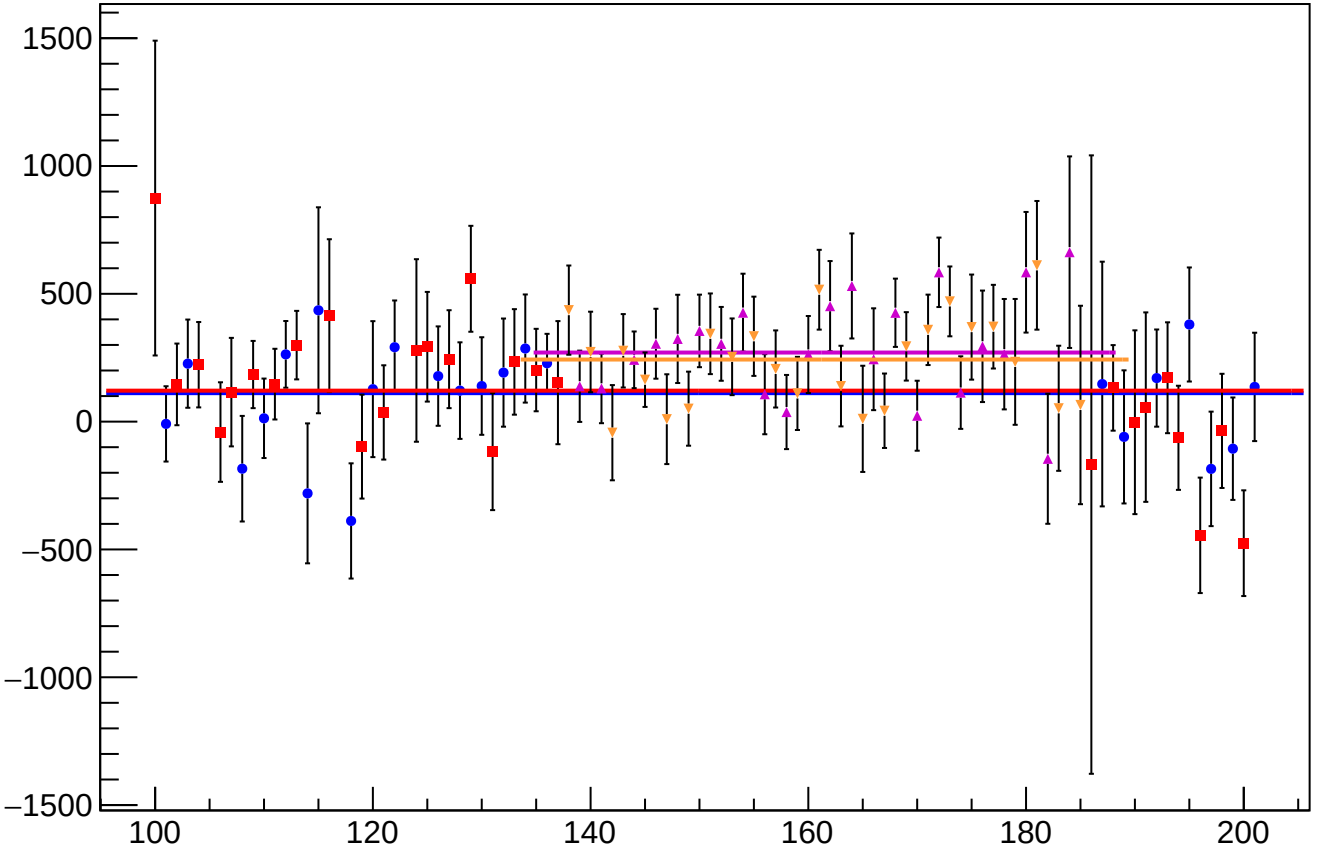
In: -19.840+/-191.591 χ^2/NDF:53.4/45

Out: -451.518+/-185.854 χ^2/NDF:96.7/52

All: -242.240+/-133.401 χ^2/NDF: 152.7/98


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: 1316.035+/-0.274 χ²/NDF: 3964916.5/27
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1326.988+/-0.198 χ²/NDF: 6782901.9/50
In: 1011.499+/-0.135 χ²/NDF:5145773.9/45
Out: 1009.915+/-0.131 χ²/NDF:6473014.2/52
All: 1010.683+/-0.094 χ²/NDF: 11618858.5/9

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: 121.158+/-37.931 χ^2/NDF: 30.5/27

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

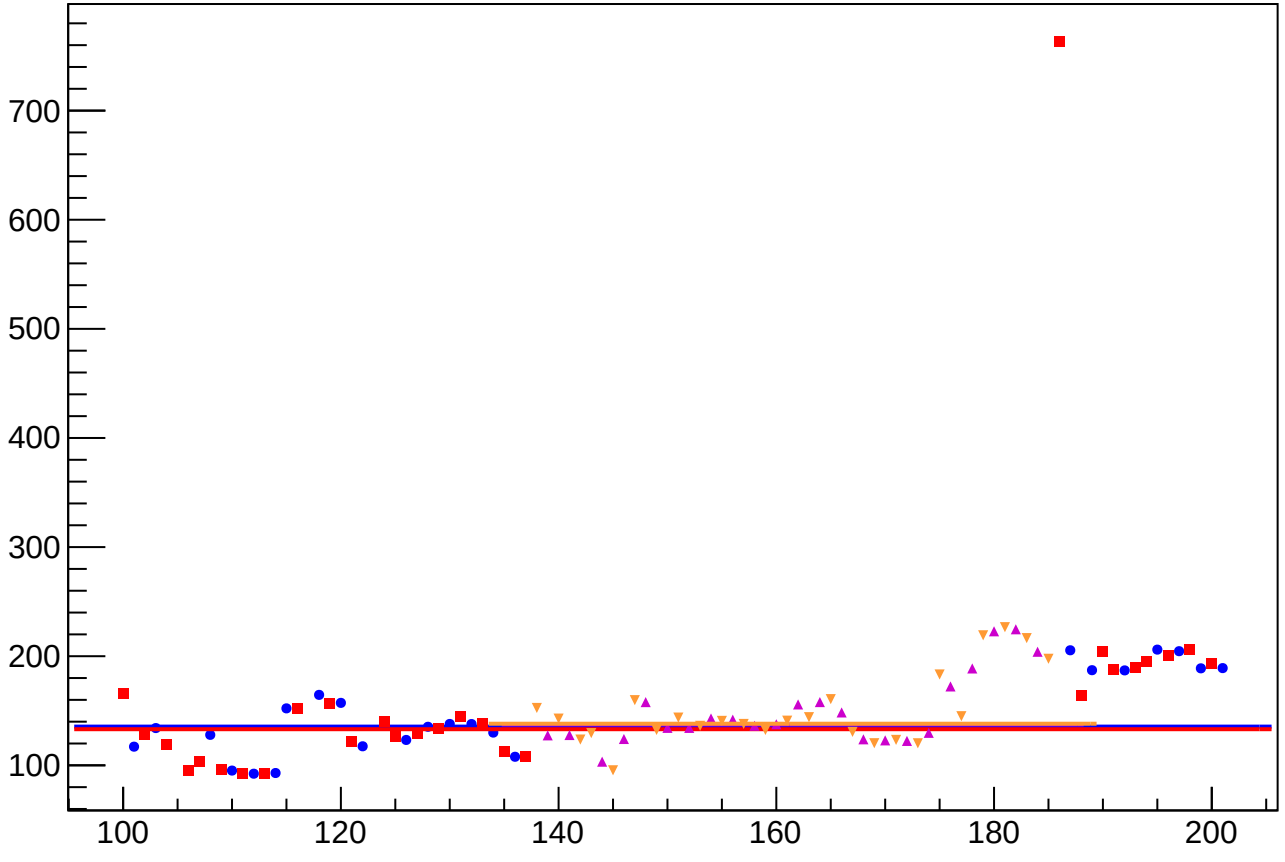
Right: 116.536+/-27.548 χ^2/NDF: 50.9/50

In: 206.298+/-25.426 χ^2/NDF:56.5/45

Out: 192.019+/-24.520 χ^2/NDF:60.1/52

All: 198.899+/-17.650 χ^2/NDF: 116.8/98

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: 133.106+/-0.027 χ^2/NDF: 2368315.7/27

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

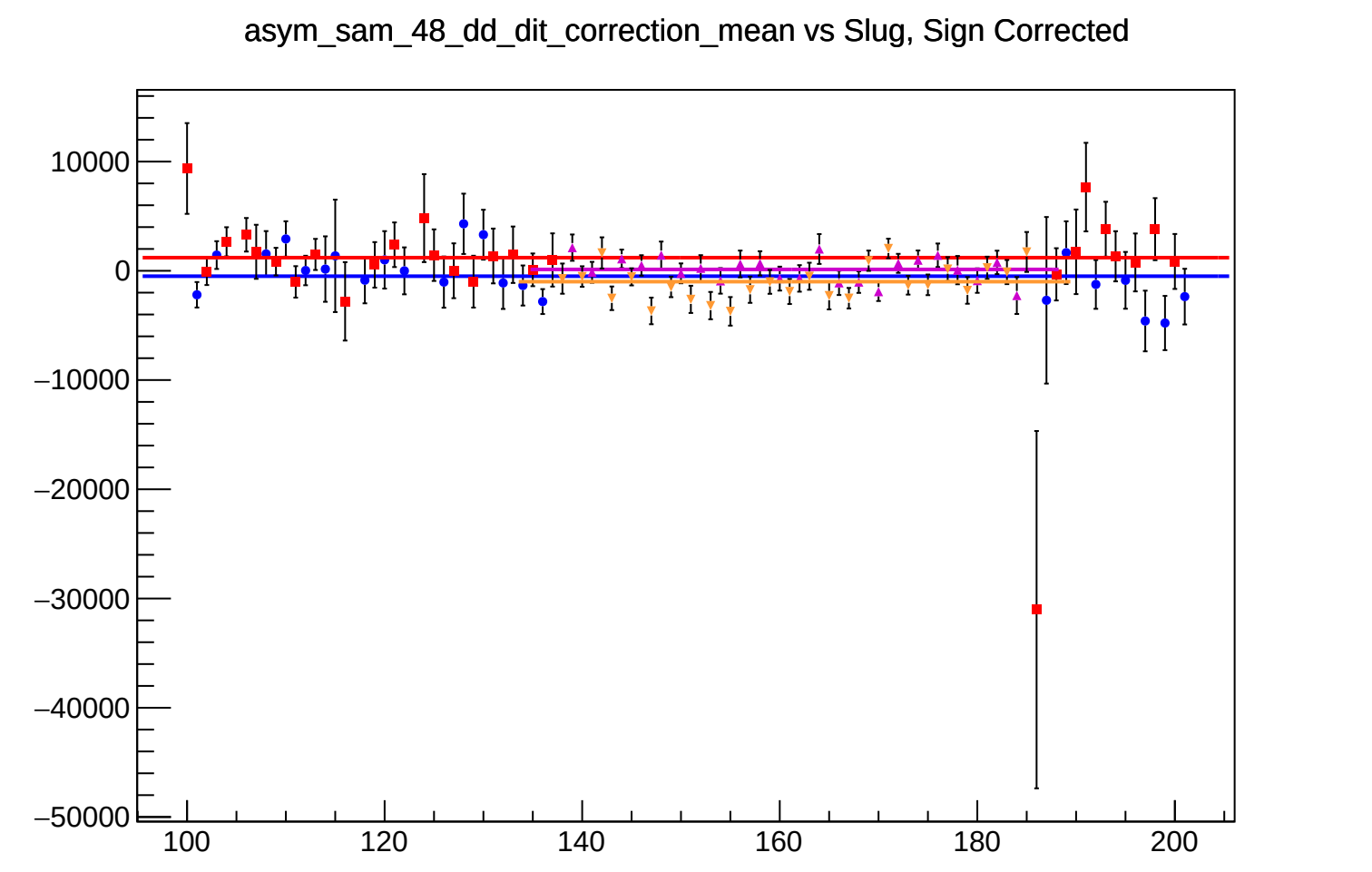
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 134.230+/-0.019 χ^2/NDF: 3931295.9/50

In: 136.683+/-0.018 χ^2/NDF:2671593.6/45

Out: 136.029+/-0.017 χ^2/NDF:3727028.7/52

All: 136.344+/-0.012 χ^2/NDF: 6399309.4/98



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: 1203.287+/-389.529 χ^2/NDF: 23.5/27

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

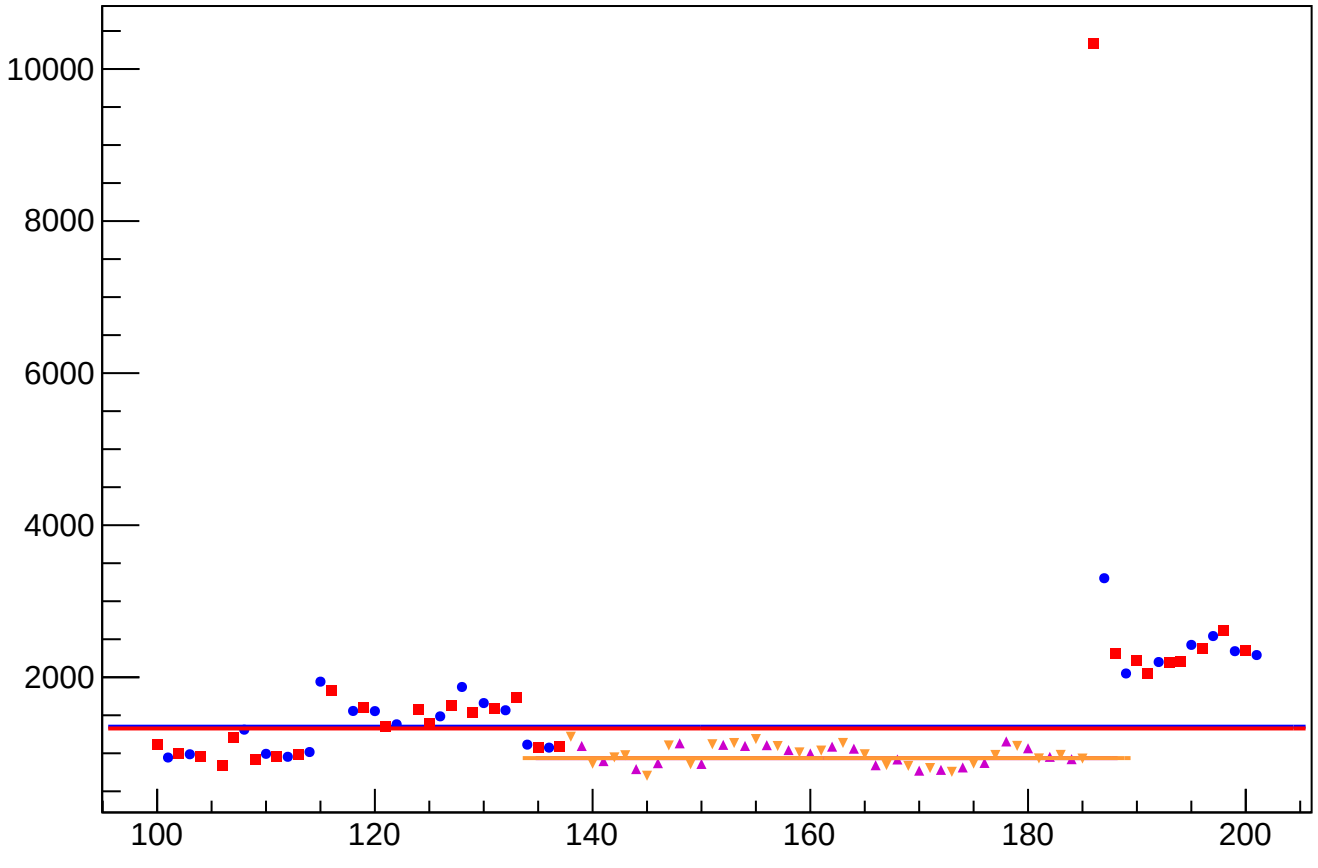
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 399.009+/-282.612 χ^2/NDF: 59.8/50

In: -14.680+/-194.859 χ^2/NDF:52.9/45

Out: -477.943+/-188.668 χ^2/NDF:94.7/52

All: -253.787+/-135.544 χ^2/NDF: 150.6/98



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: 1326.663+/-0.275 χ^2/NDF: 3952907.3/27

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

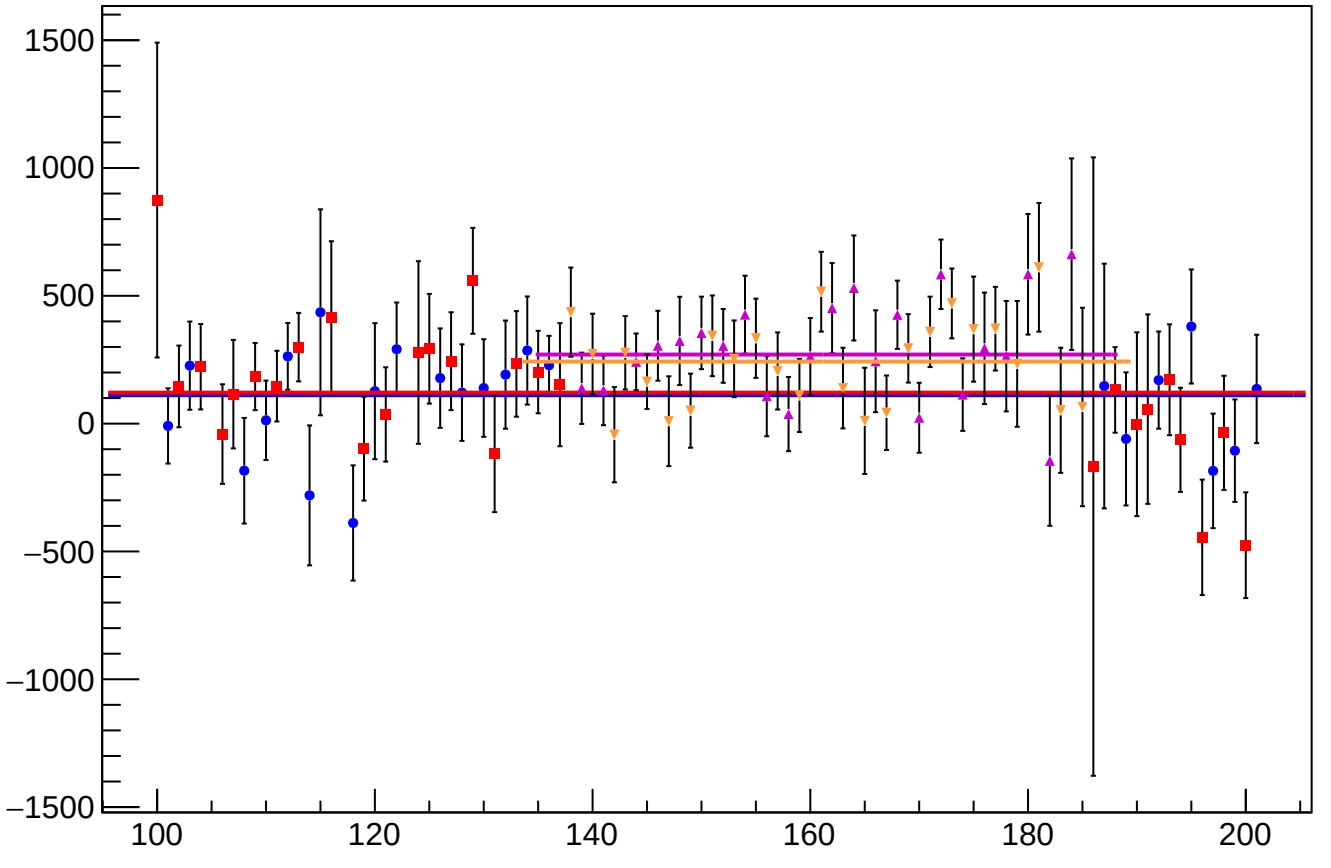
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1337.676+/-0.200 χ^2/NDF: 6840600.1/50

In: 1029.491+/-0.138 χ^2/NDF:5098573.3/45

Out: 1028.217+/-0.133 χ^2/NDF:6319234.1/52

All: 1028.833+/-0.096 χ^2/NDF: 11417851.5/9



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: 121.158+/-37.931 χ^2/NDF: 30.5/27

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

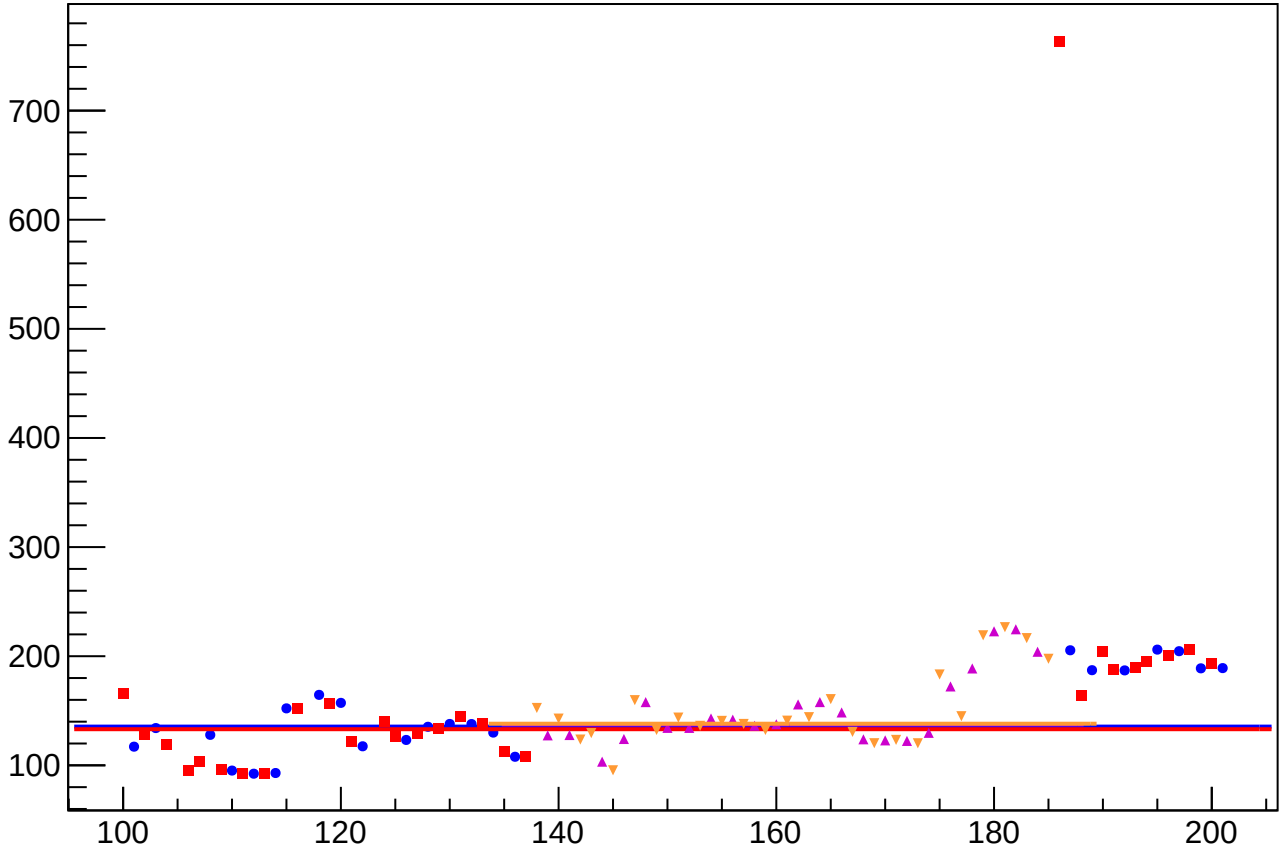
Right: 116.537+/-27.548 χ^2/NDF: 50.9/50

In: 206.299+/-25.426 χ^2/NDF:56.5/45

Out: 192.020+/-24.520 χ^2/NDF:60.1/52

All: 198.901+/-17.650 χ^2/NDF: 116.8/98

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: 133.106+/-0.027 χ^2/NDF: 2368318.8/27

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

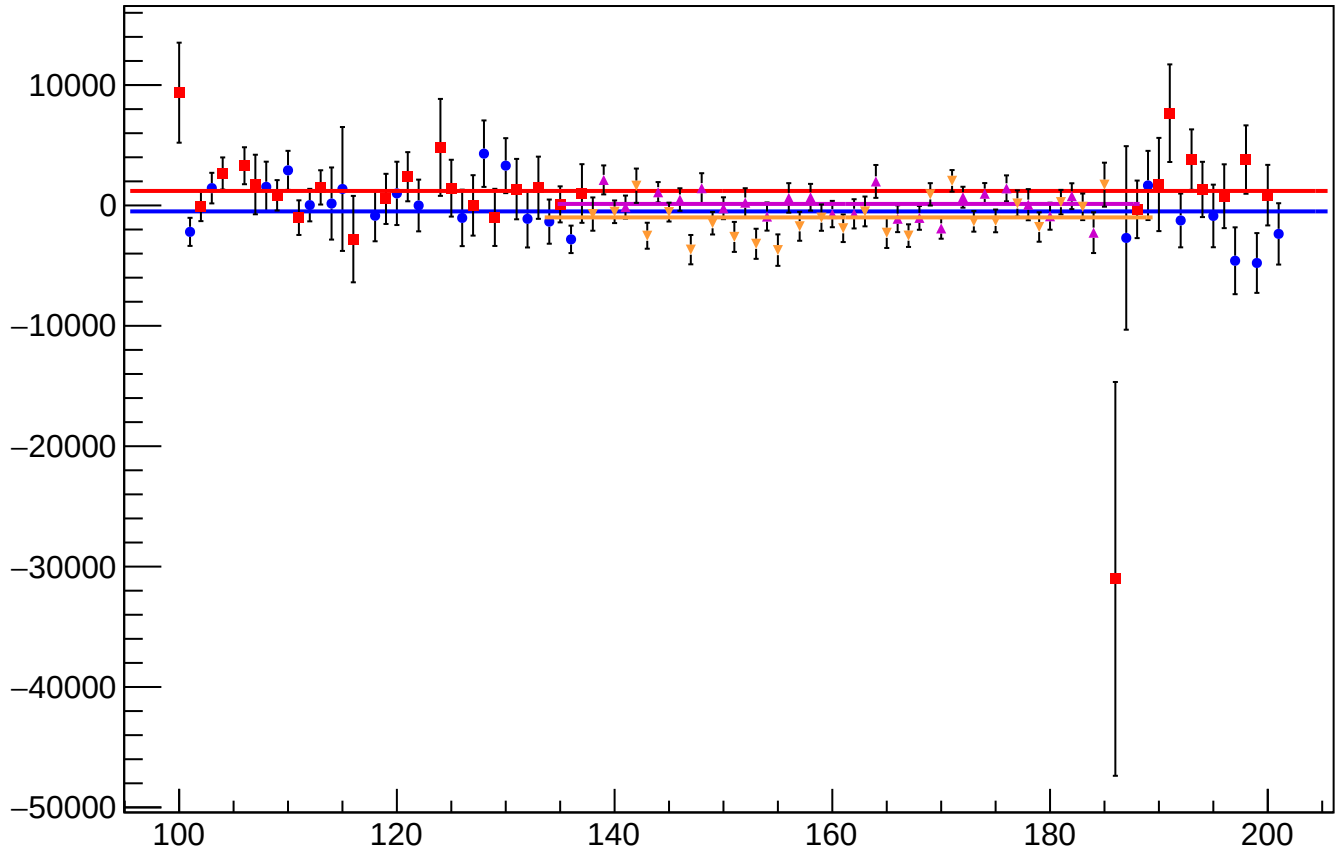
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 134.230+/-0.019 χ^2/NDF: 3931288.7/50

In: 136.683+/-0.018 χ^2/NDF:2671569.6/45

Out: 136.029+/-0.017 χ^2/NDF:3727035.2/52

All: 136.344+/-0.012 χ^2/NDF: 6399291.9/98



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: 1203.287+/-389.529 χ^2/NDF: 23.5/27

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

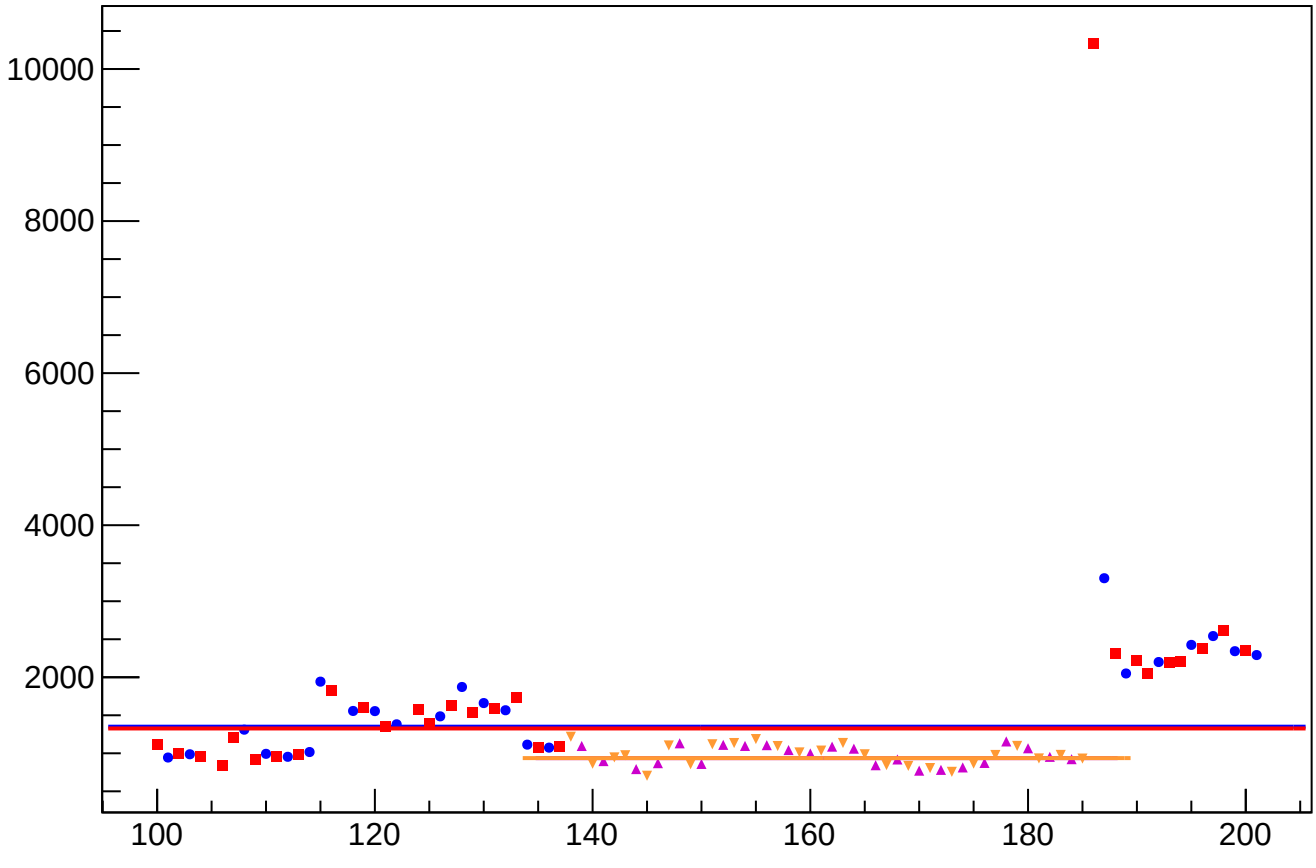
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 399.009+/-282.612 χ^2/NDF: 59.8/50

In: -14.681+/-194.858 χ^2/NDF:52.9/45

Out: -477.942+/-188.668 χ^2/NDF:94.7/52

All: -253.786+/-135.544 χ^2/NDF: 150.6/98



Right In: 1349.917+/-0.290 χ^2/NDF: 2884312.7/22

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1326.662+/-0.275 χ^2/NDF: 3952900.8/27

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

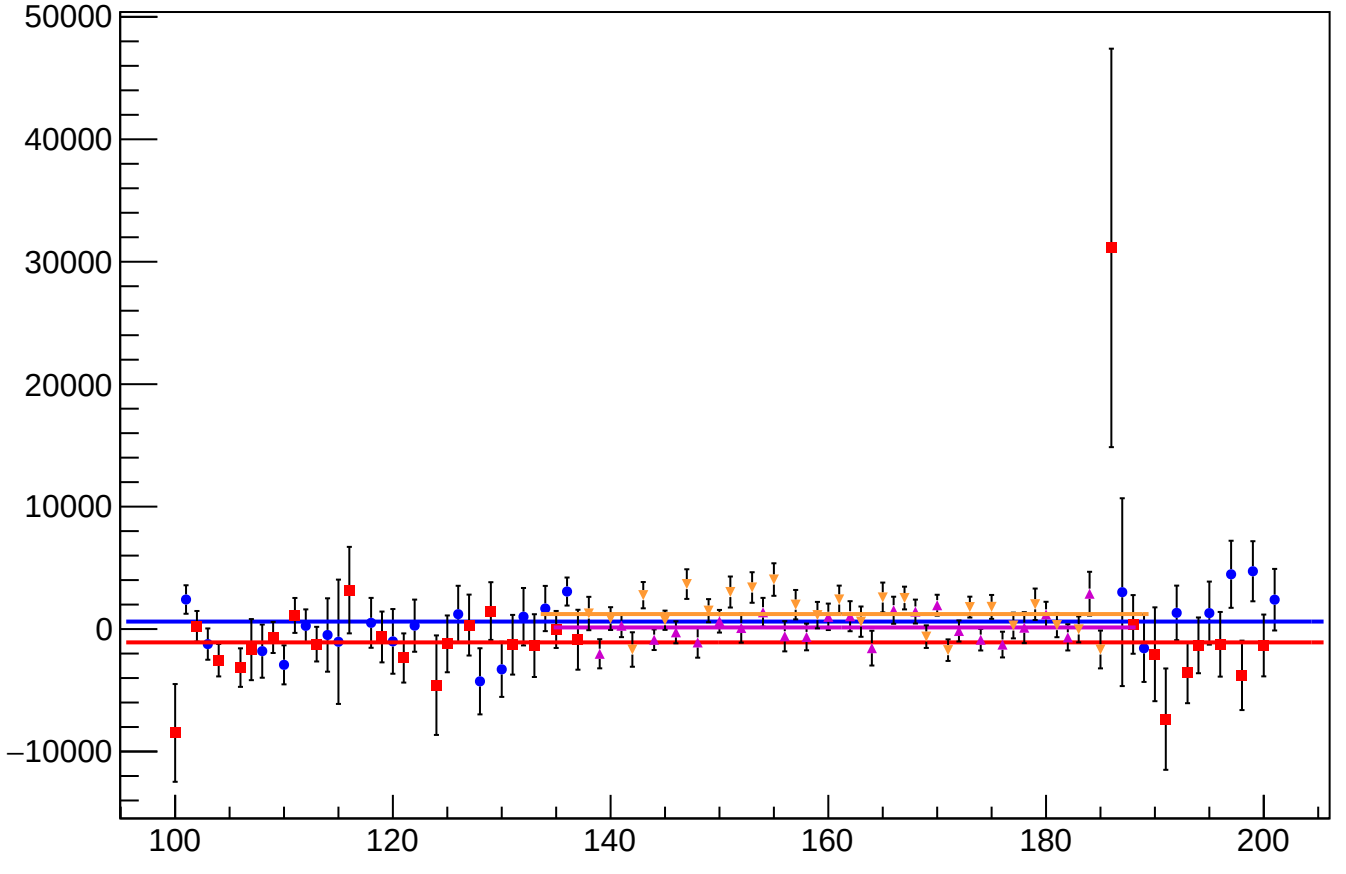
Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

Right: 1337.676+/-0.200 χ^2/NDF: 6840589.5/50

In: 1029.490+/-0.138 χ^2/NDF:5098574.8/45

Out: 1028.216+/-0.133 χ^2/NDF:6319237.8/52

All: 1028.832+/-0.096 χ^2/NDF: 11417856.7/9



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: -1087.752+/-389.015 χ^2/NDF: 23.2/27

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

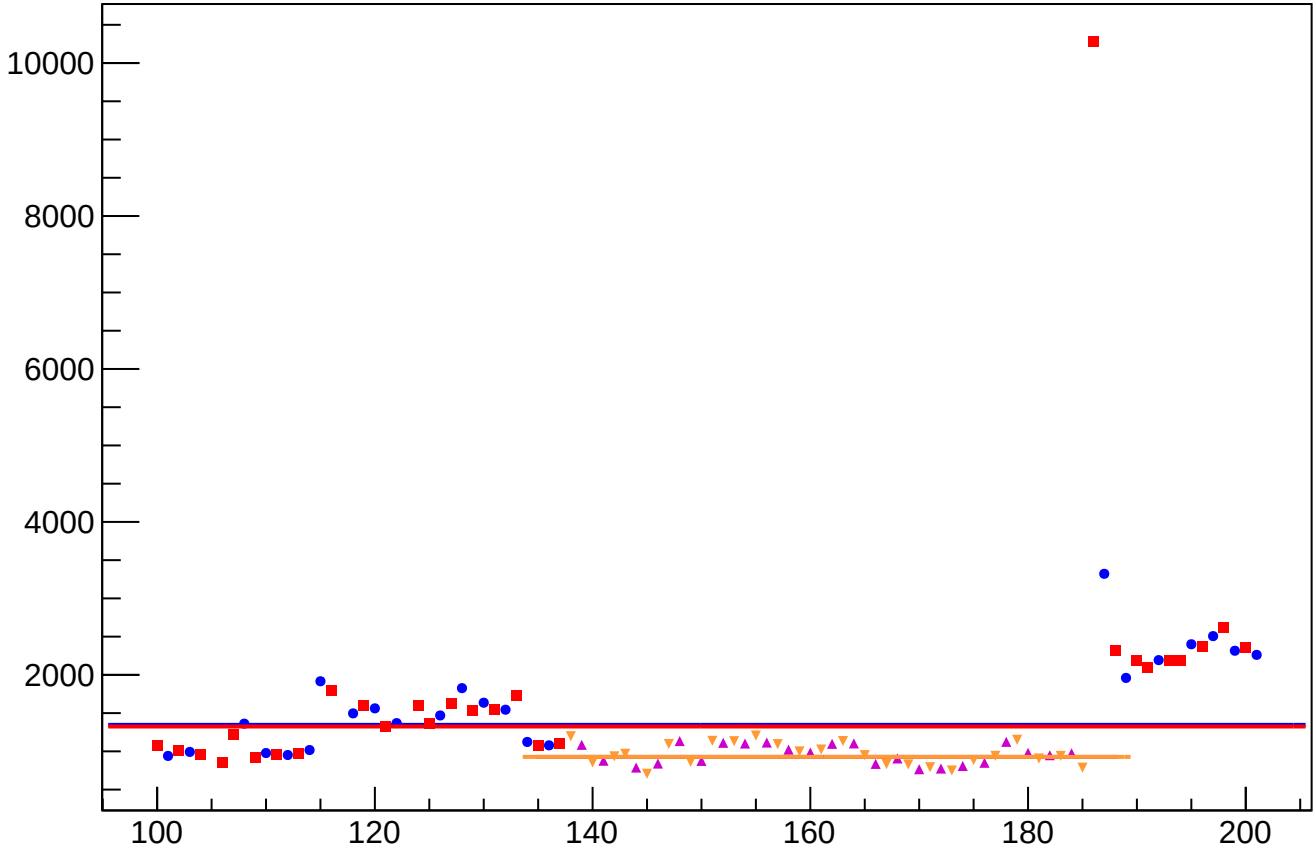
Right: -280.211+/-281.868 χ^2/NDF: 61.1/50

In: 239.897+/-193.253 χ^2/NDF:55.7/45

Out: 688.718+/-187.396 χ^2/NDF:98.9/52

All: 471.212+/-134.532 χ^2/NDF: 157.4/98

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: 1324.877+/-0.275 χ^2/NDF: 3913406.4/27

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

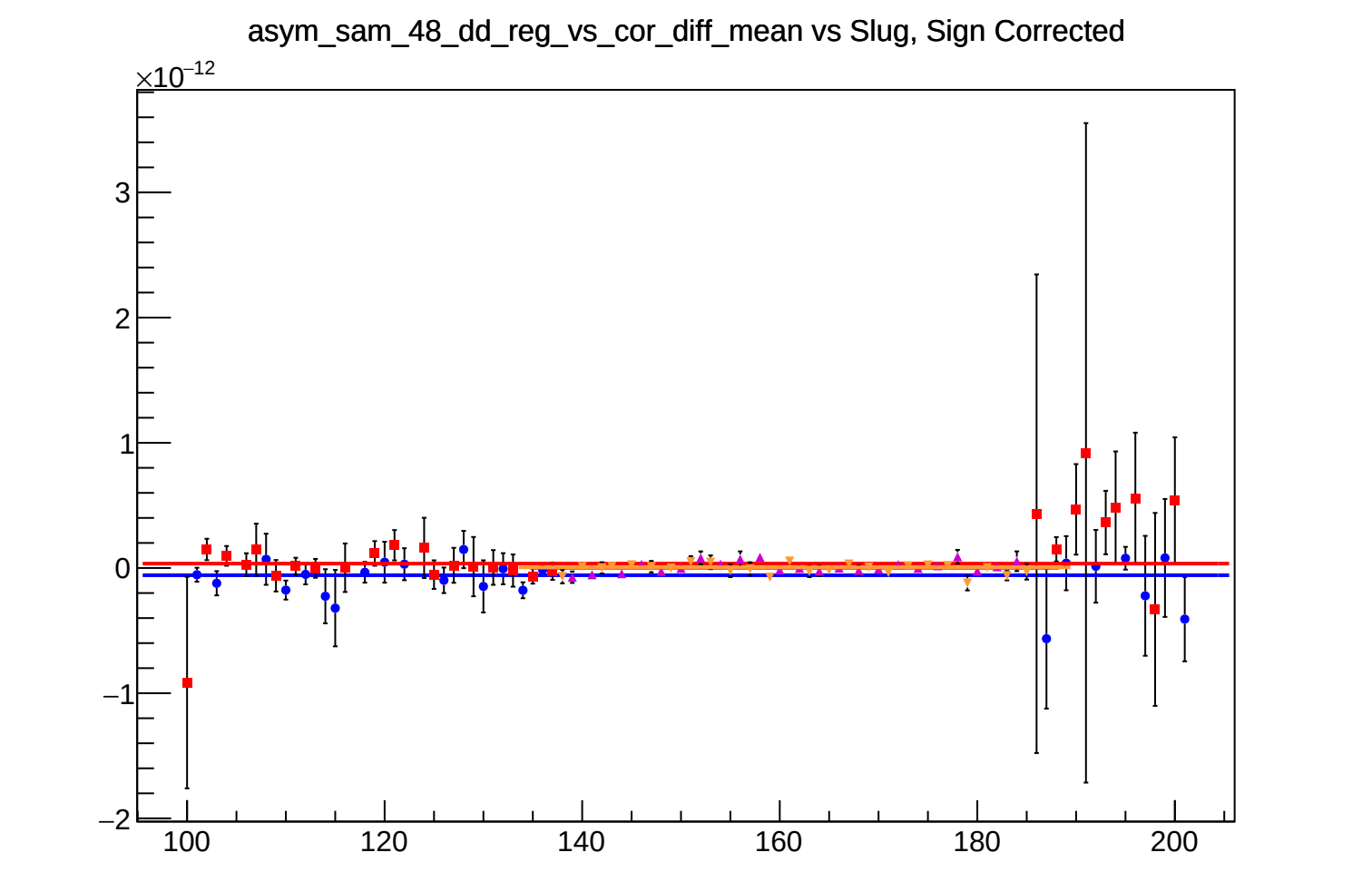
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1335.067+/-0.199 χ^2/NDF: 6712481.6/50

In: 1020.878+/-0.137 χ^2/NDF:5083303.7/45

Out: 1019.797+/-0.133 χ^2/NDF:6390278.3/52

All: 1020.321+/-0.095 χ^2/NDF: 11473614.2/9



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/27

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

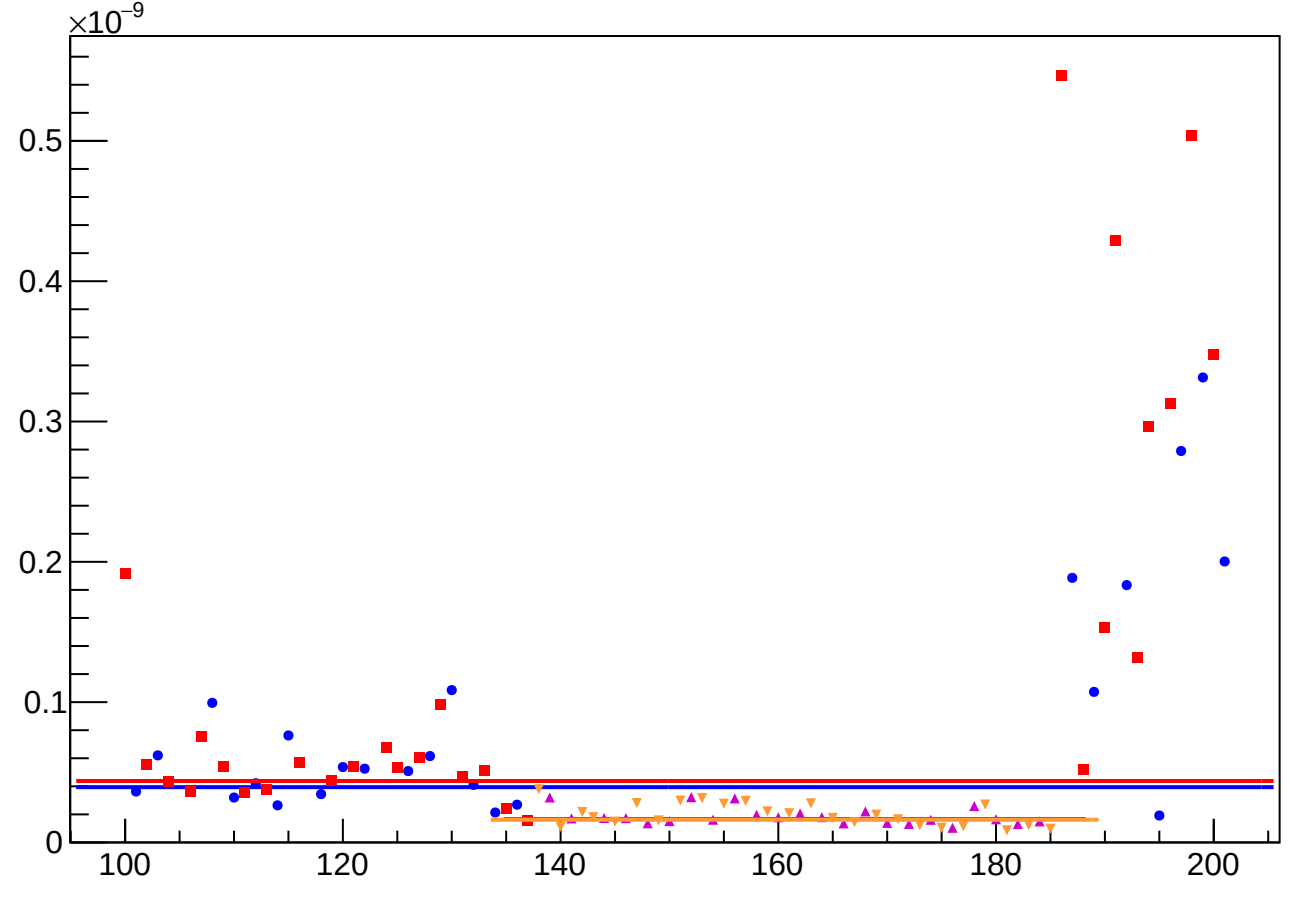
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/50

In: -0.000+/-0.000 χ^2/NDF:52.0/45

Out: 0.000+/-0.000 χ^2/NDF:46.8/52

All: 0.000+/-0.000 χ^2/NDF: 100.5/98



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: 4176385.6/27

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

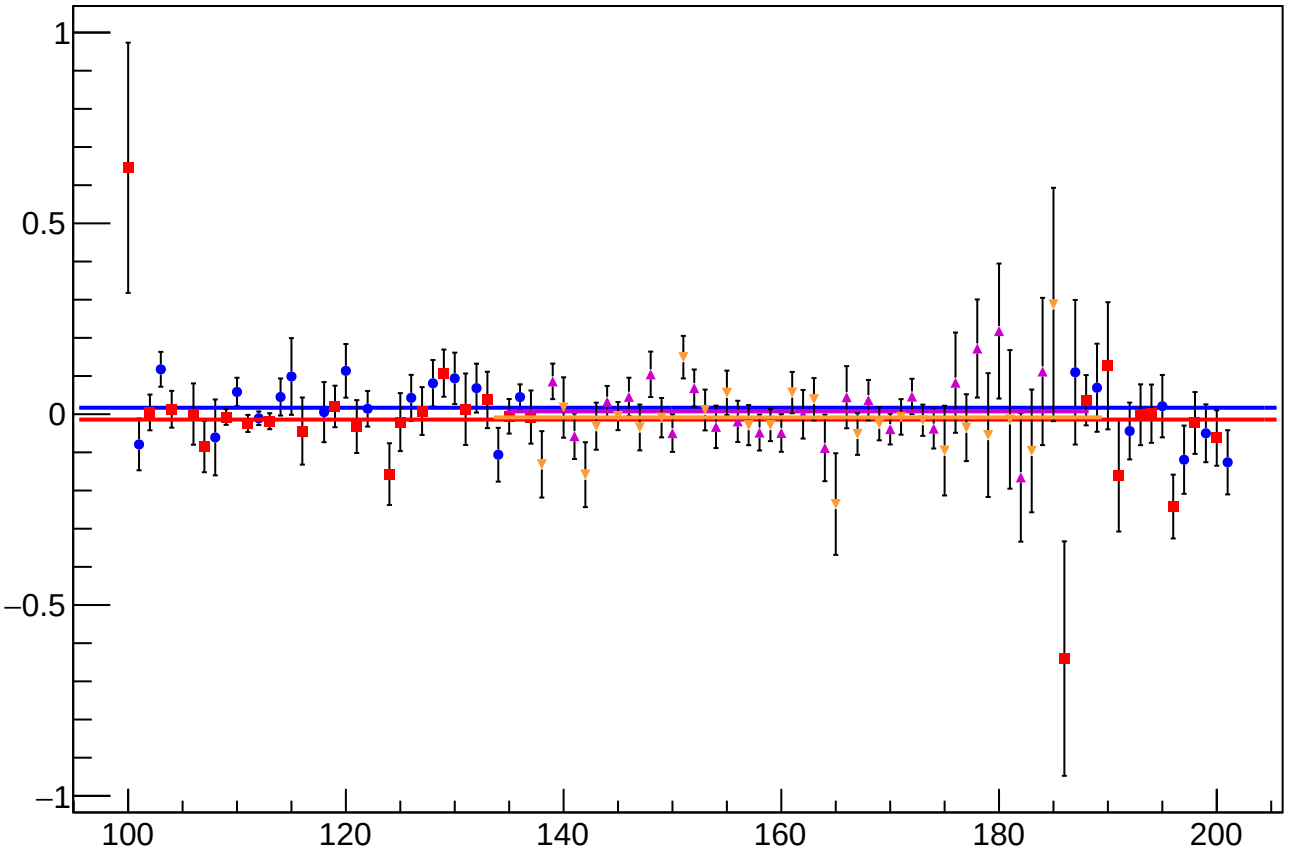
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7892753.6/50

In: 0.000+/-0.000 χ^2/NDF:6728634.6/45

Out: 0.000+/-0.000 χ^2/NDF:9026021.3/52

All: 0.000+/-0.000 χ^2/NDF: 15761674.7/98



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: -0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

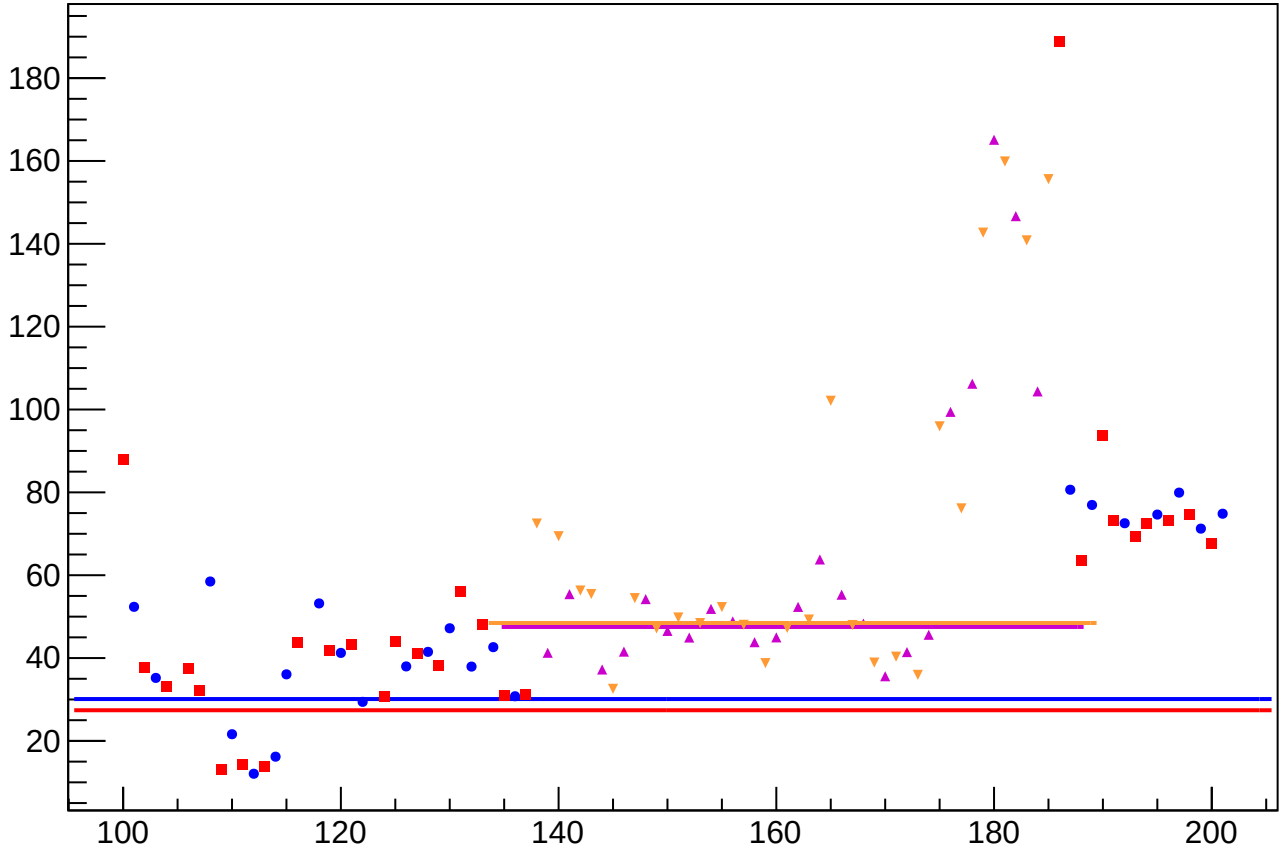
Right: -0.000+/-0.007 χ^2/NDF: 61.9/50

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: -0.000+/-0.005 χ^2/NDF: 109.1/98

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: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

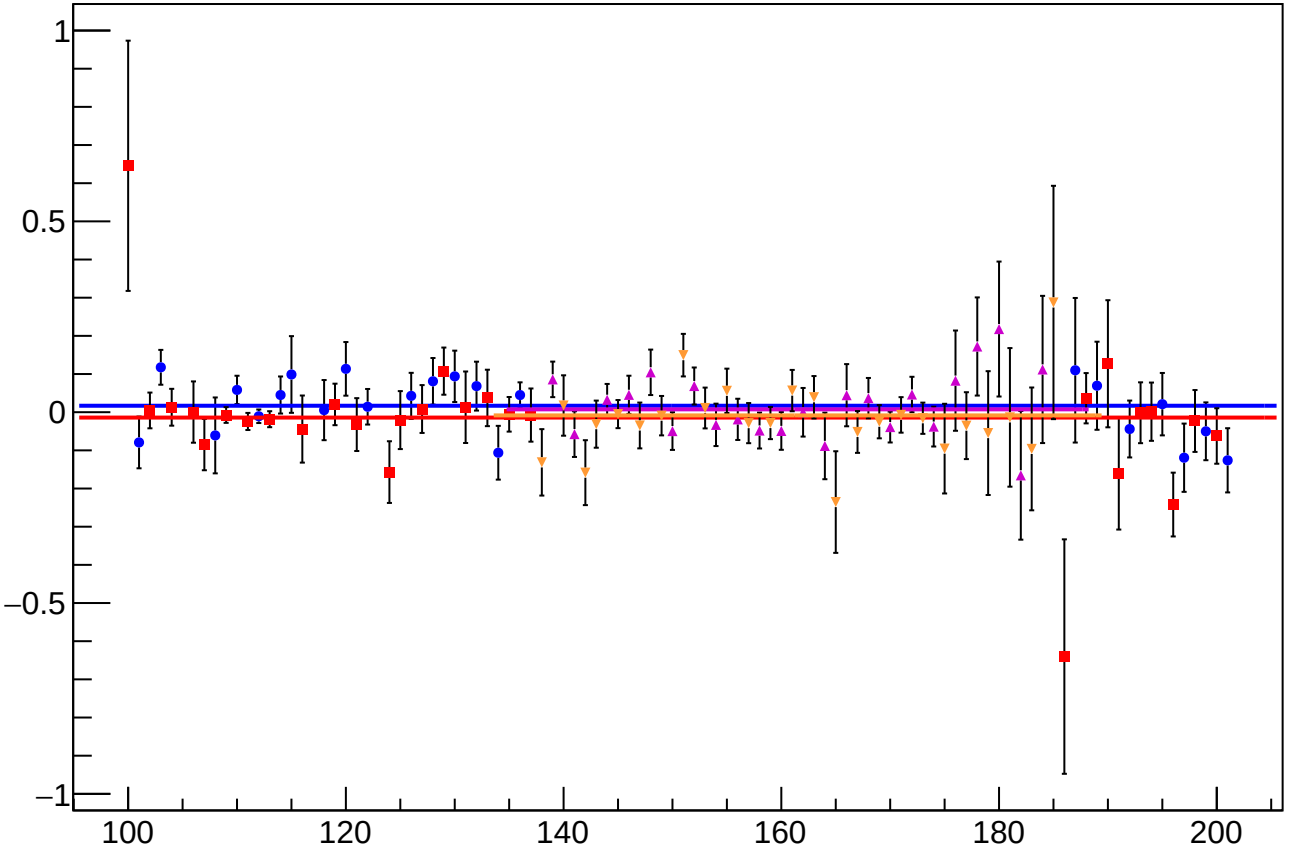
Right: 28.590+/-0.005 χ^2/NDF: 15300385.8/50

In: 37.645+/-0.006 χ^2/NDF:12233457.8/45

Out: 35.309+/-0.005 χ^2/NDF:16658451.0/52

All: 36.391+/-0.004 χ^2/NDF: 28985333.2/98

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: -0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

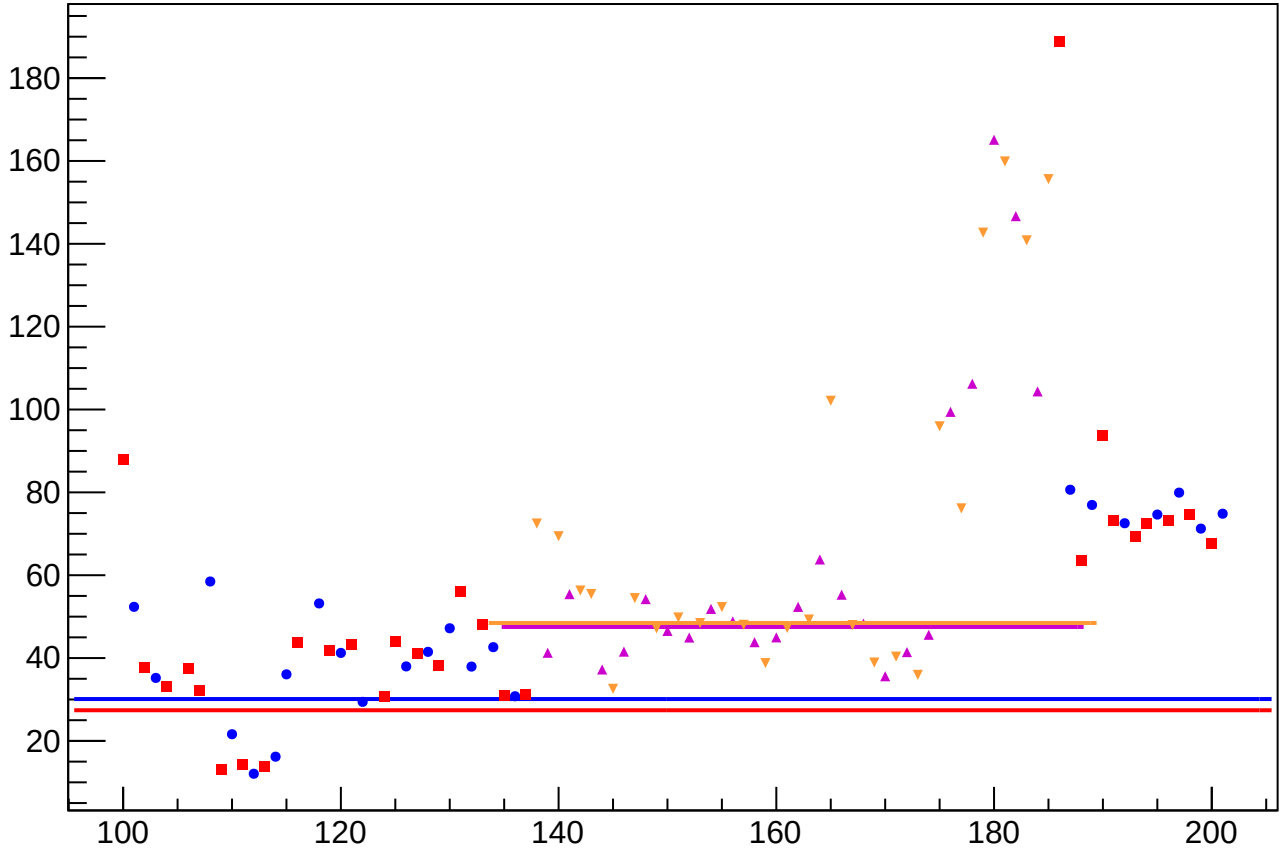
Right: -0.000+/-0.007 χ^2/NDF: 61.9/50

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: -0.000+/-0.005 χ^2/NDF: 109.1/98

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: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

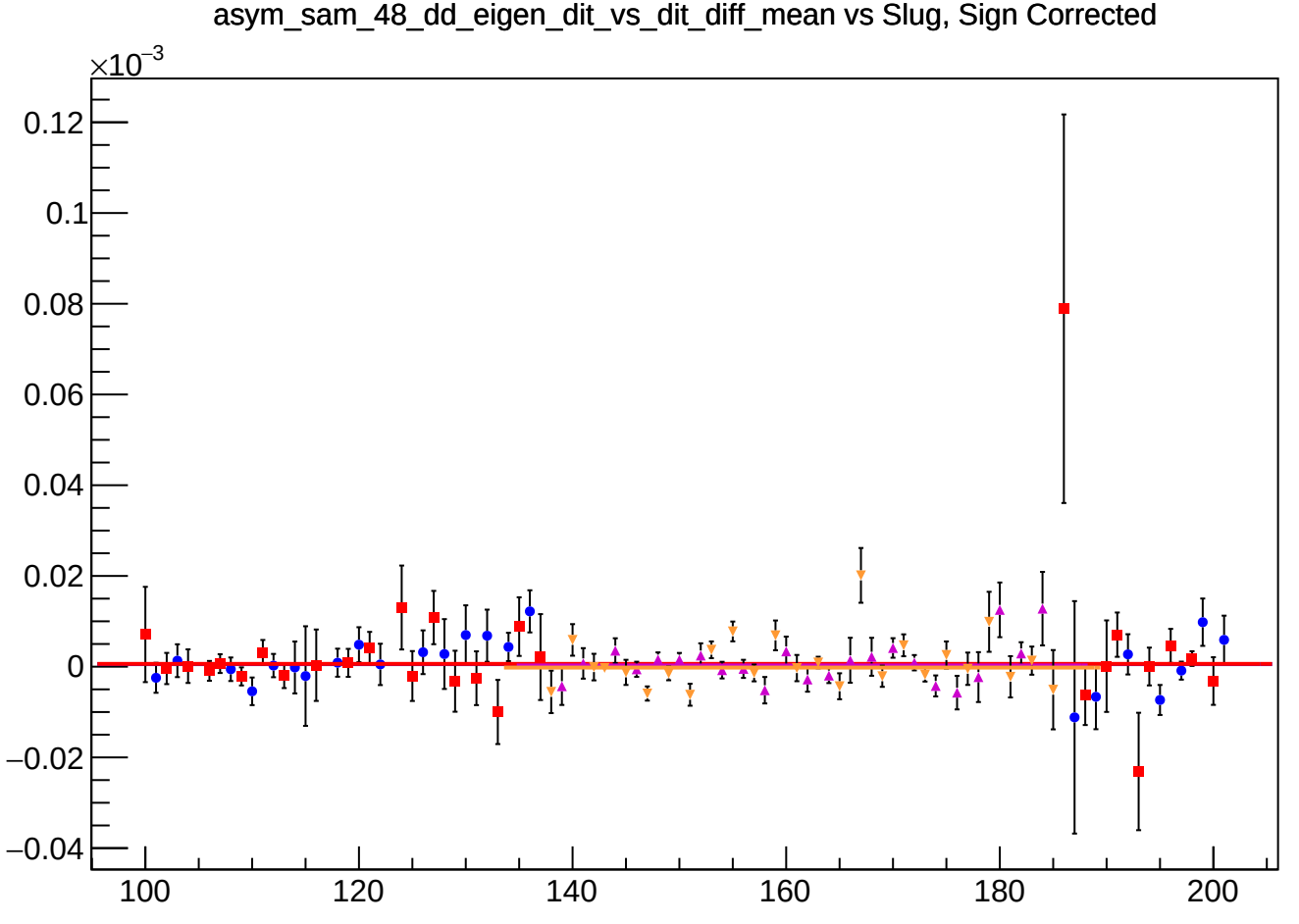
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

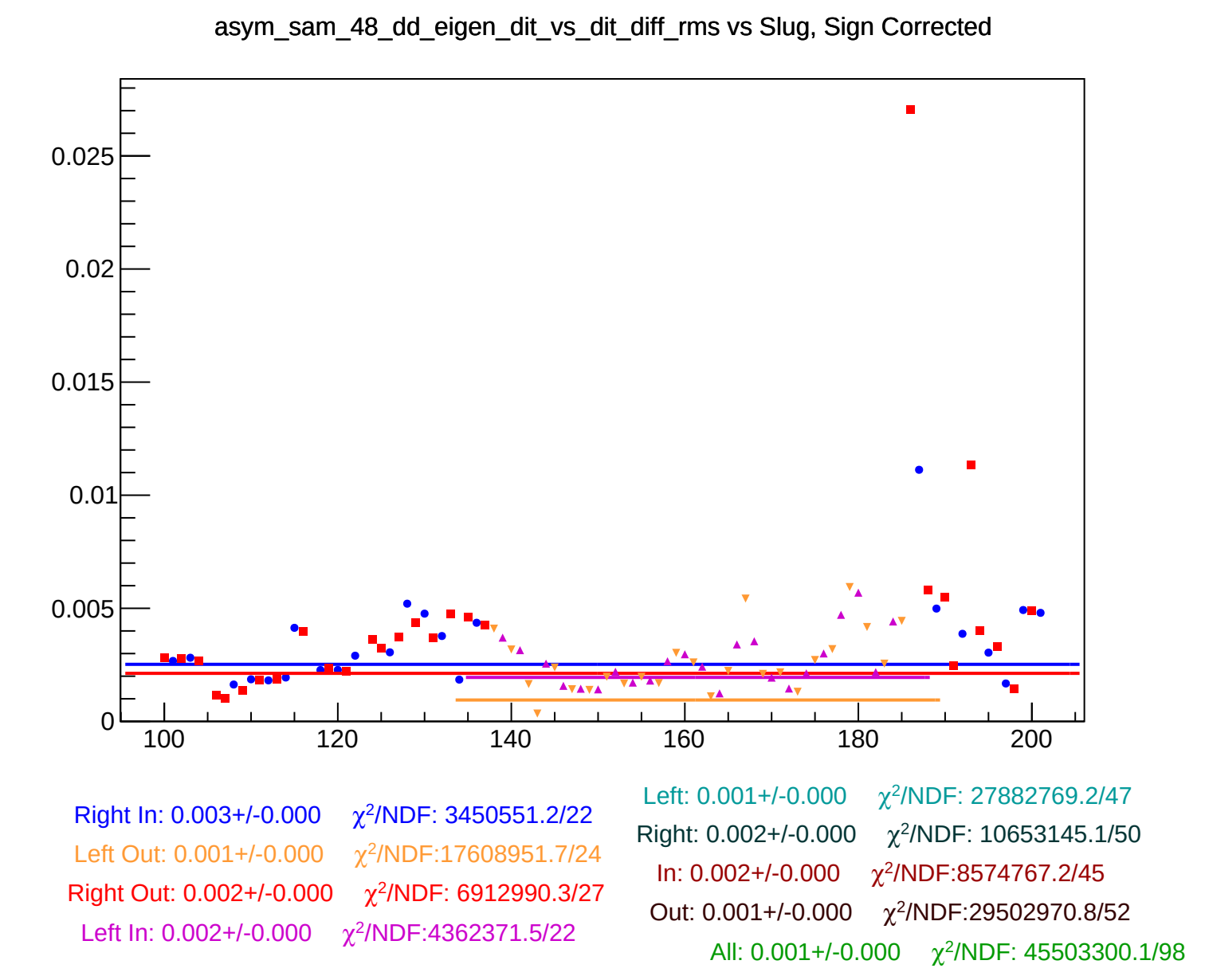
Right: 28.590+/-0.005 χ^2/NDF: 15300385.8/50

In: 37.645+/-0.006 χ^2/NDF:12233457.8/45

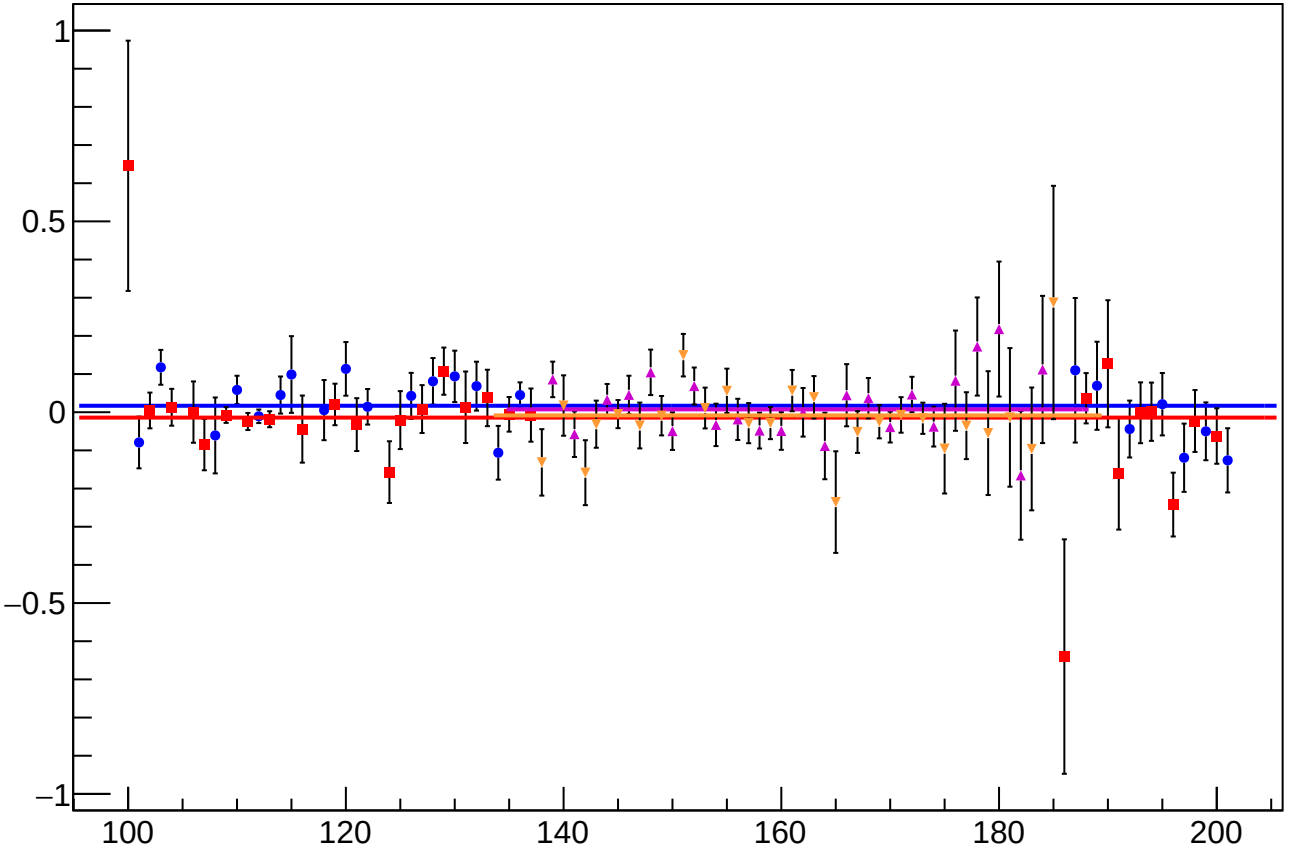
Out: 35.309+/-0.005 χ^2/NDF:16658451.0/52

All: 36.391+/-0.004 χ^2/NDF: 28985333.2/98


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.4/22
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/27
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: -0.000+/-0.000 χ²/NDF: 103.2/47
Right: 0.000+/-0.000 χ²/NDF: 55.4/50
In: 0.000+/-0.000 χ²/NDF:59.4/45
Out: -0.000+/-0.000 χ²/NDF:99.9/52
All: 0.000+/-0.000 χ²/NDF: 159.9/98


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3450551.2/22
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 6912990.3/27
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
Left: 0.001+/-0.000 χ²/NDF: 27882769.2/47
Right: 0.002+/-0.000 χ²/NDF: 10653145.1/50
In: 0.002+/-0.000 χ²/NDF:8574767.2/45
Out: 0.001+/-0.000 χ²/NDF:29502970.8/52
All: 0.001+/-0.000 χ²/NDF: 45503300.1/98

asym_sam_48_dd_eigen_dit_vs_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: -0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

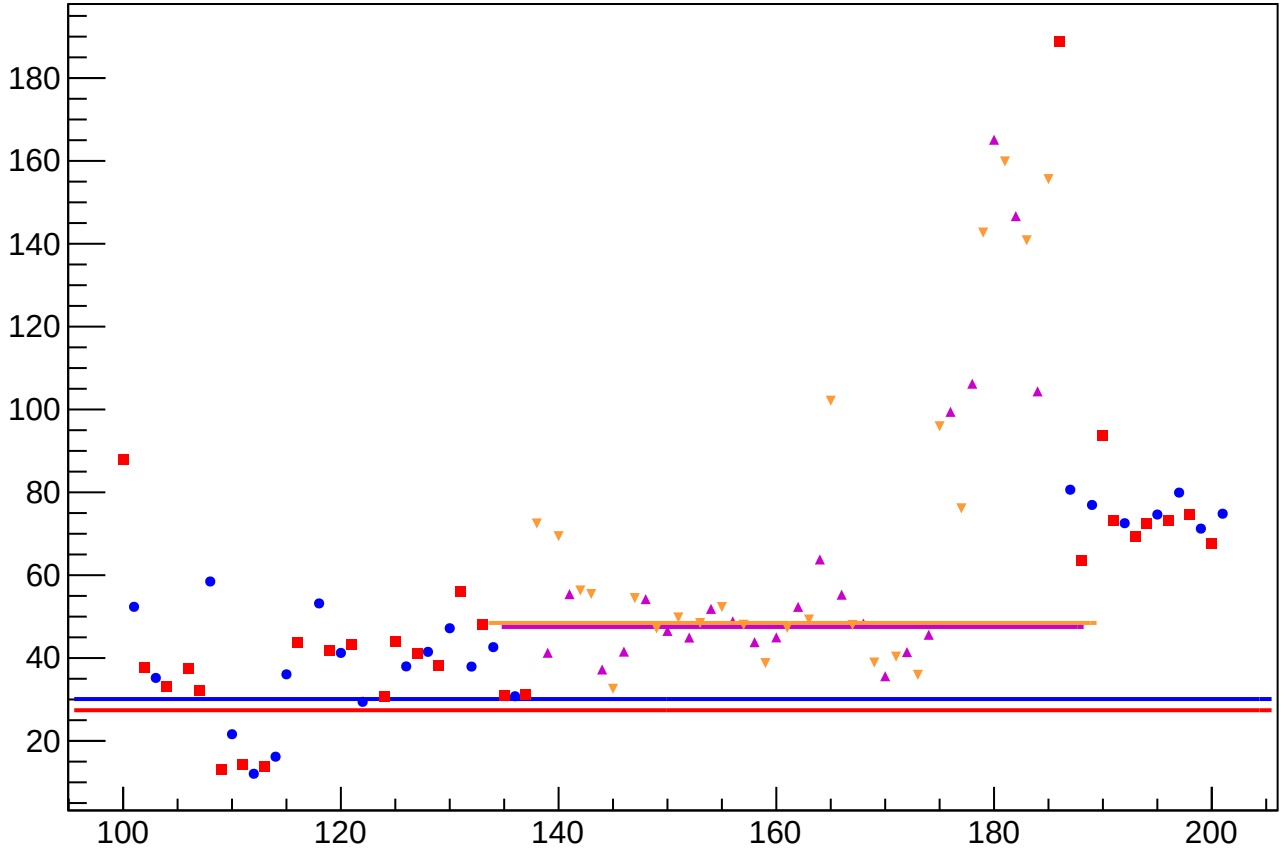
Right: -0.000+/-0.007 χ^2/NDF: 61.9/50

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: -0.000+/-0.005 χ^2/NDF: 109.1/98

asym_sam_48_dd_eigen_dit_vs_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: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

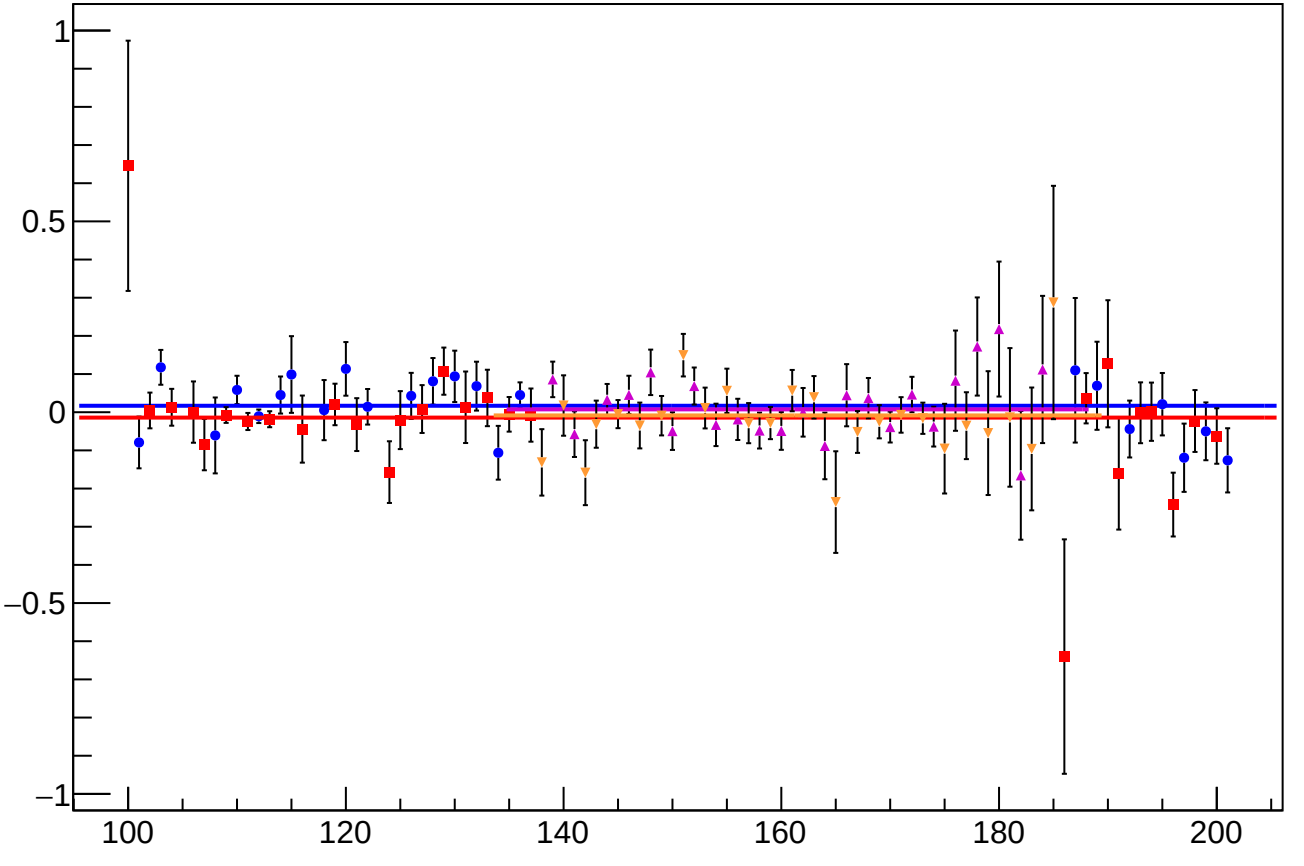
Right: 28.589+/-0.005 χ^2/NDF: 15301138.4/50

In: 37.644+/-0.006 χ^2/NDF:12234522.4/45

Out: 35.309+/-0.005 χ^2/NDF:16658848.5/52

All: 36.390+/-0.004 χ^2/NDF: 28986737.2/98

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: -0.014+/-0.009 χ^2/NDF: 28.8/27

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

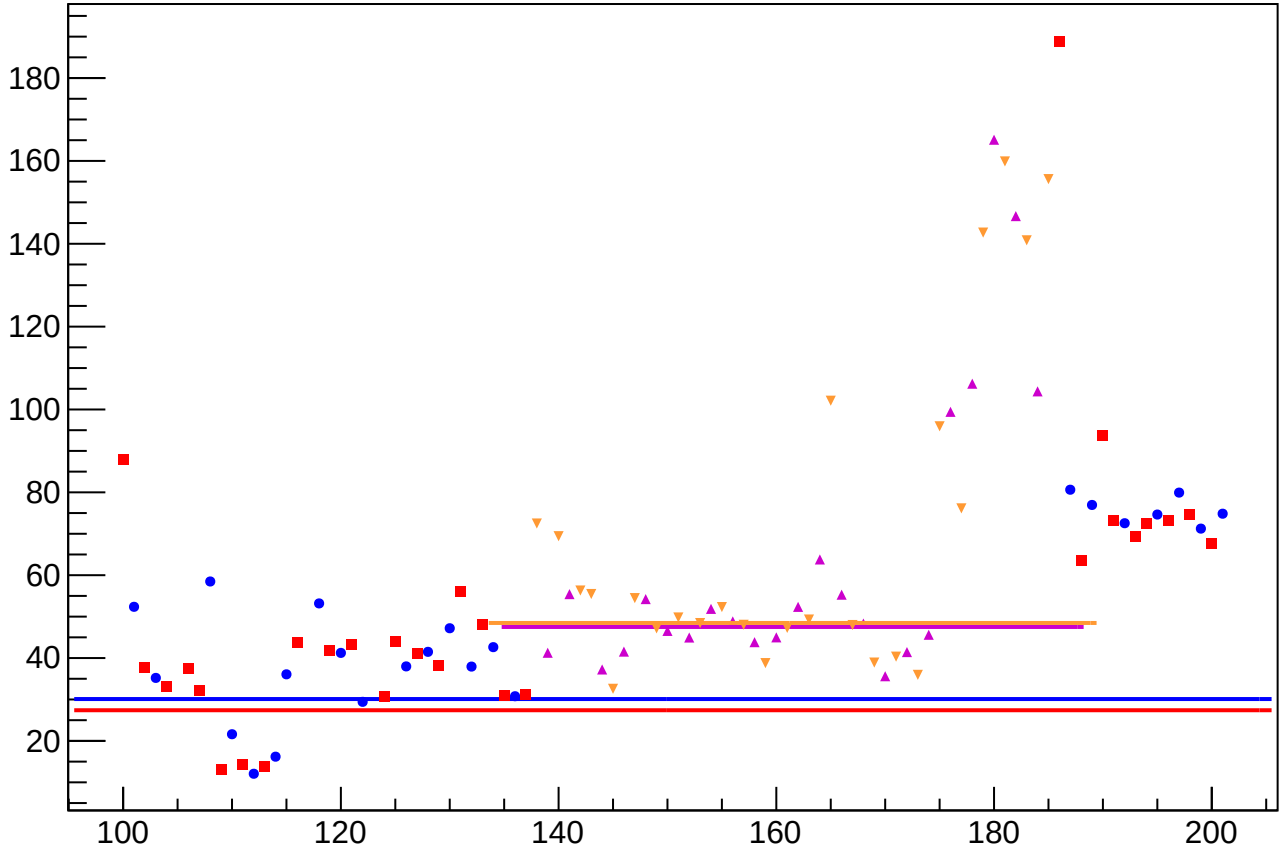
Right: -0.000+/-0.007 χ^2/NDF: 61.9/50

In: 0.013+/-0.008 χ^2/NDF:51.8/45

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: -0.000+/-0.005 χ^2/NDF: 109.1/98

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: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

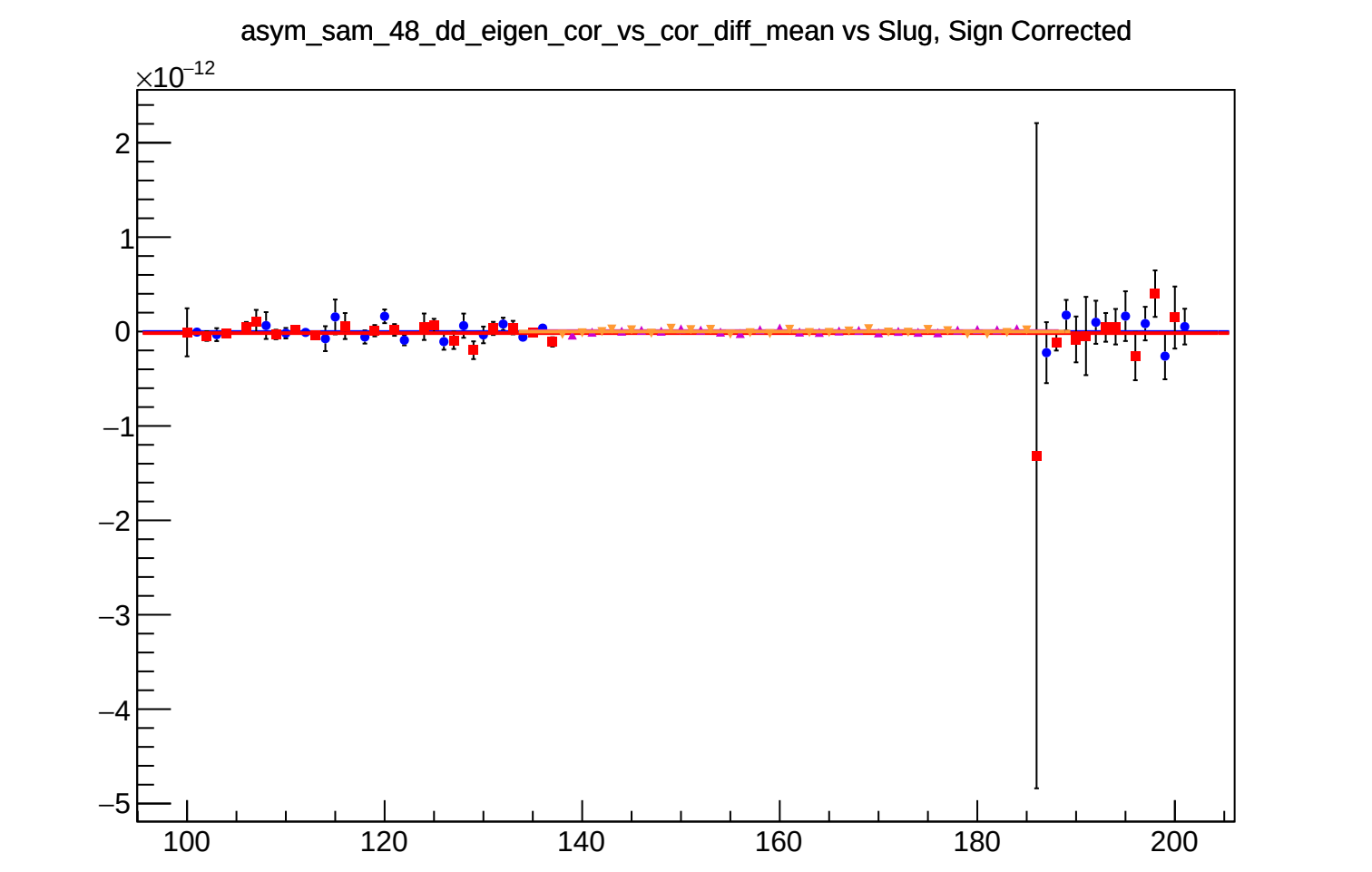
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 28.589+/-0.005 χ^2/NDF: 15301138.4/50

In: 37.644+/-0.006 χ^2/NDF:12234522.4/45

Out: 35.309+/-0.005 χ^2/NDF:16658848.5/52

All: 36.390+/-0.004 χ^2/NDF: 28986737.2/98



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/27

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

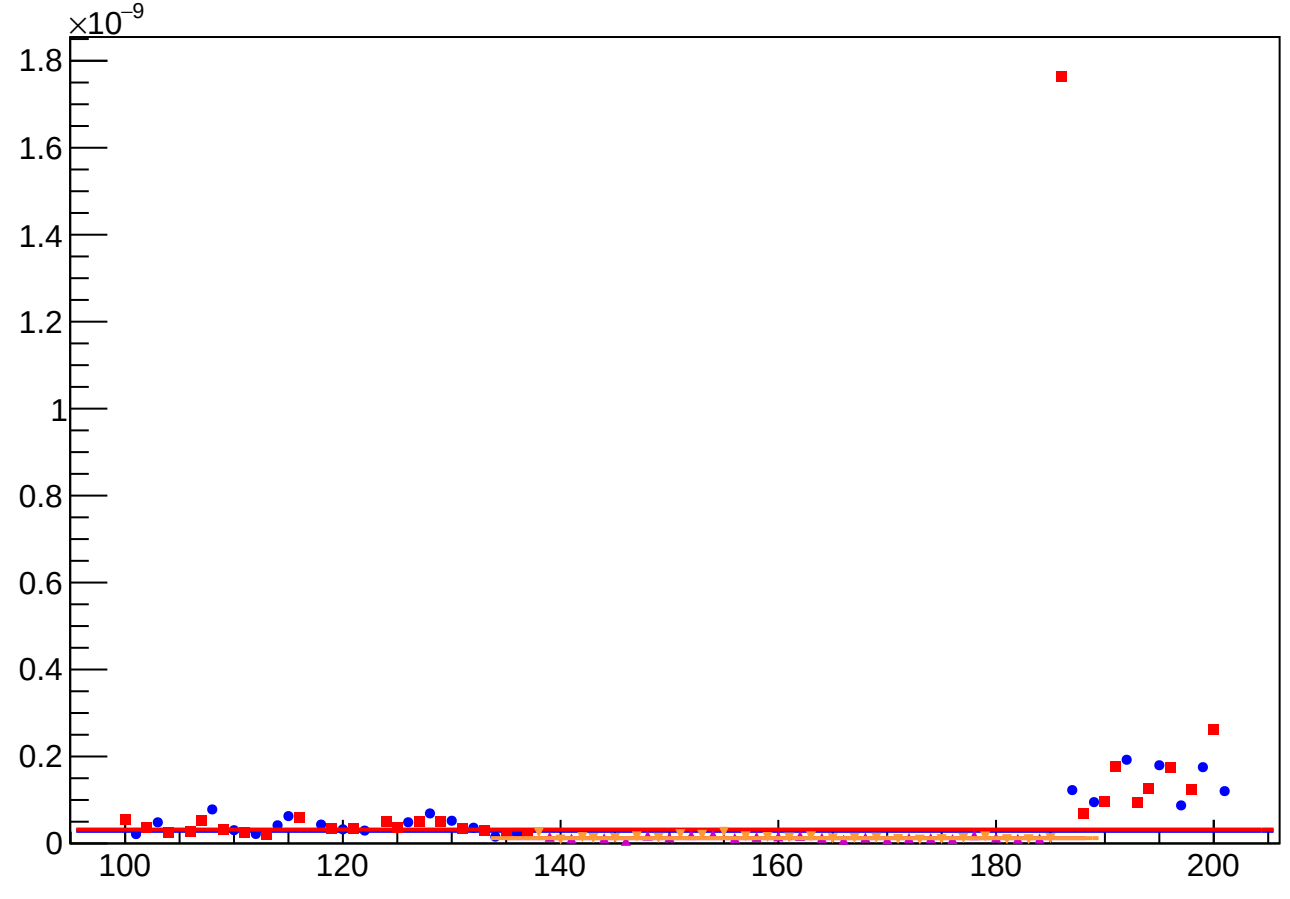
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 43.7/50

In: 0.000+/-0.000 χ^2/NDF:42.2/45

Out: -0.000+/-0.000 χ^2/NDF:53.7/52

All: 0.000+/-0.000 χ^2/NDF: 97.3/98



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: 4945714.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

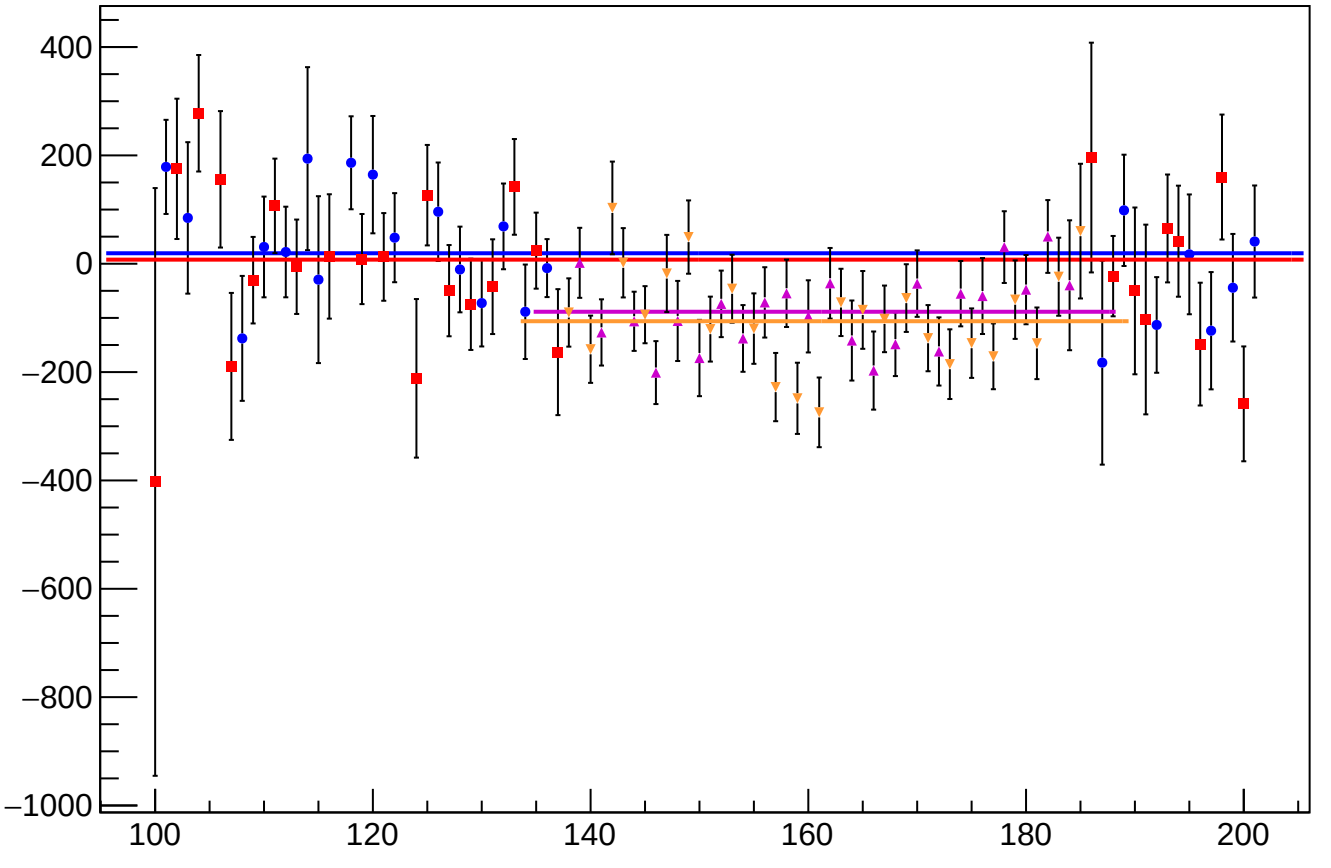
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10346464.6/50

In: 0.000+/-0.000 χ^2/NDF:10599112.3/45

Out: 0.000+/-0.000 χ^2/NDF:11149776.0/52

All: 0.000+/-0.000 χ^2/NDF: 21749645.0/98



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: 7.569+/-19.043 χ^2/NDF: 35.6/27

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

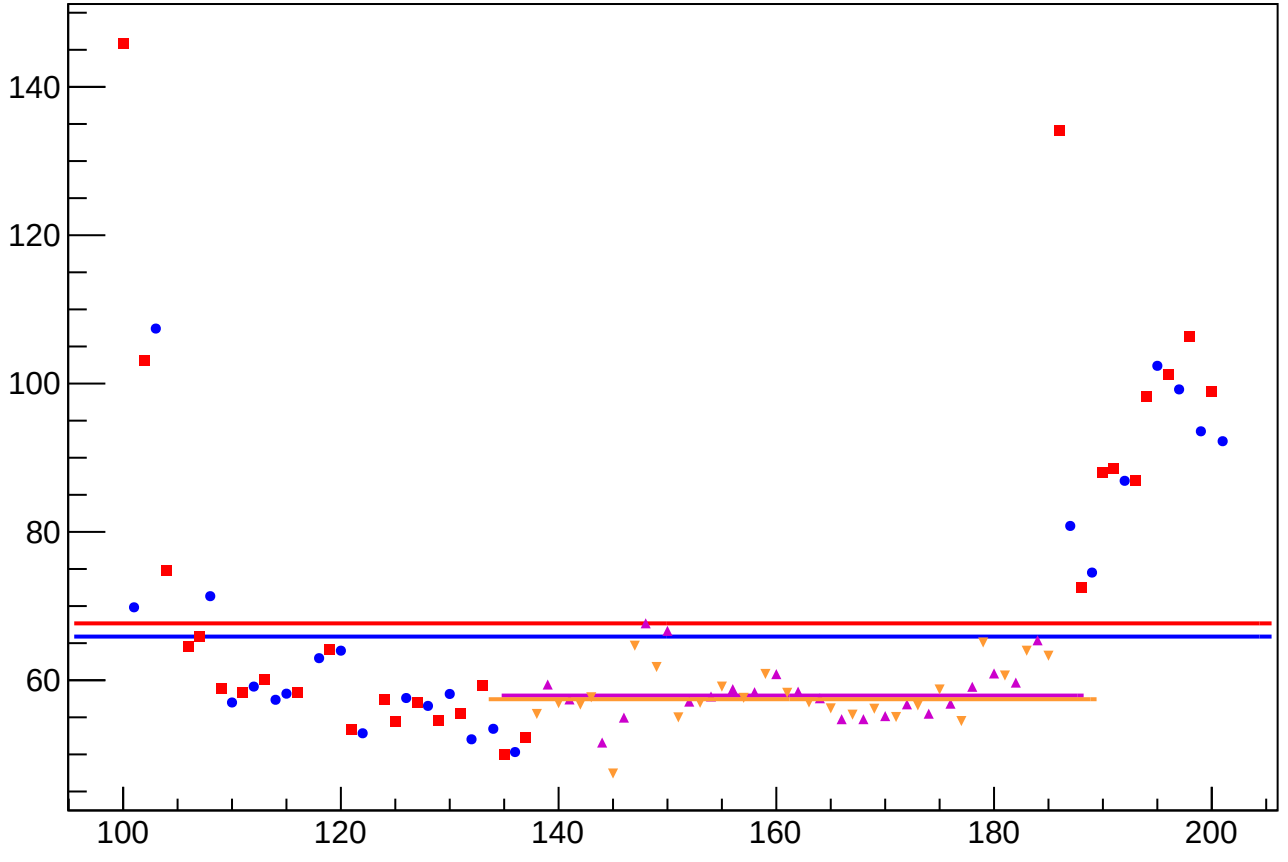
Right: 13.349+/-13.593 χ^2/NDF: 58.7/50

In: -53.183+/-11.119 χ^2/NDF:67.6/45

Out: -69.628+/-10.787 χ^2/NDF:100.5/52

All: -61.655+/-7.742 χ^2/NDF: 169.2/98

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 67.667+/-0.013 χ^2/NDF: 1788588.7/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

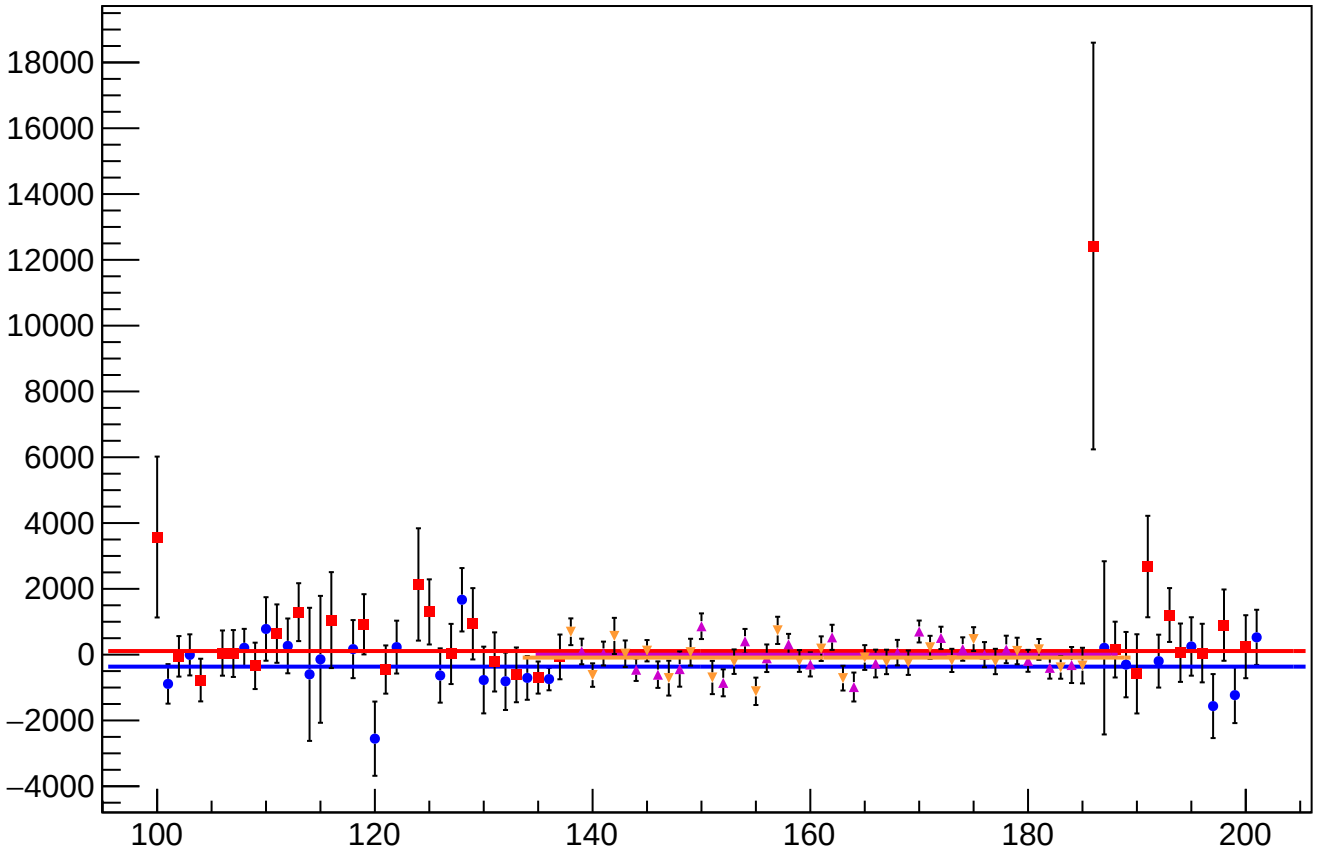
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.793+/-0.010 χ^2/NDF: 3243773.9/50

In: 60.543+/-0.008 χ^2/NDF:1808126.1/45

Out: 60.721+/-0.008 χ^2/NDF:2354850.3/52

All: 60.635+/-0.005 χ^2/NDF: 4163241.8/98



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: 109.723+/-161.526 χ^2/NDF: 24.9/27

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

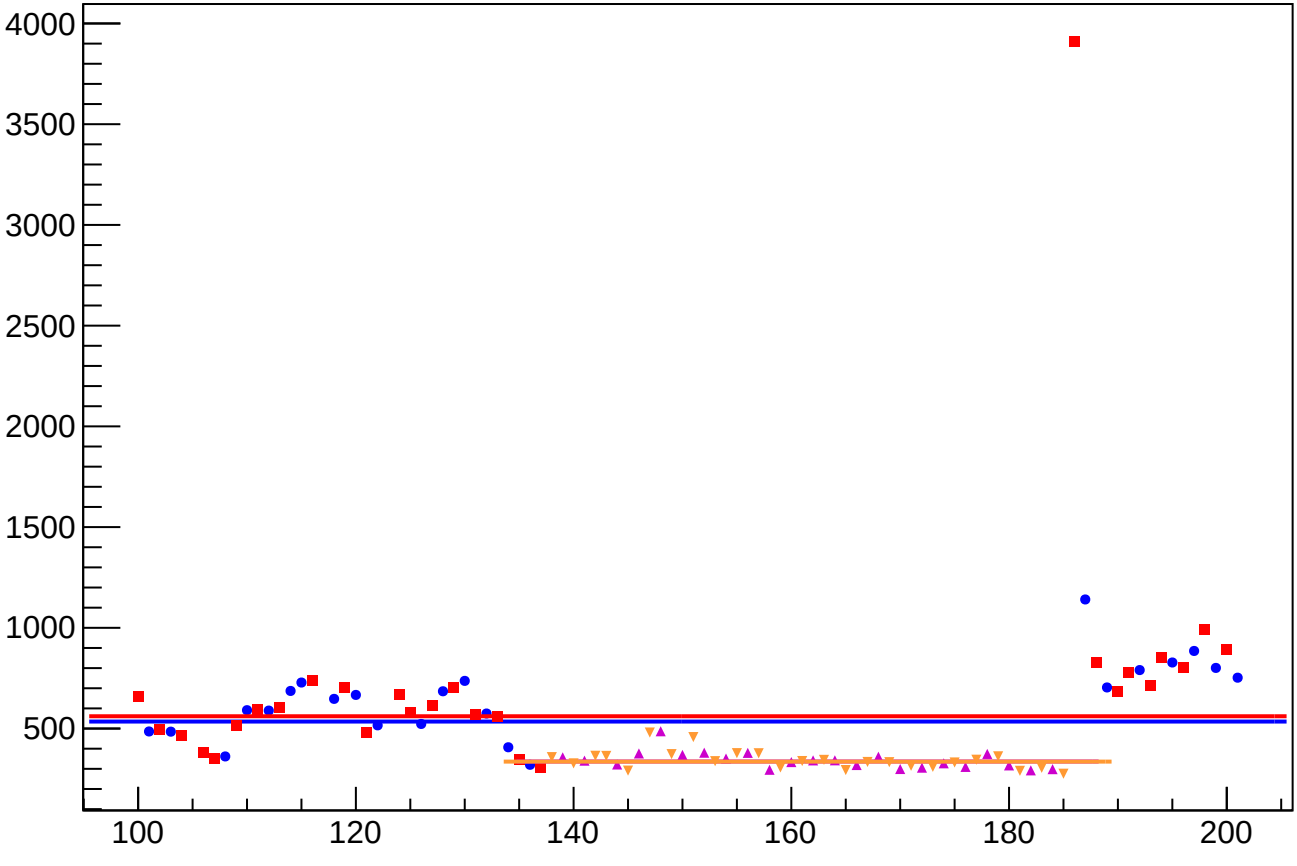
Right: -127.939+/-114.091 χ^2/NDF: 48.7/50

In: -73.352+/-71.077 χ^2/NDF:57.1/45

Out: -52.242+/-69.515 χ^2/NDF:56.0/52

All: -62.563+/-49.697 χ^2/NDF: 113.2/98

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



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: 561.017+/-0.114 χ^2/NDF: 3052459.4/27

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

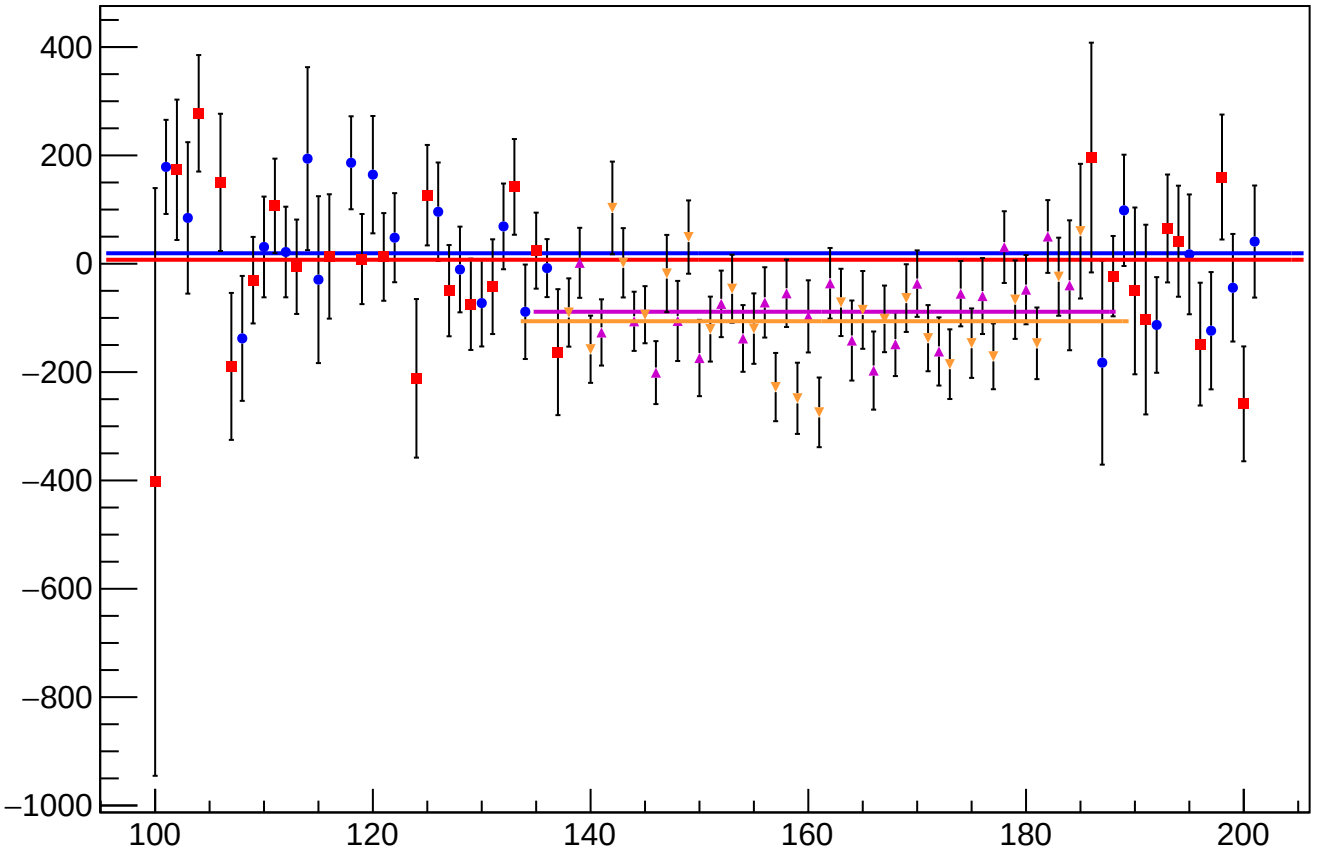
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 547.852+/-0.081 χ^2/NDF: 5565015.7/50

In: 374.928+/-0.050 χ^2/NDF:5341491.2/45

Out: 377.589+/-0.049 χ^2/NDF:6751699.7/52

All: 376.288+/-0.035 χ^2/NDF: 12094624.3/98



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: 7.361+/-19.045 χ^2/NDF: 35.5/27

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

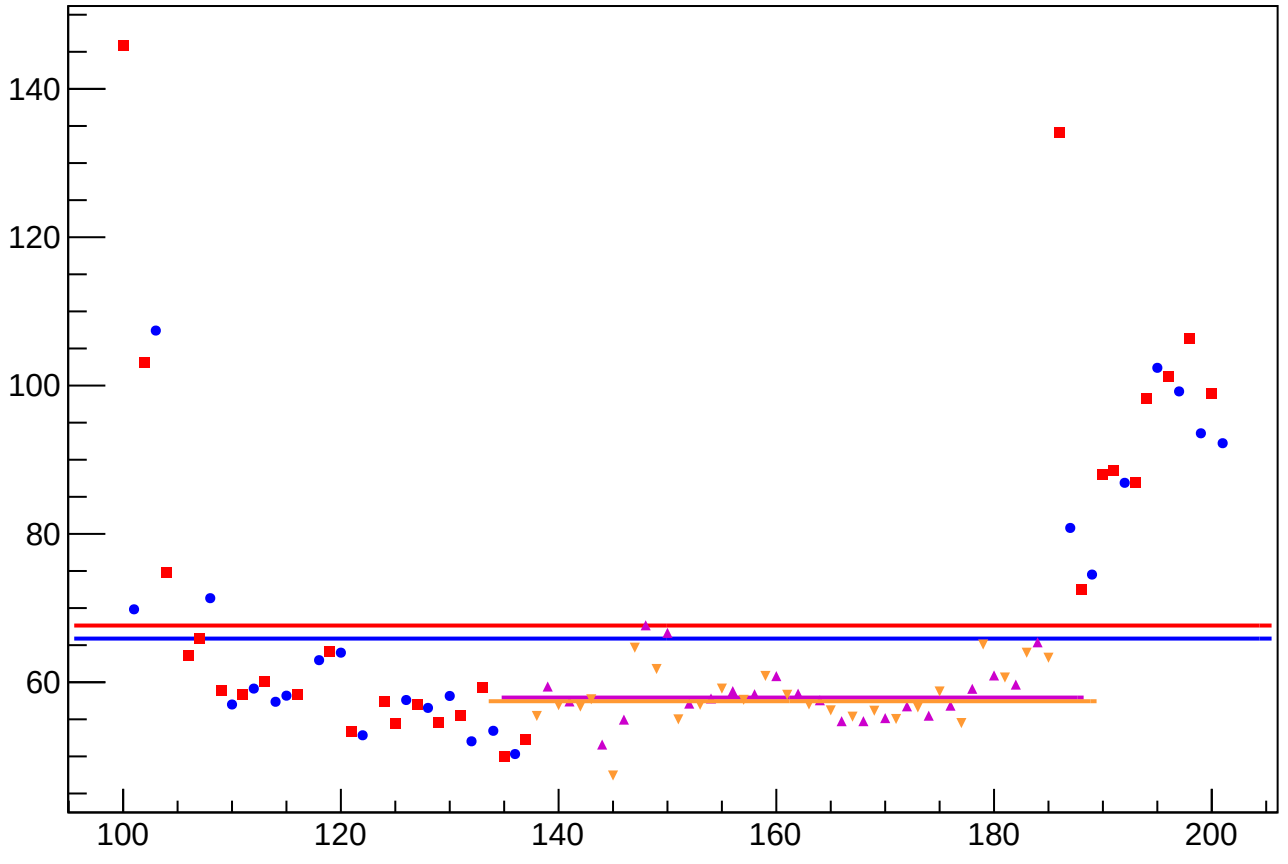
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 13.243+/-13.594 χ^2/NDF: 58.6/50

In: -53.186+/-11.119 χ^2/NDF:67.6/45

Out: -69.701+/-10.787 χ^2/NDF:100.3/52

All: -61.694+/-7.742 χ^2/NDF: 169.0/98



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: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

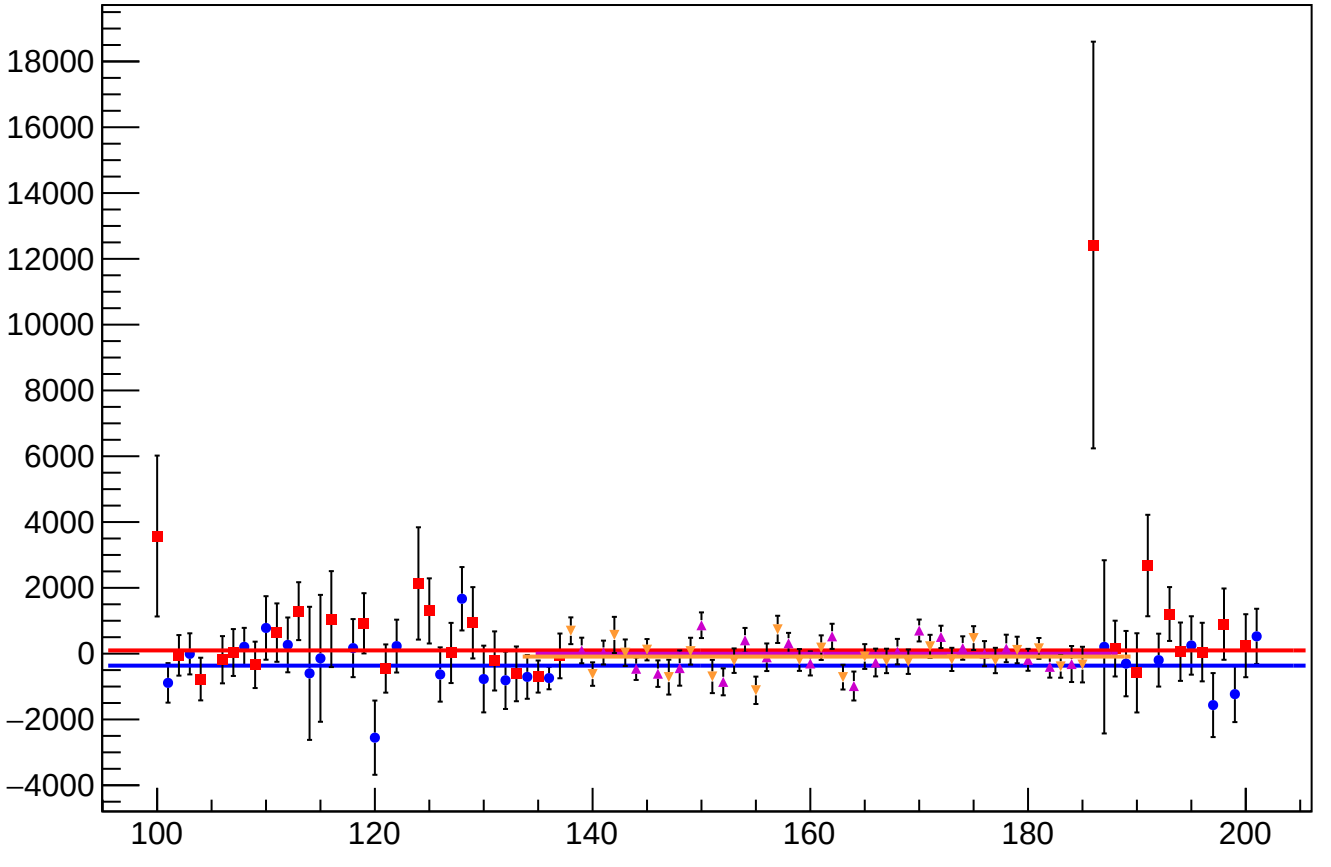
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.782+/-0.010 χ^2/NDF: 3244646.4/50

In: 60.543+/-0.008 χ^2/NDF:1808128.2/45

Out: 60.714+/-0.008 χ^2/NDF:2354224.3/52

All: 60.631+/-0.005 χ^2/NDF: 4162596.2/98



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: 98.194+/-161.914 χ^2/NDF: 25.0/27

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

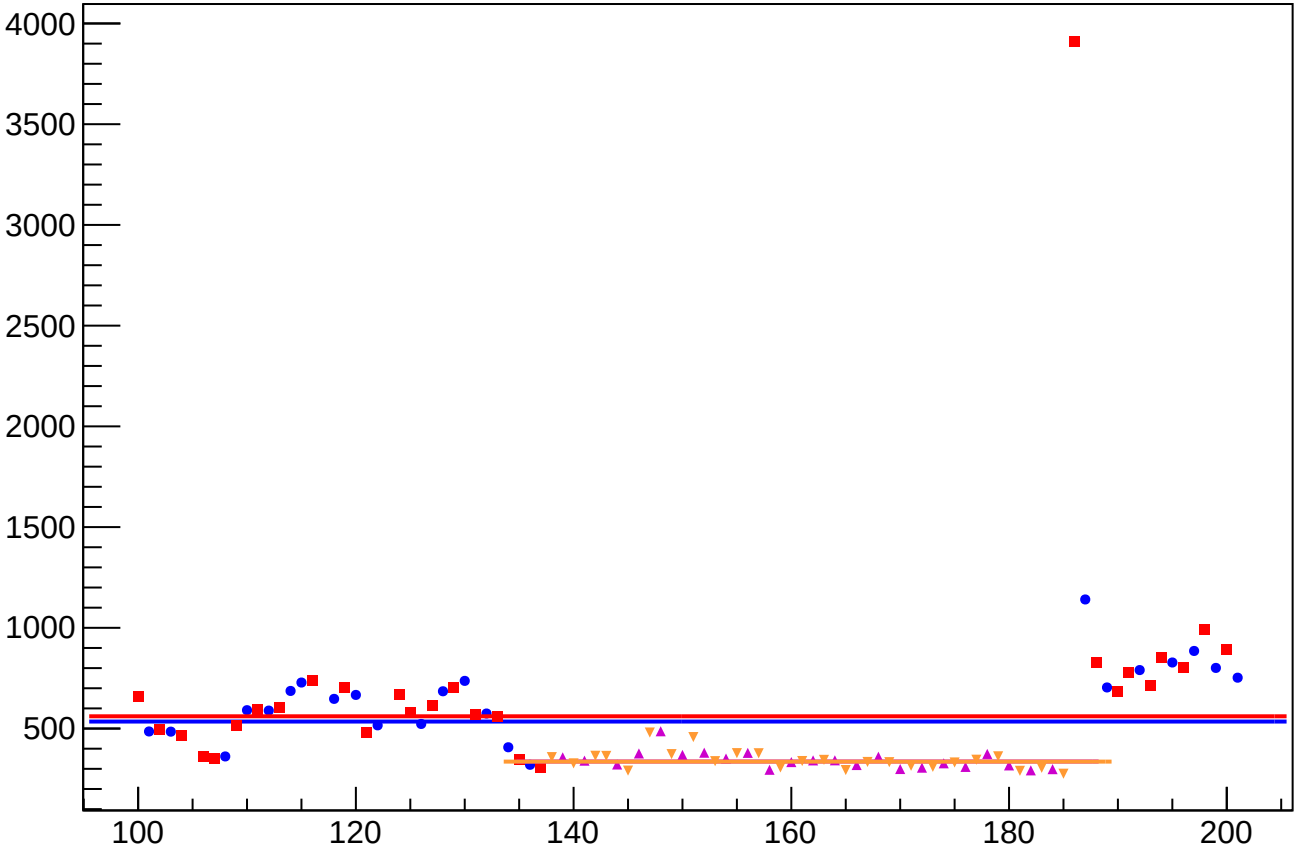
Right: -134.229+/-114.228 χ^2/NDF: 48.6/50

In: -73.348+/-71.077 χ^2/NDF:57.1/45

Out: -54.515+/-69.545 χ^2/NDF:56.0/52

All: -63.726+/-49.709 χ^2/NDF: 113.2/98

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: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

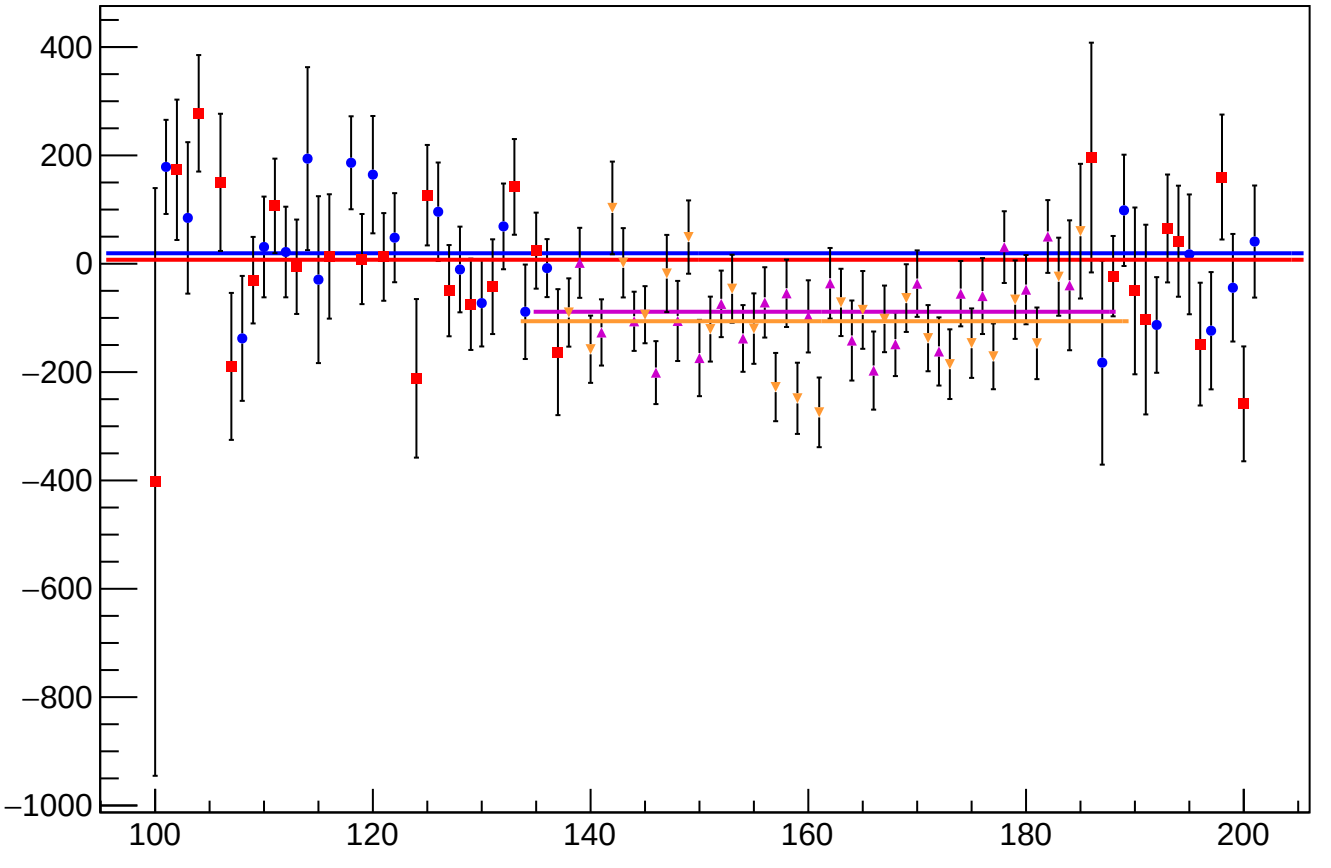
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 547.730+/-0.081 χ^2/NDF: 5583540.3/50

In: 374.928+/-0.050 χ^2/NDF:5341523.7/45

Out: 377.393+/-0.049 χ^2/NDF:6753162.1/52

All: 376.187+/-0.035 χ^2/NDF: 12095914.6/98



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: 7.361+/-19.045 χ^2/NDF: 35.5/27

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

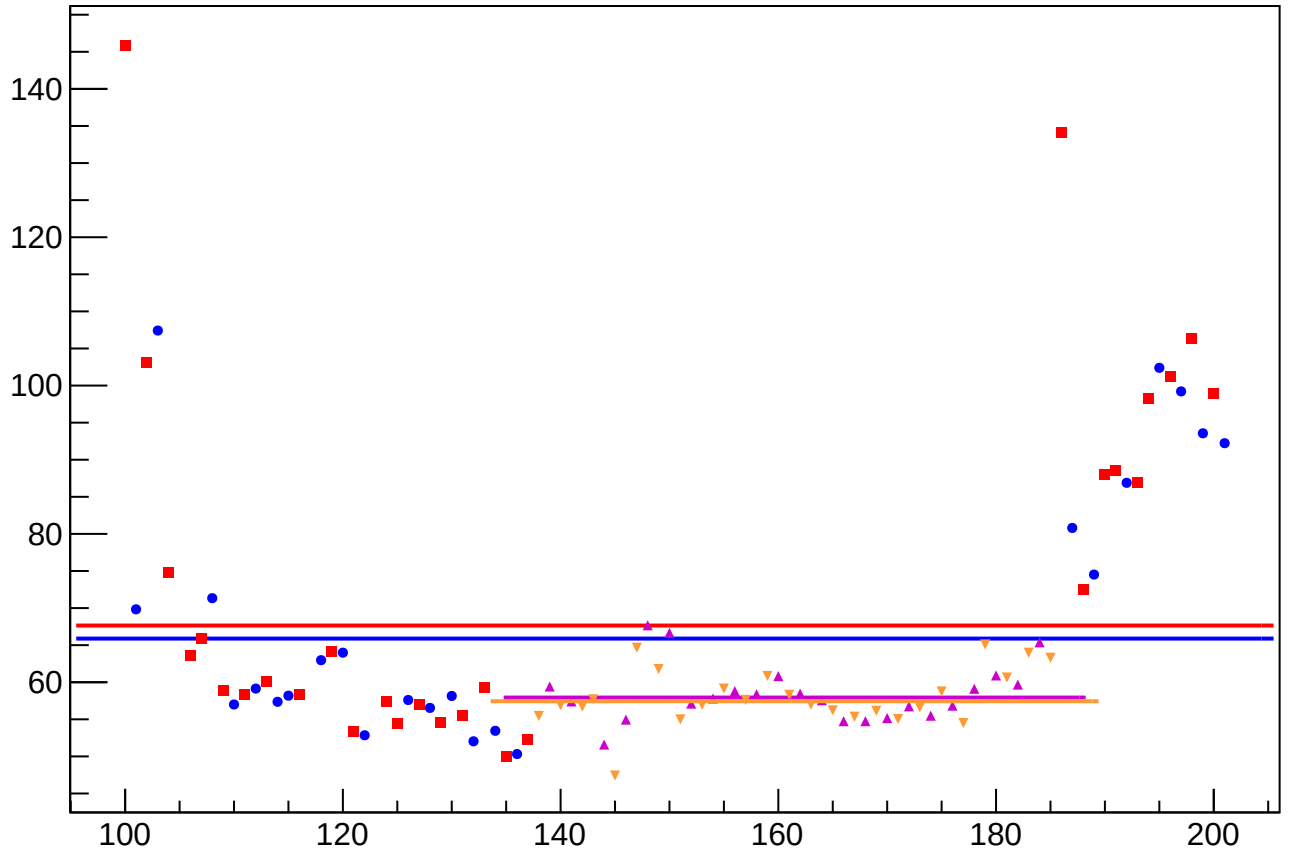
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 13.243+/-13.594 χ^2/NDF: 58.6/50

In: -53.186+/-11.119 χ^2/NDF:67.6/45

Out: -69.701+/-10.787 χ^2/NDF:100.3/52

All: -61.694+/-7.742 χ^2/NDF: 169.0/98



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: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

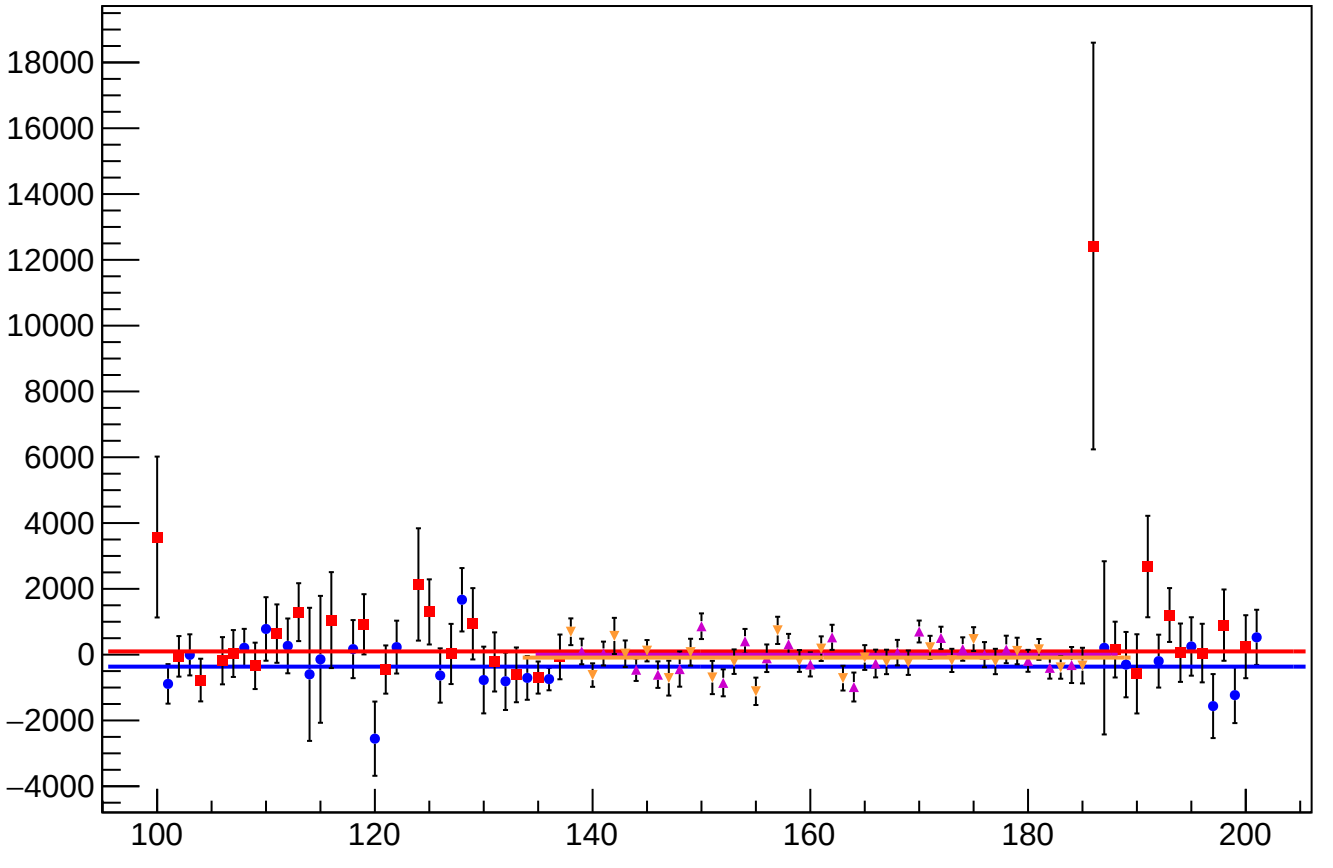
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.782+/-0.010 χ^2/NDF: 3244646.4/50

In: 60.543+/-0.008 χ^2/NDF:1808128.2/45

Out: 60.714+/-0.008 χ^2/NDF:2354224.3/52

All: 60.631+/-0.005 χ^2/NDF: 4162596.2/98



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: 98.194+/-161.914 χ^2/NDF: 25.0/27

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

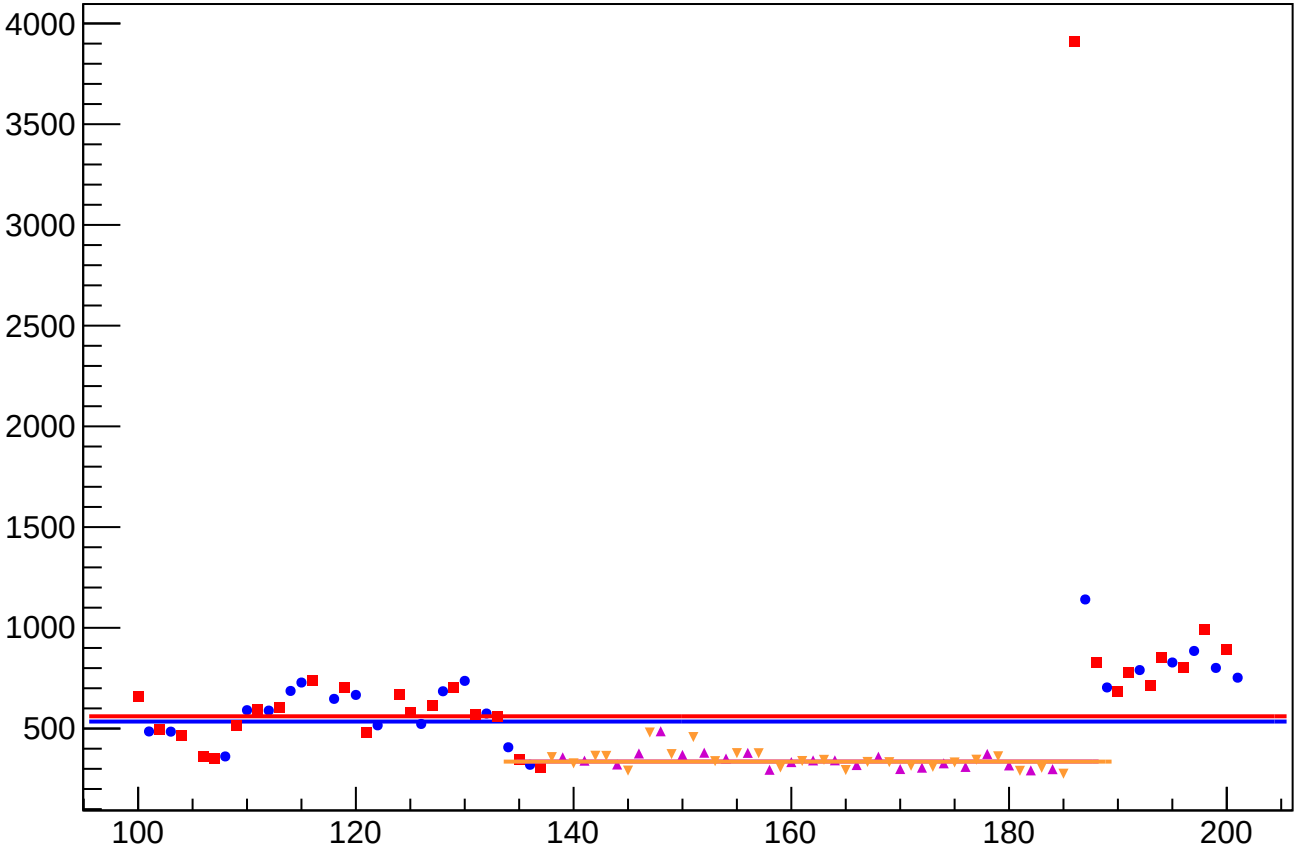
Right: -134.229+/-114.228 χ^2/NDF: 48.6/50

In: -73.348+/-71.077 χ^2/NDF:57.1/45

Out: -54.515+/-69.545 χ^2/NDF:56.0/52

All: -63.726+/-49.709 χ^2/NDF: 113.2/98

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: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

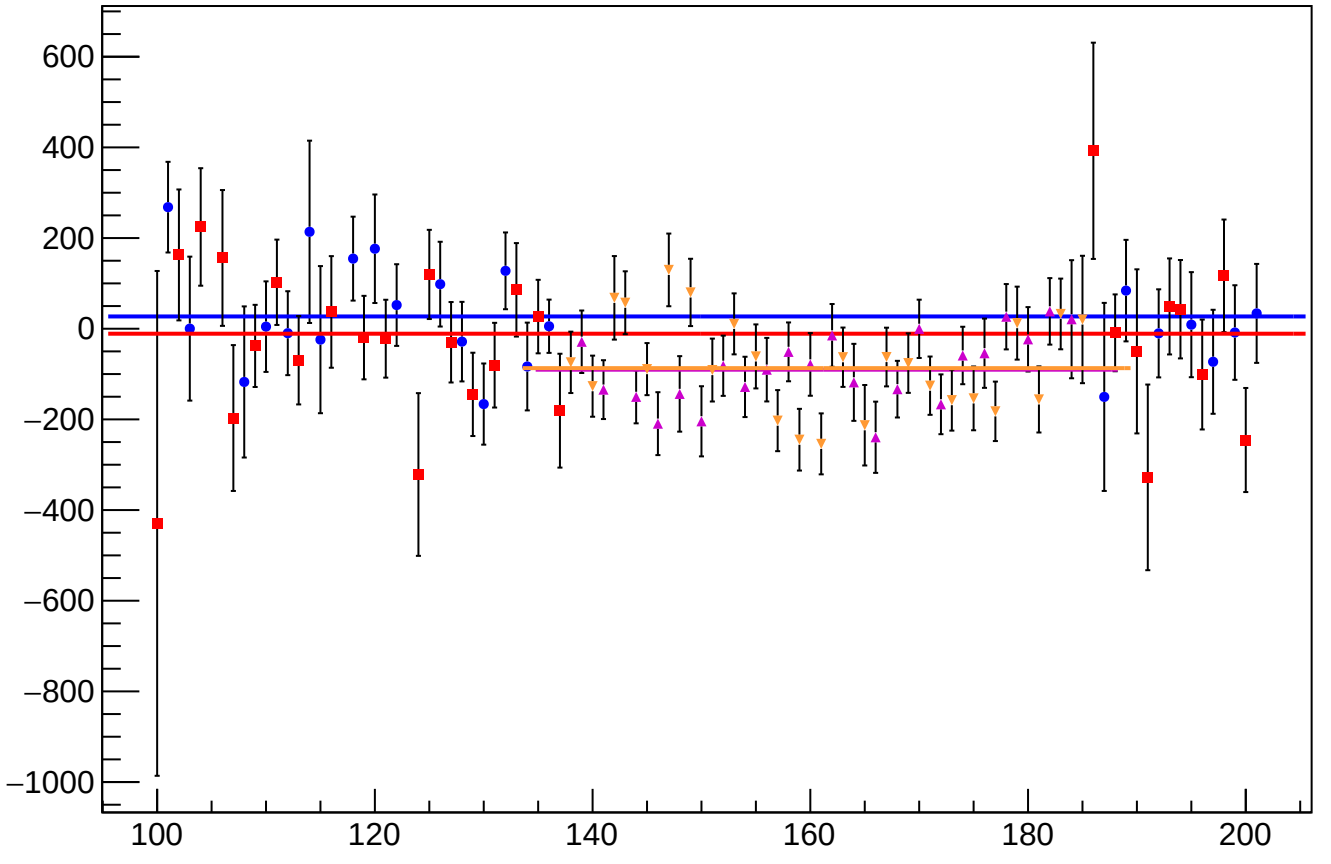
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 547.730+/-0.081 χ^2/NDF: 5583540.3/50

In: 374.928+/-0.050 χ^2/NDF:5341523.7/45

Out: 377.393+/-0.049 χ^2/NDF:6753162.1/52

All: 376.187+/-0.035 χ^2/NDF: 12095914.6/98



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: -10.999+/-21.077 χ^2/NDF: 32.0/27

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

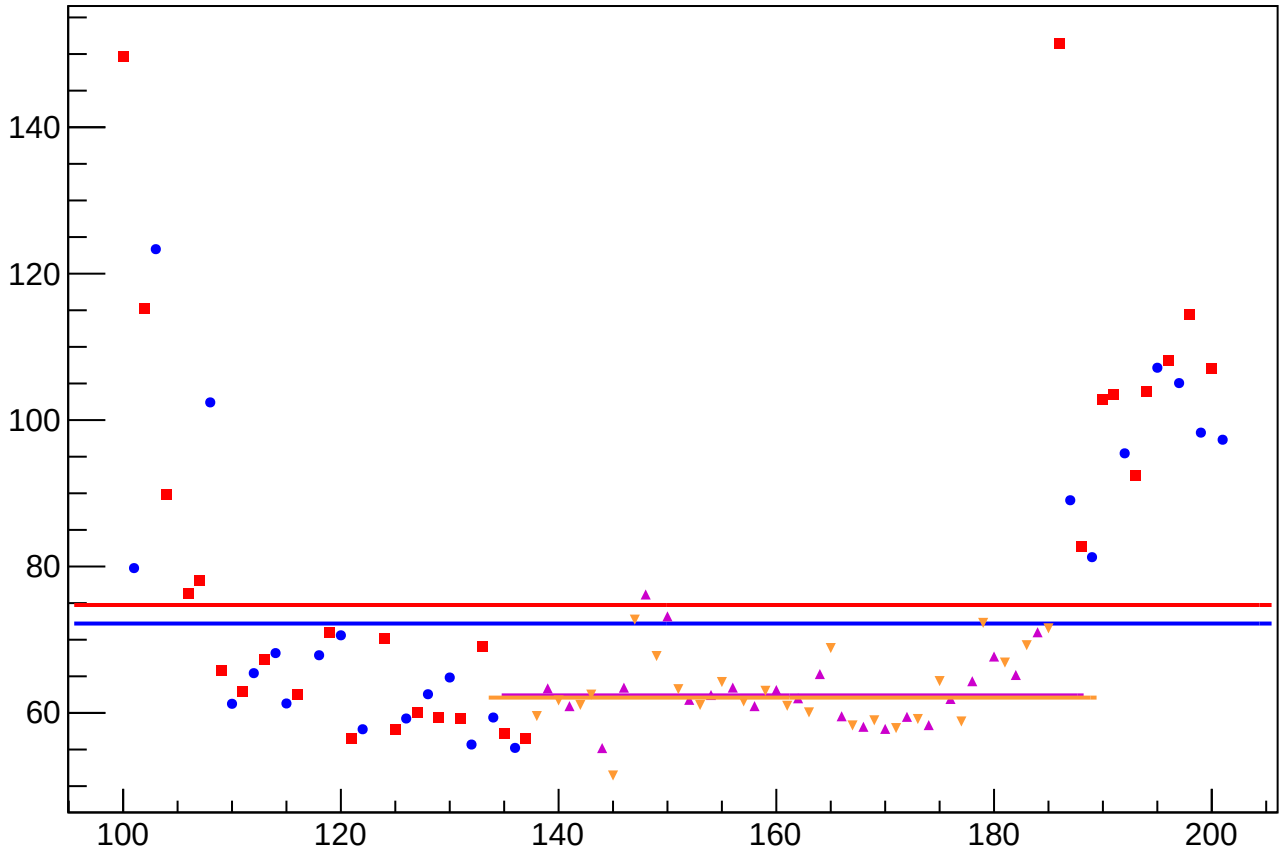
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 7.840+/-14.980 χ^2/NDF: 55.5/50

In: -52.616+/-12.073 χ^2/NDF:67.5/45

Out: -63.301+/-11.762 χ^2/NDF:89.8/52

All: -58.098+/-8.425 χ^2/NDF: 157.7/98



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: 74.743+/-0.015 χ^2/NDF: 1795685.7/27

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

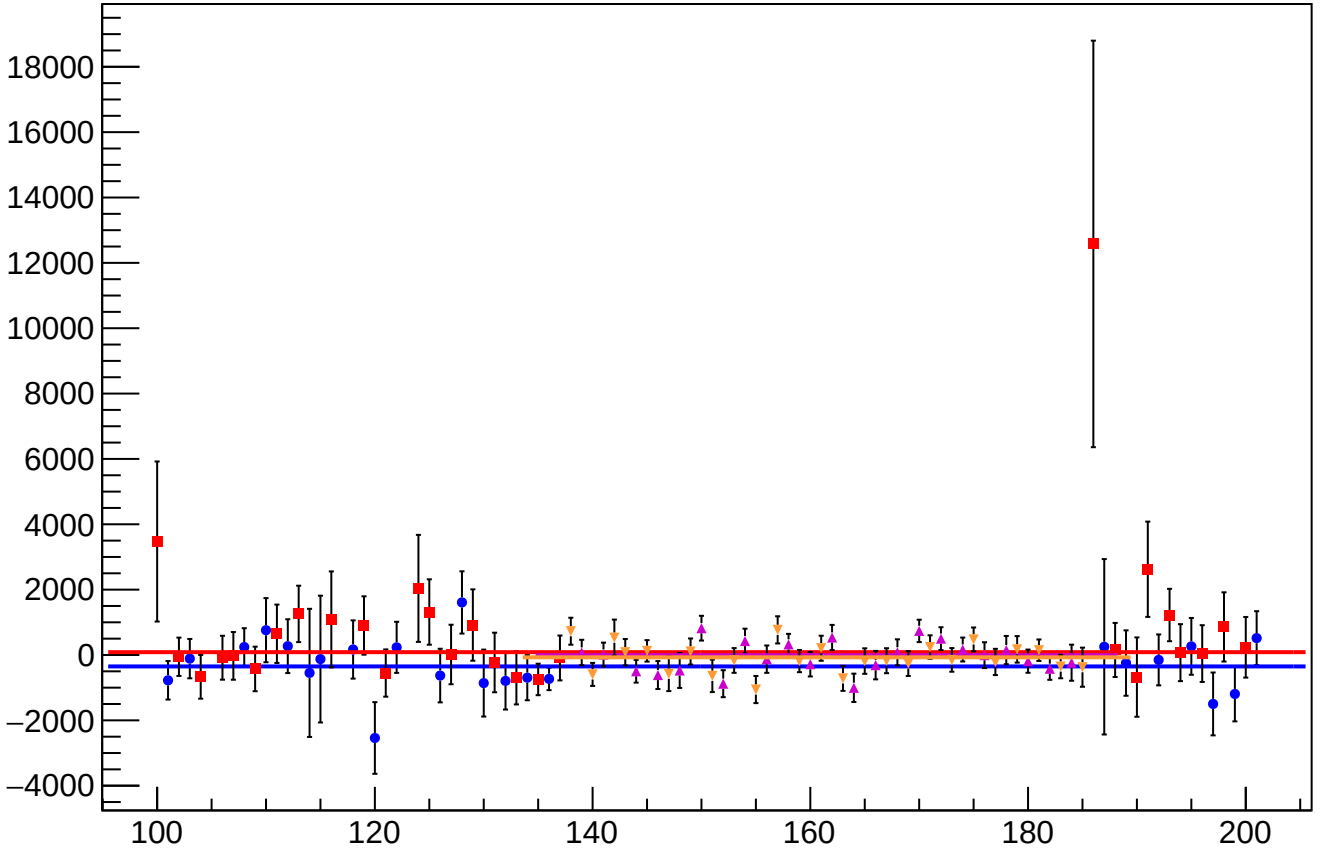
Right: 73.489+/-0.011 χ^2/NDF: 3267545.4/50

In: 65.550+/-0.009 χ^2/NDF:1934612.4/45

Out: 66.033+/-0.008 χ^2/NDF:2525065.7/52

All: 65.797+/-0.006 χ^2/NDF: 4461320.1/98

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



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: 86.504+/-159.682 χ^2/NDF: 25.9/27

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

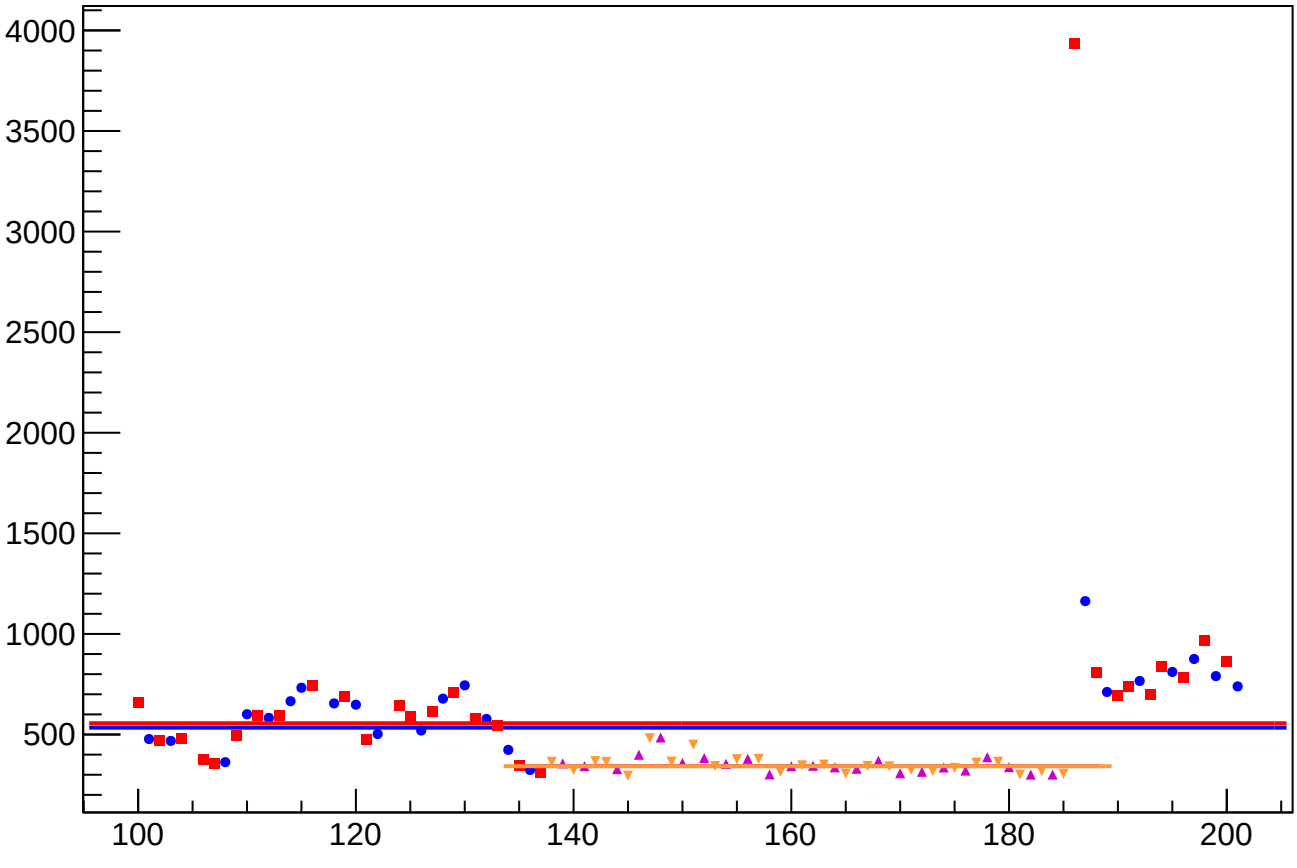
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -130.705+/-113.189 χ^2/NDF: 48.6/50

In: -75.640+/-72.139 χ^2/NDF:56.6/45

Out: -40.669+/-70.375 χ^2/NDF:55.2/52

All: -57.722+/-50.375 χ^2/NDF: 112.0/98



Right In: 534.261+/-0.113 χ^2/NDF: 2373067.7/22

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 556.012+/-0.113 χ^2/NDF: 2957435.3/27

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

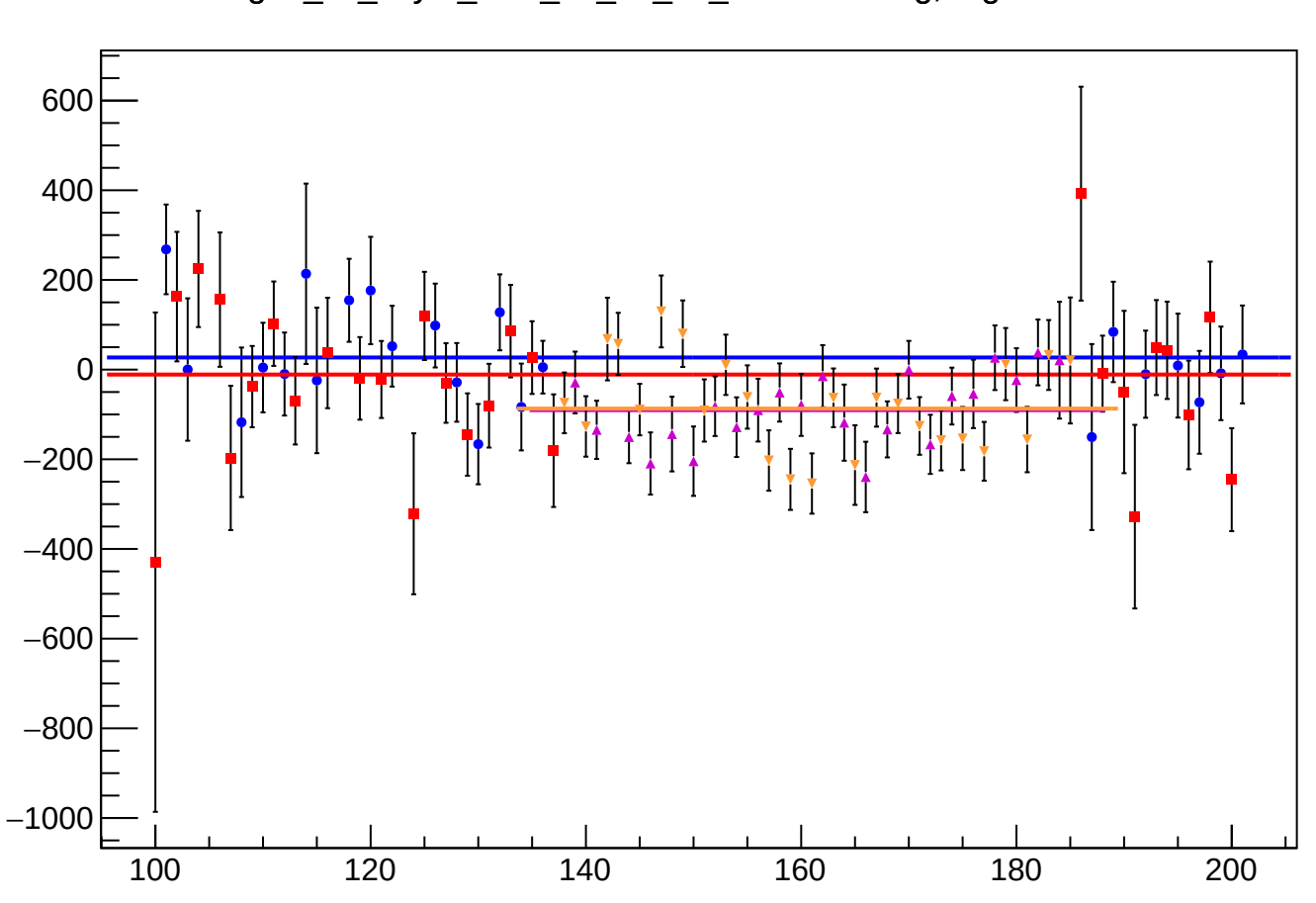
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 545.190+/-0.080 χ^2/NDF: 5348967.5/50

In: 381.849+/-0.051 χ^2/NDF:5007257.4/45

Out: 383.973+/-0.050 χ^2/NDF:6272785.7/52

All: 382.937+/-0.036 χ^2/NDF: 11280931.7/98



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: -10.999+/-21.077 χ^2/NDF: 32.0/27

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

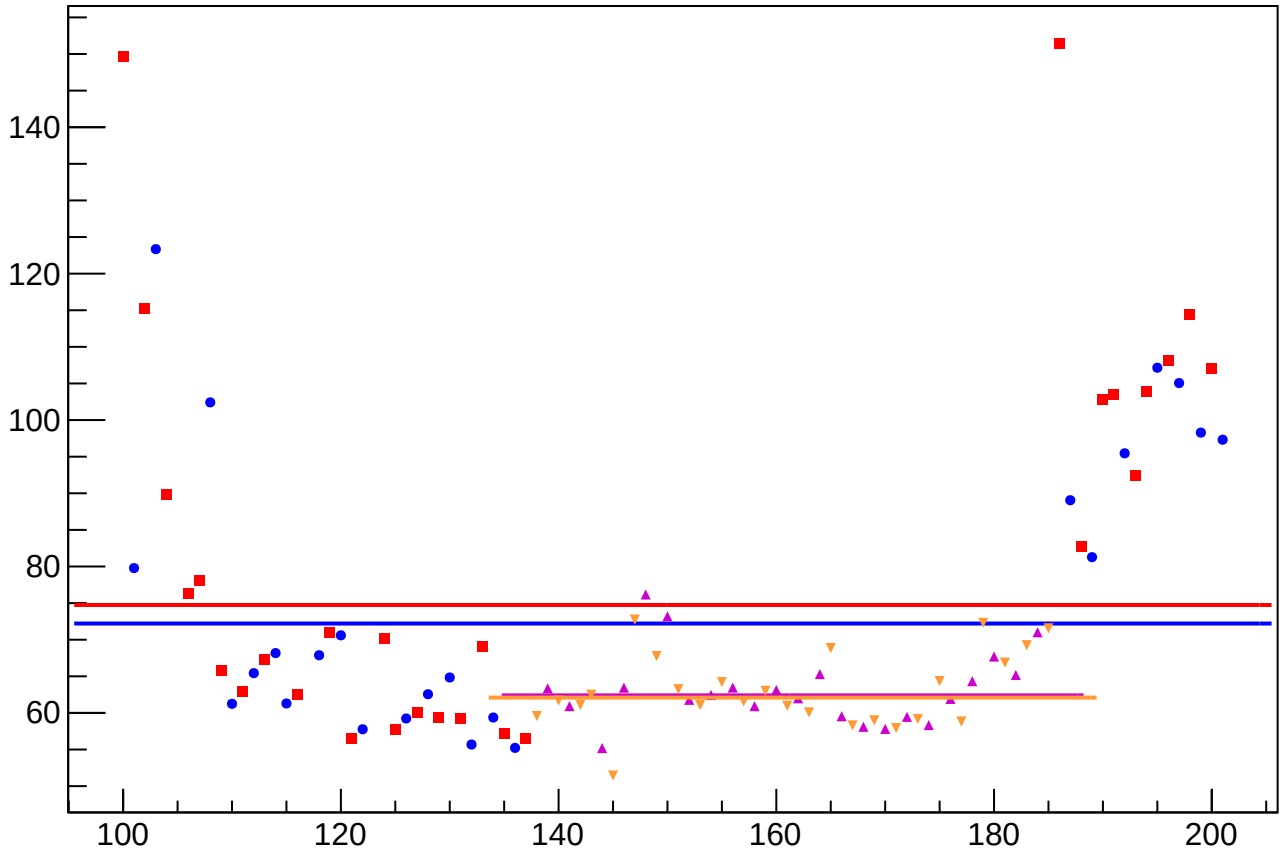
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 7.840+/-14.980 χ^2/NDF: 55.5/50

In: -52.616+/-12.073 χ^2/NDF:67.5/45

Out: -63.301+/-11.762 χ^2/NDF:89.8/52

All: -58.098+/-8.425 χ^2/NDF: 157.7/98



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: 74.743+/-0.015 χ^2/NDF: 1795687.0/27

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

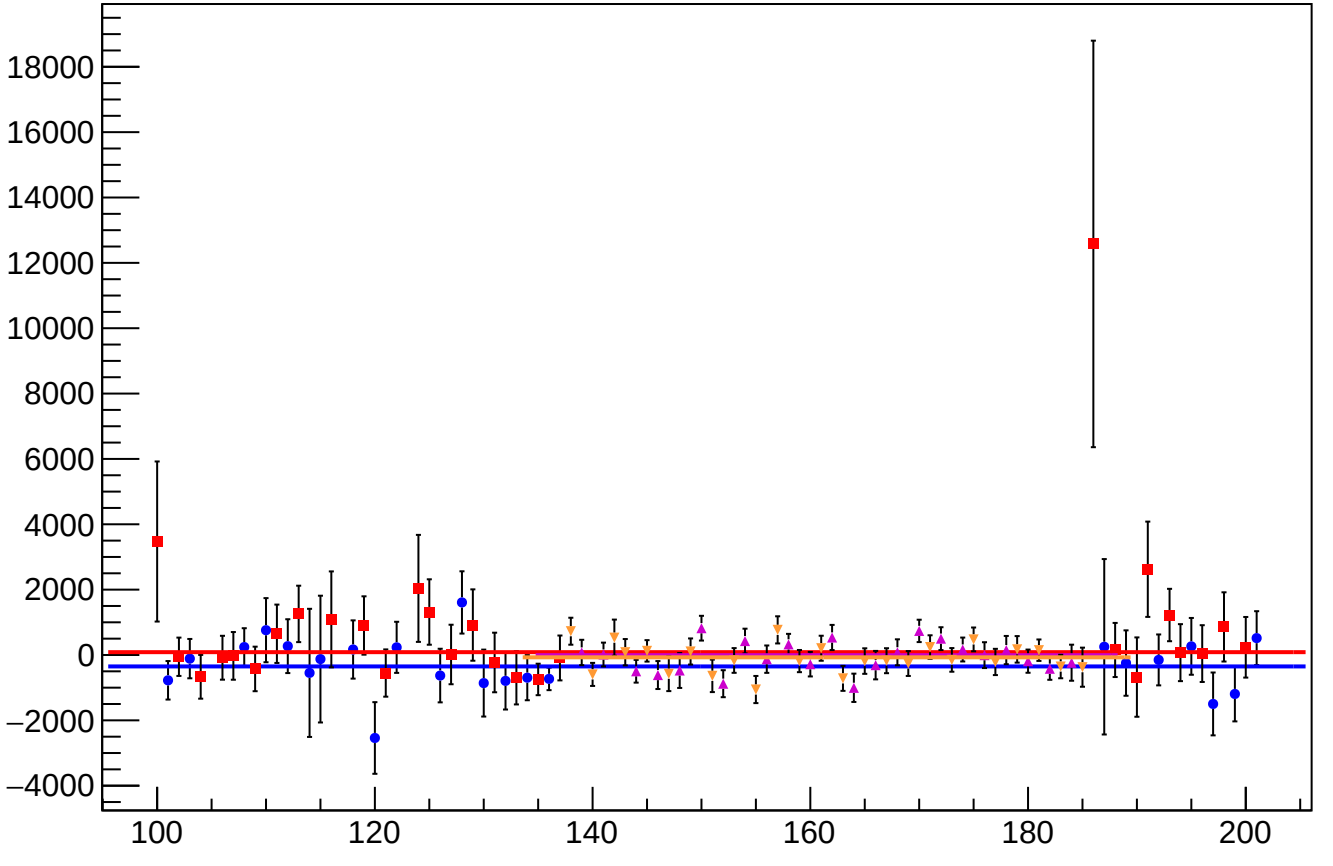
Right: 73.489+/-0.011 χ^2/NDF: 3267568.3/50

In: 65.550+/-0.009 χ^2/NDF:1934631.0/45

Out: 66.033+/-0.008 χ^2/NDF:2525066.0/52

All: 65.797+/-0.006 χ^2/NDF: 4461338.9/98

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: 86.504+/-159.682 χ^2/NDF: 25.9/27

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

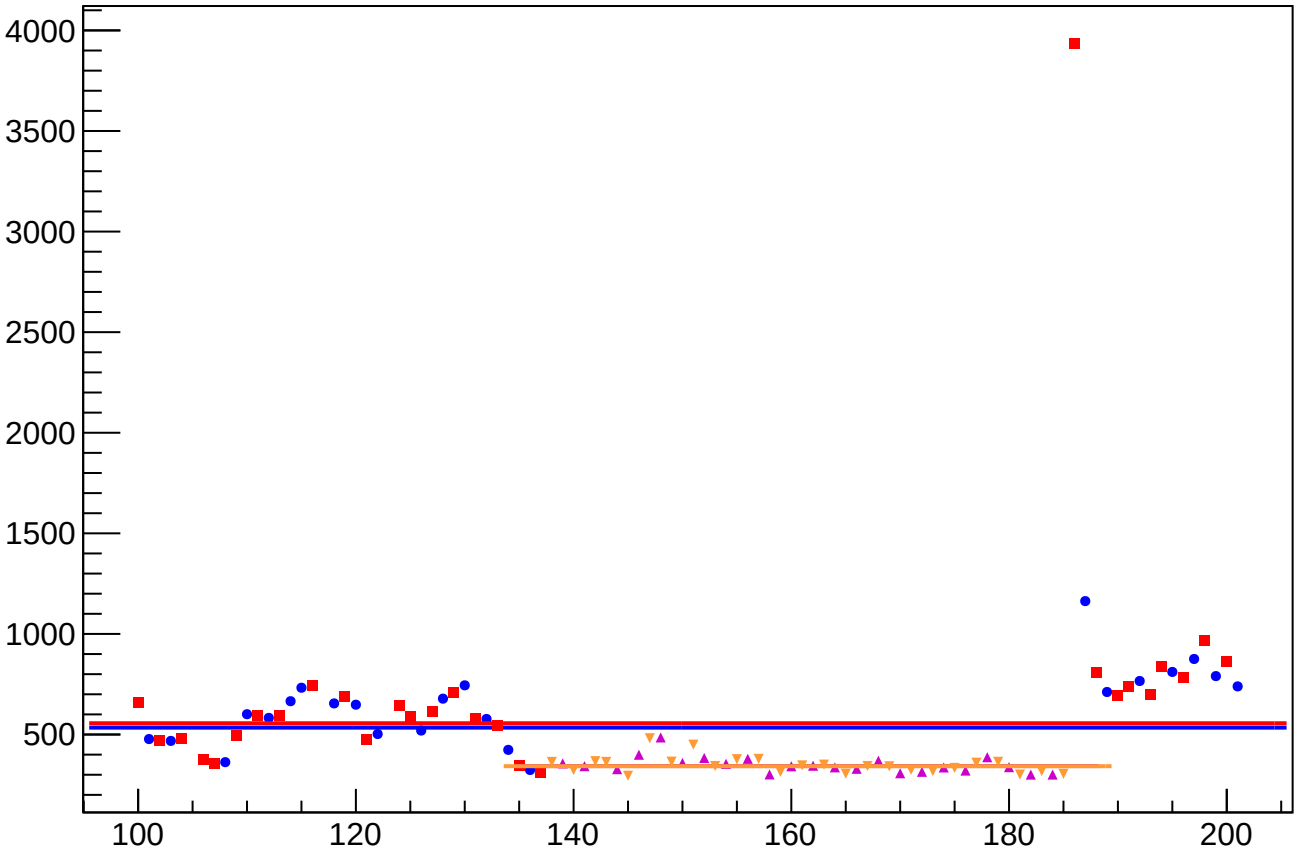
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -130.705+/-113.189 χ^2/NDF: 48.6/50

In: -75.641+/-72.139 χ^2/NDF:56.6/45

Out: -40.669+/-70.375 χ^2/NDF:55.2/52

All: -57.722+/-50.375 χ^2/NDF: 112.0/98



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: 556.012+/-0.113 χ^2/NDF: 2957441.4/27

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

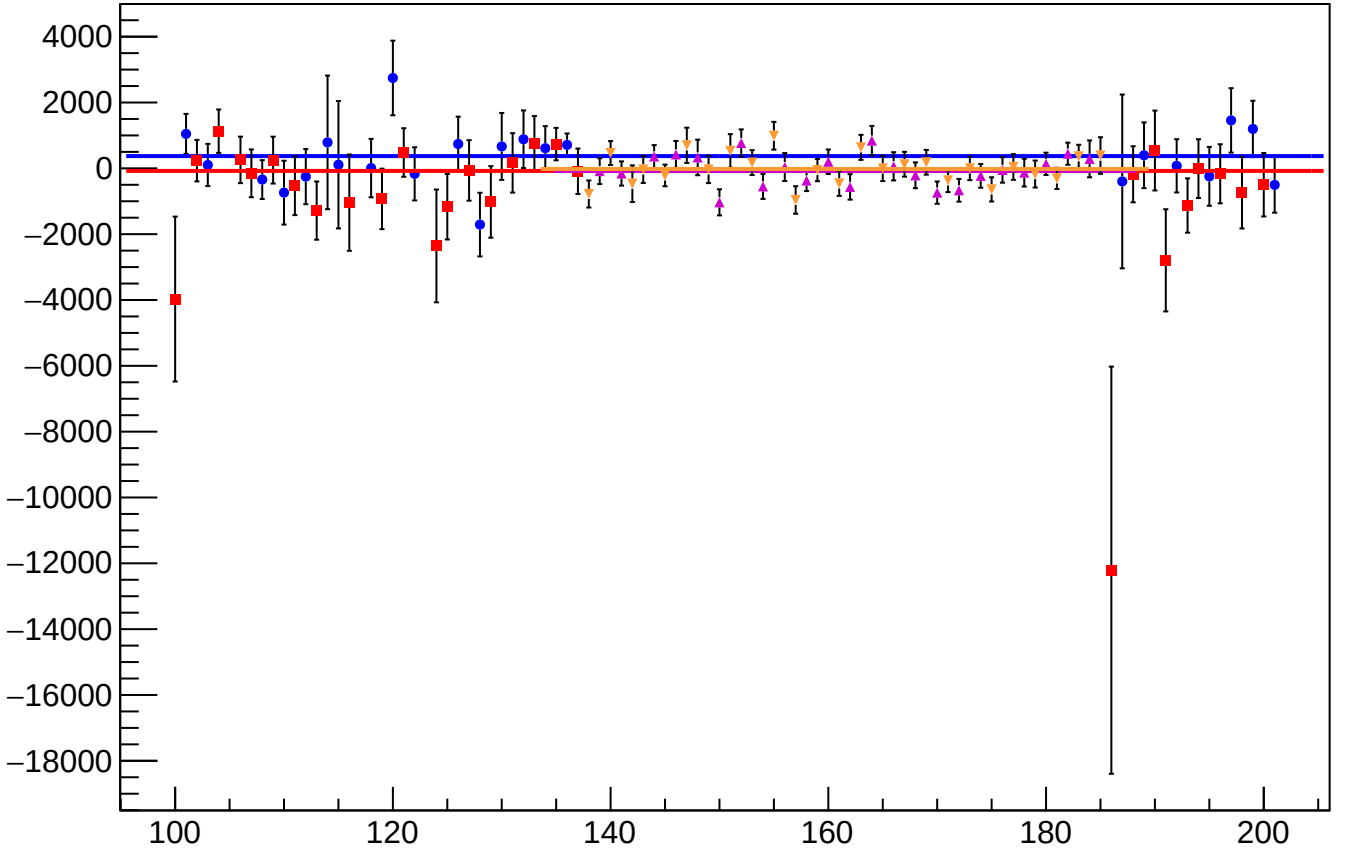
Right: 545.189+/-0.080 χ^2/NDF: 5348977.2/50

In: 381.849+/-0.051 χ^2/NDF:5007249.0/45

Out: 383.973+/-0.050 χ^2/NDF:6272778.2/52

All: 382.937+/-0.036 χ^2/NDF: 11280915.8/98

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: -78.016+/-163.260 χ^2/NDF: 27.3/27

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

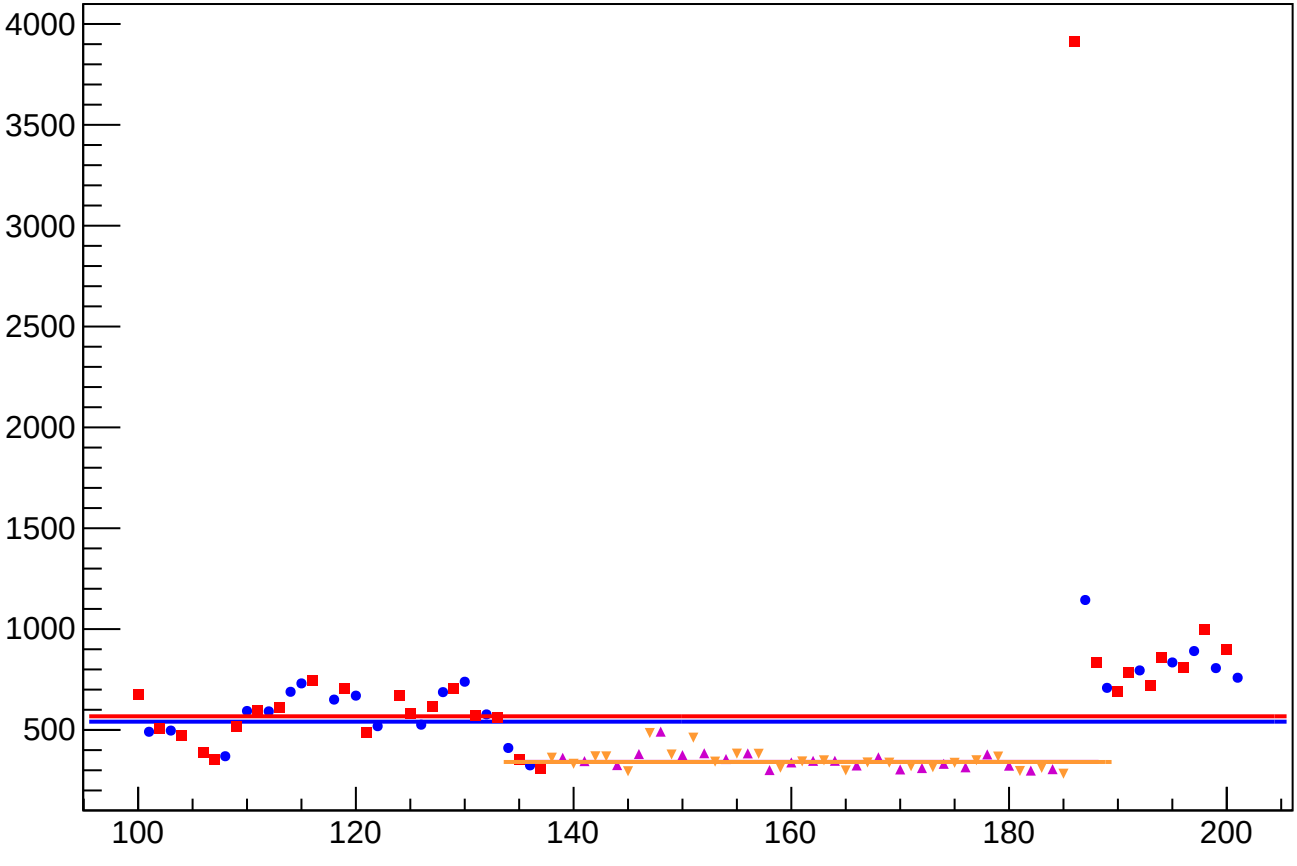
Right: 147.544+/-115.302 χ^2/NDF: 51.2/50

In: 9.619+/-72.101 χ^2/NDF:59.1/45

Out: -31.048+/-70.524 χ^2/NDF:58.9/52

All: -11.164+/-50.416 χ^2/NDF: 118.2/98

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: 567.626+/-0.115 χ^2/NDF: 2995252.4/27

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

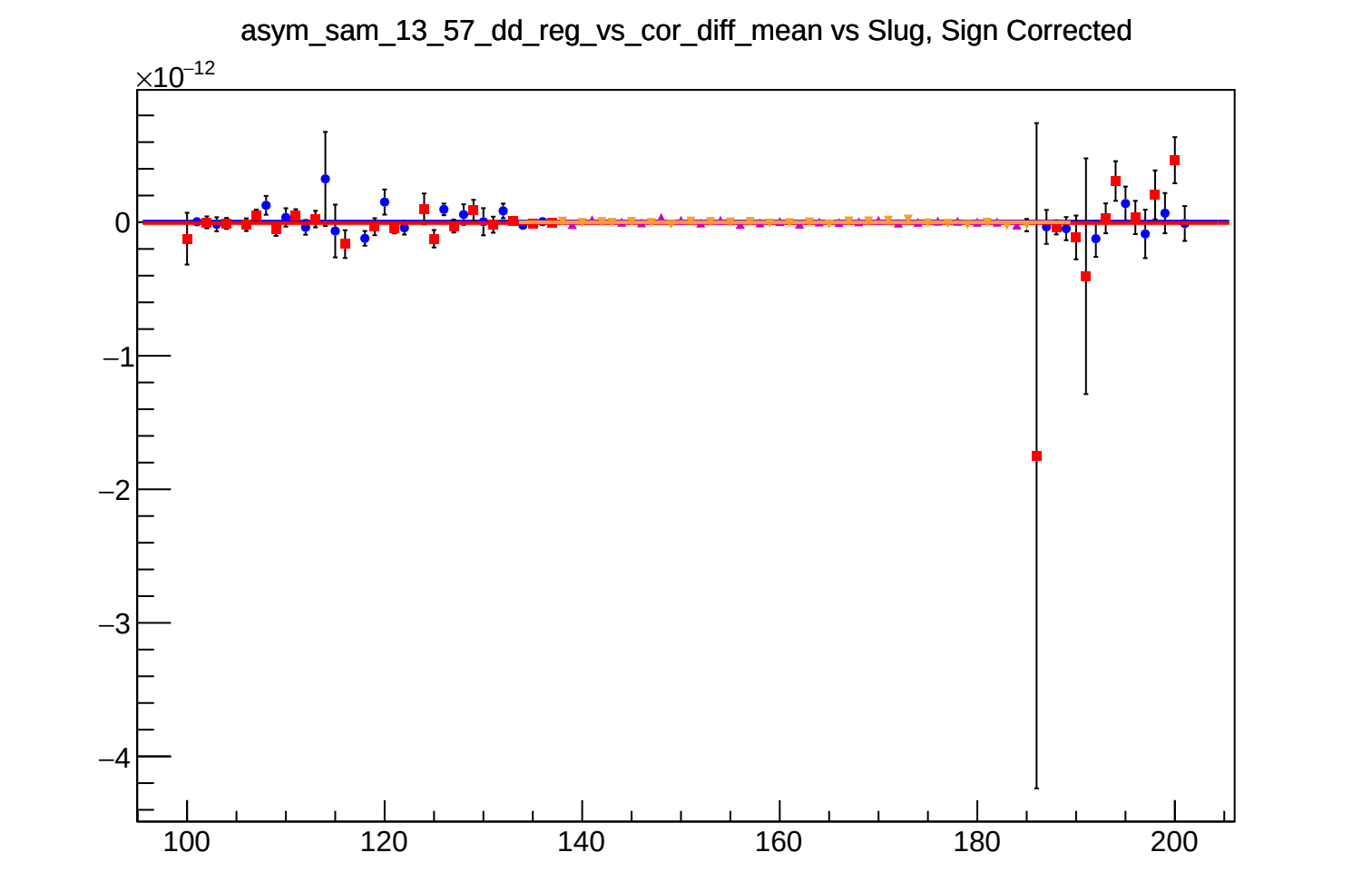
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 554.300+/-0.082 χ^2/NDF: 5454530.1/50

In: 380.706+/-0.051 χ^2/NDF:5240402.6/45

Out: 383.451+/-0.050 χ^2/NDF:6635279.6/52

All: 382.109+/-0.036 χ^2/NDF: 11877163.3/98



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: 29.0/27

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

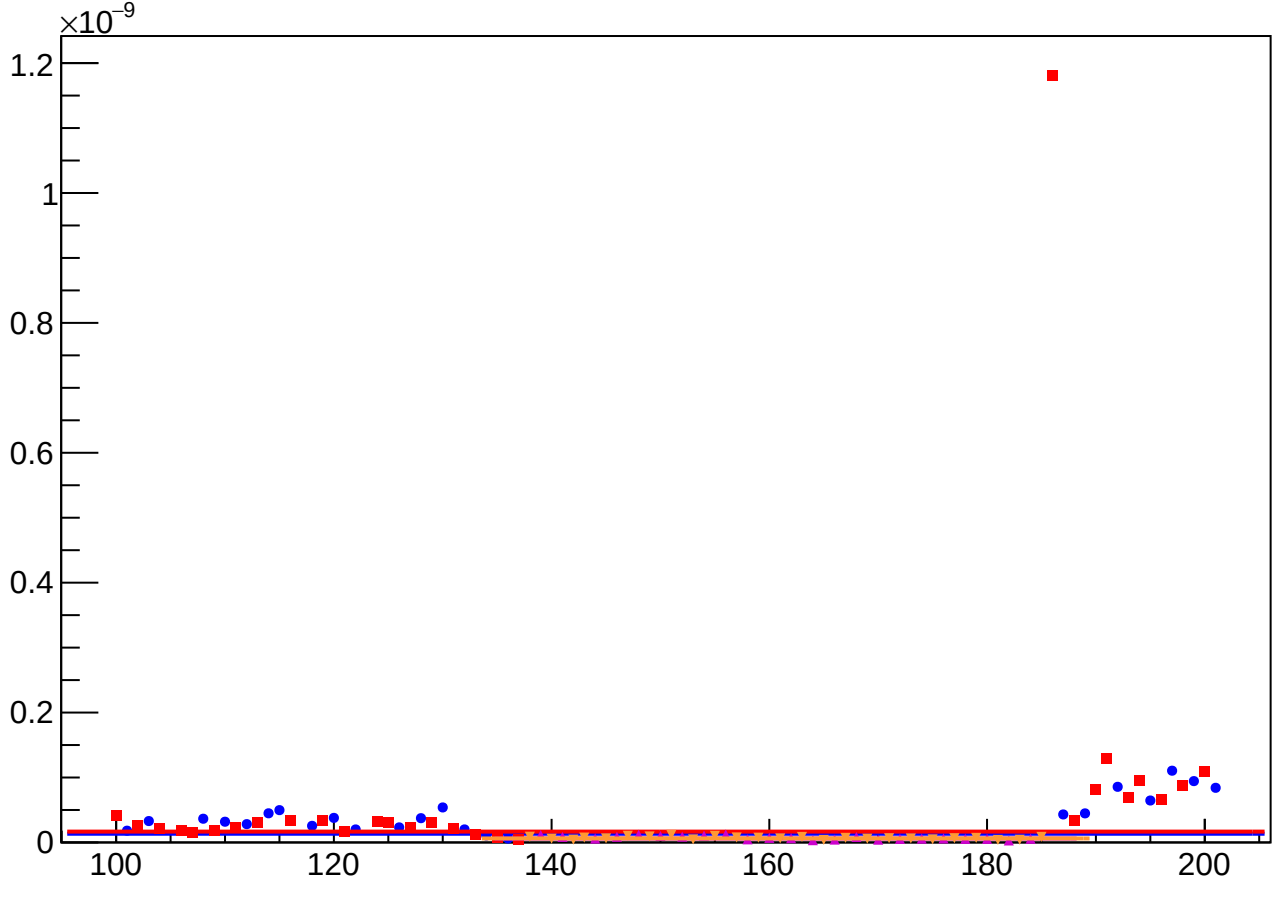
Right: 0.000+/-0.000 χ^2/NDF: 54.0/50

In: 0.000+/-0.000 χ^2/NDF:38.6/45

Out: -0.000+/-0.000 χ^2/NDF:48.6/52

All: 0.000+/-0.000 χ^2/NDF: 88.2/98

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 5070879.4/27

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

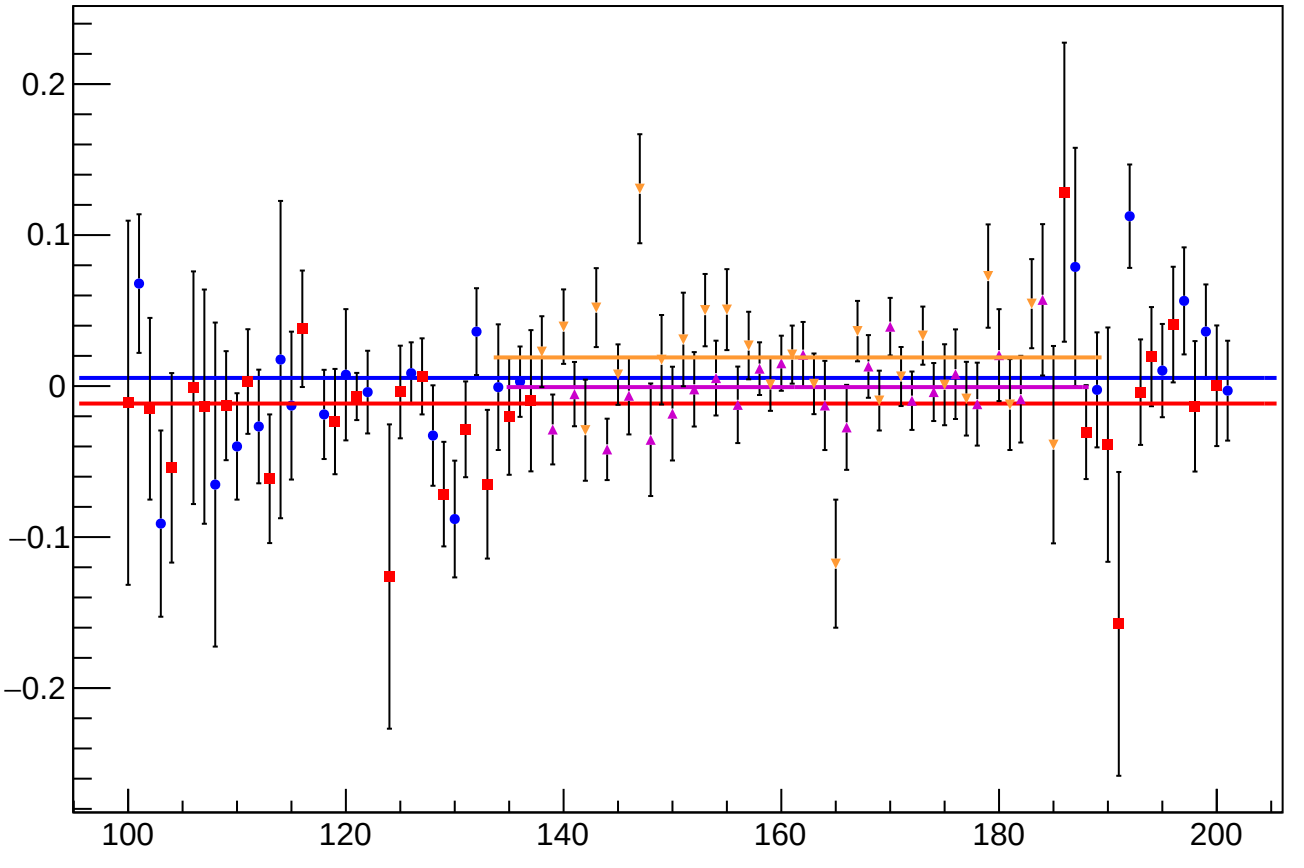
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11140600.2/50

In: 0.000+/-0.000 χ^2/NDF:9142258.3/45

Out: 0.000+/-0.000 χ^2/NDF:8765736.7/52

All: 0.000+/-0.000 χ^2/NDF: 17915082.9/98



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: -0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

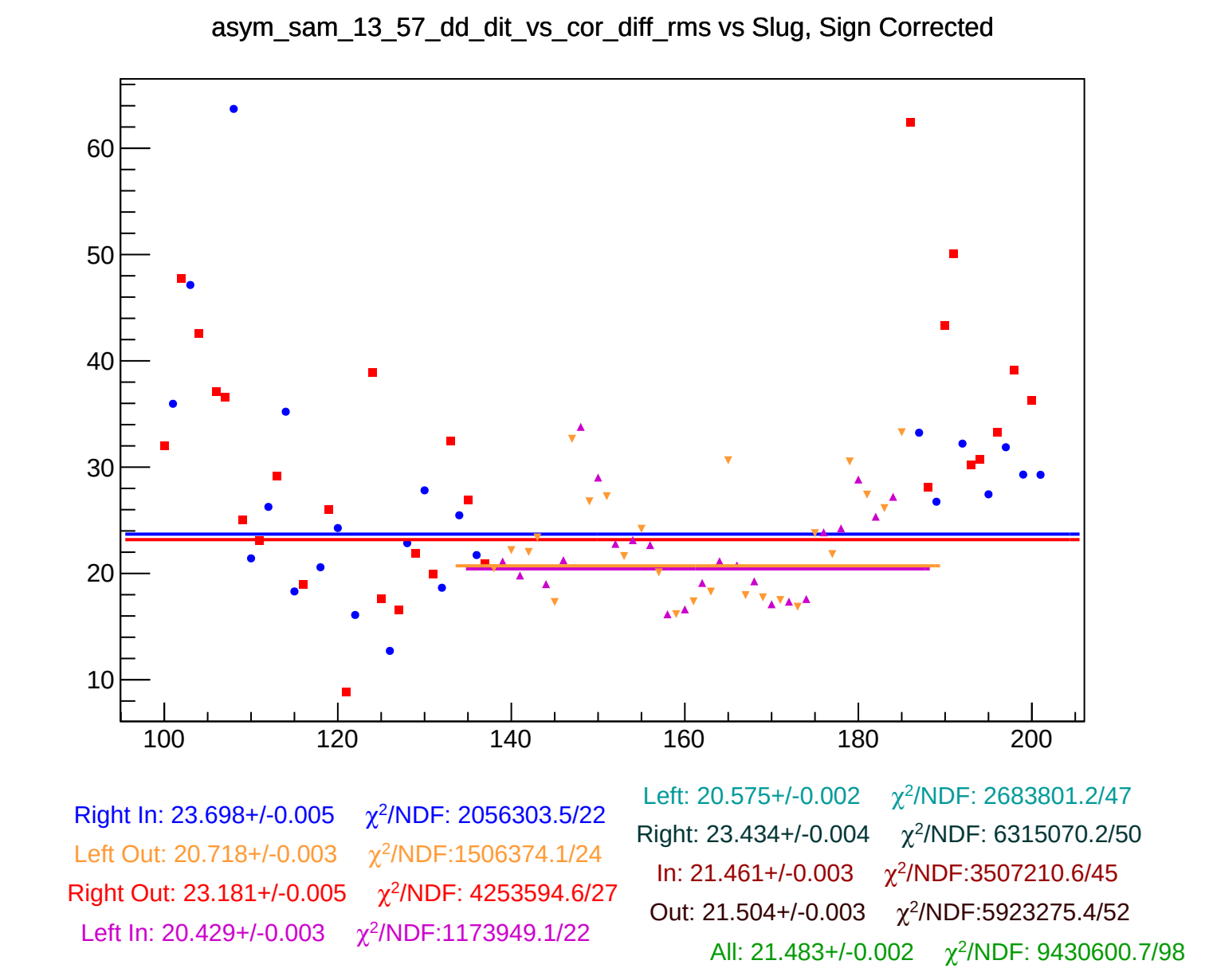
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

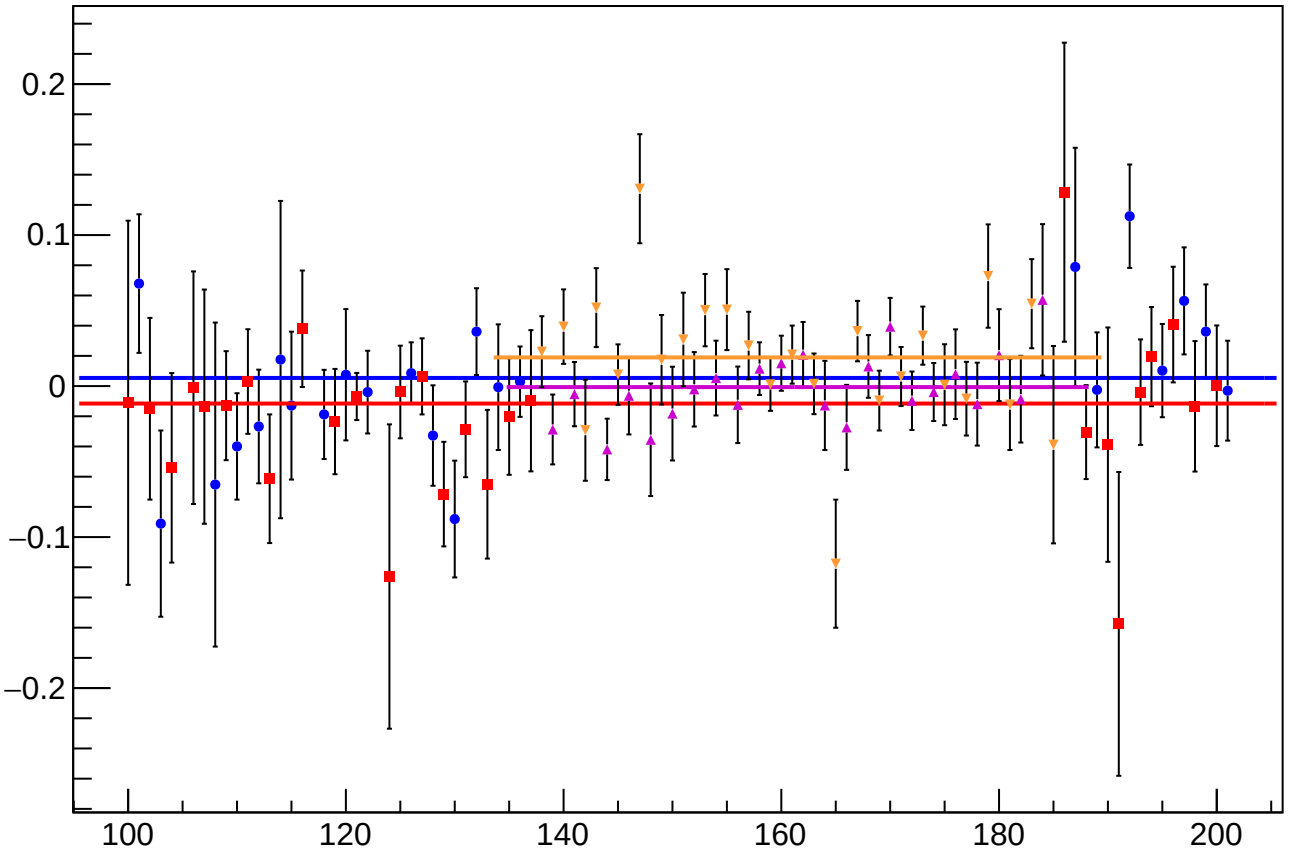
Right: -0.003+/-0.005 χ^2/NDF: 50.8/50

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.8/98


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: 23.181+/-0.005 χ²/NDF: 4253594.6/27
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 23.434+/-0.004 χ²/NDF: 6315070.2/50
In: 21.461+/-0.003 χ²/NDF:3507210.6/45
Out: 21.504+/-0.003 χ²/NDF:5923275.4/52
All: 21.483+/-0.002 χ²/NDF: 9430600.7/98



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: -0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

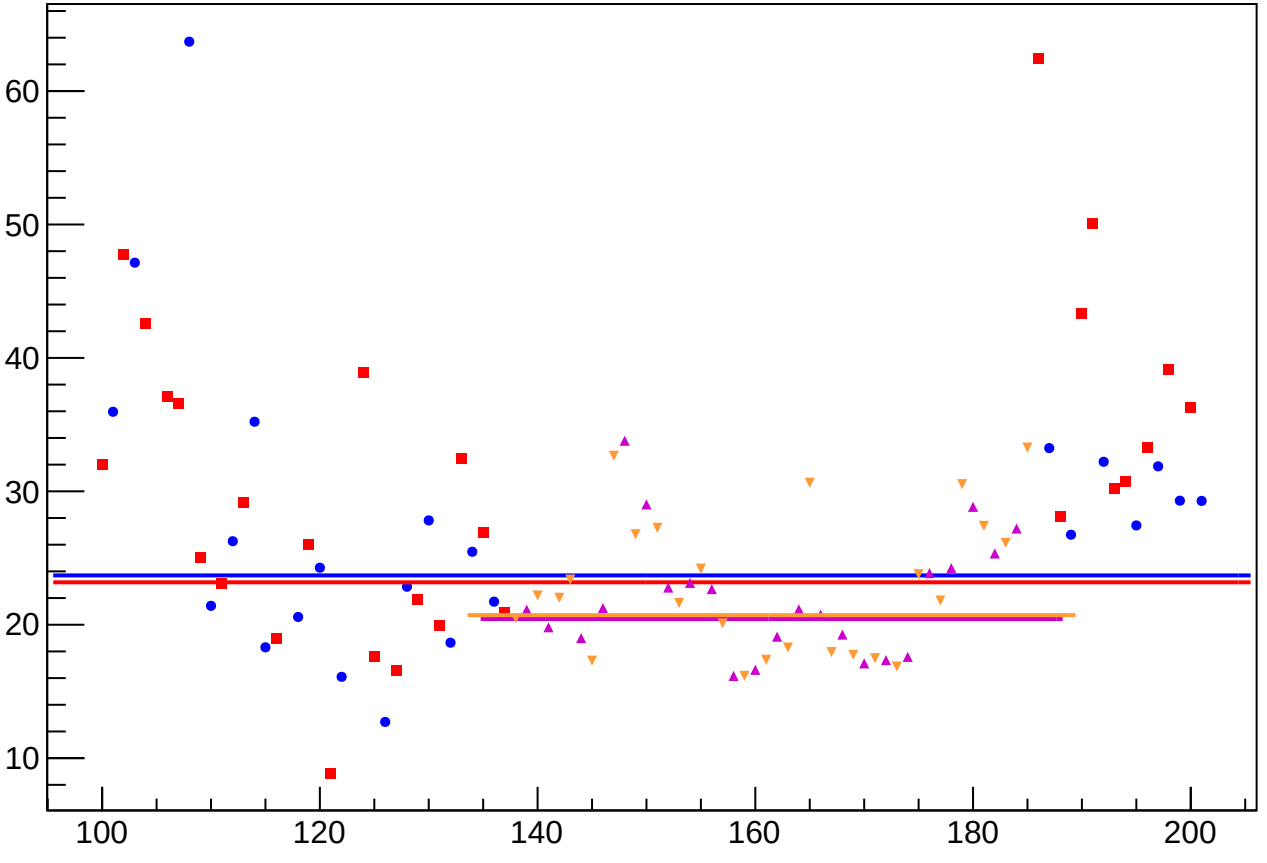
Right: -0.003+/-0.005 χ^2/NDF: 50.8/50

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.8/98

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: 23.181+/-0.005 χ^2/NDF: 4253594.6/27

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

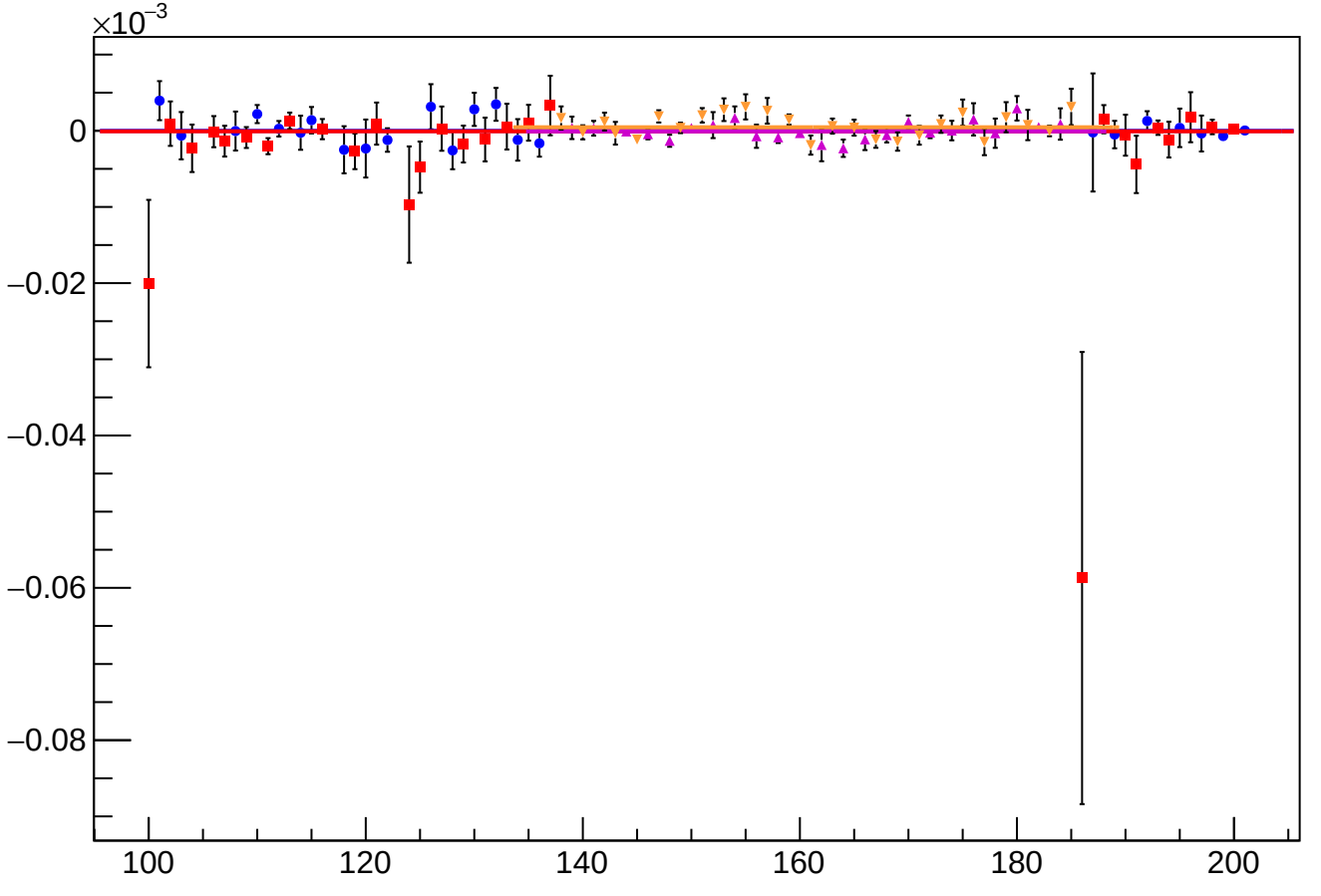
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.434+/-0.004 χ^2/NDF: 6315070.2/50

In: 21.461+/-0.003 χ^2/NDF:3507210.6/45

Out: 21.504+/-0.003 χ^2/NDF:5923275.4/52

All: 21.483+/-0.002 χ^2/NDF: 9430600.7/98



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: 23.9/27

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

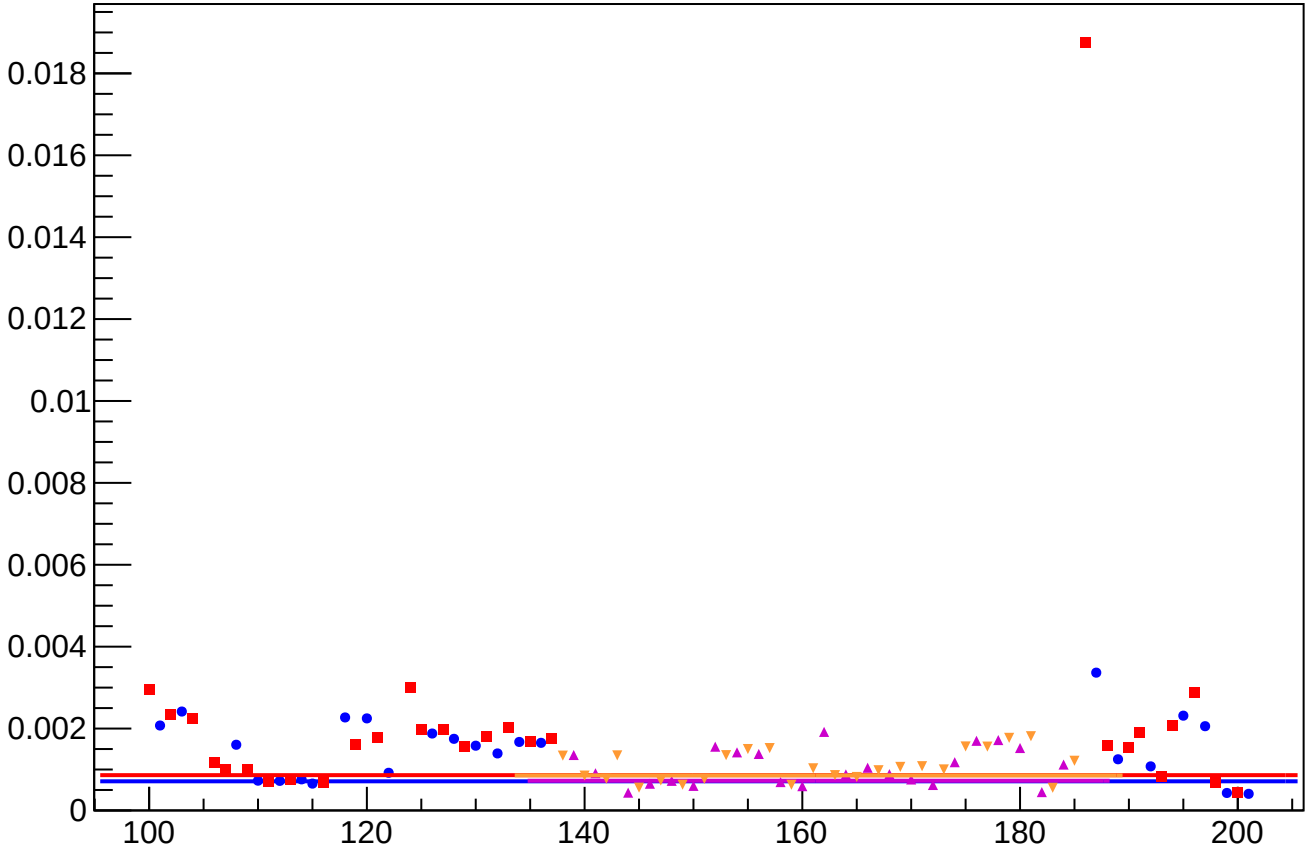
Right: -0.000+/-0.000 χ^2/NDF: 43.1/50

In: -0.000+/-0.000 χ^2/NDF:38.8/45

Out: 0.000+/-0.000 χ^2/NDF:62.8/52

All: 0.000+/-0.000 χ^2/NDF: 103.8/98

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: 7486528.8/27

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

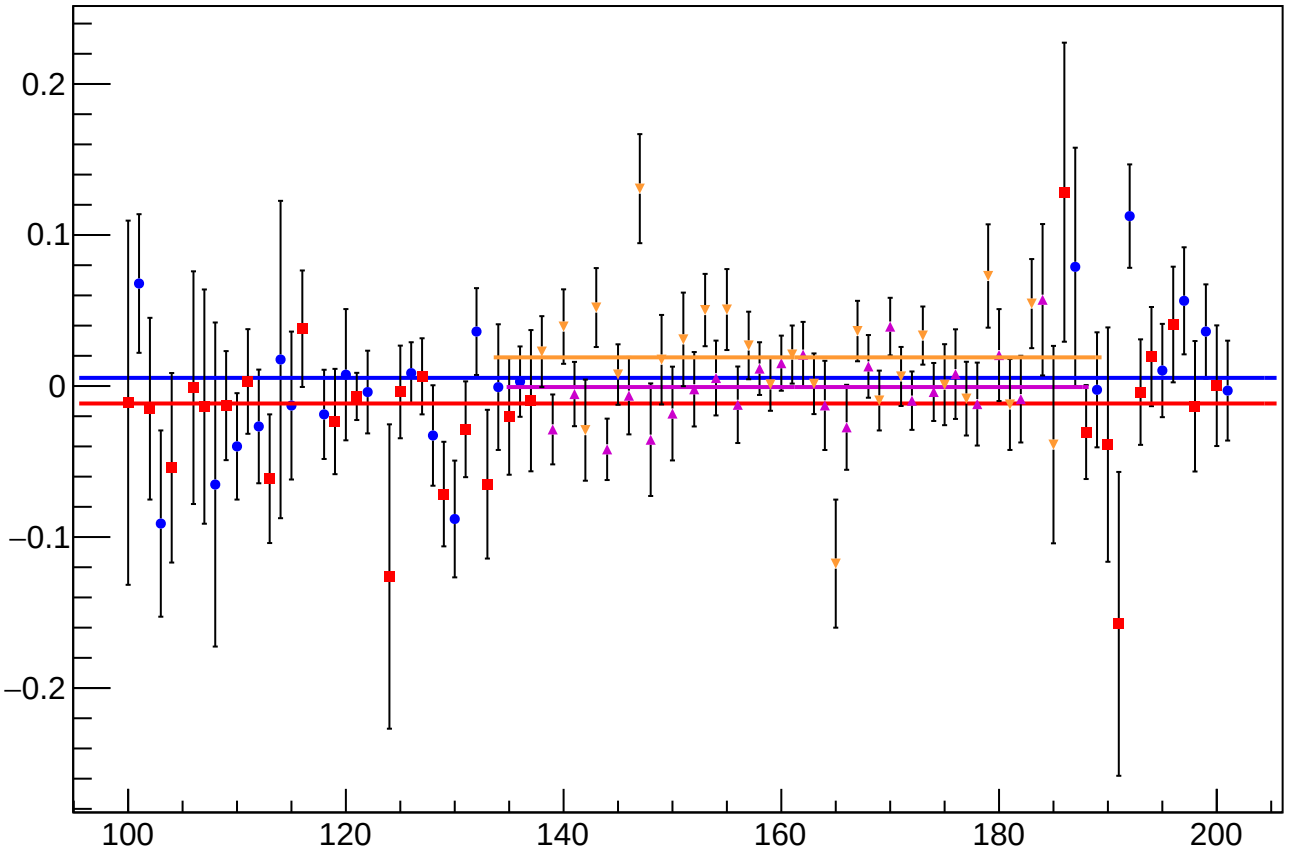
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 15823169.1/50

In: 0.001+/-0.000 χ^2/NDF:13838362.4/45

Out: 0.001+/-0.000 χ^2/NDF:11926141.8/52

All: 0.001+/-0.000 χ^2/NDF: 26497359.1/98



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: -0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

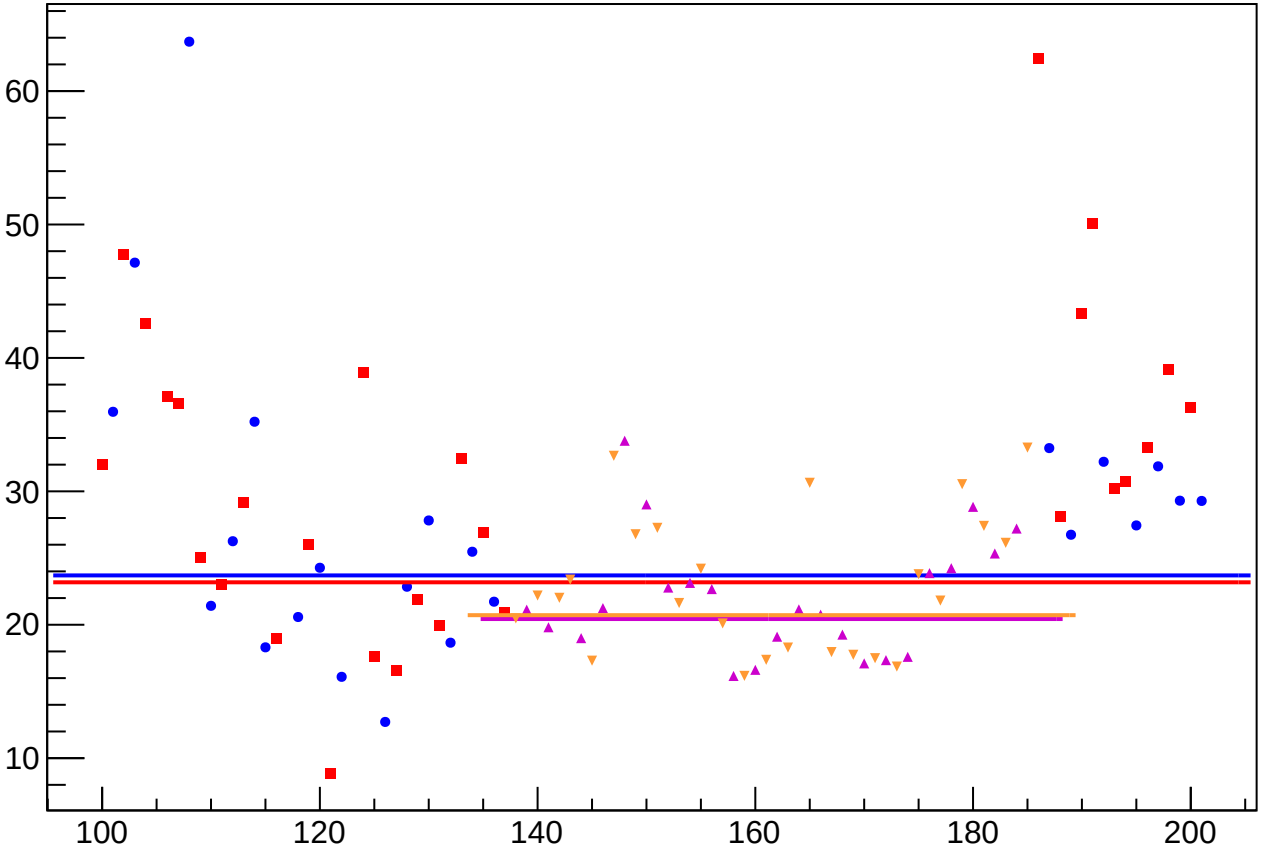
Right: -0.003+/-0.005 χ^2/NDF: 50.8/50

In: 0.001+/-0.004 χ^2/NDF:48.4/45

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.8/98

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: 23.181+/-0.005 χ^2/NDF: 4253023.2/27

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

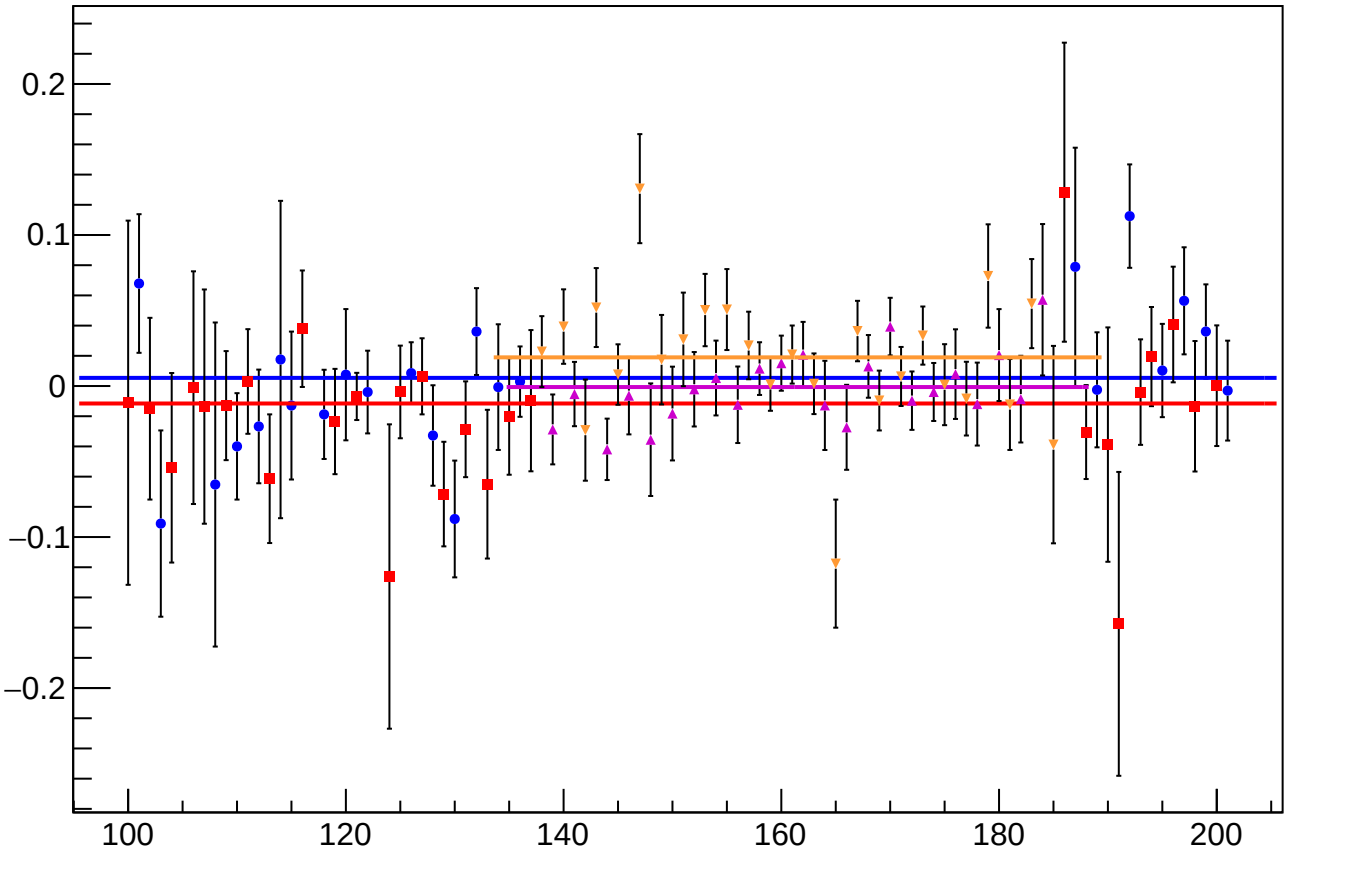
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.434+/-0.004 χ^2/NDF: 6314310.2/50

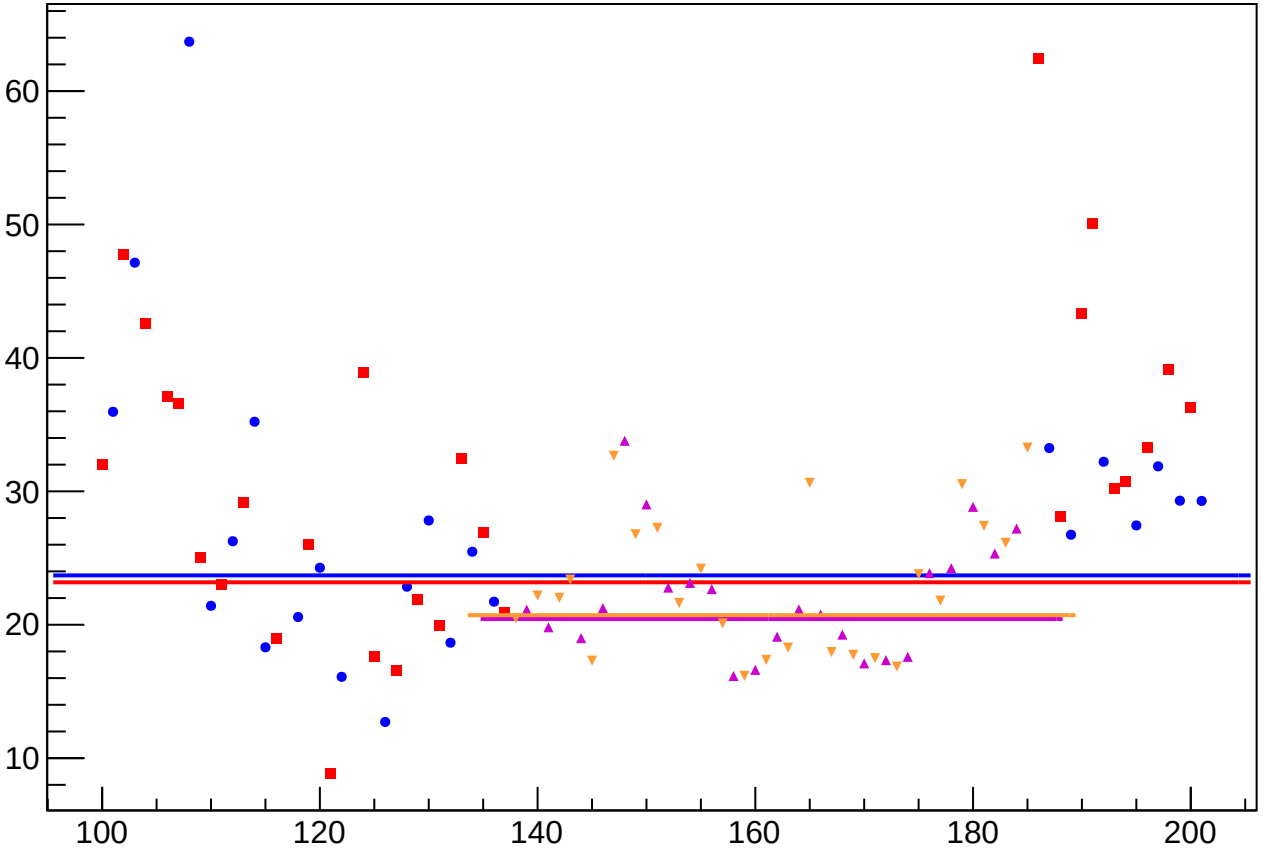
In: 21.461+/-0.003 χ^2/NDF:3507115.3/45

Out: 21.504+/-0.003 χ^2/NDF:5922887.0/52

All: 21.483+/-0.002 χ^2/NDF: 9430117.1/98


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.005+/-0.007 χ²/NDF: 30.2/22
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.012+/-0.007 χ²/NDF: 17.8/27
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.003+/-0.005 χ²/NDF: 50.8/50
In: 0.001+/-0.004 χ²/NDF:48.4/45
Out: 0.009+/-0.004 χ²/NDF:71.5/52
All: 0.005+/-0.003 χ²/NDF: 121.8/98

asym_sam_13_57_dd_eigen_dit_vs_eigen_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: 23.181+/-0.005 χ^2/NDF: 4253023.2/27

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

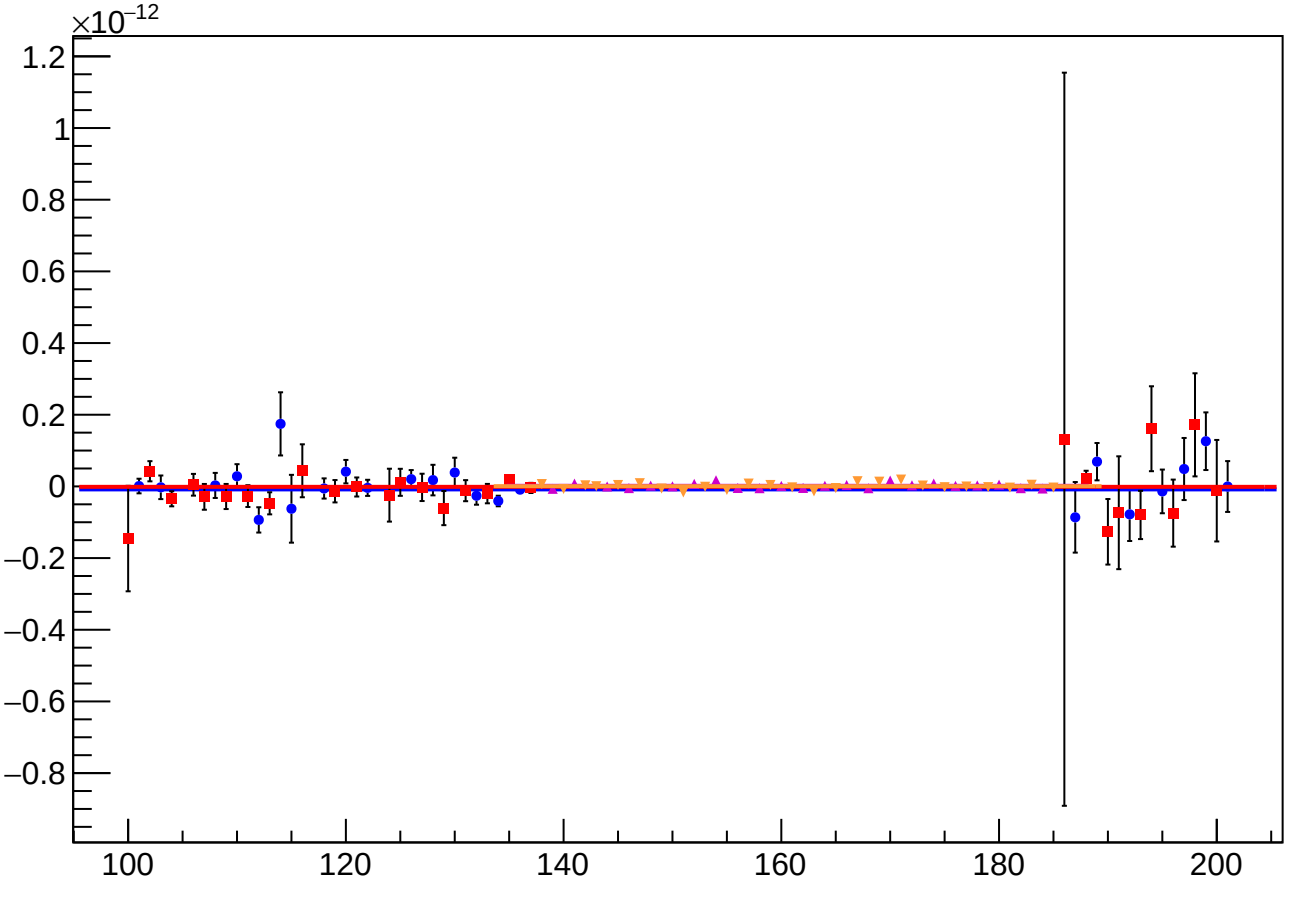
Right: 23.434+/-0.004 χ^2/NDF: 6314310.2/50

In: 21.461+/-0.003 χ^2/NDF:3507115.3/45

Out: 21.504+/-0.003 χ^2/NDF:5922887.0/52

All: 21.483+/-0.002 χ^2/NDF: 9430117.1/98

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 25.3/27

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

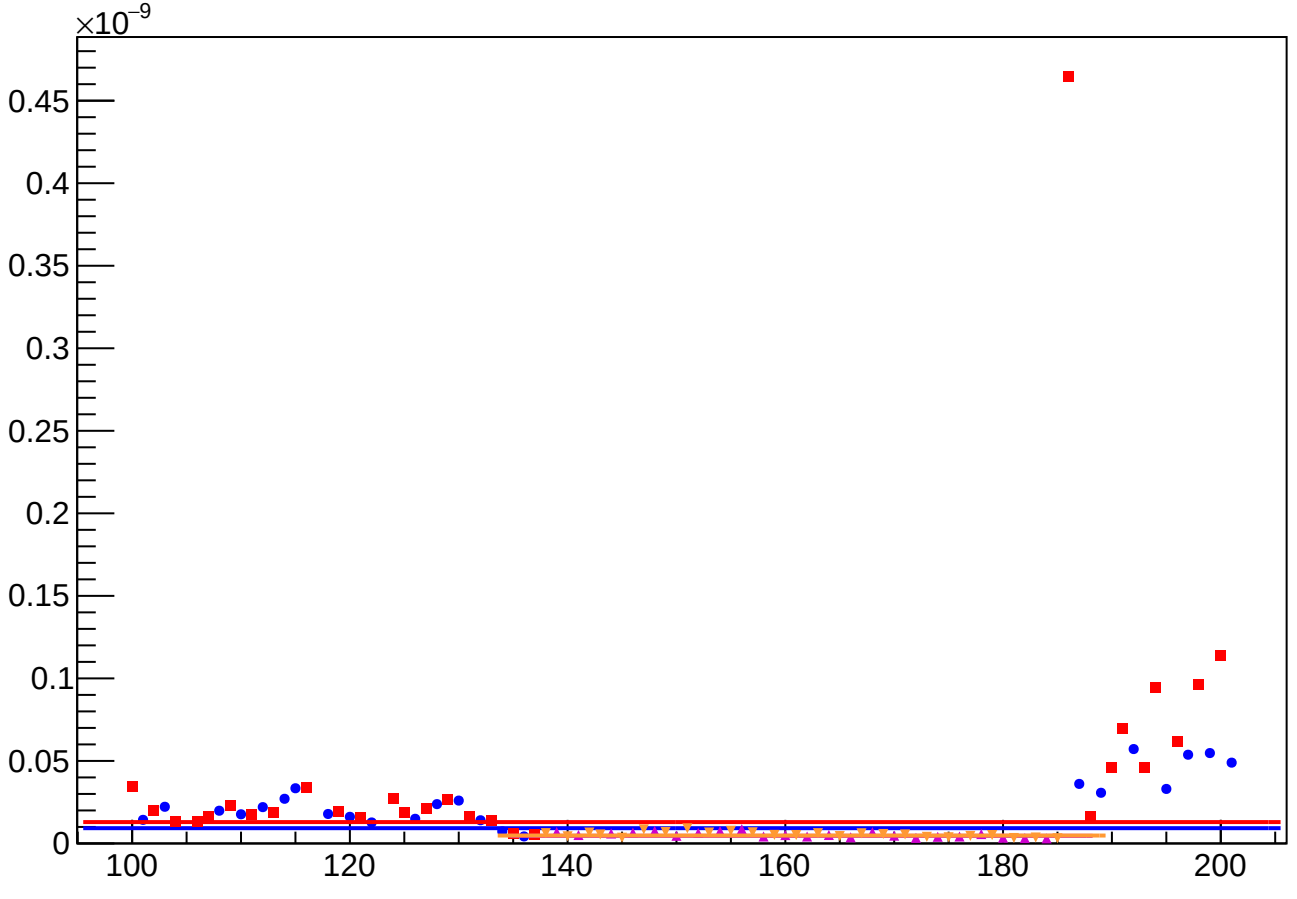
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 55.9/50

In: 0.000+/-0.000 χ^2/NDF:54.8/45

Out: 0.000+/-0.000 χ^2/NDF:54.5/52

All: 0.000+/-0.000 χ^2/NDF: 109.3/98



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: 7340742.3/27

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

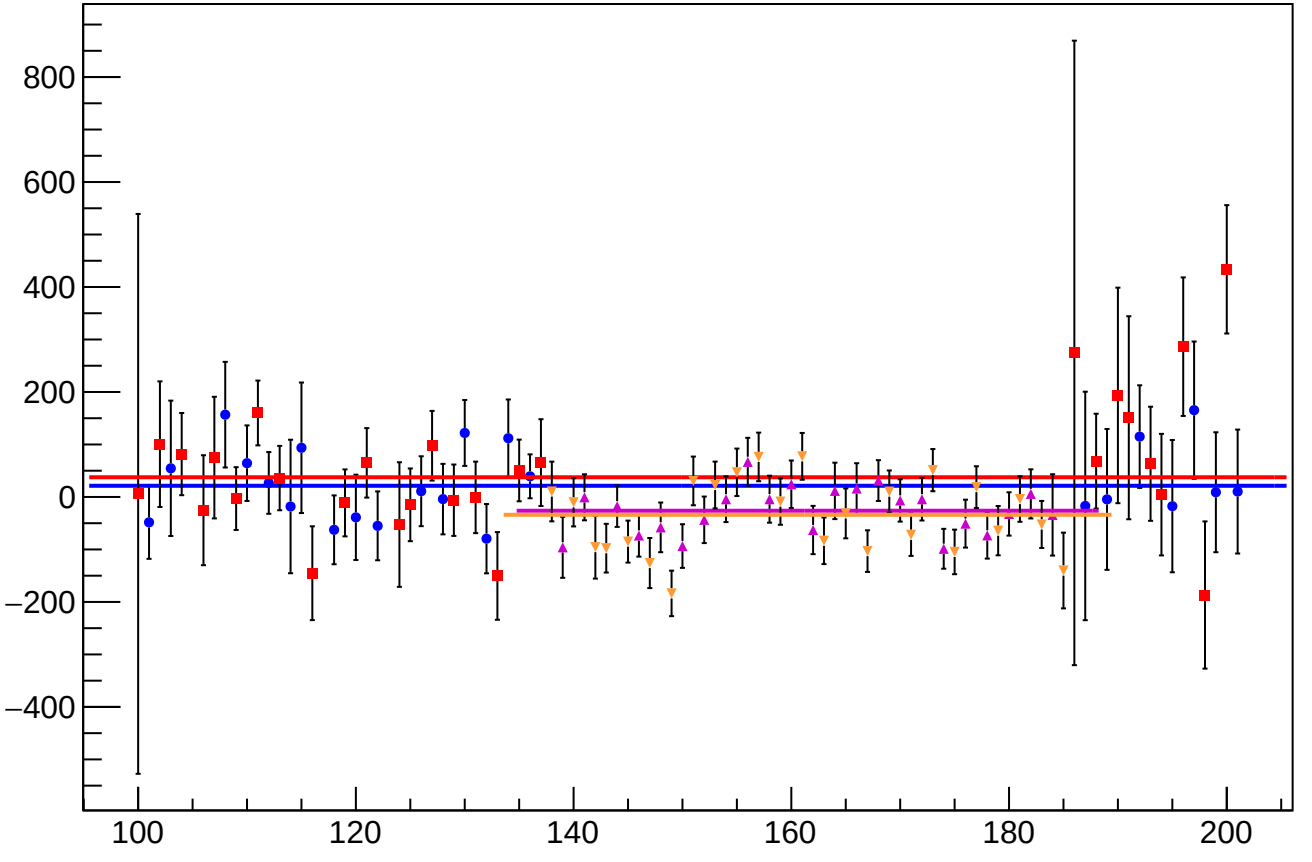
Right: 0.000+/-0.000 χ^2/NDF: 15129791.1/50

In: 0.000+/-0.000 χ^2/NDF:11159303.5/45

Out: 0.000+/-0.000 χ^2/NDF:13669760.2/52

All: 0.000+/-0.000 χ^2/NDF: 24866772.2/98

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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: 37.533+/-16.143 χ^2/NDF: 36.3/27

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

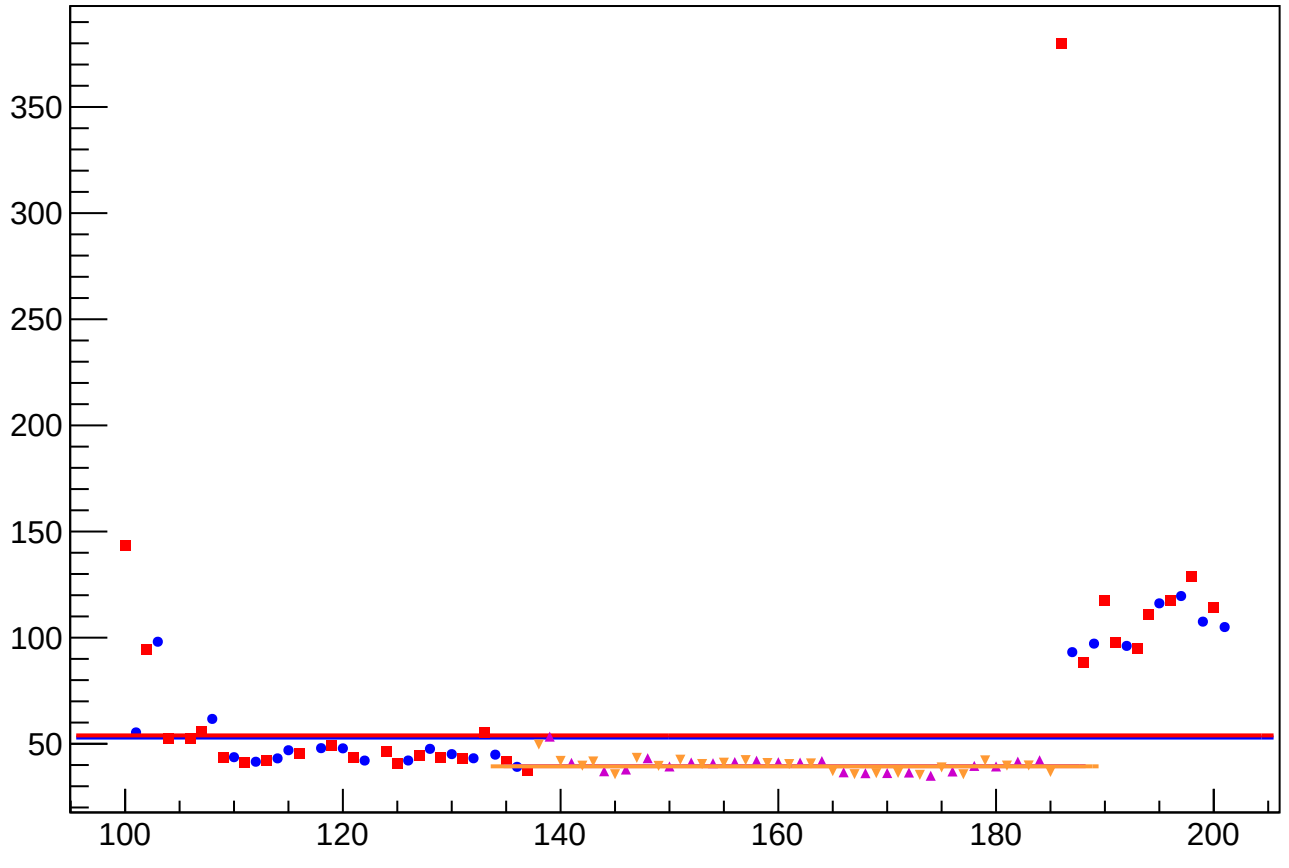
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.536+/-11.497 χ^2/NDF: 53.1/50

In: -14.722+/-8.068 χ^2/NDF:45.2/45

Out: -17.023+/-7.856 χ^2/NDF:110.0/52

All: -15.903+/-5.629 χ^2/NDF: 155.2/98



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: 53.953+/-0.011 χ^2/NDF: 4440702.3/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

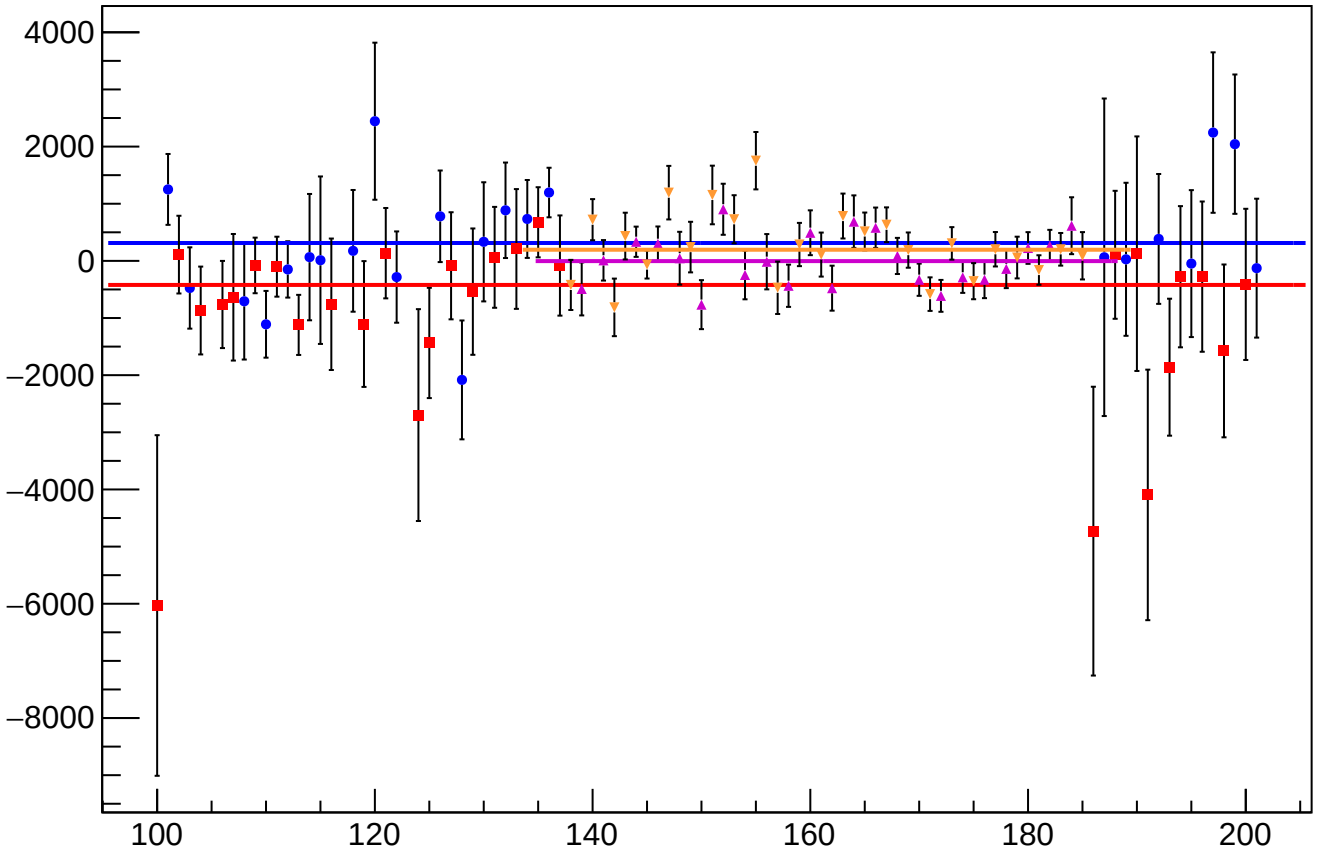
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.453+/-0.008 χ^2/NDF: 7832725.3/50

In: 42.754+/-0.006 χ^2/NDF:4660960.1/45

Out: 42.834+/-0.006 χ^2/NDF:5912918.2/52

All: 42.795+/-0.004 χ^2/NDF: 10573977.9/98



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: -420.918+/-169.103 χ^2/NDF: 23.1/27

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

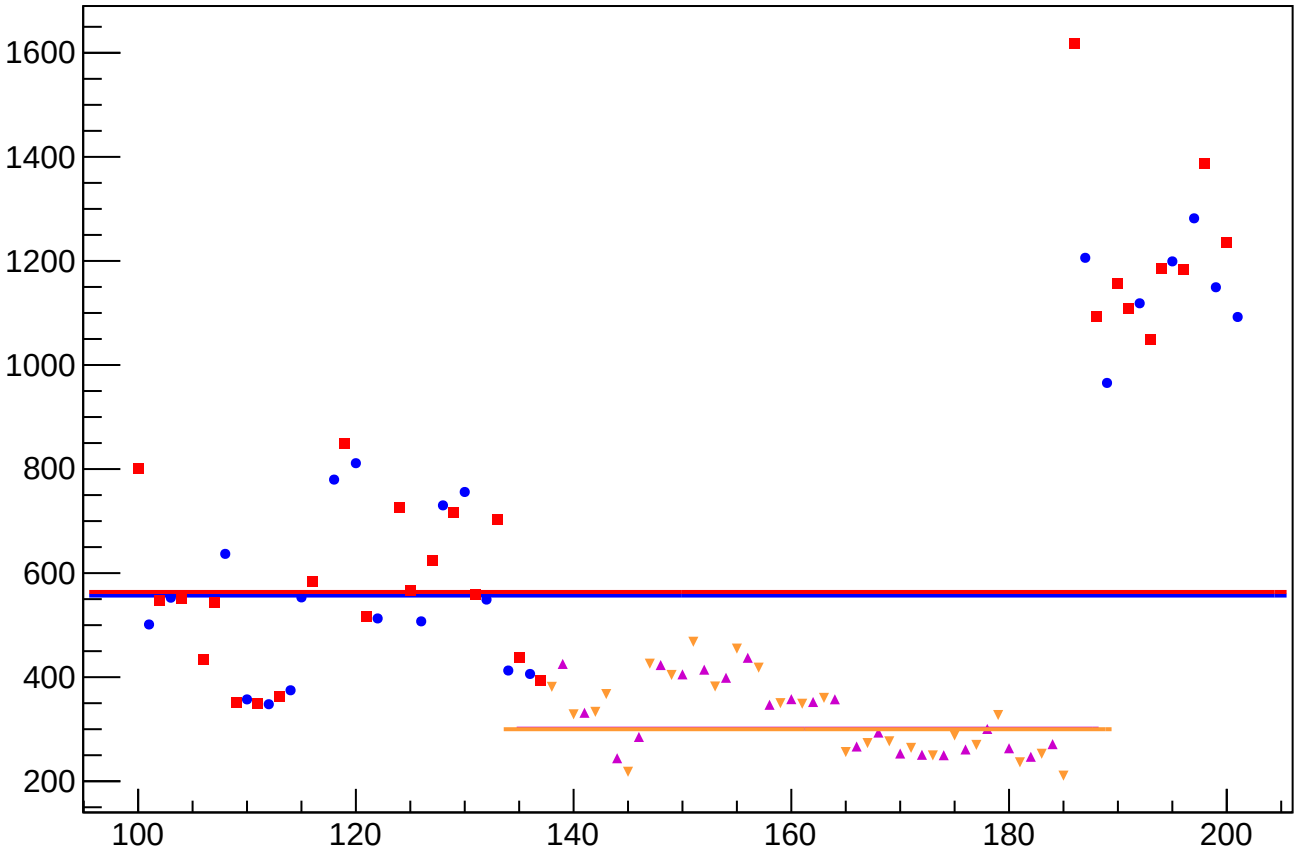
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -64.133+/-121.227 χ^2/NDF: 61.5/50

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 104.720+/-64.751 χ^2/NDF:83.1/52

All: 74.383+/-46.394 χ^2/NDF: 147.9/98



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: 563.791+/-0.120 χ^2/NDF: 4952314.6/27

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

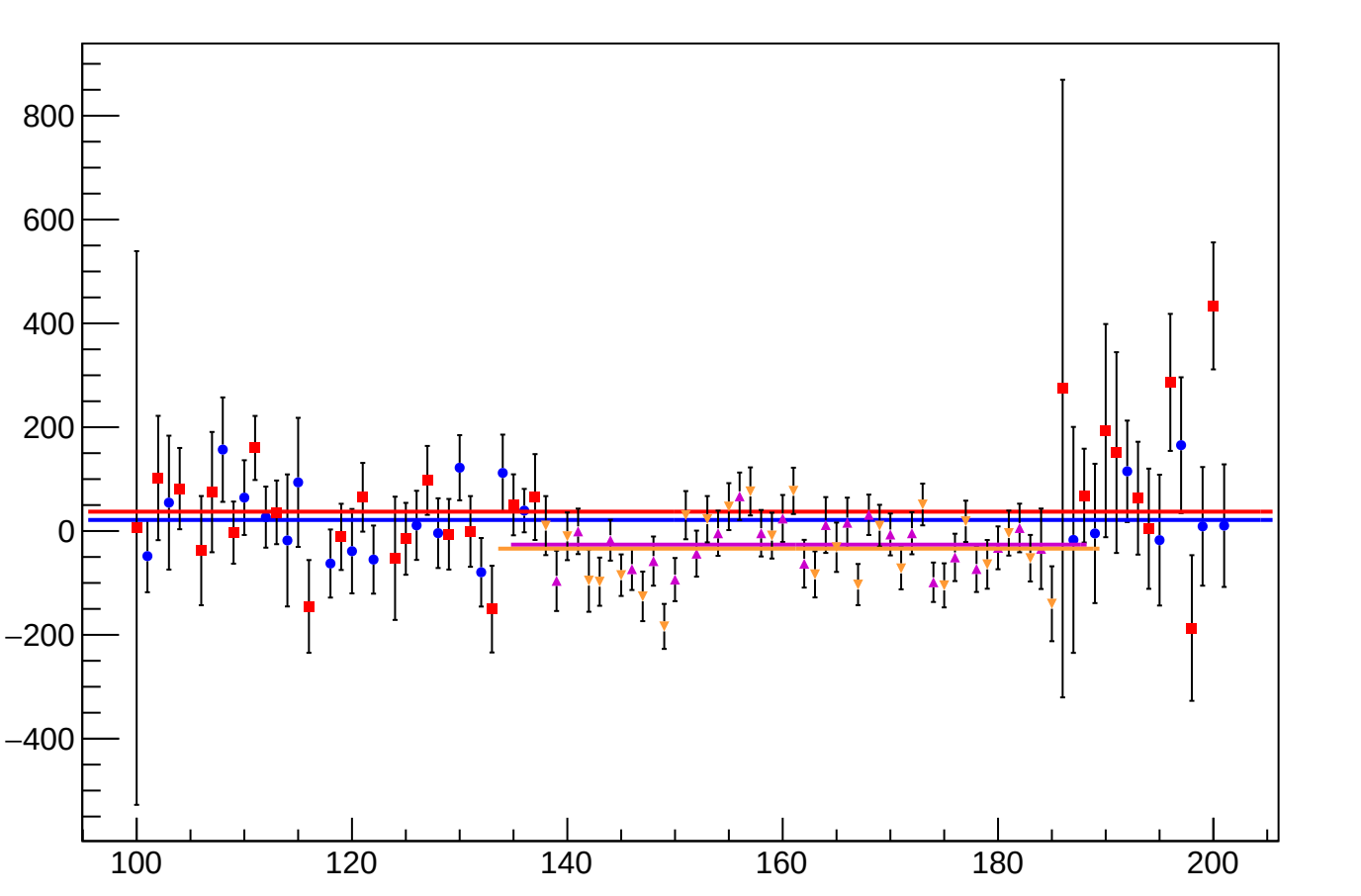
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 560.422+/-0.086 χ^2/NDF: 8935898.3/50

In: 338.432+/-0.047 χ^2/NDF:9086163.5/45

Out: 338.656+/-0.046 χ^2/NDF:10914808.7/52

All: 338.547+/-0.033 χ^2/NDF: 20000983.8/98



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: 37.281+/-16.145 χ^2/NDF: 36.4/27

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

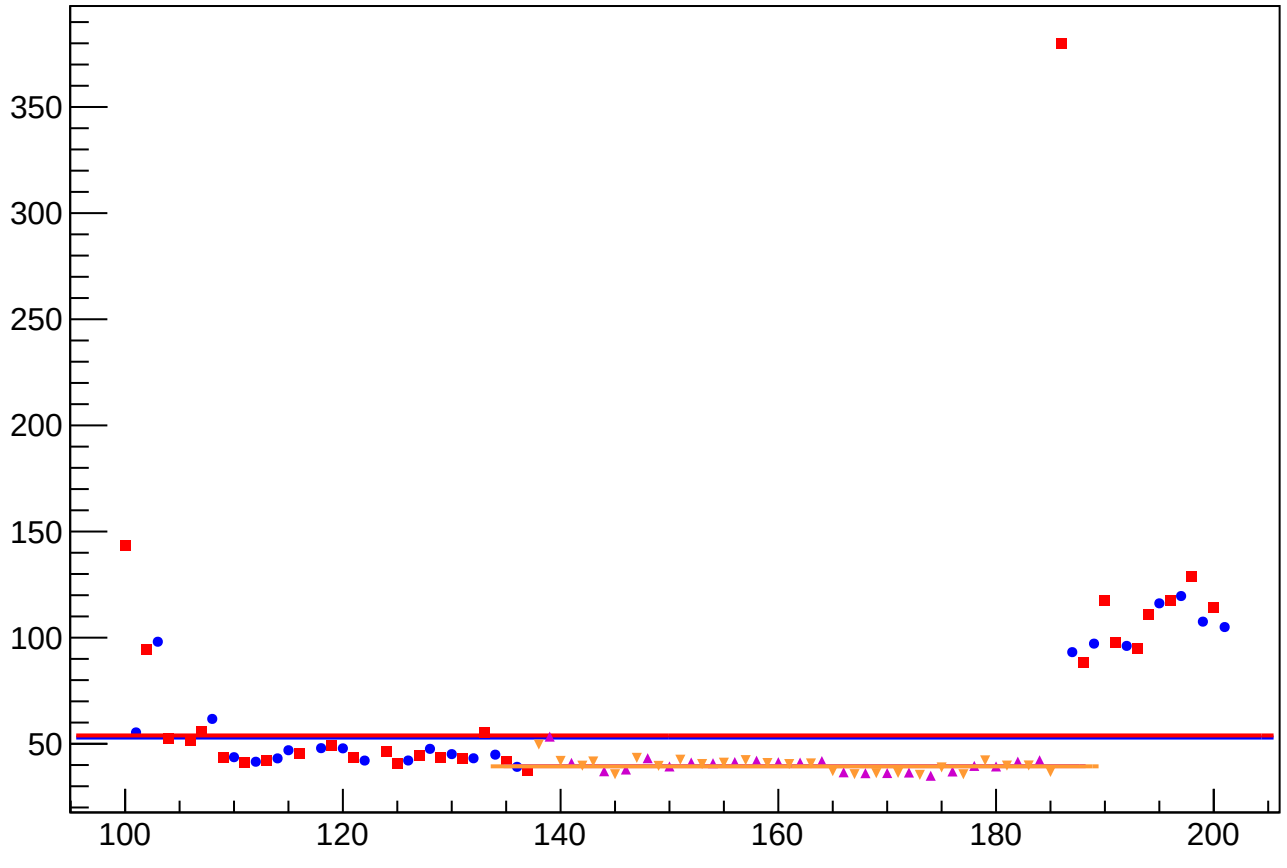
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.410+/-11.498 χ^2/NDF: 53.2/50

In: -14.721+/-8.068 χ^2/NDF:45.2/45

Out: -17.085+/-7.857 χ^2/NDF:110.0/52

All: -15.935+/-5.629 χ^2/NDF: 155.2/98



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: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

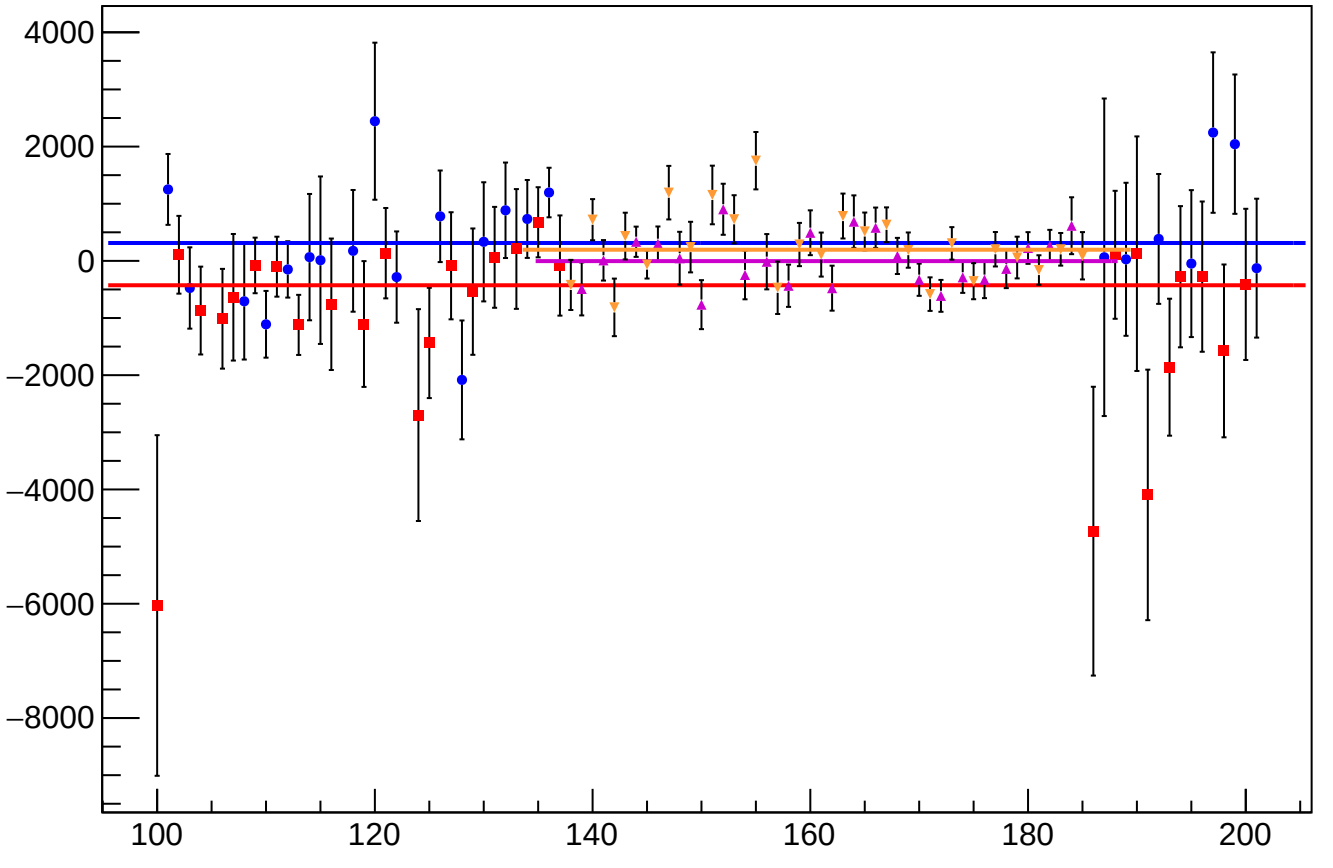
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.443+/-0.008 χ^2/NDF: 7833358.8/50

In: 42.754+/-0.006 χ^2/NDF:4660963.1/45

Out: 42.829+/-0.006 χ^2/NDF:5910261.8/52

All: 42.792+/-0.004 χ^2/NDF: 10571312.1/98



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: -426.603+/-170.102 χ^2/NDF: 23.4/27

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

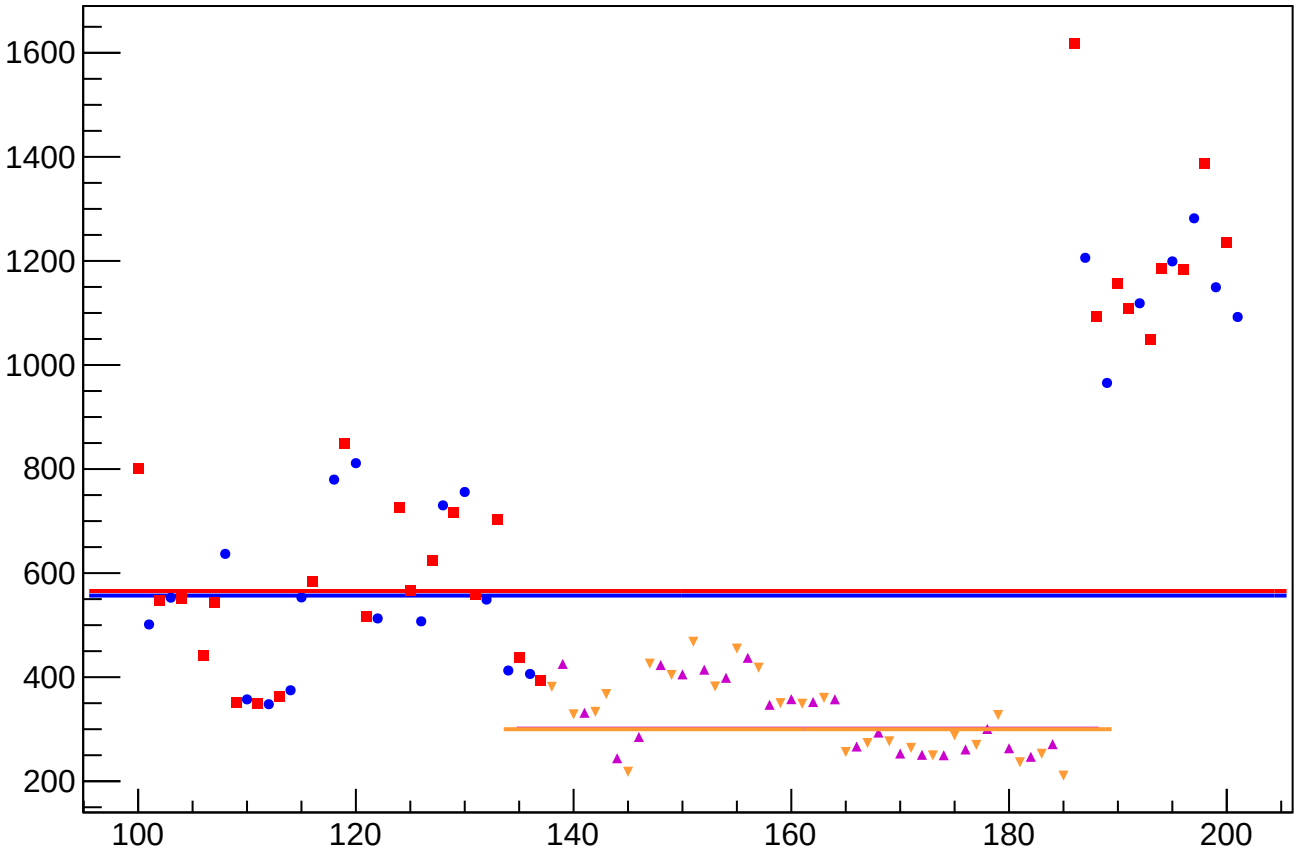
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -64.877+/-121.594 χ^2/NDF: 61.9/50

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 104.799+/-64.806 χ^2/NDF:83.4/52

All: 74.397+/-46.415 χ^2/NDF: 148.3/98



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: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

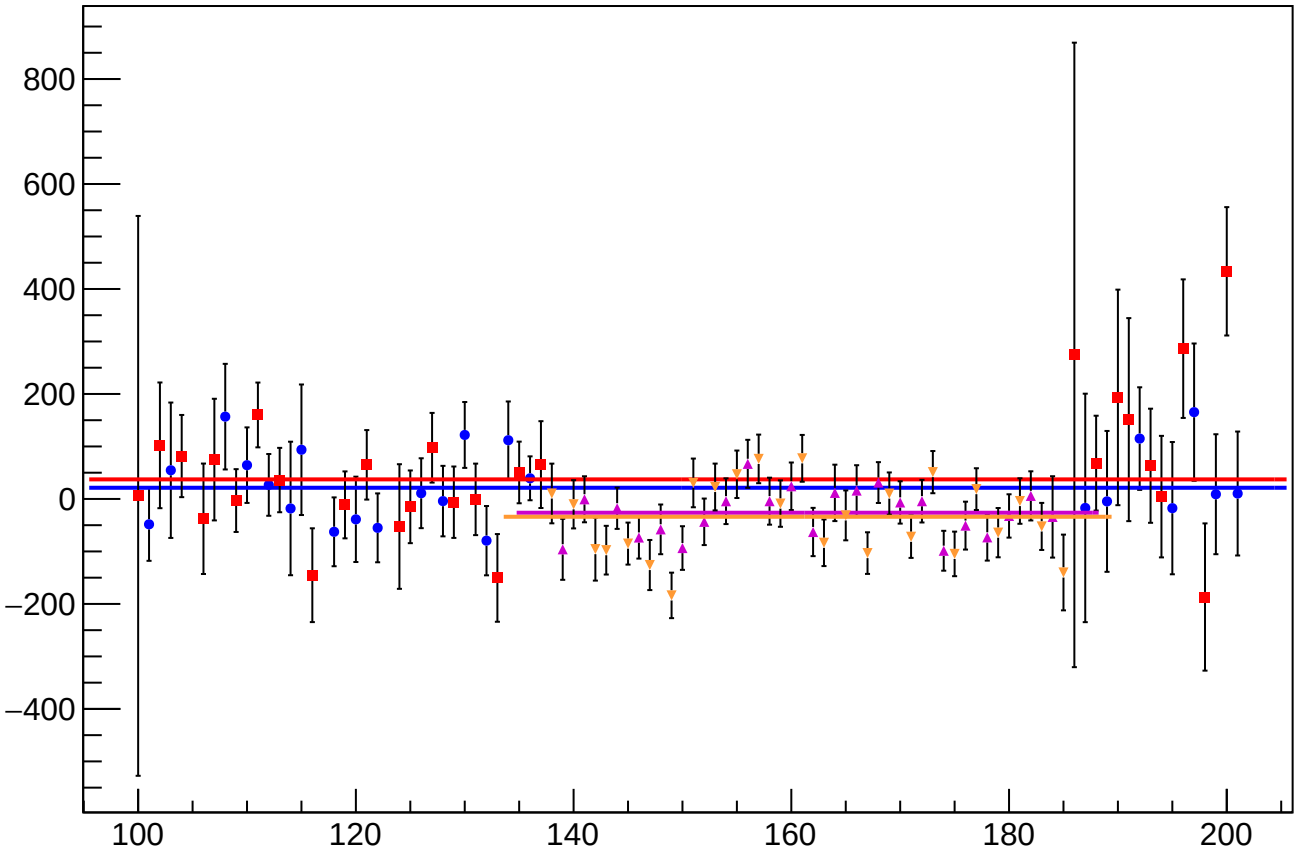
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 561.338+/-0.086 χ^2/NDF: 8918078.3/50

In: 338.432+/-0.047 χ^2/NDF:9086226.1/45

Out: 338.535+/-0.046 χ^2/NDF:10911621.5/52

All: 338.485+/-0.033 χ^2/NDF: 19997850.0/98



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: 37.281+/-16.145 χ^2/NDF: 36.4/27

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

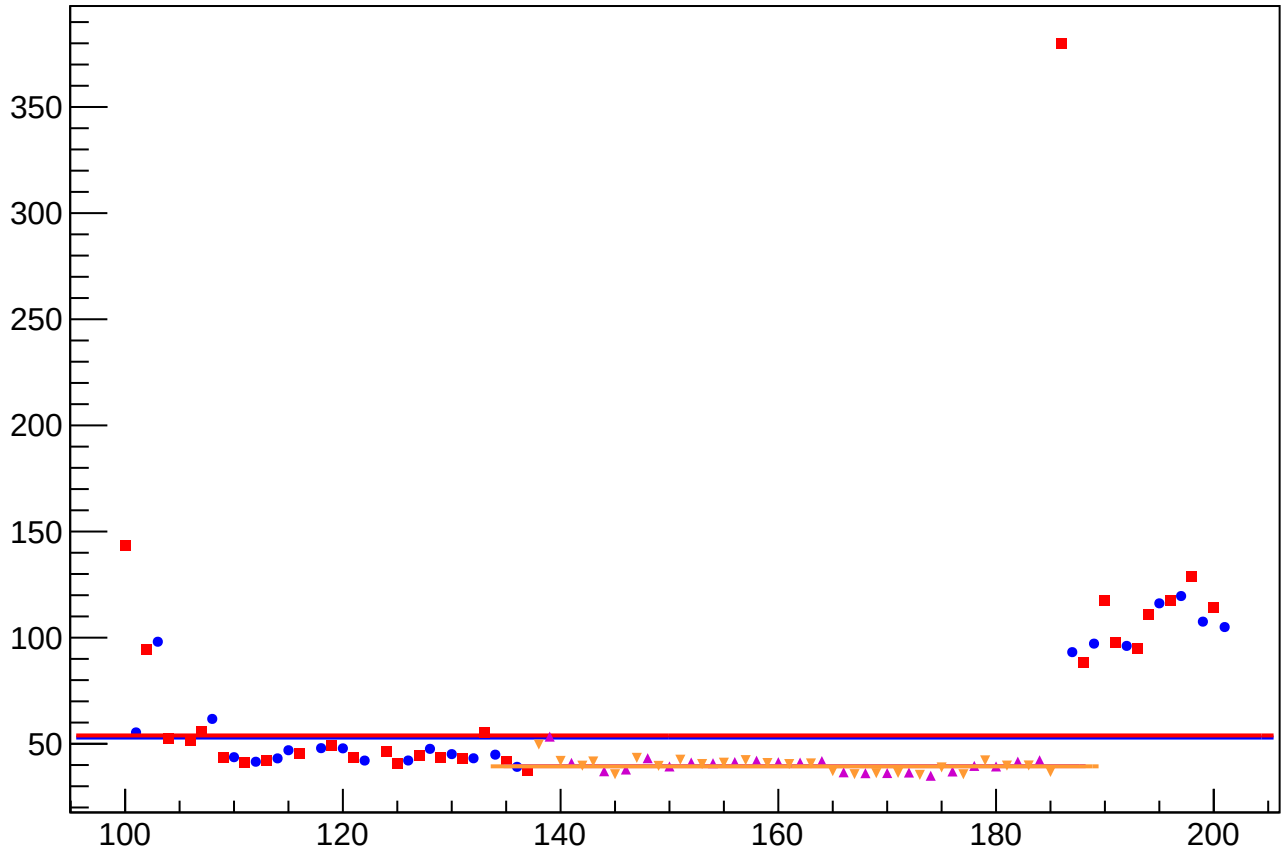
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.410+/-11.498 χ^2/NDF: 53.2/50

In: -14.721+/-8.068 χ^2/NDF:45.2/45

Out: -17.085+/-7.857 χ^2/NDF:110.0/52

All: -15.935+/-5.629 χ^2/NDF: 155.2/98



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: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

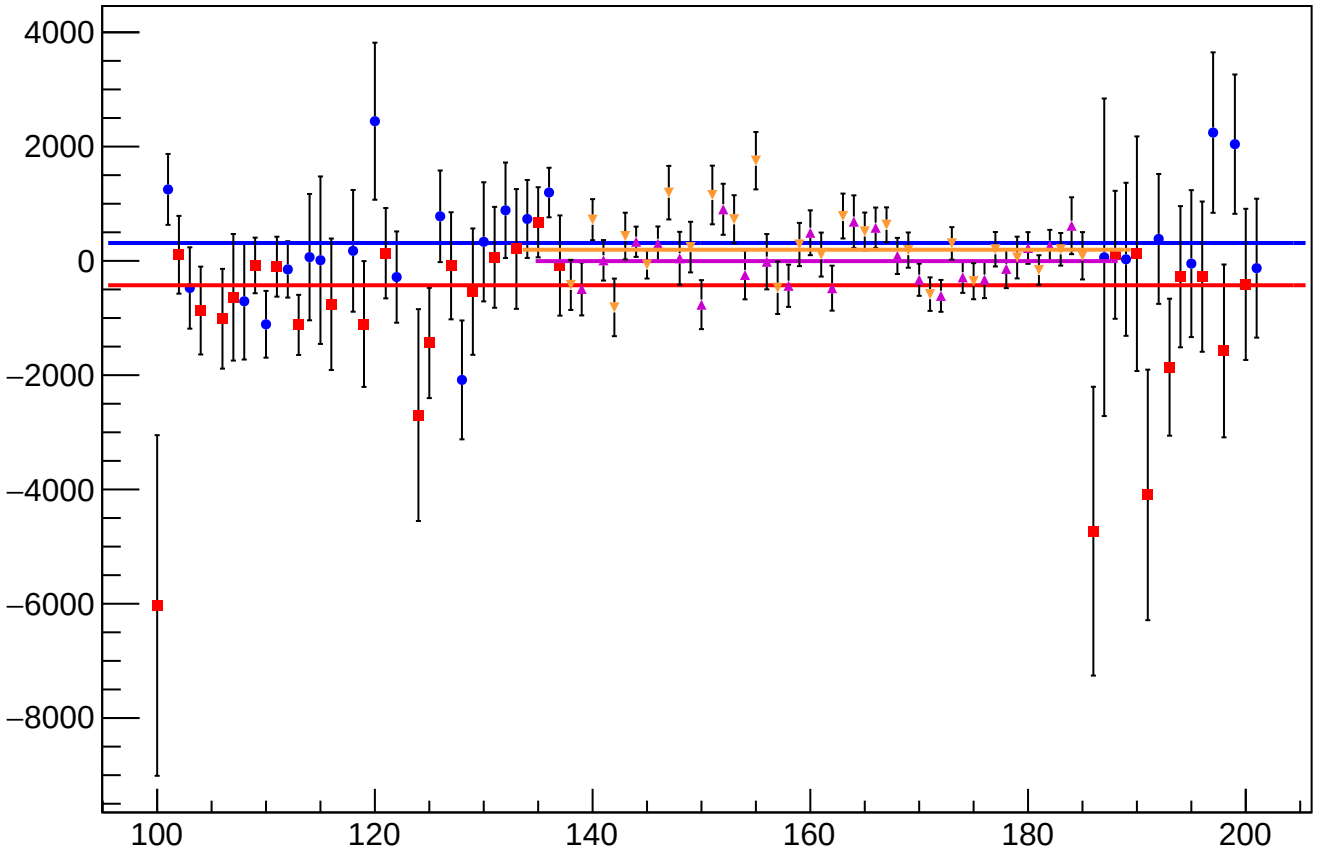
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 53.443+/-0.008 χ^2/NDF: 7833358.8/50

In: 42.754+/-0.006 χ^2/NDF:4660963.1/45

Out: 42.829+/-0.006 χ^2/NDF:5910261.8/52

All: 42.792+/-0.004 χ^2/NDF: 10571312.1/98



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: -426.603+/-170.102 χ^2/NDF: 23.4/27

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

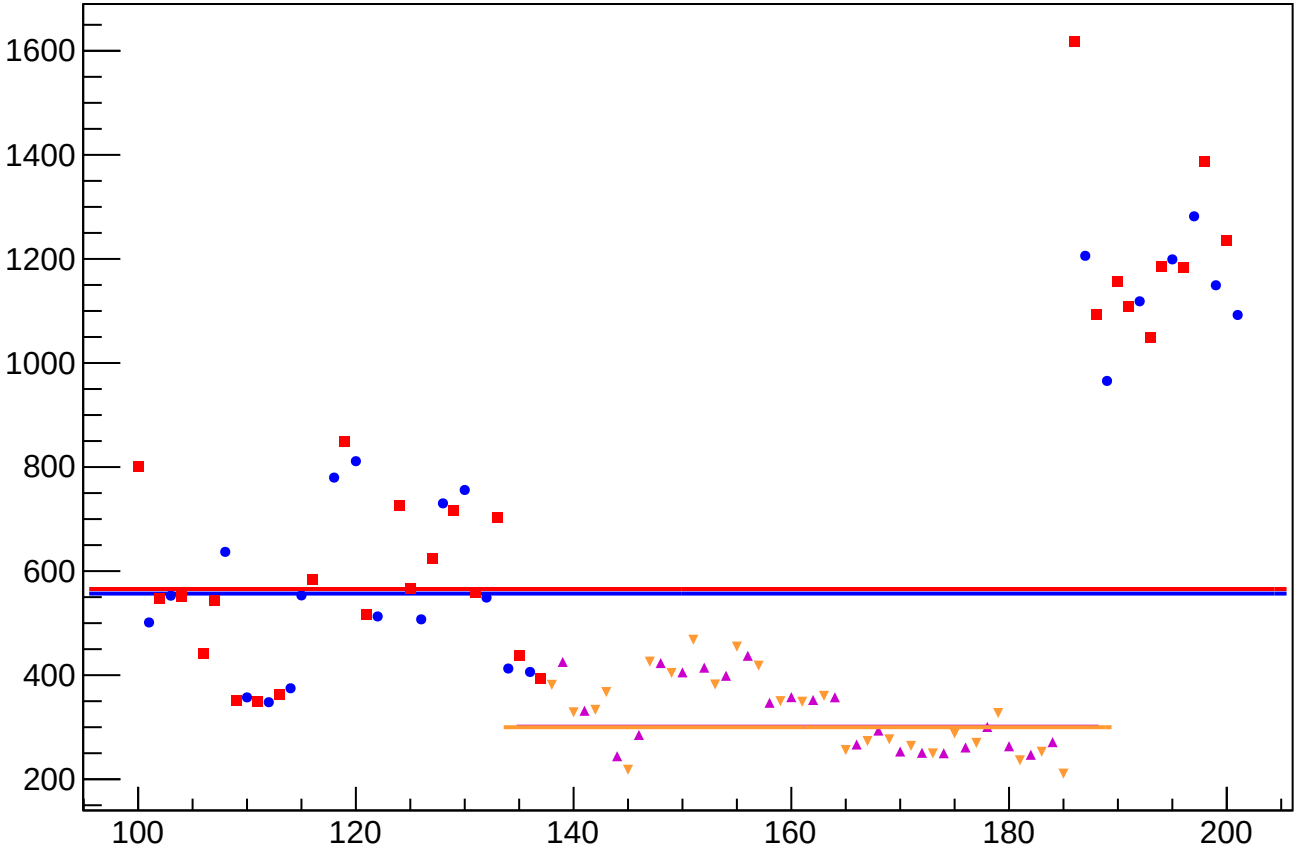
Right: -64.877+/-121.594 χ^2/NDF: 61.9/50

In: 42.378+/-66.507 χ^2/NDF:64.4/45

Out: 104.799+/-64.806 χ^2/NDF:83.4/52

All: 74.397+/-46.415 χ^2/NDF: 148.3/98

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: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

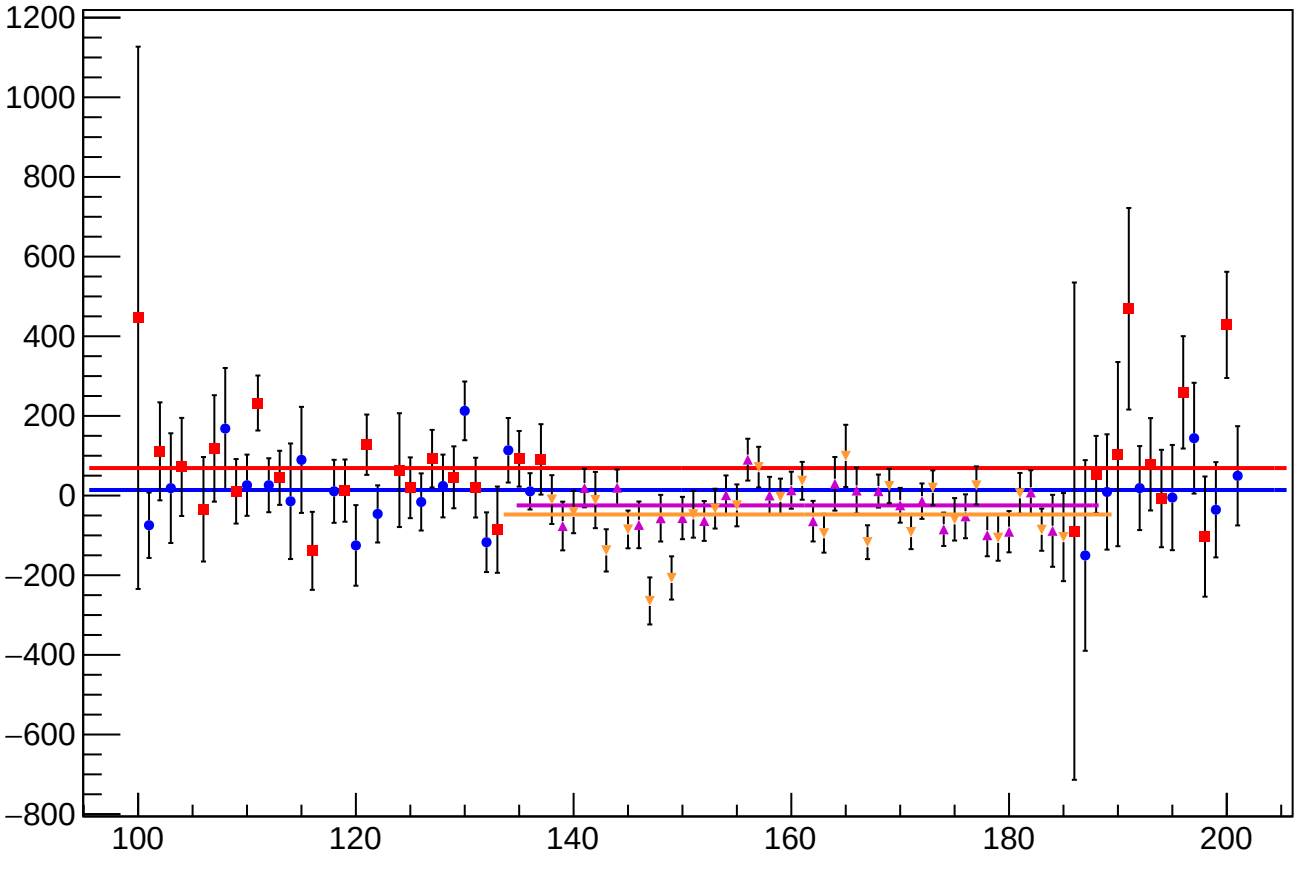
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 561.338+/-0.086 χ^2/NDF: 8918078.3/50

In: 338.432+/-0.047 χ^2/NDF:9086226.1/45

Out: 338.535+/-0.046 χ^2/NDF:10911621.5/52

All: 338.485+/-0.033 χ^2/NDF: 19997850.0/98



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: 69.056+/-18.641 χ^2/NDF: 29.7/27

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

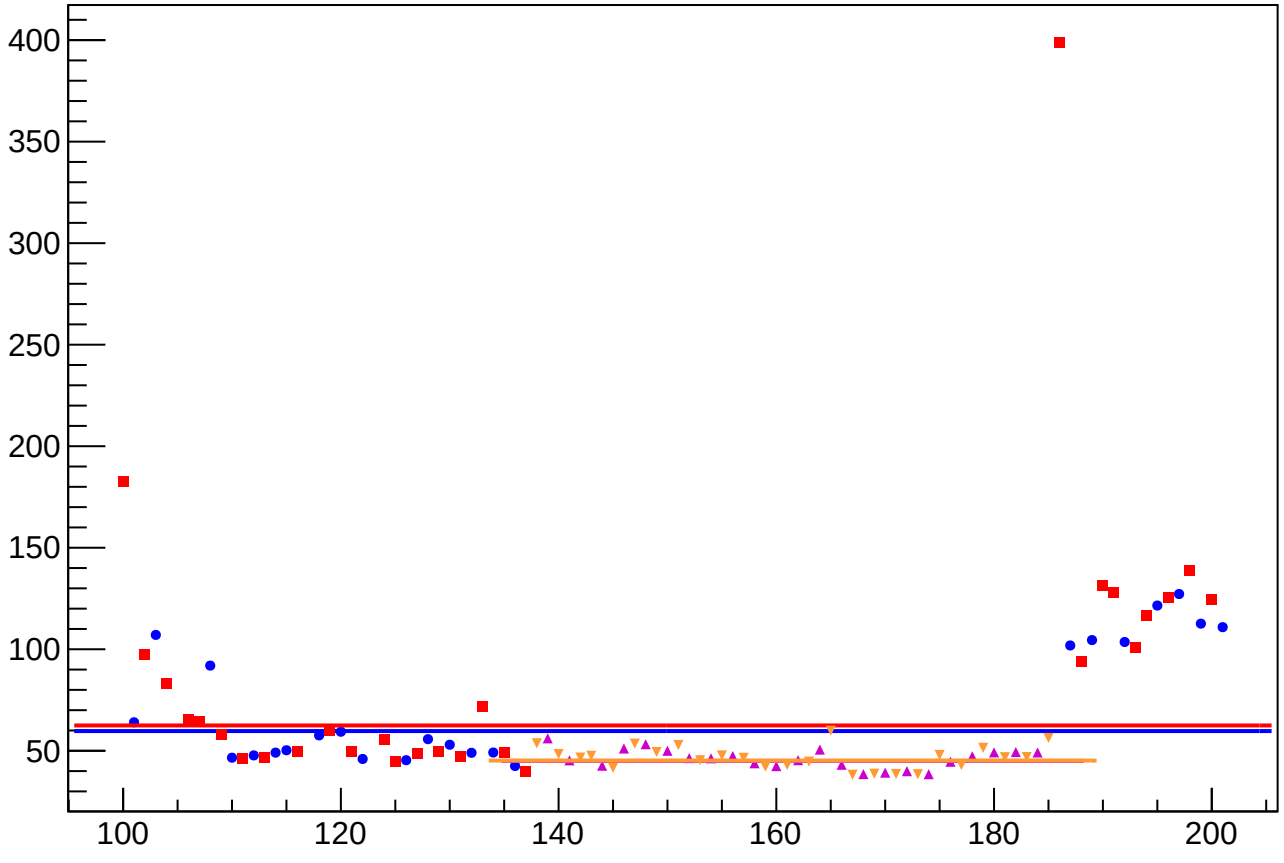
Right: 41.237+/-13.114 χ^2/NDF: 53.0/50

In: -15.014+/-9.230 χ^2/NDF:41.8/45

Out: -19.848+/-9.077 χ^2/NDF:114.2/52

All: -17.472+/-6.472 χ^2/NDF: 156.2/98

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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: 62.475+/-0.013 χ^2/NDF: 4208663.2/27

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

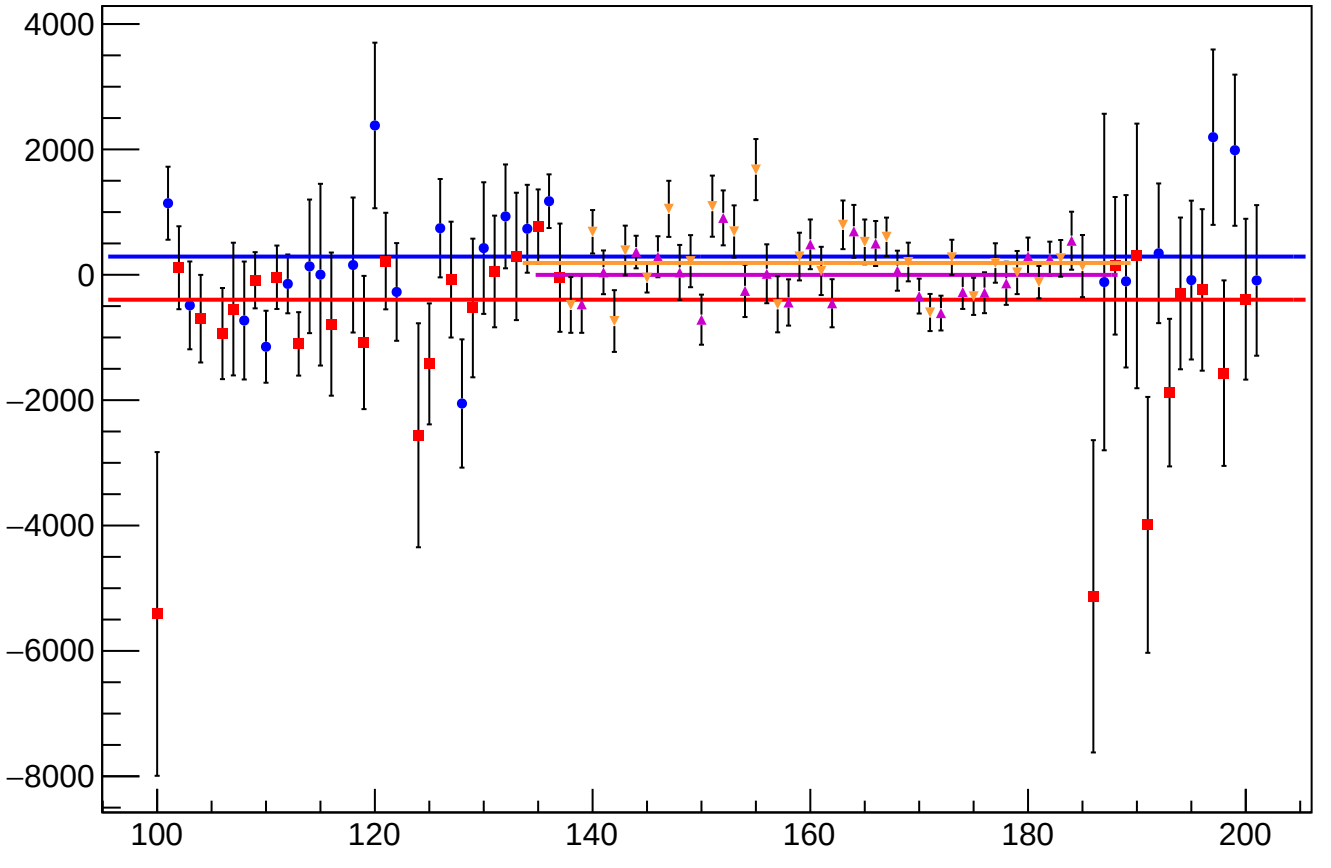
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 61.081+/-0.009 χ^2/NDF: 7476589.8/50

In: 48.695+/-0.007 χ^2/NDF:4569785.9/45

Out: 49.277+/-0.006 χ^2/NDF:6012677.5/52

All: 48.991+/-0.005 χ^2/NDF: 10586508.5/98



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: -397.682+/-162.872 χ^2/NDF: 25.9/27

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

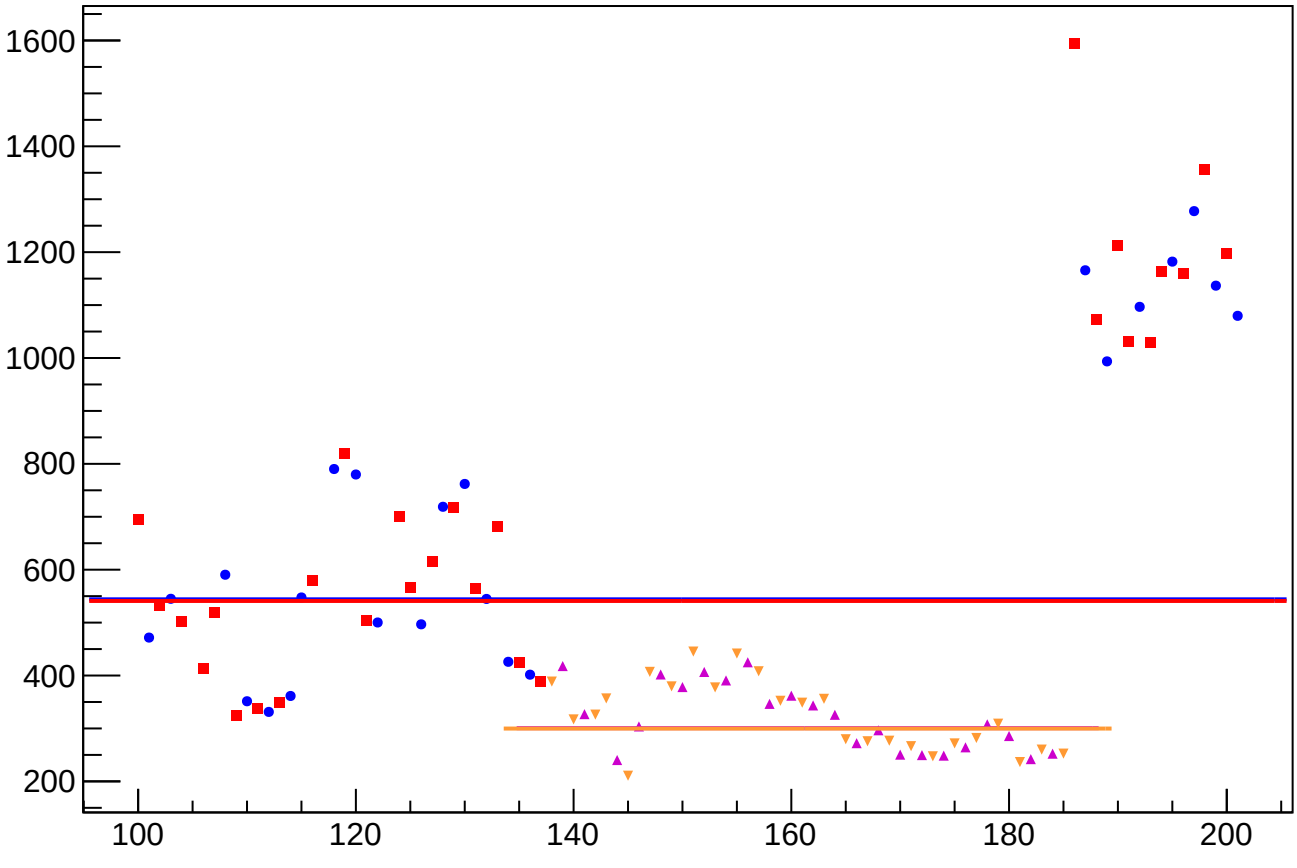
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -68.639+/-117.645 χ^2/NDF: 64.3/50

In: 42.401+/-66.081 χ^2/NDF:64.5/45

Out: 98.000+/-64.090 χ^2/NDF:83.7/52

All: 71.051+/-46.006 χ^2/NDF: 148.5/98



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: 540.930+/-0.115 χ^2/NDF: 5167393.6/27

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

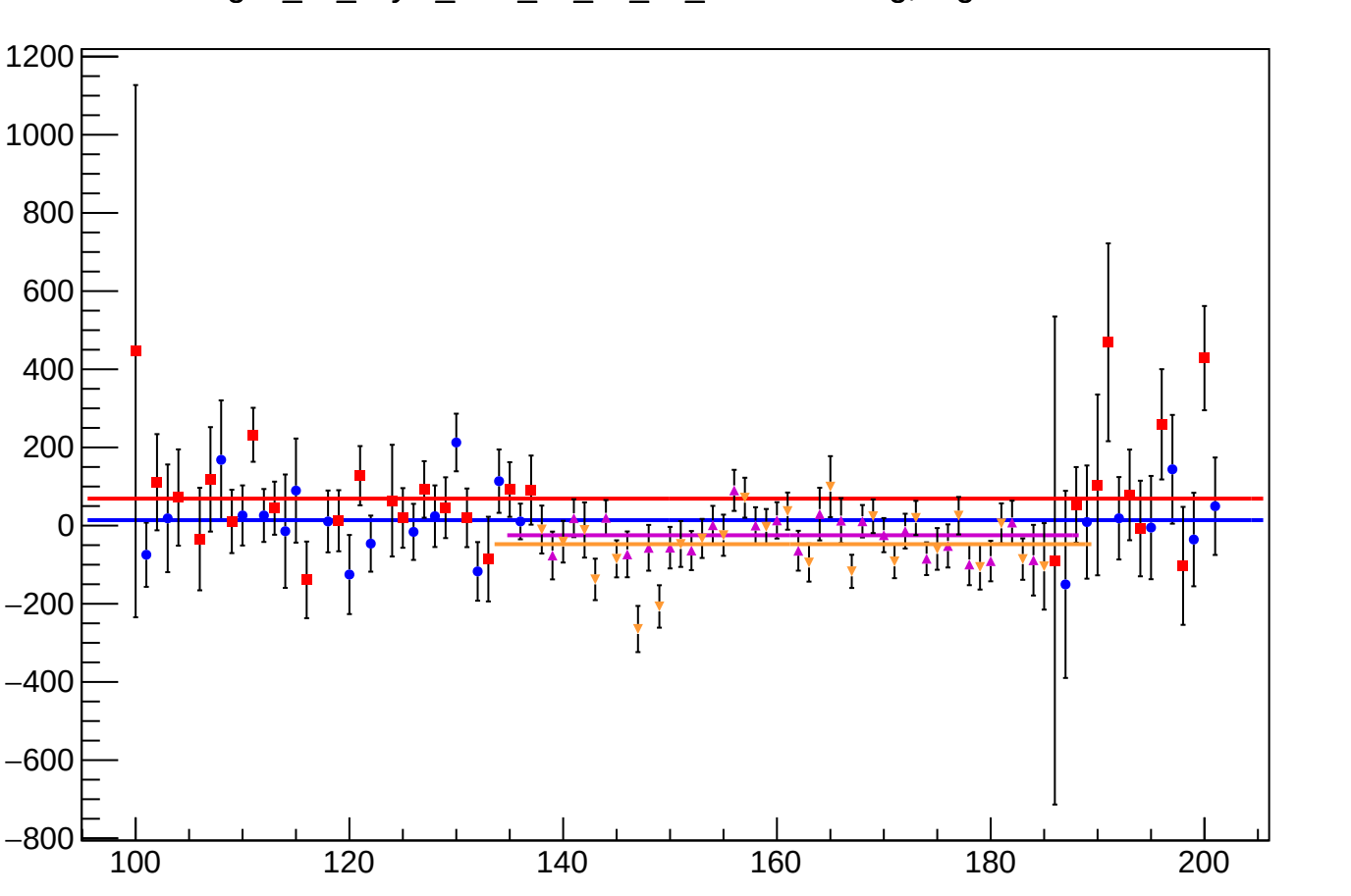
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 542.394+/-0.083 χ^2/NDF: 9254951.5/50

In: 337.279+/-0.047 χ^2/NDF:8824427.5/45

Out: 337.135+/-0.045 χ^2/NDF:10449785.4/52

All: 337.205+/-0.033 χ^2/NDF: 19274217.8/98



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: 69.056+/-18.641 χ^2/NDF: 29.7/27

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

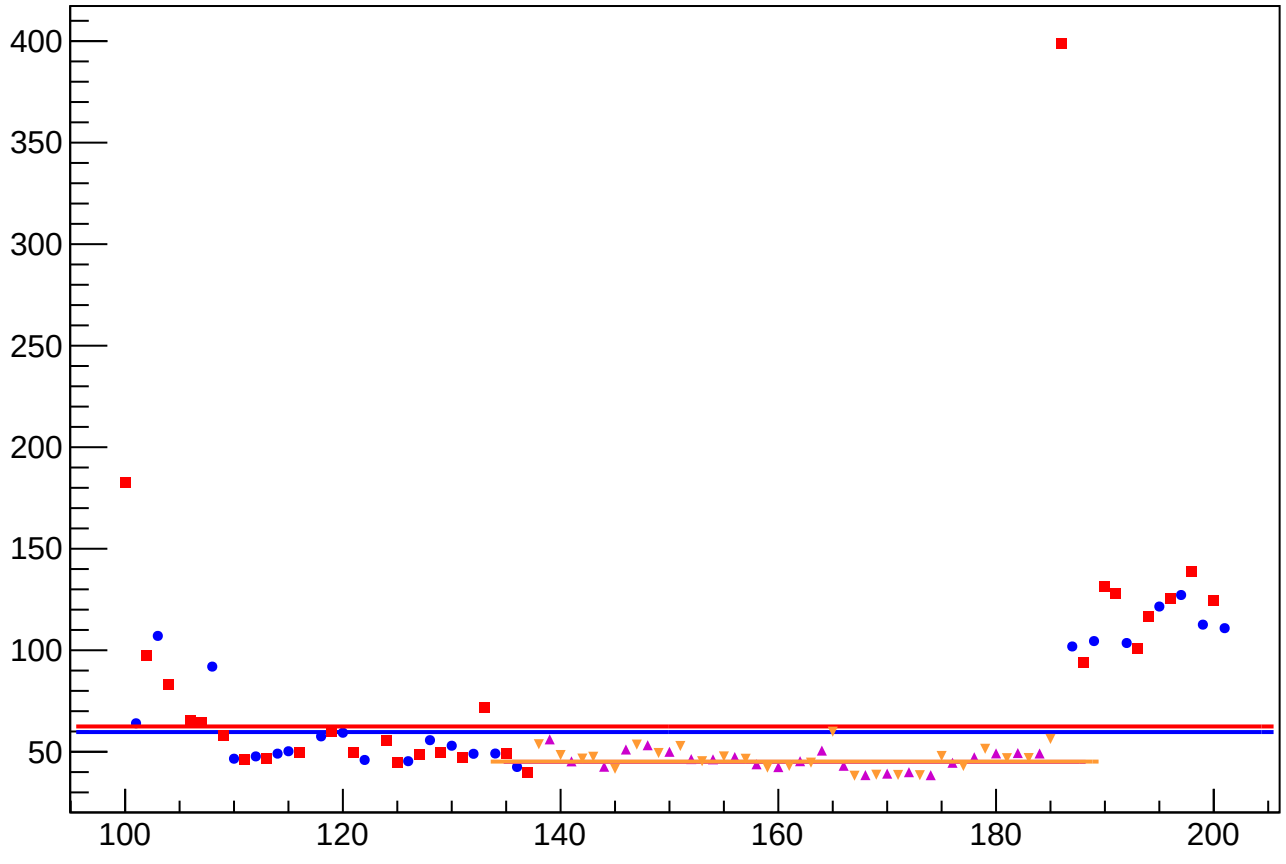
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.238+/-13.114 χ^2/NDF: 53.0/50

In: -15.015+/-9.230 χ^2/NDF:41.8/45

Out: -19.848+/-9.077 χ^2/NDF:114.2/52

All: -17.472+/-6.472 χ^2/NDF: 156.2/98



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: 62.475+/-0.013 χ^2/NDF: 4208667.0/27

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

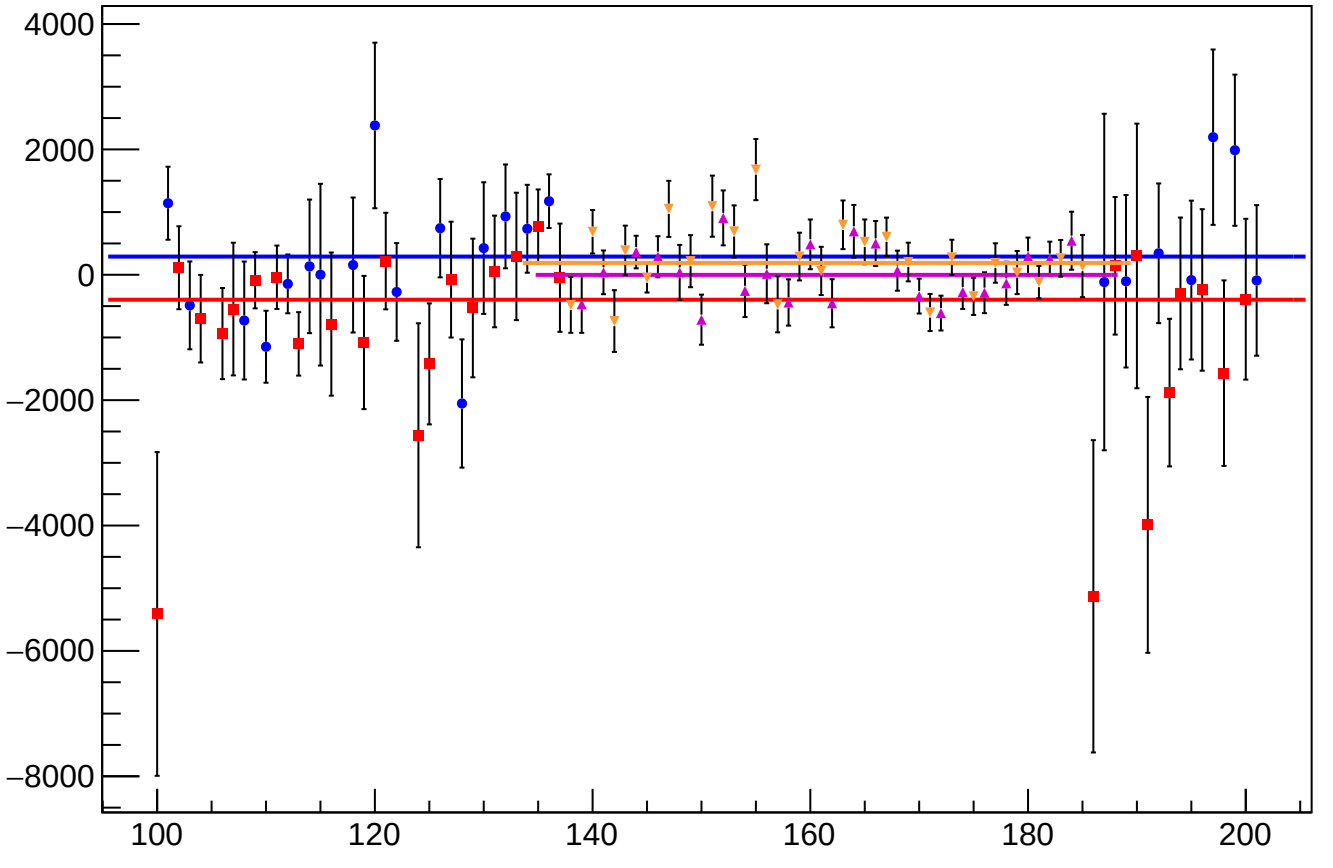
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 61.081+/-0.009 χ^2/NDF: 7476600.6/50

In: 48.695+/-0.007 χ^2/NDF:4569790.8/45

Out: 49.277+/-0.006 χ^2/NDF:6012689.3/52

All: 48.991+/-0.005 χ^2/NDF: 10586524.9/98



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: -397.681+/-162.872 χ^2/NDF: 25.9/27

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

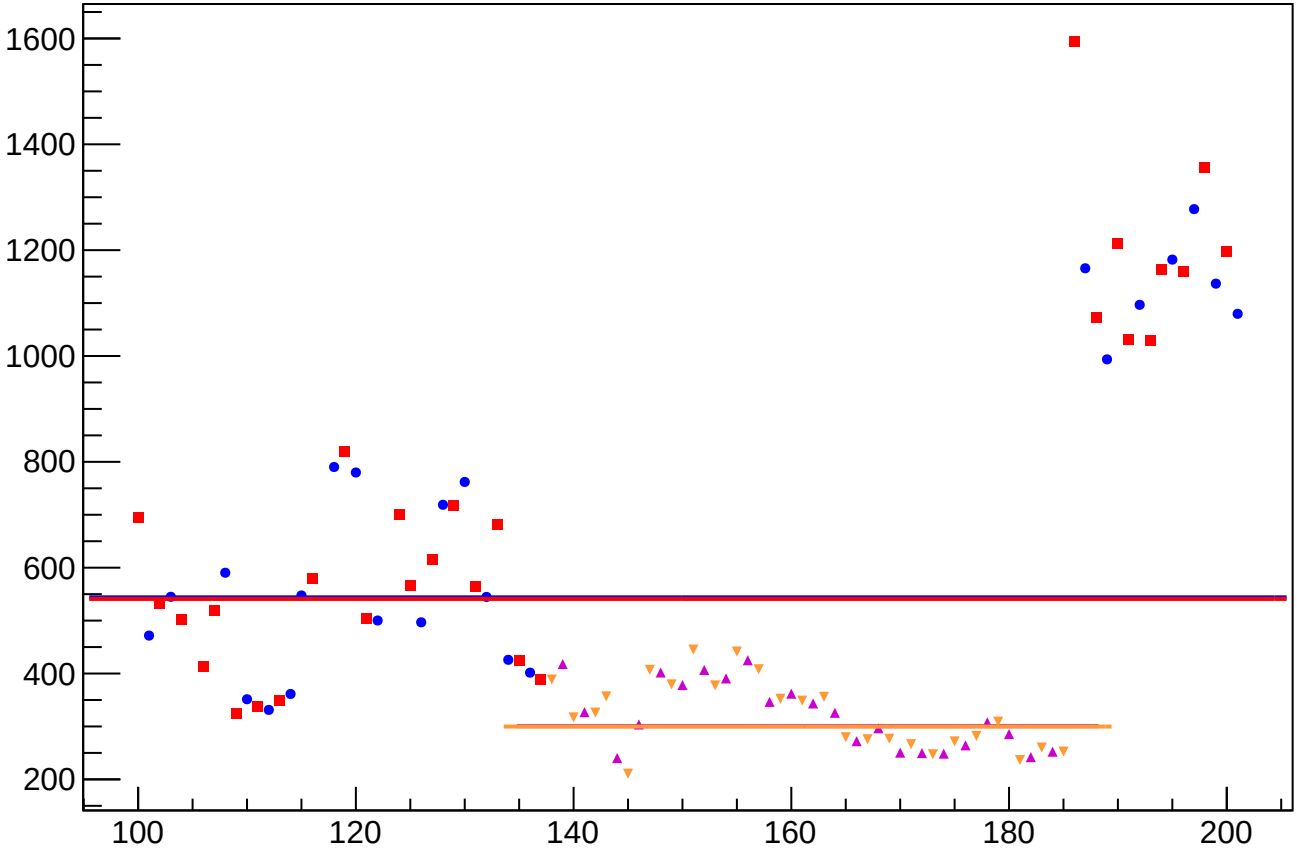
Right: -68.640+/-117.645 χ^2/NDF: 64.3/50

In: 42.402+/-66.081 χ^2/NDF:64.5/45

Out: 98.000+/-64.090 χ^2/NDF:83.7/52

All: 71.051+/-46.006 χ^2/NDF: 148.5/98

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: 540.929+/-0.115 χ^2/NDF: 5167397.8/27

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

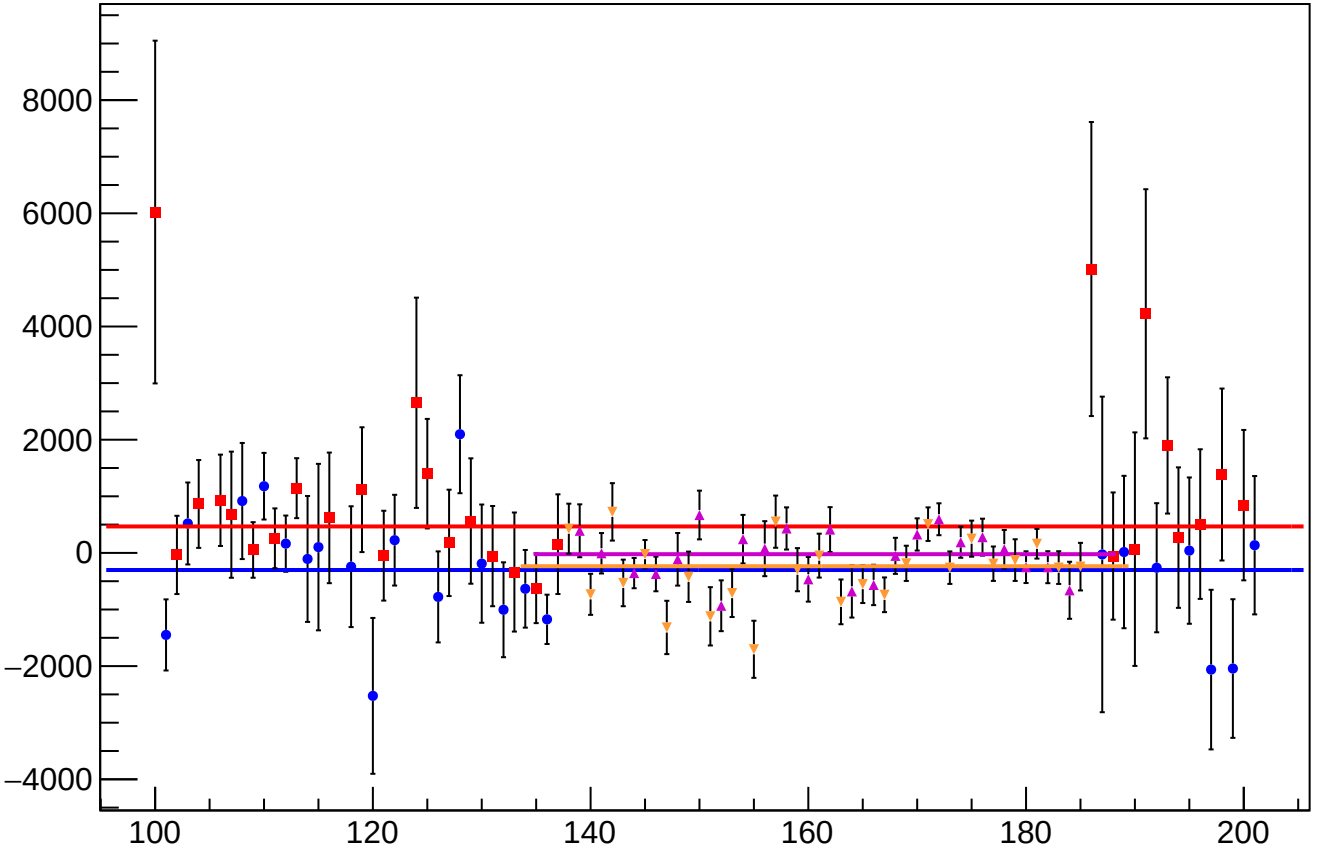
Right: 542.393+/-0.083 χ^2/NDF: 9254963.7/50

In: 337.279+/-0.047 χ^2/NDF:8824399.6/45

Out: 337.135+/-0.045 χ^2/NDF:10449765.1/52

All: 337.205+/-0.033 χ^2/NDF: 19274169.6/98

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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: 467.472+/-170.590 χ^2/NDF: 22.5/27

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

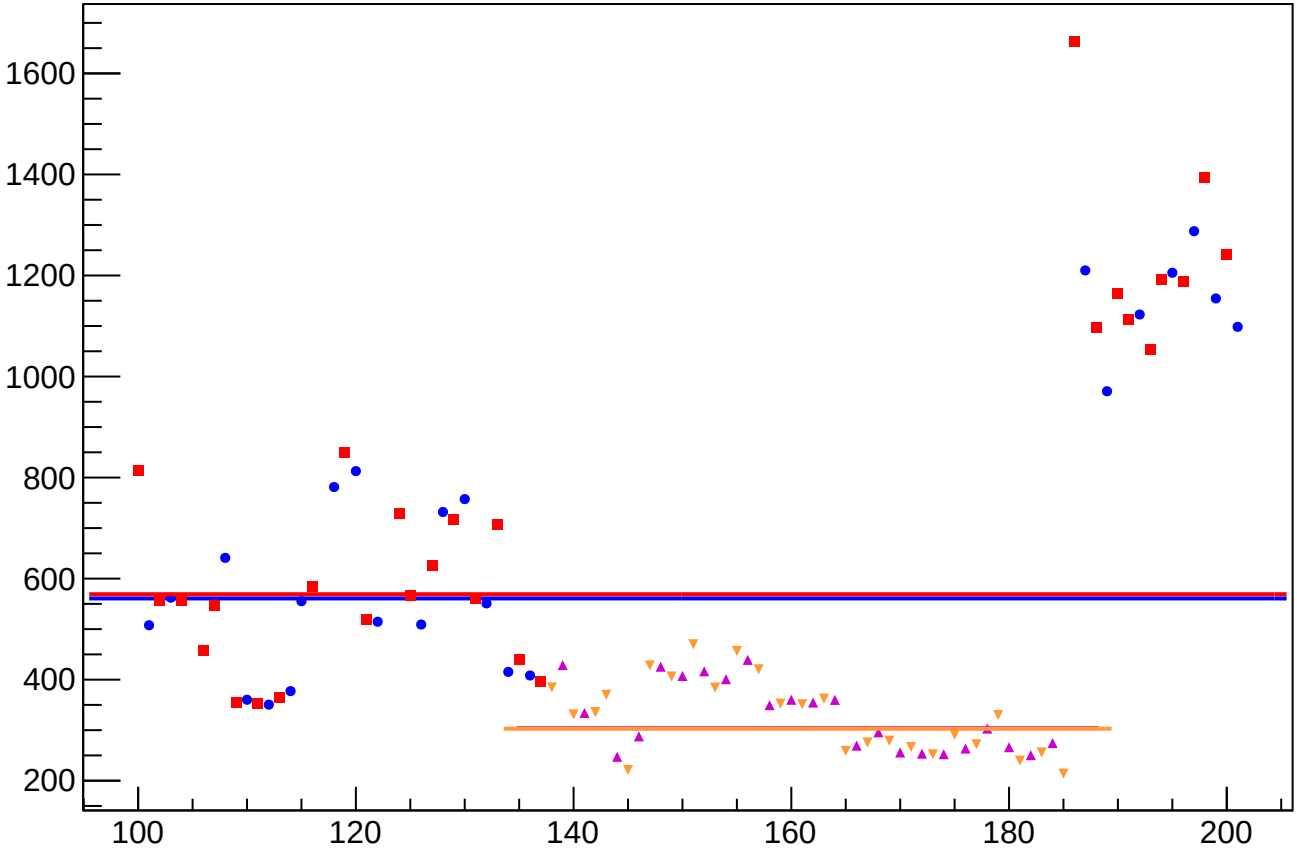
Right: 92.507+/-122.158 χ^2/NDF: 63.3/50

In: -63.737+/-67.092 χ^2/NDF:62.9/45

Out: -132.069+/-65.345 χ^2/NDF:84.5/52

All: -98.804+/-46.812 χ^2/NDF: 147.9/98

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: 569.141+/-0.121 χ^2/NDF: 4917799.5/27

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

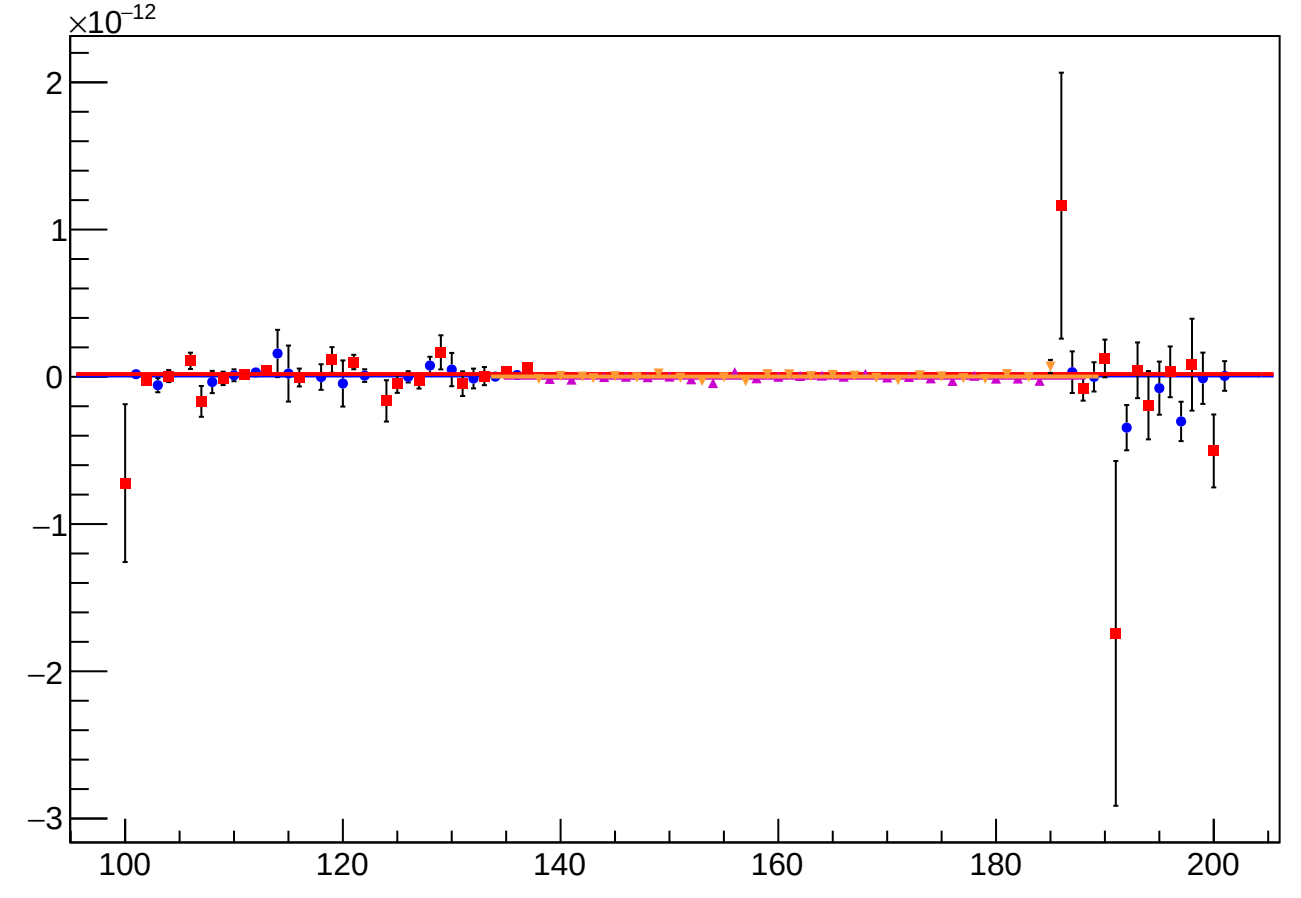
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 565.037+/-0.086 χ^2/NDF: 8884822.2/50

In: 341.663+/-0.047 χ^2/NDF:9014081.2/45

Out: 342.003+/-0.046 χ^2/NDF:10839302.7/52

All: 341.838+/-0.033 χ^2/NDF: 19853410.3/98



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: 35.0/27

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

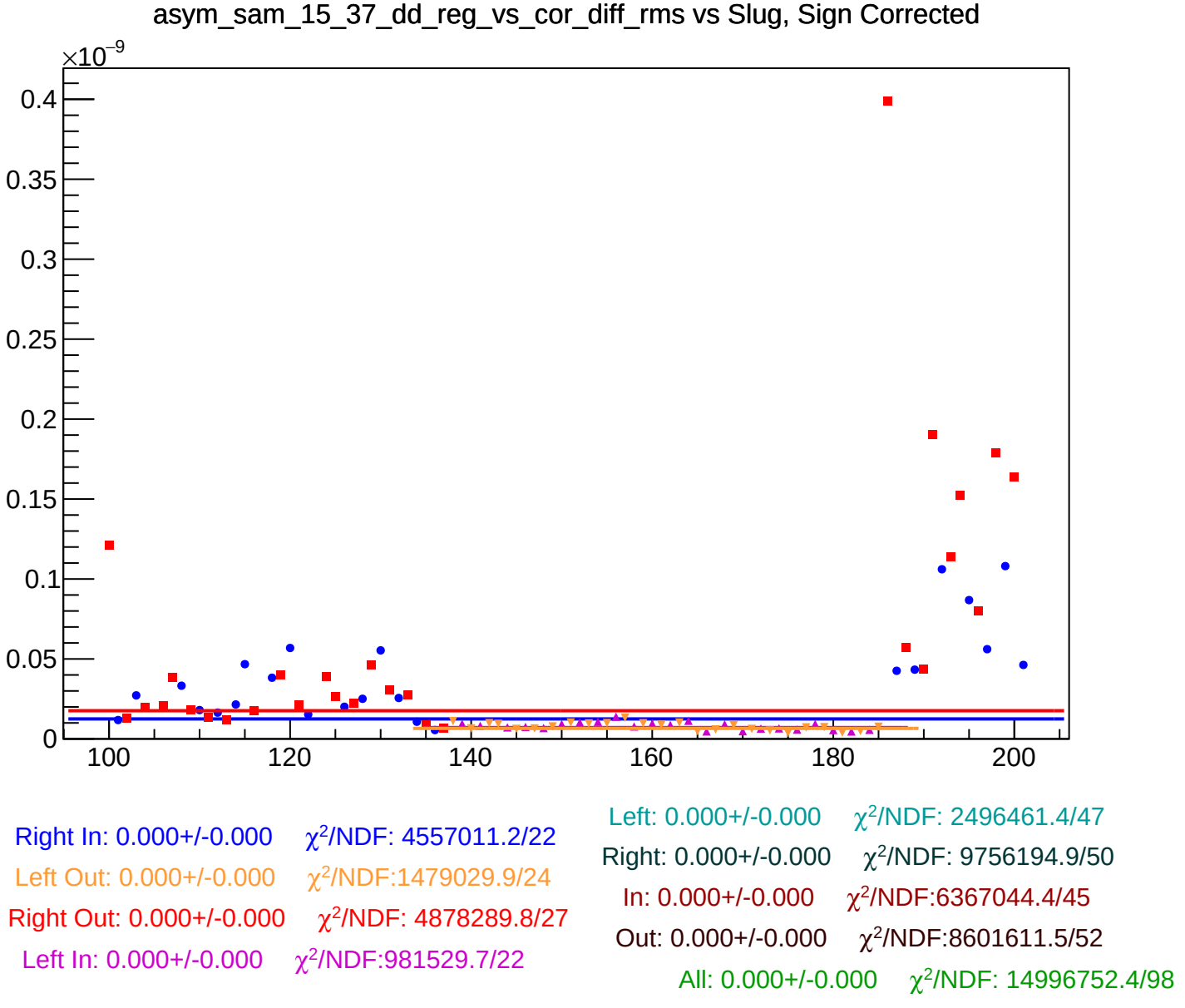
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 52.1/50

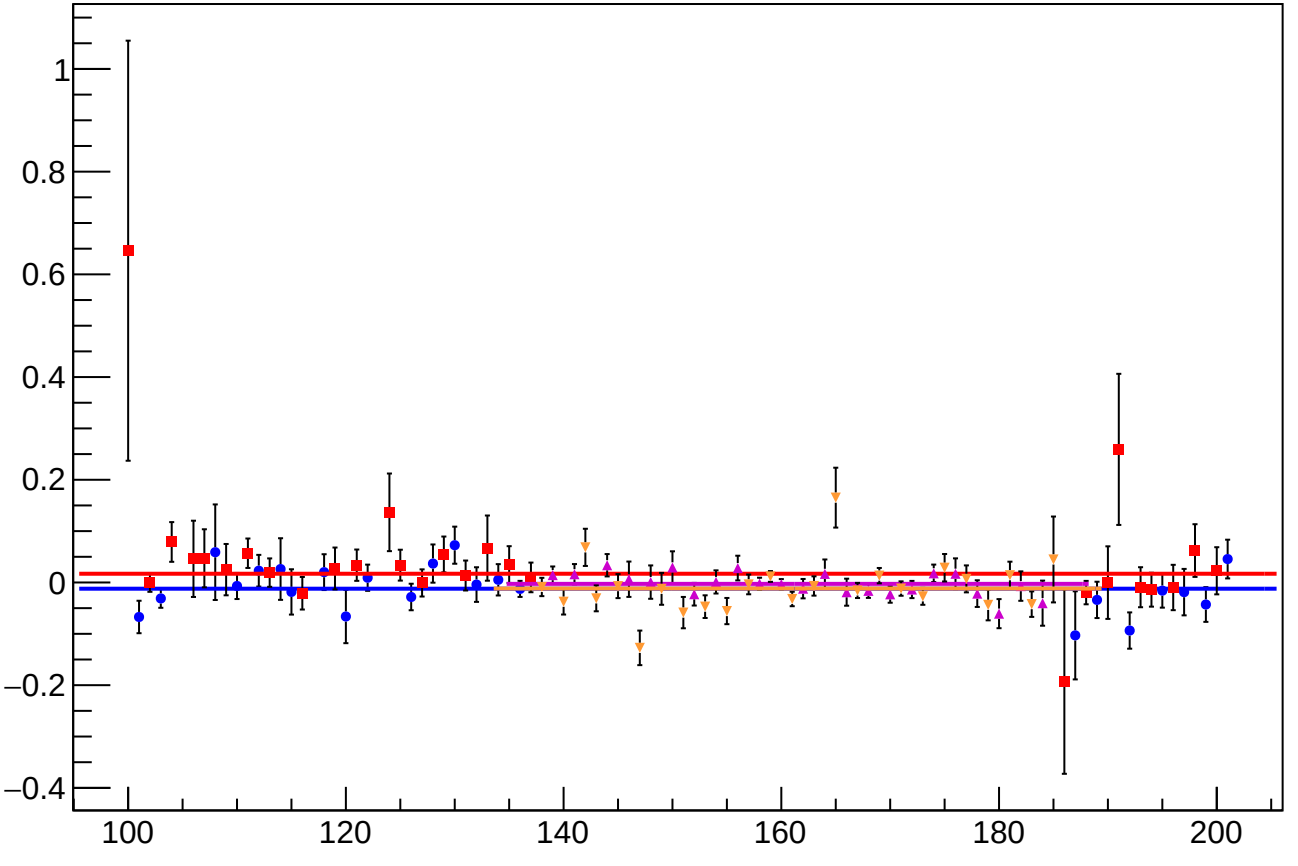
In: -0.000+/-0.000 χ^2/NDF:38.0/45

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: -0.000+/-0.000 χ^2/NDF: 102.4/98


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4557011.2/22
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4878289.8/27
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 9756194.9/50
In: 0.000+/-0.000 χ²/NDF:6367044.4/45
Out: 0.000+/-0.000 χ²/NDF:8601611.5/52
All: 0.000+/-0.000 χ²/NDF: 14996752.4/98

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: 0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

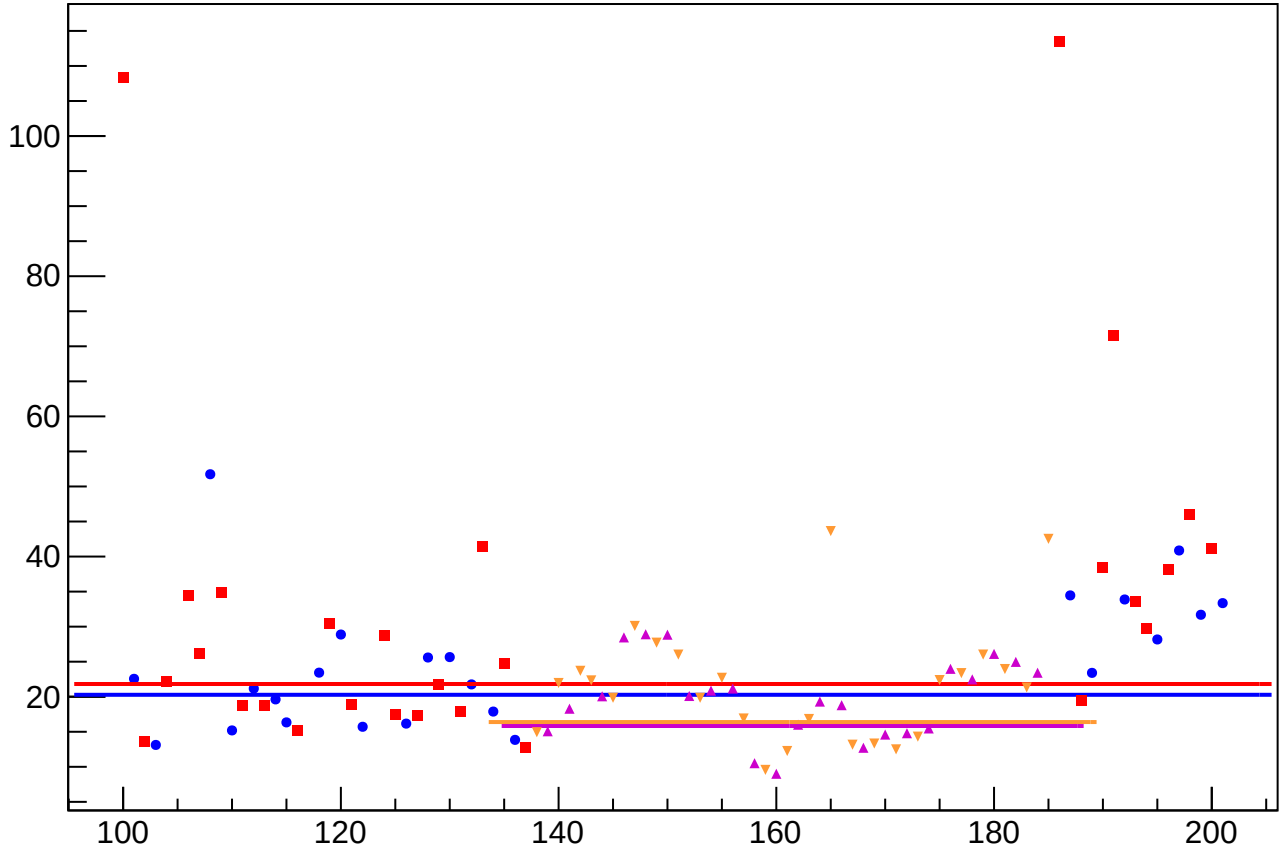
Right: 0.002+/-0.005 χ^2/NDF: 61.4/50

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 139.8/98

asym_sam_15_37_dd_dit_vs_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: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

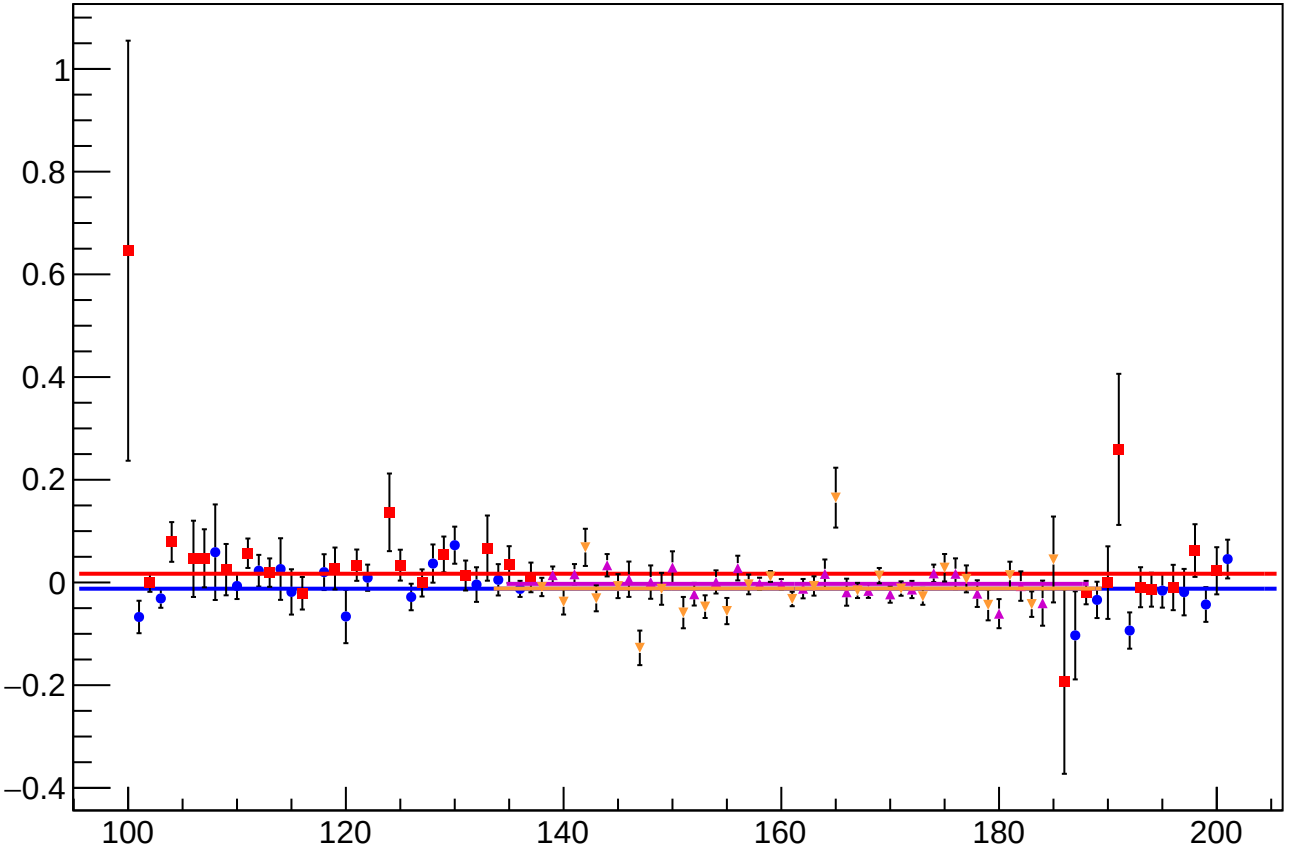
Right: 21.009+/-0.003 χ^2/NDF: 6441246.7/50

In: 17.077+/-0.002 χ^2/NDF:6973237.3/45

Out: 17.827+/-0.002 χ^2/NDF:8727292.5/52

All: 17.445+/-0.002 χ^2/NDF: 15747636.6/98

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: 0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

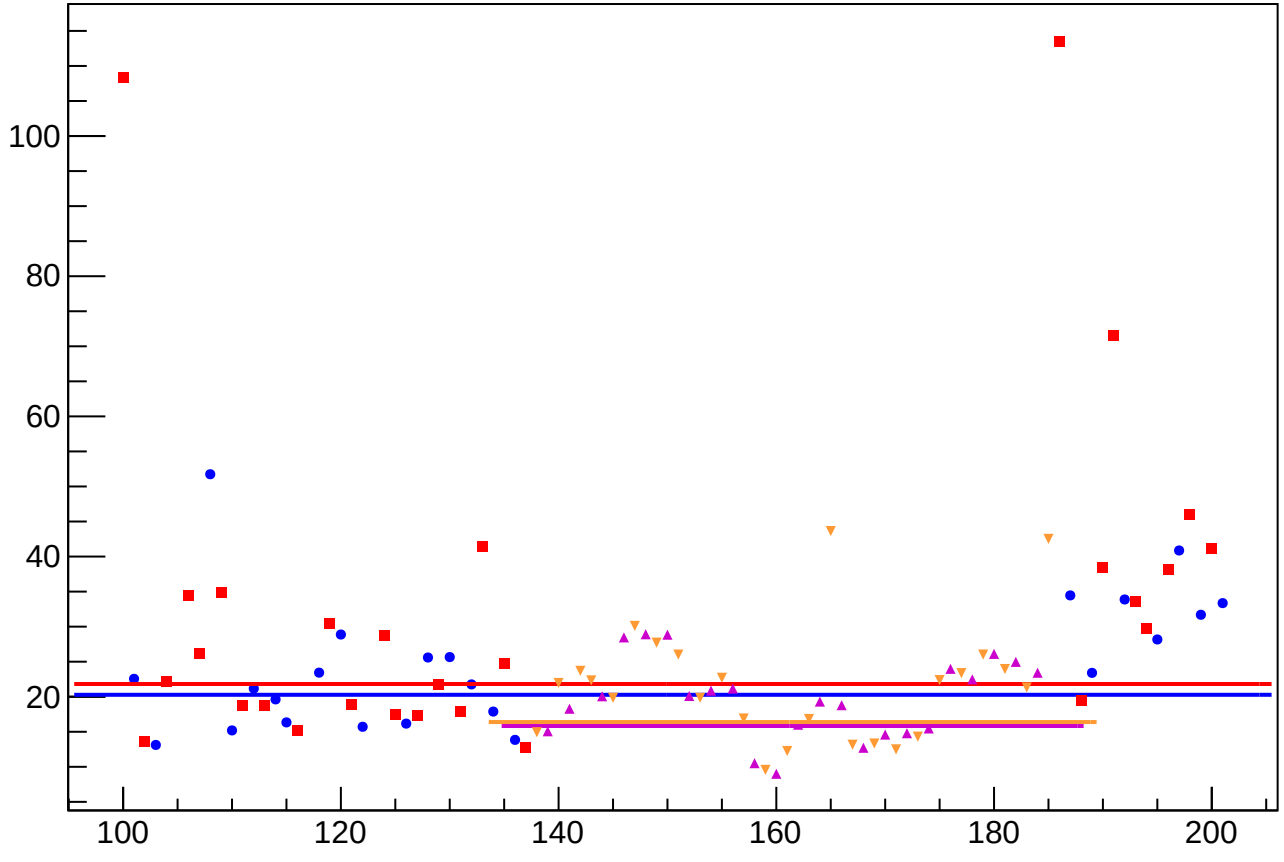
Right: 0.002+/-0.005 χ^2/NDF: 61.4/50

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 139.8/98

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: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

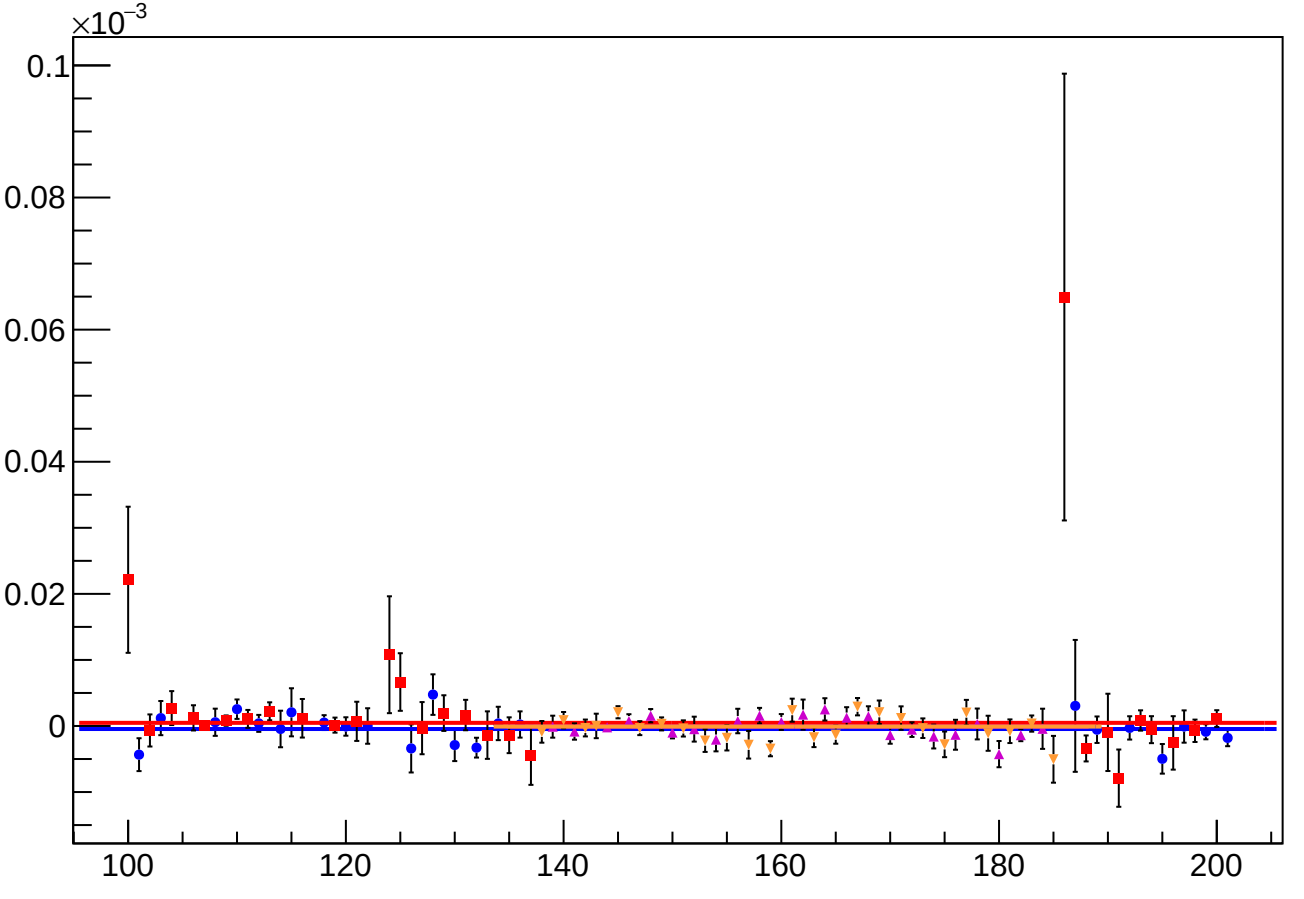
Right: 21.009+/-0.003 χ^2/NDF: 6441246.7/50

In: 17.077+/-0.002 χ^2/NDF:6973237.3/45

Out: 17.827+/-0.002 χ^2/NDF:8727292.5/52

All: 17.445+/-0.002 χ^2/NDF: 15747636.6/98

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: 26.3/27

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

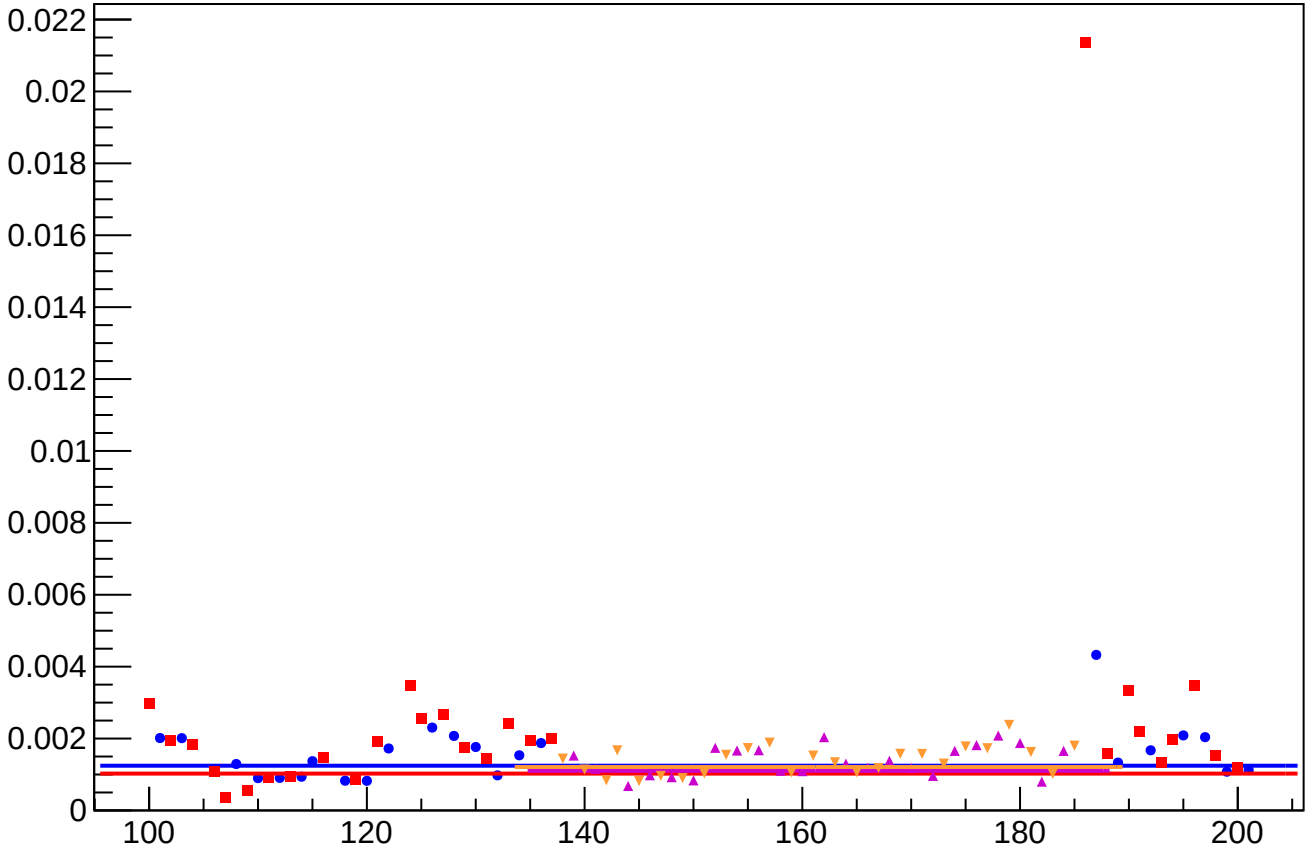
Right: 0.000+/-0.000 χ^2/NDF: 52.5/50

In: -0.000+/-0.000 χ^2/NDF:45.4/45

Out: 0.000+/-0.000 χ^2/NDF:64.0/52

All: -0.000+/-0.000 χ^2/NDF: 110.8/98

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 7558876.5/27

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

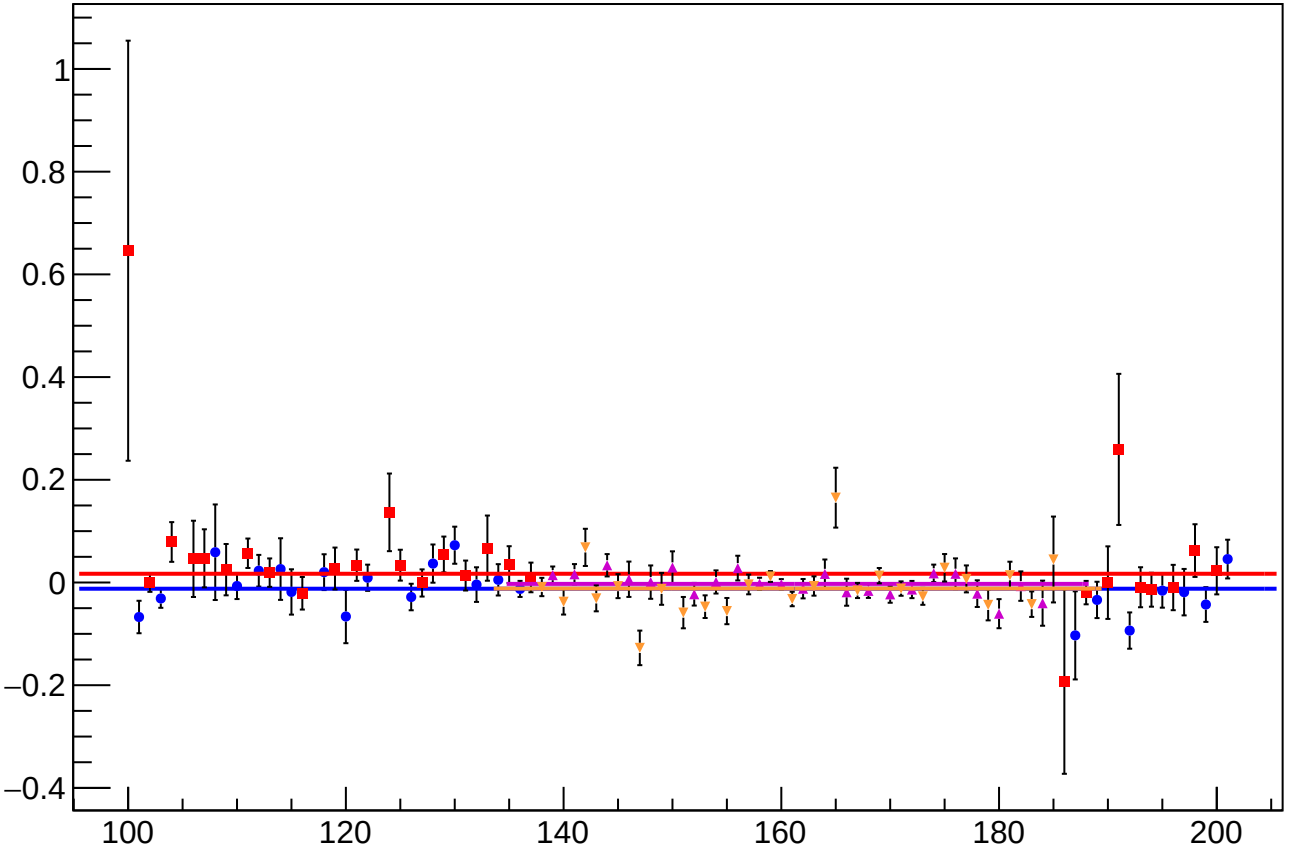
Right: 0.001+/-0.000 χ^2/NDF: 10662884.6/50

In: 0.001+/-0.000 χ^2/NDF:6405841.5/45

Out: 0.001+/-0.000 χ^2/NDF:10620901.9/52

All: 0.001+/-0.000 χ^2/NDF: 17036177.9/98

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: 0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

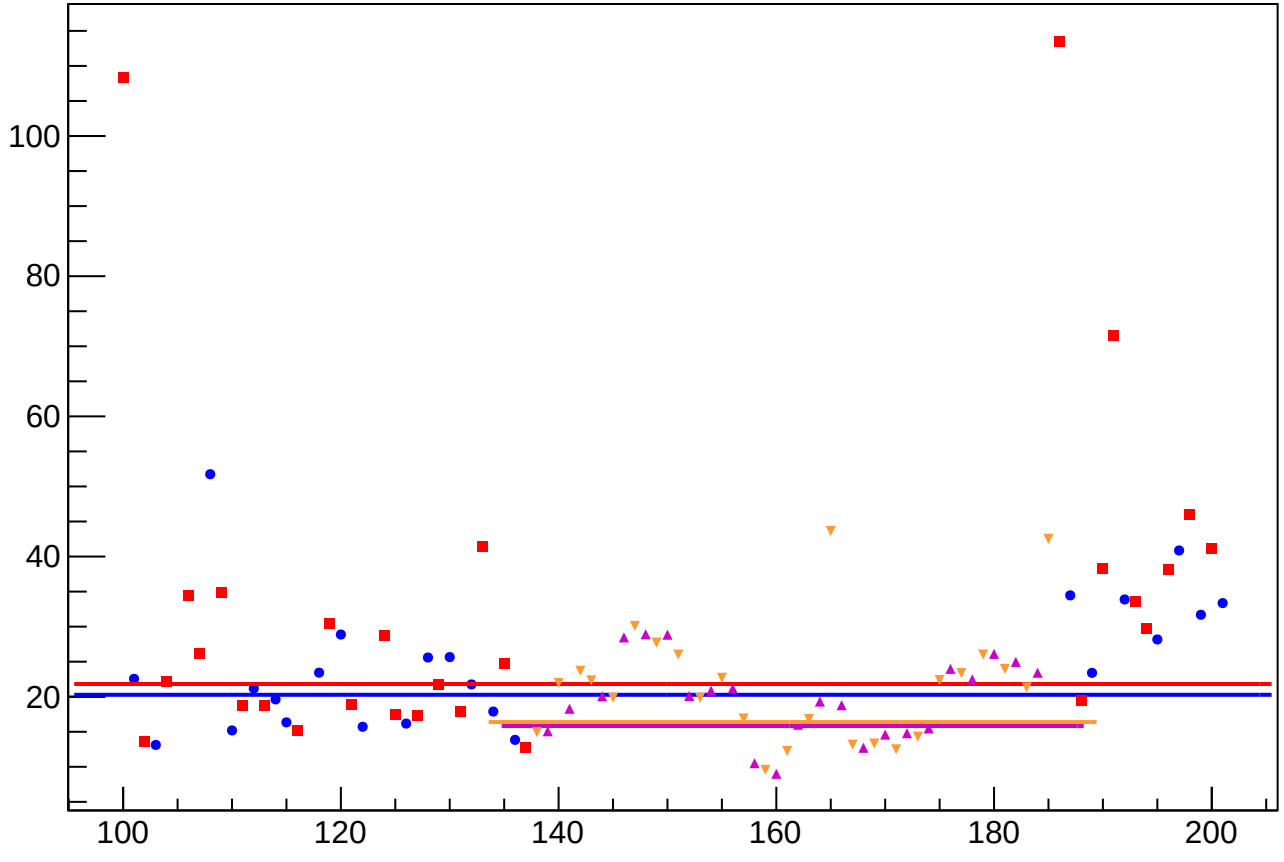
Right: 0.002+/-0.005 χ^2/NDF: 61.4/50

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 139.8/98

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: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

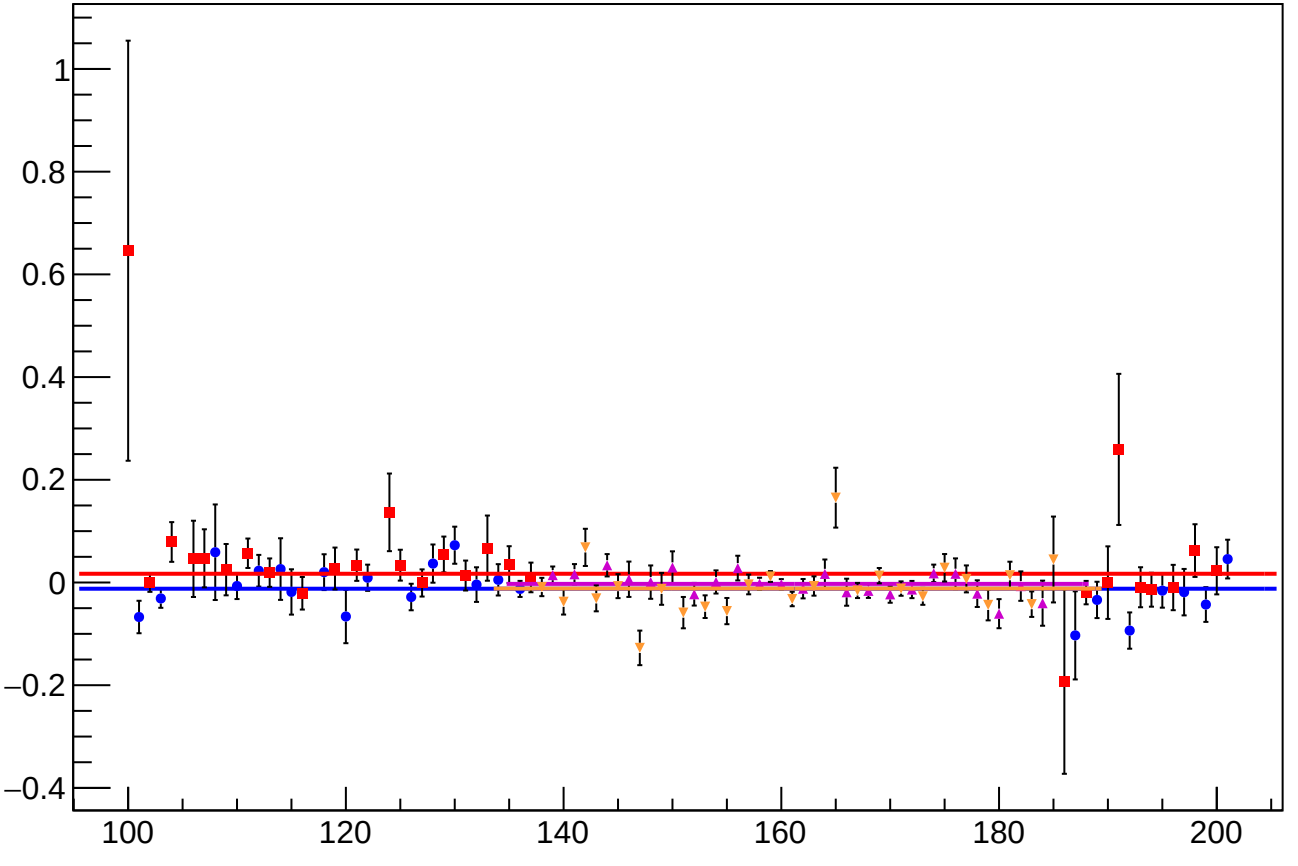
Right: 21.010+/-0.003 χ^2/NDF: 6441036.8/50

In: 17.077+/-0.002 χ^2/NDF:6973714.5/45

Out: 17.827+/-0.002 χ^2/NDF:8727523.0/52

All: 17.445+/-0.002 χ^2/NDF: 15748361.0/98

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: 0.017+/-0.007 χ^2/NDF: 24.6/27

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

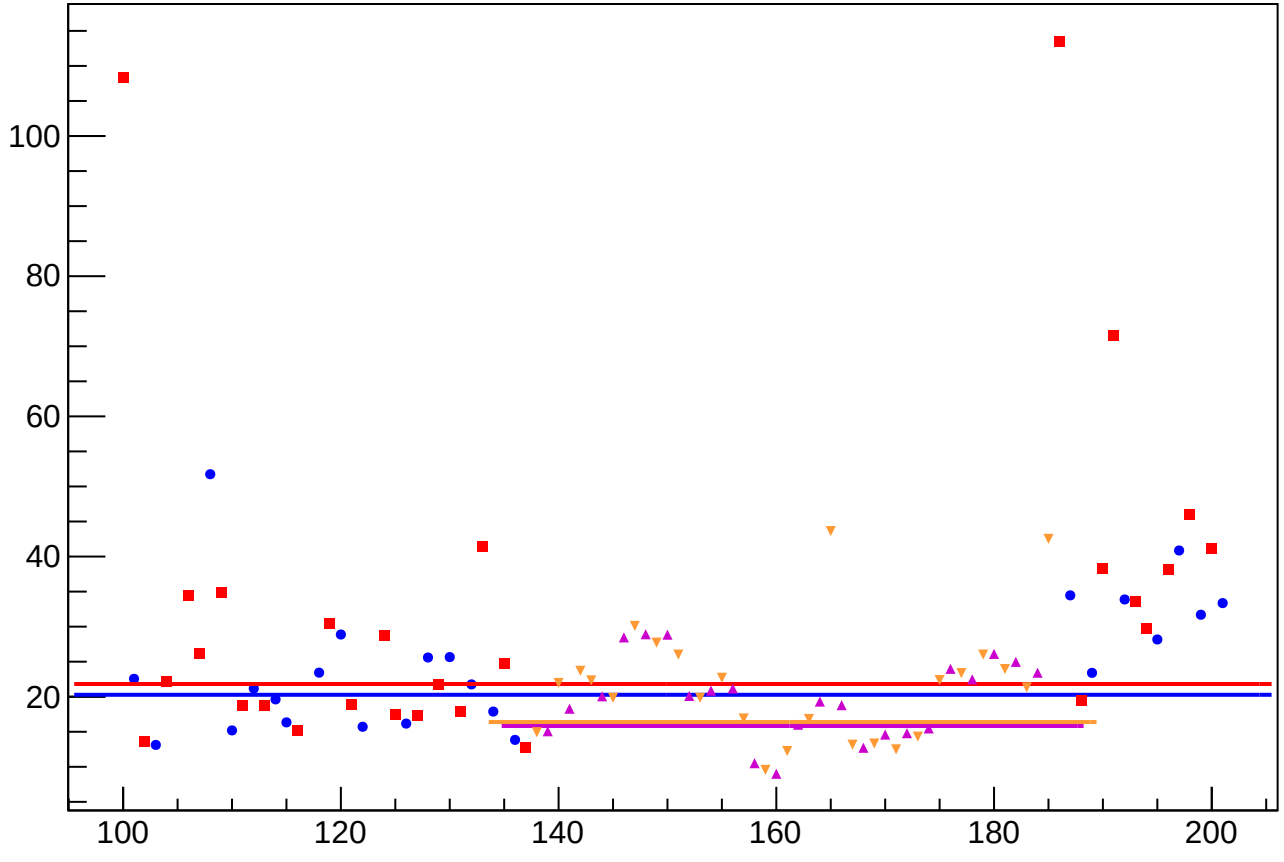
Right: 0.002+/-0.005 χ^2/NDF: 61.4/50

In: -0.005+/-0.003 χ^2/NDF:48.4/45

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 139.8/98

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: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

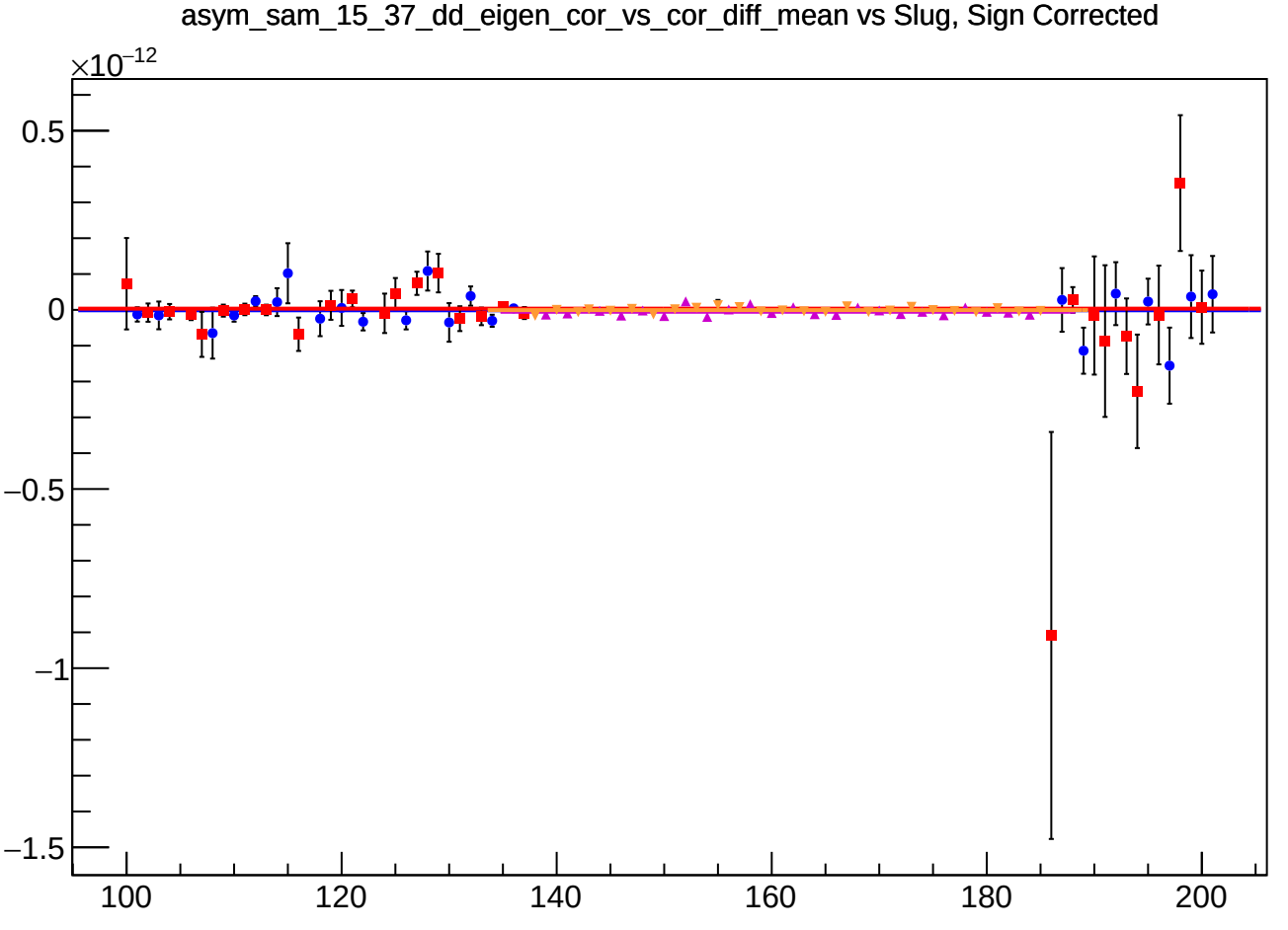
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.010+/-0.003 χ^2/NDF: 6441036.8/50

In: 17.077+/-0.002 χ^2/NDF:6973714.5/45

Out: 17.827+/-0.002 χ^2/NDF:8727523.0/52

All: 17.445+/-0.002 χ^2/NDF: 15748361.0/98



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: 28.5/27

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

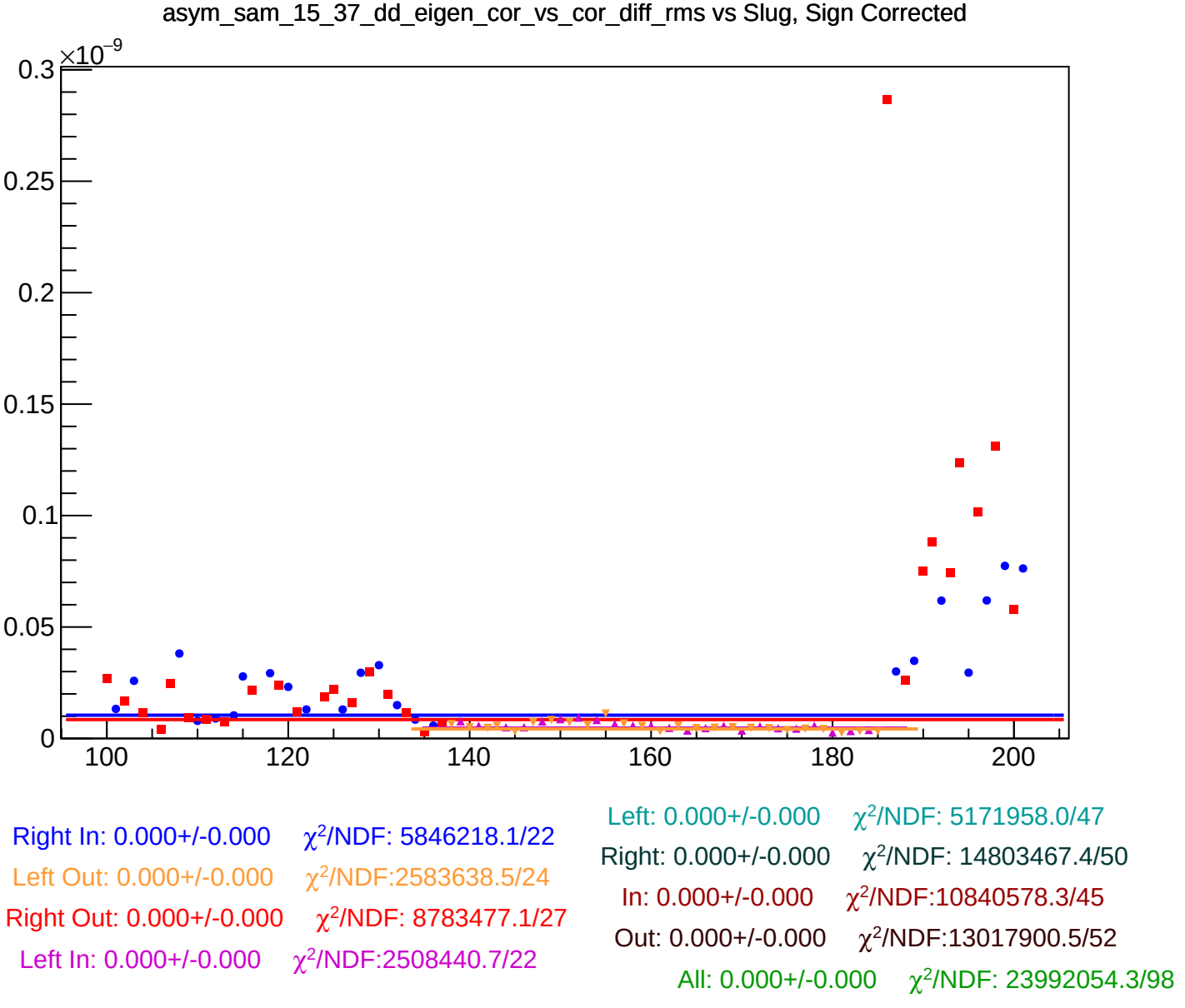
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

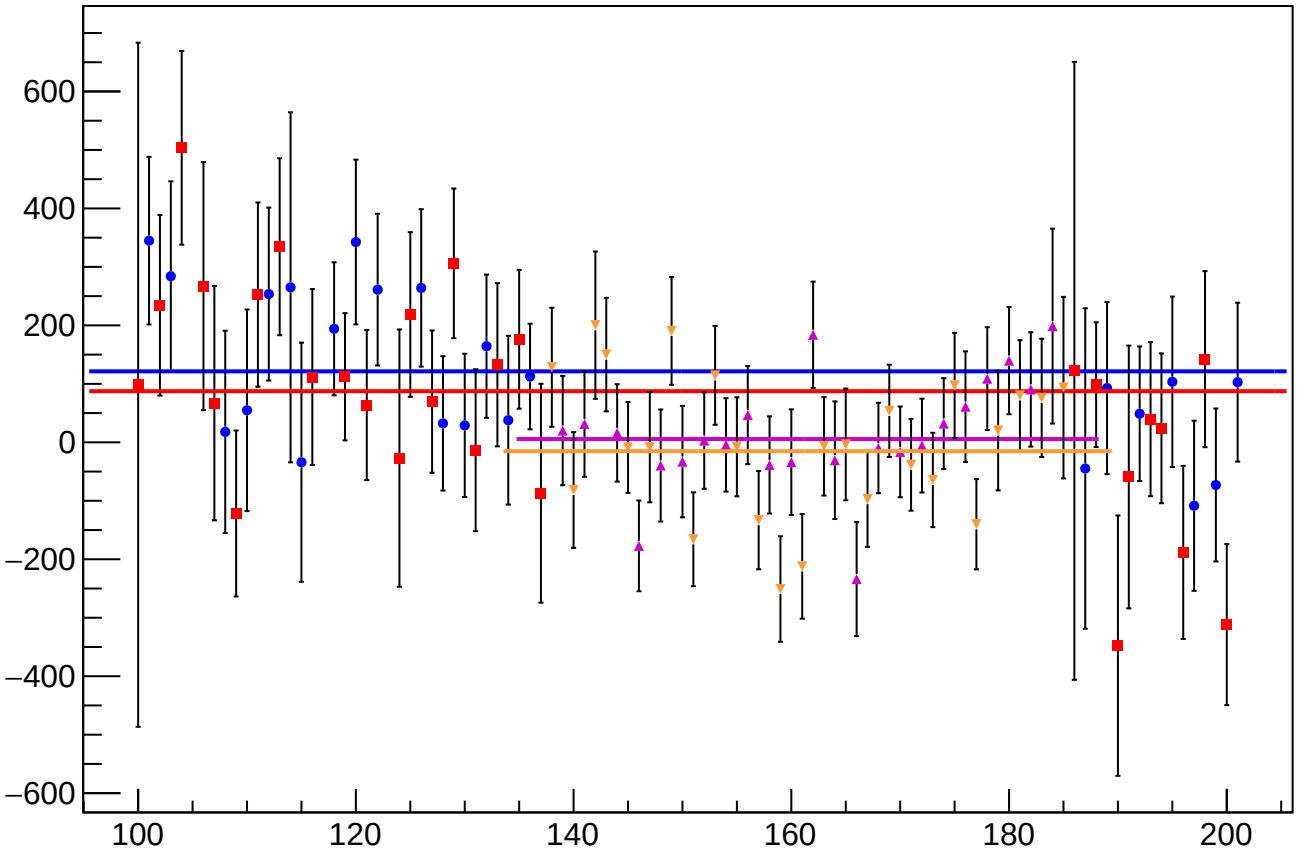
Right: 0.000+/-0.000 χ^2/NDF: 55.3/50

In: -0.000+/-0.000 χ^2/NDF:64.9/45

Out: -0.000+/-0.000 χ^2/NDF:48.4/52

All: -0.000+/-0.000 χ^2/NDF: 119.7/98


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: 8783477.1/27
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: 14803467.4/50
In: 0.000+/-0.000 χ²/NDF:10840578.3/45
Out: 0.000+/-0.000 χ²/NDF:13017900.5/52
All: 0.000+/-0.000 χ²/NDF: 23992054.3/98



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: 87.424+/-28.321 χ^2/NDF: 36.8/27

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

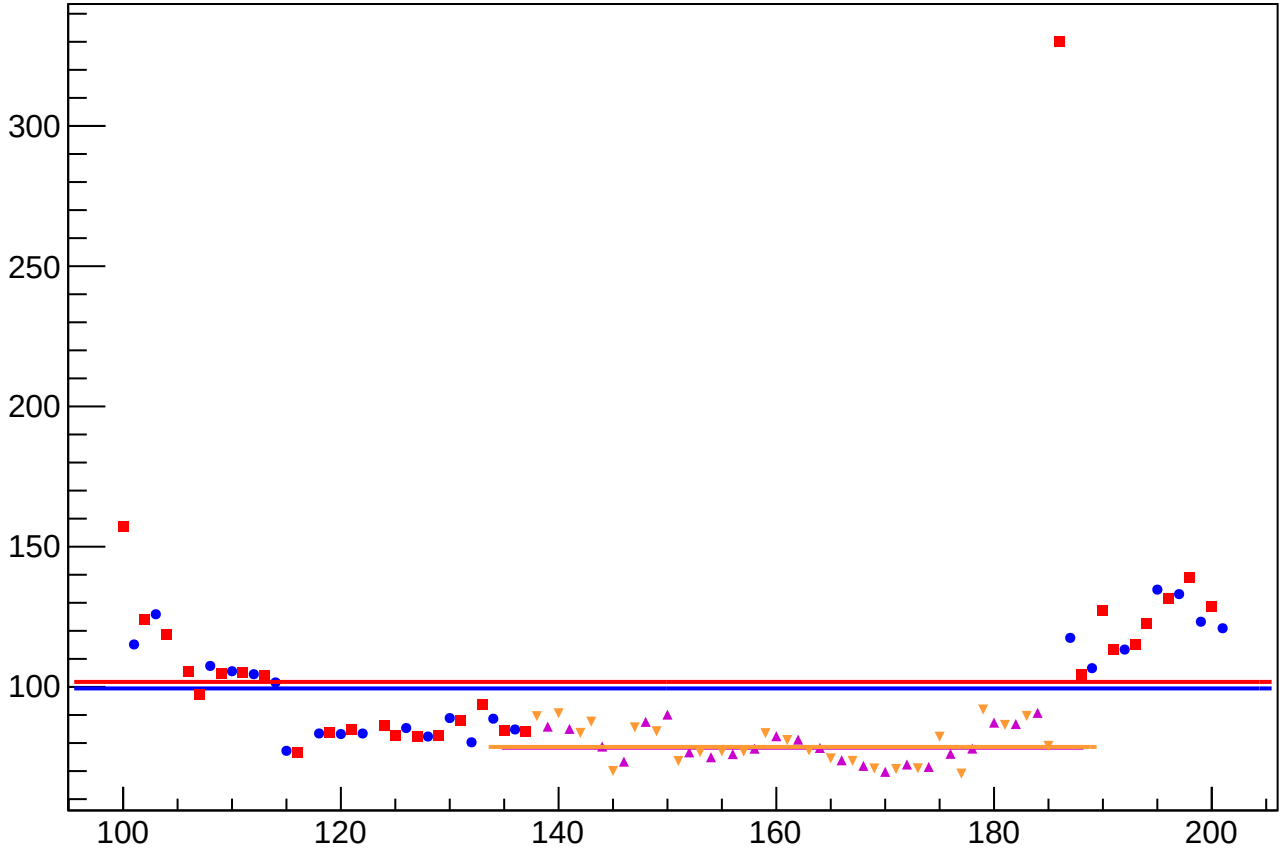
Right: 104.072+/-20.223 χ^2/NDF: 55.4/50

In: 38.995+/-15.508 χ^2/NDF:52.3/45

Out: 14.297+/-15.166 χ^2/NDF:87.8/52

All: 26.371+/-10.843 χ^2/NDF: 141.4/98

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 101.795+/-0.020 χ^2/NDF: 1219263.0/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

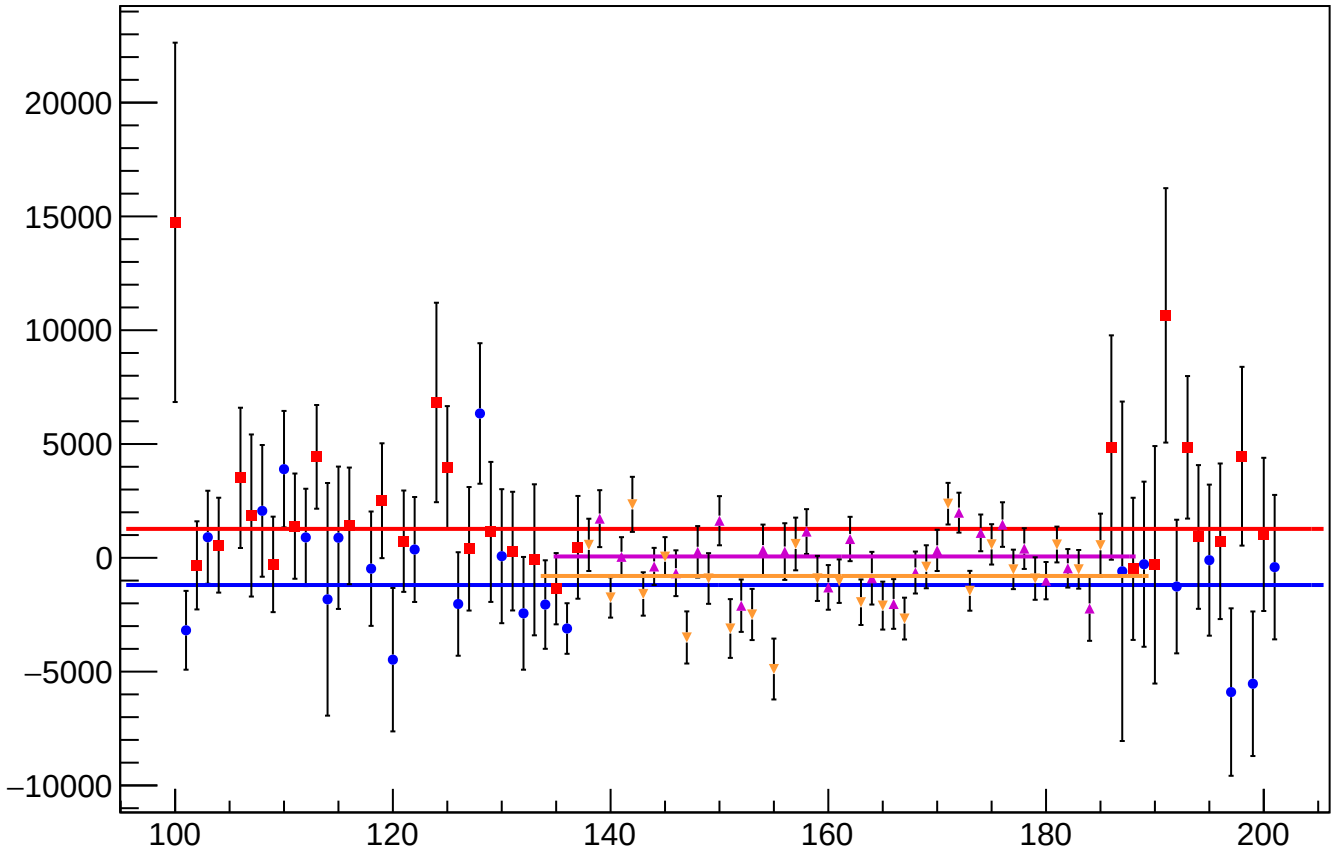
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.654+/-0.014 χ^2/NDF: 2009518.1/50

In: 84.426+/-0.011 χ^2/NDF:1754706.9/45

Out: 85.264+/-0.011 χ^2/NDF:2481849.3/52

All: 84.854+/-0.008 χ^2/NDF: 4239544.1/98



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: 1271.090+/-516.888 χ^2/NDF: 18.8/27

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

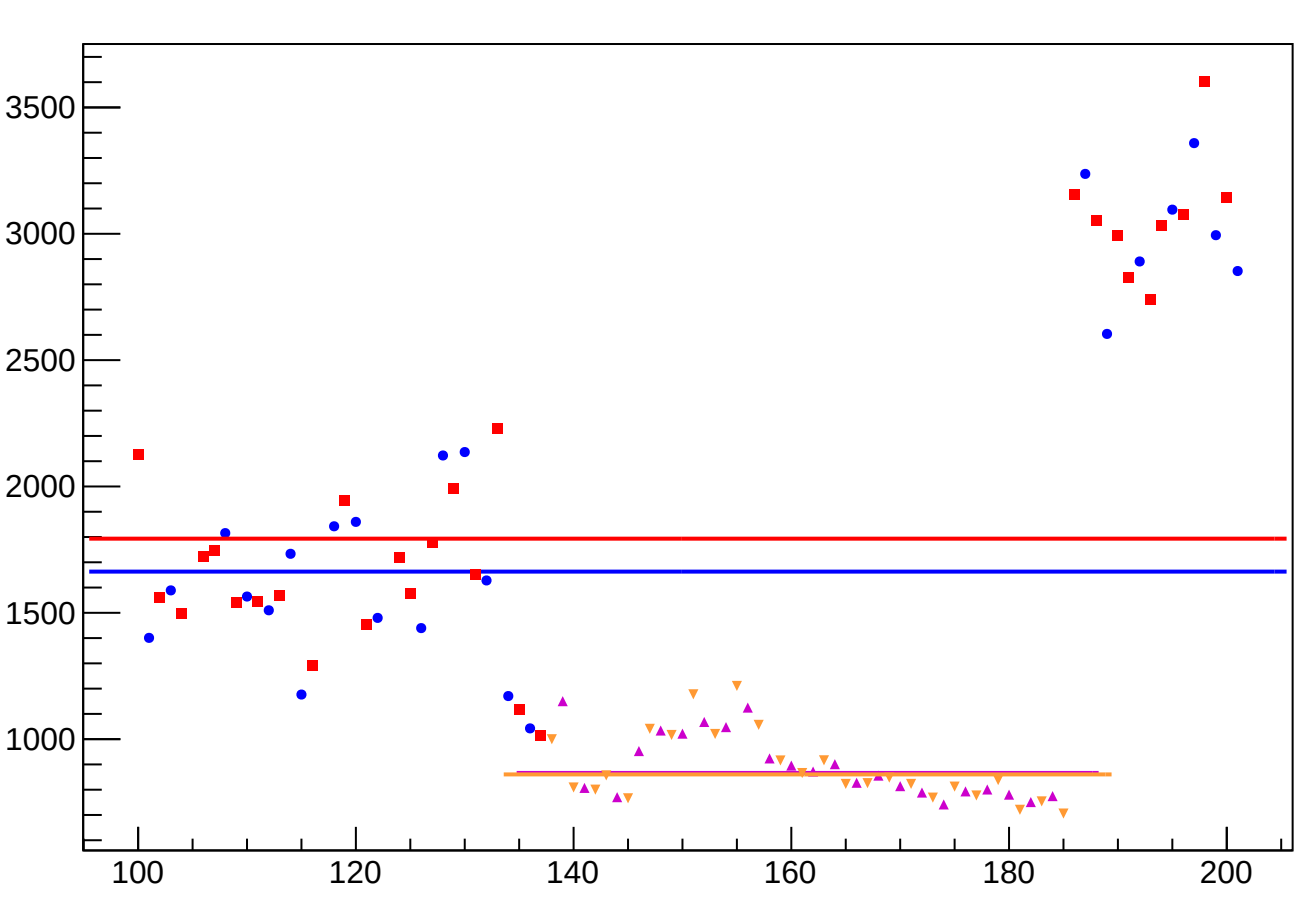
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 16.515+/-362.276 χ^2/NDF: 54.4/50

In: -115.390+/-189.650 χ^2/NDF:59.8/45

Out: -532.639+/-184.804 χ^2/NDF:92.2/52

All: -329.413+/-132.356 χ^2/NDF: 154.5/98



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: 1793.493+/-0.365 χ^2/NDF: 3121779.9/27

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

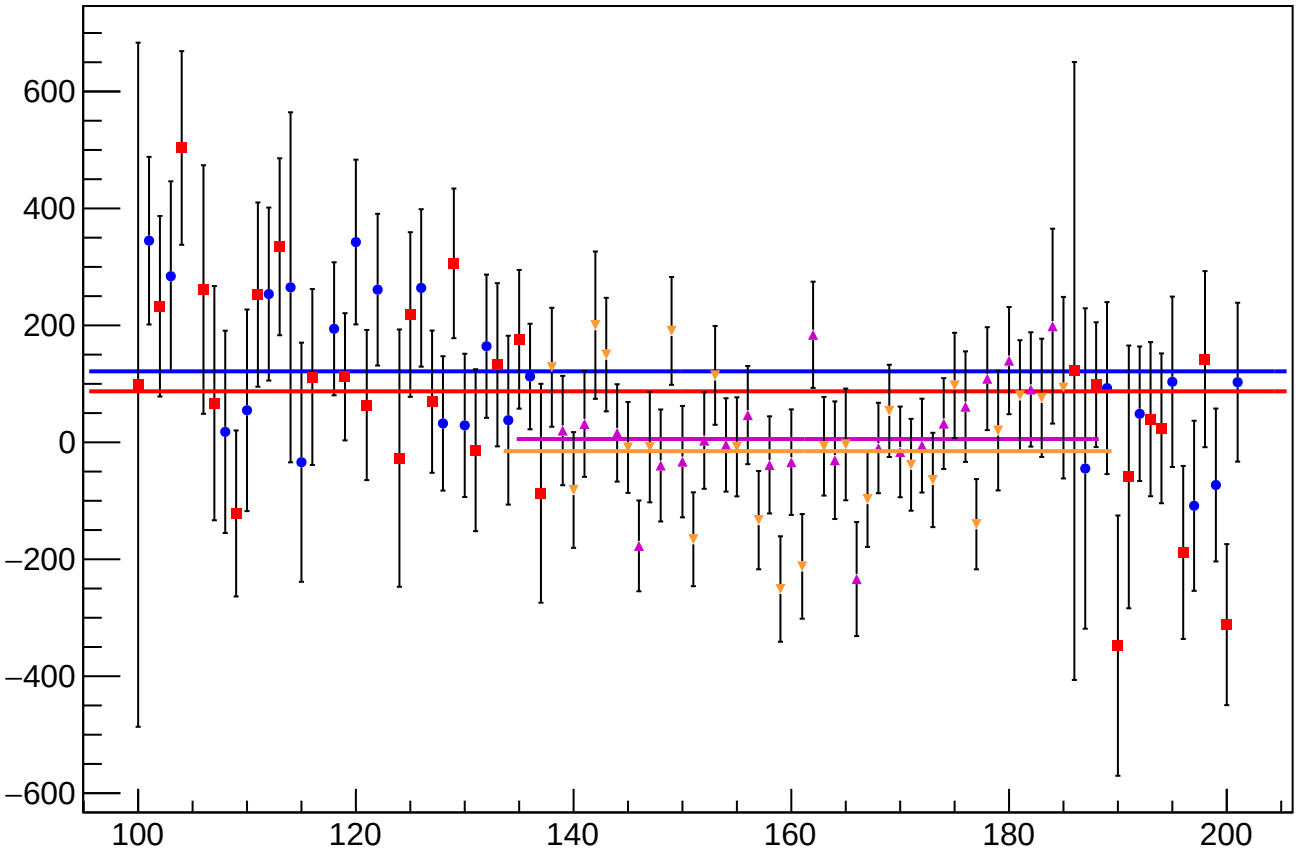
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1727.156+/-0.256 χ^2/NDF: 6204199.6/50

In: 977.441+/-0.134 χ^2/NDF:7866465.4/45

Out: 979.757+/-0.131 χ^2/NDF:9504351.1/52

All: 978.629+/-0.094 χ^2/NDF: 17370969.4/98



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: 87.246+/-28.323 χ^2/NDF: 36.7/27

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

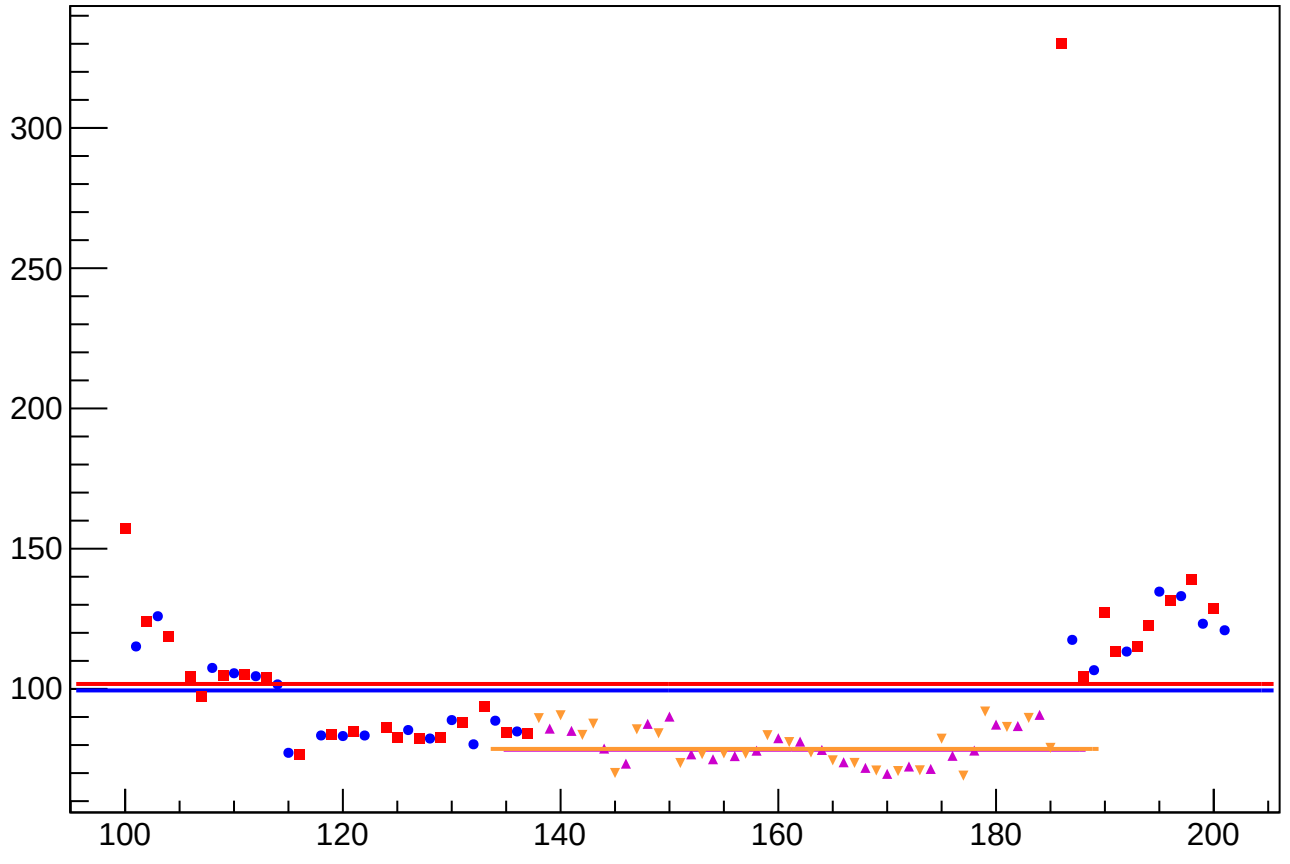
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 103.979+/-20.223 χ^2/NDF: 55.3/50

In: 38.991+/-15.508 χ^2/NDF:52.3/45

Out: 14.246+/-15.166 χ^2/NDF:87.7/52

All: 26.343+/-10.843 χ^2/NDF: 141.3/98



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: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

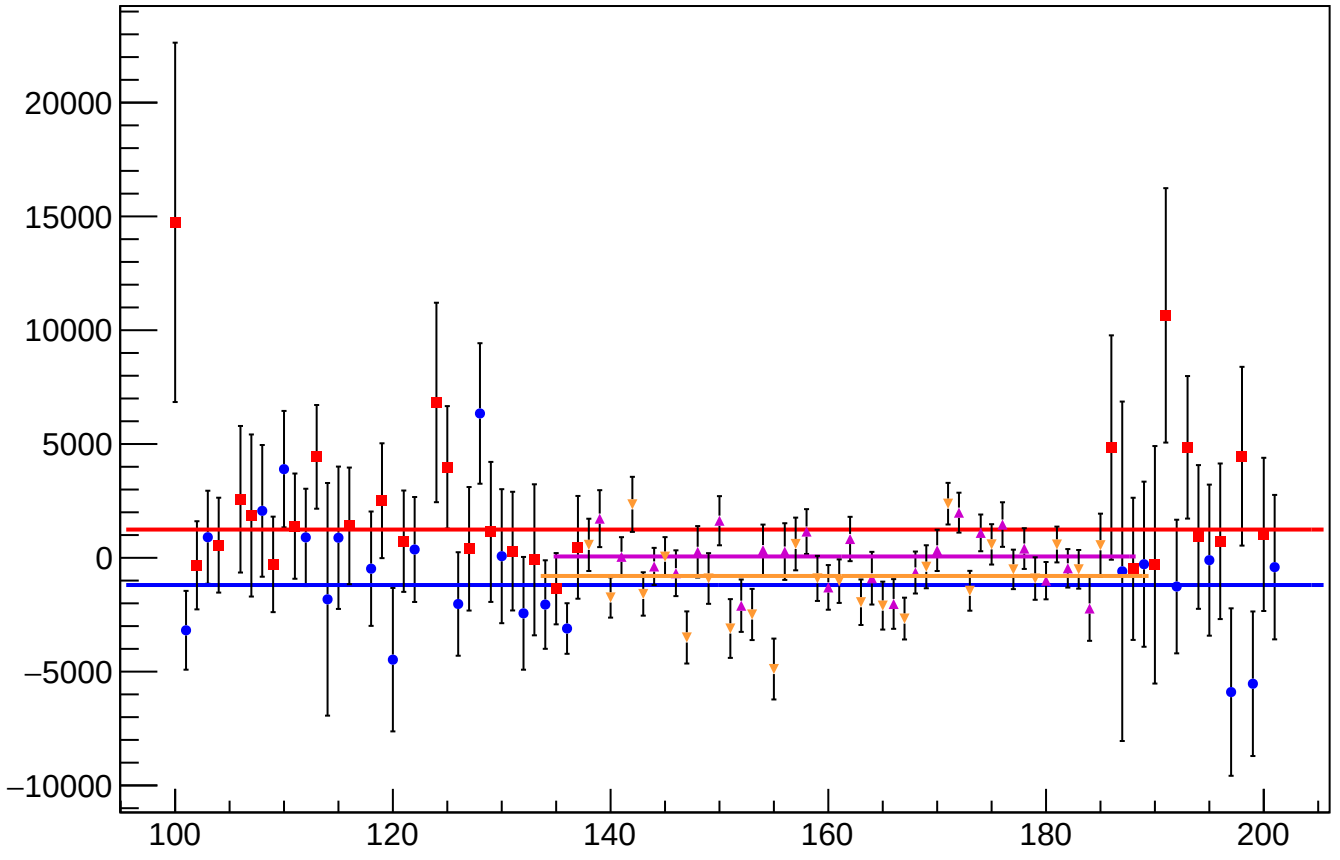
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.643+/-0.014 χ^2/NDF: 2009202.7/50

In: 84.426+/-0.011 χ^2/NDF:1754708.8/45

Out: 85.257+/-0.011 χ^2/NDF:2479799.0/52

All: 84.851+/-0.008 χ^2/NDF: 4237448.3/98



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: 1241.817+/-517.516 χ^2/NDF: 18.4/27

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

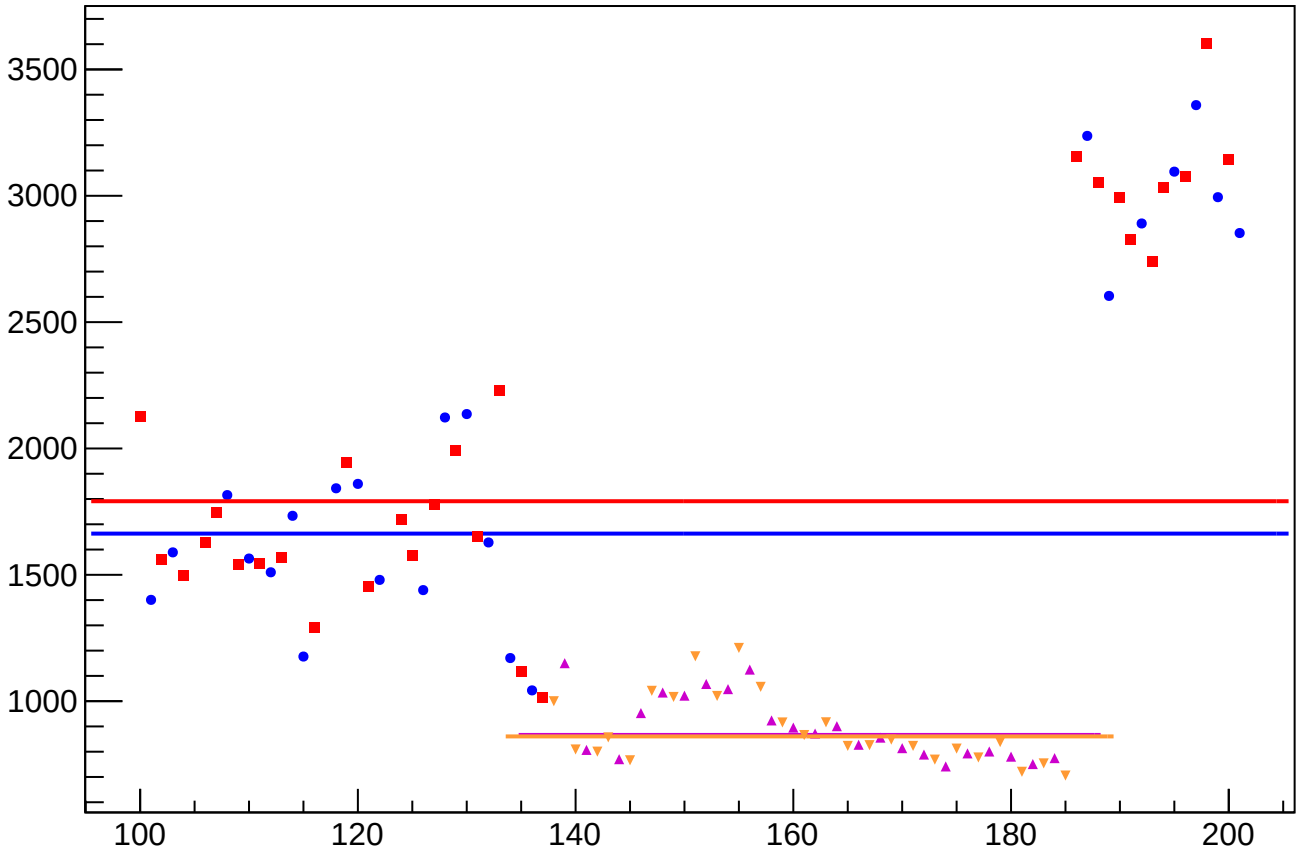
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 0.669+/-362.492 χ^2/NDF: 53.8/50

In: -115.387+/-189.650 χ^2/NDF:59.8/45

Out: -536.932+/-184.833 χ^2/NDF:91.4/52

All: -331.581+/-132.367 χ^2/NDF: 153.7/98



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: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

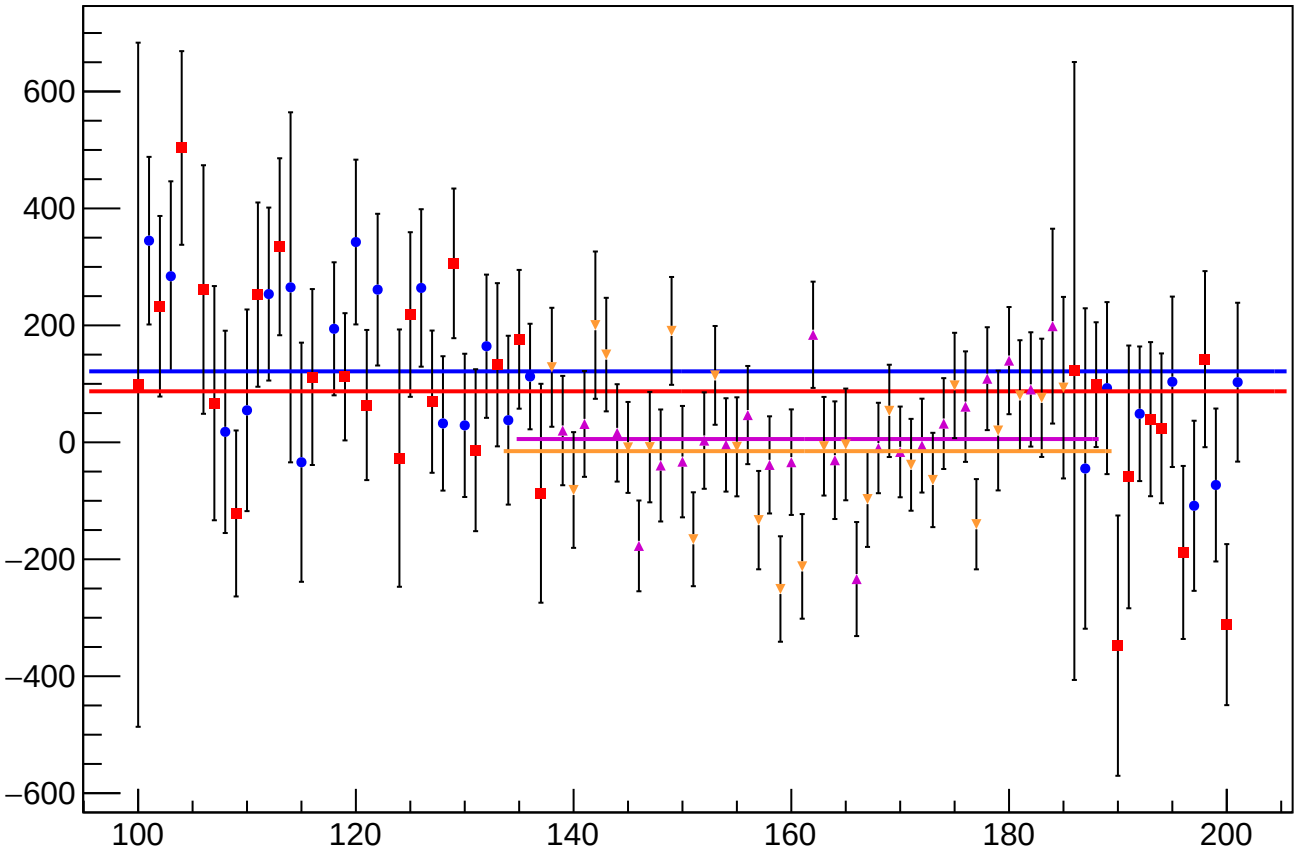
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1725.999+/-0.256 χ^2/NDF: 6205920.3/50

In: 977.441+/-0.134 χ^2/NDF:7866481.9/45

Out: 979.223+/-0.131 χ^2/NDF:9469571.1/52

All: 978.355+/-0.094 χ^2/NDF: 17336143.6/98



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: 87.246+/-28.323 χ^2/NDF: 36.7/27

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

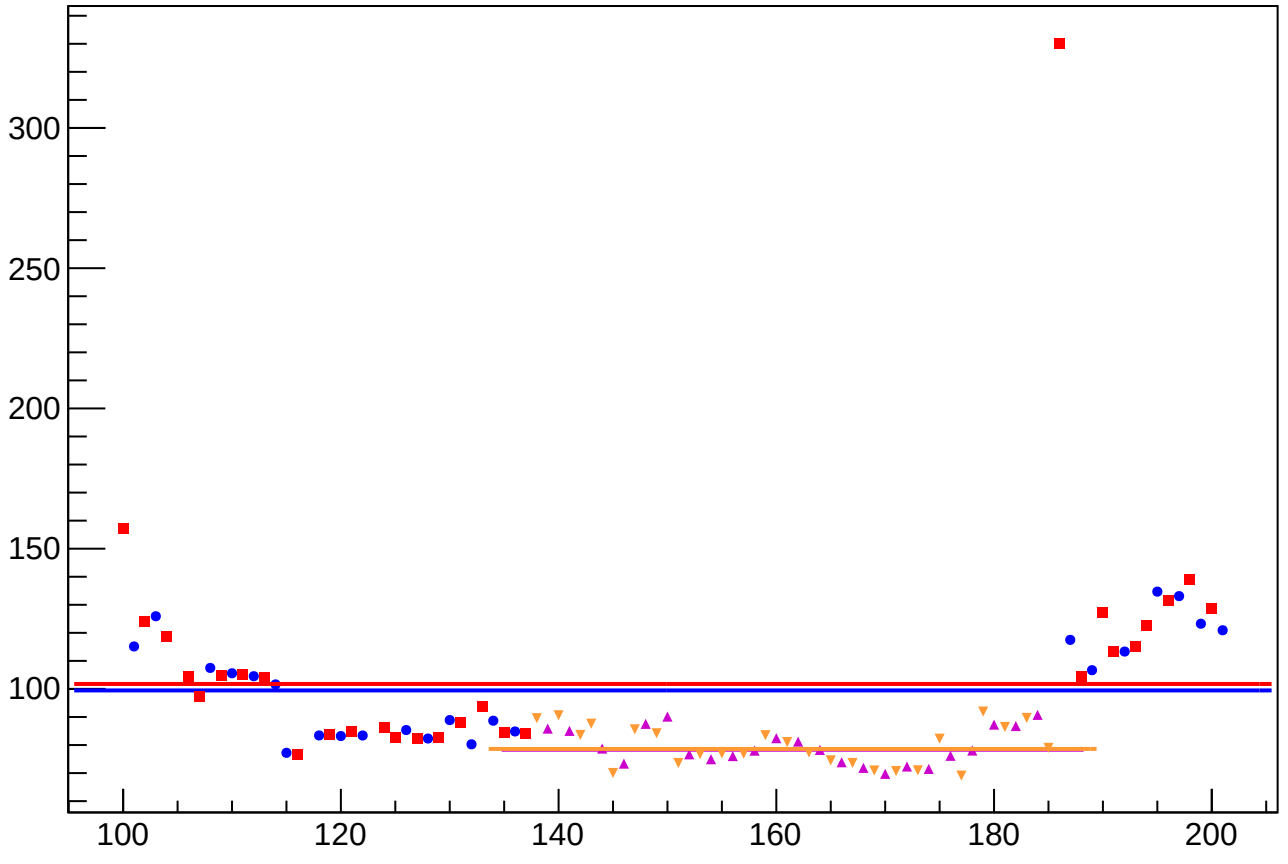
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 103.979+/-20.223 χ^2/NDF: 55.3/50

In: 38.991+/-15.508 χ^2/NDF:52.3/45

Out: 14.246+/-15.166 χ^2/NDF:87.7/52

All: 26.343+/-10.843 χ^2/NDF: 141.3/98



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: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

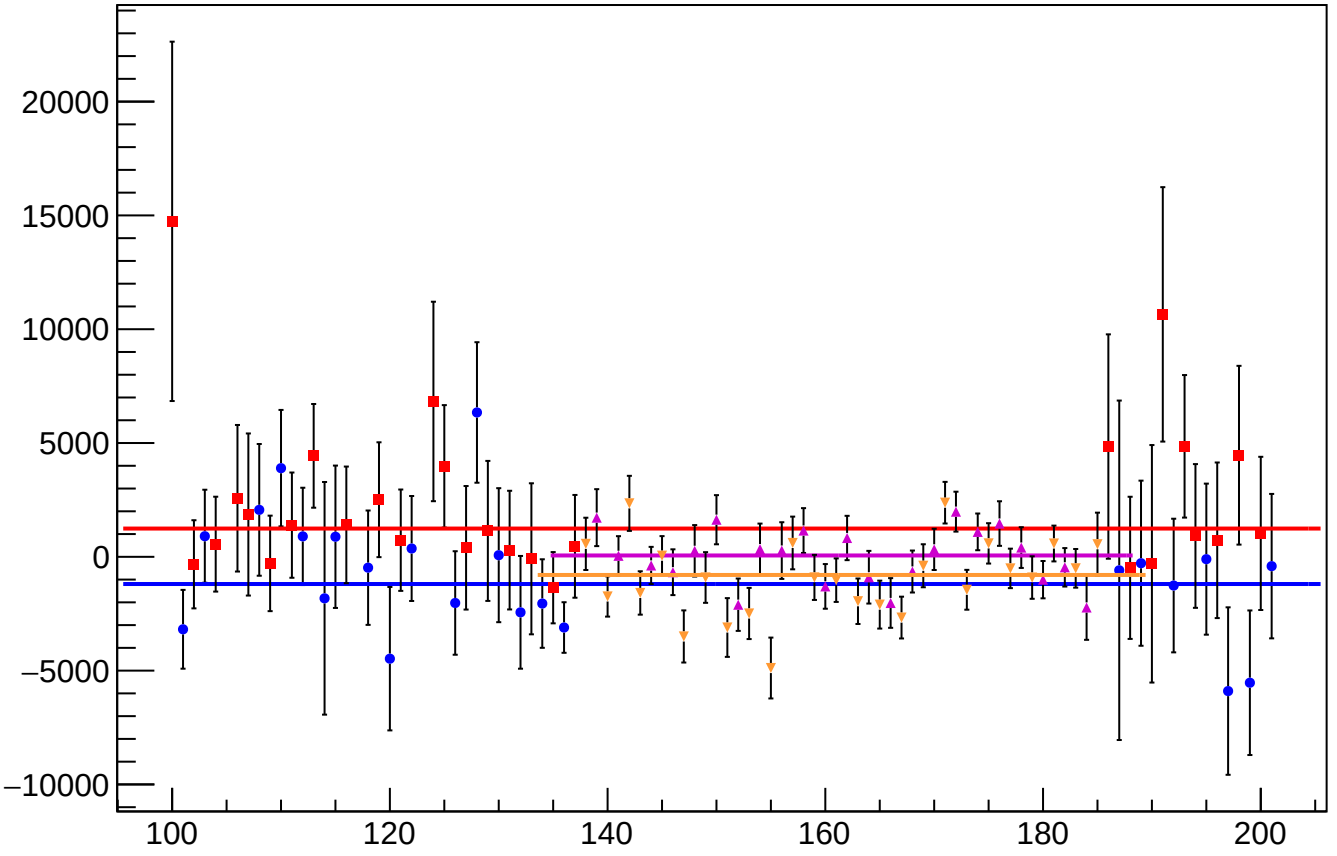
Right: 100.643+/-0.014 χ^2/NDF: 2009202.7/50

In: 84.426+/-0.011 χ^2/NDF:1754708.8/45

Out: 85.257+/-0.011 χ^2/NDF:2479799.0/52

All: 84.851+/-0.008 χ^2/NDF: 4237448.3/98

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1241.817+/-517.516 χ^2/NDF: 18.4/27

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

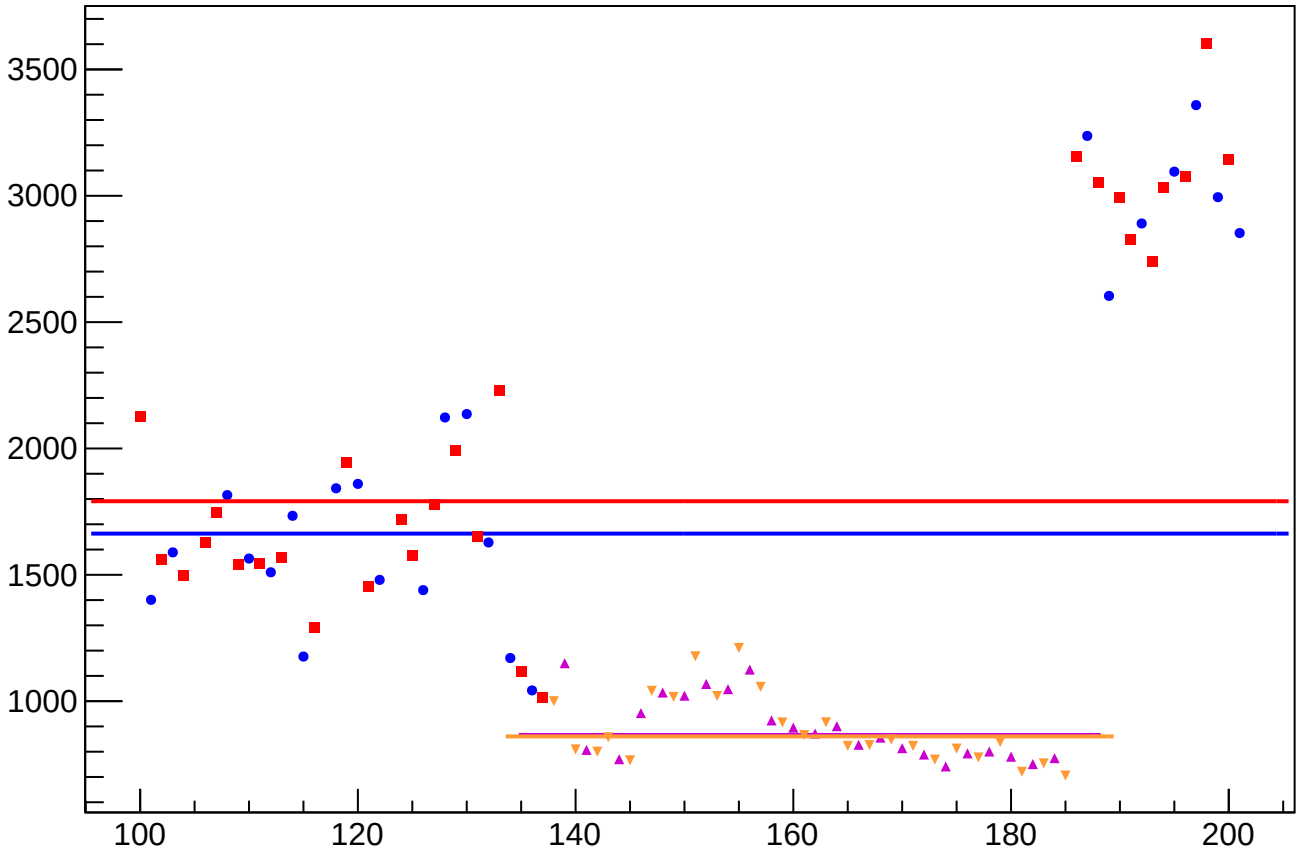
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 0.669+/-362.492 χ^2/NDF: 53.8/50

In: -115.387+/-189.650 χ^2/NDF:59.8/45

Out: -536.932+/-184.833 χ^2/NDF:91.4/52

All: -331.581+/-132.367 χ^2/NDF: 153.7/98



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: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

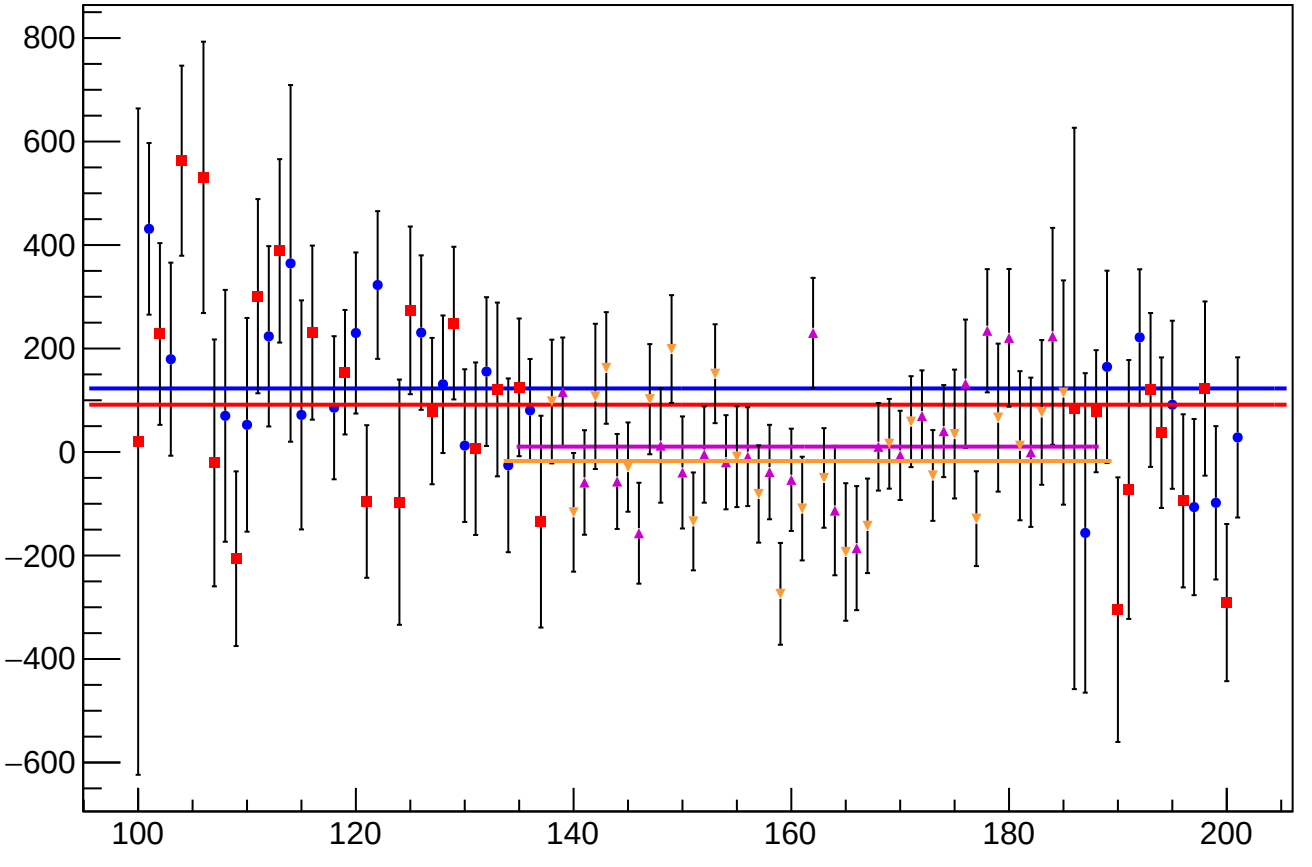
Right: 1725.999+/-0.256 χ^2/NDF: 6205920.3/50

In: 977.441+/-0.134 χ^2/NDF:7866481.9/45

Out: 979.223+/-0.131 χ^2/NDF:9469571.1/52

All: 978.355+/-0.094 χ^2/NDF: 17336143.6/98

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: 91.448+/-32.282 χ^2/NDF: 35.2/27

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

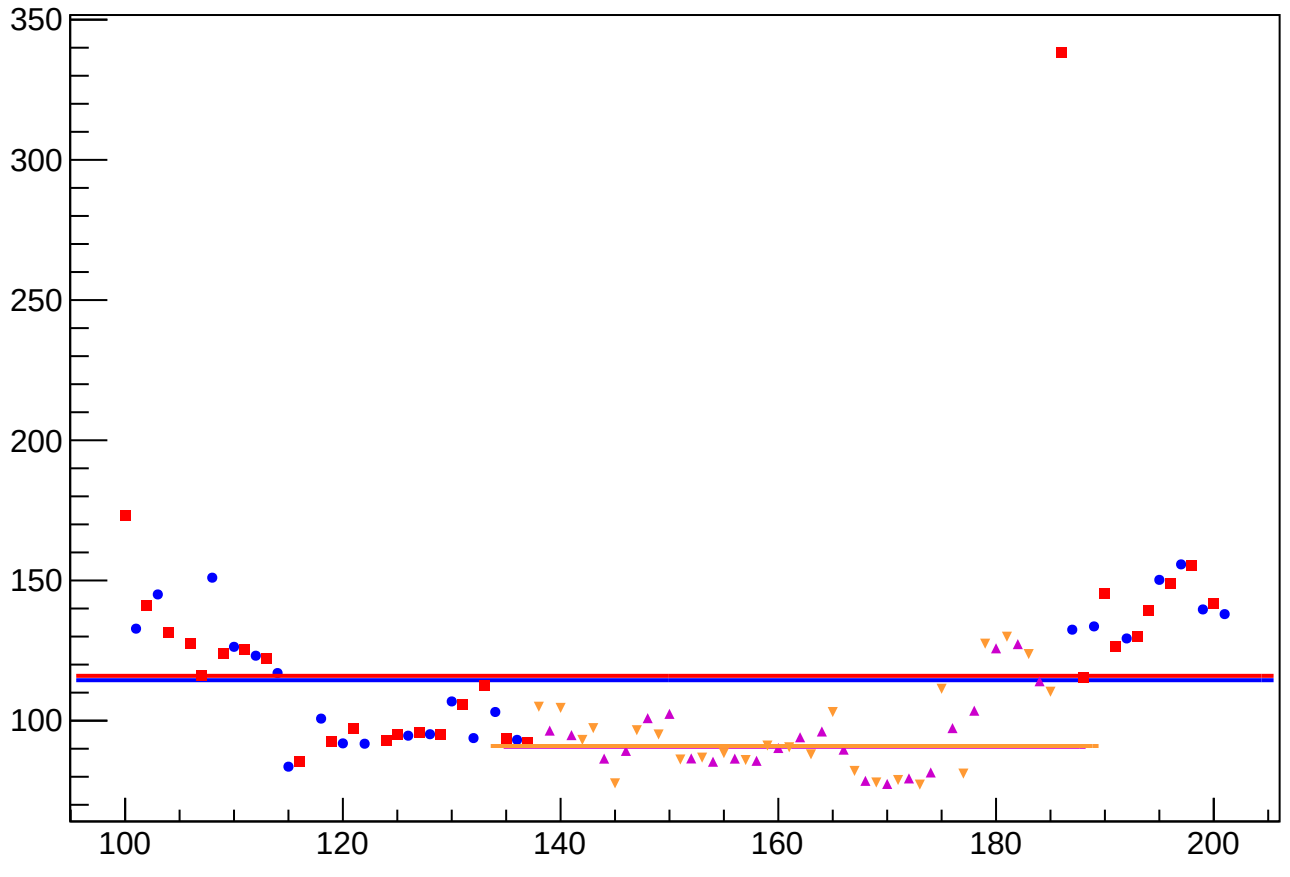
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 106.650+/-23.192 χ^2/NDF: 50.8/50

In: 43.447+/-18.071 χ^2/NDF:45.8/45

Out: 14.967+/-17.595 χ^2/NDF:74.4/52

All: 28.828+/-12.607 χ^2/NDF: 121.4/98



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: 115.994+/-0.023 χ^2/NDF: 1163909.5/27

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

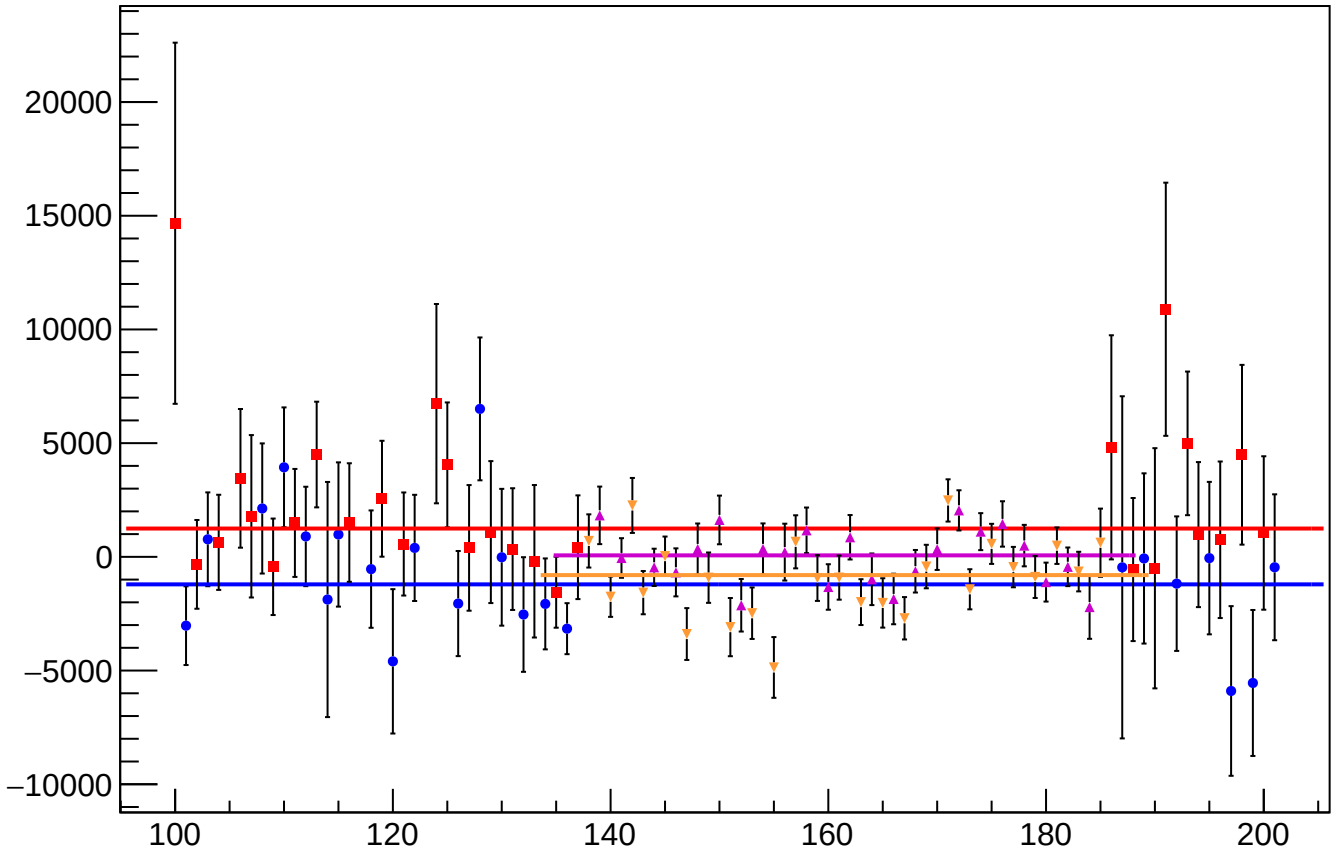
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 115.238+/-0.016 χ^2/NDF: 2049824.9/50

In: 97.665+/-0.013 χ^2/NDF:2145886.7/45

Out: 98.402+/-0.012 χ^2/NDF:2793395.2/52

All: 98.043+/-0.009 χ^2/NDF: 4940989.8/98



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: 1245.218+/-522.083 χ^2/NDF: 19.5/27

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

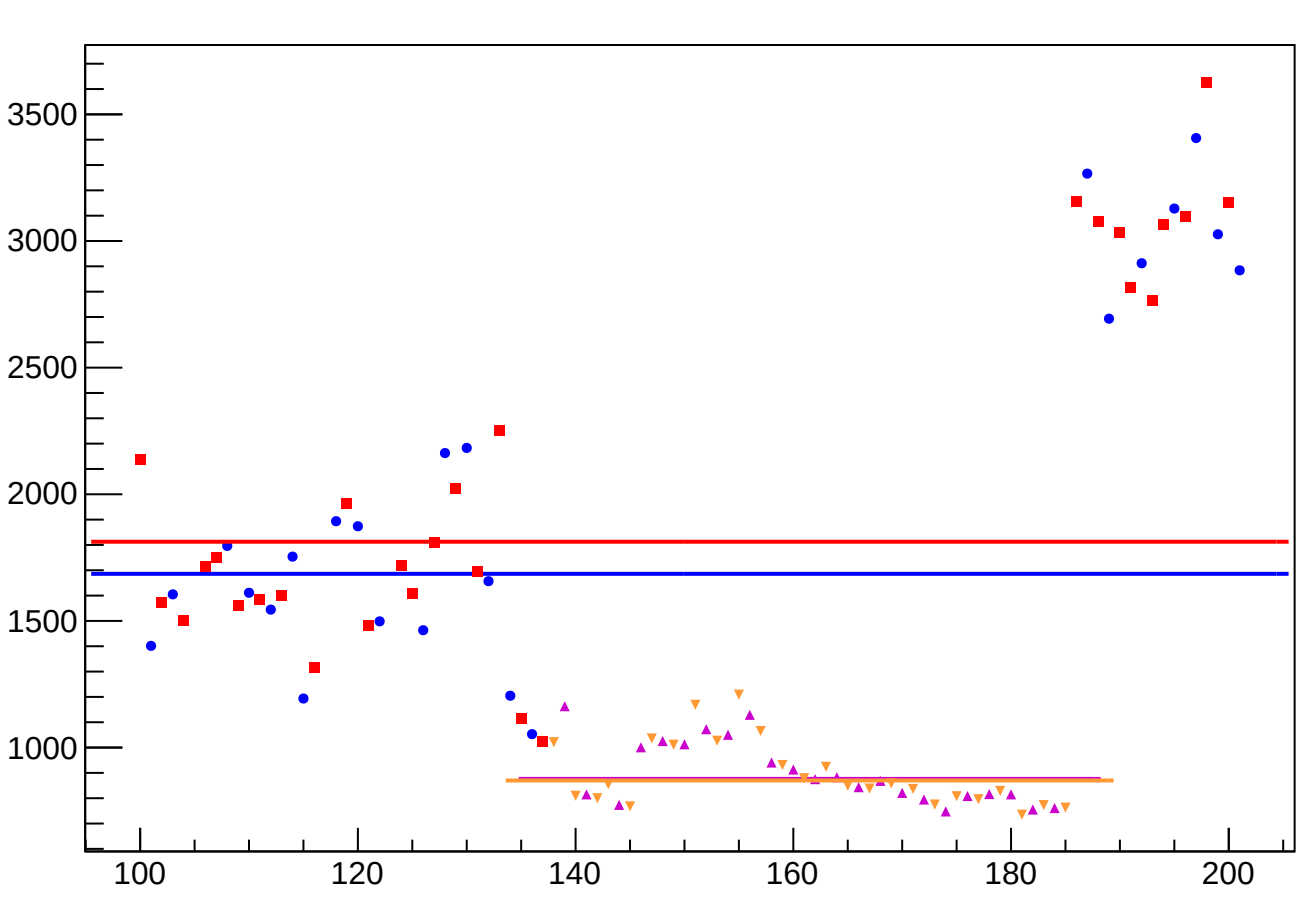
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 0.299+/-366.544 χ^2/NDF: 54.5/50

In: -111.804+/-191.794 χ^2/NDF:59.8/45

Out: -540.820+/-186.644 χ^2/NDF:91.3/52

All: -332.150+/-133.761 χ^2/NDF: 153.6/98



Right In: 1685.958+/-0.364 χ^2/NDF: 3024358.5/22

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1812.647+/-0.369 χ^2/NDF: 3111211.6/27

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

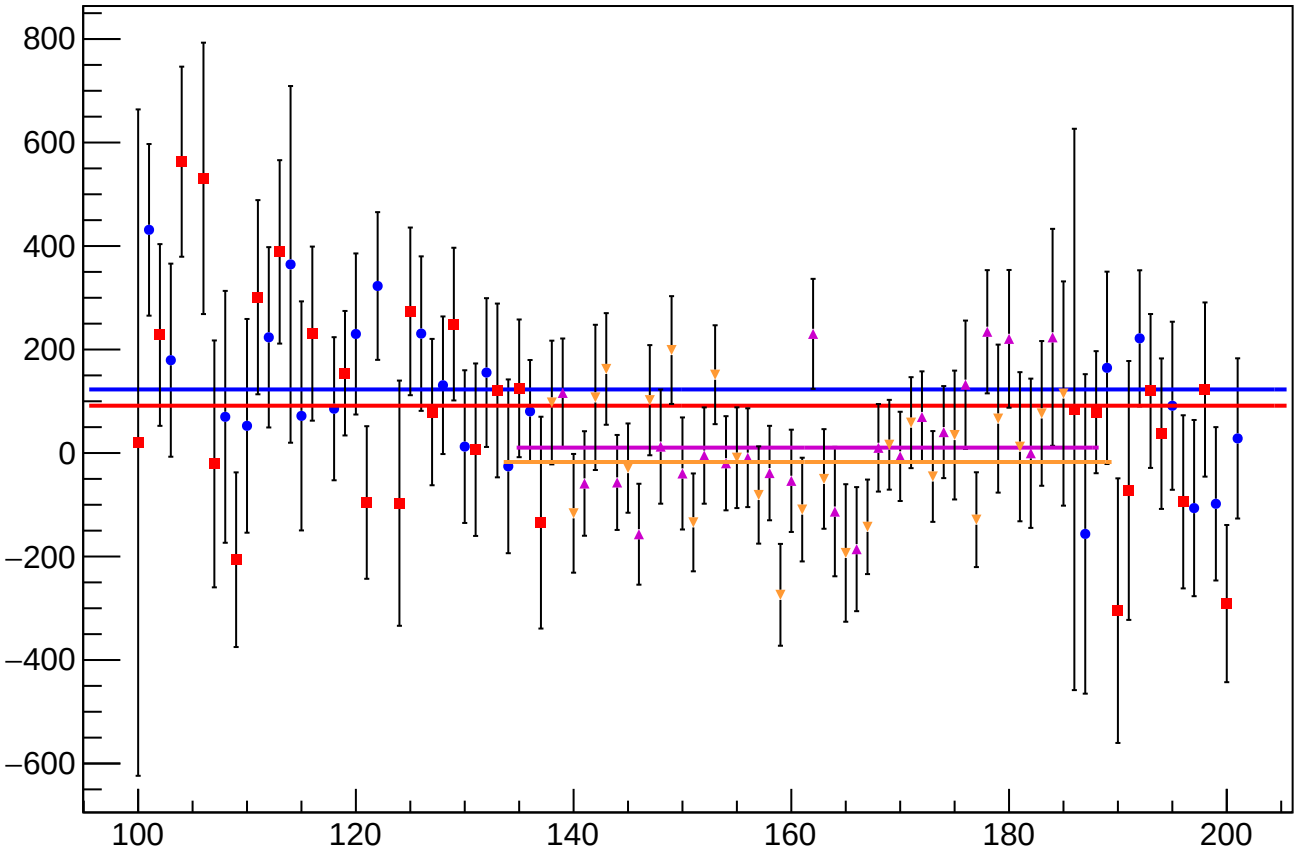
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1748.405+/-0.259 χ^2/NDF: 6195288.2/50

In: 988.685+/-0.136 χ^2/NDF:7883178.3/45

Out: 990.482+/-0.132 χ^2/NDF:9445102.1/52

All: 989.608+/-0.095 χ^2/NDF: 17328370.5/98



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: 91.448+/-32.282 χ^2/NDF: 35.2/27

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

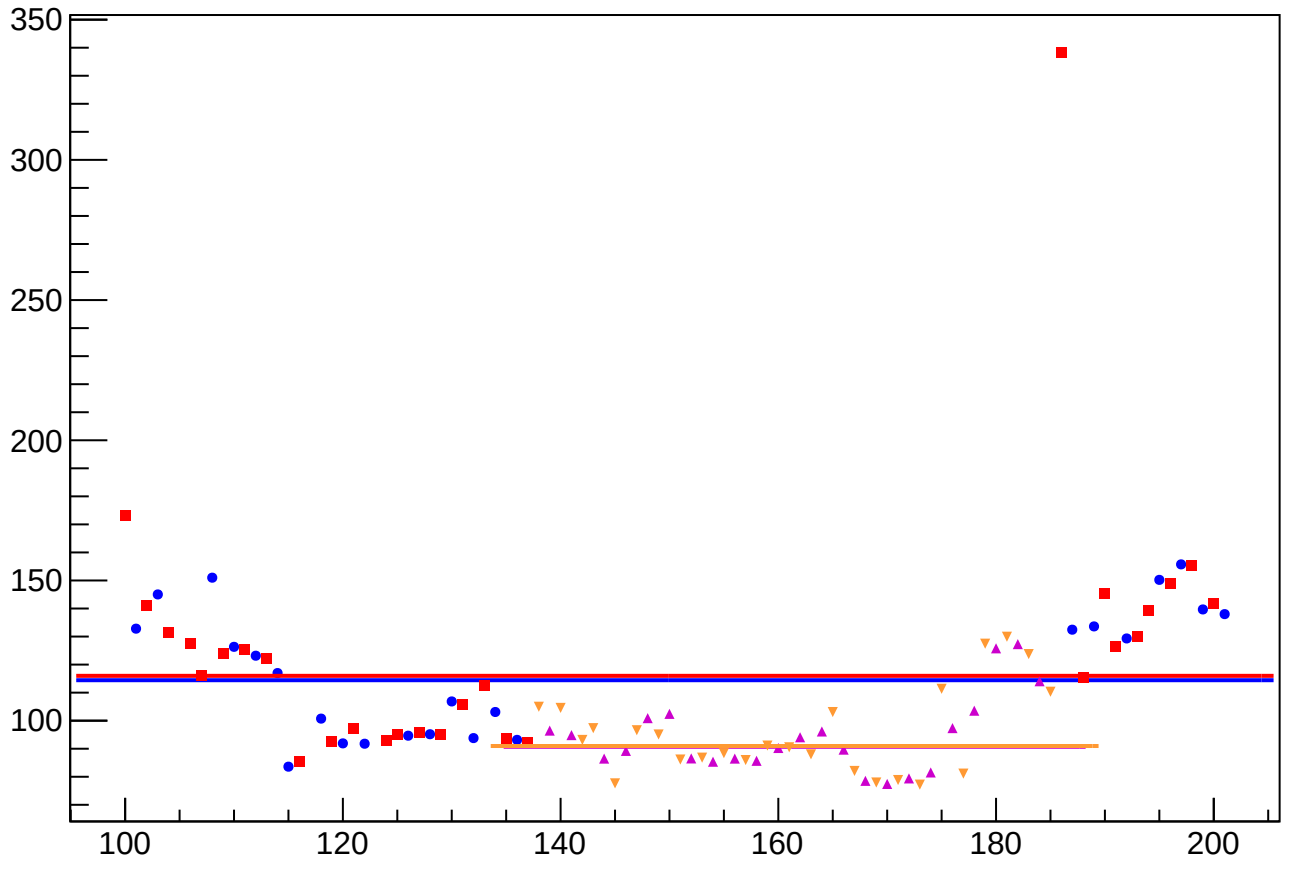
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

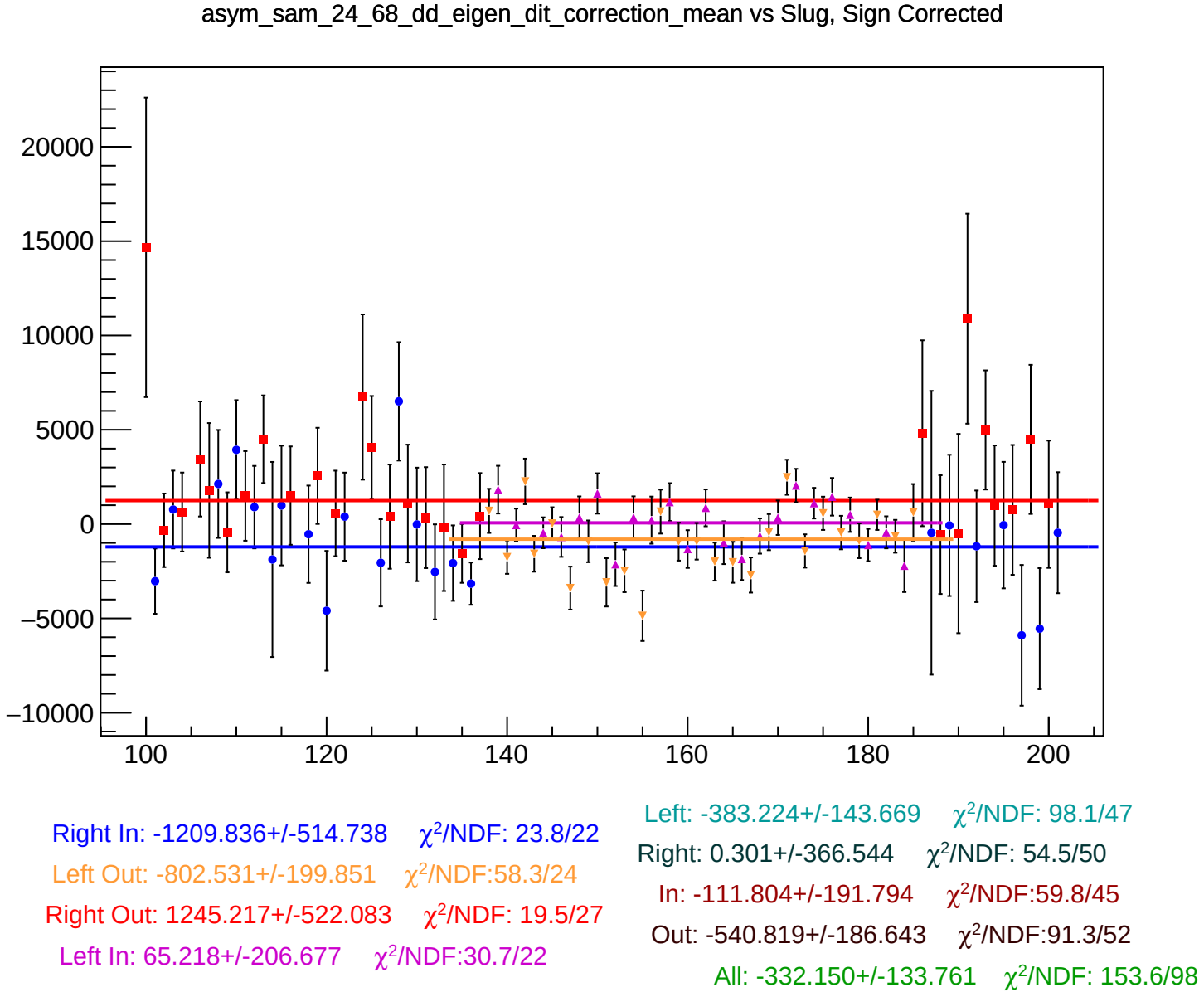
Right: 106.650+/-23.192 χ^2/NDF: 50.8/50

In: 43.448+/-18.071 χ^2/NDF:45.8/45

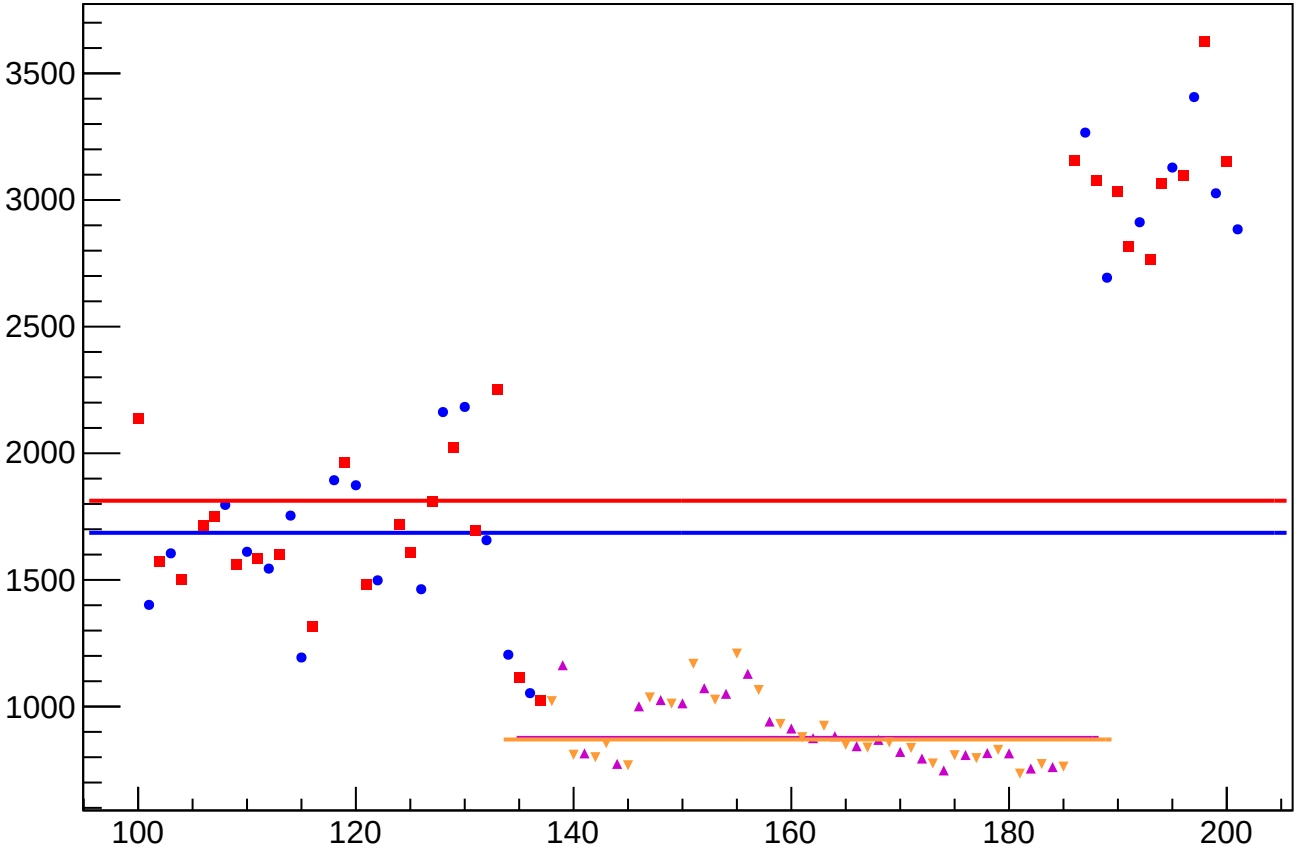
Out: 14.968+/-17.595 χ^2/NDF:74.4/52

All: 28.828+/-12.606 χ^2/NDF: 121.4/98


eigen_dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 114.431+/-0.024 χ²/NDF: 883674.2/22
Left Out: 90.967+/-0.015 χ²/NDF:784529.9/24
Right Out: 115.993+/-0.023 χ²/NDF: 1163927.1/27
Left In: 90.690+/-0.015 χ²/NDF:545960.7/22
Left: 90.832+/-0.011 χ²/NDF: 1330660.5/47
Right: 115.238+/-0.016 χ²/NDF: 2049867.0/50
In: 97.665+/-0.013 χ²/NDF:2145854.5/45
Out: 98.402+/-0.012 χ²/NDF:2793374.9/52
All: 98.043+/-0.009 χ²/NDF: 4940938.0/98


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: 1245.217+/-522.083 χ²/NDF: 19.5/27
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 0.301+/-366.544 χ²/NDF: 54.5/50
In: -111.804+/-191.794 χ²/NDF:59.8/45
Out: -540.819+/-186.643 χ²/NDF:91.3/52
All: -332.150+/-133.761 χ²/NDF: 153.6/98

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1812.643+/-0.369 χ^2/NDF: 3111219.4/27

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

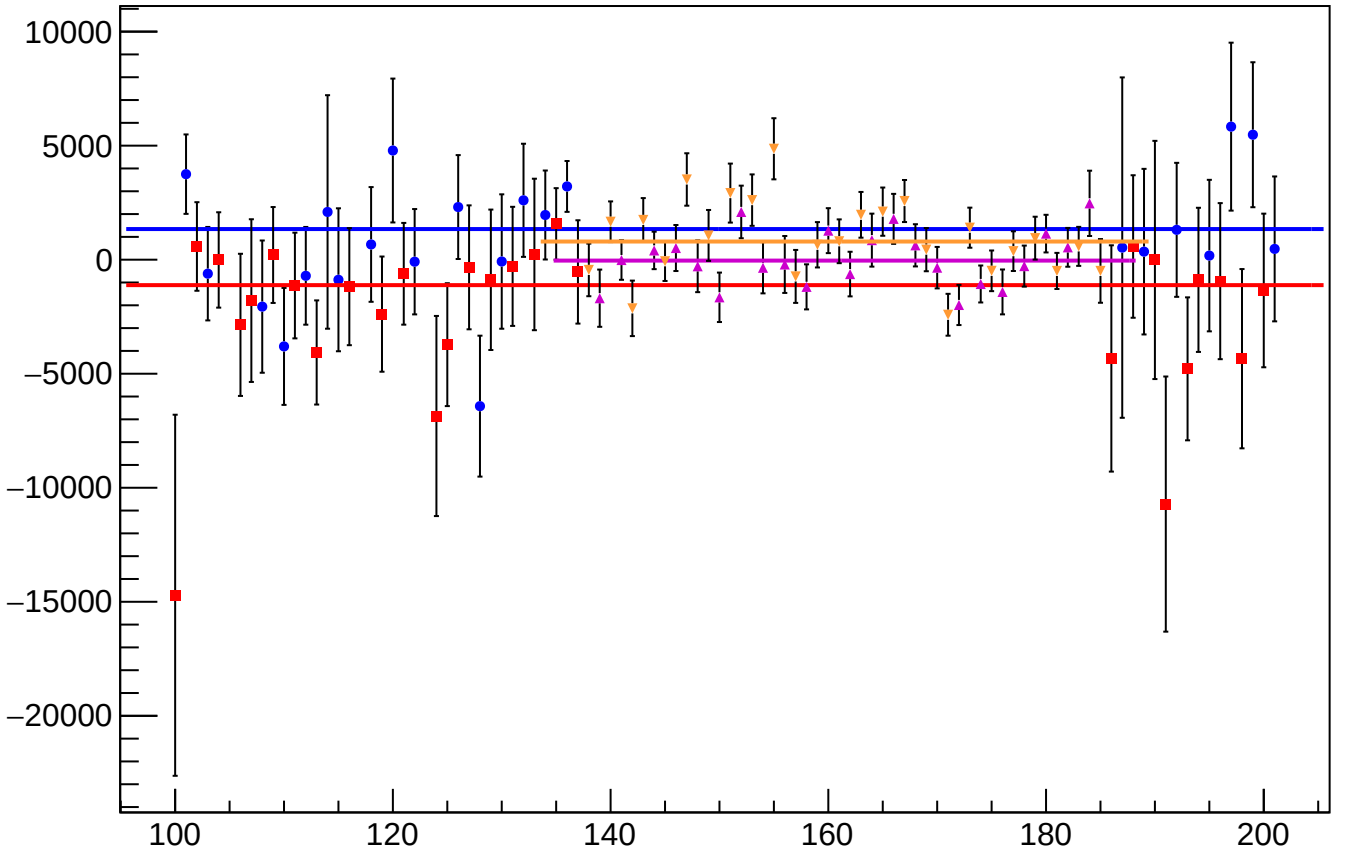
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1748.402+/-0.259 χ^2/NDF: 6195298.3/50

In: 988.684+/-0.136 χ^2/NDF:7883172.2/45

Out: 990.481+/-0.132 χ^2/NDF:9445097.5/52

All: 989.607+/-0.095 χ^2/NDF: 17328359.8/98



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: -1115.779+/-518.089 χ^2/NDF: 18.5/27

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

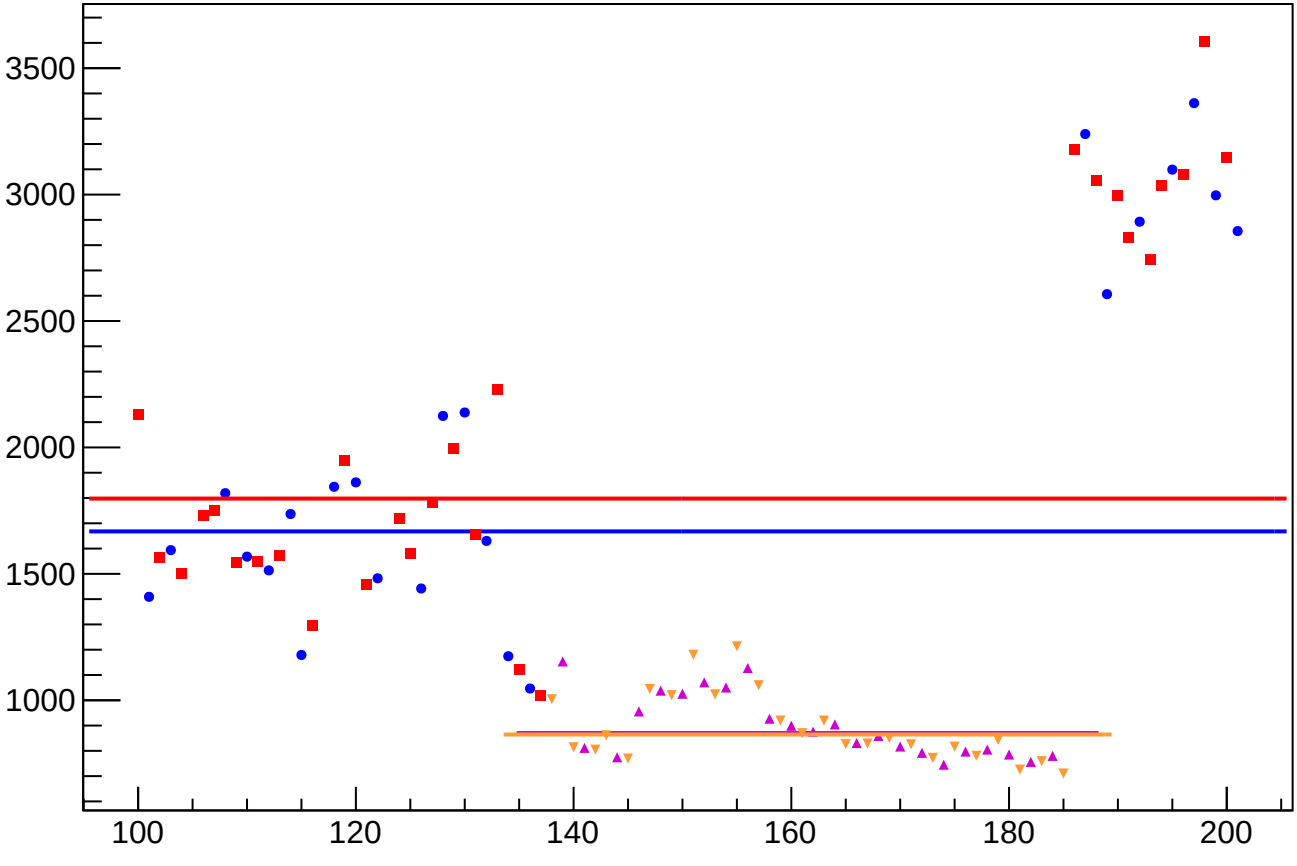
Right: 135.076+/-363.148 χ^2/NDF: 54.6/50

In: 153.730+/-190.444 χ^2/NDF:60.7/45

Out: 550.883+/-185.607 χ^2/NDF:87.5/52

All: 357.415+/-132.921 χ^2/NDF: 150.5/98

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: 1797.782+/-0.366 χ^2/NDF: 3111672.4/27

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

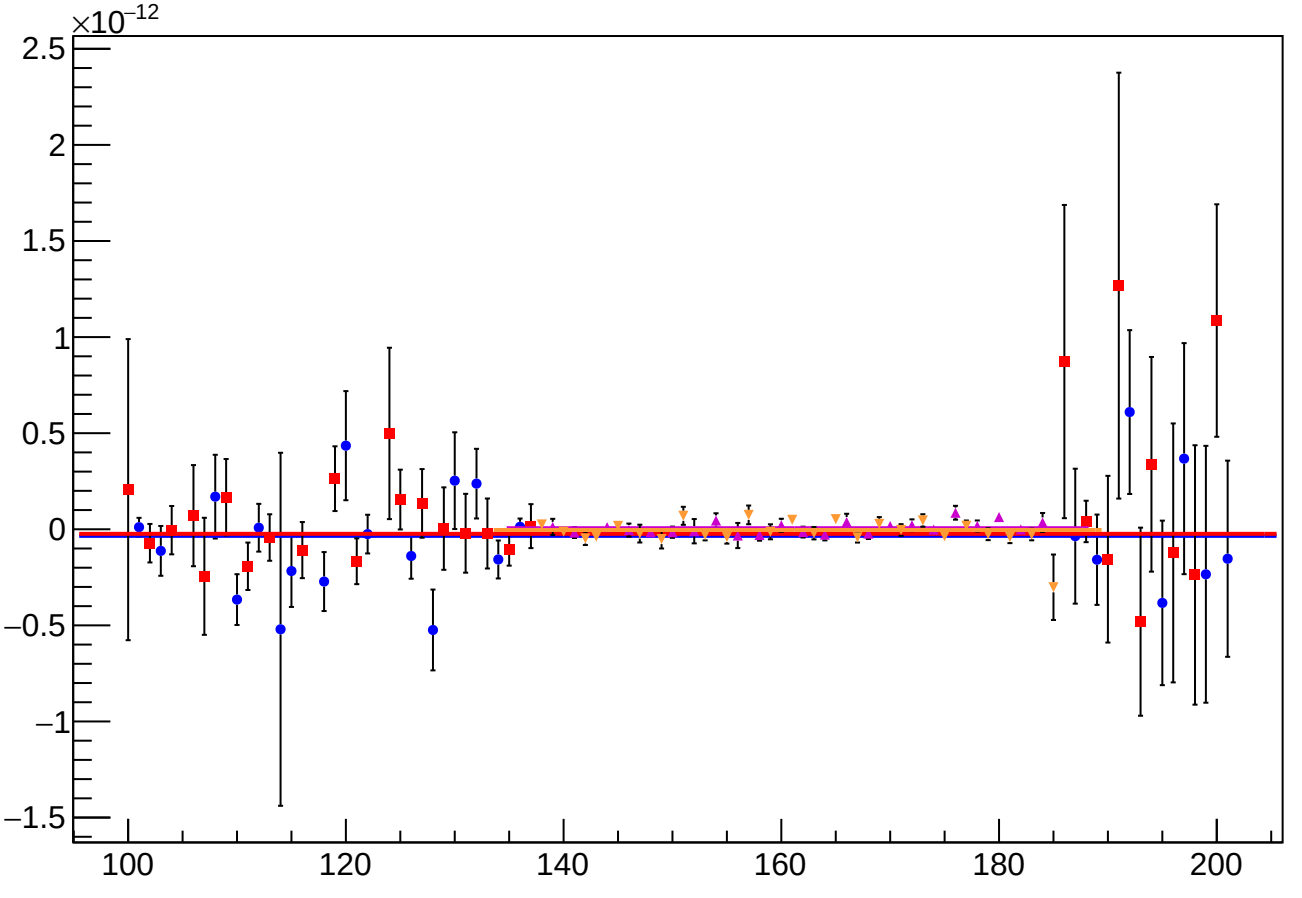
Right: 1731.703+/-0.257 χ^2/NDF: 6178174.4/50

In: 981.921+/-0.135 χ^2/NDF:7827504.3/45

Out: 984.401+/-0.131 χ^2/NDF:9456046.6/52

All: 983.193+/-0.094 χ^2/NDF: 17283724.9/98

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 20.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

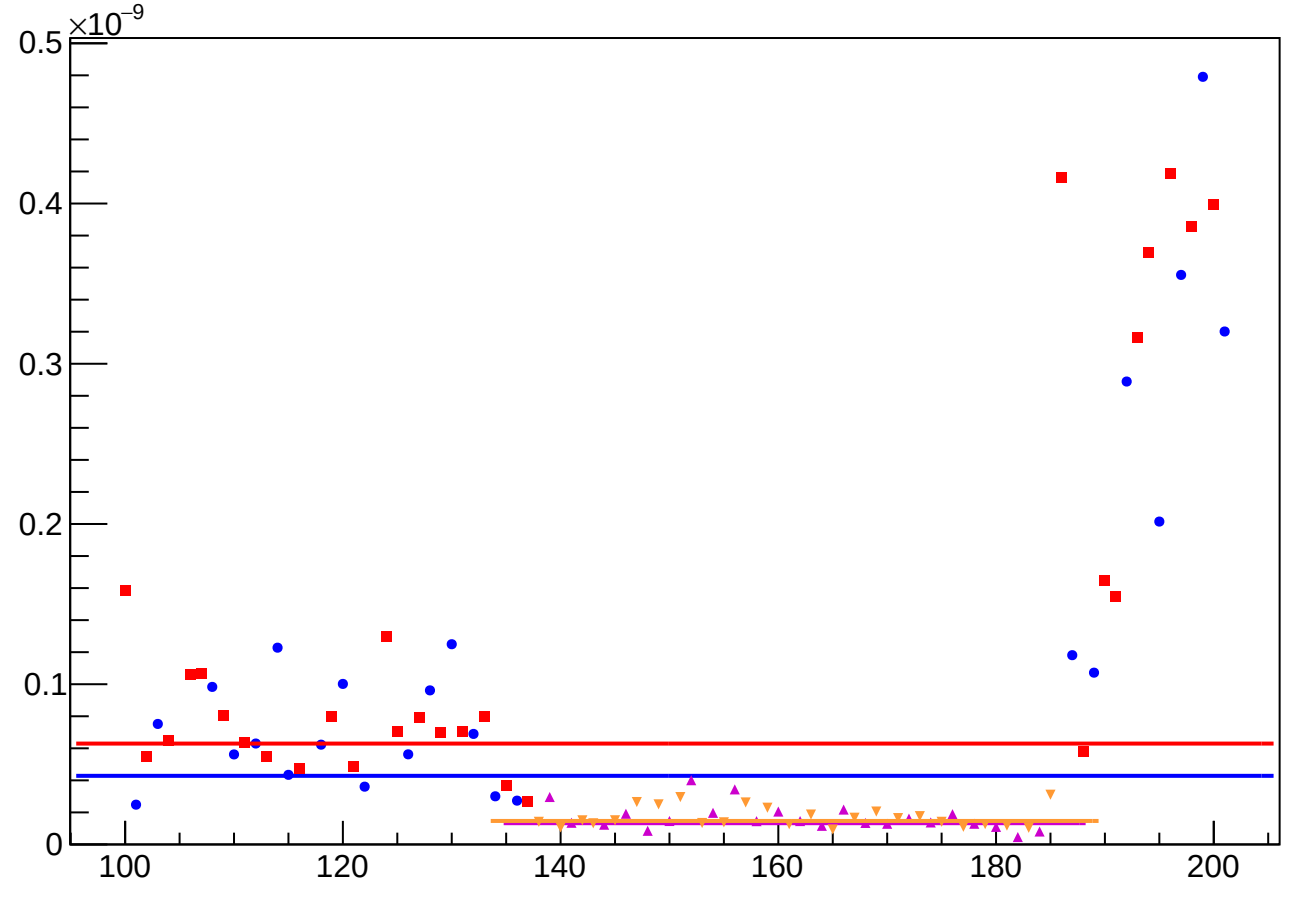
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.2/50

In: 0.000+/-0.000 χ^2/NDF:54.3/45

Out: -0.000+/-0.000 χ^2/NDF:60.0/52

All: -0.000+/-0.000 χ^2/NDF: 115.2/98



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: 3998797.1/27

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

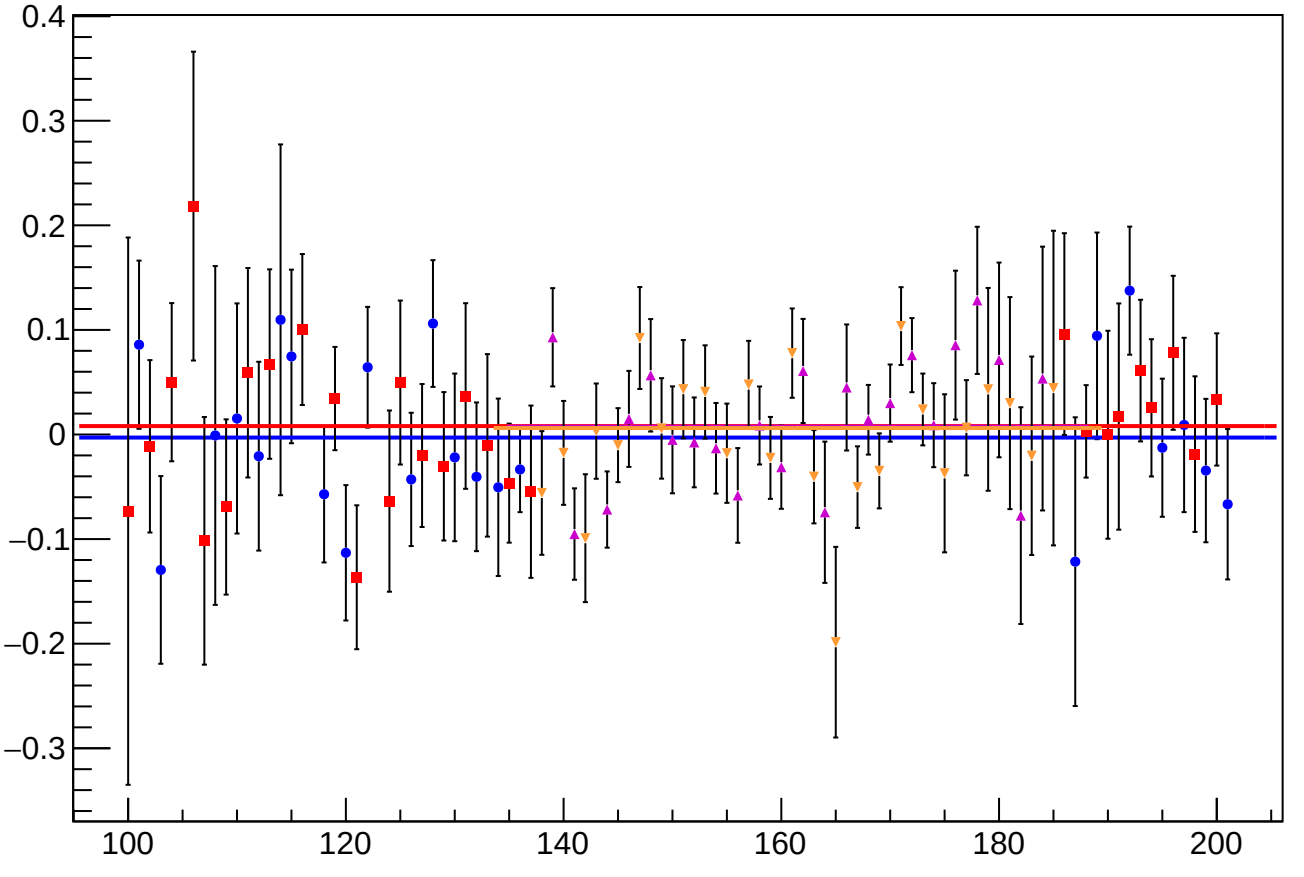
Right: 0.000+/-0.000 χ^2/NDF: 9106354.5/50

In: 0.000+/-0.000 χ^2/NDF:9286380.7/45

Out: 0.000+/-0.000 χ^2/NDF:9504658.3/52

All: 0.000+/-0.000 χ^2/NDF: 18848125.6/98

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

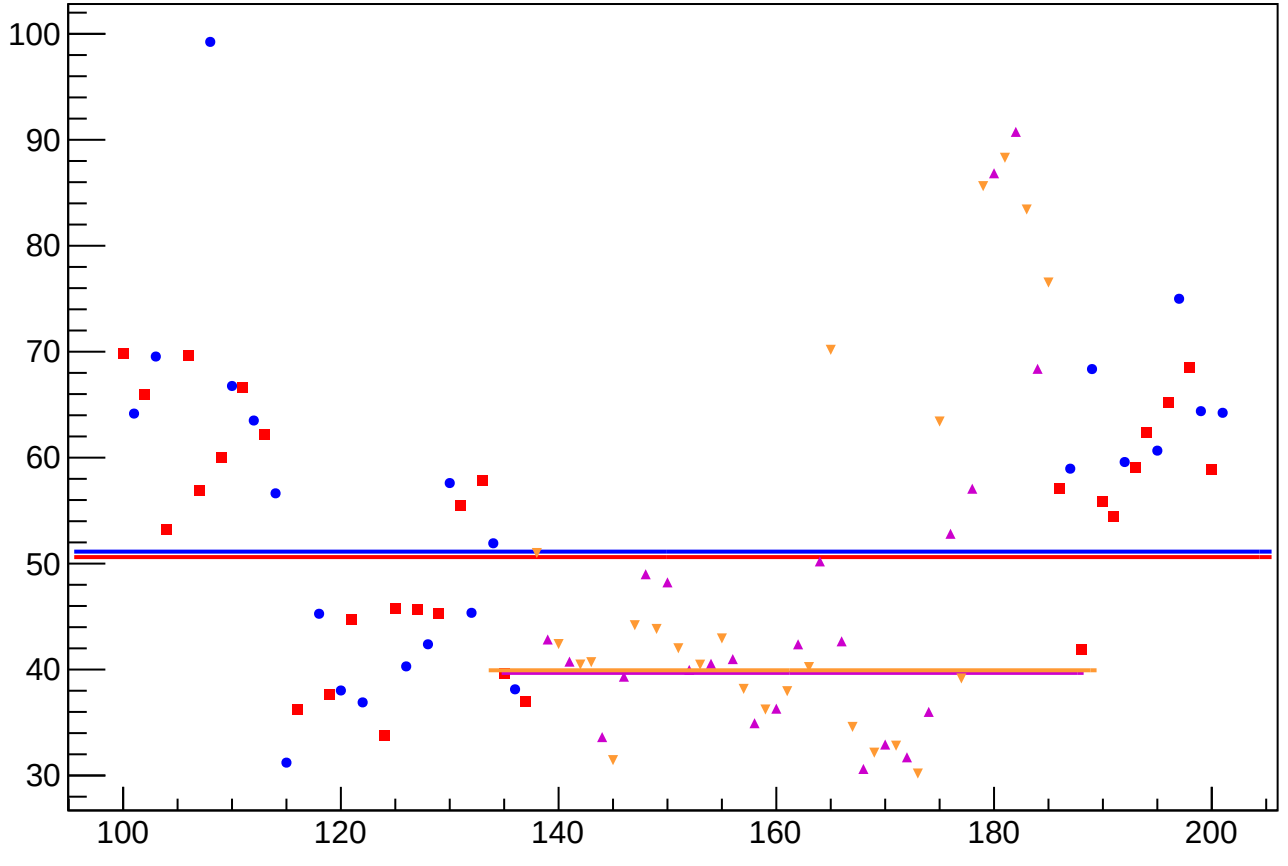
Right: 0.003+/-0.010 χ^2/NDF: 39.7/50

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 101.1/98

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: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

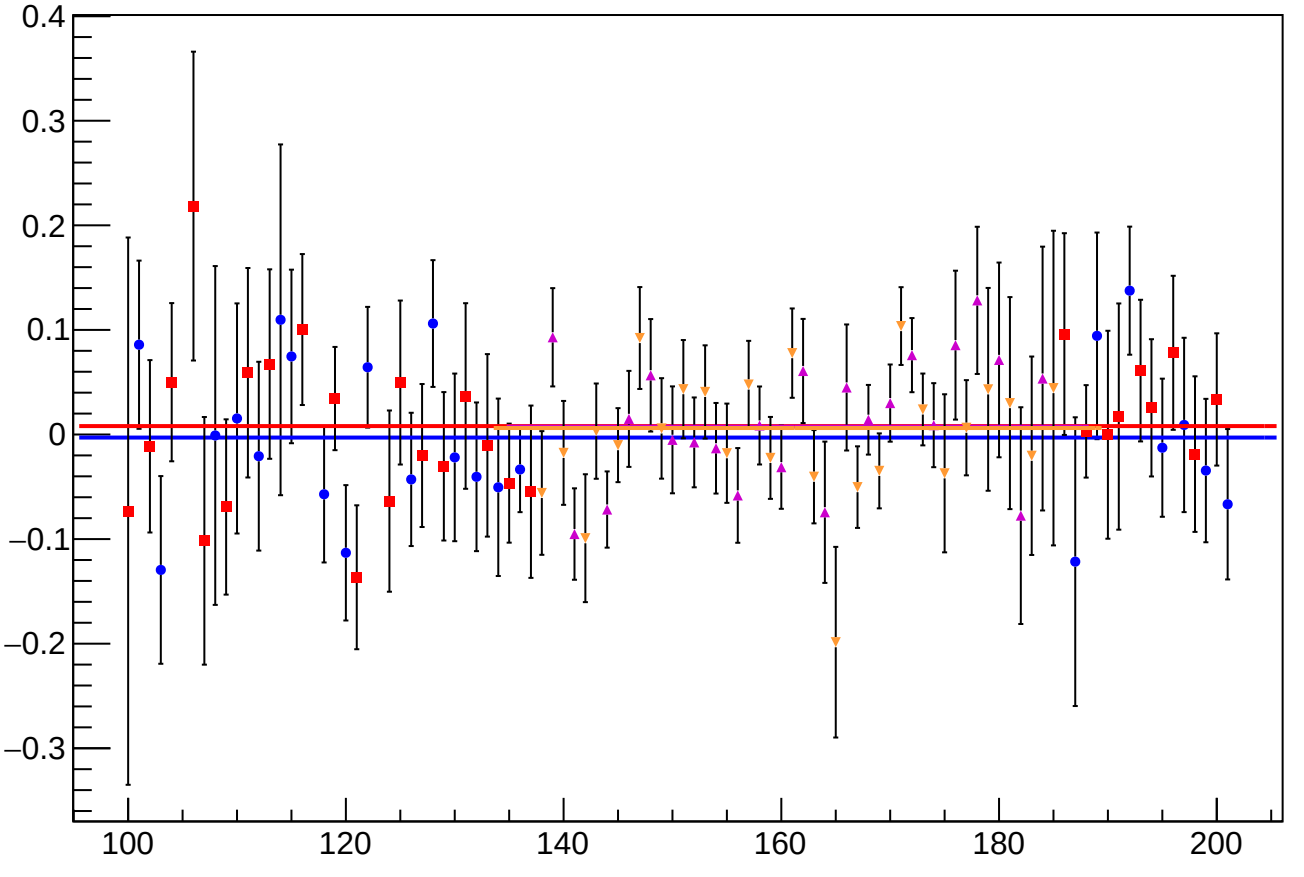
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.854+/-0.007 χ^2/NDF: 2644105.2/50

In: 43.013+/-0.006 χ^2/NDF:4222306.0/45

Out: 43.252+/-0.006 χ^2/NDF:4383788.0/52

All: 43.137+/-0.004 χ^2/NDF: 8606969.9/98



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: 0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

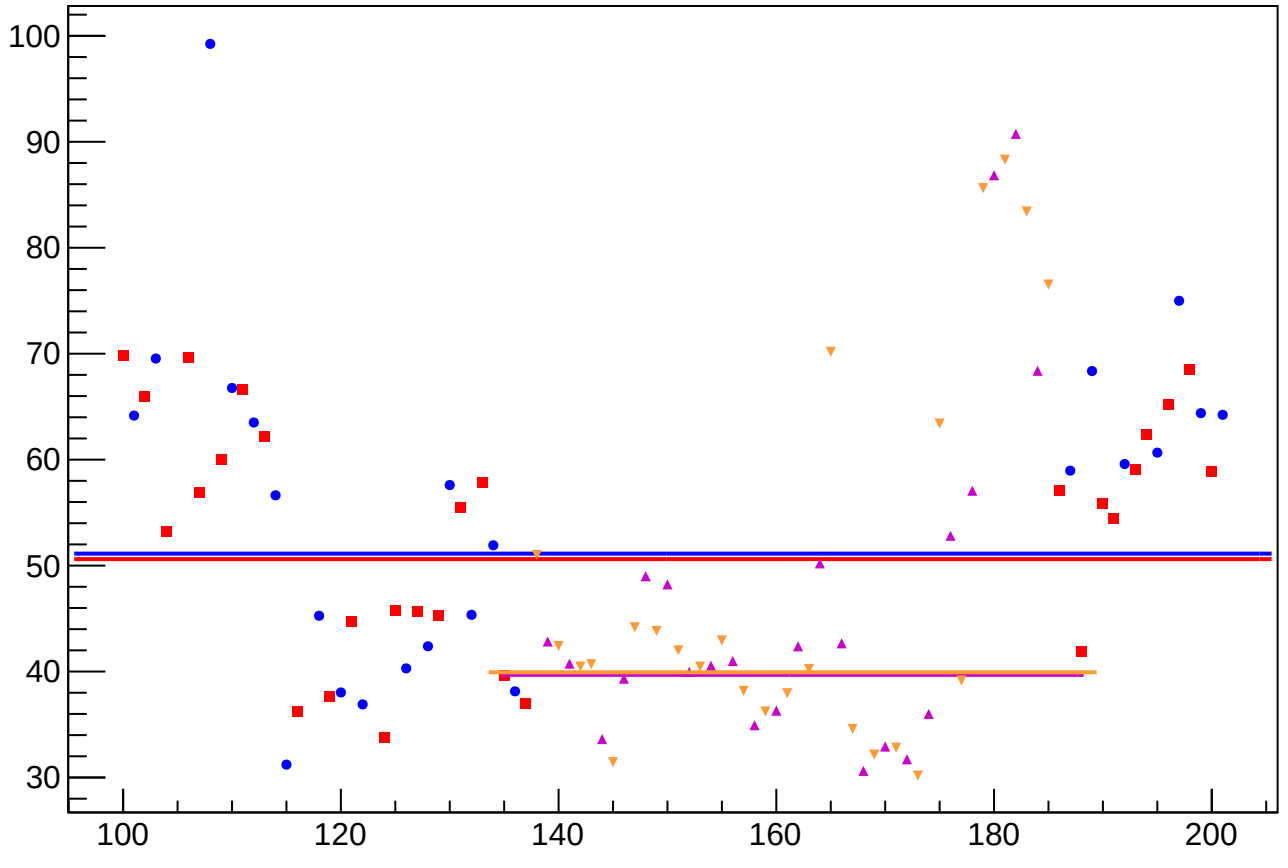
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.003+/-0.010 χ^2/NDF: 39.7/50

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 101.1/98



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: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

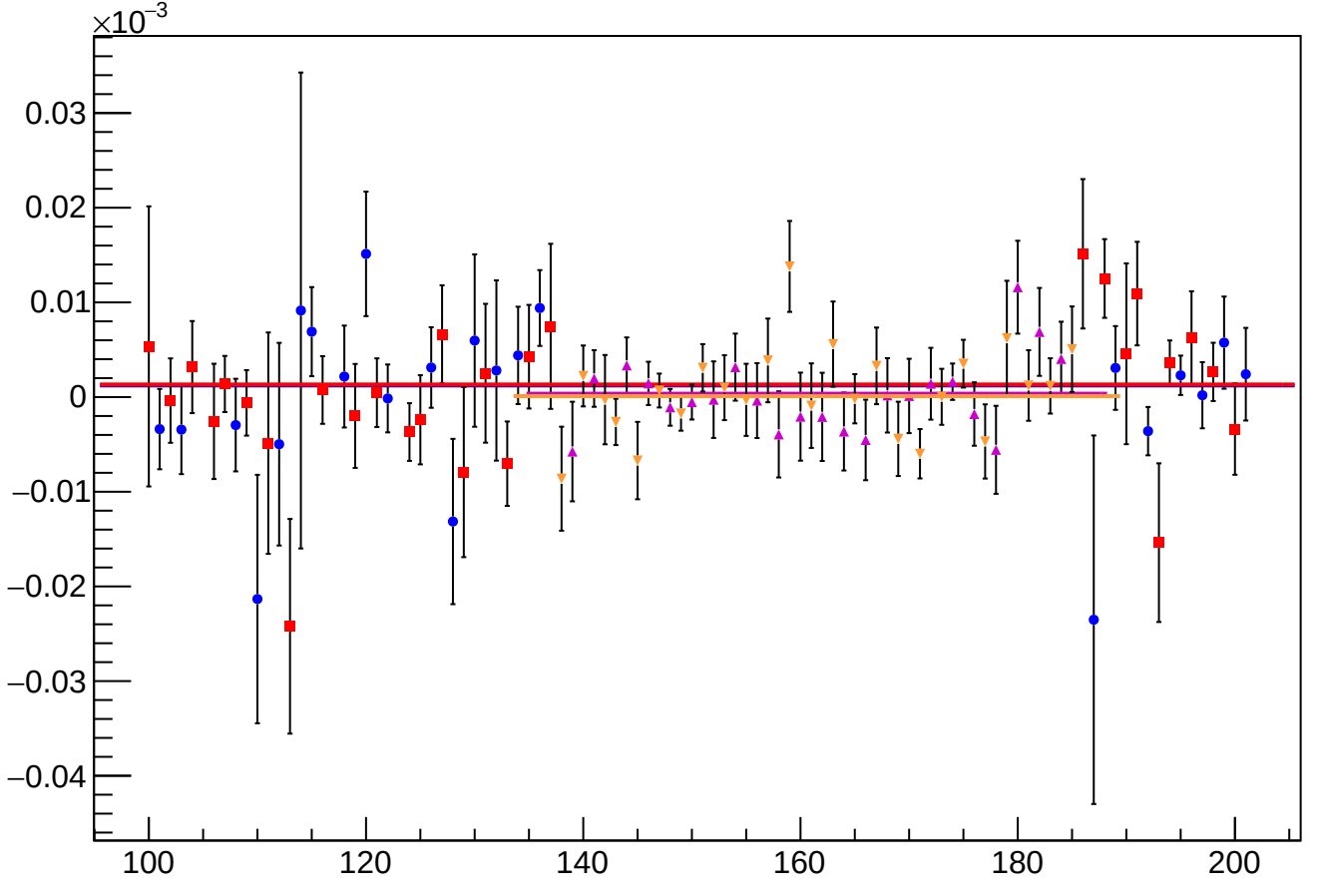
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.854+/-0.007 χ^2/NDF: 2644105.2/50

In: 43.013+/-0.006 χ^2/NDF:4222306.0/45

Out: 43.252+/-0.006 χ^2/NDF:4383788.0/52

All: 43.137+/-0.004 χ^2/NDF: 8606969.9/98



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: 37.3/27

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

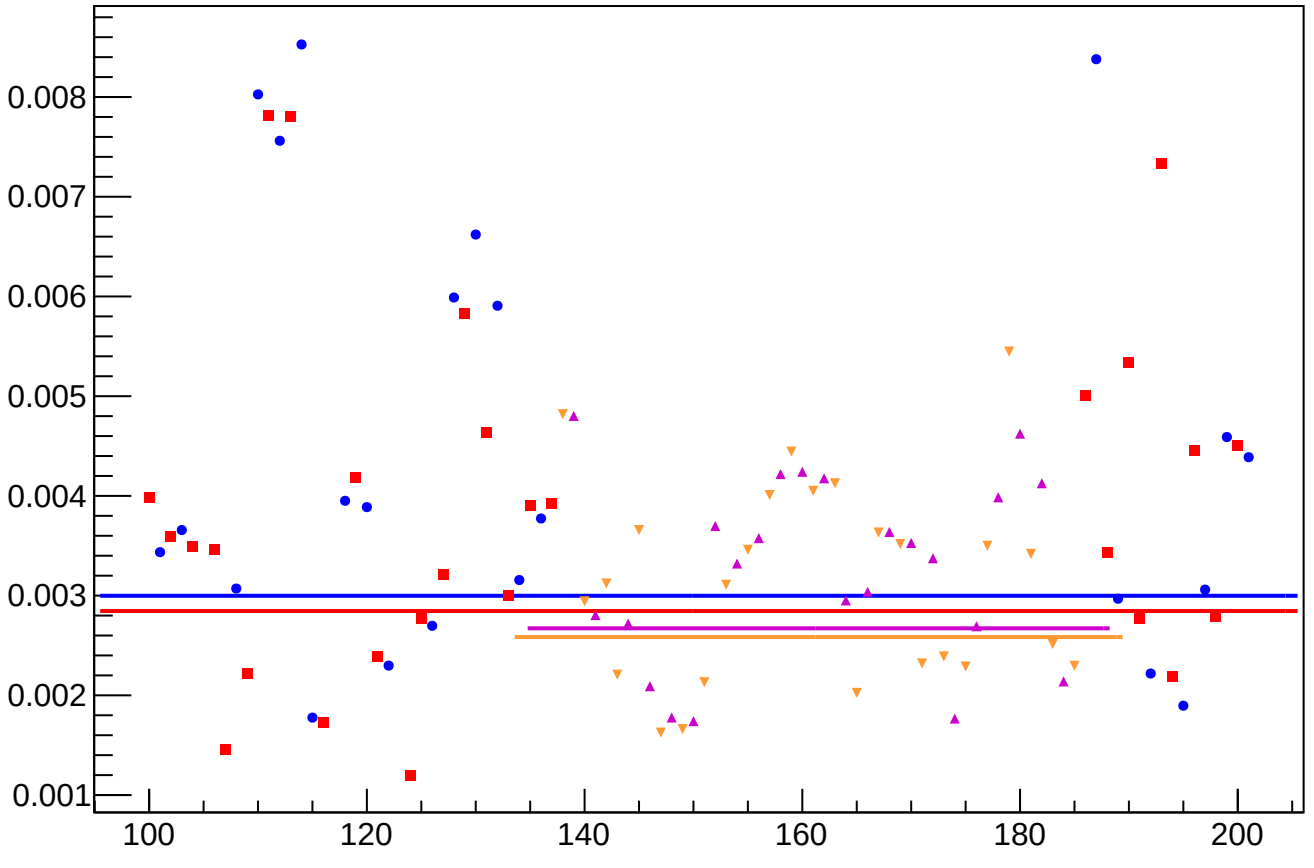
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 64.1/50

In: 0.000+/-0.000 χ^2/NDF:46.1/45

Out: 0.000+/-0.000 χ^2/NDF:71.8/52

All: 0.000+/-0.000 χ^2/NDF: 117.9/98



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: 4272207.9/27

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

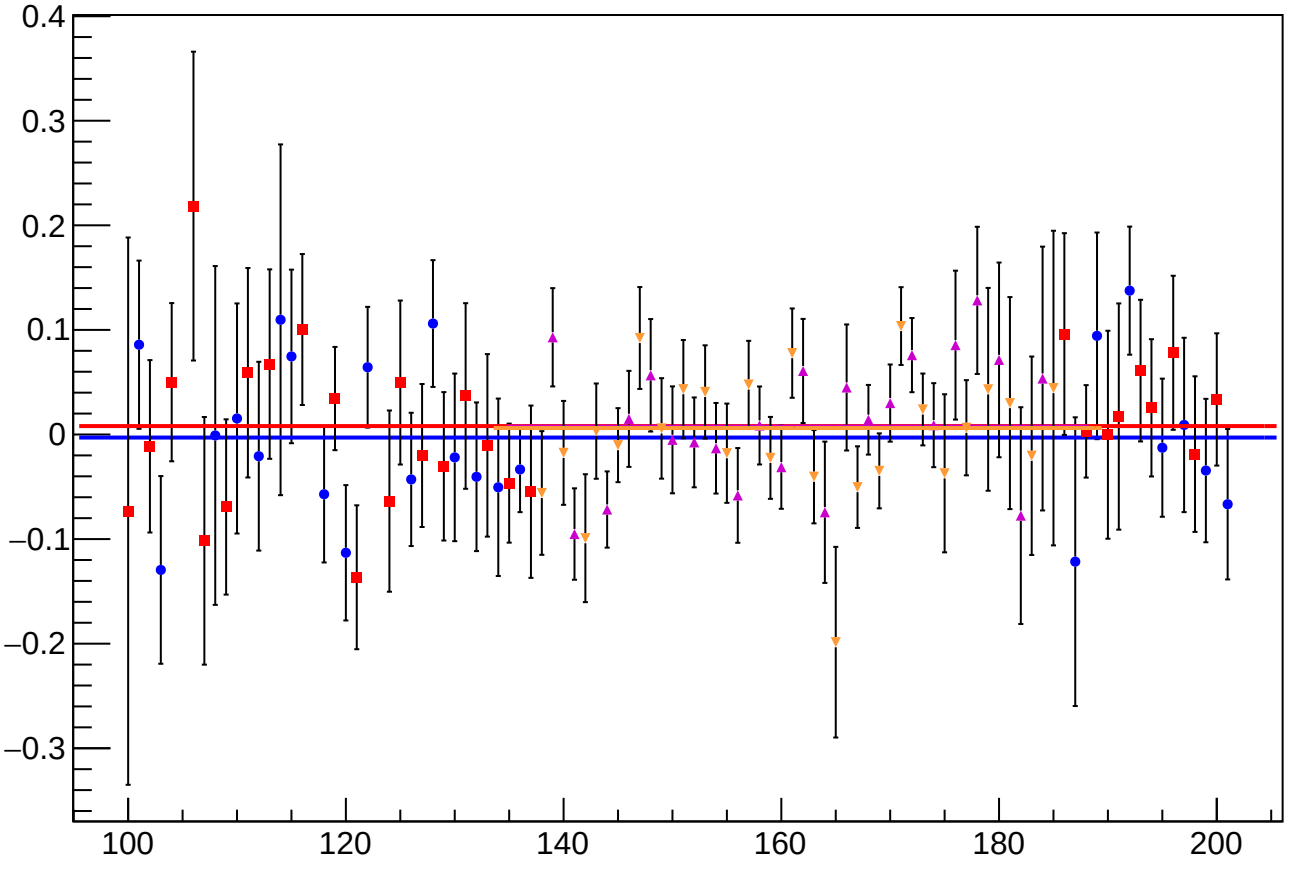
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 7528613.8/50

In: 0.003+/-0.000 χ^2/NDF:7213569.3/45

Out: 0.003+/-0.000 χ^2/NDF:8285402.2/52

All: 0.003+/-0.000 χ^2/NDF: 15540430.2/98



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: 0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

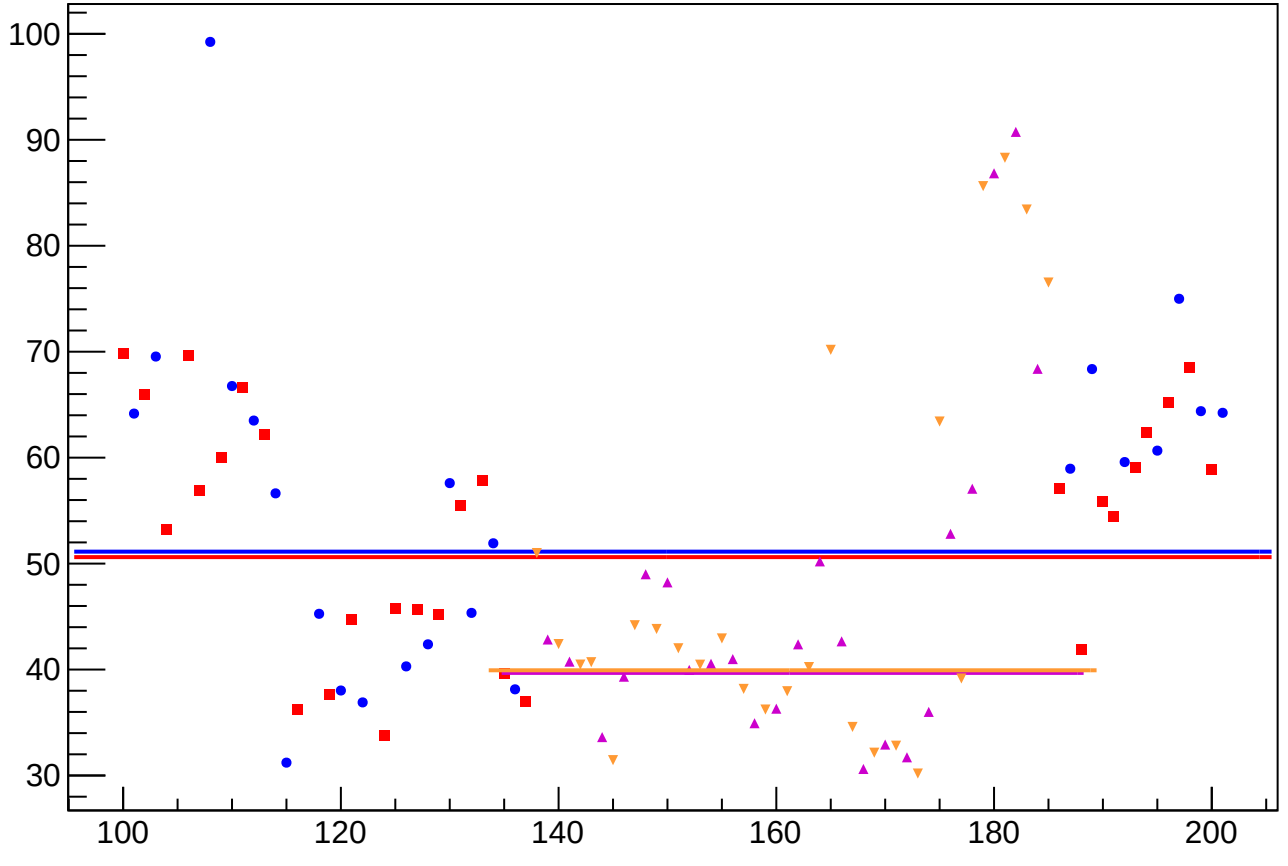
Right: 0.003+/-0.010 χ^2/NDF: 39.7/50

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 101.1/98

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: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

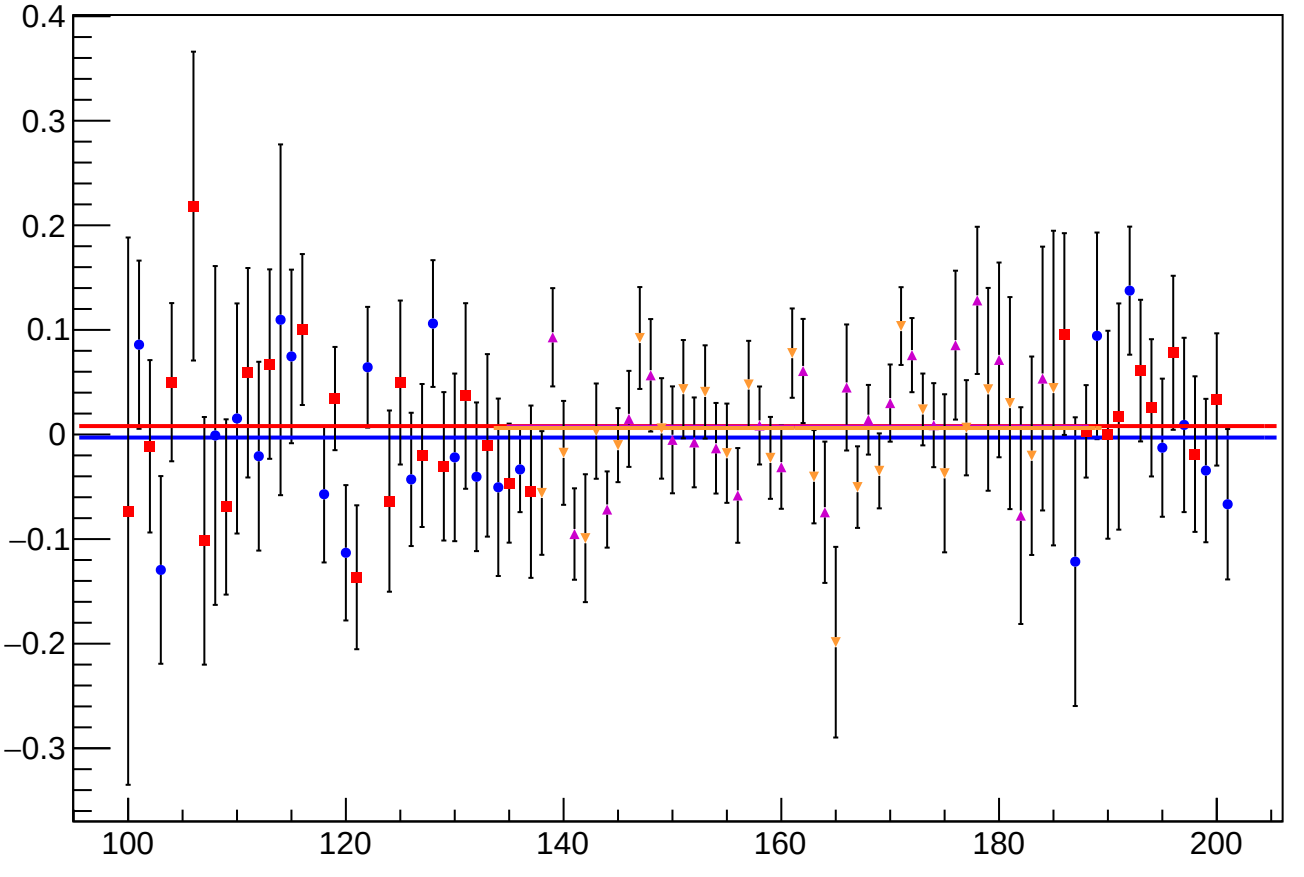
Right: 50.853+/-0.007 χ^2/NDF: 2644163.4/50

In: 43.012+/-0.006 χ^2/NDF:4222239.4/45

Out: 43.252+/-0.006 χ^2/NDF:4383729.3/52

All: 43.137+/-0.004 χ^2/NDF: 8606847.3/98

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.008+/-0.014 χ^2/NDF: 17.0/27

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

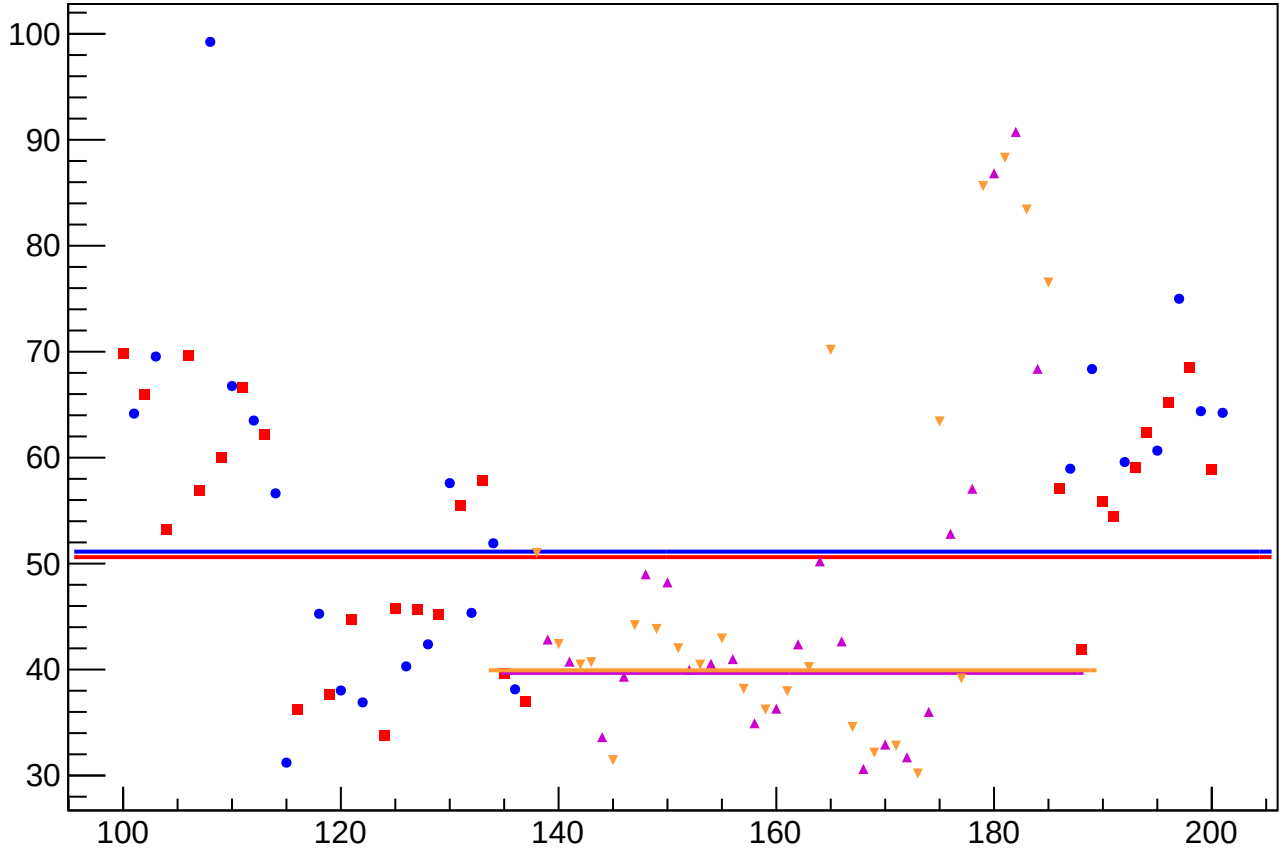
Right: 0.003+/-0.010 χ^2/NDF: 39.7/50

In: 0.004+/-0.008 χ^2/NDF:53.2/45

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 101.1/98

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: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

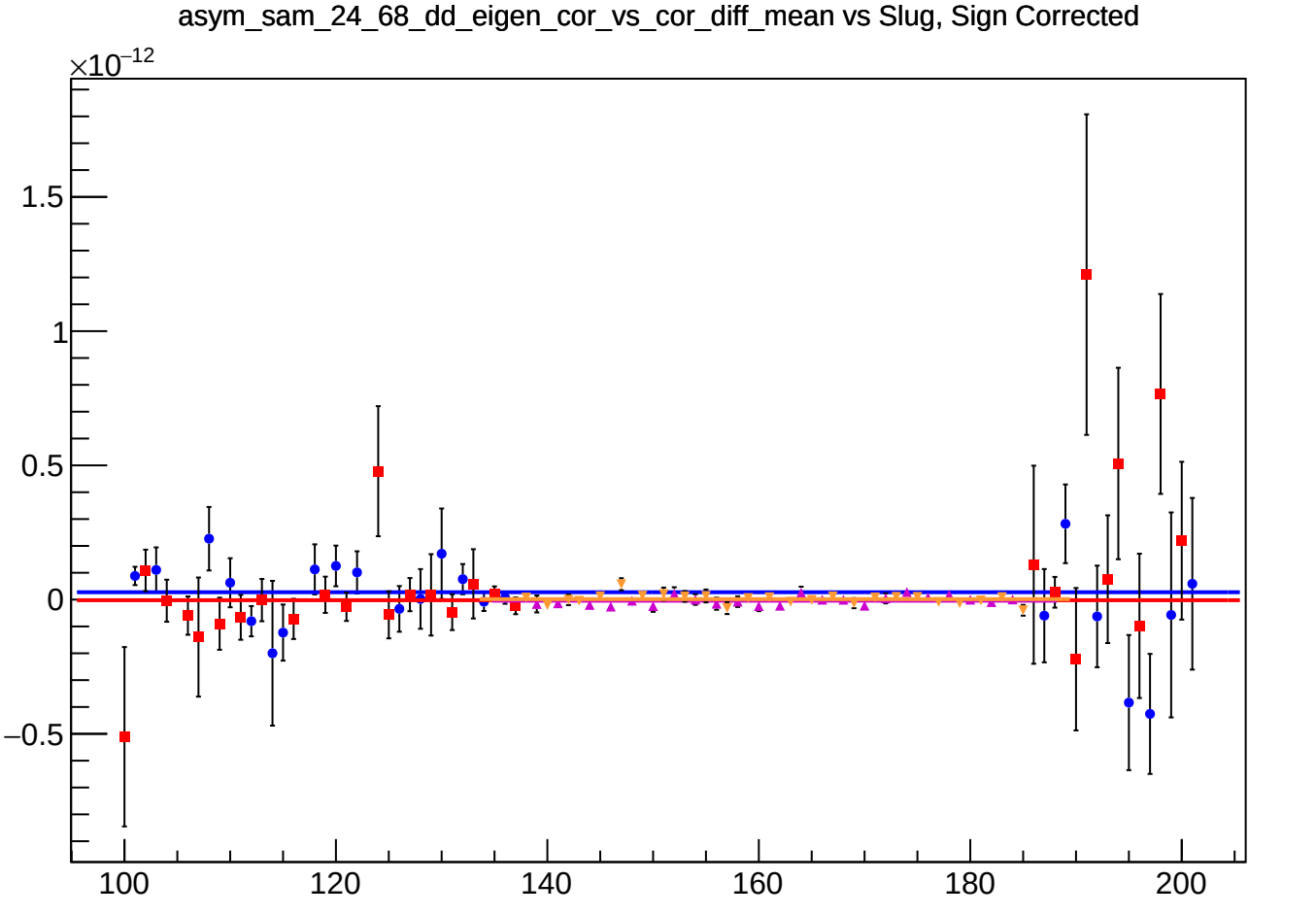
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.853+/-0.007 χ^2/NDF: 2644163.4/50

In: 43.012+/-0.006 χ^2/NDF:4222239.4/45

Out: 43.252+/-0.006 χ^2/NDF:4383729.3/52

All: 43.137+/-0.004 χ^2/NDF: 8606847.3/98



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: 26.7/27

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

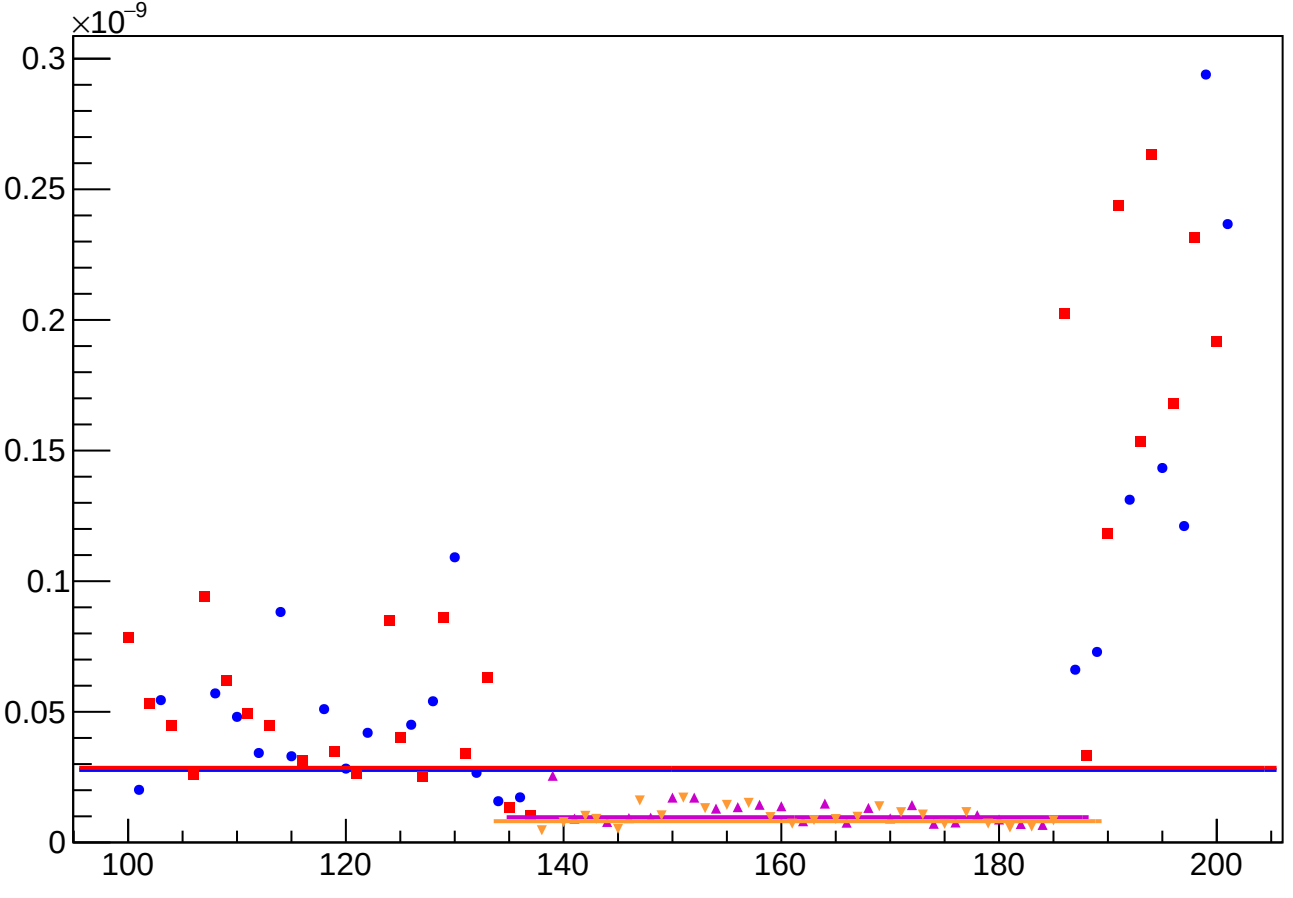
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 60.3/50

In: -0.000+/-0.000 χ^2/NDF:64.1/45

Out: 0.000+/-0.000 χ^2/NDF:54.7/52

All: -0.000+/-0.000 χ^2/NDF: 119.8/98



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: 6985792.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

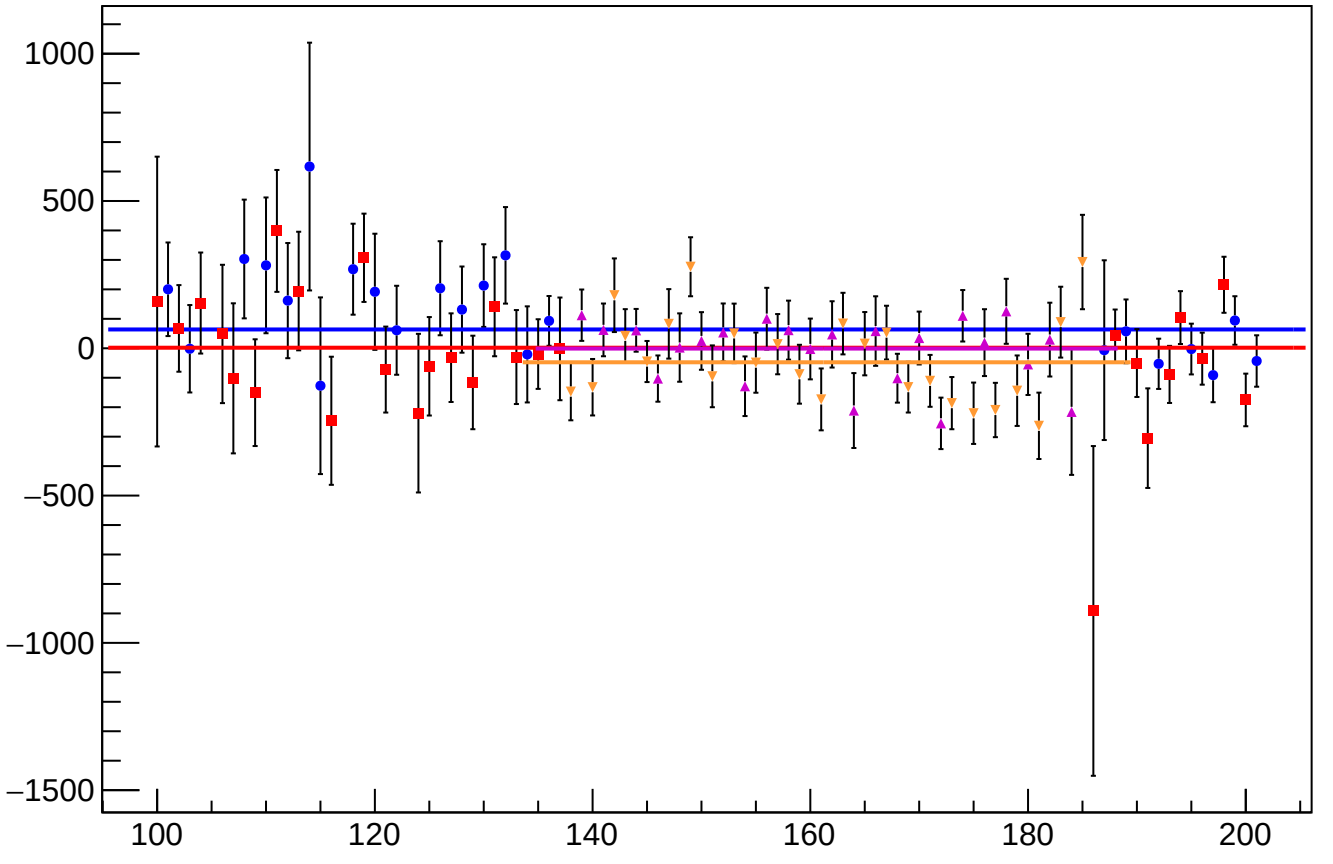
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12658307.0/50

In: 0.000+/-0.000 χ^2/NDF:11282347.4/45

Out: 0.000+/-0.000 χ^2/NDF:13570088.7/52

All: 0.000+/-0.000 χ^2/NDF: 25243704.6/98



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: 1.929+/-26.213 χ^2/NDF: 32.1/27

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

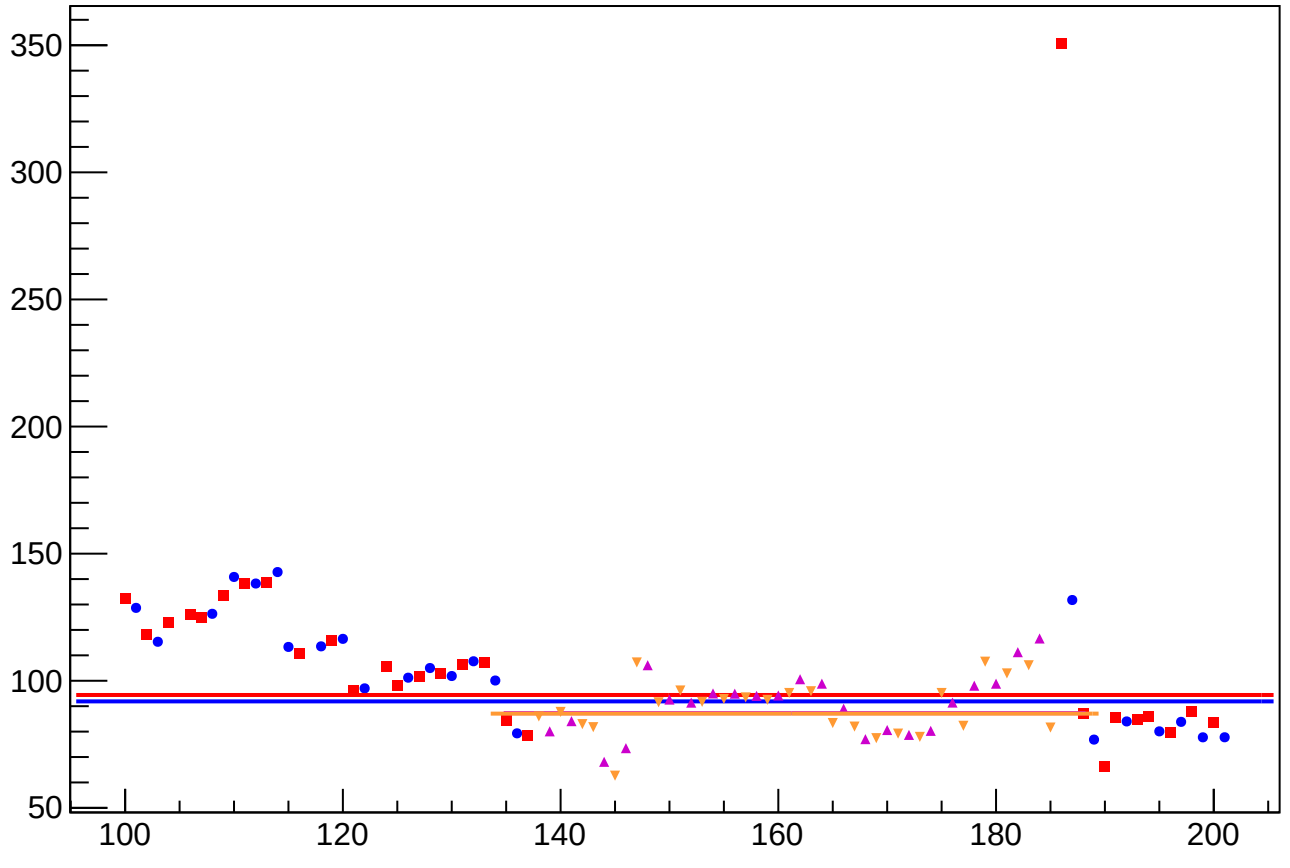
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 32.319+/-18.713 χ^2/NDF: 54.5/50

In: 23.206+/-16.317 χ^2/NDF:48.8/45

Out: -29.347+/-15.892 χ^2/NDF:78.3/52

All: -3.765+/-11.385 χ^2/NDF: 132.4/98



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: 94.408+/-0.019 χ^2/NDF: 1279345.6/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

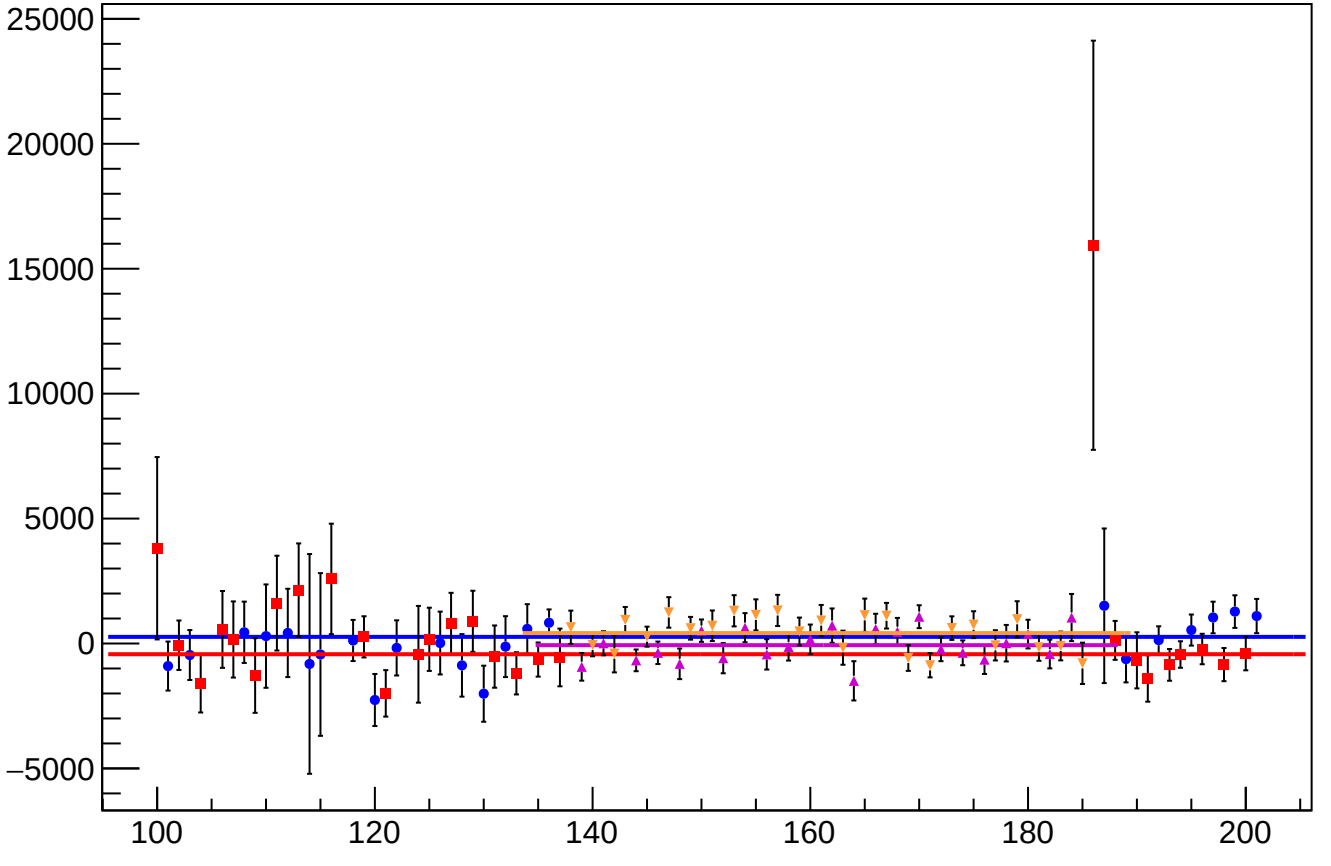
Right: 93.173+/-0.013 χ^2/NDF: 2173846.8/50

In: 88.984+/-0.012 χ^2/NDF:1518936.4/45

Out: 89.768+/-0.011 χ^2/NDF:1999037.3/52

All: 89.386+/-0.008 χ^2/NDF: 3520345.7/98

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: -428.835+/-180.954 χ^2/NDF: 21.8/27

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

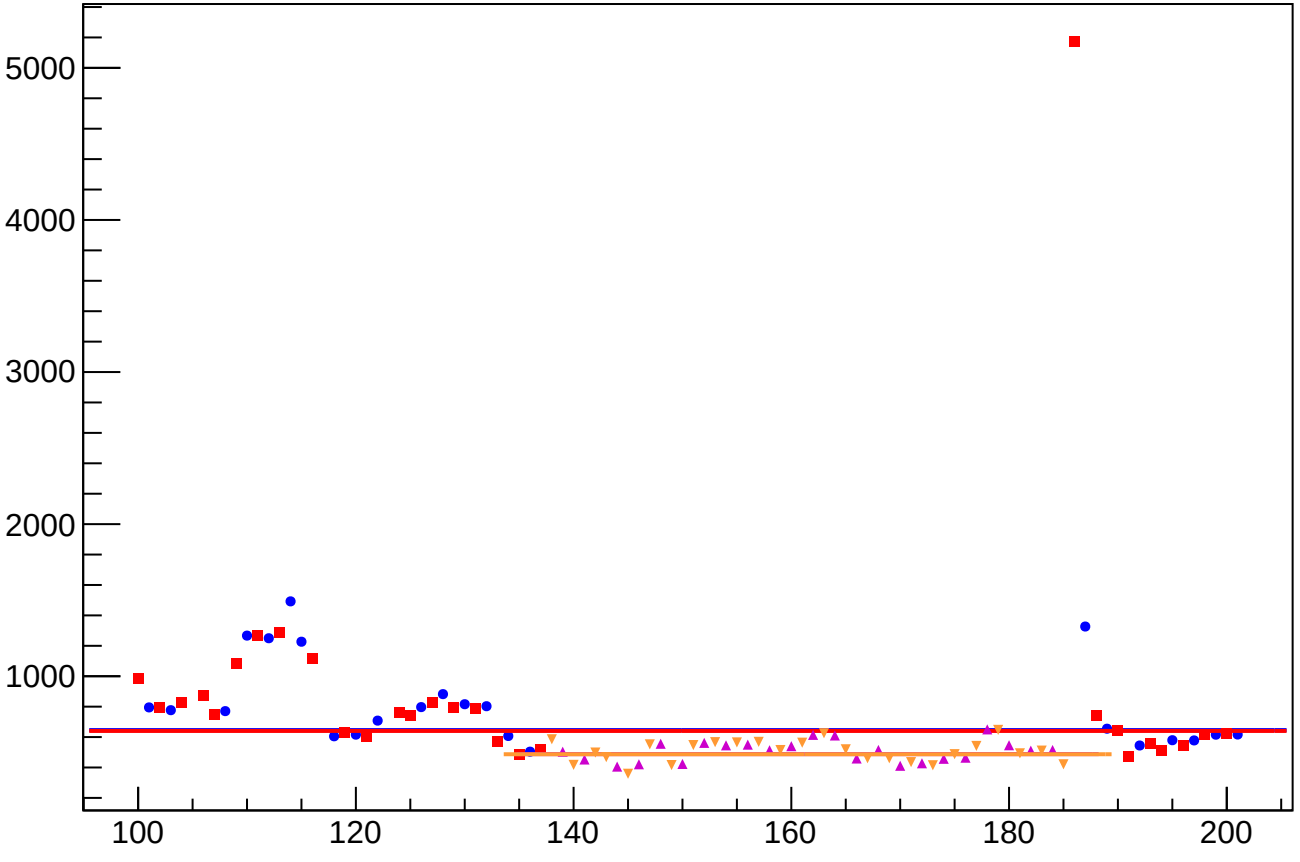
Right: -96.978+/-130.771 χ^2/NDF: 50.0/50

In: 23.499+/-98.532 χ^2/NDF:50.9/45

Out: 181.289+/-95.441 χ^2/NDF:70.0/52

All: 104.908+/-68.553 χ^2/NDF: 122.2/98

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: 640.339+/-0.128 χ^2/NDF: 2095460.6/27

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

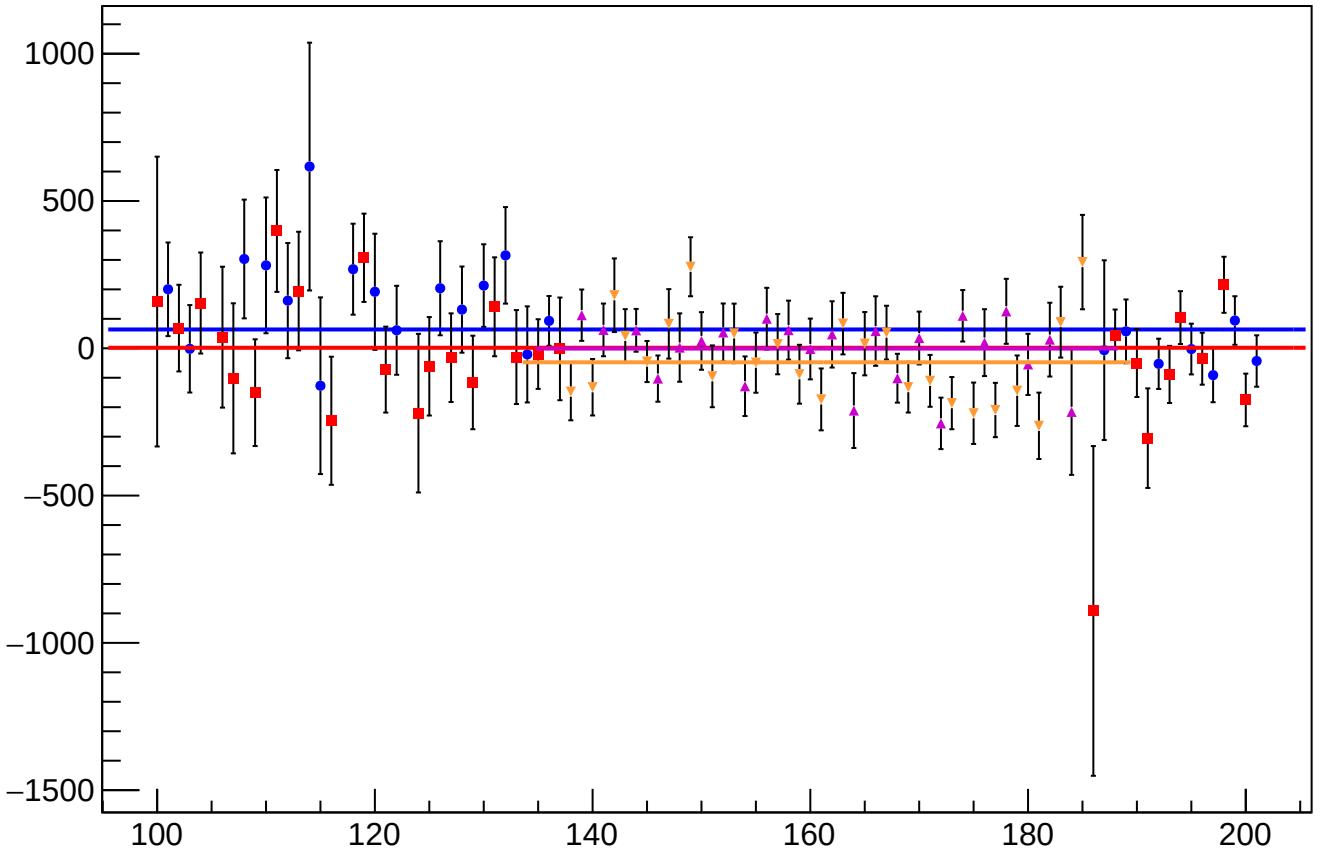
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 642.985+/-0.092 χ^2/NDF: 3302487.5/50

In: 530.768+/-0.070 χ^2/NDF:2856224.6/45

Out: 529.714+/-0.067 χ^2/NDF:3952267.3/52

All: 530.225+/-0.048 χ^2/NDF: 6808610.1/98



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: 1.808+/-26.219 χ^2/NDF: 32.1/27

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

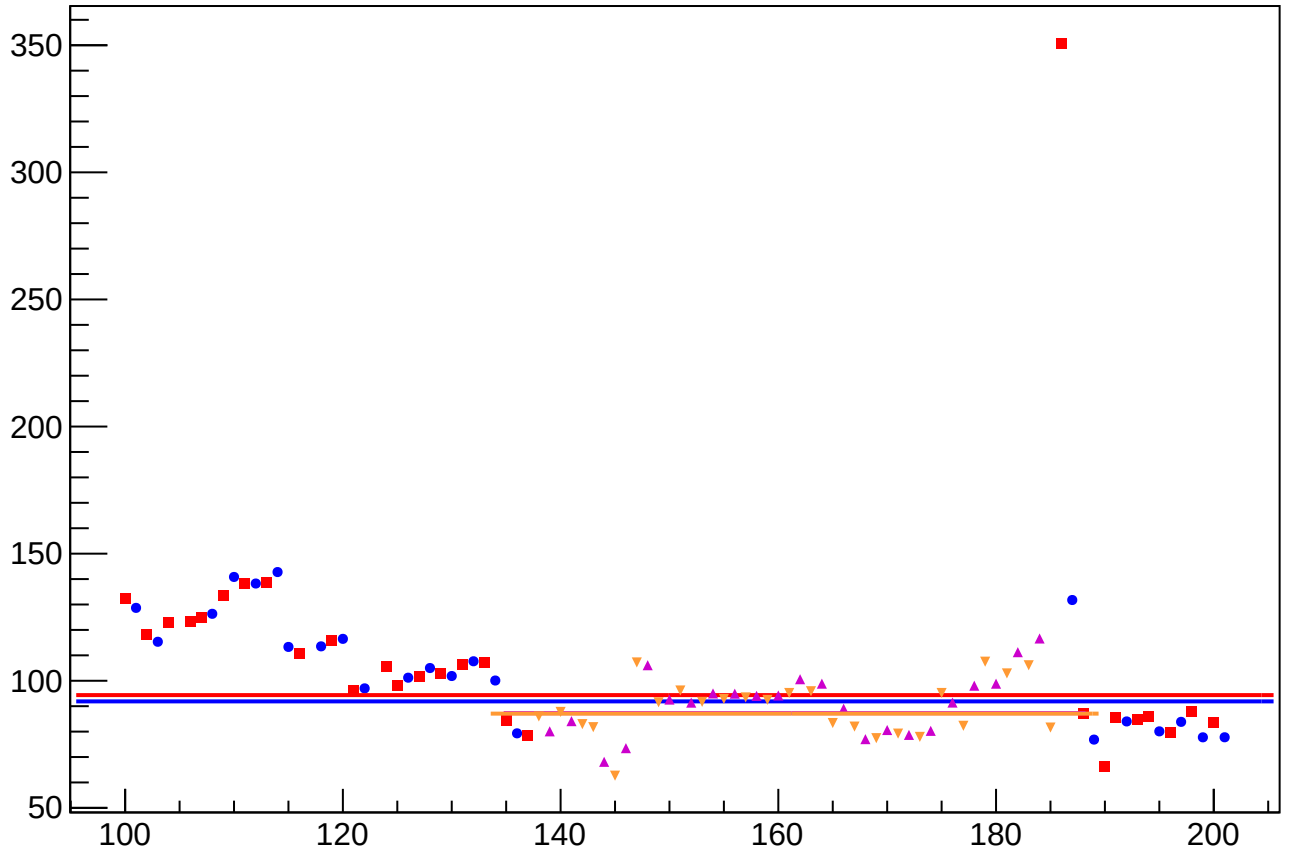
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 32.261+/-18.716 χ^2/NDF: 54.5/50

In: 23.202+/-16.317 χ^2/NDF:48.8/45

Out: -29.402+/-15.893 χ^2/NDF:78.3/52

All: -3.793+/-11.385 χ^2/NDF: 132.4/98



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: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

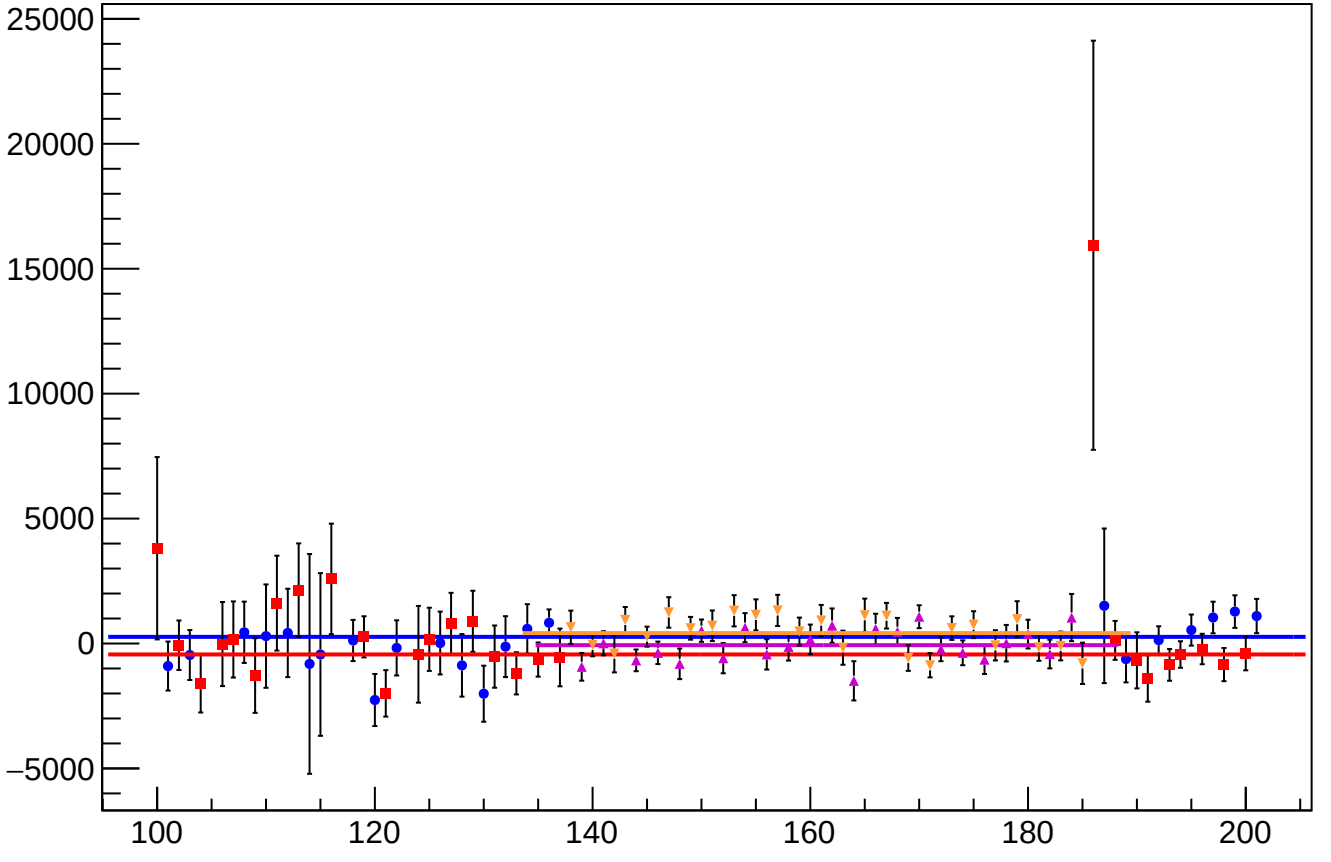
Right: 93.148+/-0.013 χ^2/NDF: 2166323.6/50

In: 88.984+/-0.012 χ^2/NDF:1518936.8/45

Out: 89.750+/-0.011 χ^2/NDF:1990542.9/52

All: 89.377+/-0.008 χ^2/NDF: 3511742.0/98

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: -437.887+/-181.165 χ^2/NDF: 21.4/27

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

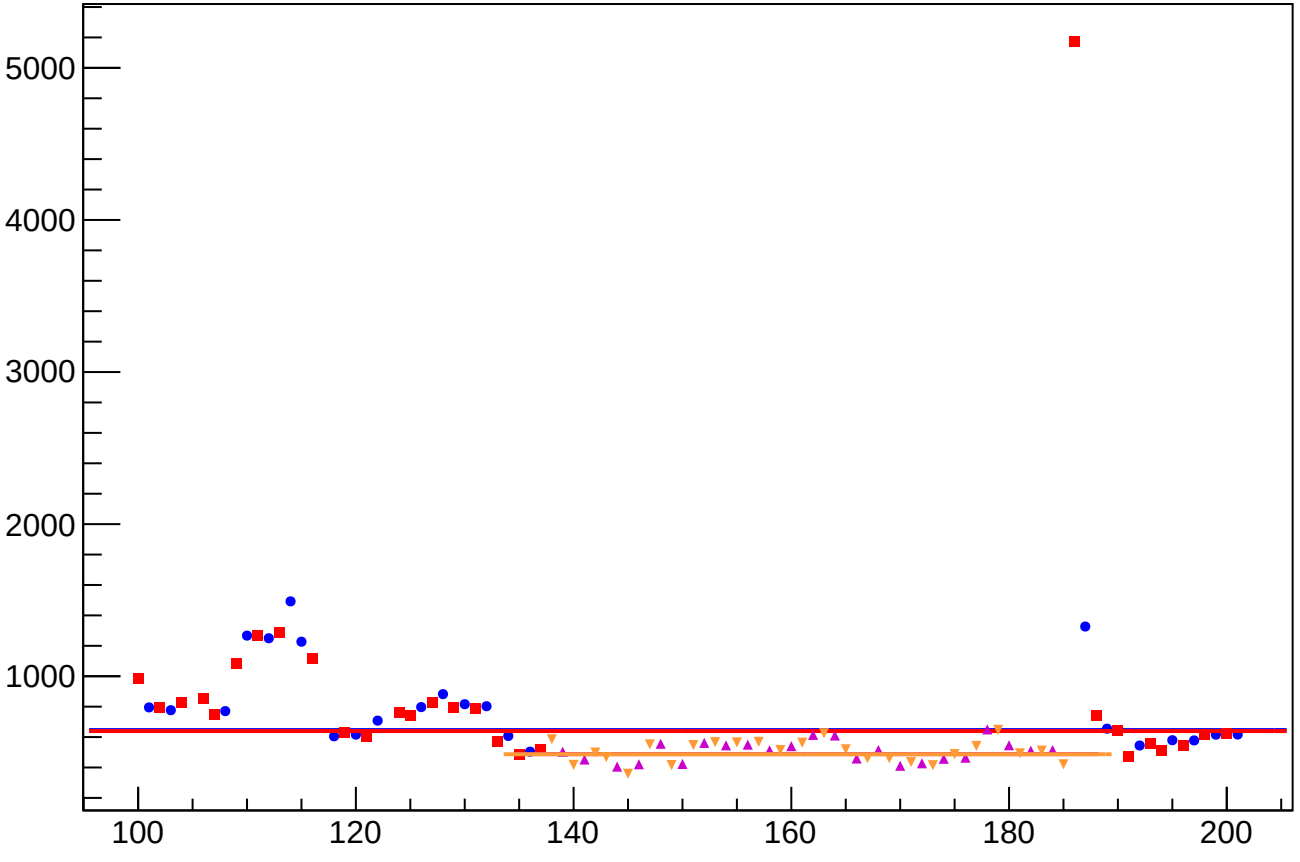
Right: -101.295+/-130.851 χ^2/NDF: 49.8/50

In: 23.500+/-98.532 χ^2/NDF:50.9/45

Out: 179.165+/-95.472 χ^2/NDF:69.9/52

All: 103.787+/-68.565 χ^2/NDF: 122.1/98

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: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

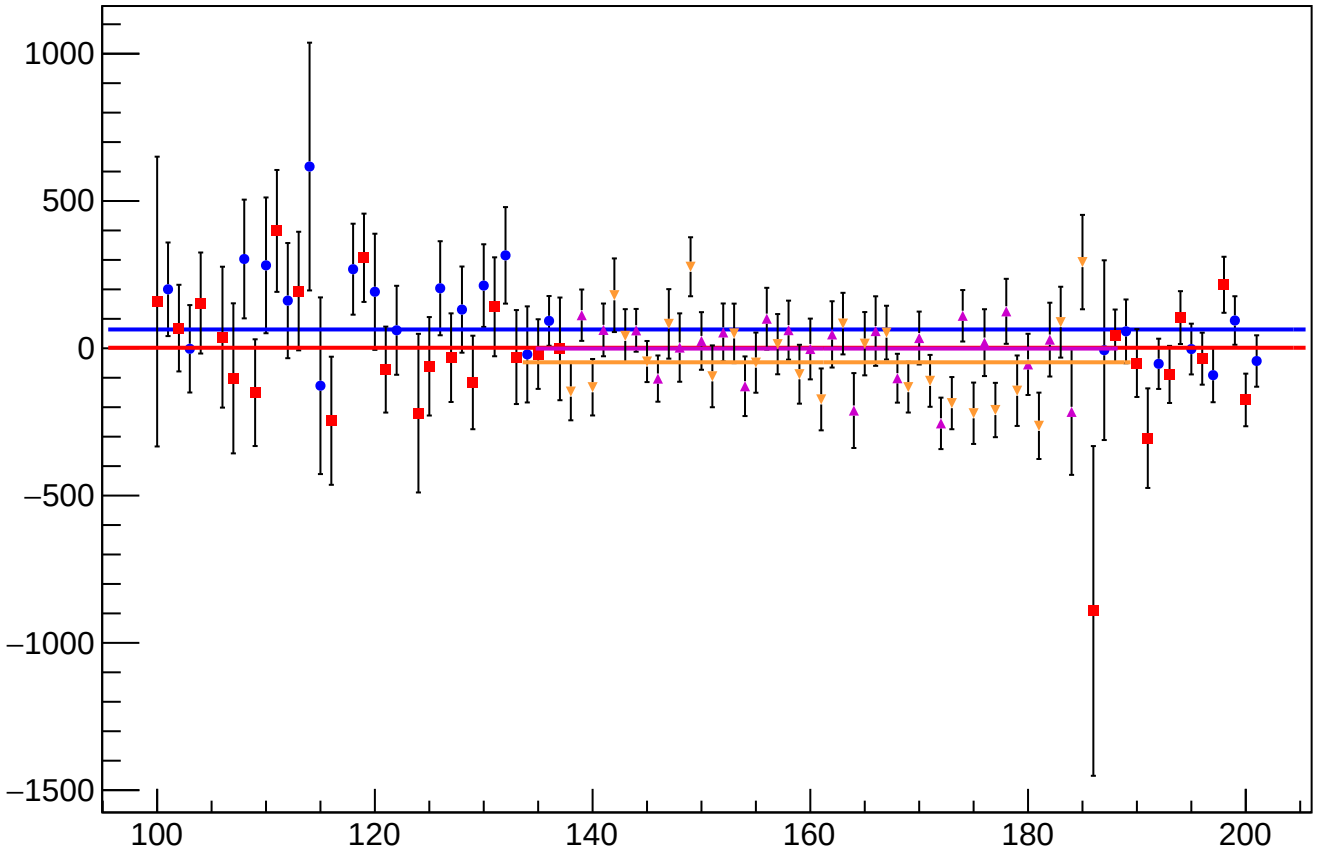
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 642.589+/-0.093 χ^2/NDF: 3288885.6/50

In: 530.768+/-0.070 χ^2/NDF:2856240.5/45

Out: 529.430+/-0.068 χ^2/NDF:3926354.6/52

All: 530.078+/-0.048 χ^2/NDF: 6782785.3/98



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: 1.808+/-26.219 χ^2/NDF: 32.1/27

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

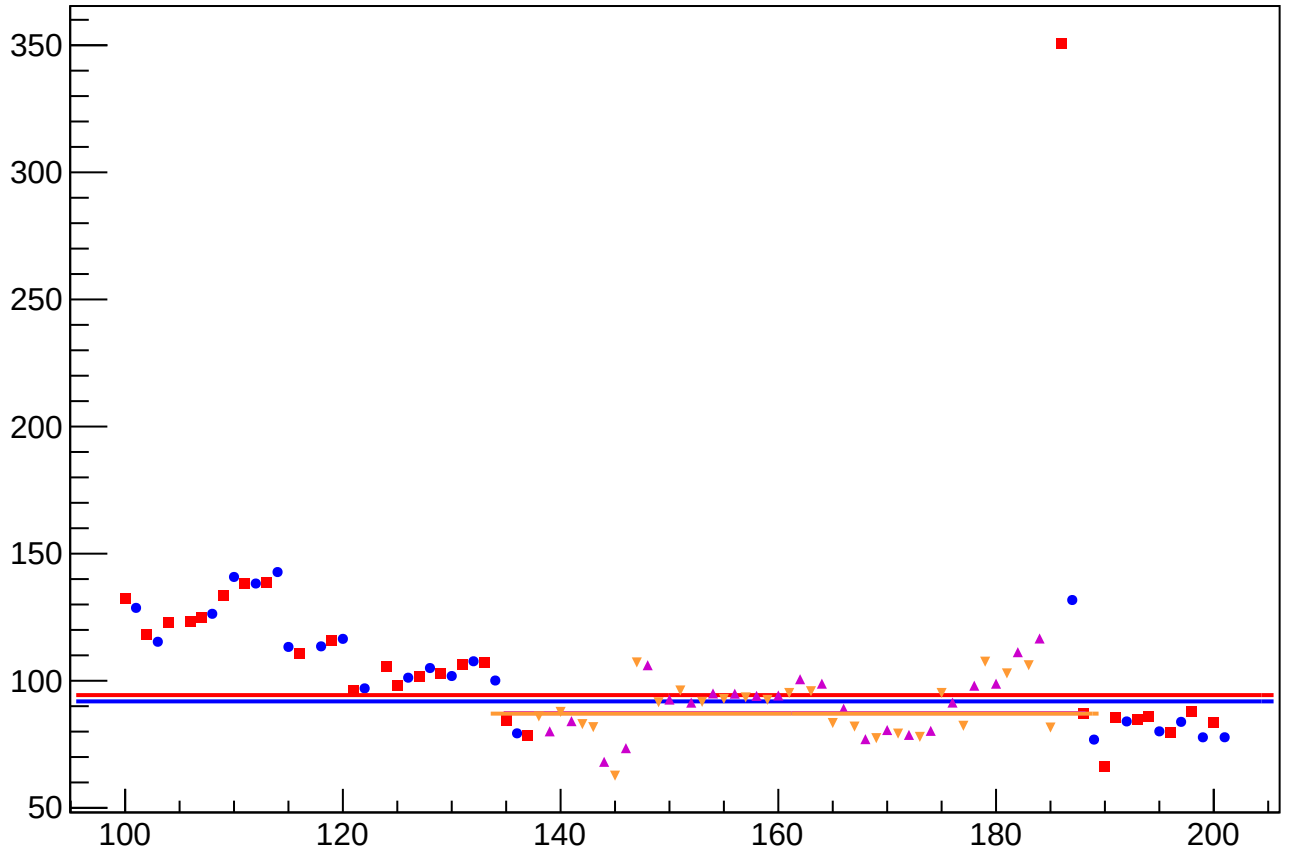
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 32.261+/-18.716 χ^2/NDF: 54.5/50

In: 23.202+/-16.317 χ^2/NDF:48.8/45

Out: -29.402+/-15.893 χ^2/NDF:78.3/52

All: -3.793+/-11.385 χ^2/NDF: 132.4/98



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: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

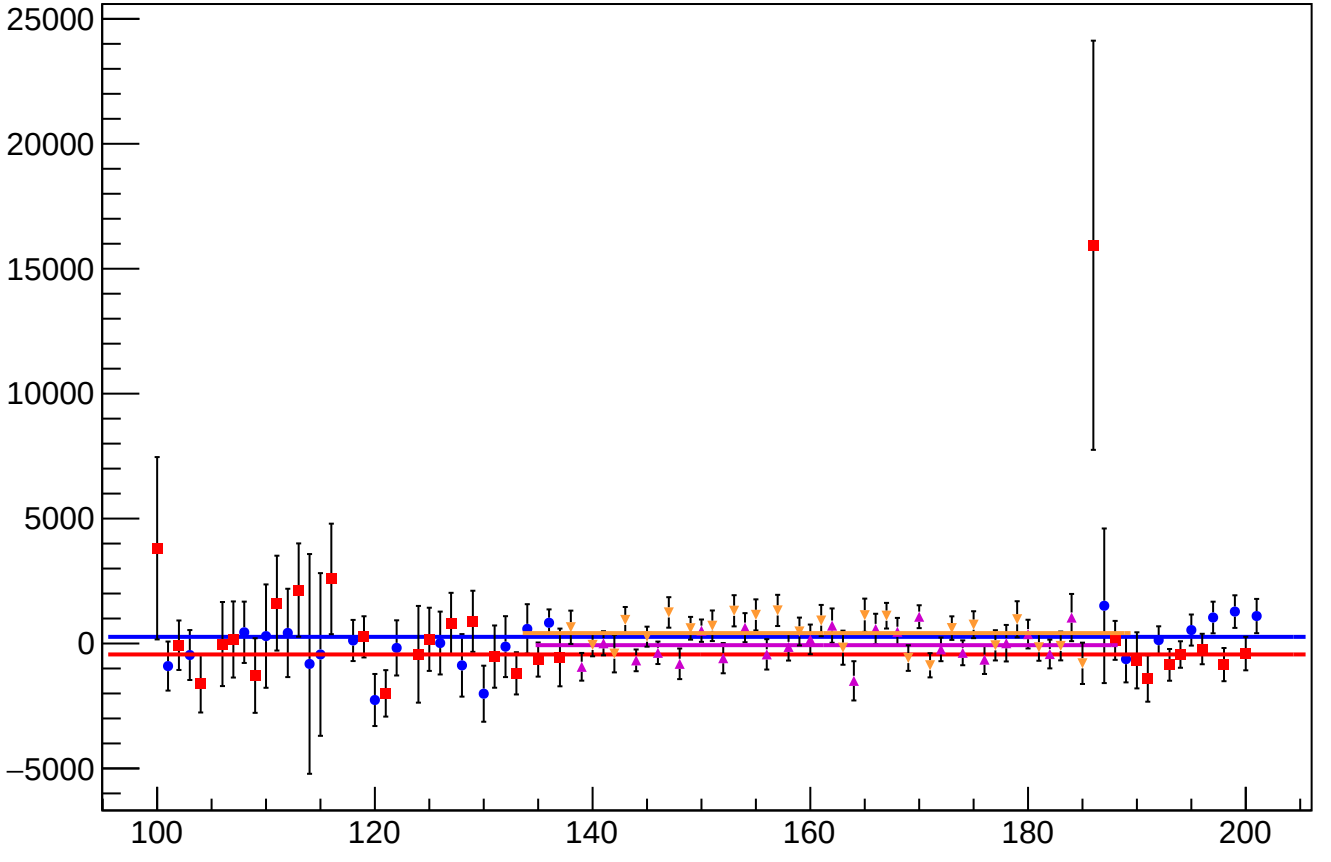
Right: 93.148+/-0.013 χ^2/NDF: 2166323.6/50

In: 88.984+/-0.012 χ^2/NDF:1518936.8/45

Out: 89.750+/-0.011 χ^2/NDF:1990542.9/52

All: 89.377+/-0.008 χ^2/NDF: 3511742.0/98

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: -437.887+/-181.165 χ^2/NDF: 21.4/27

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

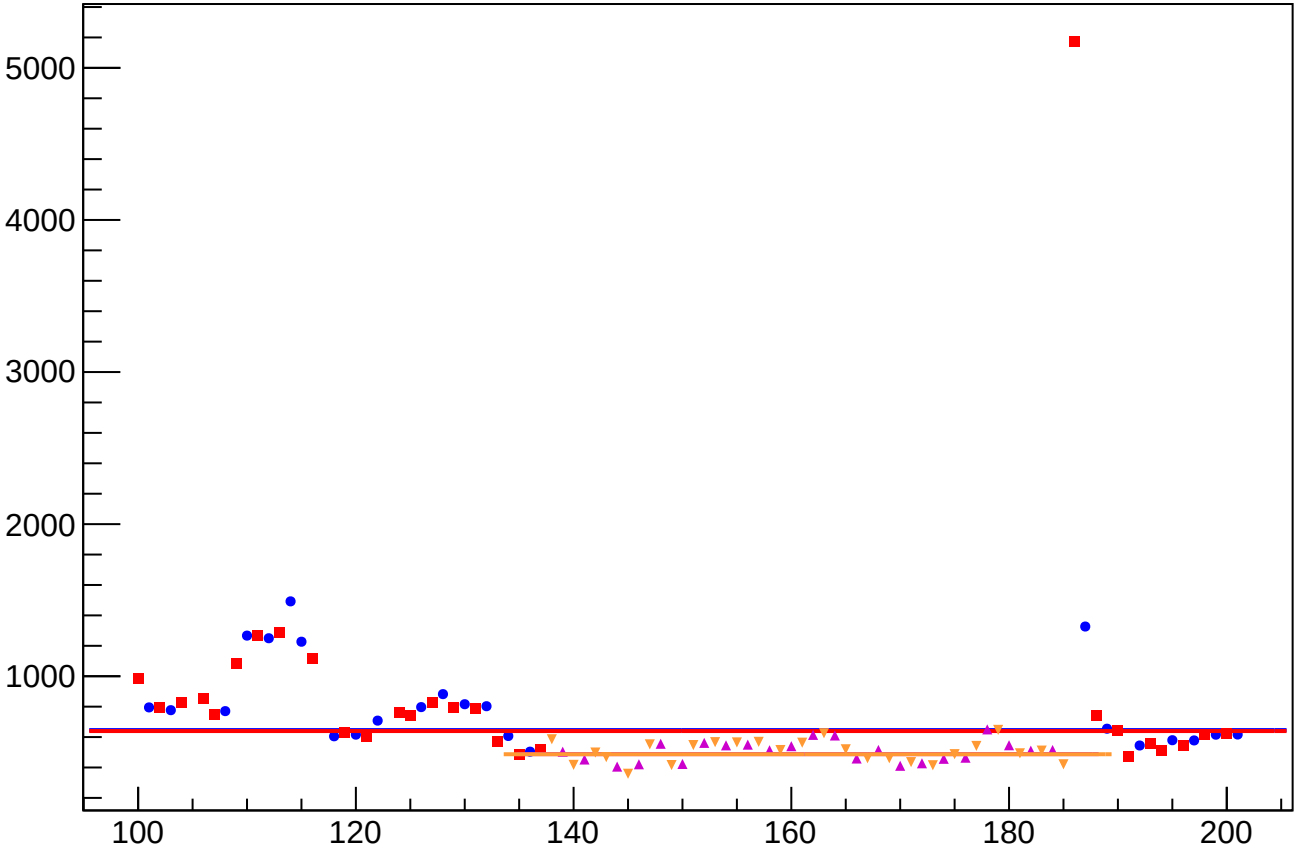
Right: -101.295+/-130.851 χ^2/NDF: 49.8/50

In: 23.500+/-98.532 χ^2/NDF:50.9/45

Out: 179.165+/-95.472 χ^2/NDF:69.9/52

All: 103.787+/-68.565 χ^2/NDF: 122.1/98

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: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

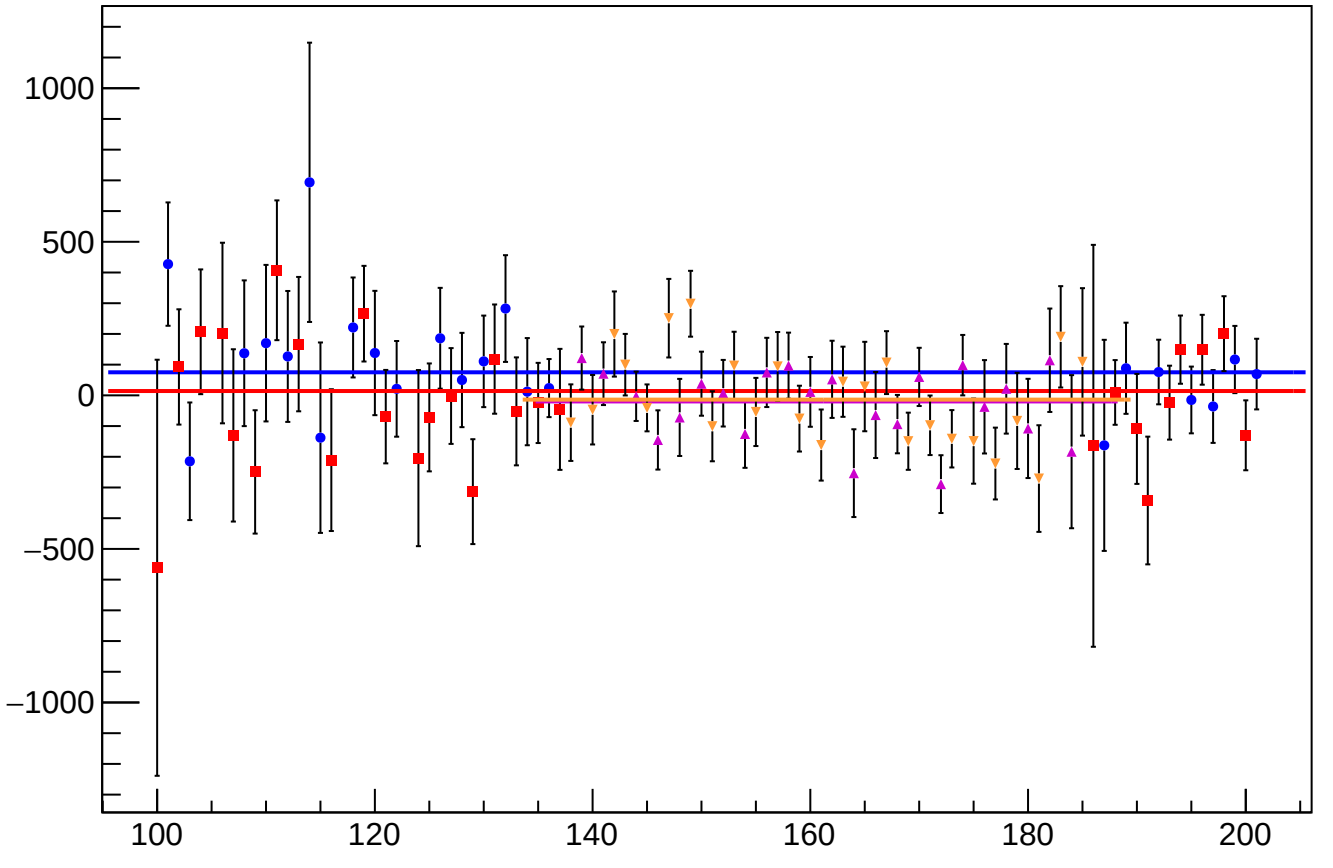
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 642.589+/-0.093 χ^2/NDF: 3288885.6/50

In: 530.768+/-0.070 χ^2/NDF:2856240.5/45

Out: 529.430+/-0.068 χ^2/NDF:3926354.6/52

All: 530.078+/-0.048 χ^2/NDF: 6782785.3/98



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: 14.101+/-31.094 χ^2/NDF: 27.1/27

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

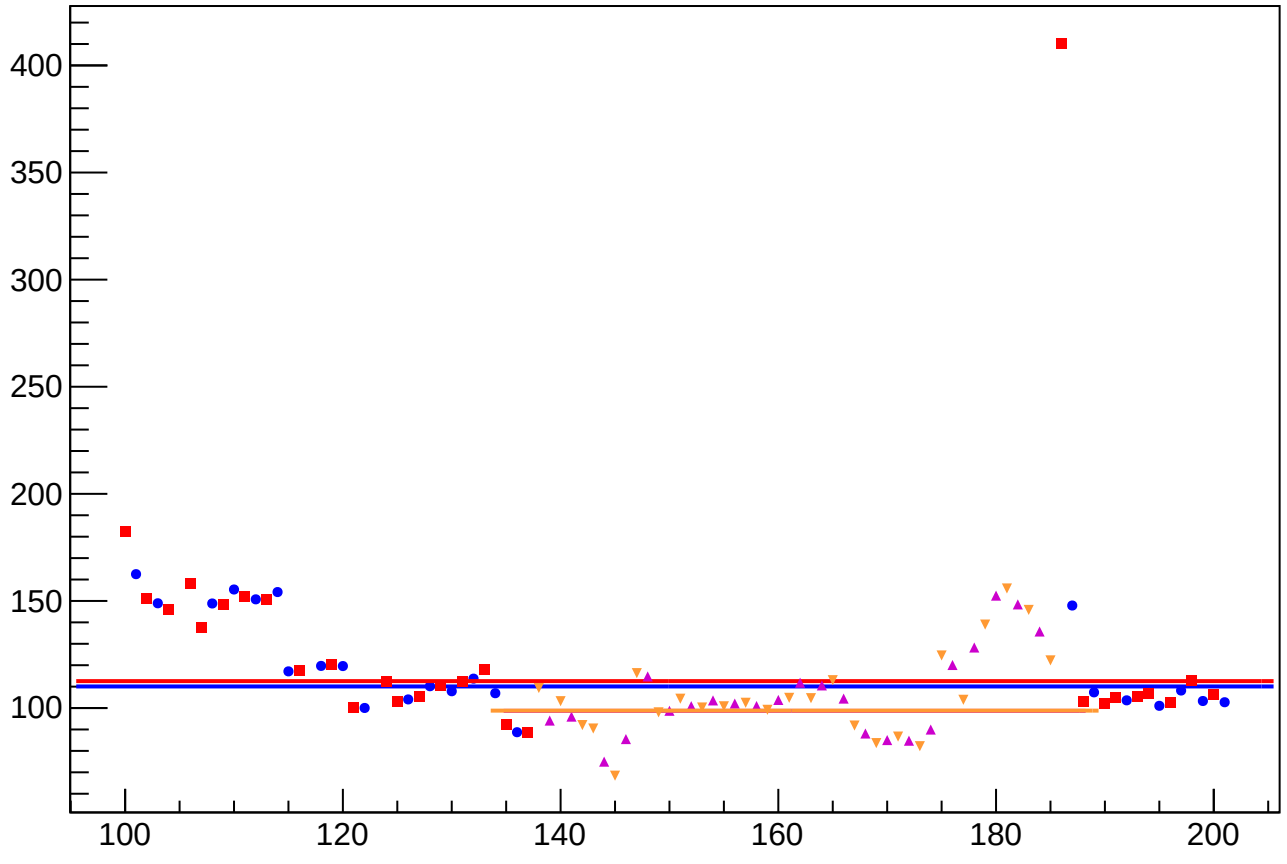
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 43.879+/-22.240 χ^2/NDF: 42.6/50

In: 13.806+/-18.941 χ^2/NDF:42.6/45

Out: -4.047+/-18.447 χ^2/NDF:64.0/52

All: 4.644+/-13.215 χ^2/NDF: 107.1/98



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: 112.570+/-0.022 χ^2/NDF: 991294.2/27

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

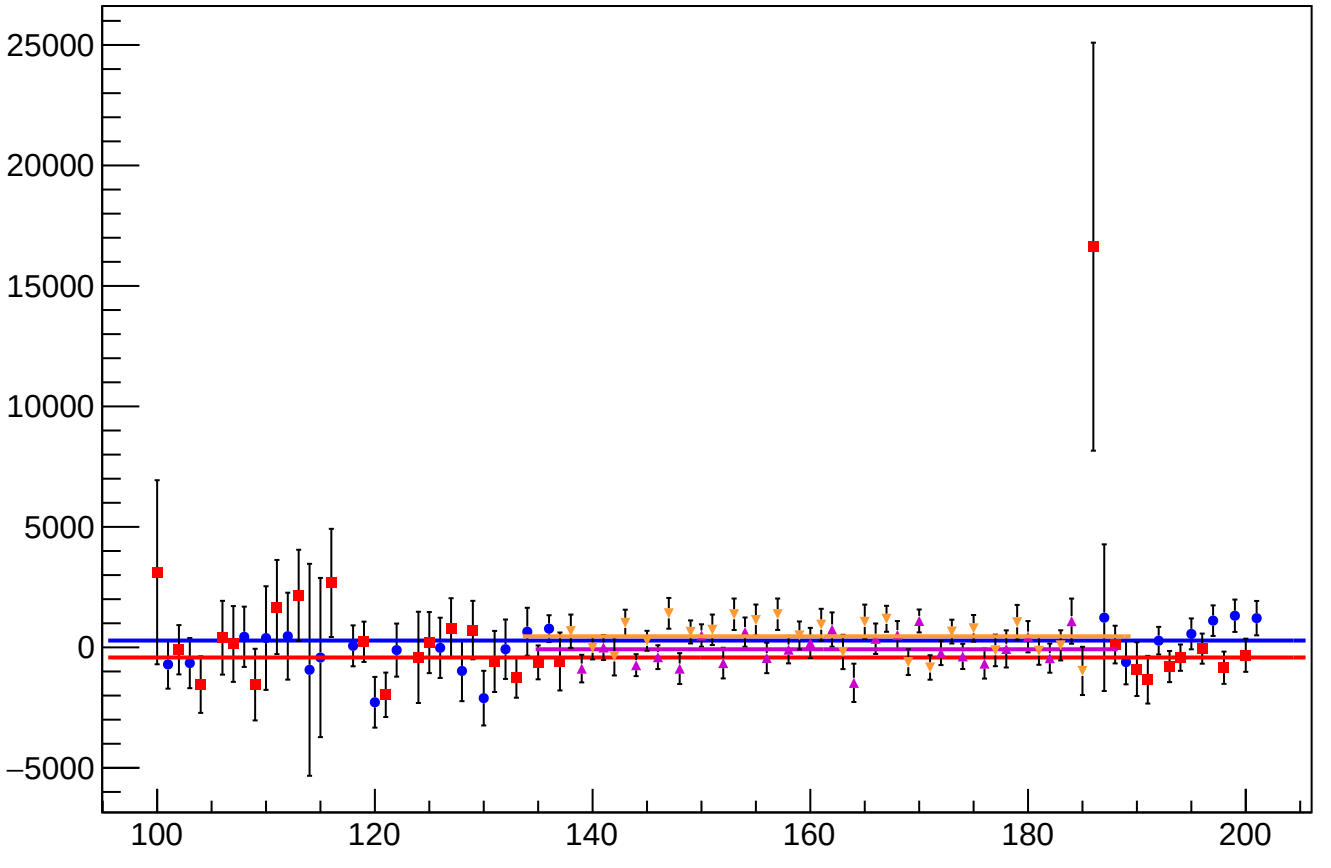
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 111.356+/-0.016 χ^2/NDF: 1614304.4/50

In: 102.715+/-0.013 χ^2/NDF:1770600.6/45

Out: 103.646+/-0.013 χ^2/NDF:2431340.5/52

All: 103.193+/-0.009 χ^2/NDF: 4204421.8/98



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: -419.601+/-184.199 χ^2/NDF: 21.1/27

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

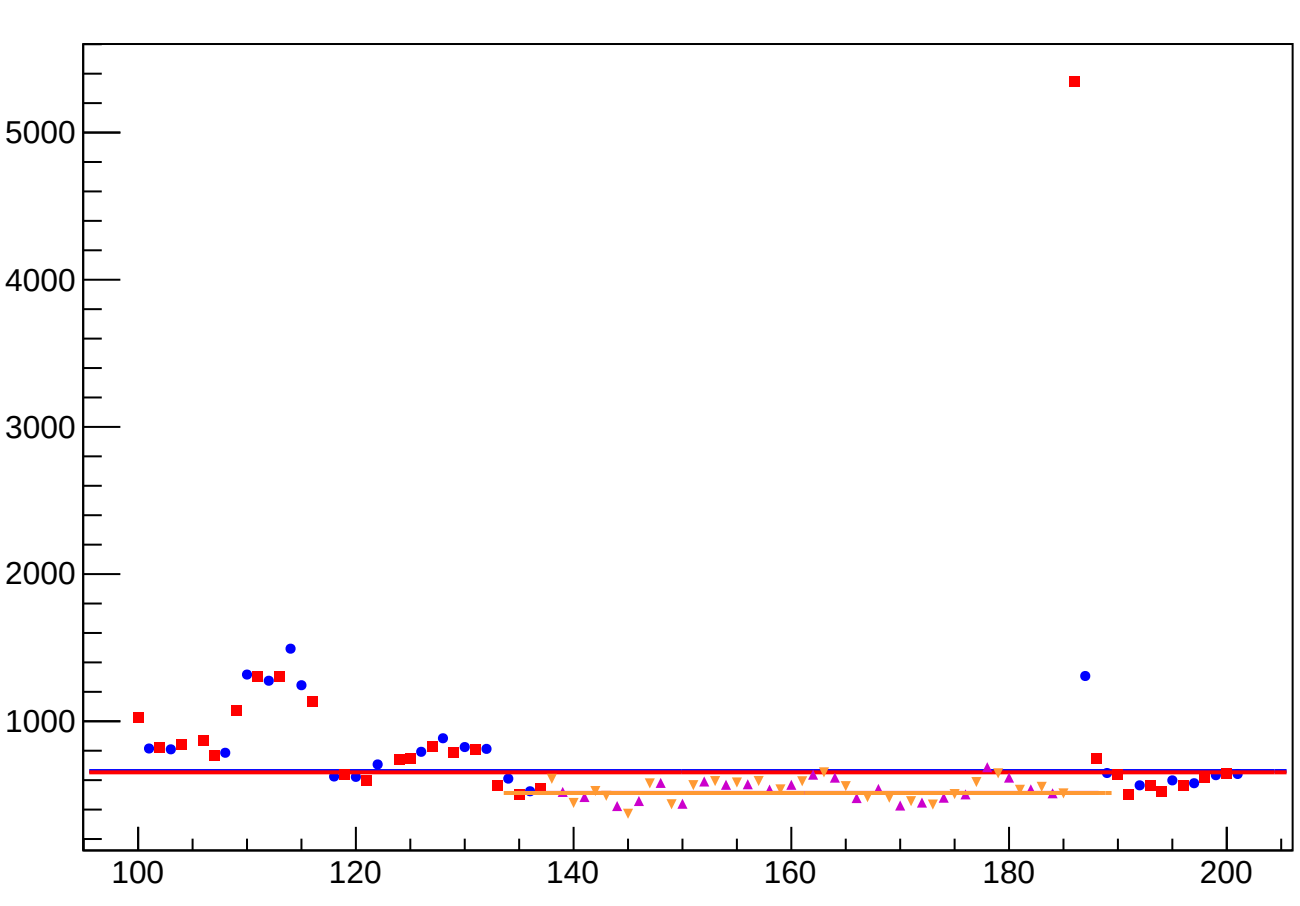
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -85.548+/-133.445 χ^2/NDF: 49.5/50

In: 23.493+/-102.872 χ^2/NDF:50.3/45

Out: 203.076+/-99.427 χ^2/NDF:68.0/52

All: 116.342+/-71.492 χ^2/NDF: 119.8/98



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: 653.026+/-0.130 χ^2/NDF: 2027182.5/27

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

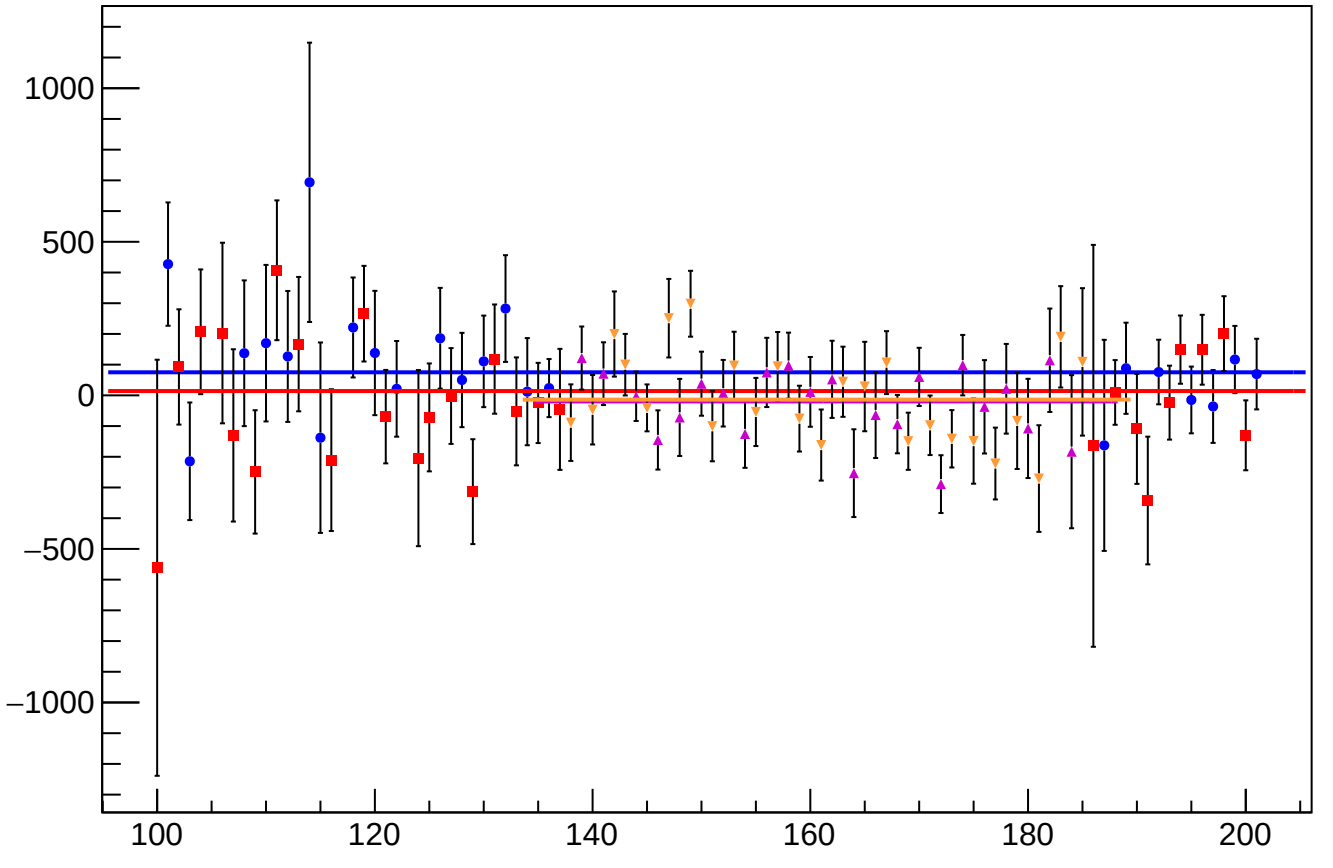
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 657.187+/-0.094 χ^2/NDF: 3185909.2/50

In: 555.282+/-0.073 χ^2/NDF:2634075.8/45

Out: 553.634+/-0.070 χ^2/NDF:3648150.6/52

All: 554.430+/-0.051 χ^2/NDF: 6282491.9/98



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: 14.102+/-31.094 χ^2/NDF: 27.1/27

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

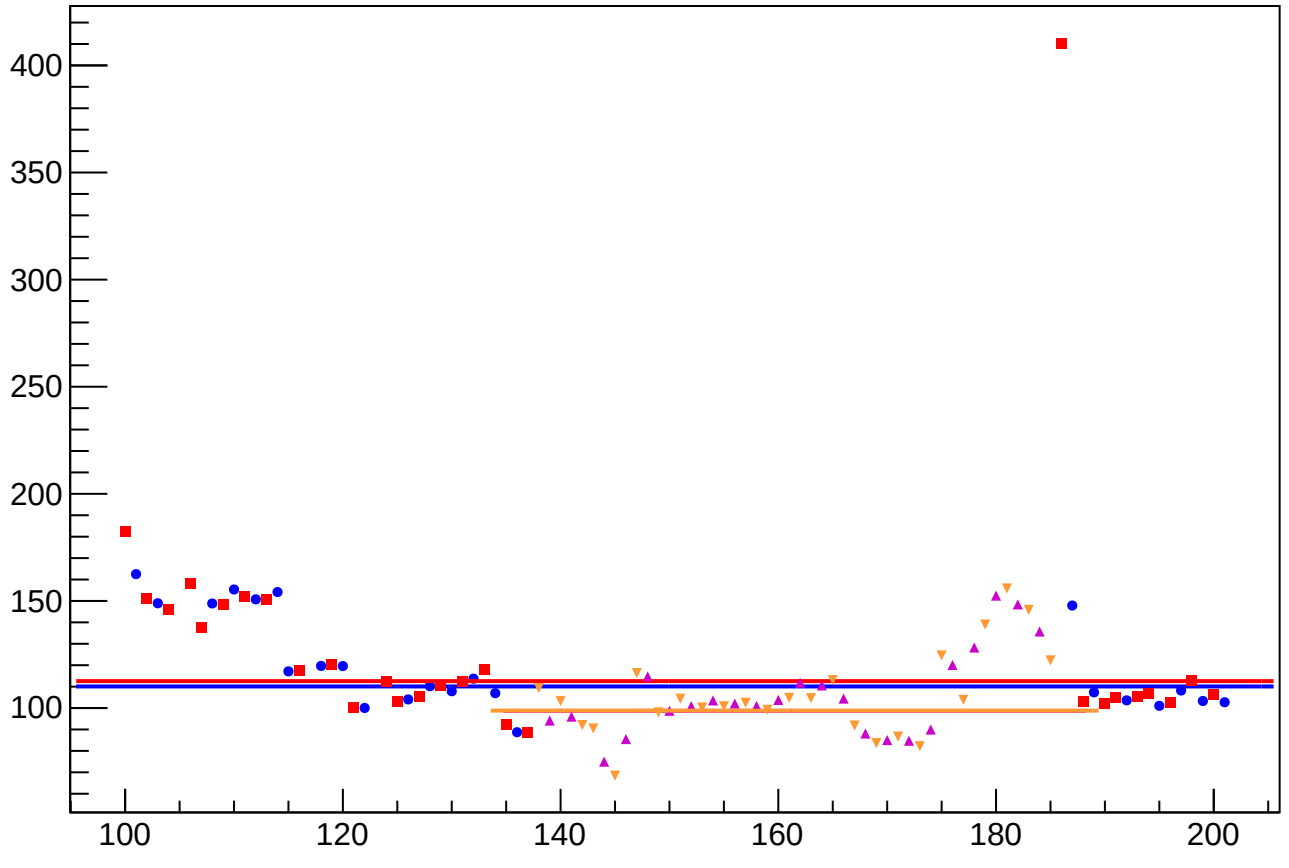
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 43.879+/-22.240 χ^2/NDF: 42.6/50

In: 13.805+/-18.941 χ^2/NDF:42.6/45

Out: -4.048+/-18.447 χ^2/NDF:64.0/52

All: 4.643+/-13.215 χ^2/NDF: 107.1/98



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: 112.570+/-0.022 χ^2/NDF: 991279.5/27

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

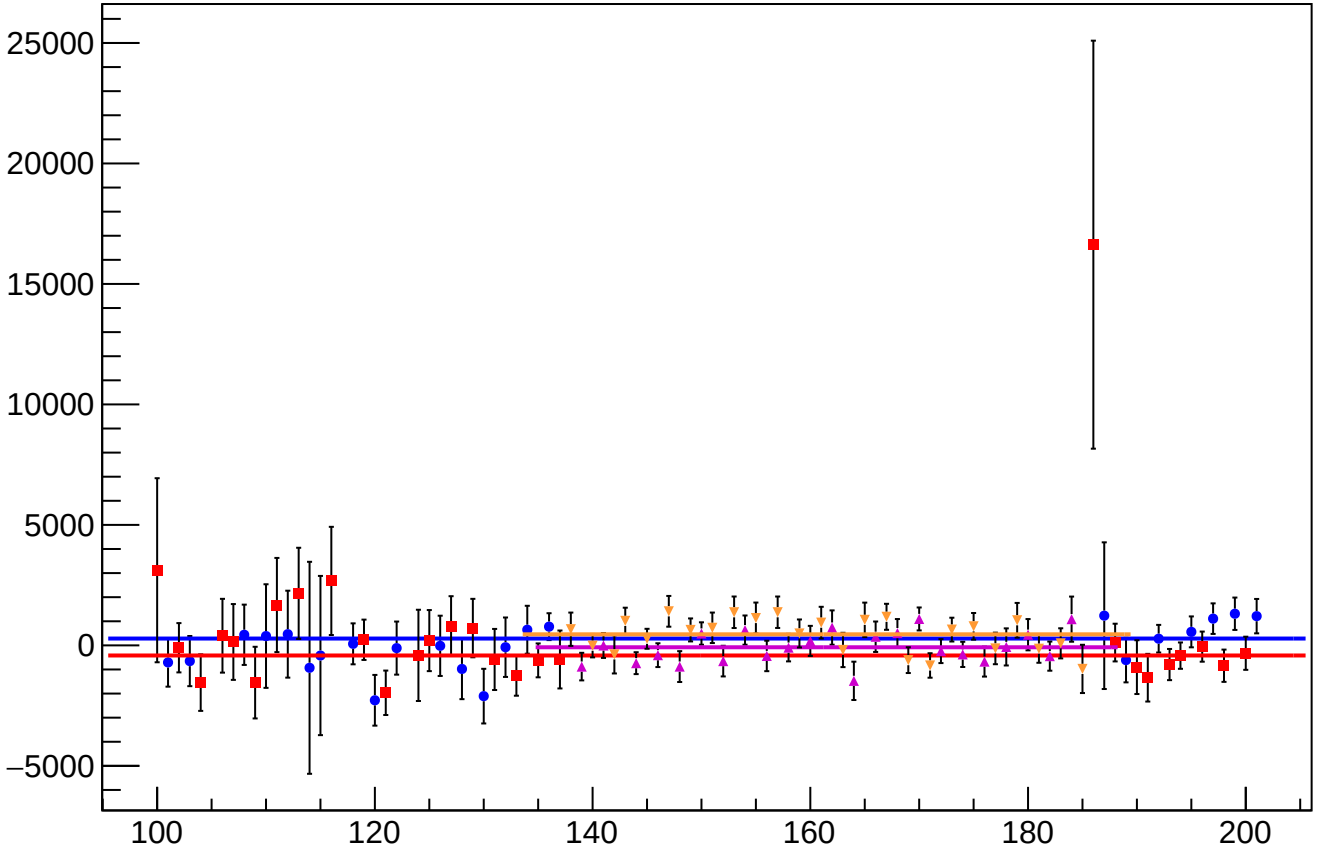
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 111.356+/-0.016 χ^2/NDF: 1614275.5/50

In: 102.715+/-0.013 χ^2/NDF:1770582.8/45

Out: 103.646+/-0.013 χ^2/NDF:2431335.7/52

All: 103.193+/-0.009 χ^2/NDF: 4204399.0/98



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: -419.600+/-184.199 χ^2/NDF: 21.1/27

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

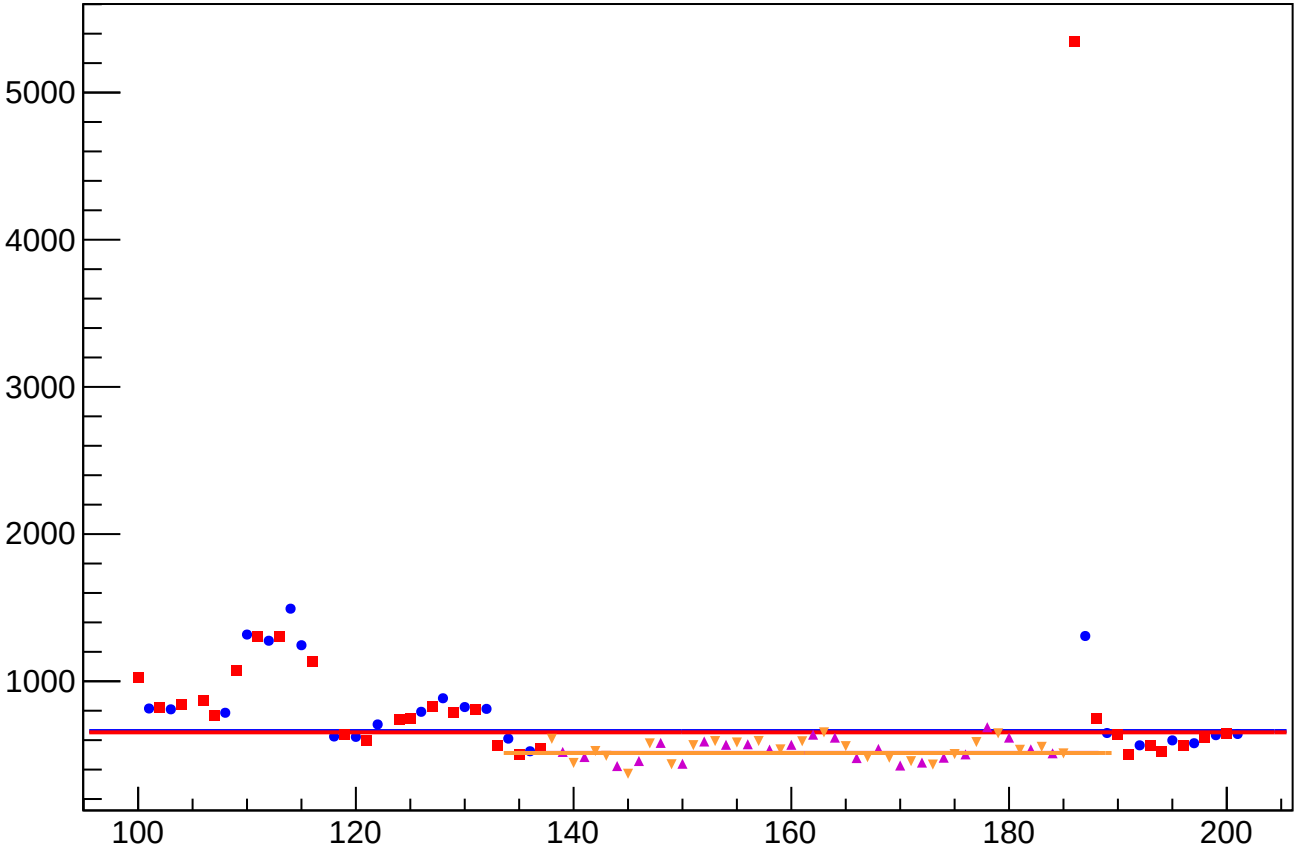
Right: -85.548+/-133.445 χ^2/NDF: 49.5/50

In: 23.493+/-102.872 χ^2/NDF:50.3/45

Out: 203.075+/-99.427 χ^2/NDF:68.0/52

All: 116.341+/-71.492 χ^2/NDF: 119.8/98

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: 653.024+/-0.130 χ^2/NDF: 2027179.3/27

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

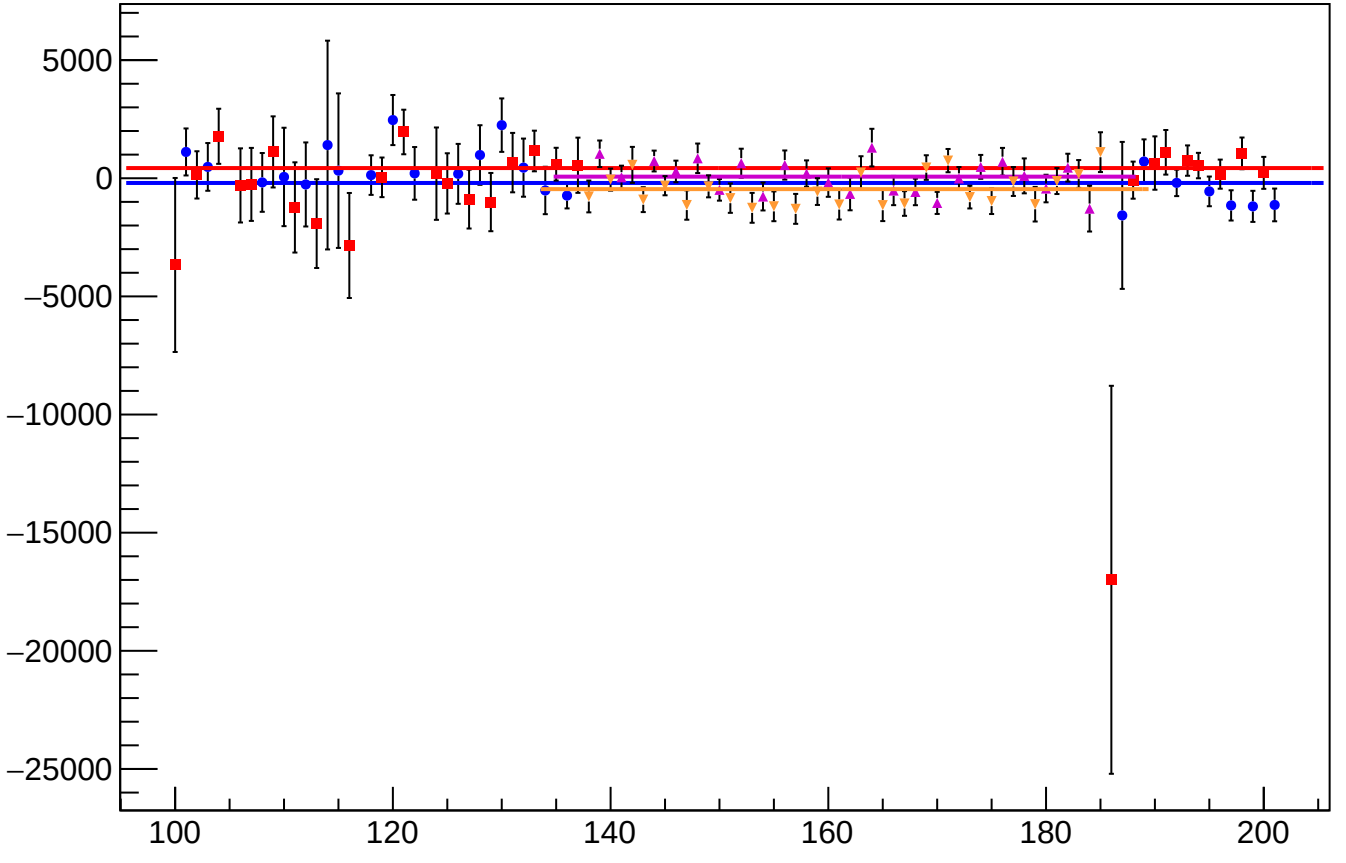
Right: 657.186+/-0.094 χ^2/NDF: 3185904.3/50

In: 555.282+/-0.073 χ^2/NDF:2634065.0/45

Out: 553.633+/-0.070 χ^2/NDF:3648137.9/52

All: 554.430+/-0.051 χ^2/NDF: 6282468.4/98

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: 431.184+/-183.122 χ^2/NDF: 21.0/27

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

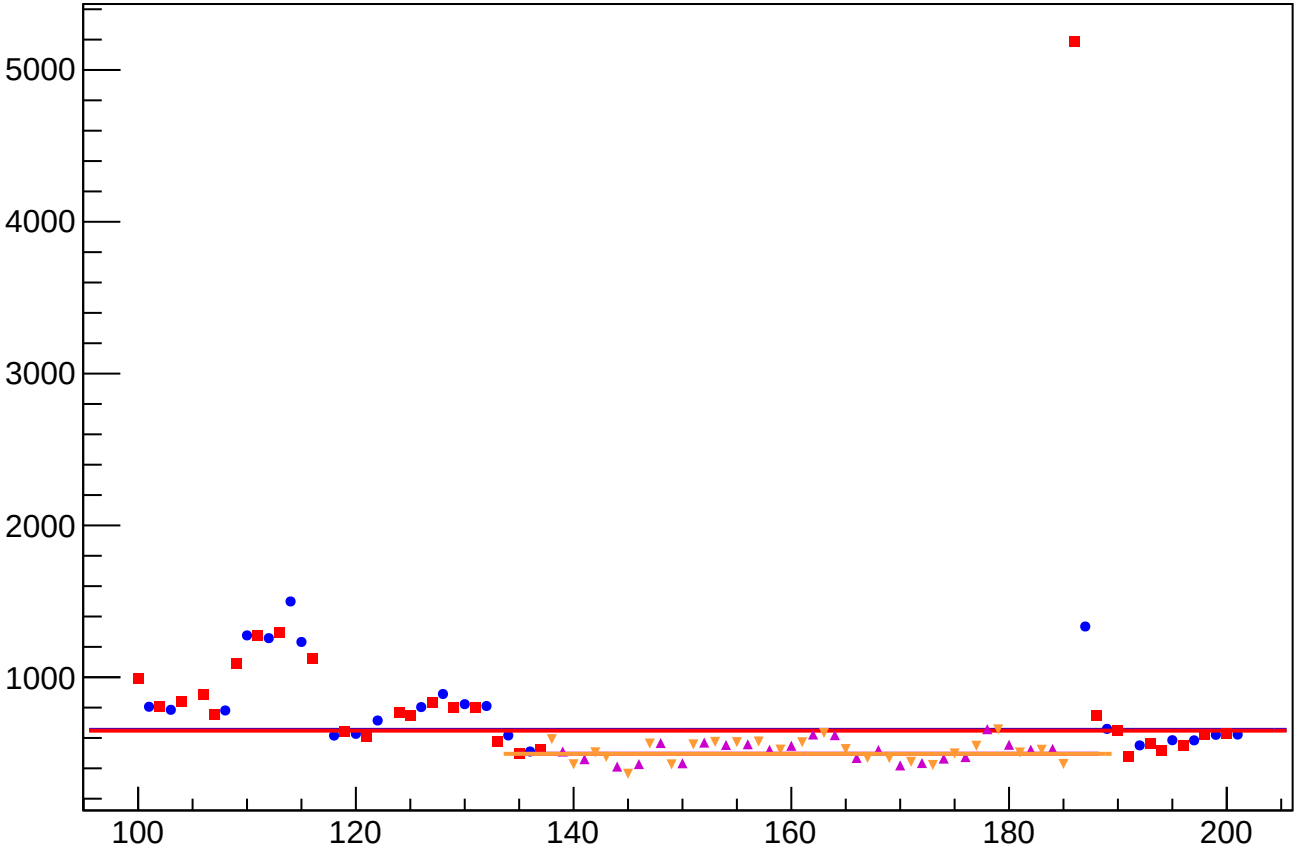
Right: 129.709+/-132.288 χ^2/NDF: 50.4/50

In: -5.072+/-100.041 χ^2/NDF:53.7/45

Out: -210.256+/-96.921 χ^2/NDF:68.9/52

All: -110.913+/-69.610 χ^2/NDF: 124.8/98

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: 648.362+/-0.129 χ^2/NDF: 2072123.8/27

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

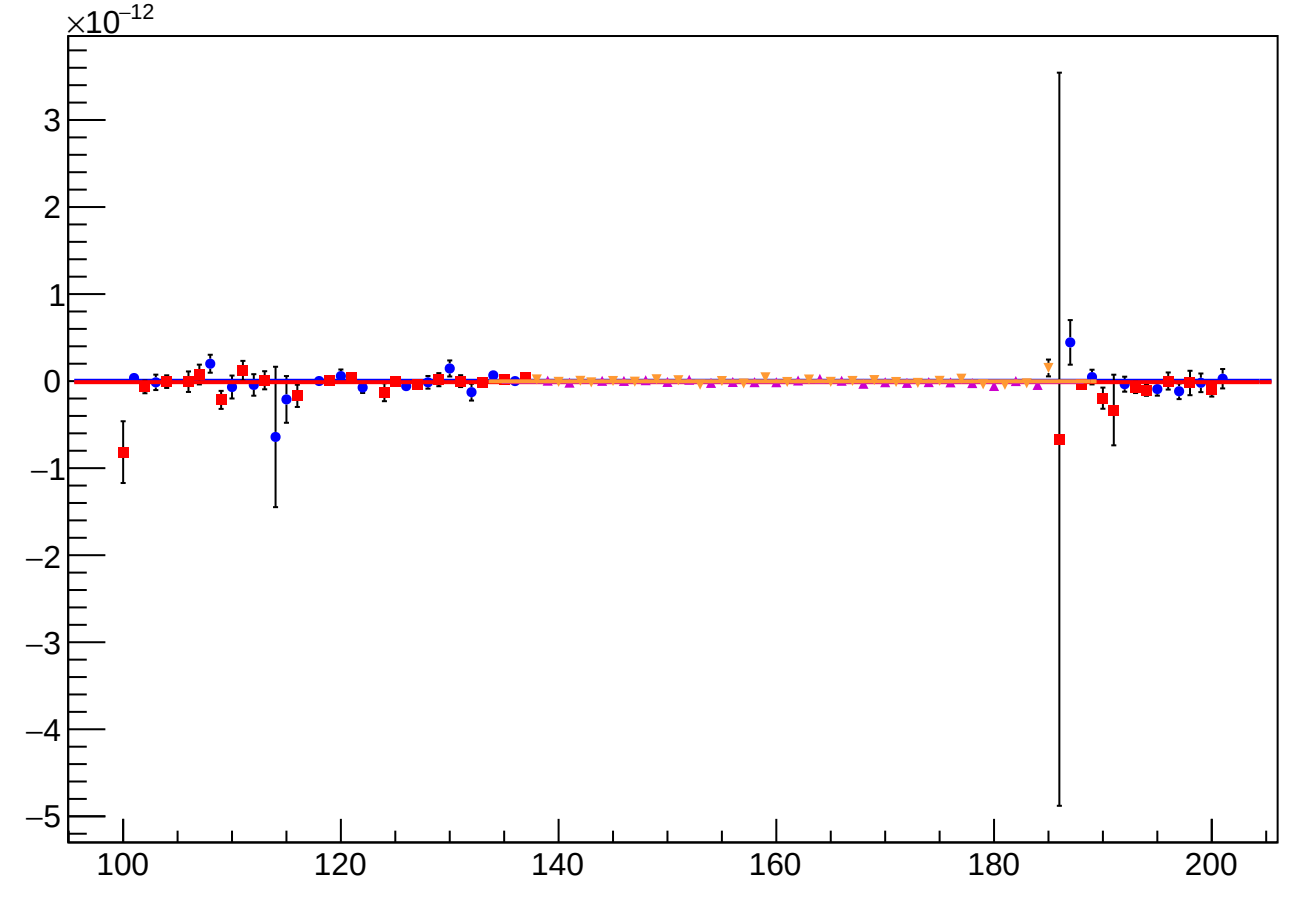
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 650.738+/-0.094 χ^2/NDF: 3266067.0/50

In: 539.244+/-0.071 χ^2/NDF:2794488.8/45

Out: 538.331+/-0.069 χ^2/NDF:3879835.1/52

All: 538.773+/-0.049 χ^2/NDF: 6674409.7/98



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/27

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

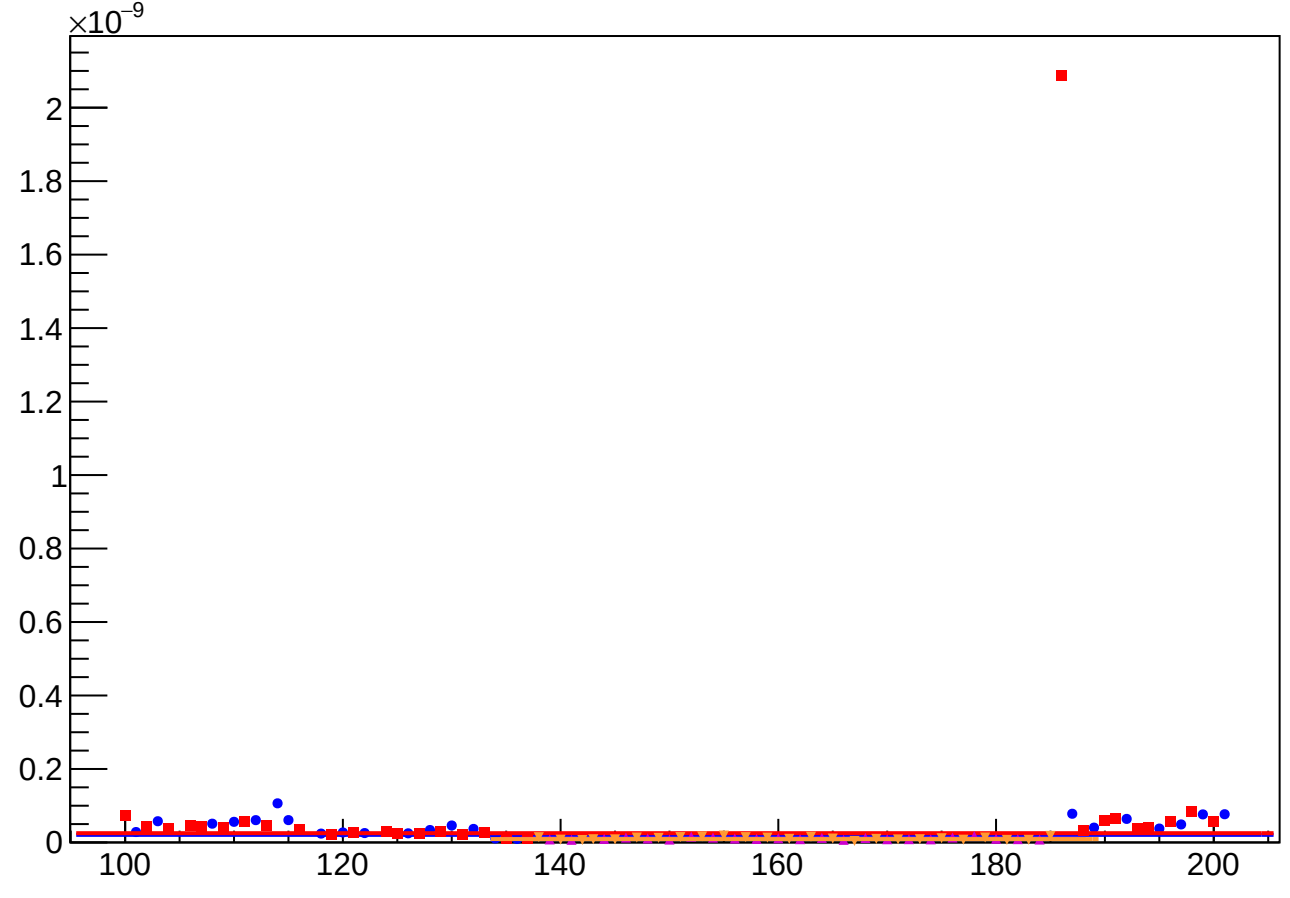
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/50

In: -0.000+/-0.000 χ^2/NDF:40.9/45

Out: -0.000+/-0.000 χ^2/NDF:51.0/52

All: -0.000+/-0.000 χ^2/NDF: 92.4/98



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: 3577043.4/27

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

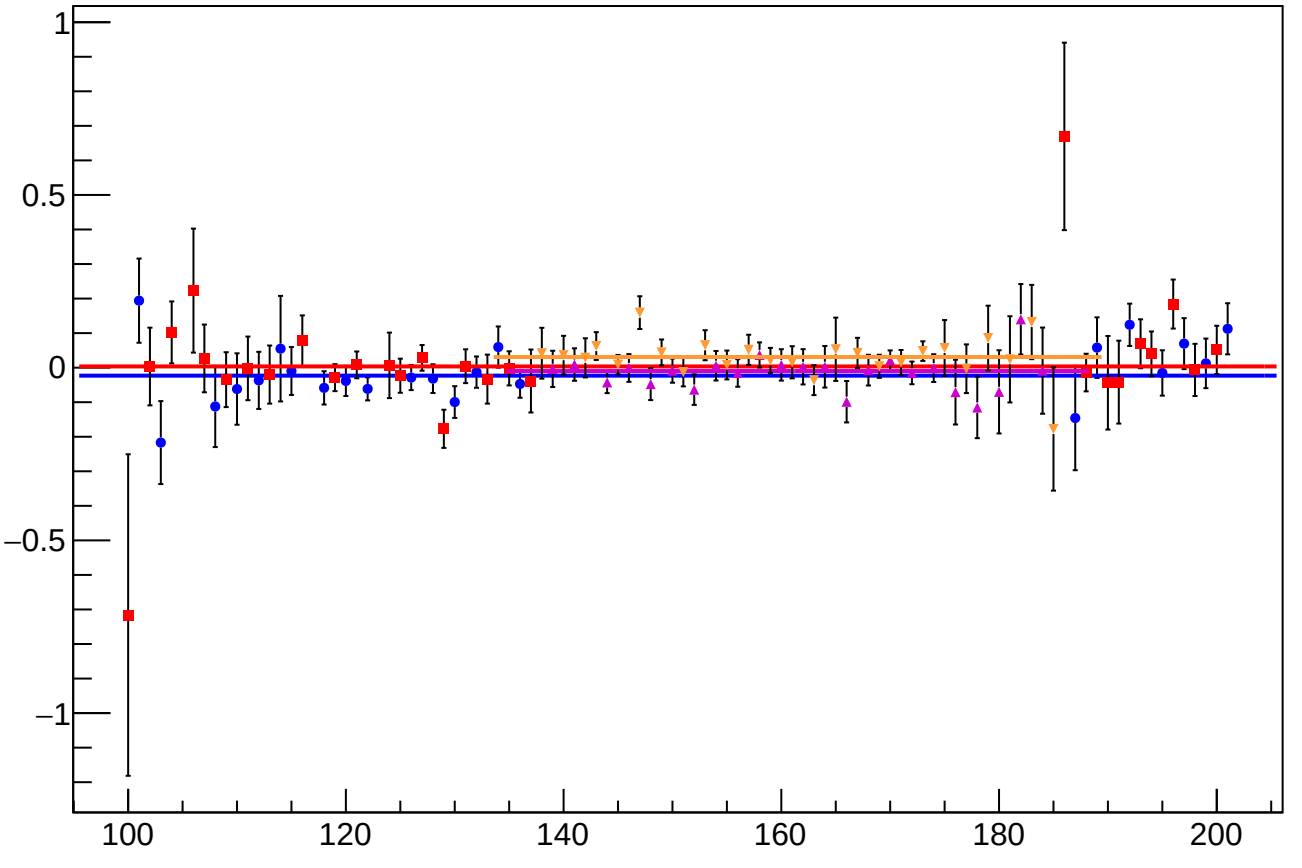
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8340631.5/50

In: 0.000+/-0.000 χ^2/NDF:6993181.0/45

Out: 0.000+/-0.000 χ^2/NDF:8587100.1/52

All: 0.000+/-0.000 χ^2/NDF: 15596296.4/98



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: 0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

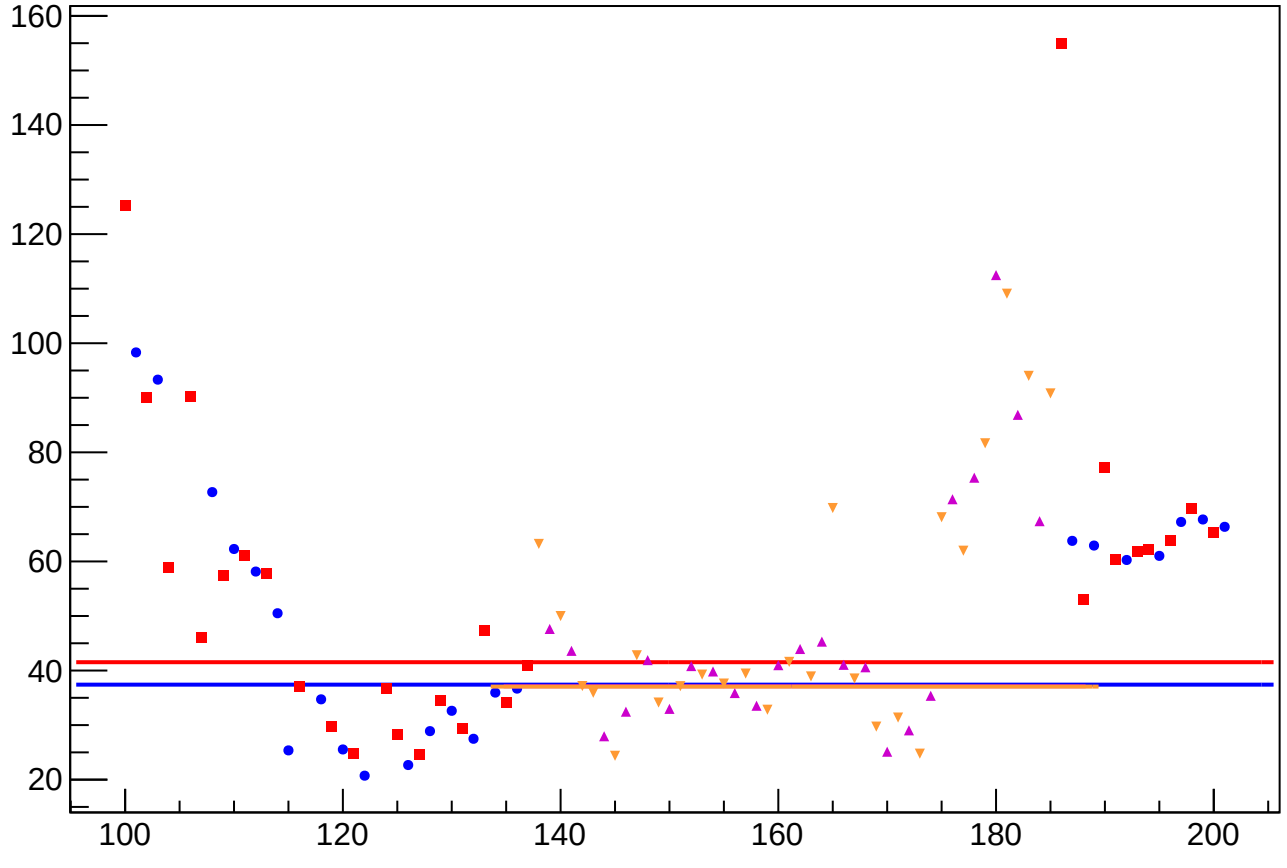
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.010+/-0.009 χ^2/NDF: 62.5/50

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 107.1/98



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: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

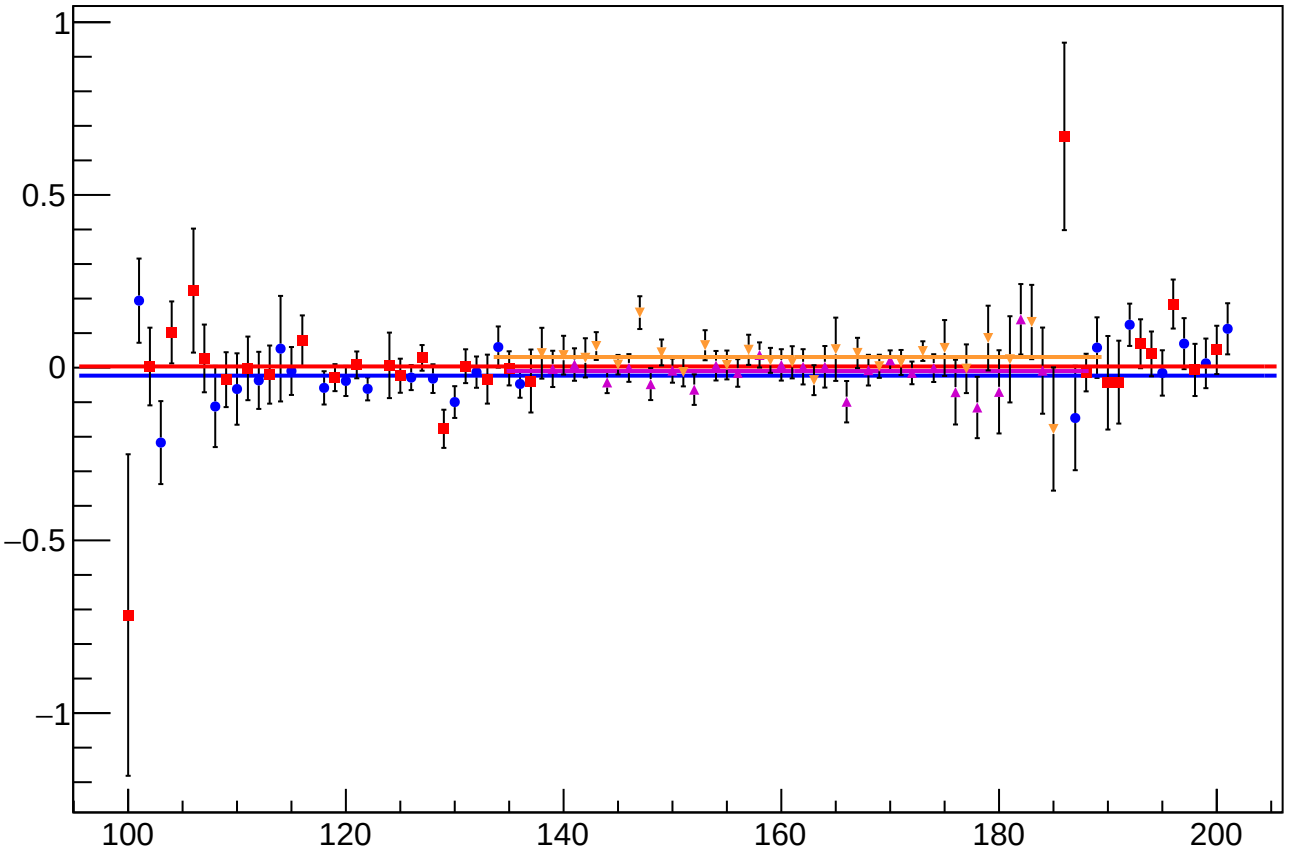
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 39.391+/-0.006 χ^2/NDF: 8440388.0/50

In: 37.236+/-0.005 χ^2/NDF:7390256.9/45

Out: 38.624+/-0.005 χ^2/NDF:8171646.5/52

All: 37.932+/-0.004 χ^2/NDF: 15597387.4/98



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: 0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

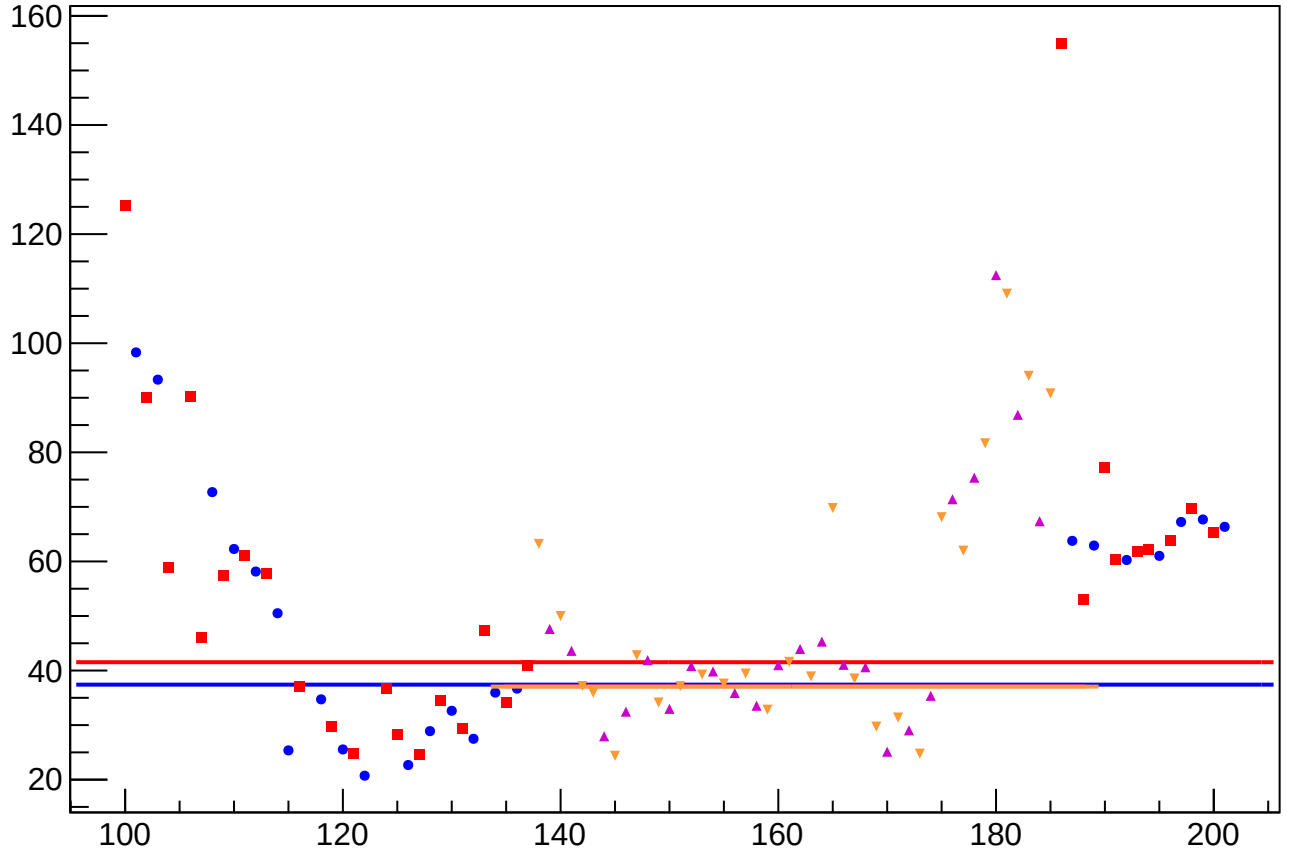
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.010+/-0.009 χ^2/NDF: 62.5/50

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 107.1/98



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: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

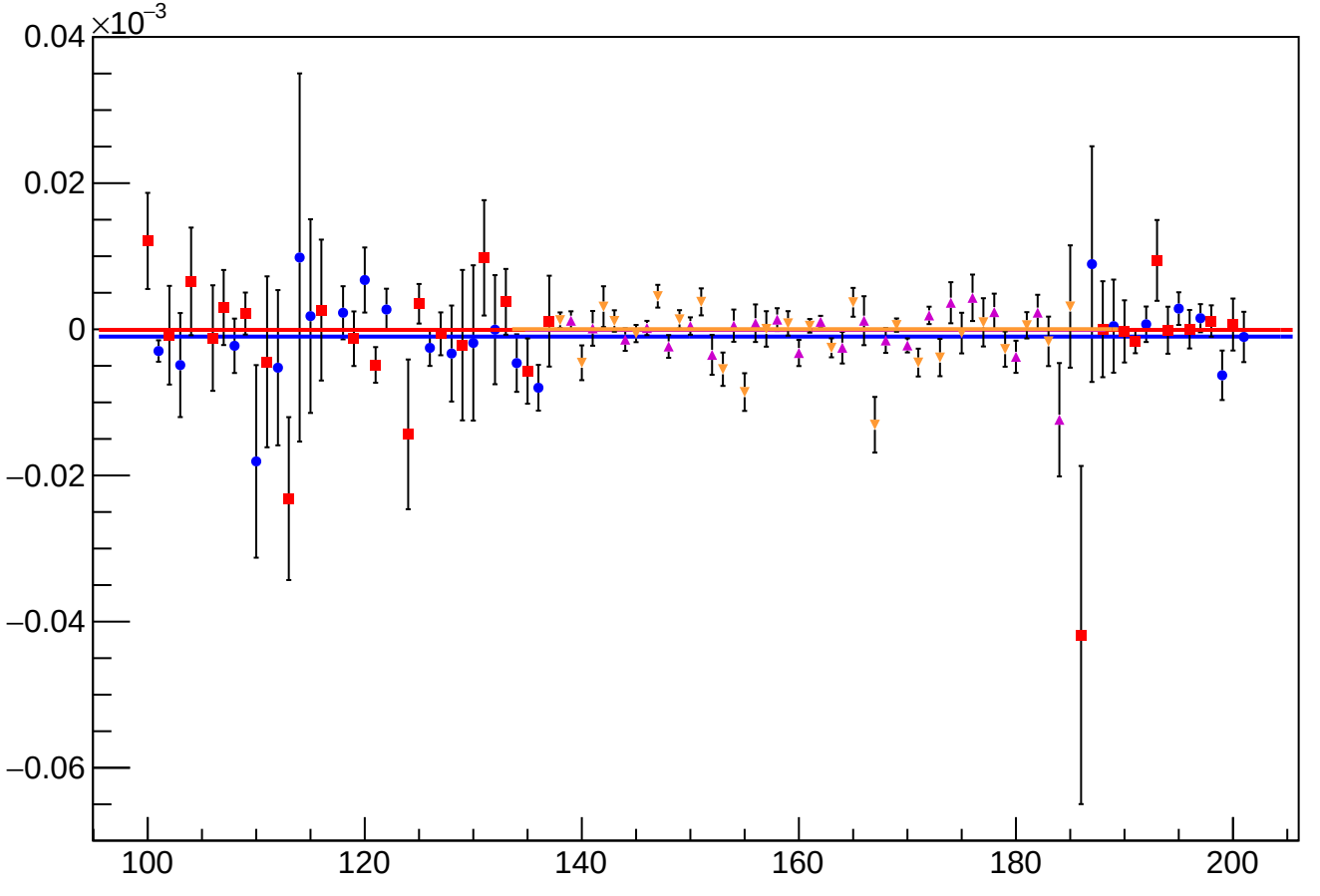
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 39.391+/-0.006 χ^2/NDF: 8440388.0/50

In: 37.236+/-0.005 χ^2/NDF:7390256.9/45

Out: 38.624+/-0.005 χ^2/NDF:8171646.5/52

All: 37.932+/-0.004 χ^2/NDF: 15597387.4/98



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/27

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

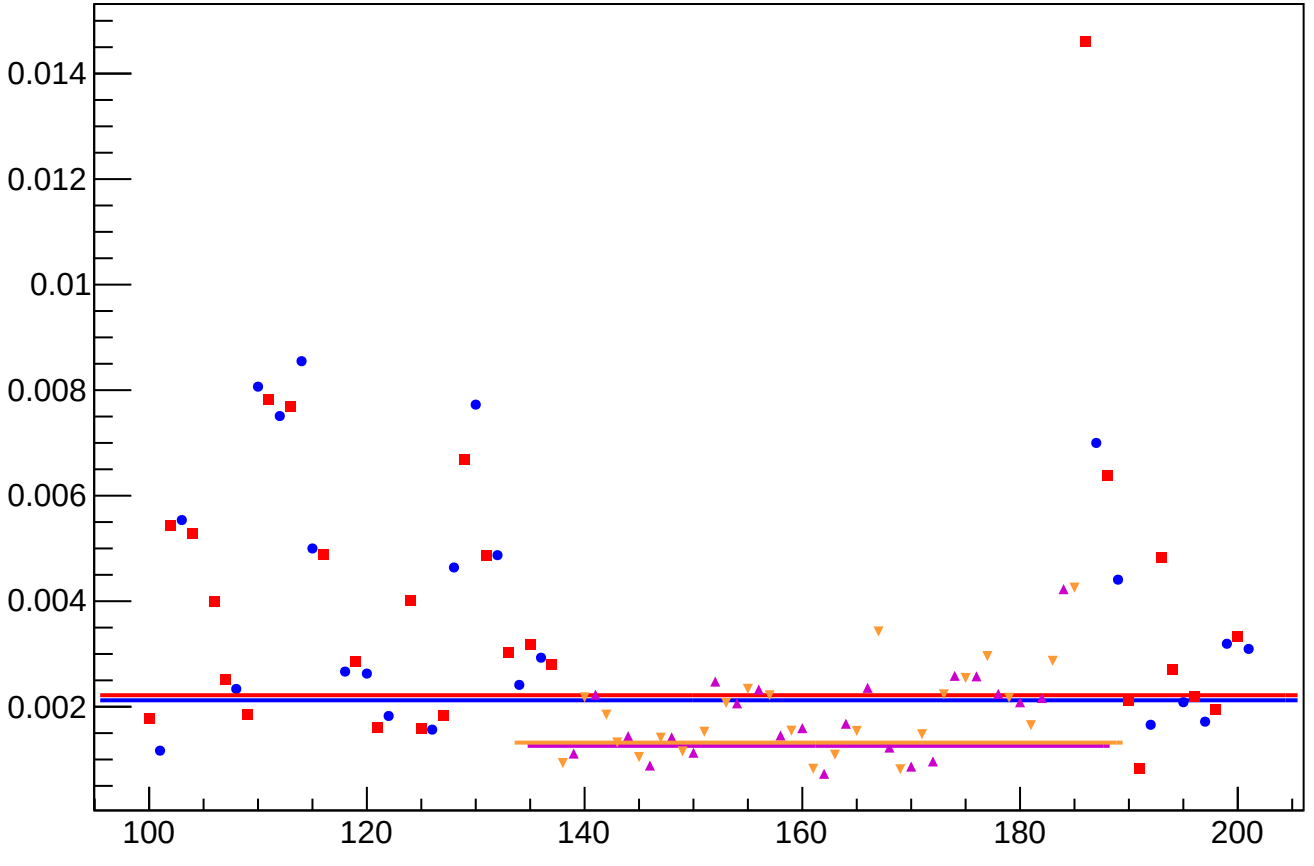
Right: -0.000+/-0.000 χ^2/NDF: 54.0/50

In: -0.000+/-0.000 χ^2/NDF:57.8/45

Out: 0.000+/-0.000 χ^2/NDF:96.5/52

All: -0.000+/-0.000 χ^2/NDF: 154.7/98

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 6782338.6/27

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

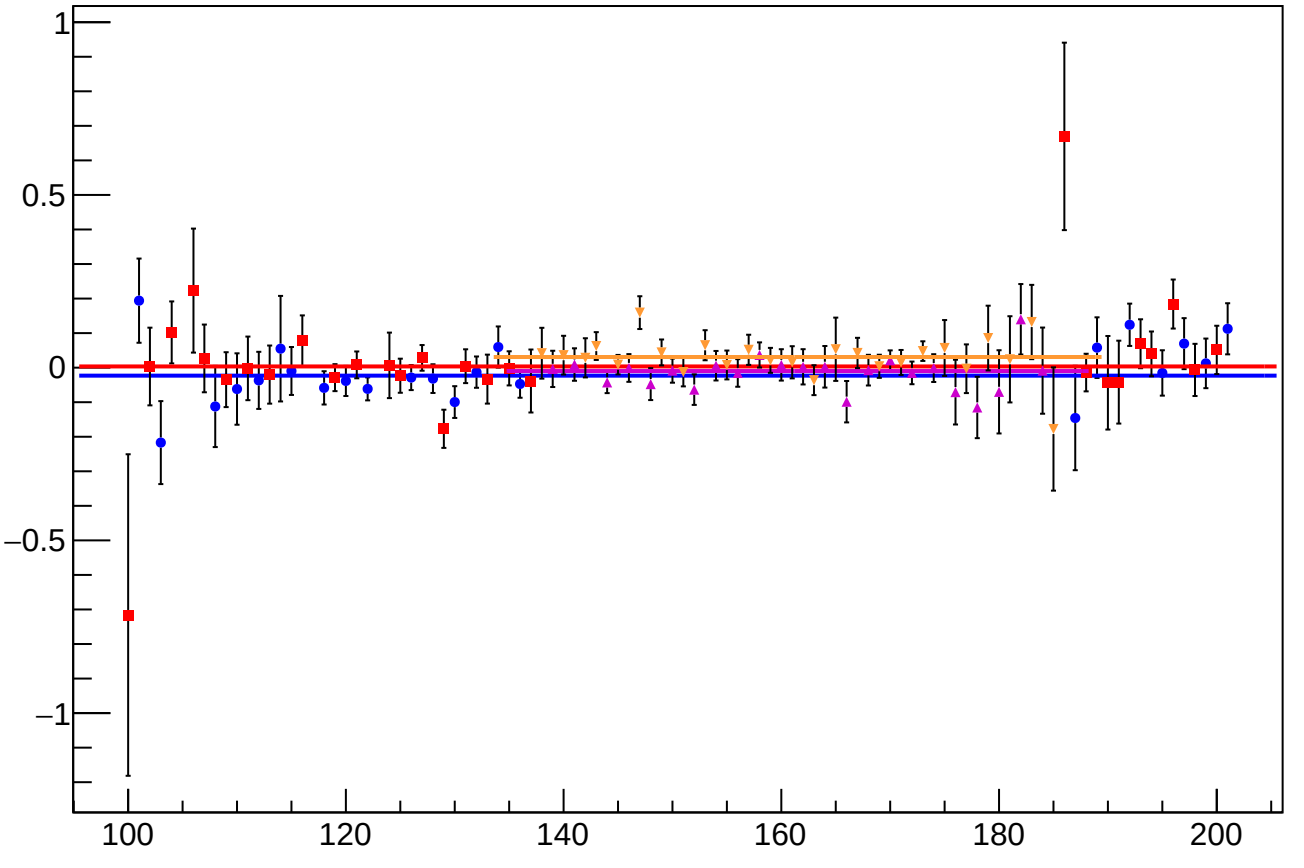
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11685580.1/50

In: 0.001+/-0.000 χ^2/NDF:12756969.4/45

Out: 0.001+/-0.000 χ^2/NDF:15002852.6/52

All: 0.001+/-0.000 χ^2/NDF: 27805174.3/98



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: 0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

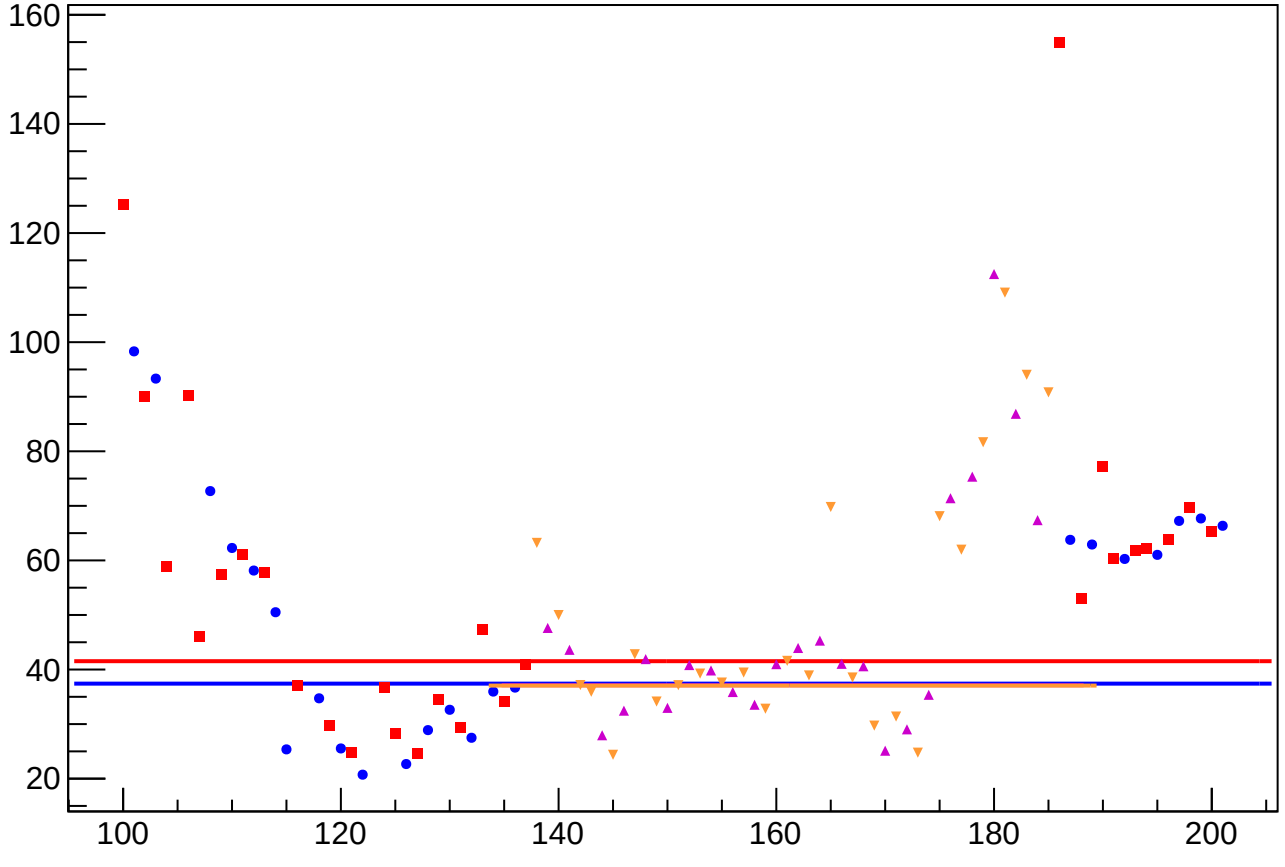
Right: -0.010+/-0.009 χ^2/NDF: 62.5/50

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 107.1/98

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: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

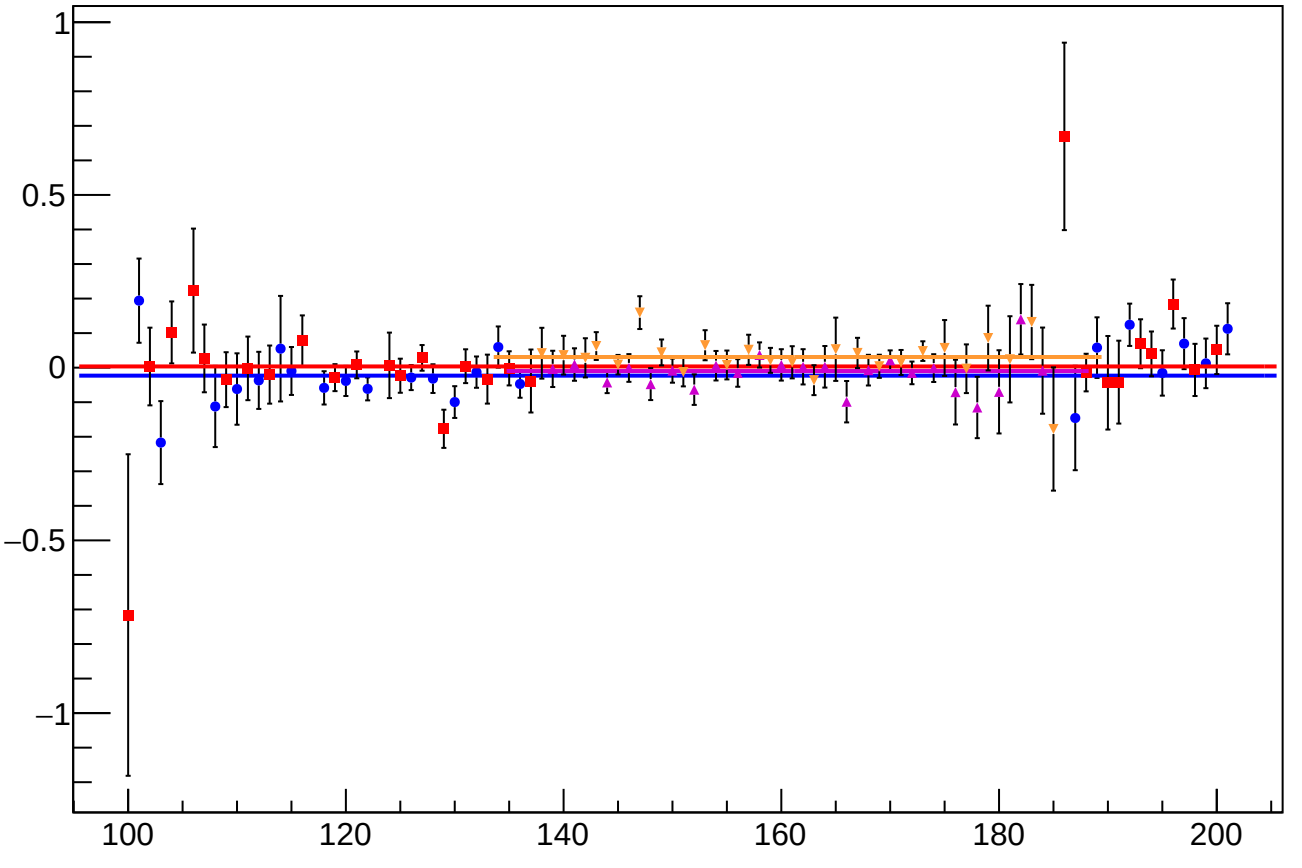
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.391+/-0.006 χ^2/NDF: 8440137.6/50

In: 37.236+/-0.005 χ^2/NDF:7390162.1/45

Out: 38.624+/-0.005 χ^2/NDF:8171506.7/52

All: 37.932+/-0.004 χ^2/NDF: 15597153.3/98



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: 0.004+/-0.012 χ^2/NDF: 33.6/27

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

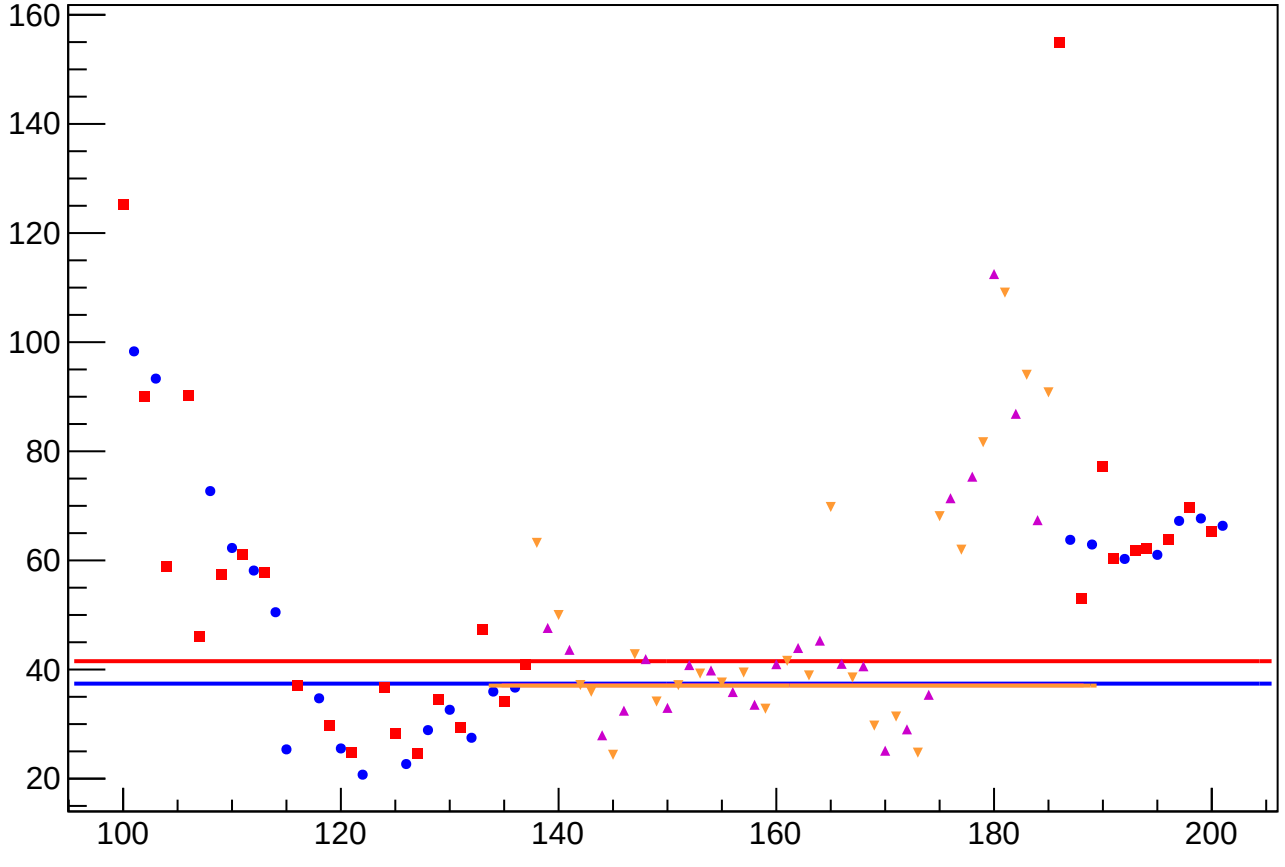
Right: -0.010+/-0.009 χ^2/NDF: 62.5/50

In: -0.015+/-0.007 χ^2/NDF:40.5/45

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 107.1/98

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: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

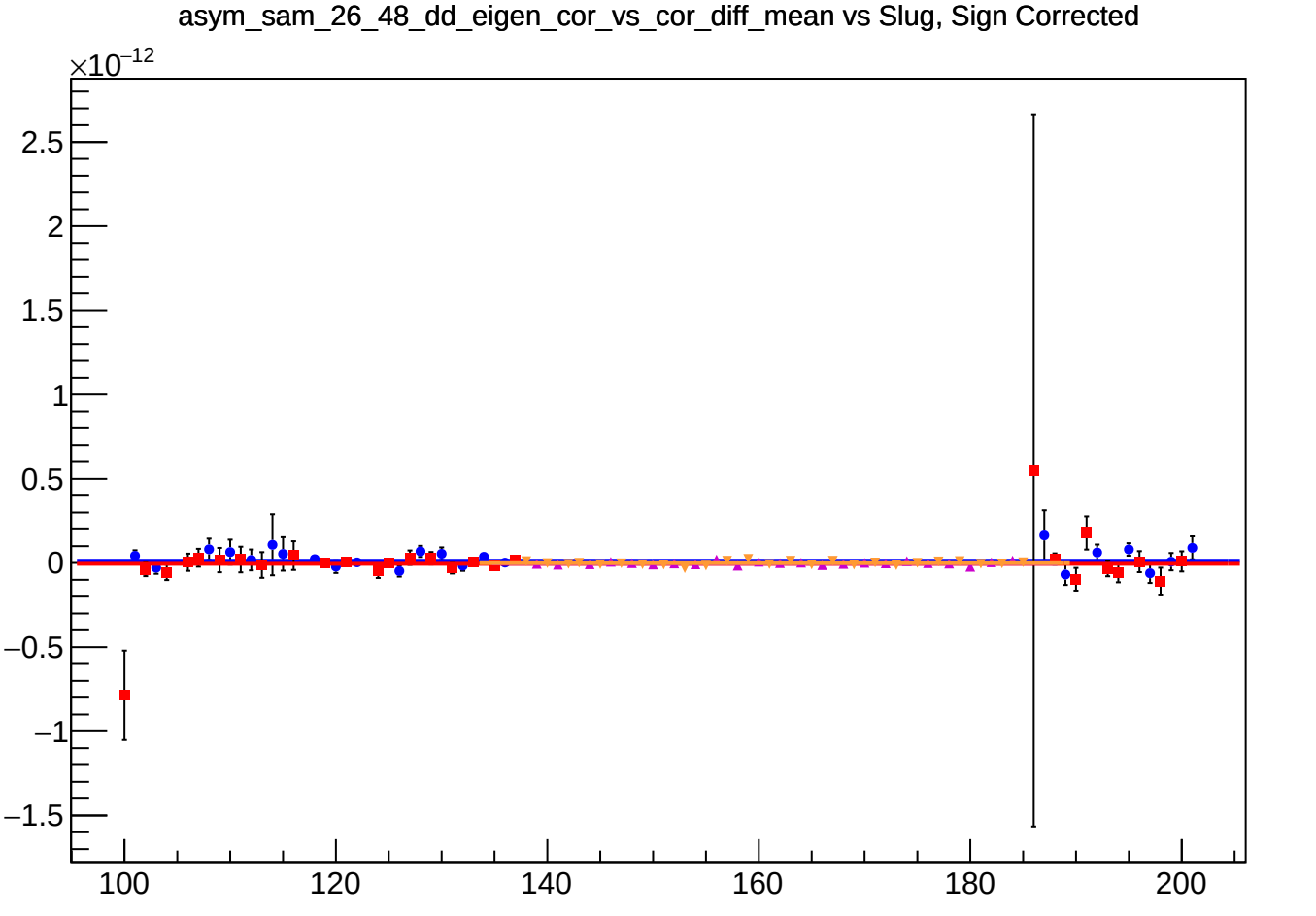
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.391+/-0.006 χ^2/NDF: 8440137.6/50

In: 37.236+/-0.005 χ^2/NDF:7390162.1/45

Out: 38.624+/-0.005 χ^2/NDF:8171506.7/52

All: 37.932+/-0.004 χ^2/NDF: 15597153.3/98



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: 26.7/27

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

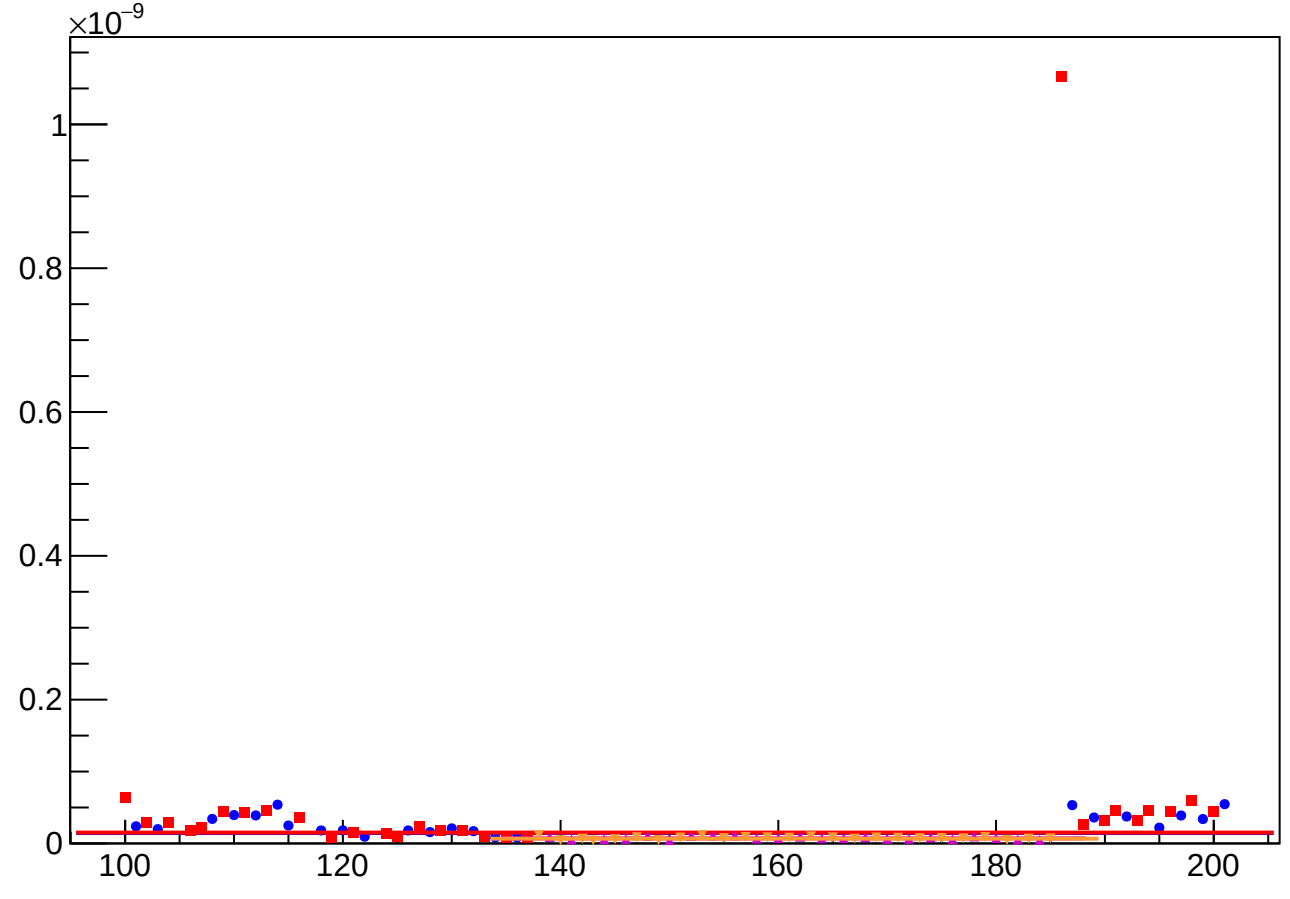
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 58.1/50

In: -0.000+/-0.000 χ^2/NDF:54.0/45

Out: -0.000+/-0.000 χ^2/NDF:53.0/52

All: -0.000+/-0.000 χ^2/NDF: 107.0/98



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: 6450397.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

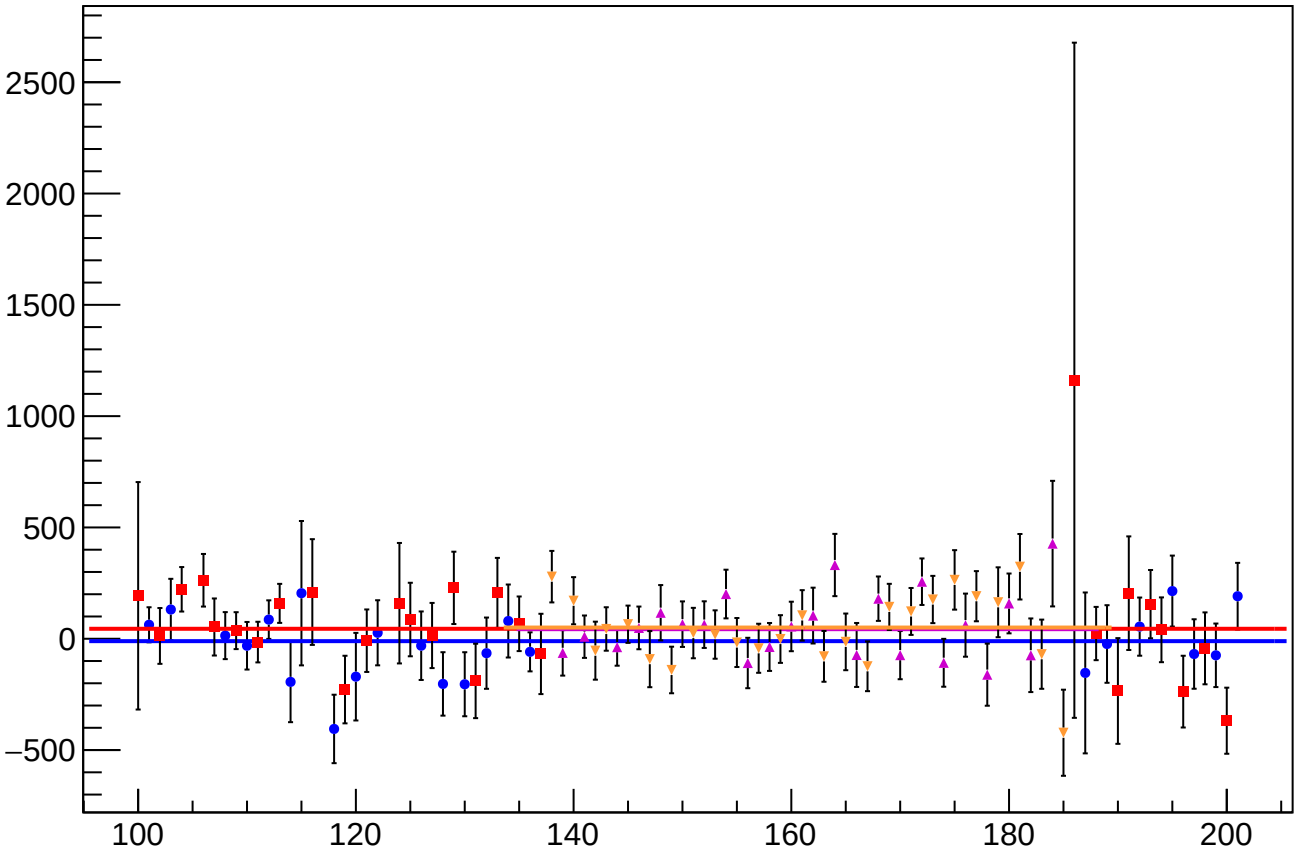
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11063670.5/50

In: 0.000+/-0.000 χ^2/NDF:8635717.9/45

Out: 0.000+/-0.000 χ^2/NDF:11713546.8/52

All: 0.000+/-0.000 χ^2/NDF: 20402916.4/98



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: 44.780+/-26.432 χ^2/NDF: 31.7/27

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

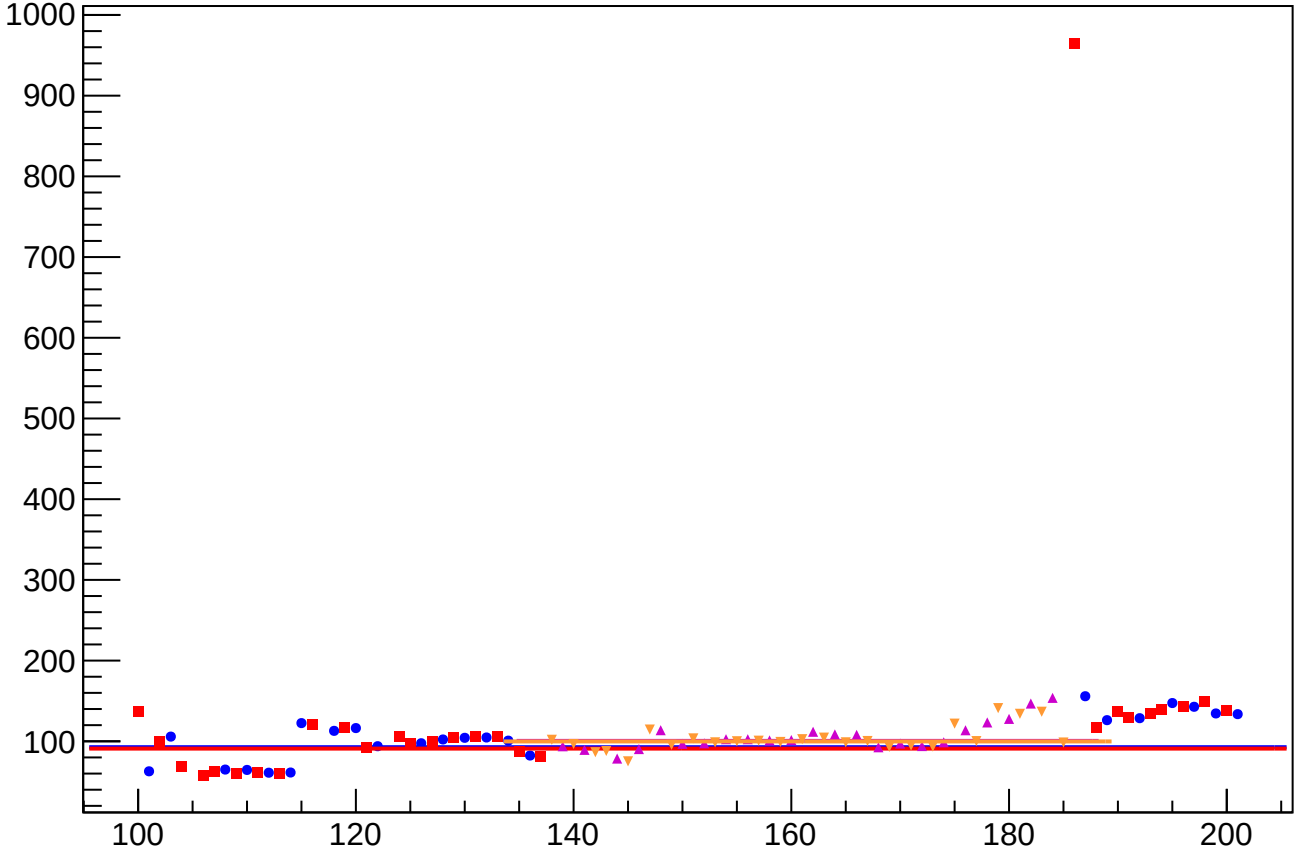
Right: 18.350+/-19.139 χ^2/NDF: 54.8/50

In: 20.267+/-18.048 χ^2/NDF:49.7/45

Out: 47.934+/-17.333 χ^2/NDF:65.2/52

All: 34.660+/-12.501 χ^2/NDF: 116.1/98

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: 90.950+/-0.019 χ^2/NDF: 3225582.7/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

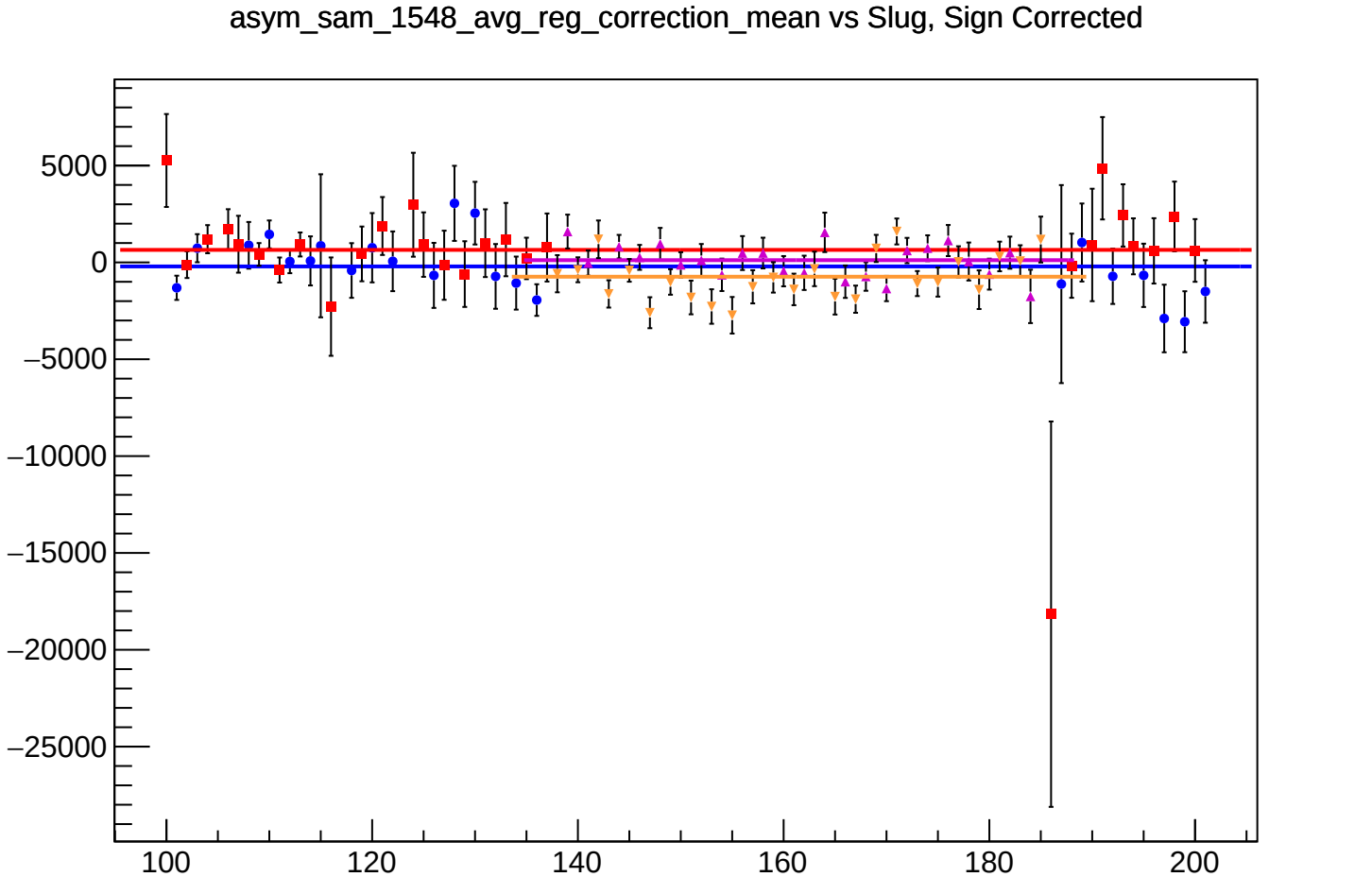
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 91.781+/-0.014 χ^2/NDF: 5336924.2/50

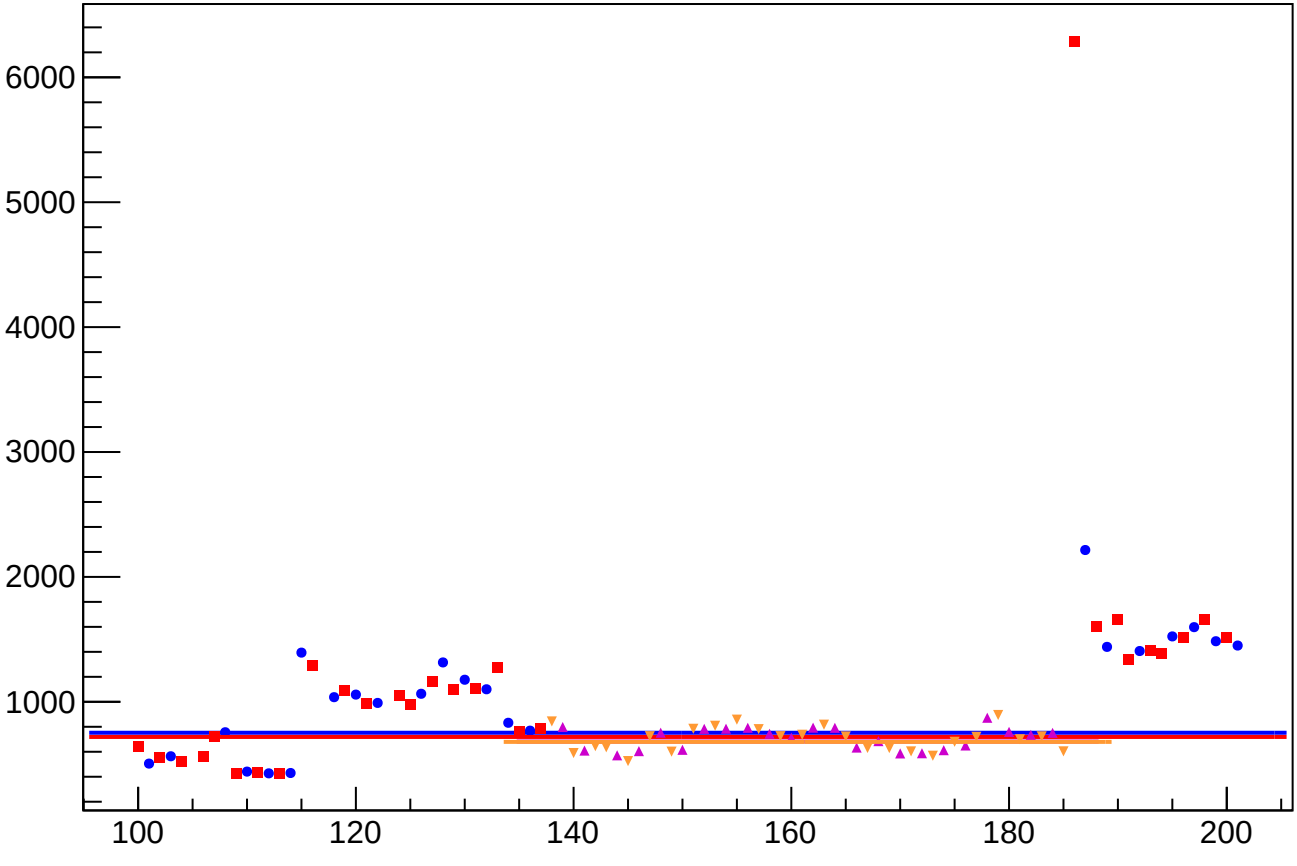
In: 97.199+/-0.013 χ^2/NDF:2855229.0/45

Out: 96.017+/-0.012 χ^2/NDF:4052264.1/52

All: 96.584+/-0.009 χ^2/NDF: 6911953.7/98


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: 645.980+/-222.907 χ²/NDF: 21.9/27
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.953+/-112.146 χ²/NDF: 87.9/47
Right: 250.055+/-163.230 χ²/NDF: 58.0/50
In: 15.110+/-133.643 χ²/NDF:54.3/45
Out: -282.030+/-127.980 χ²/NDF:97.5/52
All: -139.888+/-92.433 χ²/NDF: 154.3/98

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



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: 718.674+/-0.158 χ^2/NDF: 6331304.5/27

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

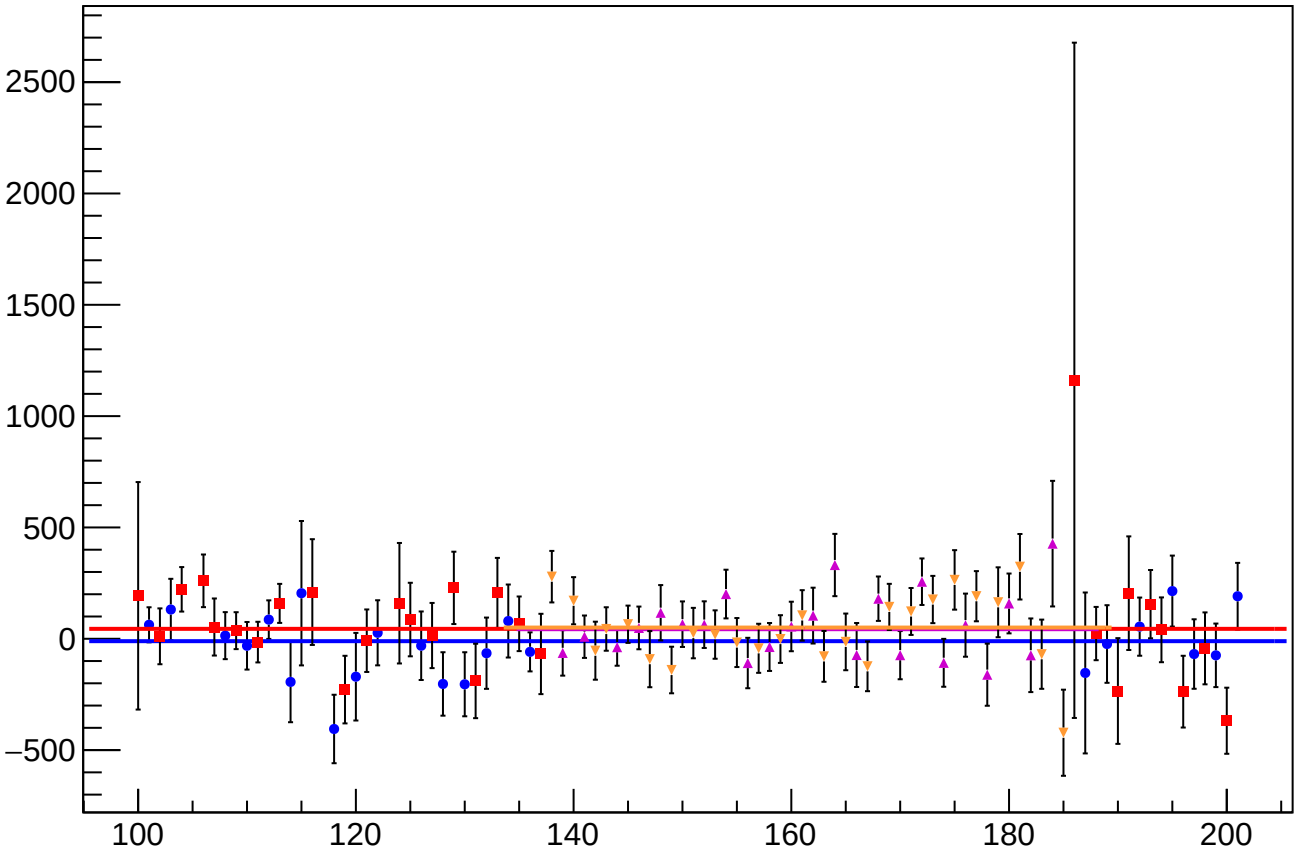
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 734.251+/-0.115 χ^2/NDF: 11139044.1/50

In: 703.769+/-0.094 χ^2/NDF:5479283.2/45

Out: 692.176+/-0.090 χ^2/NDF:7110882.4/52

All: 697.722+/-0.065 χ^2/NDF: 12598016.6/98



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: 44.573+/-26.433 χ^2/NDF: 31.6/27

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

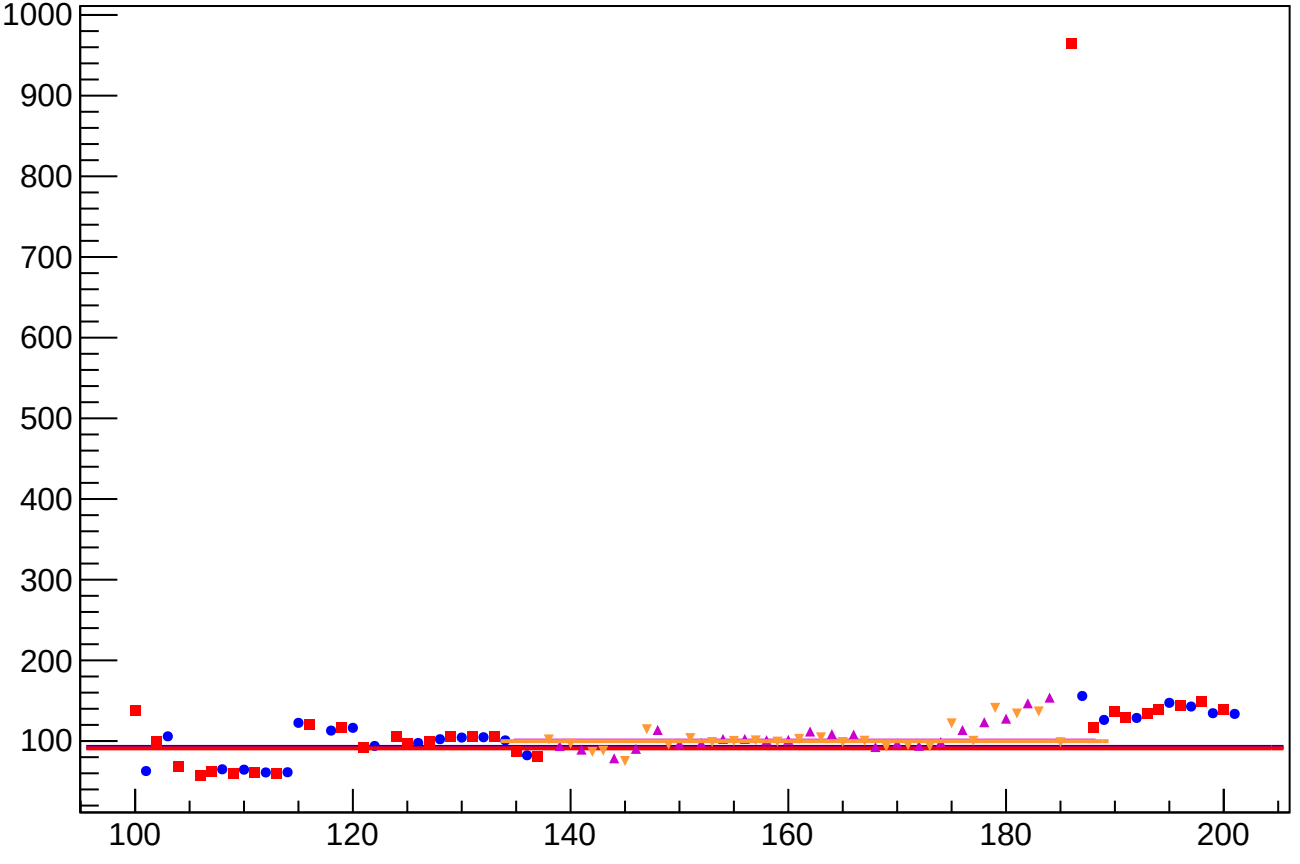
Right: 18.239+/-19.140 χ^2/NDF: 54.7/50

In: 20.266+/-18.048 χ^2/NDF:49.8/45

Out: 47.850+/-17.333 χ^2/NDF:65.1/52

All: 34.615+/-12.501 χ^2/NDF: 116.1/98

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: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

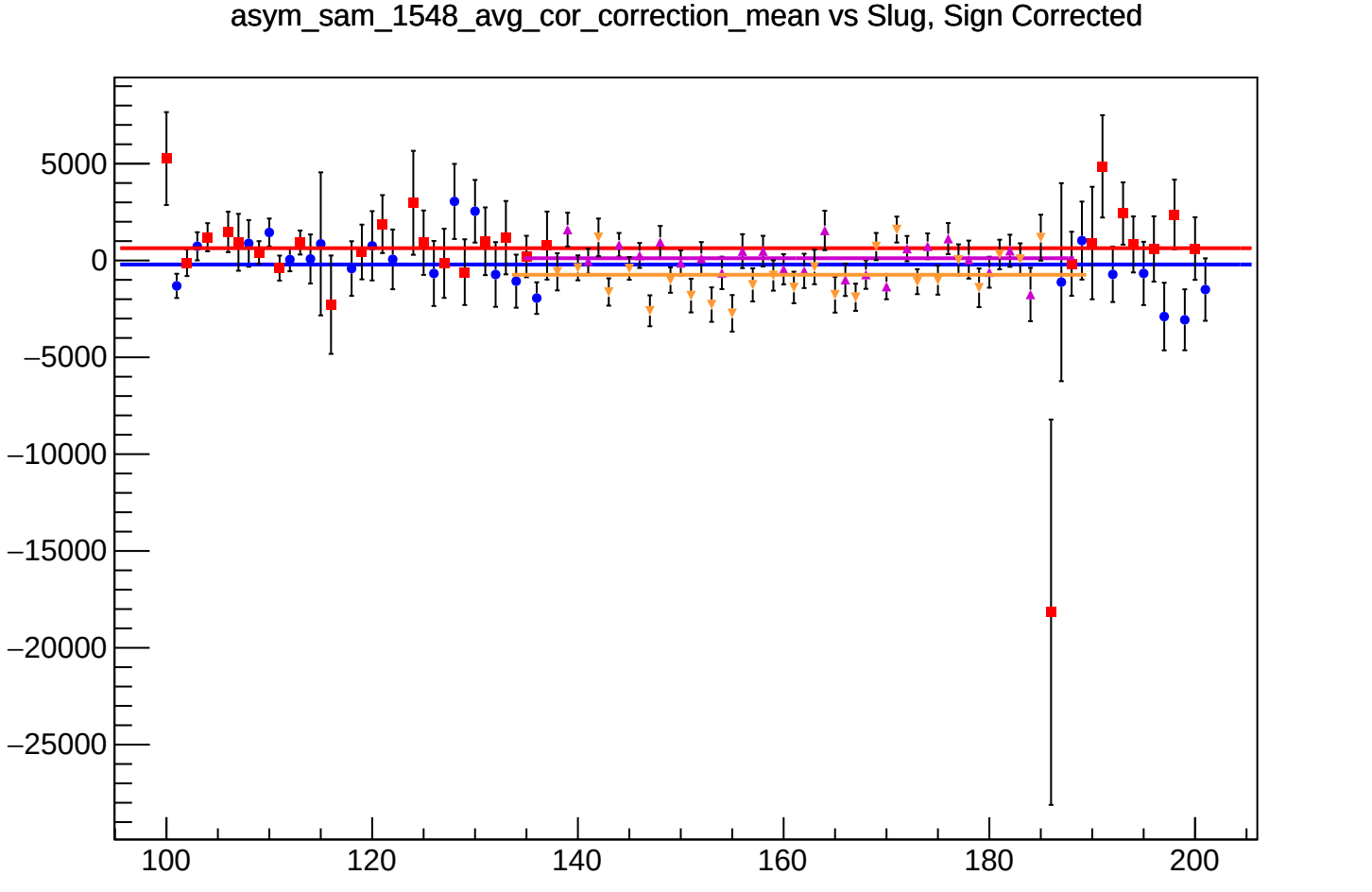
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 91.774+/-0.014 χ^2/NDF: 5340136.8/50

In: 97.199+/-0.013 χ^2/NDF:2855230.1/45

Out: 96.011+/-0.012 χ^2/NDF:4055791.5/52

All: 96.581+/-0.009 χ^2/NDF: 6915523.9/98



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: 634.765+/-223.028 χ^2/NDF: 21.5/27

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

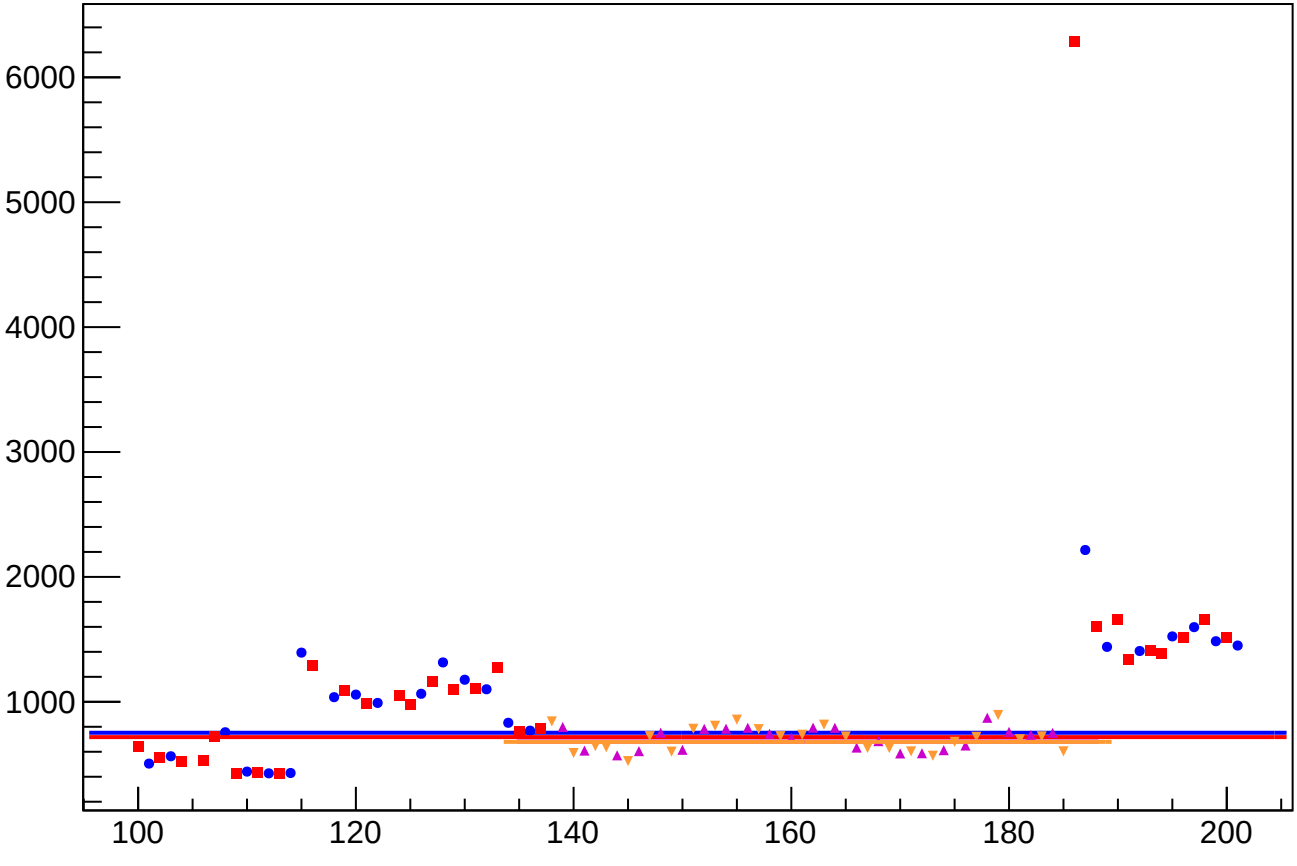
Right: 243.806+/-163.278 χ^2/NDF: 57.4/50

In: 15.104+/-133.643 χ^2/NDF:54.3/45

Out: -286.048+/-128.003 χ^2/NDF:96.6/52

All: -141.960+/-92.442 χ^2/NDF: 153.5/98

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



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: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

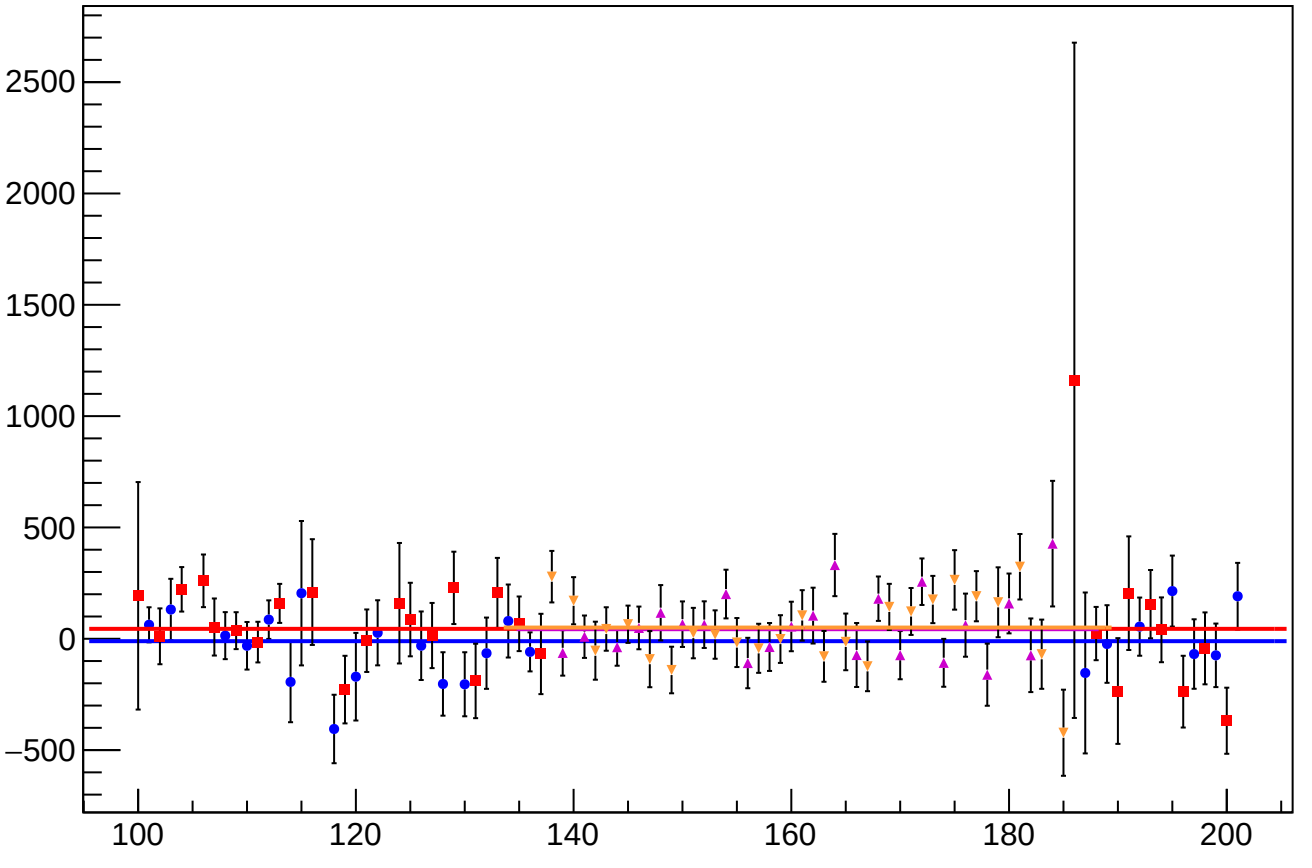
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

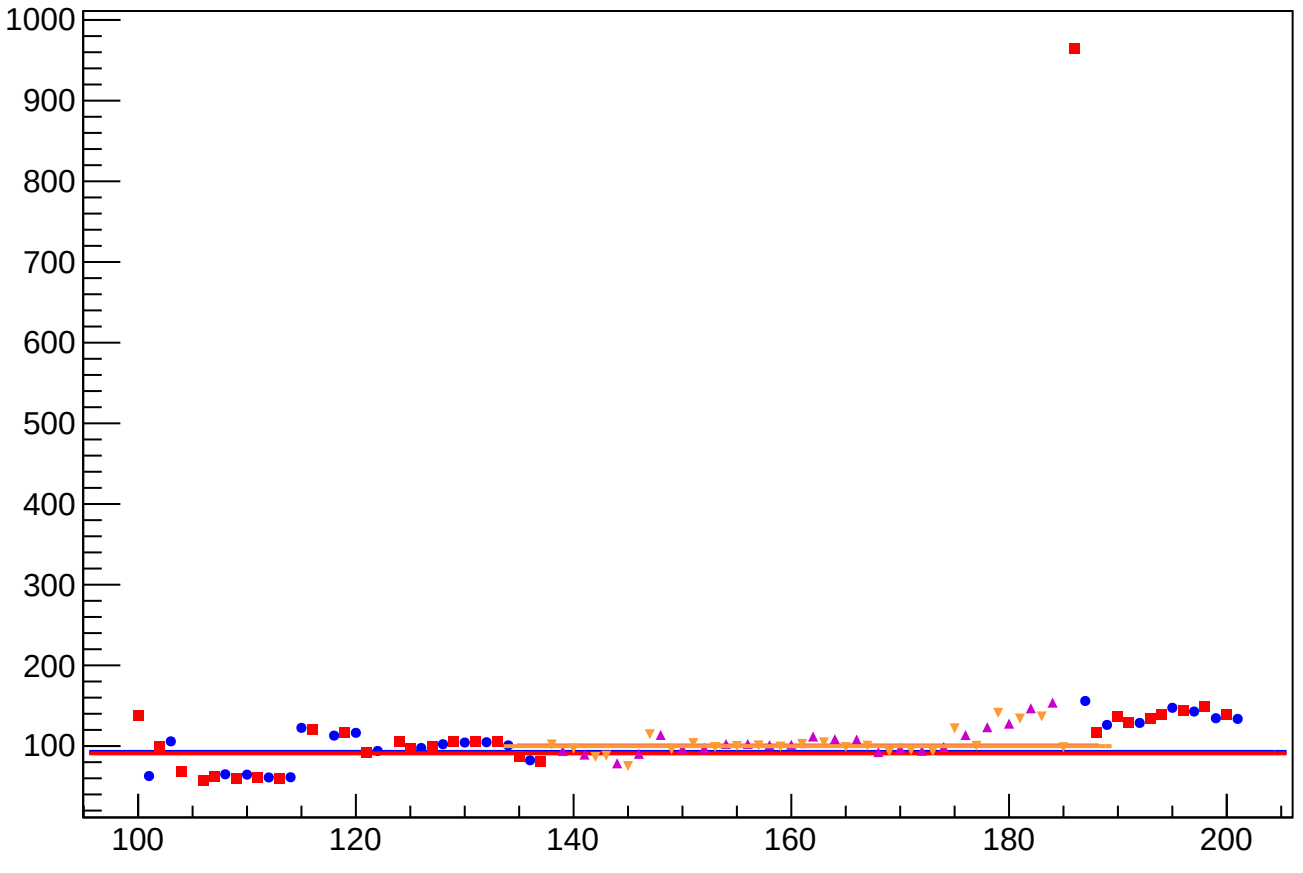
Right: 733.546+/-0.115 χ^2/NDF: 11160690.3/50

In: 703.772+/-0.094 χ^2/NDF:5479208.1/45

Out: 691.725+/-0.091 χ^2/NDF:7128082.3/52

All: 697.489+/-0.065 χ^2/NDF: 12615766.6/98


eigen_cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
200
Right In: -10.785+/-27.751 χ²/NDF: 21.0/22
Left Out: 50.322+/-22.958 χ²/NDF:33.4/24
Right Out: 44.573+/-26.433 χ²/NDF: 31.6/27
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.799+/-16.509 χ²/NDF: 60.1/47
Right: 18.239+/-19.140 χ²/NDF: 54.7/50
In: 20.266+/-18.048 χ²/NDF:49.8/45
Out: 47.850+/-17.333 χ²/NDF:65.1/52
All: 34.615+/-12.501 χ²/NDF: 116.1/98



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: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

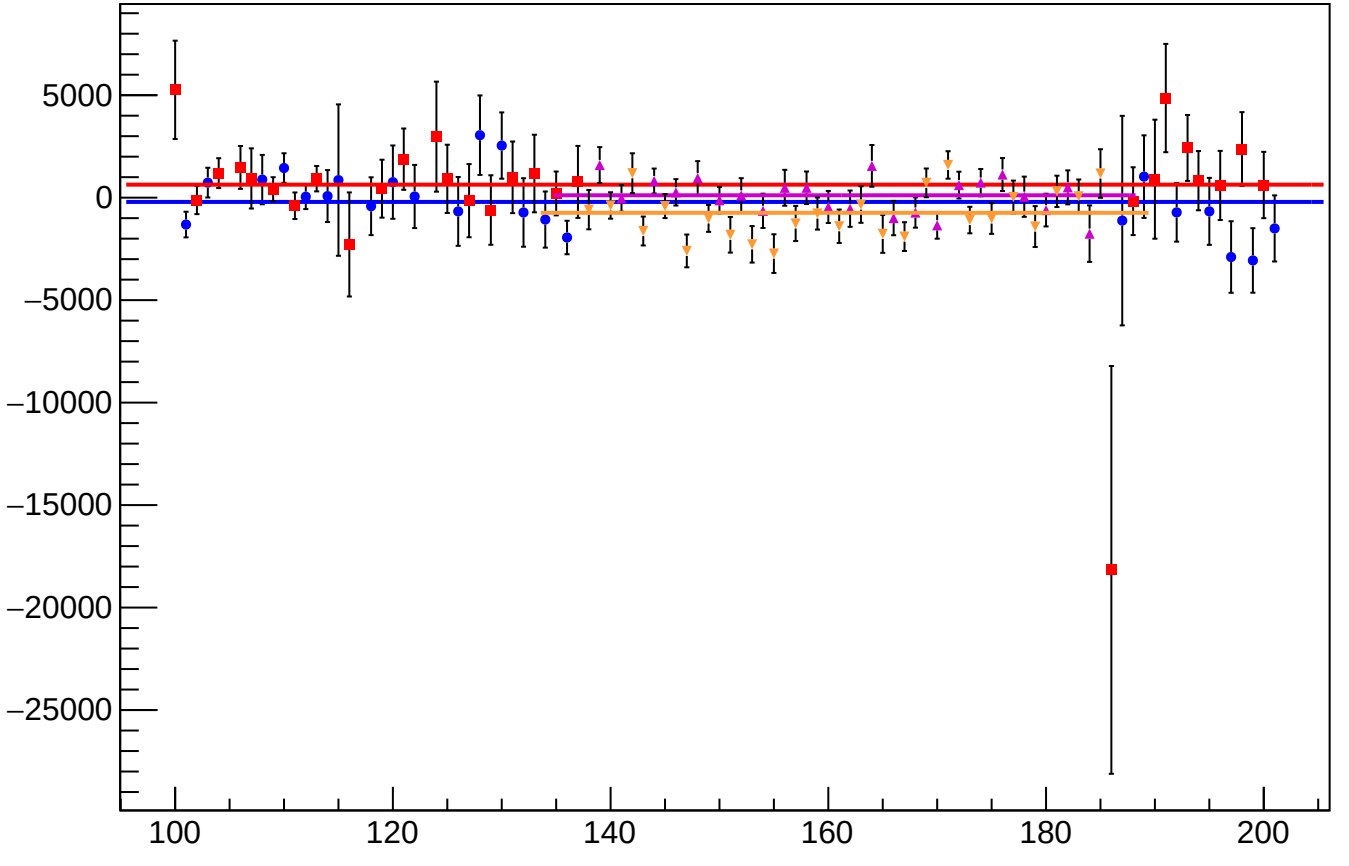
Right: 91.774+/-0.014 χ^2/NDF: 5340136.8/50

In: 97.199+/-0.013 χ^2/NDF:2855230.1/45

Out: 96.011+/-0.012 χ^2/NDF:4055791.5/52

All: 96.581+/-0.009 χ^2/NDF: 6915523.9/98

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 634.765+/-223.028 χ^2/NDF: 21.5/27

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

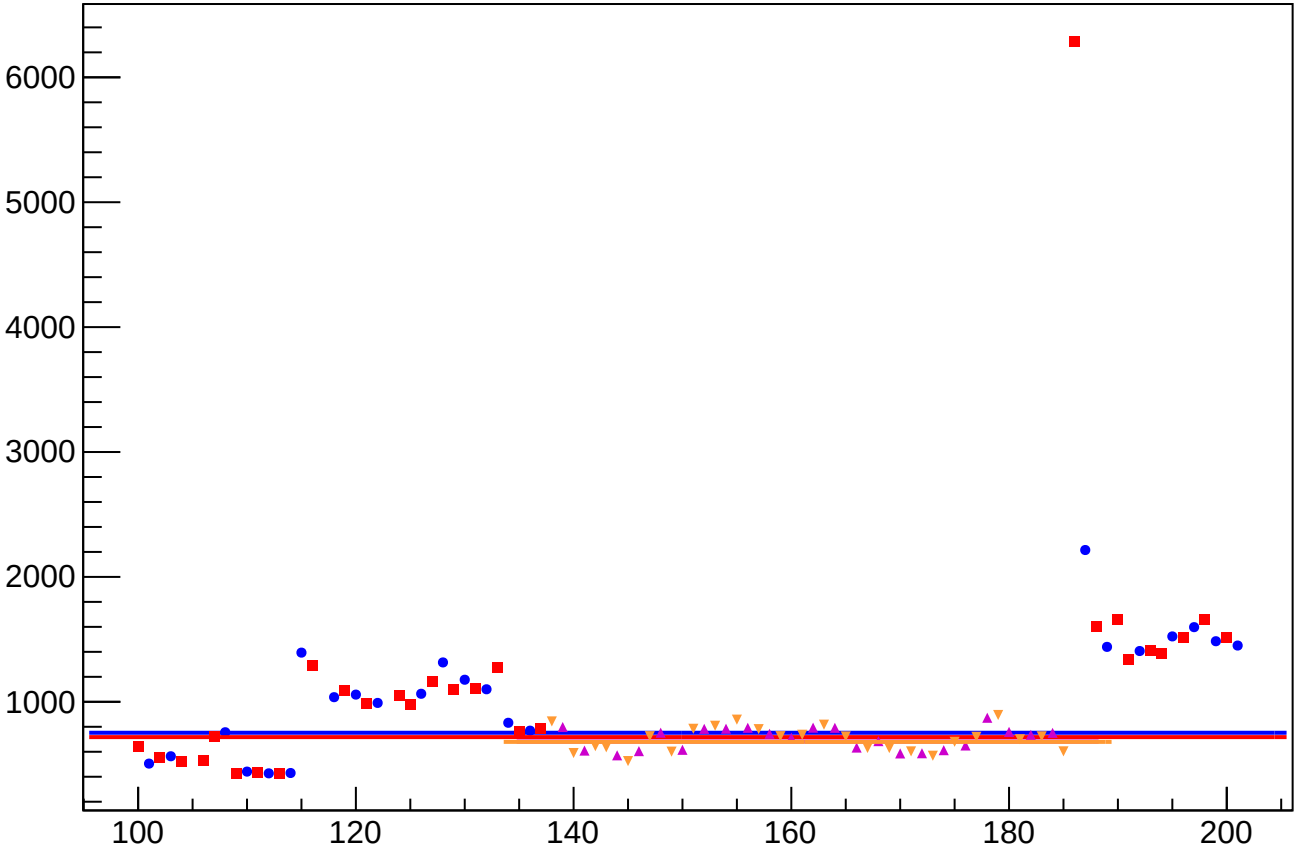
Right: 243.806+/-163.278 χ^2/NDF: 57.4/50

In: 15.104+/-133.643 χ^2/NDF:54.3/45

Out: -286.048+/-128.003 χ^2/NDF:96.6/52

All: -141.960+/-92.442 χ^2/NDF: 153.5/98

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

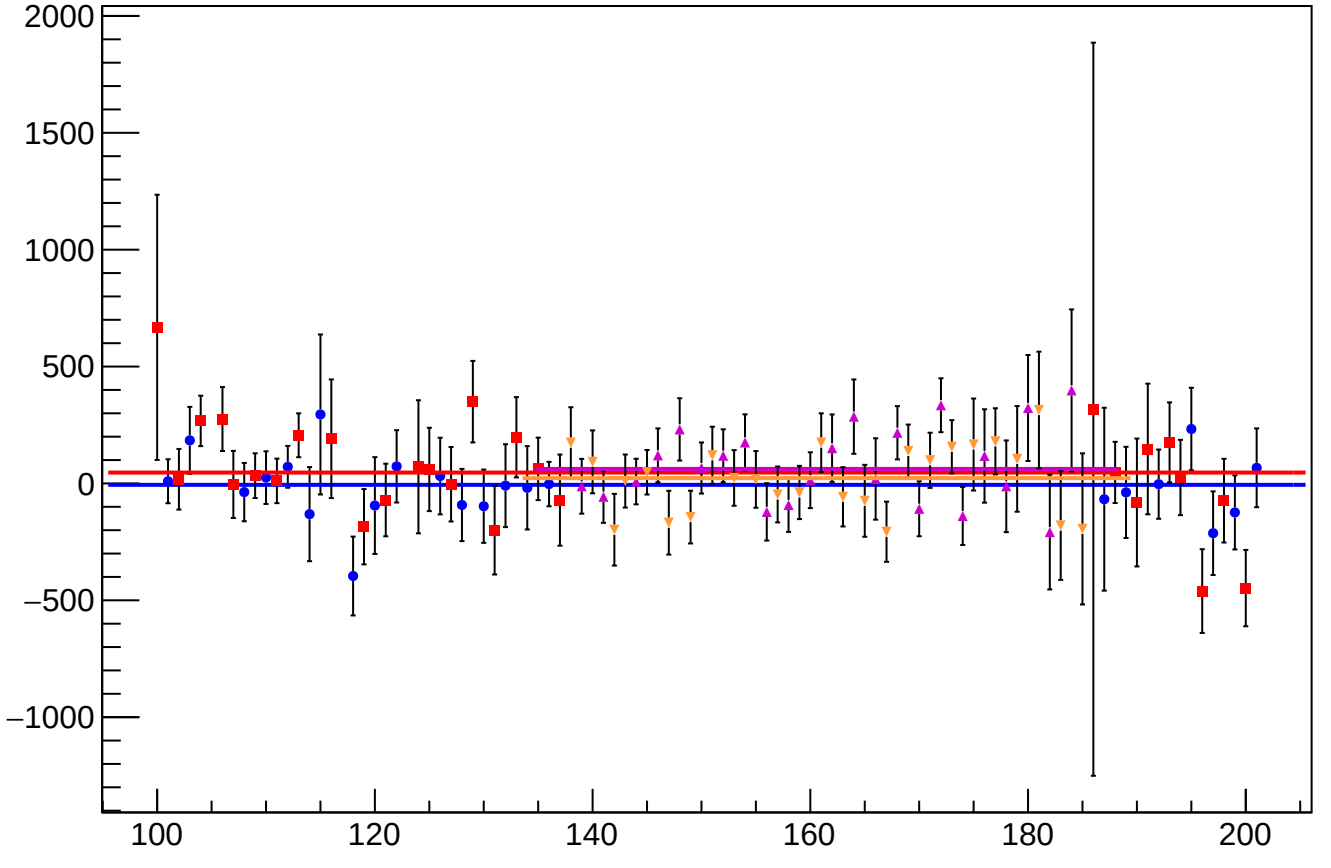
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 733.546+/-0.115 χ^2/NDF: 11160690.3/50

In: 703.772+/-0.094 χ^2/NDF:5479208.1/45

Out: 691.725+/-0.091 χ^2/NDF:7128082.3/52

All: 697.489+/-0.065 χ^2/NDF: 12615766.6/98



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: 46.623+/-28.909 χ^2/NDF: 38.9/27

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

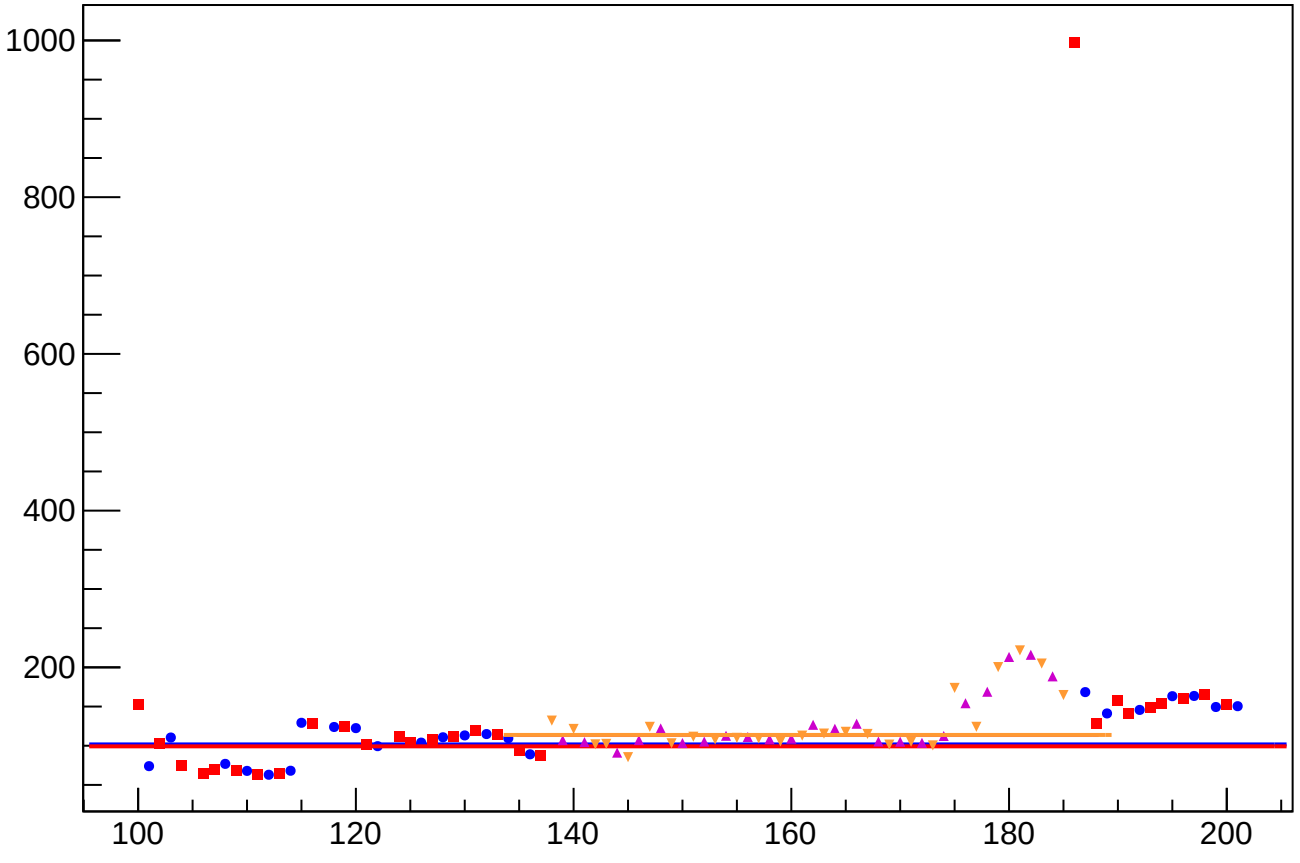
Right: 21.718+/-20.986 χ^2/NDF: 54.8/50

In: 31.801+/-20.361 χ^2/NDF:44.4/45

Out: 33.602+/-19.592 χ^2/NDF:60.9/52

All: 32.736+/-14.118 χ^2/NDF: 105.3/98

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 99.211+/-0.020 χ^2/NDF: 3258142.1/27

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

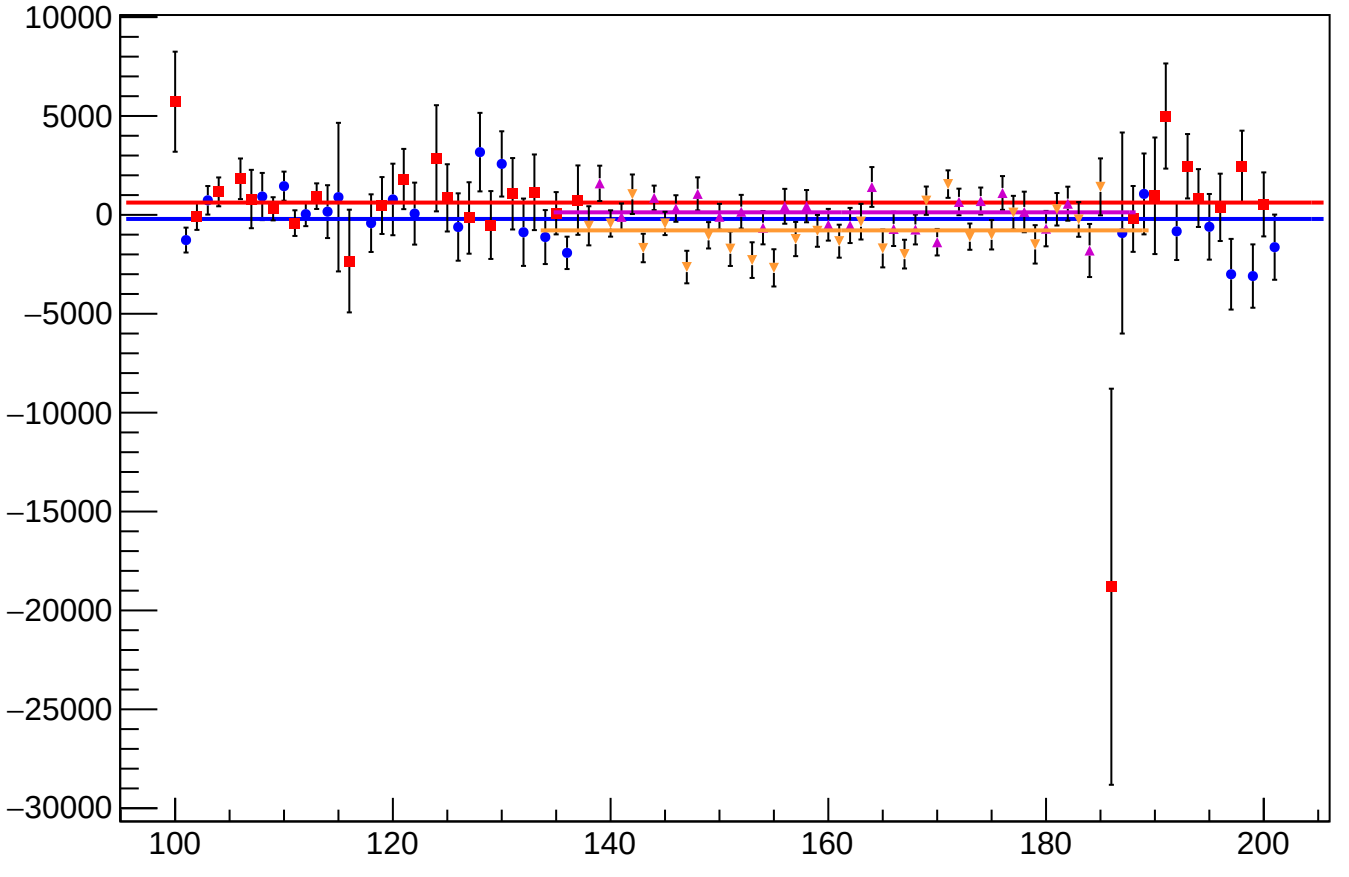
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 100.369+/-0.015 χ^2/NDF: 5421658.3/50

In: 108.325+/-0.014 χ^2/NDF:3644877.2/45

Out: 107.081+/-0.014 χ^2/NDF:5112208.5/52

All: 107.679+/-0.010 χ^2/NDF: 8760961.8/98



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: 621.273+/-225.379 χ^2/NDF: 22.8/27

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

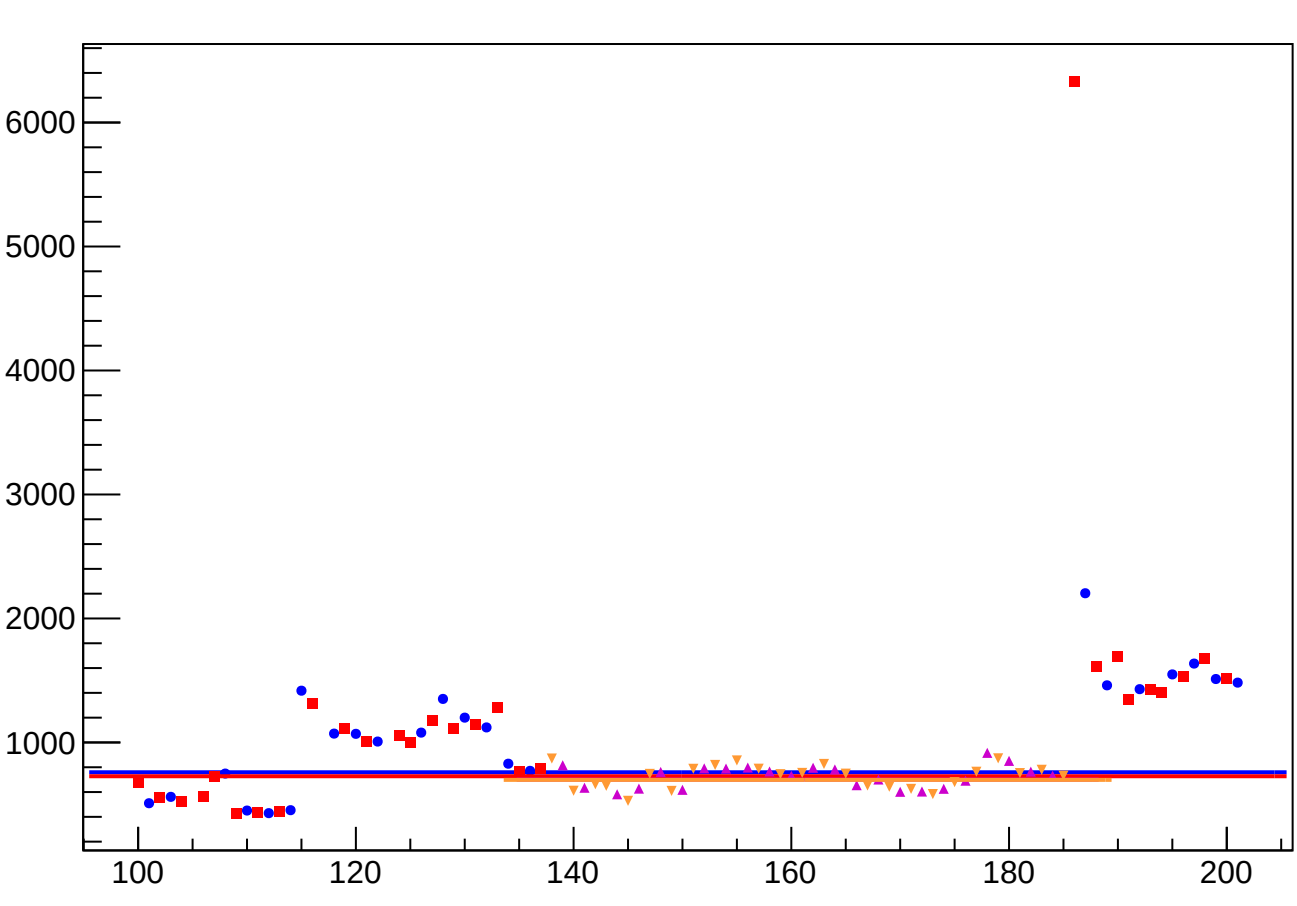
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 236.962+/-164.993 χ^2/NDF: 58.2/50

In: 21.737+/-136.507 χ^2/NDF:53.2/45

Out: -311.402+/-130.727 χ^2/NDF:94.0/52

All: -152.034+/-94.415 χ^2/NDF: 150.3/98



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: 727.493+/-0.159 χ^2/NDF: 6317042.1/27

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

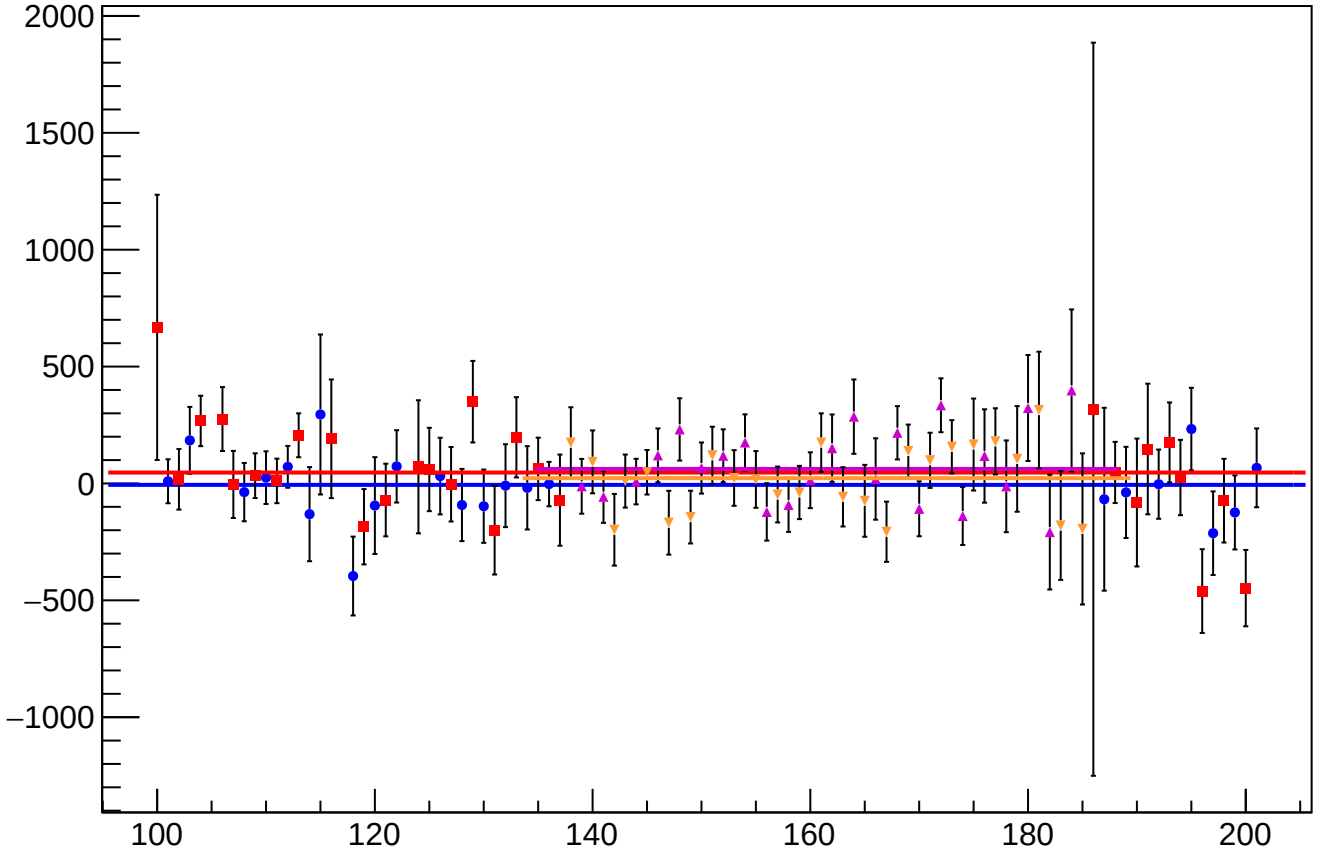
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 742.336+/-0.117 χ^2/NDF: 11178125.5/50

In: 718.948+/-0.097 χ^2/NDF:5508787.5/45

Out: 708.080+/-0.092 χ^2/NDF:7054090.4/52

All: 713.279+/-0.067 χ^2/NDF: 12569490.3/98



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: 46.622+/-28.909 χ^2/NDF: 38.9/27

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

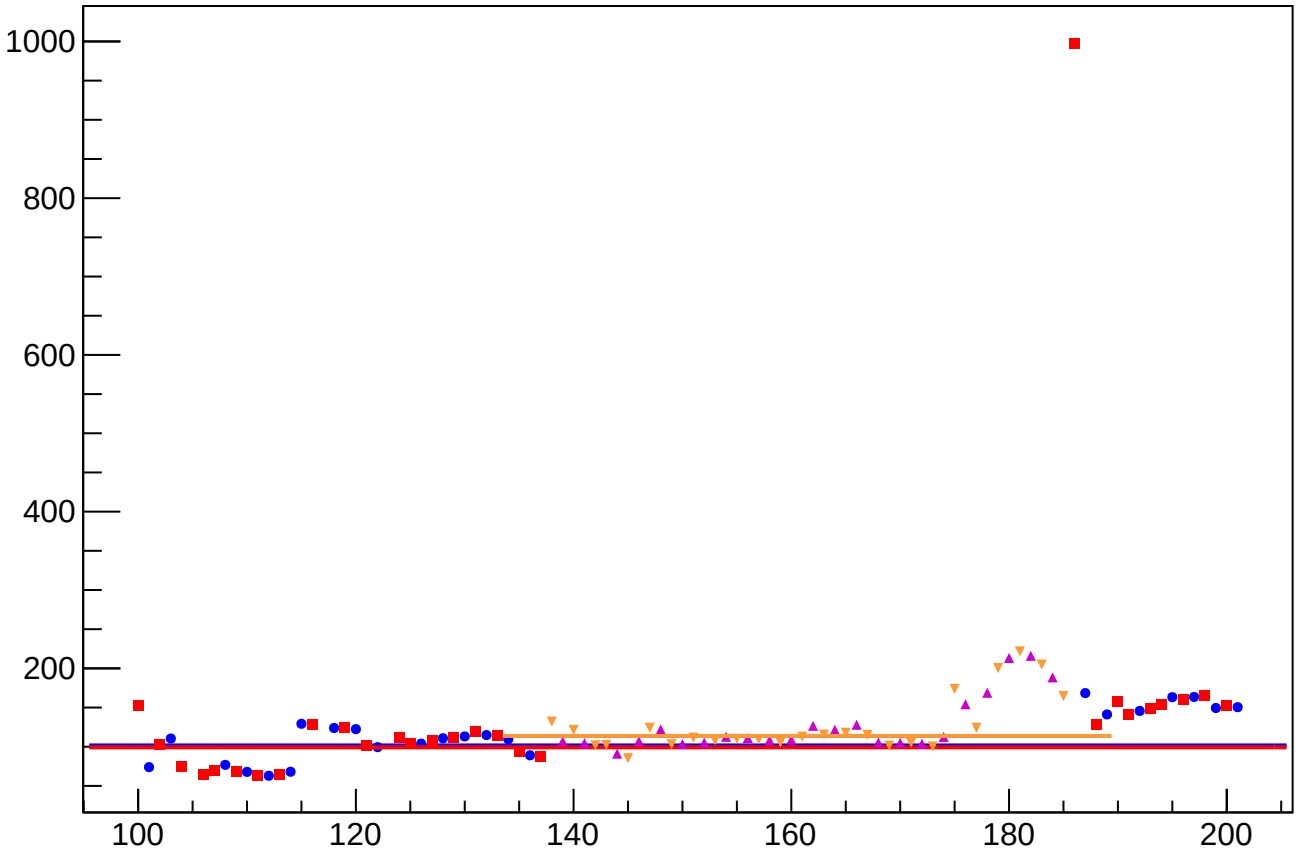
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 21.718+/-20.986 χ^2/NDF: 54.8/50

In: 31.801+/-20.361 χ^2/NDF:44.4/45

Out: 33.602+/-19.592 χ^2/NDF:60.9/52

All: 32.737+/-14.118 χ^2/NDF: 105.3/98



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: 99.211+/-0.020 χ^2/NDF: 3258142.9/27

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

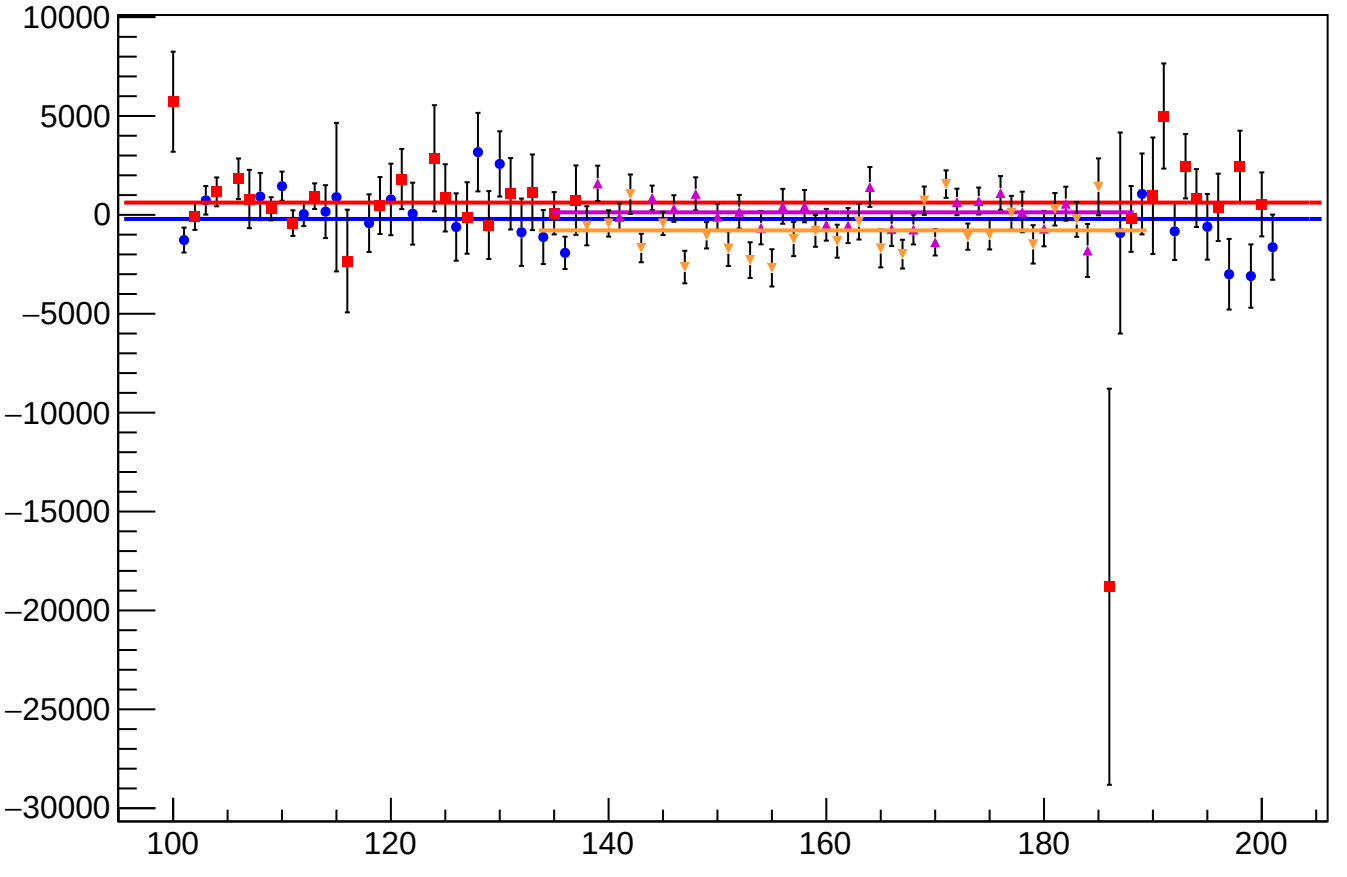
Right: 100.369+/-0.015 χ^2/NDF: 5421649.6/50

In: 108.325+/-0.014 χ^2/NDF:3644852.4/45

Out: 107.081+/-0.014 χ^2/NDF:5112205.6/52

All: 107.679+/-0.010 χ^2/NDF: 8760934.2/98

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 621.272+/-225.379 χ^2/NDF: 22.8/27

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

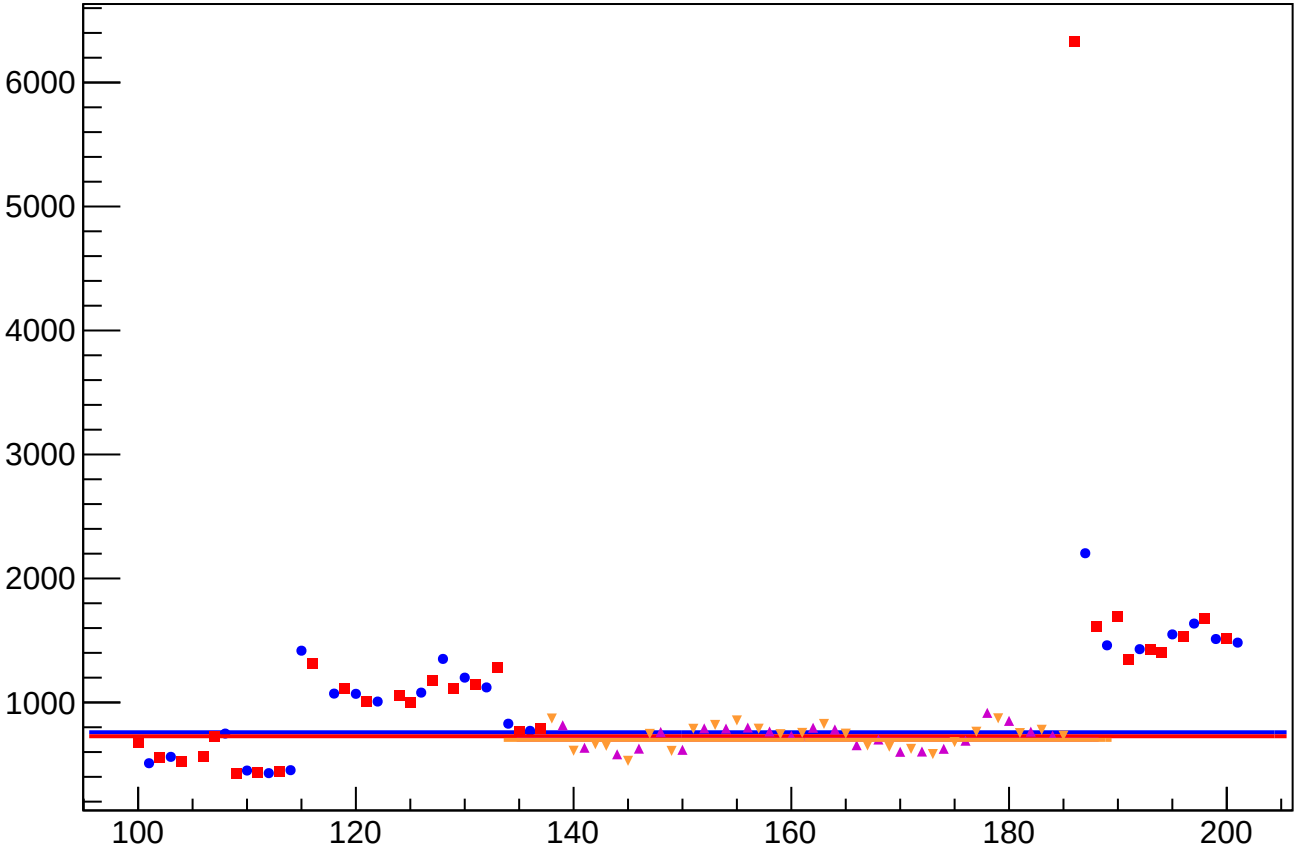
Right: 236.962+/-164.993 χ^2/NDF: 58.2/50

In: 21.736+/-136.507 χ^2/NDF:53.2/45

Out: -311.401+/-130.727 χ^2/NDF:94.0/52

All: -152.034+/-94.415 χ^2/NDF: 150.3/98

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 727.492+/-0.159 χ^2/NDF: 6317038.7/27

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

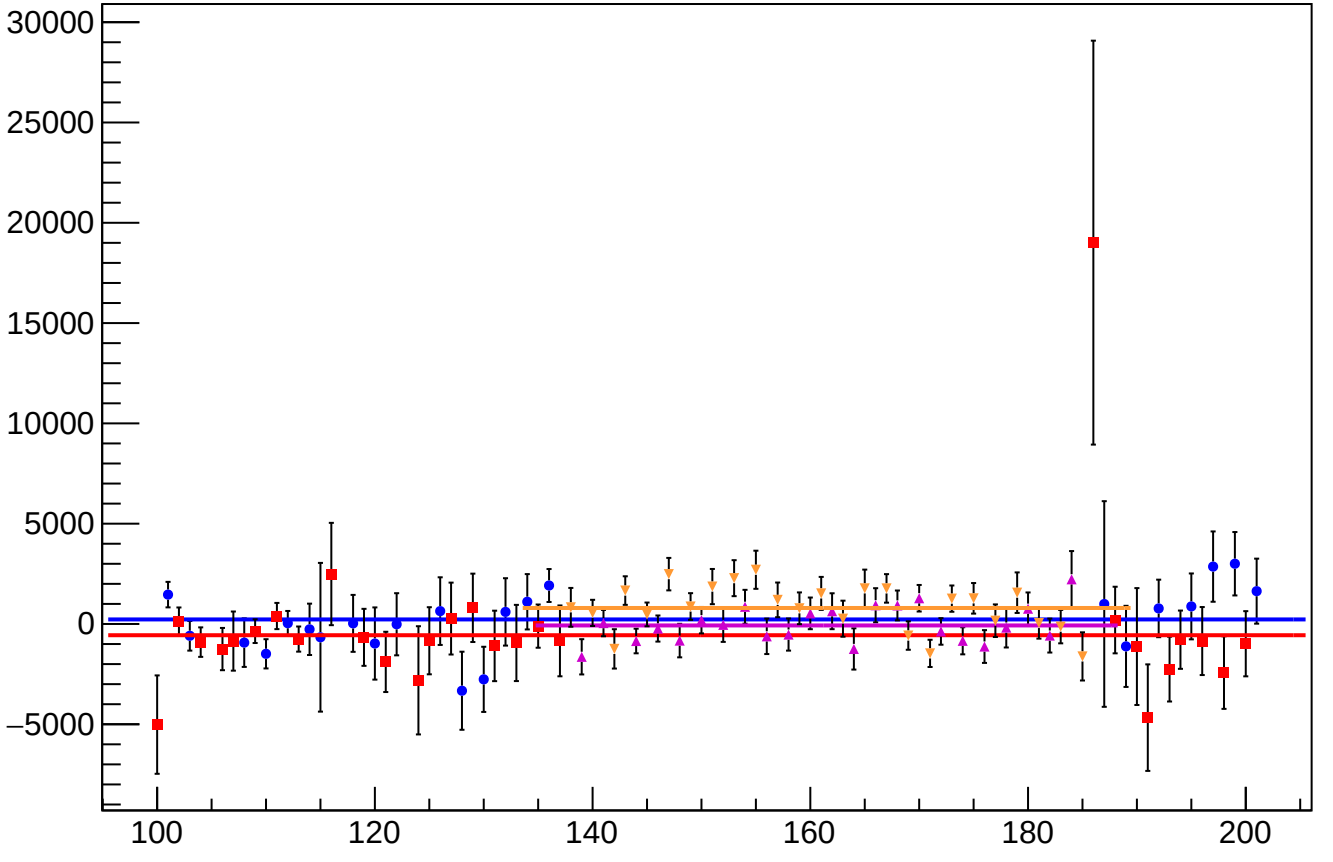
Right: 742.335+/-0.117 χ^2/NDF: 11178123.6/50

In: 718.947+/-0.097 χ^2/NDF:5508783.8/45

Out: 708.079+/-0.092 χ^2/NDF:7054085.3/52

All: 713.278+/-0.067 χ^2/NDF: 12569481.7/98

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: -560.828+/-225.174 χ^2/NDF: 20.1/27

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

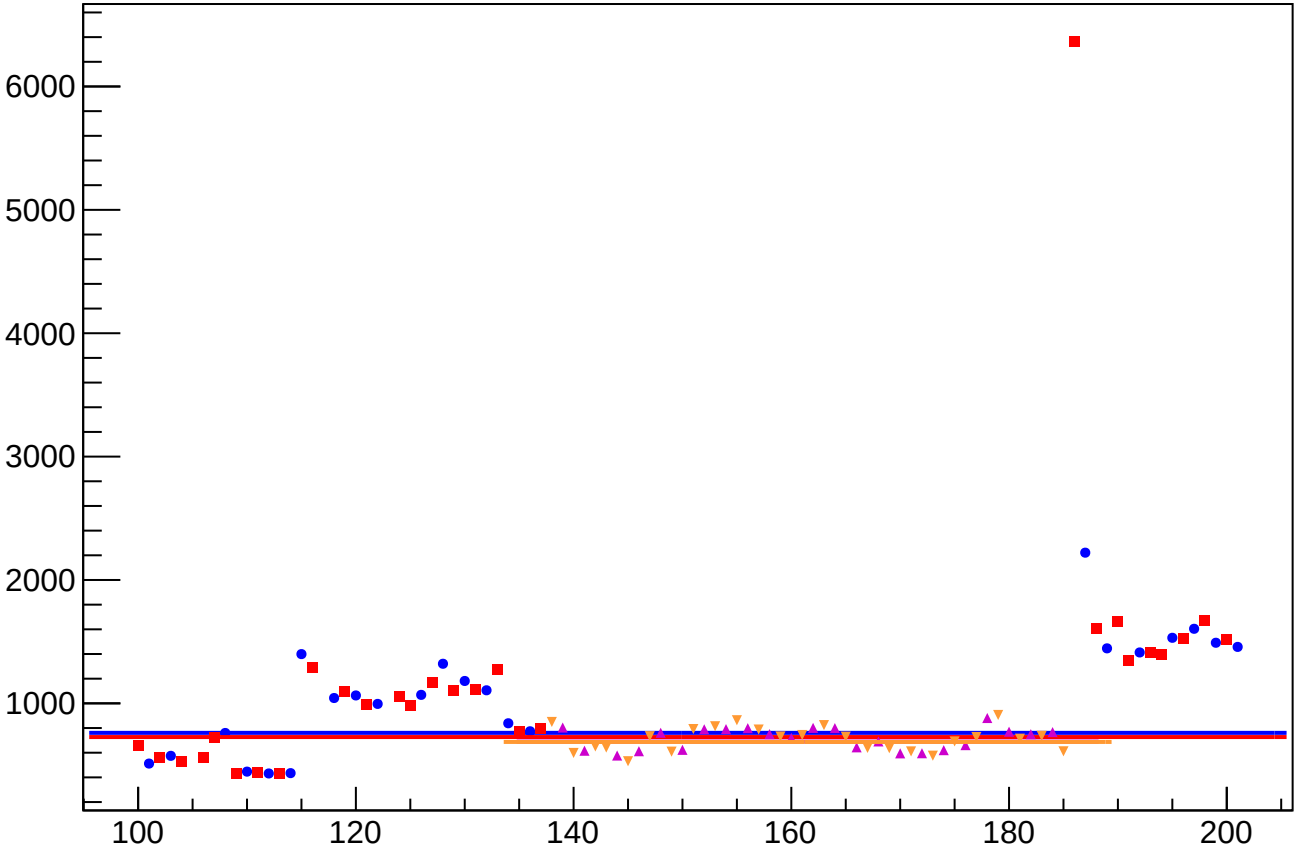
Right: -195.712+/-164.879 χ^2/NDF: 56.4/50

In: 19.929+/-135.140 χ^2/NDF:56.5/45

Out: 348.425+/-129.414 χ^2/NDF:90.9/52

All: 191.284+/-93.468 χ^2/NDF: 150.5/98

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: 726.845+/-0.159 χ^2/NDF: 6265747.8/27

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

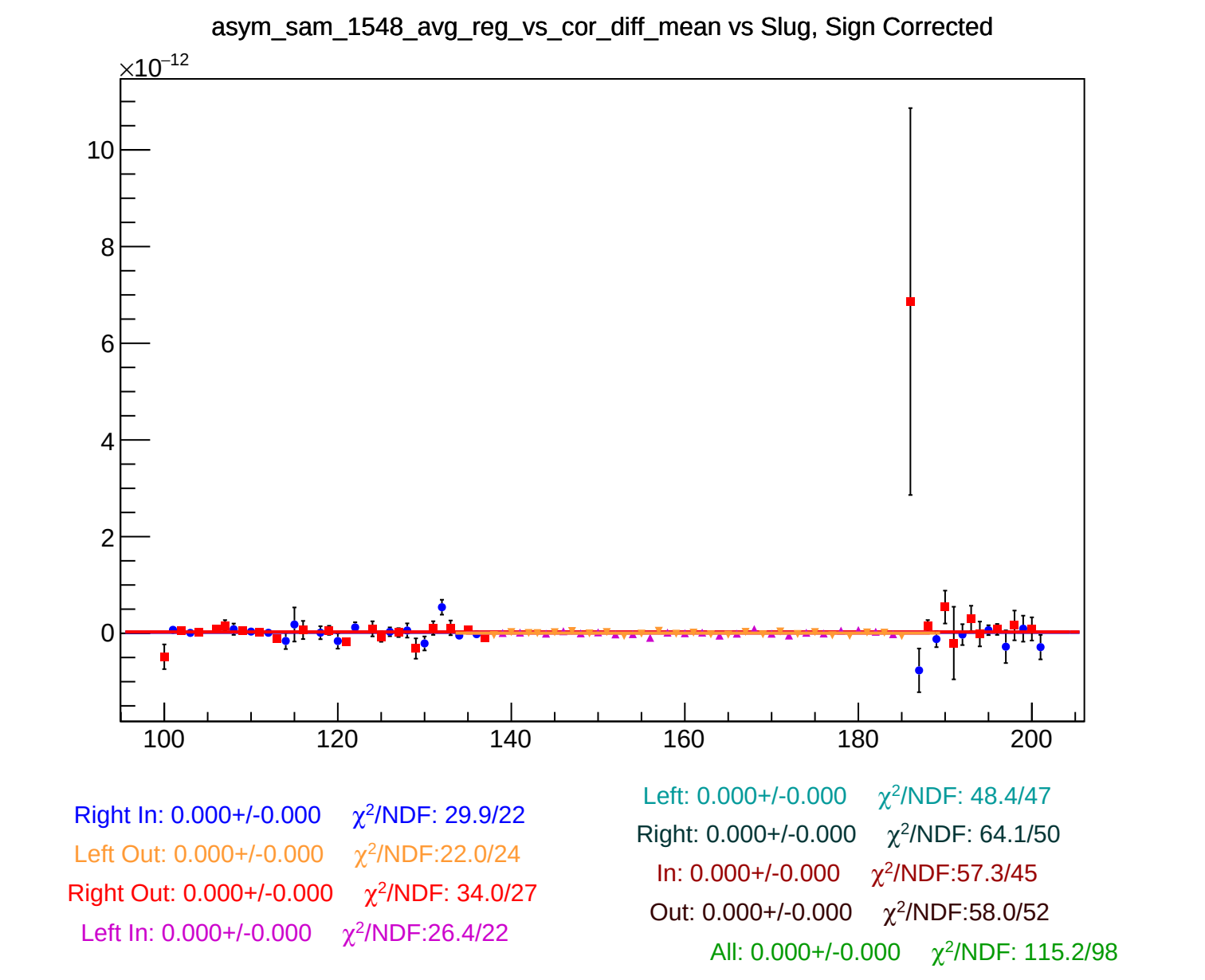
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

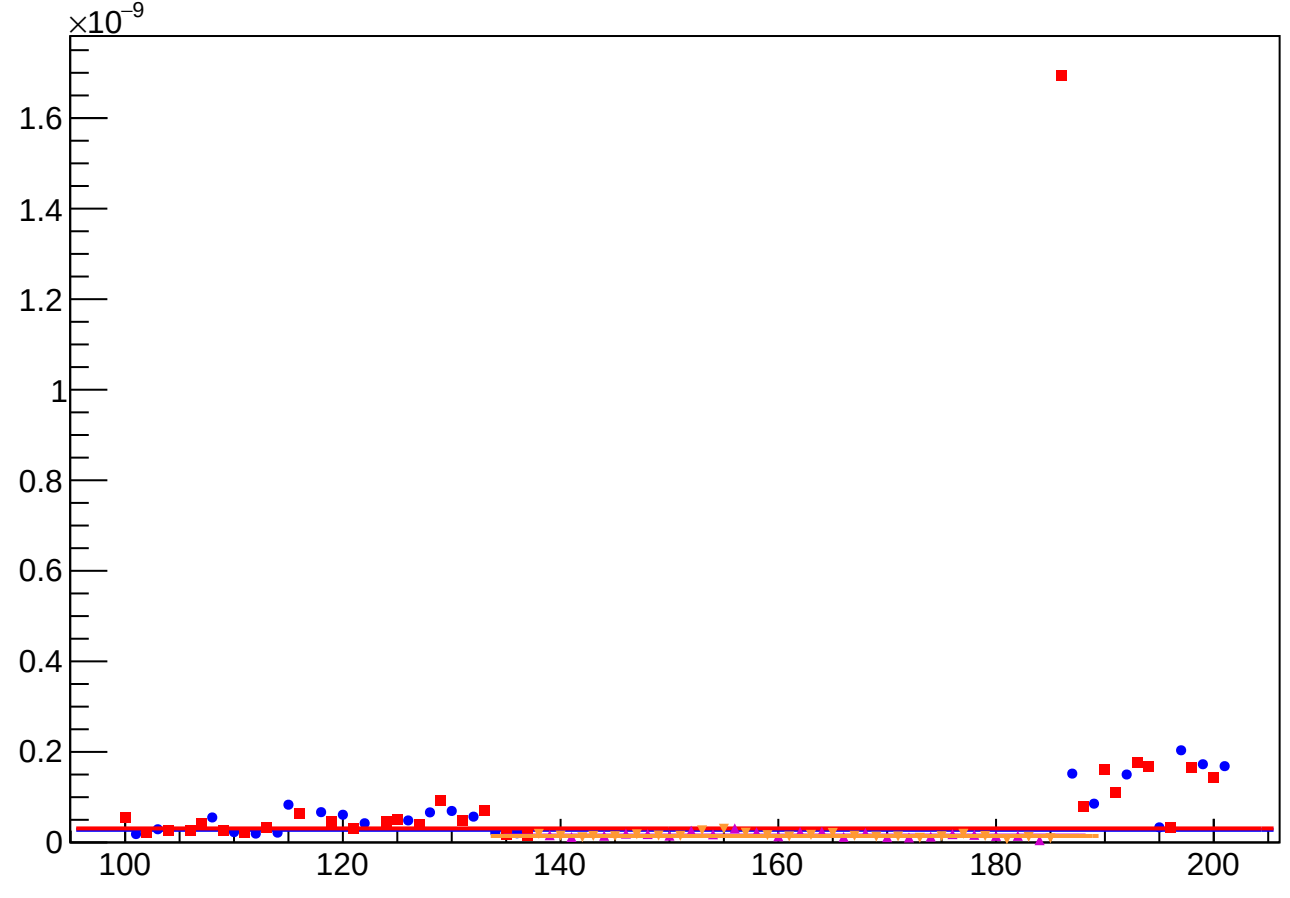
Right: 742.674+/-0.117 χ^2/NDF: 11008089.3/50

In: 712.112+/-0.096 χ^2/NDF:5406453.4/45

Out: 700.324+/-0.092 χ^2/NDF:7035171.1/52

All: 705.963+/-0.066 χ^2/NDF: 12449562.9/98


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: 34.0/27
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: 64.1/50
In: 0.000+/-0.000 χ²/NDF:57.3/45
Out: 0.000+/-0.000 χ²/NDF:58.0/52
All: 0.000+/-0.000 χ²/NDF: 115.2/98



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: 4083263.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

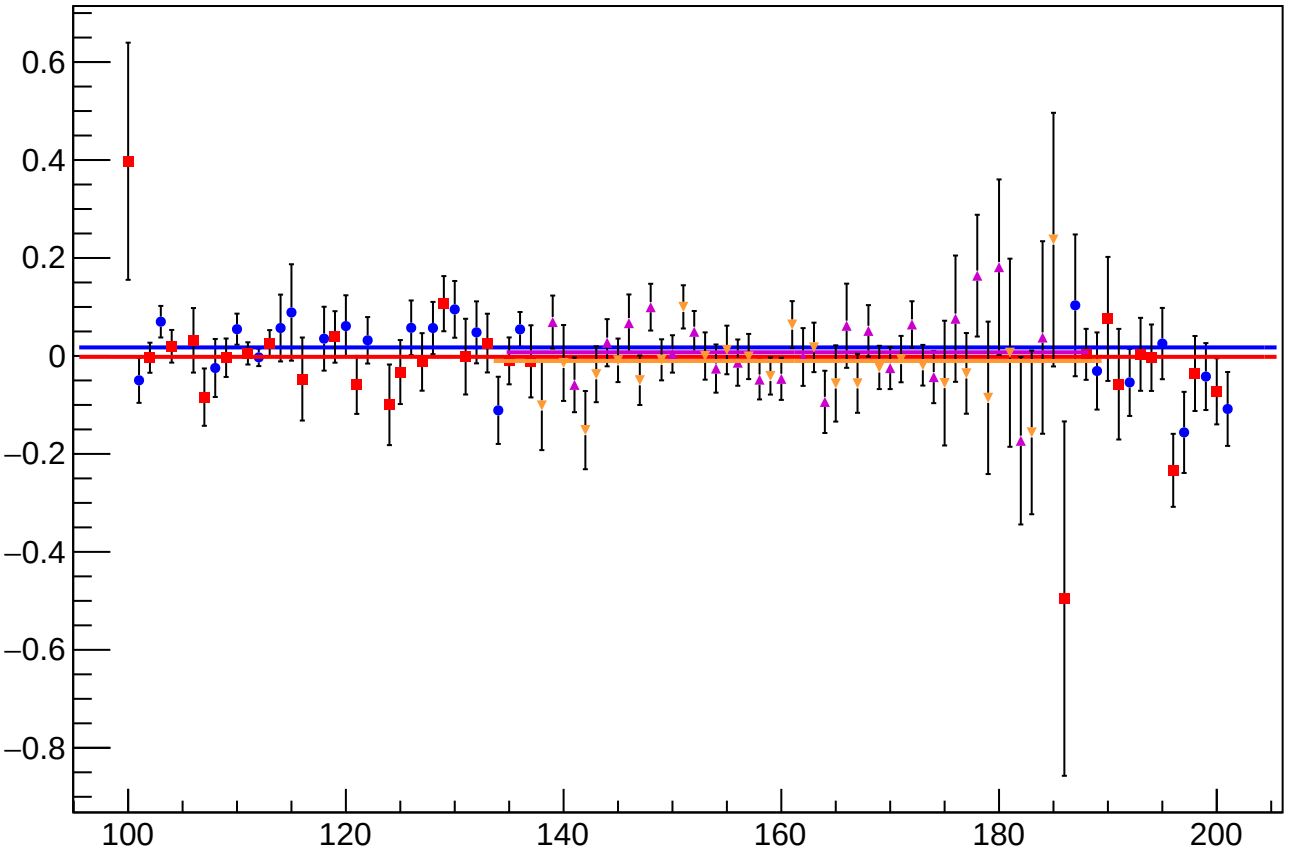
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8269341.2/50

In: 0.000+/-0.000 χ^2/NDF:6502753.3/45

Out: 0.000+/-0.000 χ^2/NDF:7043886.1/52

All: 0.000+/-0.000 χ^2/NDF: 13570941.2/98



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: -0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

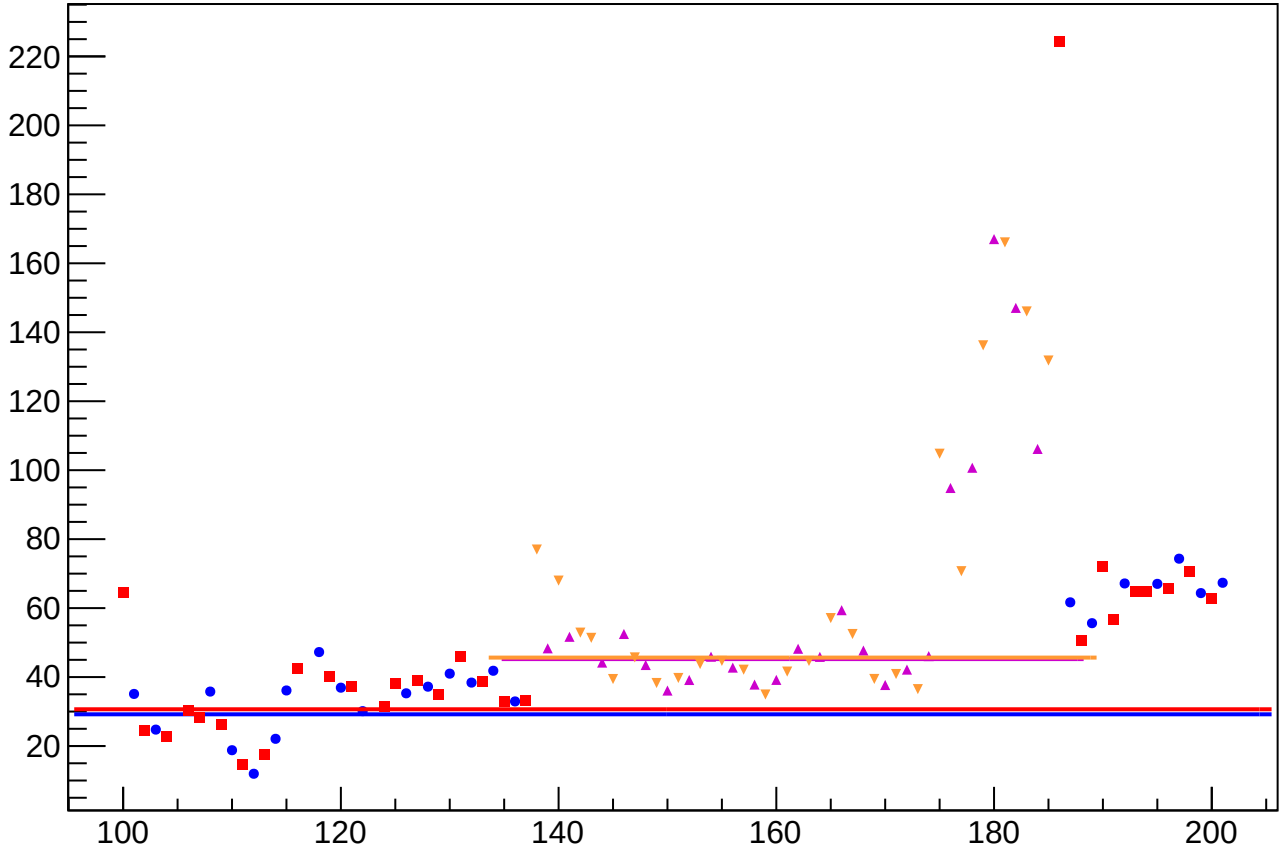
Right: 0.008+/-0.007 χ^2/NDF: 56.4/50

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 99.7/98

asym_sam_1548_avg_dit_vs_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: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

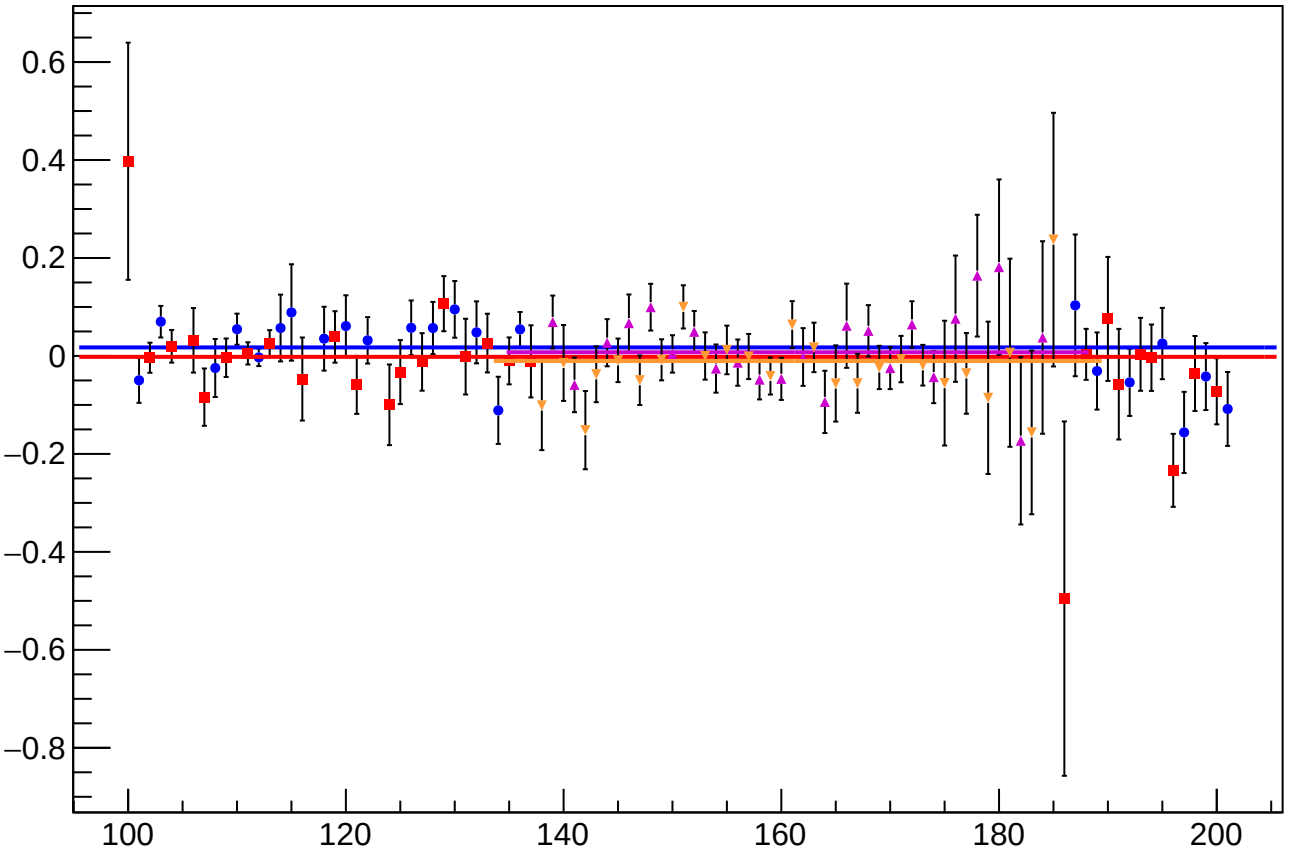
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.945+/-0.005 χ^2/NDF: 11457885.0/50

In: 35.975+/-0.005 χ^2/NDF:11050074.1/45

Out: 36.971+/-0.005 χ^2/NDF:11710439.8/52

All: 36.481+/-0.004 χ^2/NDF: 22778782.4/98



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: -0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

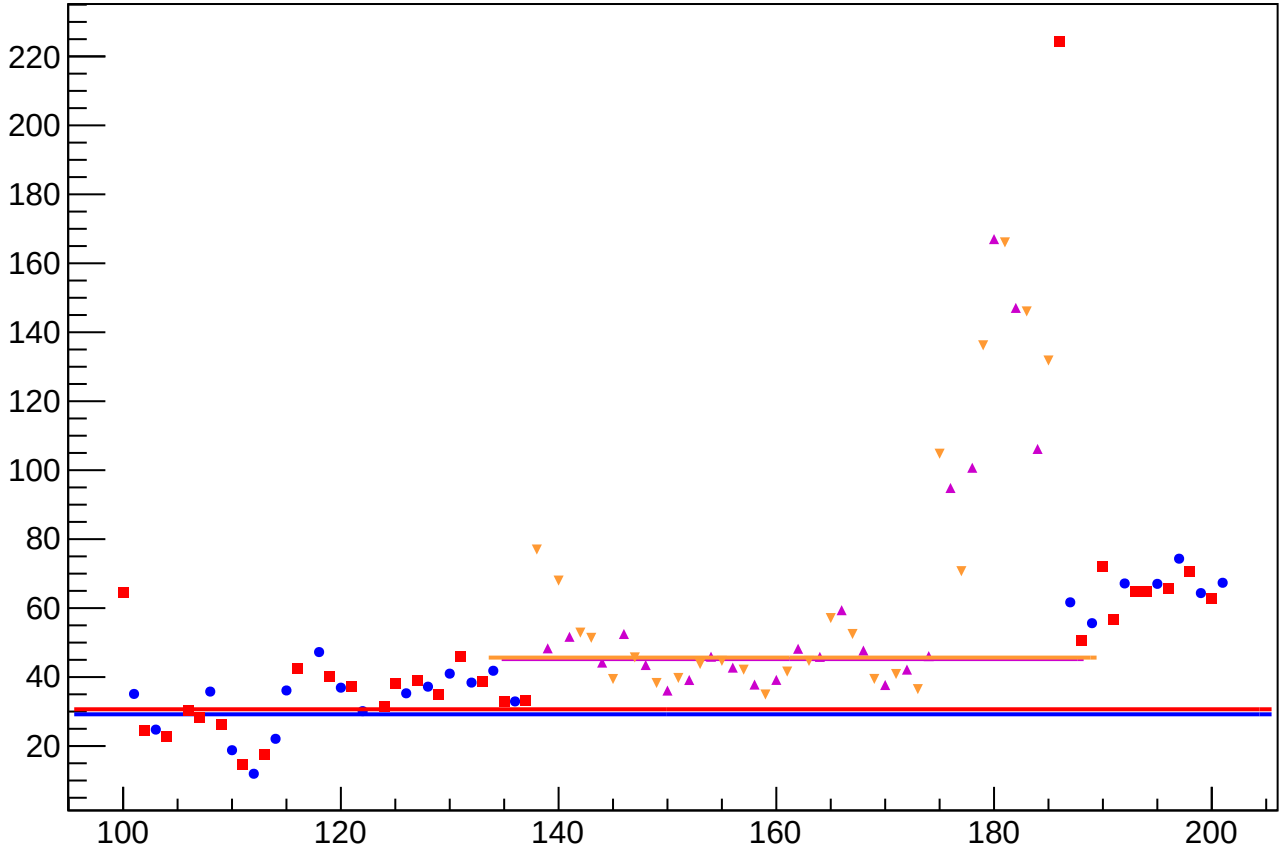
Right: 0.008+/-0.007 χ^2/NDF: 56.4/50

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 99.7/98

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: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

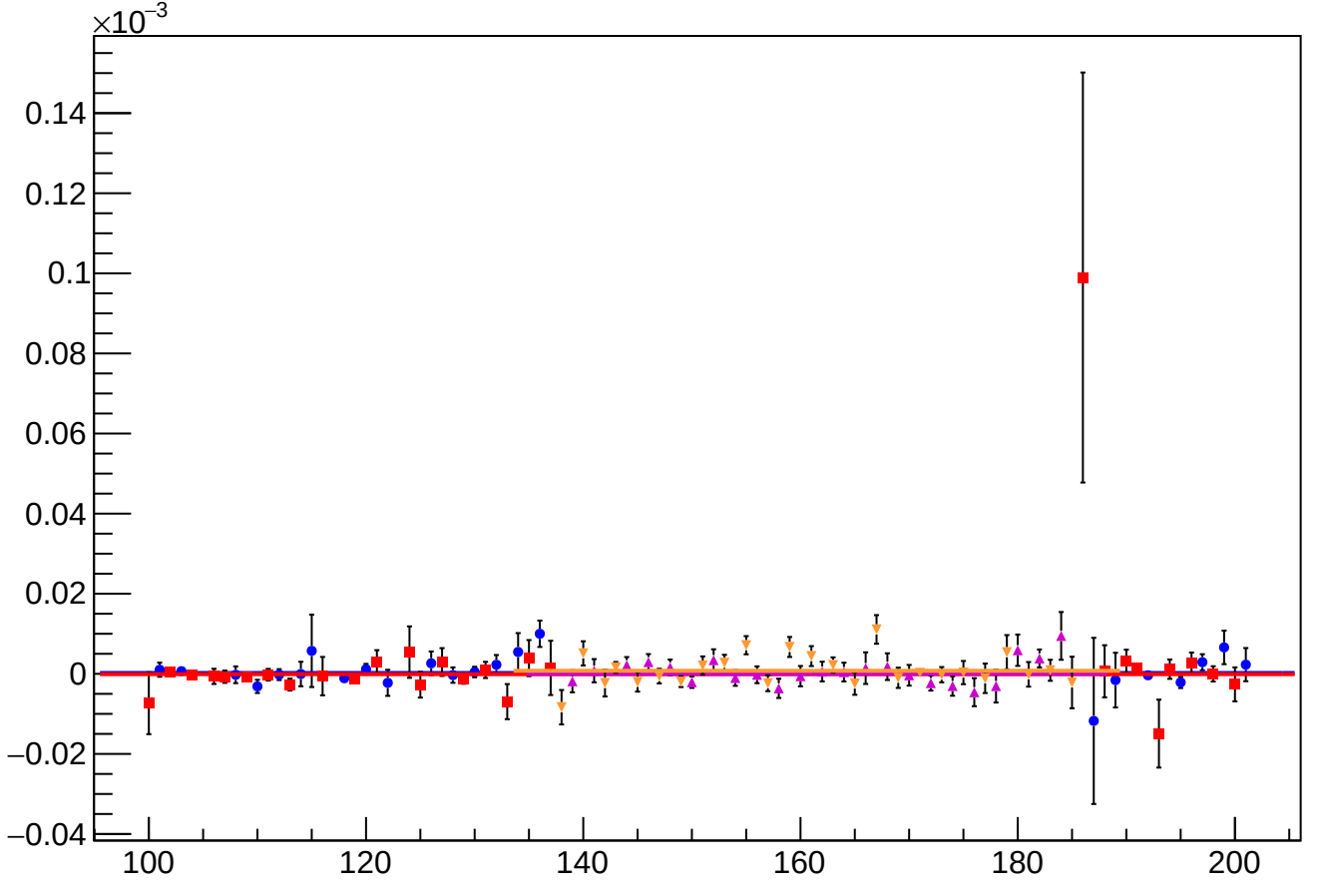
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.945+/-0.005 χ^2/NDF: 11457885.0/50

In: 35.975+/-0.005 χ^2/NDF:11050074.1/45

Out: 36.971+/-0.005 χ^2/NDF:11710439.8/52

All: 36.481+/-0.004 χ^2/NDF: 22778782.4/98



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: 26.9/27

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

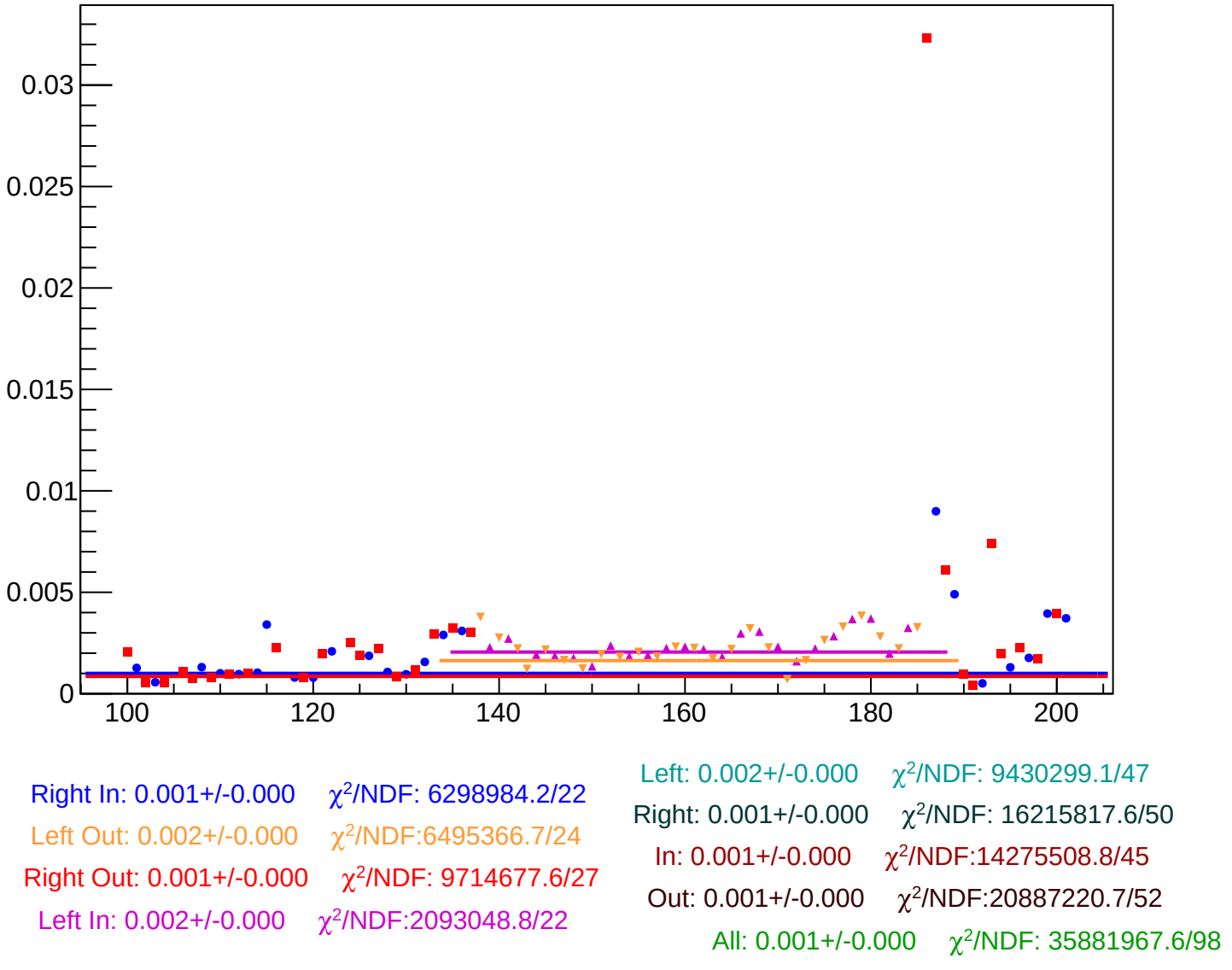
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

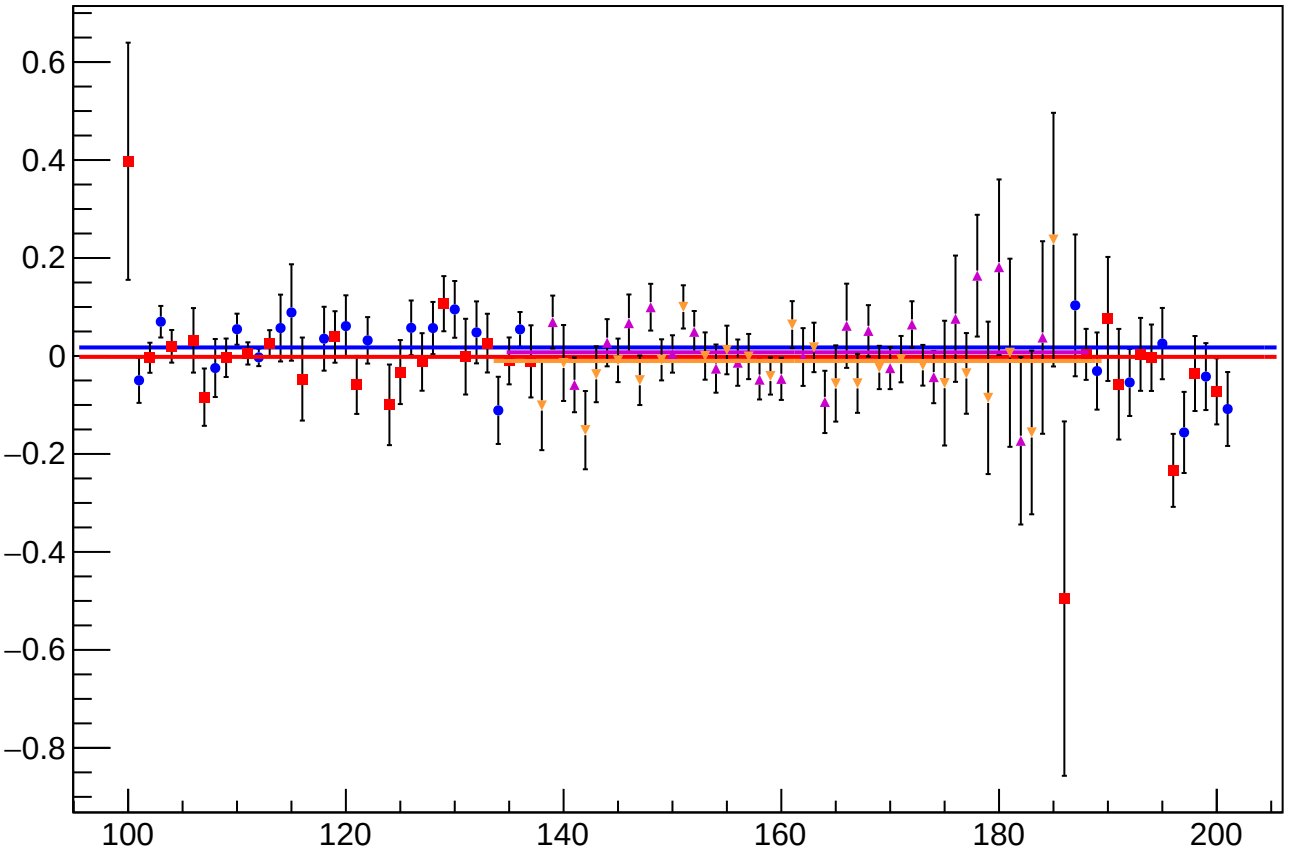
Right: 0.000+/-0.000 χ^2/NDF: 54.5/50

In: 0.000+/-0.000 χ^2/NDF:51.8/45

Out: 0.000+/-0.000 χ^2/NDF:75.8/52

All: 0.000+/-0.000 χ^2/NDF: 127.6/98


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 6298984.2/22
Left Out: 0.002+/-0.000 χ²/NDF:6495366.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 9714677.6/27
Left In: 0.002+/-0.000 χ²/NDF:2093048.8/22
Left: 0.002+/-0.000 χ²/NDF: 9430299.1/47
Right: 0.001+/-0.000 χ²/NDF: 16215817.6/50
In: 0.001+/-0.000 χ²/NDF:14275508.8/45
Out: 0.001+/-0.000 χ²/NDF:20887220.7/52
All: 0.001+/-0.000 χ²/NDF: 35881967.6/98



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: -0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

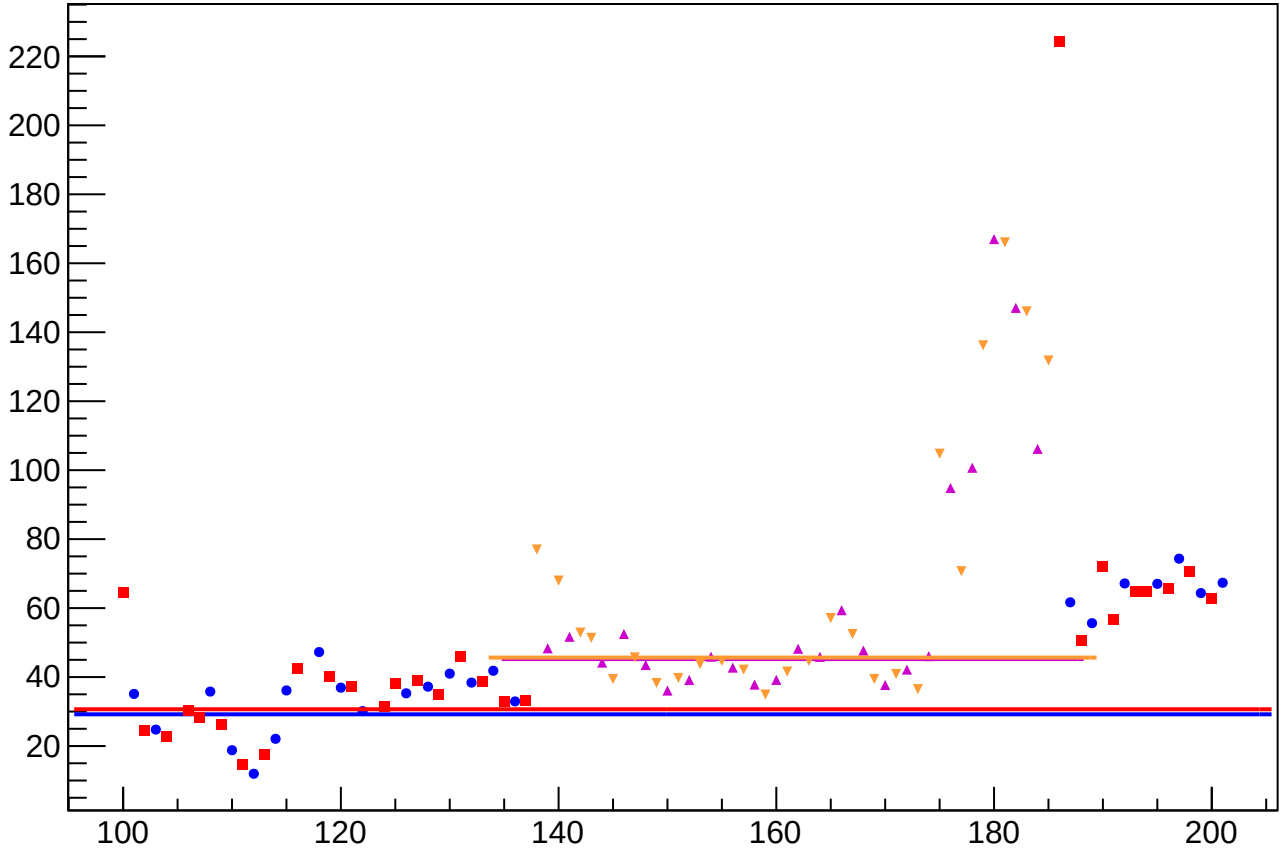
Right: 0.008+/-0.007 χ^2/NDF: 56.4/50

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 99.7/98

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: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

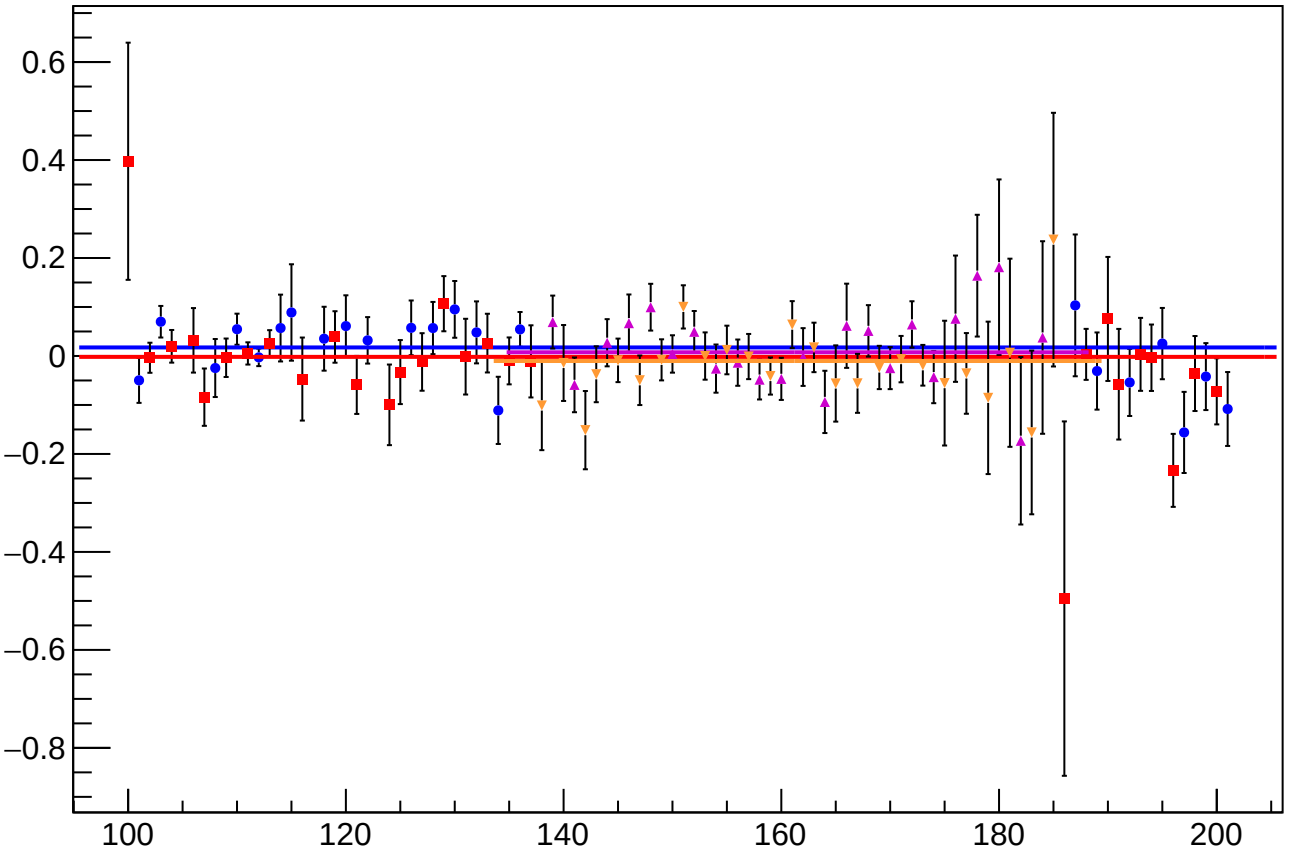
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 29.945+/-0.005 χ^2/NDF: 11458342.1/50

In: 35.975+/-0.005 χ^2/NDF:11050524.8/45

Out: 36.971+/-0.005 χ^2/NDF:11710805.9/52

All: 36.481+/-0.004 χ^2/NDF: 22779604.2/98



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: -0.002+/-0.010 χ^2/NDF: 27.5/27

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

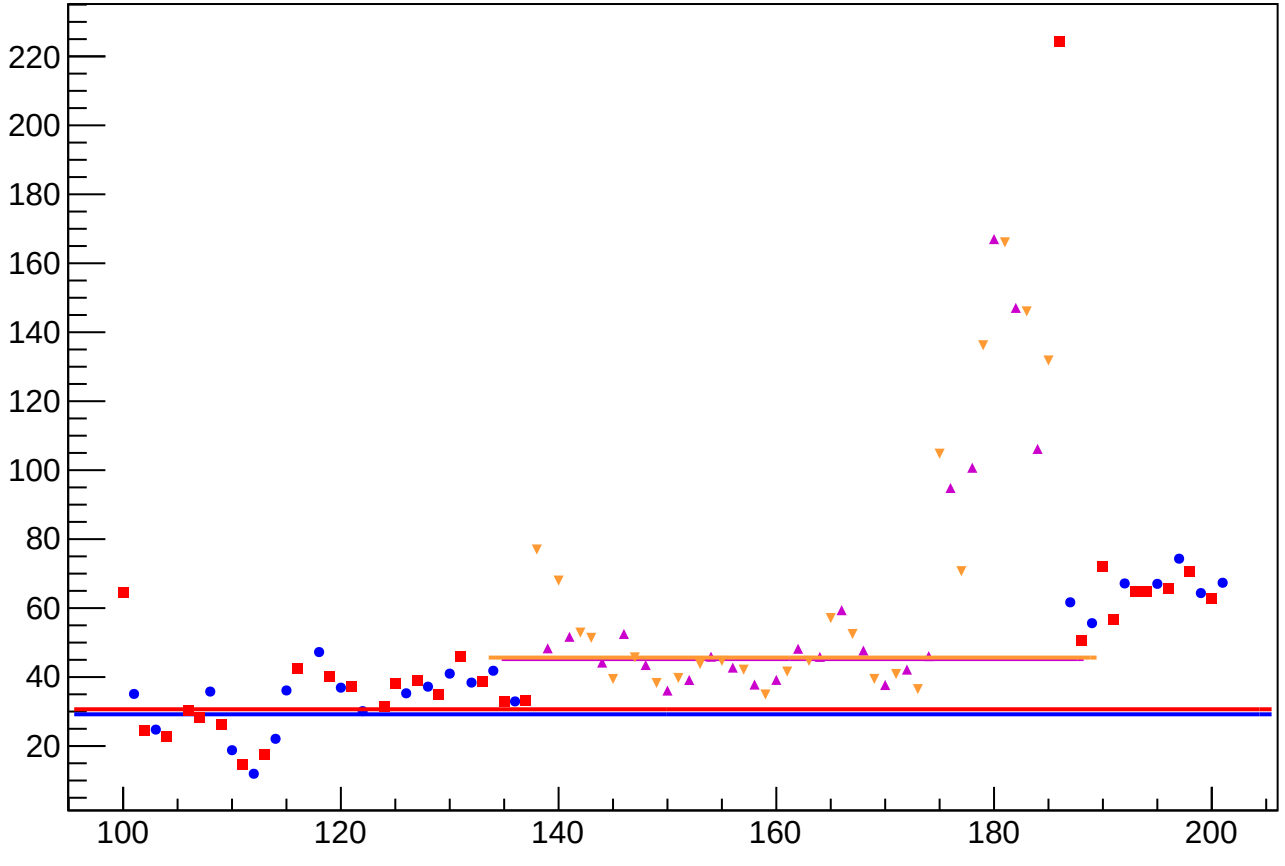
Right: 0.008+/-0.007 χ^2/NDF: 56.4/50

In: 0.013+/-0.007 χ^2/NDF:50.6/45

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 99.7/98

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: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

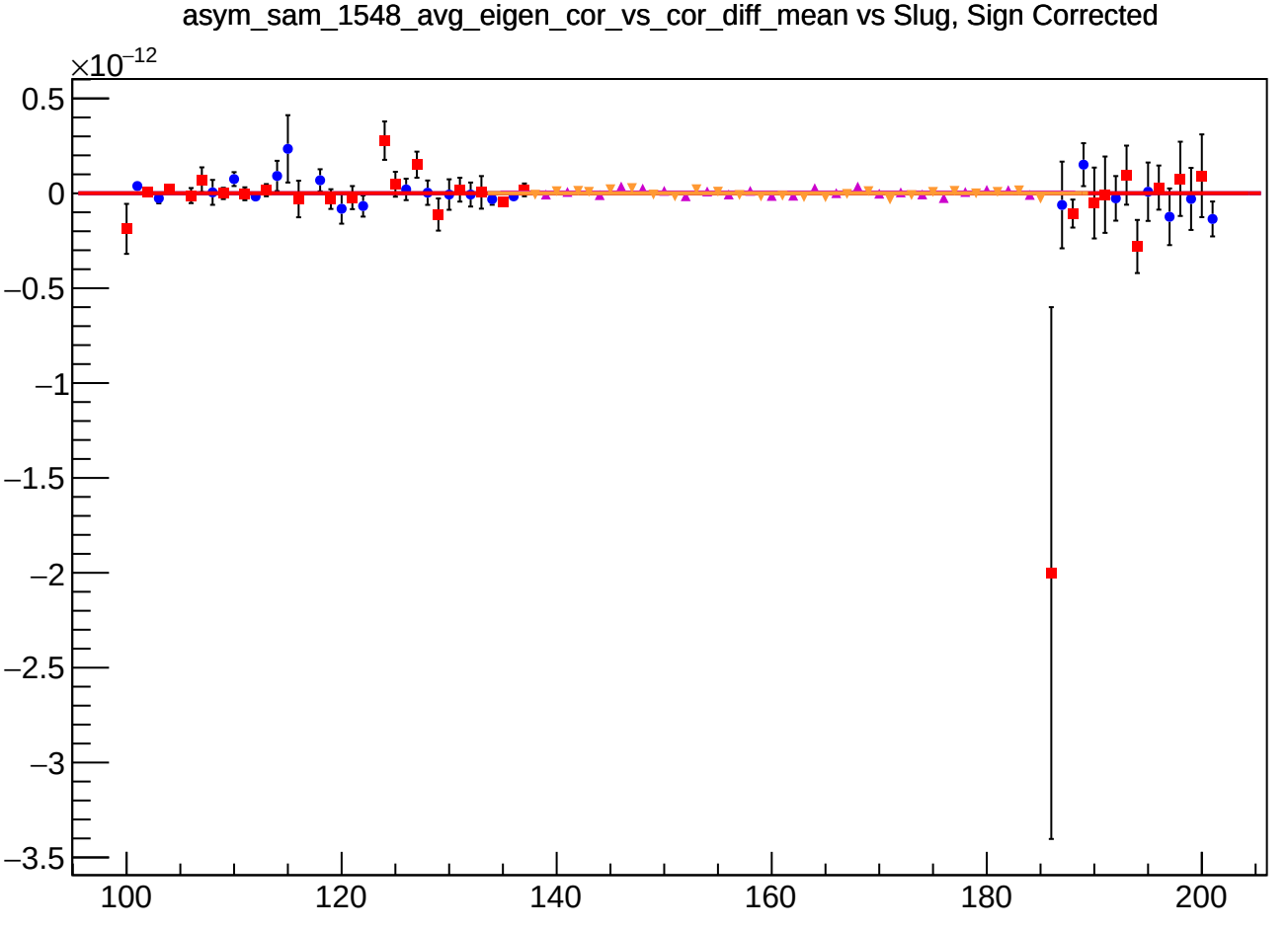
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 29.945+/-0.005 χ^2/NDF: 11458342.1/50

In: 35.975+/-0.005 χ^2/NDF:11050524.8/45

Out: 36.971+/-0.005 χ^2/NDF:11710805.9/52

All: 36.481+/-0.004 χ^2/NDF: 22779604.2/98



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: 32.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

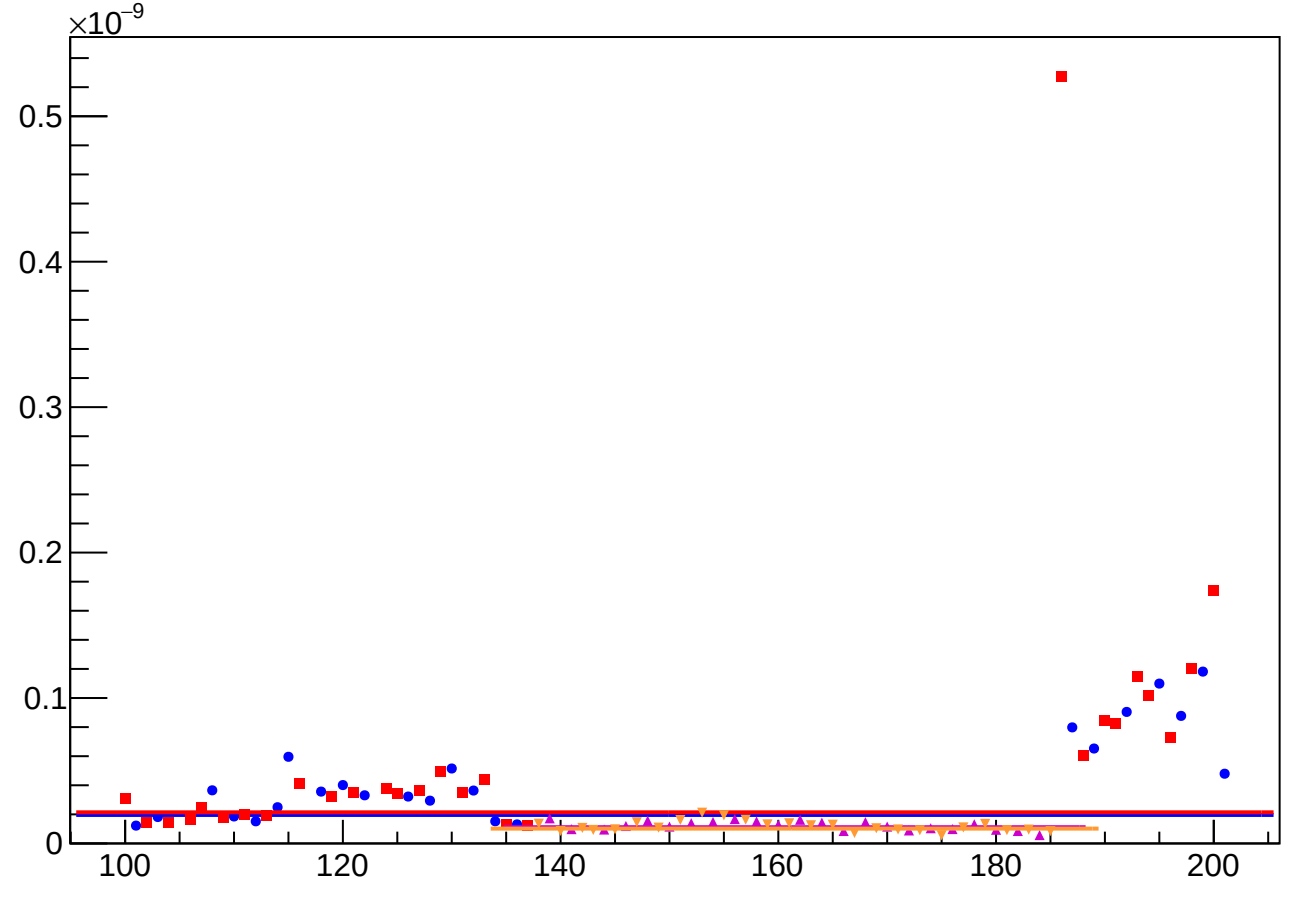
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.1/50

In: 0.000+/-0.000 χ^2/NDF:47.4/45

Out: 0.000+/-0.000 χ^2/NDF:58.0/52

All: 0.000+/-0.000 χ^2/NDF: 106.1/98



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: 6247278.1/27

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

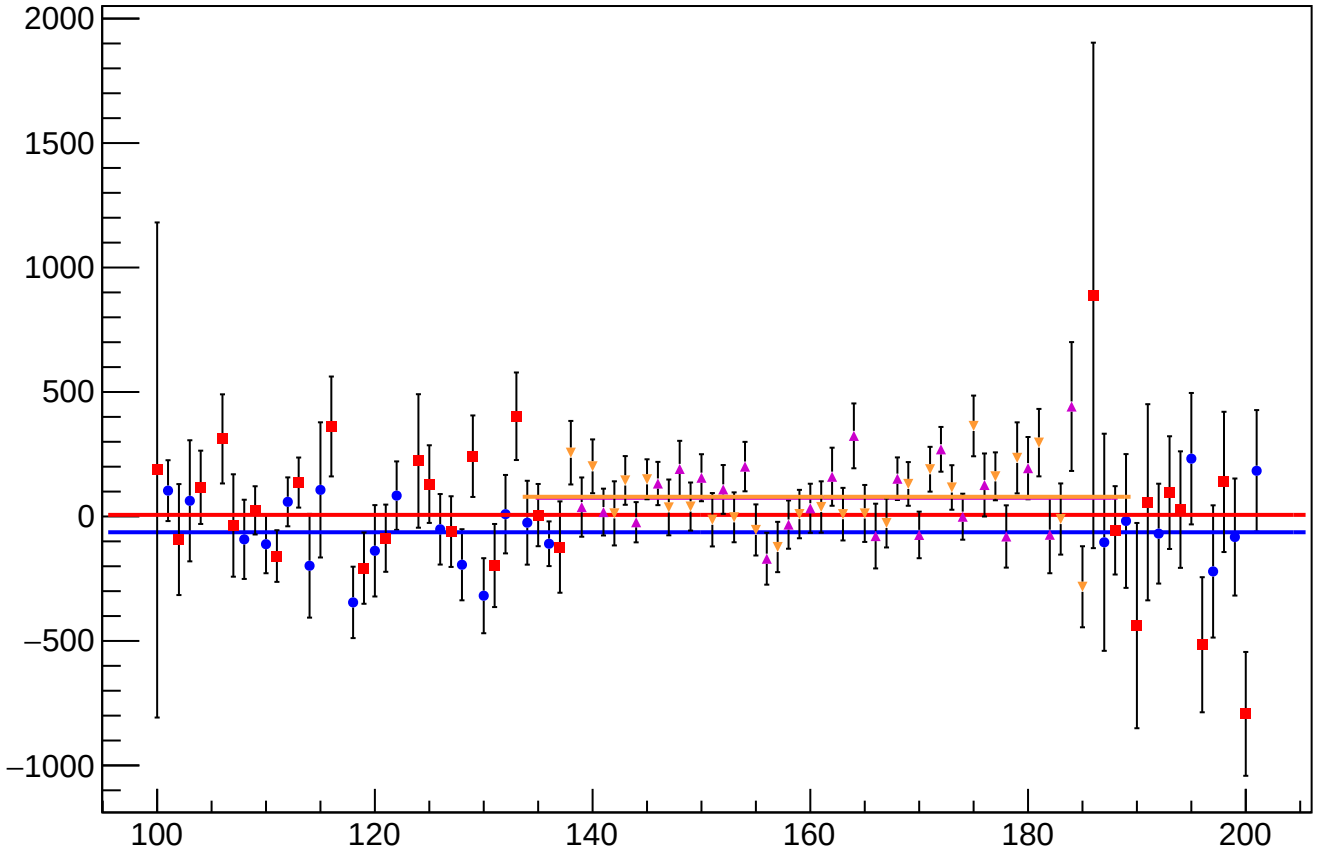
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11455738.2/50

In: 0.000+/-0.000 χ^2/NDF:8417907.6/45

Out: 0.000+/-0.000 χ^2/NDF:11325511.7/52

All: 0.000+/-0.000 χ^2/NDF: 19845184.8/98



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: 6.415+/-31.977 χ^2/NDF: 40.9/27

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

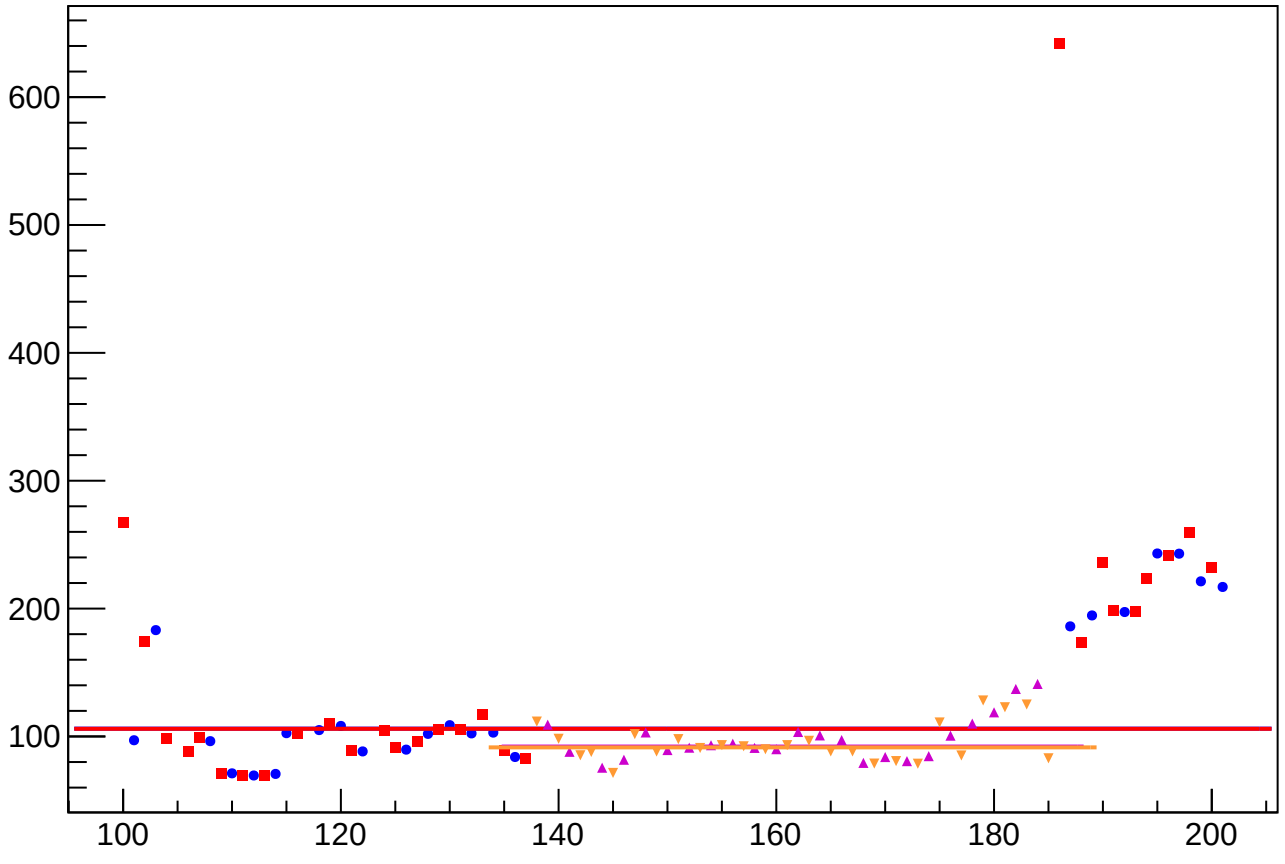
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -27.382+/-22.966 χ^2/NDF: 60.0/50

In: 32.898+/-18.212 χ^2/NDF:61.6/45

Out: 57.047+/-17.613 χ^2/NDF:76.5/52

All: 45.376+/-12.660 χ^2/NDF: 139.1/98



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: 105.986+/-0.023 χ^2/NDF: 4780291.7/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

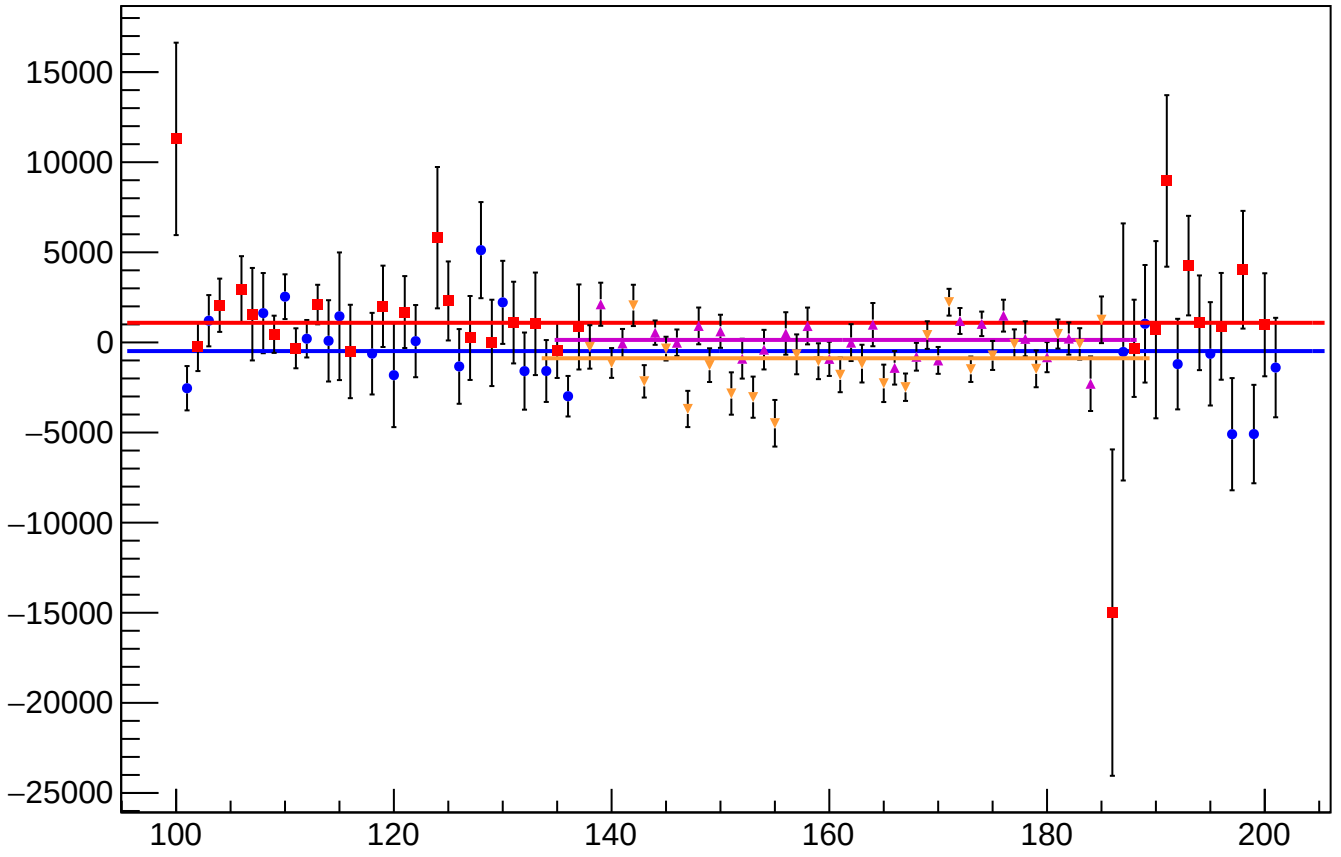
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 106.051+/-0.016 χ^2/NDF: 8362416.6/50

In: 96.369+/-0.013 χ^2/NDF:4532724.3/45

Out: 95.868+/-0.012 χ^2/NDF:5818966.7/52

All: 96.110+/-0.009 χ^2/NDF: 10352473.5/98



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: 1088.662+/-376.206 χ^2/NDF: 21.0/27

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

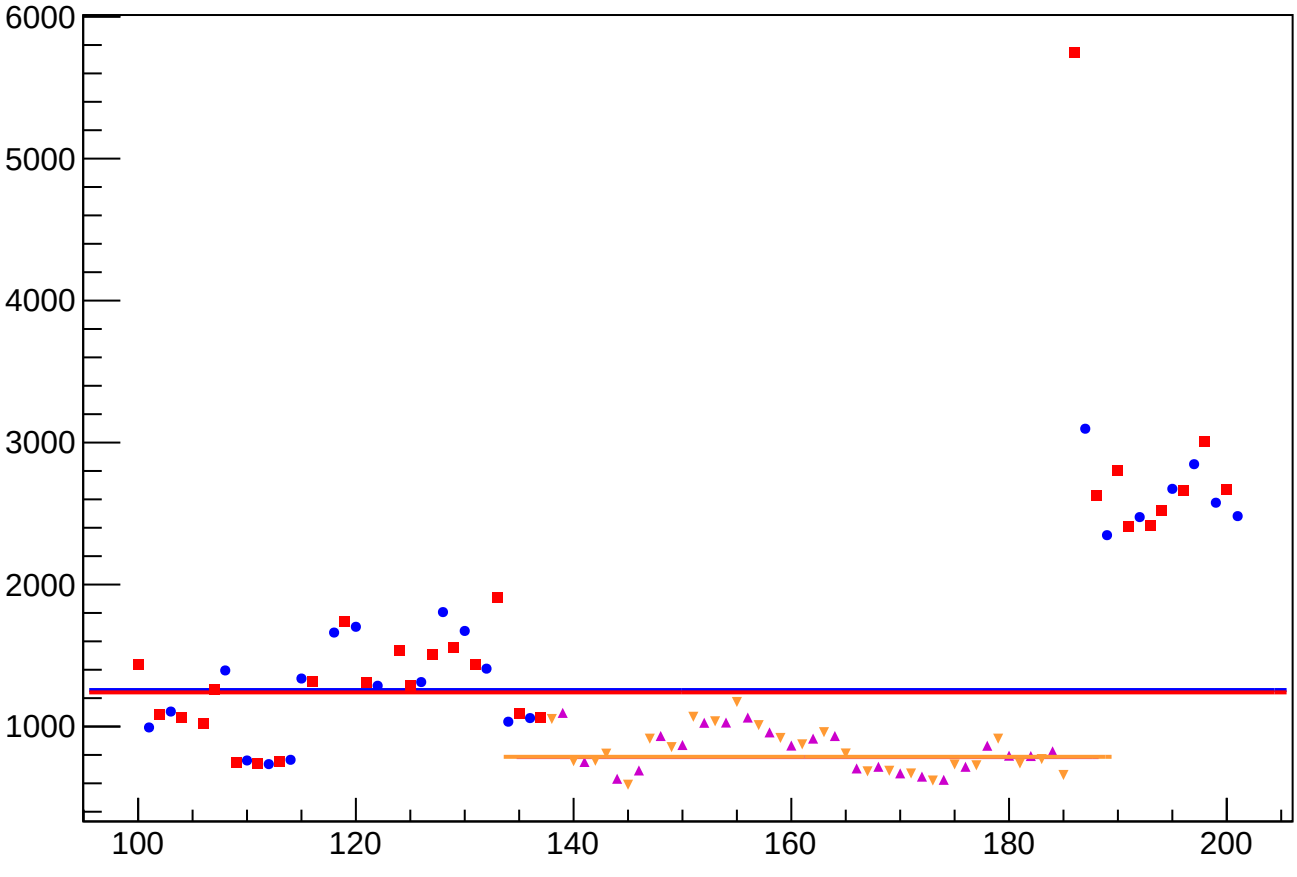
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 340.264+/-272.084 χ^2/NDF: 58.5/50

In: 25.294+/-168.621 χ^2/NDF:55.4/45

Out: -504.766+/-163.972 χ^2/NDF:110.9/52

All: -247.145+/-117.555 χ^2/NDF: 171.3/98



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: 1240.552+/-0.266 χ^2/NDF: 5395899.5/27

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

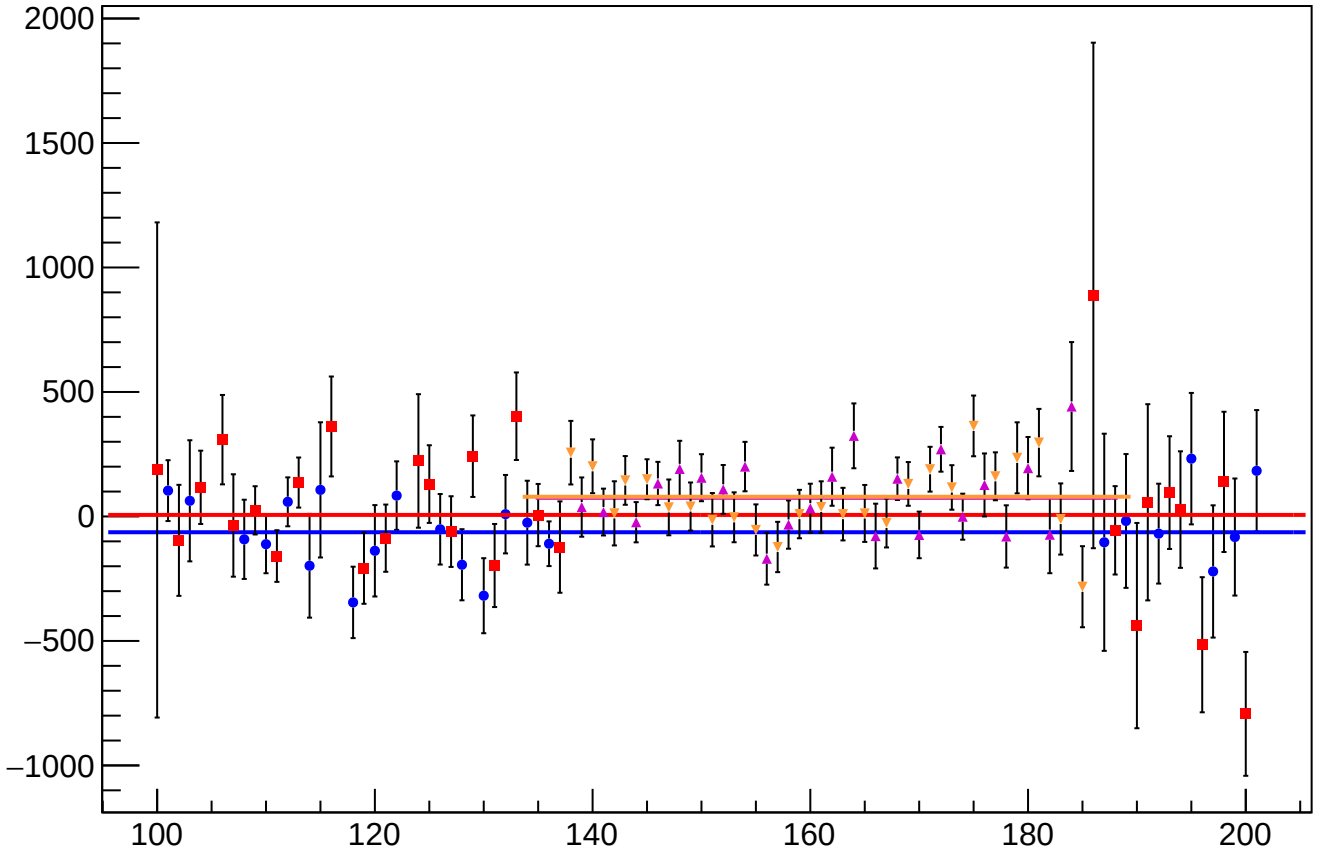
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1248.439+/-0.192 χ^2/NDF: 9505110.4/50

In: 871.341+/-0.119 χ^2/NDF:7518392.4/45

Out: 872.966+/-0.116 χ^2/NDF:8963990.2/52

All: 872.176+/-0.083 χ^2/NDF: 16482478.1/98



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: 6.191+/-31.980 χ^2/NDF: 40.9/27

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

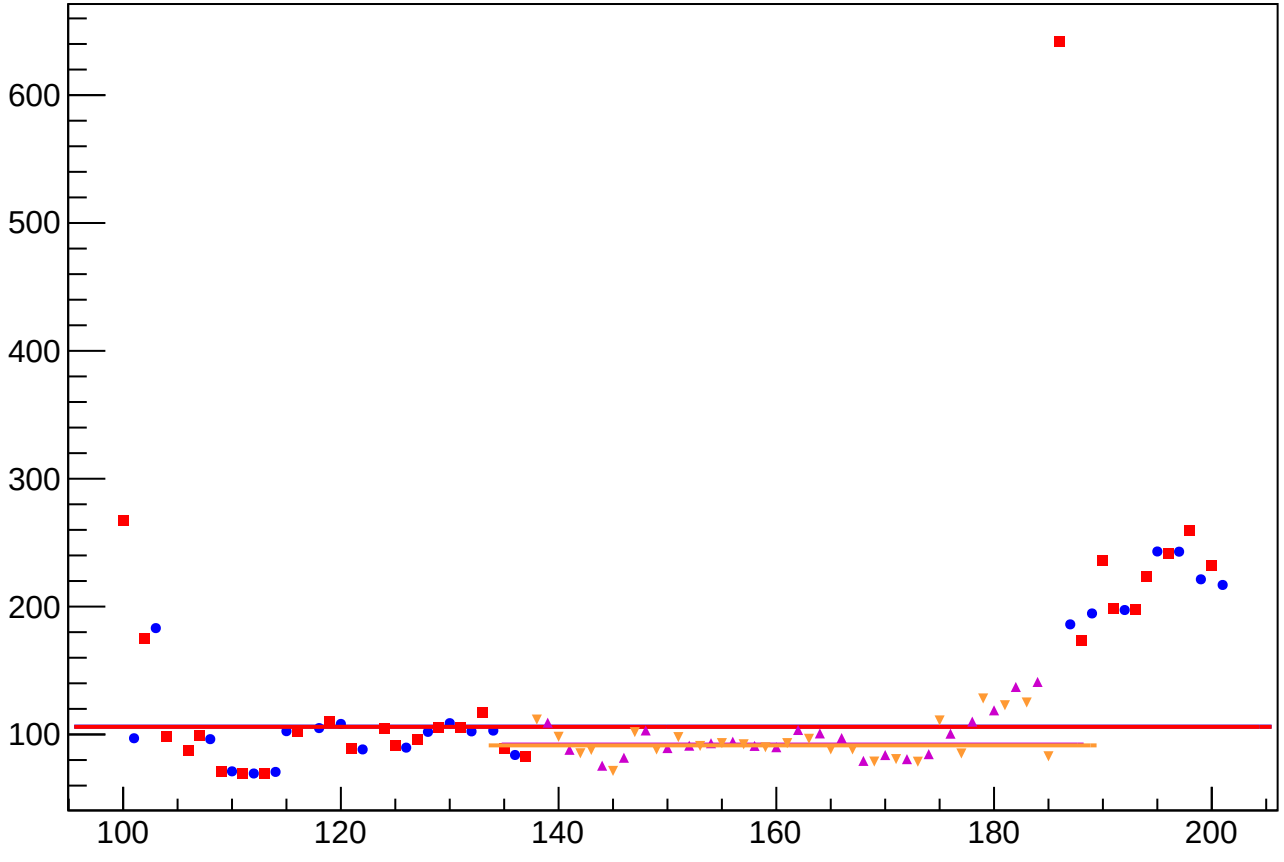
Right: -27.507+/-22.967 χ^2/NDF: 59.9/50

In: 32.895+/-18.212 χ^2/NDF:61.6/45

Out: 56.989+/-17.613 χ^2/NDF:76.5/52

All: 45.344+/-12.661 χ^2/NDF: 139.0/98

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

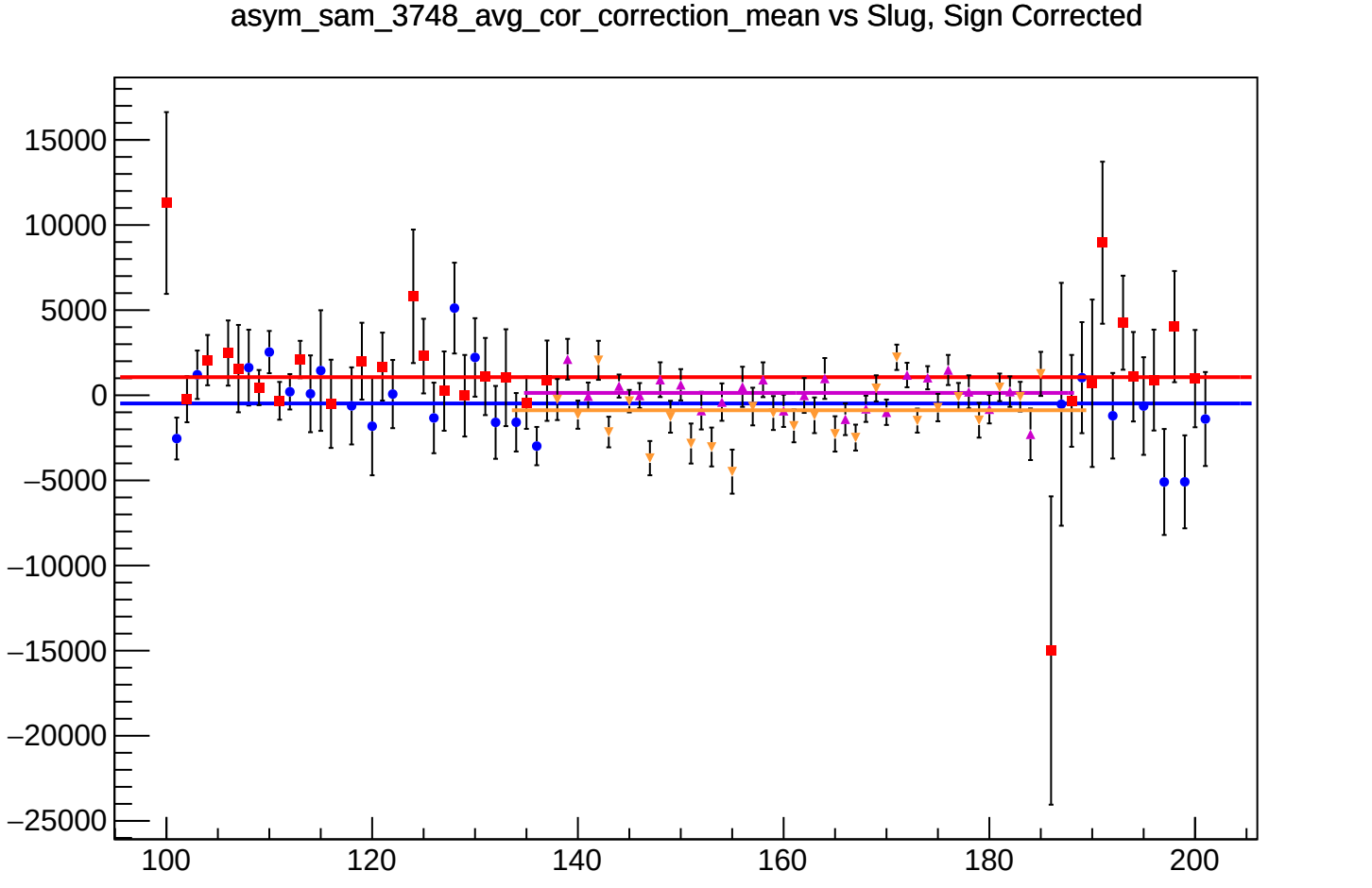
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 106.032+/-0.016 χ^2/NDF: 8365479.6/50

In: 96.369+/-0.013 χ^2/NDF:4532727.4/45

Out: 95.856+/-0.012 χ^2/NDF:5820472.2/52

All: 96.104+/-0.009 χ^2/NDF: 10354020.7/98



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: 1064.628+/-376.874 χ^2/NDF: 20.5/27

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

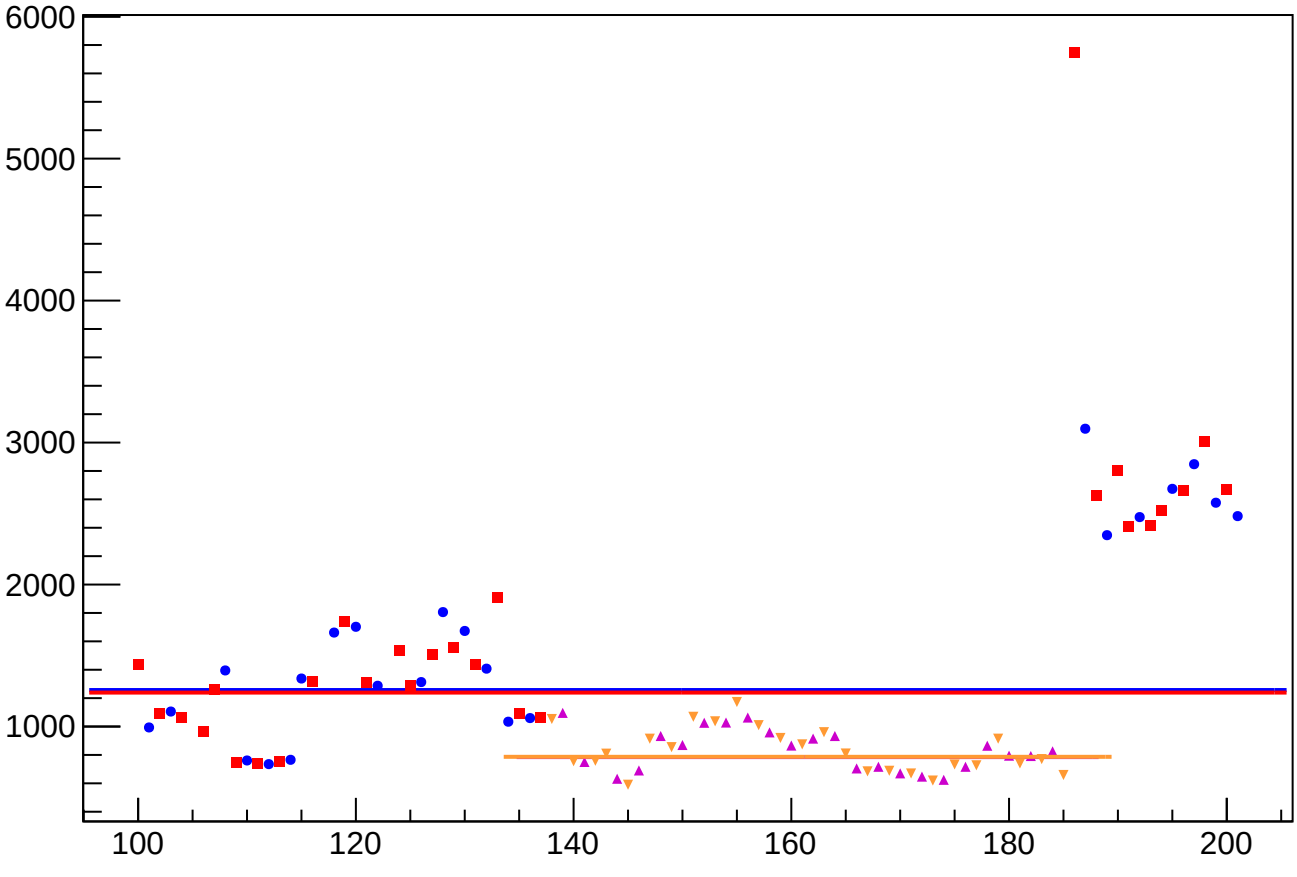
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 326.321+/-272.338 χ^2/NDF: 57.7/50

In: 25.293+/-168.622 χ^2/NDF:55.4/45

Out: -510.384+/-164.027 χ^2/NDF:109.8/52

All: -249.943+/-117.575 χ^2/NDF: 170.3/98



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: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

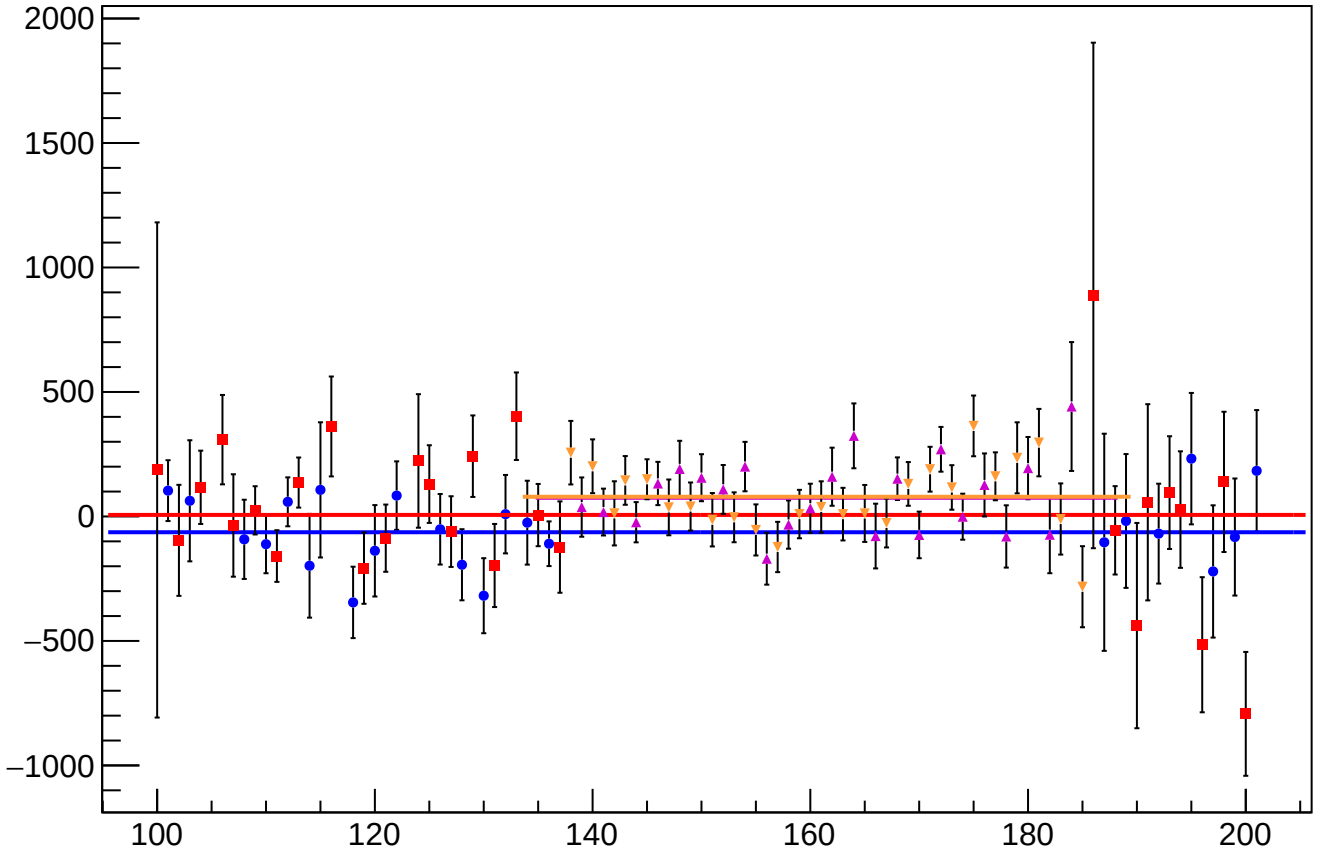
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

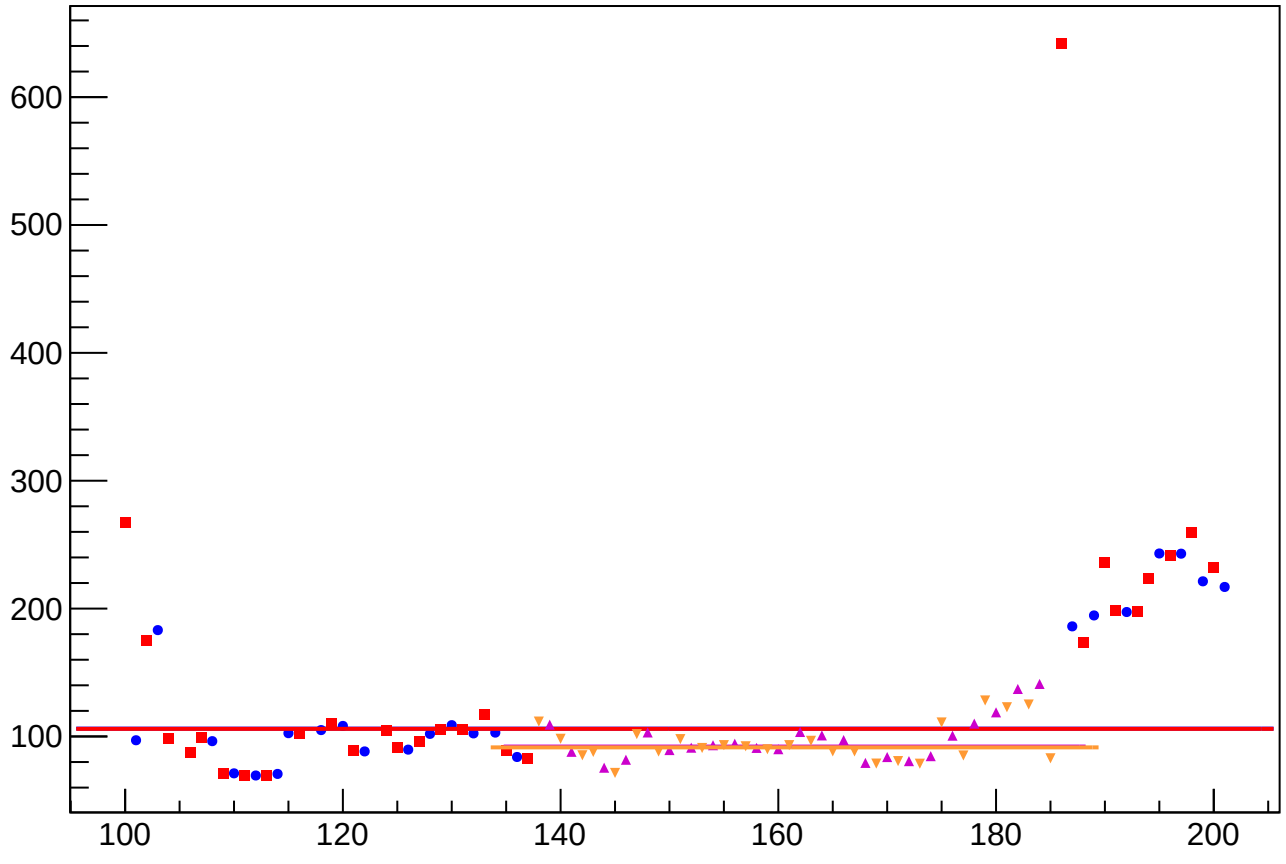
Right: 1247.737+/-0.193 χ^2/NDF: 9518023.4/50

In: 871.342+/-0.119 χ^2/NDF:7518430.8/45

Out: 872.456+/-0.116 χ^2/NDF:8955552.2/52

All: 871.915+/-0.083 χ^2/NDF: 16474027.9/98


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: 6.191+/-31.980 χ²/NDF: 40.9/27
Left In: 75.049+/-21.837 χ²/NDF:32.6/22
Left: 77.147+/-15.175 χ²/NDF: 64.6/47
Right: -27.507+/-22.967 χ²/NDF: 59.9/50
In: 32.895+/-18.212 χ²/NDF:61.6/45
Out: 56.989+/-17.613 χ²/NDF:76.5/52
All: 45.344+/-12.661 χ²/NDF: 139.0/98



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: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

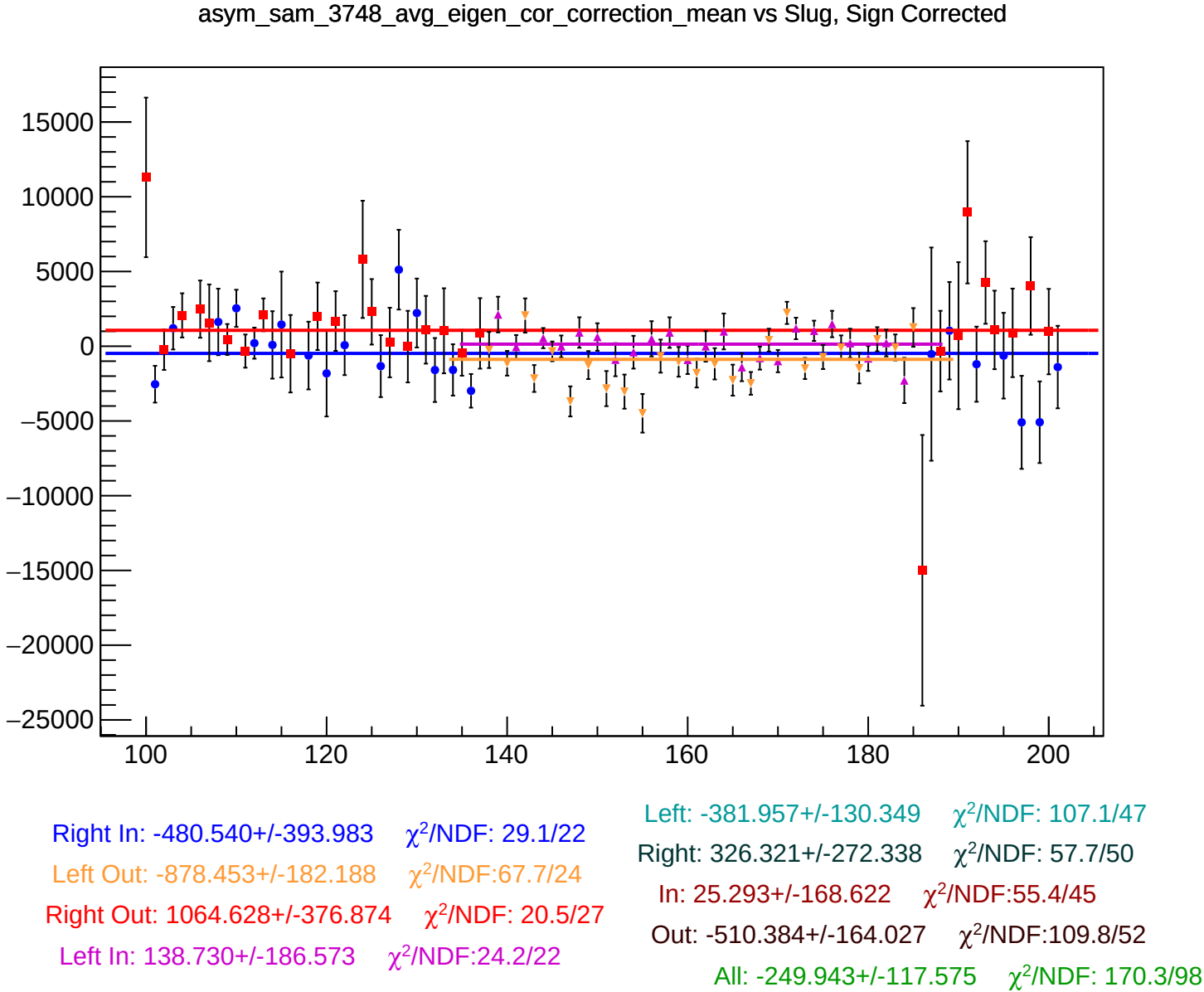
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 106.032+/-0.016 χ^2/NDF: 8365479.6/50

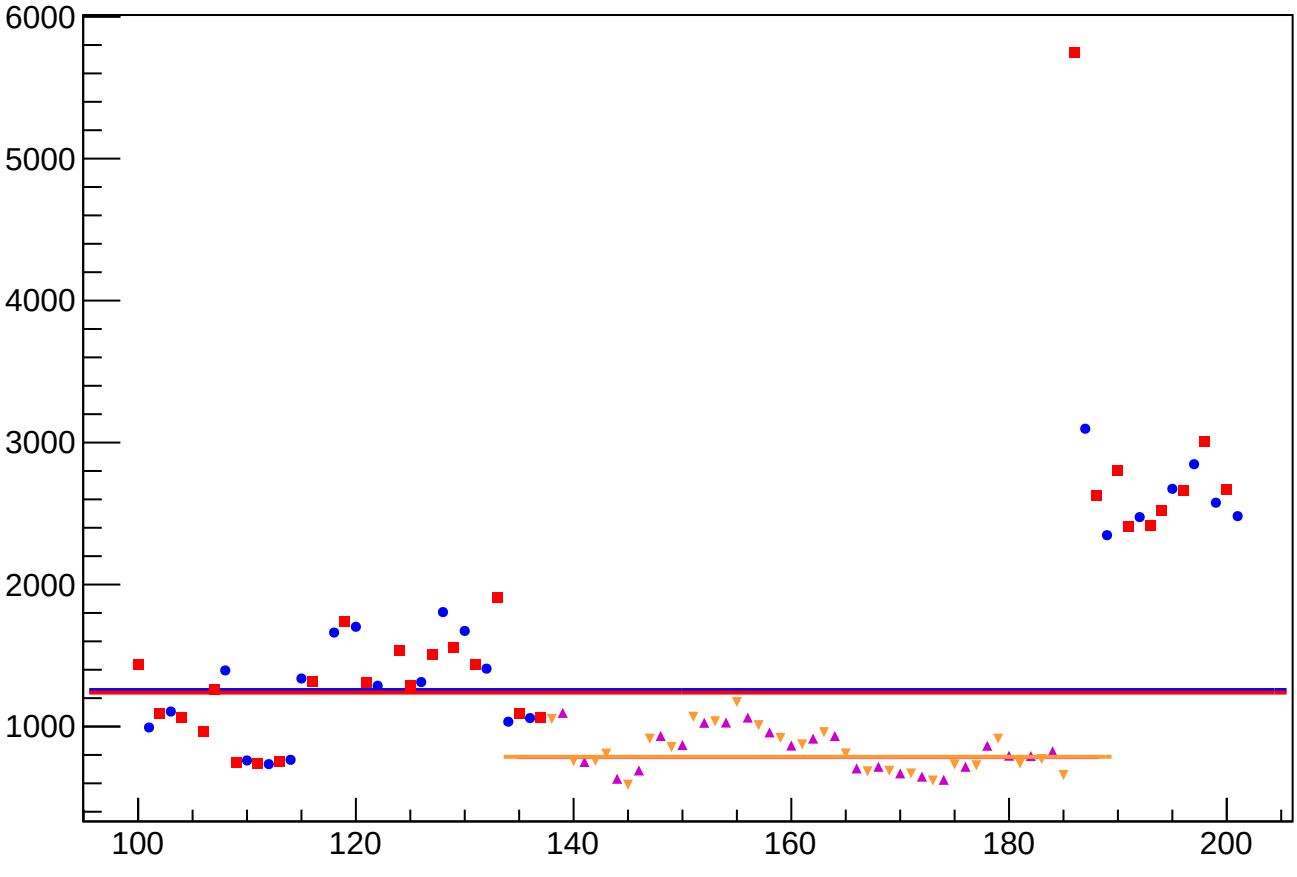
In: 96.369+/-0.013 χ^2/NDF:4532727.4/45

Out: 95.856+/-0.012 χ^2/NDF:5820472.2/52

All: 96.104+/-0.009 χ^2/NDF: 10354020.7/98


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: 1064.628+/-376.874 χ²/NDF: 20.5/27
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 326.321+/-272.338 χ²/NDF: 57.7/50
In: 25.293+/-168.622 χ²/NDF:55.4/45
Out: -510.384+/-164.027 χ²/NDF:109.8/52
All: -249.943+/-117.575 χ²/NDF: 170.3/98

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: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

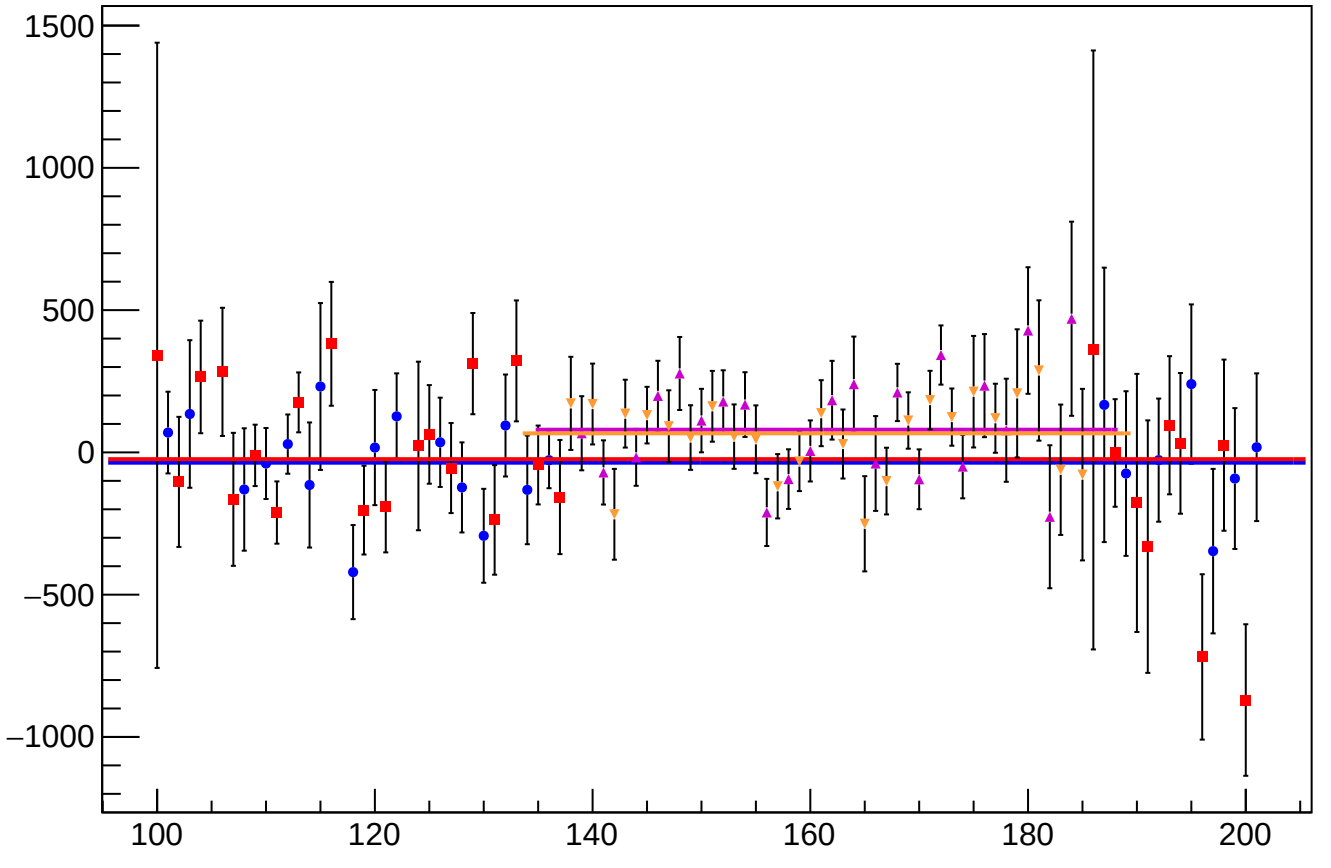
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1247.737+/-0.193 χ^2/NDF: 9518023.4/50

In: 871.342+/-0.119 χ^2/NDF:7518430.8/45

Out: 872.456+/-0.116 χ^2/NDF:8955552.2/52

All: 871.915+/-0.083 χ^2/NDF: 16474027.9/98



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: -23.727+/-35.450 χ^2/NDF: 42.1/27

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

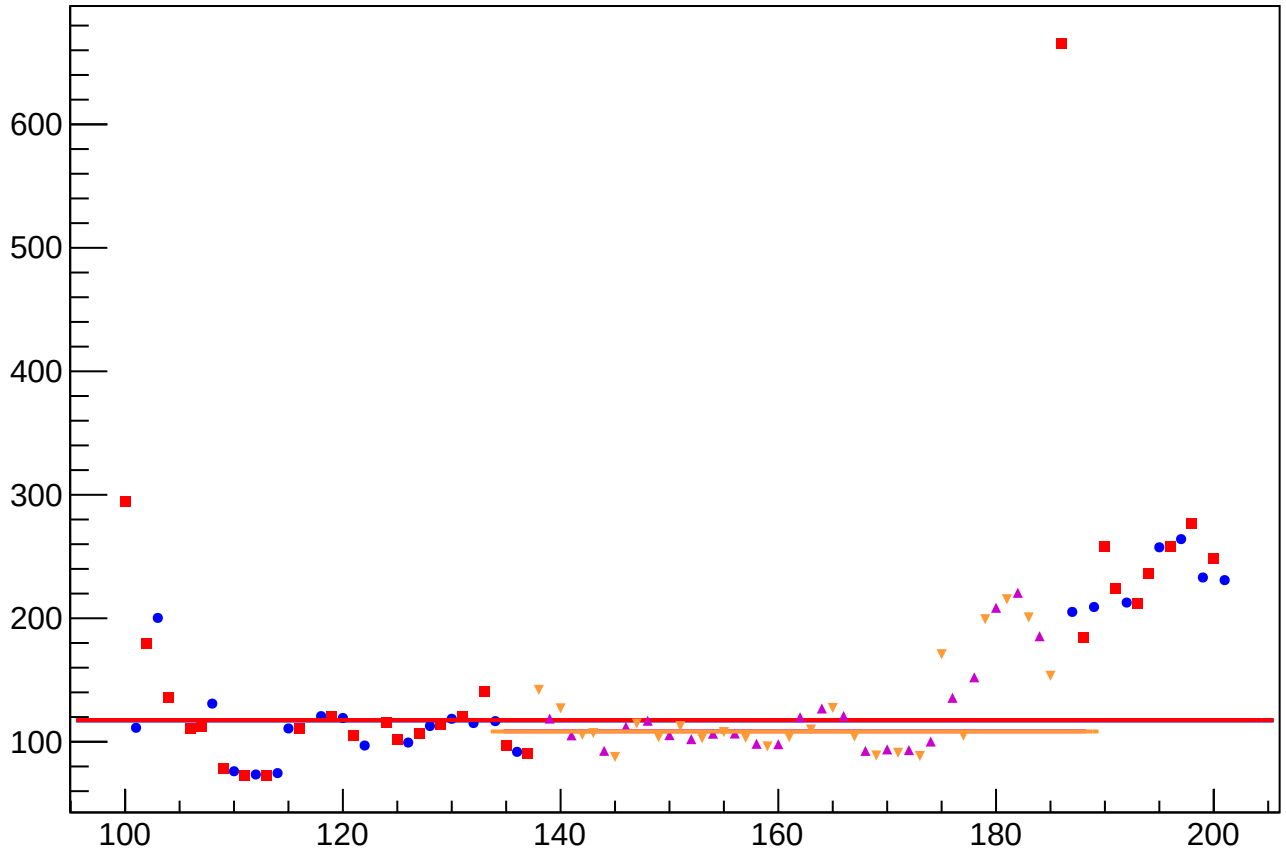
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -29.747+/-25.425 χ^2/NDF: 57.5/50

In: 40.140+/-21.334 χ^2/NDF:58.9/45

Out: 35.861+/-20.746 χ^2/NDF:66.0/52

All: 37.941+/-14.873 χ^2/NDF: 124.9/98



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: 117.591+/-0.025 χ^2/NDF: 4695560.7/27

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

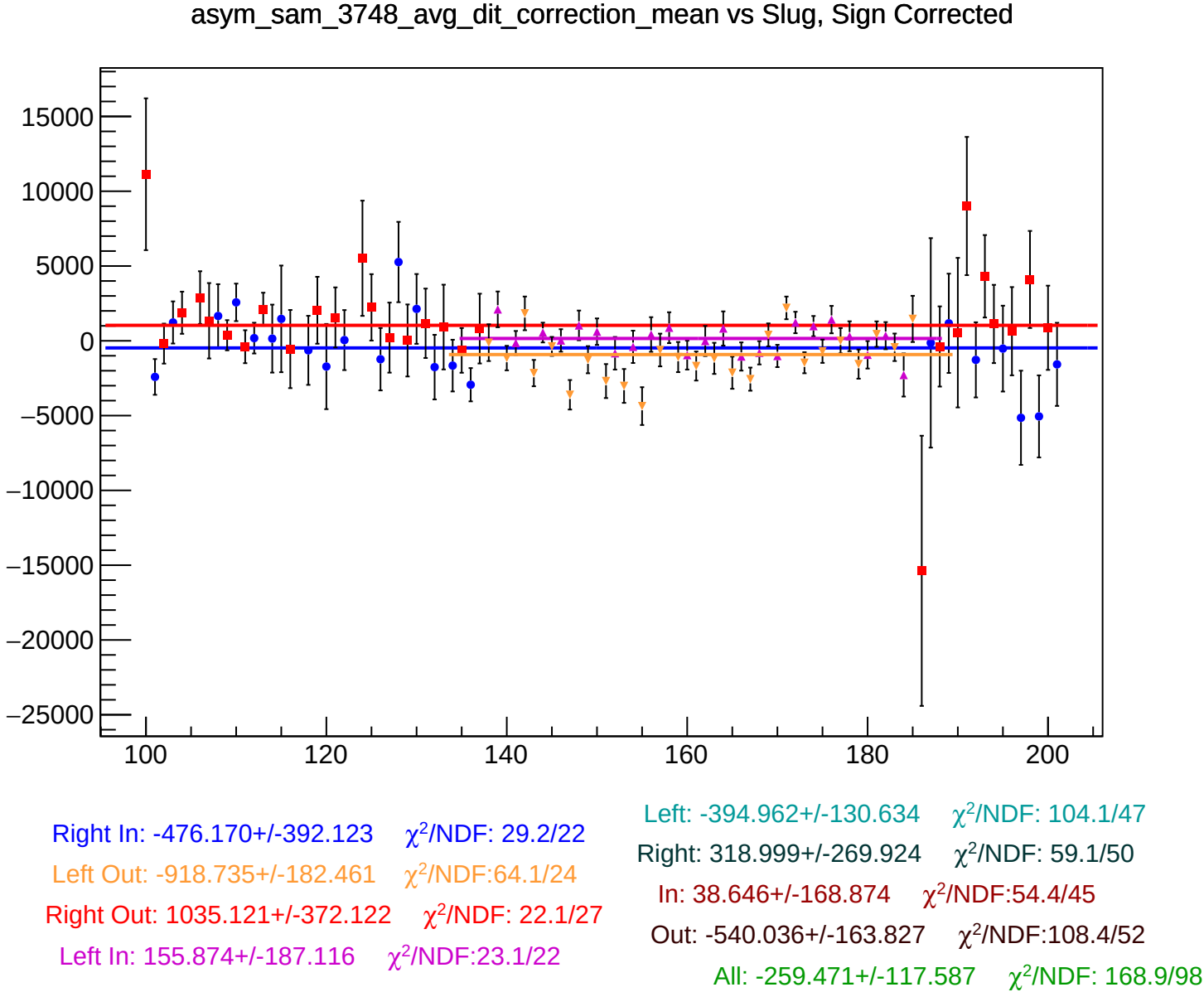
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

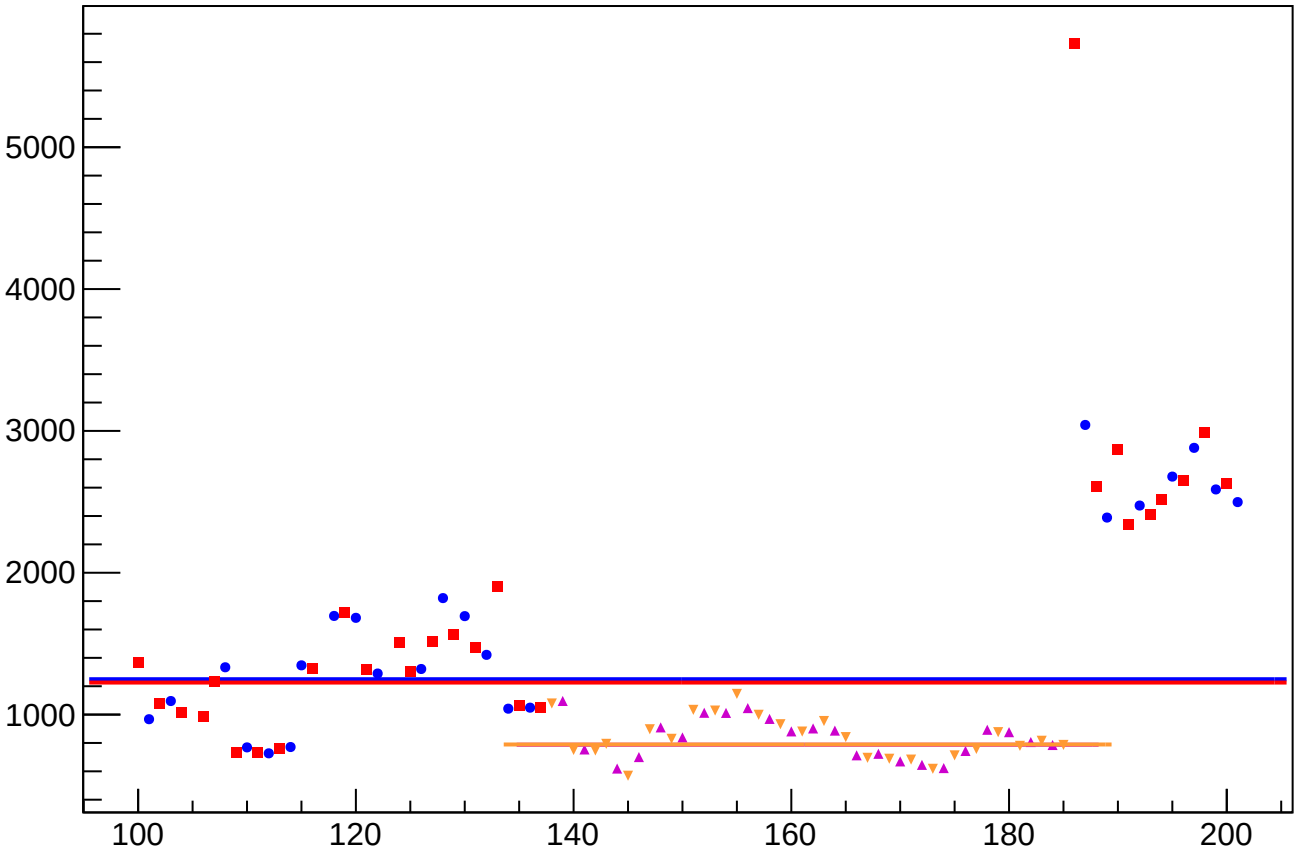
Right: 117.406+/-0.018 χ^2/NDF: 8254704.4/50

In: 111.474+/-0.015 χ^2/NDF:5013591.2/45

Out: 111.502+/-0.015 χ^2/NDF:6559904.5/52

All: 111.488+/-0.011 χ^2/NDF: 11573497.5/98


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -476.170+/-392.123 χ²/NDF: 29.2/22
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 1035.121+/-372.122 χ²/NDF: 22.1/27
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 318.999+/-269.924 χ²/NDF: 59.1/50
In: 38.646+/-168.874 χ²/NDF:54.4/45
Out: -540.036+/-163.827 χ²/NDF:108.4/52
All: -259.471+/-117.587 χ²/NDF: 168.9/98



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: 1225.852+/-0.263 χ^2/NDF: 5468682.6/27

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

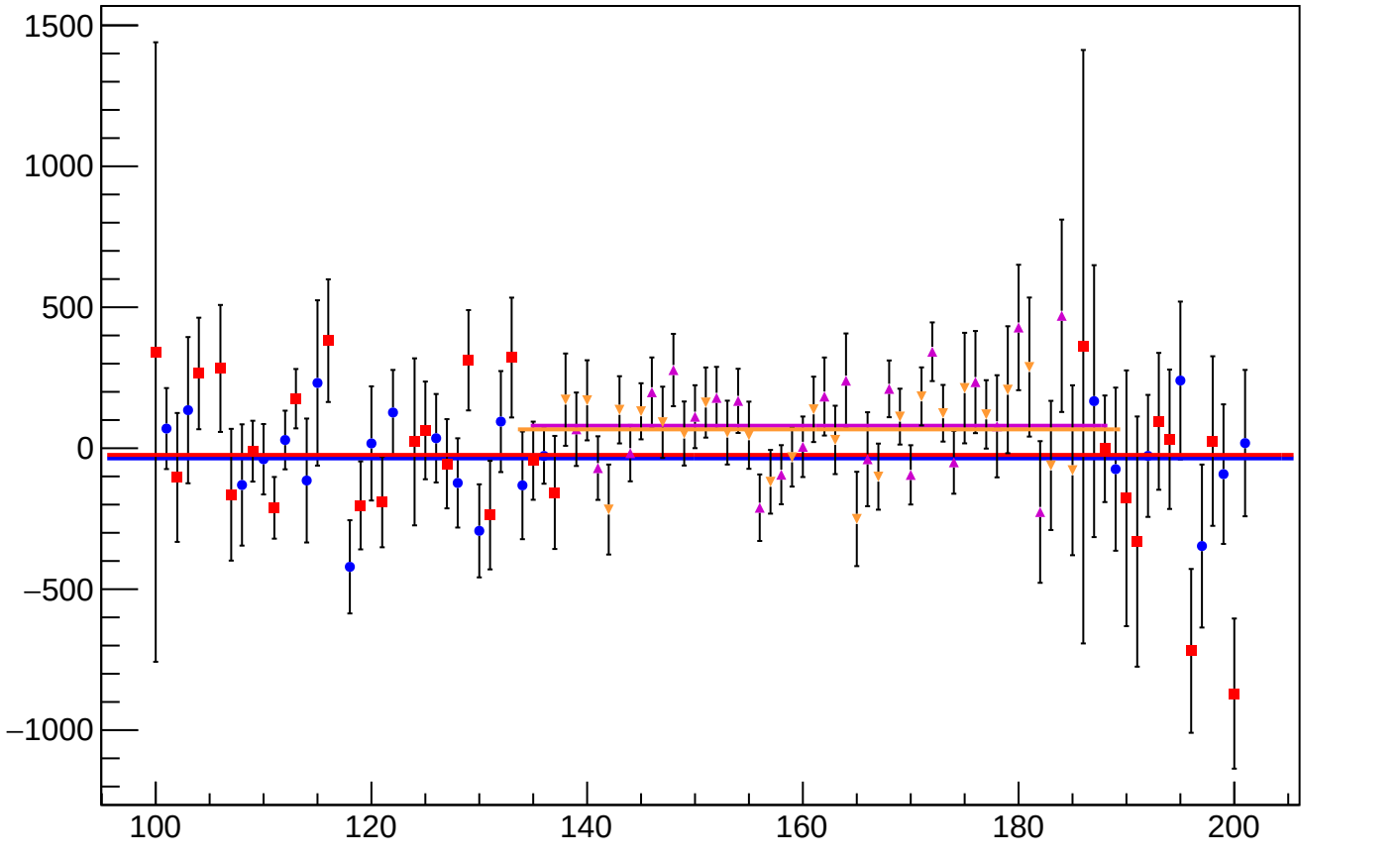
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1237.031+/-0.191 χ^2/NDF: 9660196.8/50

In: 873.089+/-0.119 χ^2/NDF:7491022.4/45

Out: 873.872+/-0.116 χ^2/NDF:8865018.6/52

All: 873.492+/-0.083 χ^2/NDF: 16356063.2/98



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: -23.729+/-35.450 χ^2/NDF: 42.1/27

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

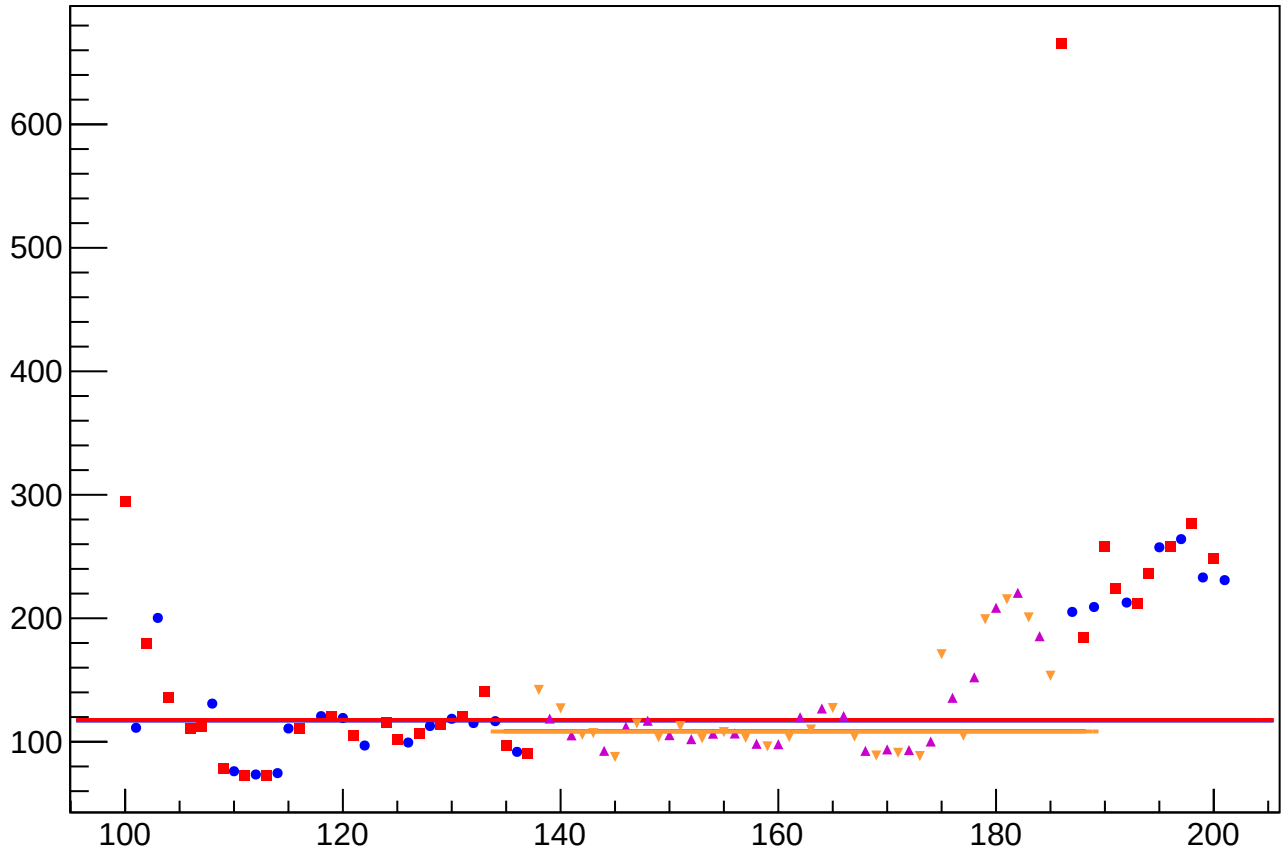
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -29.747+/-25.425 χ^2/NDF: 57.5/50

In: 40.140+/-21.334 χ^2/NDF:58.9/45

Out: 35.861+/-20.746 χ^2/NDF:66.0/52

All: 37.941+/-14.873 χ^2/NDF: 124.9/98



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: 117.591+/-0.025 χ^2/NDF: 4695563.7/27

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

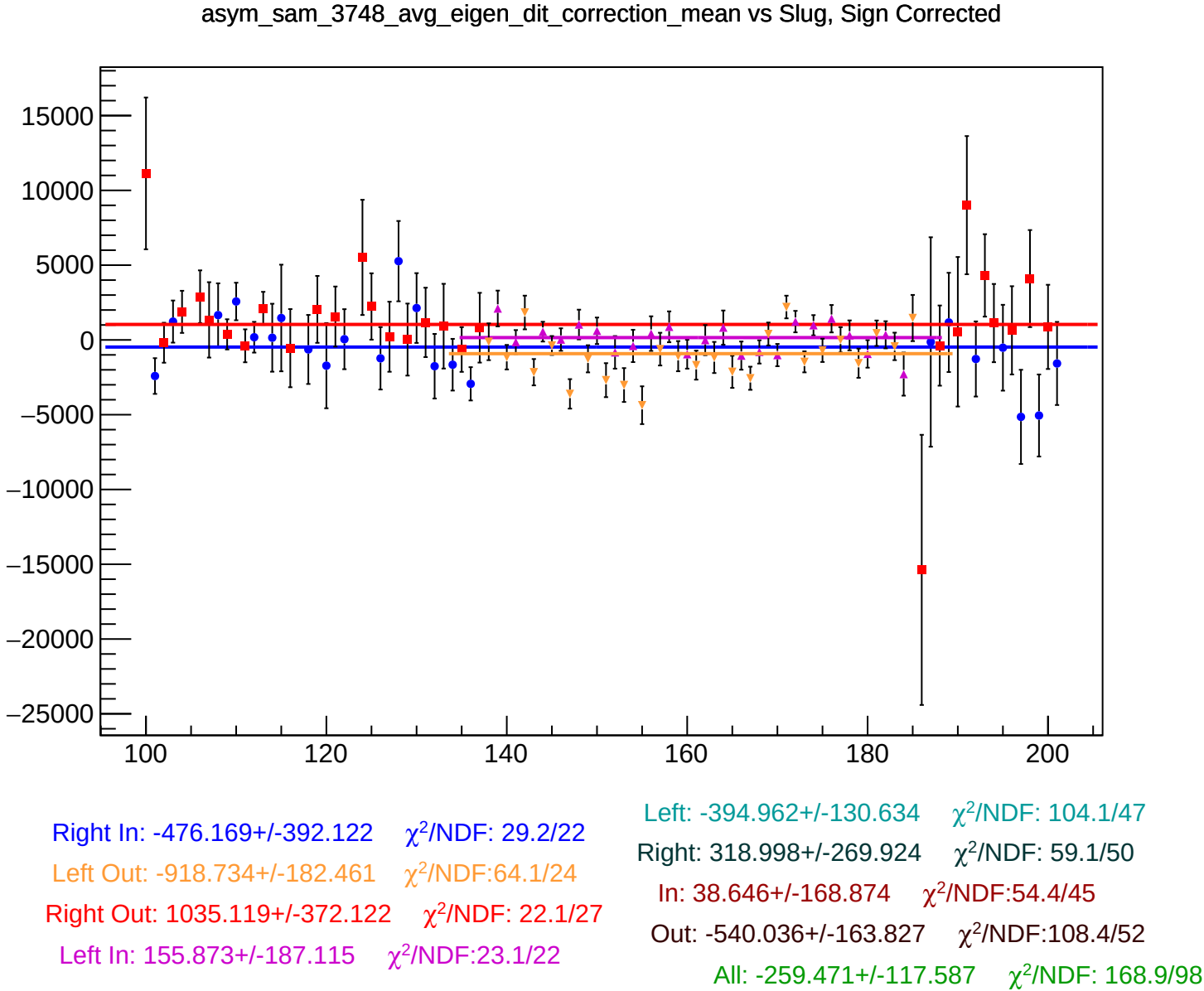
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 117.407+/-0.018 χ^2/NDF: 8254697.5/50

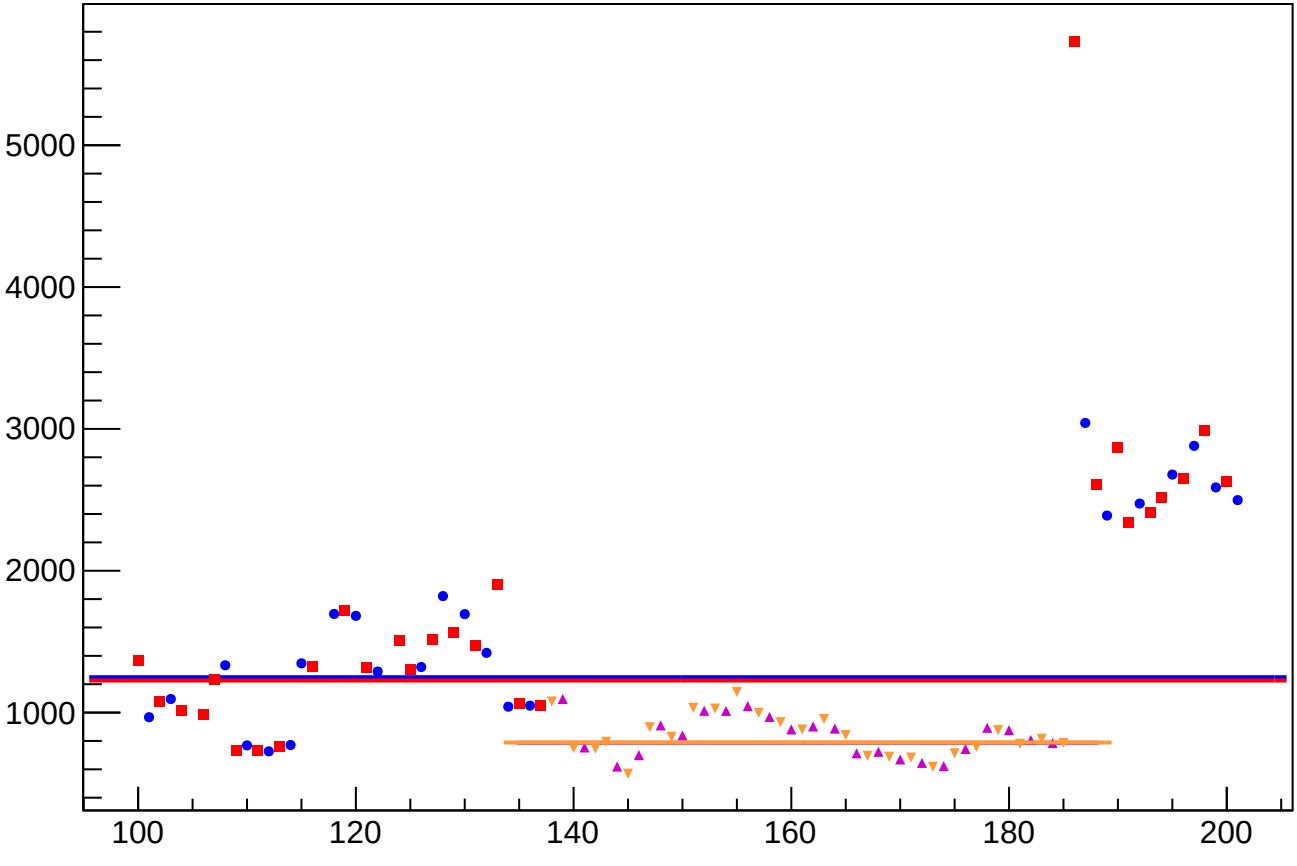
In: 111.474+/-0.015 χ^2/NDF:5013559.4/45

Out: 111.502+/-0.015 χ^2/NDF:6559899.1/52

All: 111.488+/-0.011 χ^2/NDF: 11573460.3/98


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -476.169+/-392.122 χ²/NDF: 29.2/22
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1035.119+/-372.122 χ²/NDF: 22.1/27
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 318.998+/-269.924 χ²/NDF: 59.1/50
In: 38.646+/-168.874 χ²/NDF:54.4/45
Out: -540.036+/-163.827 χ²/NDF:108.4/52
All: -259.471+/-117.587 χ²/NDF: 168.9/98

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1225.850+/-0.263 χ^2/NDF: 5468686.2/27

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

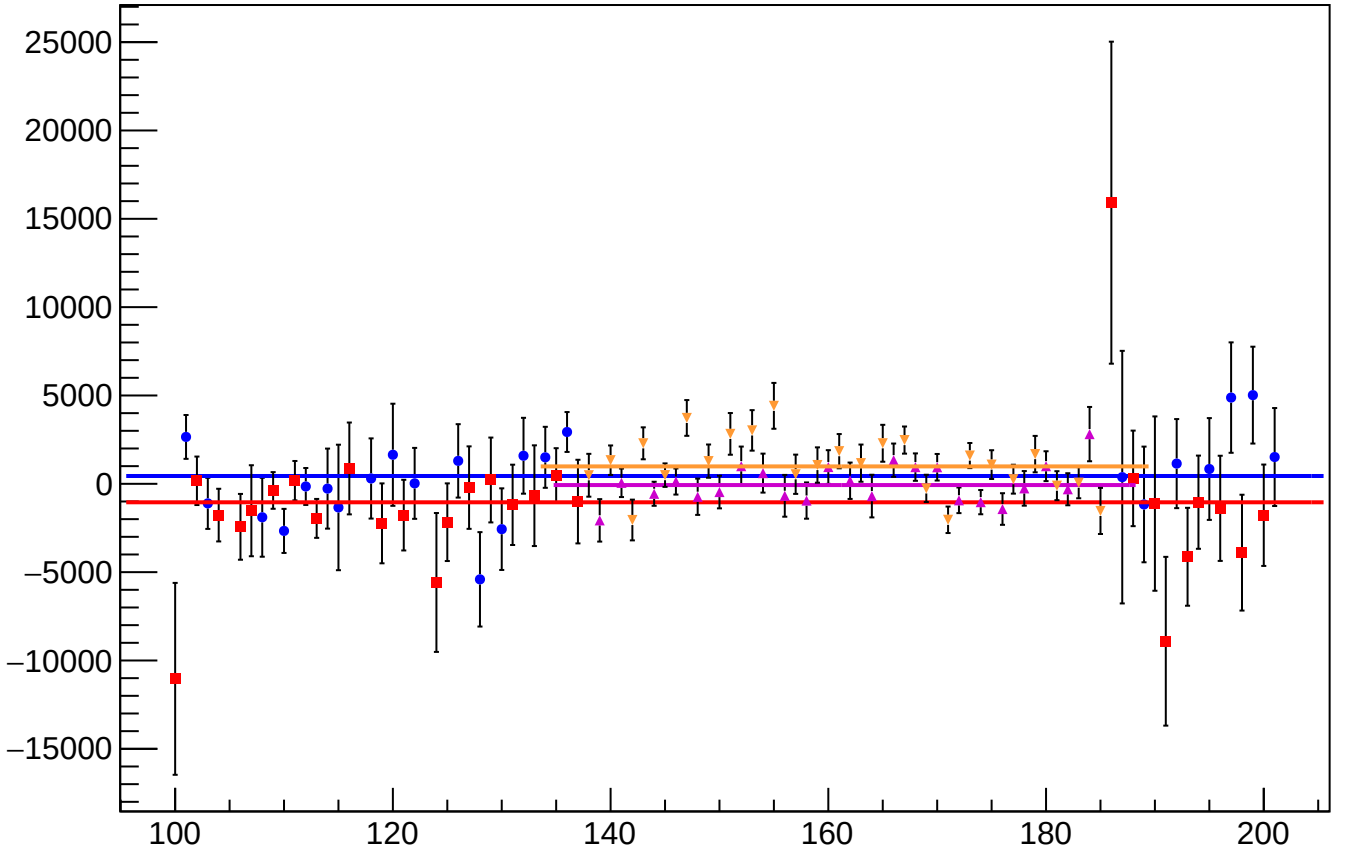
Right: 1237.029+/-0.191 χ^2/NDF: 9660208.2/50

In: 873.087+/-0.119 χ^2/NDF:7491029.5/45

Out: 873.871+/-0.116 χ^2/NDF:8865026.4/52

All: 873.491+/-0.083 χ^2/NDF: 16356078.0/98

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: -1045.855+/-378.256 χ^2/NDF: 19.8/27

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

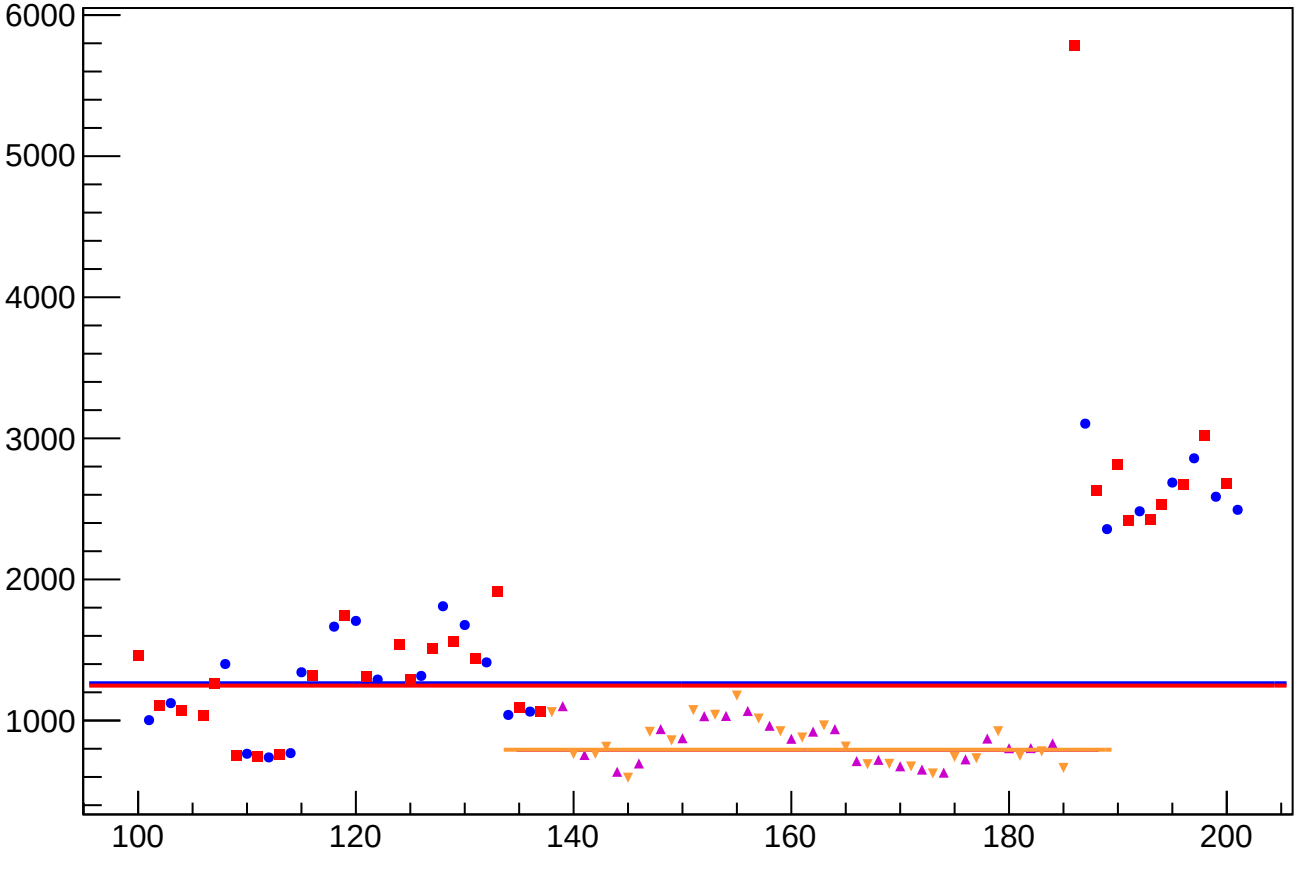
Right: -335.706+/-273.536 χ^2/NDF: 57.2/50

In: 24.256+/-169.862 χ^2/NDF:55.8/45

Out: 598.292+/-165.172 χ^2/NDF:106.8/52

All: 319.308+/-118.417 χ^2/NDF: 168.5/98

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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: 1247.470+/-0.267 χ^2/NDF: 5381626.3/27

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

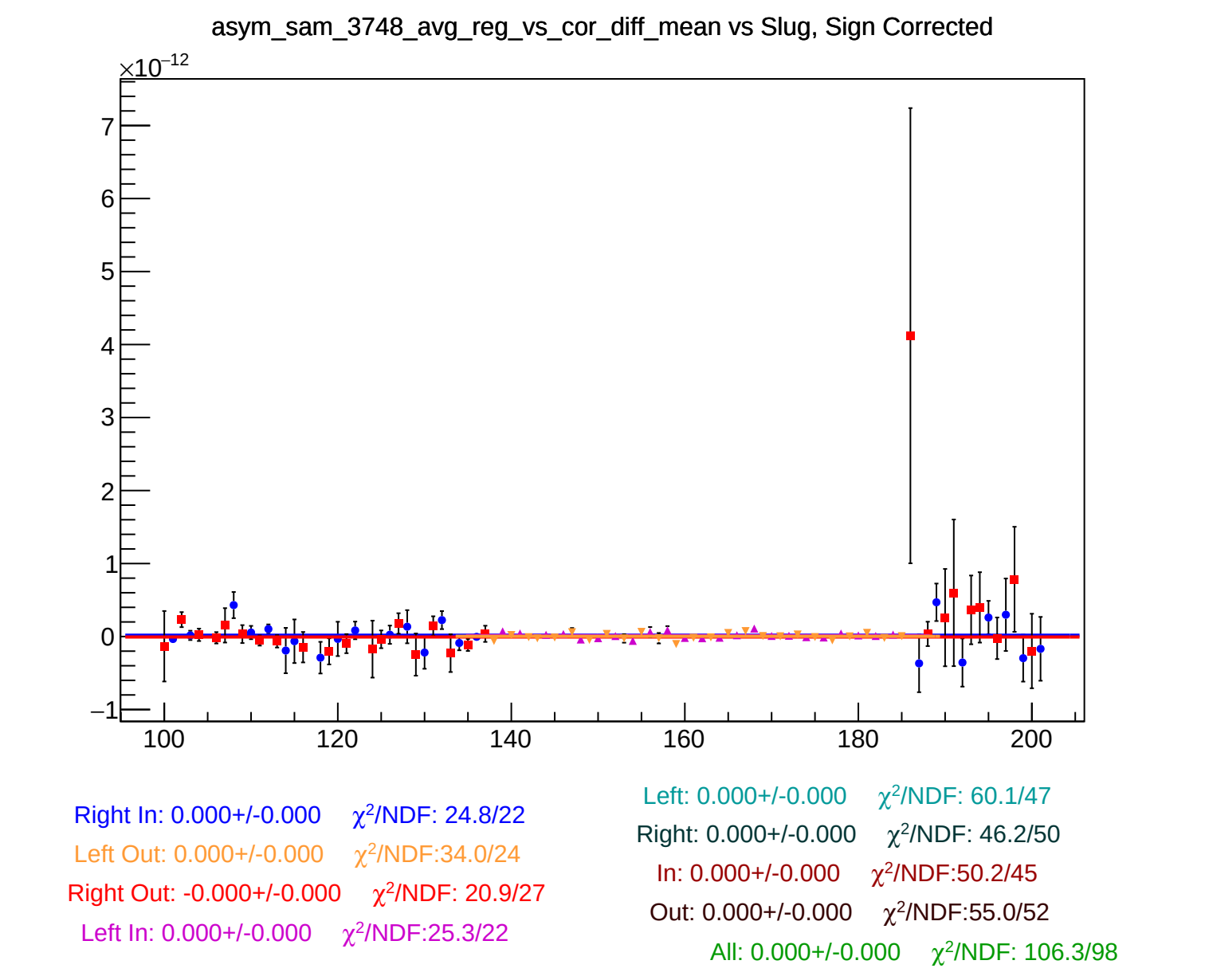
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

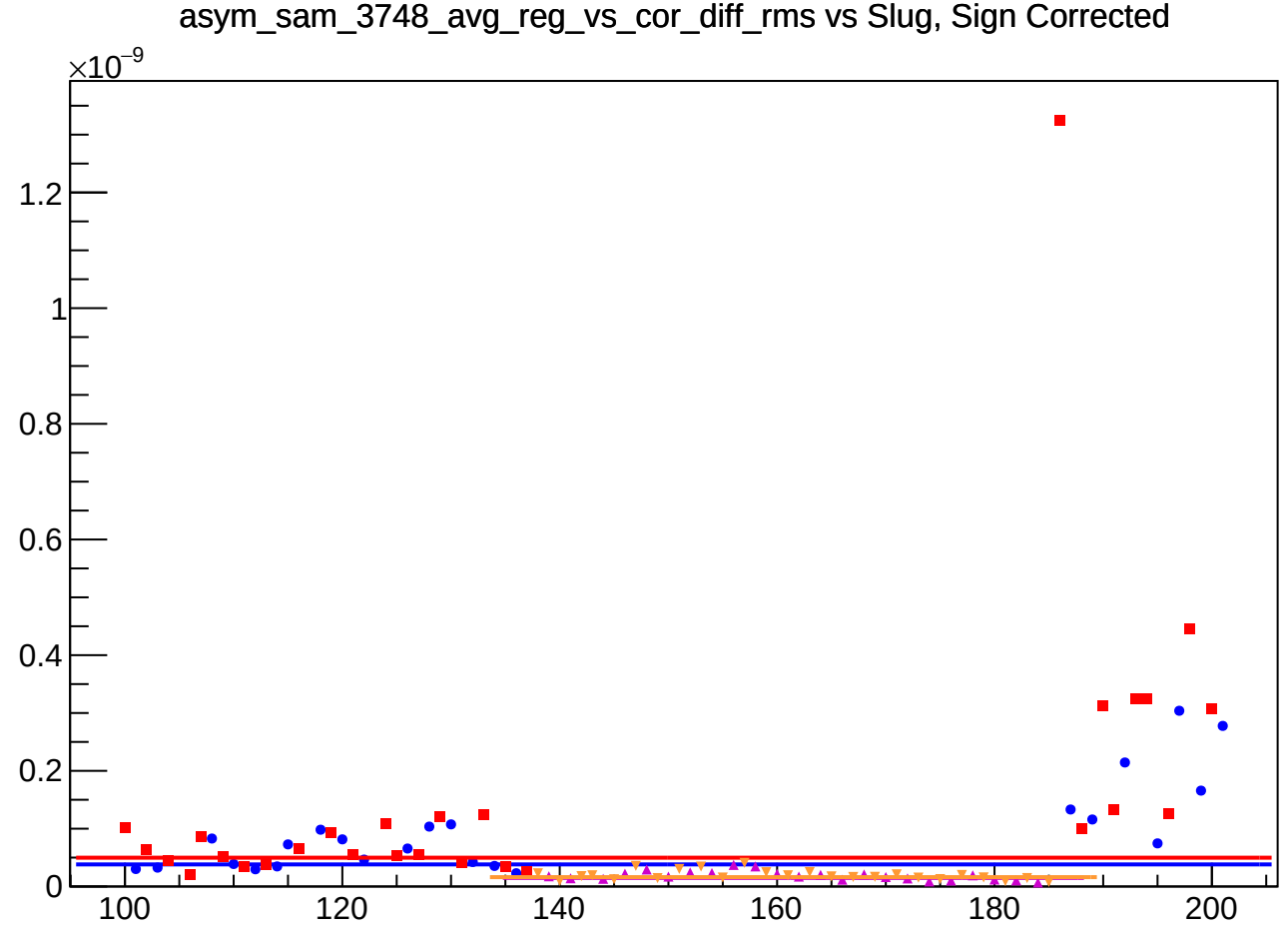
Right: 1255.411+/-0.193 χ^2/NDF: 9476226.1/50

In: 878.163+/-0.120 χ^2/NDF:7469581.6/45

Out: 879.699+/-0.117 χ^2/NDF:8911707.6/52

All: 878.952+/-0.084 χ^2/NDF: 16381373.2/98


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.8/22
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.9/27
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 46.2/50
In: 0.000+/-0.000 χ²/NDF:50.2/45
Out: 0.000+/-0.000 χ²/NDF:55.0/52
All: 0.000+/-0.000 χ²/NDF: 106.3/98



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: 4584447.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

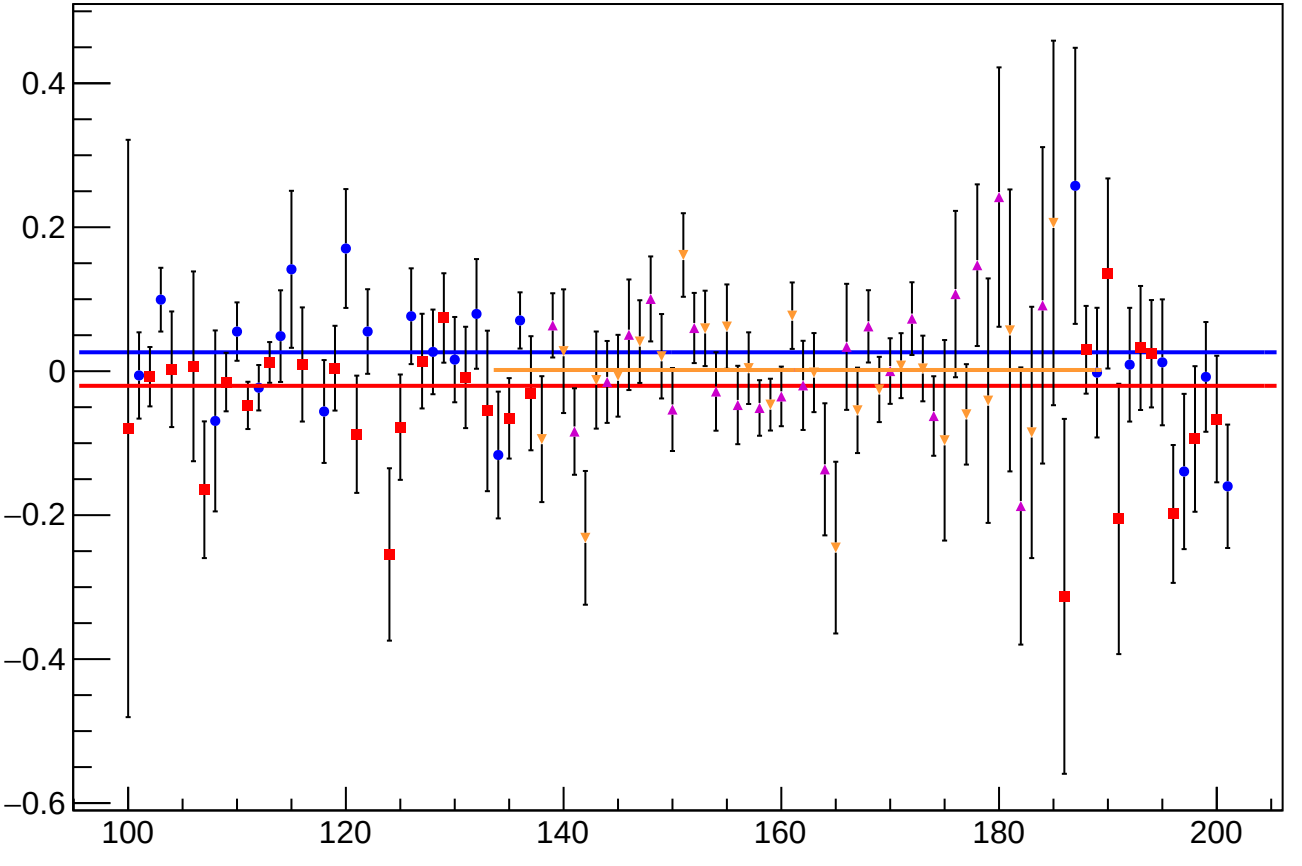
Right: 0.000+/-0.000 χ^2/NDF: 8471601.2/50

In: 0.000+/-0.000 χ^2/NDF:7485140.0/45

Out: 0.000+/-0.000 χ^2/NDF:9399932.9/52

All: 0.000+/-0.000 χ^2/NDF: 16931874.9/98

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 22.8/27

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

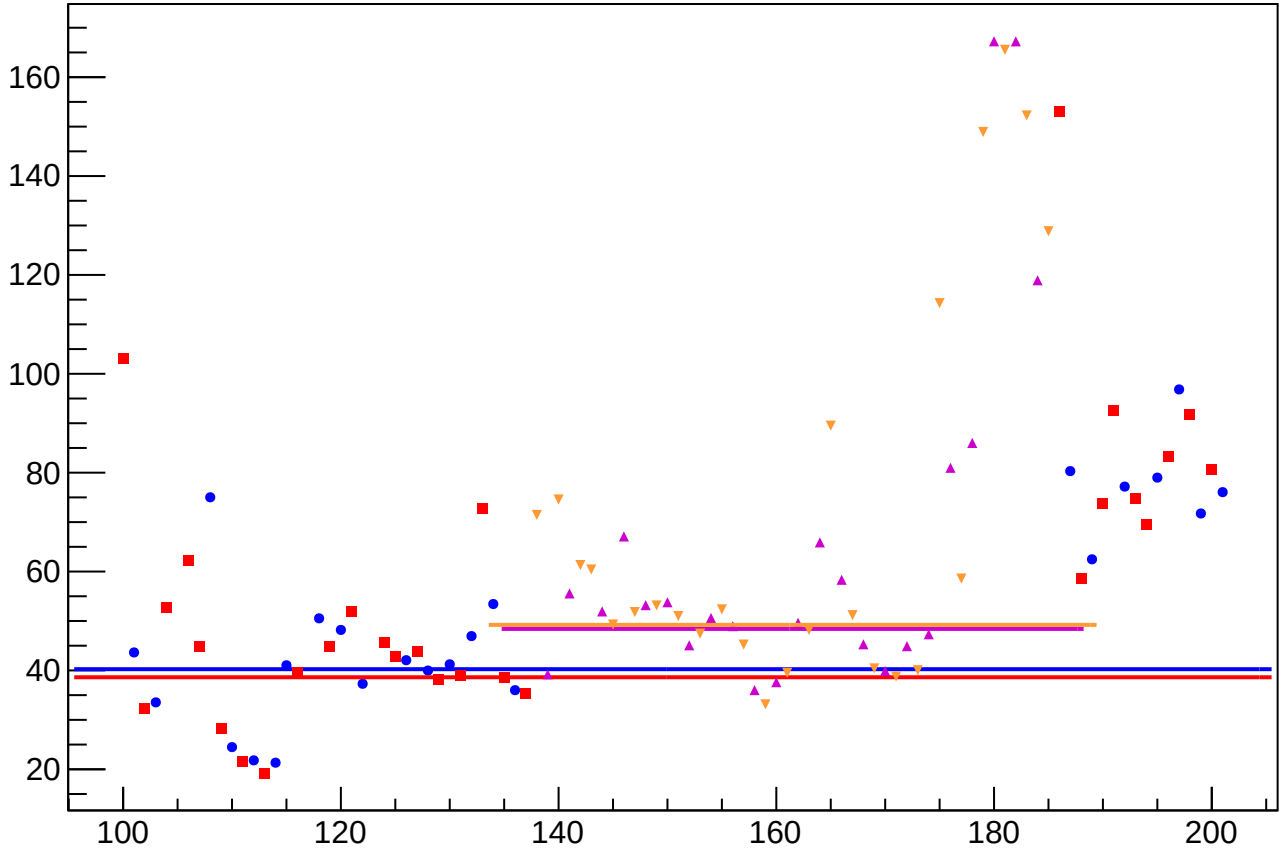
Right: 0.002+/-0.009 χ^2/NDF: 56.1/50

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 112.5/98

asym_sam_3748_avg_dit_vs_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: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

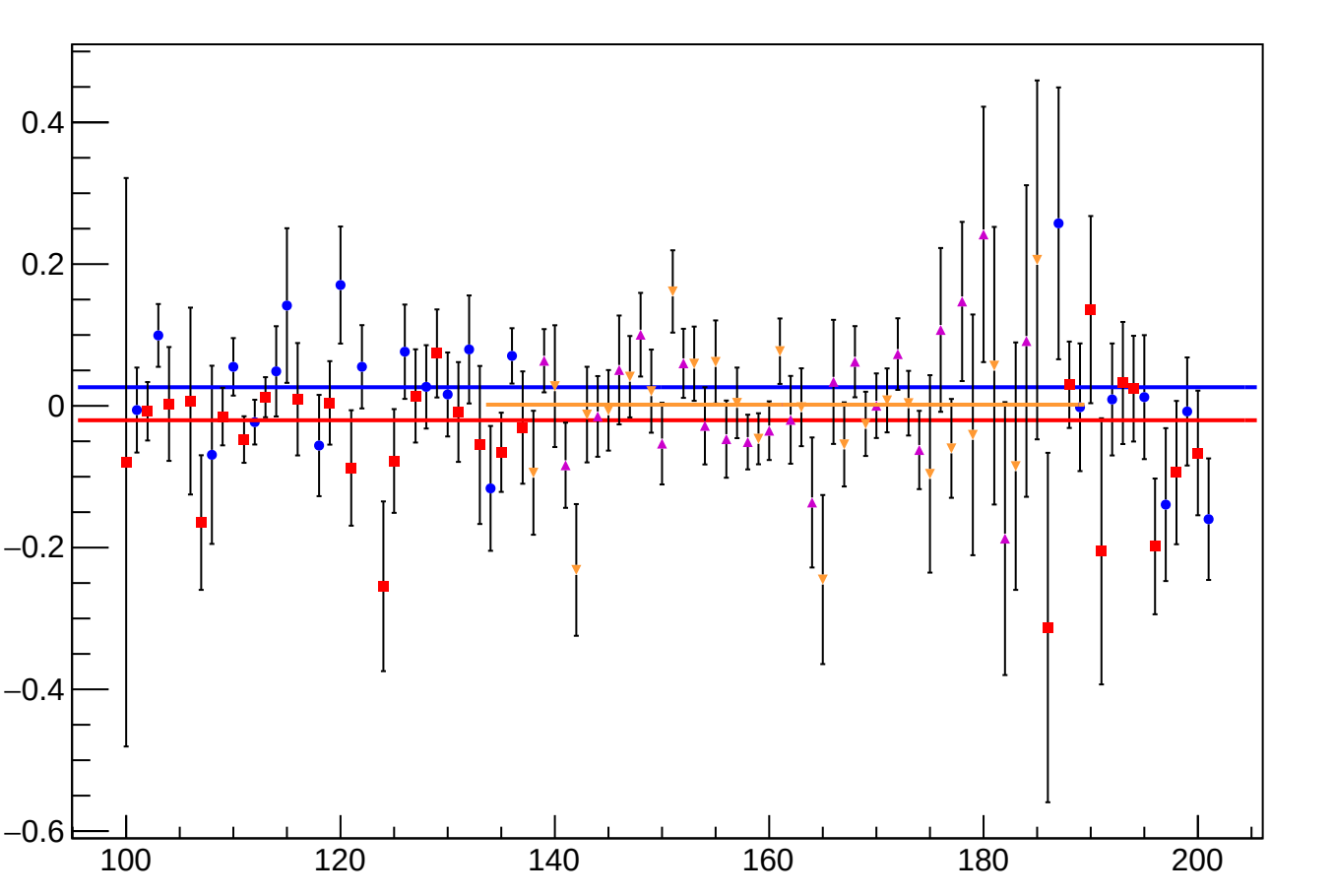
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.381+/-0.006 χ^2/NDF: 9047384.4/50

In: 44.489+/-0.006 χ^2/NDF:7245657.7/45

Out: 43.831+/-0.006 χ^2/NDF:10159988.8/52

All: 44.148+/-0.004 χ^2/NDF: 17411268.2/98



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: 22.8/27

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

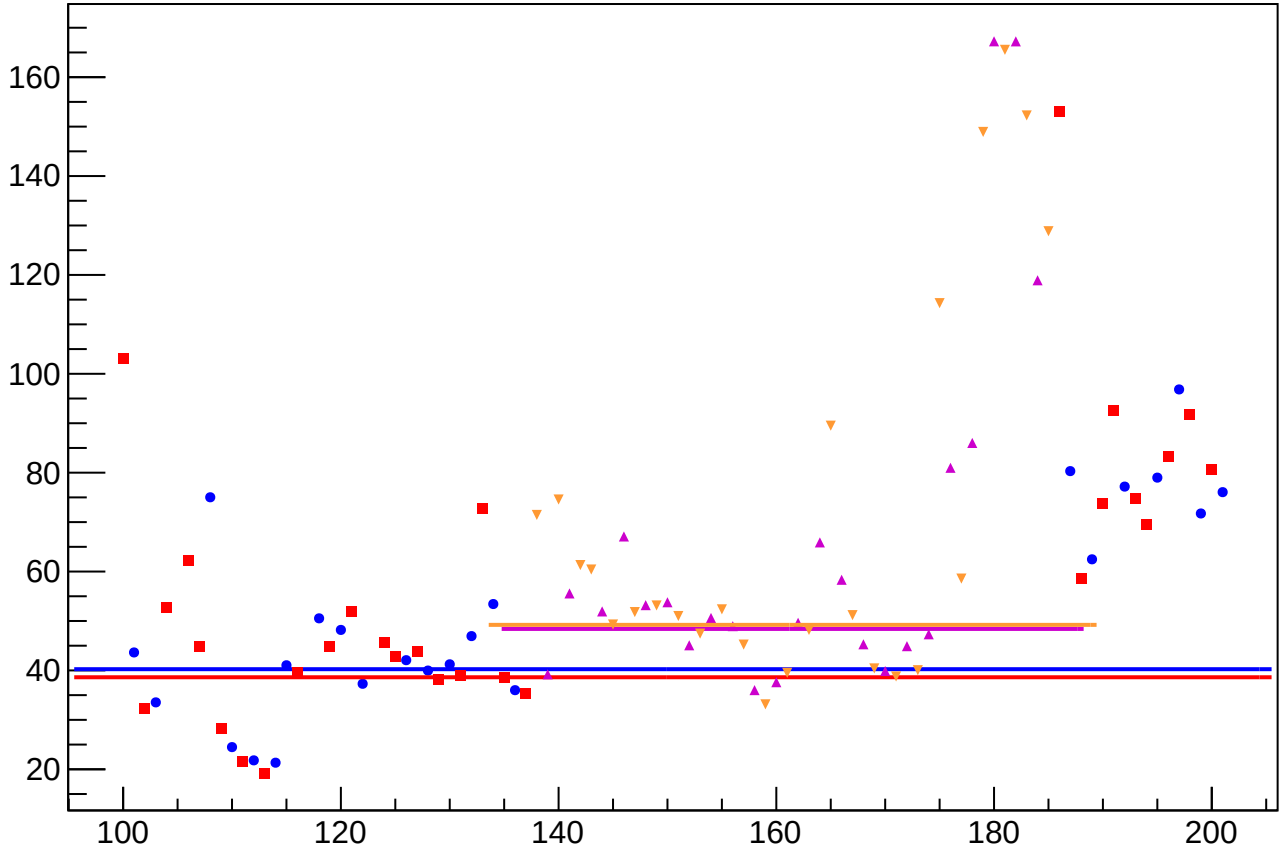
Right: 0.002+/-0.009 χ^2/NDF: 56.1/50

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 112.5/98

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: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

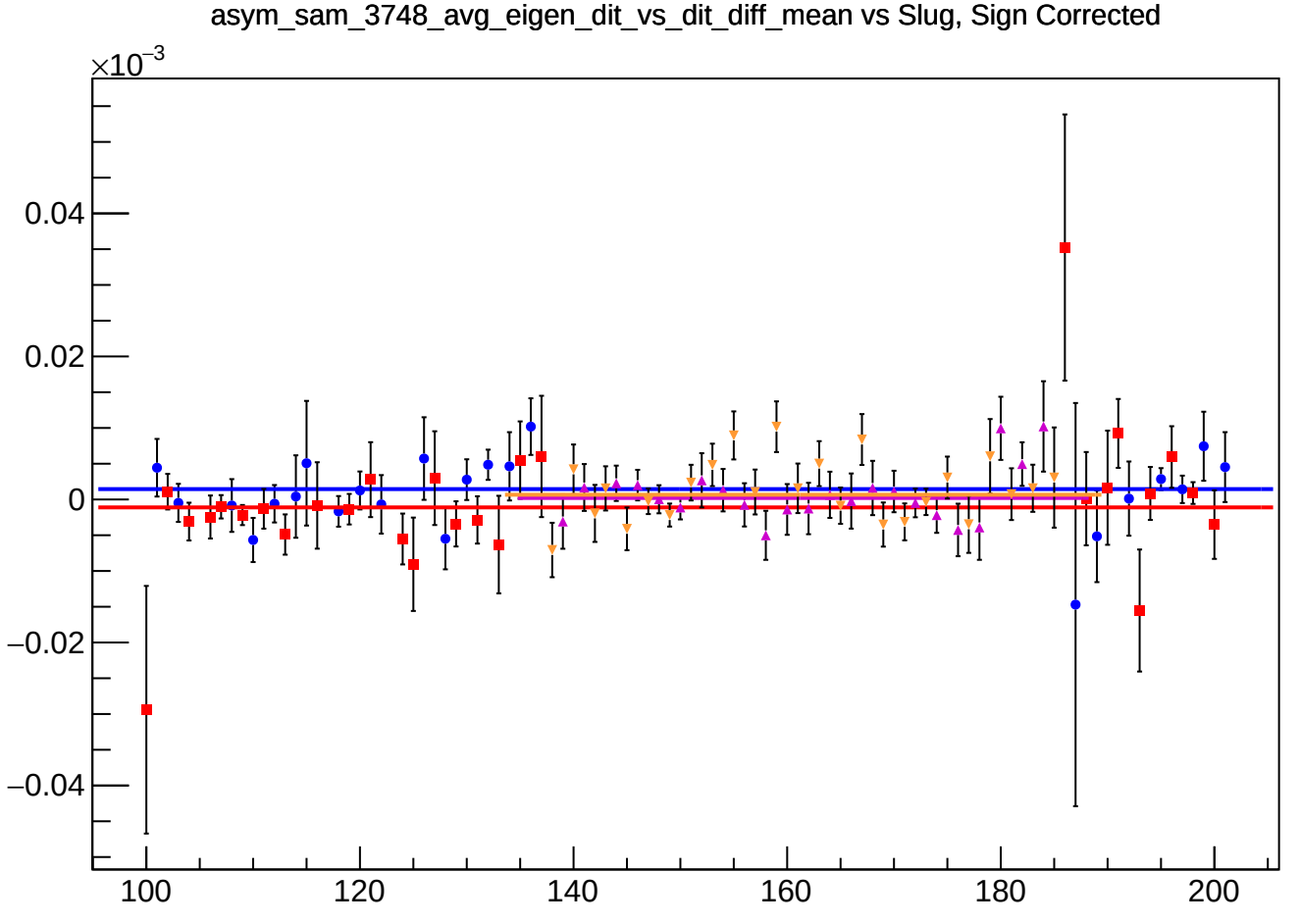
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.381+/-0.006 χ^2/NDF: 9047384.4/50

In: 44.489+/-0.006 χ^2/NDF:7245657.7/45

Out: 43.831+/-0.006 χ^2/NDF:10159988.8/52

All: 44.148+/-0.004 χ^2/NDF: 17411268.2/98



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: 30.6/27

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

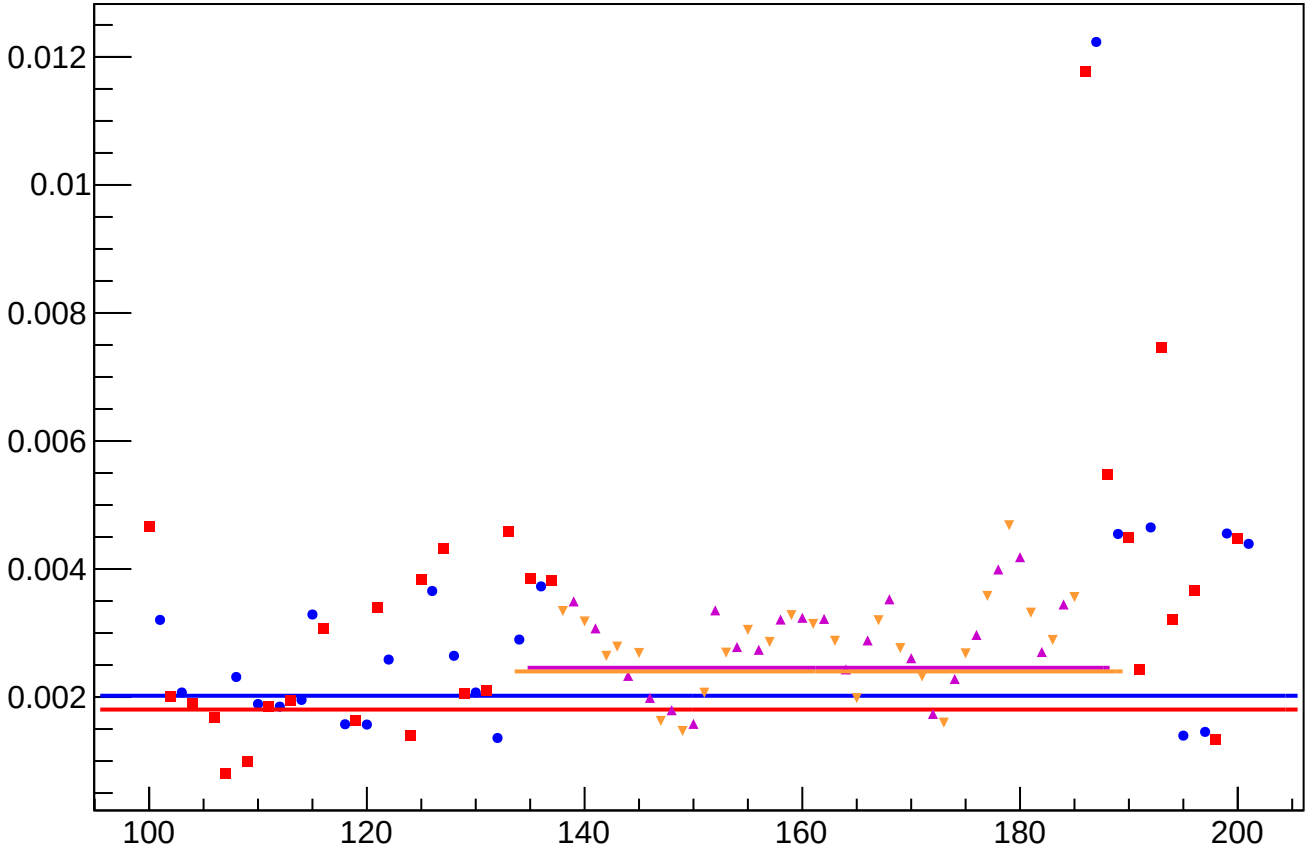
Right: 0.000+/-0.000 χ^2/NDF: 64.7/50

In: 0.000+/-0.000 χ^2/NDF:47.2/45

Out: -0.000+/-0.000 χ^2/NDF:76.9/52

All: 0.000+/-0.000 χ^2/NDF: 126.9/98

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: 6878012.9/27

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

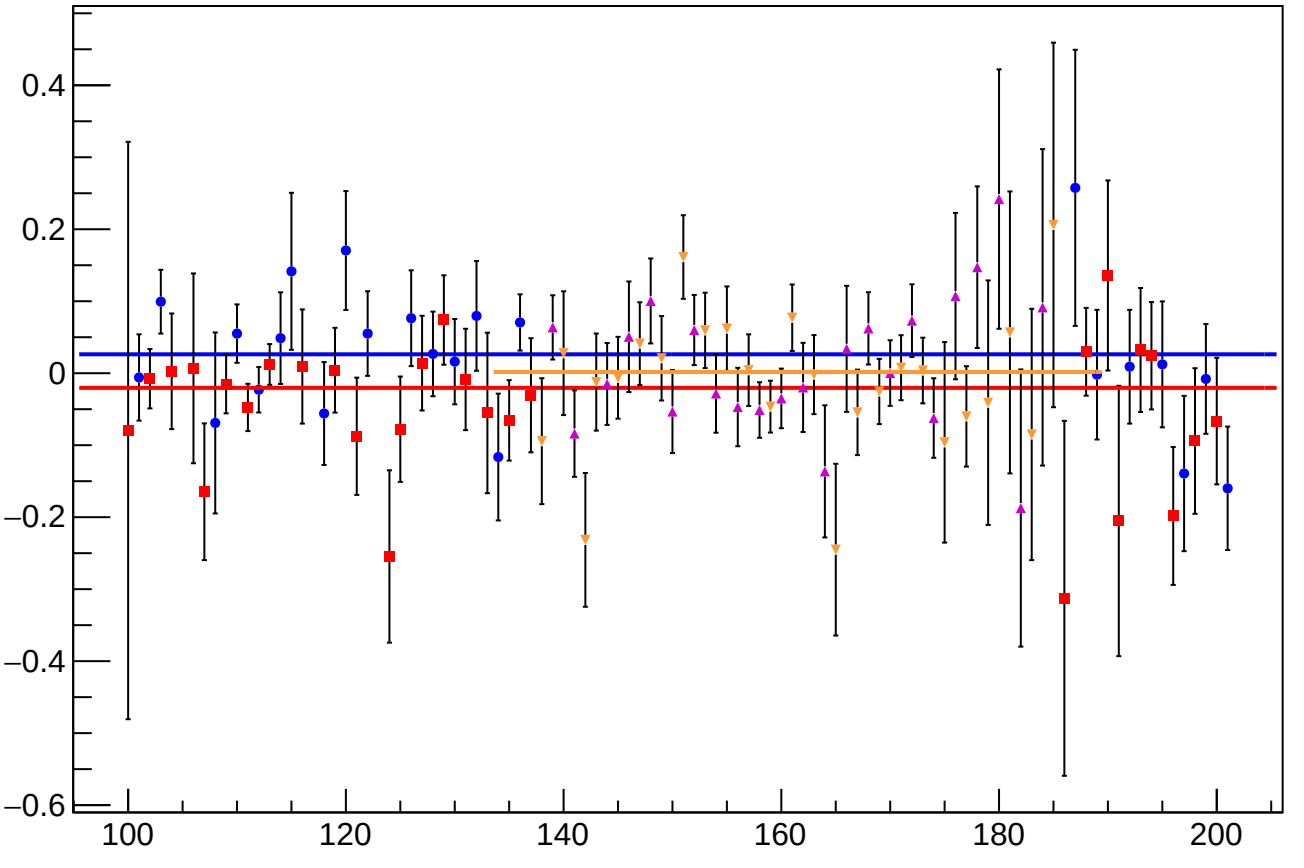
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 10880215.9/50

In: 0.002+/-0.000 χ^2/NDF:6998039.7/45

Out: 0.002+/-0.000 χ^2/NDF:11061712.3/52

All: 0.002+/-0.000 χ^2/NDF: 18178437.7/98



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: 22.8/27

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

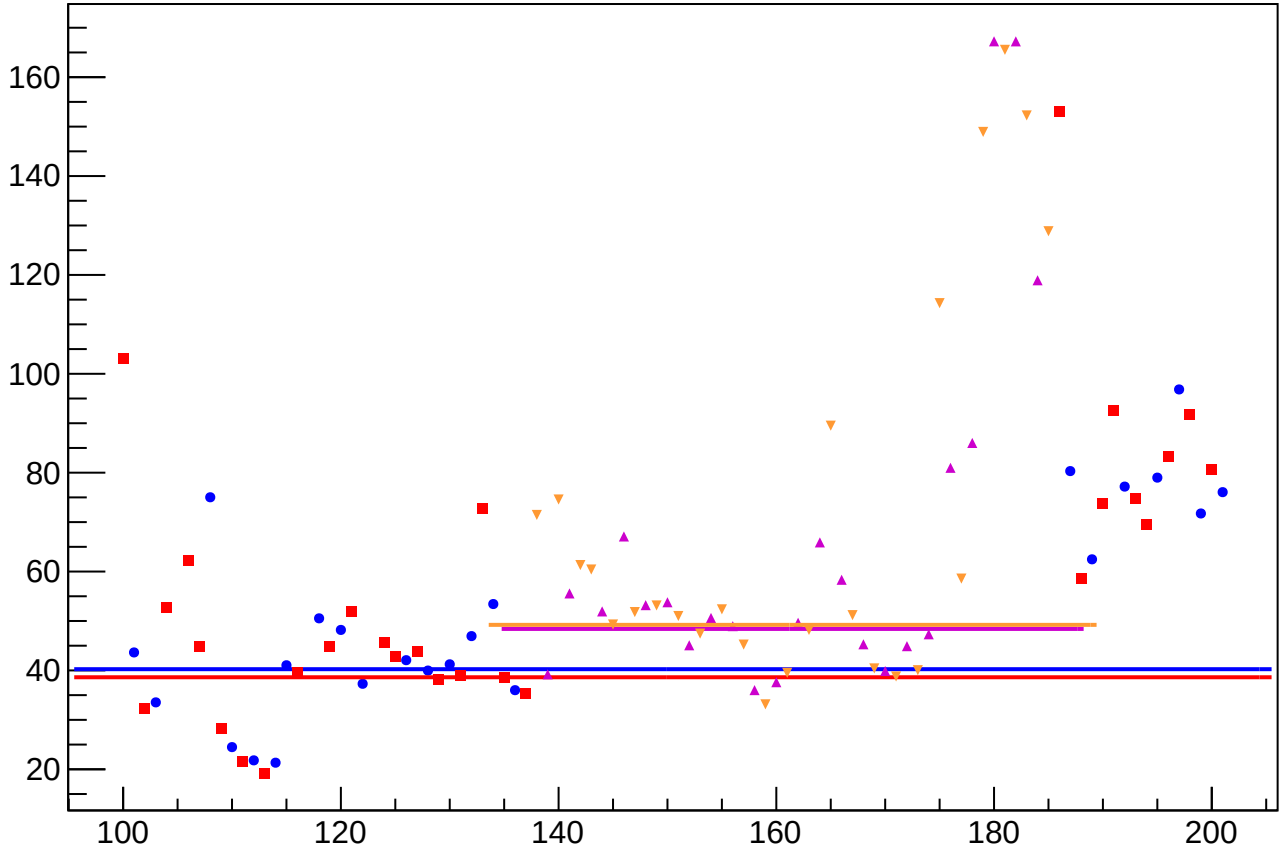
Right: 0.002+/-0.009 χ^2/NDF: 56.0/50

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 112.5/98

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: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

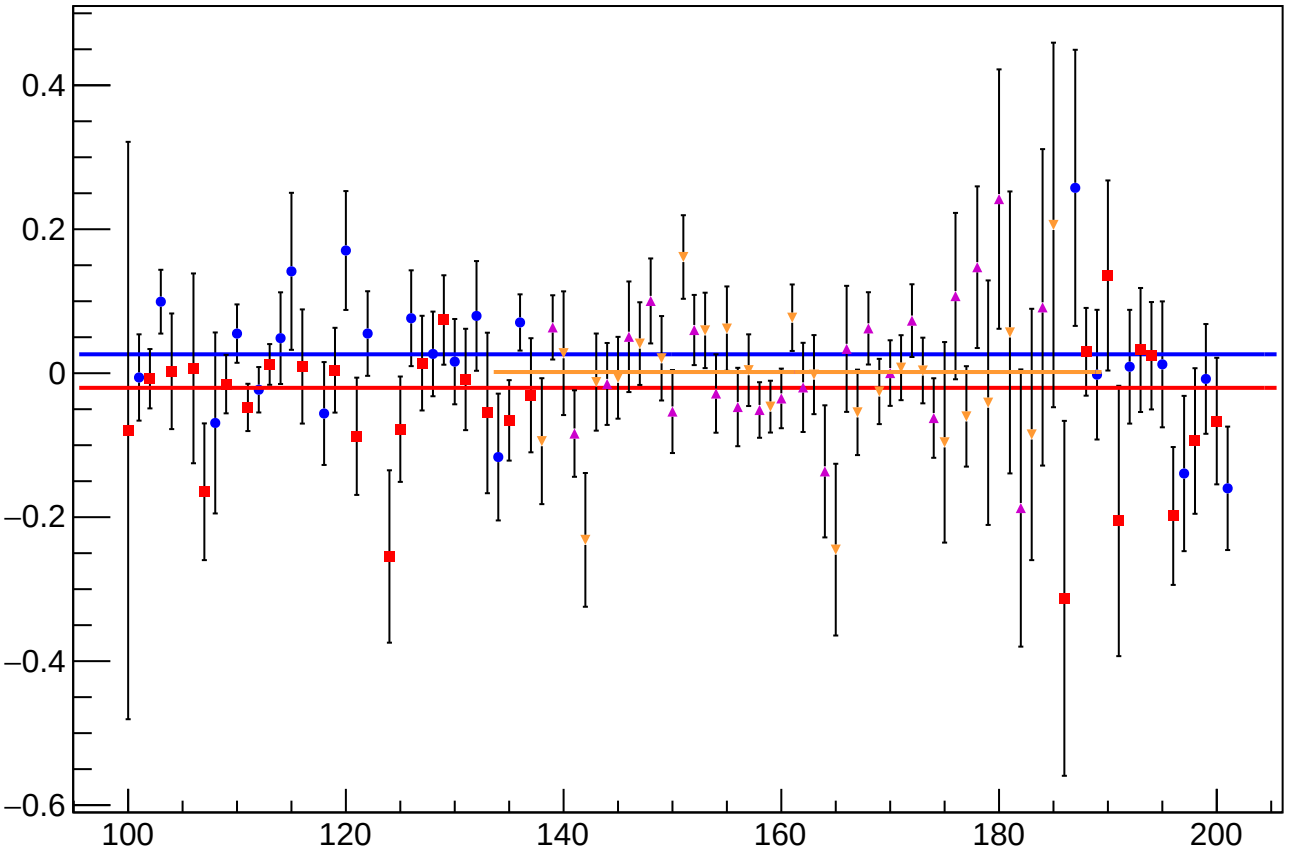
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.382+/-0.006 χ^2/NDF: 9047228.3/50

In: 44.489+/-0.006 χ^2/NDF:7245530.7/45

Out: 43.831+/-0.006 χ^2/NDF:10159912.8/52

All: 44.149+/-0.004 χ^2/NDF: 17411063.9/98



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: 22.8/27

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

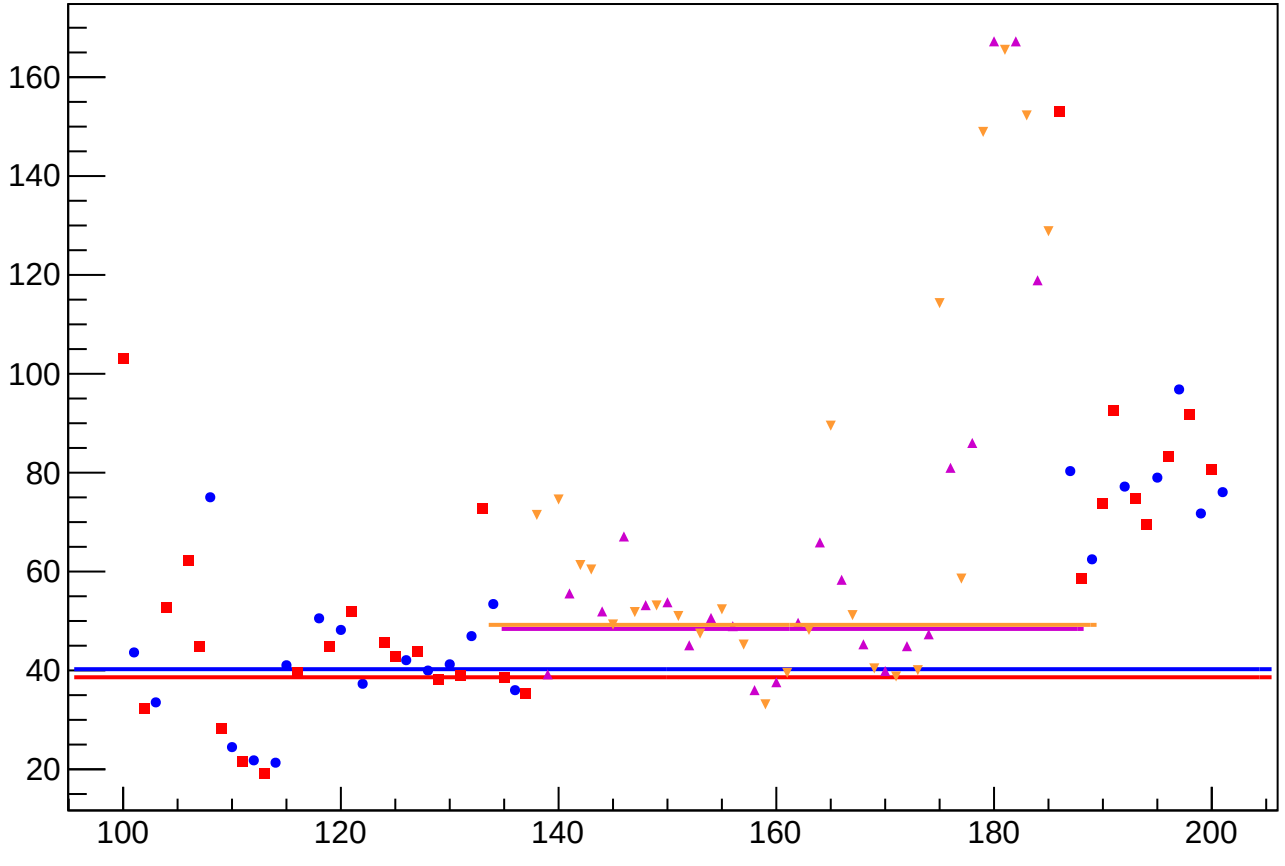
Right: 0.002+/-0.009 χ^2/NDF: 56.0/50

In: 0.013+/-0.009 χ^2/NDF:54.2/45

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 112.5/98

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: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

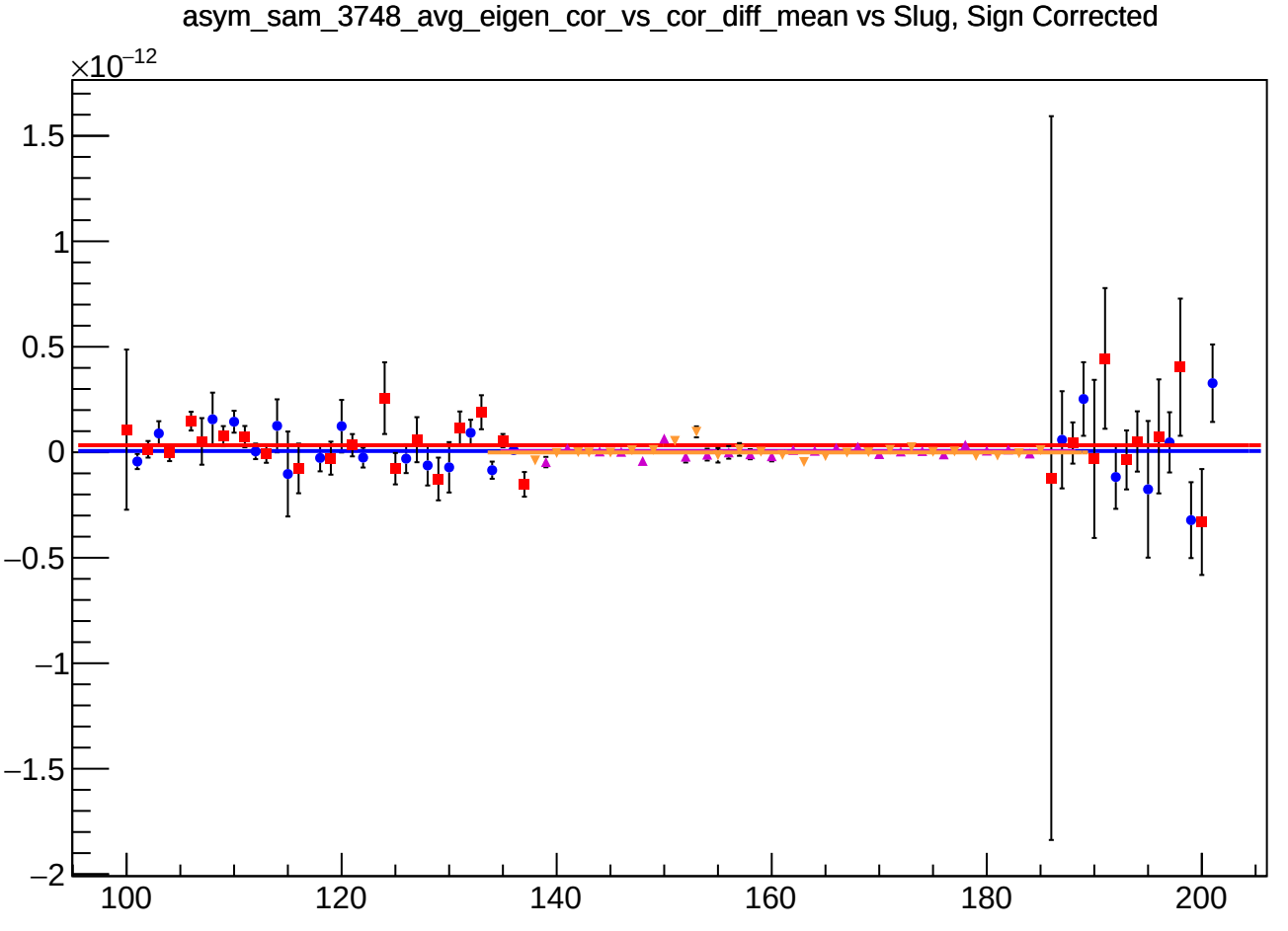
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.382+/-0.006 χ^2/NDF: 9047228.3/50

In: 44.489+/-0.006 χ^2/NDF:7245530.7/45

Out: 43.831+/-0.006 χ^2/NDF:10159912.8/52

All: 44.149+/-0.004 χ^2/NDF: 17411063.9/98



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: 38.7/27

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

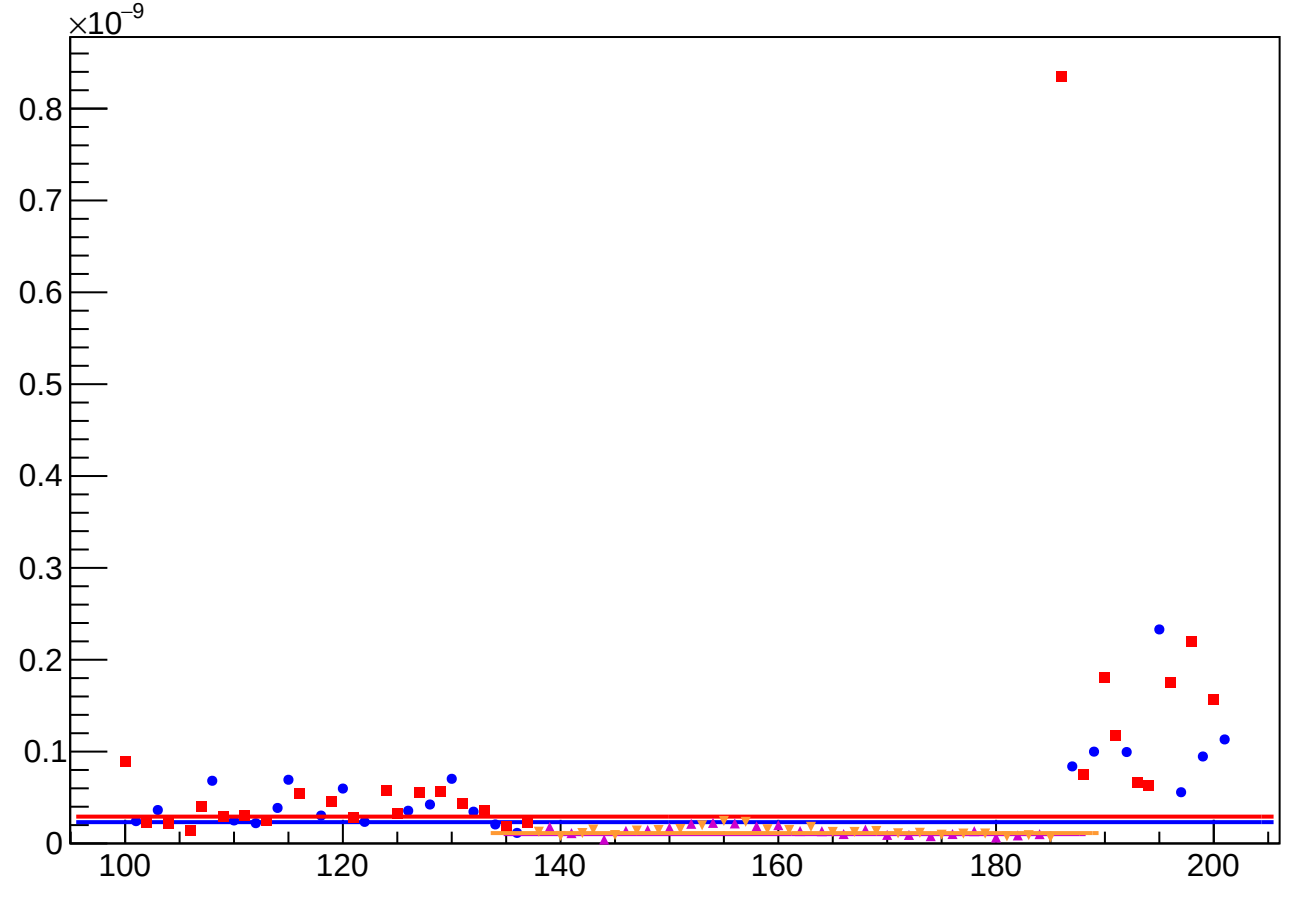
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 74.4/50

In: 0.000+/-0.000 χ^2/NDF:61.5/45

Out: 0.000+/-0.000 χ^2/NDF:82.4/52

All: 0.000+/-0.000 χ^2/NDF: 144.7/98



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: 4690000.6/27

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

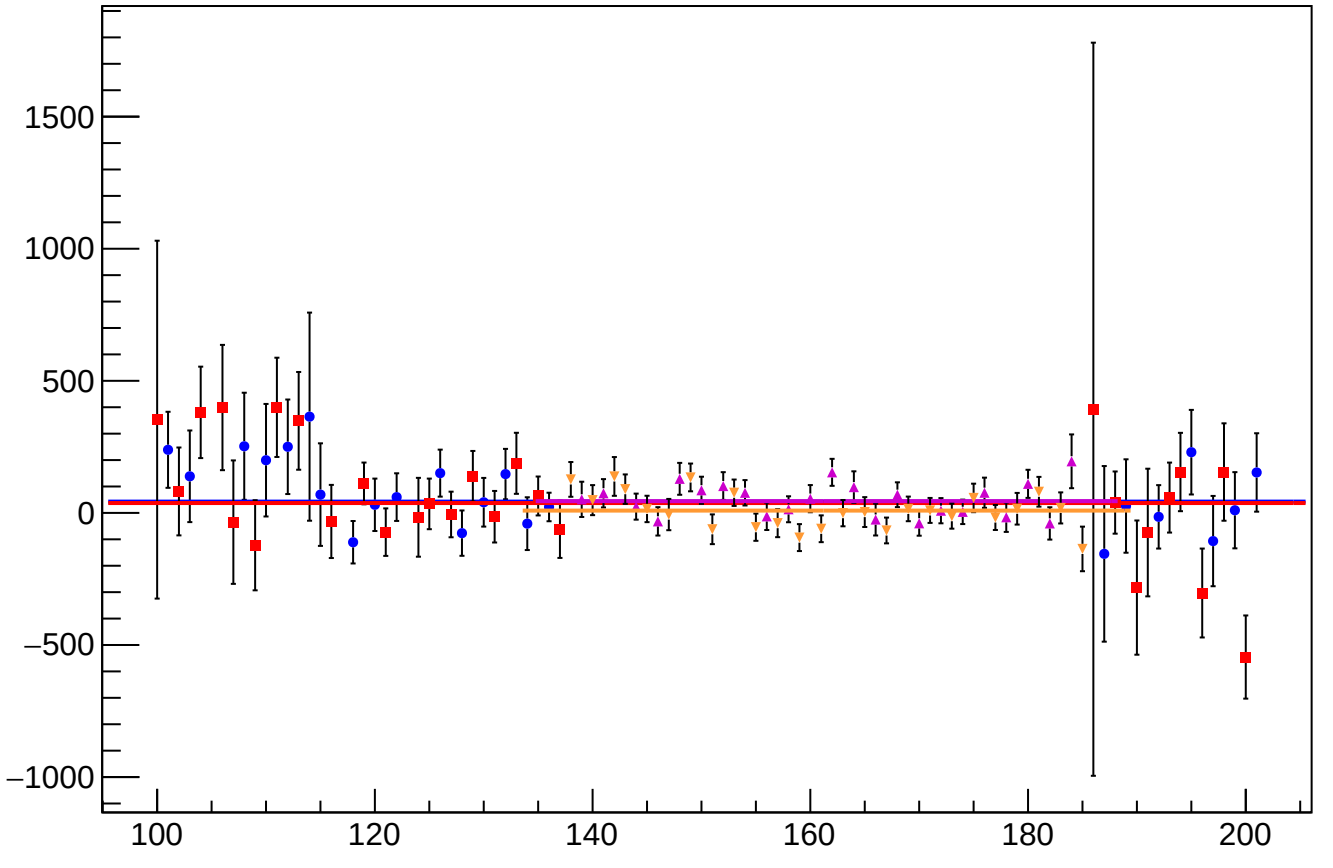
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9862655.2/50

In: 0.000+/-0.000 χ^2/NDF:11436139.8/45

Out: 0.000+/-0.000 χ^2/NDF:10594512.2/52

All: 0.000+/-0.000 χ^2/NDF: 22202431.7/98



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: 37.338+/-24.286 χ^2/NDF: 41.9/27

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

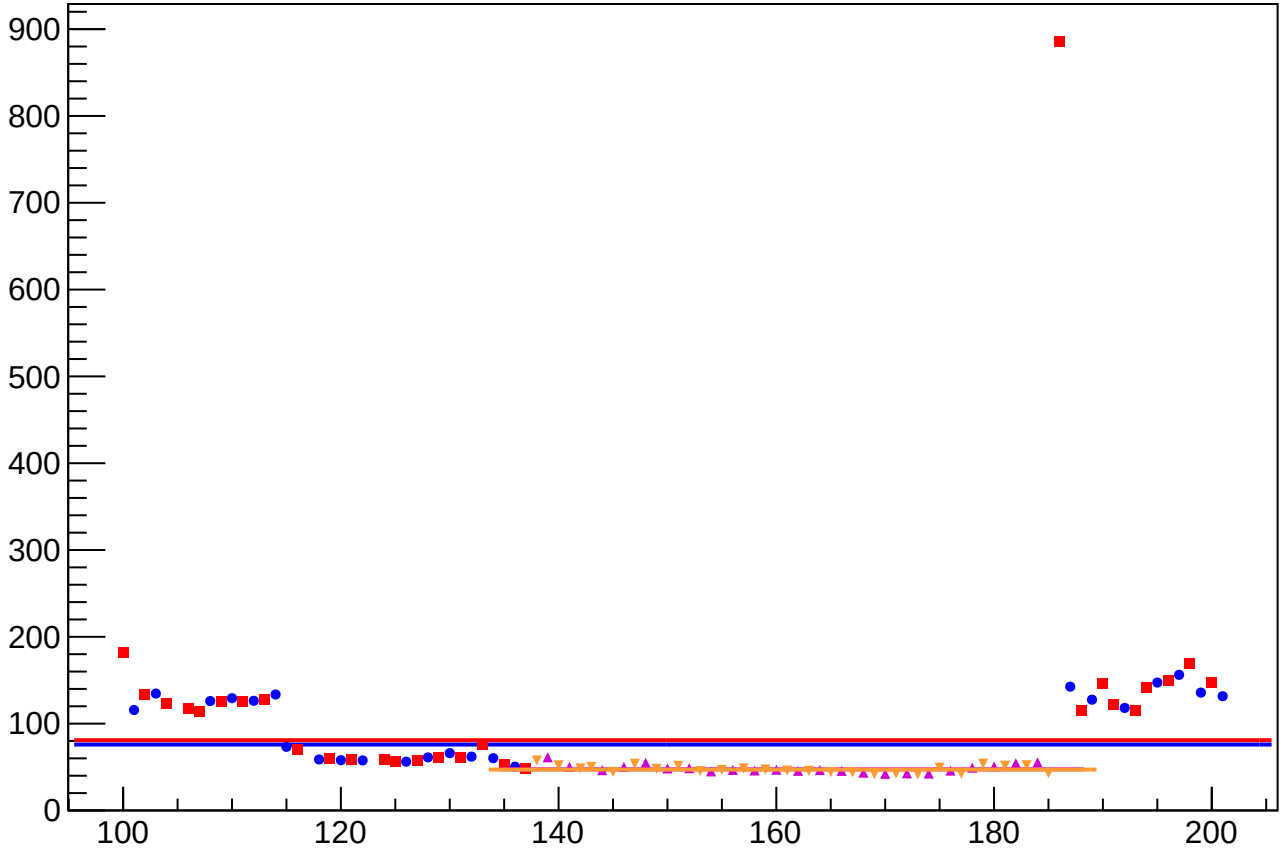
Right: 40.125+/-16.959 χ^2/NDF: 60.2/50

In: 44.221+/-10.087 χ^2/NDF:45.3/45

Out: 13.452+/-9.845 χ^2/NDF:77.7/52

All: 28.463+/-7.046 χ^2/NDF: 127.7/98

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: 80.936+/-0.017 χ^2/NDF: 4697279.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

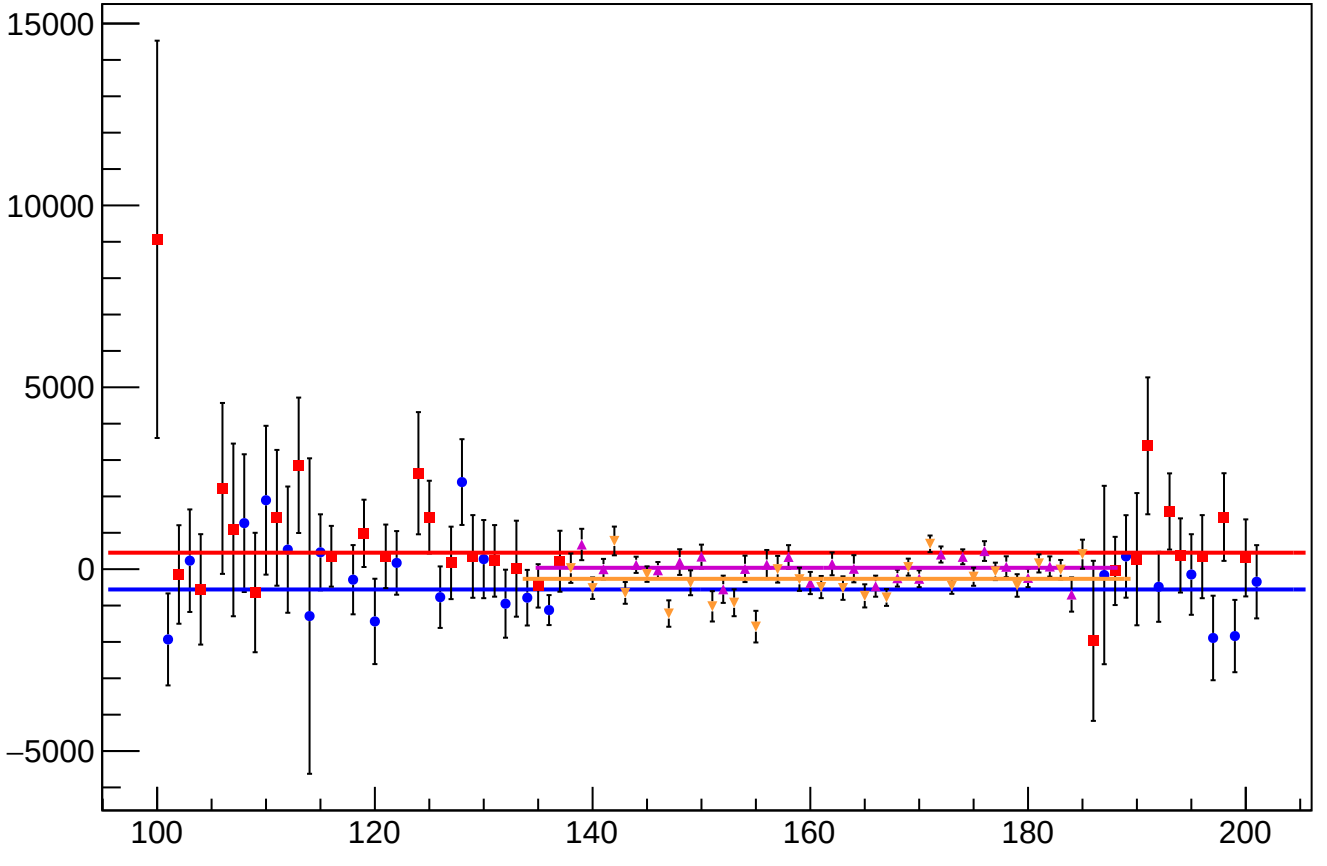
Right: 78.369+/-0.012 χ^2/NDF: 8495548.2/50

In: 52.558+/-0.007 χ^2/NDF:6402491.1/45

Out: 52.630+/-0.007 χ^2/NDF:8235829.3/52

All: 52.595+/-0.005 χ^2/NDF: 14638371.9/98

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



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: 453.002+/-216.373 χ^2/NDF: 17.6/27

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

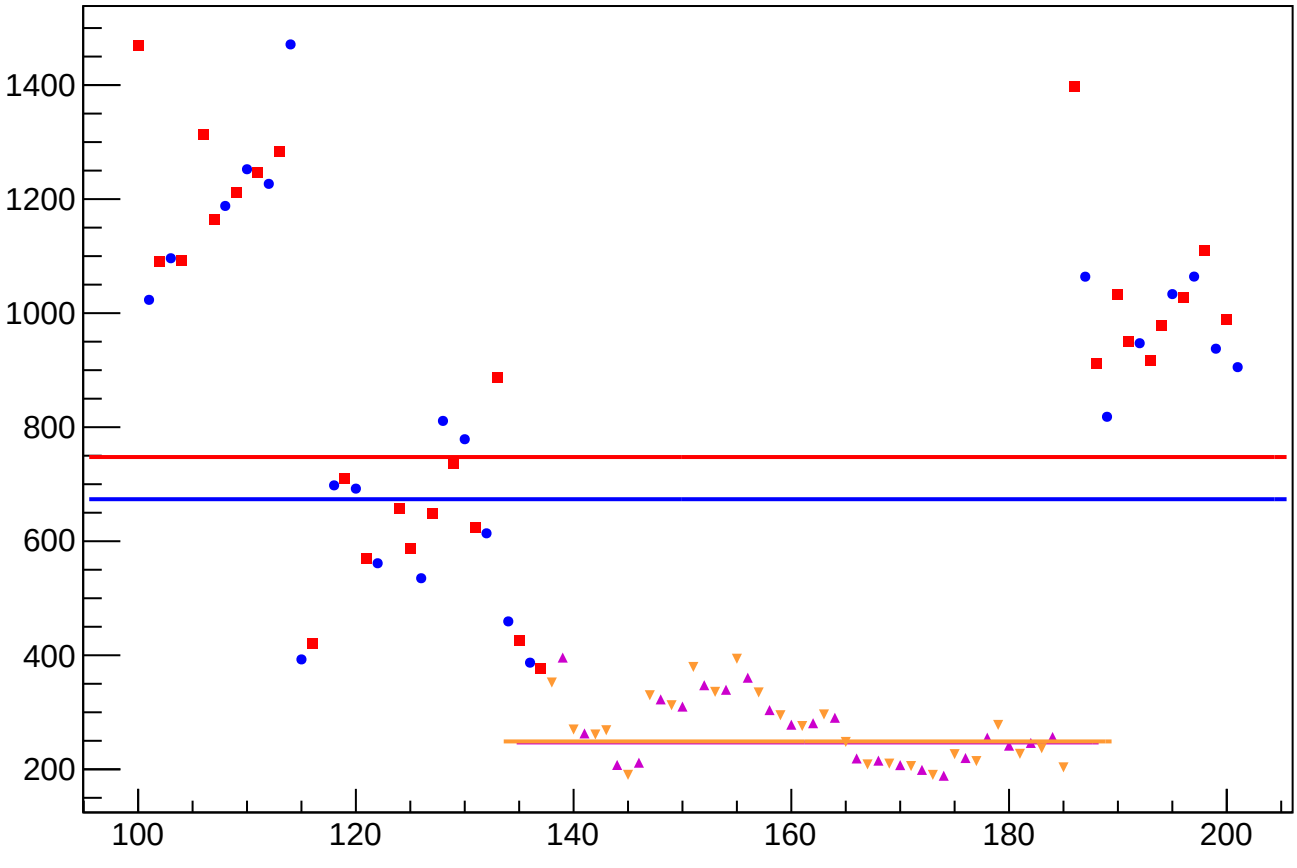
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -75.359+/-149.488 χ^2/NDF: 48.5/50

In: -7.522+/-56.877 χ^2/NDF:53.8/45

Out: -217.457+/-56.050 χ^2/NDF:97.7/52

All: -114.026+/-39.923 χ^2/NDF: 158.4/98



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: 747.661+/-0.153 χ^2/NDF: 3276585.9/27

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

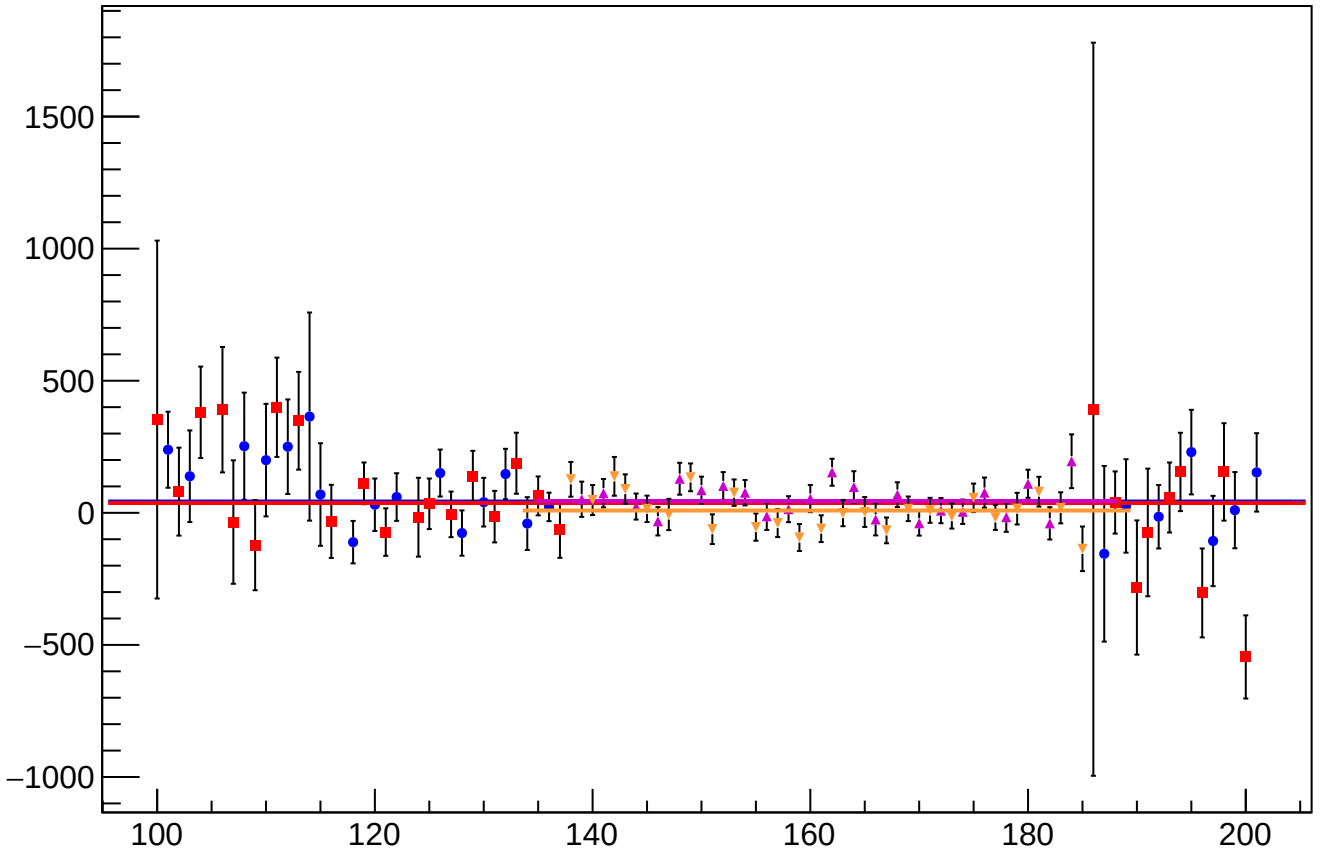
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 709.005+/-0.106 χ^2/NDF: 6650184.2/50

In: 279.388+/-0.040 χ^2/NDF:12604923.8/45

Out: 282.361+/-0.040 χ^2/NDF:14854537.0/52

All: 280.896+/-0.028 χ^2/NDF: 27462231.8/98



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: 37.215+/-24.287 χ^2/NDF: 41.8/27

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

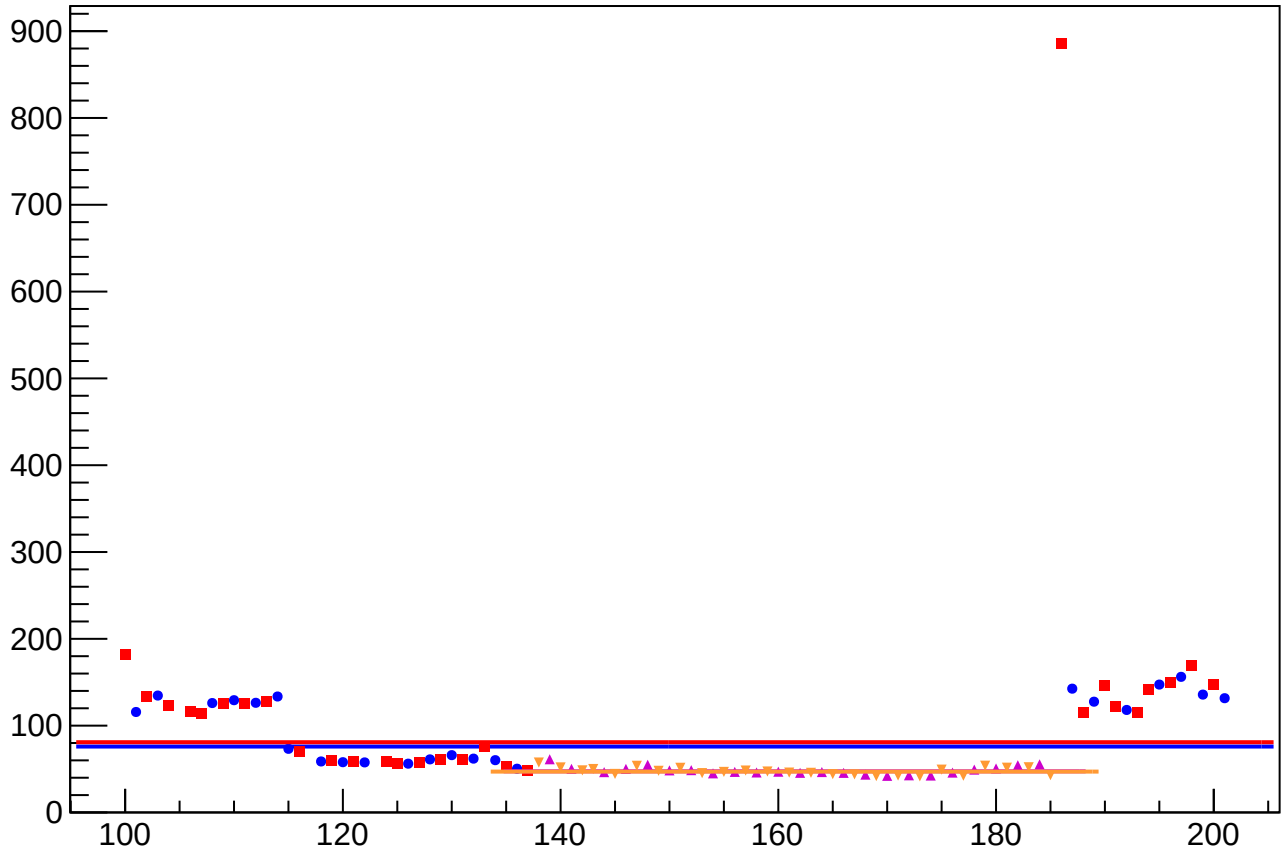
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 40.061+/-16.959 χ^2/NDF: 60.1/50

In: 44.219+/-10.087 χ^2/NDF:45.3/45

Out: 13.434+/-9.845 χ^2/NDF:77.5/52

All: 28.452+/-7.046 χ^2/NDF: 127.6/98



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: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

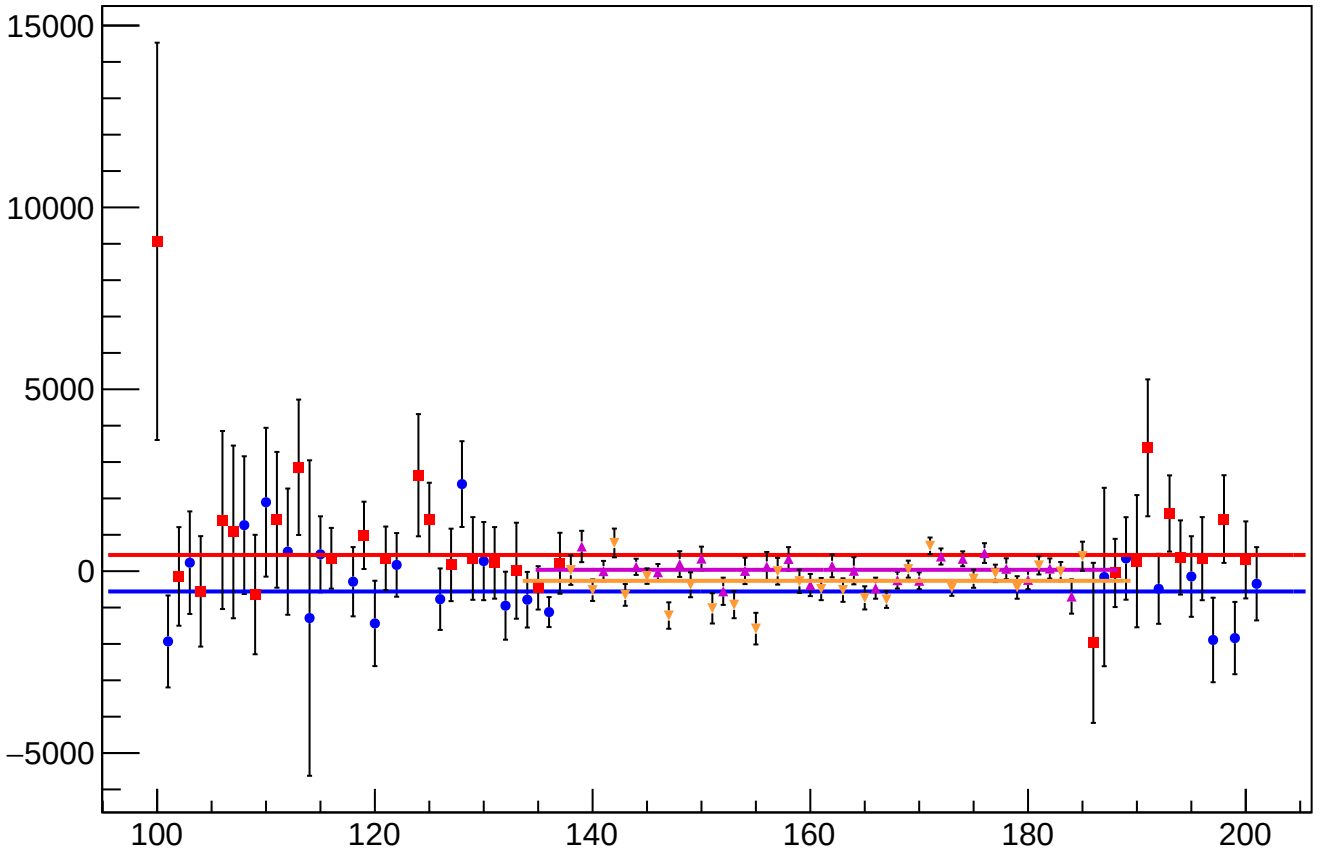
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 78.363+/-0.012 χ^2/NDF: 8492968.1/50

In: 52.558+/-0.007 χ^2/NDF:6402493.1/45

Out: 52.628+/-0.007 χ^2/NDF:8231168.6/52

All: 52.594+/-0.005 χ^2/NDF: 14633710.4/98



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: 445.540+/-216.449 χ^2/NDF: 17.2/27

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

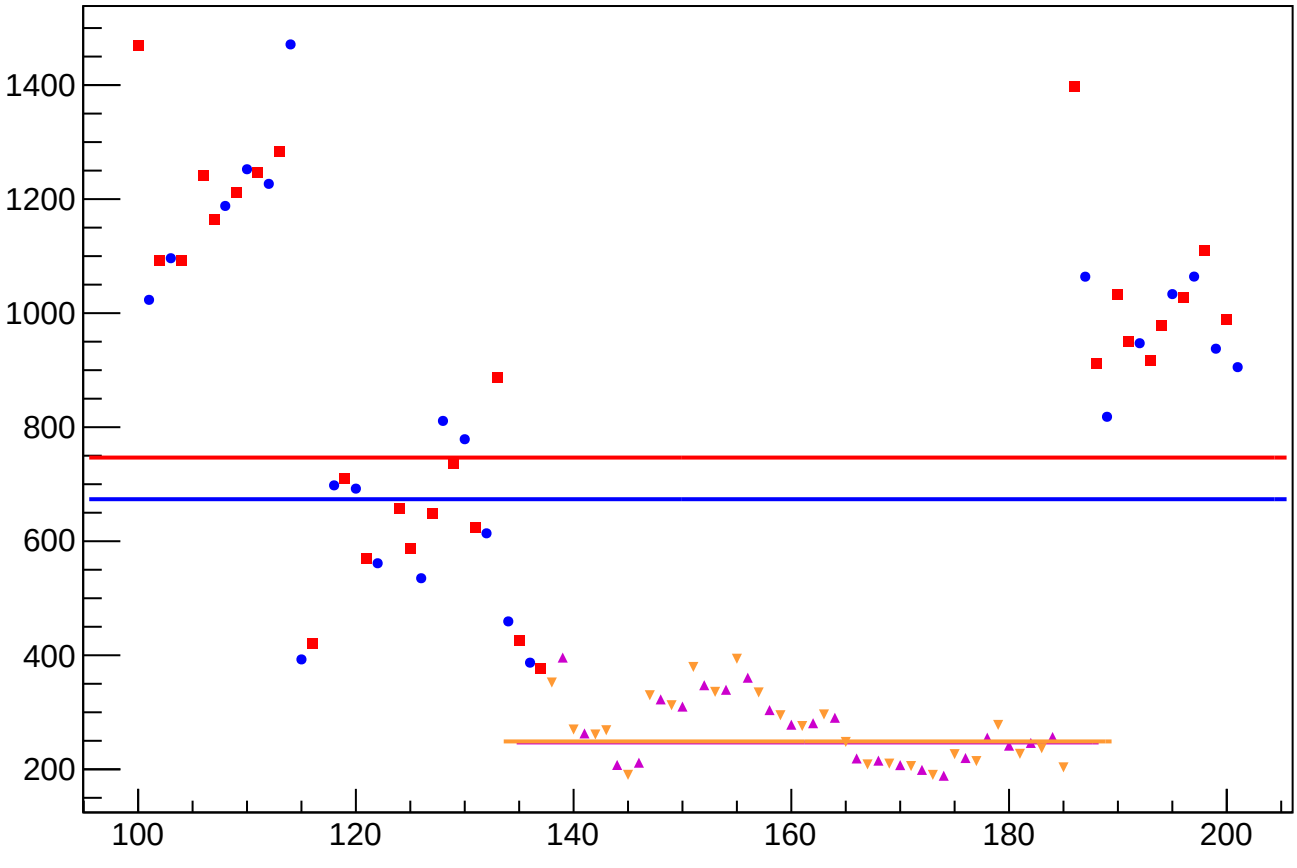
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -79.090+/-149.513 χ^2/NDF: 47.9/50

In: -7.523+/-56.877 χ^2/NDF:53.8/45

Out: -217.985+/-56.052 χ^2/NDF:97.1/52

All: -114.293+/-39.923 χ^2/NDF: 157.8/98



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: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

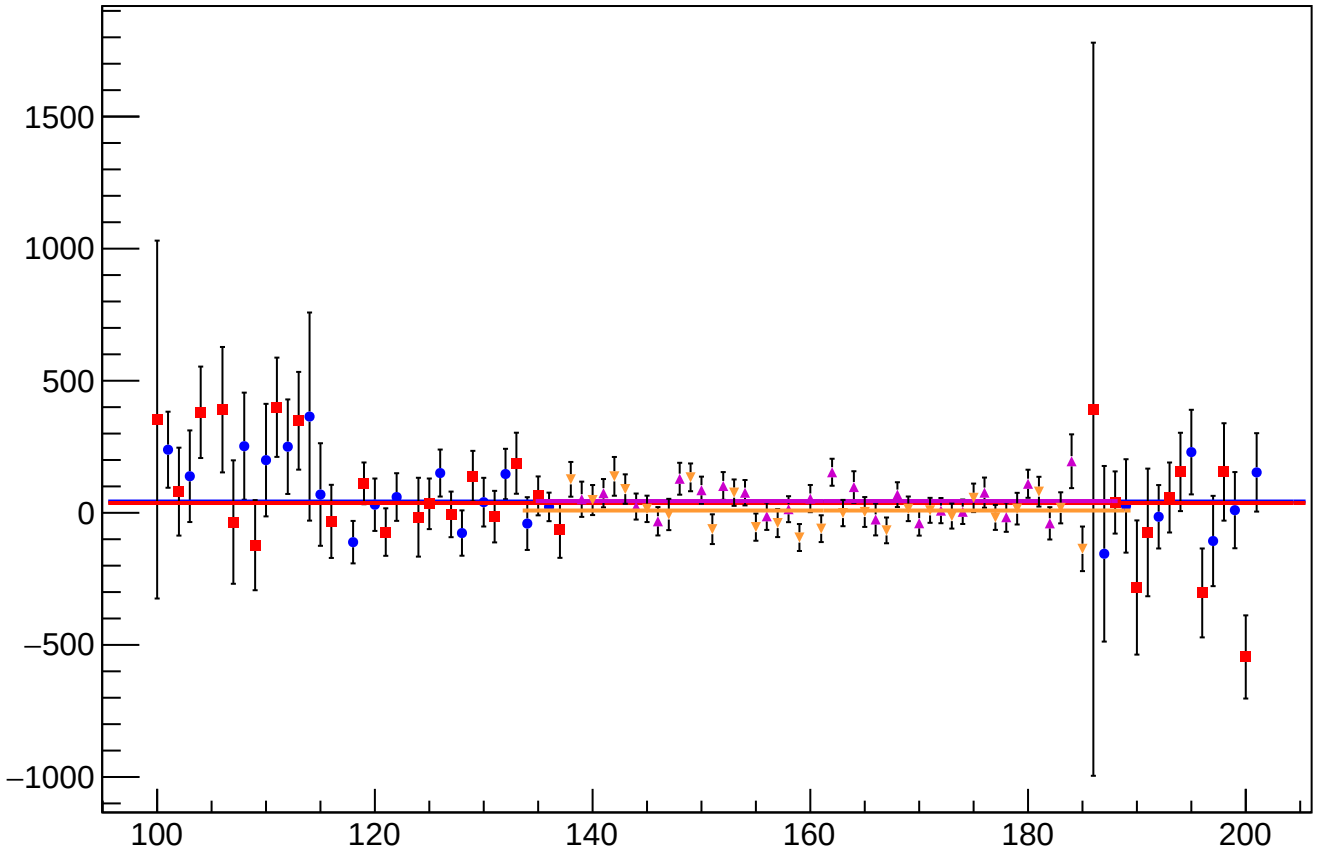
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 708.548+/-0.106 χ^2/NDF: 6612944.0/50

In: 279.388+/-0.040 χ^2/NDF:12604935.6/45

Out: 282.276+/-0.040 χ^2/NDF:14776865.2/52

All: 280.853+/-0.028 χ^2/NDF: 27384416.1/98



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: 37.215+/-24.287 χ^2/NDF: 41.8/27

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

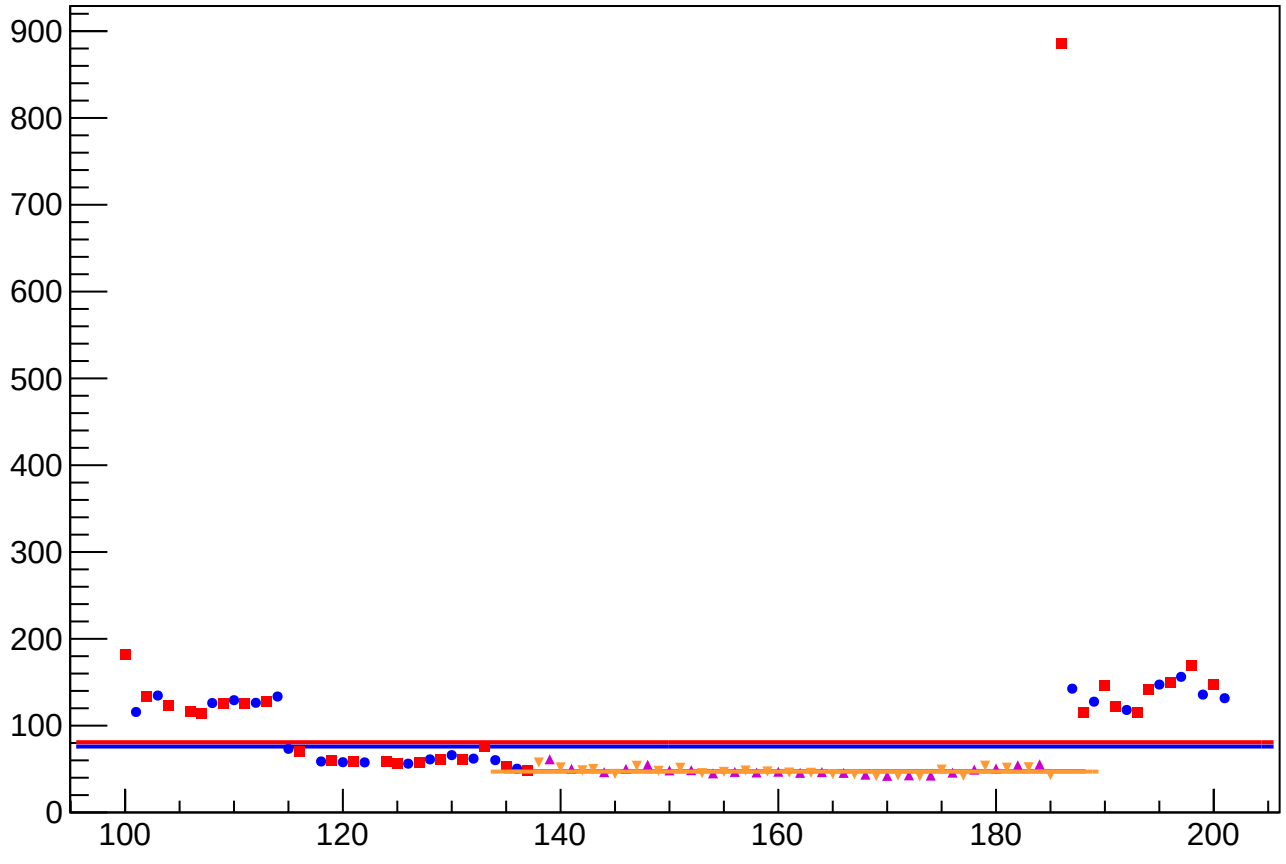
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 40.061+/-16.959 χ^2/NDF: 60.1/50

In: 44.219+/-10.087 χ^2/NDF:45.3/45

Out: 13.434+/-9.845 χ^2/NDF:77.5/52

All: 28.452+/-7.046 χ^2/NDF: 127.6/98



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: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

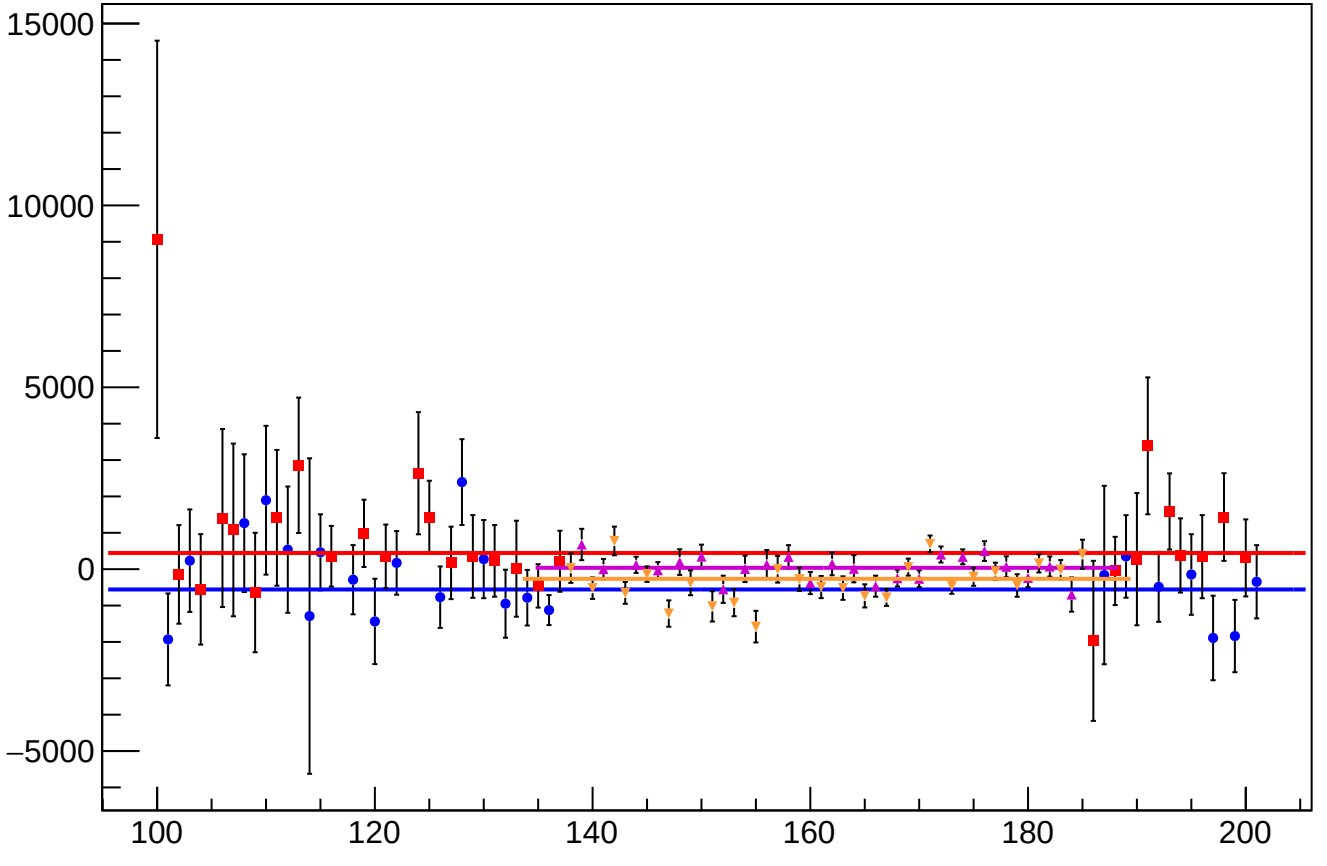
Right: 78.363+/-0.012 χ^2/NDF: 8492968.1/50

In: 52.558+/-0.007 χ^2/NDF:6402493.1/45

Out: 52.628+/-0.007 χ^2/NDF:8231168.6/52

All: 52.594+/-0.005 χ^2/NDF: 14633710.4/98

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 445.540+/-216.449 χ^2/NDF: 17.2/27

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

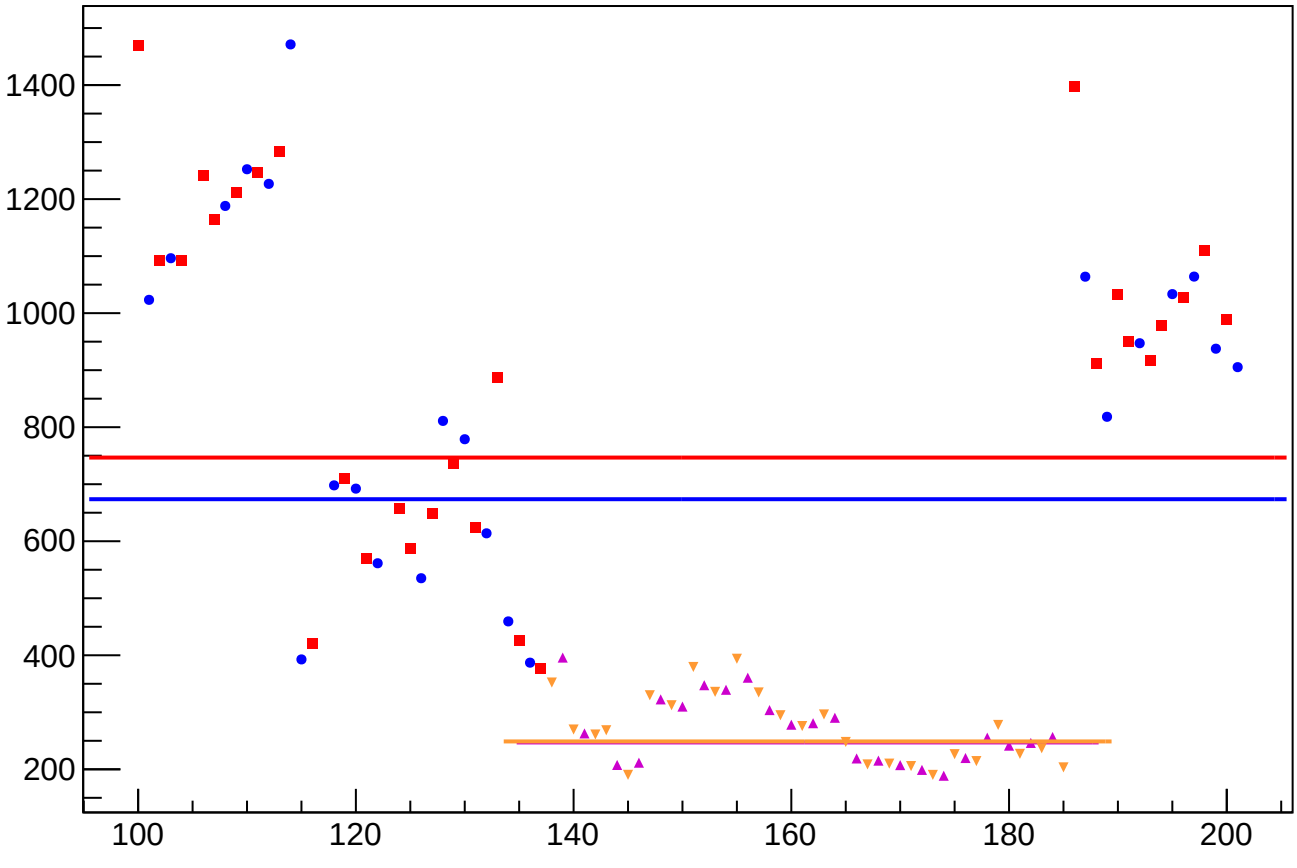
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -79.090+/-149.513 χ^2/NDF: 47.9/50

In: -7.523+/-56.877 χ^2/NDF:53.8/45

Out: -217.985+/-56.052 χ^2/NDF:97.1/52

All: -114.293+/-39.923 χ^2/NDF: 157.8/98



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: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

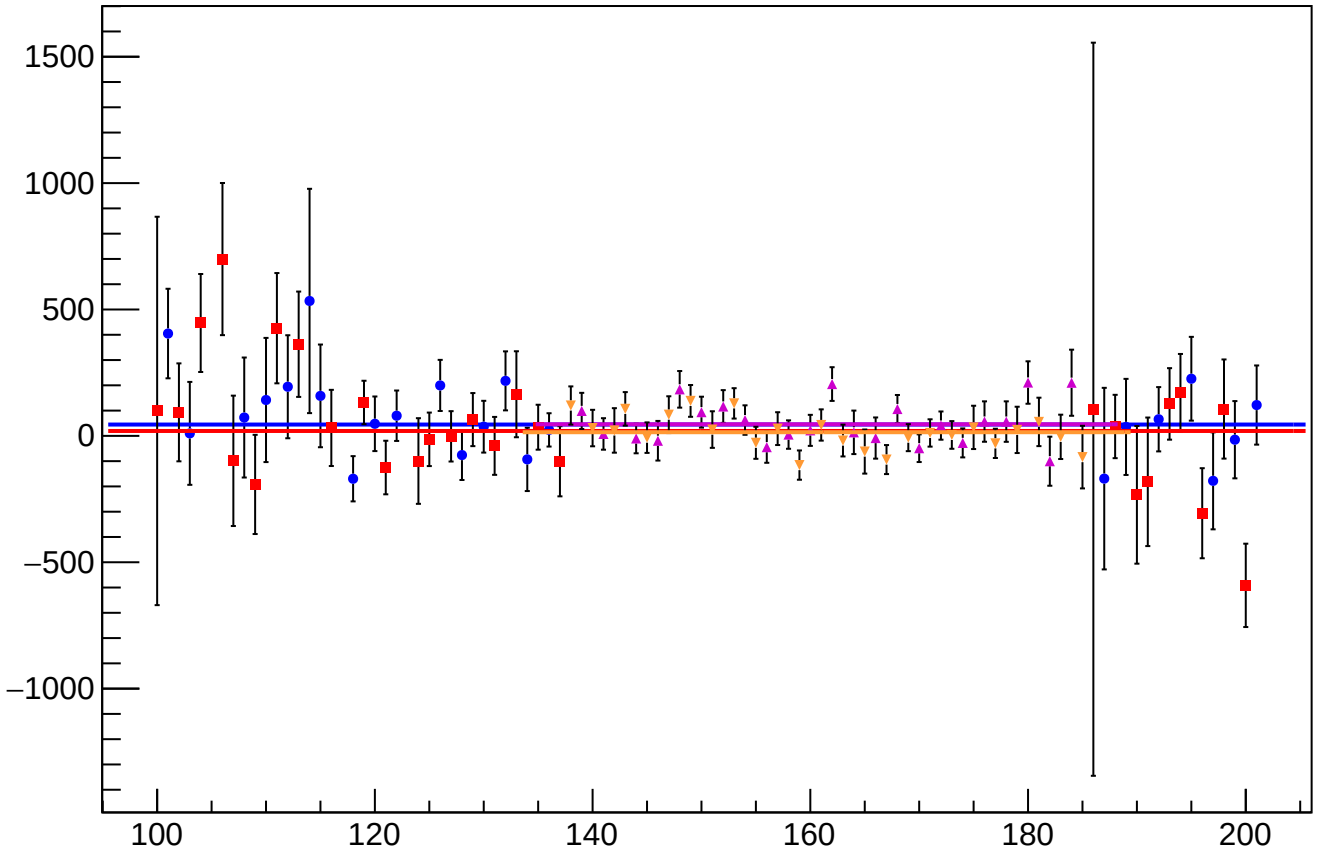
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 708.548+/-0.106 χ^2/NDF: 6612944.0/50

In: 279.388+/-0.040 χ^2/NDF:12604935.6/45

Out: 282.276+/-0.040 χ^2/NDF:14776865.2/52

All: 280.853+/-0.028 χ^2/NDF: 27384416.1/98



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: 19.413+/-27.694 χ^2/NDF: 44.2/27

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

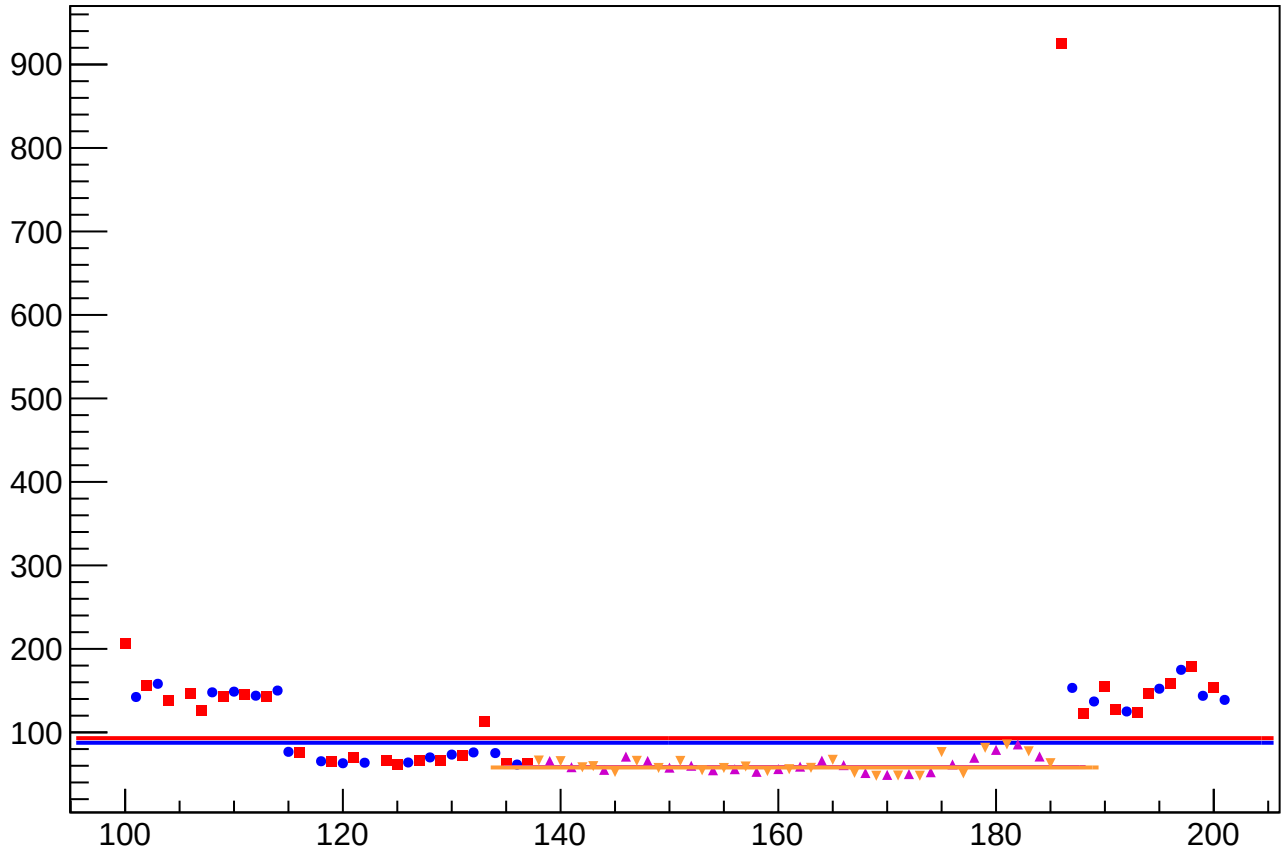
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 32.400+/-19.367 χ^2/NDF: 67.5/50

In: 45.602+/-12.389 χ^2/NDF:53.7/45

Out: 15.437+/-12.102 χ^2/NDF:68.7/52

All: 30.165+/-8.657 χ^2/NDF: 125.4/98



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: 93.074+/-0.020 χ^2/NDF: 4231418.9/27

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

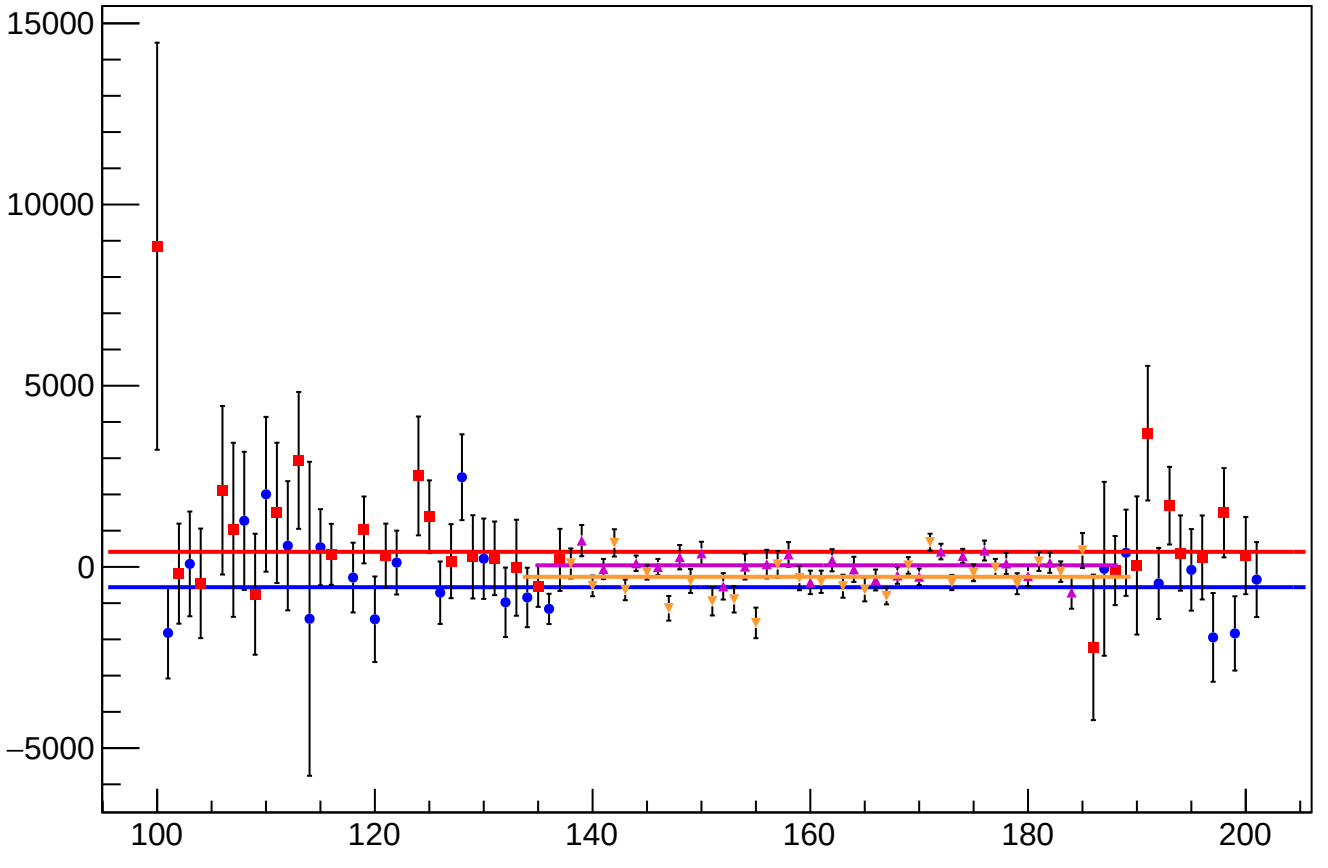
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 90.254+/-0.014 χ^2/NDF: 7641660.5/50

In: 64.559+/-0.009 χ^2/NDF:5841252.1/45

Out: 64.670+/-0.009 χ^2/NDF:7729007.1/52

All: 64.616+/-0.006 χ^2/NDF: 13570340.8/98



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: 416.307+/-217.290 χ^2/NDF: 19.4/27

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

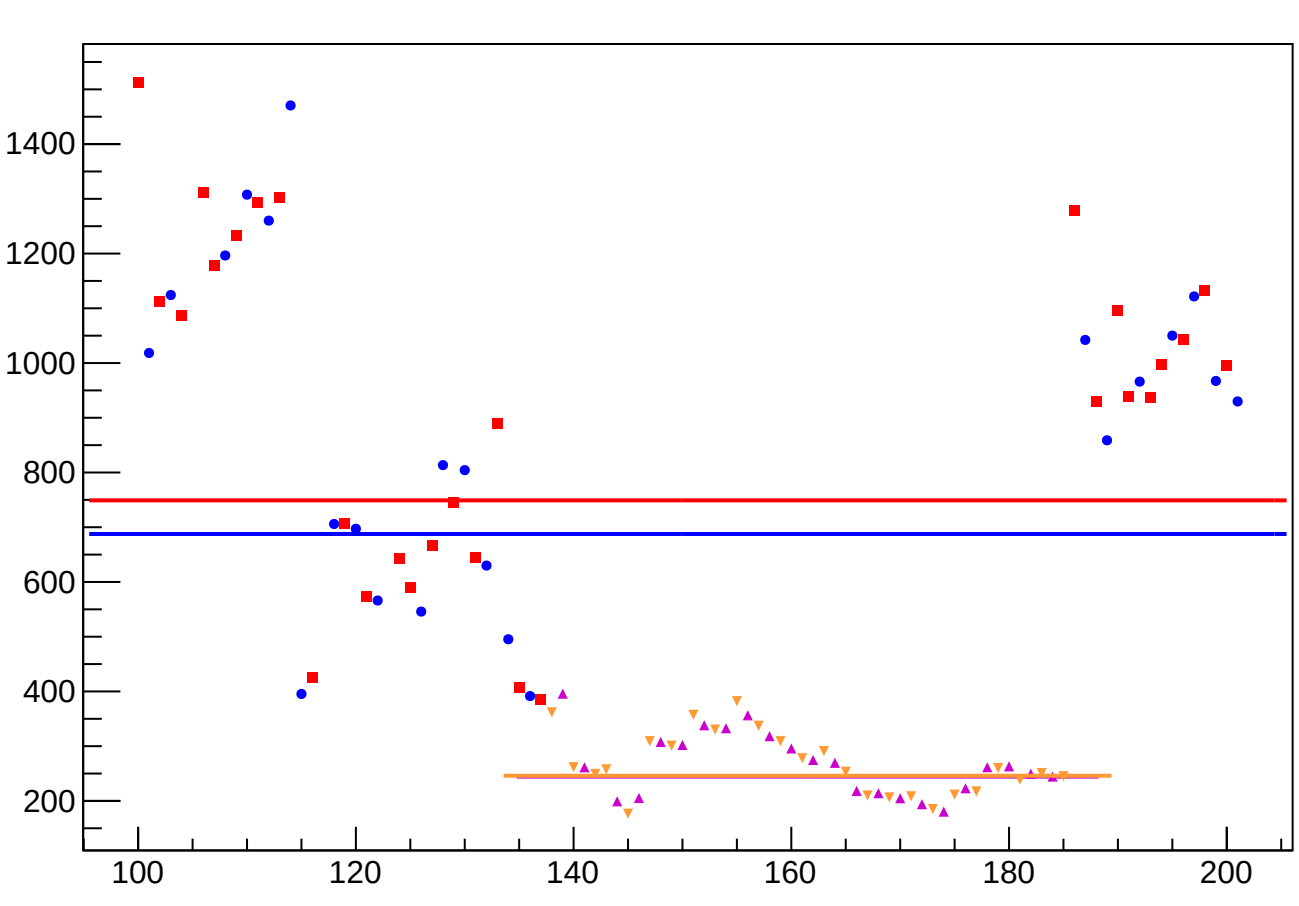
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -85.758+/-151.423 χ^2/NDF: 49.3/50

In: 1.309+/-56.478 χ^2/NDF:53.7/45

Out: -227.766+/-55.382 χ^2/NDF:94.5/52

All: -115.472+/-39.543 χ^2/NDF: 156.6/98



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: 749.082+/-0.154 χ^2/NDF: 3429639.1/27

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

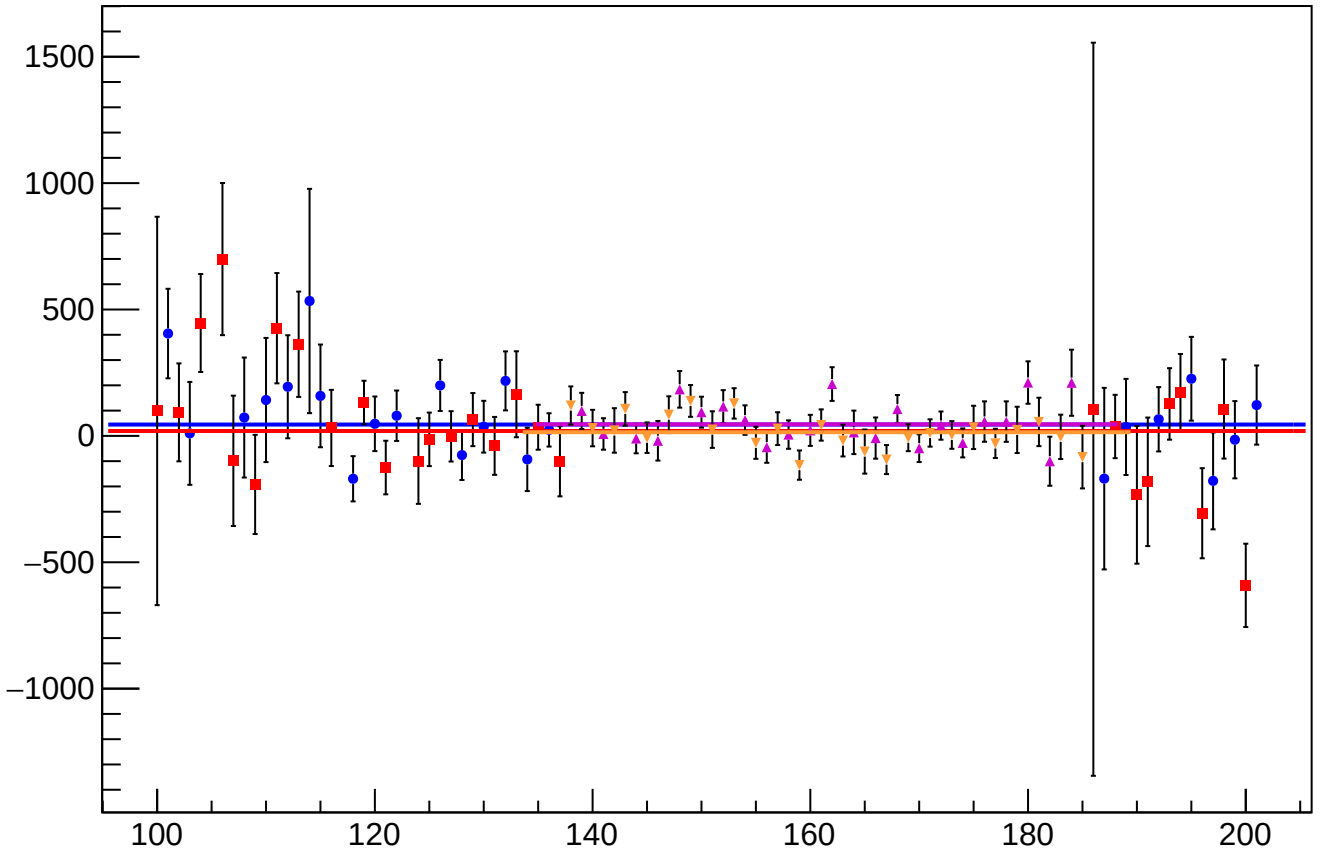
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 717.500+/-0.107 χ^2/NDF: 6798345.0/50

In: 276.166+/-0.040 χ^2/NDF:13067004.1/45

Out: 278.697+/-0.039 χ^2/NDF:15133905.1/52

All: 277.456+/-0.028 χ^2/NDF: 28202956.7/98



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: 19.413+/-27.693 χ^2/NDF: 44.2/27

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

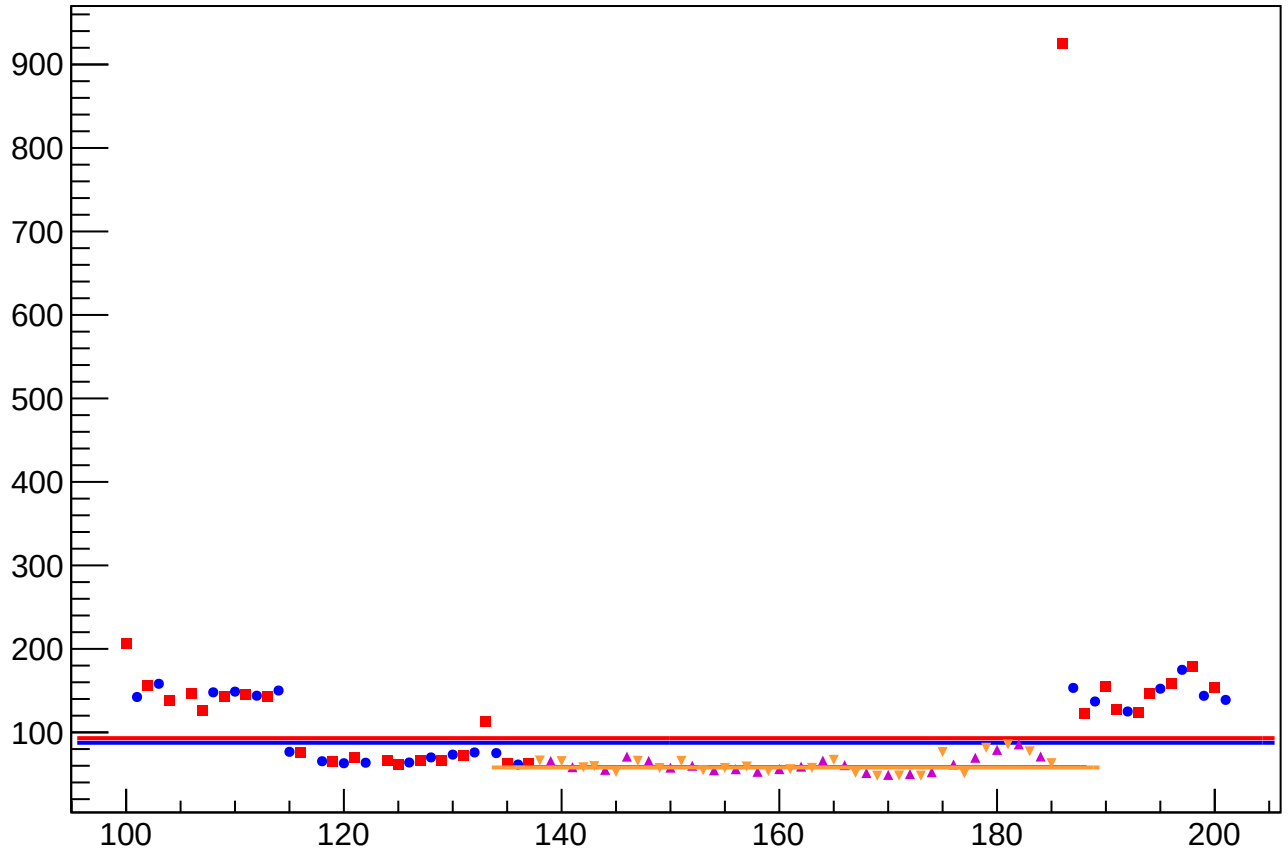
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 32.400+/-19.366 χ^2/NDF: 67.5/50

In: 45.602+/-12.389 χ^2/NDF:53.7/45

Out: 15.436+/-12.102 χ^2/NDF:68.7/52

All: 30.165+/-8.657 χ^2/NDF: 125.4/98



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: 93.074+/-0.020 χ^2/NDF: 4231427.6/27

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

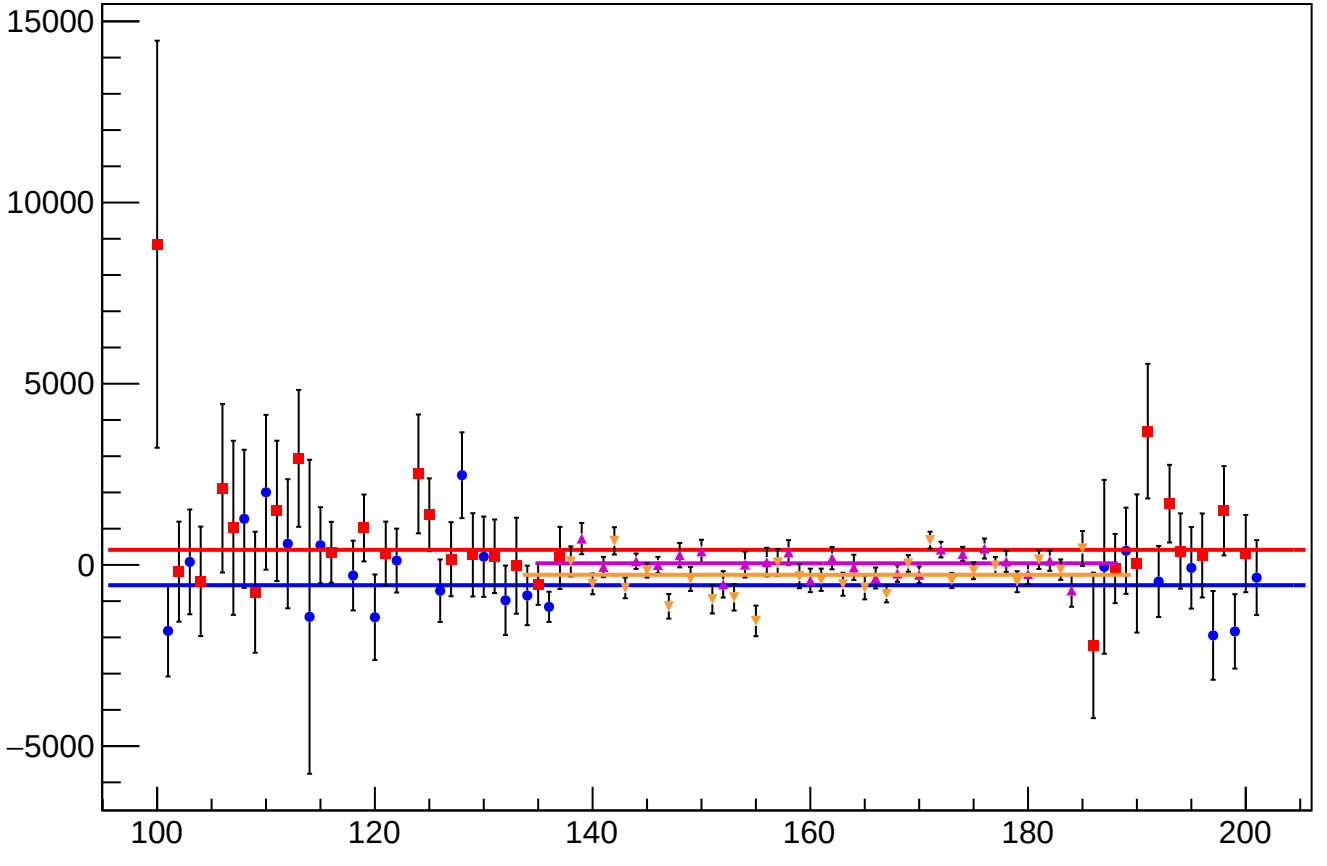
Right: 90.254+/-0.014 χ^2/NDF: 7641671.2/50

In: 64.559+/-0.009 χ^2/NDF:5841189.7/45

Out: 64.670+/-0.009 χ^2/NDF:7728972.4/52

All: 64.616+/-0.006 χ^2/NDF: 13570243.6/98

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: 416.307+/-217.290 χ^2/NDF: 19.4/27

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

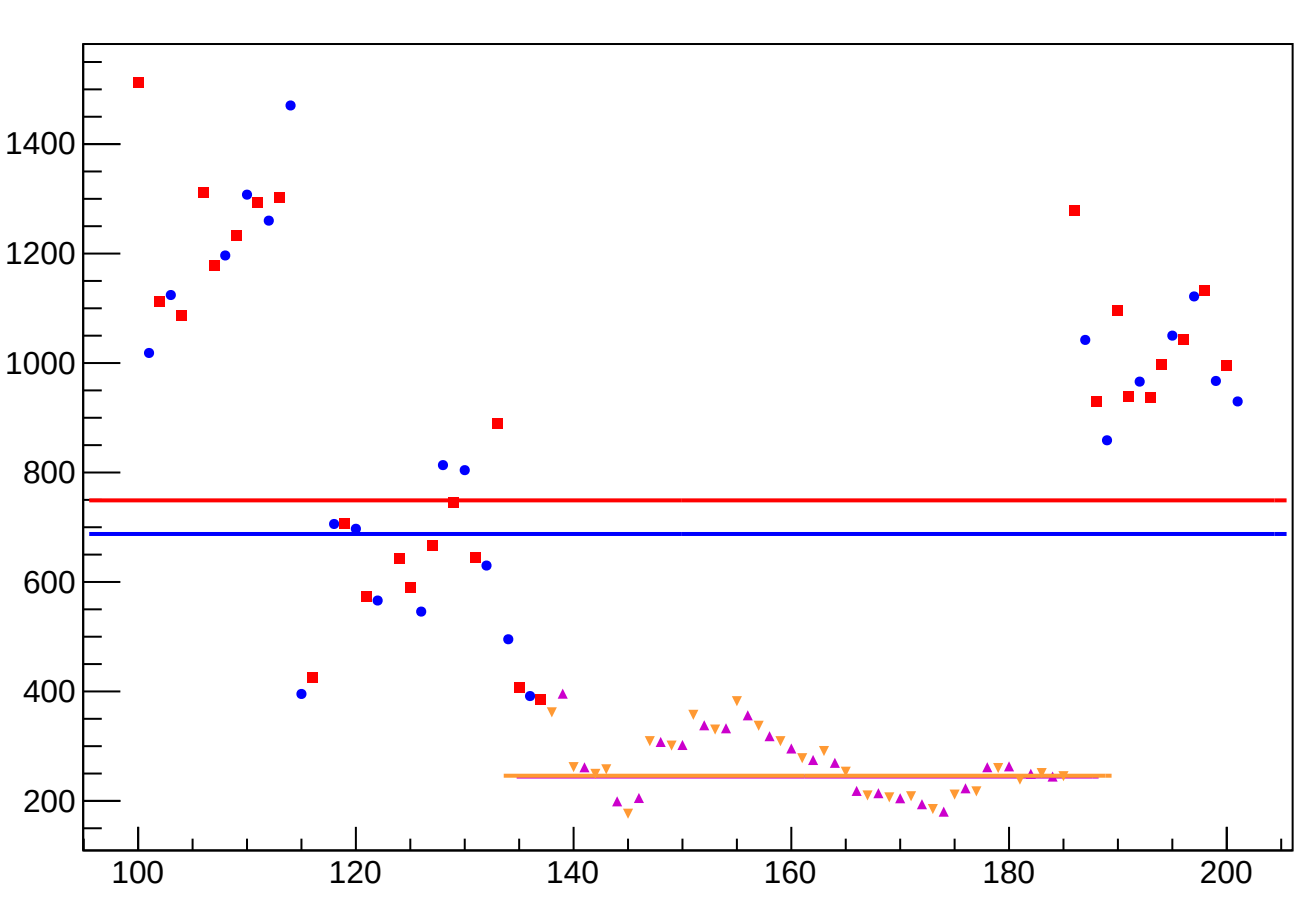
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -85.757+/-151.423 χ^2/NDF: 49.3/50

In: 1.309+/-56.478 χ^2/NDF:53.7/45

Out: -227.765+/-55.382 χ^2/NDF:94.5/52

All: -115.472+/-39.543 χ^2/NDF: 156.6/98



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: 749.081+/-0.154 χ^2/NDF: 3429622.7/27

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

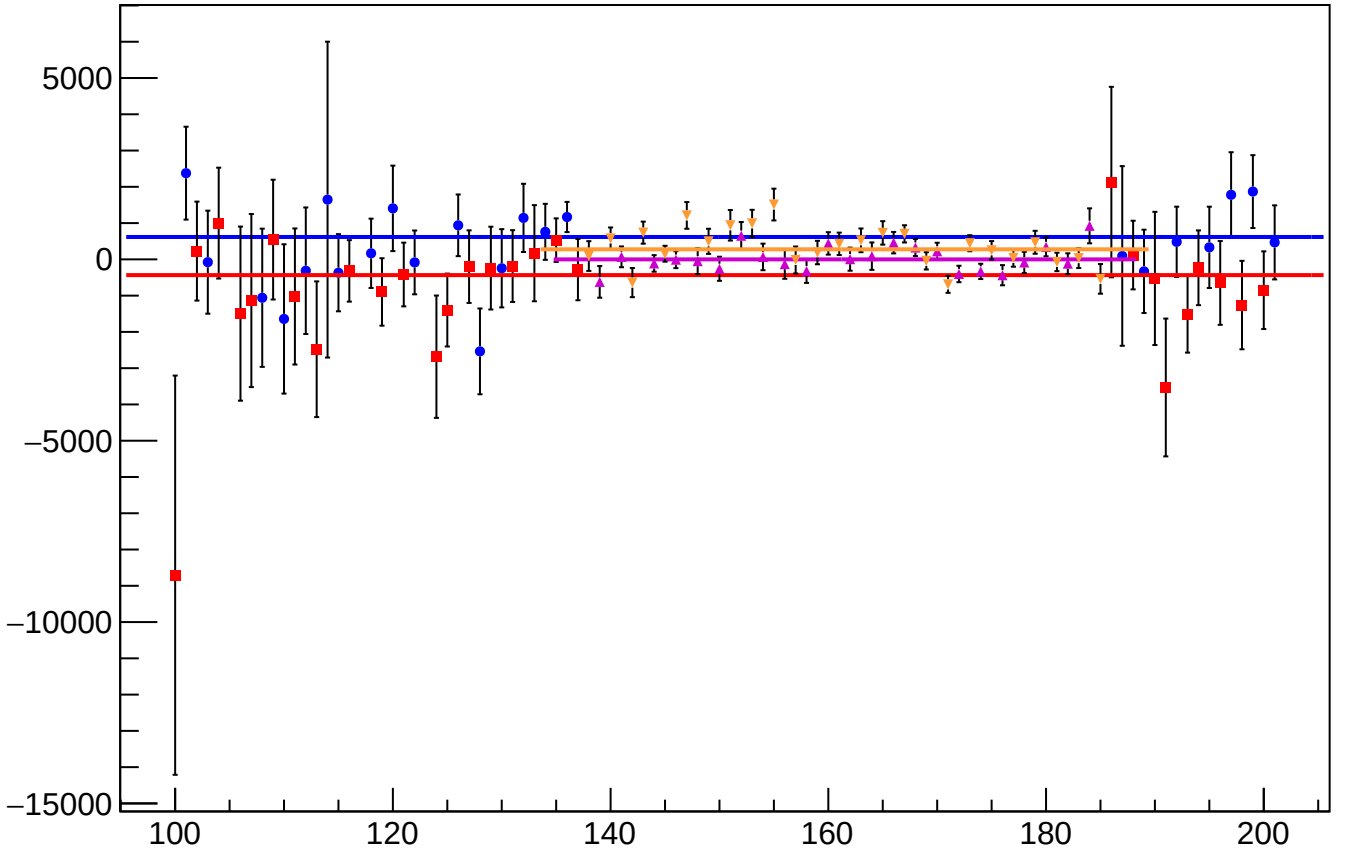
Right: 717.499+/-0.107 χ^2/NDF: 6798312.9/50

In: 276.166+/-0.040 χ^2/NDF:13066984.9/45

Out: 278.697+/-0.039 χ^2/NDF:15133906.5/52

All: 277.456+/-0.028 χ^2/NDF: 28202938.7/98

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: -433.947+/-218.409 χ^2/NDF: 16.9/27

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

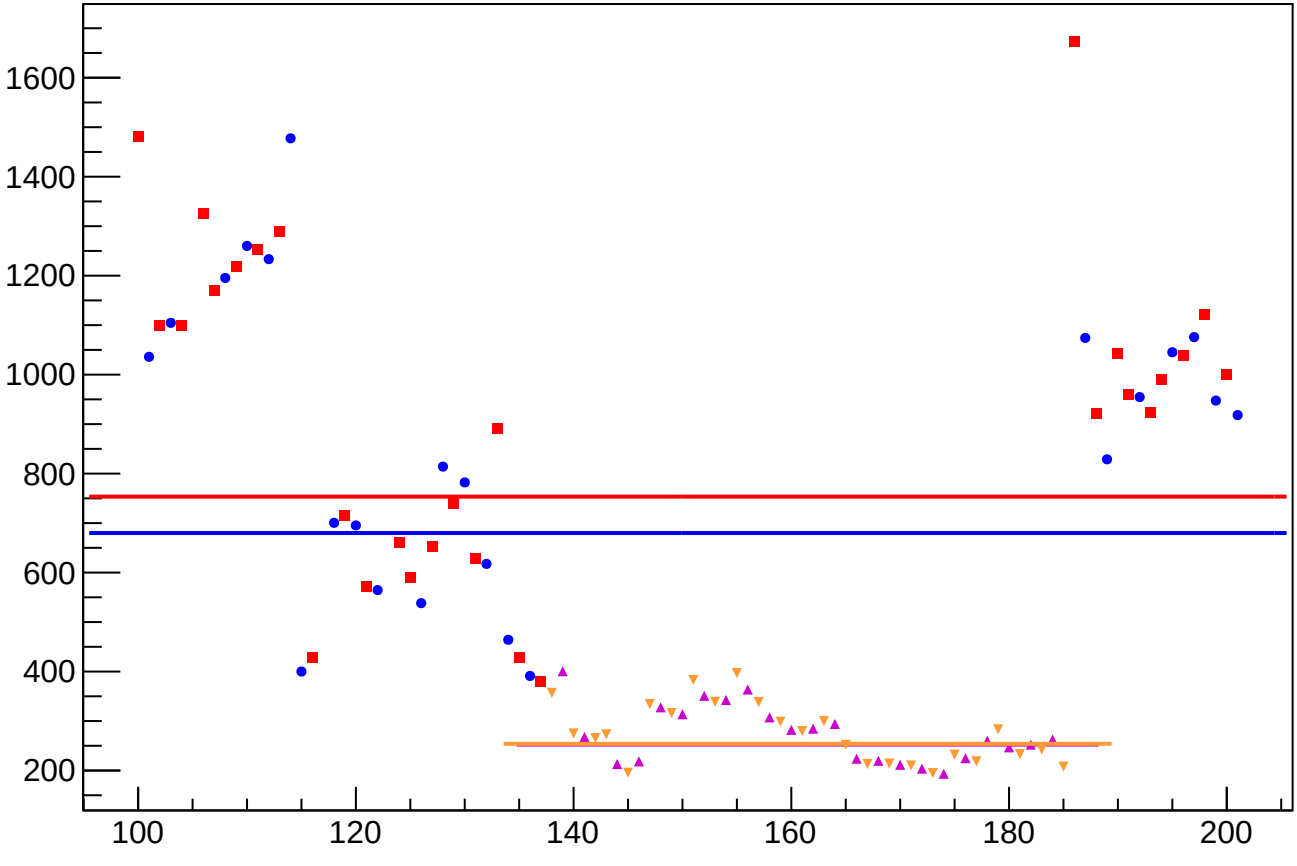
Right: 115.623+/-150.864 χ^2/NDF: 49.0/50

In: 47.144+/-57.979 χ^2/NDF:56.2/45

Out: 228.493+/-57.092 χ^2/NDF:90.9/52

All: 139.216+/-40.680 χ^2/NDF: 152.0/98

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: 753.515+/-0.154 χ^2/NDF: 3345375.1/27

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

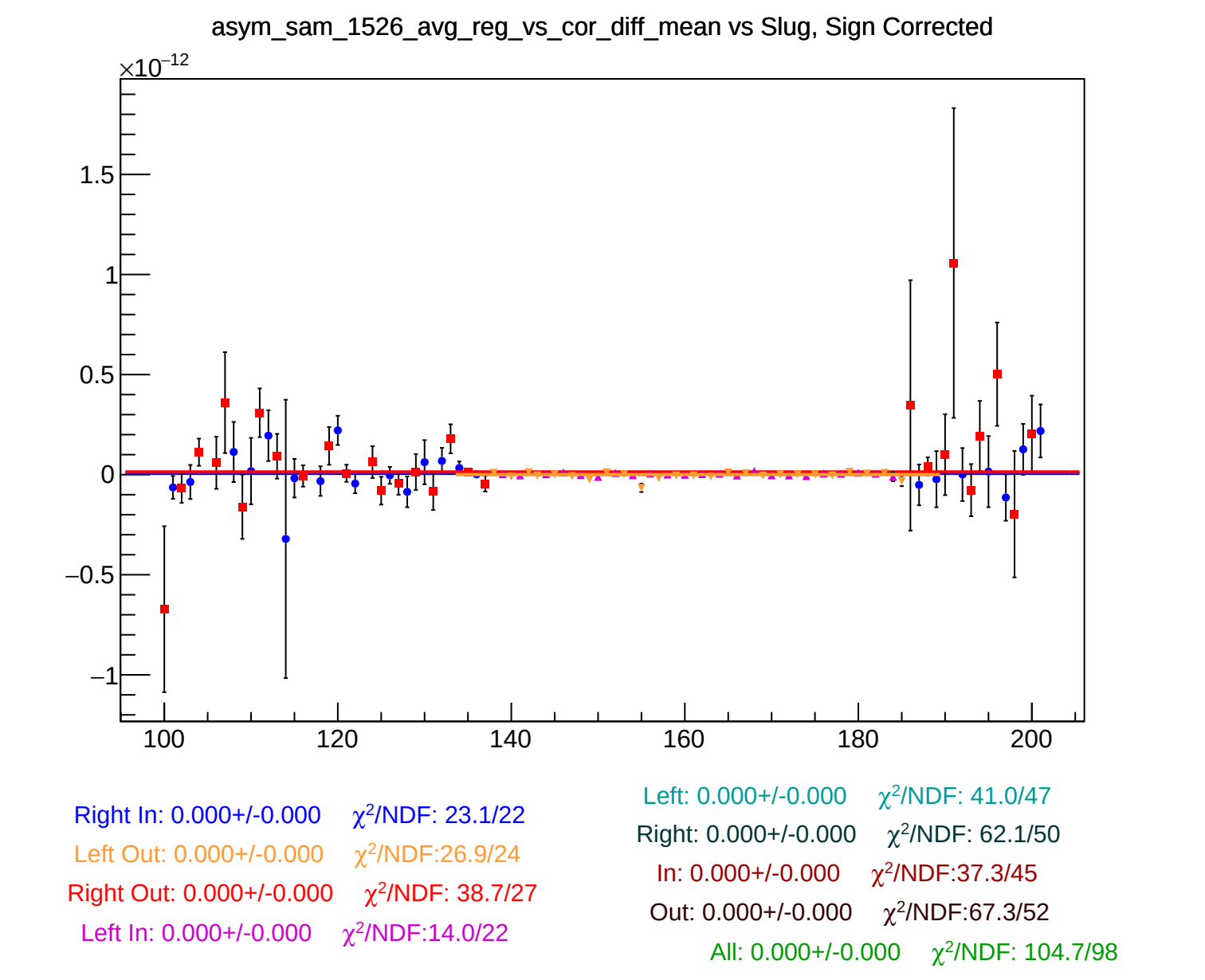
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

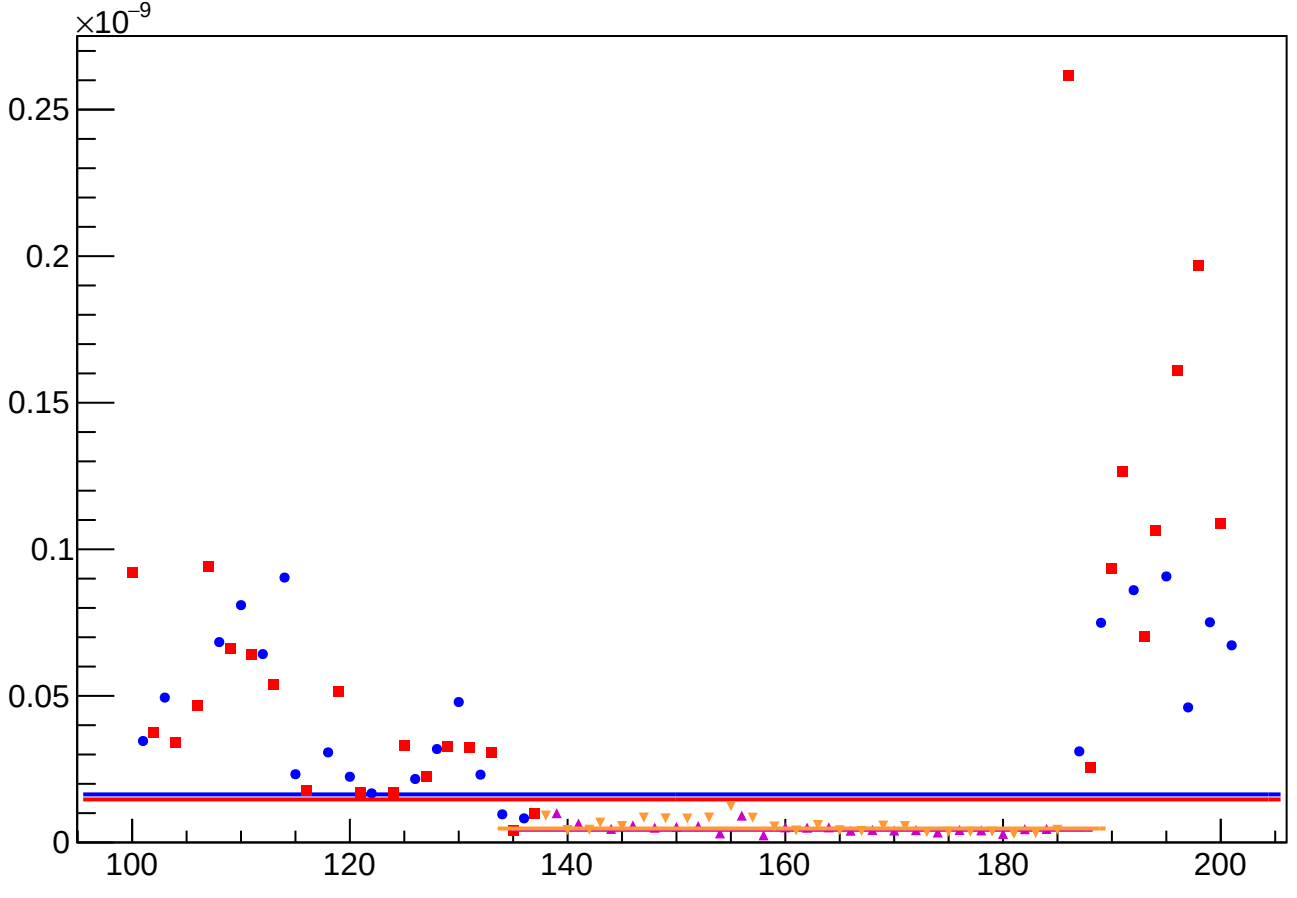
Right: 715.042+/-0.107 χ^2/NDF: 6706285.9/50

In: 285.408+/-0.041 χ^2/NDF:12404668.1/45

Out: 288.088+/-0.040 χ^2/NDF:14684449.4/52

All: 286.769+/-0.029 χ^2/NDF: 27091287.6/98


asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.1/22
Left Out: 0.000+/-0.000 χ²/NDF:26.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.7/27
Left In: 0.000+/-0.000 χ²/NDF:14.0/22
Left: 0.000+/-0.000 χ²/NDF: 41.0/47
Right: 0.000+/-0.000 χ²/NDF: 62.1/50
In: 0.000+/-0.000 χ²/NDF:37.3/45
Out: 0.000+/-0.000 χ²/NDF:67.3/52
All: 0.000+/-0.000 χ²/NDF: 104.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 4719889.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7047984.4/27

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

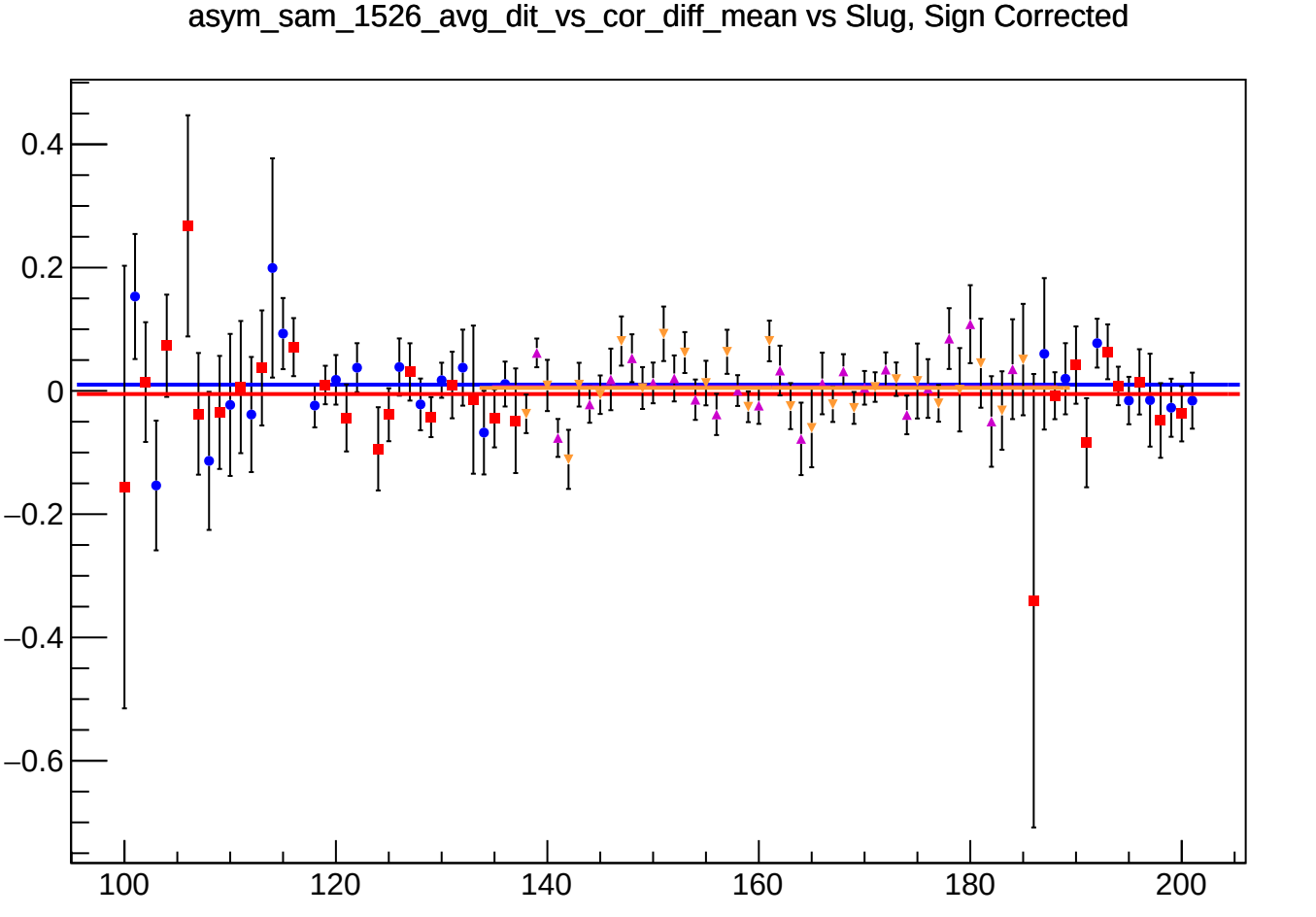
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11796400.1/50

In: 0.000+/-0.000 χ^2/NDF:8373063.9/45

Out: 0.000+/-0.000 χ^2/NDF:10490746.6/52

All: 0.000+/-0.000 χ^2/NDF: 18908973.2/98



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: 18.8/27

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

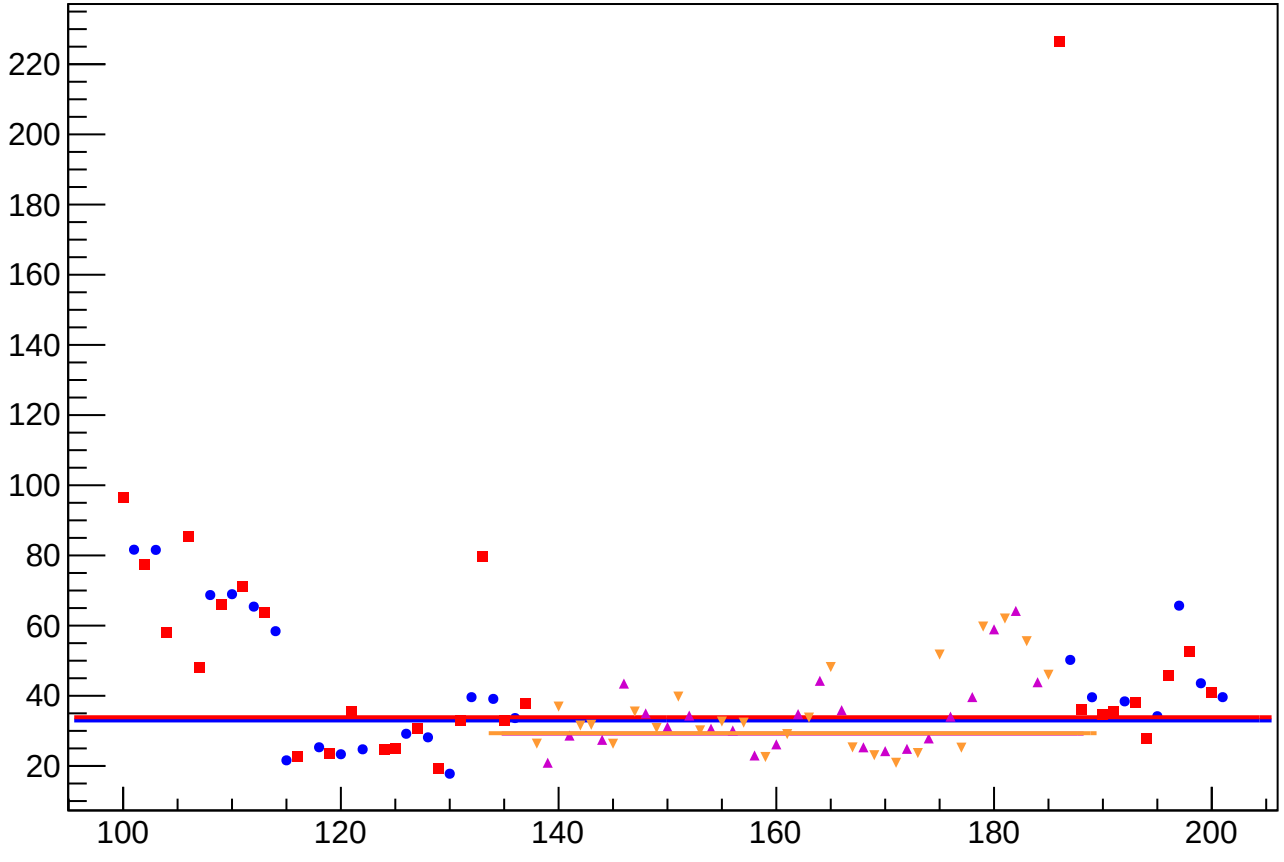
Right: 0.002+/-0.007 χ^2/NDF: 37.6/50

In: 0.008+/-0.006 χ^2/NDF:48.8/45

Out: 0.002+/-0.006 χ^2/NDF:53.4/52

All: 0.005+/-0.004 χ^2/NDF: 102.7/98

asym_sam_1526_avg_dit_vs_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: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

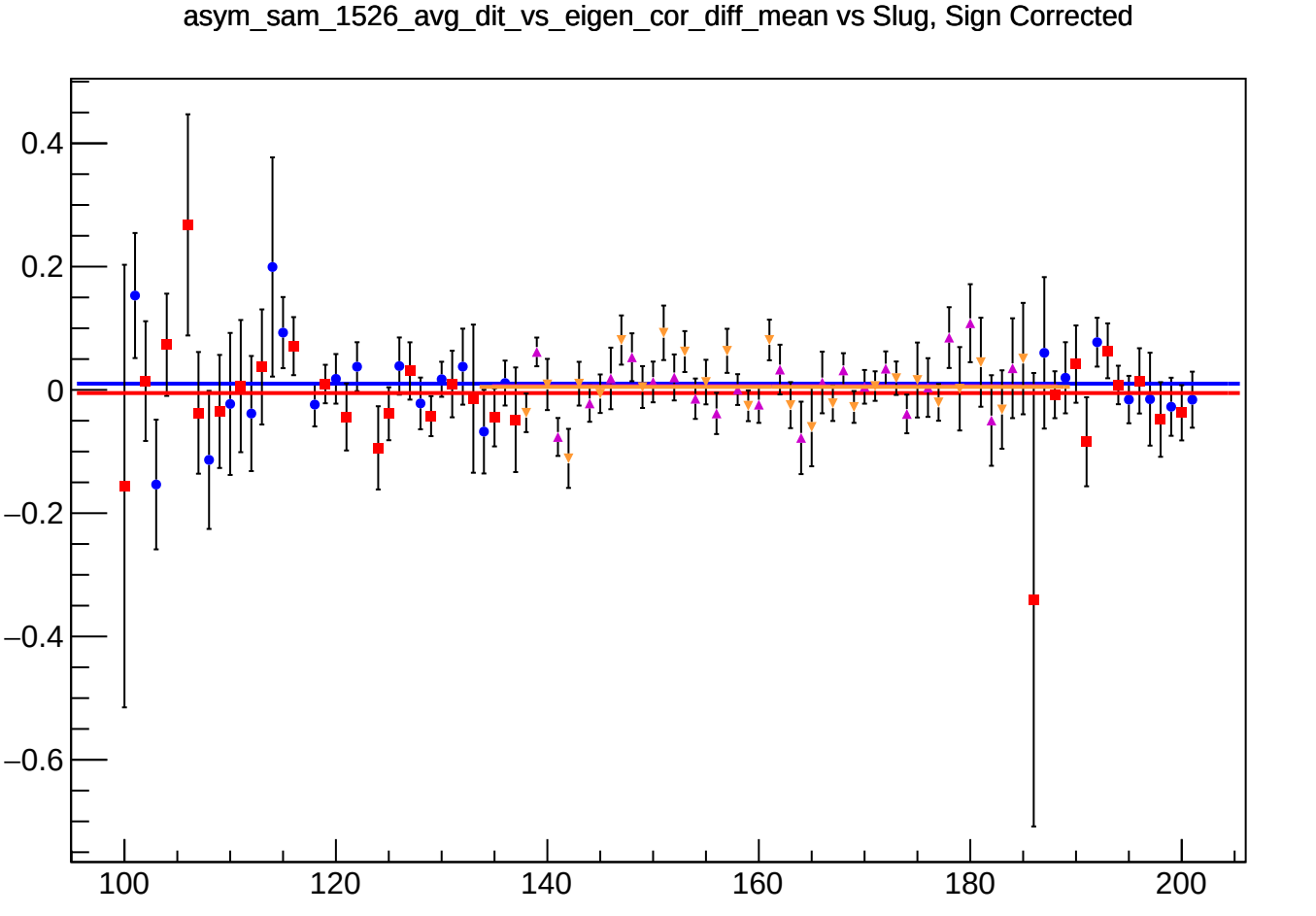
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.436+/-0.005 χ^2/NDF: 6921790.6/50

In: 30.443+/-0.004 χ^2/NDF:5486250.3/45

Out: 30.812+/-0.004 χ^2/NDF:6650781.7/52

All: 30.631+/-0.003 χ^2/NDF: 12140928.2/98



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: 18.8/27

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

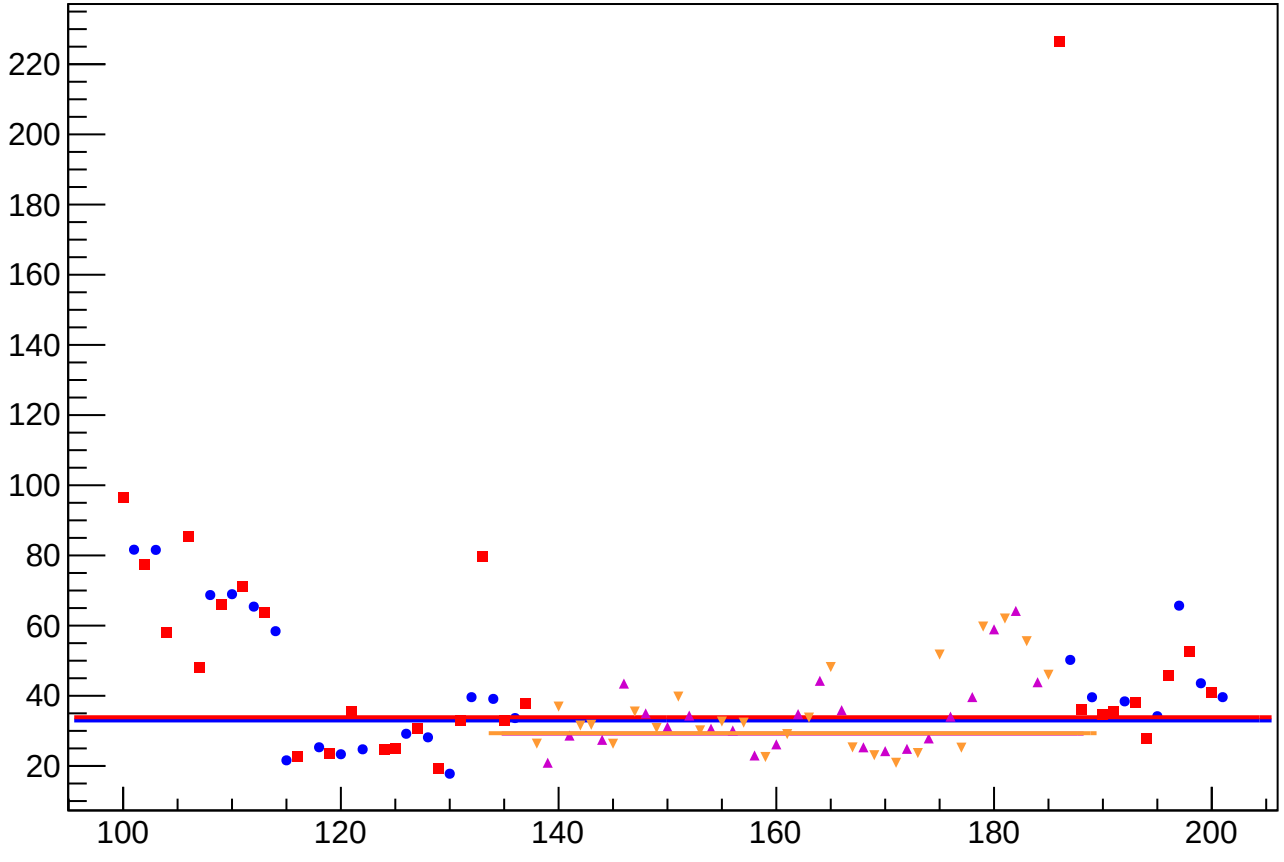
Right: 0.002+/-0.007 χ^2/NDF: 37.6/50

In: 0.008+/-0.006 χ^2/NDF:48.8/45

Out: 0.002+/-0.006 χ^2/NDF:53.4/52

All: 0.005+/-0.004 χ^2/NDF: 102.7/98

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: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

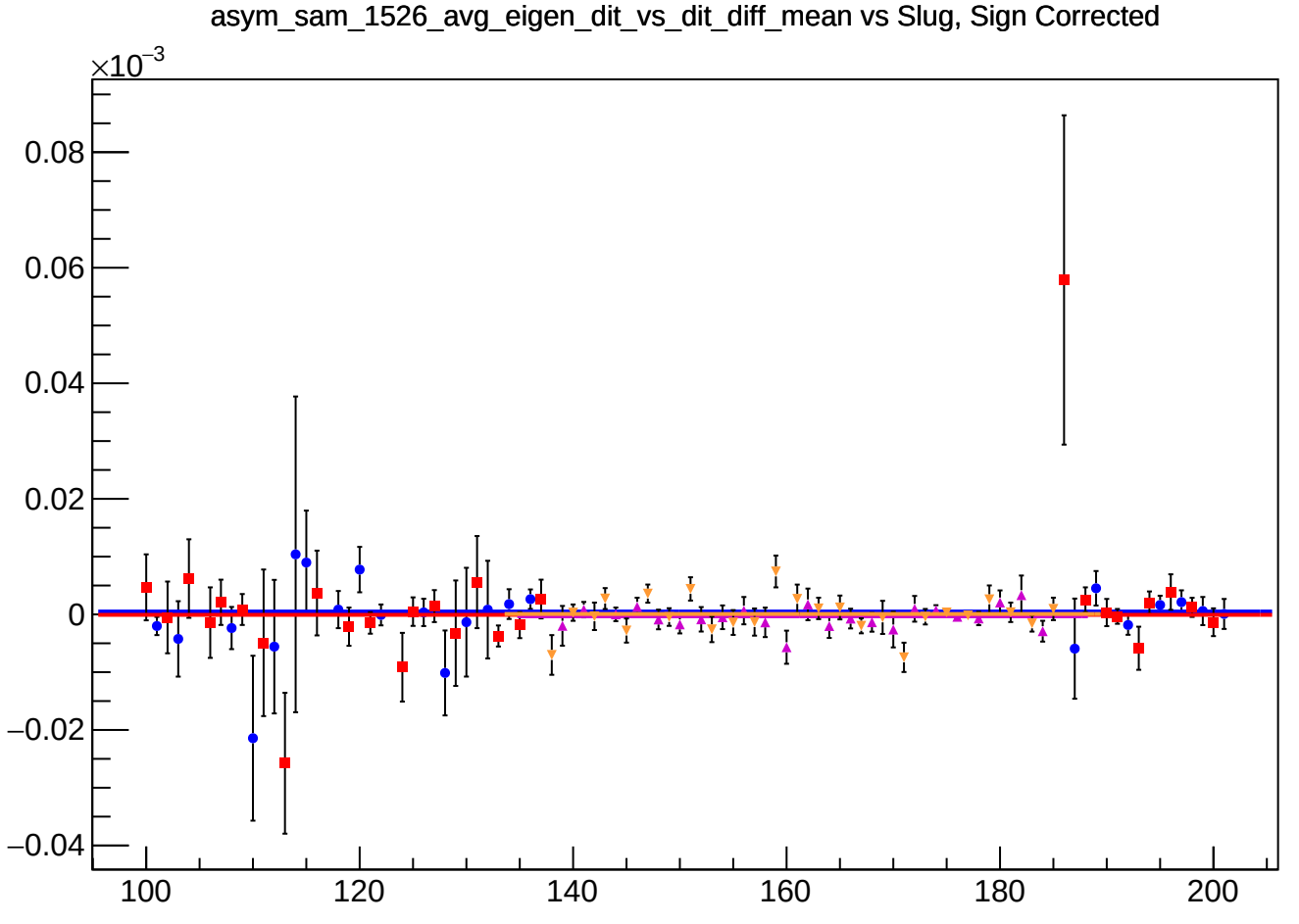
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.436+/-0.005 χ^2/NDF: 6921790.6/50

In: 30.443+/-0.004 χ^2/NDF:5486250.3/45

Out: 30.812+/-0.004 χ^2/NDF:6650781.7/52

All: 30.631+/-0.003 χ^2/NDF: 12140928.2/98



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: 28.3/27

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

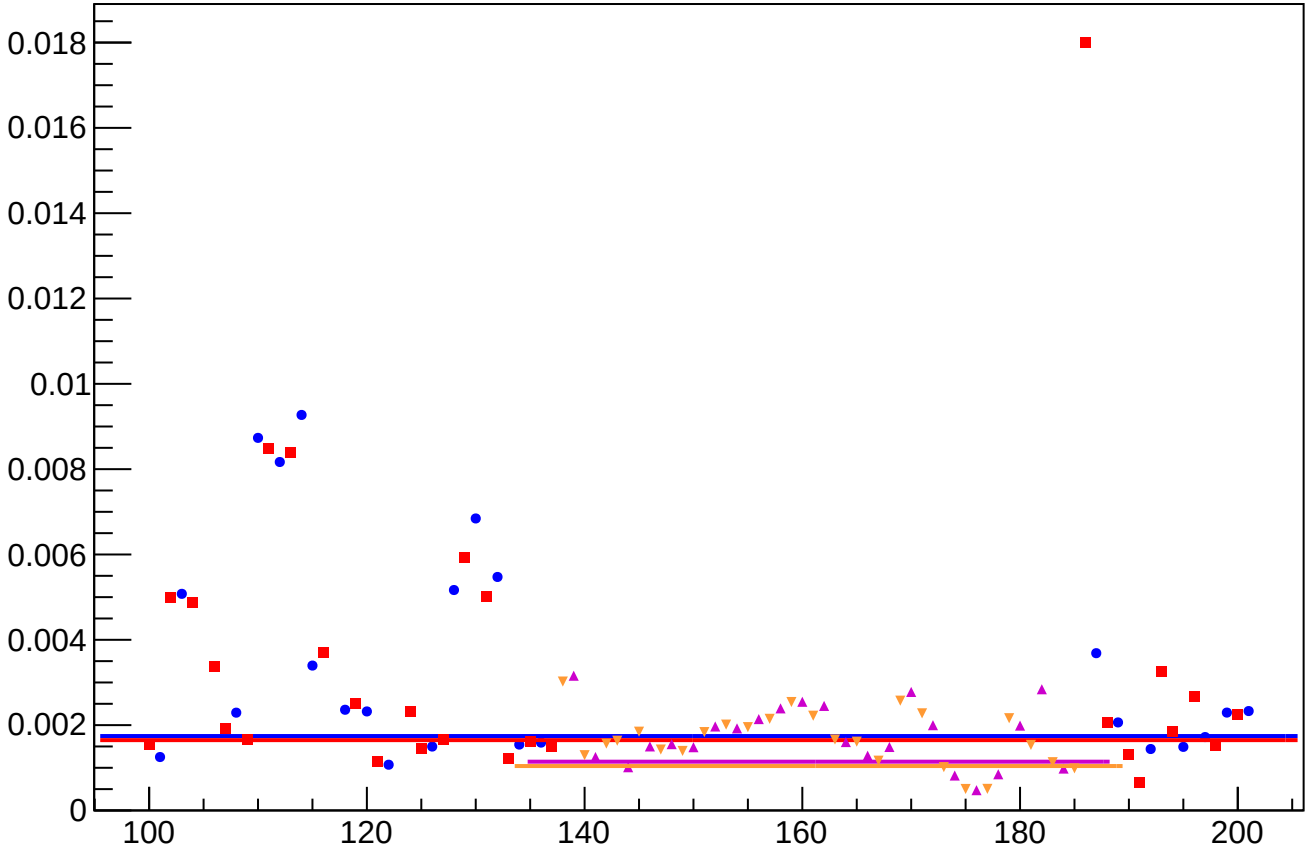
Right: 0.000+/-0.000 χ^2/NDF: 49.1/50

In: -0.000+/-0.000 χ^2/NDF:37.3/45

Out: 0.000+/-0.000 χ^2/NDF:72.0/52

All: -0.000+/-0.000 χ^2/NDF: 109.6/98

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 6541421.0/27

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

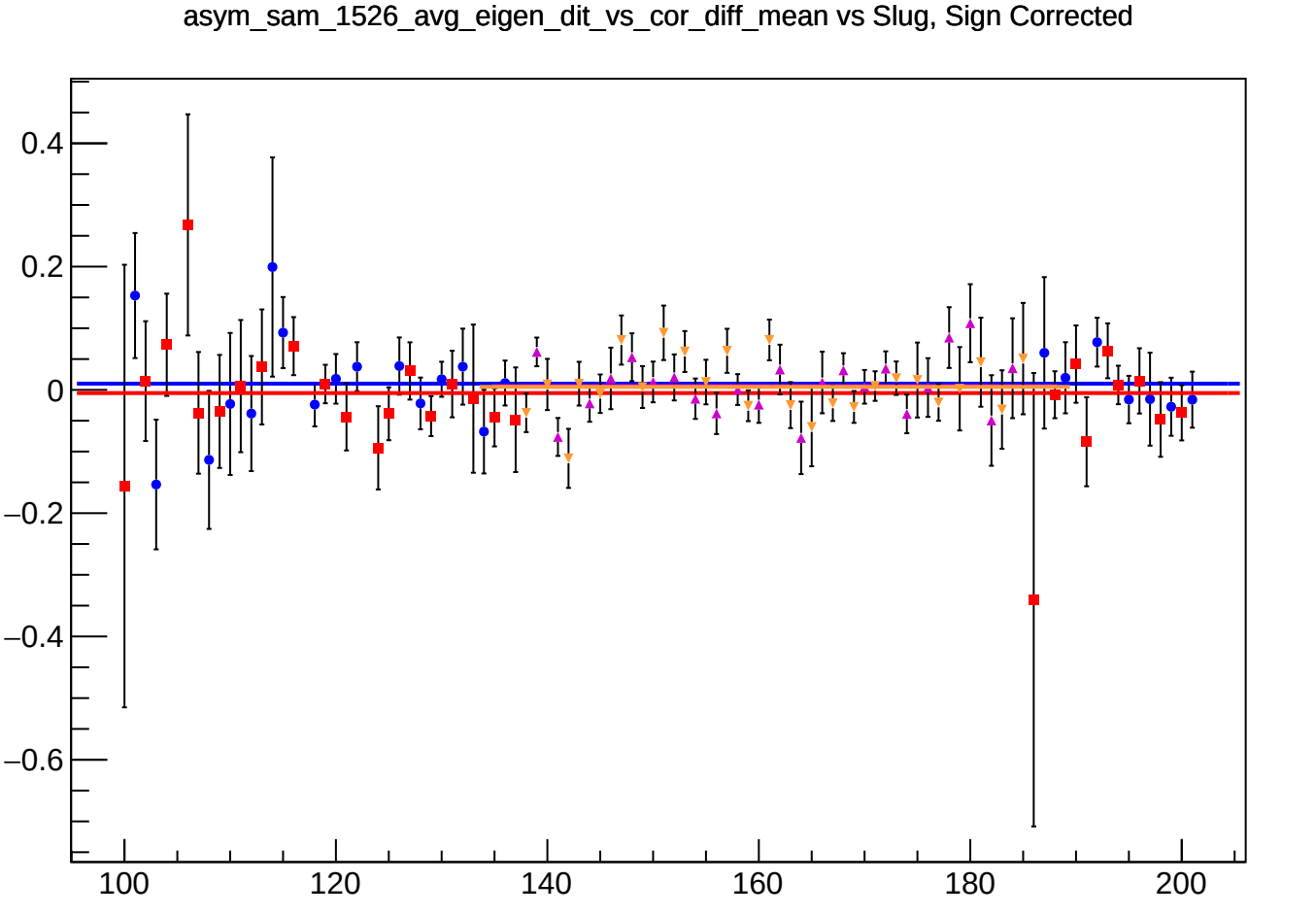
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10948177.7/50

In: 0.001+/-0.000 χ^2/NDF:14409397.5/45

Out: 0.001+/-0.000 χ^2/NDF:18462925.6/52

All: 0.001+/-0.000 χ^2/NDF: 33044787.3/98



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: 18.8/27

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

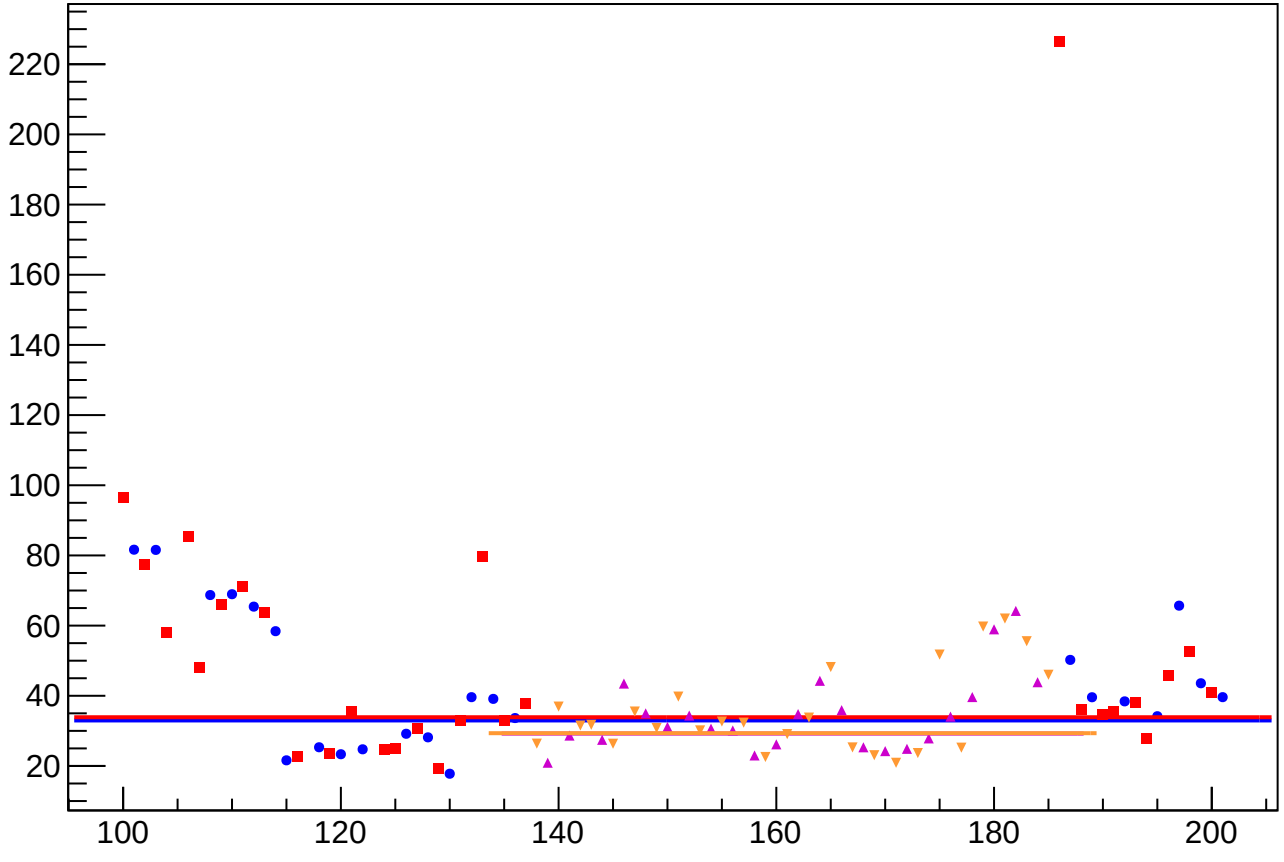
Right: 0.002+/-0.007 χ^2/NDF: 37.6/50

In: 0.007+/-0.006 χ^2/NDF:48.8/45

Out: 0.002+/-0.006 χ^2/NDF:53.4/52

All: 0.005+/-0.004 χ^2/NDF: 102.7/98

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: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

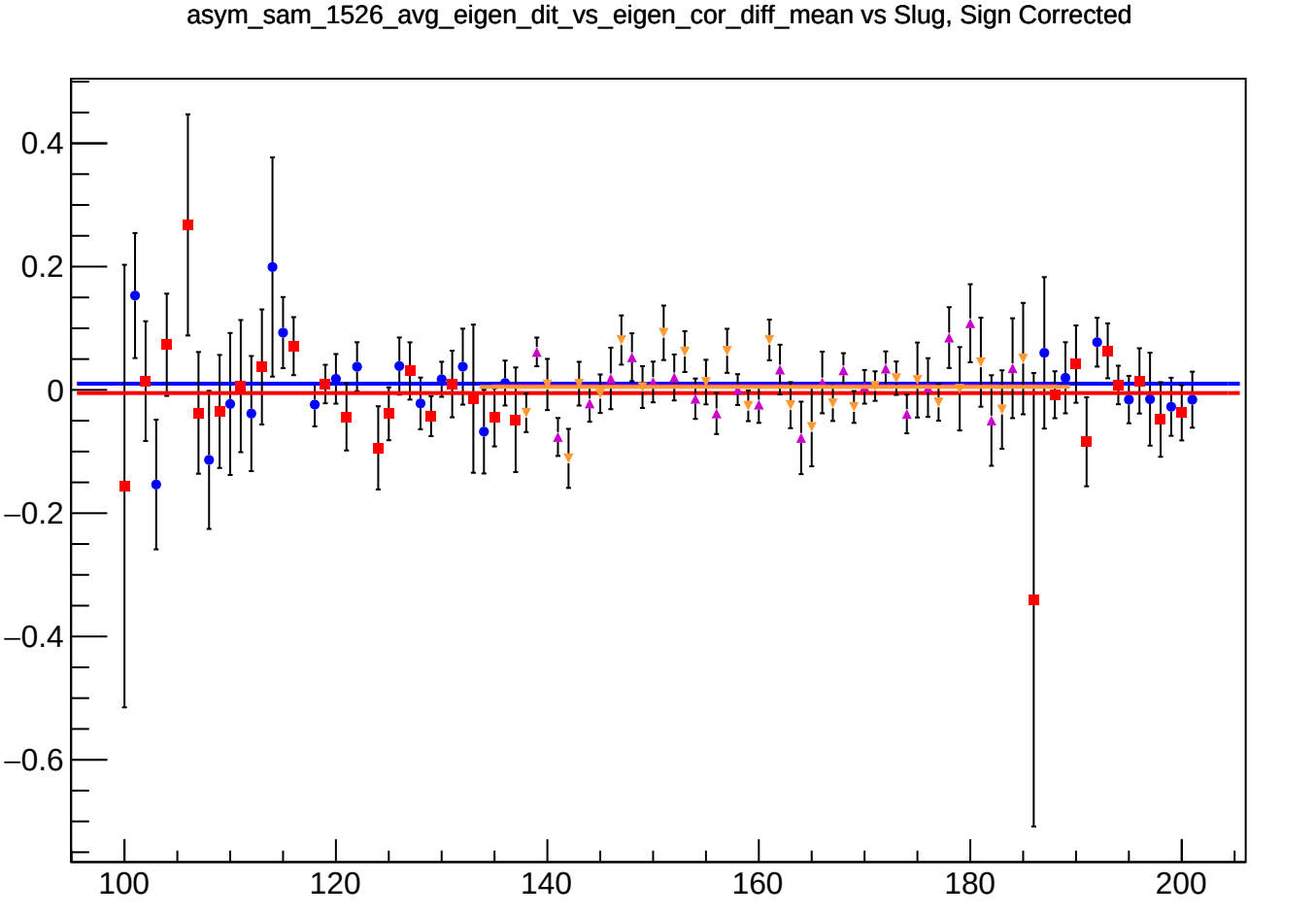
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.435+/-0.005 χ^2/NDF: 6922332.0/50

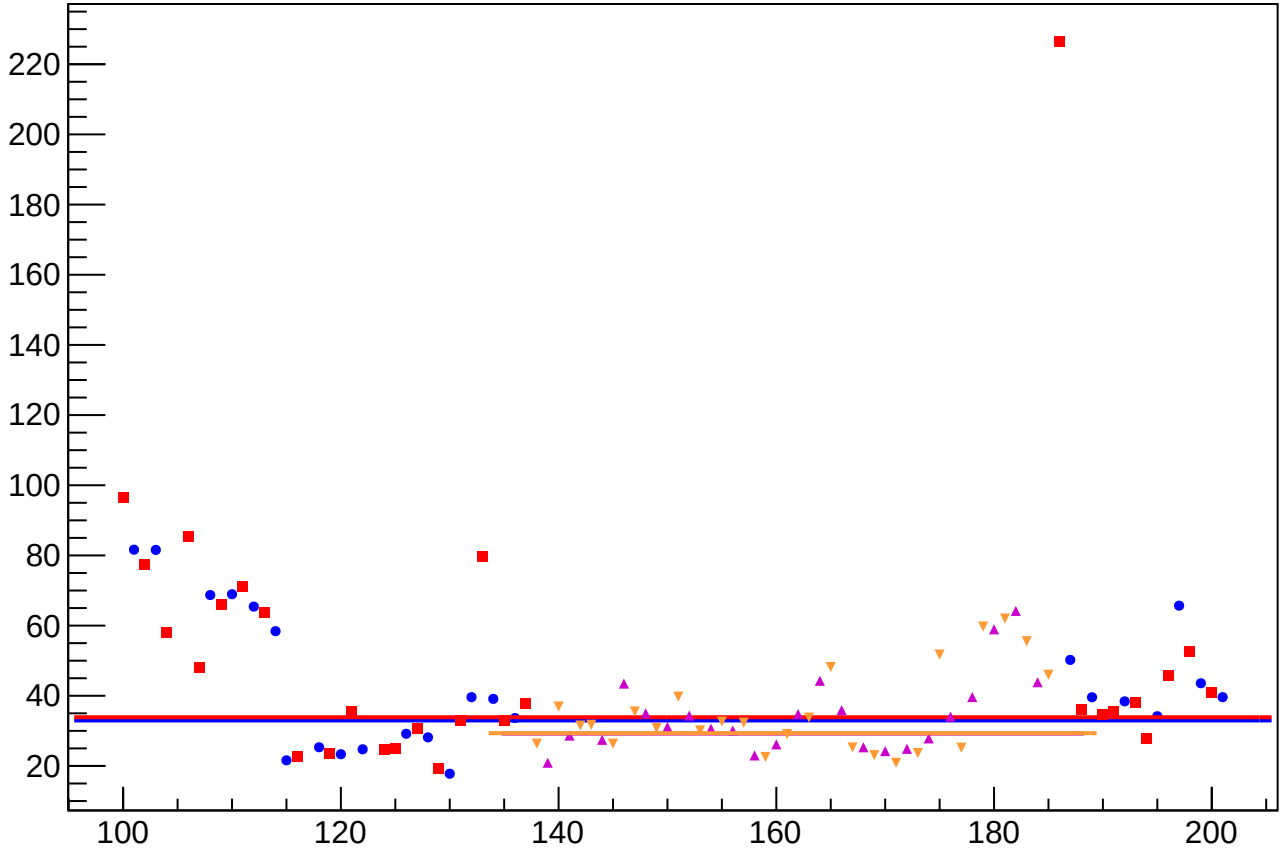
In: 30.443+/-0.004 χ^2/NDF:5486404.8/45

Out: 30.811+/-0.004 χ^2/NDF:6650933.8/52

All: 30.631+/-0.003 χ^2/NDF: 12141233.0/98


asym_sam_1526_avg_eigen_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: 0.010+/-0.010 χ²/NDF: 17.7/22
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.005+/-0.010 χ²/NDF: 18.8/27
Left In: 0.006+/-0.007 χ²/NDF:31.0/22
Left: 0.006+/-0.005 χ²/NDF: 65.0/47
Right: 0.002+/-0.007 χ²/NDF: 37.6/50
In: 0.007+/-0.006 χ²/NDF:48.8/45
Out: 0.002+/-0.006 χ²/NDF:53.4/52
All: 0.005+/-0.004 χ²/NDF: 102.7/98

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: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

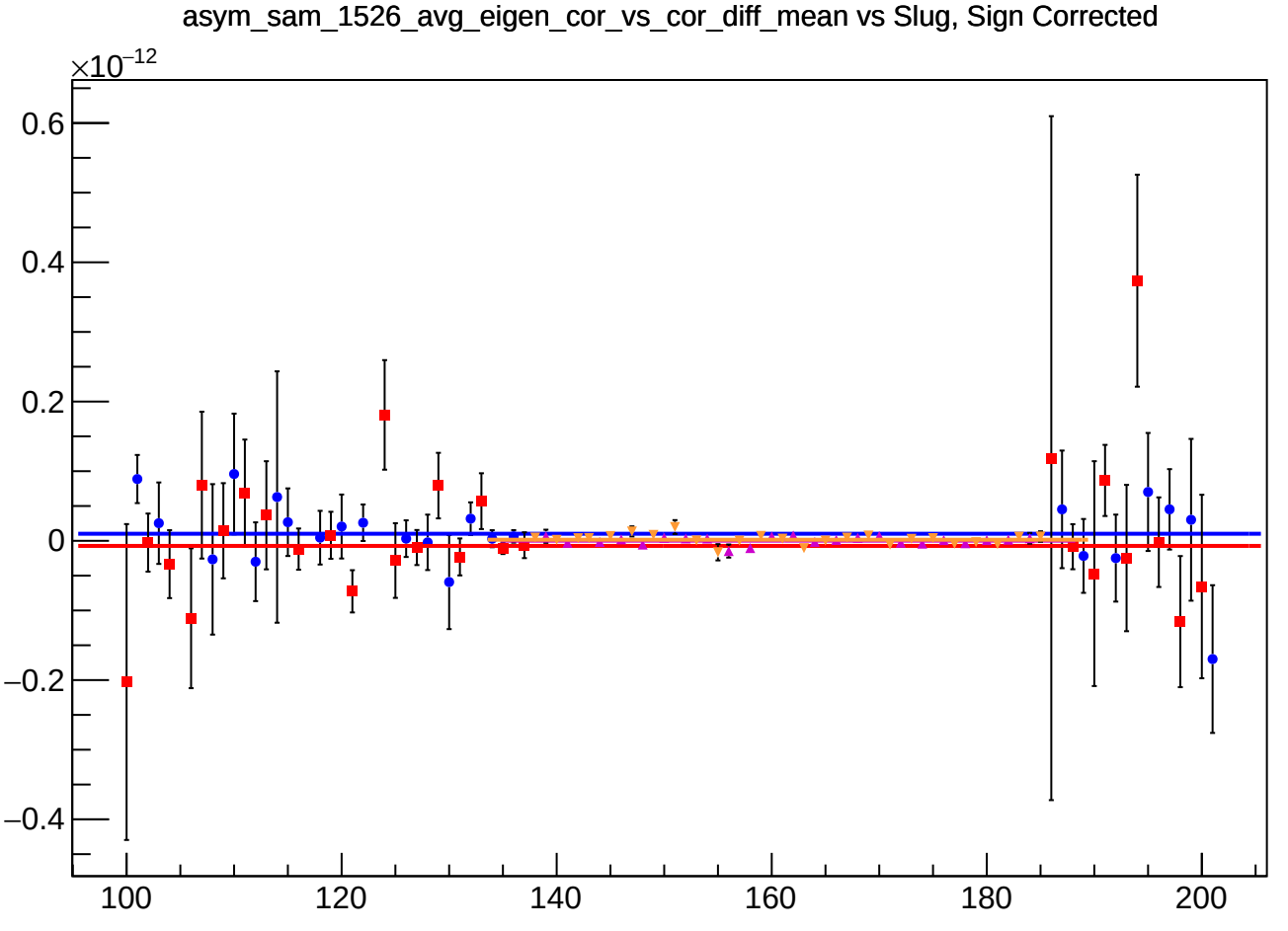
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.435+/-0.005 χ^2/NDF: 6922332.0/50

In: 30.443+/-0.004 χ^2/NDF:5486404.8/45

Out: 30.811+/-0.004 χ^2/NDF:6650933.8/52

All: 30.631+/-0.003 χ^2/NDF: 12141233.0/98



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: 32.8/27

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

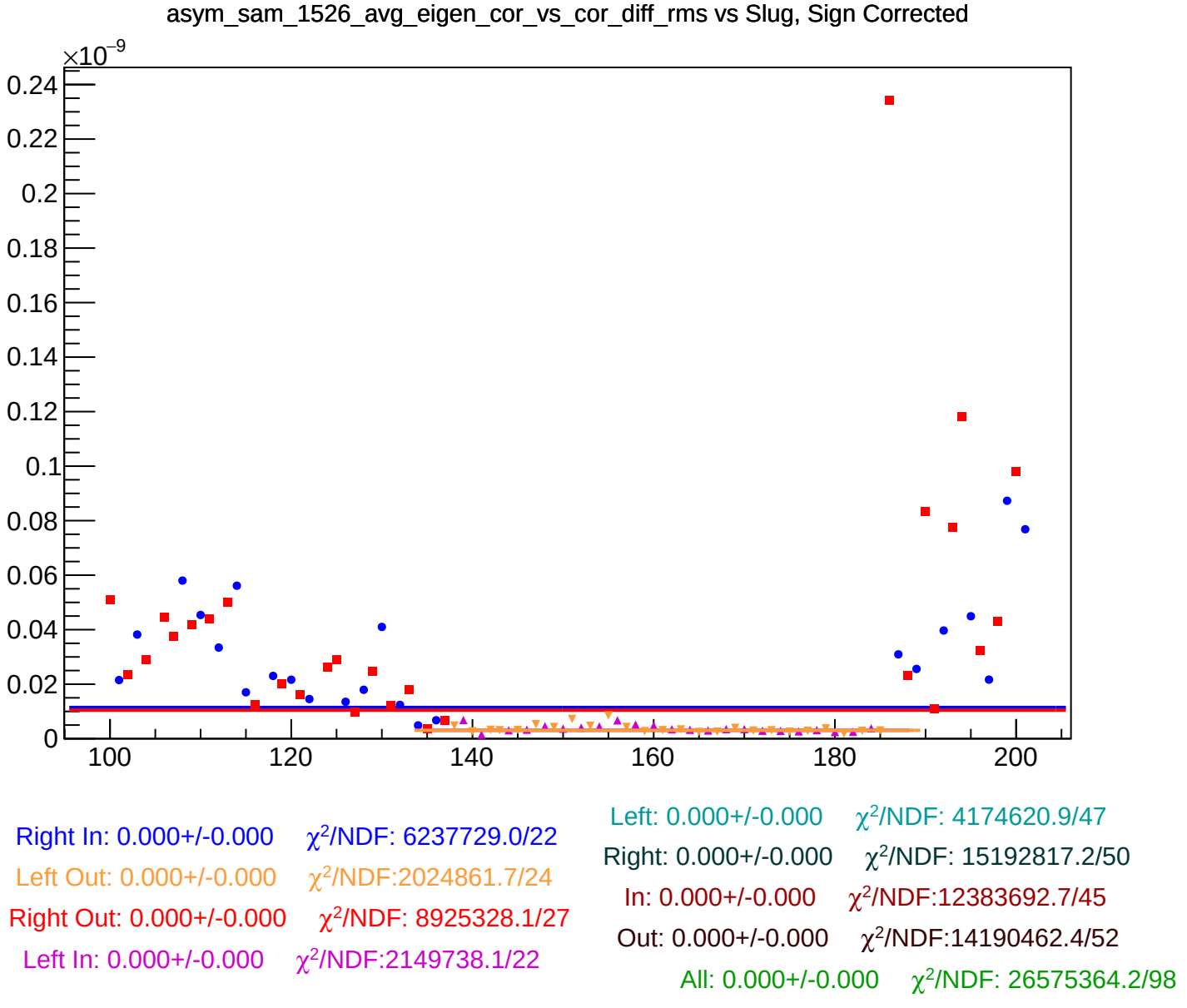
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

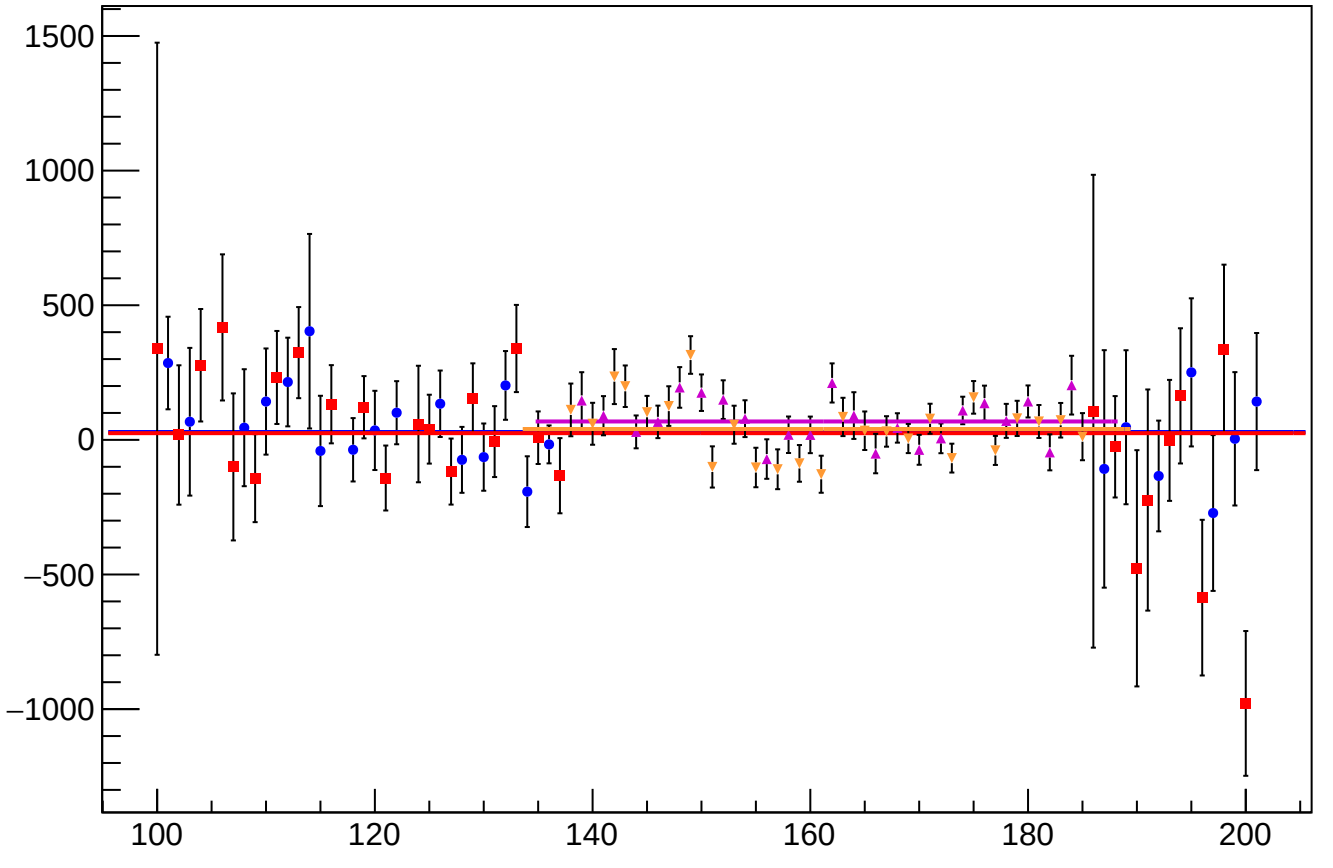
Right: 0.000+/-0.000 χ^2/NDF: 52.0/50

In: 0.000+/-0.000 χ^2/NDF:36.0/45

Out: 0.000+/-0.000 χ^2/NDF:70.1/52

All: 0.000+/-0.000 χ^2/NDF: 106.6/98


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: 8925328.1/27
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: 15192817.2/50
In: 0.000+/-0.000 χ²/NDF:12383692.7/45
Out: 0.000+/-0.000 χ²/NDF:14190462.4/52
All: 0.000+/-0.000 χ²/NDF: 26575364.2/98



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: 24.899+/-32.693 χ^2/NDF: 41.6/27

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

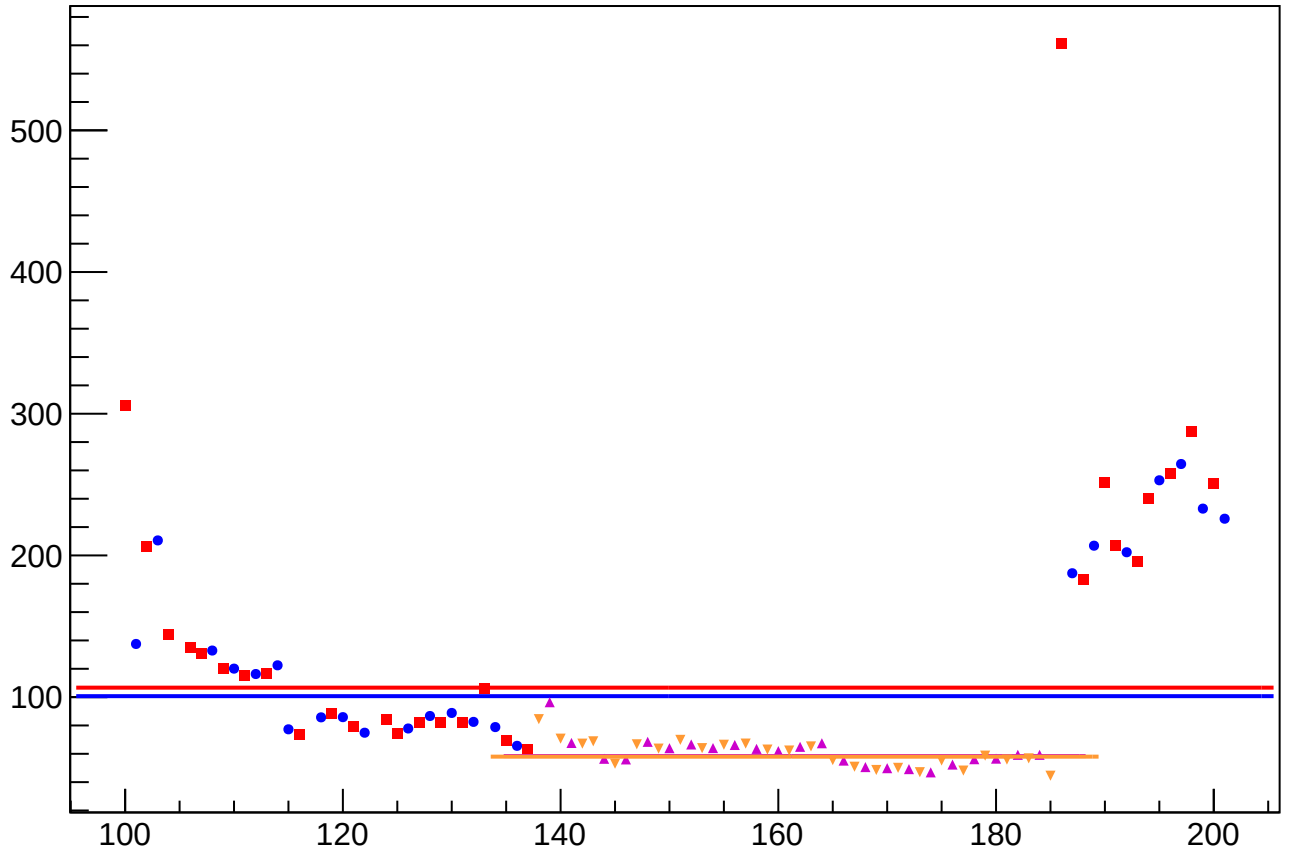
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 27.087+/-22.913 χ^2/NDF: 57.1/50

In: 62.196+/-12.731 χ^2/NDF:48.5/45

Out: 38.120+/-12.400 χ^2/NDF:101.2/52

All: 49.842+/-8.883 χ^2/NDF: 151.5/98



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: 106.685+/-0.023 χ^2/NDF: 5465282.9/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

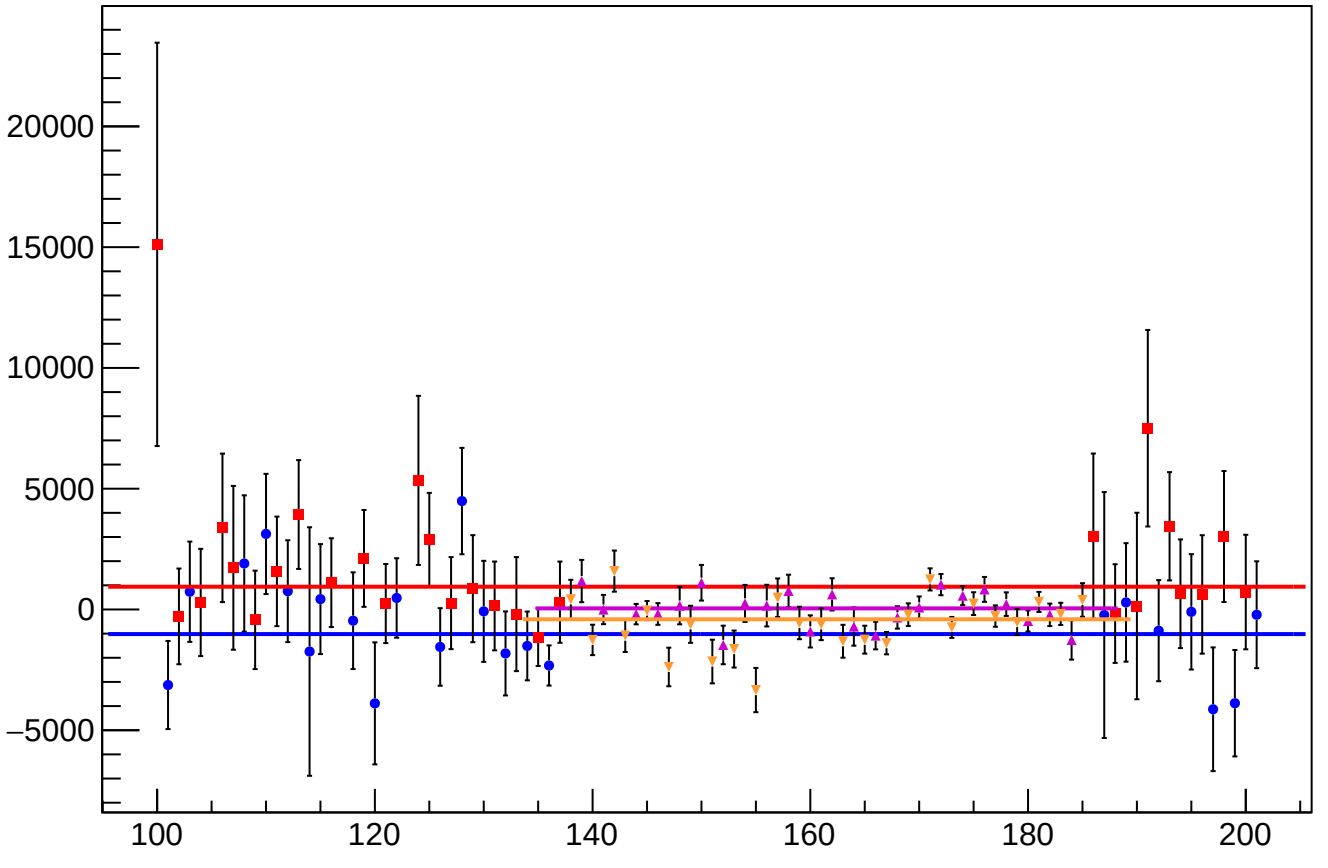
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 103.629+/-0.016 χ^2/NDF: 10031570.6/50

In: 65.037+/-0.009 χ^2/NDF:8187828.6/45

Out: 65.000+/-0.009 χ^2/NDF:10070703.1/52

All: 65.018+/-0.006 χ^2/NDF: 18258540.4/98



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: 941.570+/-411.779 χ^2/NDF: 18.4/27

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

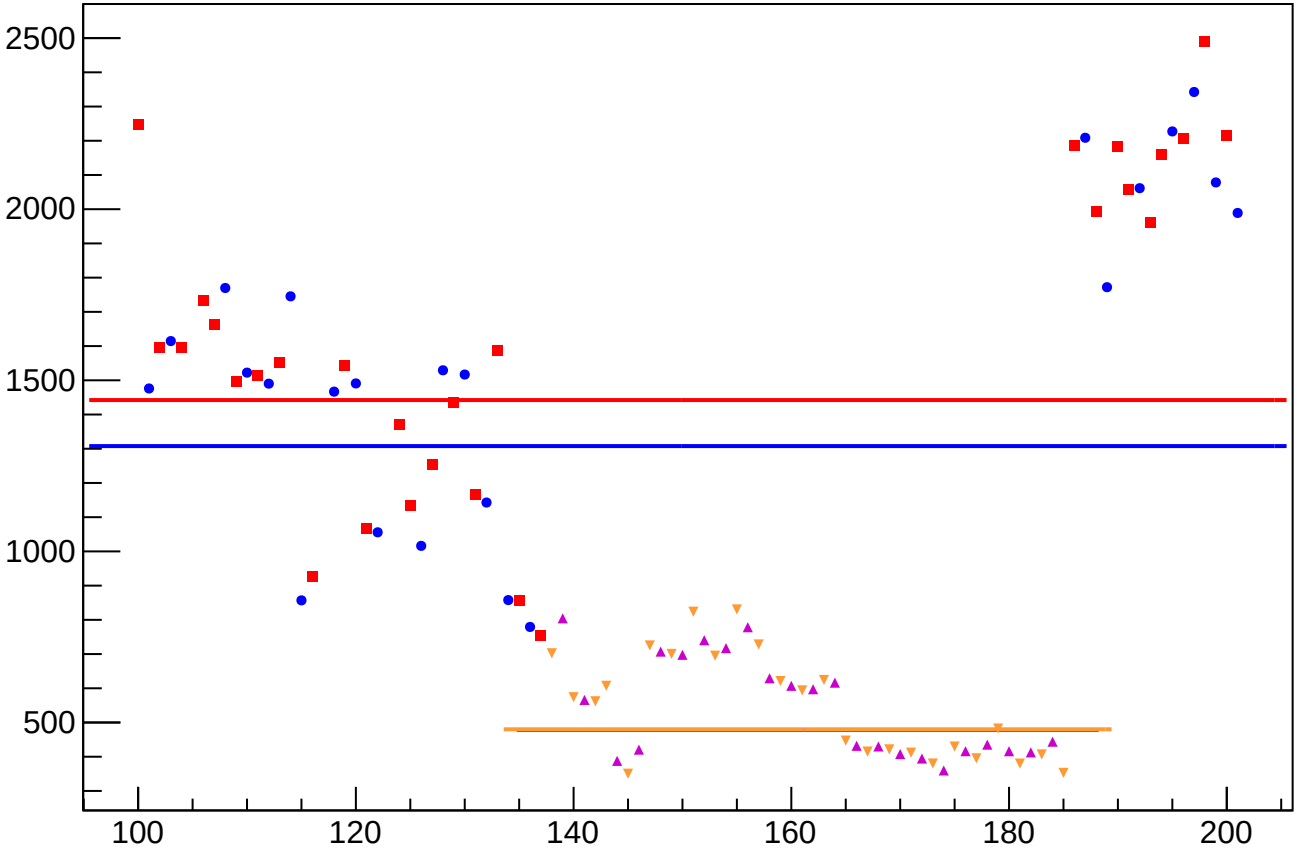
Right: -72.210+/-286.150 χ^2/NDF: 52.4/50

In: -38.175+/-111.157 χ^2/NDF:60.0/45

Out: -311.198+/-109.390 χ^2/NDF:91.5/52

All: -176.873+/-77.968 χ^2/NDF: 154.6/98

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1307.759+/-0.281 χ^2/NDF: 2890041.2/22

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1442.242+/-0.291 χ^2/NDF: 2653576.2/27

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

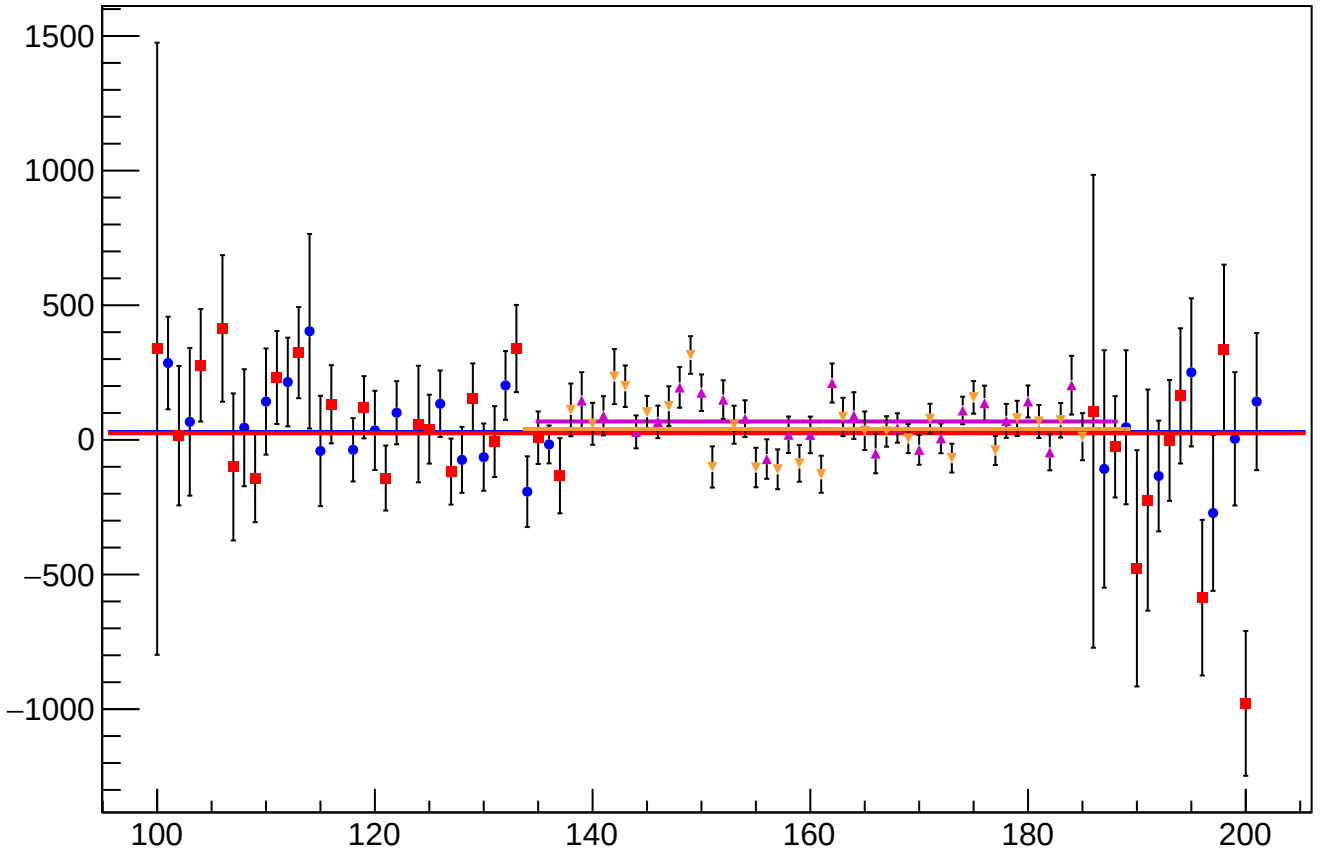
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1372.701+/-0.202 χ^2/NDF: 5653925.8/50

In: 542.822+/-0.079 χ^2/NDF:13121390.5/45

Out: 548.058+/-0.077 χ^2/NDF:15382852.0/52

All: 545.482+/-0.055 χ^2/NDF: 28506496.3/98



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: 24.765+/-32.695 χ^2/NDF: 41.5/27

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

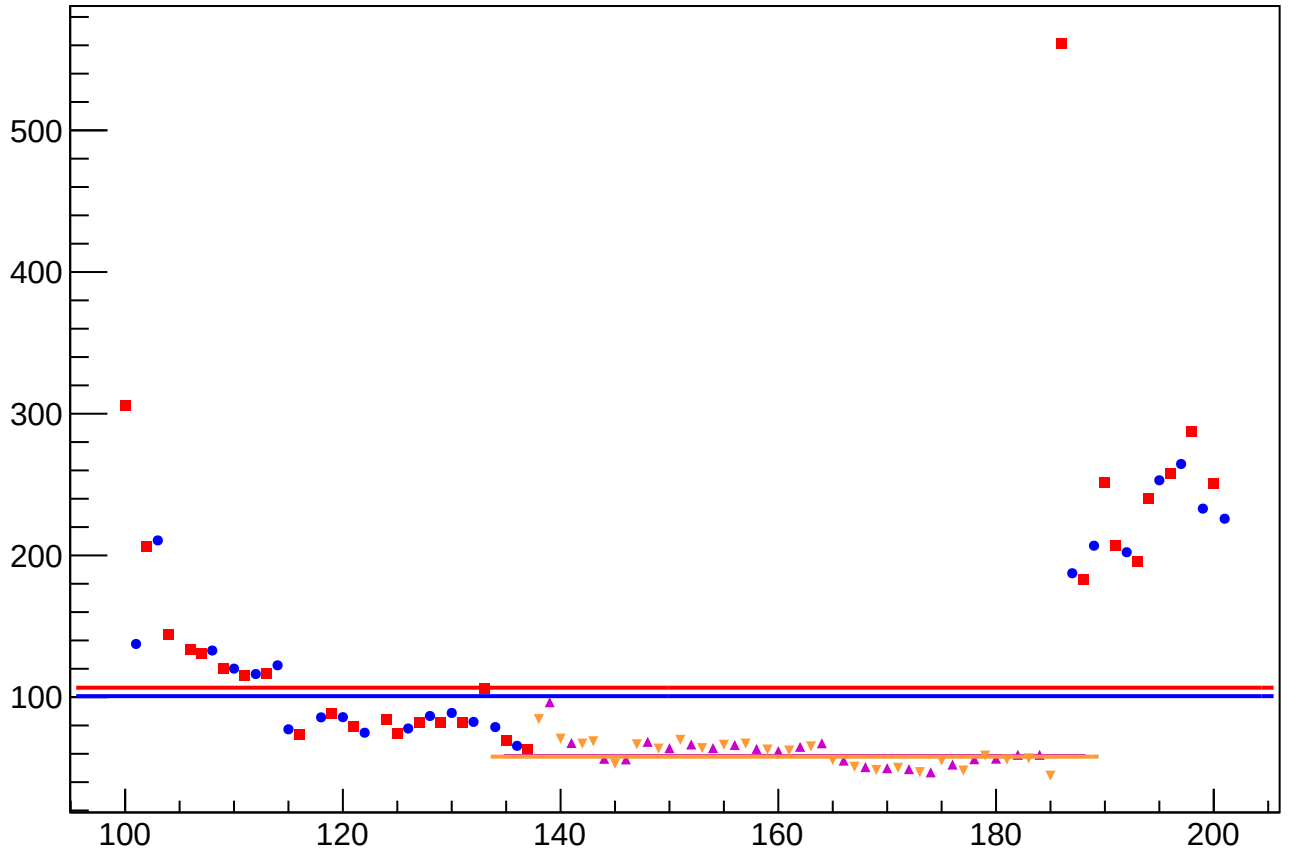
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 27.016+/-22.914 χ^2/NDF: 57.1/50

In: 62.194+/-12.731 χ^2/NDF:48.5/45

Out: 38.103+/-12.401 χ^2/NDF:101.2/52

All: 49.832+/-8.883 χ^2/NDF: 151.5/98



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: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

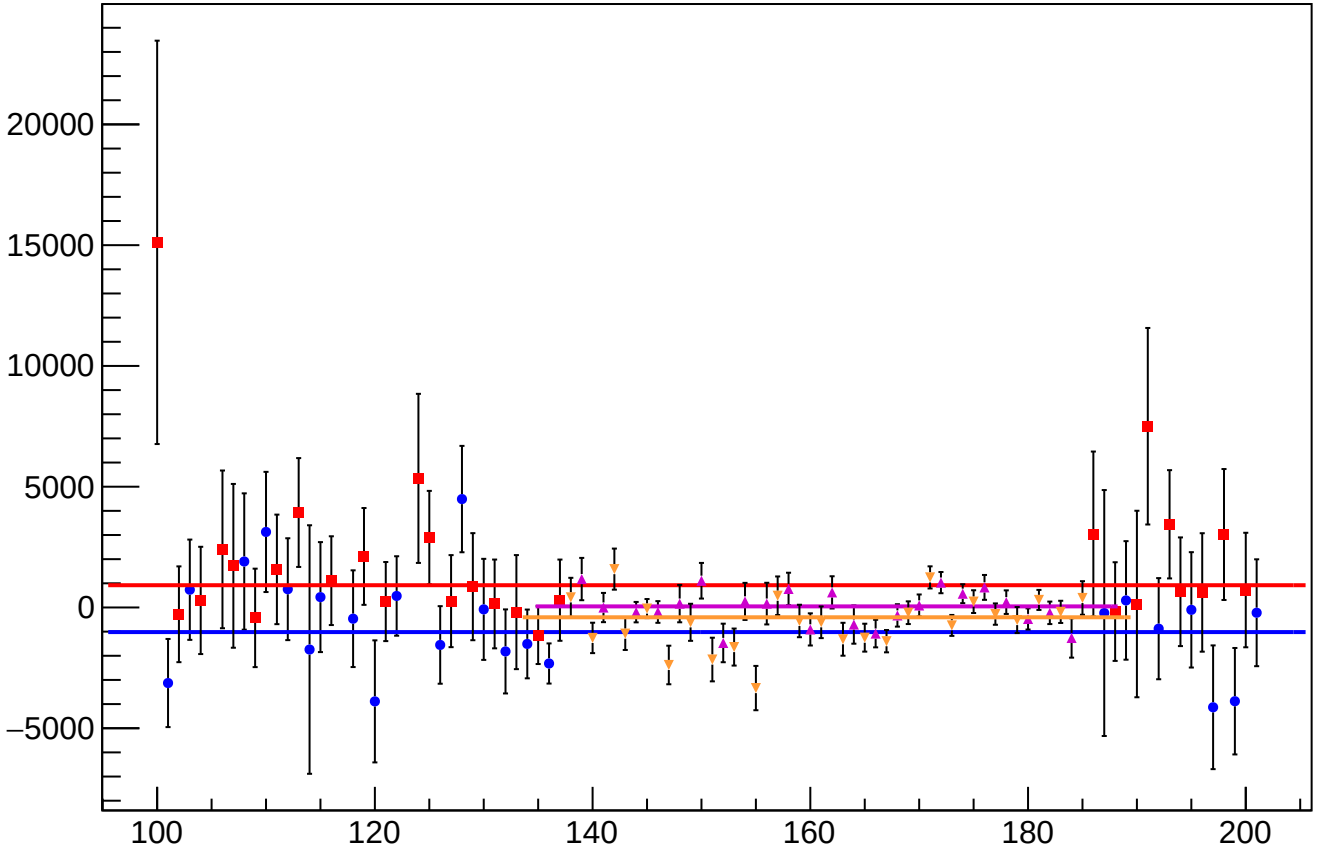
Right: 103.614+/-0.016 χ^2/NDF: 10028489.9/50

In: 65.037+/-0.009 χ^2/NDF:8187830.9/45

Out: 64.995+/-0.009 χ^2/NDF:10062812.5/52

All: 65.016+/-0.006 χ^2/NDF: 18250654.6/98

asym_sam_3726_avg_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: 921.393+/-412.213 χ^2/NDF: 17.9/27

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

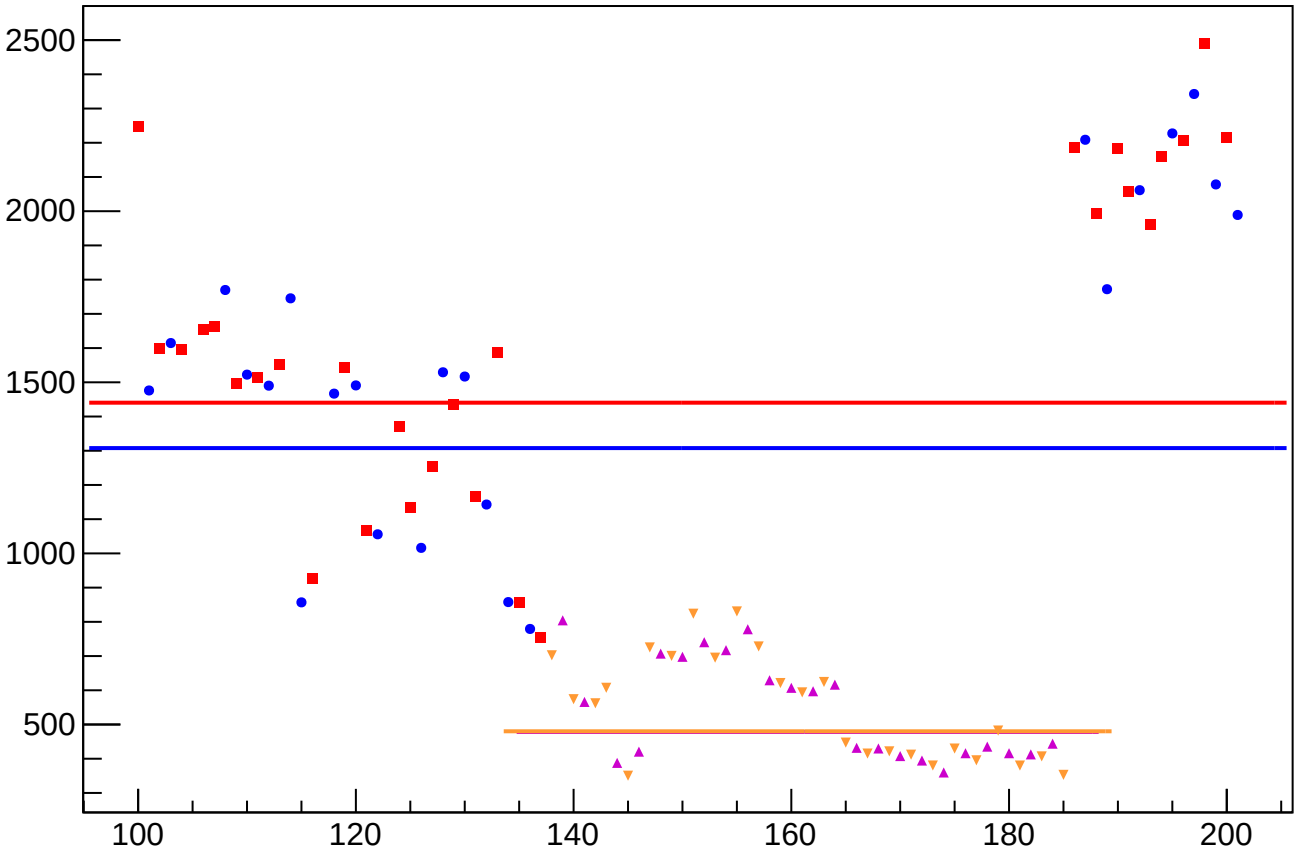
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -82.959+/-286.296 χ^2/NDF: 51.7/50

In: -38.173+/-111.157 χ^2/NDF:60.0/45

Out: -312.804+/-109.399 χ^2/NDF:90.8/52

All: -177.678+/-77.971 χ^2/NDF: 153.8/98



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: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

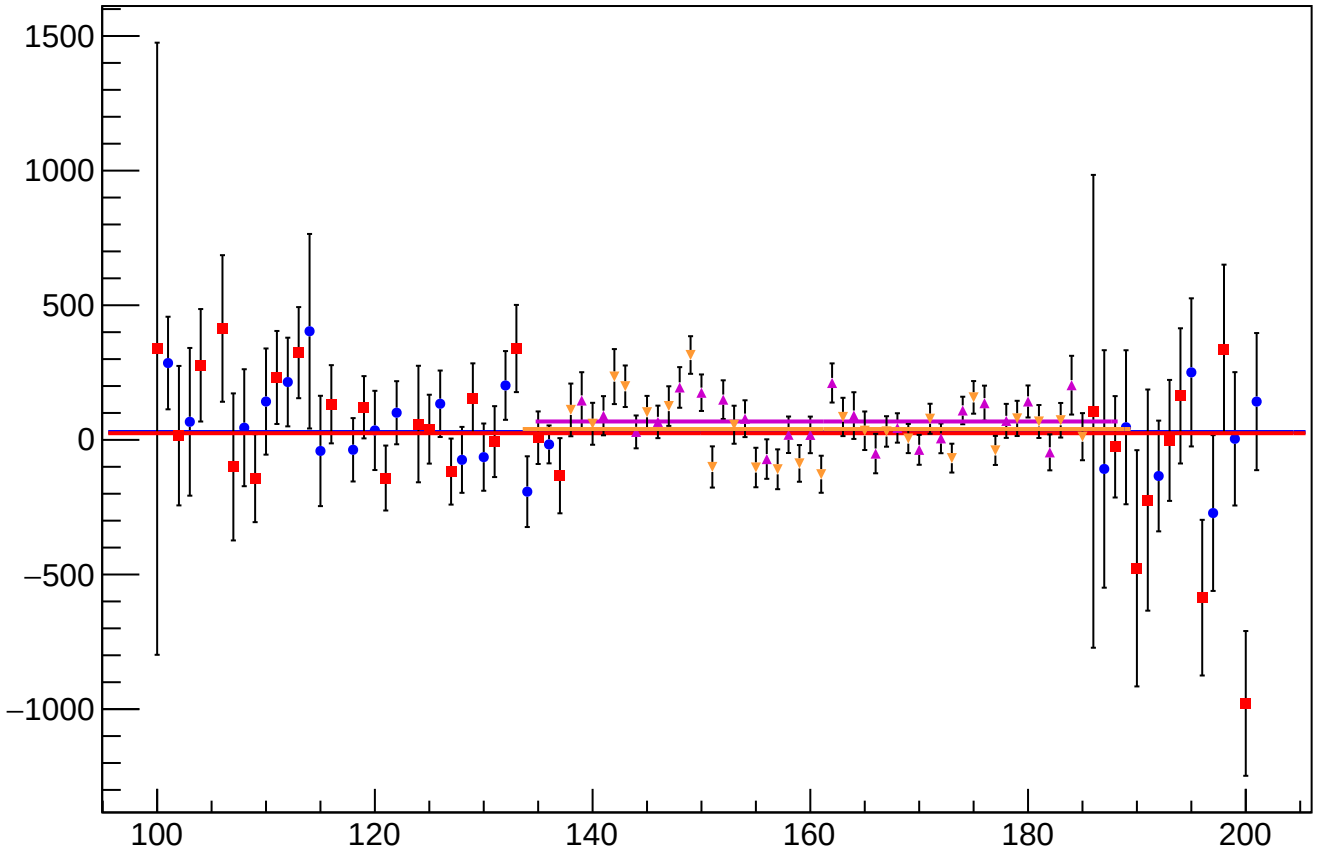
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1371.763+/-0.202 χ^2/NDF: 5641606.3/50

In: 542.822+/-0.079 χ^2/NDF:13121418.2/45

Out: 547.798+/-0.077 χ^2/NDF:15315843.0/52

All: 545.350+/-0.055 χ^2/NDF: 28439296.8/98



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: 24.765+/-32.695 χ^2/NDF: 41.5/27

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

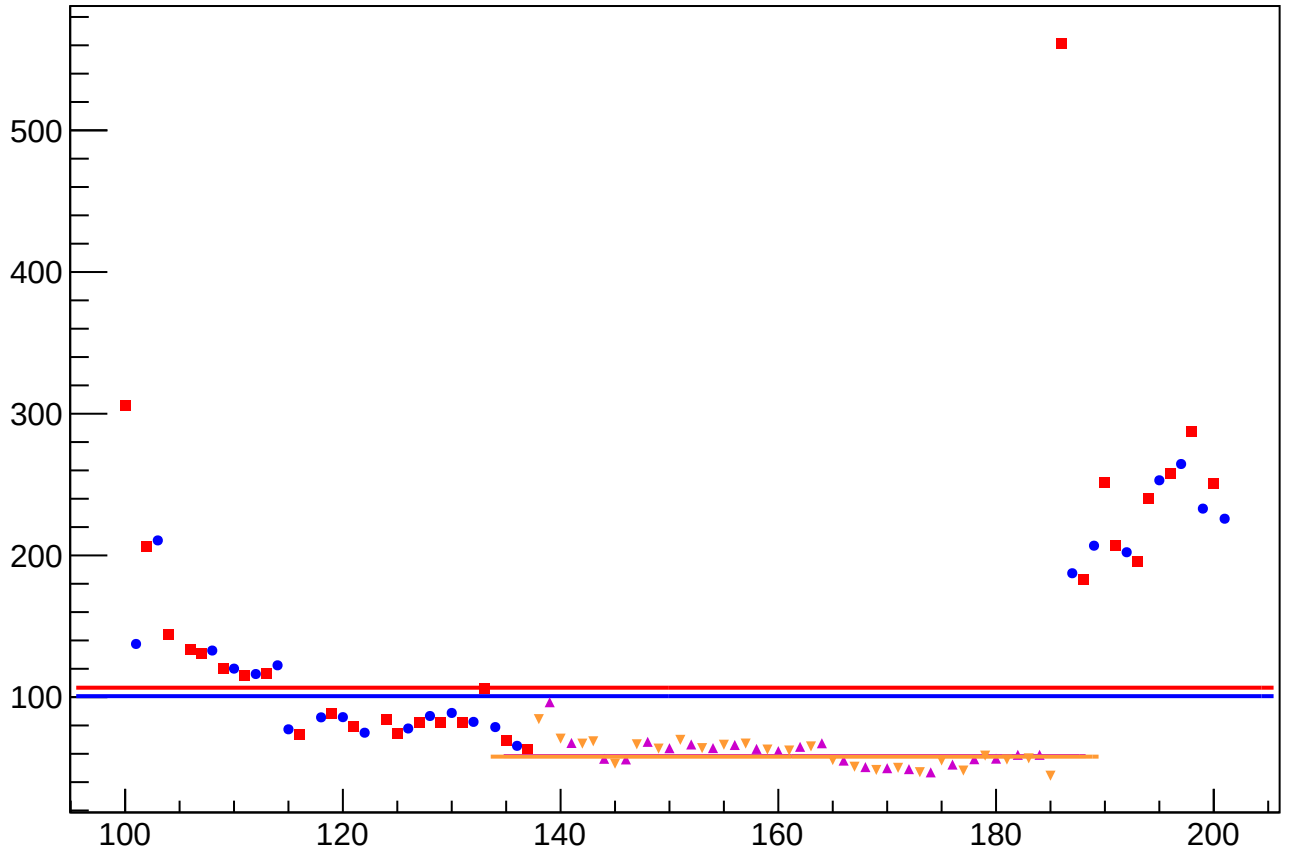
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 27.016+/-22.914 χ^2/NDF: 57.1/50

In: 62.194+/-12.731 χ^2/NDF:48.5/45

Out: 38.103+/-12.401 χ^2/NDF:101.2/52

All: 49.832+/-8.883 χ^2/NDF: 151.5/98



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: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

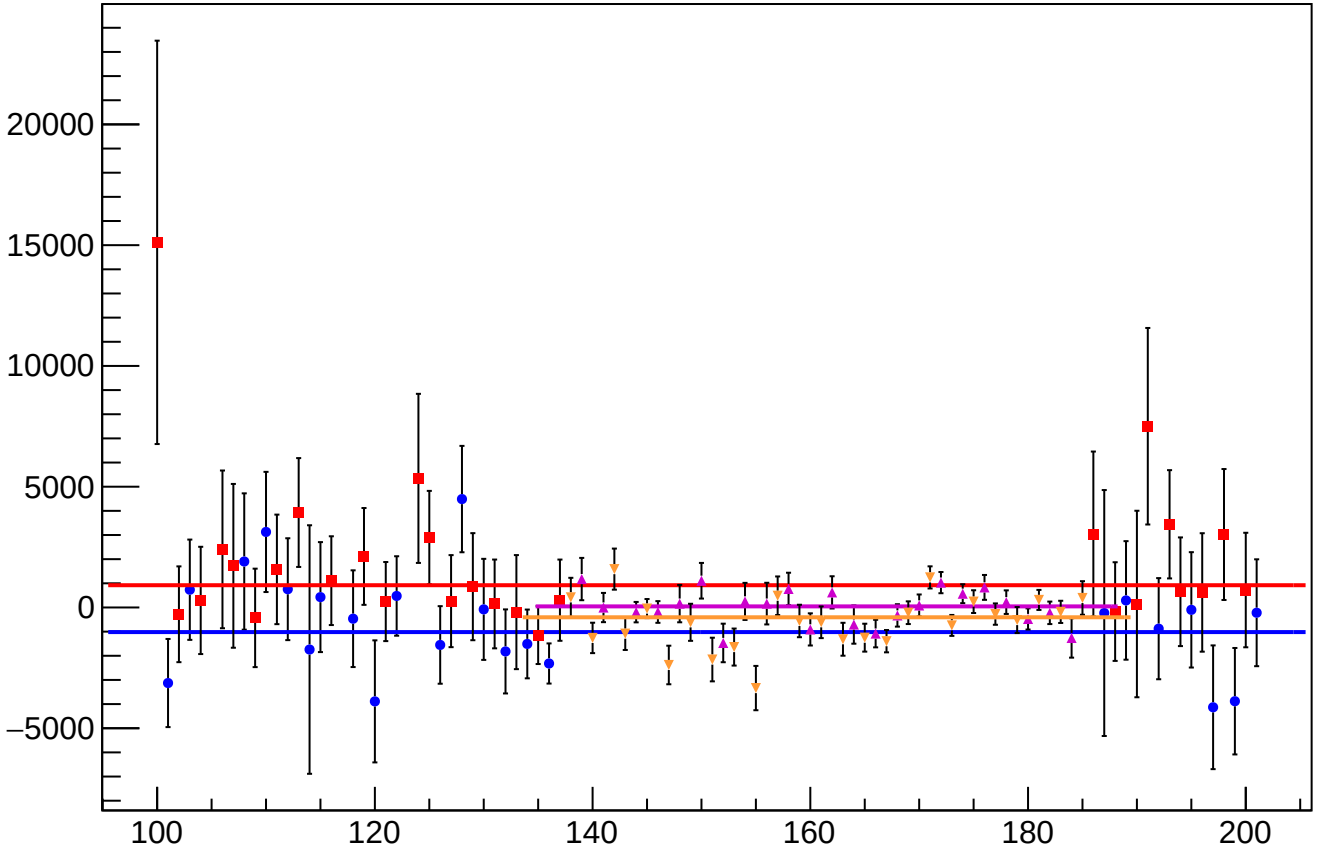
Right: 103.614+/-0.016 χ^2/NDF: 10028489.9/50

In: 65.037+/-0.009 χ^2/NDF:8187830.9/45

Out: 64.995+/-0.009 χ^2/NDF:10062812.5/52

All: 65.016+/-0.006 χ^2/NDF: 18250654.6/98

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: 921.393+/-412.213 χ^2/NDF: 17.9/27

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

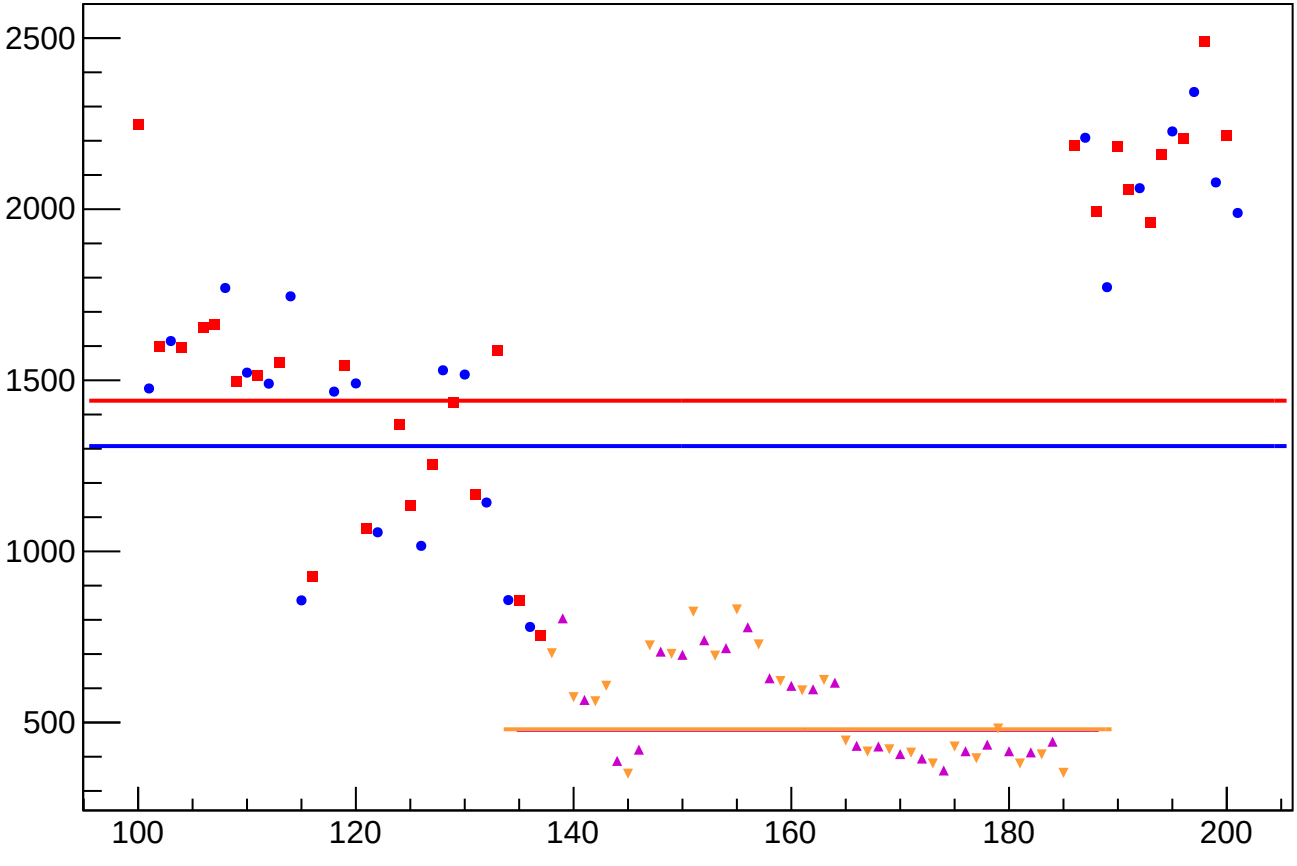
Right: -82.959+/-286.296 χ^2/NDF: 51.7/50

In: -38.173+/-111.157 χ^2/NDF:60.0/45

Out: -312.804+/-109.399 χ^2/NDF:90.8/52

All: -177.678+/-77.971 χ^2/NDF: 153.8/98

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: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

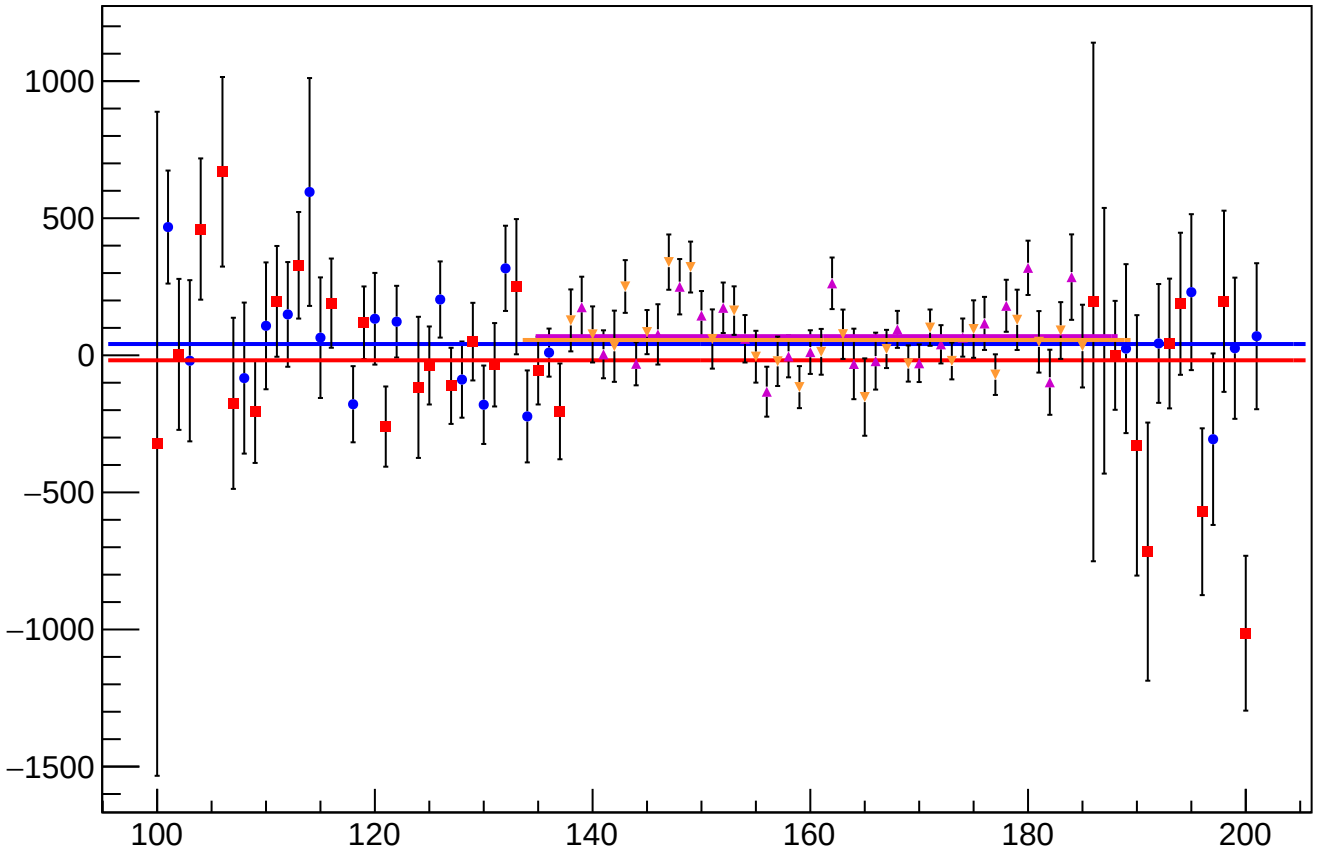
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1371.763+/-0.202 χ^2/NDF: 5641606.3/50

In: 542.822+/-0.079 χ^2/NDF:13121418.2/45

Out: 547.798+/-0.077 χ^2/NDF:15315843.0/52

All: 545.350+/-0.055 χ^2/NDF: 28439296.8/98



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: -18.223+/-37.964 χ^2/NDF: 41.3/27

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

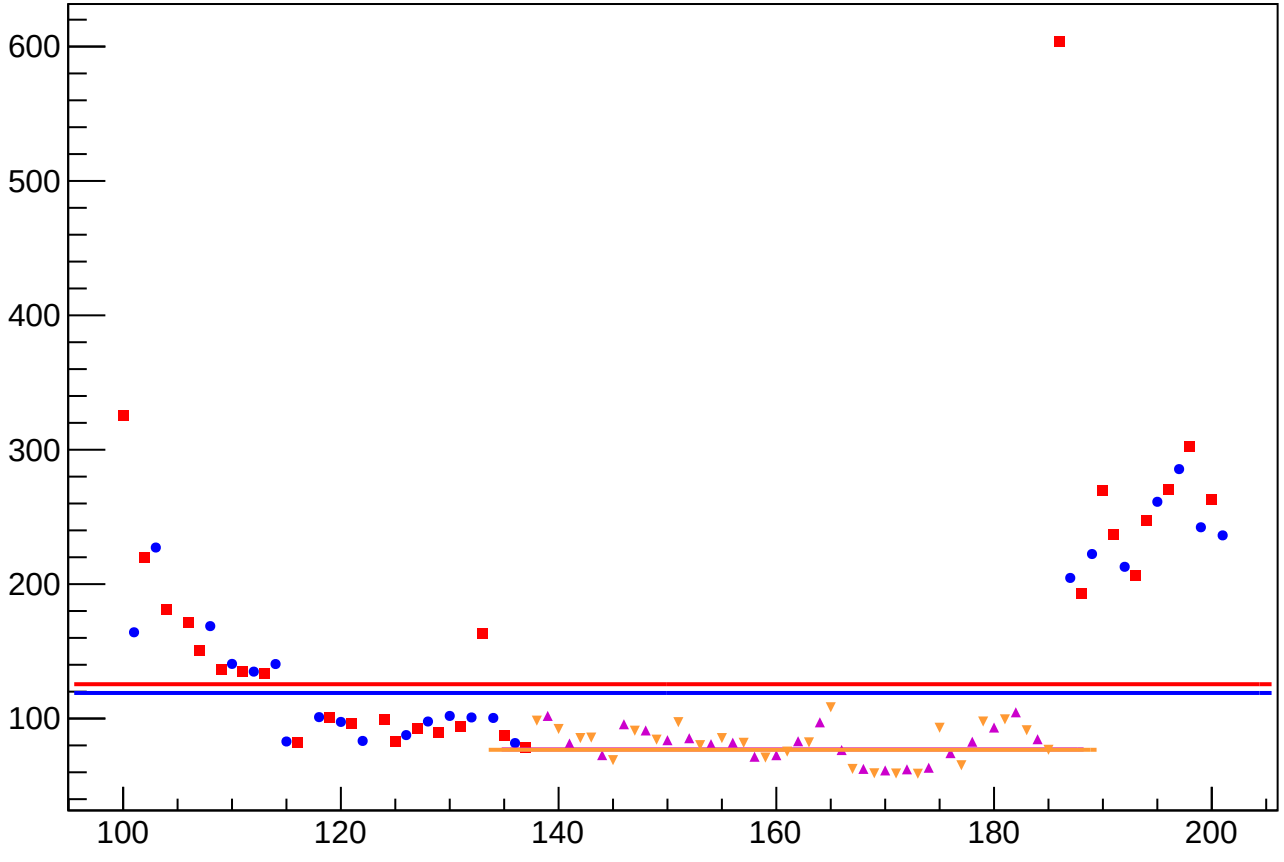
Right: 11.890+/-26.647 χ^2/NDF: 64.6/50

In: 64.203+/-16.581 χ^2/NDF:57.0/45

Out: 42.398+/-16.227 χ^2/NDF:82.7/52

All: 53.066+/-11.597 χ^2/NDF: 140.6/98

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 125.536+/-0.027 χ^2/NDF: 4863917.1/27

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

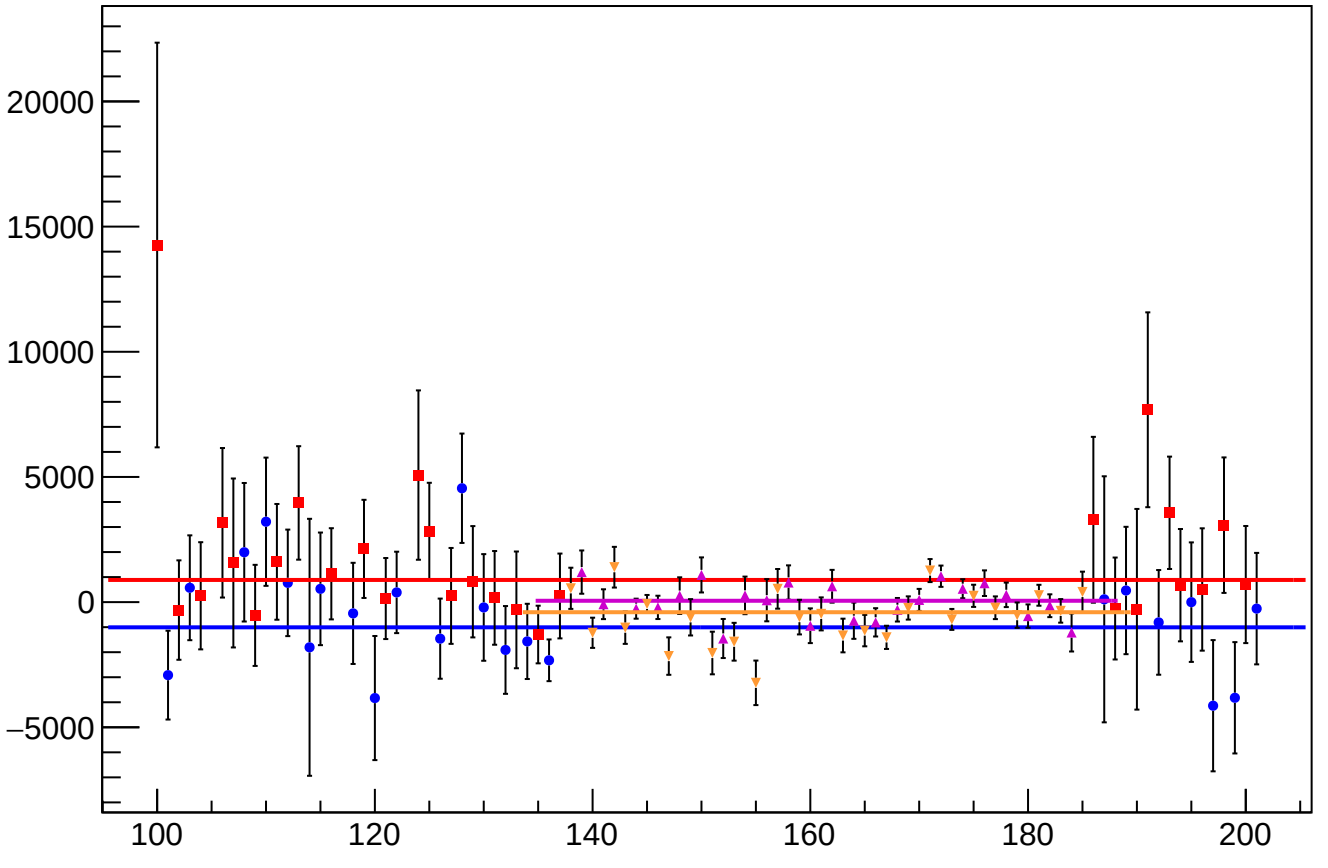
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 122.231+/-0.019 χ^2/NDF: 8800539.6/50

In: 85.269+/-0.012 χ^2/NDF:6791586.5/45

Out: 85.658+/-0.011 χ^2/NDF:8798601.0/52

All: 85.468+/-0.008 χ^2/NDF: 15590749.8/98



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: 885.756+/-408.070 χ^2/NDF: 19.8/27

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

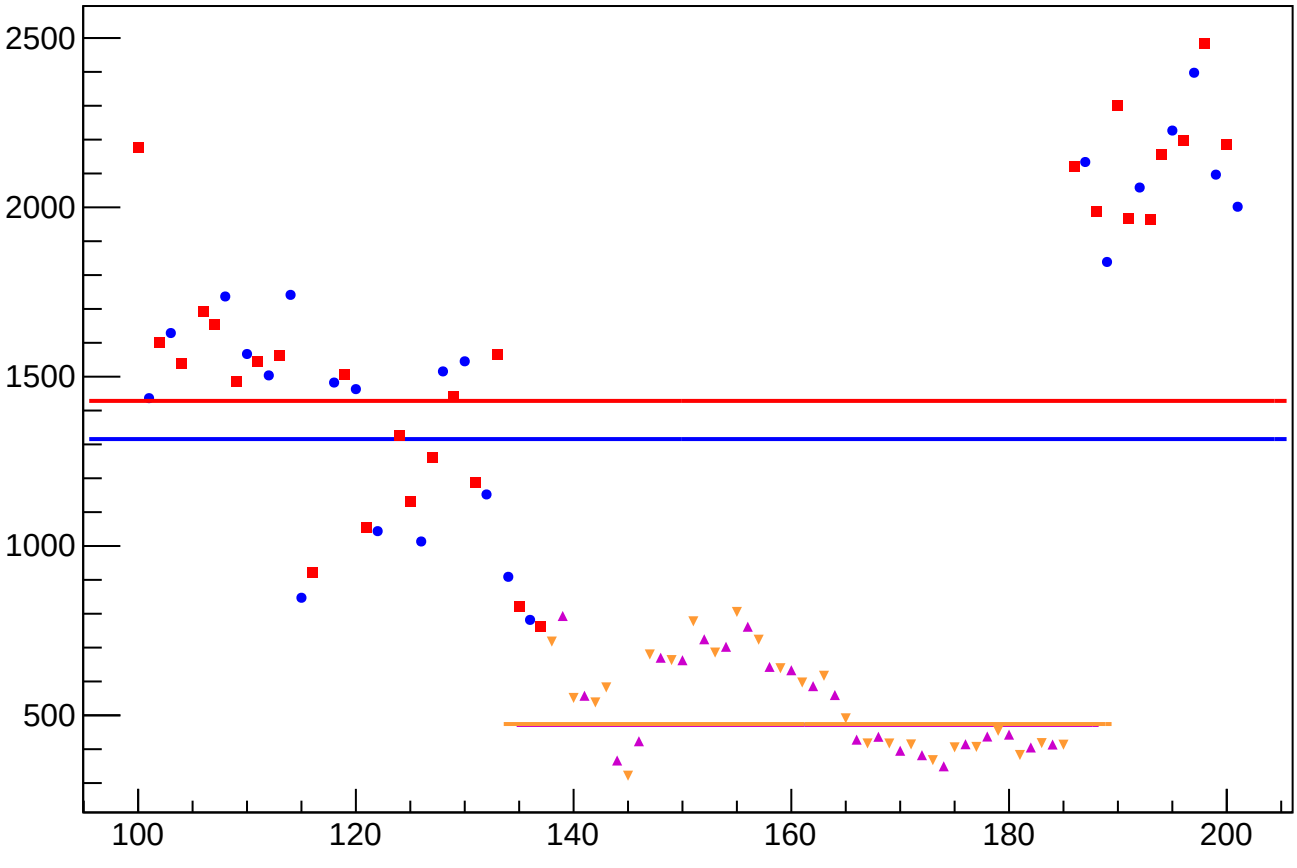
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -79.492+/-285.633 χ^2/NDF: 53.0/50

In: -25.814+/-109.832 χ^2/NDF:59.4/45

Out: -313.408+/-107.802 χ^2/NDF:89.8/52

All: -172.292+/-76.935 χ^2/NDF: 152.7/98



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: 1428.472+/-0.289 χ^2/NDF: 2716934.5/27

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

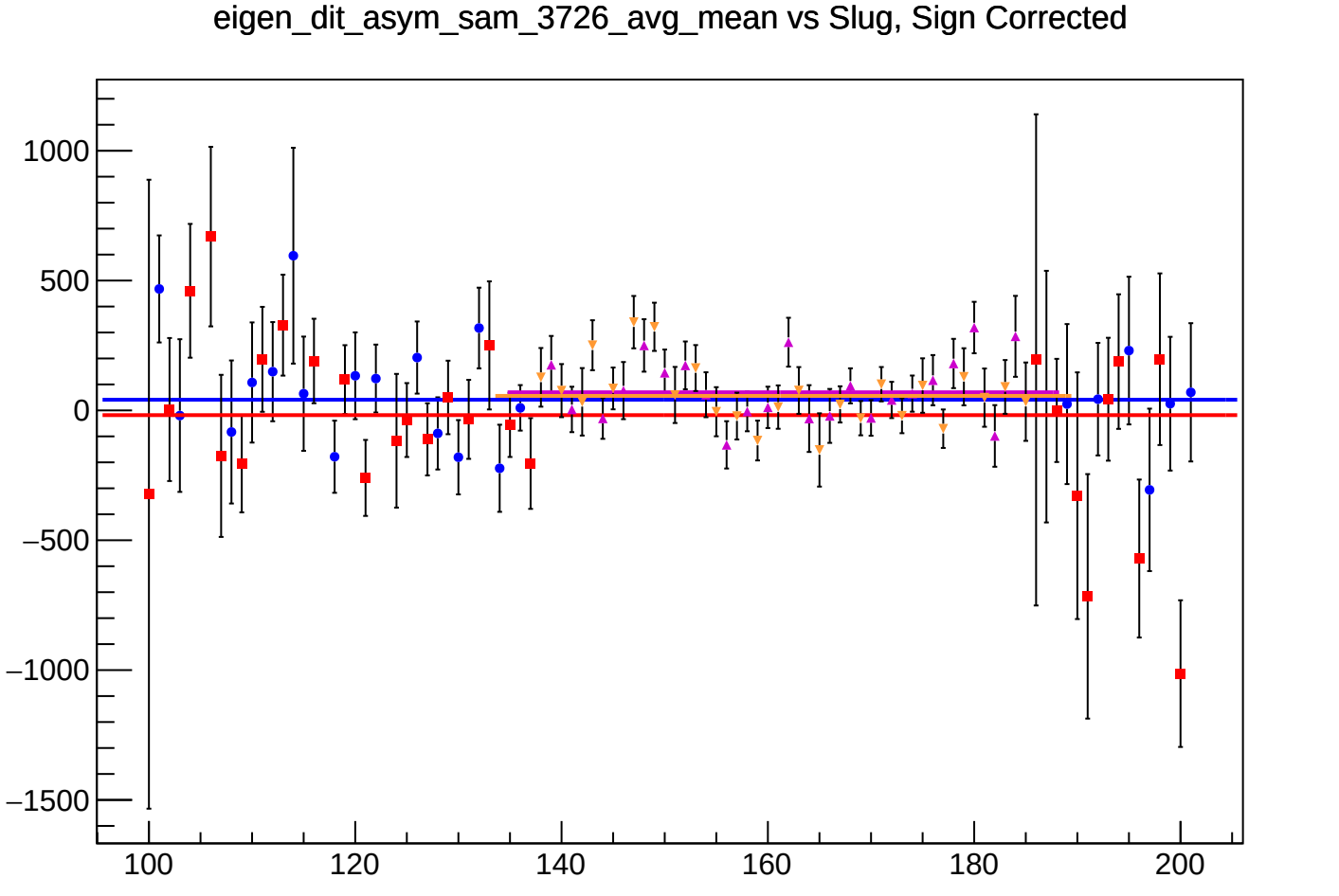
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1370.971+/-0.202 χ^2/NDF: 5665561.6/50

In: 535.127+/-0.078 χ^2/NDF:13320591.5/45

Out: 540.885+/-0.076 χ^2/NDF:15427819.8/52

All: 538.060+/-0.054 χ^2/NDF: 28751211.0/98



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: -18.225+/-37.964 χ^2/NDF: 41.3/27

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

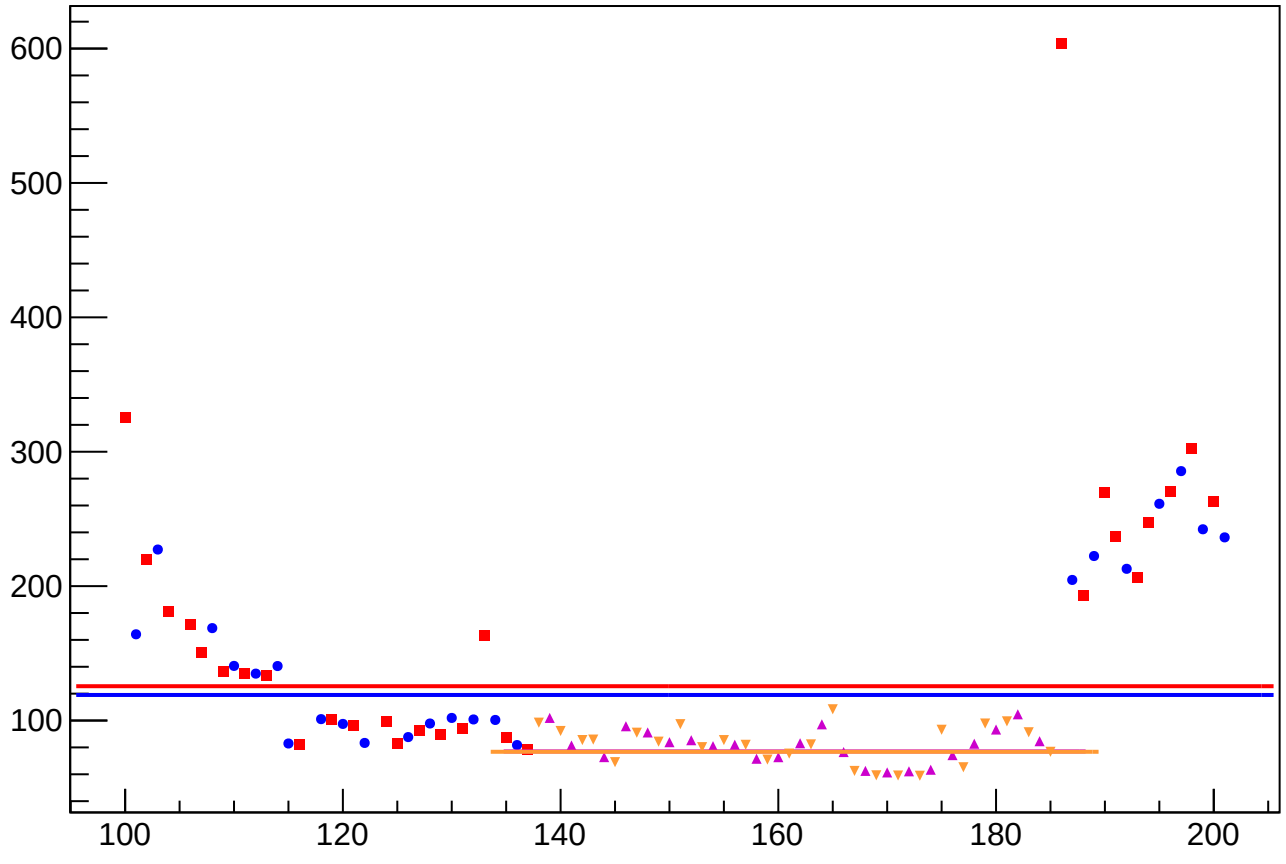
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 11.889+/-26.647 χ^2/NDF: 64.6/50

In: 64.203+/-16.581 χ^2/NDF:57.0/45

Out: 42.397+/-16.227 χ^2/NDF:82.7/52

All: 53.065+/-11.597 χ^2/NDF: 140.6/98



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: 125.536+/-0.027 χ^2/NDF: 4863923.8/27

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

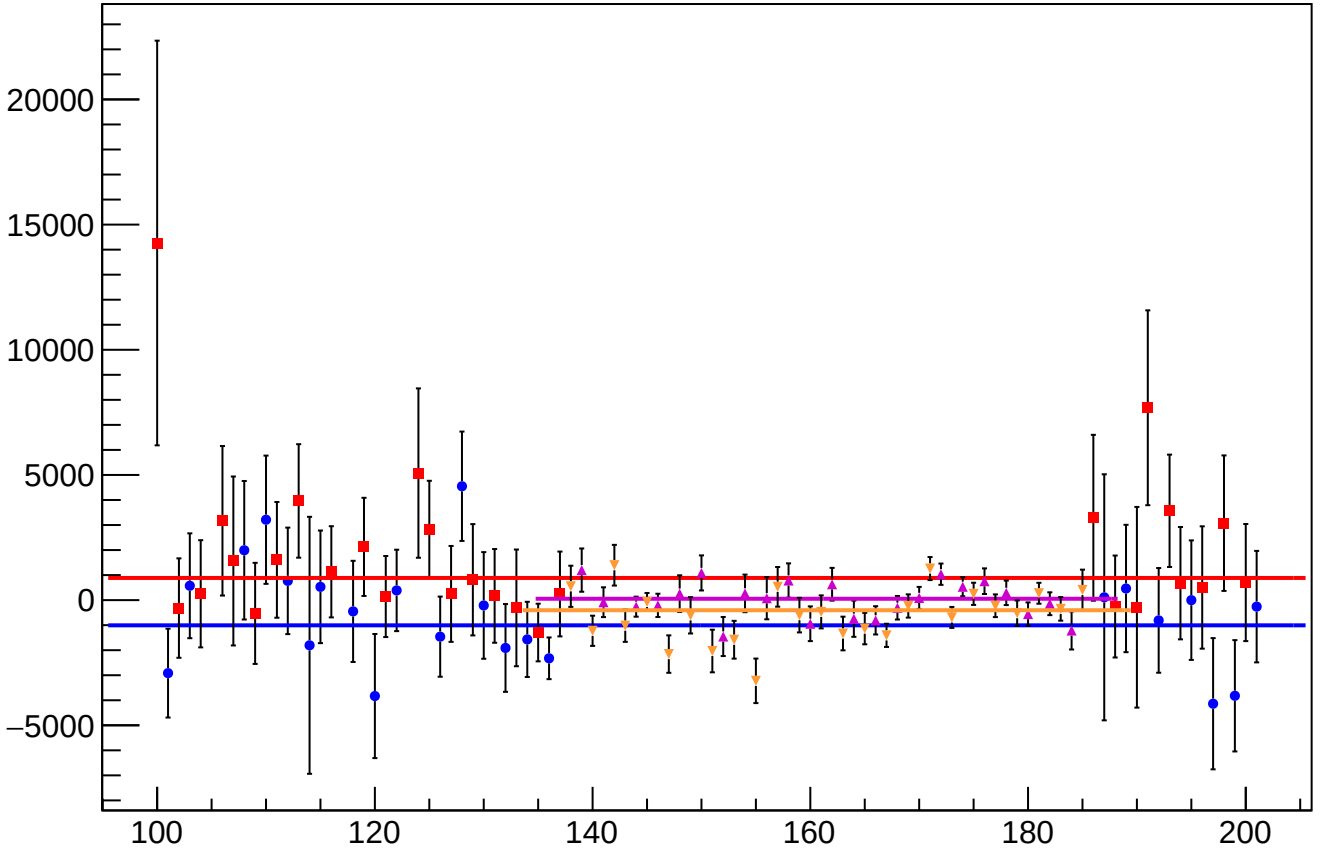
Right: 122.231+/-0.019 χ^2/NDF: 8800553.8/50

In: 85.269+/-0.012 χ^2/NDF:6791534.4/45

Out: 85.658+/-0.011 χ^2/NDF:8798566.6/52

All: 85.468+/-0.008 χ^2/NDF: 15590663.2/98

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: 885.756+/-408.069 χ^2/NDF: 19.8/27

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

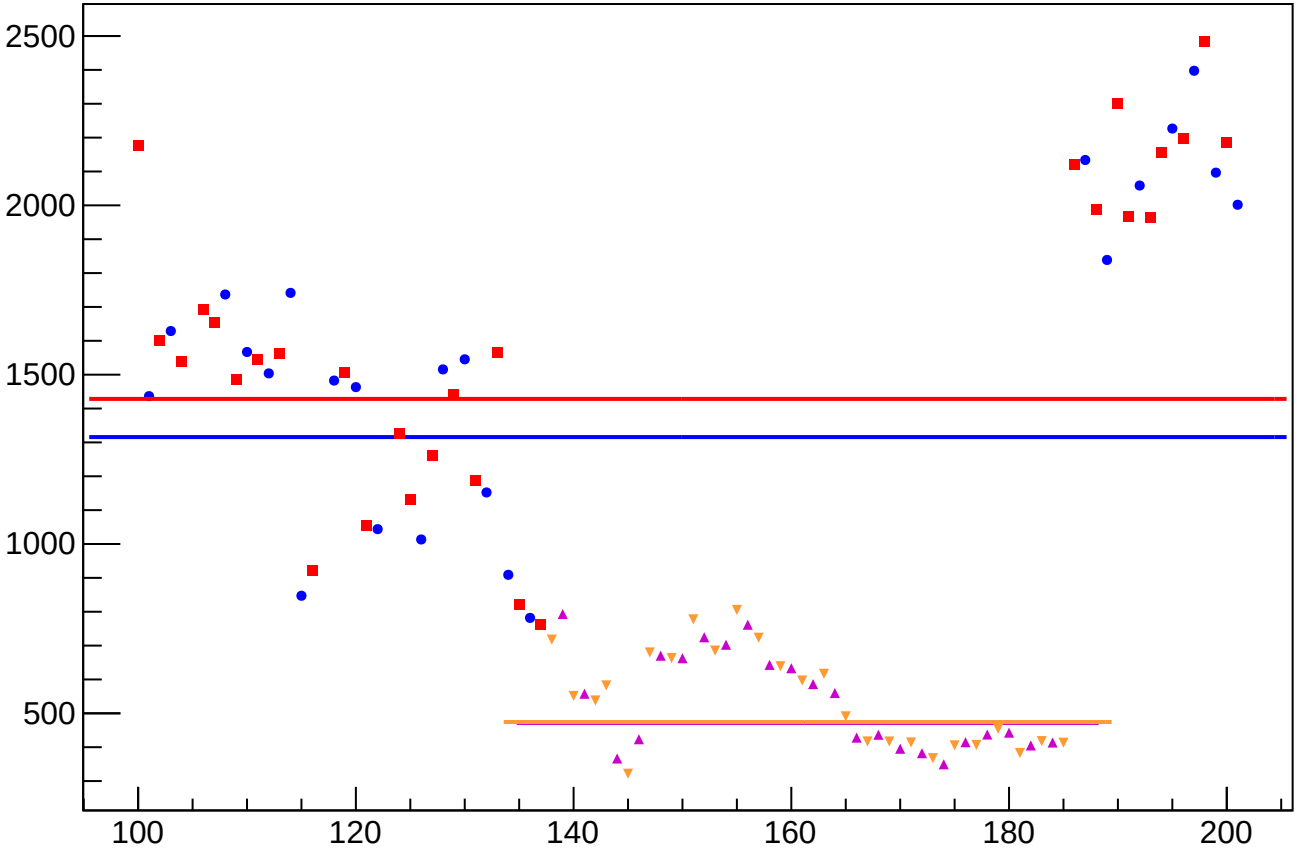
Right: -79.490+/-285.632 χ^2/NDF: 53.0/50

In: -25.814+/-109.832 χ^2/NDF:59.4/45

Out: -313.407+/-107.802 χ^2/NDF:89.8/52

All: -172.292+/-76.935 χ^2/NDF: 152.7/98

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: 1428.470+/-0.289 χ^2/NDF: 2716930.9/27

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

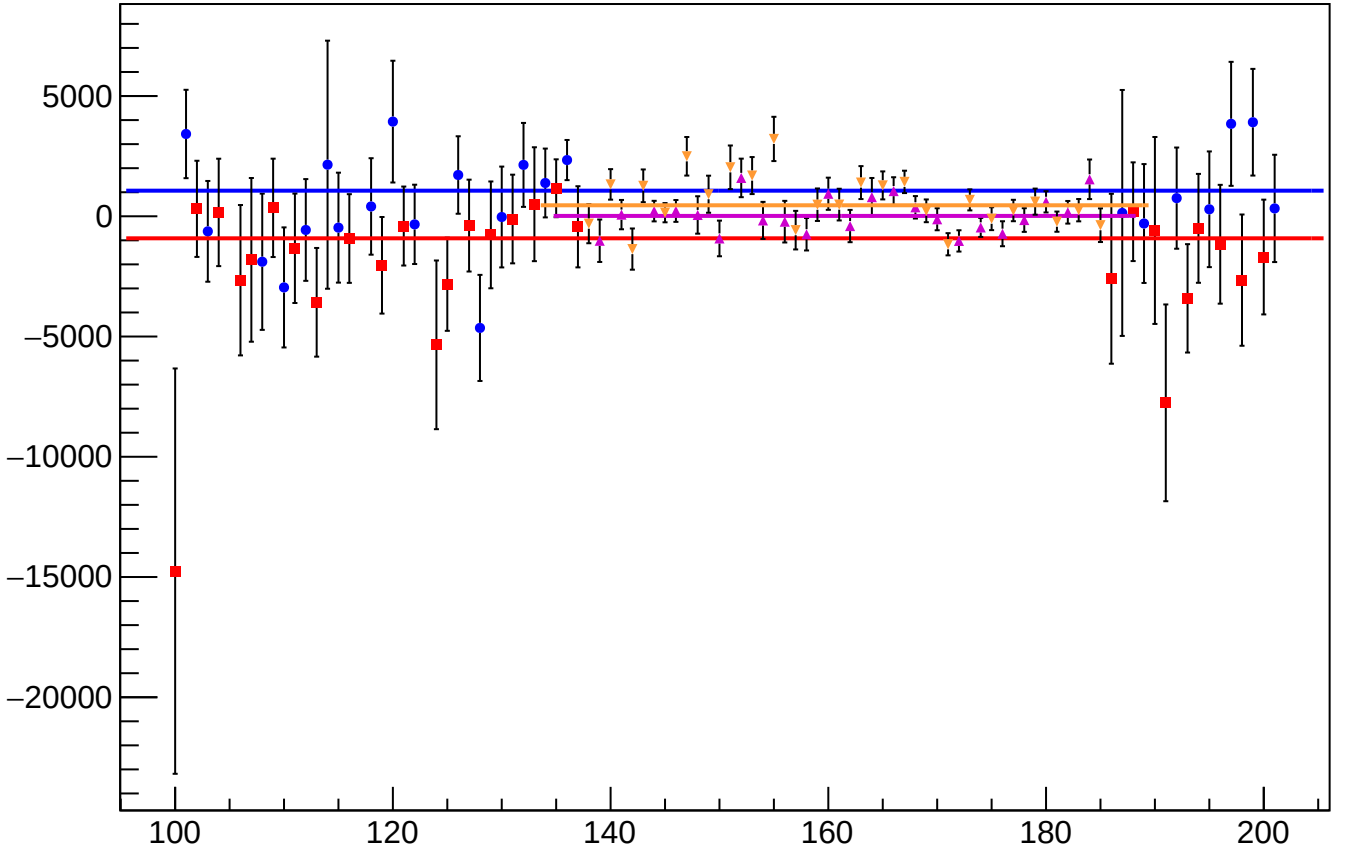
Right: 1370.970+/-0.202 χ^2/NDF: 5665547.8/50

In: 535.127+/-0.078 χ^2/NDF:13320572.4/45

Out: 540.885+/-0.076 χ^2/NDF:15427813.1/52

All: 538.060+/-0.054 χ^2/NDF: 28751185.0/98

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: -916.064+/-413.700 χ^2/NDF: 17.3/27

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

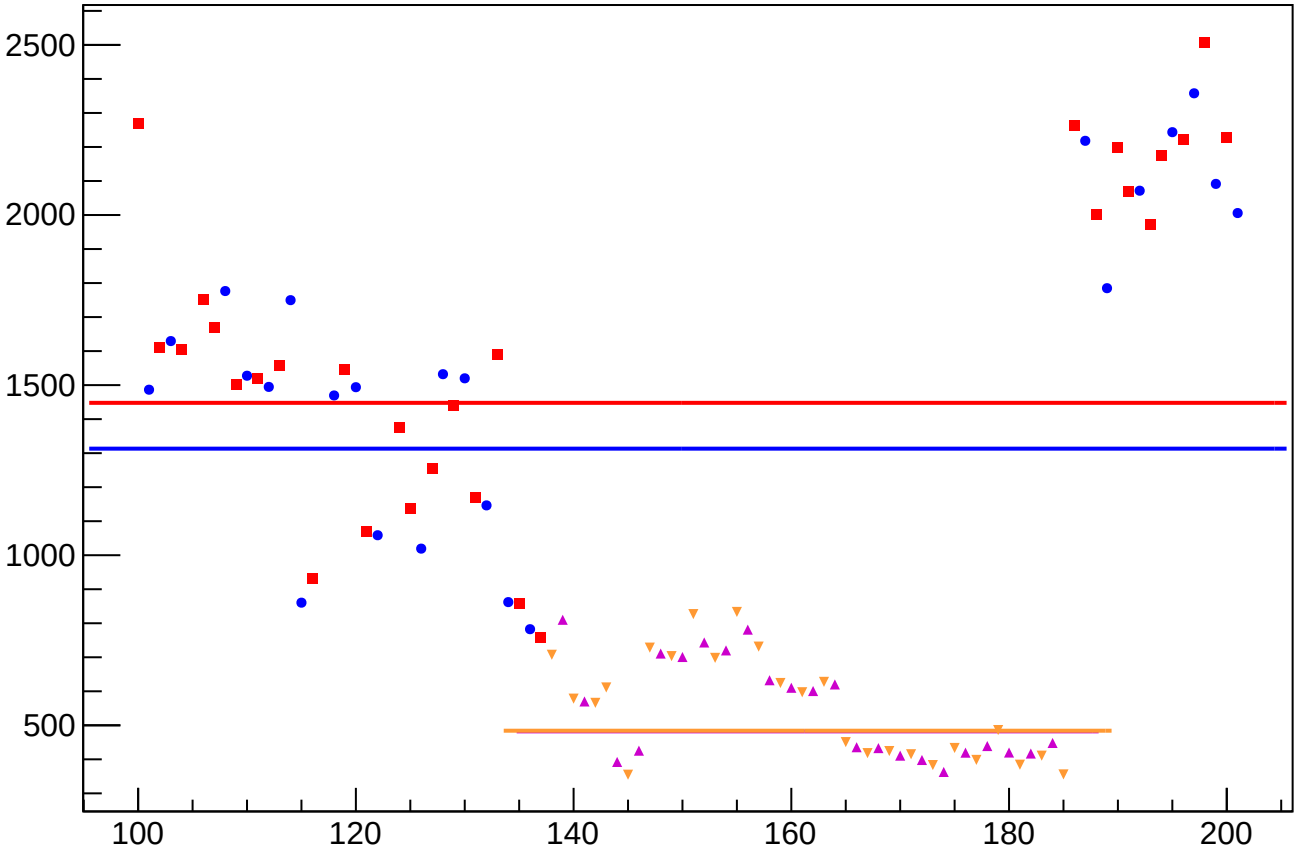
Right: 108.491+/-287.453 χ^2/NDF: 51.6/50

In: 97.551+/-112.024 χ^2/NDF:59.1/45

Out: 359.806+/-110.218 χ^2/NDF:86.9/52

All: 230.808+/-78.567 χ^2/NDF: 148.8/98

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: 1447.897+/-0.293 χ^2/NDF: 2683858.6/27

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

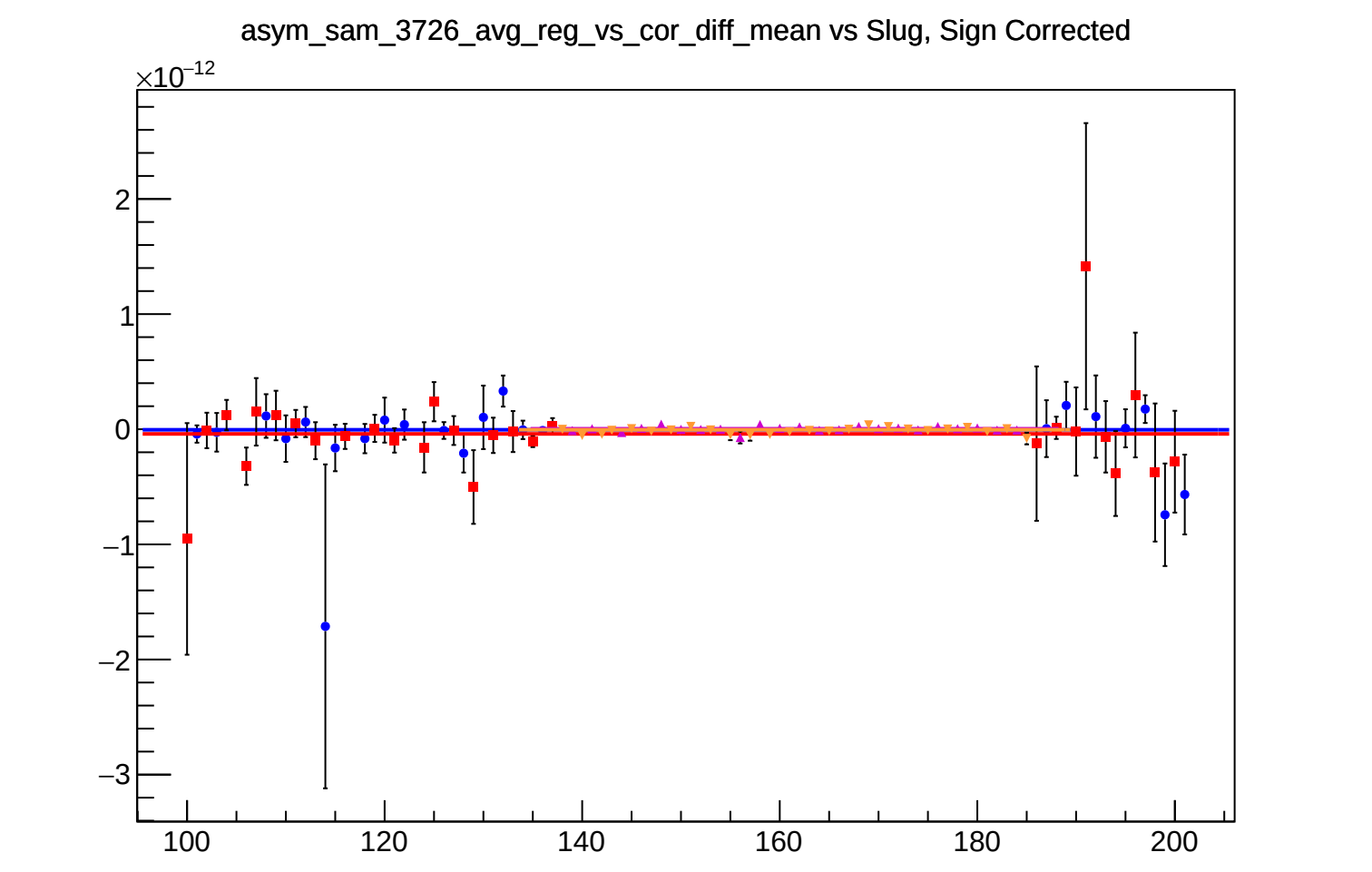
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1378.254+/-0.203 χ^2/NDF: 5695131.3/50

In: 547.442+/-0.079 χ^2/NDF:13055895.2/45

Out: 552.536+/-0.078 χ^2/NDF:15316269.7/52

All: 550.031+/-0.056 χ^2/NDF: 28374266.7/98



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: 19.1/27

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

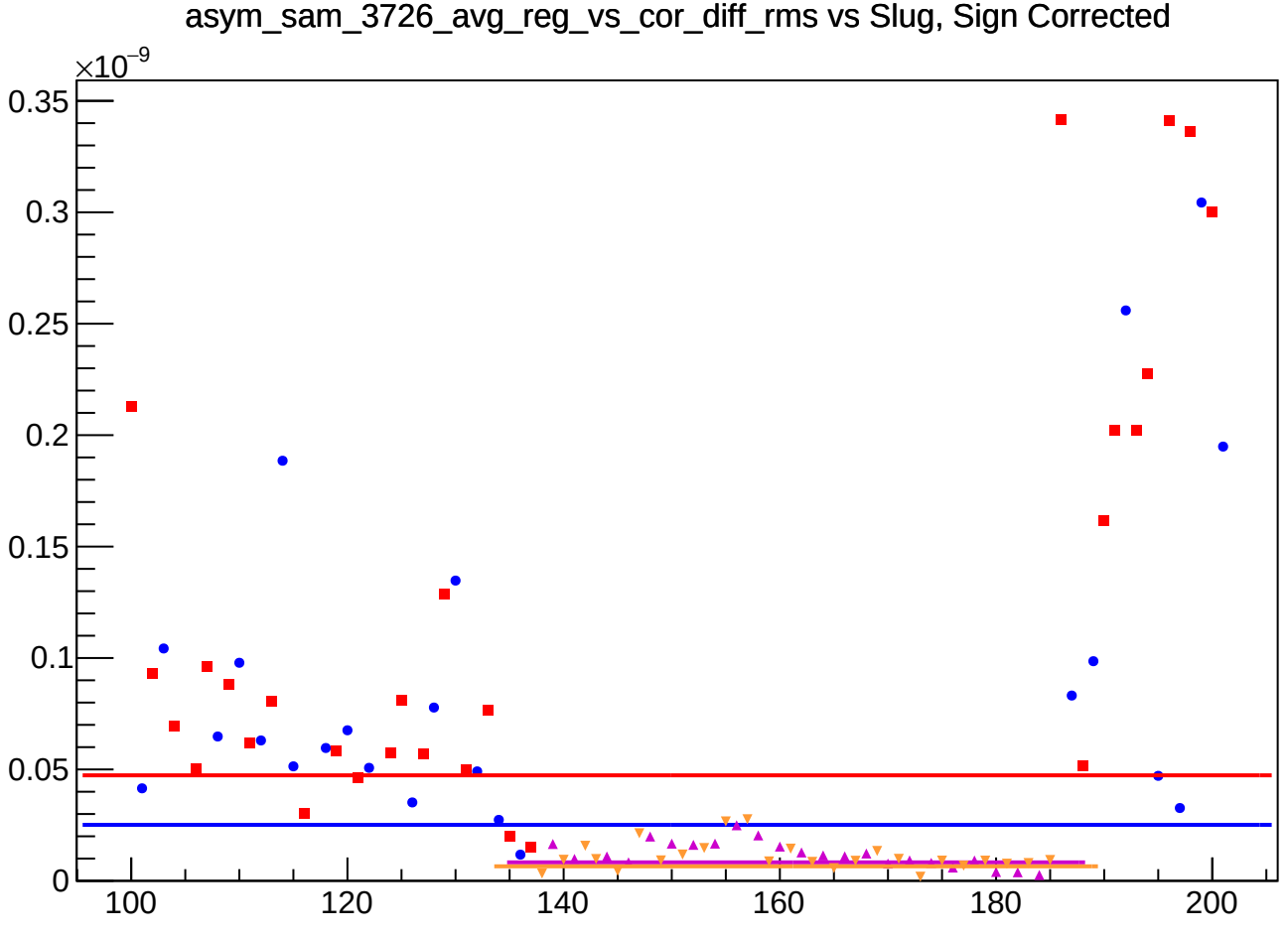
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/50

In: 0.000+/-0.000 χ^2/NDF:35.8/45

Out: -0.000+/-0.000 χ^2/NDF:52.1/52

All: -0.000+/-0.000 χ^2/NDF: 91.3/98



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: 5225759.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

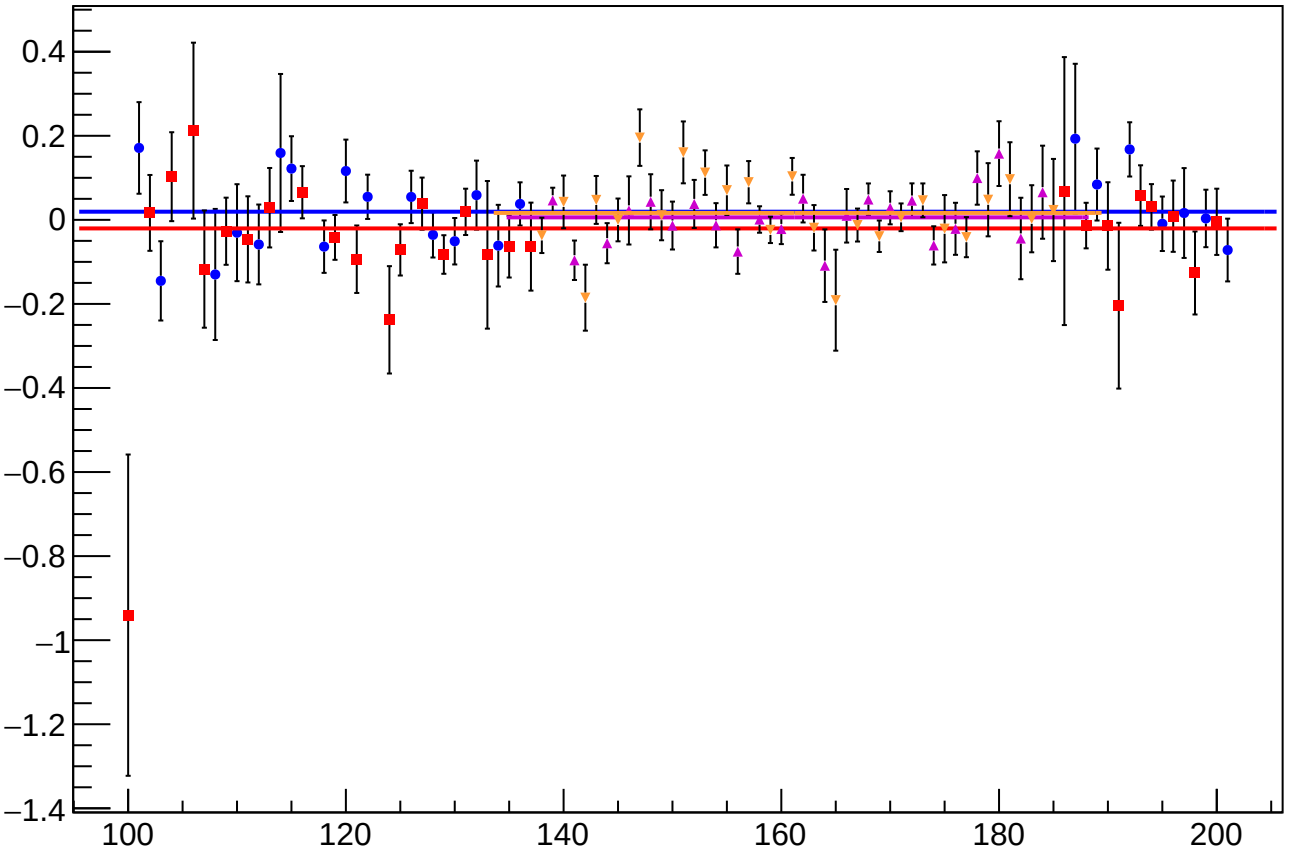
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11673643.6/50

In: 0.000+/-0.000 χ^2/NDF:10089442.6/45

Out: 0.000+/-0.000 χ^2/NDF:13924428.5/52

All: 0.000+/-0.000 χ^2/NDF: 24342164.8/98



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: 24.1/27

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

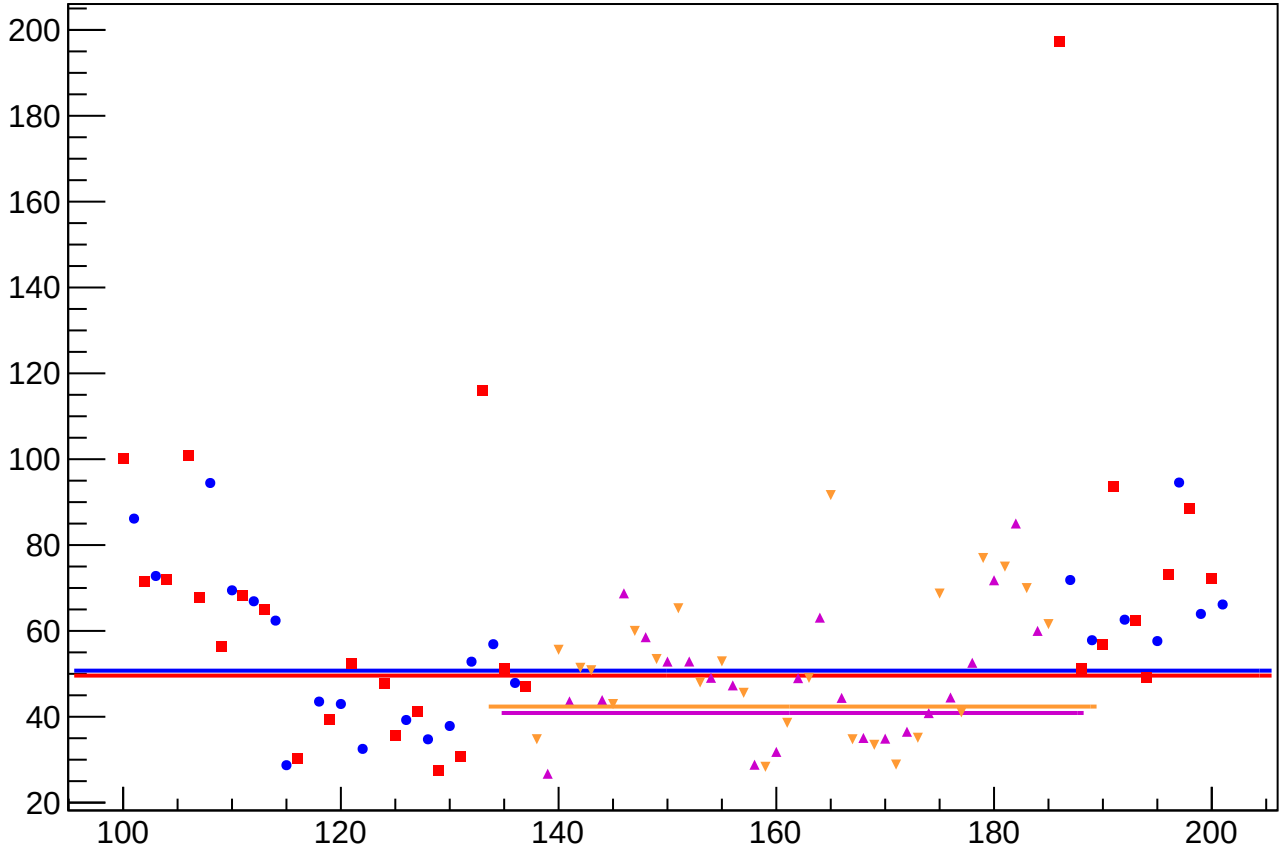
Right: -0.001+/-0.011 χ^2/NDF: 53.1/50

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.007+/-0.006 χ^2/NDF: 121.6/98

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: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

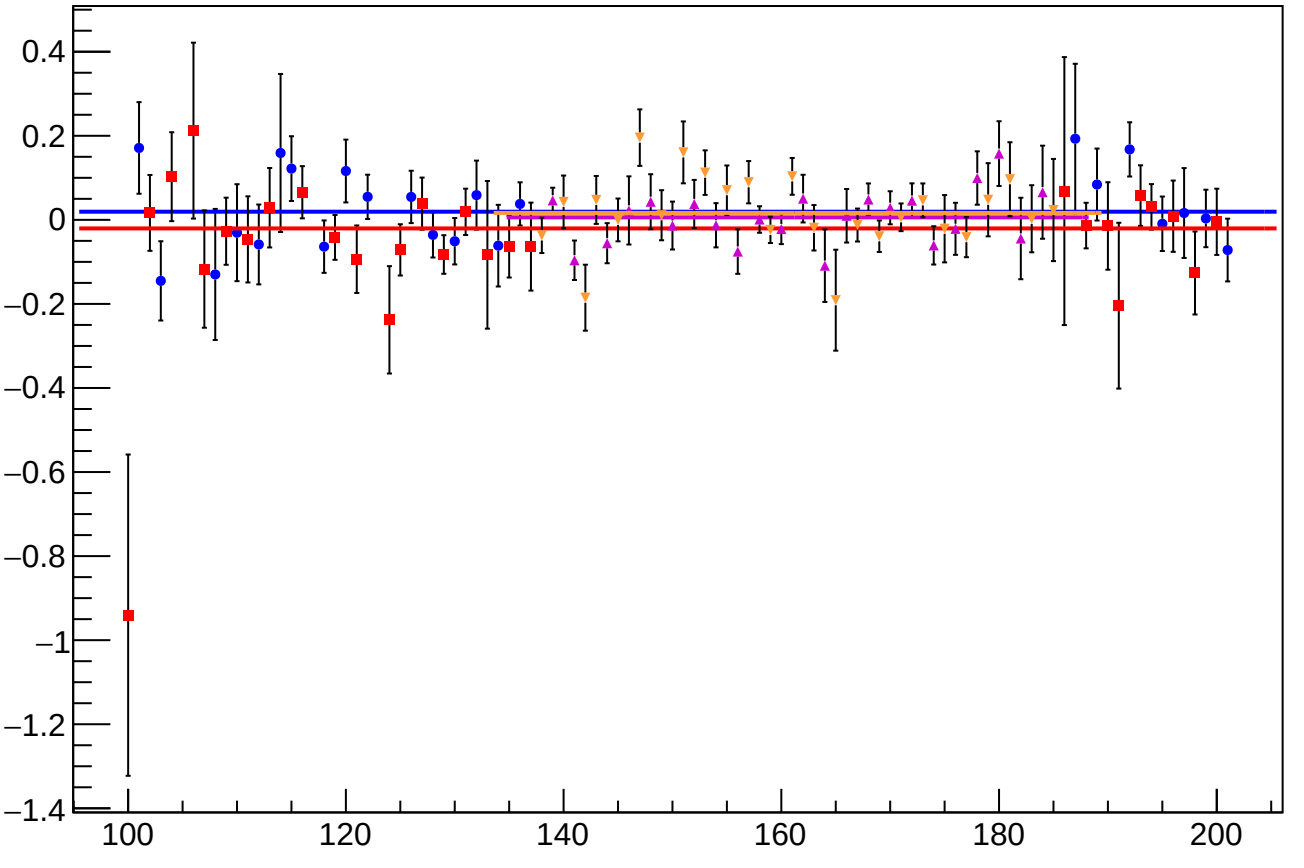
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 50.138+/-0.008 χ^2/NDF: 5212931.4/50

In: 43.866+/-0.006 χ^2/NDF:5279861.3/45

Out: 44.732+/-0.006 χ^2/NDF:6671396.3/52

All: 44.304+/-0.004 χ^2/NDF: 11961538.7/98



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: 24.1/27

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

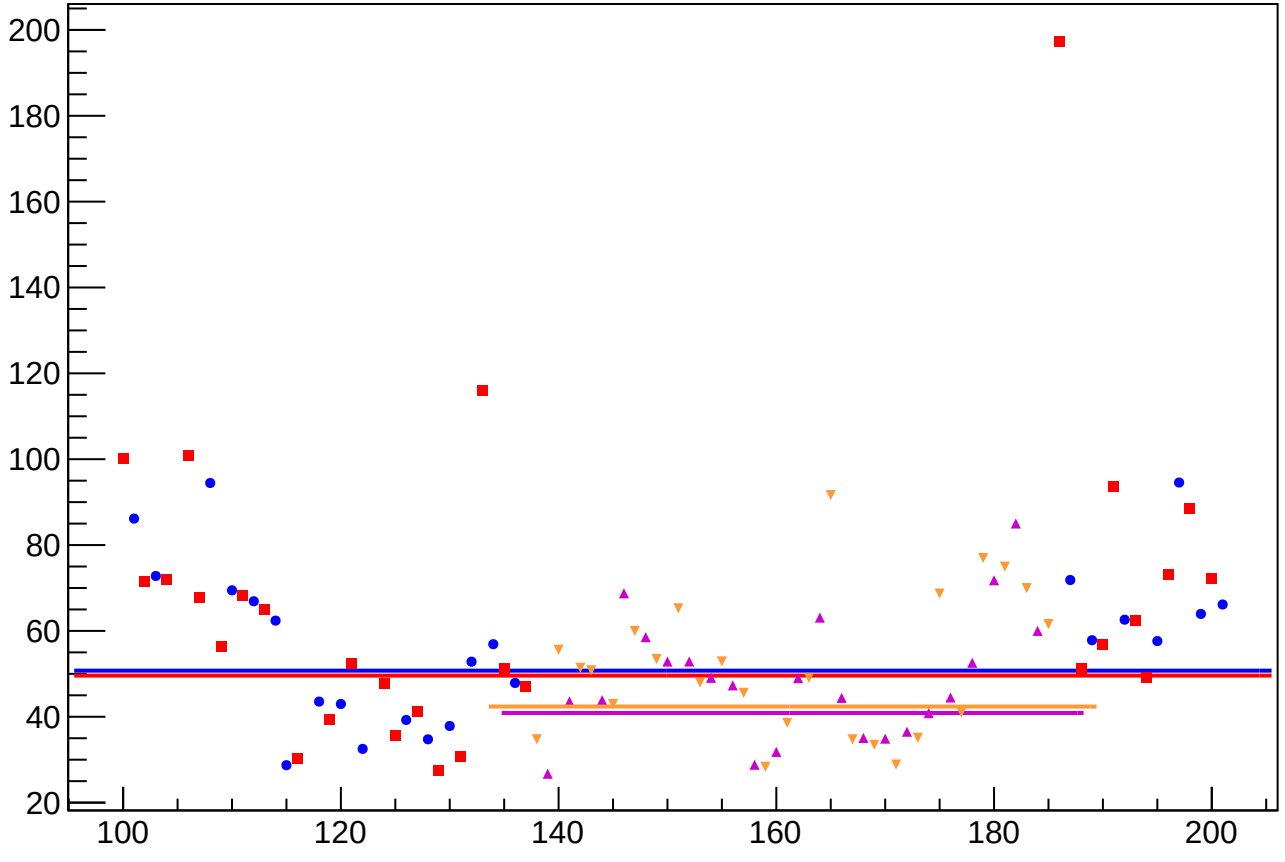
Right: -0.001+/-0.011 χ^2/NDF: 53.1/50

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.007+/-0.006 χ^2/NDF: 121.6/98

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: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

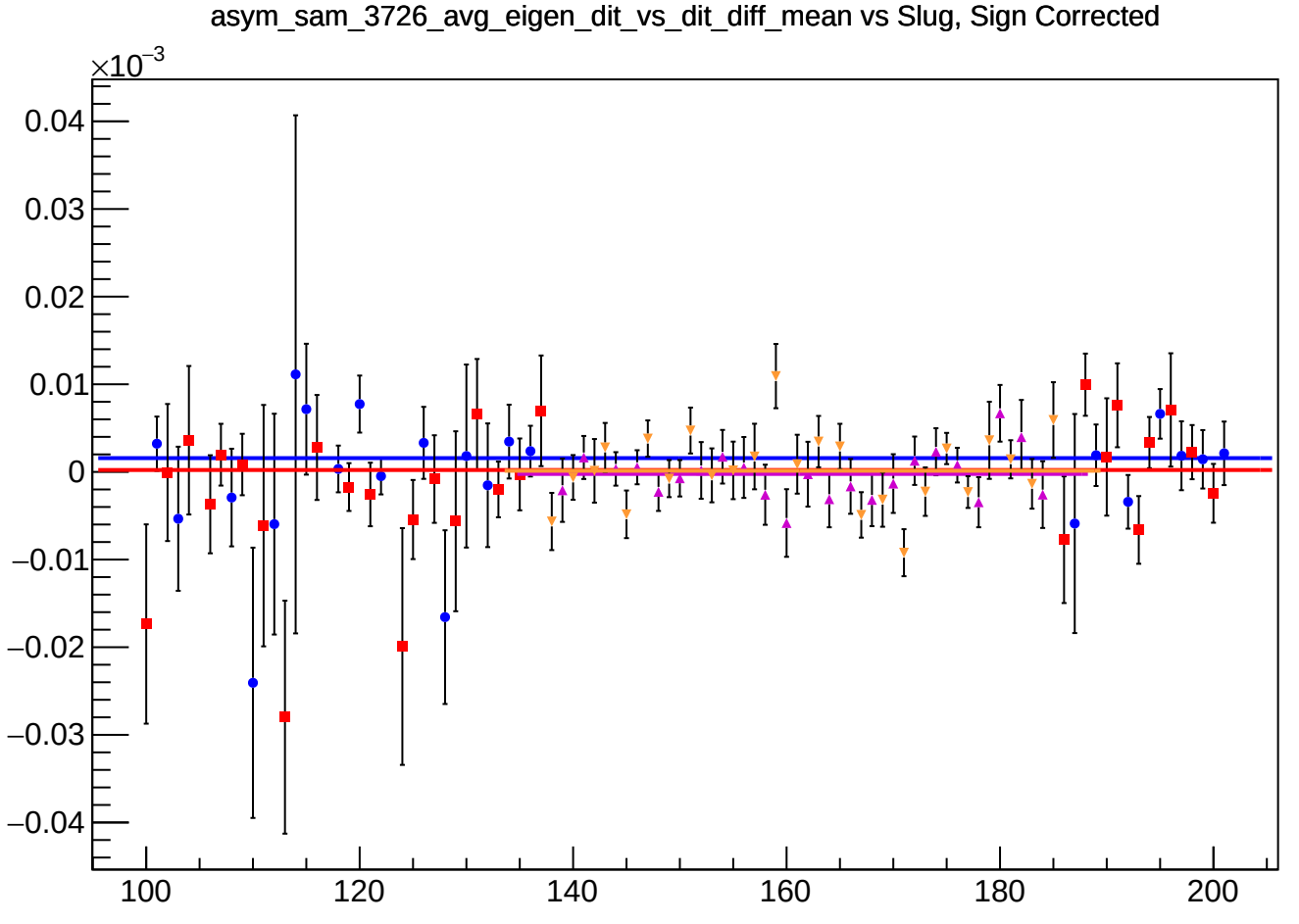
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 50.138+/-0.008 χ^2/NDF: 5212931.4/50

In: 43.866+/-0.006 χ^2/NDF:5279861.3/45

Out: 44.732+/-0.006 χ^2/NDF:6671396.3/52

All: 44.304+/-0.004 χ^2/NDF: 11961538.7/98



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: 33.8/27

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

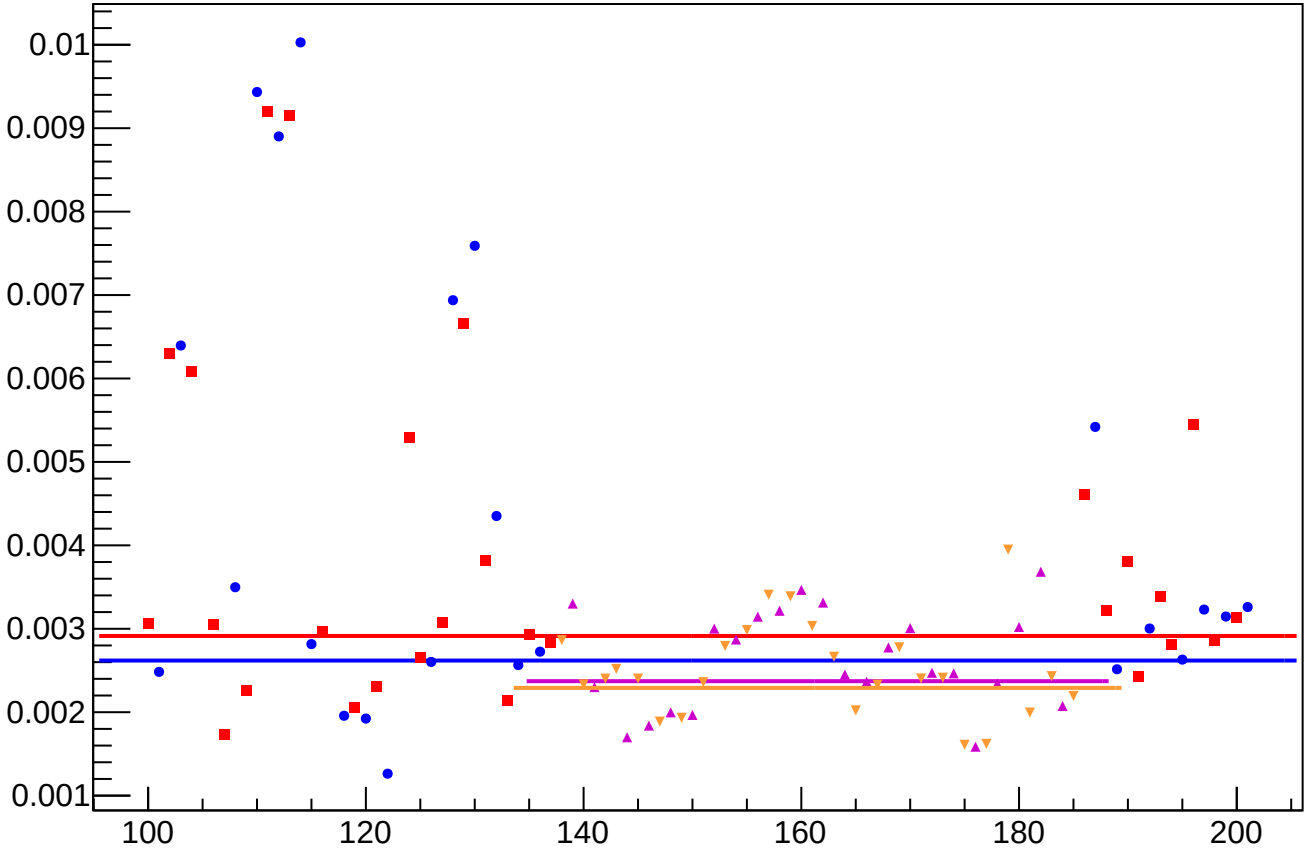
Right: 0.000+/-0.000 χ^2/NDF: 55.5/50

In: 0.000+/-0.000 χ^2/NDF:39.5/45

Out: 0.000+/-0.000 χ^2/NDF:83.7/52

All: 0.000+/-0.000 χ^2/NDF: 123.3/98

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 3091501.0/27

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

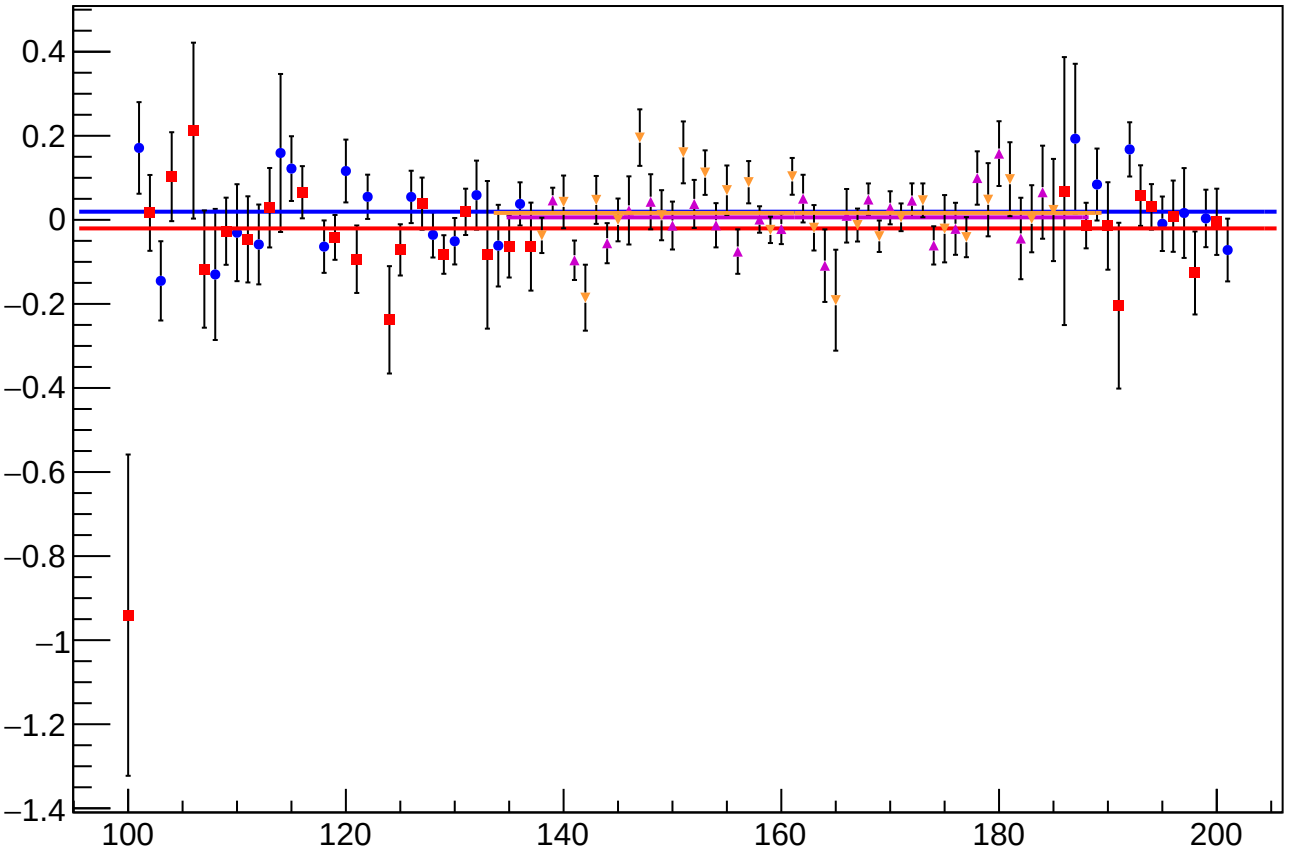
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 7017332.0/50

In: 0.002+/-0.000 χ^2/NDF:5944119.6/45

Out: 0.002+/-0.000 χ^2/NDF:5666888.5/52

All: 0.002+/-0.000 χ^2/NDF: 11611870.1/98



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: 24.1/27

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

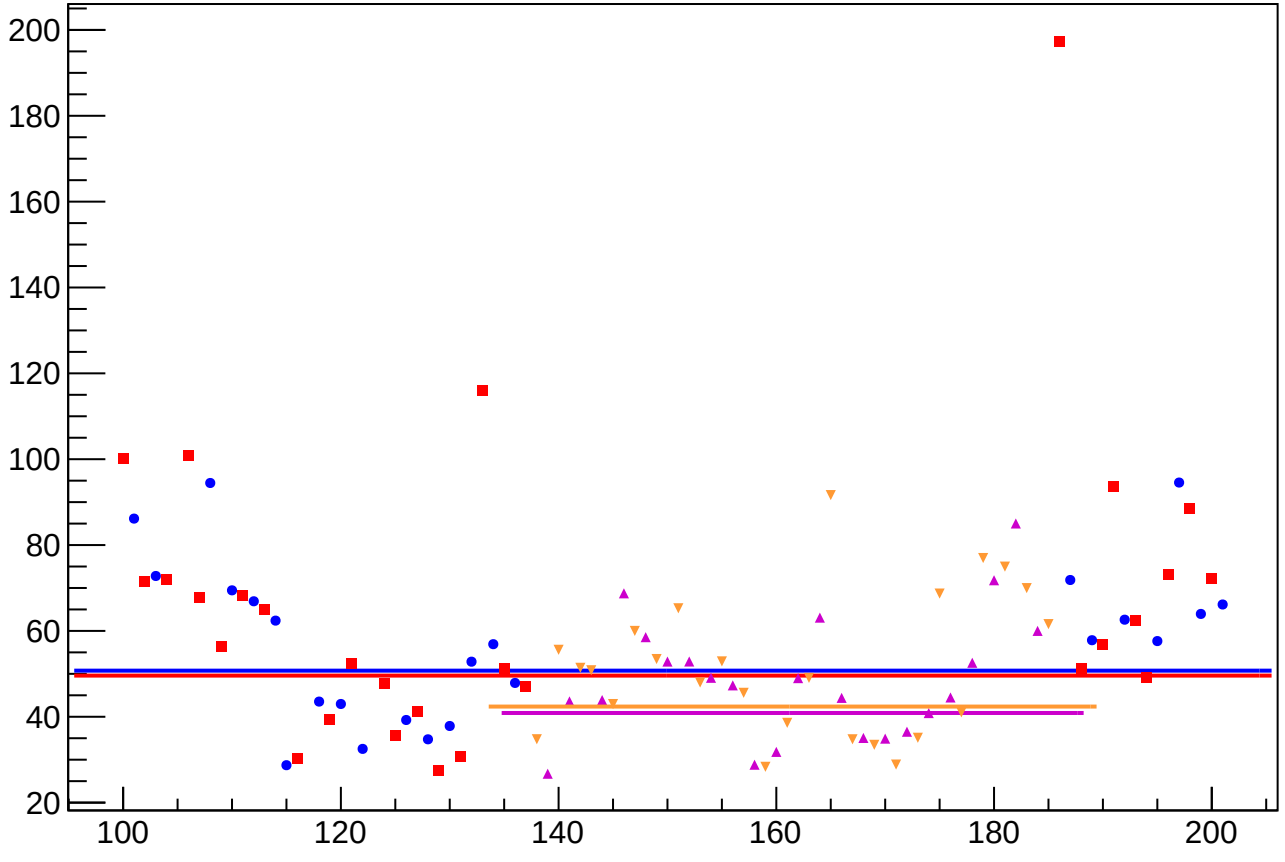
Right: -0.001+/-0.011 χ^2/NDF: 53.1/50

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.007+/-0.006 χ^2/NDF: 121.6/98

asym_sam_3726_avg_eigen_dit_vs_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: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

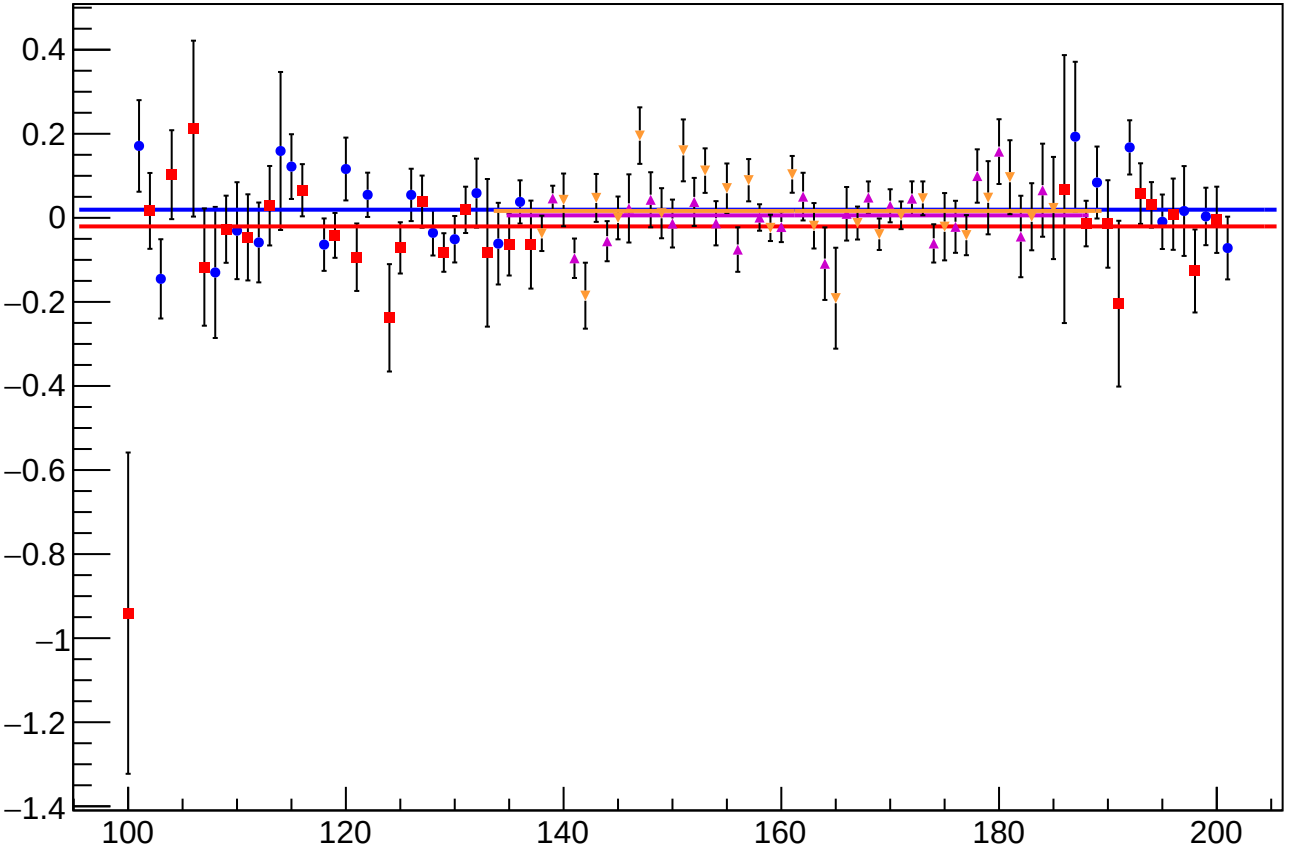
Right: 50.138+/-0.008 χ^2/NDF: 5212764.5/50

In: 43.867+/-0.006 χ^2/NDF:5279788.9/45

Out: 44.732+/-0.006 χ^2/NDF:6671303.4/52

All: 44.304+/-0.004 χ^2/NDF: 11961373.9/98

asym_sam_3726_avg_eigen_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: 24.1/27

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

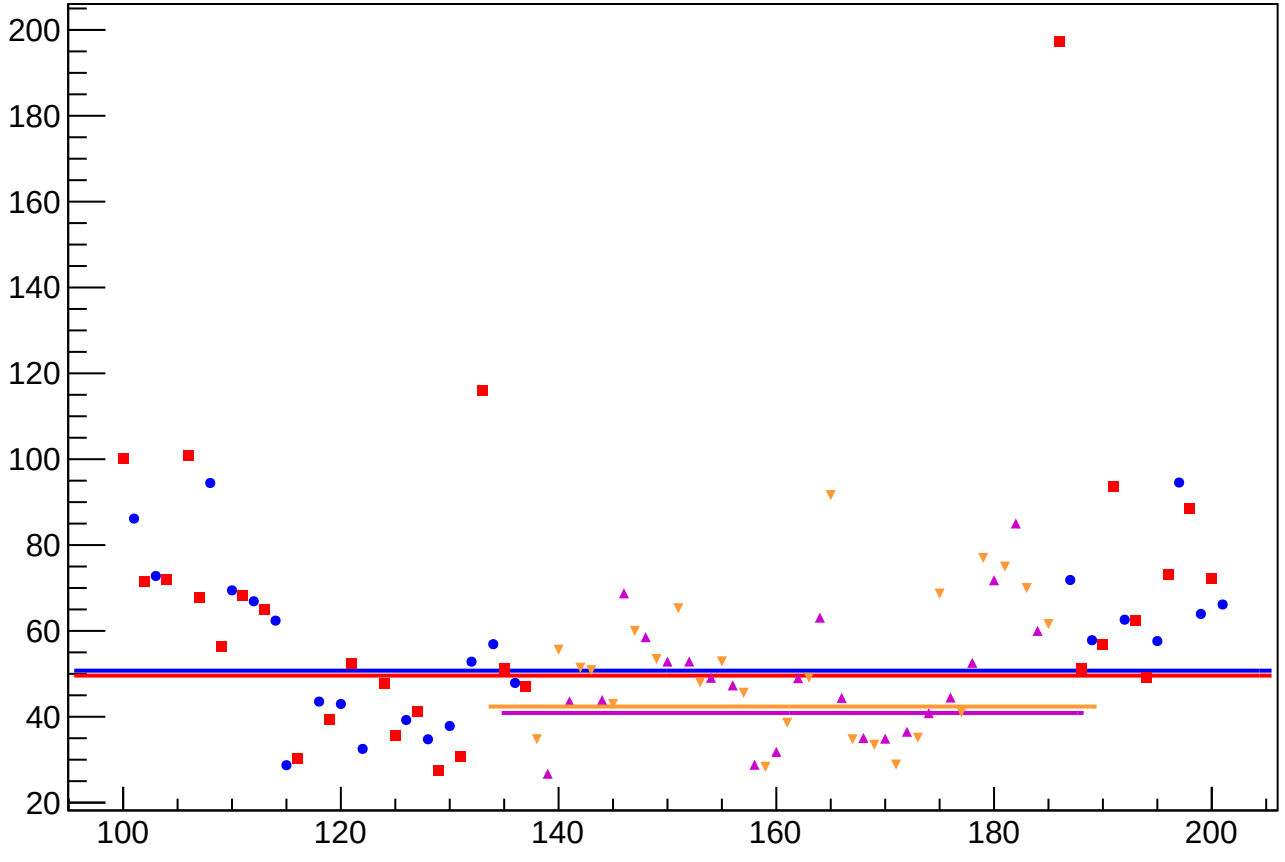
Right: -0.001+/-0.011 χ^2/NDF: 53.1/50

In: 0.010+/-0.009 χ^2/NDF:52.0/45

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.007+/-0.006 χ^2/NDF: 121.6/98

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: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

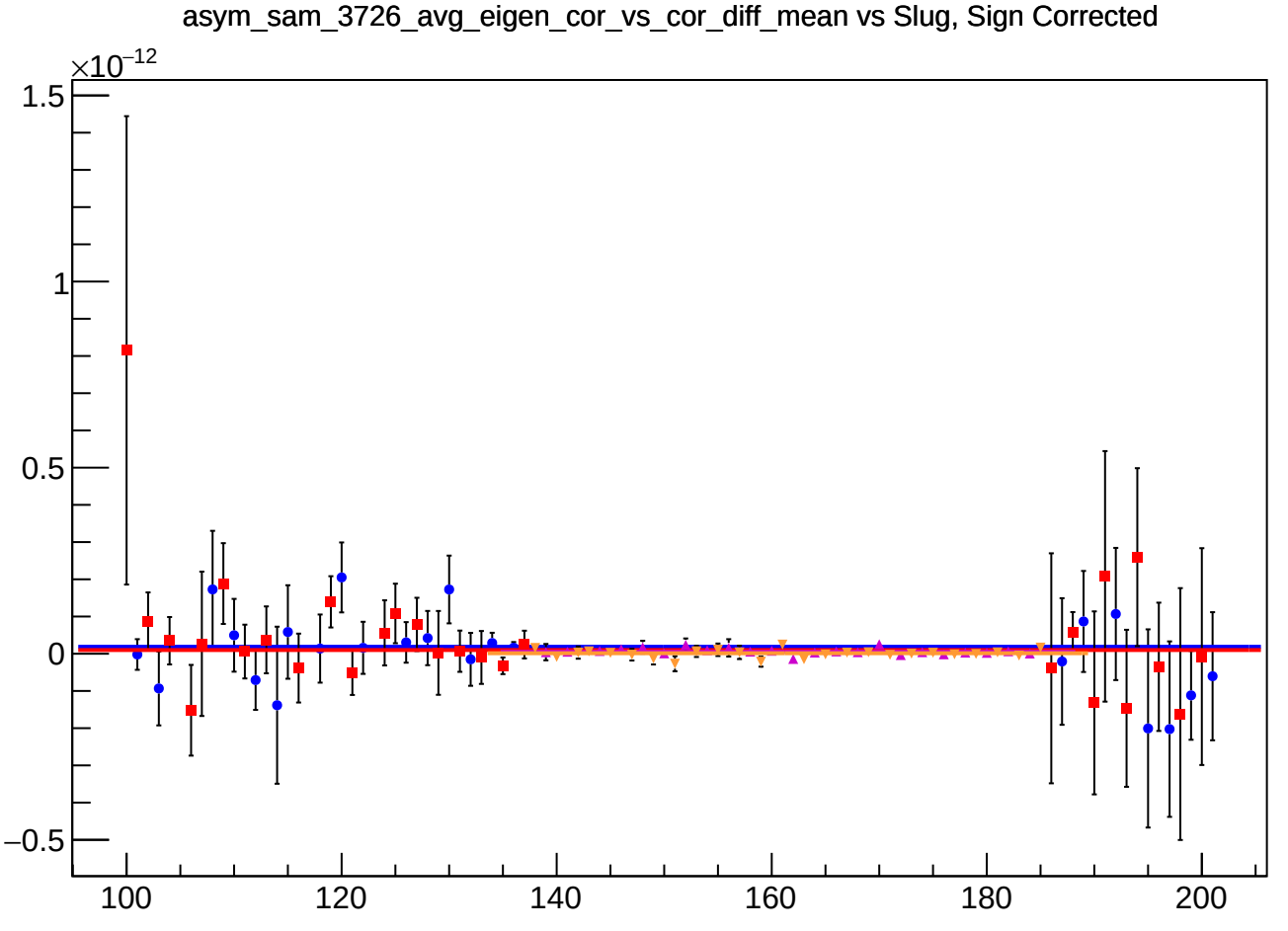
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 50.138+/-0.008 χ^2/NDF: 5212764.5/50

In: 43.867+/-0.006 χ^2/NDF:5279788.9/45

Out: 44.732+/-0.006 χ^2/NDF:6671303.4/52

All: 44.304+/-0.004 χ^2/NDF: 11961373.9/98



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: 22.2/27

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

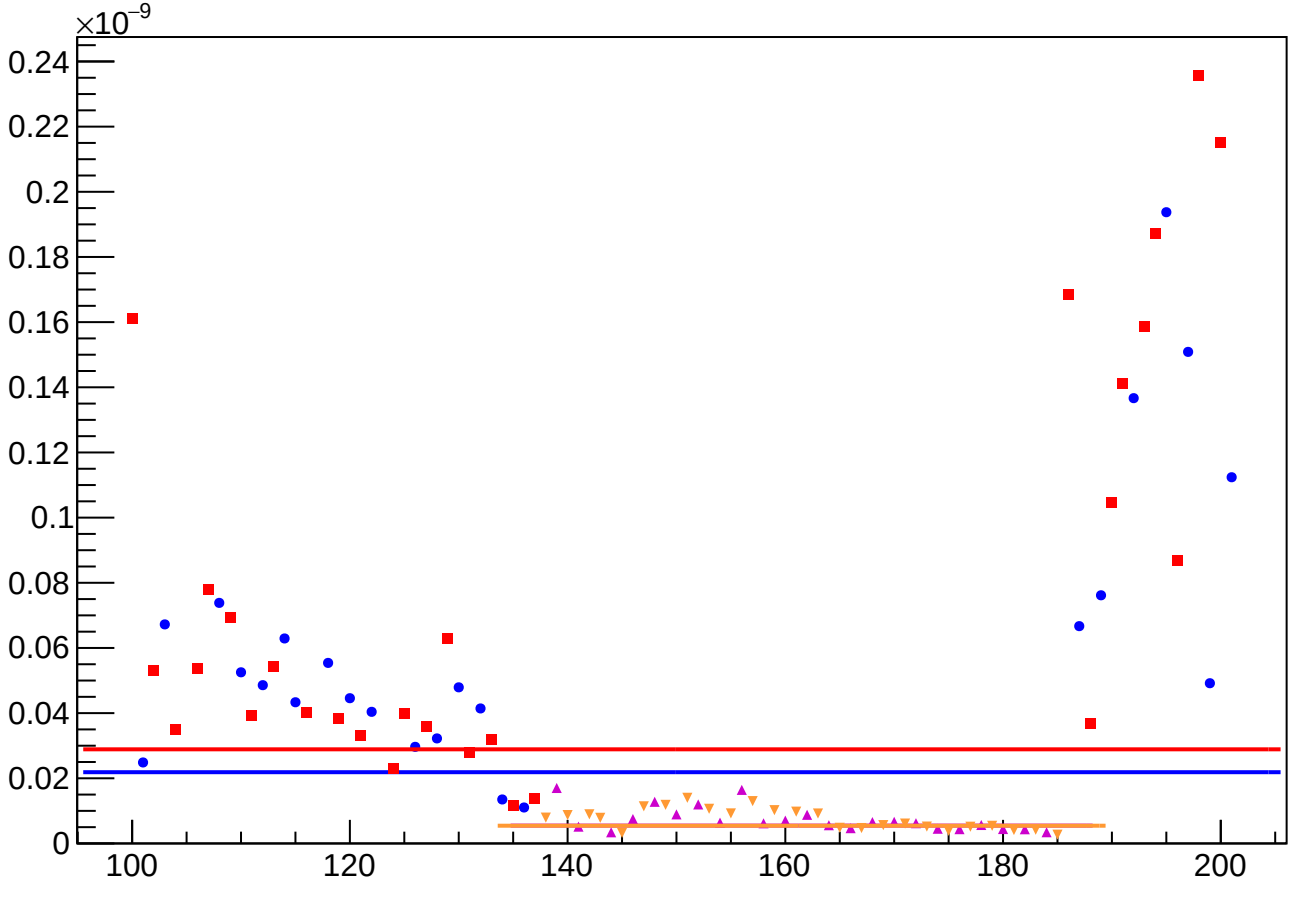
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/50

In: 0.000+/-0.000 χ^2/NDF:30.0/45

Out: 0.000+/-0.000 χ^2/NDF:42.3/52

All: 0.000+/-0.000 χ^2/NDF: 74.8/98



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: 7113972.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

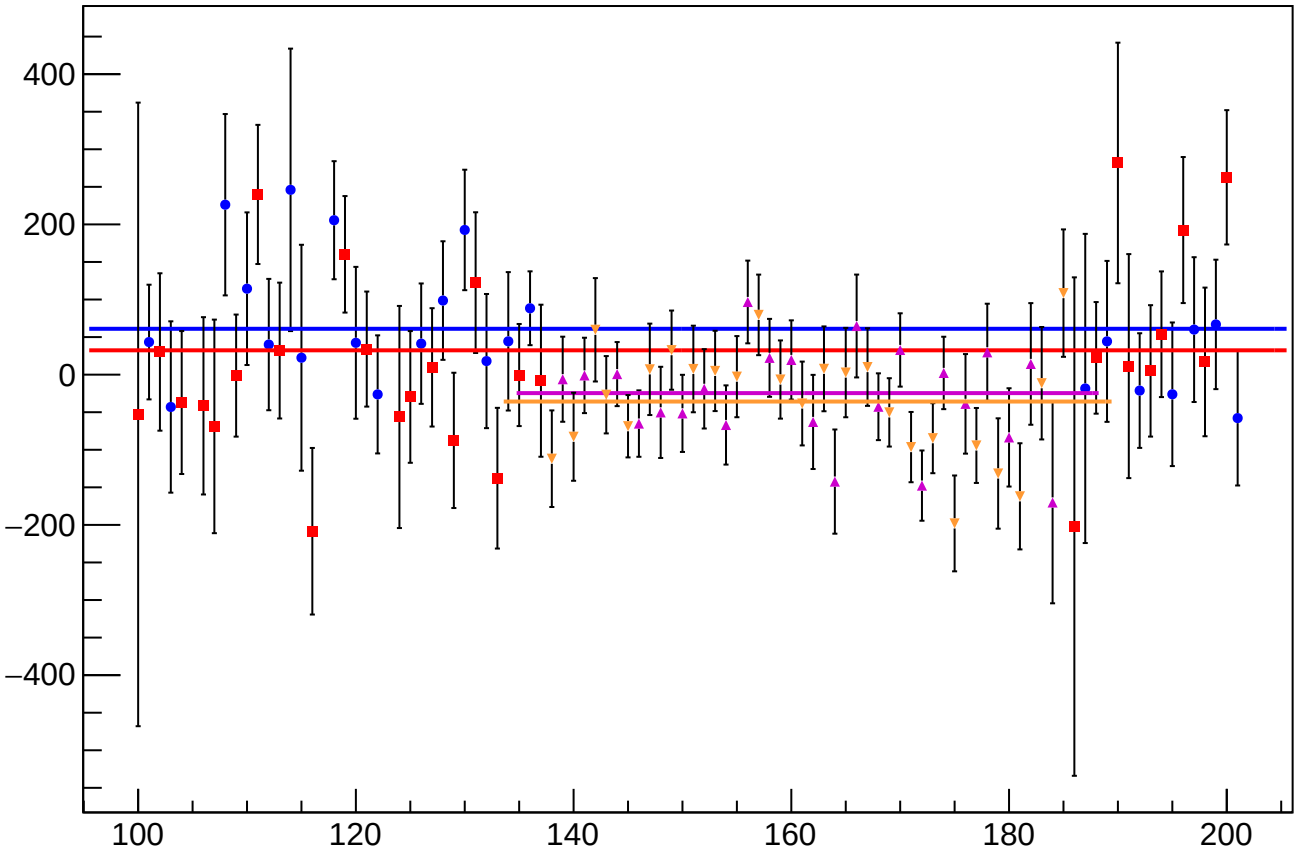
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14155518.6/50

In: 0.000+/-0.000 χ^2/NDF:13830614.9/45

Out: 0.000+/-0.000 χ^2/NDF:17155151.2/52

All: 0.000+/-0.000 χ^2/NDF: 30986798.7/98



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: 32.385+/-18.194 χ^2/NDF: 33.9/27

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

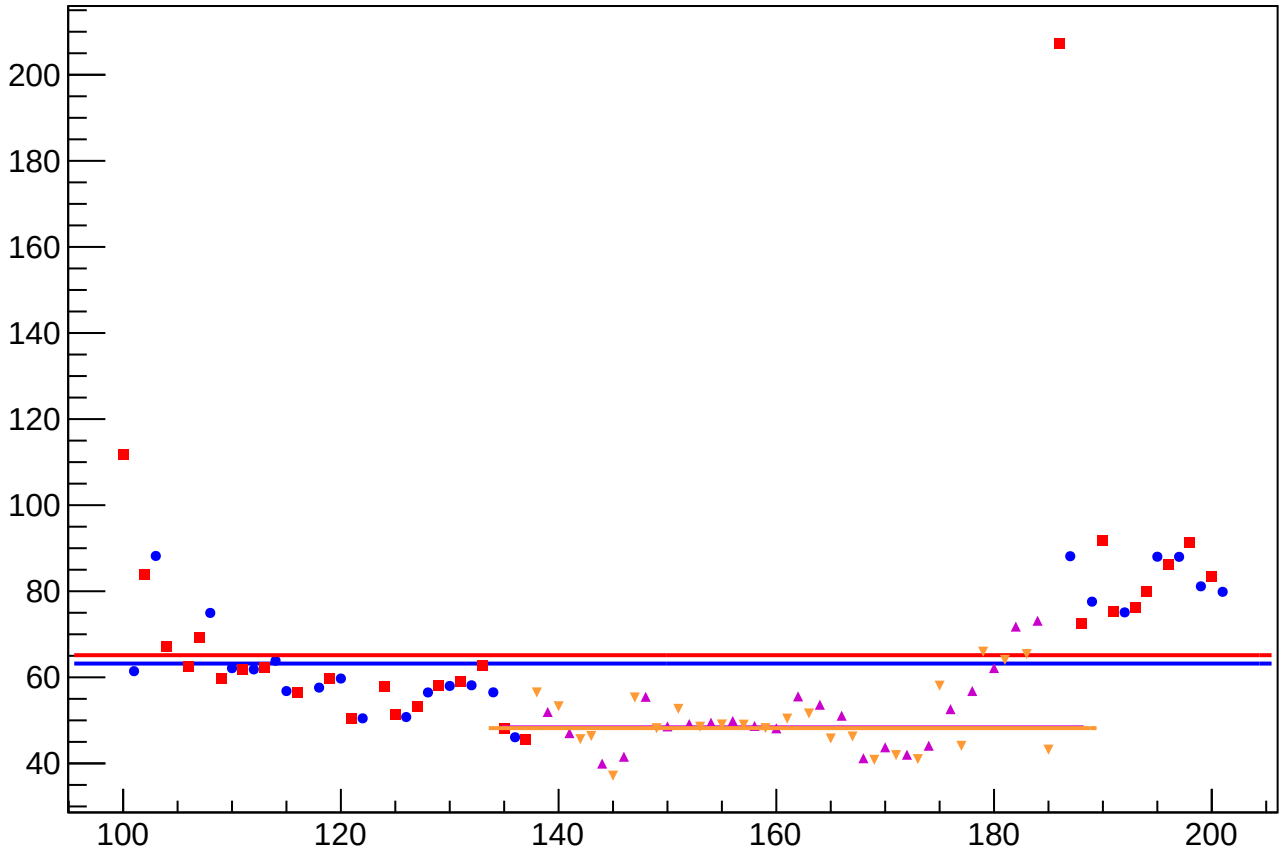
Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

Right: 46.488+/-12.966 χ^2/NDF: 51.4/50

In: -0.766+/-9.747 χ^2/NDF:57.5/45

Out: -17.248+/-9.488 χ^2/NDF:77.9/52

All: -9.229+/-6.799 χ^2/NDF: 136.8/98



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: 65.145+/-0.013 χ^2/NDF: 1386598.2/27

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

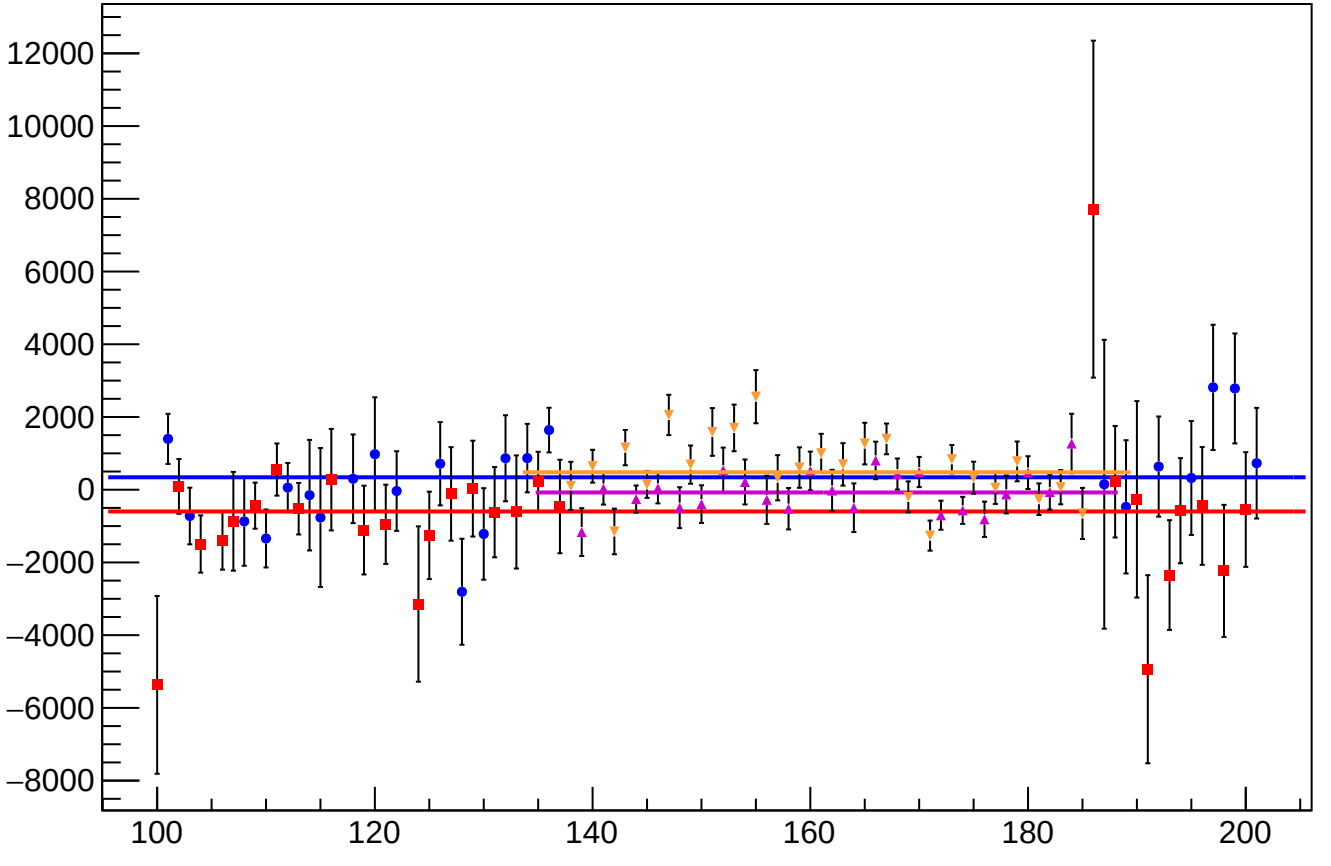
Right: 64.188+/-0.009 χ^2/NDF: 2451174.7/50

In: 52.501+/-0.007 χ^2/NDF:2676806.1/45

Out: 52.807+/-0.007 χ^2/NDF:3430252.9/52

All: 52.658+/-0.005 χ^2/NDF: 6108069.6/98

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: -598.530+/-212.581 χ^2/NDF: 21.9/27

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

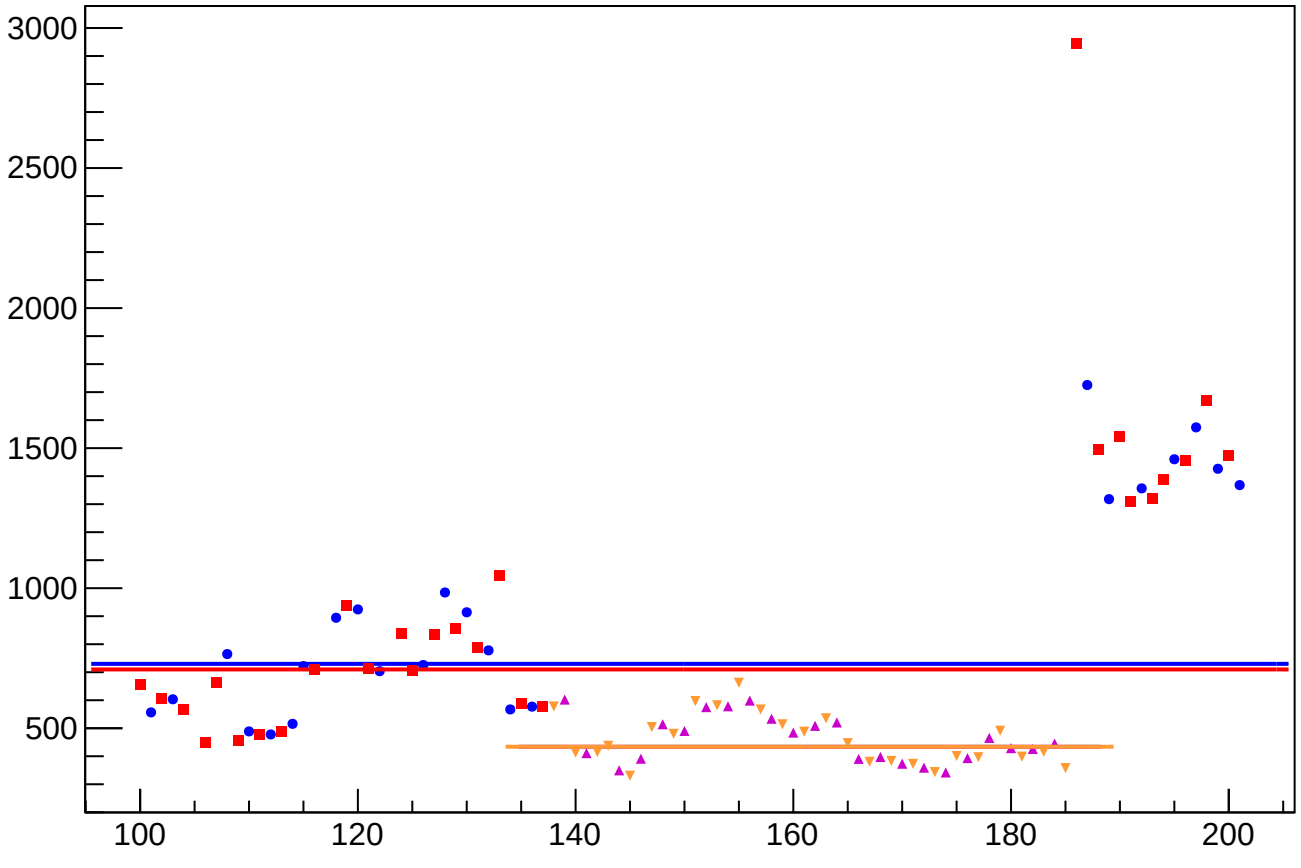
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -155.829+/-154.641 χ^2/NDF: 58.0/50

In: -3.393+/-93.776 χ^2/NDF:54.1/45

Out: 283.074+/-90.877 χ^2/NDF:112.2/52

All: 144.337+/-65.261 χ^2/NDF: 171.1/98



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: 709.921+/-0.150 χ^2/NDF: 4844452.0/27

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

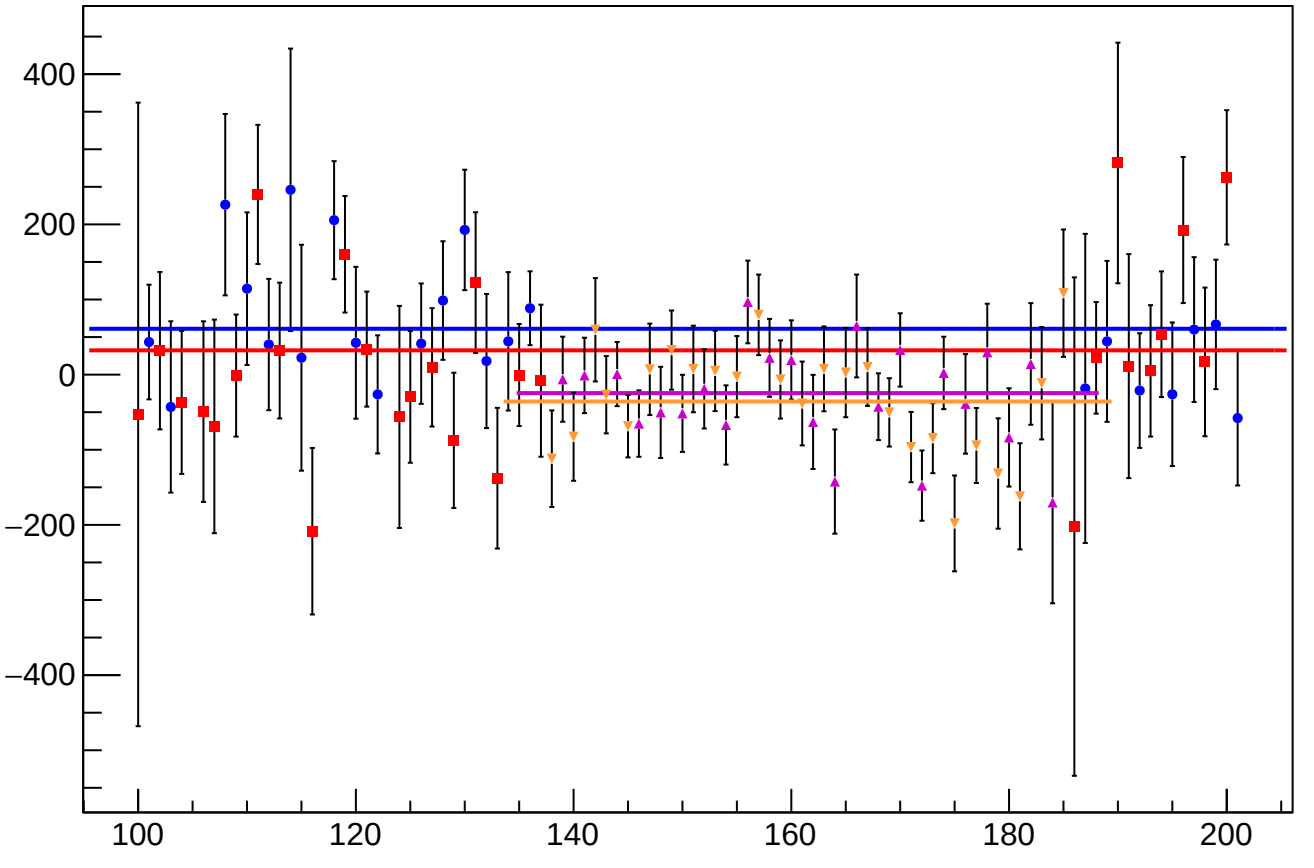
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 719.305+/-0.109 χ^2/NDF: 8332093.5/50

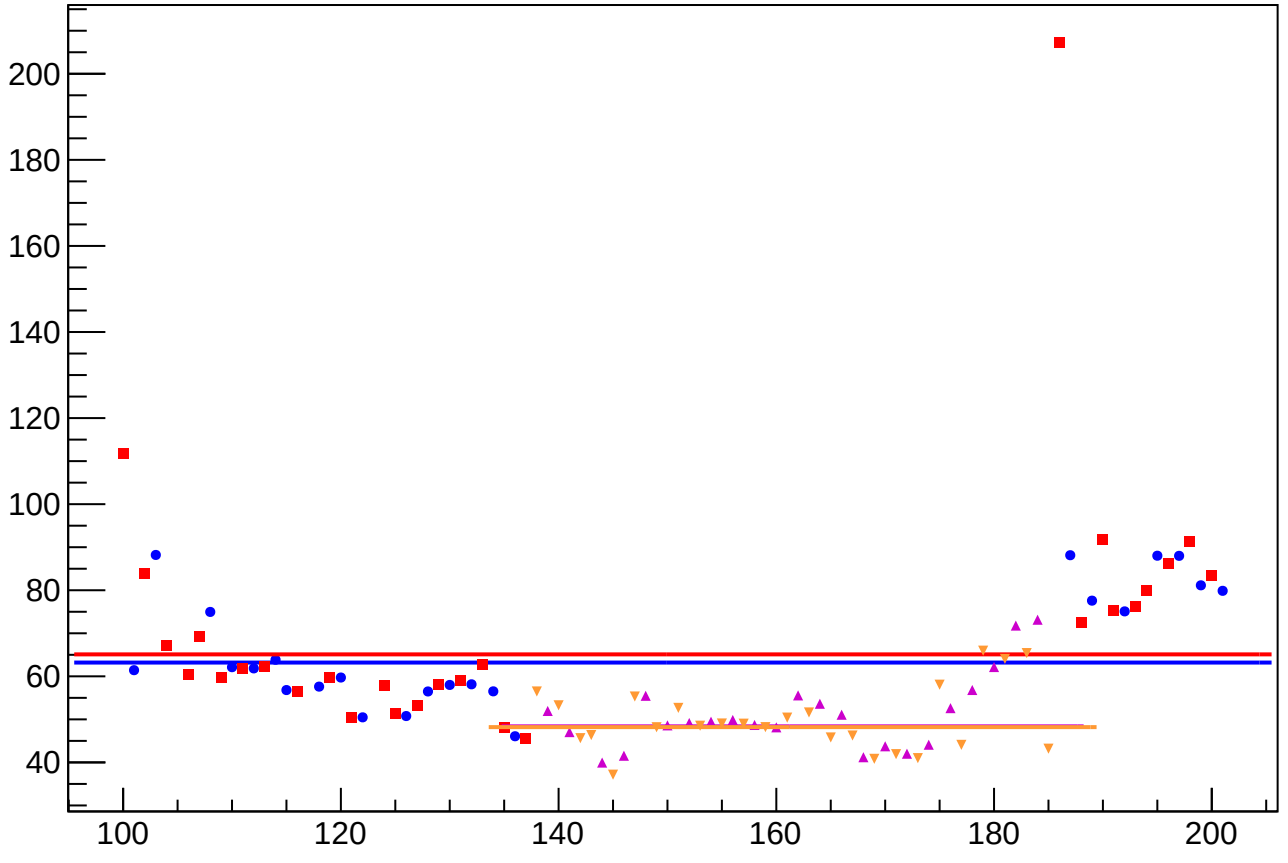
In: 484.993+/-0.066 χ^2/NDF:7429339.4/45

Out: 484.380+/-0.064 χ^2/NDF:8842882.6/52

All: 484.677+/-0.046 χ^2/NDF: 16272266.1/98


cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 61.047+/-18.484 χ²/NDF: 16.3/22
Left Out: -35.792+/-11.119 χ²/NDF:33.7/24
Right Out: 32.325+/-18.202 χ²/NDF: 34.0/27
Left In: -24.573+/-11.471 χ²/NDF:25.7/22
Left: -30.357+/-7.984 χ²/NDF: 59.9/47
Right: 46.466+/-12.969 χ²/NDF: 51.5/50
In: -0.765+/-9.747 χ²/NDF:57.5/45
Out: -17.280+/-9.489 χ²/NDF:77.9/52
All: -9.244+/-6.799 χ²/NDF: 136.9/98

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: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

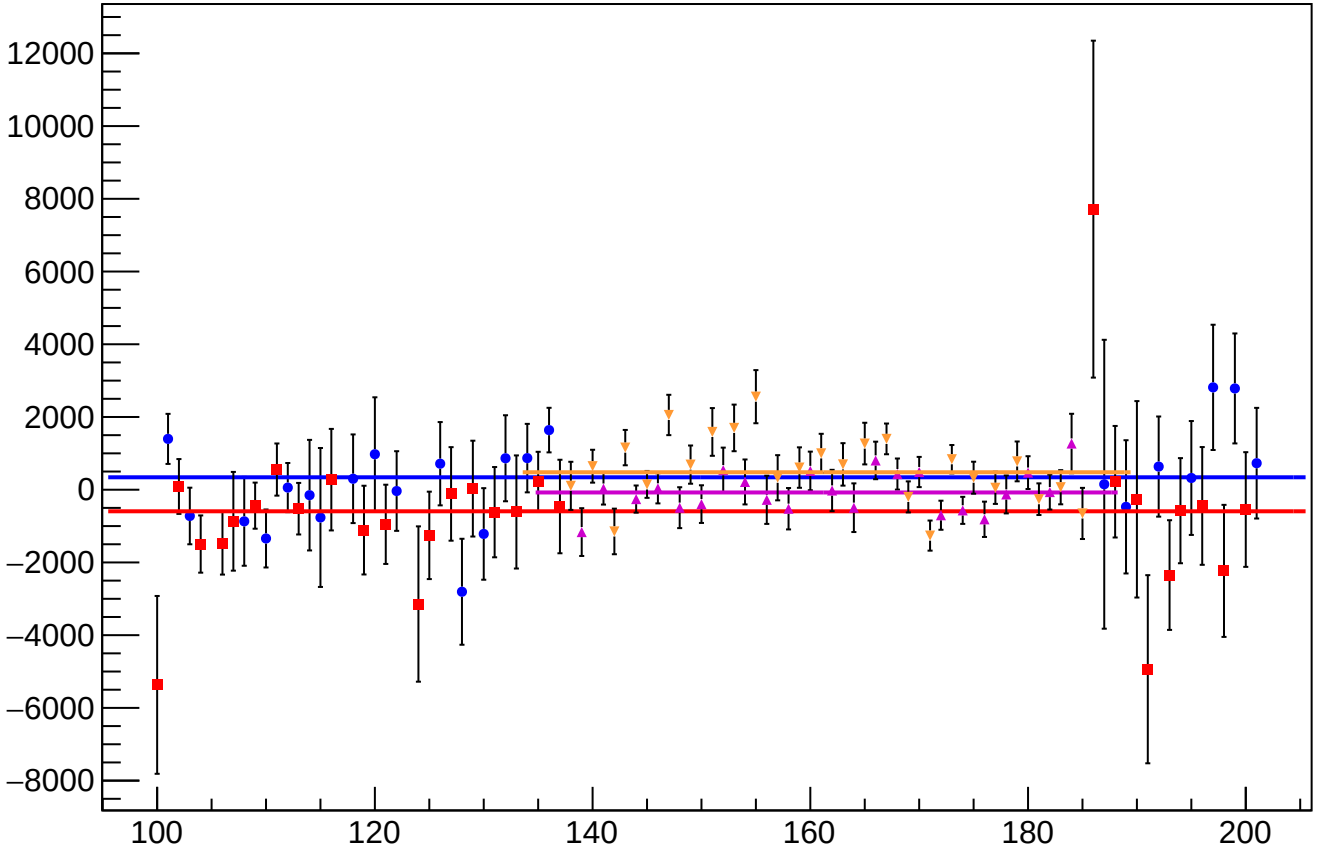
Right: 64.165+/-0.009 χ^2/NDF: 2452908.2/50

In: 52.501+/-0.007 χ^2/NDF:2676810.1/45

Out: 52.792+/-0.007 χ^2/NDF:3425142.6/52

All: 52.650+/-0.005 χ^2/NDF: 6102867.0/98

asym_sam_15_48_dd_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: -593.345+/-213.817 χ^2/NDF: 21.9/27

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

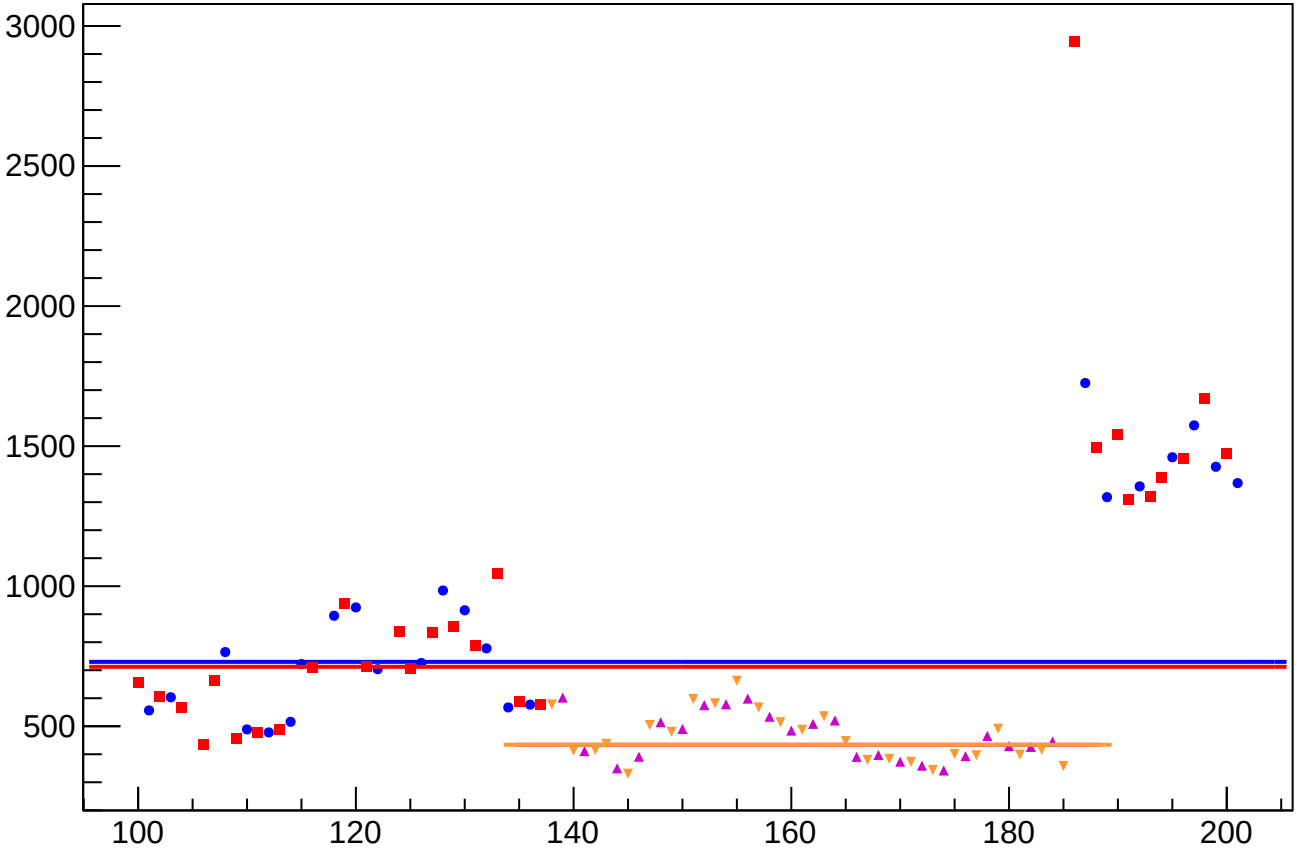
Right: -150.370+/-155.116 χ^2/NDF: 57.8/50

In: -3.391+/-93.777 χ^2/NDF:54.1/45

Out: 285.870+/-90.973 χ^2/NDF:111.8/52

All: 145.628+/-65.296 χ^2/NDF: 170.8/98

asym_sam_15_48_dd_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: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

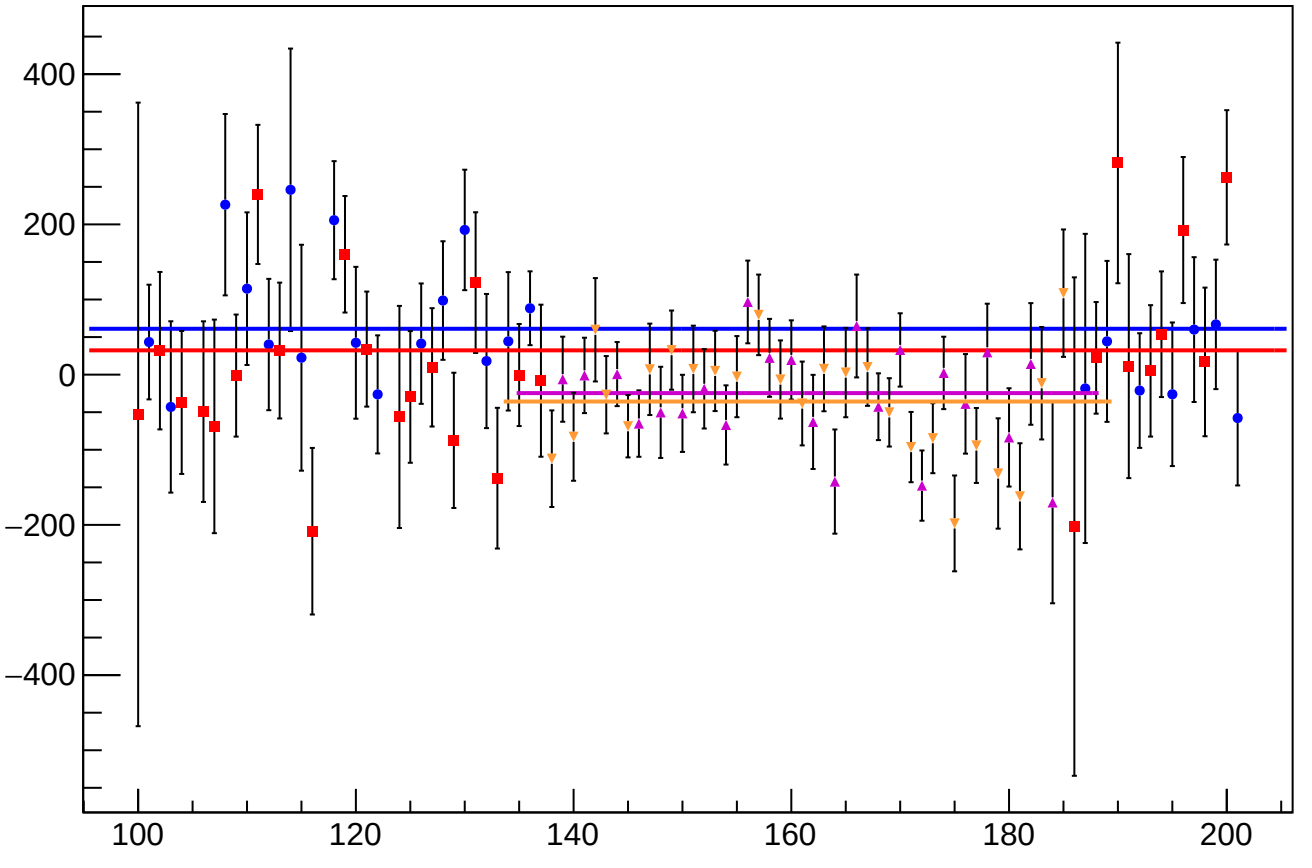
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 720.555+/-0.110 χ^2/NDF: 8313978.7/50

In: 484.994+/-0.066 χ^2/NDF:7429365.1/45

Out: 484.313+/-0.064 χ^2/NDF:8845481.6/52

All: 484.643+/-0.046 χ^2/NDF: 16274901.1/98



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: 32.325+/-18.202 χ^2/NDF: 34.0/27

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

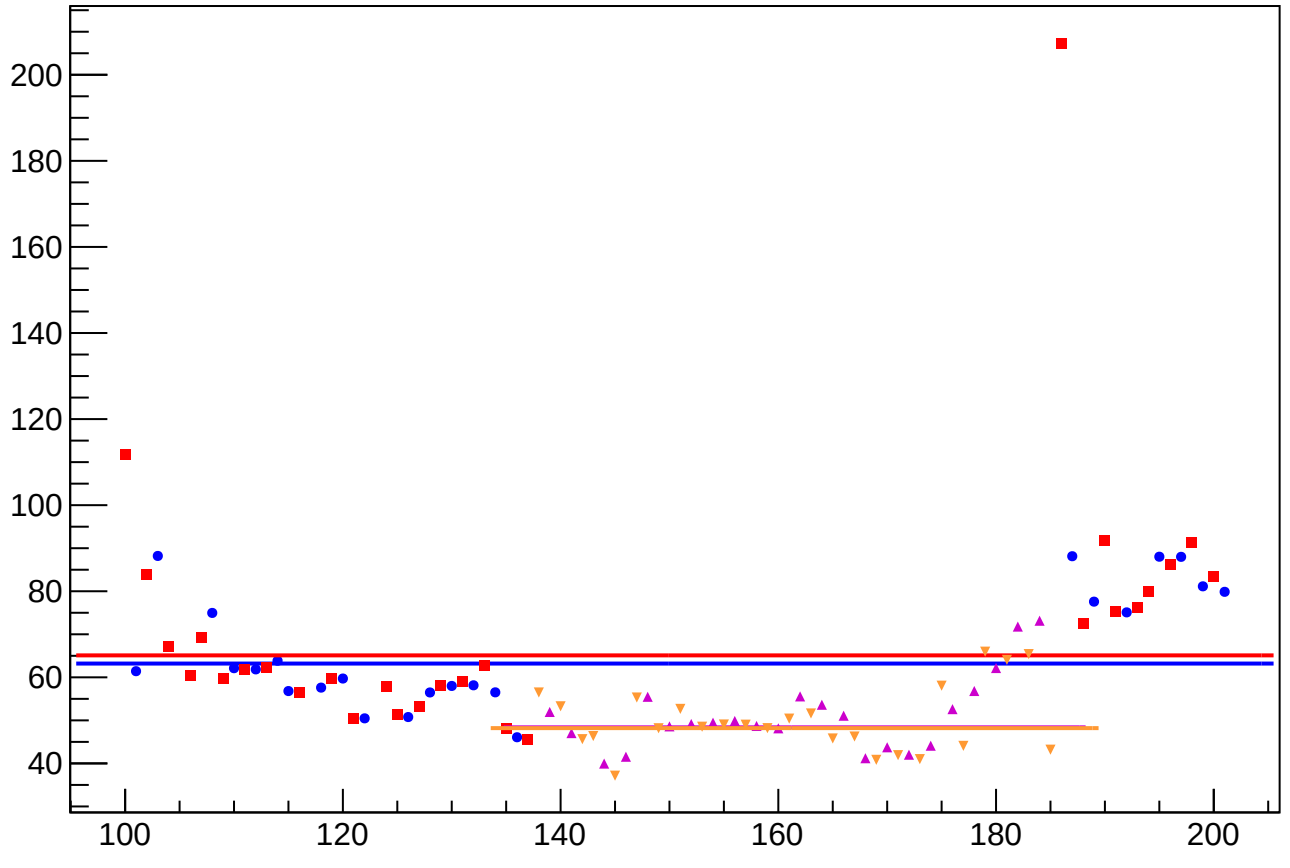
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 46.466+/-12.969 χ^2/NDF: 51.5/50

In: -0.765+/-9.747 χ^2/NDF:57.5/45

Out: -17.280+/-9.489 χ^2/NDF:77.9/52

All: -9.244+/-6.799 χ^2/NDF: 136.9/98



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: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

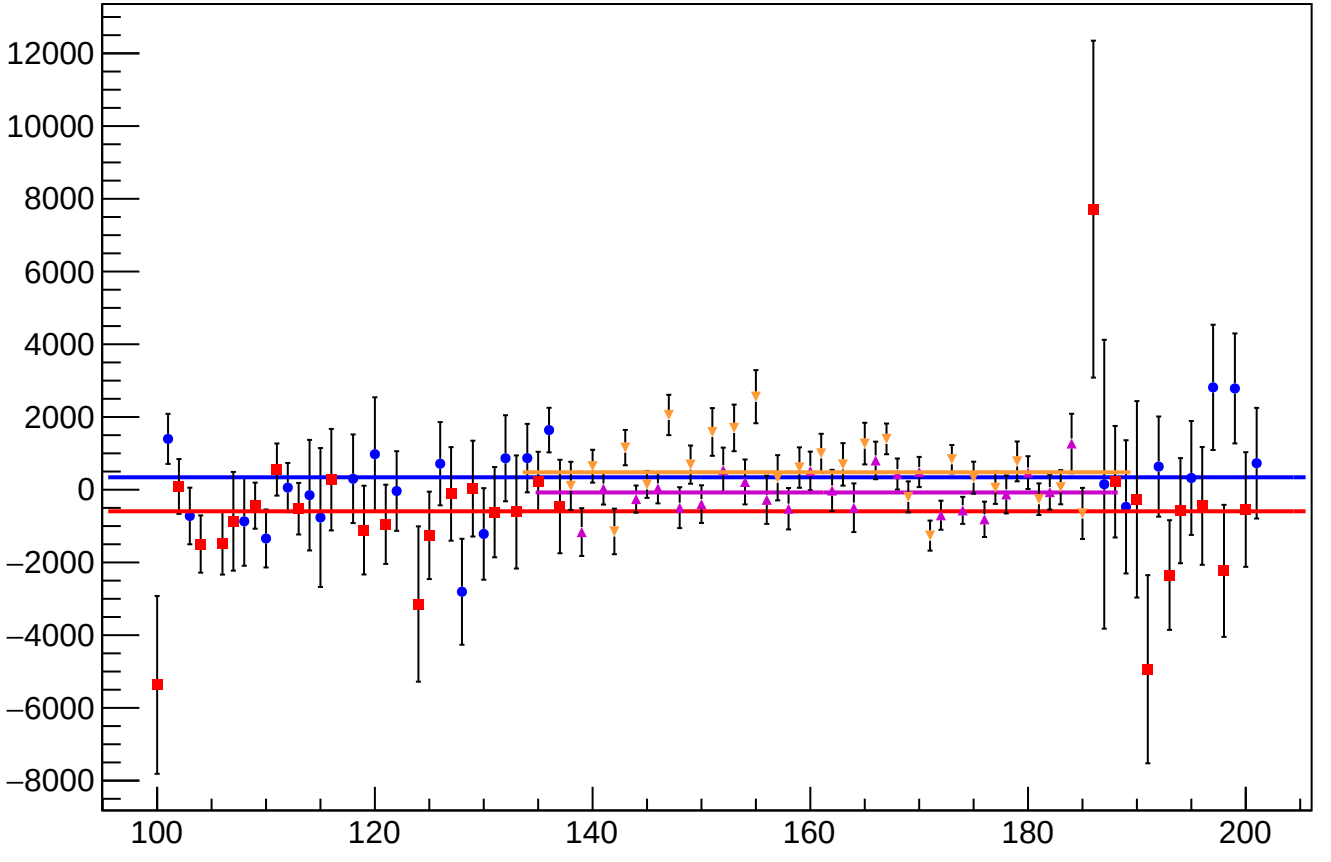
Right: 64.165+/-0.009 χ^2/NDF: 2452908.2/50

In: 52.501+/-0.007 χ^2/NDF:2676810.1/45

Out: 52.792+/-0.007 χ^2/NDF:3425142.6/52

All: 52.650+/-0.005 χ^2/NDF: 6102867.0/98

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: -593.345+/-213.817 χ^2/NDF: 21.9/27

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

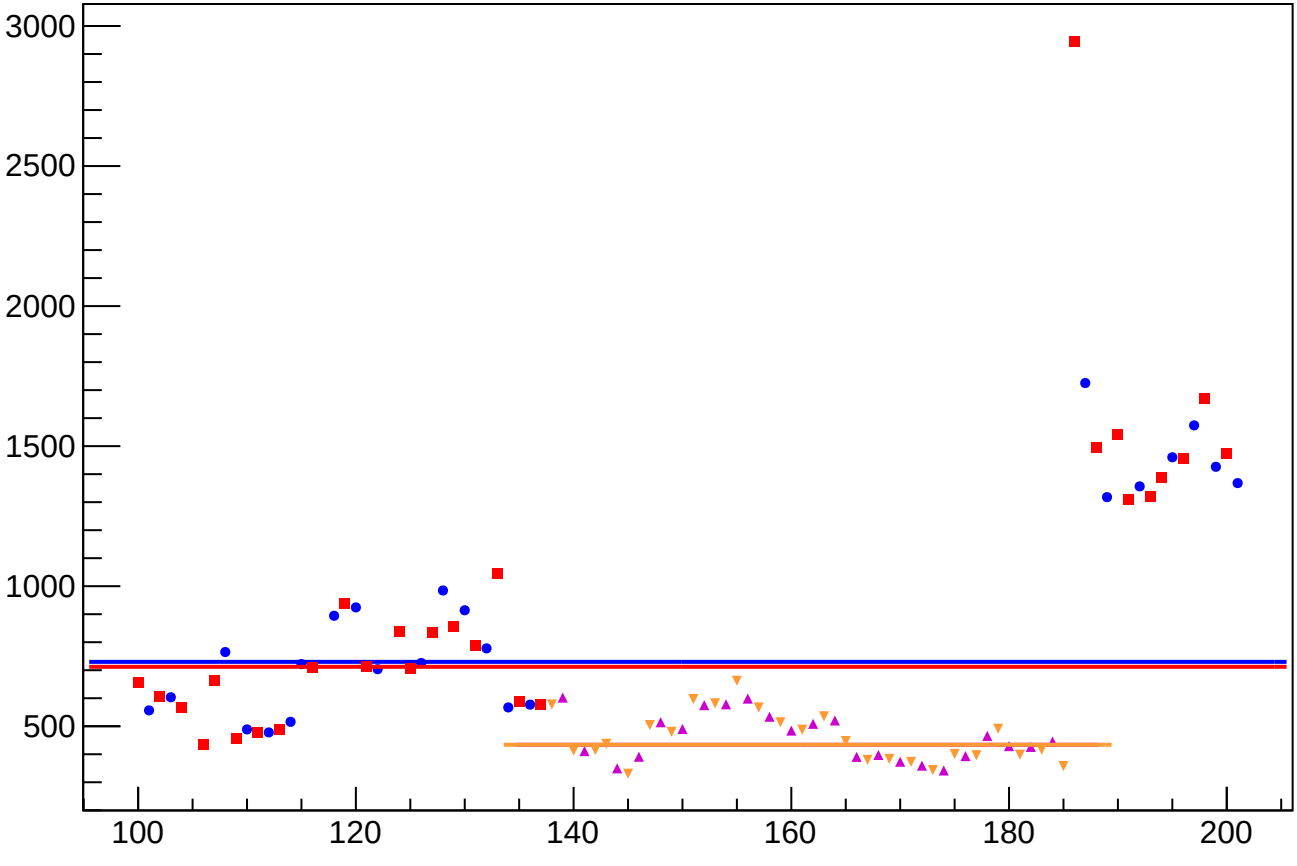
Right: -150.370+/-155.116 χ^2/NDF: 57.8/50

In: -3.391+/-93.777 χ^2/NDF:54.1/45

Out: 285.870+/-90.973 χ^2/NDF:111.8/52

All: 145.628+/-65.296 χ^2/NDF: 170.8/98

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: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

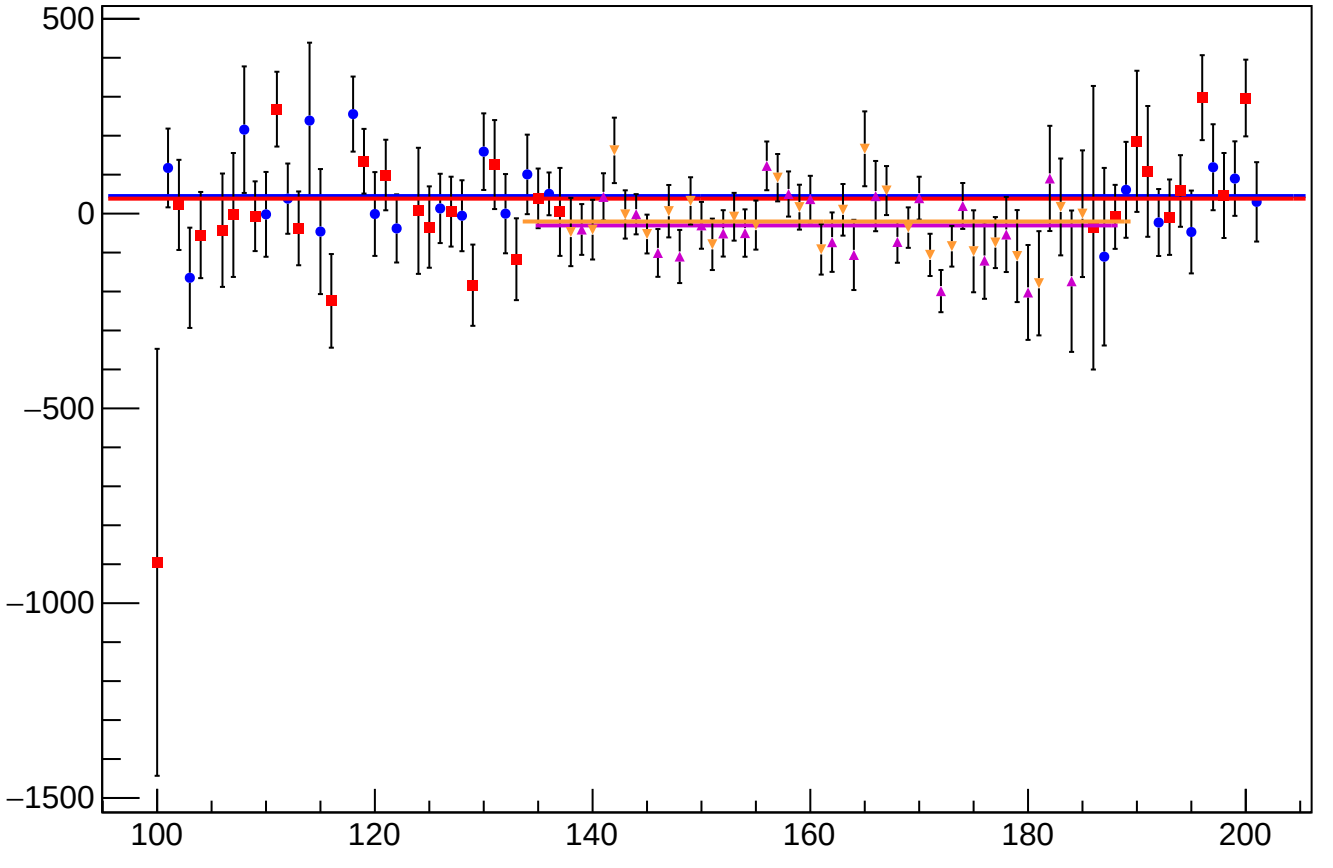
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 720.555+/-0.110 χ^2/NDF: 8313978.7/50

In: 484.994+/-0.066 χ^2/NDF:7429365.1/45

Out: 484.313+/-0.064 χ^2/NDF:8845481.6/52

All: 484.643+/-0.046 χ^2/NDF: 16274901.1/98



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: 38.393+/-20.378 χ^2/NDF: 39.3/27

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

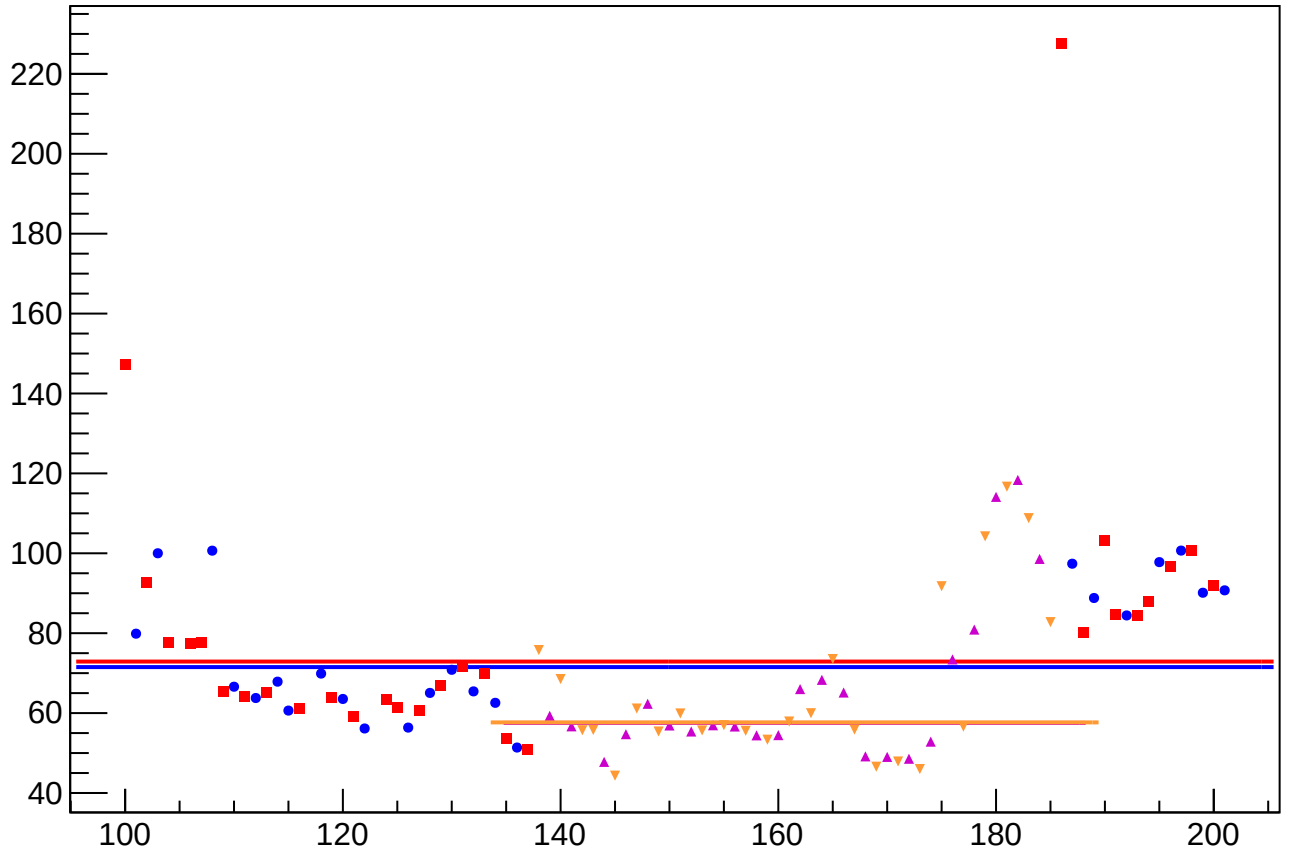
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 41.602+/-14.630 χ^2/NDF: 55.8/50

In: -7.213+/-11.639 χ^2/NDF:57.9/45

Out: -2.125+/-11.333 χ^2/NDF:70.2/52

All: -4.601+/-8.120 χ^2/NDF: 128.2/98



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: 72.899+/-0.014 χ^2/NDF: 1338152.7/27

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

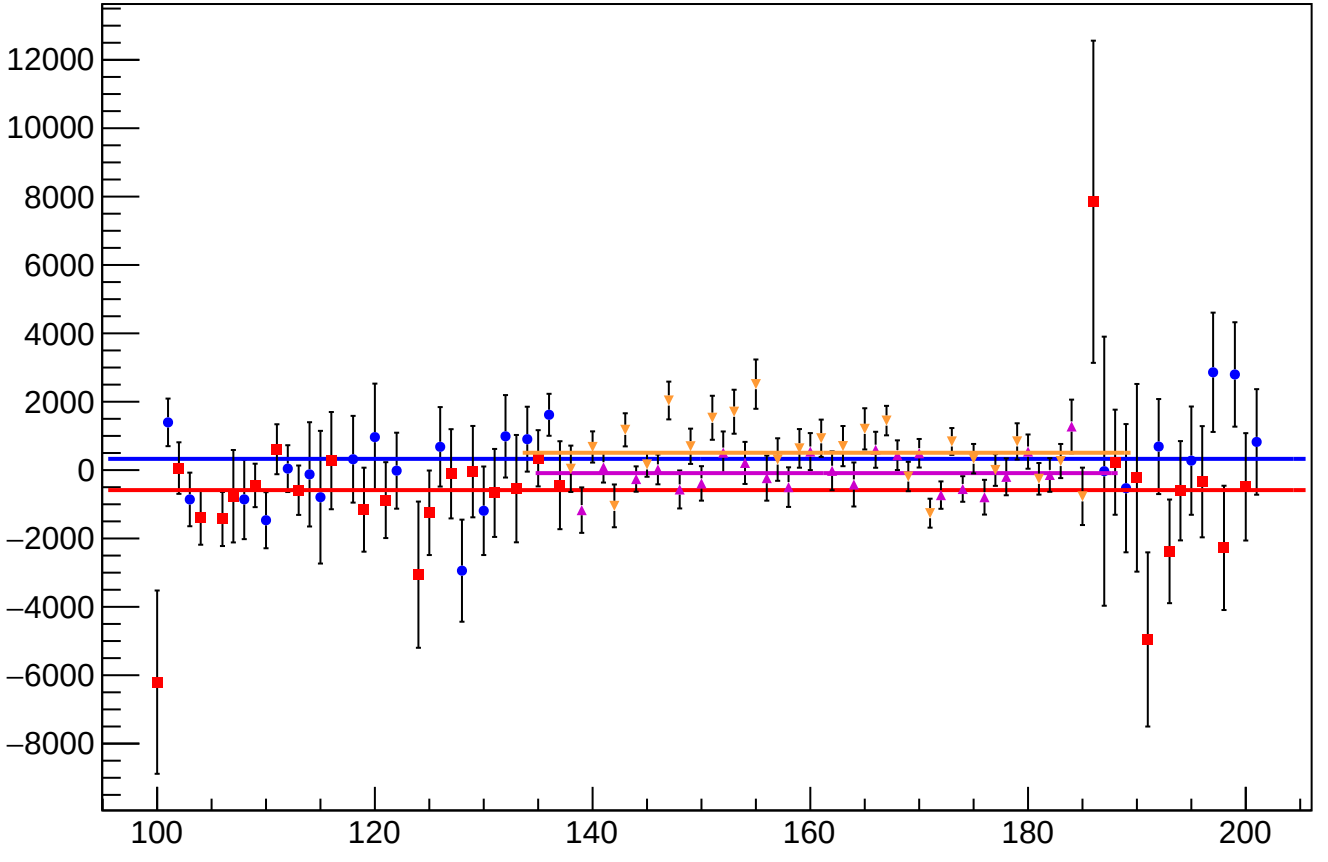
Right: 72.227+/-0.010 χ^2/NDF: 2499545.6/50

In: 61.825+/-0.008 χ^2/NDF:3213182.9/45

Out: 62.379+/-0.008 χ^2/NDF:4019611.8/52

All: 62.110+/-0.006 χ^2/NDF: 7235118.2/98

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



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: -585.069+/-214.633 χ^2/NDF: 22.6/27

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

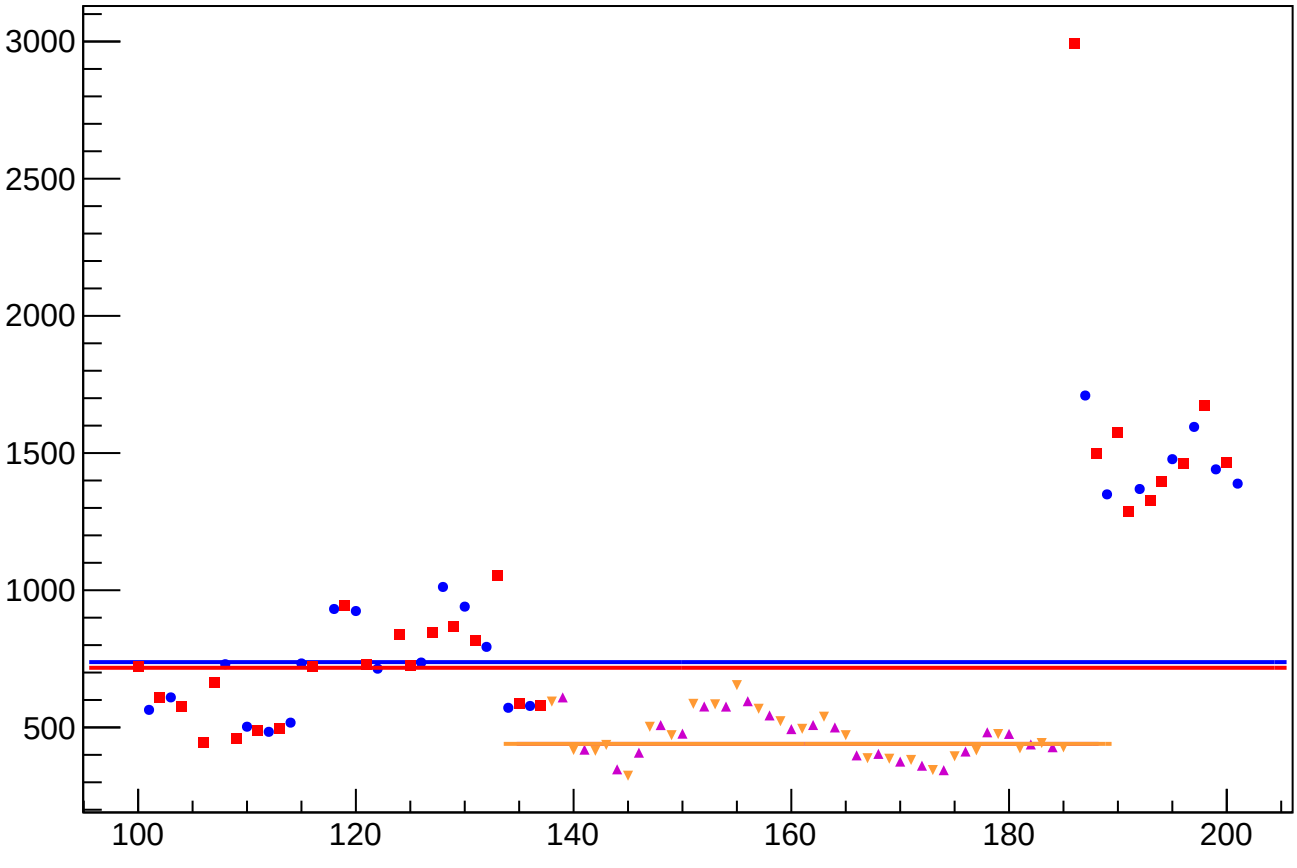
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -155.415+/-156.224 χ^2/NDF: 58.9/50

In: -15.914+/-95.016 χ^2/NDF:53.8/45

Out: 306.661+/-91.961 χ^2/NDF:109.6/52

All: 150.642+/-66.080 χ^2/NDF: 169.4/98



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: 717.395+/-0.152 χ^2/NDF: 4822918.7/27

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

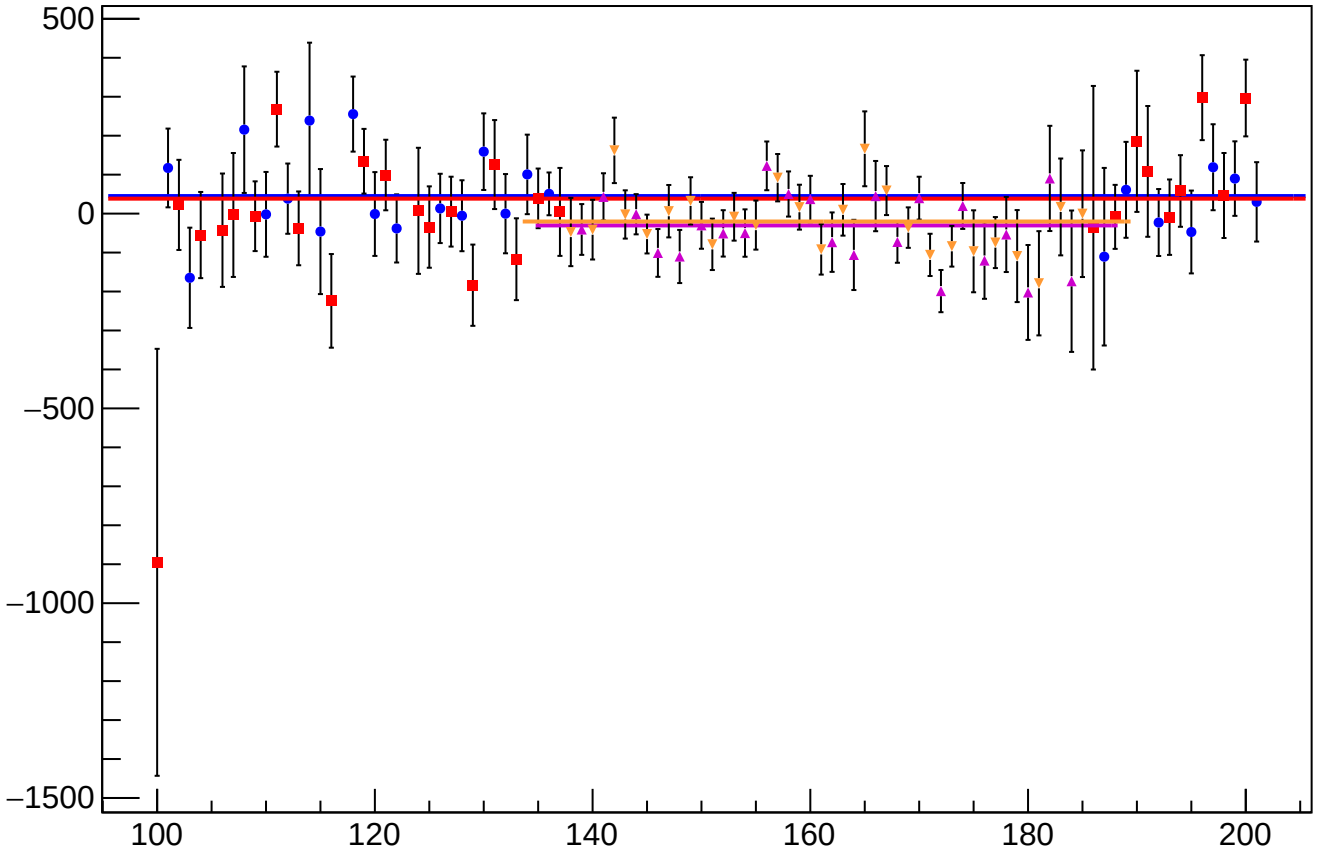
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 727.089+/-0.110 χ^2/NDF: 8330217.7/50

In: 491.733+/-0.067 χ^2/NDF:7389736.7/45

Out: 490.985+/-0.065 χ^2/NDF:8745835.4/52

All: 491.347+/-0.047 χ^2/NDF: 16135636.2/98



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: 38.393+/-20.377 χ^2/NDF: 39.3/27

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

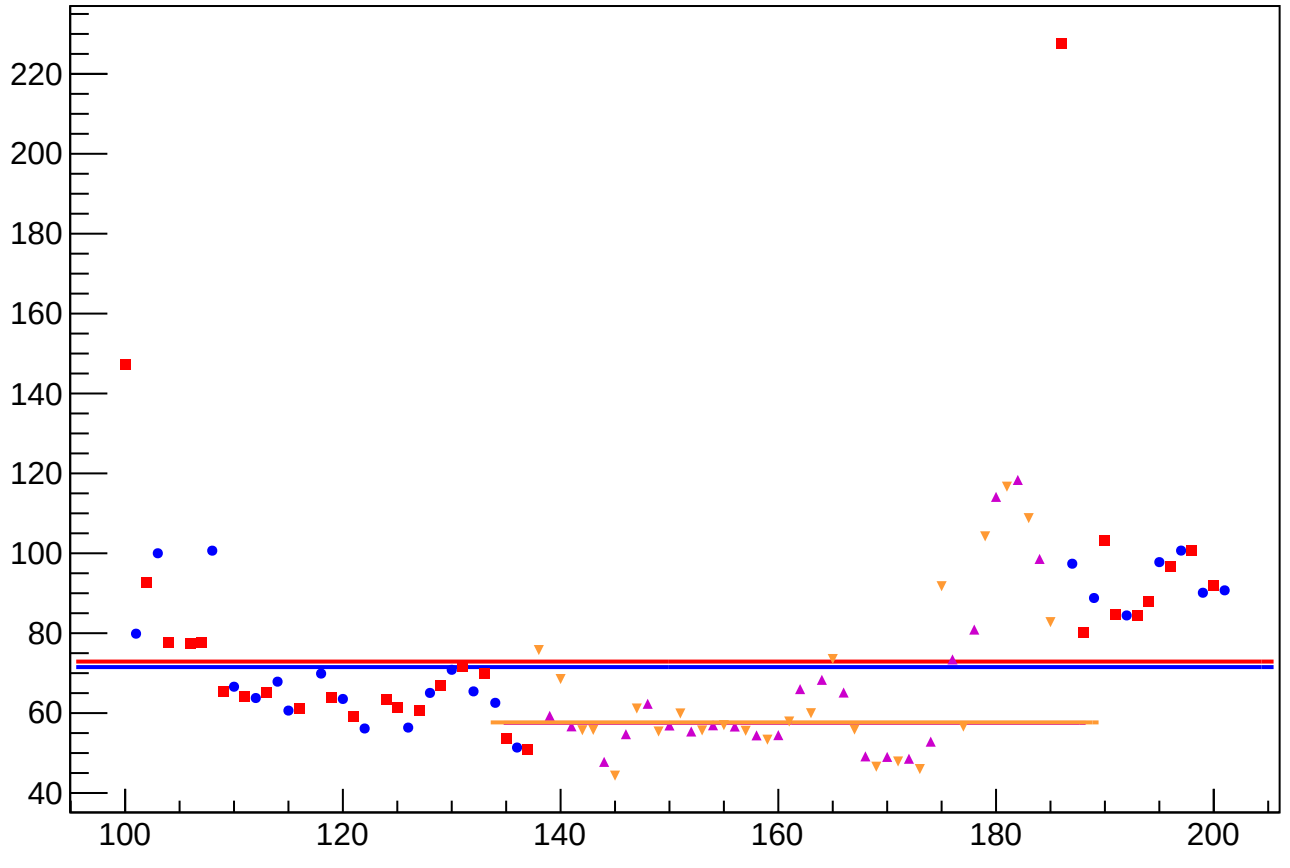
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.601+/-14.630 χ^2/NDF: 55.8/50

In: -7.213+/-11.639 χ^2/NDF:57.9/45

Out: -2.126+/-11.333 χ^2/NDF:70.2/52

All: -4.601+/-8.120 χ^2/NDF: 128.2/98



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: 72.899+/-0.014 χ^2/NDF: 1338166.4/27

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

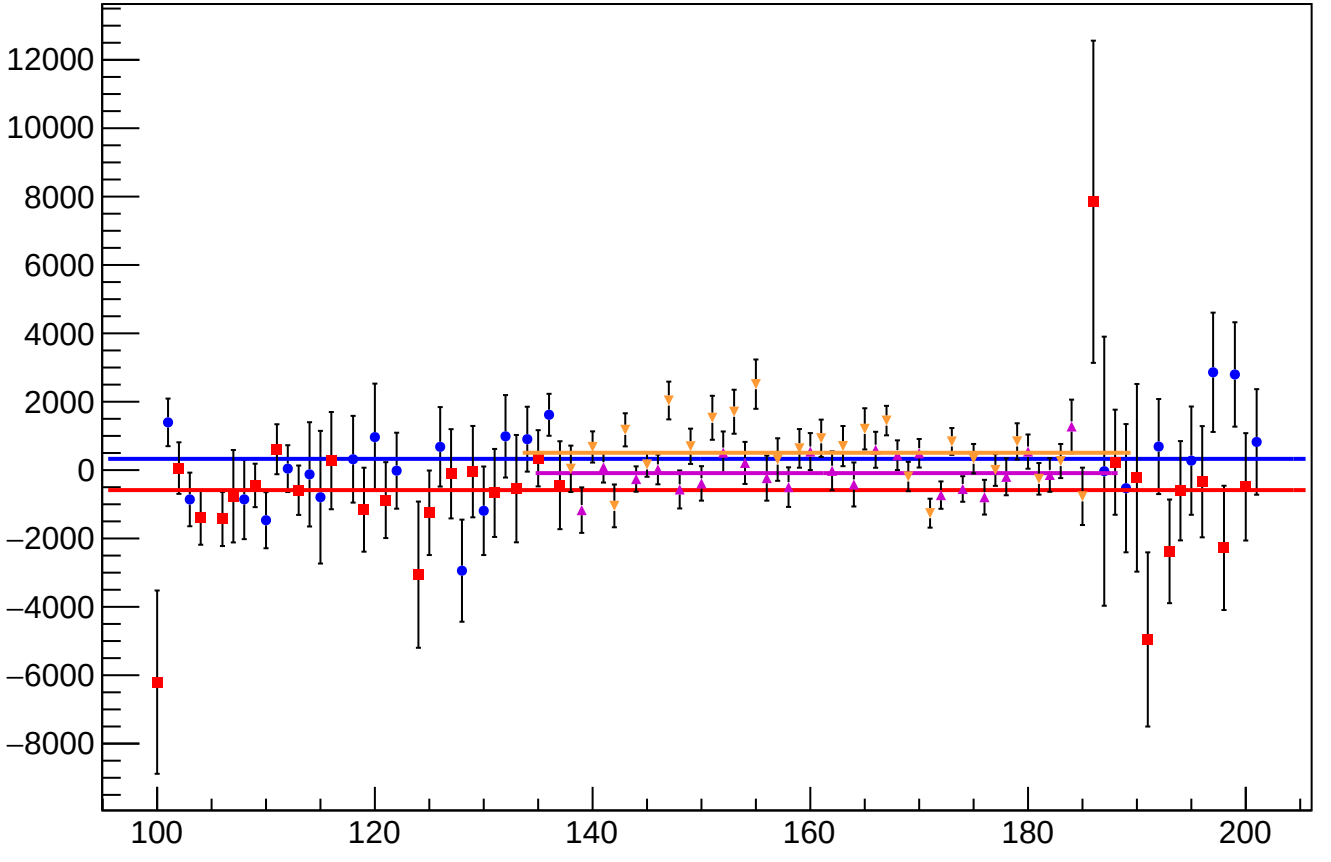
Right: 72.227+/-0.010 χ^2/NDF: 2499552.7/50

In: 61.825+/-0.008 χ^2/NDF:3213144.1/45

Out: 62.379+/-0.008 χ^2/NDF:4019596.6/52

All: 62.110+/-0.006 χ^2/NDF: 7235064.6/98

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -585.069+/-214.632 χ^2/NDF: 22.6/27

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

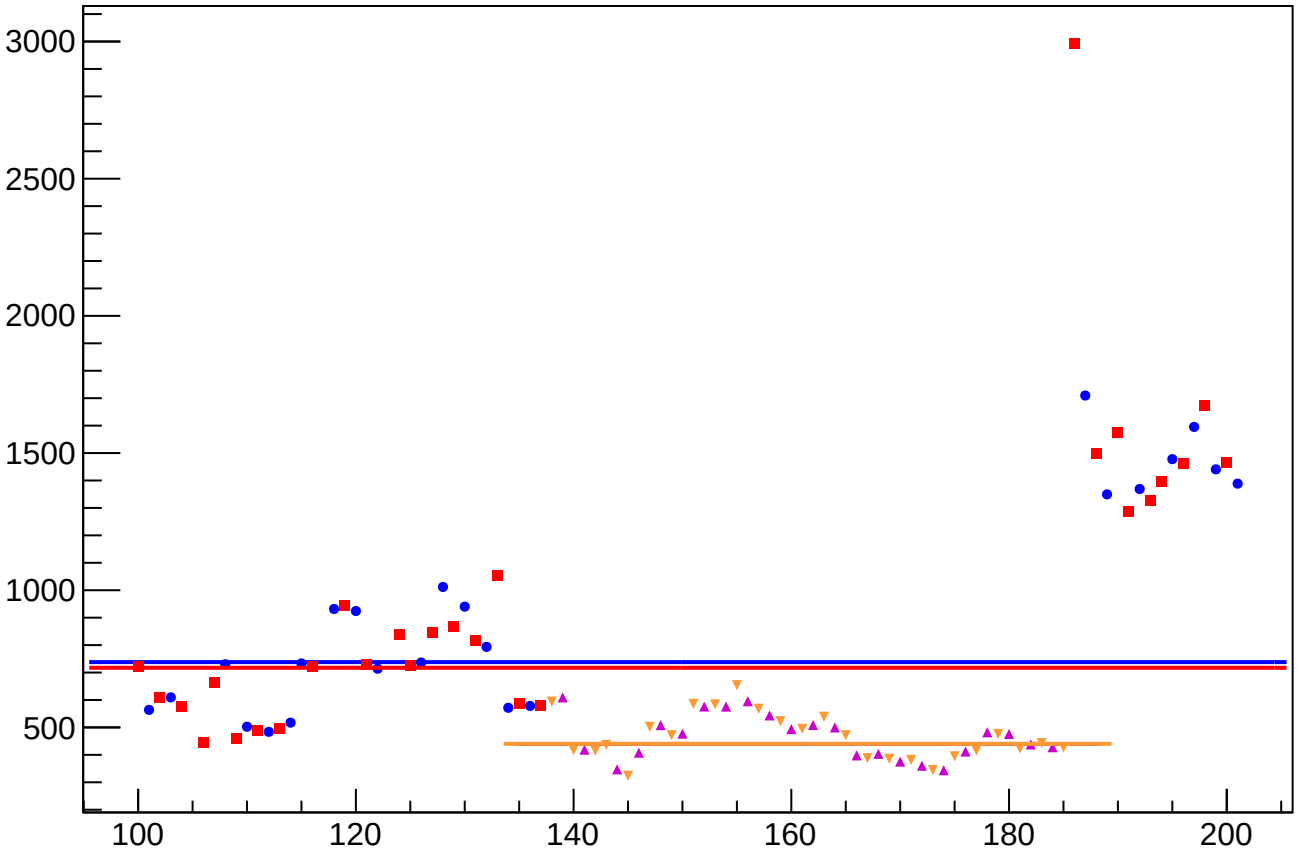
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -155.415+/-156.224 χ^2/NDF: 58.9/50

In: -15.914+/-95.016 χ^2/NDF:53.8/45

Out: 306.661+/-91.961 χ^2/NDF:109.6/52

All: 150.642+/-66.080 χ^2/NDF: 169.4/98



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: 717.394+/-0.152 χ^2/NDF: 4822920.7/27

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

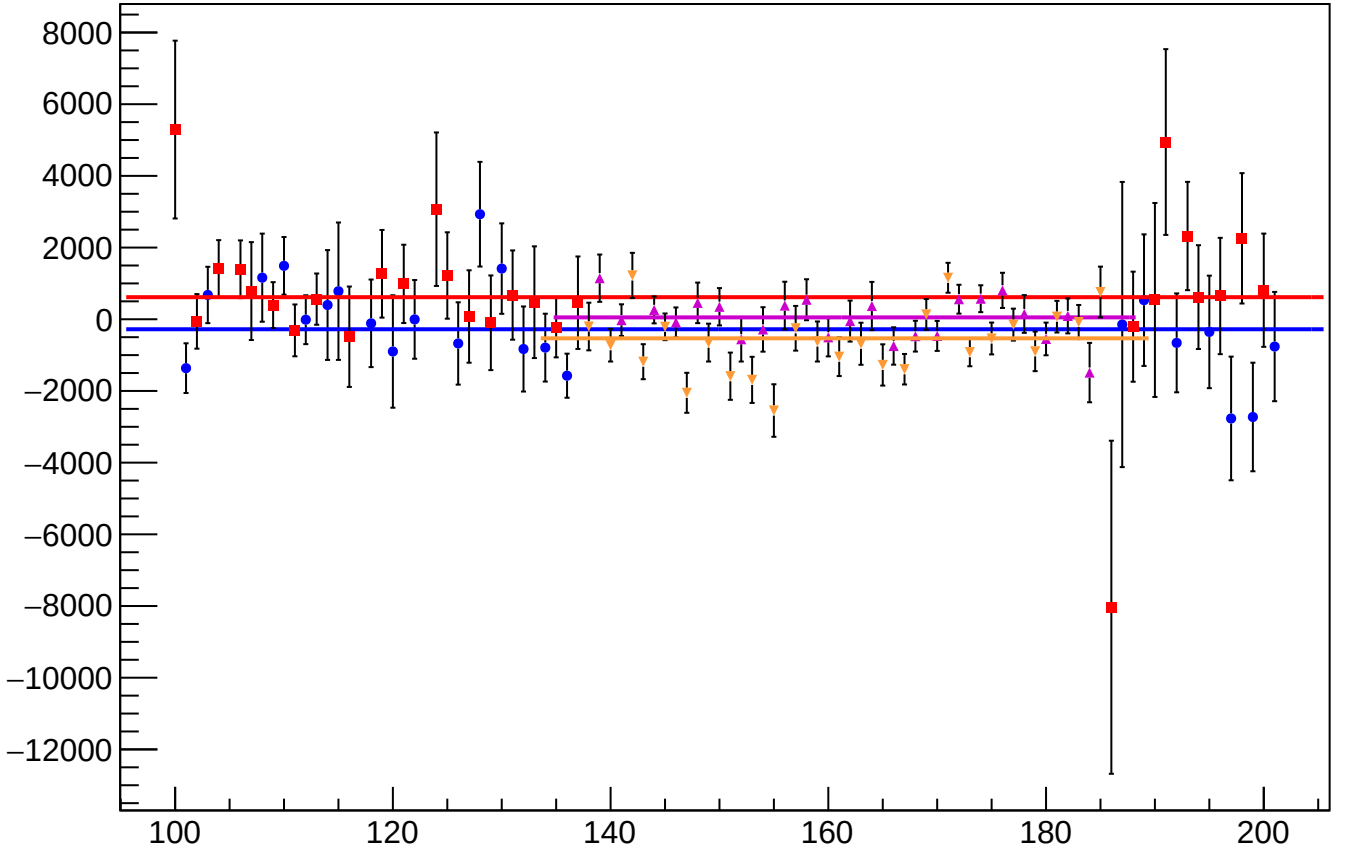
Right: 727.088+/-0.110 χ^2/NDF: 8330223.2/50

In: 491.732+/-0.067 χ^2/NDF:7389760.7/45

Out: 490.984+/-0.065 χ^2/NDF:8745857.4/52

All: 491.346+/-0.047 χ^2/NDF: 16135682.2/98

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: 616.069+/-213.974 χ^2/NDF: 20.9/27

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

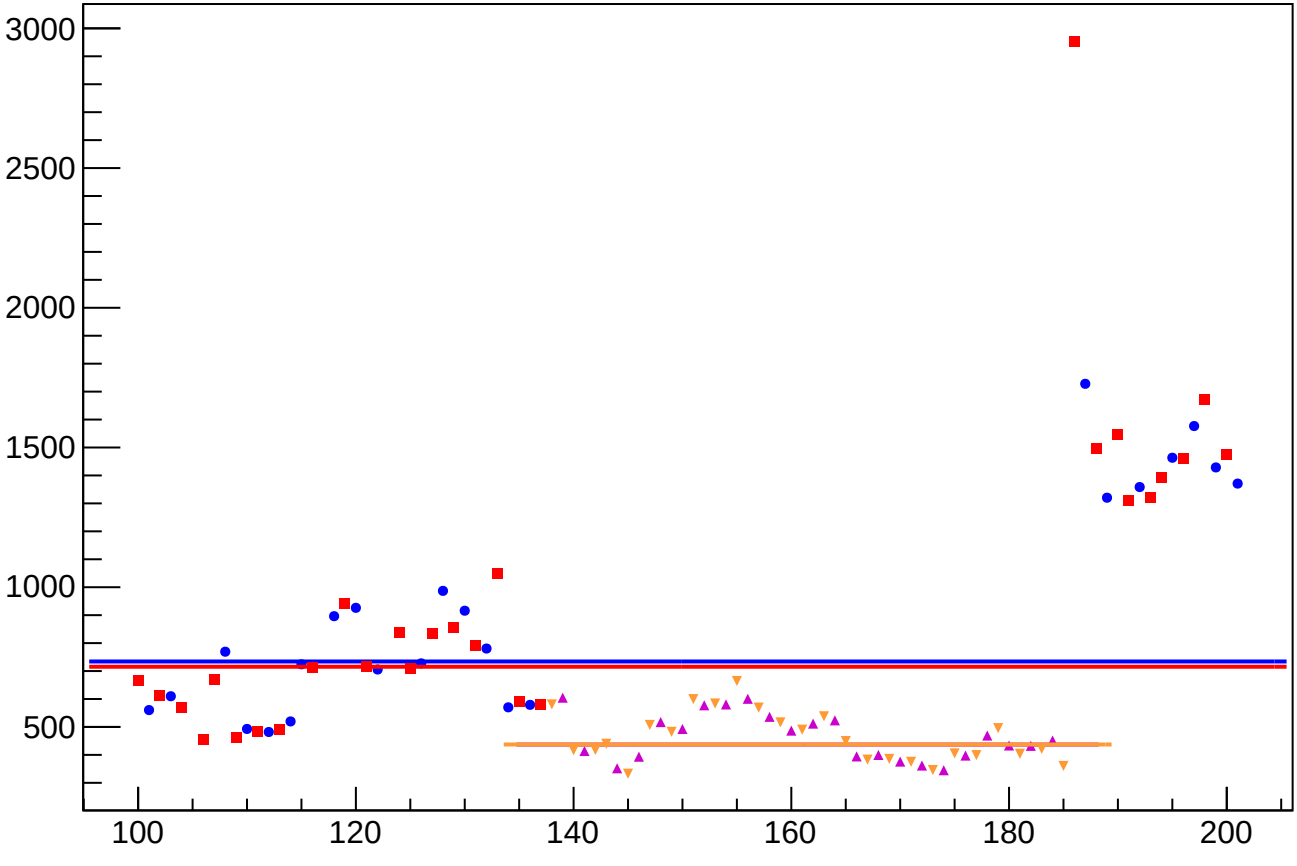
Right: 194.163+/-155.555 χ^2/NDF: 56.9/50

In: -4.997+/-94.418 χ^2/NDF:53.7/45

Out: -321.631+/-91.517 χ^2/NDF:109.9/52

All: -168.253+/-65.714 χ^2/NDF: 169.4/98

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: 715.475+/-0.151 χ^2/NDF: 4787244.0/27

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

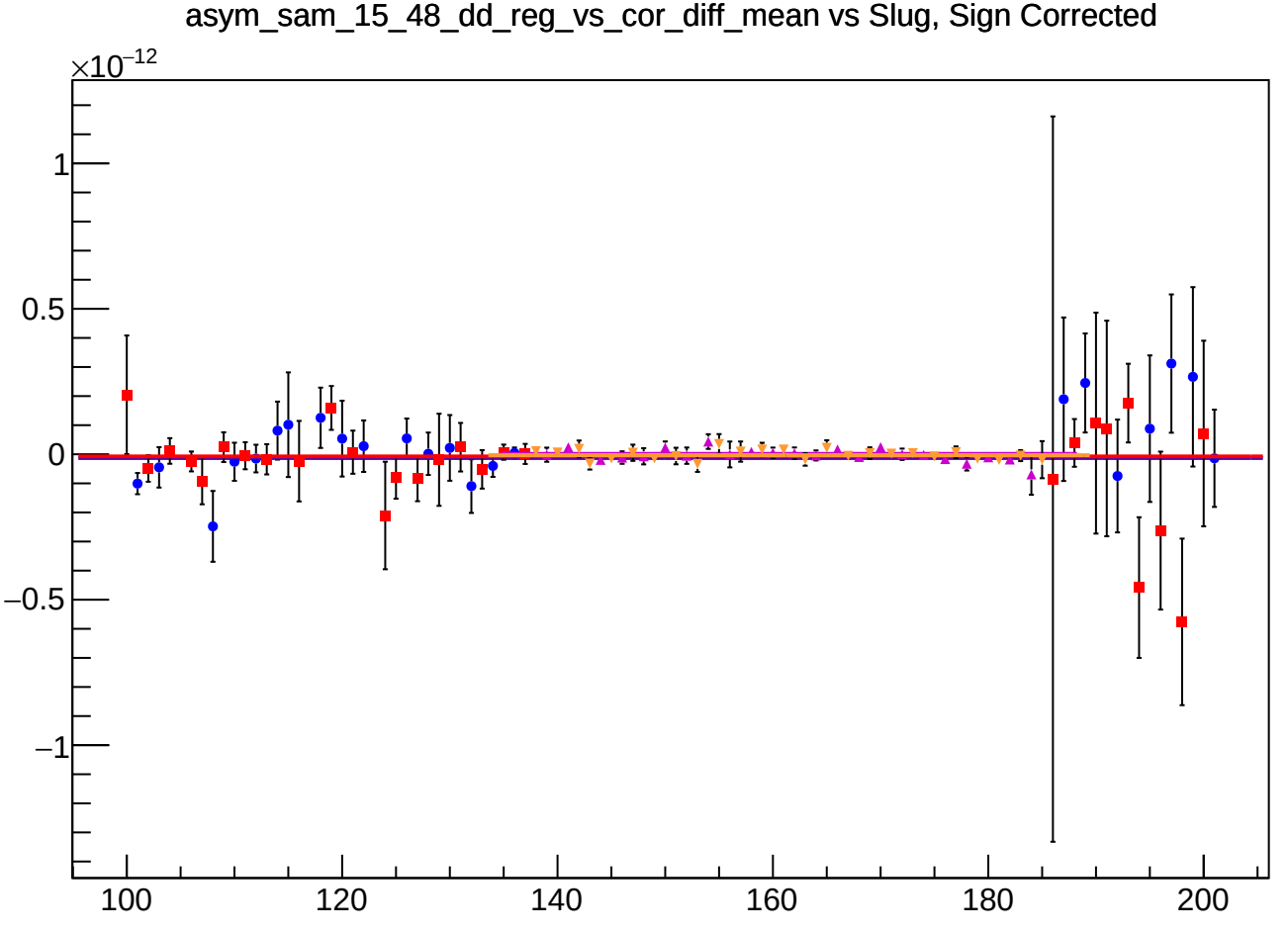
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

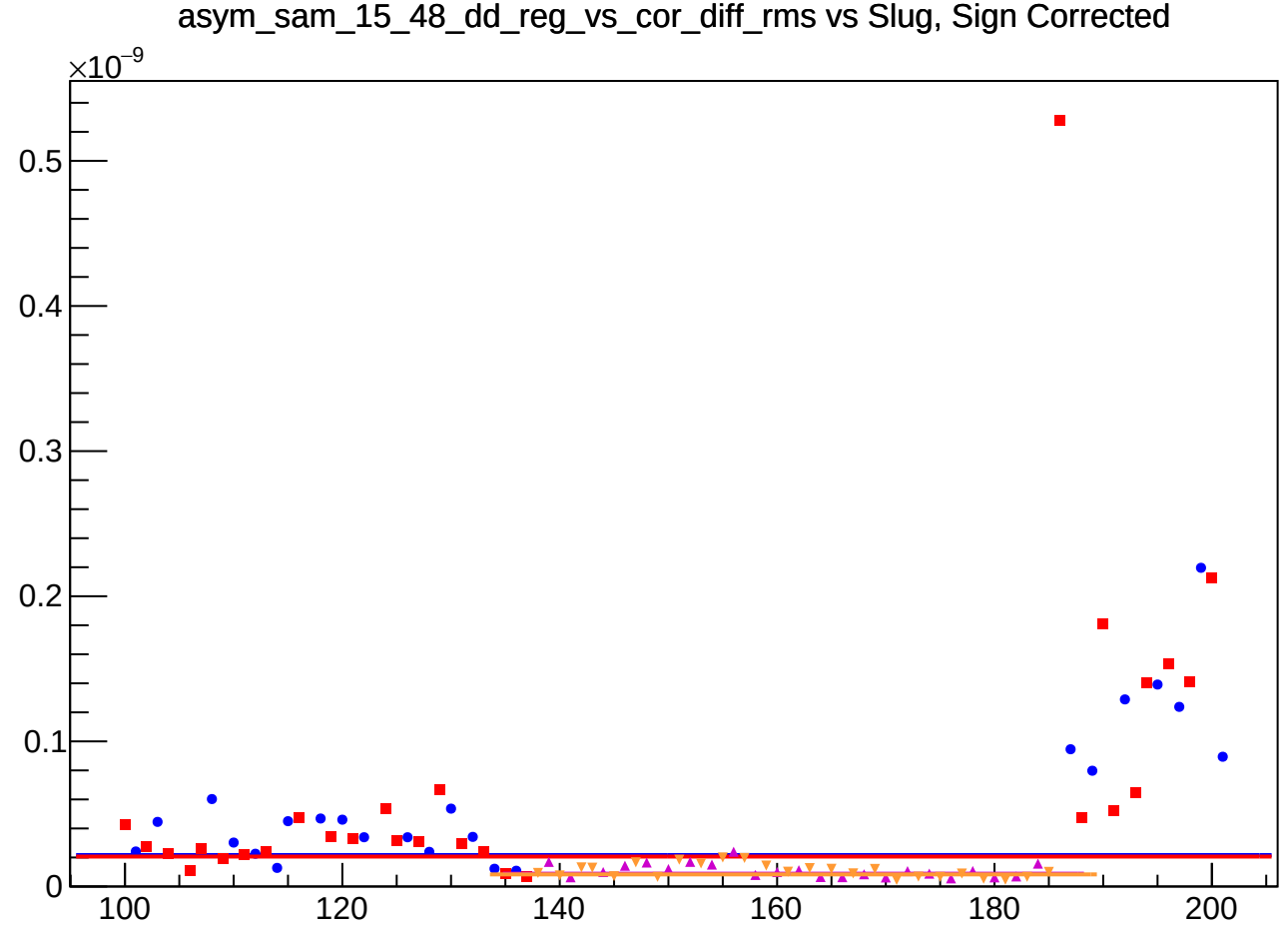
Right: 724.322+/-0.110 χ^2/NDF: 8240680.2/50

In: 488.582+/-0.067 χ^2/NDF:7372436.2/45

Out: 488.070+/-0.065 χ^2/NDF:8779415.4/52

All: 488.318+/-0.046 χ^2/NDF: 16151881.9/98


asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
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:14.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.7/27
Left In: 0.000+/-0.000 χ²/NDF:22.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.2/47
Right: -0.000+/-0.000 χ²/NDF: 46.5/50
In: 0.000+/-0.000 χ²/NDF:45.9/45
Out: -0.000+/-0.000 χ²/NDF:38.1/52
All: -0.000+/-0.000 χ²/NDF: 84.6/98



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: 4684989.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

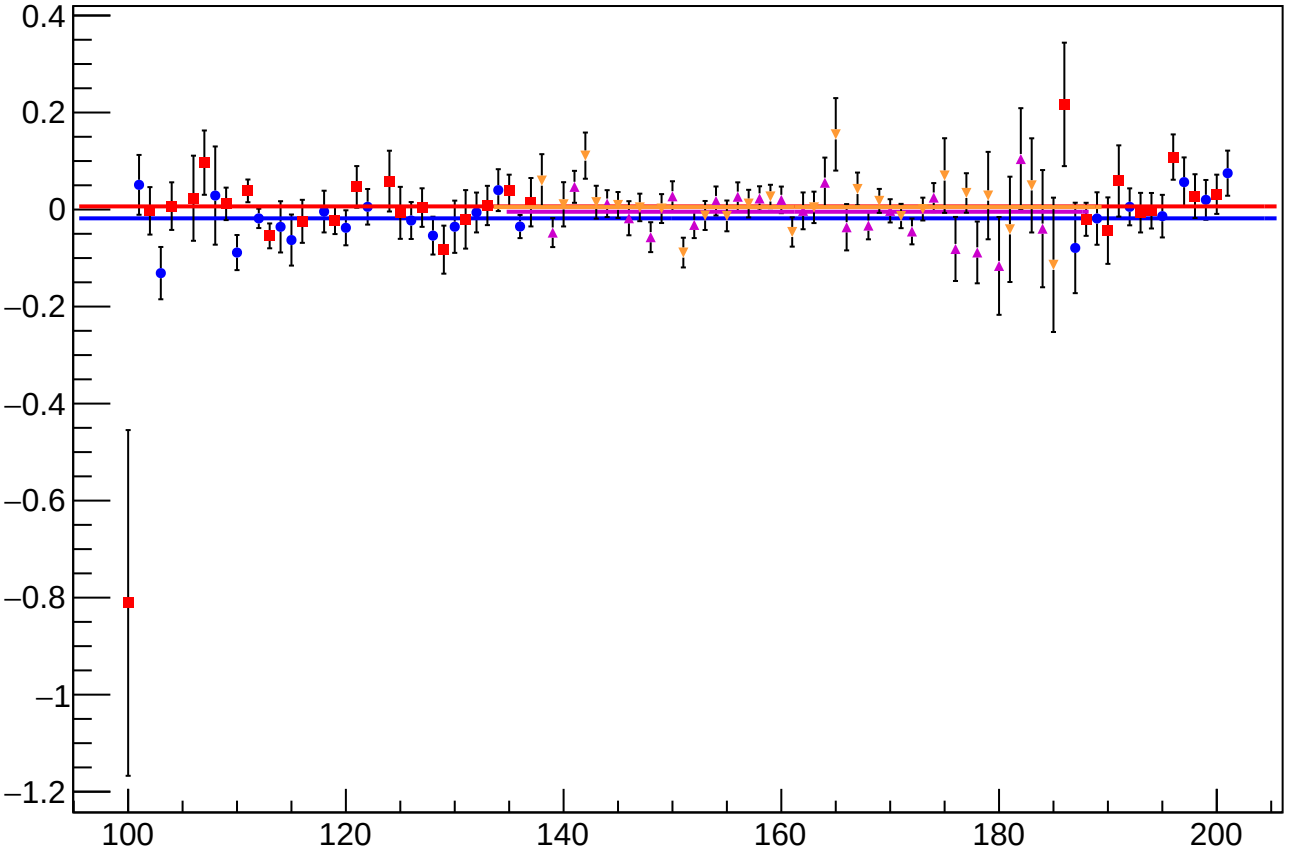
Right: 0.000+/-0.000 χ^2/NDF: 9424529.0/50

In: 0.000+/-0.000 χ^2/NDF:8335154.2/45

Out: 0.000+/-0.000 χ^2/NDF:8852726.0/52

All: 0.000+/-0.000 χ^2/NDF: 17215633.1/98

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 32.2/27

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

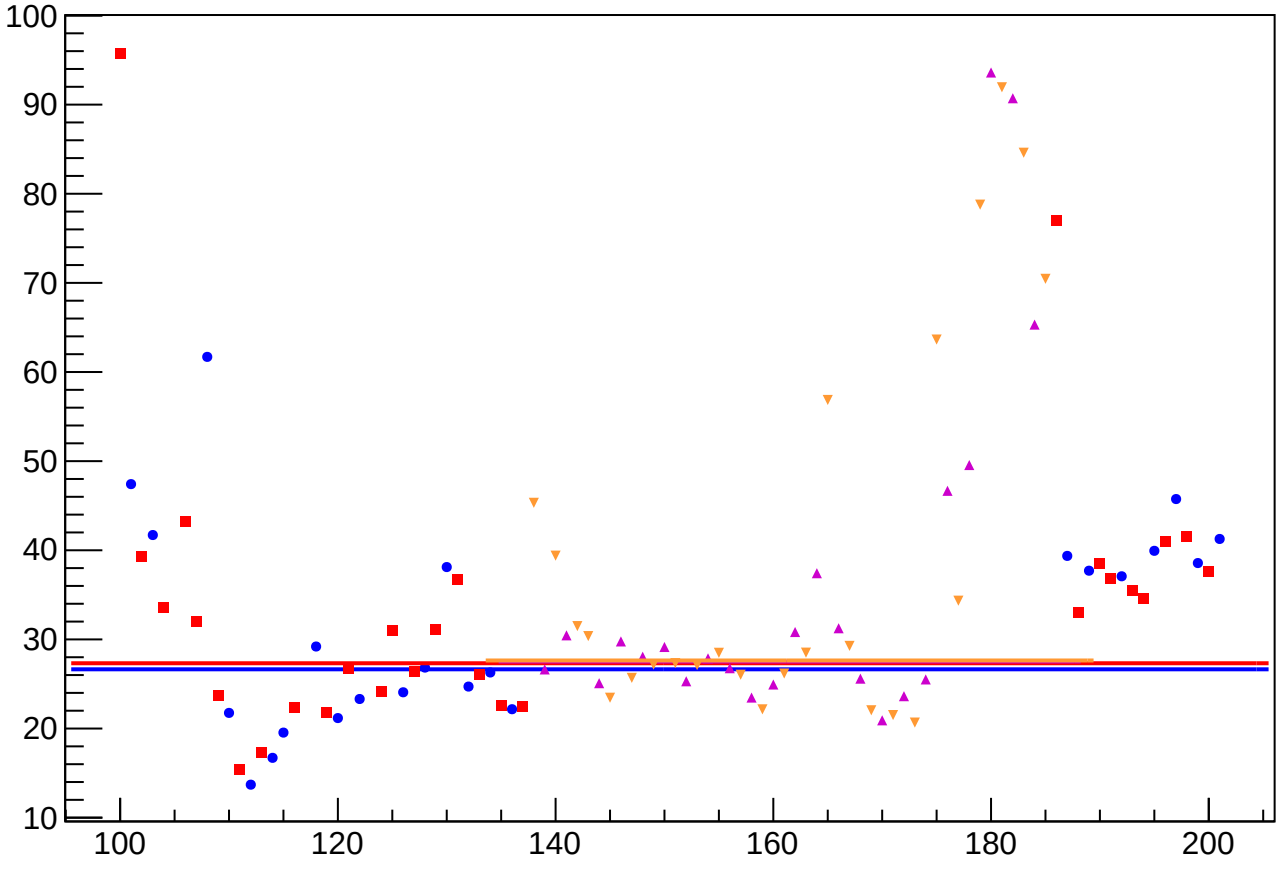
Right: -0.005+/-0.006 χ^2/NDF: 59.2/50

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 114.3/98

asym_sam_15_48_dd_dit_vs_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: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

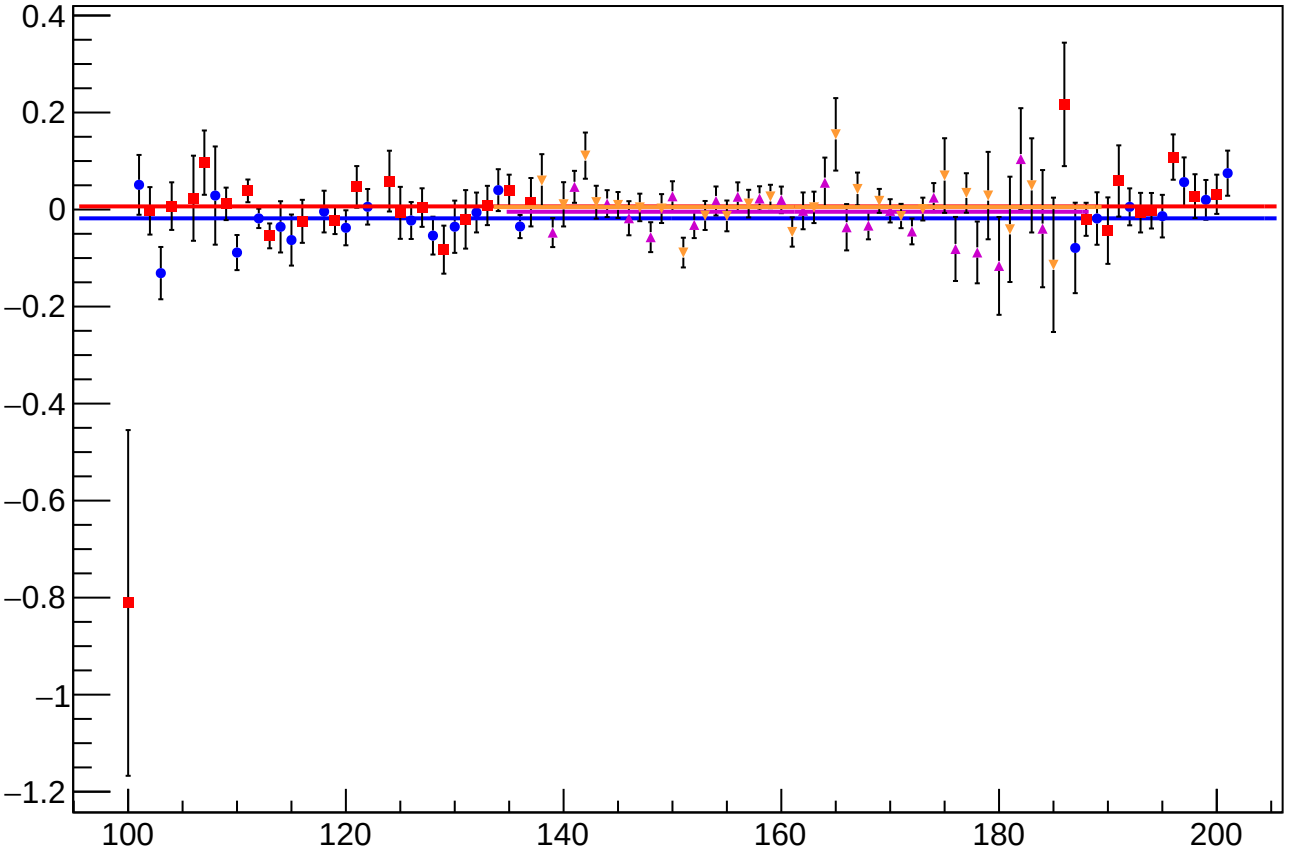
Right: 27.000+/-0.004 χ^2/NDF: 5460707.7/50

In: 27.161+/-0.004 χ^2/NDF:5605436.3/45

Out: 27.503+/-0.004 χ^2/NDF:6471776.2/52

All: 27.337+/-0.003 χ^2/NDF: 12081416.2/98

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 32.2/27

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

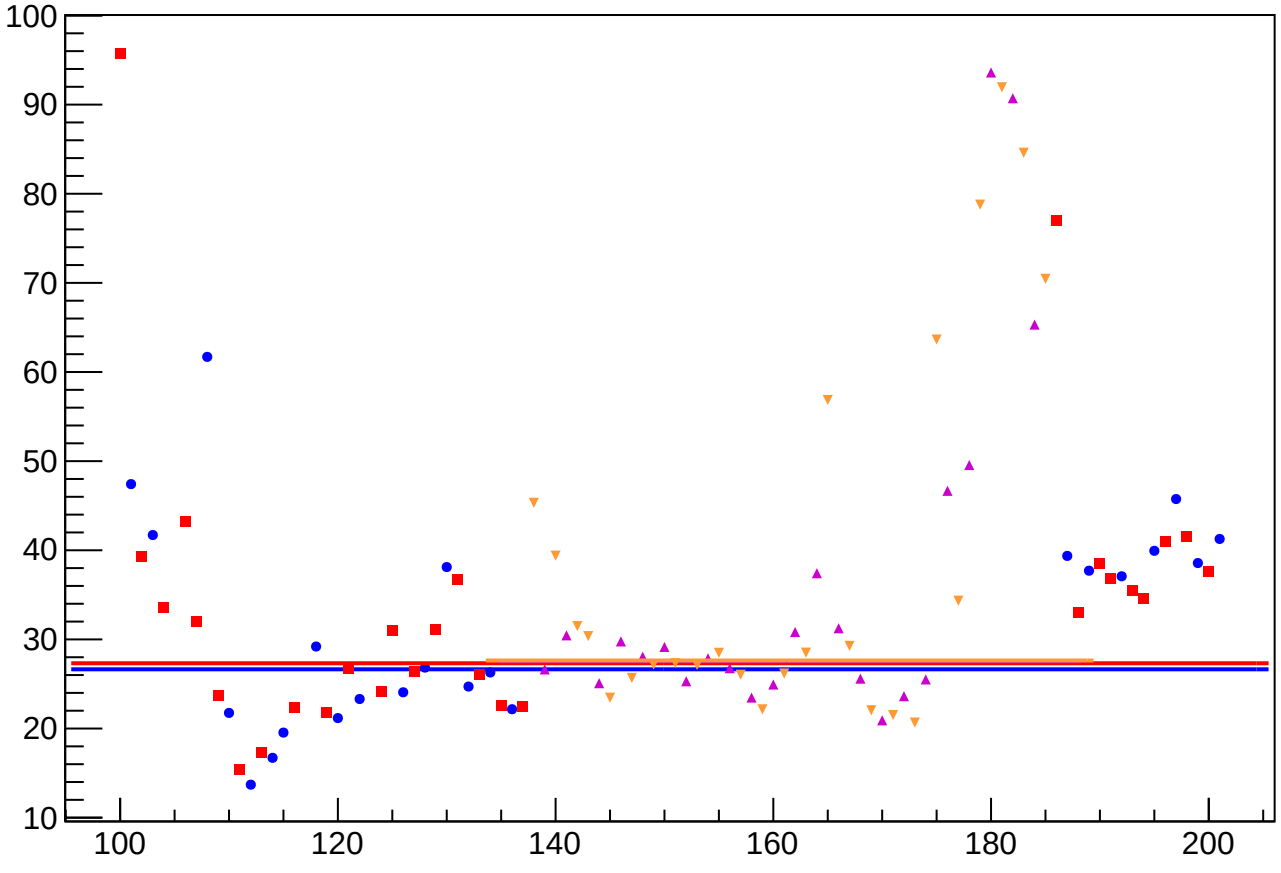
Right: -0.005+/-0.006 χ^2/NDF: 59.2/50

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 114.3/98

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: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

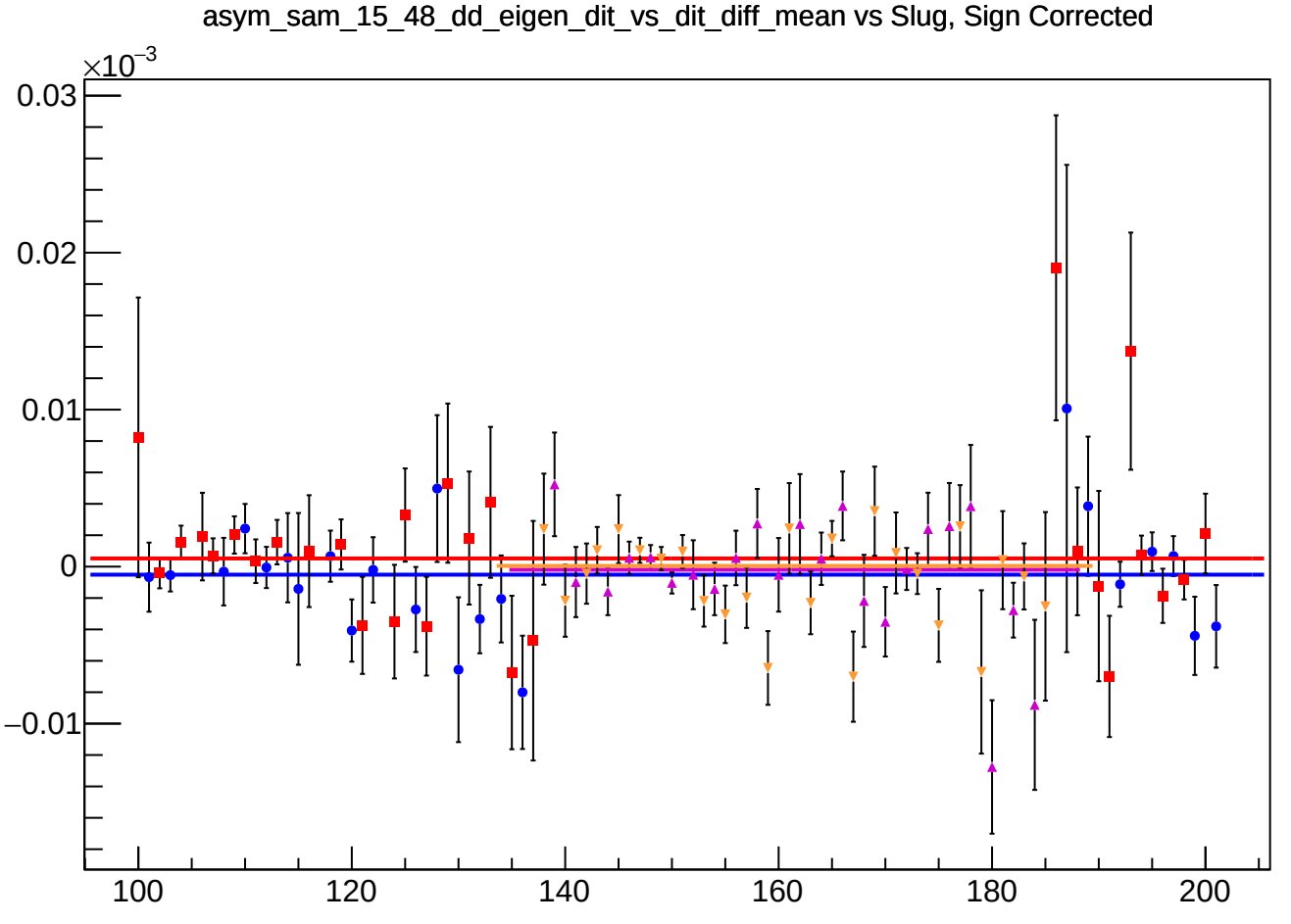
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.000+/-0.004 χ^2/NDF: 5460707.7/50

In: 27.161+/-0.004 χ^2/NDF:5605436.3/45

Out: 27.503+/-0.004 χ^2/NDF:6471776.2/52

All: 27.337+/-0.003 χ^2/NDF: 12081416.2/98



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: 29.5/27

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

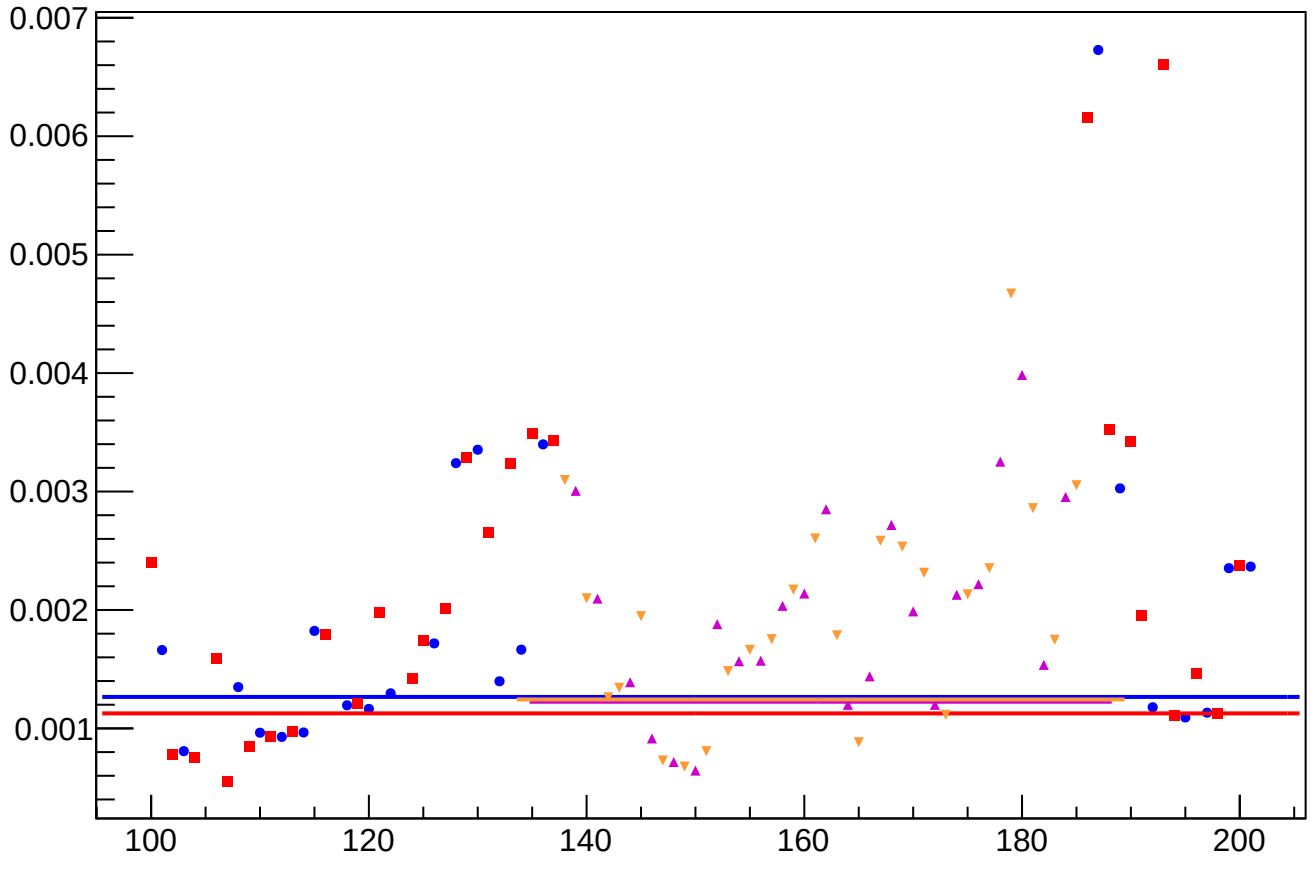
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/50

In: -0.000+/-0.000 χ^2/NDF:59.2/45

Out: 0.000+/-0.000 χ^2/NDF:67.5/52

All: -0.000+/-0.000 χ^2/NDF: 129.4/98



Right In: 0.001+/-0.000 χ^2/NDF: 3651479.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6675569.2/27

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

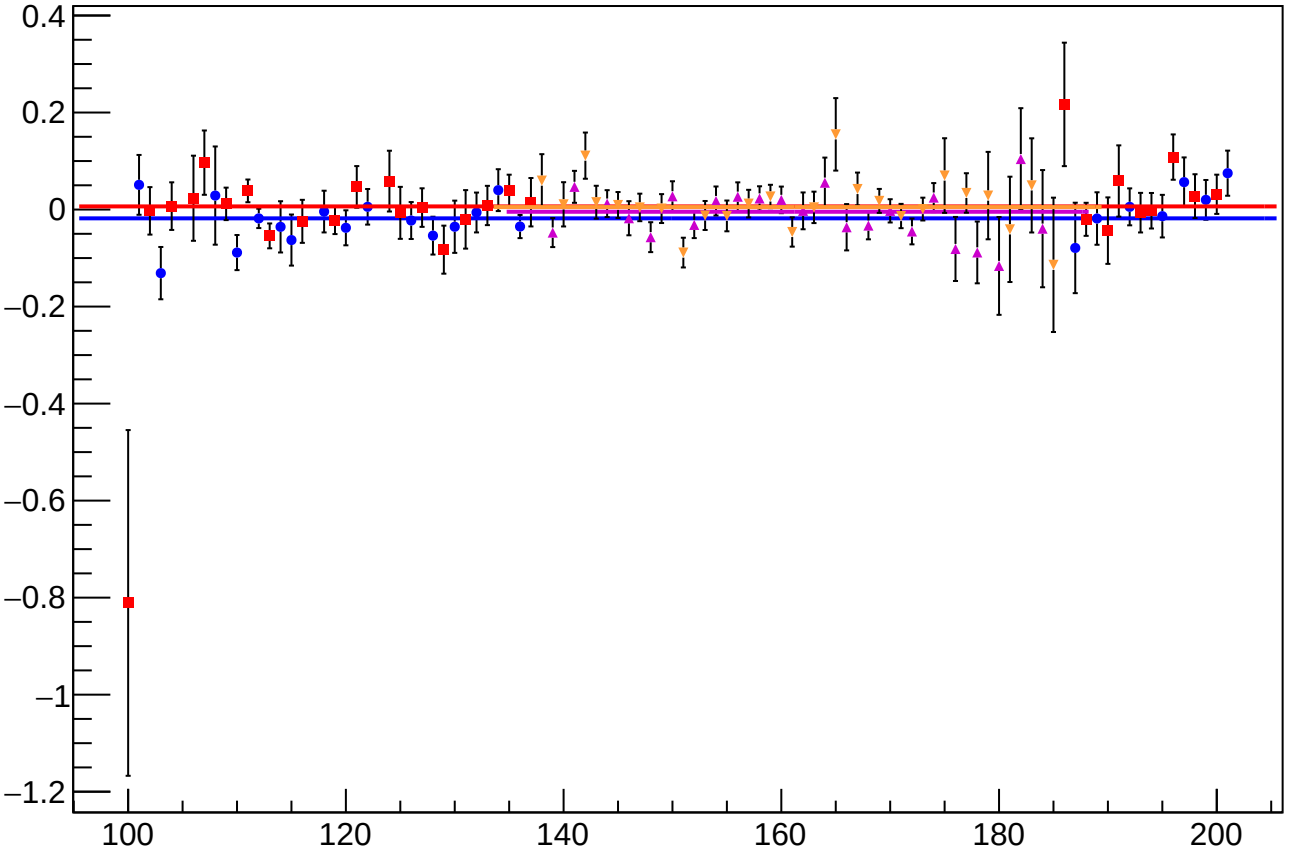
Right: 0.001+/-0.000 χ^2/NDF: 10458312.9/50

In: 0.001+/-0.000 χ^2/NDF:11486369.7/45

Out: 0.001+/-0.000 χ^2/NDF:15133664.3/52

All: 0.001+/-0.000 χ^2/NDF: 26659638.9/98

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 32.2/27

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

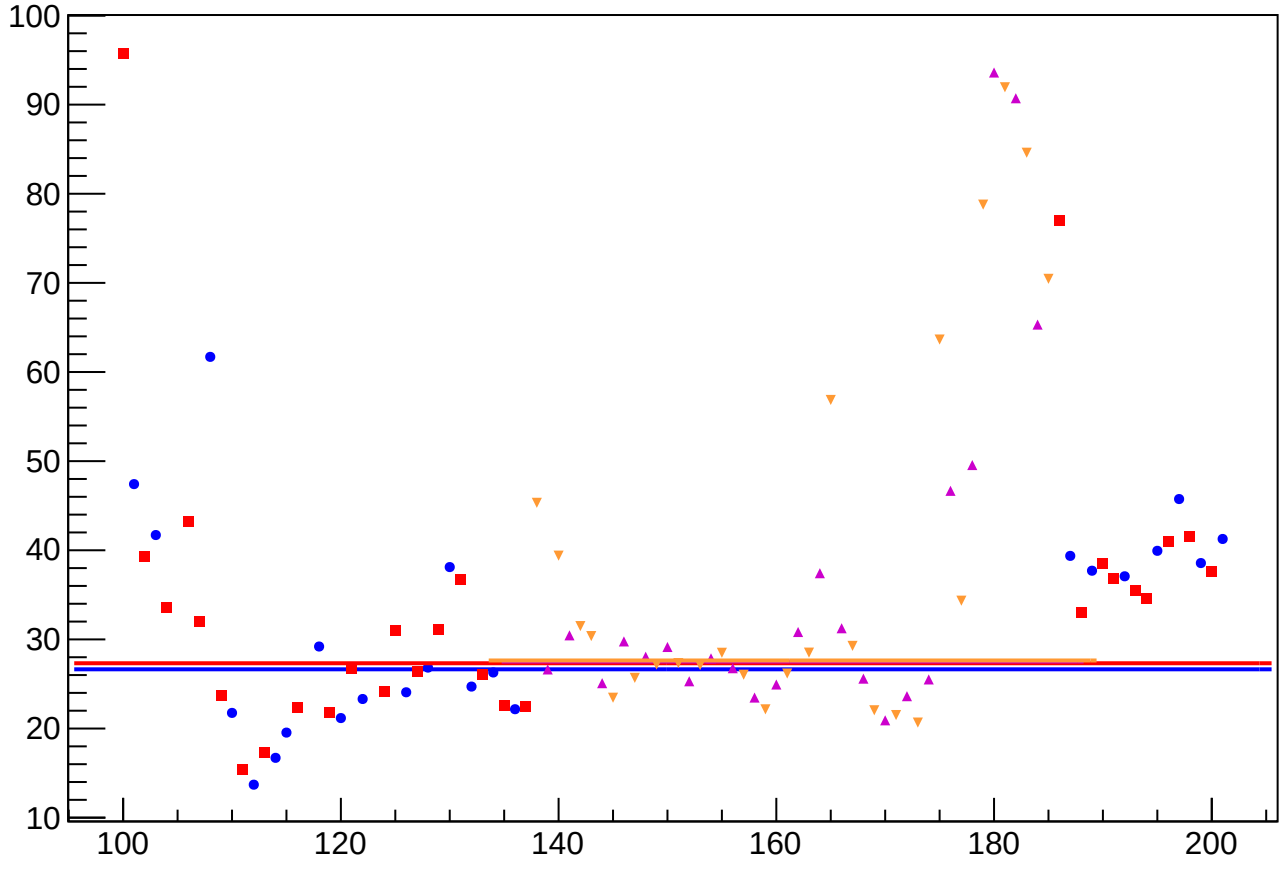
Right: -0.005+/-0.006 χ^2/NDF: 59.2/50

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 114.3/98

asym_sam_15_48_dd_eigen_dit_vs_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: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

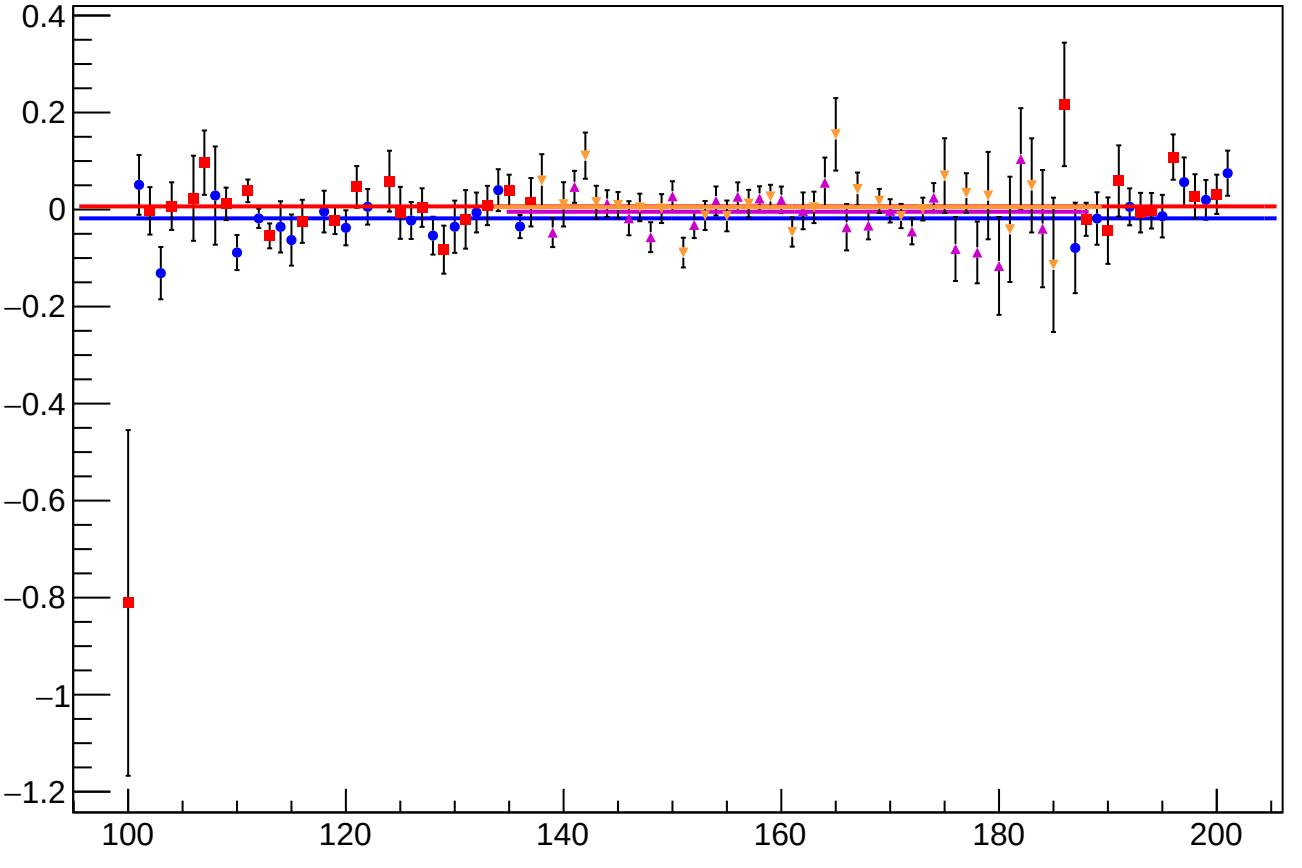
Right: 27.000+/-0.004 χ^2/NDF: 5460819.2/50

In: 27.161+/-0.004 χ^2/NDF:5605427.1/45

Out: 27.503+/-0.004 χ^2/NDF:6471824.1/52

All: 27.337+/-0.003 χ^2/NDF: 12081456.8/98

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 32.2/27

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

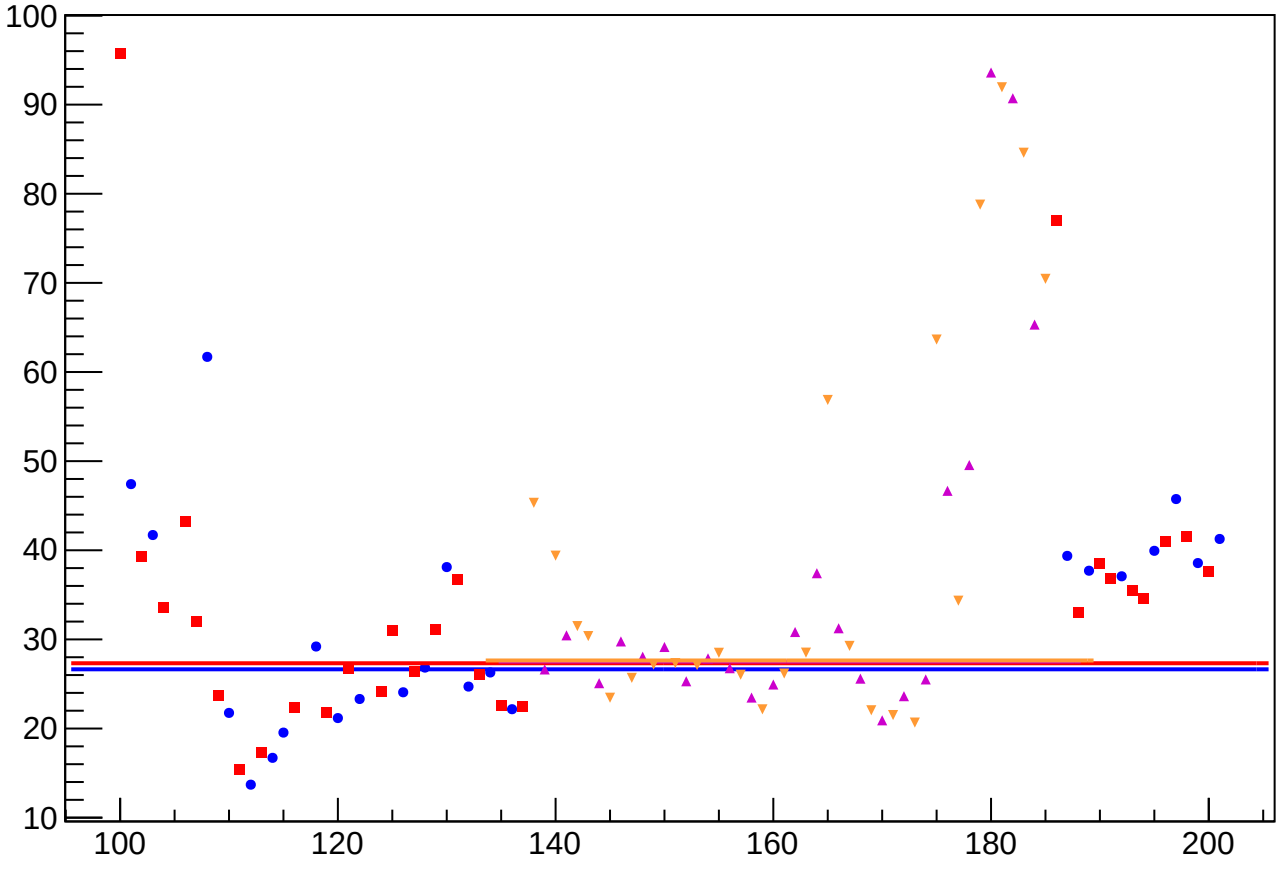
Right: -0.005+/-0.006 χ^2/NDF: 59.2/50

In: -0.010+/-0.005 χ^2/NDF:49.2/45

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 114.3/98

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: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

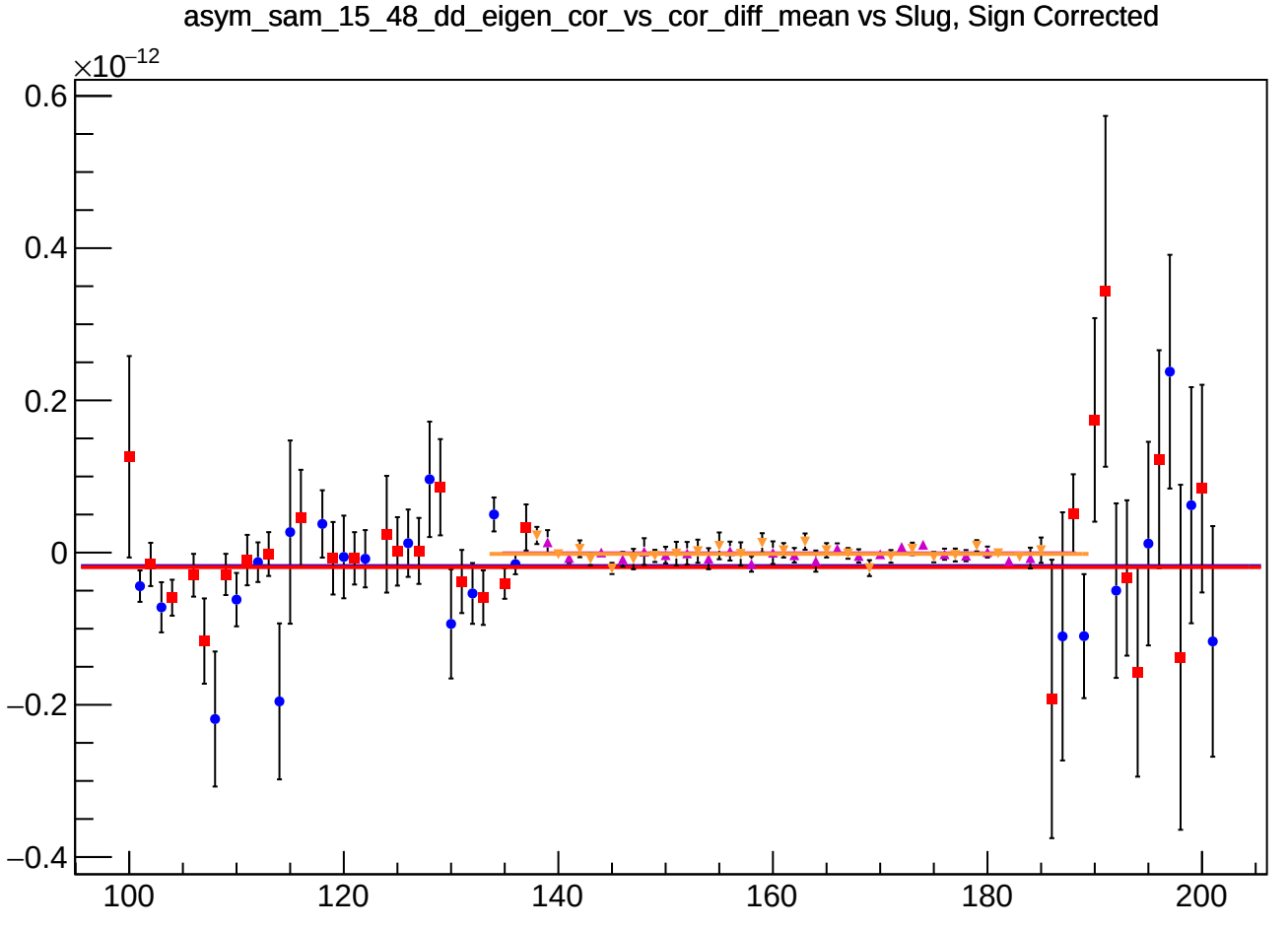
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.000+/-0.004 χ^2/NDF: 5460819.2/50

In: 27.161+/-0.004 χ^2/NDF:5605427.1/45

Out: 27.503+/-0.004 χ^2/NDF:6471824.1/52

All: 27.337+/-0.003 χ^2/NDF: 12081456.8/98



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: 28.3/27

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

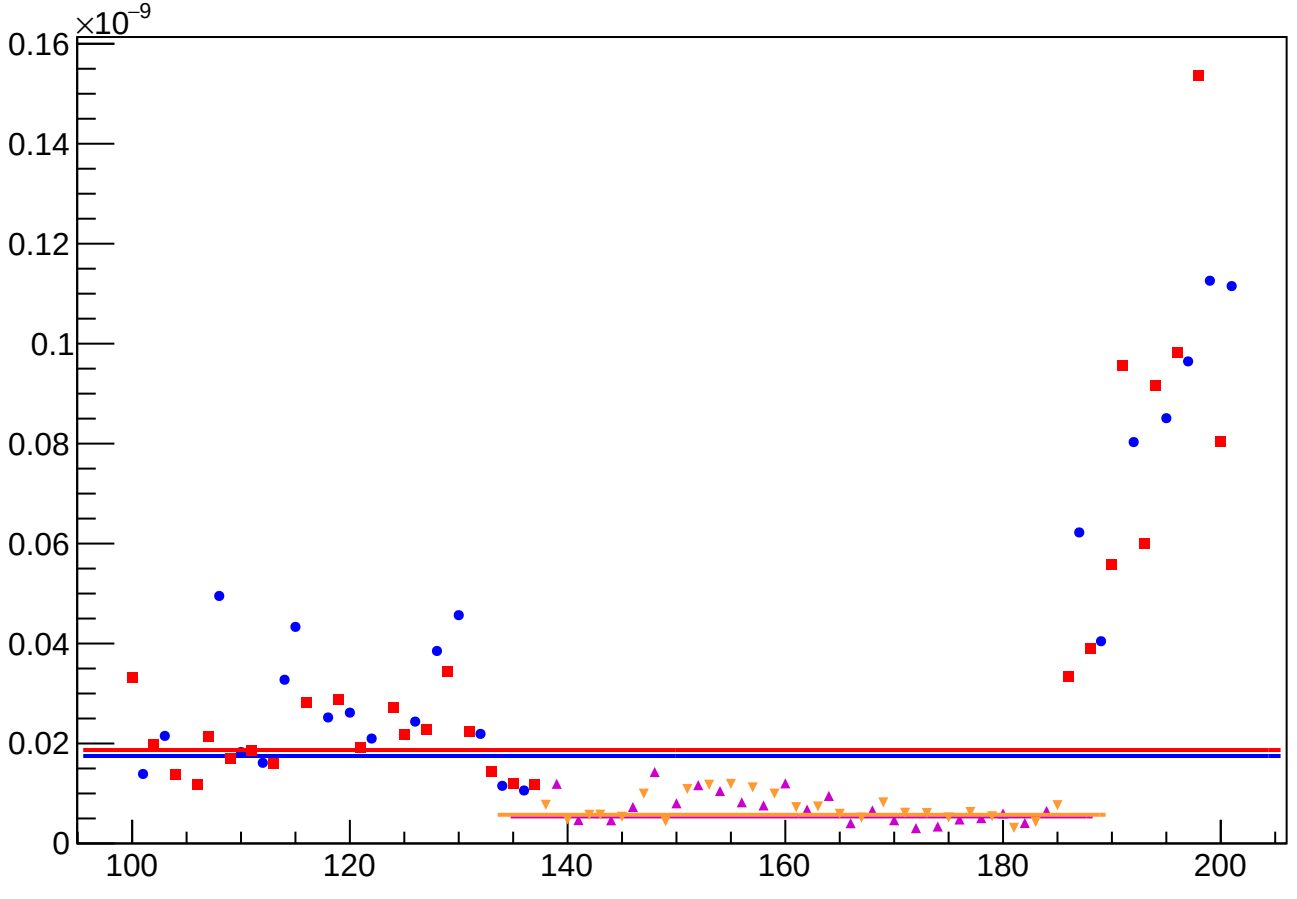
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/50

In: -0.000+/-0.000 χ^2/NDF:56.1/45

Out: -0.000+/-0.000 χ^2/NDF:57.5/52

All: -0.000+/-0.000 χ^2/NDF: 113.7/98



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: 4267735.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

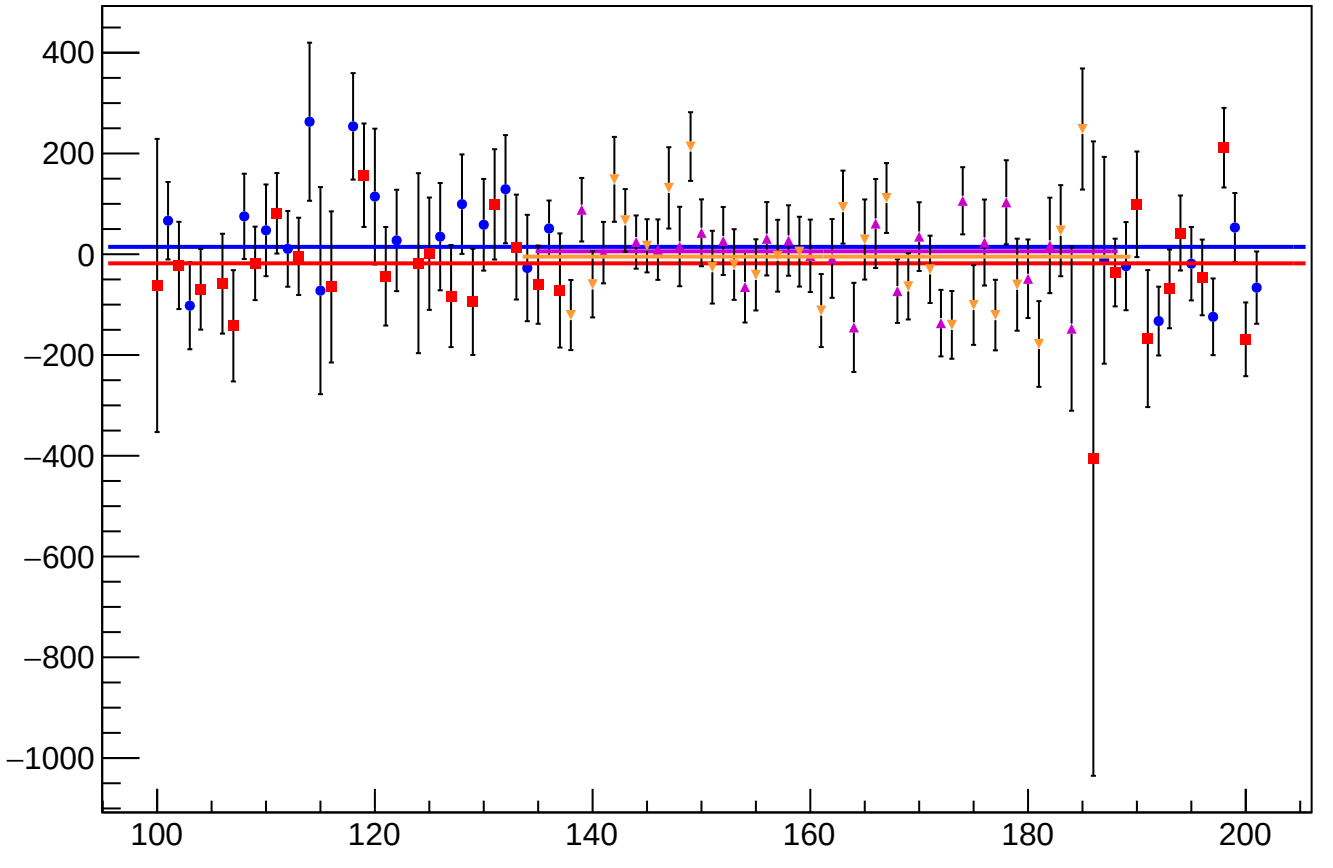
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9603849.1/50

In: 0.000+/-0.000 χ^2/NDF:13533130.6/45

Out: 0.000+/-0.000 χ^2/NDF:12286942.6/52

All: 0.000+/-0.000 χ^2/NDF: 25868271.0/98



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: -18.059+/-17.677 χ^2/NDF: 26.1/27

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

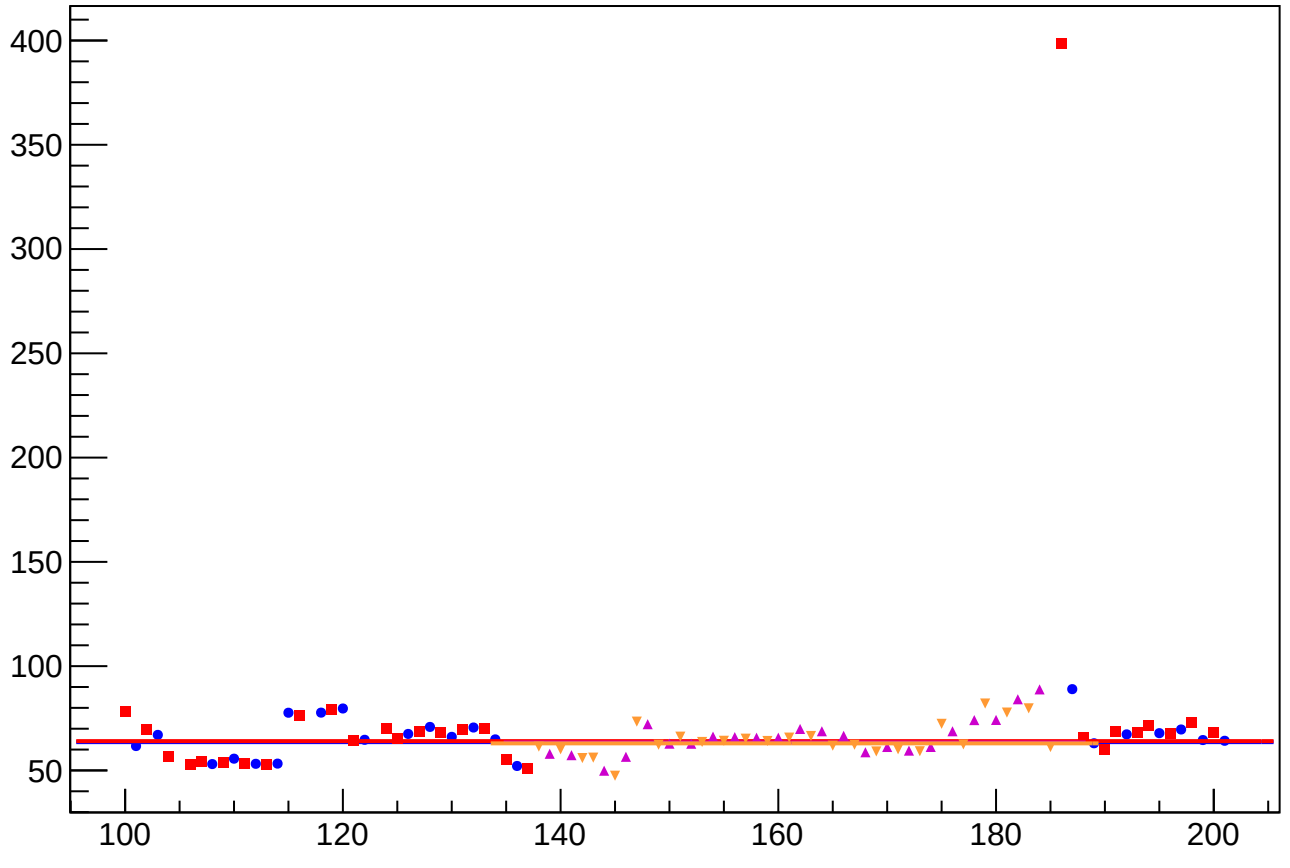
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -2.251+/-12.701 χ^2/NDF: 51.7/50

In: 9.320+/-11.559 χ^2/NDF:42.4/45

Out: -10.068+/-11.179 χ^2/NDF:73.8/52

All: -0.698+/-8.036 χ^2/NDF: 117.6/98



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: 64.053+/-0.012 χ^2/NDF: 955119.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

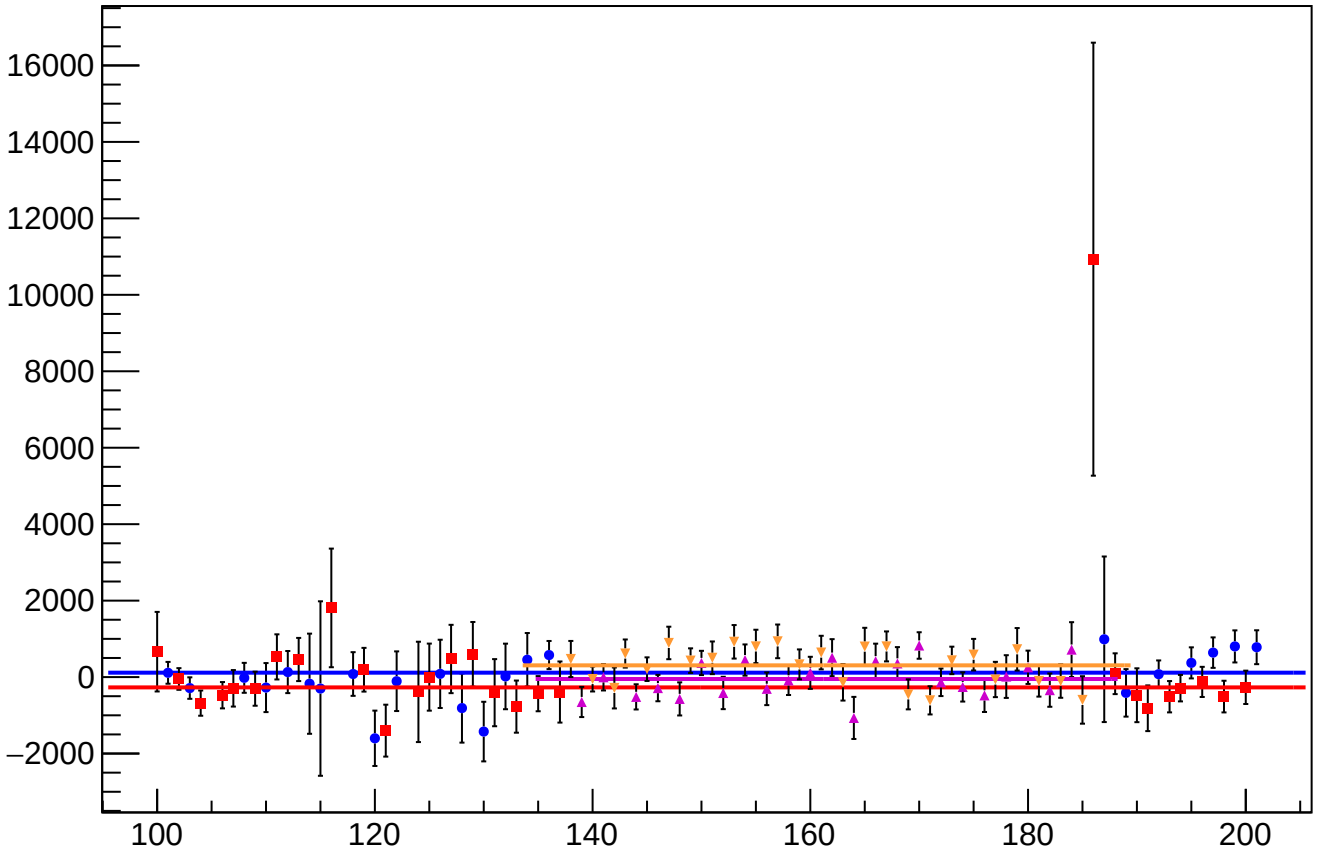
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.818+/-0.009 χ^2/NDF: 1293220.5/50

In: 63.446+/-0.008 χ^2/NDF:834442.1/45

Out: 63.407+/-0.008 χ^2/NDF:1486429.8/52

All: 63.426+/-0.006 χ^2/NDF: 2320883.9/98



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: -269.683+/-96.900 χ^2/NDF: 20.7/27

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

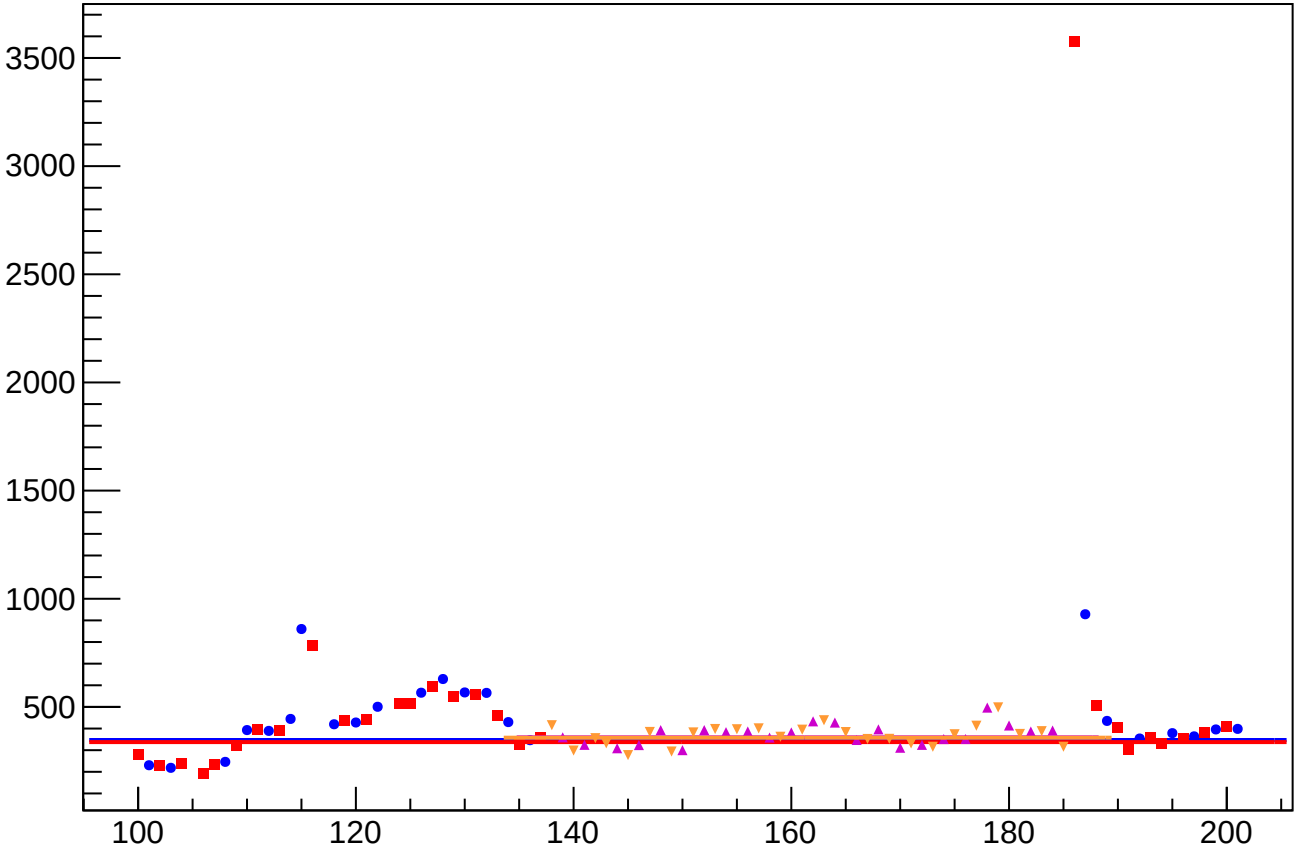
Right: -90.049+/-70.778 χ^2/NDF: 51.1/50

In: 16.354+/-65.646 χ^2/NDF:51.9/45

Out: 65.230+/-62.755 χ^2/NDF:71.9/52

All: 41.892+/-45.362 χ^2/NDF: 124.1/98

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: 337.383+/-0.069 χ^2/NDF: 2833176.6/27

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

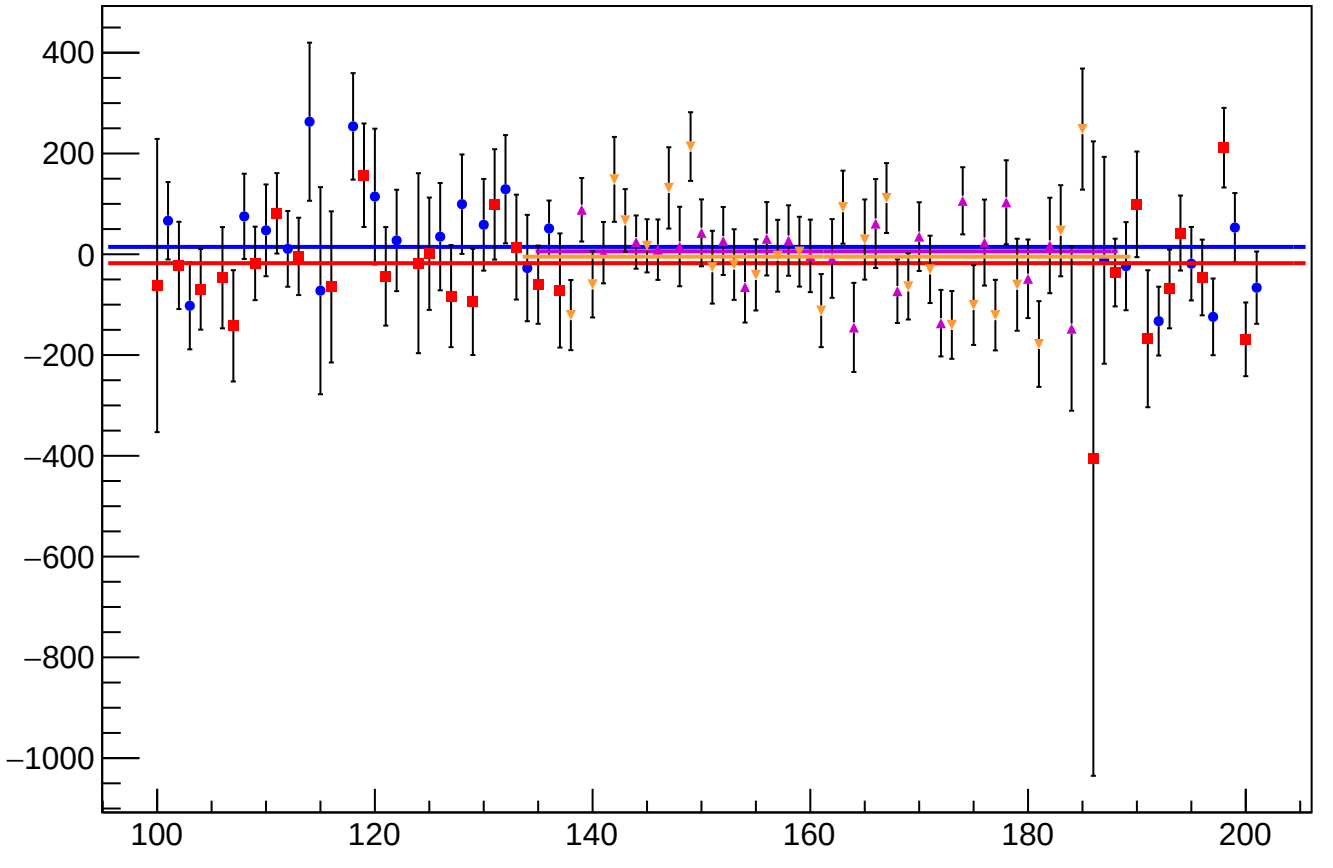
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 341.891+/-0.050 χ^2/NDF: 4883427.1/50

In: 354.413+/-0.046 χ^2/NDF:2577607.2/45

Out: 349.197+/-0.044 χ^2/NDF:3568112.9/52

All: 351.687+/-0.032 χ^2/NDF: 6152319.0/98



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: -17.653+/-17.685 χ^2/NDF: 26.0/27

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

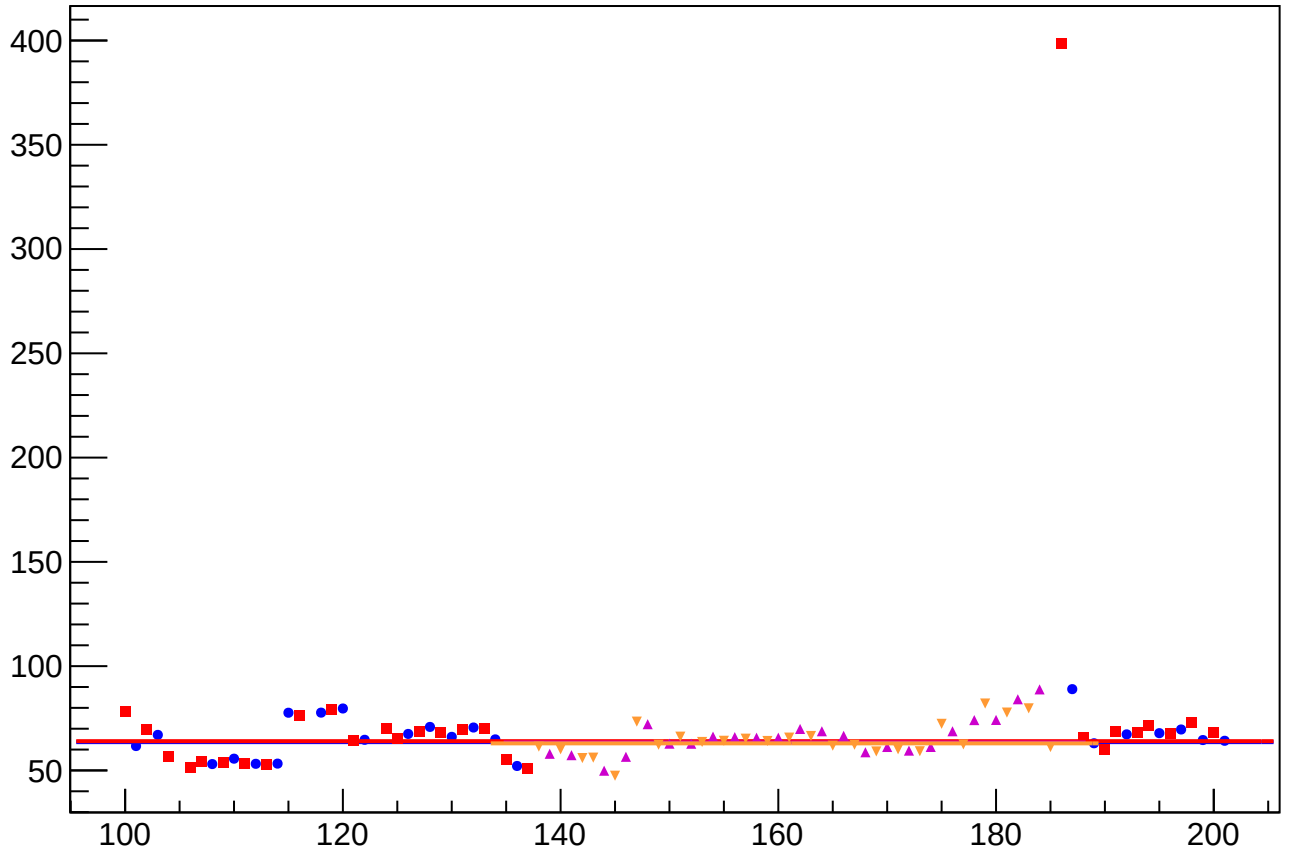
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -2.037+/-12.704 χ^2/NDF: 51.6/50

In: 9.316+/-11.559 χ^2/NDF:42.5/45

Out: -9.906+/-11.181 χ^2/NDF:73.6/52

All: -0.614+/-8.036 χ^2/NDF: 117.5/98



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: 64.030+/-0.013 χ^2/NDF: 959452.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

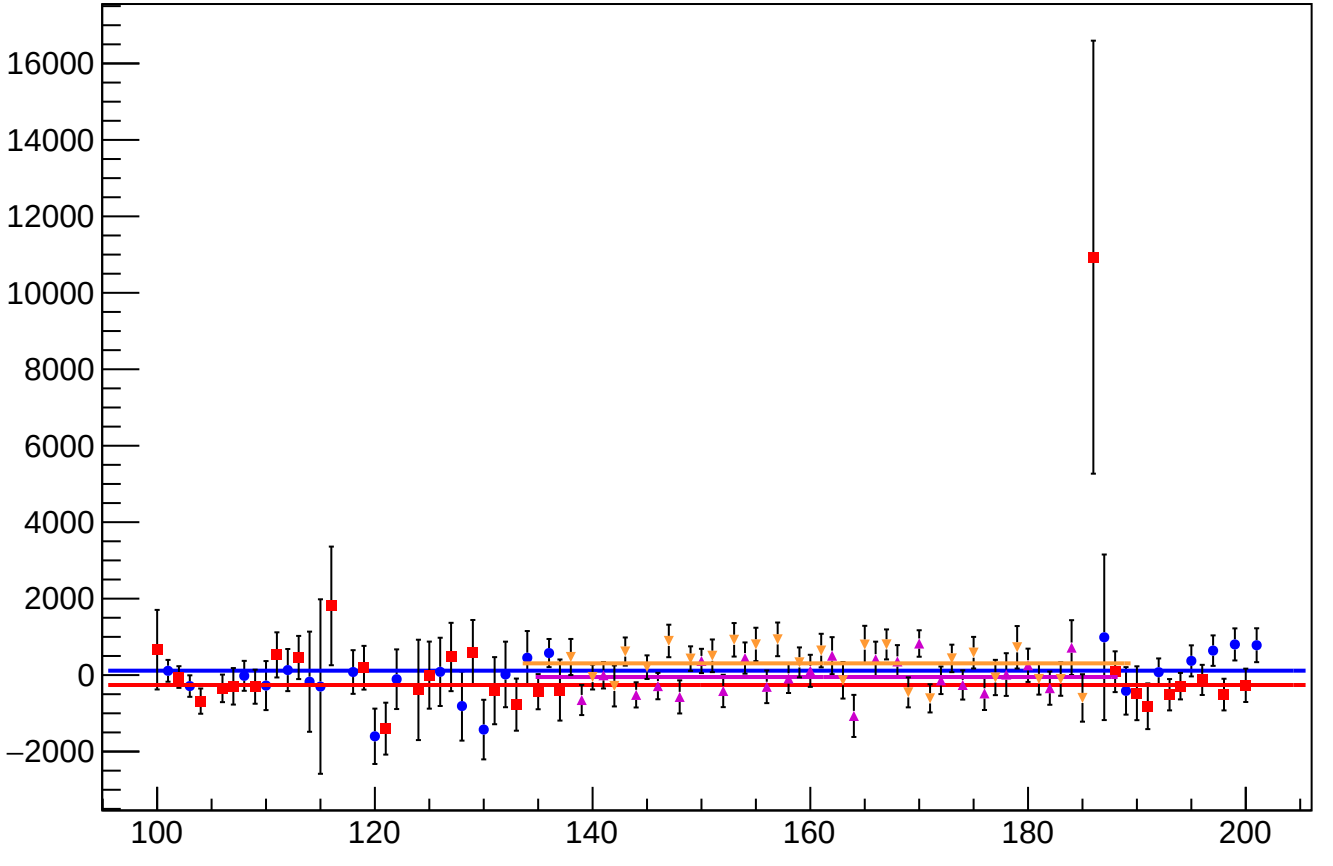
Right: 63.806+/-0.009 χ^2/NDF: 1297487.8/50

In: 63.446+/-0.008 χ^2/NDF:834442.2/45

Out: 63.398+/-0.008 χ^2/NDF:1490578.3/52

All: 63.421+/-0.006 χ^2/NDF: 2325038.7/98

asym_sam_37_48_dd_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: -259.223+/-97.243 χ^2/NDF: 20.4/27

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

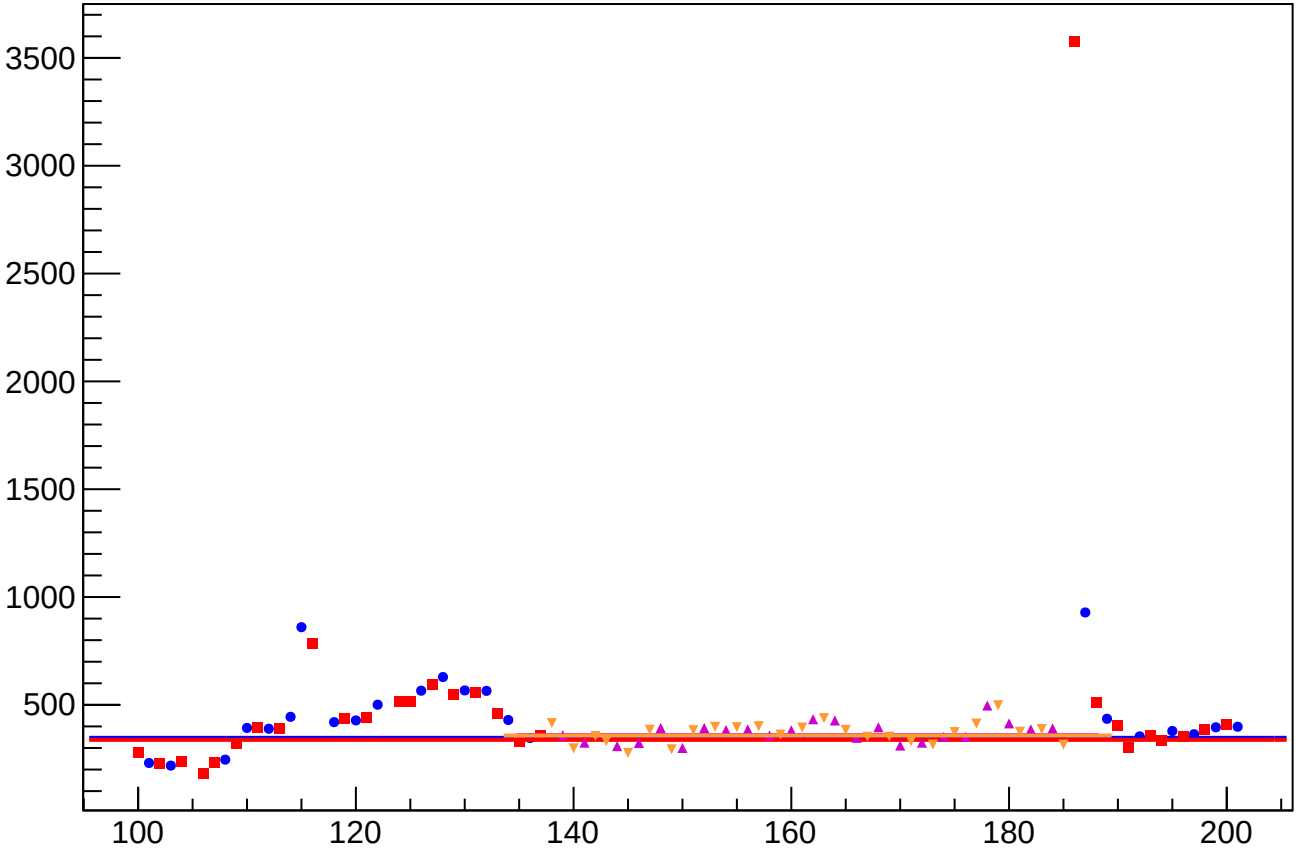
Right: -83.805+/-70.912 χ^2/NDF: 50.4/50

In: 16.359+/-65.646 χ^2/NDF:51.9/45

Out: 70.588+/-62.848 χ^2/NDF:70.8/52

All: 44.653+/-45.397 χ^2/NDF: 123.0/98

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: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

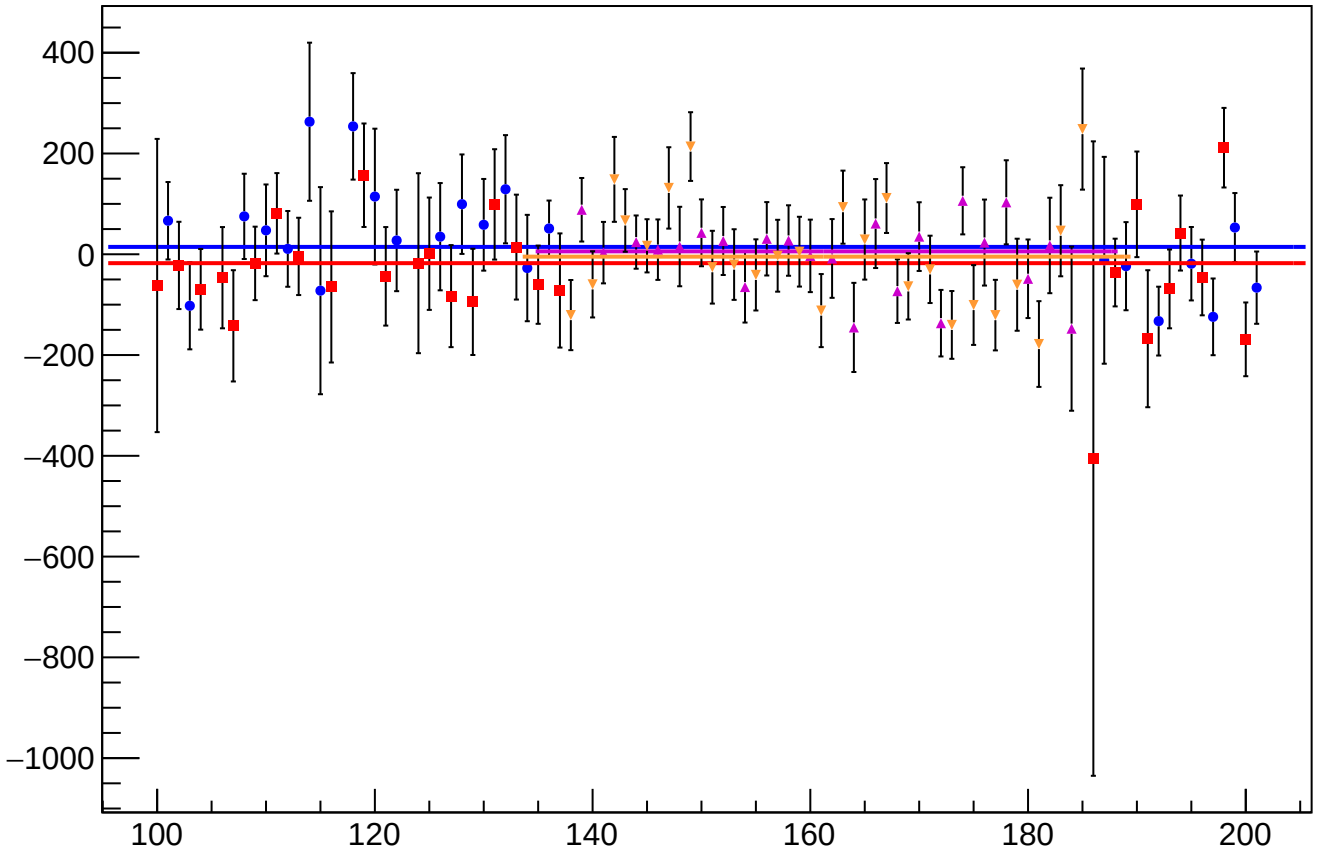
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 342.060+/-0.050 χ^2/NDF: 4899184.8/50

In: 354.414+/-0.046 χ^2/NDF:2577527.9/45

Out: 349.351+/-0.044 χ^2/NDF:3582878.8/52

All: 351.772+/-0.032 χ^2/NDF: 6166614.4/98



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: -17.653+/-17.685 χ^2/NDF: 26.0/27

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

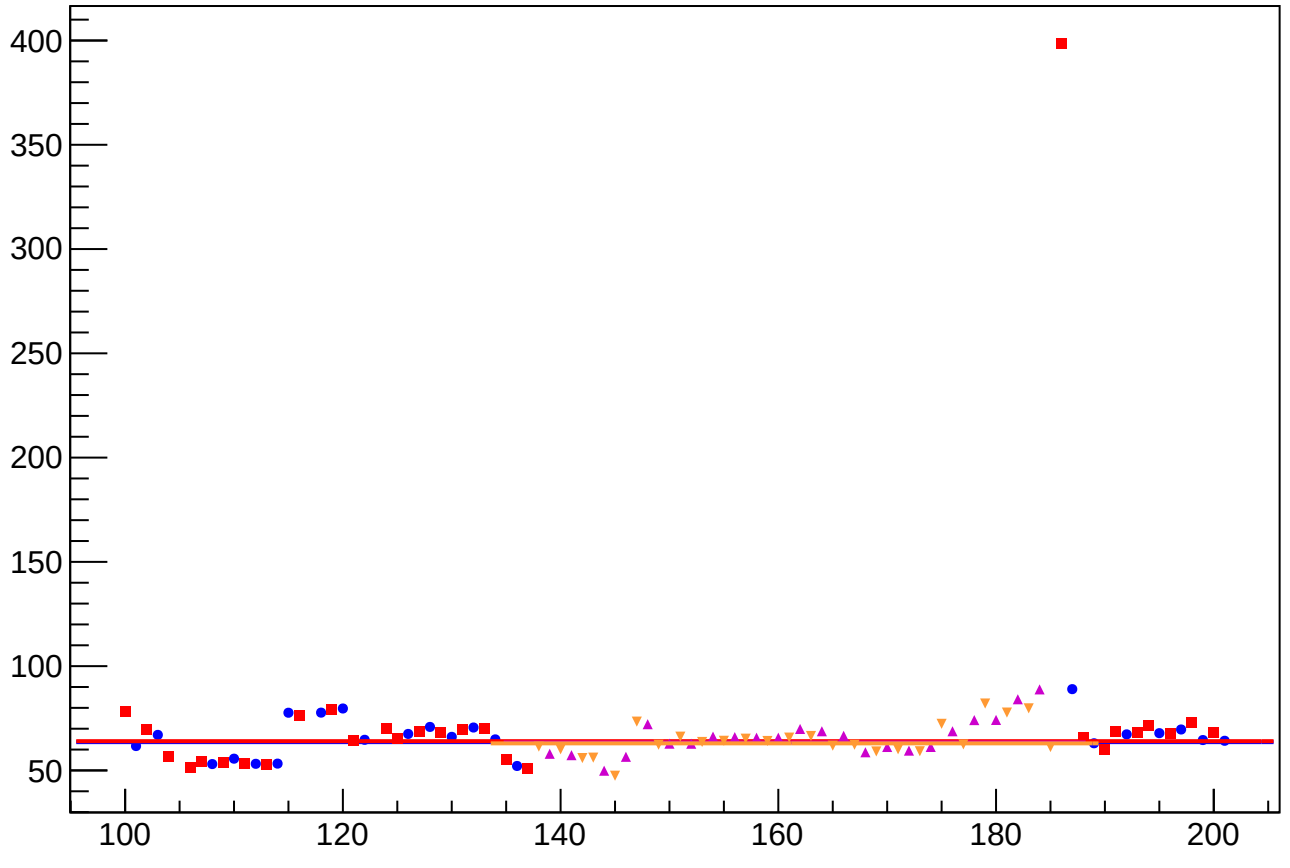
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -2.037+/-12.704 χ^2/NDF: 51.6/50

In: 9.316+/-11.559 χ^2/NDF:42.5/45

Out: -9.906+/-11.181 χ^2/NDF:73.6/52

All: -0.614+/-8.036 χ^2/NDF: 117.5/98



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: 64.030+/-0.013 χ^2/NDF: 959452.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

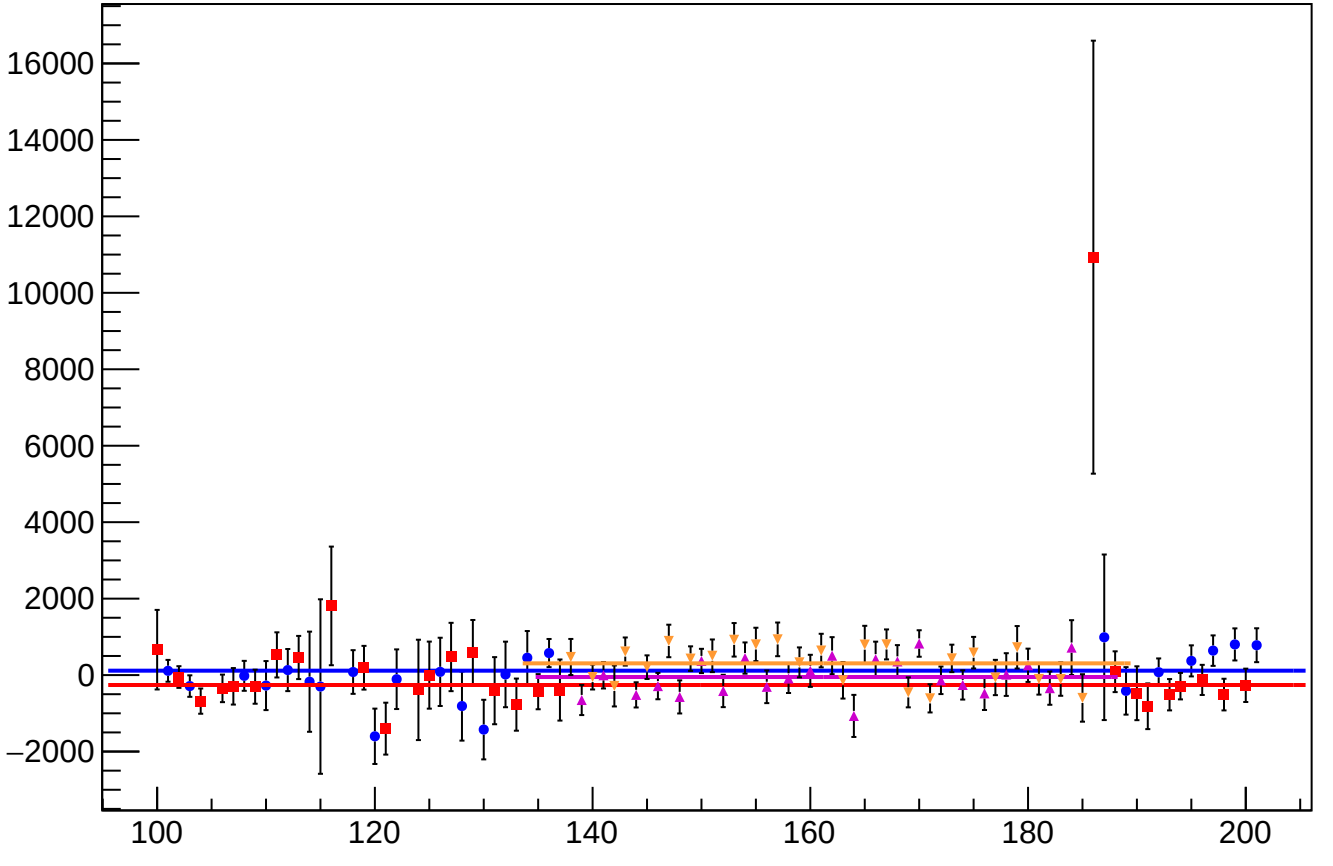
Right: 63.806+/-0.009 χ^2/NDF: 1297487.8/50

In: 63.446+/-0.008 χ^2/NDF:834442.2/45

Out: 63.398+/-0.008 χ^2/NDF:1490578.3/52

All: 63.421+/-0.006 χ^2/NDF: 2325038.7/98

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: -259.223+/-97.243 χ^2/NDF: 20.4/27

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

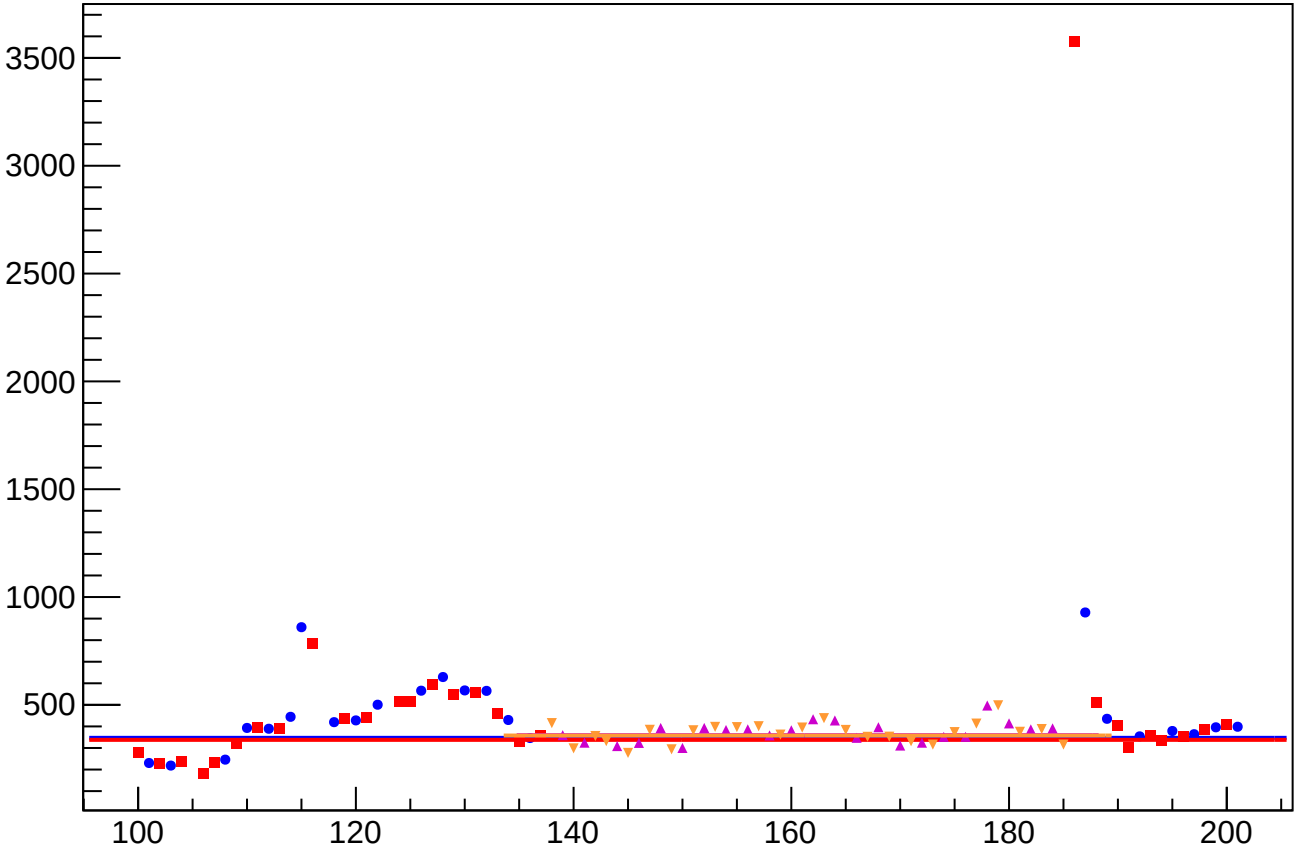
Right: -83.805+/-70.912 χ^2/NDF: 50.4/50

In: 16.359+/-65.646 χ^2/NDF:51.9/45

Out: 70.588+/-62.848 χ^2/NDF:70.8/52

All: 44.653+/-45.397 χ^2/NDF: 123.0/98

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: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

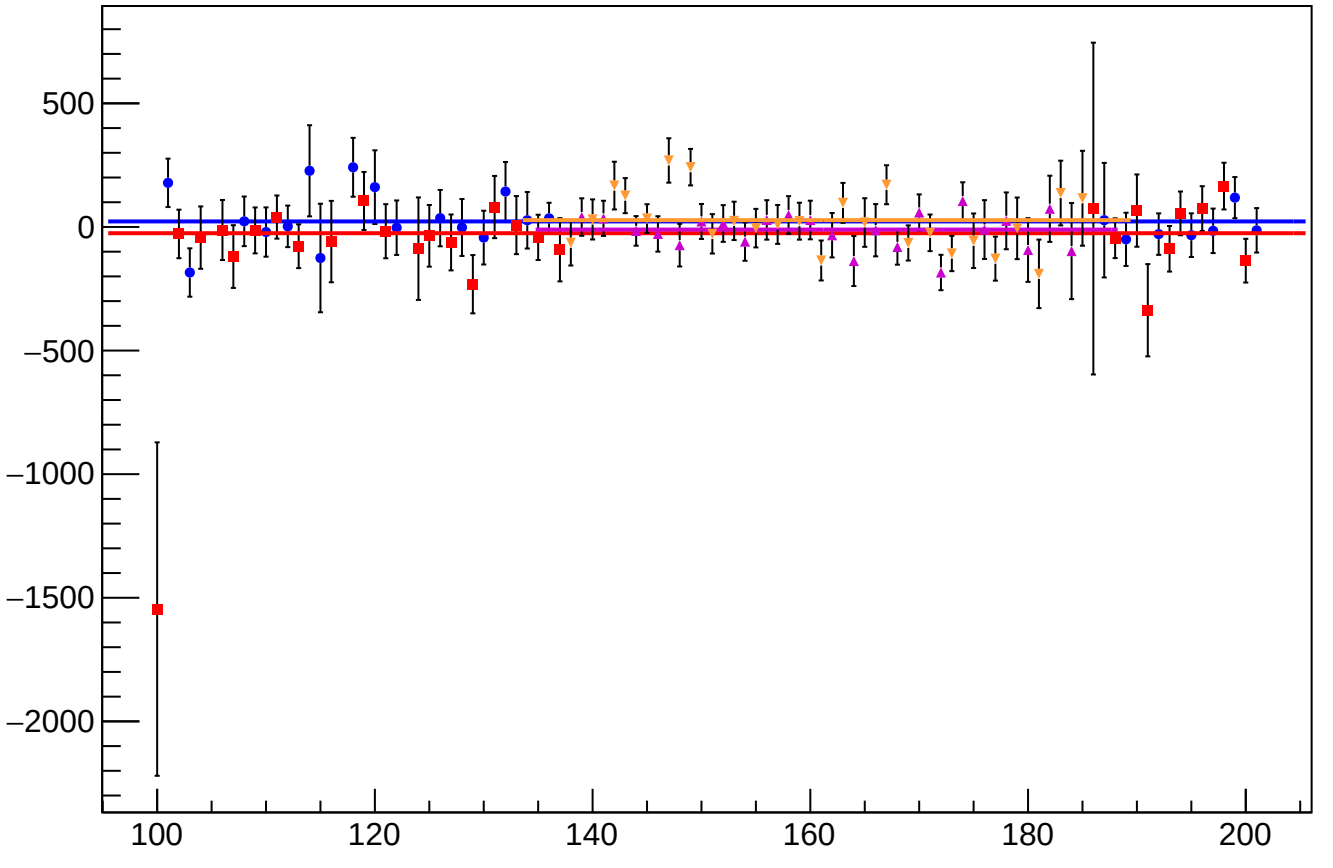
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 342.060+/-0.050 χ^2/NDF: 4899184.8/50

In: 354.414+/-0.046 χ^2/NDF:2577527.9/45

Out: 349.351+/-0.044 χ^2/NDF:3582878.8/52

All: 351.772+/-0.032 χ^2/NDF: 6166614.4/98



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: -25.292+/-21.036 χ^2/NDF: 23.7/27

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

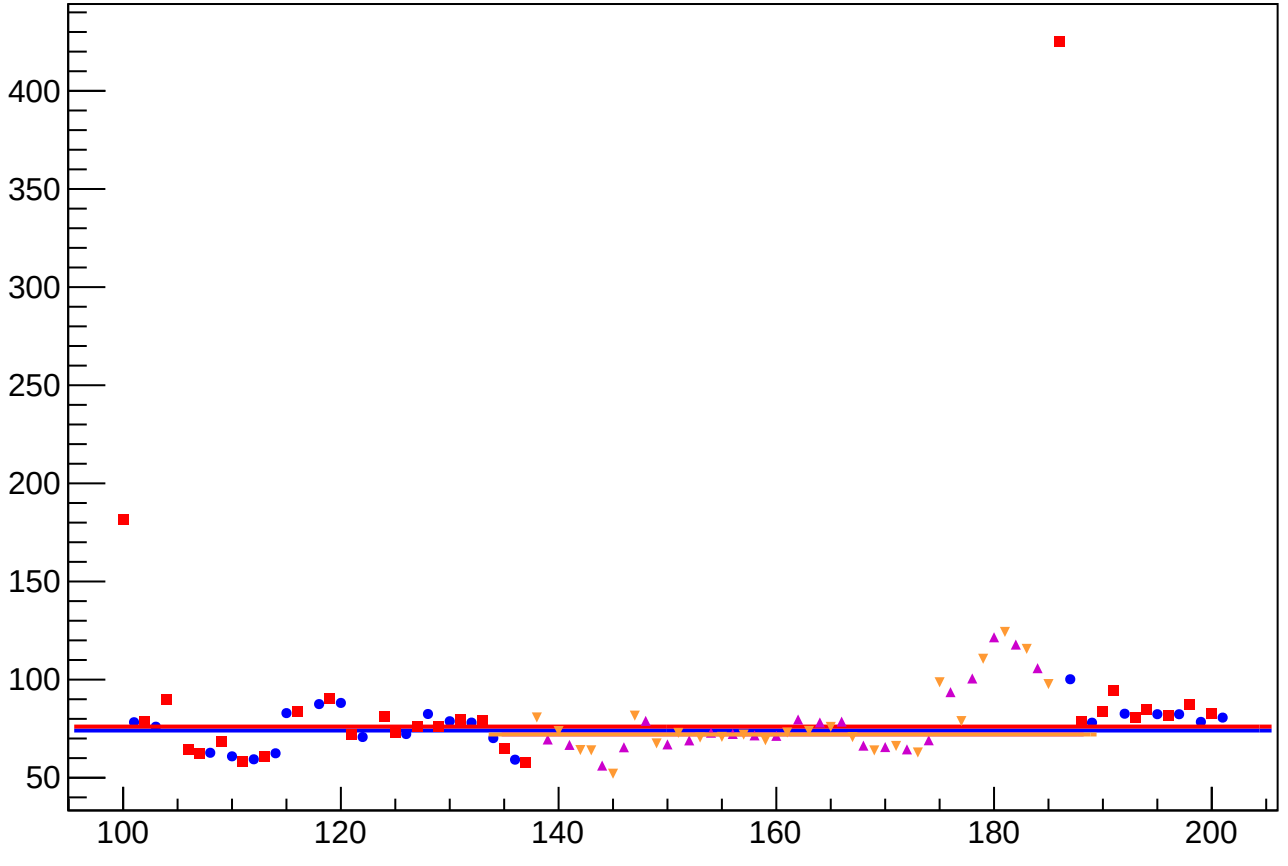
Right: -1.773+/-14.974 χ^2/NDF: 43.8/50

In: 2.475+/-13.398 χ^2/NDF:35.1/45

Out: 7.105+/-13.100 χ^2/NDF:69.9/52

All: 4.842+/-9.367 χ^2/NDF: 105.1/98

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 76.068+/-0.015 χ^2/NDF: 1024824.1/27

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

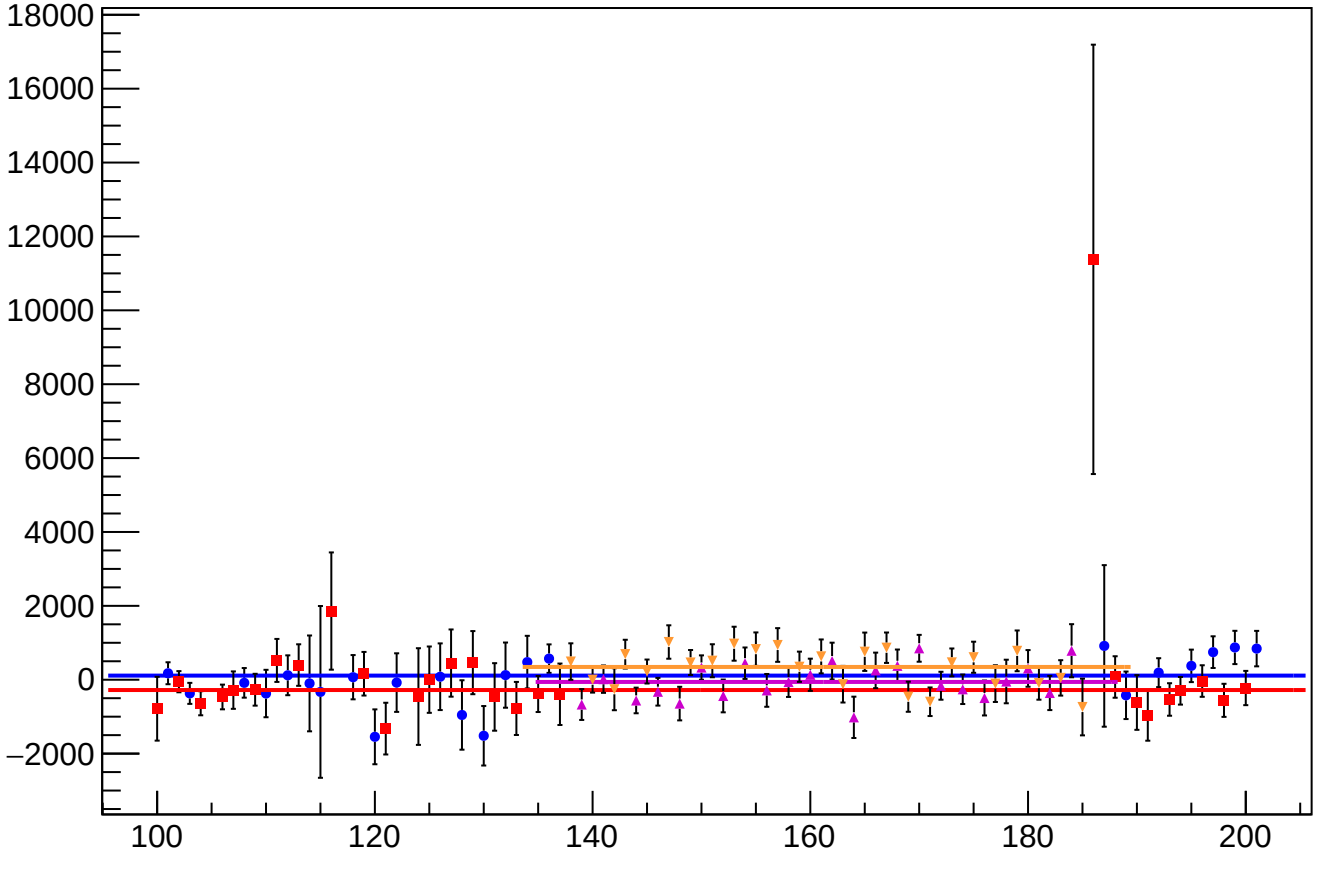
Right: 75.080+/-0.011 χ^2/NDF: 1446628.1/50

In: 72.872+/-0.009 χ^2/NDF:1482092.9/45

Out: 73.603+/-0.009 χ^2/NDF:2339179.6/52

All: 73.245+/-0.007 χ^2/NDF: 3824315.5/98

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: -278.961+/-99.822 χ^2/NDF: 19.2/27

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

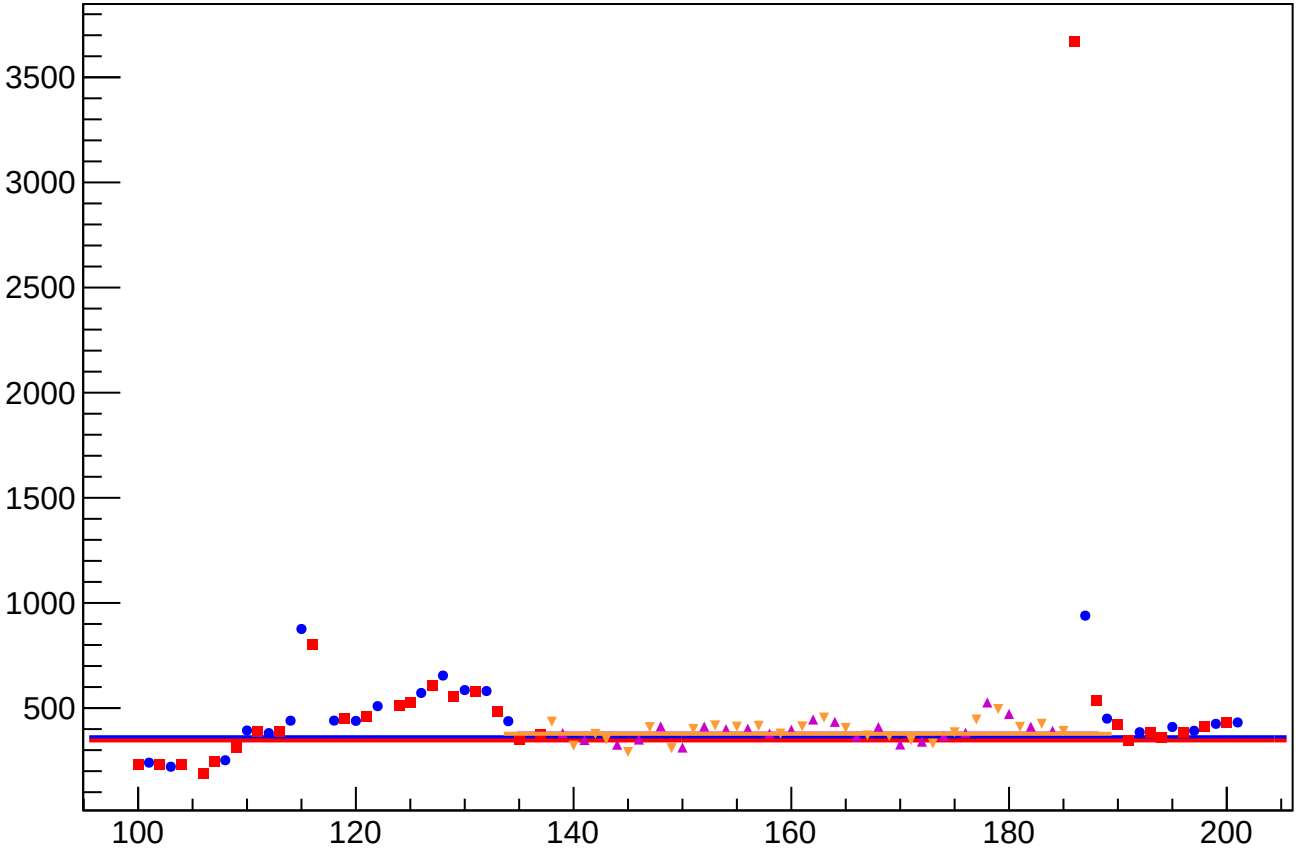
Right: -99.103+/-73.317 χ^2/NDF: 50.8/50

In: 9.801+/-68.881 χ^2/NDF:51.8/45

Out: 76.822+/-65.510 χ^2/NDF:70.5/52

All: 44.992+/-47.470 χ^2/NDF: 122.8/98

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: 346.010+/-0.071 χ^2/NDF: 3101477.0/27

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

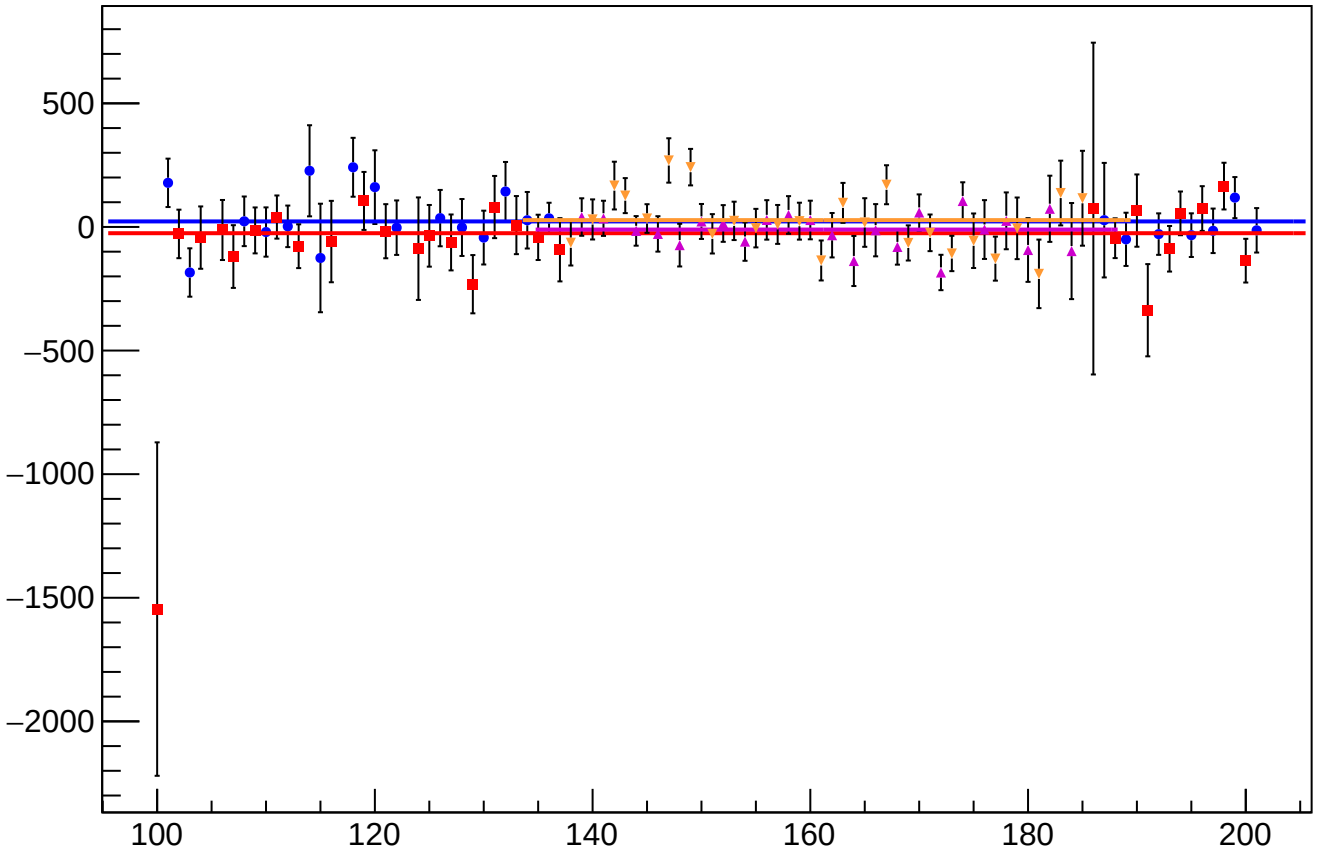
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 353.102+/-0.052 χ^2/NDF: 5239104.9/50

In: 371.772+/-0.049 χ^2/NDF:2674388.8/45

Out: 364.106+/-0.046 χ^2/NDF:3853650.2/52

All: 367.747+/-0.034 χ^2/NDF: 6541044.9/98



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: -25.292+/-21.036 χ^2/NDF: 23.7/27

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

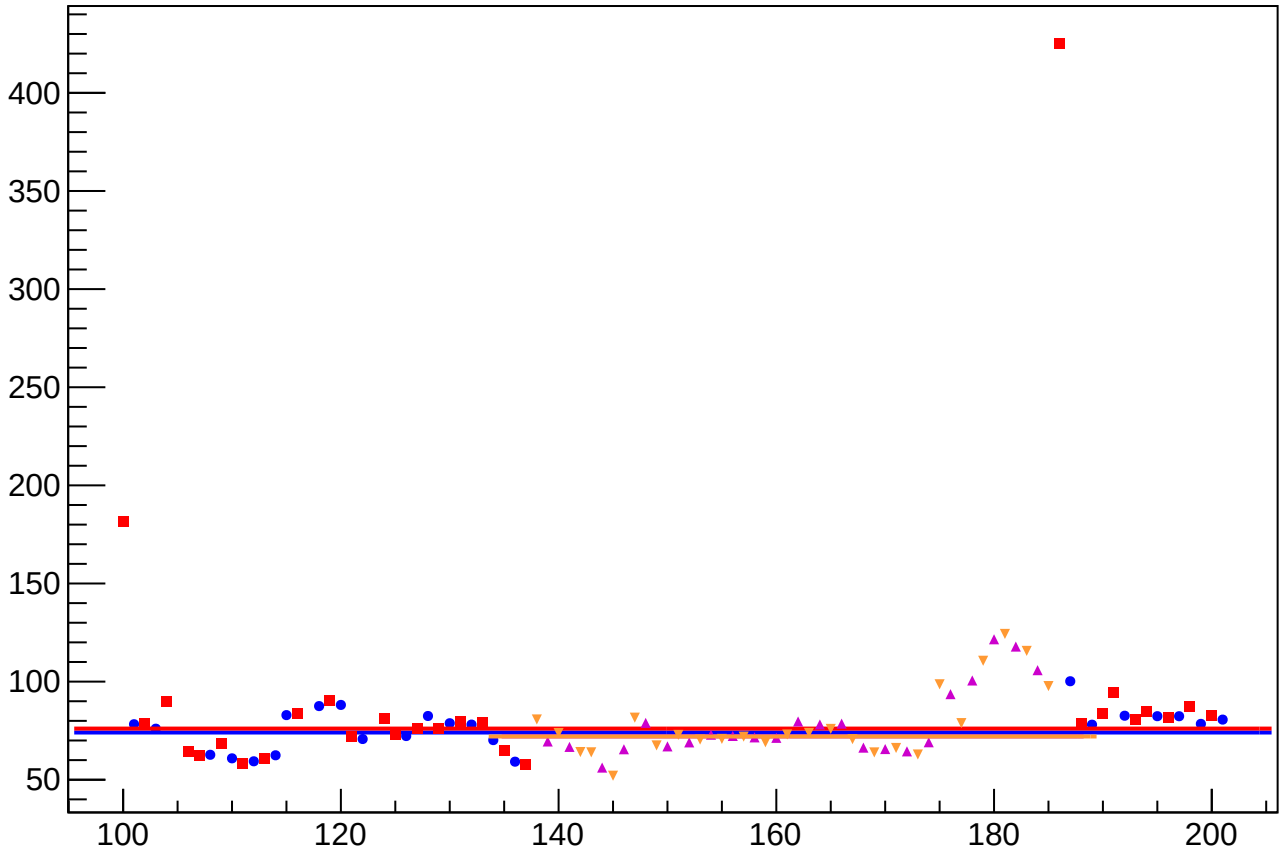
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.773+/-14.974 χ^2/NDF: 43.8/50

In: 2.475+/-13.398 χ^2/NDF:35.1/45

Out: 7.105+/-13.100 χ^2/NDF:69.9/52

All: 4.842+/-9.367 χ^2/NDF: 105.1/98



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: 76.068+/-0.015 χ^2/NDF: 1024820.5/27

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

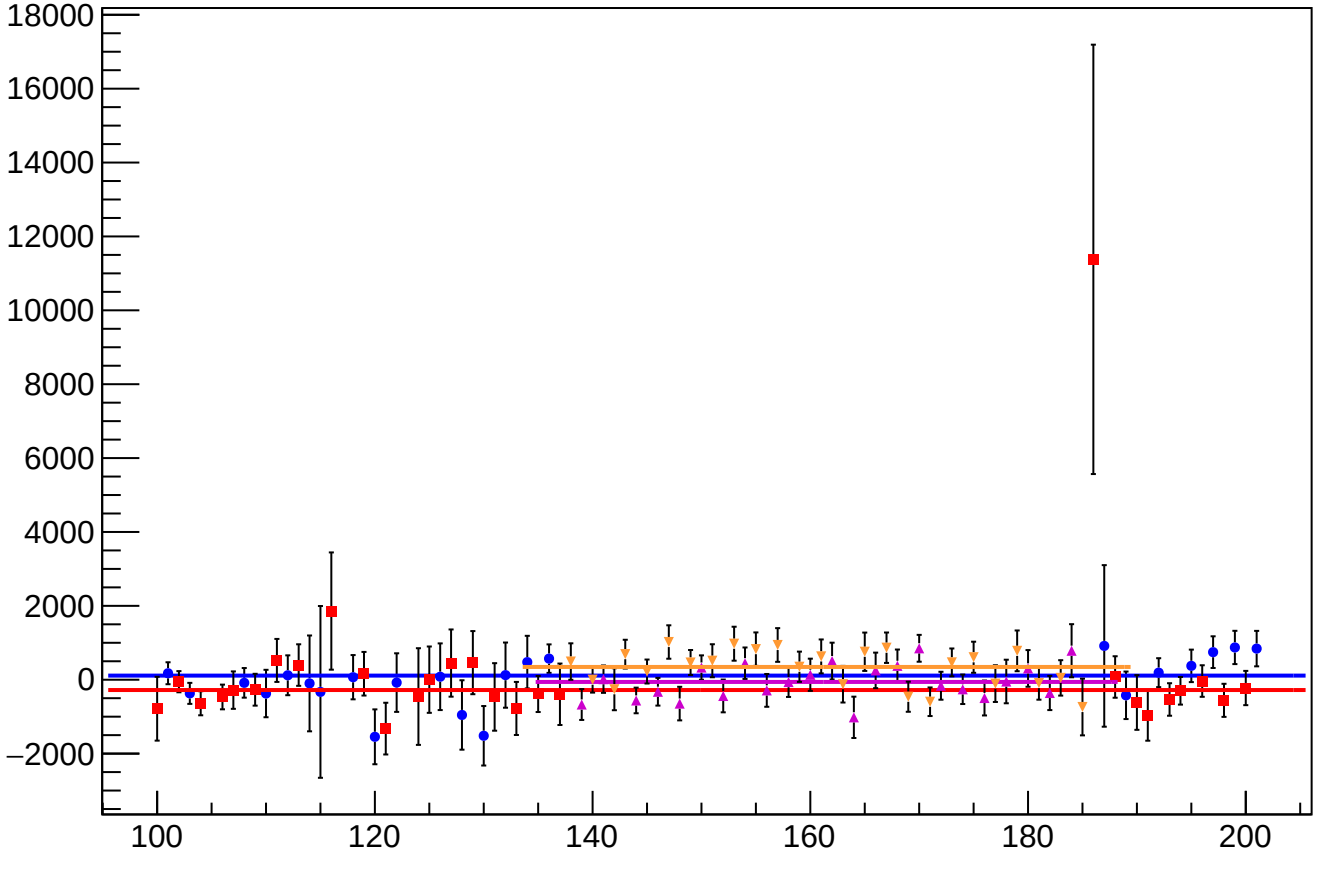
Right: 75.080+/-0.011 χ^2/NDF: 1446619.2/50

In: 72.872+/-0.009 χ^2/NDF:1482079.0/45

Out: 73.602+/-0.009 χ^2/NDF:2339182.5/52

All: 73.245+/-0.007 χ^2/NDF: 3824304.3/98

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: -278.960+/-99.822 χ^2/NDF: 19.2/27

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

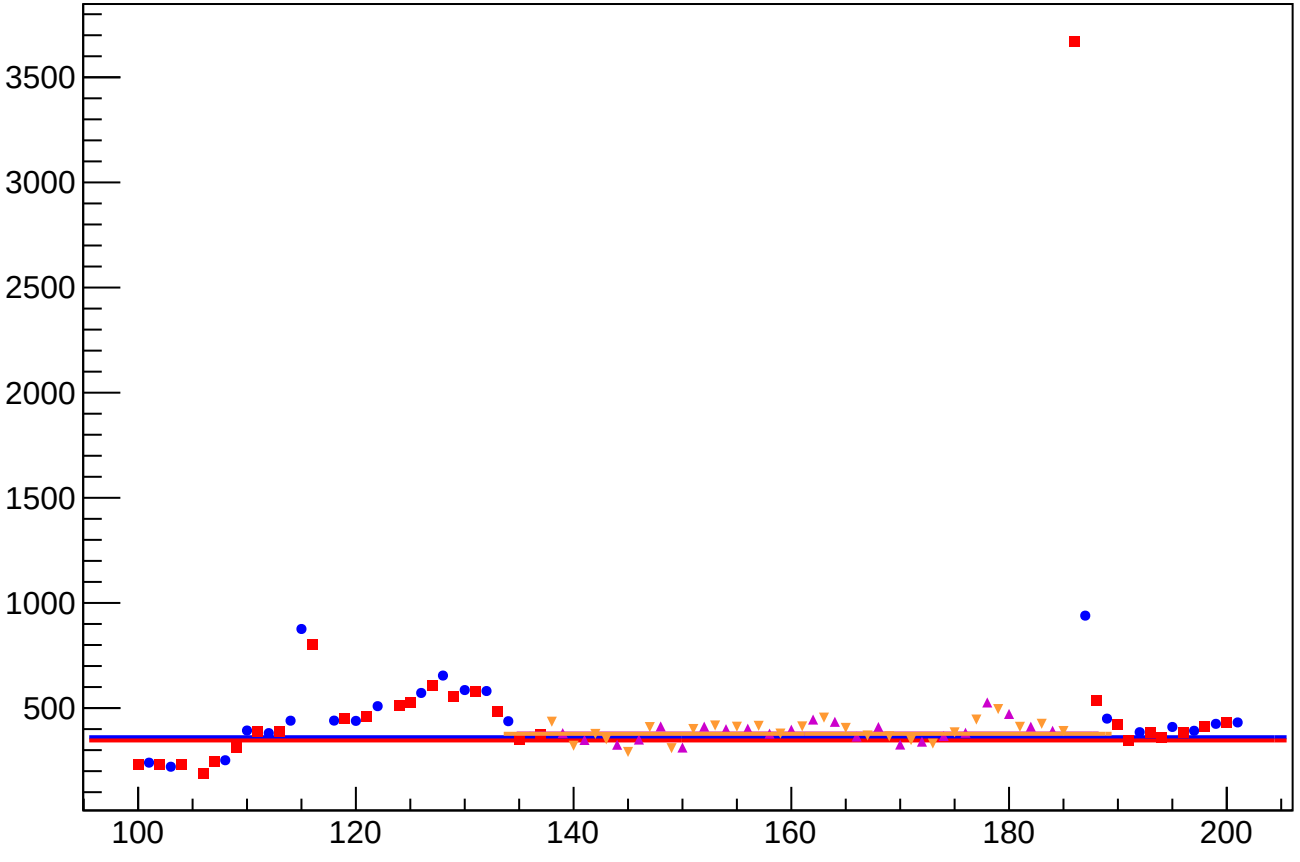
Right: -99.103+/-73.317 χ^2/NDF: 50.8/50

In: 9.801+/-68.881 χ^2/NDF:51.8/45

Out: 76.821+/-65.510 χ^2/NDF:70.5/52

All: 44.991+/-47.470 χ^2/NDF: 122.8/98

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: 346.010+/-0.071 χ^2/NDF: 3101464.9/27

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

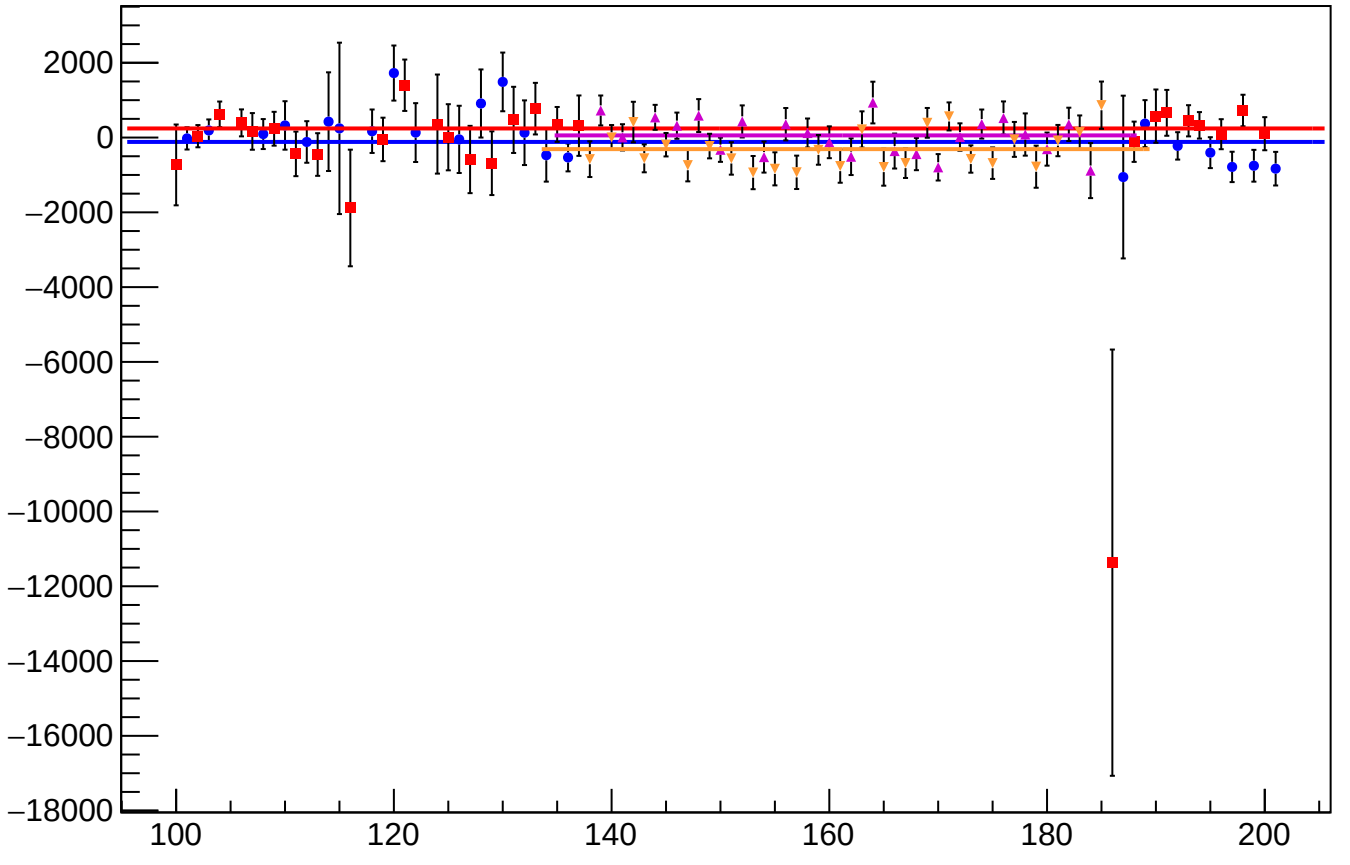
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 353.102+/-0.052 χ^2/NDF: 5239087.4/50

In: 371.772+/-0.049 χ^2/NDF:2674377.3/45

Out: 364.106+/-0.046 χ^2/NDF:3853637.2/52

All: 367.747+/-0.034 χ^2/NDF: 6541020.9/98



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: 243.276+/-99.236 χ^2/NDF: 20.4/27

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

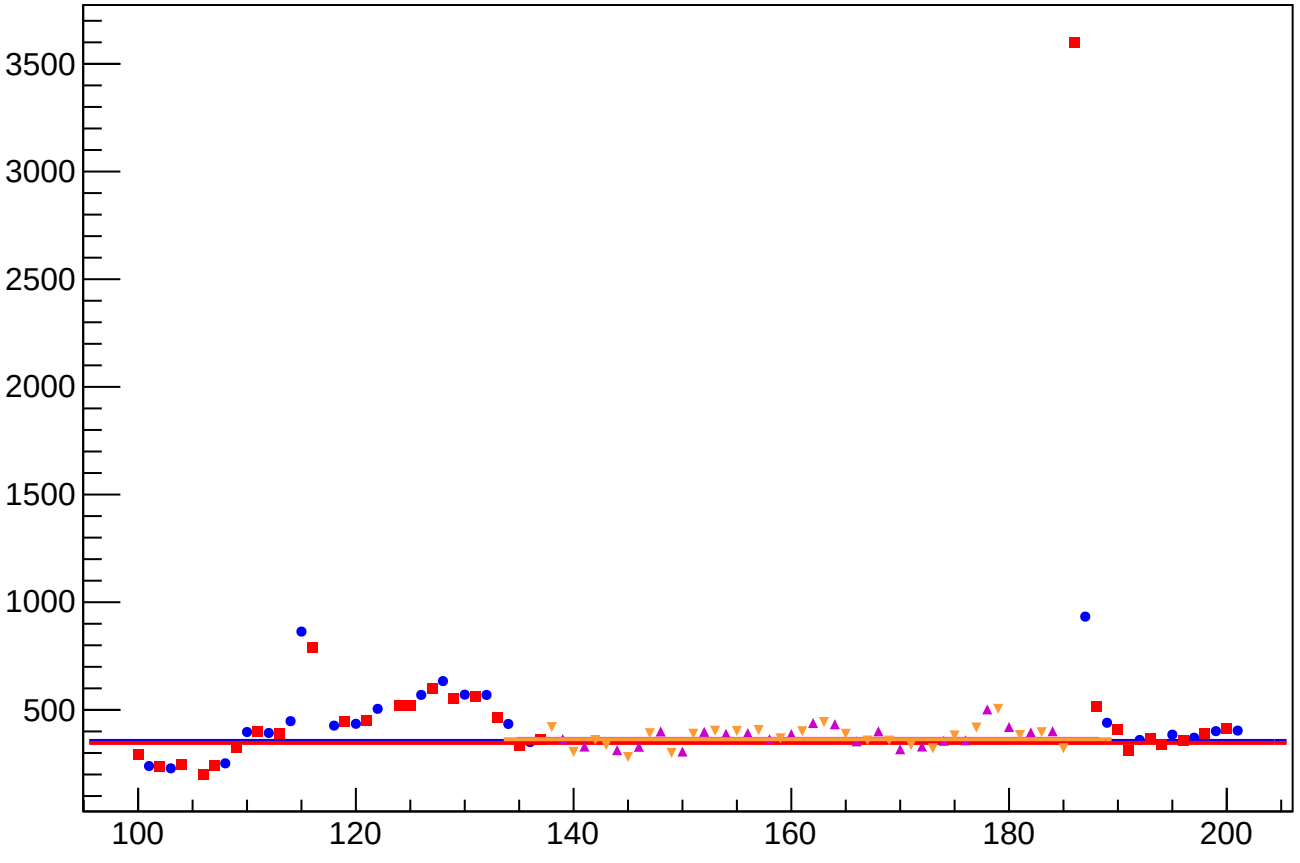
Right: 74.967+/-72.424 χ^2/NDF: 51.1/50

In: -11.947+/-66.874 χ^2/NDF:54.2/45

Out: -79.604+/-63.983 χ^2/NDF:68.5/52

All: -47.269+/-46.231 χ^2/NDF: 123.2/98

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: 346.701+/-0.070 χ^2/NDF: 2671136.2/27

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

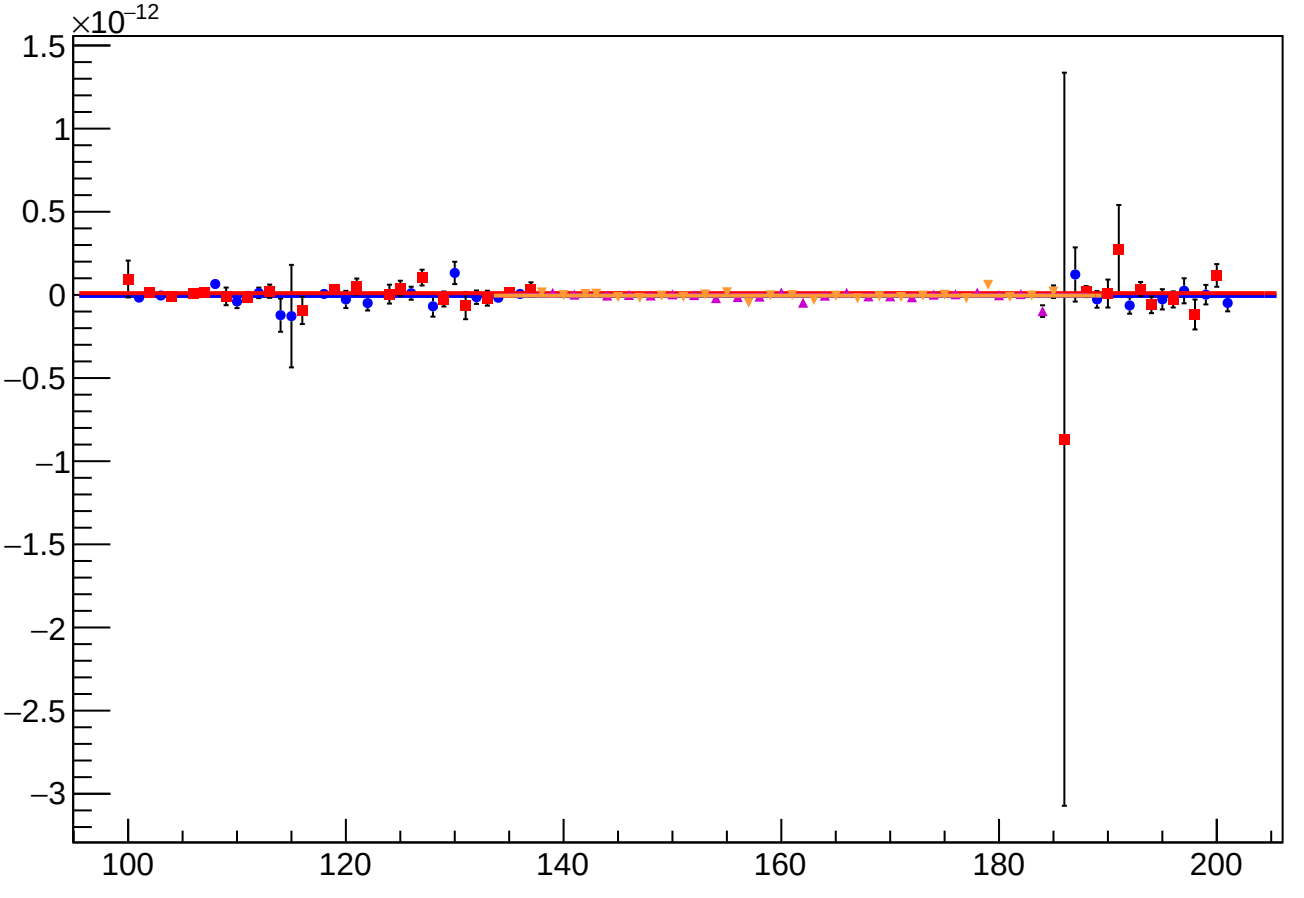
Right: 350.997+/-0.051 χ^2/NDF: 4577797.2/50

In: 361.566+/-0.047 χ^2/NDF:2417668.8/45

Out: 356.641+/-0.045 χ^2/NDF:3374729.1/52

All: 358.995+/-0.033 χ^2/NDF: 5798060.9/98

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 21.0/27

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

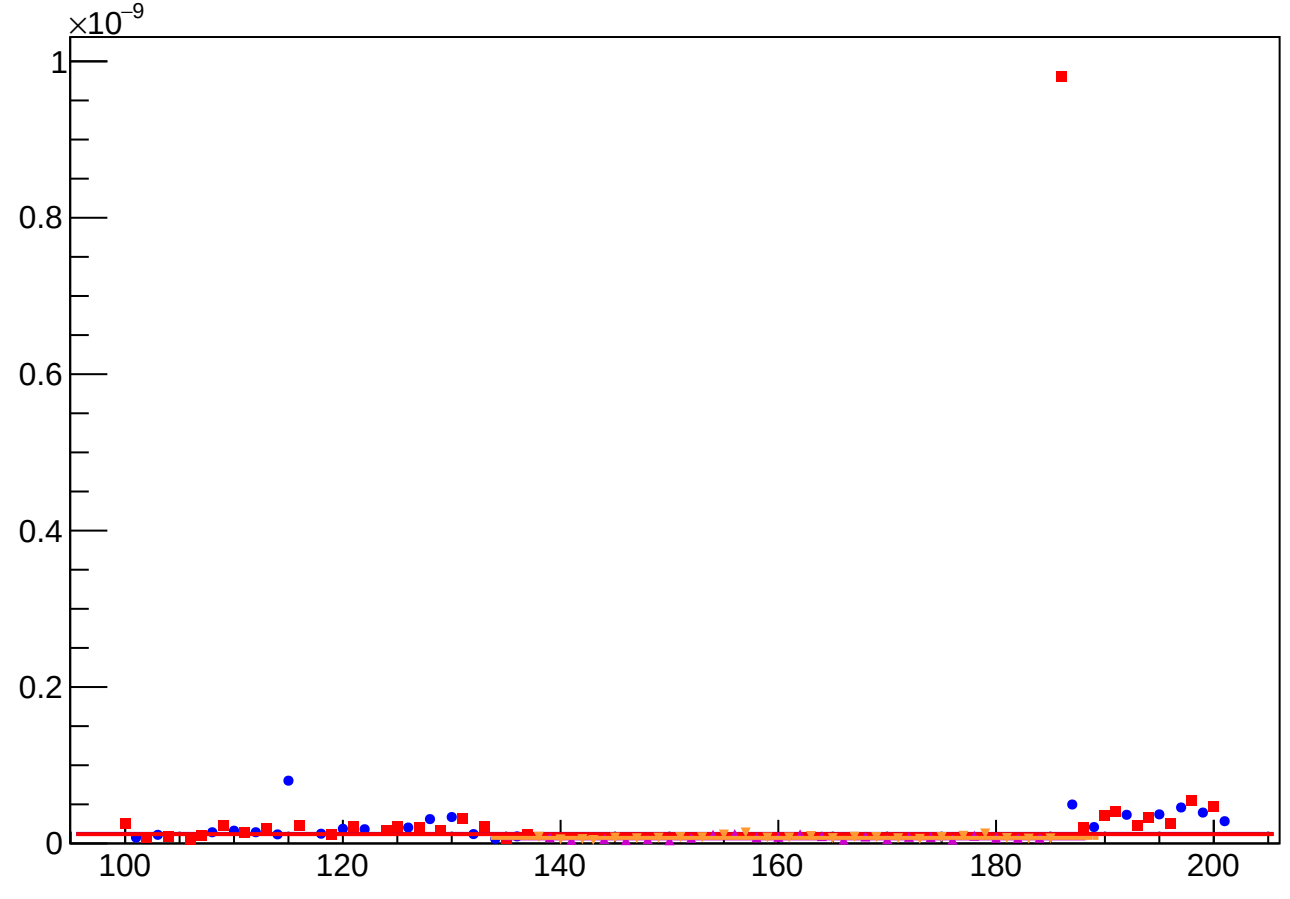
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/50

In: -0.000+/-0.000 χ^2/NDF:42.0/45

Out: -0.000+/-0.000 χ^2/NDF:47.8/52

All: -0.000+/-0.000 χ^2/NDF: 89.8/98



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: 3958412.4/27

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

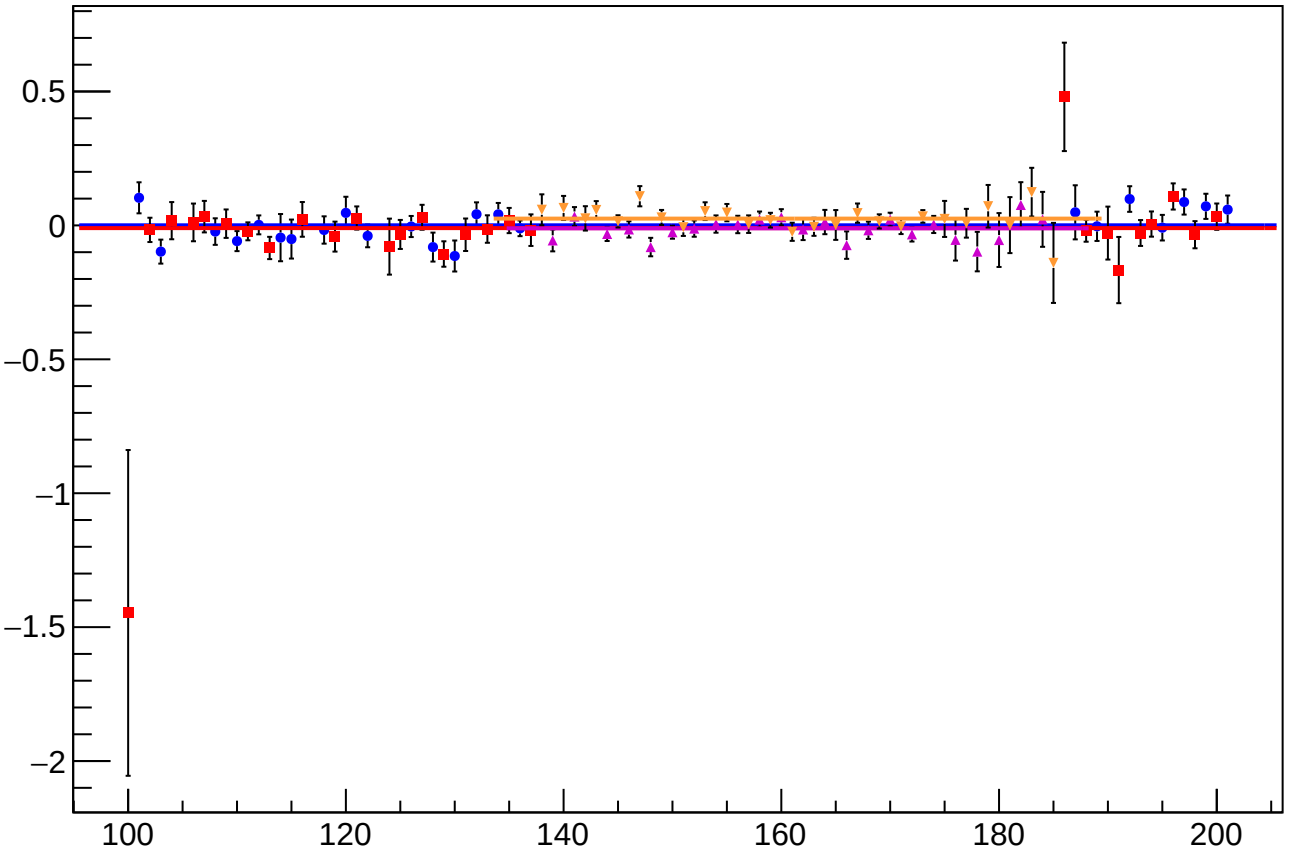
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7321005.5/50

In: 0.000+/-0.000 χ^2/NDF:6025968.6/45

Out: 0.000+/-0.000 χ^2/NDF:5870894.1/52

All: 0.000+/-0.000 χ^2/NDF: 11948896.4/98



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: -0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

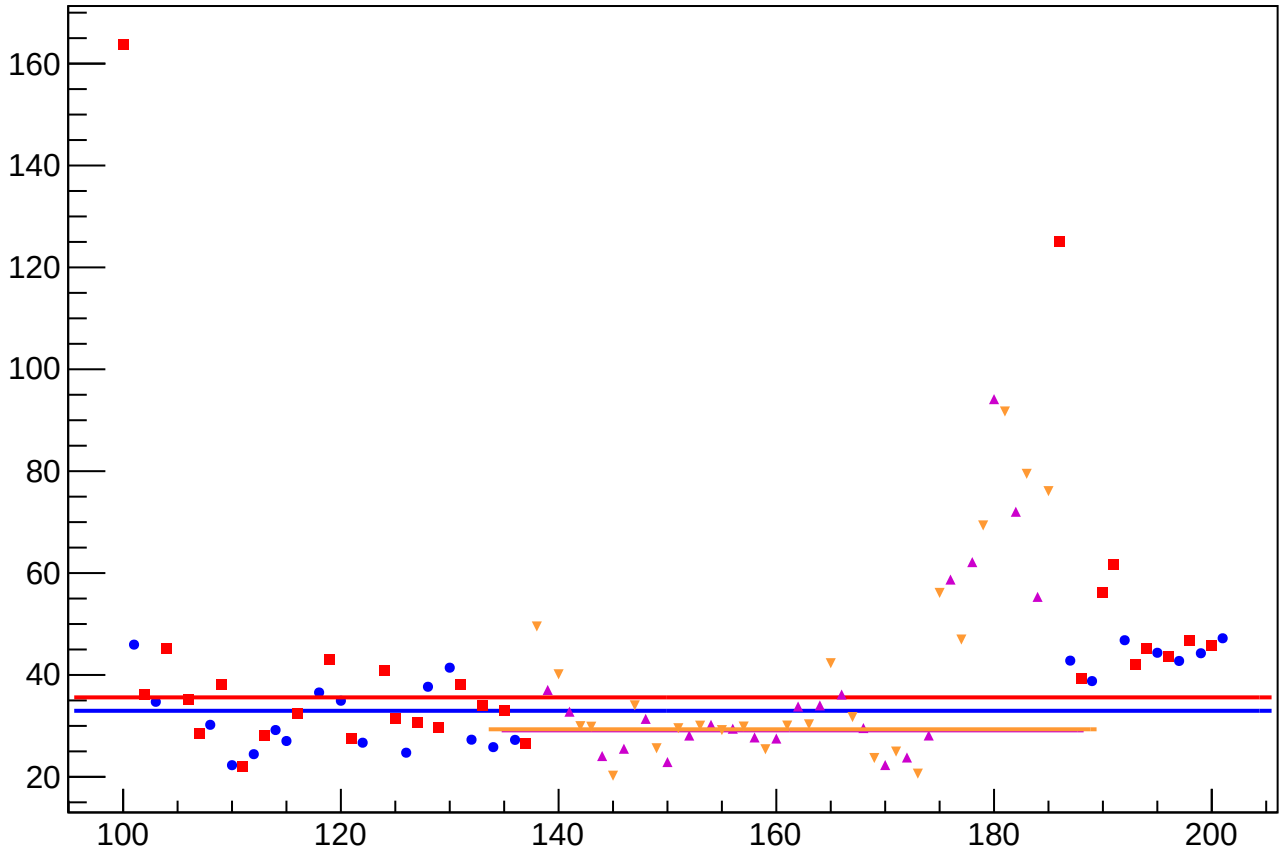
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.005+/-0.007 χ^2/NDF: 65.0/50

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 115.9/98



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: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

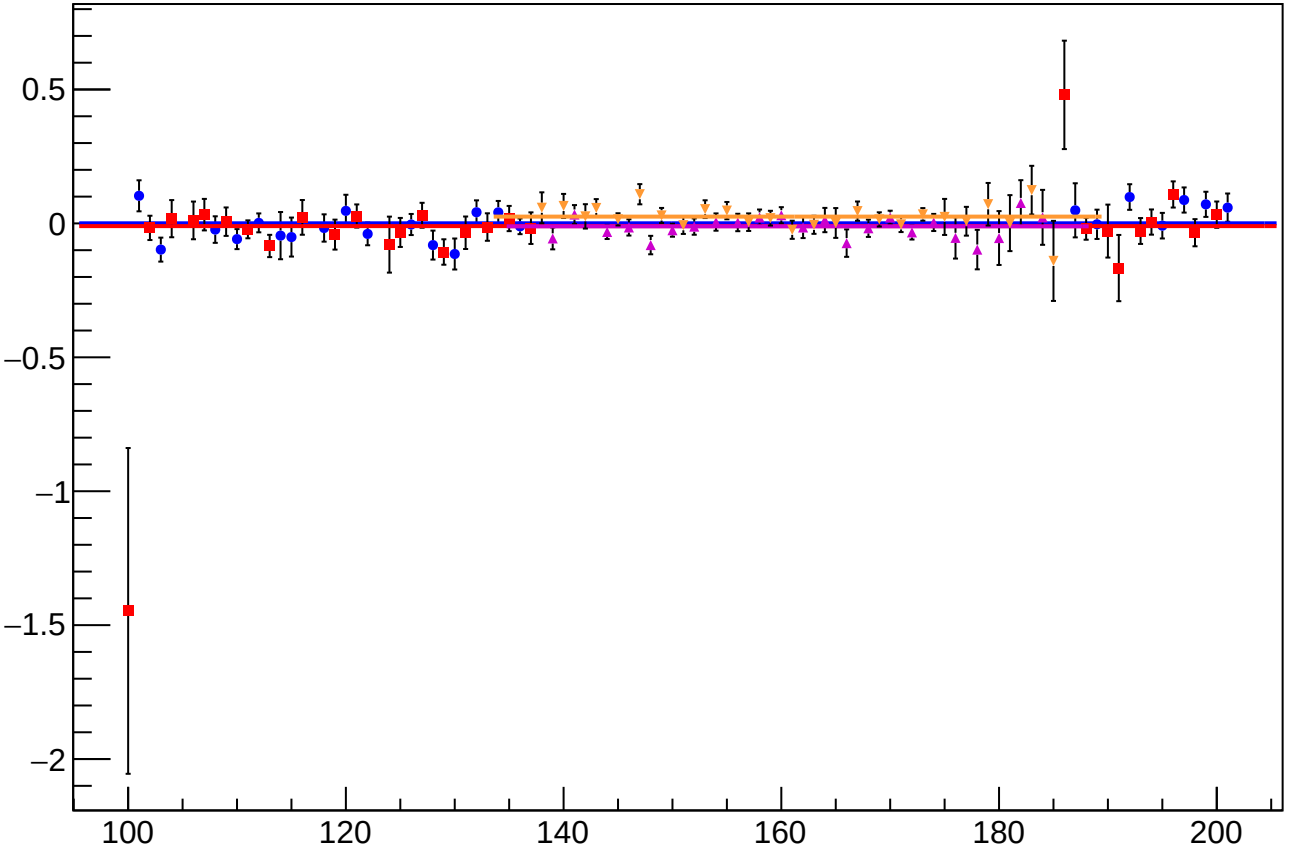
Right: 34.242+/-0.005 χ^2/NDF: 3240914.9/50

In: 30.489+/-0.004 χ^2/NDF:4479617.2/45

Out: 31.426+/-0.004 χ^2/NDF:6111027.1/52

All: 30.957+/-0.003 χ^2/NDF: 10616230.8/98

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

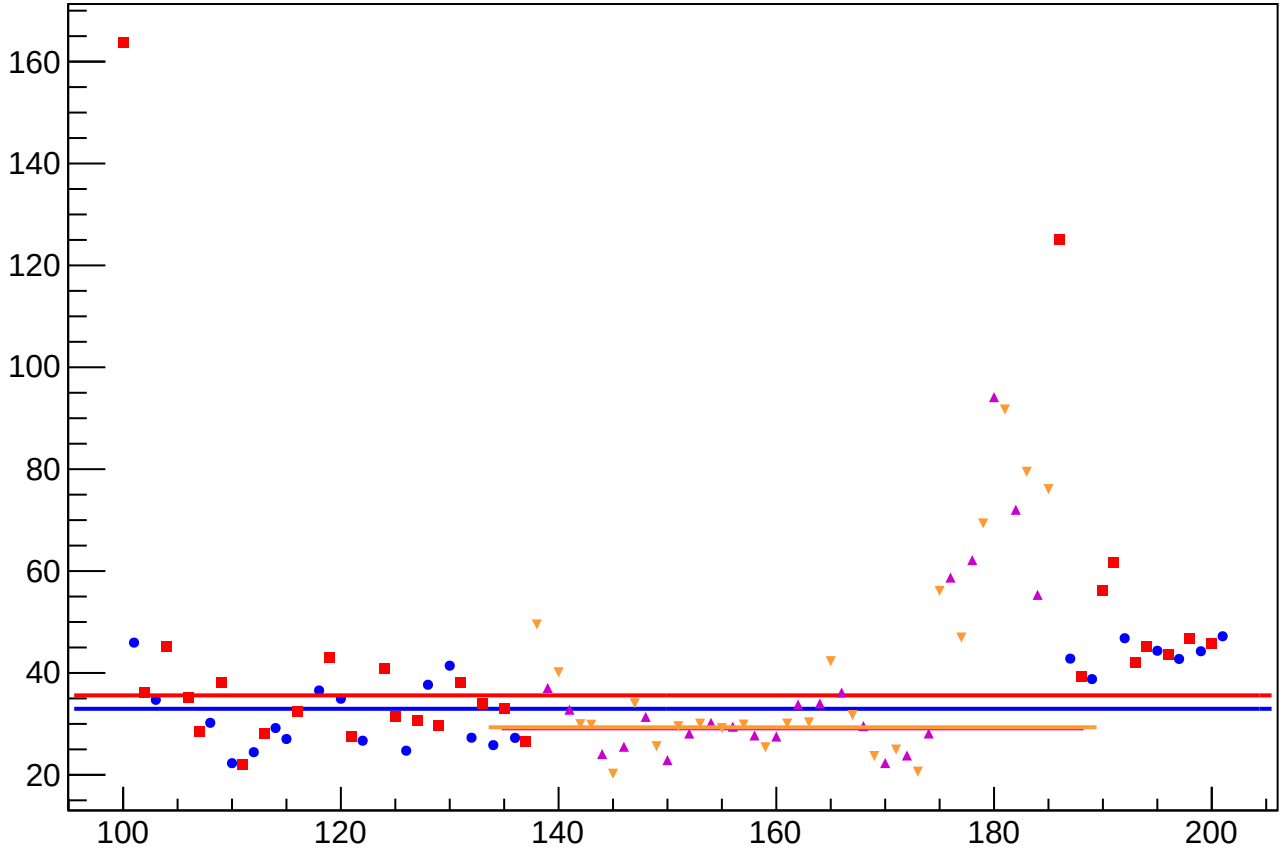
Right: -0.005+/-0.007 χ^2/NDF: 65.0/50

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 115.9/98

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: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

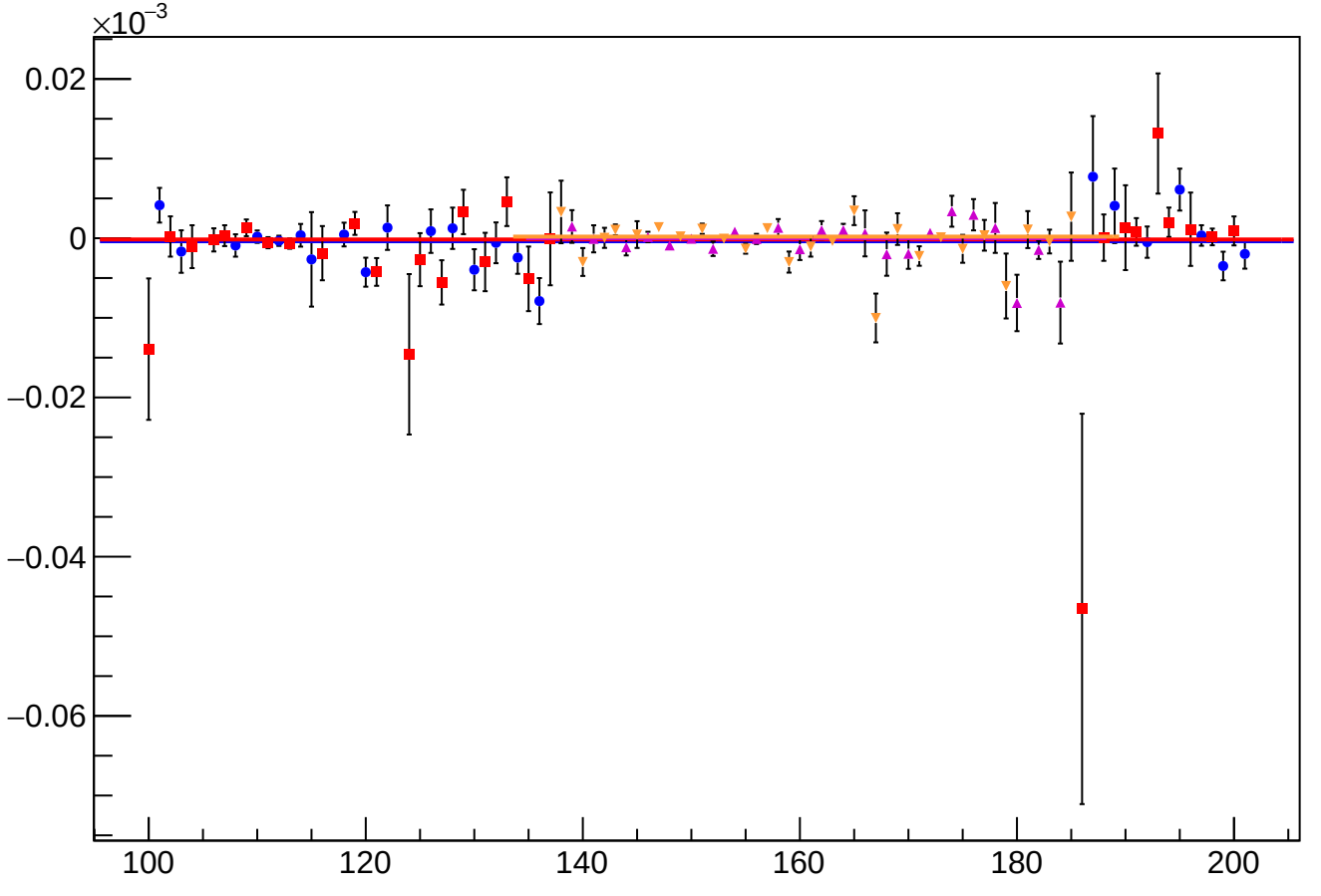
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.242+/-0.005 χ^2/NDF: 3240914.9/50

In: 30.489+/-0.004 χ^2/NDF:4479617.2/45

Out: 31.426+/-0.004 χ^2/NDF:6111027.1/52

All: 30.957+/-0.003 χ^2/NDF: 10616230.8/98



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: 34.7/27

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

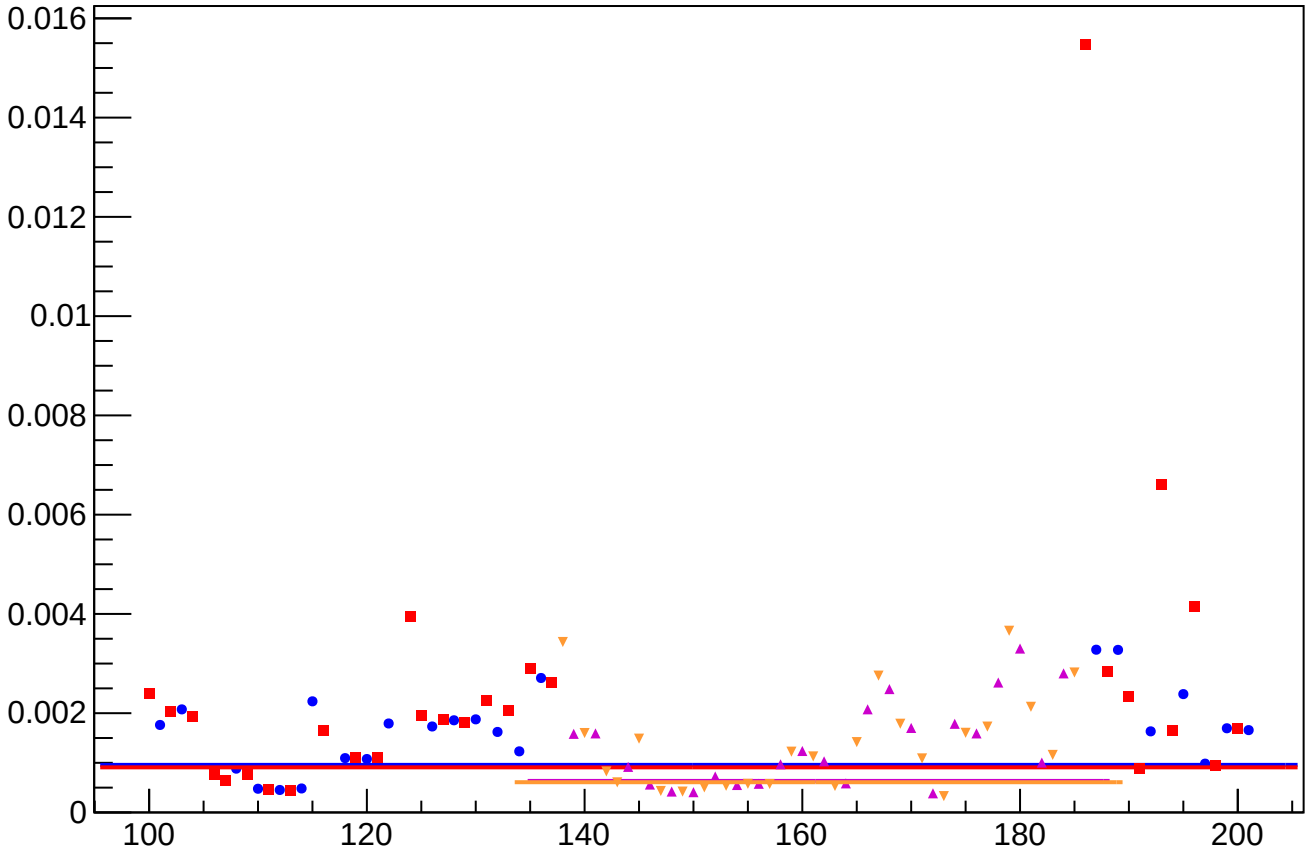
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 68.3/50

In: -0.000+/-0.000 χ^2/NDF:67.3/45

Out: 0.000+/-0.000 χ^2/NDF:88.3/52

All: 0.000+/-0.000 χ^2/NDF: 156.5/98



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: 9473220.1/27

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

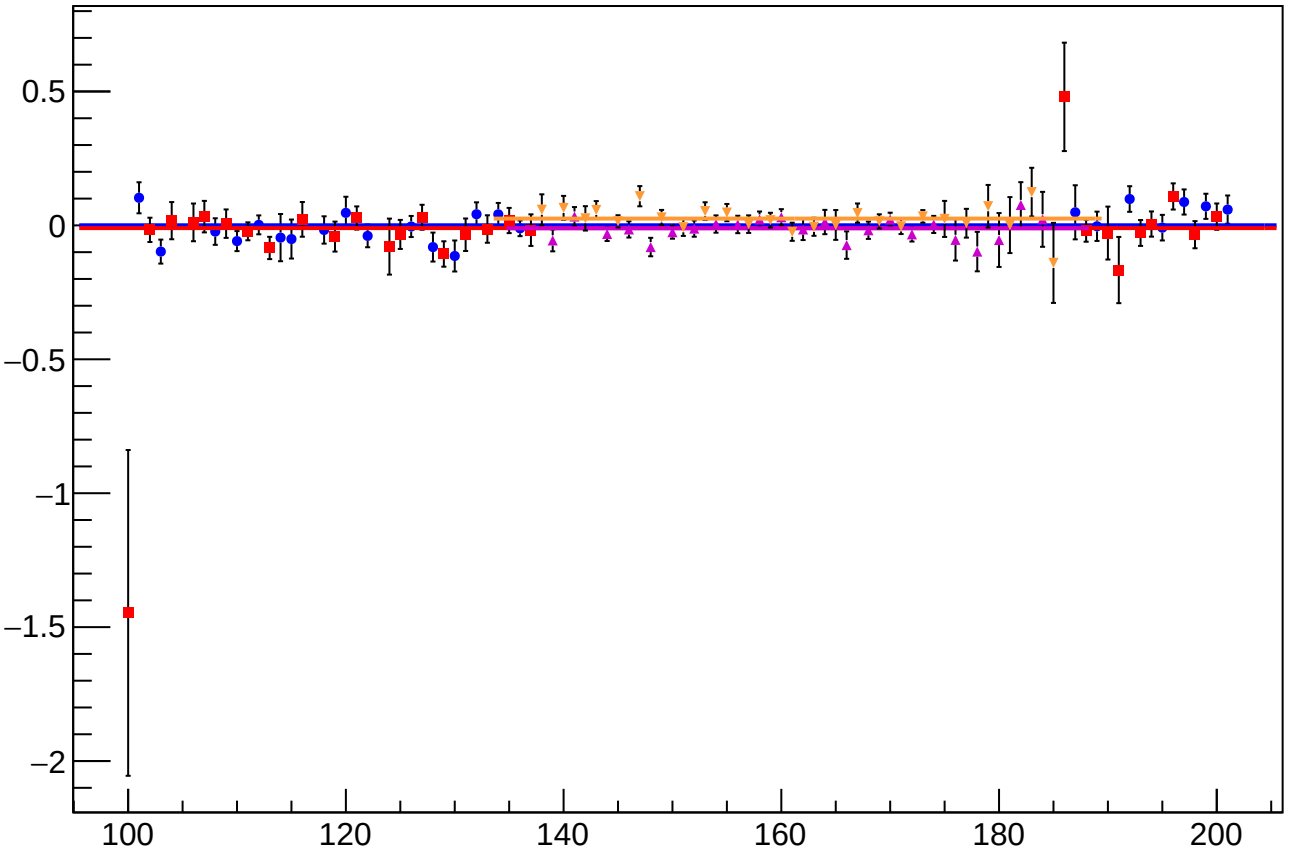
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 16331562.1/50

In: 0.001+/-0.000 χ^2/NDF:17658933.3/45

Out: 0.001+/-0.000 χ^2/NDF:21866453.4/52

All: 0.001+/-0.000 χ^2/NDF: 39568075.0/98



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: -0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

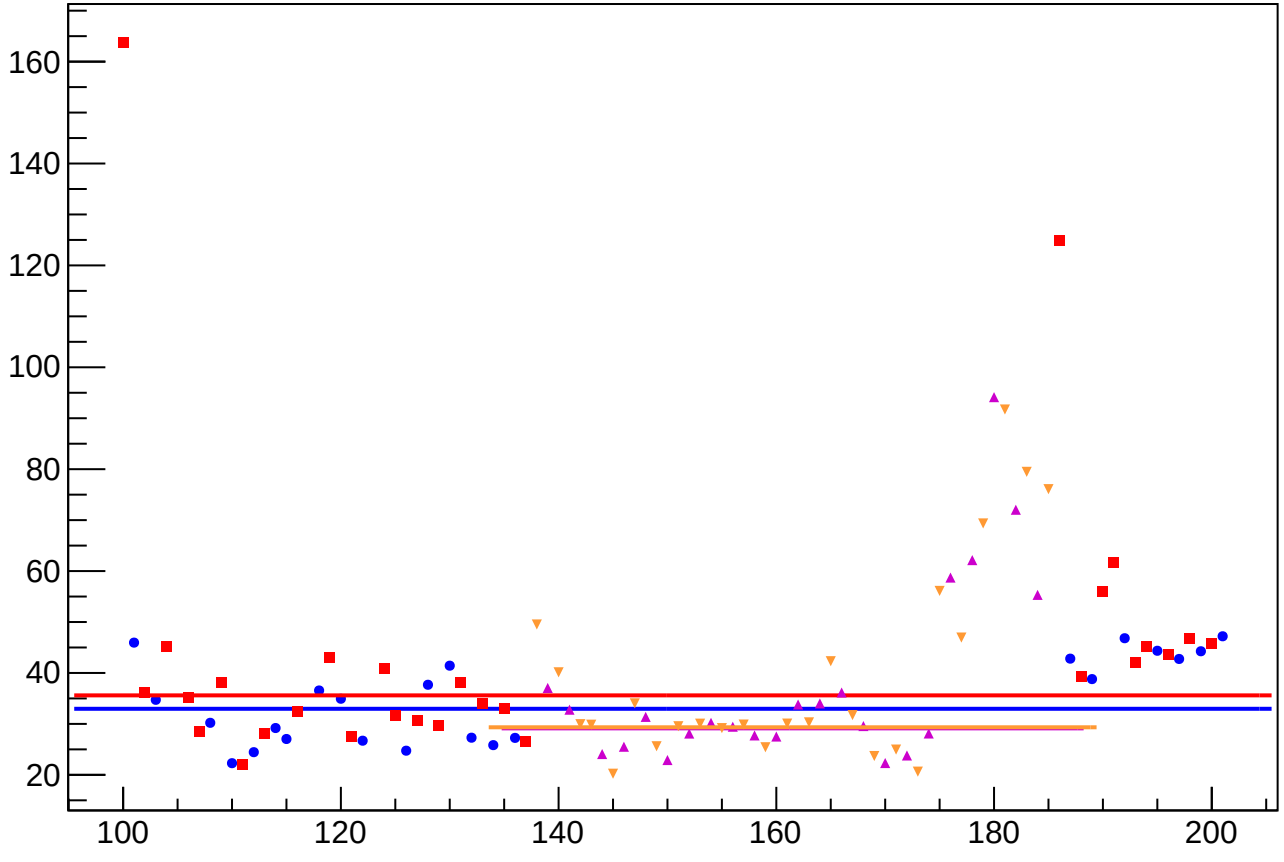
Right: -0.005+/-0.007 χ^2/NDF: 65.0/50

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 115.9/98

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: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

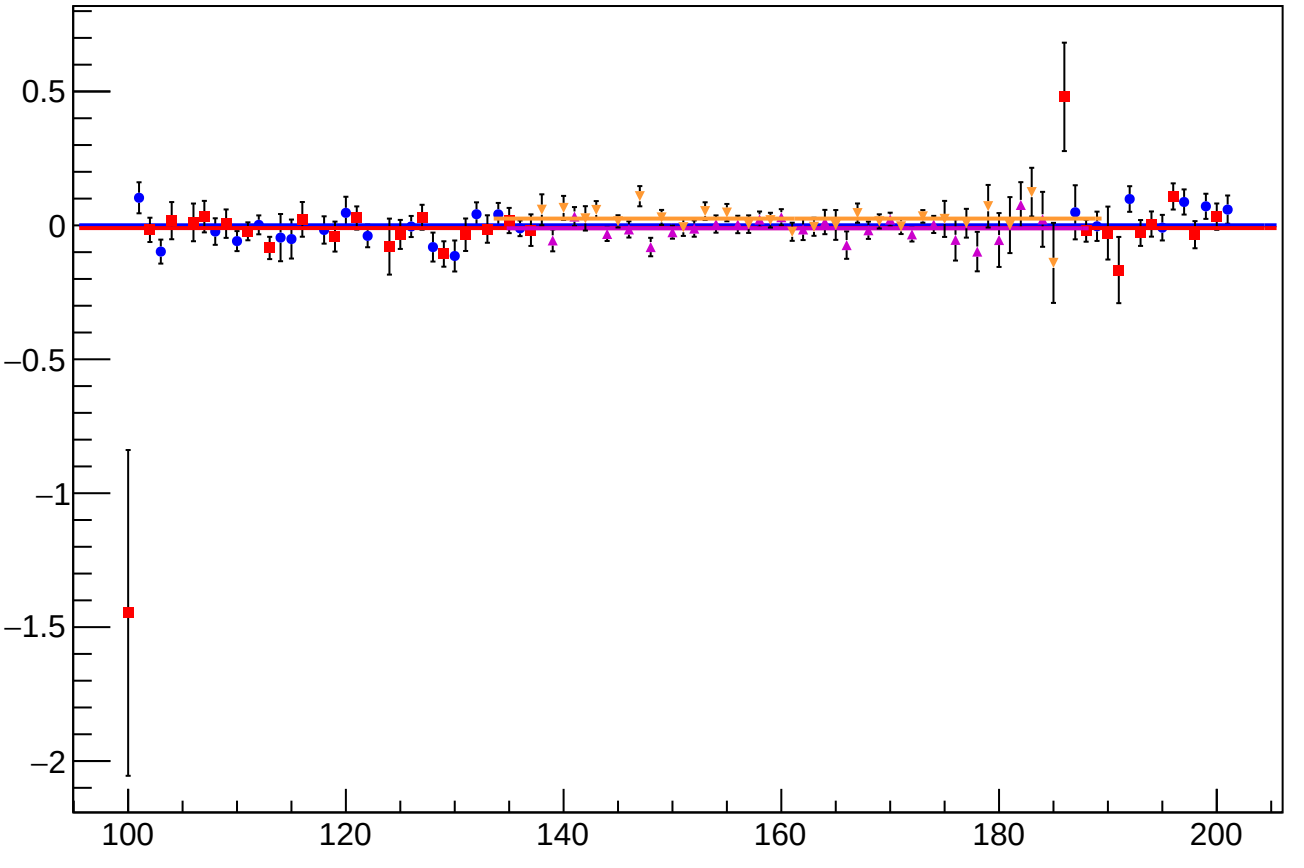
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.242+/-0.005 χ^2/NDF: 3240730.7/50

In: 30.489+/-0.004 χ^2/NDF:4479535.6/45

Out: 31.426+/-0.004 χ^2/NDF:6111023.8/52

All: 30.957+/-0.003 χ^2/NDF: 10616144.6/98



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: -0.010+/-0.010 χ^2/NDF: 31.9/27

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

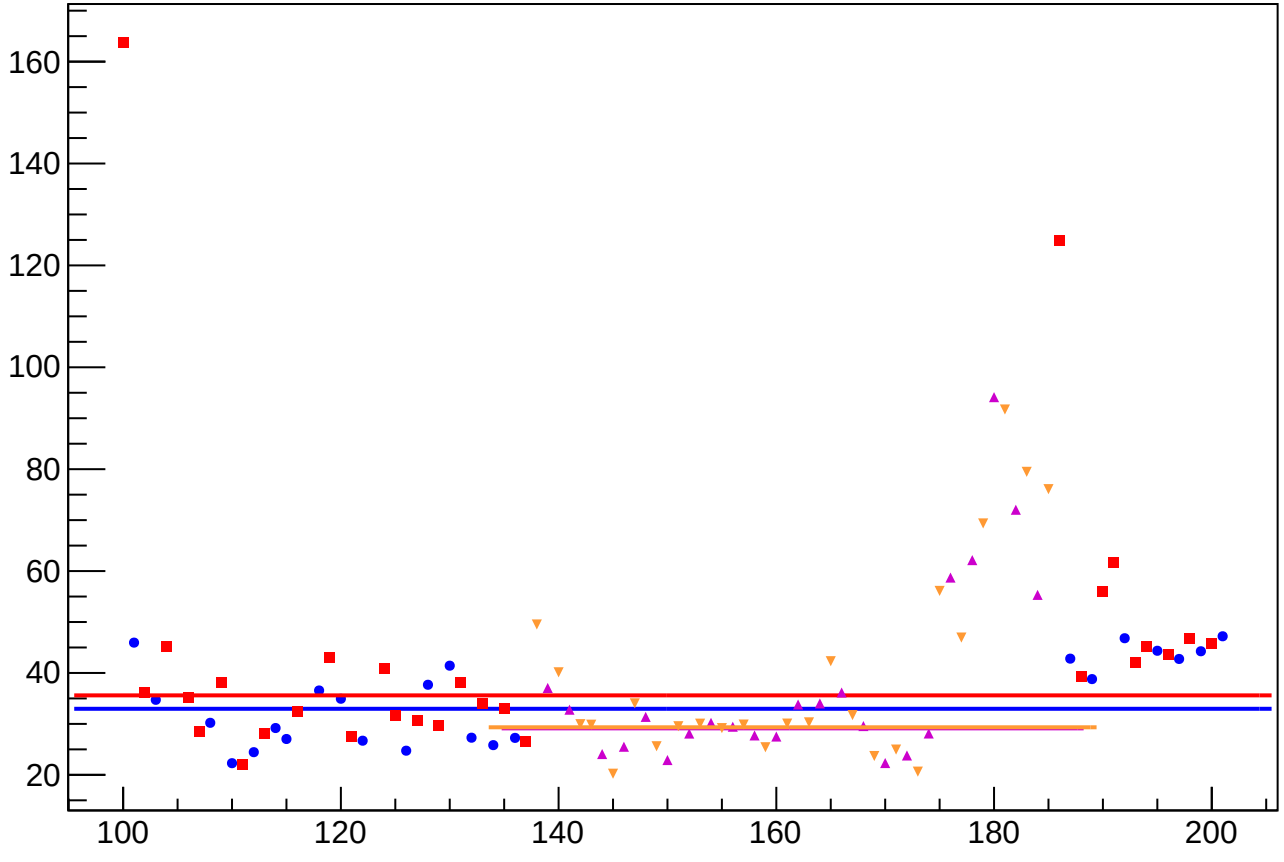
Right: -0.005+/-0.007 χ^2/NDF: 65.0/50

In: -0.007+/-0.006 χ^2/NDF:52.4/45

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 115.9/98

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: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

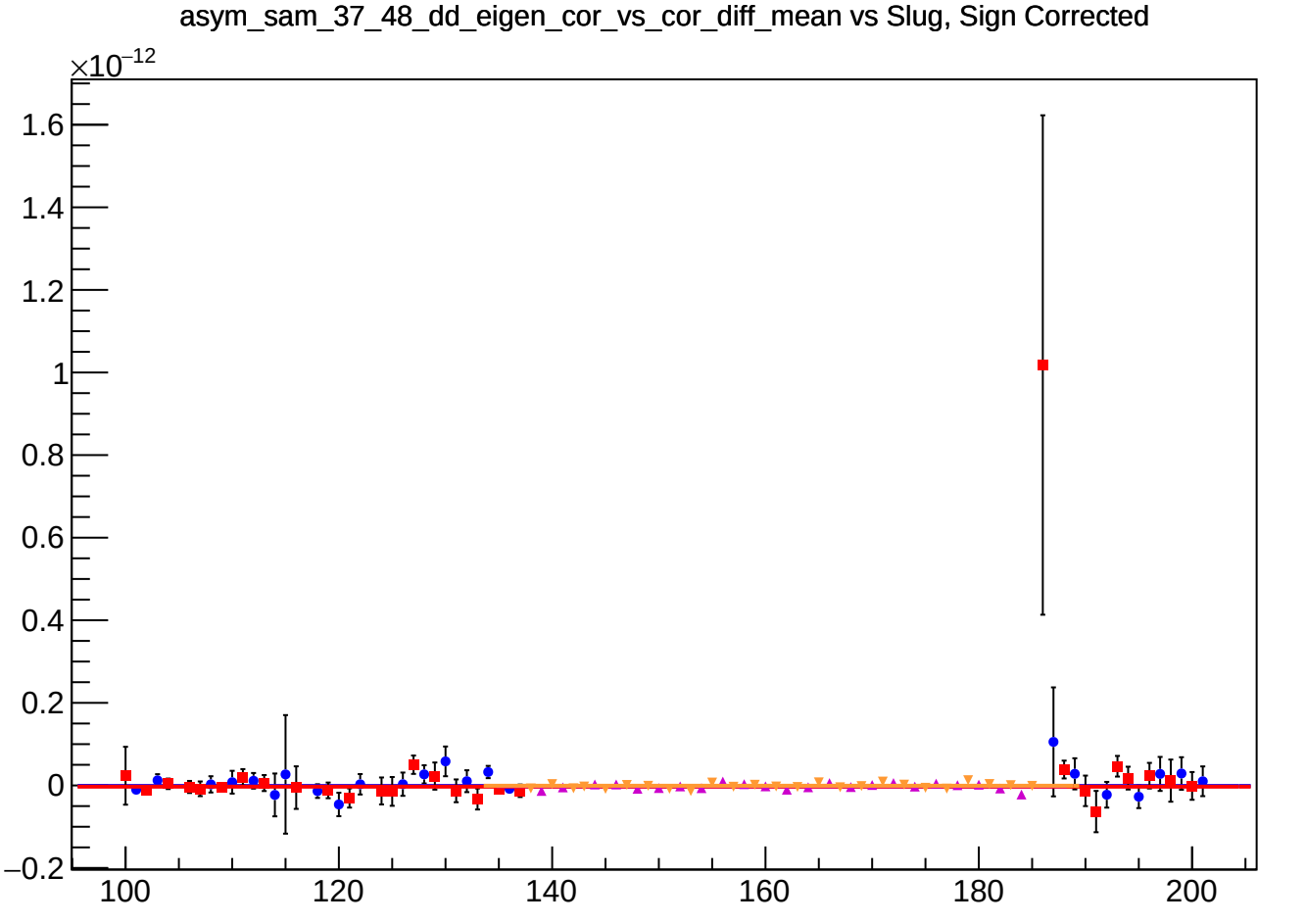
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.242+/-0.005 χ^2/NDF: 3240730.7/50

In: 30.489+/-0.004 χ^2/NDF:4479535.6/45

Out: 31.426+/-0.004 χ^2/NDF:6111023.8/52

All: 30.957+/-0.003 χ^2/NDF: 10616144.6/98



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: 27.2/27

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

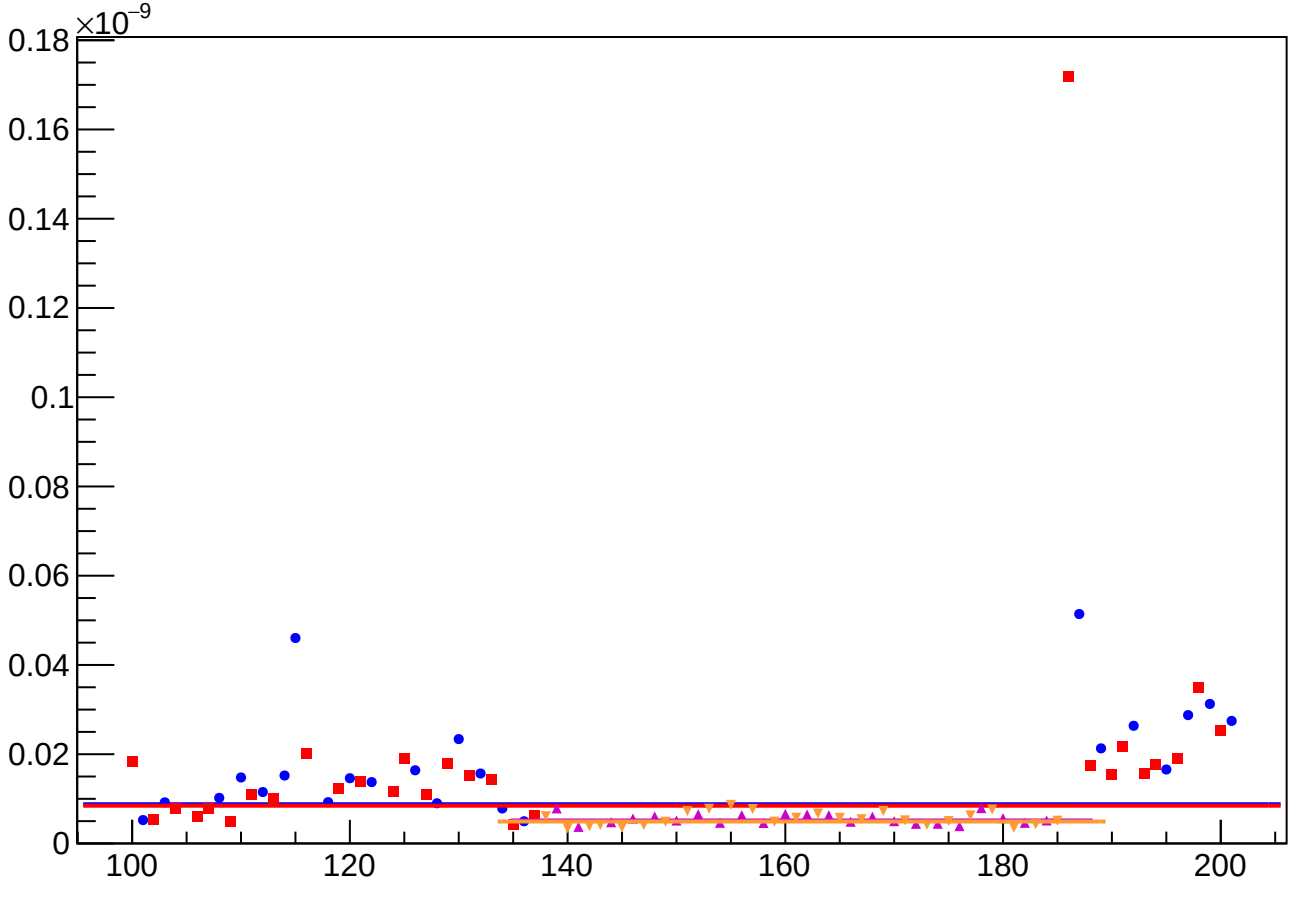
Right: -0.000+/-0.000 χ^2/NDF: 48.1/50

In: -0.000+/-0.000 χ^2/NDF:37.3/45

Out: -0.000+/-0.000 χ^2/NDF:42.6/52

All: -0.000+/-0.000 χ^2/NDF: 80.0/98

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 4574558.8/27

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

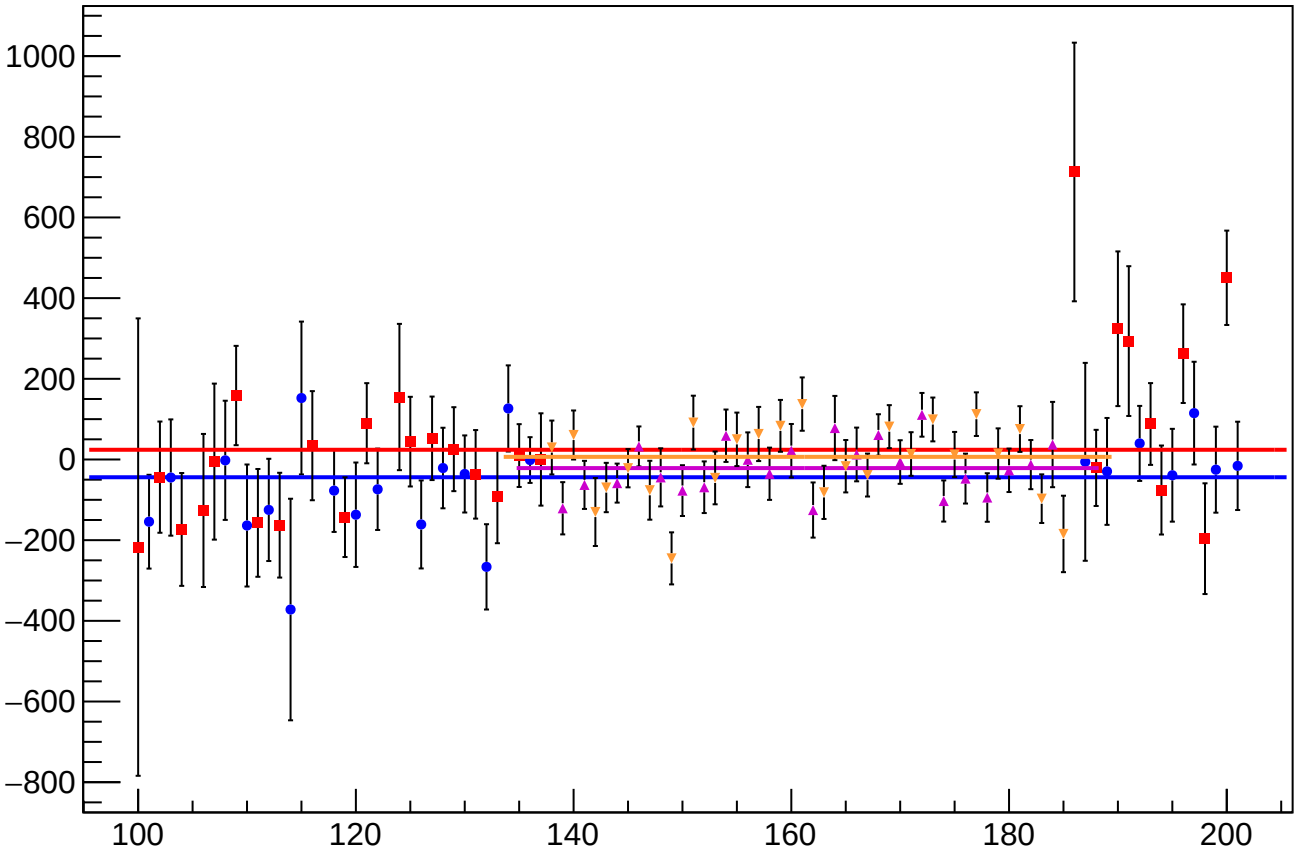
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9677391.1/50

In: 0.000+/-0.000 χ^2/NDF:7754283.6/45

Out: 0.000+/-0.000 χ^2/NDF:8244054.1/52

All: 0.000+/-0.000 χ^2/NDF: 16028387.1/98



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: 24.081+/-23.265 χ^2/NDF: 43.8/27

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

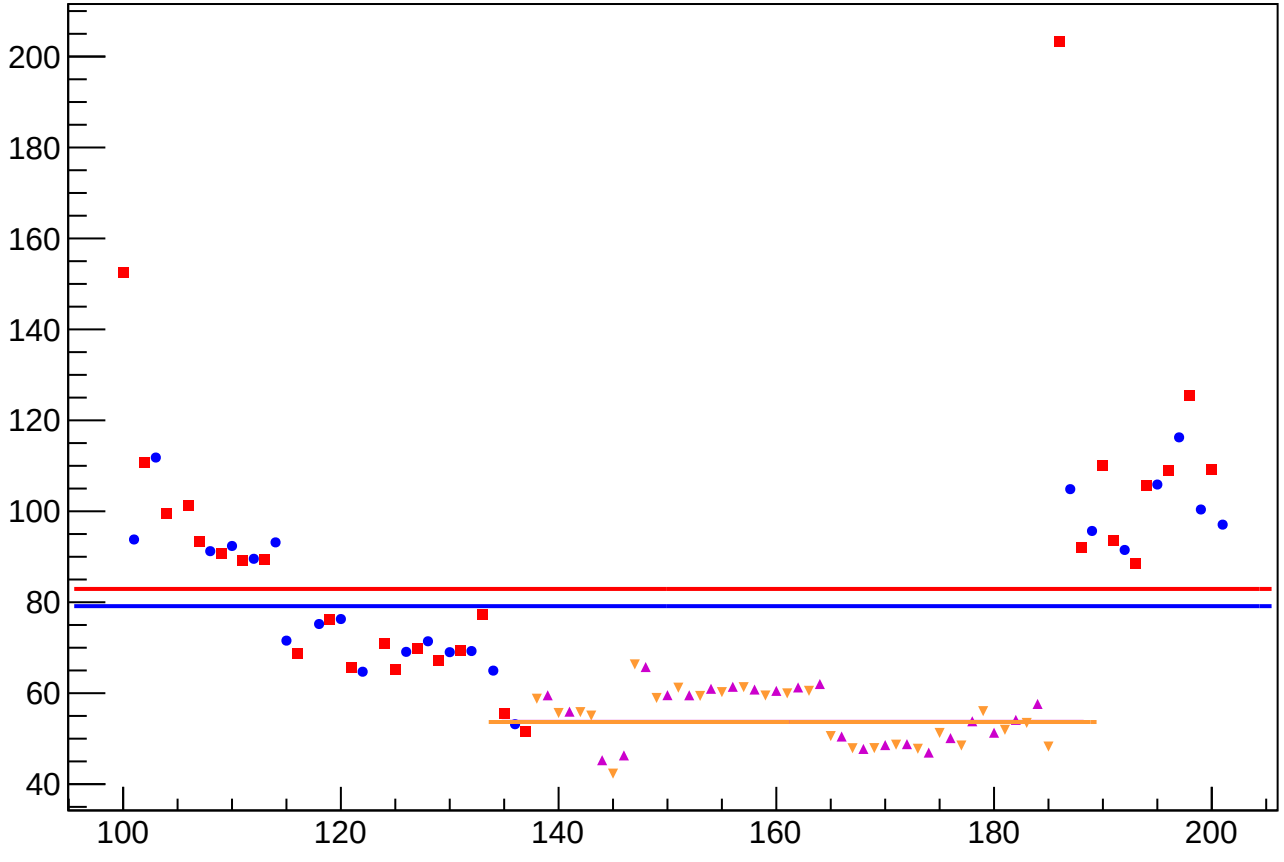
Right: -9.981+/-16.449 χ^2/NDF: 64.5/50

In: -26.515+/-11.112 χ^2/NDF:42.6/45

Out: 10.352+/-10.865 χ^2/NDF:94.8/52

All: -7.666+/-7.769 χ^2/NDF: 143.0/98

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 82.926+/-0.016 χ^2/NDF: 1668403.7/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

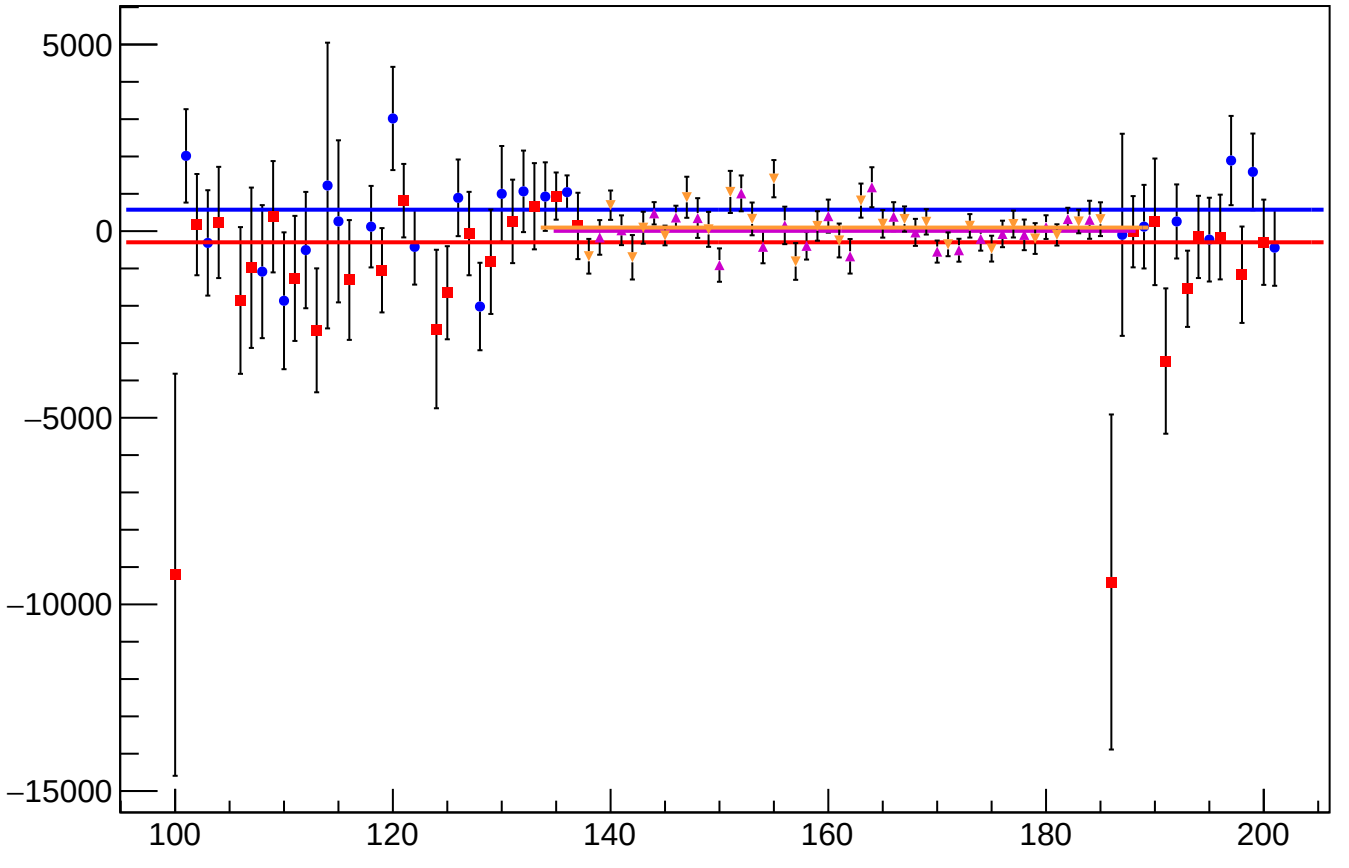
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.033+/-0.012 χ^2/NDF: 2947978.9/50

In: 59.502+/-0.008 χ^2/NDF:3571678.6/45

Out: 60.047+/-0.008 χ^2/NDF:4614194.2/52

All: 59.781+/-0.005 χ^2/NDF: 8188330.2/98



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: -298.669+/-235.342 χ^2/NDF: 24.9/27

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

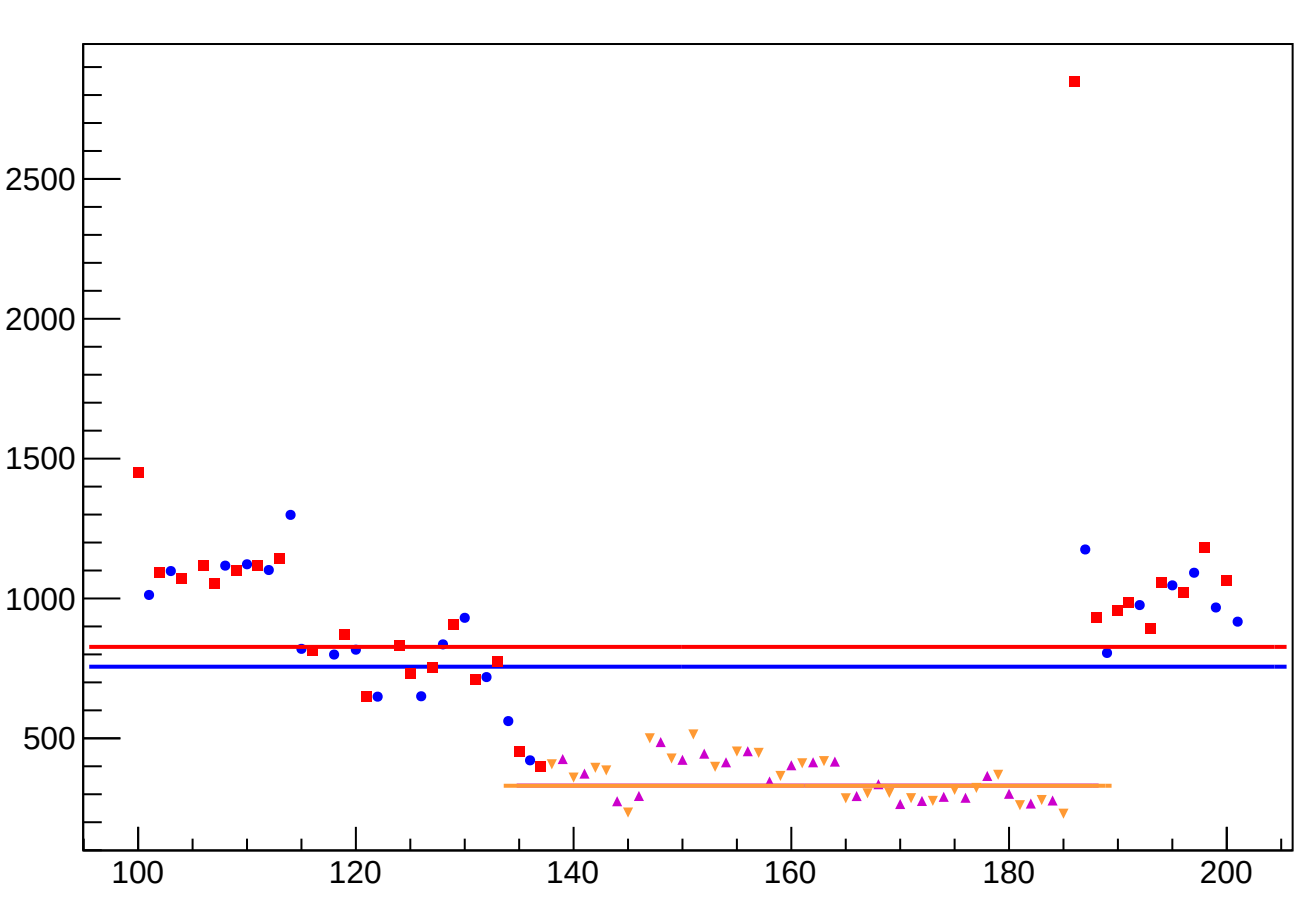
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 153.615+/-163.400 χ^2/NDF: 51.8/50

In: 69.251+/-74.718 χ^2/NDF:57.6/45

Out: 57.225+/-73.298 χ^2/NDF:60.6/52

All: 63.123+/-52.324 χ^2/NDF: 118.2/98



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: 826.887+/-0.166 χ^2/NDF: 2562920.5/27

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

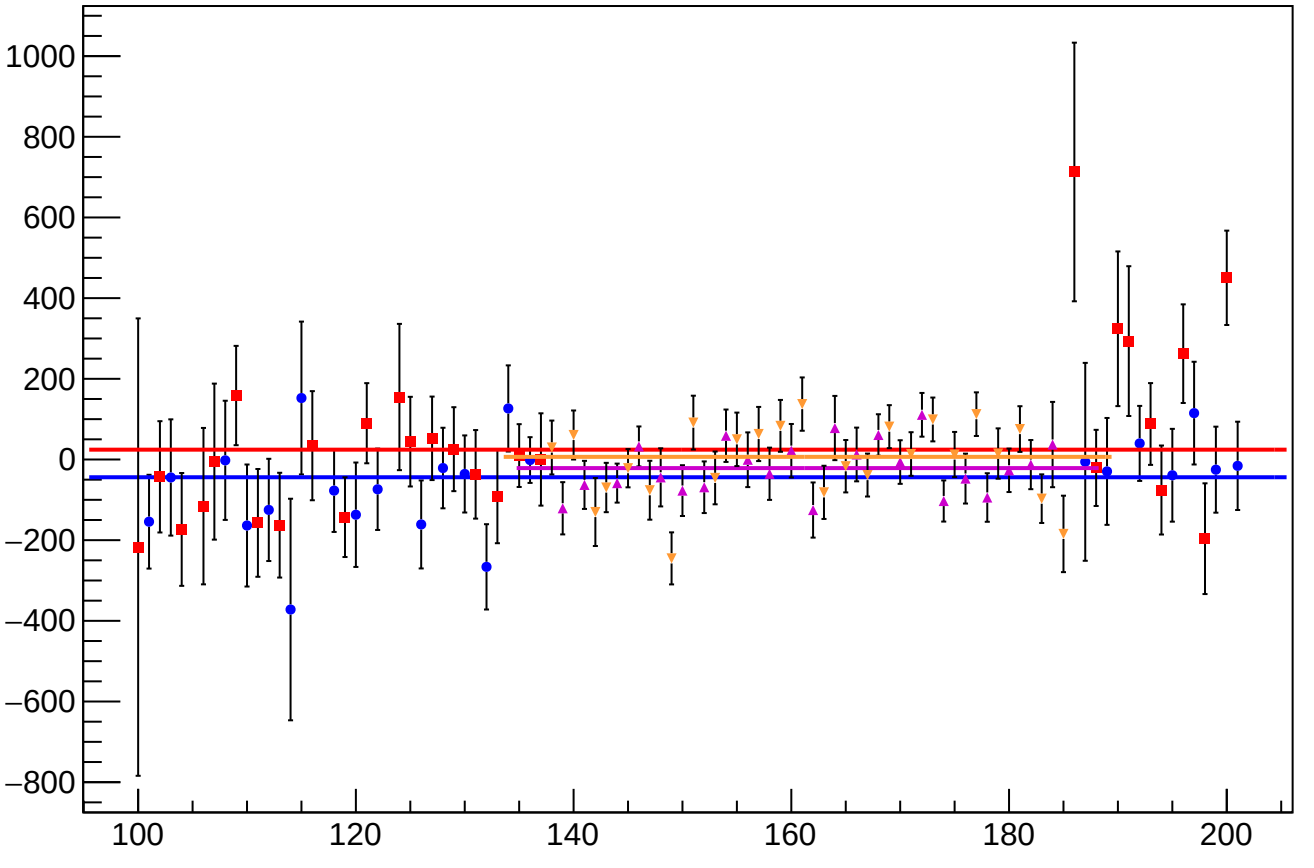
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 790.207+/-0.116 χ^2/NDF: 5037028.8/50

In: 377.086+/-0.053 χ^2/NDF:9954910.4/45

Out: 378.565+/-0.052 χ^2/NDF:12352962.8/52

All: 377.840+/-0.037 χ^2/NDF: 22308272.6/98



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: 24.358+/-23.273 χ^2/NDF: 43.6/27

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

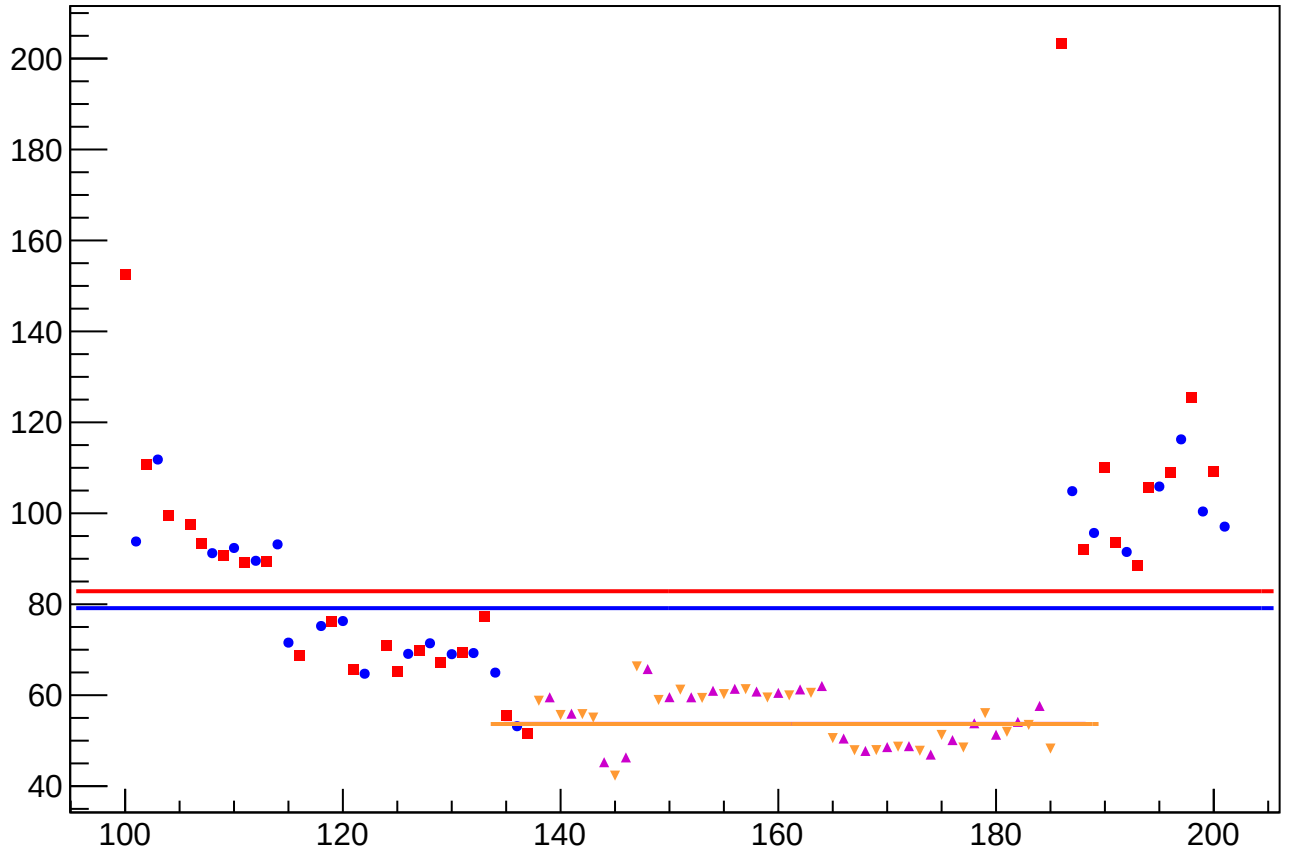
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -9.849+/-16.452 χ^2/NDF: 64.4/50

In: -26.512+/-11.112 χ^2/NDF:42.6/45

Out: 10.413+/-10.866 χ^2/NDF:94.7/52

All: -7.635+/-7.769 χ^2/NDF: 142.9/98



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: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

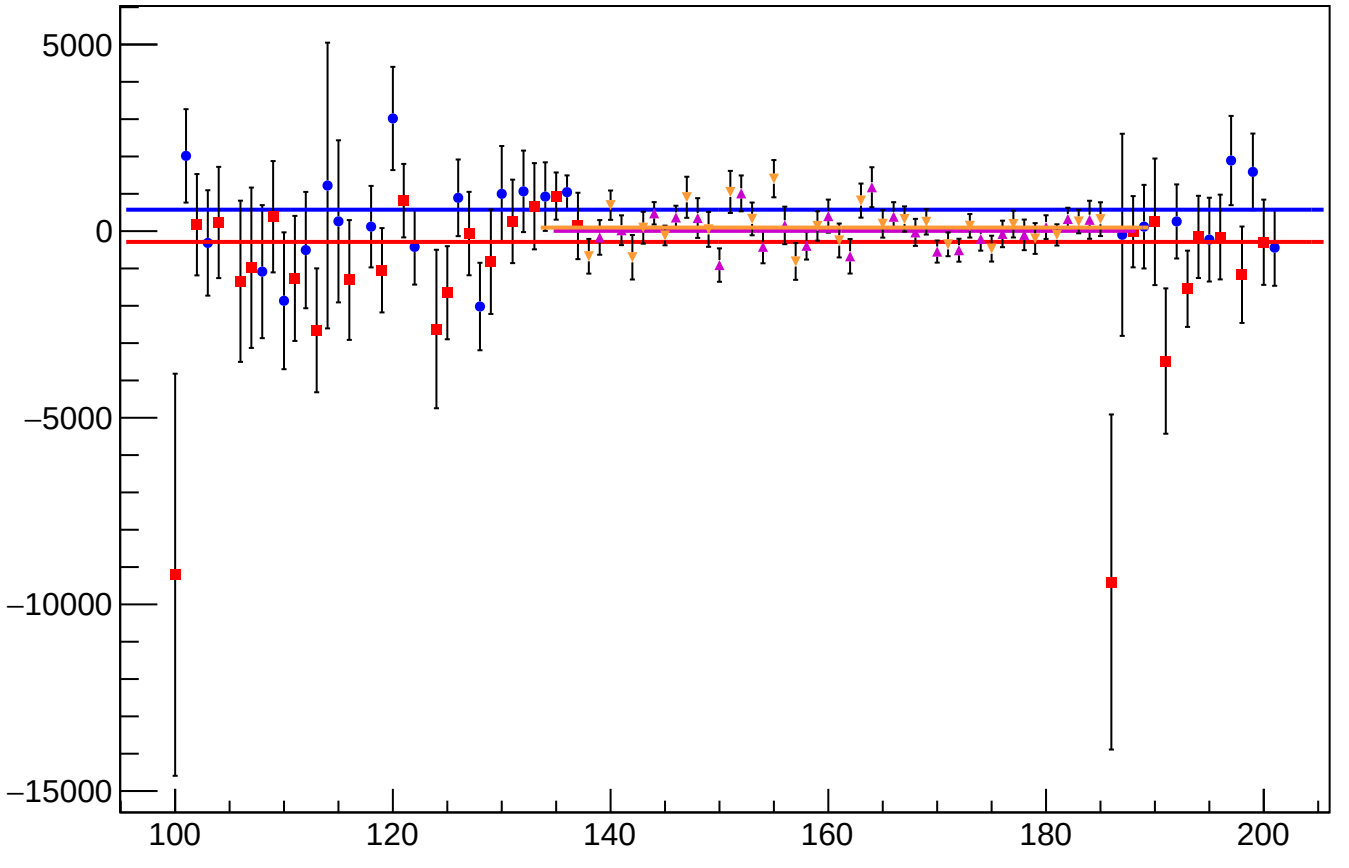
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.000+/-0.012 χ^2/NDF: 2940084.1/50

In: 59.502+/-0.008 χ^2/NDF:3571681.2/45

Out: 60.030+/-0.008 χ^2/NDF:4595094.1/52

All: 59.772+/-0.005 χ^2/NDF: 8169079.0/98



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: -288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

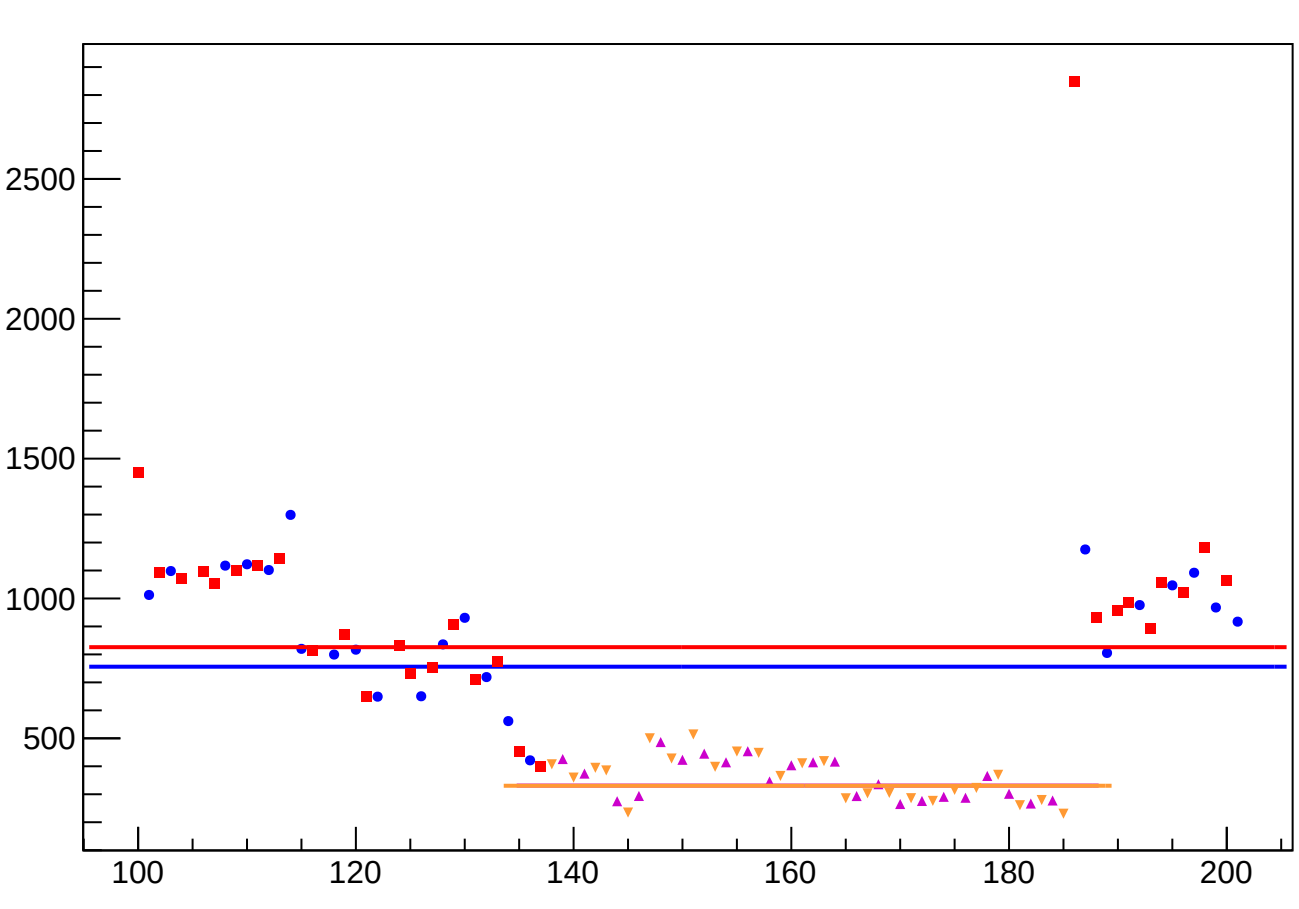
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 158.900+/-163.499 χ^2/NDF: 51.2/50

In: 69.247+/-74.718 χ^2/NDF:57.6/45

Out: 58.267+/-73.307 χ^2/NDF:60.1/52

All: 63.653+/-52.327 χ^2/NDF: 117.7/98



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: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

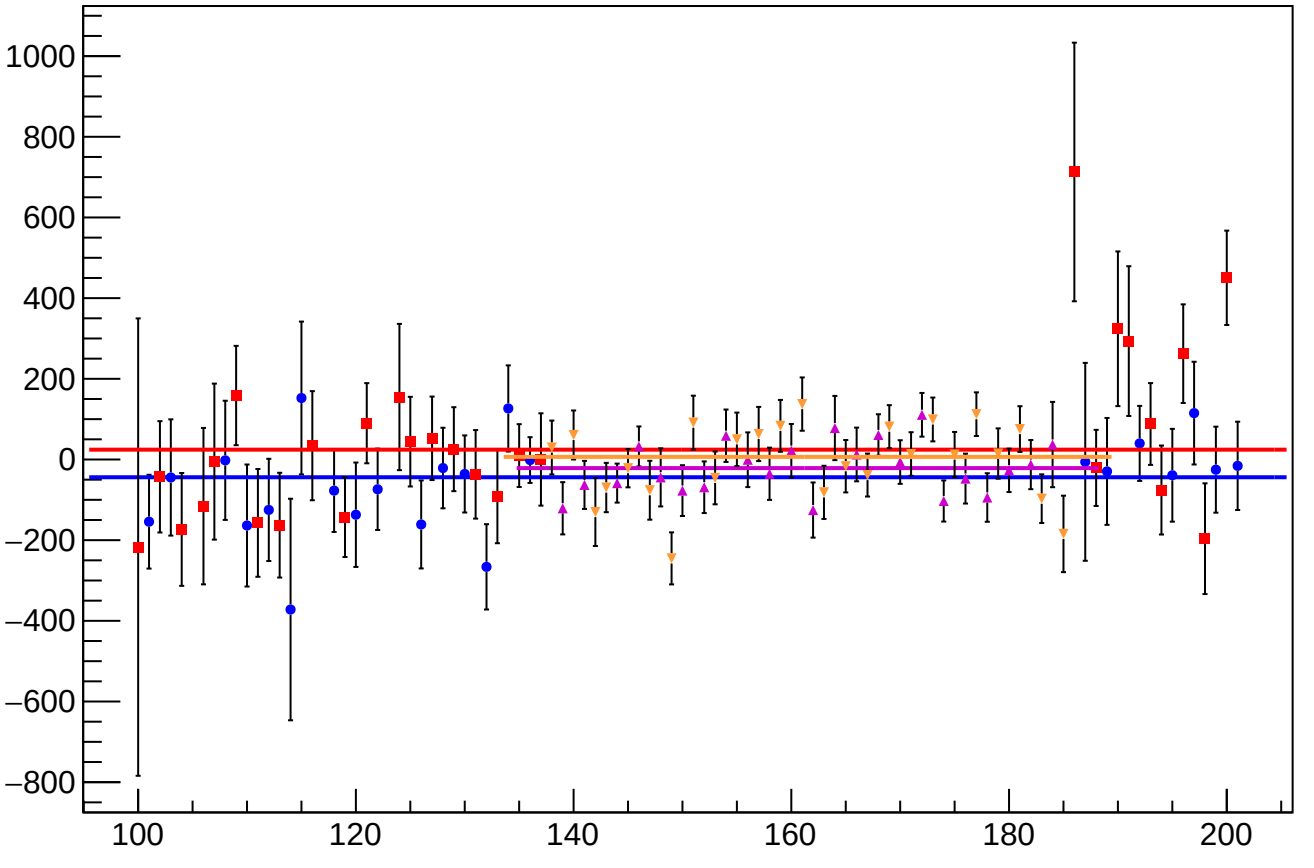
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 789.692+/-0.116 χ^2/NDF: 5021631.9/50

In: 377.086+/-0.053 χ^2/NDF:9954943.7/45

Out: 378.362+/-0.052 χ^2/NDF:12290558.9/52

All: 377.736+/-0.037 χ^2/NDF: 22245799.9/98



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: 24.358+/-23.273 χ^2/NDF: 43.6/27

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

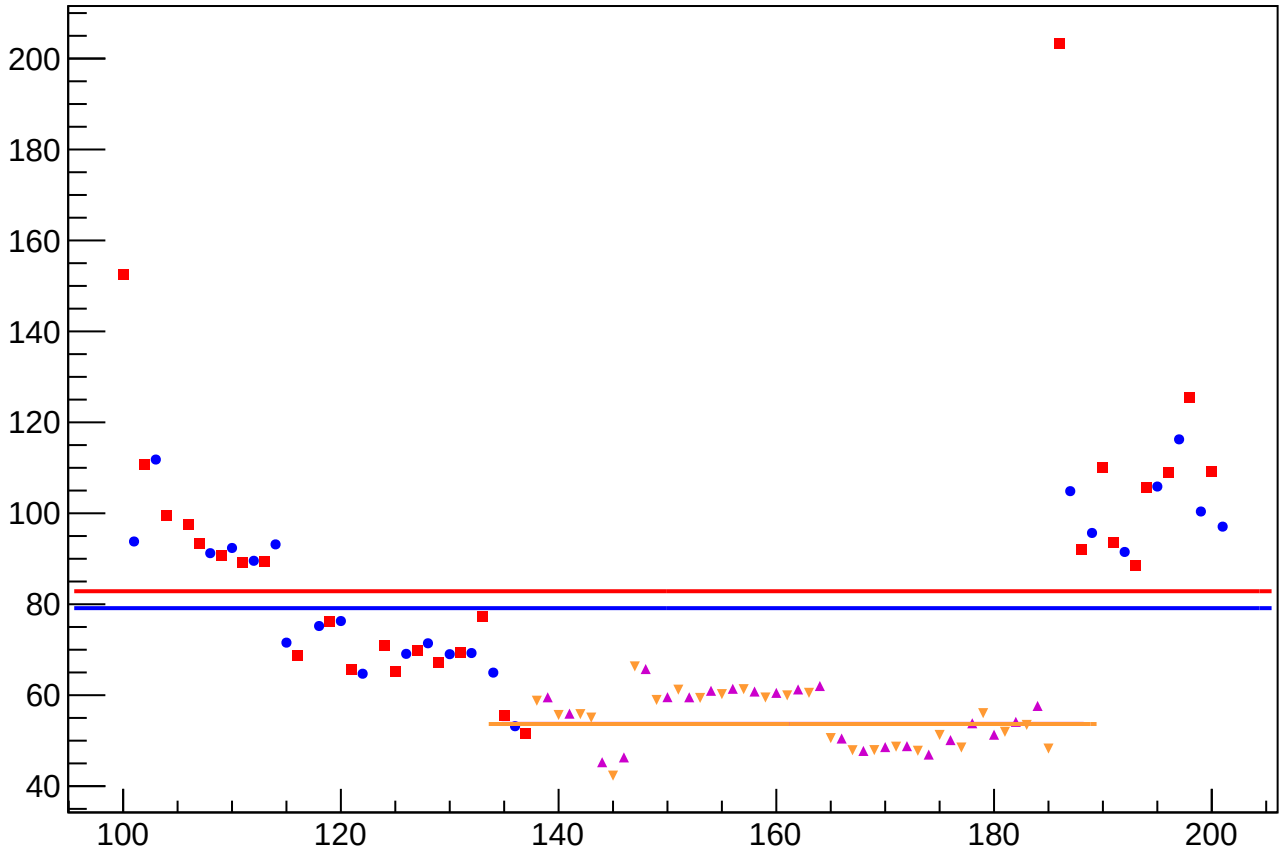
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -9.849+/-16.452 χ^2/NDF: 64.4/50

In: -26.512+/-11.112 χ^2/NDF:42.6/45

Out: 10.413+/-10.866 χ^2/NDF:94.7/52

All: -7.635+/-7.769 χ^2/NDF: 142.9/98



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: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

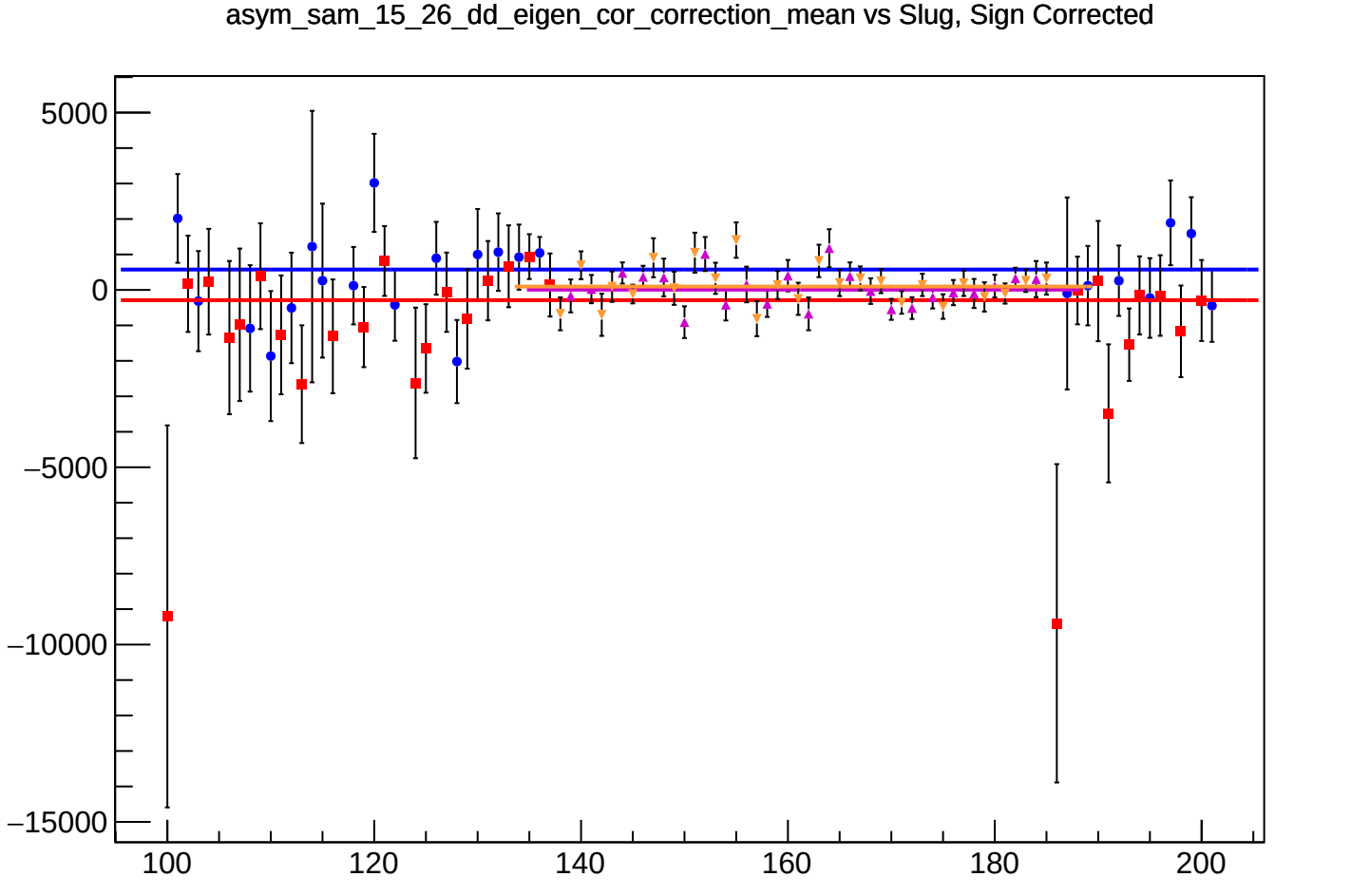
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.000+/-0.012 χ^2/NDF: 2940084.1/50

In: 59.502+/-0.008 χ^2/NDF:3571681.2/45

Out: 60.030+/-0.008 χ^2/NDF:4595094.1/52

All: 59.772+/-0.005 χ^2/NDF: 8169079.0/98



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: -288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

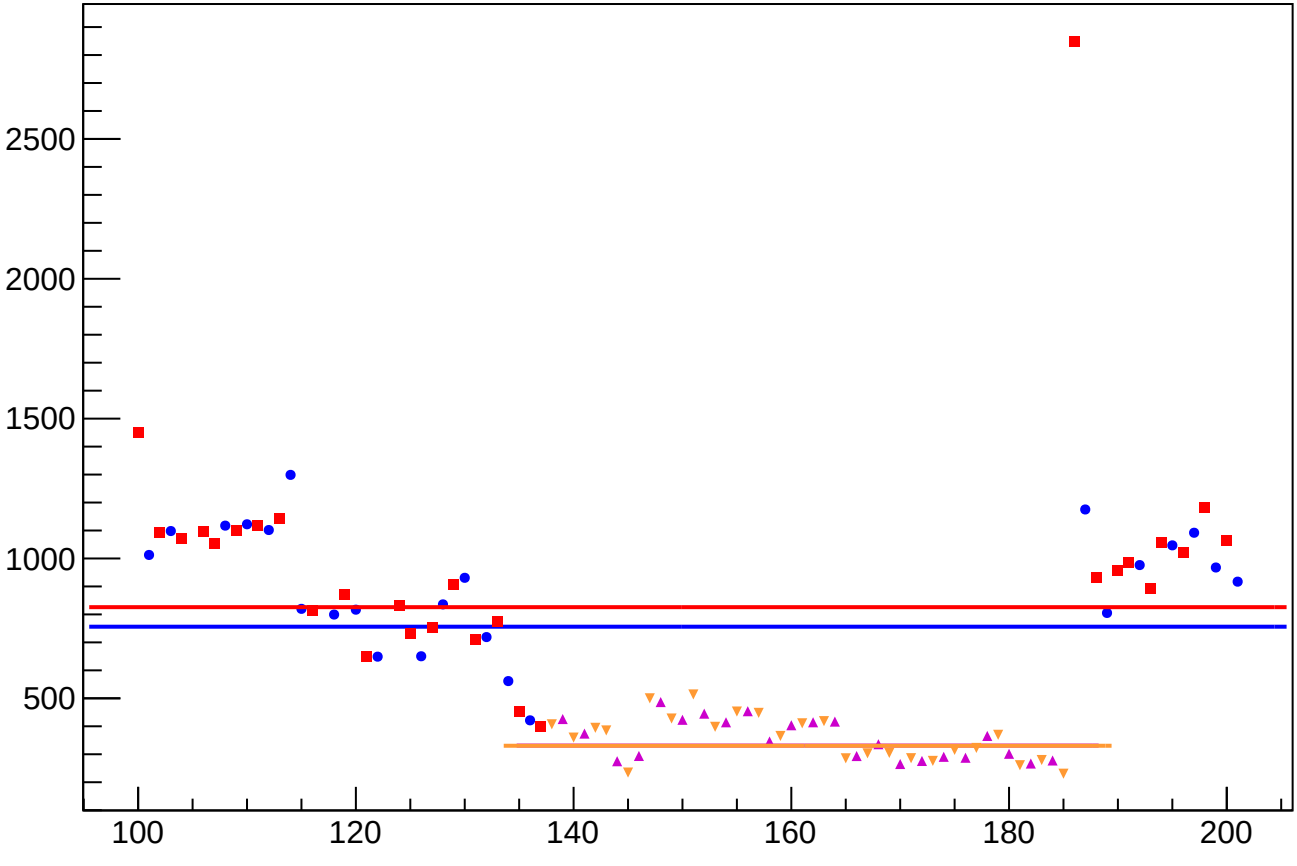
Right: 158.900+/-163.499 χ^2/NDF: 51.2/50

In: 69.247+/-74.718 χ^2/NDF:57.6/45

Out: 58.267+/-73.307 χ^2/NDF:60.1/52

All: 63.653+/-52.327 χ^2/NDF: 117.7/98

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

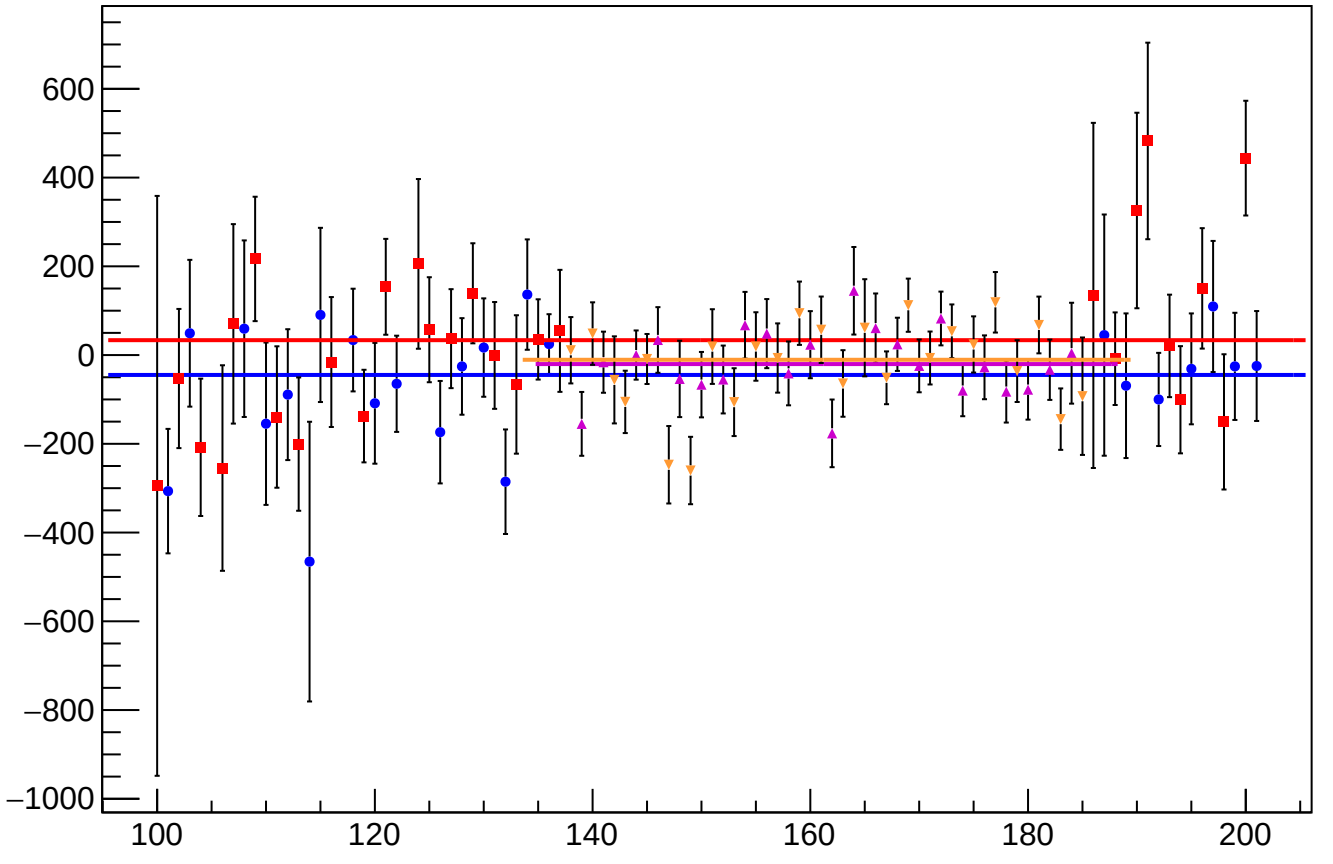
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 789.692+/-0.116 χ^2/NDF: 5021631.9/50

In: 377.086+/-0.053 χ^2/NDF:9954943.7/45

Out: 378.362+/-0.052 χ^2/NDF:12290558.9/52

All: 377.736+/-0.037 χ^2/NDF: 22245799.9/98



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: 33.569+/-26.125 χ^2/NDF: 35.8/27

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

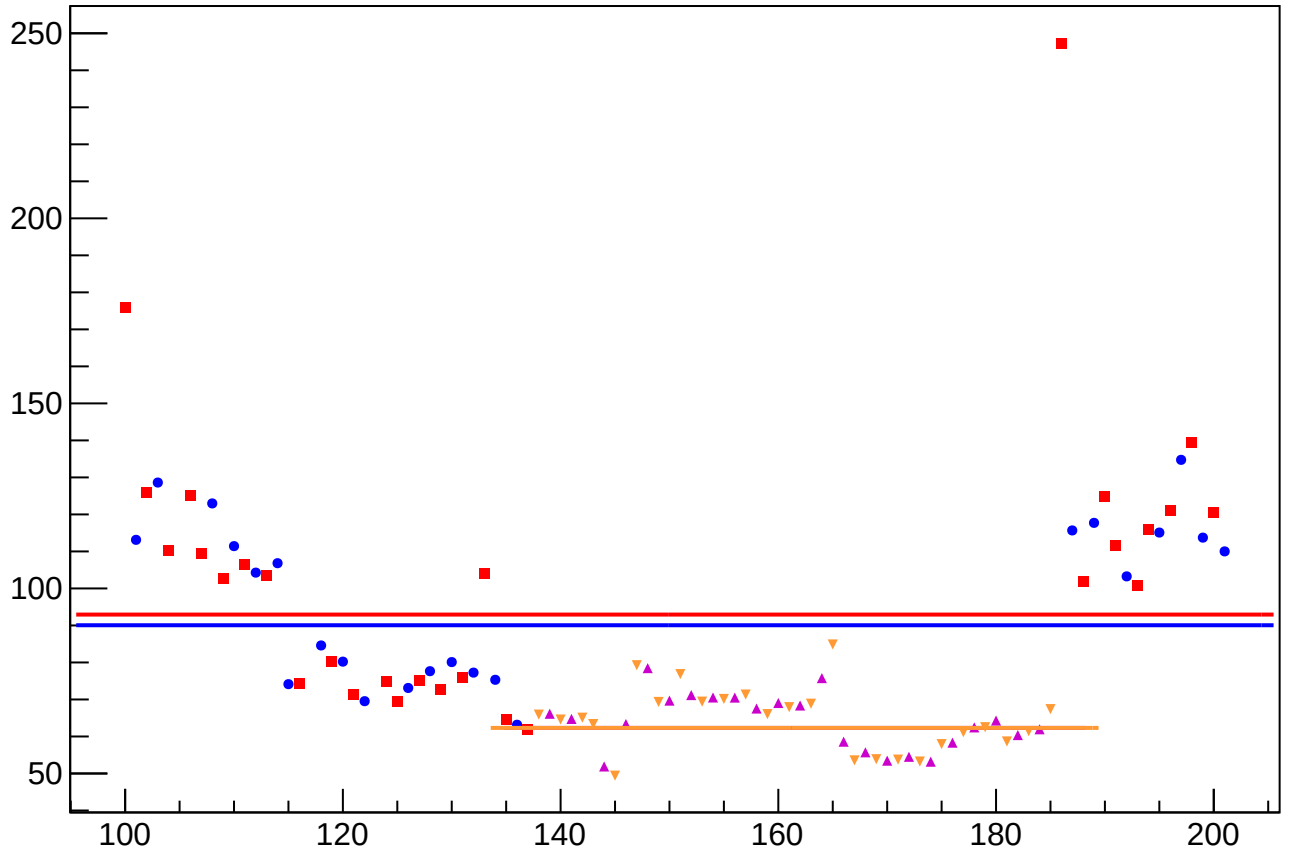
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -5.028+/-18.611 χ^2/NDF: 58.2/50

In: -26.093+/-12.890 χ^2/NDF:40.4/45

Out: -0.417+/-12.551 χ^2/NDF:80.2/52

All: -12.912+/-8.992 χ^2/NDF: 122.6/98



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: 92.937+/-0.018 χ^2/NDF: 1763565.6/27

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

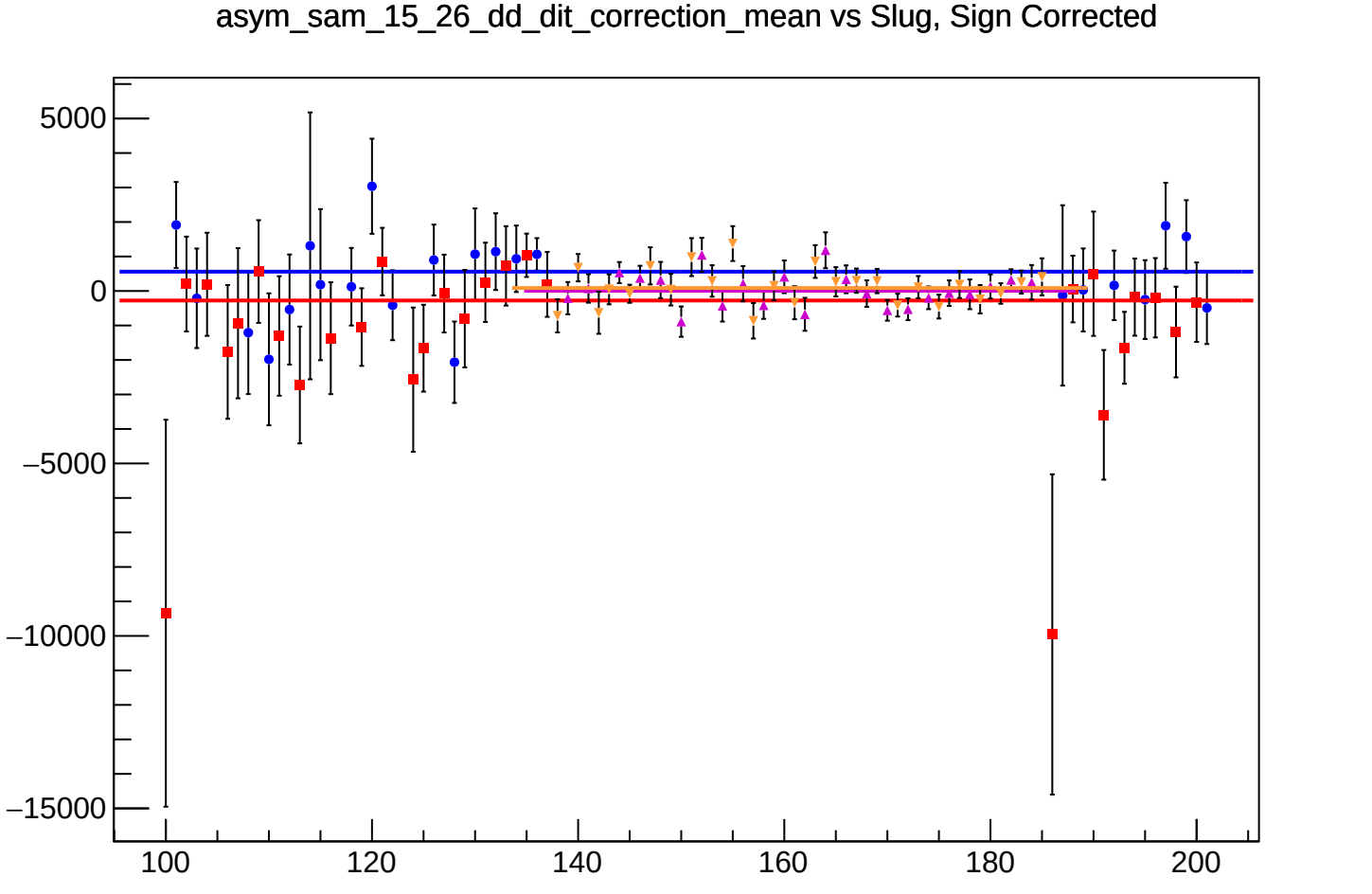
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 91.518+/-0.013 χ^2/NDF: 3099401.9/50

In: 68.866+/-0.009 χ^2/NDF:3480481.7/45

Out: 69.383+/-0.009 χ^2/NDF:4513145.1/52

All: 69.132+/-0.006 χ^2/NDF: 7995281.4/98



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: -276.157+/-237.902 χ^2/NDF: 26.7/27

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

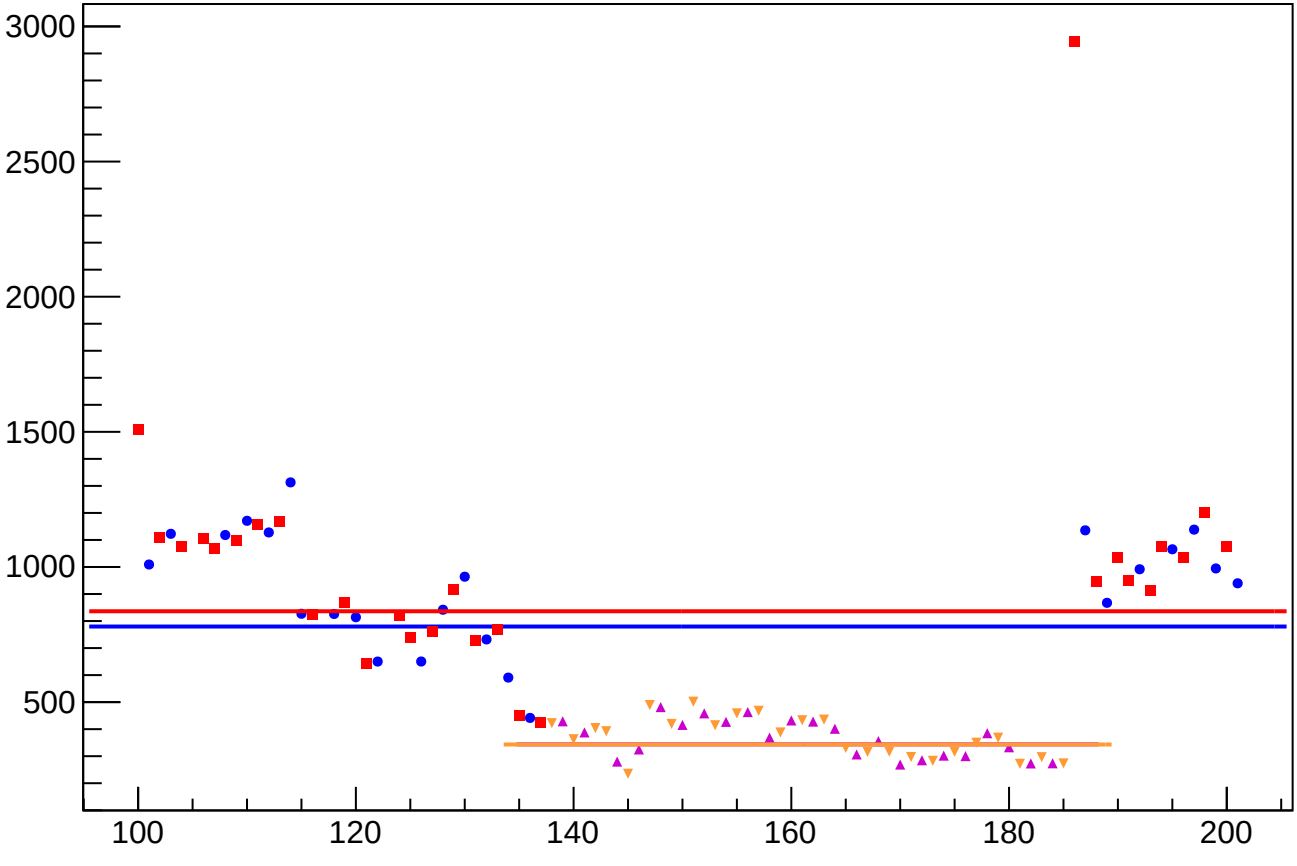
Right: 150.095+/-166.591 χ^2/NDF: 52.8/50

In: 67.500+/-77.455 χ^2/NDF:57.3/45

Out: 50.228+/-75.688 χ^2/NDF:60.4/52

All: 58.665+/-54.134 χ^2/NDF: 117.7/98

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



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: 836.217+/-0.168 χ^2/NDF: 2572980.2/27

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

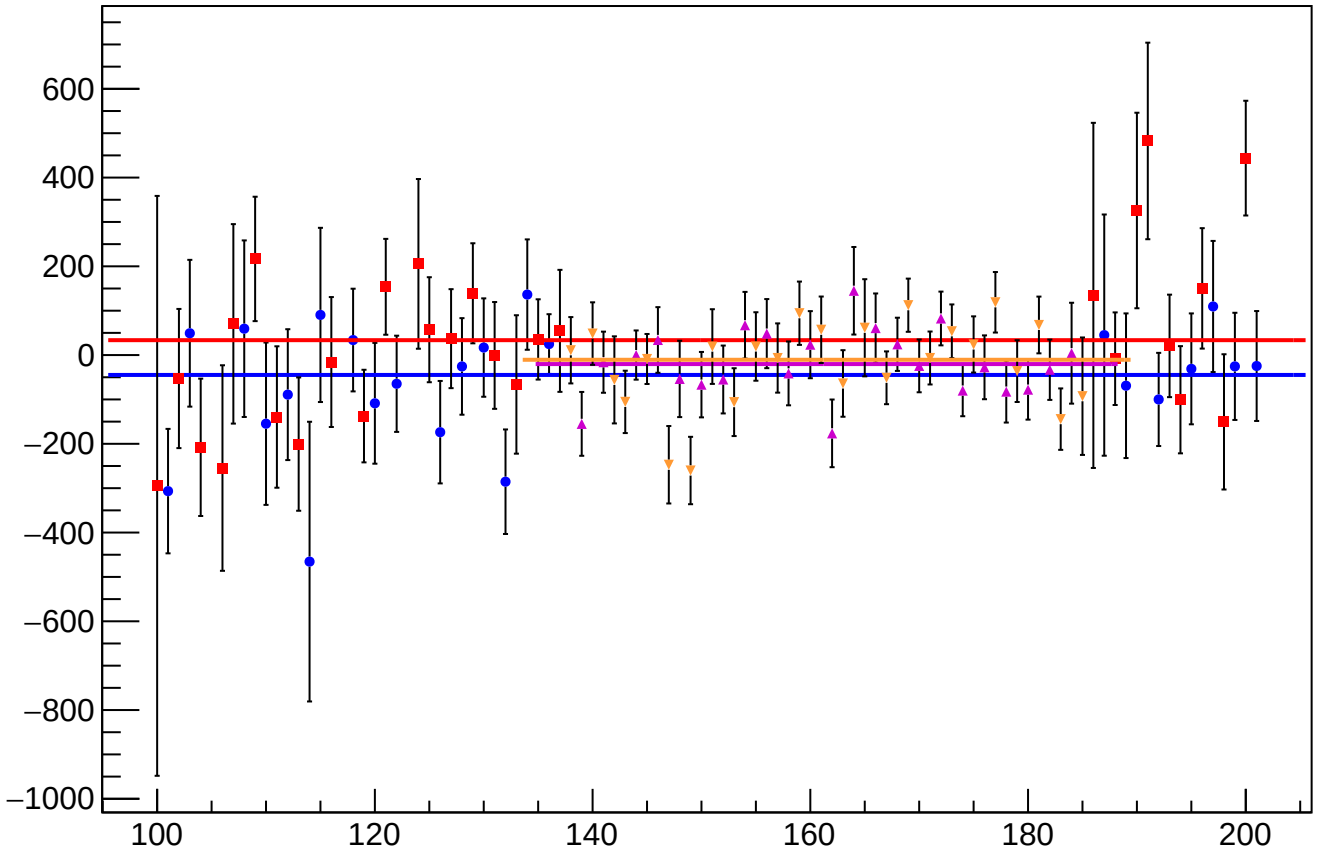
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 807.416+/-0.118 χ^2/NDF: 4887534.7/50

In: 391.751+/-0.055 χ^2/NDF:9727750.7/45

Out: 393.125+/-0.054 χ^2/NDF:11887502.3/52

All: 392.454+/-0.038 χ^2/NDF: 21615575.1/98



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: 33.569+/-26.125 χ^2/NDF: 35.8/27

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

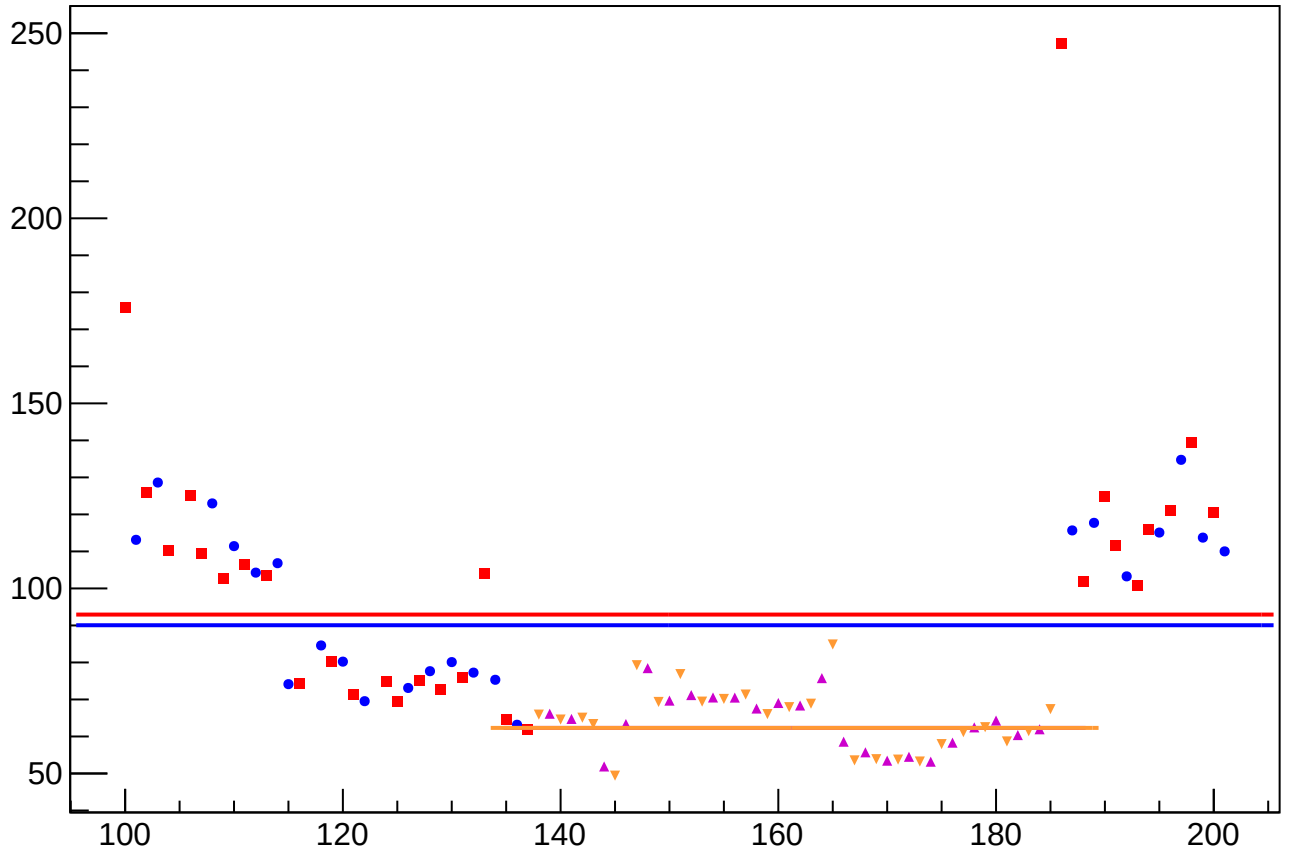
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -5.029+/-18.611 χ^2/NDF: 58.2/50

In: -26.093+/-12.890 χ^2/NDF:40.4/45

Out: -0.416+/-12.551 χ^2/NDF:80.2/52

All: -12.912+/-8.992 χ^2/NDF: 122.6/98



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: 92.936+/-0.018 χ^2/NDF: 1763560.2/27

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

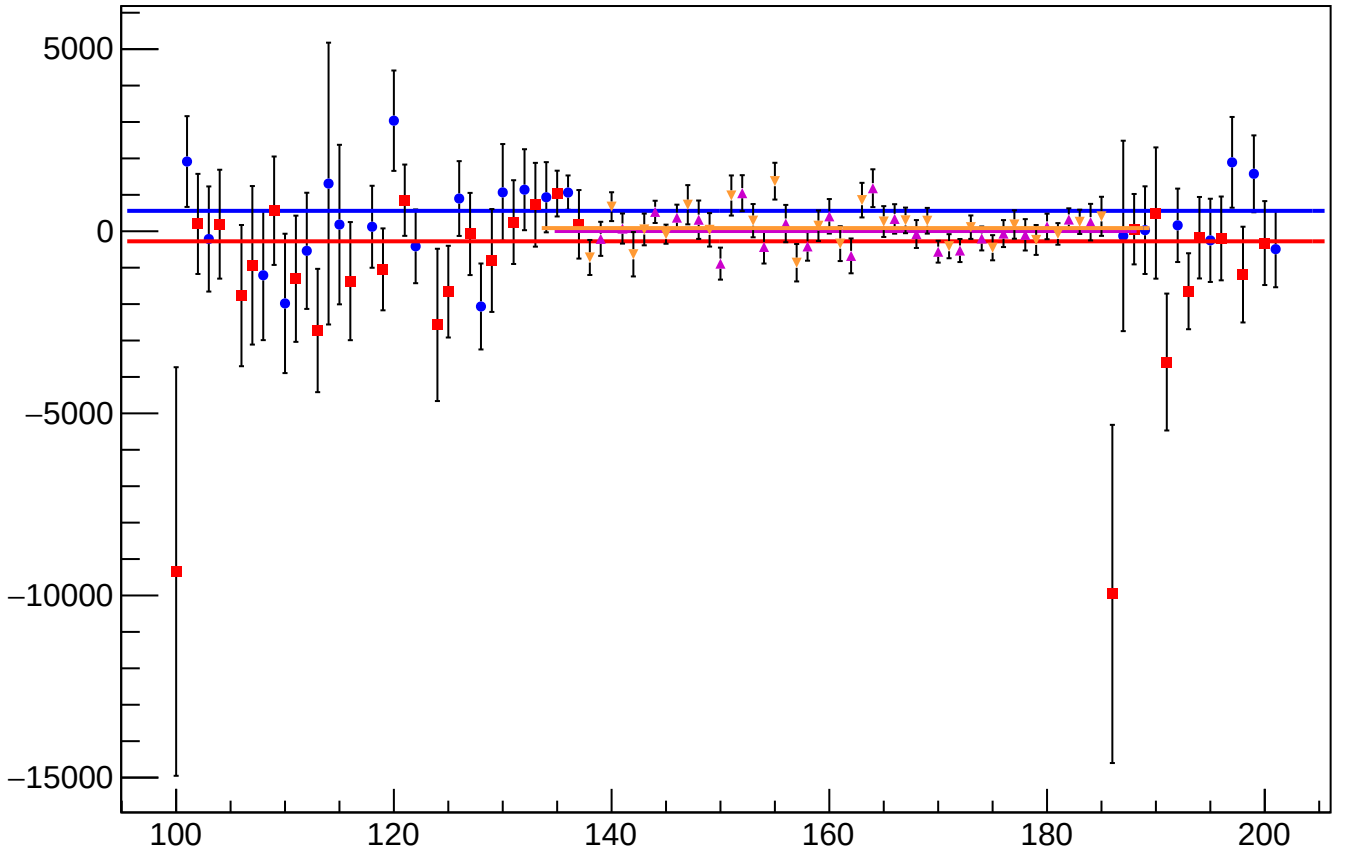
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 91.518+/-0.013 χ^2/NDF: 3099416.6/50

In: 68.866+/-0.009 χ^2/NDF:3480435.0/45

Out: 69.383+/-0.009 χ^2/NDF:4513105.8/52

All: 69.132+/-0.006 χ^2/NDF: 7995194.7/98



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: -276.158+/-237.902 χ^2/NDF: 26.7/27

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

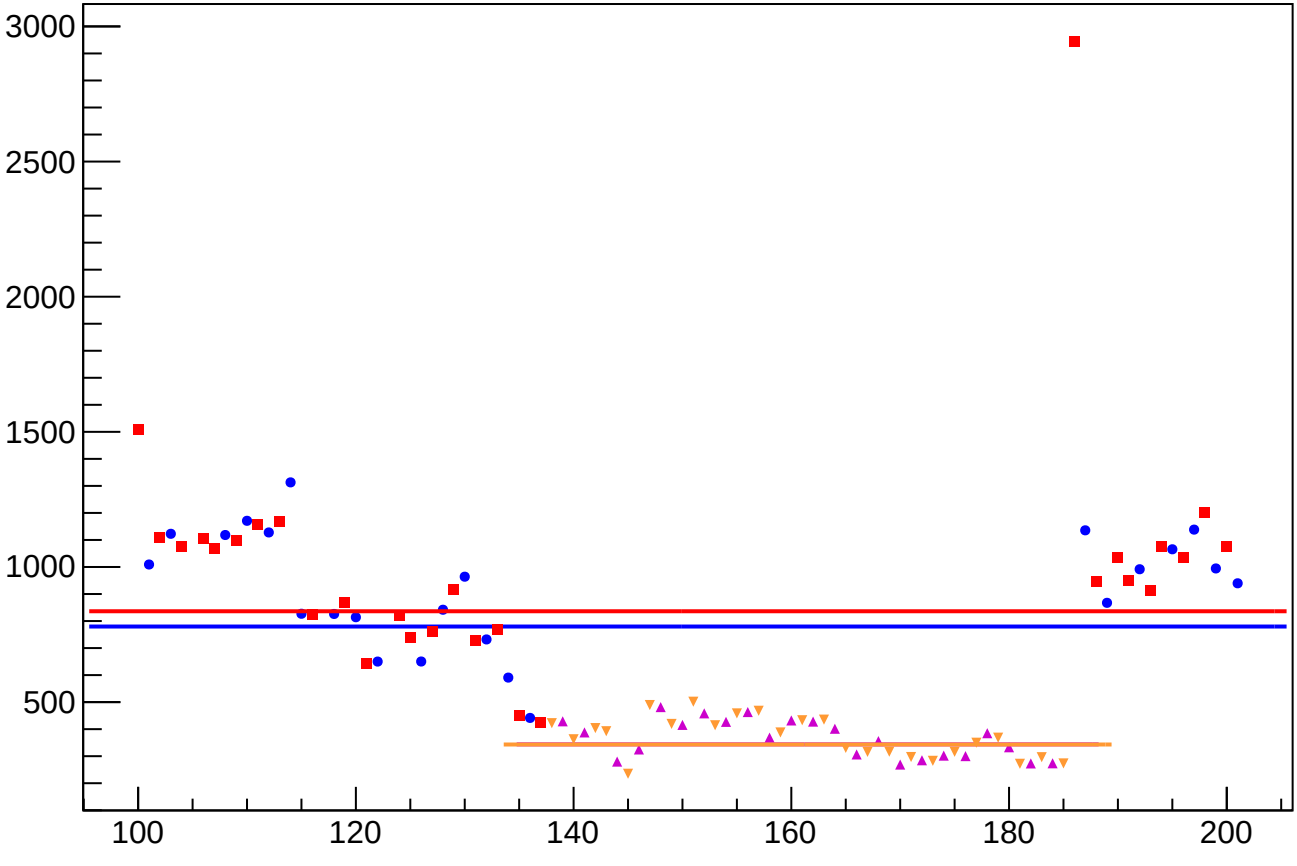
Right: 150.094+/-166.591 χ^2/NDF: 52.8/50

In: 67.501+/-77.456 χ^2/NDF:57.3/45

Out: 50.228+/-75.688 χ^2/NDF:60.4/52

All: 58.665+/-54.134 χ^2/NDF: 117.7/98

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: 836.216+/-0.168 χ^2/NDF: 2572977.4/27

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

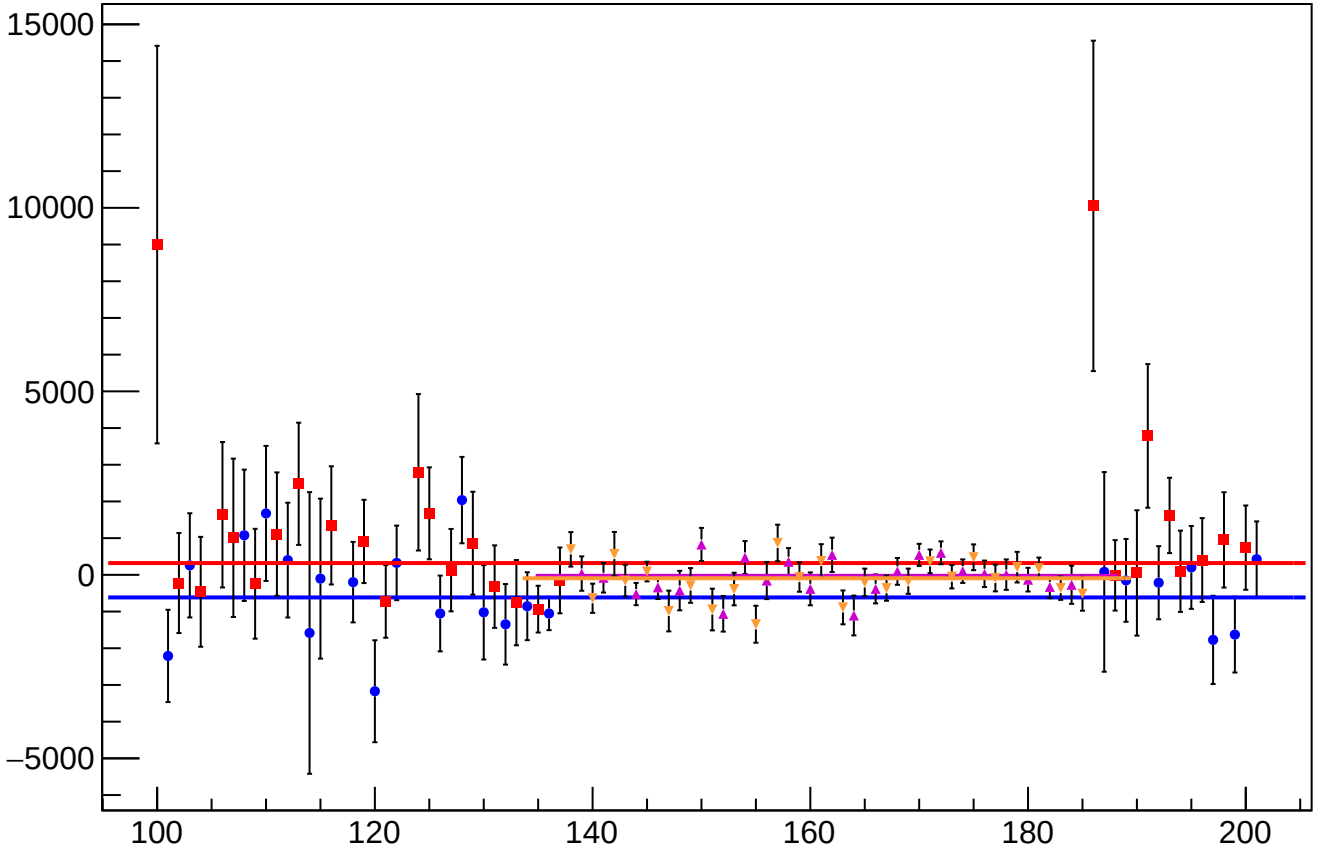
Right: 807.416+/-0.118 χ^2/NDF: 4887523.8/50

In: 391.751+/-0.055 χ^2/NDF:9727744.3/45

Out: 393.125+/-0.054 χ^2/NDF:11887507.3/52

All: 392.454+/-0.038 χ^2/NDF: 21615573.6/98

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: 321.394+/-236.640 χ^2/NDF: 25.4/27

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

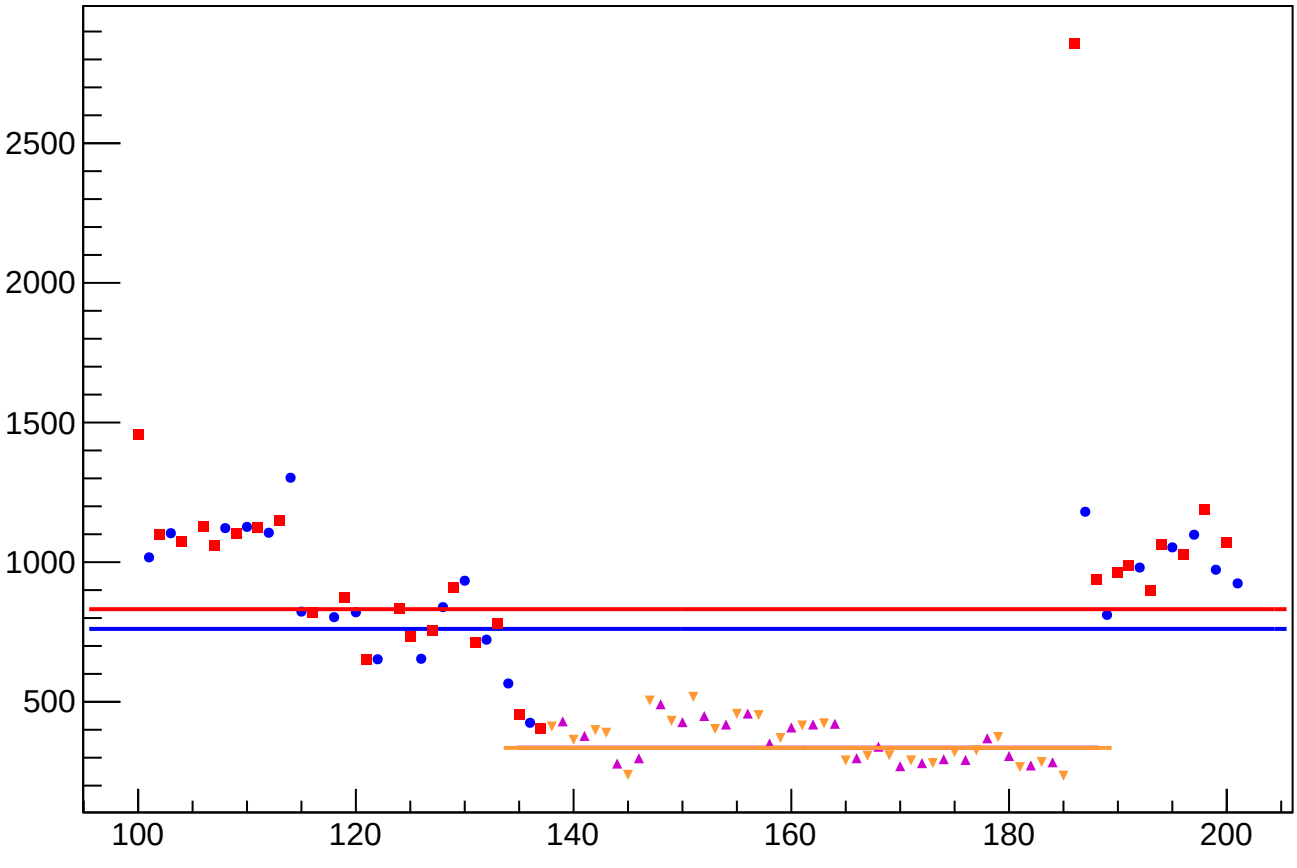
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -163.424+/-164.354 χ^2/NDF: 53.5/50

In: -91.711+/-75.678 χ^2/NDF:56.8/45

Out: -51.920+/-74.237 χ^2/NDF:62.4/52

All: -71.433+/-52.996 χ^2/NDF: 119.3/98



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: 831.708+/-0.167 χ^2/NDF: 2548629.7/27

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

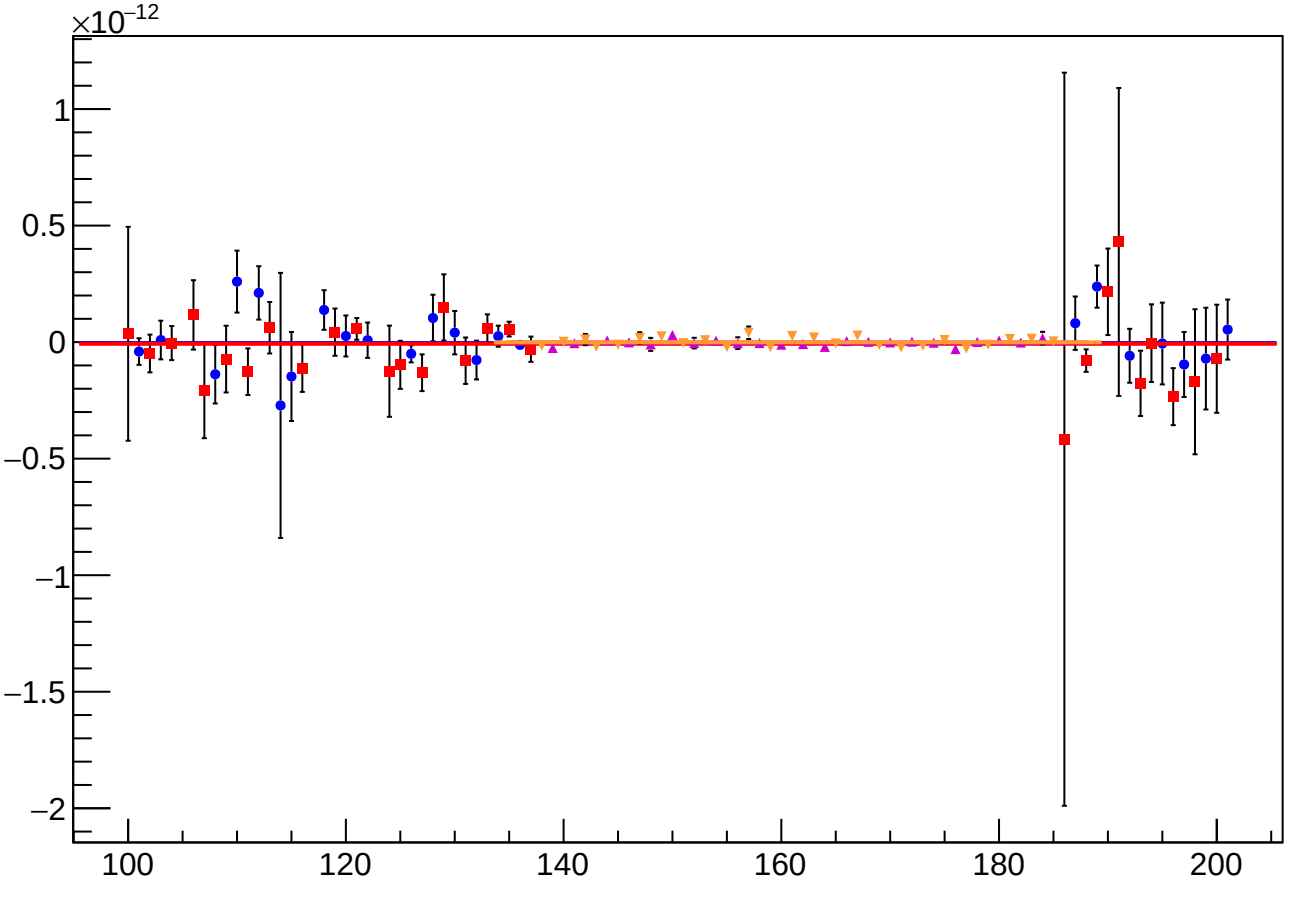
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 795.144+/-0.116 χ^2/NDF: 5000753.6/50

In: 382.461+/-0.054 χ^2/NDF:9822240.2/45

Out: 384.019+/-0.052 χ^2/NDF:12194233.7/52

All: 383.255+/-0.037 χ^2/NDF: 22016905.9/98



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: 27.2/27

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

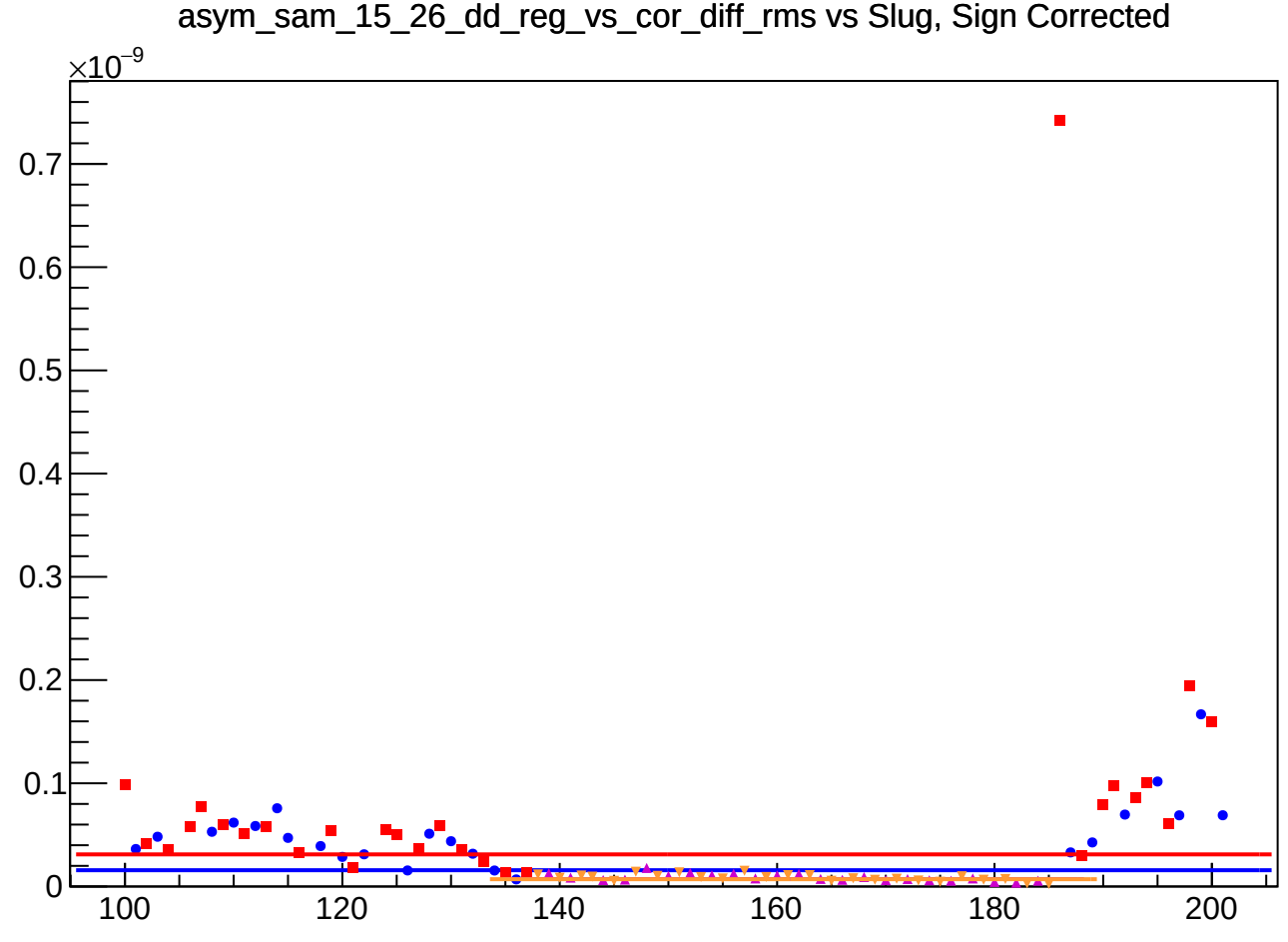
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

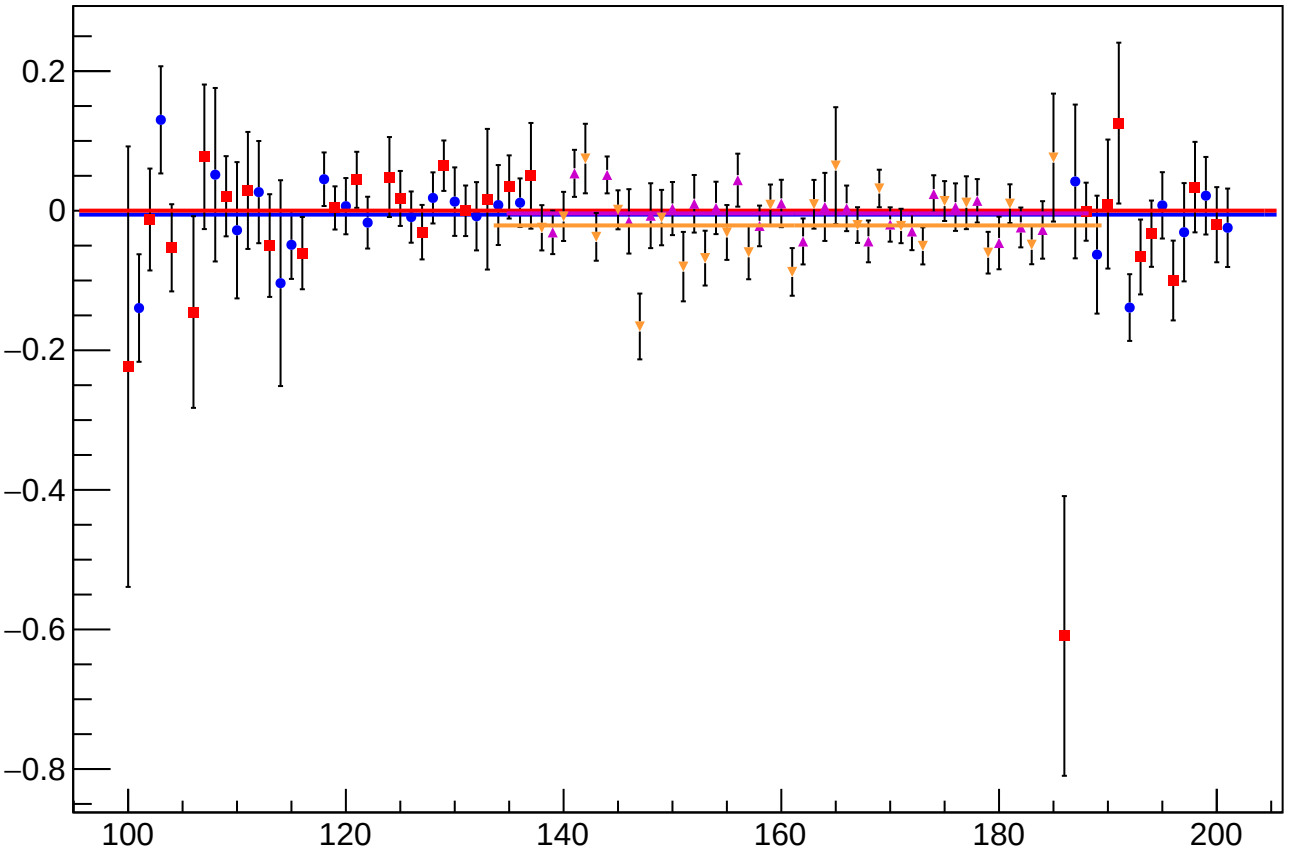
Right: -0.000+/-0.000 χ^2/NDF: 53.2/50

In: -0.000+/-0.000 χ^2/NDF:40.8/45

Out: -0.000+/-0.000 χ^2/NDF:60.6/52

All: -0.000+/-0.000 χ^2/NDF: 101.5/98


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: 4335905.8/27
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: 11521272.6/50
In: 0.000+/-0.000 χ²/NDF:8766498.8/45
Out: 0.000+/-0.000 χ²/NDF:10790265.7/52
All: 0.000+/-0.000 χ²/NDF: 19557134.7/98



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: 0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

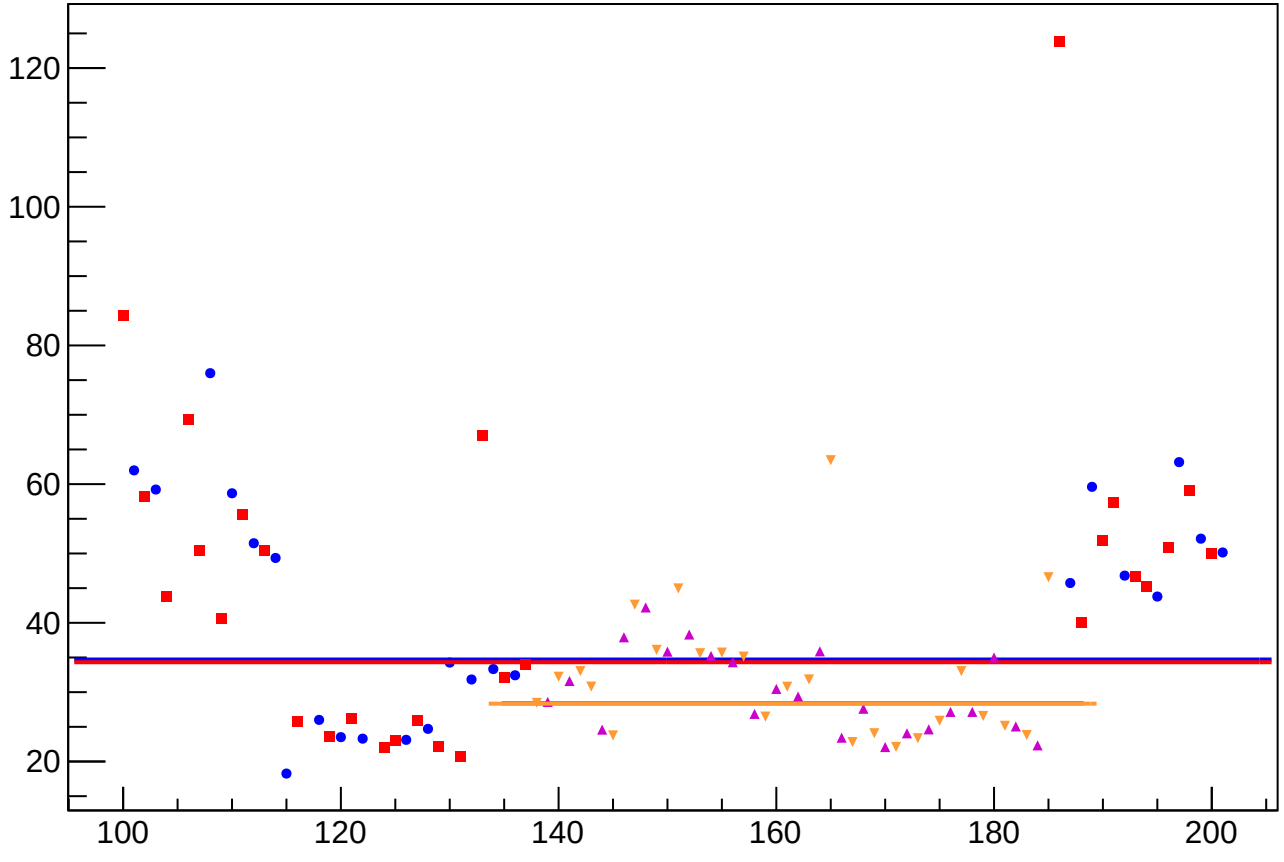
Right: -0.003+/-0.007 χ^2/NDF: 47.7/50

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.1/98

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: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

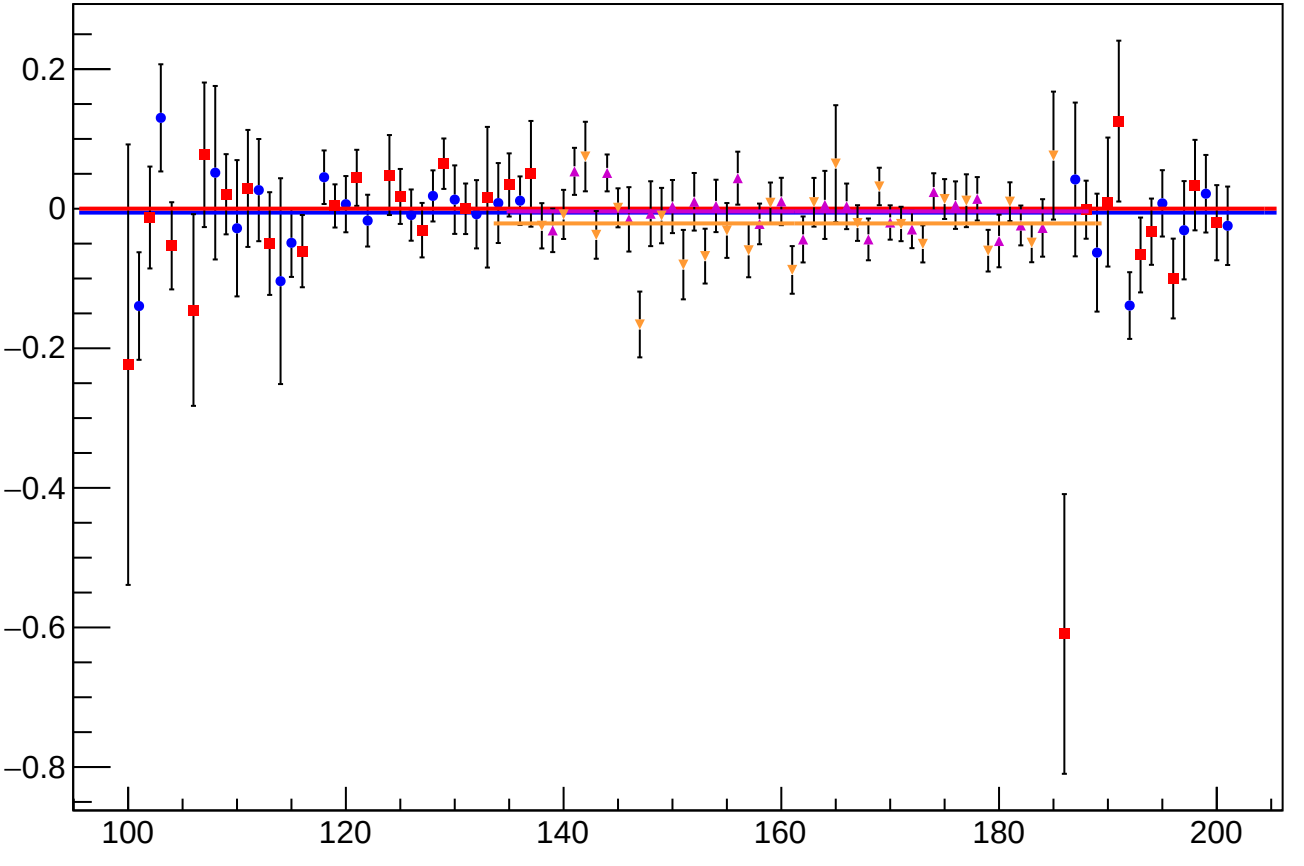
Right: 34.501+/-0.005 χ^2/NDF: 6647808.0/50

In: 30.206+/-0.004 χ^2/NDF:4614379.0/45

Out: 30.135+/-0.004 χ^2/NDF:5834091.8/52

All: 30.169+/-0.003 χ^2/NDF: 10448627.7/98

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

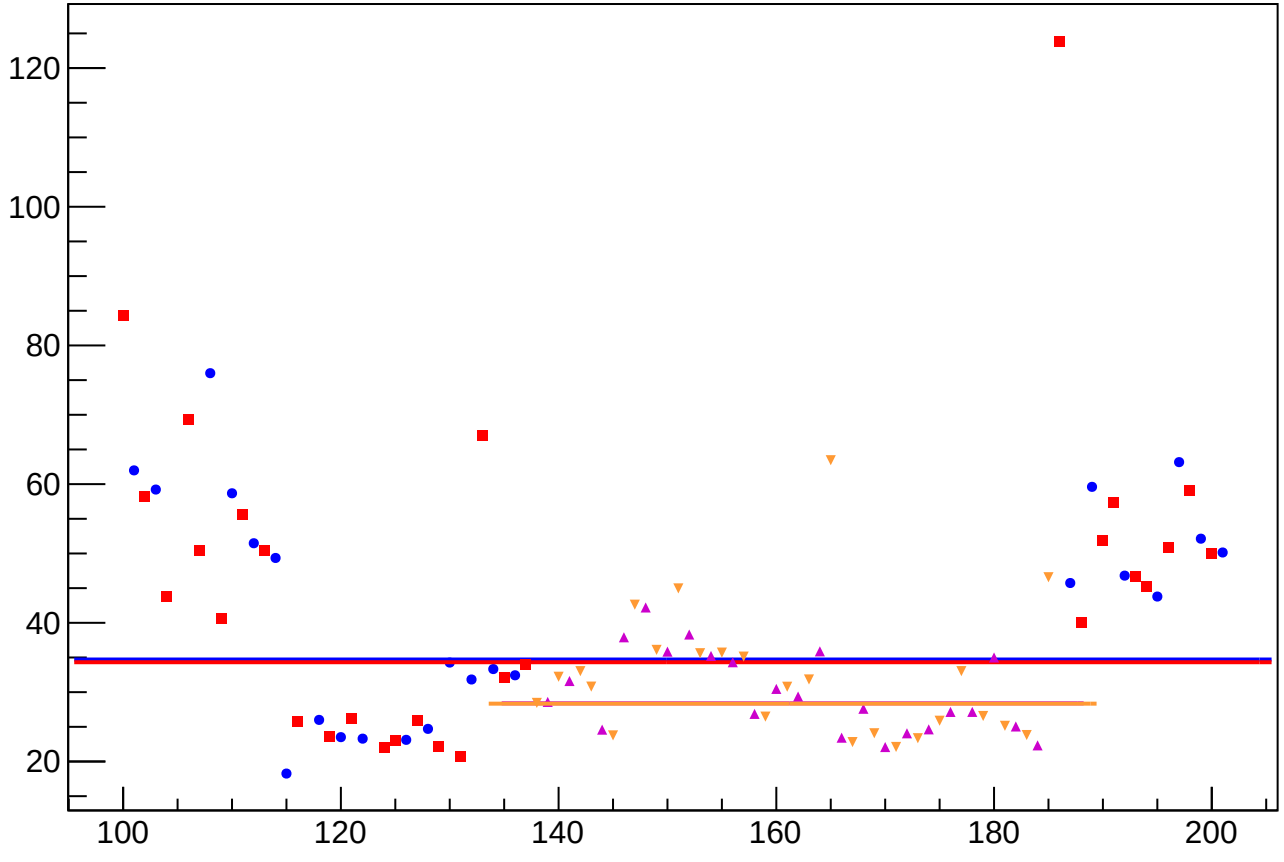
Right: -0.003+/-0.007 χ^2/NDF: 47.7/50

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.1/98

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: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

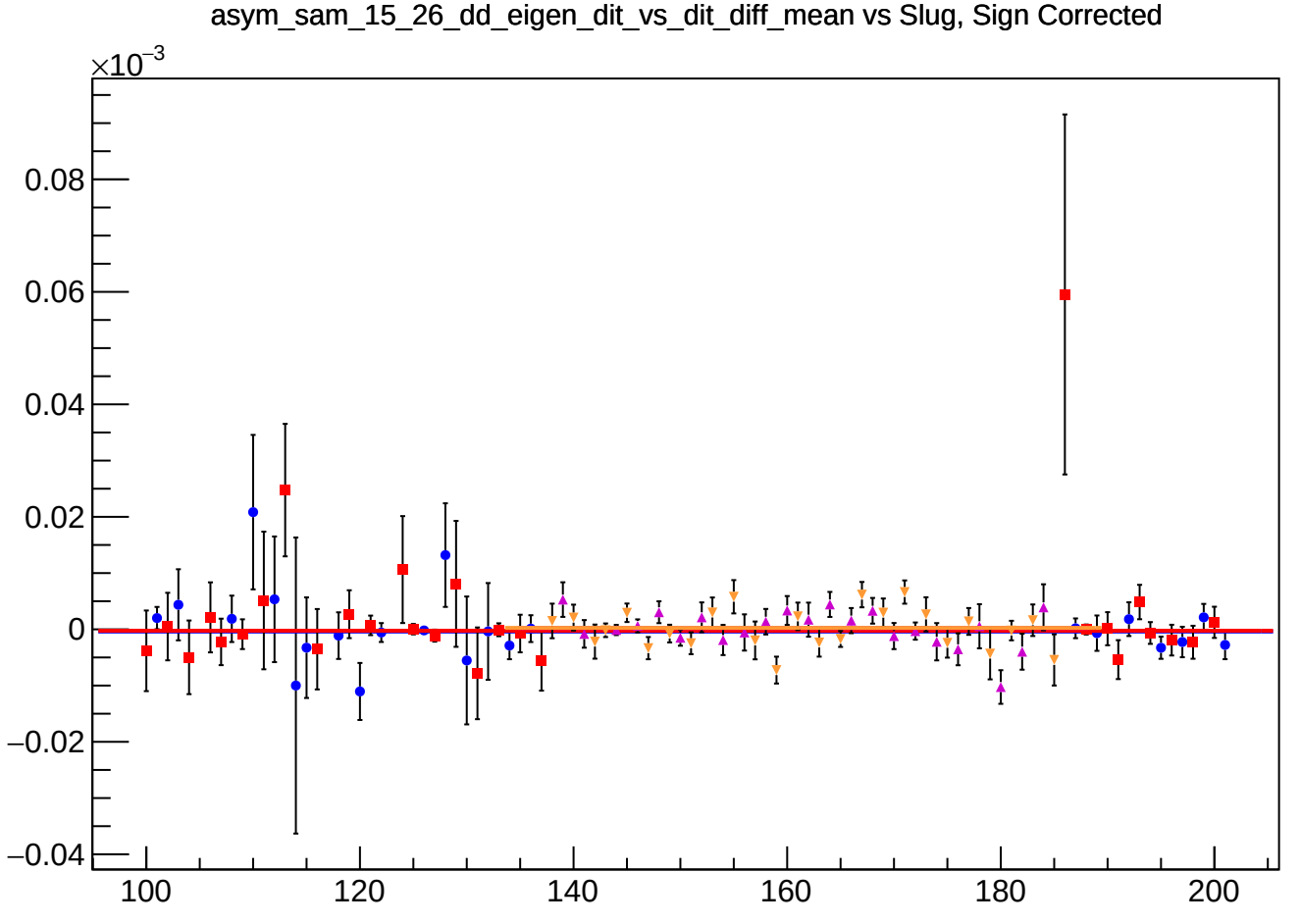
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.501+/-0.005 χ^2/NDF: 6647808.0/50

In: 30.206+/-0.004 χ^2/NDF:4614379.0/45

Out: 30.135+/-0.004 χ^2/NDF:5834091.8/52

All: 30.169+/-0.003 χ^2/NDF: 10448627.7/98



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: 21.2/27

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

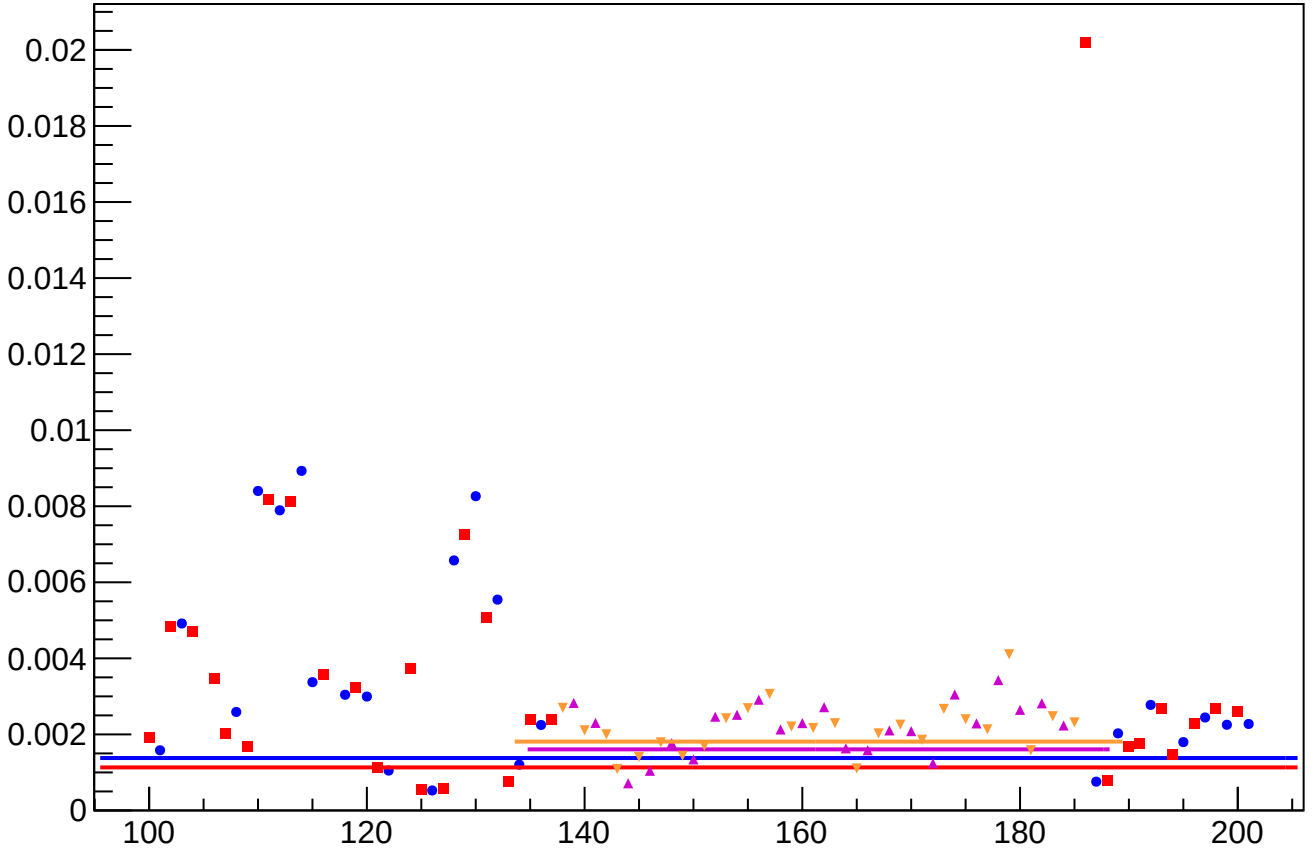
Right: -0.000+/-0.000 χ^2/NDF: 39.7/50

In: -0.000+/-0.000 χ^2/NDF:52.6/45

Out: -0.000+/-0.000 χ^2/NDF:72.7/52

All: -0.000+/-0.000 χ^2/NDF: 125.3/98

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: 10248687.3/27

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

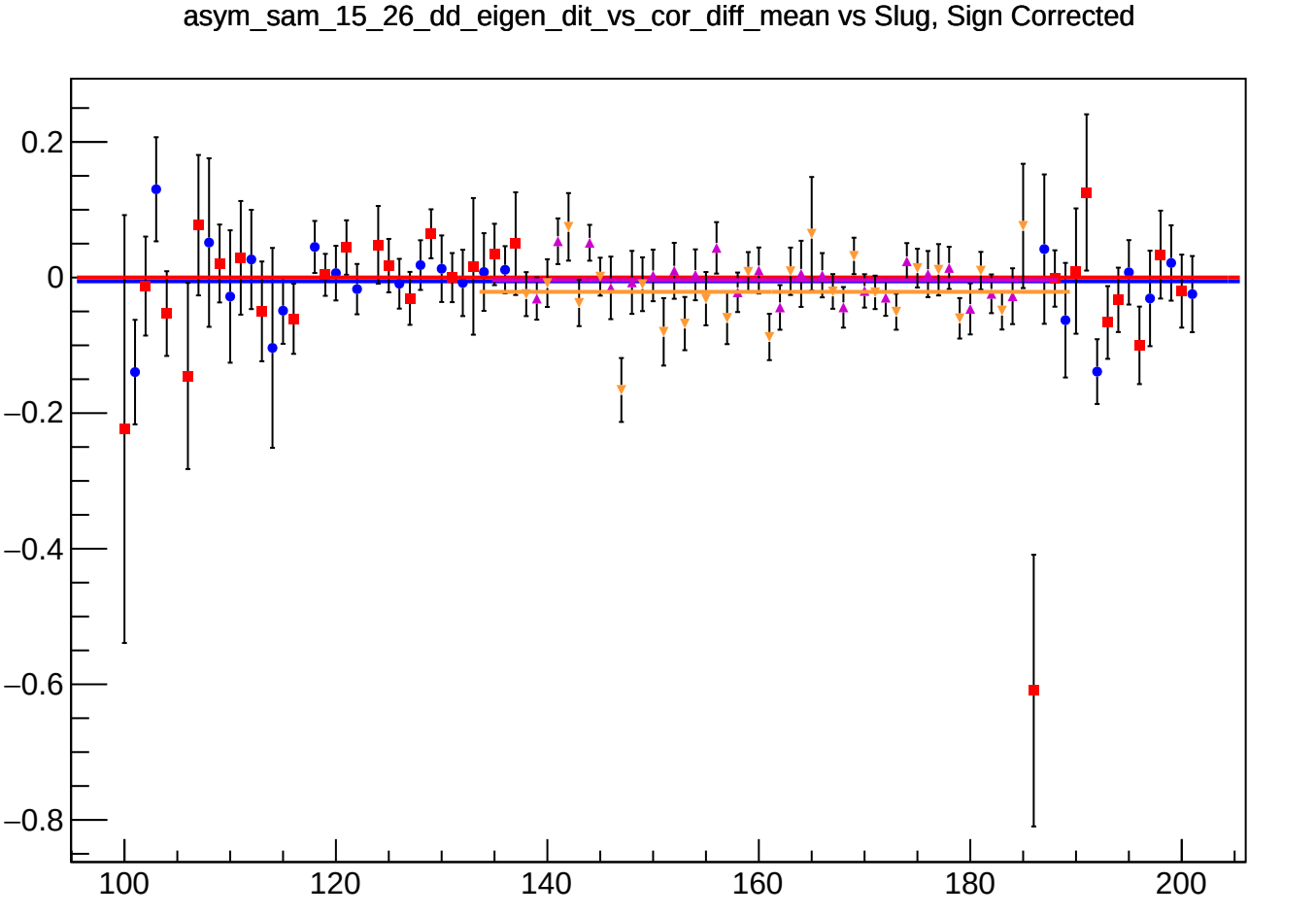
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19345006.6/50

In: 0.002+/-0.000 χ^2/NDF:15083513.4/45

Out: 0.001+/-0.000 χ^2/NDF:16248273.9/52

All: 0.001+/-0.000 χ^2/NDF: 31367582.0/98



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: 0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

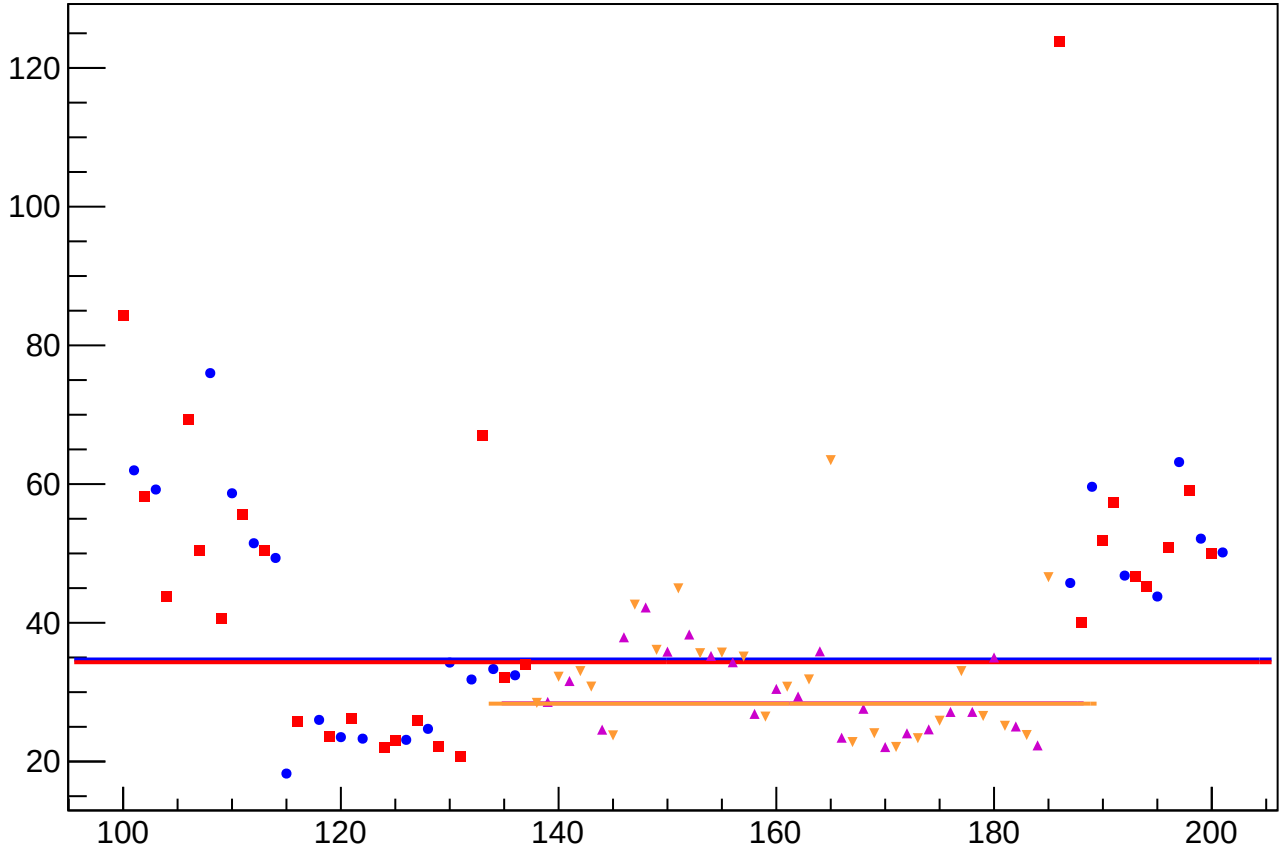
Right: -0.003+/-0.007 χ^2/NDF: 47.7/50

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.1/98

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: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

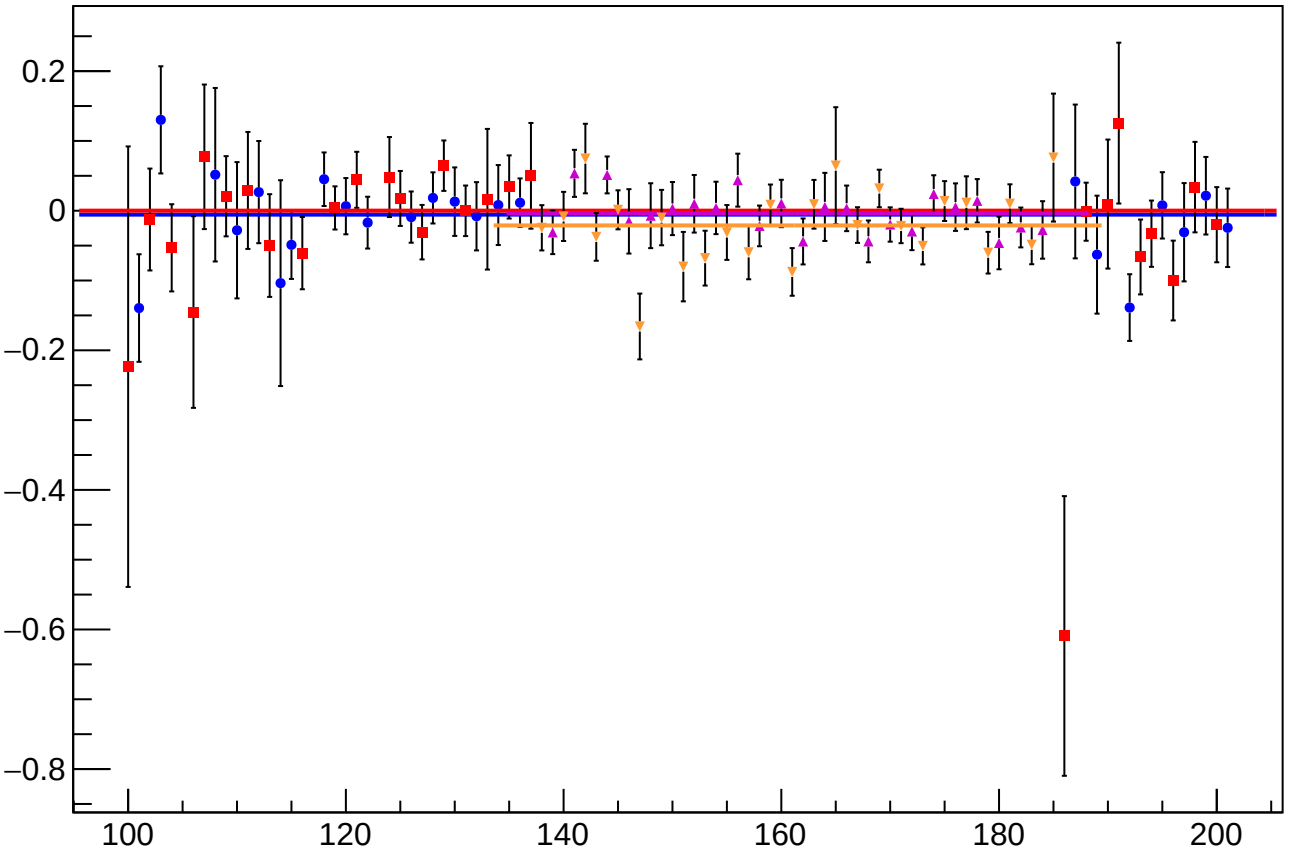
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.501+/-0.005 χ^2/NDF: 6647748.7/50

In: 30.207+/-0.004 χ^2/NDF:4614218.8/45

Out: 30.135+/-0.004 χ^2/NDF:5834064.7/52

All: 30.169+/-0.003 χ^2/NDF: 10448441.6/98



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: 0.000+/-0.010 χ^2/NDF: 27.9/27

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

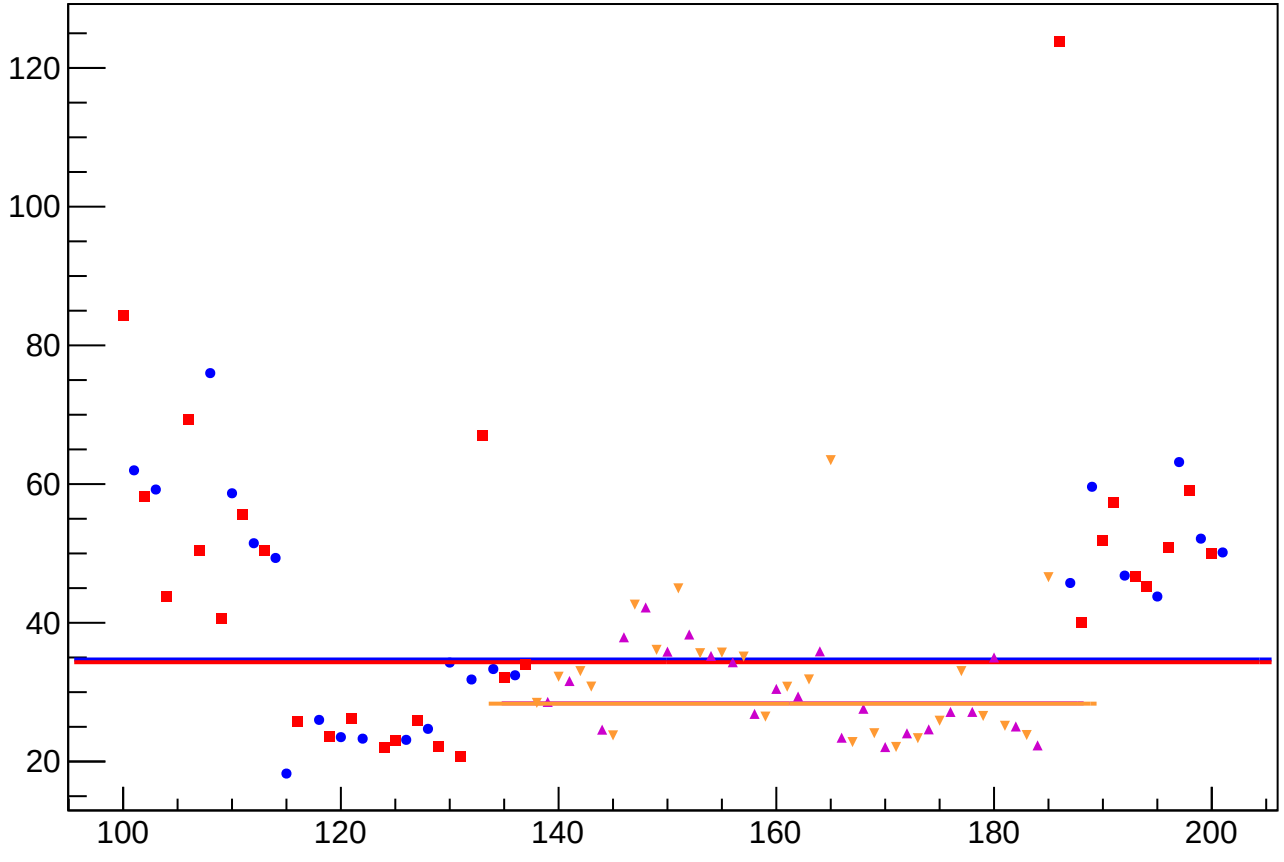
Right: -0.003+/-0.007 χ^2/NDF: 47.7/50

In: -0.004+/-0.006 χ^2/NDF:38.3/45

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.1/98

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: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

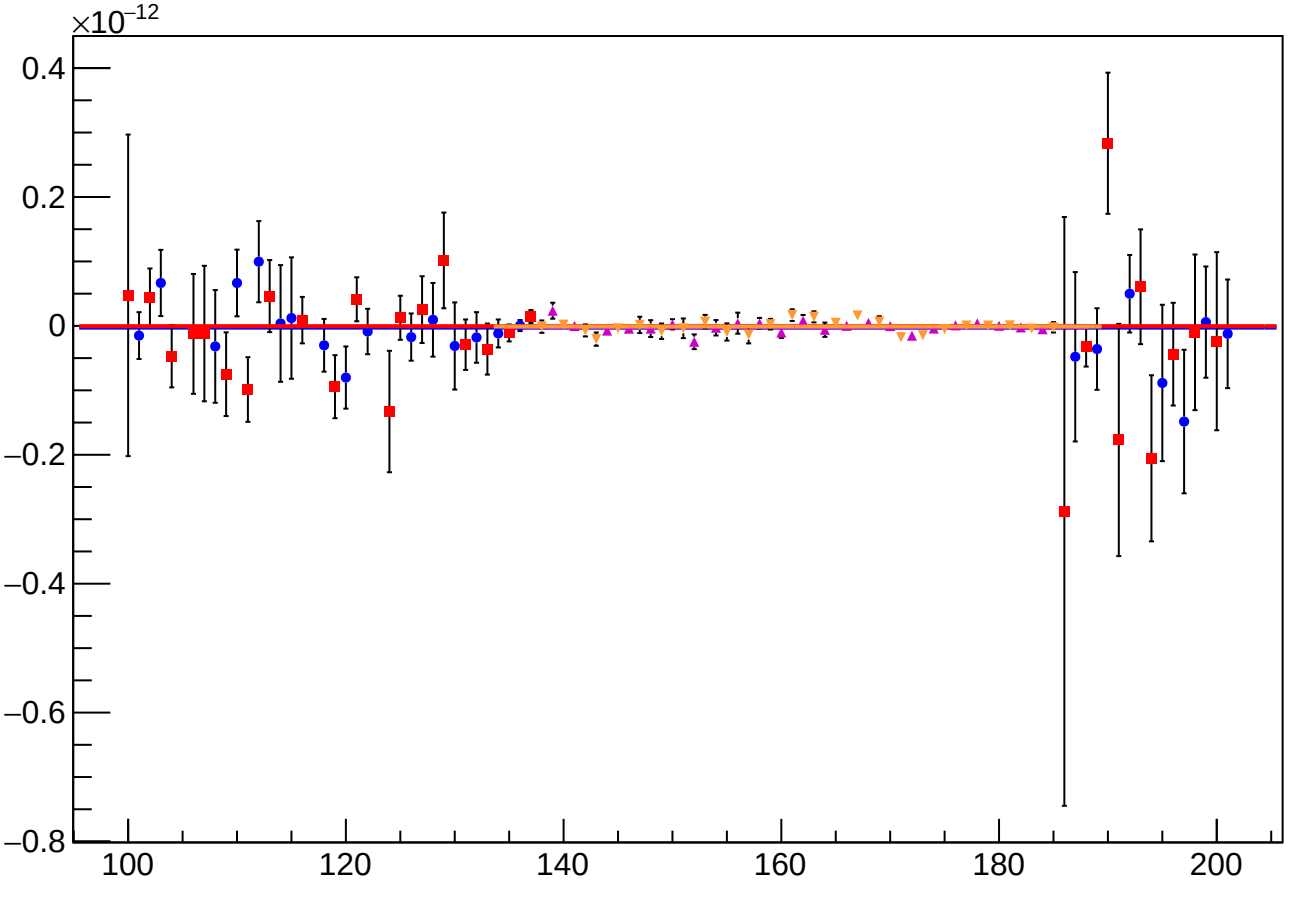
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.501+/-0.005 χ^2/NDF: 6647748.7/50

In: 30.207+/-0.004 χ^2/NDF:4614218.8/45

Out: 30.135+/-0.004 χ^2/NDF:5834064.7/52

All: 30.169+/-0.003 χ^2/NDF: 10448441.6/98



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: 33.9/27

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

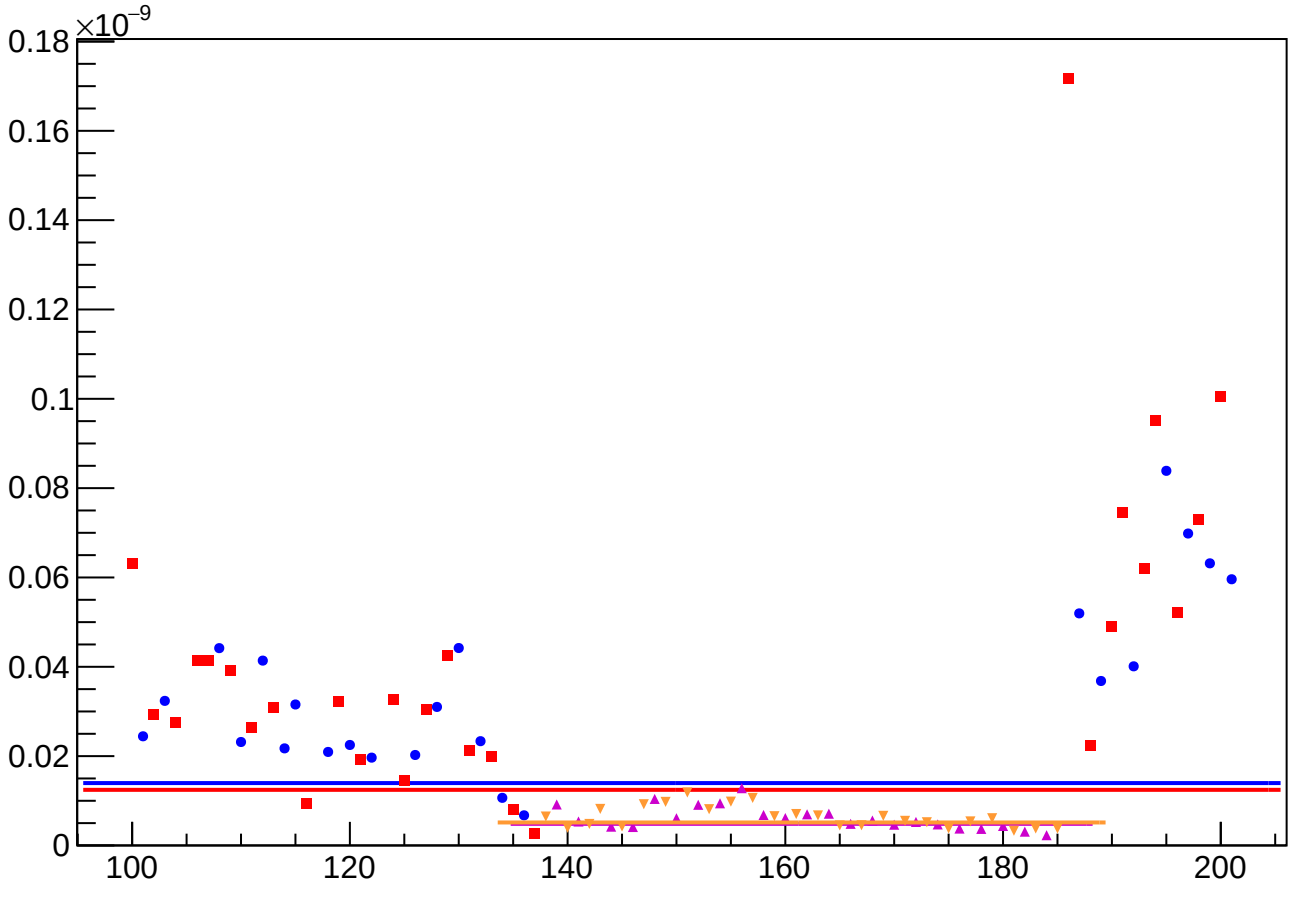
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.8/50

In: -0.000+/-0.000 χ^2/NDF:33.4/45

Out: -0.000+/-0.000 χ^2/NDF:68.0/52

All: -0.000+/-0.000 χ^2/NDF: 101.6/98



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: 9100598.4/27

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

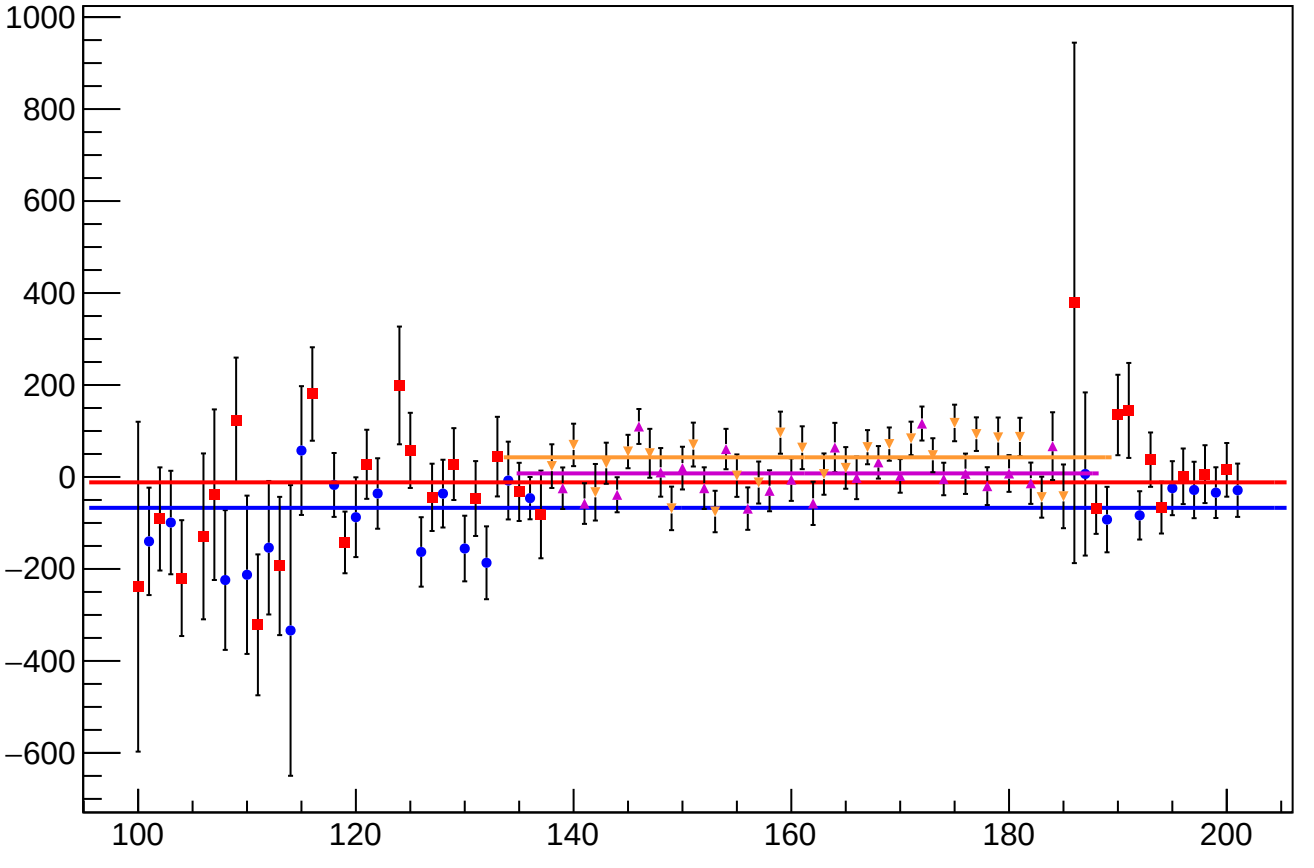
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15932269.0/50

In: 0.000+/-0.000 χ^2/NDF:13403051.9/45

Out: 0.000+/-0.000 χ^2/NDF:14585692.1/52

All: 0.000+/-0.000 χ^2/NDF: 28021953.4/98



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: -11.682+/-15.769 χ^2/NDF: 32.0/27

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

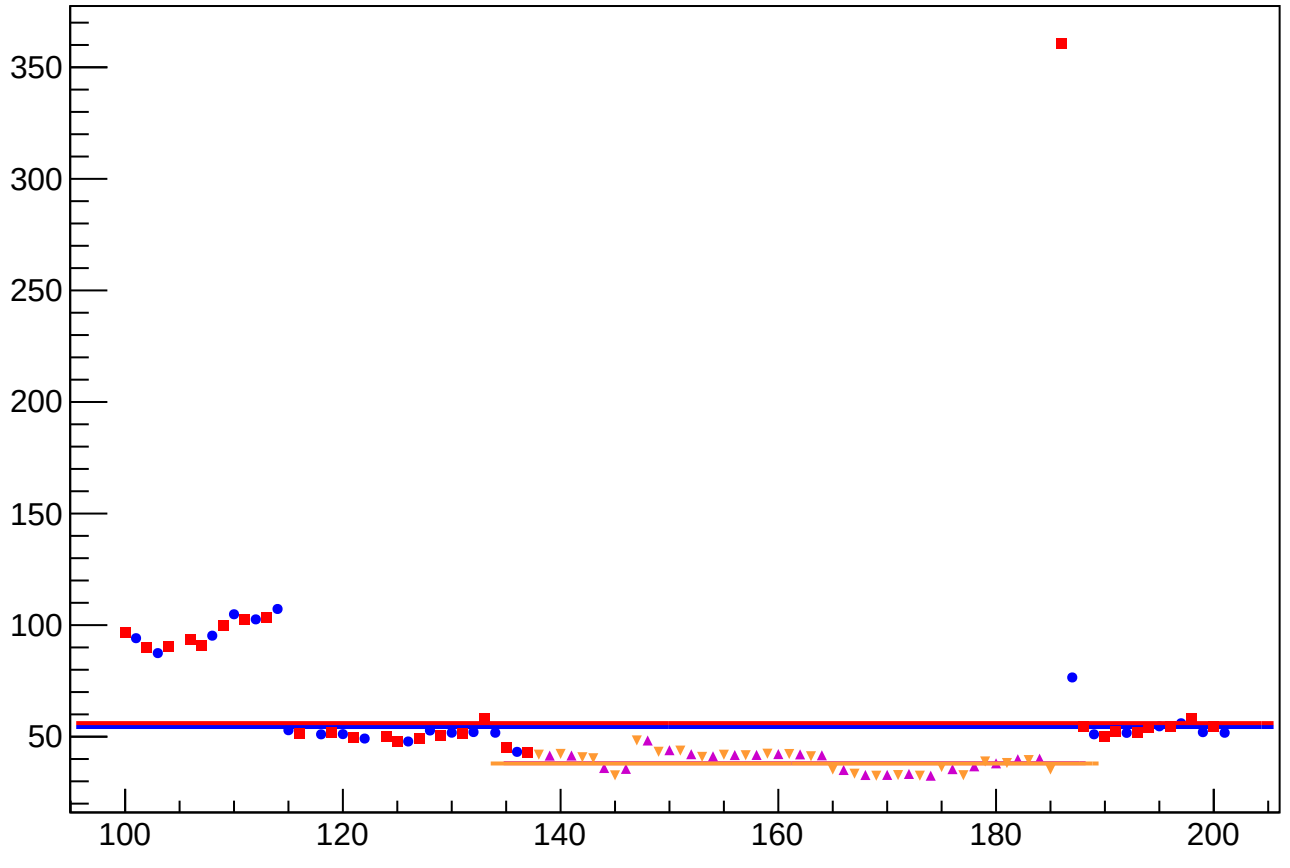
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -39.149+/-11.200 χ^2/NDF: 51.4/50

In: -10.293+/-7.817 χ^2/NDF:60.7/45

Out: 30.063+/-7.616 χ^2/NDF:75.9/52

All: 10.409+/-5.455 χ^2/NDF: 150.2/98



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: 56.086+/-0.011 χ^2/NDF: 1901291.4/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

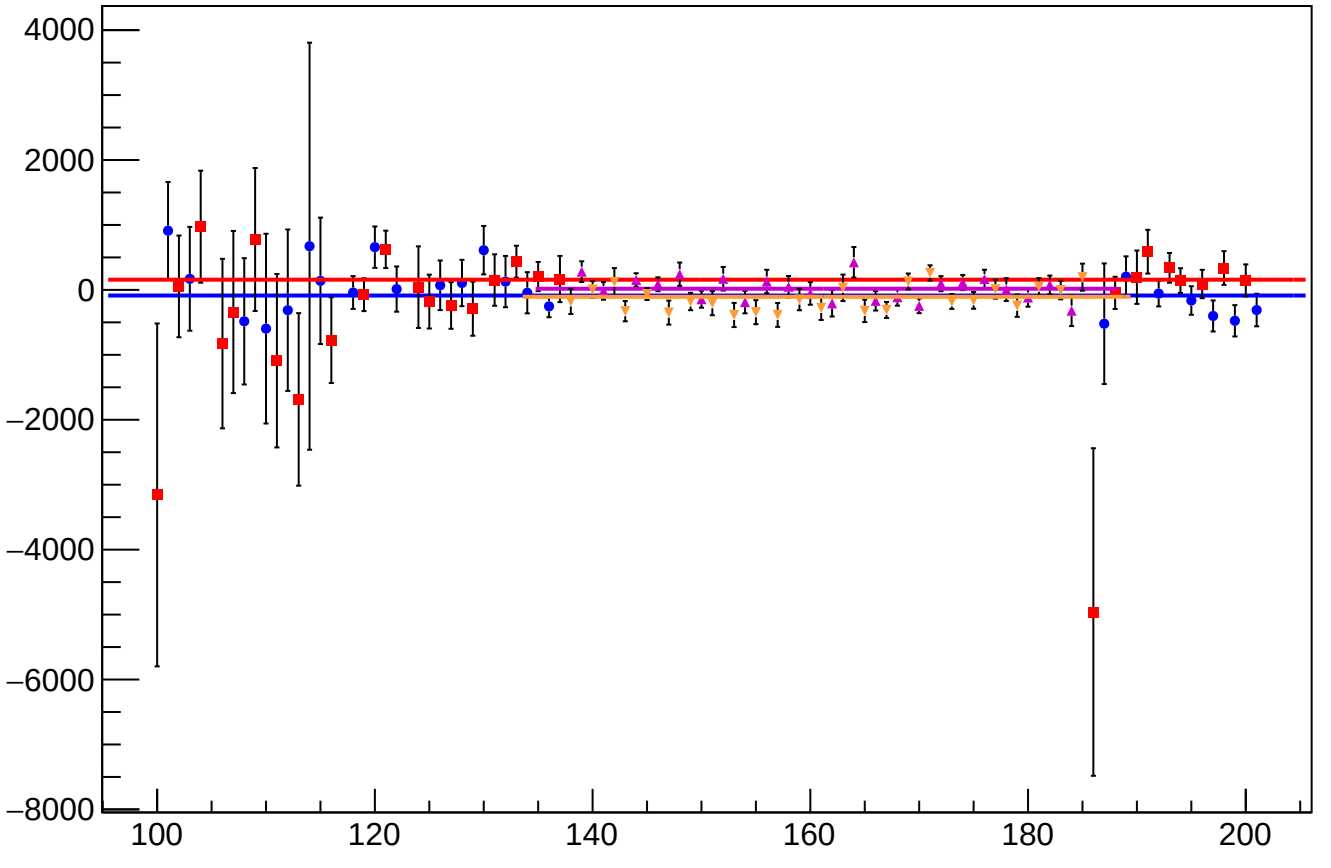
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.219+/-0.008 χ^2/NDF: 3118807.7/50

In: 42.044+/-0.006 χ^2/NDF:3207494.3/45

Out: 42.211+/-0.005 χ^2/NDF:4434387.3/52

All: 42.130+/-0.004 χ^2/NDF: 7642352.6/98



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: 157.075+/-64.638 χ^2/NDF: 23.8/27

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

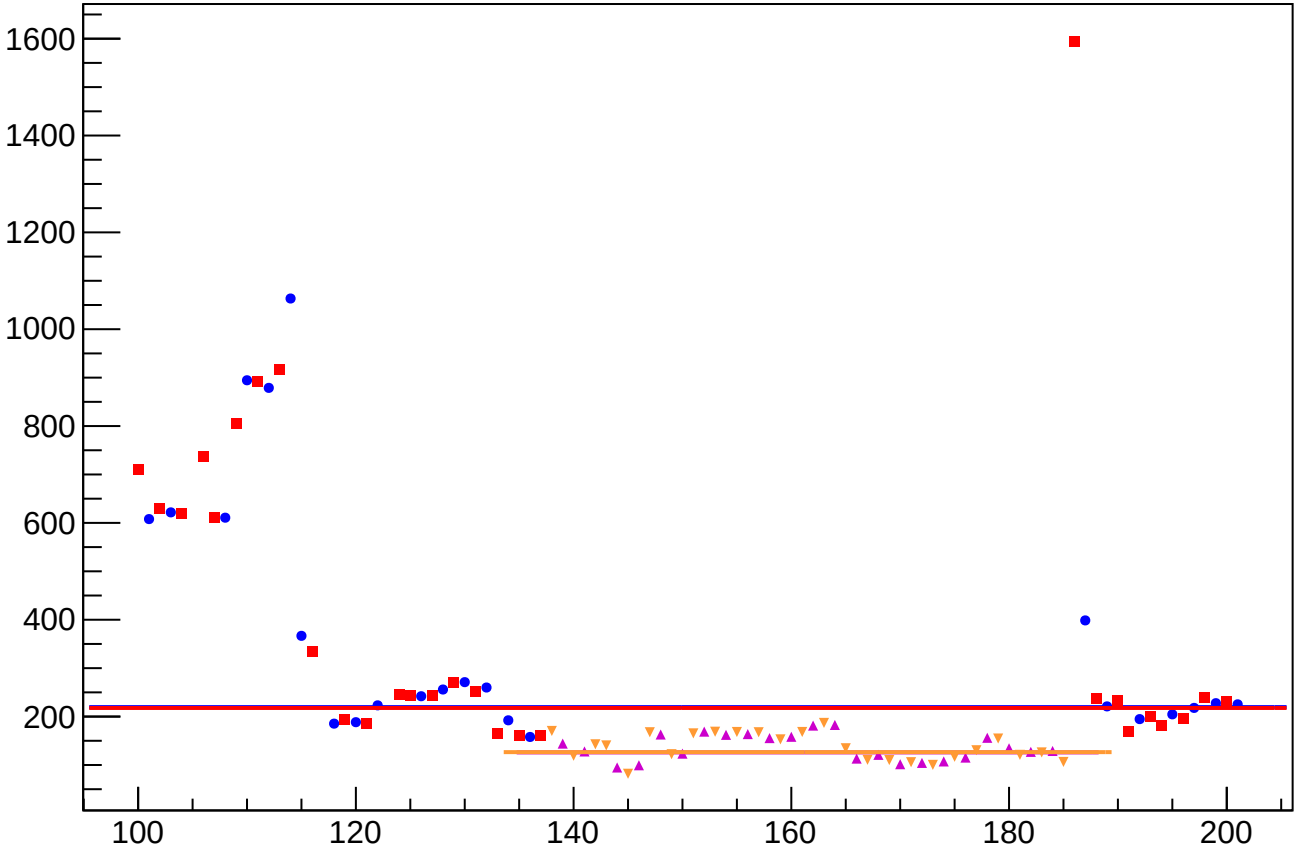
Right: 39.604+/-46.534 χ^2/NDF: 50.2/50

In: -0.061+/-27.524 χ^2/NDF:49.8/45

Out: -60.908+/-26.885 χ^2/NDF:75.2/52

All: -31.199+/-19.233 χ^2/NDF: 127.5/98

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: 217.805+/-0.046 χ^2/NDF: 4433444.4/27

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

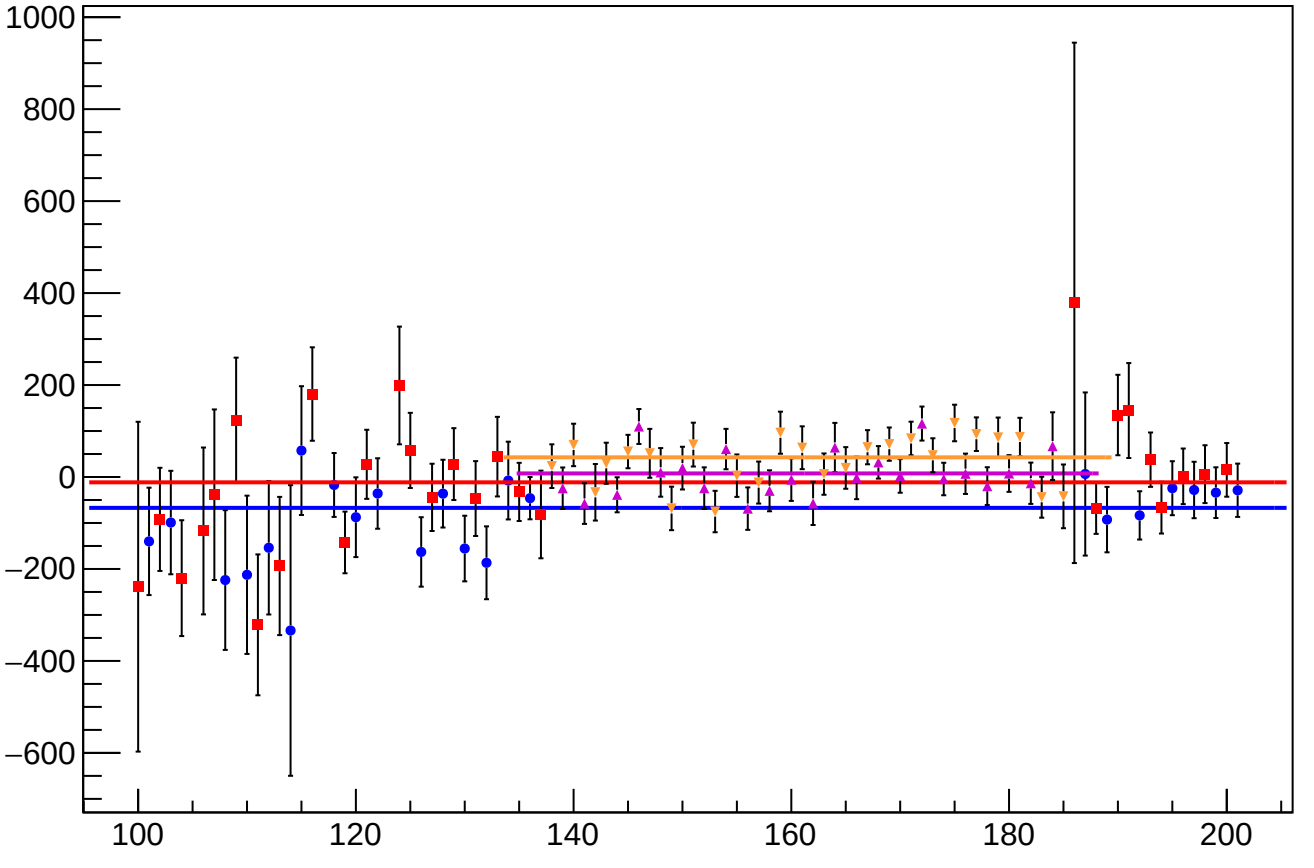
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 218.638+/-0.033 χ^2/NDF: 7525134.4/50

In: 141.775+/-0.019 χ^2/NDF:7737189.7/45

Out: 142.346+/-0.019 χ^2/NDF:9487501.5/52

All: 142.067+/-0.014 χ^2/NDF: 17225131.0/98



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: -11.602+/-15.770 χ^2/NDF: 31.9/27

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

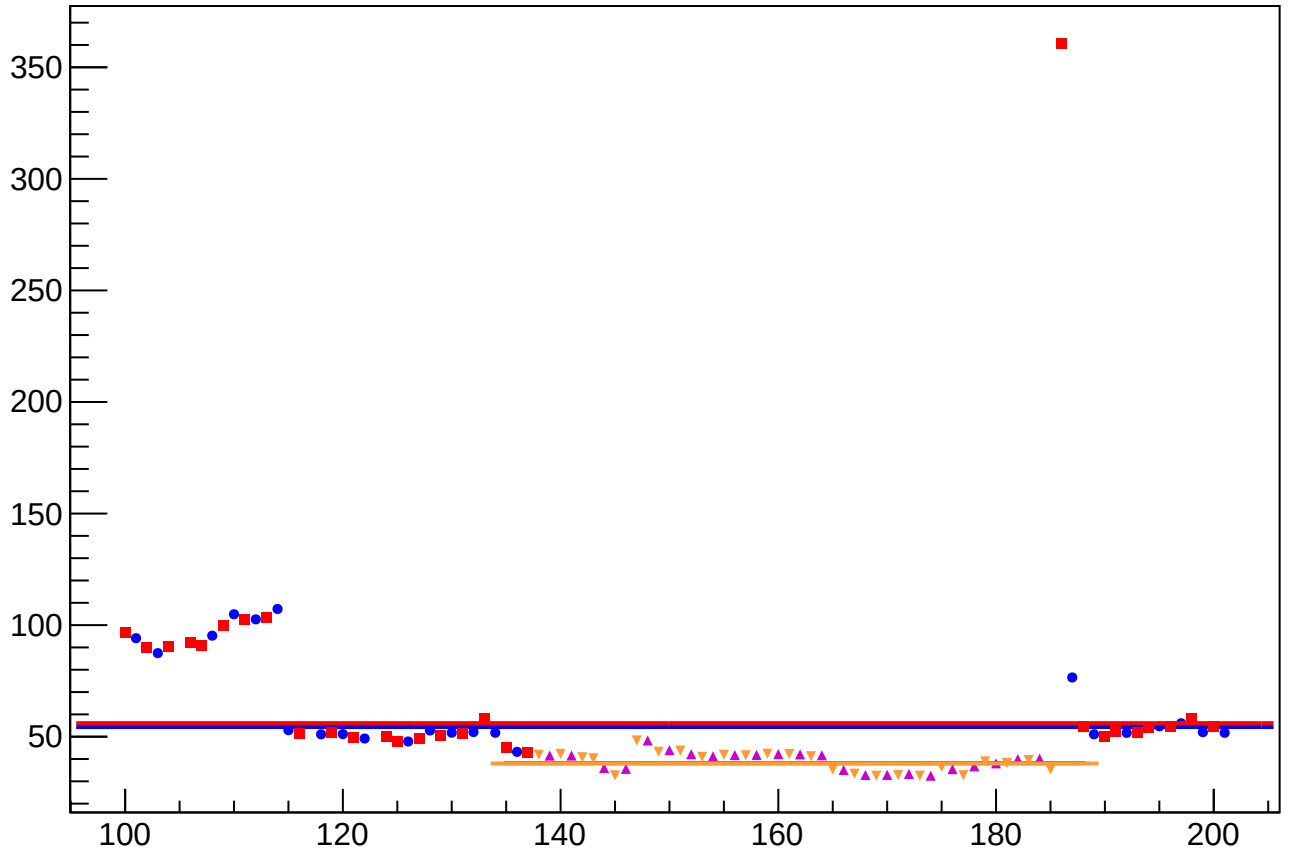
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -39.109+/-11.200 χ^2/NDF: 51.3/50

In: -10.292+/-7.817 χ^2/NDF:60.7/45

Out: 30.084+/-7.616 χ^2/NDF:75.8/52

All: 10.420+/-5.455 χ^2/NDF: 150.1/98



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: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

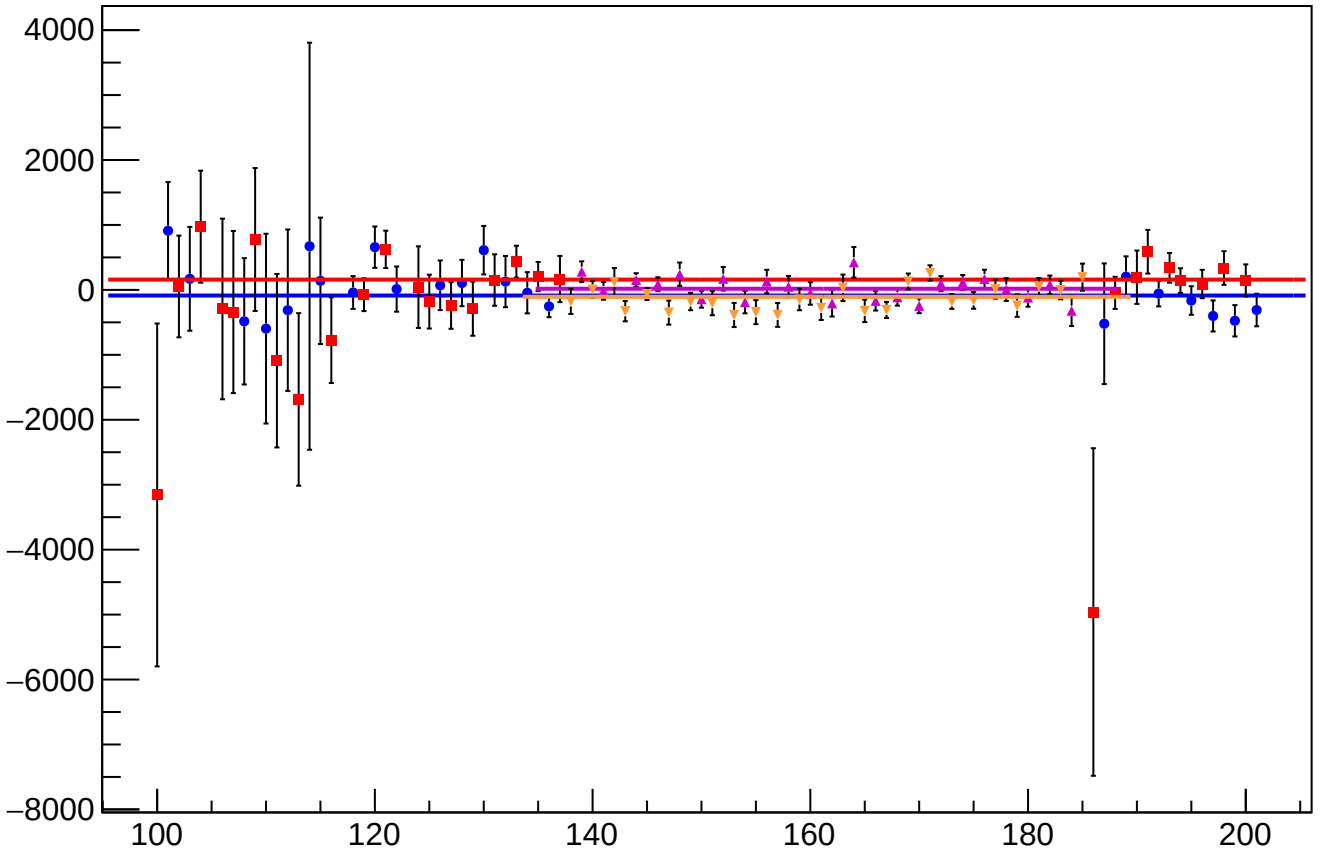
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.212+/-0.008 χ^2/NDF: 3110855.3/50

In: 42.044+/-0.006 χ^2/NDF:3207494.5/45

Out: 42.208+/-0.005 χ^2/NDF:4423169.5/52

All: 42.128+/-0.004 χ^2/NDF: 7631114.0/98



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: 158.497+/-64.648 χ^2/NDF: 23.4/27

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

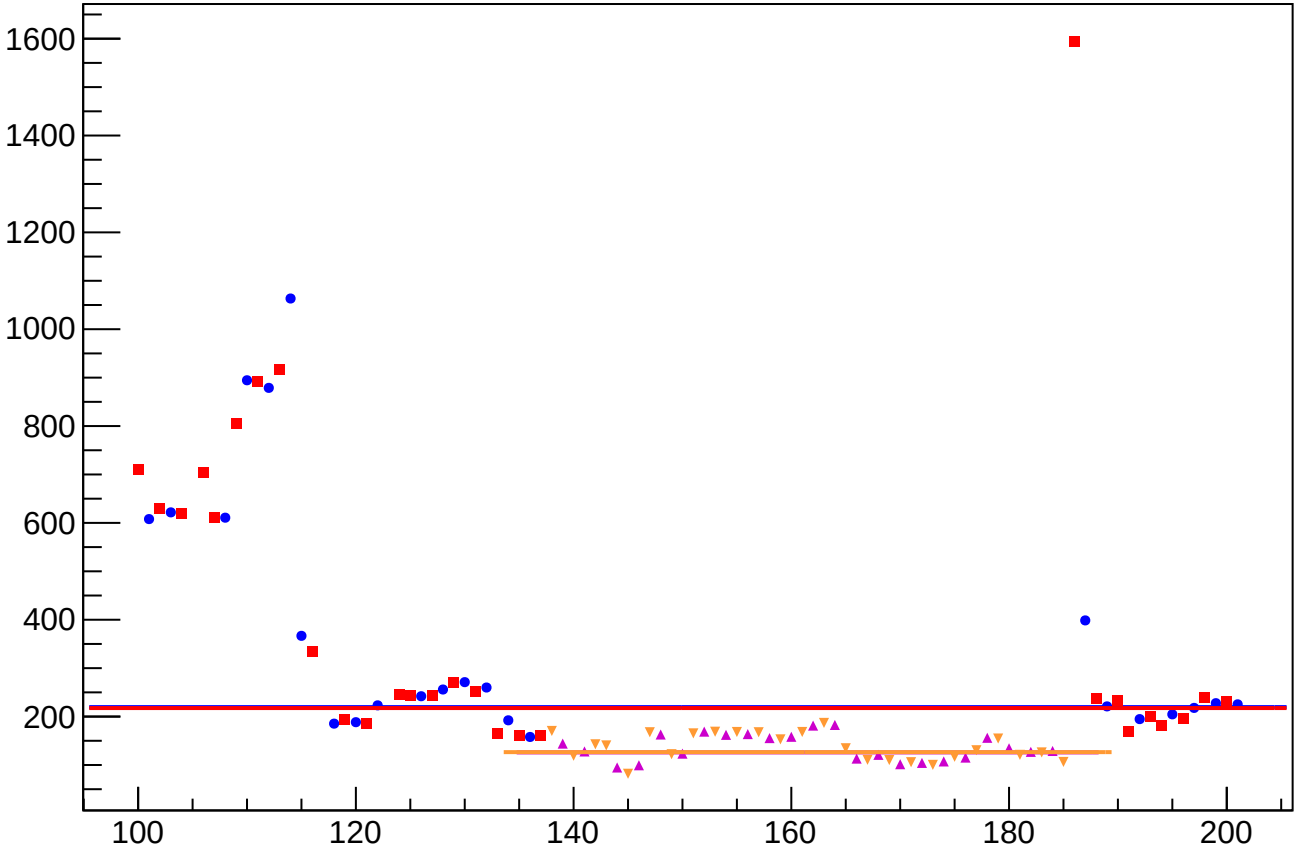
Right: 40.324+/-46.537 χ^2/NDF: 49.8/50

In: -0.060+/-27.524 χ^2/NDF:49.8/45

Out: -60.672+/-26.885 χ^2/NDF:74.9/52

All: -31.078+/-19.233 χ^2/NDF: 127.2/98

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: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

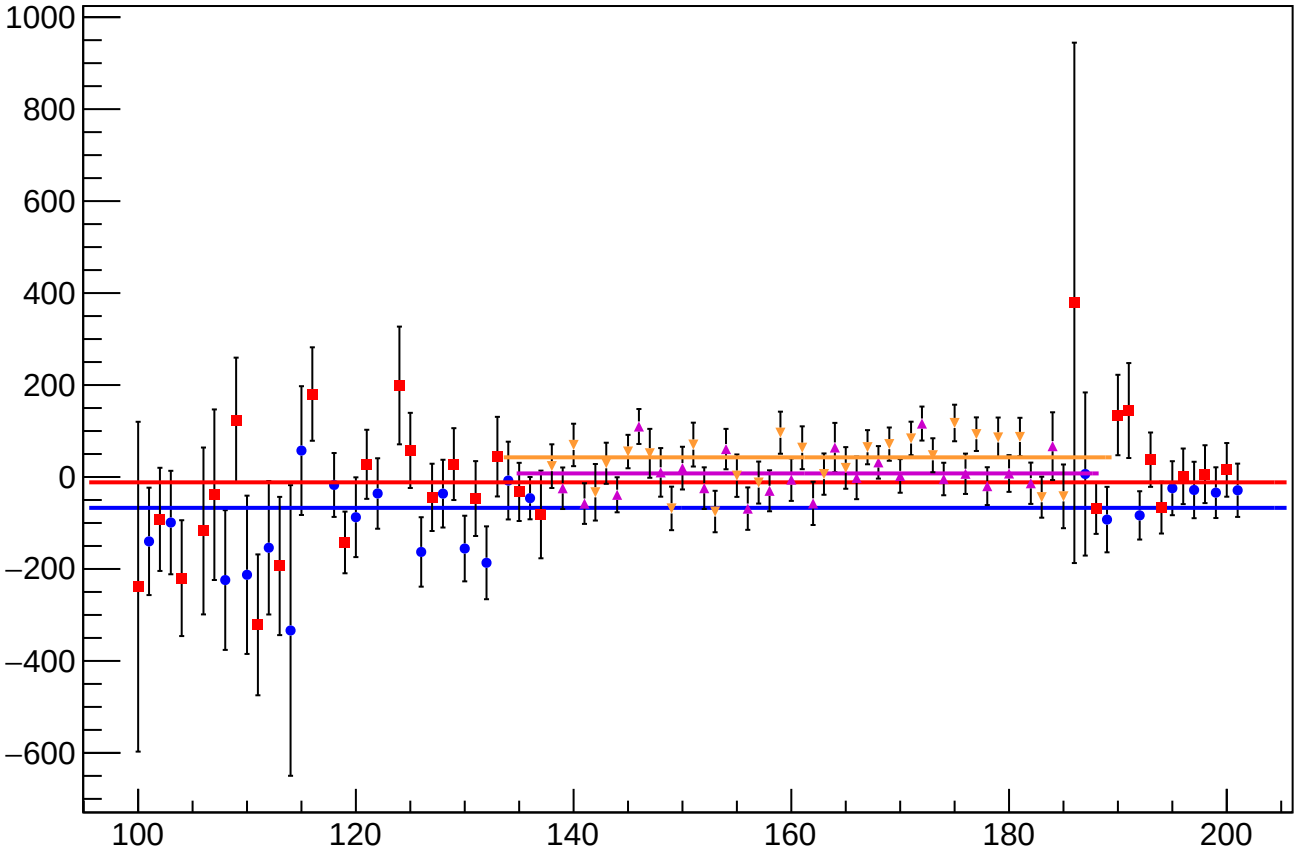
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 218.523+/-0.033 χ^2/NDF: 7454639.1/50

In: 141.775+/-0.019 χ^2/NDF:7737209.6/45

Out: 142.304+/-0.019 χ^2/NDF:9400042.1/52

All: 142.046+/-0.014 χ^2/NDF: 17137629.2/98



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: -11.602+/-15.770 χ^2/NDF: 31.9/27

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

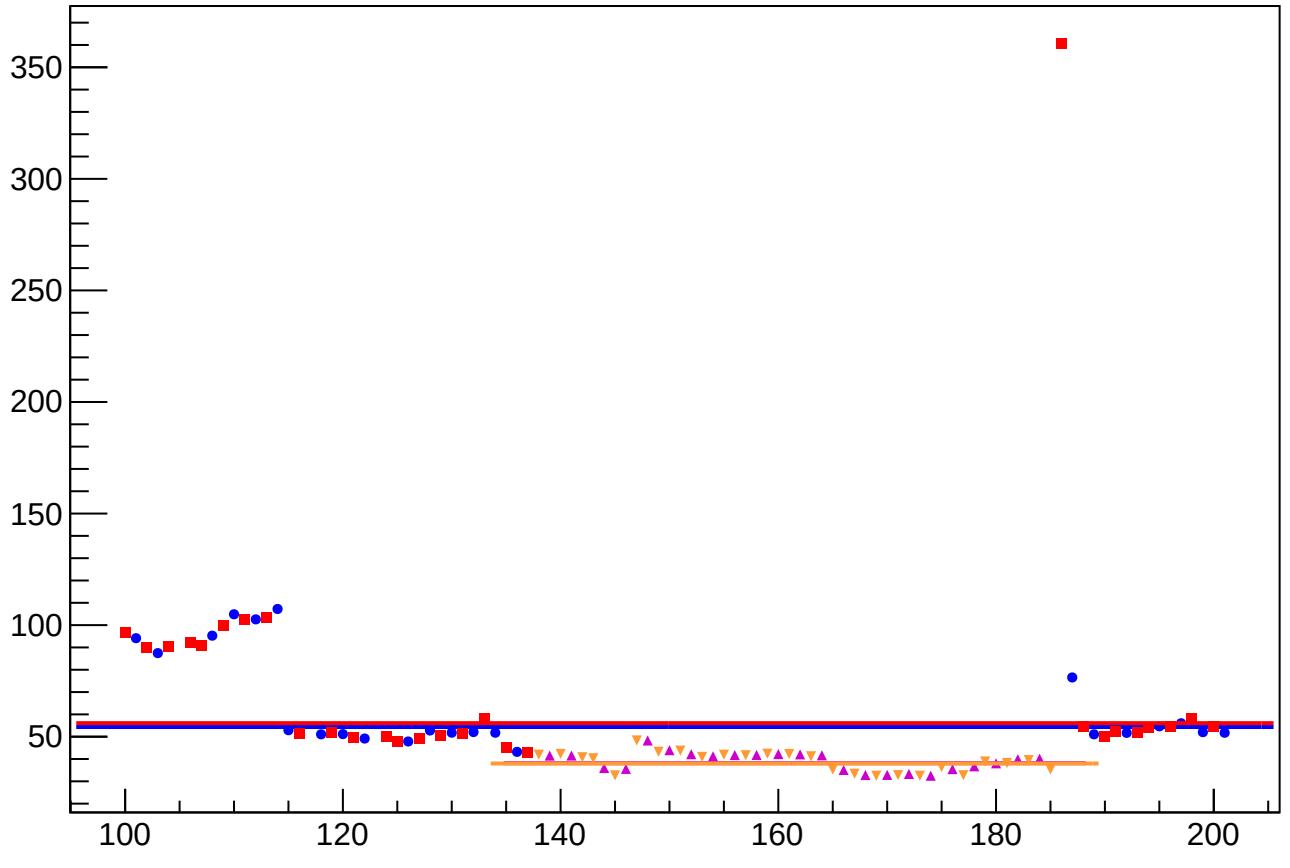
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -39.109+/-11.200 χ^2/NDF: 51.3/50

In: -10.292+/-7.817 χ^2/NDF:60.7/45

Out: 30.084+/-7.616 χ^2/NDF:75.8/52

All: 10.420+/-5.455 χ^2/NDF: 150.1/98



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: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

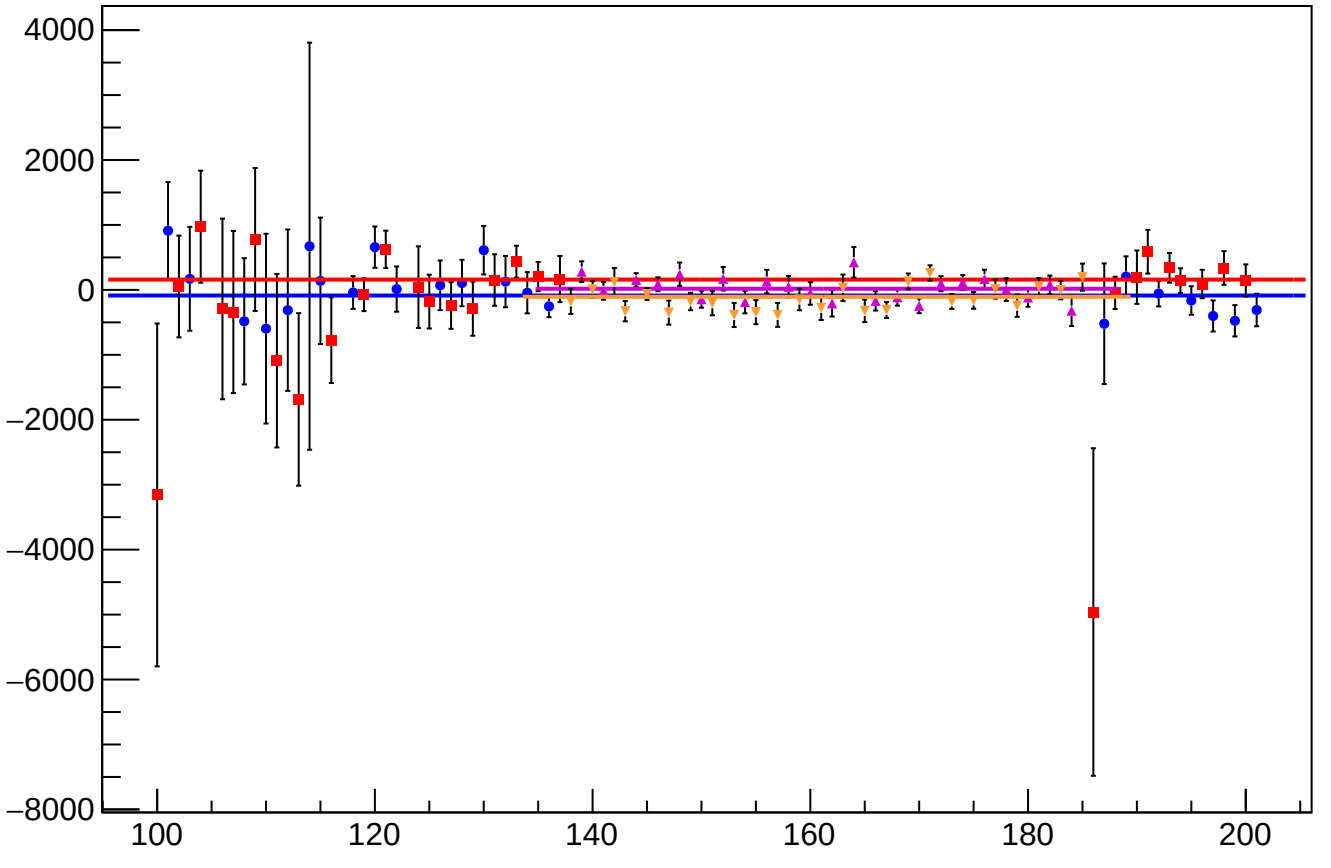
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.212+/-0.008 χ^2/NDF: 3110855.3/50

In: 42.044+/-0.006 χ^2/NDF:3207494.5/45

Out: 42.208+/-0.005 χ^2/NDF:4423169.5/52

All: 42.128+/-0.004 χ^2/NDF: 7631114.0/98



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: 158.497+/-64.648 χ^2/NDF: 23.4/27

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

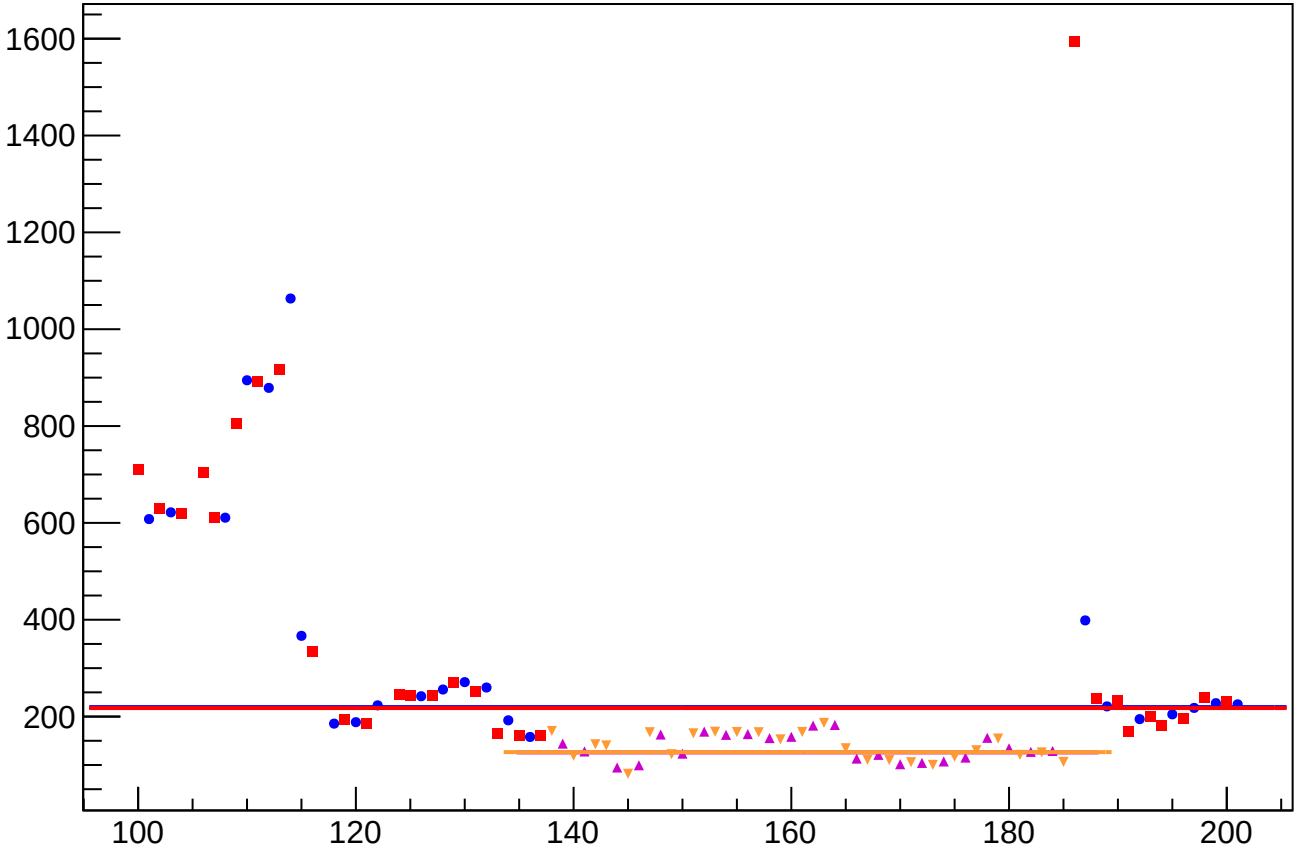
Right: 40.324+/-46.537 χ^2/NDF: 49.8/50

In: -0.060+/-27.524 χ^2/NDF:49.8/45

Out: -60.672+/-26.885 χ^2/NDF:74.9/52

All: -31.078+/-19.233 χ^2/NDF: 127.2/98

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: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

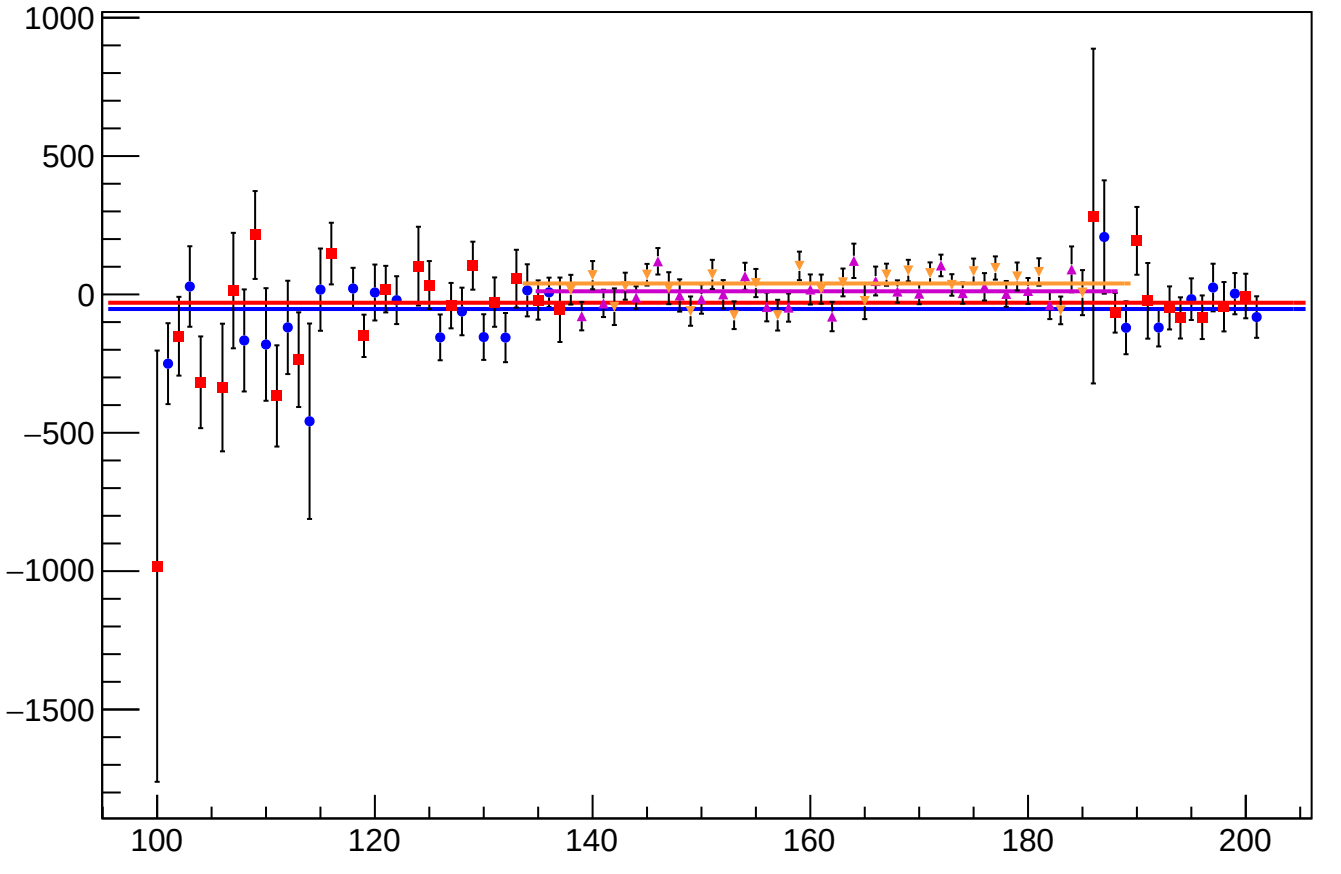
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

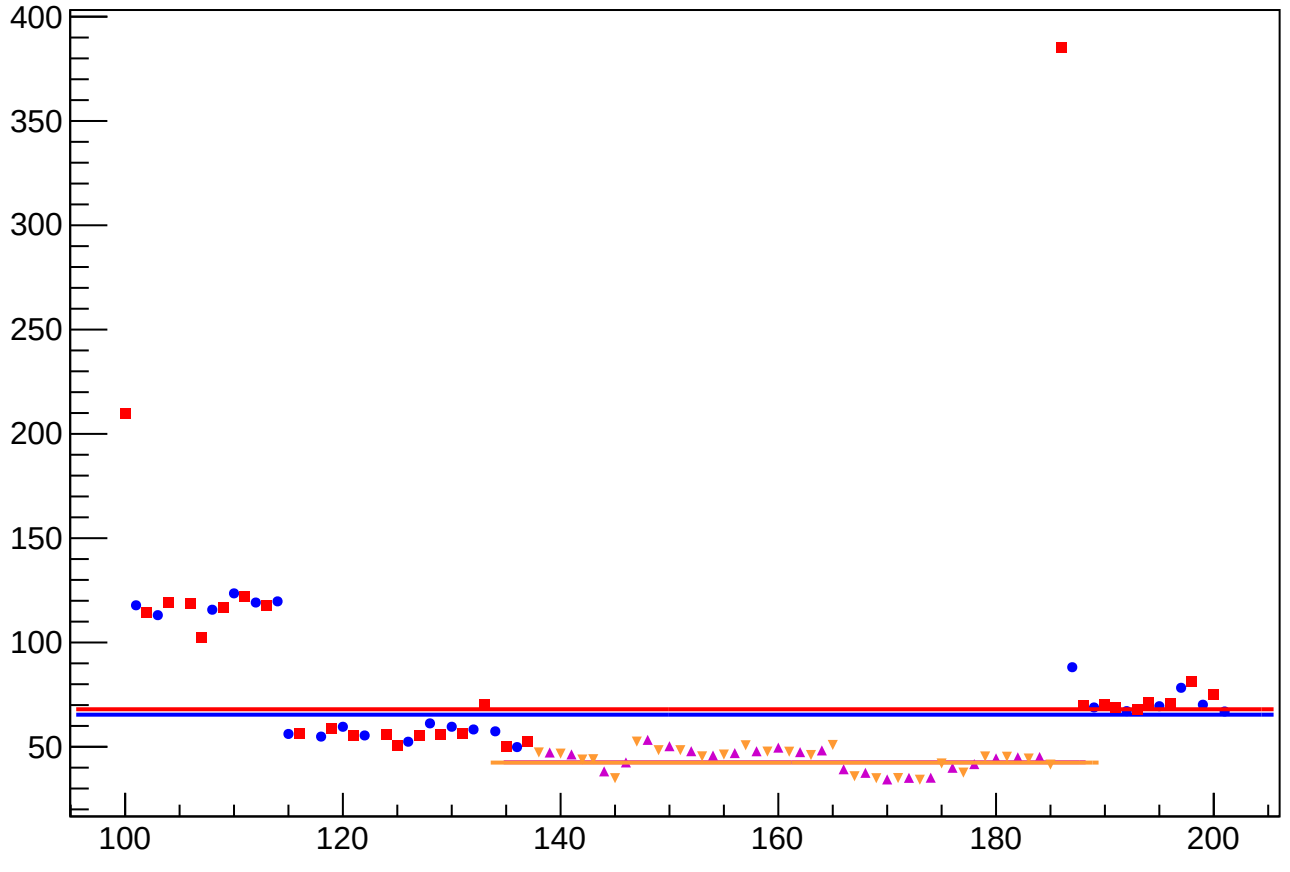
Right: 218.523+/-0.033 χ^2/NDF: 7454639.1/50

In: 141.775+/-0.019 χ^2/NDF:7737209.6/45

Out: 142.304+/-0.019 χ^2/NDF:9400042.1/52

All: 142.046+/-0.014 χ^2/NDF: 17137629.2/98


dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -52.764+/-19.300 χ²/NDF: 17.1/22
Left Out: 39.563+/-9.745 χ²/NDF:29.6/24
Right Out: -30.074+/-19.303 χ²/NDF: 29.2/27
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -41.420+/-13.648 χ²/NDF: 47.0/50
In: -2.419+/-8.933 χ²/NDF:53.7/45
Out: 25.419+/-8.699 χ²/NDF:69.2/52
All: 11.868+/-6.232 χ²/NDF: 127.8/98



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: 67.995+/-0.014 χ^2/NDF: 2244672.0/27

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

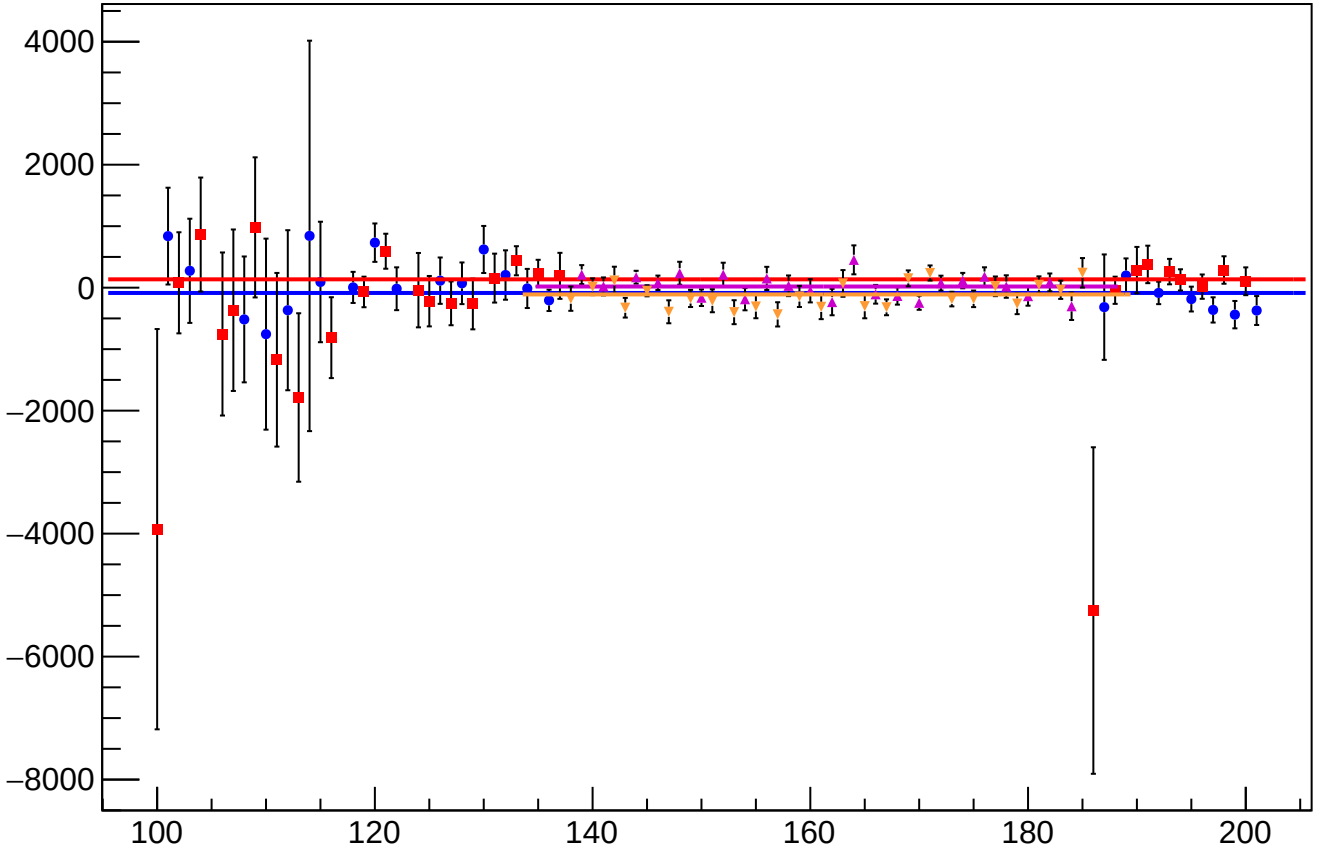
Right: 66.697+/-0.010 χ^2/NDF: 3727784.5/50

In: 47.467+/-0.006 χ^2/NDF:4251826.6/45

Out: 47.620+/-0.006 χ^2/NDF:5739953.4/52

All: 47.545+/-0.004 χ^2/NDF: 9992079.0/98

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: 135.614+/-60.627 χ^2/NDF: 23.1/27

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

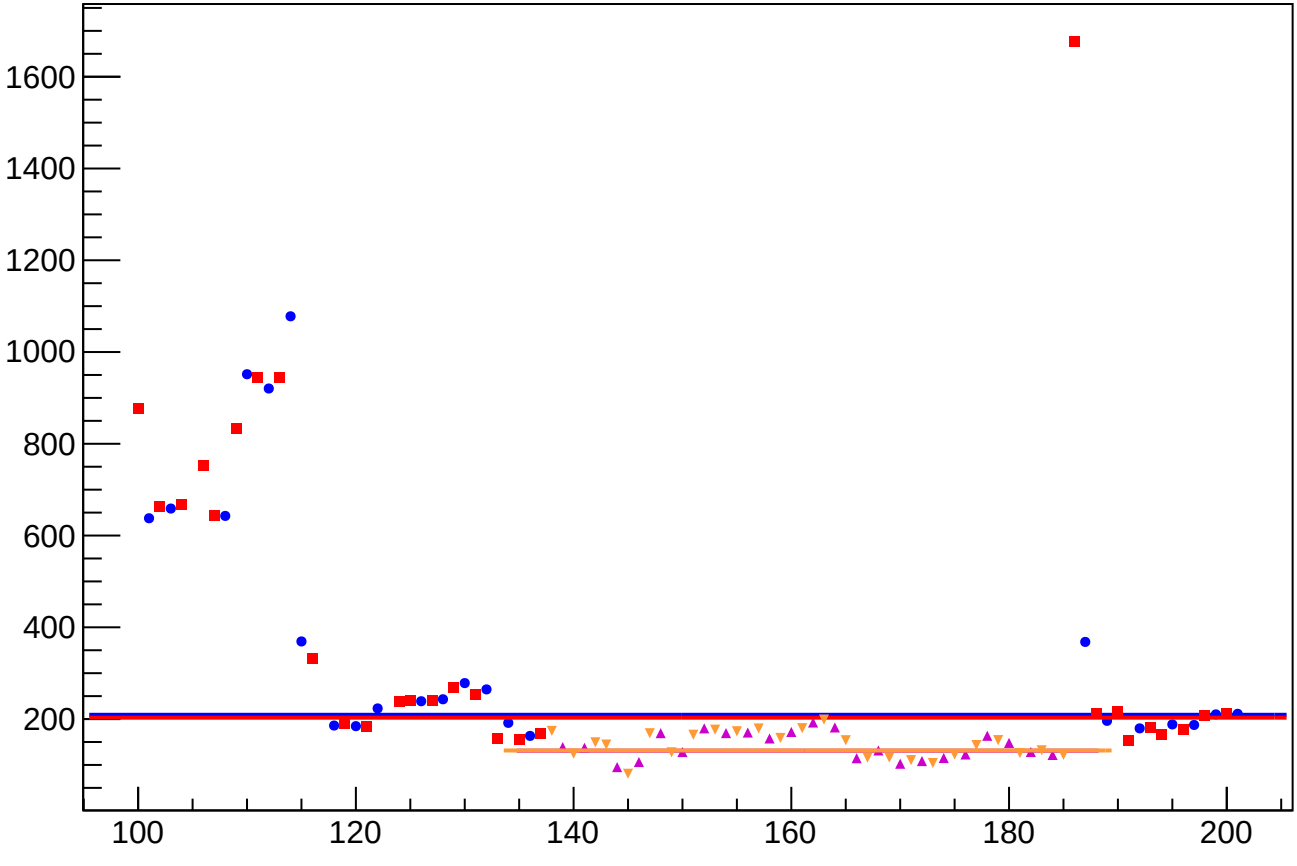
Right: 31.131+/-44.072 χ^2/NDF: 50.6/50

In: -1.481+/-28.261 χ^2/NDF:50.6/45

Out: -59.618+/-27.430 χ^2/NDF:72.4/52

All: -31.416+/-19.683 χ^2/NDF: 125.2/98

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: 203.036+/-0.043 χ^2/NDF: 4757796.5/27

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

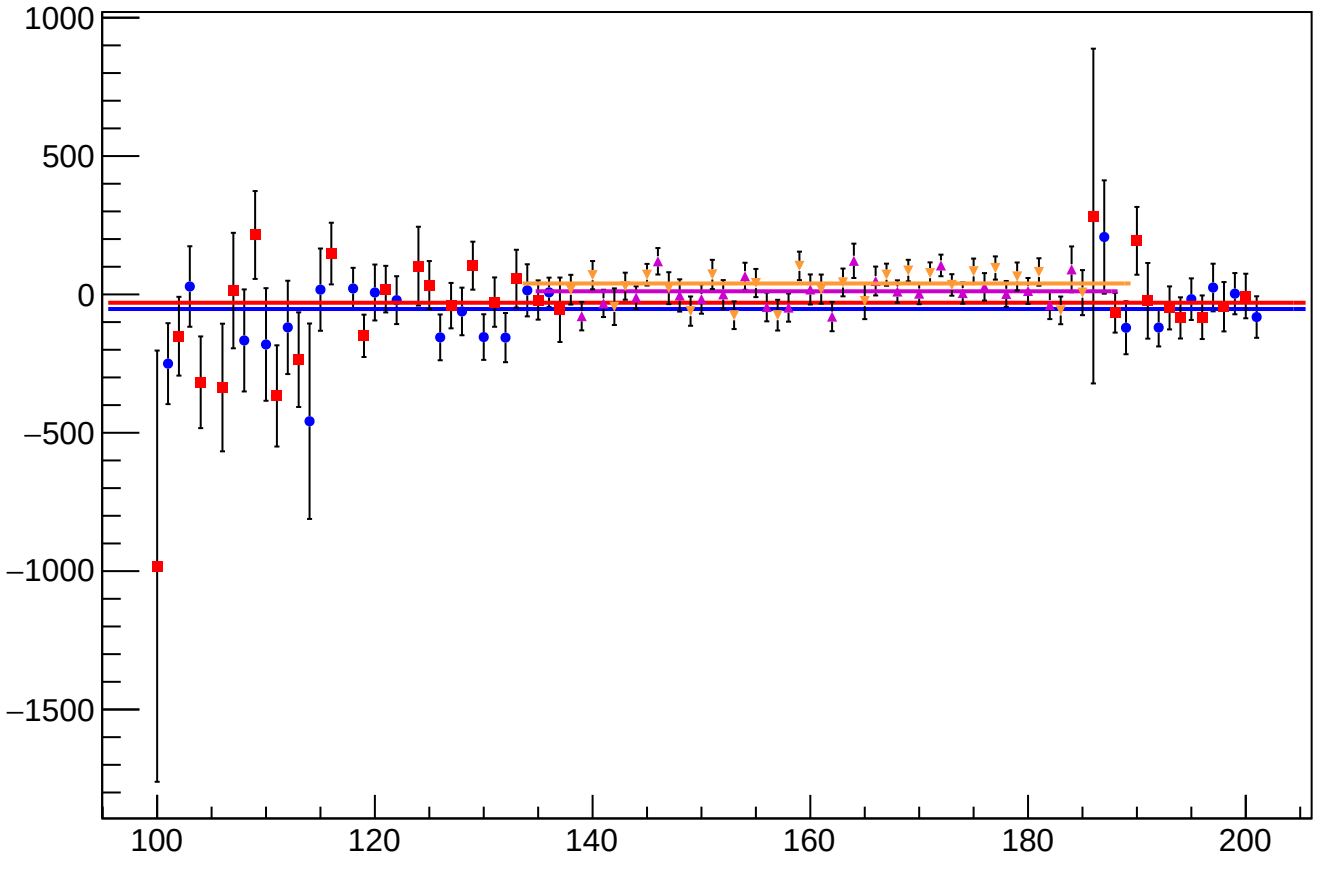
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

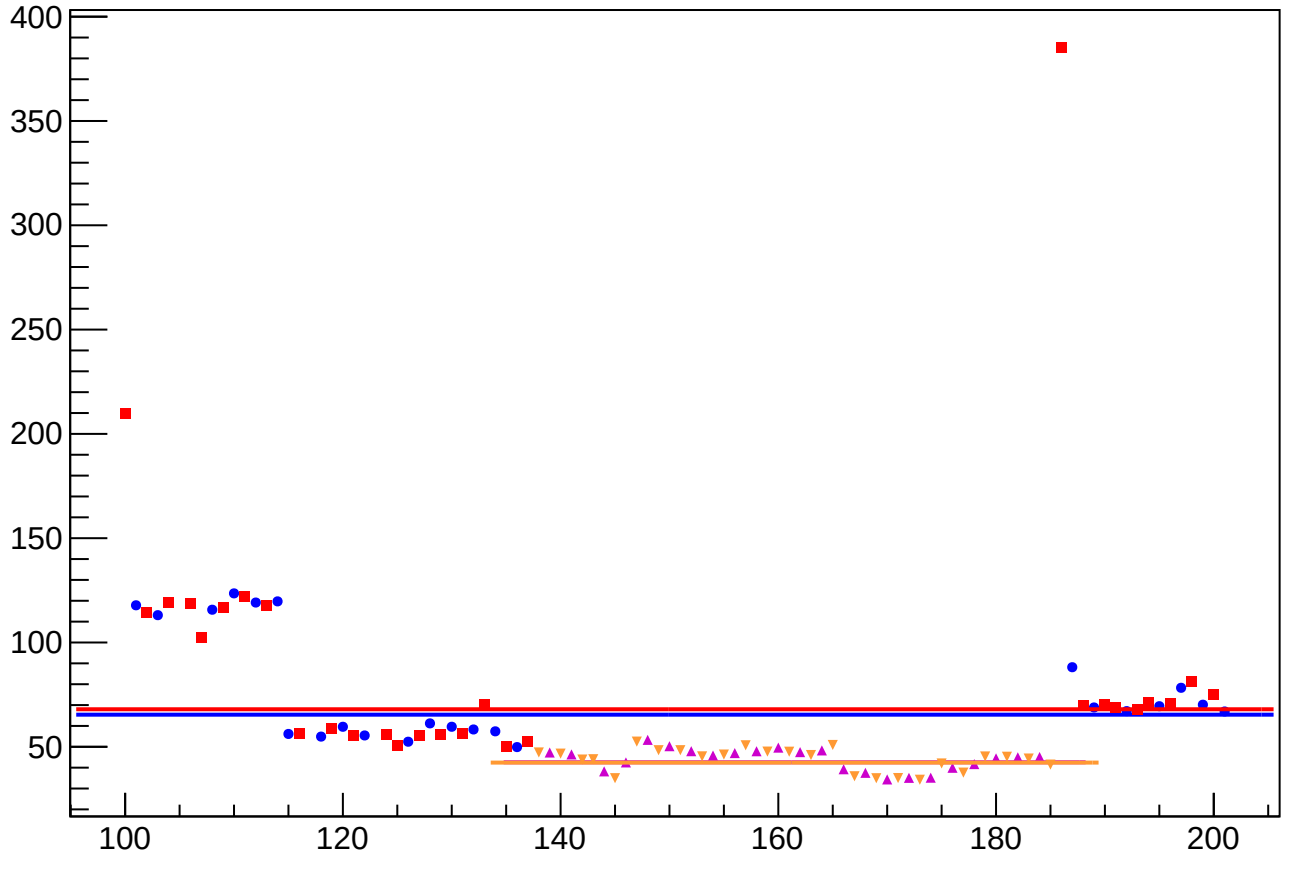
Right: 205.992+/-0.031 χ^2/NDF: 8024240.0/50

In: 146.242+/-0.020 χ^2/NDF:7119567.5/45

Out: 146.156+/-0.019 χ^2/NDF:8874290.0/52

All: 146.198+/-0.014 χ^2/NDF: 15993867.1/98


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -52.765+/-19.300 χ²/NDF: 17.1/22
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -30.075+/-19.303 χ²/NDF: 29.2/27
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -41.421+/-13.648 χ²/NDF: 47.0/50
In: -2.419+/-8.933 χ²/NDF:53.7/45
Out: 25.419+/-8.699 χ²/NDF:69.2/52
All: 11.869+/-6.232 χ²/NDF: 127.8/98



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: 67.995+/-0.014 χ^2/NDF: 2244673.0/27

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

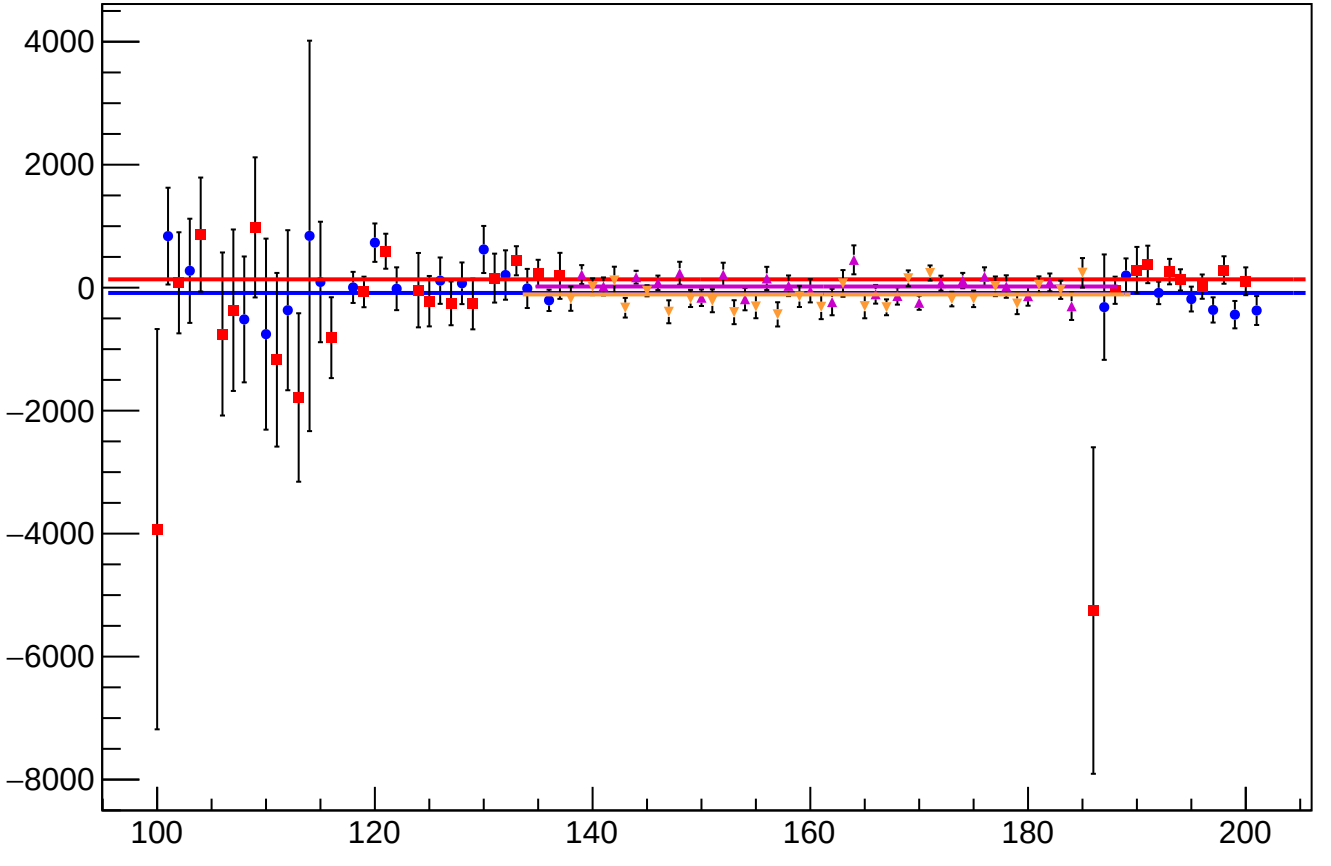
Right: 66.697+/-0.010 χ^2/NDF: 3727793.4/50

In: 47.467+/-0.006 χ^2/NDF:4251806.6/45

Out: 47.620+/-0.006 χ^2/NDF:5739986.7/52

All: 47.545+/-0.004 χ^2/NDF: 9992092.2/98

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: 135.613+/-60.627 χ^2/NDF: 23.1/27

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

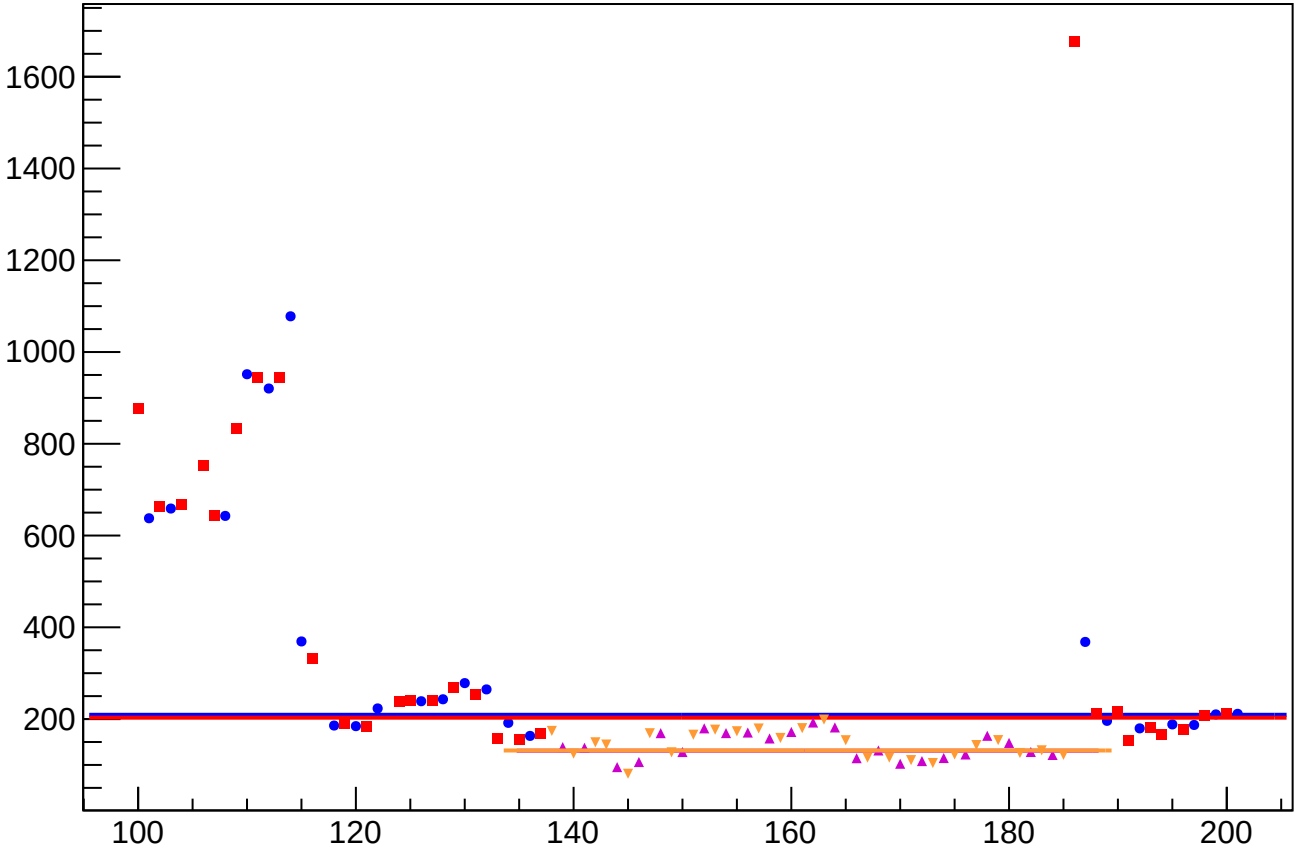
Right: 31.130+/-44.072 χ^2/NDF: 50.6/50

In: -1.481+/-28.261 χ^2/NDF:50.6/45

Out: -59.618+/-27.430 χ^2/NDF:72.4/52

All: -31.416+/-19.683 χ^2/NDF: 125.2/98

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: 203.035+/-0.043 χ^2/NDF: 4757796.0/27

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

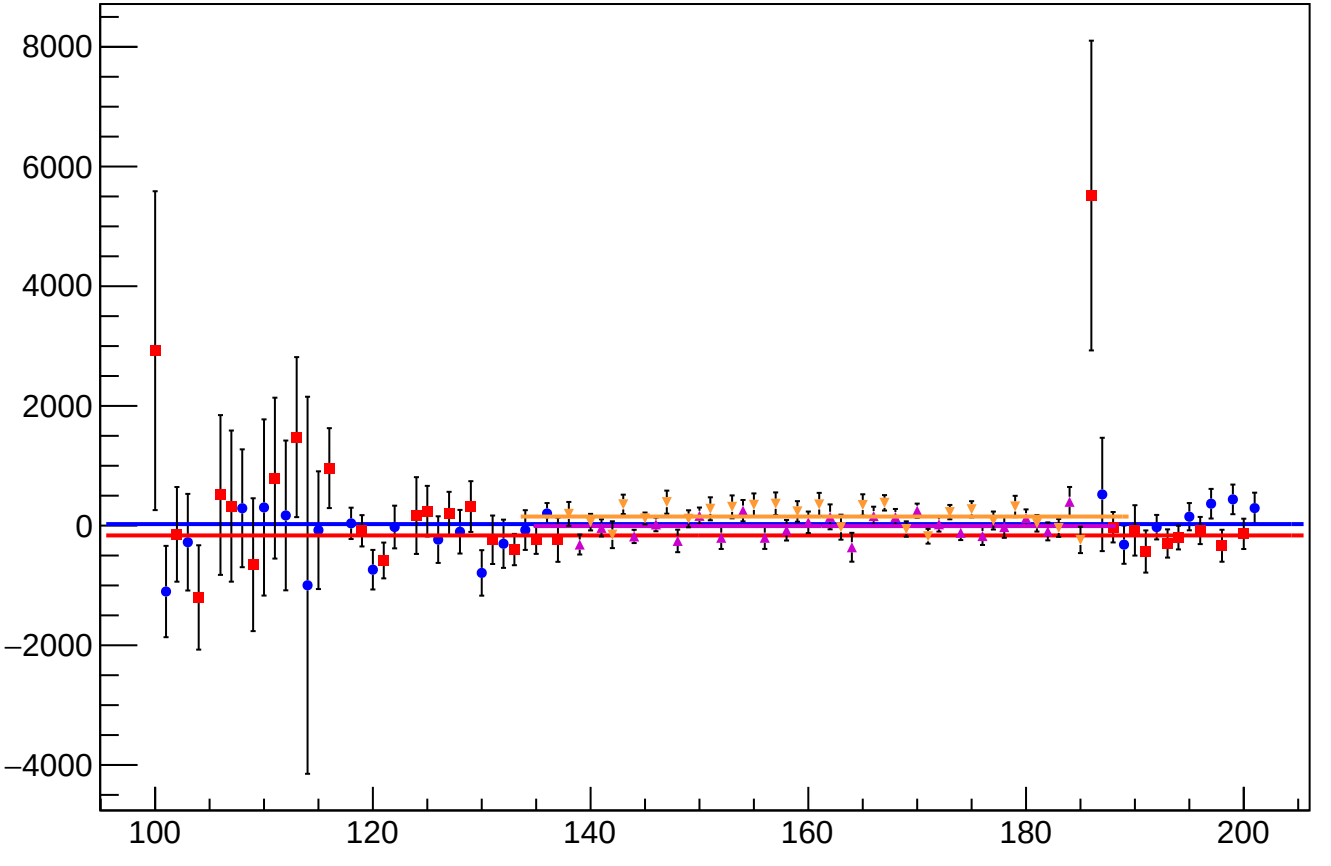
Right: 205.991+/-0.031 χ^2/NDF: 8024234.4/50

In: 146.243+/-0.020 χ^2/NDF:7119525.0/45

Out: 146.156+/-0.019 χ^2/NDF:8874243.7/52

All: 146.198+/-0.014 χ^2/NDF: 15993778.4/98

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: -164.236+/-66.901 χ^2/NDF: 21.4/27

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

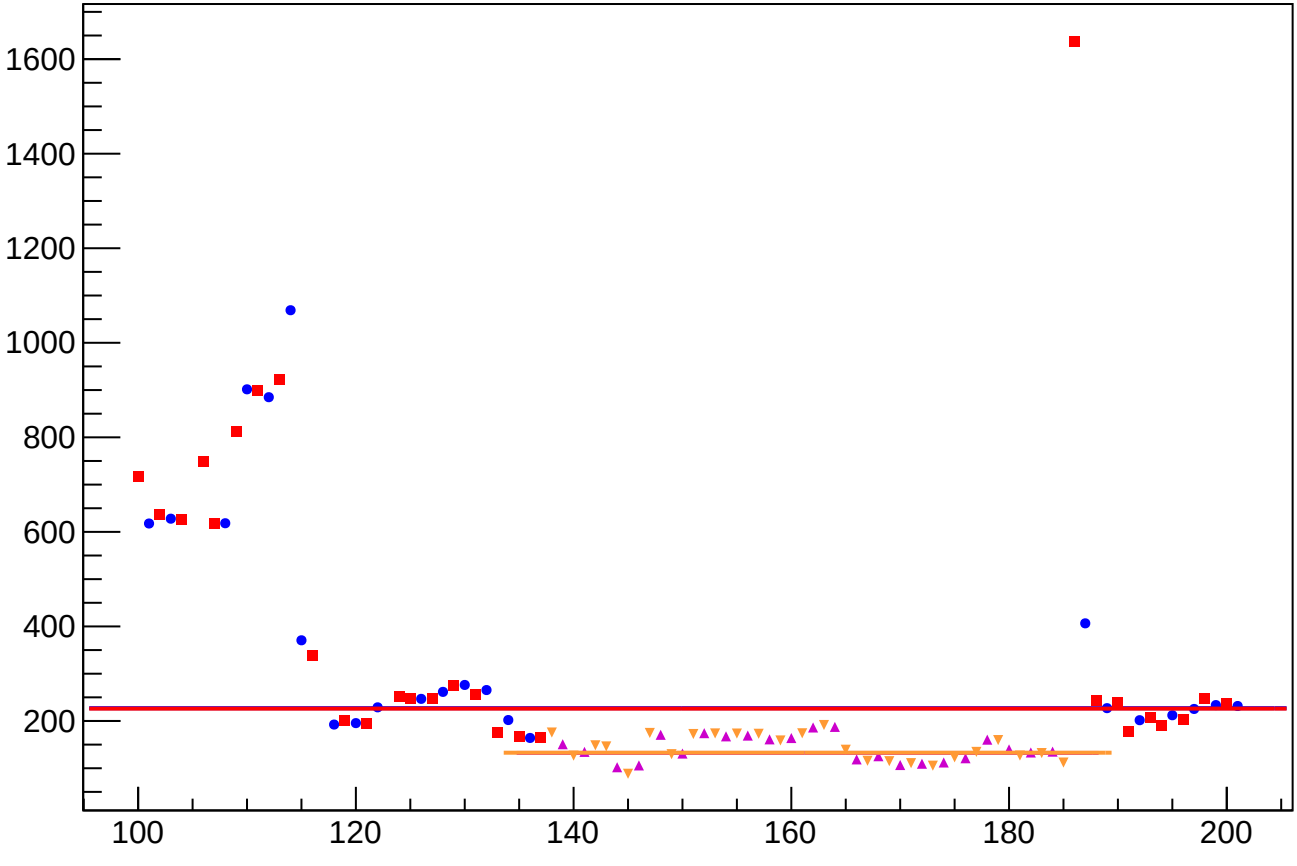
Right: -72.746+/-48.093 χ^2/NDF: 47.6/50

In: -2.232+/-28.760 χ^2/NDF:52.0/45

Out: 95.511+/-28.091 χ^2/NDF:72.7/52

All: 47.788+/-20.096 χ^2/NDF: 130.7/98

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: 226.152+/-0.047 χ^2/NDF: 4300714.2/27

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

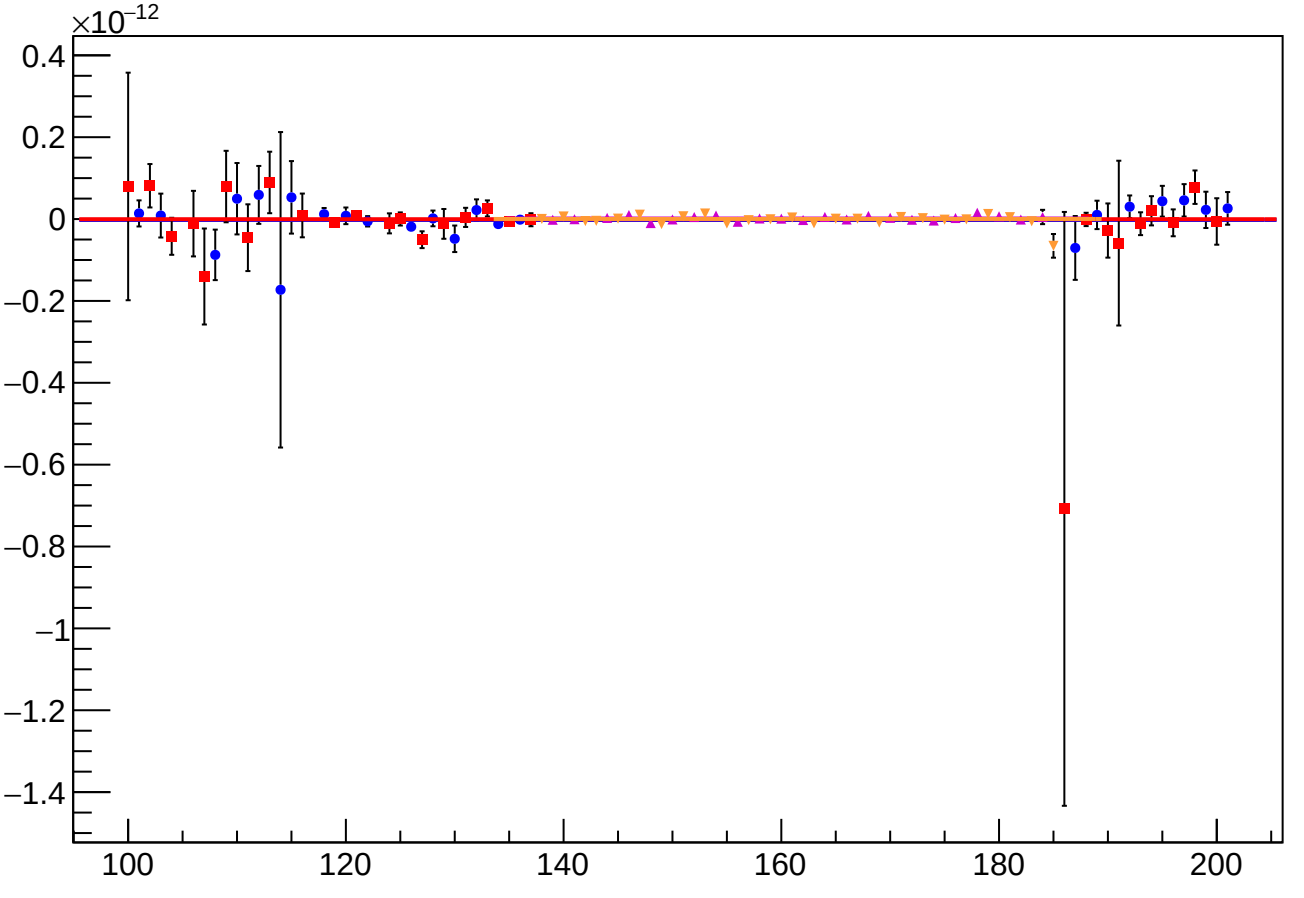
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 226.589+/-0.034 χ^2/NDF: 7305159.2/50

In: 148.709+/-0.020 χ^2/NDF:7382871.3/45

Out: 149.321+/-0.020 χ^2/NDF:9095387.5/52

All: 149.022+/-0.014 χ^2/NDF: 16478722.0/98



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: 23.5/27

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

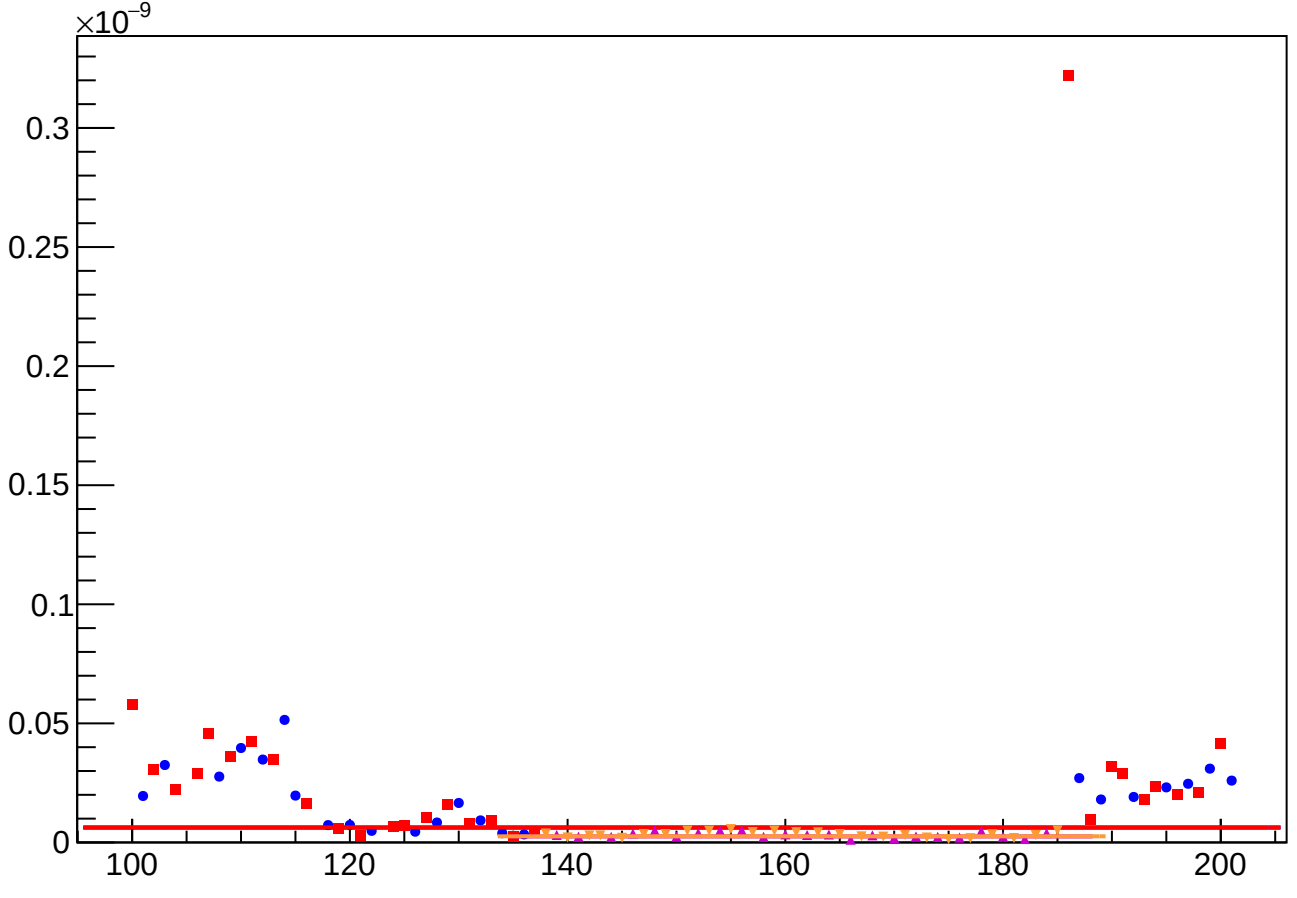
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.3/50

In: 0.000+/-0.000 χ^2/NDF:33.5/45

Out: 0.000+/-0.000 χ^2/NDF:55.8/52

All: 0.000+/-0.000 χ^2/NDF: 89.6/98



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: 6410797.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

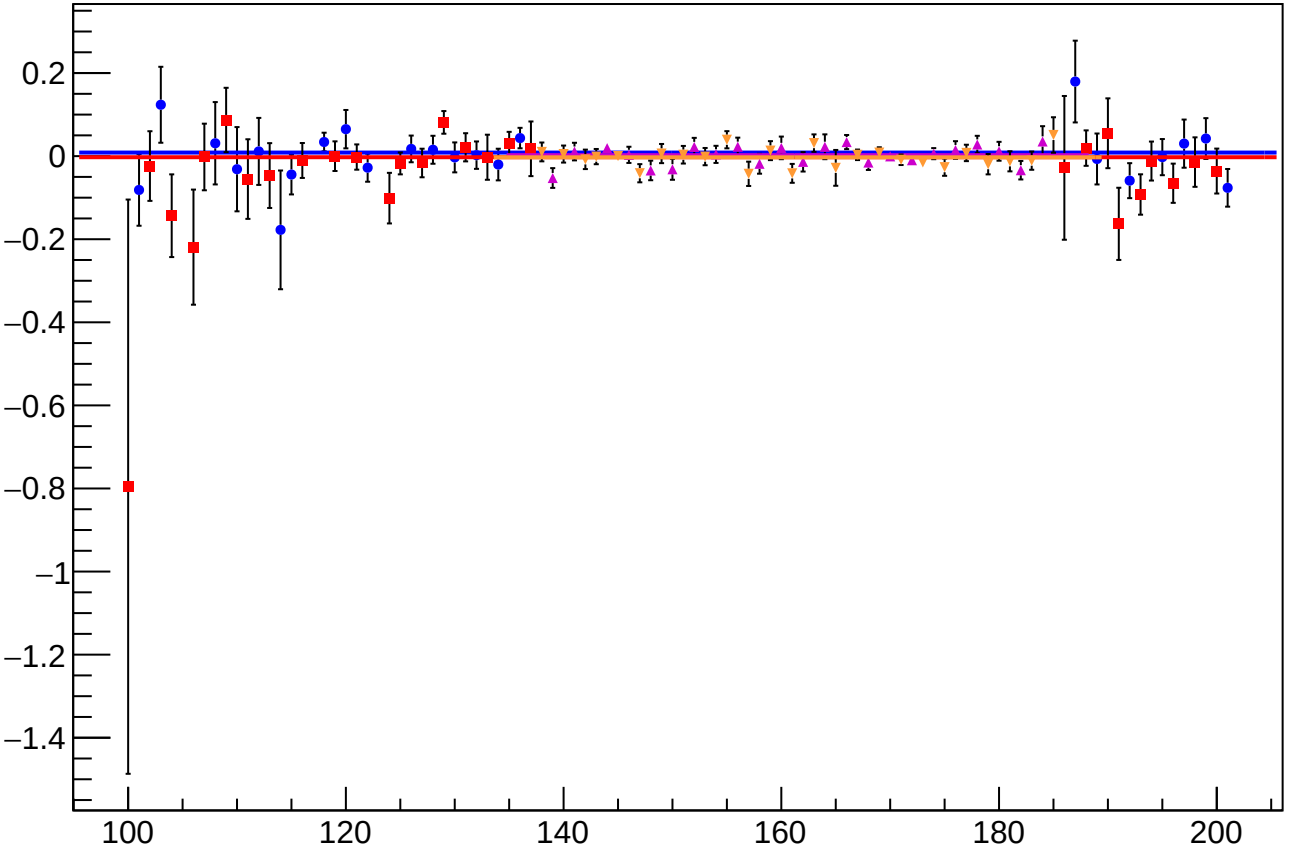
Right: 0.000+/-0.000 χ^2/NDF: 11962226.8/50

In: 0.000+/-0.000 χ^2/NDF:9064282.8/45

Out: 0.000+/-0.000 χ^2/NDF:10479505.2/52

All: 0.000+/-0.000 χ^2/NDF: 19544009.8/98

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: -0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

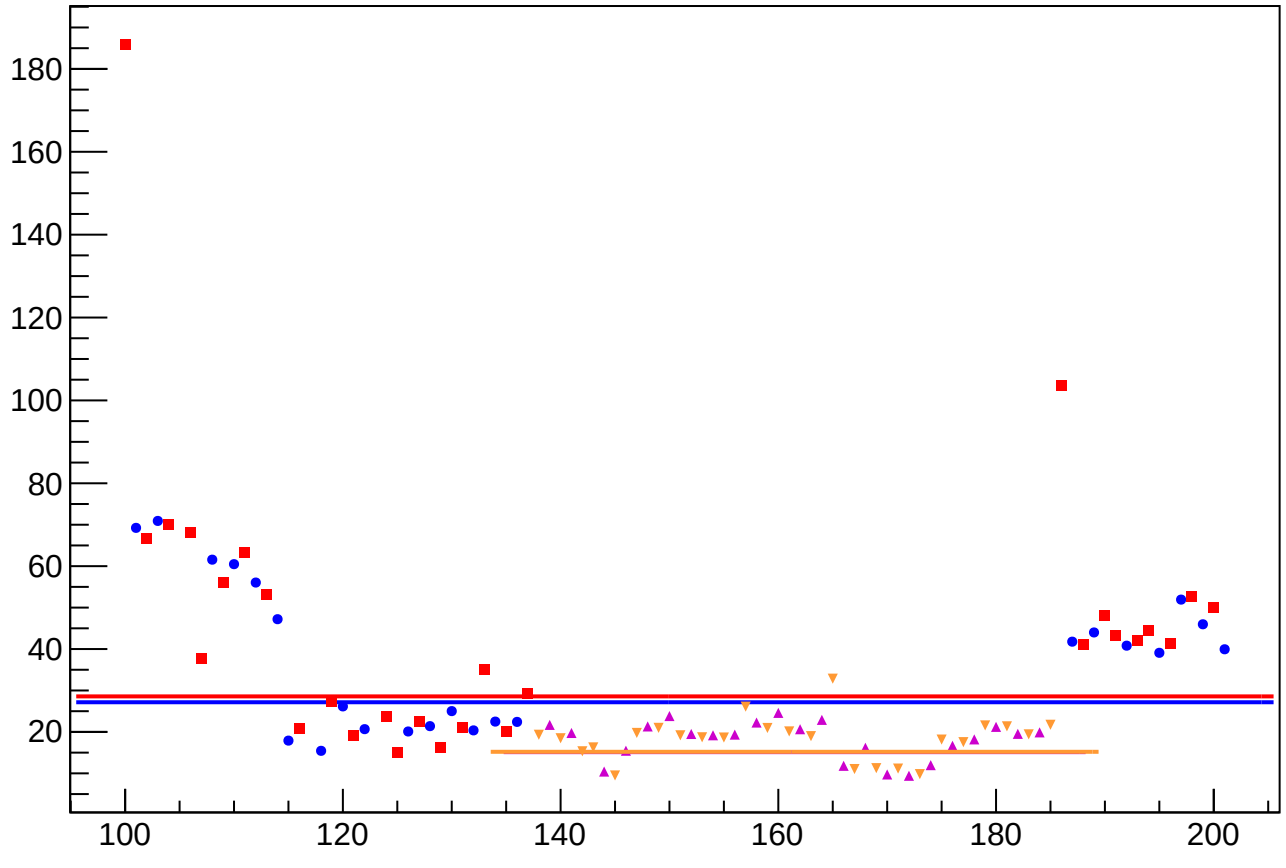
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 55.2/50

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 106.0/98



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: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

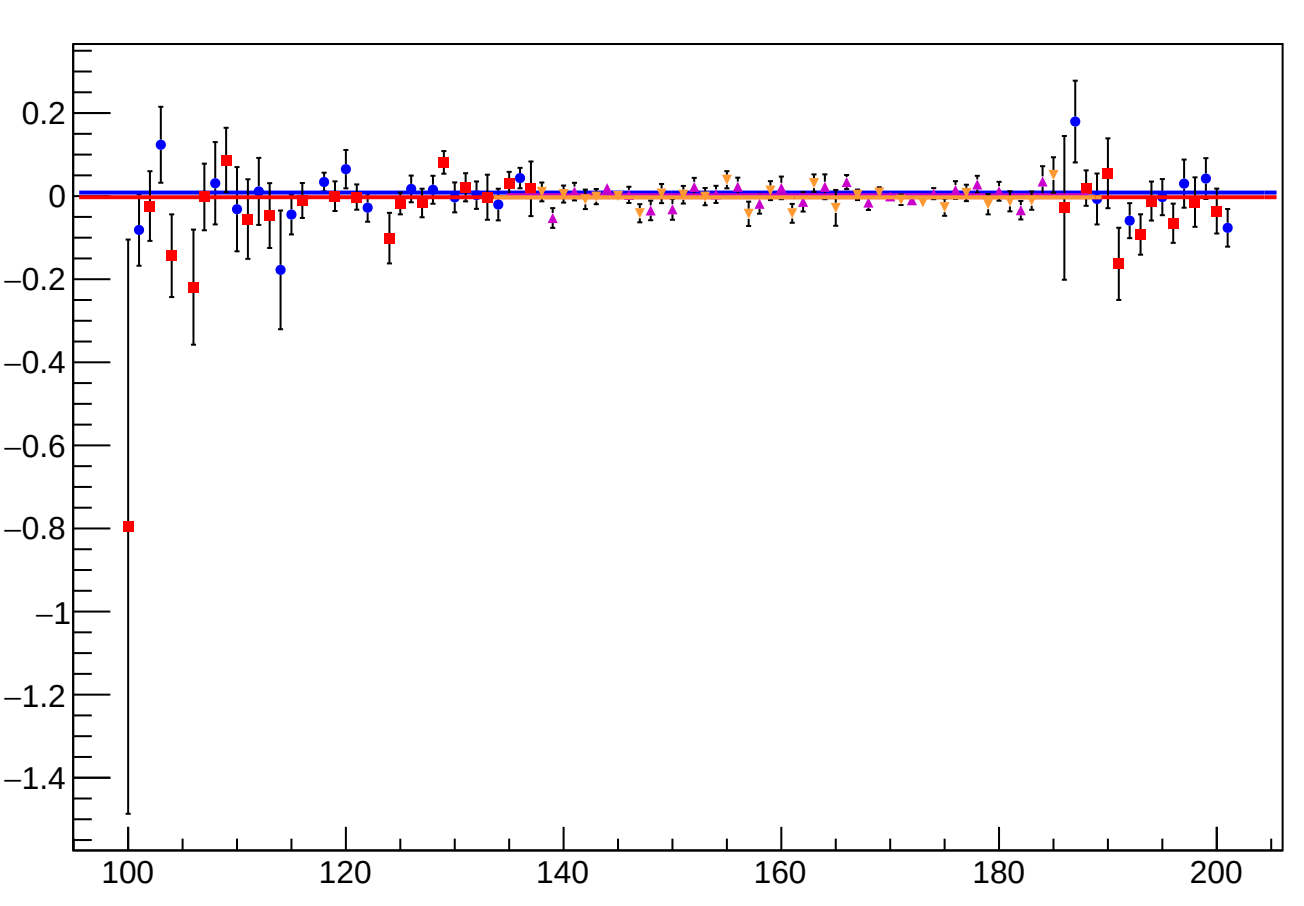
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.857+/-0.004 χ^2/NDF: 9366010.9/50

In: 17.038+/-0.002 χ^2/NDF:10677566.5/45

Out: 17.183+/-0.002 χ^2/NDF:12529861.7/52

All: 17.112+/-0.002 χ^2/NDF: 23209187.4/98



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: -0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

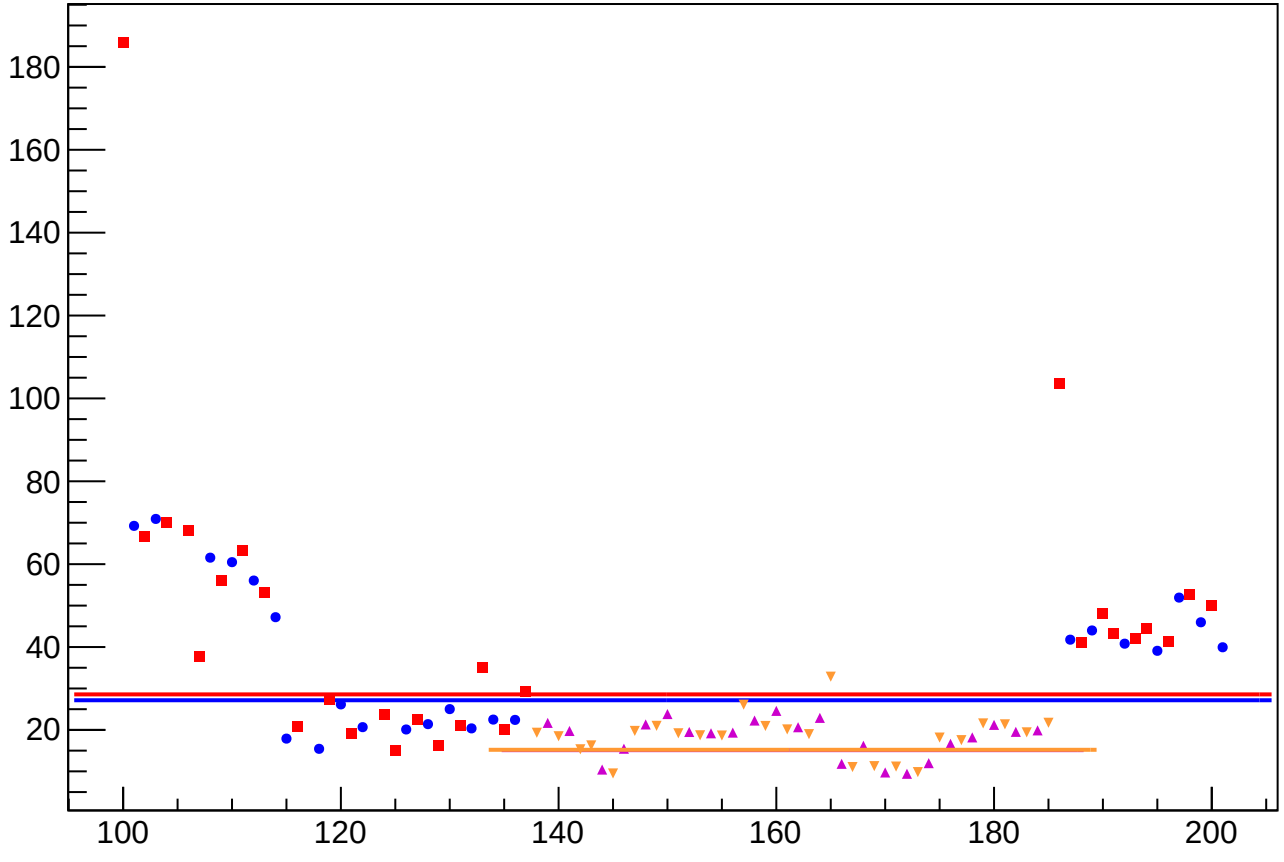
Right: 0.003+/-0.006 χ^2/NDF: 55.2/50

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 106.0/98

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: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

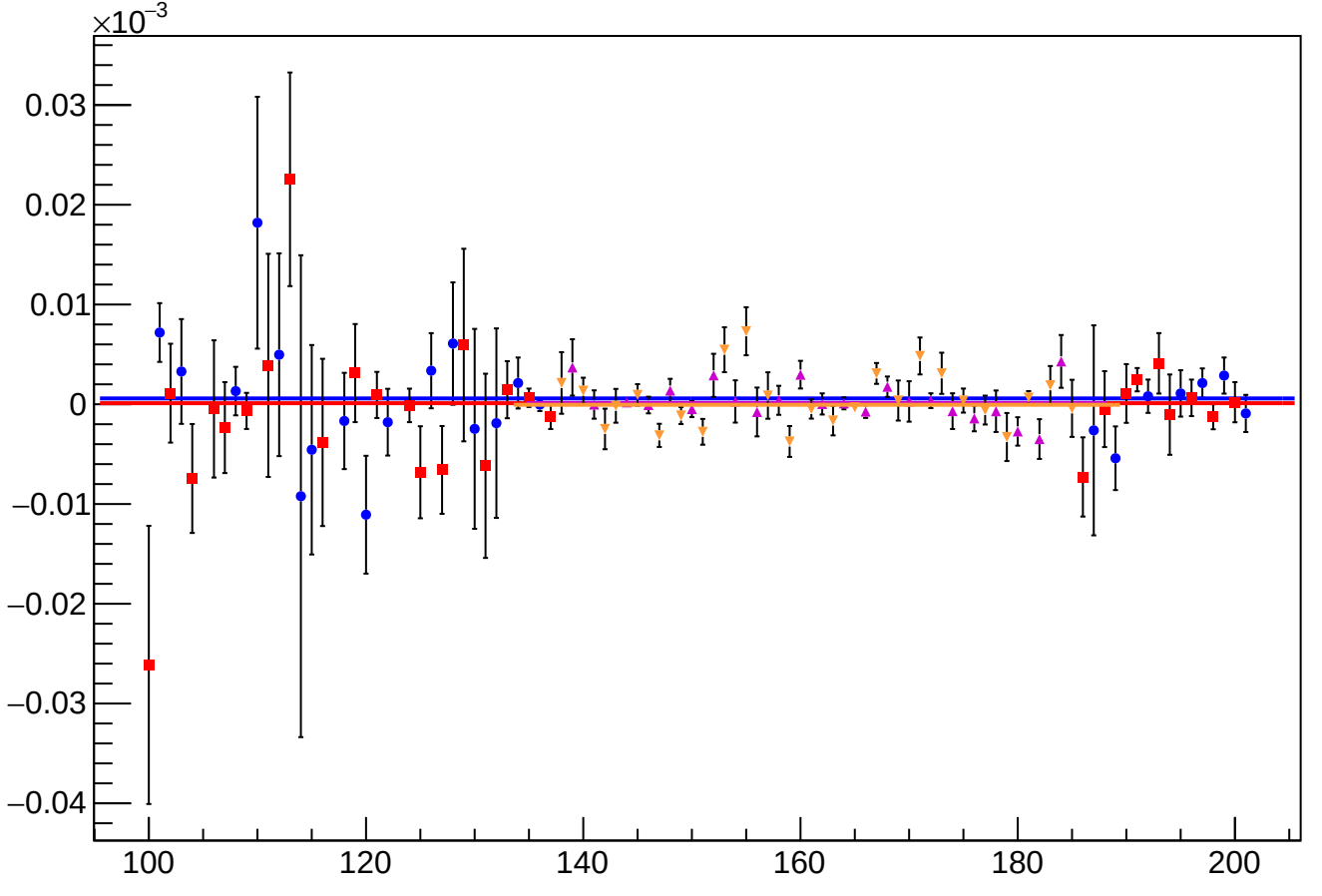
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.857+/-0.004 χ^2/NDF: 9366010.9/50

In: 17.038+/-0.002 χ^2/NDF:10677566.5/45

Out: 17.183+/-0.002 χ^2/NDF:12529861.7/52

All: 17.112+/-0.002 χ^2/NDF: 23209187.4/98



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: 29.0/27

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

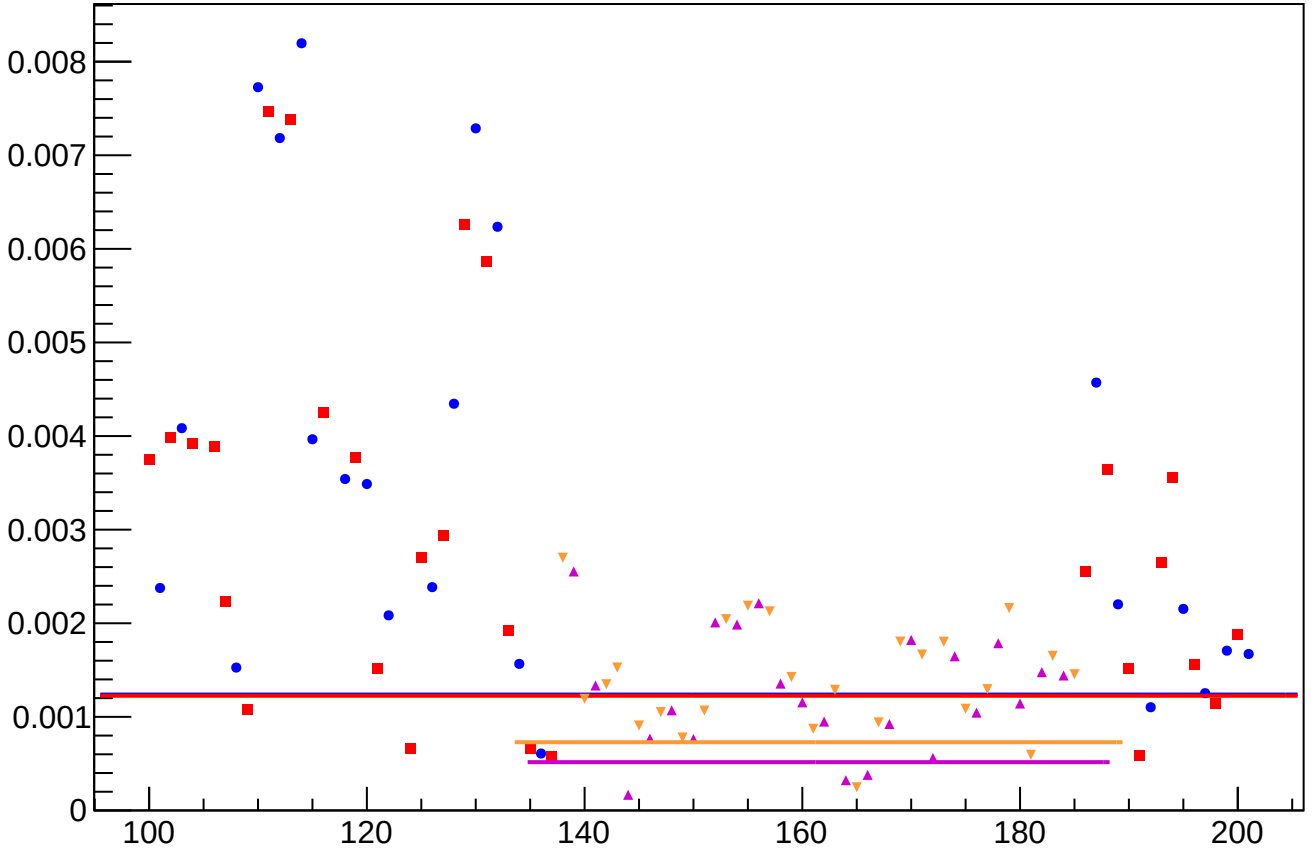
Right: 0.000+/-0.000 χ^2/NDF: 51.9/50

In: 0.000+/-0.000 χ^2/NDF:48.8/45

Out: -0.000+/-0.000 χ^2/NDF:91.9/52

All: 0.000+/-0.000 χ^2/NDF: 141.3/98

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 9907573.9/27

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

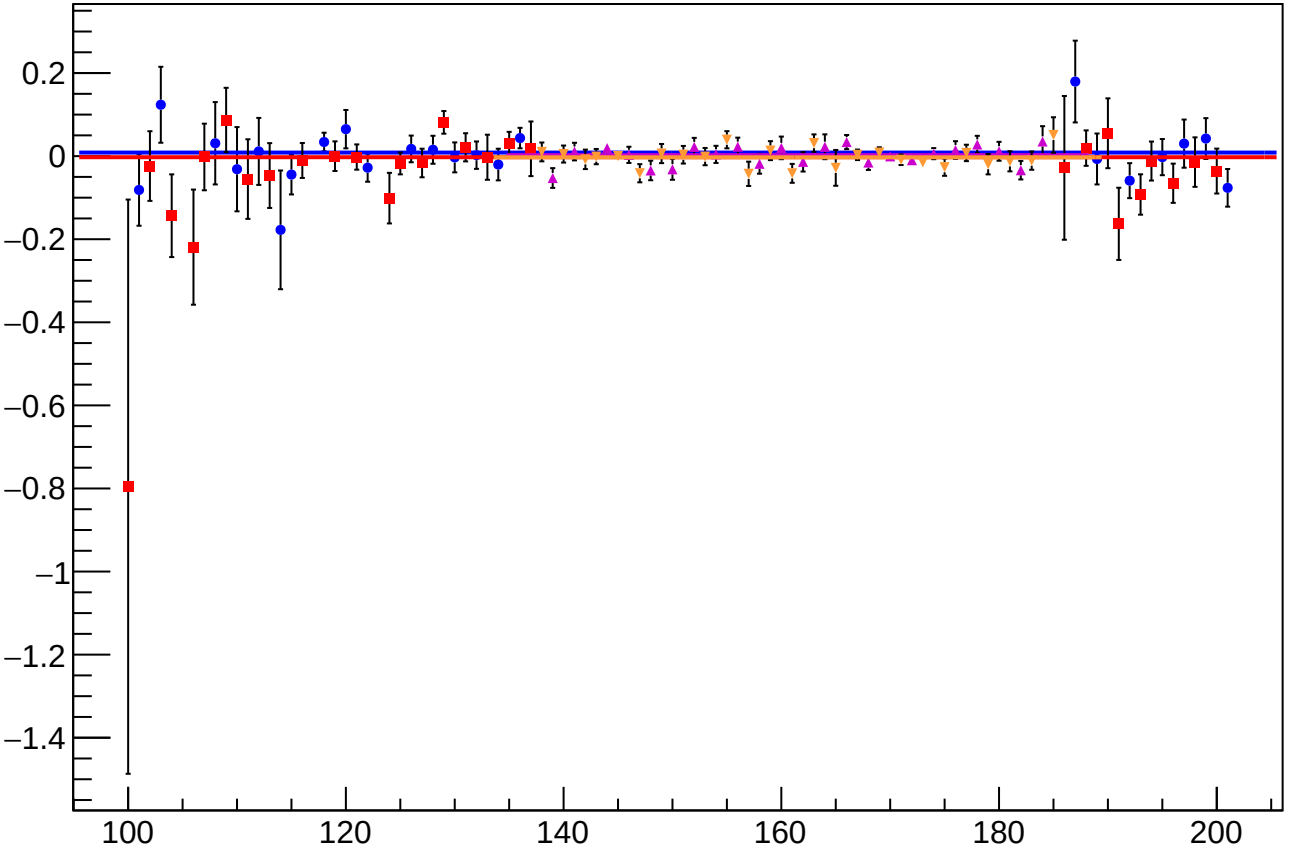
Right: 0.001+/-0.000 χ^2/NDF: 18074097.9/50

In: 0.001+/-0.000 χ^2/NDF:27617885.2/45

Out: 0.001+/-0.000 χ^2/NDF:25193304.9/52

All: 0.001+/-0.000 χ^2/NDF: 54286087.5/98

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: -0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

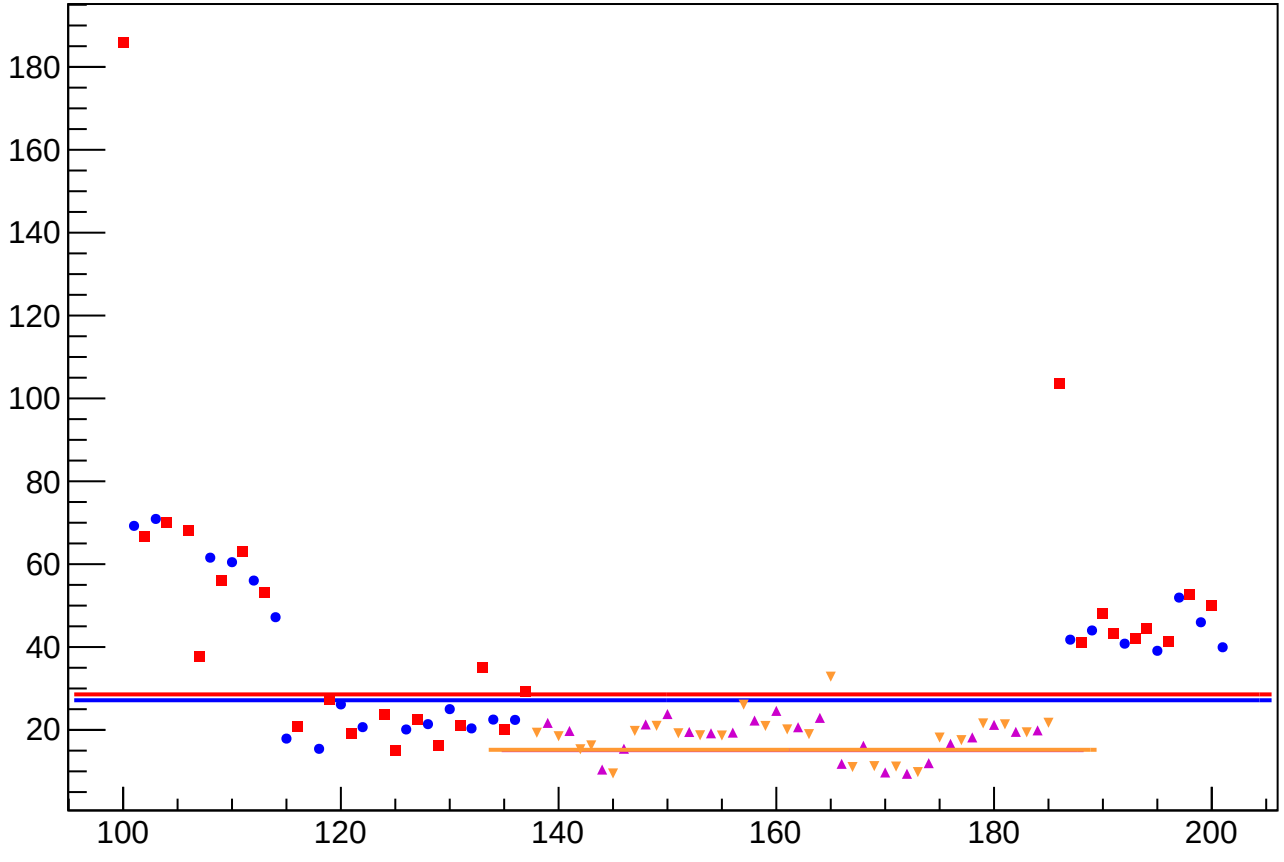
Right: 0.003+/-0.006 χ^2/NDF: 55.2/50

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 106.0/98

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: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

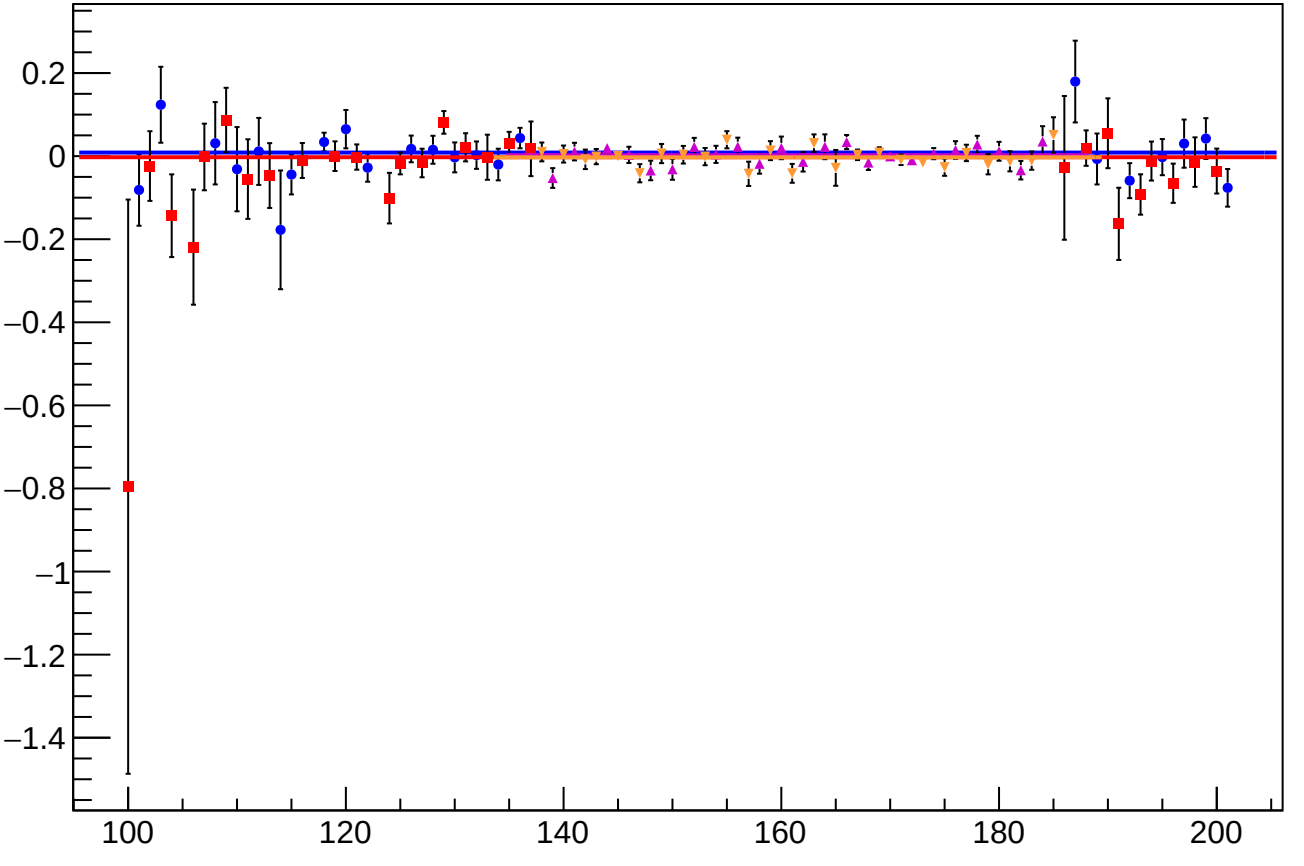
Right: 27.856+/-0.004 χ^2/NDF: 9366648.2/50

In: 17.038+/-0.002 χ^2/NDF:10677425.9/45

Out: 17.183+/-0.002 χ^2/NDF:12529926.3/52

All: 17.112+/-0.002 χ^2/NDF: 23209111.6/98

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: -0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

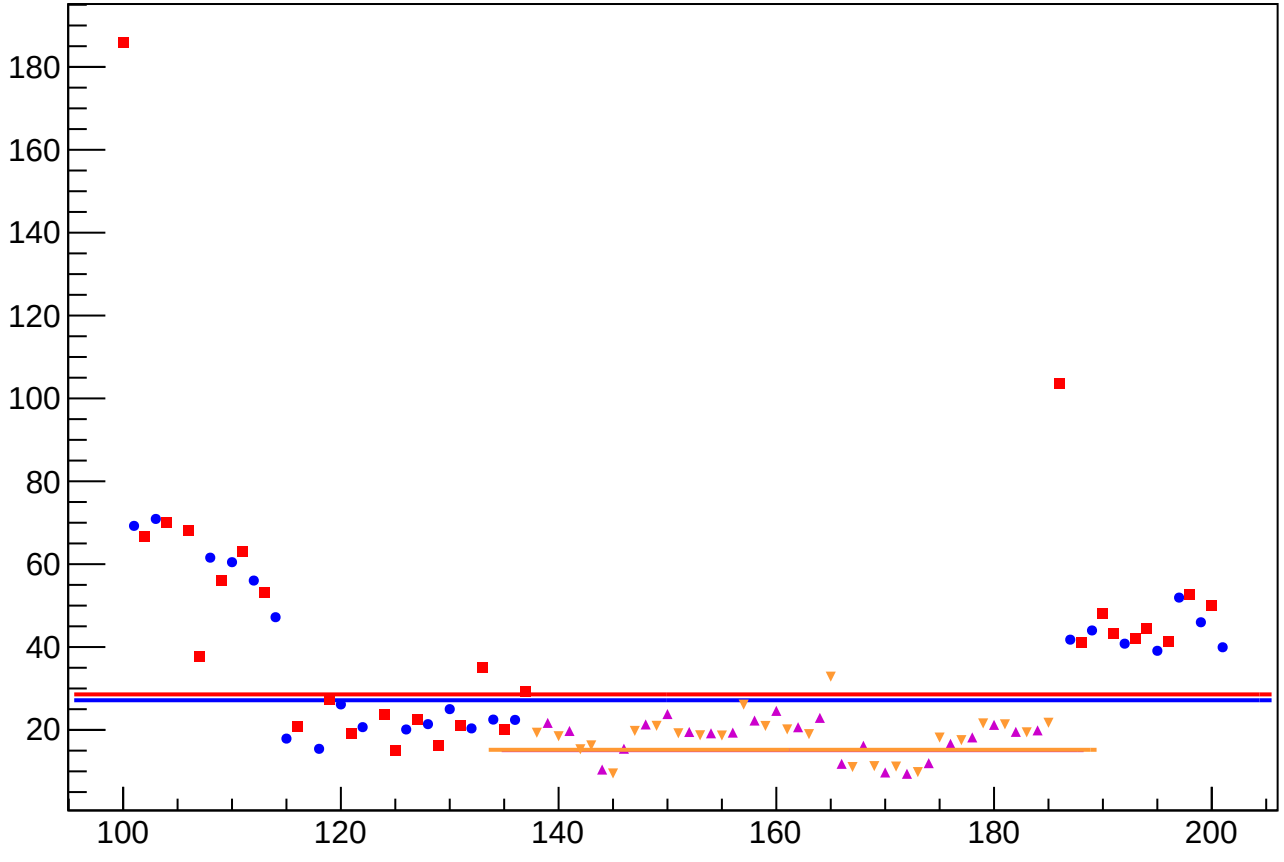
Right: 0.003+/-0.006 χ^2/NDF: 55.2/50

In: 0.003+/-0.004 χ^2/NDF:49.8/45

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 106.0/98

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: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

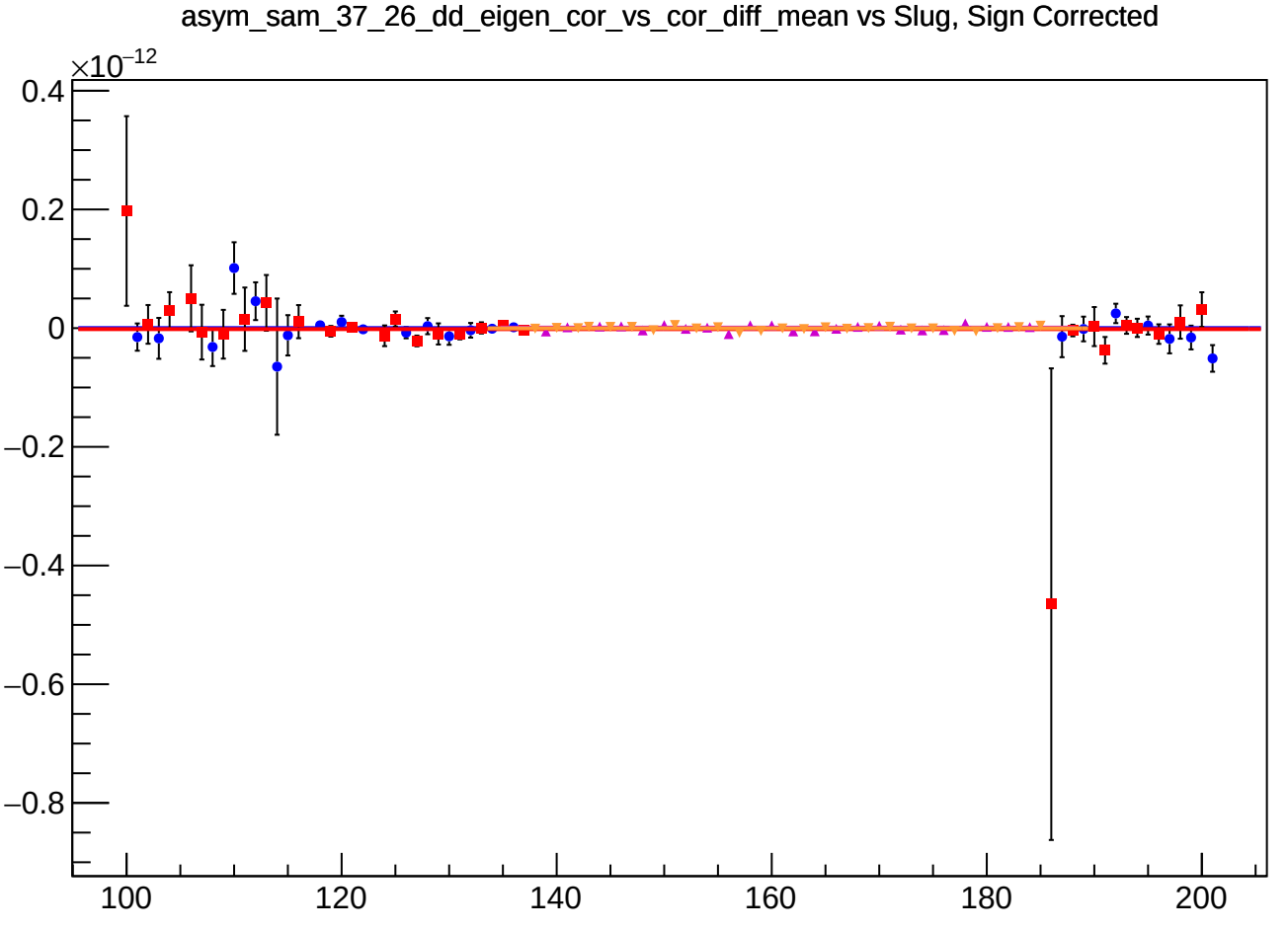
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.856+/-0.004 χ^2/NDF: 9366648.2/50

In: 17.038+/-0.002 χ^2/NDF:10677425.9/45

Out: 17.183+/-0.002 χ^2/NDF:12529926.3/52

All: 17.112+/-0.002 χ^2/NDF: 23209111.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

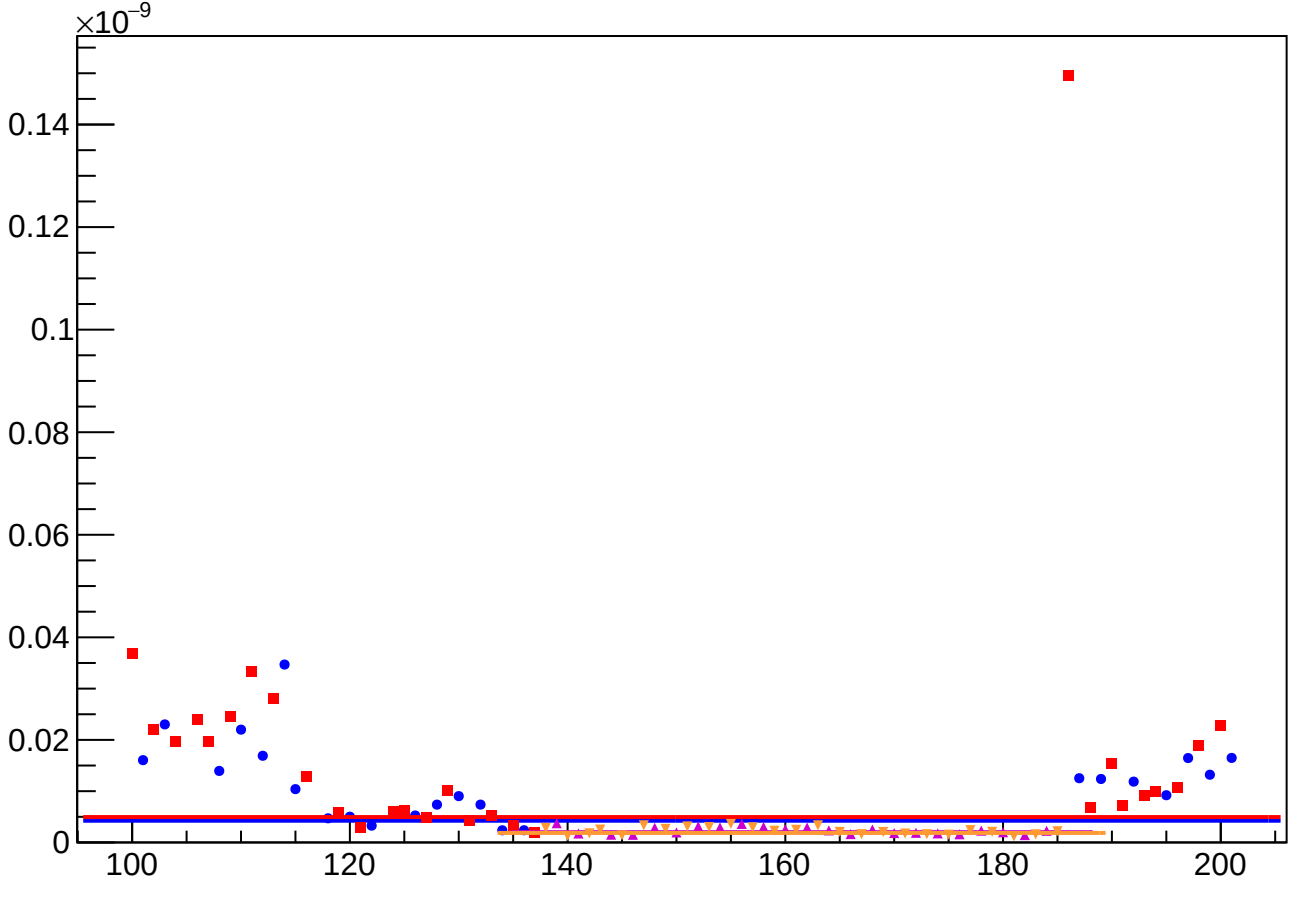
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 43.7/50

In: 0.000+/-0.000 χ^2/NDF:61.5/45

Out: -0.000+/-0.000 χ^2/NDF:43.3/52

All: 0.000+/-0.000 χ^2/NDF: 106.8/98



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: 7103645.2/27

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

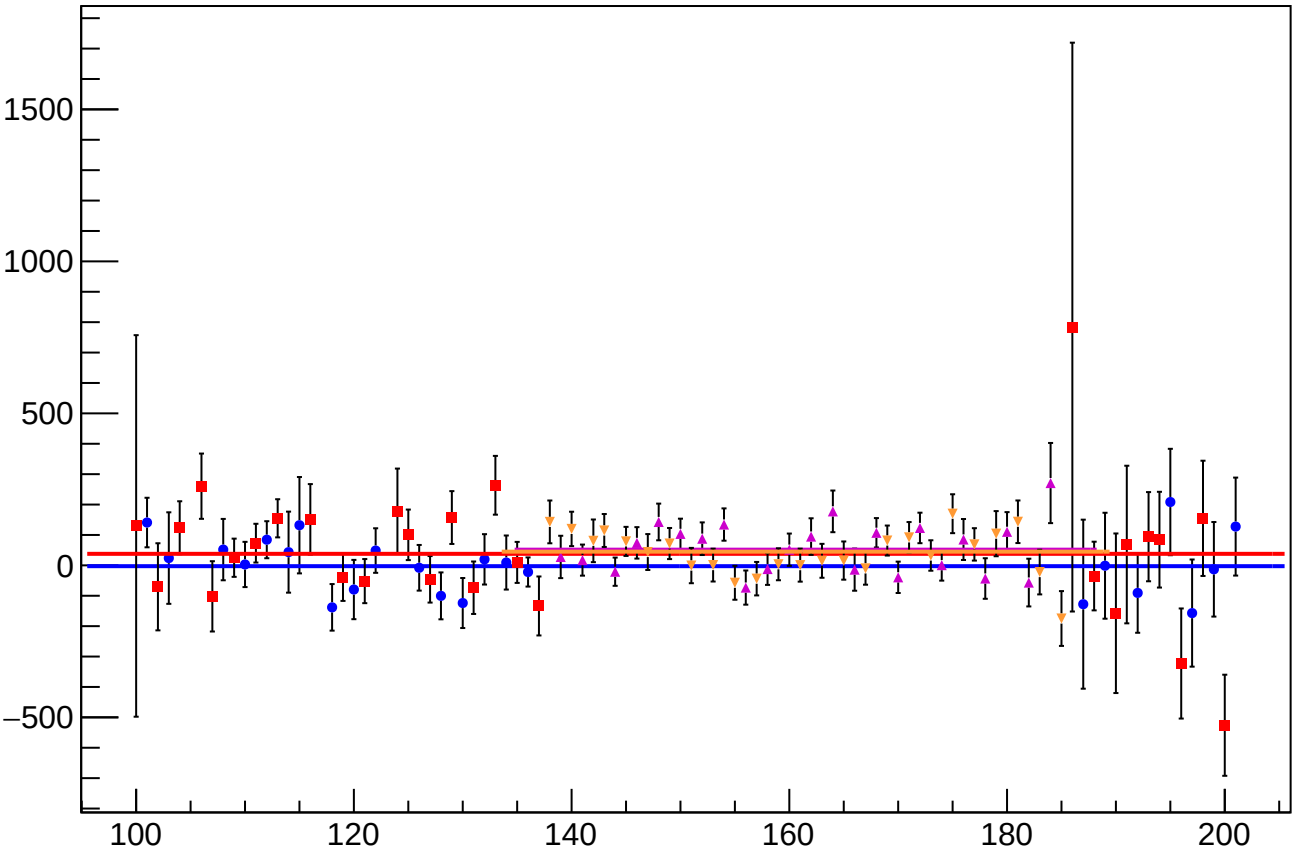
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13553375.4/50

In: 0.000+/-0.000 χ^2/NDF:10620931.4/45

Out: 0.000+/-0.000 χ^2/NDF:13514612.7/52

All: 0.000+/-0.000 χ^2/NDF: 24209955.2/98



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: 37.912+/-18.609 χ^2/NDF: 47.4/27

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

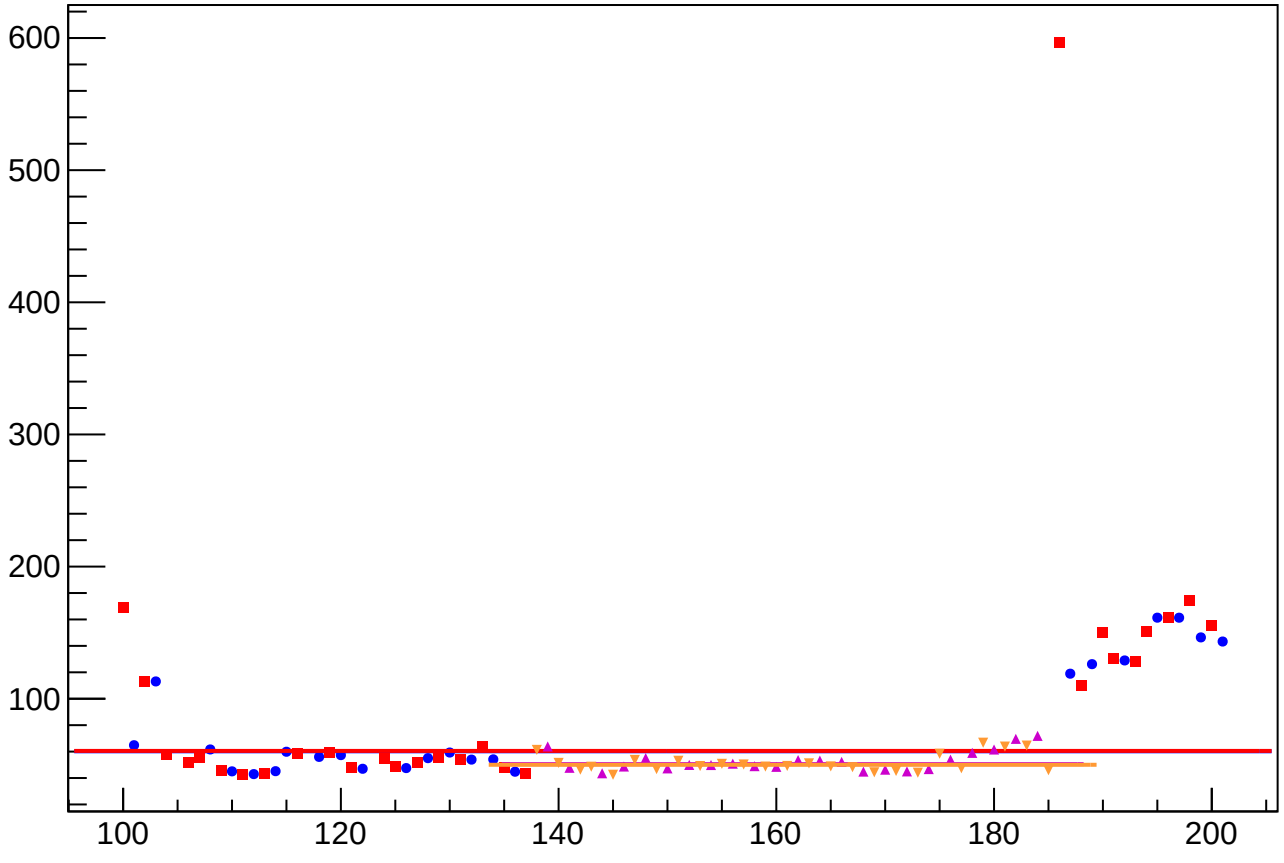
Right: 18.109+/-13.318 χ^2/NDF: 67.9/50

In: 36.343+/-10.113 χ^2/NDF:59.8/45

Out: 43.110+/-9.779 χ^2/NDF:78.9/52

All: 39.840+/-7.030 χ^2/NDF: 138.9/98

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: 60.511+/-0.013 χ^2/NDF: 5545222.1/27

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

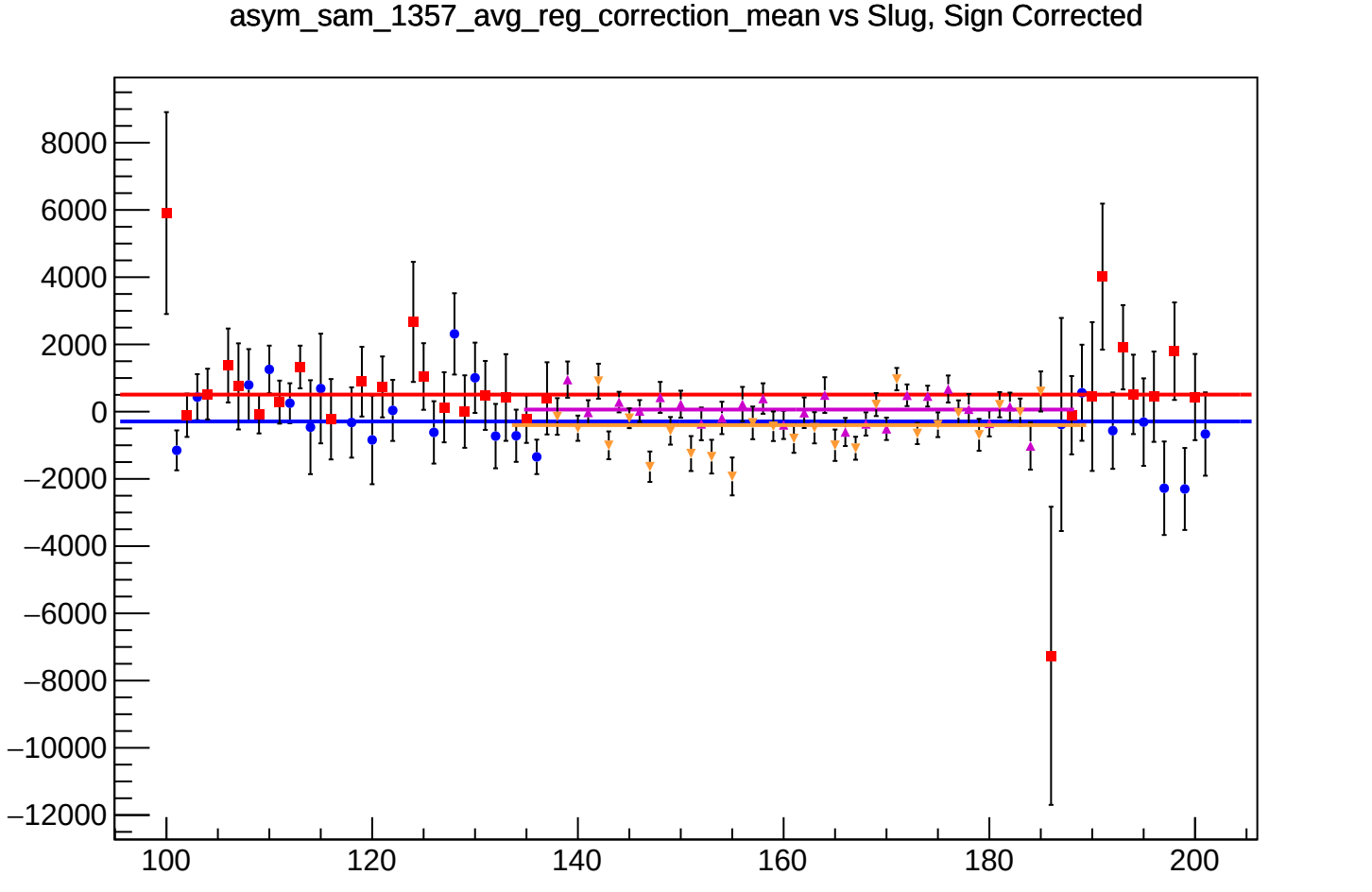
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 60.371+/-0.009 χ^2/NDF: 9833118.0/50

In: 53.243+/-0.007 χ^2/NDF:5163872.7/45

Out: 52.918+/-0.007 χ^2/NDF:6514346.5/52

All: 53.075+/-0.005 χ^2/NDF: 11679288.7/98



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: 507.421+/-188.166 χ^2/NDF: 19.4/27

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

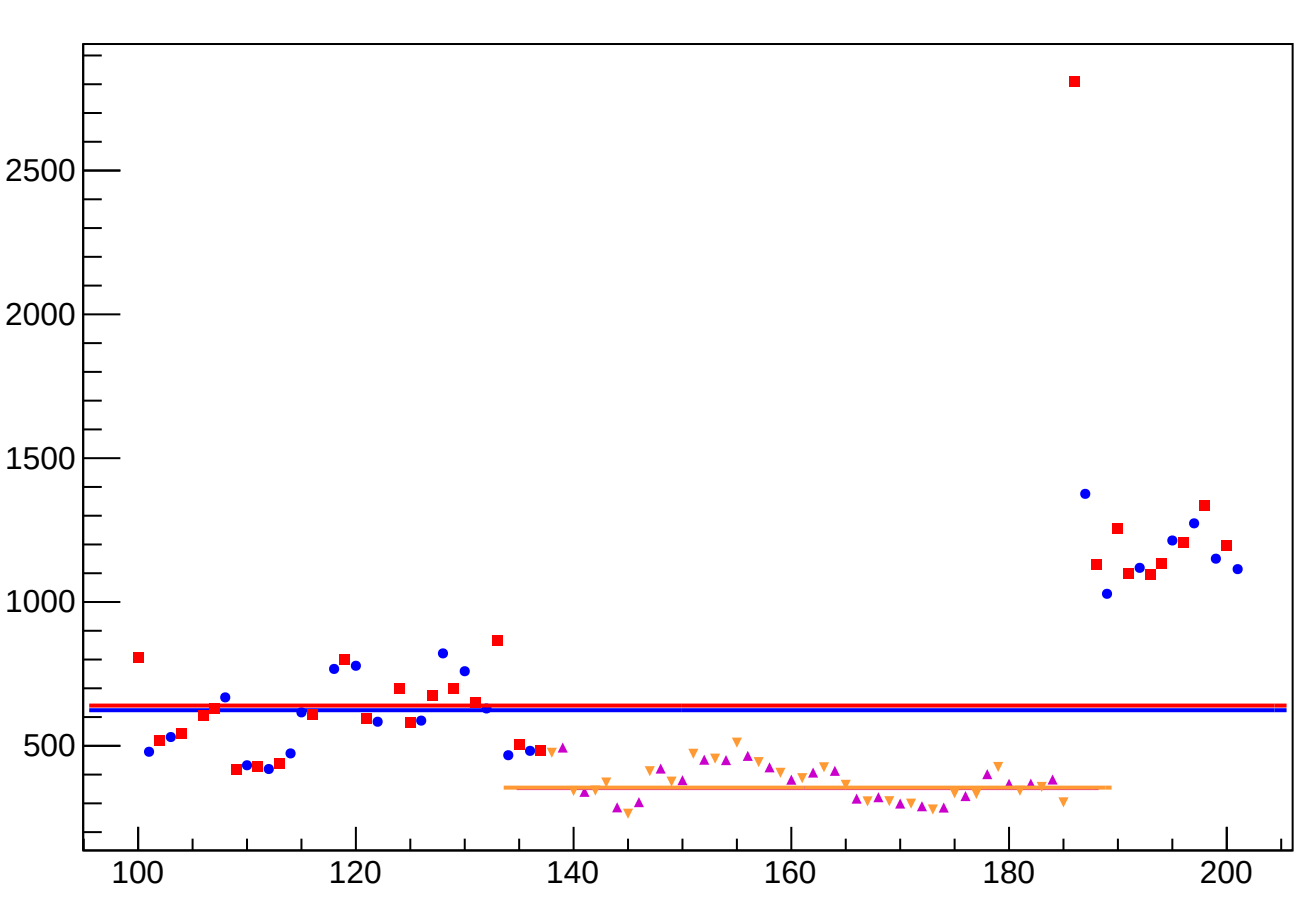
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 113.905+/-134.054 χ^2/NDF: 55.1/50

In: 4.849+/-76.812 χ^2/NDF:53.7/45

Out: -254.452+/-75.221 χ^2/NDF:104.3/52

All: -127.514+/-53.743 χ^2/NDF: 163.8/98



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: 639.972+/-0.133 χ^2/NDF: 3980088.4/27

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

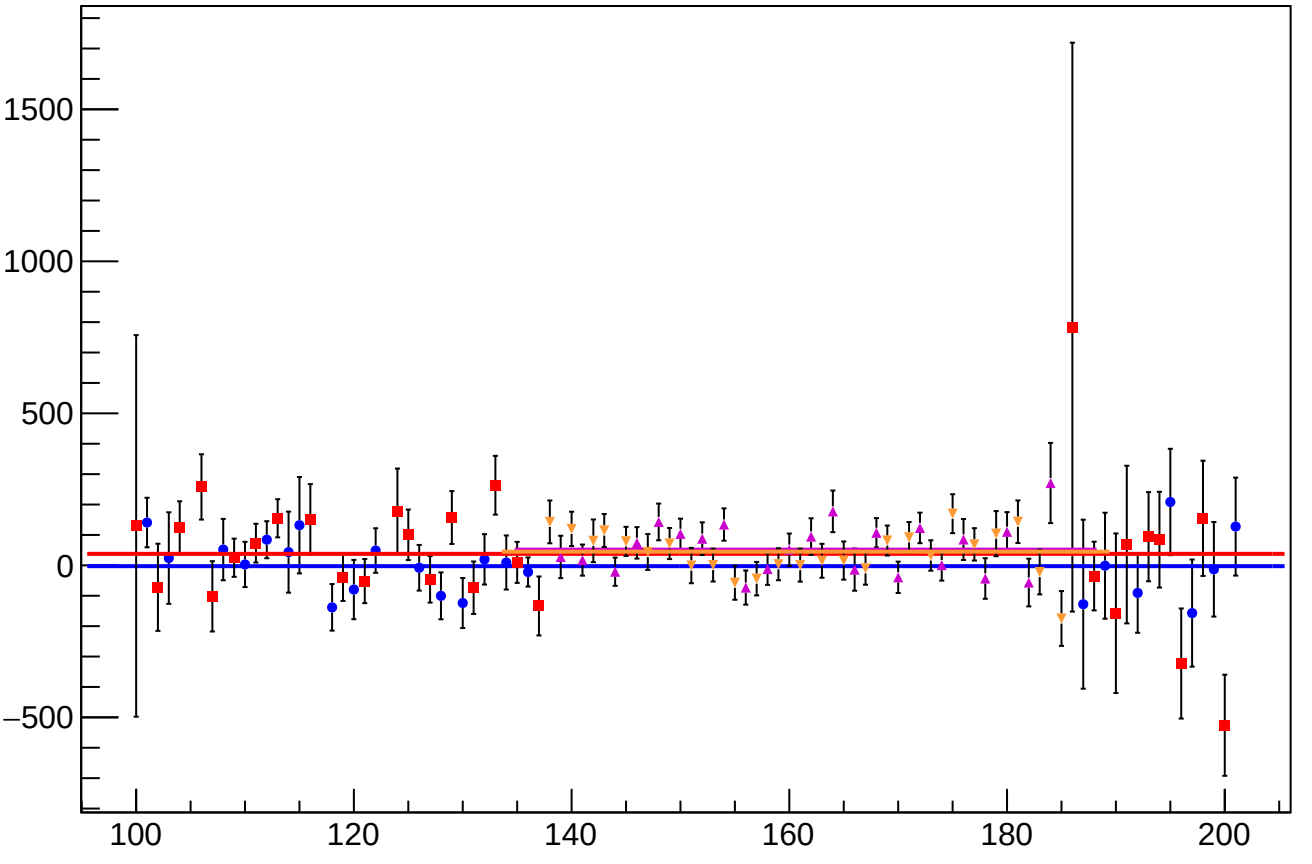
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 632.003+/-0.095 χ^2/NDF: 7131741.7/50

In: 396.873+/-0.054 χ^2/NDF:7514769.3/45

Out: 400.264+/-0.053 χ^2/NDF:8988680.1/52

All: 398.604+/-0.038 χ^2/NDF: 16505438.6/98



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: 37.806+/-18.610 χ^2/NDF: 47.3/27

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

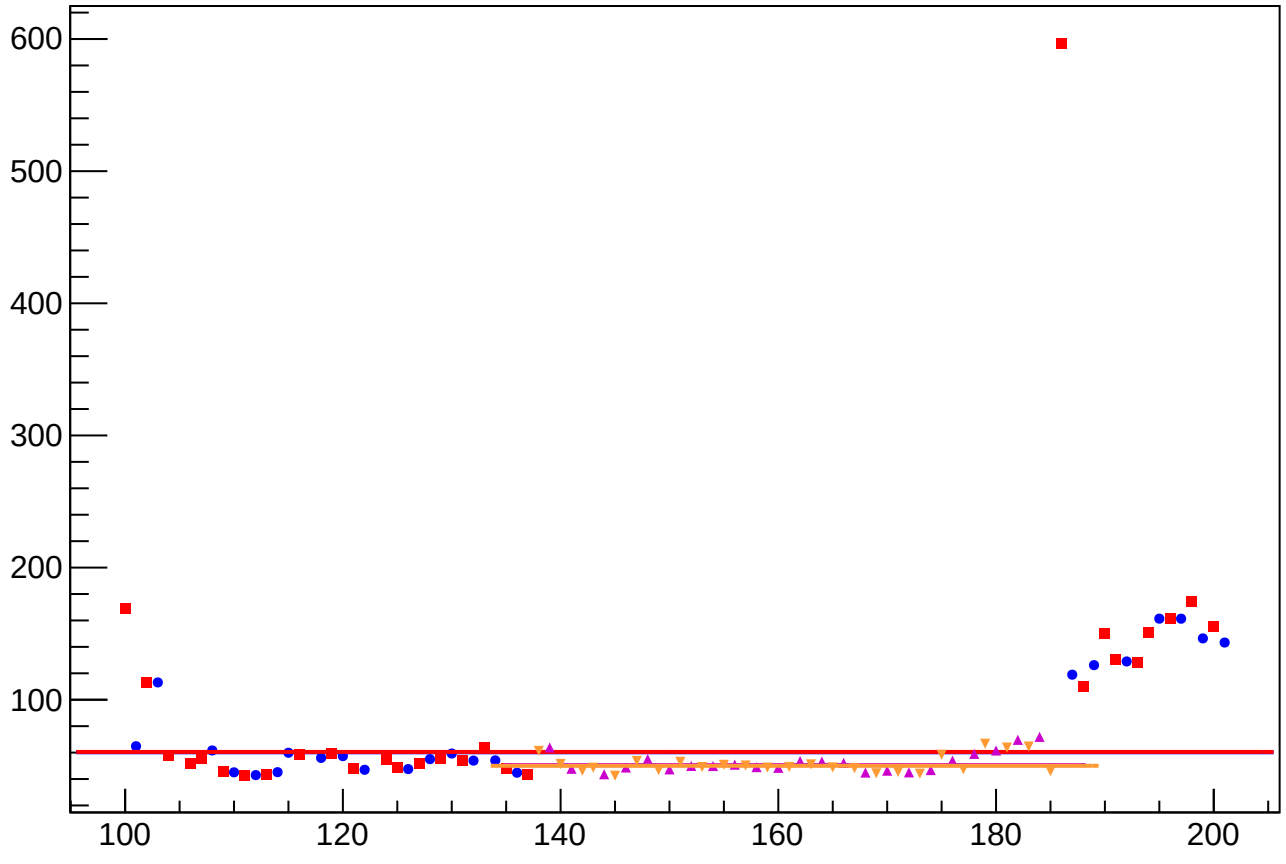
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 18.052+/-13.318 χ^2/NDF: 67.8/50

In: 36.342+/-10.113 χ^2/NDF:59.8/45

Out: 43.083+/-9.779 χ^2/NDF:78.8/52

All: 39.825+/-7.030 χ^2/NDF: 138.8/98



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: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

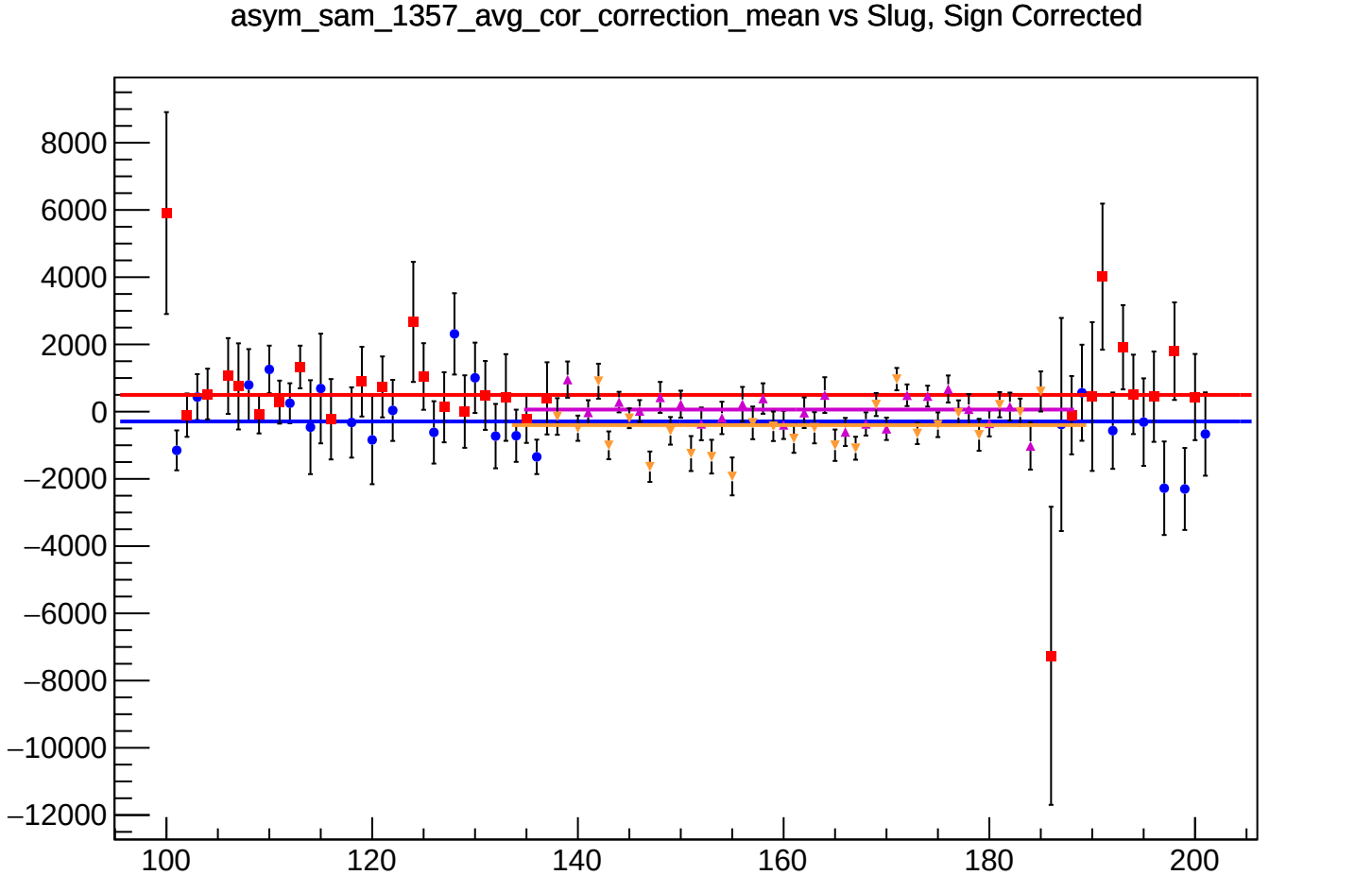
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 60.366+/-0.009 χ^2/NDF: 9834263.8/50

In: 53.243+/-0.007 χ^2/NDF:5163875.0/45

Out: 52.916+/-0.007 χ^2/NDF:6514712.7/52

All: 53.074+/-0.005 χ^2/NDF: 11679673.9/98



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: 497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

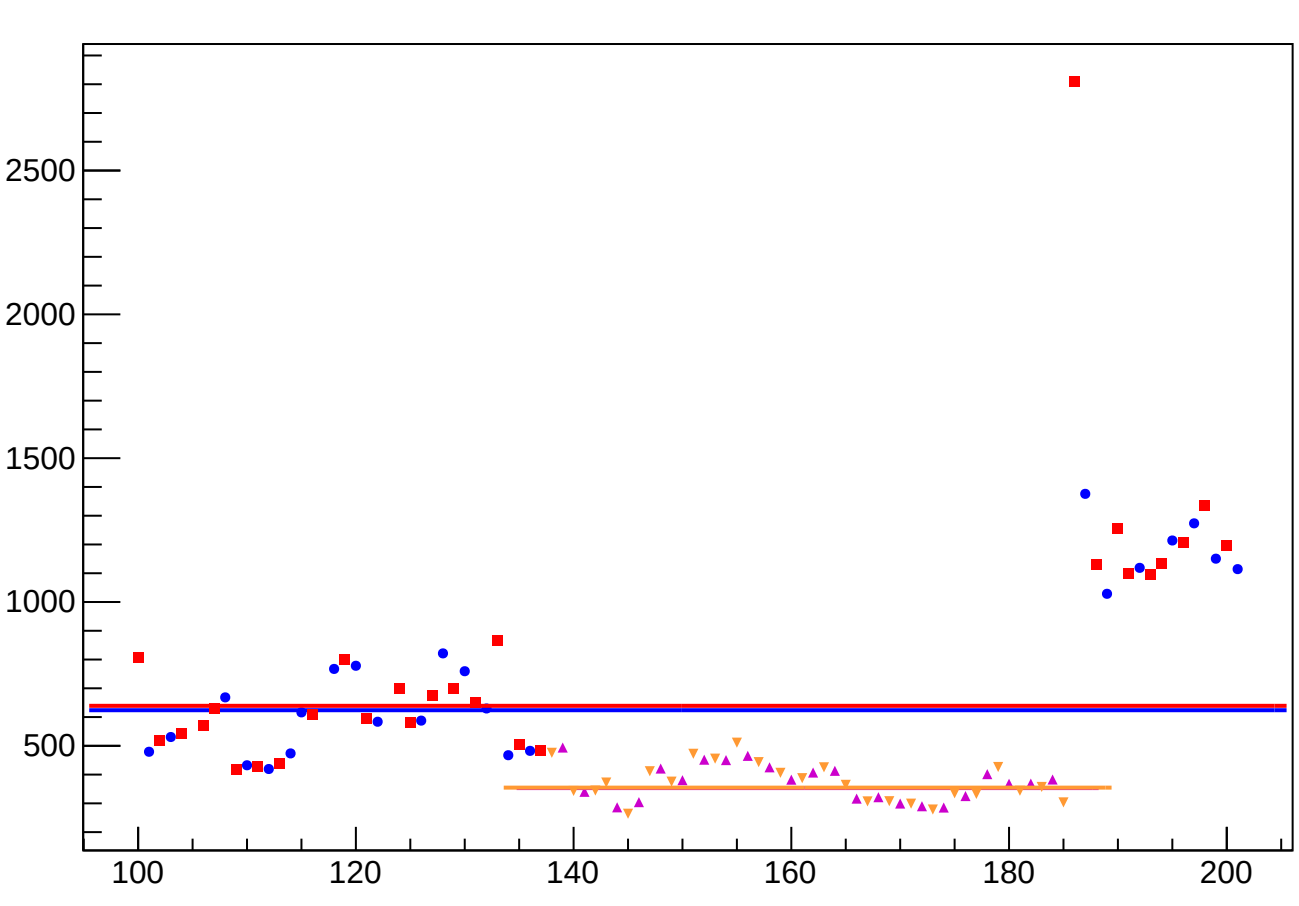
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 108.733+/-134.110 χ^2/NDF: 54.5/50

In: 4.852+/-76.812 χ^2/NDF:53.7/45

Out: -256.174+/-75.231 χ^2/NDF:103.5/52

All: -128.375+/-53.746 χ^2/NDF: 163.0/98



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: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

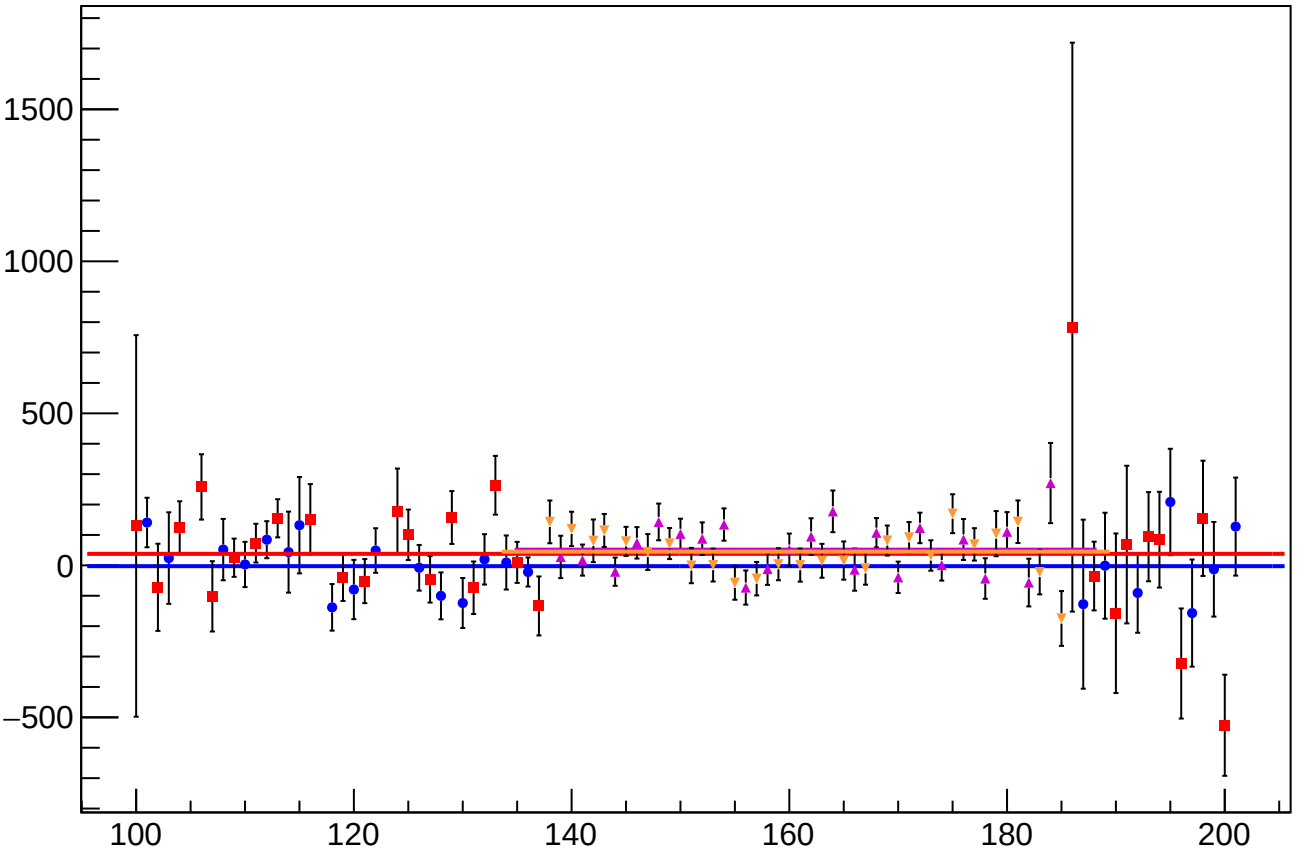
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 631.554+/-0.095 χ^2/NDF: 7135825.2/50

In: 396.873+/-0.054 χ^2/NDF:7514819.4/45

Out: 400.061+/-0.053 χ^2/NDF:8964629.1/52

All: 398.500+/-0.038 χ^2/NDF: 16481206.9/98



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: 37.806+/-18.610 χ^2/NDF: 47.3/27

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

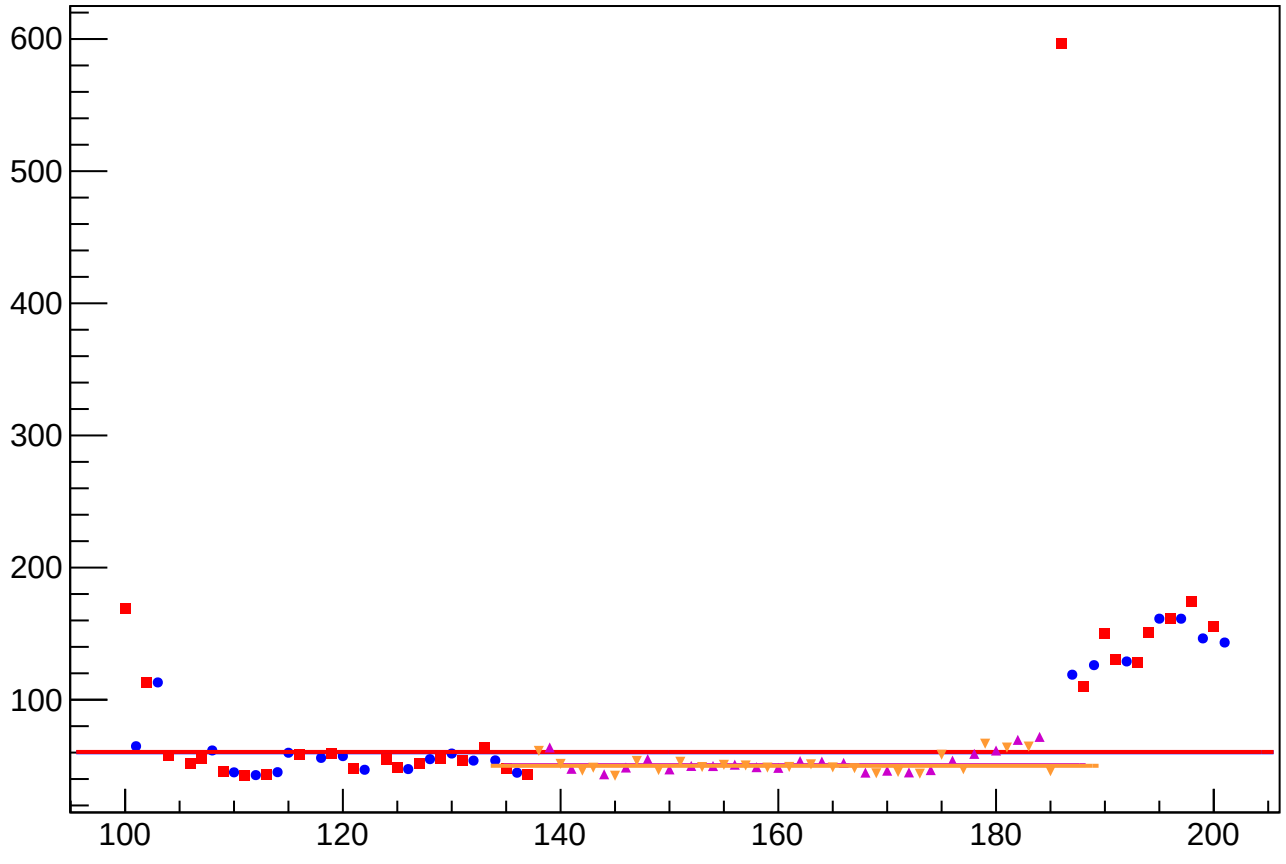
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 18.052+/-13.318 χ^2/NDF: 67.8/50

In: 36.342+/-10.113 χ^2/NDF:59.8/45

Out: 43.083+/-9.779 χ^2/NDF:78.8/52

All: 39.825+/-7.030 χ^2/NDF: 138.8/98



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: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

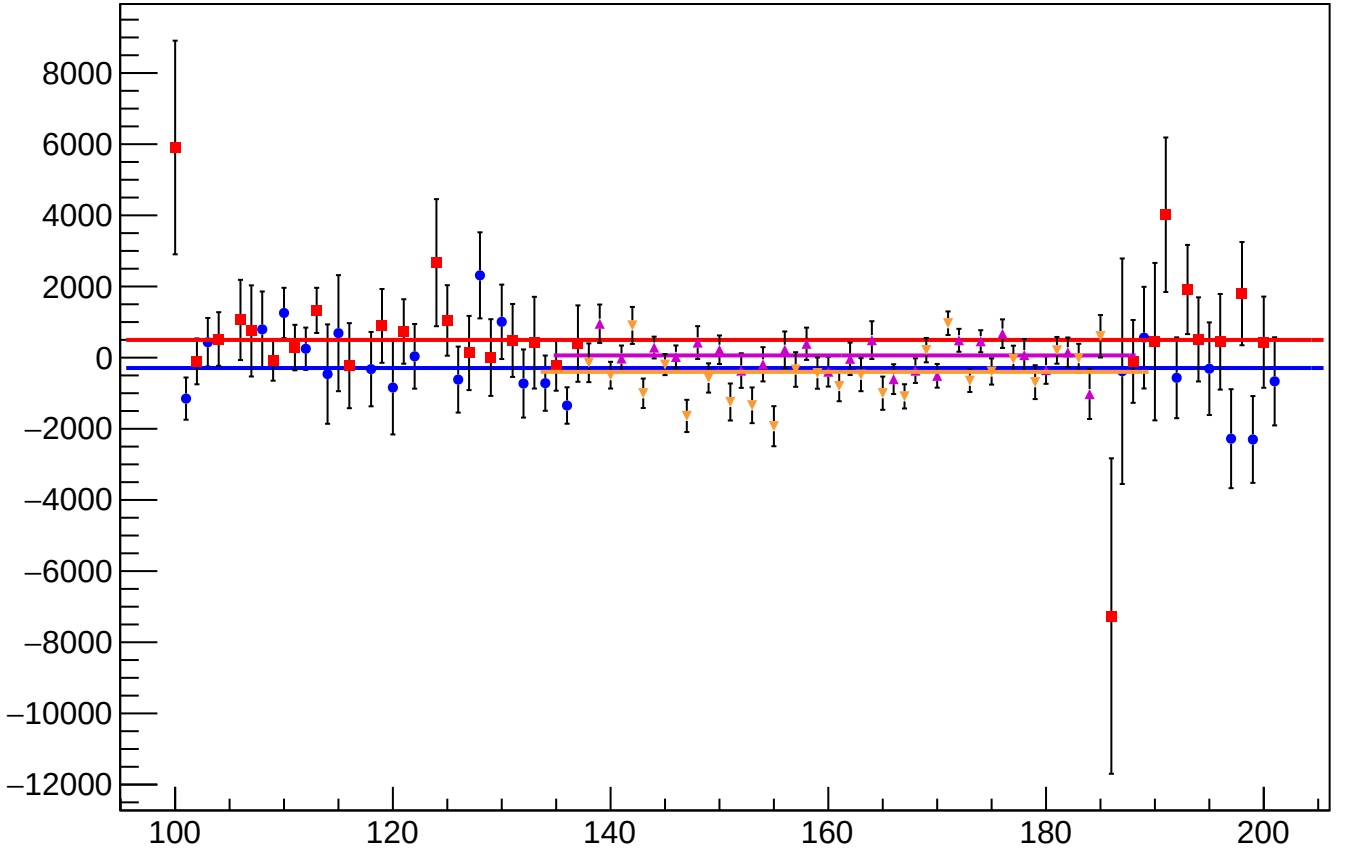
Right: 60.366+/-0.009 χ^2/NDF: 9834263.8/50

In: 53.243+/-0.007 χ^2/NDF:5163875.0/45

Out: 52.916+/-0.007 χ^2/NDF:6514712.7/52

All: 53.074+/-0.005 χ^2/NDF: 11679673.9/98

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: 497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

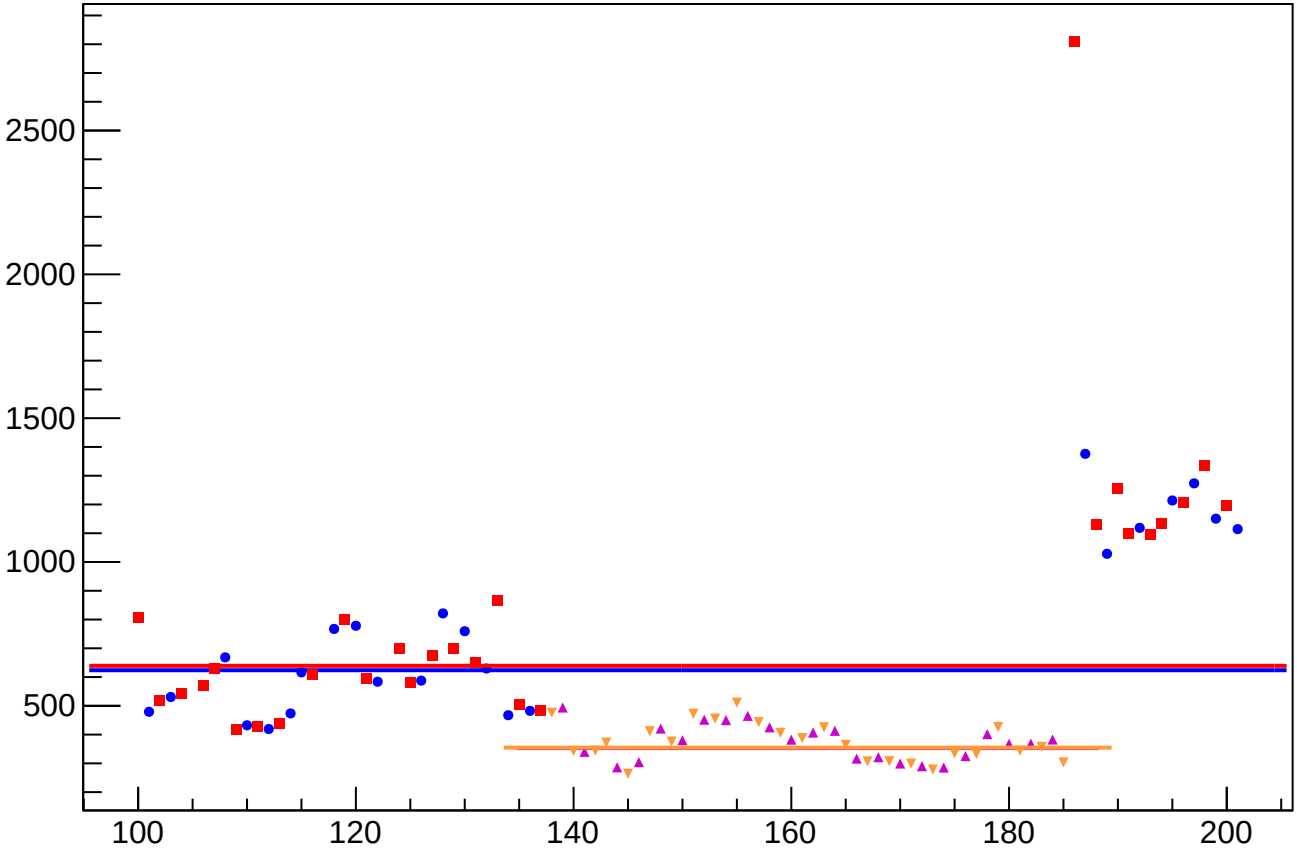
Right: 108.733+/-134.110 χ^2/NDF: 54.5/50

In: 4.852+/-76.812 χ^2/NDF:53.7/45

Out: -256.174+/-75.231 χ^2/NDF:103.5/52

All: -128.375+/-53.746 χ^2/NDF: 163.0/98

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: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

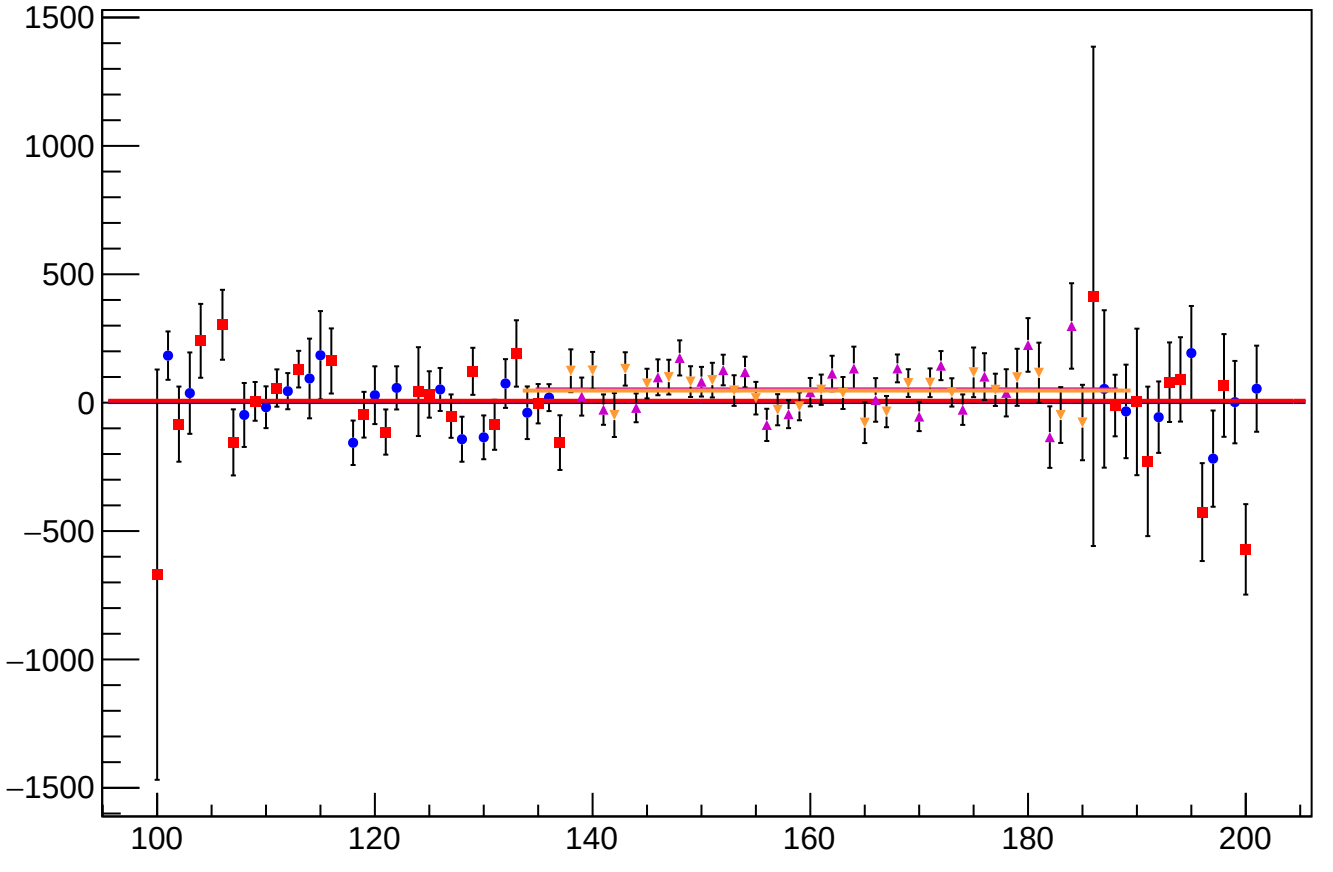
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 631.554+/-0.095 χ^2/NDF: 7135825.2/50

In: 396.873+/-0.054 χ^2/NDF:7514819.4/45

Out: 400.061+/-0.053 χ^2/NDF:8964629.1/52

All: 398.500+/-0.038 χ^2/NDF: 16481206.9/98



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: 7.416+/-21.383 χ^2/NDF: 42.2/27

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

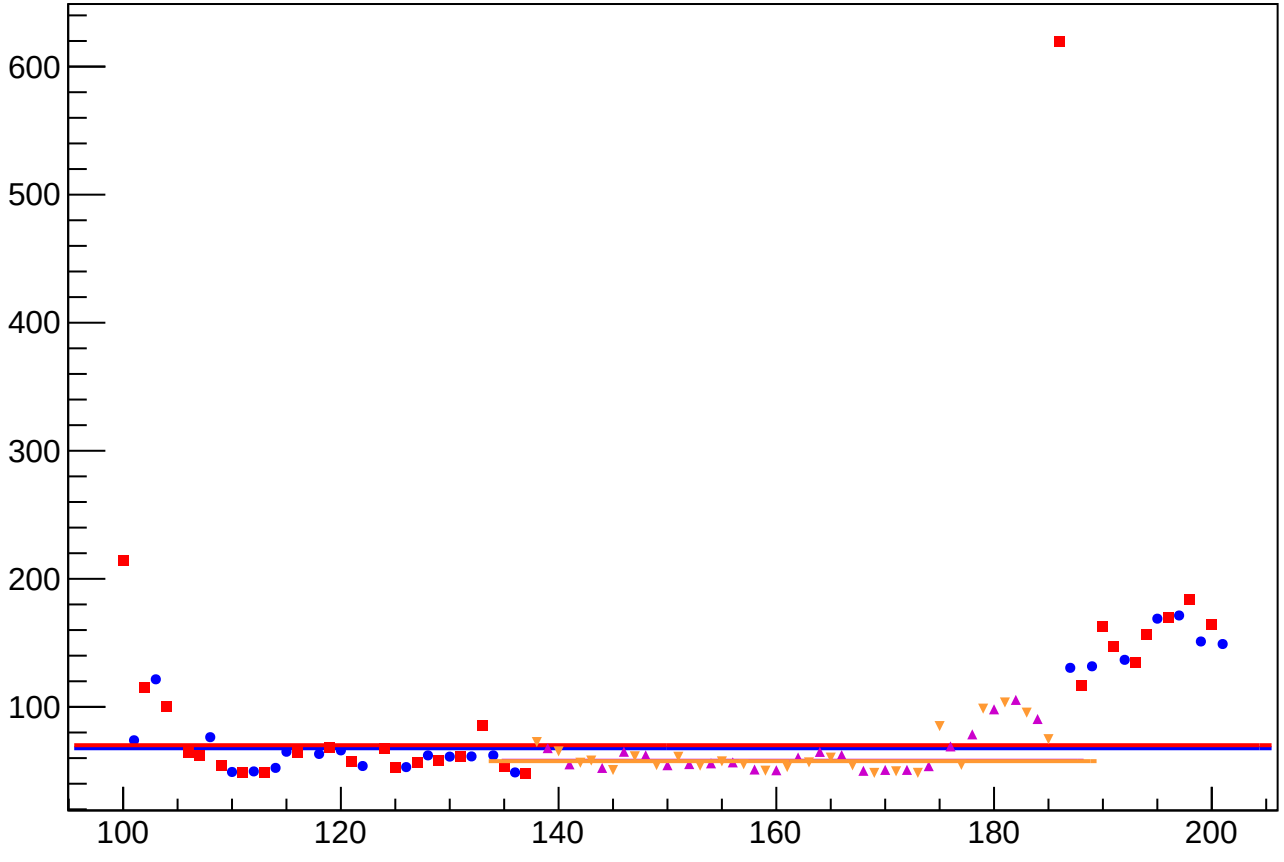
Right: 4.900+/-15.091 χ^2/NDF: 61.2/50

In: 36.894+/-11.660 χ^2/NDF:60.9/45

Out: 35.813+/-11.422 χ^2/NDF:61.6/52

All: 36.342+/-8.160 χ^2/NDF: 122.5/98

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: 70.073+/-0.015 χ^2/NDF: 5186030.9/27

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

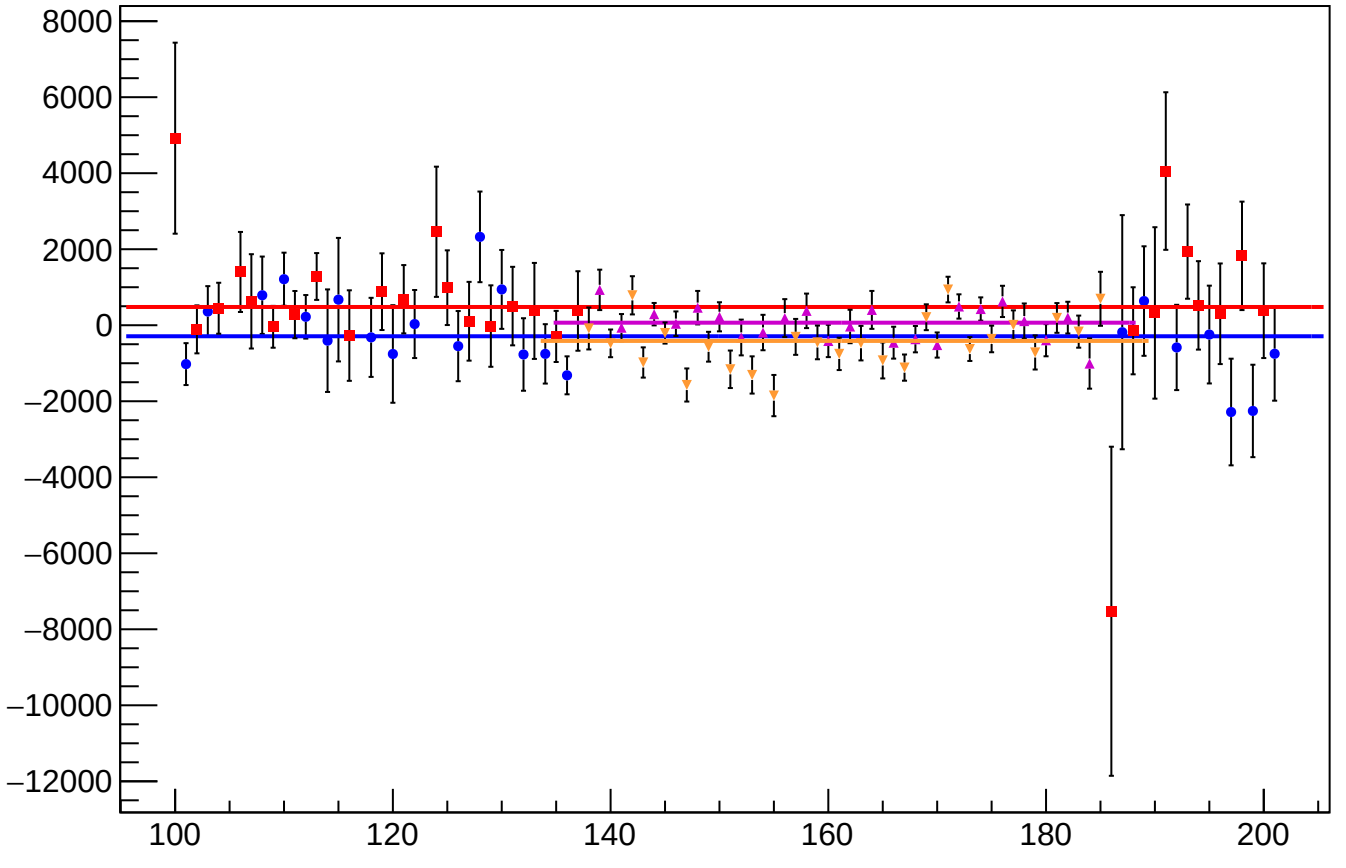
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 68.879+/-0.011 χ^2/NDF: 9175062.2/50

In: 60.863+/-0.008 χ^2/NDF:5394839.1/45

Out: 61.181+/-0.008 χ^2/NDF:7035397.3/52

All: 61.025+/-0.006 χ^2/NDF: 12430996.0/98



Right In: -290.194+/-186.742 χ^2/NDF: 26.3/22

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 480.194+/-182.254 χ^2/NDF: 20.4/27

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

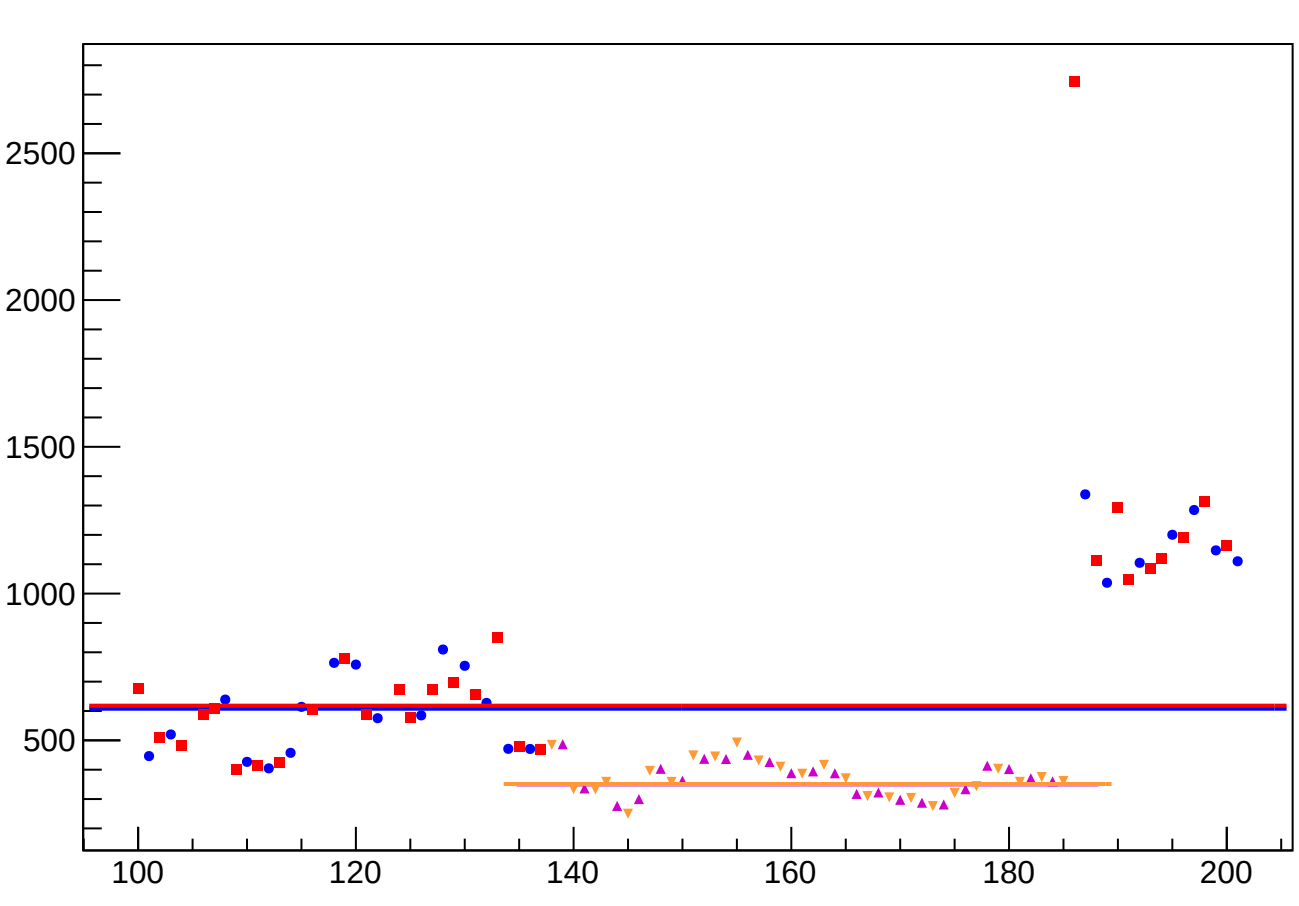
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 104.369+/-130.431 χ^2/NDF: 55.4/50

In: 7.677+/-75.908 χ^2/NDF:52.2/45

Out: -265.310+/-74.121 χ^2/NDF:101.7/52

All: -132.067+/-53.032 χ^2/NDF: 160.6/98



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: 618.138+/-0.129 χ^2/NDF: 4149620.8/27

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

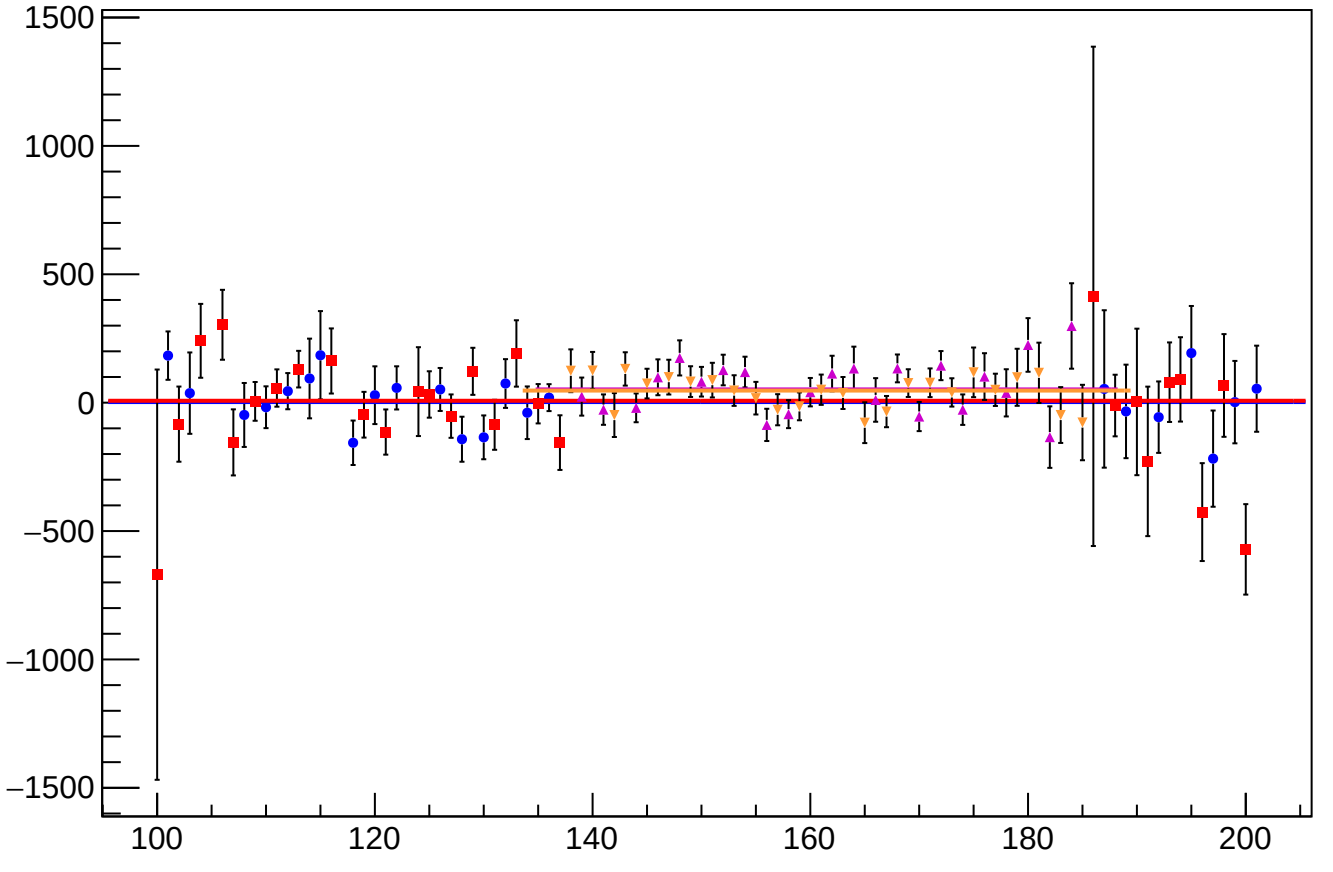
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 613.105+/-0.092 χ^2/NDF: 7454574.4/50

In: 392.444+/-0.054 χ^2/NDF:7479142.4/45

Out: 395.405+/-0.052 χ^2/NDF:8846930.1/52

All: 393.960+/-0.037 χ^2/NDF: 16327630.6/98



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: 7.415+/-21.383 χ^2/NDF: 42.2/27

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

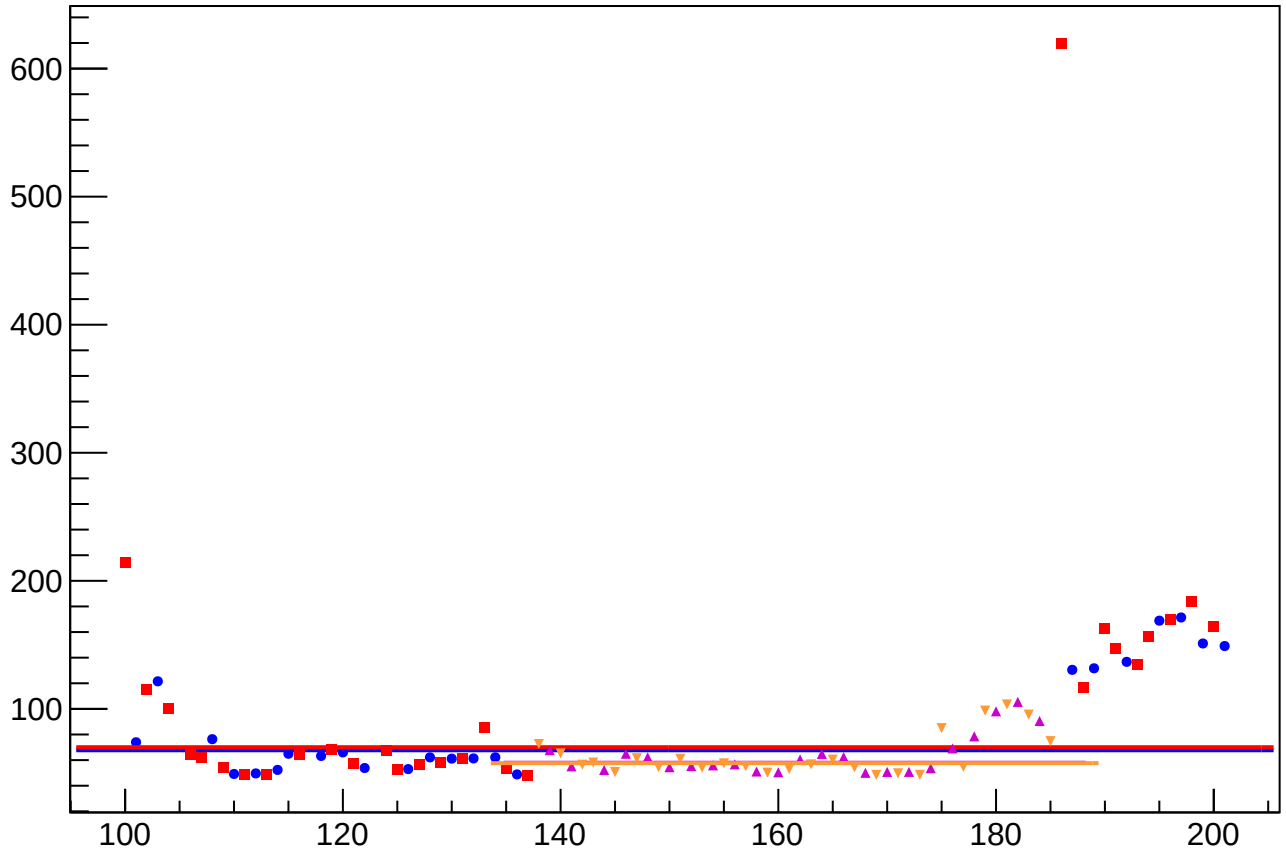
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.900+/-15.091 χ^2/NDF: 61.2/50

In: 36.894+/-11.660 χ^2/NDF:60.9/45

Out: 35.813+/-11.422 χ^2/NDF:61.6/52

All: 36.342+/-8.160 χ^2/NDF: 122.5/98



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: 70.073+/-0.015 χ^2/NDF: 5186023.1/27

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

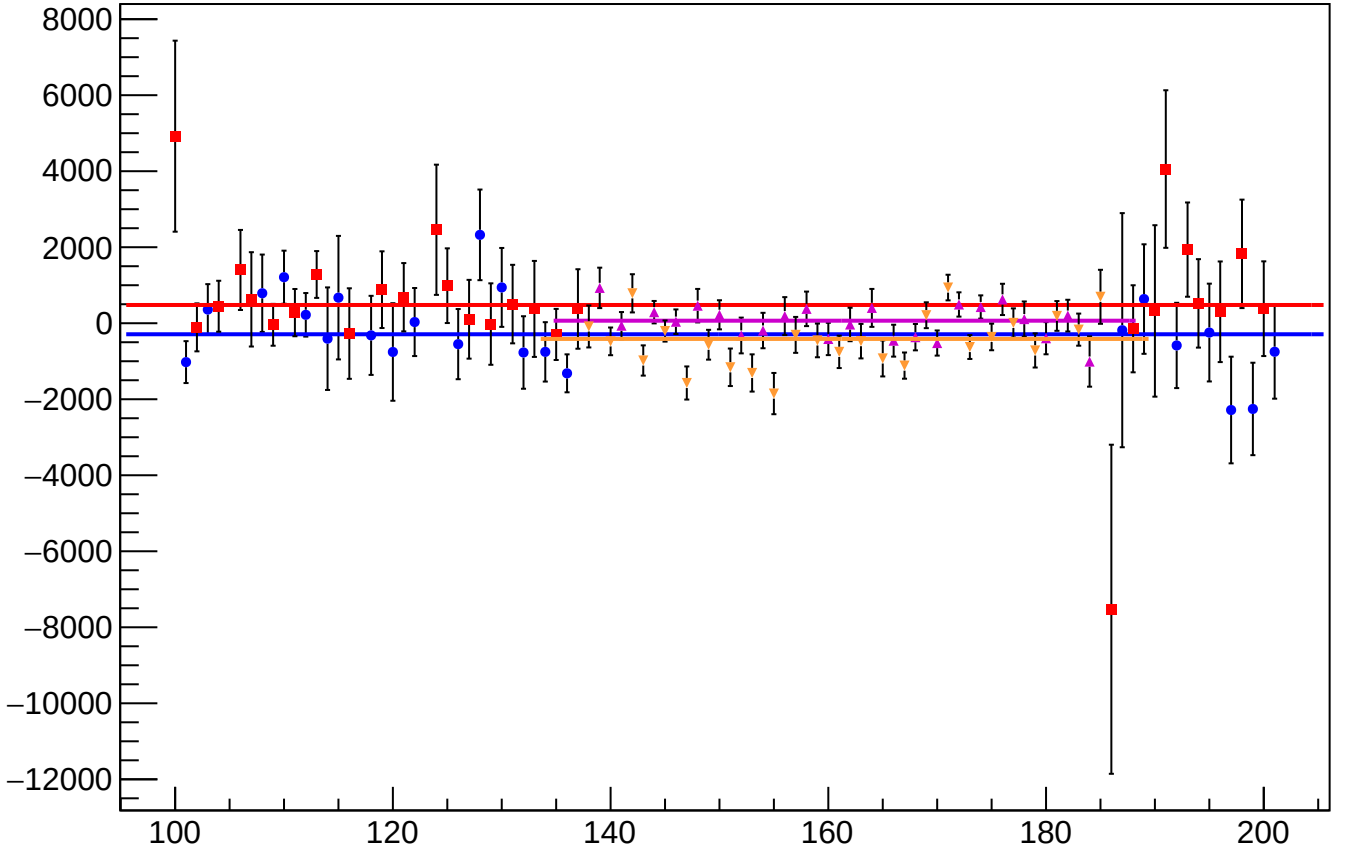
Right: 68.879+/-0.011 χ^2/NDF: 9175040.8/50

In: 60.863+/-0.008 χ^2/NDF:5394810.6/45

Out: 61.181+/-0.008 χ^2/NDF:7035386.9/52

All: 61.025+/-0.006 χ^2/NDF: 12430957.0/98

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -290.194+/-186.742 χ^2/NDF: 26.3/22

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 480.193+/-182.253 χ^2/NDF: 20.4/27

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

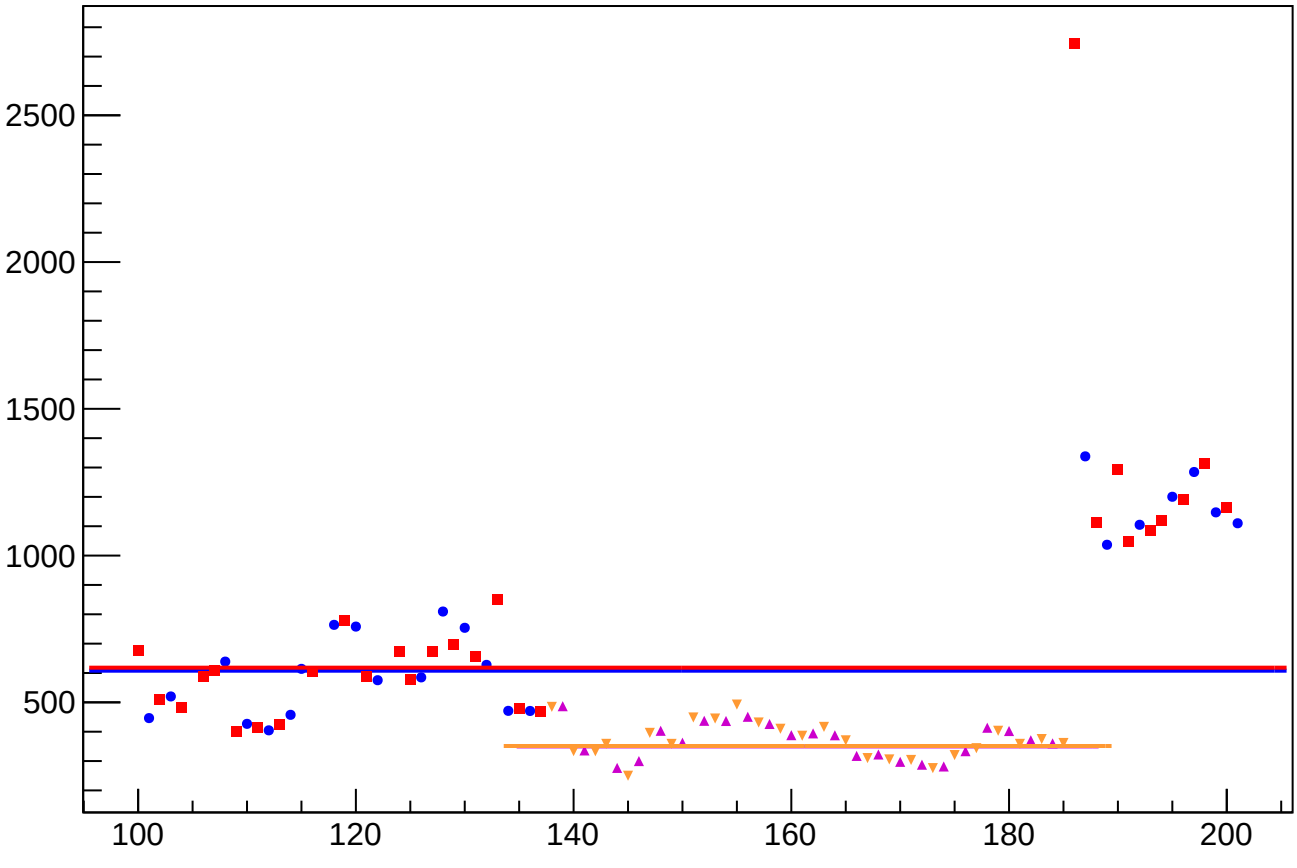
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 104.369+/-130.430 χ^2/NDF: 55.4/50

In: 7.677+/-75.908 χ^2/NDF:52.2/45

Out: -265.310+/-74.121 χ^2/NDF:101.7/52

All: -132.067+/-53.032 χ^2/NDF: 160.6/98



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: 618.137+/-0.129 χ^2/NDF: 4149625.1/27

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

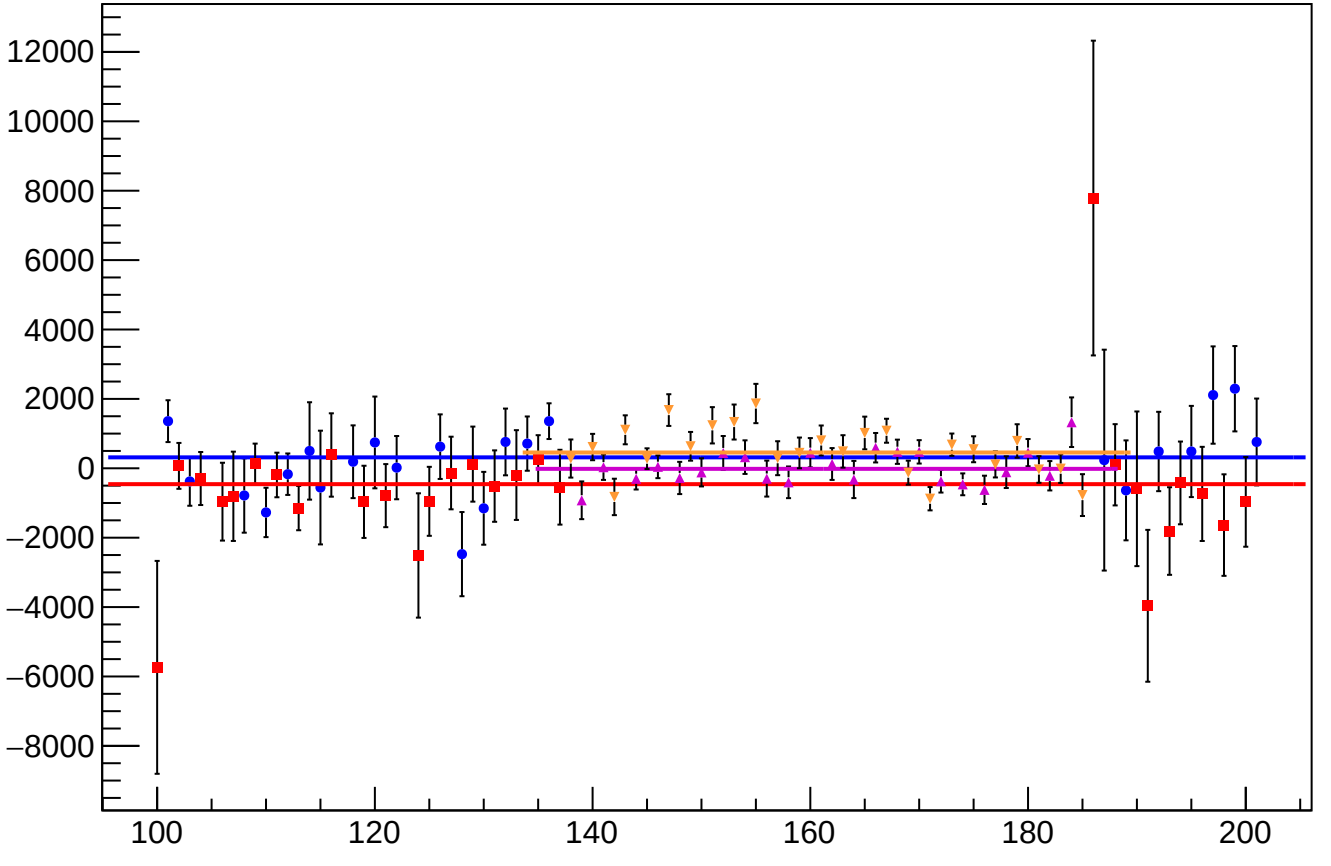
Right: 613.103+/-0.092 χ^2/NDF: 7454585.6/50

In: 392.444+/-0.054 χ^2/NDF:7479127.6/45

Out: 395.405+/-0.052 χ^2/NDF:8846918.2/52

All: 393.959+/-0.037 χ^2/NDF: 16327603.7/98

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: -457.194+/-189.702 χ^2/NDF: 18.2/27

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

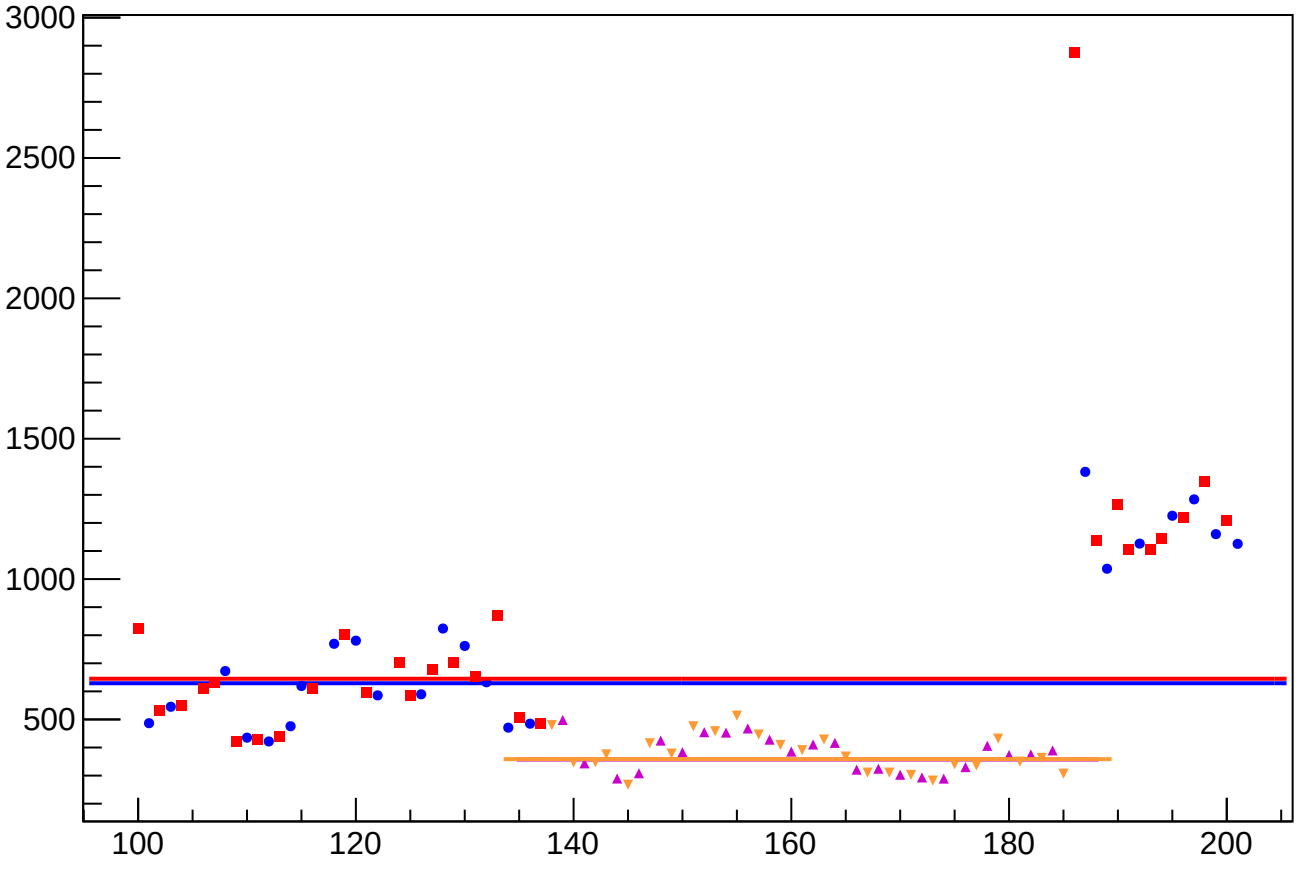
Right: -76.817+/-135.150 χ^2/NDF: 54.3/50

In: 37.761+/-77.633 χ^2/NDF:55.3/45

Out: 308.748+/-76.010 χ^2/NDF:98.5/52

All: 176.118+/-54.312 χ^2/NDF: 160.0/98

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: 644.979+/-0.134 χ^2/NDF: 3979538.3/27

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

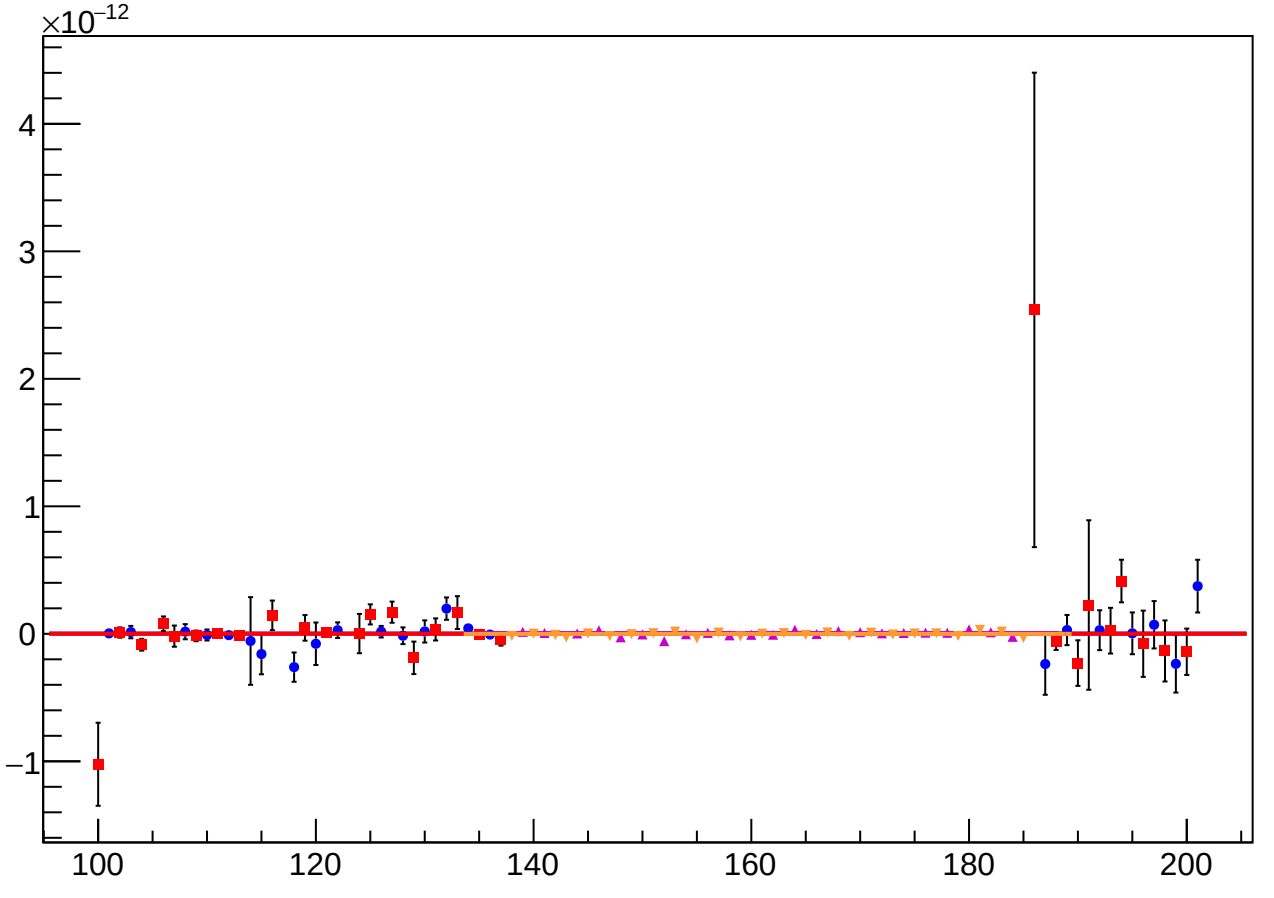
Right: 637.112+/-0.096 χ^2/NDF: 7121871.2/50

In: 401.349+/-0.055 χ^2/NDF:7453575.0/45

Out: 404.641+/-0.054 χ^2/NDF:8923206.7/52

All: 403.030+/-0.038 χ^2/NDF: 16378618.2/98

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: 41.7/27

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

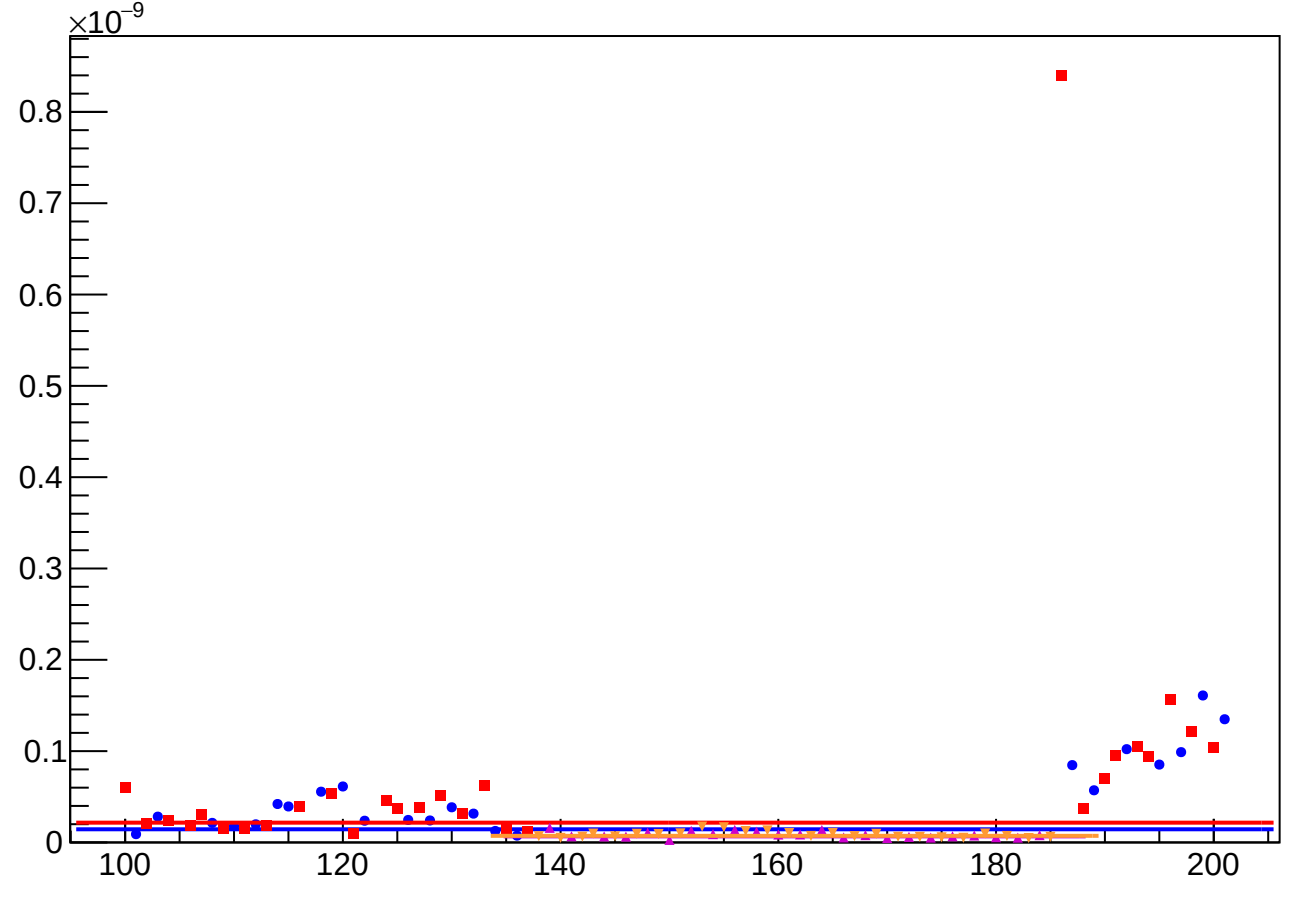
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: 0.000+/-0.000 χ^2/NDF: 60.9/50

In: 0.000+/-0.000 χ^2/NDF:47.8/45

Out: -0.000+/-0.000 χ^2/NDF:59.9/52

All: 0.000+/-0.000 χ^2/NDF: 110.1/98



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: 4218252.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

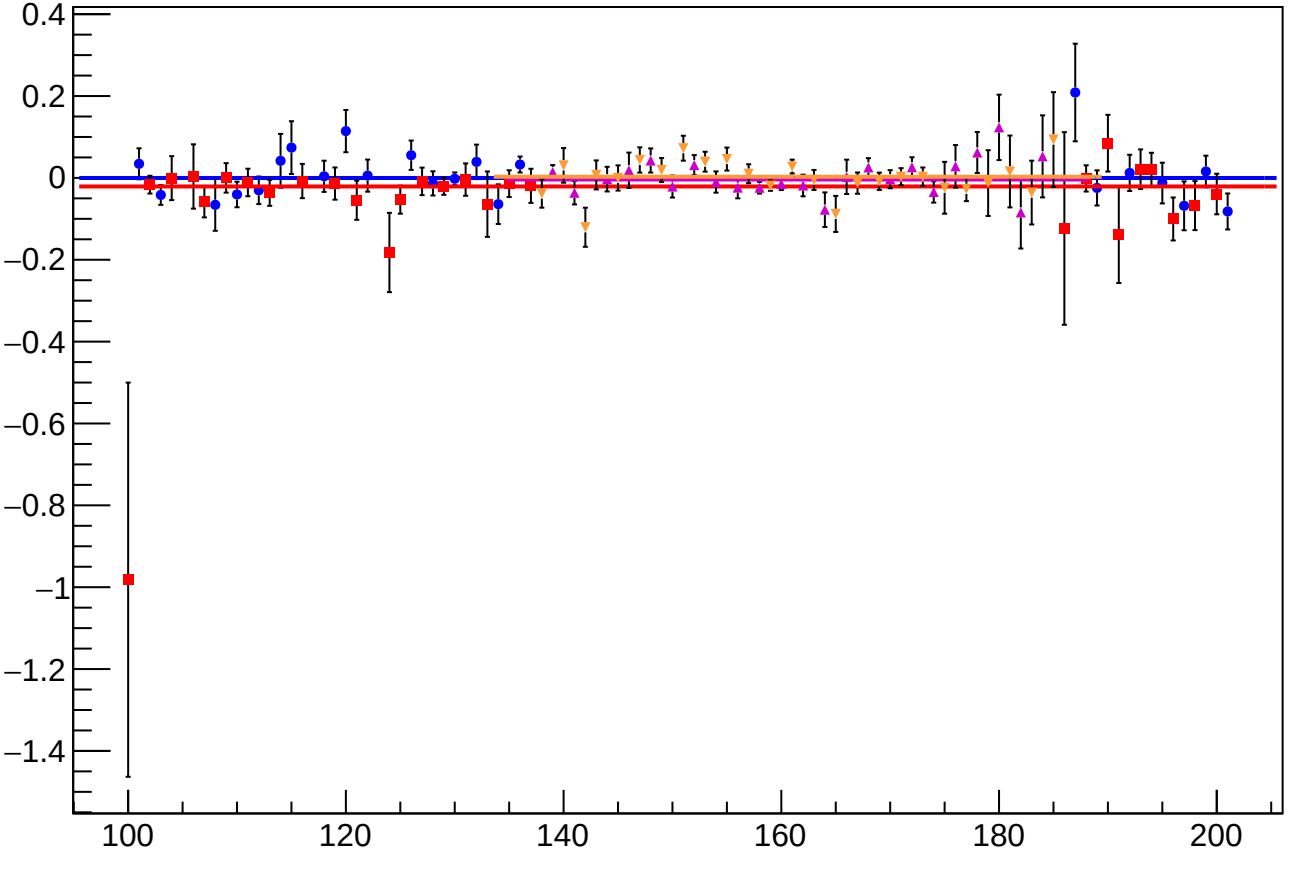
Right: 0.000+/-0.000 χ^2/NDF: 9882366.4/50

In: 0.000+/-0.000 χ^2/NDF:8289076.0/45

Out: 0.000+/-0.000 χ^2/NDF:8478046.9/52

All: 0.000+/-0.000 χ^2/NDF: 16831853.5/98

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: -0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

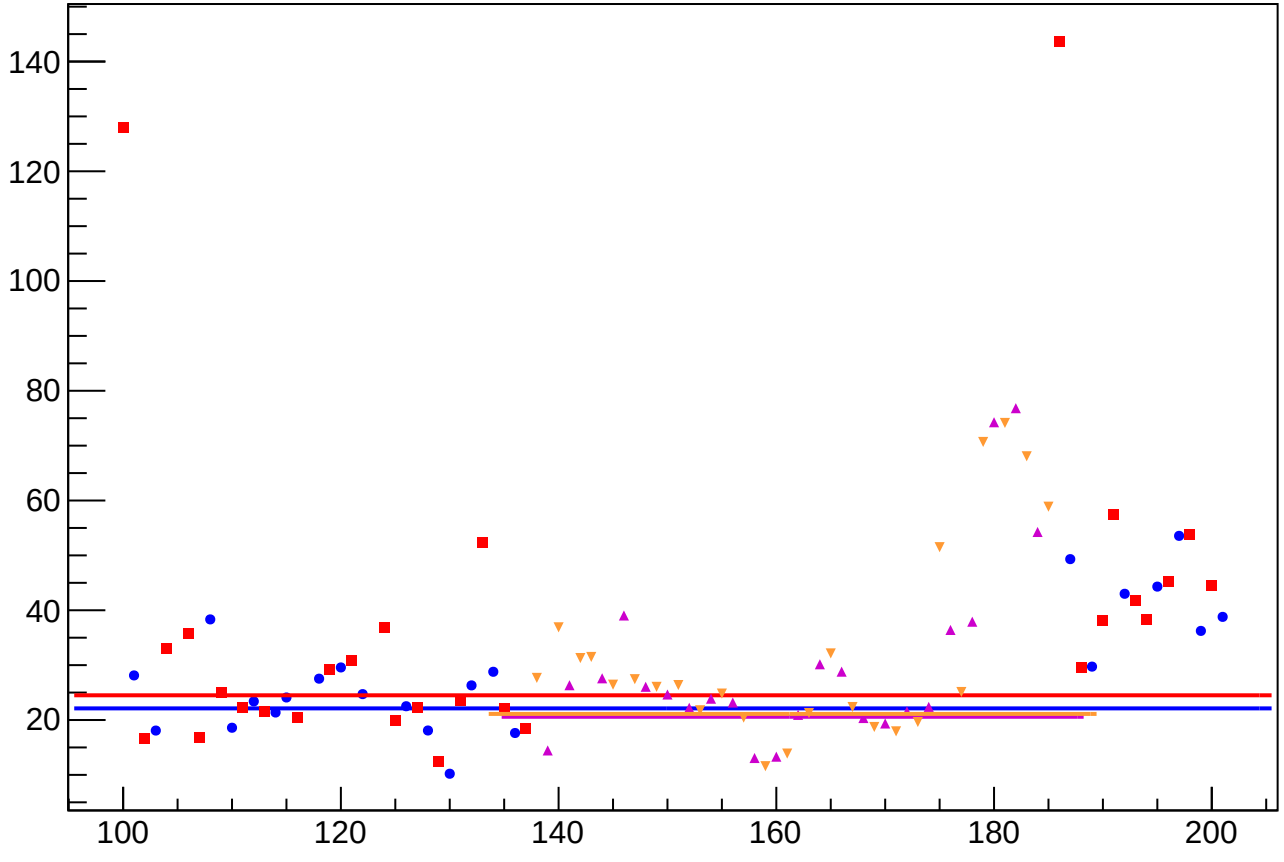
Right: -0.010+/-0.005 χ^2/NDF: 53.9/50

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 114.2/98

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: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

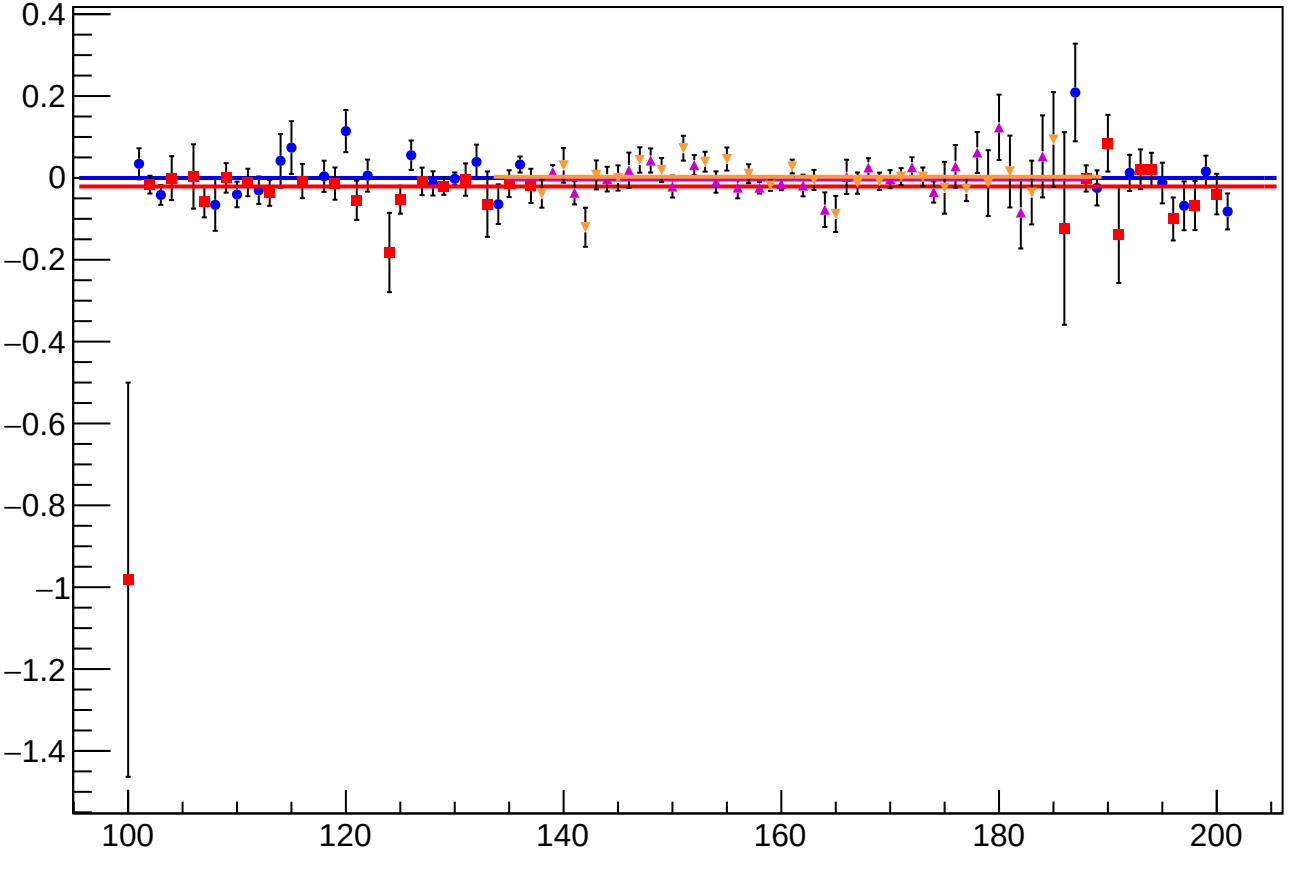
Right: 23.243+/-0.004 χ^2/NDF: 8016360.1/50

In: 21.148+/-0.003 χ^2/NDF:8507007.8/45

Out: 22.263+/-0.003 χ^2/NDF:9872282.8/52

All: 21.693+/-0.002 χ^2/NDF: 18444097.3/98

asym_sam_1357_avg_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: -0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

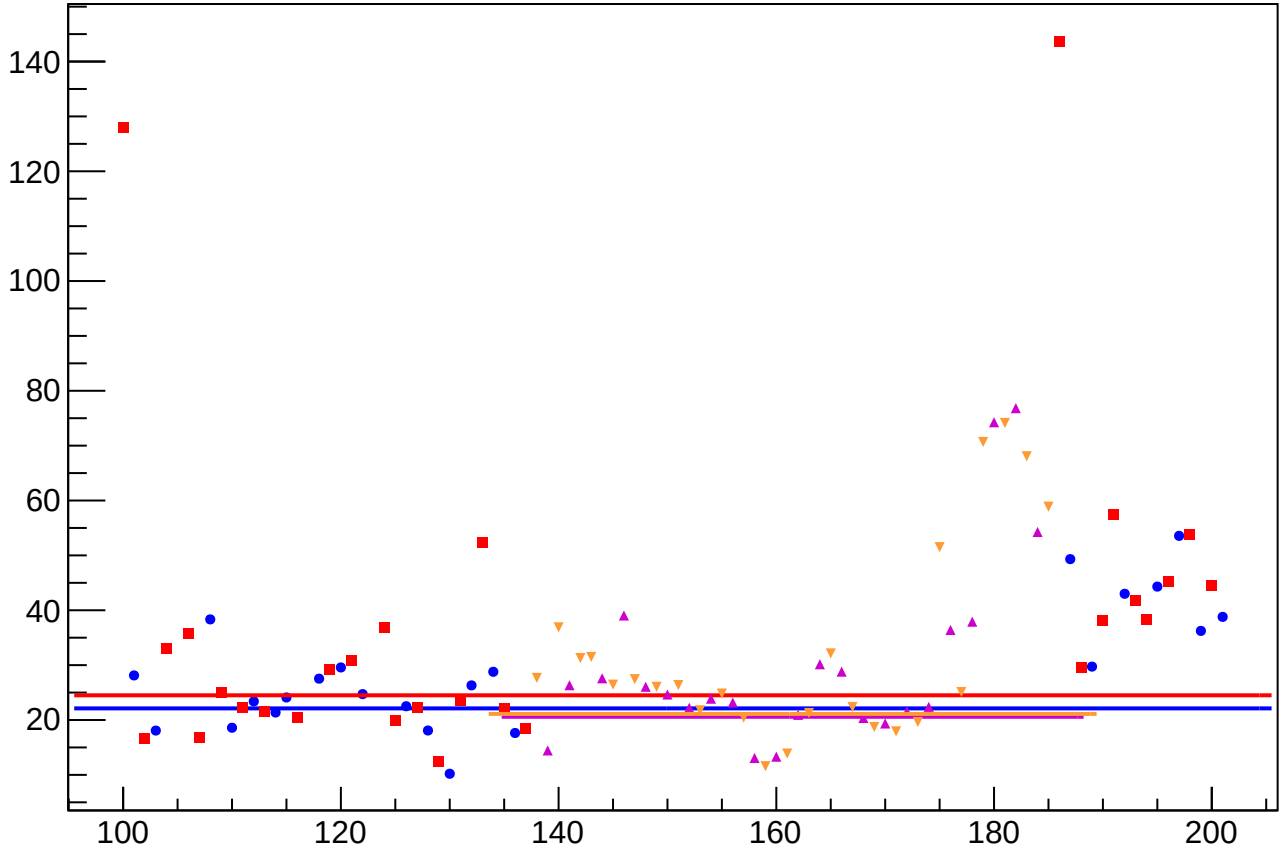
Right: -0.010+/-0.005 χ^2/NDF: 53.9/50

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 114.2/98

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: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

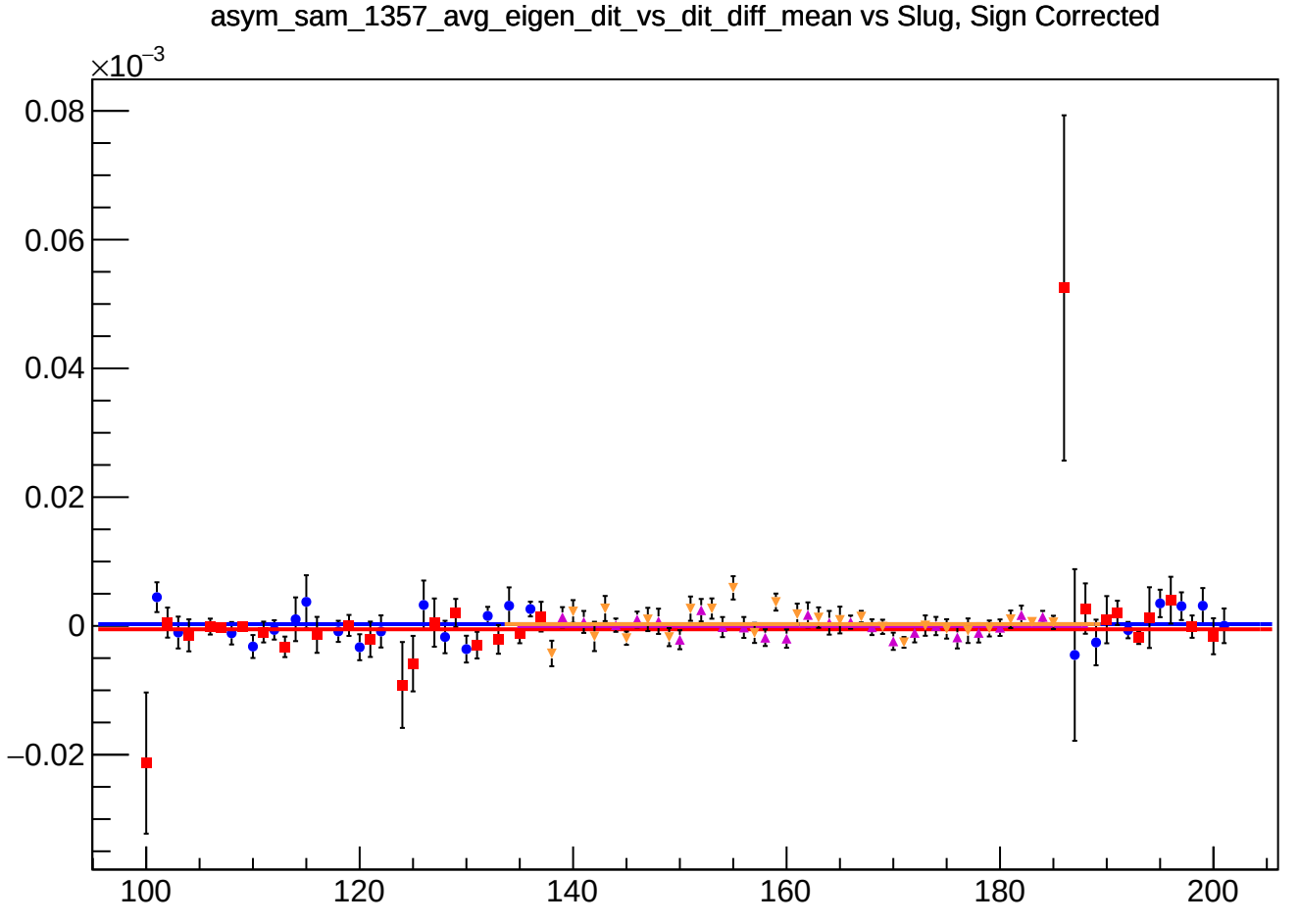
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.243+/-0.004 χ^2/NDF: 8016360.1/50

In: 21.148+/-0.003 χ^2/NDF:8507007.8/45

Out: 22.263+/-0.003 χ^2/NDF:9872282.8/52

All: 21.693+/-0.002 χ^2/NDF: 18444097.3/98



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: 25.8/27

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

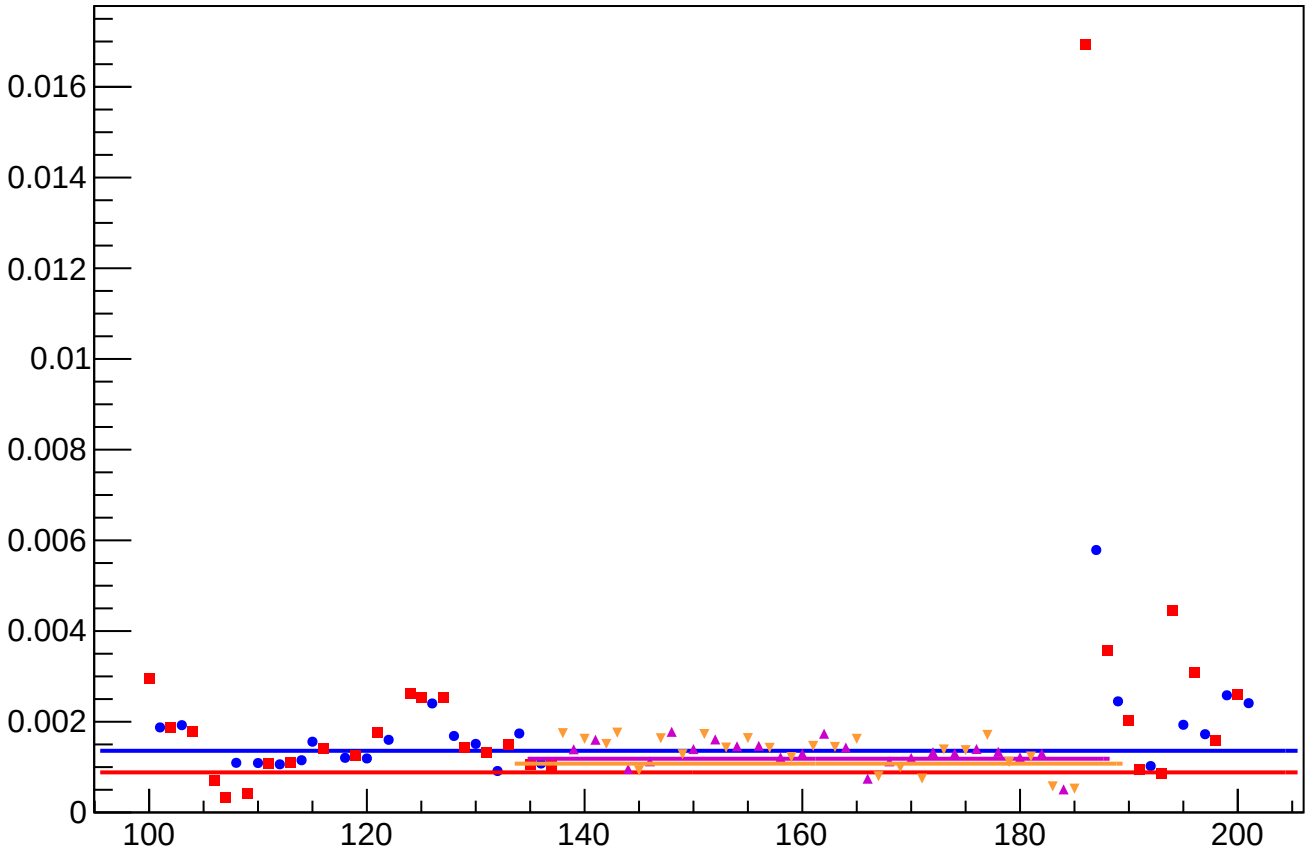
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 58.2/50

In: 0.000+/-0.000 χ^2/NDF:50.2/45

Out: -0.000+/-0.000 χ^2/NDF:82.4/52

All: -0.000+/-0.000 χ^2/NDF: 132.8/98



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: 9761727.5/27

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

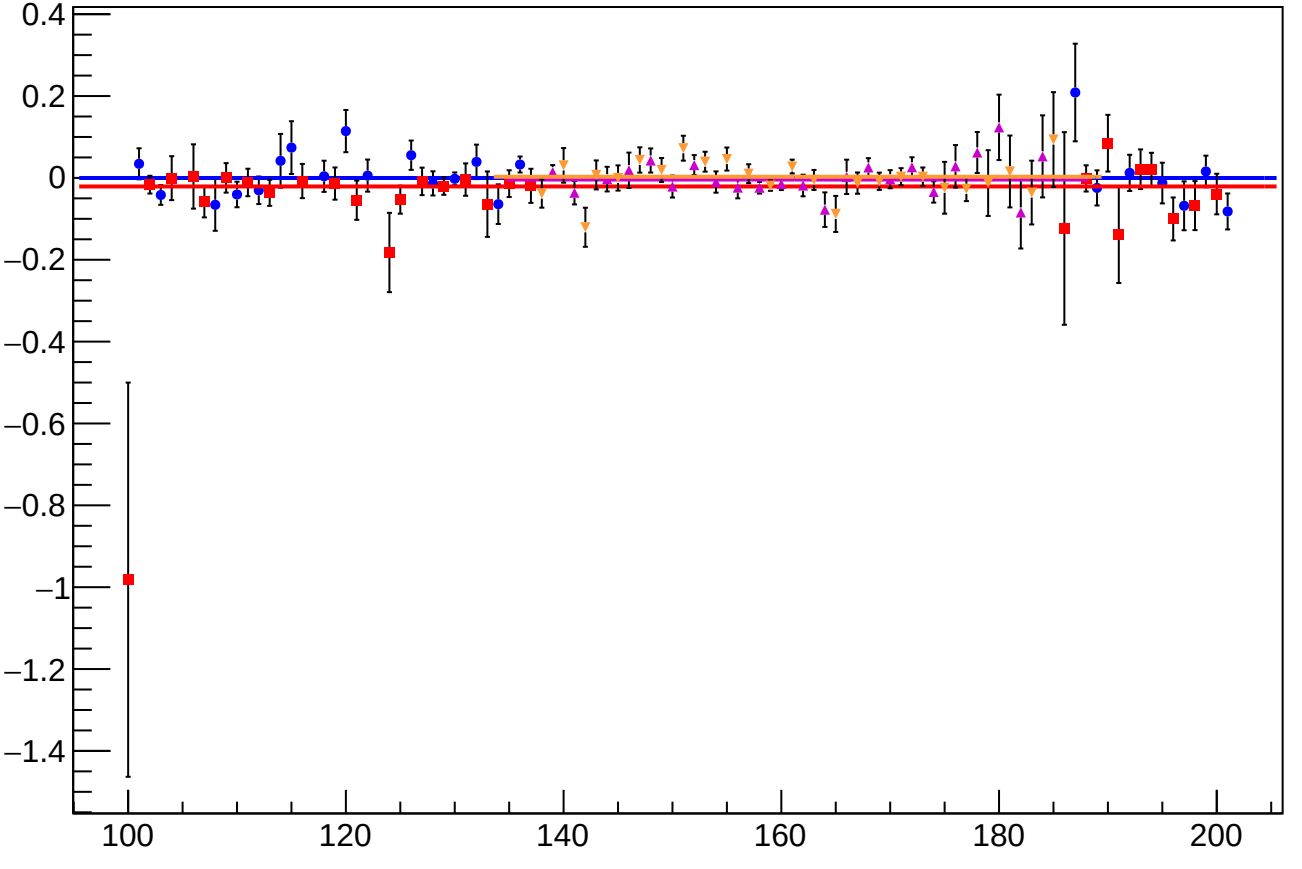
Right: 0.001+/-0.000 χ^2/NDF: 13880737.7/50

In: 0.001+/-0.000 χ^2/NDF:5136950.0/45

Out: 0.001+/-0.000 χ^2/NDF:14766206.8/52

All: 0.001+/-0.000 χ^2/NDF: 21160360.0/98

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: -0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

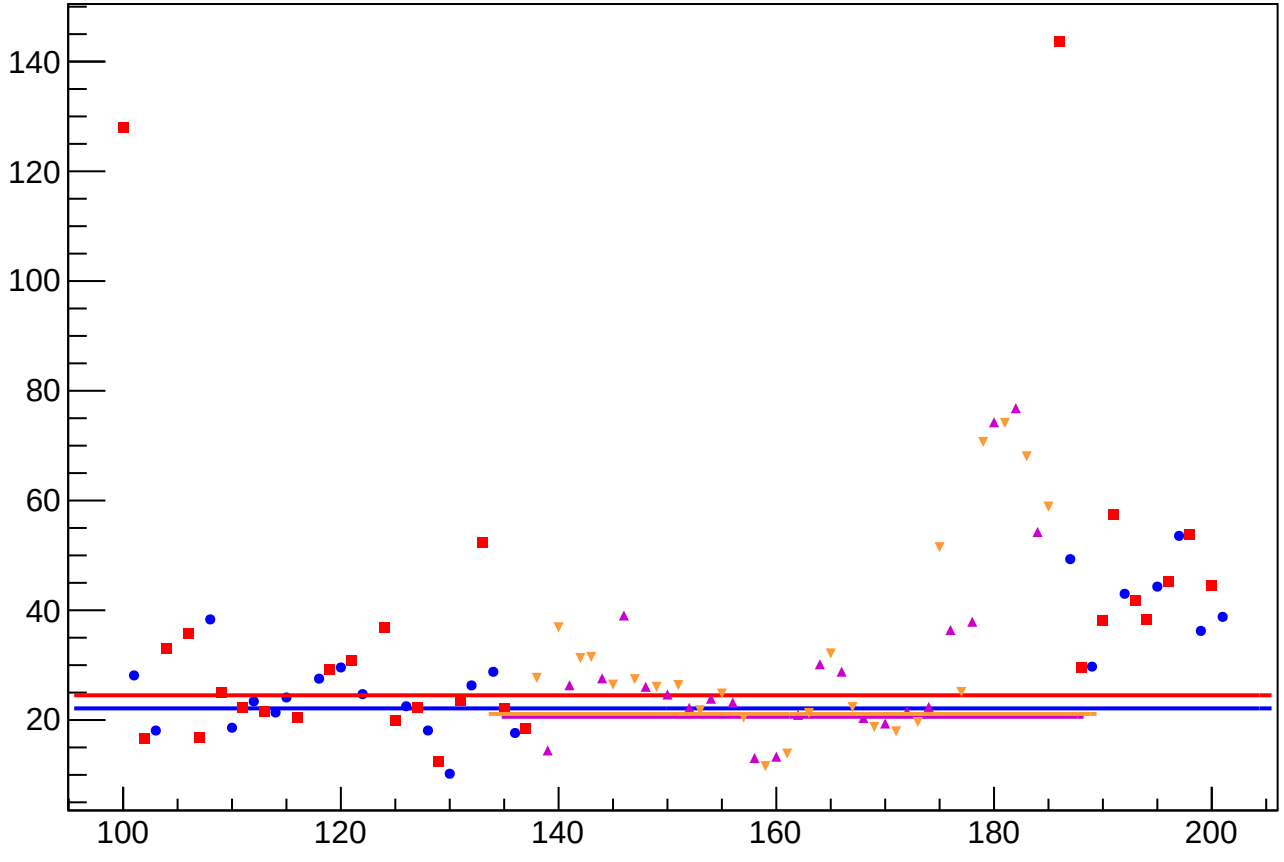
Right: -0.010+/-0.005 χ^2/NDF: 53.9/50

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 114.2/98

asym_sam_1357_avg_eigen_dit_vs_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: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

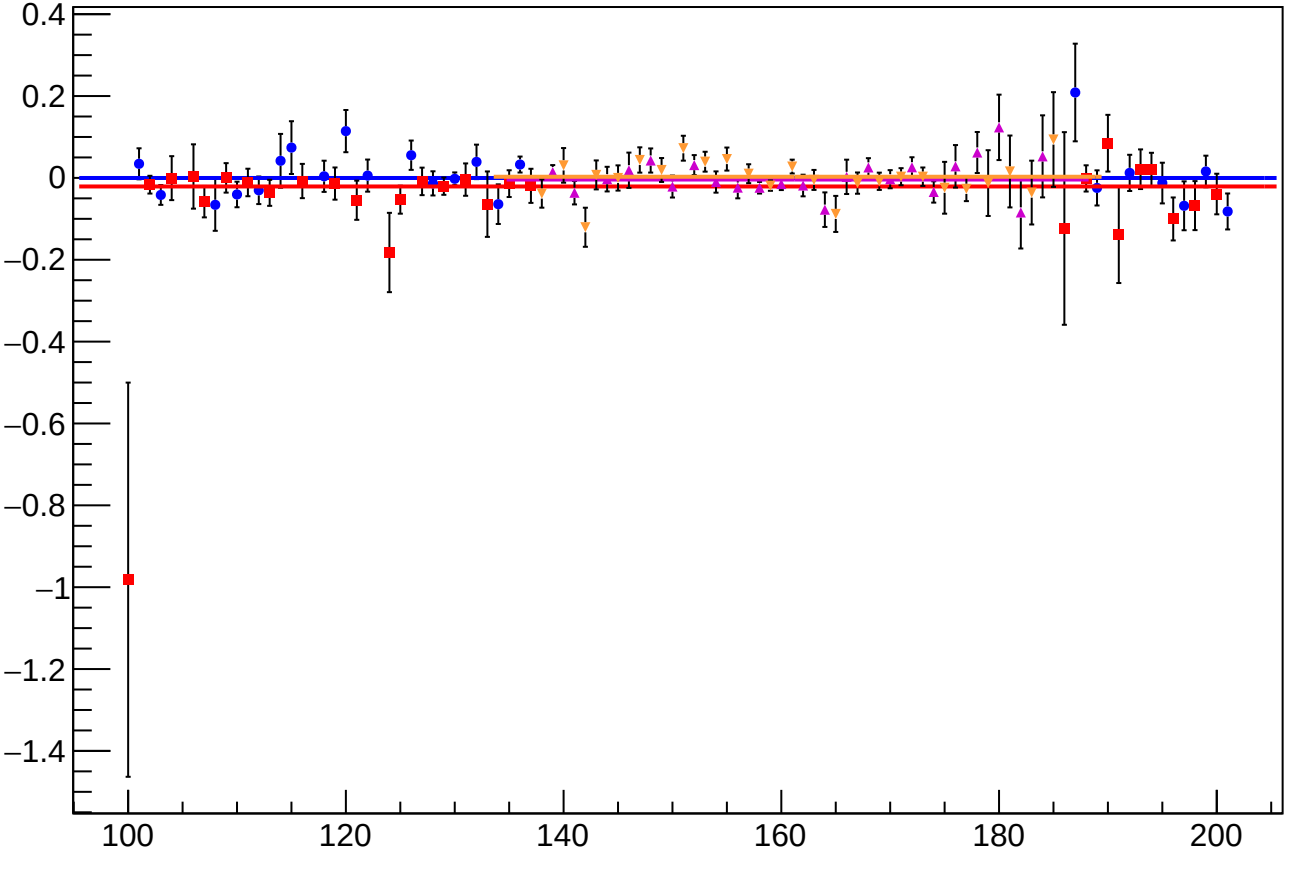
Right: 23.244+/-0.004 χ^2/NDF: 8016108.1/50

In: 21.148+/-0.003 χ^2/NDF:8506817.5/45

Out: 22.263+/-0.003 χ^2/NDF:9872419.3/52

All: 21.693+/-0.002 χ^2/NDF: 18444019.9/98

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: -0.021+/-0.008 χ^2/NDF: 19.4/27

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

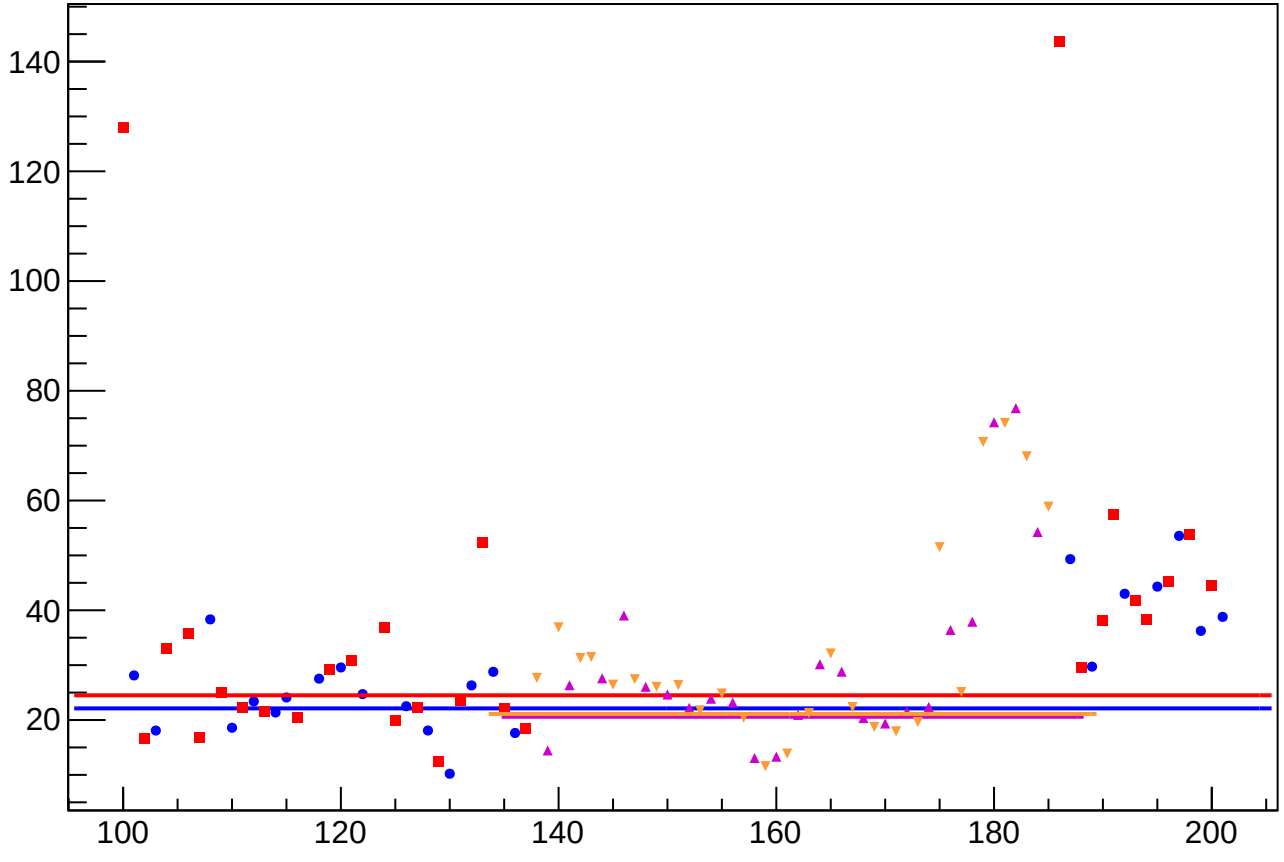
Right: -0.010+/-0.005 χ^2/NDF: 53.9/50

In: -0.003+/-0.004 χ^2/NDF:55.3/45

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 114.2/98

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: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

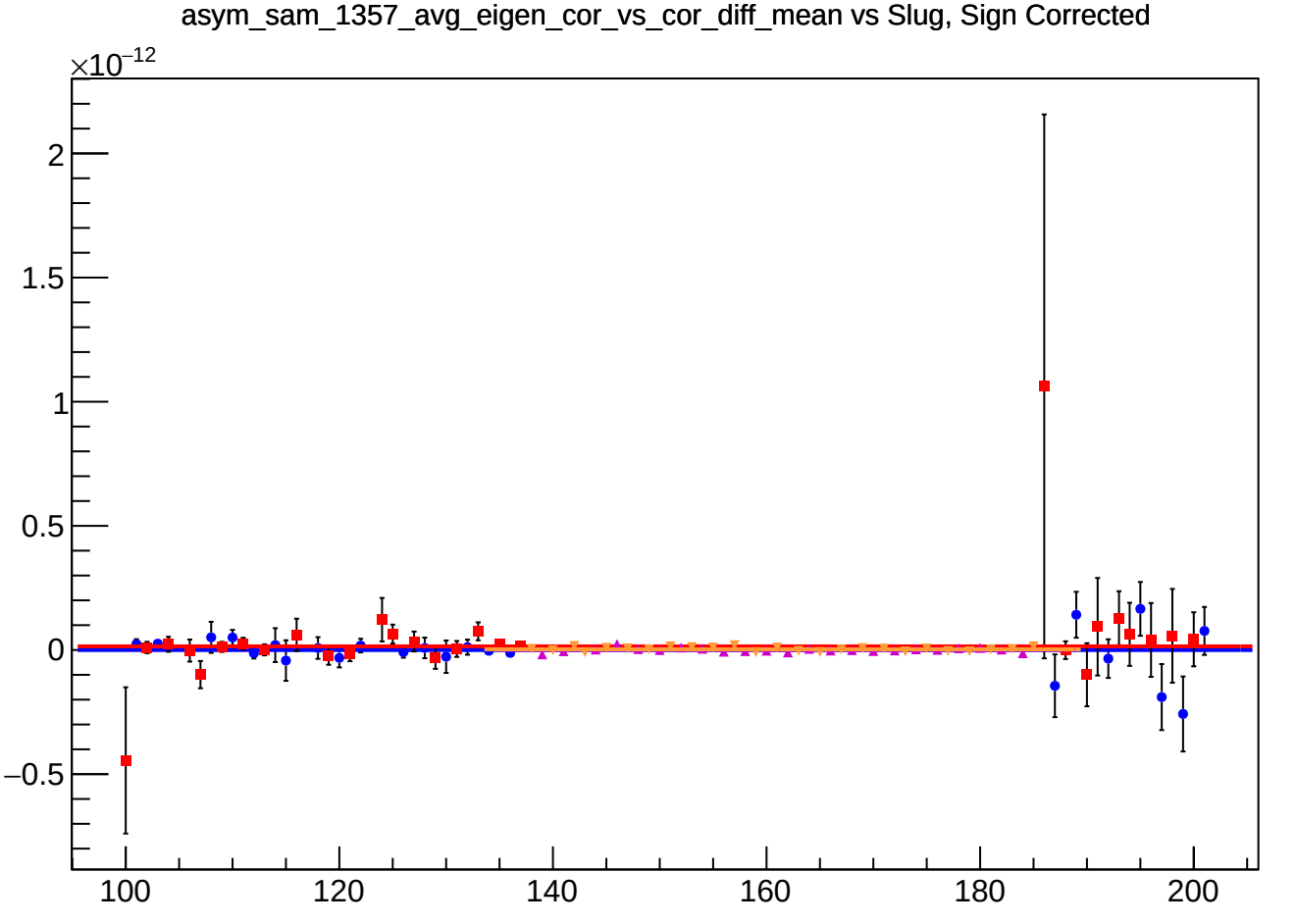
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.244+/-0.004 χ^2/NDF: 8016108.1/50

In: 21.148+/-0.003 χ^2/NDF:8506817.5/45

Out: 22.263+/-0.003 χ^2/NDF:9872419.3/52

All: 21.693+/-0.002 χ^2/NDF: 18444019.9/98



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: 21.1/27

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

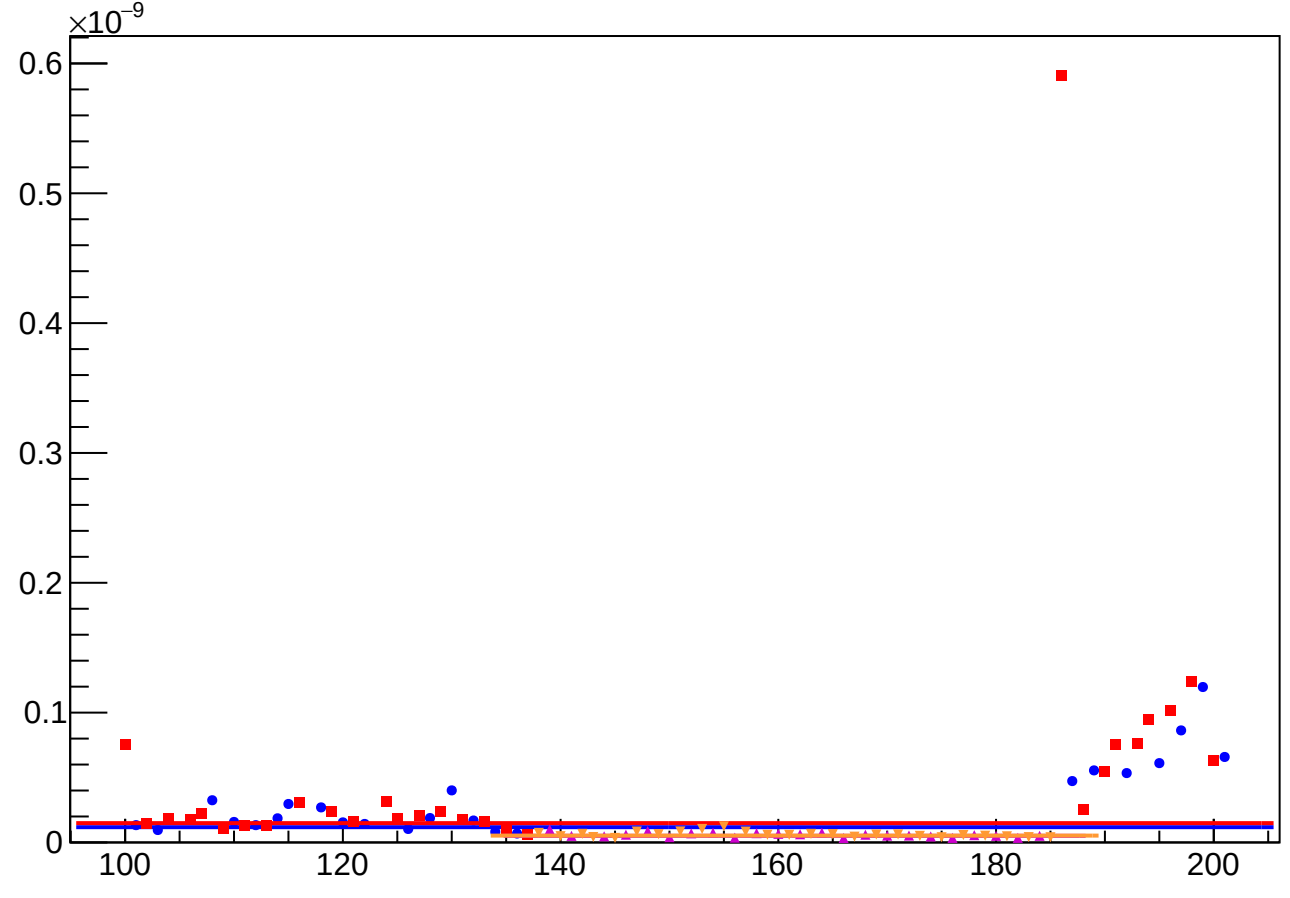
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.4/50

In: 0.000+/-0.000 χ^2/NDF:43.7/45

Out: 0.000+/-0.000 χ^2/NDF:45.1/52

All: 0.000+/-0.000 χ^2/NDF: 90.3/98



Right In: 0.000+/-0.000 χ^2/NDF: 5779752.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5786195.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

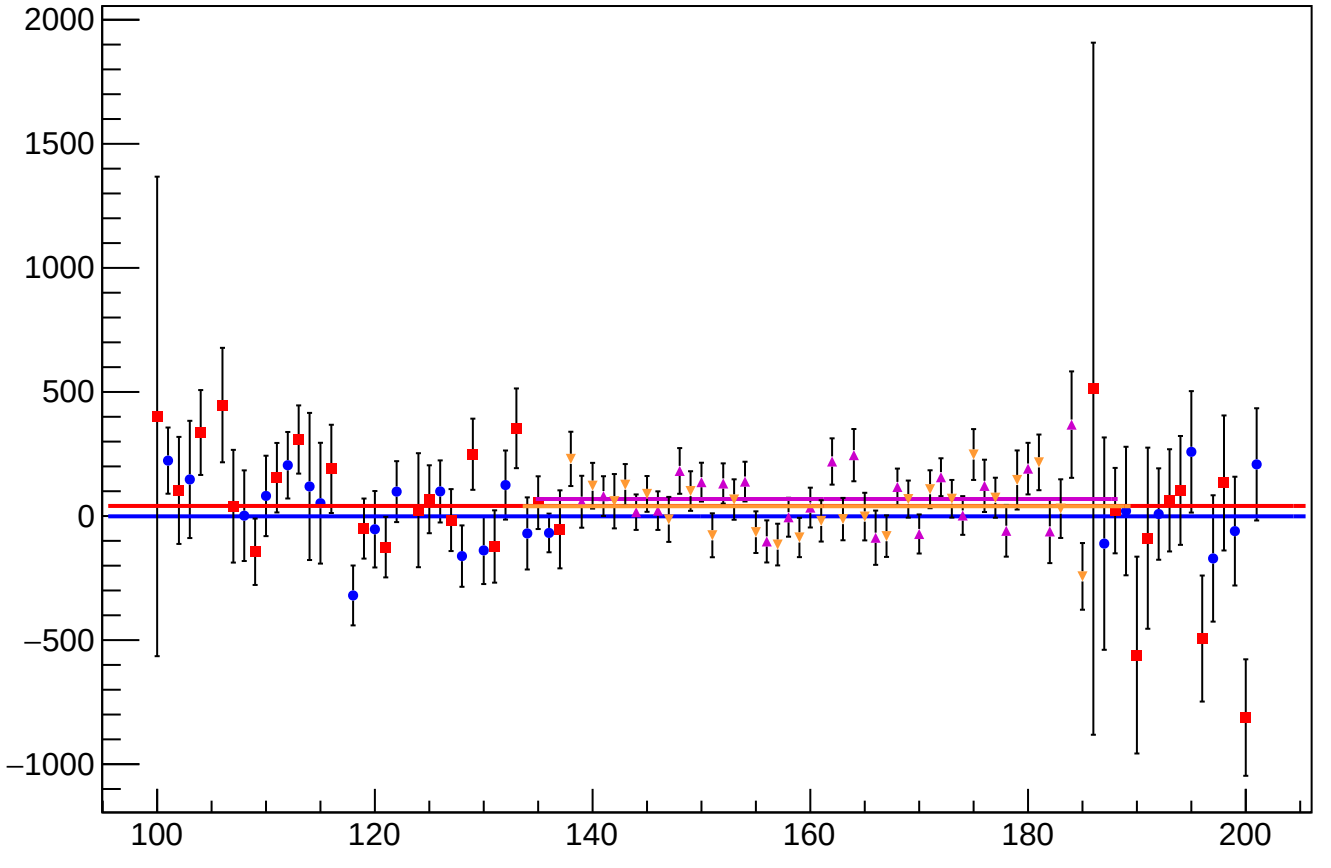
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11838166.9/50

In: 0.000+/-0.000 χ^2/NDF:10174295.8/45

Out: 0.000+/-0.000 χ^2/NDF:12138920.7/52

All: 0.000+/-0.000 χ^2/NDF: 22337565.5/98



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: 40.650+/-32.251 χ^2/NDF: 44.0/27

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

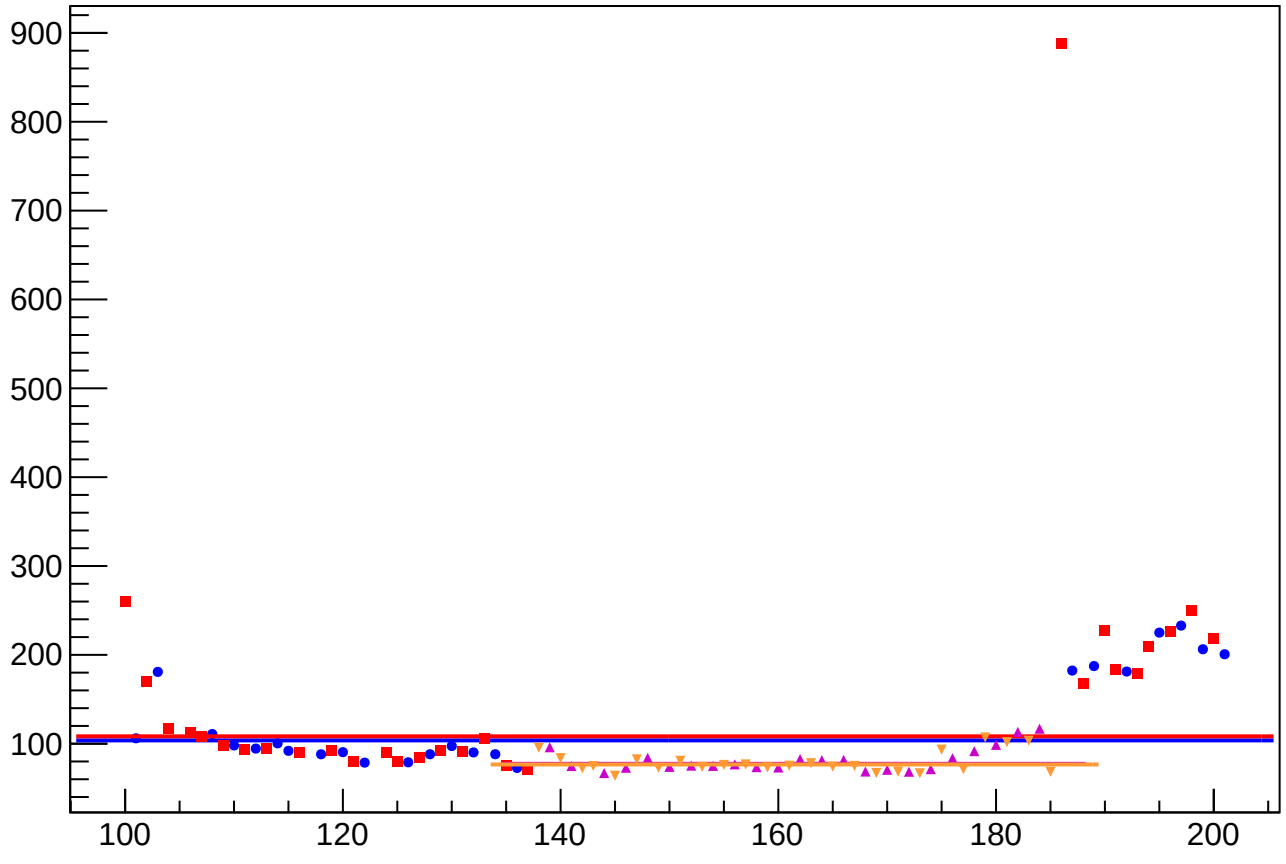
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 19.605+/-22.736 χ^2/NDF: 66.4/50

In: 51.439+/-15.904 χ^2/NDF:54.1/45

Out: 39.748+/-15.494 χ^2/NDF:75.9/52

All: 45.441+/-11.098 χ^2/NDF: 130.3/98



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: 108.299+/-0.023 χ^2/NDF: 4181009.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

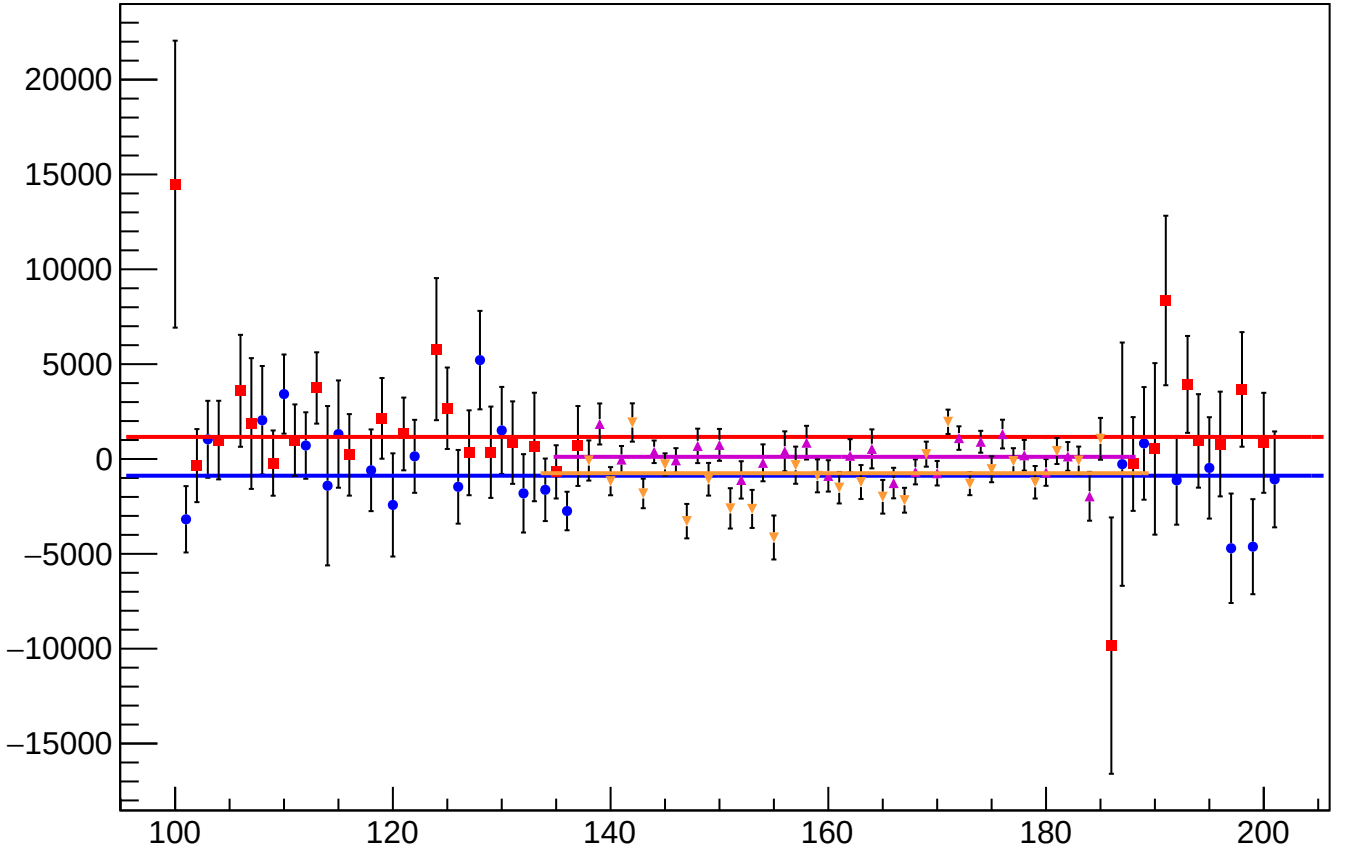
Right: 105.997+/-0.016 χ^2/NDF: 7481385.6/50

In: 83.840+/-0.011 χ^2/NDF:4891098.2/45

Out: 83.952+/-0.011 χ^2/NDF:6317468.8/52

All: 83.897+/-0.008 χ^2/NDF: 11208618.2/98

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1163.530+/-445.151 χ^2/NDF: 19.0/27

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

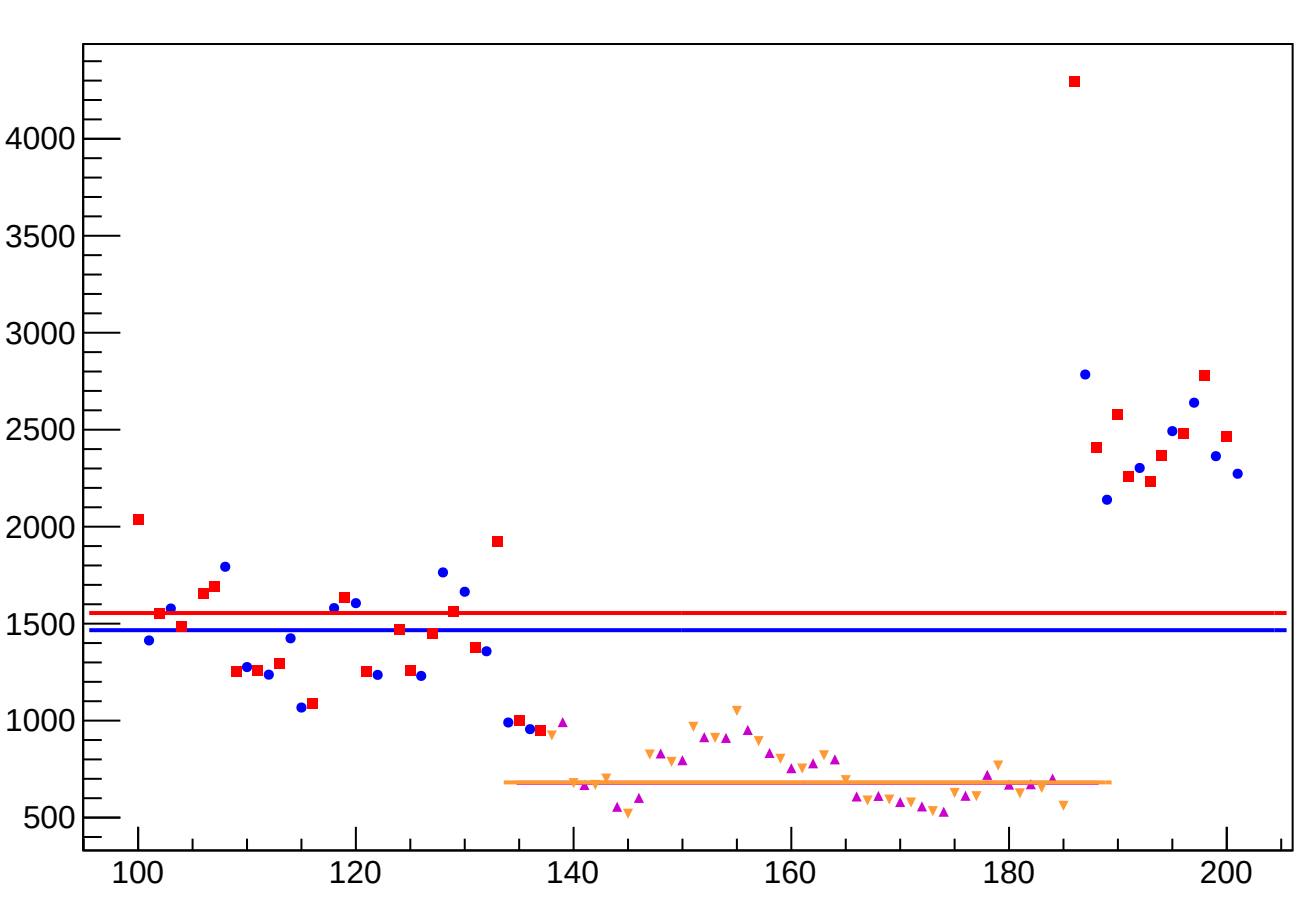
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

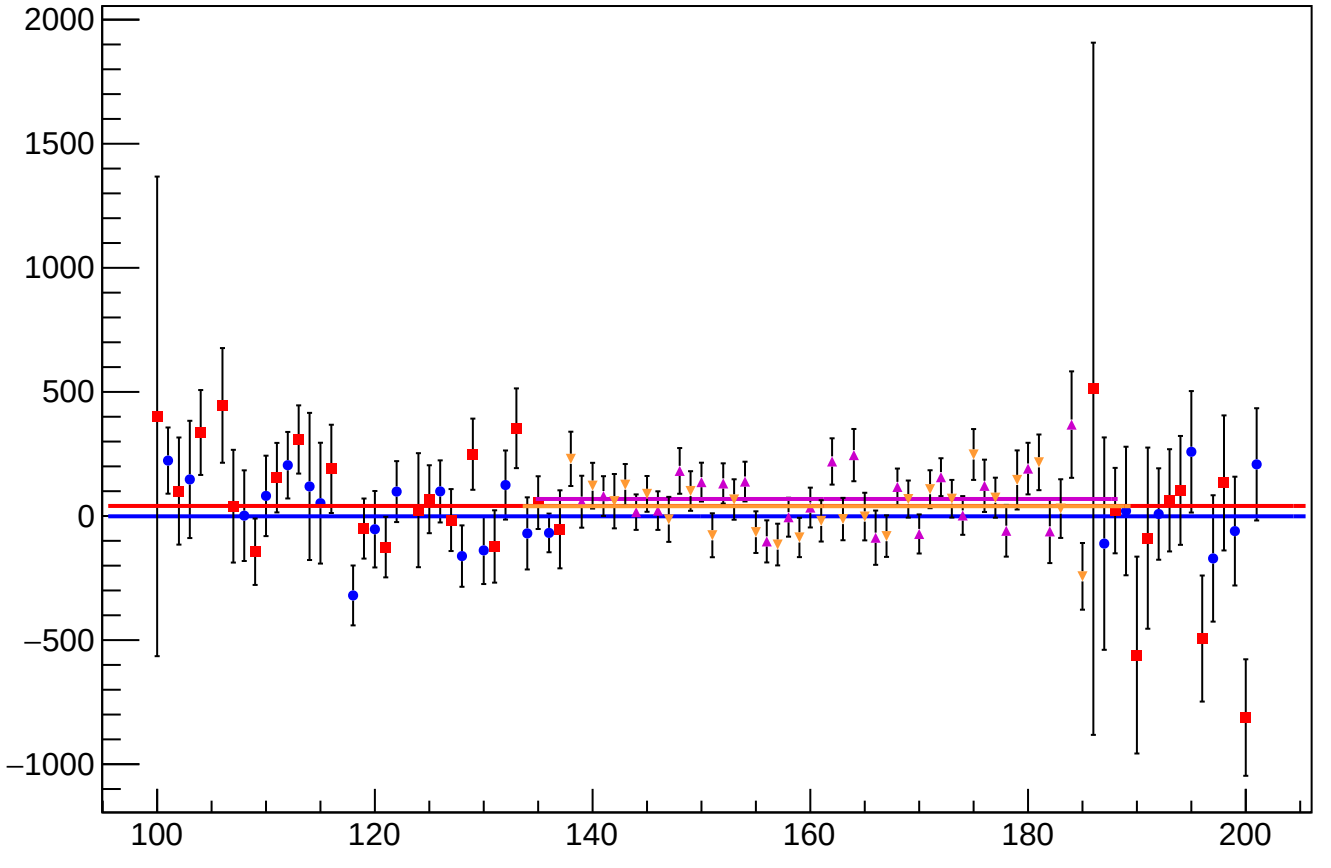
Right: 133.207+/-313.597 χ^2/NDF: 54.4/50

In: -3.942+/-151.941 χ^2/NDF:54.3/45

Out: -535.392+/-148.967 χ^2/NDF:105.4/52

All: -274.920+/-106.371 χ^2/NDF: 166.0/98


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1466.257+/-0.312 χ²/NDF: 2441158.9/22
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1554.758+/-0.315 χ²/NDF: 2748005.1/27
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1510.178+/-0.222 χ²/NDF: 5228984.1/50
In: 772.457+/-0.107 χ²/NDF:9218819.8/45
Out: 779.228+/-0.105 χ²/NDF:10918076.1/52
All: 775.909+/-0.075 χ²/NDF: 20138920.9/98



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: 40.526+/-32.252 χ^2/NDF: 43.9/27

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

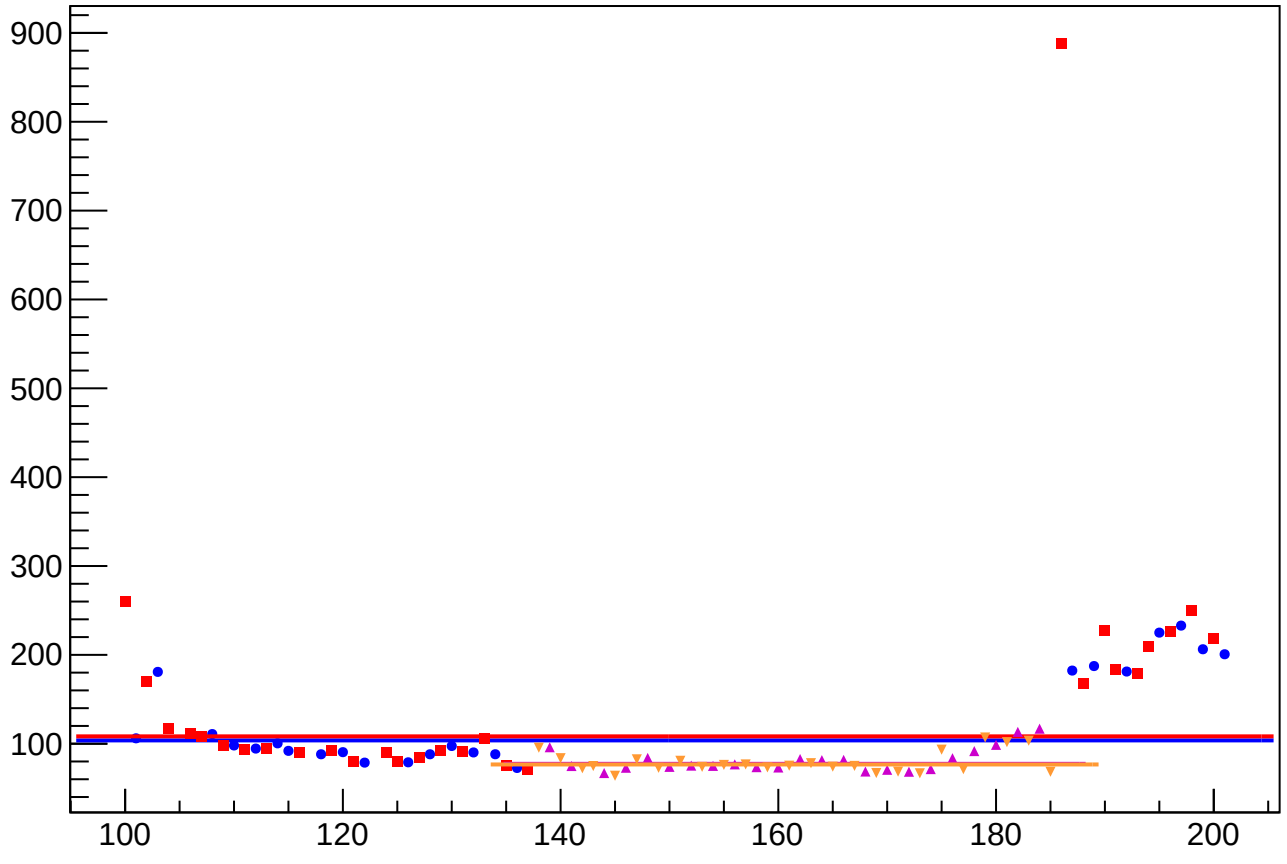
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 19.538+/-22.737 χ^2/NDF: 66.3/50

In: 51.436+/-15.904 χ^2/NDF:54.1/45

Out: 39.725+/-15.494 χ^2/NDF:75.9/52

All: 45.428+/-11.098 χ^2/NDF: 130.3/98



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: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

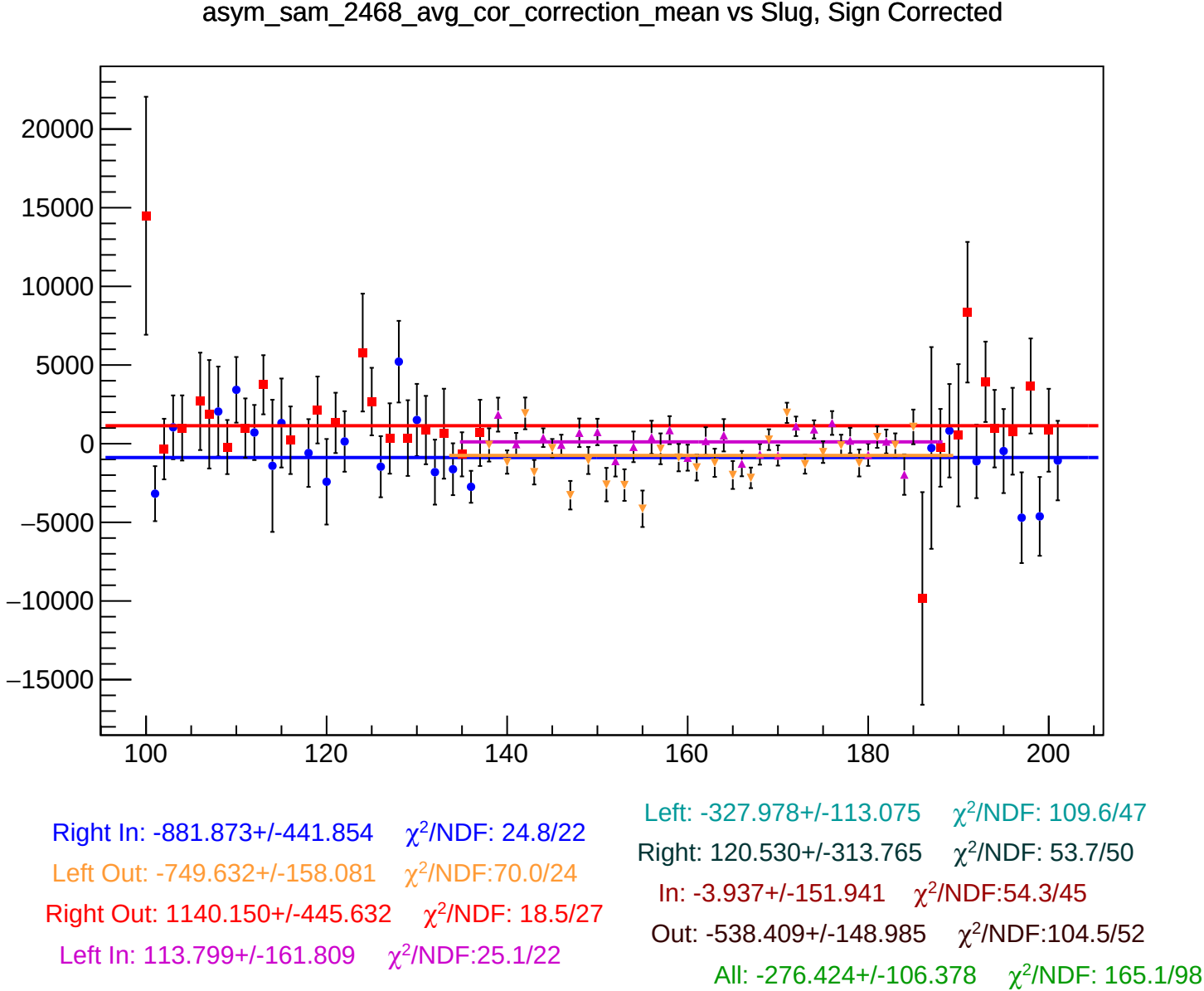
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

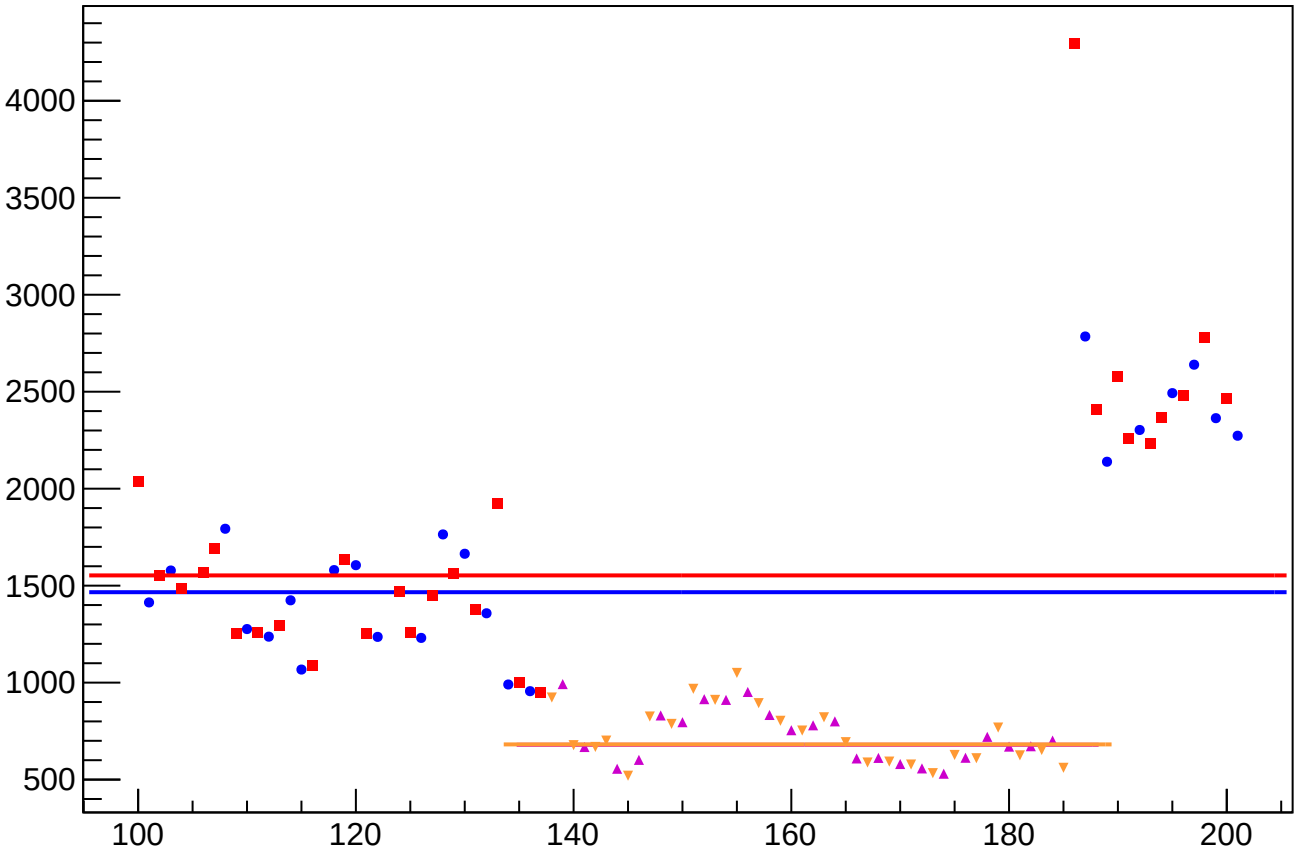
Right: 105.985+/-0.016 χ^2/NDF: 7481035.7/50

In: 83.840+/-0.011 χ^2/NDF:4891101.8/45

Out: 83.945+/-0.011 χ^2/NDF:6314834.3/52

All: 83.894+/-0.008 χ^2/NDF: 11205981.6/98


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -881.873+/-441.854 χ²/NDF: 24.8/22
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1140.150+/-445.632 χ²/NDF: 18.5/27
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 120.530+/-313.765 χ²/NDF: 53.7/50
In: -3.937+/-151.941 χ²/NDF:54.3/45
Out: -538.409+/-148.985 χ²/NDF:104.5/52
All: -276.424+/-106.378 χ²/NDF: 165.1/98



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: 1552.813+/-0.315 χ^2/NDF: 2745691.7/27

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

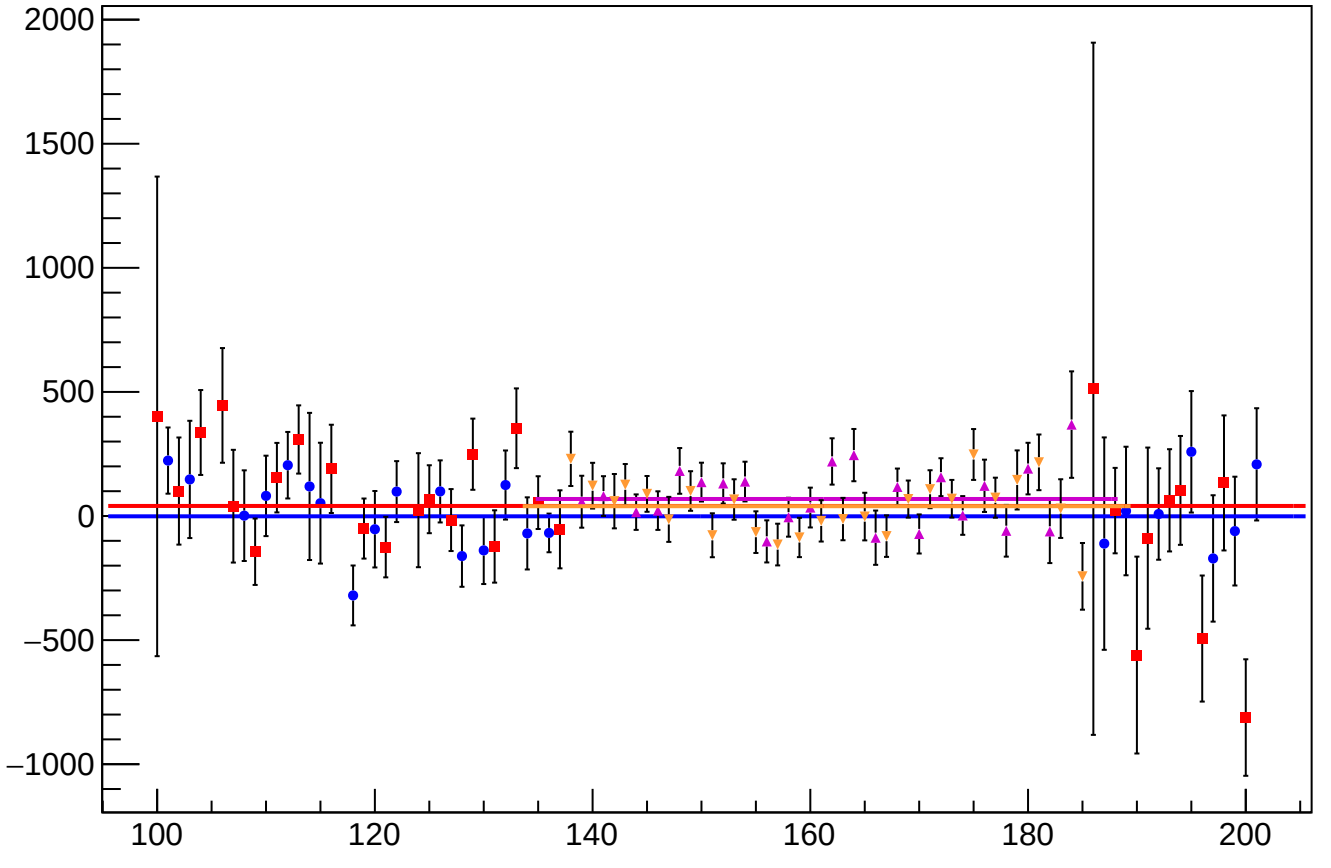
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1509.168+/-0.222 χ^2/NDF: 5224909.7/50

In: 772.457+/-0.107 χ^2/NDF:9218854.4/45

Out: 778.822+/-0.105 χ^2/NDF:10872300.9/52

All: 775.702+/-0.075 χ^2/NDF: 20092944.9/98



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: 40.526+/-32.252 χ^2/NDF: 43.9/27

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

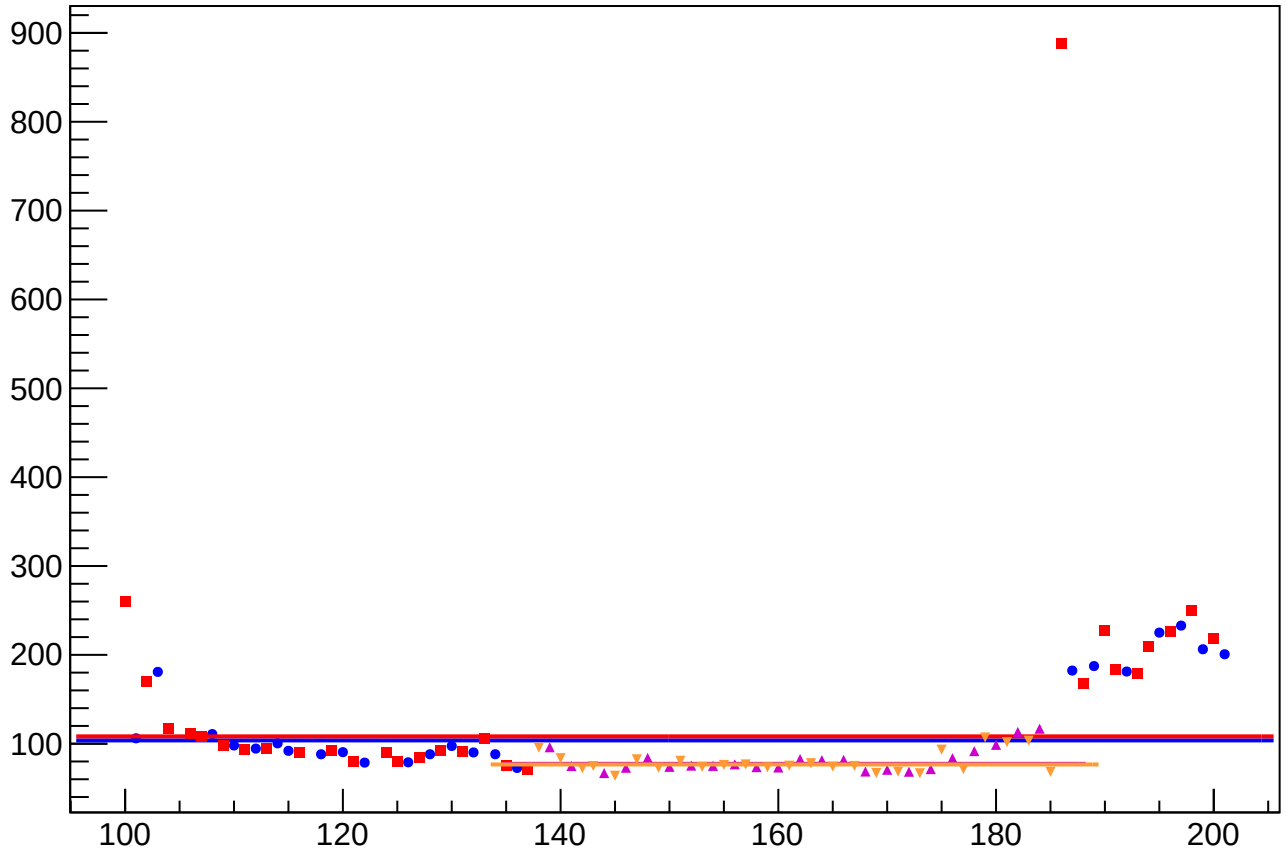
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 19.538+/-22.737 χ^2/NDF: 66.3/50

In: 51.436+/-15.904 χ^2/NDF:54.1/45

Out: 39.725+/-15.494 χ^2/NDF:75.9/52

All: 45.428+/-11.098 χ^2/NDF: 130.3/98



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: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

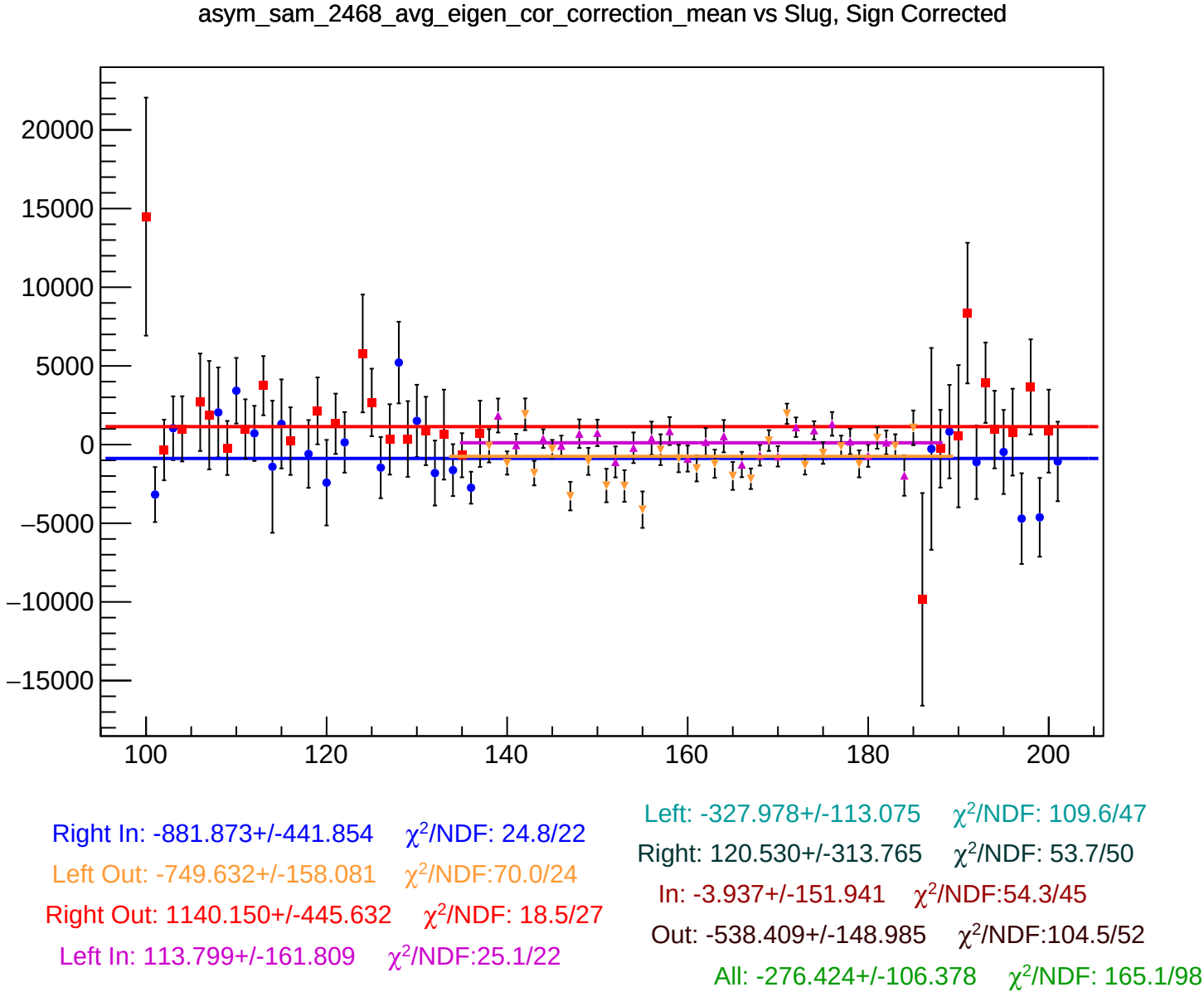
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

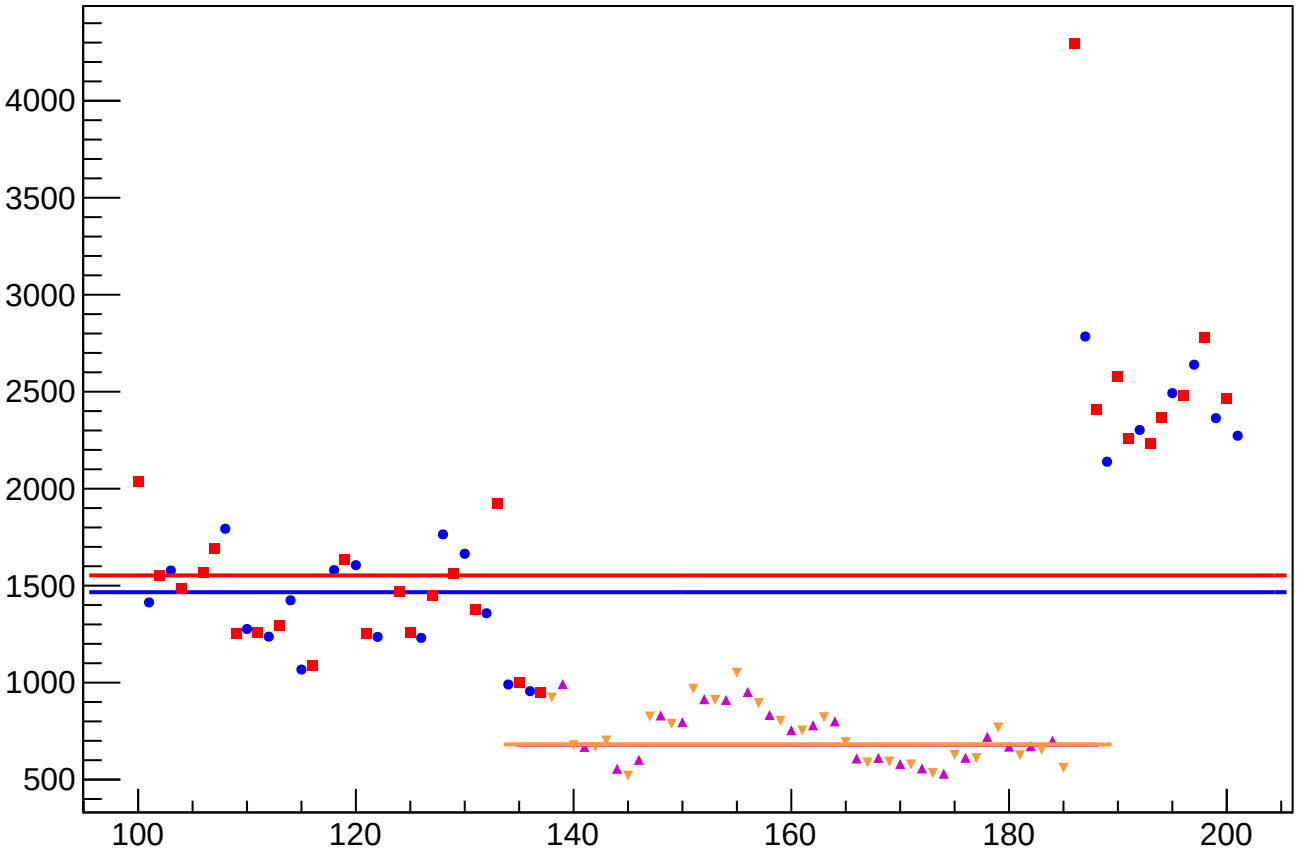
Right: 105.985+/-0.016 χ^2/NDF: 7481035.7/50

In: 83.840+/-0.011 χ^2/NDF:4891101.8/45

Out: 83.945+/-0.011 χ^2/NDF:6314834.3/52

All: 83.894+/-0.008 χ^2/NDF: 11205981.6/98


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -881.873+/-441.854 χ²/NDF: 24.8/22
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1140.150+/-445.632 χ²/NDF: 18.5/27
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 120.530+/-313.765 χ²/NDF: 53.7/50
In: -3.937+/-151.941 χ²/NDF:54.3/45
Out: -538.409+/-148.985 χ²/NDF:104.5/52
All: -276.424+/-106.378 χ²/NDF: 165.1/98



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: 1552.813+/-0.315 χ^2/NDF: 2745691.7/27

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

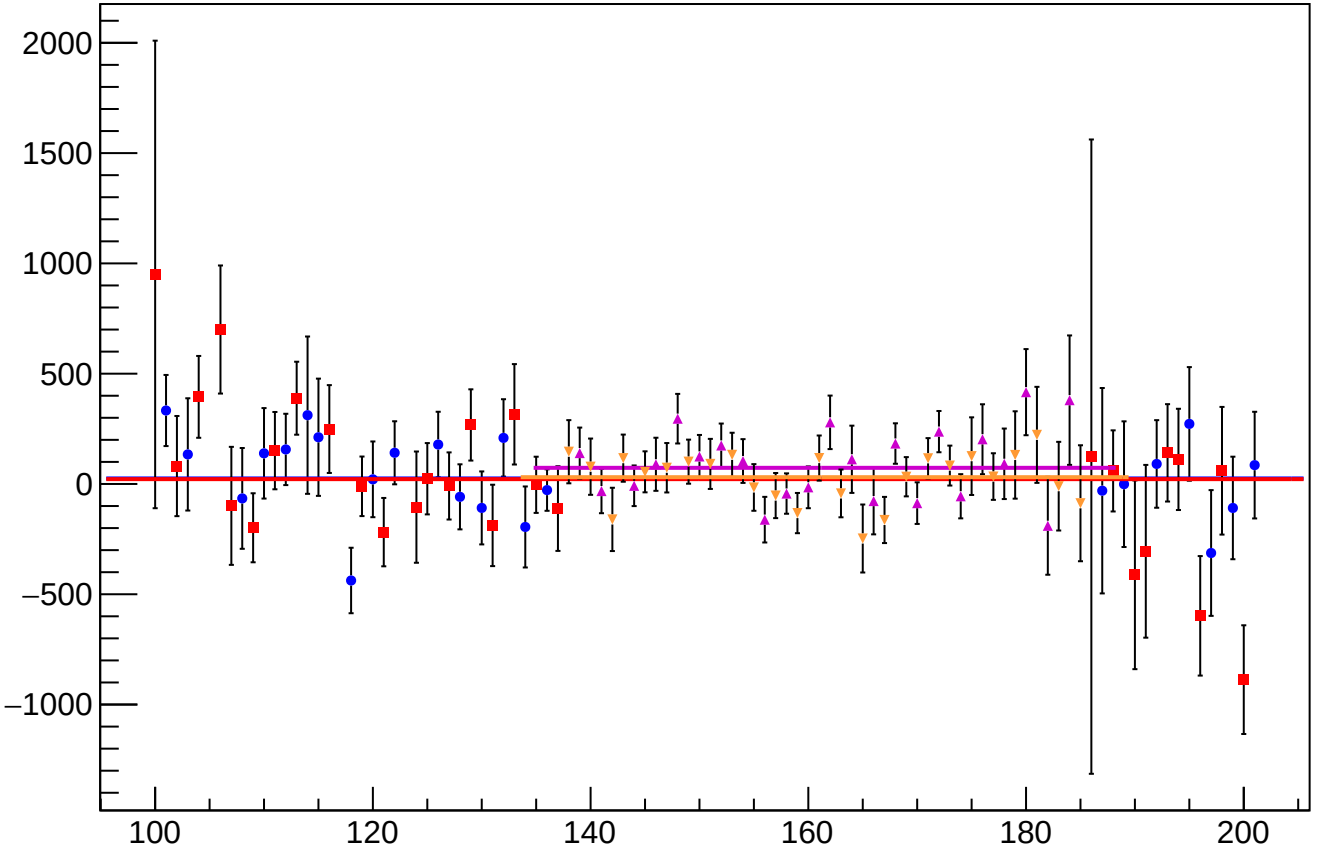
Right: 1509.168+/-0.222 χ^2/NDF: 5224909.7/50

In: 772.457+/-0.107 χ^2/NDF:9218854.4/45

Out: 778.822+/-0.105 χ^2/NDF:10872300.9/52

All: 775.702+/-0.075 χ^2/NDF: 20092944.9/98

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: 21.893+/-37.704 χ^2/NDF: 48.9/27

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

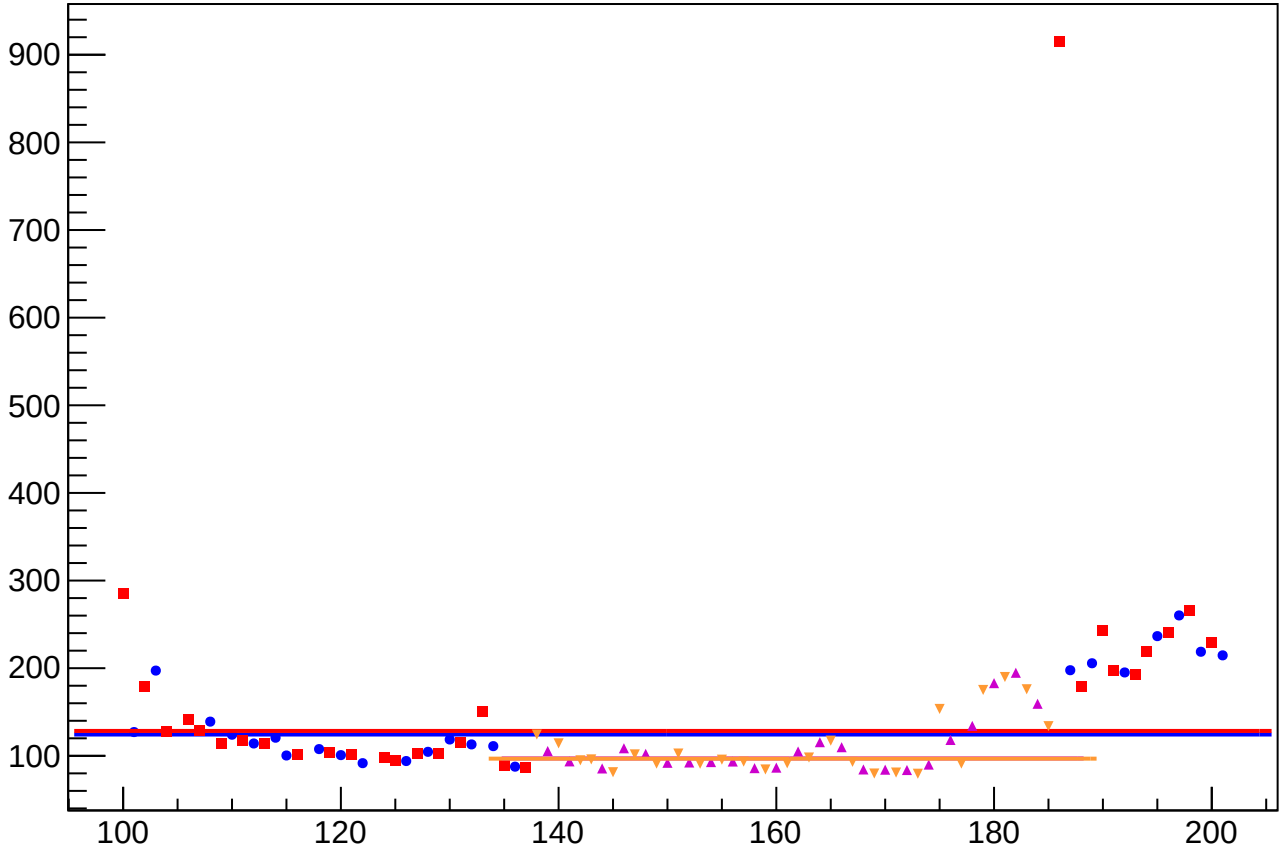
Right: 23.403+/-26.752 χ^2/NDF: 73.1/50

In: 59.782+/-19.988 χ^2/NDF:59.9/45

Out: 28.322+/-19.545 χ^2/NDF:68.9/52

All: 43.700+/-13.974 χ^2/NDF: 130.0/98

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: 128.414+/-0.027 χ^2/NDF: 3463532.1/27

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

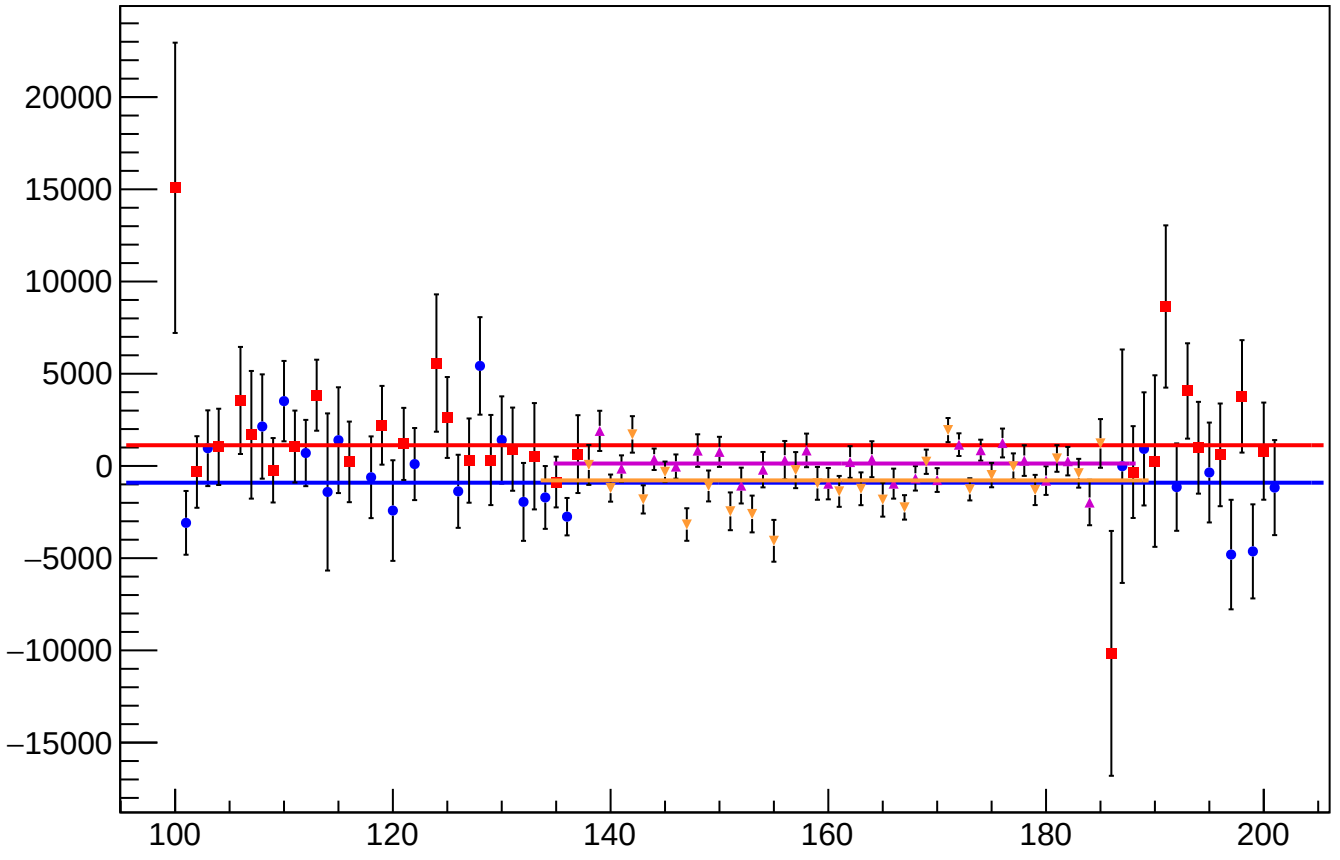
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 126.383+/-0.019 χ^2/NDF: 6195564.6/50

In: 104.586+/-0.014 χ^2/NDF:4789436.3/45

Out: 105.291+/-0.014 χ^2/NDF:6212566.1/52

All: 104.947+/-0.010 χ^2/NDF: 11003274.5/98



Right In: -908.536+/-448.395 χ^2/NDF: 24.6/22

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1123.195+/-449.384 χ^2/NDF: 20.1/27

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

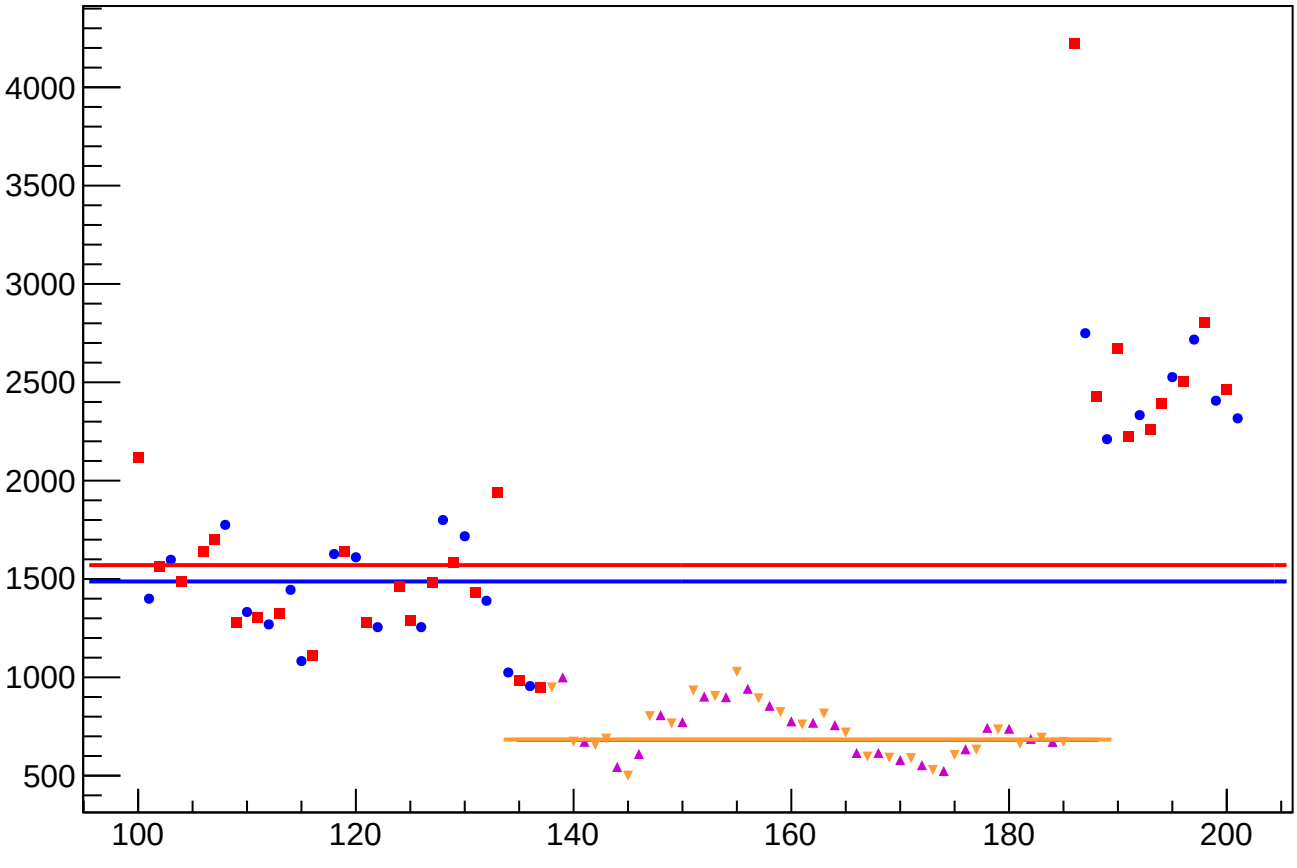
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 105.093+/-317.412 χ^2/NDF: 54.9/50

In: 10.776+/-152.702 χ^2/NDF:53.6/45

Out: -573.181+/-149.331 χ^2/NDF:102.5/52

All: -287.718+/-106.765 χ^2/NDF: 163.5/98



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: 1570.464+/-0.318 χ^2/NDF: 2751697.3/27

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

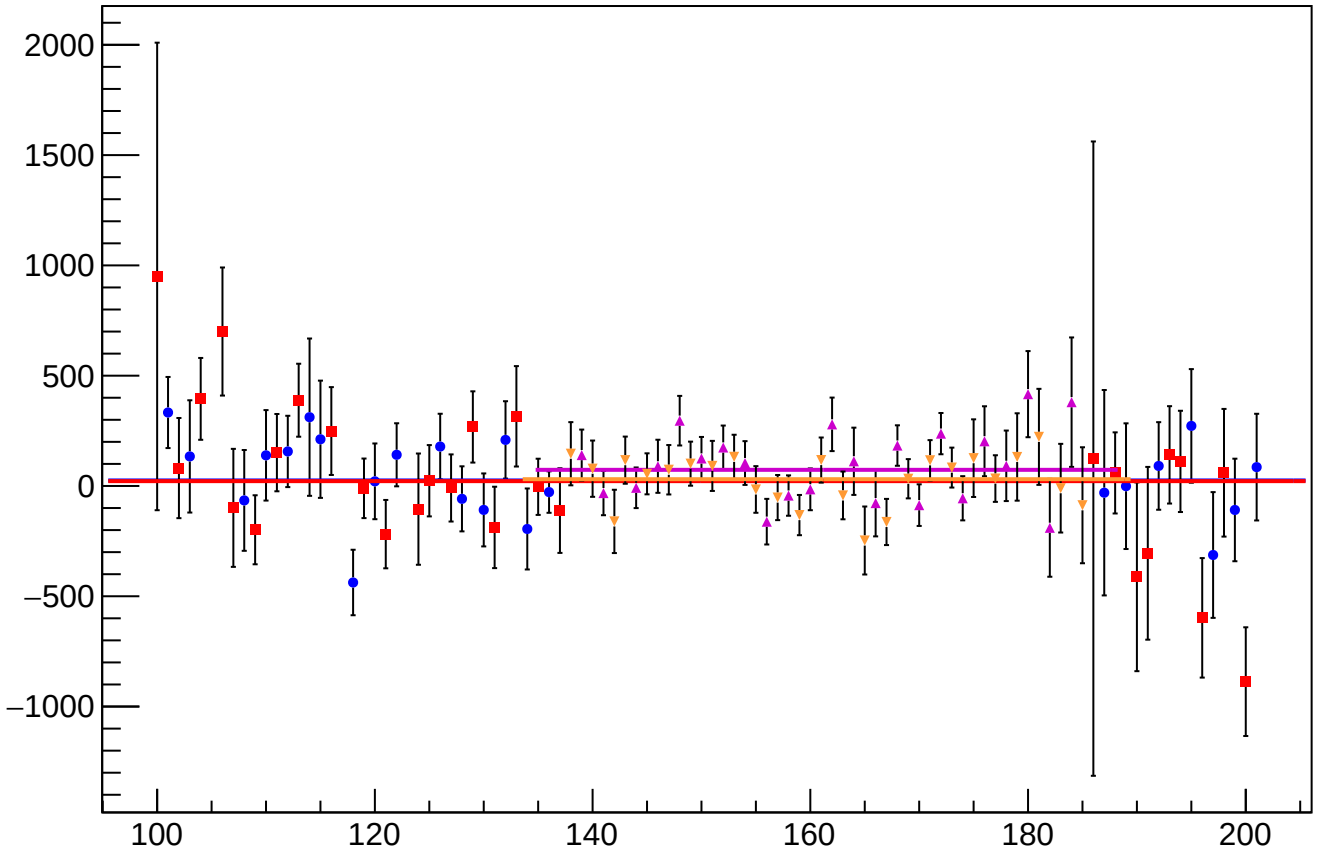
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1528.849+/-0.224 χ^2/NDF: 5263140.2/50

In: 775.374+/-0.108 χ^2/NDF:9368336.6/45

Out: 781.619+/-0.106 χ^2/NDF:10977492.1/52

All: 778.566+/-0.075 χ^2/NDF: 20347538.5/98



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: 21.892+/-37.704 χ^2/NDF: 48.9/27

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

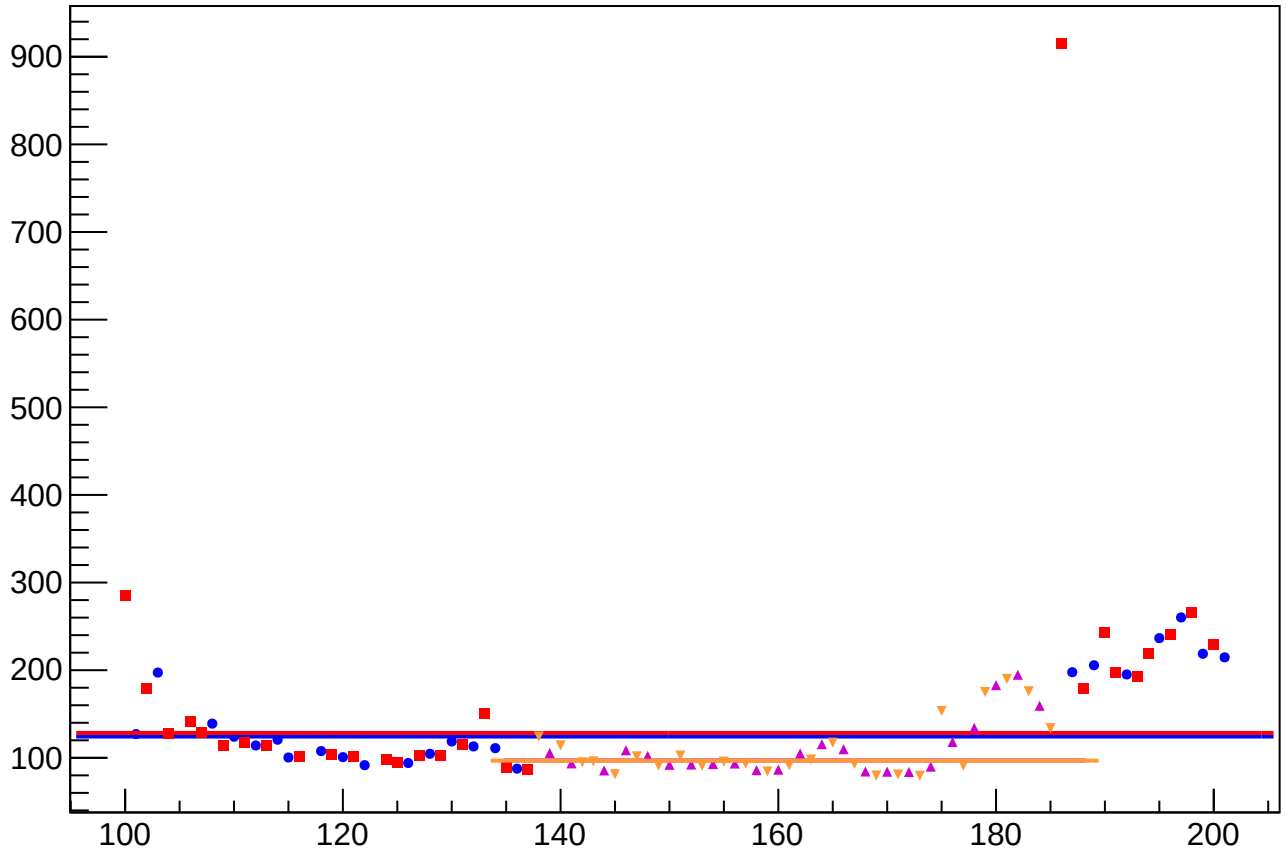
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 23.403+/-26.752 χ^2/NDF: 73.1/50

In: 59.782+/-19.988 χ^2/NDF:59.9/45

Out: 28.322+/-19.545 χ^2/NDF:68.9/52

All: 43.699+/-13.974 χ^2/NDF: 130.0/98



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: 128.413+/-0.027 χ^2/NDF: 3463556.8/27

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

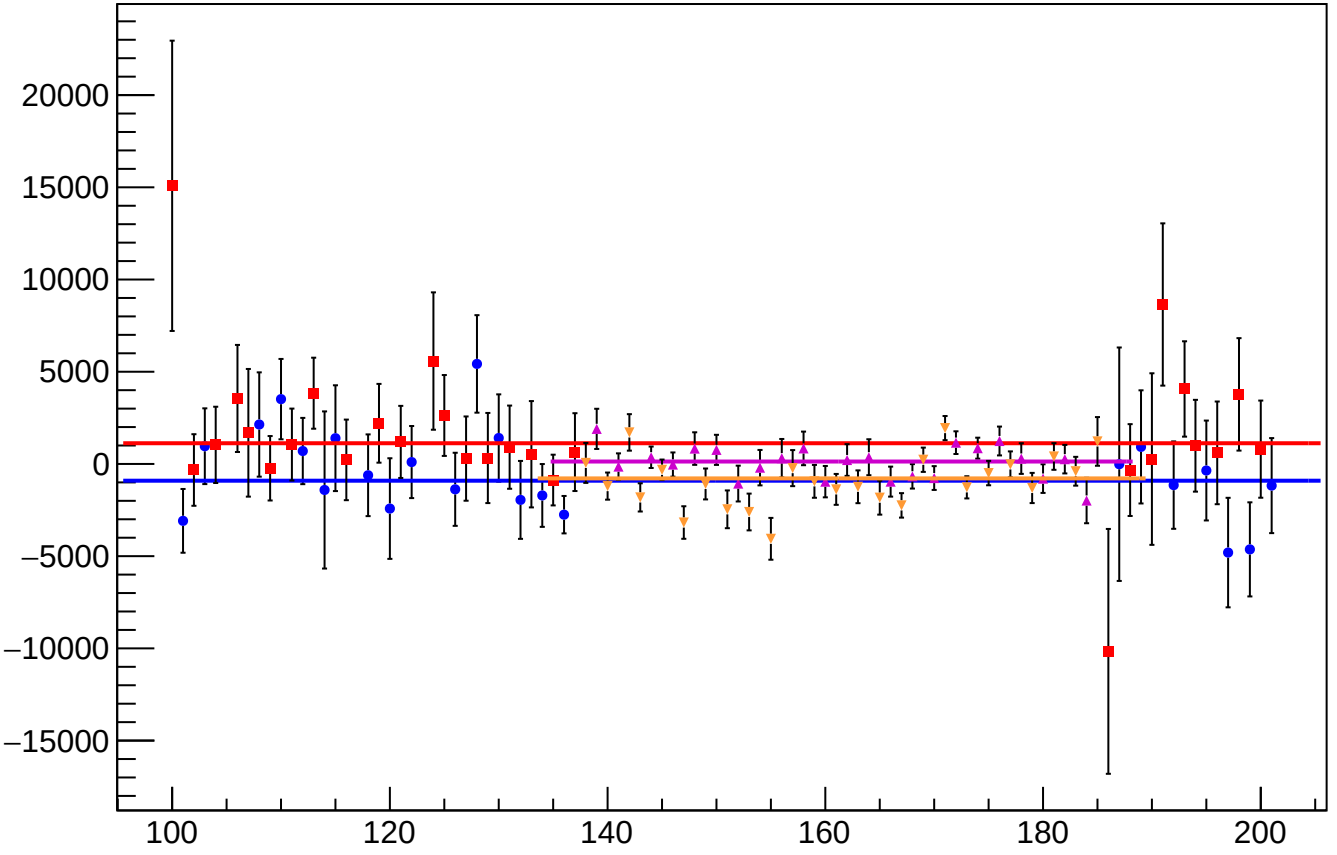
Right: 126.382+/-0.019 χ^2/NDF: 6195604.2/50

In: 104.586+/-0.014 χ^2/NDF:4789376.6/45

Out: 105.291+/-0.014 χ^2/NDF:6212531.1/52

All: 104.947+/-0.010 χ^2/NDF: 11003179.9/98

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: 1123.193+/-449.383 χ^2/NDF: 20.1/27

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

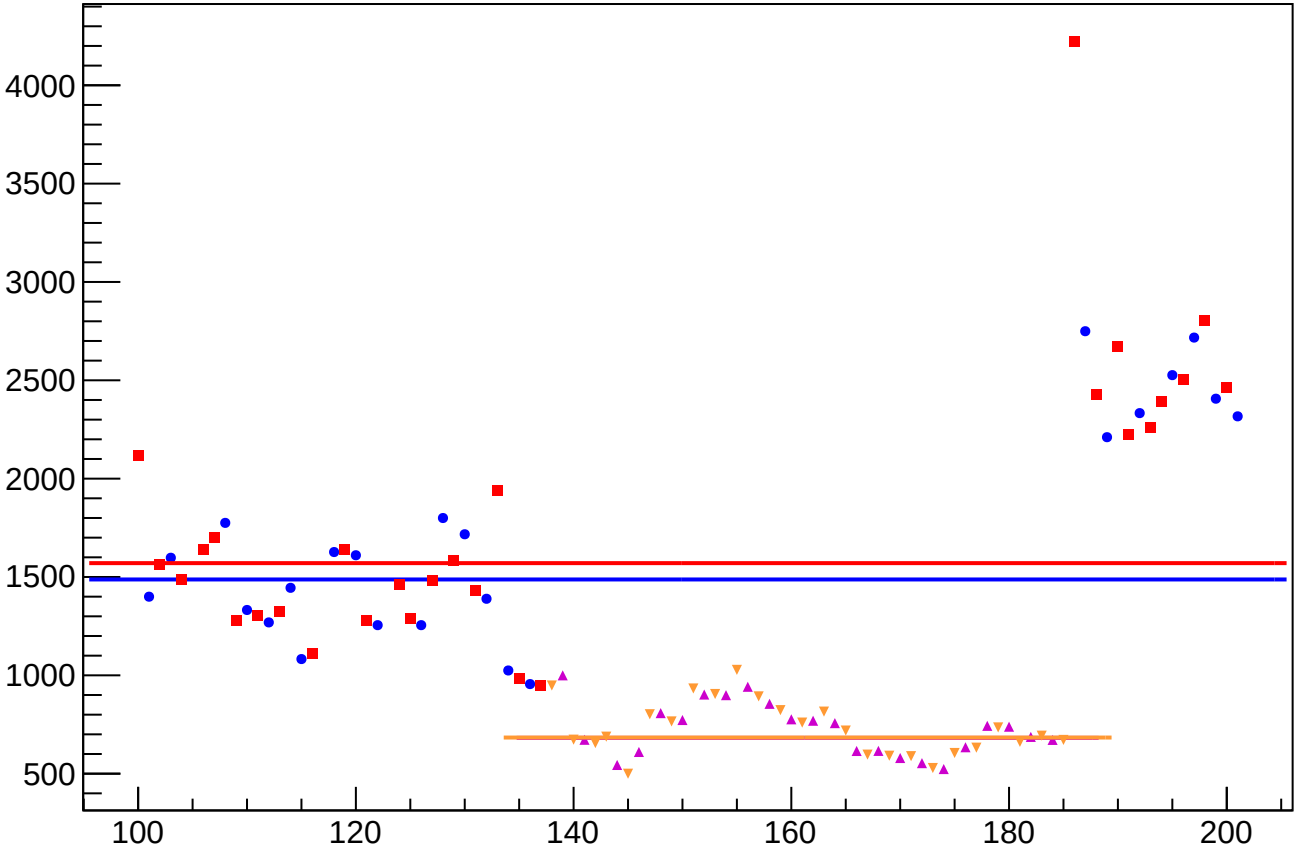
Right: 105.095+/-317.411 χ^2/NDF: 54.9/50

In: 10.776+/-152.701 χ^2/NDF:53.6/45

Out: -573.179+/-149.331 χ^2/NDF:102.5/52

All: -287.717+/-106.765 χ^2/NDF: 163.5/98

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: 1570.461+/-0.318 χ^2/NDF: 2751705.0/27

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

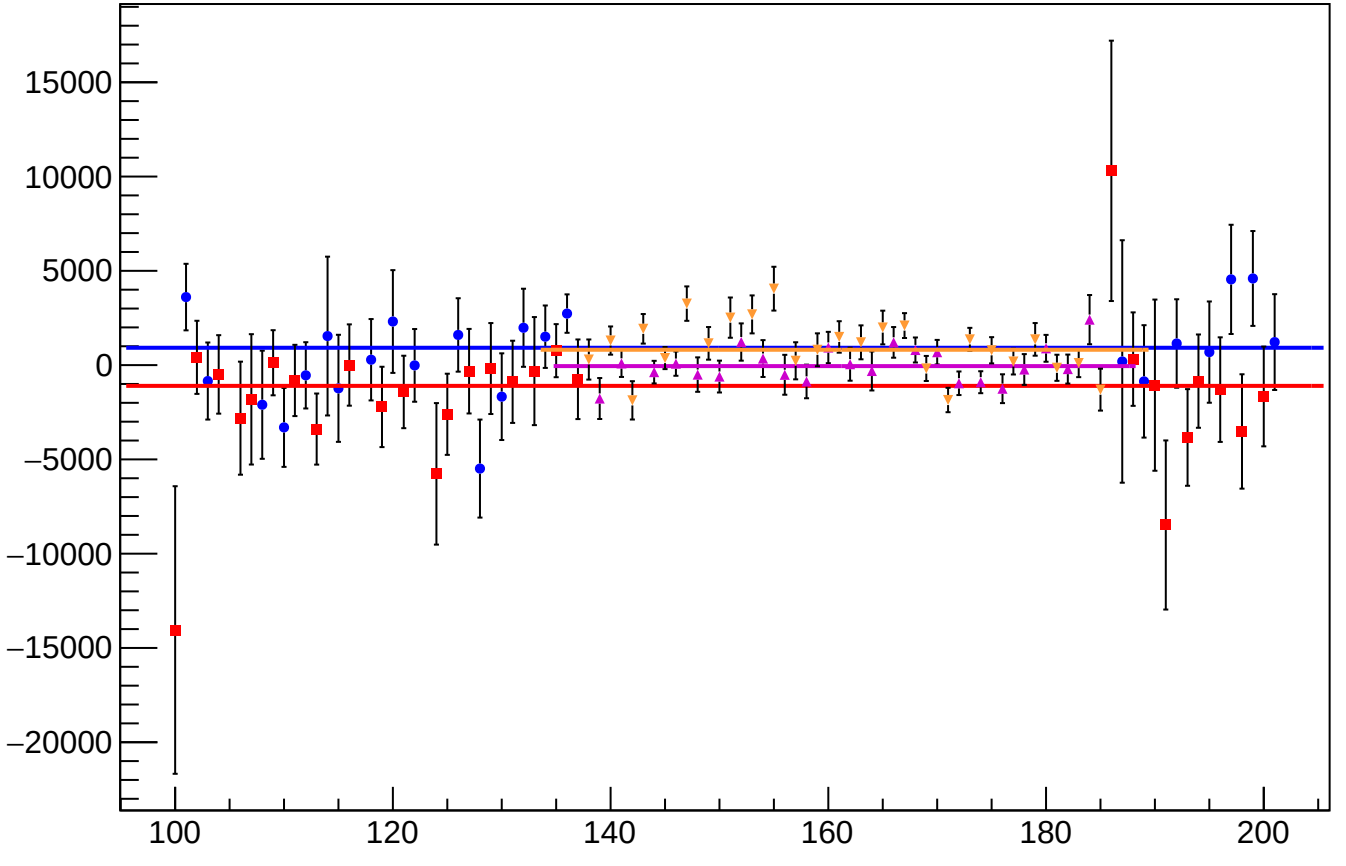
Right: 1528.845+/-0.224 χ^2/NDF: 5263152.6/50

In: 775.372+/-0.108 χ^2/NDF:9368342.4/45

Out: 781.617+/-0.106 χ^2/NDF:10977503.6/52

All: 778.565+/-0.075 χ^2/NDF: 20347555.8/98

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: -1100.828+/-446.742 χ^2/NDF: 18.3/27

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

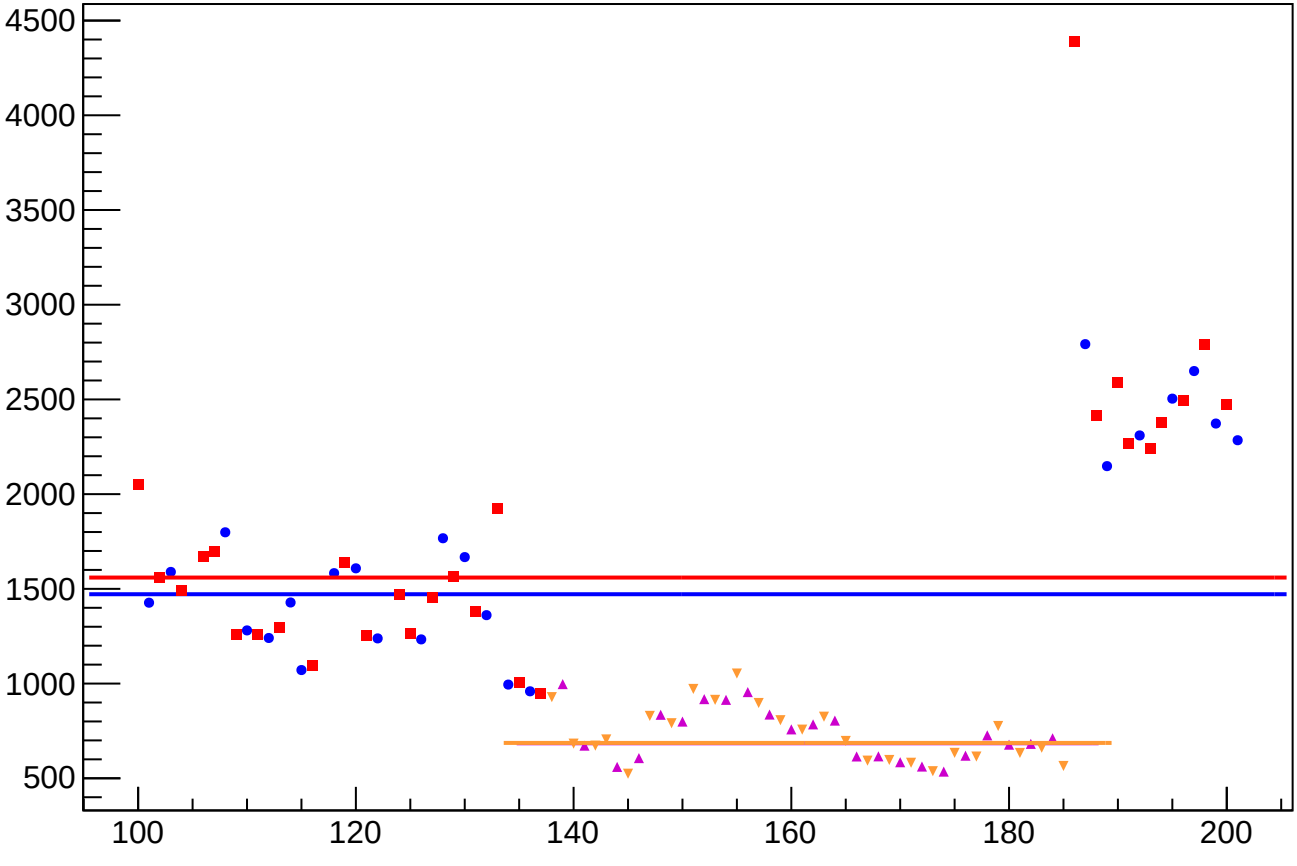
Right: -82.825+/-314.736 χ^2/NDF: 53.8/50

In: 63.514+/-153.023 χ^2/NDF:54.9/45

Out: 598.160+/-150.009 χ^2/NDF:100.4/52

All: 336.153+/-107.122 χ^2/NDF: 161.5/98

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: 1559.665+/-0.316 χ^2/NDF: 2760053.7/27

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

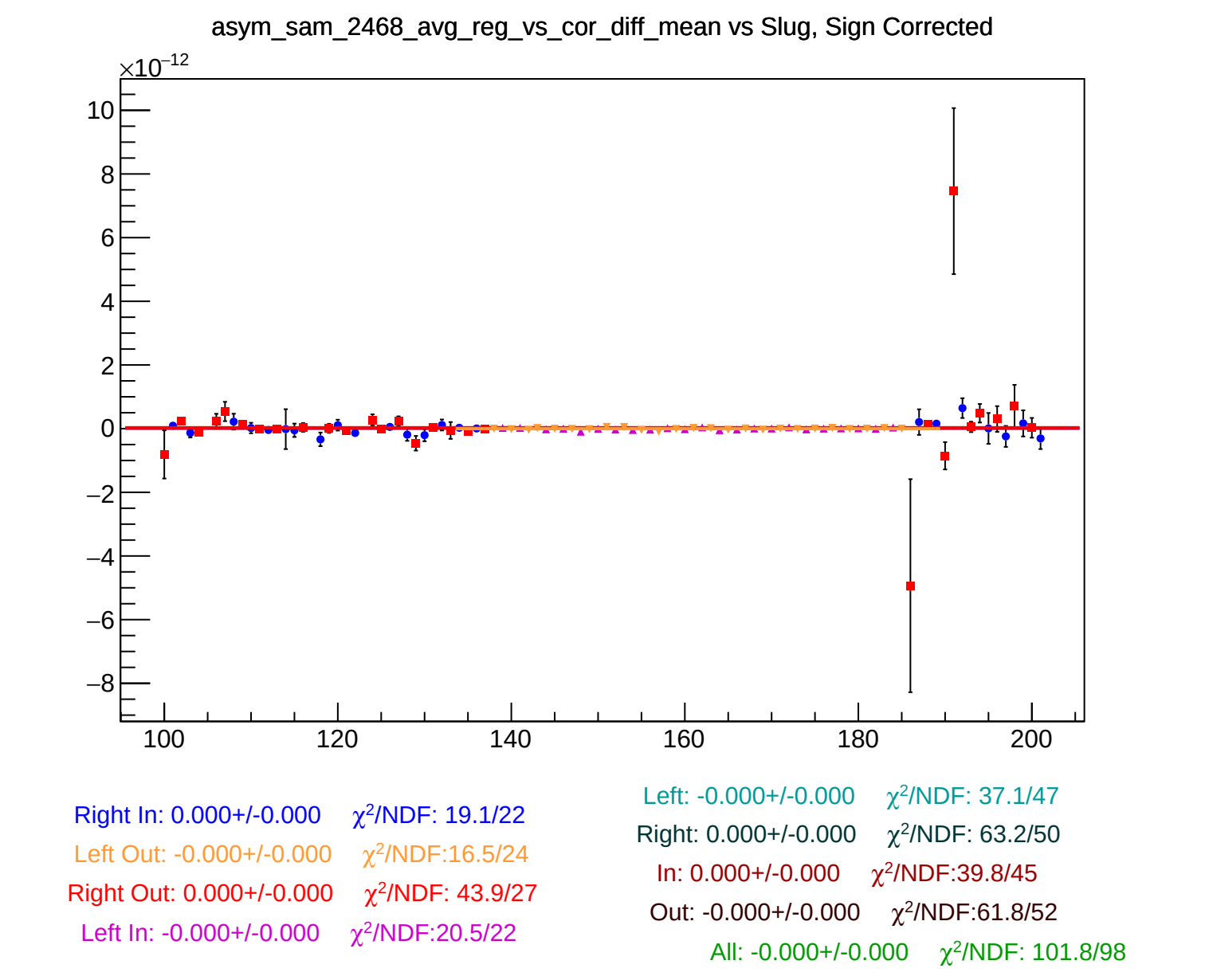
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

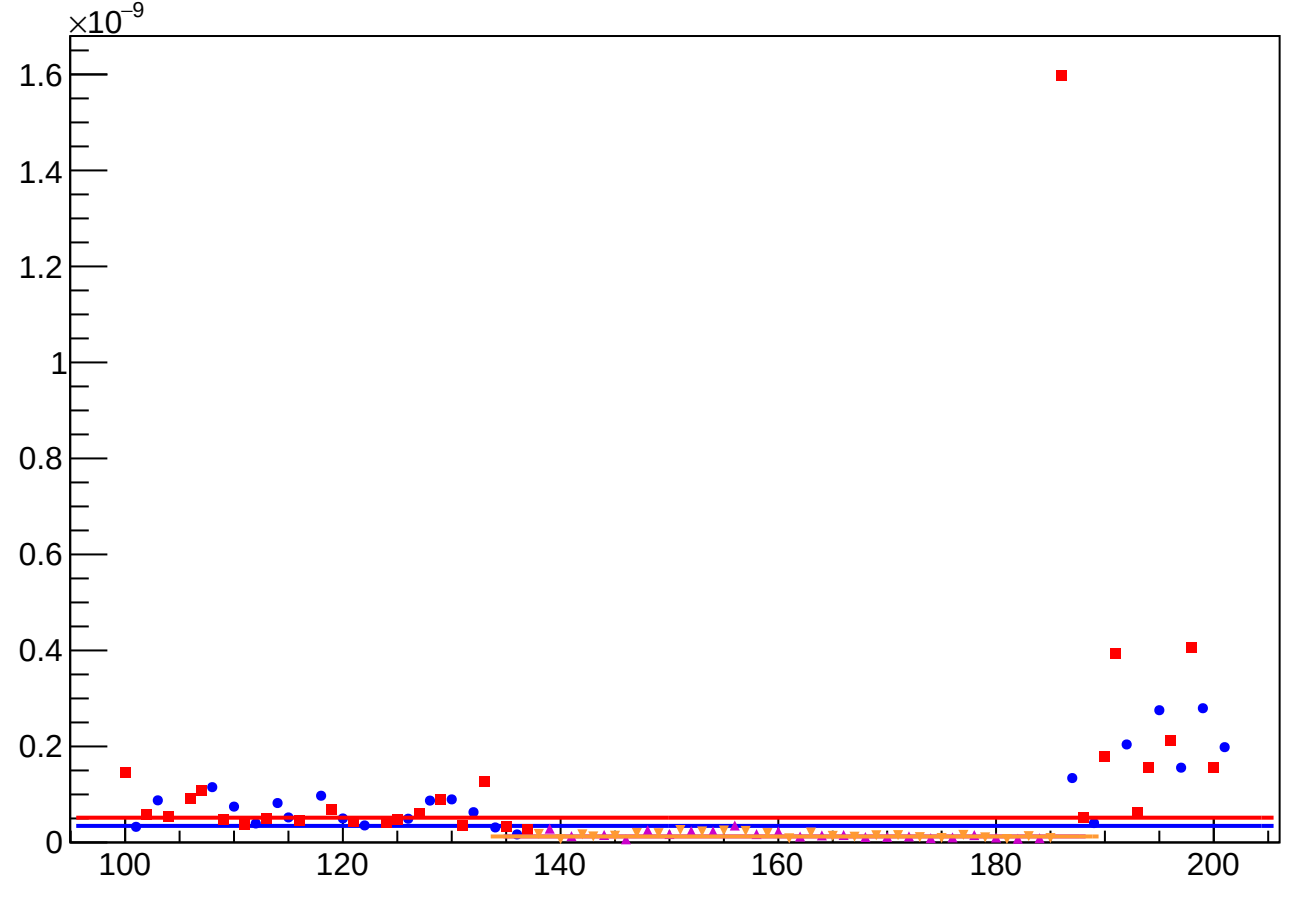
Right: 1515.334+/-0.223 χ^2/NDF: 5242349.5/50

In: 778.448+/-0.108 χ^2/NDF:9155187.4/45

Out: 785.128+/-0.106 χ^2/NDF:10847992.9/52

All: 781.854+/-0.076 χ^2/NDF: 20005124.2/98


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.1/22
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.9/27
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 63.2/50
In: 0.000+/-0.000 χ²/NDF:39.8/45
Out: -0.000+/-0.000 χ²/NDF:61.8/52
All: -0.000+/-0.000 χ²/NDF: 101.8/98



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: 2776190.3/27

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

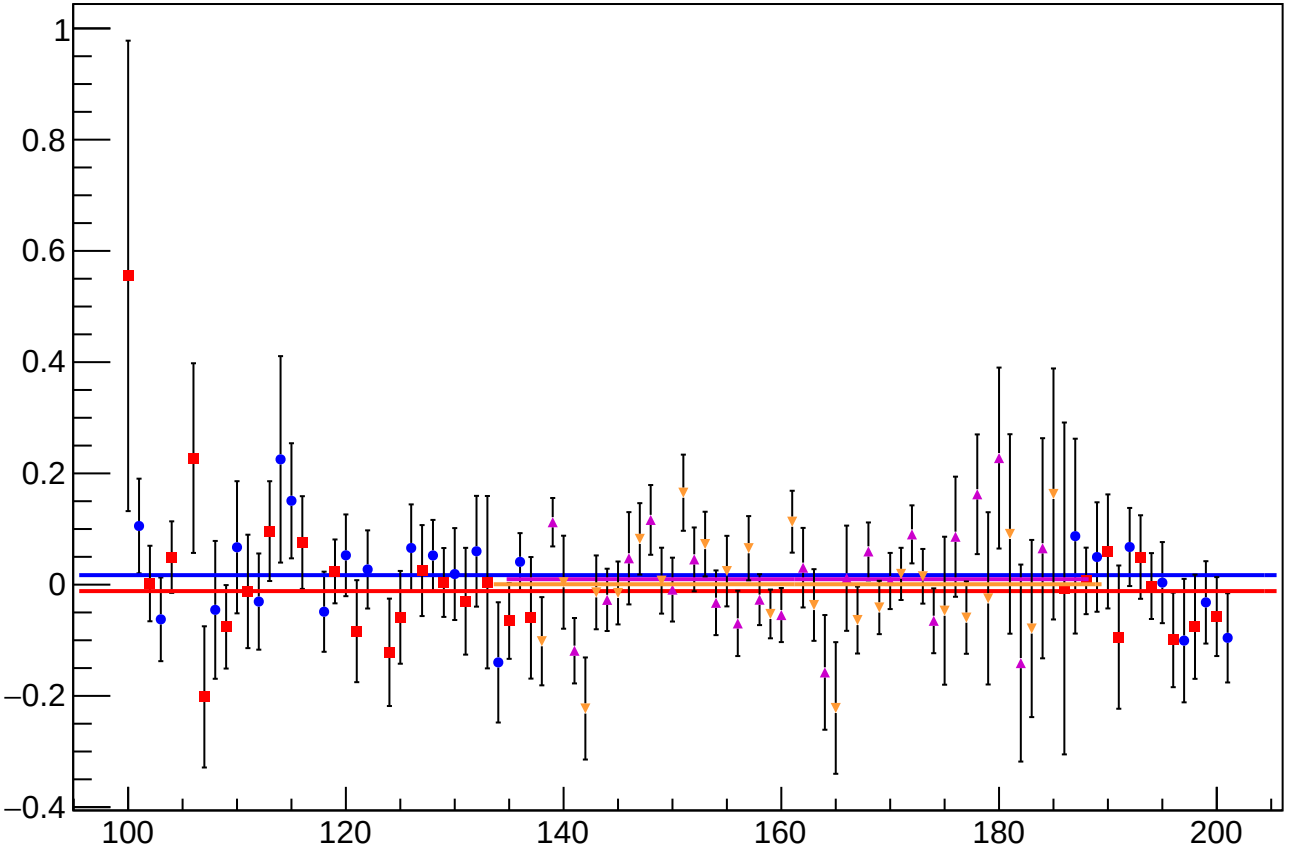
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7936995.8/50

In: 0.000+/-0.000 χ^2/NDF:8639503.1/45

Out: 0.000+/-0.000 χ^2/NDF:8641546.1/52

All: 0.000+/-0.000 χ^2/NDF: 17281235.8/98



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: -0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

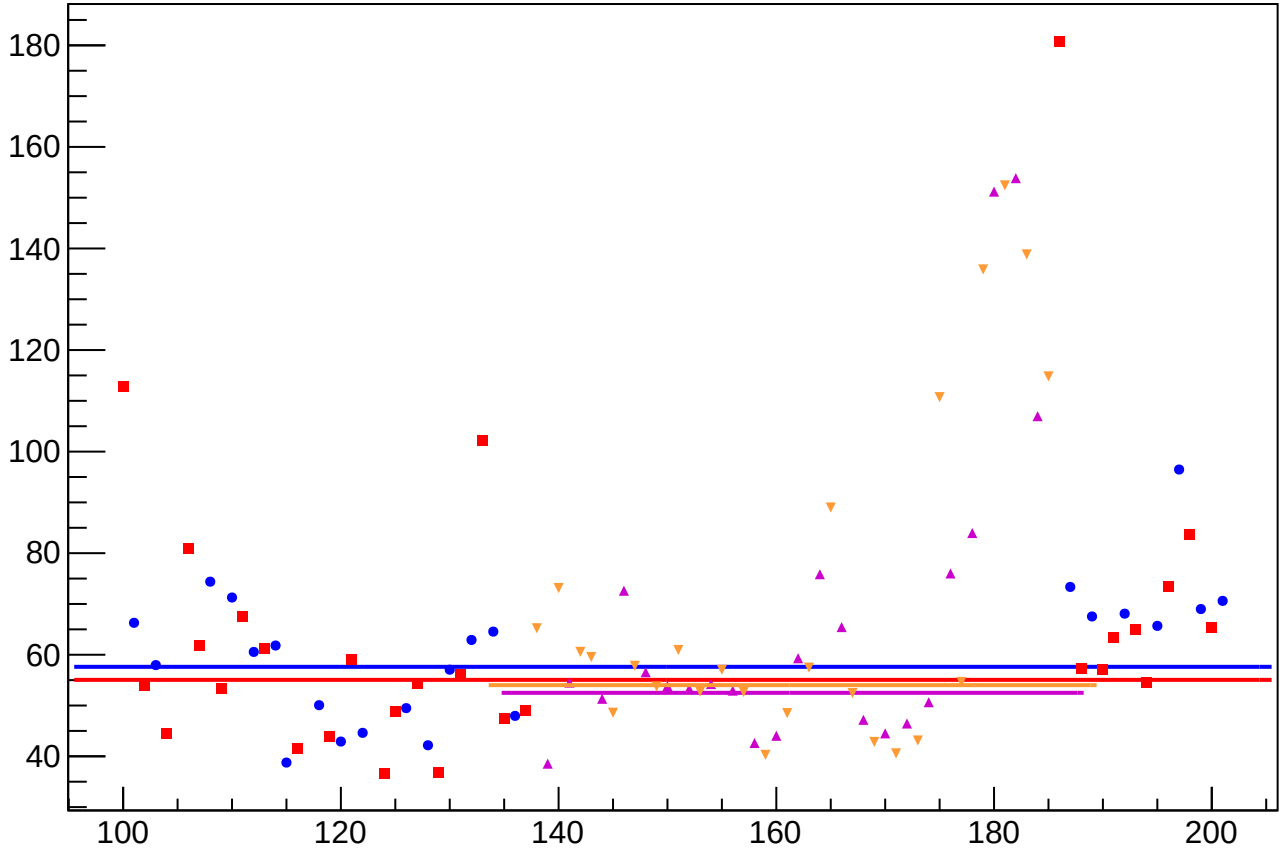
Right: 0.001+/-0.012 χ^2/NDF: 33.6/50

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.004+/-0.007 χ^2/NDF: 97.5/98

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: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

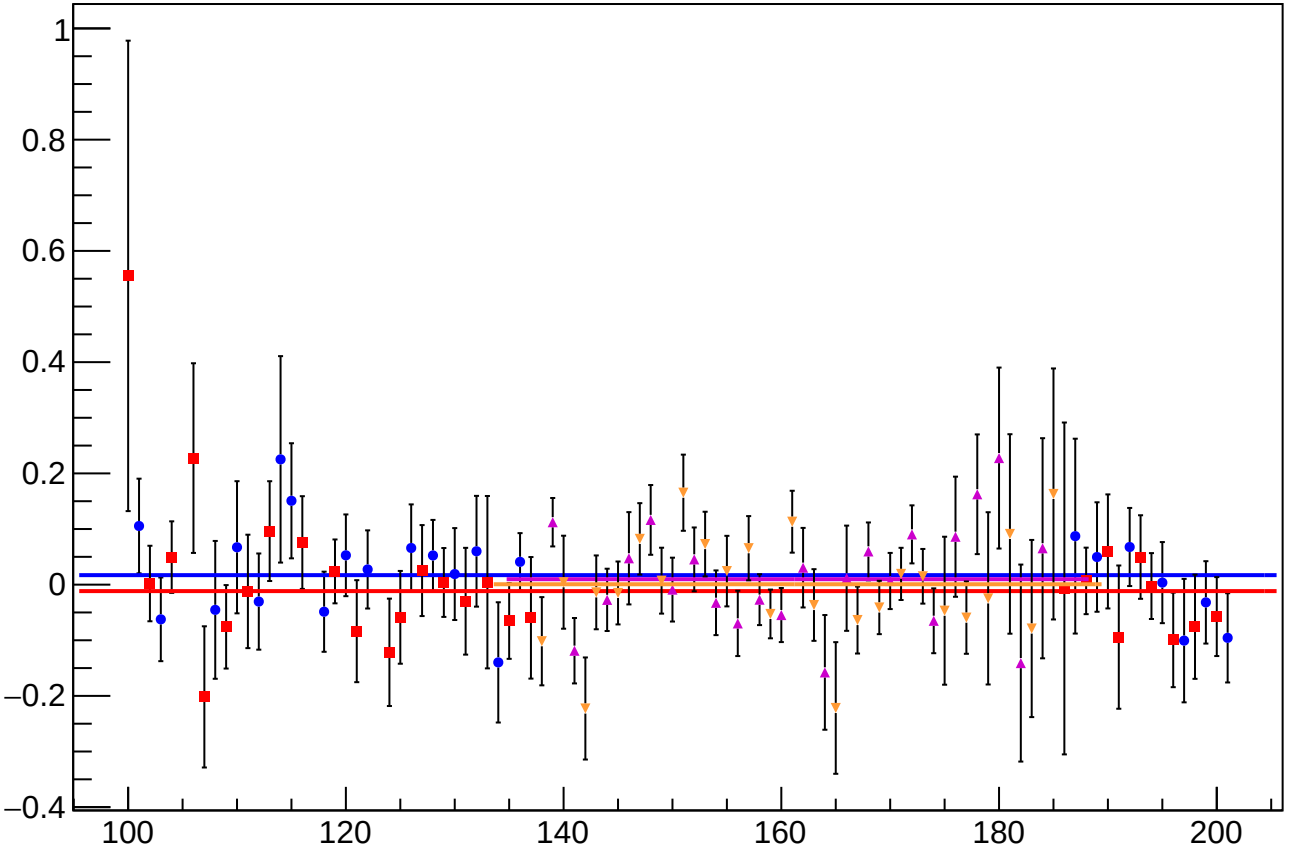
Right: 56.225+/-0.008 χ^2/NDF: 2534535.2/50

In: 54.392+/-0.007 χ^2/NDF:3665144.7/45

Out: 54.443+/-0.007 χ^2/NDF:4746519.4/52

All: 54.418+/-0.005 χ^2/NDF: 8411688.1/98

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: -0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

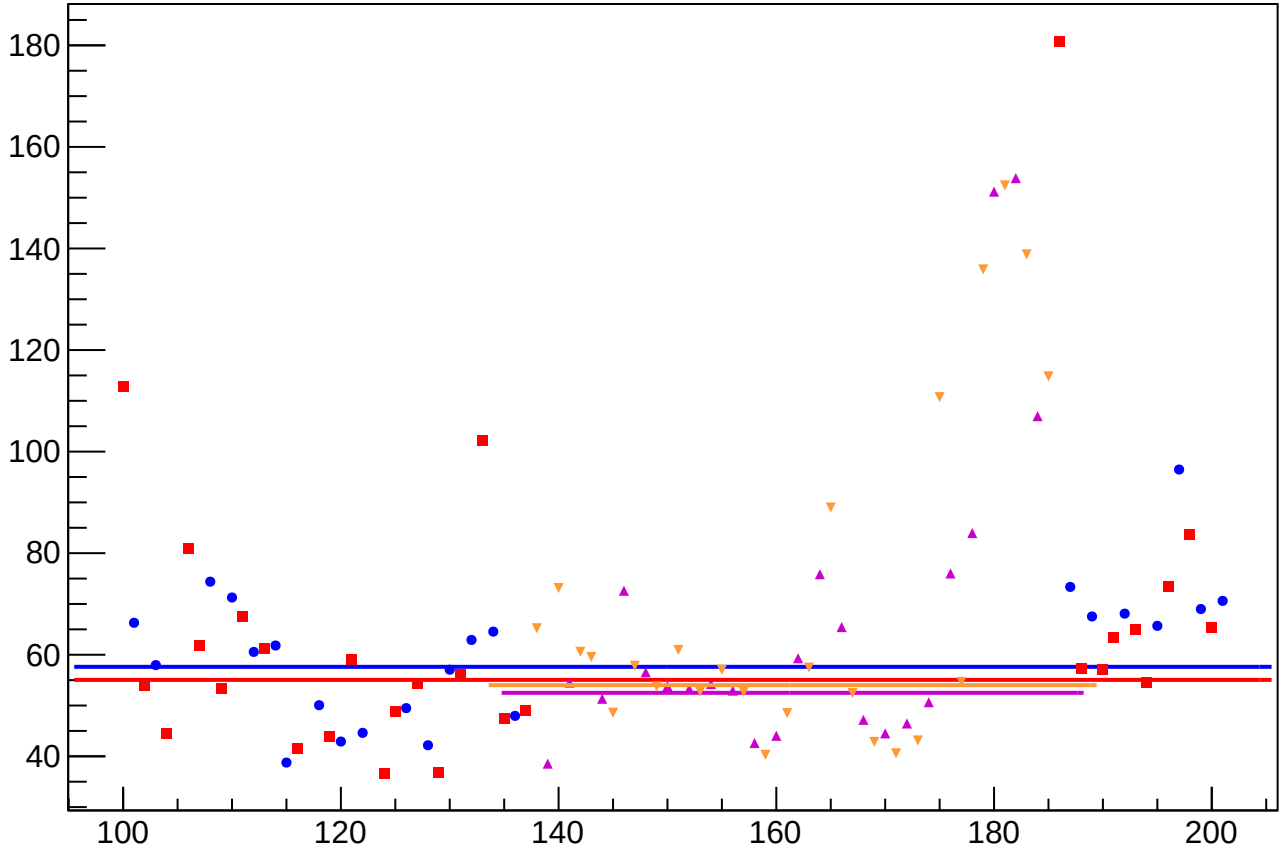
Right: 0.001+/-0.012 χ^2/NDF: 33.6/50

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.004+/-0.007 χ^2/NDF: 97.5/98

asym_sam_2468_avg_dit_vs_eigen_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: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

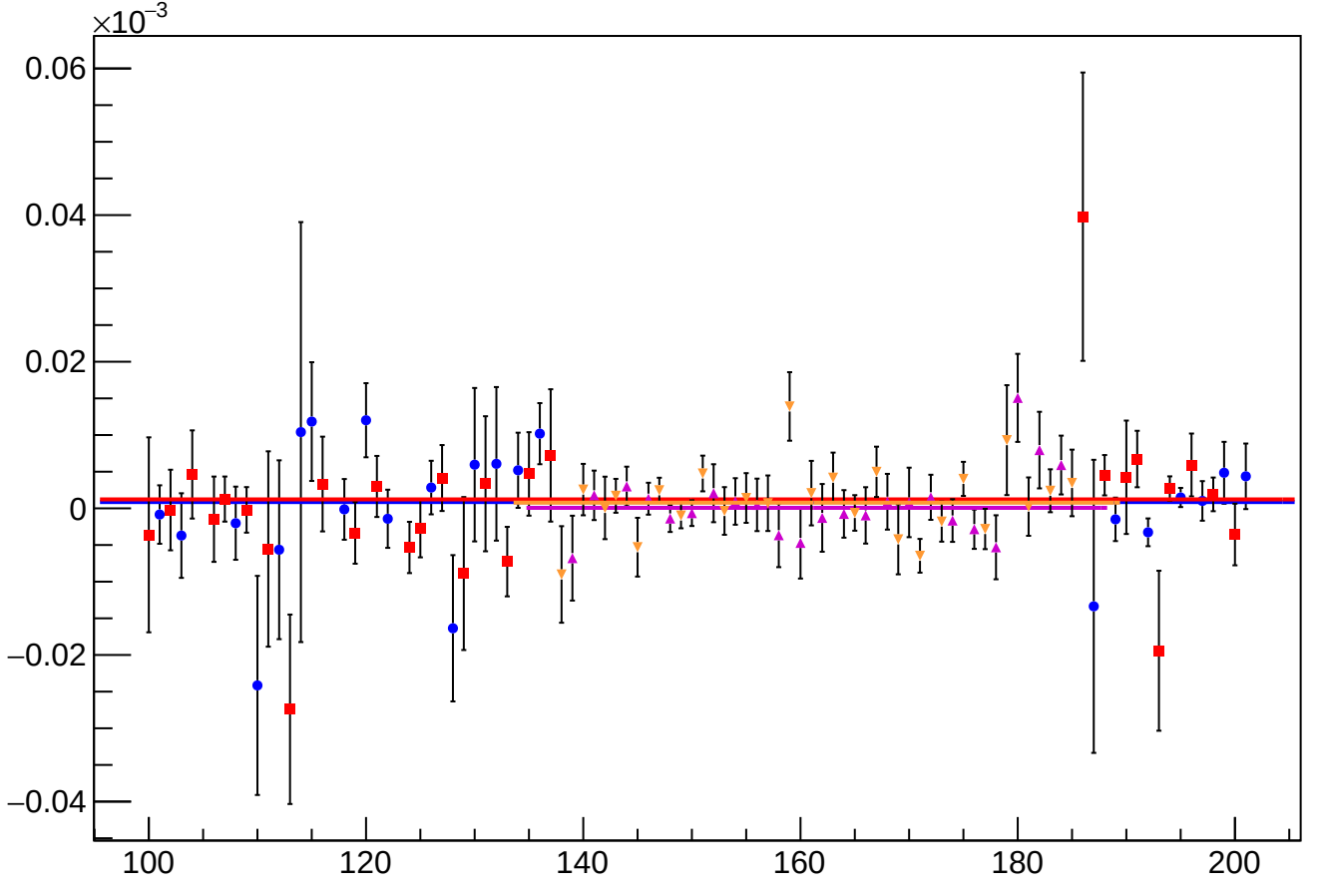
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 56.225+/-0.008 χ^2/NDF: 2534535.2/50

In: 54.392+/-0.007 χ^2/NDF:3665144.7/45

Out: 54.443+/-0.007 χ^2/NDF:4746519.4/52

All: 54.418+/-0.005 χ^2/NDF: 8411688.1/98



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: 31.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

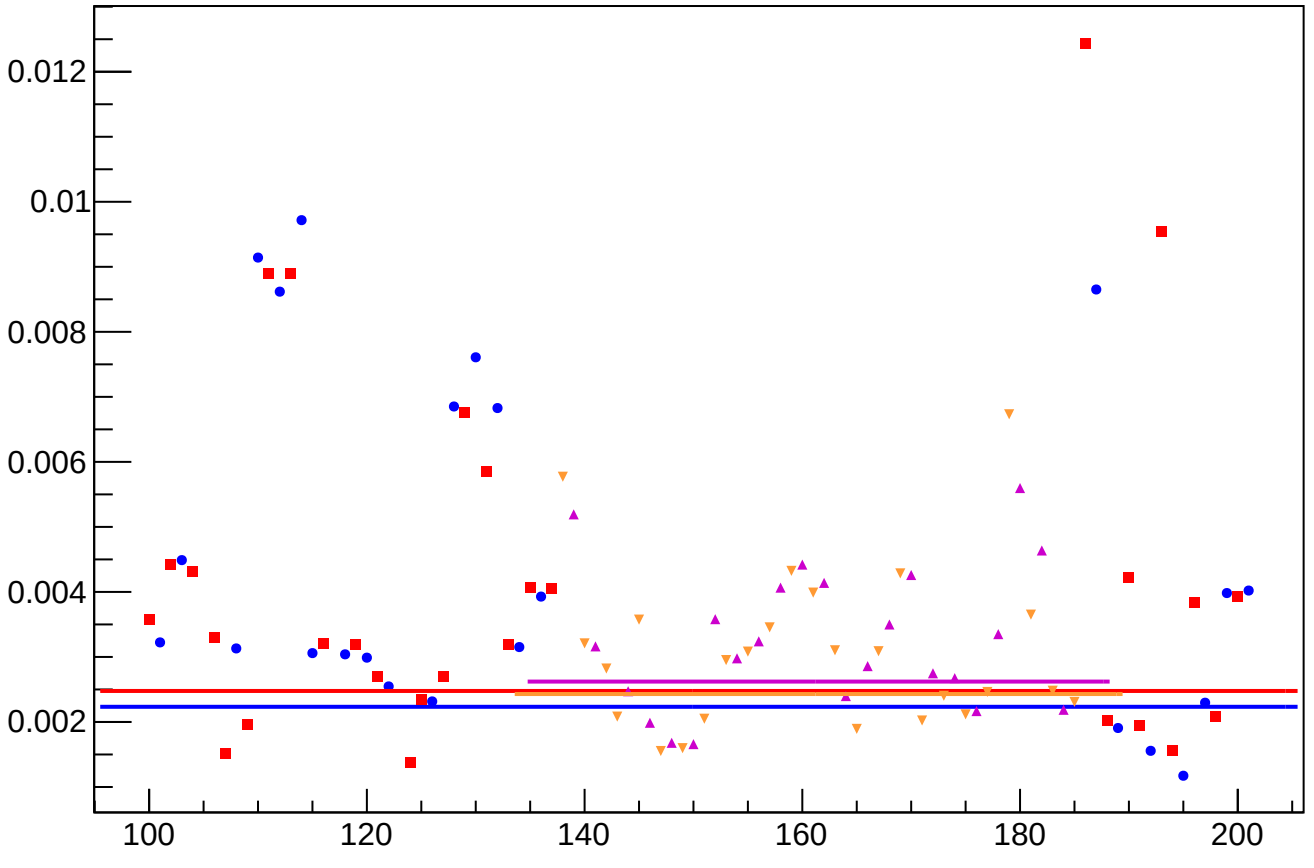
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.6/50

In: 0.000+/-0.000 χ^2/NDF:49.4/45

Out: 0.000+/-0.000 χ^2/NDF:70.2/52

All: 0.000+/-0.000 χ^2/NDF: 120.2/98



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: 0.002+/-0.000 χ^2/NDF: 5511837.8/27

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

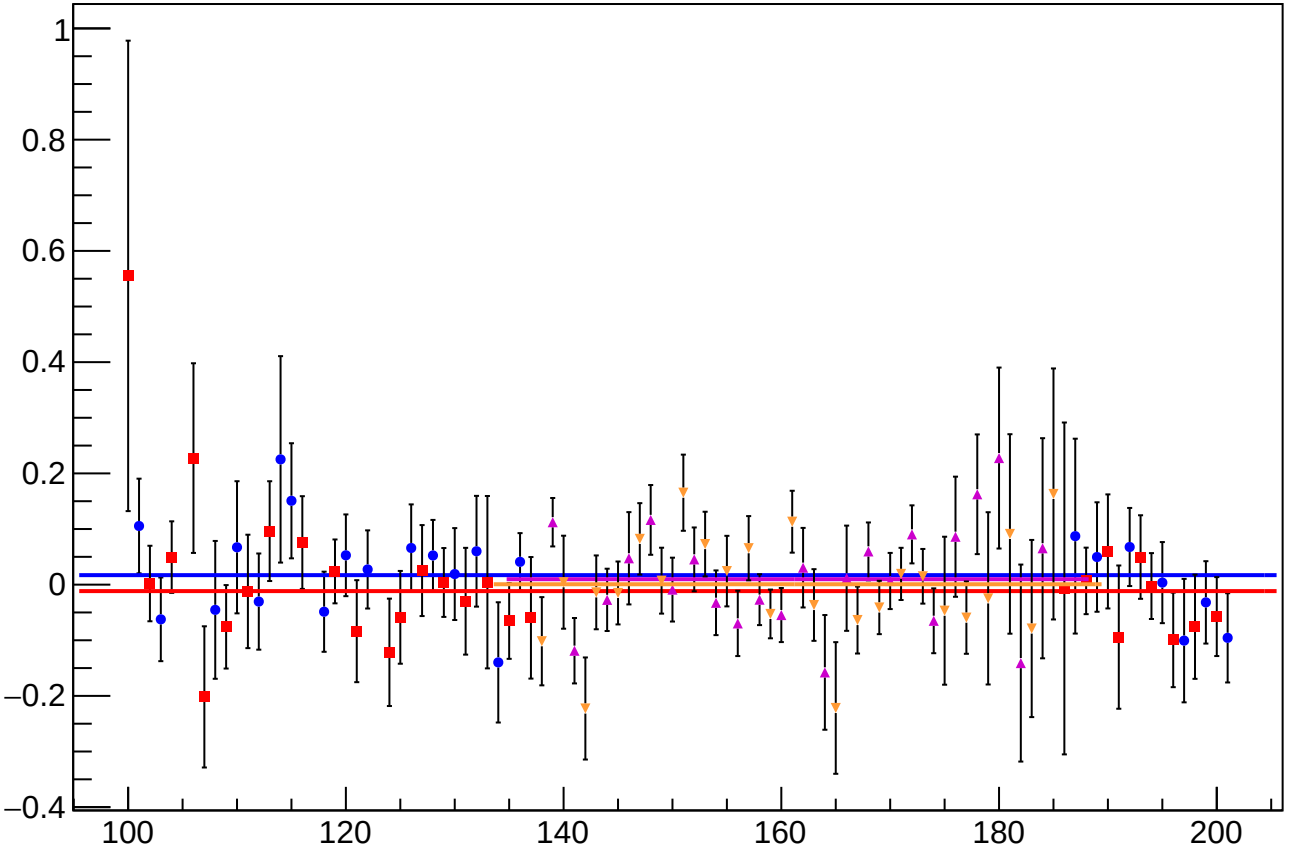
Right: 0.002+/-0.000 χ^2/NDF: 11576155.3/50

In: 0.002+/-0.000 χ^2/NDF:10217111.7/45

Out: 0.002+/-0.000 χ^2/NDF:9734852.3/52

All: 0.002+/-0.000 χ^2/NDF: 19952149.3/98

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: -0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

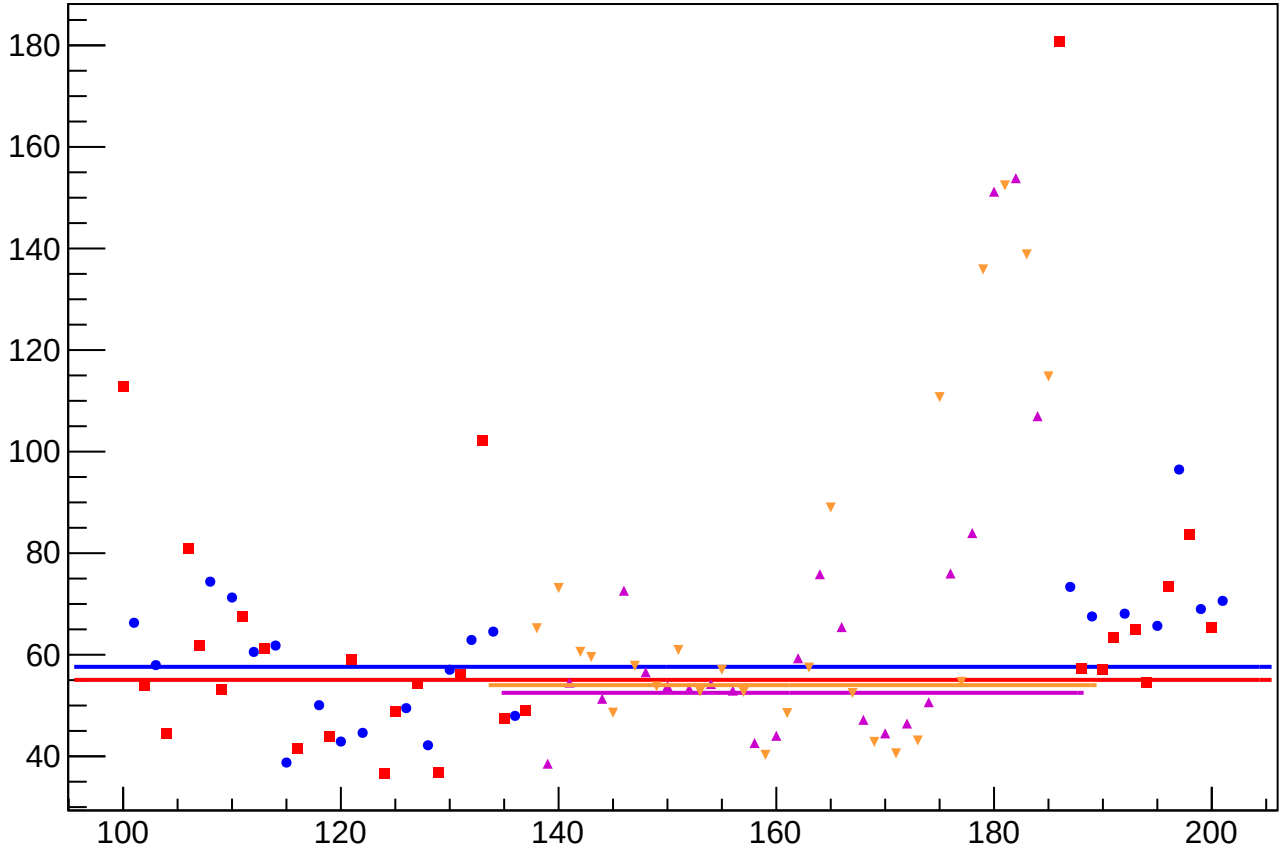
Right: 0.001+/-0.012 χ^2/NDF: 33.6/50

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.004+/-0.007 χ^2/NDF: 97.5/98

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: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

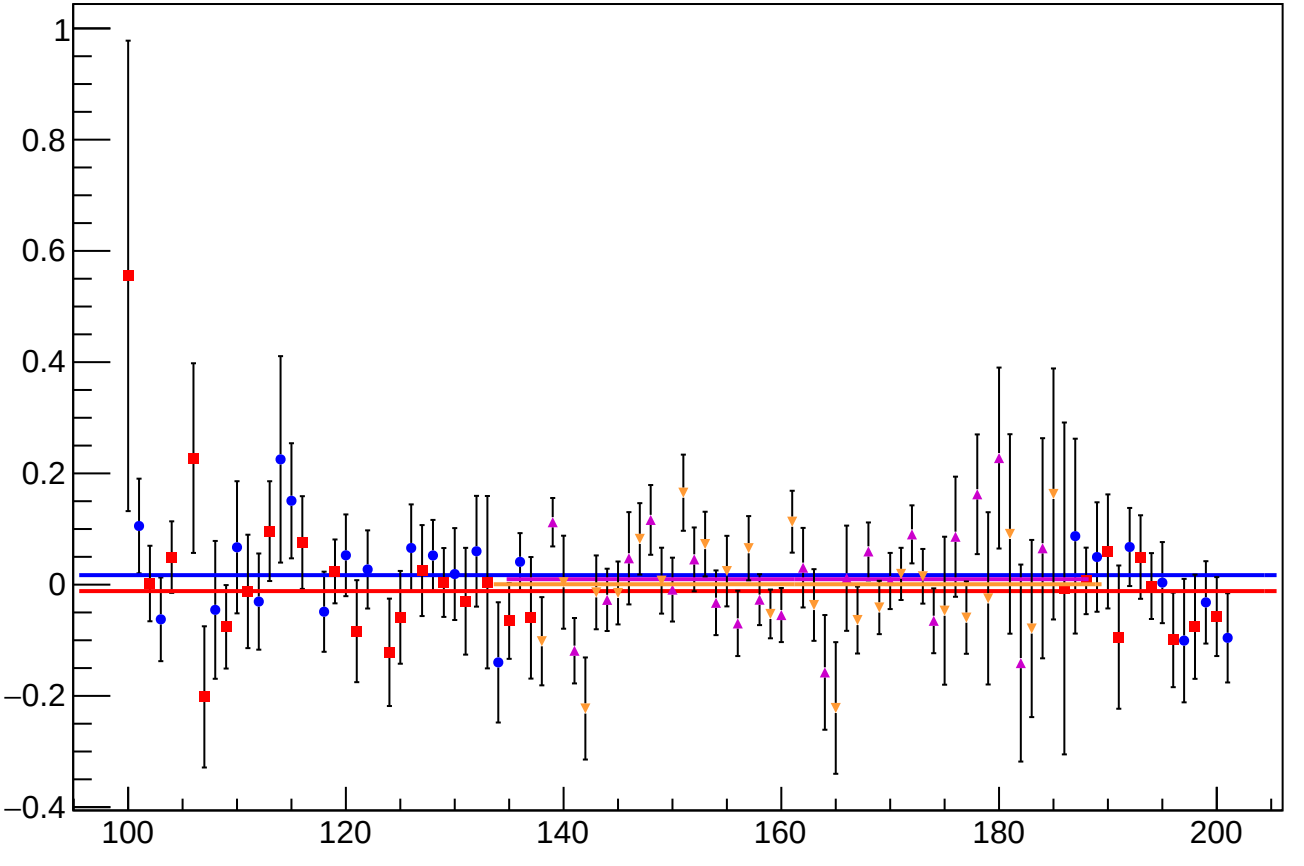
Right: 56.224+/-0.008 χ^2/NDF: 2534585.0/50

In: 54.392+/-0.007 χ^2/NDF:3665131.3/45

Out: 54.443+/-0.007 χ^2/NDF:4746579.0/52

All: 54.418+/-0.005 χ^2/NDF: 8411734.2/98

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: -0.012+/-0.016 χ^2/NDF: 17.6/27

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

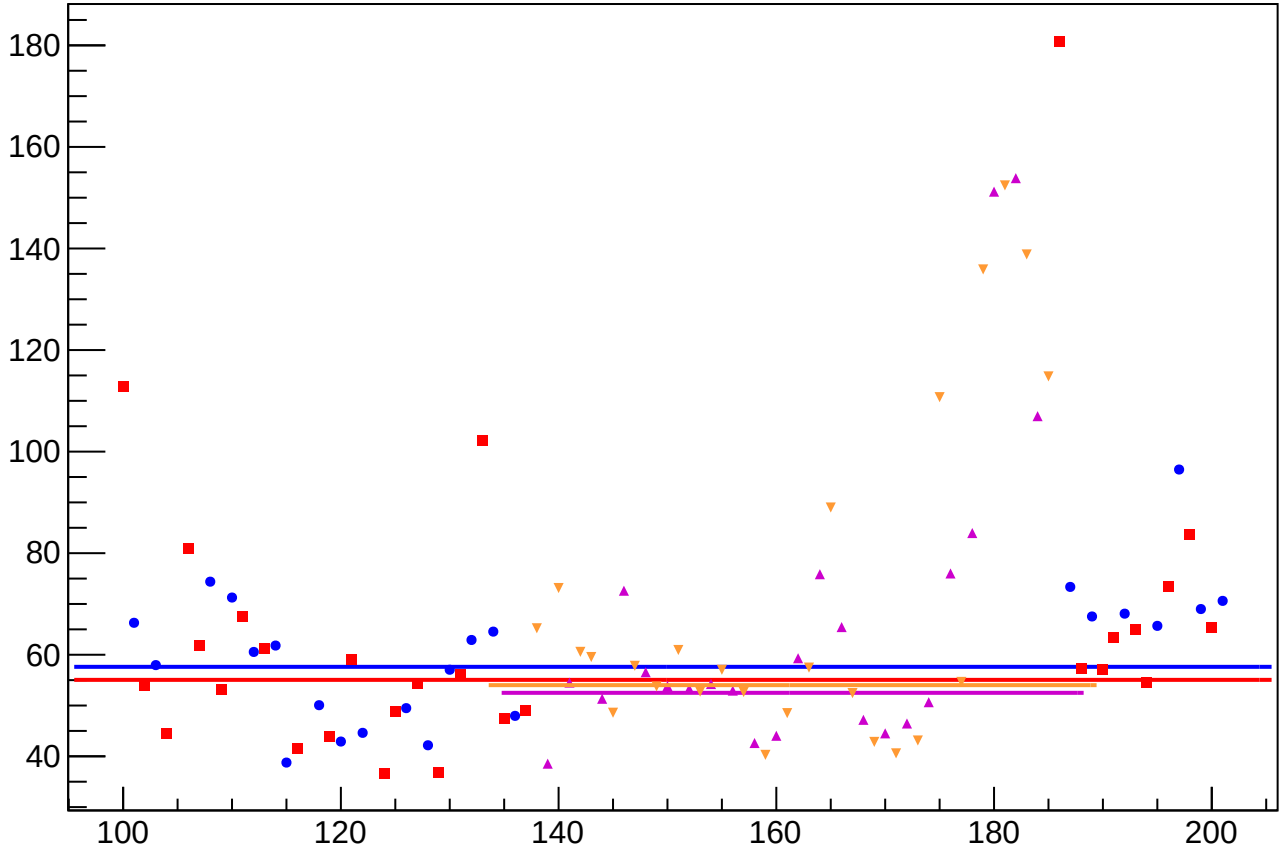
Right: 0.001+/-0.012 χ^2/NDF: 33.6/50

In: 0.012+/-0.010 χ^2/NDF:46.5/45

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.004+/-0.007 χ^2/NDF: 97.5/98

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: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

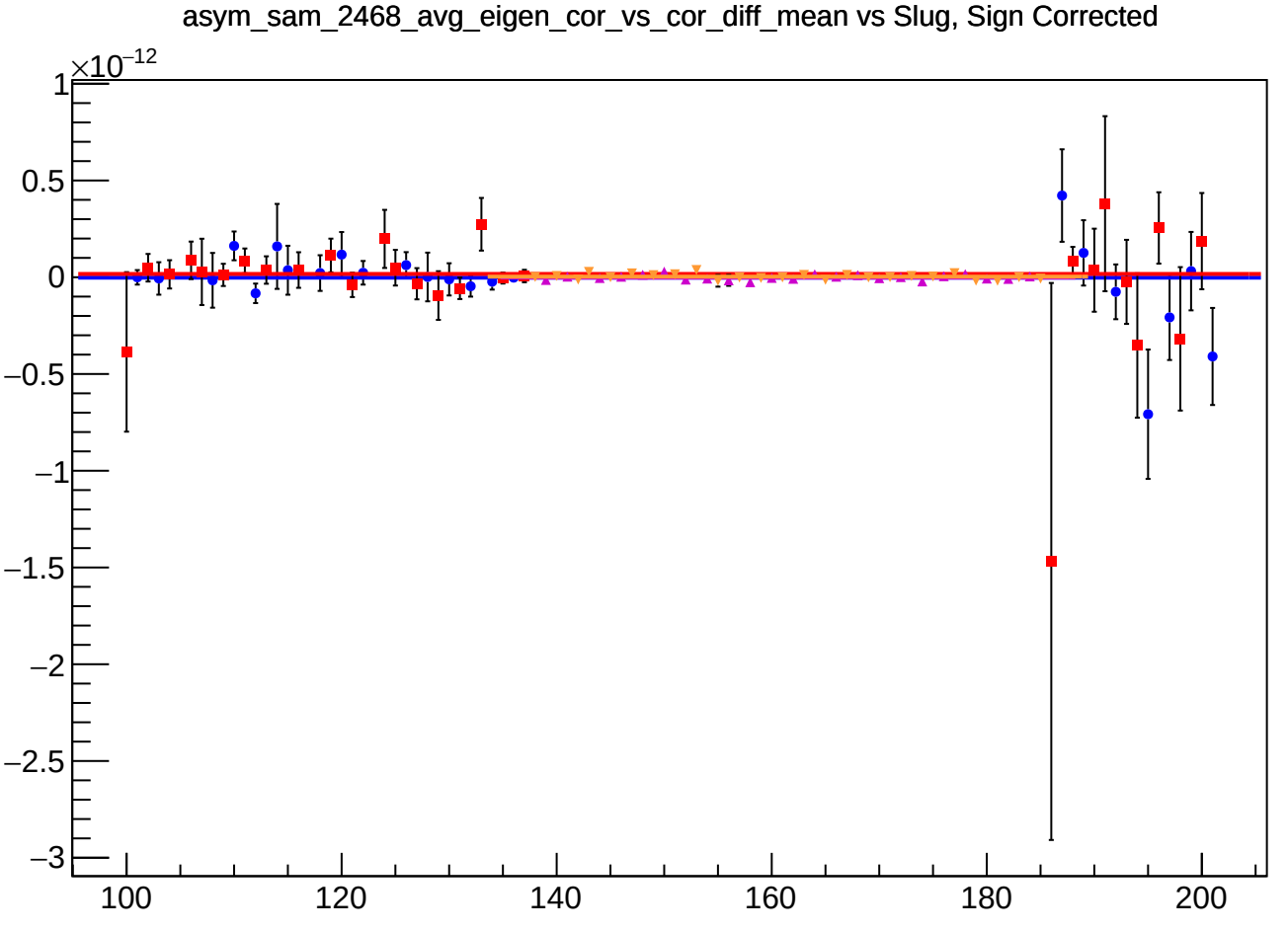
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 56.224+/-0.008 χ^2/NDF: 2534585.0/50

In: 54.392+/-0.007 χ^2/NDF:3665131.3/45

Out: 54.443+/-0.007 χ^2/NDF:4746579.0/52

All: 54.418+/-0.005 χ^2/NDF: 8411734.2/98



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: 20.3/27

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

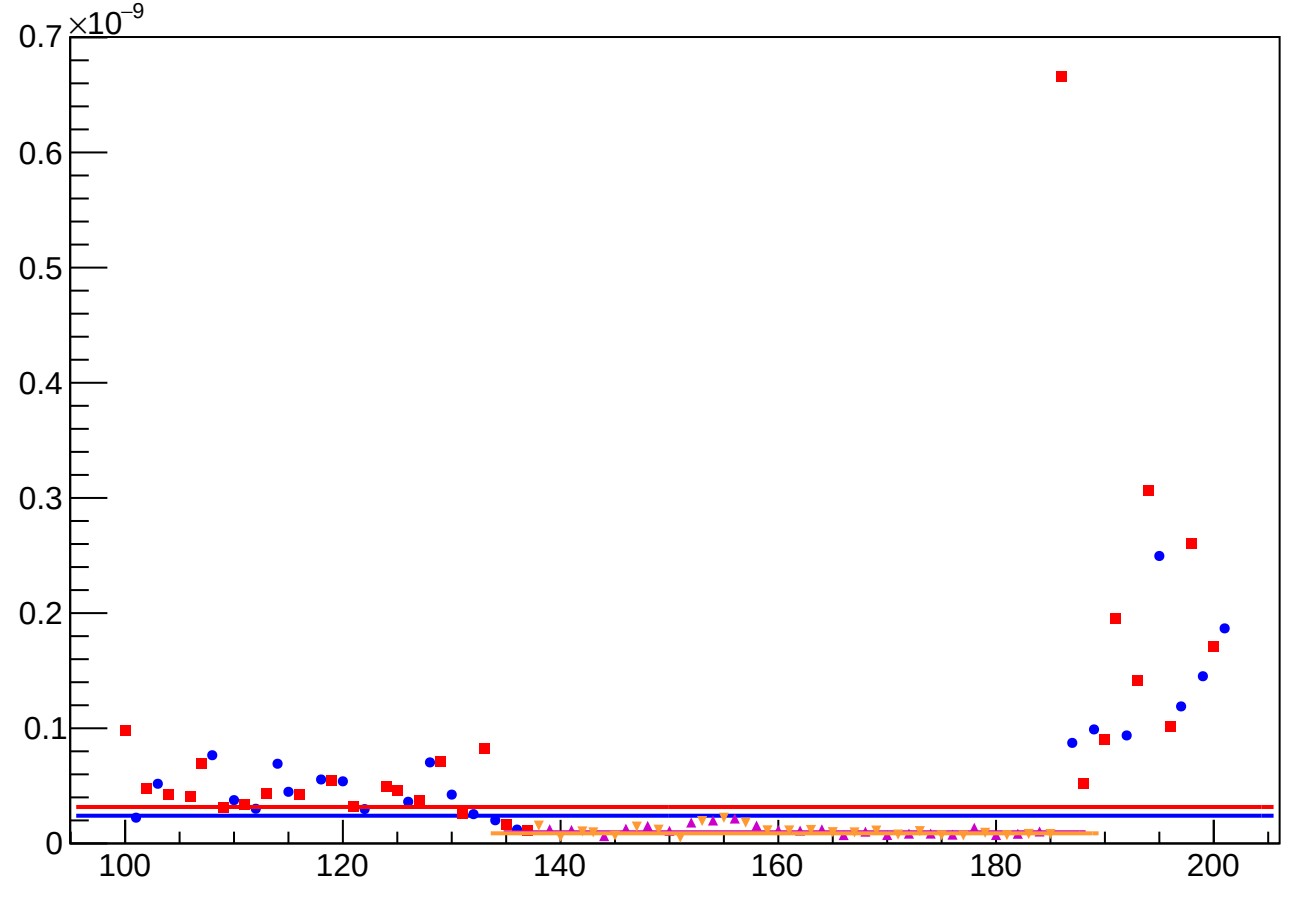
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.7/50

In: -0.000+/-0.000 χ^2/NDF:38.5/45

Out: 0.000+/-0.000 χ^2/NDF:43.1/52

All: 0.000+/-0.000 χ^2/NDF: 83.5/98



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: 6743712.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

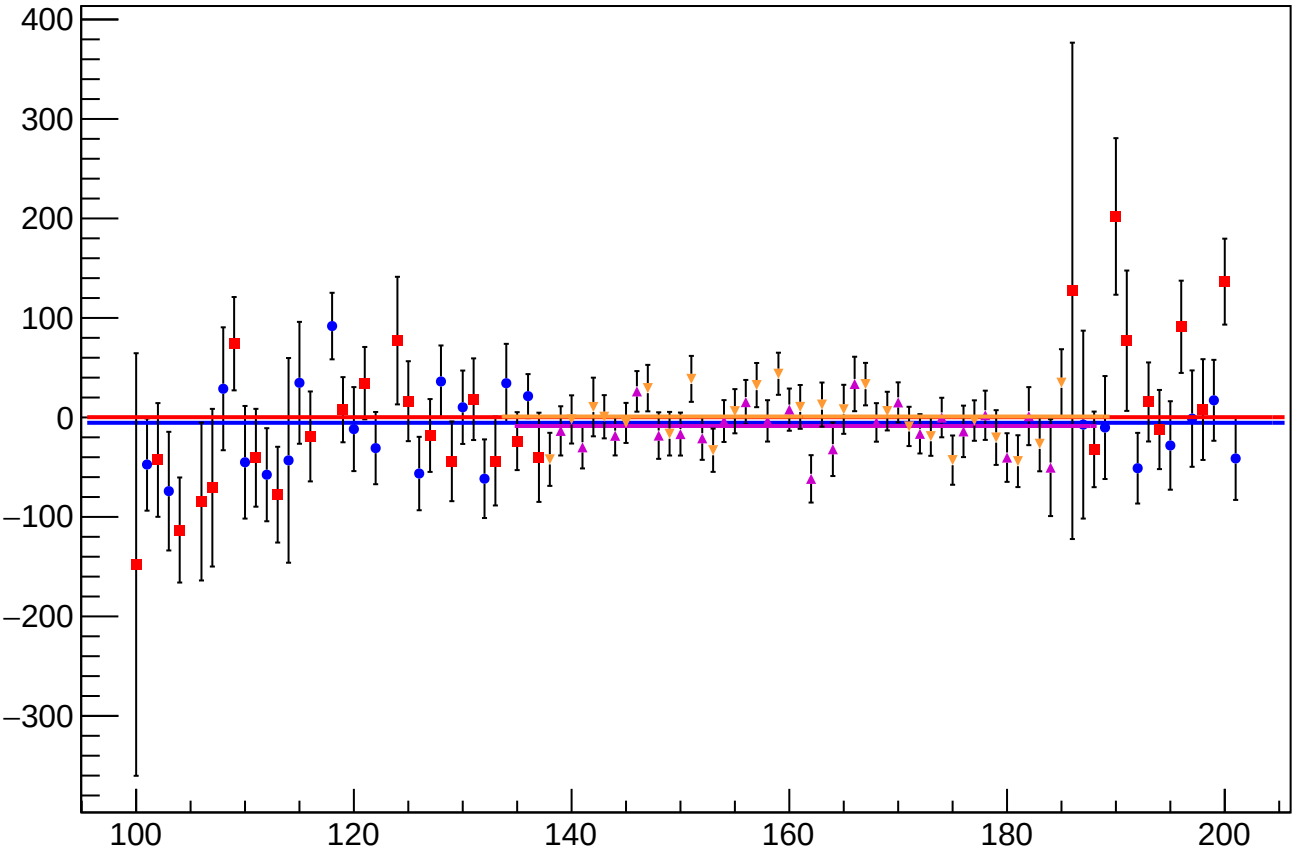
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13545011.1/50

In: 0.000+/-0.000 χ^2/NDF:11555529.3/45

Out: 0.000+/-0.000 χ^2/NDF:14369056.8/52

All: 0.000+/-0.000 χ^2/NDF: 26046251.1/98



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: 0.248+/-8.699 χ^2/NDF: 43.1/27

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

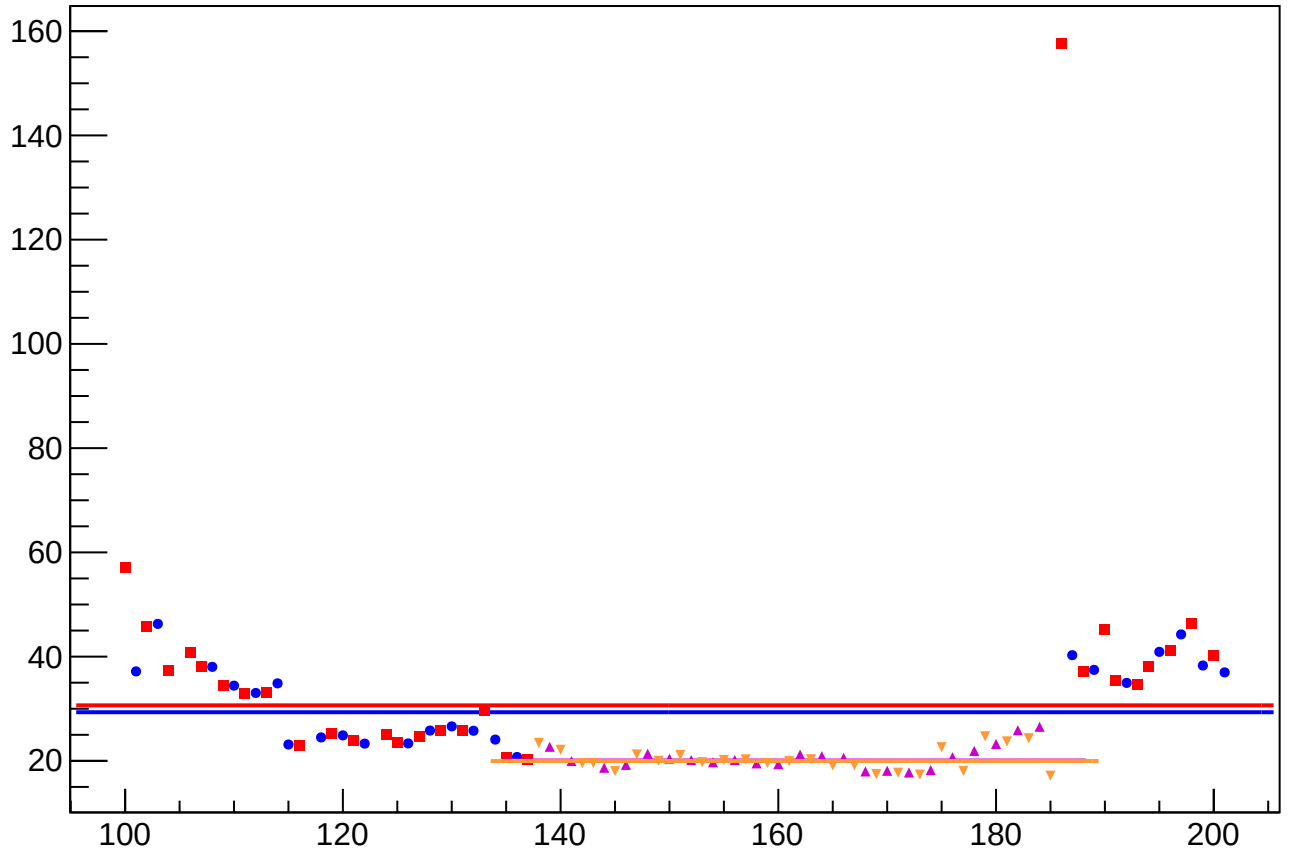
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -2.578+/-6.142 χ^2/NDF: 67.9/50

In: -7.865+/-4.148 χ^2/NDF:44.1/45

Out: 0.772+/-4.048 χ^2/NDF:72.3/52

All: -3.442+/-2.897 χ^2/NDF: 118.6/98



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: 30.654+/-0.006 χ^2/NDF: 2129758.2/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

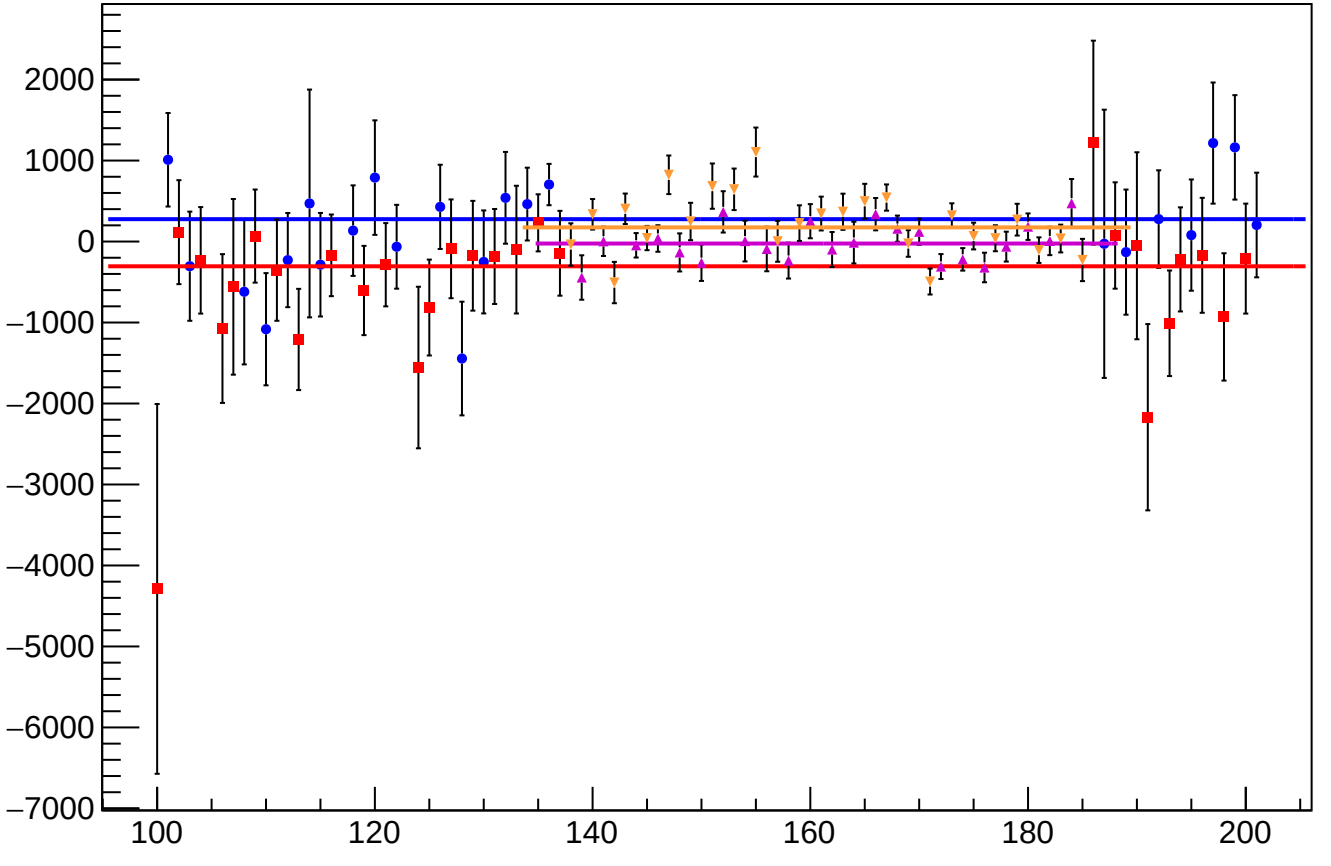
Right: 29.991+/-0.004 χ^2/NDF: 3636543.9/50

In: 22.191+/-0.003 χ^2/NDF:3543895.9/45

Out: 22.283+/-0.003 χ^2/NDF:4880627.2/52

All: 22.238+/-0.002 χ^2/NDF: 8425026.0/98

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



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: -305.675+/-123.045 χ^2/NDF: 18.5/27

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

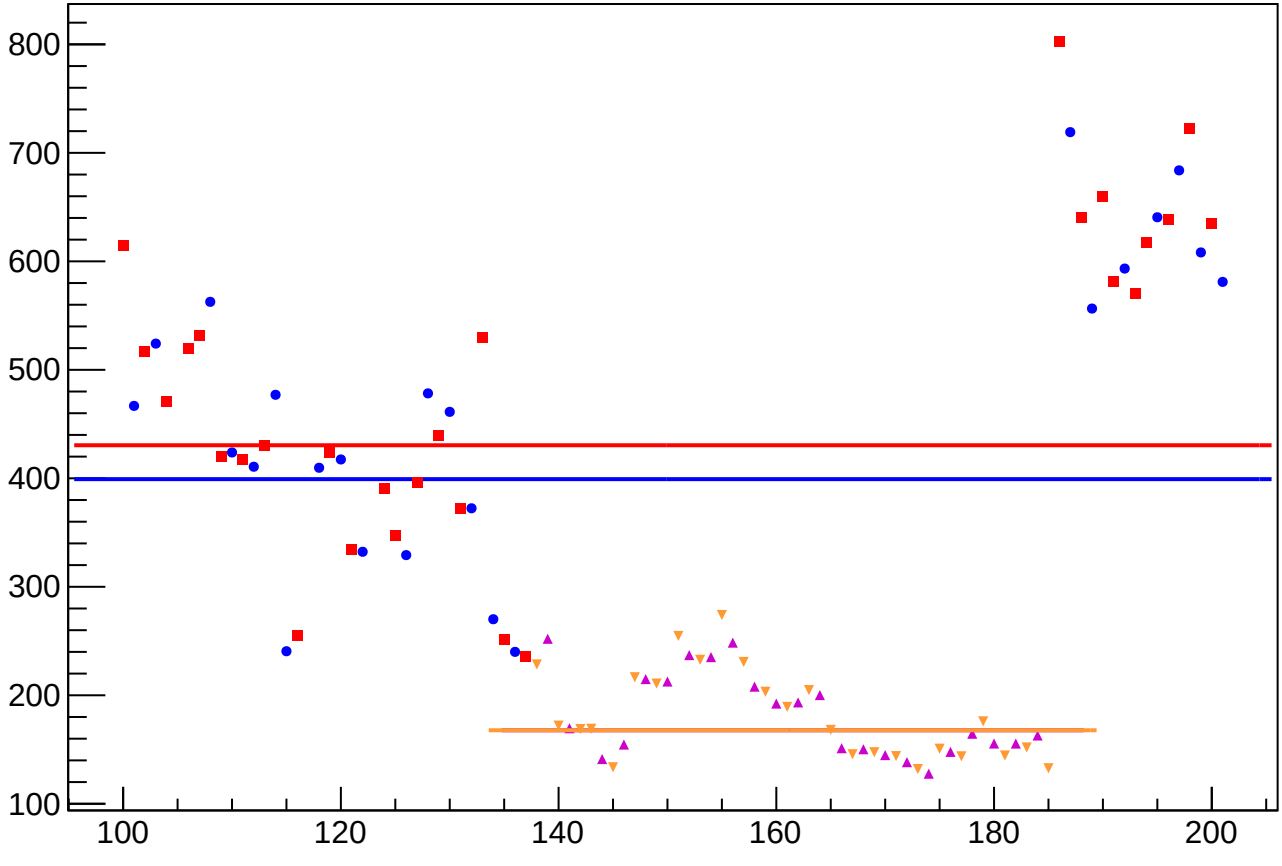
Right: -9.420+/-86.218 χ^2/NDF: 53.5/50

In: 5.219+/-38.034 χ^2/NDF:56.1/45

Out: 130.739+/-37.220 χ^2/NDF:103.5/52

All: 69.337+/-26.602 χ^2/NDF: 165.2/98

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: 430.476+/-0.087 χ^2/NDF: 2681485.1/27

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

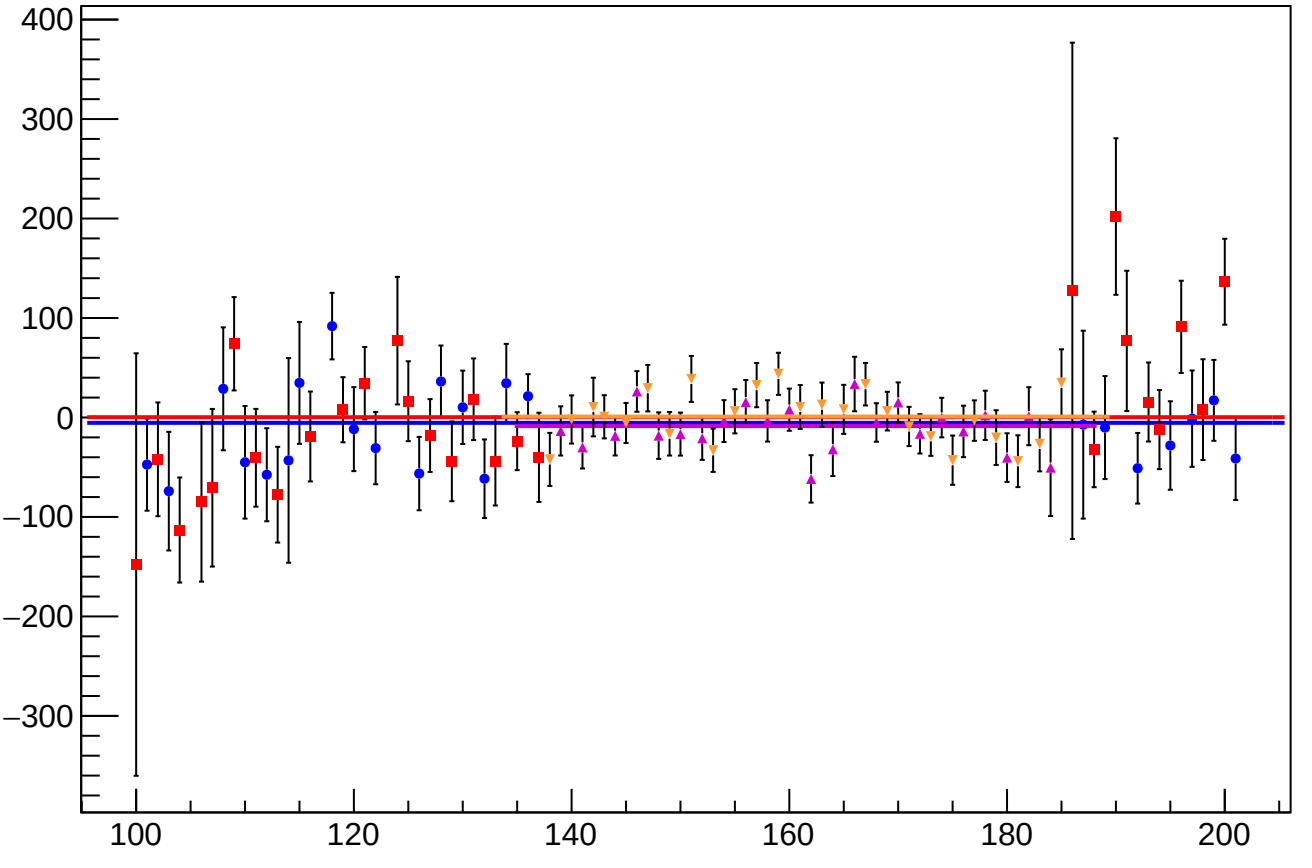
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 414.573+/-0.061 χ^2/NDF: 5375558.8/50

In: 190.678+/-0.027 χ^2/NDF:10643264.0/45

Out: 191.793+/-0.026 χ^2/NDF:12543296.2/52

All: 191.248+/-0.019 χ^2/NDF: 23187438.0/98



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: 0.279+/-8.700 χ^2/NDF: 43.0/27

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

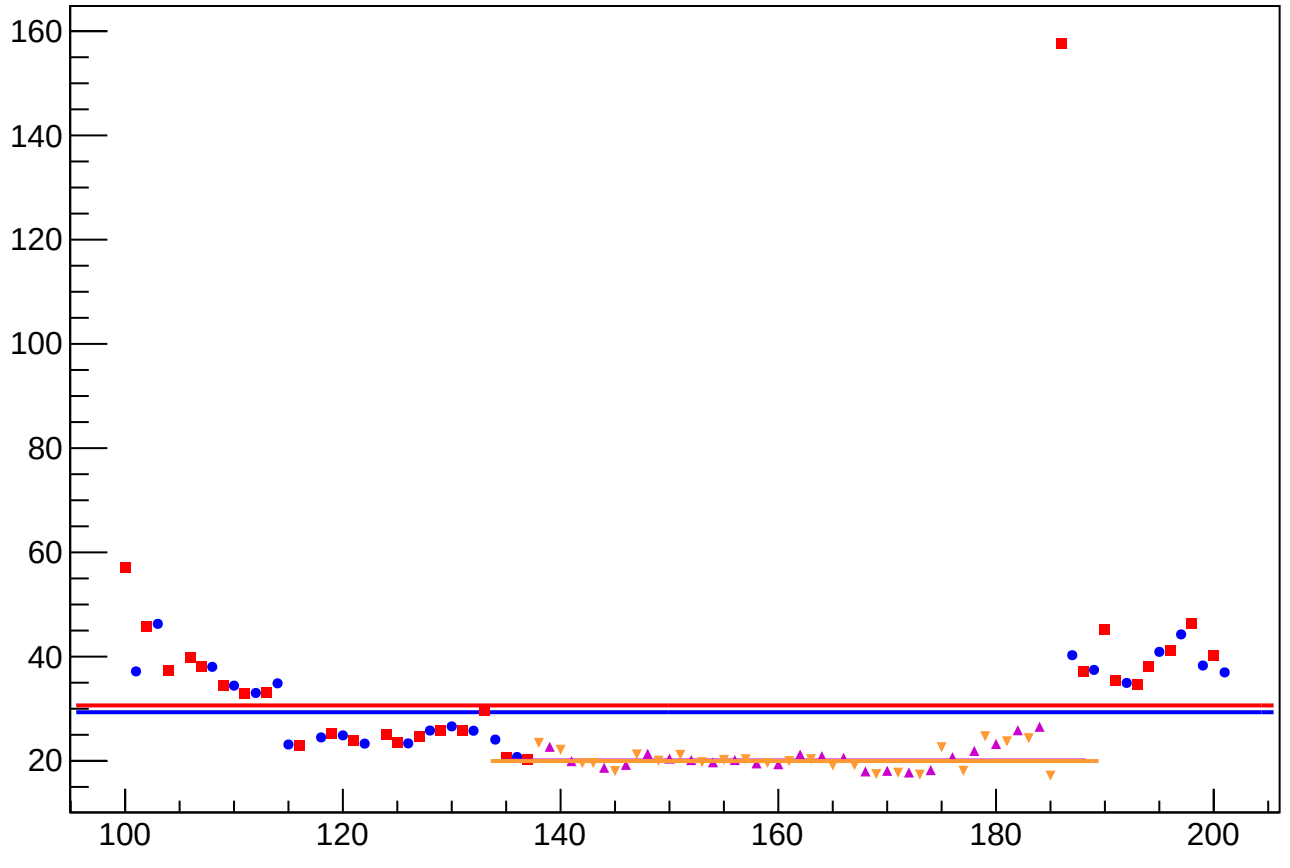
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -2.561+/-6.142 χ^2/NDF: 67.8/50

In: -7.864+/-4.148 χ^2/NDF:44.1/45

Out: 0.777+/-4.049 χ^2/NDF:72.3/52

All: -3.439+/-2.897 χ^2/NDF: 118.5/98



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: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

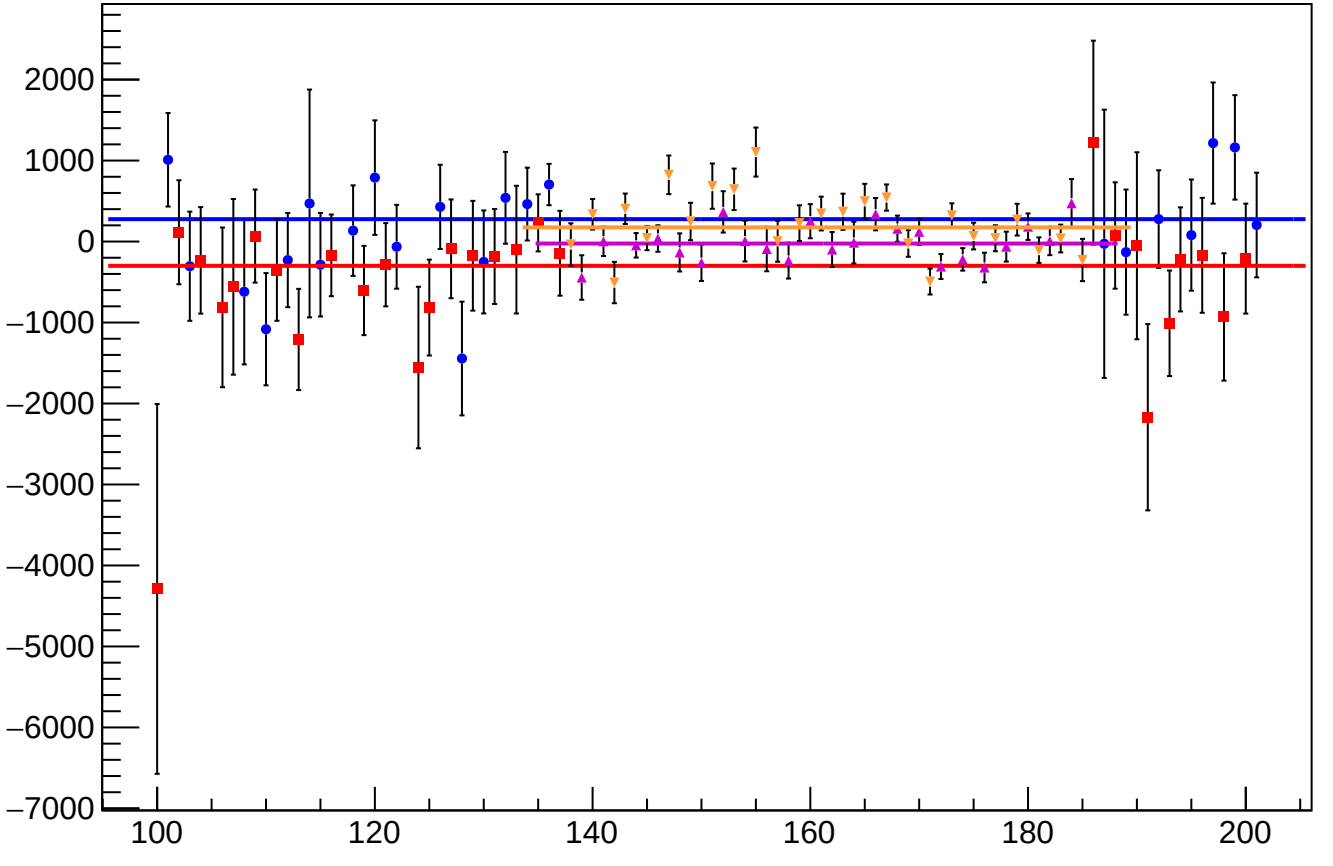
Right: 29.984+/-0.004 χ^2/NDF: 3629123.2/50

In: 22.191+/-0.003 χ^2/NDF:3543899.3/45

Out: 22.279+/-0.003 χ^2/NDF:4866699.4/52

All: 22.236+/-0.002 χ^2/NDF: 8411062.3/98

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



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: -299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

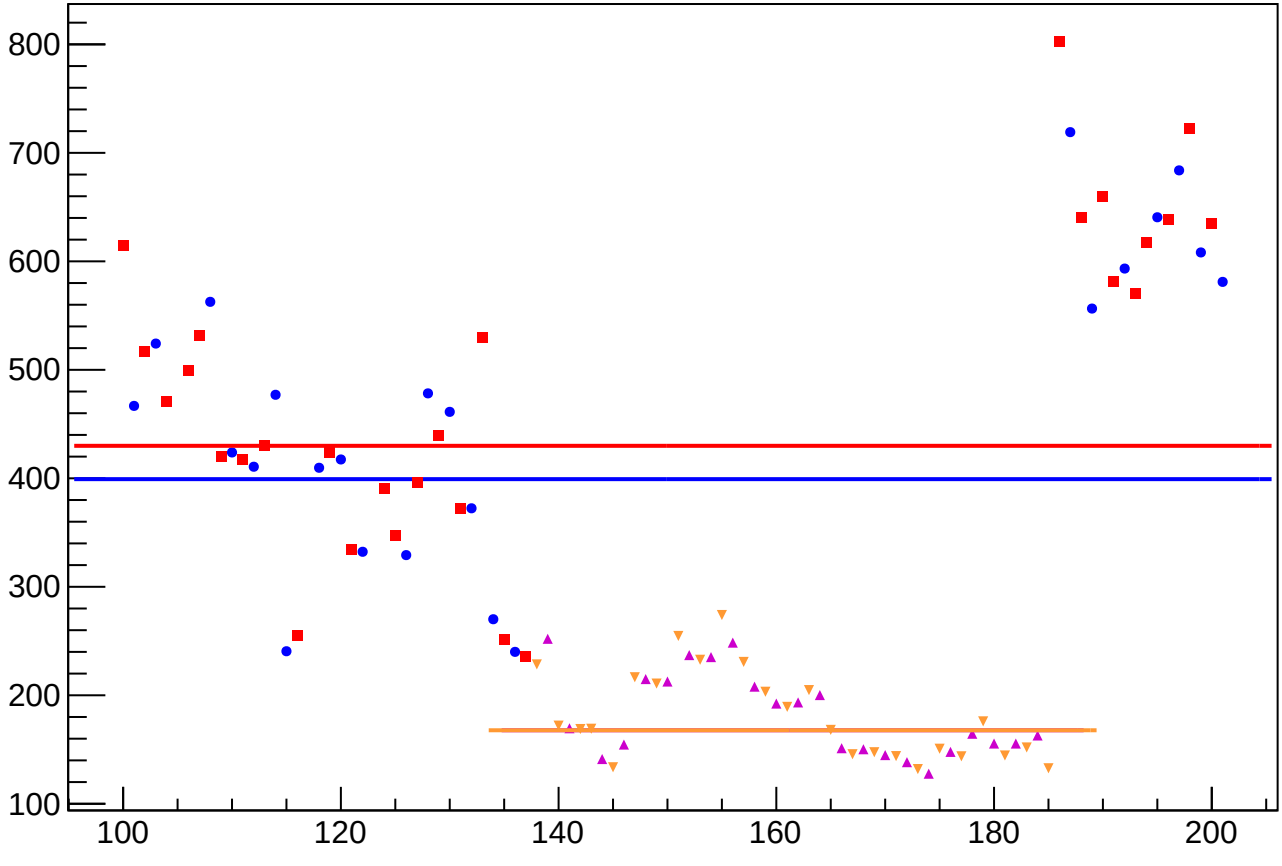
Right: -6.216+/-86.269 χ^2/NDF: 52.8/50

In: 5.218+/-38.034 χ^2/NDF:56.1/45

Out: 131.366+/-37.224 χ^2/NDF:102.7/52

All: 69.650+/-26.603 χ^2/NDF: 164.5/98

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: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

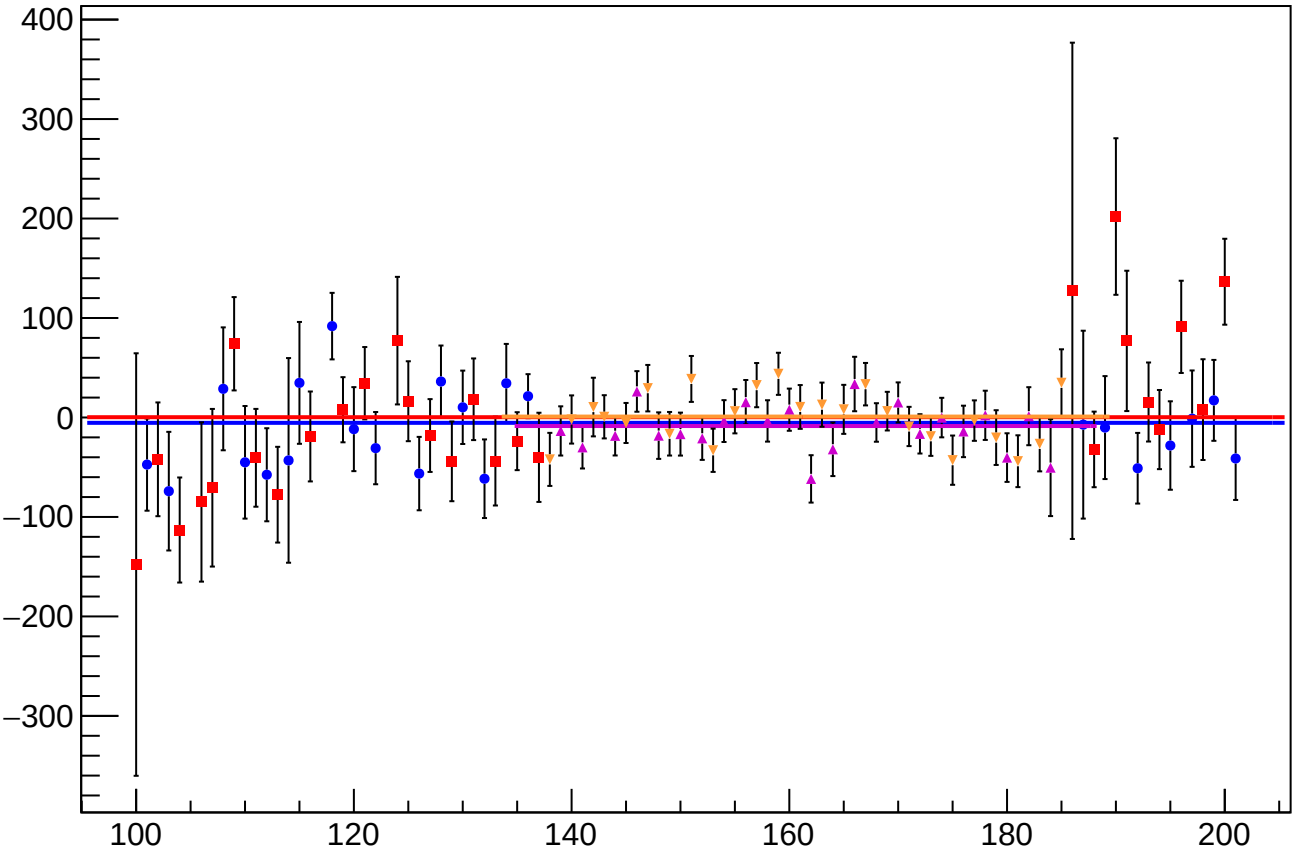
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 414.298+/-0.061 χ^2/NDF: 5364334.4/50

In: 190.678+/-0.027 χ^2/NDF:10643277.9/45

Out: 191.693+/-0.026 χ^2/NDF:12483391.4/52

All: 191.197+/-0.019 χ^2/NDF: 23127396.5/98



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: 0.279+/-8.700 χ^2/NDF: 43.0/27

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

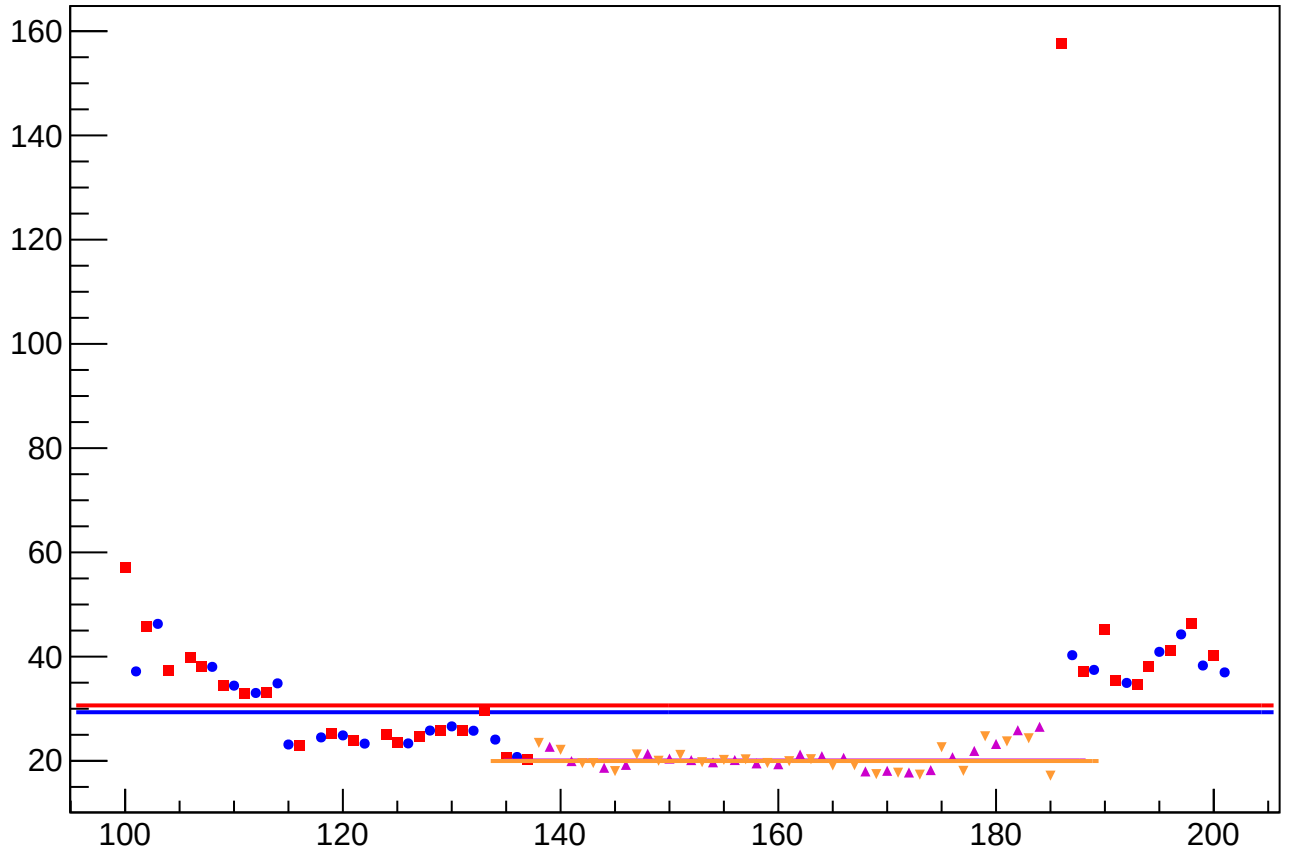
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -2.561+/-6.142 χ^2/NDF: 67.8/50

In: -7.864+/-4.148 χ^2/NDF:44.1/45

Out: 0.777+/-4.049 χ^2/NDF:72.3/52

All: -3.439+/-2.897 χ^2/NDF: 118.5/98



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: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

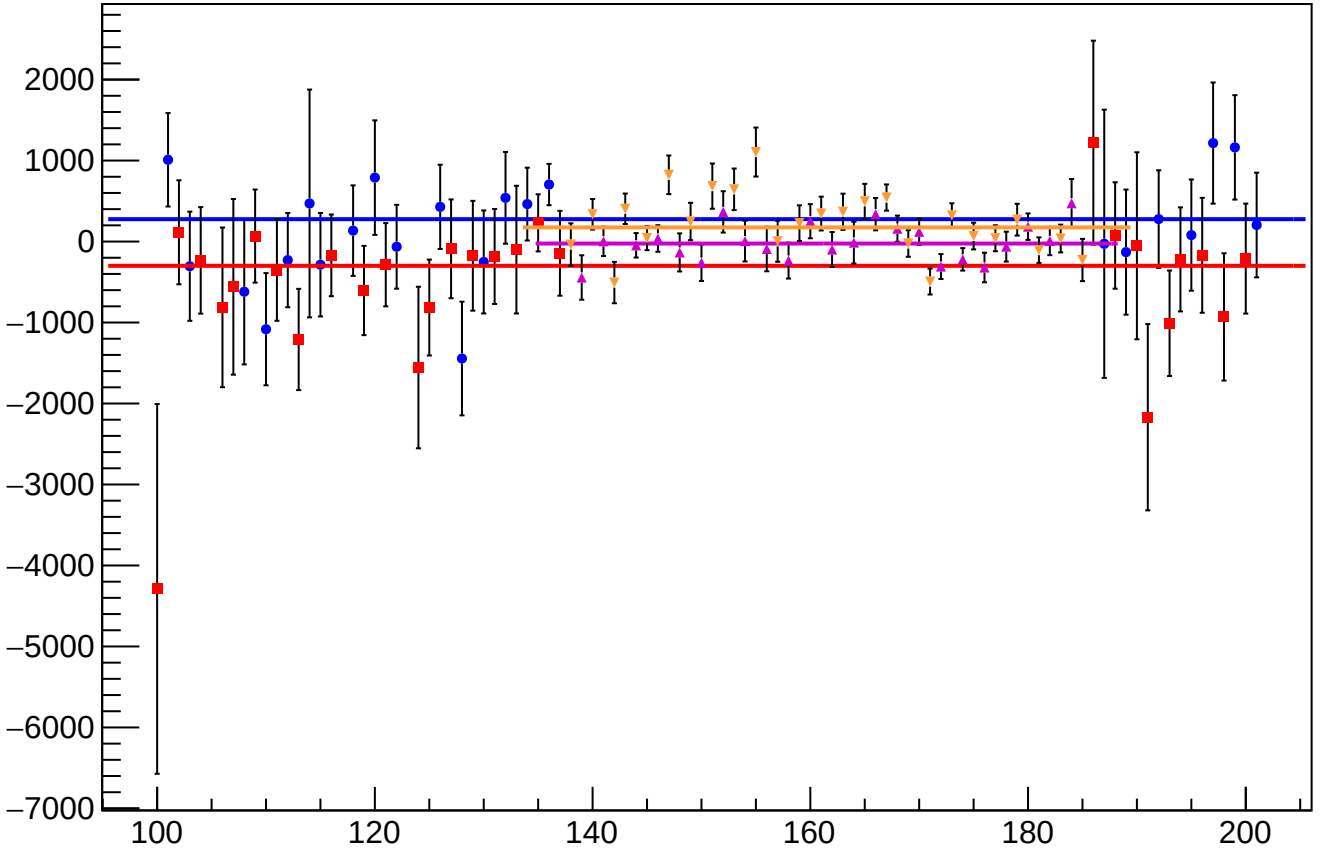
Right: 29.984+/-0.004 χ^2/NDF: 3629123.2/50

In: 22.191+/-0.003 χ^2/NDF:3543899.3/45

Out: 22.279+/-0.003 χ^2/NDF:4866699.4/52

All: 22.236+/-0.002 χ^2/NDF: 8411062.3/98

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

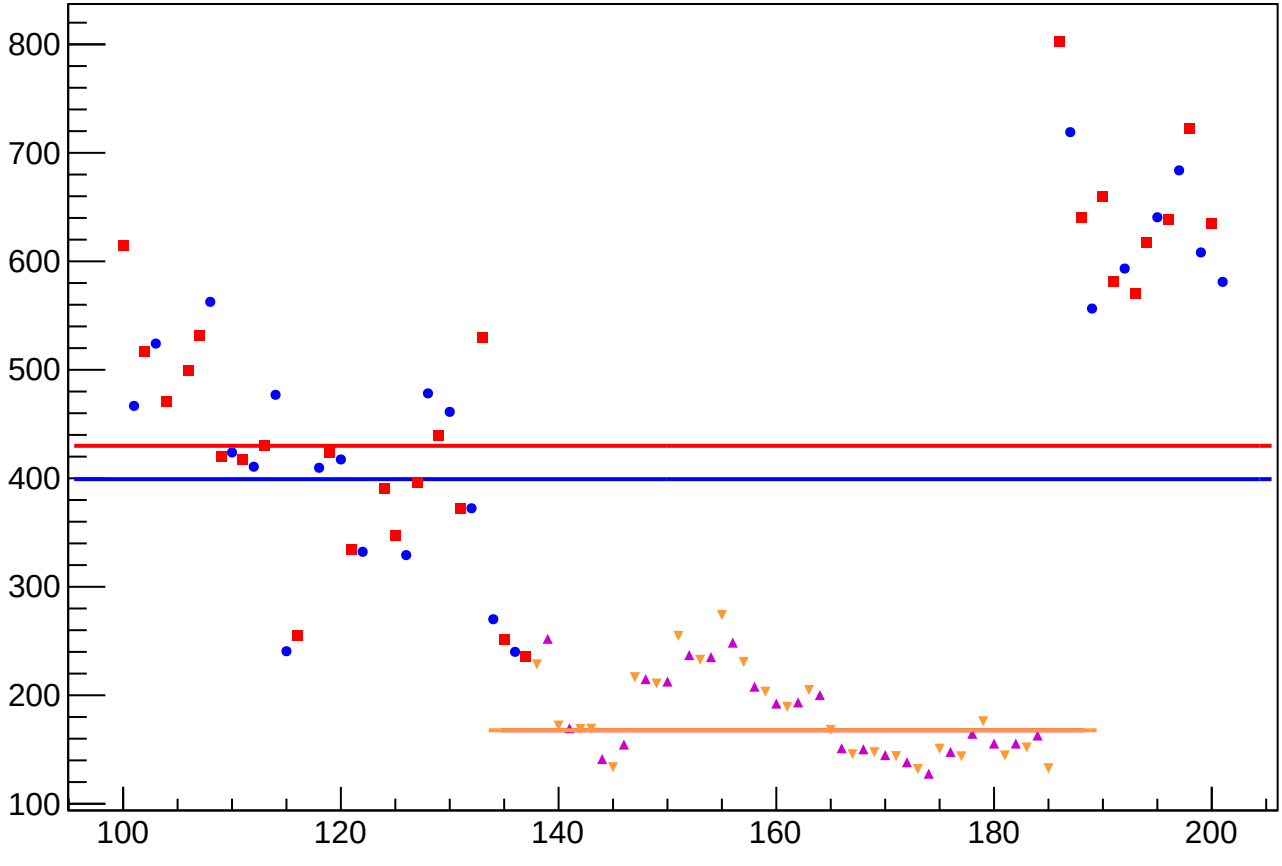
Right: -6.216+/-86.269 χ^2/NDF: 52.8/50

In: 5.218+/-38.034 χ^2/NDF:56.1/45

Out: 131.366+/-37.224 χ^2/NDF:102.7/52

All: 69.650+/-26.603 χ^2/NDF: 164.5/98

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: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

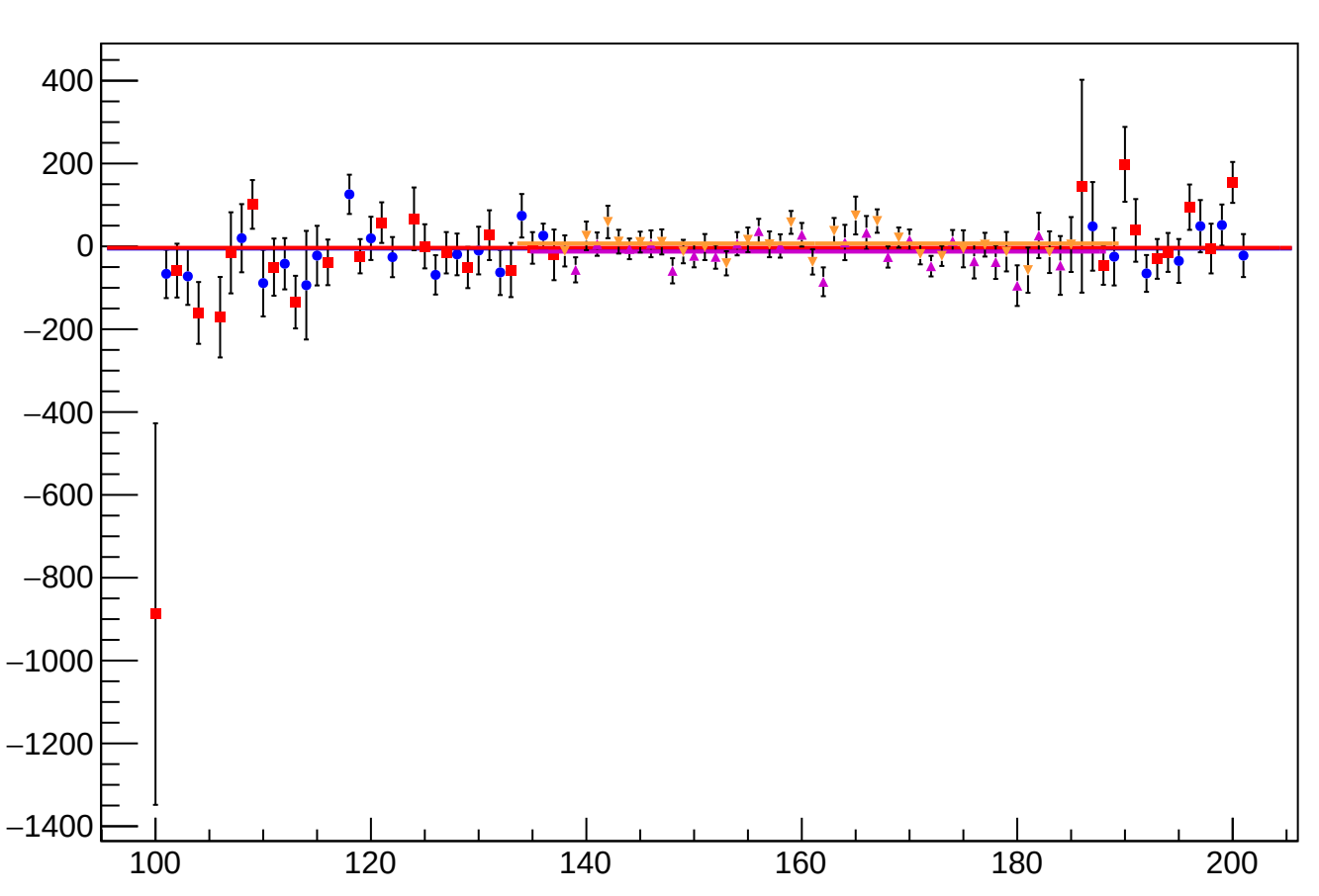
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 414.298+/-0.061 χ^2/NDF: 5364334.4/50

In: 190.678+/-0.027 χ^2/NDF:10643277.9/45

Out: 191.693+/-0.026 χ^2/NDF:12483391.4/52

All: 191.197+/-0.019 χ^2/NDF: 23127396.5/98



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: -3.439+/-11.047 χ^2/NDF: 45.0/27

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

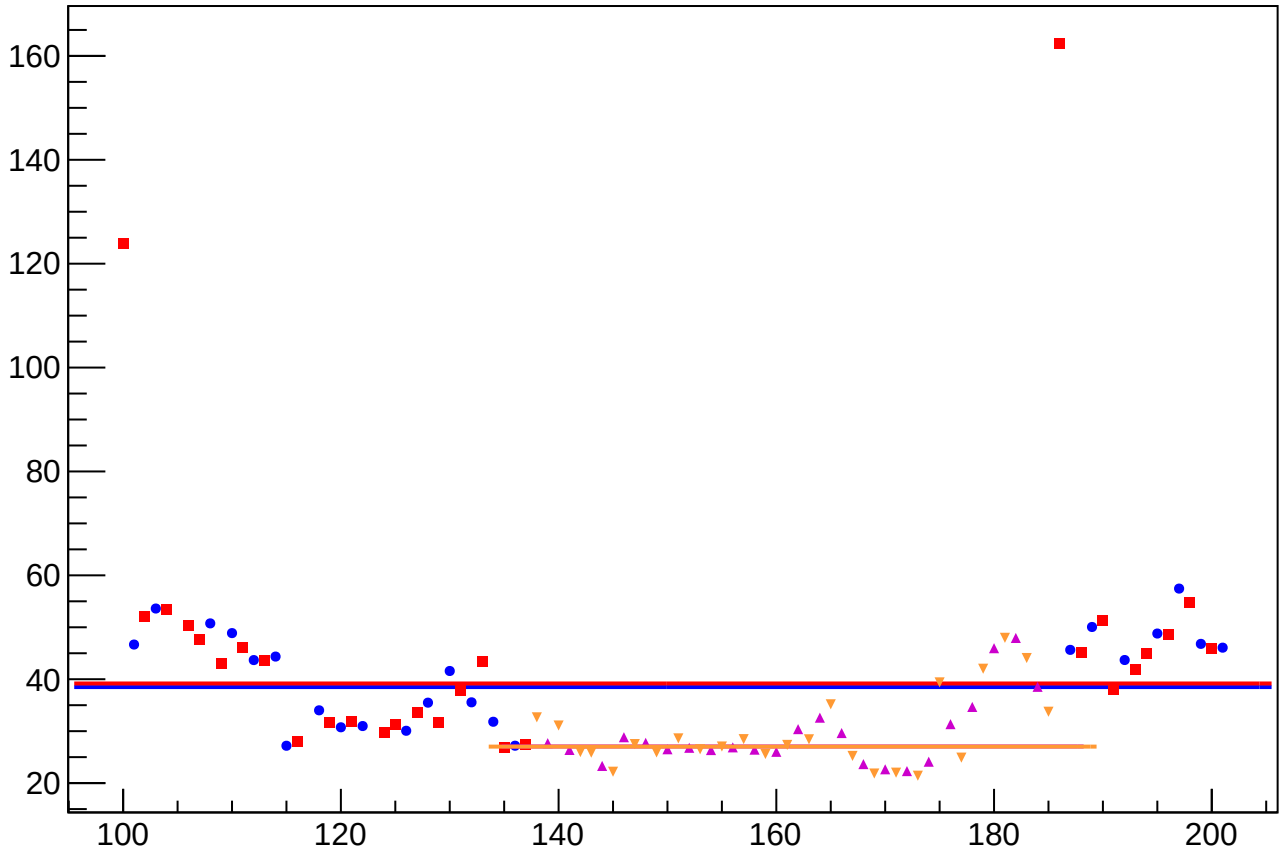
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -4.330+/-7.917 χ^2/NDF: 68.1/50

In: -10.858+/-5.650 χ^2/NDF:49.0/45

Out: 4.477+/-5.494 χ^2/NDF:68.4/52

All: -2.976+/-3.939 χ^2/NDF: 121.2/98



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: 39.180+/-0.008 χ^2/NDF: 1723054.0/27

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

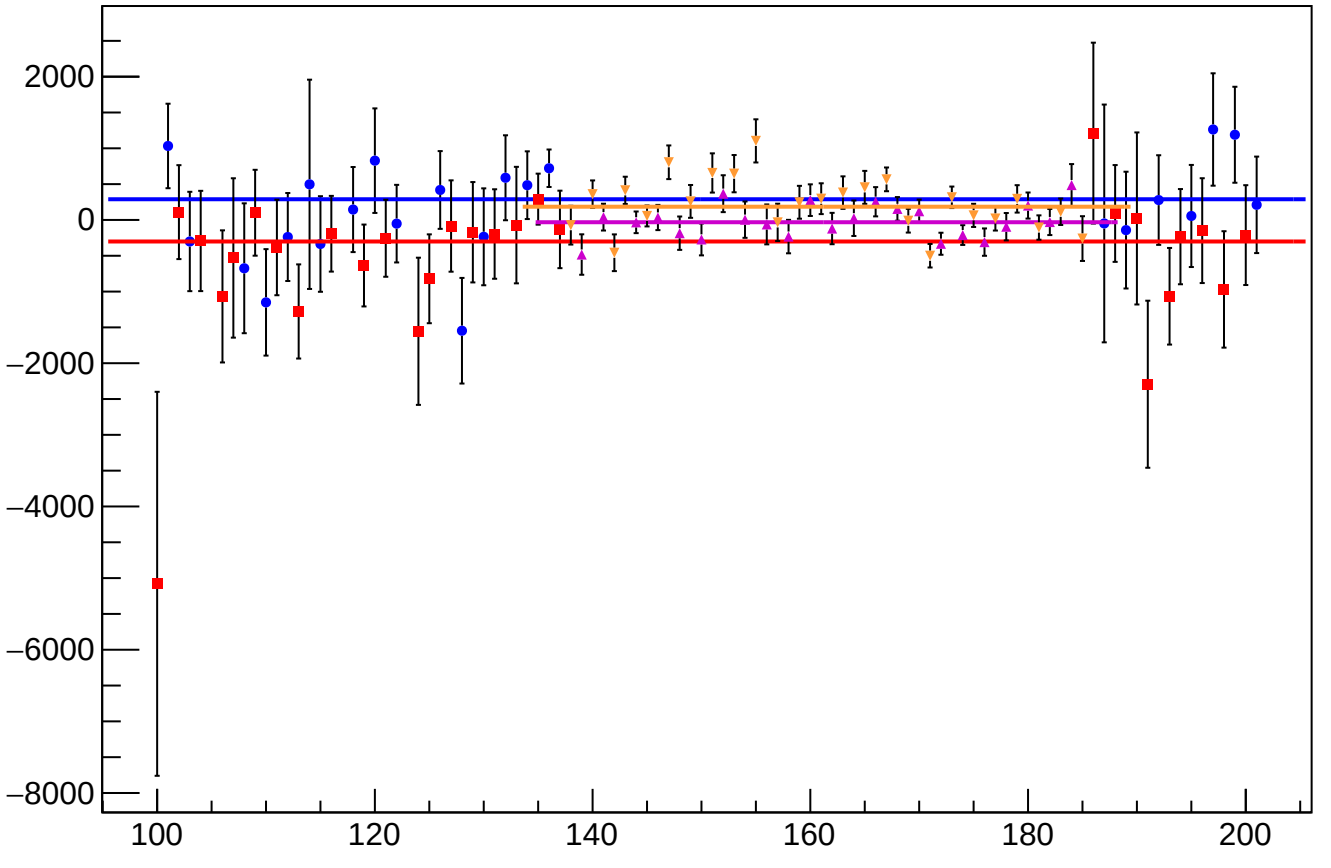
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 38.844+/-0.006 χ^2/NDF: 2979832.7/50

In: 29.885+/-0.004 χ^2/NDF:3824727.8/45

Out: 30.033+/-0.004 χ^2/NDF:4975632.9/52

All: 29.961+/-0.003 χ^2/NDF: 8801064.4/98



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: -300.816+/-127.495 χ^2/NDF: 19.5/27

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

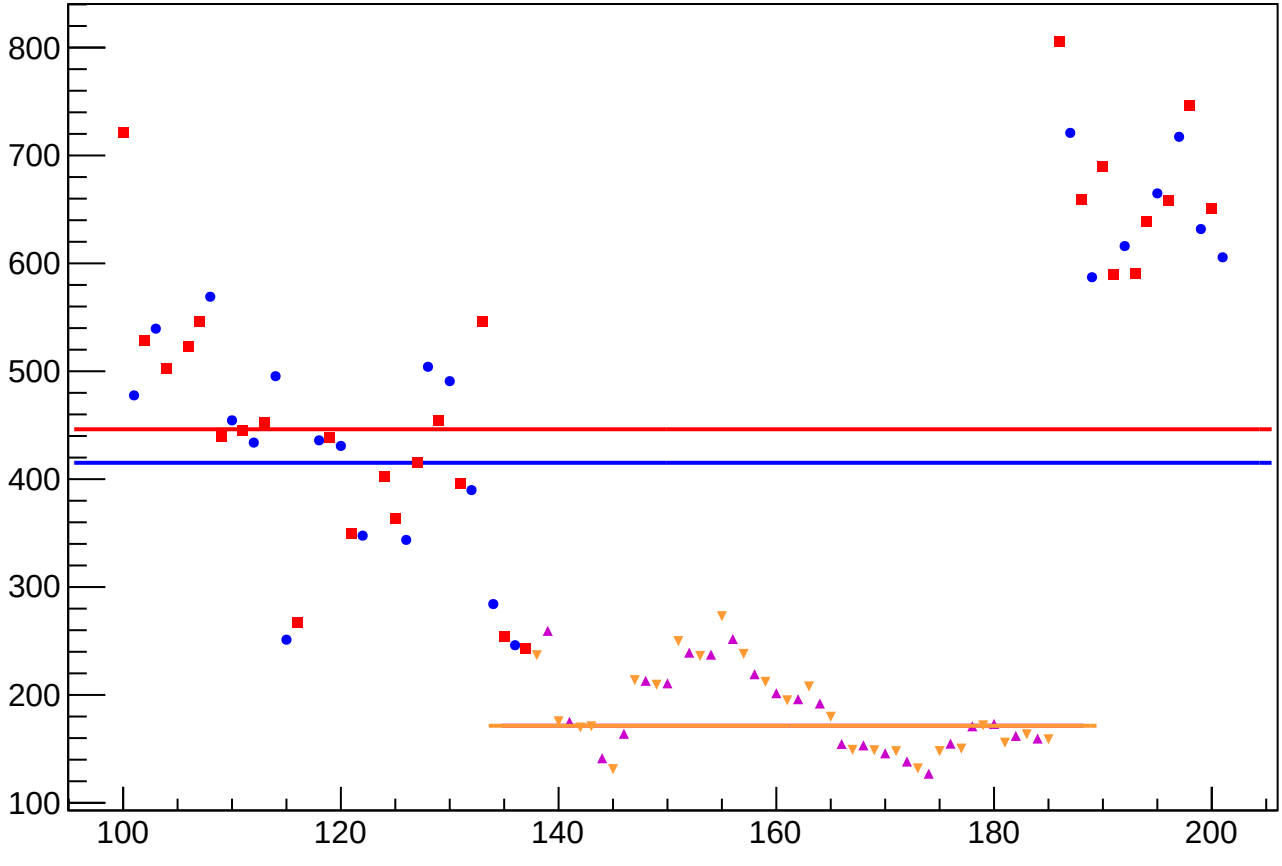
Right: -1.794+/-89.518 χ^2/NDF: 54.0/50

In: -1.082+/-38.958 χ^2/NDF:55.9/45

Out: 141.502+/-38.020 χ^2/NDF:100.4/52

All: 71.948+/-27.210 χ^2/NDF: 163.1/98

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: 446.252+/-0.090 χ^2/NDF: 2685512.3/27

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

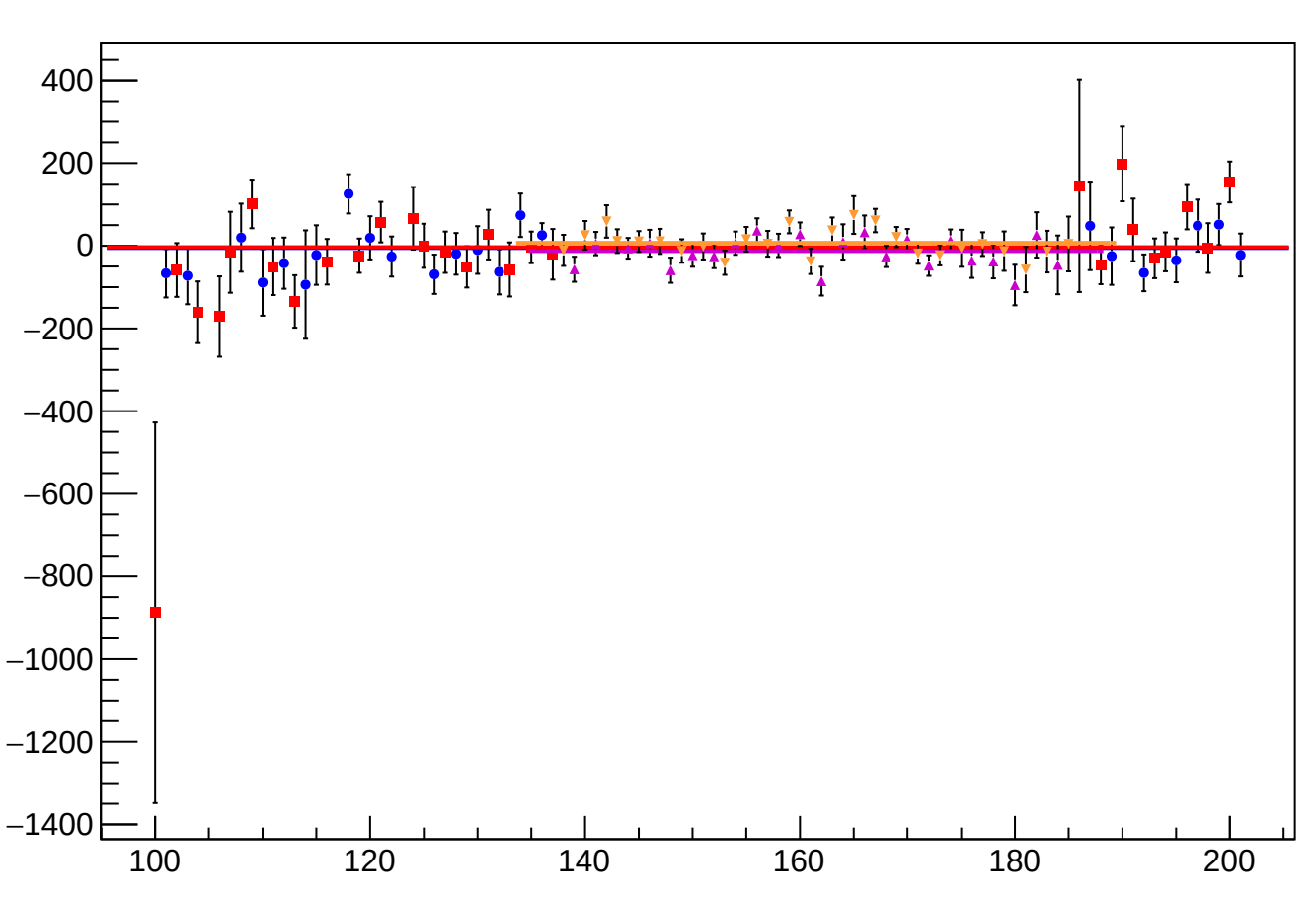
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 430.491+/-0.063 χ^2/NDF: 5414643.2/50

In: 194.890+/-0.028 χ^2/NDF:10876916.3/45

Out: 195.866+/-0.027 χ^2/NDF:12678929.0/52

All: 195.390+/-0.019 χ^2/NDF: 23556488.7/98



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: -3.439+/-11.047 χ^2/NDF: 45.0/27

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

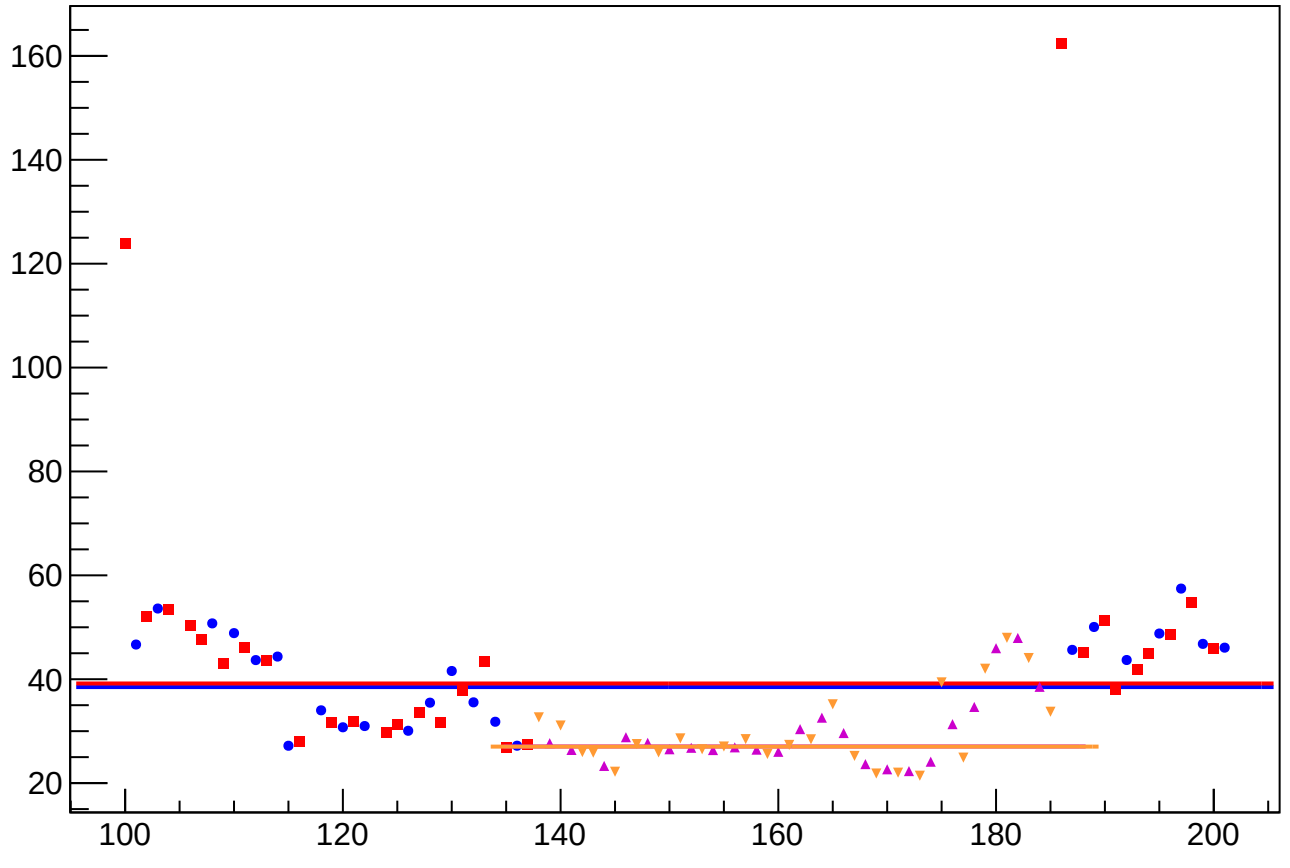
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -4.331+/-7.917 χ^2/NDF: 68.1/50

In: -10.858+/-5.650 χ^2/NDF:49.0/45

Out: 4.477+/-5.494 χ^2/NDF:68.4/52

All: -2.977+/-3.939 χ^2/NDF: 121.2/98



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: 39.180+/-0.008 χ^2/NDF: 1723067.4/27

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

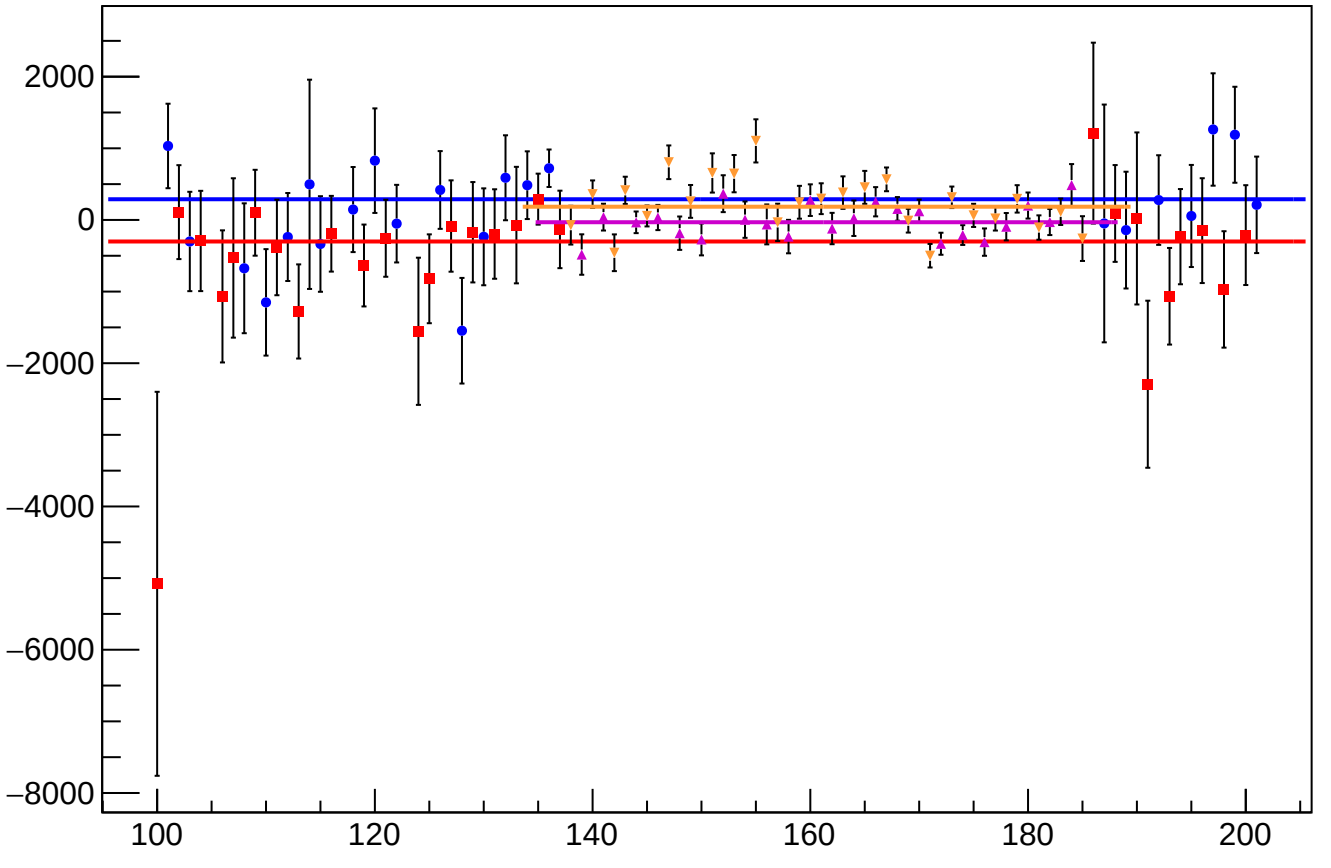
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 38.844+/-0.006 χ^2/NDF: 2979852.2/50

In: 29.885+/-0.004 χ^2/NDF:3824604.3/45

Out: 30.033+/-0.004 χ^2/NDF:4975543.7/52

All: 29.961+/-0.003 χ^2/NDF: 8800852.1/98



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: -300.816+/-127.495 χ^2/NDF: 19.5/27

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

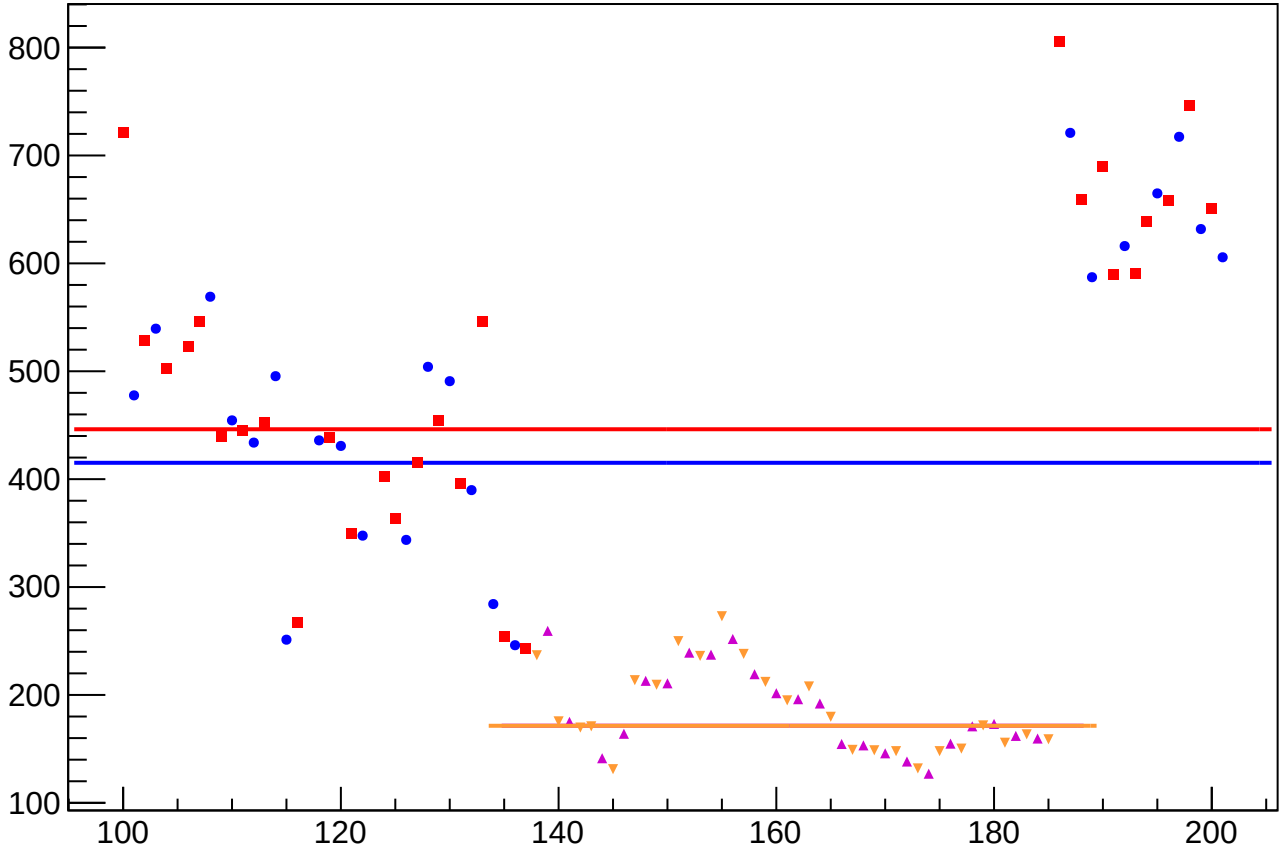
Right: -1.795+/-89.518 χ^2/NDF: 54.0/50

In: -1.082+/-38.958 χ^2/NDF:55.9/45

Out: 141.501+/-38.020 χ^2/NDF:100.4/52

All: 71.947+/-27.210 χ^2/NDF: 163.1/98

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: 446.251+/-0.090 χ^2/NDF: 2685521.3/27

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

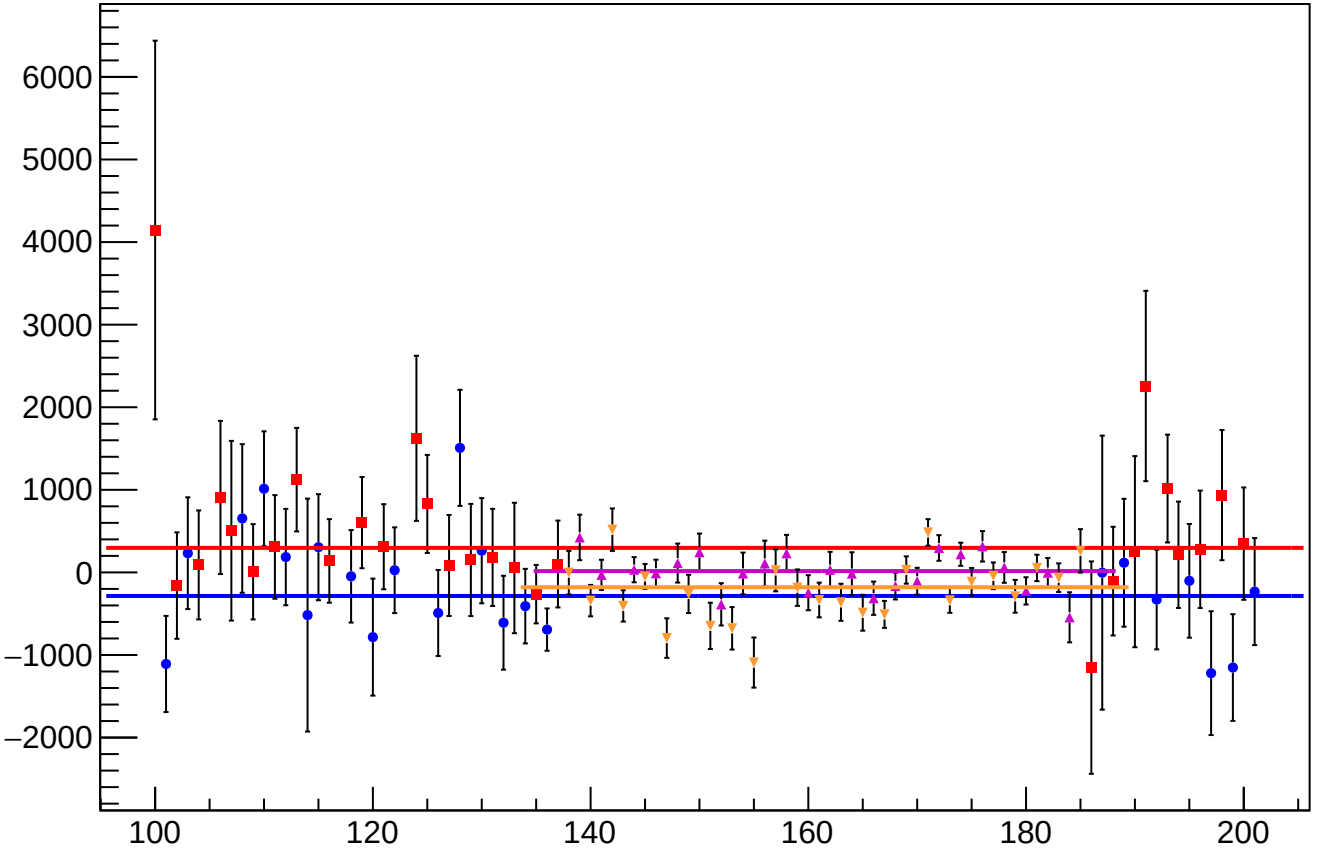
Right: 430.490+/-0.063 χ^2/NDF: 5414656.9/50

In: 194.889+/-0.028 χ^2/NDF:10876947.1/45

Out: 195.865+/-0.027 χ^2/NDF:12678964.7/52

All: 195.389+/-0.019 χ^2/NDF: 23556555.3/98

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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: 297.239+/-123.430 χ^2/NDF: 18.2/27

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

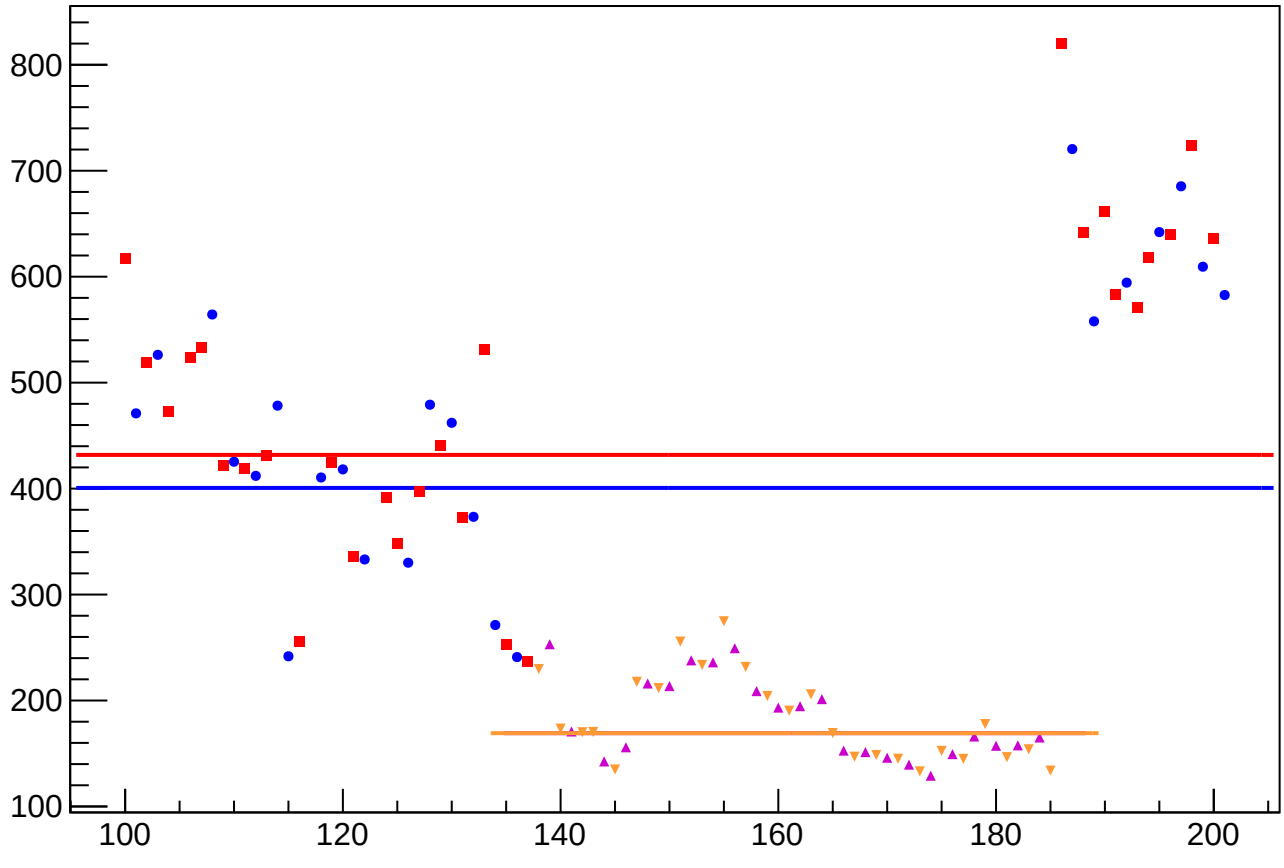
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 0.810+/-86.494 χ^2/NDF: 53.3/50

In: -14.045+/-38.325 χ^2/NDF:56.0/45

Out: -135.630+/-37.503 χ^2/NDF:98.9/52

All: -76.156+/-26.804 χ^2/NDF: 160.0/98



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: 431.801+/-0.087 χ^2/NDF: 2682460.2/27

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

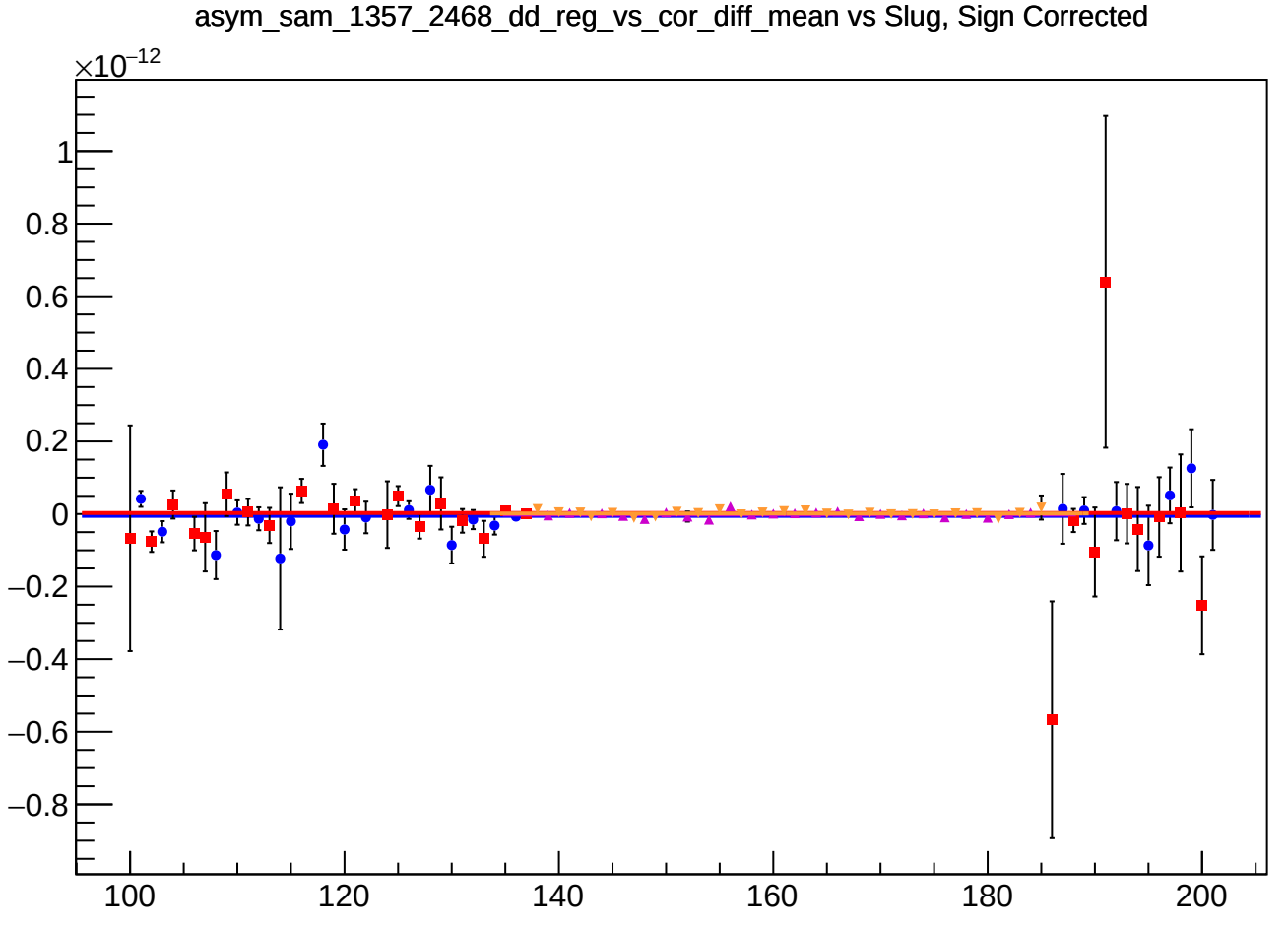
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 415.943+/-0.061 χ^2/NDF: 5367753.2/50

In: 192.314+/-0.027 χ^2/NDF:10555466.1/45

Out: 193.426+/-0.027 χ^2/NDF:12448405.5/52

All: 192.882+/-0.019 χ^2/NDF: 23004731.2/98



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: 32.9/27

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

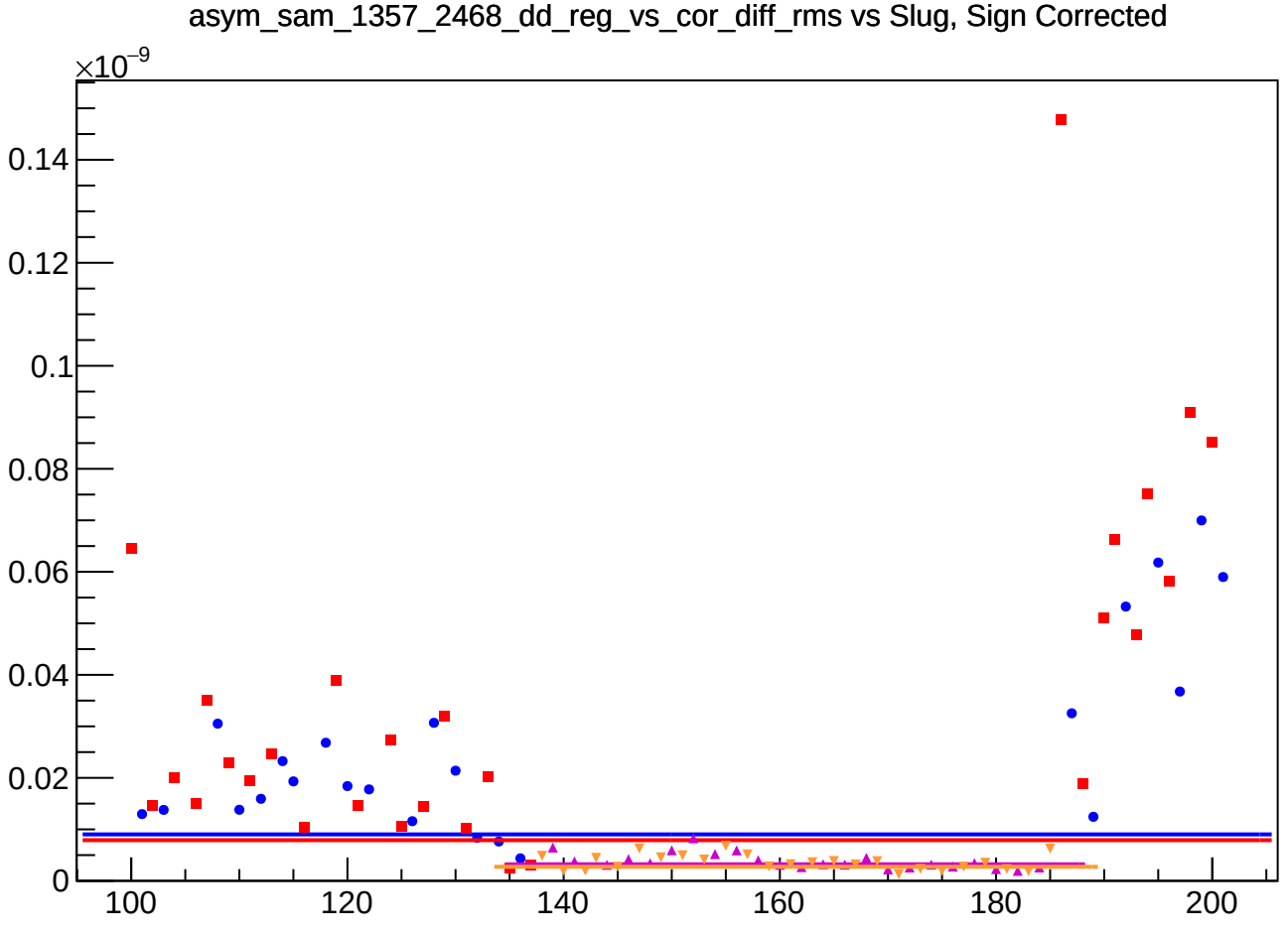
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/50

In: -0.000+/-0.000 χ^2/NDF:50.2/45

Out: 0.000+/-0.000 χ^2/NDF:51.8/52

All: 0.000+/-0.000 χ^2/NDF: 105.3/98



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: 7108595.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

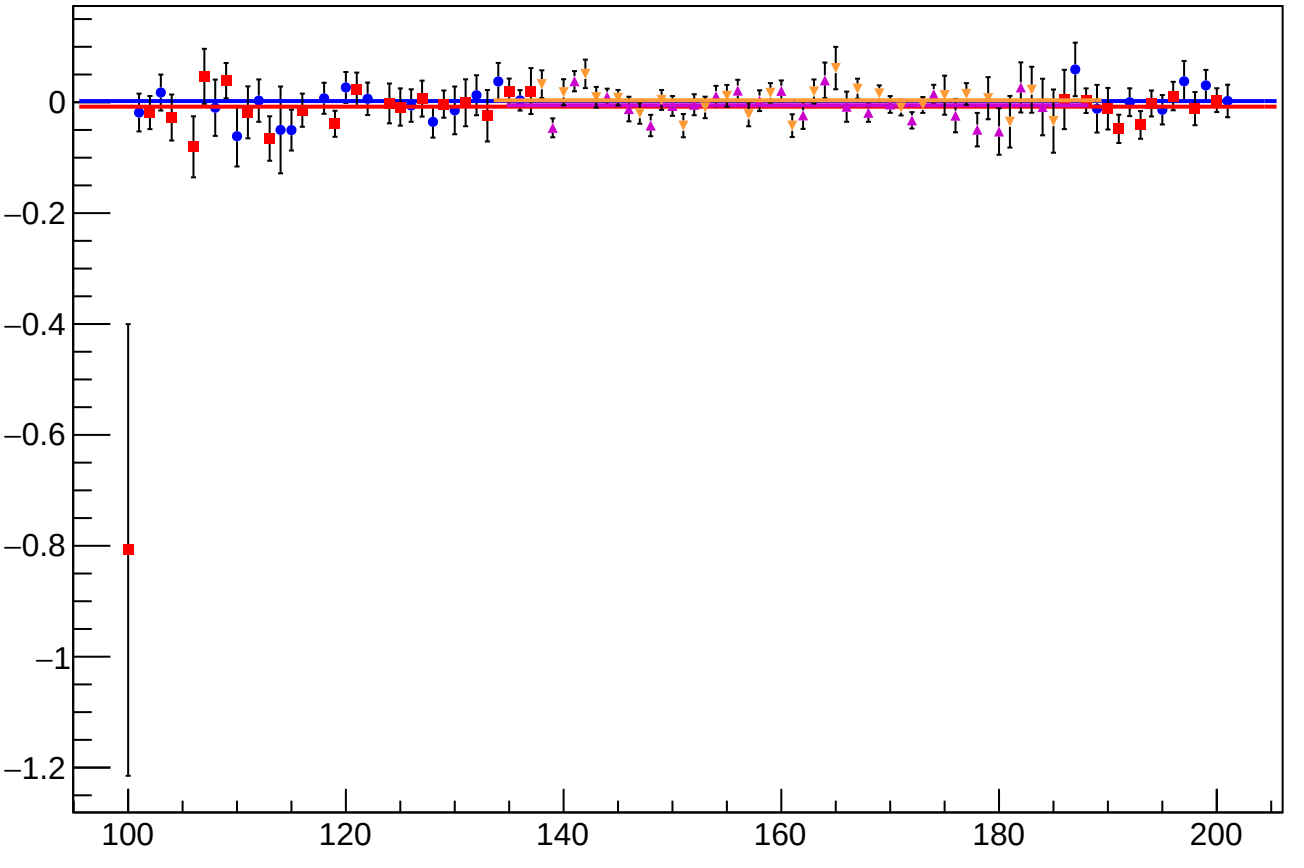
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11815717.2/50

In: 0.000+/-0.000 χ^2/NDF:8081156.1/45

Out: 0.000+/-0.000 χ^2/NDF:10757823.7/52

All: 0.000+/-0.000 χ^2/NDF: 19059840.7/98



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: 21.7/27

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

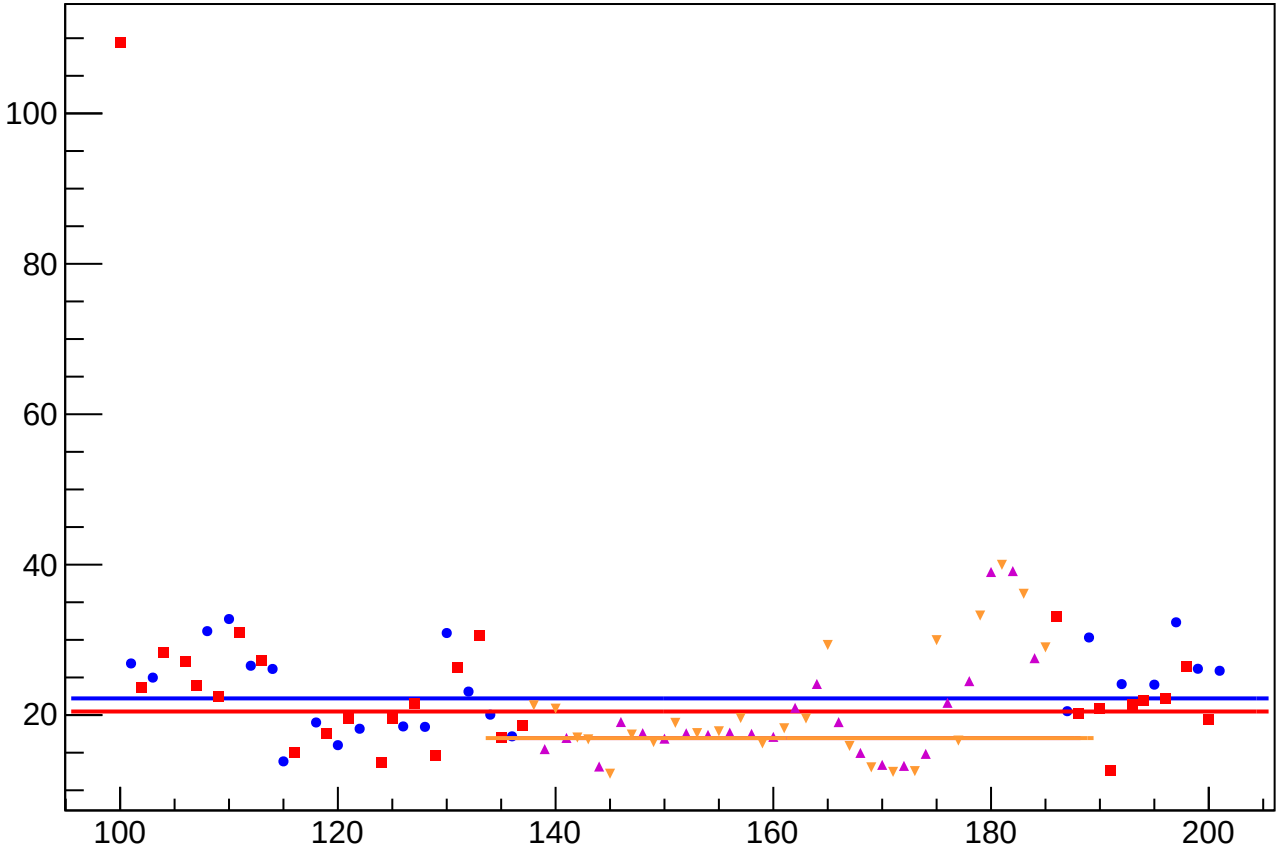
Right: -0.004+/-0.004 χ^2/NDF: 35.3/50

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.1/98

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: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

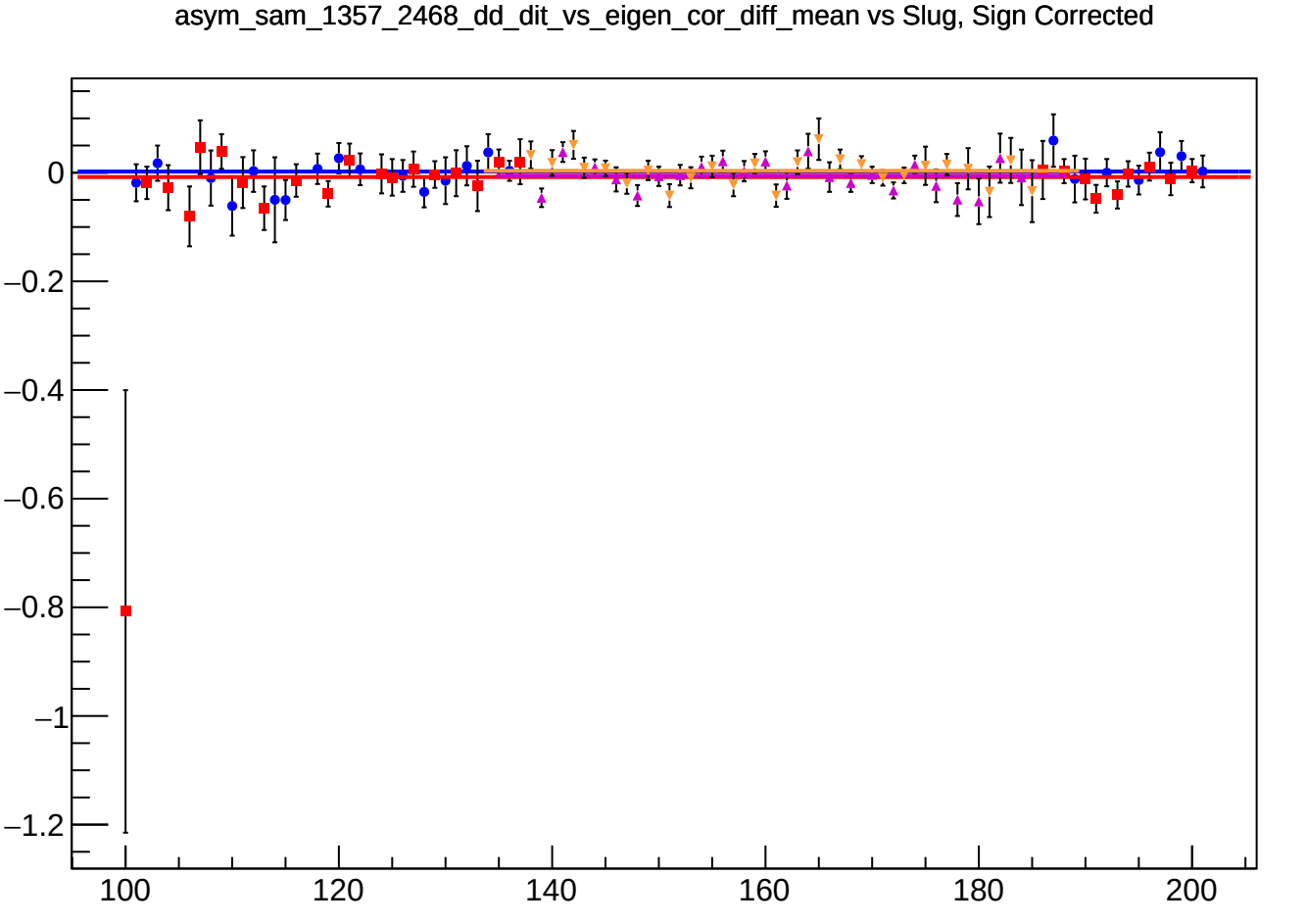
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.238+/-0.003 χ^2/NDF: 2462225.9/50

In: 18.440+/-0.003 χ^2/NDF:3952968.3/45

Out: 18.093+/-0.002 χ^2/NDF:4597645.9/52

All: 18.257+/-0.002 χ^2/NDF: 8560707.0/98



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: 21.7/27

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

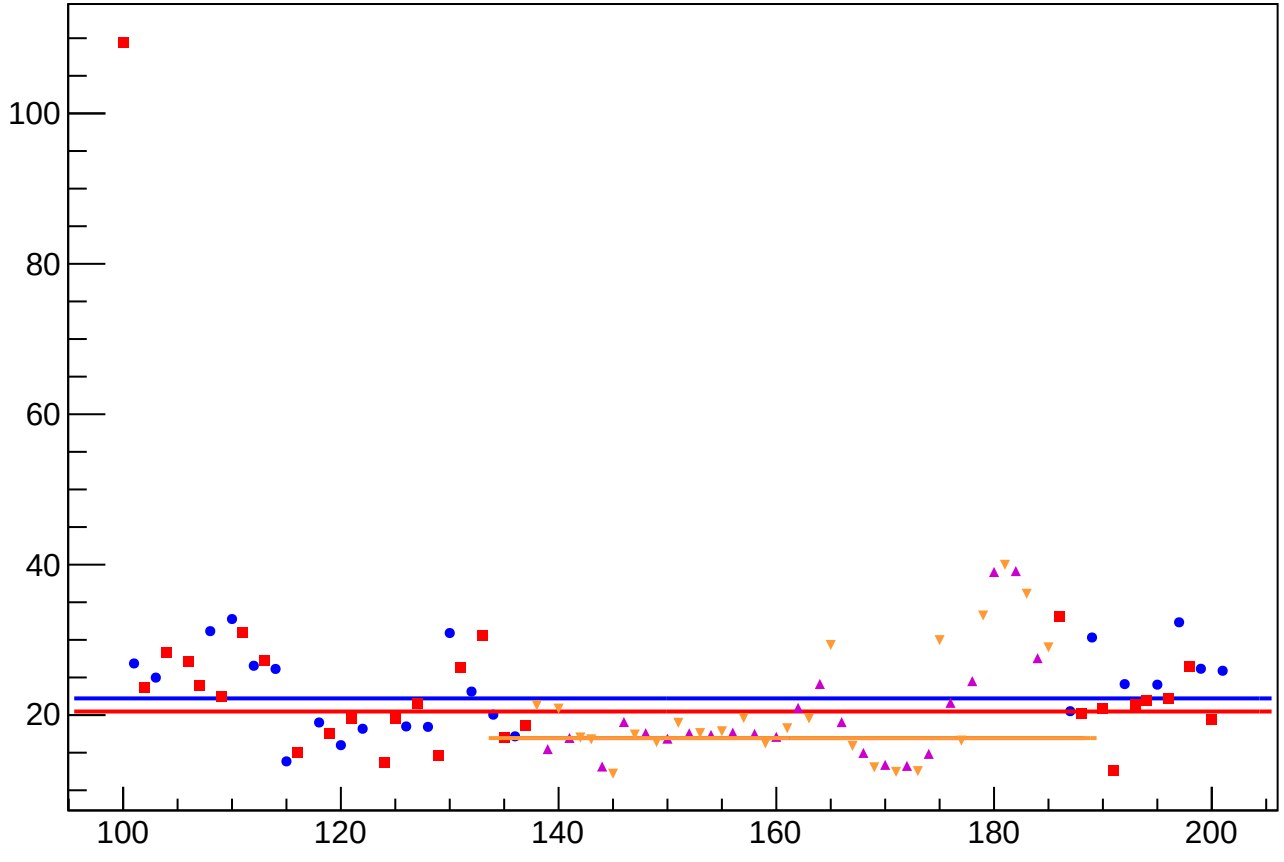
Right: -0.004+/-0.004 χ^2/NDF: 35.3/50

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.1/98

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: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

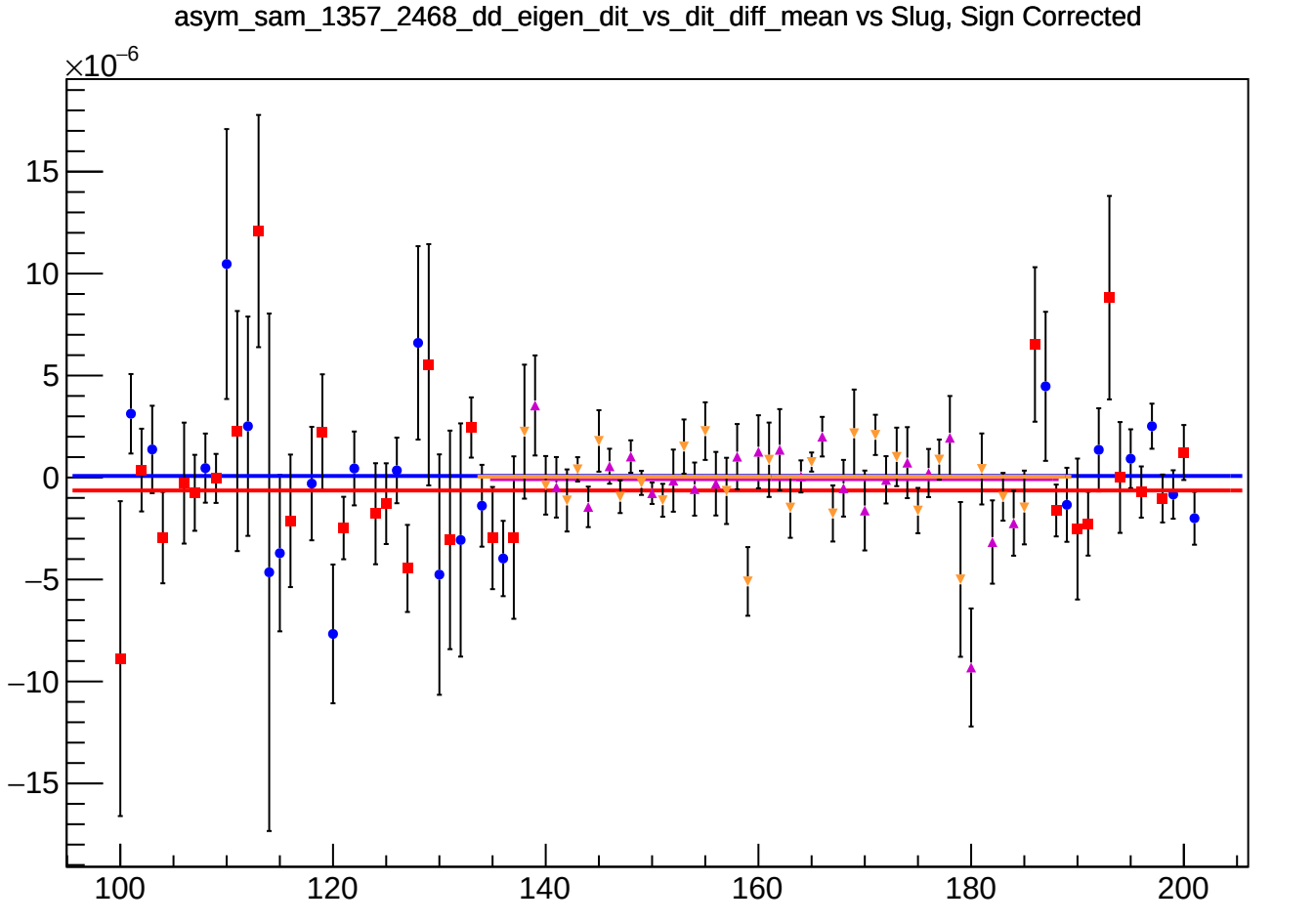
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.238+/-0.003 χ^2/NDF: 2462225.9/50

In: 18.440+/-0.003 χ^2/NDF:3952968.3/45

Out: 18.093+/-0.002 χ^2/NDF:4597645.9/52

All: 18.257+/-0.002 χ^2/NDF: 8560707.0/98



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: 32.2/27

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

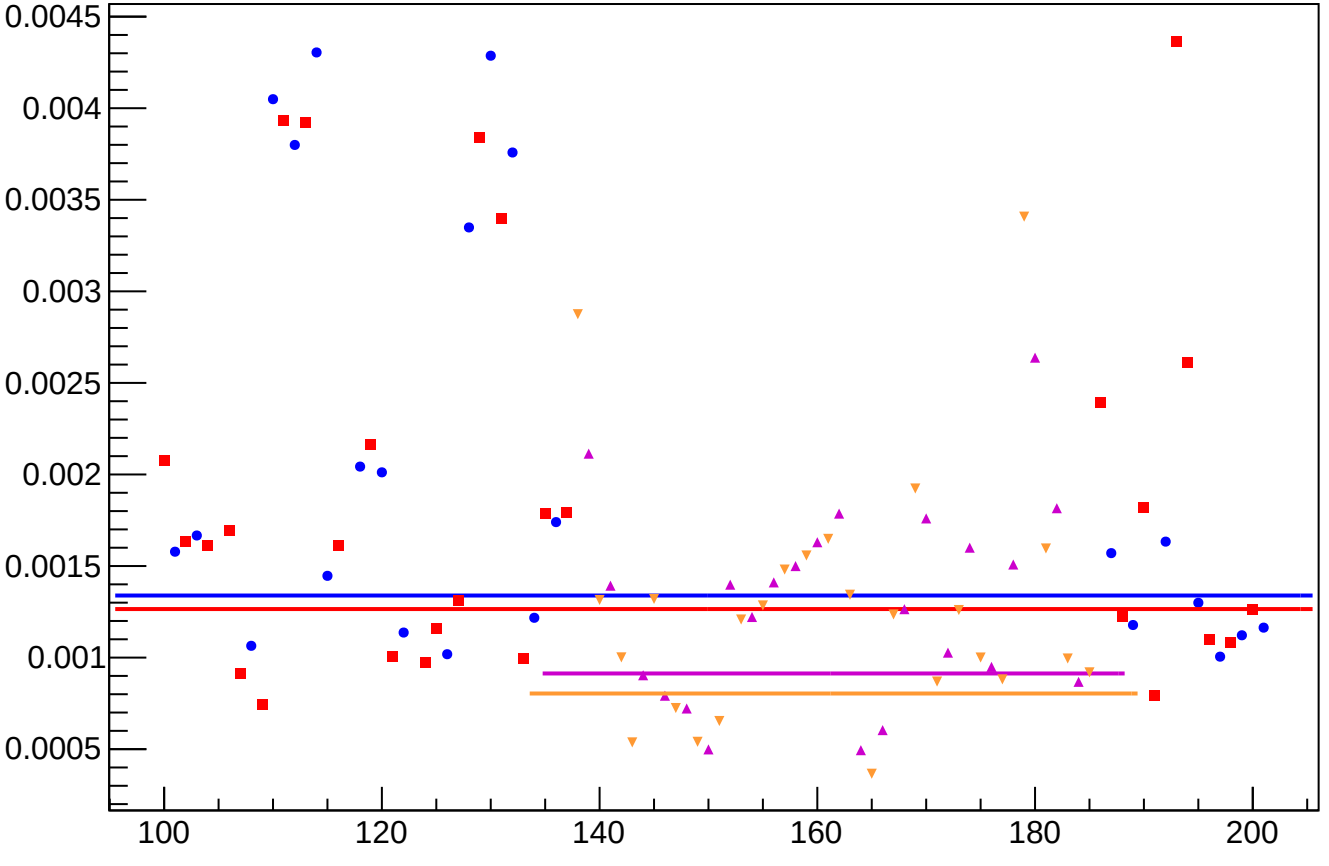
Right: -0.000+/-0.000 χ^2/NDF: 64.7/50

In: -0.000+/-0.000 χ^2/NDF:62.0/45

Out: -0.000+/-0.000 χ^2/NDF:71.8/52

All: -0.000+/-0.000 χ^2/NDF: 133.9/98

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: 4430036.6/27

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

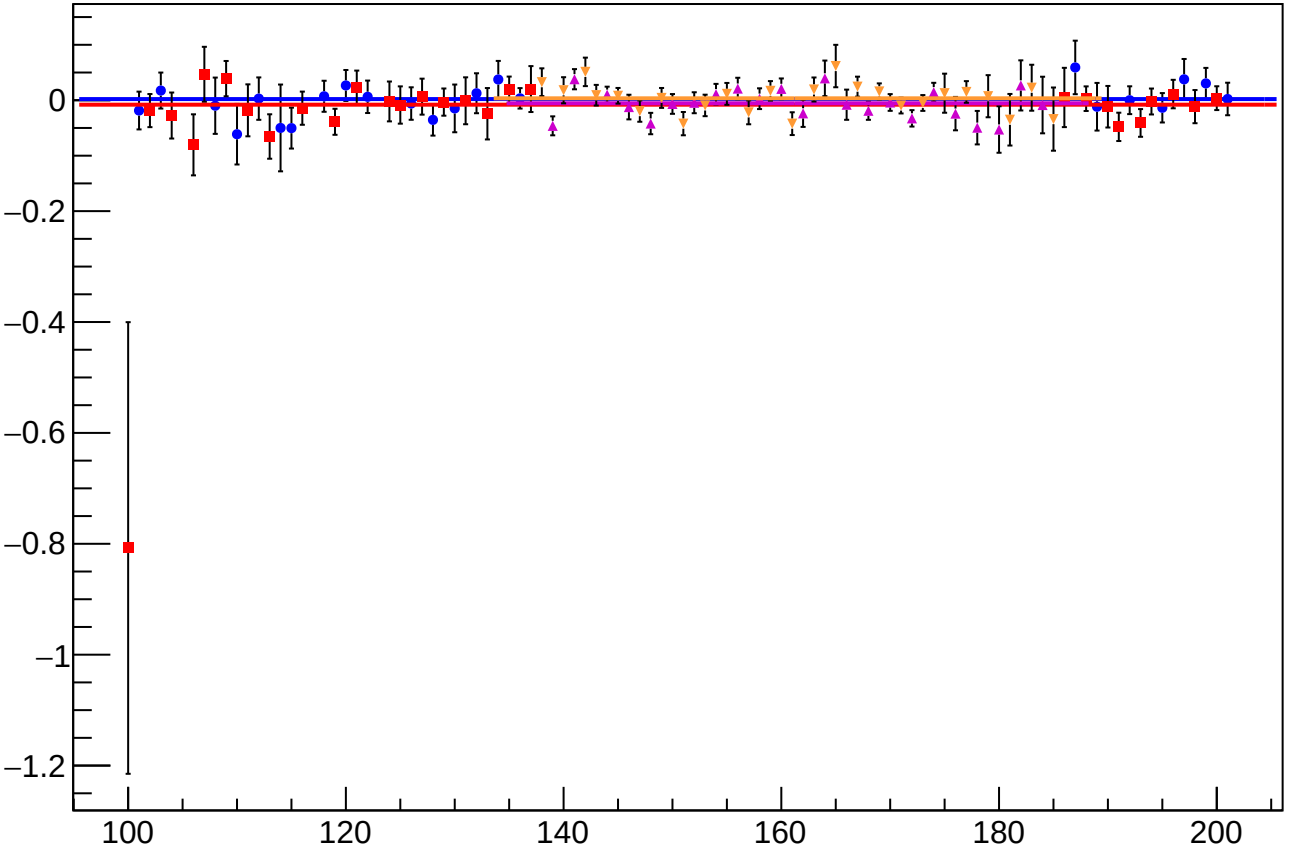
Right: 0.001+/-0.000 χ^2/NDF: 7440898.9/50

In: 0.001+/-0.000 χ^2/NDF:10971612.4/45

Out: 0.001+/-0.000 χ^2/NDF:14947321.0/52

All: 0.001+/-0.000 χ^2/NDF: 26234047.2/98

asym_sam_1357_2468_dd_eigen_dit_vs_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: 21.7/27

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

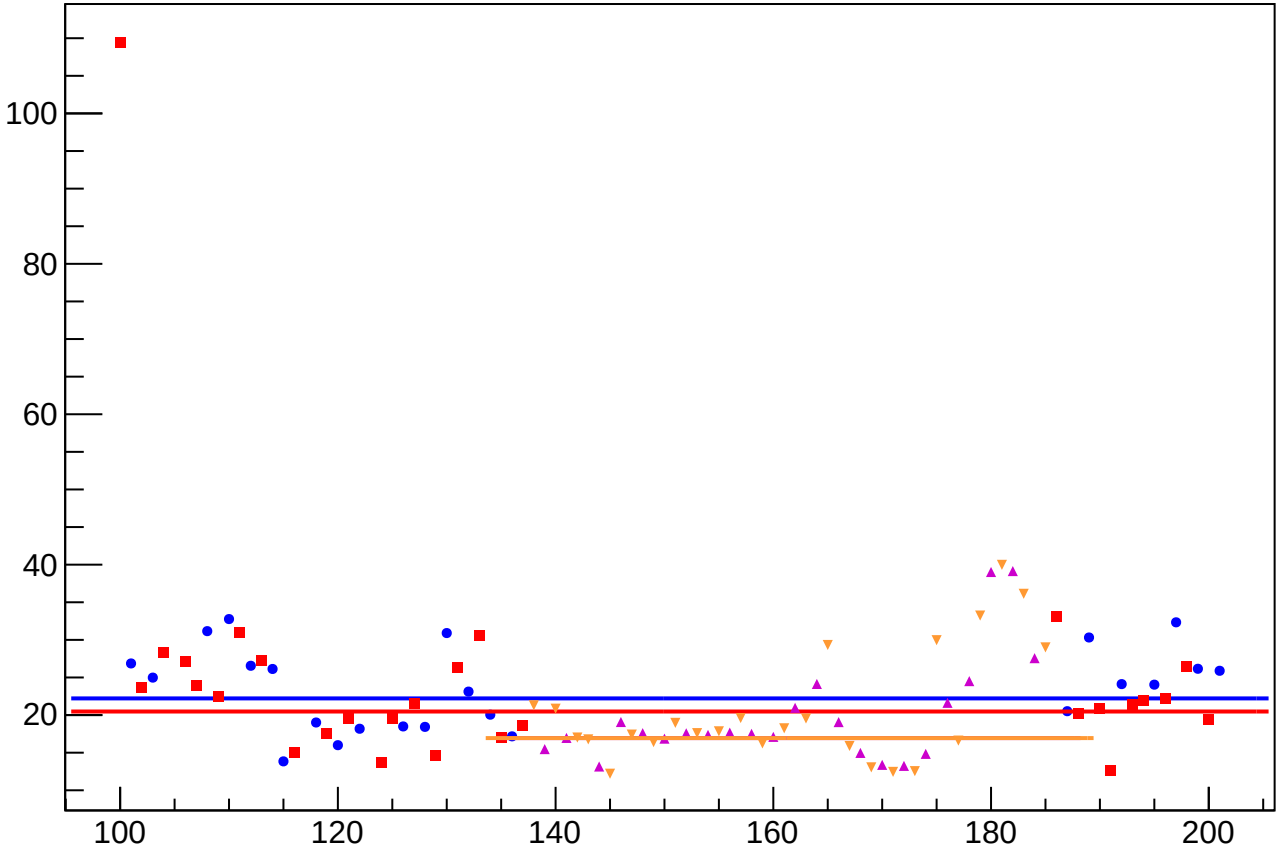
Right: -0.004+/-0.004 χ^2/NDF: 35.3/50

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/98

asym_sam_1357_2468_dd_eigen_dit_vs_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: 20.474+/-0.004 χ^2/NDF: 1273119.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

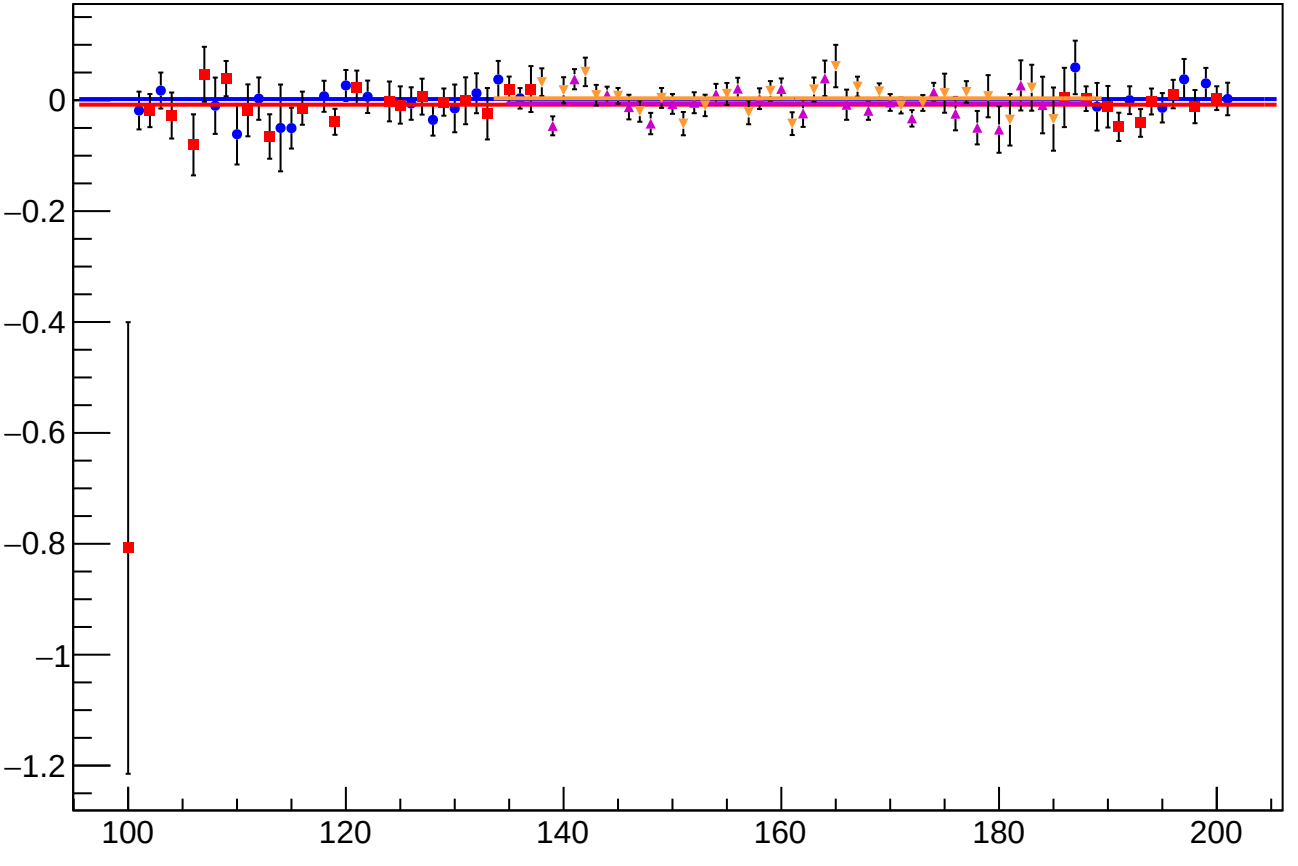
Right: 21.237+/-0.003 χ^2/NDF: 2462203.8/50

In: 18.439+/-0.003 χ^2/NDF:3952773.0/45

Out: 18.093+/-0.002 χ^2/NDF:4597511.7/52

All: 18.257+/-0.002 χ^2/NDF: 8560375.7/98

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: 21.7/27

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

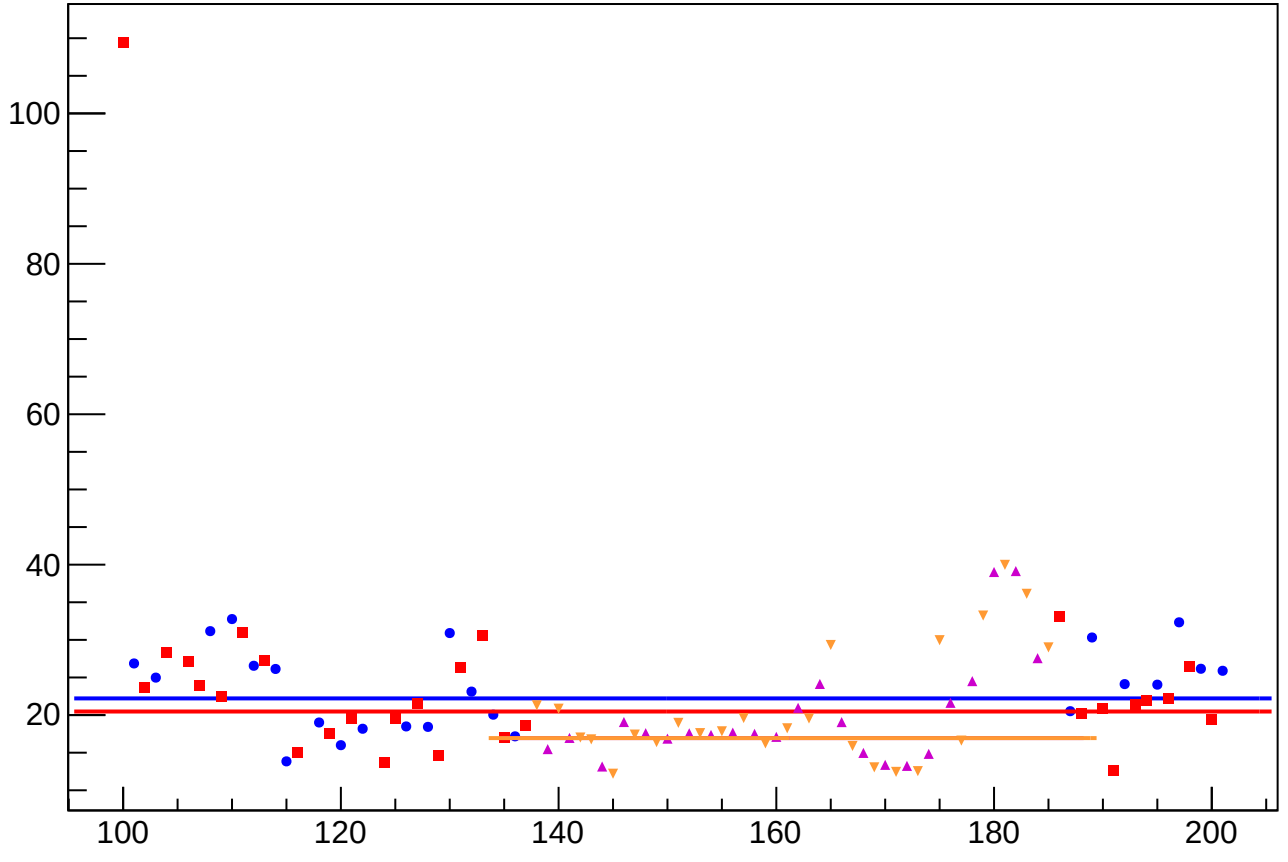
Right: -0.004+/-0.004 χ^2/NDF: 35.3/50

In: -0.003+/-0.004 χ^2/NDF:46.4/45

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/98

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: 20.474+/-0.004 χ^2/NDF: 1273119.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

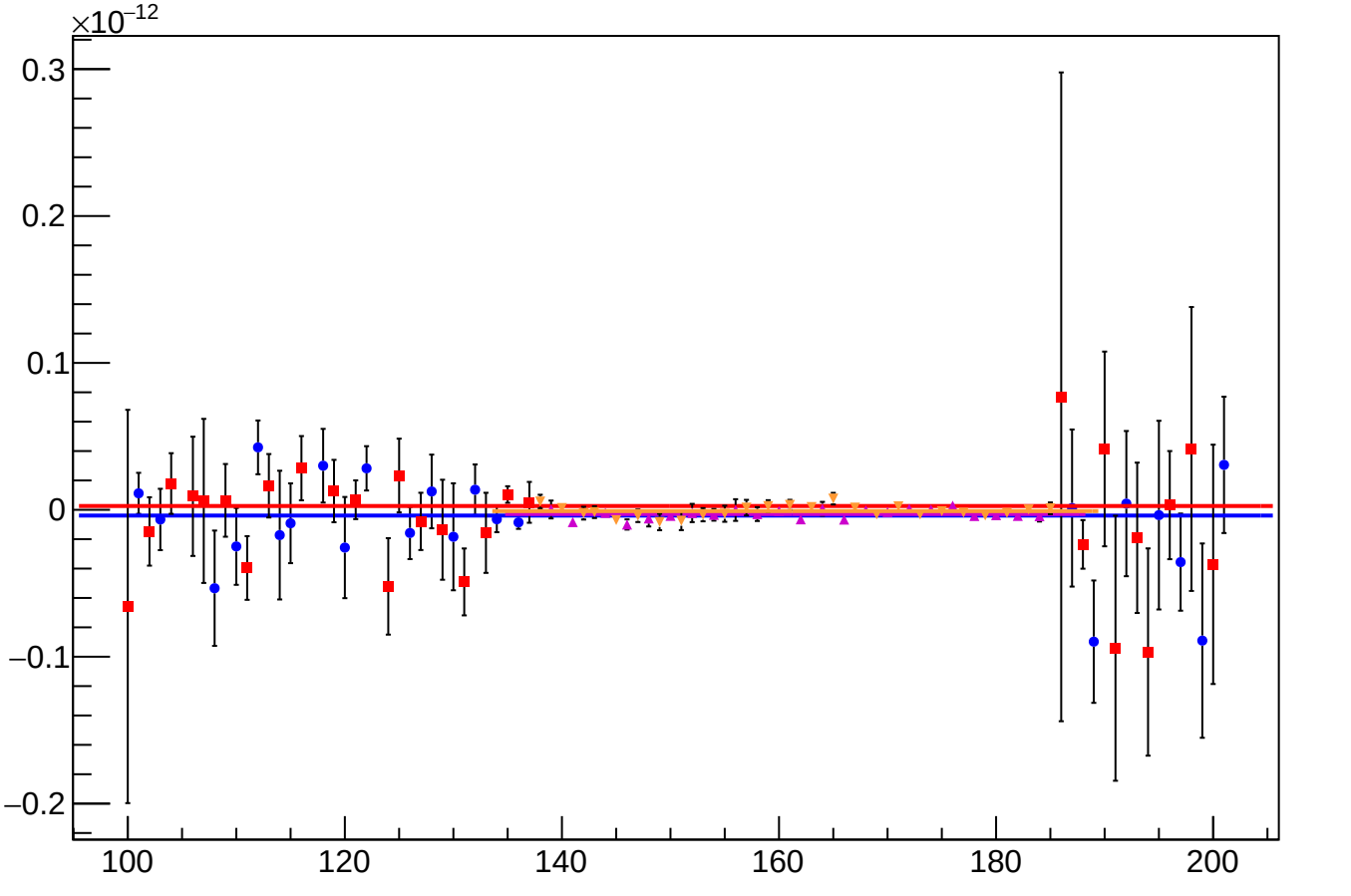
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

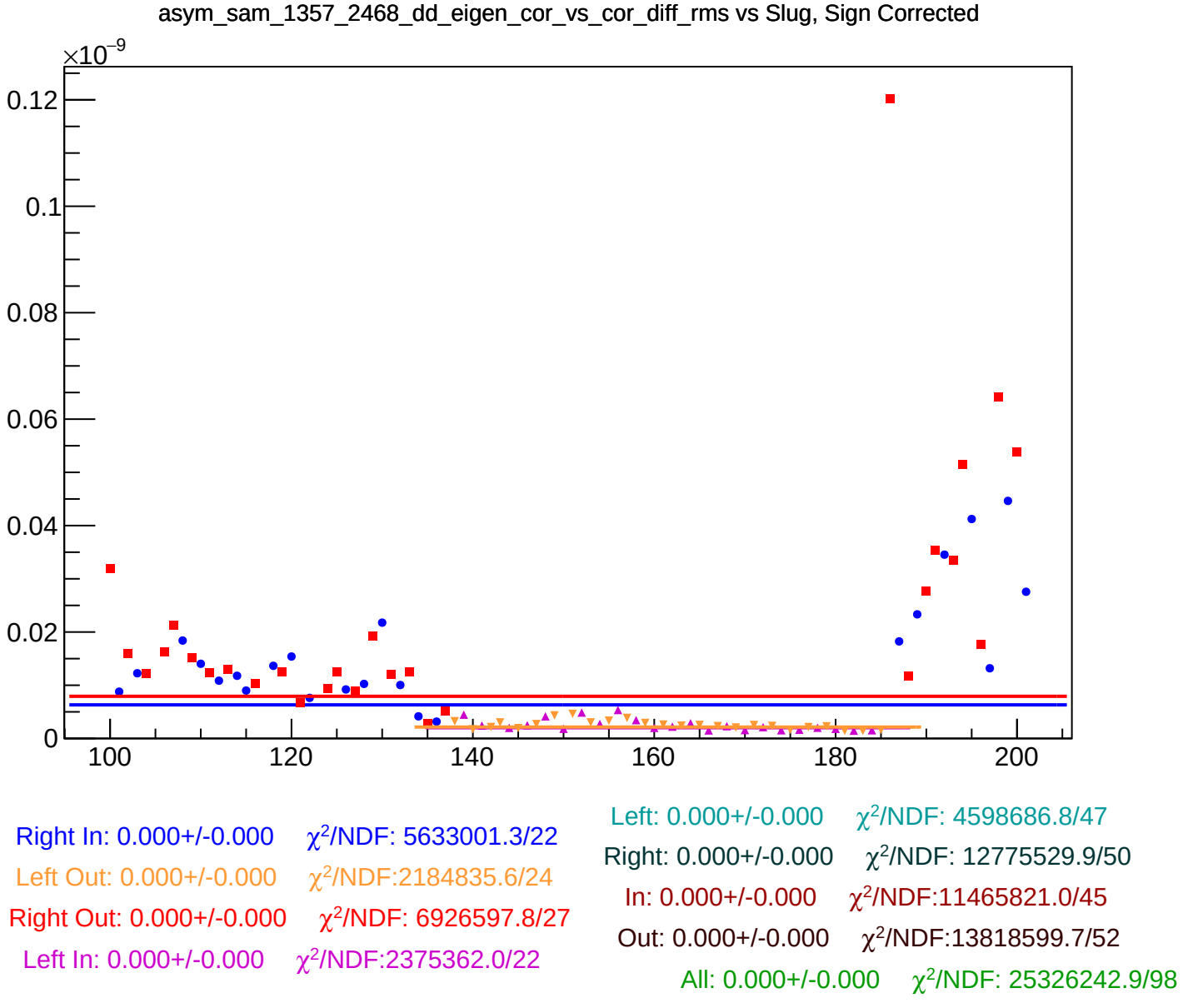
Right: 21.237+/-0.003 χ^2/NDF: 2462203.8/50

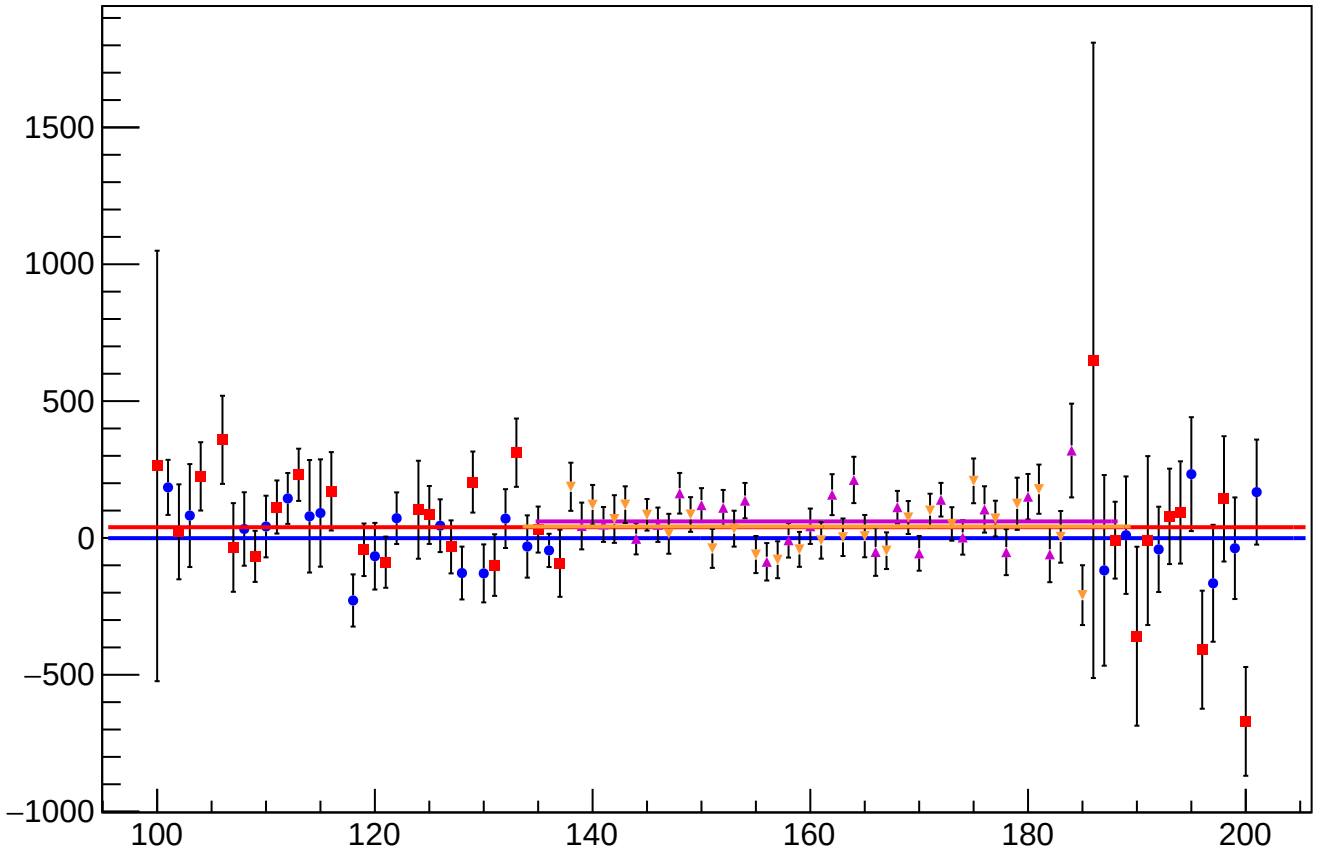
In: 18.439+/-0.003 χ^2/NDF:3952773.0/45

Out: 18.093+/-0.002 χ^2/NDF:4597511.7/52

All: 18.257+/-0.002 χ^2/NDF: 8560375.7/98


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: 25.5/27
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: 54.7/50
In: -0.000+/-0.000 χ²/NDF:50.7/45
Out: -0.000+/-0.000 χ²/NDF:50.0/52
All: -0.000+/-0.000 χ²/NDF: 106.4/98


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 5633001.3/22
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6926597.8/27
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 12775529.9/50
In: 0.000+/-0.000 χ²/NDF:11465821.0/45
Out: 0.000+/-0.000 χ²/NDF:13818599.7/52
All: 0.000+/-0.000 χ²/NDF: 25326242.9/98



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: 39.209+/-24.728 χ^2/NDF: 45.6/27

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

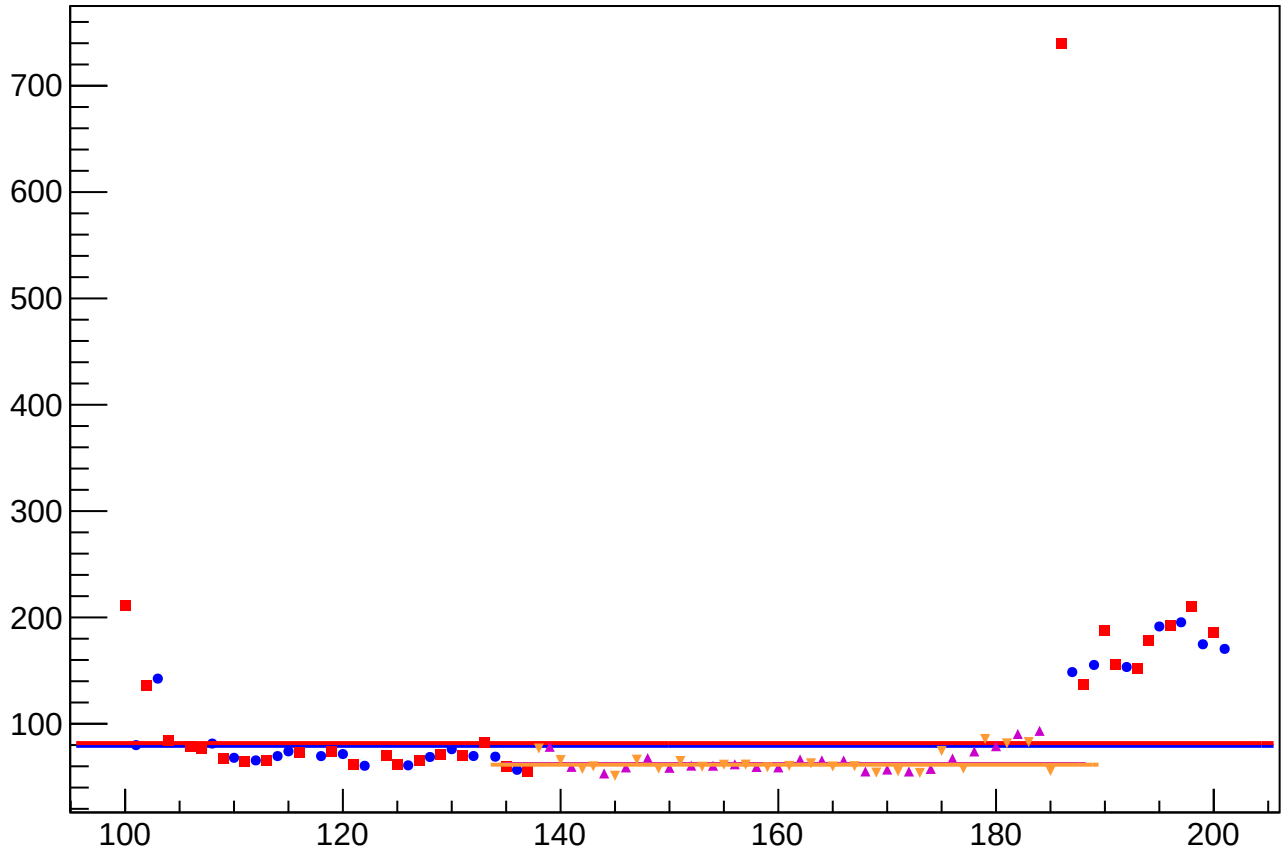
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 19.257+/-17.506 χ^2/NDF: 67.4/50

In: 44.439+/-12.652 χ^2/NDF:57.3/45

Out: 41.318+/-12.302 χ^2/NDF:77.6/52

All: 42.835+/-8.820 χ^2/NDF: 134.9/98



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: 81.841+/-0.017 χ^2/NDF: 4776348.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

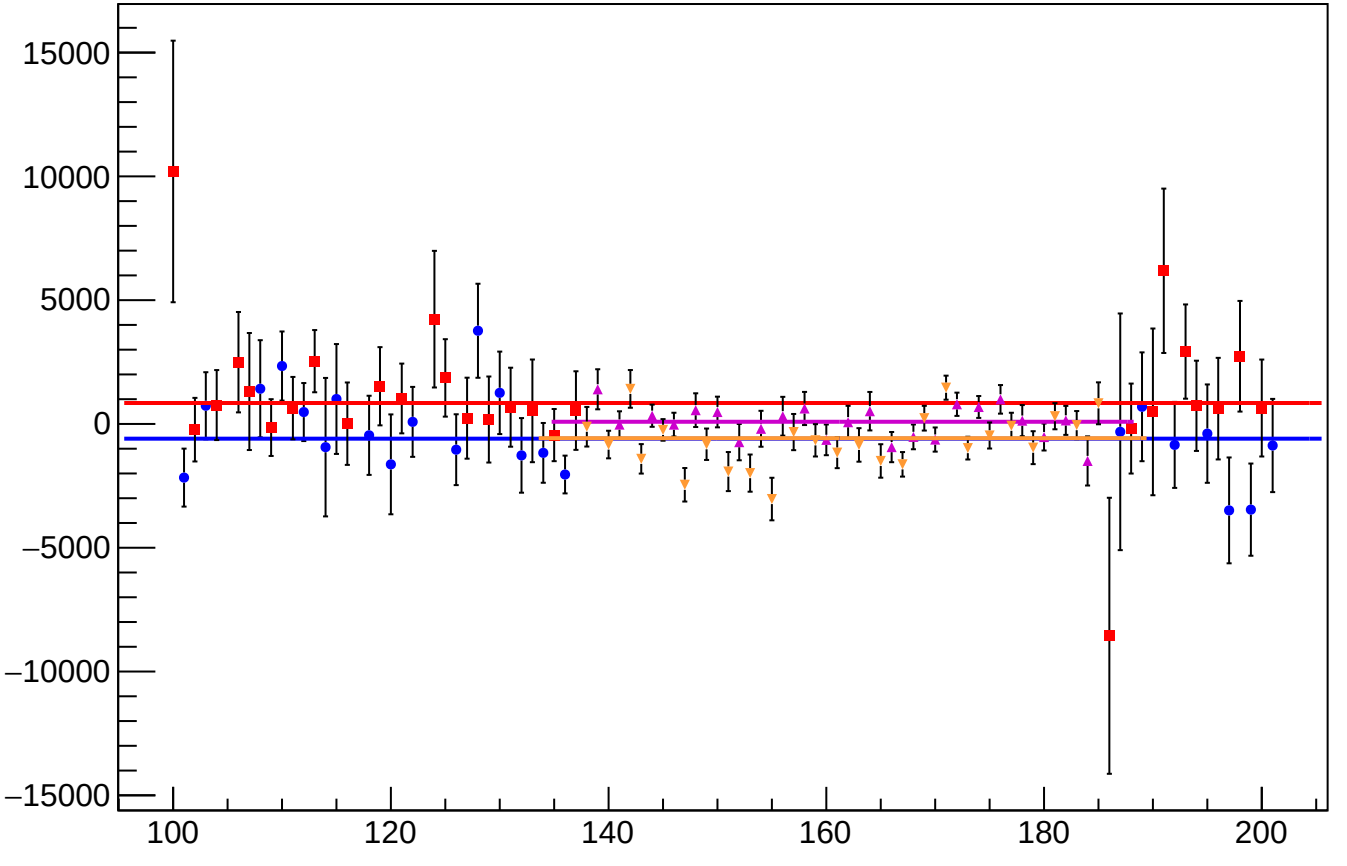
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 80.552+/-0.012 χ^2/NDF: 8532820.5/50

In: 66.603+/-0.009 χ^2/NDF:5047244.4/45

Out: 66.567+/-0.009 χ^2/NDF:6428203.7/52

All: 66.585+/-0.006 χ^2/NDF: 11475456.4/98



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: 846.116+/-319.234 χ^2/NDF: 19.1/27

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

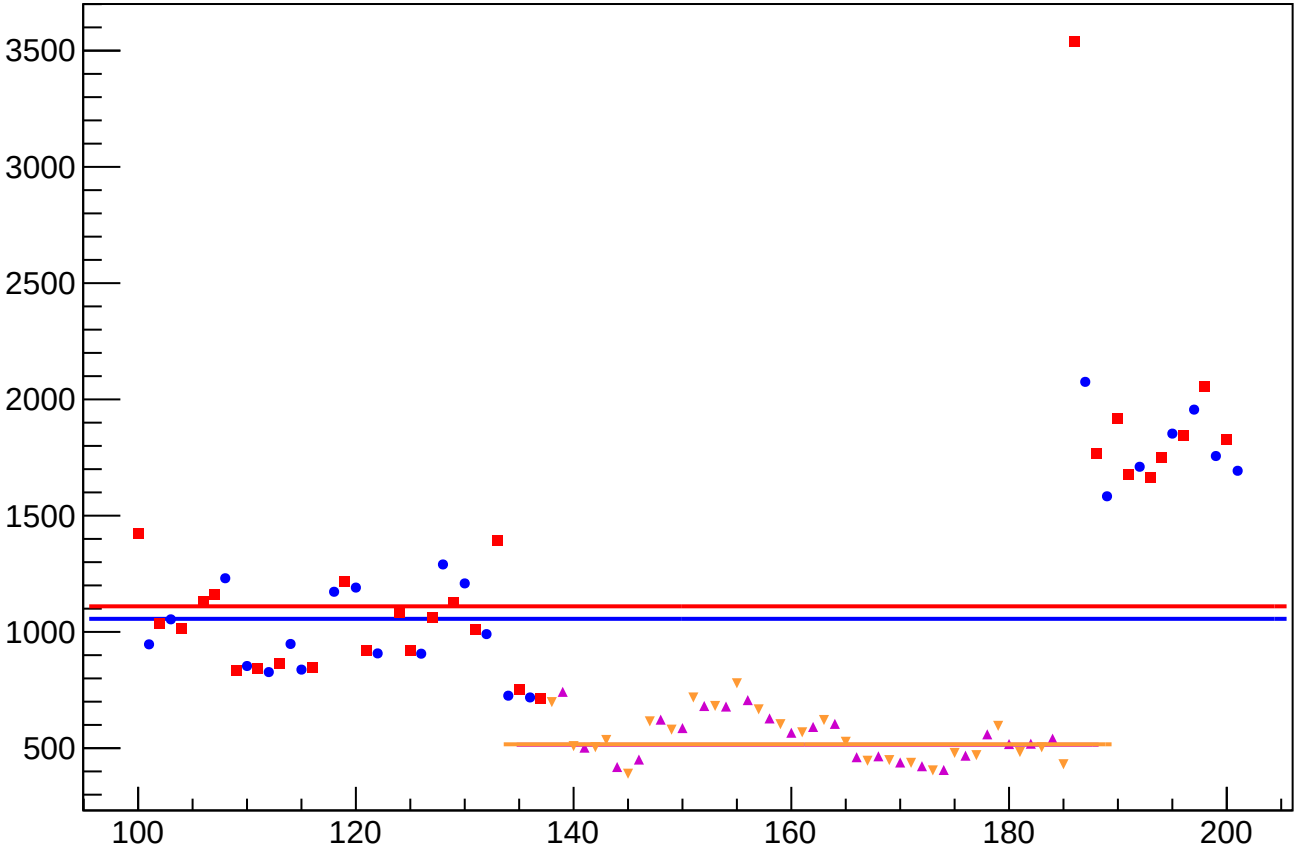
Right: 124.699+/-225.570 χ^2/NDF: 54.6/50

In: 0.463+/-114.341 χ^2/NDF:53.9/45

Out: -399.574+/-112.110 χ^2/NDF:105.2/52

All: -203.497+/-80.051 χ^2/NDF: 165.4/98

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: 1110.070+/-0.226 χ^2/NDF: 2954267.9/27

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

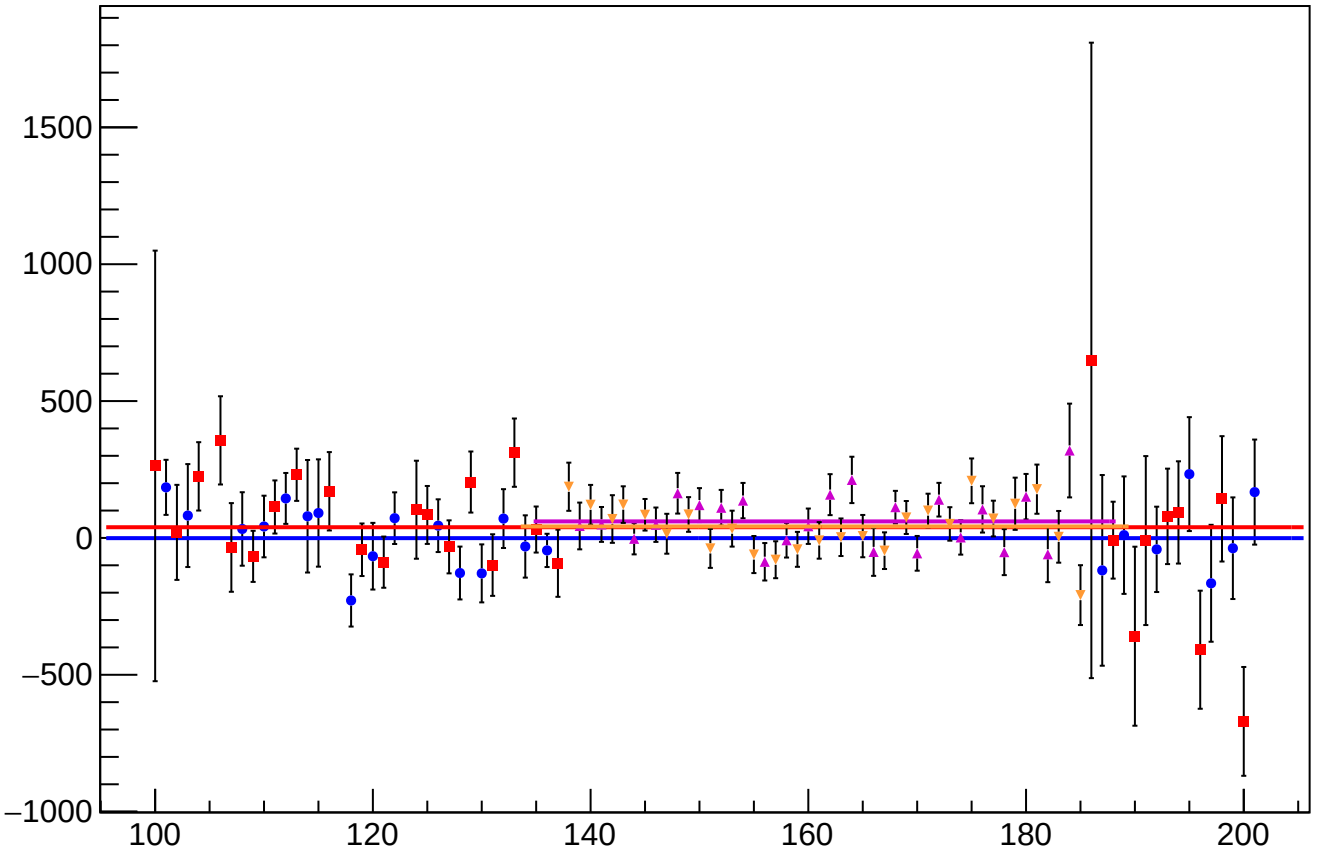
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1083.126+/-0.160 χ^2/NDF: 5491504.9/50

In: 584.447+/-0.081 χ^2/NDF:8657460.4/45

Out: 589.824+/-0.079 χ^2/NDF:10278338.9/52

All: 587.189+/-0.057 χ^2/NDF: 18938053.8/98



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: 39.100+/-24.729 χ^2/NDF: 45.5/27

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

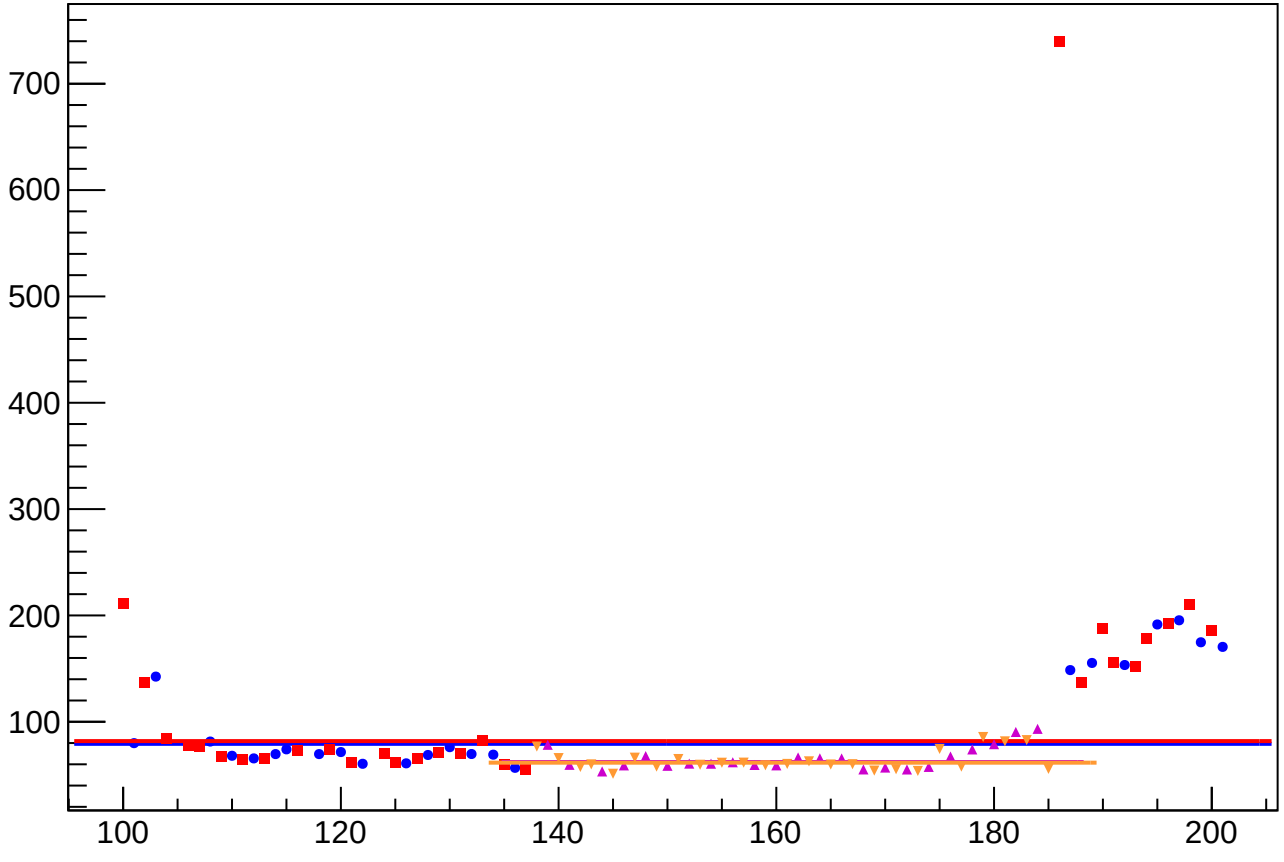
Right: 19.198+/-17.506 χ^2/NDF: 67.4/50

In: 44.437+/-12.652 χ^2/NDF:57.3/45

Out: 41.295+/-12.302 χ^2/NDF:77.6/52

All: 42.822+/-8.820 χ^2/NDF: 134.8/98

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: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

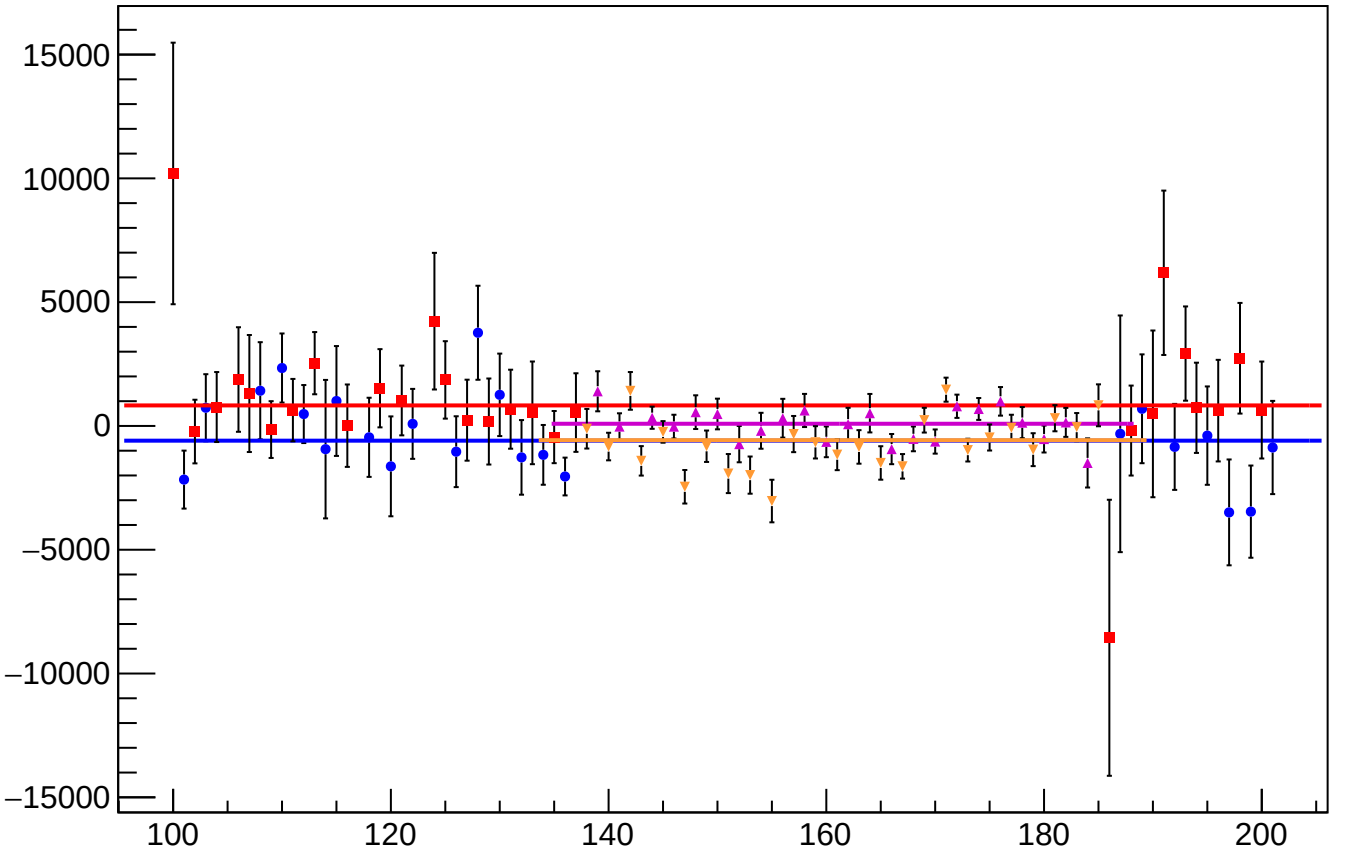
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 80.544+/-0.012 χ^2/NDF: 8533391.2/50

In: 66.603+/-0.009 χ^2/NDF:5047247.5/45

Out: 66.563+/-0.009 χ^2/NDF:6427249.7/52

All: 66.583+/-0.006 χ^2/NDF: 11474507.5/98



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: 829.157+/-319.556 χ^2/NDF: 18.6/27

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

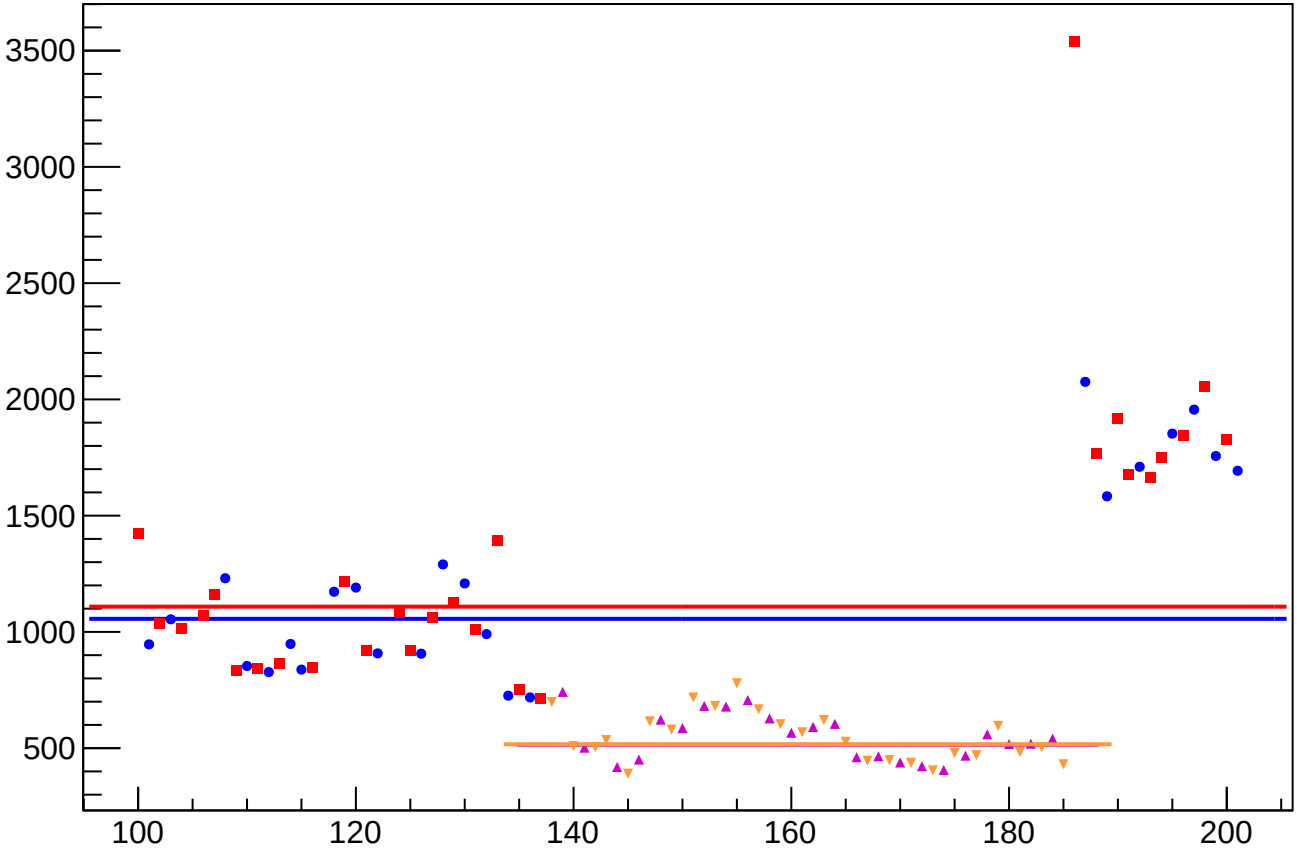
Right: 115.529+/-225.684 χ^2/NDF: 54.0/50

In: 0.467+/-114.341 χ^2/NDF:53.9/45

Out: -401.965+/-112.124 χ^2/NDF:104.4/52

All: -204.690+/-80.056 χ^2/NDF: 164.6/98

asym_sam_12345678_avg_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: 1108.646+/-0.226 χ^2/NDF: 2954585.6/27

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

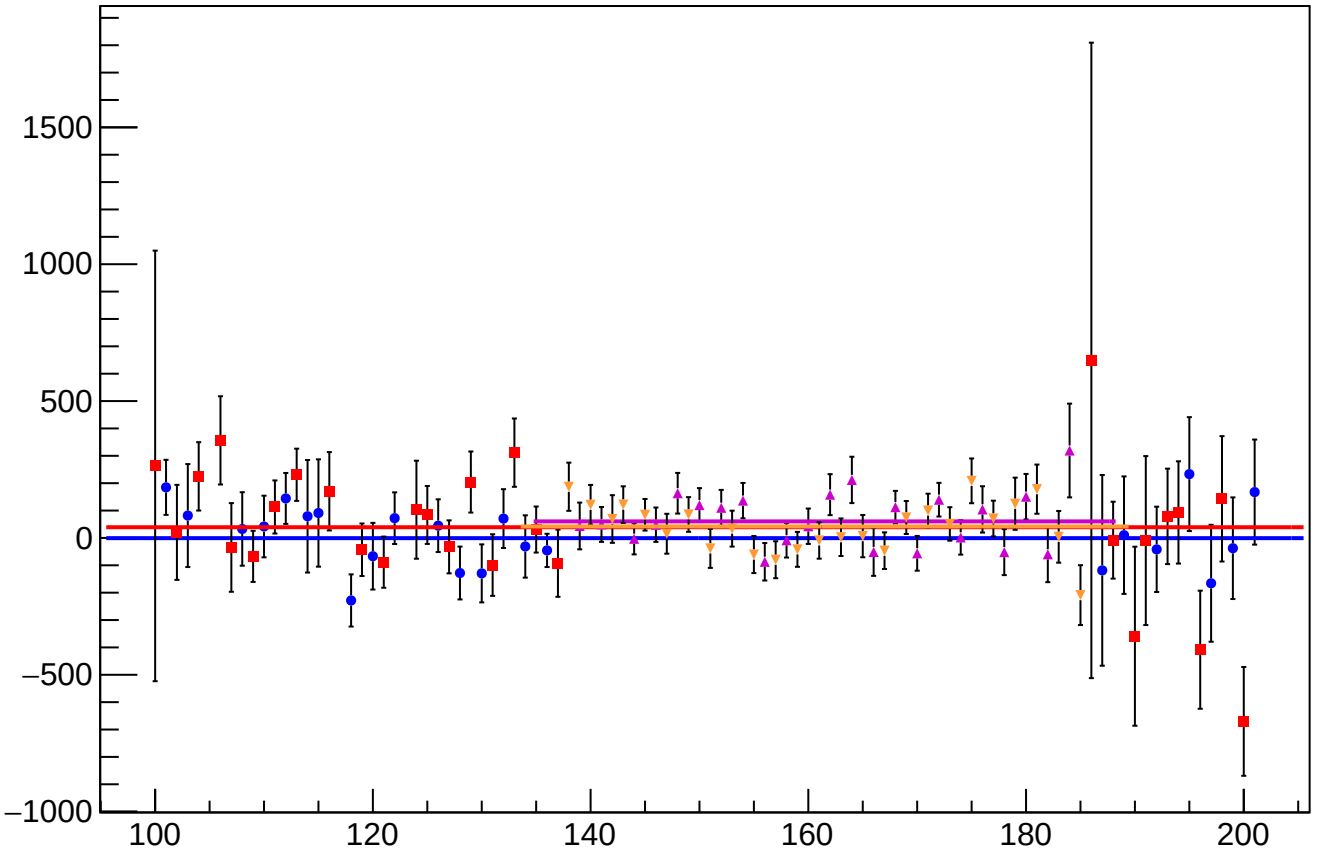
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1082.391+/-0.160 χ^2/NDF: 5490308.0/50

In: 584.447+/-0.081 χ^2/NDF:8657503.1/45

Out: 589.519+/-0.079 χ^2/NDF:10238956.6/52

All: 587.033+/-0.057 χ^2/NDF: 18898465.4/98



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: 39.100+/-24.729 χ^2/NDF: 45.5/27

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

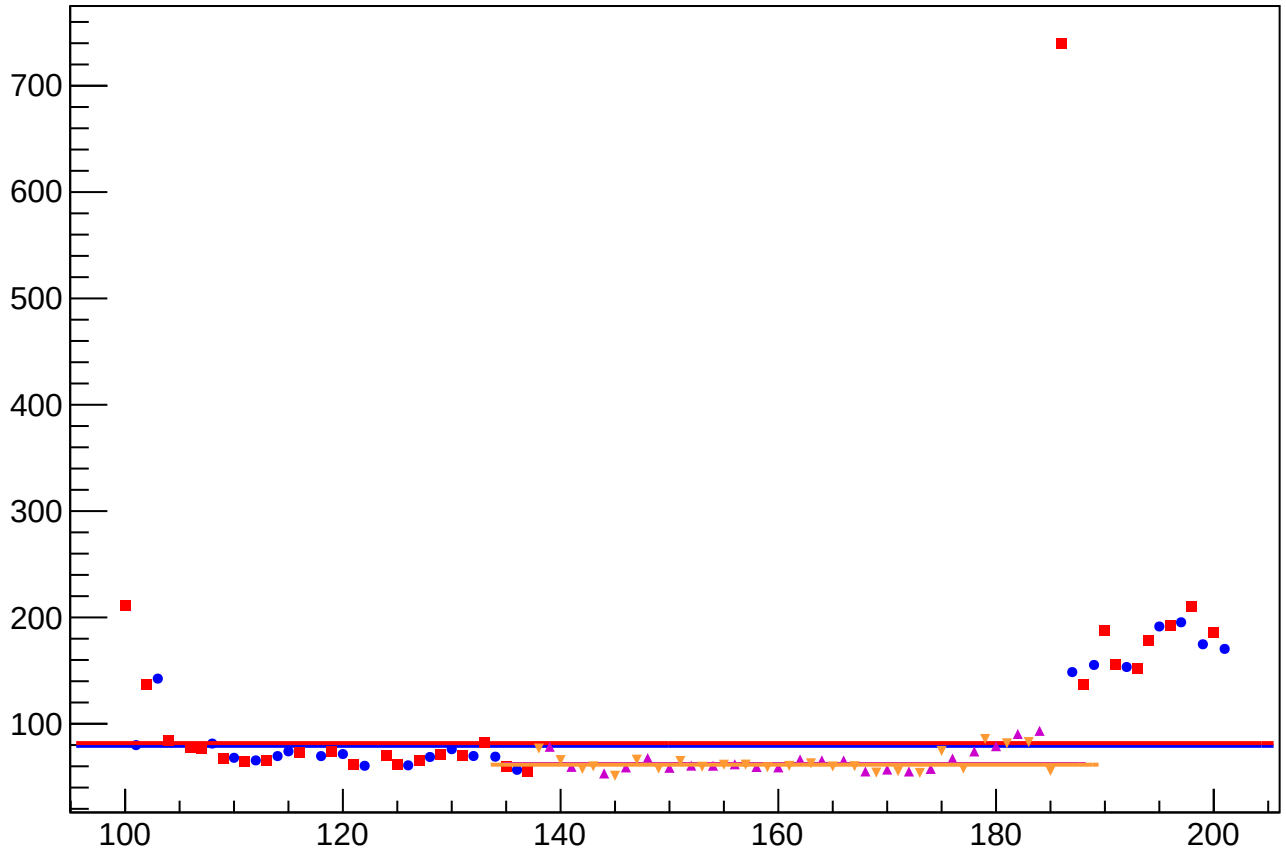
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 19.198+/-17.506 χ^2/NDF: 67.4/50

In: 44.437+/-12.652 χ^2/NDF:57.3/45

Out: 41.295+/-12.302 χ^2/NDF:77.6/52

All: 42.822+/-8.820 χ^2/NDF: 134.8/98



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: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

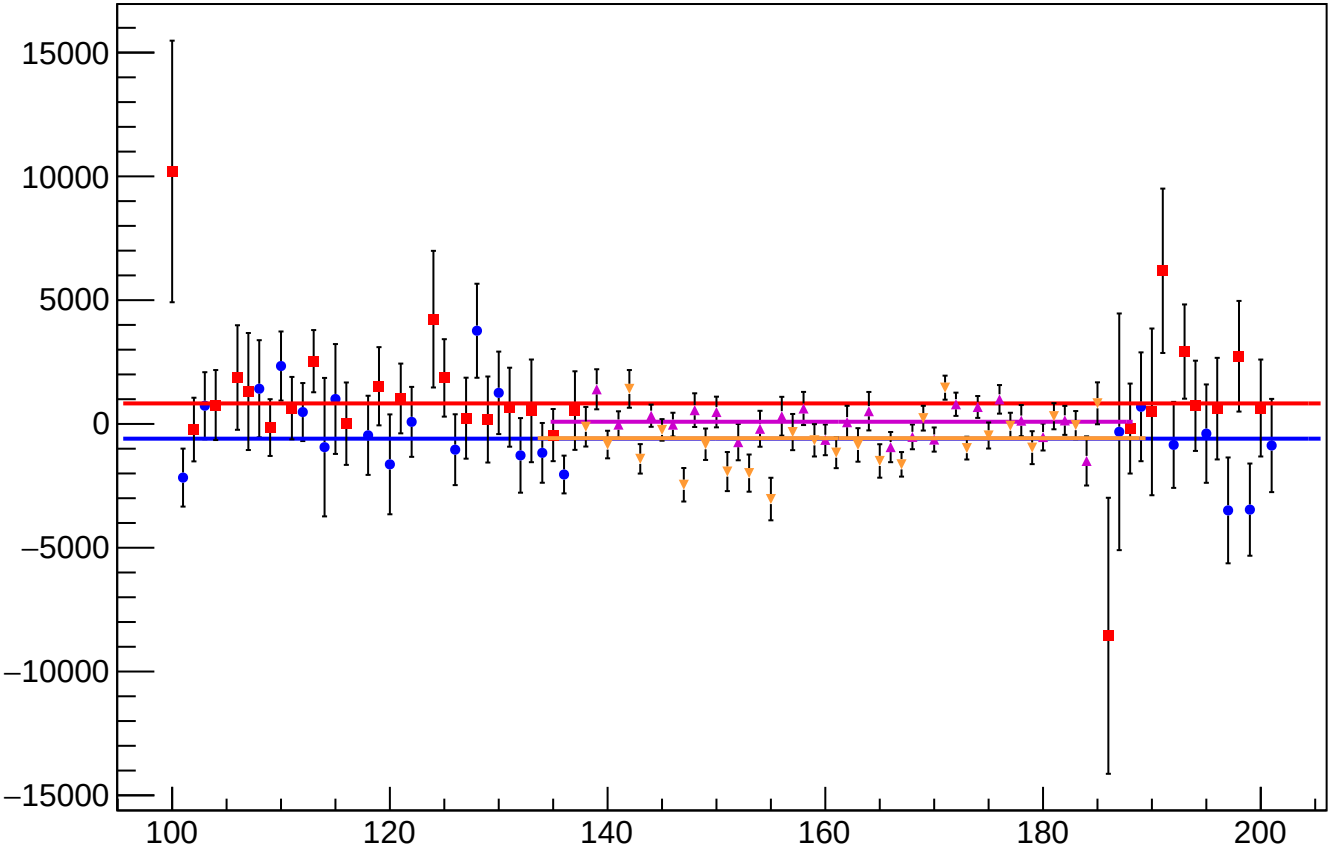
Right: 80.544+/-0.012 χ^2/NDF: 8533391.2/50

In: 66.603+/-0.009 χ^2/NDF:5047247.5/45

Out: 66.563+/-0.009 χ^2/NDF:6427249.7/52

All: 66.583+/-0.006 χ^2/NDF: 11474507.5/98

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 829.157+/-319.556 χ^2/NDF: 18.6/27

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

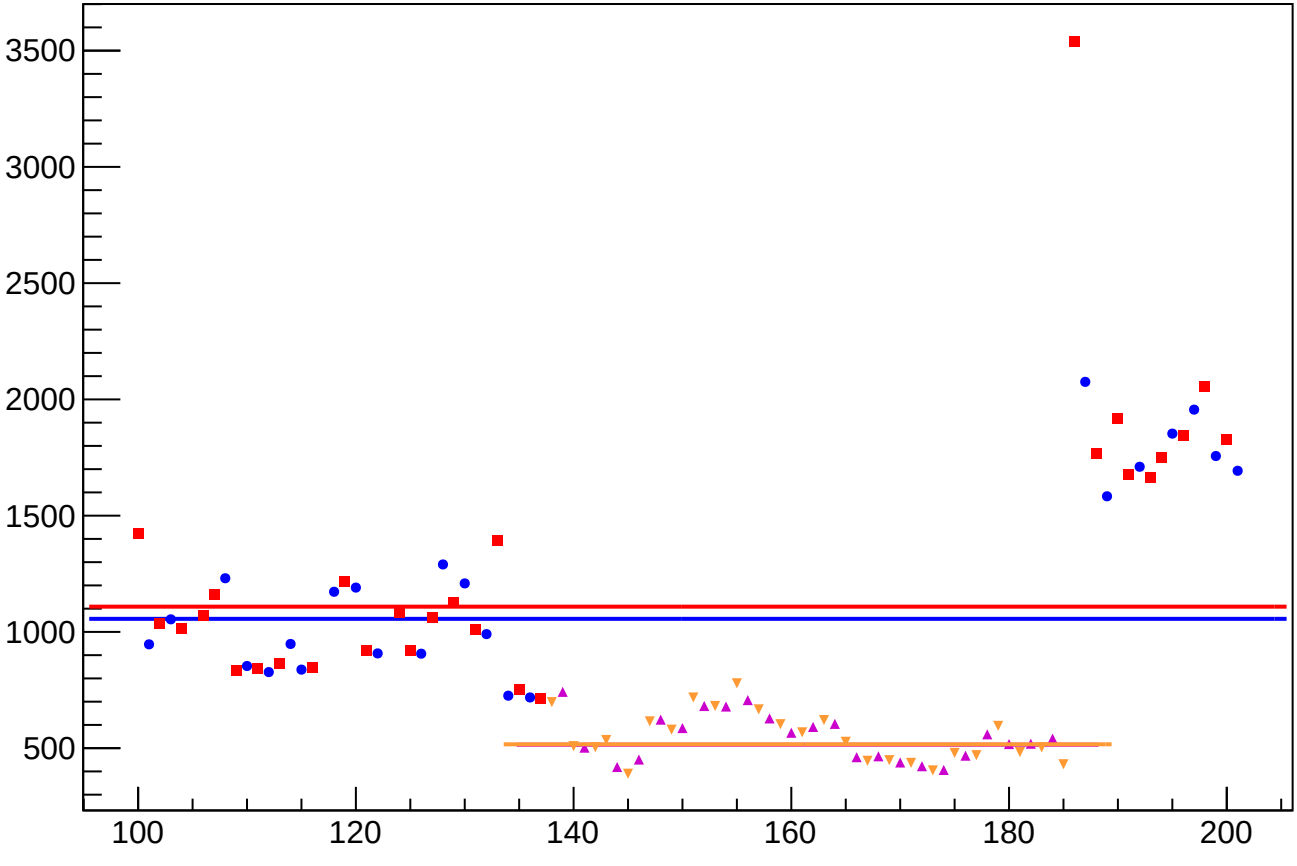
Right: 115.529+/-225.684 χ^2/NDF: 54.0/50

In: 0.467+/-114.341 χ^2/NDF:53.9/45

Out: -401.965+/-112.124 χ^2/NDF:104.4/52

All: -204.690+/-80.056 χ^2/NDF: 164.6/98

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: 1108.646+/-0.226 χ^2/NDF: 2954585.6/27

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

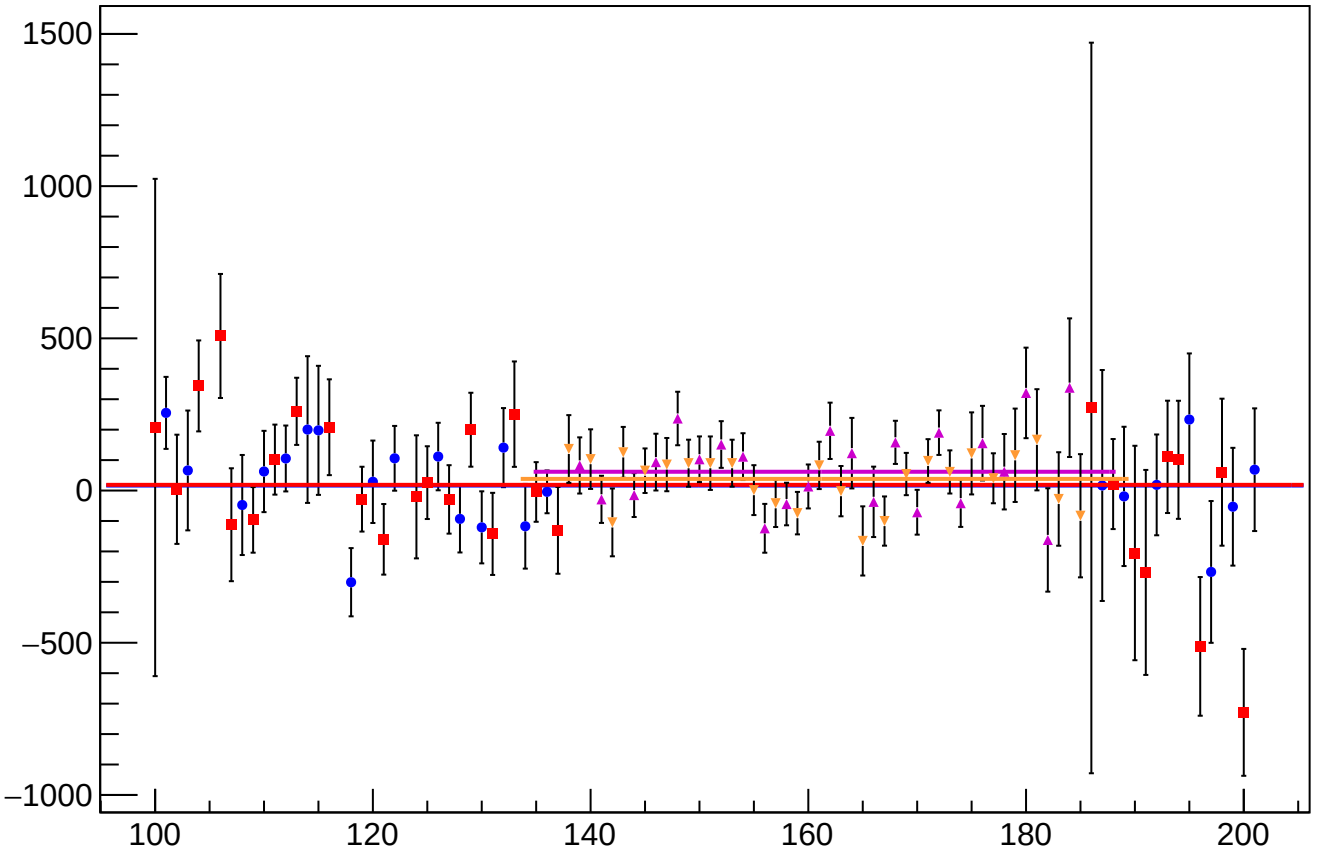
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1082.391+/-0.160 χ^2/NDF: 5490308.0/50

In: 584.447+/-0.081 χ^2/NDF:8657503.1/45

Out: 589.519+/-0.079 χ^2/NDF:10238956.6/52

All: 587.033+/-0.057 χ^2/NDF: 18898465.4/98



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: 18.741+/-28.407 χ^2/NDF: 48.3/27

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

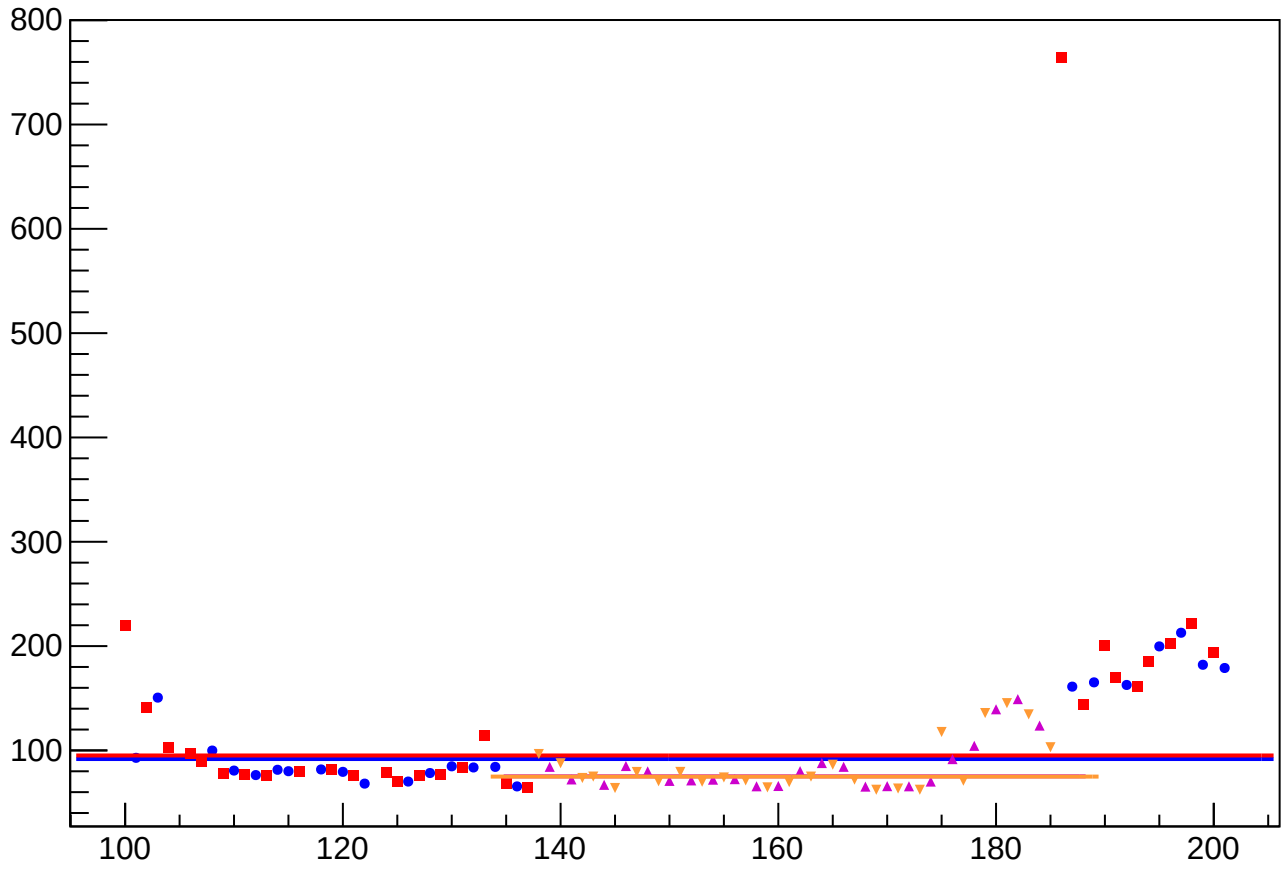
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 17.617+/-20.086 χ^2/NDF: 71.1/50

In: 48.568+/-15.319 χ^2/NDF:61.4/45

Out: 32.830+/-15.004 χ^2/NDF:67.4/52

All: 40.536+/-10.719 χ^2/NDF: 129.3/98



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: 95.152+/-0.020 χ^2/NDF: 4189622.5/27

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

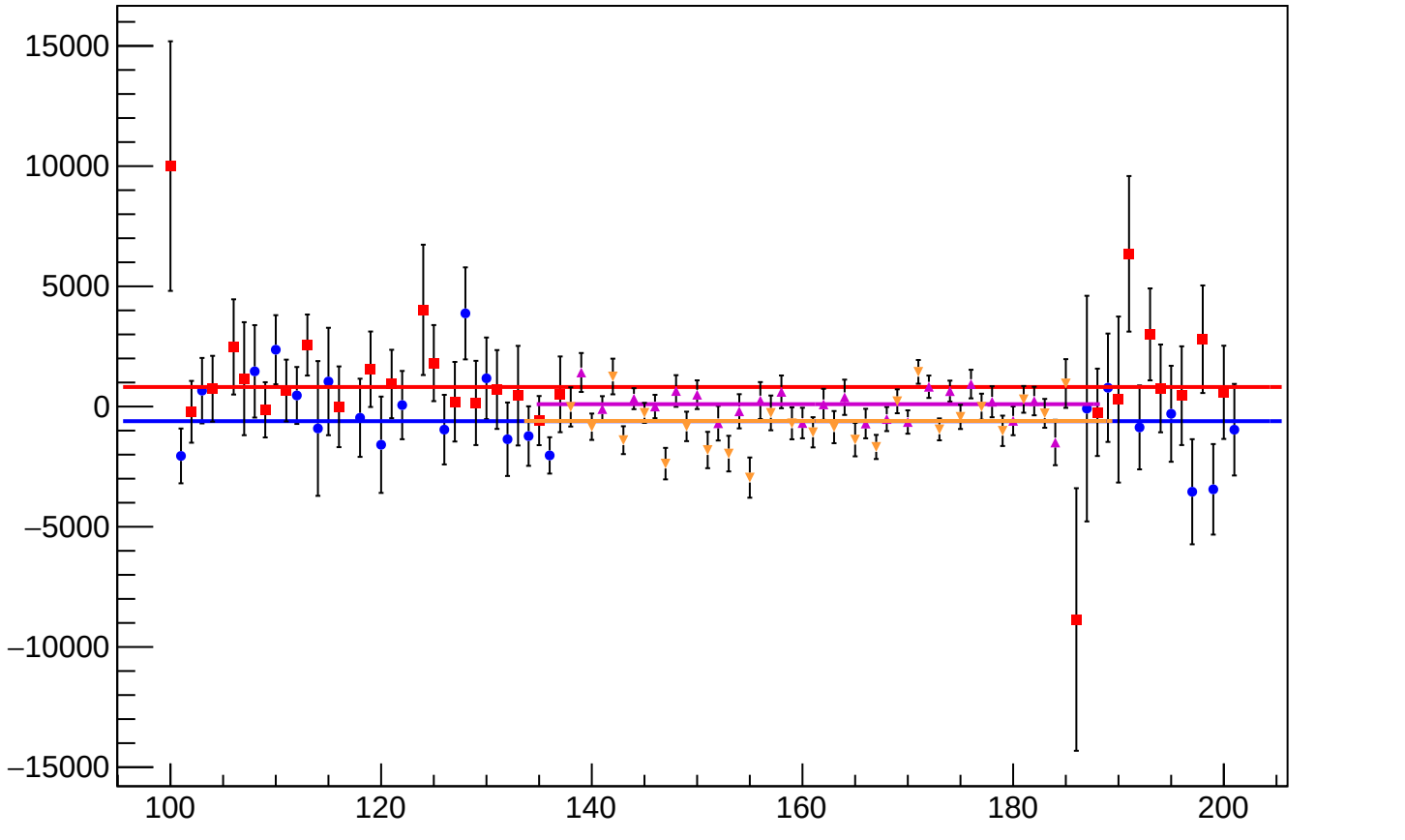
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 93.450+/-0.014 χ^2/NDF: 7474050.6/50

In: 79.982+/-0.011 χ^2/NDF:5066594.7/45

Out: 80.552+/-0.011 χ^2/NDF:6583908.3/52

All: 80.273+/-0.008 χ^2/NDF: 11651914.8/98



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: 812.773+/-318.833 χ^2/NDF: 20.2/27

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

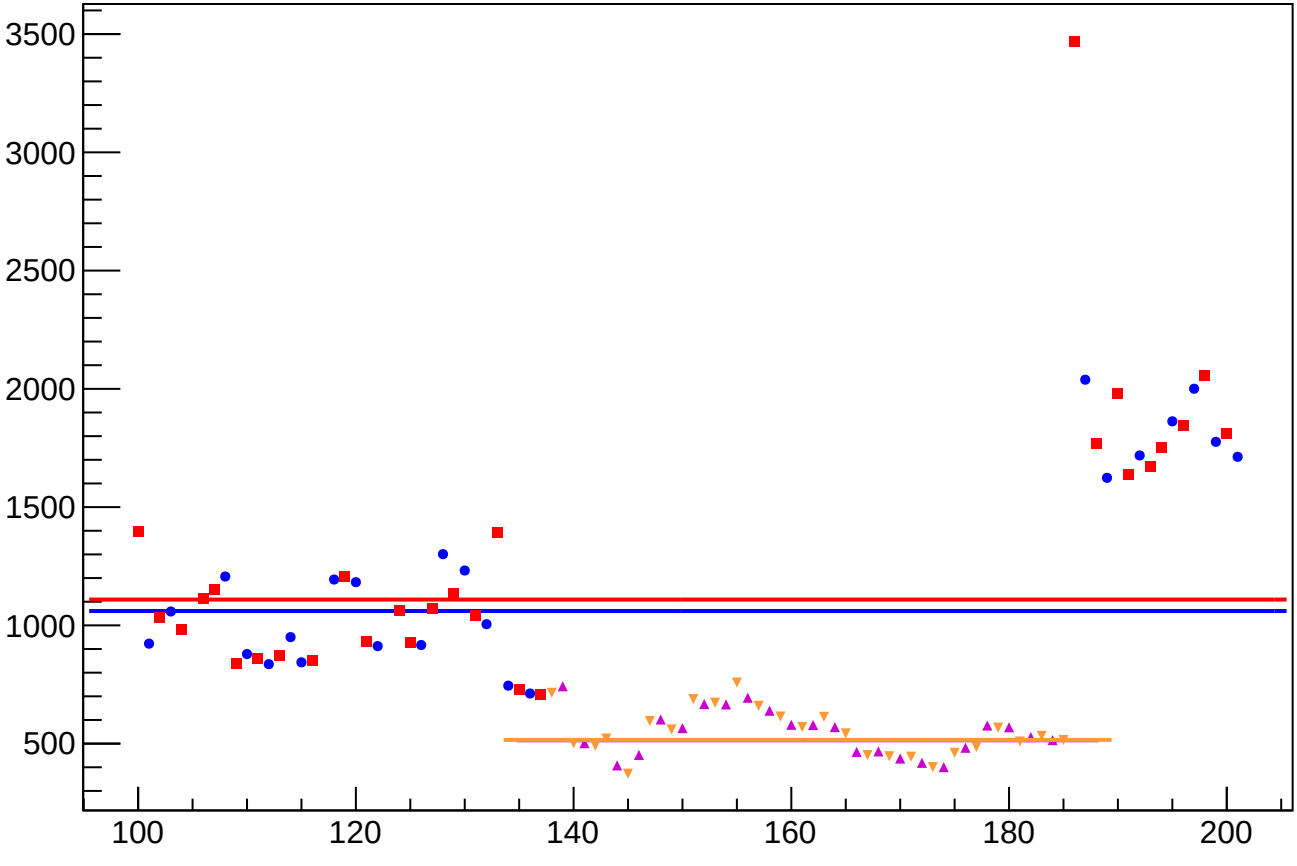
Right: 105.618+/-225.959 χ^2/NDF: 55.0/50

In: 9.109+/-114.262 χ^2/NDF:53.0/45

Out: -425.402+/-111.754 χ^2/NDF:102.4/52

All: -212.968+/-79.894 χ^2/NDF: 162.7/98

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1109.129+/-0.225 χ^2/NDF: 2969696.6/27

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

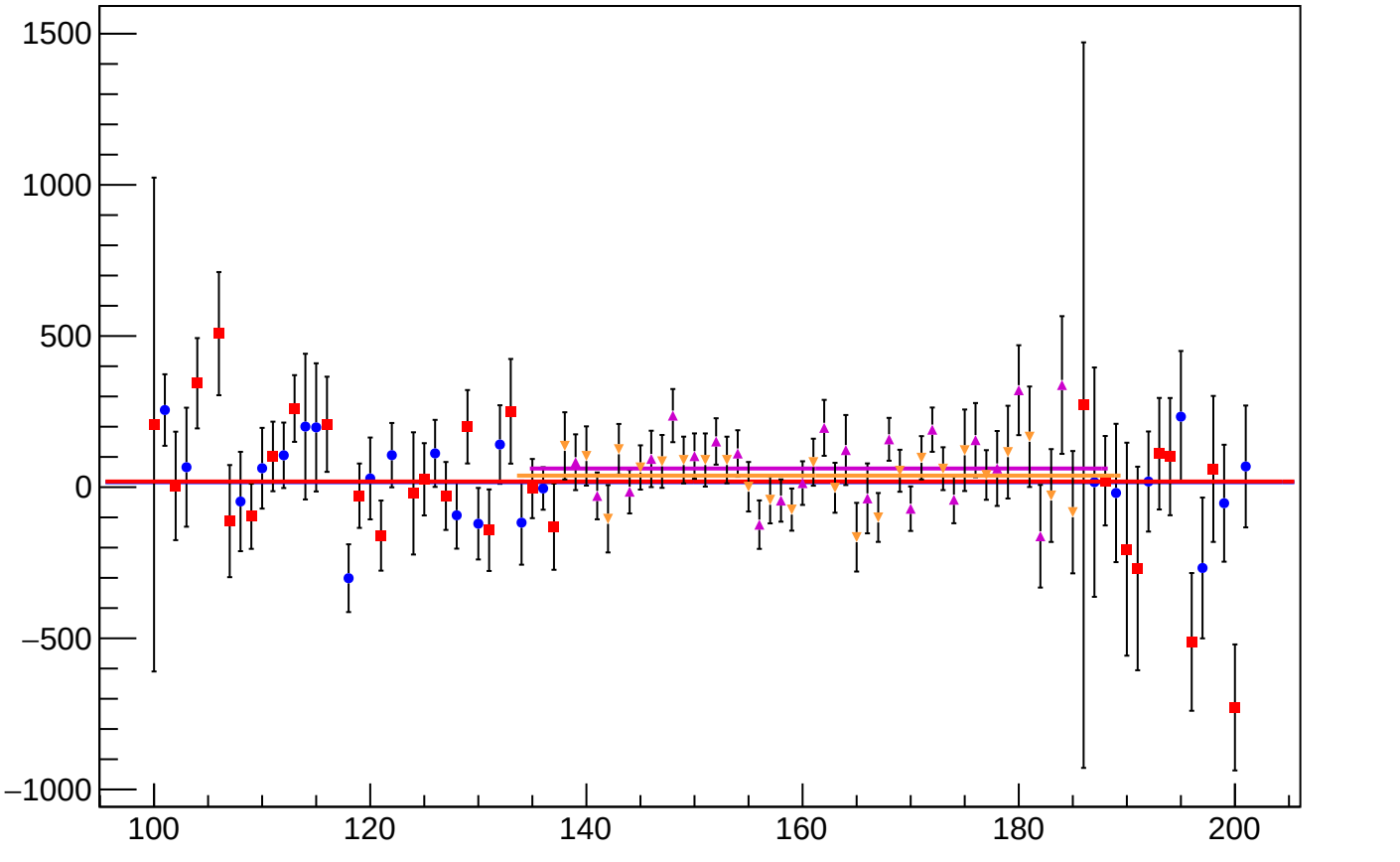
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1085.012+/-0.160 χ^2/NDF: 5544358.7/50

In: 583.655+/-0.081 χ^2/NDF:8752096.4/45

Out: 588.661+/-0.079 χ^2/NDF:10278216.9/52

All: 586.213+/-0.056 χ^2/NDF: 19032275.1/98



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: 18.739+/-28.407 χ^2/NDF: 48.3/27

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

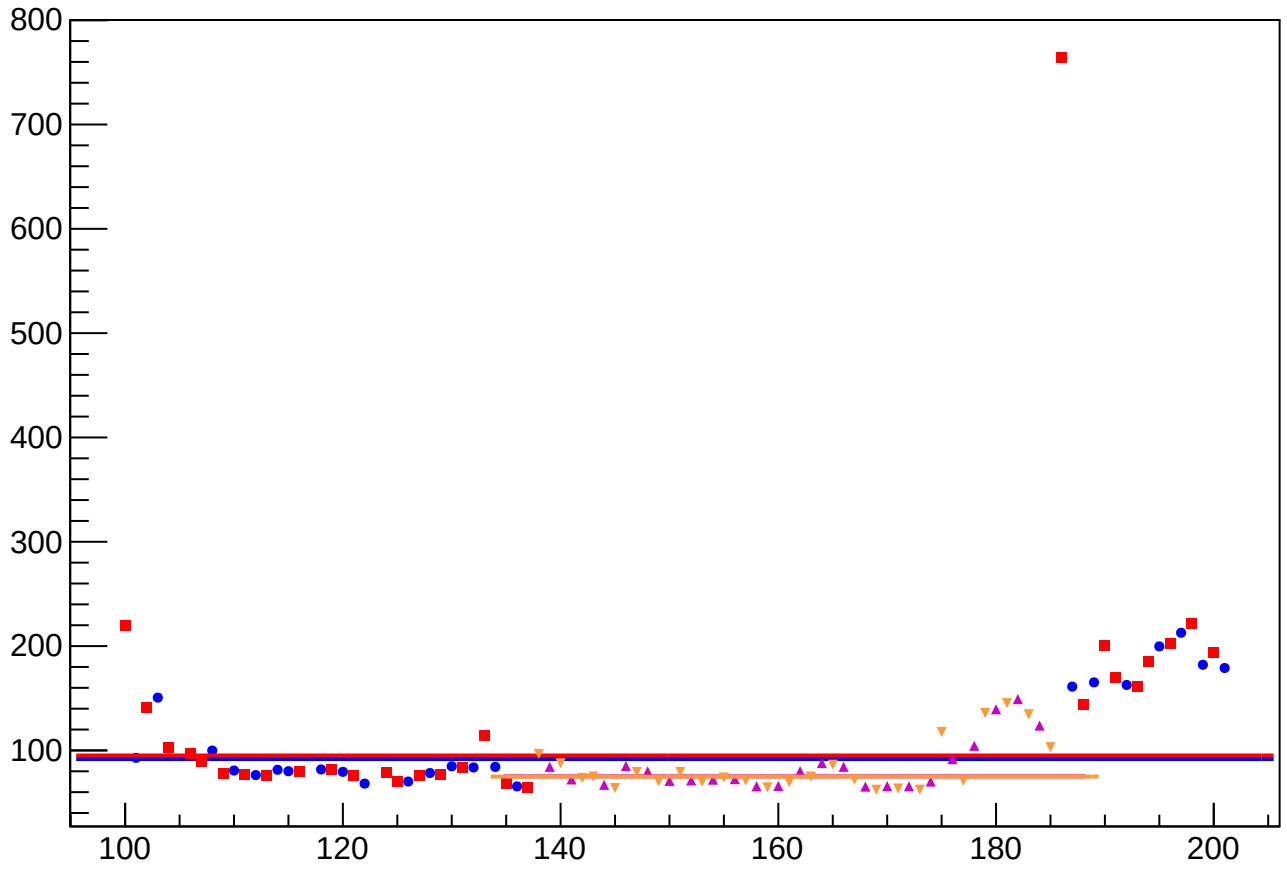
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 17.617+/-20.086 χ^2/NDF: 71.1/50

In: 48.568+/-15.319 χ^2/NDF:61.4/45

Out: 32.830+/-15.004 χ^2/NDF:67.4/52

All: 40.535+/-10.719 χ^2/NDF: 129.3/98



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: 95.152+/-0.020 χ^2/NDF: 4189645.4/27

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

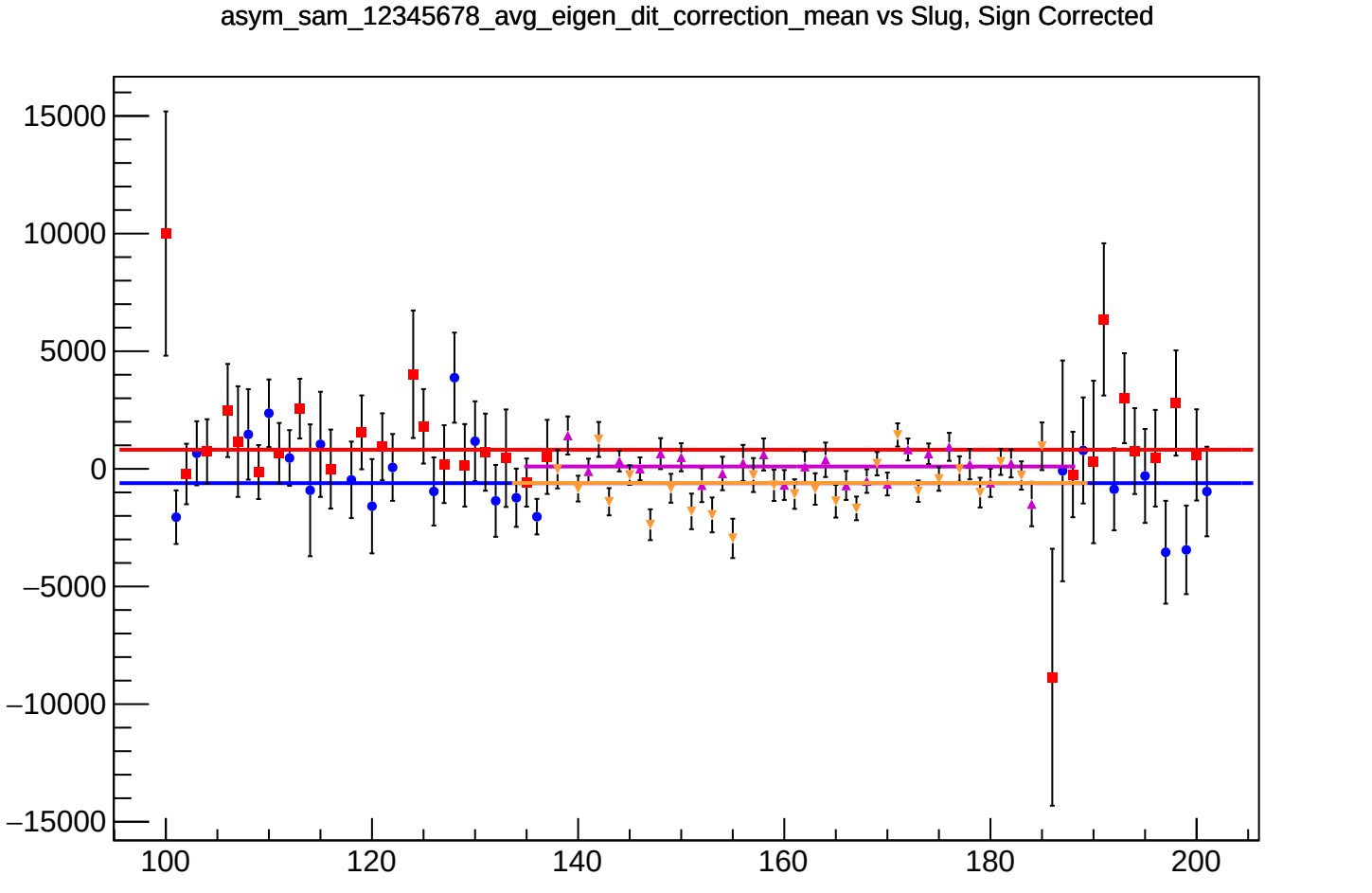
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 93.450+/-0.014 χ^2/NDF: 7474081.7/50

In: 79.982+/-0.011 χ^2/NDF:5066557.7/45

Out: 80.552+/-0.011 χ^2/NDF:6583898.8/52

All: 80.273+/-0.008 χ^2/NDF: 11651868.3/98



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: 812.771+/-318.832 χ^2/NDF: 20.2/27

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

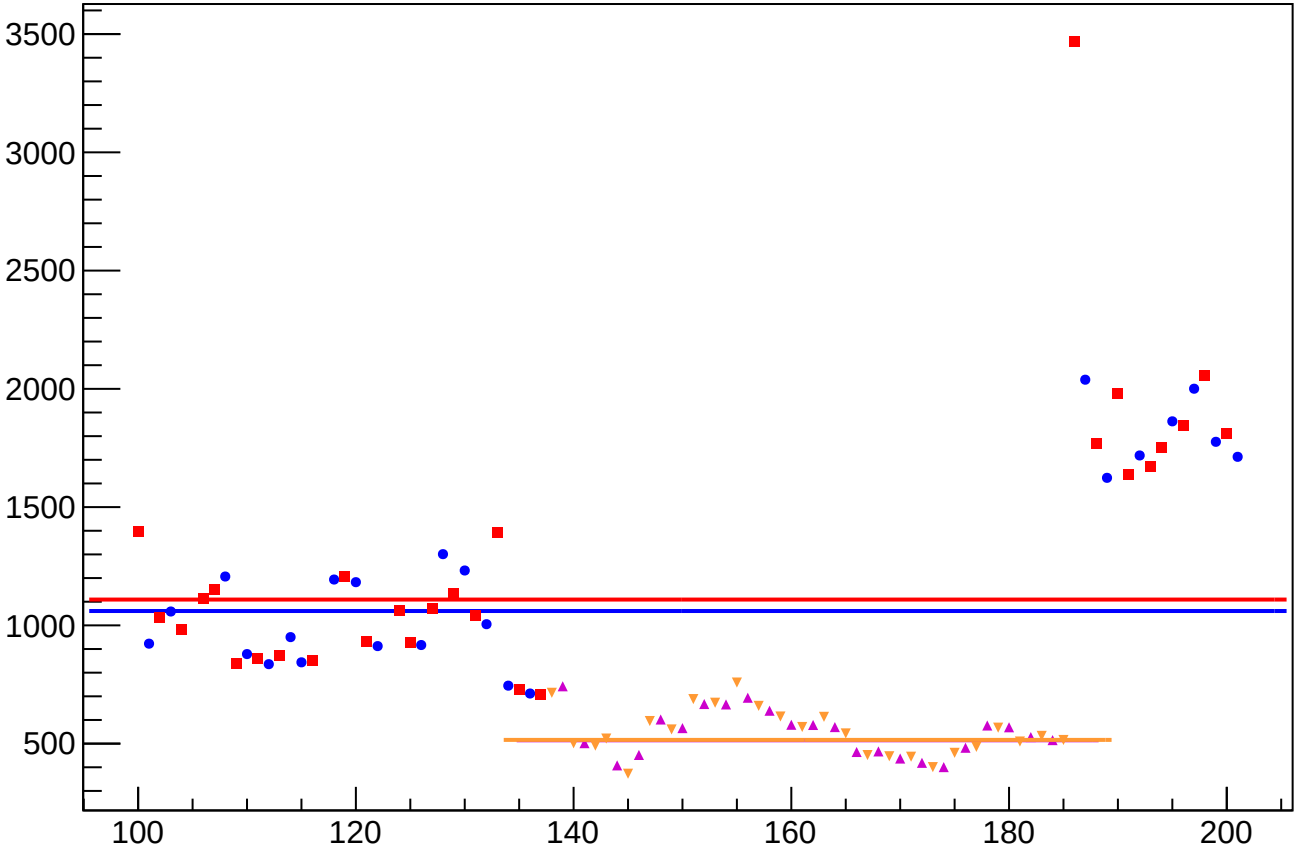
Right: 105.619+/-225.958 χ^2/NDF: 55.0/50

In: 9.109+/-114.262 χ^2/NDF:53.0/45

Out: -425.402+/-111.754 χ^2/NDF:102.4/52

All: -212.968+/-79.894 χ^2/NDF: 162.7/98

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: 1109.126+/-0.225 χ^2/NDF: 2969704.4/27

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

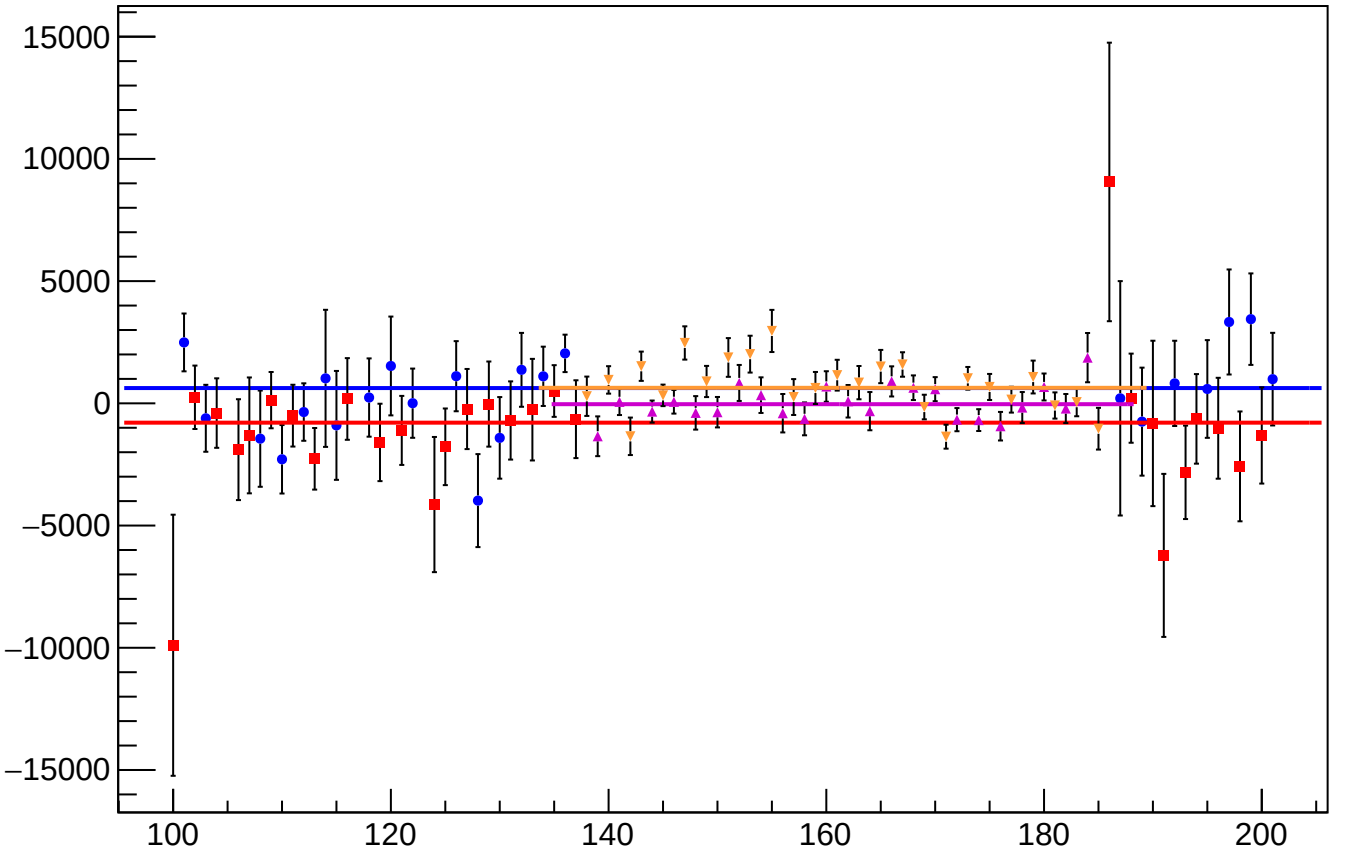
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1085.009+/-0.160 χ^2/NDF: 5544371.9/50

In: 583.654+/-0.081 χ^2/NDF:8752094.2/45

Out: 588.660+/-0.079 χ^2/NDF:10278220.1/52

All: 586.212+/-0.056 χ^2/NDF: 19032276.1/98



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: -790.587+/-320.615 χ^2/NDF: 18.2/27

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

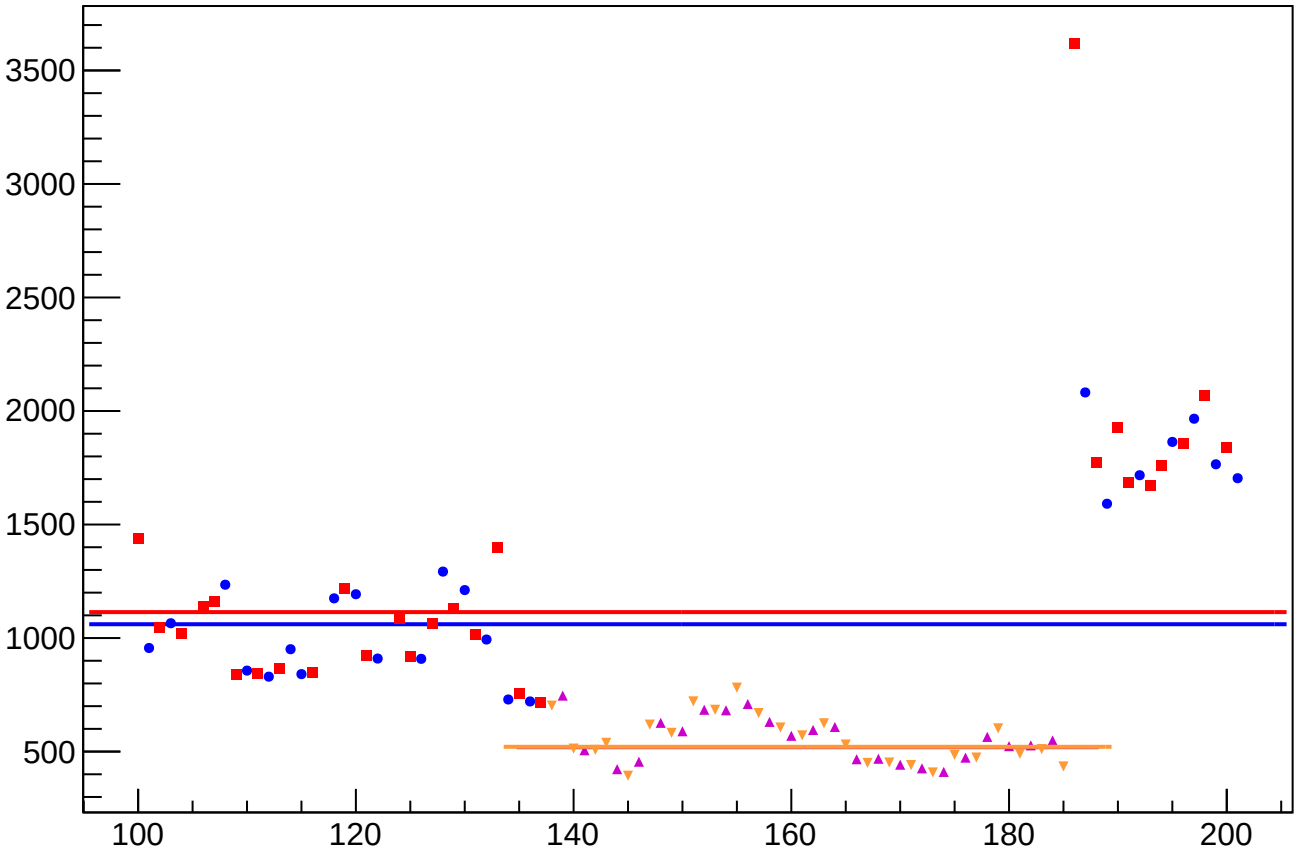
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -81.872+/-226.558 χ^2/NDF: 53.9/50

In: 50.656+/-115.240 χ^2/NDF:54.8/45

Out: 457.805+/-112.974 χ^2/NDF:100.0/52

All: 258.273+/-80.674 χ^2/NDF: 161.2/98



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: 1114.291+/-0.227 χ^2/NDF: 2968385.5/27

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

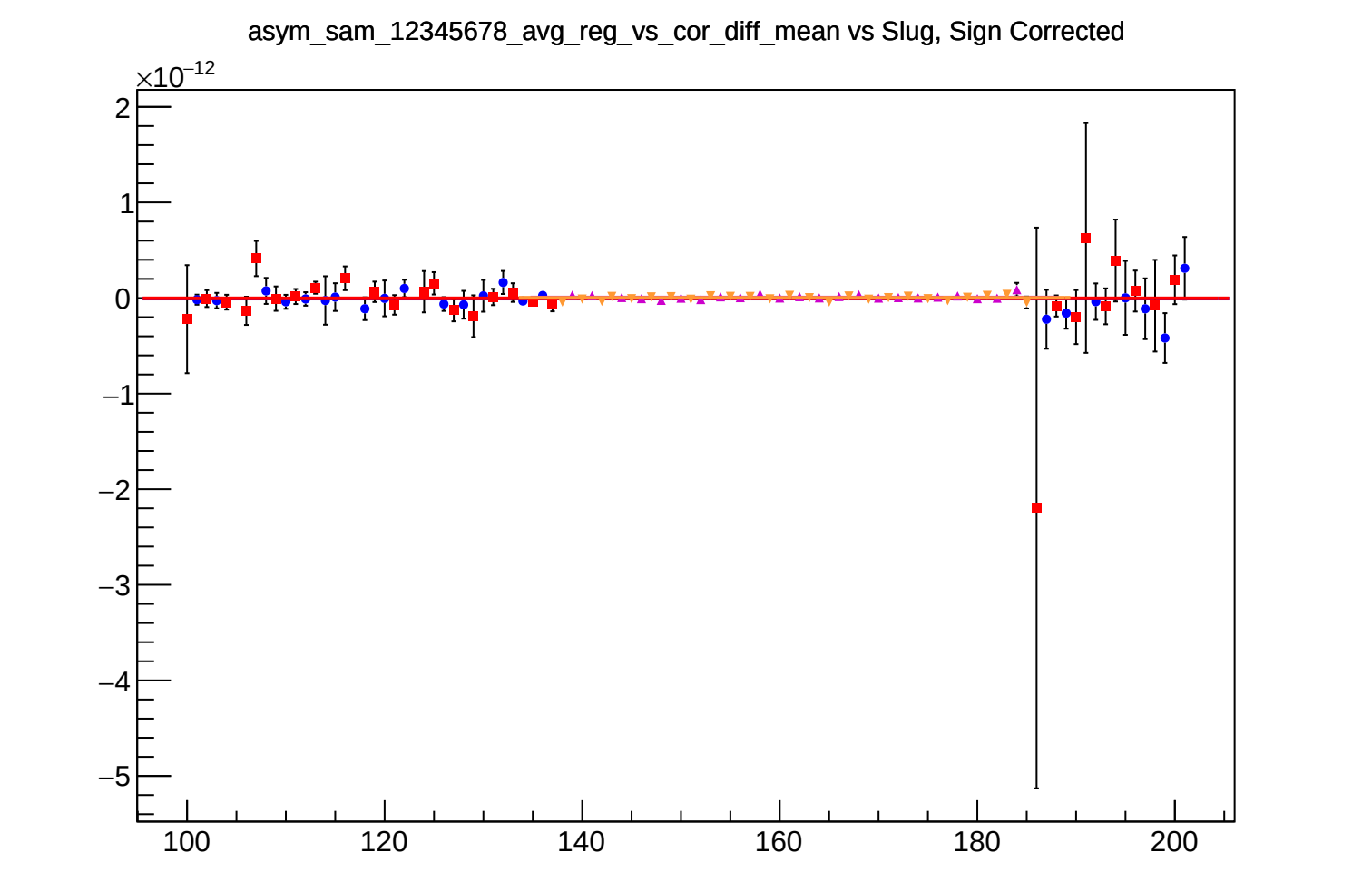
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1087.543+/-0.160 χ^2/NDF: 5508747.4/50

In: 589.400+/-0.081 χ^2/NDF:8594717.1/45

Out: 594.687+/-0.080 χ^2/NDF:10209078.8/52

All: 592.096+/-0.057 χ^2/NDF: 18805942.0/98



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: 23.0/27

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

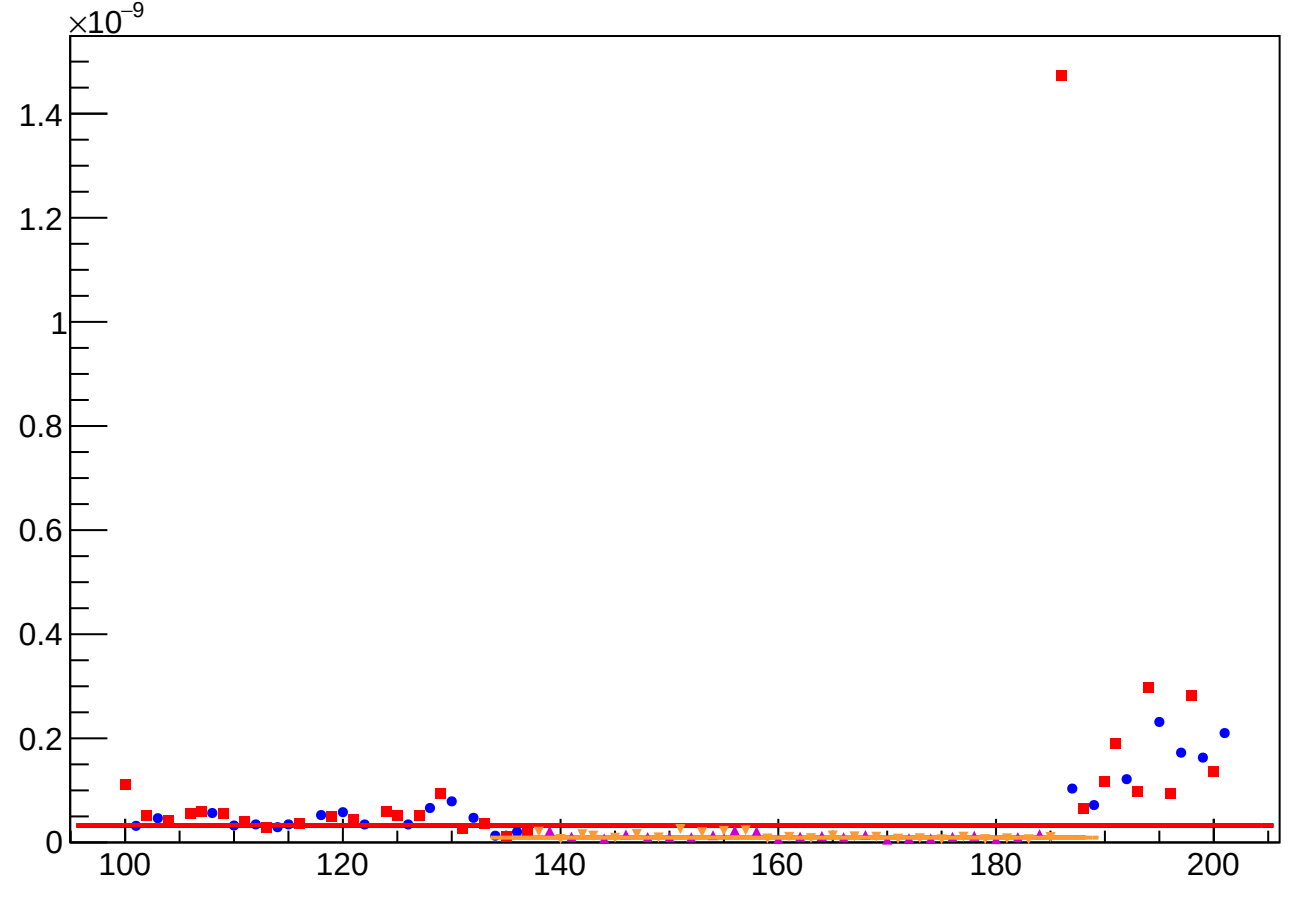
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 35.1/50

In: 0.000+/-0.000 χ^2/NDF:23.2/45

Out: 0.000+/-0.000 χ^2/NDF:45.5/52

All: 0.000+/-0.000 χ^2/NDF: 68.9/98



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: 4633944.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

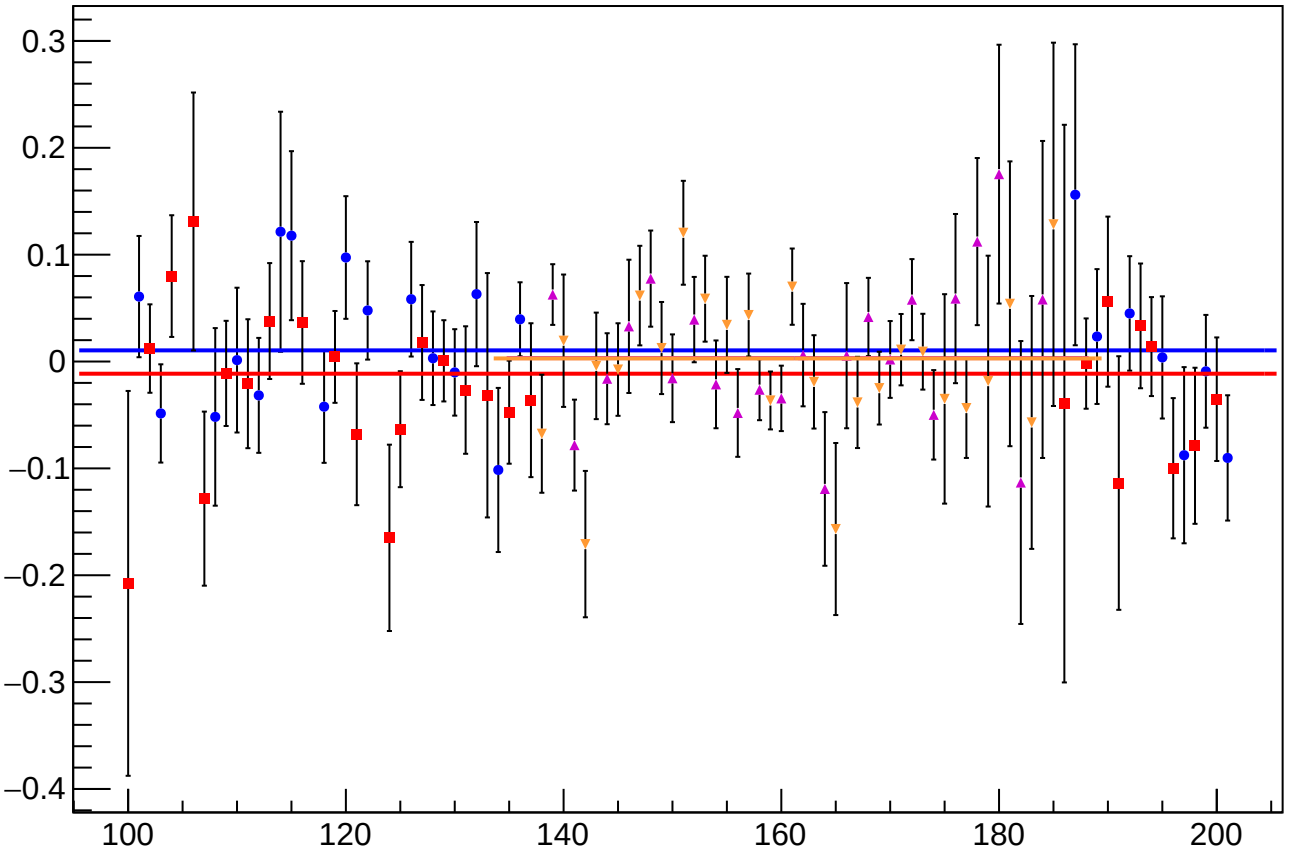
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8564679.9/50

In: 0.000+/-0.000 χ^2/NDF:8673967.6/45

Out: 0.000+/-0.000 χ^2/NDF:10019899.9/52

All: 0.000+/-0.000 χ^2/NDF: 18713935.6/98



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: 20.4/27

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

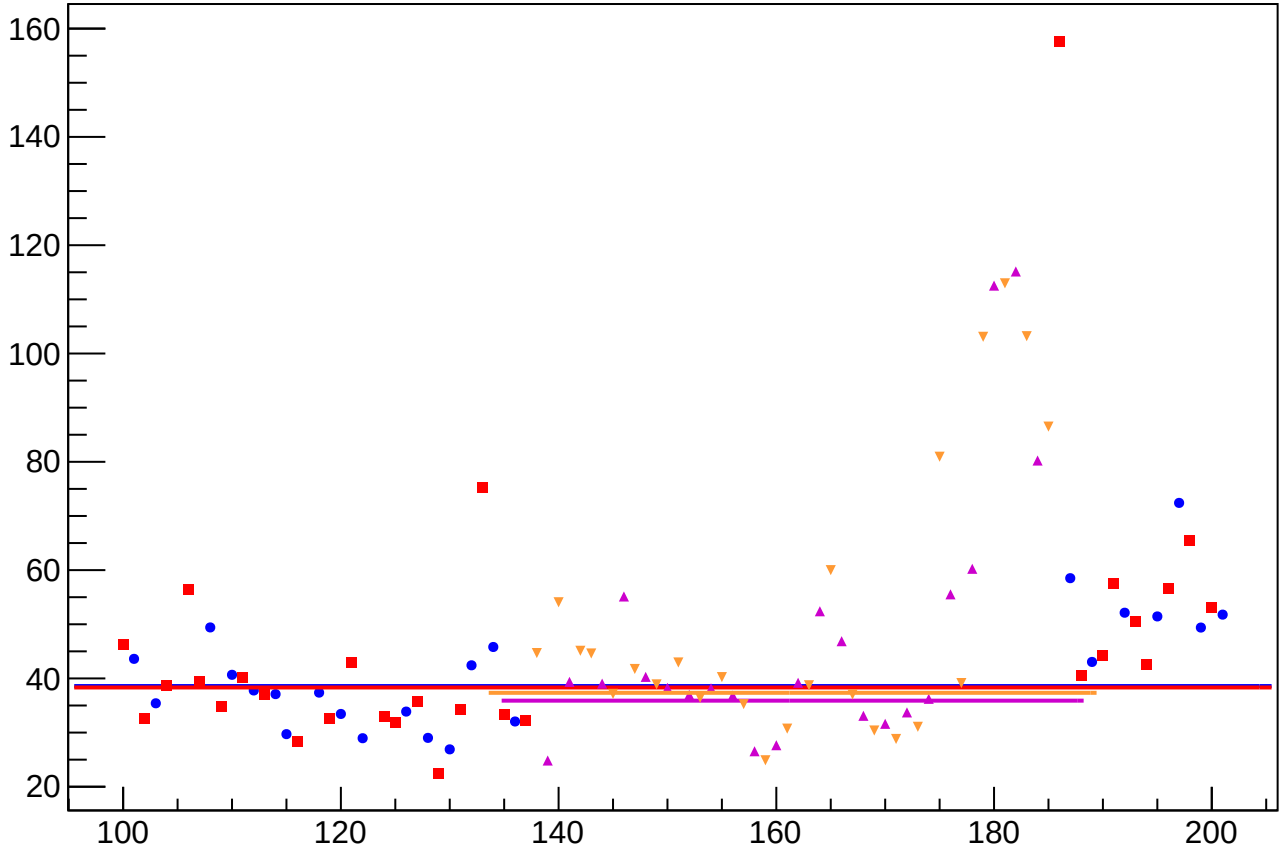
Right: -0.001+/-0.008 χ^2/NDF: 43.2/50

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.001+/-0.005 χ^2/NDF: 106.0/98

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: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

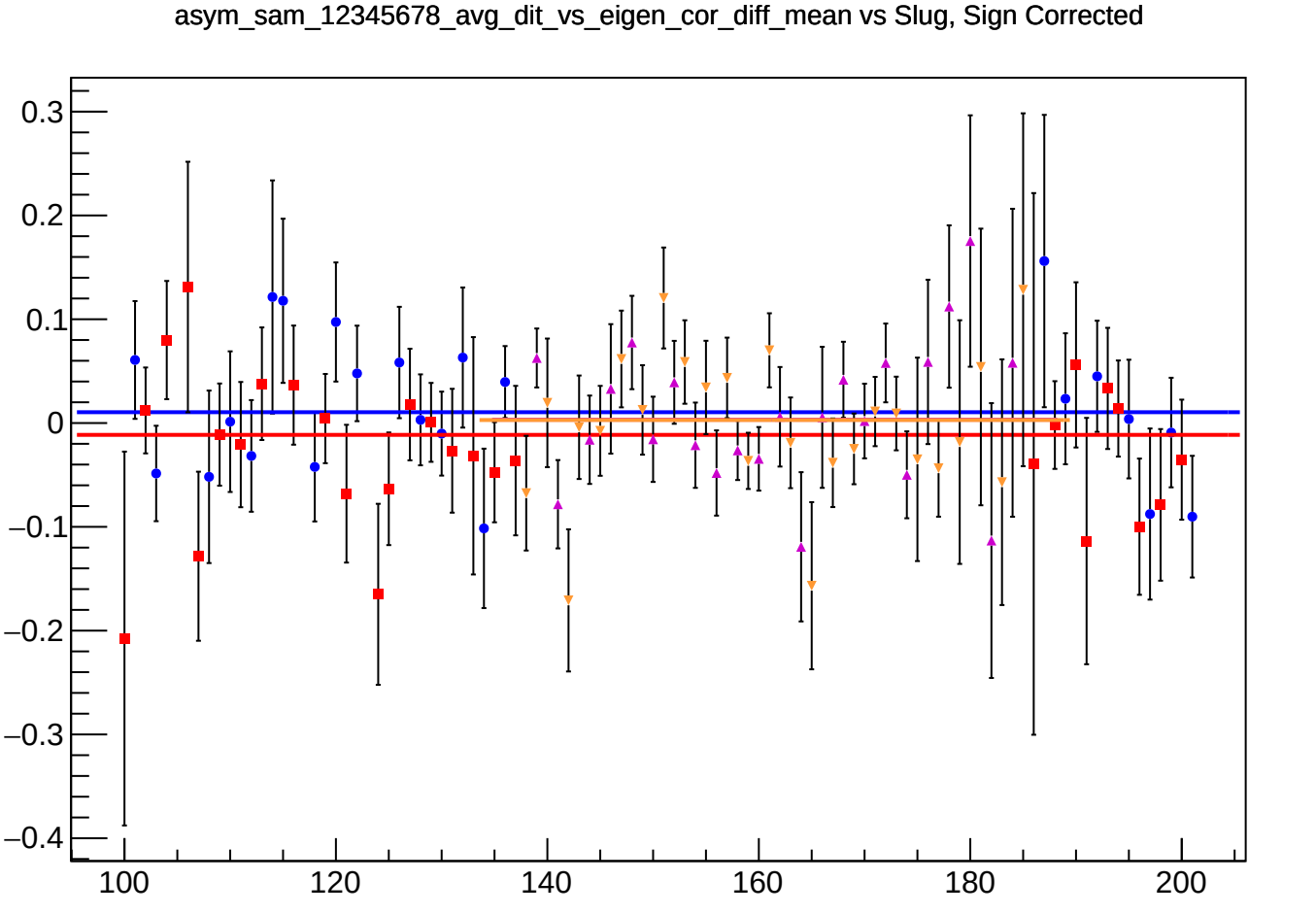
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.455+/-0.006 χ^2/NDF: 3371740.8/50

In: 36.922+/-0.005 χ^2/NDF:4570384.5/45

Out: 37.746+/-0.005 χ^2/NDF:5711003.7/52

All: 37.339+/-0.004 χ^2/NDF: 10294571.5/98



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: 20.4/27

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

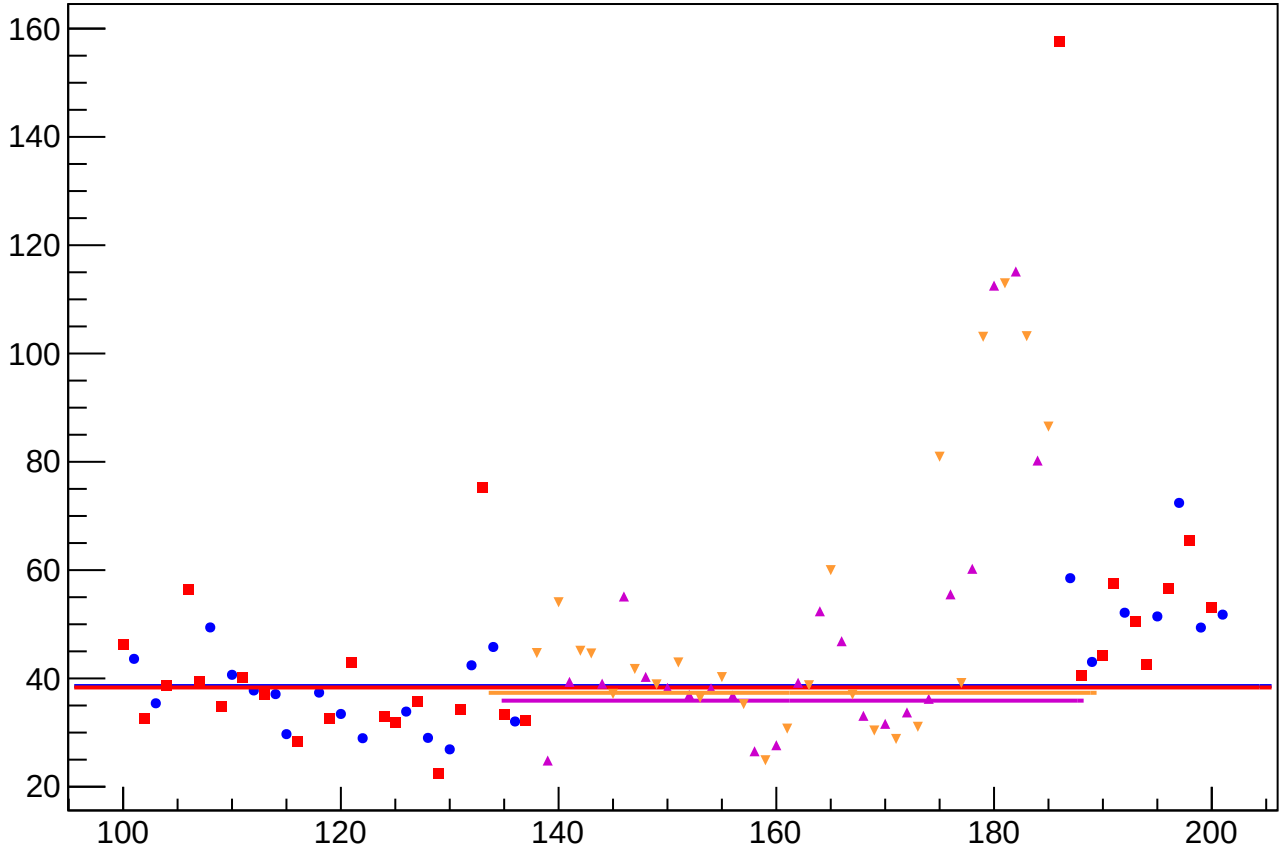
Right: -0.001+/-0.008 χ^2/NDF: 43.2/50

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.001+/-0.005 χ^2/NDF: 106.0/98

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: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

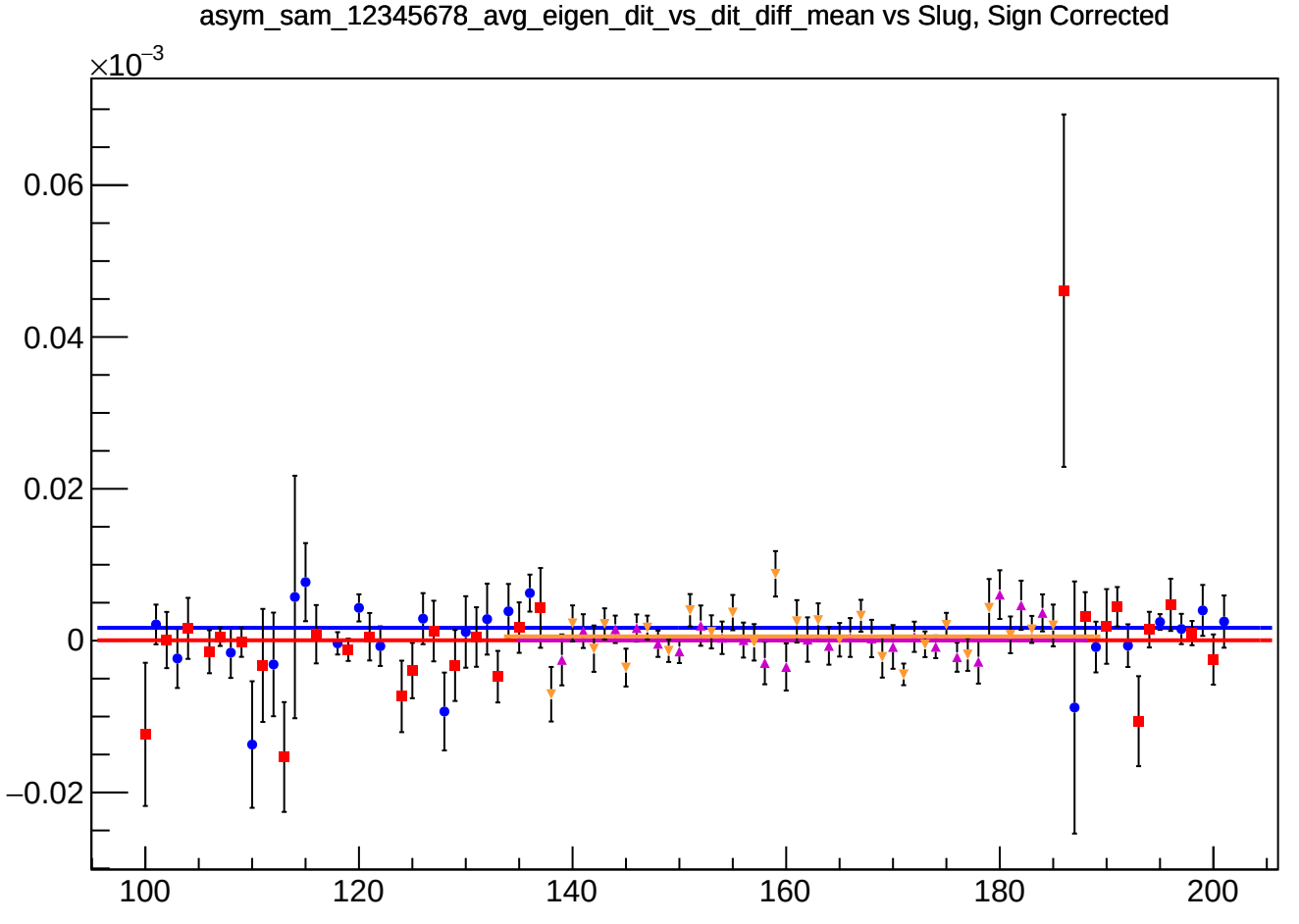
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.455+/-0.006 χ^2/NDF: 3371740.8/50

In: 36.922+/-0.005 χ^2/NDF:4570384.5/45

Out: 37.746+/-0.005 χ^2/NDF:5711003.7/52

All: 37.339+/-0.004 χ^2/NDF: 10294571.5/98



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: 29.3/27

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

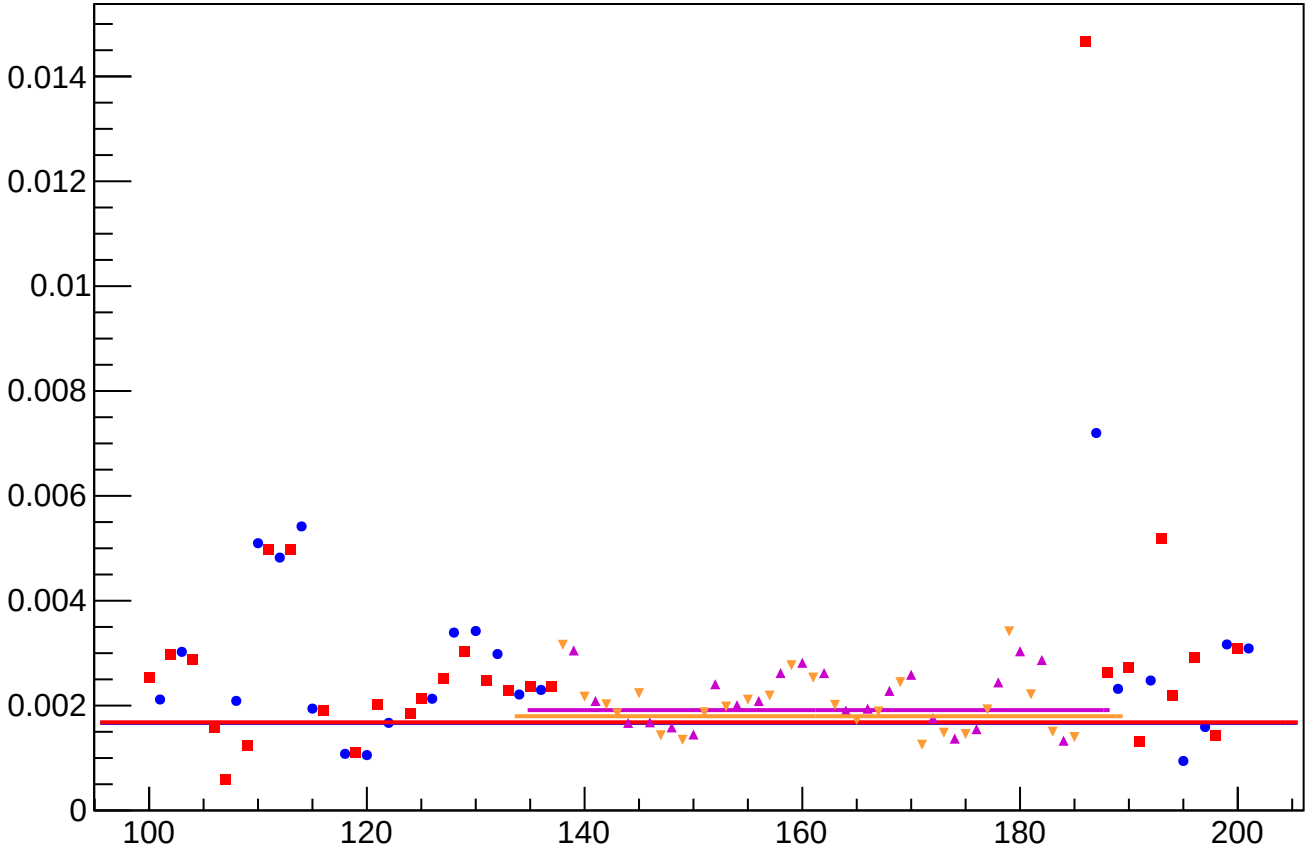
Right: 0.000+/-0.000 χ^2/NDF: 57.6/50

In: 0.000+/-0.000 χ^2/NDF:45.8/45

Out: 0.000+/-0.000 χ^2/NDF:73.3/52

All: 0.000+/-0.000 χ^2/NDF: 119.8/98

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: 6235237.2/27

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

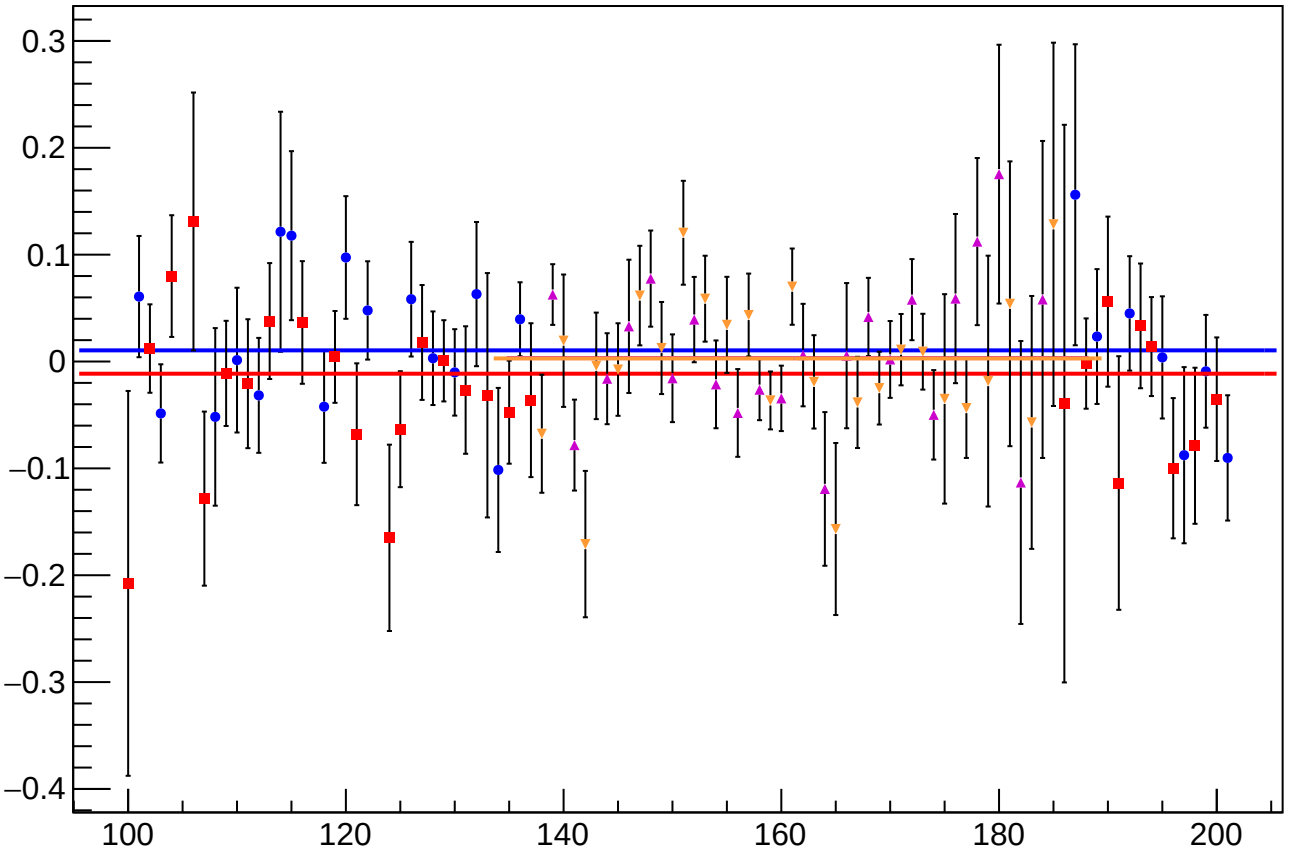
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11068390.5/50

In: 0.002+/-0.000 χ^2/NDF:7234748.8/45

Out: 0.002+/-0.000 χ^2/NDF:8571967.7/52

All: 0.002+/-0.000 χ^2/NDF: 15836495.2/98



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: 20.4/27

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

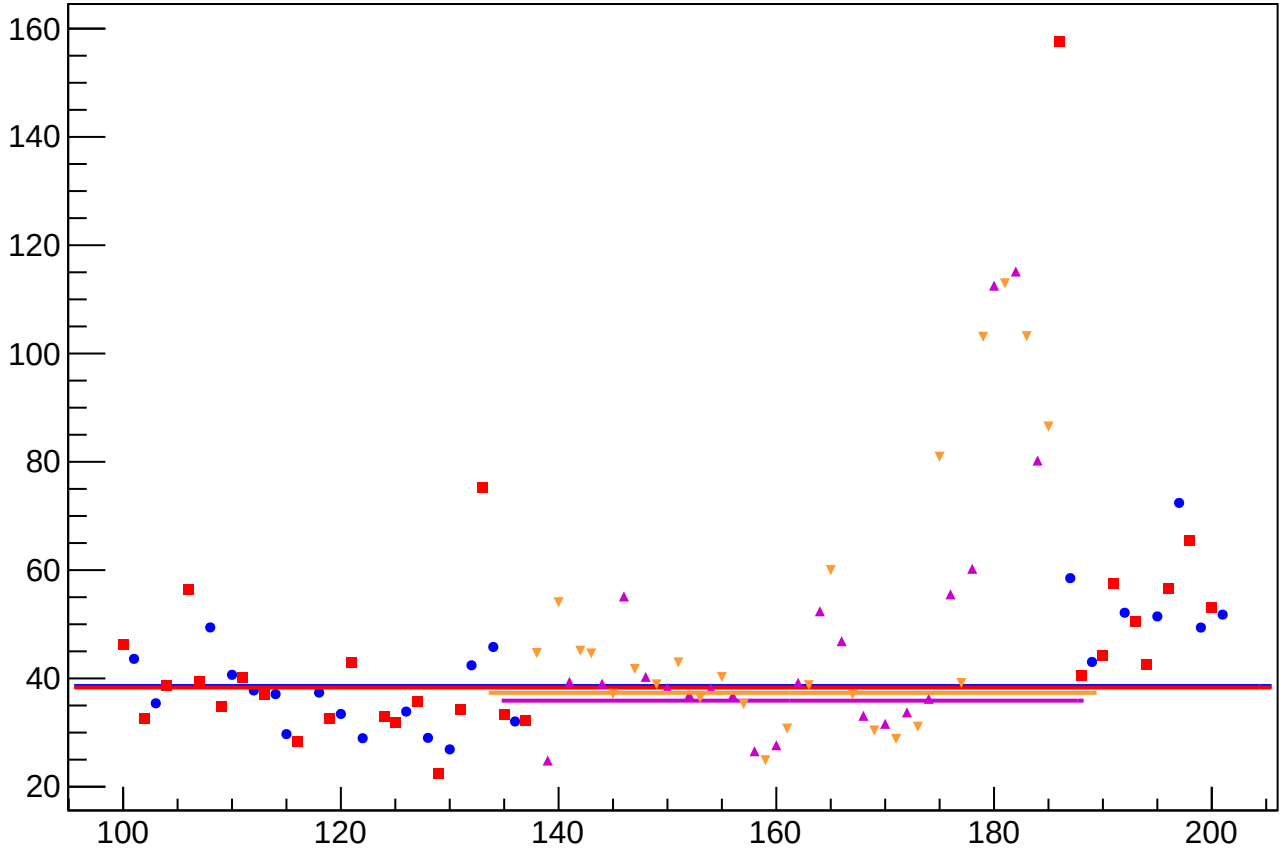
Right: -0.001+/-0.008 χ^2/NDF: 43.2/50

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.001+/-0.005 χ^2/NDF: 106.0/98

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: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

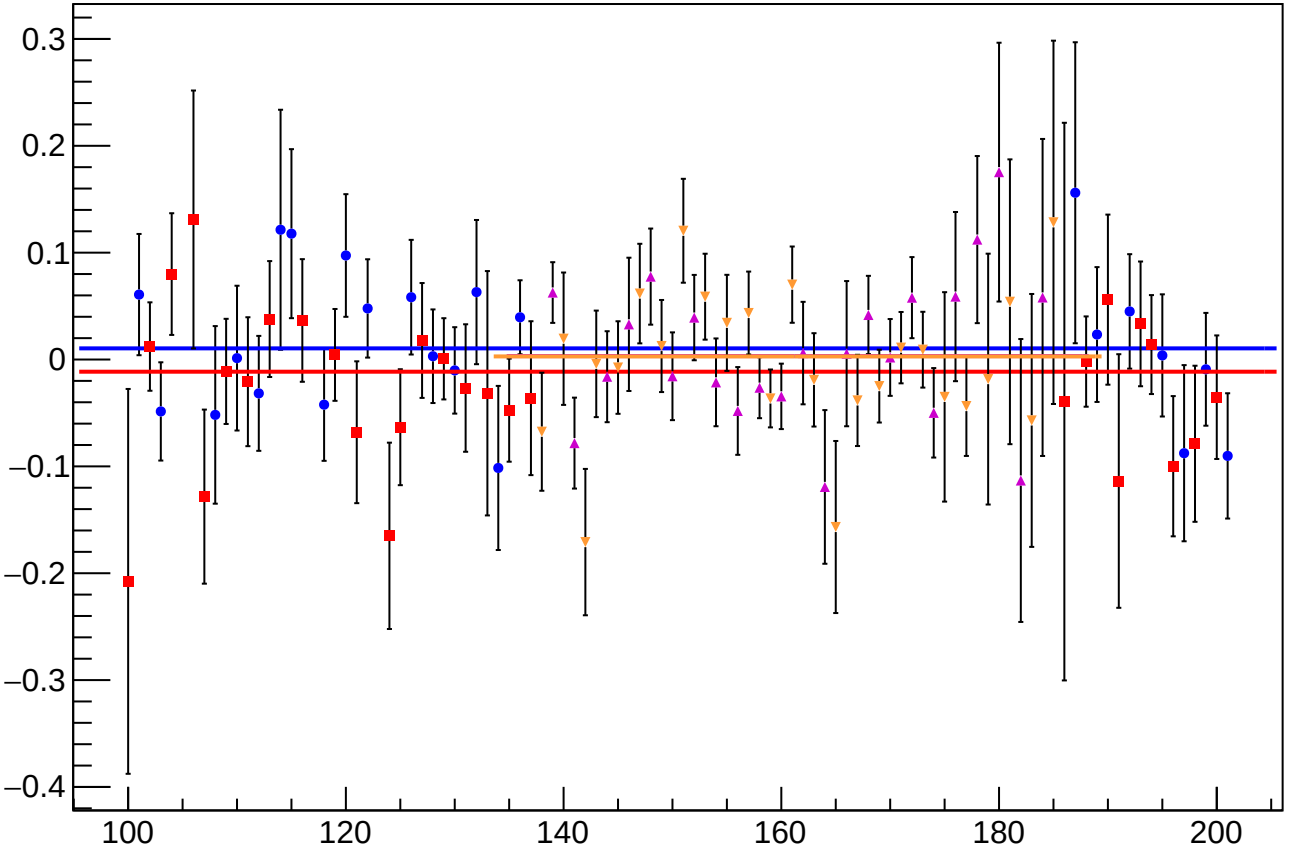
Right: 38.455+/-0.006 χ^2/NDF: 3371958.0/50

In: 36.923+/-0.005 χ^2/NDF:4570464.4/45

Out: 37.746+/-0.005 χ^2/NDF:5711146.7/52

All: 37.339+/-0.004 χ^2/NDF: 10294795.1/98

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: 20.4/27

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

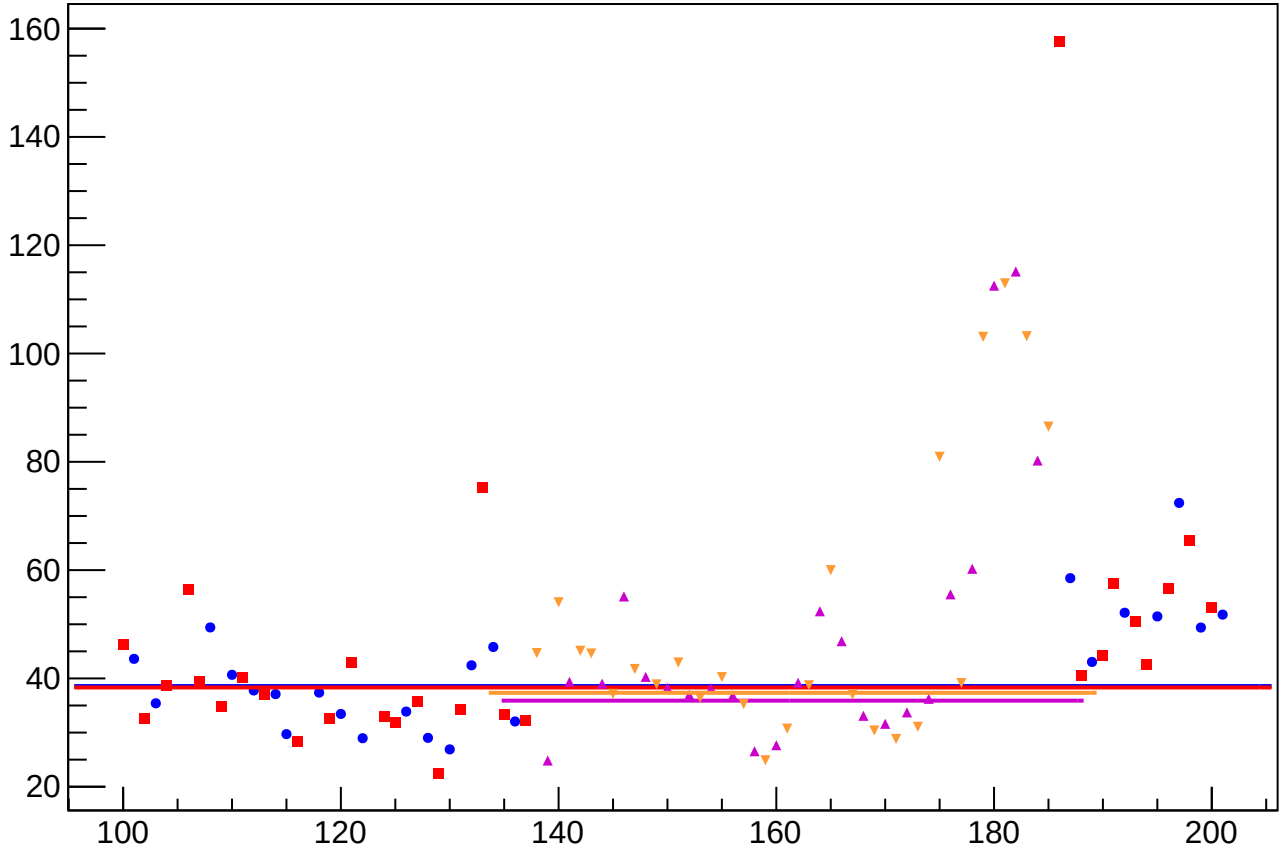
Right: -0.001+/-0.008 χ^2/NDF: 43.2/50

In: 0.006+/-0.007 χ^2/NDF:51.0/45

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.001+/-0.005 χ^2/NDF: 106.0/98

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: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

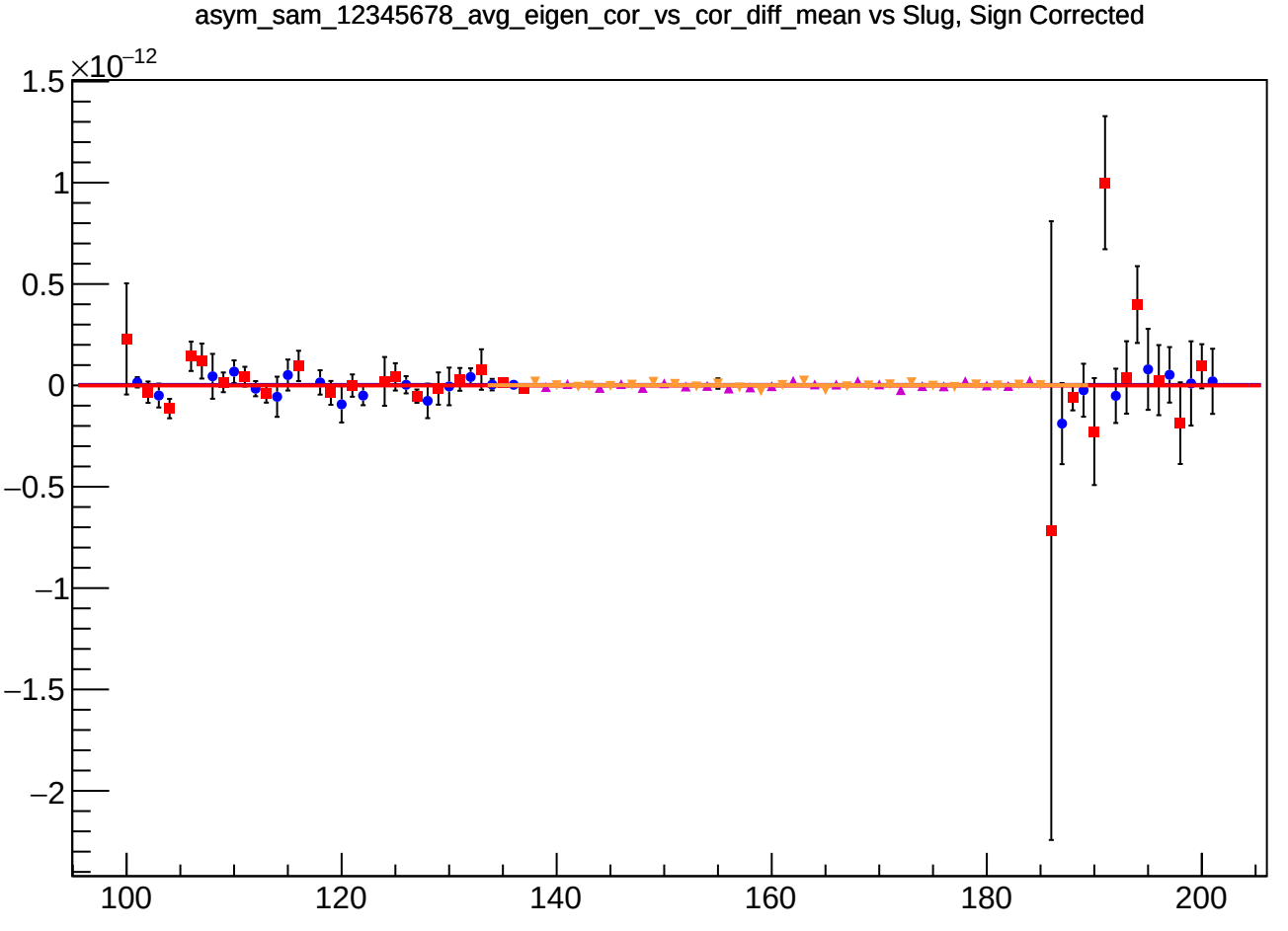
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.455+/-0.006 χ^2/NDF: 3371958.0/50

In: 36.923+/-0.005 χ^2/NDF:4570464.4/45

Out: 37.746+/-0.005 χ^2/NDF:5711146.7/52

All: 37.339+/-0.004 χ^2/NDF: 10294795.1/98



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: 38.8/27

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

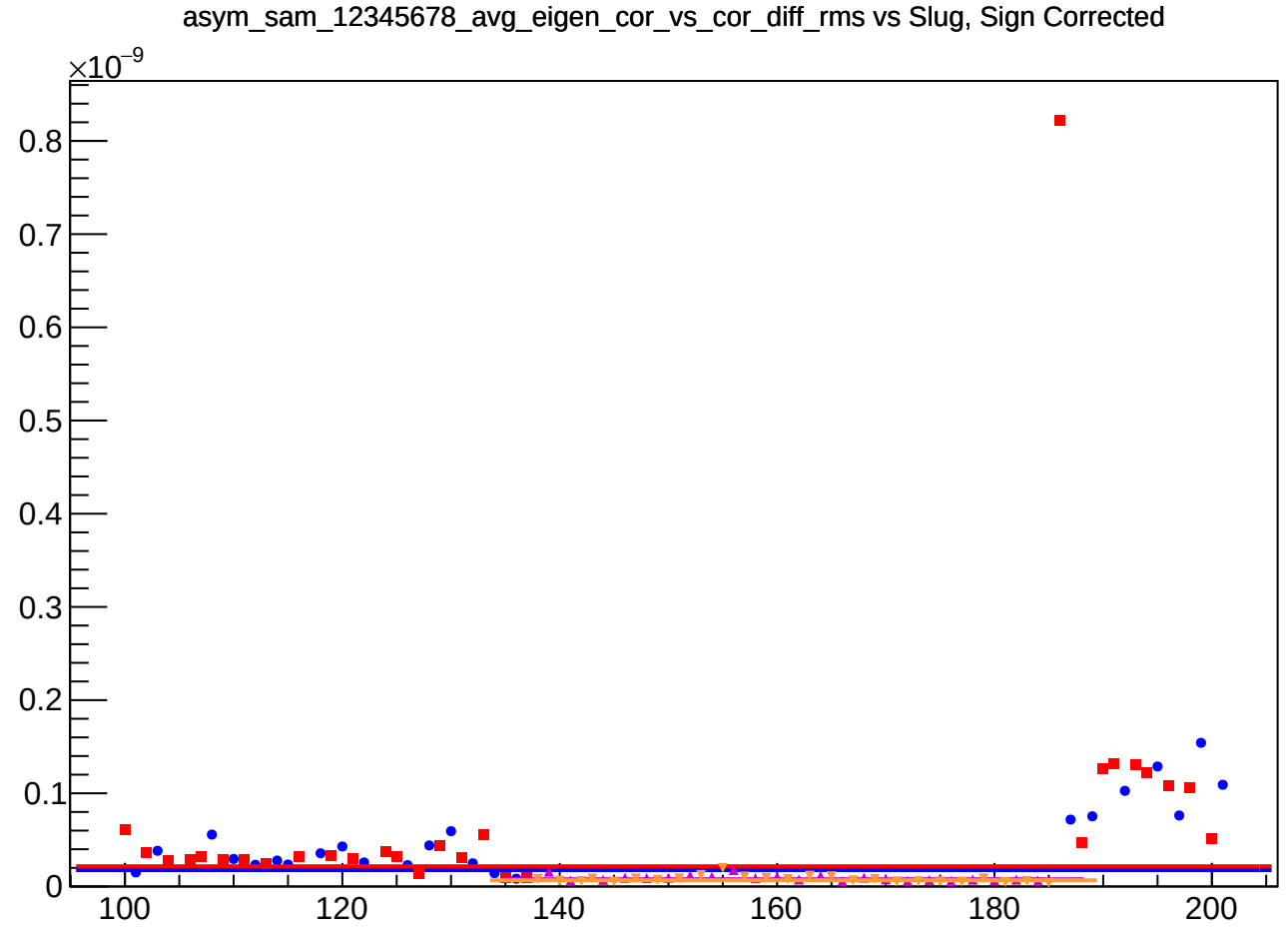
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.9/50

In: 0.000+/-0.000 χ^2/NDF:38.3/45

Out: 0.000+/-0.000 χ^2/NDF:60.2/52

All: 0.000+/-0.000 χ^2/NDF: 98.5/98



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: 6268098.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

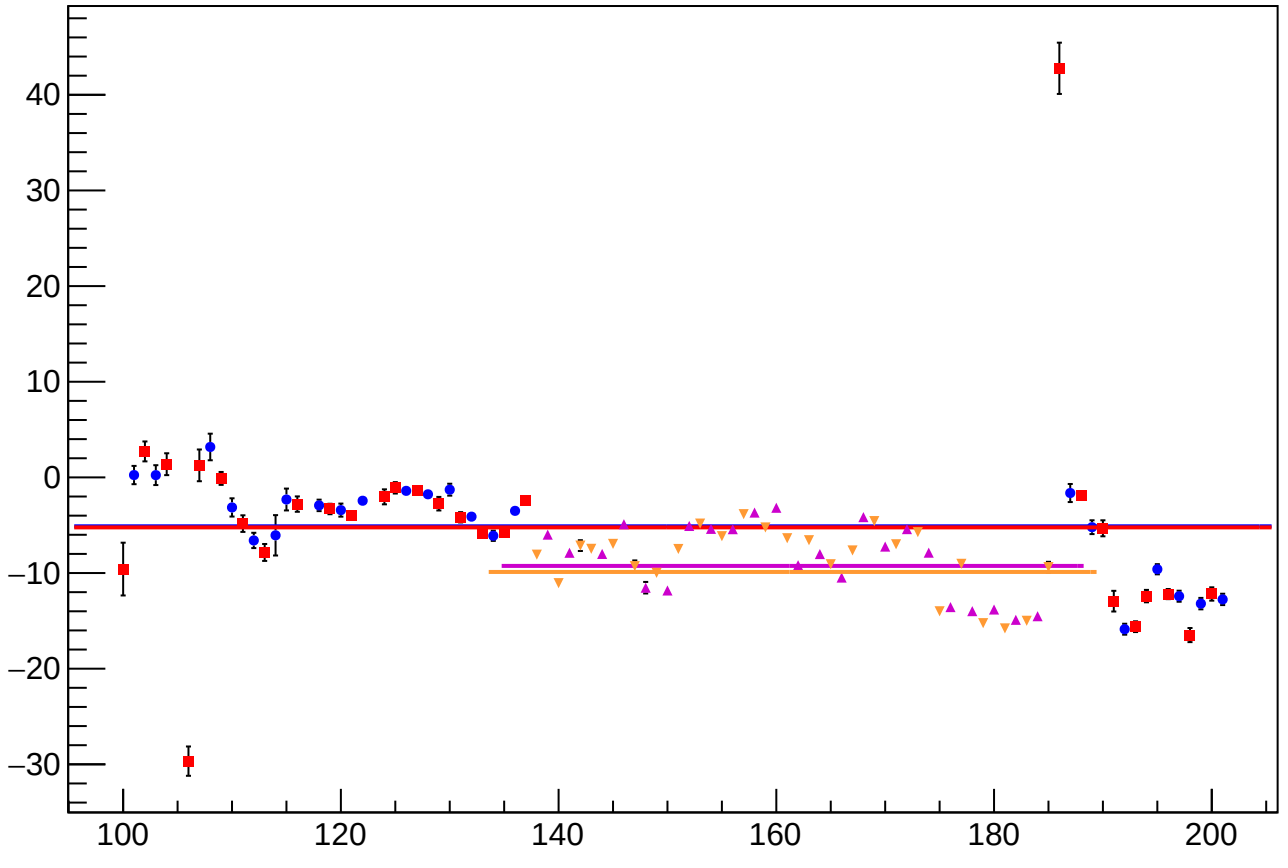
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13189012.8/50

In: 0.000+/-0.000 χ^2/NDF:10761725.4/45

Out: 0.000+/-0.000 χ^2/NDF:12809992.0/52

All: 0.000+/-0.000 χ^2/NDF: 23861969.8/98



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: -5.227+/-0.115 χ^2/NDF: 2102.2/27

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

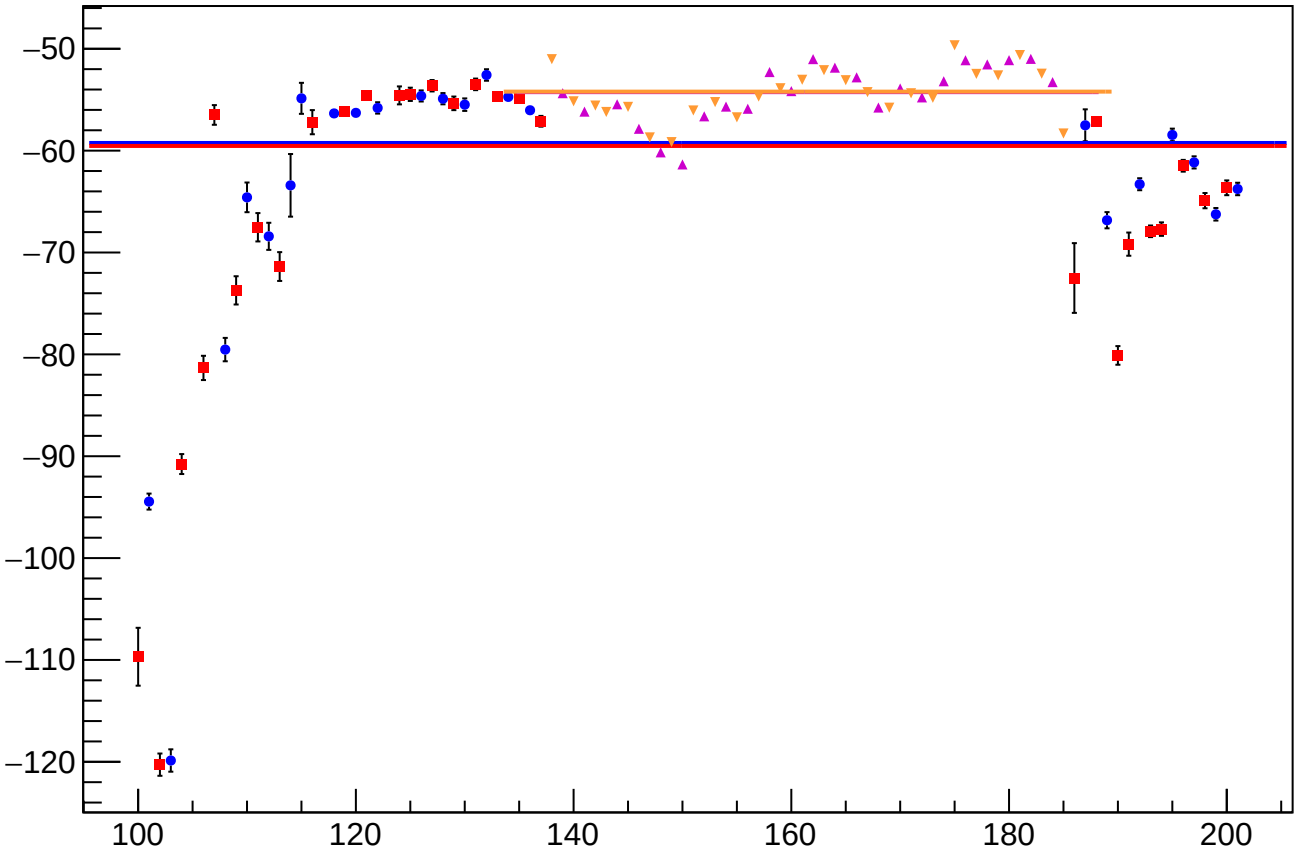
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.171+/-0.082 χ^2/NDF: 3411.2/50

In: -8.127+/-0.061 χ^2/NDF:5286.9/45

Out: -8.636+/-0.059 χ^2/NDF:6514.1/52

All: -8.388+/-0.043 χ^2/NDF: 11836.7/98



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: -59.538+/-0.119 χ^2/NDF: 7029.4/27

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

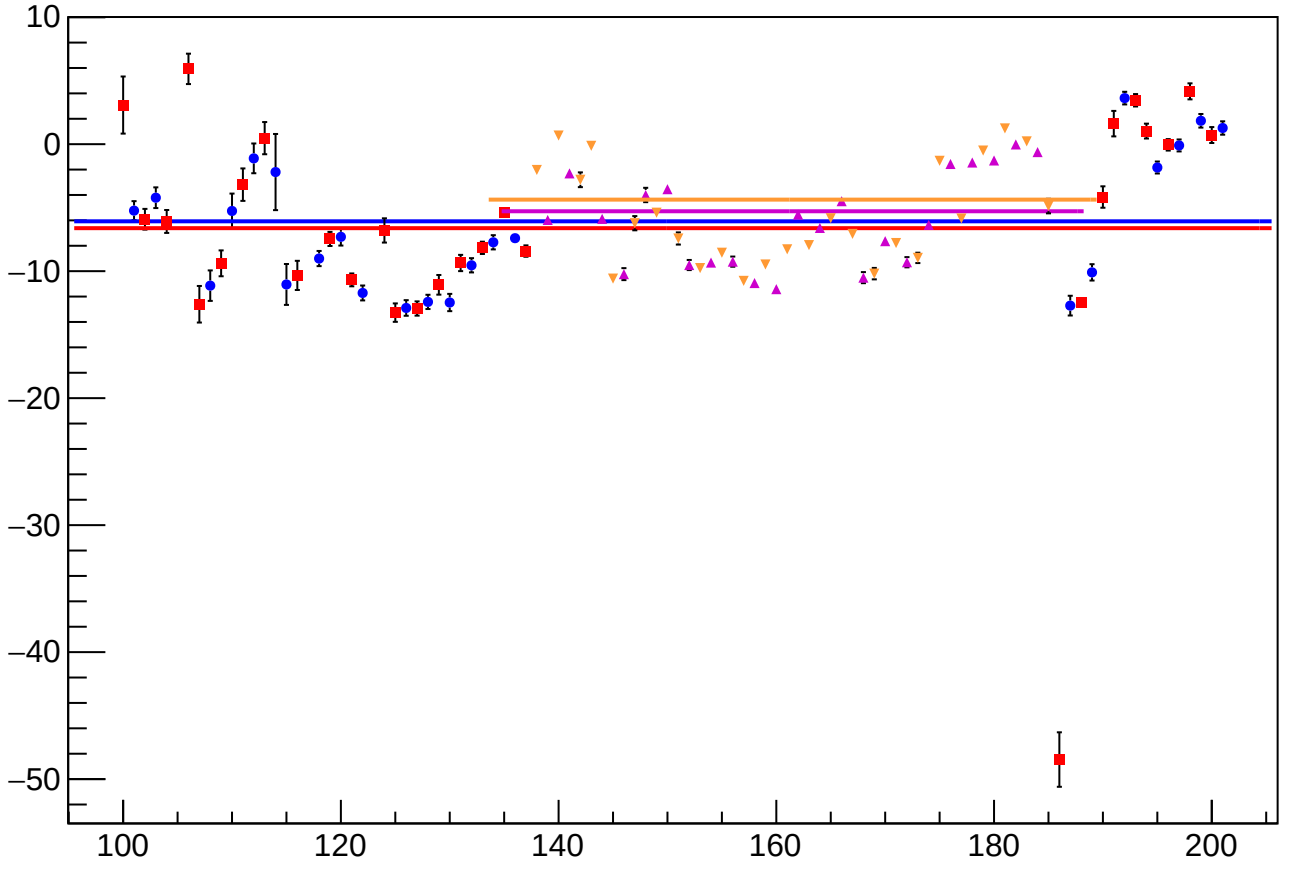
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.393+/-0.084 χ^2/NDF: 13553.1/50

In: -55.217+/-0.052 χ^2/NDF:10418.6/45

Out: -55.167+/-0.051 χ^2/NDF:10531.3/52

All: -55.191+/-0.036 χ^2/NDF: 20950.4/98



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: -6.614+/-0.114 χ^2/NDF: 2764.7/27

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

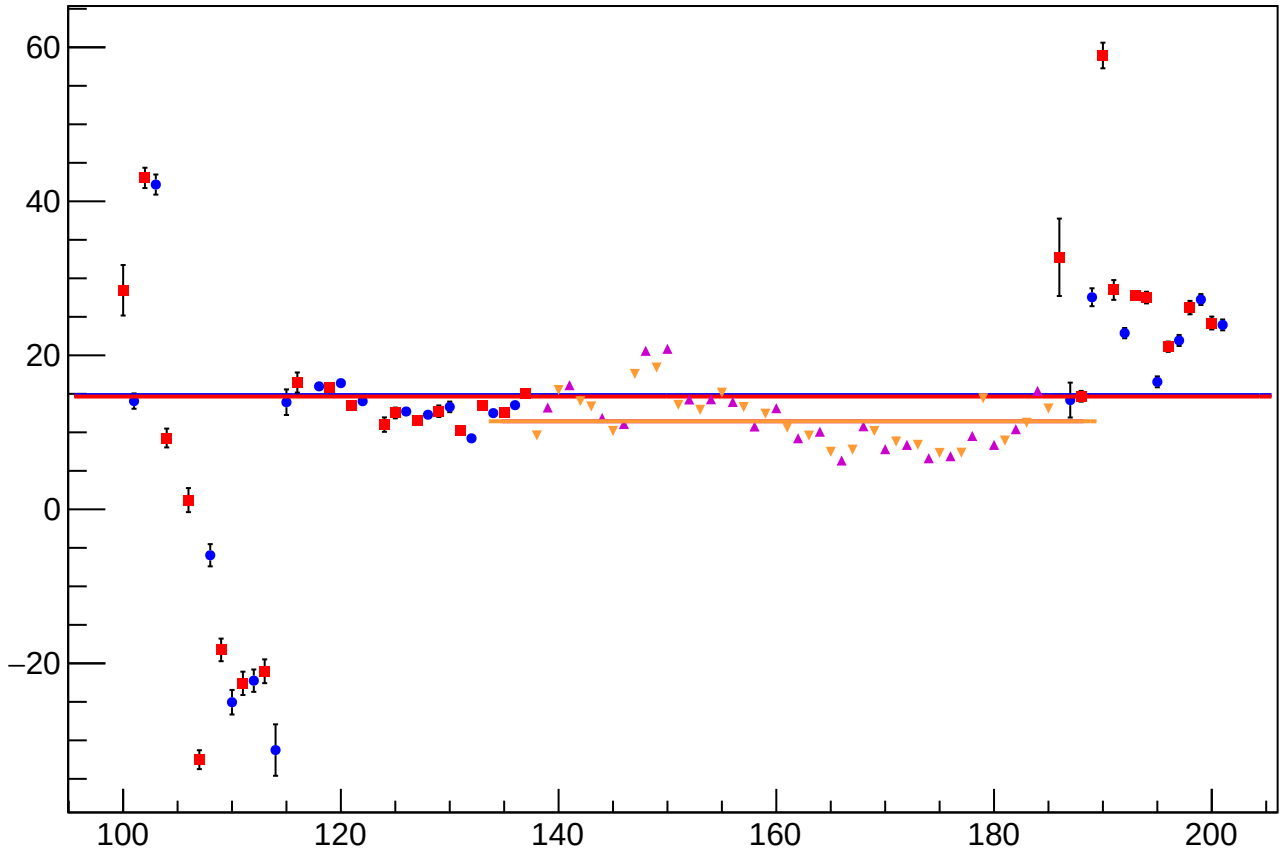
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.353+/-0.082 χ^2/NDF: 4516.6/50

In: -5.494+/-0.061 χ^2/NDF:4524.2/45

Out: -4.972+/-0.059 χ^2/NDF:6750.2/52

All: -5.226+/-0.042 χ^2/NDF: 11312.1/98



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: 14.651+/-0.136 χ^2/NDF: 5804.4/27

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

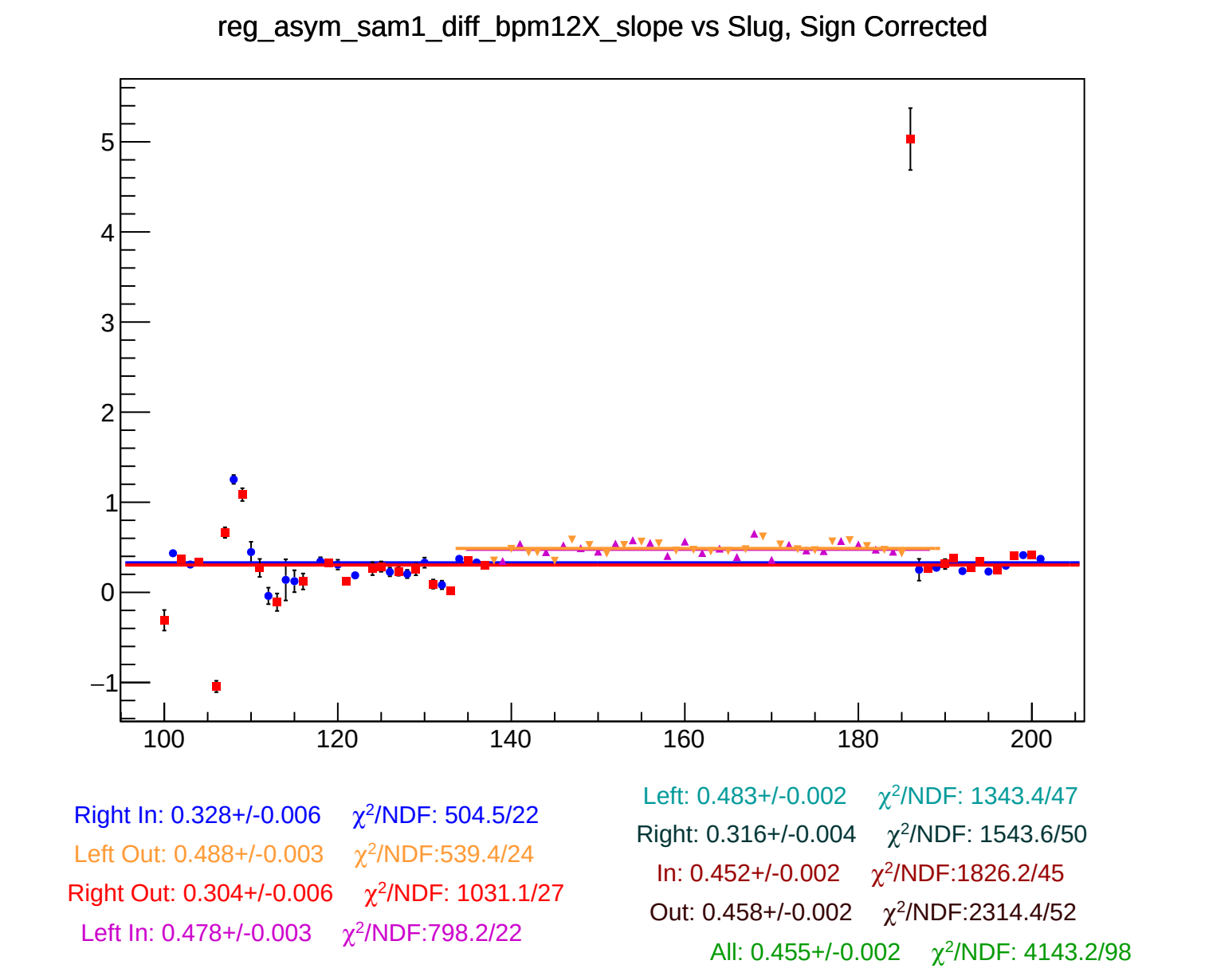
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

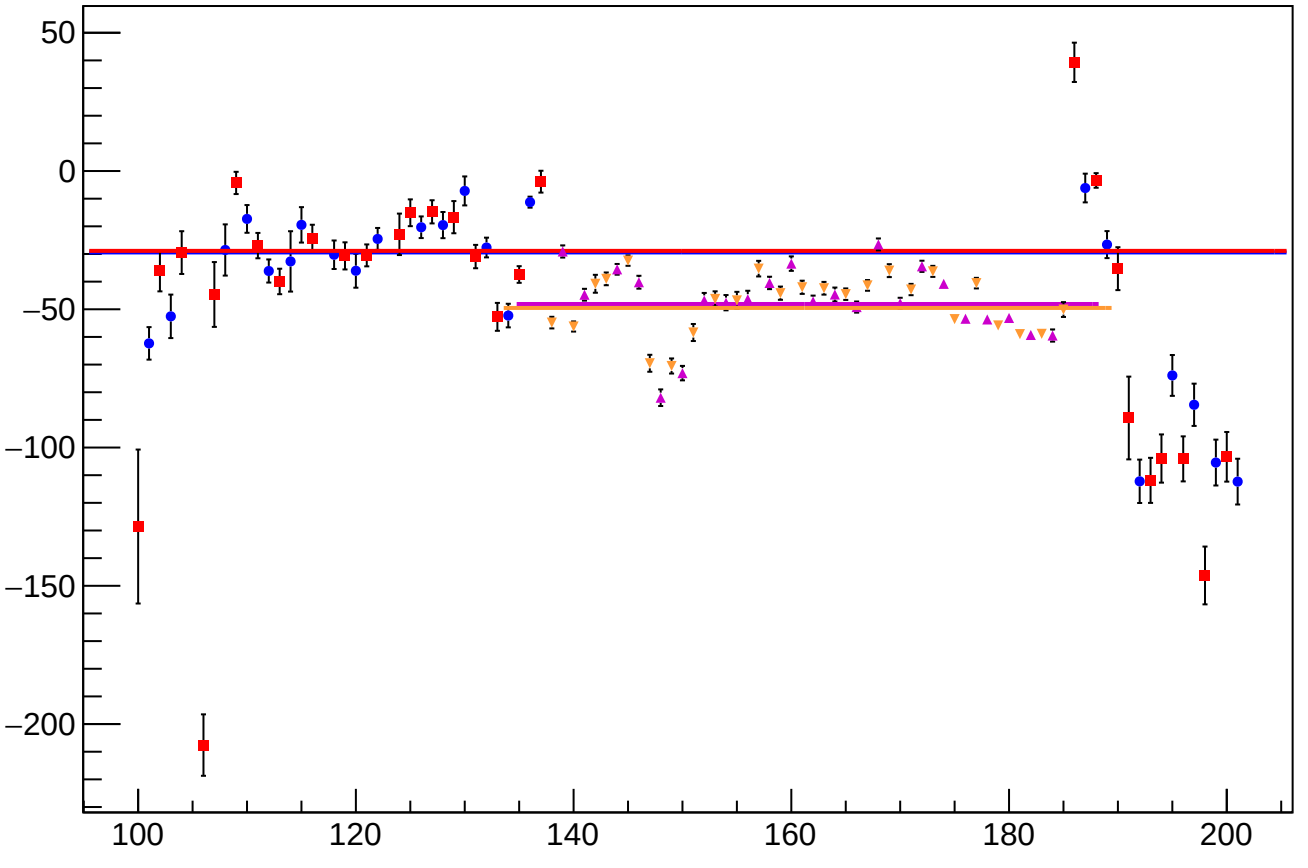
Right: 14.746+/-0.096 χ^2/NDF: 8951.9/50

In: 12.072+/-0.058 χ^2/NDF:7025.4/45

Out: 11.988+/-0.056 χ^2/NDF:8700.2/52

All: 12.029+/-0.040 χ^2/NDF: 15726.7/98


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.328+/-0.006 χ²/NDF: 504.5/22
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.304+/-0.006 χ²/NDF: 1031.1/27
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.316+/-0.004 χ²/NDF: 1543.6/50
In: 0.452+/-0.002 χ²/NDF:1826.2/45
Out: 0.458+/-0.002 χ²/NDF:2314.4/52
All: 0.455+/-0.002 χ²/NDF: 4143.2/98



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: -28.877+/-0.989 χ^2/NDF: 1074.3/27

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

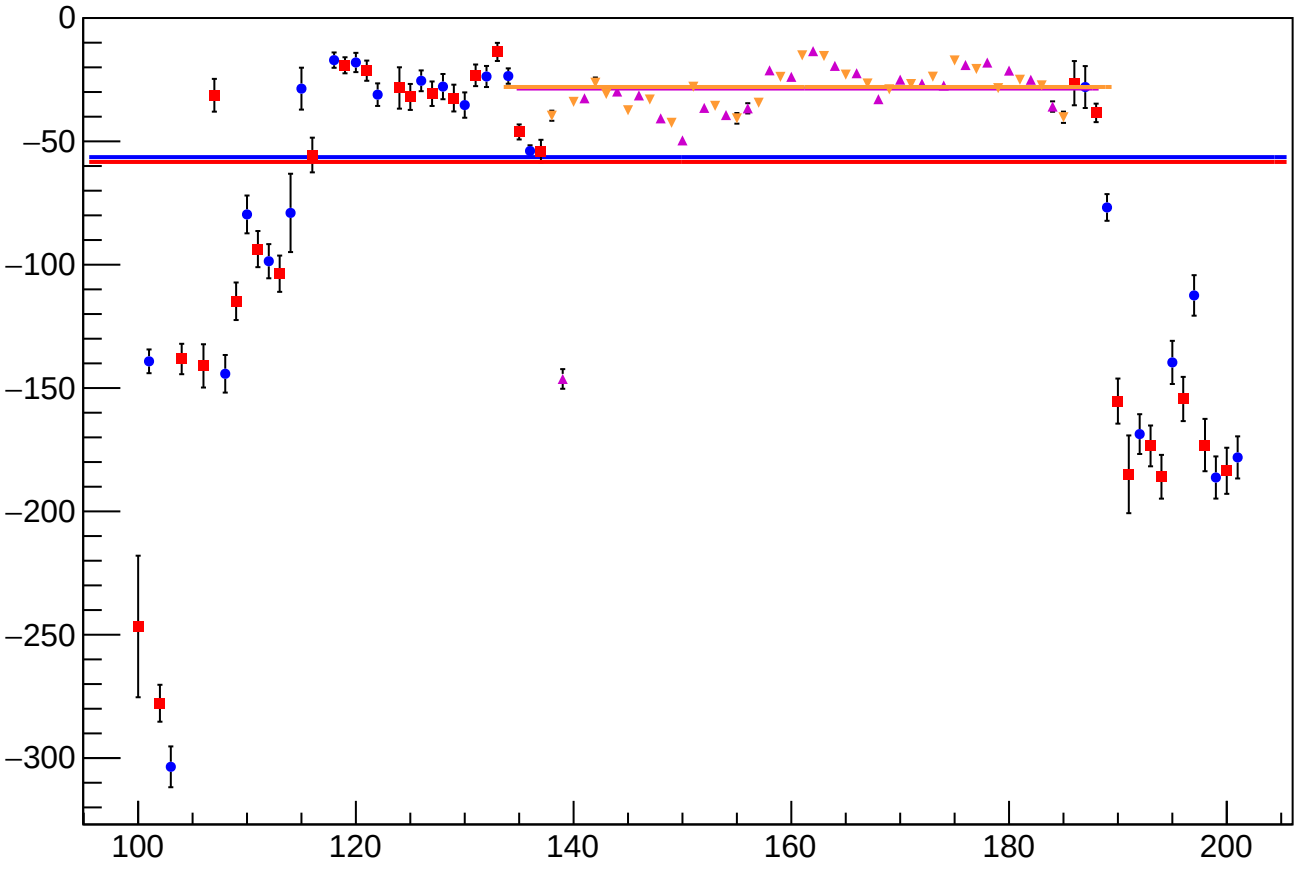
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -29.157+/-0.702 χ^2/NDF: 1672.8/50

In: -45.291+/-0.386 χ^2/NDF:1602.2/45

Out: -46.585+/-0.373 χ^2/NDF:2024.3/52

All: -45.960+/-0.268 χ^2/NDF: 3632.3/98



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: -58.350+/-1.069 χ^2/NDF: 2869.4/27

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

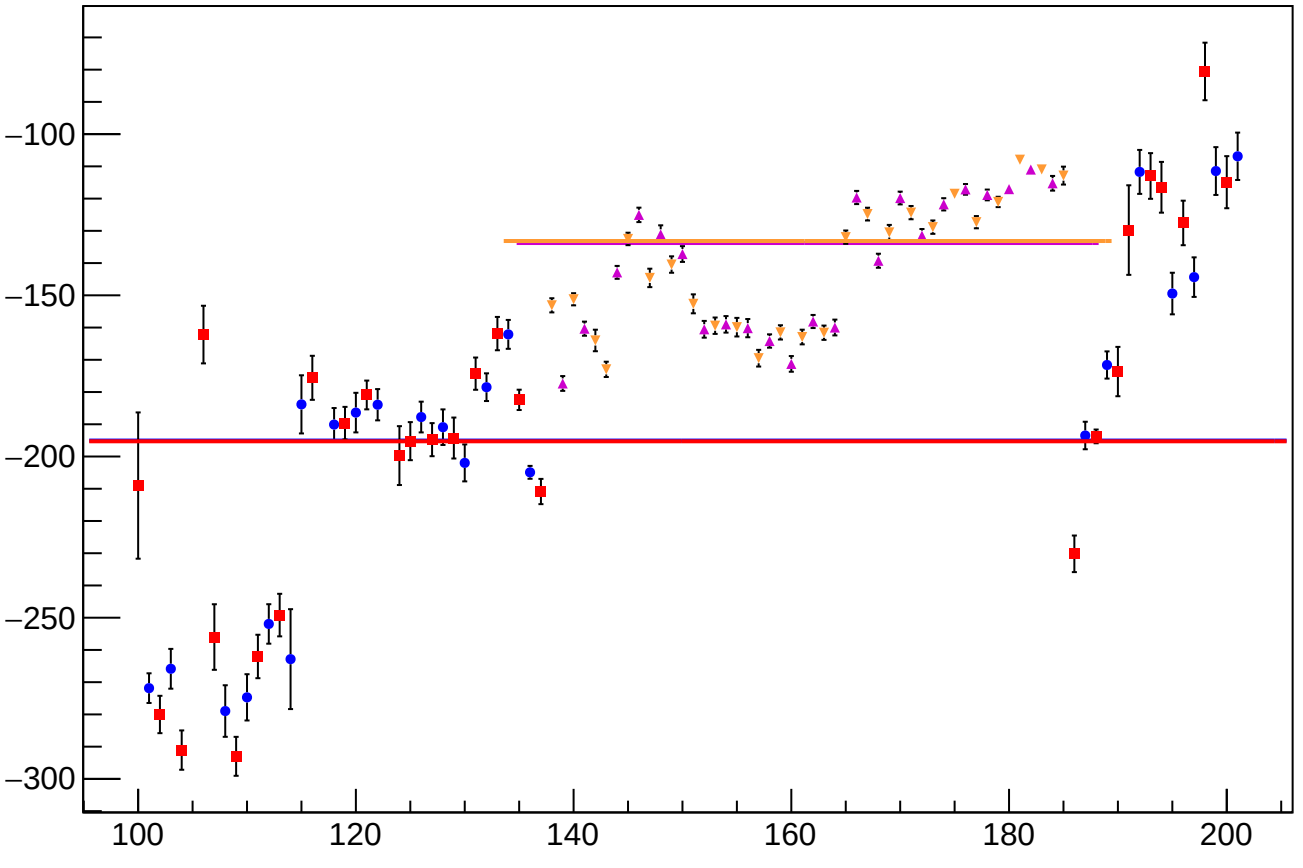
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -57.332+/-0.741 χ^2/NDF: 5601.6/50

In: -31.234+/-0.317 χ^2/NDF:4871.0/45

Out: -30.472+/-0.308 χ^2/NDF:4108.5/52

All: -30.841+/-0.221 χ^2/NDF: 8982.4/98



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: -195.280+/-1.016 χ^2/NDF: 1712.4/27

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

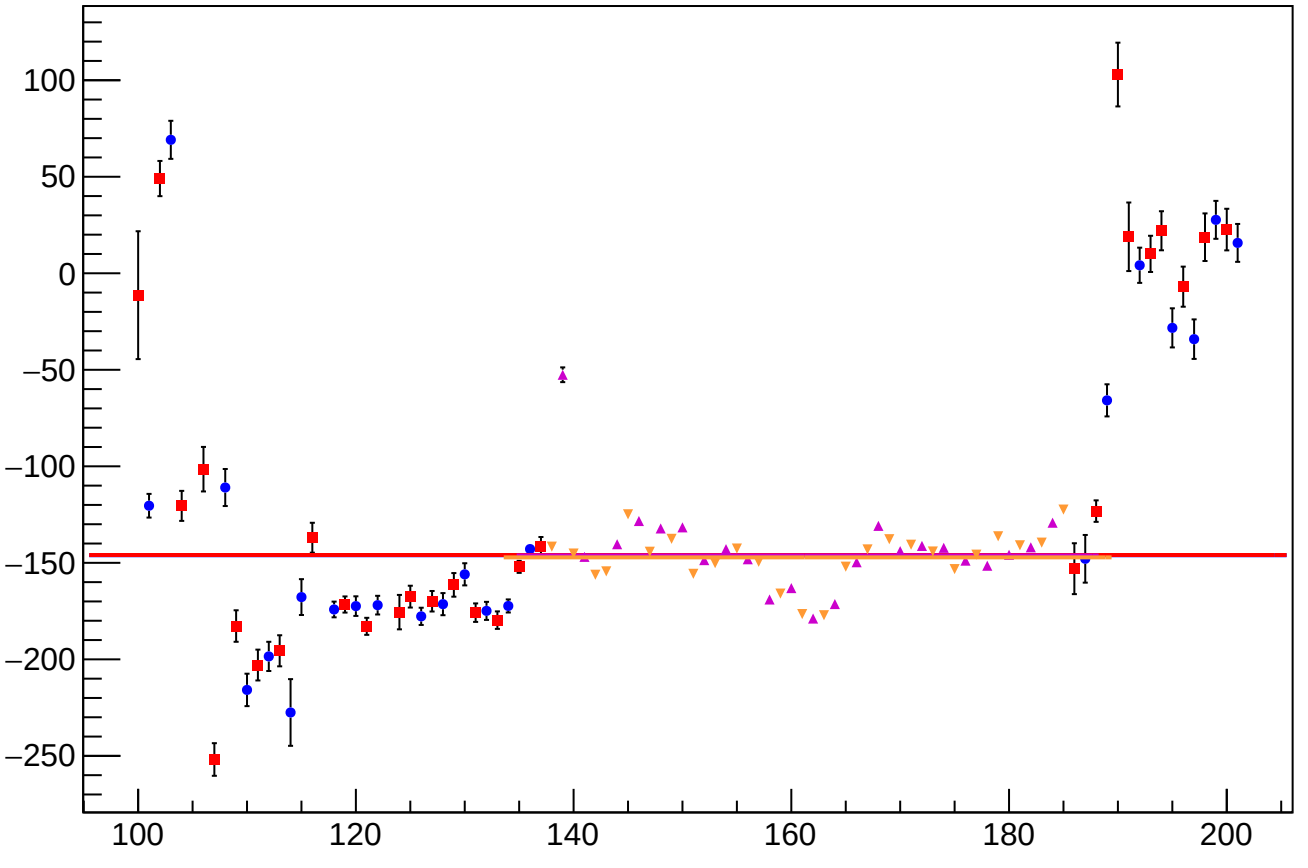
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -195.170+/-0.724 χ^2/NDF: 3138.2/50

In: -142.387+/-0.387 χ^2/NDF:6900.7/45

Out: -141.603+/-0.375 χ^2/NDF:7475.9/52

All: -141.982+/-0.269 χ^2/NDF: 14378.7/98



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: -145.944+/-1.230 χ^2/NDF: 2511.6/27

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

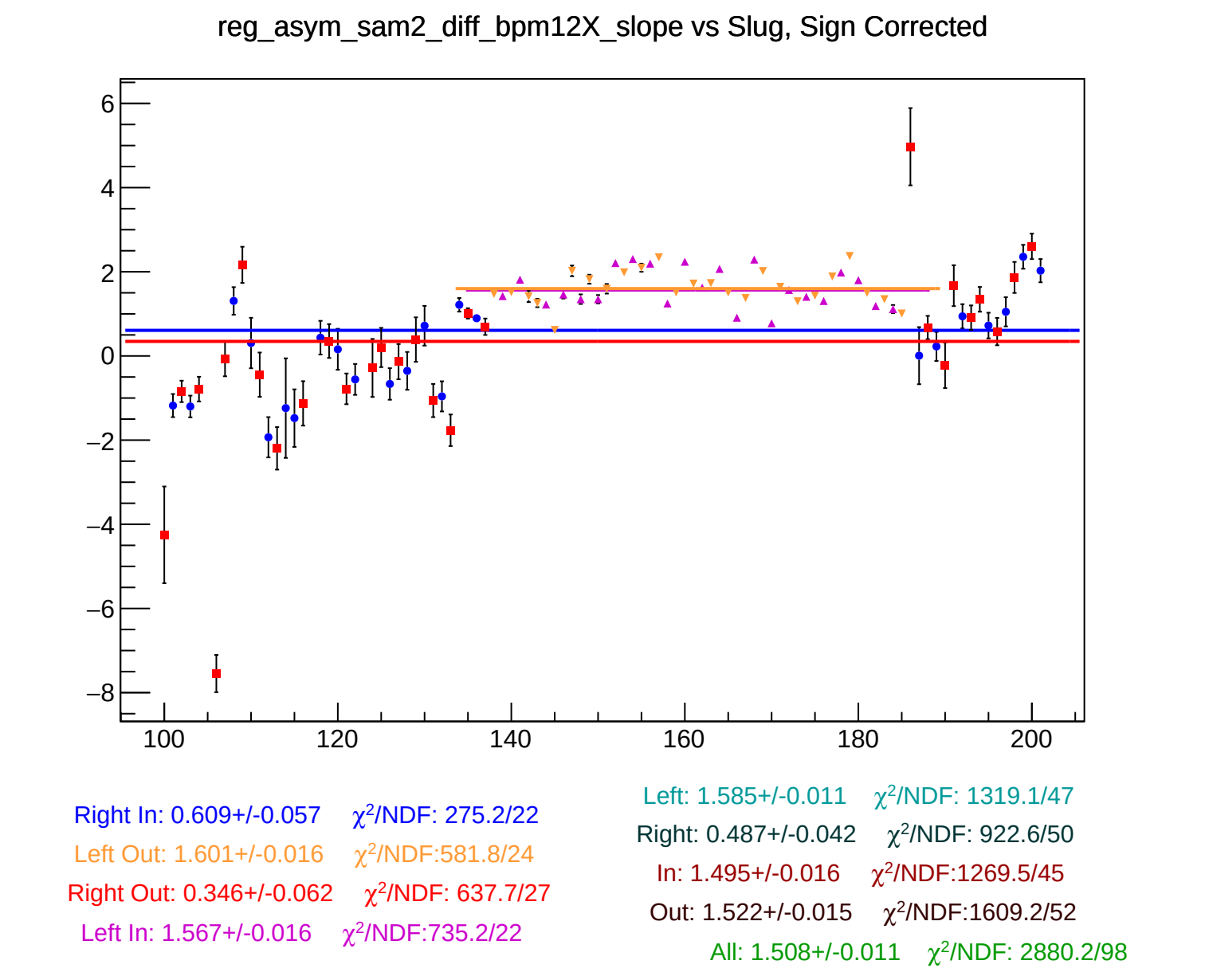
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

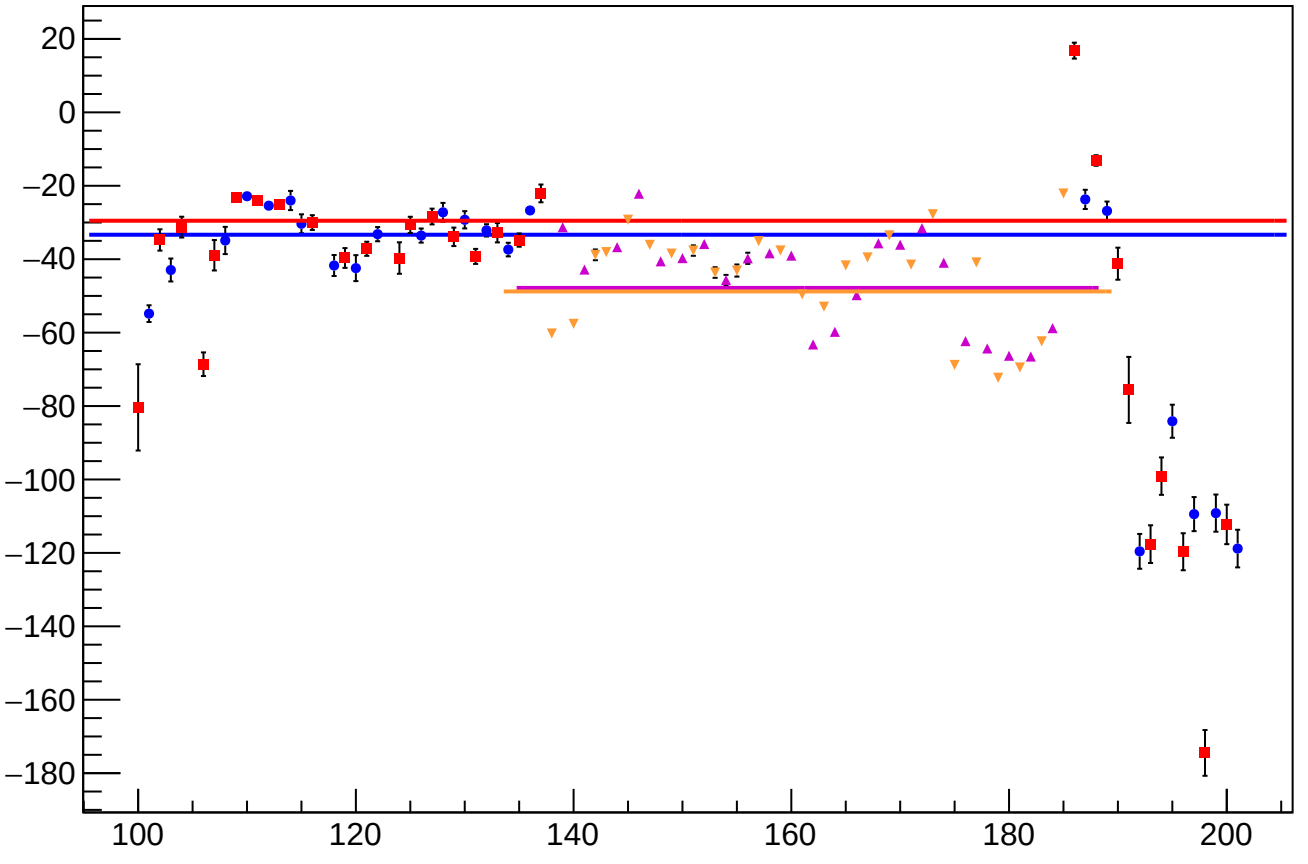
Right: -146.007+/-0.845 χ^2/NDF: 4642.8/50

In: -146.163+/-0.353 χ^2/NDF:3925.0/45

Out: -147.071+/-0.344 χ^2/NDF:3758.1/52

All: -146.629+/-0.246 χ^2/NDF: 7686.5/98


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: 0.346+/-0.062 χ²/NDF: 637.7/27
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.487+/-0.042 χ²/NDF: 922.6/50
In: 1.495+/-0.016 χ²/NDF:1269.5/45
Out: 1.522+/-0.015 χ²/NDF:1609.2/52
All: 1.508+/-0.011 χ²/NDF: 2880.2/98



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: -29.522+/-0.413 χ^2/NDF: 2527.2/27

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

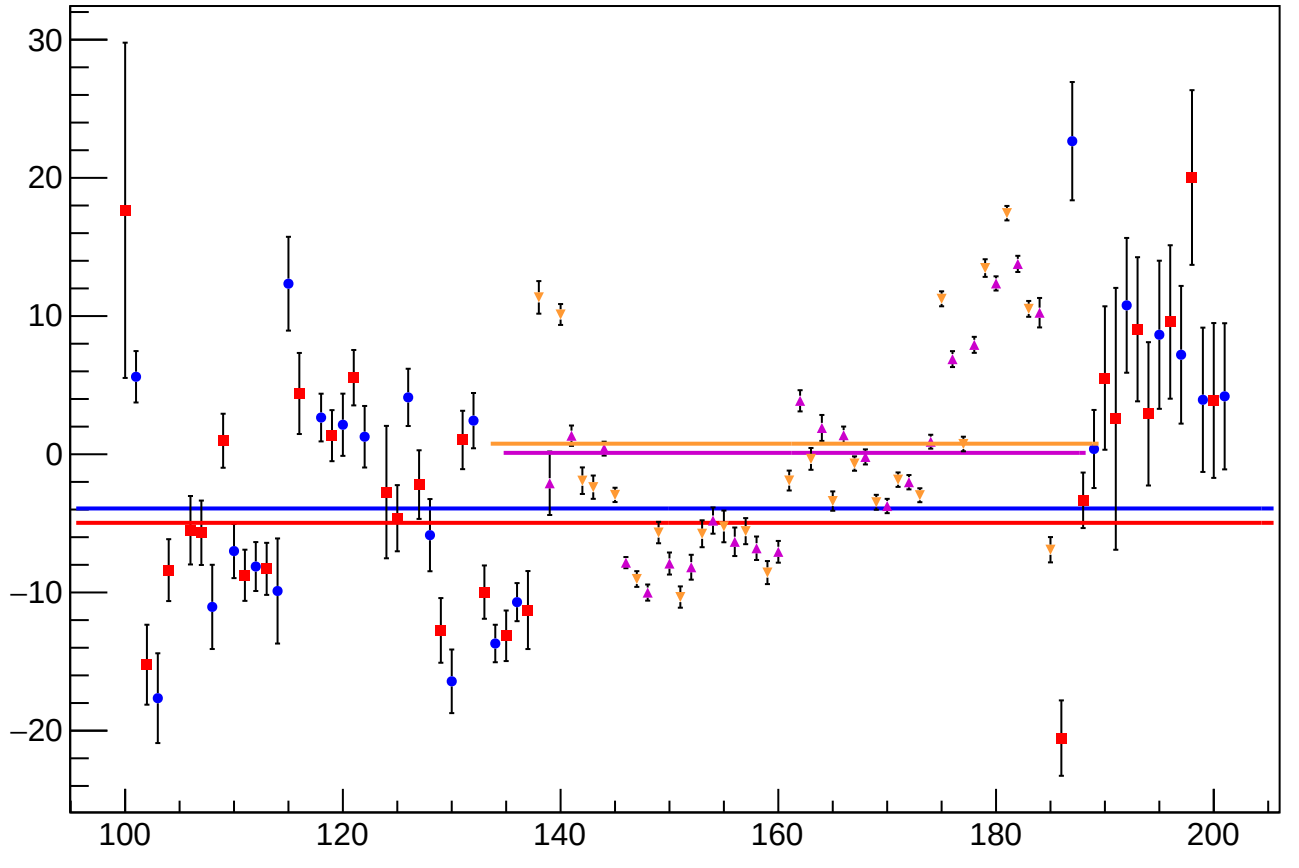
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

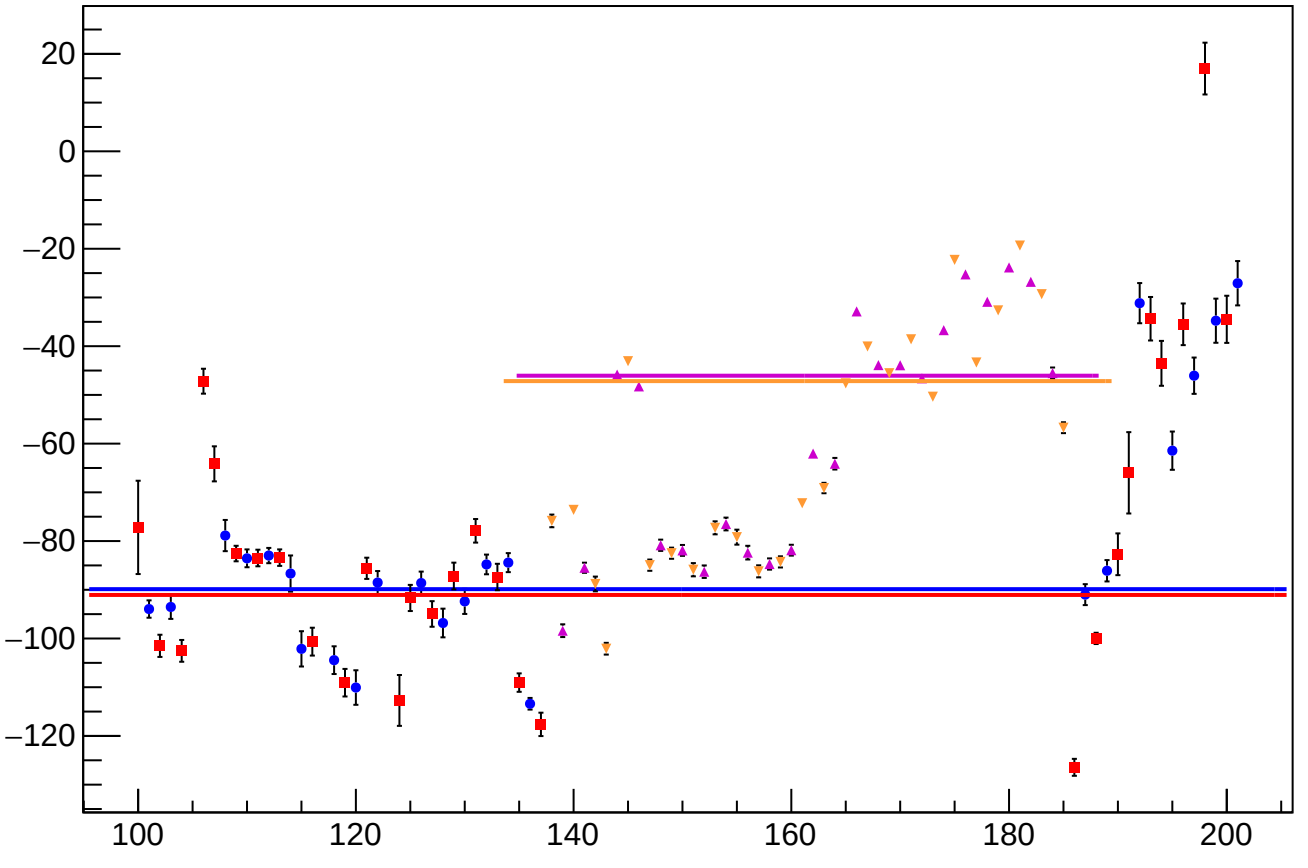
Right: -31.293+/-0.302 χ^2/NDF: 4110.7/50

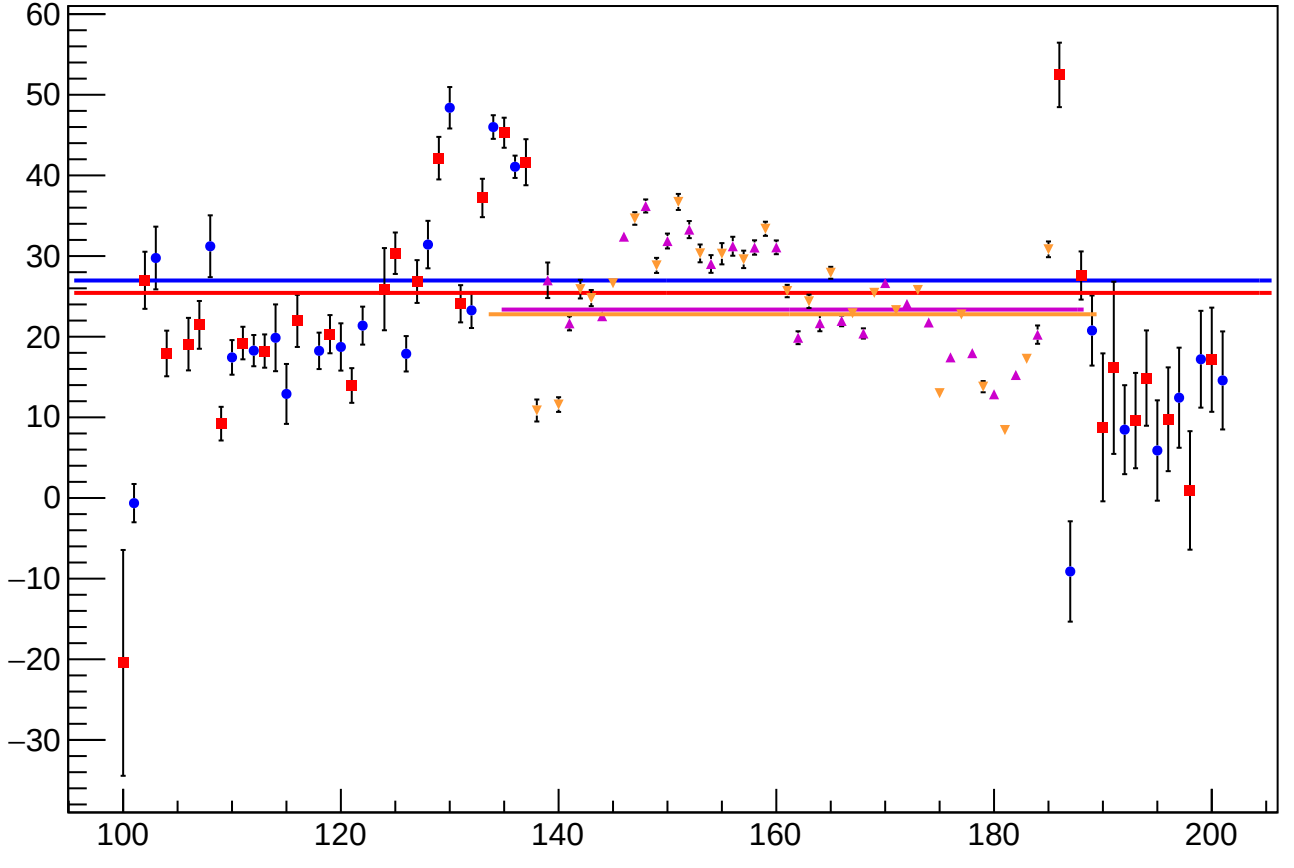
In: -45.966+/-0.159 χ^2/NDF:9697.6/45

Out: -46.082+/-0.155 χ^2/NDF:13351.8/52

All: -46.025+/-0.111 χ^2/NDF: 23049.7/98


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.922+/-0.487 χ²/NDF: 306.7/22
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -4.962+/-0.486 χ²/NDF: 209.2/27
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.443+/-0.344 χ²/NDF: 518.2/50
In: -0.178+/-0.128 χ²/NDF:3092.1/45
Out: 0.370+/-0.128 χ²/NDF:3805.9/52
All: 0.097+/-0.090 χ²/NDF: 6907.2/98


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -89.871+/-0.489 χ²/NDF: 1264.4/22
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -91.060+/-0.458 χ²/NDF: 2264.2/27
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -90.504+/-0.334 χ²/NDF: 3531.8/50
In: -50.794+/-0.161 χ²/NDF:23200.0/45
Out: -52.347+/-0.157 χ²/NDF:28021.9/52
All: -51.587+/-0.112 χ²/NDF: 51269.6/98



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: 25.431+/-0.560 χ^2/NDF: 434.0/27

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

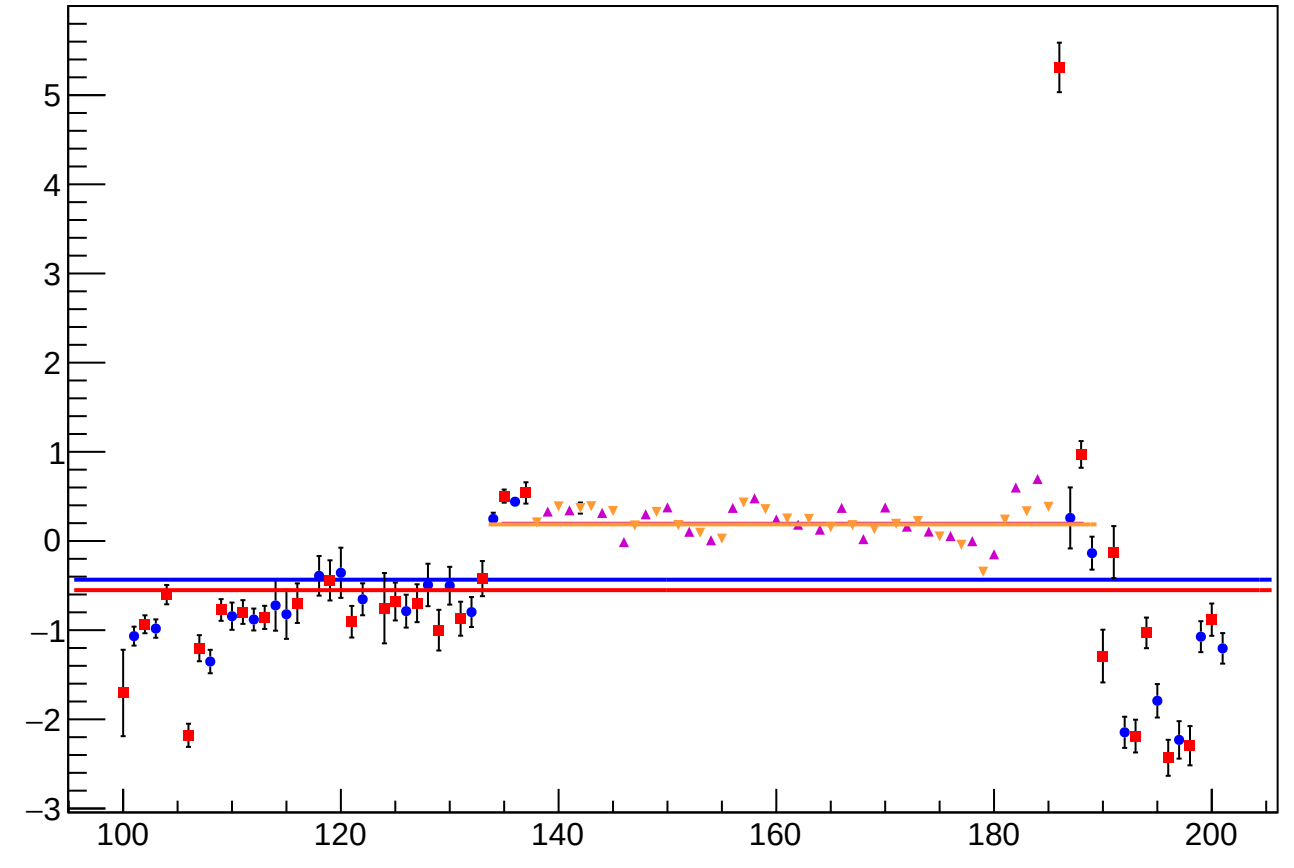
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.214+/-0.392 χ^2/NDF: 1095.4/50

In: 23.612+/-0.144 χ^2/NDF:2482.9/45

Out: 22.953+/-0.142 χ^2/NDF:2867.9/52

All: 23.280+/-0.101 χ^2/NDF: 5361.4/98



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: -0.551+/-0.030 χ^2/NDF: 1308.4/27

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

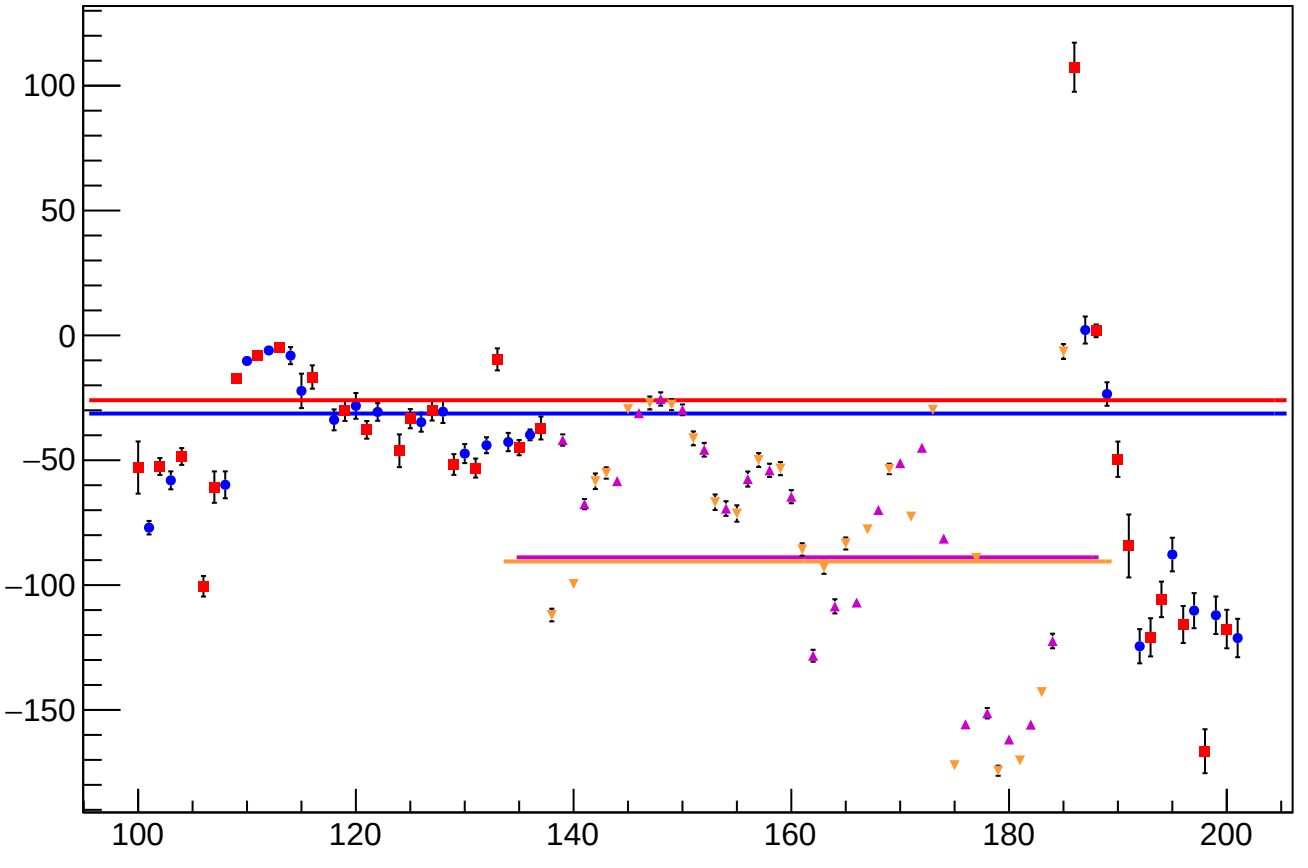
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.490+/-0.020 χ^2/NDF: 2061.0/50

In: 0.160+/-0.006 χ^2/NDF:2150.1/45

Out: 0.151+/-0.006 χ^2/NDF:2548.2/52

All: 0.156+/-0.005 χ^2/NDF: 4699.2/98



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: -25.967+/-0.626 χ^2/NDF: 2152.5/27

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

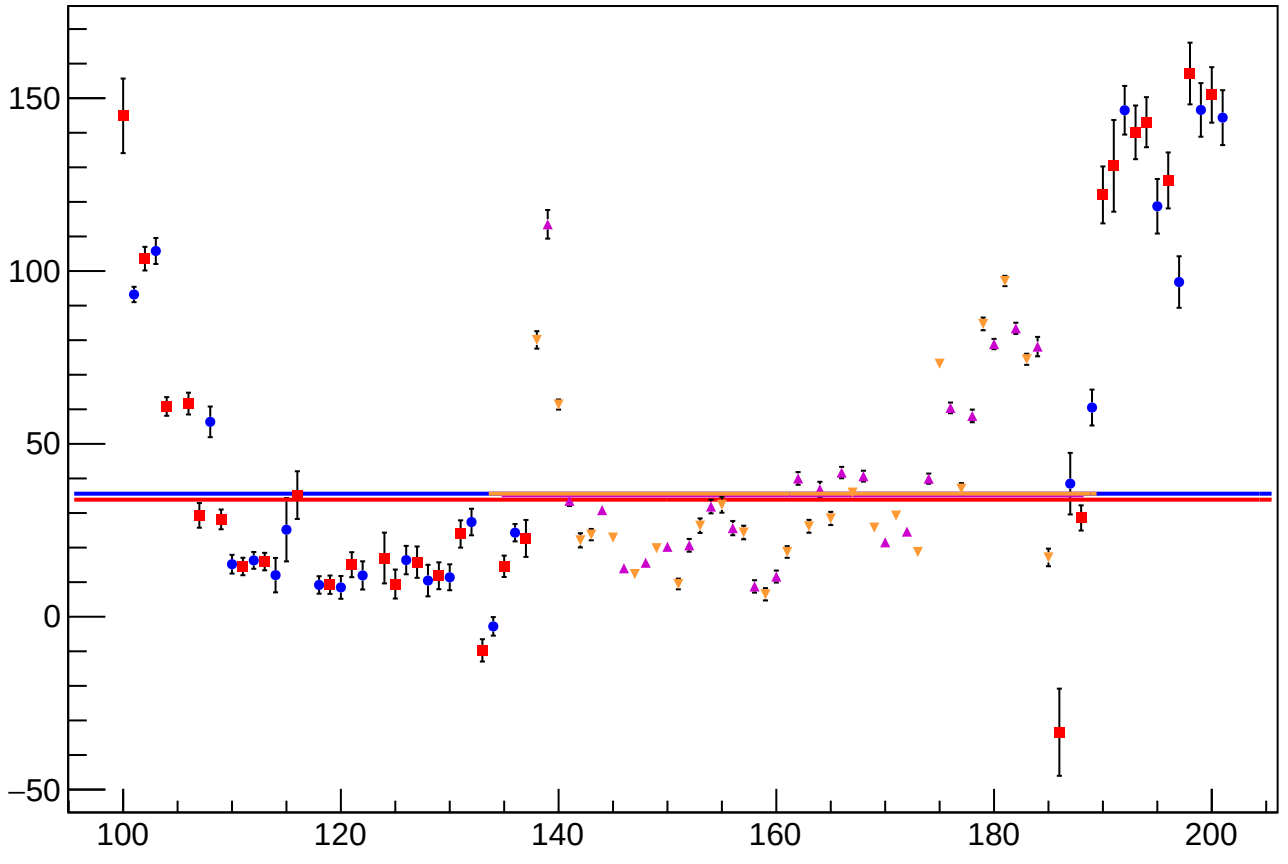
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -28.352+/-0.465 χ^2/NDF: 3775.2/50

In: -72.725+/-0.369 χ^2/NDF:18336.4/45

Out: -70.412+/-0.350 χ^2/NDF:24831.4/52

All: -71.507+/-0.254 χ^2/NDF: 43188.5/98



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: 33.861+/-0.755 χ^2/NDF: 2390.3/27

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

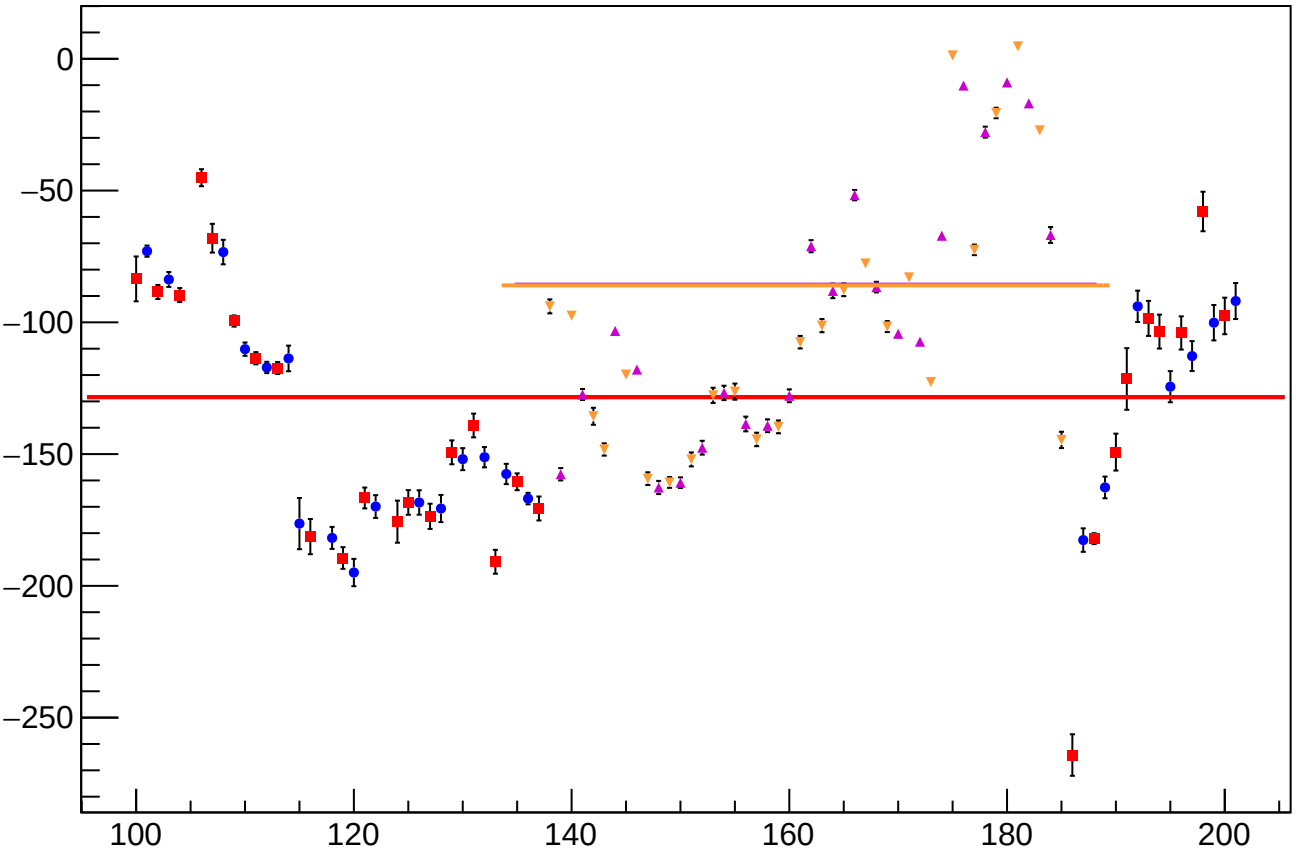
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 34.705+/-0.540 χ^2/NDF: 4955.9/50

In: 35.188+/-0.308 χ^2/NDF:6707.8/45

Out: 35.337+/-0.299 χ^2/NDF:8367.9/52

All: 35.265+/-0.215 χ^2/NDF: 15075.8/98



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: -128.349+/-0.714 χ^2/NDF: 3622.7/27

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

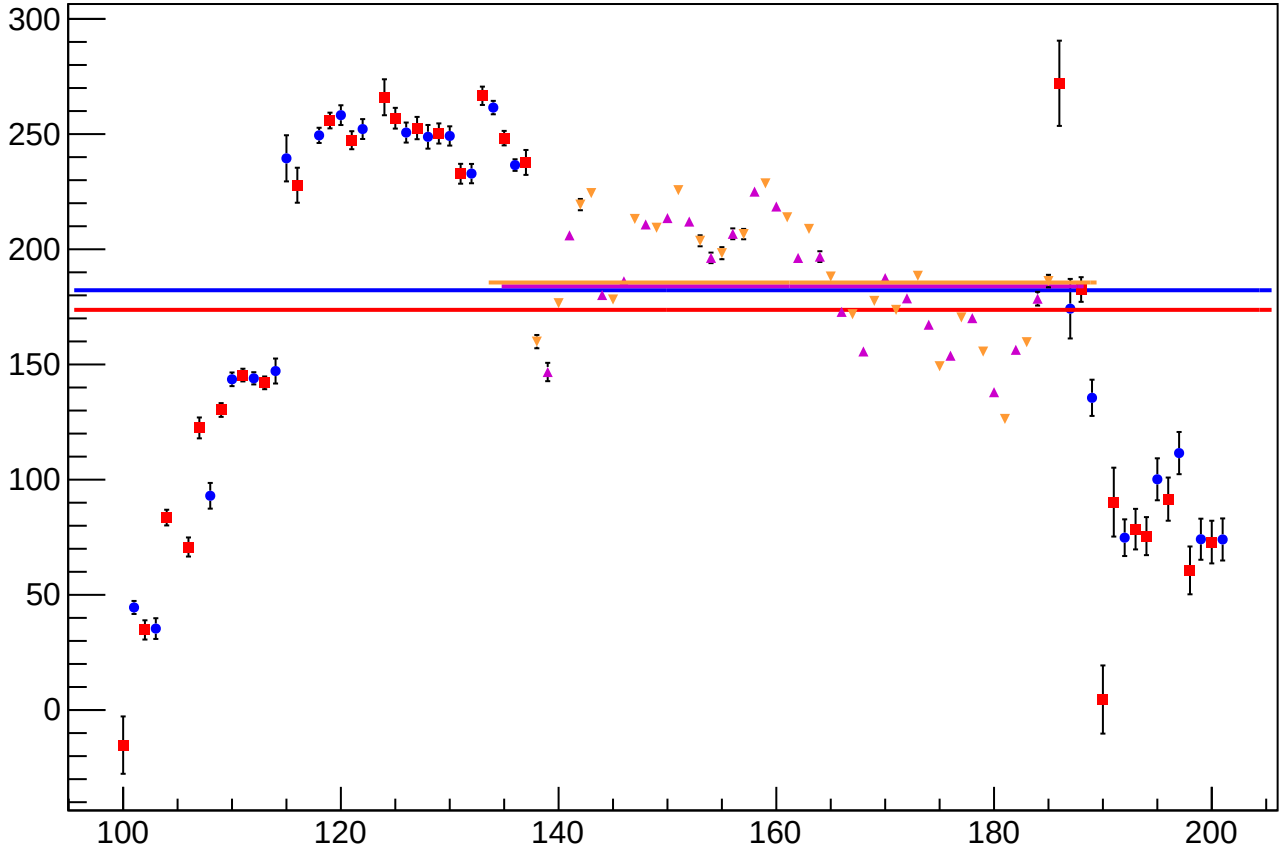
Right: -128.379+/-0.523 χ^2/NDF: 6108.2/50

In: -95.984+/-0.377 χ^2/NDF:18591.5/45

Out: -96.892+/-0.363 χ^2/NDF:22469.5/52

All: -96.456+/-0.261 χ^2/NDF: 41063.9/98

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: 173.708+/-0.871 χ^2/NDF: 7467.9/27

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

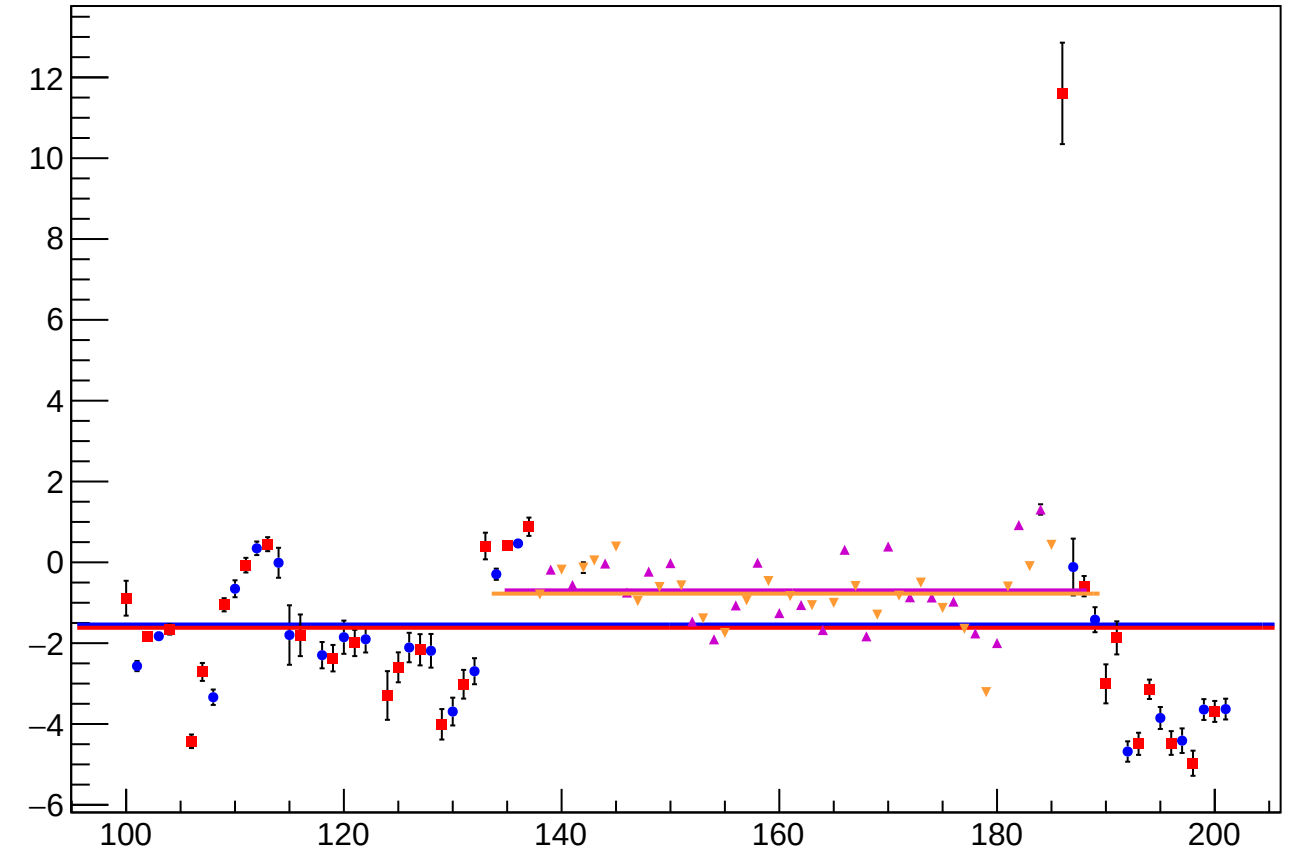
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 177.888+/-0.621 χ^2/NDF: 15320.0/50

In: 183.676+/-0.347 χ^2/NDF:11681.9/45

Out: 183.793+/-0.338 χ^2/NDF:12980.6/52

All: 183.736+/-0.242 χ^2/NDF: 24662.5/98



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: -1.619+/-0.043 χ^2/NDF: 1607.2/27

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

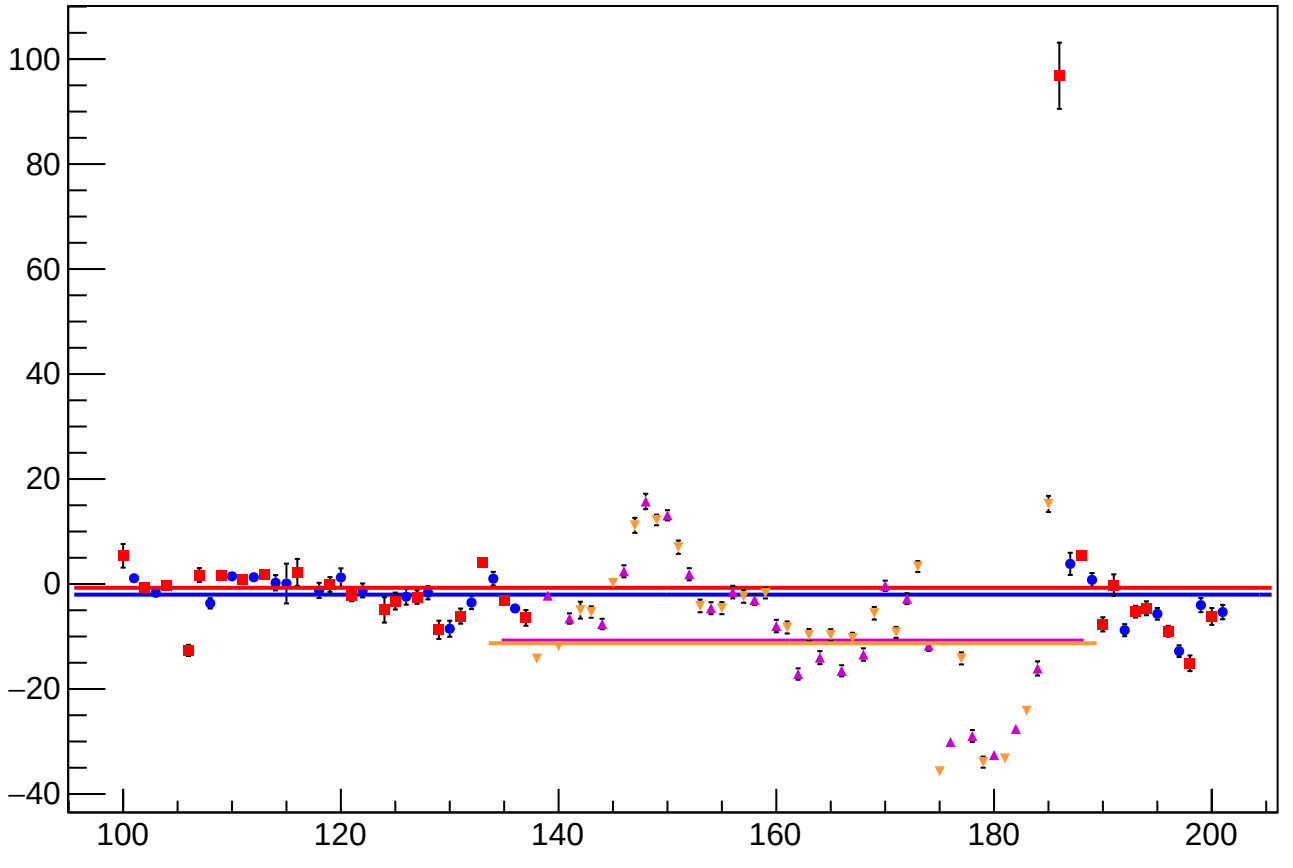
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.579+/-0.031 χ^2/NDF: 2917.9/50

In: -0.801+/-0.016 χ^2/NDF:4195.8/45

Out: -0.881+/-0.015 χ^2/NDF:3765.6/52

All: -0.842+/-0.011 χ^2/NDF: 7974.8/98



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: -0.719+/-0.194 χ^2/NDF: 845.0/27

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

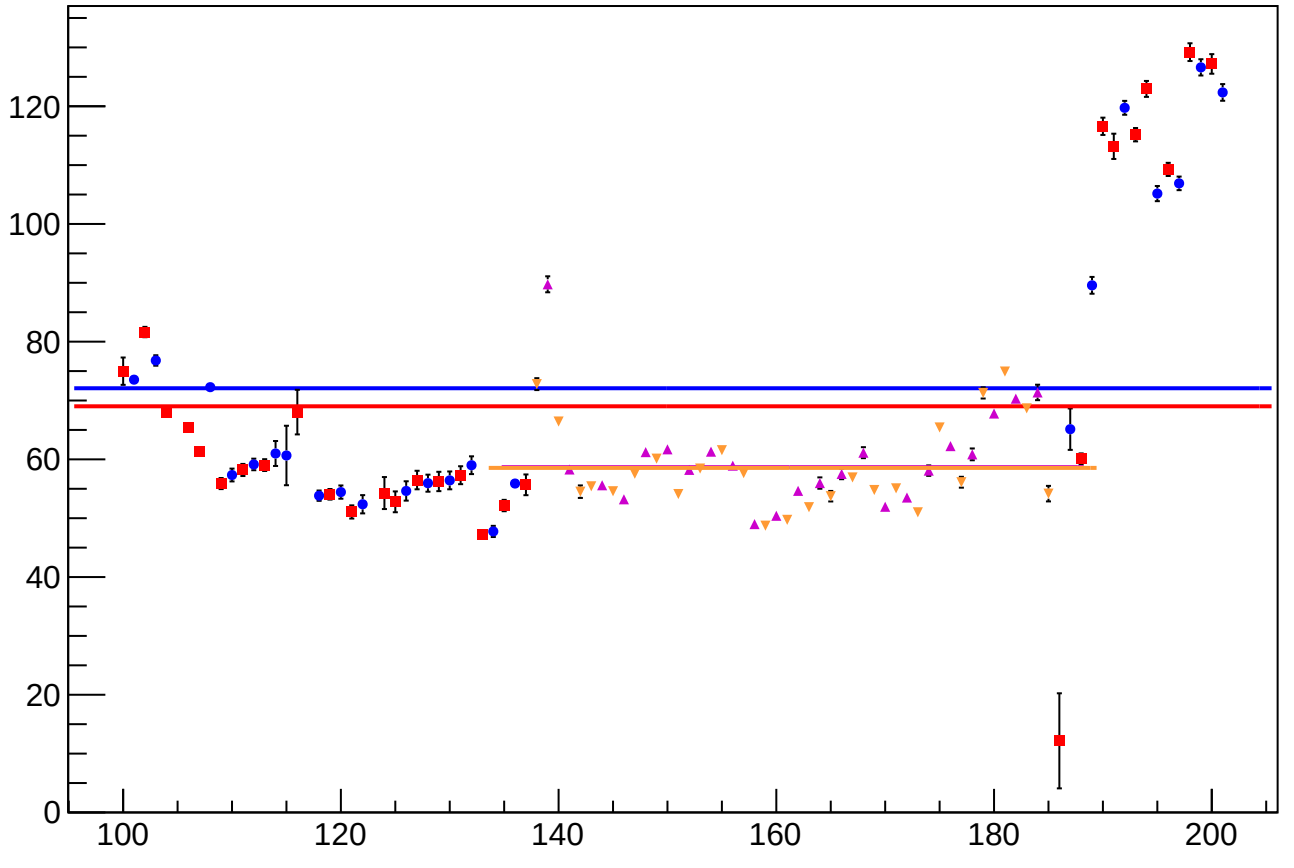
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.277+/-0.147 χ^2/NDF: 1142.7/50

In: -6.621+/-0.155 χ^2/NDF:4776.7/45

Out: -5.635+/-0.142 χ^2/NDF:6724.7/52

All: -6.086+/-0.105 χ^2/NDF: 11523.4/98



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: 69.016+/-0.215 χ^2/NDF: 11988.3/27

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

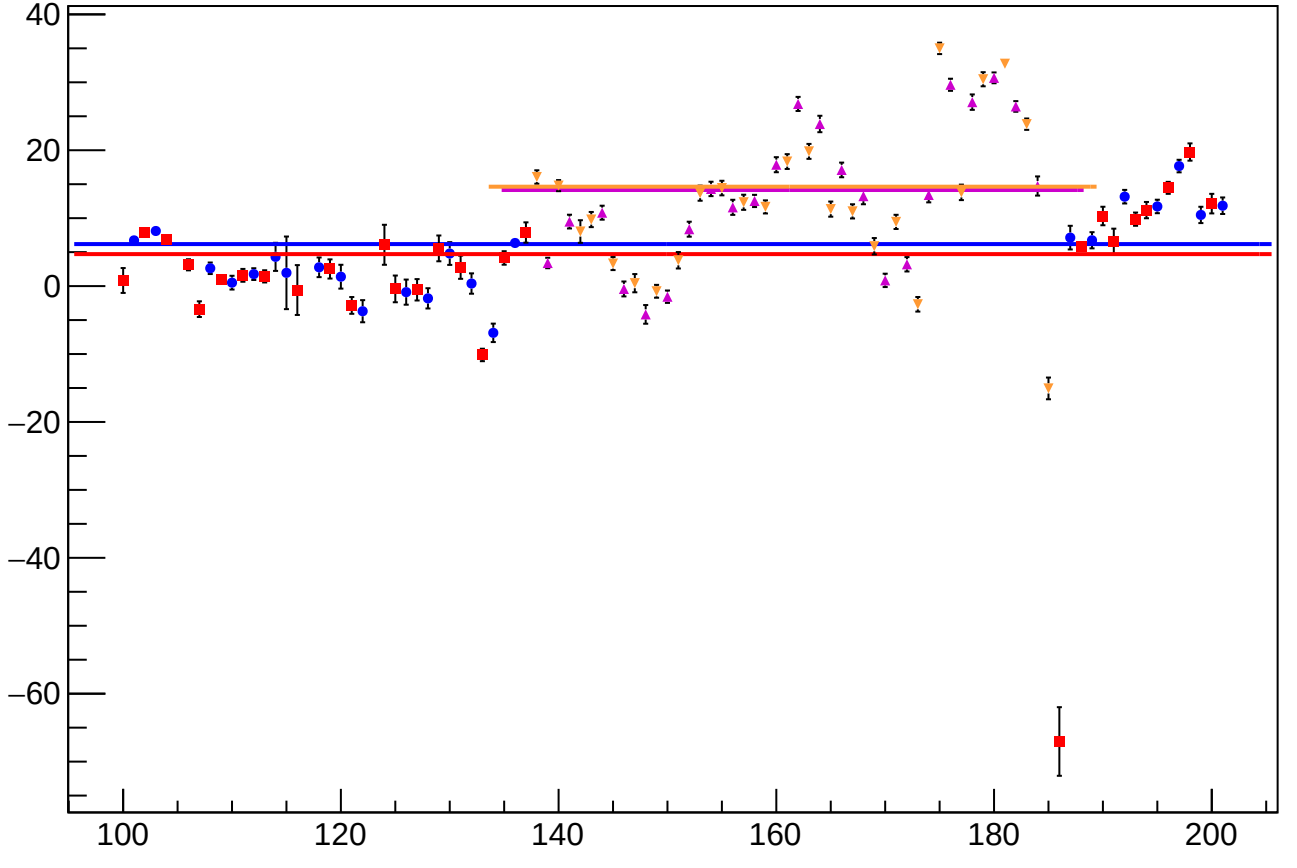
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 70.405+/-0.159 χ^2/NDF: 20966.2/50

In: 63.184+/-0.137 χ^2/NDF:12629.7/45

Out: 62.310+/-0.129 χ^2/NDF:15406.1/52

All: 62.721+/-0.094 χ^2/NDF: 28057.4/98



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: 4.709+/-0.198 χ^2/NDF: 1041.0/27

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

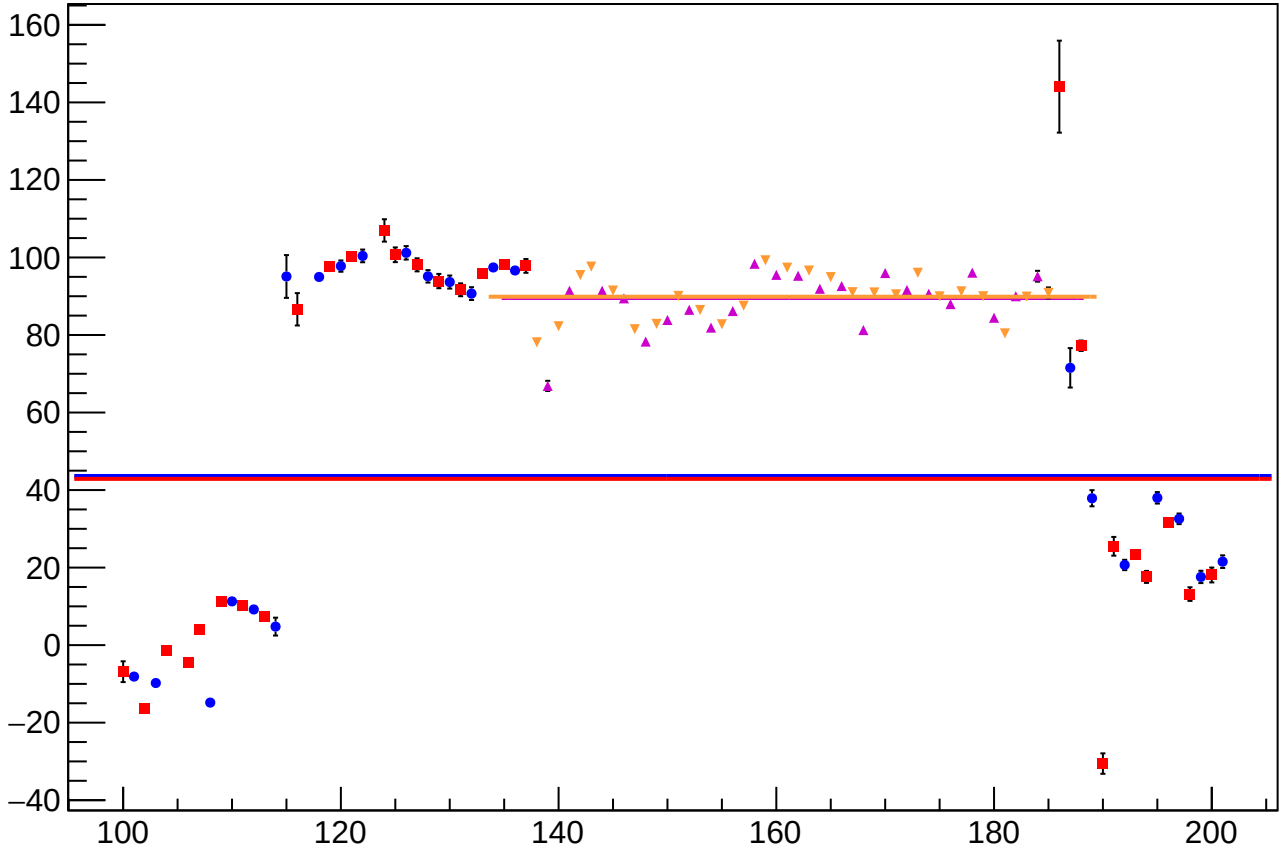
Right: 5.355+/-0.149 χ^2/NDF: 1621.5/50

In: 10.412+/-0.154 χ^2/NDF:3763.4/45

Out: 9.465+/-0.143 χ^2/NDF:5203.9/52

All: 9.904+/-0.105 χ^2/NDF: 8987.5/98

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: 42.886+/-0.254 χ^2/NDF: 31604.3/27

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

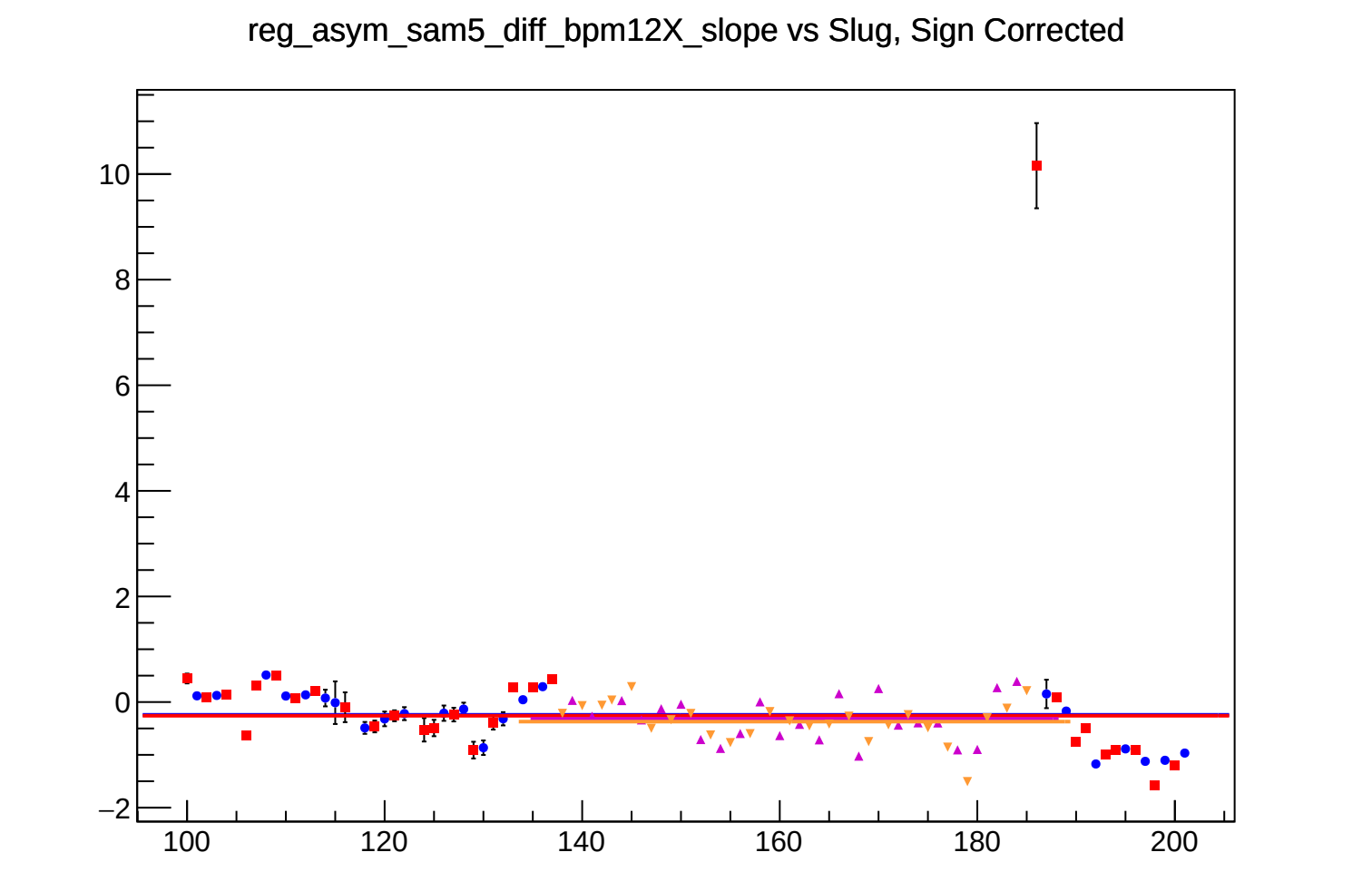
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.225+/-0.187 χ^2/NDF: 59514.3/50

In: 75.032+/-0.155 χ^2/NDF:47945.0/45

Out: 74.075+/-0.147 χ^2/NDF:55326.1/52

All: 74.529+/-0.107 χ^2/NDF: 103291.1/98



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: -0.259+/-0.011 χ^2/NDF: 3282.8/27

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

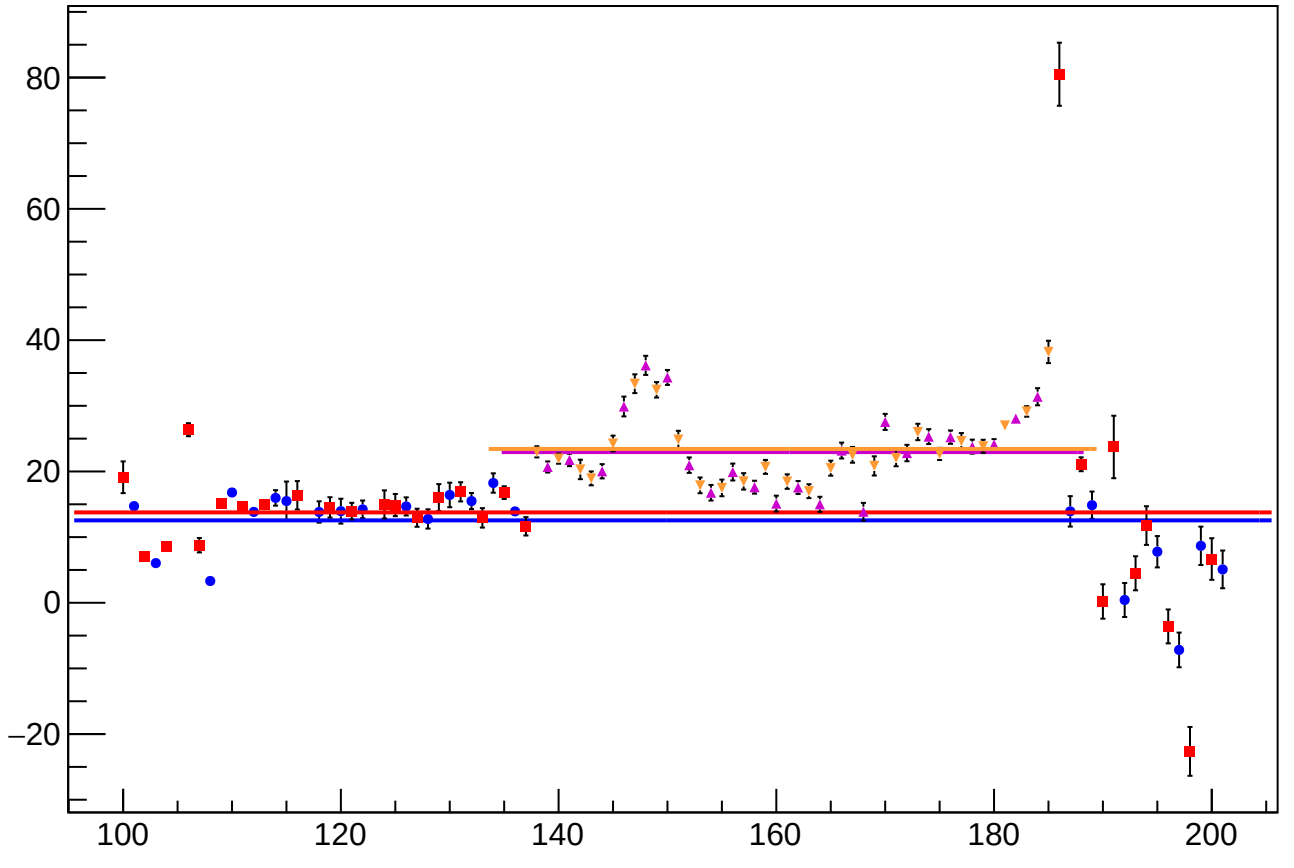
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.251+/-0.008 χ^2/NDF: 6137.0/50

In: -0.293+/-0.007 χ^2/NDF:5324.7/45

Out: -0.331+/-0.006 χ^2/NDF:5121.0/52

All: -0.313+/-0.005 χ^2/NDF: 10462.3/98



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: 13.764+/-0.197 χ^2/NDF: 835.1/27

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

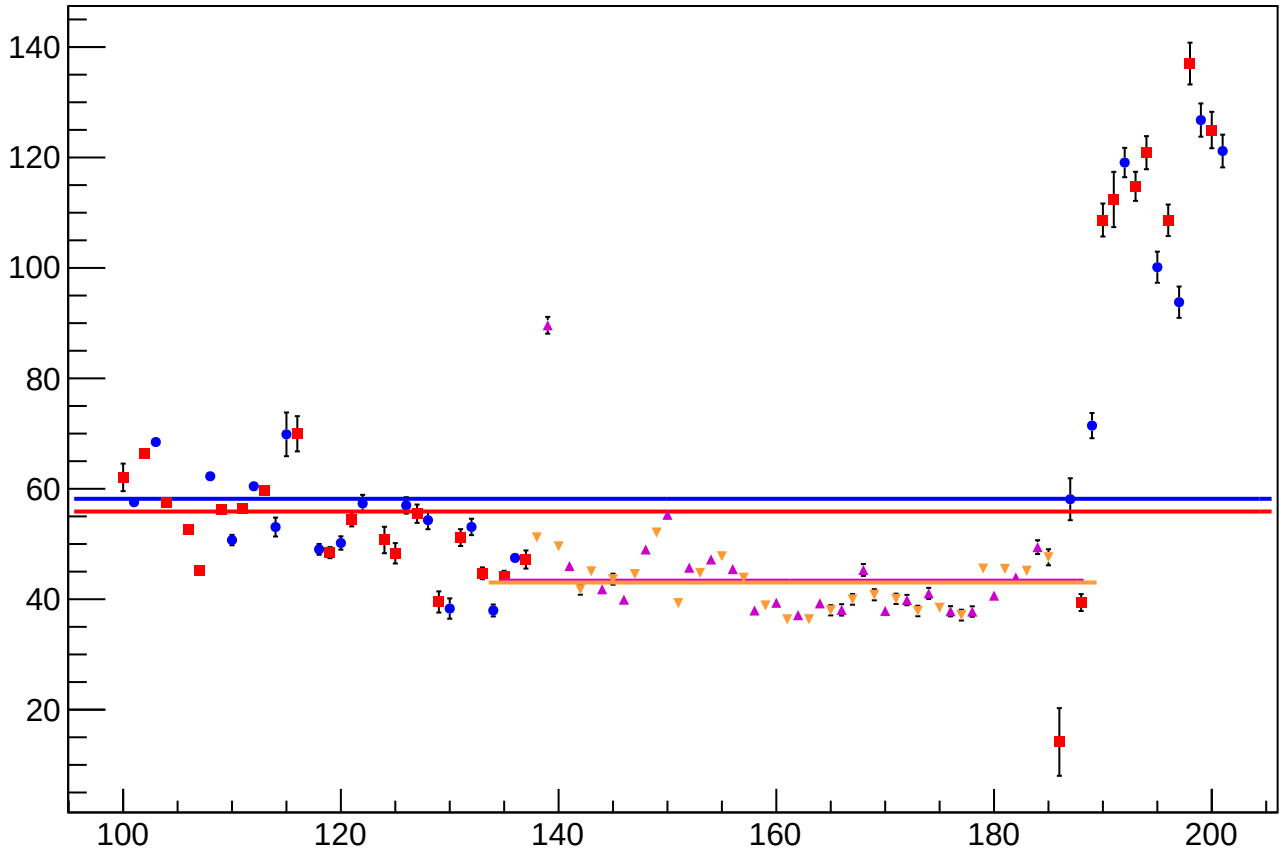
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.192+/-0.143 χ^2/NDF: 1334.5/50

In: 17.352+/-0.153 χ^2/NDF:2192.7/45

Out: 18.163+/-0.146 χ^2/NDF:2356.1/52

All: 17.778+/-0.106 χ^2/NDF: 4563.5/98



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: 55.884+/-0.218 χ^2/NDF: 3879.7/27

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

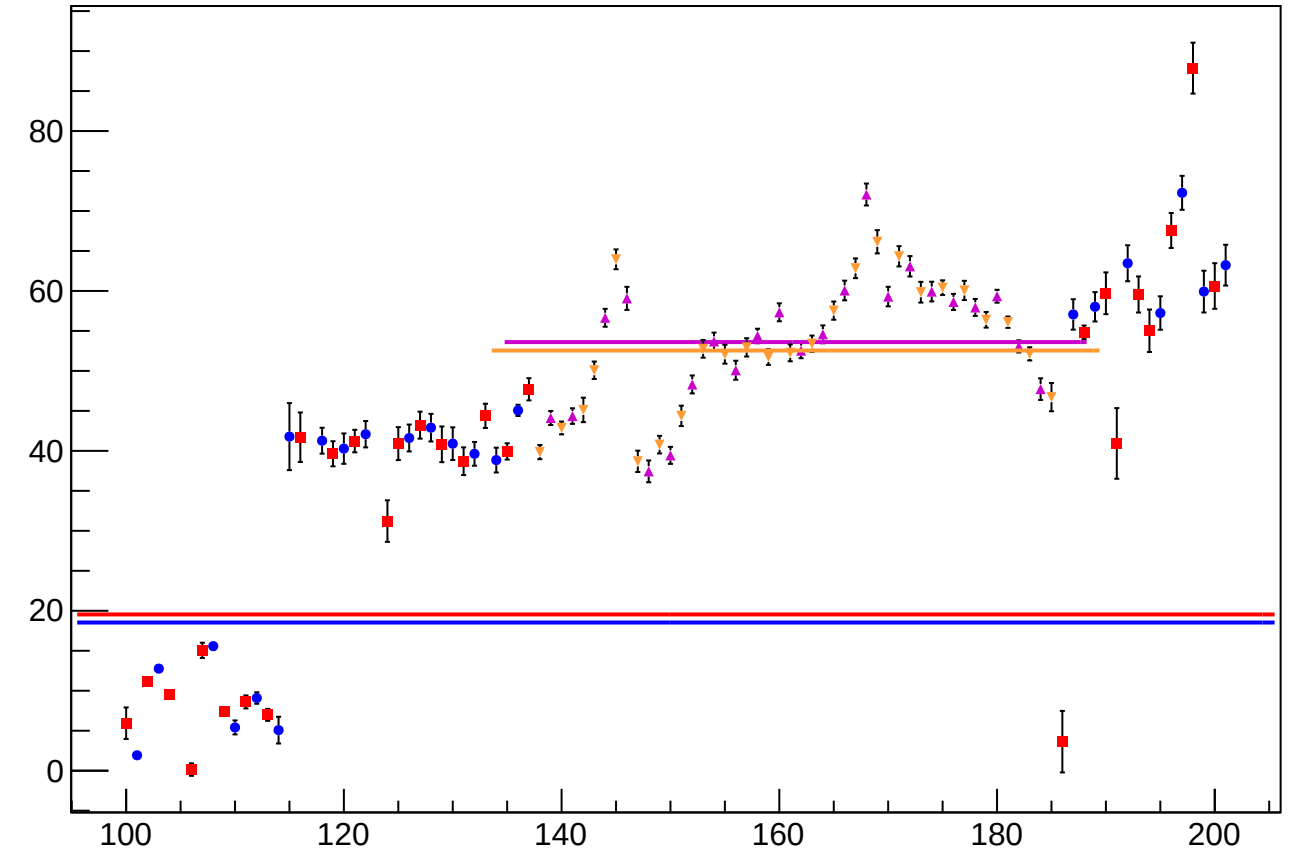
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 57.043+/-0.154 χ^2/NDF: 6993.0/50

In: 49.281+/-0.137 χ^2/NDF:7540.6/45

Out: 47.785+/-0.133 χ^2/NDF:6844.9/52

All: 48.508+/-0.095 χ^2/NDF: 14446.9/98



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: 19.542+/-0.207 χ^2/NDF: 7875.8/27

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

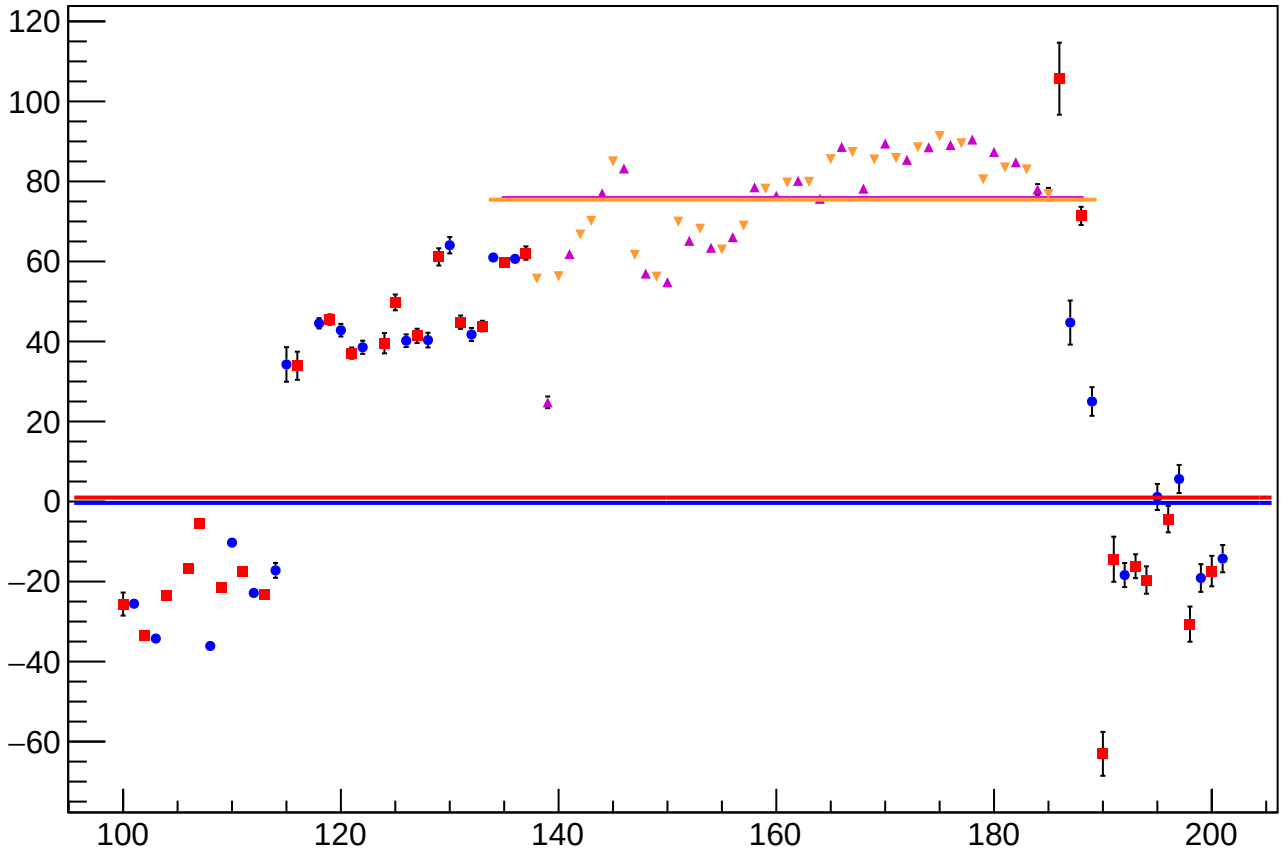
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 19.036+/-0.147 χ^2/NDF: 16068.3/50

In: 34.766+/-0.152 χ^2/NDF:22494.6/45

Out: 35.491+/-0.149 χ^2/NDF:21290.9/52

All: 35.135+/-0.106 χ^2/NDF: 43797.1/98



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: 0.996+/-0.258 χ^2/NDF: 17417.1/27

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

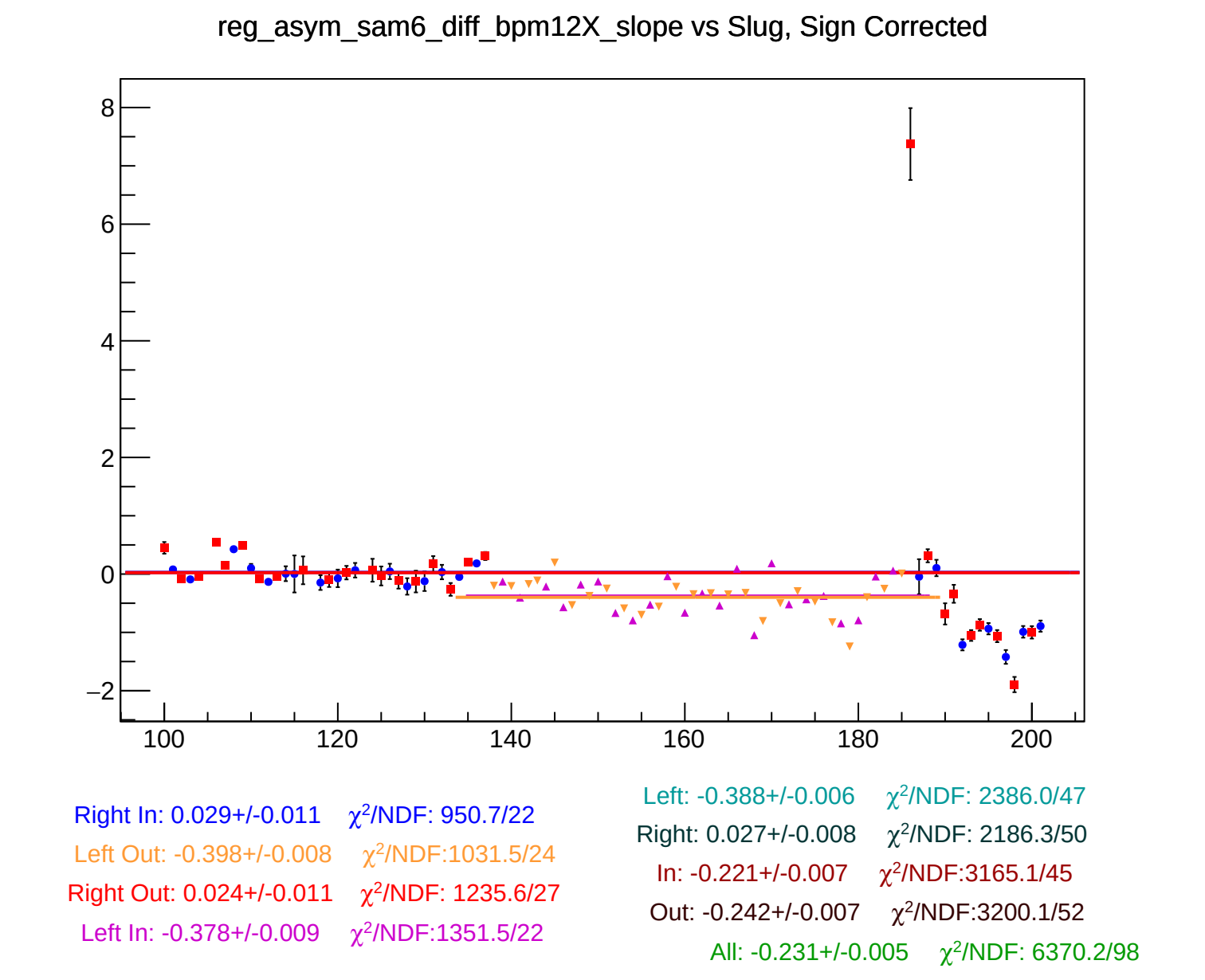
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.324+/-0.182 χ^2/NDF: 38663.8/50

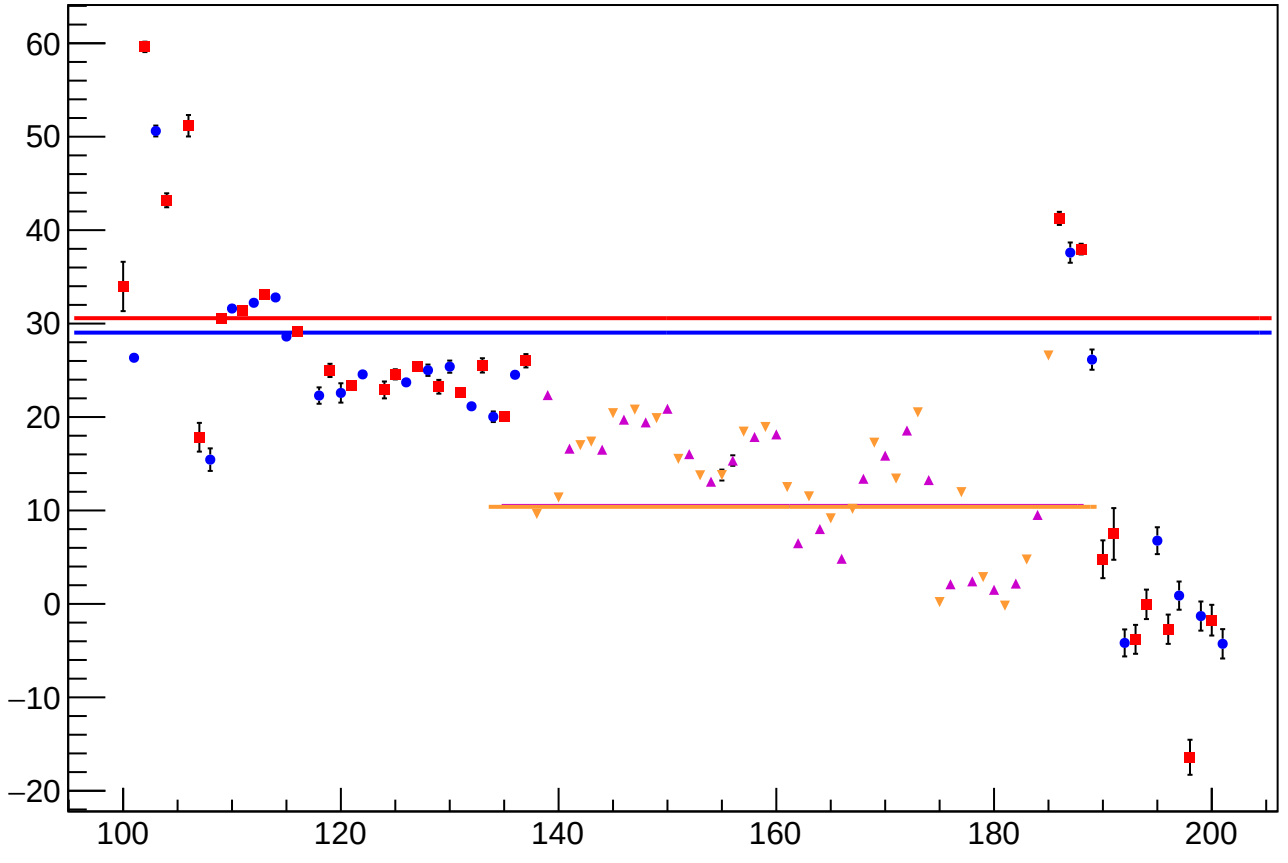
In: 47.529+/-0.156 χ^2/NDF:80938.5/45

Out: 49.511+/-0.152 χ^2/NDF:75325.3/52

All: 48.548+/-0.109 χ^2/NDF: 156346.3/98


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: 0.024+/-0.011 χ²/NDF: 1235.6/27
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.027+/-0.008 χ²/NDF: 2186.3/50
In: -0.221+/-0.007 χ²/NDF:3165.1/45
Out: -0.242+/-0.007 χ²/NDF:3200.1/52
All: -0.231+/-0.005 χ²/NDF: 6370.2/98

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: 30.578+/-0.078 χ^2/NDF: 8054.8/27

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

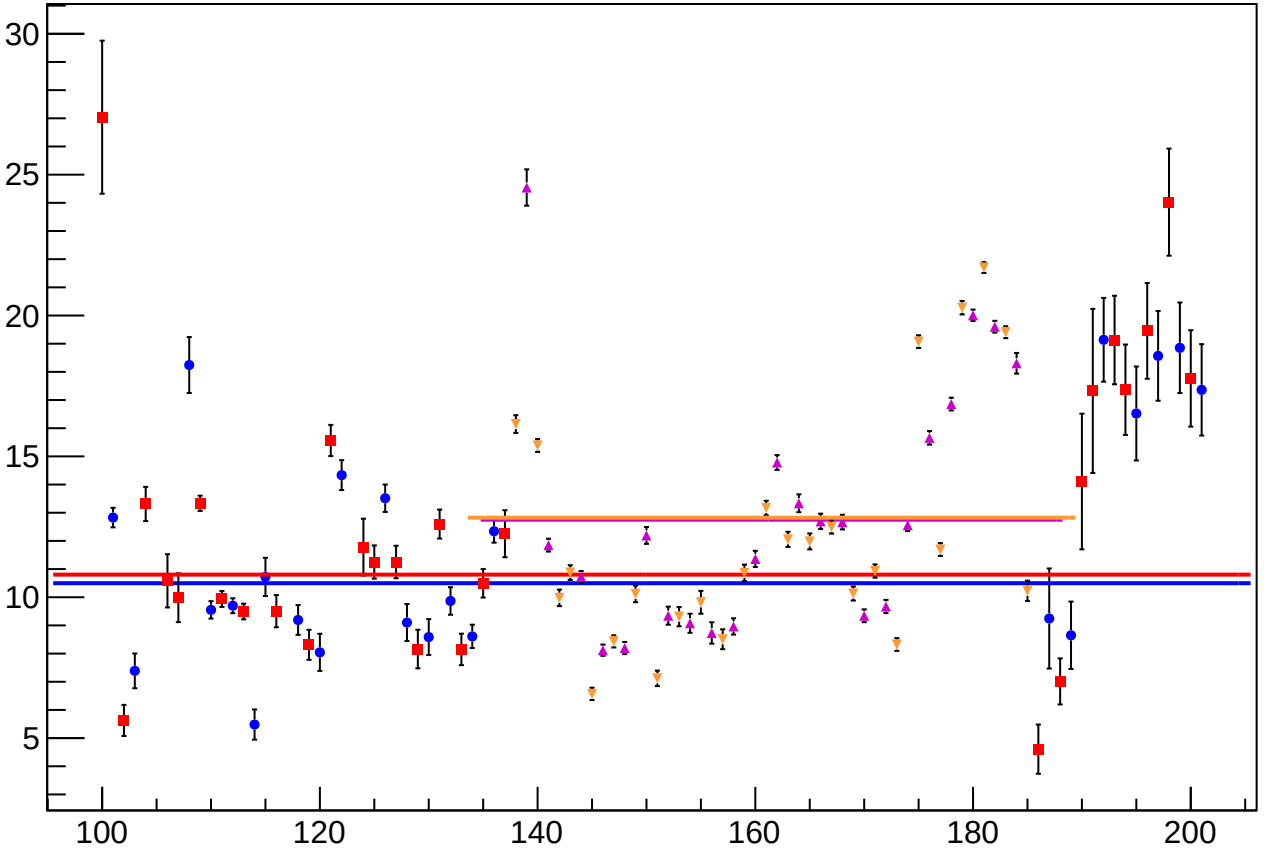
Right: 29.916+/-0.059 χ^2/NDF: 13637.8/50

In: 17.029+/-0.054 χ^2/NDF:44112.4/45

Out: 18.492+/-0.050 χ^2/NDF:61626.5/52

All: 17.819+/-0.036 χ^2/NDF: 106139.0/98

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: 10.803+/-0.110 χ^2/NDF: 630.2/27

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

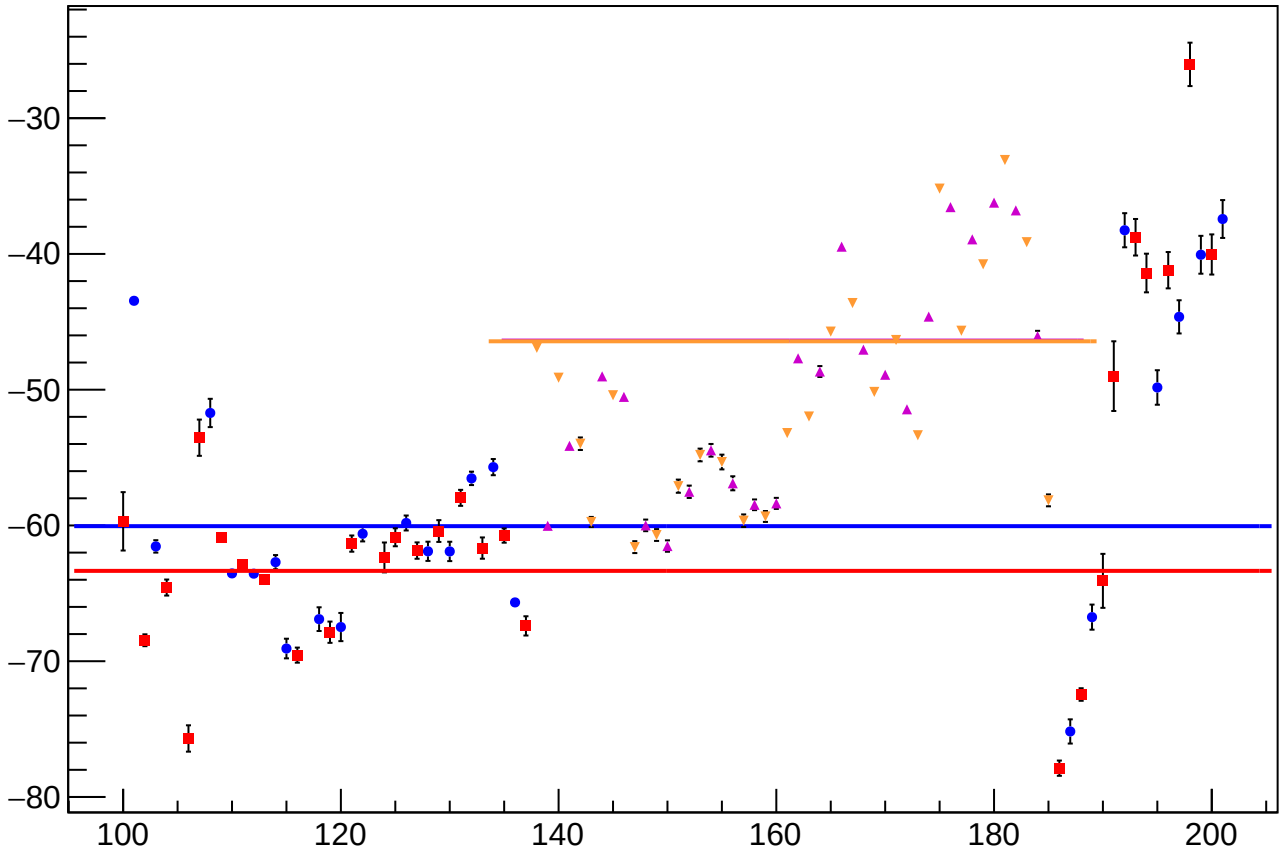
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.654+/-0.078 χ^2/NDF: 1159.4/50

In: 12.340+/-0.048 χ^2/NDF:6359.9/45

Out: 12.464+/-0.046 χ^2/NDF:8926.5/52

All: 12.404+/-0.033 χ^2/NDF: 15289.9/98



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: -63.346+/-0.101 χ^2/NDF: 3578.1/27

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

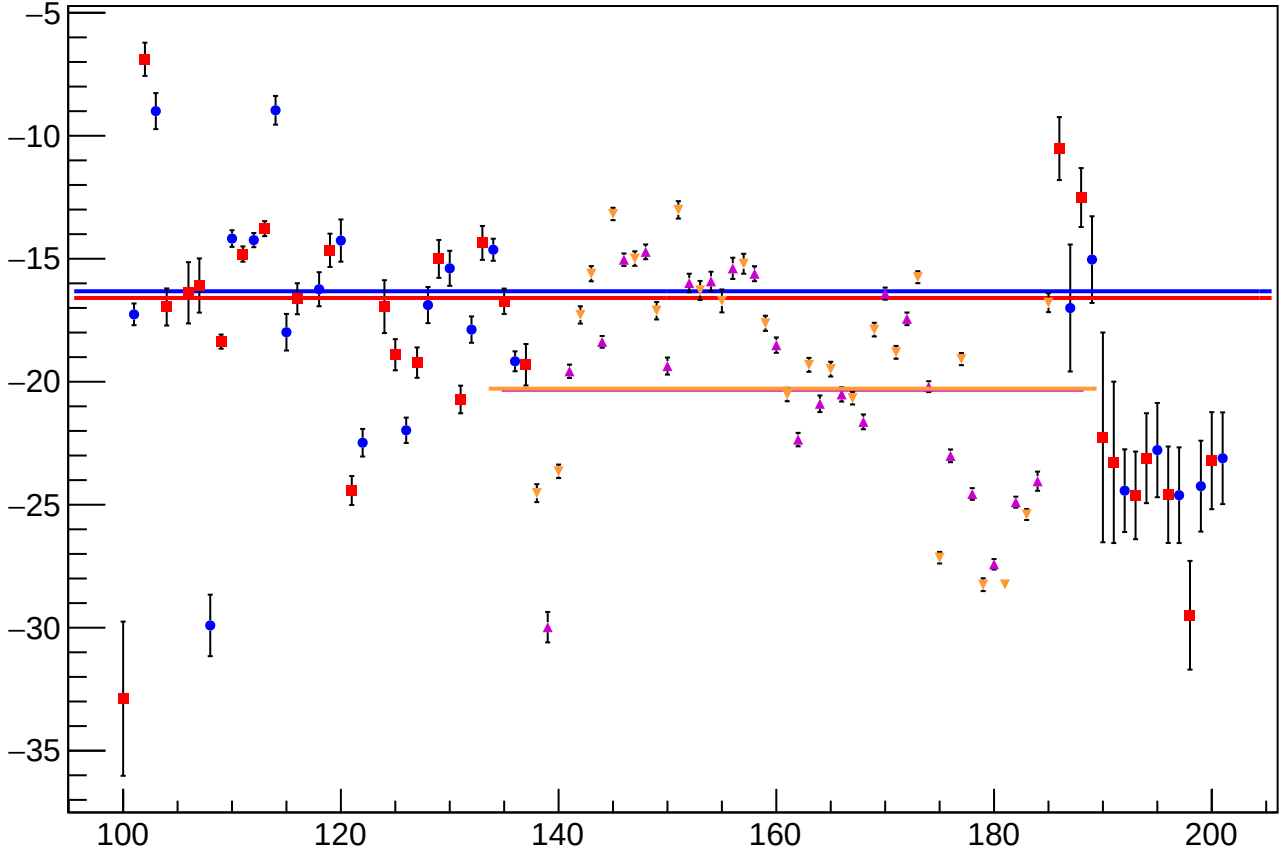
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

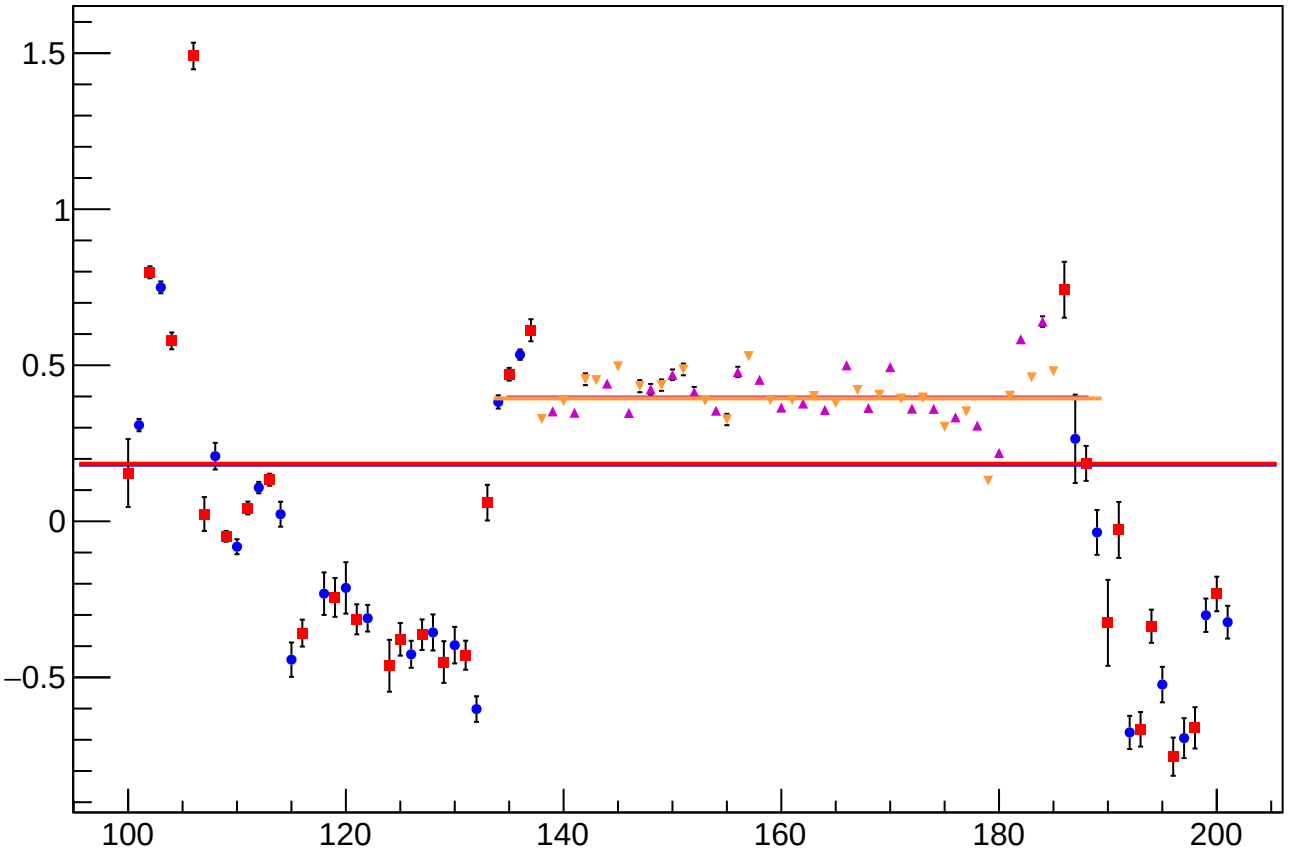
Right: -61.826+/-0.074 χ^2/NDF: 9006.2/50

In: -50.099+/-0.057 χ^2/NDF:31404.6/45

Out: -51.312+/-0.054 χ^2/NDF:41618.5/52

All: -50.734+/-0.039 χ^2/NDF: 73260.1/98


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
Right In: -16.321+/-0.125 χ²/NDF: 884.0/22
Left Out: -20.281+/-0.057 χ²/NDF:7019.5/24
Right Out: -16.594+/-0.122 χ²/NDF: 820.1/27
Left In: -20.324+/-0.059 χ²/NDF:4272.7/22
Left: -20.302+/-0.041 χ²/NDF: 11292.4/47
Right: -16.461+/-0.087 χ²/NDF: 1706.5/50
In: -19.595+/-0.053 χ²/NDF:5992.6/45
Out: -19.619+/-0.052 χ²/NDF:8588.8/52
All: -19.608+/-0.037 χ²/NDF: 14581.4/98



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: 0.185+/-0.007 χ^2/NDF: 4493.7/27

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

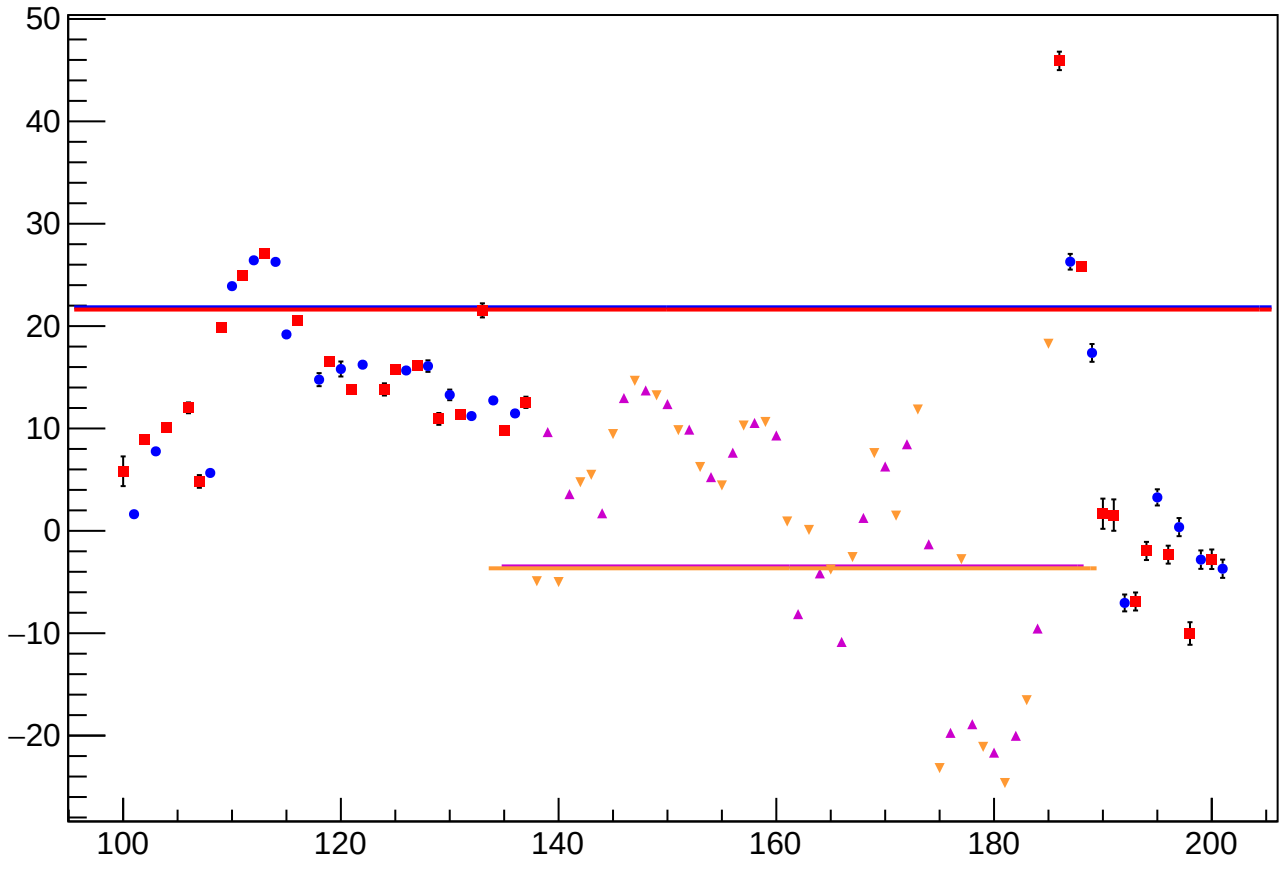
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.183+/-0.005 χ^2/NDF: 7974.4/50

In: 0.368+/-0.002 χ^2/NDF:5656.2/45

Out: 0.367+/-0.002 χ^2/NDF:6282.0/52

All: 0.368+/-0.002 χ^2/NDF: 11938.2/98



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: 21.616+/-0.046 χ^2/NDF: 15890.4/27

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

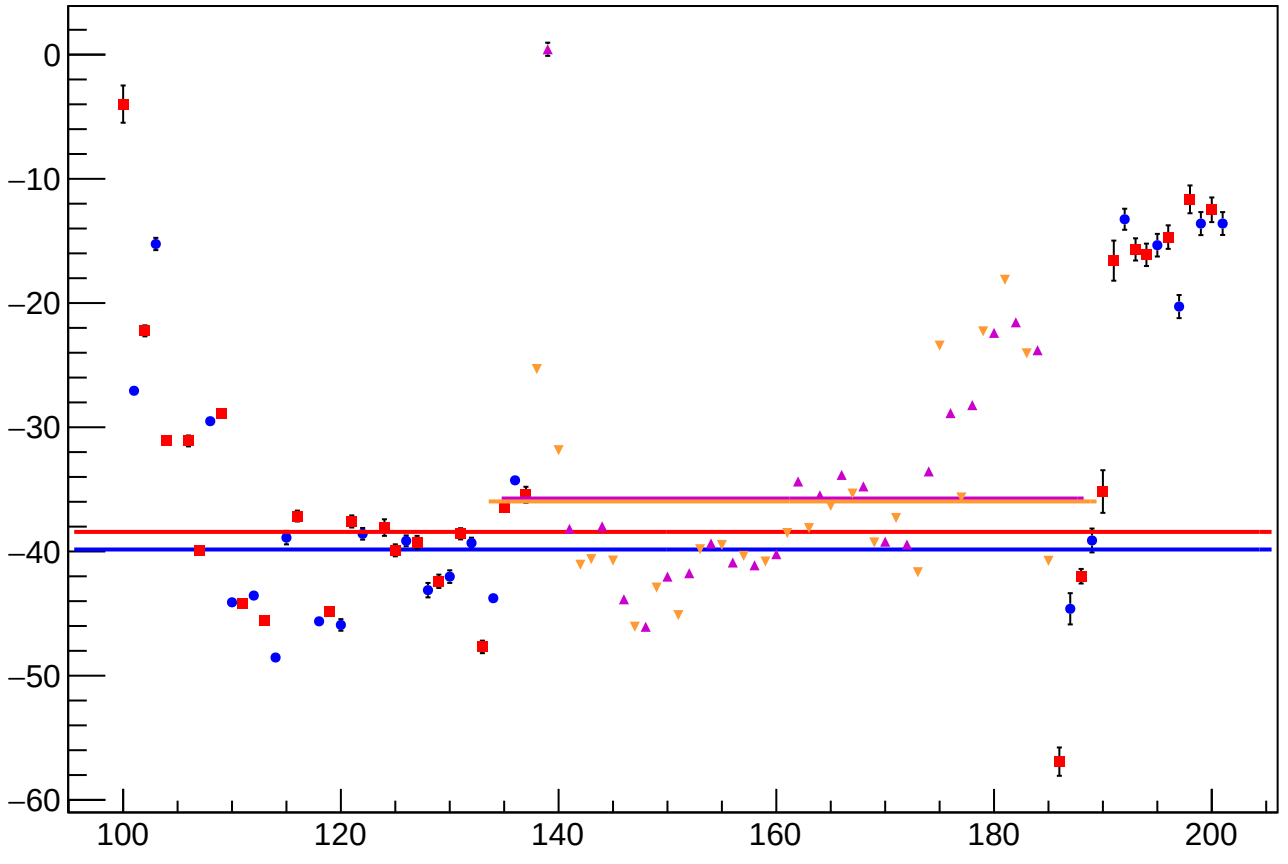
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.705+/-0.035 χ^2/NDF: 32318.5/50

In: 9.568+/-0.040 χ^2/NDF:161677.2/45

Out: 11.212+/-0.035 χ^2/NDF:199013.7/52

All: 10.499+/-0.026 χ^2/NDF: 361648.1/98



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: -38.425+/-0.069 χ^2/NDF: 13797.2/27

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

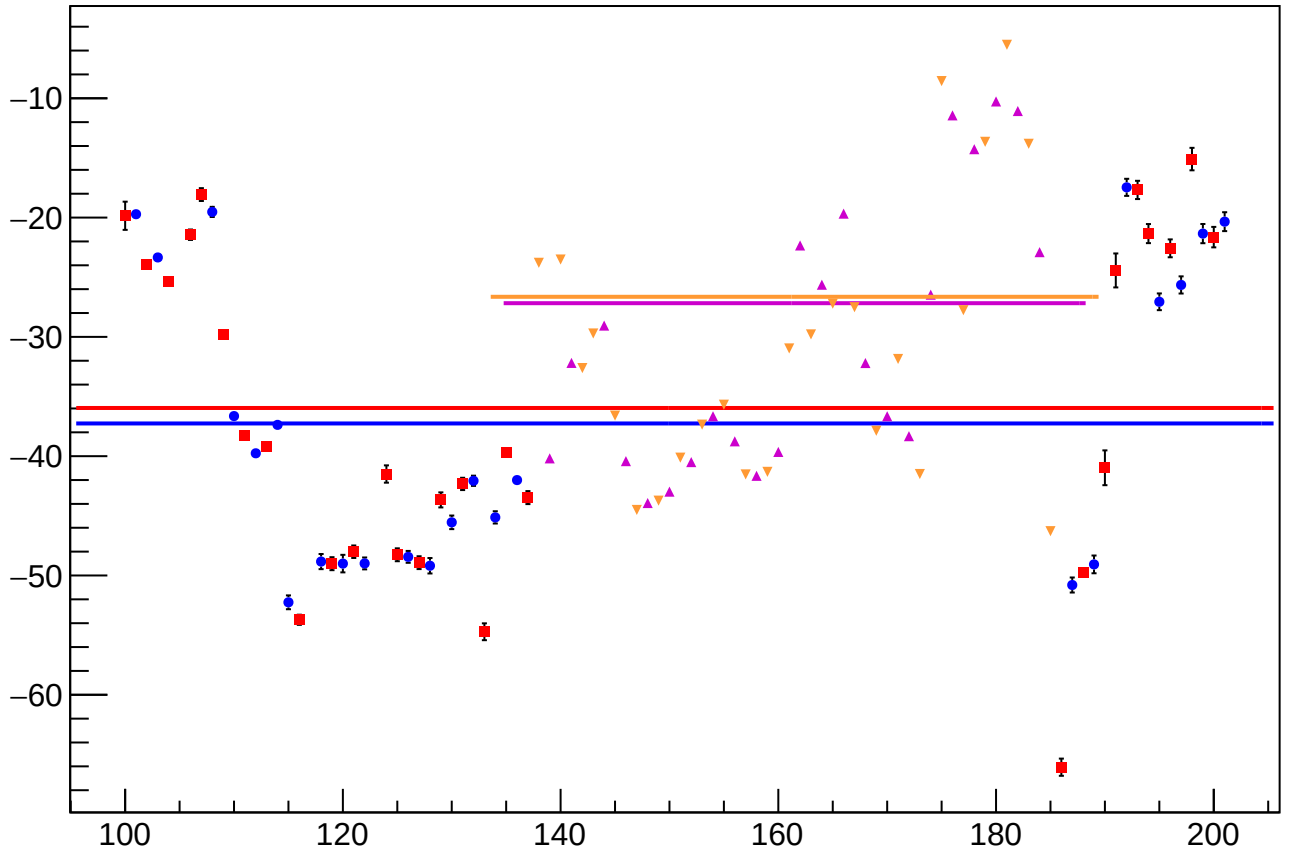
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.079+/-0.051 χ^2/NDF: 25675.3/50

In: -36.825+/-0.039 χ^2/NDF:41052.0/45

Out: -36.641+/-0.036 χ^2/NDF:48316.3/52

All: -36.727+/-0.026 χ^2/NDF: 89380.6/98



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: -35.959+/-0.062 χ^2/NDF: 18841.2/27

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

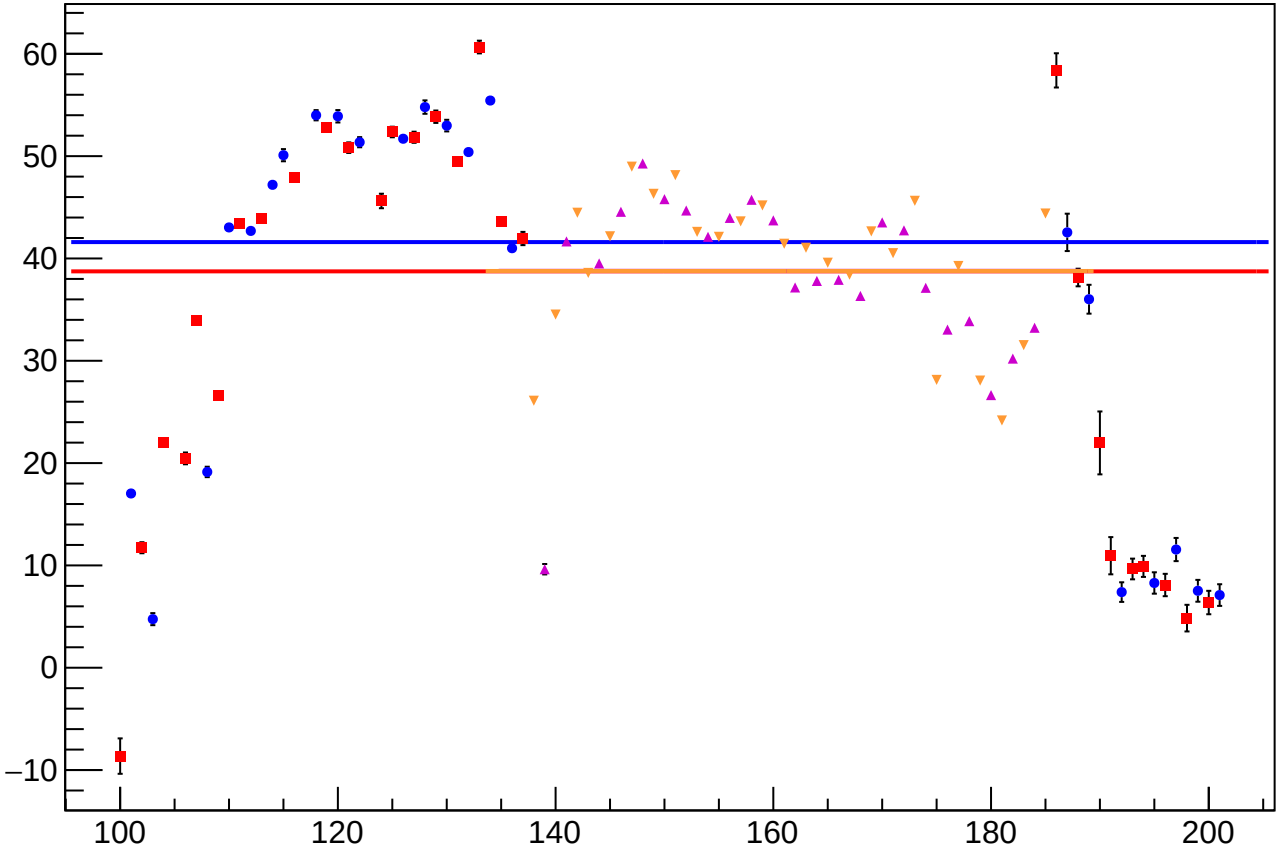
Right: -36.518+/-0.047 χ^2/NDF: 32714.1/50

In: -31.132+/-0.045 χ^2/NDF:66853.3/45

Out: -30.718+/-0.041 χ^2/NDF:81653.7/52

All: -30.908+/-0.030 χ^2/NDF: 148553.8/98

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 38.739+/-0.077 χ^2/NDF: 22359.1/27

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

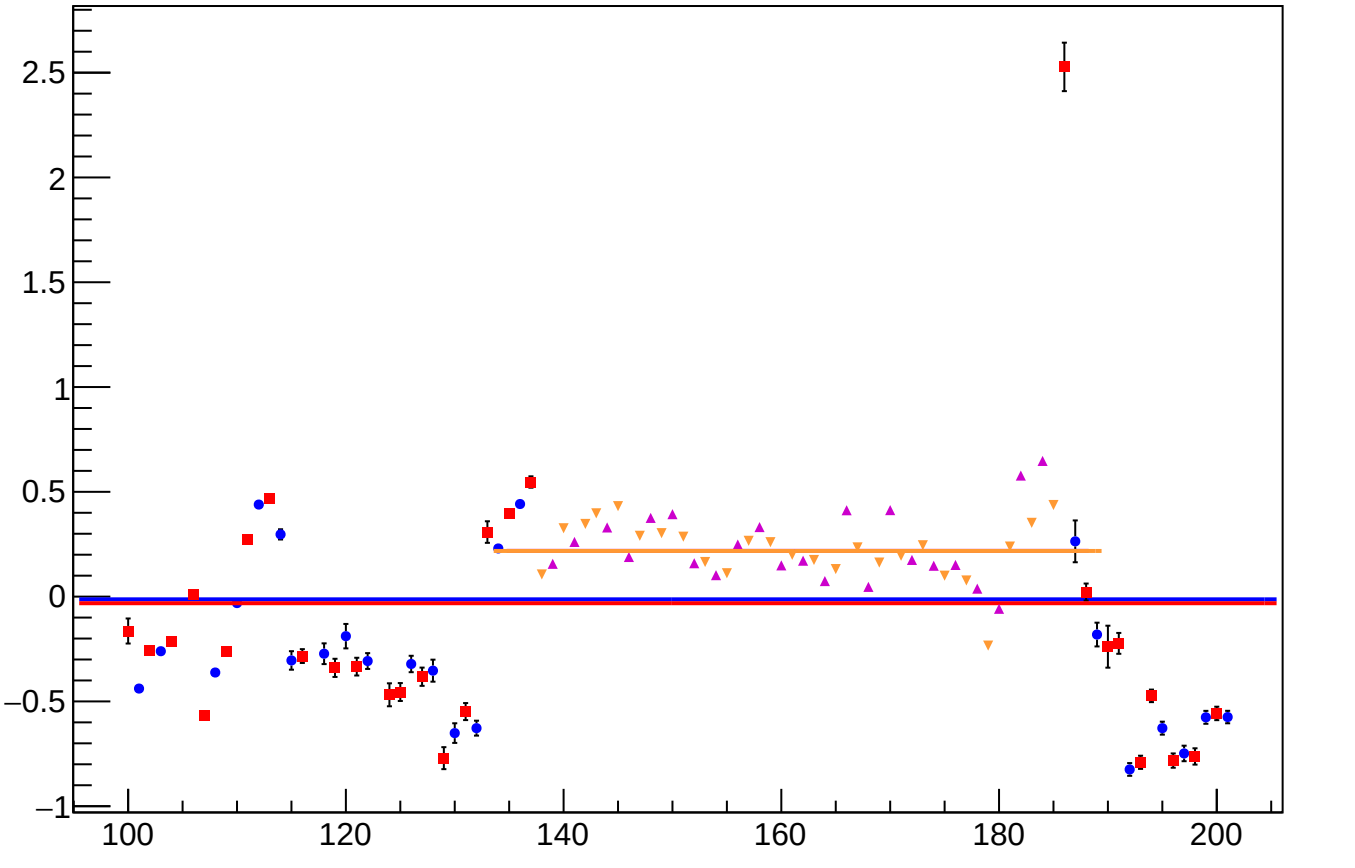
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

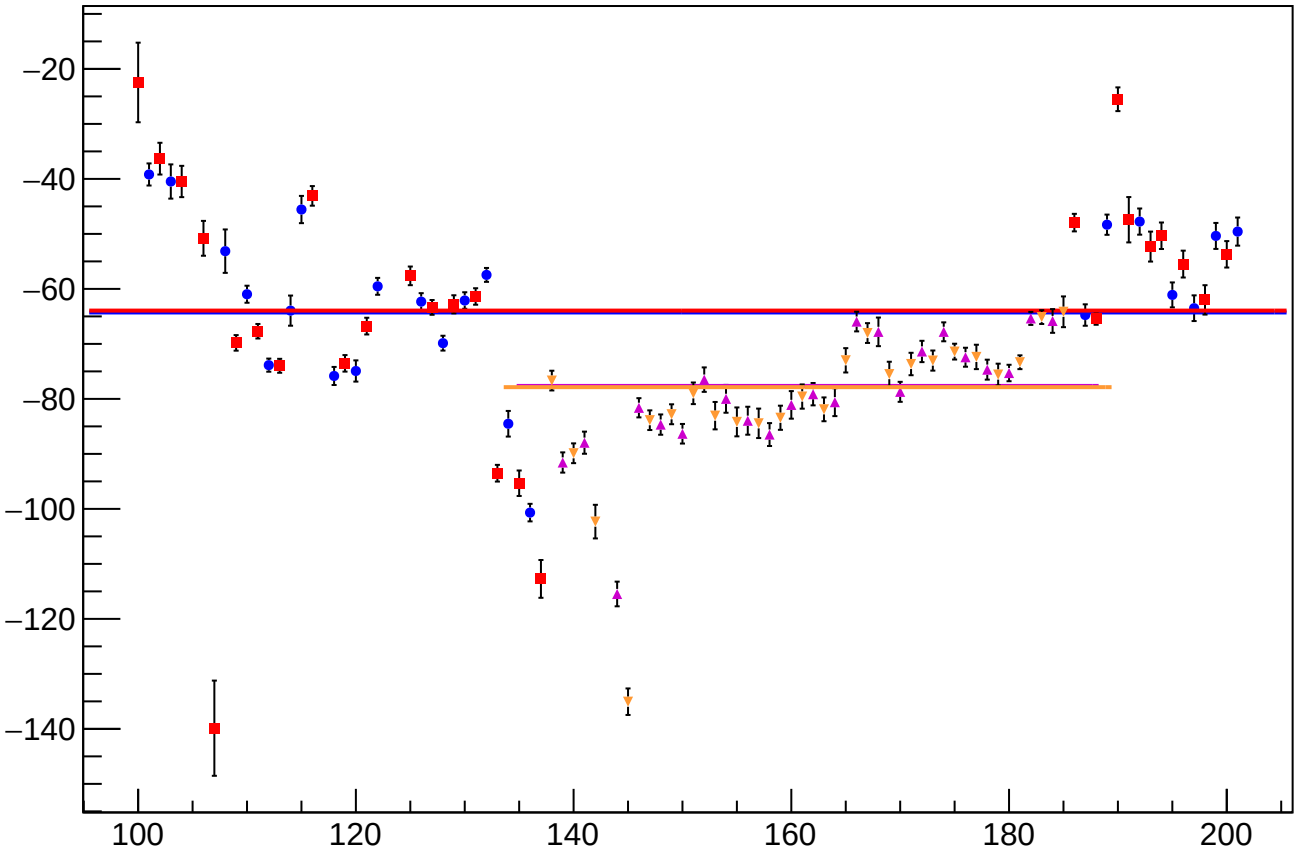
Right: 40.050+/-0.056 χ^2/NDF: 43027.6/50

In: 39.537+/-0.043 χ^2/NDF:37104.2/45

Out: 38.767+/-0.041 χ^2/NDF:43429.8/52

All: 39.129+/-0.029 χ^2/NDF: 80704.2/98


reg_asym_sam8_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: -0.013+/-0.005 χ²/NDF: 7963.5/22
Left Out: 0.218+/-0.002 χ²/NDF:4075.0/24
Right Out: -0.031+/-0.004 χ²/NDF: 8969.6/27
Left In: 0.218+/-0.002 χ²/NDF:5312.2/22
Left: 0.218+/-0.002 χ²/NDF: 9387.2/47
Right: -0.023+/-0.003 χ²/NDF: 16942.2/50
In: 0.174+/-0.002 χ²/NDF:15351.6/45
Out: 0.165+/-0.002 χ²/NDF:15881.5/52
All: 0.169+/-0.001 χ²/NDF: 31242.1/98



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: -63.945+/-0.354 χ^2/NDF: 1854.6/26

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

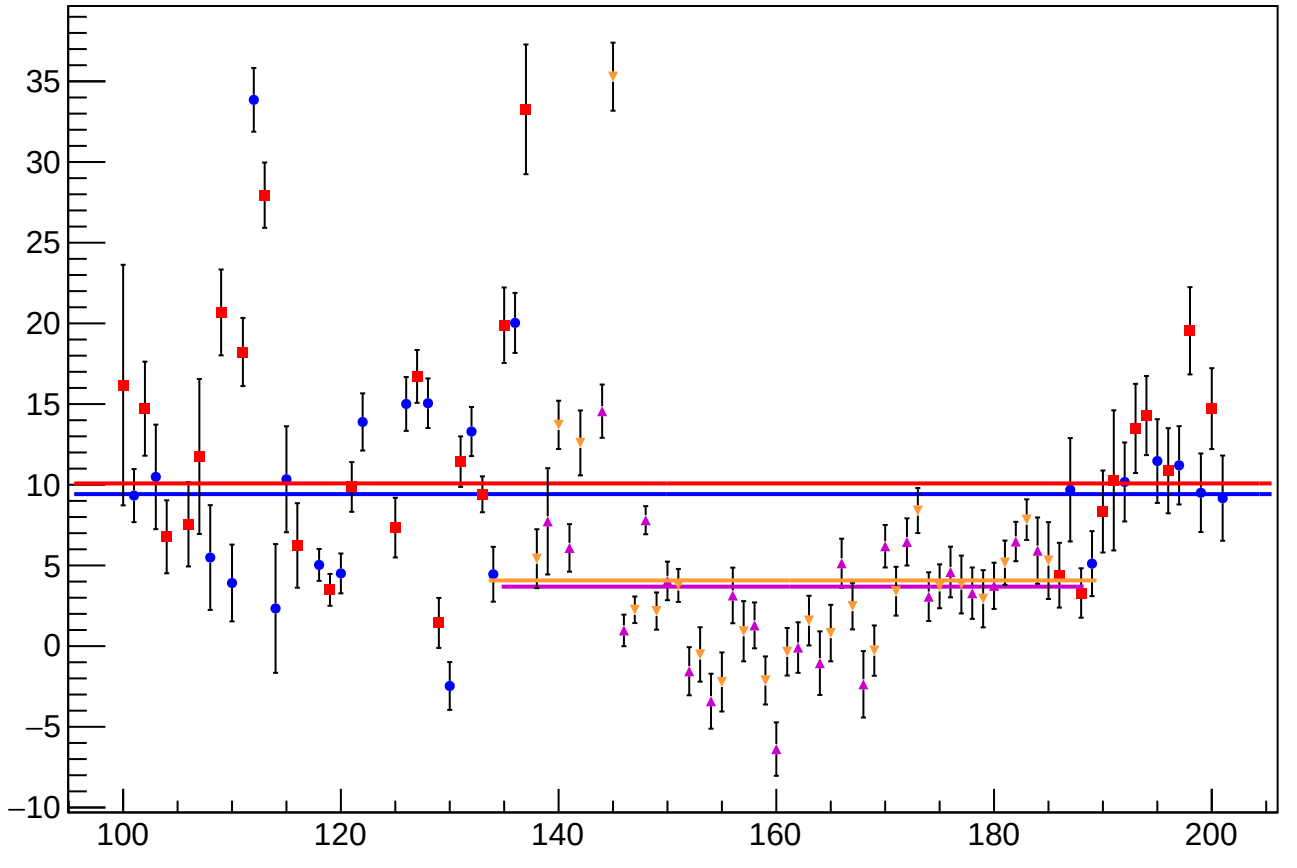
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

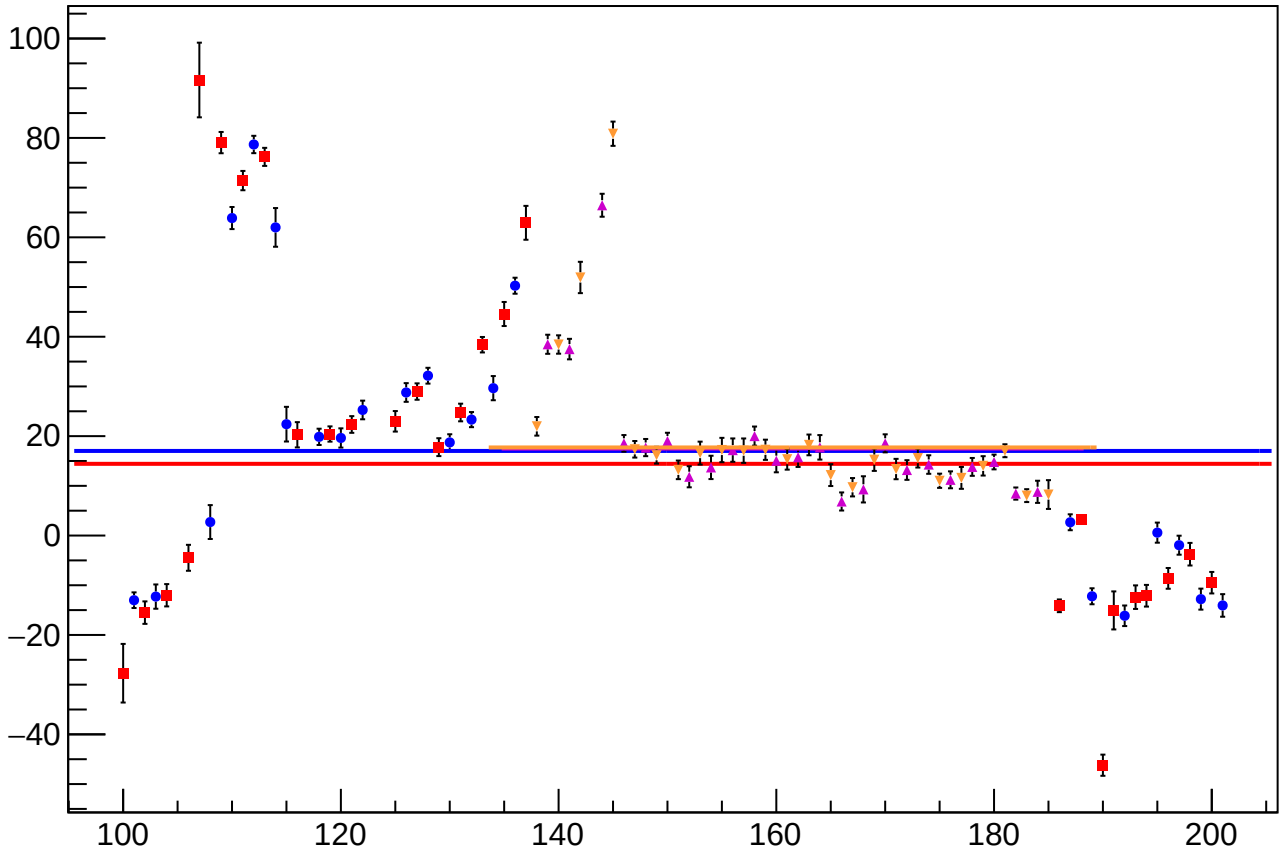
Right: -64.103+/-0.259 χ^2/NDF: 3131.6/49

In: -70.668+/-0.274 χ^2/NDF:2562.8/45

Out: -70.163+/-0.263 χ^2/NDF:3477.5/50

All: -70.405+/-0.190 χ^2/NDF: 6042.0/96


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 9.420+/-0.389 χ²/NDF: 347.8/22
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 10.082+/-0.381 χ²/NDF: 312.1/26
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.758+/-0.272 χ²/NDF: 661.4/49
In: 5.837+/-0.238 χ²/NDF:666.0/45
Out: 6.342+/-0.234 χ²/NDF:837.5/50
All: 6.094+/-0.167 χ²/NDF: 1505.8/96



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: 14.429+/-0.367 χ^2/NDF: 6334.1/26

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

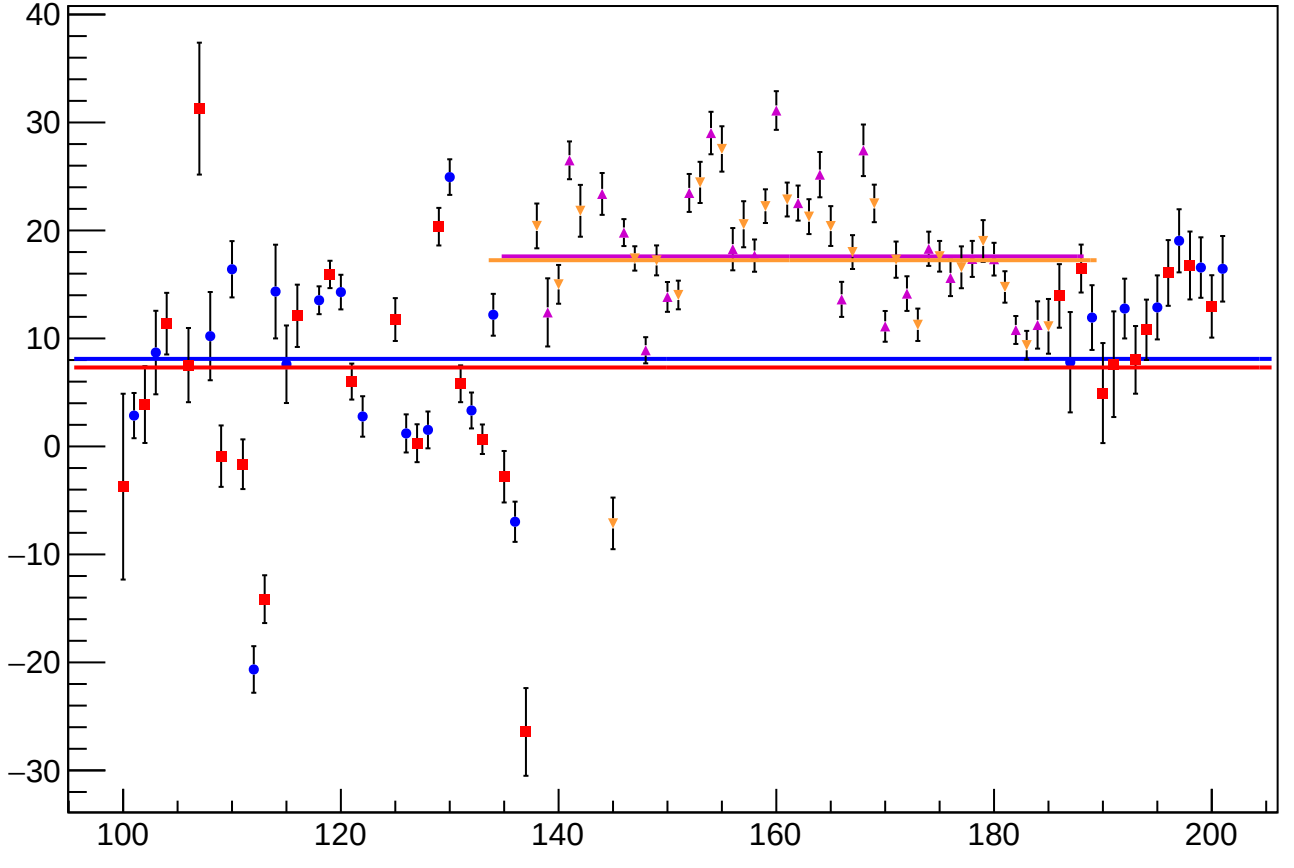
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 15.615+/-0.271 χ^2/NDF: 10554.1/49

In: 17.261+/-0.280 χ^2/NDF:5018.7/45

Out: 15.973+/-0.268 χ^2/NDF:7430.1/50

All: 16.588+/-0.194 χ^2/NDF: 12459.8/96



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: 7.312+/-0.450 χ^2/NDF: 420.7/26

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

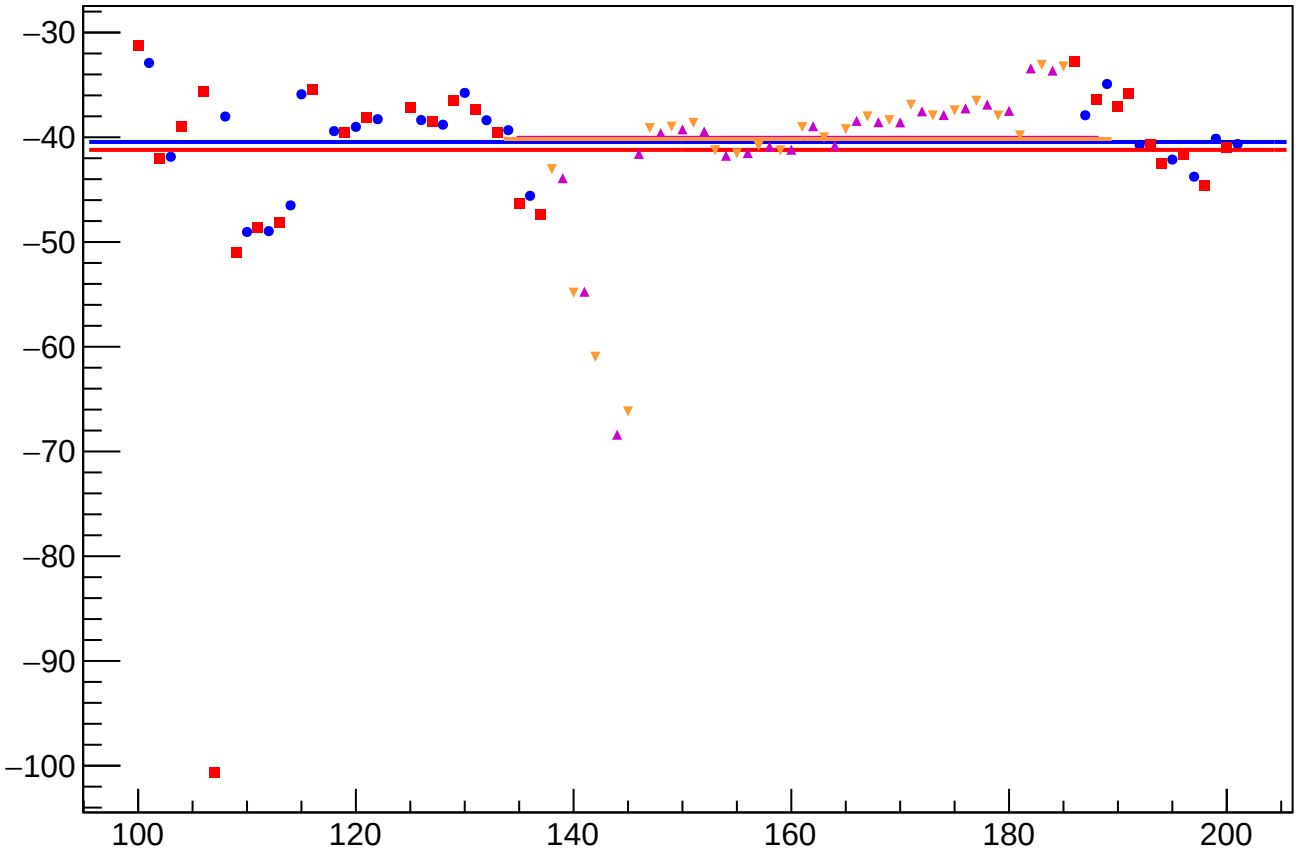
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.705+/-0.320 χ^2/NDF: 910.0/49

In: 14.170+/-0.274 χ^2/NDF:1075.1/45

Out: 13.661+/-0.270 χ^2/NDF:993.0/50

All: 13.912+/-0.192 χ^2/NDF: 2069.9/96



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: -41.204+/-0.023 χ^2/NDF: 67306.4/26

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

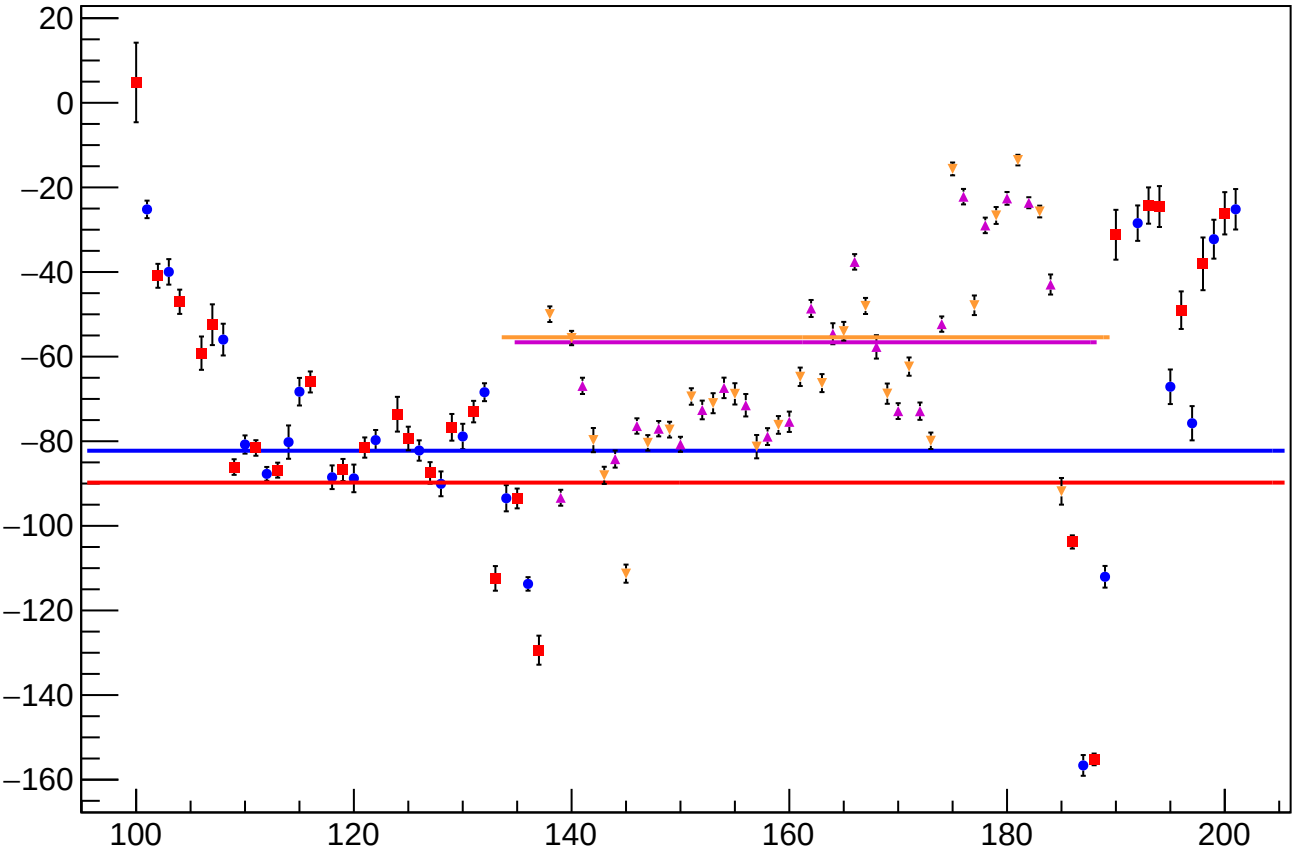
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.832+/-0.017 χ^2/NDF: 92530.6/49

In: -40.167+/-0.013 χ^2/NDF:161345.1/45

Out: -40.480+/-0.013 χ^2/NDF:232019.4/50

All: -40.324+/-0.009 χ^2/NDF: 393659.2/96



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: -89.779+/-0.505 χ^2/NDF: 4310.9/26

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

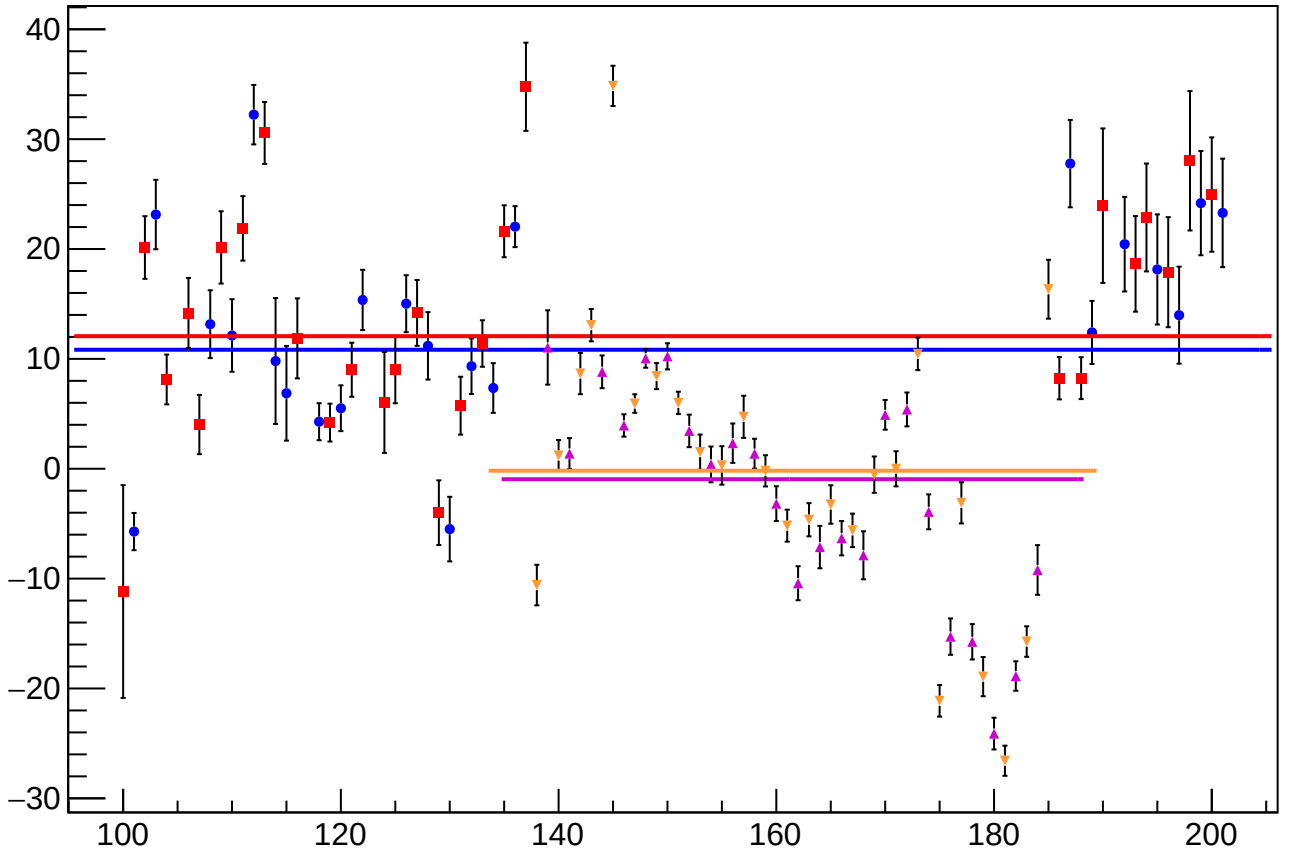
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -86.353+/-0.373 χ^2/NDF: 7406.6/49

In: -65.514+/-0.326 χ^2/NDF:7745.3/45

Out: -68.385+/-0.310 χ^2/NDF:11714.9/51

All: -67.021+/-0.225 χ^2/NDF: 19500.8/97



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: 12.066+/-0.557 χ^2/NDF: 227.6/26

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

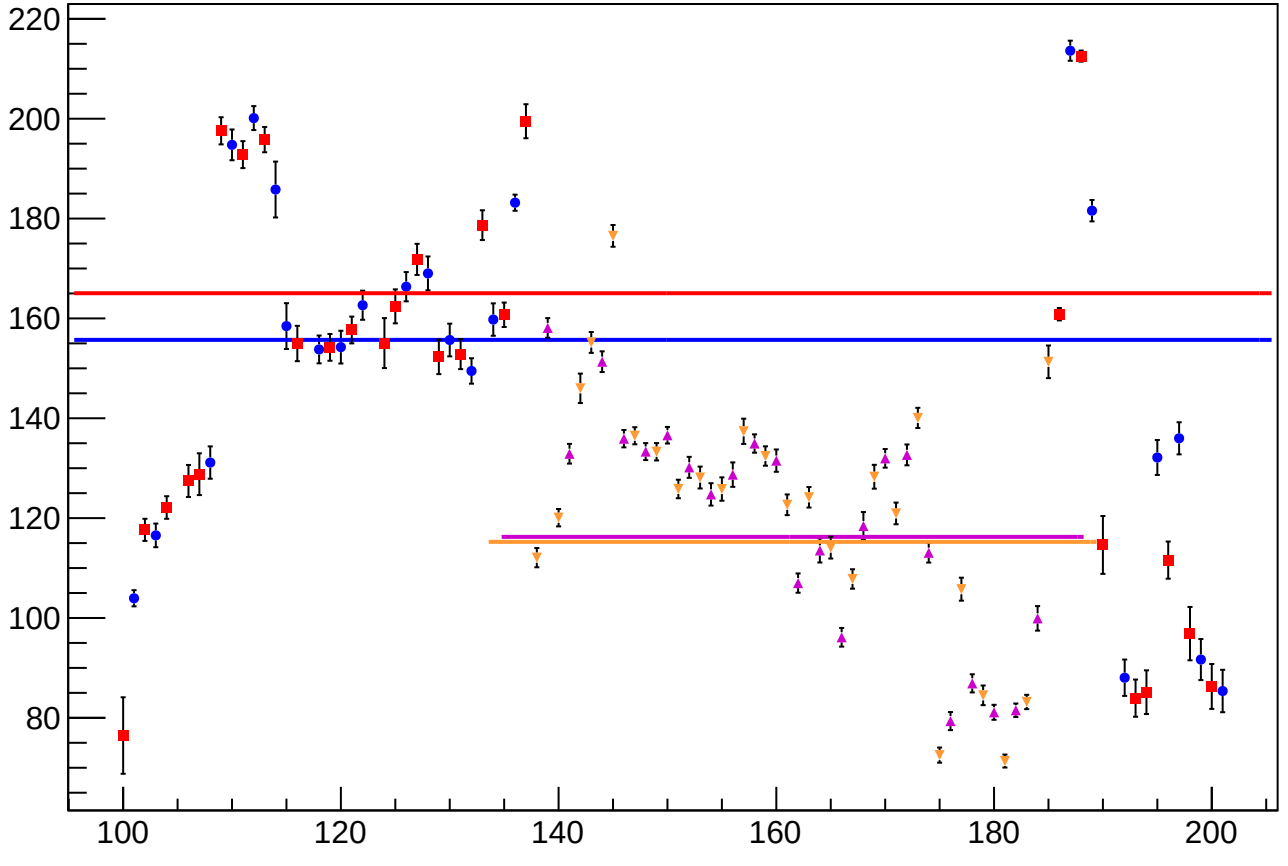
Right: 11.470+/-0.401 χ^2/NDF: 541.7/49

In: 1.611+/-0.269 χ^2/NDF:1707.9/45

Out: 2.494+/-0.260 χ^2/NDF:2204.5/51

All: 2.067+/-0.187 χ^2/NDF: 3918.0/97

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 165.047+/-0.506 χ^2/NDF: 5158.2/26

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

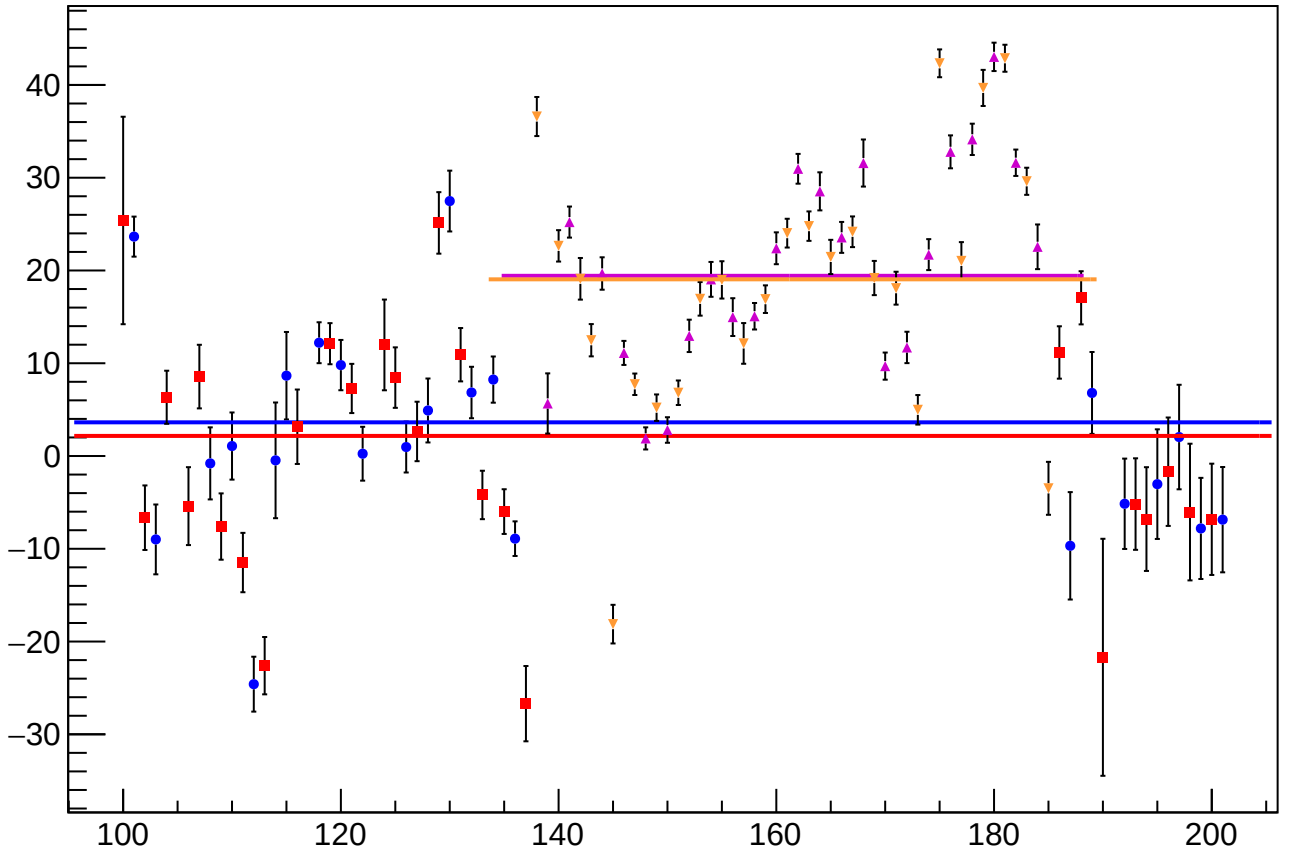
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 160.903+/-0.377 χ^2/NDF: 9446.0/49

In: 129.339+/-0.326 χ^2/NDF:11016.0/45

Out: 133.840+/-0.309 χ^2/NDF:16073.3/51

All: 131.712+/-0.224 χ^2/NDF: 27189.6/97



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: 2.166+/-0.664 χ^2/NDF: 315.8/26

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

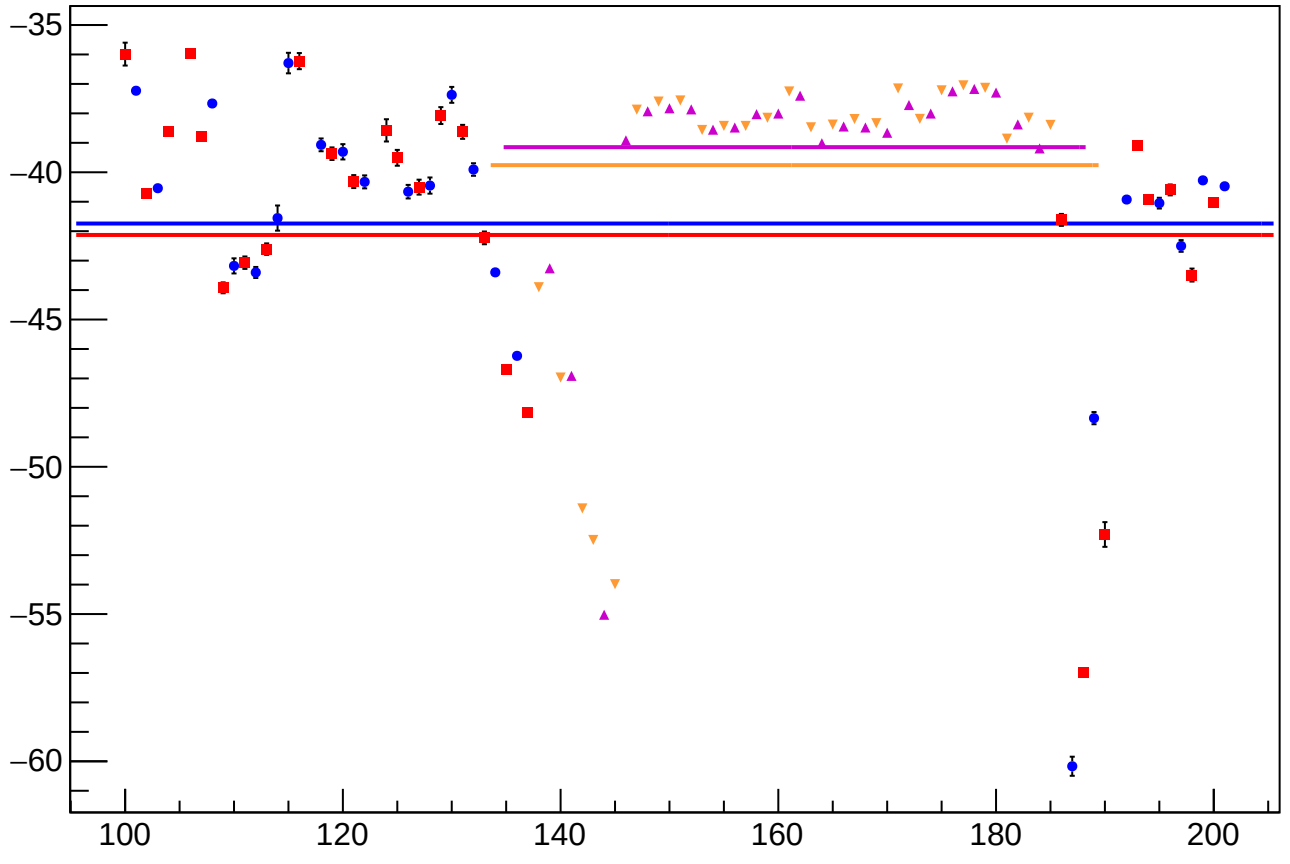
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 2.889+/-0.472 χ^2/NDF: 653.7/49

In: 16.125+/-0.307 χ^2/NDF:1848.8/45

Out: 15.600+/-0.300 χ^2/NDF:2376.3/51

All: 15.856+/-0.215 χ^2/NDF: 4226.7/97



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: -42.128+/-0.034 χ^2/NDF: 19097.4/26

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

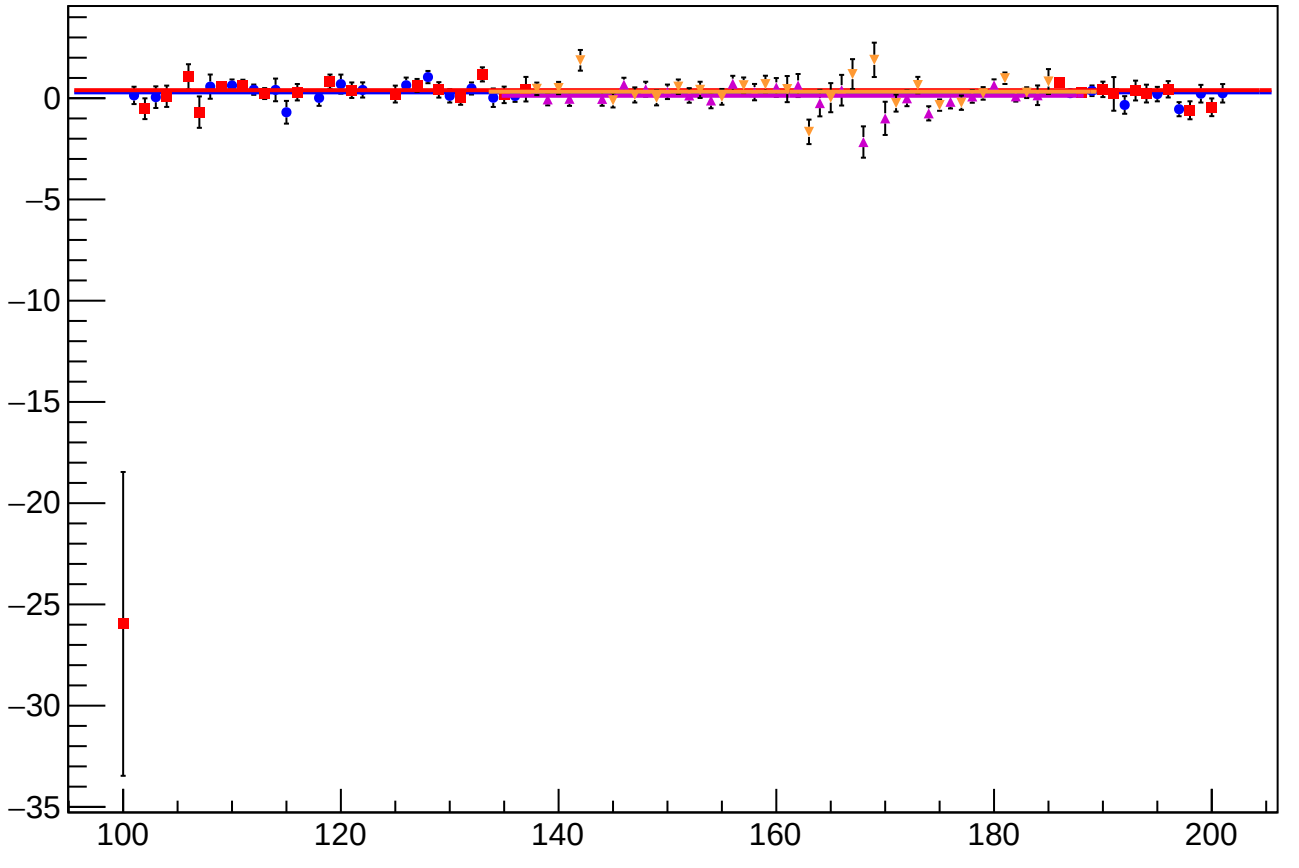
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.932+/-0.024 χ^2/NDF: 31582.5/49

In: -39.613+/-0.014 χ^2/NDF:64282.4/45

Out: -40.168+/-0.014 χ^2/NDF:105045.7/51

All: -39.893+/-0.010 χ^2/NDF: 170105.7/97



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: 0.397+/-0.063 χ^2/NDF: 43.9/26

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

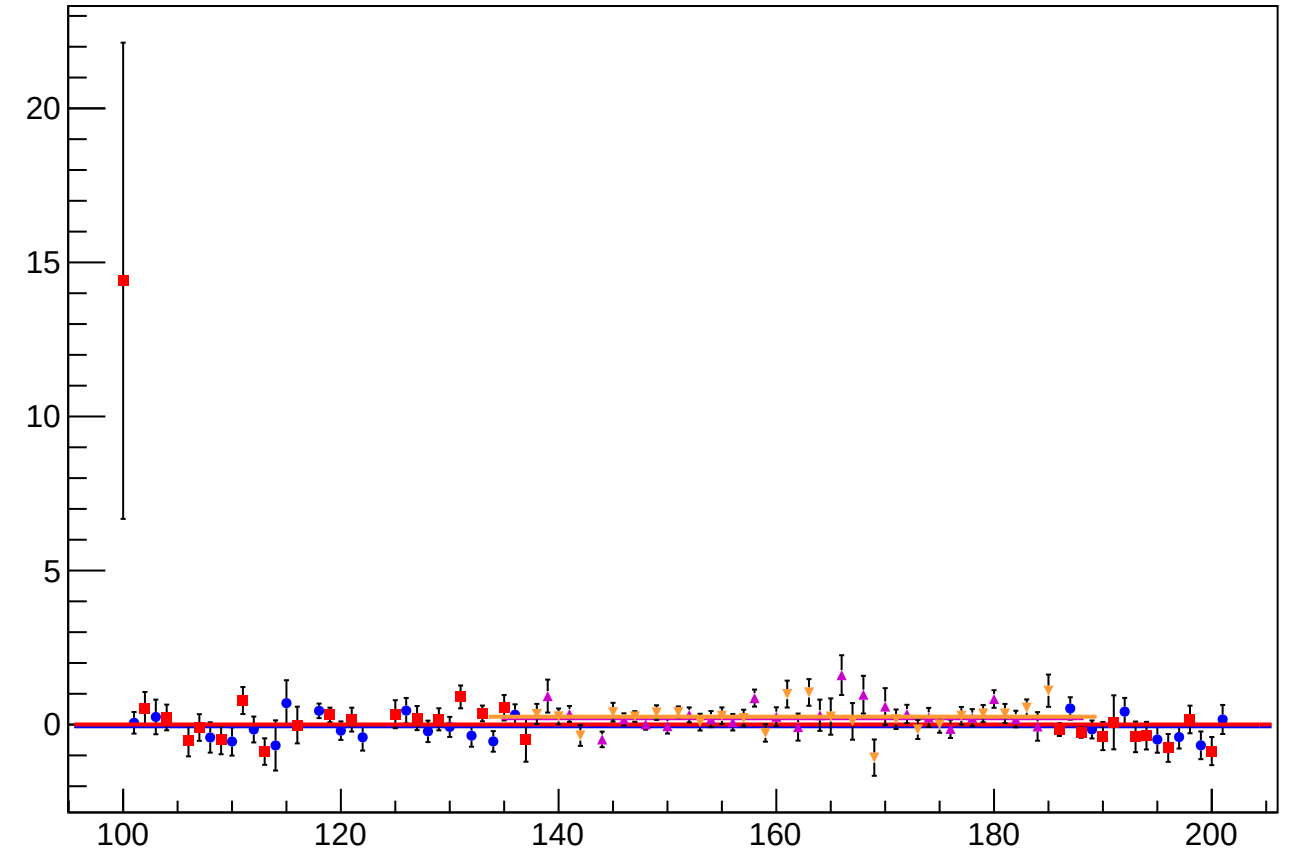
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.351+/-0.048 χ^2/NDF: 68.1/49

In: 0.211+/-0.054 χ^2/NDF:55.4/45

Out: 0.367+/-0.049 χ^2/NDF:91.4/50

All: 0.296+/-0.036 χ^2/NDF: 151.3/96



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+/-0.072 χ^2/NDF: 38.1/26

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

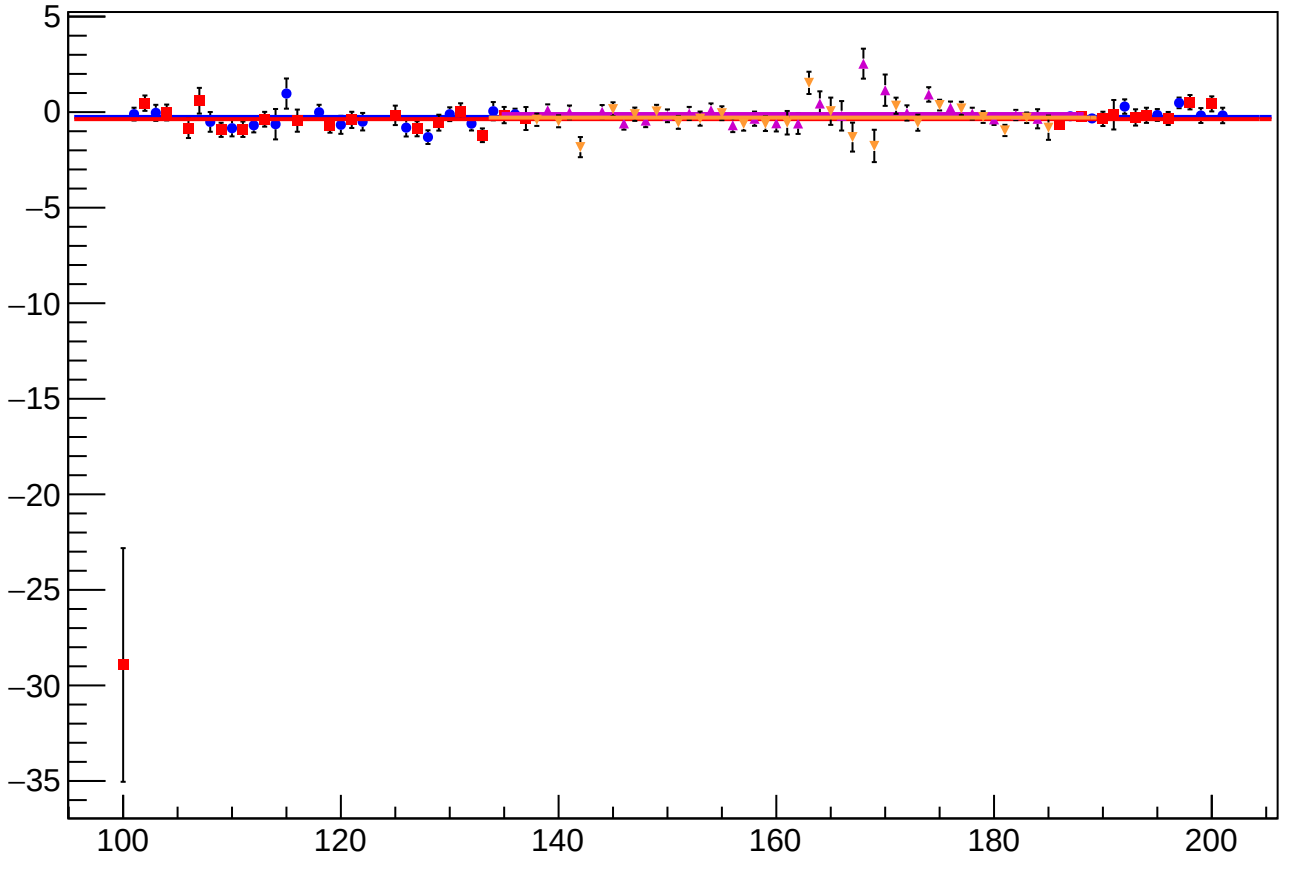
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: -0.023+/-0.053 χ^2/NDF: 61.3/49

In: 0.111+/-0.048 χ^2/NDF:61.6/45

Out: 0.155+/-0.046 χ^2/NDF:72.0/50

All: 0.134+/-0.033 χ^2/NDF: 134.1/96



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: -0.367+/-0.060 χ^2/NDF: 58.8/26

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

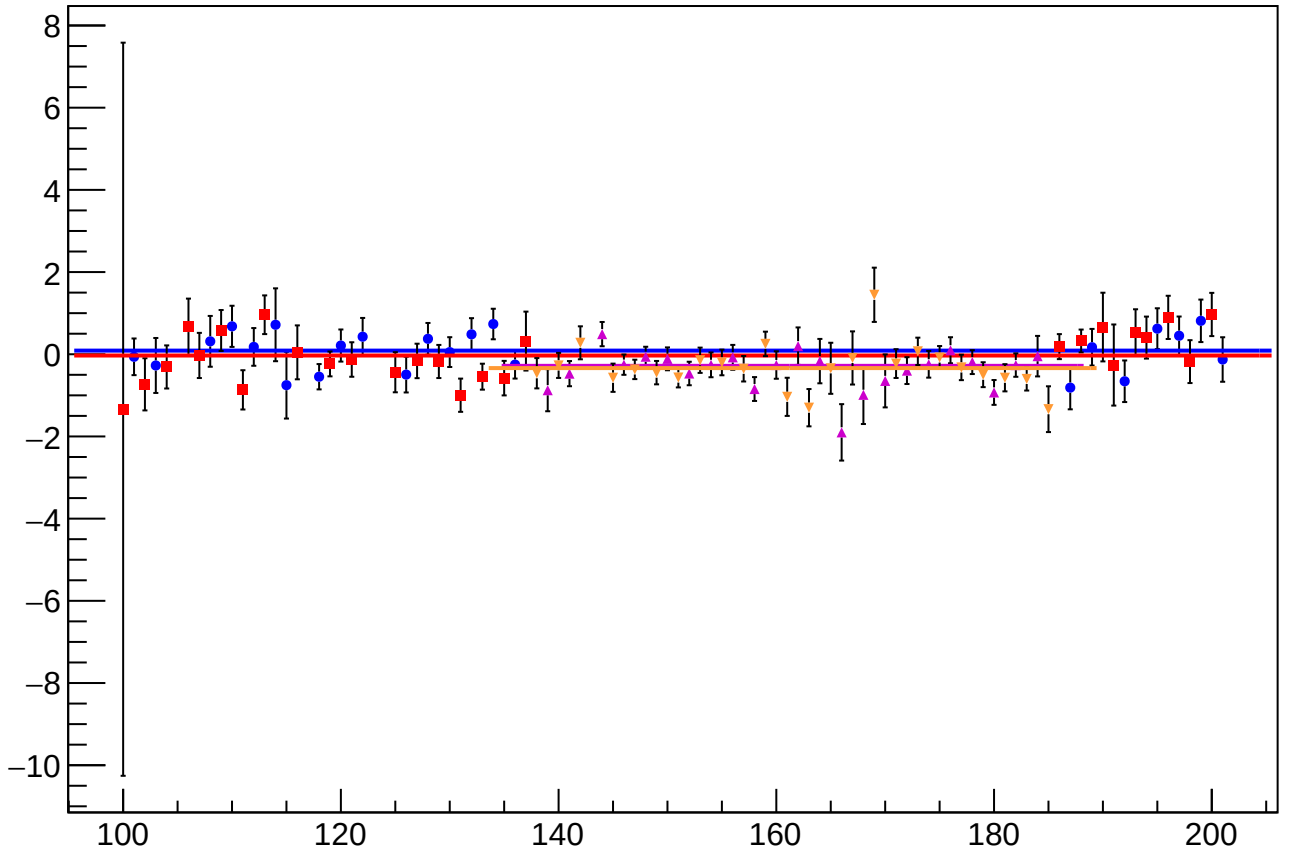
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.321+/-0.046 χ^2/NDF: 89.7/49

In: -0.181+/-0.053 χ^2/NDF:64.6/45

Out: -0.337+/-0.047 χ^2/NDF:104.6/50

All: -0.268+/-0.035 χ^2/NDF: 173.9/96



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: -0.031+/-0.089 χ^2/NDF: 34.7/26

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

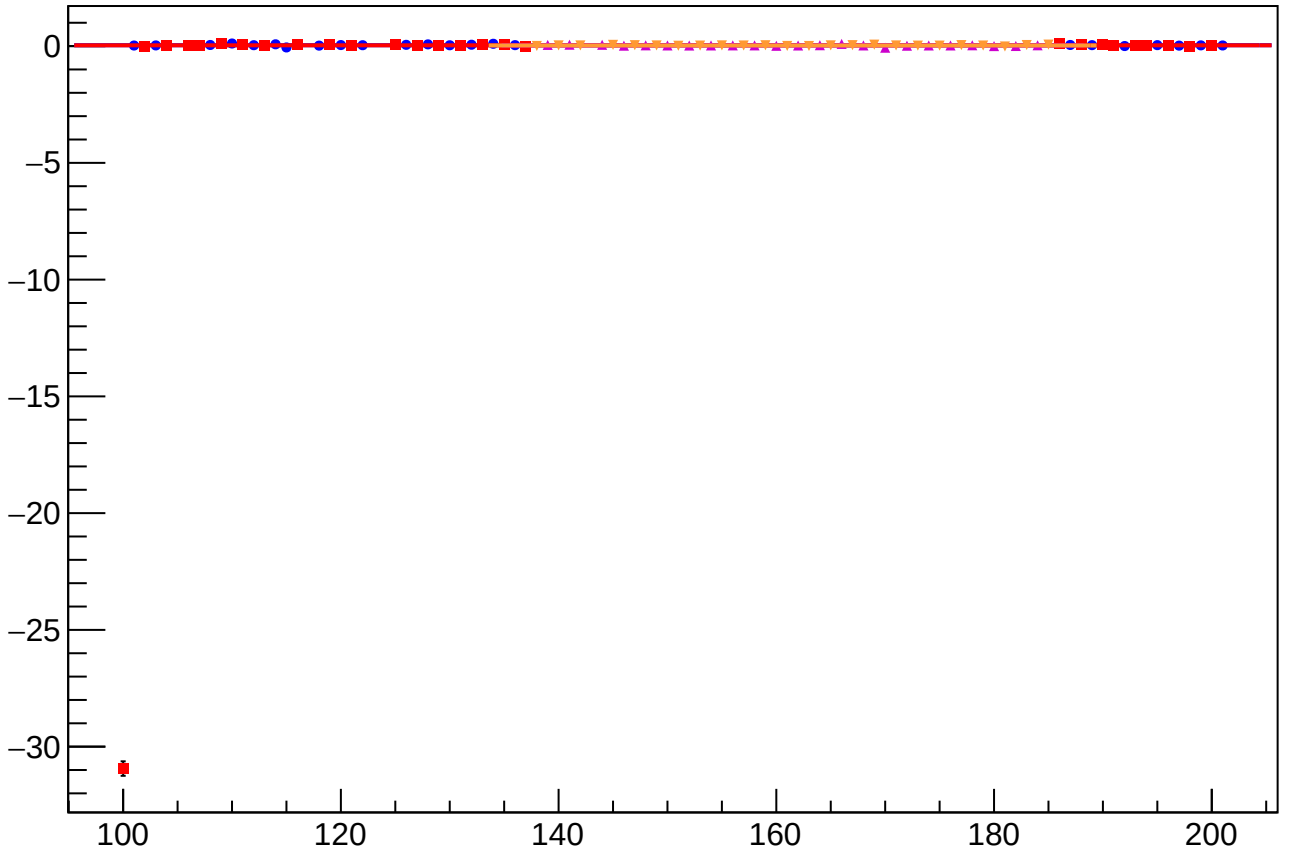
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.026+/-0.064 χ^2/NDF: 60.4/49

In: -0.152+/-0.056 χ^2/NDF:64.0/45

Out: -0.223+/-0.054 χ^2/NDF:72.3/50

All: -0.189+/-0.039 χ^2/NDF: 137.2/96



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: 0.034+/-0.004 χ^2/NDF: 10044.8/26

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

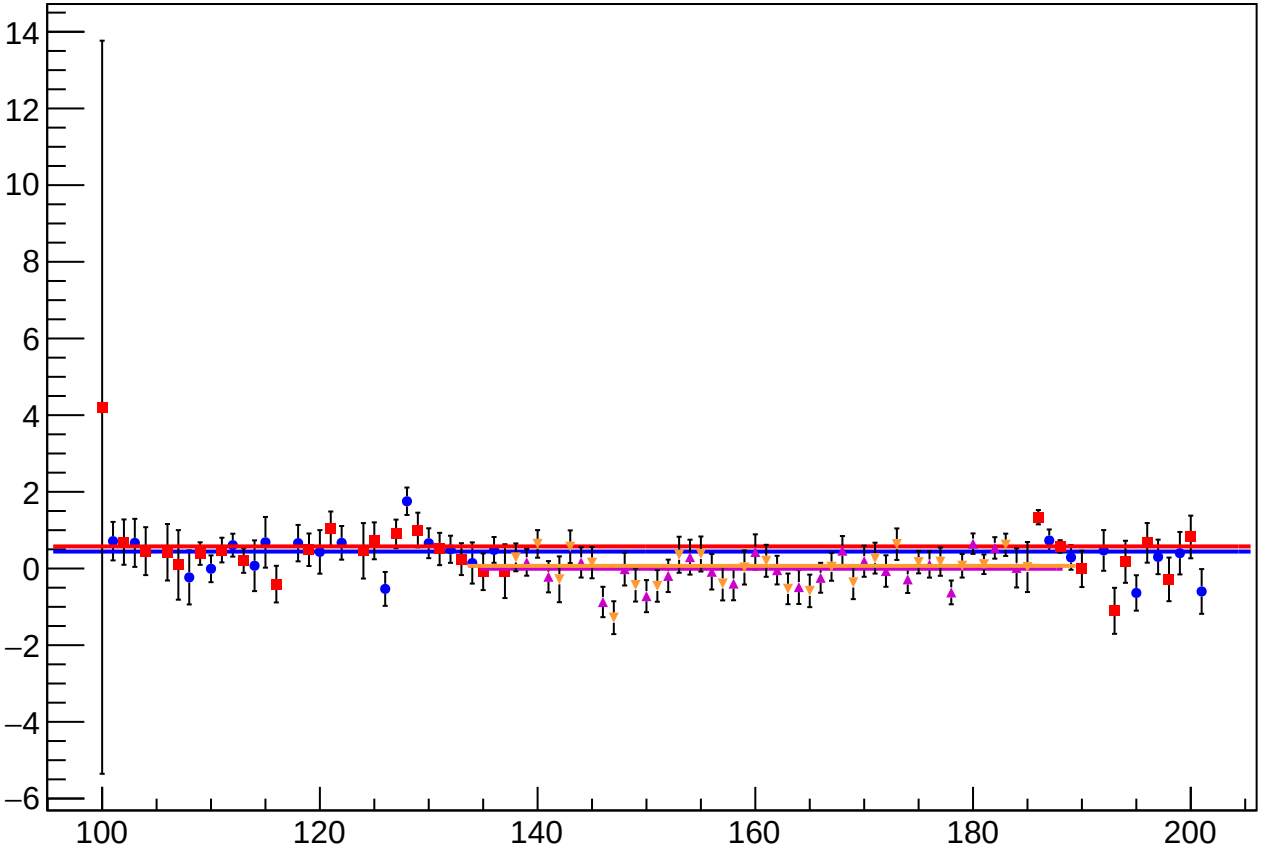
Right: 0.036+/-0.003 χ^2/NDF: 10074.1/49

In: 0.032+/-0.003 χ^2/NDF:70.6/45

Out: 0.030+/-0.002 χ^2/NDF:10073.8/50

All: 0.031+/-0.002 χ^2/NDF: 10144.8/96

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: 0.576+/-0.075 χ^2/NDF: 41.9/26

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

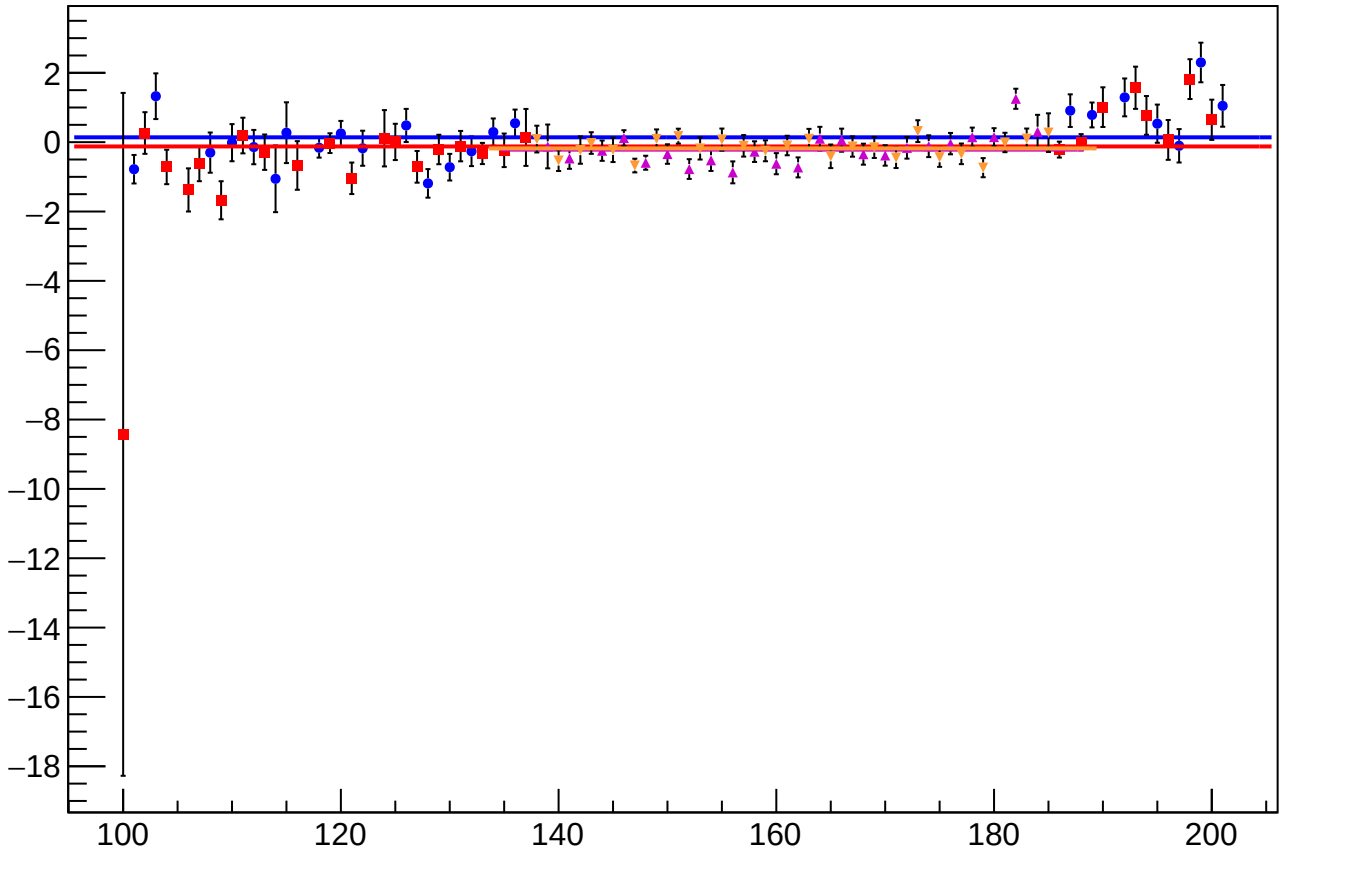
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.521+/-0.057 χ^2/NDF: 76.4/49

In: 0.192+/-0.059 χ^2/NDF:75.8/45

Out: 0.330+/-0.054 χ^2/NDF:95.3/51

All: 0.268+/-0.040 χ^2/NDF: 174.0/97



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: -0.124+/-0.086 χ^2/NDF: 51.3/26

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

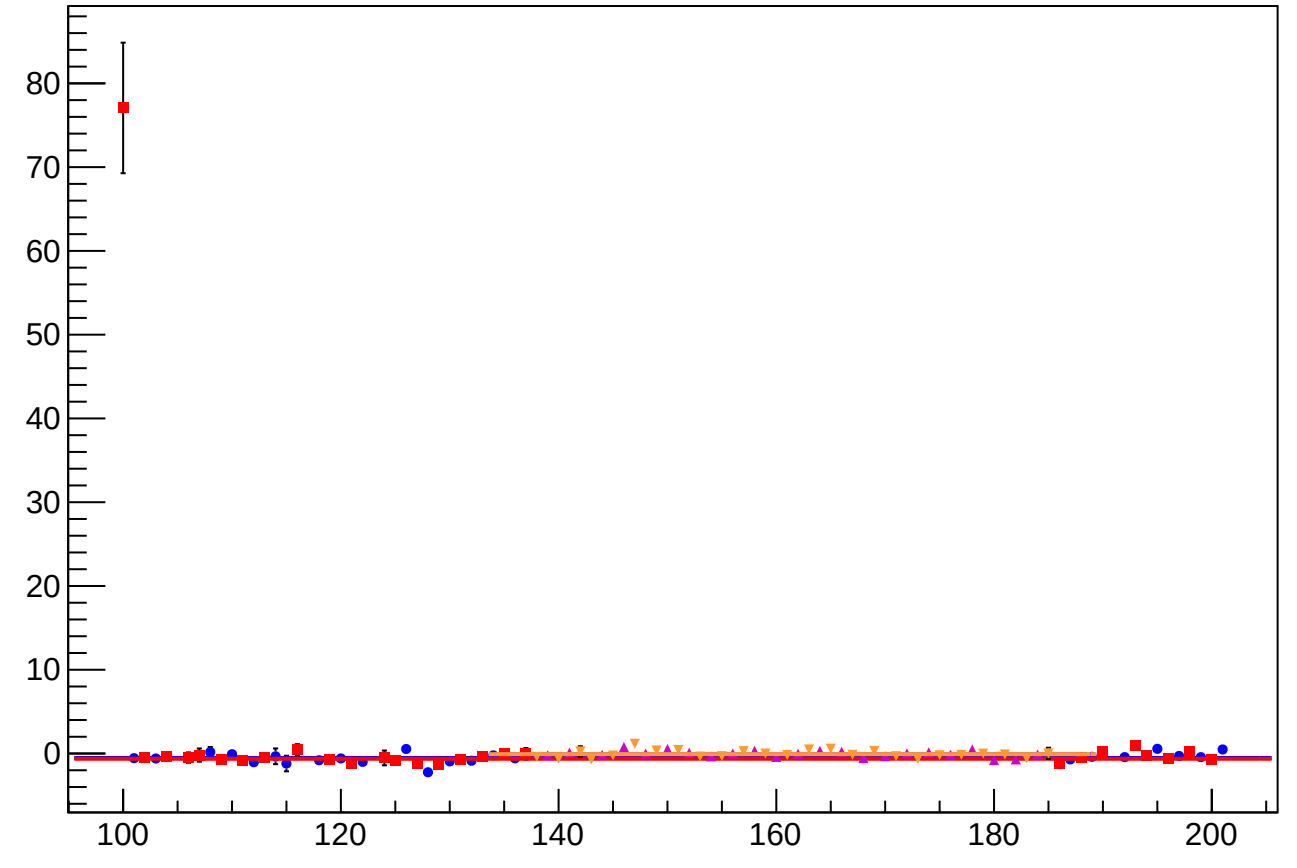
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.006+/-0.064 χ^2/NDF: 113.6/49

In: -0.111+/-0.052 χ^2/NDF:121.5/45

Out: -0.162+/-0.049 χ^2/NDF:76.3/51

All: -0.138+/-0.035 χ^2/NDF: 198.3/97



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: -0.626+/-0.071 χ^2/NDF: 139.9/26

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

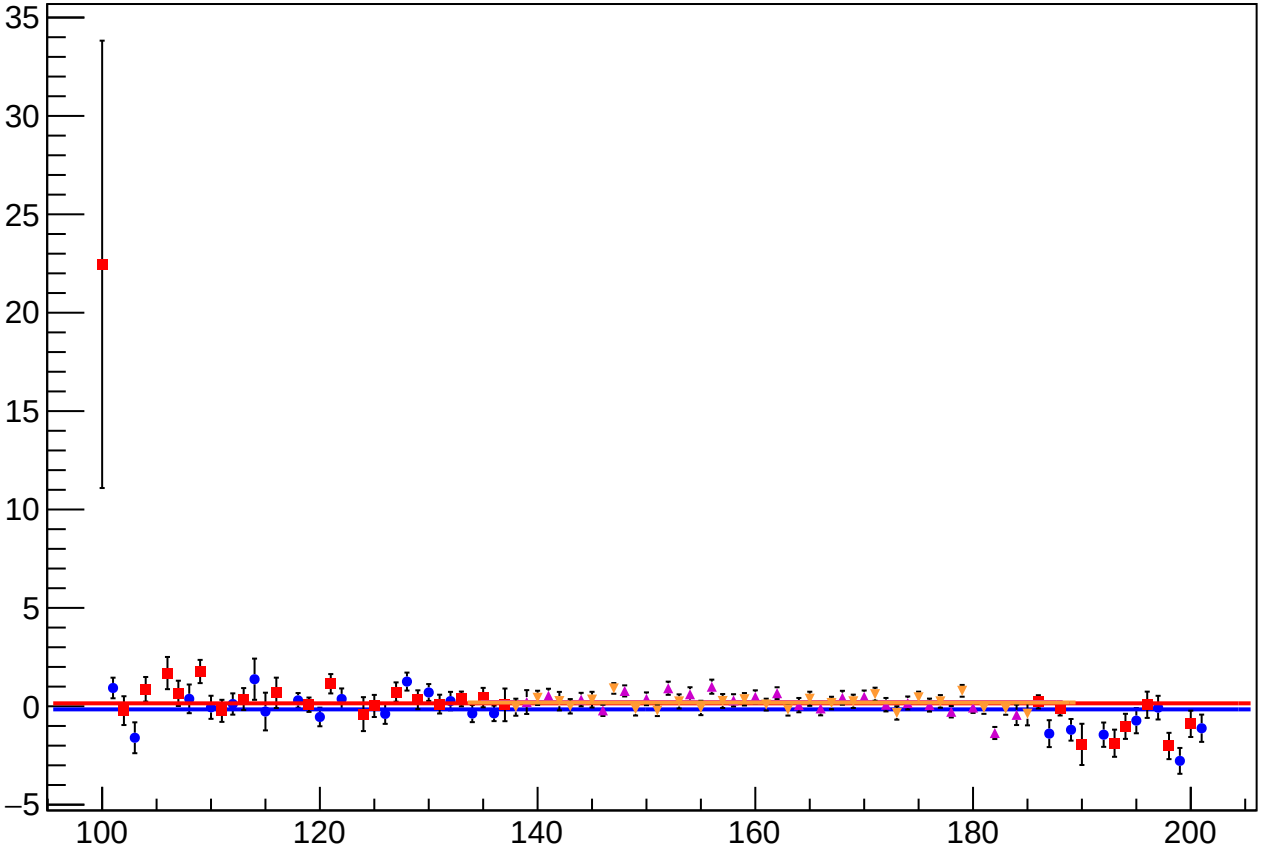
Right: -0.590+/-0.056 χ^2/NDF: 180.2/49

In: -0.276+/-0.059 χ^2/NDF:82.8/45

Out: -0.372+/-0.052 χ^2/NDF:197.4/51

All: -0.329+/-0.039 χ^2/NDF: 281.6/97

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: 0.150+/-0.105 χ^2/NDF: 54.6/26

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

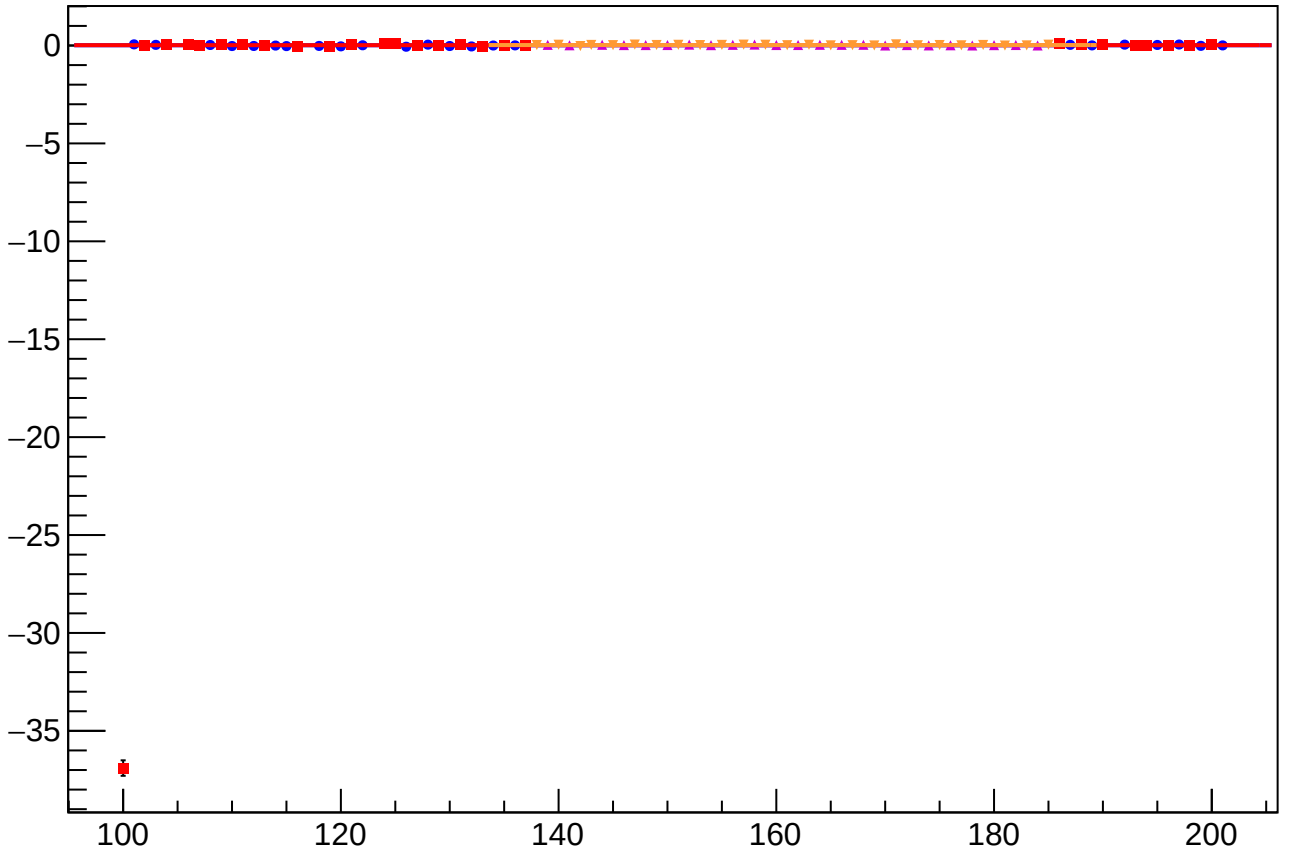
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.007+/-0.077 χ^2/NDF: 117.3/49

In: 0.113+/-0.059 χ^2/NDF:121.7/45

Out: 0.181+/-0.056 χ^2/NDF:80.6/51

All: 0.148+/-0.041 χ^2/NDF: 203.0/97



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: 0.017+/-0.005 χ^2/NDF: 8777.6/26

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

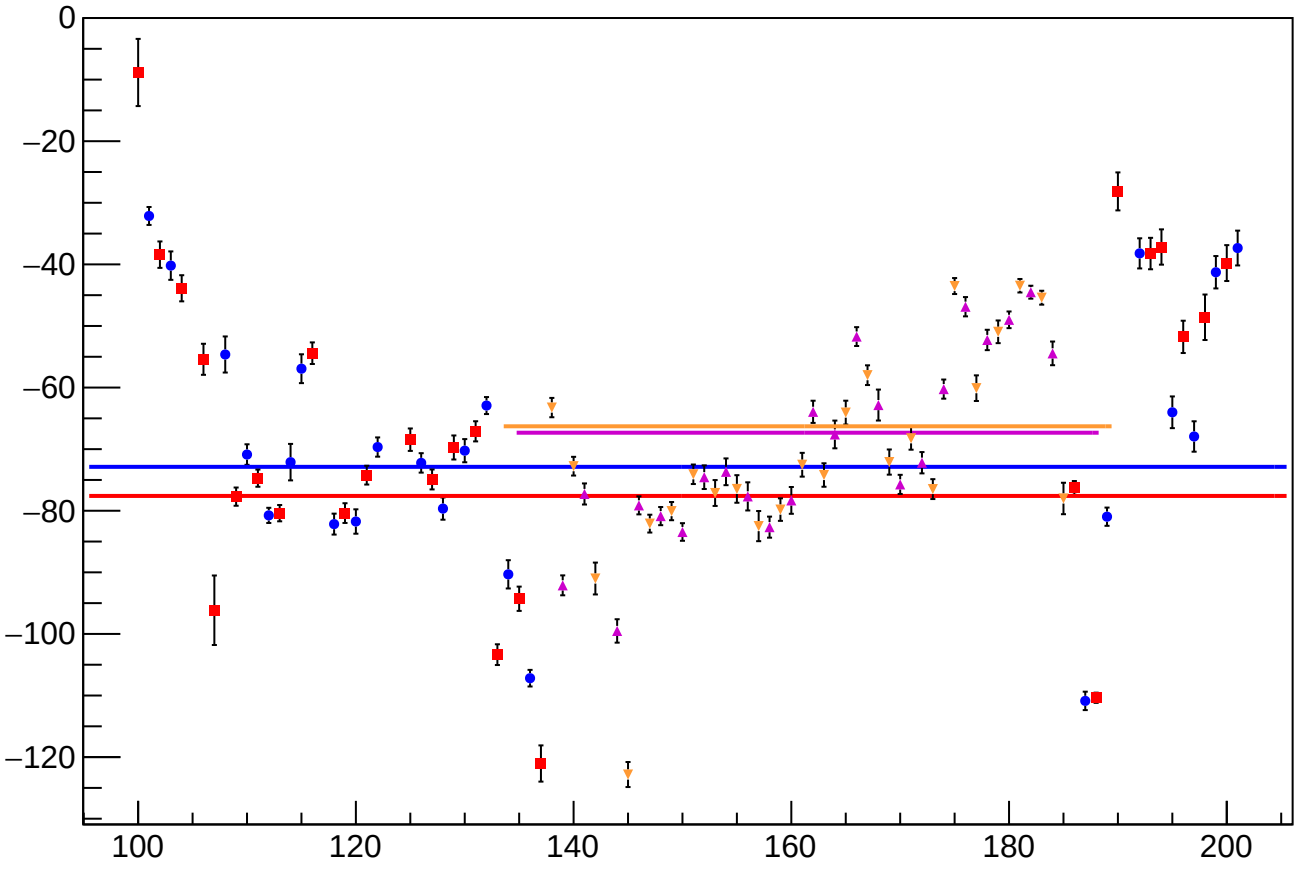
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8805.7/49

In: 0.021+/-0.003 χ^2/NDF:49.4/45

Out: 0.022+/-0.003 χ^2/NDF:8809.2/51

All: 0.022+/-0.002 χ^2/NDF: 8858.6/97



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: -77.595+/-0.346 χ^2/NDF: 4223.8/25

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

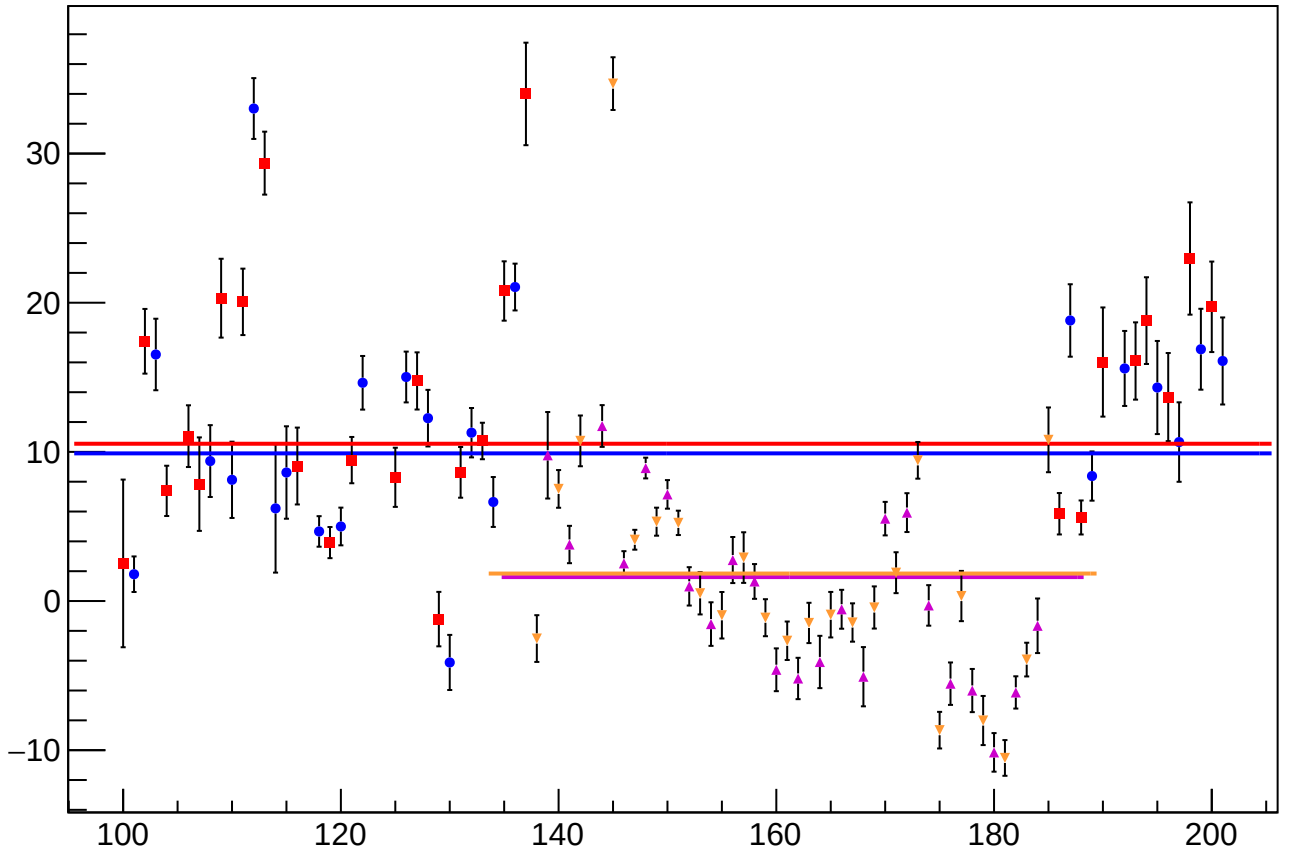
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -75.440+/-0.255 χ^2/NDF: 7442.3/48

In: -69.853+/-0.255 χ^2/NDF:5353.4/45

Out: -71.910+/-0.244 χ^2/NDF:7311.8/49

All: -70.926+/-0.176 χ^2/NDF: 12699.1/95



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: 10.545+/-0.376 χ^2/NDF: 357.1/25

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

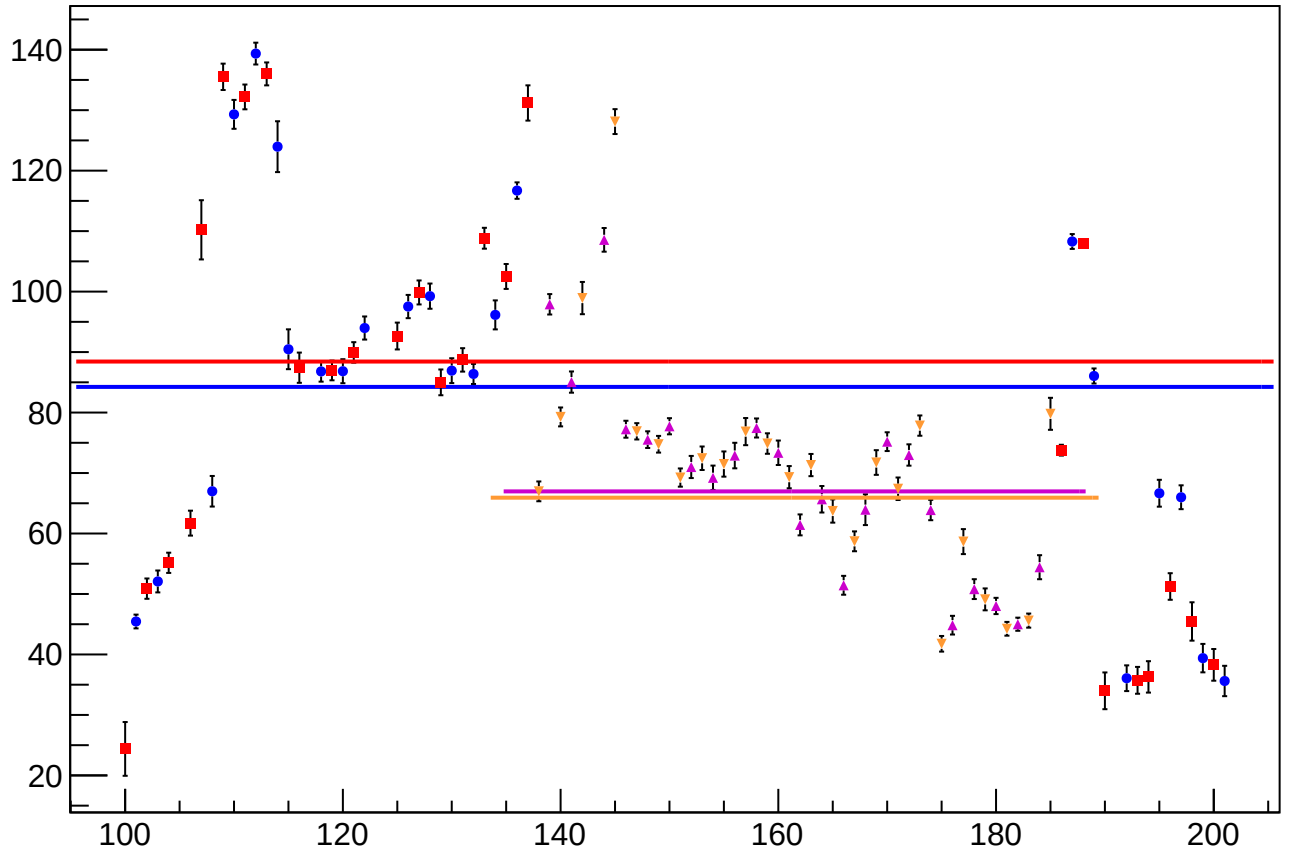
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 10.231+/-0.269 χ^2/NDF: 746.3/48

In: 4.176+/-0.215 χ^2/NDF:1203.7/45

Out: 4.579+/-0.211 χ^2/NDF:1506.5/49

All: 4.381+/-0.150 χ^2/NDF: 2711.9/95



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: 88.434+/-0.339 χ^2/NDF: 6536.6/25

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

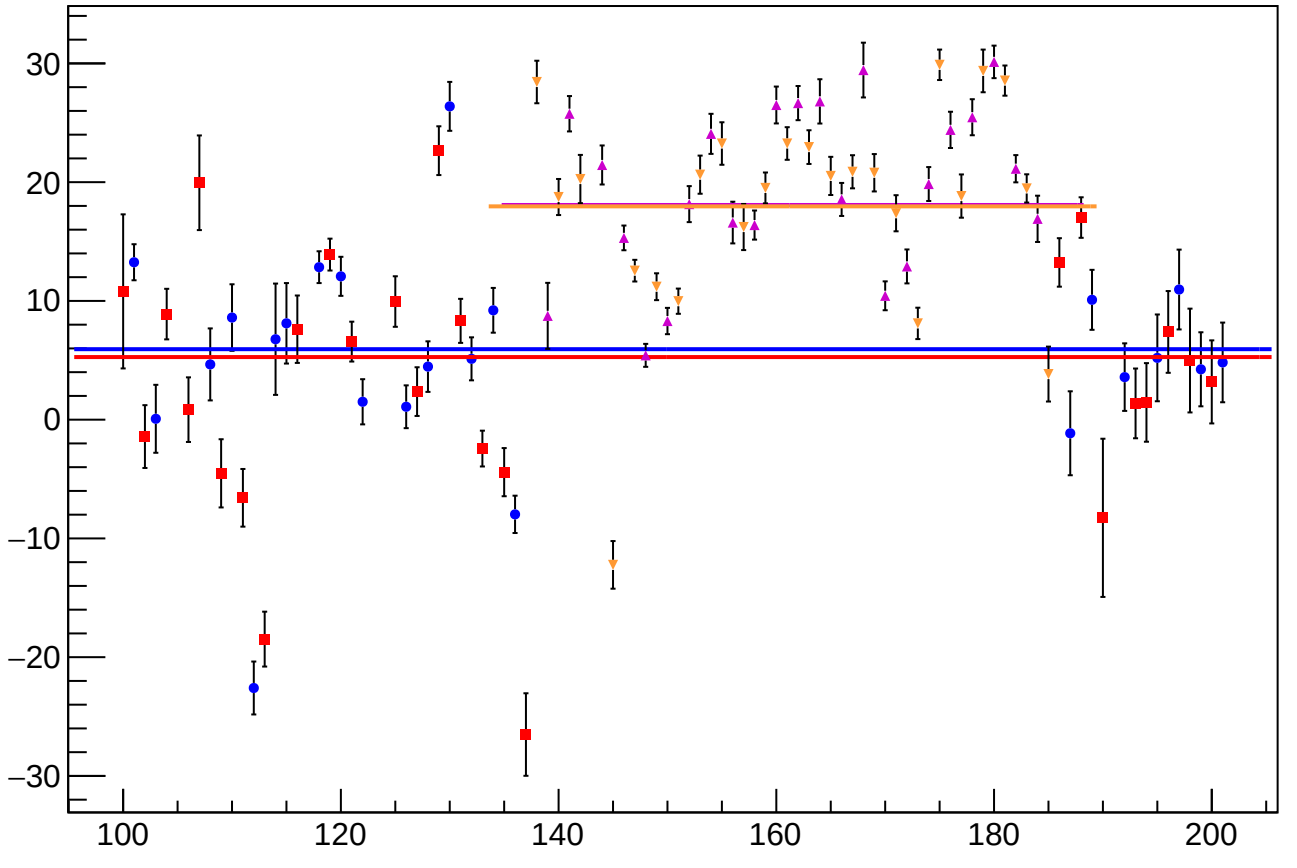
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 86.583+/-0.253 χ^2/NDF: 12019.3/48

In: 74.650+/-0.254 χ^2/NDF:8777.0/45

Out: 77.230+/-0.240 χ^2/NDF:11287.5/49

All: 76.013+/-0.175 χ^2/NDF: 20118.9/95



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: 5.272+/-0.453 χ^2/NDF: 494.4/25

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

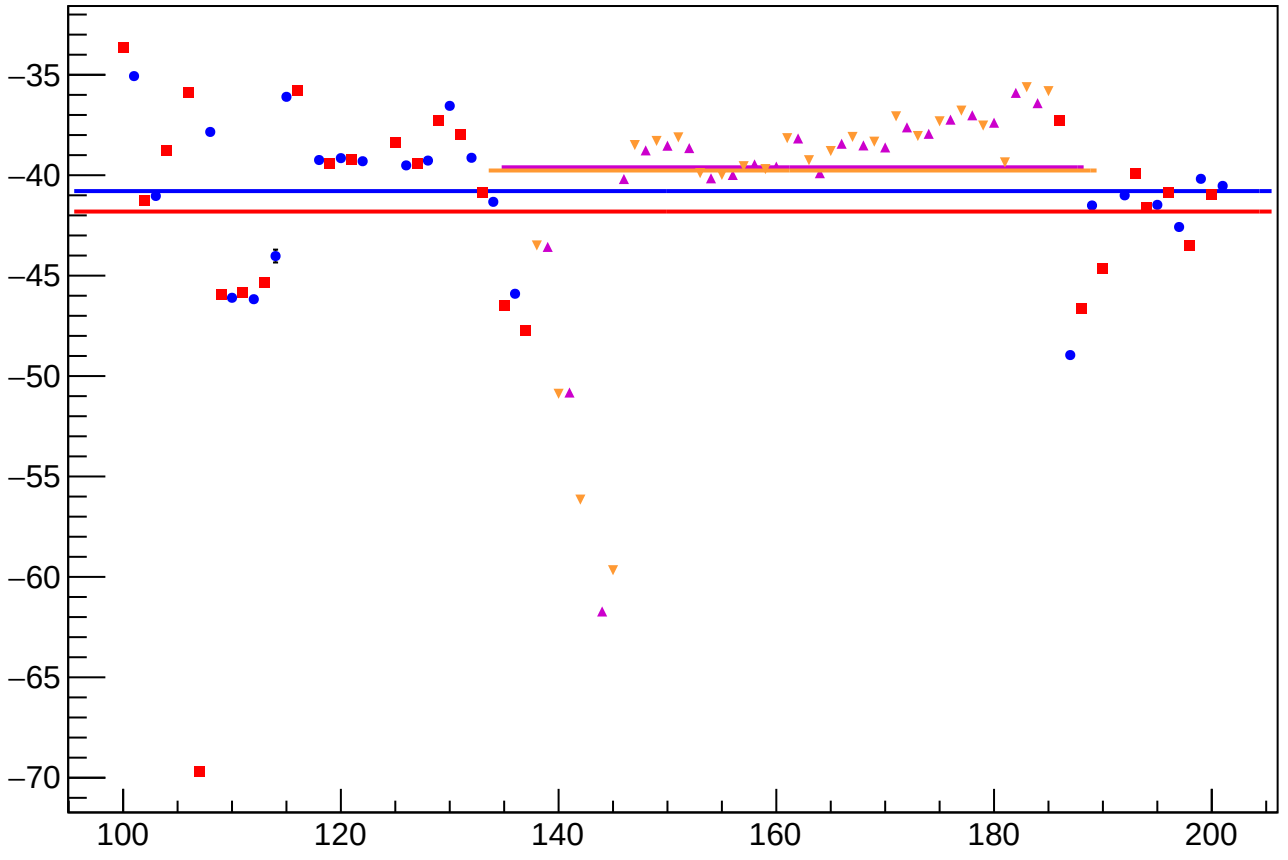
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

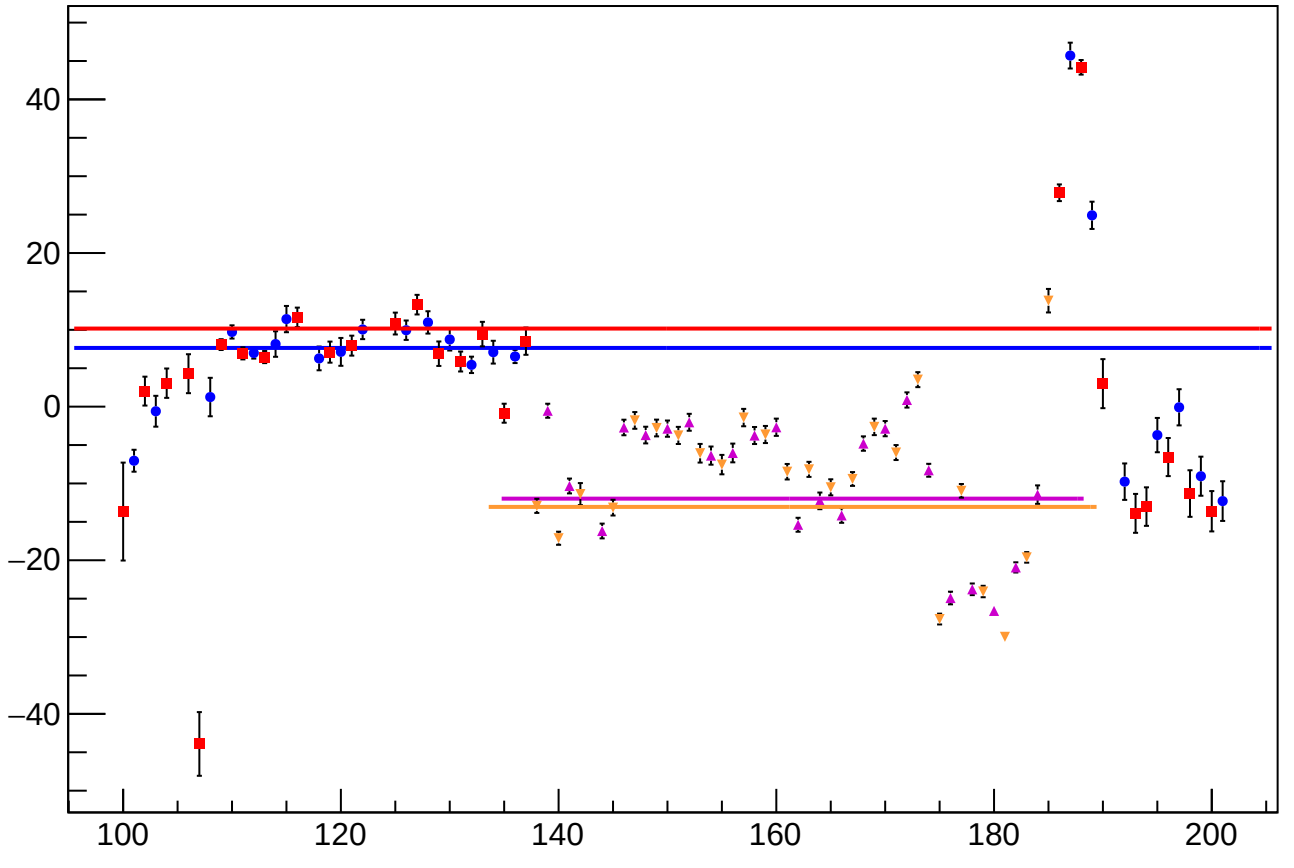
Right: 5.601+/-0.321 χ^2/NDF: 932.3/48

In: 14.503+/-0.248 χ^2/NDF:1541.5/45

Out: 14.234+/-0.245 χ^2/NDF:1781.8/49

All: 14.367+/-0.174 χ^2/NDF: 3323.8/95


reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
100
120
140
160
180
200
Right In: -40.791+/-0.023 χ²/NDF: 20326.7/22
Left Out: -39.765+/-0.013 χ²/NDF:129895.4/23
Right Out: -41.809+/-0.023 χ²/NDF: 41698.5/25
Left In: -39.606+/-0.013 χ²/NDF:106639.2/22
Left: -39.685+/-0.009 χ²/NDF: 236604.6/46
Right: -41.297+/-0.016 χ²/NDF: 62985.6/48
In: -39.902+/-0.012 χ²/NDF:128926.3/45
Out: -40.277+/-0.012 χ²/NDF:177357.3/49
All: -40.088+/-0.008 χ²/NDF: 306803.0/95



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: 10.165+/-0.267 χ^2/NDF: 2284.4/25

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

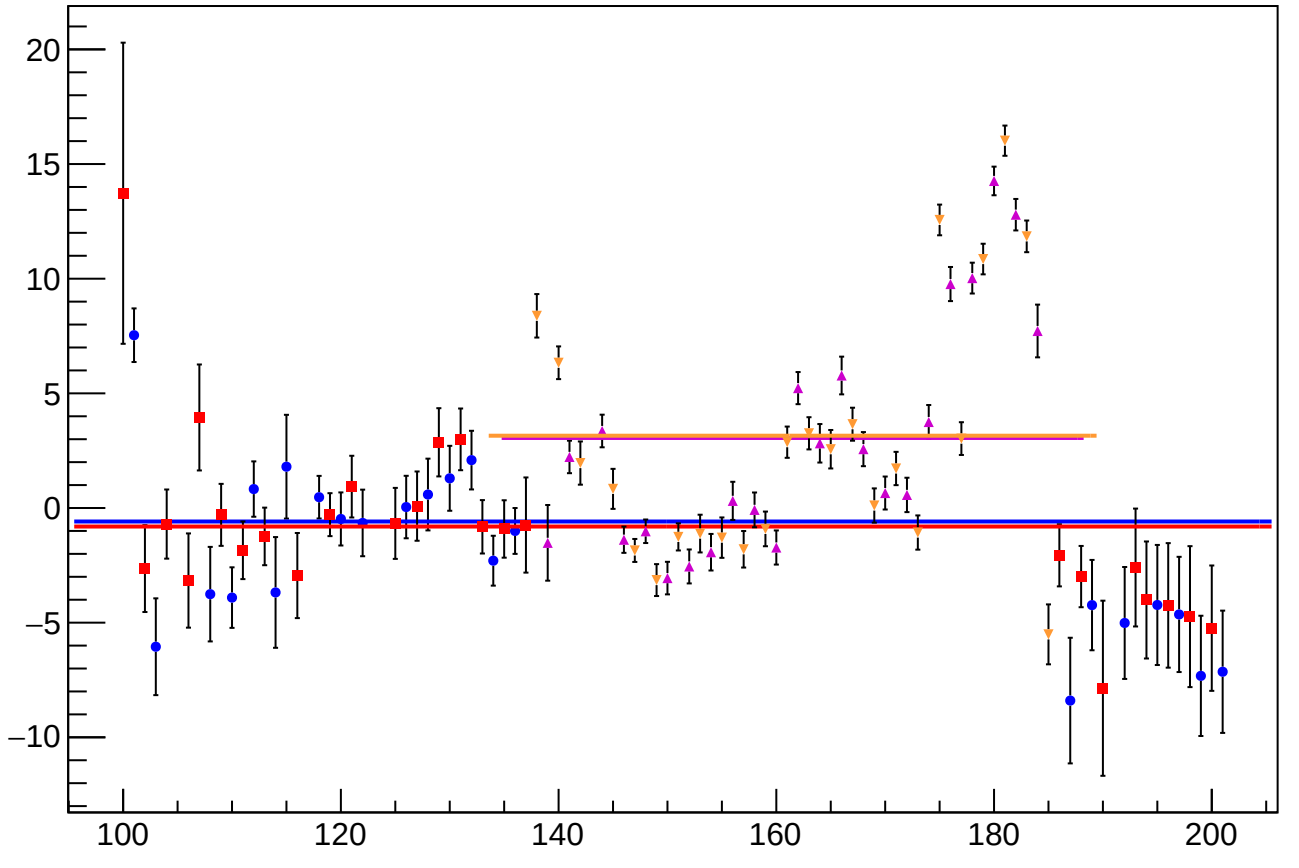
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

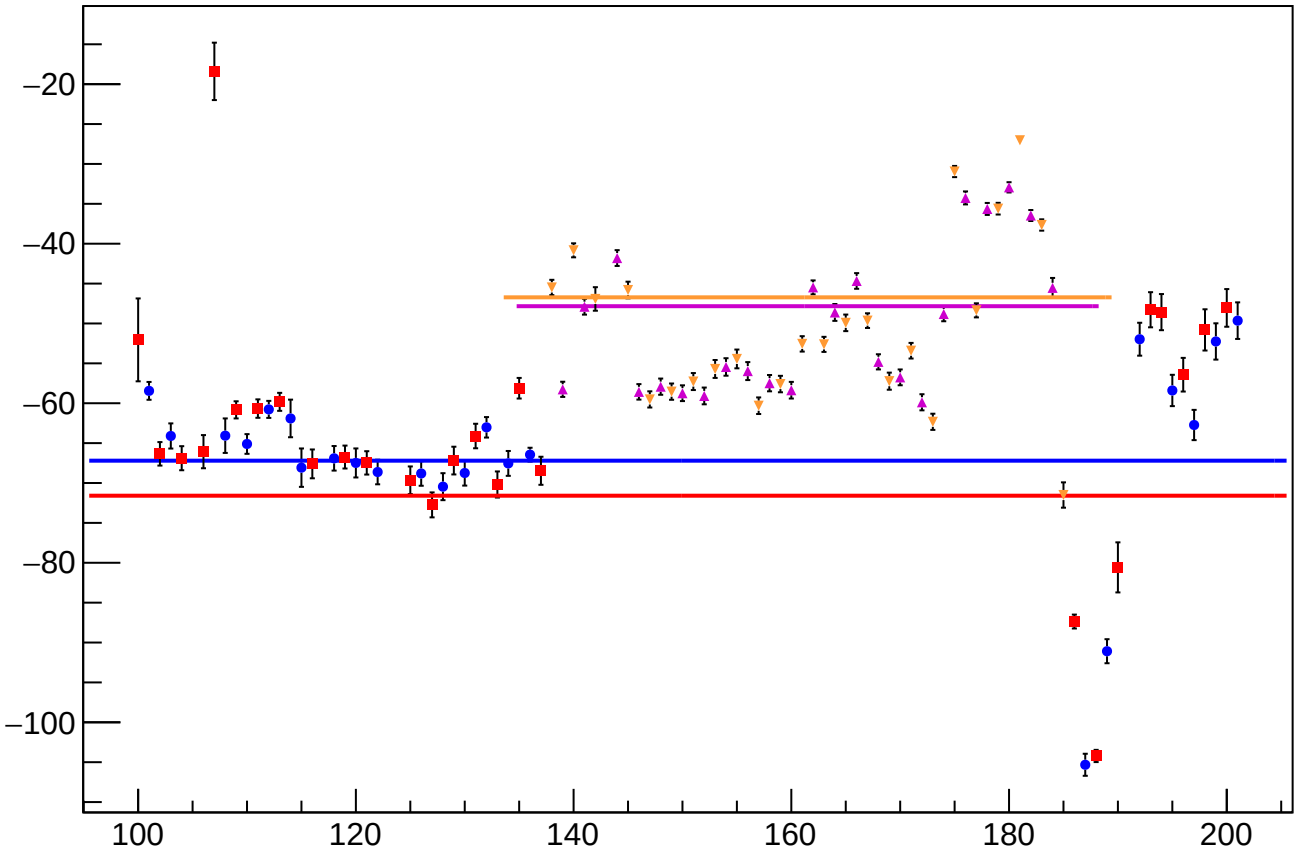
Right: 9.003+/-0.196 χ^2/NDF: 3286.1/48

In: -5.812+/-0.162 χ^2/NDF:6303.1/45

Out: -5.097+/-0.156 χ^2/NDF:10124.3/49

All: -5.442+/-0.112 χ^2/NDF: 16437.5/95


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: -0.808+/-0.312 χ²/NDF: 45.0/25
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -0.698+/-0.221 χ²/NDF: 155.9/48
In: 2.357+/-0.137 χ²/NDF:1365.7/45
Out: 2.416+/-0.135 χ²/NDF:1561.4/49
All: 2.387+/-0.096 χ²/NDF: 2927.2/95



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: -71.592+/-0.291 χ^2/NDF: 3310.0/25

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

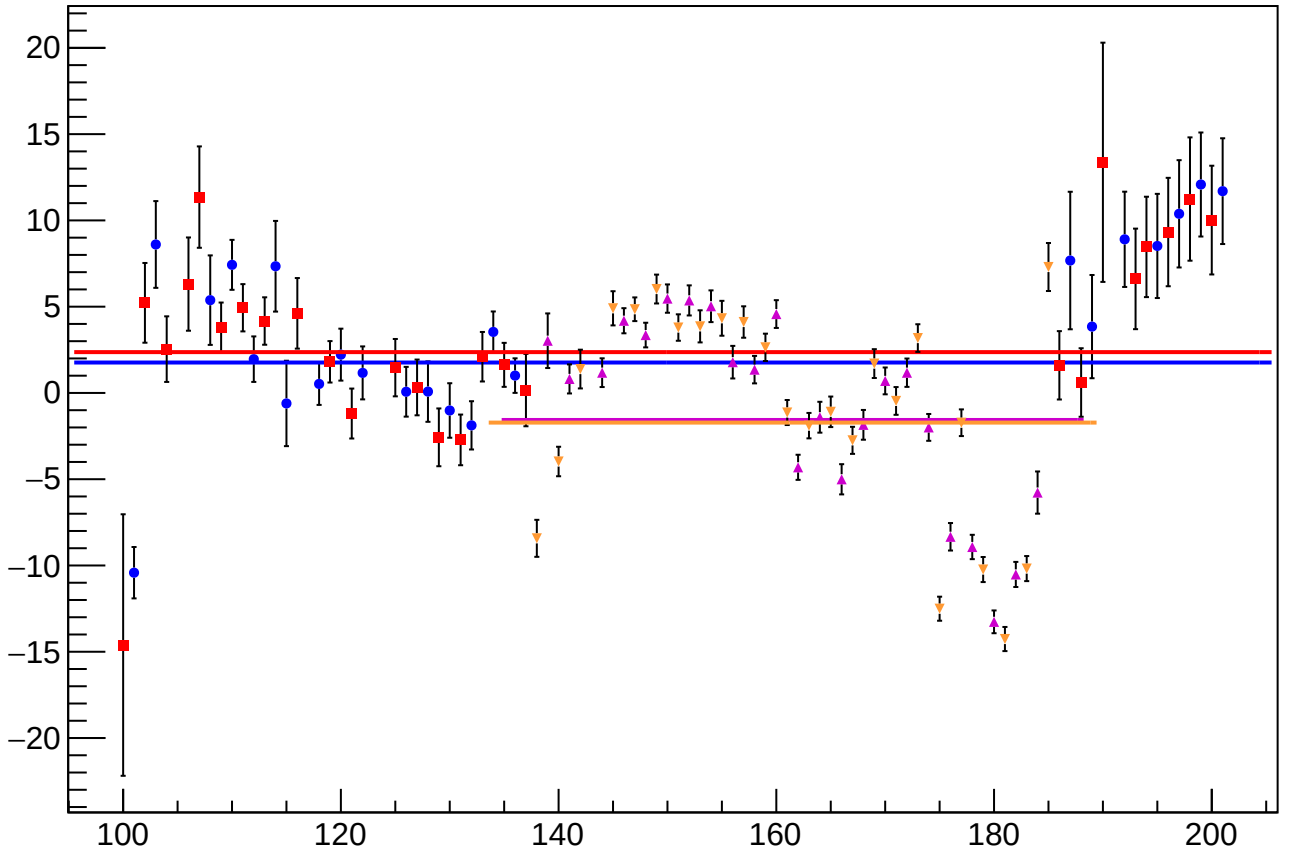
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -69.565+/-0.214 χ^2/NDF: 4739.2/48

In: -53.163+/-0.165 χ^2/NDF:6627.8/45

Out: -54.226+/-0.160 χ^2/NDF:11840.7/49

All: -53.711+/-0.115 χ^2/NDF: 18489.9/95



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: 2.366+/-0.362 χ^2/NDF: 82.8/25

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

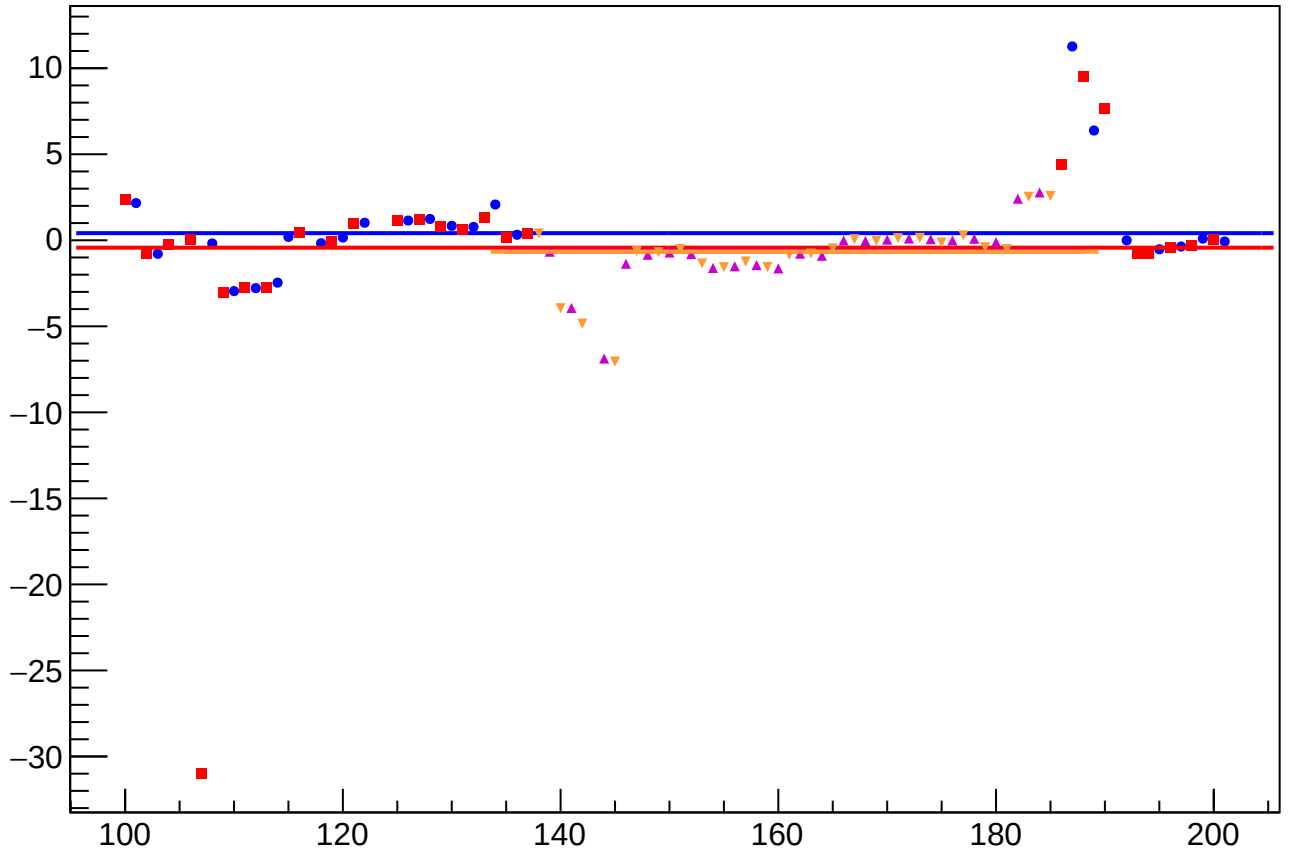
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.061+/-0.254 χ^2/NDF: 241.7/48

In: -0.949+/-0.154 χ^2/NDF:1346.0/45

Out: -0.996+/-0.152 χ^2/NDF:1593.6/49

All: -0.973+/-0.108 χ^2/NDF: 2939.7/95



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: -0.430+/-0.019 χ^2/NDF: 59969.5/25

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

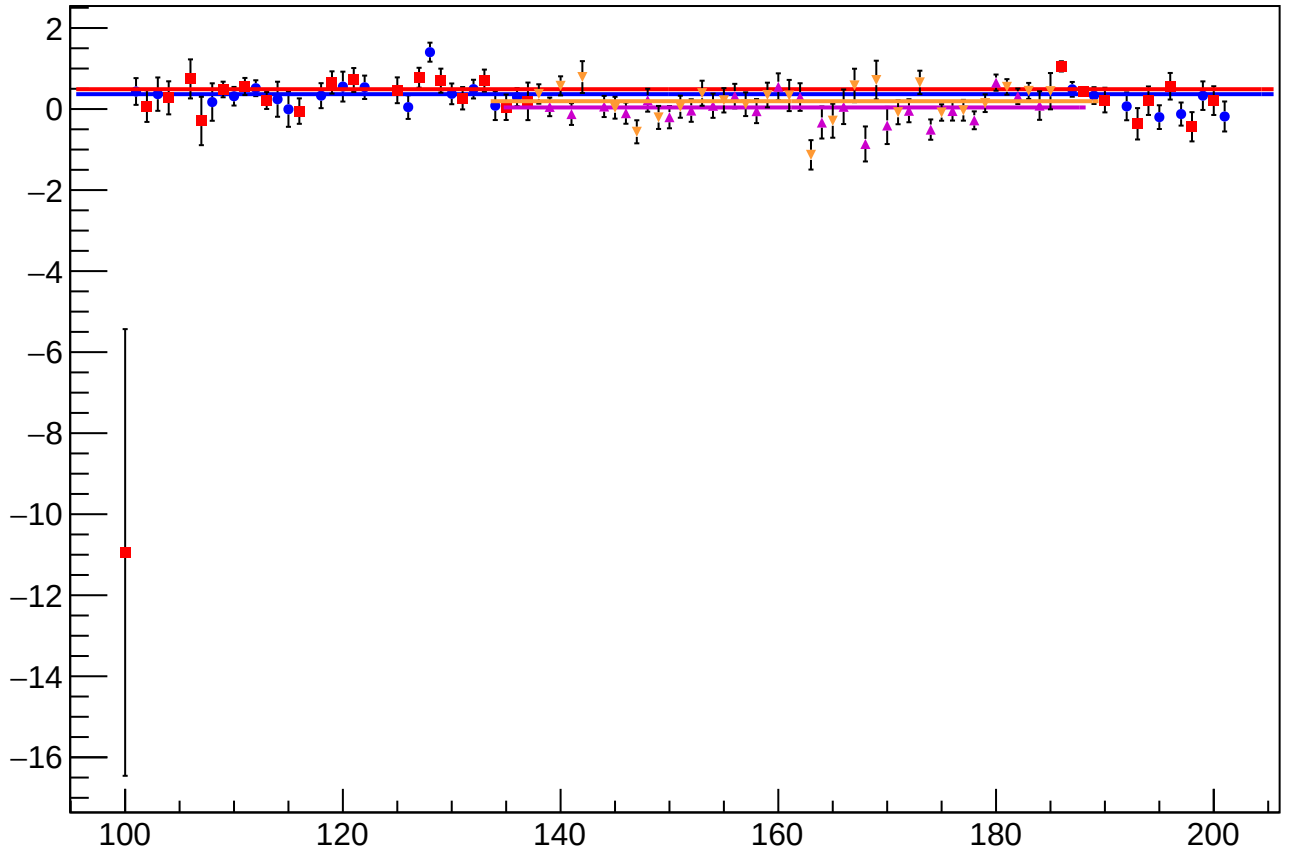
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.005+/-0.013 χ^2/NDF: 70652.3/48

In: -0.494+/-0.007 χ^2/NDF:58070.0/45

Out: -0.634+/-0.007 χ^2/NDF:115380.0/49

All: -0.564+/-0.005 χ^2/NDF: 173650.6/95



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: 0.490+/-0.049 χ^2/NDF: 52.8/25

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

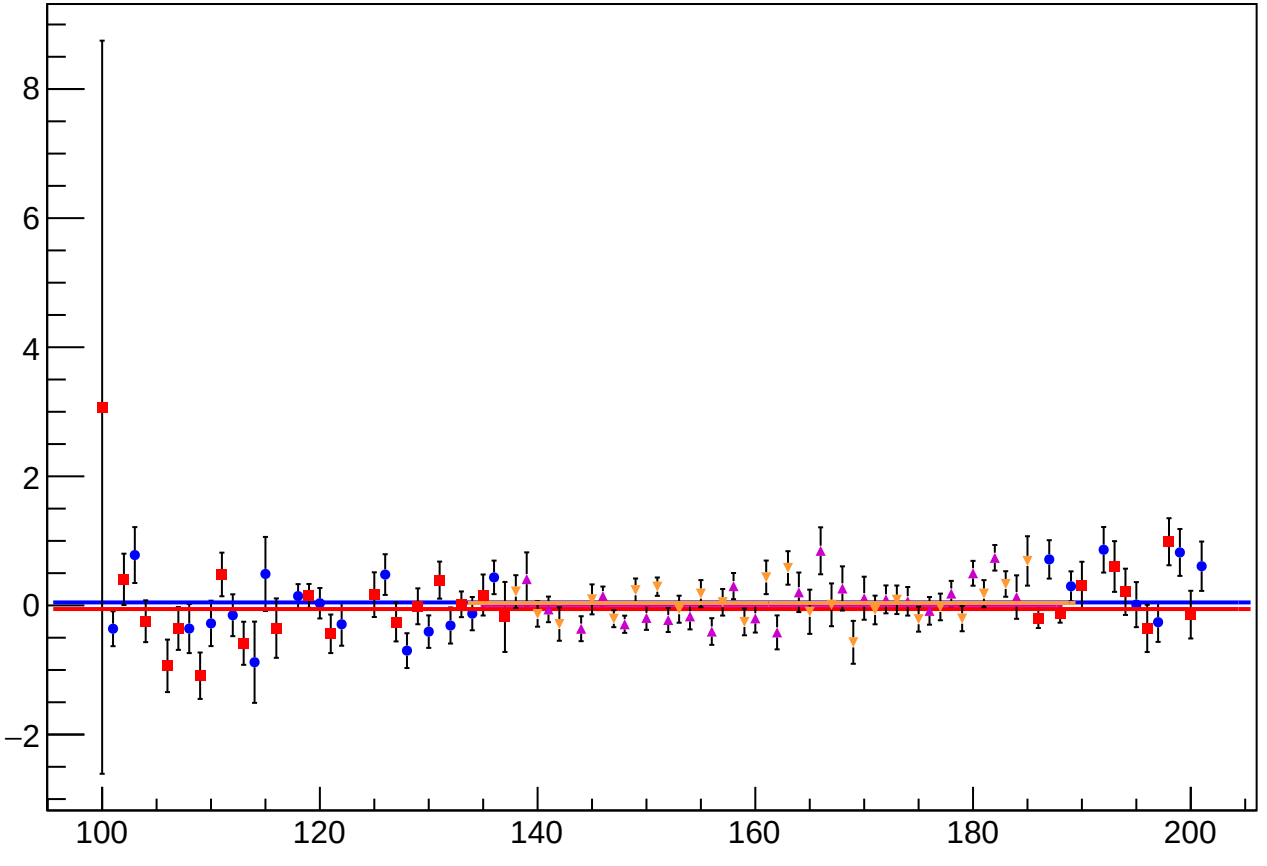
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.438+/-0.038 χ^2/NDF: 89.7/48

In: 0.203+/-0.041 χ^2/NDF:80.9/45

Out: 0.362+/-0.037 χ^2/NDF:112.5/49

All: 0.290+/-0.028 χ^2/NDF: 201.8/95



Right In: 0.047+/-0.062 χ^2/NDF: 47.9/22

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.056+/-0.056 χ^2/NDF: 42.3/25

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

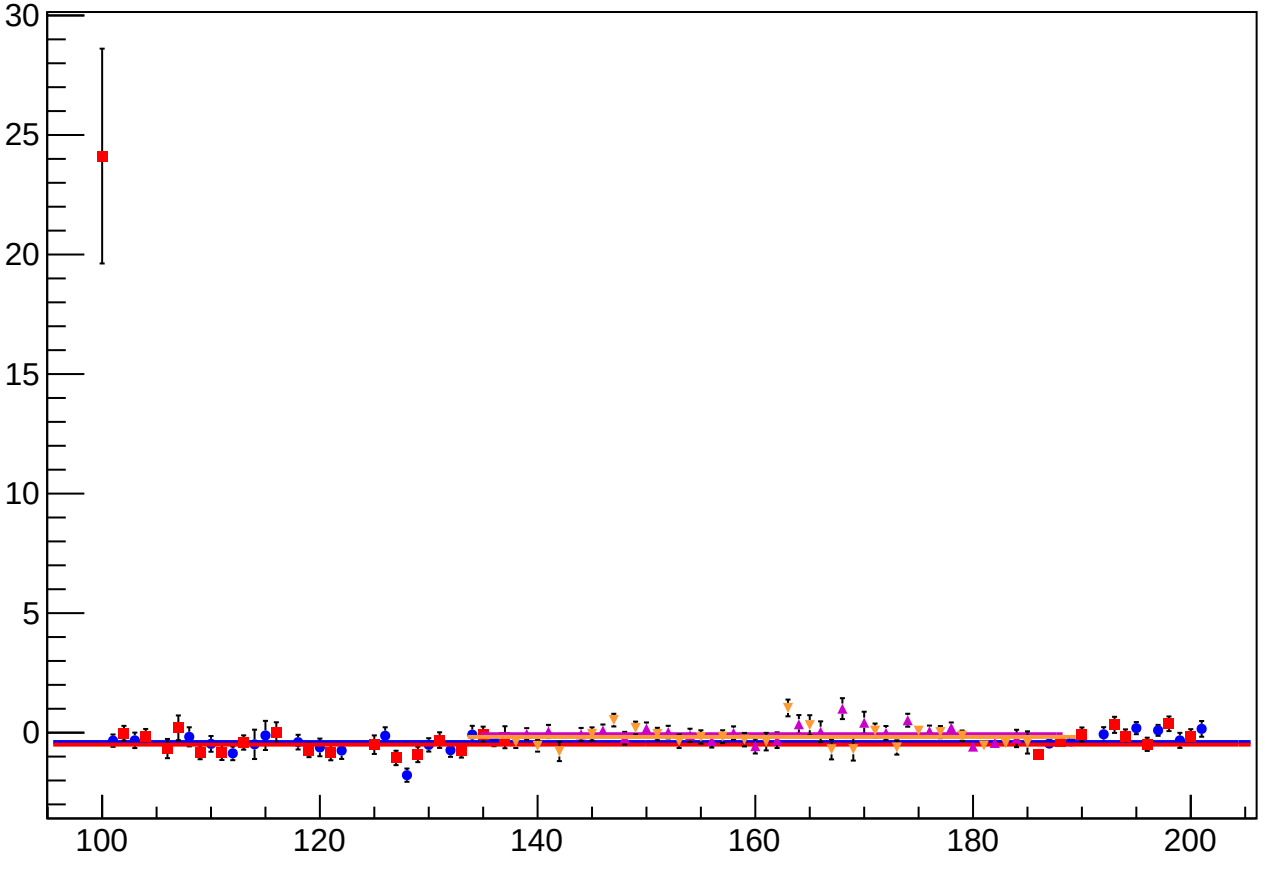
Right: -0.010+/-0.042 χ^2/NDF: 91.7/48

In: 0.021+/-0.036 χ^2/NDF:99.6/45

Out: 0.003+/-0.034 χ^2/NDF:76.8/49

All: 0.012+/-0.025 χ^2/NDF: 176.5/95

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: -0.500+/-0.047 χ^2/NDF: 84.5/25

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

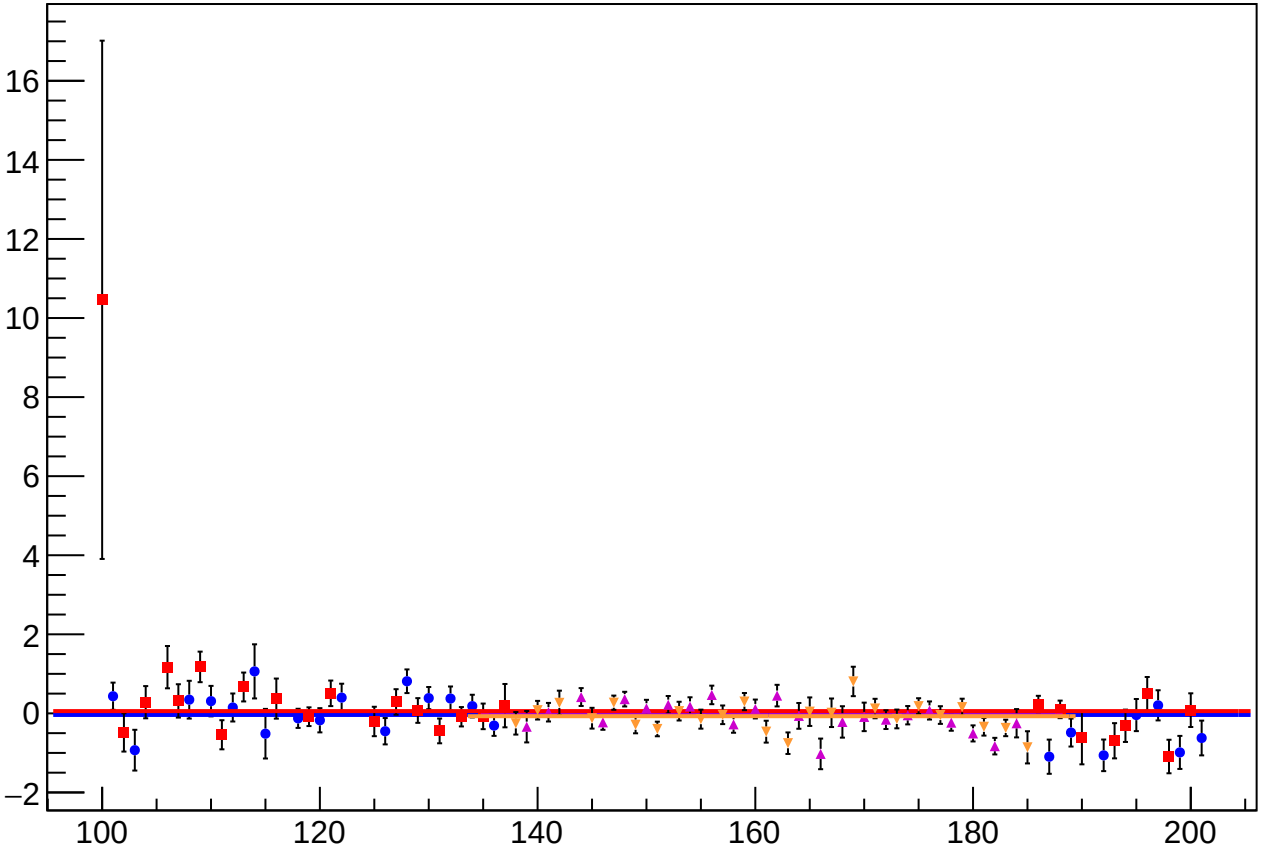
Right: -0.458+/-0.036 χ^2/NDF: 133.3/48

In: -0.227+/-0.041 χ^2/NDF:94.5/45

Out: -0.368+/-0.036 χ^2/NDF:146.0/49

All: -0.306+/-0.027 χ^2/NDF: 247.2/95

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: 0.058+/-0.069 χ^2/NDF: 43.0/25

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

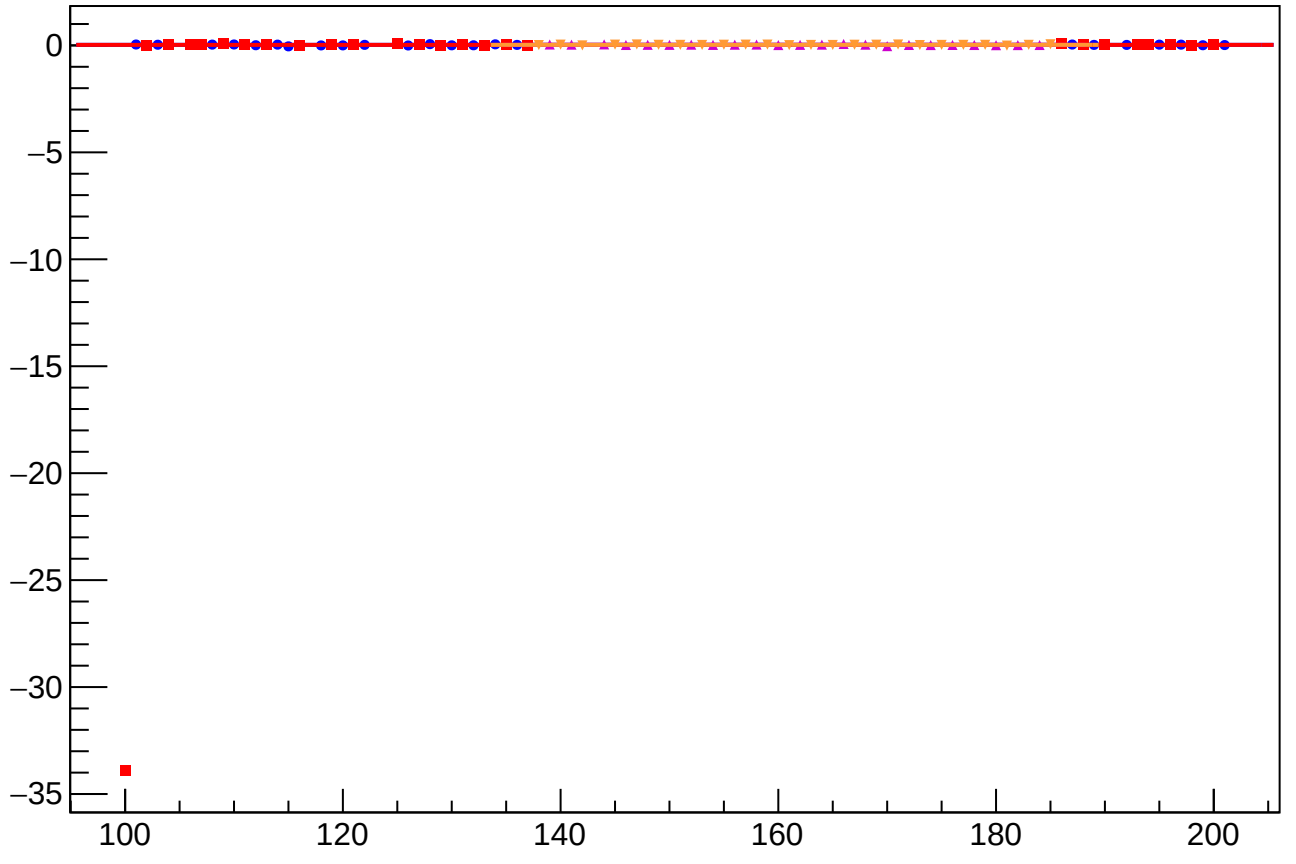
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.012+/-0.050 χ^2/NDF: 92.5/48

In: -0.045+/-0.041 χ^2/NDF:99.0/45

Out: -0.028+/-0.040 χ^2/NDF:83.0/49

All: -0.036+/-0.029 χ^2/NDF: 182.1/95



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: 0.024+/-0.003 χ^2/NDF: 22306.6/25

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

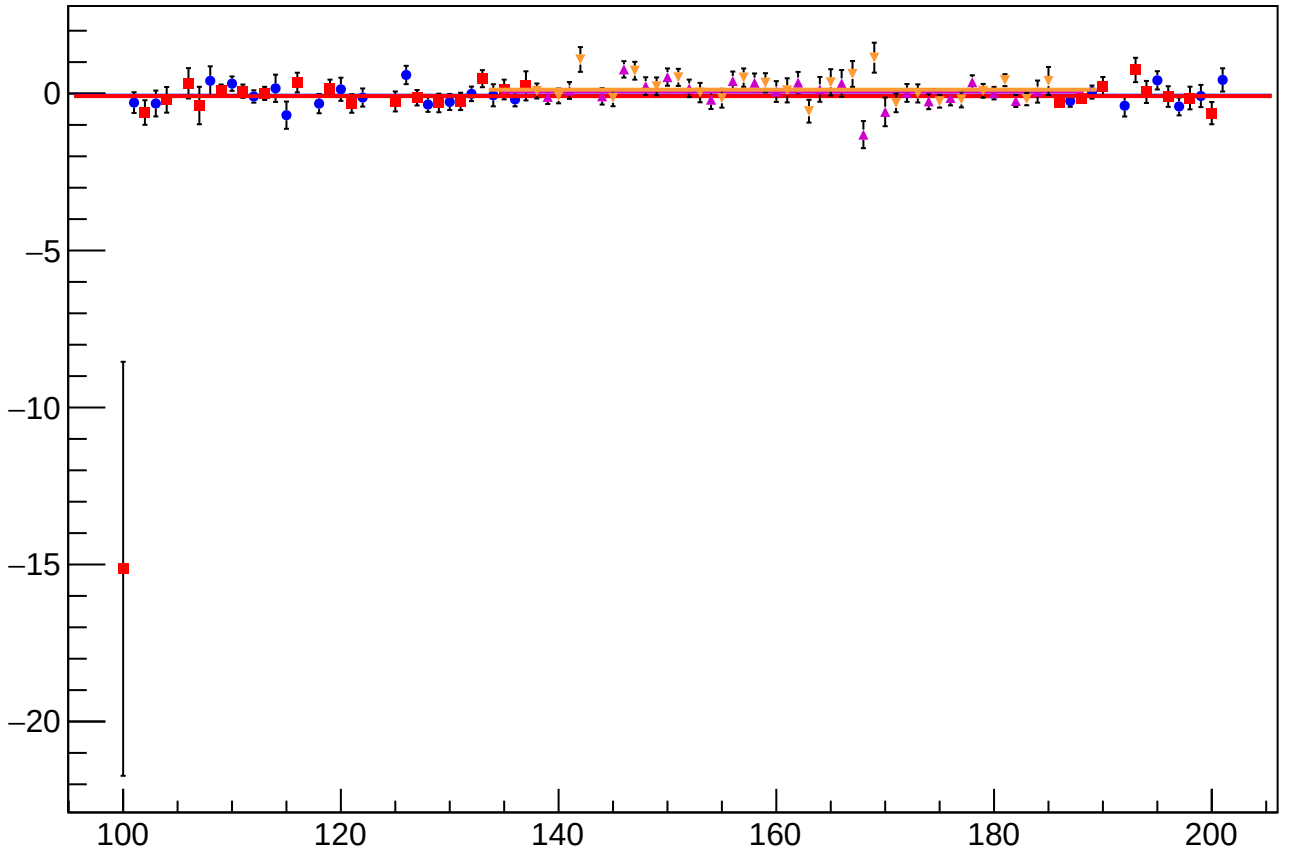
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.025+/-0.002 χ^2/NDF: 22325.9/48

In: 0.026+/-0.002 χ^2/NDF:58.7/45

Out: 0.026+/-0.002 χ^2/NDF:22338.3/49

All: 0.026+/-0.001 χ^2/NDF: 22397.0/95



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: -0.083+/-0.049 χ^2/NDF: 30.9/25

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

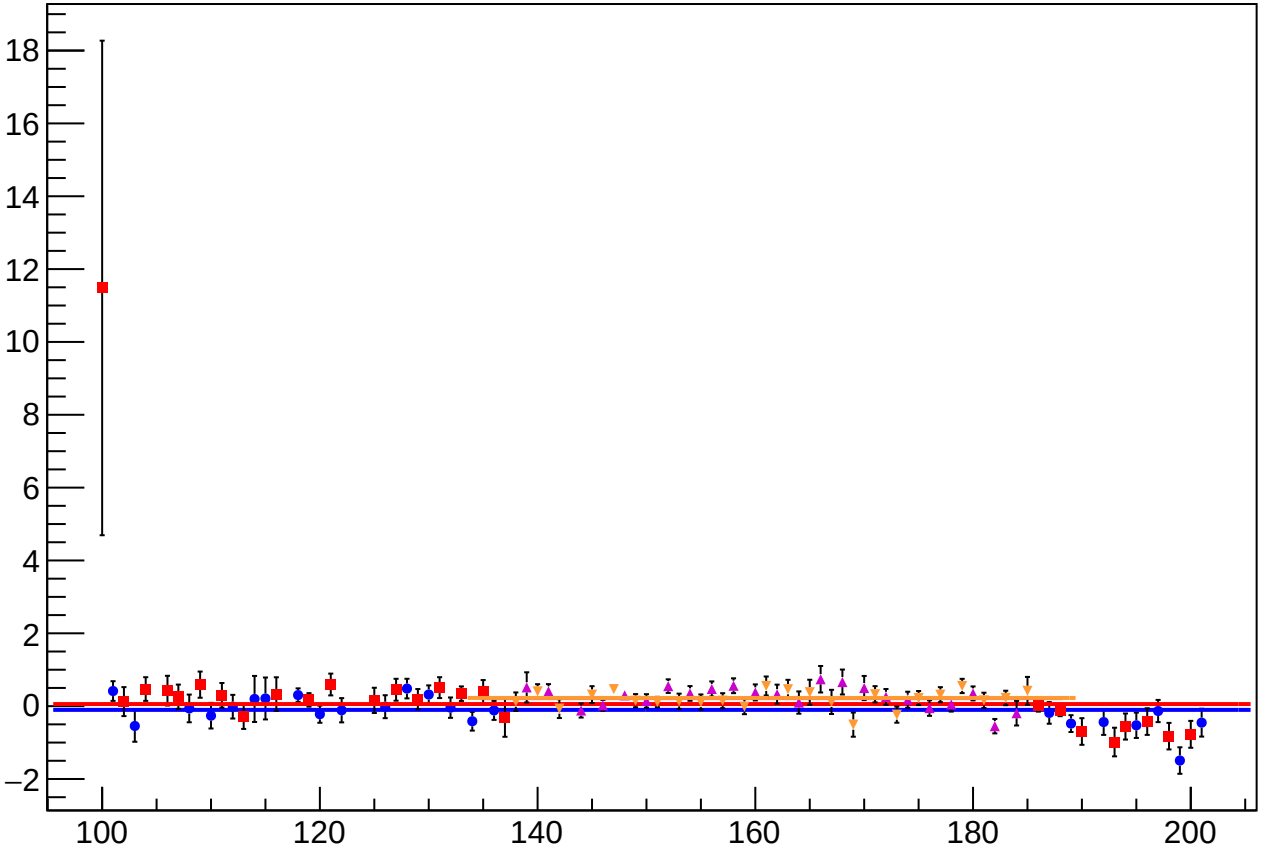
Right: -0.078+/-0.038 χ^2/NDF: 54.6/48

In: -0.003+/-0.041 χ^2/NDF:60.6/45

Out: 0.005+/-0.037 χ^2/NDF:78.0/49

All: 0.001+/-0.028 χ^2/NDF: 138.6/95

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: 0.057+/-0.056 χ^2/NDF: 50.1/25

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

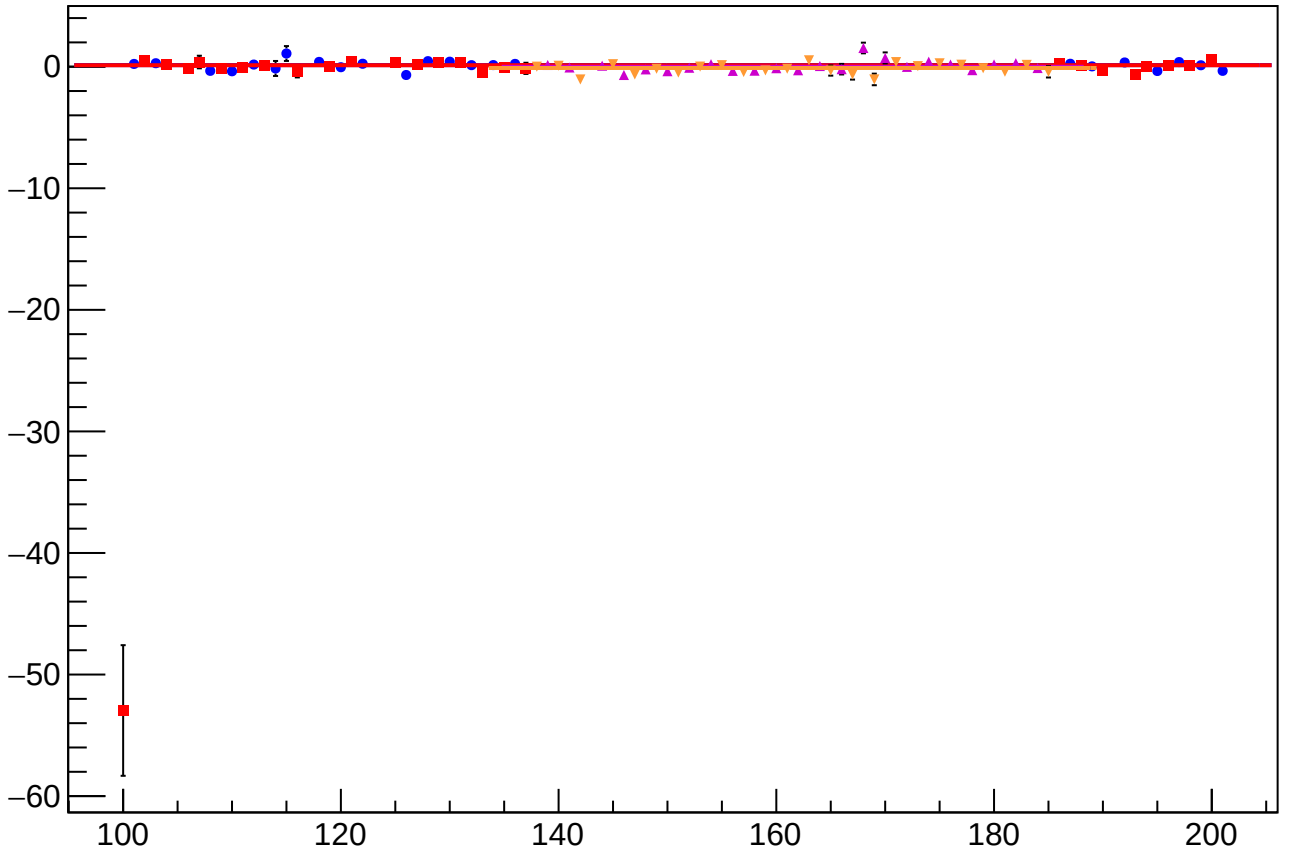
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.015+/-0.042 χ^2/NDF: 94.0/48

In: 0.112+/-0.036 χ^2/NDF:97.6/45

Out: 0.163+/-0.034 χ^2/NDF:79.7/49

All: 0.139+/-0.025 χ^2/NDF: 178.4/95



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: 0.122+/-0.047 χ^2/NDF: 120.4/25

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

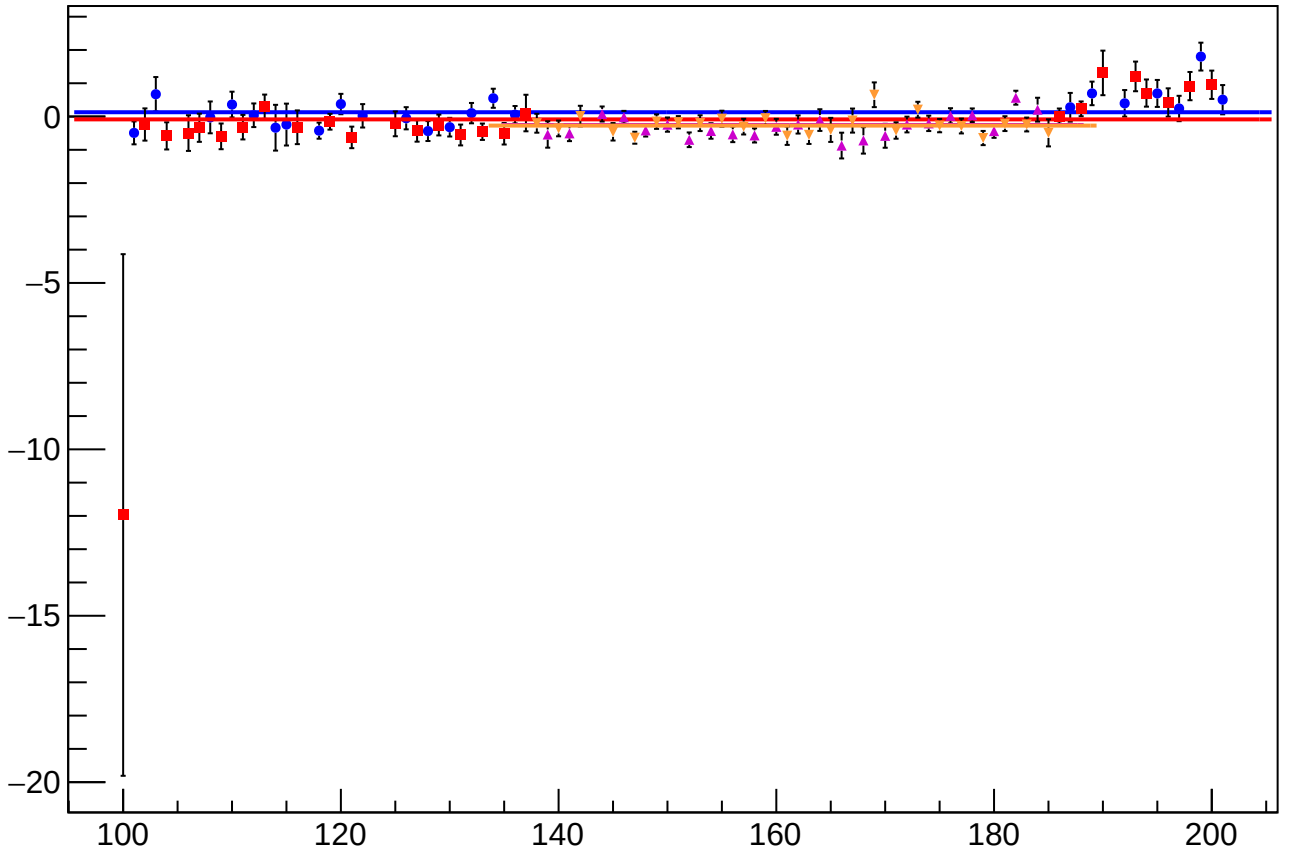
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.126+/-0.036 χ^2/NDF: 144.5/48

In: 0.061+/-0.041 χ^2/NDF:65.1/45

Out: 0.029+/-0.036 χ^2/NDF:167.6/49

All: 0.043+/-0.027 χ^2/NDF: 233.0/95



Right In: 0.129+/-0.073 χ^2/NDF: 42.2/22

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.086+/-0.069 χ^2/NDF: 50.8/25

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

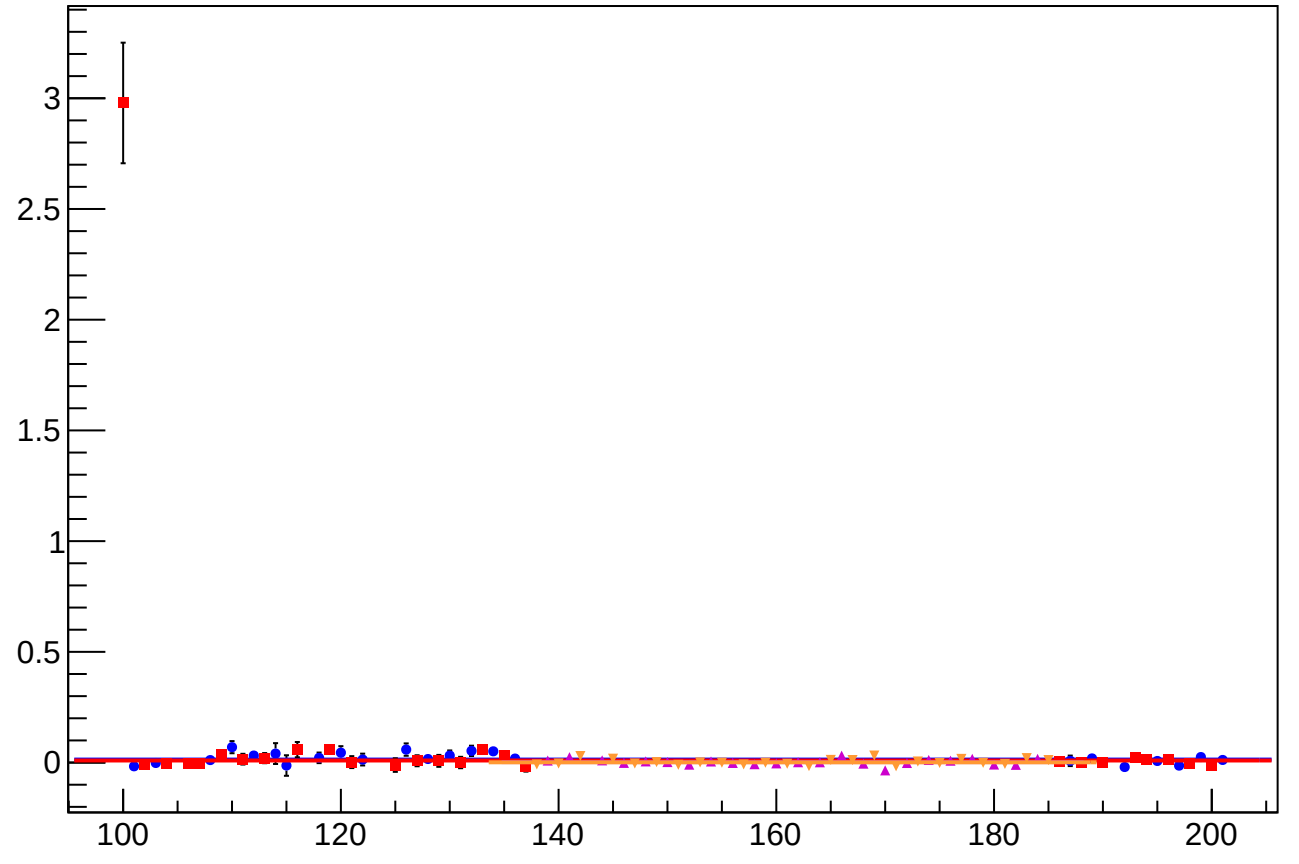
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.016+/-0.050 χ^2/NDF: 97.6/48

In: -0.132+/-0.041 χ^2/NDF:101.4/45

Out: -0.209+/-0.040 χ^2/NDF:80.5/49

All: -0.172+/-0.029 χ^2/NDF: 183.7/95



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: 148.7/25

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

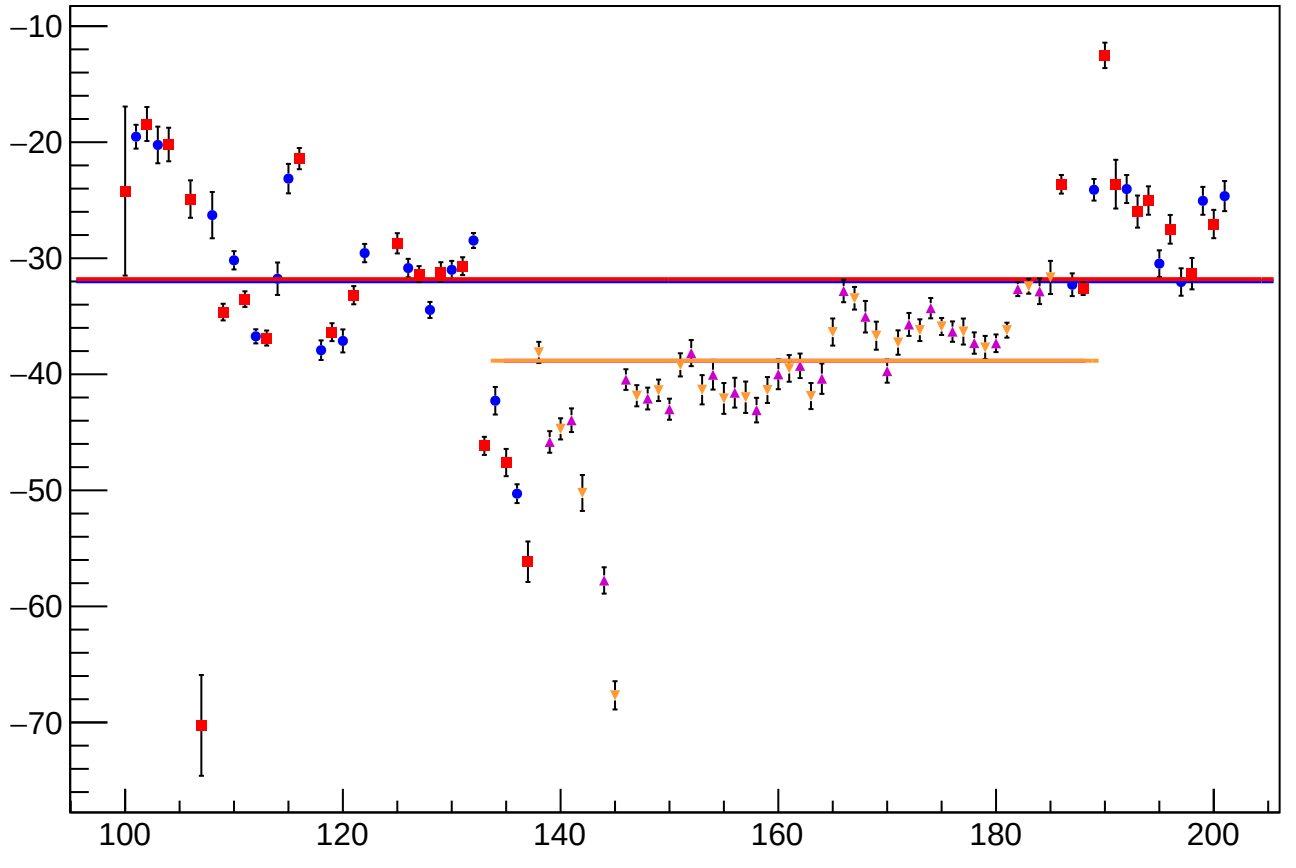
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 187.3/48

In: 0.005+/-0.002 χ^2/NDF:69.7/45

Out: 0.004+/-0.002 χ^2/NDF:179.5/49

All: 0.005+/-0.001 χ^2/NDF: 249.8/95



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: -31.802+/-0.181 χ^2/NDF: 1736.2/26

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

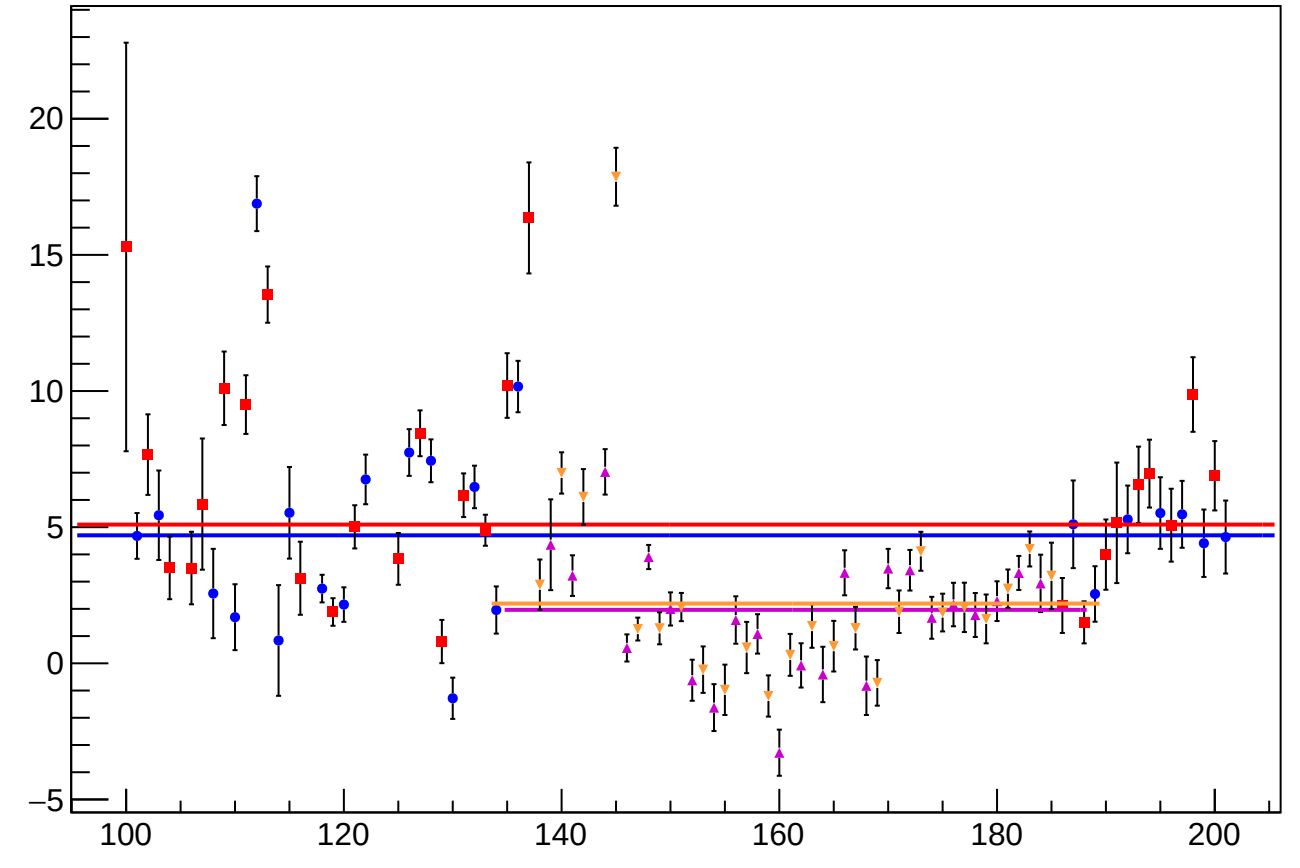
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.887+/-0.132 χ^2/NDF: 2961.3/49

In: -35.240+/-0.140 χ^2/NDF:2474.0/45

Out: -34.924+/-0.135 χ^2/NDF:3325.4/50

All: -35.076+/-0.097 χ^2/NDF: 5802.0/96



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: 5.095+/-0.195 χ^2/NDF: 294.3/26

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

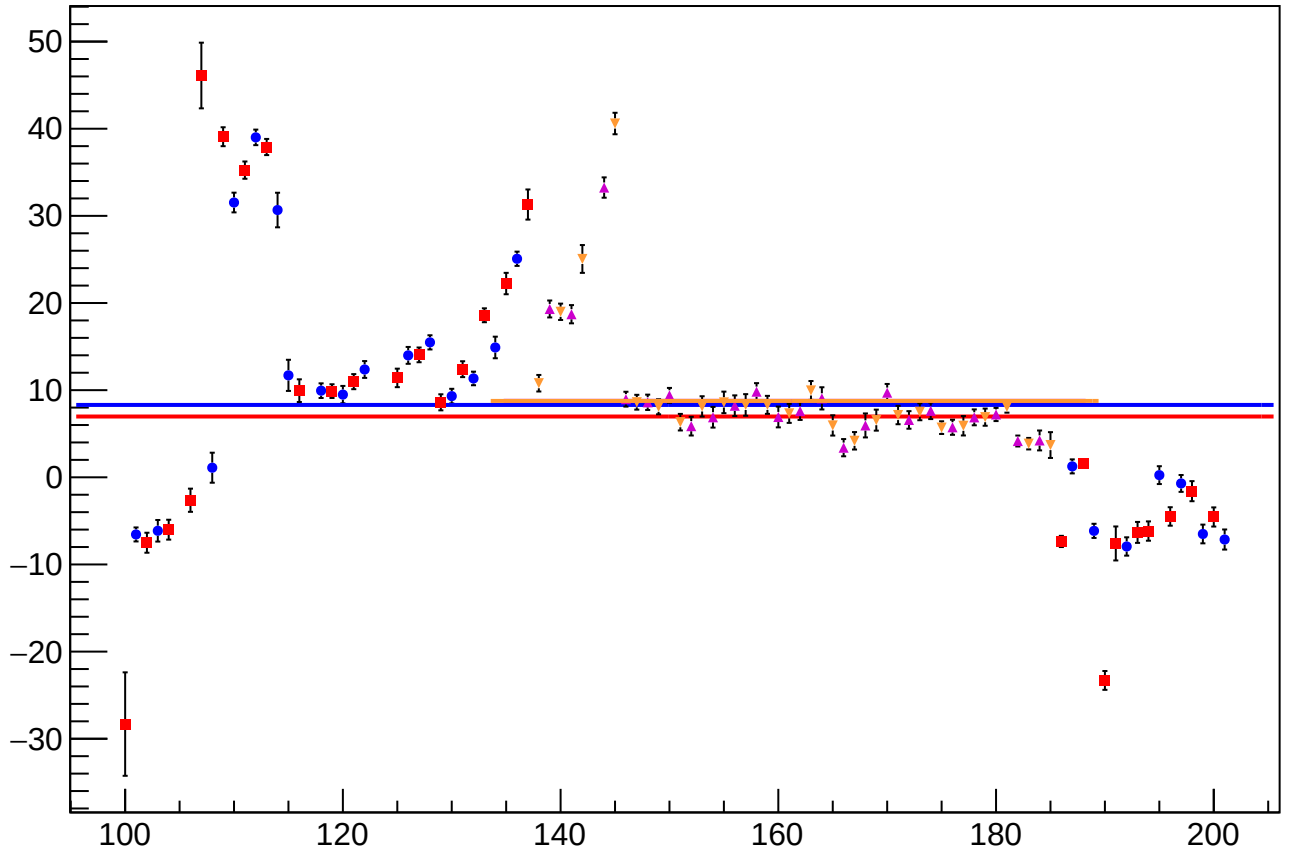
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.902+/-0.139 χ^2/NDF: 631.5/49

In: 2.995+/-0.122 χ^2/NDF:626.3/45

Out: 3.295+/-0.120 χ^2/NDF:797.1/50

All: 3.148+/-0.086 χ^2/NDF: 1426.5/96



Right In: 8.305+/-0.204 χ^2/NDF: 3985.0/22

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.976+/-0.187 χ^2/NDF: 6047.4/26

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

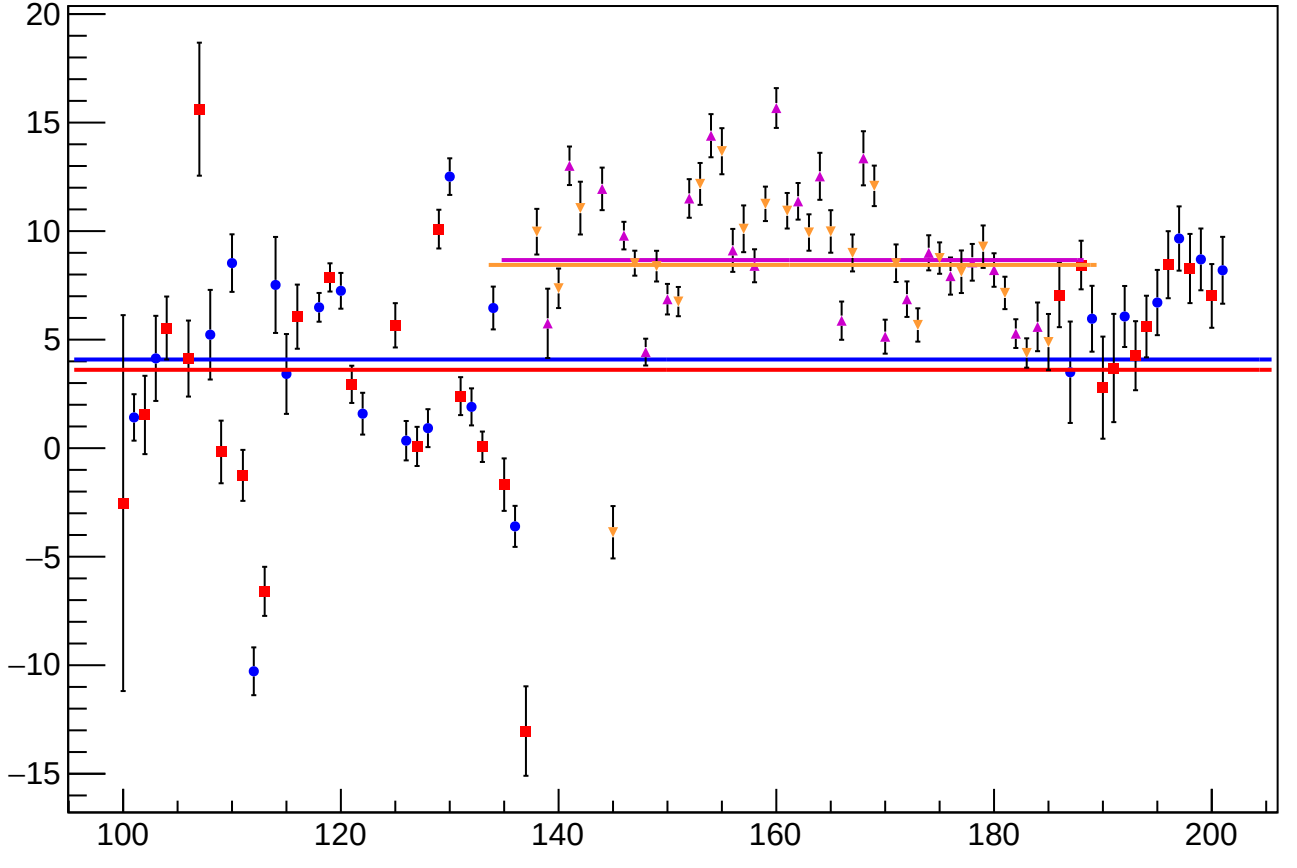
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 7.583+/-0.138 χ^2/NDF: 10055.4/49

In: 8.542+/-0.143 χ^2/NDF:4782.7/45

Out: 7.809+/-0.137 χ^2/NDF:7125.3/50

All: 8.159+/-0.099 χ^2/NDF: 11921.7/96



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: 3.610+/-0.230 χ^2/NDF: 404.8/26

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

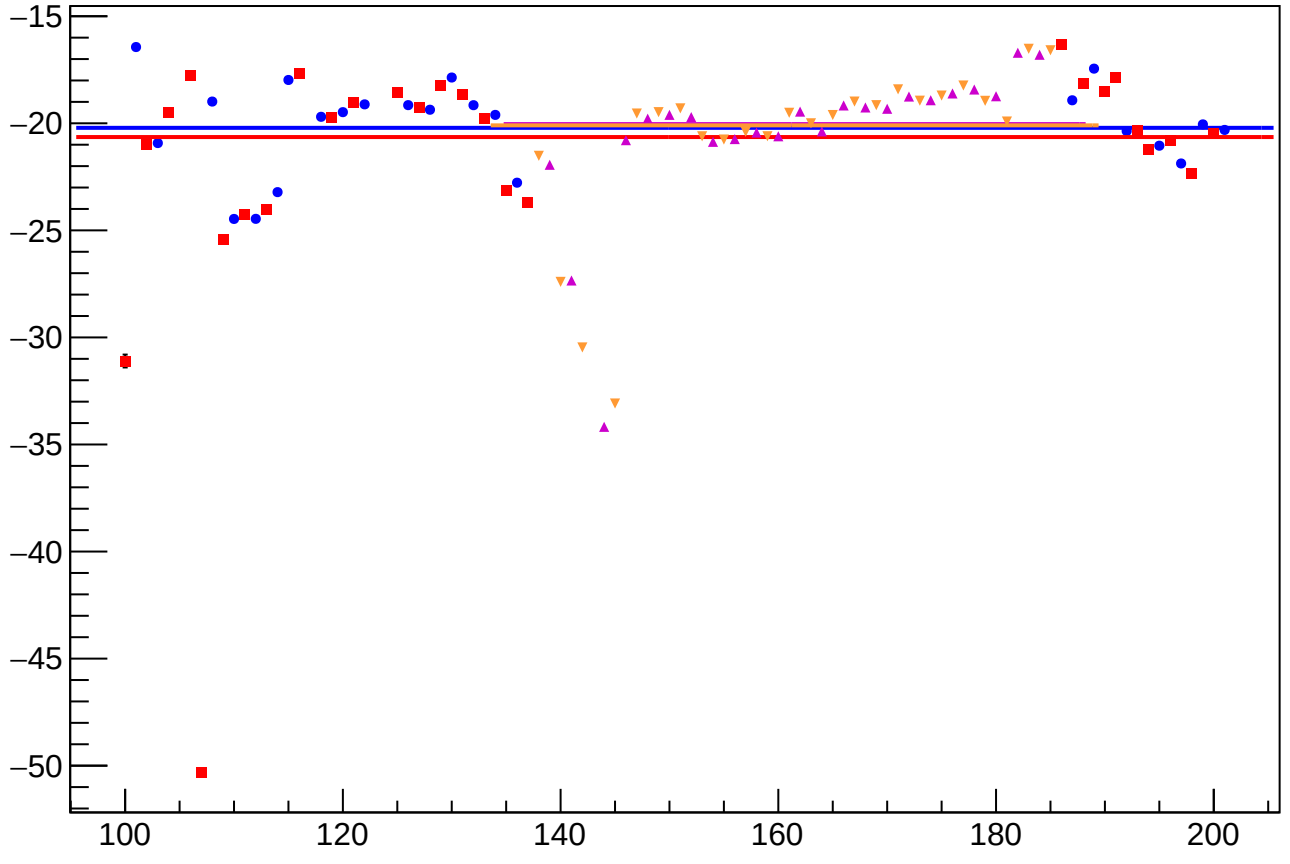
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.845+/-0.164 χ^2/NDF: 878.7/49

In: 7.003+/-0.140 χ^2/NDF:1023.5/45

Out: 6.691+/-0.139 χ^2/NDF:950.1/50

All: 6.845+/-0.099 χ^2/NDF: 1976.1/96



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: -20.642+/-0.012 χ^2/NDF: 66221.3/26

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

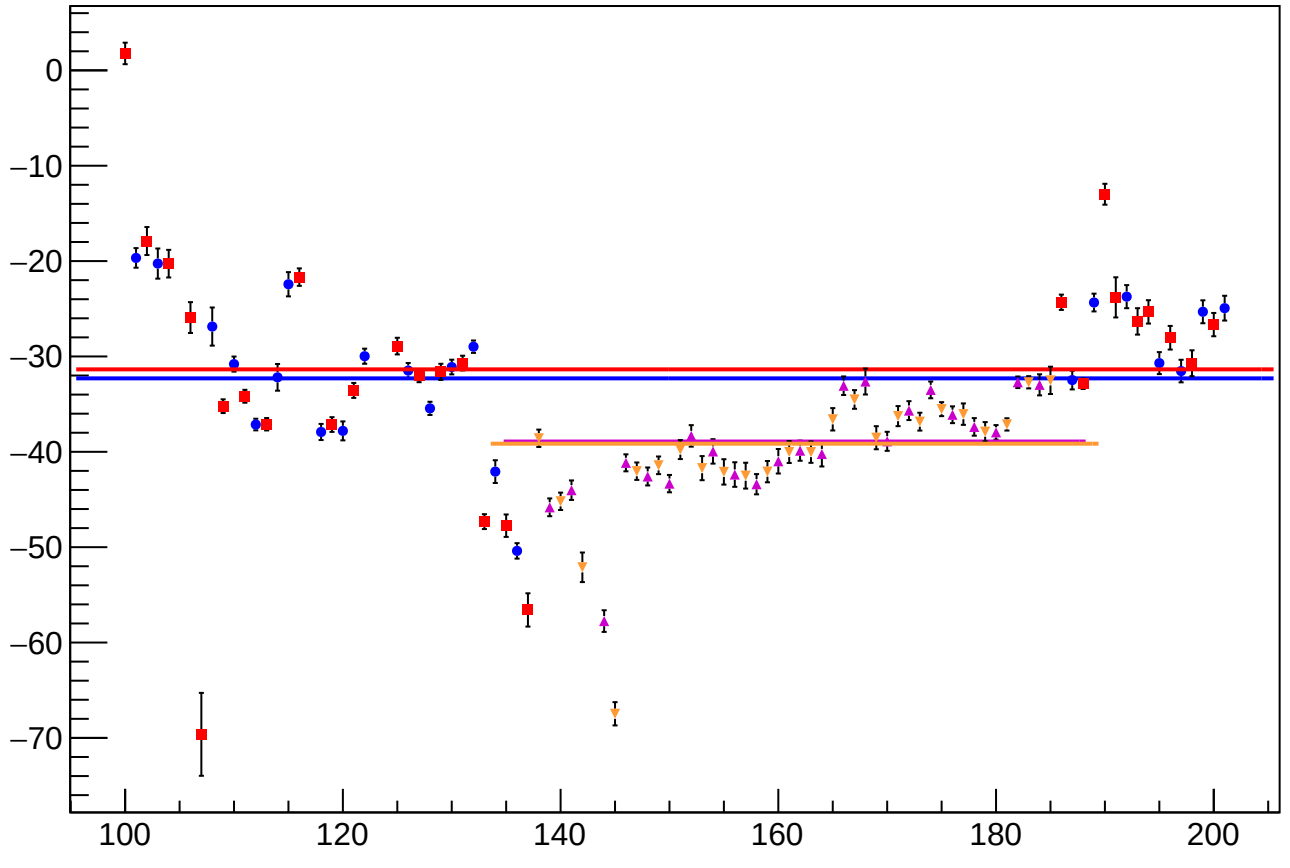
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.430+/-0.008 χ^2/NDF: 90628.1/49

In: -20.089+/-0.007 χ^2/NDF:156201.5/45

Out: -20.263+/-0.007 χ^2/NDF:226971.7/50

All: -20.177+/-0.005 χ^2/NDF: 383519.5/96



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: -31.353+/-0.179 χ^2/NDF: 2663.2/26

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

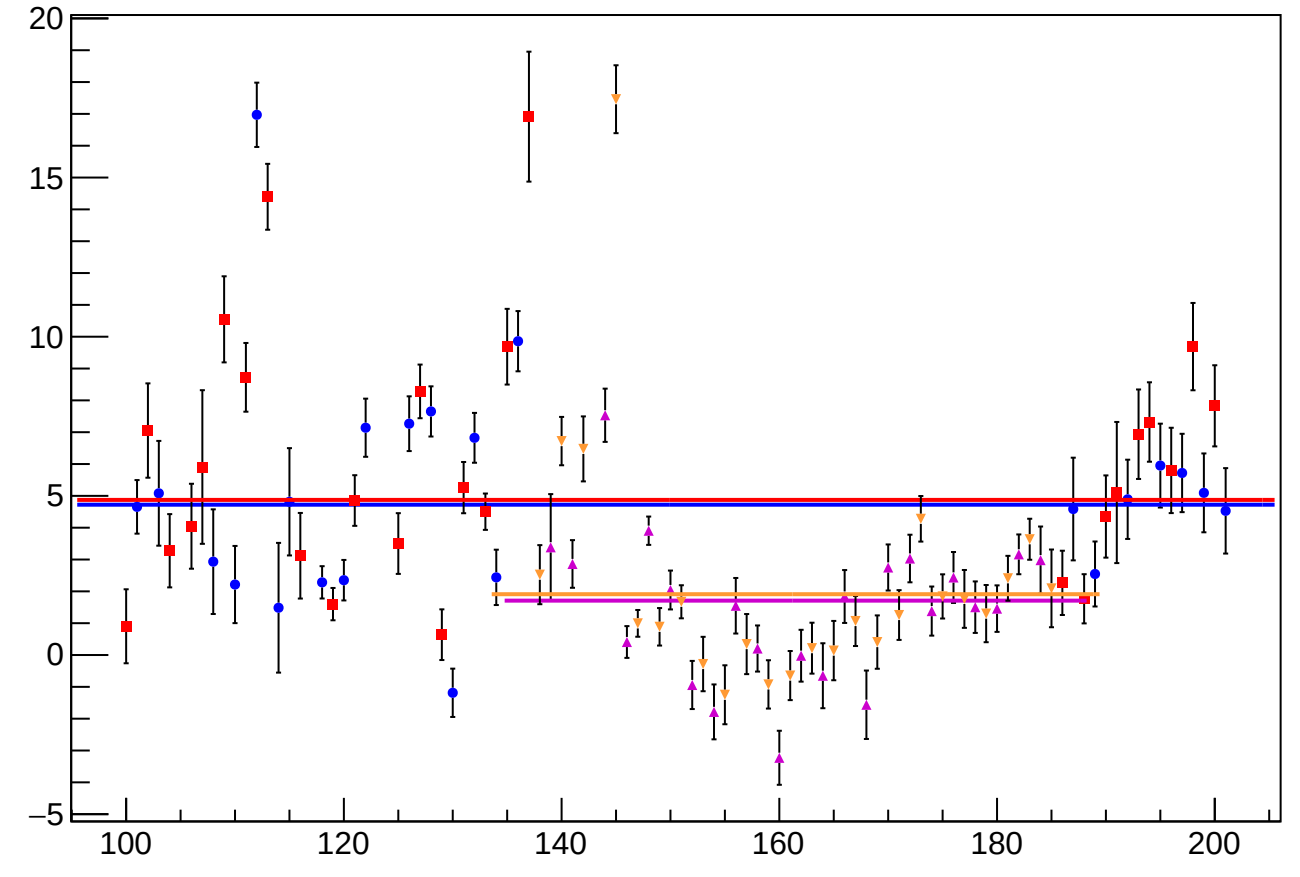
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.787+/-0.131 χ^2/NDF: 3907.6/49

In: -35.447+/-0.140 χ^2/NDF:2470.1/45

Out: -34.768+/-0.134 χ^2/NDF:4395.1/50

All: -35.091+/-0.097 χ^2/NDF: 6877.4/96



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: 4.873+/-0.192 χ^2/NDF: 320.3/26

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

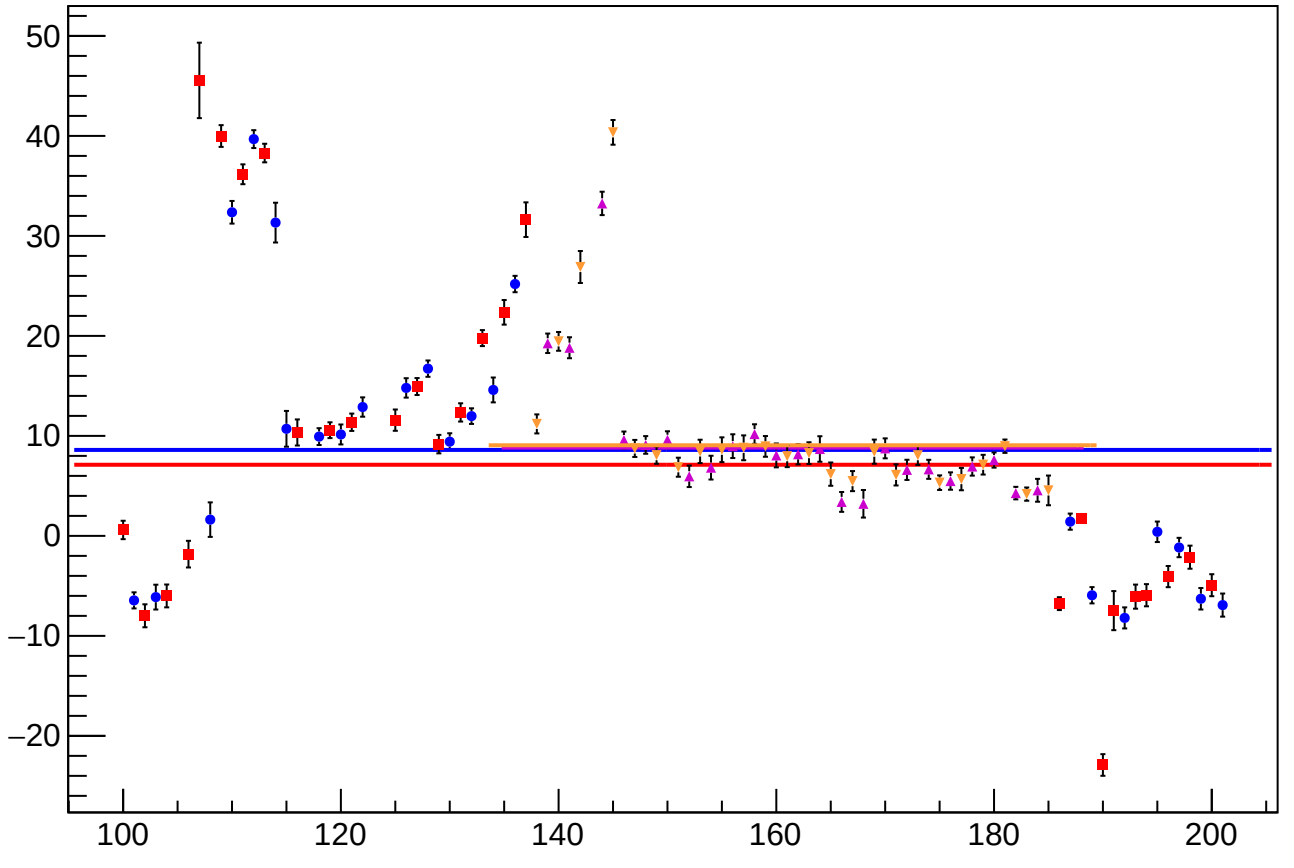
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.801+/-0.138 χ^2/NDF: 652.5/49

In: 2.844+/-0.122 χ^2/NDF:657.0/45

Out: 3.053+/-0.120 χ^2/NDF:825.1/50

All: 2.951+/-0.086 χ^2/NDF: 1483.6/96



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: 7.113+/-0.184 χ^2/NDF: 6182.0/26

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

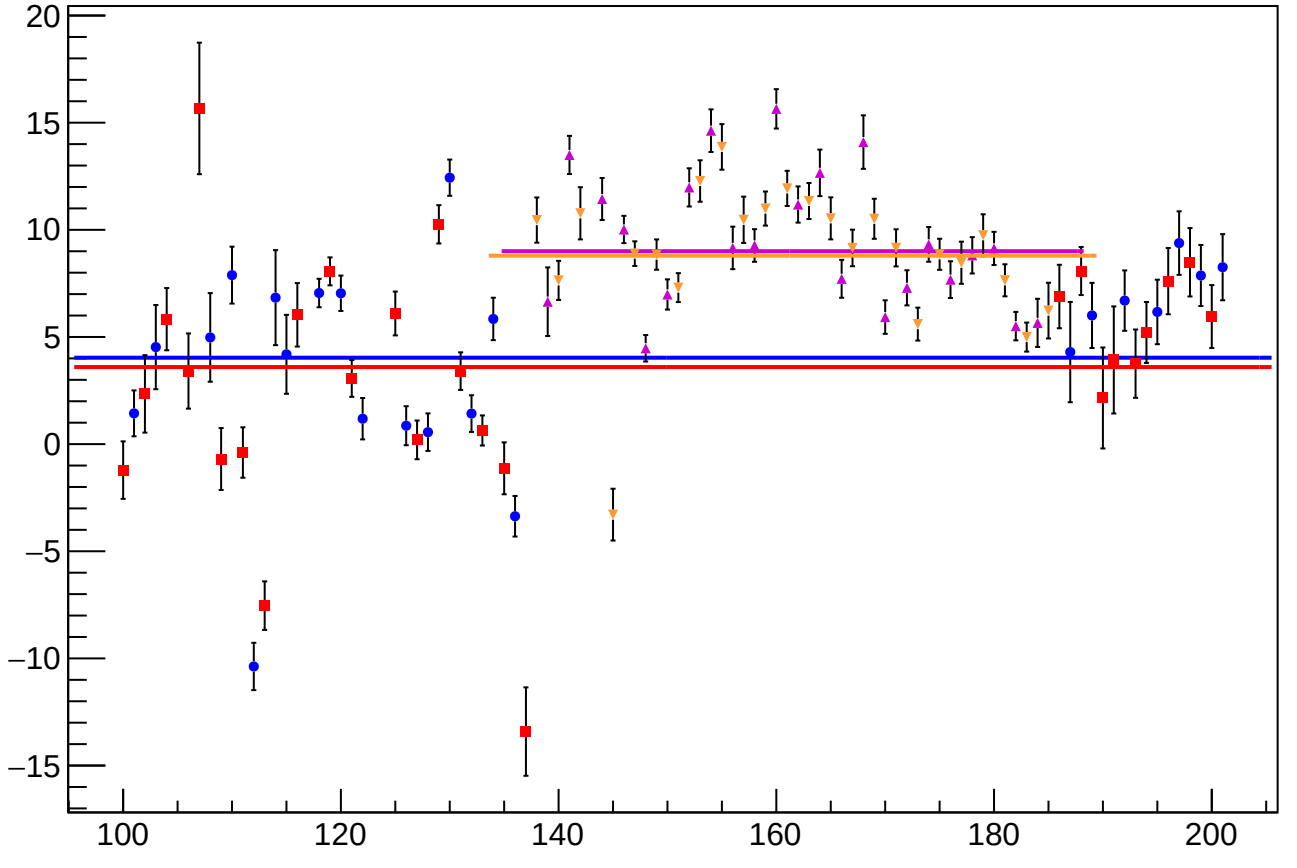
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

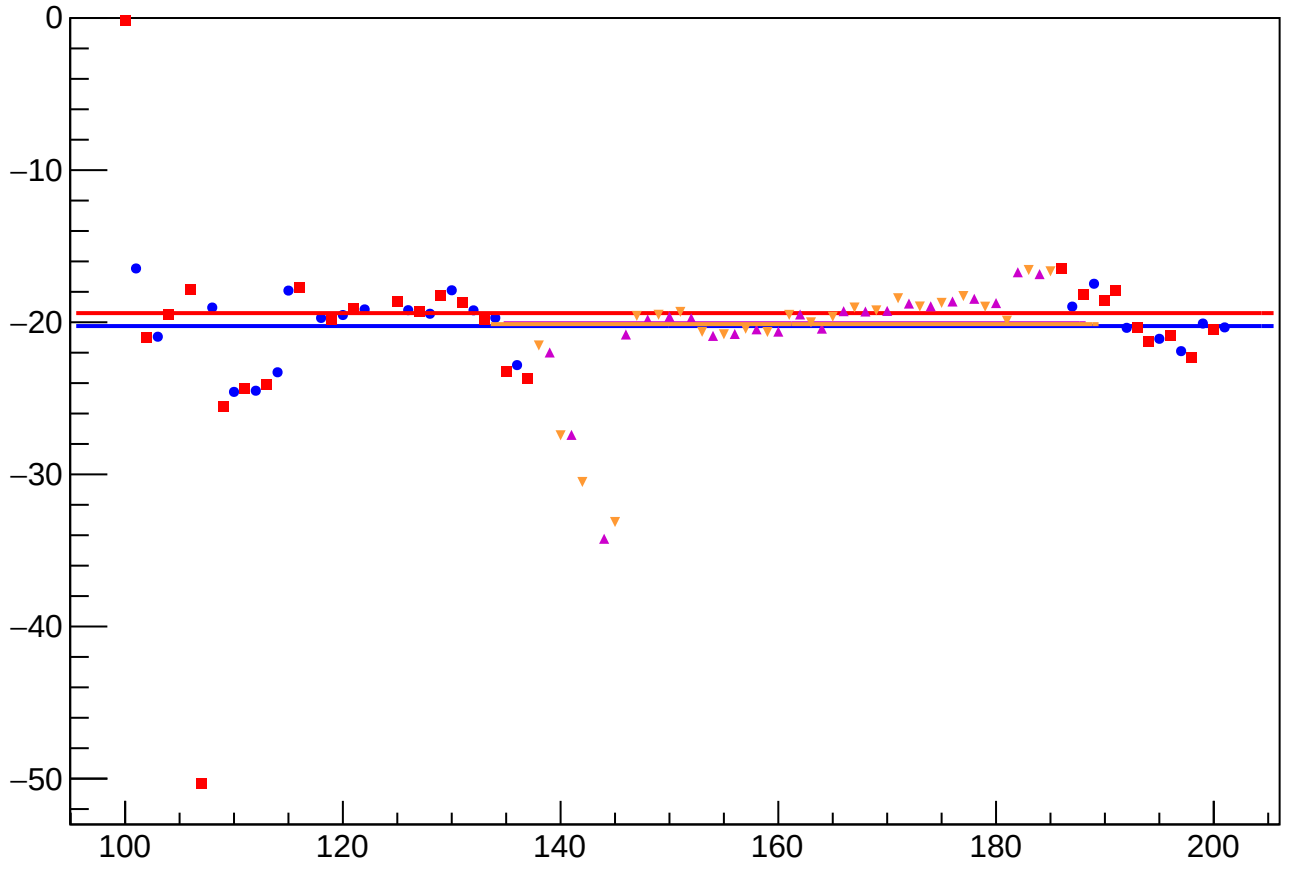
Right: 7.776+/-0.137 χ^2/NDF: 10308.2/49

In: 8.713+/-0.144 χ^2/NDF:4899.0/45

Out: 8.001+/-0.136 χ^2/NDF:7266.7/50

All: 8.336+/-0.099 χ^2/NDF: 12178.8/96


reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 4.032+/-0.233 χ²/NDF: 464.6/22
Left Out: 8.793+/-0.174 χ²/NDF:244.1/23
Right Out: 3.597+/-0.227 χ²/NDF: 416.0/26
Left In: 9.004+/-0.176 χ²/NDF:289.6/22
Left: 8.897+/-0.124 χ²/NDF: 534.4/46
Right: 3.809+/-0.163 χ²/NDF: 882.4/49
In: 7.199+/-0.140 χ²/NDF:1044.0/45
Out: 6.876+/-0.138 χ²/NDF:989.6/50
All: 7.035+/-0.098 χ²/NDF: 2036.2/96



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: -19.399+/-0.012 χ^2/NDF: 246370.4/26

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

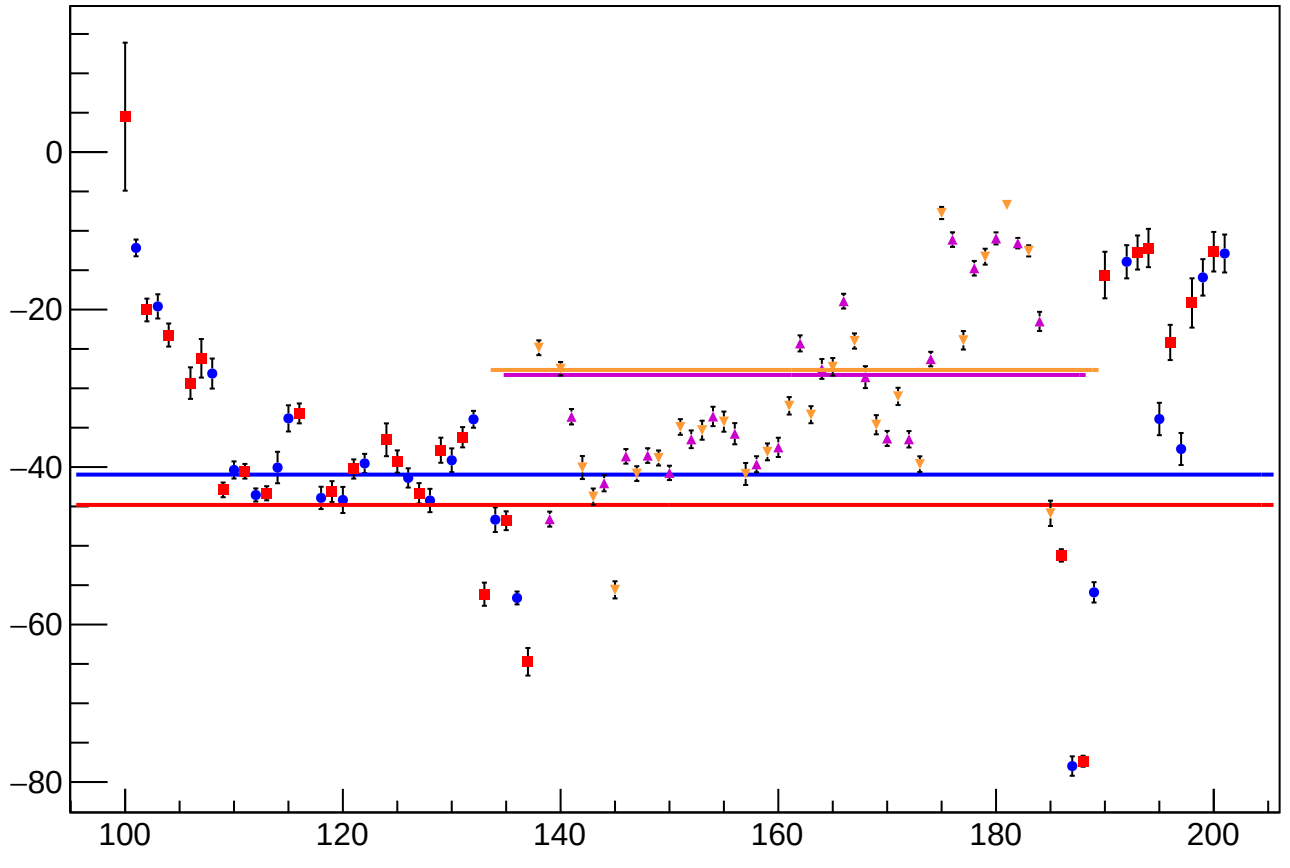
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.805+/-0.008 χ^2/NDF: 272721.8/49

In: -20.119+/-0.007 χ^2/NDF:156628.9/45

Out: -19.892+/-0.007 χ^2/NDF:407614.4/50

All: -20.004+/-0.005 χ^2/NDF: 564838.7/96



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: -44.811+/-0.256 χ^2/NDF: 4139.0/26

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

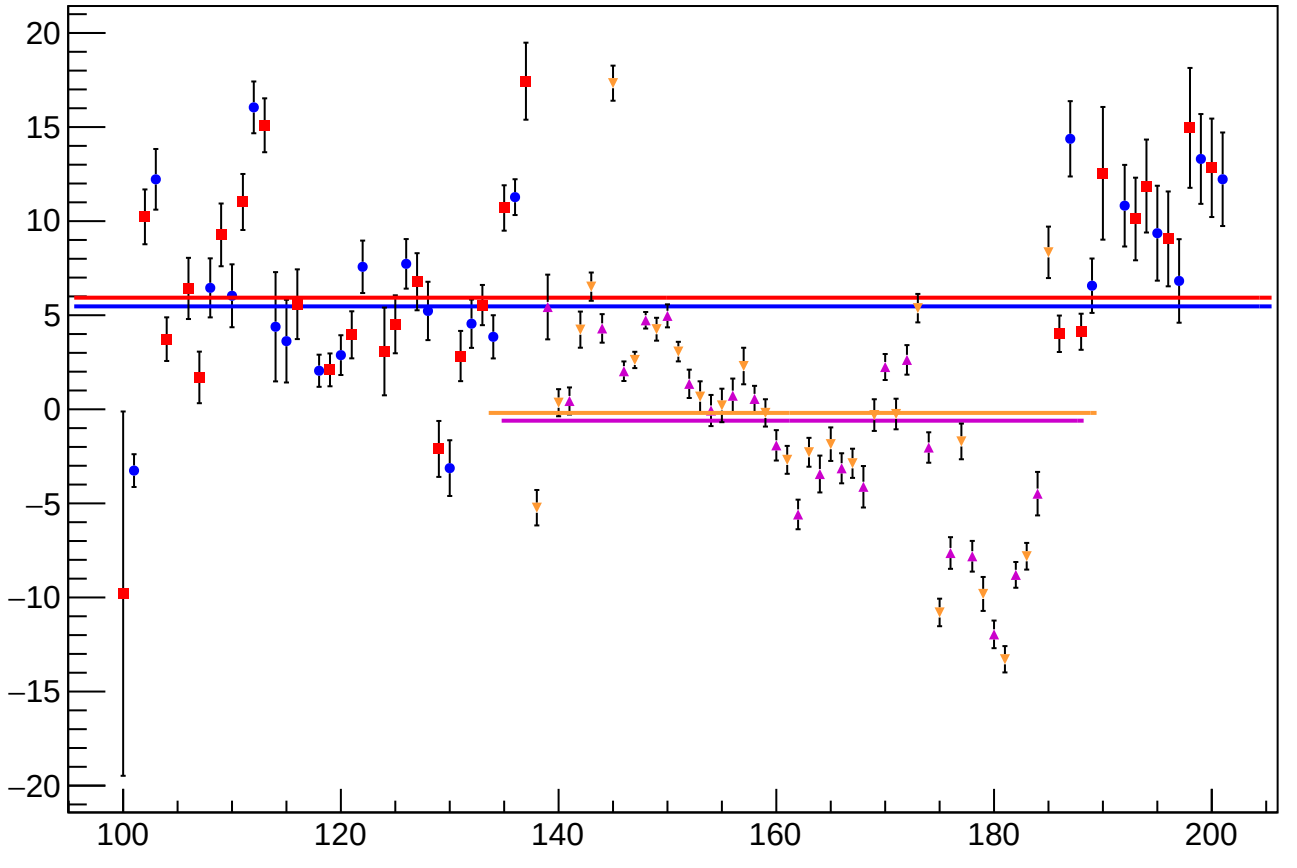
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -43.062+/-0.189 χ^2/NDF: 7145.6/49

In: -32.724+/-0.166 χ^2/NDF:7498.9/45

Out: -34.181+/-0.158 χ^2/NDF:11314.3/51

All: -33.489+/-0.114 χ^2/NDF: 18853.7/97



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: 5.932+/-0.282 χ^2/NDF: 224.6/26

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

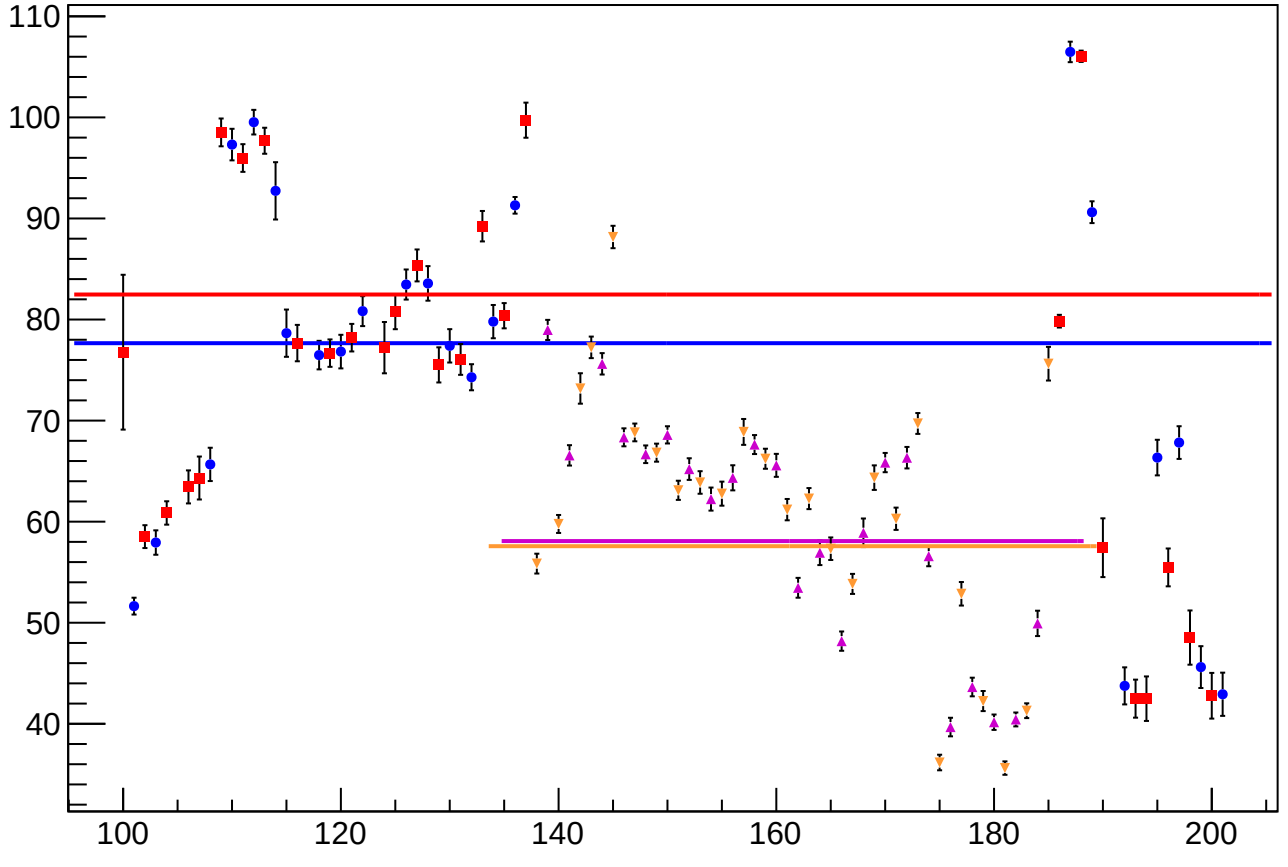
Right: 5.710+/-0.203 χ^2/NDF: 552.3/49

In: 0.726+/-0.137 χ^2/NDF:1637.0/45

Out: 1.157+/-0.133 χ^2/NDF:2136.6/51

All: 0.949+/-0.095 χ^2/NDF: 3778.7/97

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 82.475+/-0.256 χ^2/NDF: 4909.3/26

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

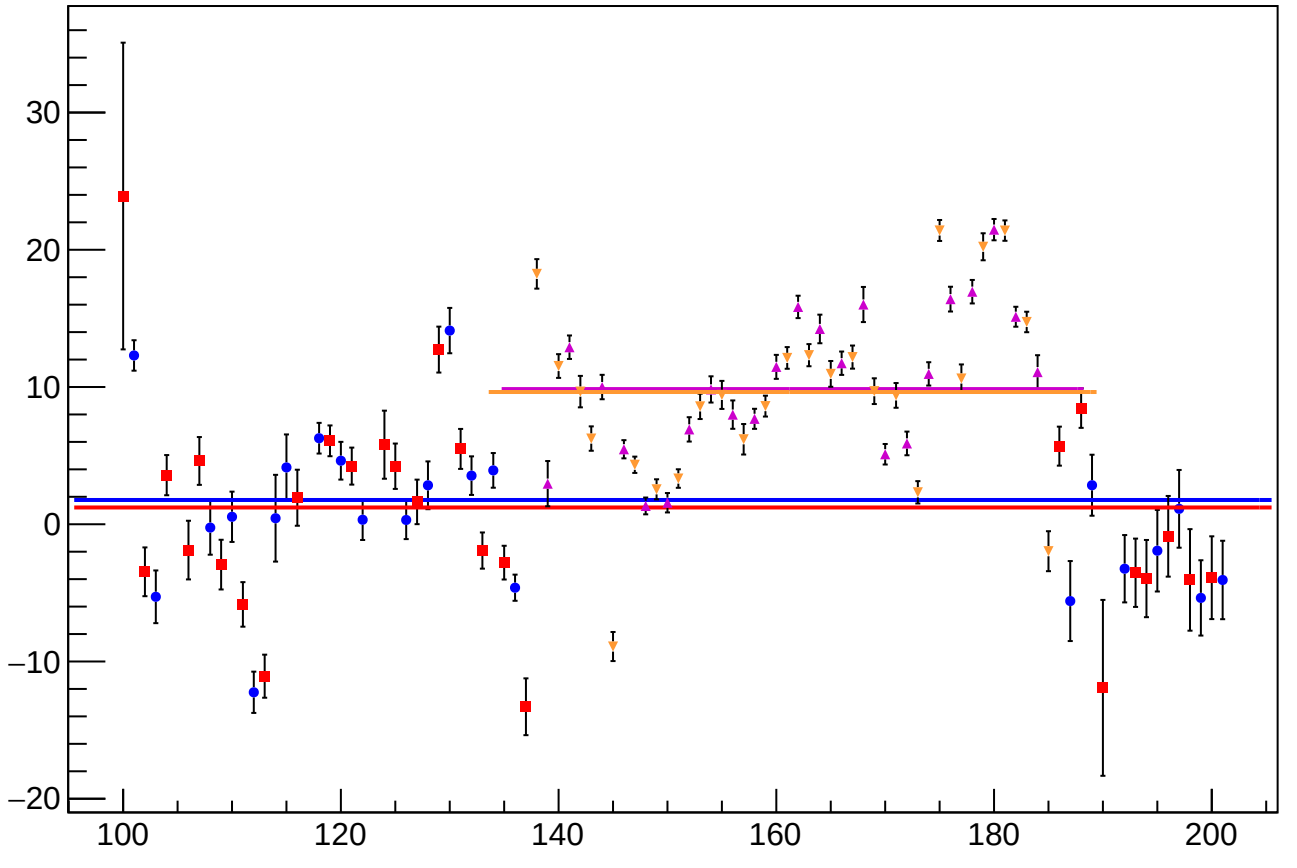
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 80.343+/-0.191 χ^2/NDF: 9062.8/49

In: 64.614+/-0.166 χ^2/NDF:10646.2/45

Out: 66.941+/-0.157 χ^2/NDF:15487.0/51

All: 65.842+/-0.114 χ^2/NDF: 26236.7/97



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: 1.222+/-0.337 χ^2/NDF: 309.1/26

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

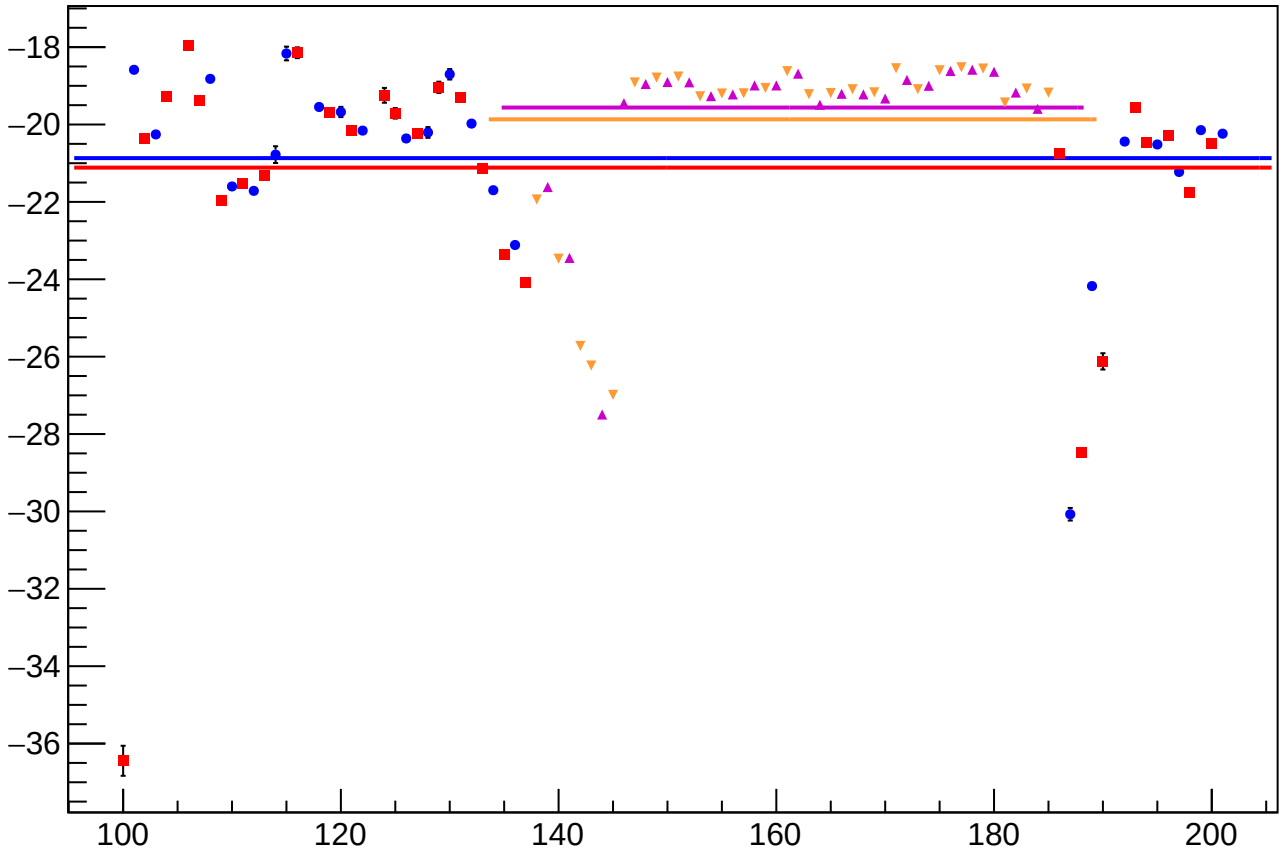
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.491+/-0.240 χ^2/NDF: 655.0/49

In: 8.150+/-0.157 χ^2/NDF:1779.4/45

Out: 7.906+/-0.153 χ^2/NDF:2296.0/51

All: 8.025+/-0.109 χ^2/NDF: 4076.7/97



Right In: -20.868+/-0.017 χ^2/NDF: 12074.8/22

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.114+/-0.017 χ^2/NDF: 20000.3/26

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

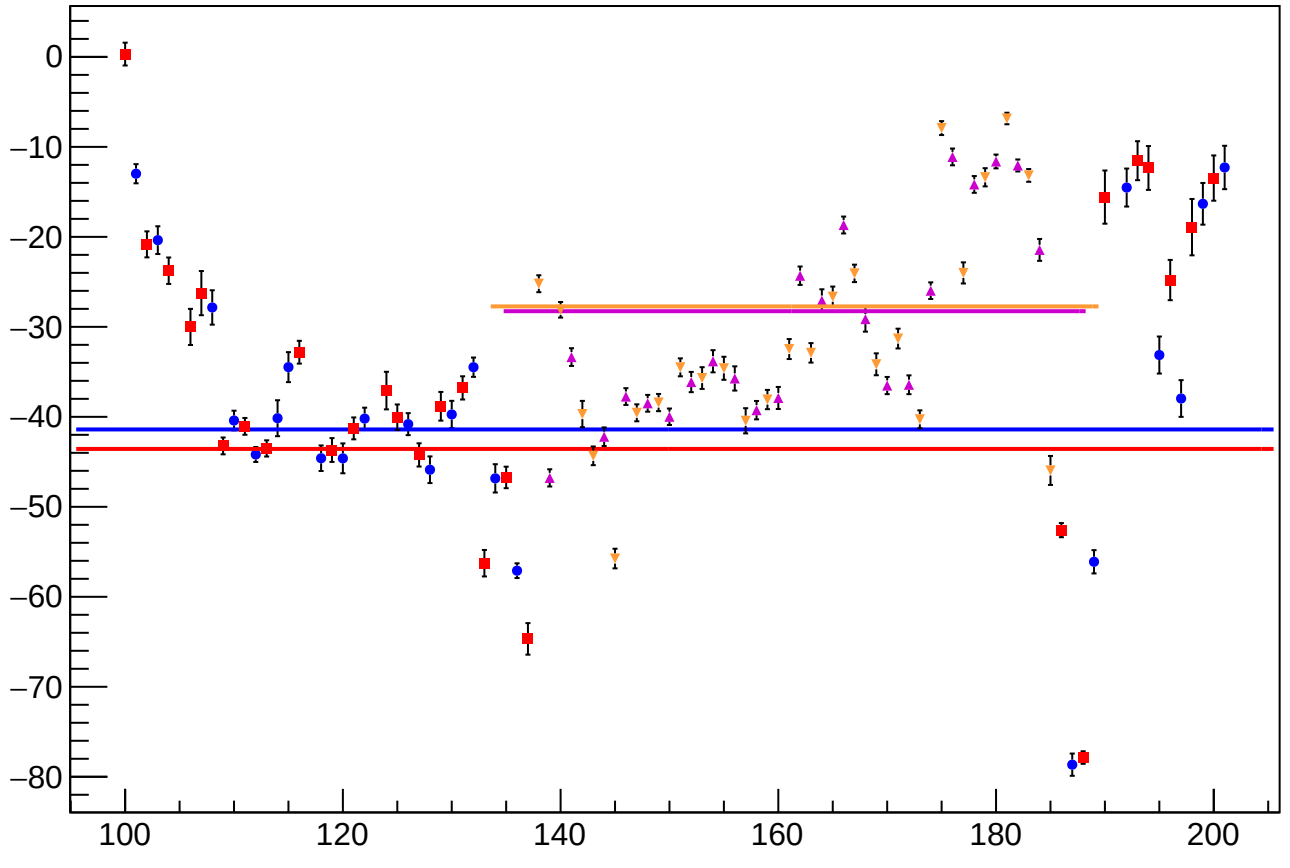
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.990+/-0.012 χ^2/NDF: 32178.5/49

In: -19.797+/-0.007 χ^2/NDF:62116.8/45

Out: -20.082+/-0.007 χ^2/NDF:103263.3/51

All: -19.941+/-0.005 χ^2/NDF: 166169.4/97



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: -43.566+/-0.251 χ^2/NDF: 5387.6/26

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

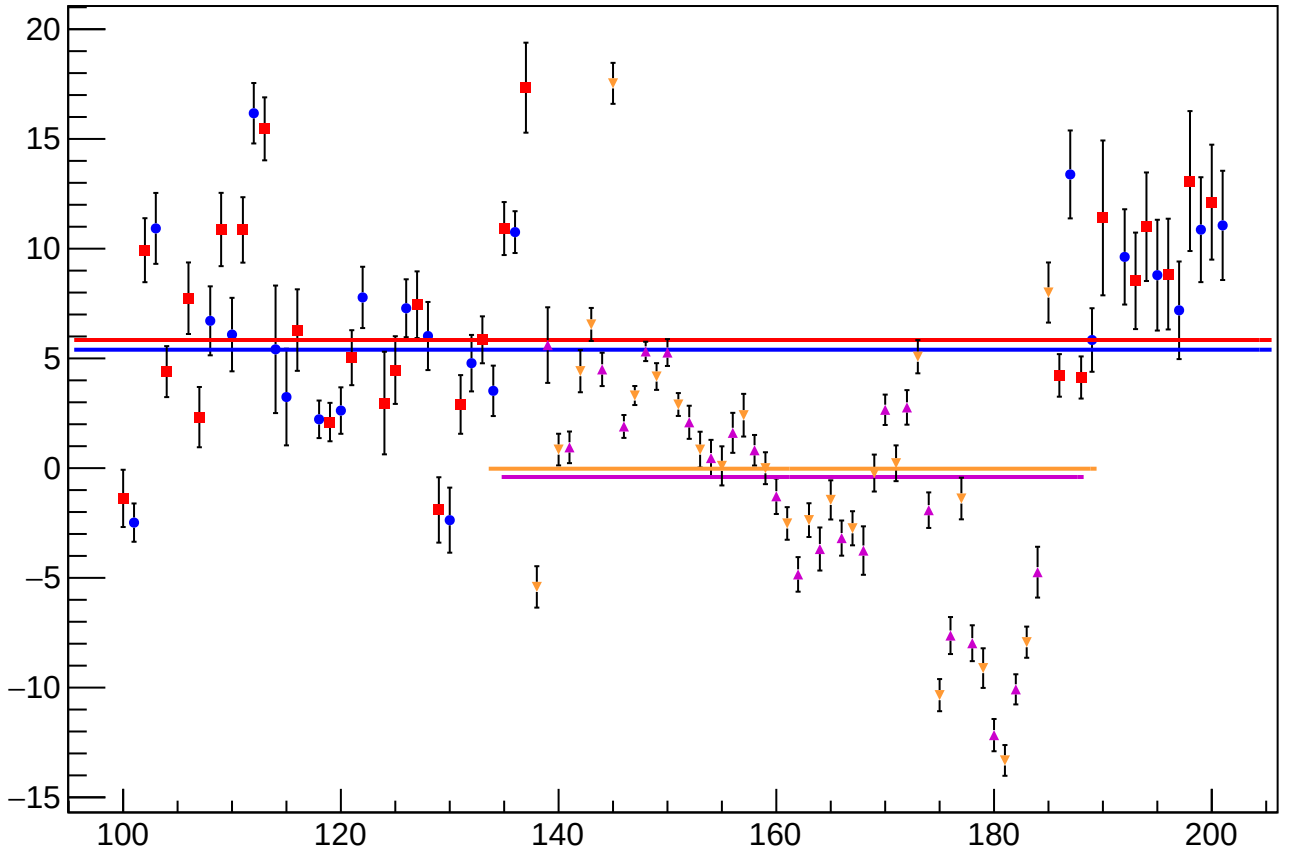
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

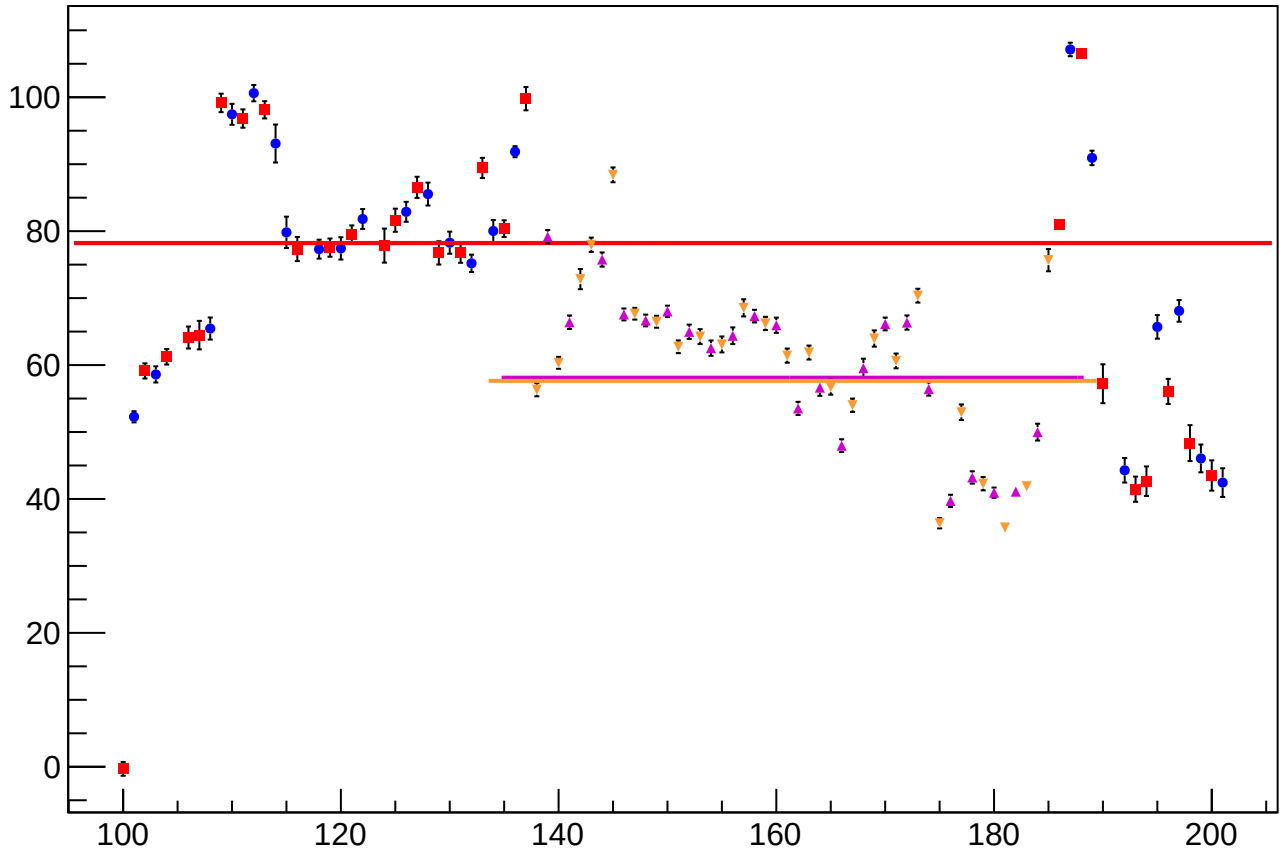
Right: -42.604+/-0.187 χ^2/NDF: 8321.8/49

In: -32.854+/-0.166 χ^2/NDF:7494.2/45

Out: -33.893+/-0.157 χ^2/NDF:12109.5/51

All: -33.404+/-0.114 χ^2/NDF: 19624.4/97


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 5.396+/-0.293 χ²/NDF: 276.6/22
Left Out: -0.026+/-0.150 χ²/NDF:1531.8/24
Right Out: 5.839+/-0.277 χ²/NDF: 243.1/26
Left In: -0.404+/-0.155 χ²/NDF:1084.1/22
Left: -0.208+/-0.108 χ²/NDF: 2618.9/47
Right: 5.630+/-0.201 χ²/NDF: 520.9/49
In: 0.868+/-0.137 χ²/NDF:1665.9/45
Out: 1.312+/-0.132 χ²/NDF:2122.0/51
All: 1.098+/-0.095 χ²/NDF: 3793.4/97



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: 78.242+/-0.249 χ^2/NDF: 11062.0/26

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

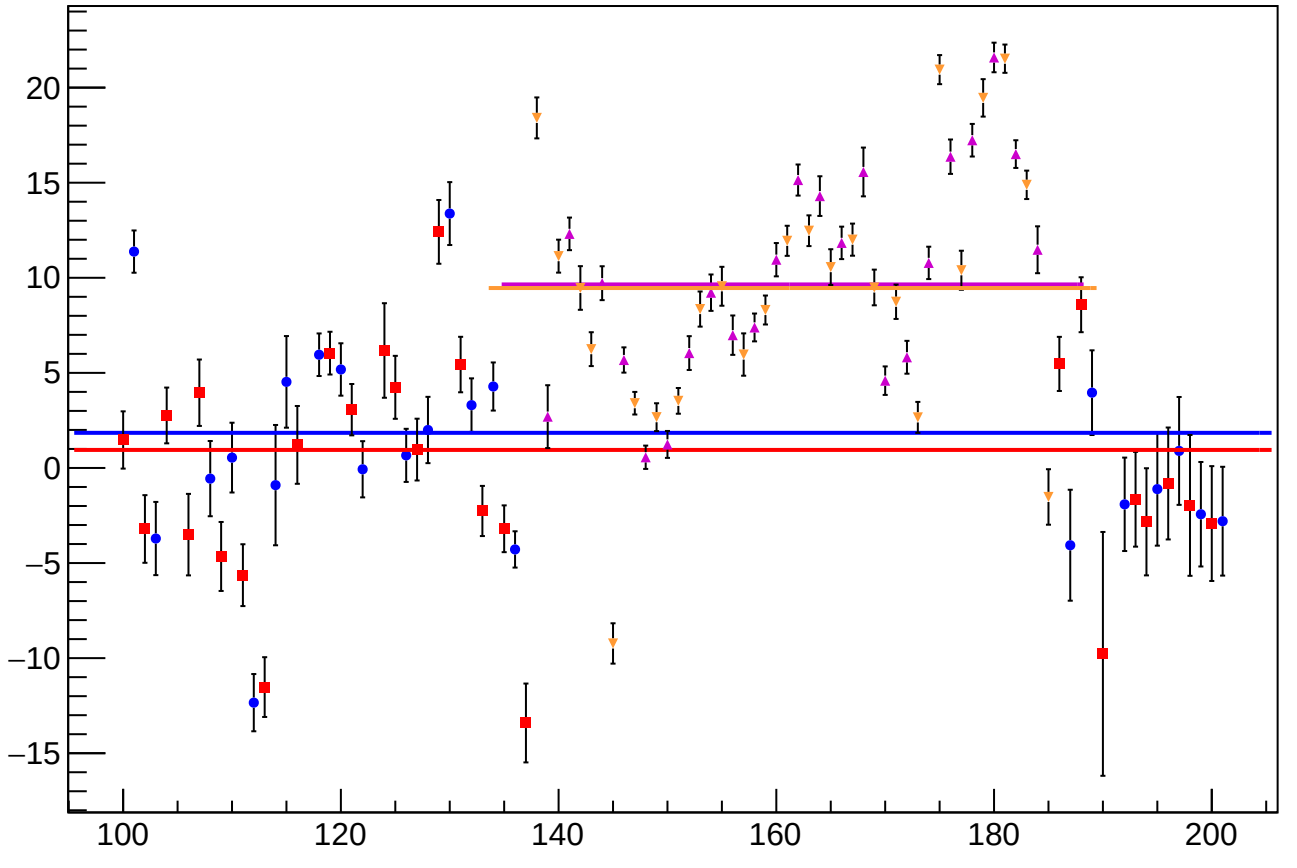
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

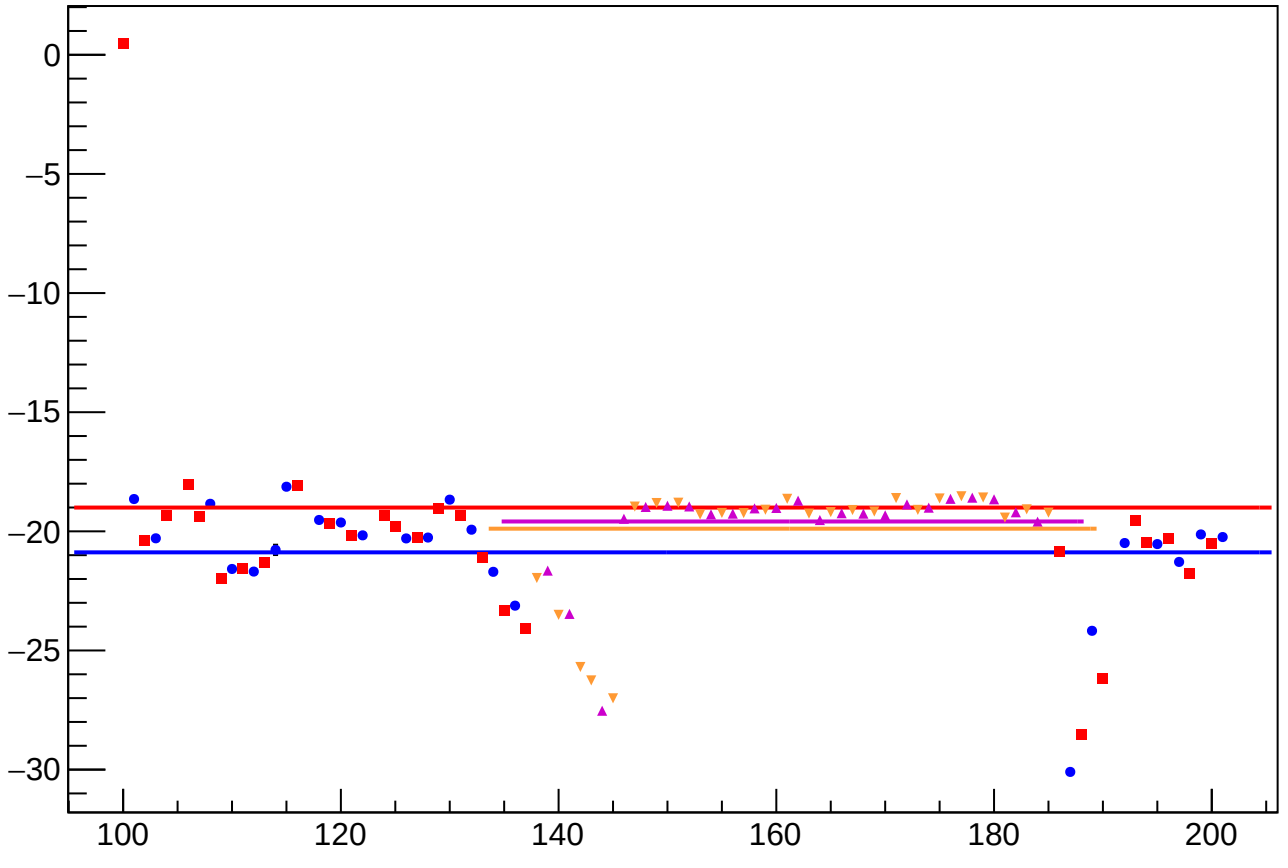
Right: 78.228+/-0.188 χ^2/NDF: 15086.0/49

In: 64.826+/-0.166 χ^2/NDF:10711.8/45

Out: 65.676+/-0.156 χ^2/NDF:19845.3/51

All: 65.279+/-0.114 χ^2/NDF: 30571.1/97


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 1.847+/-0.342 χ²/NDF: 304.6/22
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.948+/-0.329 χ²/NDF: 302.5/26
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 1.381+/-0.237 χ²/NDF: 610.7/49
In: 8.008+/-0.157 χ²/NDF:1793.8/45
Out: 7.643+/-0.152 χ²/NDF:2310.9/51
All: 7.820+/-0.109 χ²/NDF: 4107.5/97



Right In: -20.882+/-0.017 χ^2/NDF: 11951.7/22

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.002+/-0.016 χ^2/NDF: 171588.4/26

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

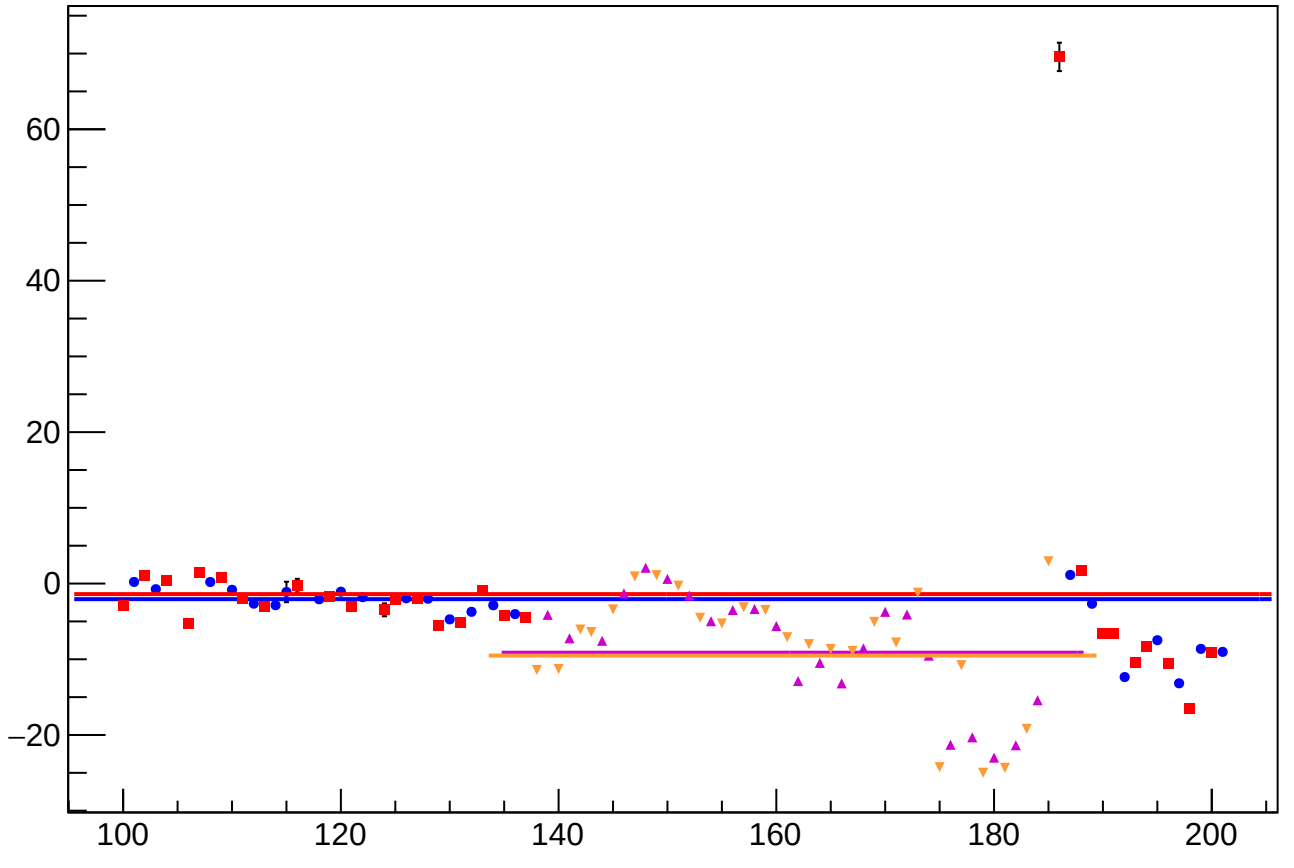
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.906+/-0.012 χ^2/NDF: 189904.4/49

In: -19.820+/-0.007 χ^2/NDF:61811.0/45

Out: -19.722+/-0.007 χ^2/NDF:252489.4/51

All: -19.770+/-0.005 χ^2/NDF: 314395.2/97



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: -1.393+/-0.047 χ^2/NDF: 6421.9/27

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

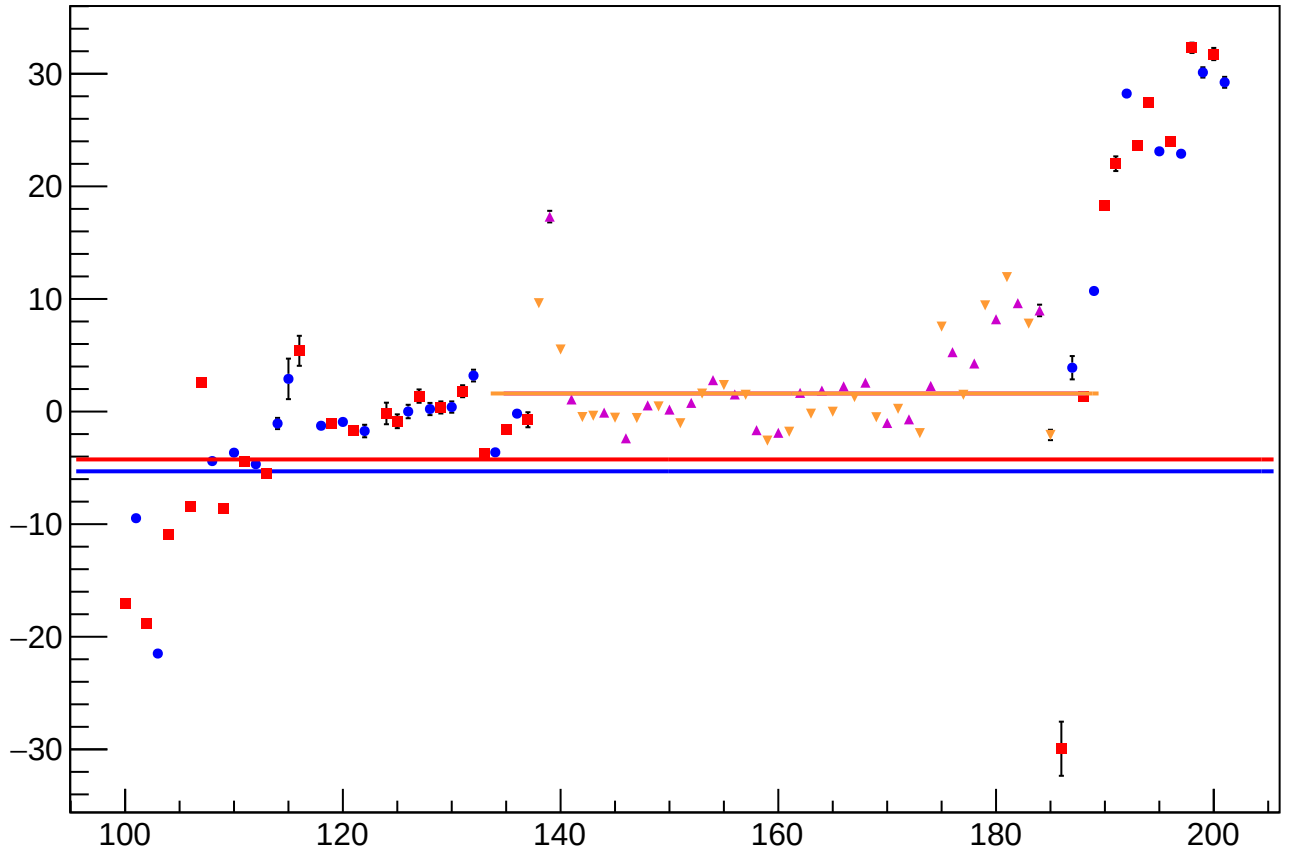
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.696+/-0.035 χ^2/NDF: 9797.3/50

In: -4.329+/-0.042 χ^2/NDF:19746.2/45

Out: -3.778+/-0.039 χ^2/NDF:28162.0/52

All: -4.033+/-0.029 χ^2/NDF: 47998.9/98



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: -4.251+/-0.053 χ^2/NDF: 51913.5/27

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

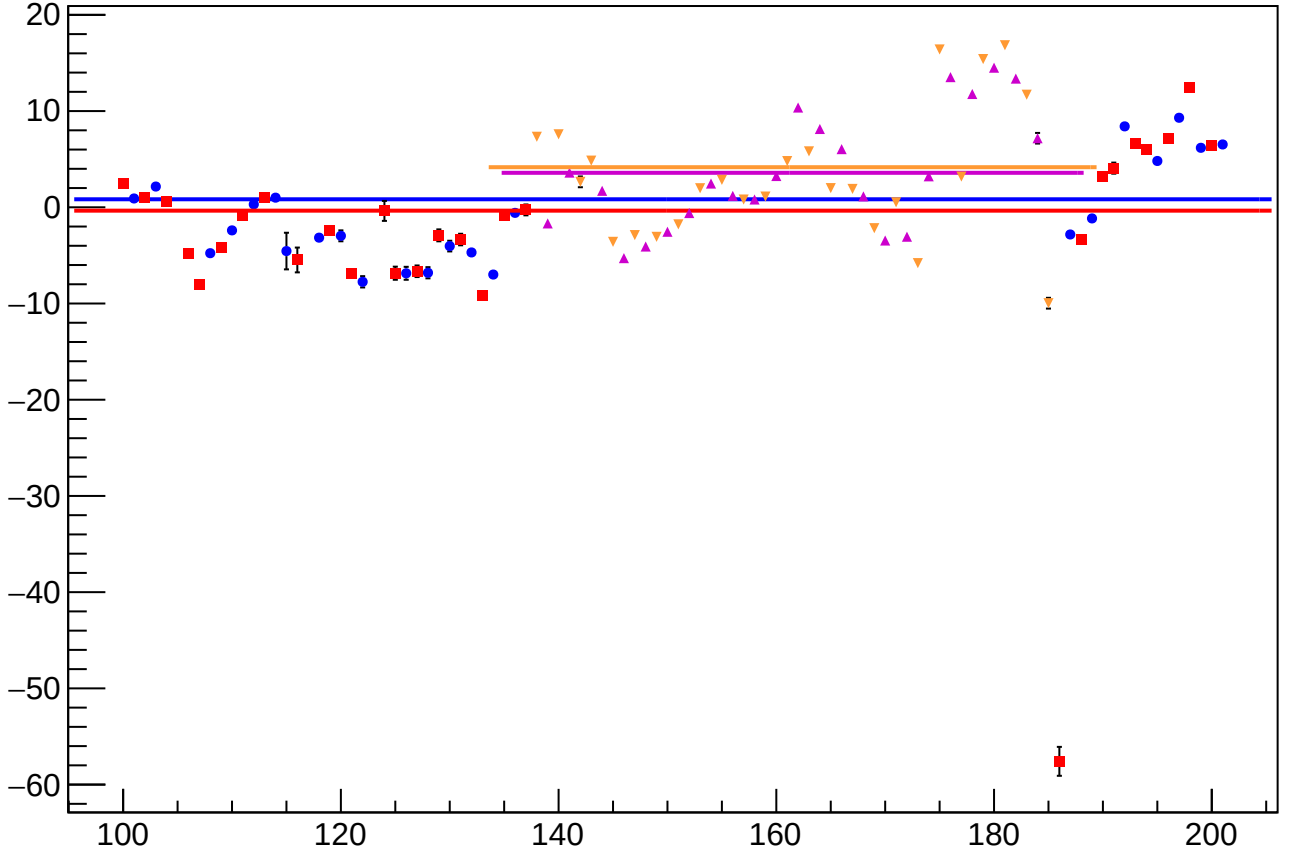
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.773+/-0.038 χ^2/NDF: 100436.1/50

In: -2.088+/-0.039 χ^2/NDF:59657.0/45

Out: -1.429+/-0.038 χ^2/NDF:62428.5/52

All: -1.749+/-0.027 χ^2/NDF: 122229.4/98



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: -0.349+/-0.047 χ^2/NDF: 7826.4/27

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

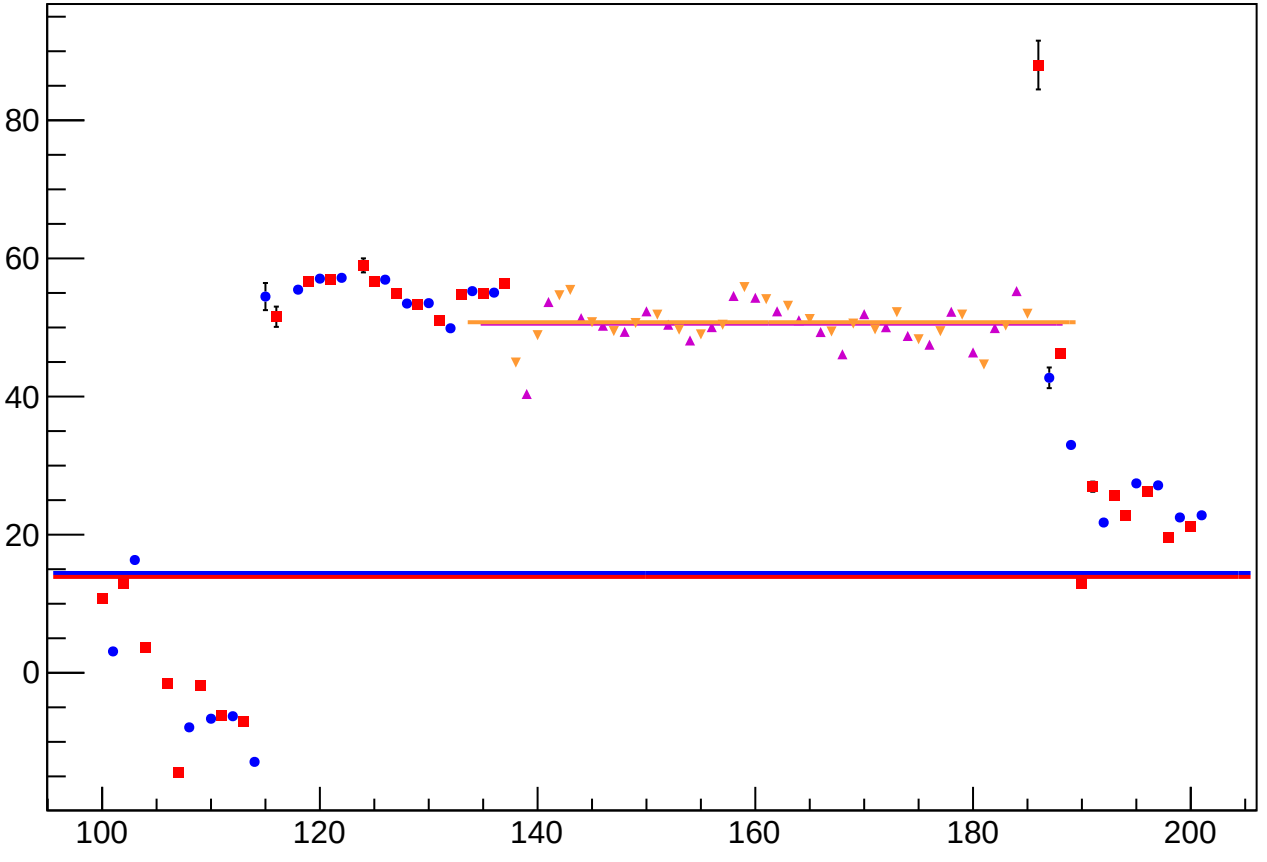
Right: 0.219+/-0.034 χ^2/NDF: 12269.3/50

In: 1.678+/-0.041 χ^2/NDF:12330.5/45

Out: 1.012+/-0.040 χ^2/NDF:19813.5/52

All: 1.333+/-0.028 χ^2/NDF: 32280.6/98

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 13.886+/-0.063 χ^2/NDF: 128922.0/27

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

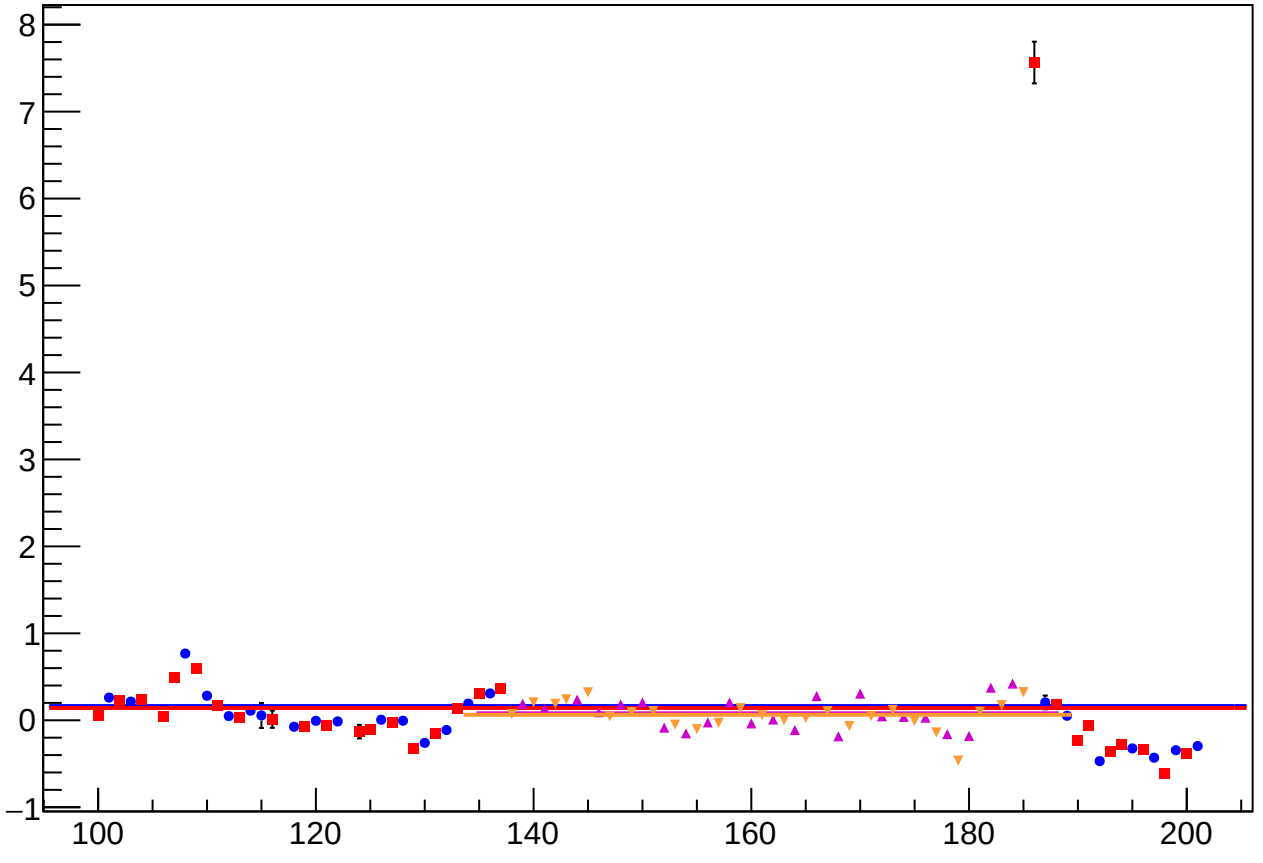
Right: 14.165+/-0.045 χ^2/NDF: 241591.0/50

In: 32.372+/-0.046 χ^2/NDF:270769.3/45

Out: 32.600+/-0.044 χ^2/NDF:302455.1/52

All: 32.489+/-0.032 χ^2/NDF: 573237.2/98

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: 0.142+/-0.002 χ^2/NDF: 11622.2/27

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

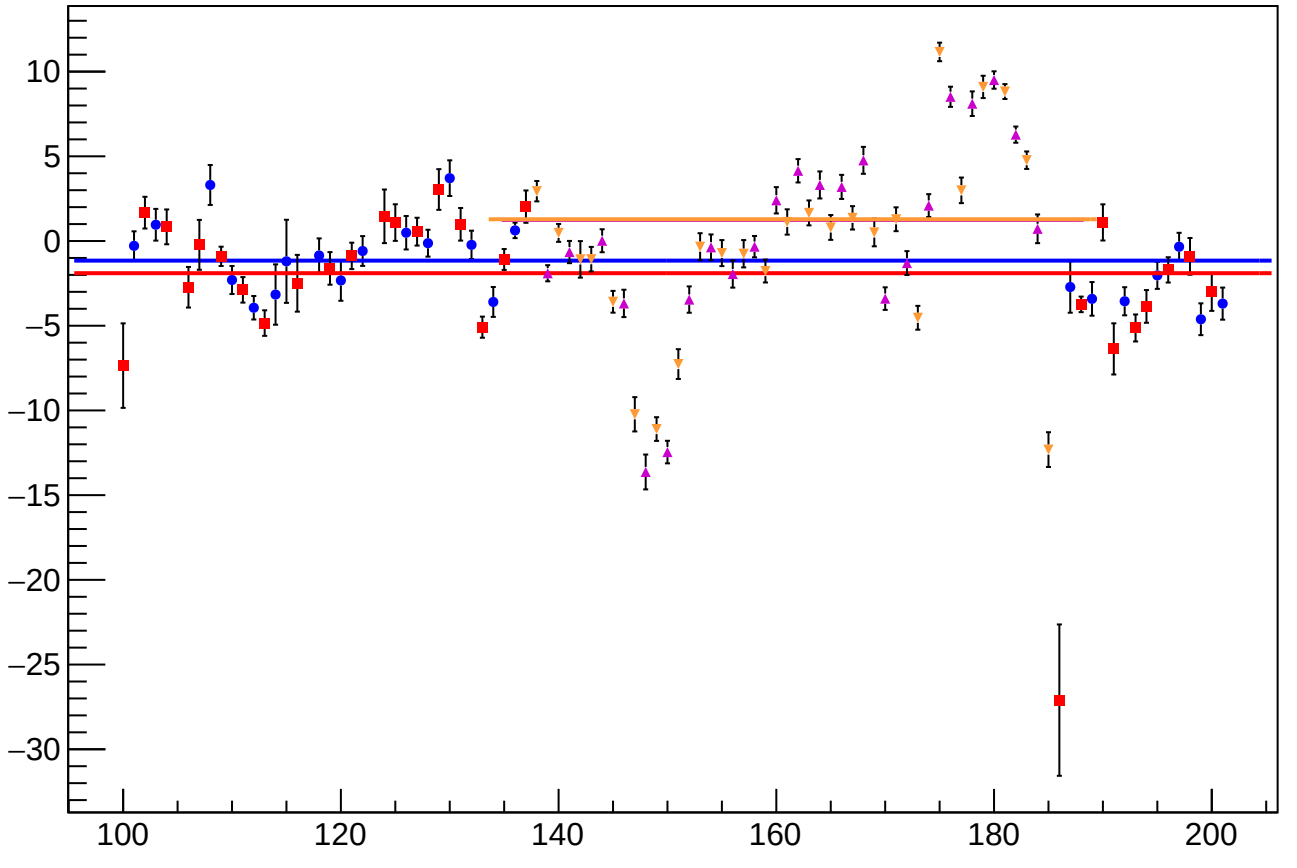
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.152+/-0.002 χ^2/NDF: 24017.6/50

In: 0.126+/-0.002 χ^2/NDF:16290.8/45

Out: 0.107+/-0.002 χ^2/NDF:14632.8/52

All: 0.117+/-0.001 χ^2/NDF: 30973.1/98



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: -1.899+/-0.166 χ^2/NDF: 228.9/27

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

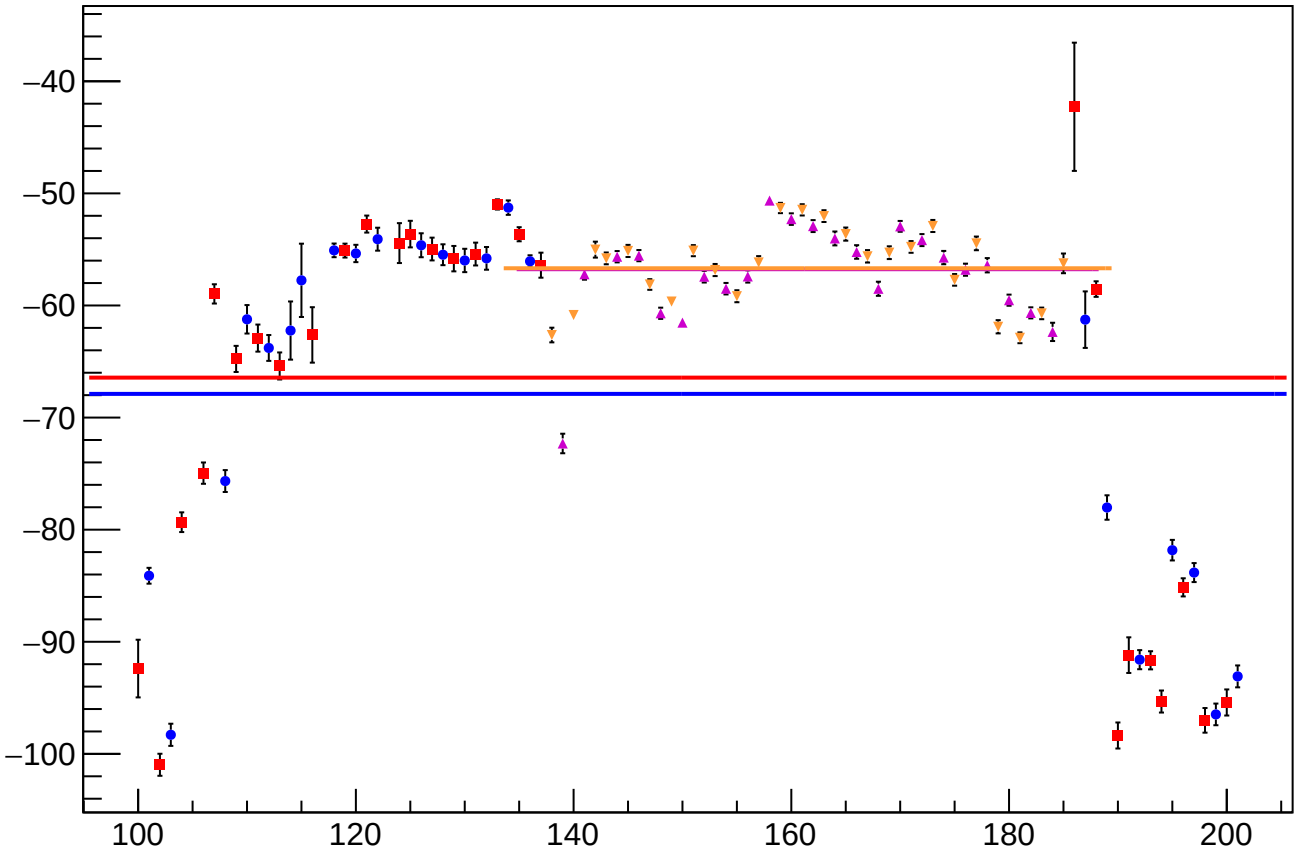
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.566+/-0.124 χ^2/NDF: 366.5/50

In: 0.364+/-0.112 χ^2/NDF:1748.7/45

Out: -0.001+/-0.106 χ^2/NDF:2162.3/52

All: 0.171+/-0.077 χ^2/NDF: 3916.6/98



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: -66.436+/-0.176 χ^2/NDF: 9427.0/27

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

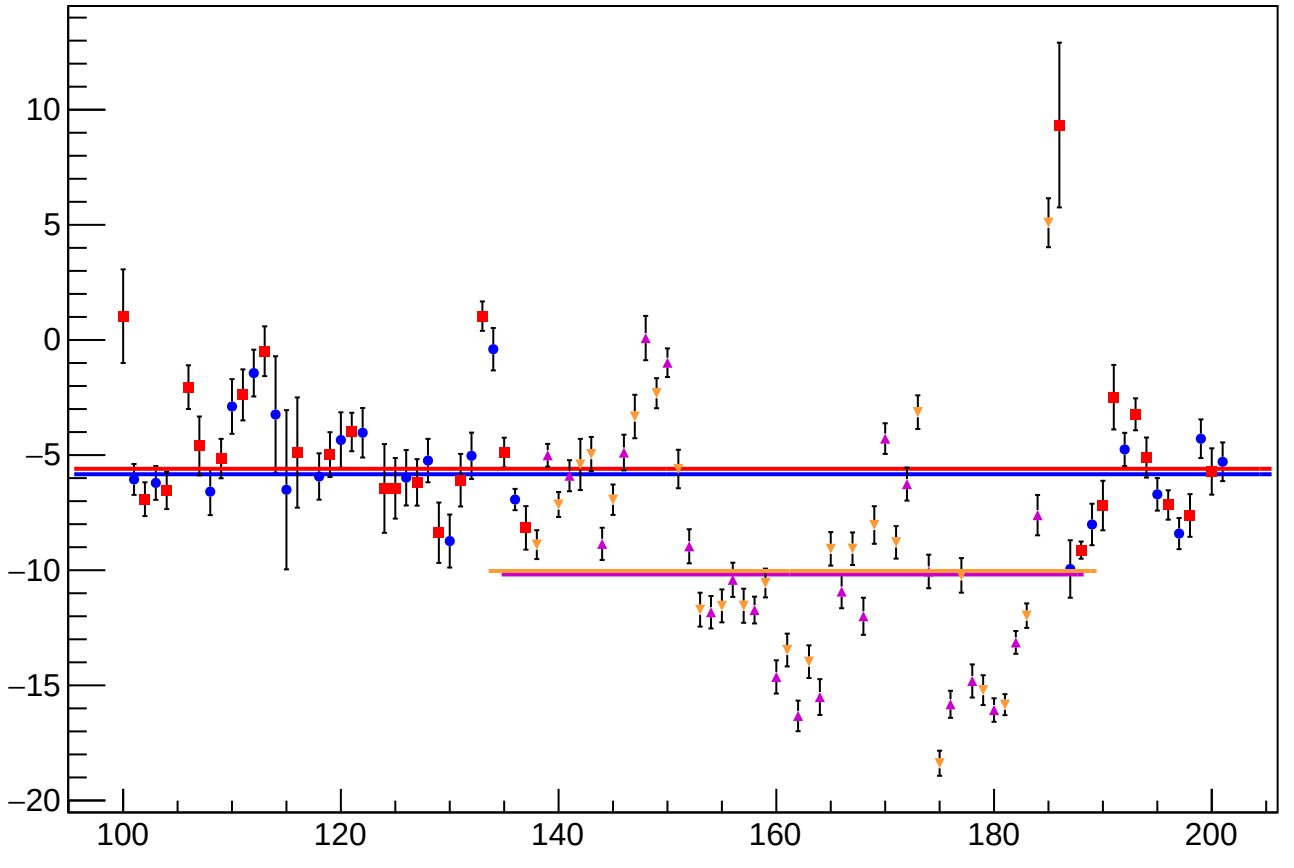
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -67.108+/-0.129 χ^2/NDF: 16689.6/50

In: -59.649+/-0.096 χ^2/NDF:10898.5/45

Out: -59.323+/-0.092 χ^2/NDF:12684.6/52

All: -59.478+/-0.066 χ^2/NDF: 23589.1/98



Right In: -5.831+/-0.183 χ^2/NDF: 117.9/22

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.595+/-0.165 χ^2/NDF: 323.8/27

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

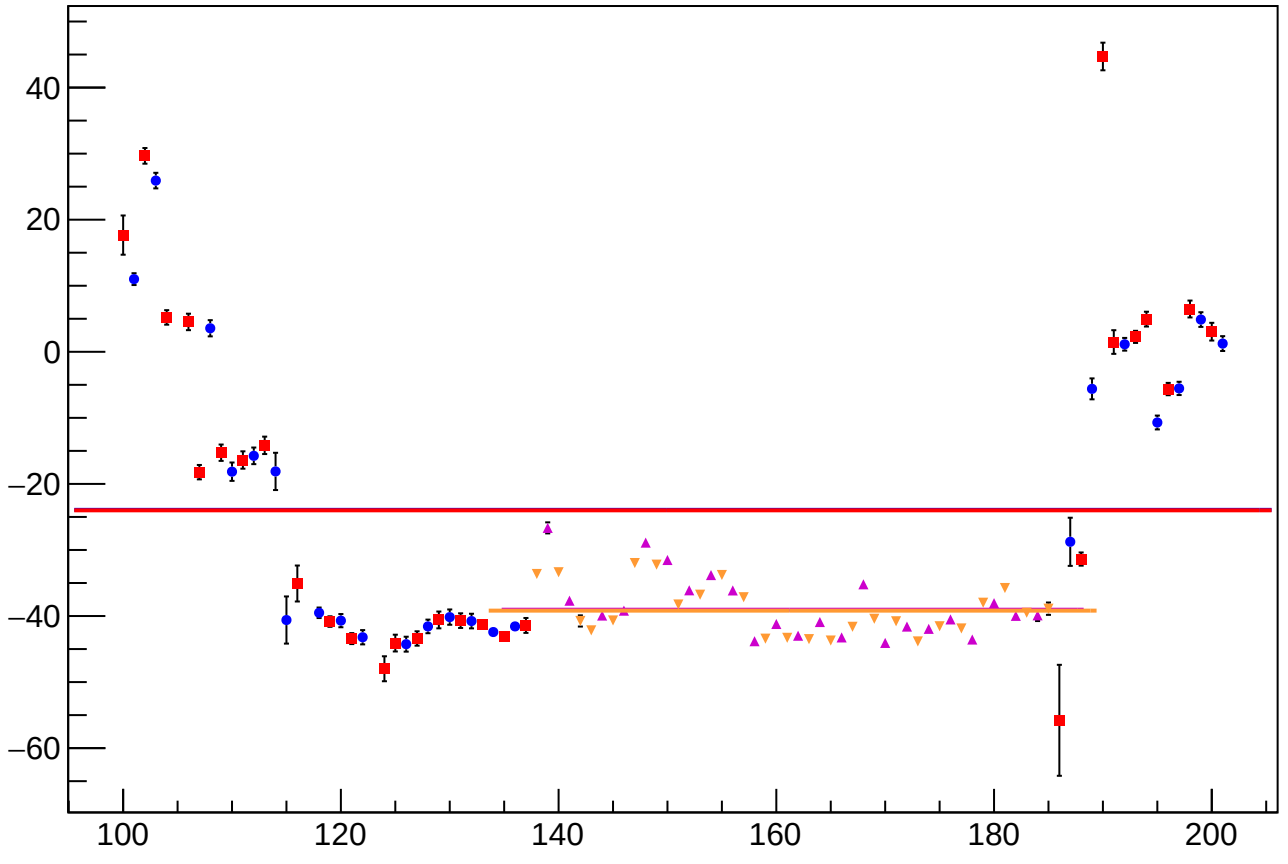
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.701+/-0.123 χ^2/NDF: 442.5/50

In: -8.594+/-0.111 χ^2/NDF:1618.0/45

Out: -8.232+/-0.105 χ^2/NDF:1937.2/52

All: -8.403+/-0.076 χ^2/NDF: 3560.9/98



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: -23.997+/-0.206 χ^2/NDF: 12058.0/27

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

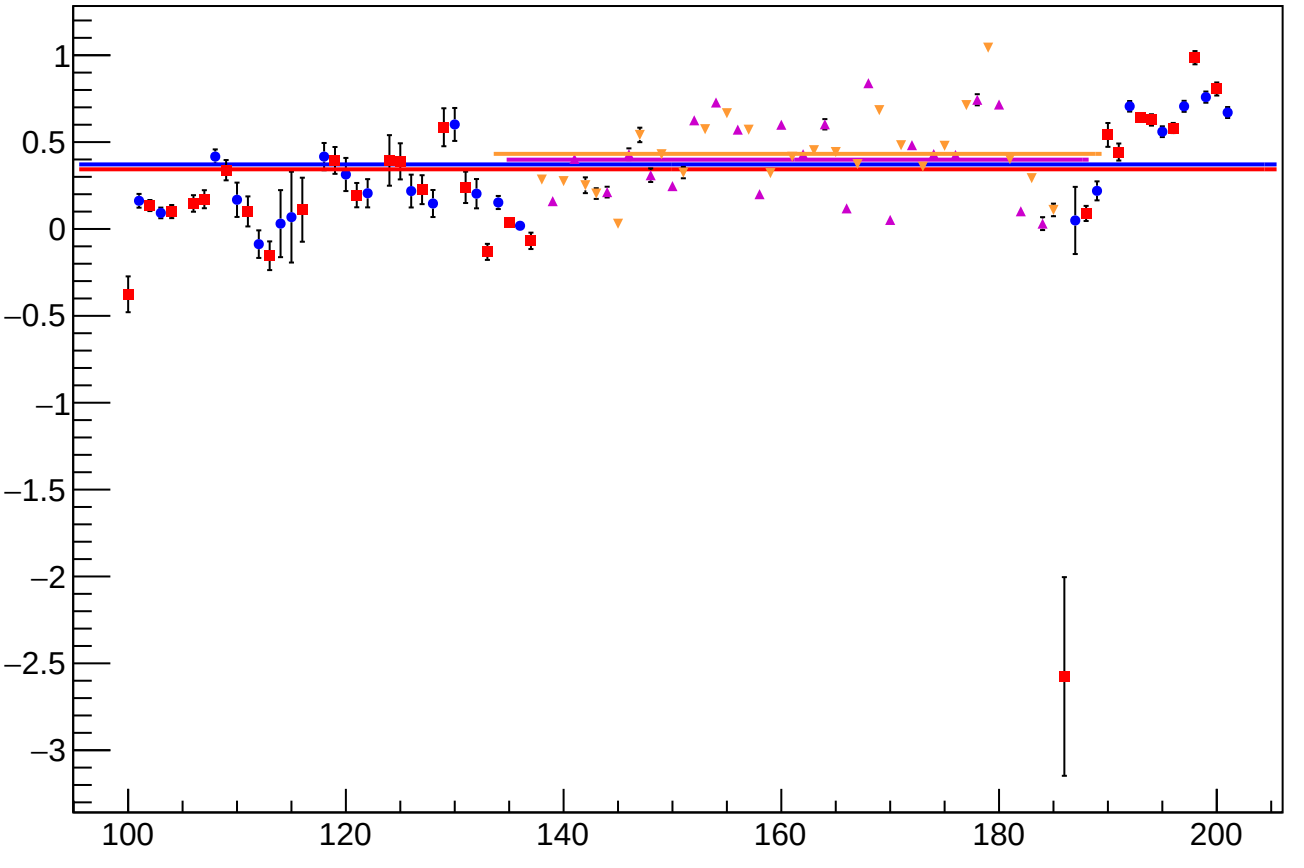
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -23.964+/-0.150 χ^2/NDF: 22191.8/50

In: -35.327+/-0.108 χ^2/NDF:15000.7/45

Out: -35.337+/-0.104 χ^2/NDF:17147.2/52

All: -35.332+/-0.075 χ^2/NDF: 32147.9/98



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: 0.343+/-0.009 χ^2/NDF: 1306.4/27

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

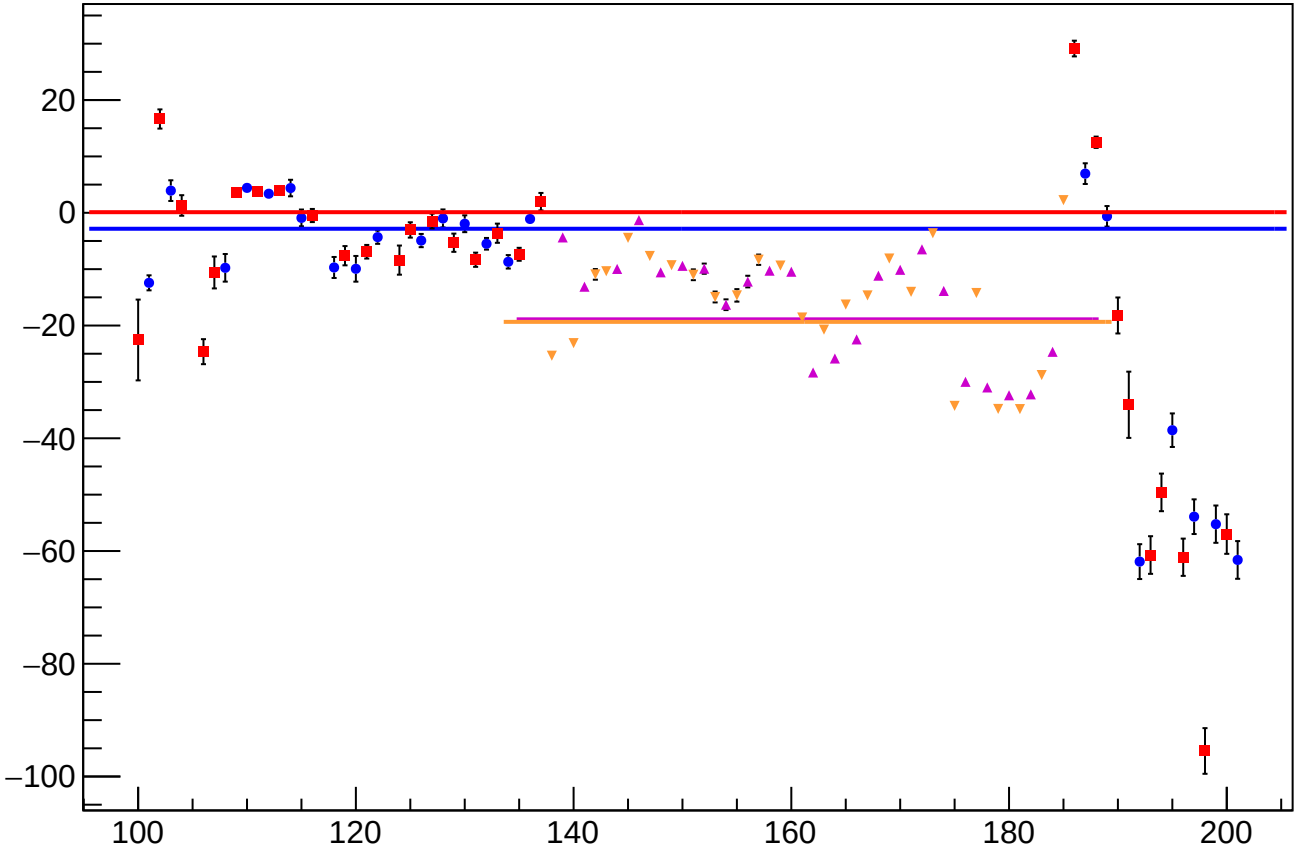
Right: 0.357+/-0.006 χ^2/NDF: 2307.2/50

In: 0.392+/-0.005 χ^2/NDF:2926.3/45

Out: 0.409+/-0.005 χ^2/NDF:2748.2/52

All: 0.401+/-0.003 χ^2/NDF: 5681.5/98

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.108+/-0.249 χ^2/NDF: 2891.9/27

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

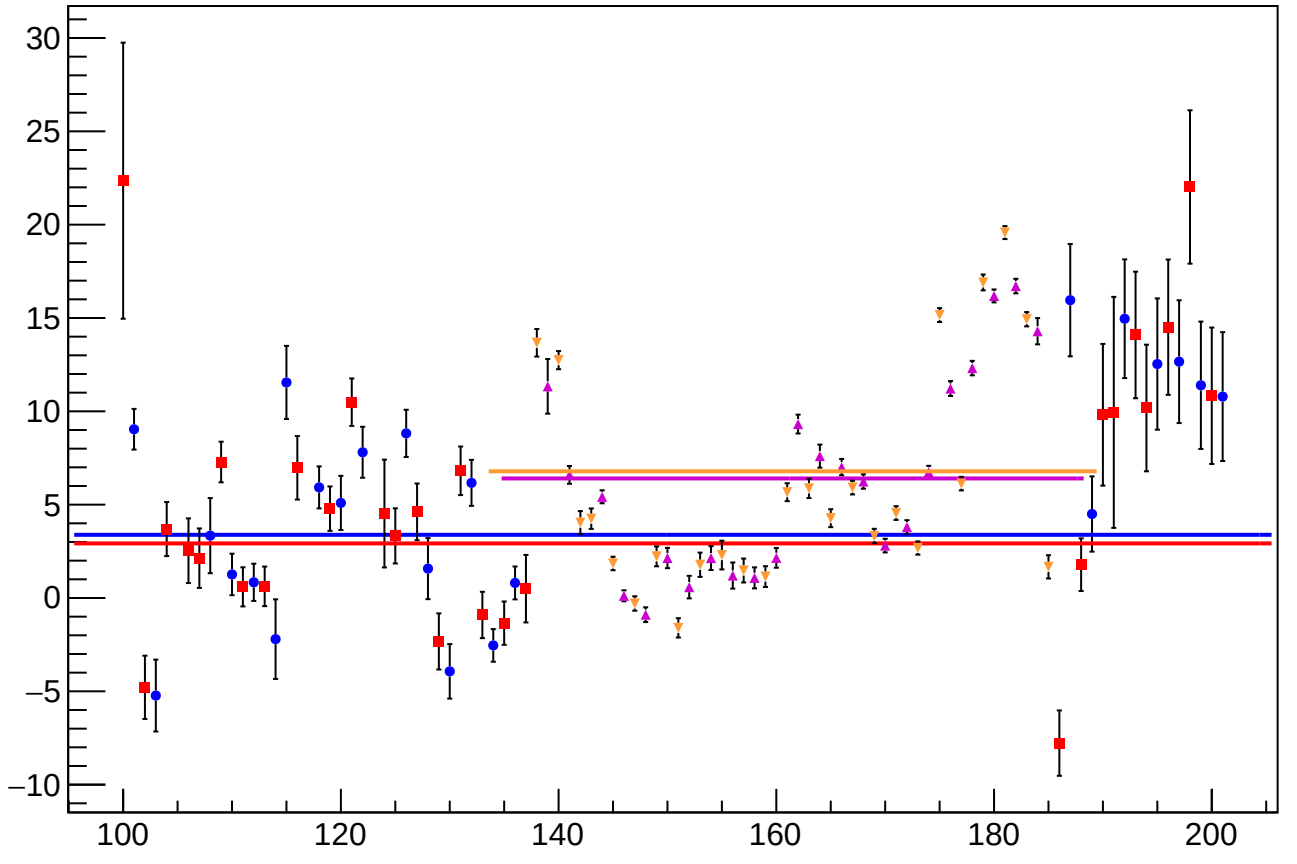
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -1.246+/-0.183 χ^2/NDF: 4700.4/50

In: -16.379+/-0.107 χ^2/NDF:13036.1/45

Out: -16.001+/-0.103 χ^2/NDF:18352.0/52

All: -16.184+/-0.074 χ^2/NDF: 31394.5/98



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: 2.924+/-0.302 χ^2/NDF: 239.5/27

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

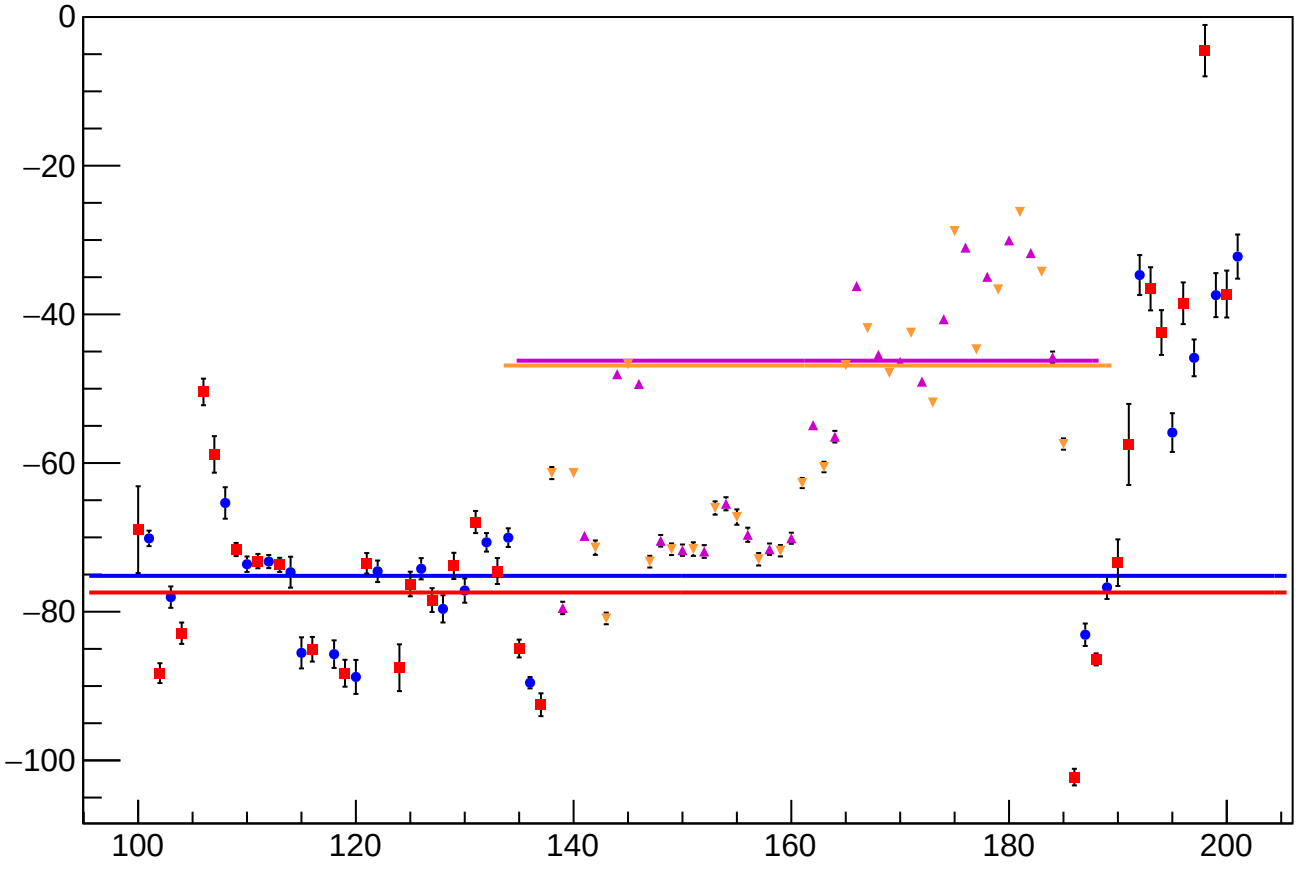
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.155+/-0.214 χ^2/NDF: 499.3/50

In: 6.152+/-0.087 χ^2/NDF:3760.8/45

Out: 6.473+/-0.086 χ^2/NDF:5022.0/52

All: 6.314+/-0.061 χ^2/NDF: 8789.7/98



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: -77.415+/-0.285 χ^2/NDF: 2465.7/27

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

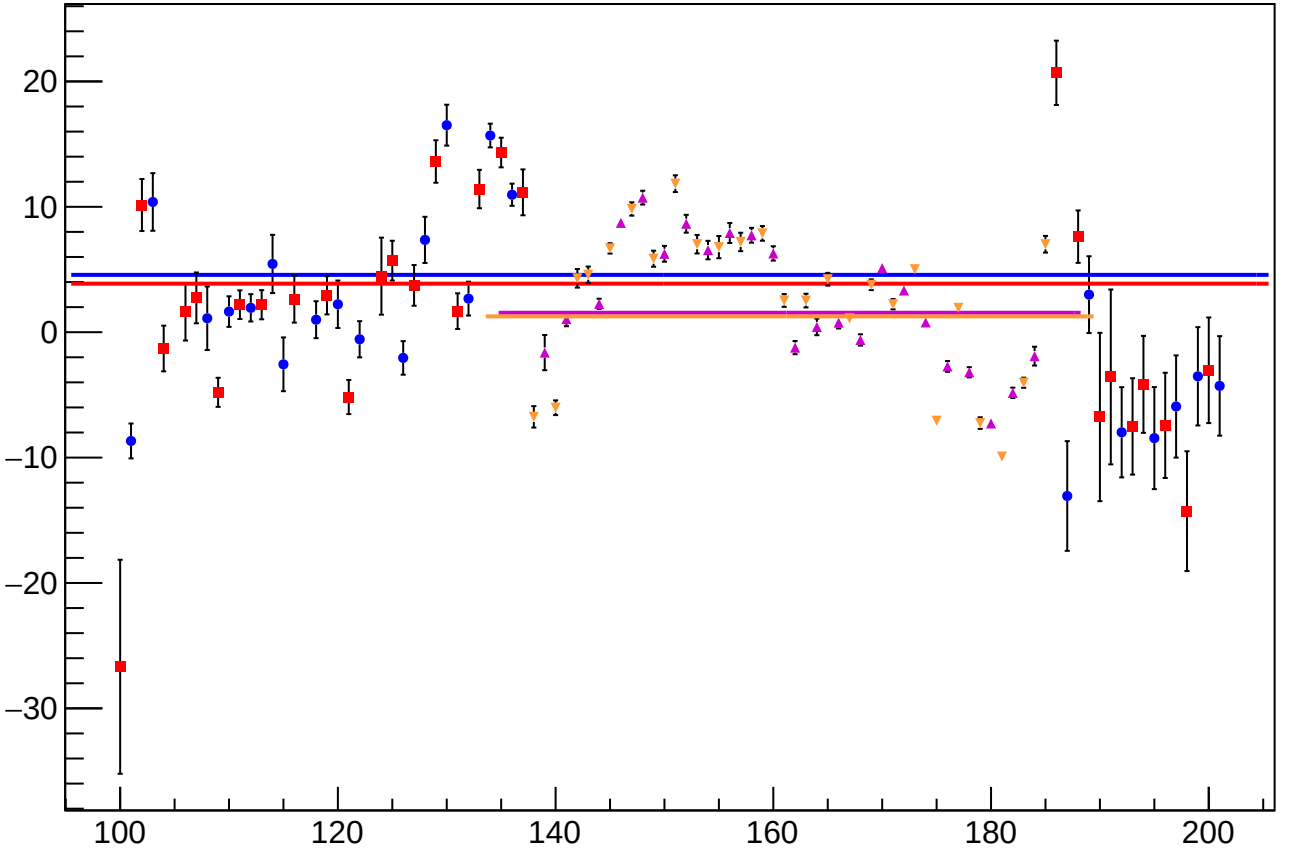
Right: -76.361+/-0.208 χ^2/NDF: 3855.9/50

In: -49.954+/-0.109 χ^2/NDF:24502.3/45

Out: -51.075+/-0.106 χ^2/NDF:30307.8/52

All: -50.529+/-0.076 χ^2/NDF: 54864.8/98

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 3.871+/-0.346 χ^2/NDF: 378.8/27

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

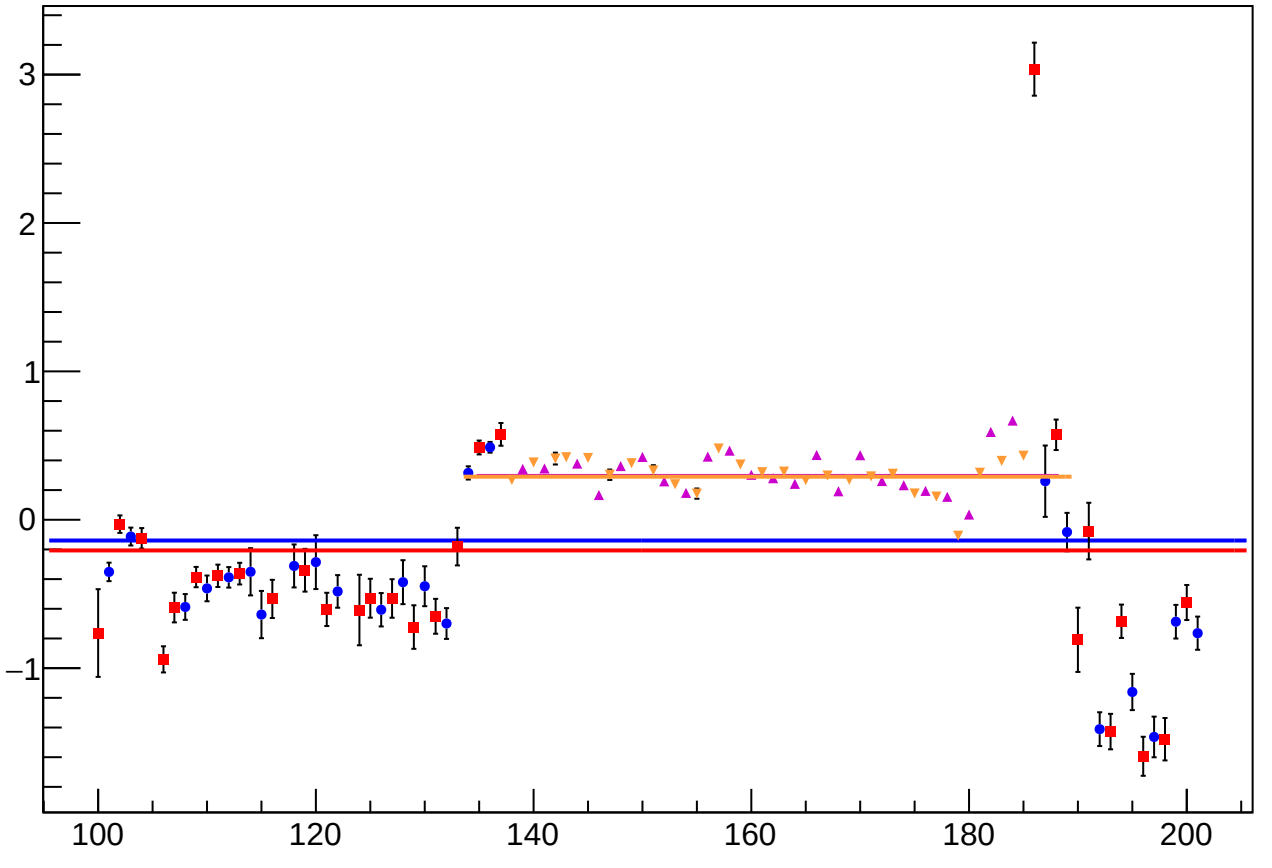
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.228+/-0.242 χ^2/NDF: 850.6/50

In: 1.801+/-0.098 χ^2/NDF:2878.0/45

Out: 1.464+/-0.096 χ^2/NDF:3877.0/52

All: 1.630+/-0.069 χ^2/NDF: 6760.9/98



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: -0.207+/-0.018 χ^2/NDF: 1218.2/27

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

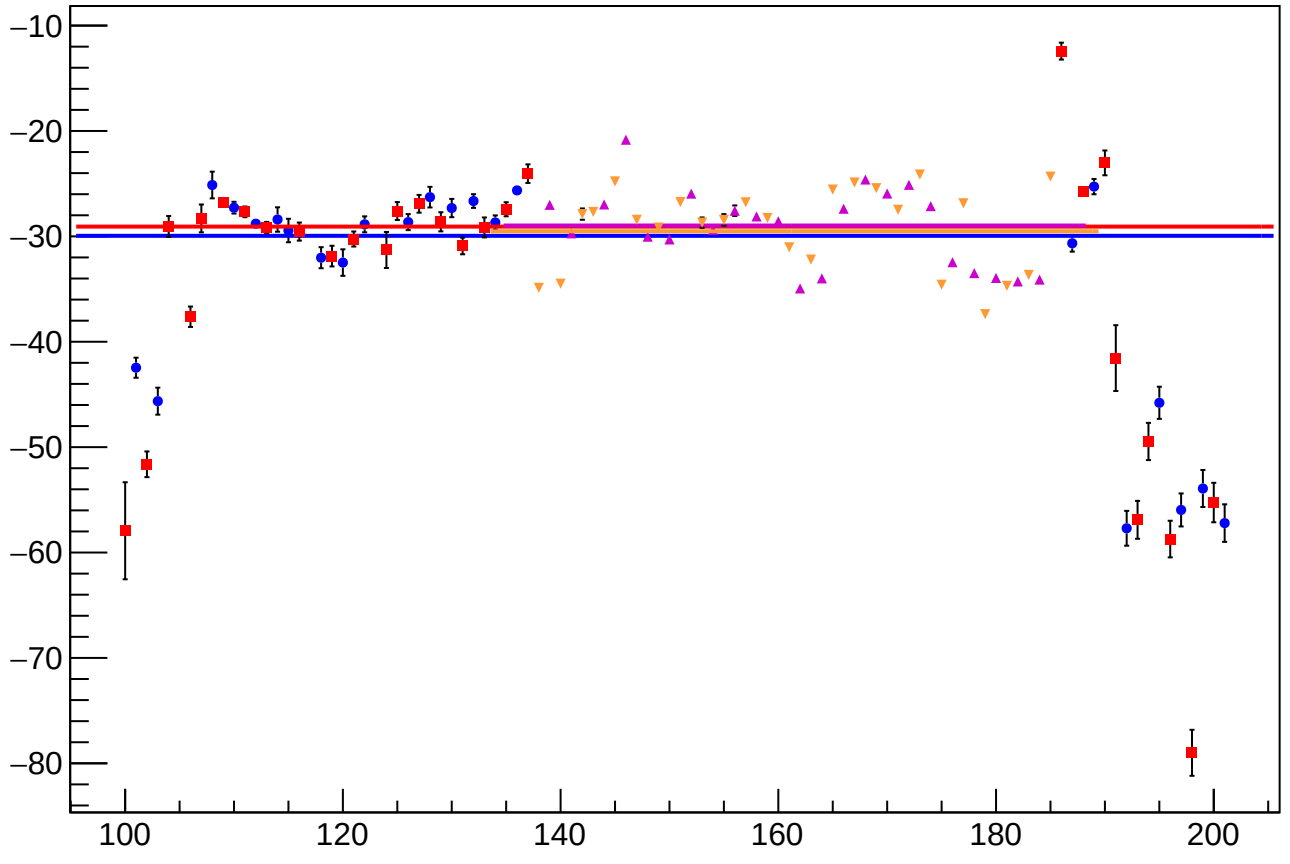
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.172+/-0.013 χ^2/NDF: 2119.5/50

In: 0.268+/-0.004 χ^2/NDF:2501.1/45

Out: 0.263+/-0.004 χ^2/NDF:2625.6/52

All: 0.265+/-0.003 χ^2/NDF: 5127.5/98



Right In: -29.948+/-0.171 χ^2/NDF: 1660.2/22

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.073+/-0.159 χ^2/NDF: 2473.4/27

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

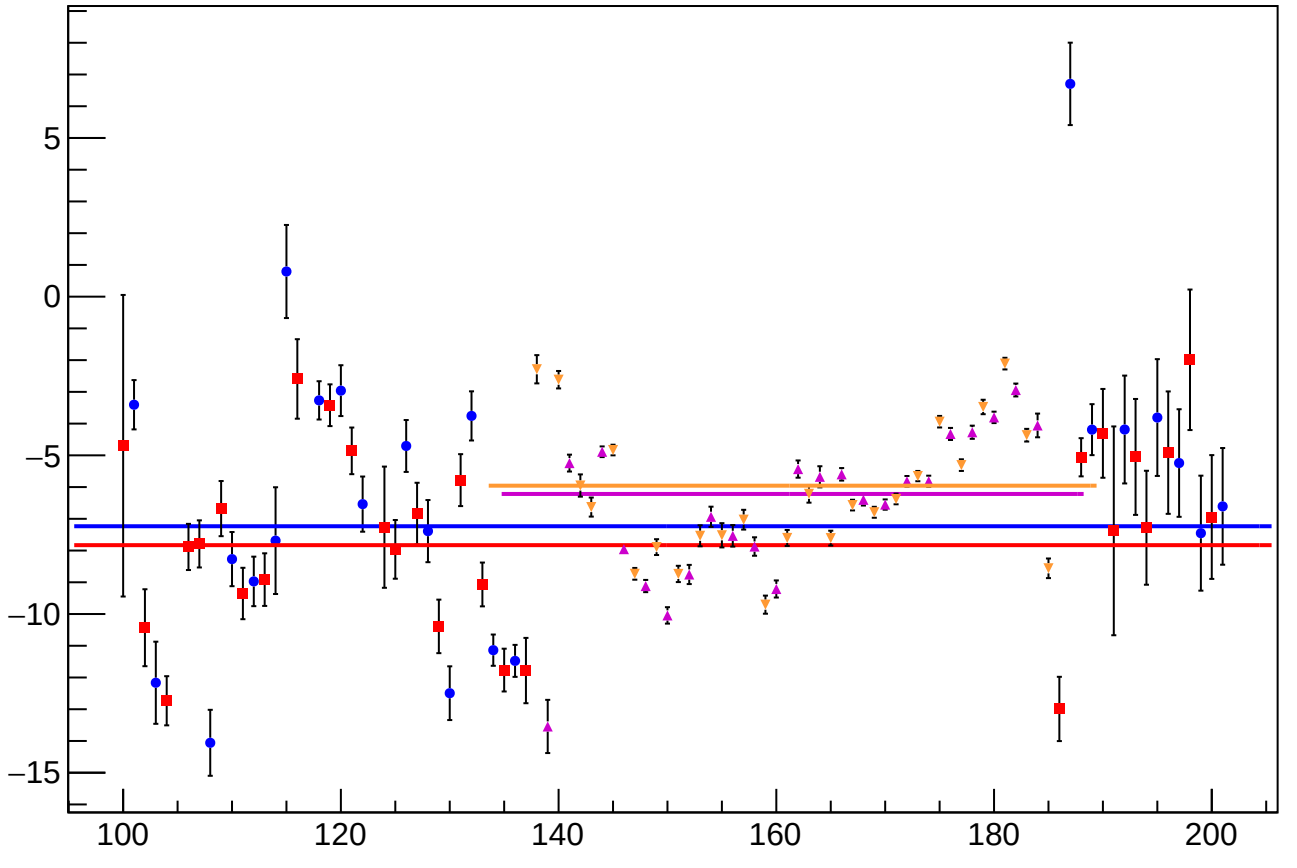
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.480+/-0.116 χ^2/NDF: 4147.6/50

In: -29.069+/-0.054 χ^2/NDF:7038.2/45

Out: -29.467+/-0.053 χ^2/NDF:8568.7/52

All: -29.271+/-0.038 χ^2/NDF: 15634.5/98



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: -7.830+/-0.178 χ^2/NDF: 265.0/27

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

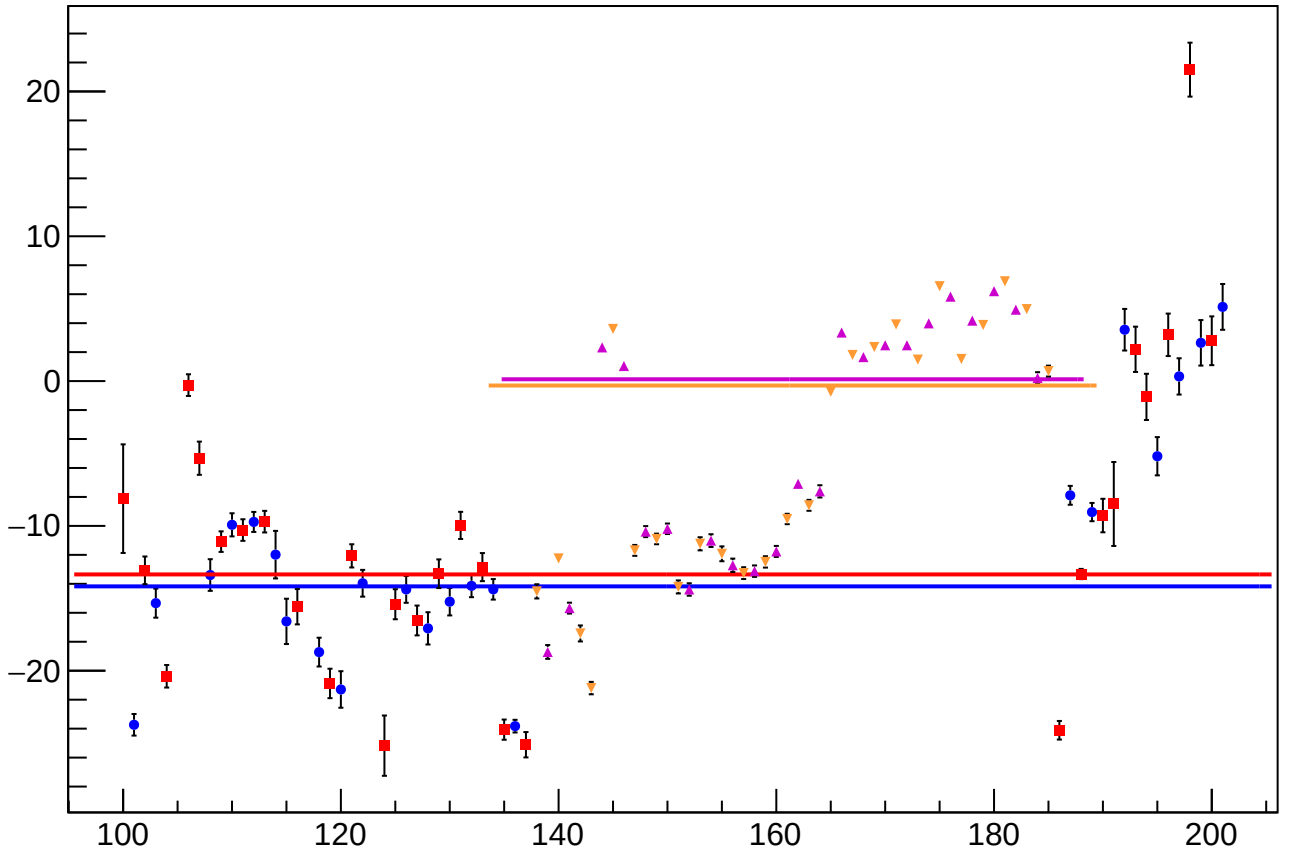
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.539+/-0.127 χ^2/NDF: 801.1/50

In: -6.273+/-0.043 χ^2/NDF:2301.7/45

Out: -6.066+/-0.043 χ^2/NDF:2227.1/52

All: -6.170+/-0.030 χ^2/NDF: 4540.4/98



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: -13.350+/-0.167 χ^2/NDF: 2047.2/27

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

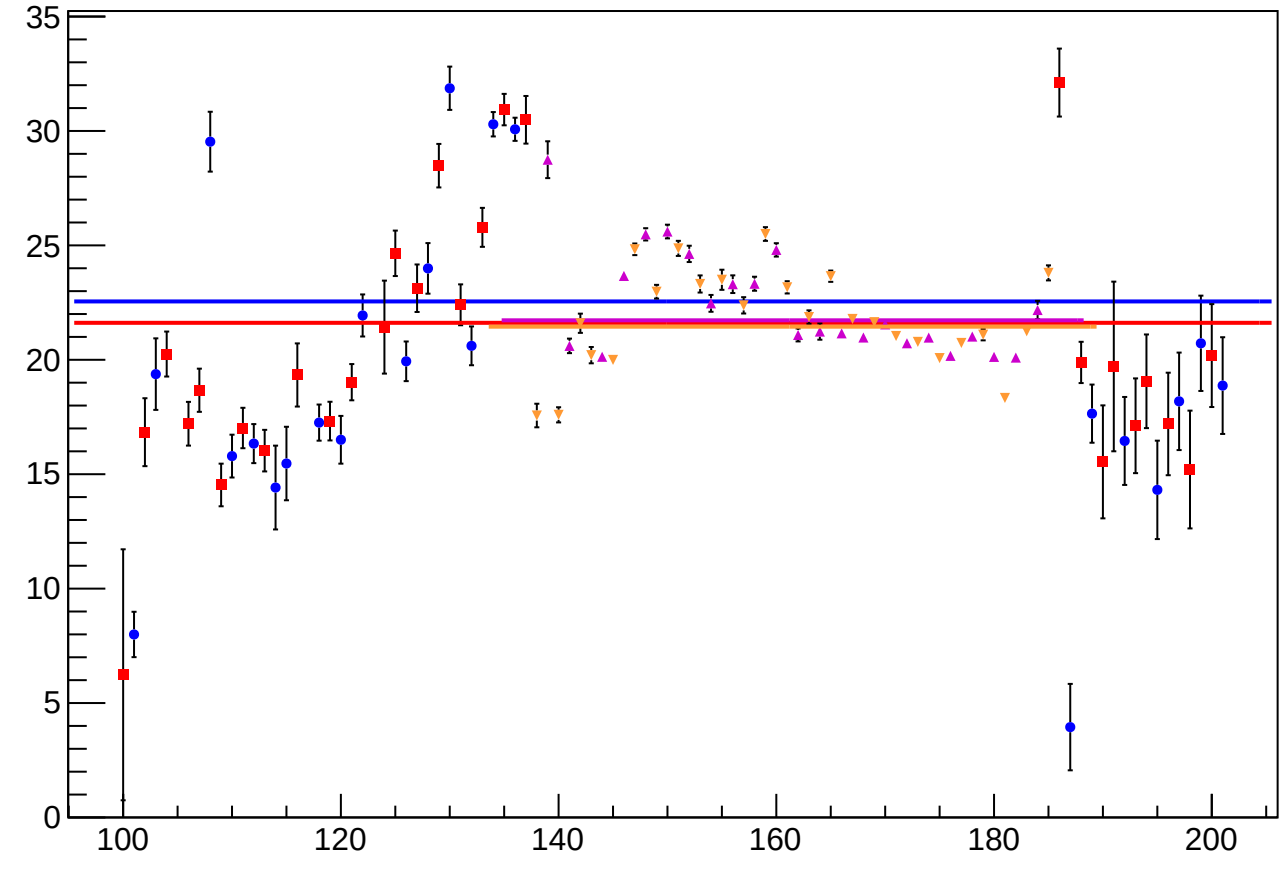
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.726+/-0.123 χ^2/NDF: 3600.6/50

In: -1.152+/-0.054 χ^2/NDF:21001.1/45

Out: -1.655+/-0.054 χ^2/NDF:24729.3/52

All: -1.407+/-0.038 χ^2/NDF: 45773.8/98



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: 21.616+/-0.209 χ^2/NDF: 635.3/27

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

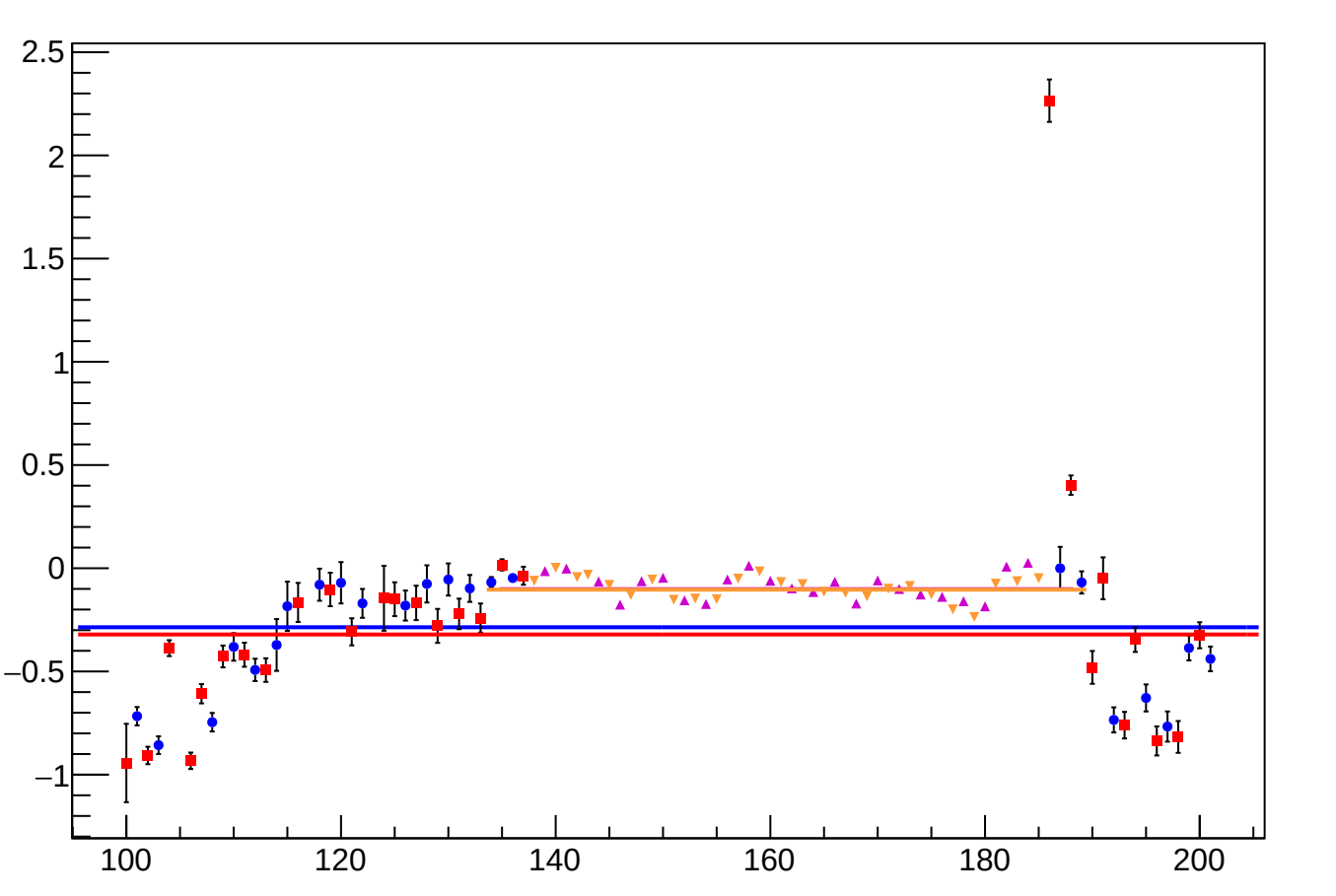
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.086+/-0.148 χ^2/NDF: 1807.4/50

In: 21.770+/-0.048 χ^2/NDF:2350.6/45

Out: 21.456+/-0.048 χ^2/NDF:1961.1/52

All: 21.613+/-0.034 χ^2/NDF: 4332.9/98



Right In: -0.286+/-0.011 χ^2/NDF: 801.1/22

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/27

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

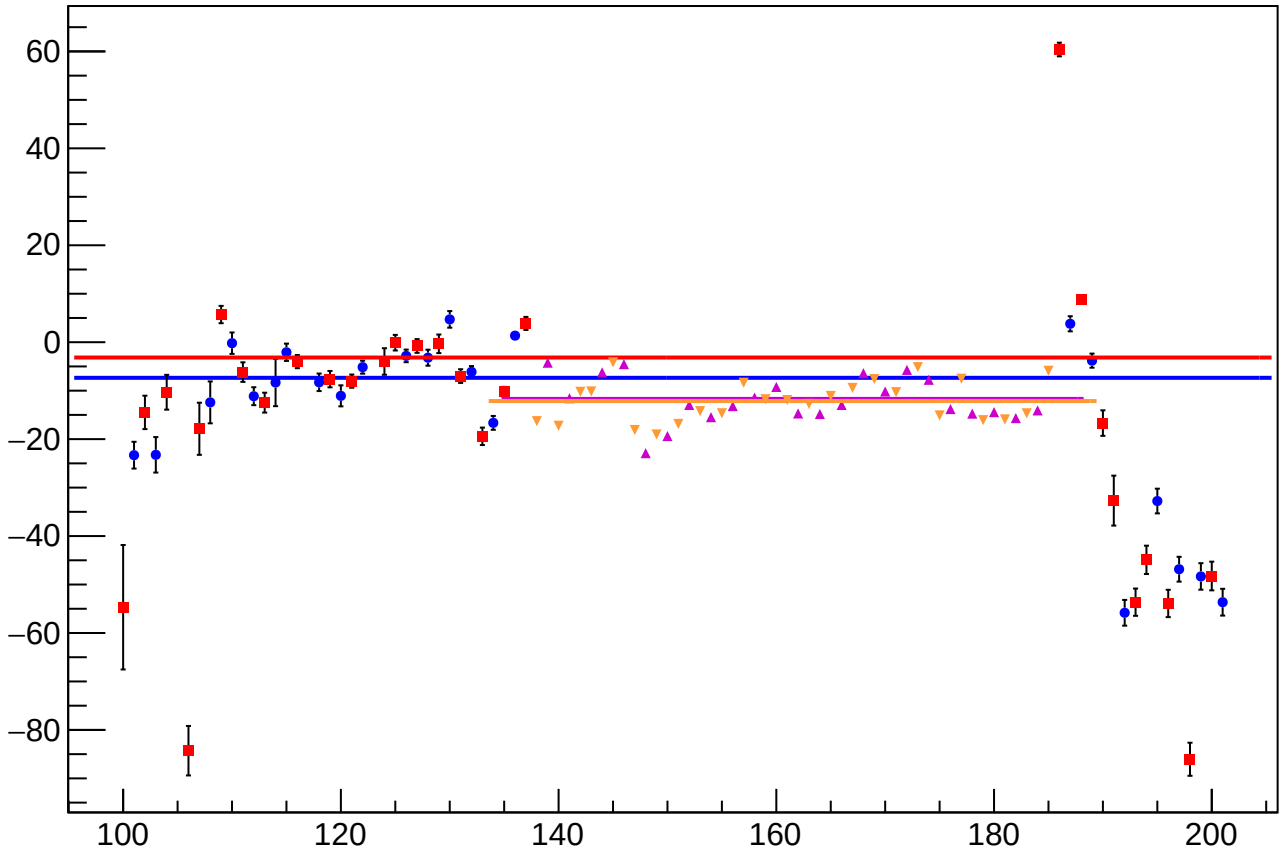
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.303+/-0.008 χ^2/NDF: 2546.2/50

In: -0.109+/-0.002 χ^2/NDF:1853.5/45

Out: -0.112+/-0.002 χ^2/NDF:2672.3/52

All: -0.111+/-0.002 χ^2/NDF: 4526.8/98



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: -3.162+/-0.338 χ^2/NDF: 4500.9/27

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

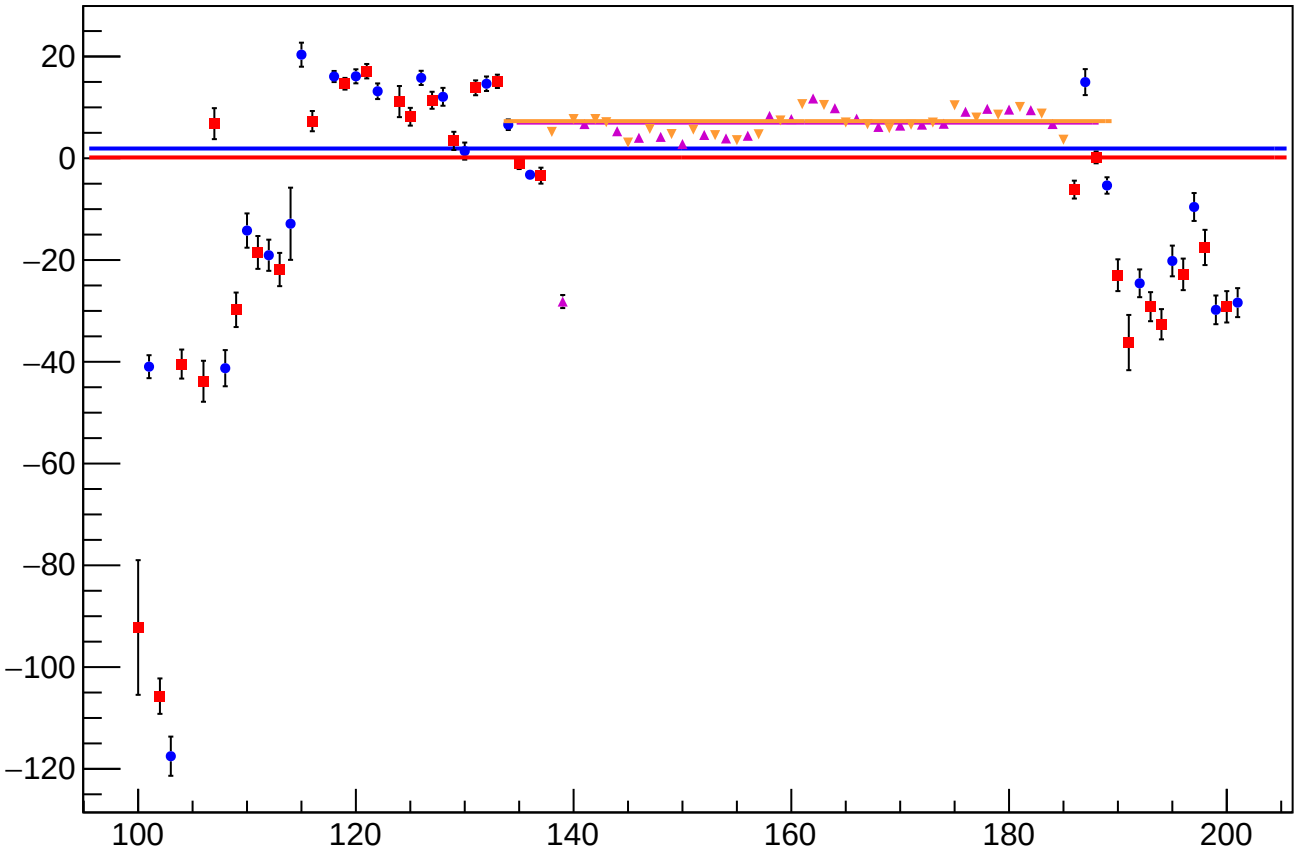
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.218+/-0.241 χ^2/NDF: 6169.3/50

In: -11.394+/-0.091 χ^2/NDF:3693.0/45

Out: -11.529+/-0.088 χ^2/NDF:7289.4/52

All: -11.464+/-0.063 χ^2/NDF: 10983.5/98



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: 0.162+/-0.369 χ^2/NDF: 2589.5/27

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

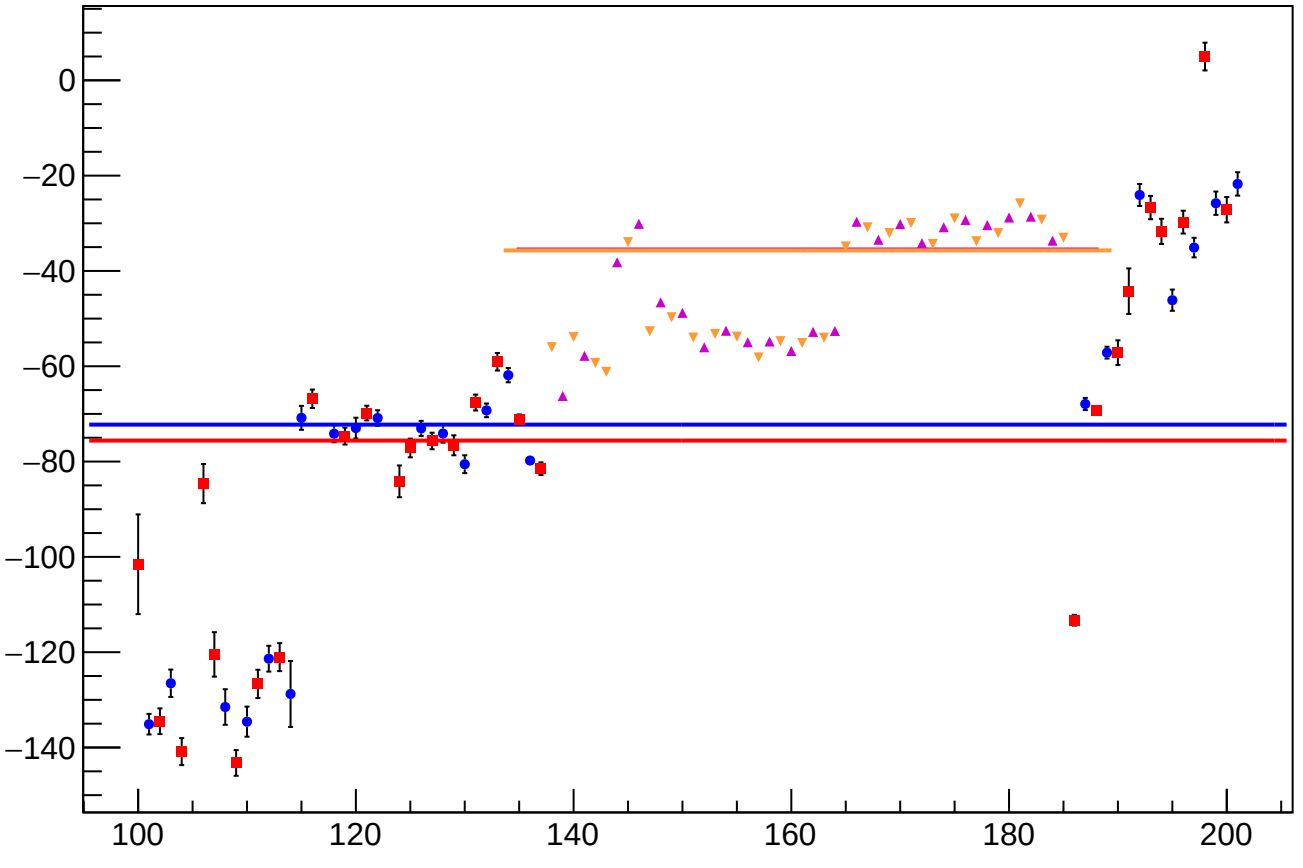
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 1.072+/-0.256 χ^2/NDF: 5259.6/50

In: 6.782+/-0.074 χ^2/NDF:4430.1/45

Out: 7.014+/-0.073 χ^2/NDF:3771.3/52

All: 6.900+/-0.052 χ^2/NDF: 8206.3/98



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: -75.598+/-0.339 χ^2/NDF: 5906.6/27

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

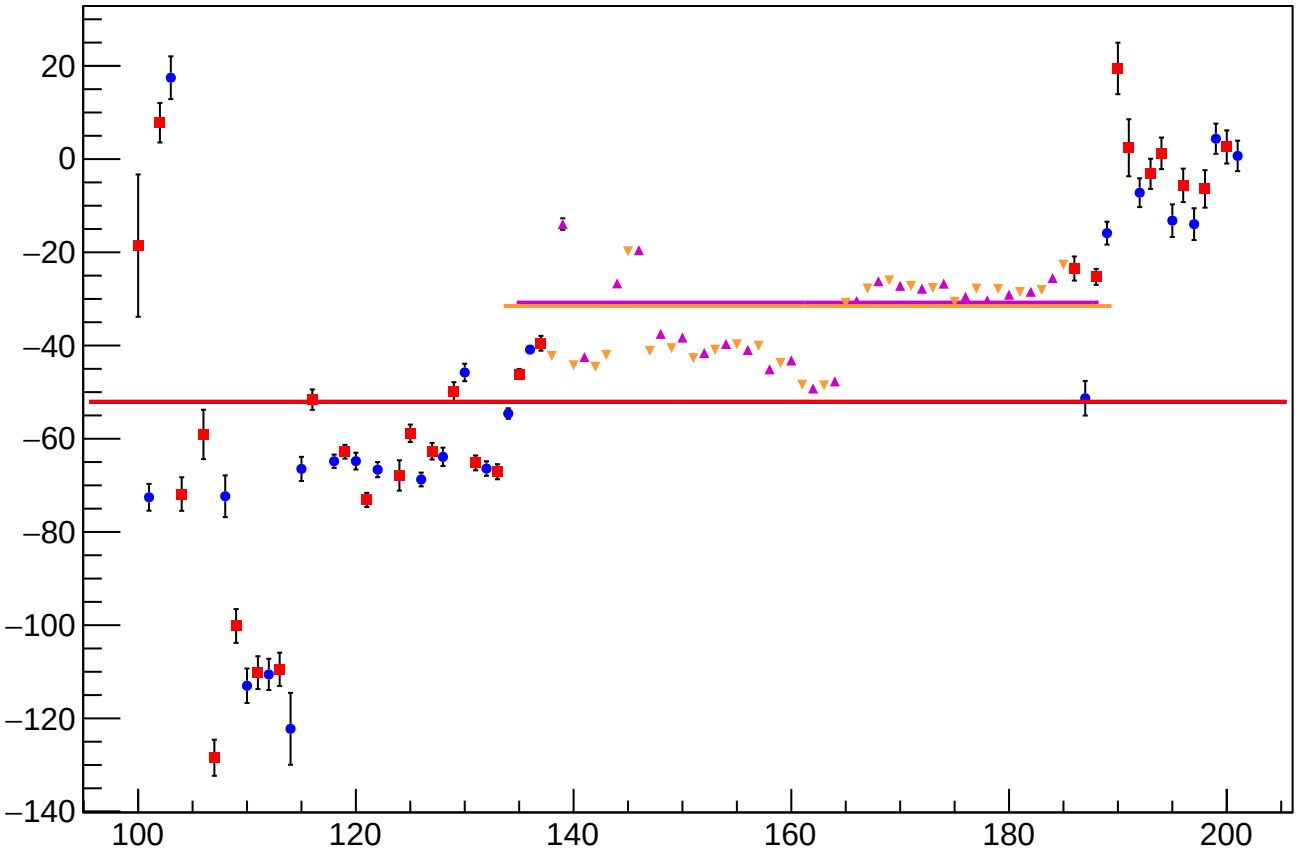
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -73.997+/-0.245 χ^2/NDF: 10233.4/50

In: -37.943+/-0.091 χ^2/NDF:25492.5/45

Out: -38.442+/-0.089 χ^2/NDF:31596.7/52

All: -38.200+/-0.064 χ^2/NDF: 57104.5/98



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: -52.053+/-0.427 χ^2/NDF: 3516.4/27

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

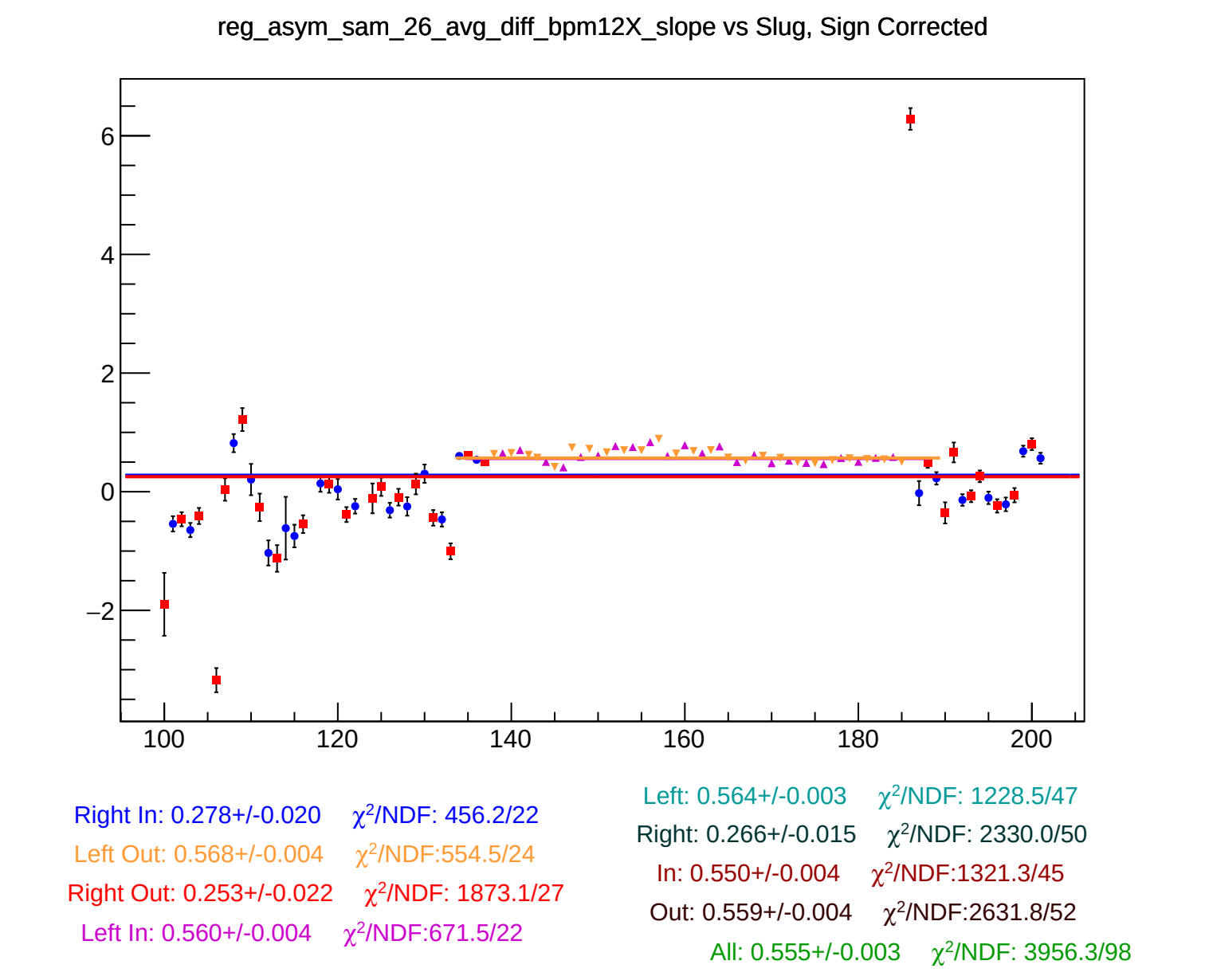
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

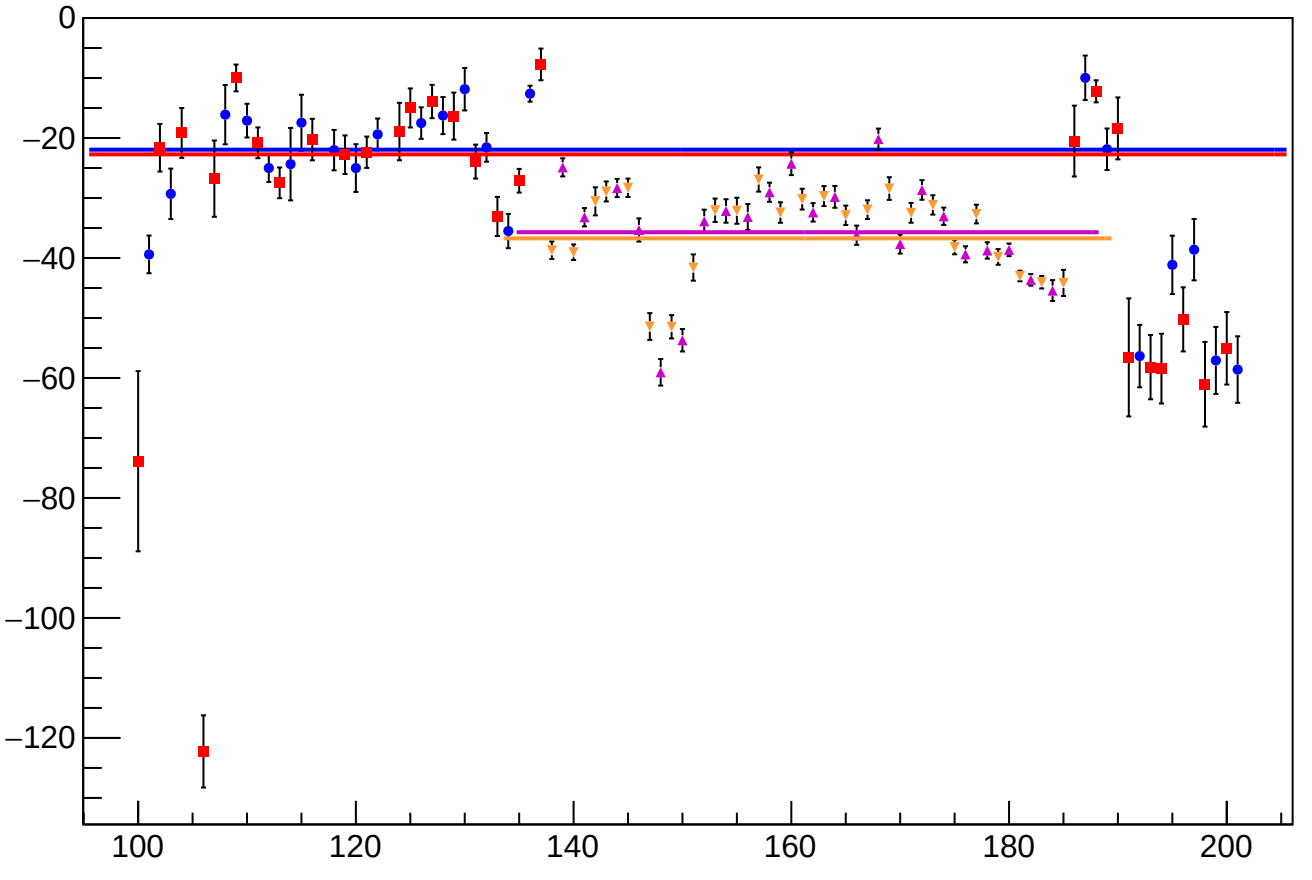
Right: -52.078+/-0.292 χ^2/NDF: 6421.1/50

In: -31.691+/-0.083 χ^2/NDF:13157.7/45

Out: -32.263+/-0.081 χ^2/NDF:14200.0/52

All: -31.981+/-0.058 χ^2/NDF: 27382.1/98


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.278+/-0.020 χ²/NDF: 456.2/22
Left Out: 0.568+/-0.004 χ²/NDF:554.5/24
Right Out: 0.253+/-0.022 χ²/NDF: 1873.1/27
Left In: 0.560+/-0.004 χ²/NDF:671.5/22
Left: 0.564+/-0.003 χ²/NDF: 1228.5/47
Right: 0.266+/-0.015 χ²/NDF: 2330.0/50
In: 0.550+/-0.004 χ²/NDF:1321.3/45
Out: 0.559+/-0.004 χ²/NDF:2631.8/52
All: 0.555+/-0.003 χ²/NDF: 3956.3/98



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: -22.728+/-0.635 χ^2/NDF: 601.7/27

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

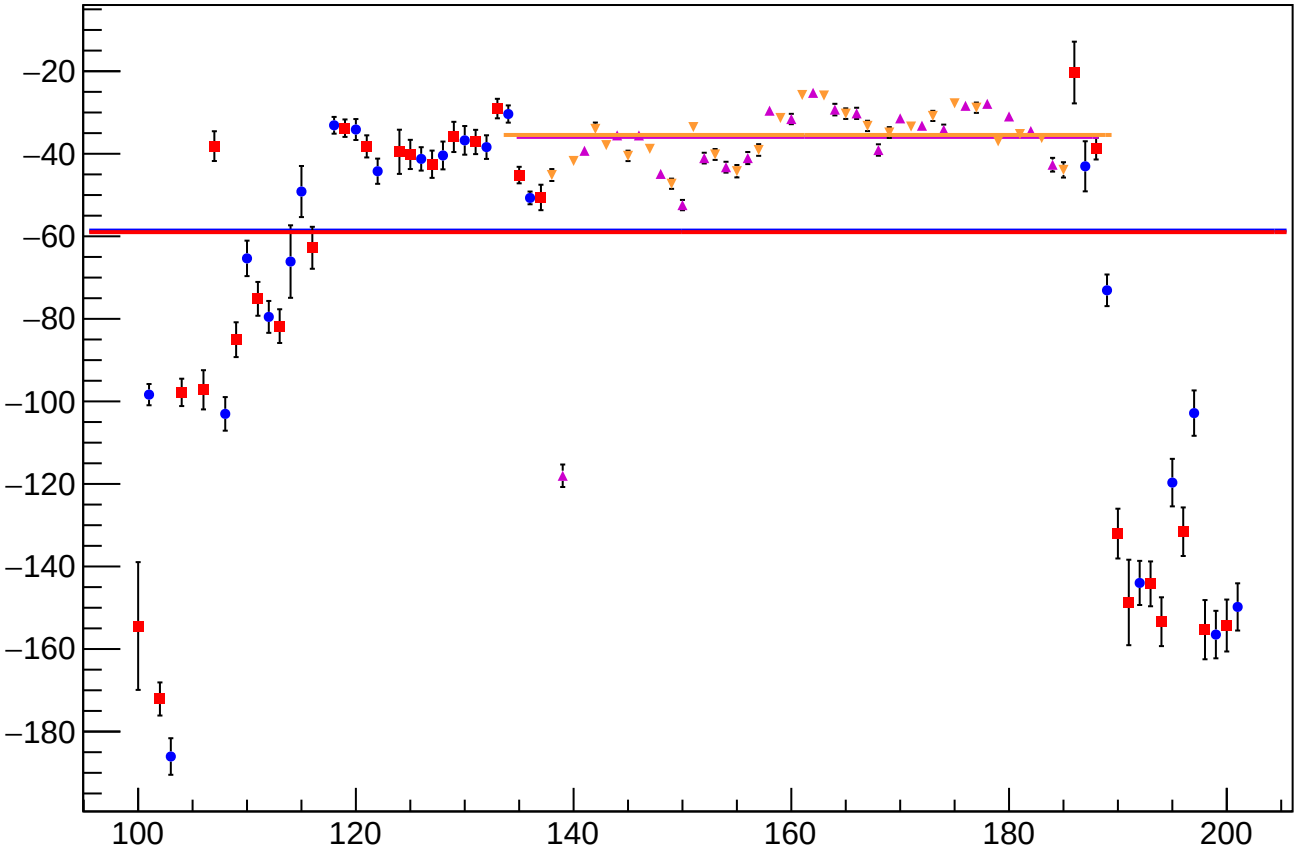
Right: -22.343+/-0.452 χ^2/NDF: 895.1/50

In: -32.939+/-0.289 χ^2/NDF:1235.8/45

Out: -34.026+/-0.279 χ^2/NDF:1415.0/52

All: -33.502+/-0.201 χ^2/NDF: 2658.2/98

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -58.989+/-0.686 χ^2/NDF: 3102.9/27

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

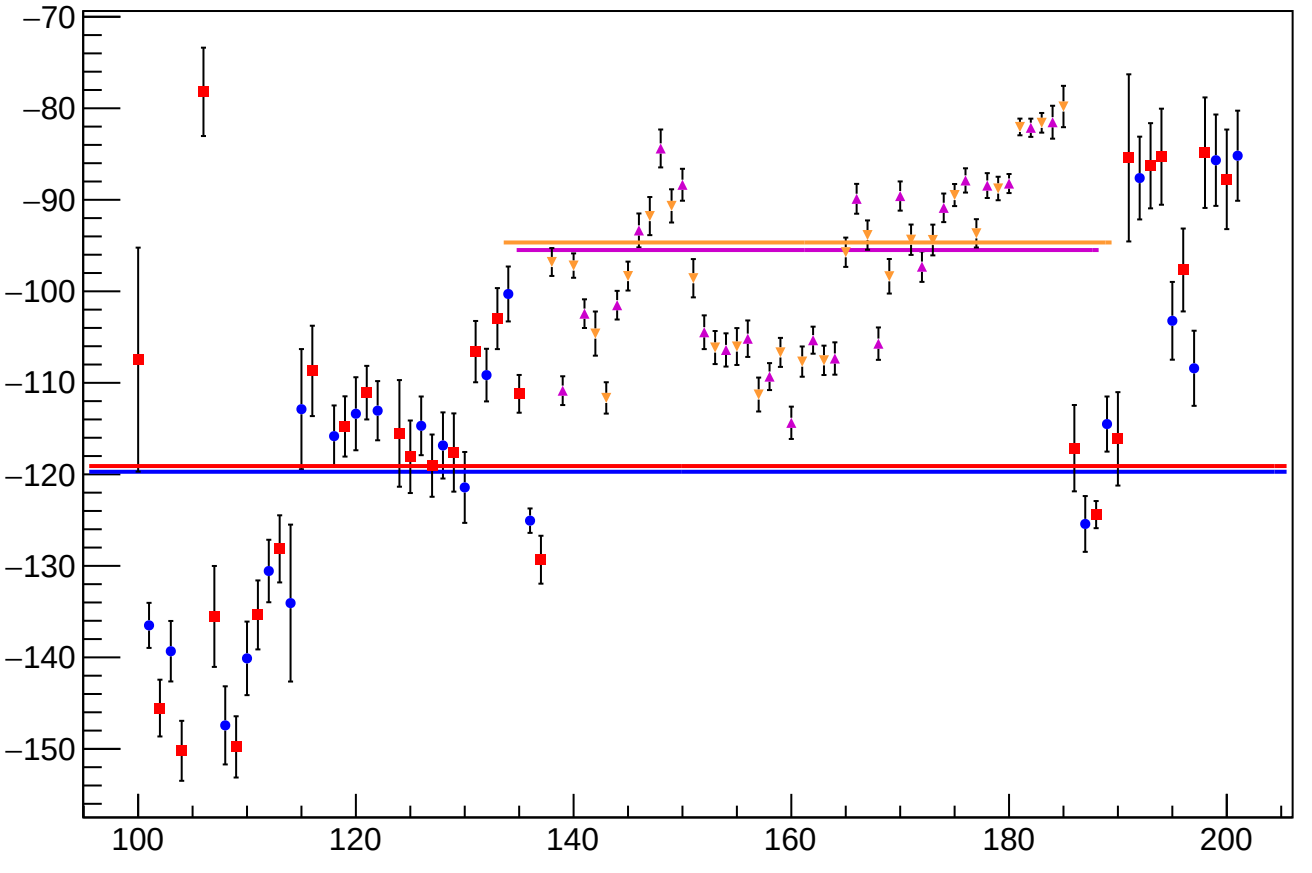
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -58.796+/-0.478 χ^2/NDF: 5957.3/50

In: -38.831+/-0.239 χ^2/NDF:5407.1/45

Out: -38.101+/-0.231 χ^2/NDF:4684.6/52

All: -38.453+/-0.166 χ^2/NDF: 10096.6/98



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: -119.093+/-0.659 χ^2/NDF: 640.4/27

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

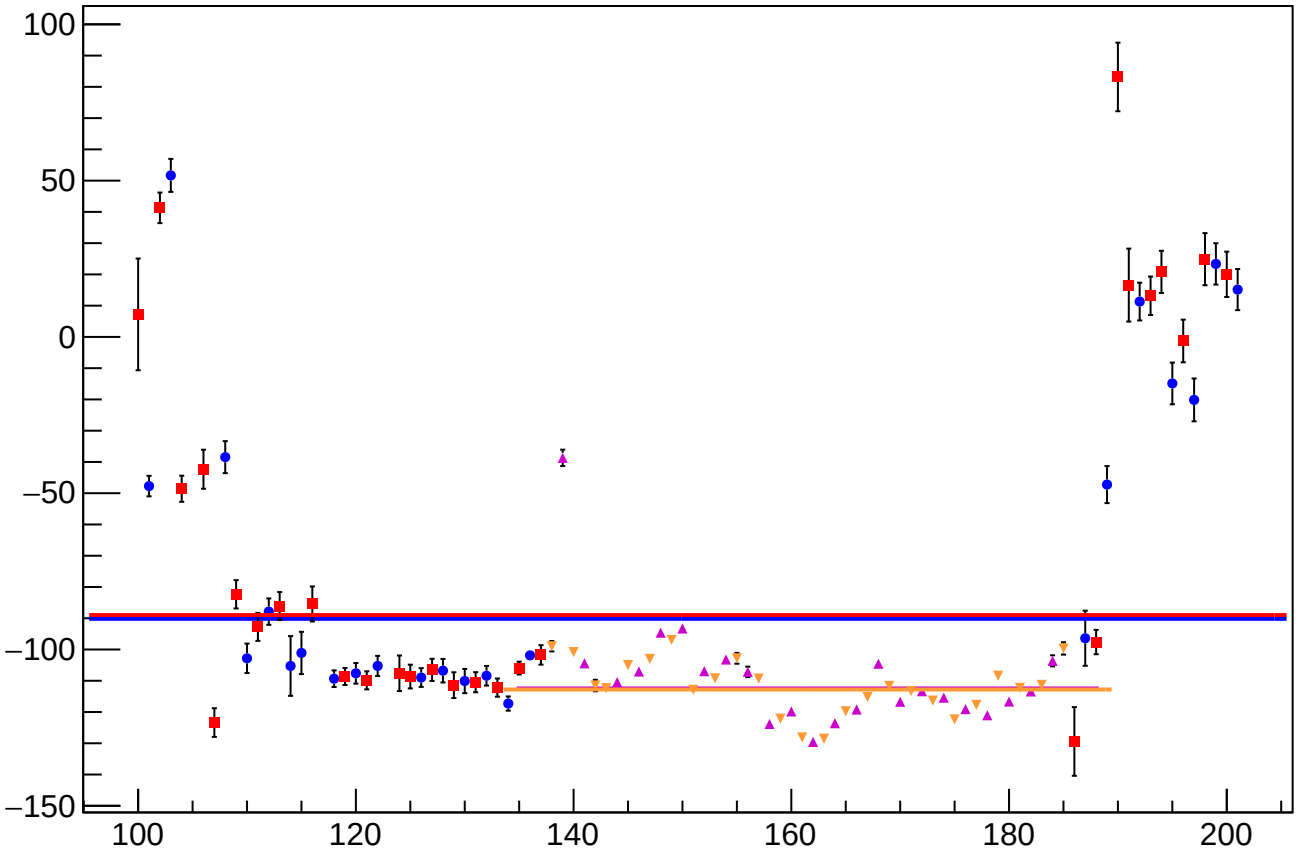
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -119.401+/-0.469 χ^2/NDF: 1062.5/50

In: -100.038+/-0.289 χ^2/NDF:2460.1/45

Out: -99.081+/-0.280 χ^2/NDF:2665.1/52

All: -99.544+/-0.201 χ^2/NDF: 5130.8/98



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: -88.981+/-0.790 χ^2/NDF: 2803.0/27

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

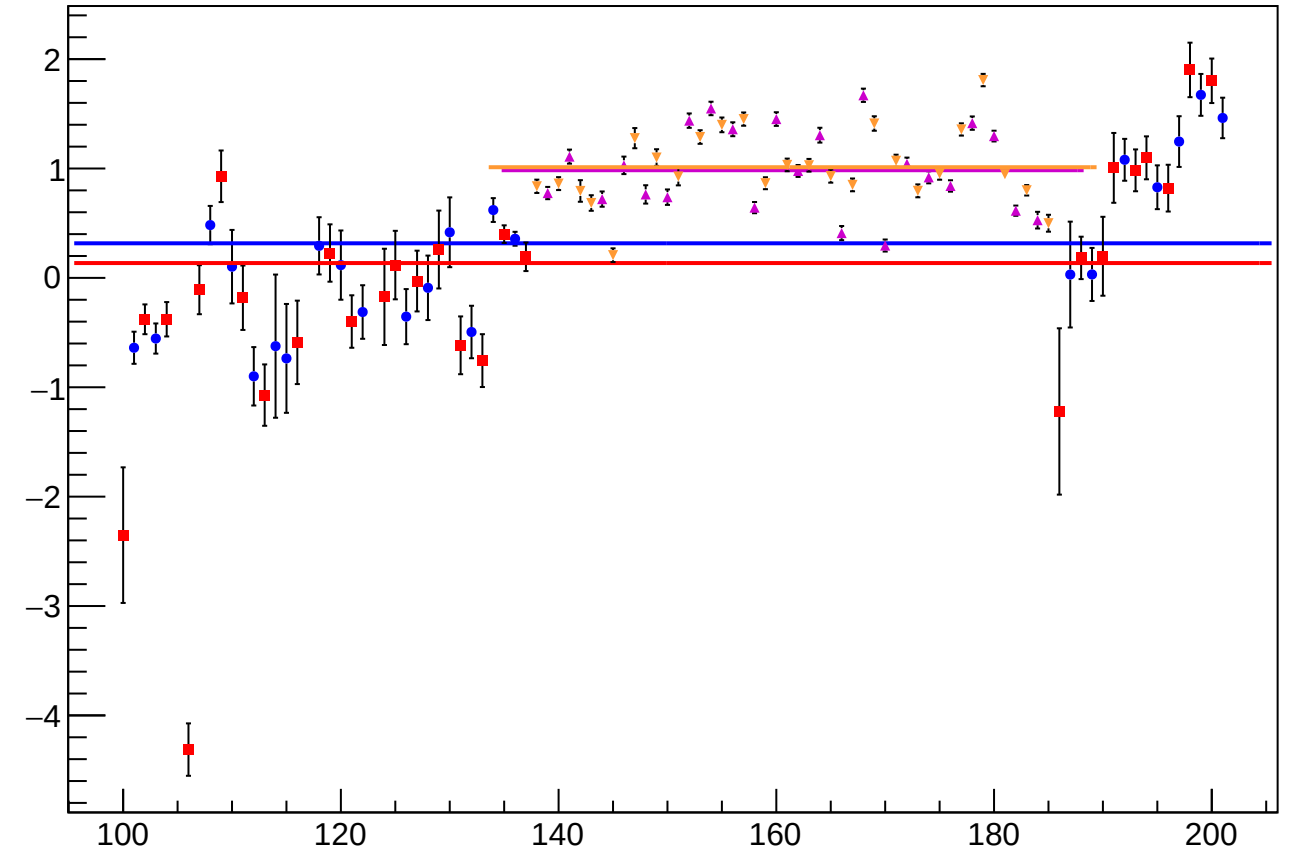
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -89.608+/-0.546 χ^2/NDF: 5345.4/50

In: -109.697+/-0.267 χ^2/NDF:5090.2/45

Out: -110.238+/-0.259 χ^2/NDF:4550.0/52

All: -109.975+/-0.186 χ^2/NDF: 9642.3/98



Right In: 0.316+/-0.037 χ^2/NDF: 275.4/22

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.136+/-0.039 χ^2/NDF: 642.3/27

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

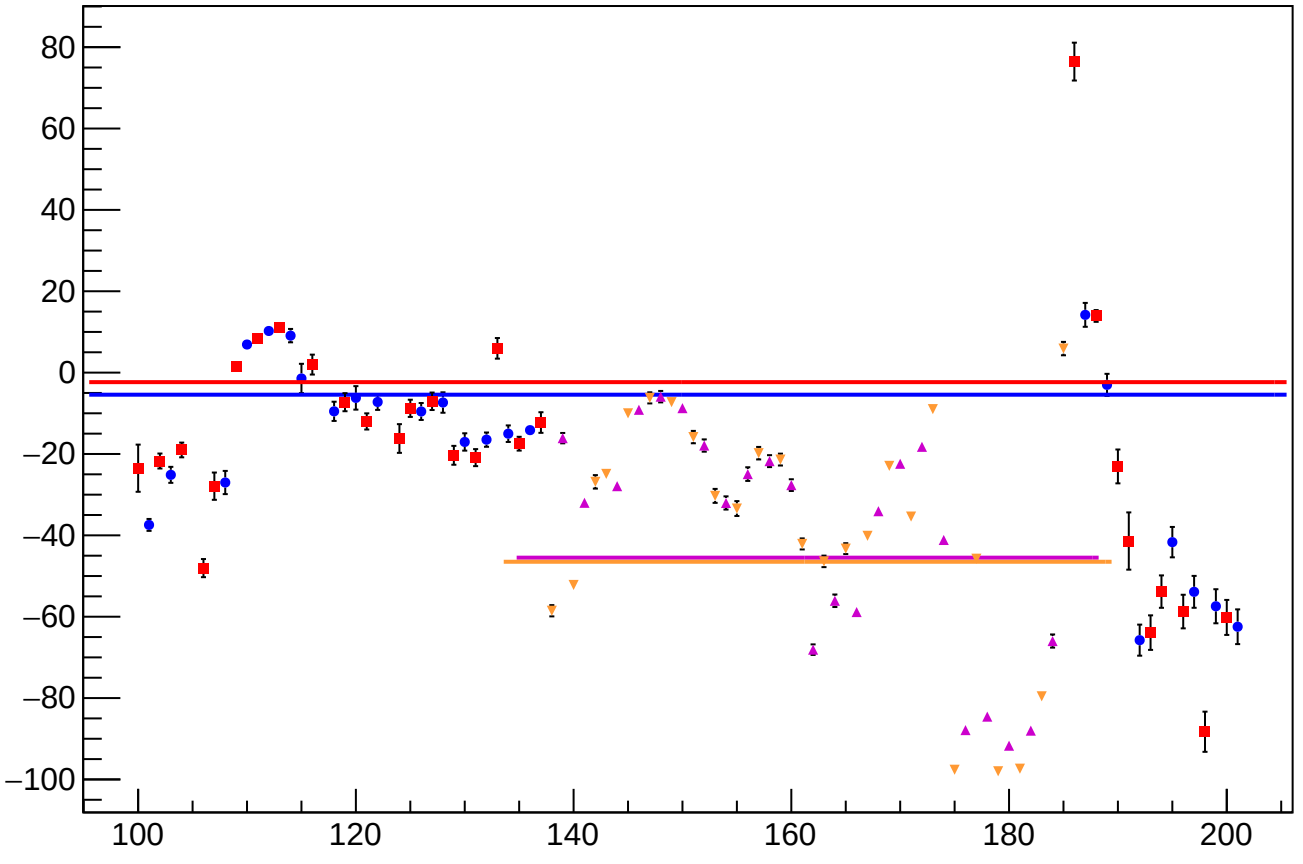
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.231+/-0.027 χ^2/NDF: 929.0/50

In: 0.915+/-0.012 χ^2/NDF:1470.2/45

Out: 0.933+/-0.012 χ^2/NDF:1793.0/52

All: 0.924+/-0.008 χ^2/NDF: 3264.3/98



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: -2.340+/-0.323 χ^2/NDF: 3046.6/27

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

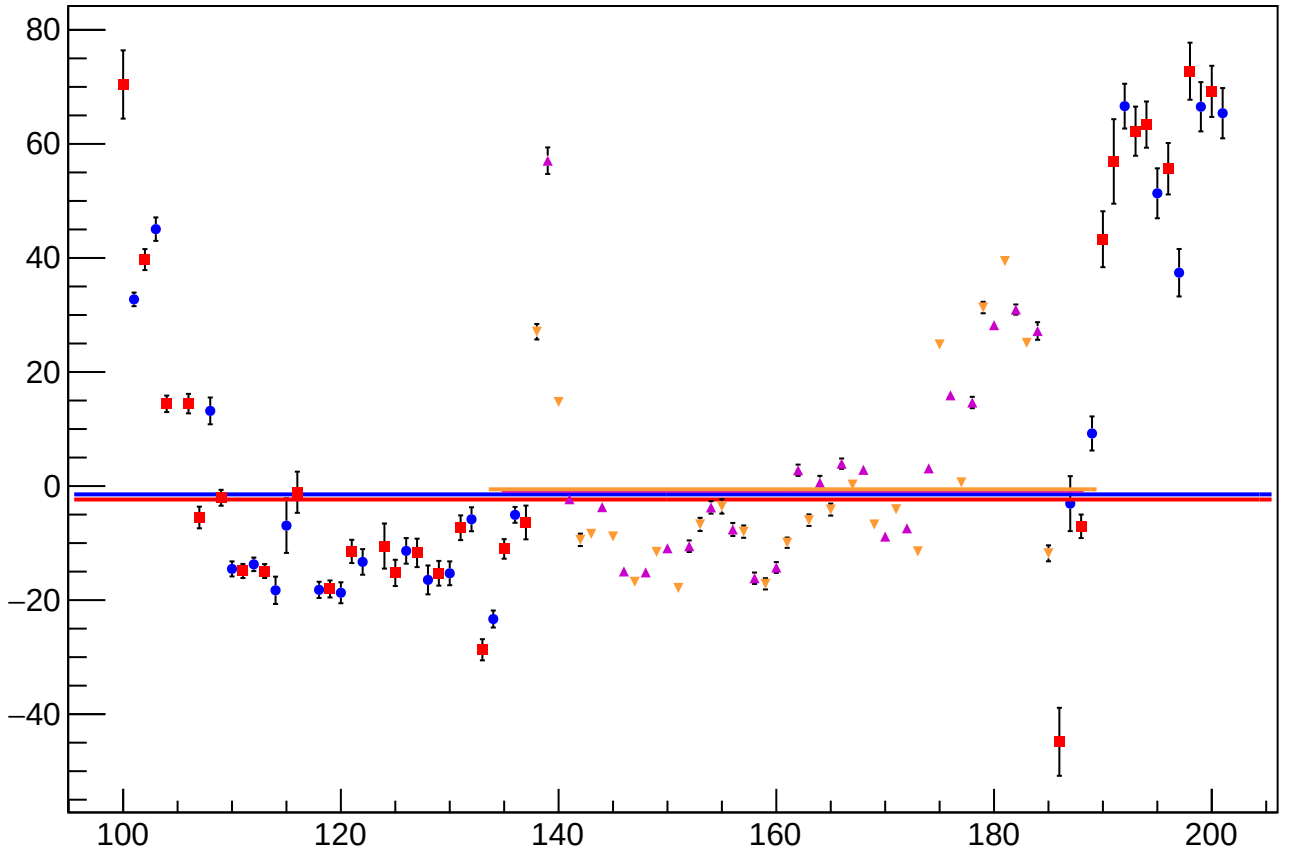
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -3.705+/-0.241 χ^2/NDF: 5516.4/50

In: -33.438+/-0.199 χ^2/NDF:26544.2/45

Out: -31.612+/-0.187 χ^2/NDF:35504.6/52

All: -32.471+/-0.136 χ^2/NDF: 62093.5/98



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: -2.359+/-0.402 χ^2/NDF: 2904.1/27

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

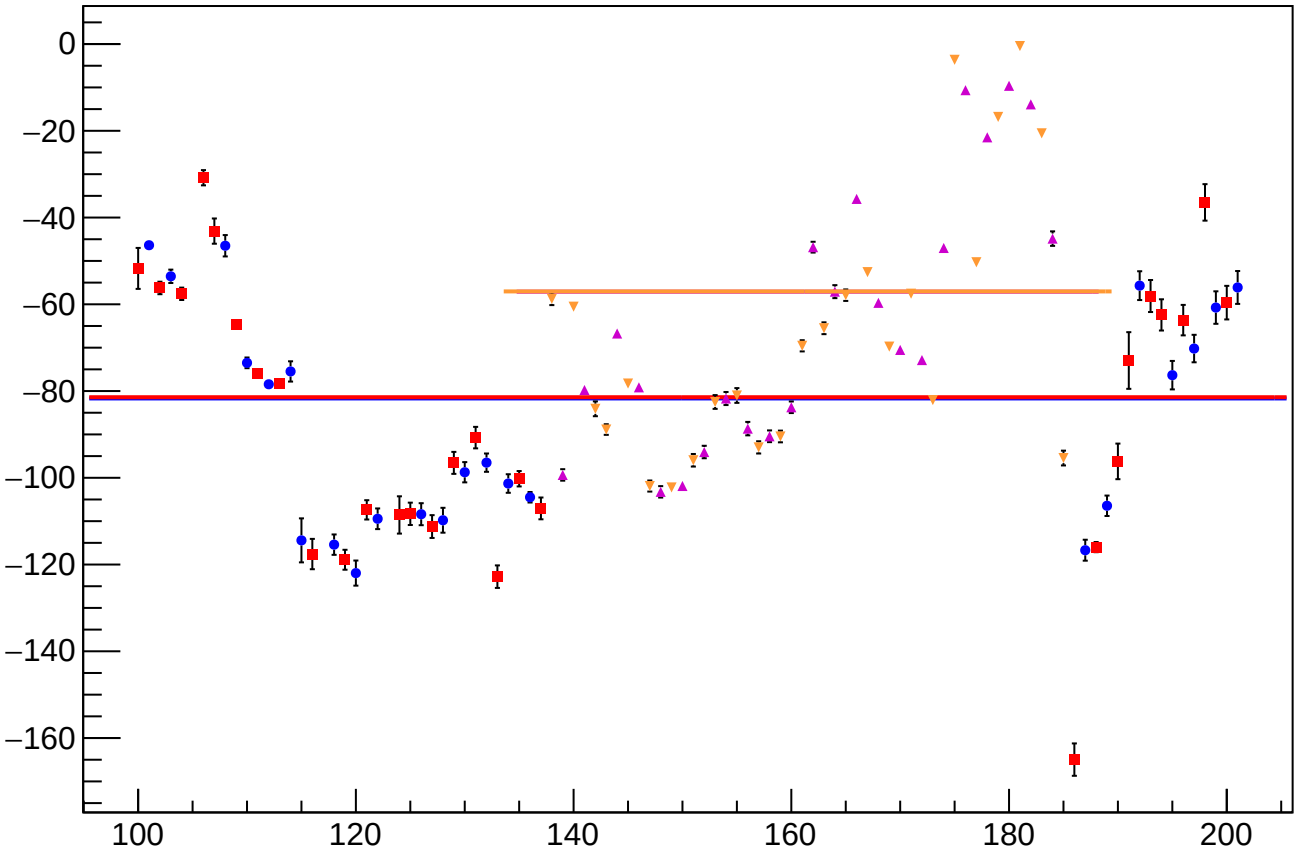
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -1.922+/-0.289 χ^2/NDF: 6136.3/50

In: -0.931+/-0.167 χ^2/NDF:9348.2/45

Out: -0.863+/-0.162 χ^2/NDF:11372.1/52

All: -0.896+/-0.116 χ^2/NDF: 20720.4/98



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: -81.425+/-0.378 χ^2/NDF: 4850.0/27

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

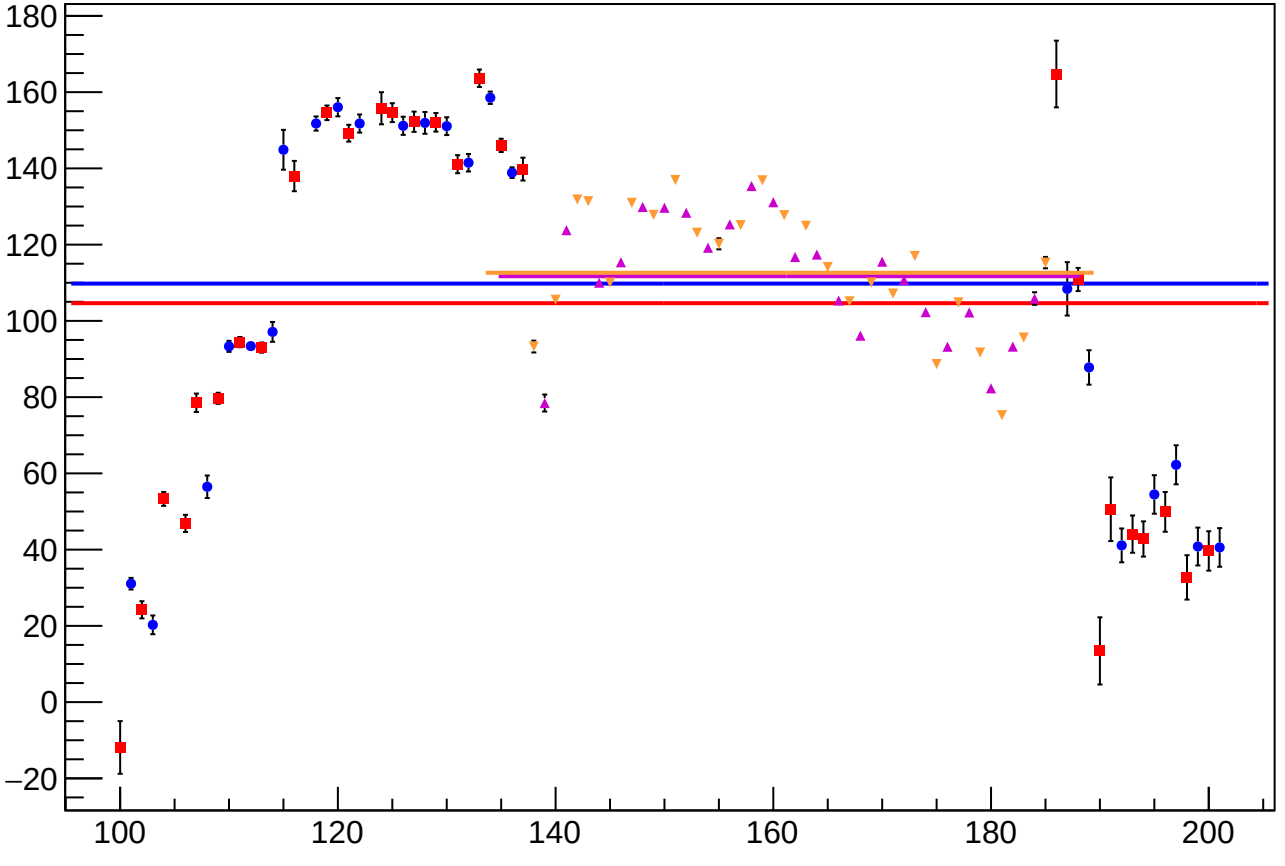
Right: -81.554+/-0.278 χ^2/NDF: 8197.2/50

In: -63.264+/-0.205 χ^2/NDF:23229.0/45

Out: -63.612+/-0.196 χ^2/NDF:28198.7/52

All: -63.445+/-0.142 χ^2/NDF: 51429.2/98

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: 104.643+/-0.462 χ^2/NDF: 8534.6/27

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

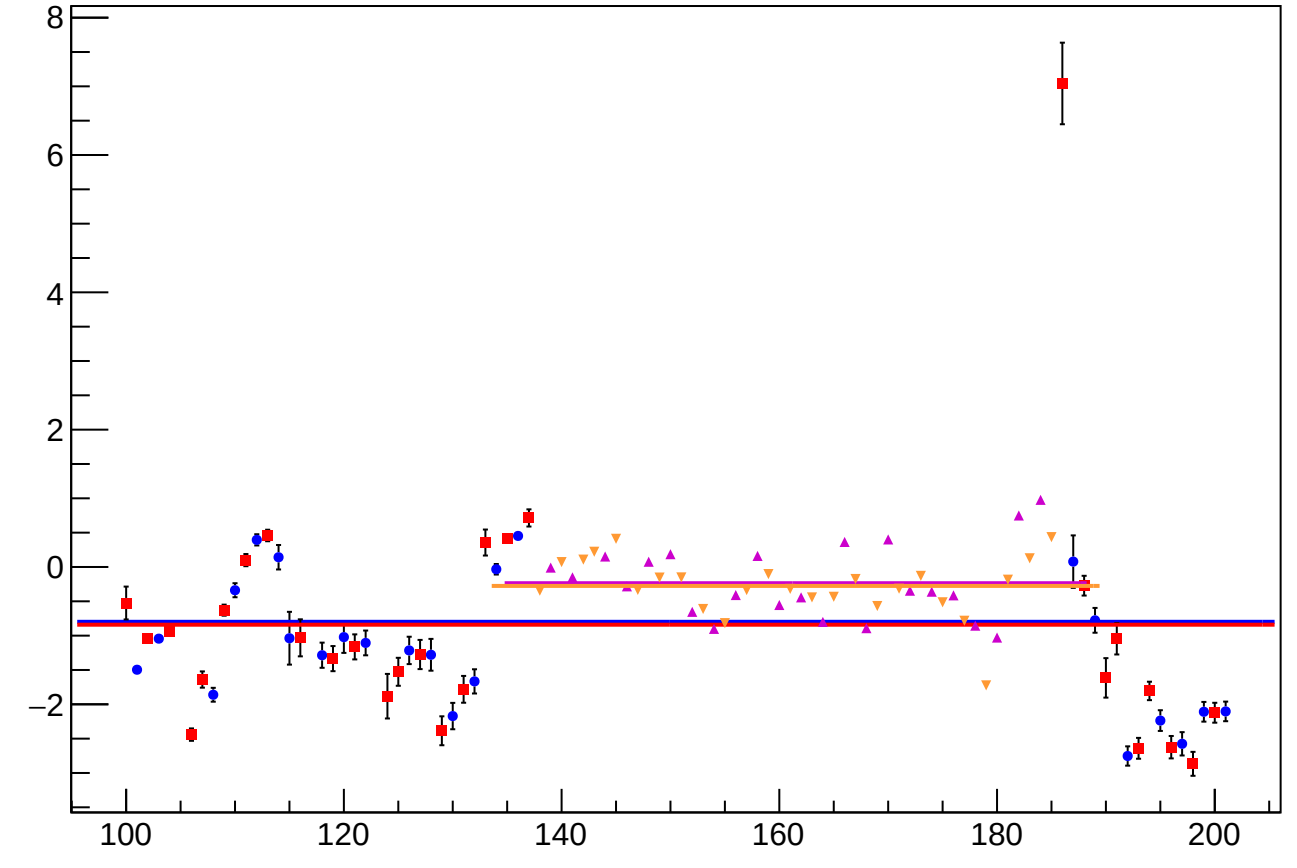
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 107.146+/-0.331 χ^2/NDF: 17694.9/50

In: 111.411+/-0.189 χ^2/NDF:14010.9/45

Out: 111.364+/-0.183 χ^2/NDF:15494.3/52

All: 111.387+/-0.132 χ^2/NDF: 29505.3/98



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: -0.841+/-0.023 χ^2/NDF: 2093.3/27

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

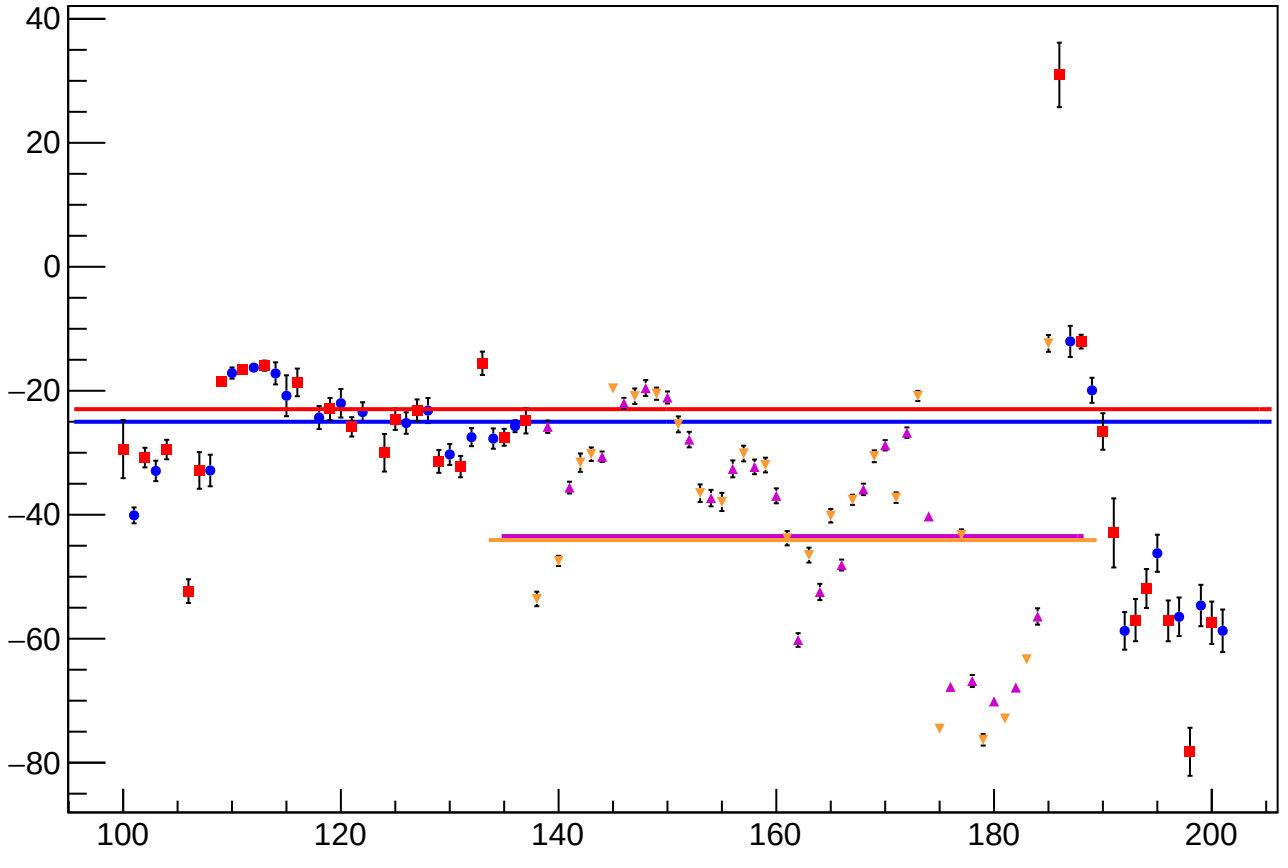
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.820+/-0.017 χ^2/NDF: 3837.3/50

In: -0.309+/-0.009 χ^2/NDF:5189.6/45

Out: -0.350+/-0.008 χ^2/NDF:4734.5/52

All: -0.330+/-0.006 χ^2/NDF: 9935.6/98



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: -22.967+/-0.300 χ^2/NDF: 1371.1/27

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

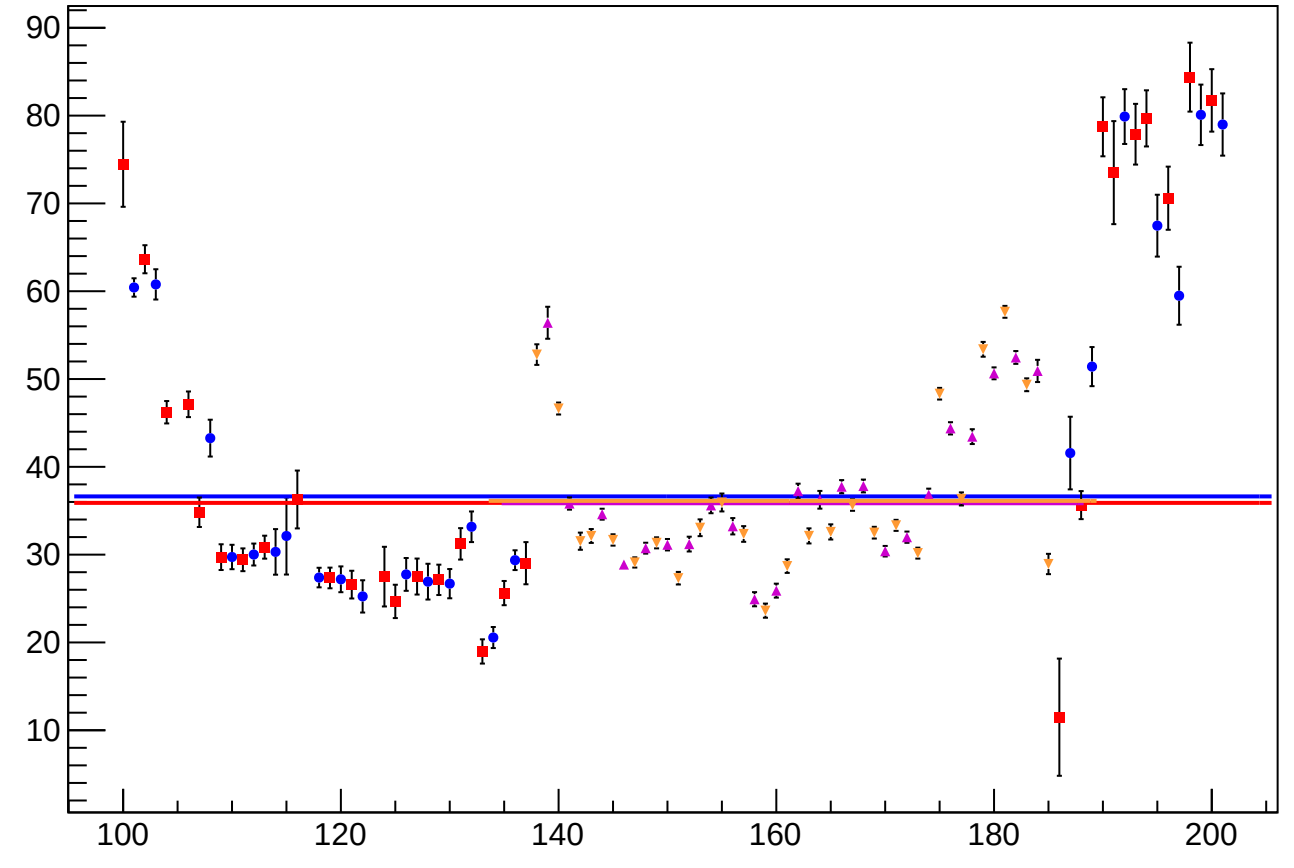
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -23.886+/-0.222 χ^2/NDF: 2298.1/50

In: -38.551+/-0.170 χ^2/NDF:11012.0/45

Out: -37.914+/-0.162 χ^2/NDF:15210.9/52

All: -38.217+/-0.118 χ^2/NDF: 26230.2/98



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: 35.894+/-0.351 χ^2/NDF: 1902.8/27

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

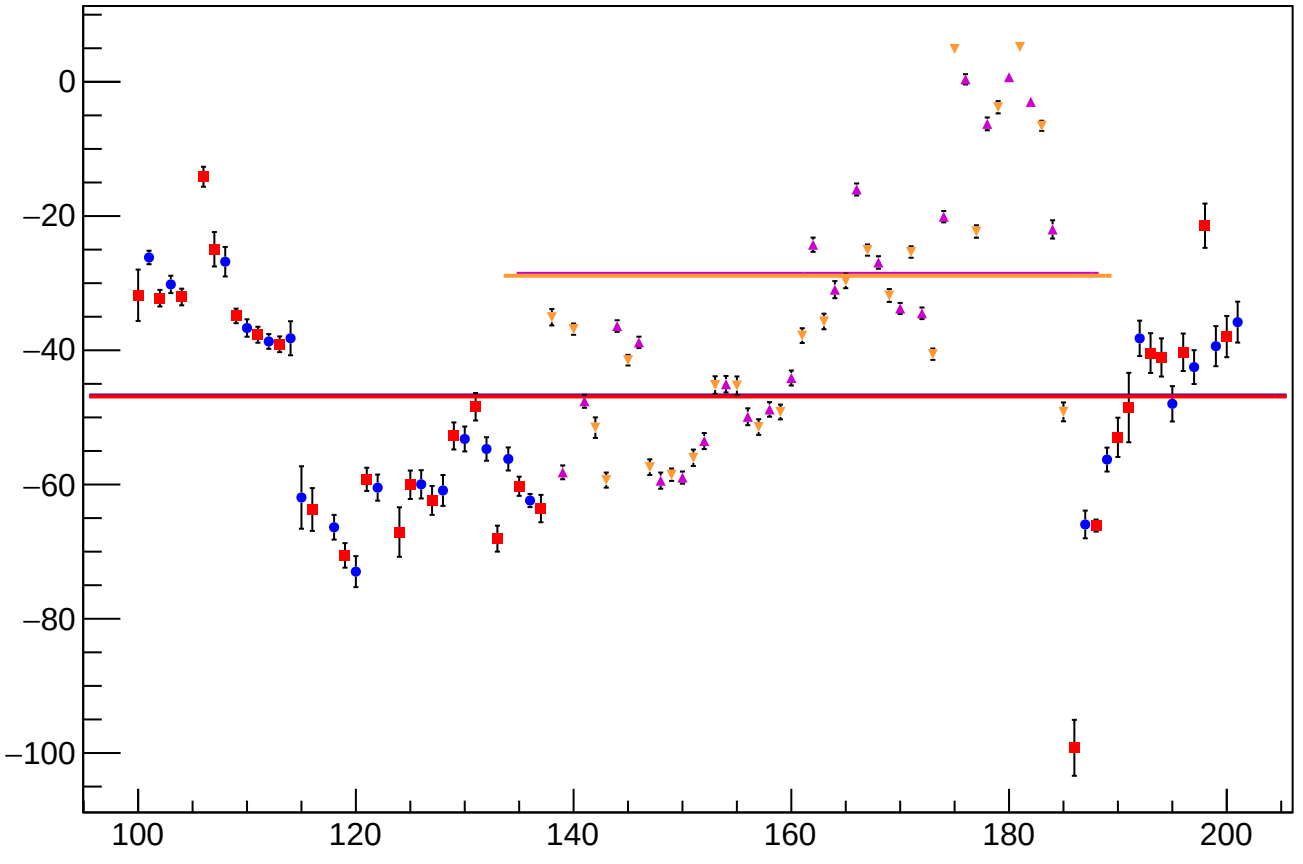
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 36.255+/-0.250 χ^2/NDF: 3806.3/50

In: 35.975+/-0.142 χ^2/NDF:4198.9/45

Out: 36.088+/-0.138 χ^2/NDF:5461.7/52

All: 36.033+/-0.099 χ^2/NDF: 9660.9/98



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: -46.876+/-0.333 χ^2/NDF: 2434.4/27

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

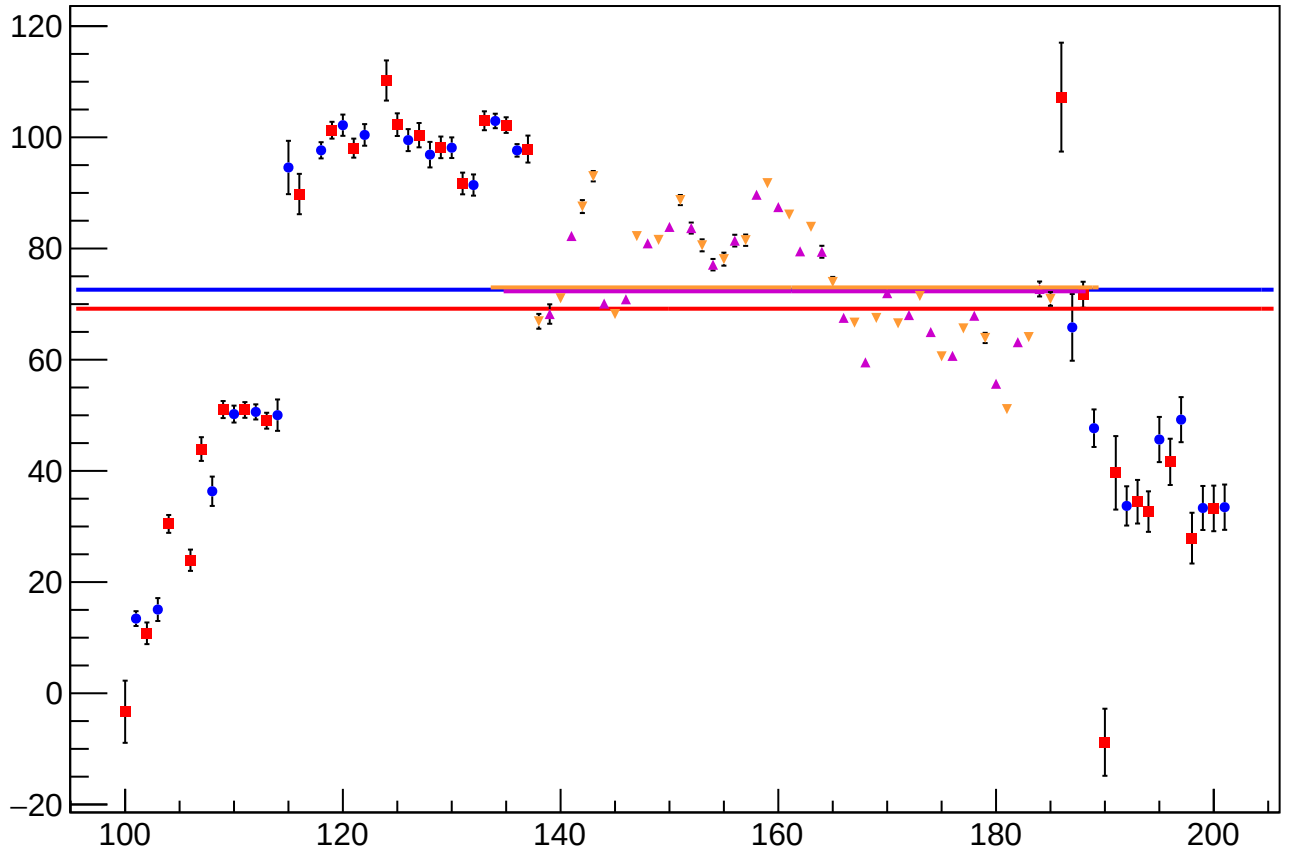
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -46.812+/-0.244 χ^2/NDF: 4073.9/50

In: -32.841+/-0.173 χ^2/NDF:13618.2/45

Out: -33.398+/-0.167 χ^2/NDF:16414.3/52

All: -33.130+/-0.120 χ^2/NDF: 30037.8/98



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: 69.172+/-0.406 χ^2/NDF: 6241.5/27

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

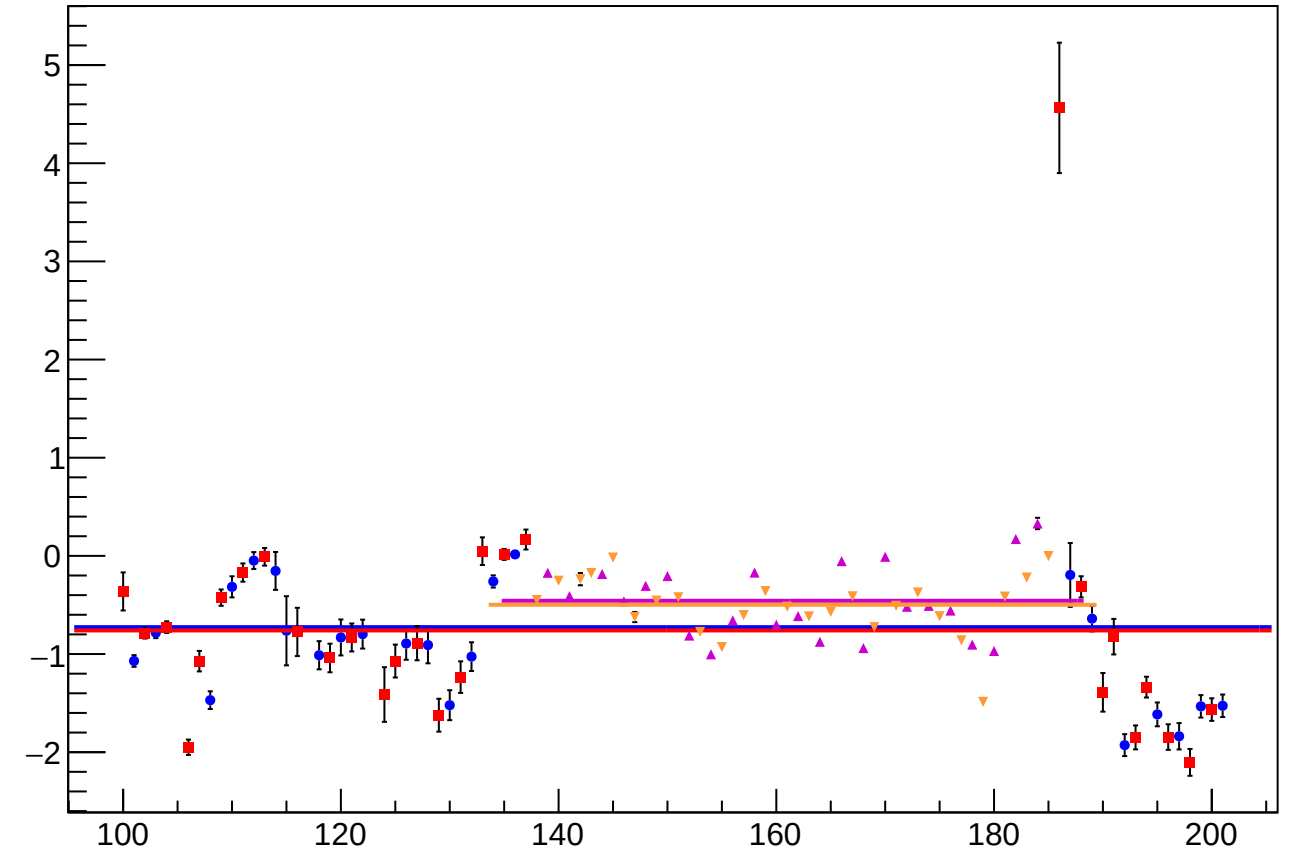
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.861+/-0.289 χ^2/NDF: 12582.6/50

In: 72.346+/-0.160 χ^2/NDF:9219.0/45

Out: 72.439+/-0.156 χ^2/NDF:10369.9/52

All: 72.394+/-0.111 χ^2/NDF: 19589.1/98



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: -0.760+/-0.020 χ^2/NDF: 1147.5/27

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

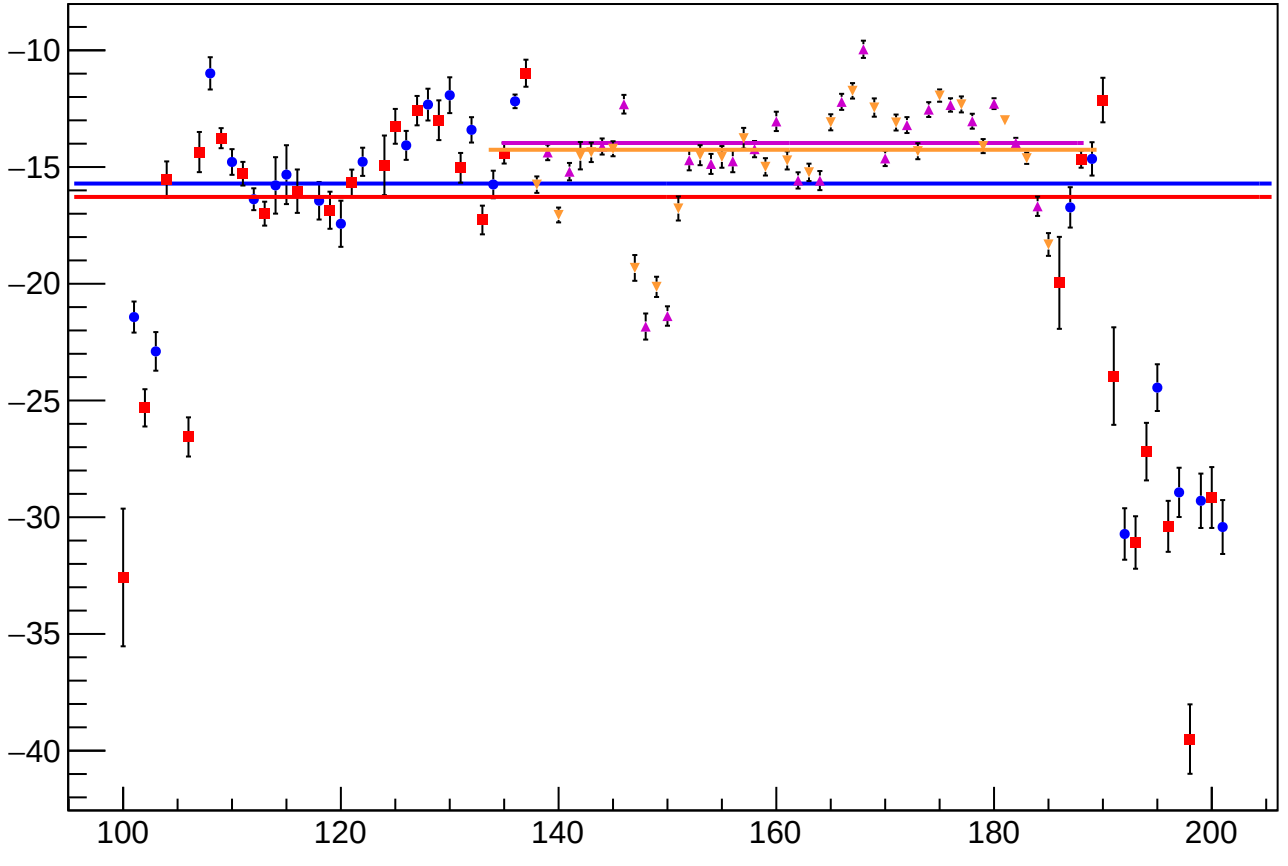
Right: -0.743+/-0.014 χ^2/NDF: 2035.2/50

In: -0.491+/-0.007 χ^2/NDF:3143.9/45

Out: -0.531+/-0.007 χ^2/NDF:2781.4/52

All: -0.511+/-0.005 χ^2/NDF: 5940.7/98

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: -16.281+/-0.133 χ^2/NDF: 1346.6/27

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

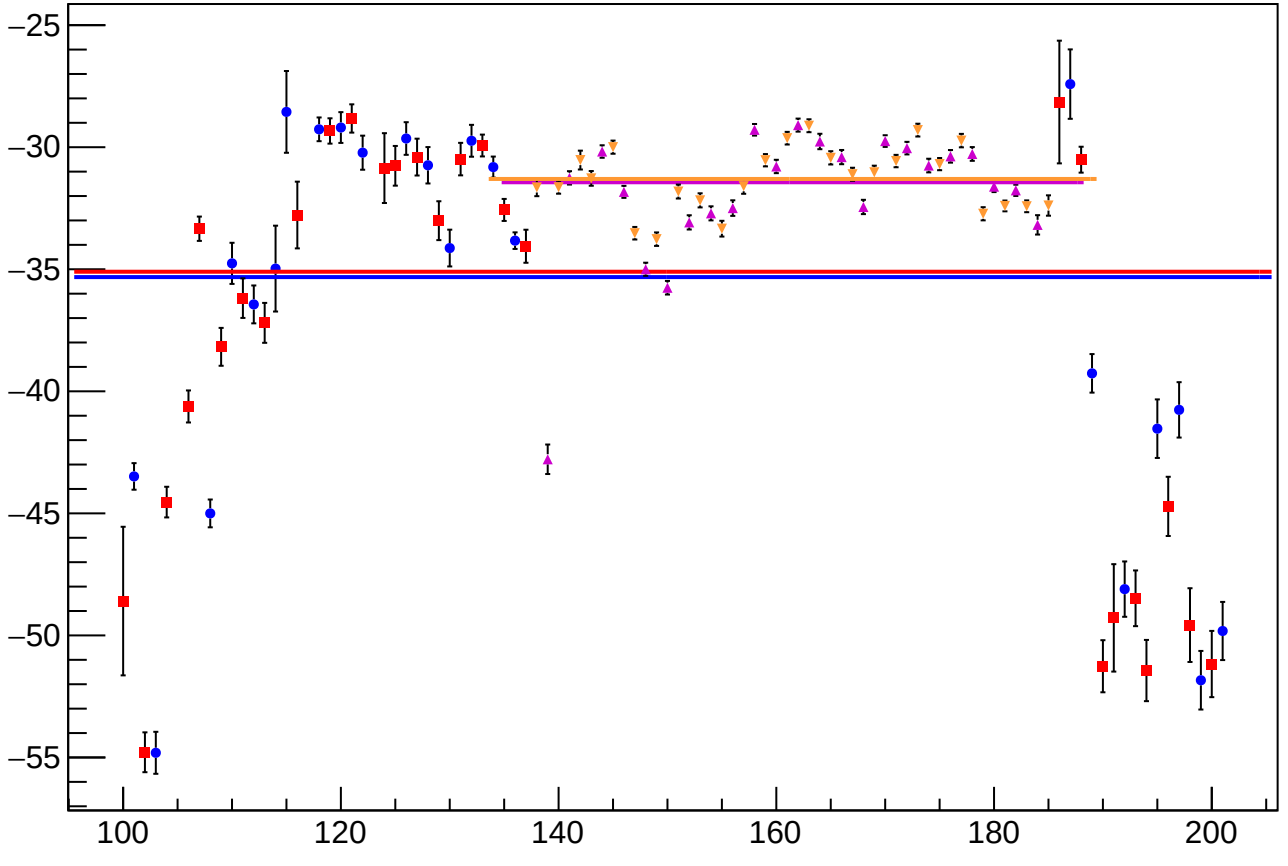
Right: -16.006+/-0.096 χ^2/NDF: 2502.9/50

In: -14.340+/-0.064 χ^2/NDF:2179.4/45

Out: -14.697+/-0.062 χ^2/NDF:2252.2/52

All: -14.524+/-0.044 χ^2/NDF: 4447.8/98

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: -35.101+/-0.141 χ^2/NDF: 2432.1/27

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

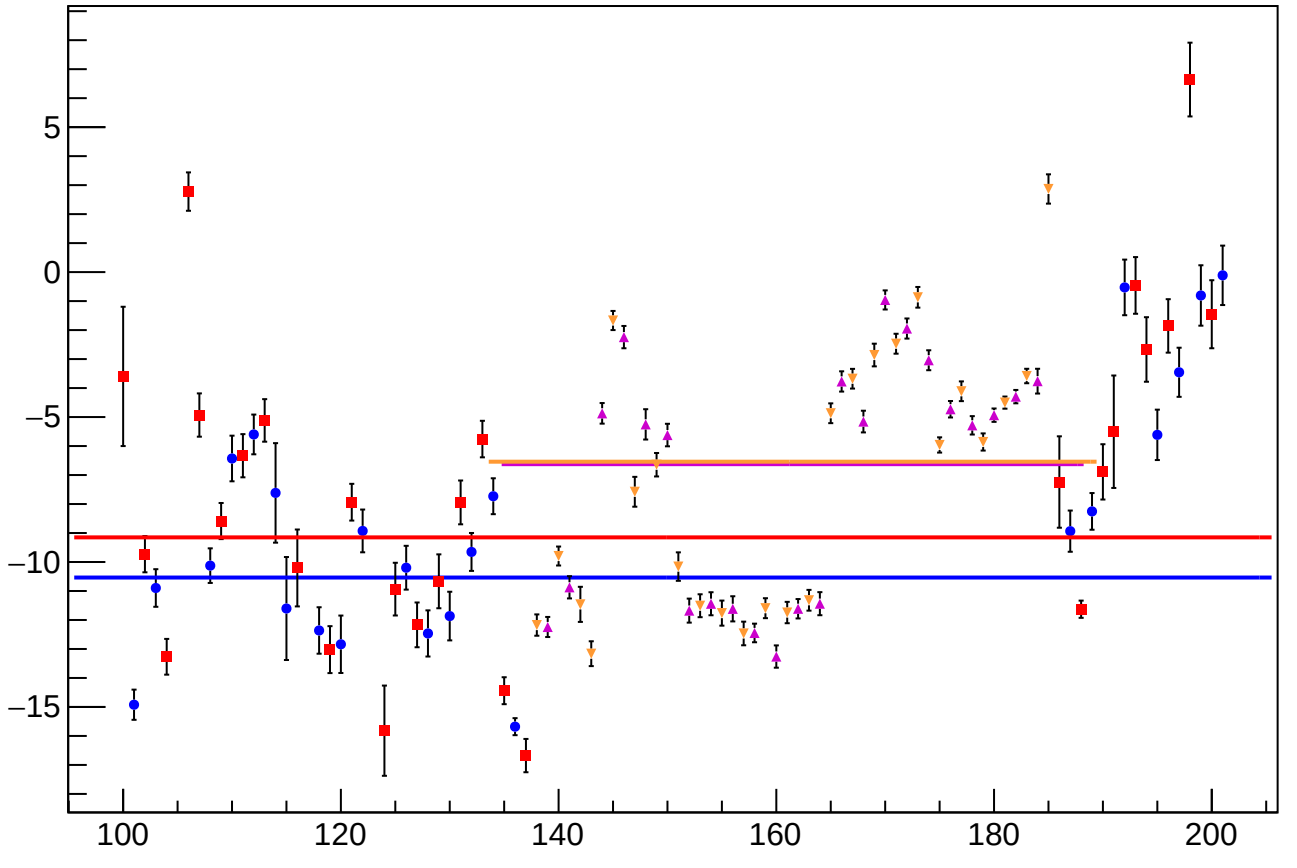
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.209+/-0.101 χ^2/NDF: 4666.5/50

In: -31.968+/-0.053 χ^2/NDF:4077.4/45

Out: -31.803+/-0.051 χ^2/NDF:3611.3/52

All: -31.883+/-0.037 χ^2/NDF: 7693.7/98



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: -9.150+/-0.136 χ^2/NDF: 1305.6/27

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

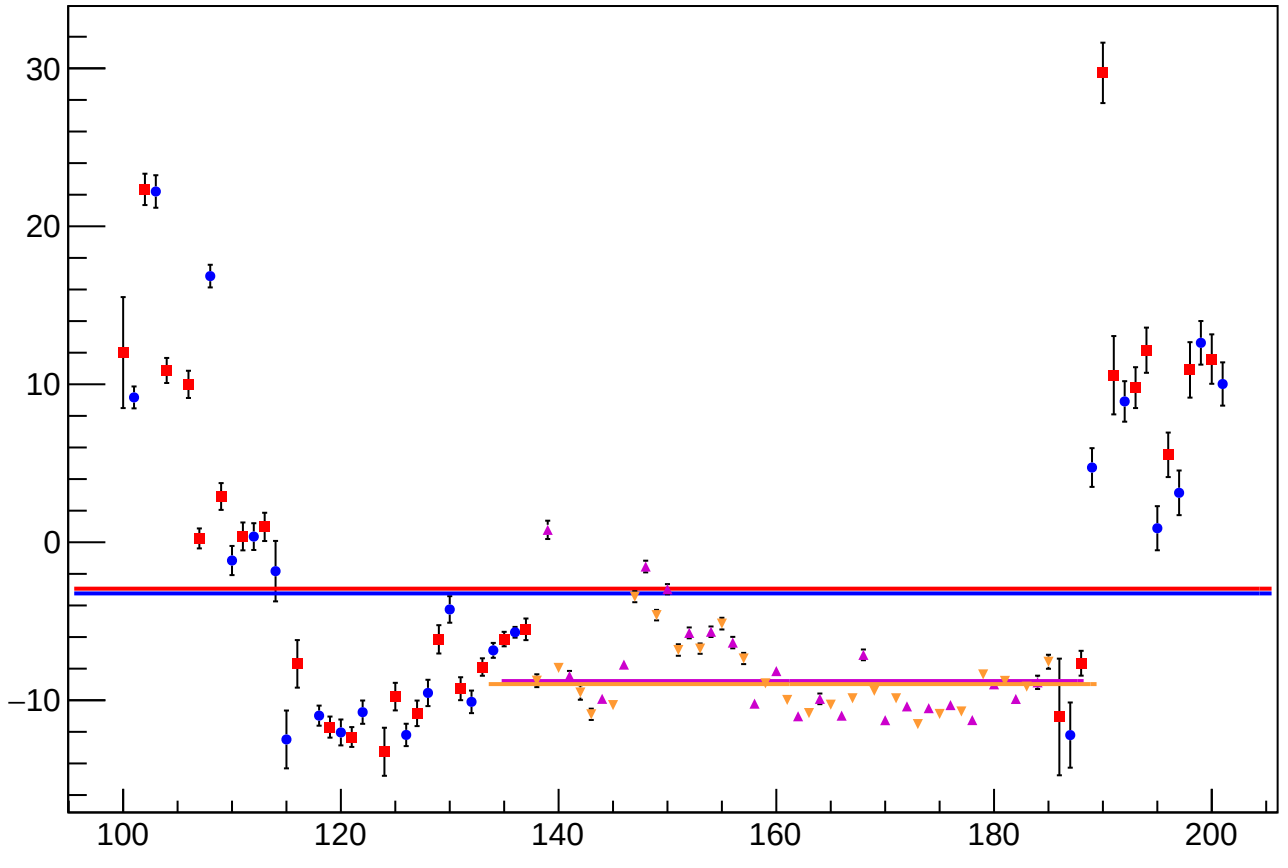
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.810+/-0.098 χ^2/NDF: 2282.1/50

In: -7.409+/-0.064 χ^2/NDF:4436.1/45

Out: -7.081+/-0.062 χ^2/NDF:4840.4/52

All: -7.240+/-0.044 χ^2/NDF: 9290.1/98



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: -2.937+/-0.165 χ^2/NDF: 2898.0/27

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

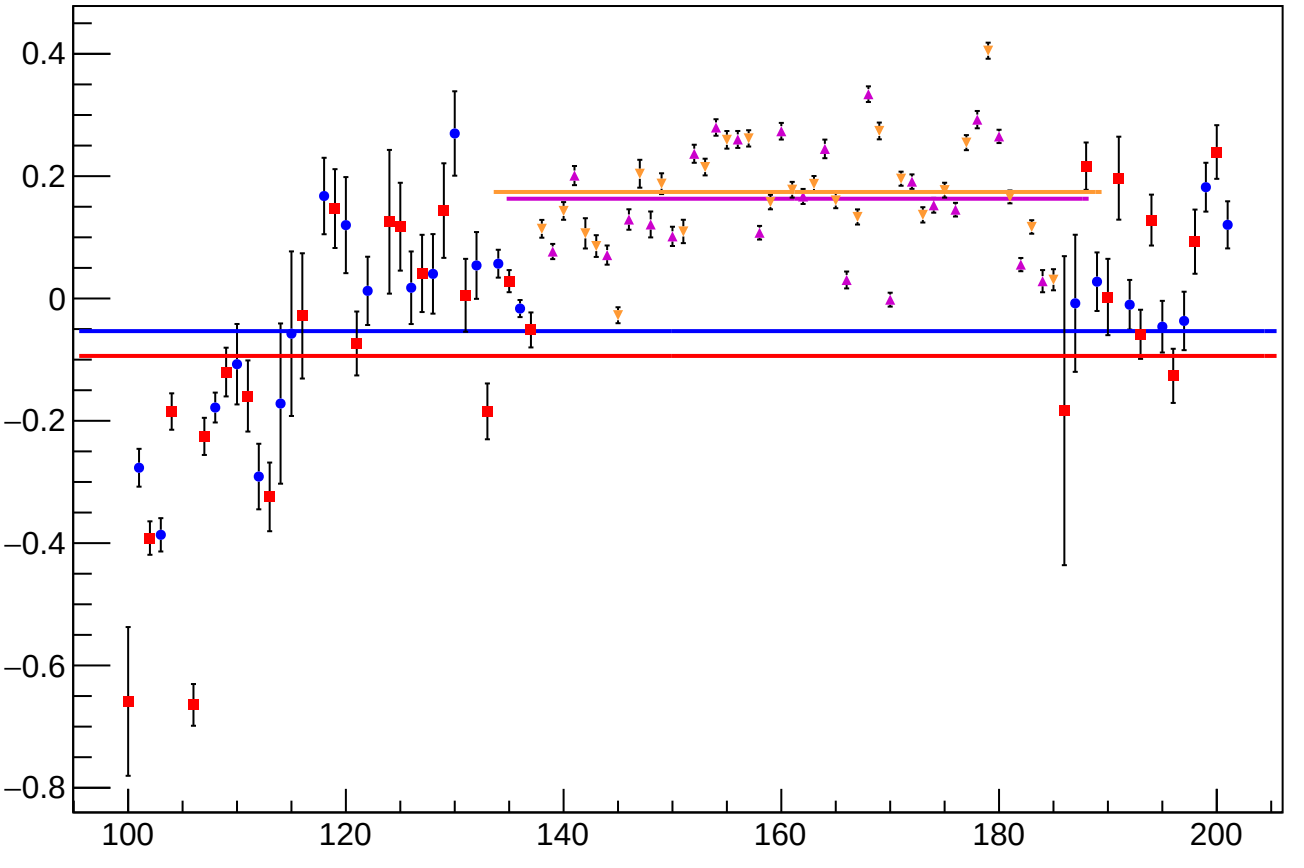
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.089+/-0.116 χ^2/NDF: 5859.4/50

In: -8.060+/-0.059 χ^2/NDF:5645.4/45

Out: -8.242+/-0.058 χ^2/NDF:5046.5/52

All: -8.153+/-0.041 χ^2/NDF: 10696.8/98



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: -0.094+/-0.008 χ^2/NDF: 747.1/27

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

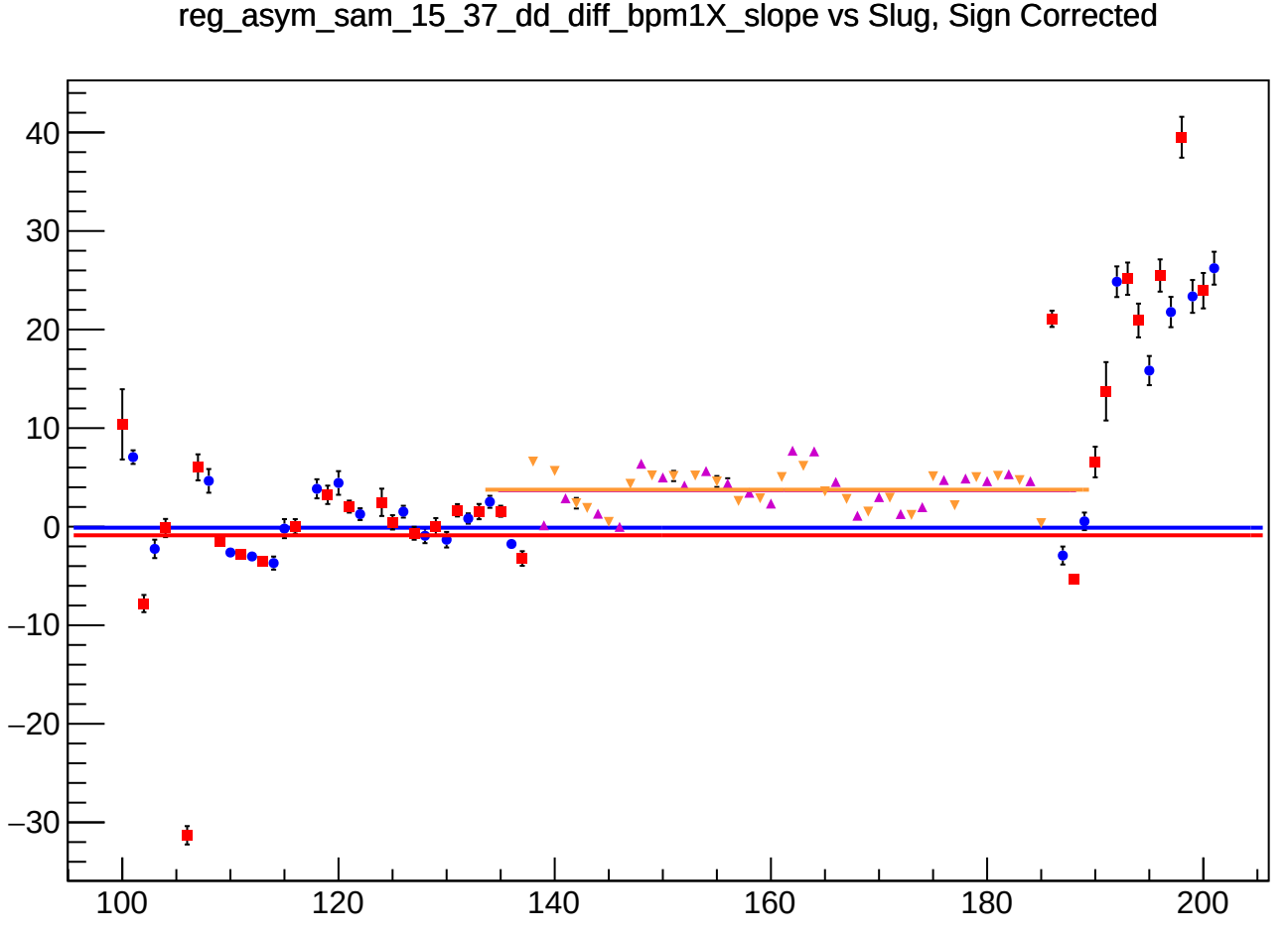
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

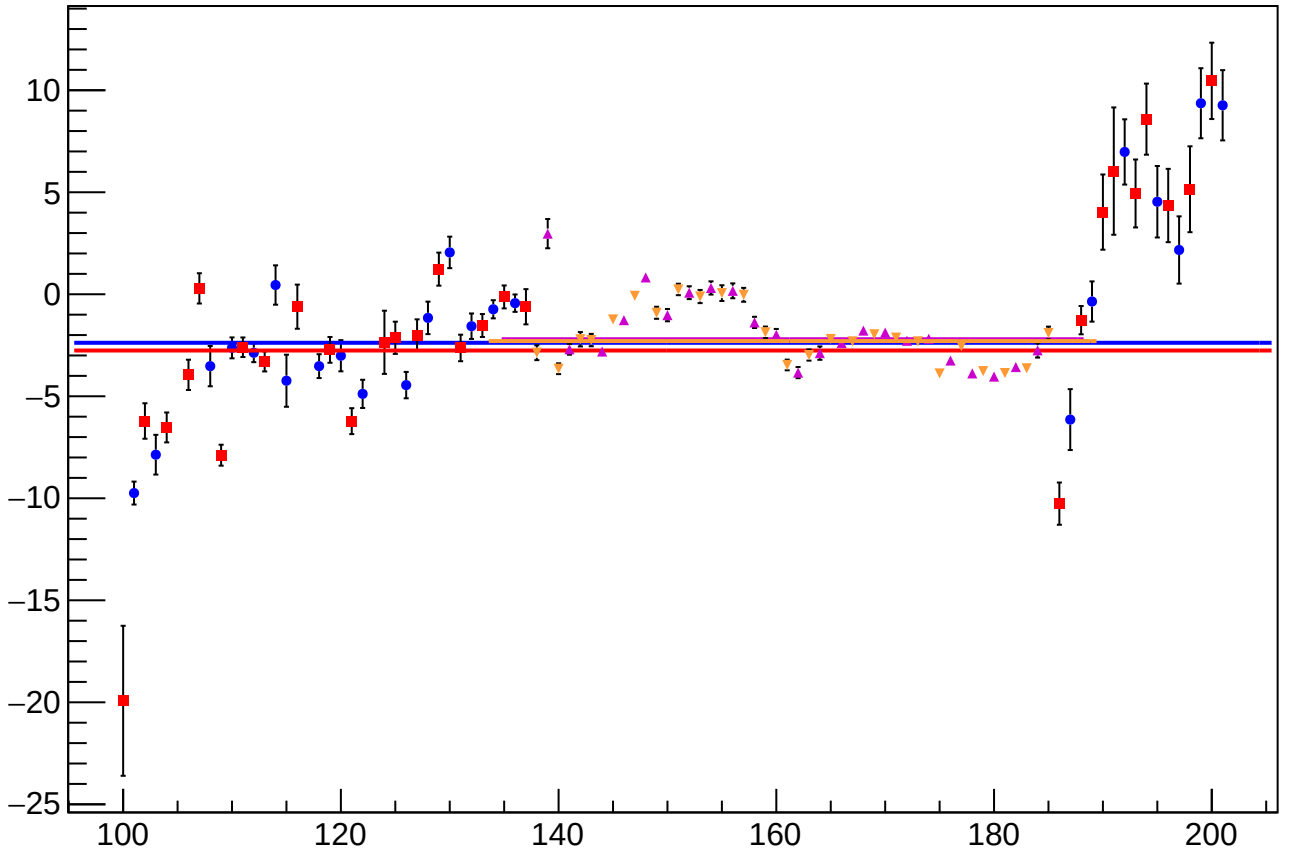
Right: -0.073+/-0.006 χ^2/NDF: 1147.3/50

In: 0.138+/-0.003 χ^2/NDF:2287.5/45

Out: 0.146+/-0.003 χ^2/NDF:2691.7/52

All: 0.142+/-0.002 χ^2/NDF: 4983.9/98


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: -0.103+/-0.131 χ²/NDF: 1446.7/22
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.874+/-0.121 χ²/NDF: 3477.7/27
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: -0.520+/-0.089 χ²/NDF: 4943.2/50
In: 2.962+/-0.057 χ²/NDF:3074.4/45
Out: 2.787+/-0.055 χ²/NDF:5446.9/52
All: 2.871+/-0.040 χ²/NDF: 8526.1/98



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: -2.757+/-0.149 χ^2/NDF: 498.9/27

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

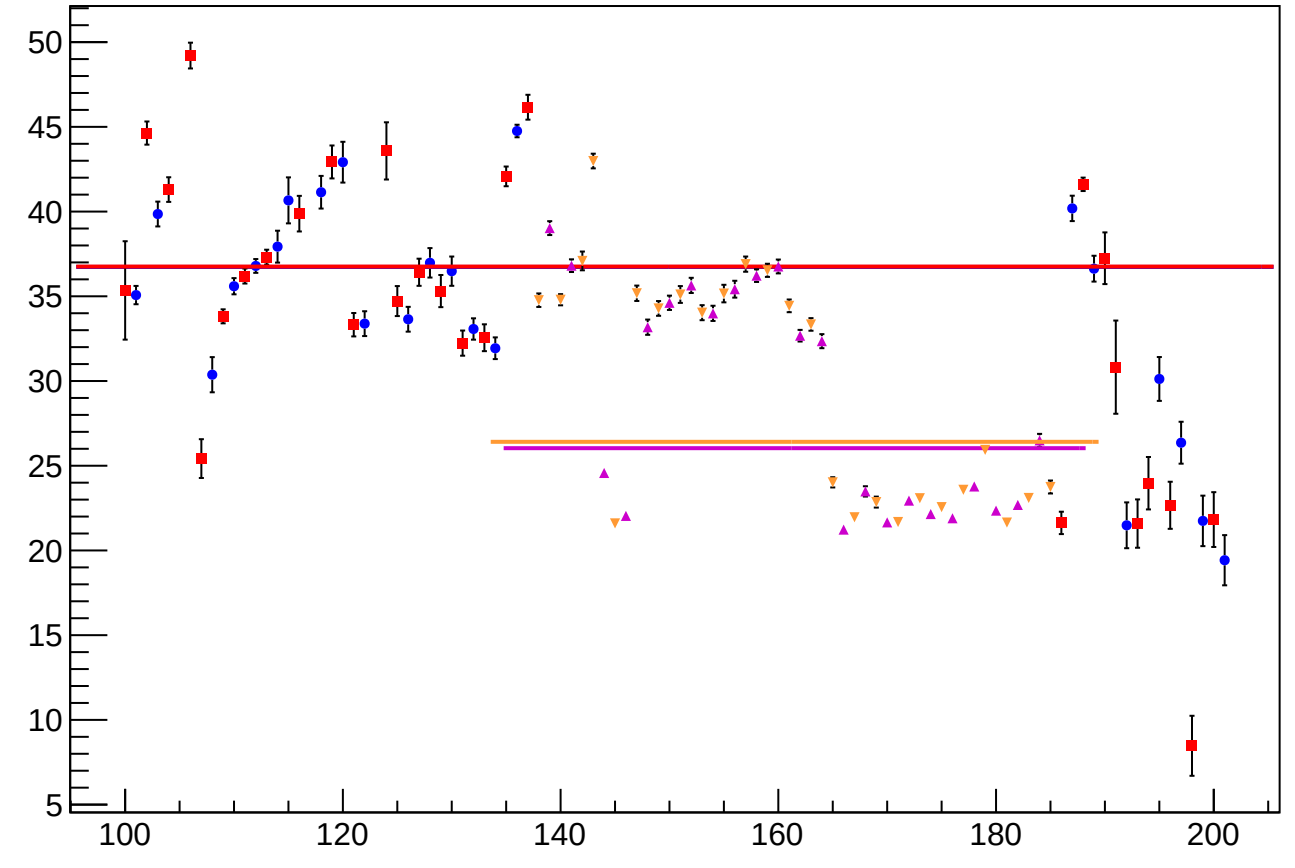
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.570+/-0.106 χ^2/NDF: 978.7/50

In: -2.222+/-0.048 χ^2/NDF:1202.5/45

Out: -2.341+/-0.047 χ^2/NDF:1139.1/52

All: -2.283+/-0.034 χ^2/NDF: 2344.7/98



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: 36.753+/-0.140 χ^2/NDF: 2307.7/27

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

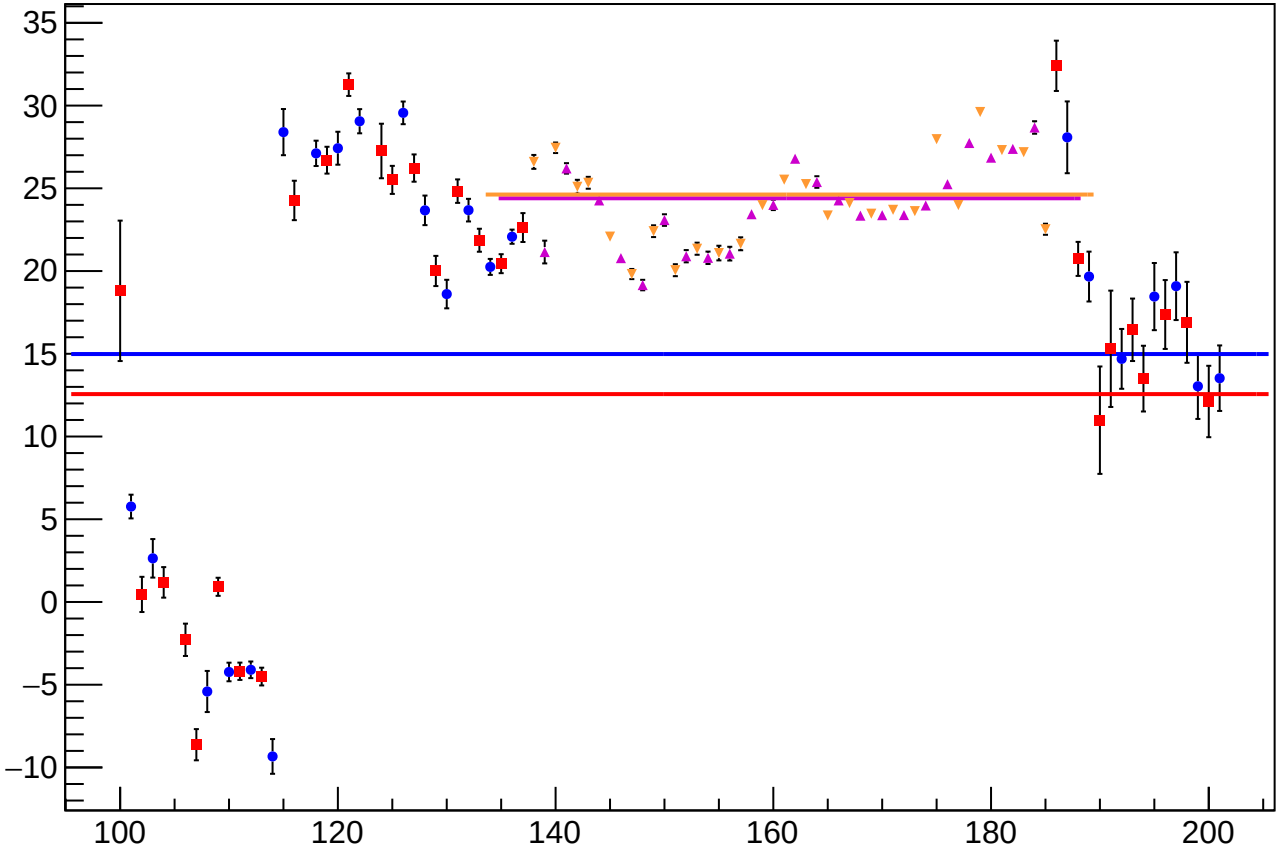
Right: 36.744+/-0.102 χ^2/NDF: 3517.1/50

In: 27.693+/-0.059 χ^2/NDF:13395.5/45

Out: 28.111+/-0.057 χ^2/NDF:16062.9/52

All: 27.908+/-0.041 χ^2/NDF: 29484.6/98

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: 12.563+/-0.170 χ^2/NDF: 6364.6/27

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

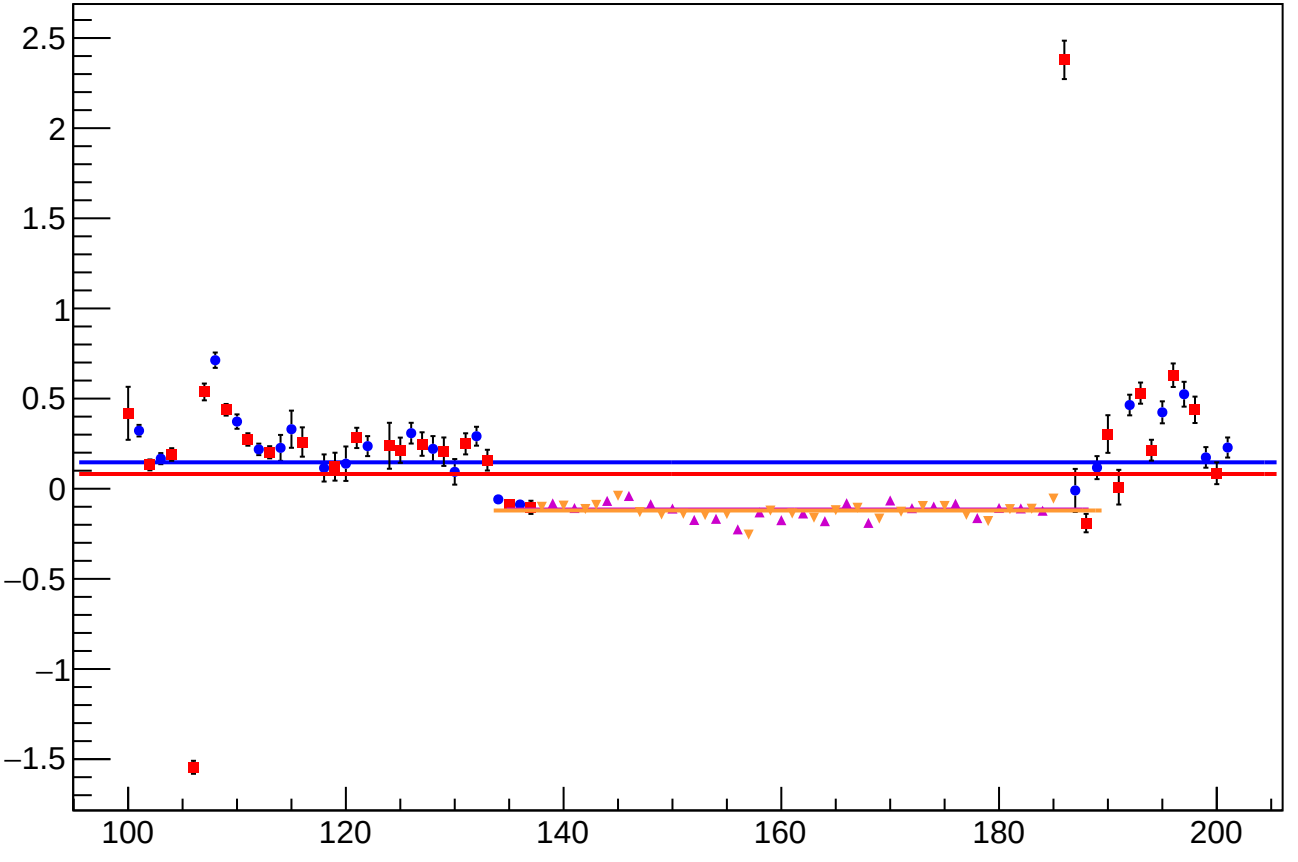
Right: 13.780+/-0.120 χ^2/NDF: 12208.7/50

In: 23.452+/-0.054 χ^2/NDF:10249.3/45

Out: 23.472+/-0.052 χ^2/NDF:12878.9/52

All: 23.462+/-0.037 χ^2/NDF: 23128.3/98

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.082+/-0.009 χ^2/NDF: 3092.8/27

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

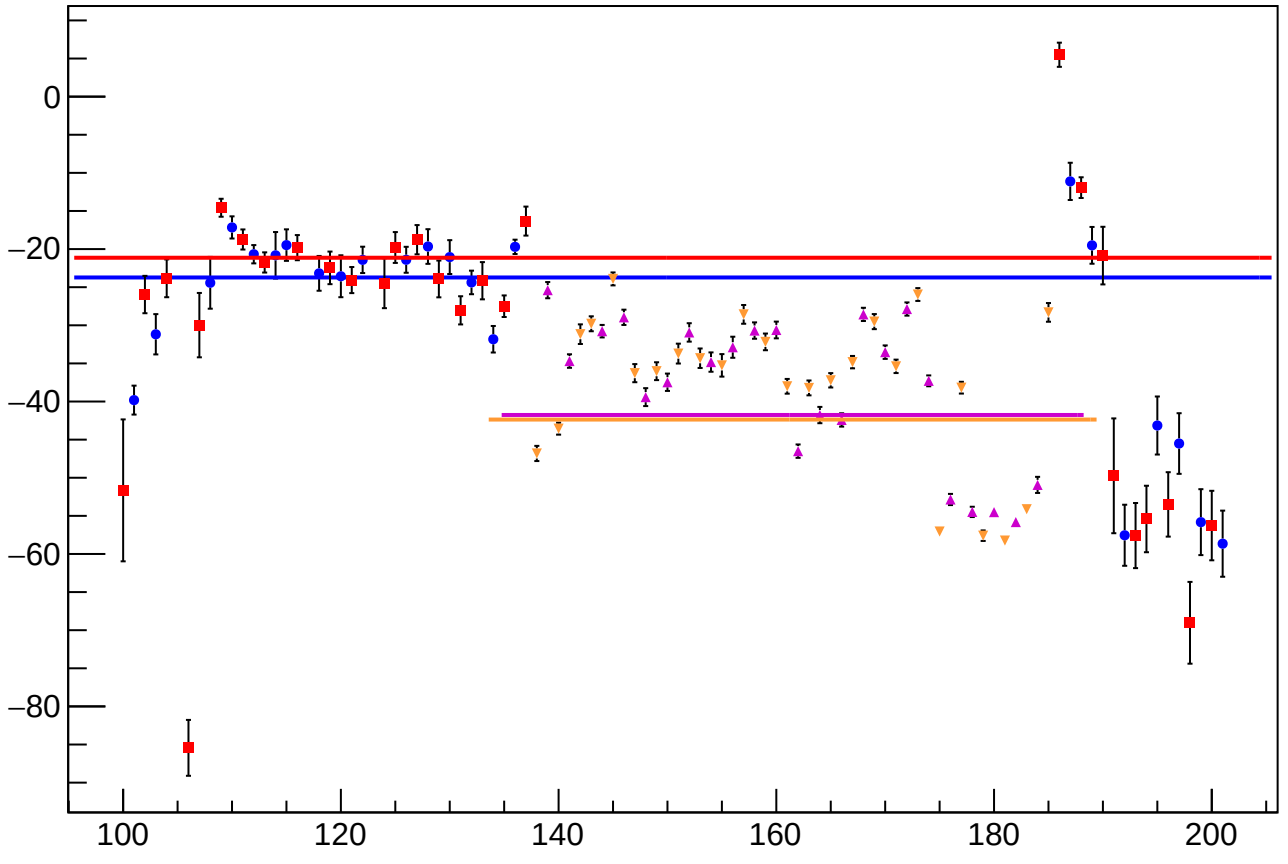
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.115+/-0.006 χ^2/NDF: 3731.7/50

In: -0.095+/-0.002 χ^2/NDF:1727.6/45

Out: -0.107+/-0.002 χ^2/NDF:3829.4/52

All: -0.101+/-0.002 χ^2/NDF: 5568.0/98



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: -21.136+/-0.391 χ^2/NDF: 1087.2/27

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

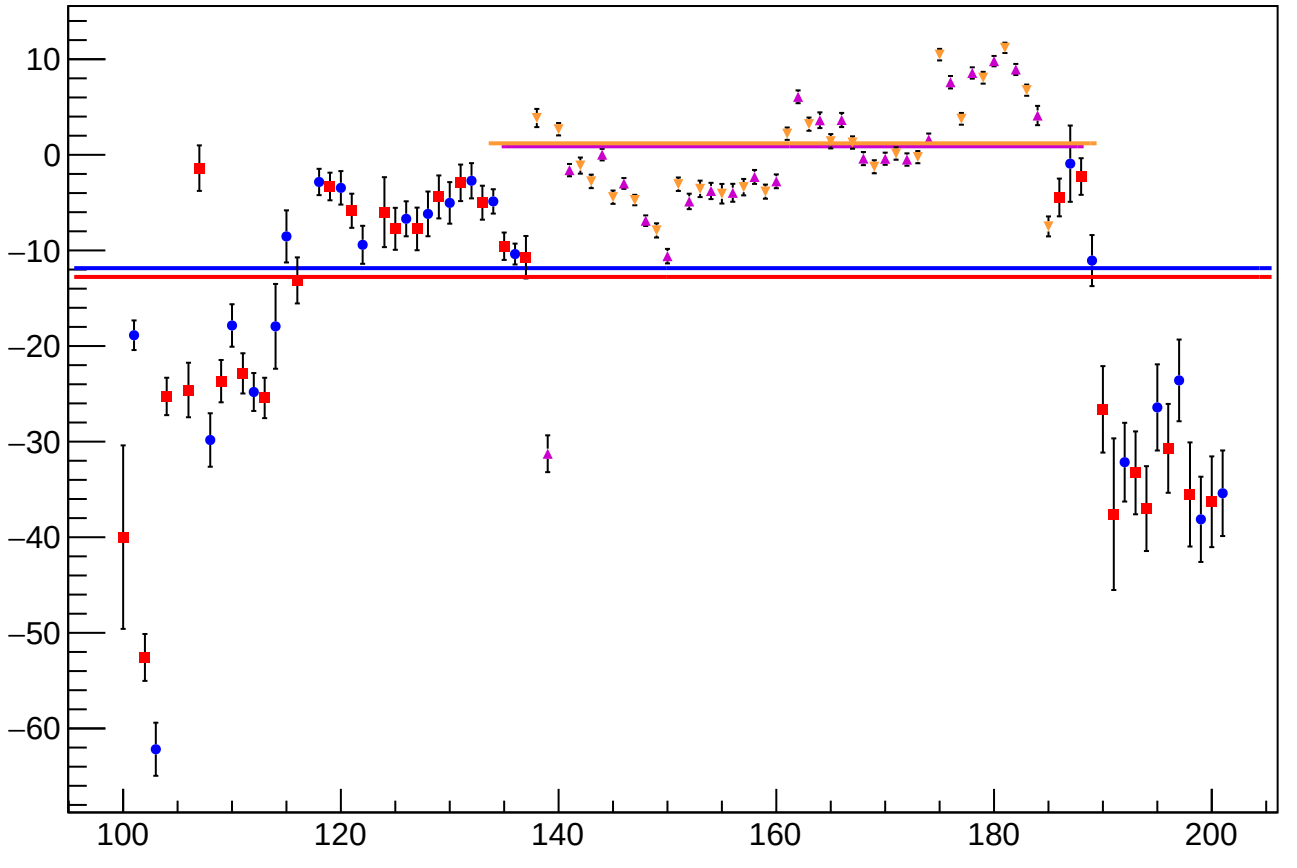
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.366+/-0.283 χ^2/NDF: 1545.3/50

In: -38.807+/-0.166 χ^2/NDF:5511.6/45

Out: -38.810+/-0.160 χ^2/NDF:8023.5/52

All: -38.809+/-0.115 χ^2/NDF: 13535.1/98



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: -12.773+/-0.441 χ^2/NDF: 748.6/27

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

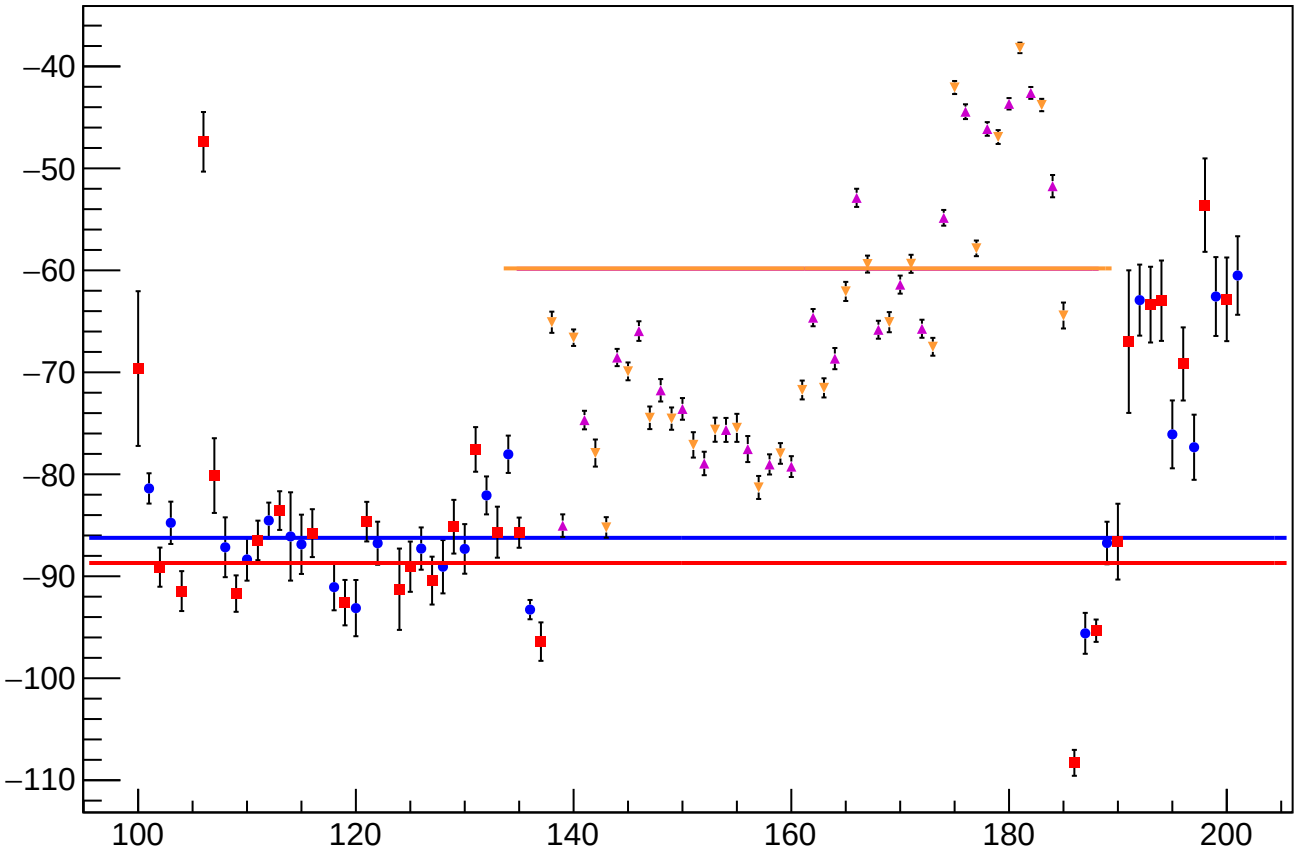
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -12.305+/-0.309 χ^2/NDF: 1454.1/50

In: -0.363+/-0.136 χ^2/NDF:3247.8/45

Out: -0.046+/-0.132 χ^2/NDF:3127.0/52

All: -0.200+/-0.095 χ^2/NDF: 6377.5/98



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: -88.698+/-0.416 χ^2/NDF: 786.7/27

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

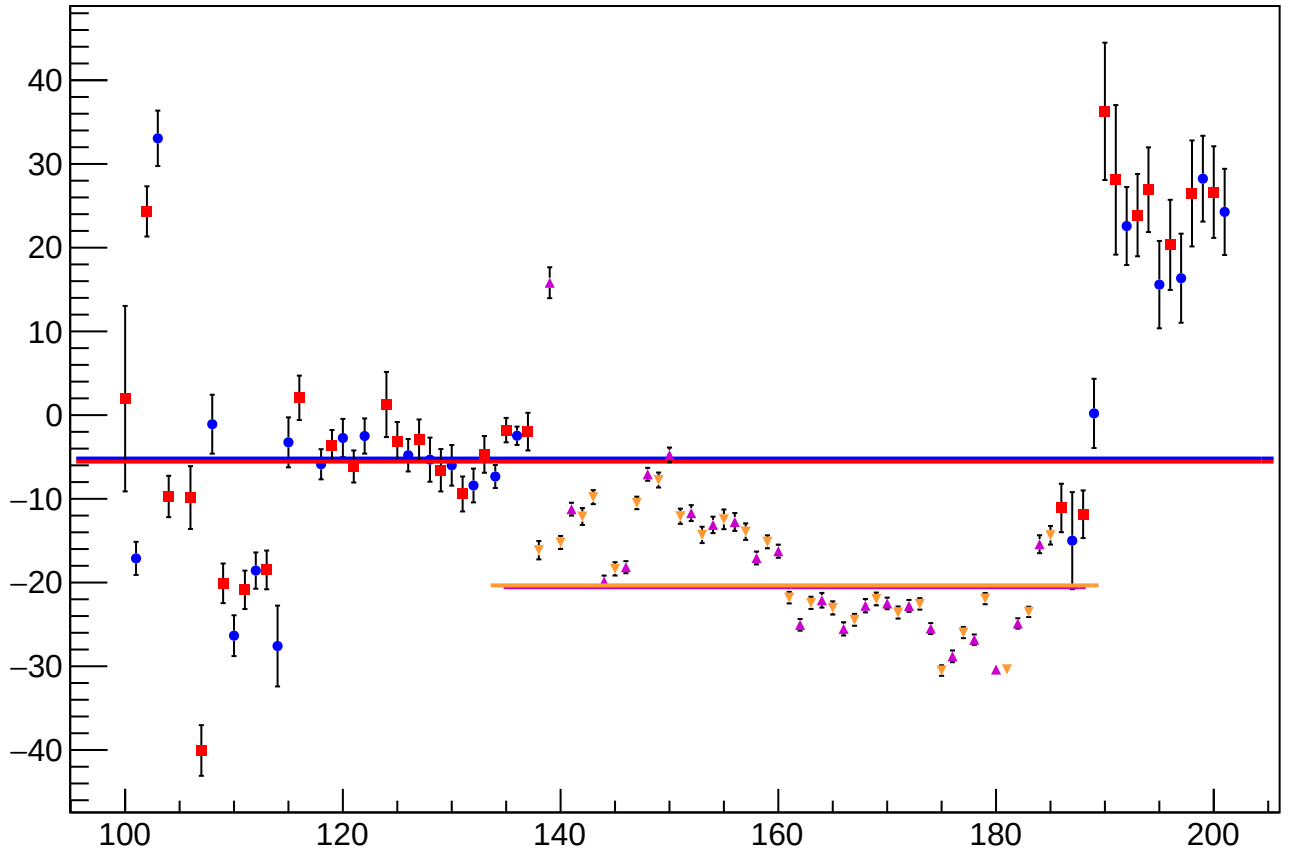
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.528+/-0.302 χ^2/NDF: 1075.2/50

In: -63.697+/-0.167 χ^2/NDF:8905.6/45

Out: -64.163+/-0.162 χ^2/NDF:11524.4/52

All: -63.938+/-0.116 χ^2/NDF: 20434.1/98



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: -5.553+/-0.510 χ^2/NDF: 584.4/27

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

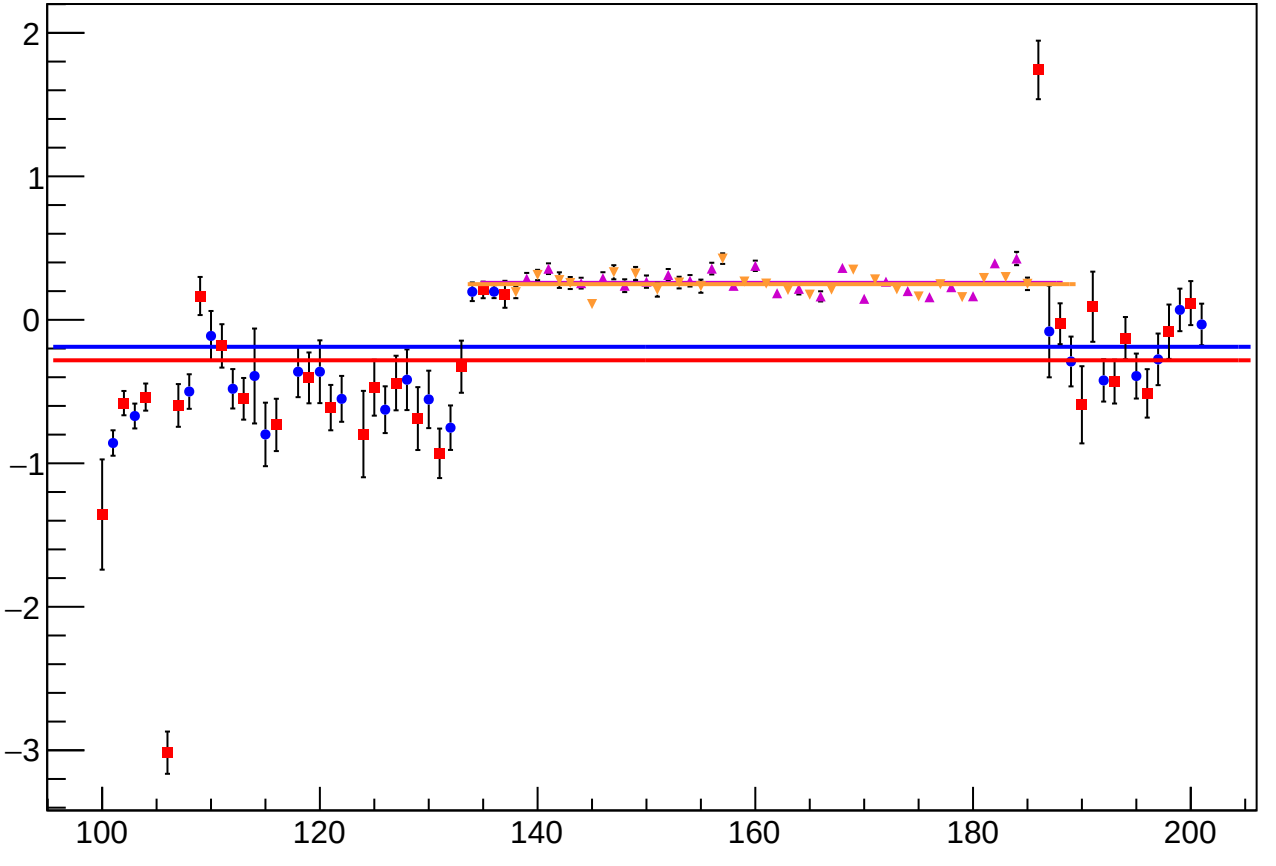
Right: -5.365+/-0.353 χ^2/NDF: 1053.3/50

In: -19.084+/-0.152 χ^2/NDF:3550.2/45

Out: -19.093+/-0.148 χ^2/NDF:3056.6/52

All: -19.088+/-0.106 χ^2/NDF: 6606.9/98

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: -0.282+/-0.026 χ^2/NDF: 638.9/27

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

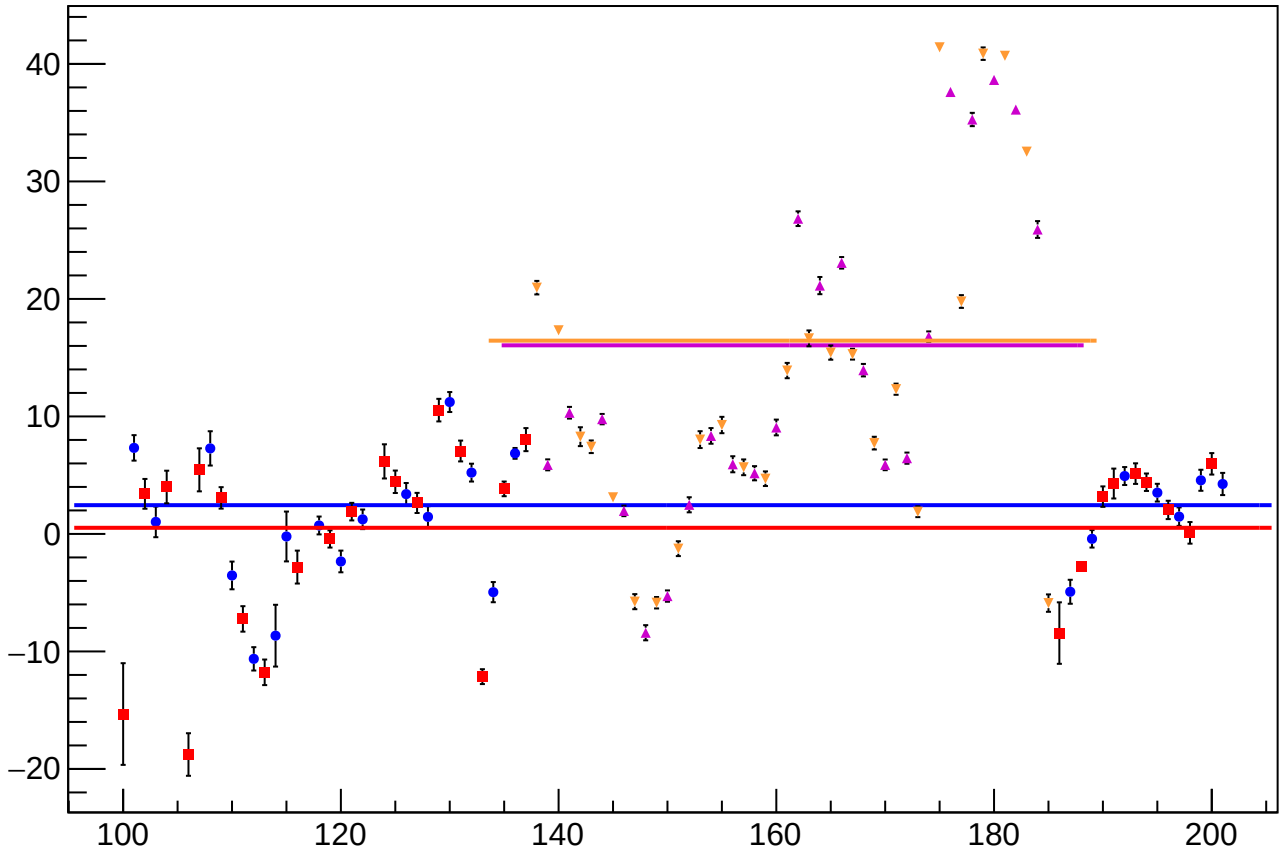
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.232+/-0.018 χ^2/NDF: 902.1/50

In: 0.223+/-0.007 χ^2/NDF:693.0/45

Out: 0.214+/-0.007 χ^2/NDF:1116.5/52

All: 0.218+/-0.005 χ^2/NDF: 1810.5/98



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: 0.522+/-0.165 χ^2/NDF: 1231.1/27

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

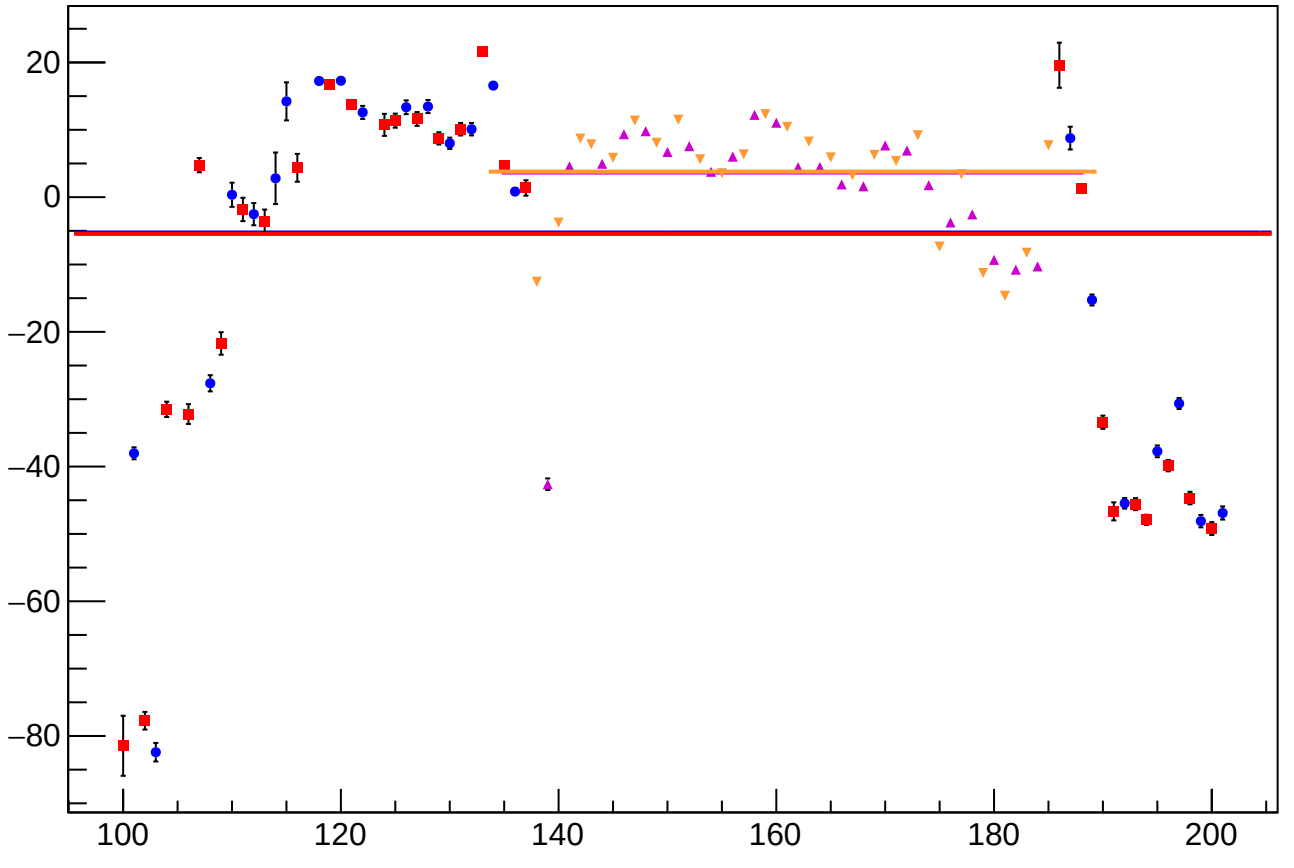
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.393+/-0.122 χ^2/NDF: 1956.3/50

In: 12.549+/-0.092 χ^2/NDF:22431.7/45

Out: 11.937+/-0.088 χ^2/NDF:29274.6/52

All: 12.228+/-0.064 χ^2/NDF: 51729.4/98



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: -5.454+/-0.170 χ^2/NDF: 24894.6/27

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

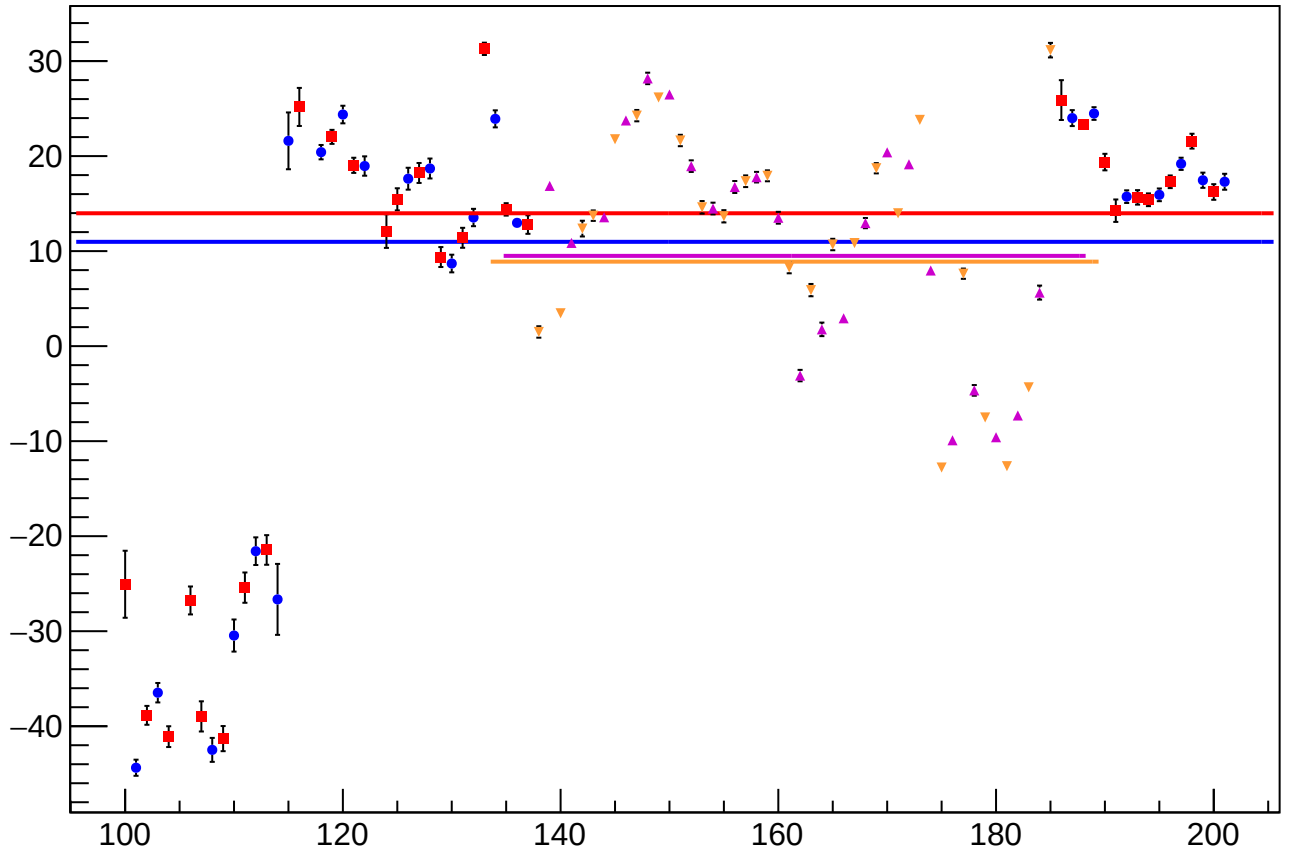
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -5.355+/-0.123 χ^2/NDF: 45759.7/50

In: 2.075+/-0.075 χ^2/NDF:31209.4/45

Out: 2.110+/-0.072 χ^2/NDF:36416.8/52

All: 2.093+/-0.052 χ^2/NDF: 67626.3/98



Right In: 10.977+/-0.179 χ^2/NDF: 11218.1/22

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.983+/-0.159 χ^2/NDF: 12340.6/27

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

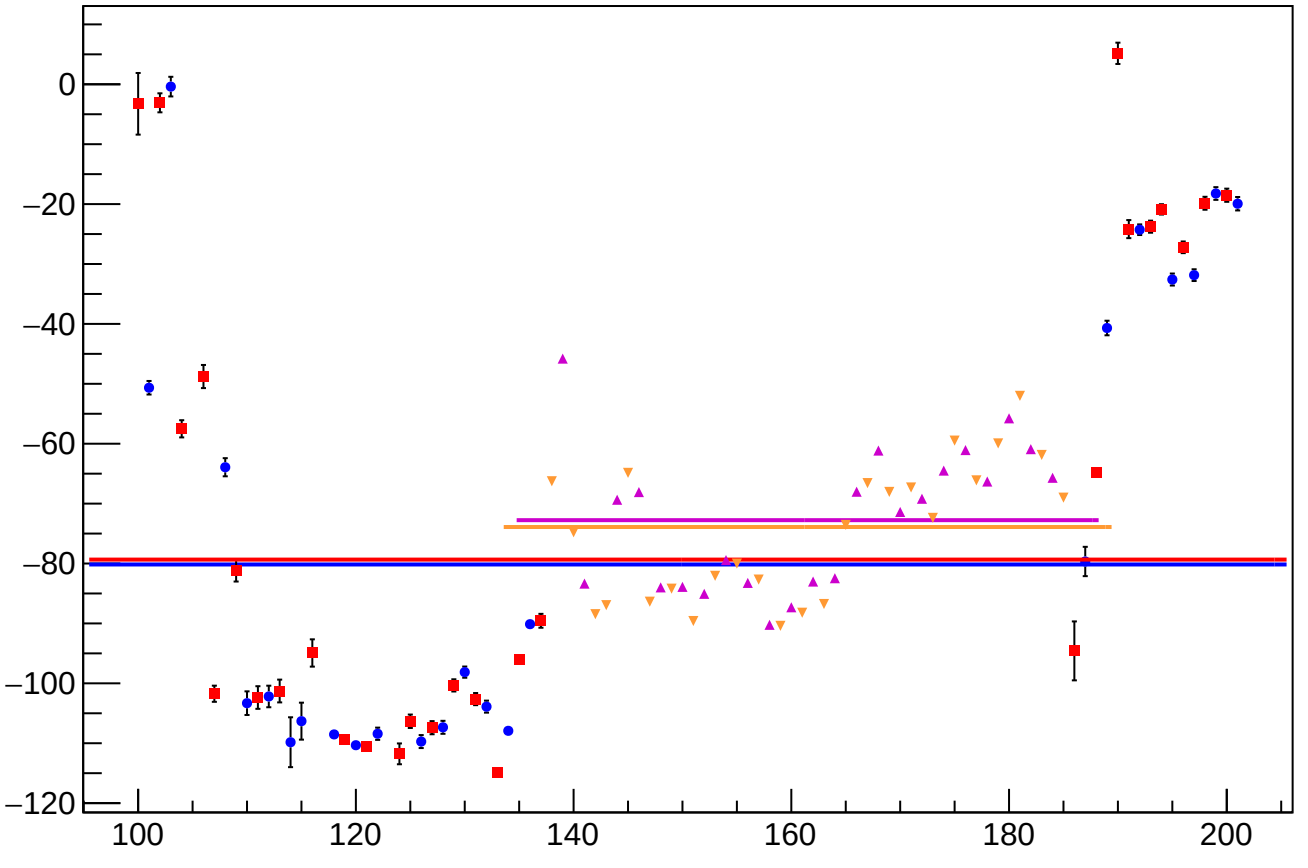
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 12.658+/-0.119 χ^2/NDF: 23716.8/50

In: 9.887+/-0.091 χ^2/NDF:24309.4/45

Out: 10.416+/-0.087 χ^2/NDF:28489.9/52

All: 10.165+/-0.063 χ^2/NDF: 52816.9/98



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: -79.344+/-0.201 χ^2/NDF: 35302.7/27

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

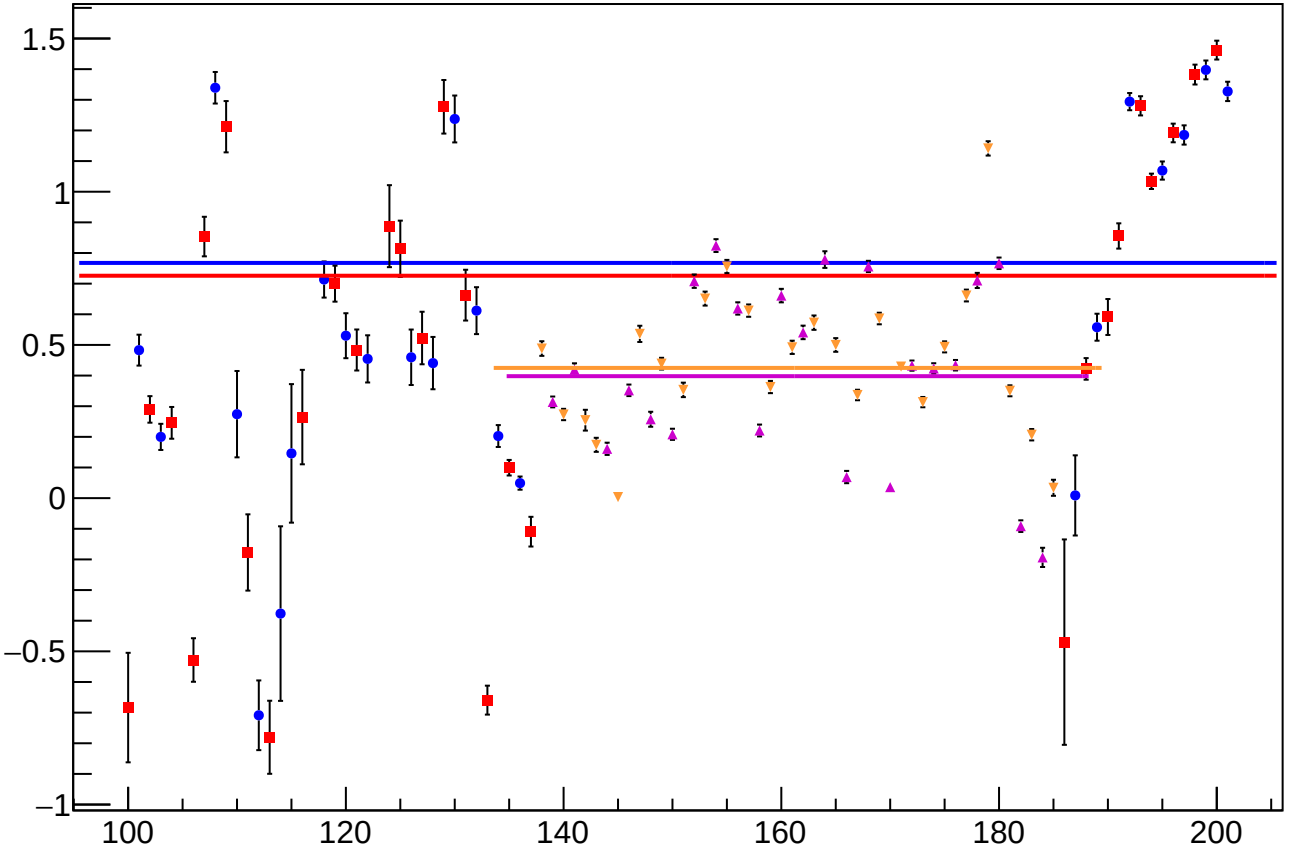
Right: -79.737+/-0.145 χ^2/NDF: 63639.1/50

In: -73.995+/-0.085 χ^2/NDF:41987.6/45

Out: -74.820+/-0.083 χ^2/NDF:51476.6/52

All: -74.421+/-0.059 χ^2/NDF: 93512.6/98

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.726+/-0.009 χ^2/NDF: 4429.6/27

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

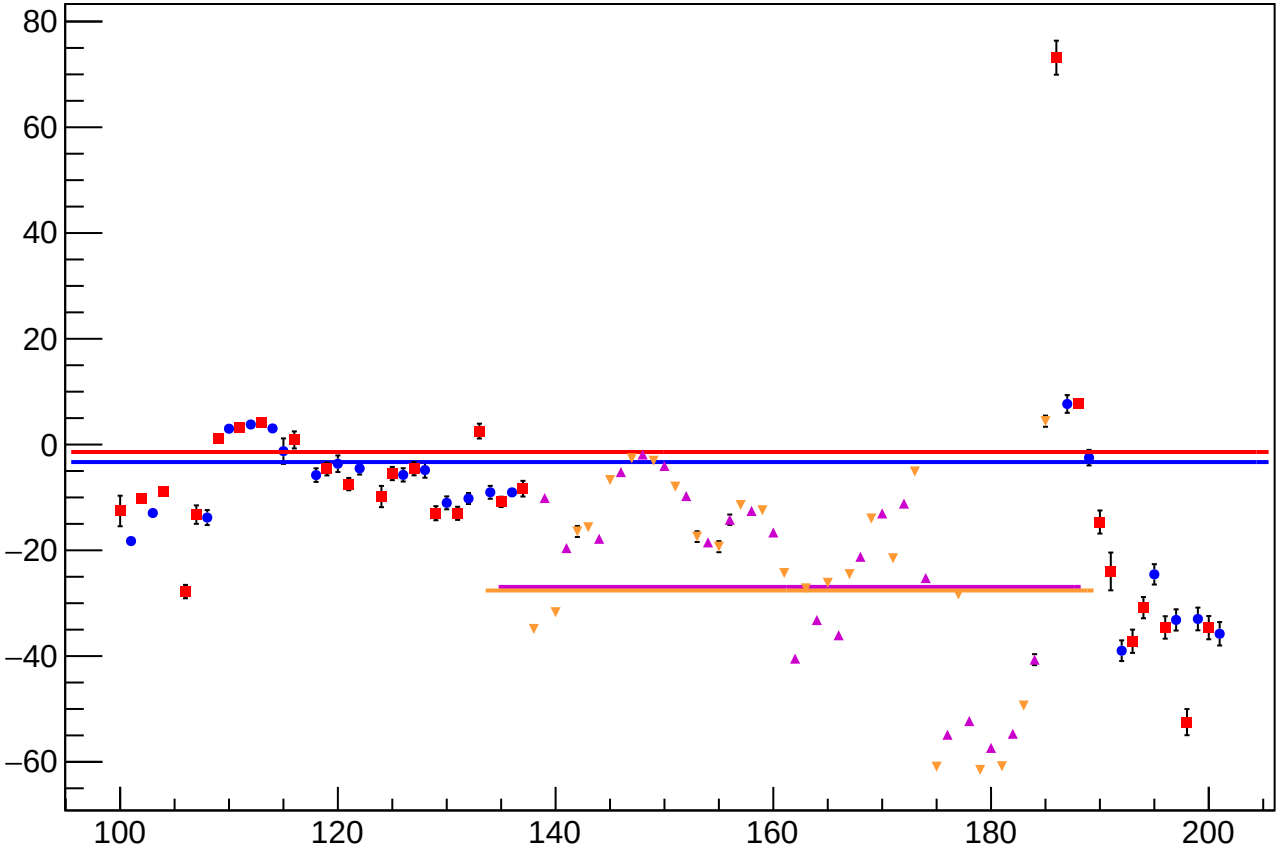
Right: 0.746+/-0.006 χ^2/NDF: 7863.2/50

In: 0.460+/-0.004 χ^2/NDF:9029.7/45

Out: 0.477+/-0.004 χ^2/NDF:8410.3/52

All: 0.468+/-0.003 χ^2/NDF: 17450.5/98

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: -1.407+/-0.163 χ^2/NDF: 3611.0/27

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

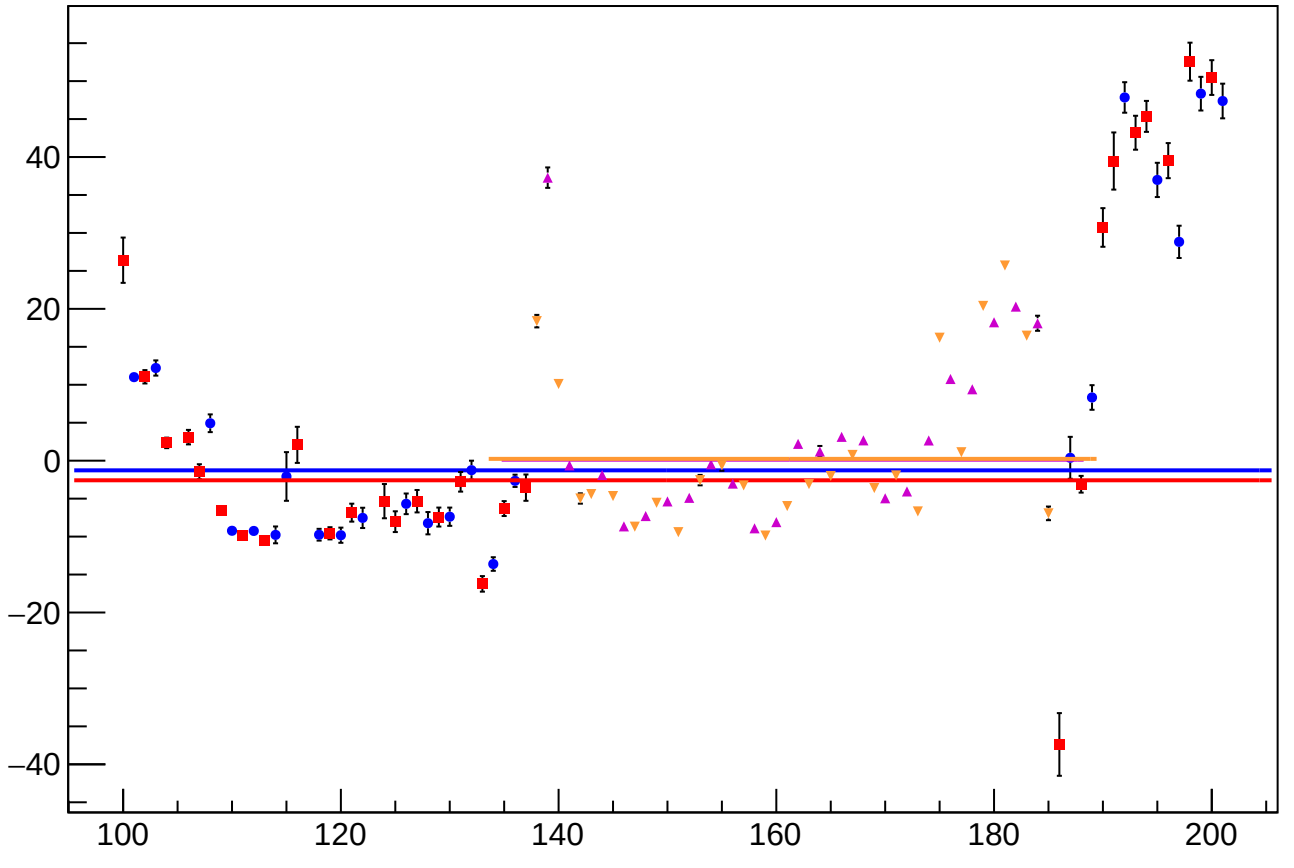
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.238+/-0.122 χ^2/NDF: 6321.2/50

In: -17.627+/-0.116 χ^2/NDF:28039.8/45

Out: -16.101+/-0.108 χ^2/NDF:37825.3/52

All: -16.809+/-0.079 χ^2/NDF: 65957.6/98



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: -2.584+/-0.209 χ^2/NDF: 3809.2/27

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

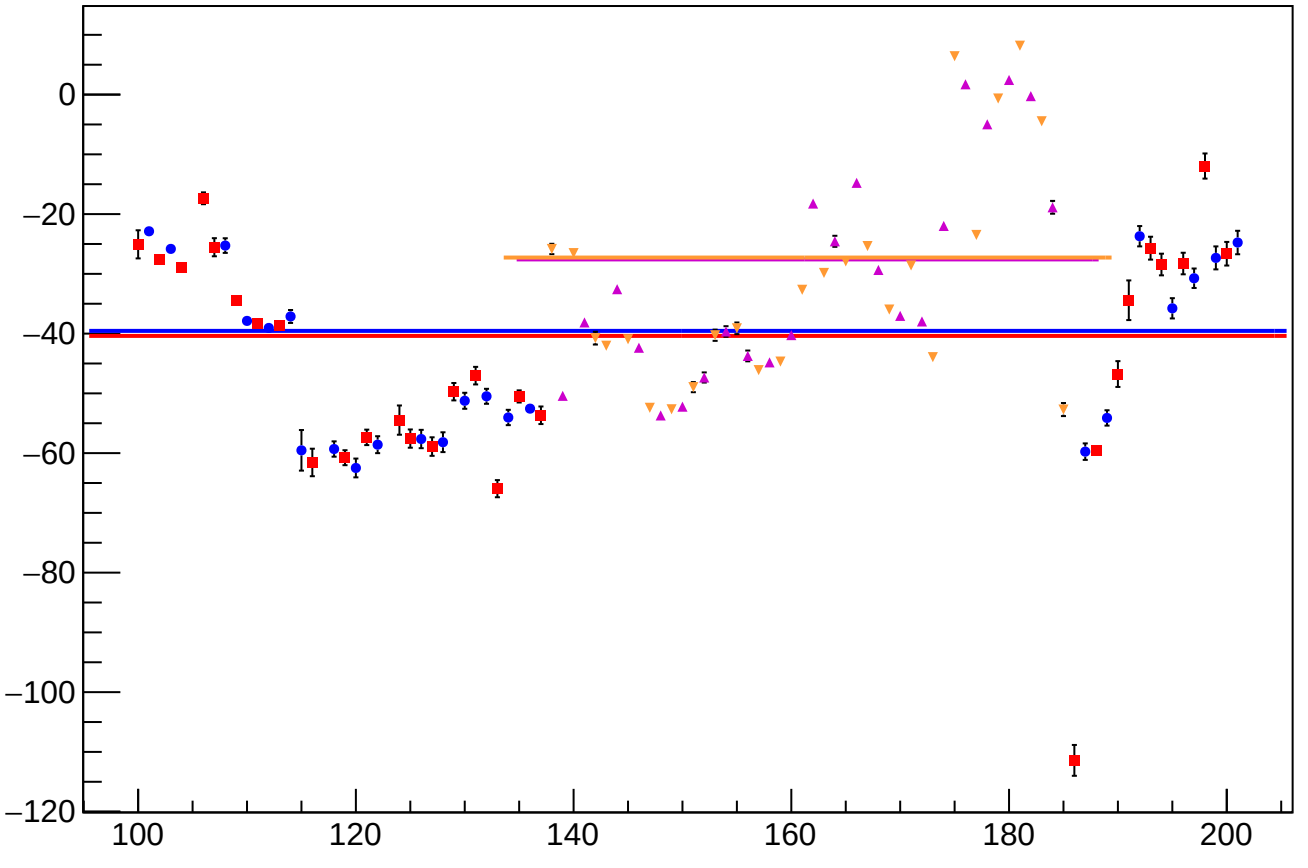
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -1.955+/-0.150 χ^2/NDF: 7454.5/50

In: -0.174+/-0.101 χ^2/NDF:9496.4/45

Out: -0.378+/-0.098 χ^2/NDF:11987.9/52

All: -0.280+/-0.070 χ^2/NDF: 21486.4/98



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: -40.382+/-0.194 χ^2/NDF: 4937.8/27

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

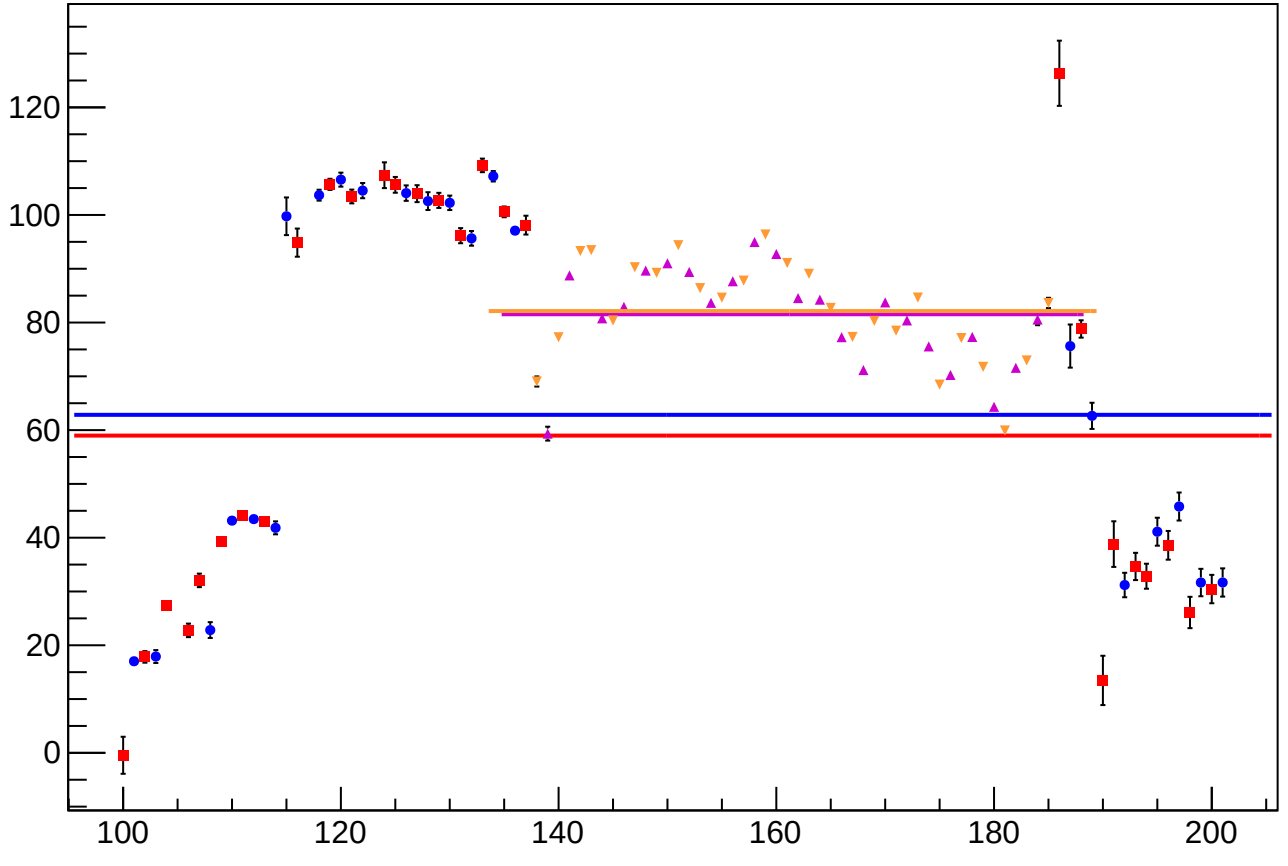
Right: -39.998+/-0.143 χ^2/NDF: 8465.7/50

In: -31.527+/-0.121 χ^2/NDF:21315.8/45

Out: -31.920+/-0.116 χ^2/NDF:26408.5/52

All: -31.733+/-0.084 χ^2/NDF: 47729.8/98

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: 58.982+/-0.240 χ^2/NDF: 18359.2/27

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

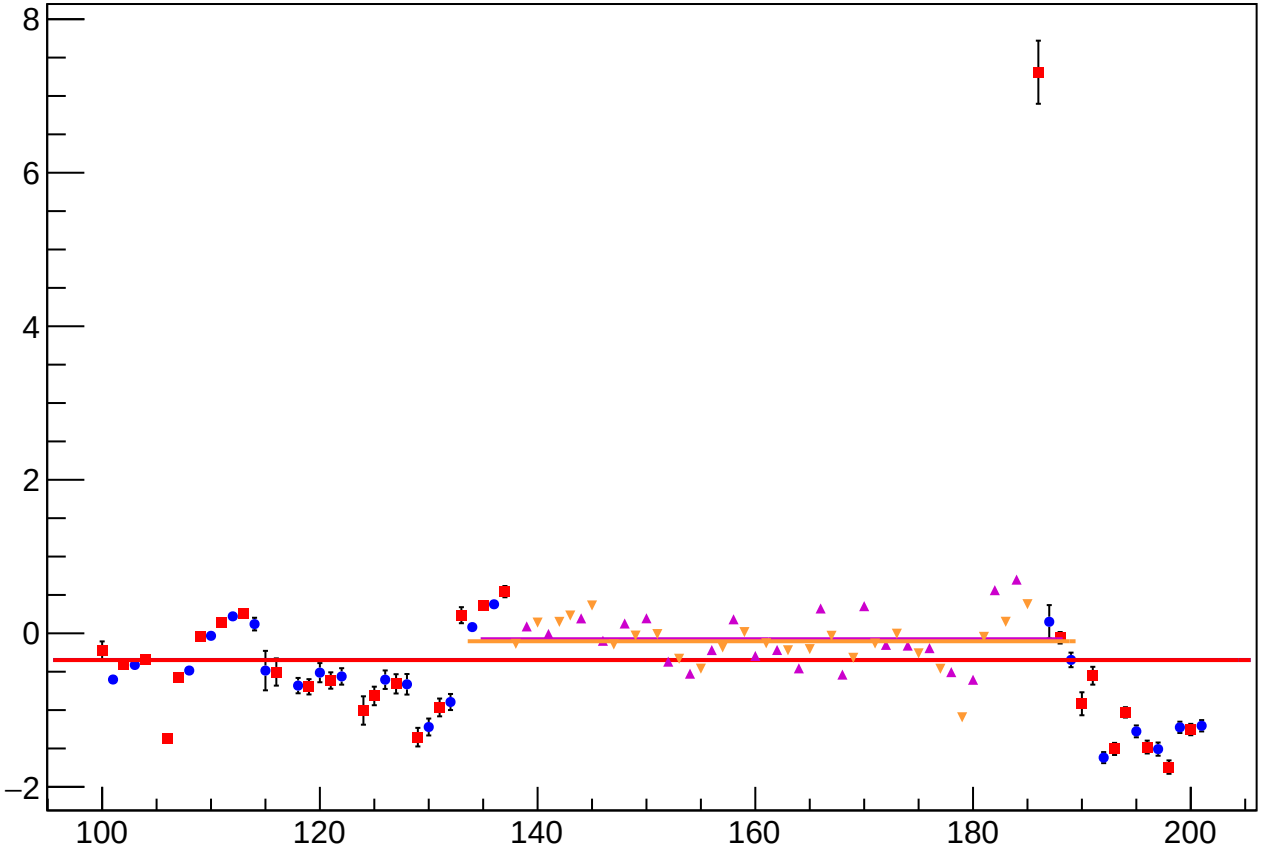
Right: 60.836+/-0.173 χ^2/NDF: 37715.1/50

In: 77.591+/-0.115 χ^2/NDF:27713.7/45

Out: 77.195+/-0.111 χ^2/NDF:31080.7/52

All: 77.386+/-0.080 χ^2/NDF: 58800.5/98

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: -0.348+/-0.012 χ^2/NDF: 2757.7/27

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

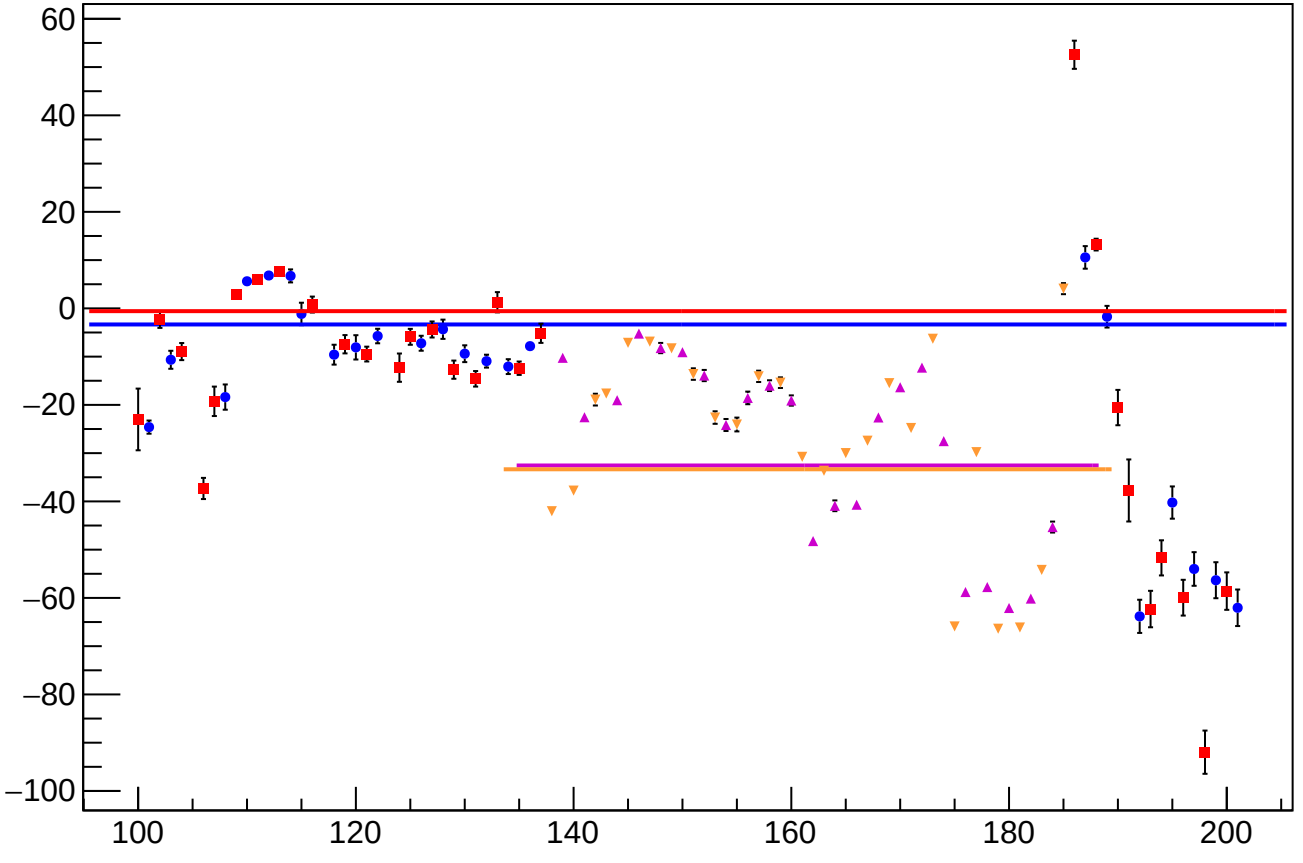
Right: -0.348+/-0.009 χ^2/NDF: 4731.6/50

In: -0.125+/-0.005 χ^2/NDF:5687.5/45

Out: -0.148+/-0.005 χ^2/NDF:5515.6/52

All: -0.137+/-0.004 χ^2/NDF: 11213.3/98

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: -0.576+/-0.269 χ^2/NDF: 2819.5/27

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

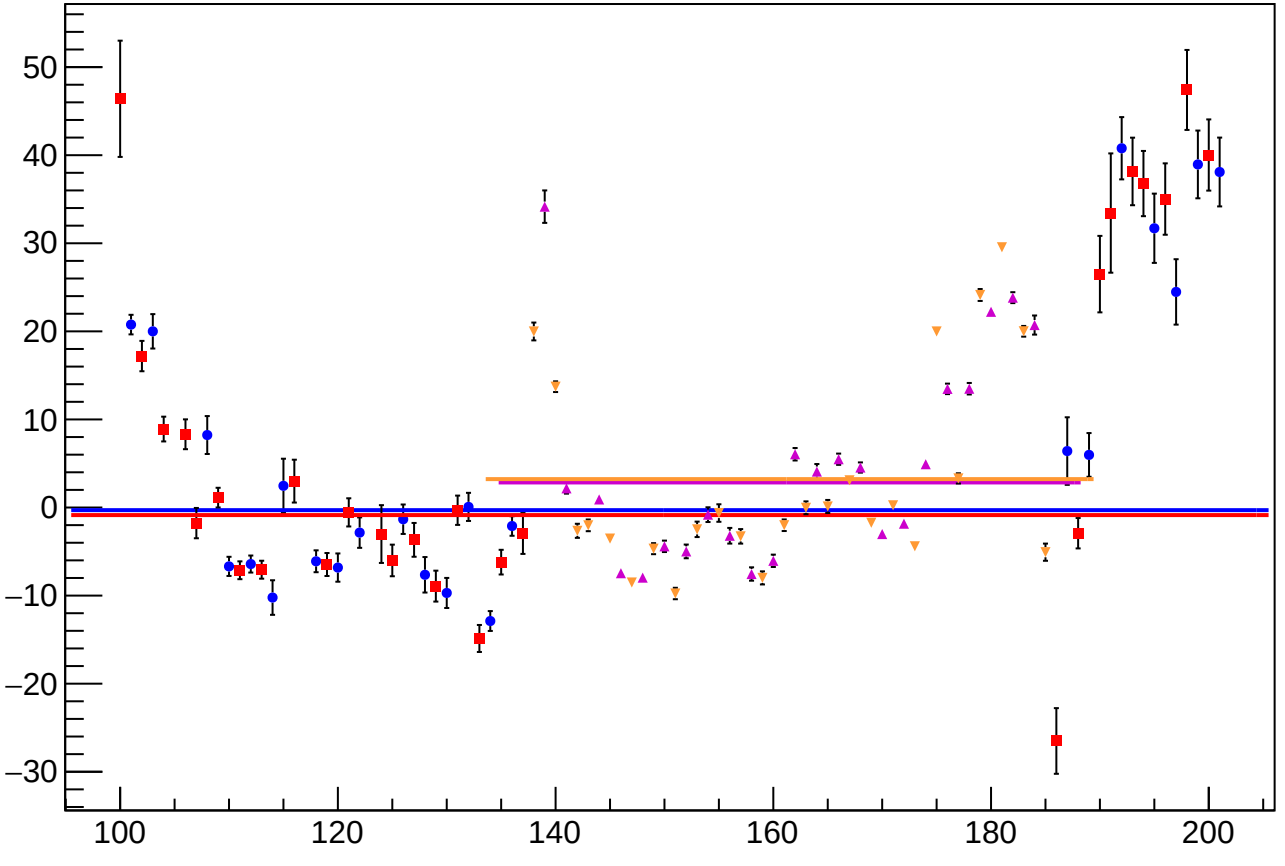
Right: -1.819+/-0.200 χ^2/NDF: 4917.9/50

In: -25.394+/-0.147 χ^2/NDF:23241.5/45

Out: -24.424+/-0.140 χ^2/NDF:31599.8/52

All: -24.886+/-0.102 χ^2/NDF: 54864.0/98

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.860+/-0.339 χ^2/NDF: 1084.0/27

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

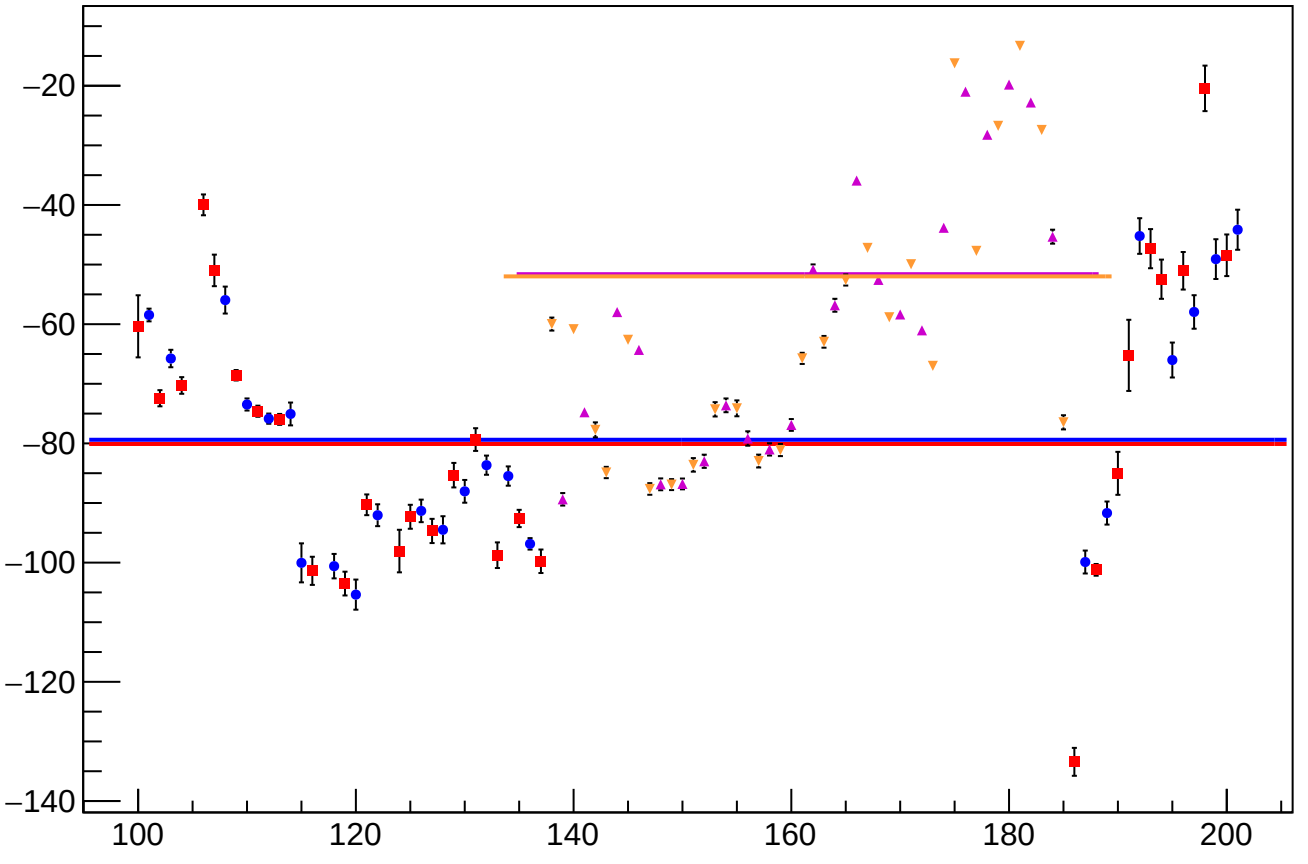
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -0.584+/-0.241 χ^2/NDF: 2337.5/50

In: 2.445+/-0.123 χ^2/NDF:6780.7/45

Out: 2.713+/-0.120 χ^2/NDF:8886.8/52

All: 2.582+/-0.086 χ^2/NDF: 15669.9/98



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: -80.098+/-0.320 χ^2/NDF: 3163.7/27

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

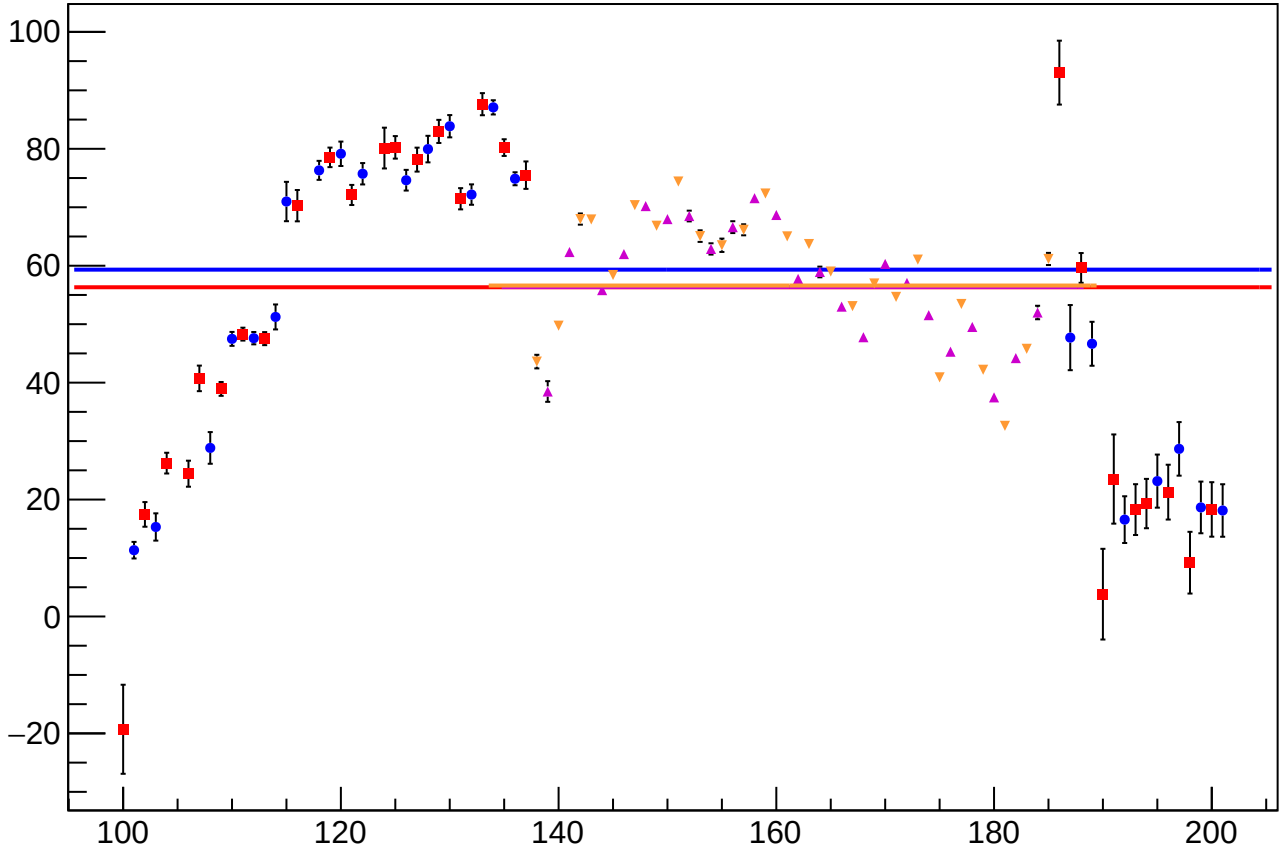
Right: -79.766+/-0.233 χ^2/NDF: 5113.1/50

In: -57.094+/-0.151 χ^2/NDF:24898.3/45

Out: -57.874+/-0.147 χ^2/NDF:30149.8/52

All: -57.497+/-0.105 χ^2/NDF: 55061.8/98

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: 56.316+/-0.386 χ^2/NDF: 3254.5/27

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

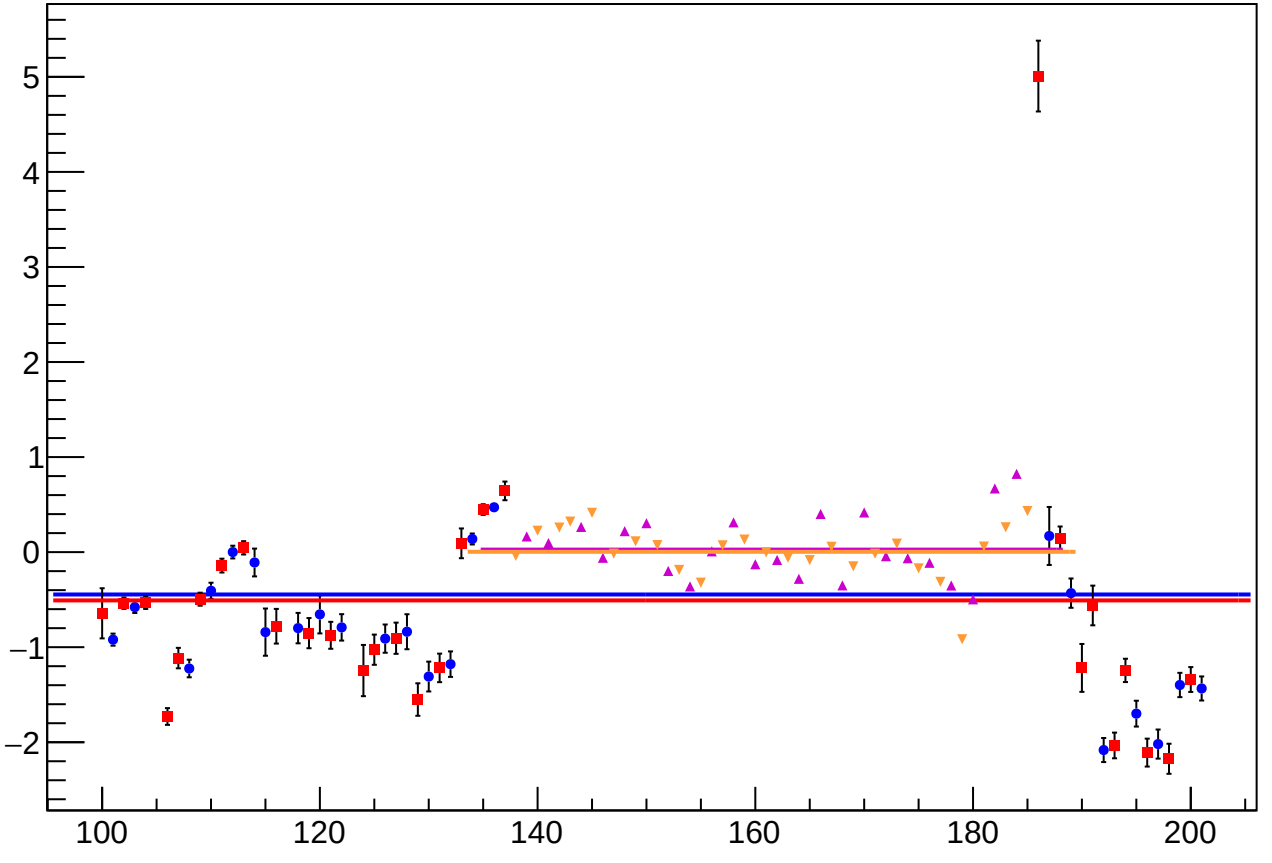
Right: 57.810+/-0.274 χ^2/NDF: 6941.5/50

In: 56.721+/-0.138 χ^2/NDF:7676.7/45

Out: 56.576+/-0.135 χ^2/NDF:8921.2/52

All: 56.647+/-0.096 χ^2/NDF: 16598.5/98

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: -0.508+/-0.020 χ^2/NDF: 1538.8/27

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

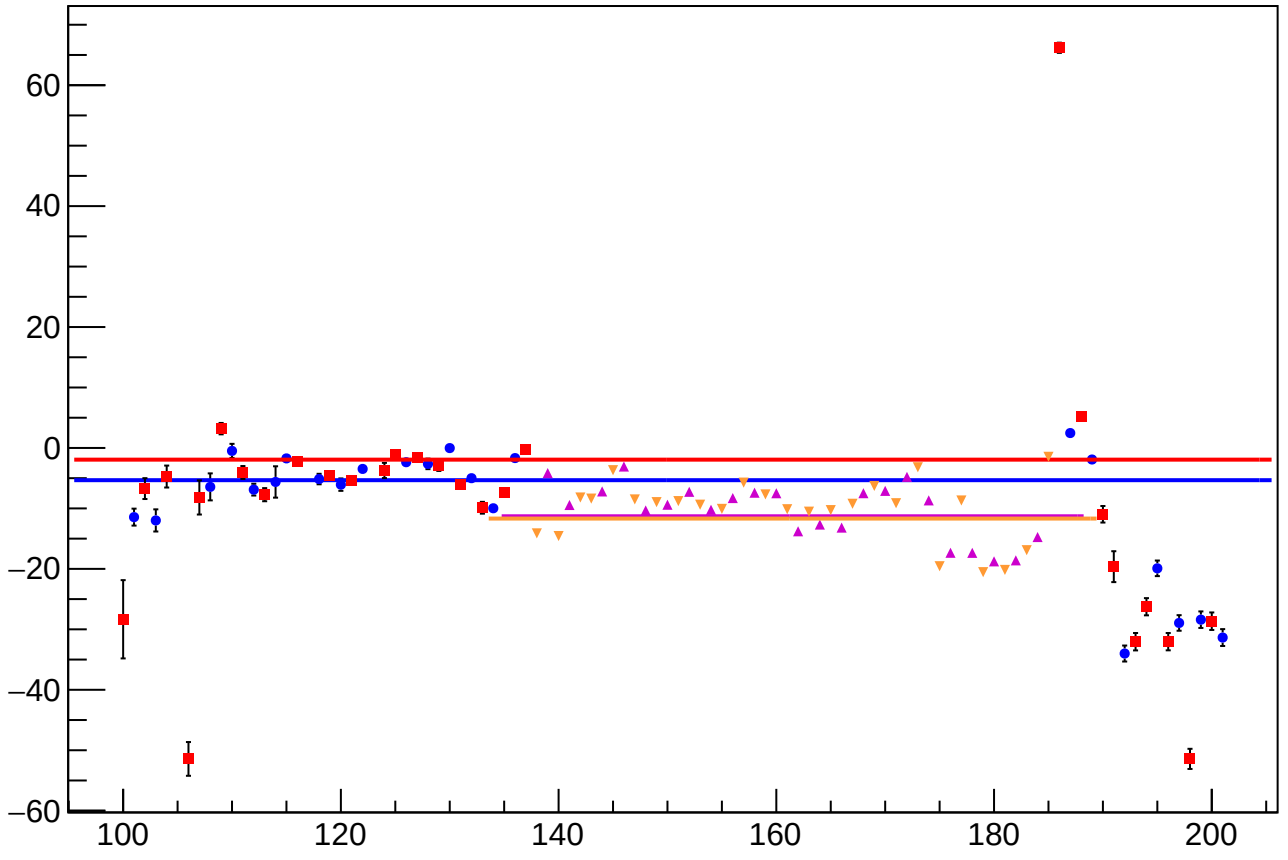
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.477+/-0.014 χ^2/NDF: 2808.0/50

In: -0.019+/-0.006 χ^2/NDF:4110.7/45

Out: -0.044+/-0.006 χ^2/NDF:3823.9/52

All: -0.032+/-0.004 χ^2/NDF: 7942.4/98



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: -1.934+/-0.169 χ^2/NDF: 9969.2/27

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

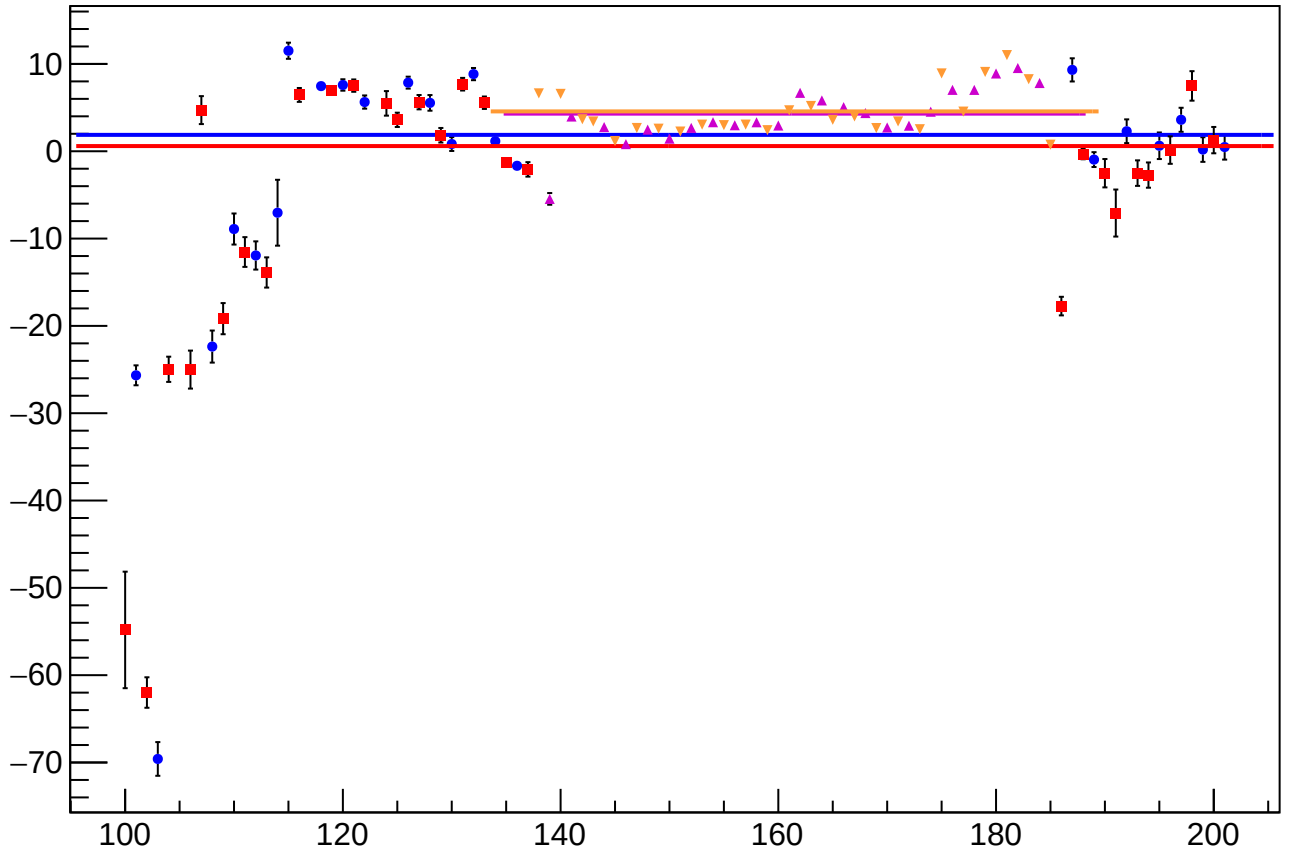
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.607+/-0.120 χ^2/NDF: 12163.9/50

In: -10.763+/-0.051 χ^2/NDF:12328.3/45

Out: -10.817+/-0.050 χ^2/NDF:25605.9/52

All: -10.790+/-0.036 χ^2/NDF: 37934.8/98



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: 0.594+/-0.184 χ^2/NDF: 2917.3/27

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

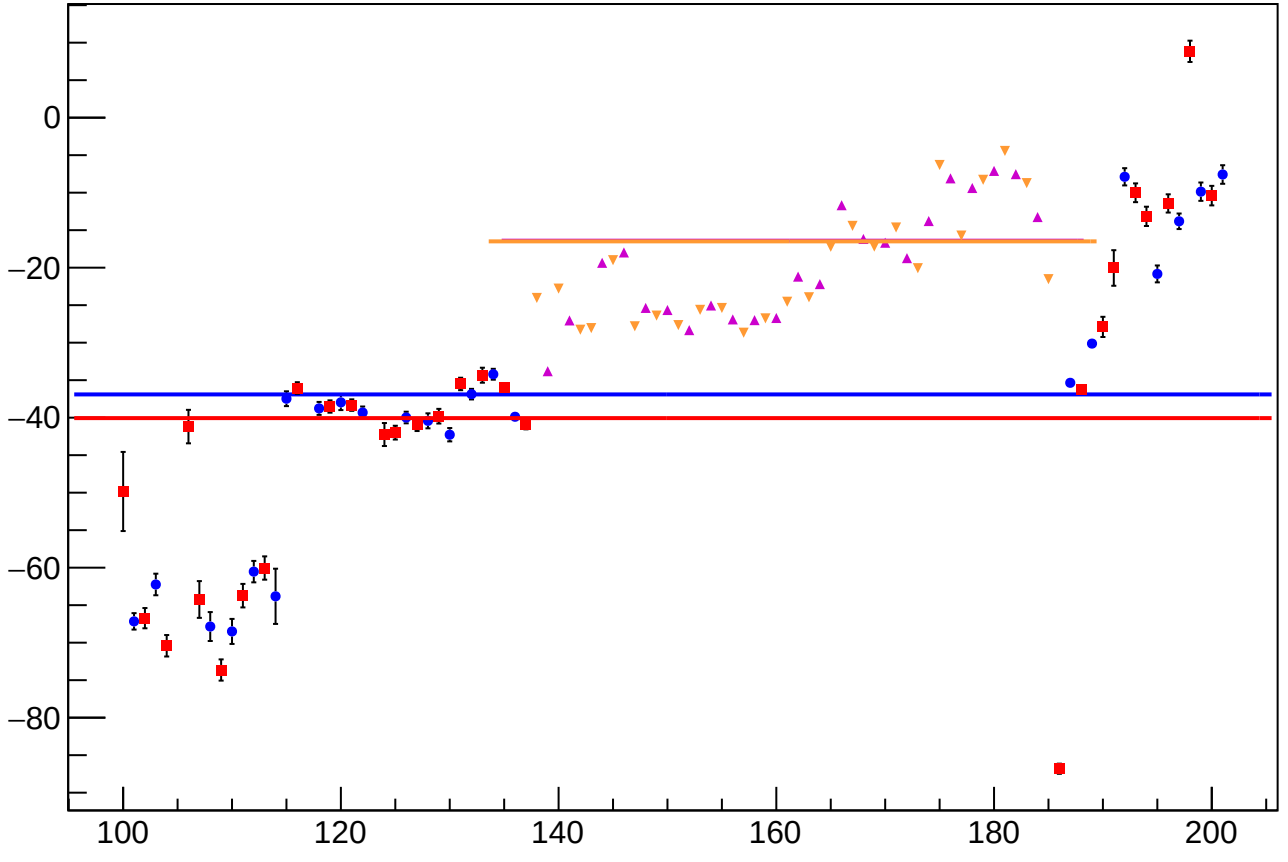
Right: 1.266+/-0.127 χ^2/NDF: 5828.1/50

In: 4.176+/-0.041 χ^2/NDF:6675.7/45

Out: 4.374+/-0.040 χ^2/NDF:7714.7/52

All: 4.276+/-0.029 χ^2/NDF: 14402.3/98

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: -40.059+/-0.173 χ^2/NDF: 10396.7/27

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

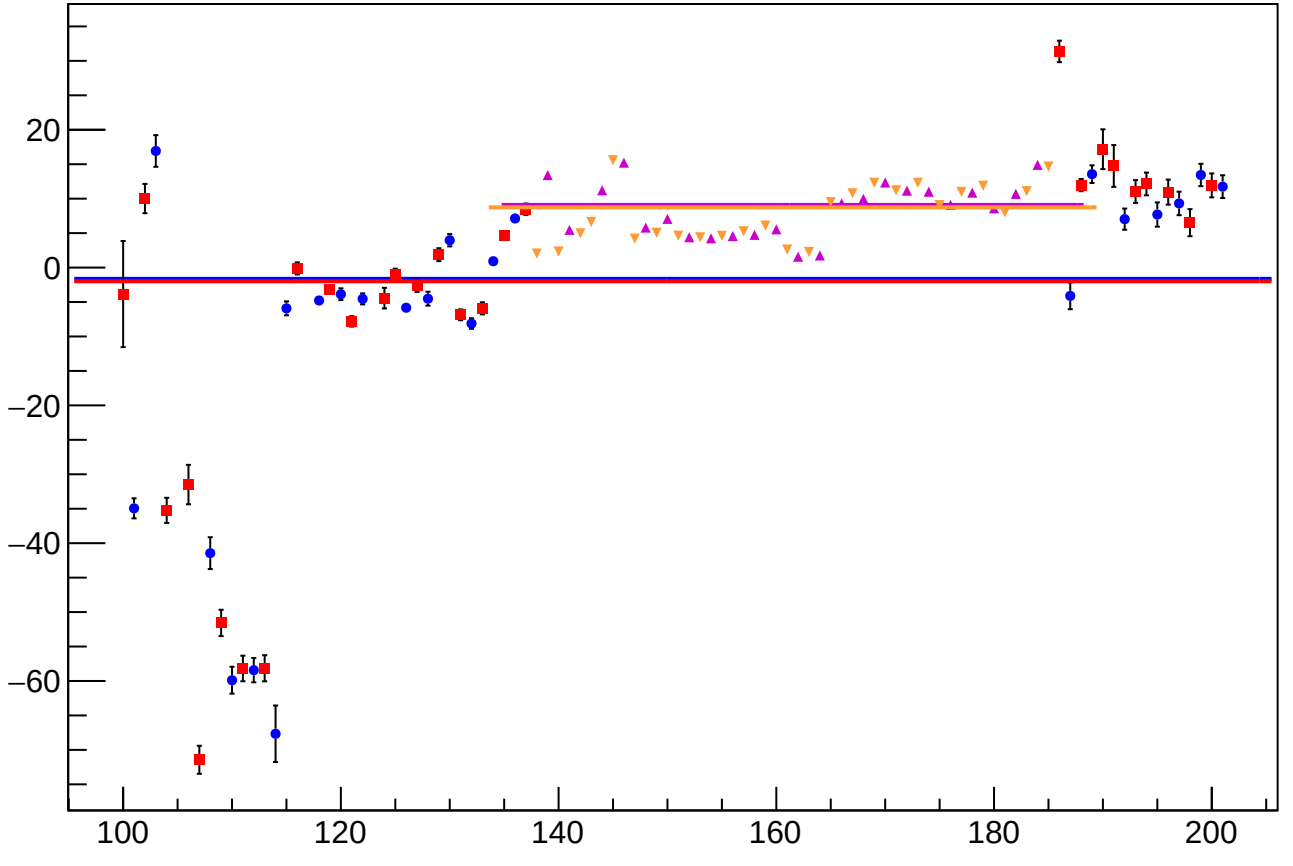
Right: -38.528+/-0.124 χ^2/NDF: 15237.4/50

In: -18.126+/-0.052 χ^2/NDF:34859.1/45

Out: -18.509+/-0.050 χ^2/NDF:49436.9/52

All: -18.321+/-0.036 χ^2/NDF: 84324.3/98

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.992+/-0.212 χ^2/NDF: 5597.4/27

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

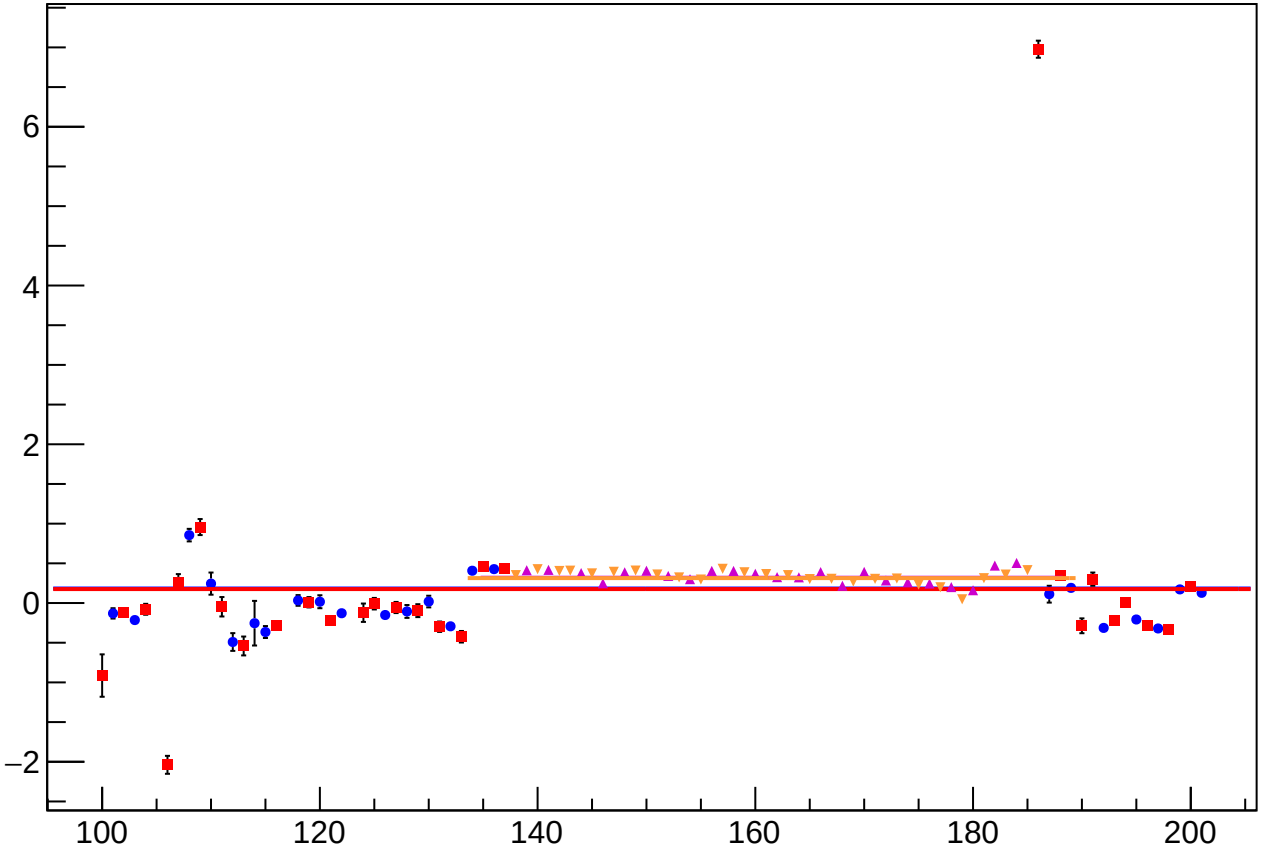
Right: -1.801+/-0.145 χ^2/NDF: 9757.6/50

In: 8.523+/-0.046 χ^2/NDF:12673.2/45

Out: 8.250+/-0.045 χ^2/NDF:14906.7/52

All: 8.384+/-0.032 χ^2/NDF: 27597.9/98

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: 0.176+/-0.011 χ^2/NDF: 5277.2/27

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

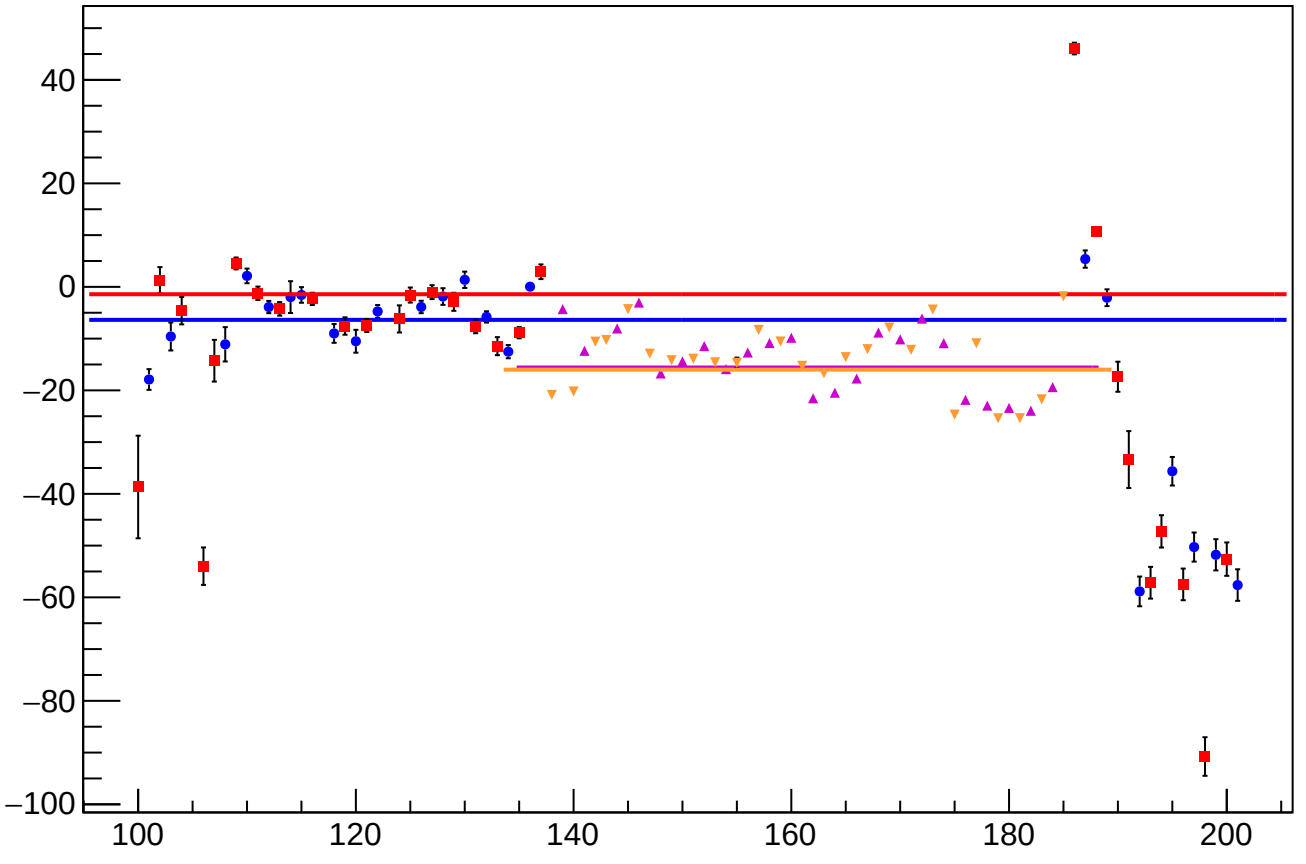
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.179+/-0.007 χ^2/NDF: 6182.5/50

In: 0.313+/-0.002 χ^2/NDF:2870.9/45

Out: 0.309+/-0.002 χ^2/NDF:7032.8/52

All: 0.311+/-0.001 χ^2/NDF: 9905.3/98



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: -1.421+/-0.309 χ^2/NDF: 4139.3/27

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

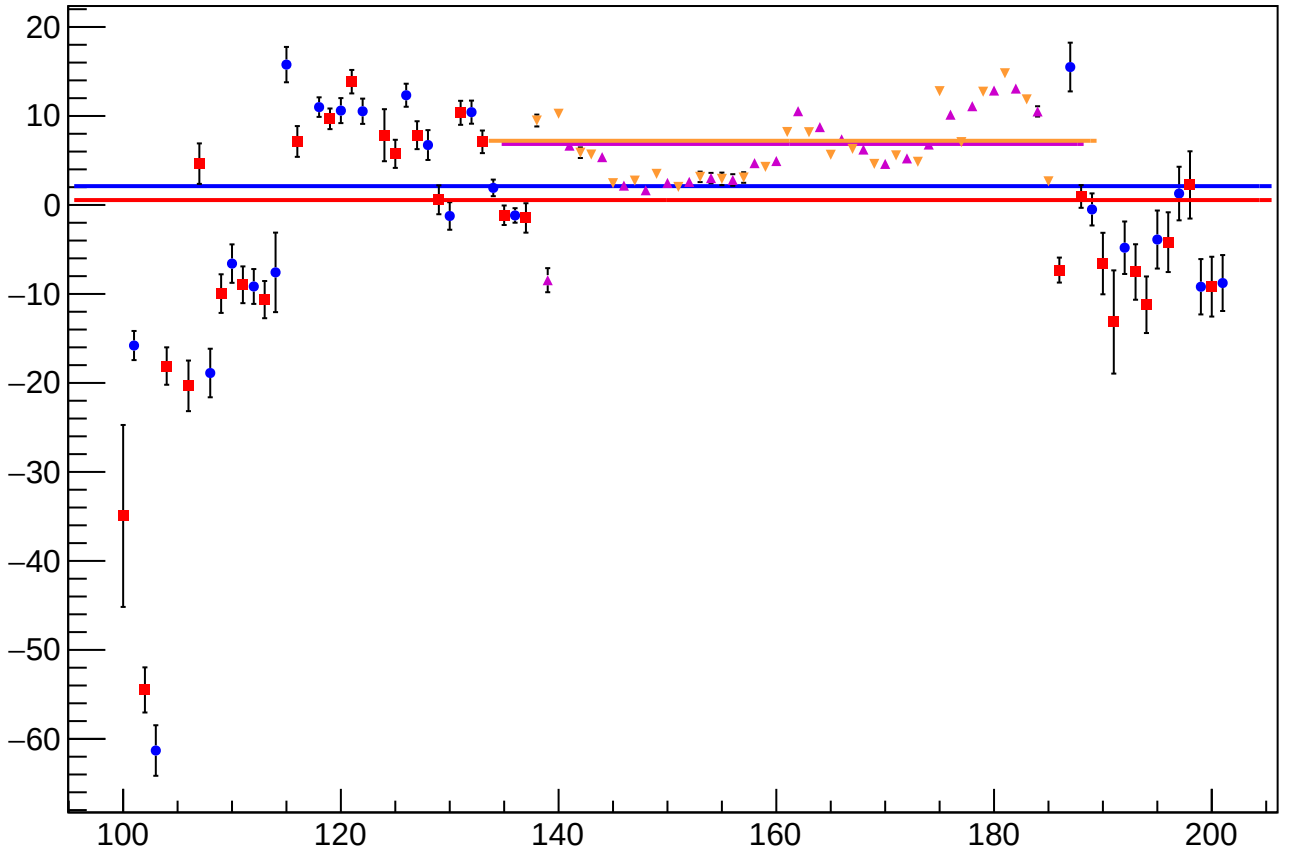
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -3.800+/-0.223 χ^2/NDF: 5758.7/50

In: -14.740+/-0.097 χ^2/NDF:7001.4/45

Out: -14.632+/-0.095 χ^2/NDF:12121.9/52

All: -14.684+/-0.068 χ^2/NDF: 19123.9/98



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: 0.550+/-0.345 χ^2/NDF: 1064.7/27

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

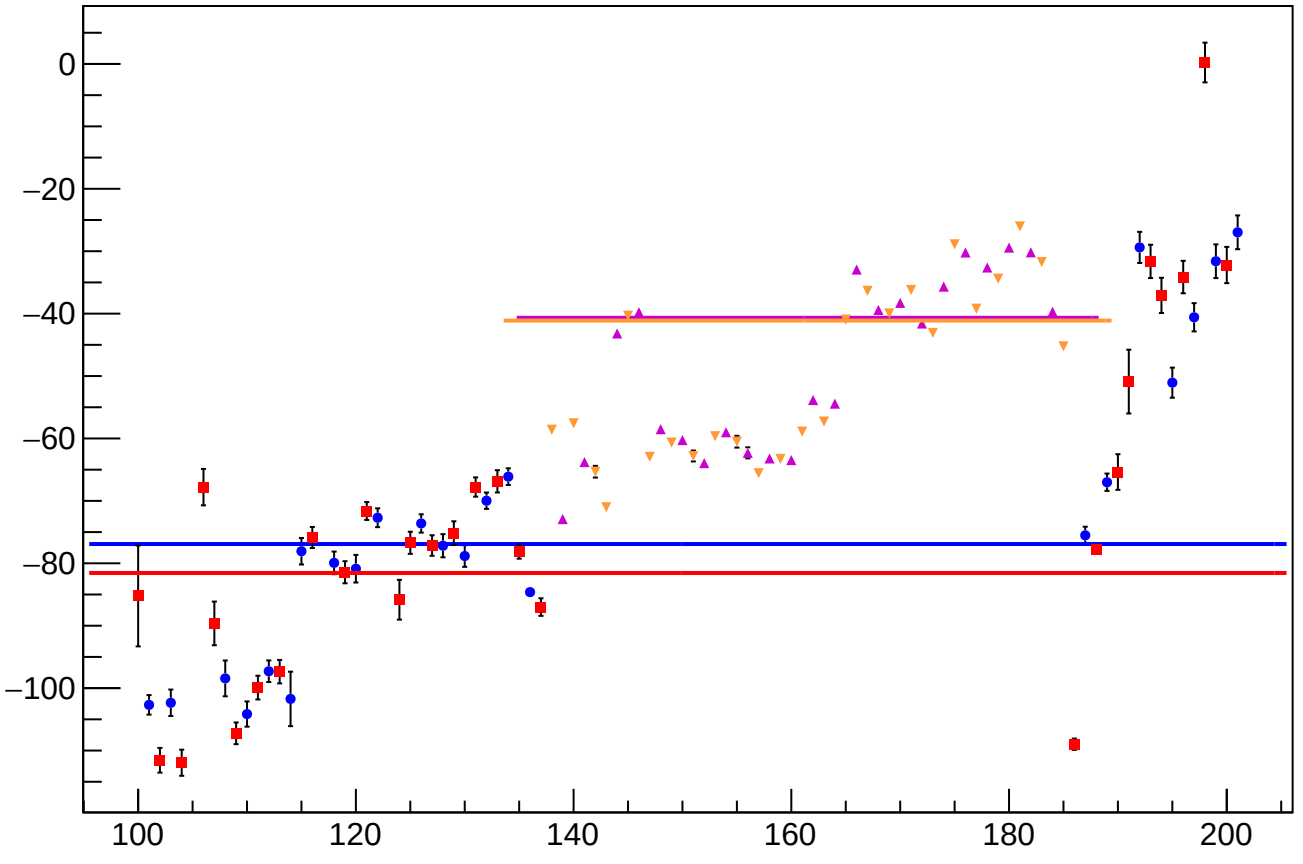
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.352+/-0.241 χ^2/NDF: 2183.2/50

In: 6.596+/-0.079 χ^2/NDF:3451.6/45

Out: 6.872+/-0.078 χ^2/NDF:3874.1/52

All: 6.735+/-0.055 χ^2/NDF: 7331.9/98



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: -81.549+/-0.321 χ^2/NDF: 4004.5/27

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

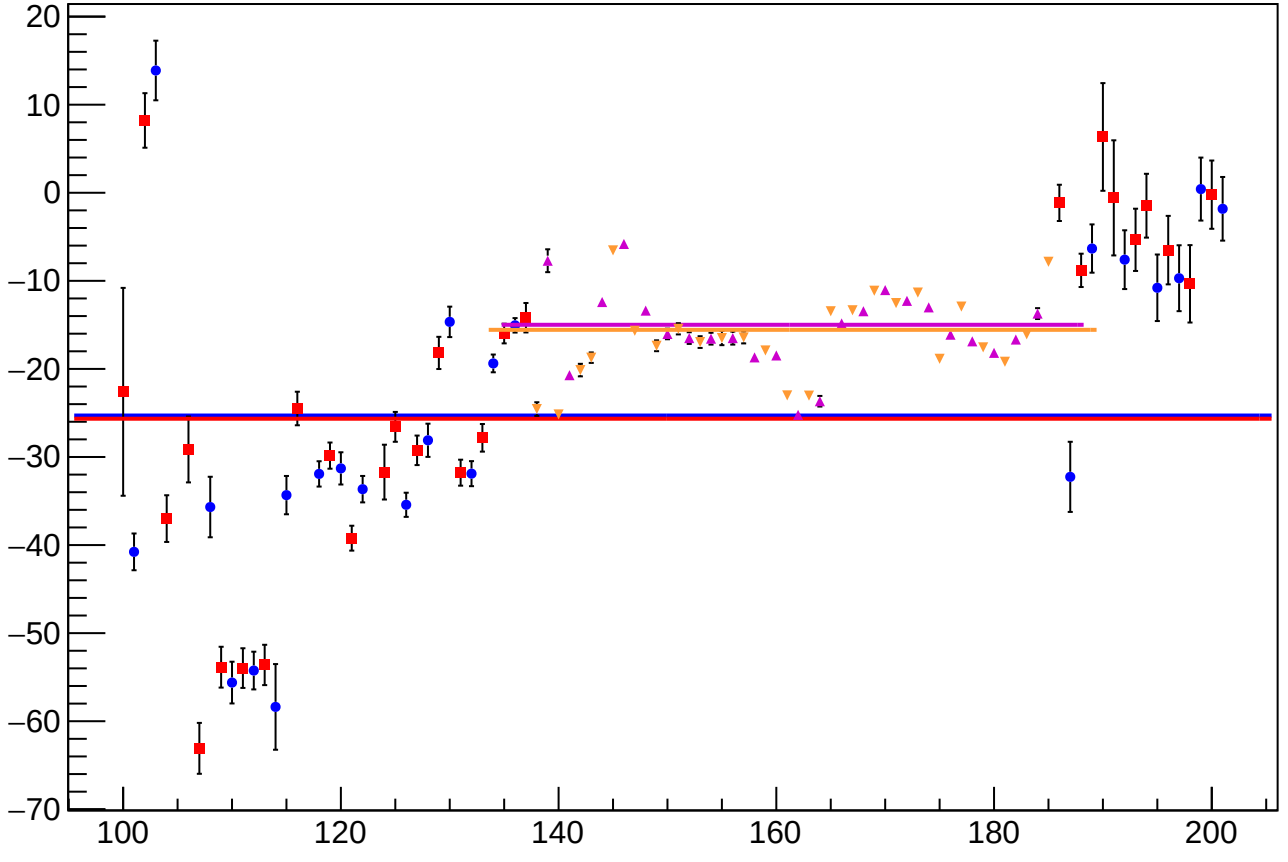
Right: -79.369+/-0.234 χ^2/NDF: 6567.0/50

In: -43.660+/-0.098 χ^2/NDF:26395.6/45

Out: -44.690+/-0.095 χ^2/NDF:34477.5/52

All: -44.188+/-0.068 χ^2/NDF: 60929.8/98

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: -25.656+/-0.399 χ^2/NDF: 1449.1/27

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

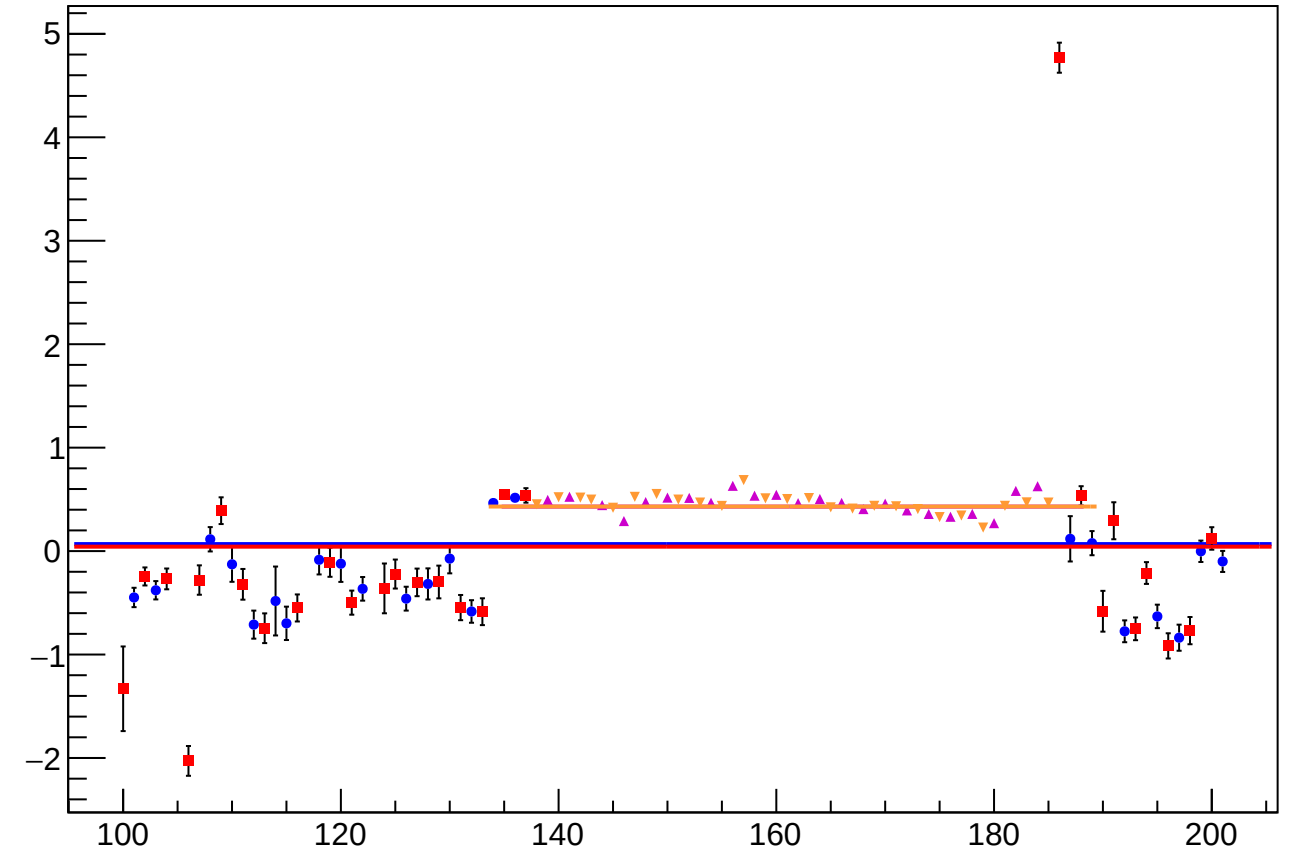
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

Right: -25.464+/-0.275 χ^2/NDF: 2632.5/50

In: -15.544+/-0.088 χ^2/NDF:4034.0/45

Out: -16.040+/-0.087 χ^2/NDF:4608.9/52

All: -15.795+/-0.062 χ^2/NDF: 8659.0/98



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: 0.043+/-0.021 χ^2/NDF: 1833.6/27

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

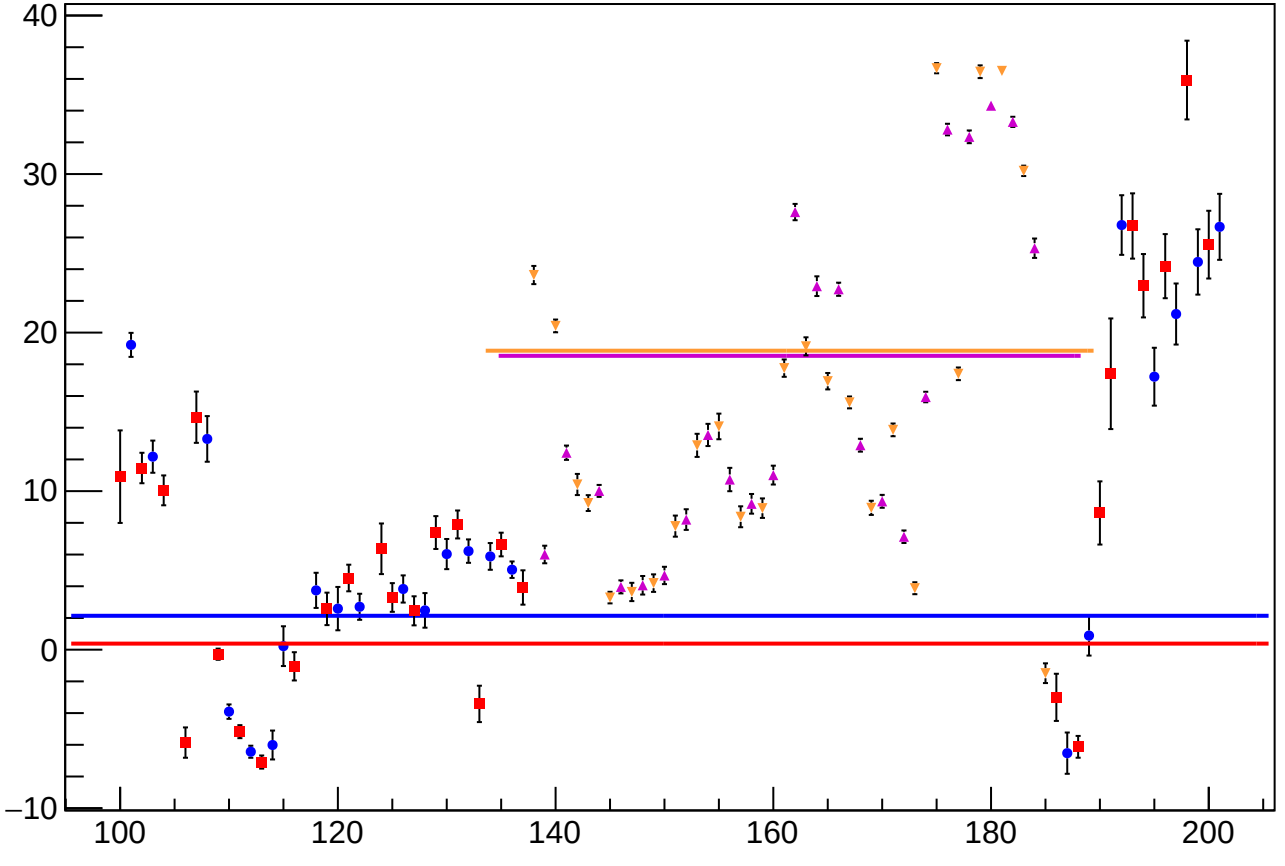
Right: 0.056+/-0.014 χ^2/NDF: 2433.2/50

In: 0.415+/-0.004 χ^2/NDF:1521.6/45

Out: 0.417+/-0.004 χ^2/NDF:2583.2/52

All: 0.416+/-0.003 χ^2/NDF: 4105.0/98

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: 0.382+/-0.159 χ^2/NDF: 2064.4/27

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

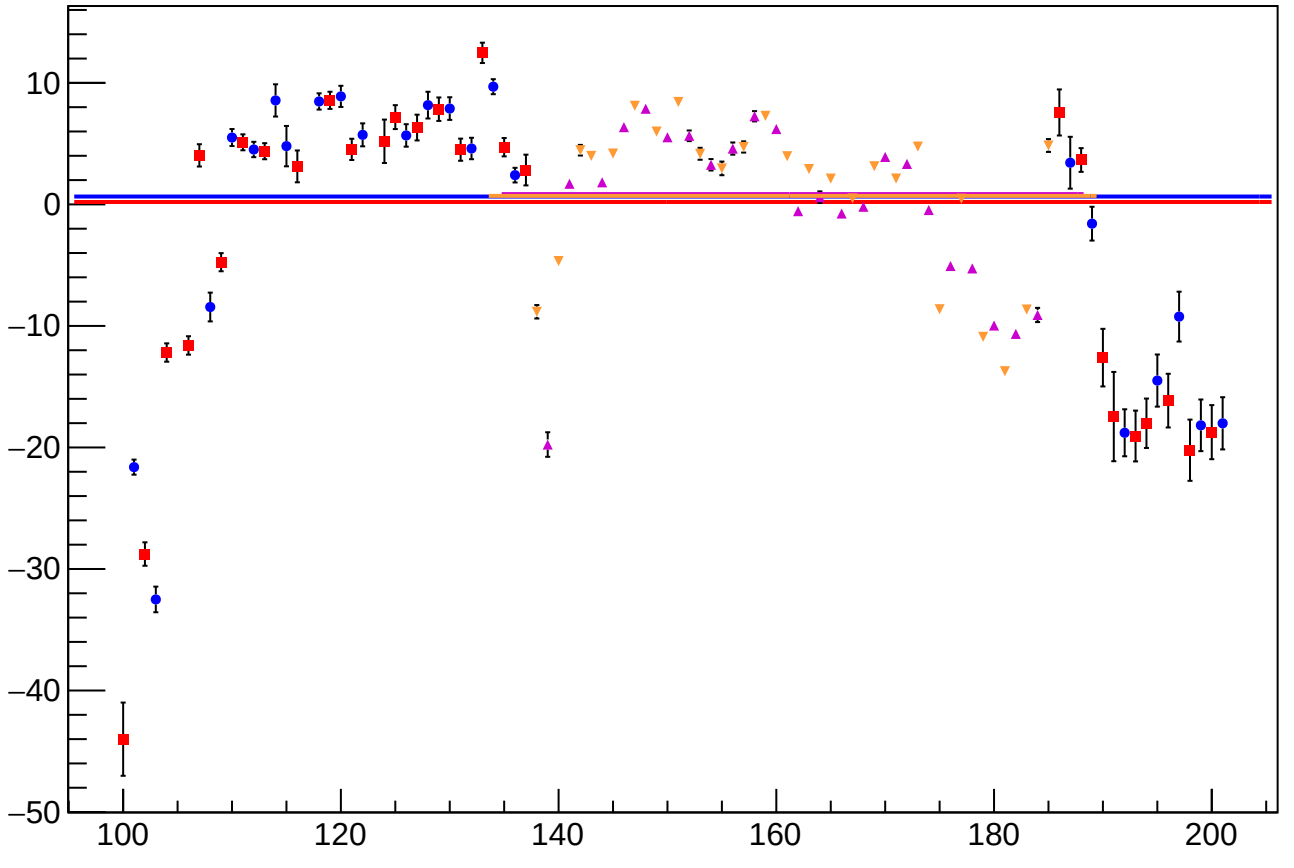
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.171+/-0.118 χ^2/NDF: 4296.3/50

In: 14.935+/-0.082 χ^2/NDF:23034.8/45

Out: 14.332+/-0.079 χ^2/NDF:30668.9/52

All: 14.619+/-0.057 χ^2/NDF: 53731.7/98



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: 0.198+/-0.192 χ^2/NDF: 2826.8/27

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

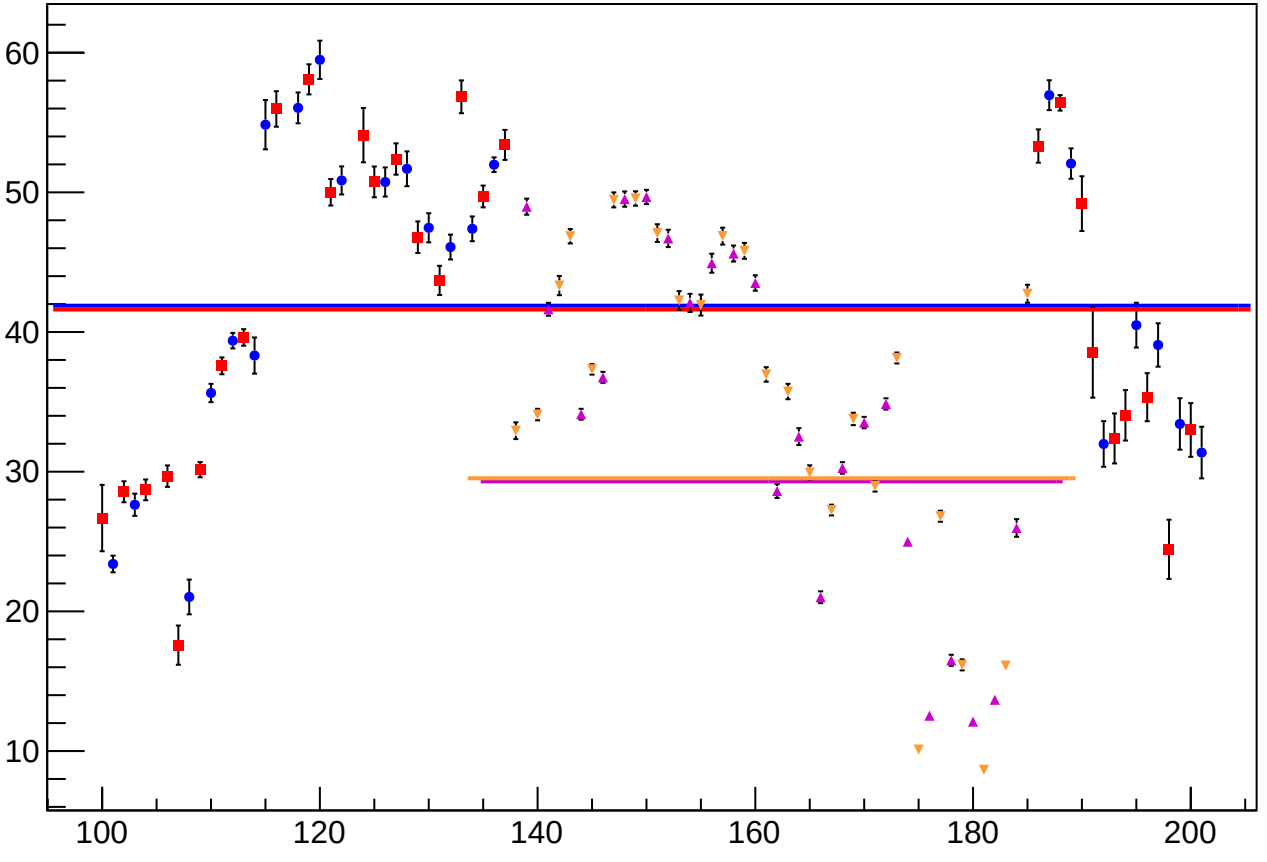
Right: 0.418+/-0.137 χ^2/NDF: 6258.1/50

In: 0.823+/-0.068 χ^2/NDF:9474.8/45

Out: 0.642+/-0.066 χ^2/NDF:11070.7/52

All: 0.730+/-0.047 χ^2/NDF: 20549.2/98

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: 41.610+/-0.182 χ^2/NDF: 3699.8/27

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

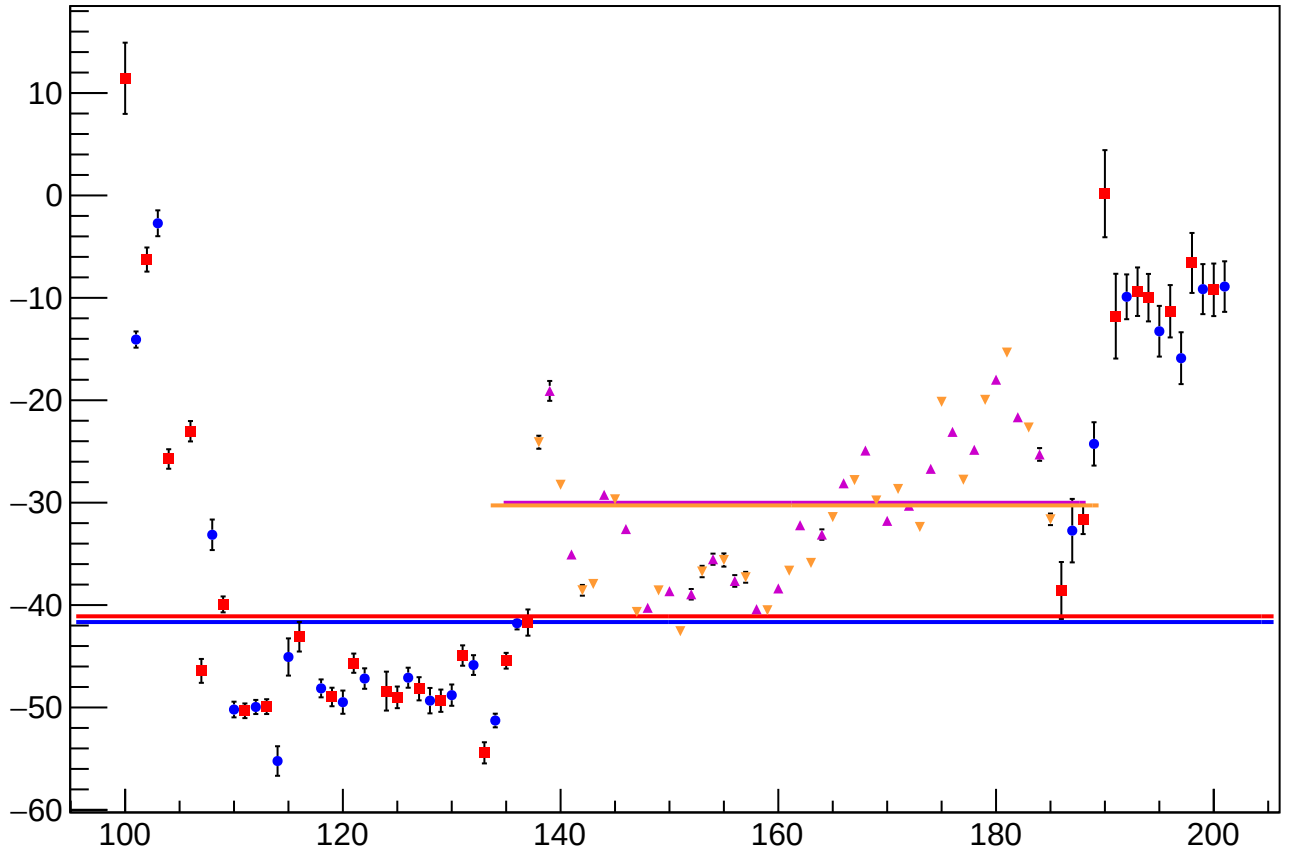
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 41.738+/-0.134 χ^2/NDF: 6831.9/50

In: 31.620+/-0.084 χ^2/NDF:24360.8/45

Out: 31.916+/-0.081 χ^2/NDF:28303.2/52

All: 31.773+/-0.058 χ^2/NDF: 52670.4/98



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: -41.098+/-0.220 χ^2/NDF: 3490.2/27

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

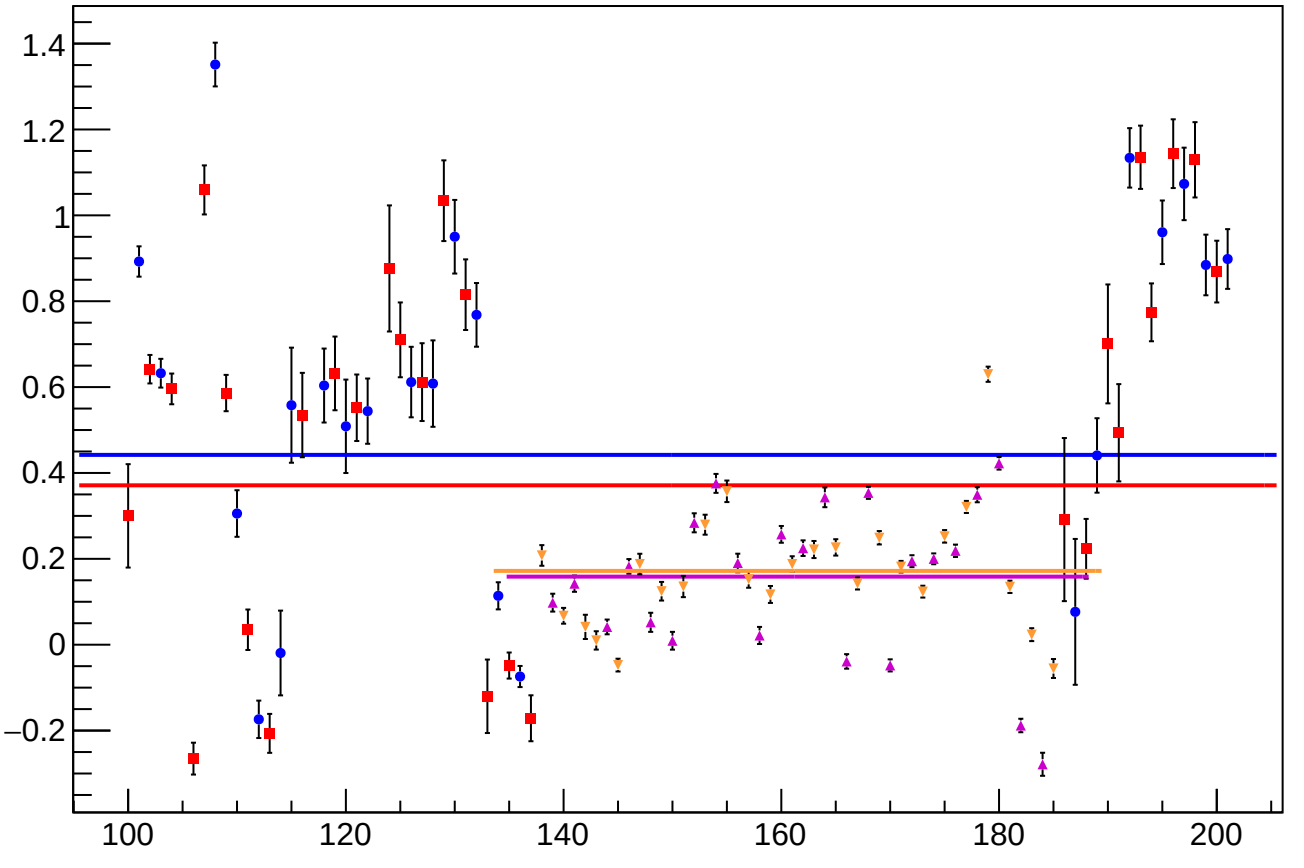
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -41.376+/-0.157 χ^2/NDF: 7403.9/50

In: -31.384+/-0.076 χ^2/NDF:12411.1/45

Out: -31.507+/-0.075 χ^2/NDF:14127.1/52

All: -31.447+/-0.053 χ^2/NDF: 26539.6/98



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: 0.371+/-0.011 χ^2/NDF: 1612.3/27

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

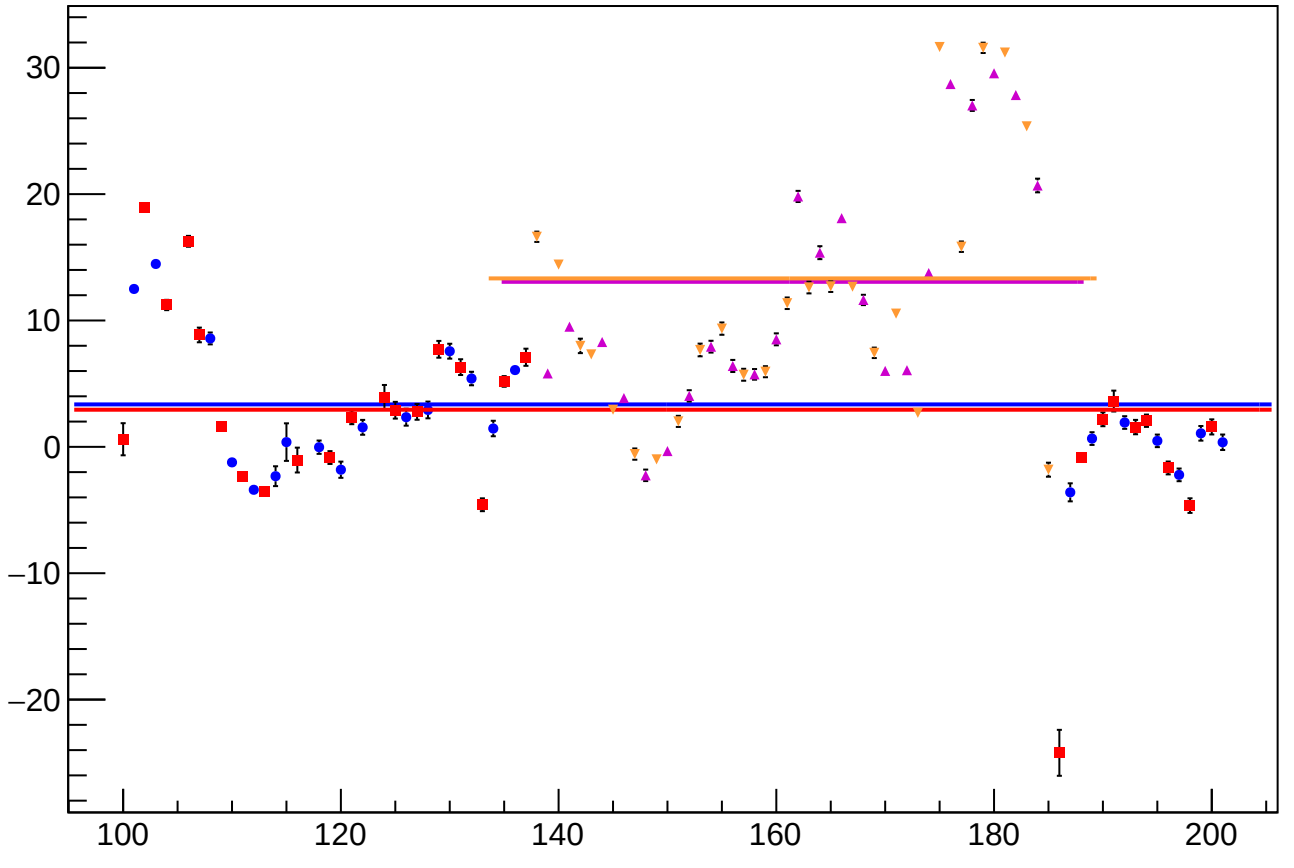
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.406+/-0.008 χ^2/NDF: 3281.7/50

In: 0.185+/-0.003 χ^2/NDF:4407.0/45

Out: 0.190+/-0.003 χ^2/NDF:3404.6/52

All: 0.188+/-0.002 χ^2/NDF: 7812.7/98



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: 2.939+/-0.091 χ^2/NDF: 5081.6/27

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

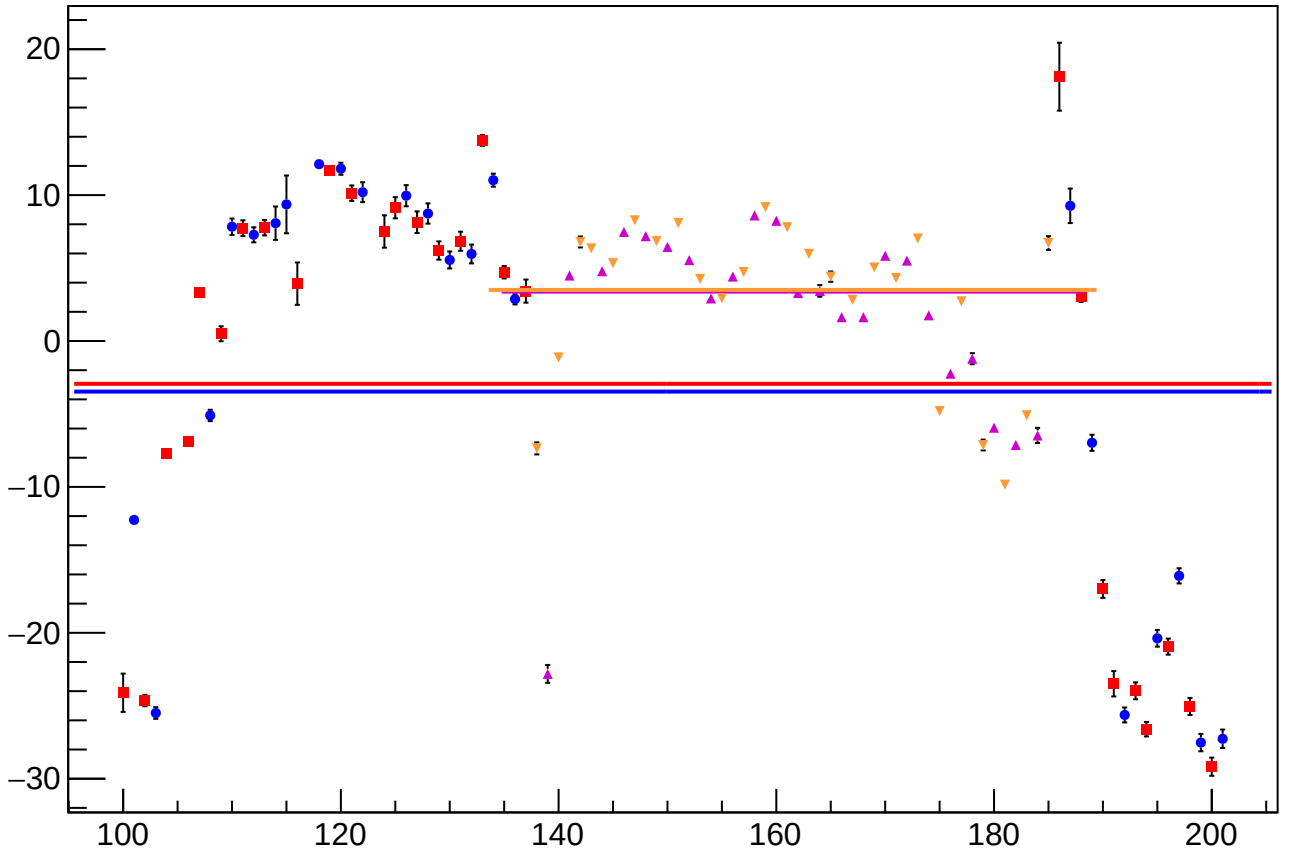
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.125+/-0.068 χ^2/NDF: 8126.4/50

In: 9.392+/-0.063 χ^2/NDF:24253.7/45

Out: 9.004+/-0.059 χ^2/NDF:32142.9/52

All: 9.186+/-0.043 χ^2/NDF: 56416.9/98



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: -2.934+/-0.096 χ^2/NDF: 20233.5/27

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

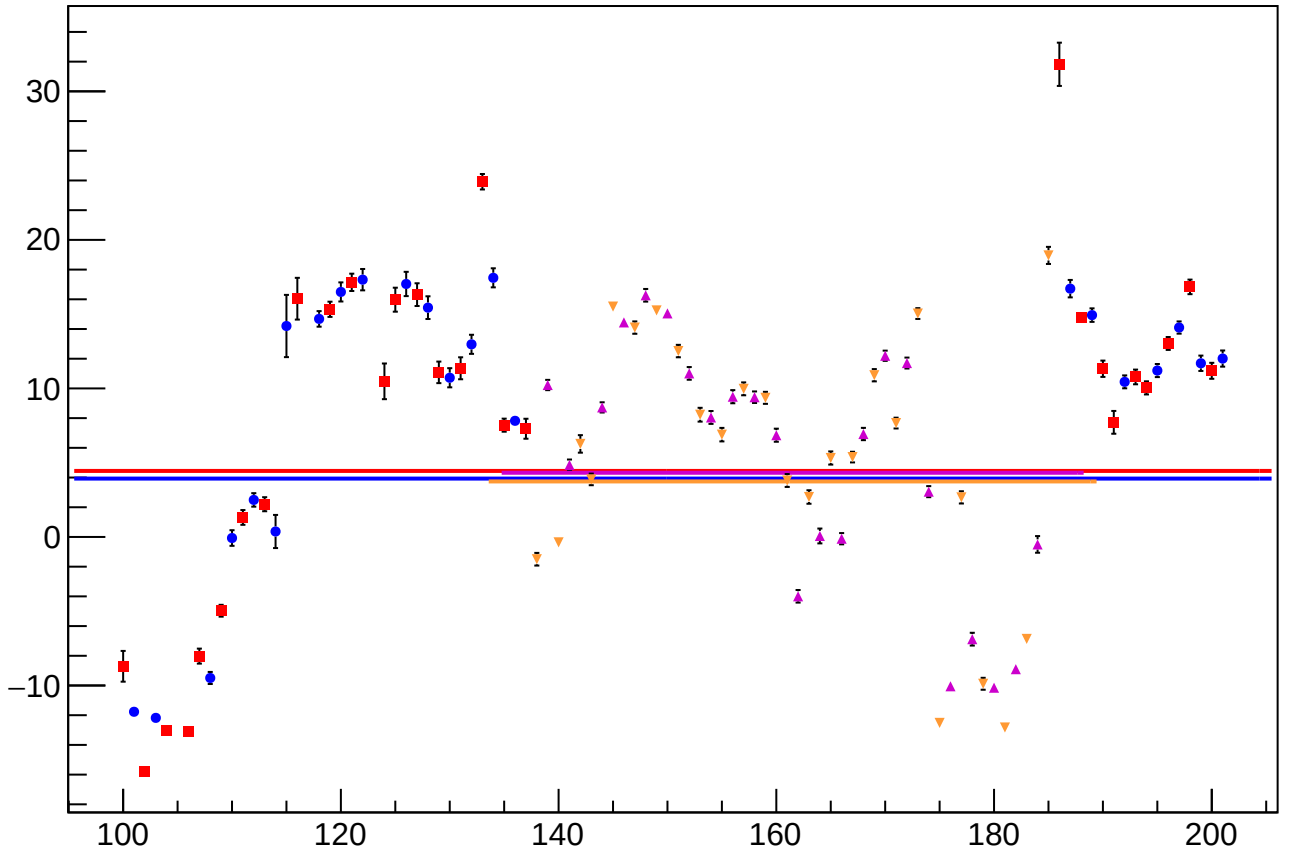
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -3.183+/-0.070 χ^2/NDF: 38515.7/50

In: 1.606+/-0.052 χ^2/NDF:28252.4/45

Out: 1.762+/-0.050 χ^2/NDF:31412.1/52

All: 1.687+/-0.036 χ^2/NDF: 59669.1/98



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: 4.445+/-0.089 χ^2/NDF: 19270.6/27

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

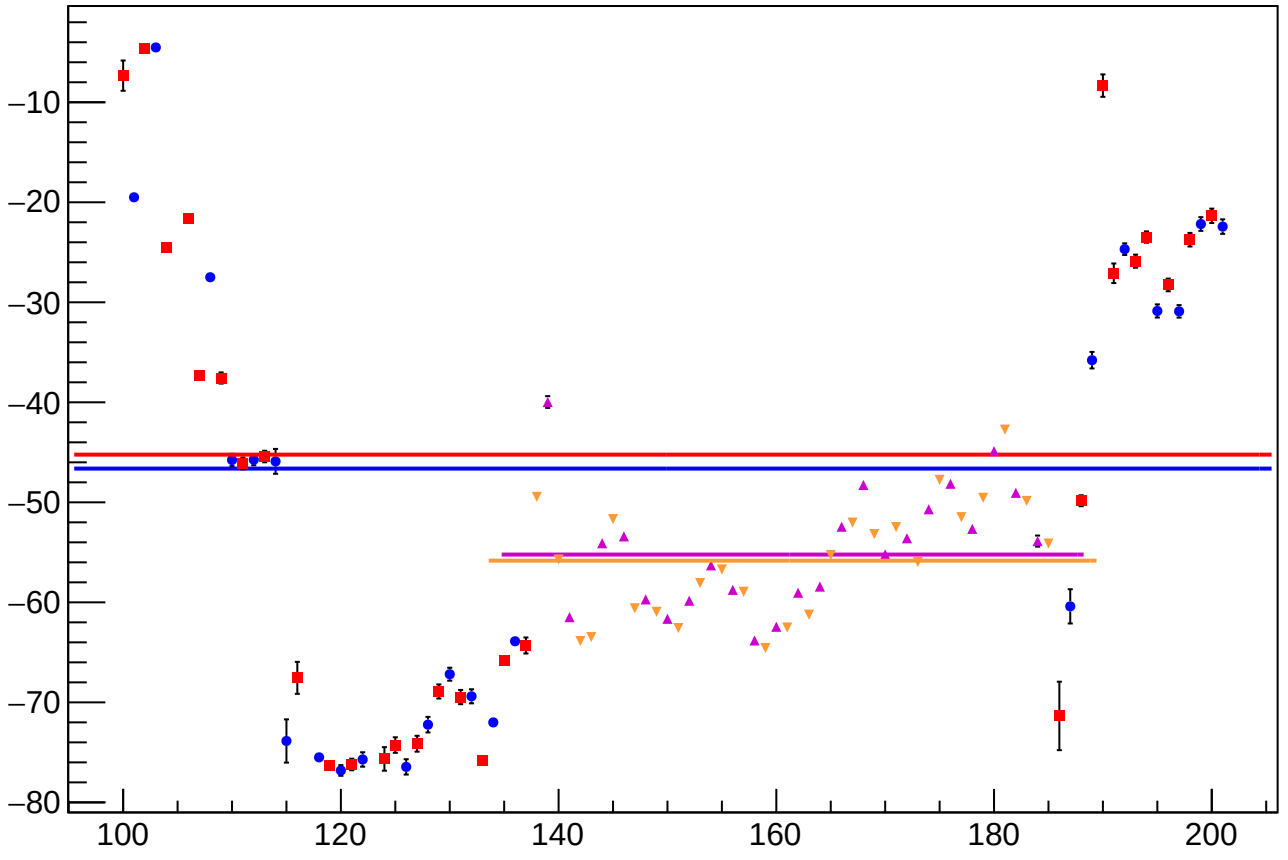
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.215+/-0.066 χ^2/NDF: 32277.5/50

In: 4.171+/-0.062 χ^2/NDF:25485.0/45

Out: 4.038+/-0.058 χ^2/NDF:34893.6/52

All: 4.100+/-0.042 χ^2/NDF: 60381.1/98



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: -45.230+/-0.115 χ^2/NDF: 41932.4/27

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

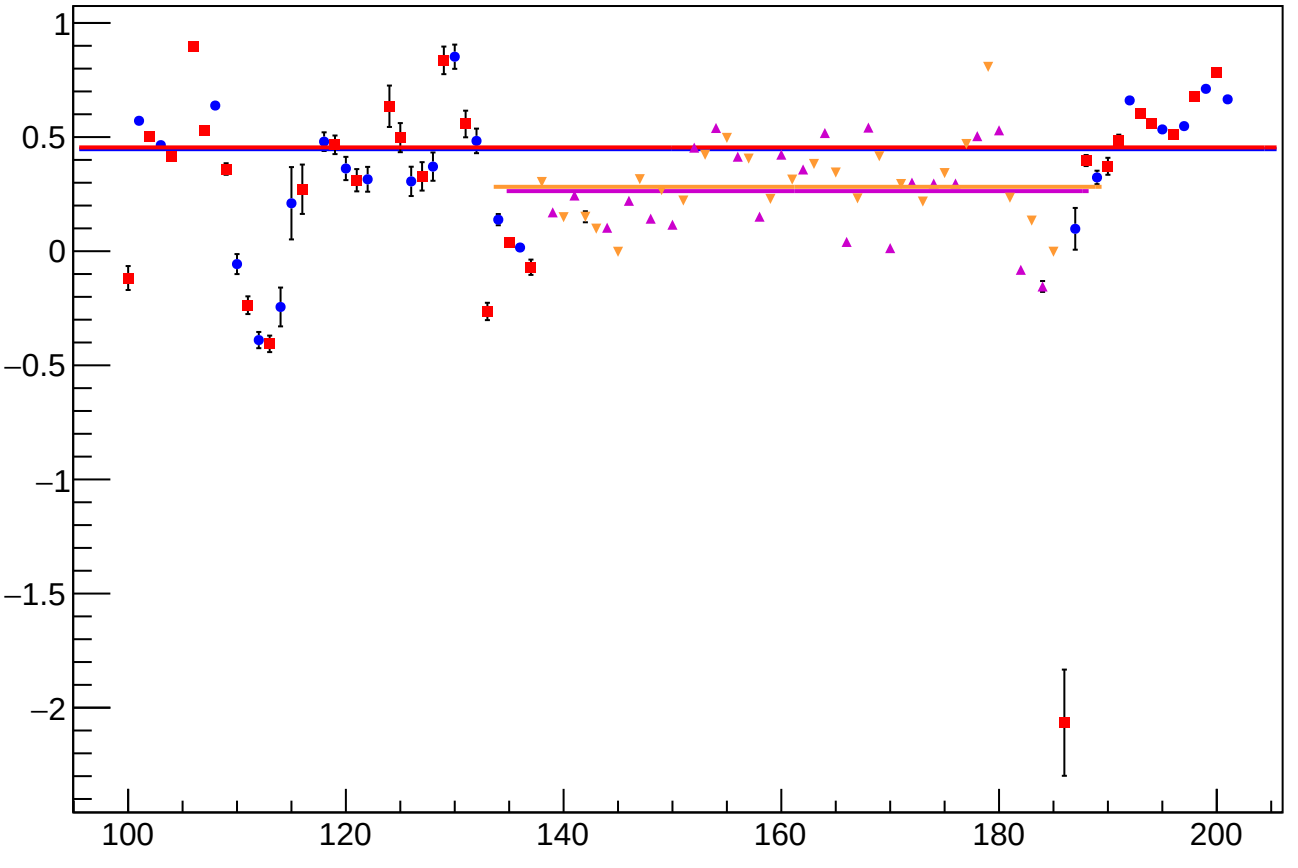
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -45.890+/-0.083 χ^2/NDF: 82173.3/50

In: -53.135+/-0.060 χ^2/NDF:50313.5/45

Out: -53.179+/-0.057 χ^2/NDF:55915.7/52

All: -53.158+/-0.041 χ^2/NDF: 106229.4/98



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: 0.455+/-0.005 χ^2/NDF: 3564.7/27

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

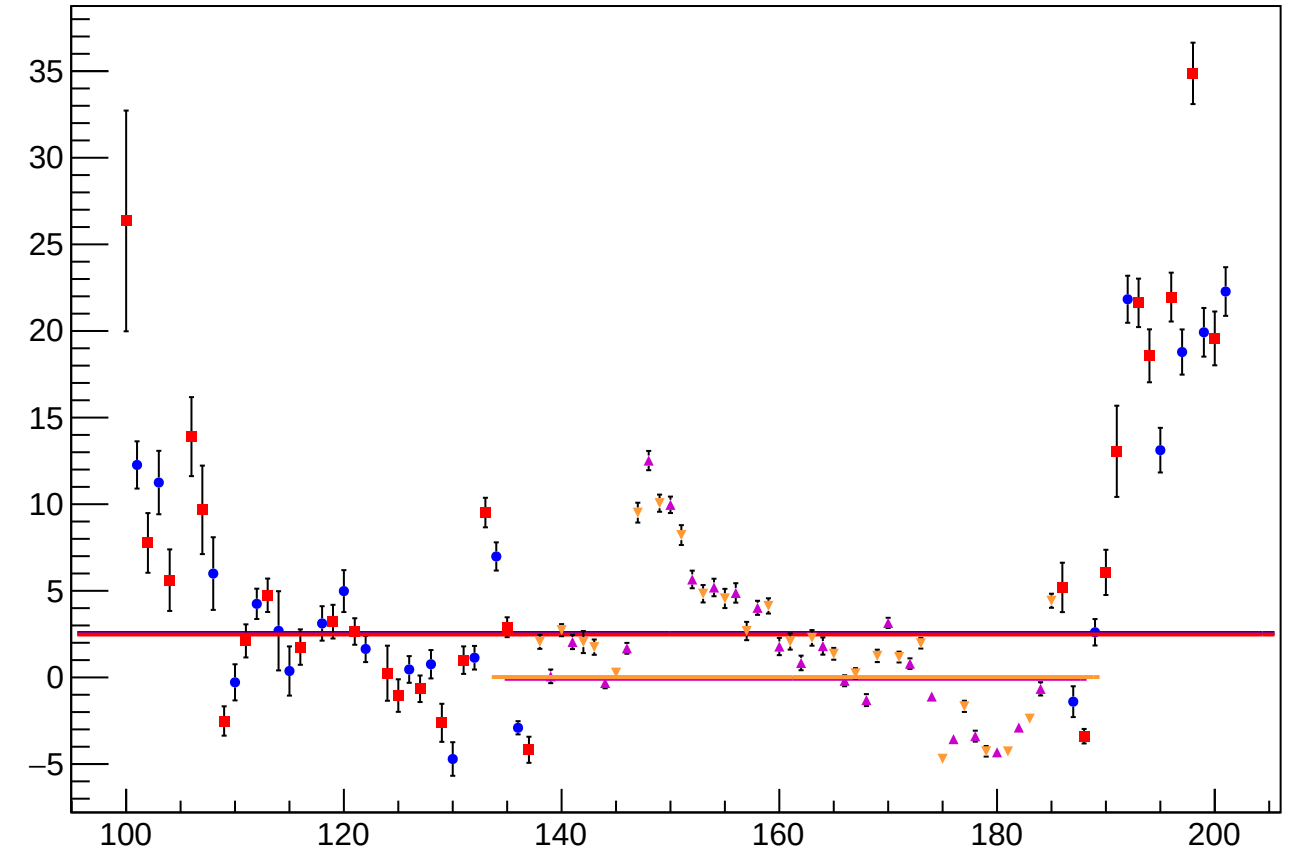
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

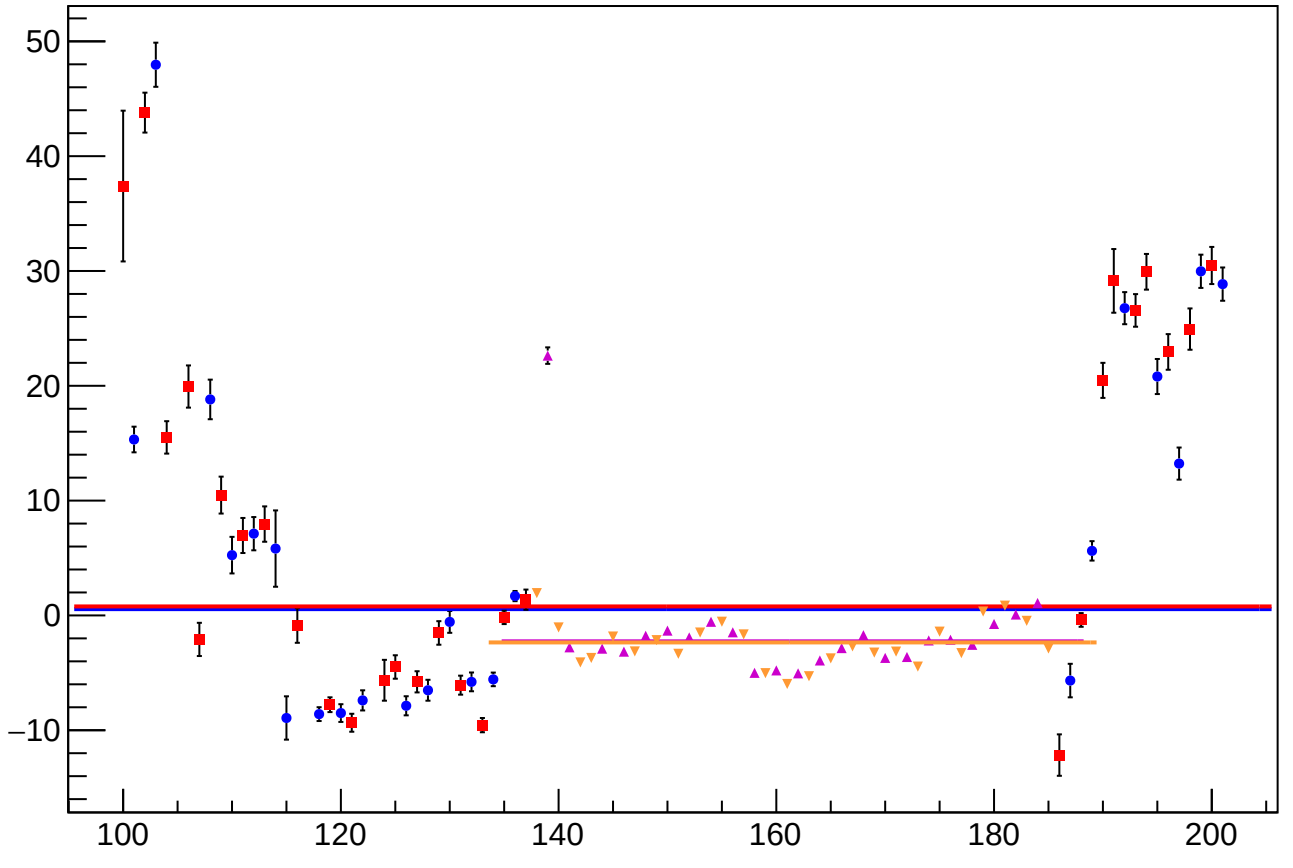
Right: 0.451+/-0.003 χ^2/NDF: 6113.1/50

In: 0.312+/-0.003 χ^2/NDF:7351.7/45

Out: 0.331+/-0.003 χ^2/NDF:7222.0/52

All: 0.322+/-0.002 χ^2/NDF: 14601.1/98


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: 2.479+/-0.185 χ²/NDF: 1472.5/27
Left In: -0.080+/-0.071 χ²/NDF:2464.5/22
Left: -0.027+/-0.049 χ²/NDF: 5224.9/47
Right: 2.521+/-0.132 χ²/NDF: 2667.8/50
In: 0.244+/-0.066 χ²/NDF:3830.7/45
Out: 0.319+/-0.064 χ²/NDF:4387.0/52
All: 0.282+/-0.046 χ²/NDF: 8218.4/98



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: 0.783+/-0.201 χ^2/NDF: 3459.0/27

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

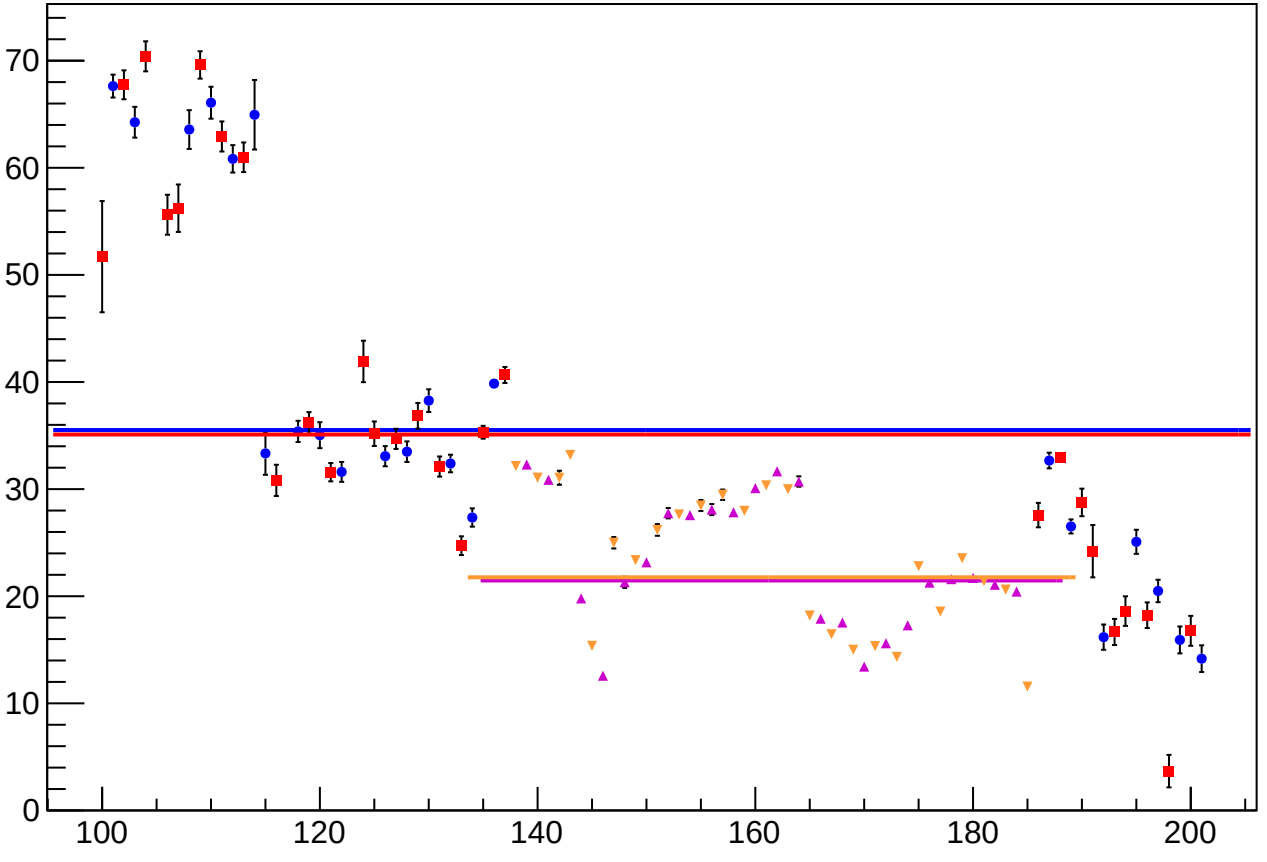
Right: 0.663+/-0.141 χ^2/NDF: 6659.3/50

In: -2.044+/-0.054 χ^2/NDF:5264.8/45

Out: -2.133+/-0.053 χ^2/NDF:4811.1/52

All: -2.089+/-0.038 χ^2/NDF: 10077.3/98

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 35.517+/-0.194 χ^2/NDF: 4004.3/22

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.098+/-0.185 χ^2/NDF: 4462.1/27

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

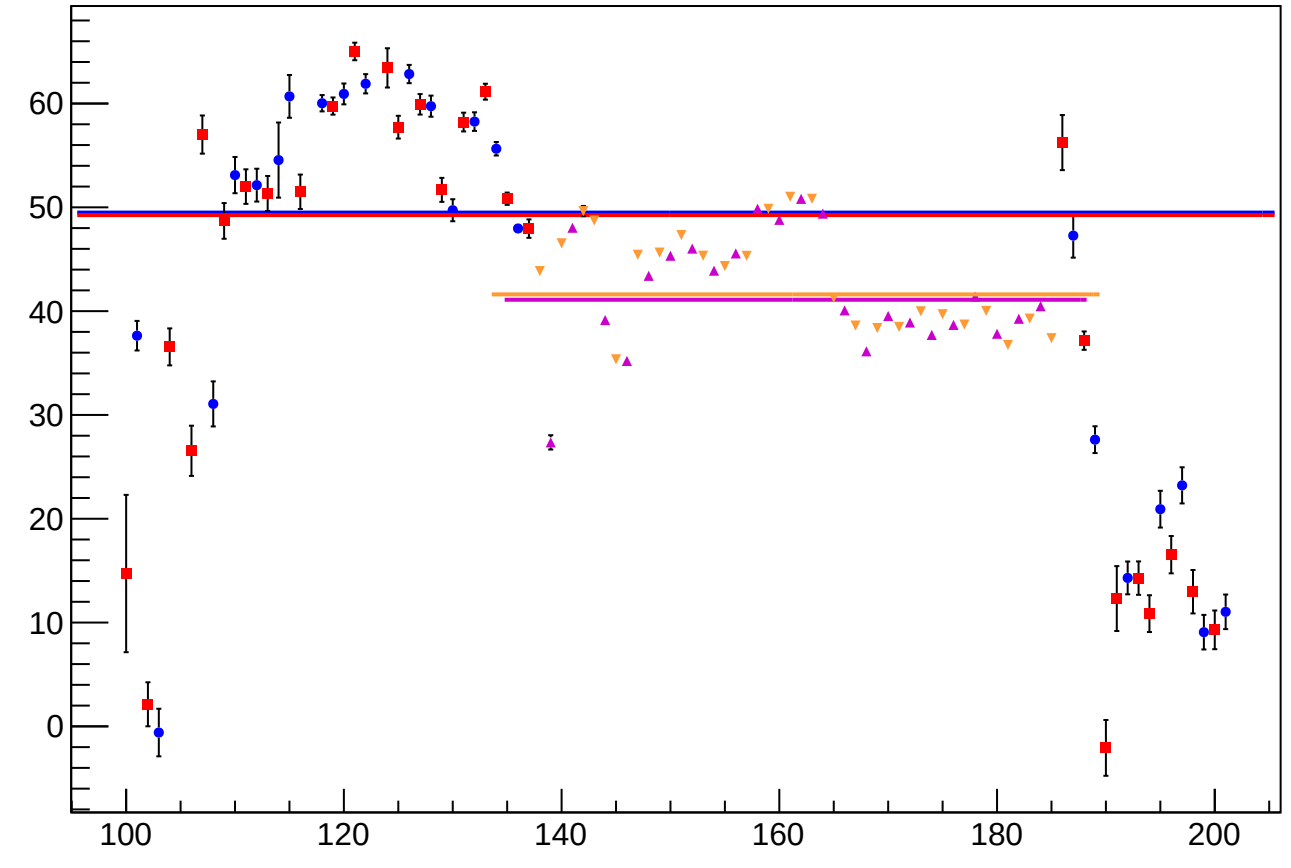
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 35.298+/-0.134 χ^2/NDF: 8468.8/50

In: 23.113+/-0.066 χ^2/NDF:14415.3/45

Out: 23.383+/-0.065 χ^2/NDF:15815.3/52

All: 23.252+/-0.046 χ^2/NDF: 30239.1/98



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: 49.254+/-0.233 χ^2/NDF: 4503.3/27

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

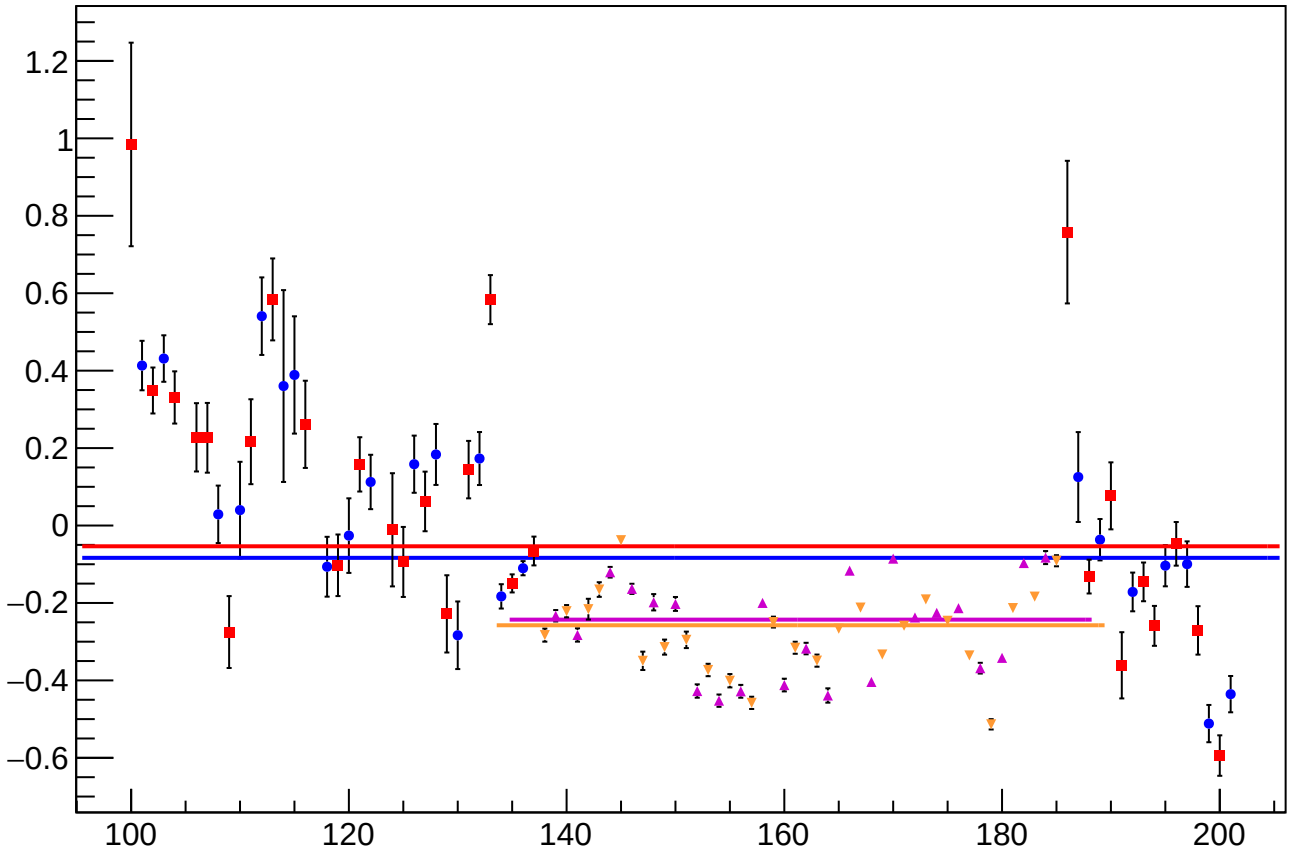
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 49.378+/-0.161 χ^2/NDF: 8573.1/50

In: 41.712+/-0.060 χ^2/NDF:10859.9/45

Out: 42.107+/-0.059 χ^2/NDF:11285.8/52

All: 41.913+/-0.042 χ^2/NDF: 22167.5/98



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: -0.054+/-0.012 χ^2/NDF: 486.2/27

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

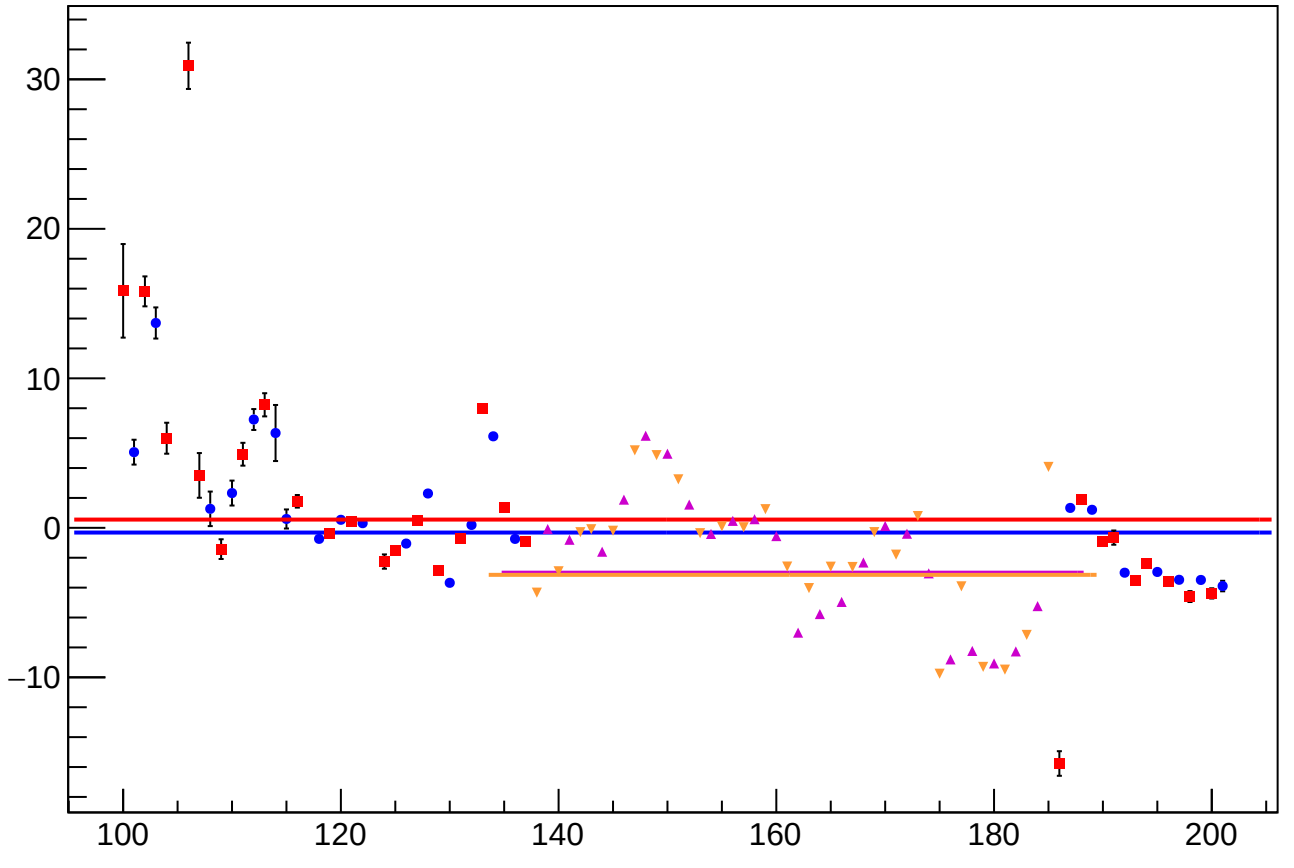
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.069+/-0.008 χ^2/NDF: 883.4/50

In: -0.233+/-0.003 χ^2/NDF:2407.7/45

Out: -0.247+/-0.003 χ^2/NDF:2295.6/52

All: -0.240+/-0.002 χ^2/NDF: 4716.4/98



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: 0.552+/-0.058 χ^2/NDF: 4009.6/27

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

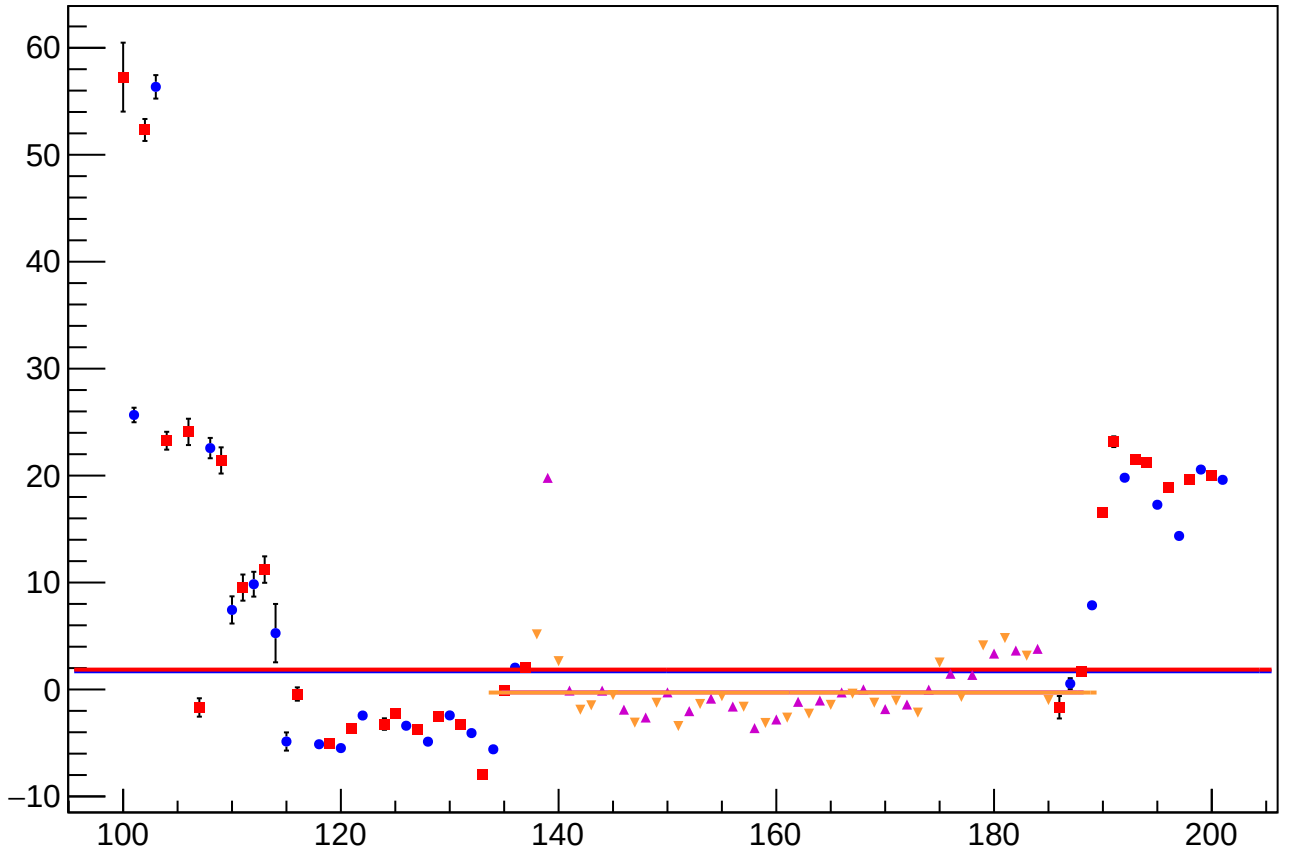
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.157+/-0.043 χ^2/NDF: 5854.6/50

In: -2.547+/-0.026 χ^2/NDF:25665.5/45

Out: -2.453+/-0.025 χ^2/NDF:32691.3/52

All: -2.498+/-0.018 χ^2/NDF: 58363.5/98



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: 1.858+/-0.059 χ^2/NDF: 32595.0/27

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

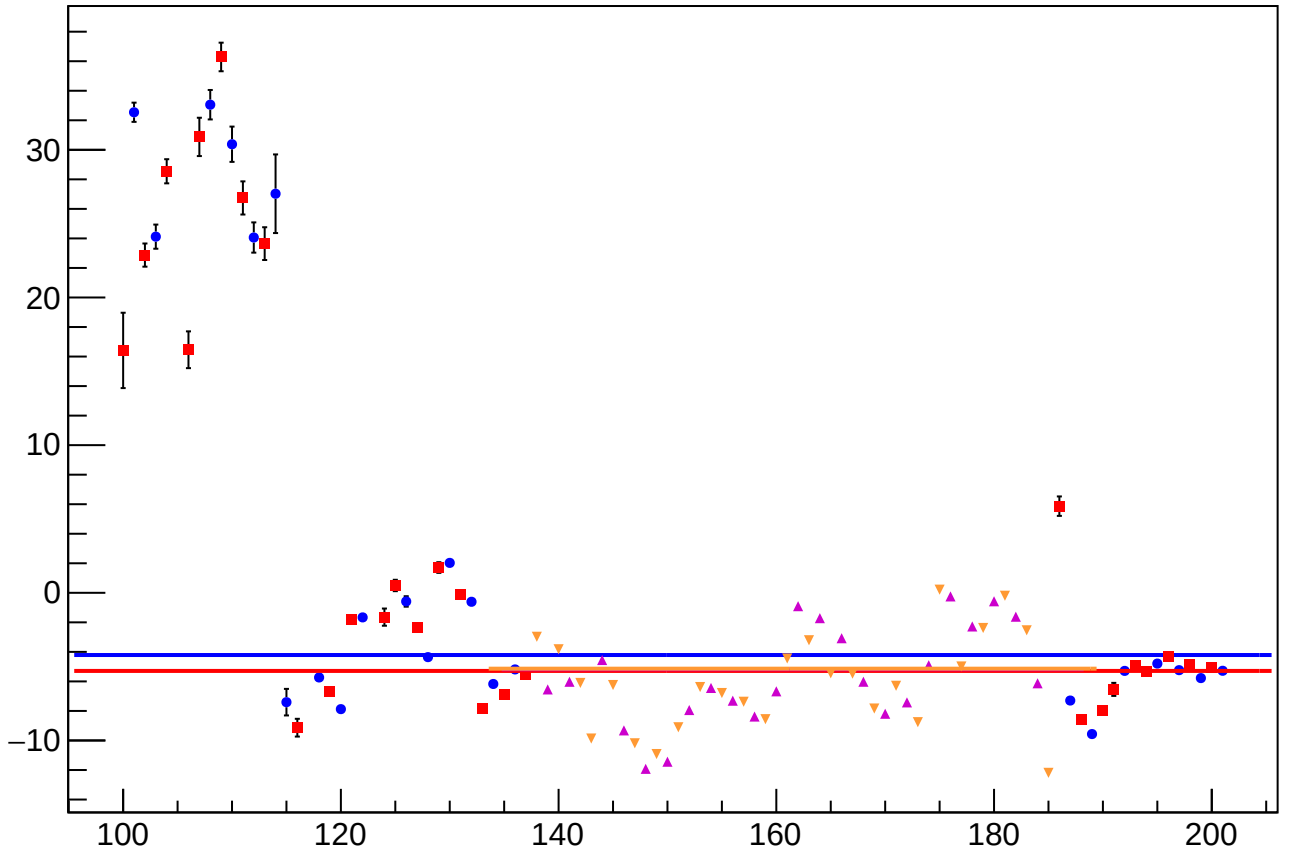
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 1.784+/-0.042 χ^2/NDF: 57545.5/50

In: -0.041+/-0.021 χ^2/NDF:39083.1/45

Out: -0.026+/-0.020 χ^2/NDF:45973.9/52

All: -0.033+/-0.015 χ^2/NDF: 85057.2/98



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: -5.290+/-0.055 χ^2/NDF: 10479.9/27

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

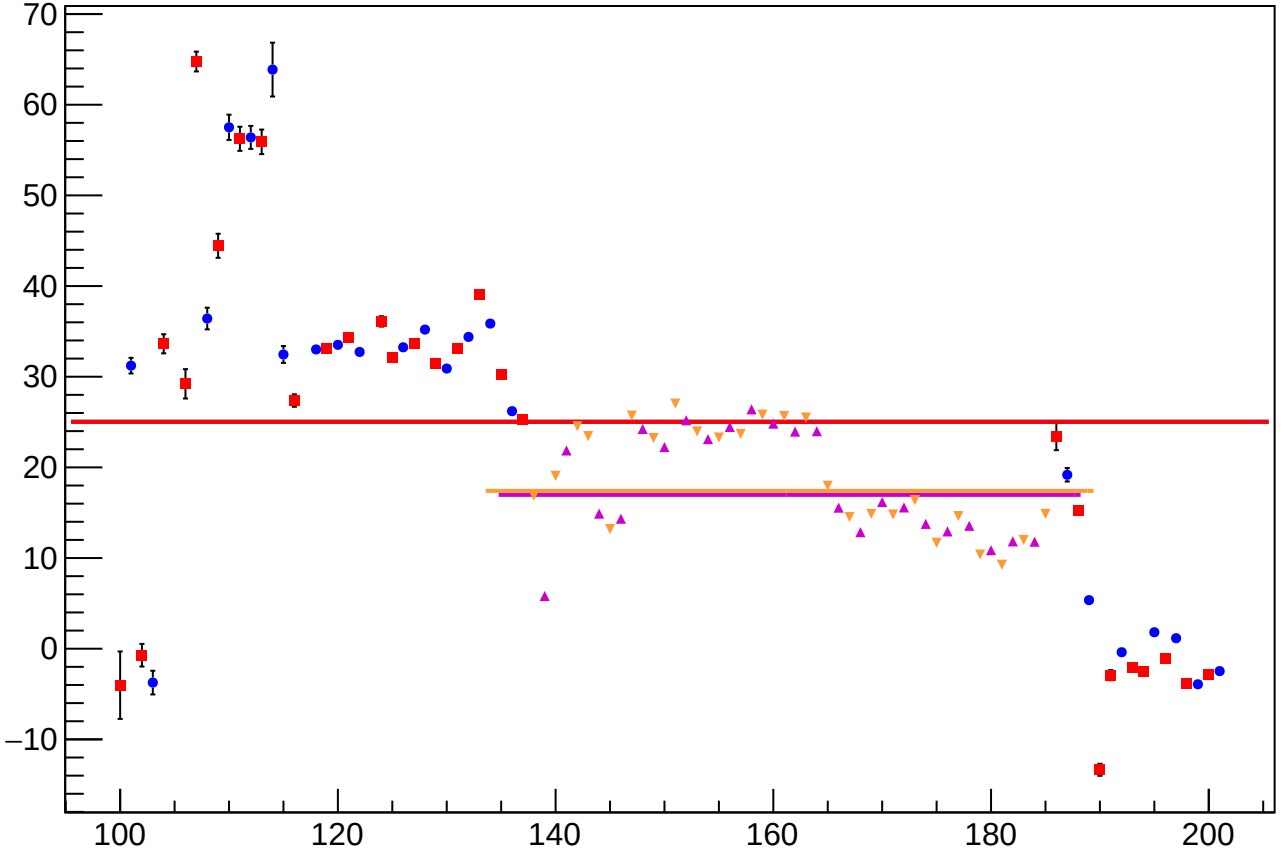
Right: -4.819+/-0.041 χ^2/NDF: 20034.5/50

In: -5.013+/-0.026 χ^2/NDF:23548.5/45

Out: -5.169+/-0.025 χ^2/NDF:25112.0/52

All: -5.094+/-0.018 χ^2/NDF: 48679.3/98

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: 25.024+/-0.069 χ^2/NDF: 50462.9/27

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

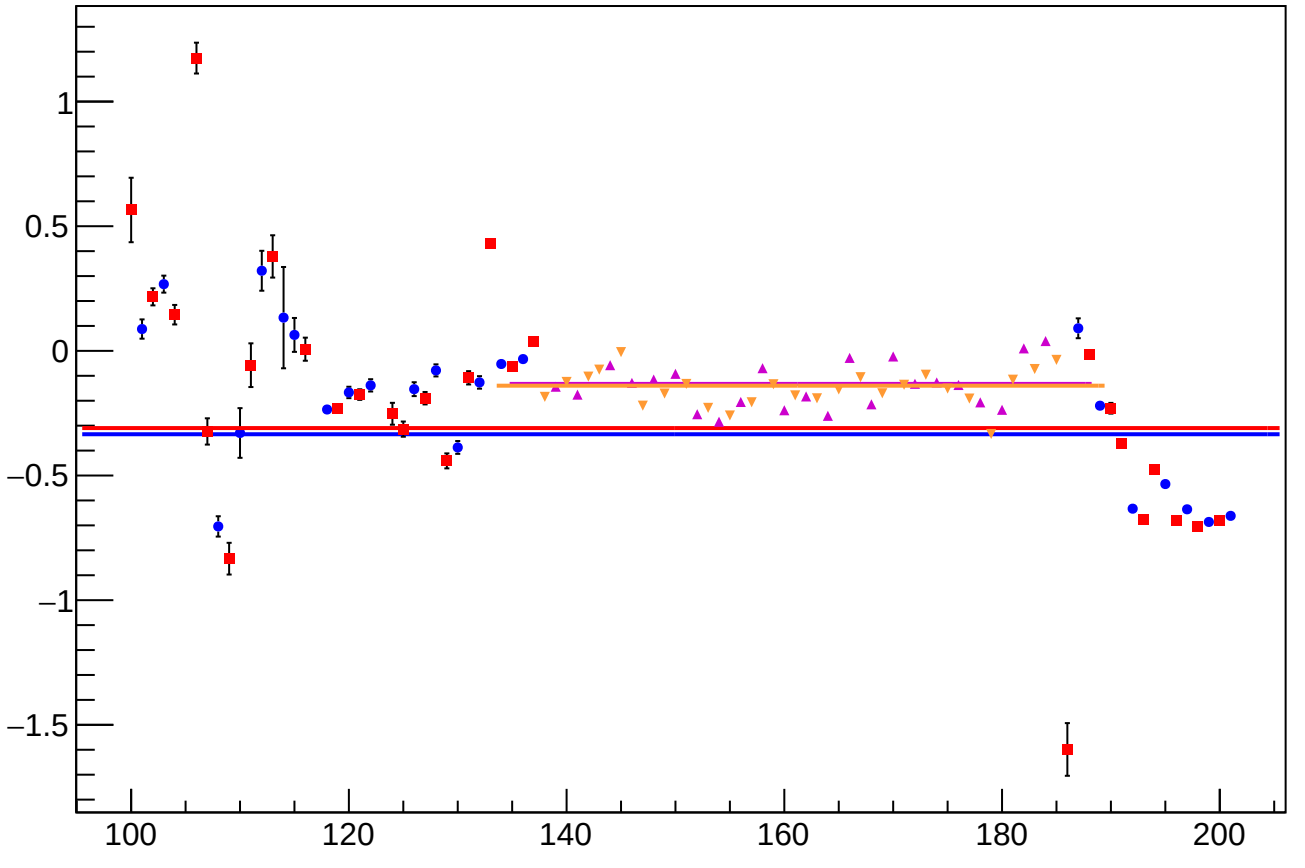
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 25.030+/-0.050 χ^2/NDF: 87485.9/50

In: 17.847+/-0.024 χ^2/NDF:88307.5/45

Out: 18.251+/-0.023 χ^2/NDF:111814.1/52

All: 18.053+/-0.016 χ^2/NDF: 200271.4/98



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: -0.310+/-0.003 χ^2/NDF: 10630.0/27

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

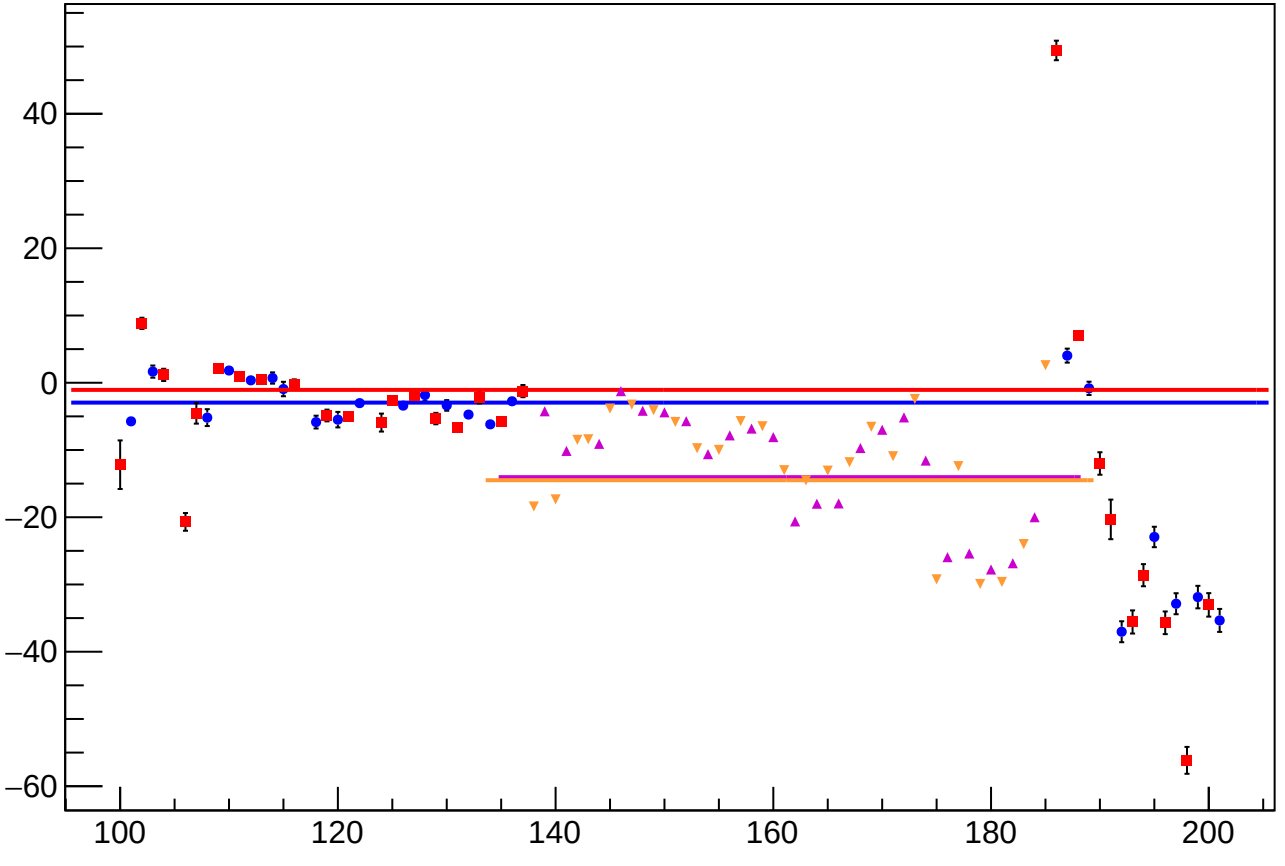
Right: -0.322+/-0.002 χ^2/NDF: 17767.1/50

In: -0.152+/-0.001 χ^2/NDF:15863.7/45

Out: -0.156+/-0.001 χ^2/NDF:17132.5/52

All: -0.154+/-0.001 χ^2/NDF: 33004.4/98

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.060+/-0.139 χ^2/NDF: 4461.4/27

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

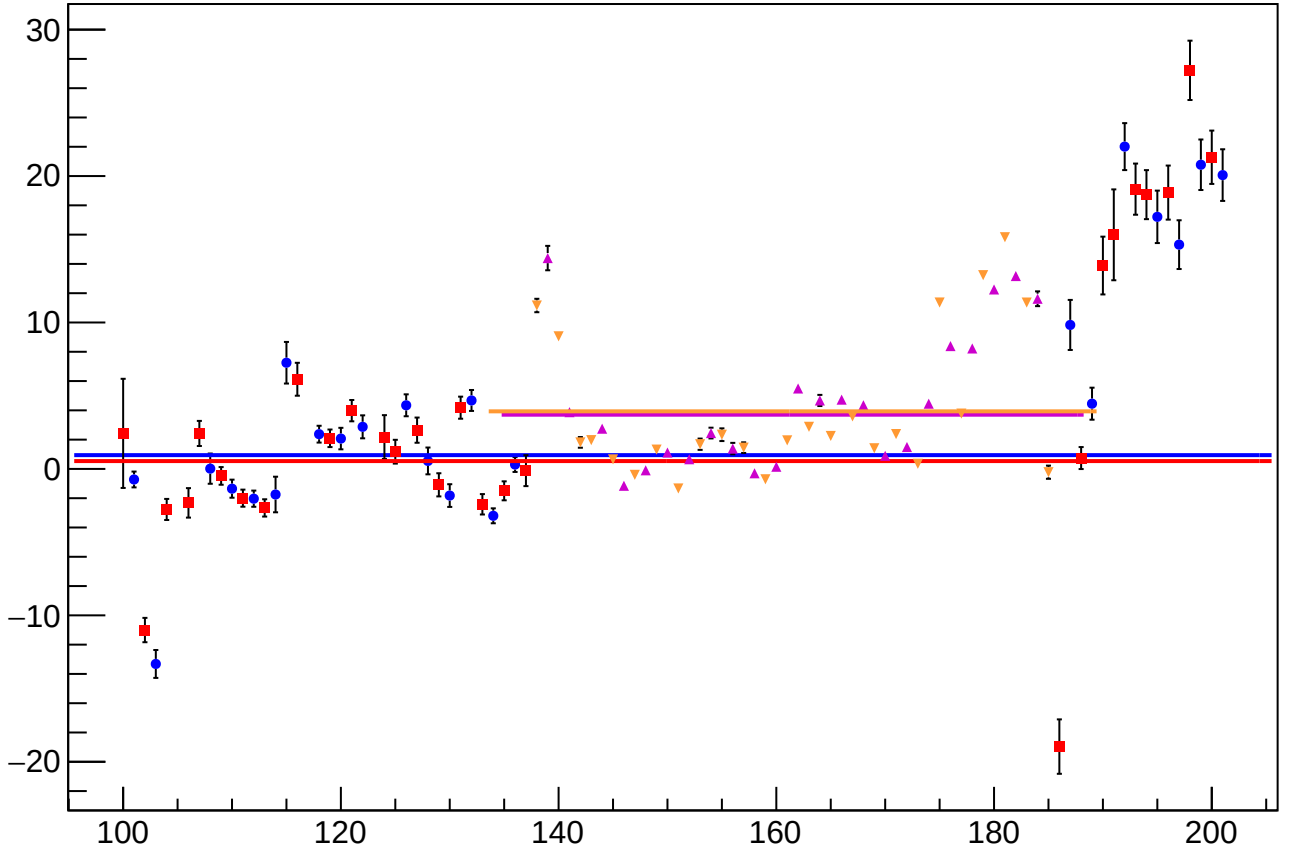
Right: -1.936+/-0.102 χ^2/NDF: 6625.5/50

In: -11.737+/-0.068 χ^2/NDF:19883.8/45

Out: -11.487+/-0.066 χ^2/NDF:28920.1/52

All: -11.607+/-0.047 χ^2/NDF: 48810.9/98

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.536+/-0.167 χ^2/NDF: 1209.3/27

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

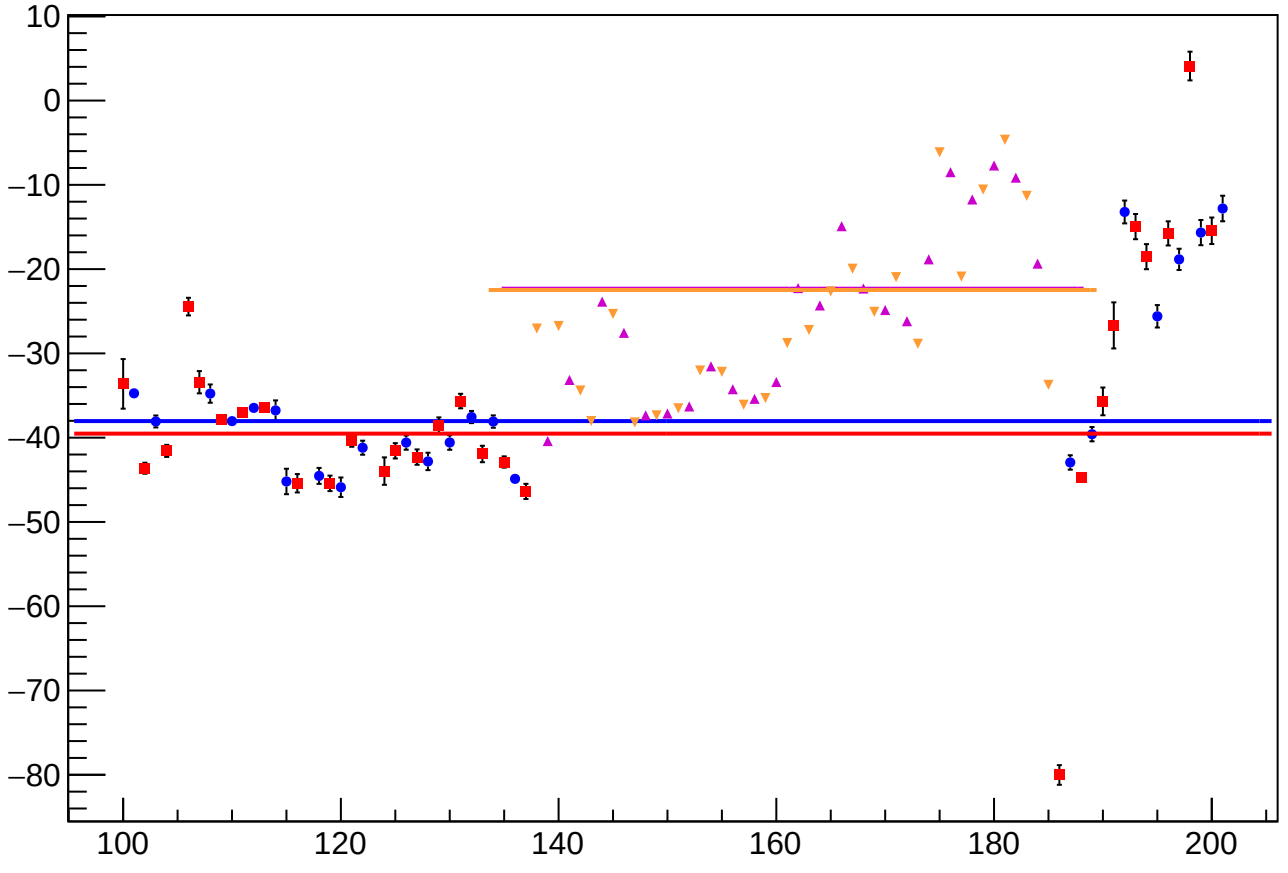
Right: 0.740+/-0.118 χ^2/NDF: 2273.9/50

In: 3.391+/-0.056 χ^2/NDF:6095.8/45

Out: 3.568+/-0.055 χ^2/NDF:8557.1/52

All: 3.481+/-0.039 χ^2/NDF: 14658.0/98

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: -39.520+/-0.159 χ^2/NDF: 3571.0/27

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

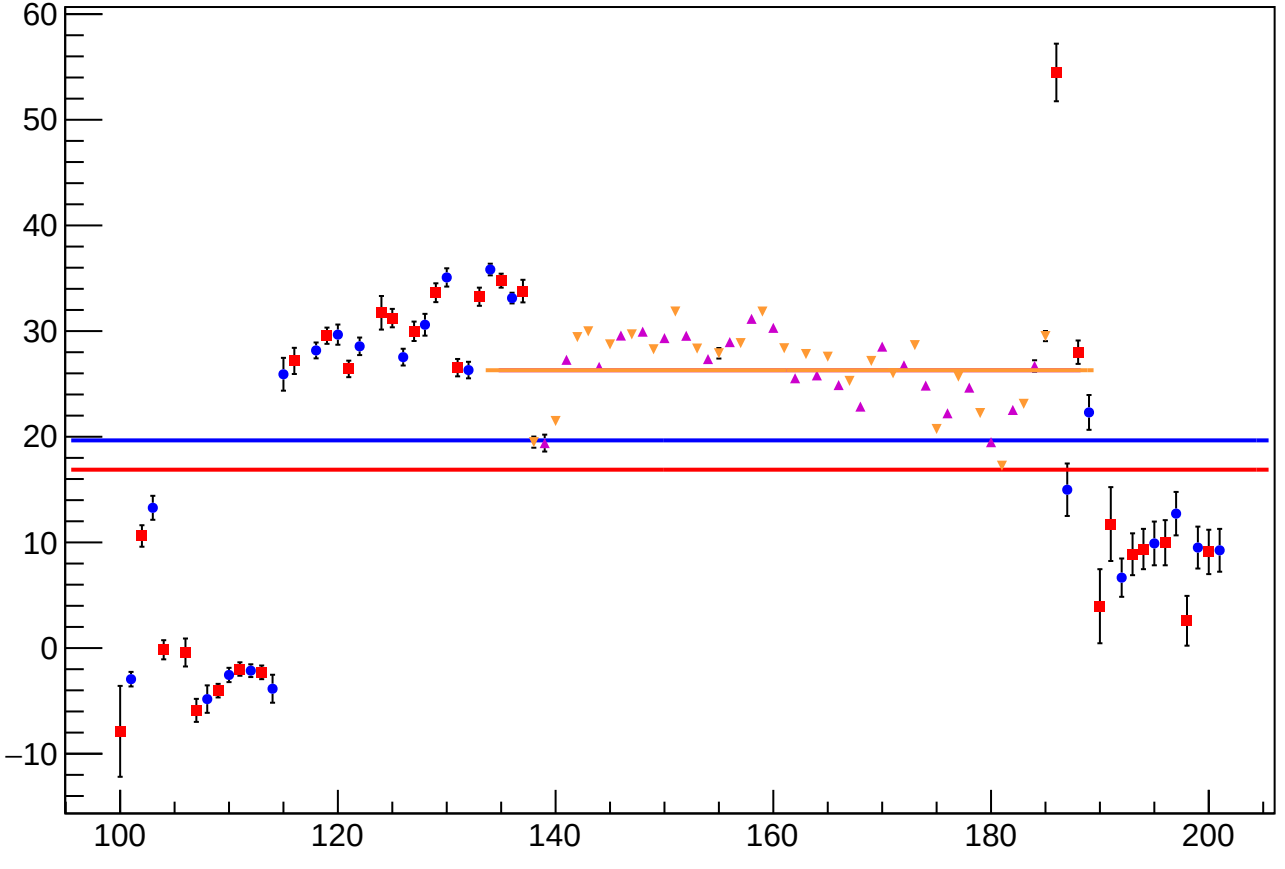
Right: -38.807+/-0.115 χ^2/NDF: 5277.0/50

In: -25.070+/-0.070 χ^2/NDF:26159.7/45

Out: -25.551+/-0.068 χ^2/NDF:33354.3/52

All: -25.317+/-0.049 χ^2/NDF: 59538.6/98

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: 16.883+/-0.191 χ^2/NDF: 7139.2/27

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

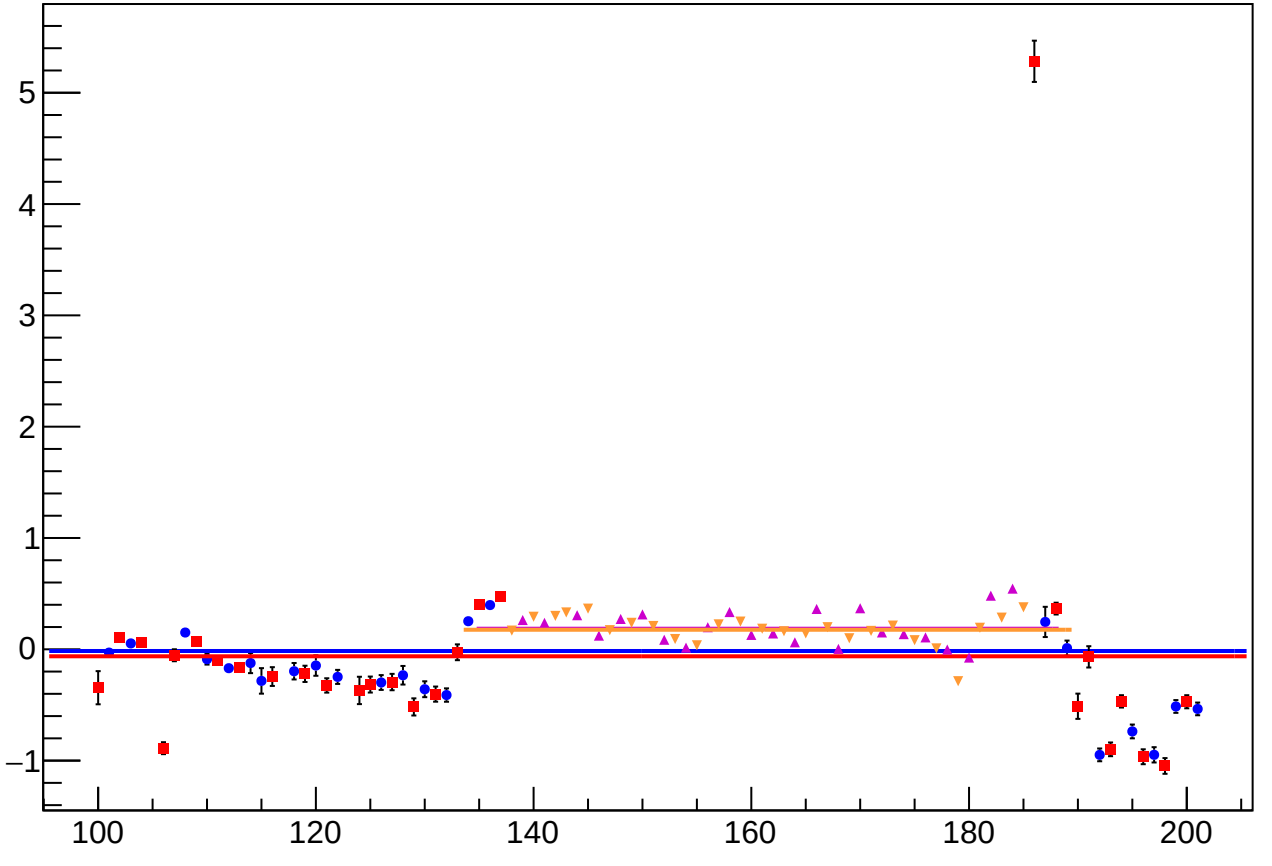
Right: 18.290+/-0.134 χ^2/NDF: 14080.2/50

In: 25.554+/-0.063 χ^2/NDF:10122.9/45

Out: 25.319+/-0.062 χ^2/NDF:12618.2/52

All: 25.434+/-0.044 χ^2/NDF: 22748.3/98

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: -0.063+/-0.010 χ^2/NDF: 2452.9/27

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

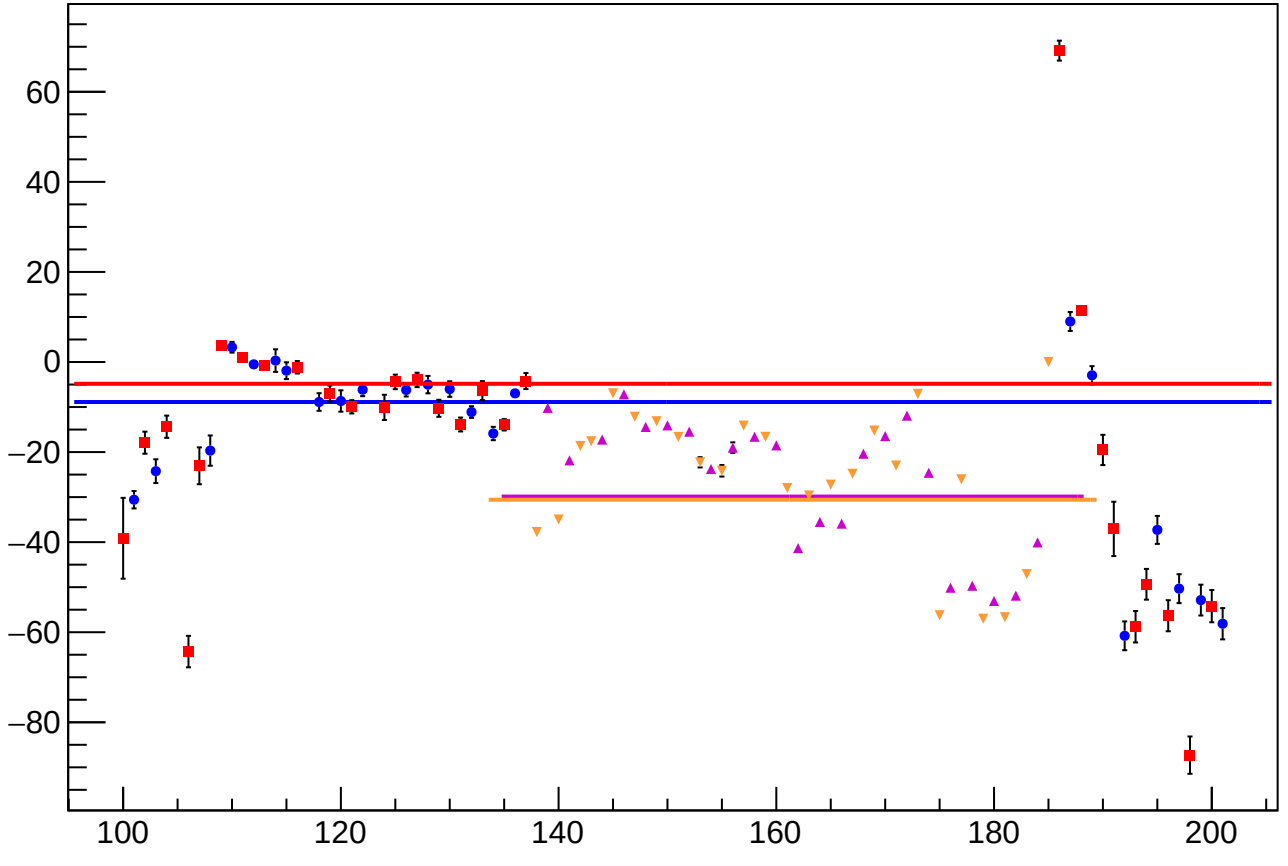
Right: -0.038+/-0.007 χ^2/NDF: 3875.7/50

In: 0.167+/-0.003 χ^2/NDF:4347.3/45

Out: 0.157+/-0.003 χ^2/NDF:4917.9/52

All: 0.162+/-0.002 χ^2/NDF: 9272.4/98

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: -4.838+/-0.336 χ^2/NDF: 3202.6/27

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

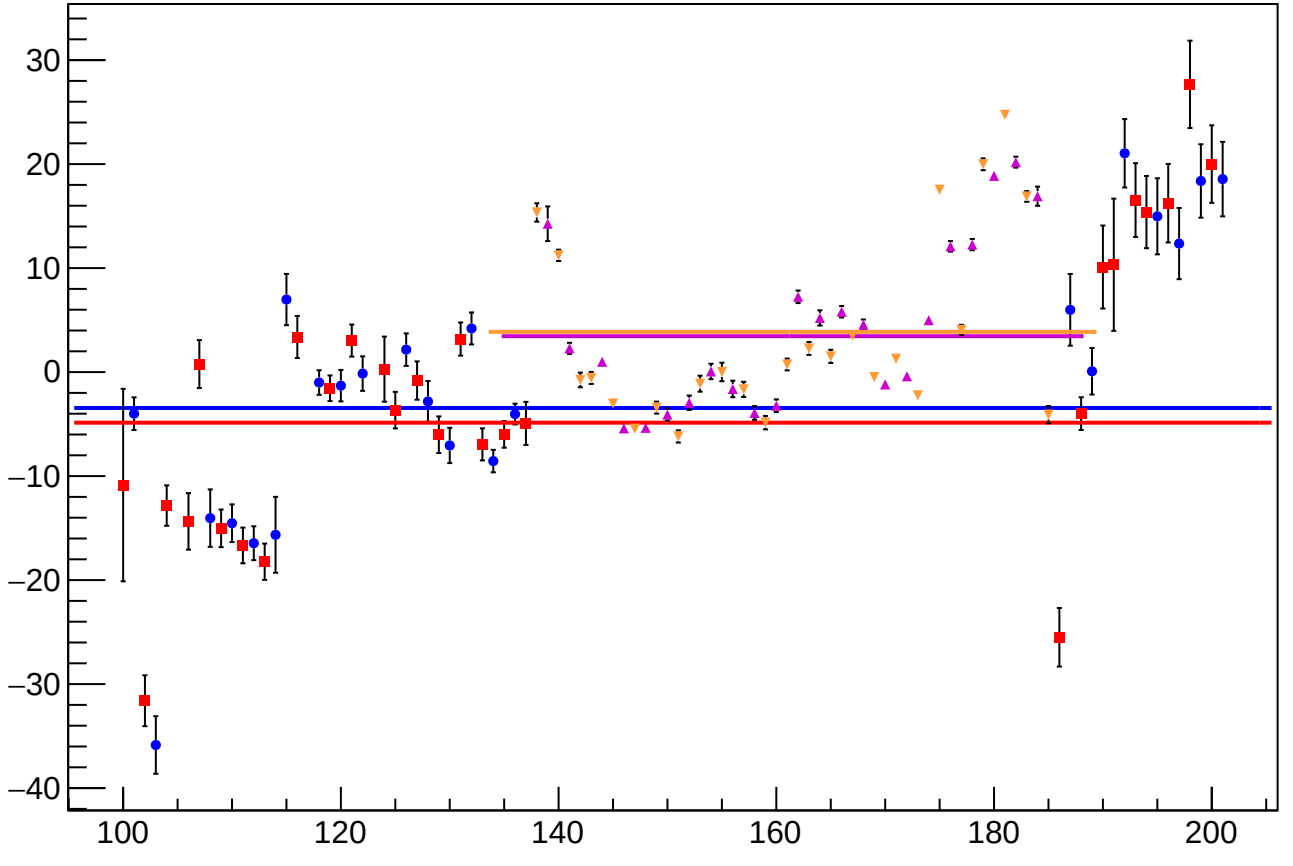
Right: -6.761+/-0.243 χ^2/NDF: 4652.1/50

In: -26.804+/-0.135 χ^2/NDF:16434.1/45

Out: -26.678+/-0.131 χ^2/NDF:24231.4/52

All: -26.739+/-0.094 χ^2/NDF: 40666.0/98

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: -4.861+/-0.385 χ^2/NDF: 658.9/27

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

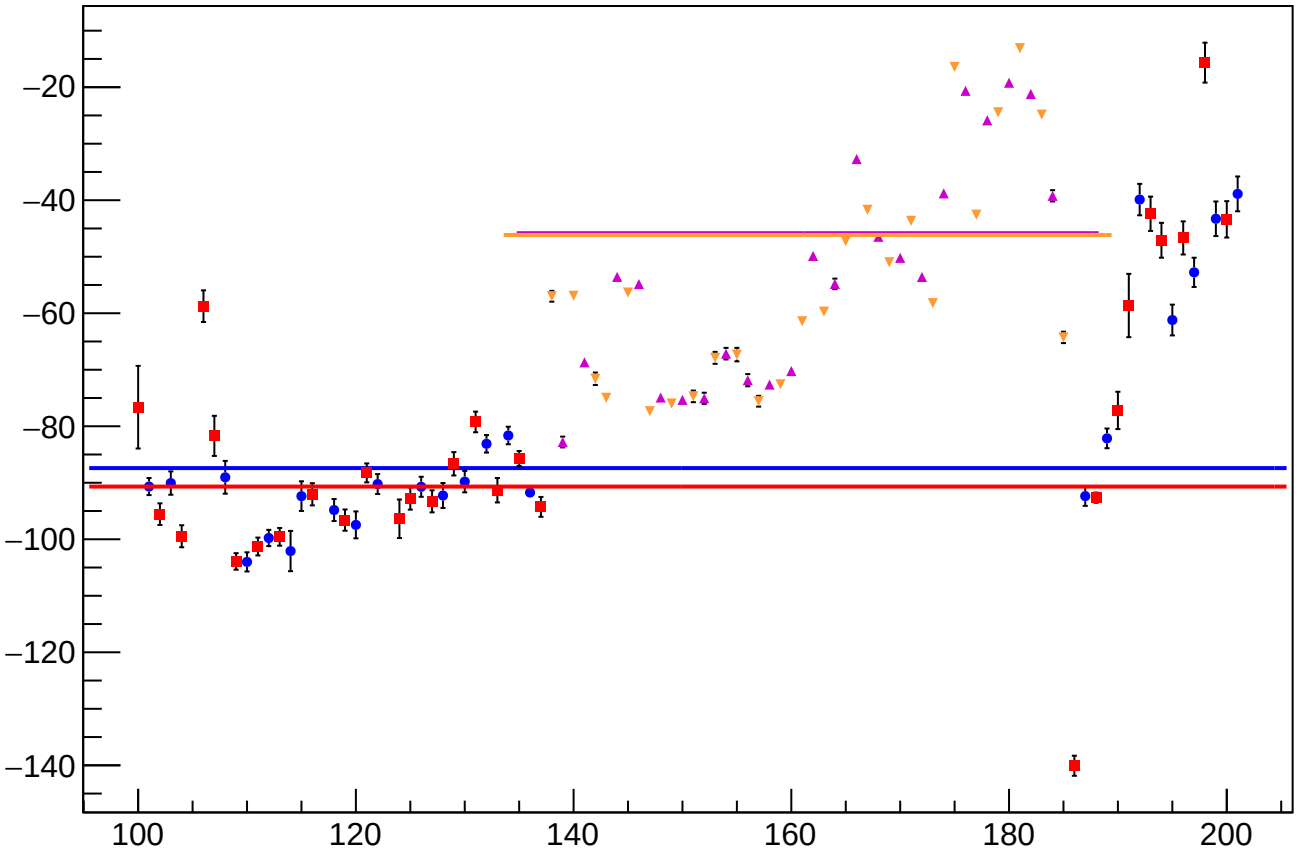
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -4.137+/-0.269 χ^2/NDF: 1211.2/50

In: 2.873+/-0.109 χ^2/NDF:5548.6/45

Out: 3.201+/-0.107 χ^2/NDF:7675.7/52

All: 3.040+/-0.076 χ^2/NDF: 13229.0/98



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: -90.674+/-0.368 χ^2/NDF: 2576.8/27

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

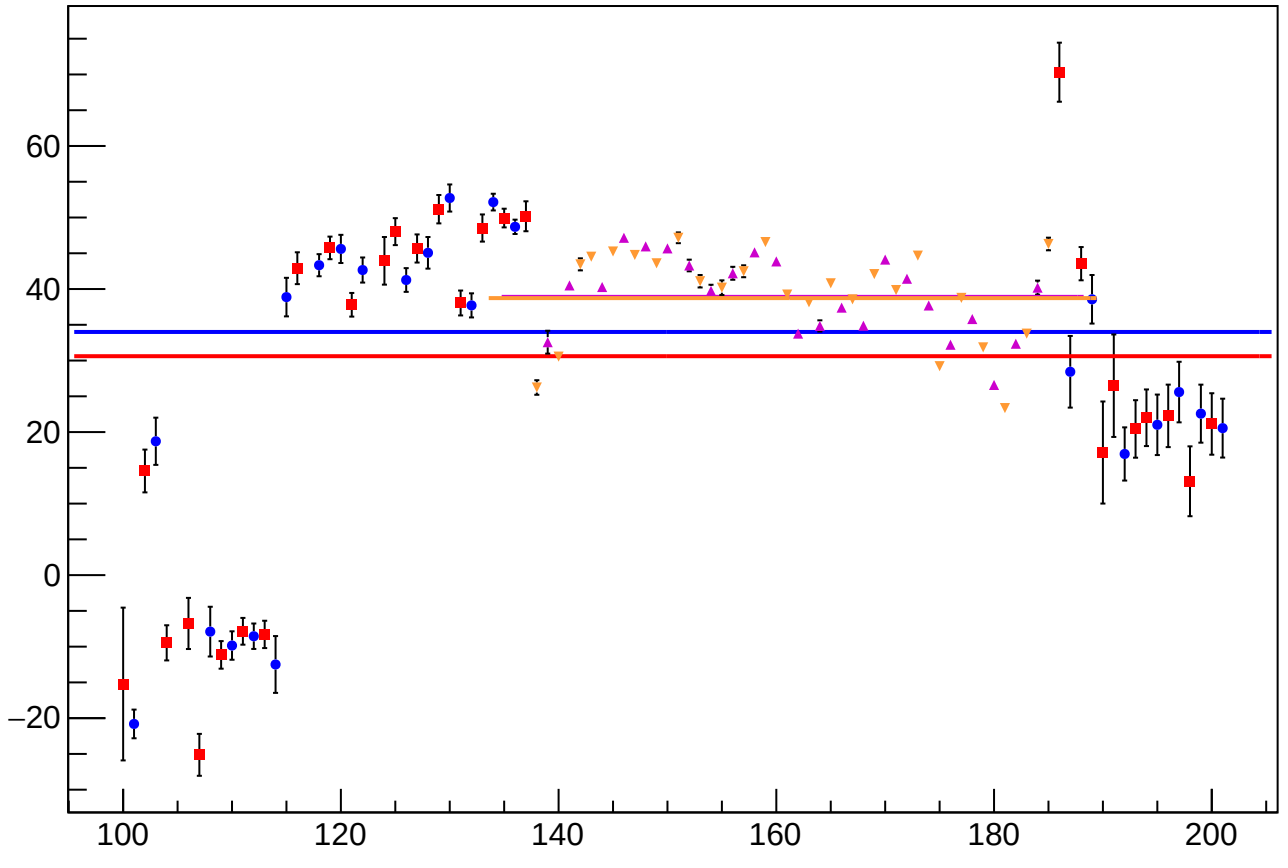
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -89.099+/-0.265 χ^2/NDF: 3939.6/50

In: -51.131+/-0.136 χ^2/NDF:29580.0/45

Out: -51.942+/-0.133 χ^2/NDF:36741.1/52

All: -51.547+/-0.095 χ^2/NDF: 66339.2/98



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: 30.609+/-0.441 χ^2/NDF: 3071.5/27

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

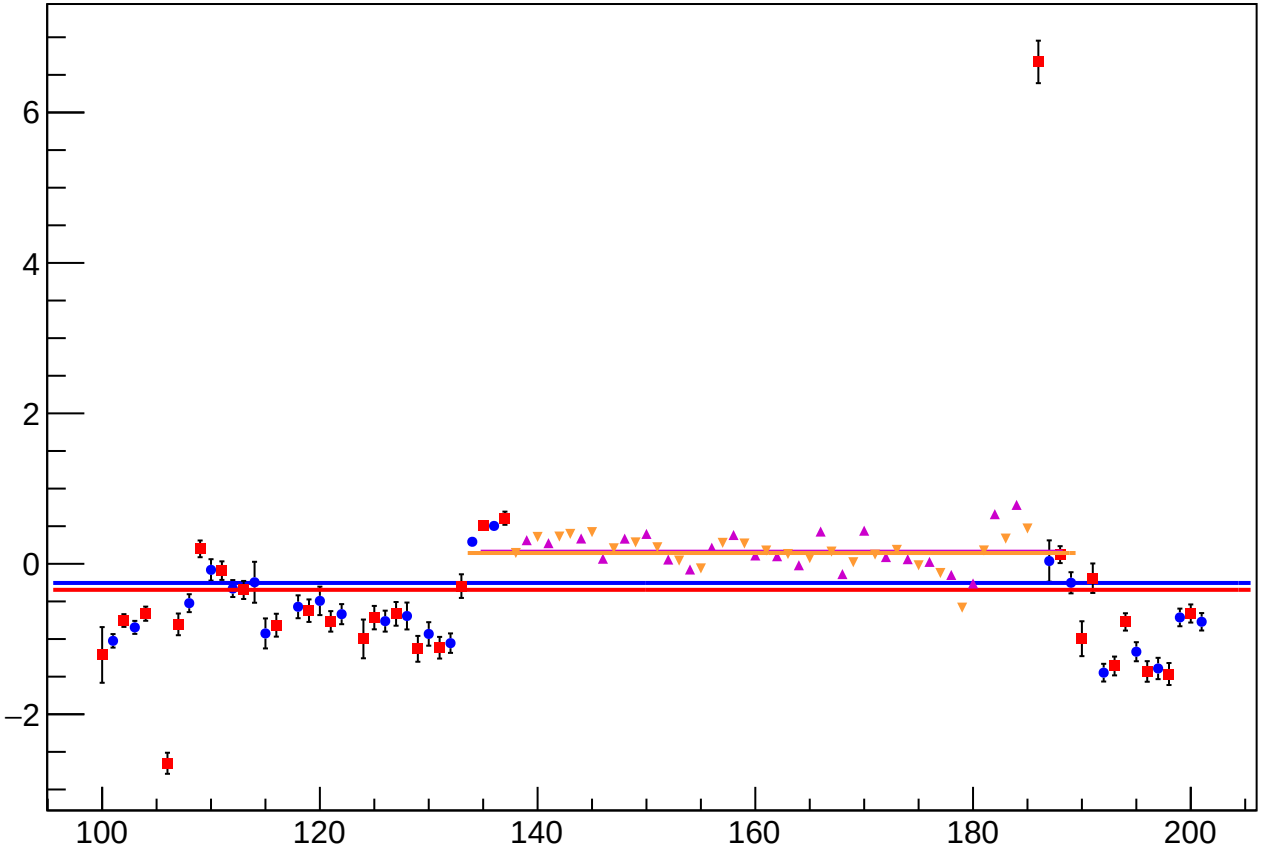
Right: 32.369+/-0.306 χ^2/NDF: 5970.1/50

In: 38.499+/-0.122 χ^2/NDF:4962.1/45

Out: 38.131+/-0.120 χ^2/NDF:6167.2/52

All: 38.311+/-0.086 χ^2/NDF: 11133.9/98

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: -0.346+/-0.023 χ^2/NDF: 1681.6/27

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

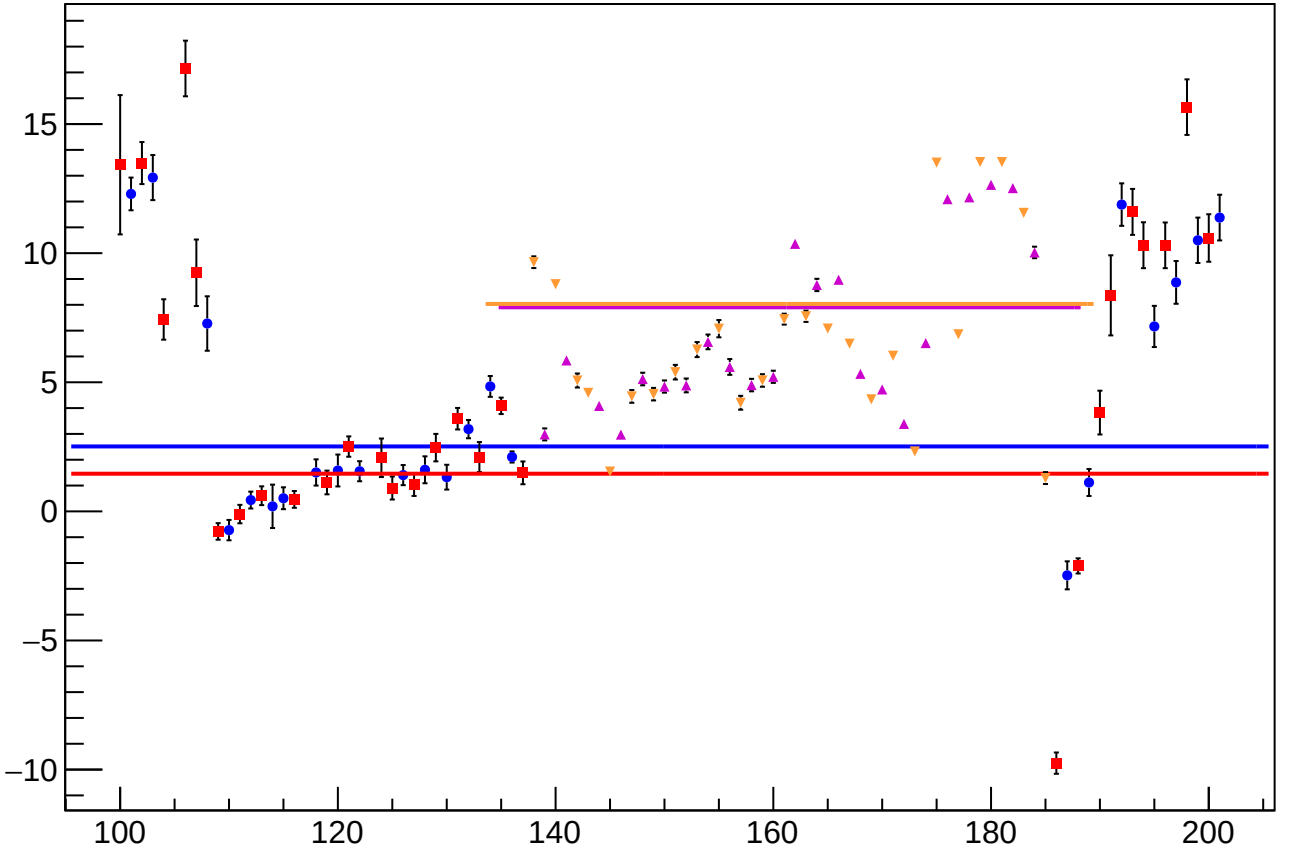
Right: -0.297+/-0.016 χ^2/NDF: 2618.0/50

In: 0.134+/-0.006 χ^2/NDF:3190.9/45

Out: 0.116+/-0.005 χ^2/NDF:3551.5/52

All: 0.125+/-0.004 χ^2/NDF: 6747.8/98

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.459+/-0.093 χ^2/NDF: 2253.1/27

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

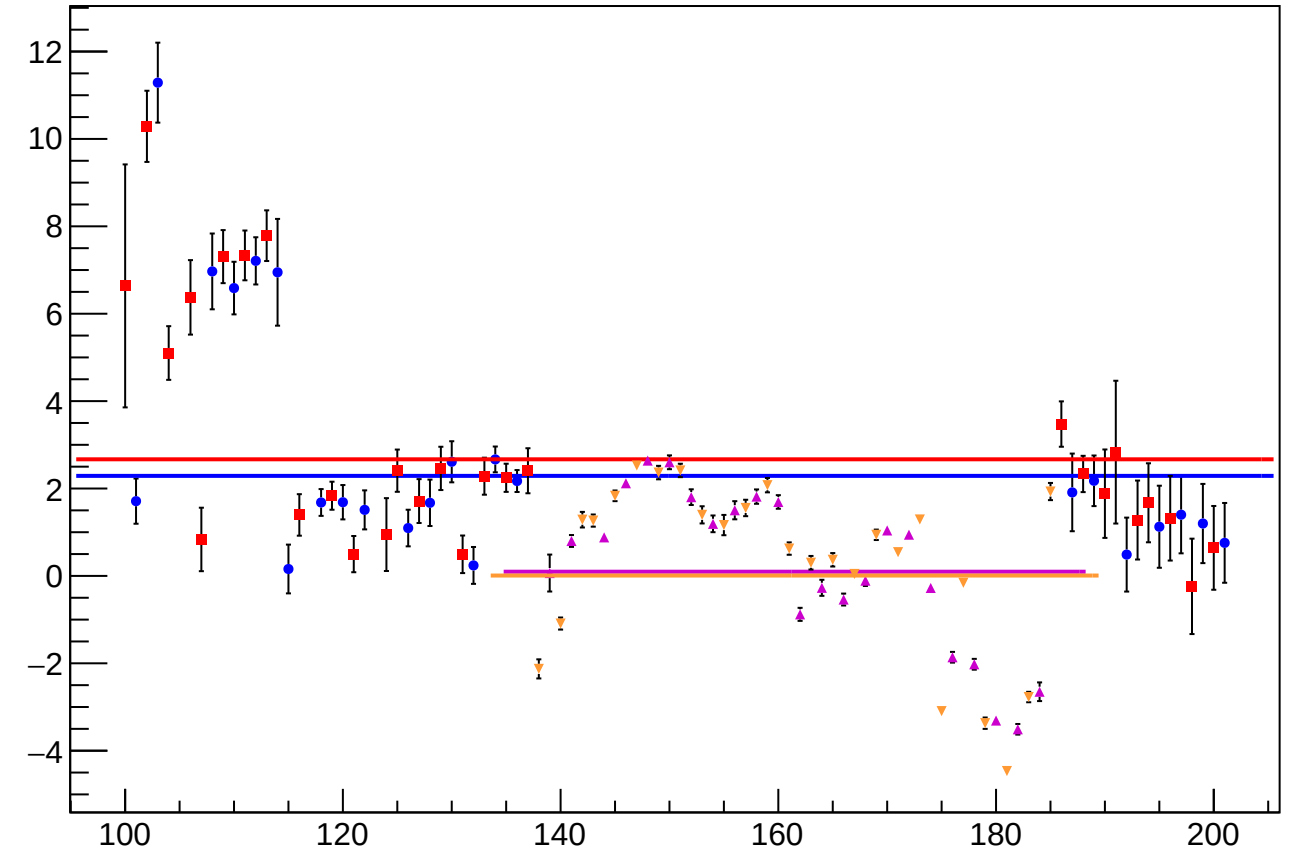
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.962+/-0.067 χ^2/NDF: 3420.4/50

In: 7.265+/-0.034 χ^2/NDF:13807.3/45

Out: 7.233+/-0.033 χ^2/NDF:20544.7/52

All: 7.248+/-0.023 χ^2/NDF: 34352.5/98



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: 2.668+/-0.105 χ^2/NDF: 432.7/27

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

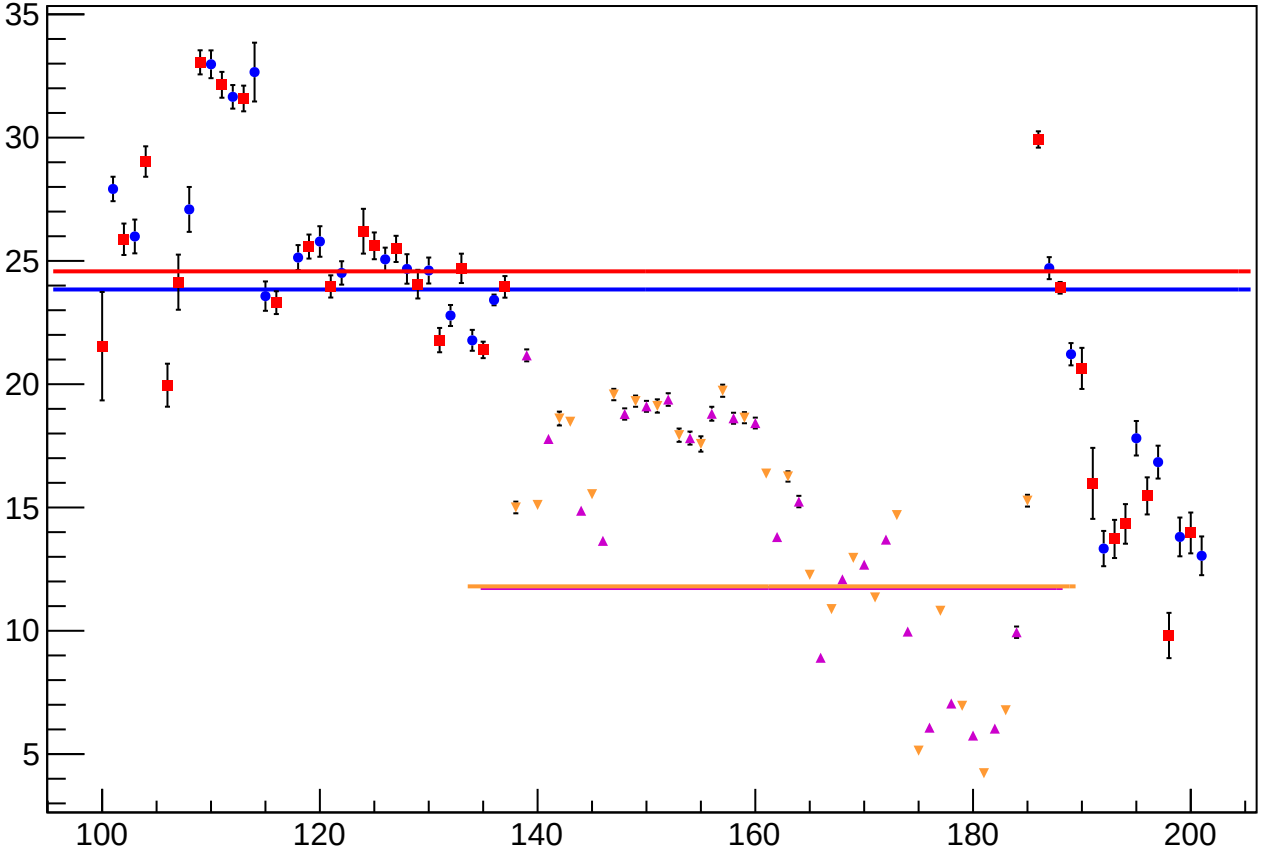
Right: 2.474+/-0.073 χ^2/NDF: 785.8/50

In: 0.250+/-0.027 χ^2/NDF:5207.5/45

Out: 0.179+/-0.027 χ^2/NDF:6794.8/52

All: 0.214+/-0.019 χ^2/NDF: 12005.8/98

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: 24.576+/-0.099 χ^2/NDF: 2181.4/27

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

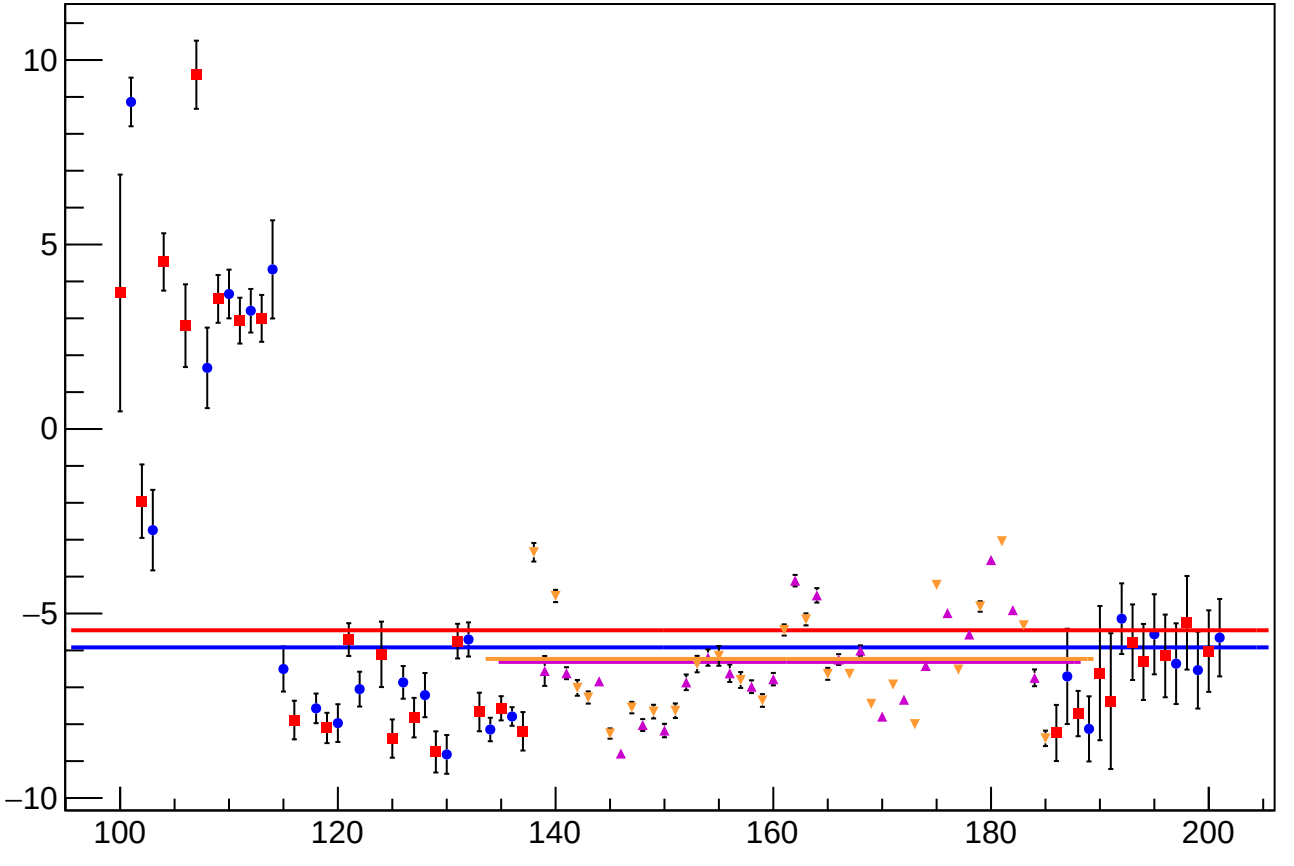
Right: 24.227+/-0.072 χ^2/NDF: 3734.2/50

In: 13.010+/-0.034 χ^2/NDF:31562.8/45

Out: 13.204+/-0.033 χ^2/NDF:38413.4/52

All: 13.110+/-0.024 χ^2/NDF: 69993.1/98

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: -5.454+/-0.121 χ^2/NDF: 1325.0/27

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

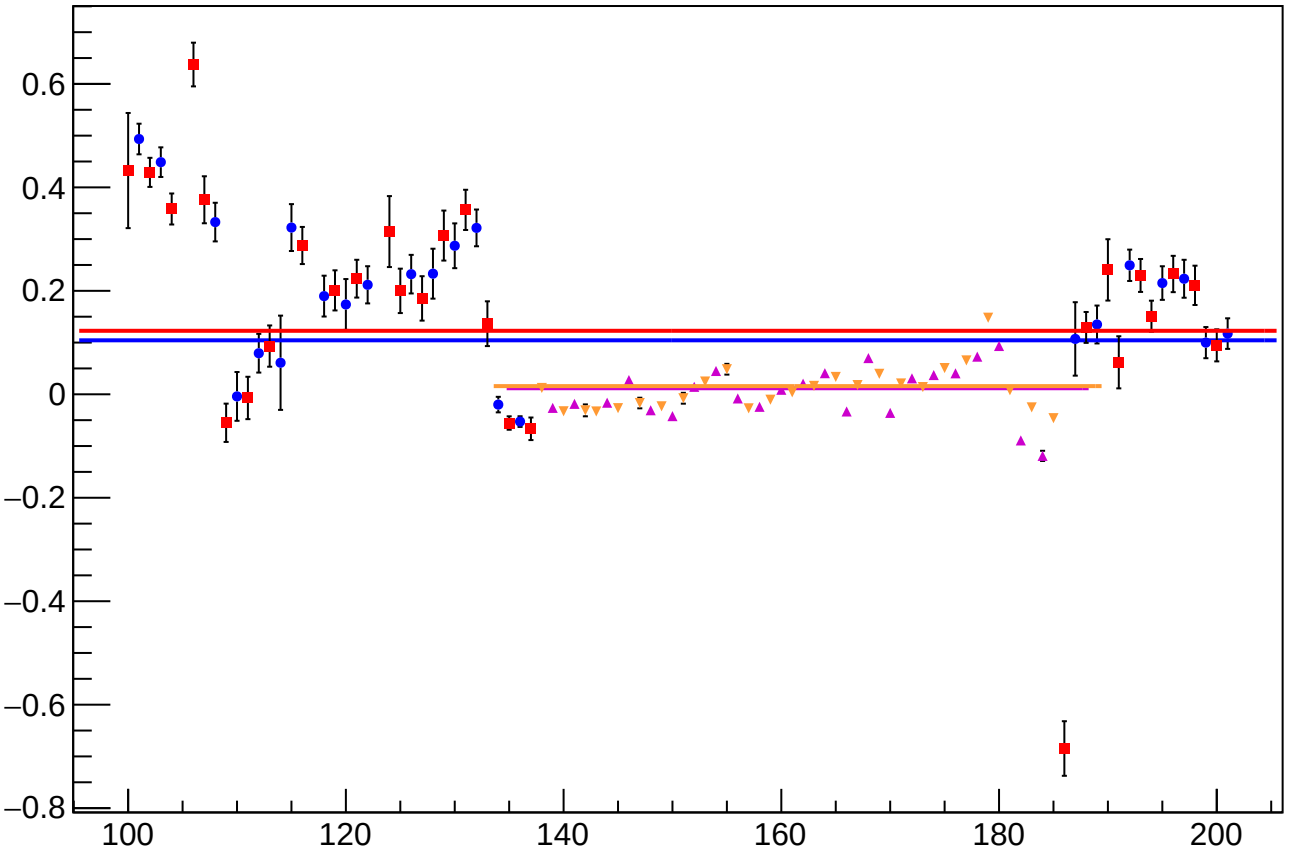
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.696+/-0.083 χ^2/NDF: 2592.2/50

In: -6.284+/-0.030 χ^2/NDF:3300.5/45

Out: -6.183+/-0.030 χ^2/NDF:3813.9/52

All: -6.233+/-0.021 χ^2/NDF: 7120.1/98



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: 0.123+/-0.006 χ^2/NDF: 1030.1/27

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

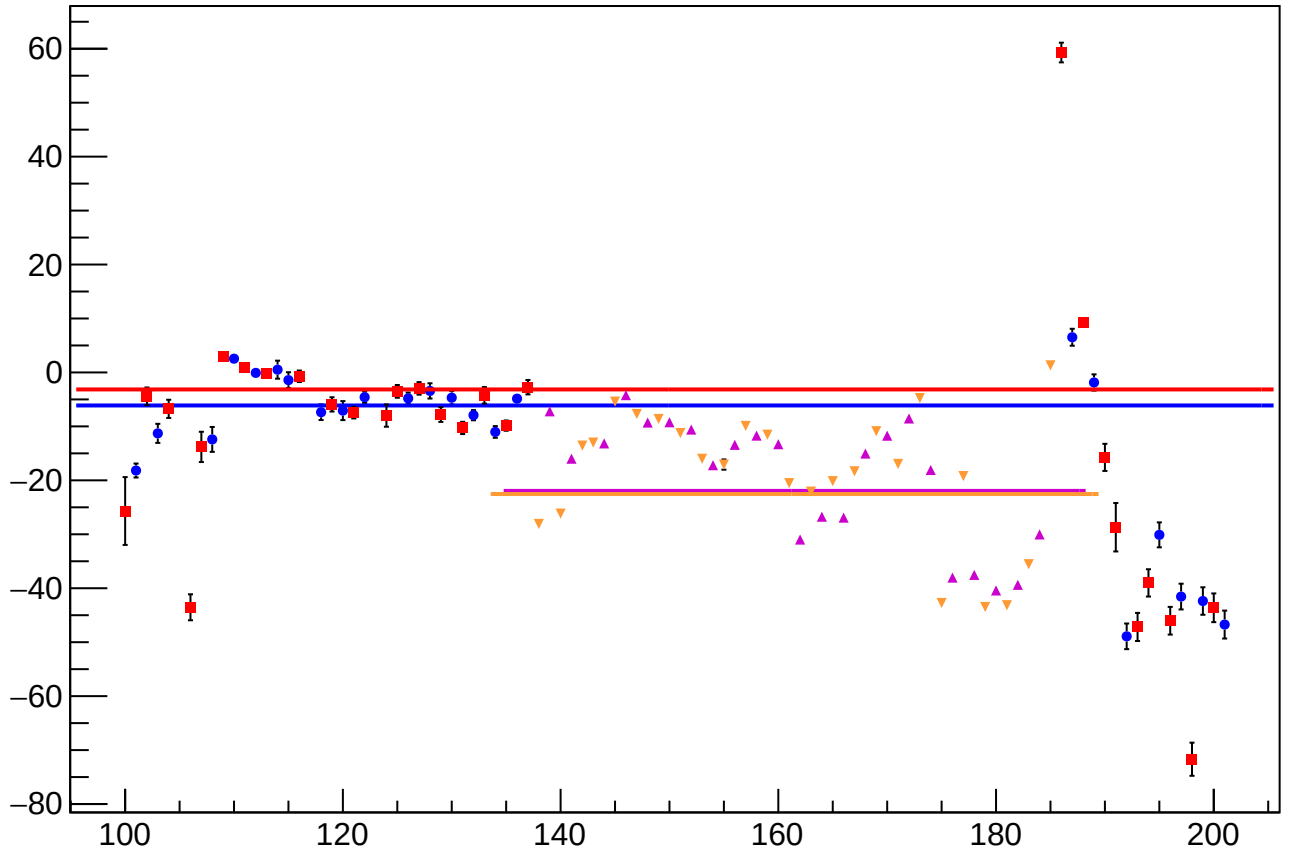
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.113+/-0.004 χ^2/NDF: 1855.1/50

In: 0.017+/-0.001 χ^2/NDF:2353.2/45

Out: 0.021+/-0.001 χ^2/NDF:2240.9/52

All: 0.019+/-0.001 χ^2/NDF: 4598.5/98



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: -3.152+/-0.240 χ^2/NDF: 3533.0/27

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

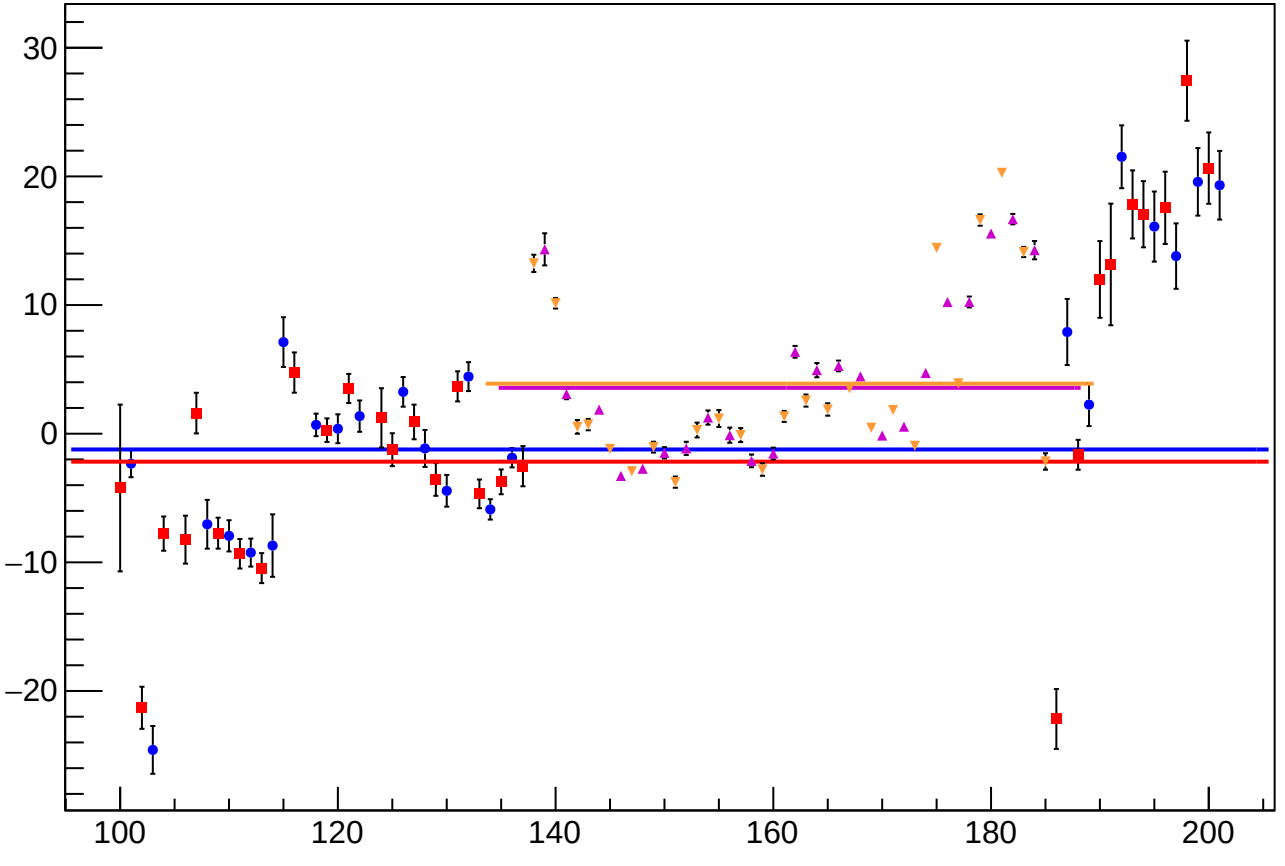
Right: -4.555+/-0.174 χ^2/NDF: 5149.5/50

In: -19.402+/-0.102 χ^2/NDF:17402.9/45

Out: -19.263+/-0.099 χ^2/NDF:25505.8/52

All: -19.330+/-0.071 χ^2/NDF: 42909.7/98

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: -2.174+/-0.278 χ^2/NDF: 803.1/27

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

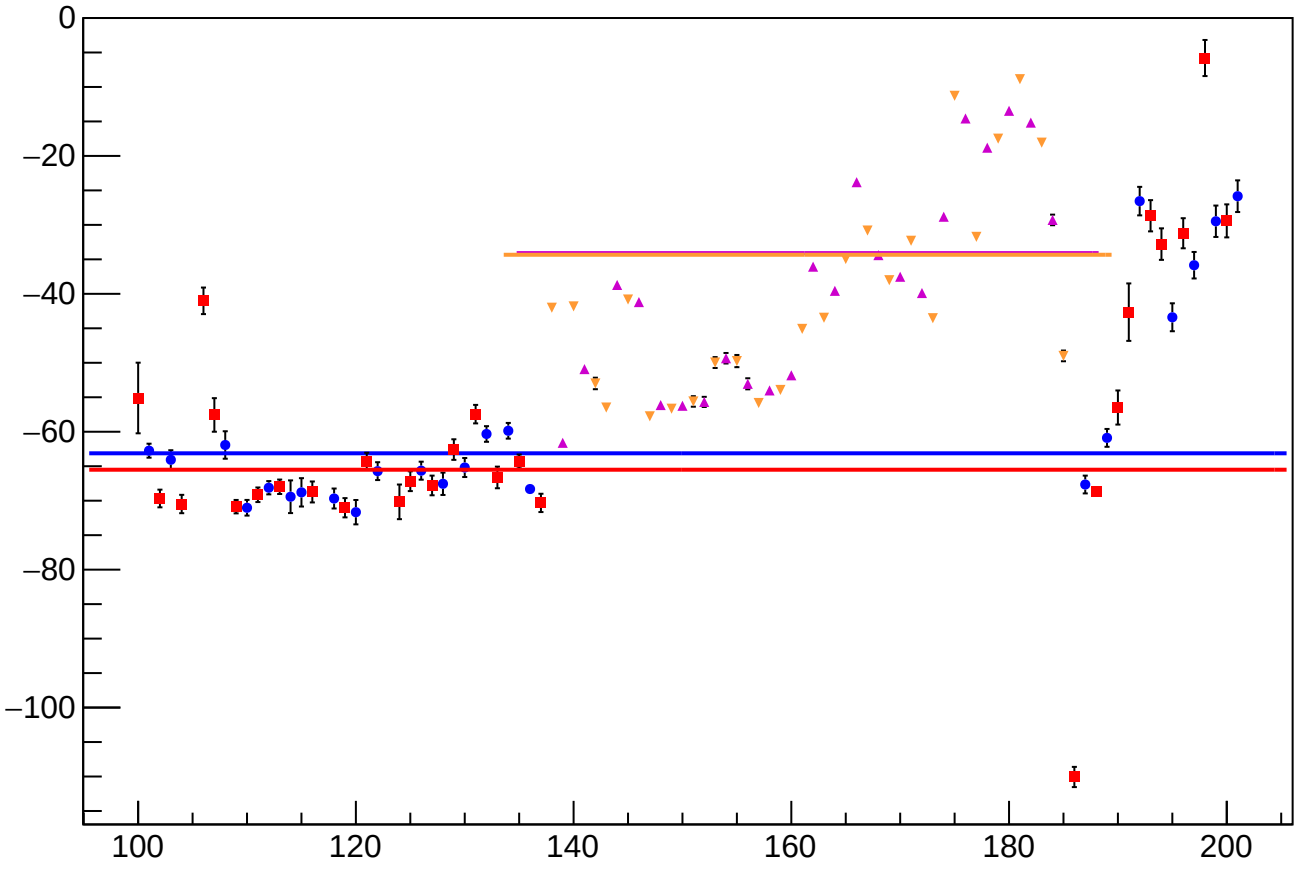
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.690+/-0.194 χ^2/NDF: 1485.6/50

In: 3.129+/-0.082 χ^2/NDF:5697.8/45

Out: 3.381+/-0.081 χ^2/NDF:7963.2/52

All: 3.257+/-0.058 χ^2/NDF: 13665.8/98



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: -65.508+/-0.266 χ^2/NDF: 2786.9/27

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

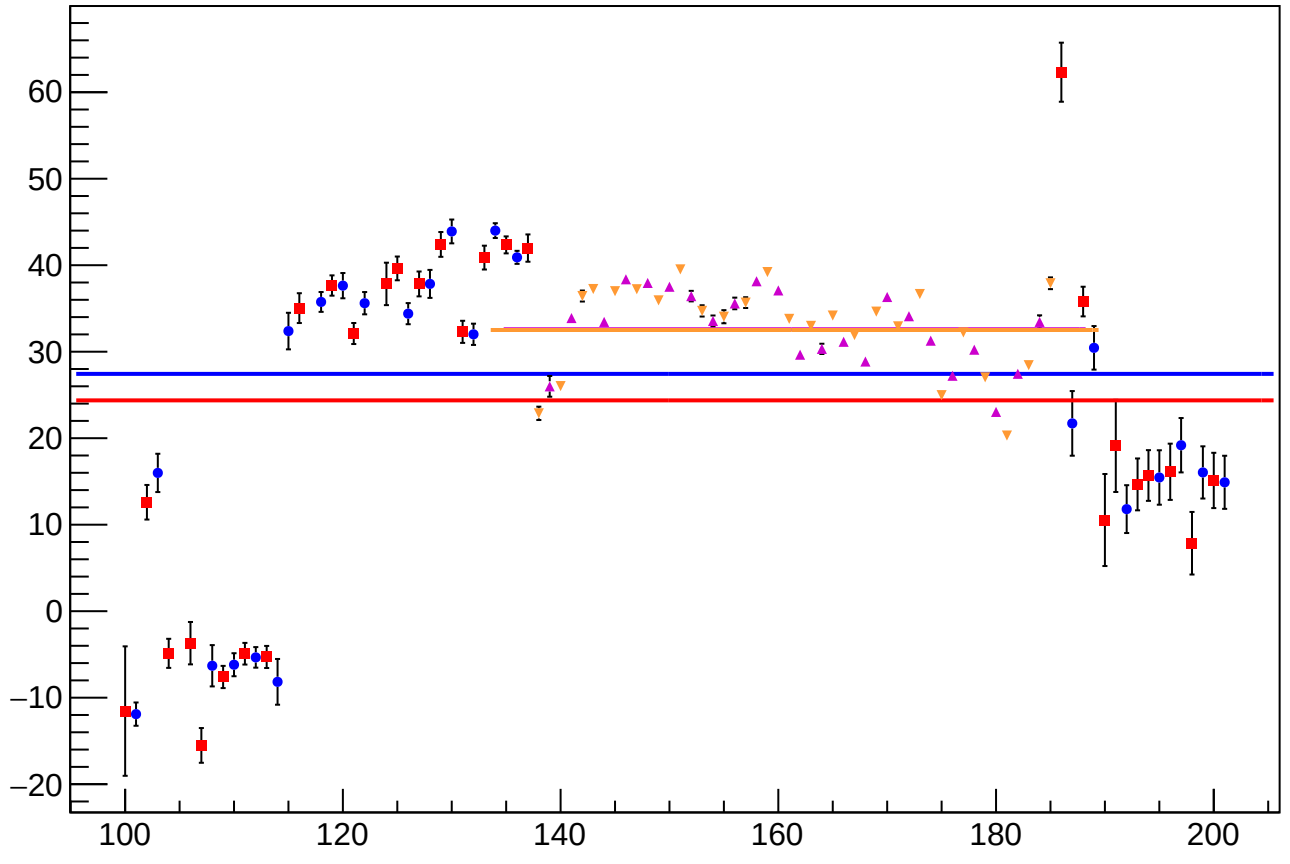
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -64.361+/-0.192 χ^2/NDF: 4161.5/50

In: -38.130+/-0.103 χ^2/NDF:28590.0/45

Out: -38.762+/-0.100 χ^2/NDF:35762.5/52

All: -38.454+/-0.072 χ^2/NDF: 64371.8/98



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: 24.373+/-0.318 χ^2/NDF: 4072.5/27

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

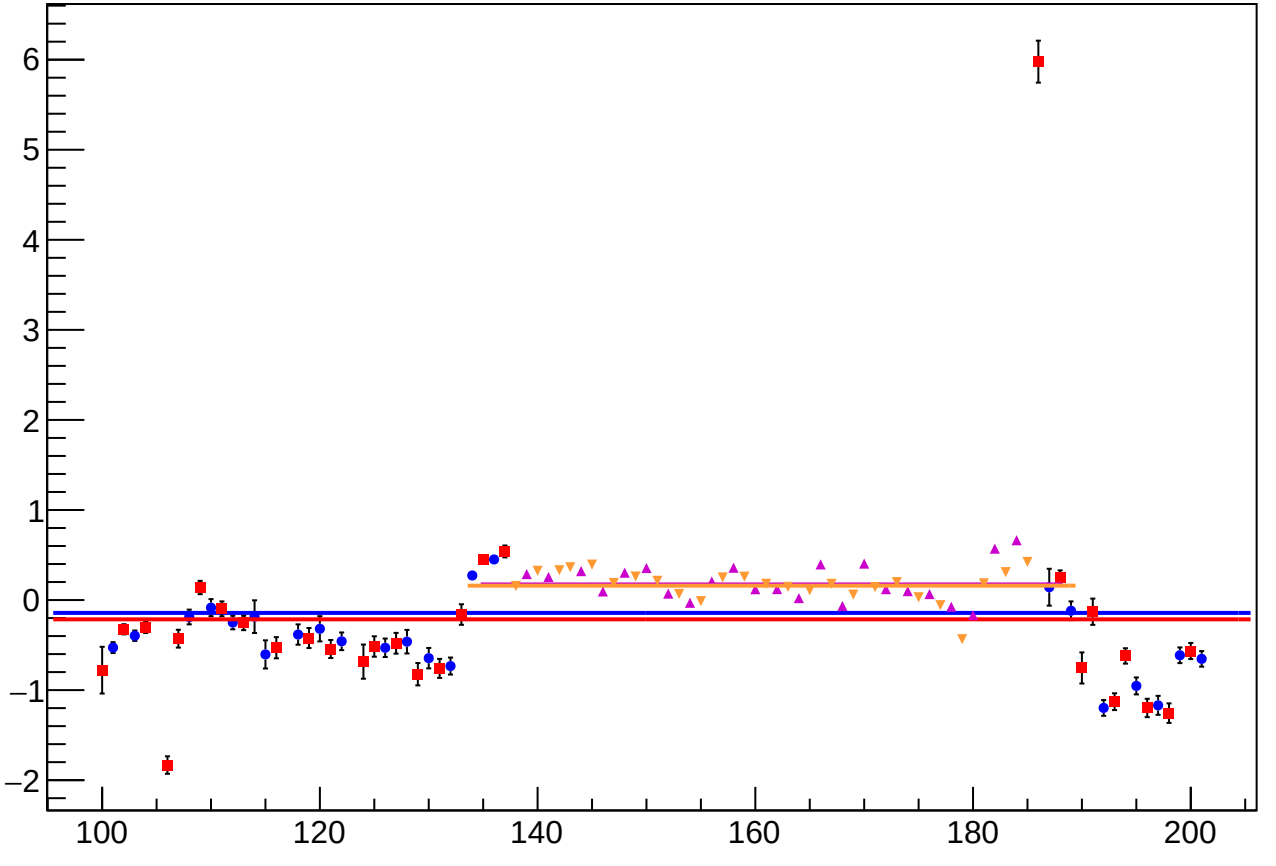
Right: 25.955+/-0.221 χ^2/NDF: 7940.5/50

In: 32.134+/-0.092 χ^2/NDF:6088.9/45

Out: 31.851+/-0.091 χ^2/NDF:7611.2/52

All: 31.990+/-0.065 χ^2/NDF: 13704.9/98

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: -0.214+/-0.017 χ^2/NDF: 1903.4/27

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

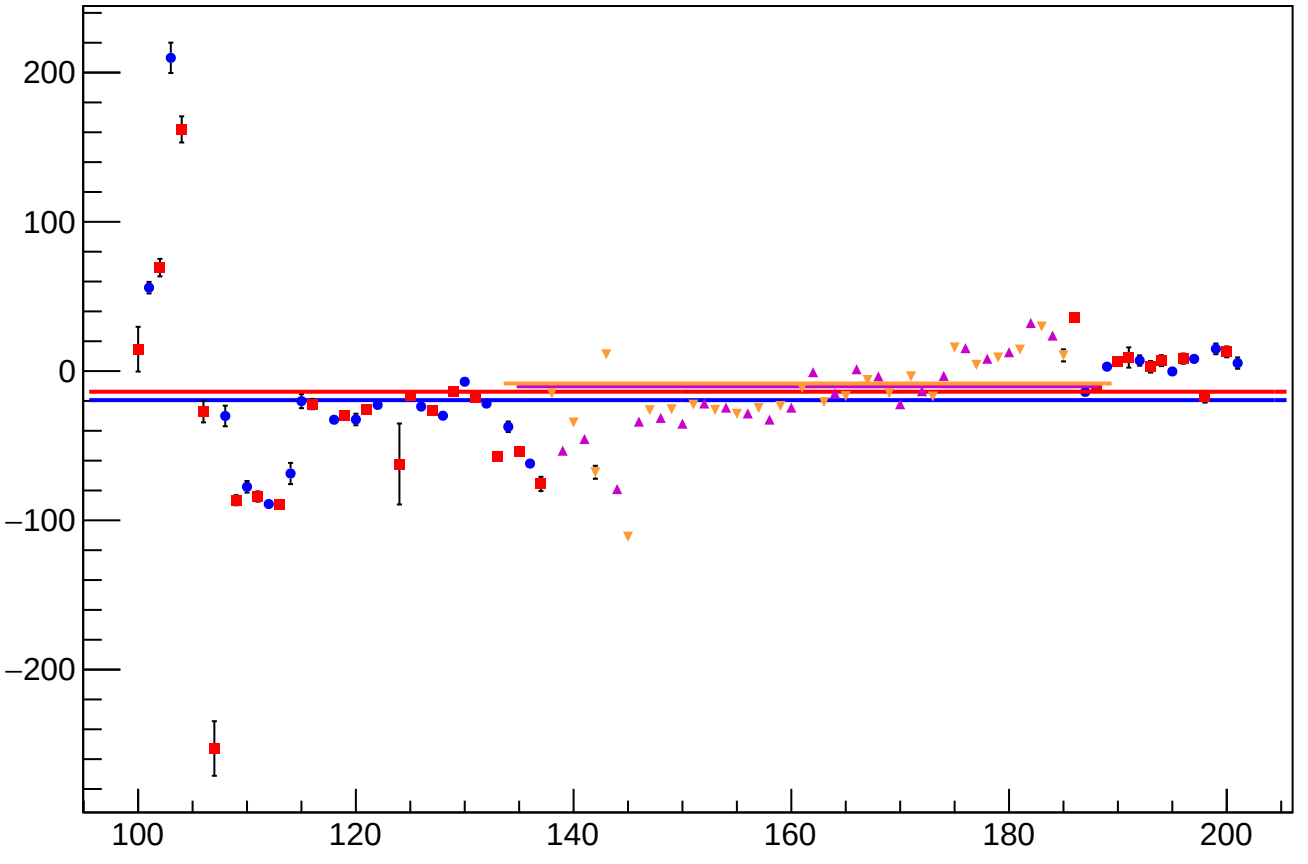
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.177+/-0.011 χ^2/NDF: 2939.5/50

In: 0.151+/-0.004 χ^2/NDF:3531.8/45

Out: 0.137+/-0.004 χ^2/NDF:3992.0/52

All: 0.144+/-0.003 χ^2/NDF: 7529.6/98



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: -13.820+/-0.579 χ^2/NDF: 4099.8/27

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

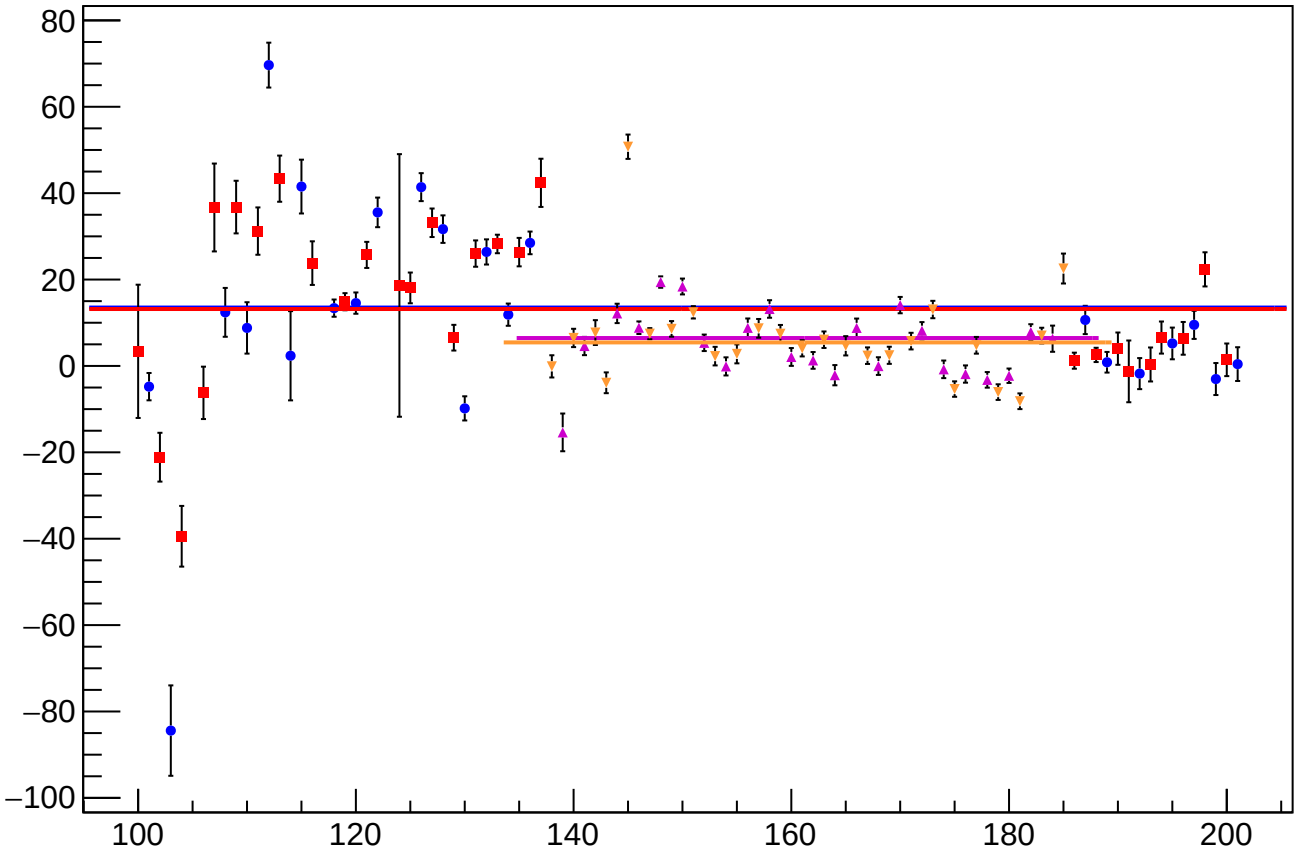
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -16.284+/-0.434 χ^2/NDF: 6674.7/50

In: -13.808+/-0.411 χ^2/NDF:5173.3/45

Out: -10.731+/-0.384 χ^2/NDF:6710.4/52

All: -12.167+/-0.281 χ^2/NDF: 11913.6/98



Right In: 13.516+/-0.685 χ^2/NDF: 614.9/22

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.179+/-0.644 χ^2/NDF: 467.9/27

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

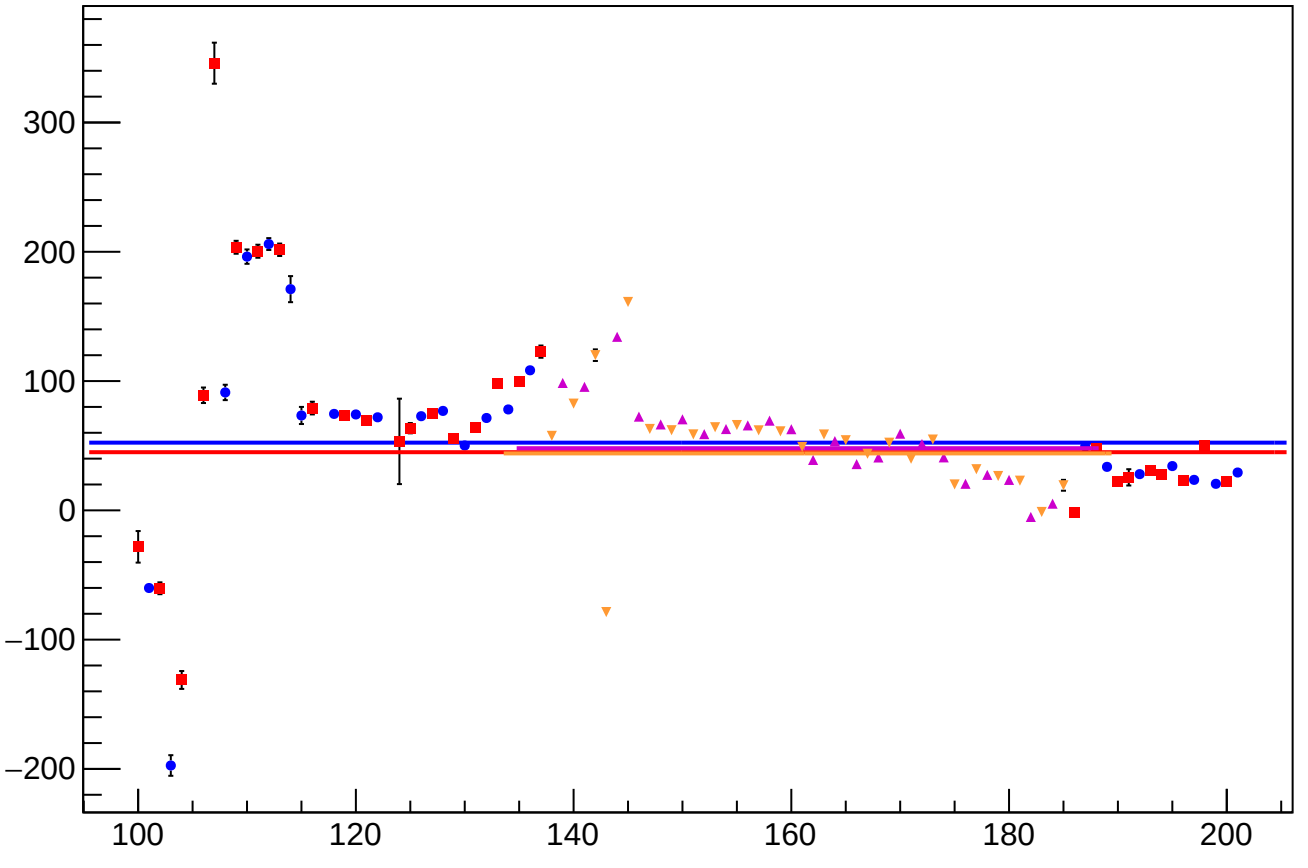
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 13.337+/-0.469 χ^2/NDF: 1083.0/50

In: 8.308+/-0.351 χ^2/NDF:1029.2/45

Out: 7.553+/-0.336 χ^2/NDF:1066.7/52

All: 7.914+/-0.243 χ^2/NDF: 2098.3/98



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: 44.984+/-0.539 χ^2/NDF: 7574.4/27

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

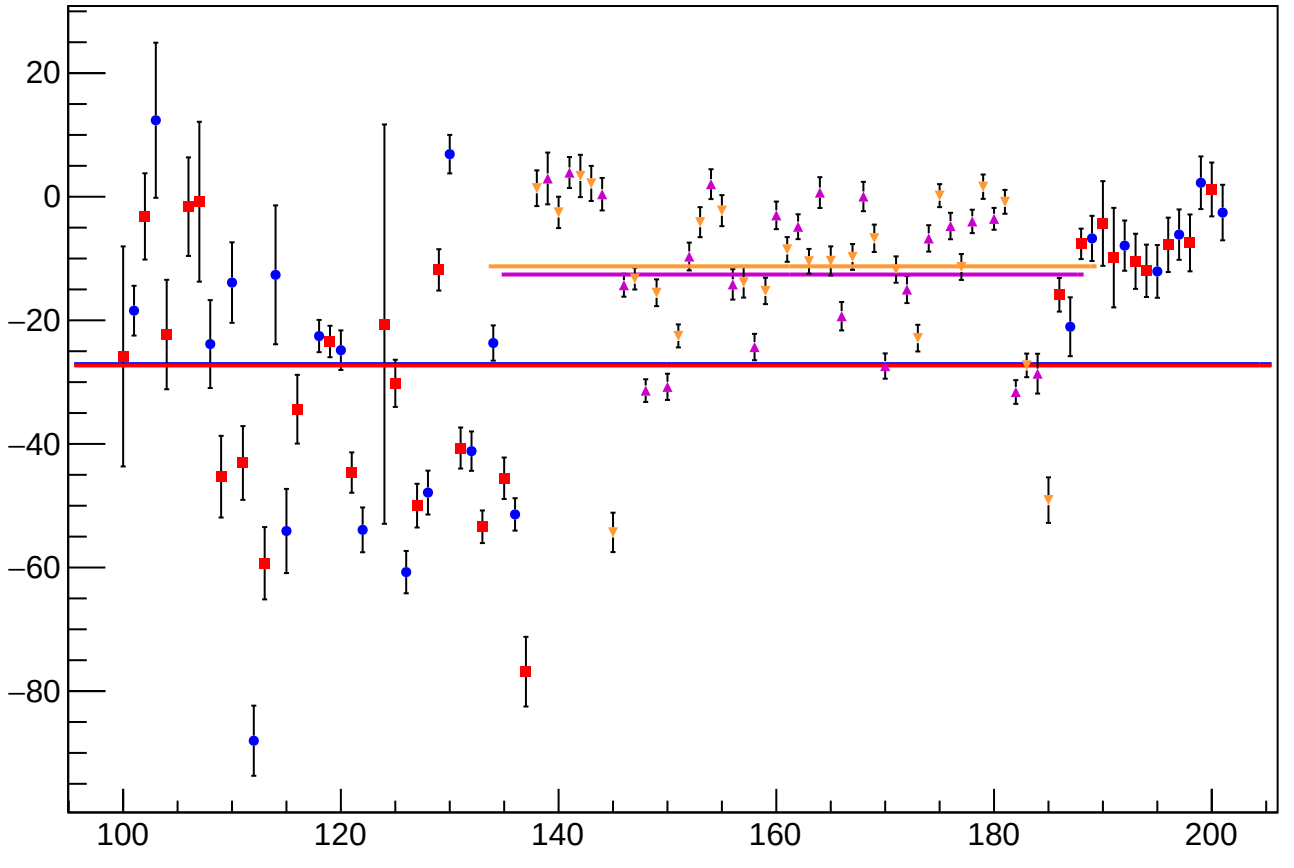
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 48.042+/-0.413 χ^2/NDF: 13396.1/50

In: 49.784+/-0.405 χ^2/NDF:9147.5/45

Out: 44.486+/-0.370 χ^2/NDF:12139.8/52

All: 46.902+/-0.273 χ^2/NDF: 21380.6/98



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: -27.306+/-0.789 χ^2/NDF: 592.9/27

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

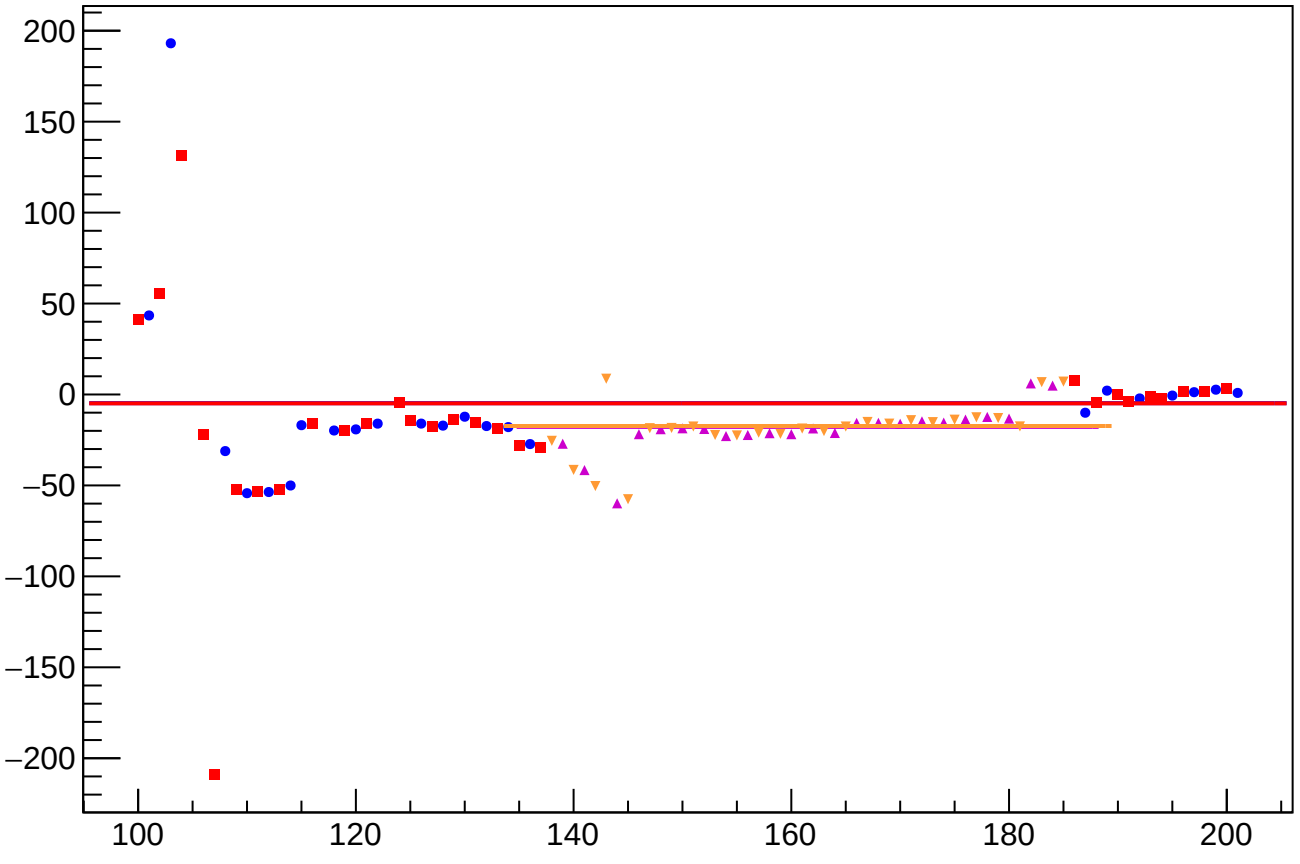
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -27.201+/-0.565 χ^2/NDF: 1330.1/50

In: -16.115+/-0.399 χ^2/NDF:1651.8/45

Out: -15.130+/-0.388 χ^2/NDF:1549.9/52

All: -15.608+/-0.278 χ^2/NDF: 3204.9/98



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: -4.884+/-0.038 χ^2/NDF: 481590.1/27

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

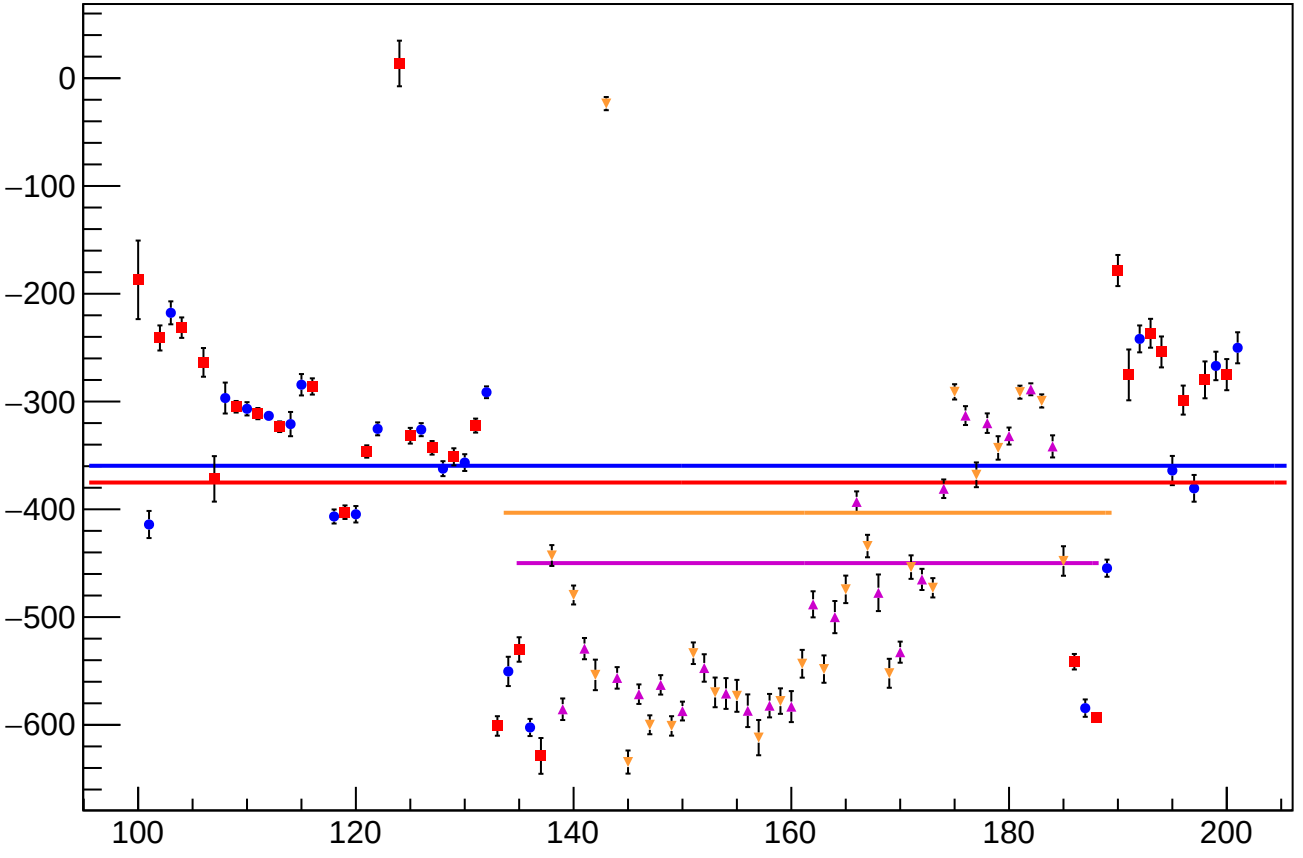
Right: -4.829+/-0.027 χ^2/NDF: 1024856.9/50

In: -15.032+/-0.018 χ^2/NDF:899387.6/45

Out: -14.690+/-0.018 χ^2/NDF:911810.3/52

All: -14.858+/-0.013 χ^2/NDF: 1811381.7/98

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -375.148+/-1.530 χ^2/NDF: 6191.4/27

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

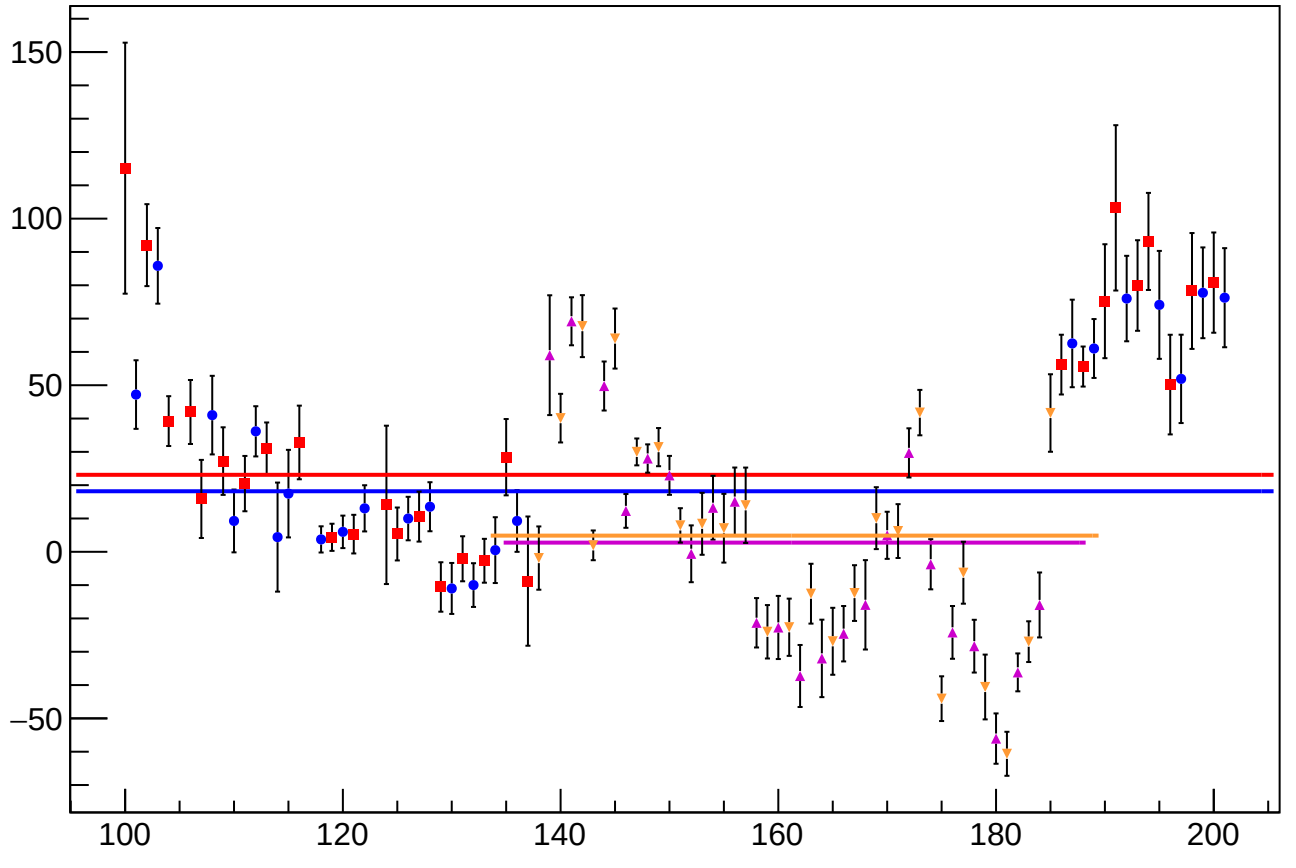
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -368.034+/-1.127 χ^2/NDF: 9253.1/50

In: -395.657+/-1.291 χ^2/NDF:7407.0/45

Out: -385.986+/-1.198 χ^2/NDF:14071.6/52

All: -390.462+/-0.878 χ^2/NDF: 21508.8/98



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: 23.108+/-1.671 χ^2/NDF: 270.9/27

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

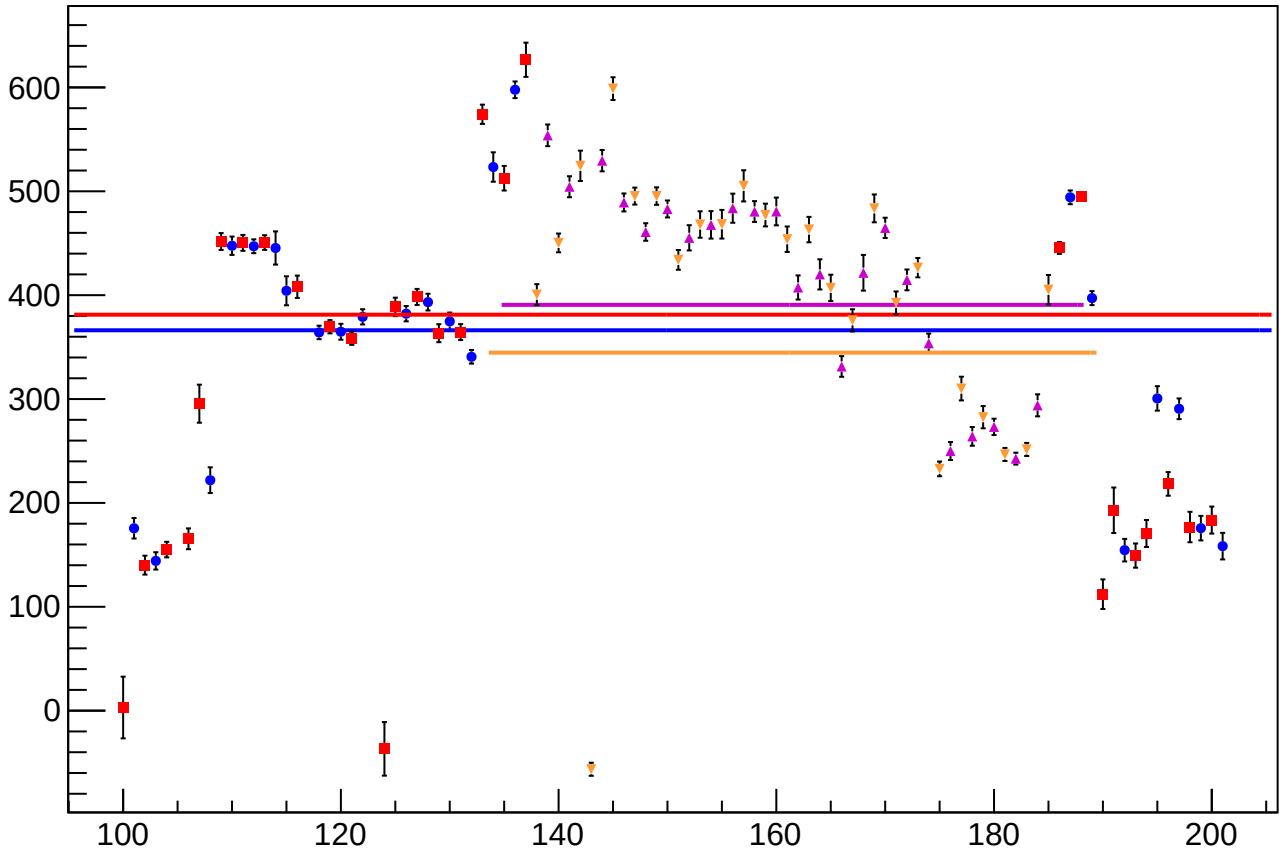
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 20.711+/-1.198 χ^2/NDF: 497.0/50

In: 9.693+/-1.153 χ^2/NDF:665.8/45

Out: 12.681+/-1.094 χ^2/NDF:796.2/52

All: 11.265+/-0.793 χ^2/NDF: 1465.6/98



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: 381.216+/-1.600 χ^2/NDF: 6525.3/27

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

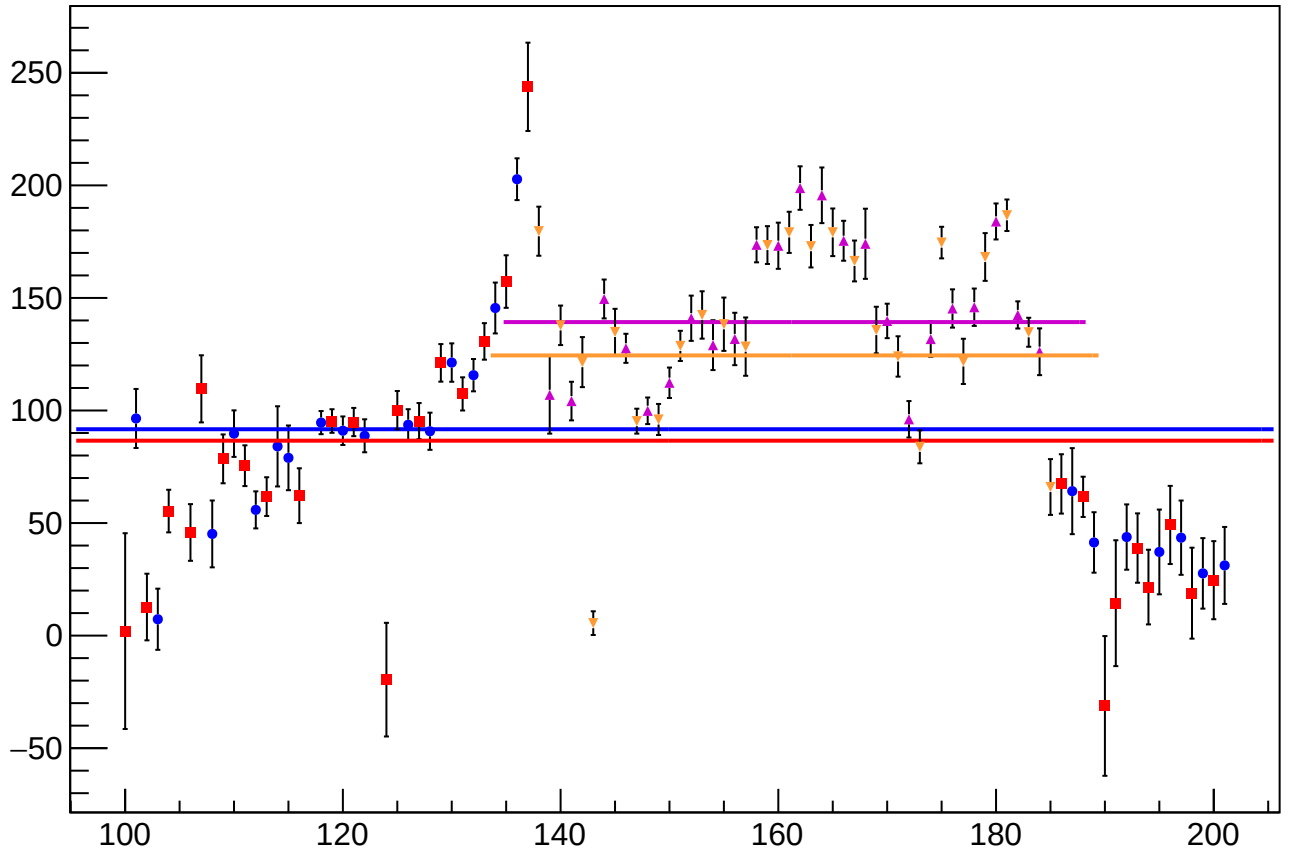
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 374.574+/-1.195 χ^2/NDF: 10419.5/50

In: 376.950+/-1.345 χ^2/NDF:6609.6/45

Out: 366.279+/-1.230 χ^2/NDF:14016.7/52

All: 371.140+/-0.908 χ^2/NDF: 20660.5/98



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: 86.590+/-1.976 χ^2/NDF: 333.0/27

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

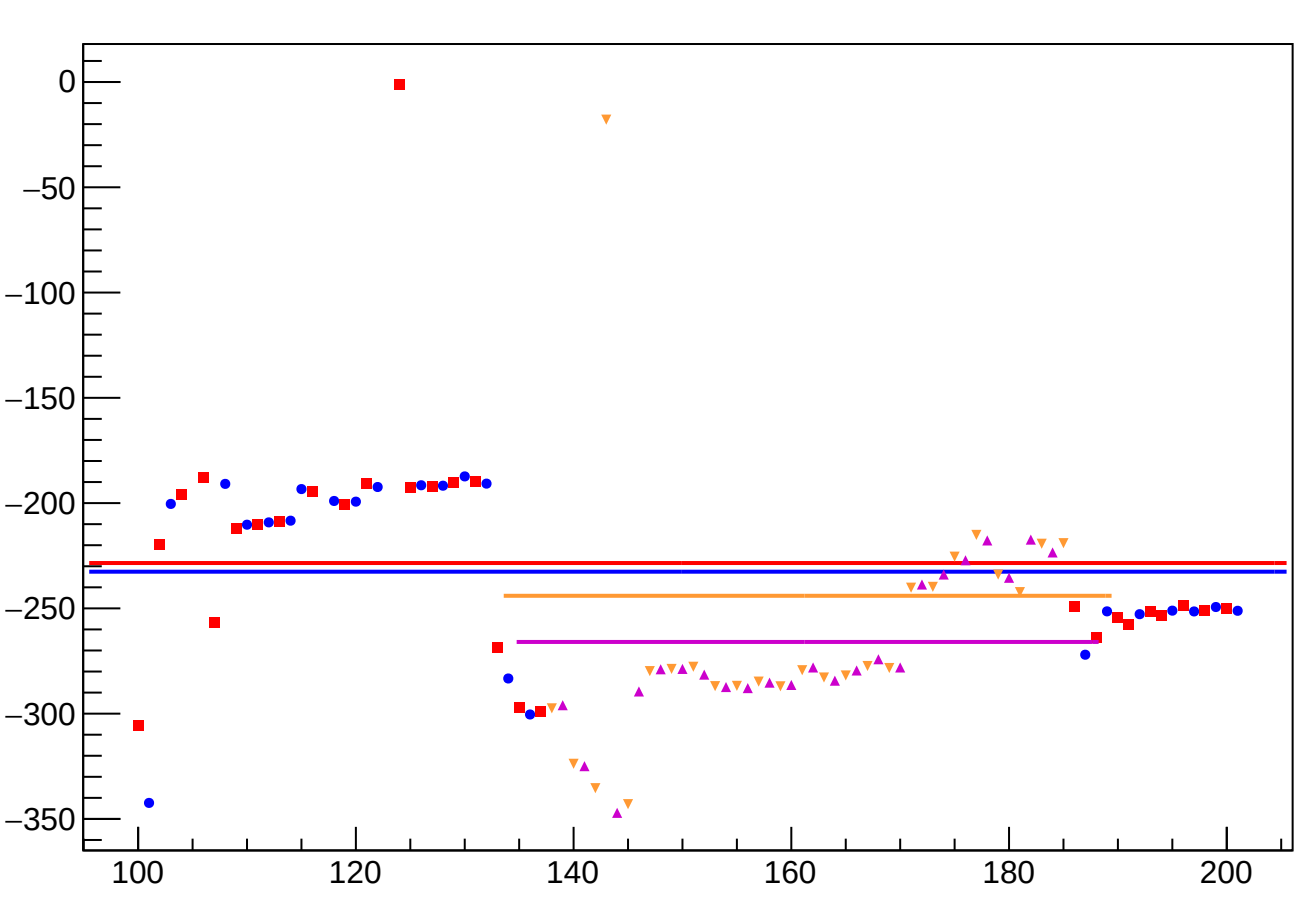
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 89.073+/-1.413 χ^2/NDF: 667.6/50

In: 118.634+/-1.332 χ^2/NDF:906.1/45

Out: 108.772+/-1.272 χ^2/NDF:1485.8/52

All: 113.476+/-0.920 χ^2/NDF: 2420.6/98



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: -228.459+/-0.110 χ^2/NDF: 108937.6/27

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

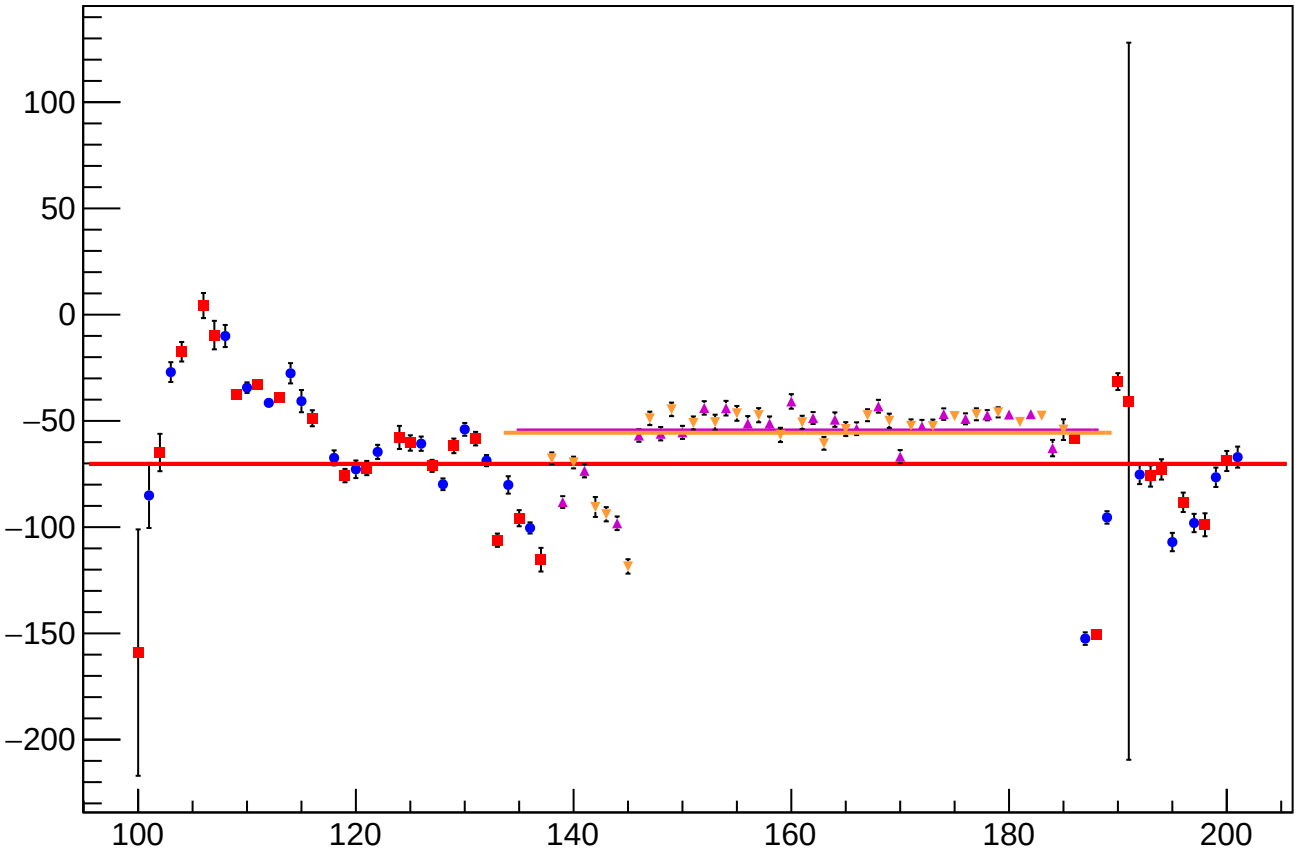
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -230.430+/-0.079 χ^2/NDF: 244717.6/50

In: -254.899+/-0.066 χ^2/NDF:361923.7/45

Out: -238.851+/-0.063 χ^2/NDF:1120350.0/52

All: -246.545+/-0.046 χ^2/NDF: 1513195.4/98



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: -70.289+/-0.629 χ^2/NDF: 3759.0/27

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

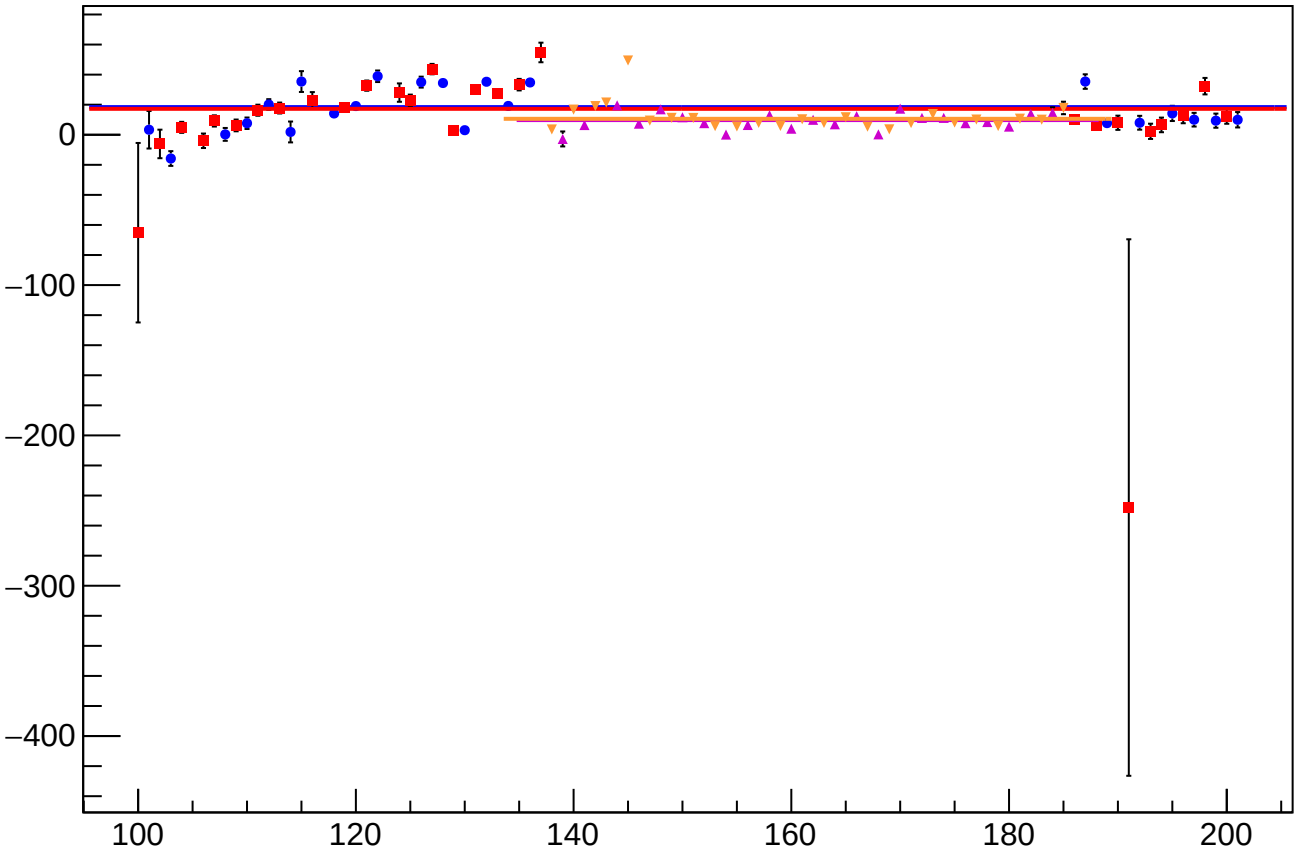
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.251+/-0.474 χ^2/NDF: 5633.7/50

In: -61.016+/-0.464 χ^2/NDF:2653.6/45

Out: -62.463+/-0.430 χ^2/NDF:4736.5/52

All: -61.793+/-0.315 χ^2/NDF: 7395.4/98



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: 17.259+/-0.703 χ^2/NDF: 302.2/27

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

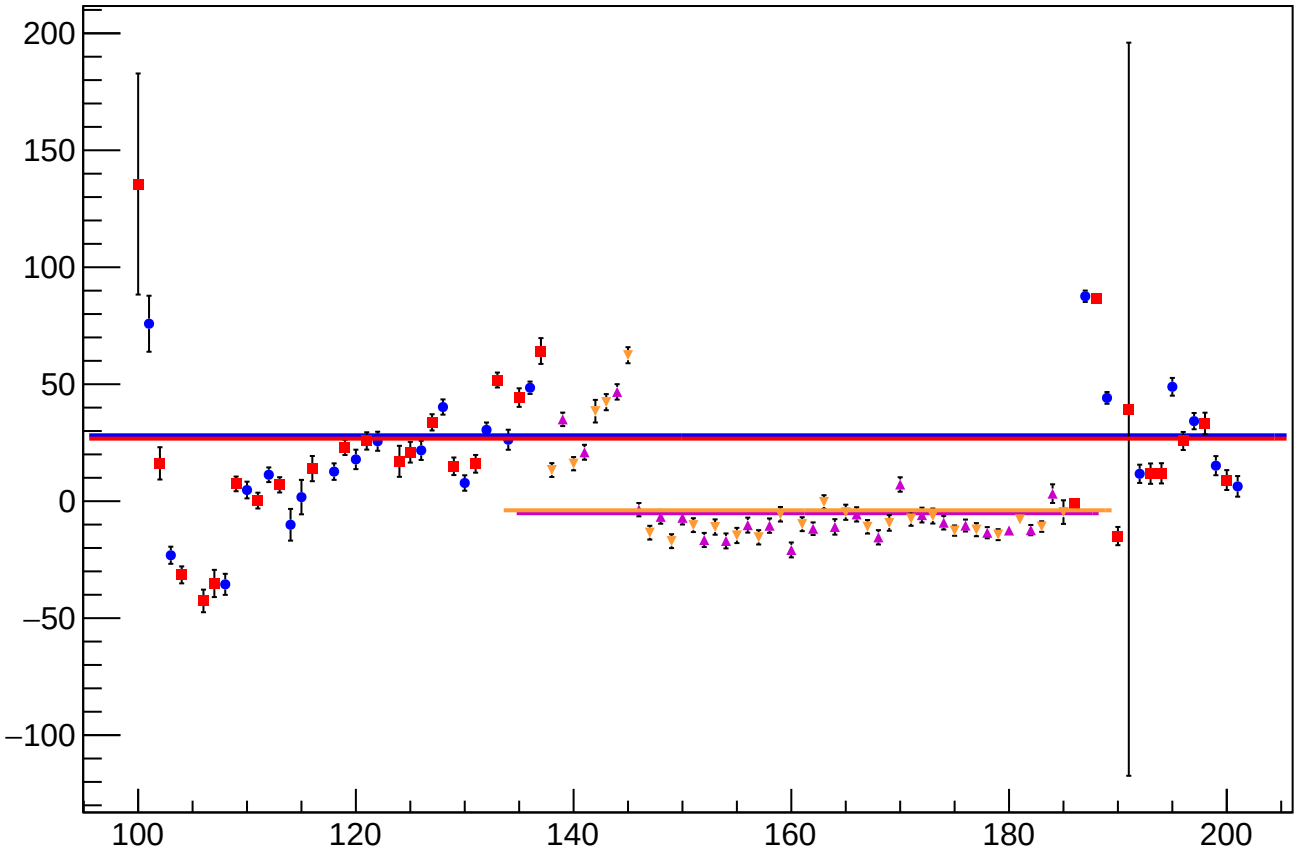
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

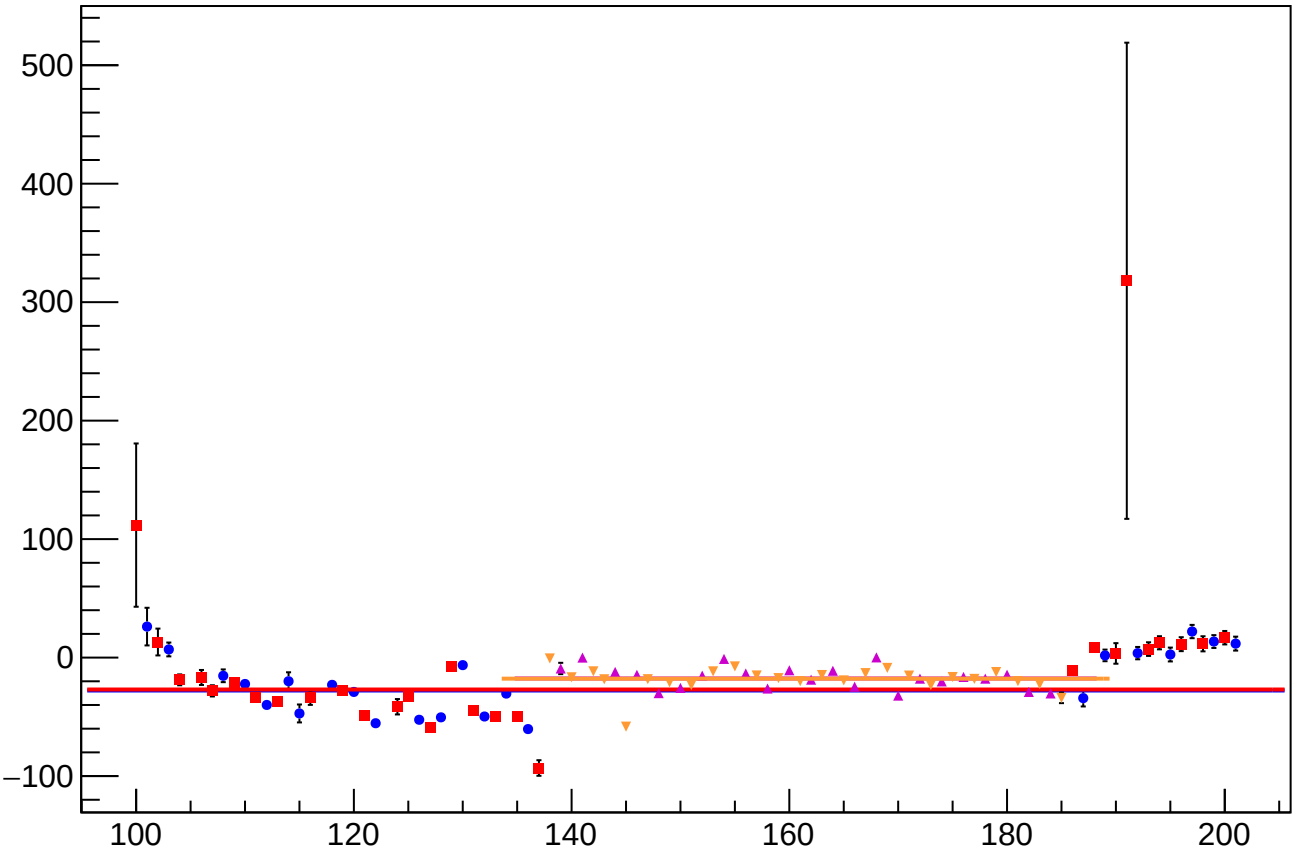
Right: 17.772+/-0.519 χ^2/NDF: 592.4/50

In: 12.081+/-0.399 χ^2/NDF:501.7/45

Out: 12.533+/-0.379 χ^2/NDF:621.0/52

All: 12.319+/-0.275 χ^2/NDF: 1123.3/98


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 28.161+/-0.756 χ²/NDF: 1393.3/22
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 26.746+/-0.633 χ²/NDF: 3298.8/27
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 27.329+/-0.485 χ²/NDF: 4694.2/50
In: 7.731+/-0.470 χ²/NDF:3233.2/45
Out: 10.222+/-0.430 χ²/NDF:5412.7/52
All: 9.088+/-0.317 χ²/NDF: 8661.2/98



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: -26.939+/-0.845 χ^2/NDF: 773.0/27

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

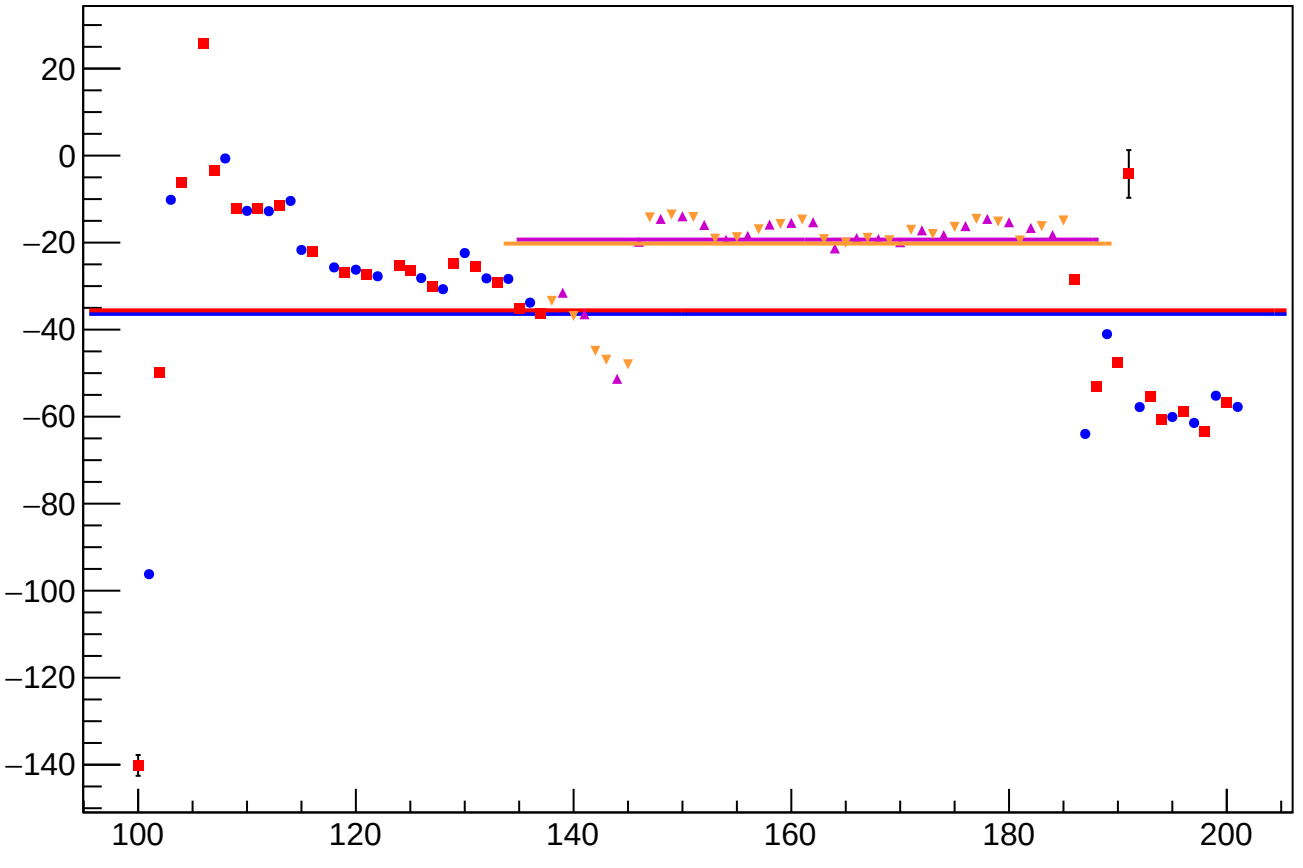
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -27.328+/-0.615 χ^2/NDF: 1454.6/50

In: -20.232+/-0.454 χ^2/NDF:1061.8/45

Out: -20.213+/-0.436 χ^2/NDF:1110.9/52

All: -20.222+/-0.314 χ^2/NDF: 2172.6/98



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: -35.569+/-0.044 χ^2/NDF: 261411.2/27

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

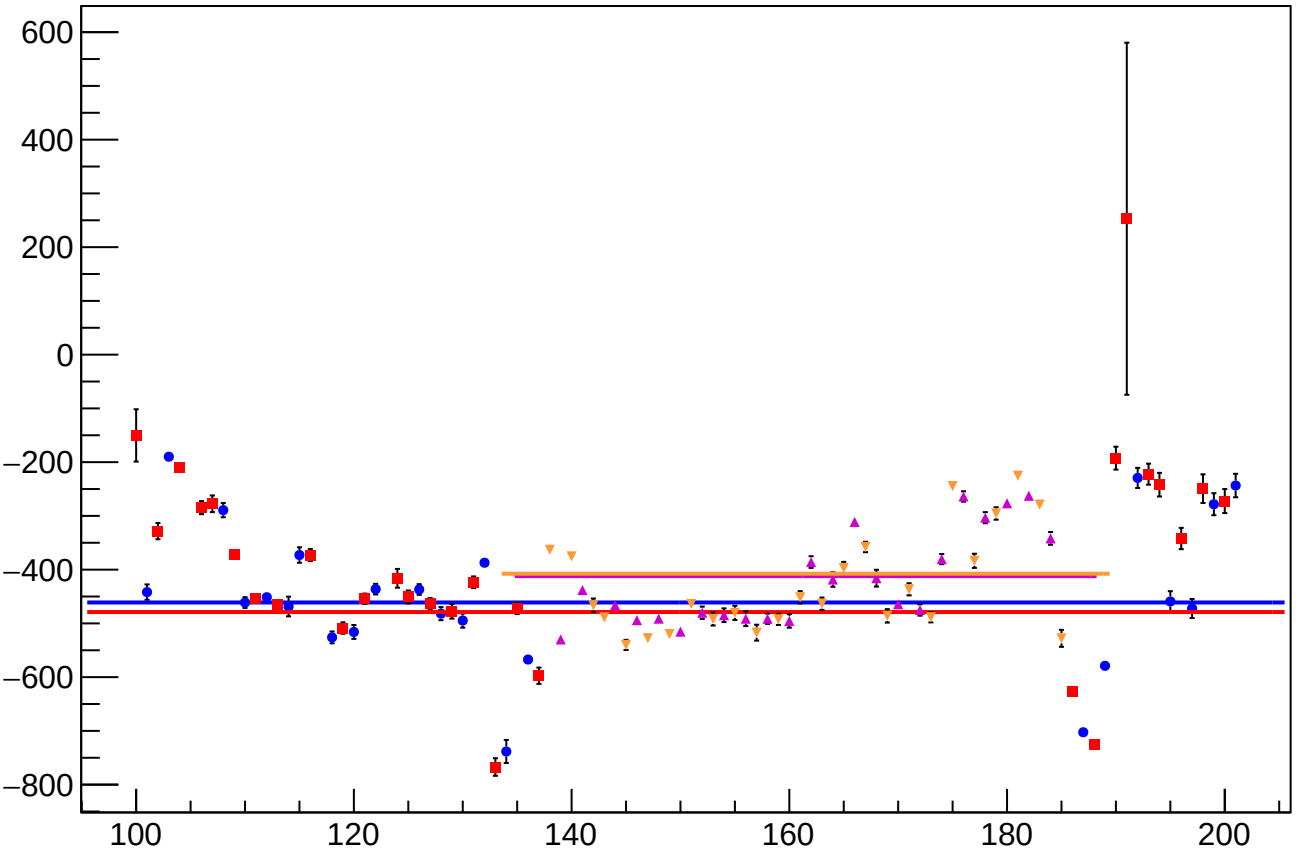
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -35.971+/-0.031 χ^2/NDF: 455521.6/50

In: -22.946+/-0.021 χ^2/NDF:401745.7/45

Out: -23.481+/-0.020 χ^2/NDF:504325.5/52

All: -23.218+/-0.014 χ^2/NDF: 906412.2/98



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: -478.892+/-2.091 χ^2/NDF: 5928.9/27

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

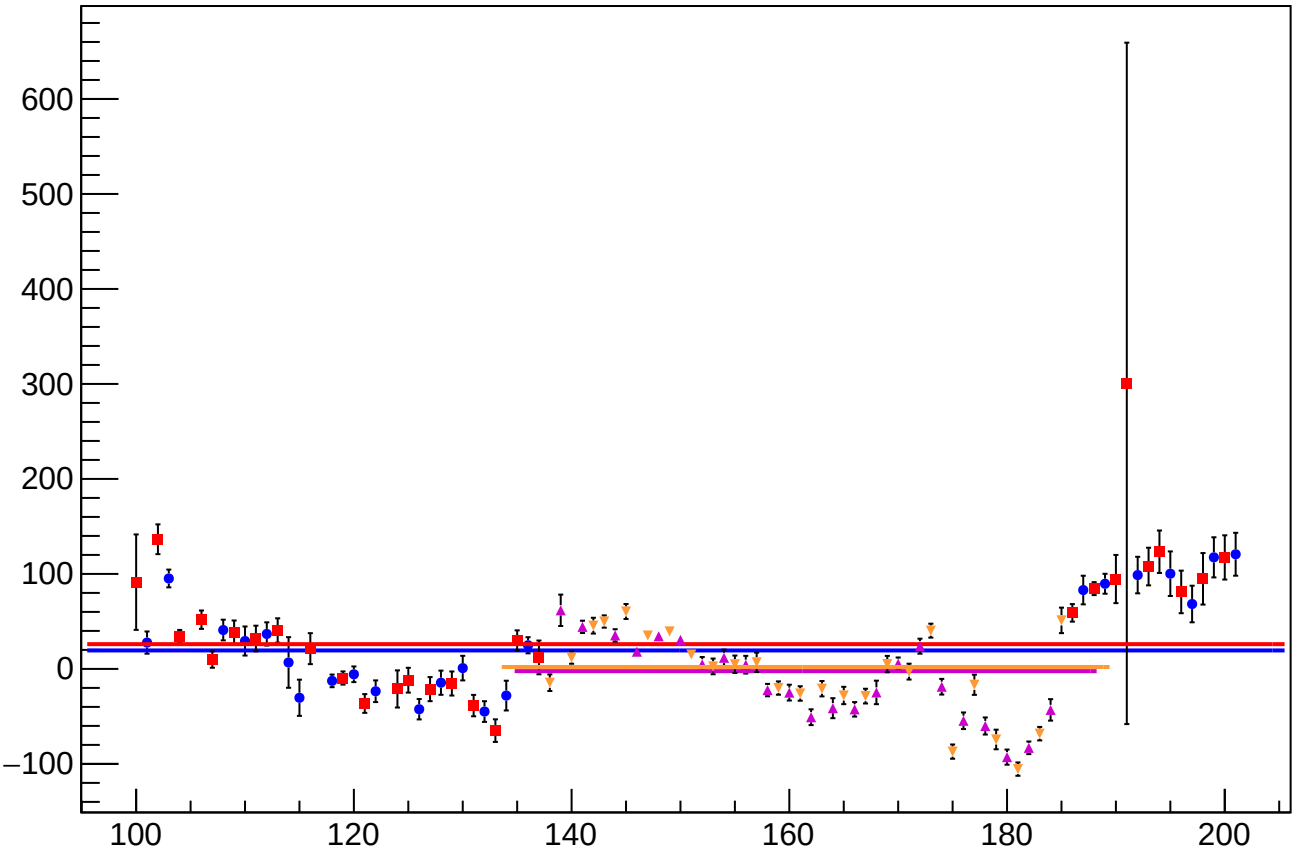
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -471.162+/-1.573 χ^2/NDF: 8766.5/50

In: -432.390+/-1.537 χ^2/NDF:5234.8/45

Out: -440.760+/-1.426 χ^2/NDF:9423.8/52

All: -436.887+/-1.046 χ^2/NDF: 14674.5/98



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: 26.049+/-2.250 χ^2/NDF: 421.8/27

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

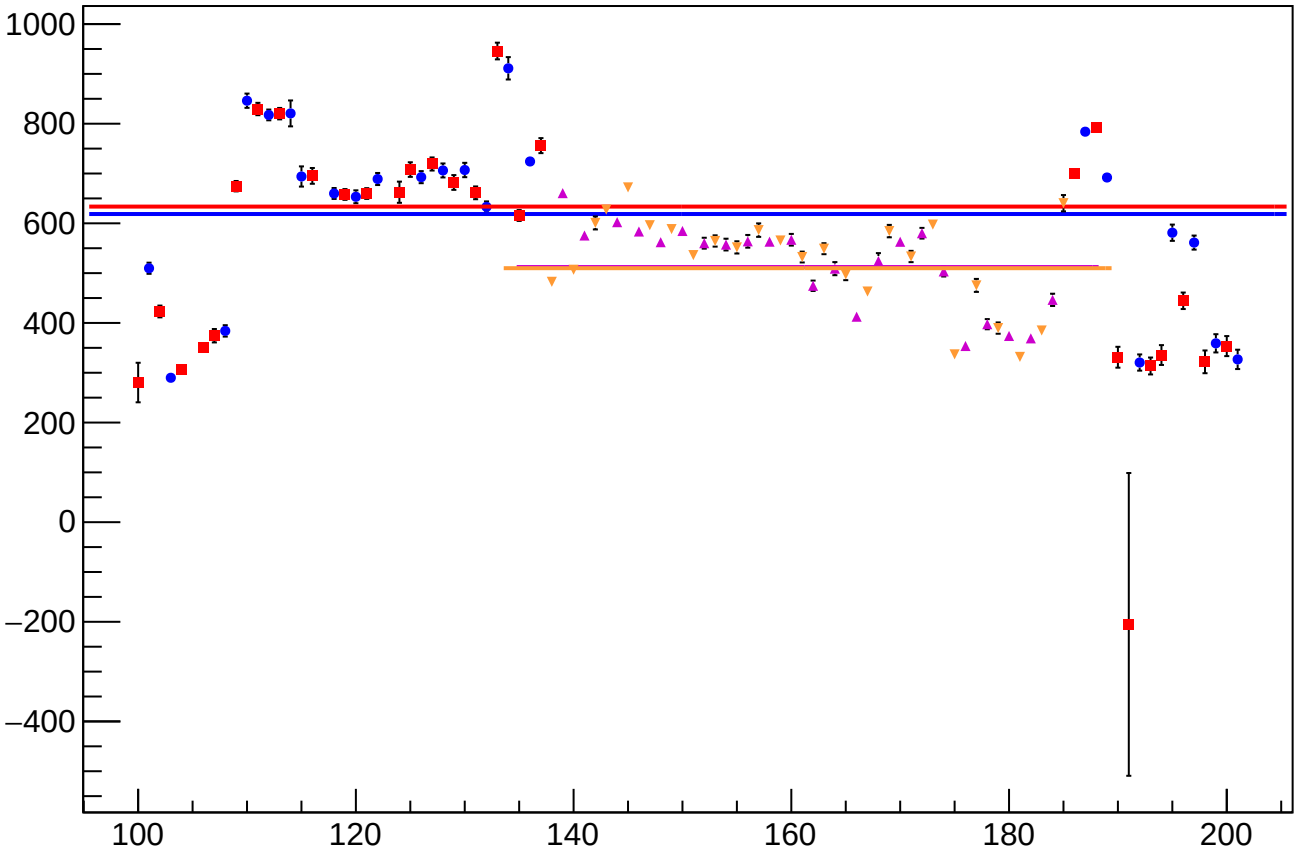
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 23.099+/-1.674 χ^2/NDF: 778.3/50

In: 3.288+/-1.276 χ^2/NDF:1142.1/45

Out: 8.918+/-1.204 χ^2/NDF:1413.8/52

All: 6.265+/-0.876 χ^2/NDF: 2566.2/98



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: 633.591+/-2.042 χ^2/NDF: 8257.8/27

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

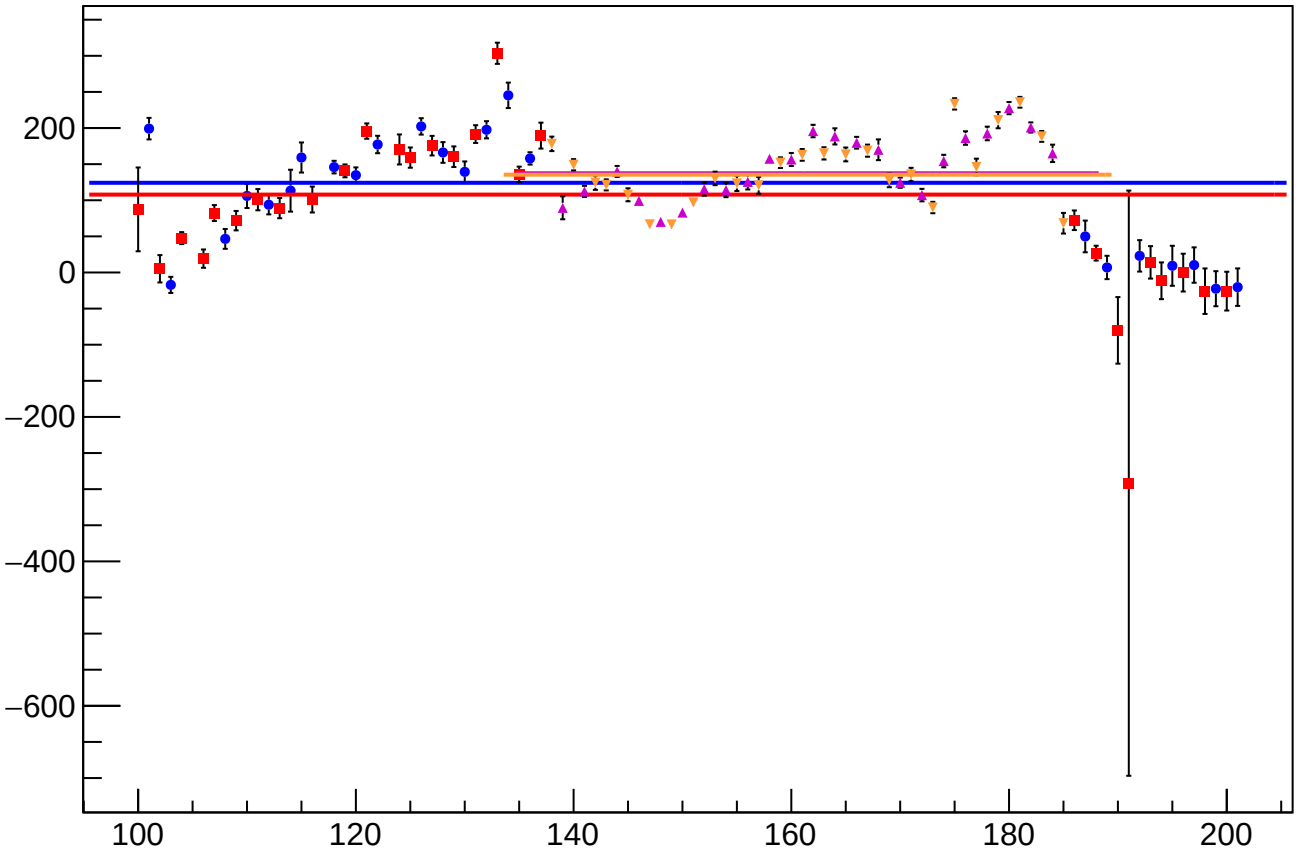
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 627.366+/-1.559 χ^2/NDF: 13522.9/50

In: 555.144+/-1.533 χ^2/NDF:8489.6/45

Out: 568.434+/-1.405 χ^2/NDF:12852.2/52

All: 562.367+/-1.036 χ^2/NDF: 21382.6/98



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: 107.850+/-2.717 χ^2/NDF: 726.5/27

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

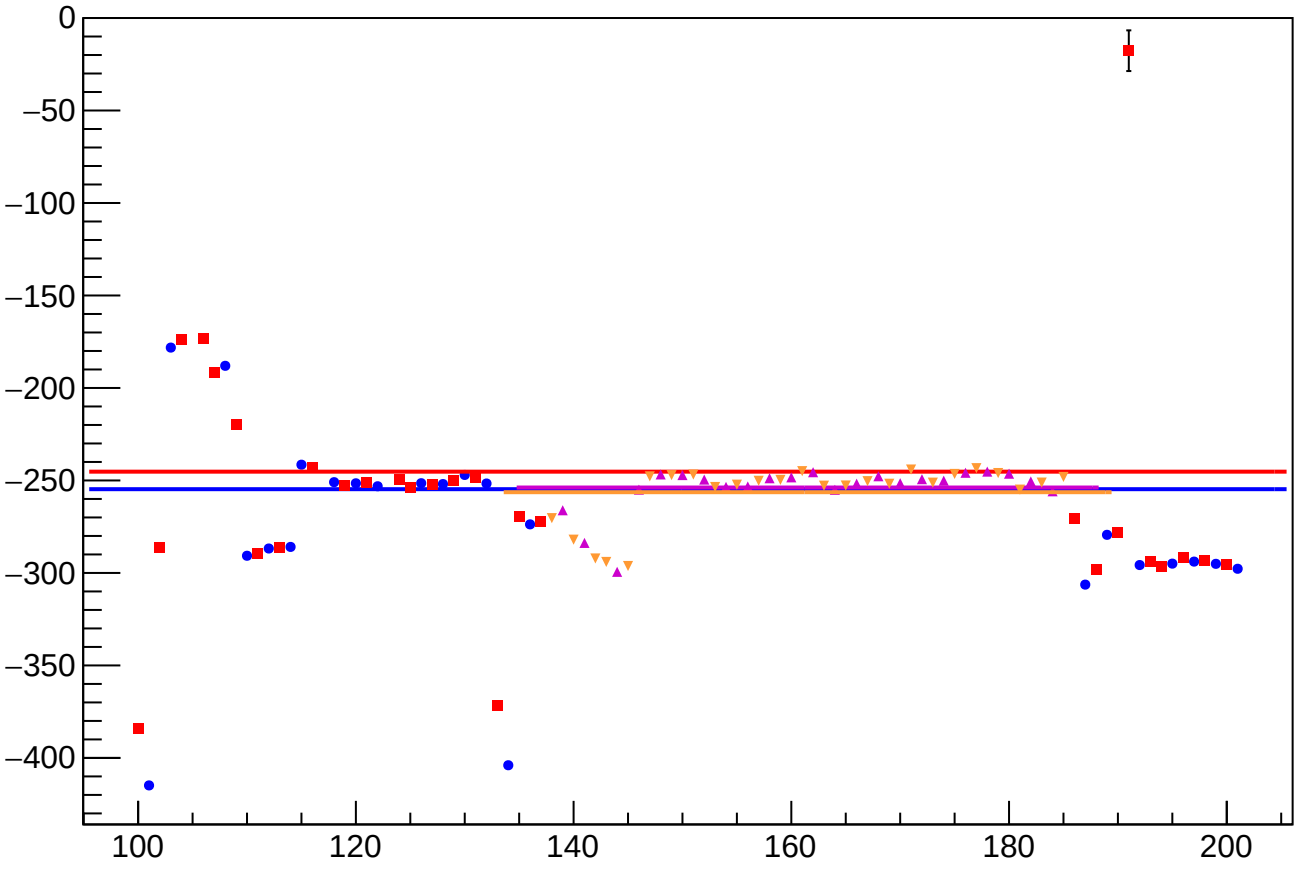
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 115.350+/-1.999 χ^2/NDF: 1346.5/50

In: 134.083+/-1.474 χ^2/NDF:1324.4/45

Out: 127.990+/-1.410 χ^2/NDF:1724.8/52

All: 130.900+/-1.019 χ^2/NDF: 3058.1/98



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: -245.244+/-0.137 χ^2/NDF: 141982.1/27

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

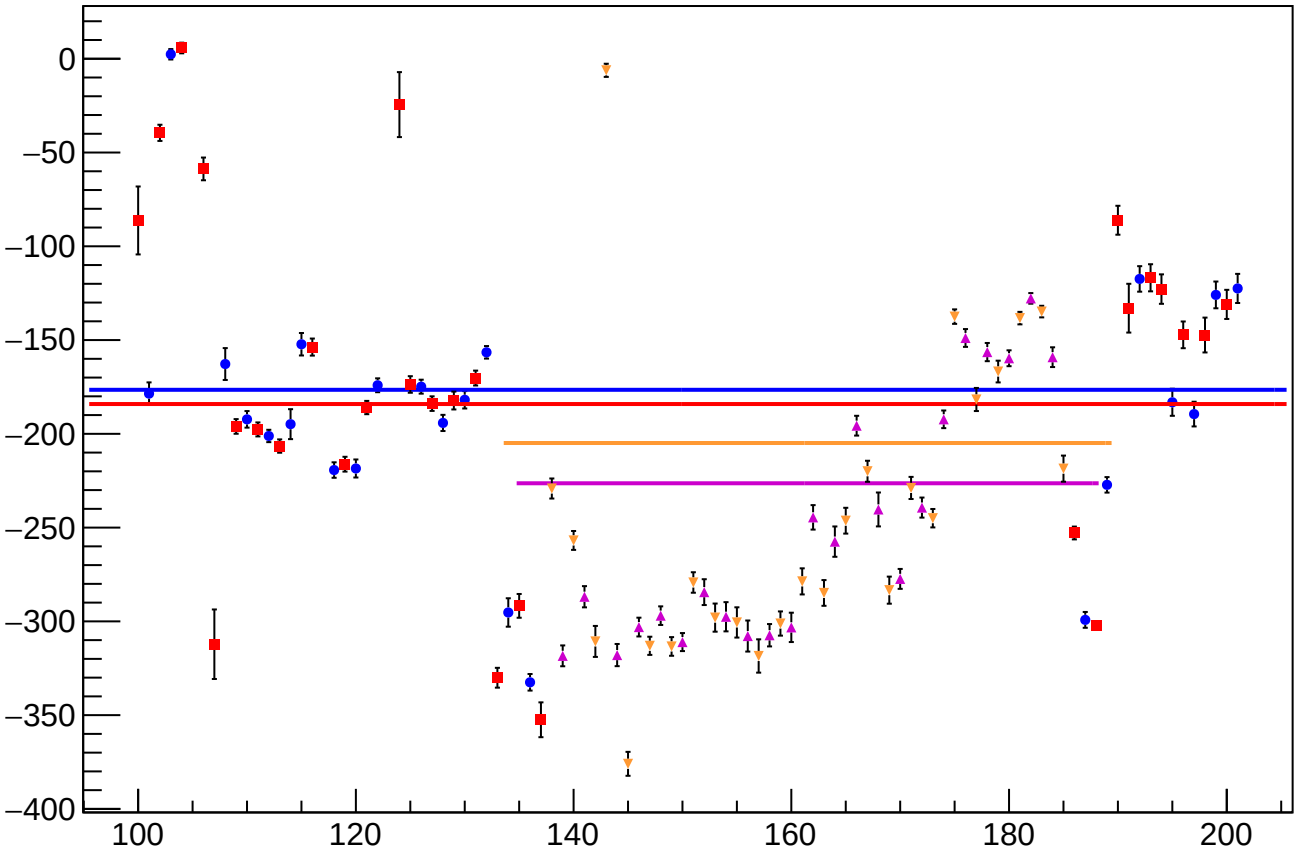
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -249.777+/-0.099 χ^2/NDF: 340071.1/50

In: -254.023+/-0.068 χ^2/NDF:219907.6/45

Out: -253.678+/-0.067 χ^2/NDF:186485.8/52

All: -253.847+/-0.048 χ^2/NDF: 406406.3/98



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: -184.111+/-0.875 χ^2/NDF: 11275.3/27

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

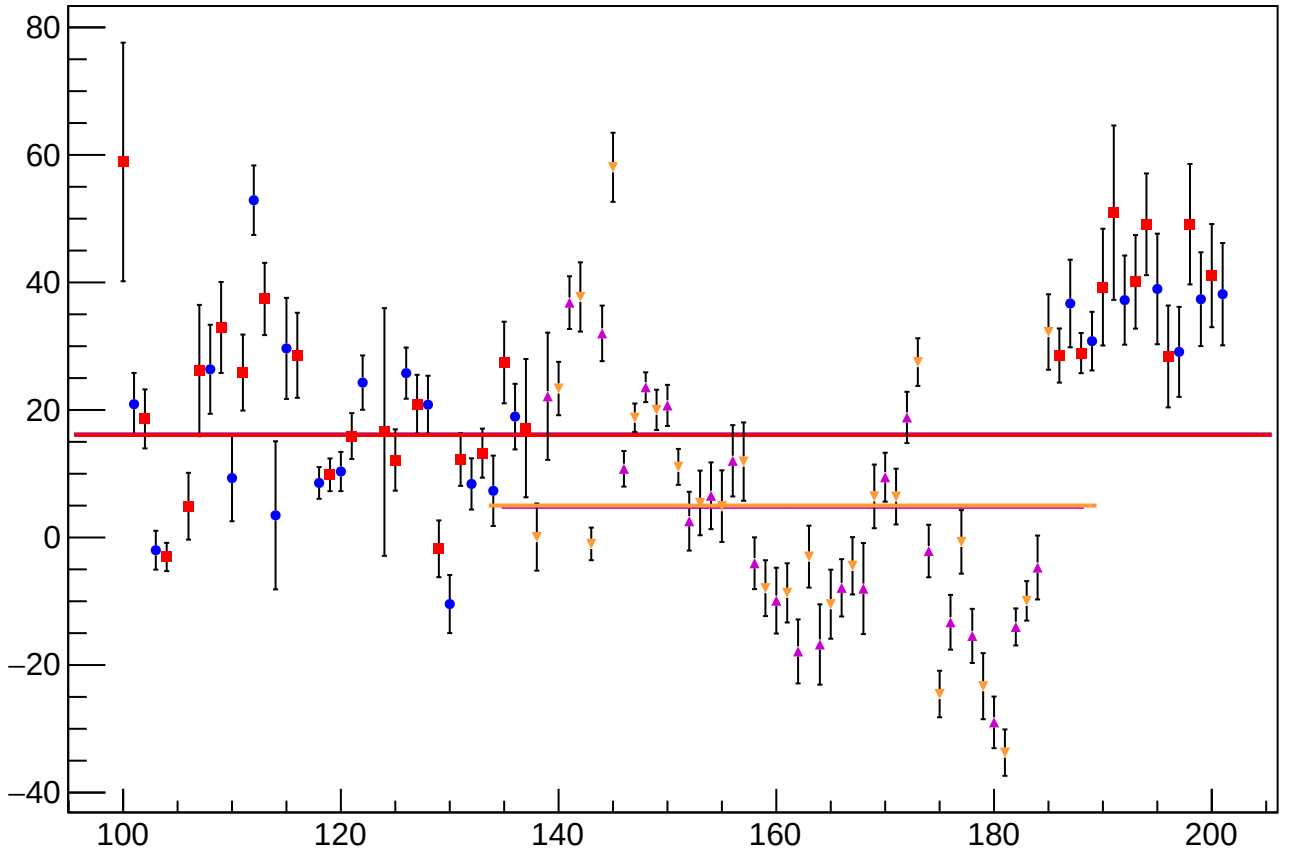
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -180.678+/-0.647 χ^2/NDF: 18449.4/50

In: -198.031+/-0.726 χ^2/NDF:12515.8/45

Out: -192.608+/-0.673 χ^2/NDF:19332.2/52

All: -195.113+/-0.493 χ^2/NDF: 31878.1/98



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: 16.083+/-0.920 χ^2/NDF: 230.0/27

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

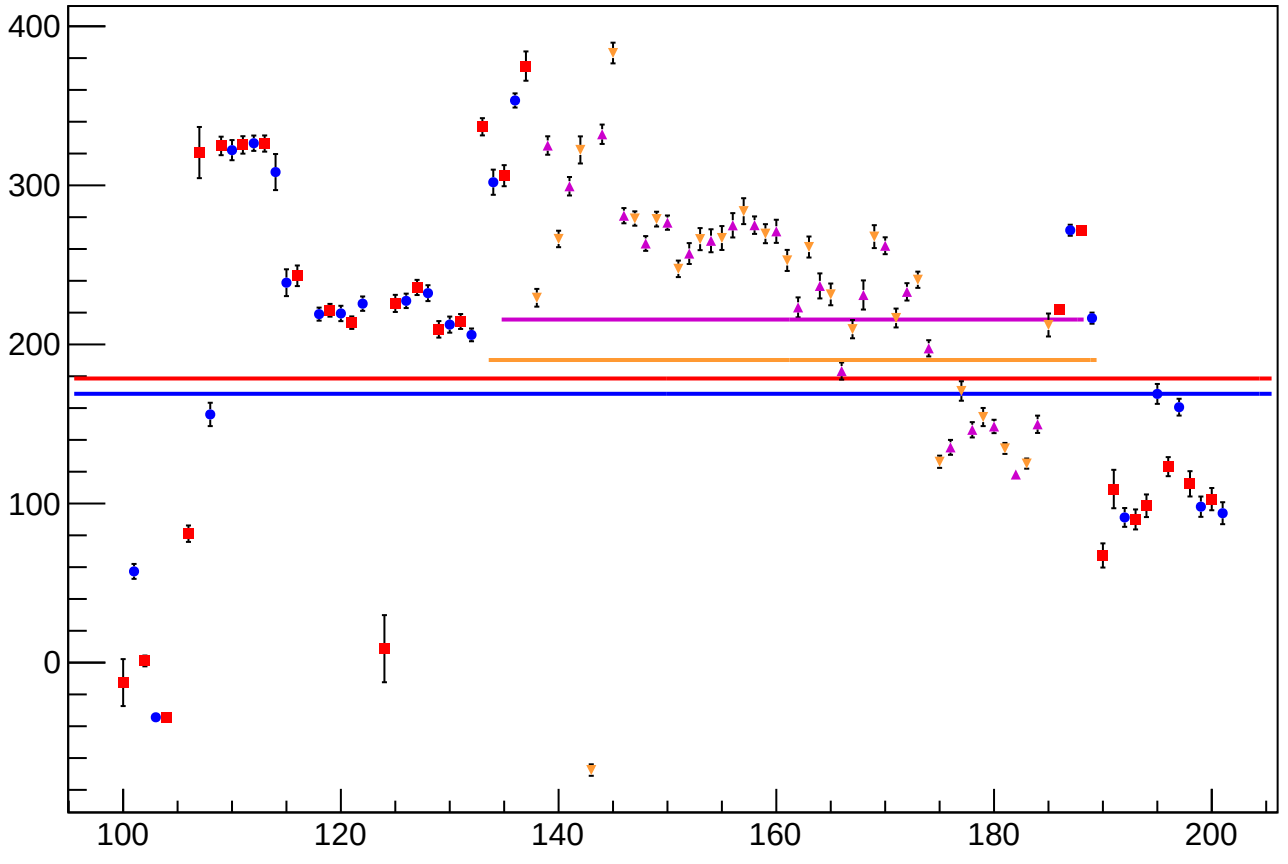
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 16.115+/-0.674 χ^2/NDF: 437.5/50

In: 9.591+/-0.643 χ^2/NDF:709.7/45

Out: 9.732+/-0.601 χ^2/NDF:861.7/52

All: 9.666+/-0.439 χ^2/NDF: 1571.4/98



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: 178.596+/-0.850 χ^2/NDF: 20625.0/27

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

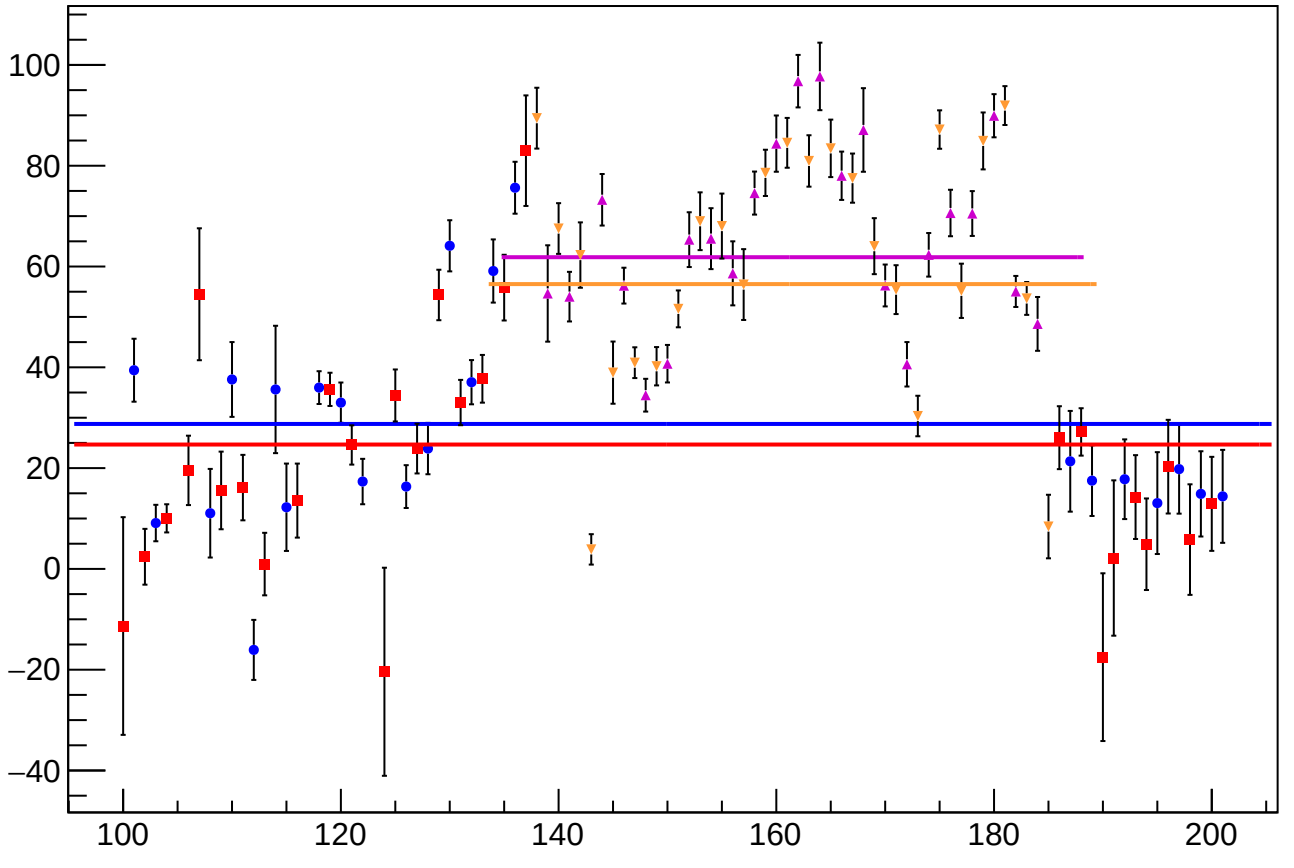
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 174.399+/-0.638 χ^2/NDF: 36168.7/50

In: 189.335+/-0.725 χ^2/NDF:20392.0/45

Out: 183.198+/-0.661 χ^2/NDF:30083.0/52

All: 185.980+/-0.488 χ^2/NDF: 50514.2/98



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: 24.678+/-1.107 χ^2/NDF: 208.8/27

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

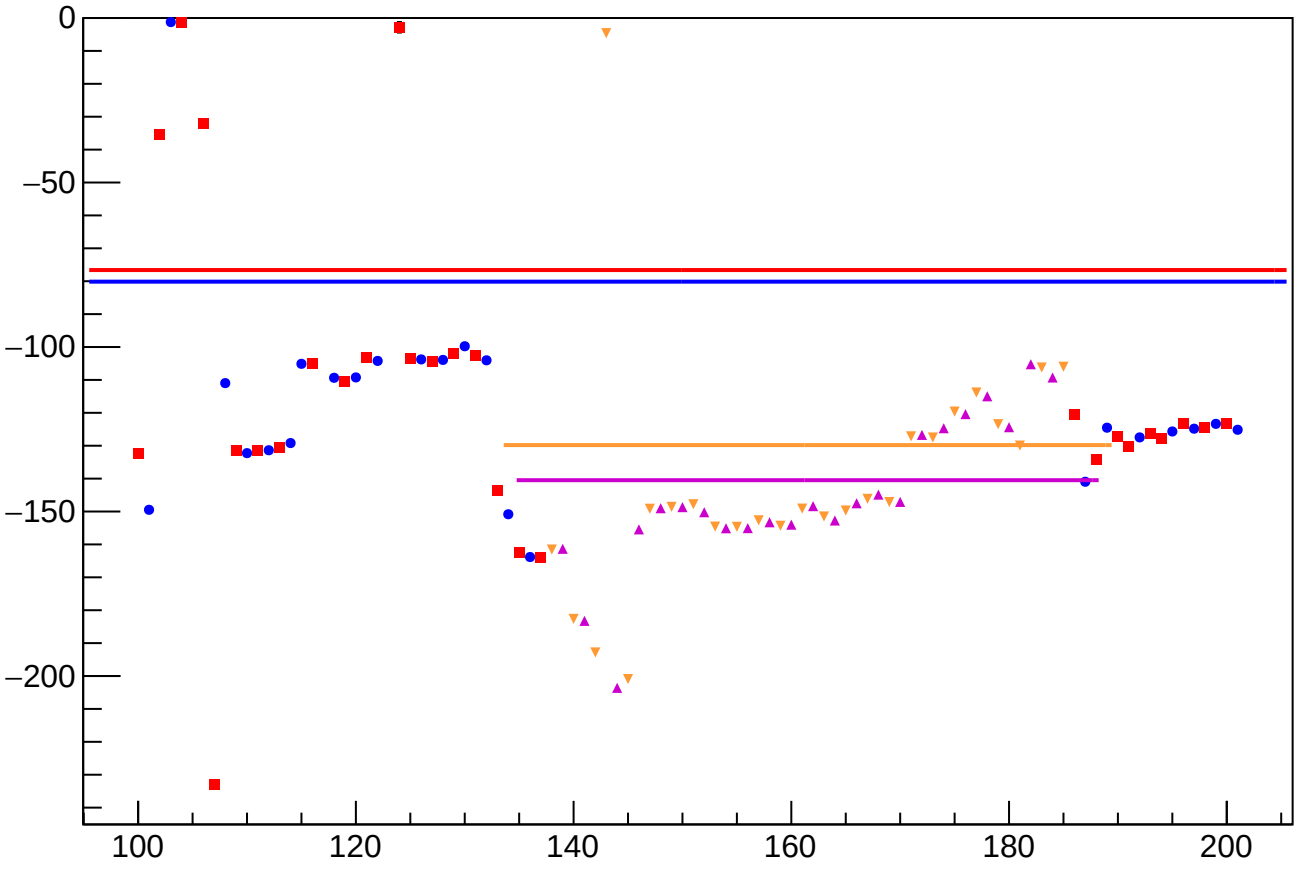
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.607+/-0.804 χ^2/NDF: 507.7/50

In: 48.518+/-0.743 χ^2/NDF:1090.4/45

Out: 43.691+/-0.702 χ^2/NDF:1501.7/52

All: 45.970+/-0.510 χ^2/NDF: 2614.4/98



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: -76.607+/-0.053 χ^2/NDF: 1212806.1/27

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

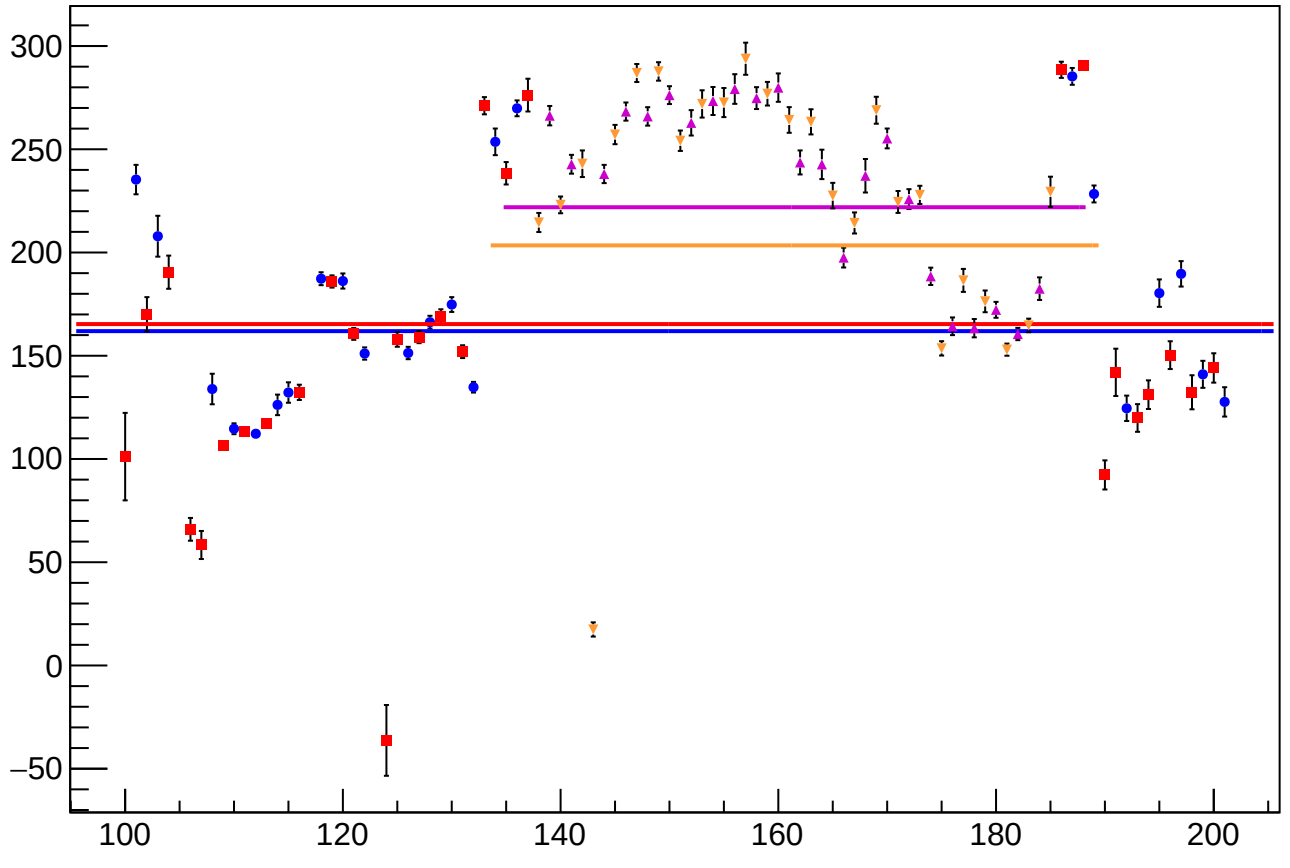
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -78.301+/-0.038 χ^2/NDF: 2491509.2/50

In: -117.229+/-0.034 χ^2/NDF:2266931.6/45

Out: -109.211+/-0.033 χ^2/NDF:2854386.9/52

All: -113.074+/-0.024 χ^2/NDF: 5149742.5/98



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: 165.333+/-0.732 χ^2/NDF: 8052.4/27

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

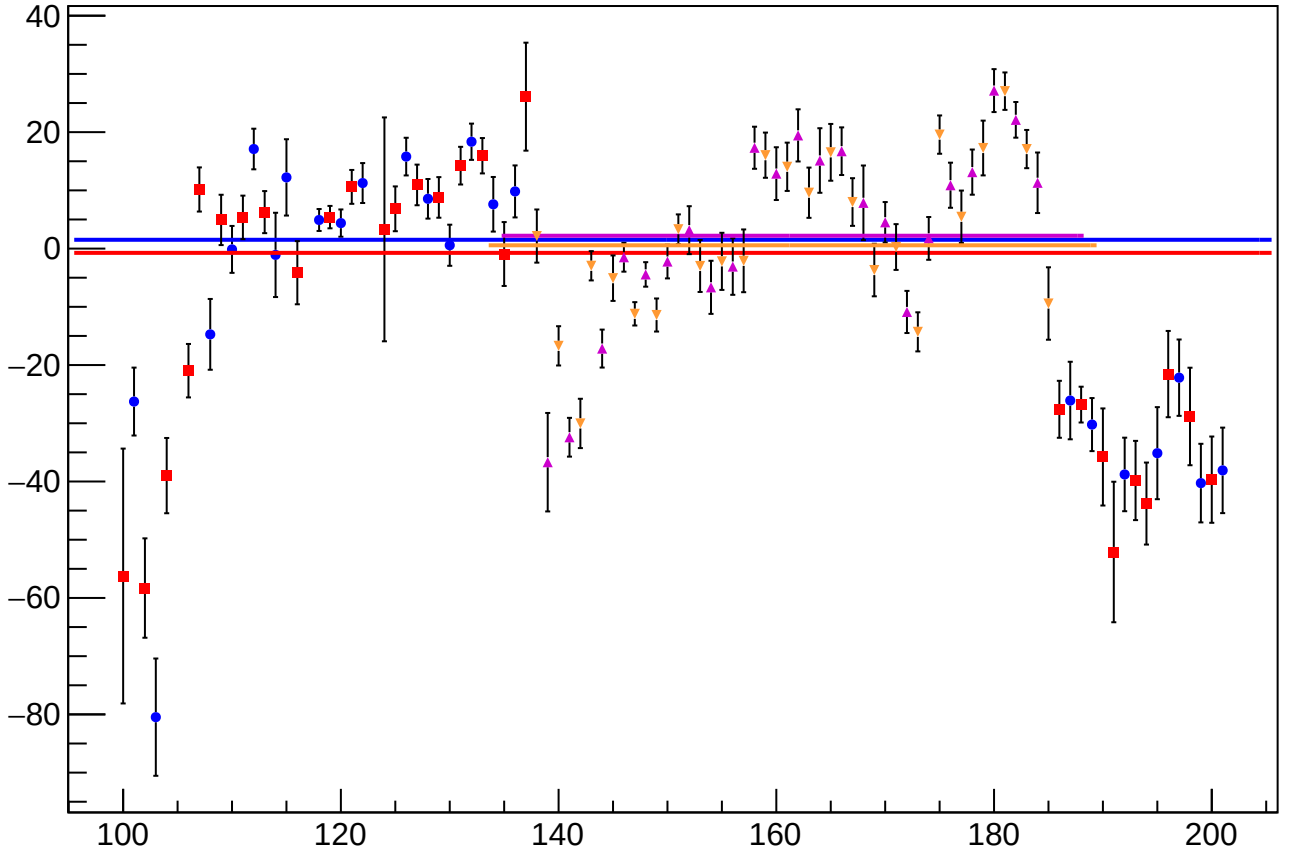
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 163.778+/-0.540 χ^2/NDF: 11700.2/50

In: 185.257+/-0.625 χ^2/NDF:7812.0/45

Out: 179.472+/-0.580 χ^2/NDF:14550.5/52

All: 182.149+/-0.425 χ^2/NDF: 22408.4/98



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: -0.733+/-0.810 χ^2/NDF: 486.0/27

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

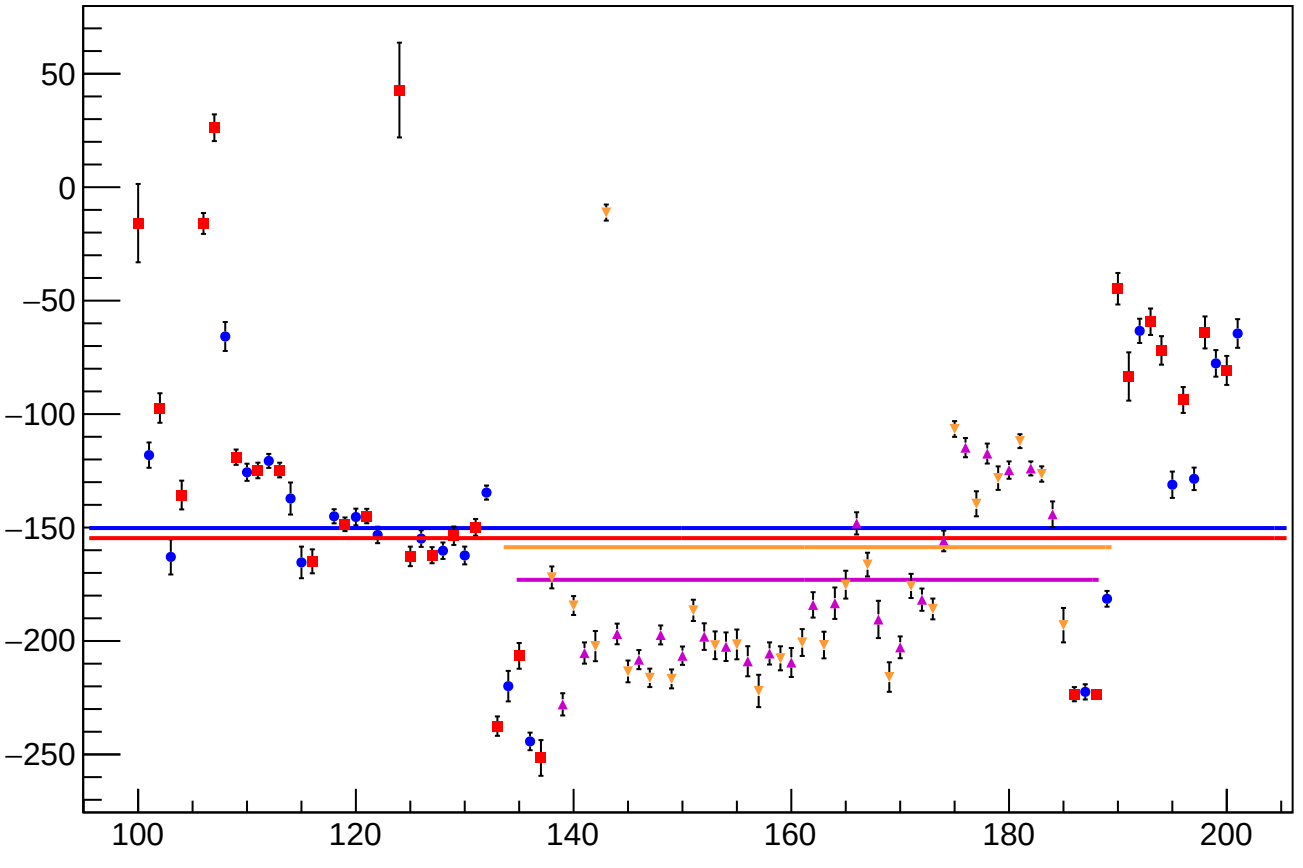
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 0.358+/-0.581 χ^2/NDF: 888.3/50

In: 1.894+/-0.562 χ^2/NDF:757.1/45

Out: -0.002+/-0.536 χ^2/NDF:832.9/52

All: 0.902+/-0.388 χ^2/NDF: 1595.9/98



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: -154.666+/-0.791 χ^2/NDF: 6167.6/27

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

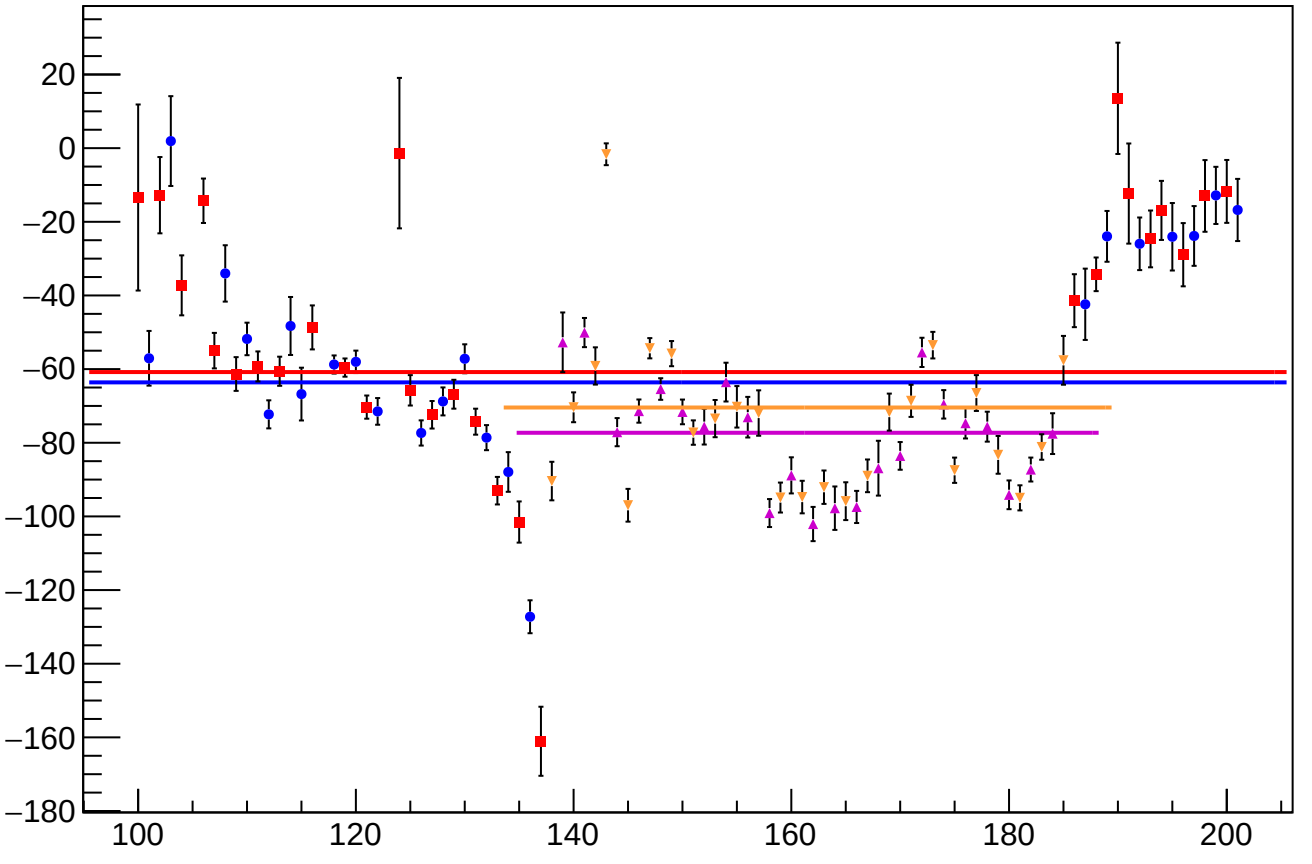
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -152.692+/-0.589 χ^2/NDF: 8458.2/50

In: -160.278+/-0.661 χ^2/NDF:3970.3/45

Out: -156.299+/-0.608 χ^2/NDF:9669.8/52

All: -158.124+/-0.447 χ^2/NDF: 13659.7/98



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: -60.802+/-0.953 χ^2/NDF: 586.8/27

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

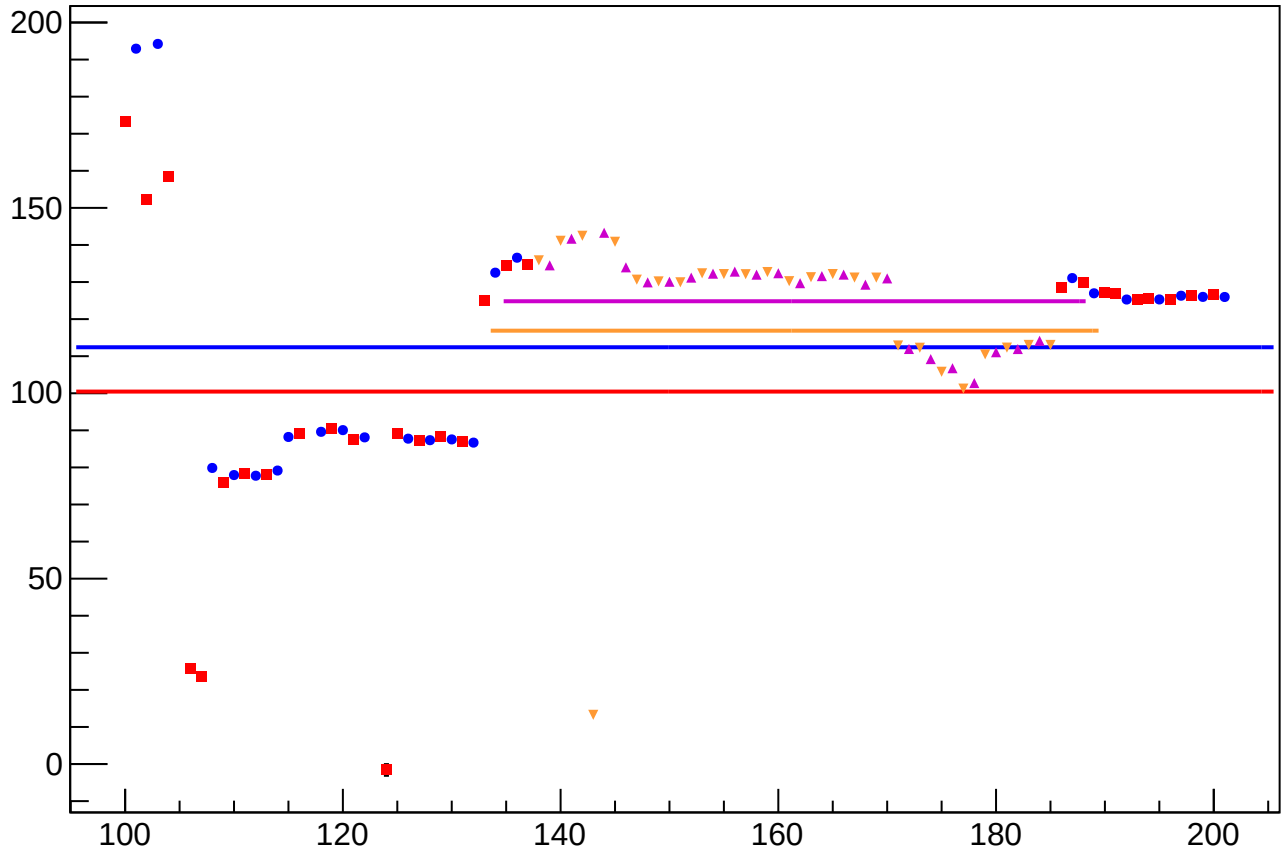
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -62.167+/-0.682 χ^2/NDF: 1108.6/50

In: -71.275+/-0.648 χ^2/NDF:881.7/45

Out: -66.325+/-0.622 χ^2/NDF:1547.0/52

All: -68.699+/-0.449 χ^2/NDF: 2459.0/98



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: 100.456+/-0.054 χ^2/NDF: 490477.0/27

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

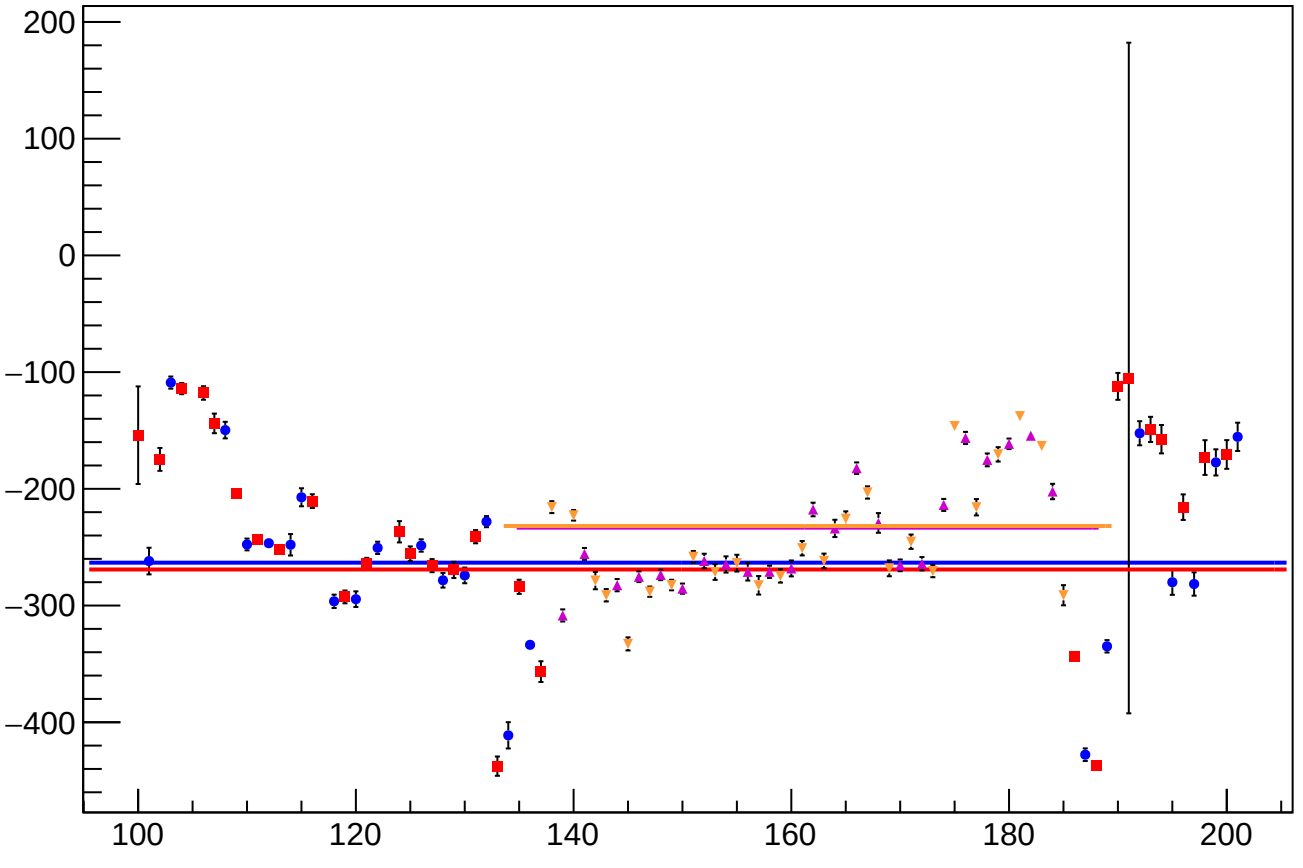
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 105.992+/-0.039 χ^2/NDF: 780667.3/50

In: 120.904+/-0.033 χ^2/NDF:386851.0/45

Out: 111.396+/-0.031 χ^2/NDF:1175654.4/52

All: 115.934+/-0.022 χ^2/NDF: 1607141.9/98



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: -269.111+/-1.128 χ^2/NDF: 7315.5/27

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

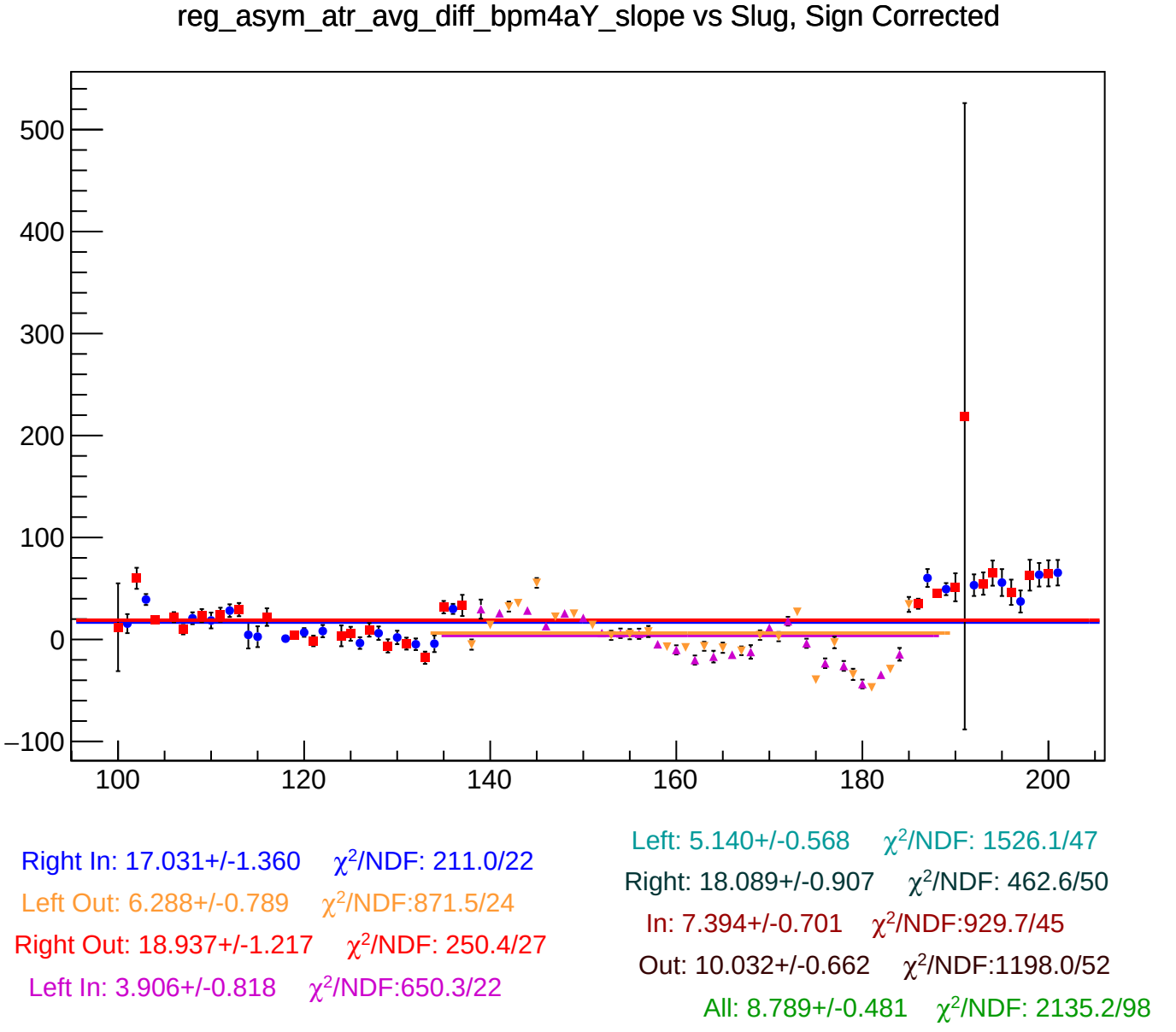
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

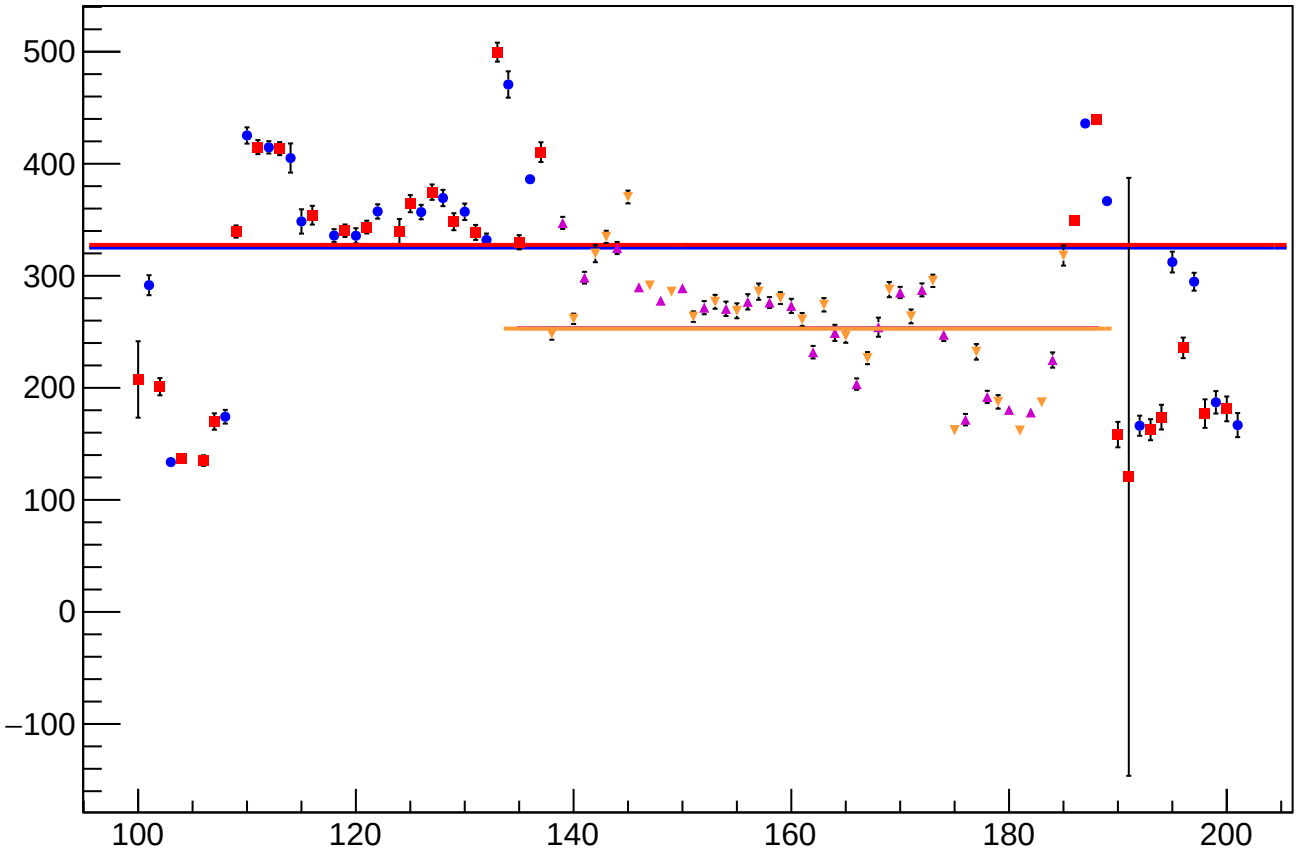
Right: -266.592+/-0.851 χ^2/NDF: 10503.1/50

In: -245.930+/-0.842 χ^2/NDF:5553.0/45

Out: -249.672+/-0.780 χ^2/NDF:10561.4/52

All: -247.943+/-0.572 χ^2/NDF: 16125.1/98


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 17.031+/-1.360 χ²/NDF: 211.0/22
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 18.937+/-1.217 χ²/NDF: 250.4/27
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 18.089+/-0.907 χ²/NDF: 462.6/50
In: 7.394+/-0.701 χ²/NDF:929.7/45
Out: 10.032+/-0.662 χ²/NDF:1198.0/52
All: 8.789+/-0.481 χ²/NDF: 2135.2/98



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: 327.596+/-1.124 χ^2/NDF: 9482.0/27

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

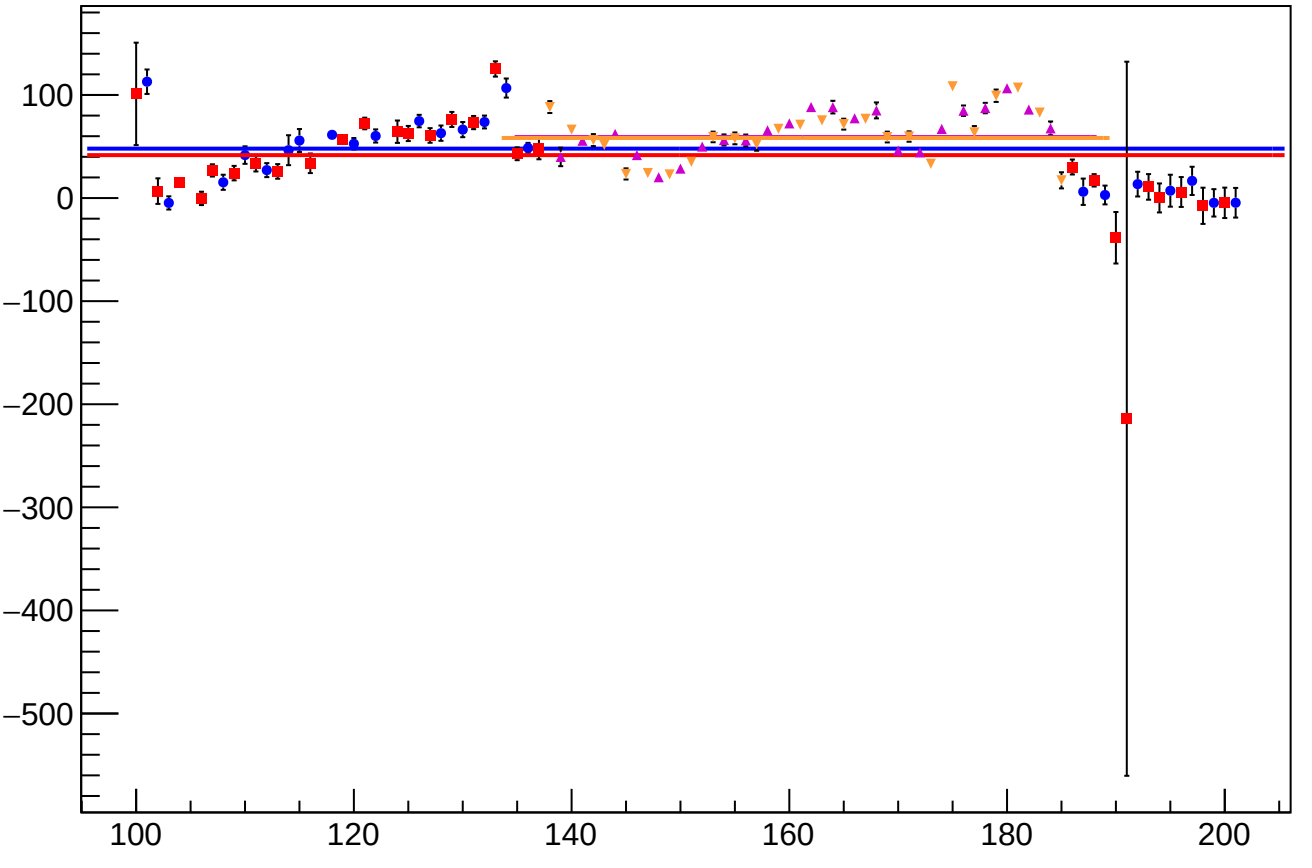
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 326.617+/-0.861 χ^2/NDF: 14736.1/50

In: 282.024+/-0.847 χ^2/NDF:9044.4/45

Out: 288.416+/-0.775 χ^2/NDF:14377.5/52

All: 285.503+/-0.572 χ^2/NDF: 23452.9/98



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: 41.643+/-1.464 χ^2/NDF: 404.1/27

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

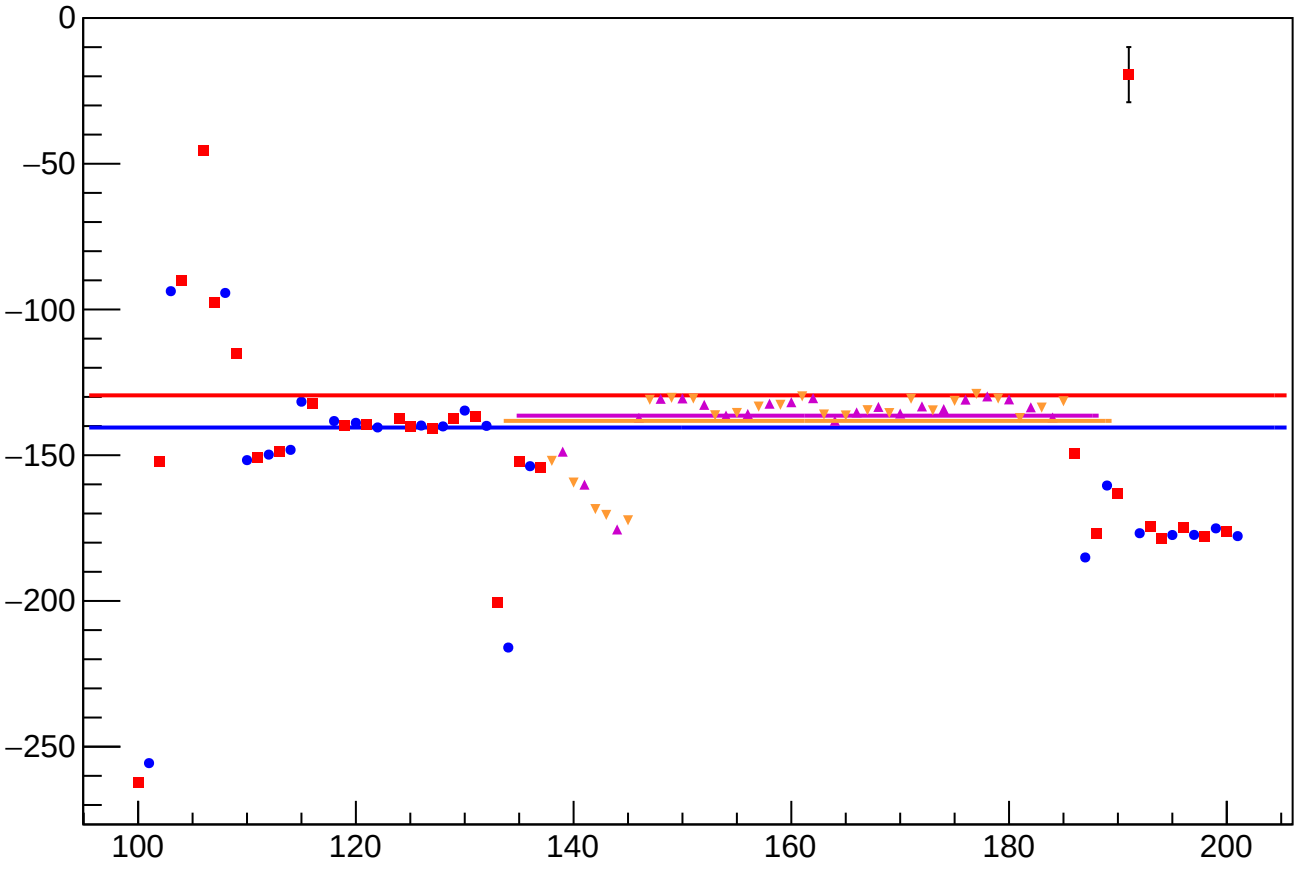
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 44.517+/-1.080 χ^2/NDF: 724.9/50

In: 56.277+/-0.809 χ^2/NDF:981.3/45

Out: 53.654+/-0.774 χ^2/NDF:1347.6/52

All: 54.907+/-0.559 χ^2/NDF: 2334.5/98



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: -129.463+/-0.075 χ^2/NDF: 315558.3/27

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

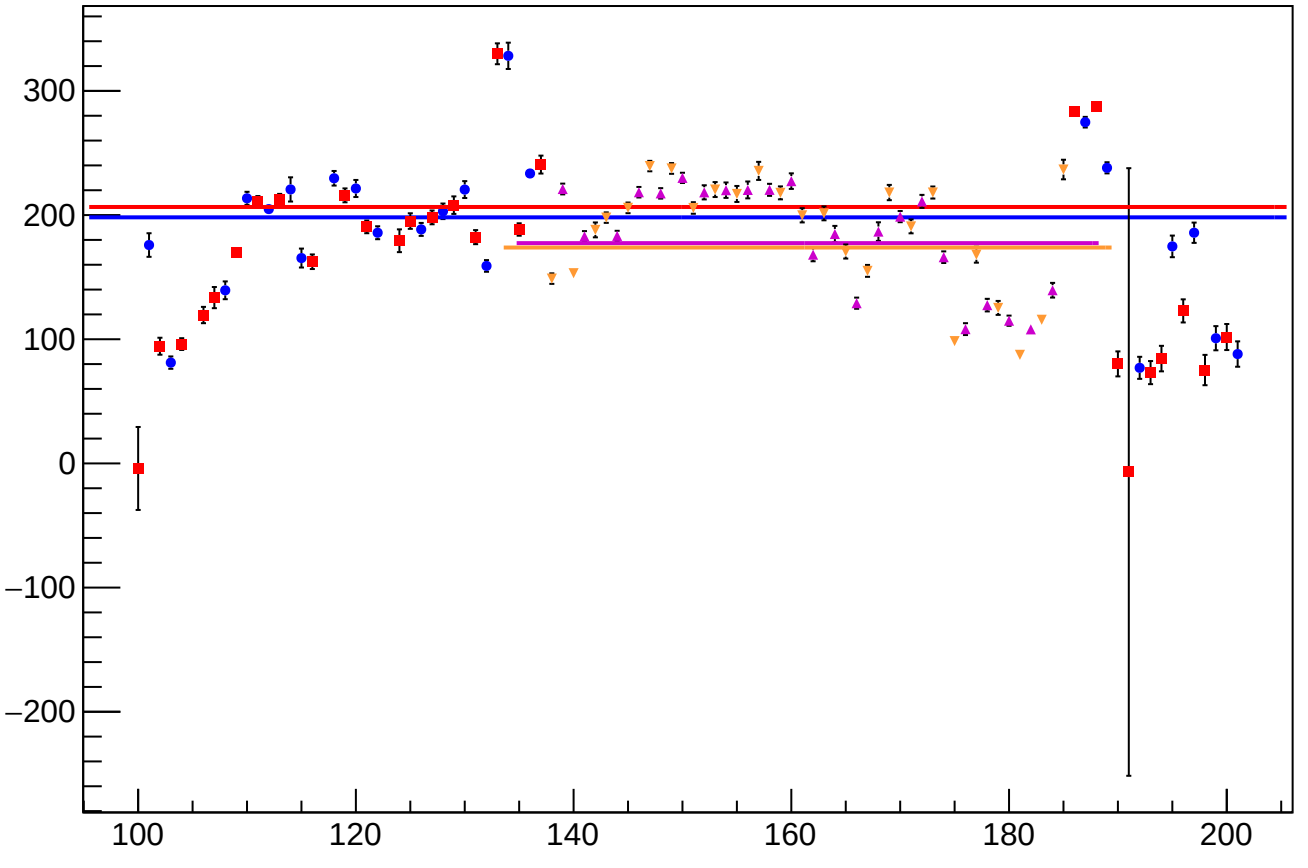
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -134.628+/-0.055 χ^2/NDF: 556408.1/50

In: -137.339+/-0.038 χ^2/NDF:282506.7/45

Out: -136.087+/-0.037 χ^2/NDF:407713.9/52

All: -136.699+/-0.026 χ^2/NDF: 690781.3/98



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: 206.519+/-1.059 χ^2/NDF: 4009.2/27

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

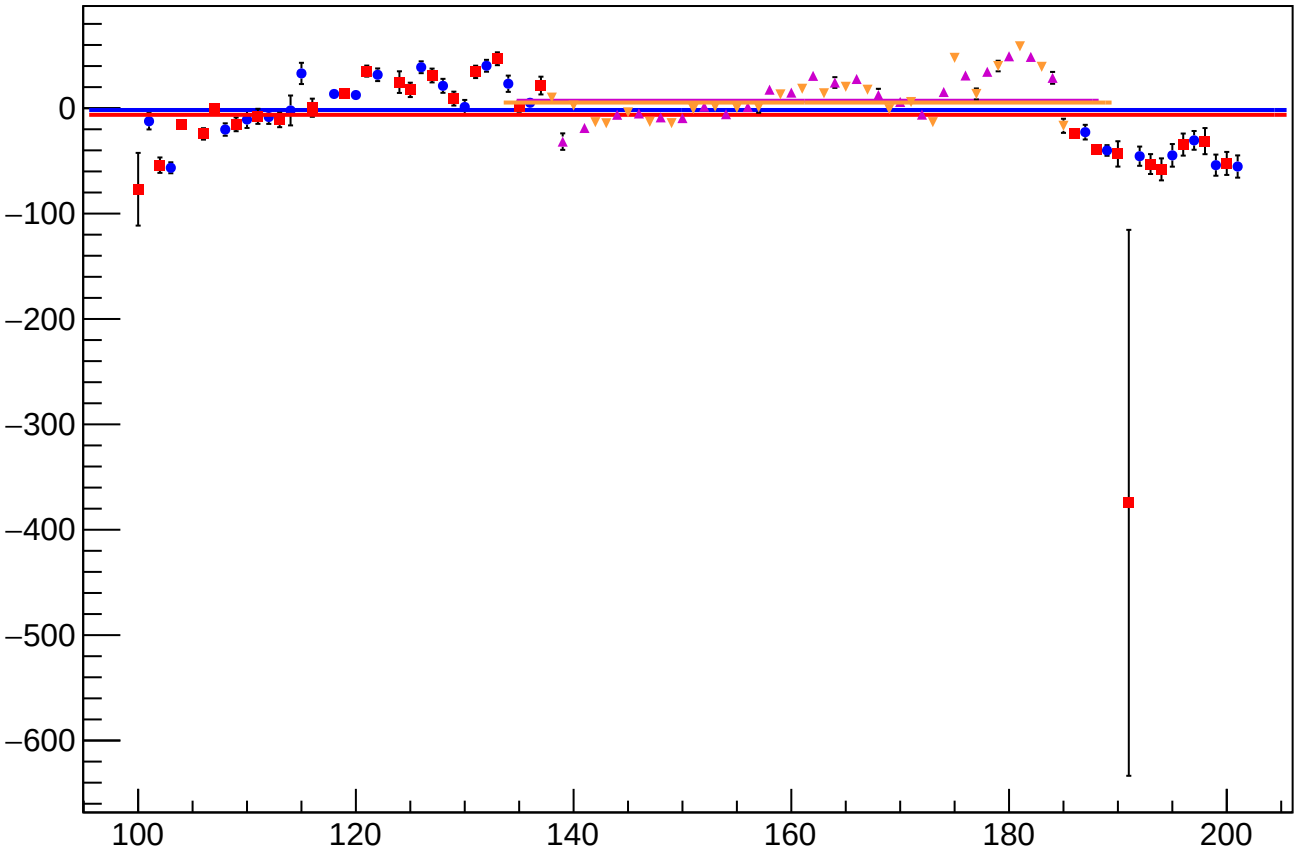
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 202.941+/-0.800 χ^2/NDF: 5888.8/50

In: 185.696+/-0.772 χ^2/NDF:3989.9/45

Out: 188.634+/-0.712 χ^2/NDF:7157.9/52

All: 187.283+/-0.523 χ^2/NDF: 11155.6/98



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: -6.274+/-1.161 χ^2/NDF: 569.1/27

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

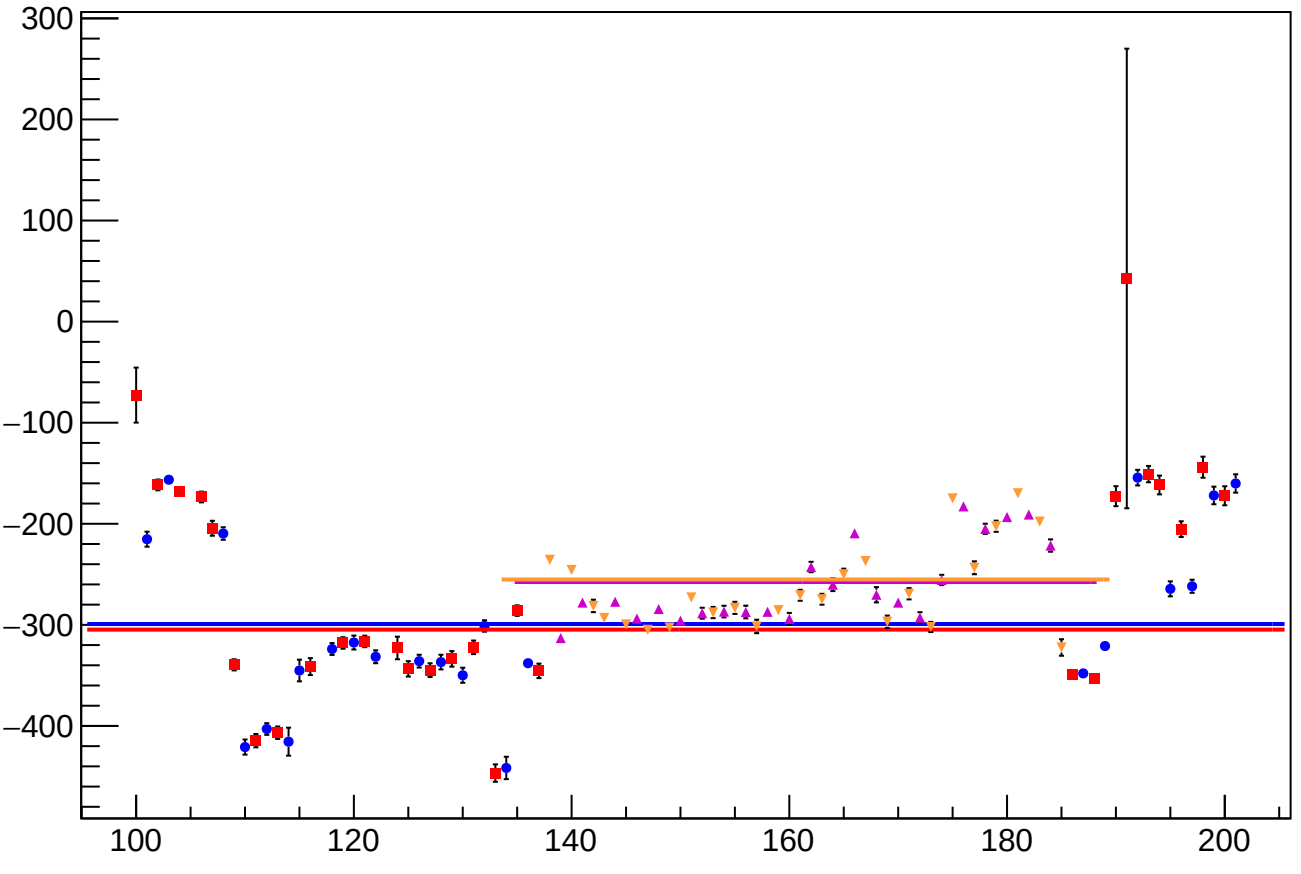
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -4.240+/-0.866 χ^2/NDF: 1075.2/50

In: 4.910+/-0.644 χ^2/NDF:1243.1/45

Out: 2.191+/-0.606 χ^2/NDF:1452.2/52

All: 3.468+/-0.441 χ^2/NDF: 2704.7/98



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: -304.702+/-1.022 χ^2/NDF: 6220.5/27

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

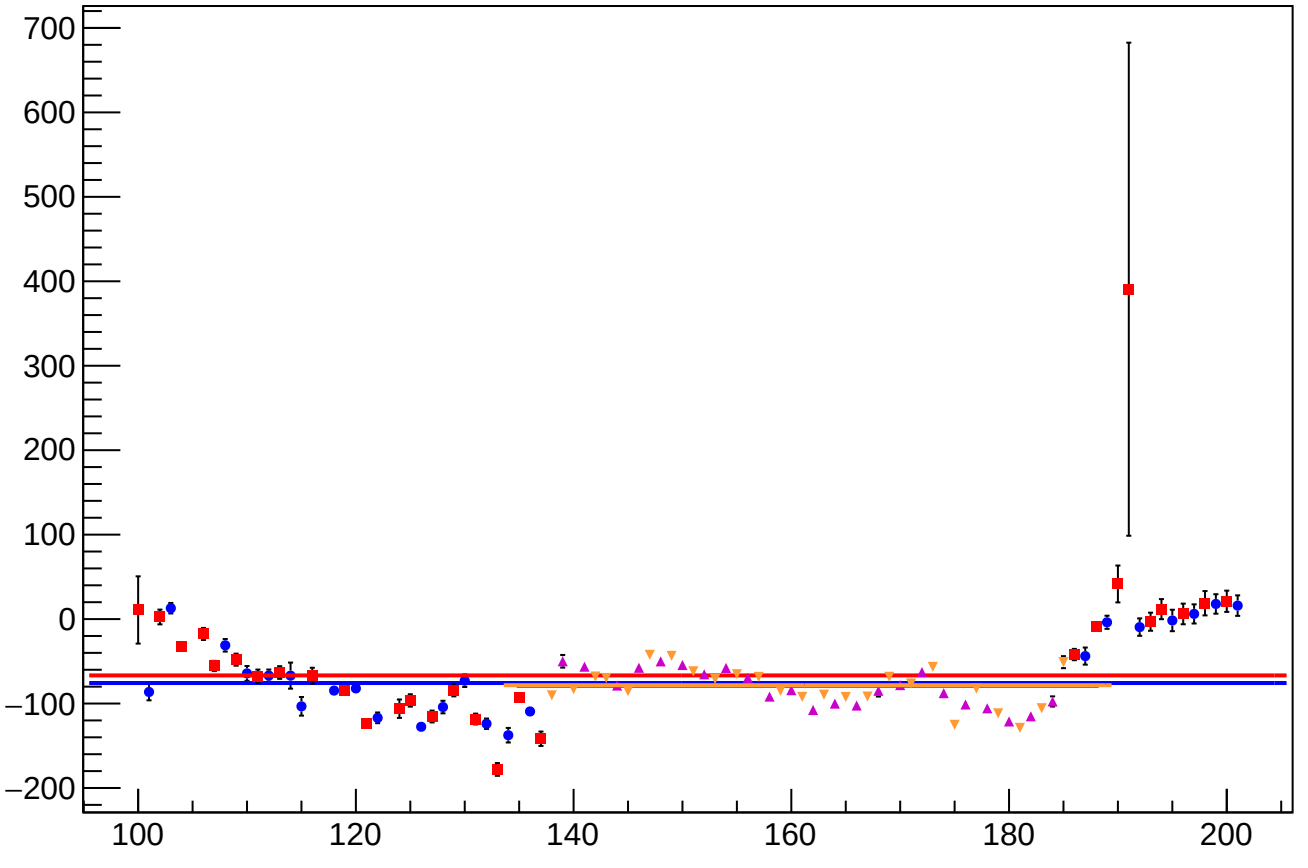
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -302.441+/-0.785 χ^2/NDF: 10106.9/50

In: -273.890+/-0.768 χ^2/NDF:6380.9/45

Out: -278.263+/-0.698 χ^2/NDF:9819.9/52

All: -276.284+/-0.517 χ^2/NDF: 16218.5/98



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: -66.699+/-1.404 χ^2/NDF: 1143.4/27

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

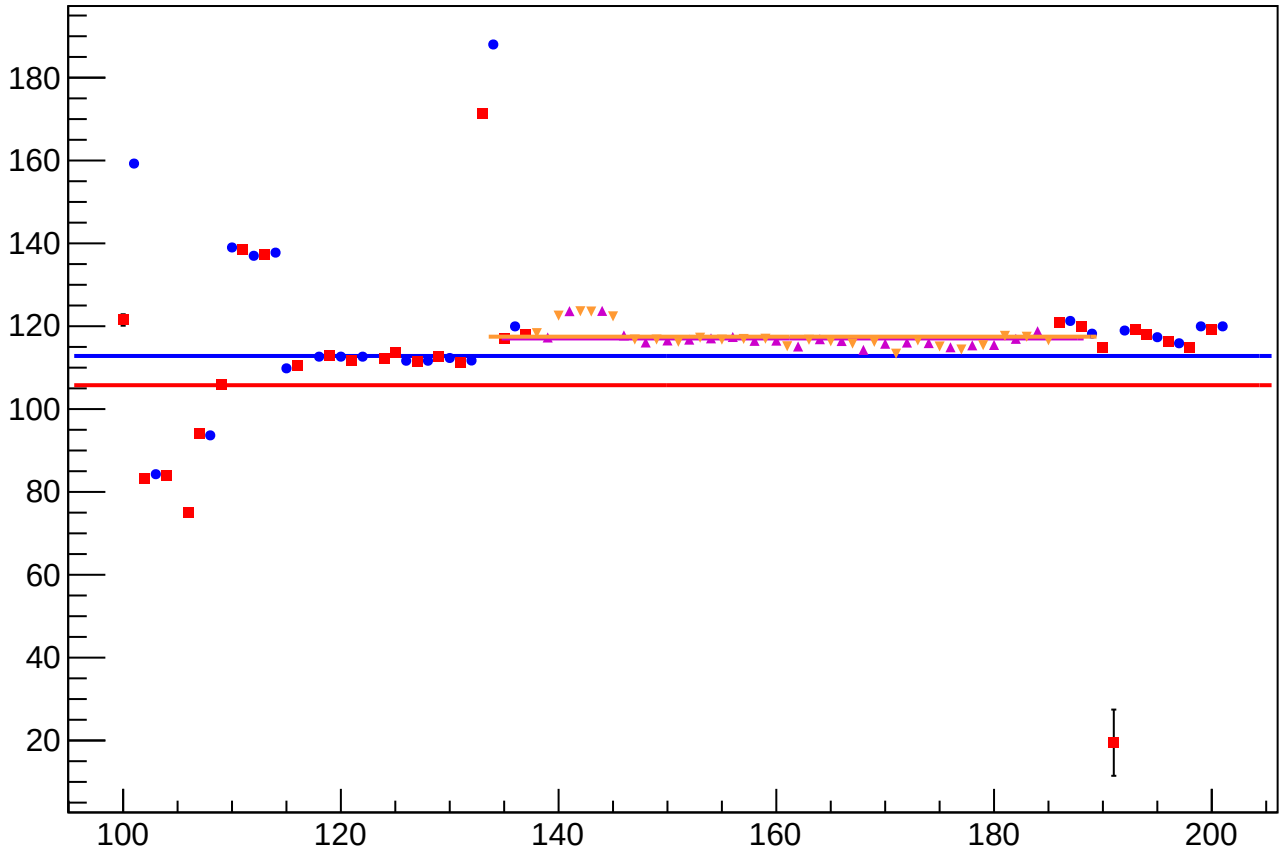
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -70.820+/-1.033 χ^2/NDF: 2075.6/50

In: -78.270+/-0.742 χ^2/NDF:1619.8/45

Out: -75.351+/-0.707 χ^2/NDF:2062.4/52

All: -76.740+/-0.512 χ^2/NDF: 3690.3/98



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: 105.763+/-0.069 χ^2/NDF: 75174.8/27

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

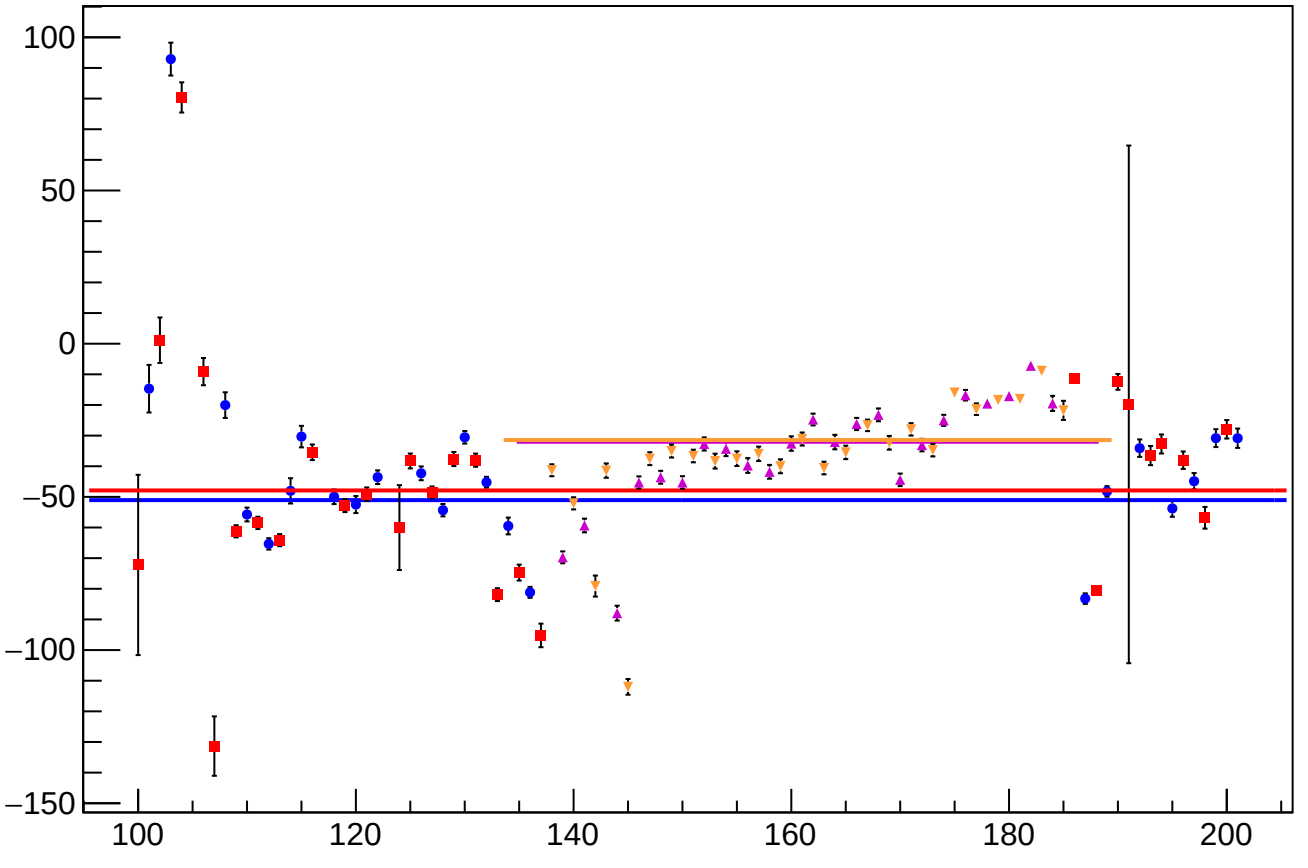
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.067+/-0.050 χ^2/NDF: 166107.4/50

In: 116.131+/-0.034 χ^2/NDF:91959.2/45

Out: 114.745+/-0.033 χ^2/NDF:102066.0/52

All: 115.420+/-0.024 χ^2/NDF: 194869.5/98



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: -47.898+/-0.434 χ^2/NDF: 4182.4/27

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

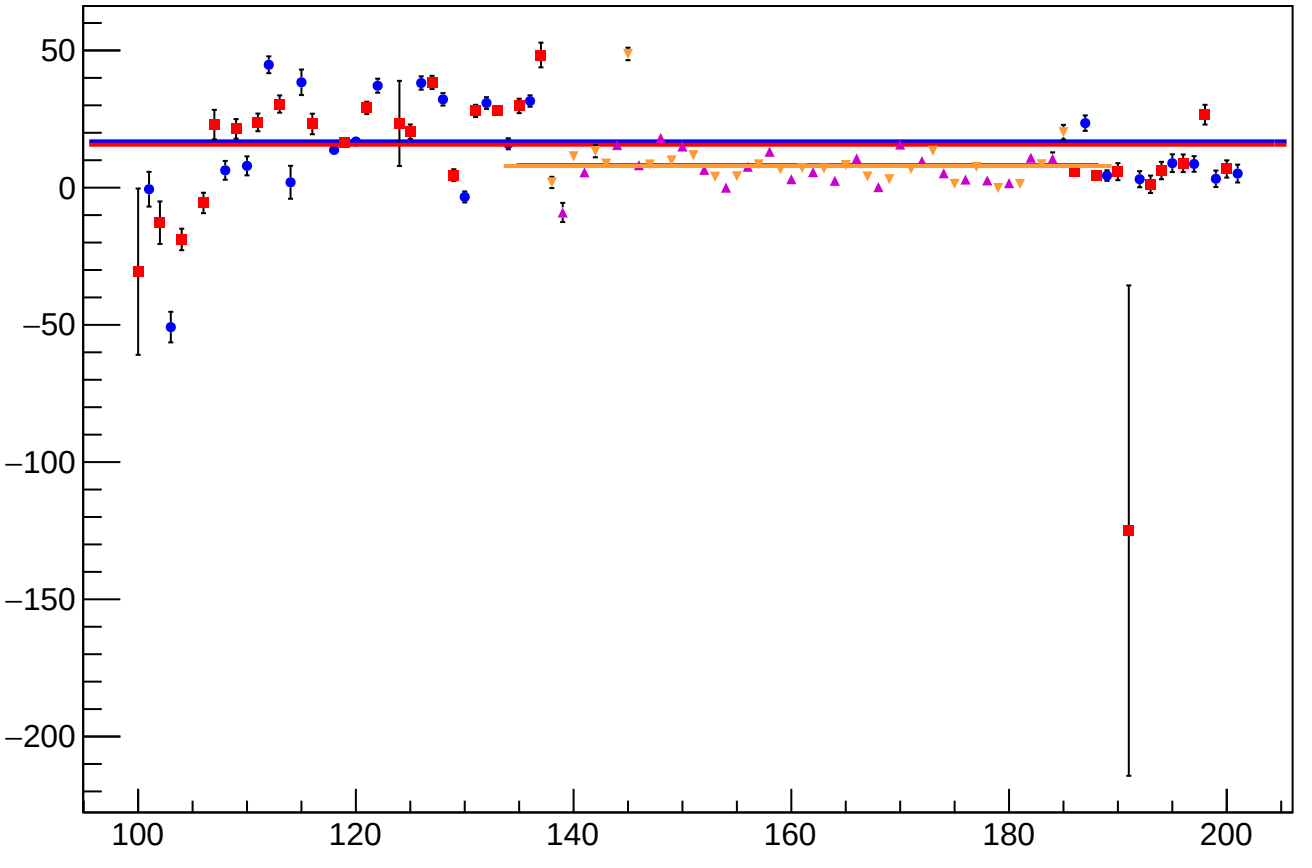
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.253+/-0.328 χ^2/NDF: 6015.5/50

In: -39.622+/-0.317 χ^2/NDF:4589.5/45

Out: -38.974+/-0.294 χ^2/NDF:6952.0/52

All: -39.273+/-0.216 χ^2/NDF: 11543.8/98



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: 15.653+/-0.483 χ^2/NDF: 682.1/27

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

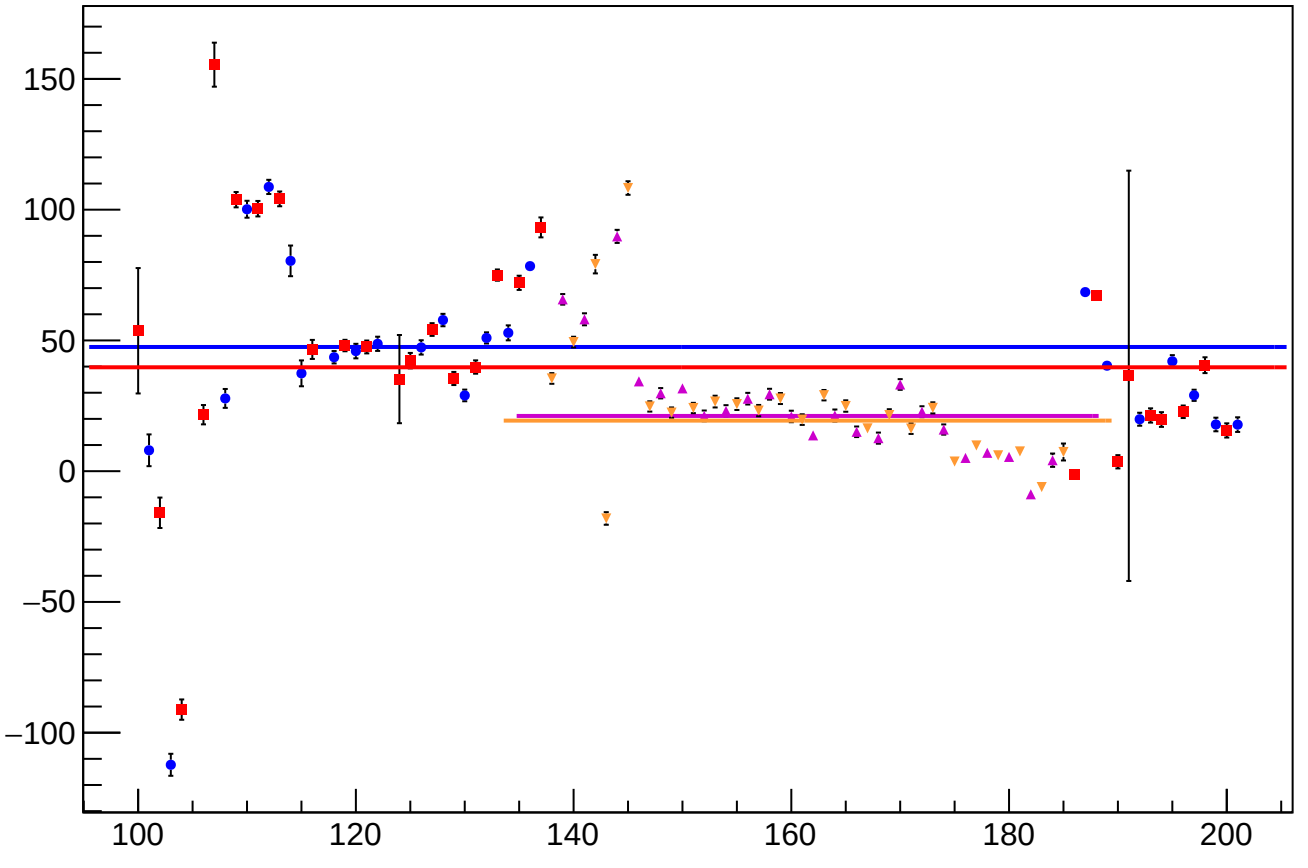
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 16.212+/-0.356 χ^2/NDF: 1466.3/50

In: 10.509+/-0.271 χ^2/NDF:1318.8/45

Out: 10.095+/-0.257 χ^2/NDF:1357.2/52

All: 10.291+/-0.186 χ^2/NDF: 2677.2/98



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: 39.729+/-0.415 χ^2/NDF: 7491.8/27

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

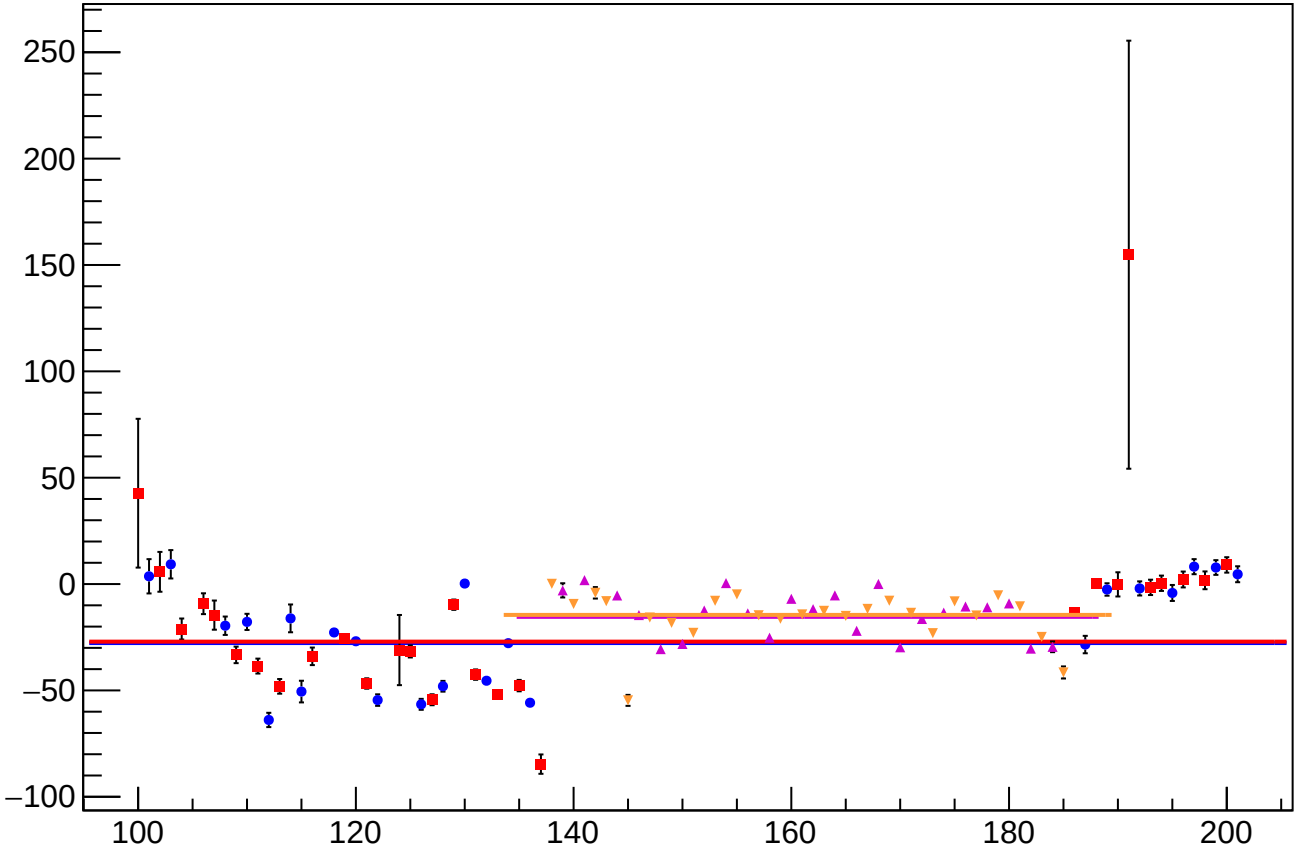
Right: 42.833+/-0.322 χ^2/NDF: 11032.6/50

In: 31.336+/-0.317 χ^2/NDF:7549.6/45

Out: 29.034+/-0.286 χ^2/NDF:11437.6/52

All: 30.069+/-0.212 χ^2/NDF: 19016.2/98

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -27.068+/-0.591 χ^2/NDF: 1324.8/27

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

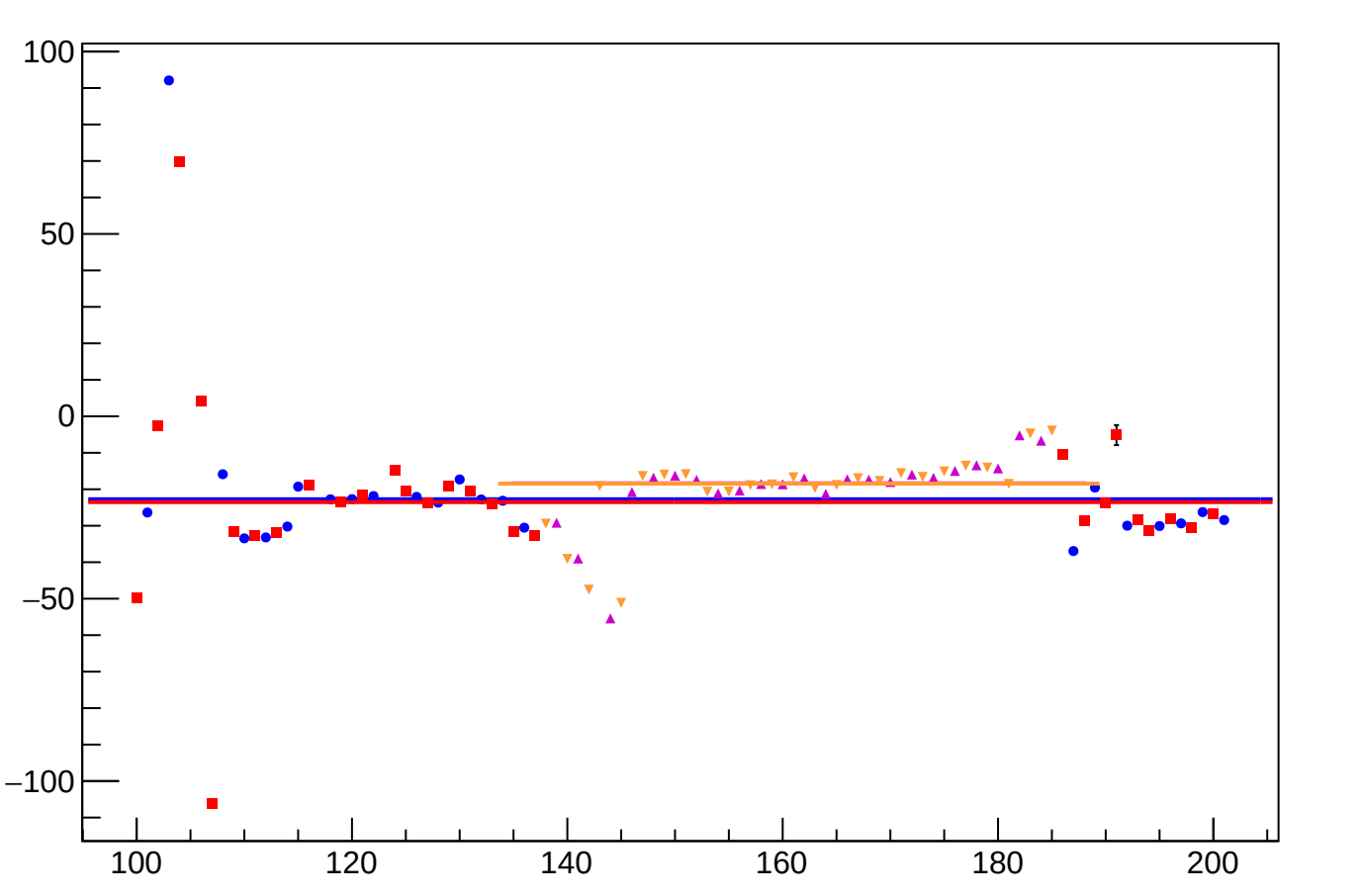
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -27.384+/-0.427 χ^2/NDF: 2665.7/50

In: -18.472+/-0.308 χ^2/NDF:2437.0/45

Out: -17.684+/-0.297 χ^2/NDF:2303.8/52

All: -18.064+/-0.214 χ^2/NDF: 4744.2/98



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: -23.527+/-0.031 χ^2/NDF: 378271.0/27

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

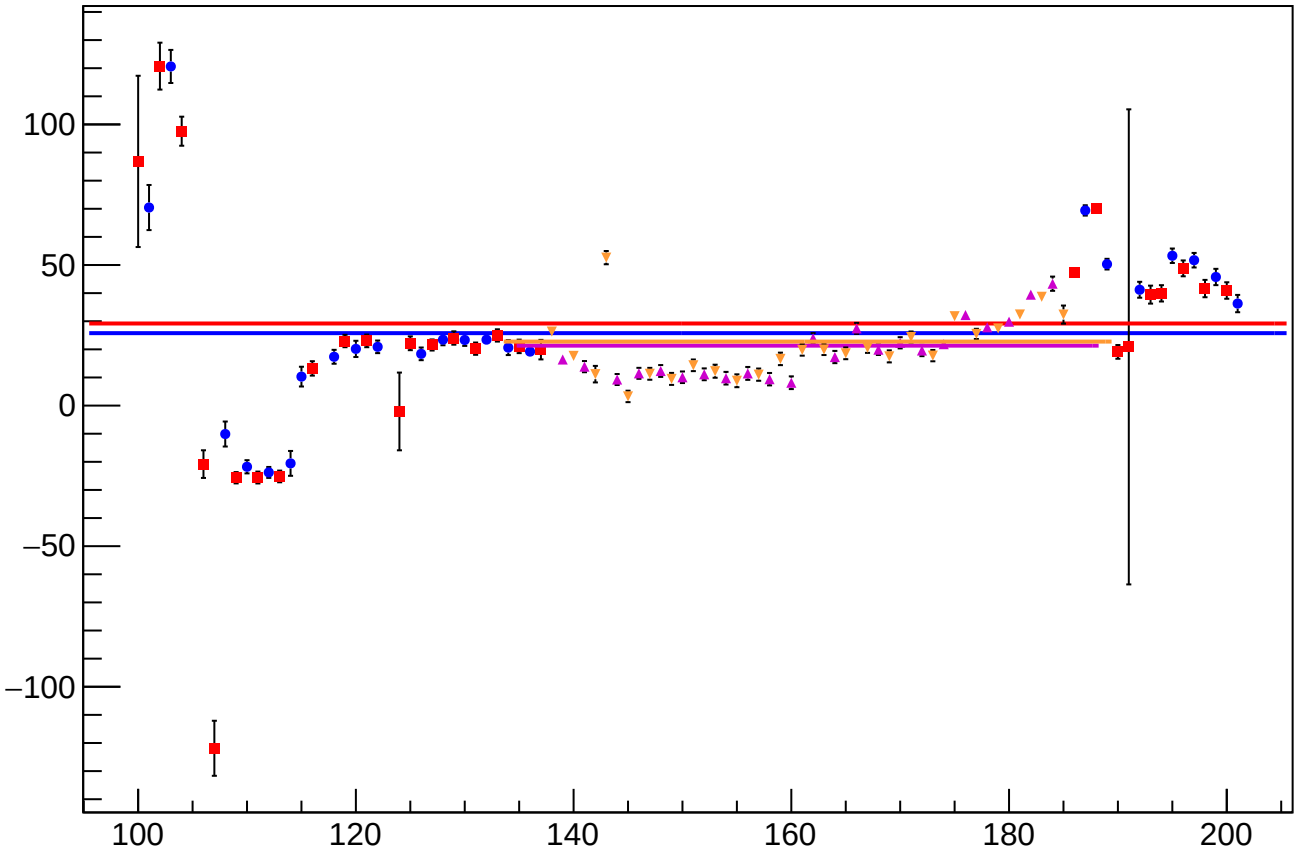
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -23.131+/-0.022 χ^2/NDF: 838363.4/50

In: -19.274+/-0.014 χ^2/NDF:725516.0/45

Out: -19.473+/-0.014 χ^2/NDF:695312.9/52

All: -19.375+/-0.010 χ^2/NDF: 1420931.4/98



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: 29.201+/-0.454 χ^2/NDF: 4639.2/27

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

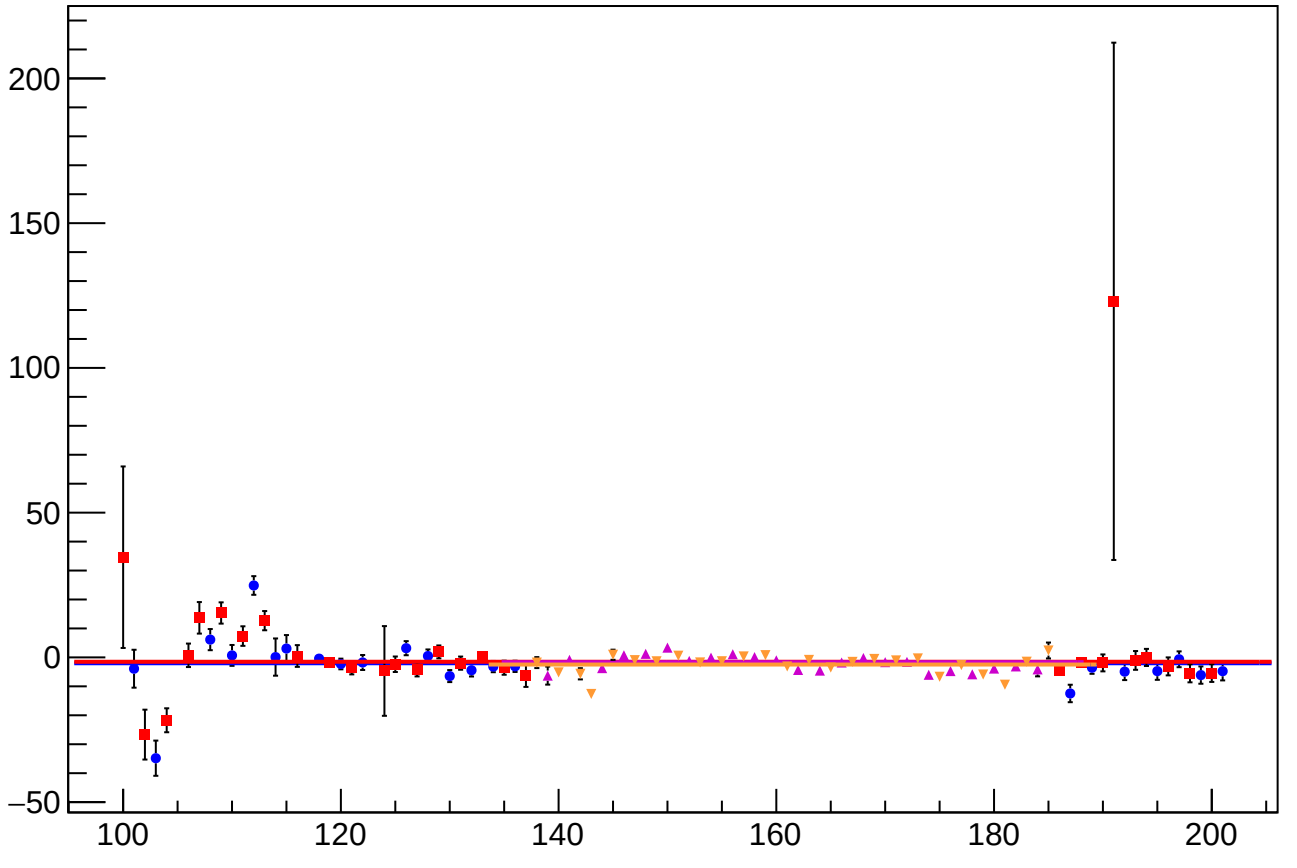
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 27.677+/-0.339 χ^2/NDF: 7294.9/50

In: 22.984+/-0.311 χ^2/NDF:3308.0/45

Out: 25.438+/-0.293 χ^2/NDF:5479.4/52

All: 24.285+/-0.213 χ^2/NDF: 8820.4/98



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: -1.509+/-0.503 χ^2/NDF: 105.3/27

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

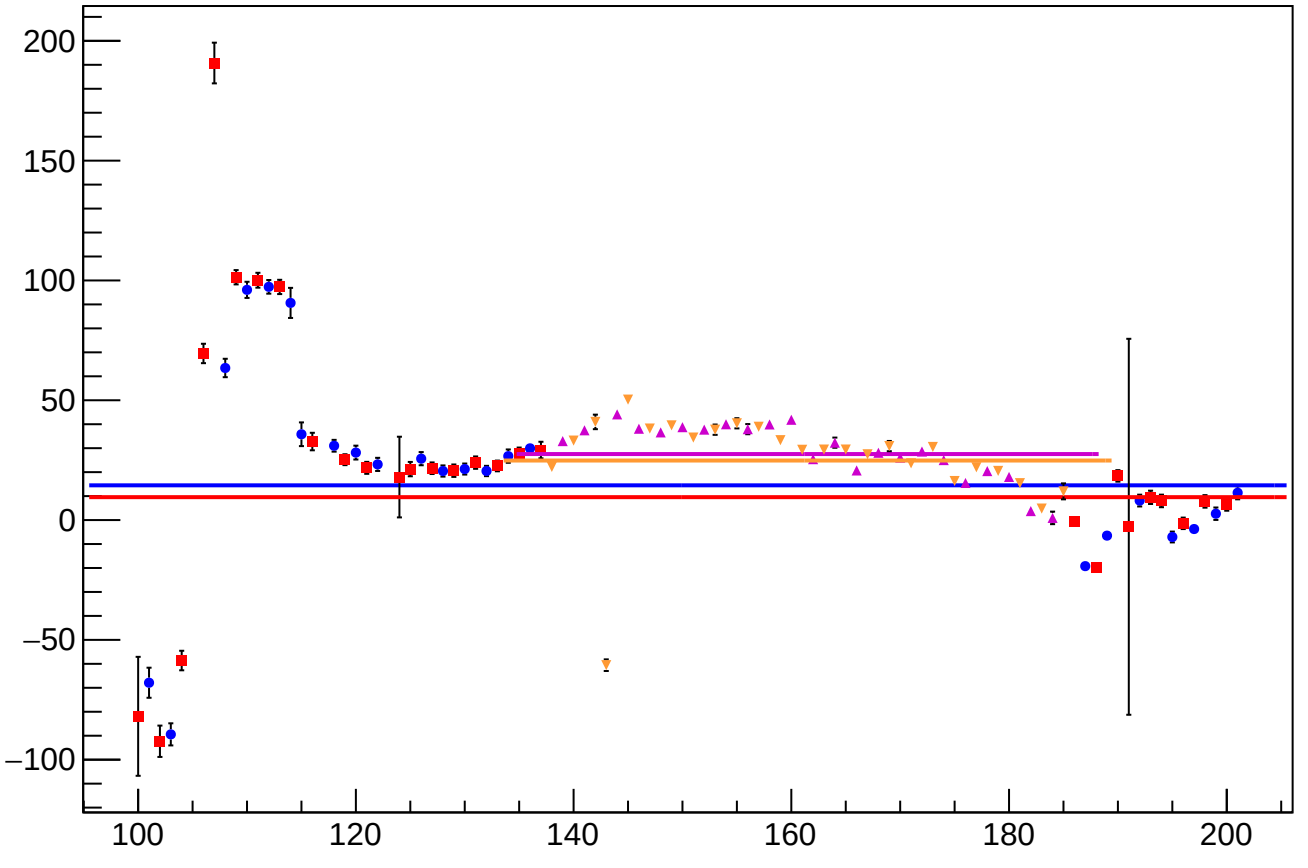
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.752+/-0.366 χ^2/NDF: 242.1/50

In: -1.749+/-0.264 χ^2/NDF:206.9/45

Out: -2.225+/-0.253 χ^2/NDF:224.7/52

All: -1.997+/-0.183 χ^2/NDF: 433.3/98



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: 9.561+/-0.441 χ^2/NDF: 5480.8/27

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

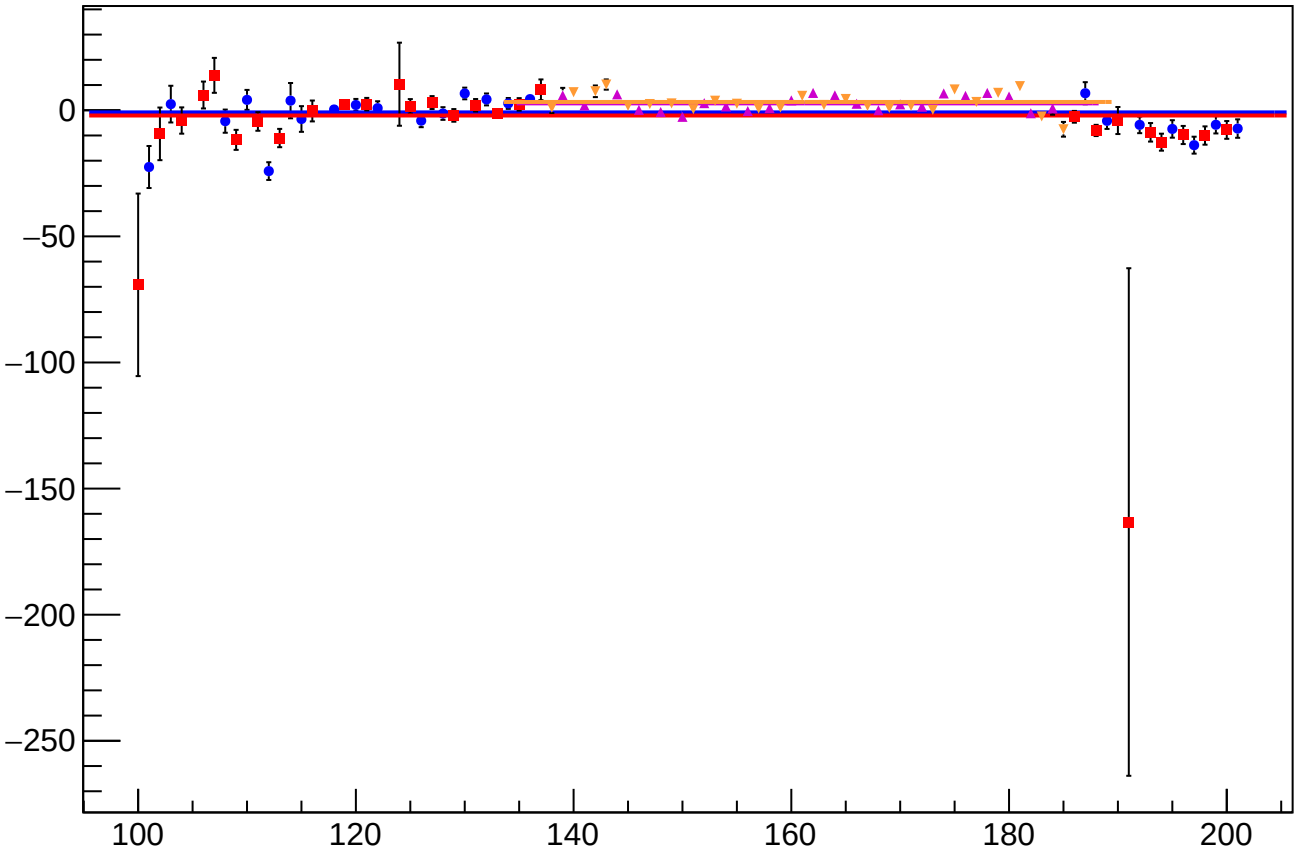
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.636+/-0.336 χ^2/NDF: 9055.6/50

In: 22.847+/-0.311 χ^2/NDF:4810.0/45

Out: 18.343+/-0.288 χ^2/NDF:8219.3/52

All: 20.421+/-0.211 χ^2/NDF: 13142.3/98



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: -2.079+/-0.607 χ^2/NDF: 86.0/27

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

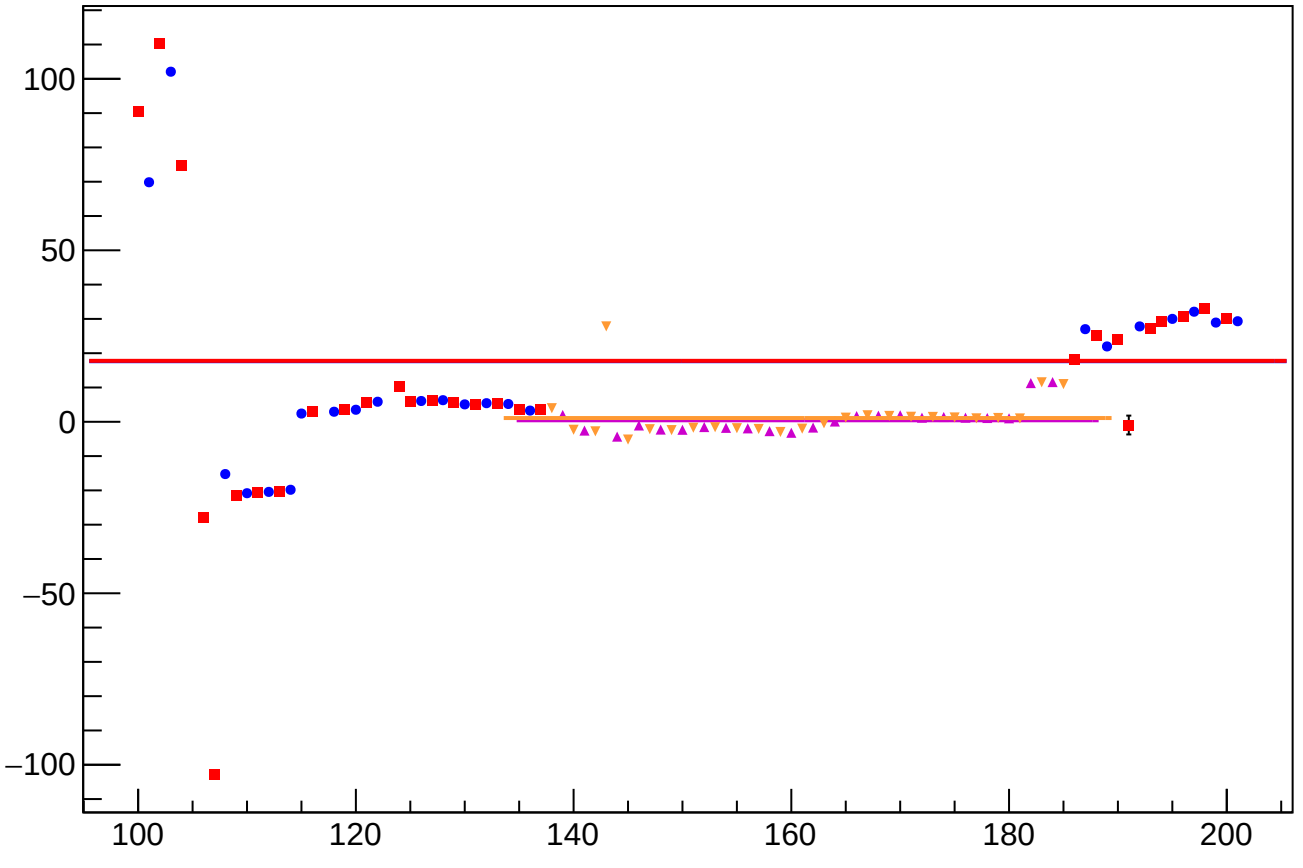
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.478+/-0.434 χ^2/NDF: 200.9/50

In: 1.898+/-0.300 χ^2/NDF:212.8/45

Out: 2.056+/-0.291 χ^2/NDF:252.5/52

All: 1.979+/-0.209 χ^2/NDF: 465.5/98



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: 17.773+/-0.031 χ^2/NDF: 595409.0/27

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

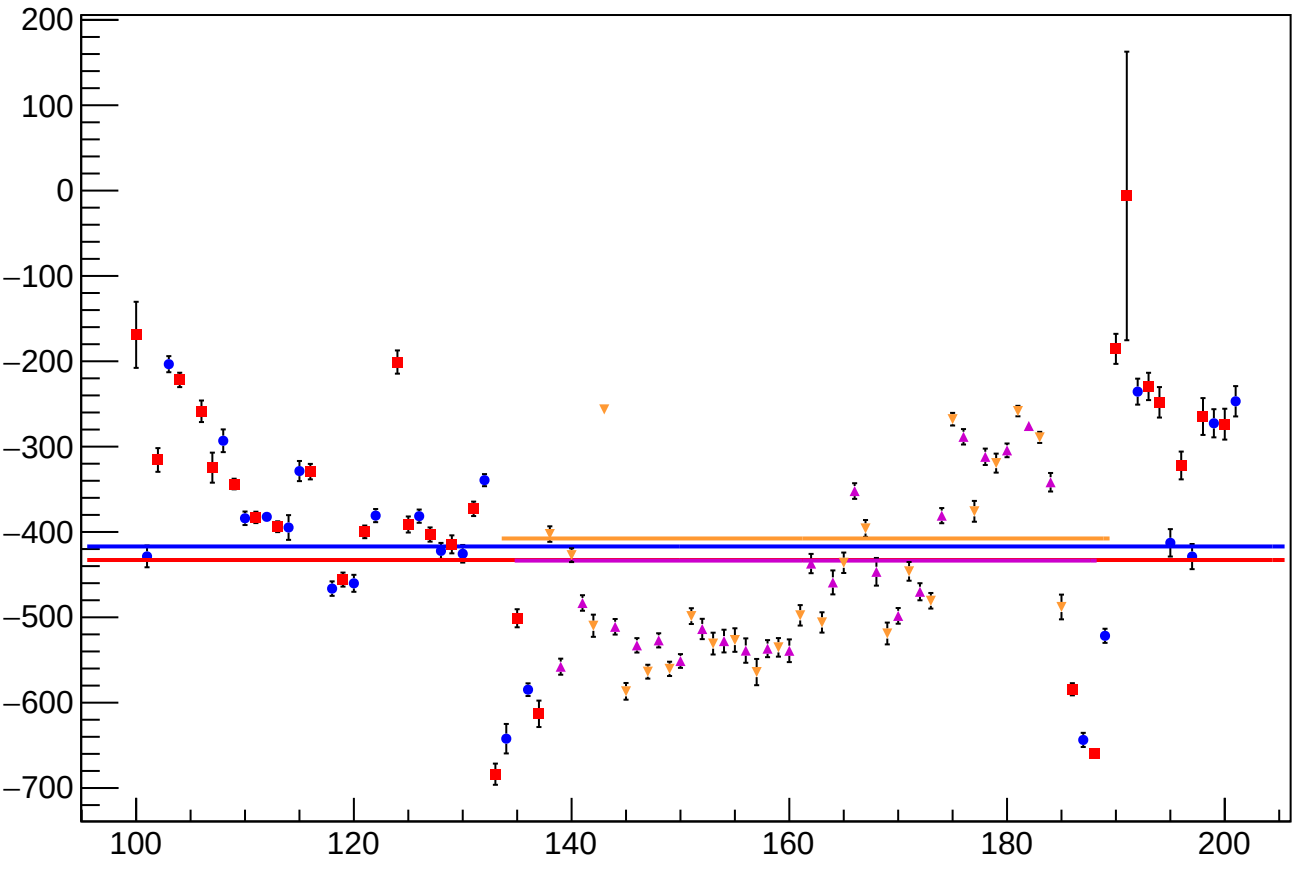
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 17.719+/-0.022 χ^2/NDF: 1049052.5/50

In: 3.840+/-0.014 χ^2/NDF:764110.0/45

Out: 4.268+/-0.013 χ^2/NDF:964648.0/52

All: 4.056+/-0.009 χ^2/NDF: 1729266.0/98



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: -432.844+/-1.789 χ^2/NDF: 6168.7/27

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

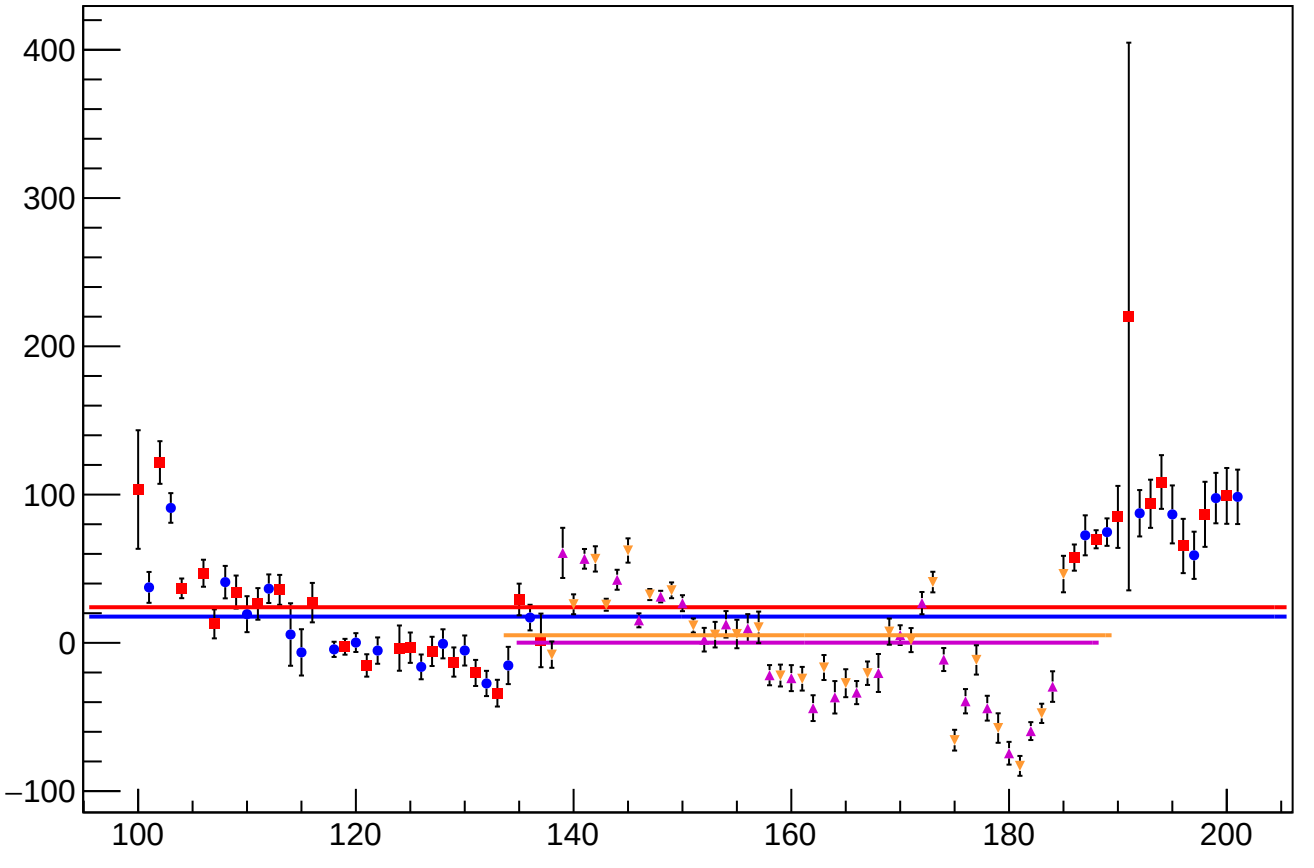
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -425.806+/-1.335 χ^2/NDF: 9028.1/50

In: -425.299+/-1.414 χ^2/NDF:5583.4/45

Out: -420.773+/-1.292 χ^2/NDF:10269.4/52

All: -422.833+/-0.954 χ^2/NDF: 15858.4/98



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: 24.026+/-1.947 χ^2/NDF: 367.5/27

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

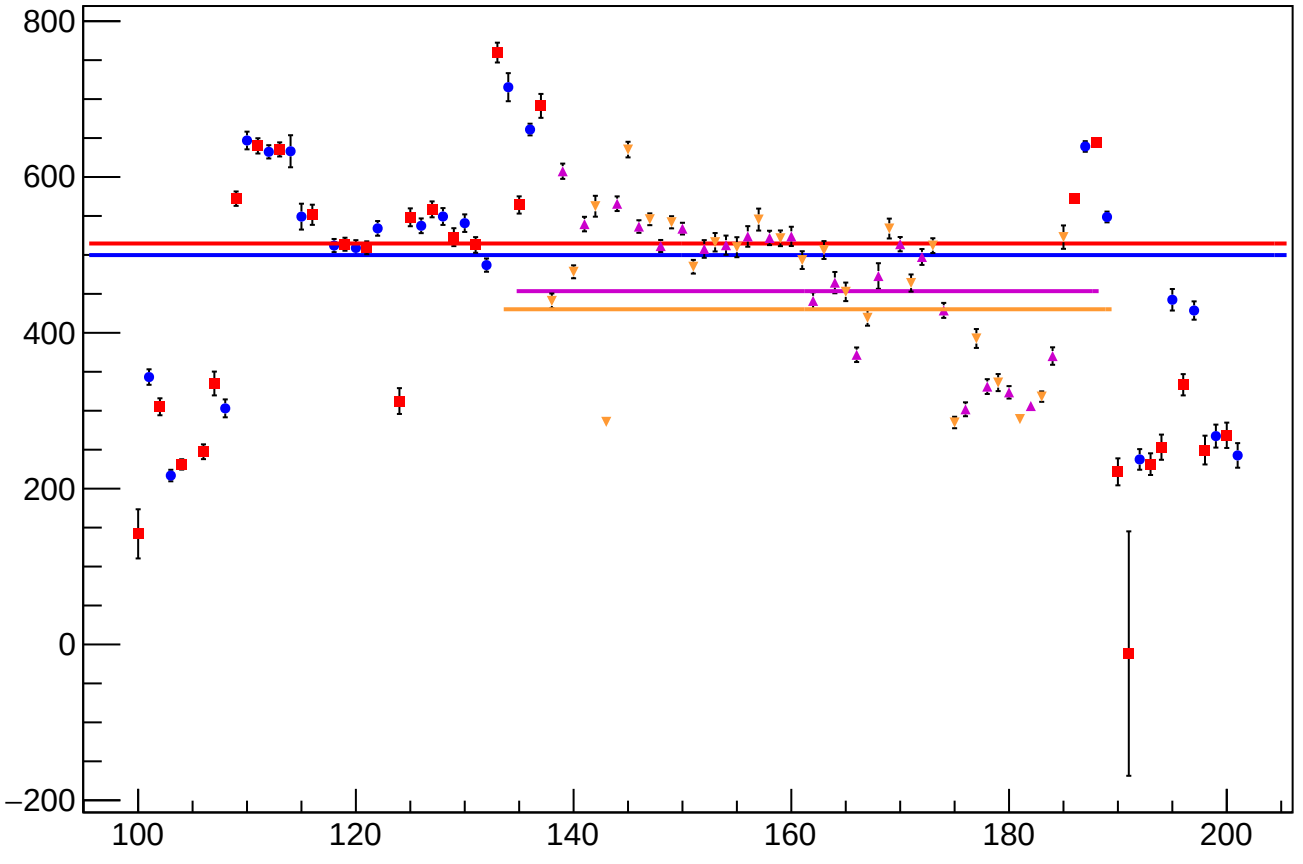
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 21.089+/-1.424 χ^2/NDF: 668.5/50

In: 6.052+/-1.213 χ^2/NDF:911.7/45

Out: 11.439+/-1.125 χ^2/NDF:1119.4/52

All: 8.947+/-0.825 χ^2/NDF: 2041.7/98



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: 514.652+/-1.798 χ^2/NDF: 7393.6/27

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

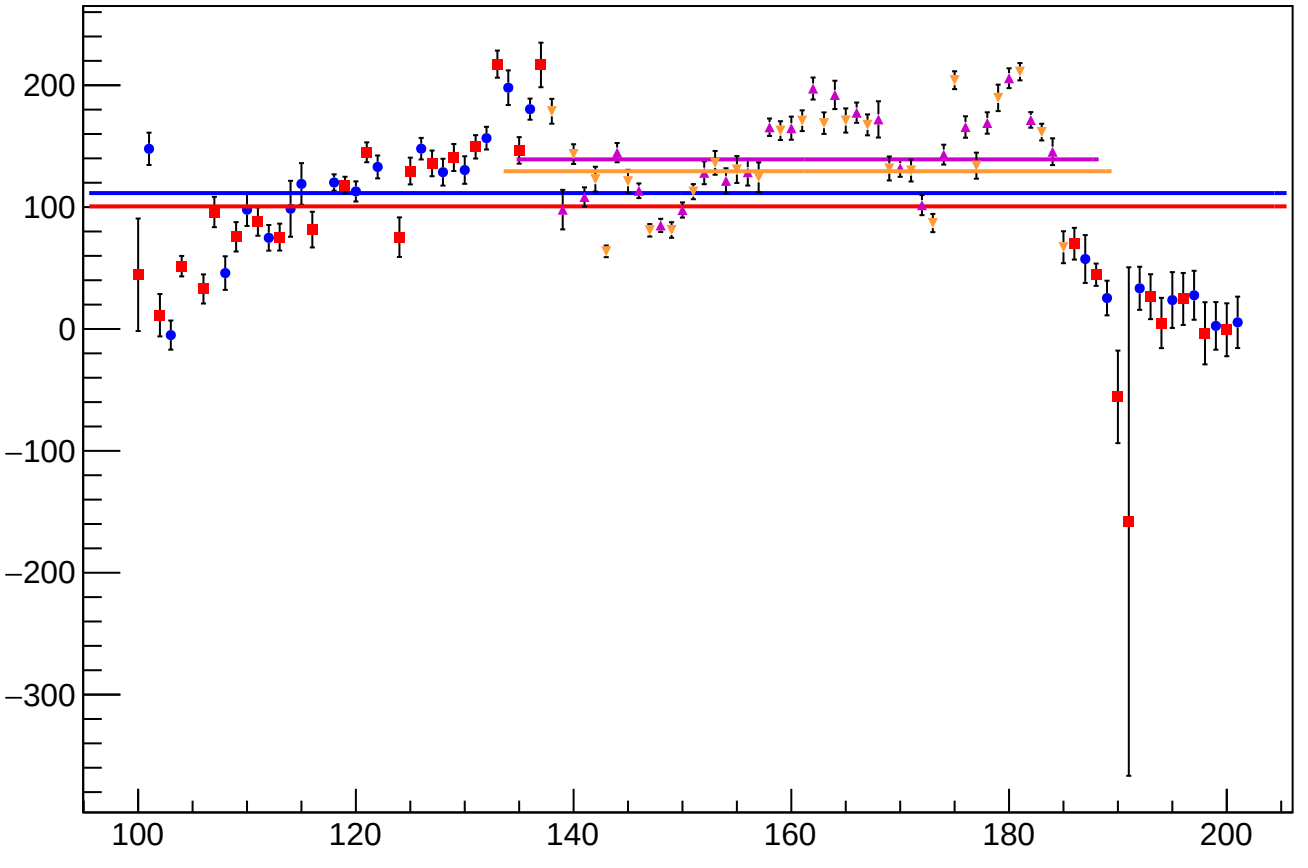
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 508.308+/-1.362 χ^2/NDF: 11986.7/50

In: 475.376+/-1.433 χ^2/NDF:7243.5/45

Out: 473.895+/-1.293 χ^2/NDF:11862.7/52

All: 474.559+/-0.960 χ^2/NDF: 19106.8/98



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: 100.607+/-2.330 χ^2/NDF: 520.7/27

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

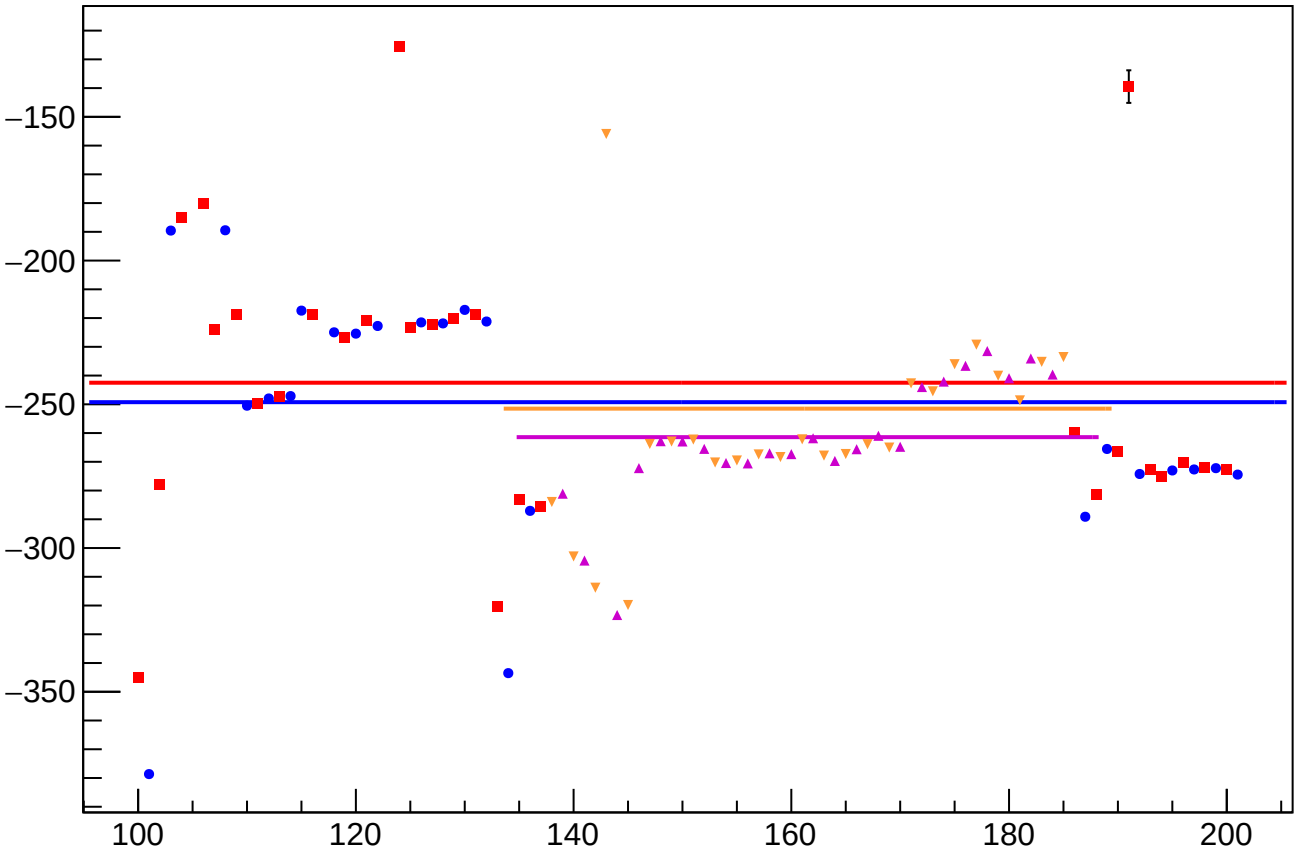
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 105.760+/-1.693 χ^2/NDF: 974.9/50

In: 130.205+/-1.402 χ^2/NDF:963.2/45

Out: 120.247+/-1.315 χ^2/NDF:1439.2/52

All: 124.908+/-0.959 χ^2/NDF: 2429.3/98



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: -242.490+/-0.124 χ^2/NDF: 109258.4/27

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

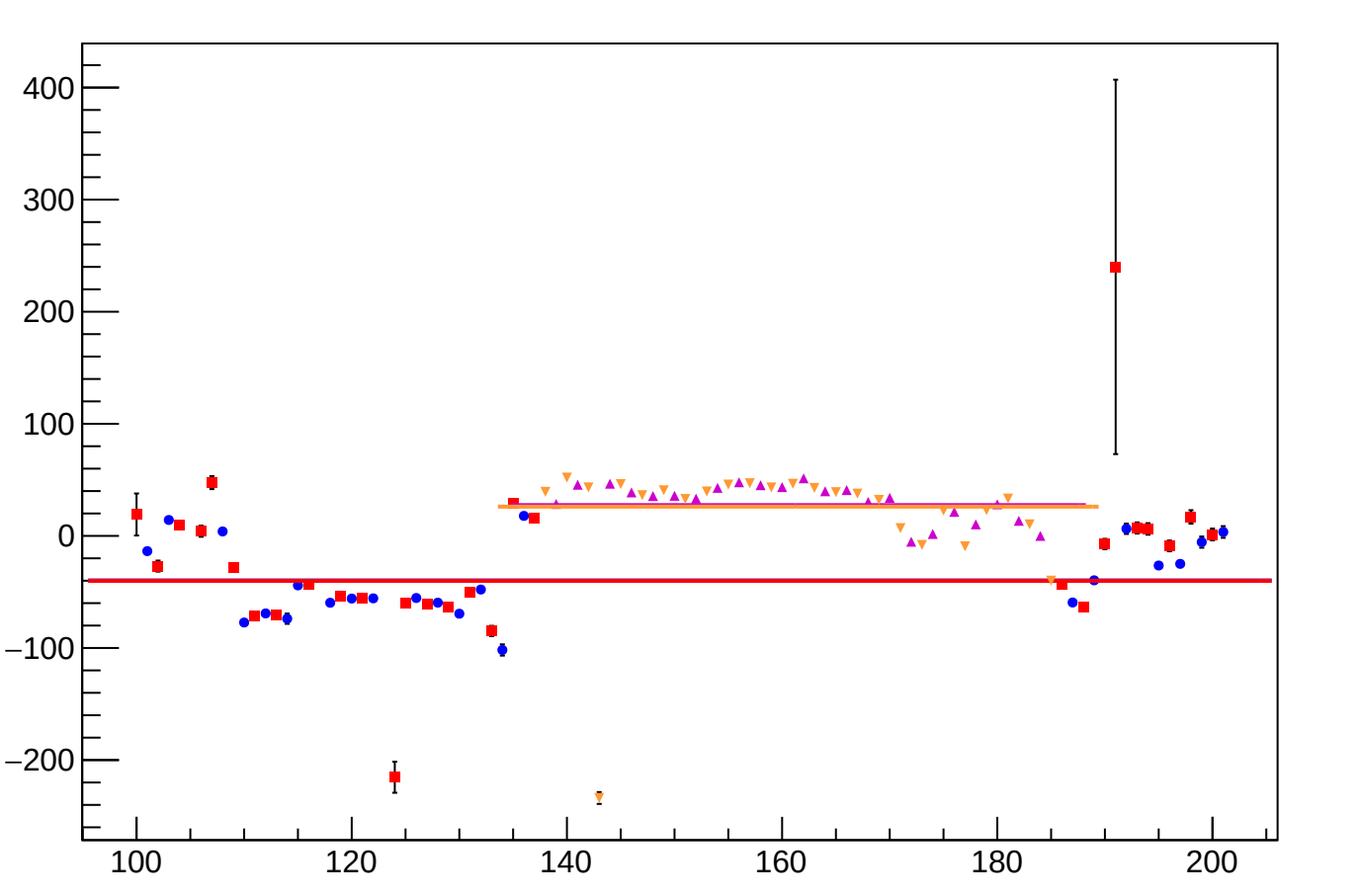
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

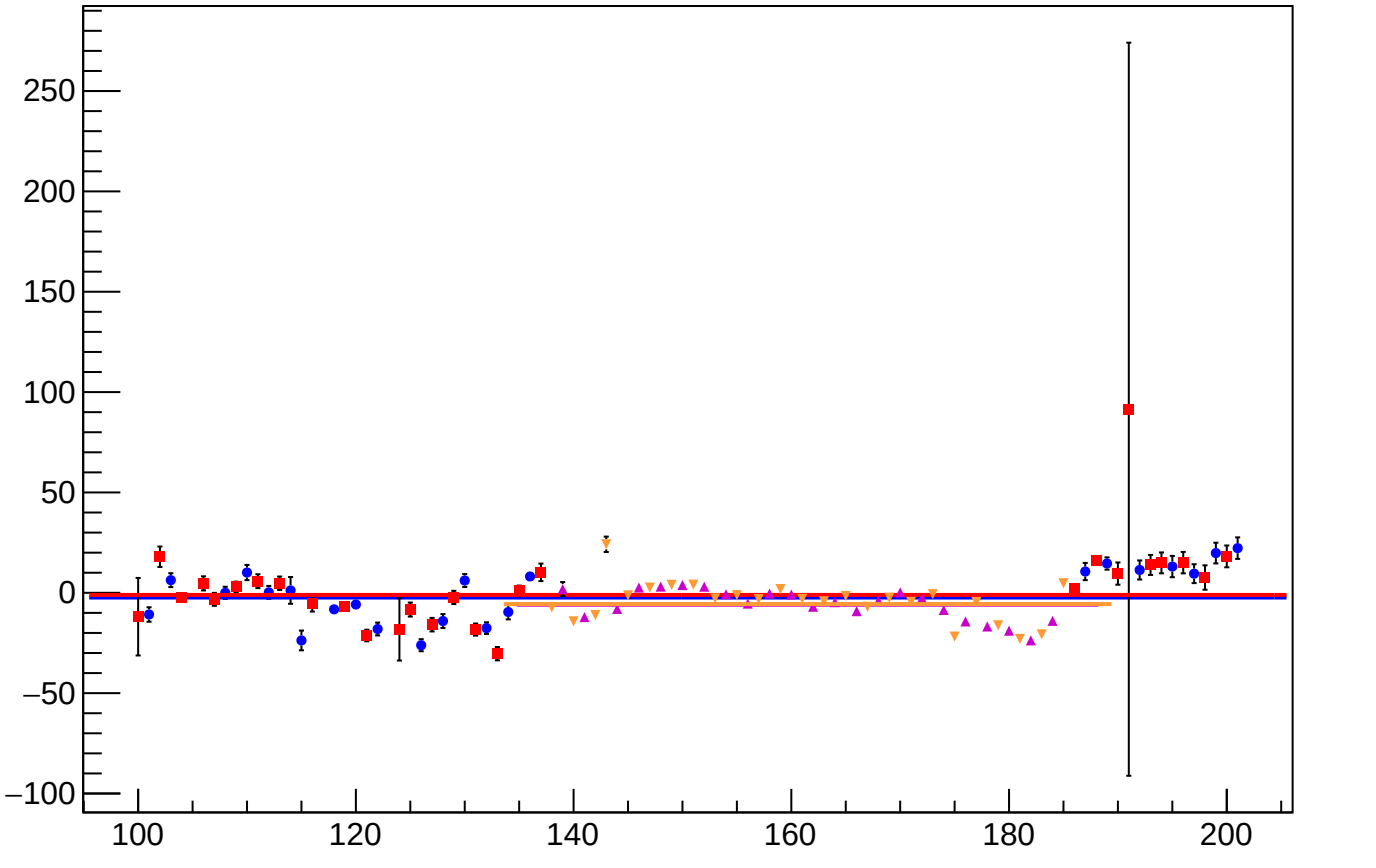
Right: -245.748+/-0.089 χ^2/NDF: 257944.5/50

In: -258.161+/-0.067 χ^2/NDF:223356.7/45

Out: -249.110+/-0.064 χ^2/NDF:368070.2/52

All: -253.447+/-0.046 χ^2/NDF: 601040.4/98


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: -40.063+/-0.559 χ²/NDF: 3147.8/27
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -39.952+/-0.422 χ²/NDF: 5853.3/50
In: 8.998+/-0.337 χ²/NDF:12245.4/45
Out: 4.433+/-0.320 χ²/NDF:17365.4/52
All: 6.594+/-0.232 χ²/NDF: 29707.4/98



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: -1.057+/-0.633 χ^2/NDF: 342.9/27

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

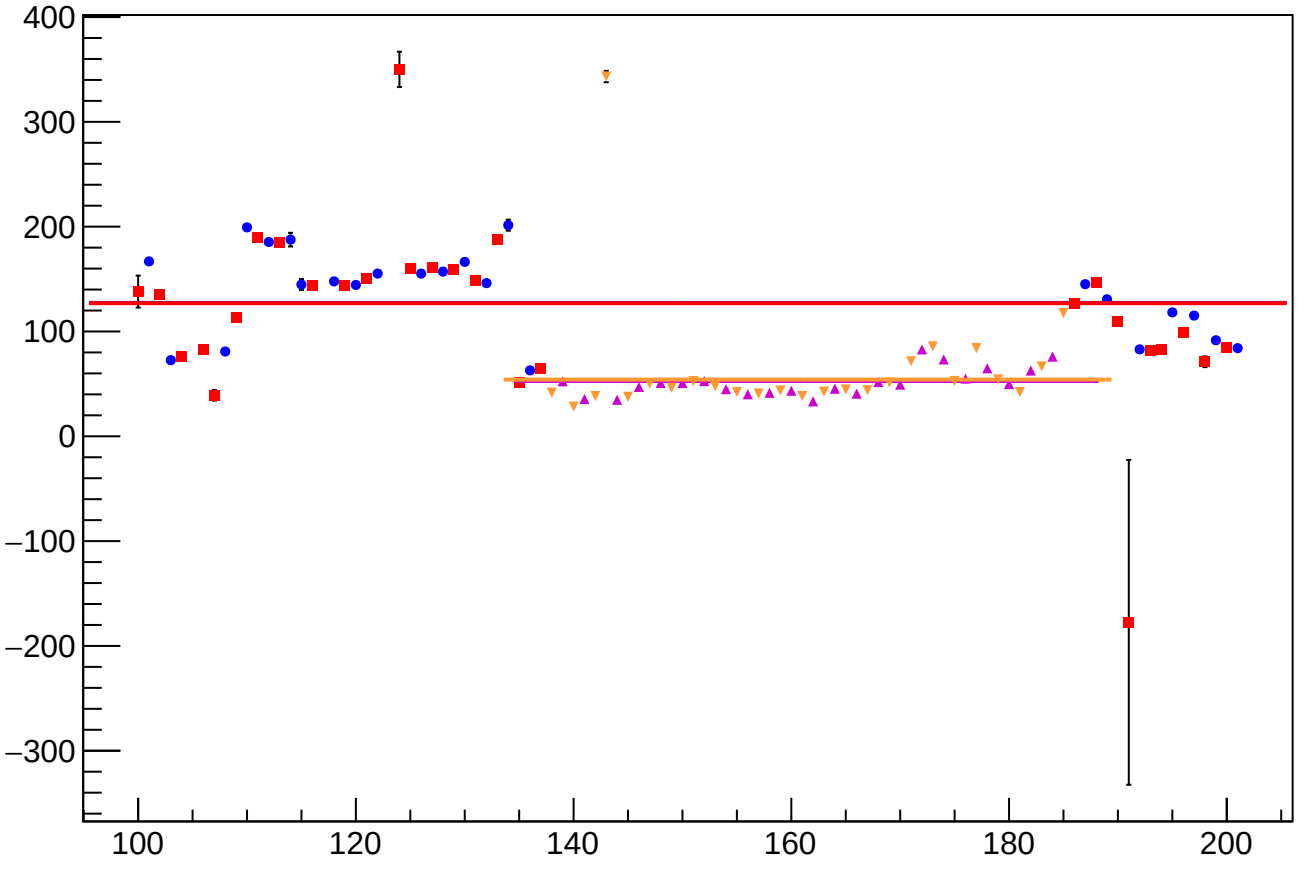
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.655+/-0.466 χ^2/NDF: 663.7/50

In: -5.336+/-0.282 χ^2/NDF:1053.7/45

Out: -4.780+/-0.273 χ^2/NDF:1278.6/52

All: -5.049+/-0.196 χ^2/NDF: 2334.4/98



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: 127.002+/-0.564 χ^2/NDF: 4246.4/27

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

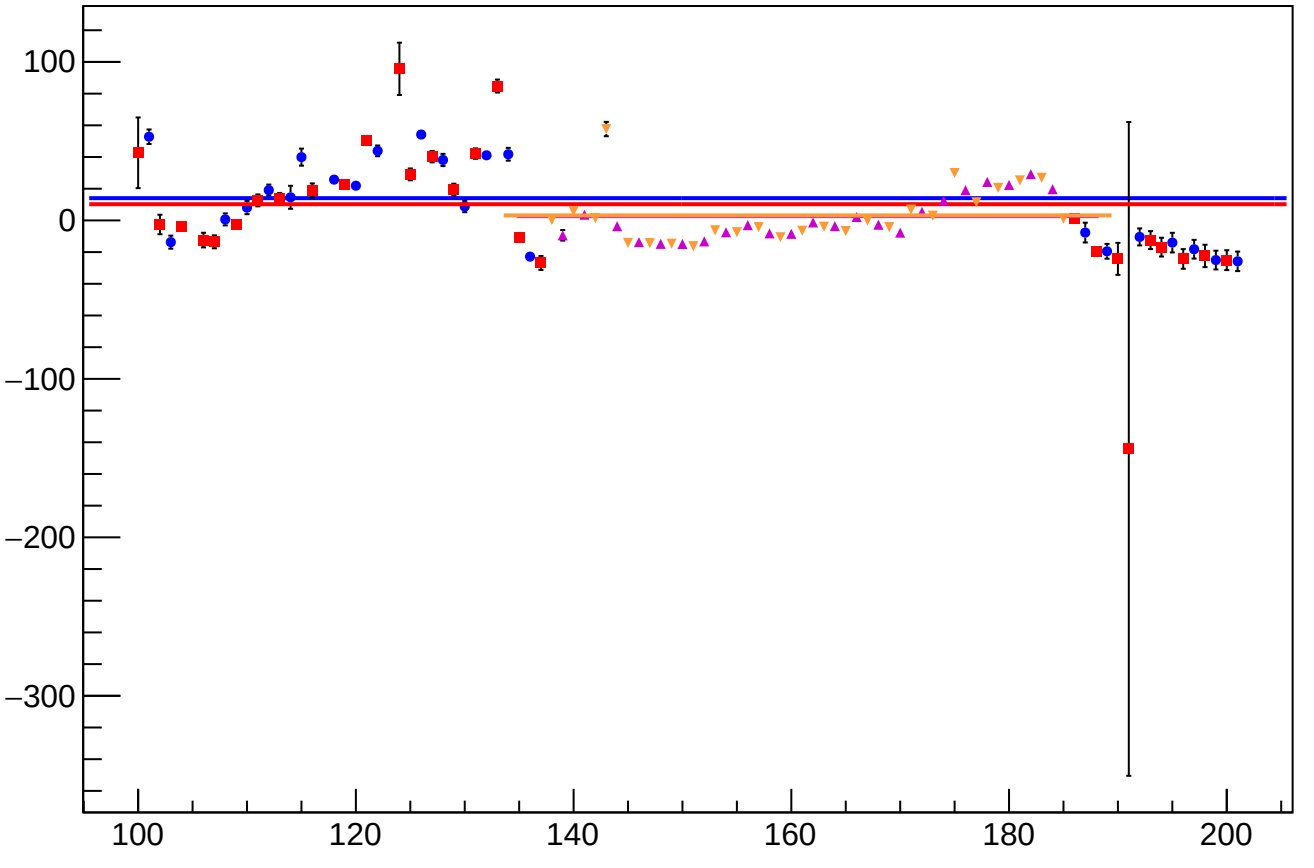
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 127.106+/-0.430 χ^2/NDF: 8240.6/50

In: 72.068+/-0.338 χ^2/NDF:14280.8/45

Out: 77.478+/-0.319 χ^2/NDF:20187.1/52

All: 74.927+/-0.232 χ^2/NDF: 34603.3/98



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: 10.222+/-0.756 χ^2/NDF: 1224.6/27

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

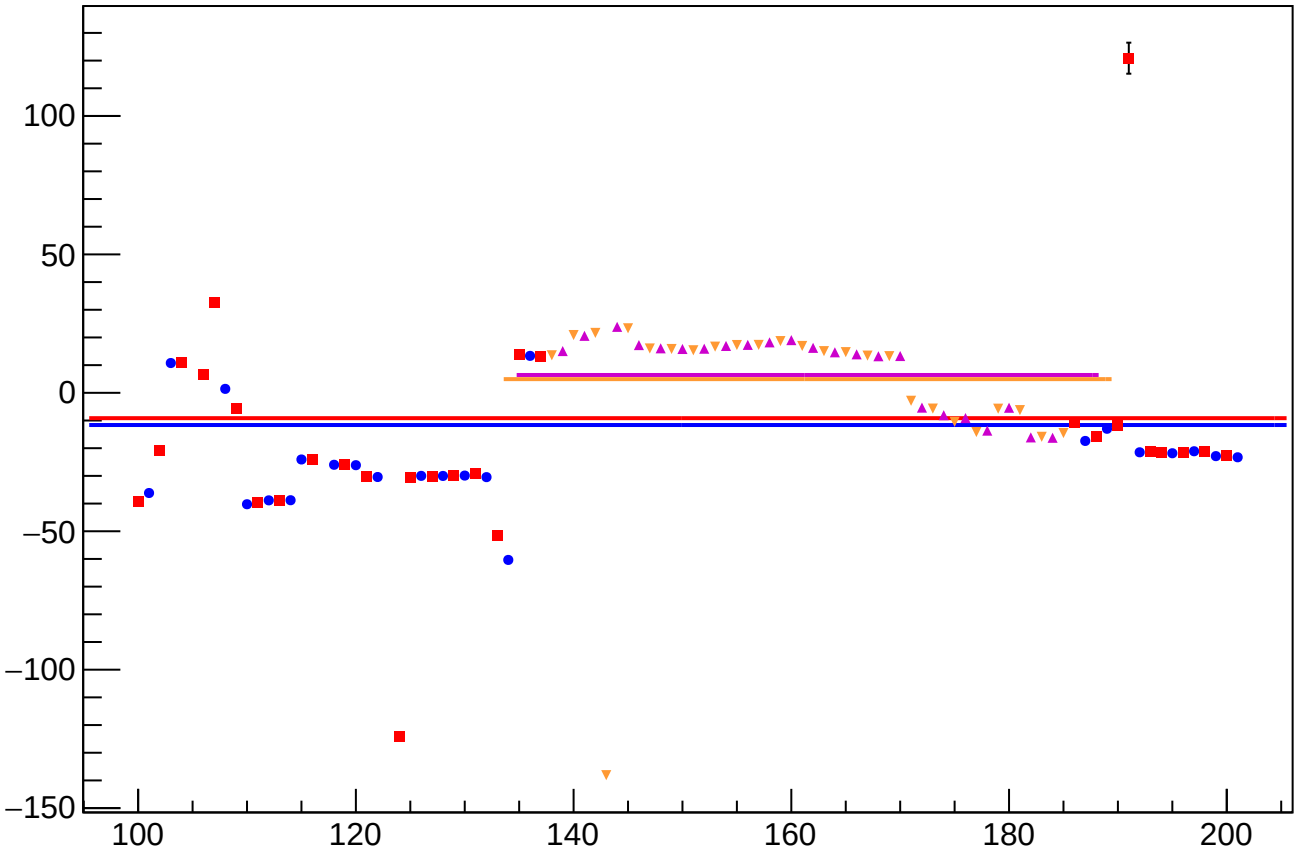
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 12.027+/-0.549 χ^2/NDF: 2348.3/50

In: 4.517+/-0.318 χ^2/NDF:3015.8/45

Out: 4.343+/-0.310 χ^2/NDF:3309.7/52

All: 4.428+/-0.222 χ^2/NDF: 6325.6/98



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: -9.154+/-0.038 χ^2/NDF: 263670.9/27

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

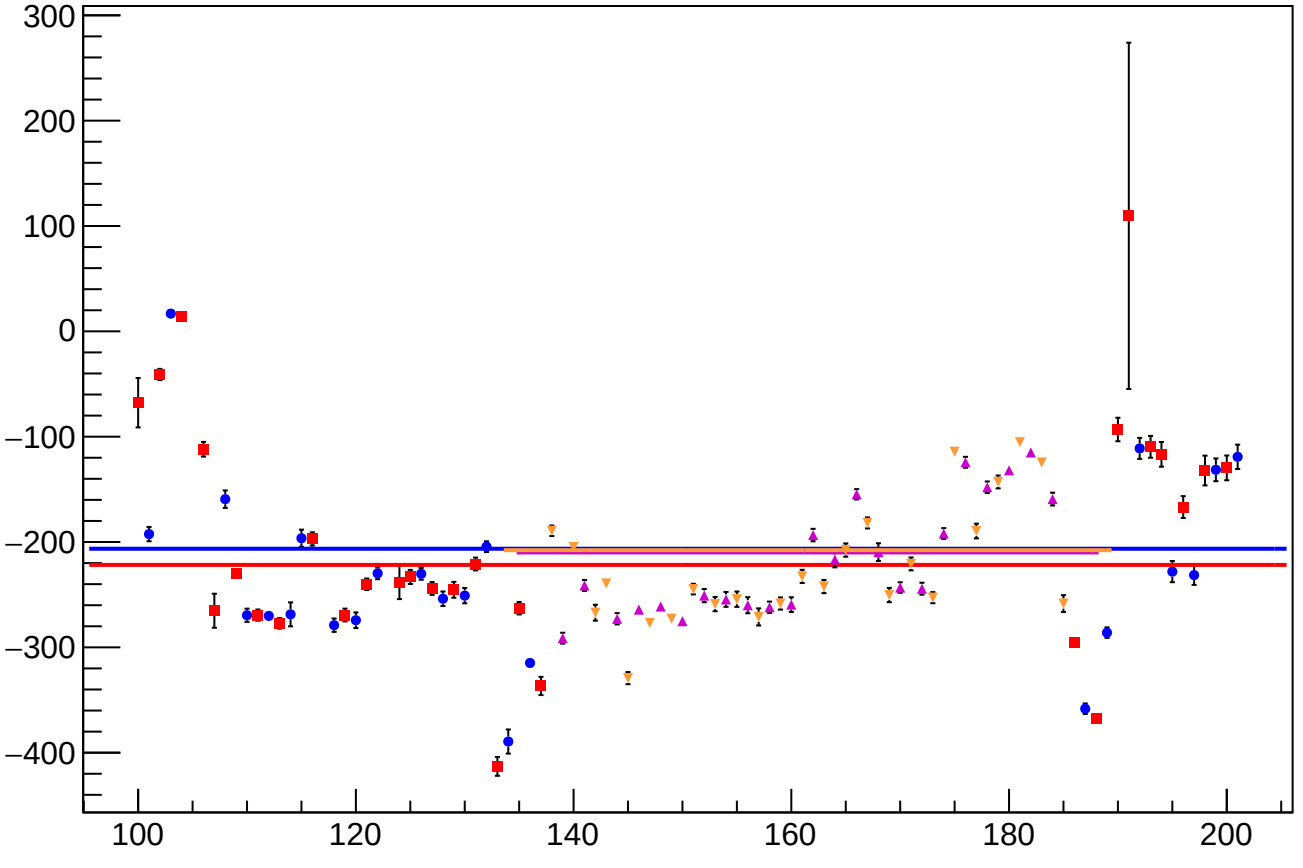
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -10.380+/-0.027 χ^2/NDF: 557343.7/50

In: 4.006+/-0.014 χ^2/NDF:1208663.5/45

Out: 3.040+/-0.014 χ^2/NDF:1516205.0/52

All: 3.519+/-0.010 χ^2/NDF: 2727177.0/98



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: -221.728+/-1.131 χ^2/NDF: 12068.2/27

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

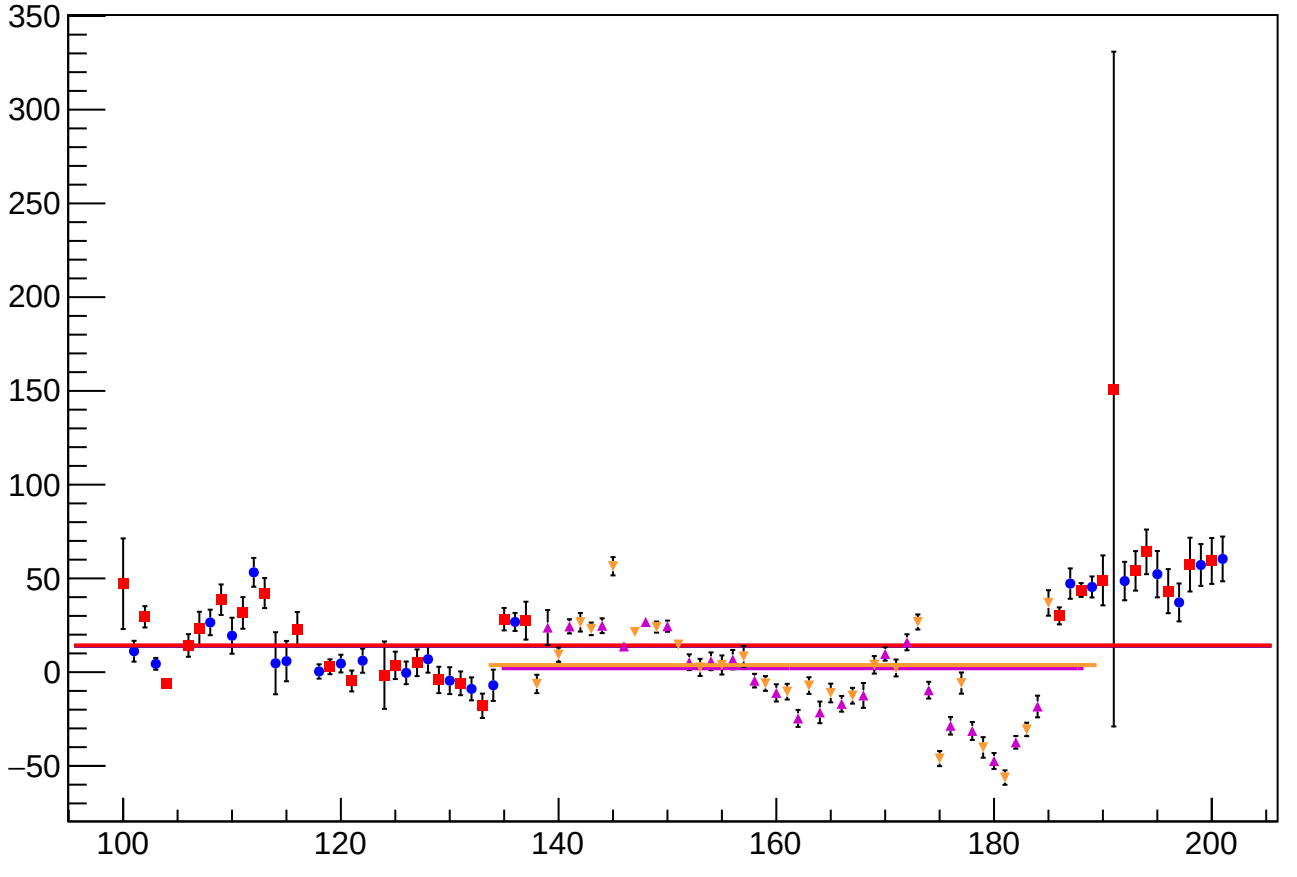
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.911+/-0.843 χ^2/NDF: 20875.0/50

In: -208.365+/-0.831 χ^2/NDF:11741.1/45

Out: -214.349+/-0.777 χ^2/NDF:15636.1/52

All: -211.557+/-0.567 χ^2/NDF: 27404.9/98



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: 14.234+/-1.189 χ^2/NDF: 324.4/27

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

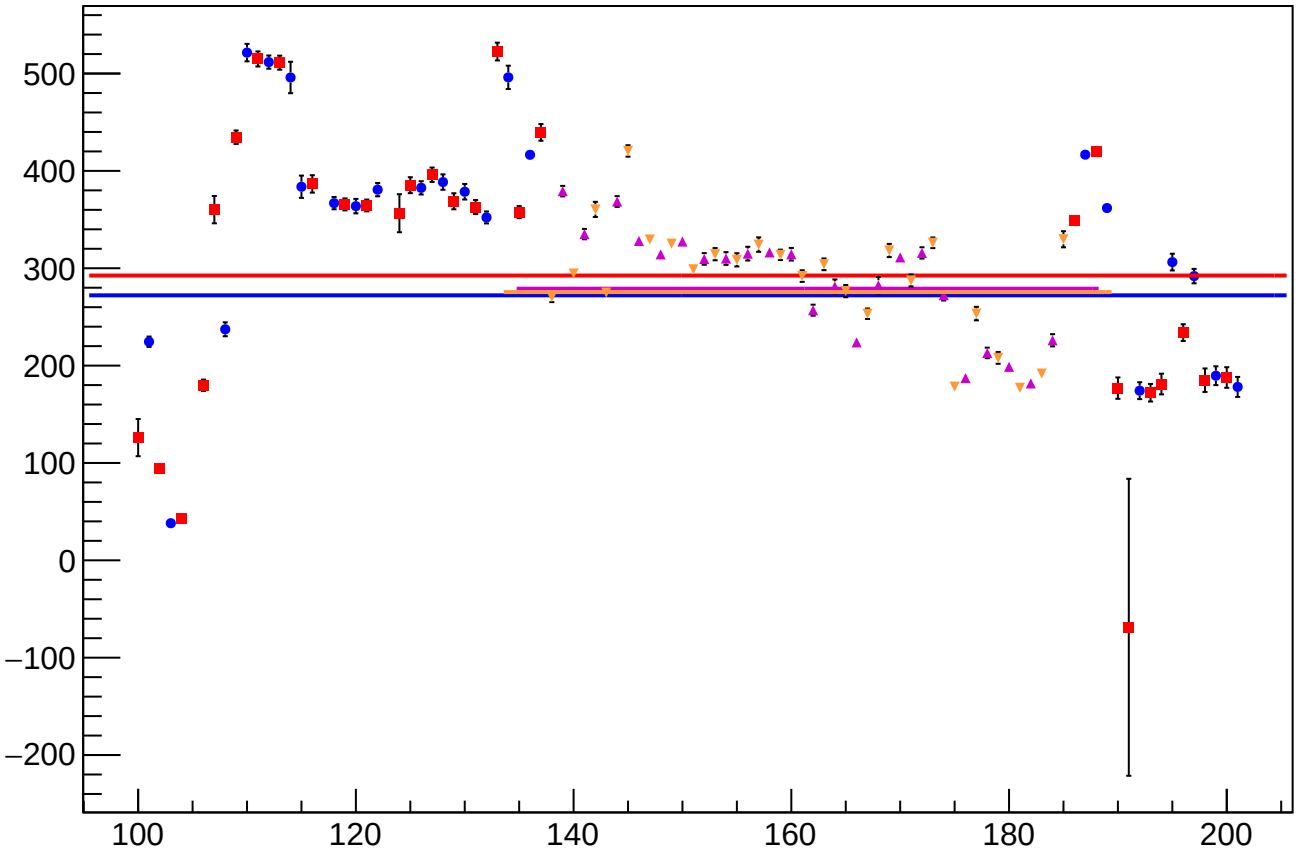
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 14.143+/-0.884 χ^2/NDF: 528.2/50

In: 5.397+/-0.697 χ^2/NDF:1033.0/45

Out: 6.958+/-0.656 χ^2/NDF:1350.4/52

All: 6.224+/-0.478 χ^2/NDF: 2386.0/98



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: 292.518+/-1.056 χ^2/NDF: 21719.5/27

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

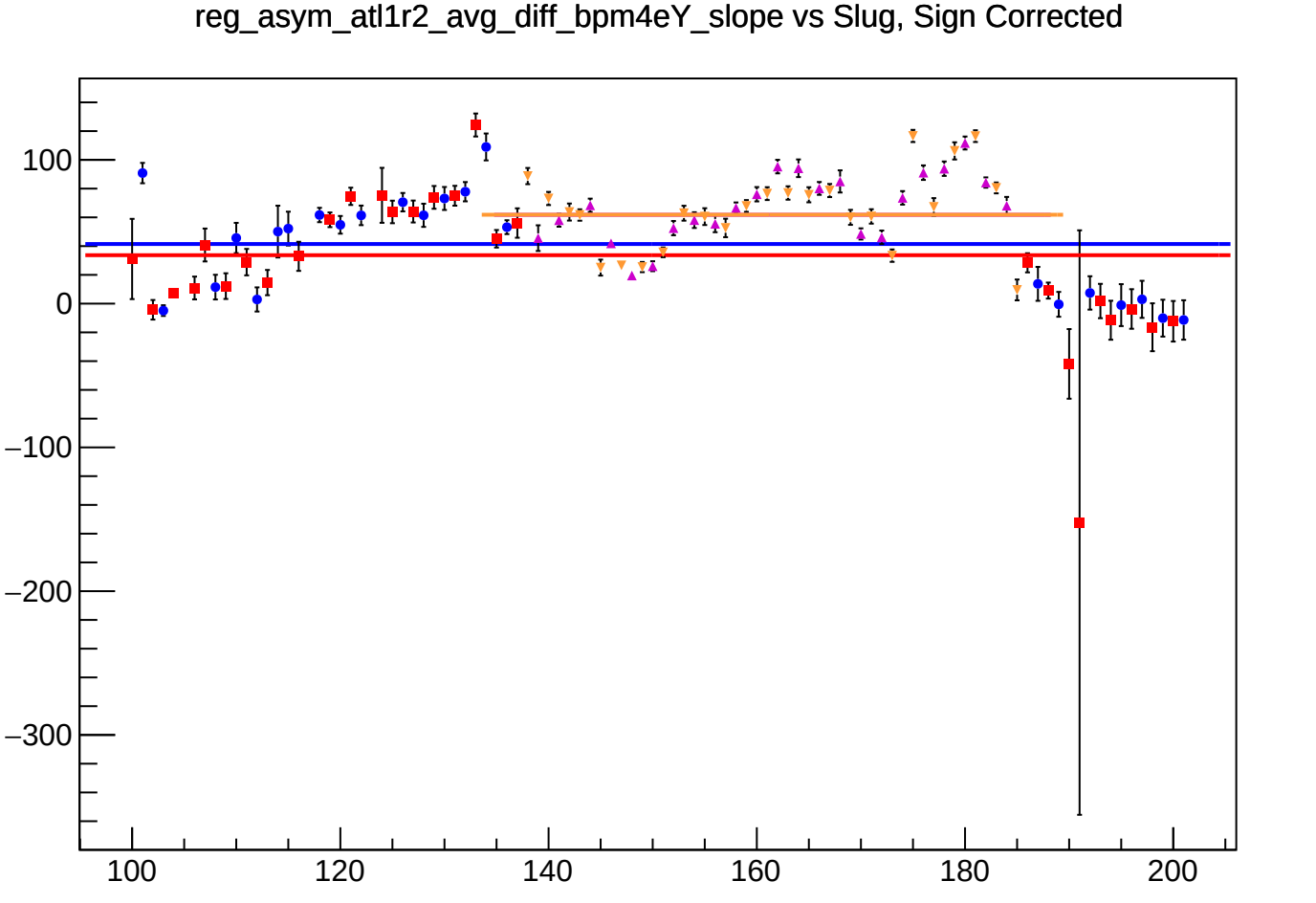
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.767+/-0.797 χ^2/NDF: 39459.6/50

In: 275.960+/-0.811 χ^2/NDF:20712.8/45

Out: 284.072+/-0.749 χ^2/NDF:25171.2/52

All: 280.338+/-0.550 χ^2/NDF: 45937.9/98



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: 33.688+/-1.450 χ^2/NDF: 504.1/27

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

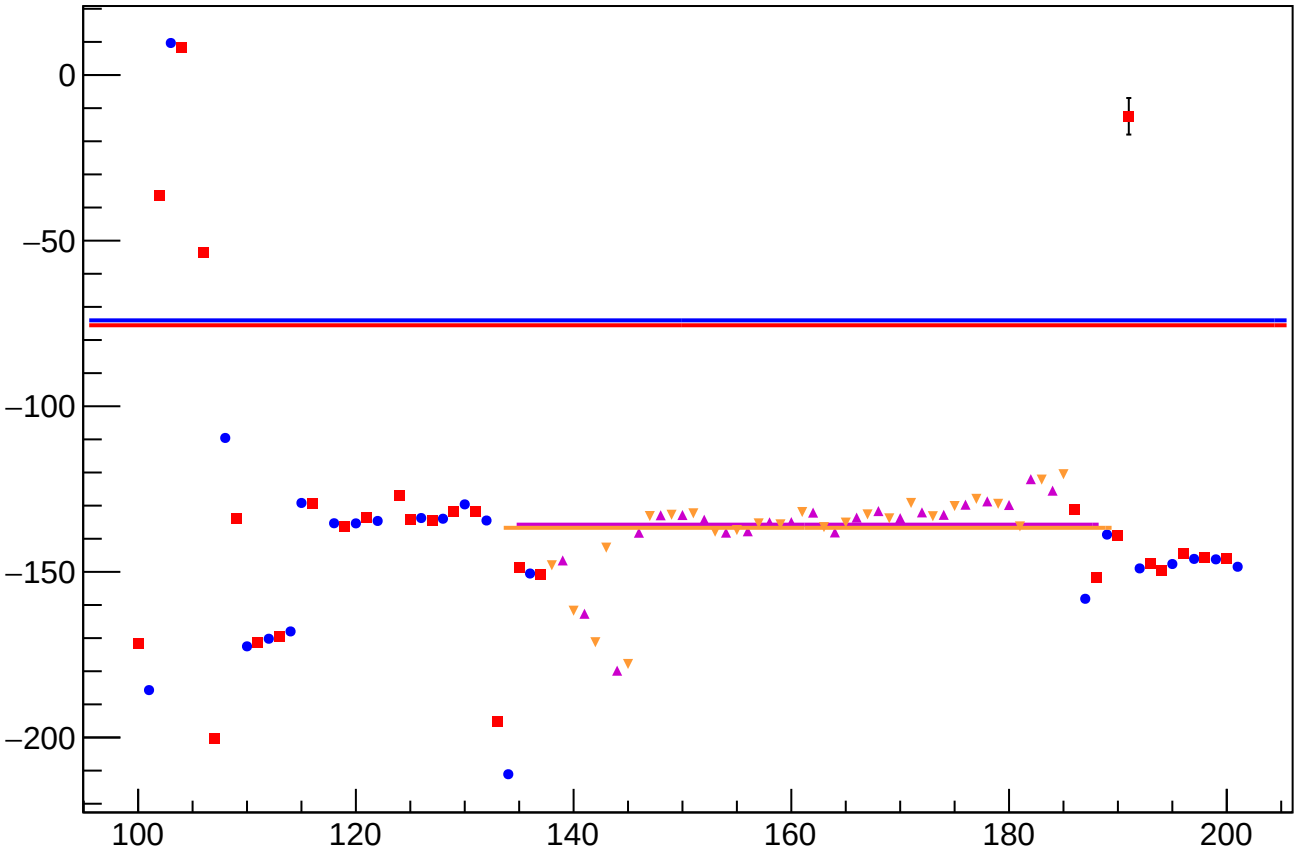
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 37.286+/-1.063 χ^2/NDF: 1000.5/50

In: 56.379+/-0.805 χ^2/NDF:1343.1/45

Out: 53.901+/-0.769 χ^2/NDF:1734.0/52

All: 55.084+/-0.556 χ^2/NDF: 3082.1/98



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: -75.548+/-0.066 χ^2/NDF: 1163547.3/27

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

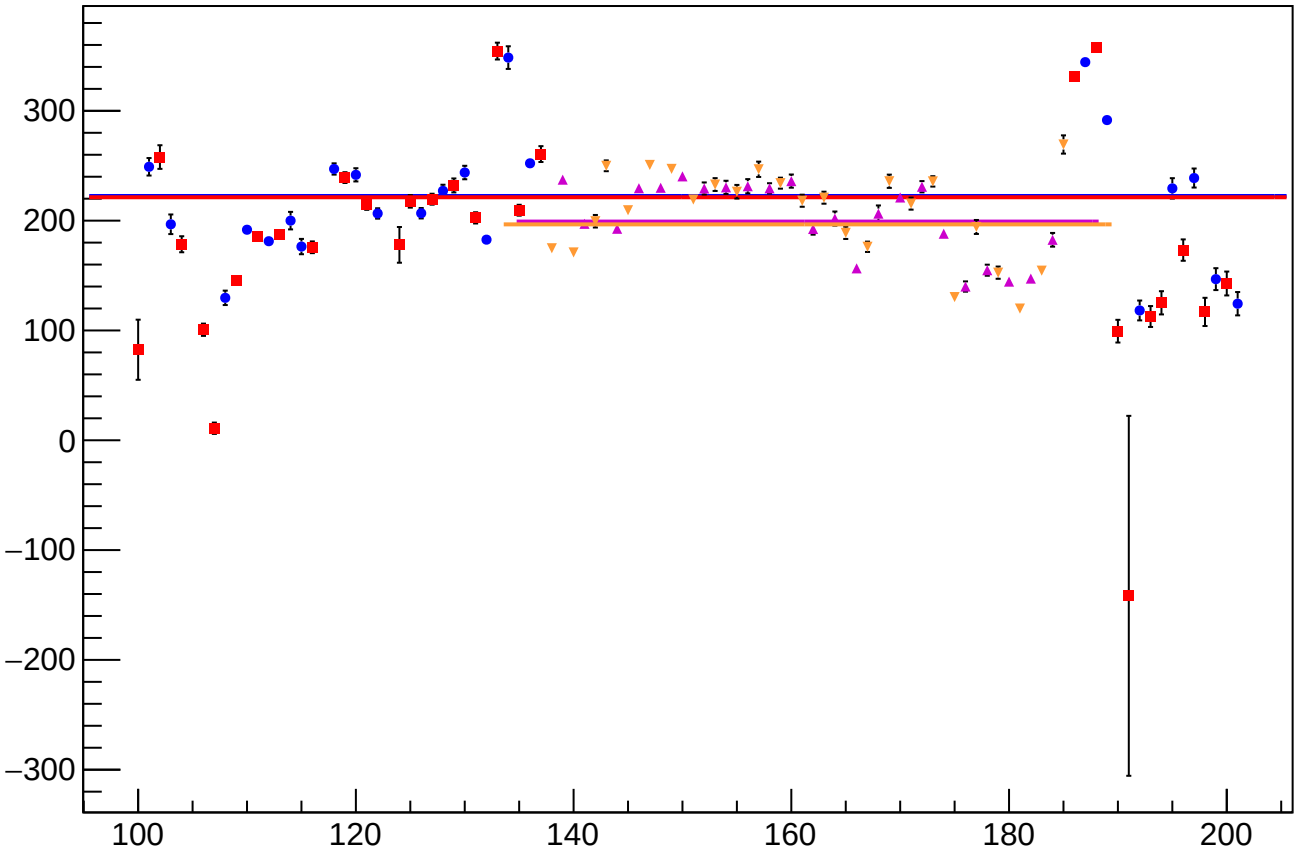
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -74.803+/-0.047 χ^2/NDF: 2643468.8/50

In: -117.511+/-0.036 χ^2/NDF:2157246.2/45

Out: -119.026+/-0.036 χ^2/NDF:1847889.4/52

All: -118.275+/-0.025 χ^2/NDF: 4006032.6/98



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: 221.301+/-1.003 χ^2/NDF: 7983.1/27

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

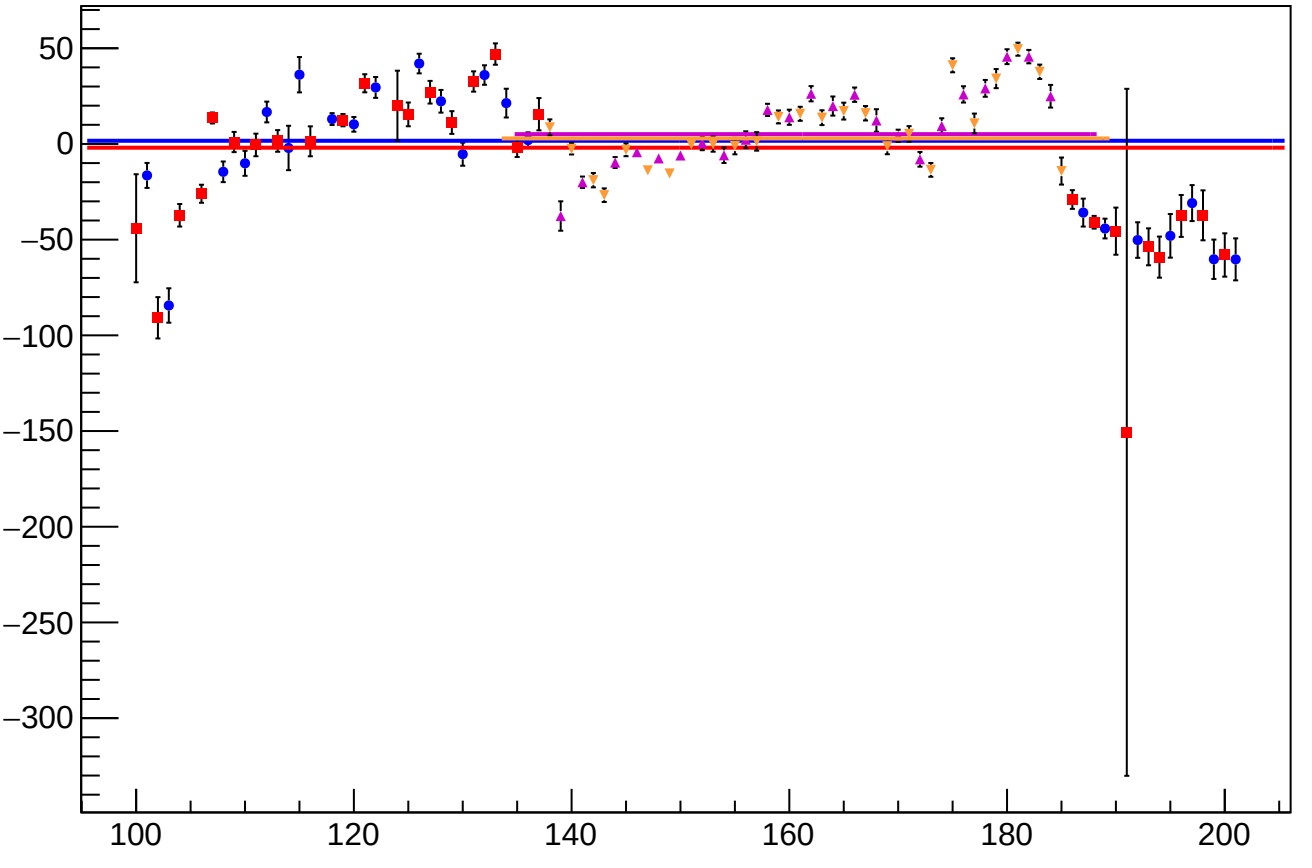
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

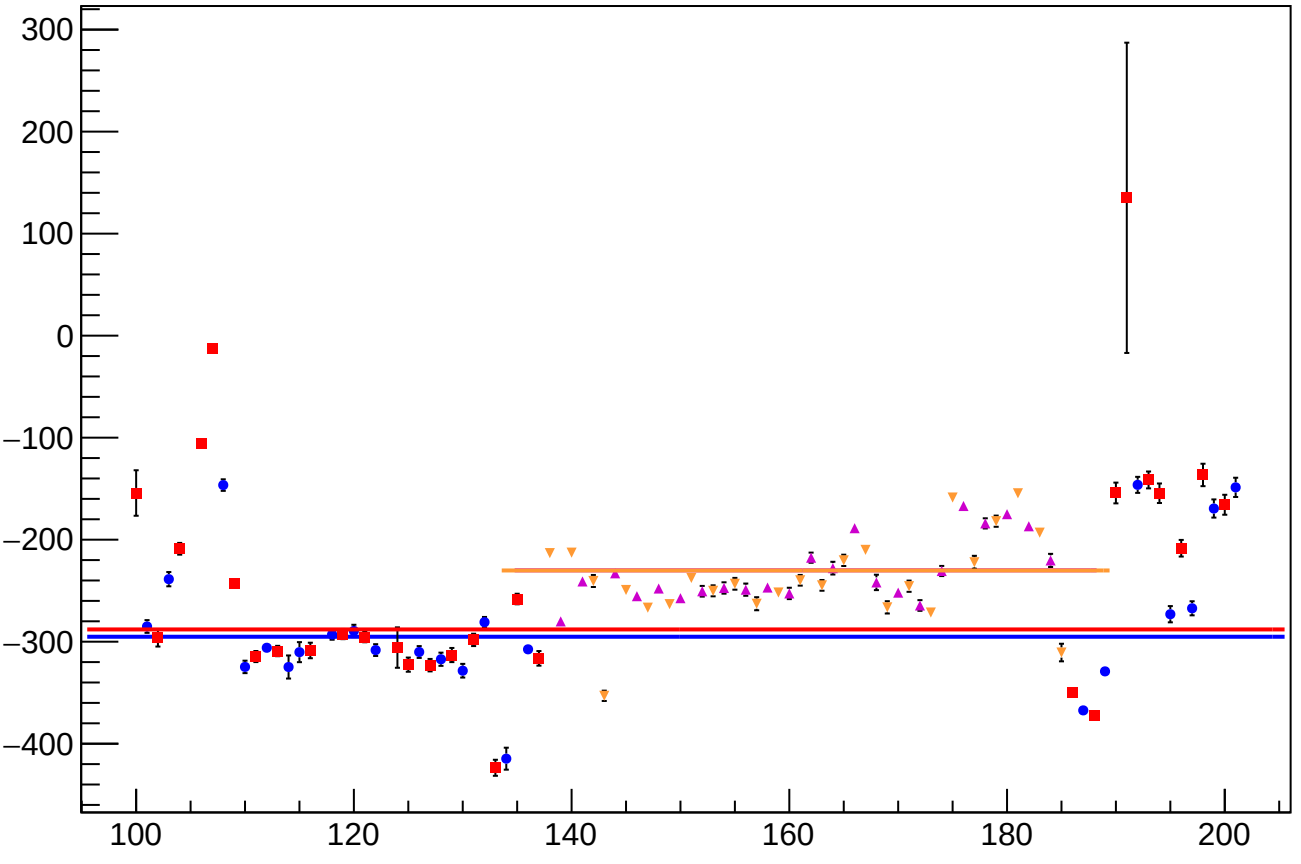
Right: 221.795+/-0.757 χ^2/NDF: 10083.5/50

In: 208.814+/-0.744 χ^2/NDF:3632.3/45

Out: 208.244+/-0.688 χ^2/NDF:10379.1/52

All: 208.507+/-0.505 χ^2/NDF: 14011.8/98


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 1.659+/-1.224 χ²/NDF: 541.4/22
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: -1.960+/-1.086 χ²/NDF: 676.4/27
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: -0.365+/-0.812 χ²/NDF: 1222.7/50
In: 4.238+/-0.619 χ²/NDF:1176.0/45
Out: 1.473+/-0.584 χ²/NDF:1443.2/52
All: 2.775+/-0.425 χ²/NDF: 2629.8/98



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: -287.980+/-1.013 χ^2/NDF: 9627.7/27

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

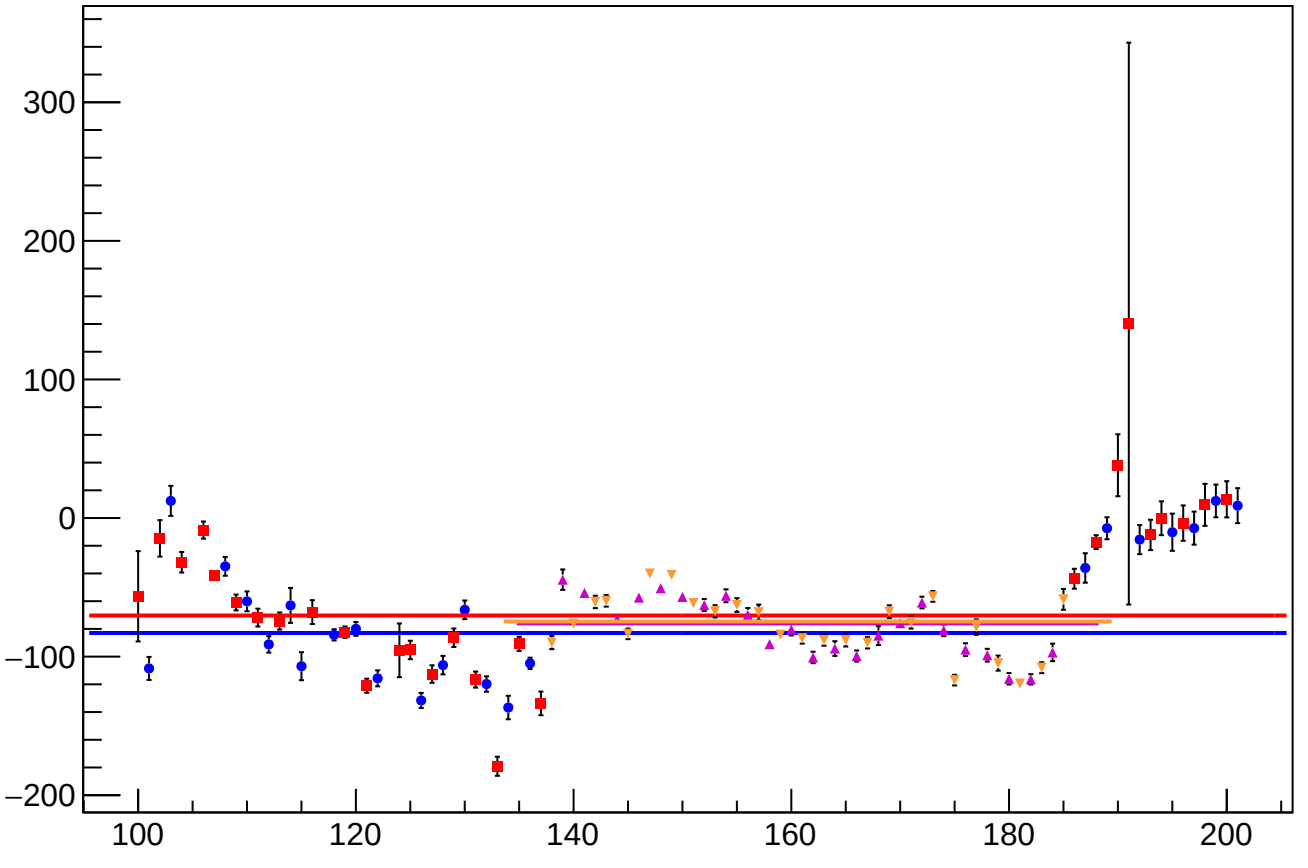
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -290.936+/-0.777 χ^2/NDF: 11918.2/50

In: -255.235+/-0.752 χ^2/NDF:5139.7/45

Out: -256.892+/-0.689 χ^2/NDF:13560.5/52

All: -256.137+/-0.508 χ^2/NDF: 18702.9/98



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: -70.336+/-1.306 χ^2/NDF: 1075.1/27

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

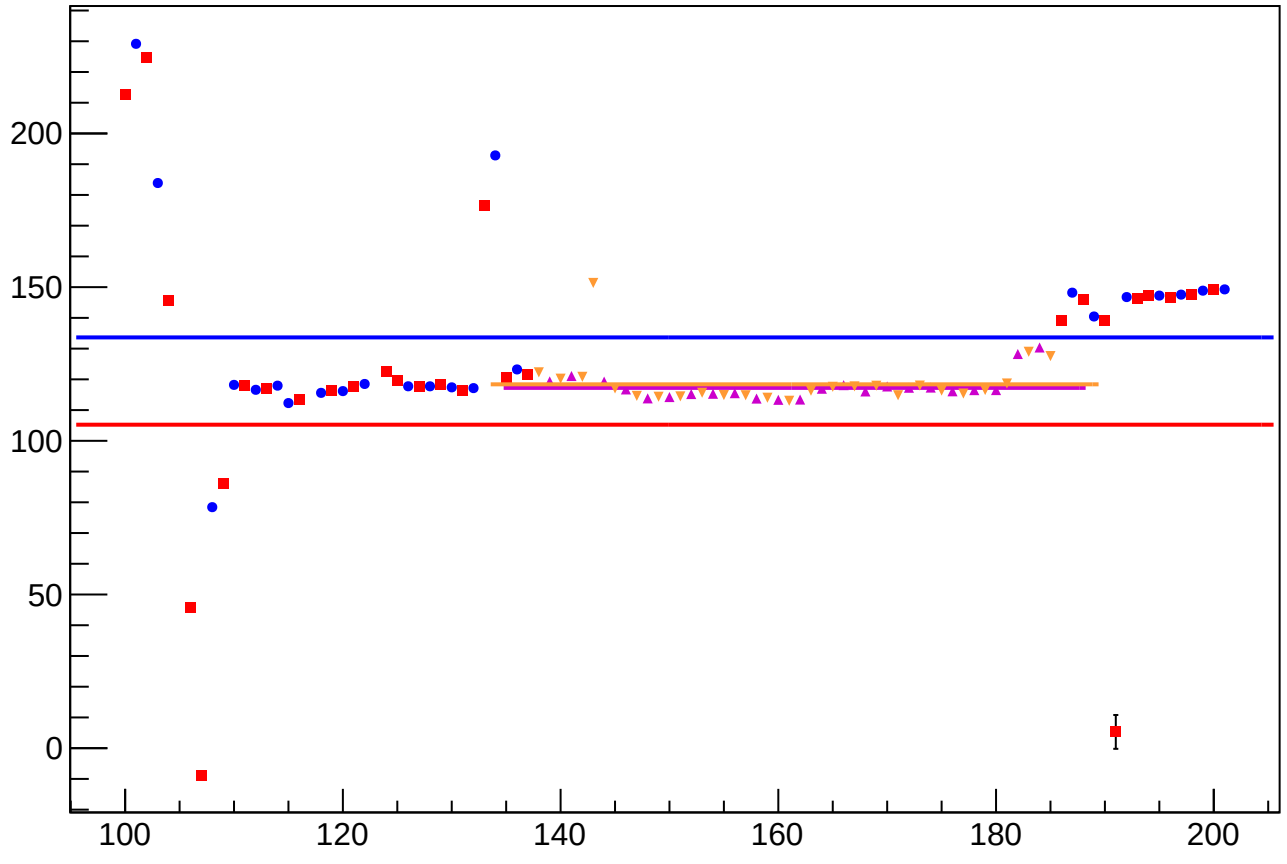
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -76.044+/-0.966 χ^2/NDF: 1857.7/50

In: -77.739+/-0.715 χ^2/NDF:1403.9/45

Out: -73.467+/-0.683 χ^2/NDF:1914.0/52

All: -75.505+/-0.494 χ^2/NDF: 3336.6/98



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: 105.248+/-0.068 χ^2/NDF: 727331.7/27

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

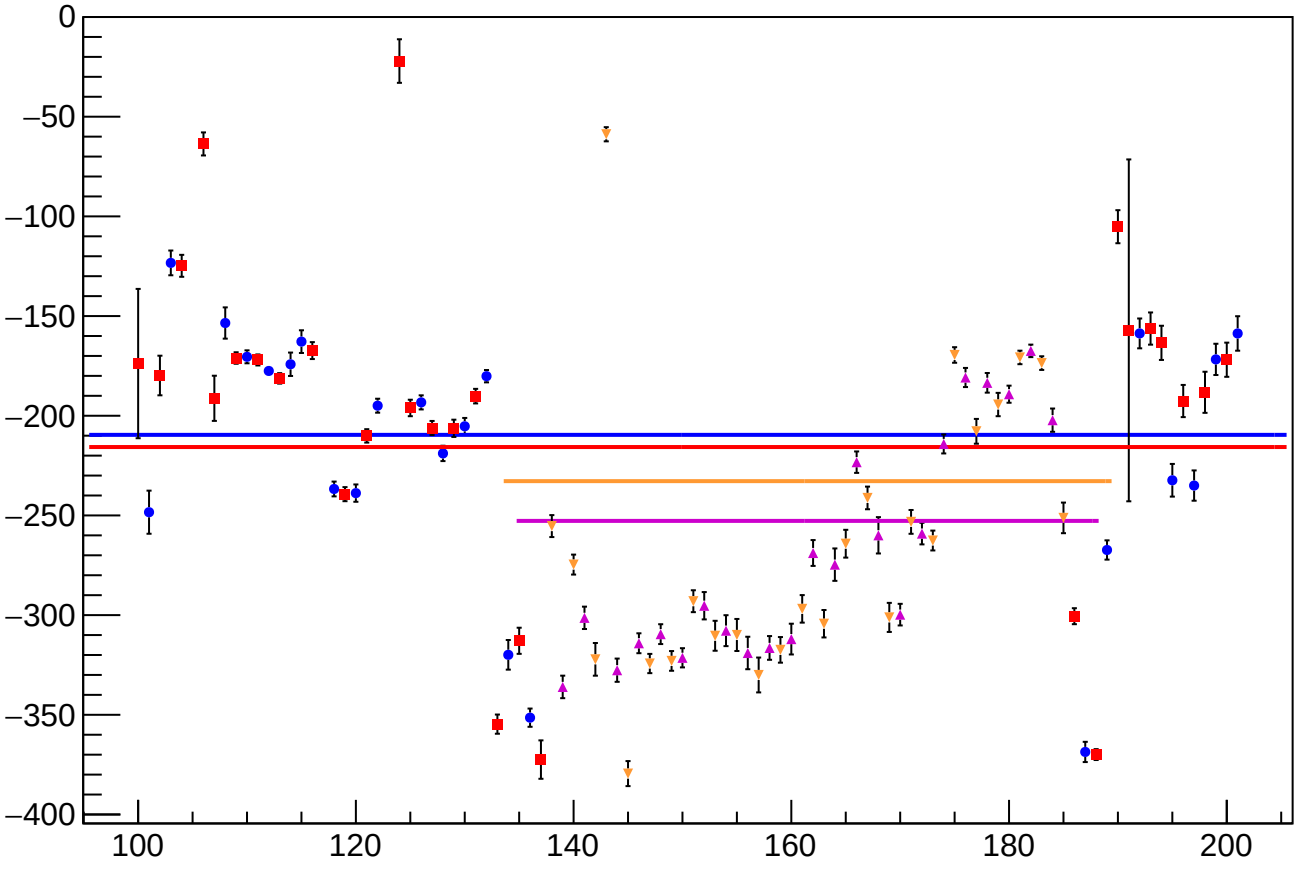
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 117.921+/-0.051 χ^2/NDF: 999635.5/50

In: 120.448+/-0.034 χ^2/NDF:242844.1/45

Out: 115.369+/-0.033 χ^2/NDF:790751.8/52

All: 117.833+/-0.023 χ^2/NDF: 1045282.7/98



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: -215.692+/-0.866 χ^2/NDF: 7482.5/27

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

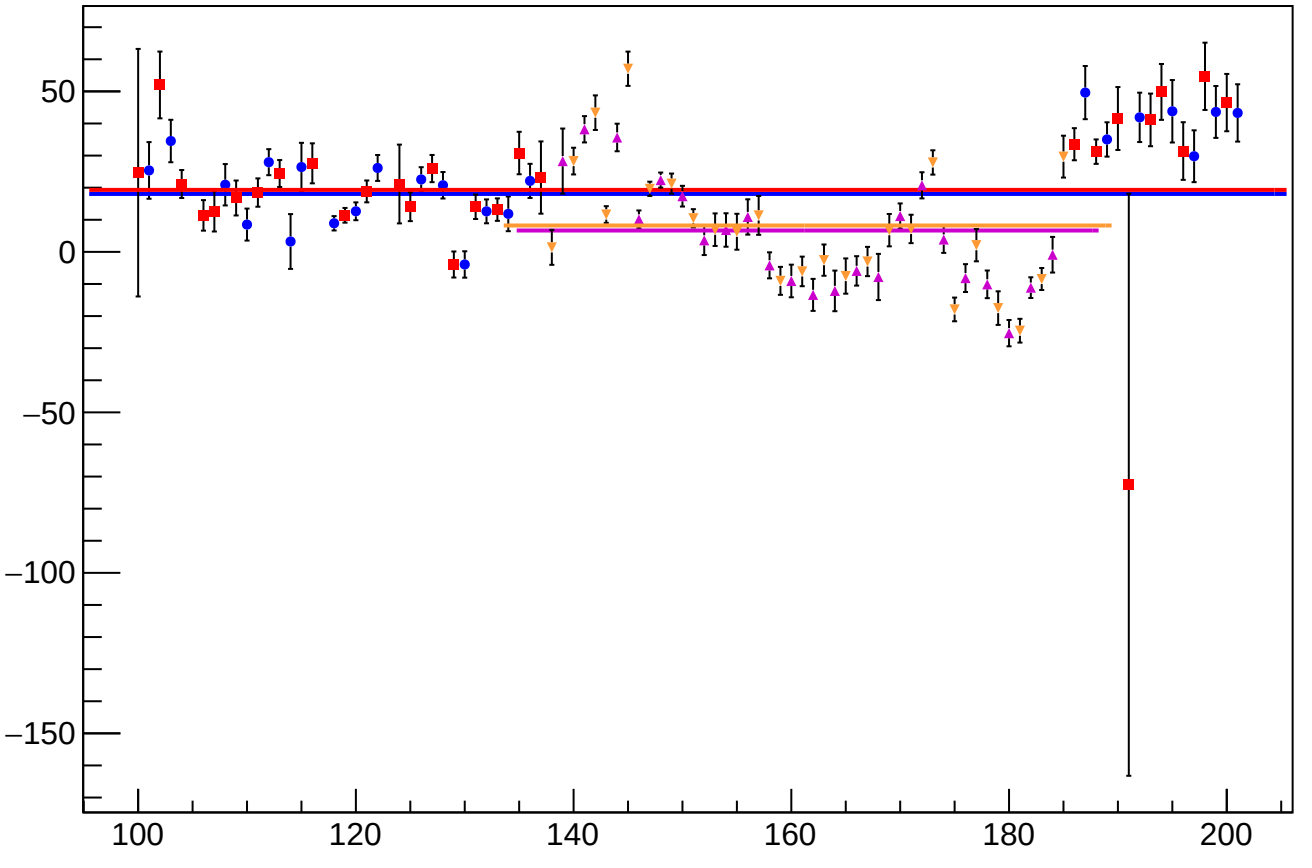
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -212.909+/-0.639 χ^2/NDF: 10846.6/50

In: -227.376+/-0.726 χ^2/NDF:7111.4/45

Out: -222.453+/-0.674 χ^2/NDF:13400.5/52

All: -224.731+/-0.494 χ^2/NDF: 20536.6/98



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: 19.313+/-0.948 χ^2/NDF: 140.1/27

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

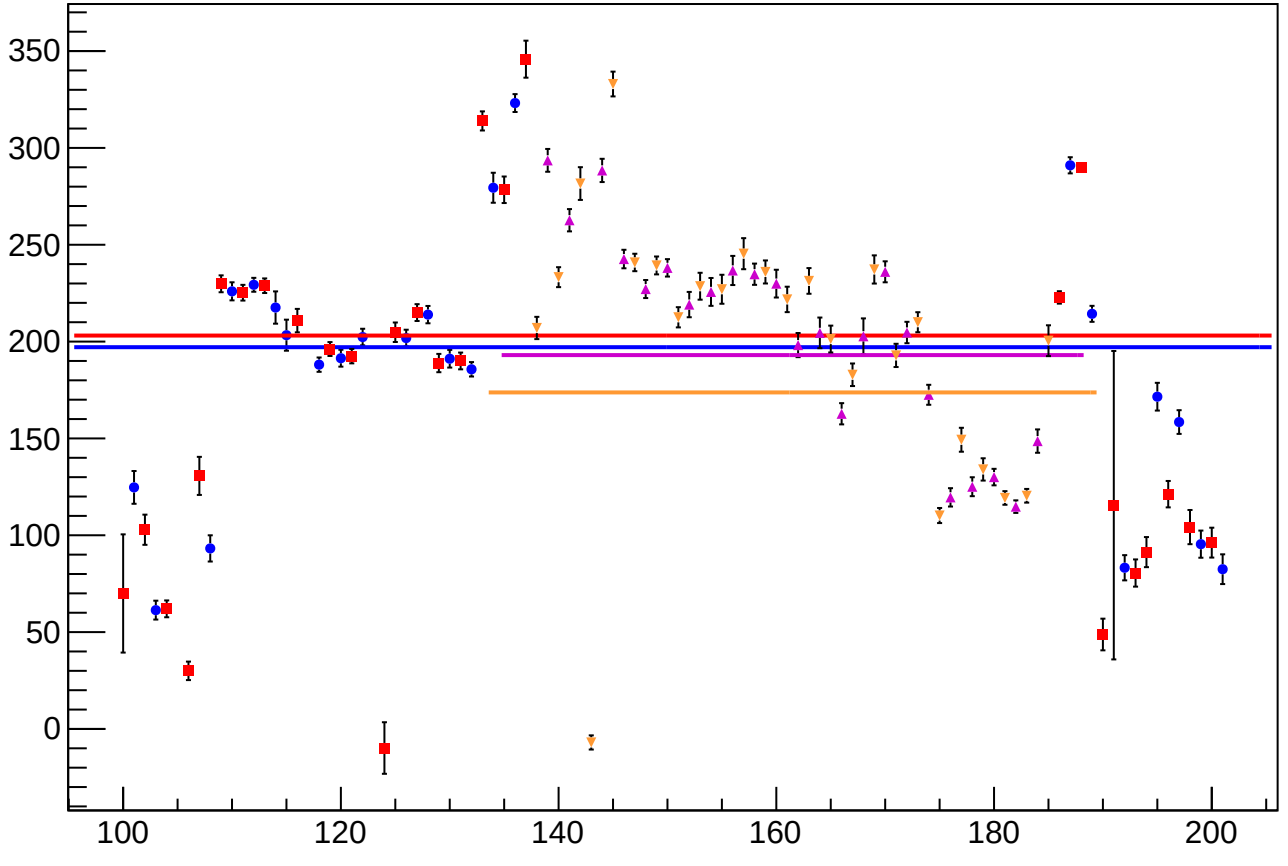
Right: 18.704+/-0.683 χ^2/NDF: 282.2/50

In: 11.574+/-0.647 χ^2/NDF:572.1/45

Out: 12.853+/-0.613 χ^2/NDF:677.7/52

All: 12.248+/-0.445 χ^2/NDF: 1251.8/98

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 203.112+/-0.928 χ^2/NDF: 6783.9/27

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

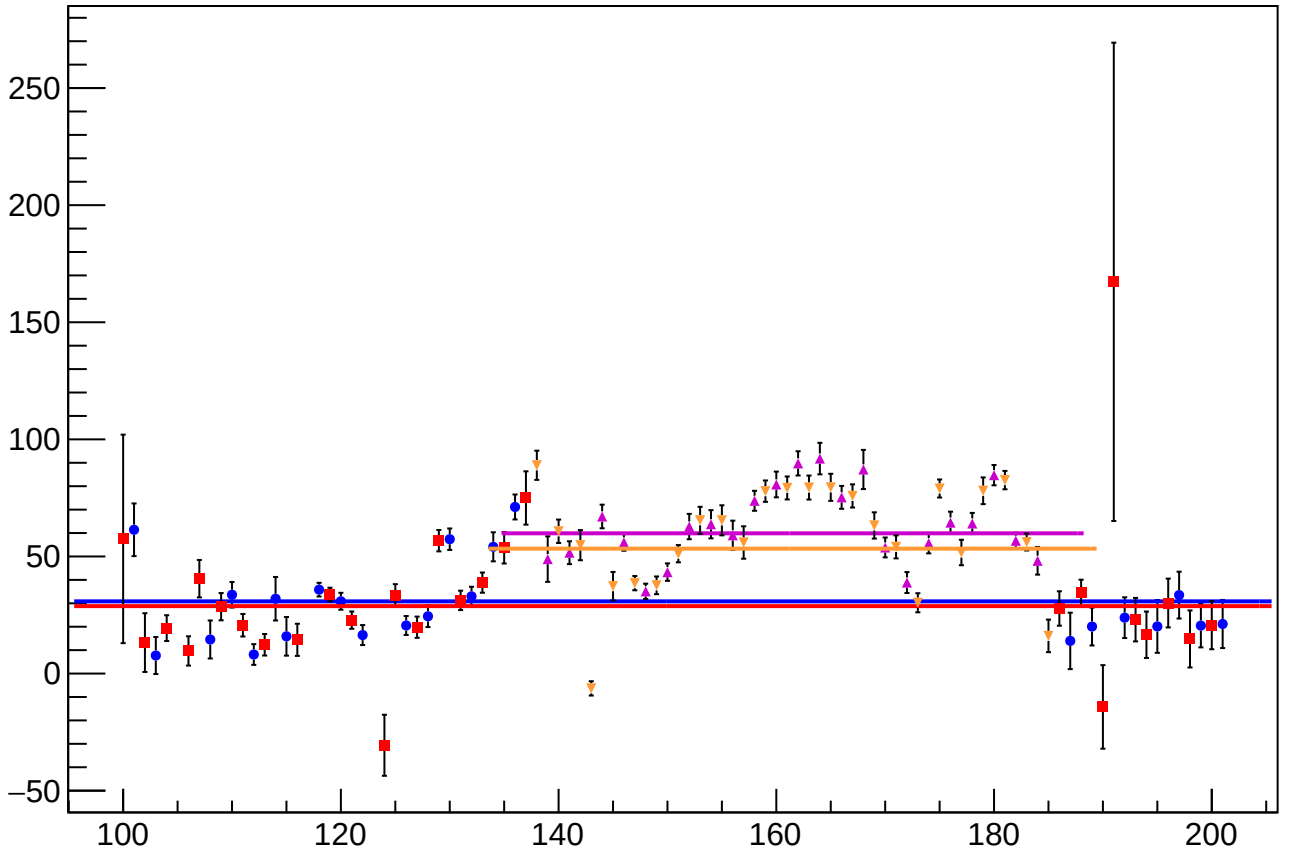
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 200.455+/-0.693 χ^2/NDF: 10224.6/50

In: 195.220+/-0.763 χ^2/NDF:5941.2/45

Out: 190.493+/-0.701 χ^2/NDF:12475.1/52

All: 192.655+/-0.516 χ^2/NDF: 18437.2/98



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: 28.797+/-1.119 χ^2/NDF: 153.6/27

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

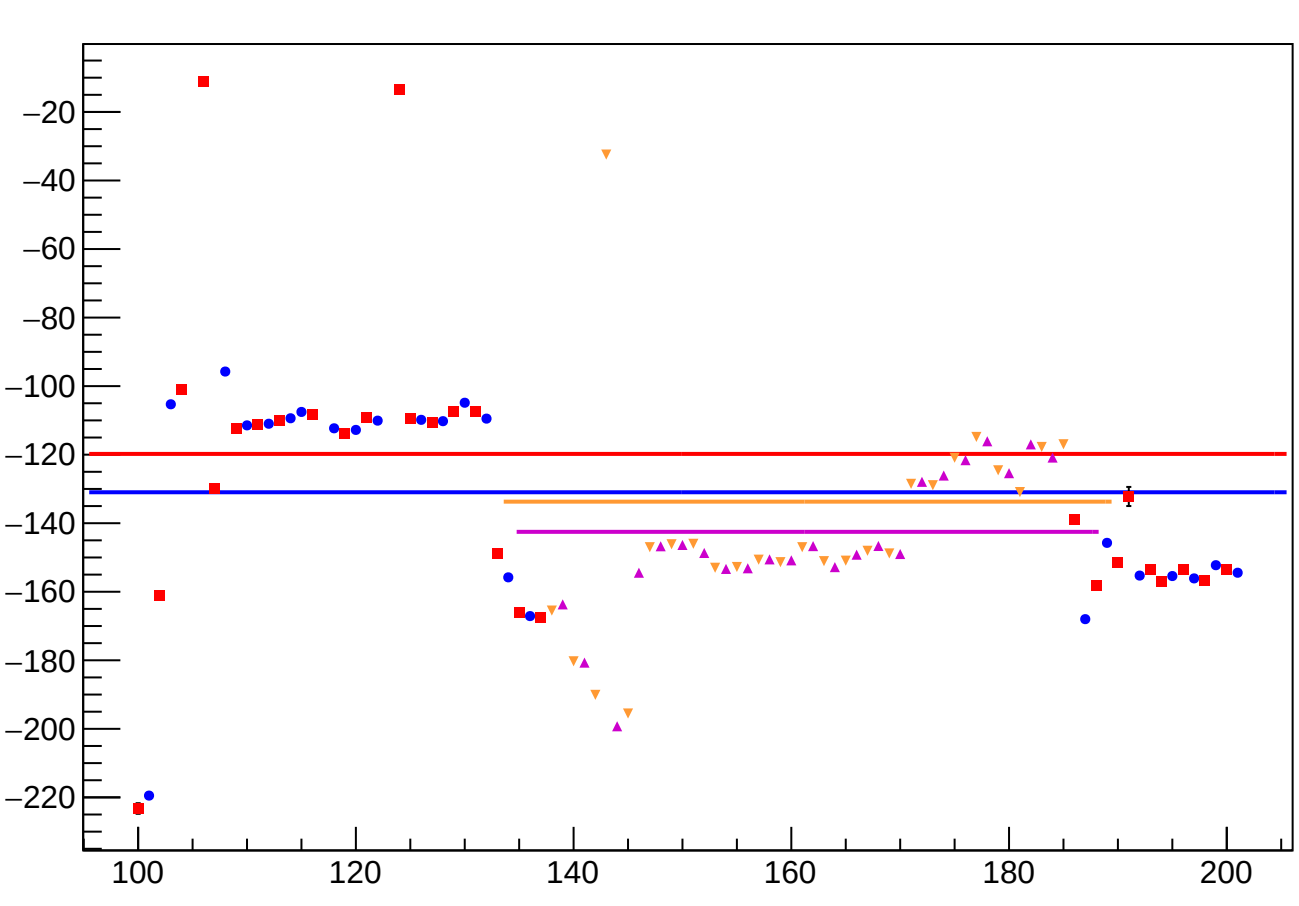
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.782+/-0.803 χ^2/NDF: 340.3/50

In: 47.766+/-0.746 χ^2/NDF:805.4/45

Out: 43.412+/-0.711 χ^2/NDF:1218.9/52

All: 45.487+/-0.515 χ^2/NDF: 2042.1/98



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: -119.779+/-0.063 χ^2/NDF: 479634.2/27

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

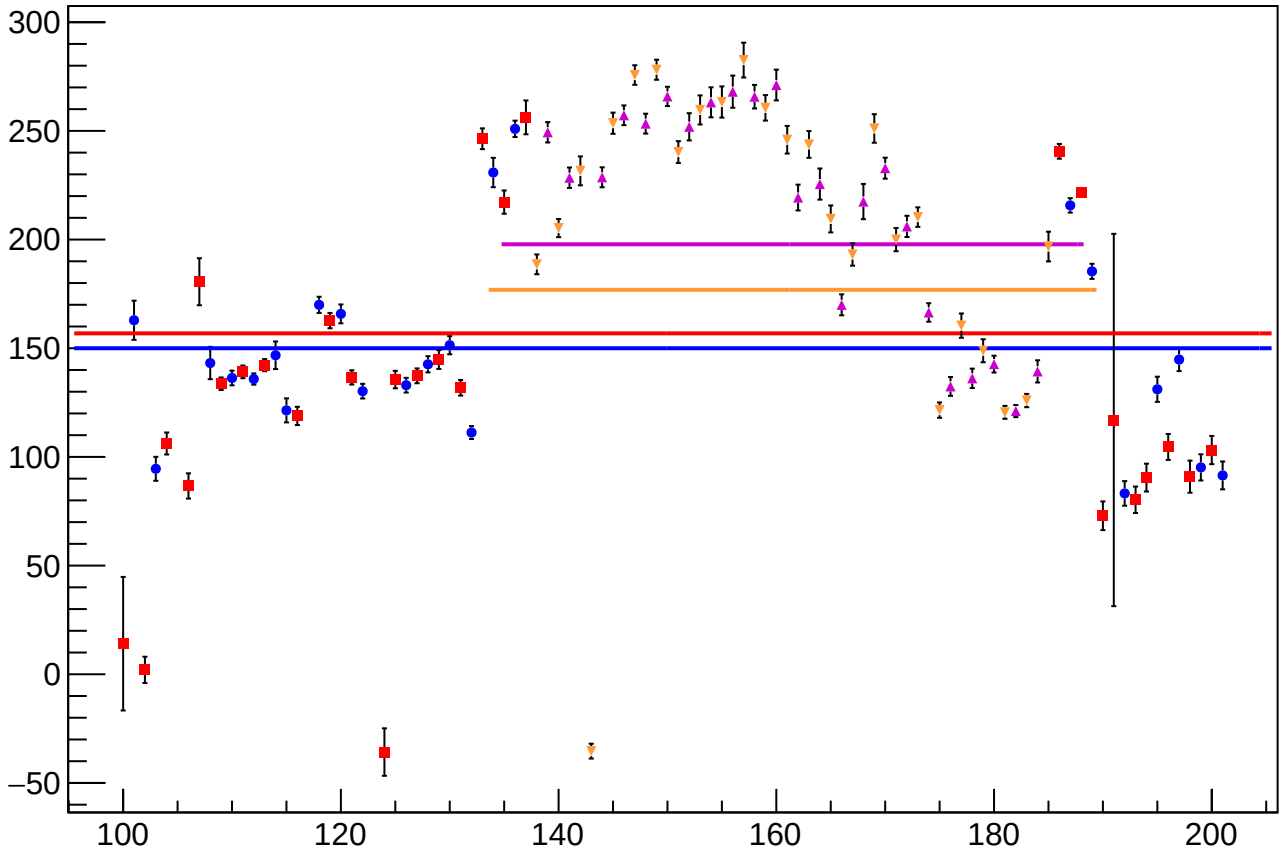
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -125.079+/-0.046 χ^2/NDF: 665491.7/50

In: -138.947+/-0.037 χ^2/NDF:370277.3/45

Out: -129.301+/-0.035 χ^2/NDF:1189031.3/52

All: -133.924+/-0.026 χ^2/NDF: 1594867.4/98



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: 156.846+/-0.783 χ^2/NDF: 4840.1/27

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

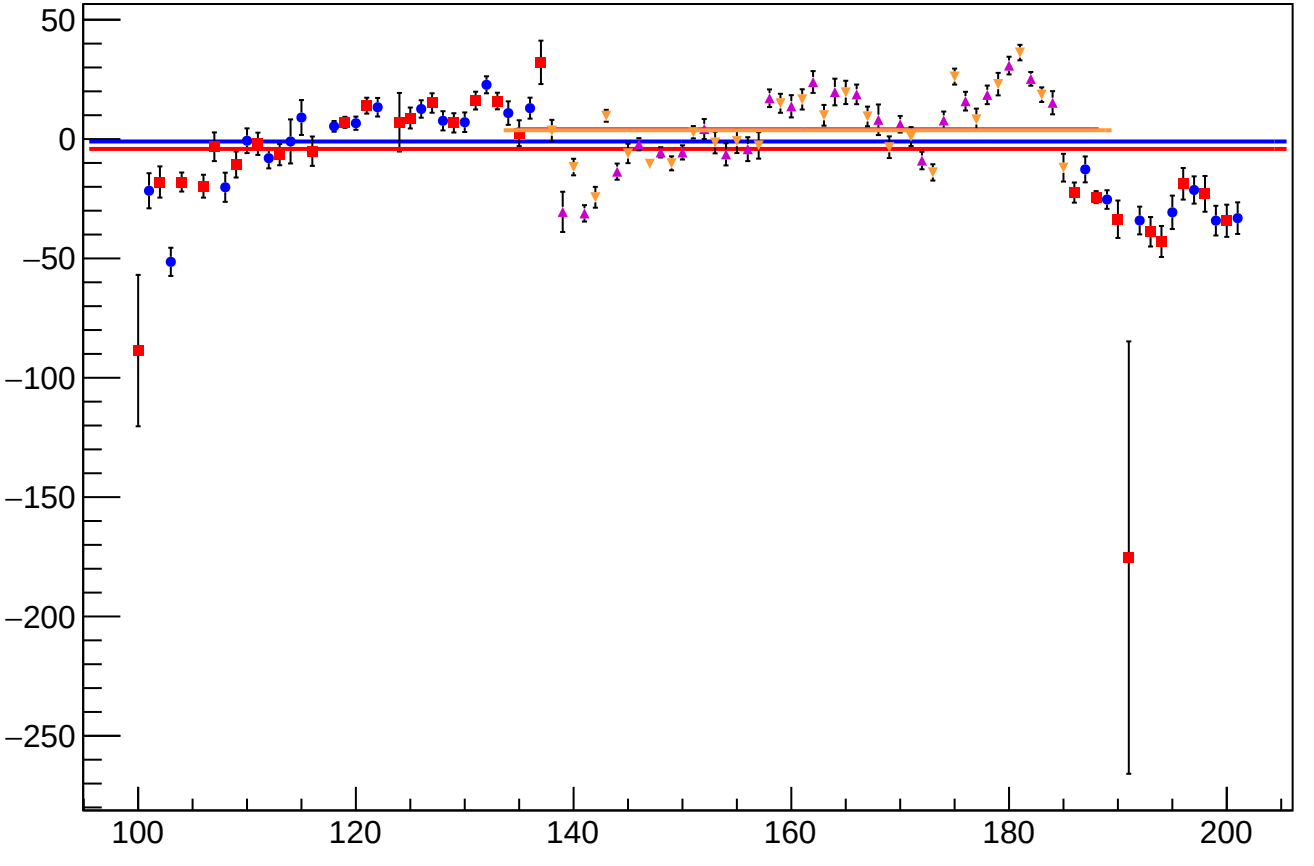
Right: 153.791+/-0.583 χ^2/NDF: 6994.7/50

In: 170.522+/-0.659 χ^2/NDF:6378.6/45

Out: 164.875+/-0.606 χ^2/NDF:12527.3/52

All: 167.463+/-0.446 χ^2/NDF: 18945.7/98

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: -4.125+/-0.870 χ^2/NDF: 408.7/27

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

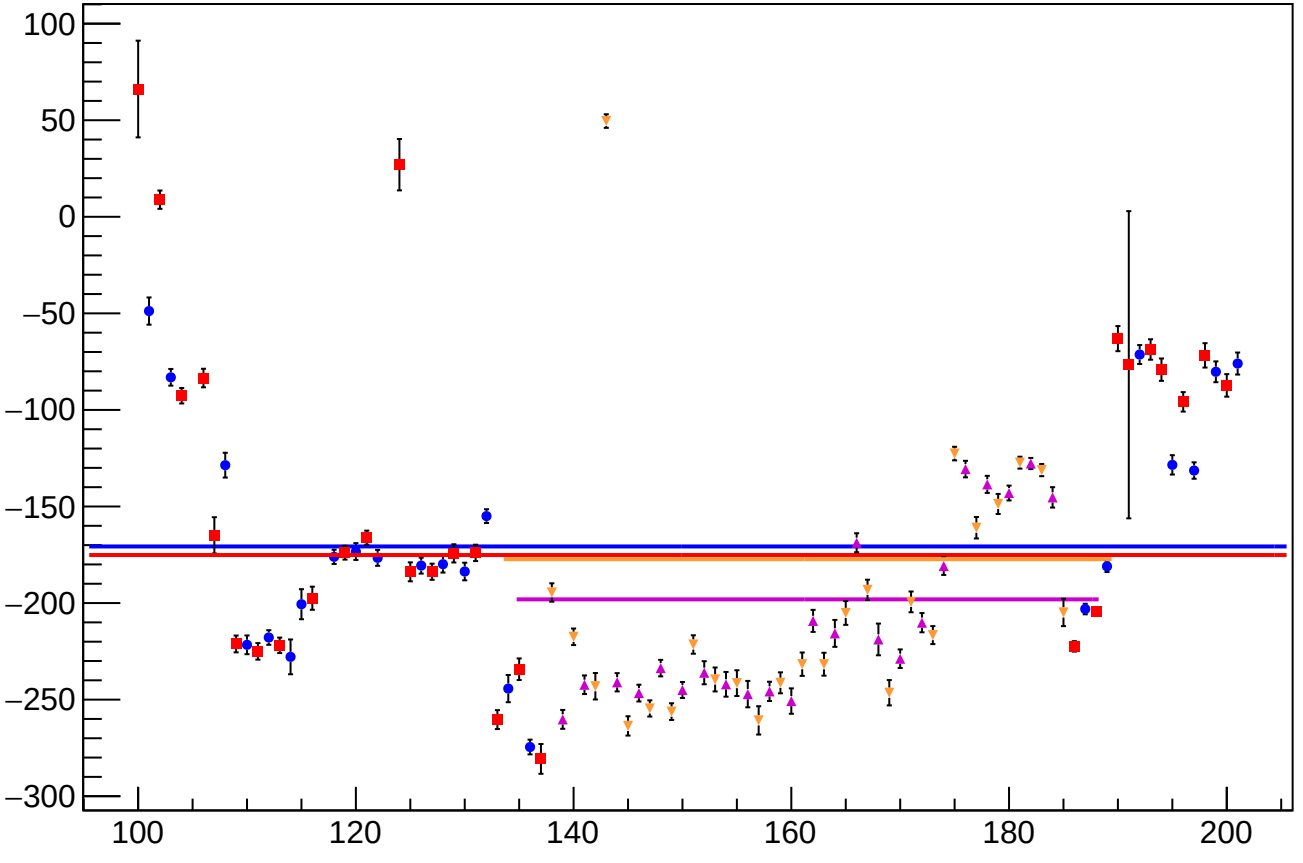
Right: -2.649+/-0.631 χ^2/NDF: 780.5/50

In: 1.993+/-0.589 χ^2/NDF:782.9/45

Out: 0.506+/-0.556 χ^2/NDF:857.6/52

All: 1.206+/-0.404 χ^2/NDF: 1643.8/98

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: -175.128+/-0.787 χ^2/NDF: 6089.6/27

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

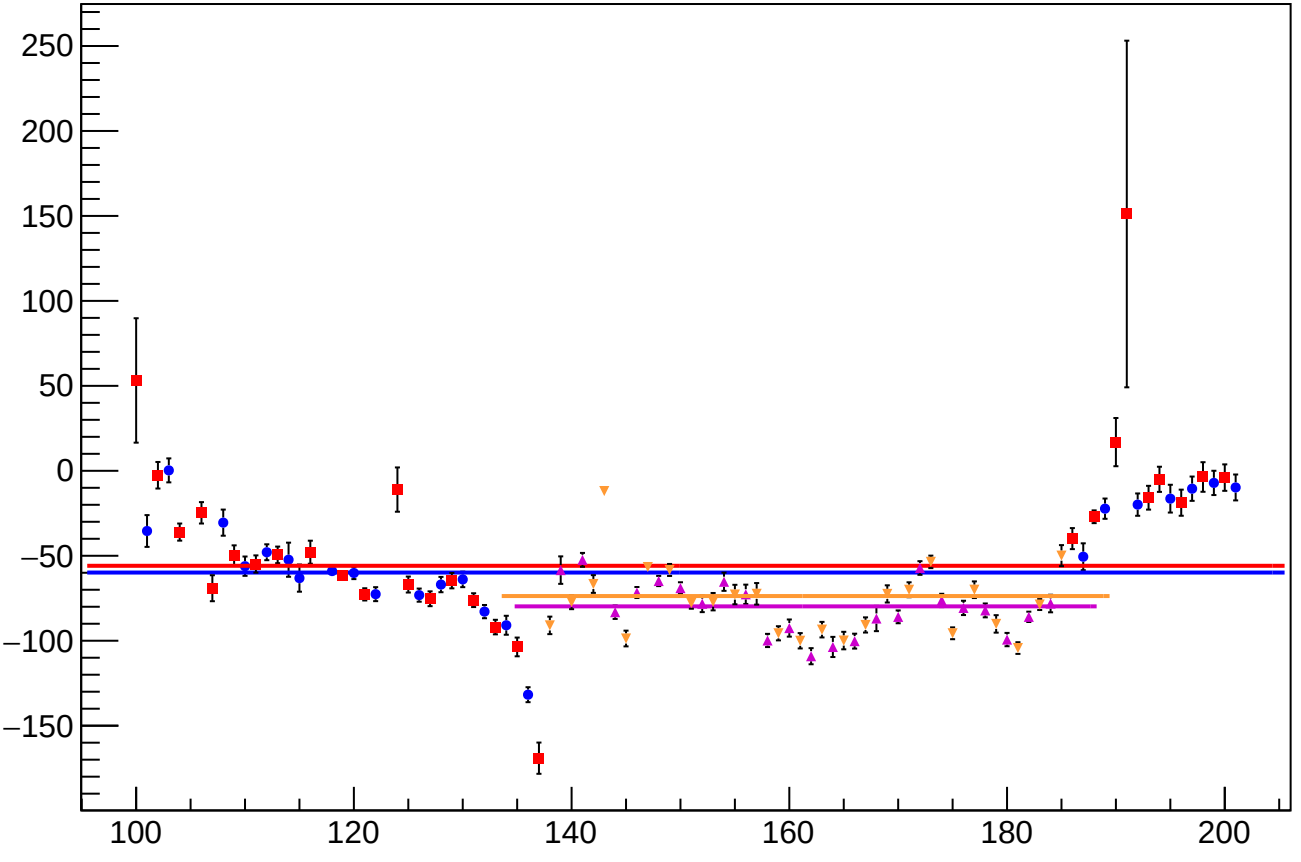
Right: -173.233+/-0.595 χ^2/NDF: 9343.5/50

In: -183.118+/-0.674 χ^2/NDF:6036.7/45

Out: -175.998+/-0.607 χ^2/NDF:13132.6/52

All: -179.191+/-0.451 χ^2/NDF: 19231.0/98

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: -55.896+/-1.041 χ^2/NDF: 771.4/27

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

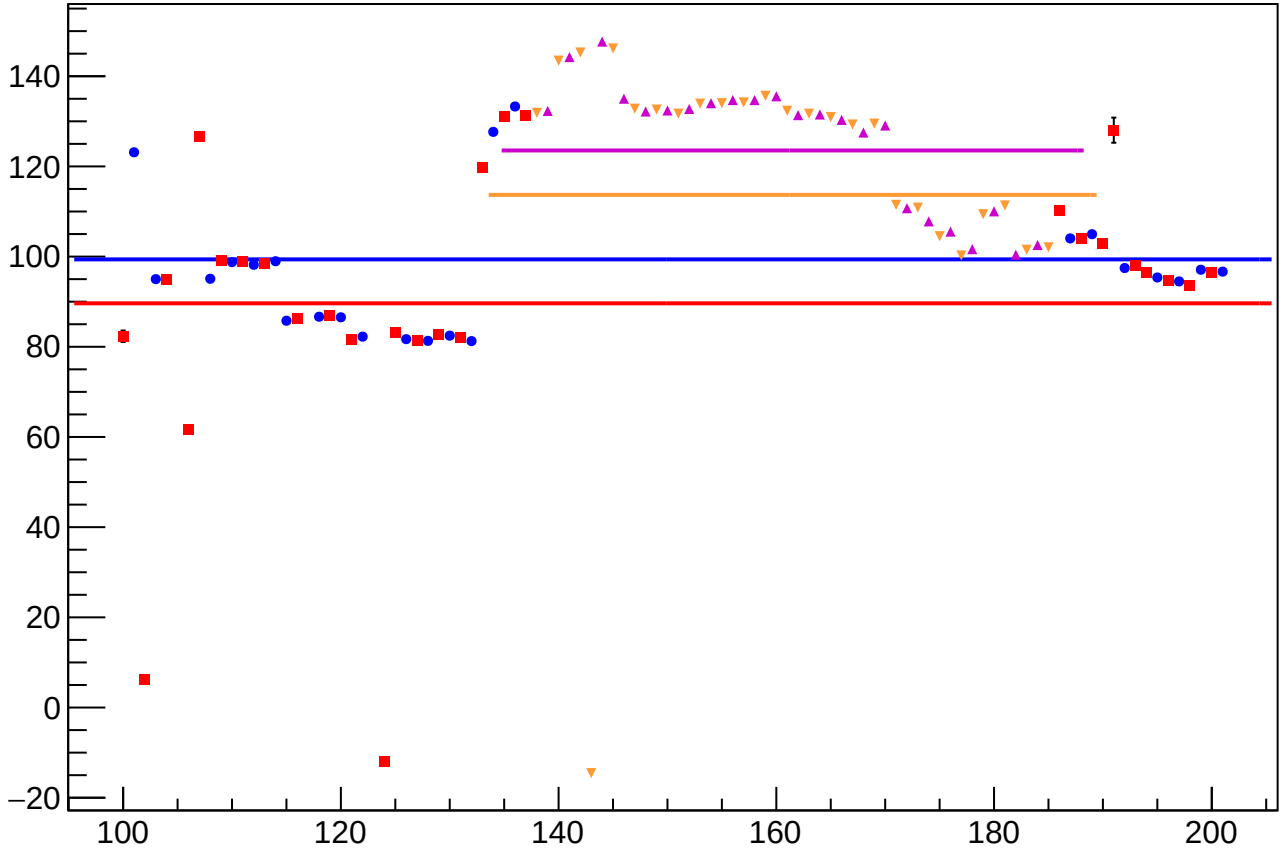
Right: -57.810+/-0.750 χ^2/NDF: 1488.6/50

In: -71.910+/-0.680 χ^2/NDF:1192.3/45

Out: -66.799+/-0.648 χ^2/NDF:1790.0/52

All: -69.235+/-0.469 χ^2/NDF: 3012.0/98

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: 89.641+/-0.054 χ^2/NDF: 282734.6/27

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

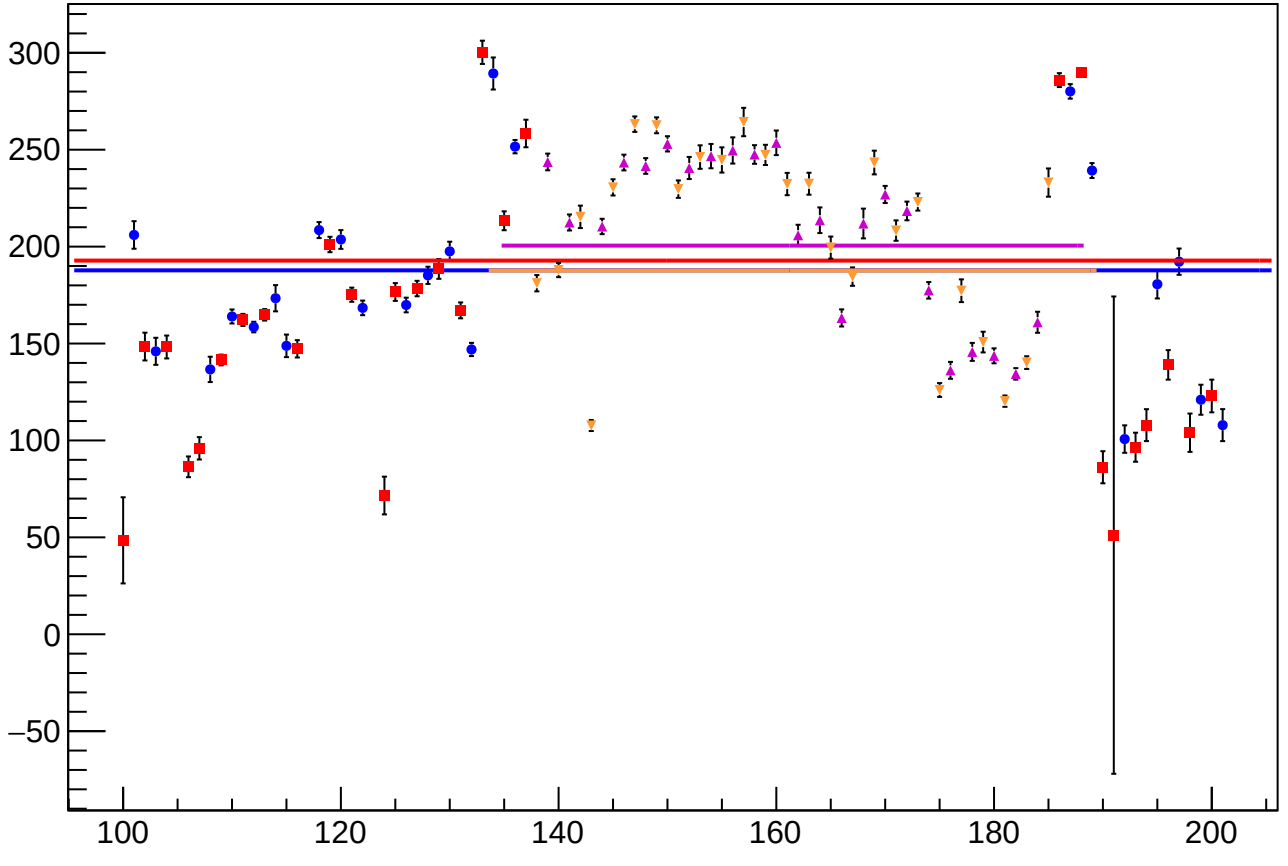
Right: 94.228+/-0.039 χ^2/NDF: 367178.1/50

In: 115.764+/-0.033 χ^2/NDF:323507.0/45

Out: 105.670+/-0.031 χ^2/NDF:1376901.8/52

All: 110.511+/-0.023 χ^2/NDF: 1750224.0/98

reg_asym_atl_dd_atr_dd_avg_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: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

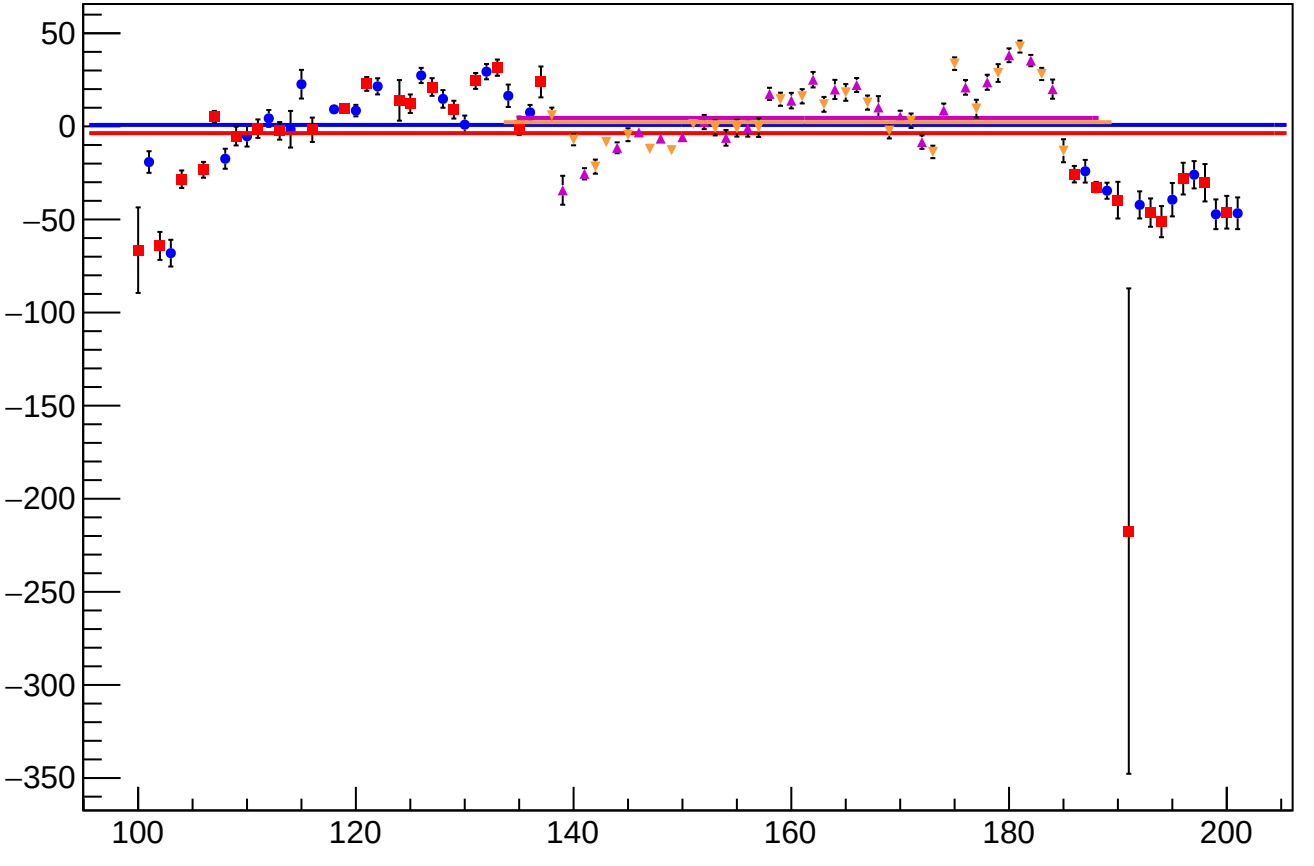
Right: 190.592+/-0.638 χ^2/NDF: 7987.6/50

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98

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: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

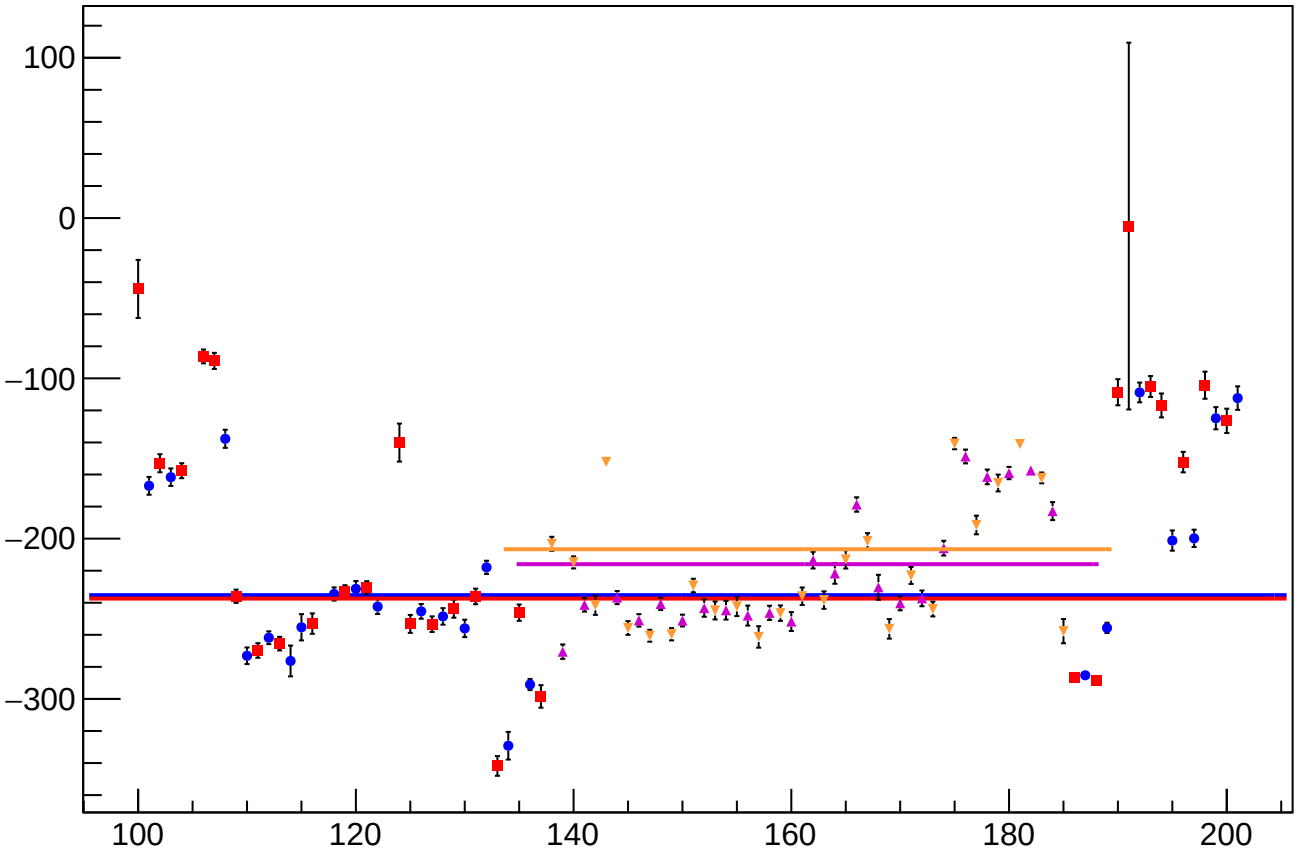
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.621+/-0.688 χ^2/NDF: 1129.9/50

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

Out: 0.266+/-0.541 χ^2/NDF:1253.5/52

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98



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: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

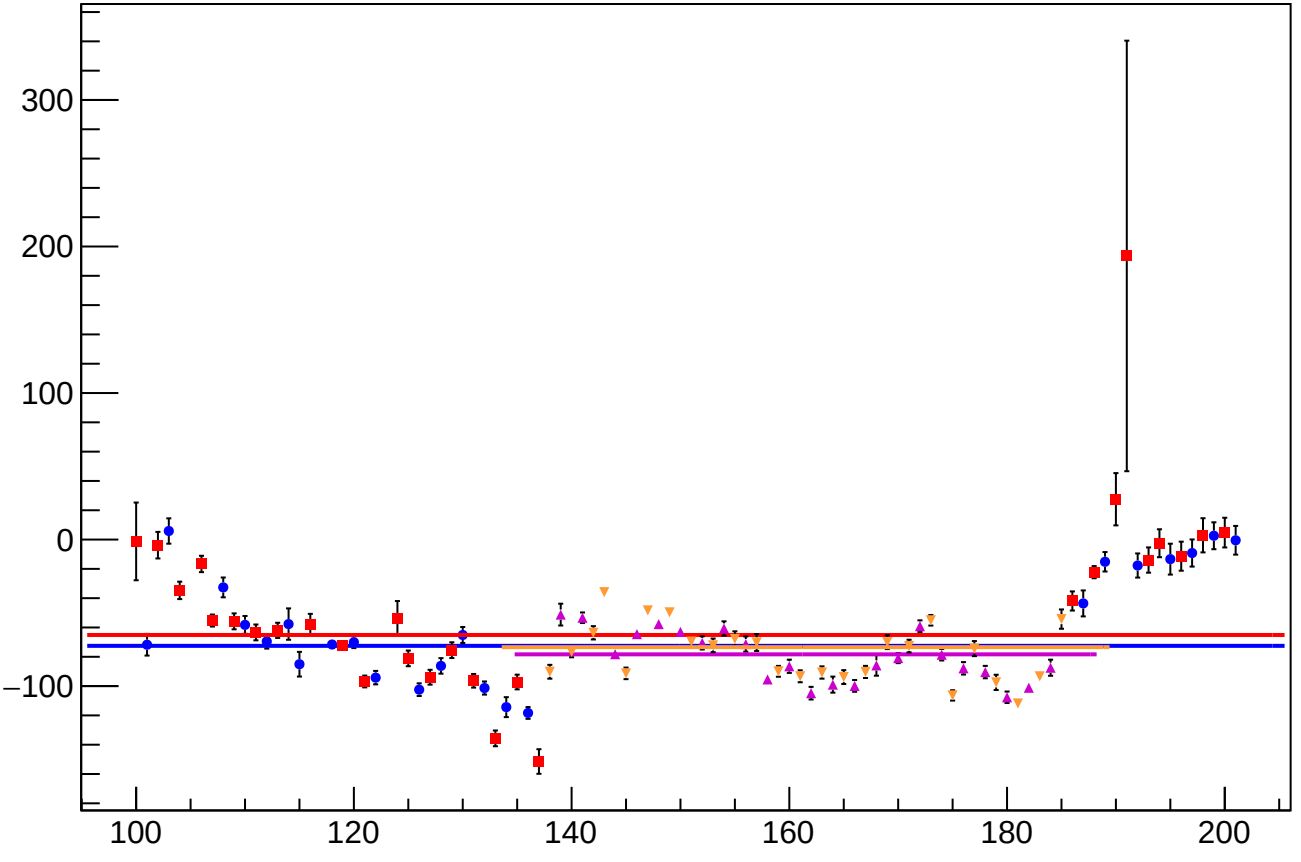
Right: -236.499+/-0.656 χ^2/NDF: 8707.6/50

In: -224.933+/-0.692 χ^2/NDF:4413.0/45

Out: -222.622+/-0.620 χ^2/NDF:9281.2/52

All: -223.651+/-0.462 χ^2/NDF: 13700.4/98

reg_asym_atl_dd_atr_dd_avg_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: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

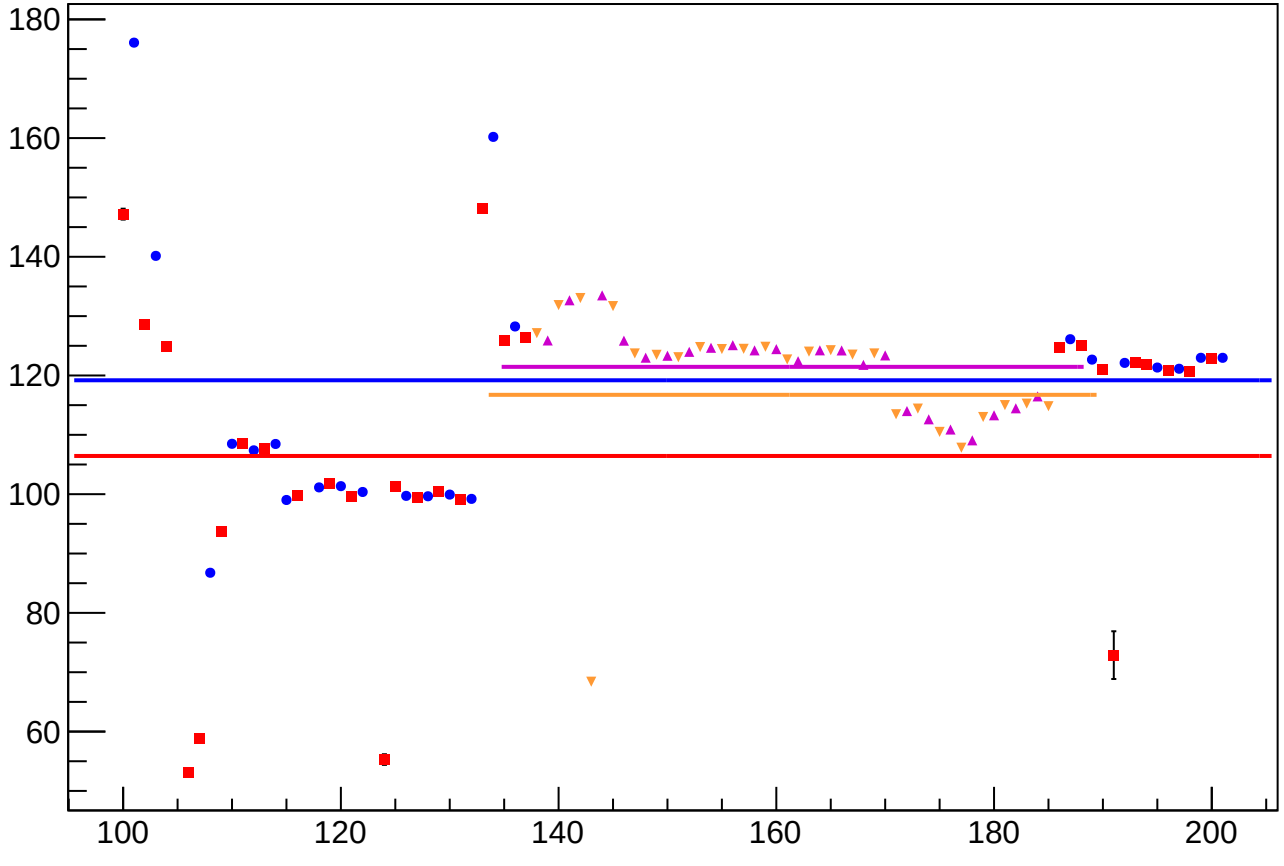
Right: -68.574+/-0.818 χ^2/NDF: 1742.3/50

In: -76.487+/-0.675 χ^2/NDF:1203.0/45

Out: -70.773+/-0.633 χ^2/NDF:1852.1/52

All: -73.445+/-0.462 χ^2/NDF: 3093.2/98

reg_asym_atl_dd_atr_dd_avg_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: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

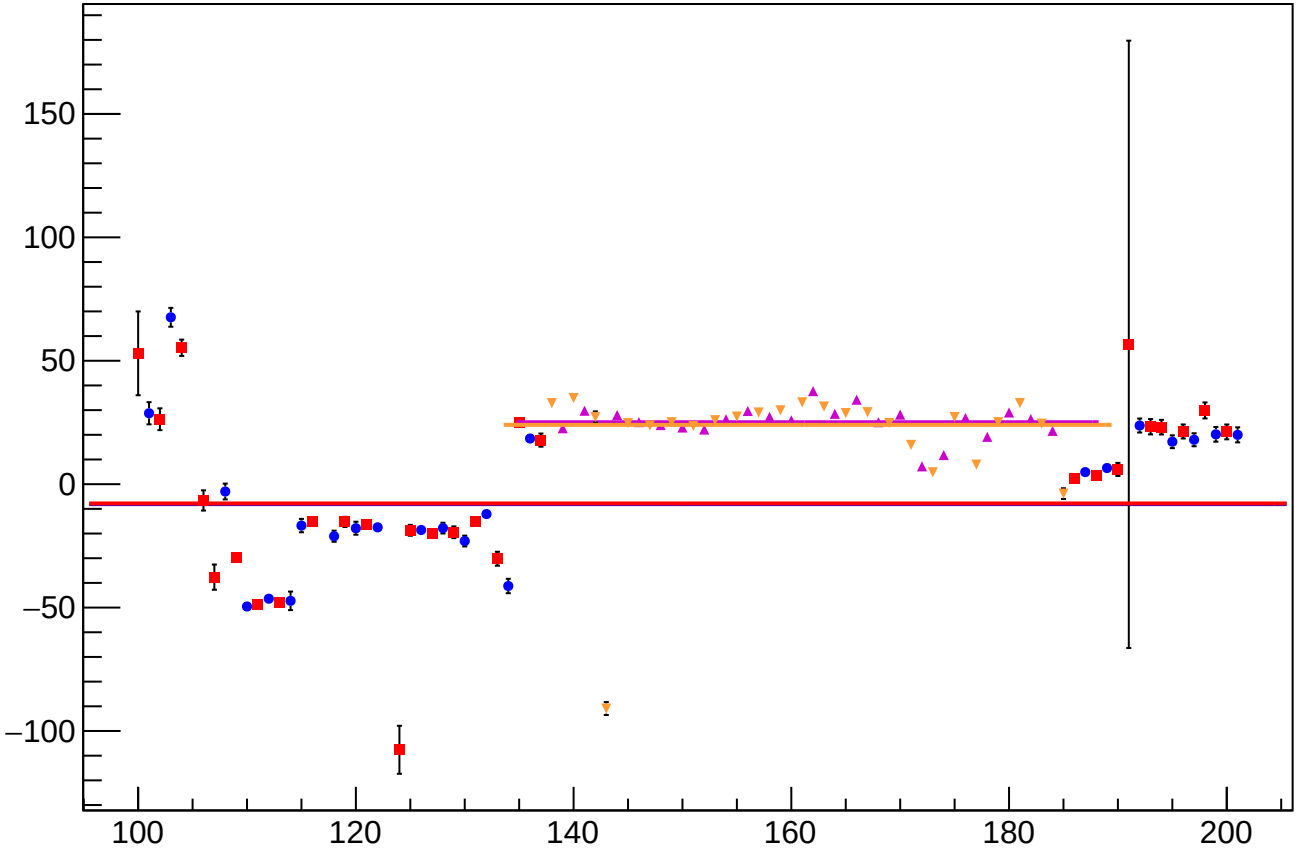
Right: 112.221+/-0.044 χ^2/NDF: 316364.2/50

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

reg_asym_atl_dd_atr_dd_dd_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: -7.820+/-0.416 χ^2/NDF: 3236.0/27

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

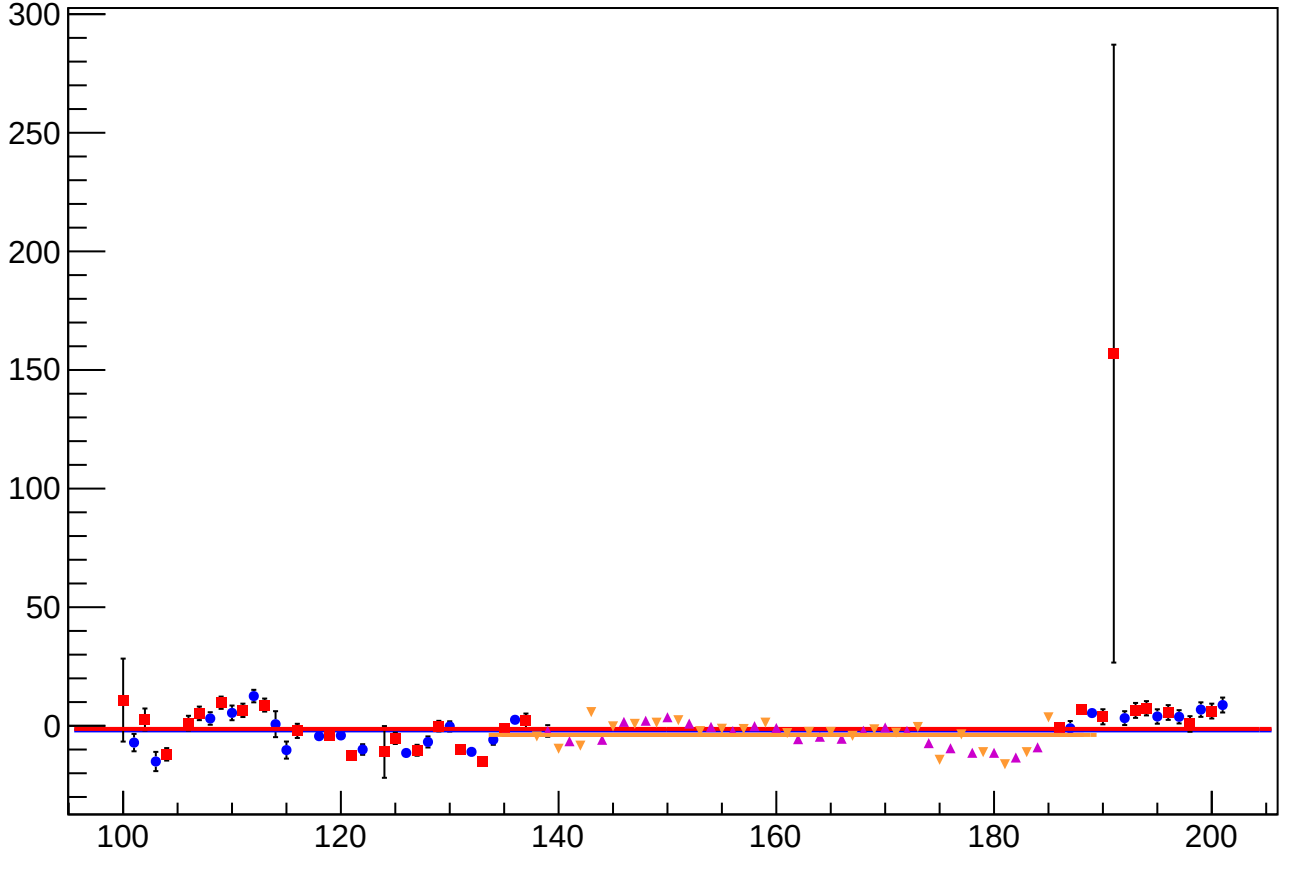
Right: -7.935+/-0.310 χ^2/NDF: 6146.1/50

In: 15.916+/-0.244 χ^2/NDF:7093.6/45

Out: 13.991+/-0.233 χ^2/NDF:10055.7/52

All: 14.910+/-0.169 χ^2/NDF: 17181.7/98

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: -1.308+/-0.465 χ^2/NDF: 241.0/27

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

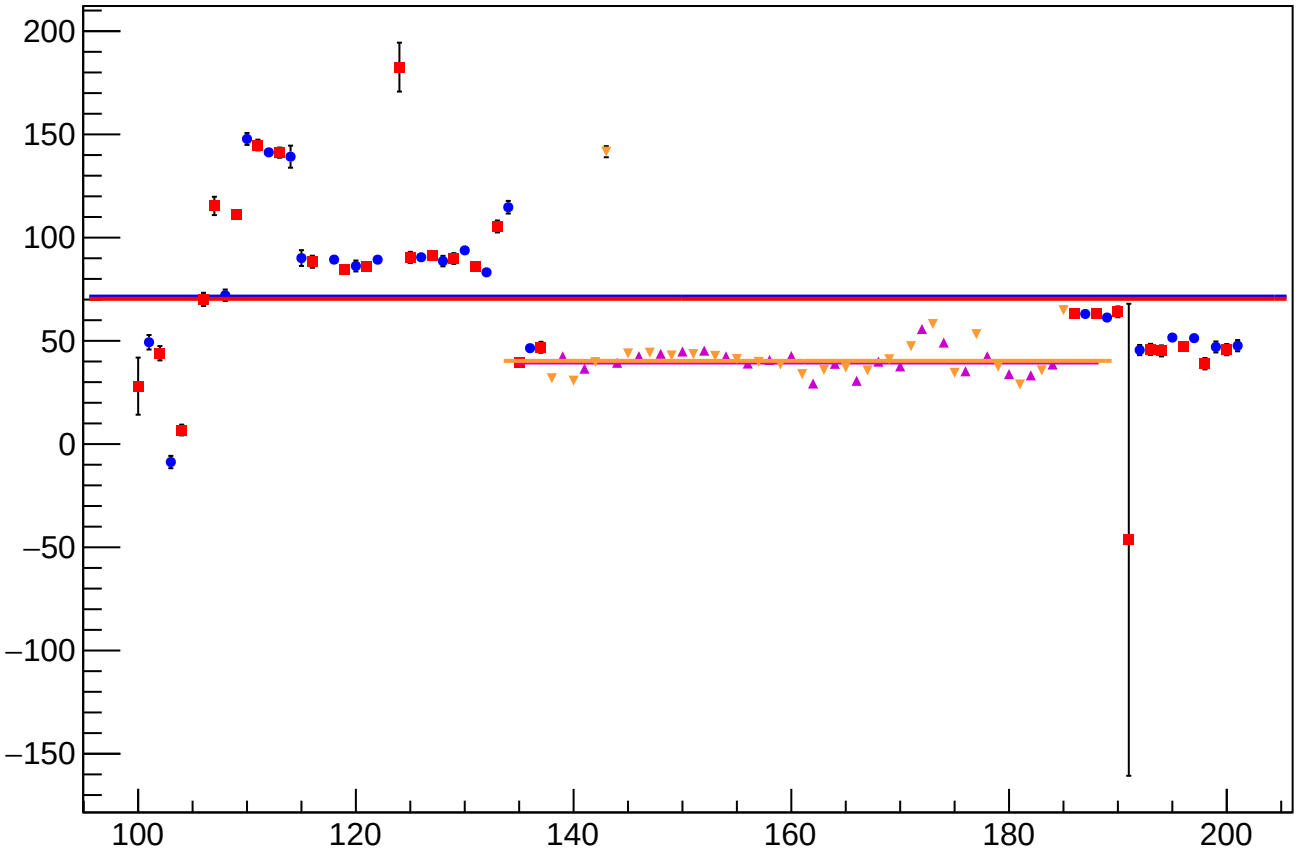
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.608+/-0.337 χ^2/NDF: 418.6/50

In: -3.462+/-0.203 χ^2/NDF:698.3/45

Out: -3.389+/-0.197 χ^2/NDF:914.7/52

All: -3.425+/-0.142 χ^2/NDF: 1613.1/98



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: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

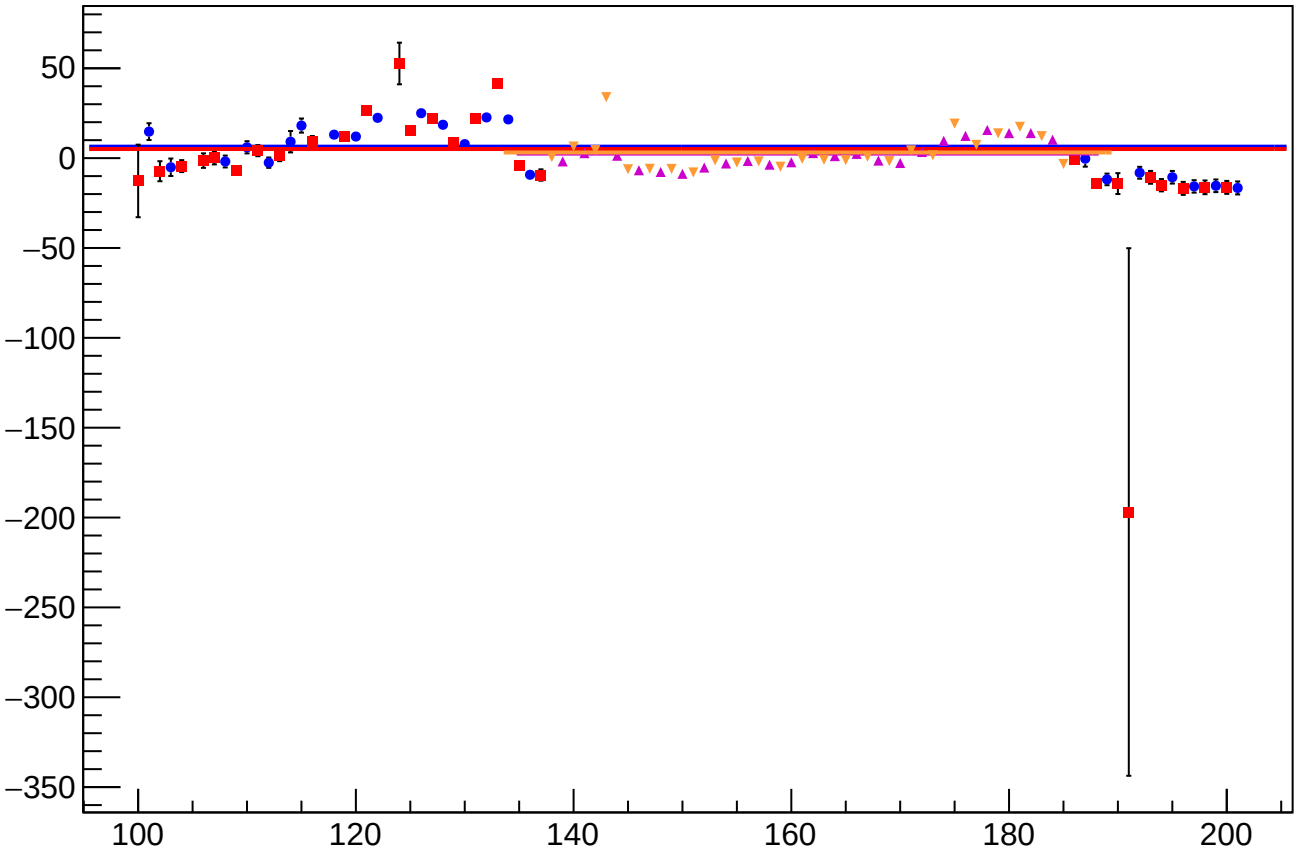
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 70.816+/-0.313 χ^2/NDF: 8299.8/50

In: 47.842+/-0.245 χ^2/NDF:7710.3/45

Out: 49.778+/-0.232 χ^2/NDF:10107.4/52

All: 48.862+/-0.168 χ^2/NDF: 17850.7/98



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: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

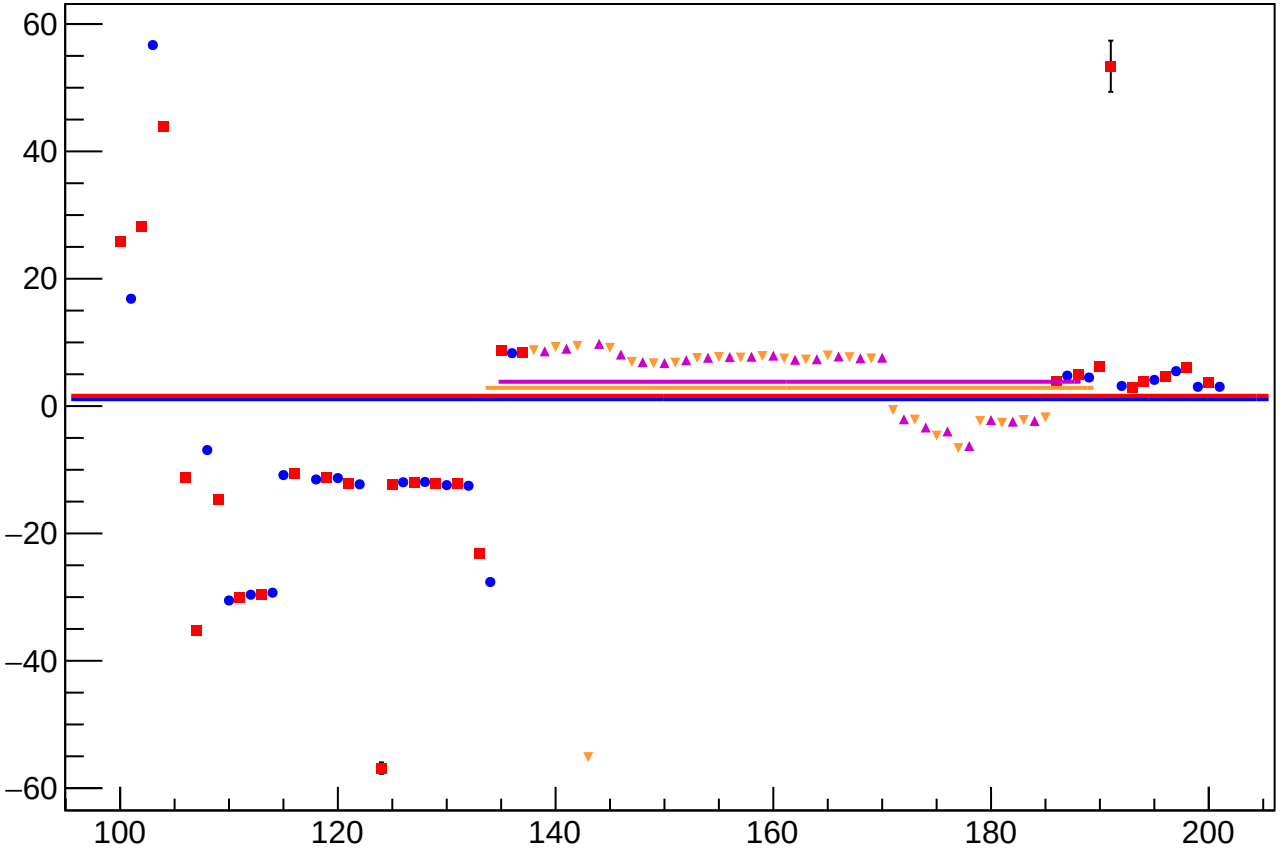
Right: 5.711+/-0.397 χ^2/NDF: 1392.9/50

In: 3.151+/-0.230 χ^2/NDF:1603.5/45

Out: 3.458+/-0.224 χ^2/NDF:2070.8/52

All: 3.308+/-0.160 χ^2/NDF: 3675.2/98

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: 1.625+/-0.028 χ^2/NDF: 325225.6/27

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

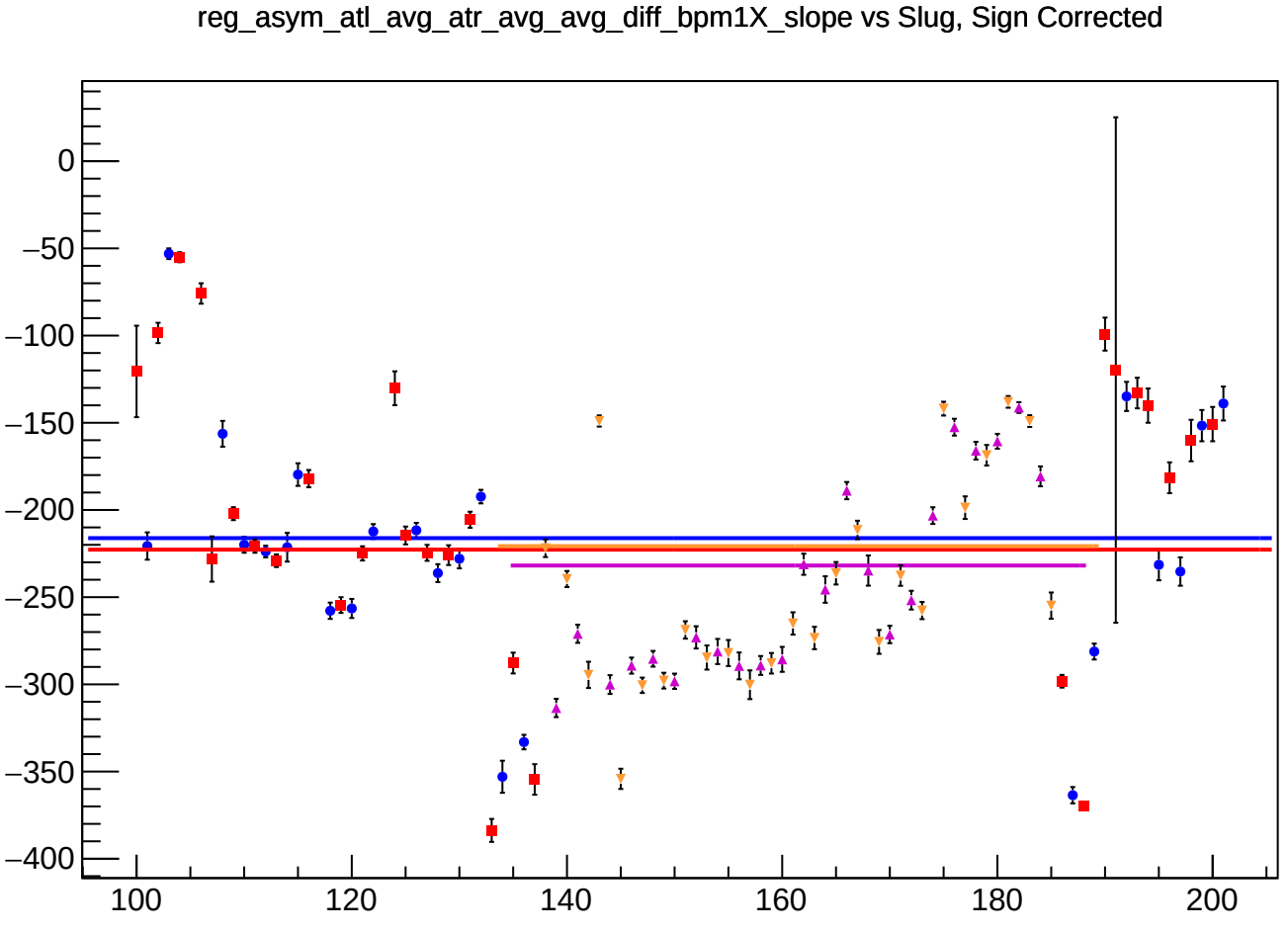
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 1.354+/-0.020 χ^2/NDF: 700285.9/50

In: 3.447+/-0.010 χ^2/NDF:616510.7/45

Out: 2.701+/-0.010 χ^2/NDF:839304.7/52

All: 3.070+/-0.007 χ^2/NDF: 1458460.0/98



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: -222.754+/-0.956 χ^2/NDF: 10042.4/27

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

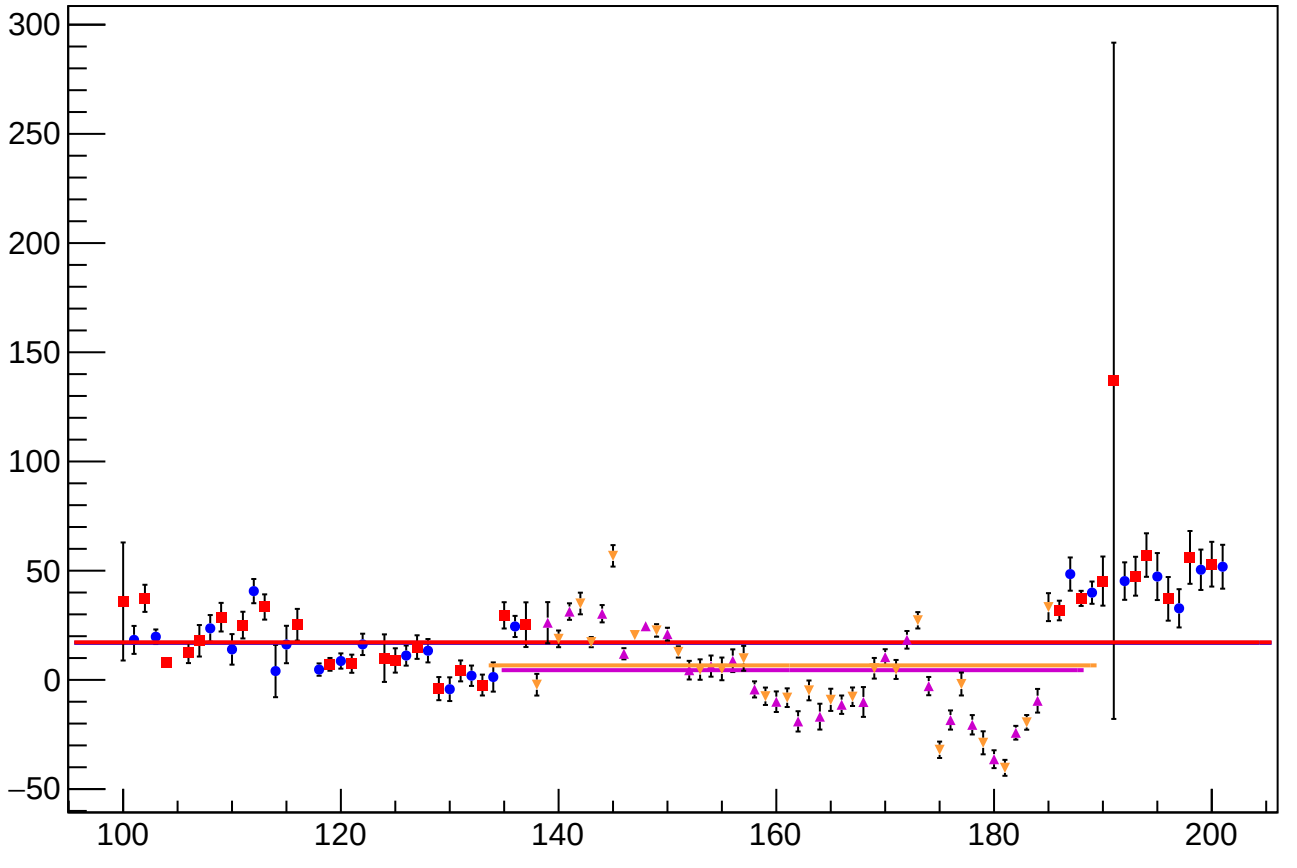
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

Right: -219.827+/-0.713 χ^2/NDF: 15610.0/50

In: -223.970+/-0.760 χ^2/NDF:8813.8/45

Out: -221.802+/-0.697 χ^2/NDF:14096.7/52

All: -222.793+/-0.513 χ^2/NDF: 22915.0/98



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: 17.195+/-1.007 χ^2/NDF: 212.8/27

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

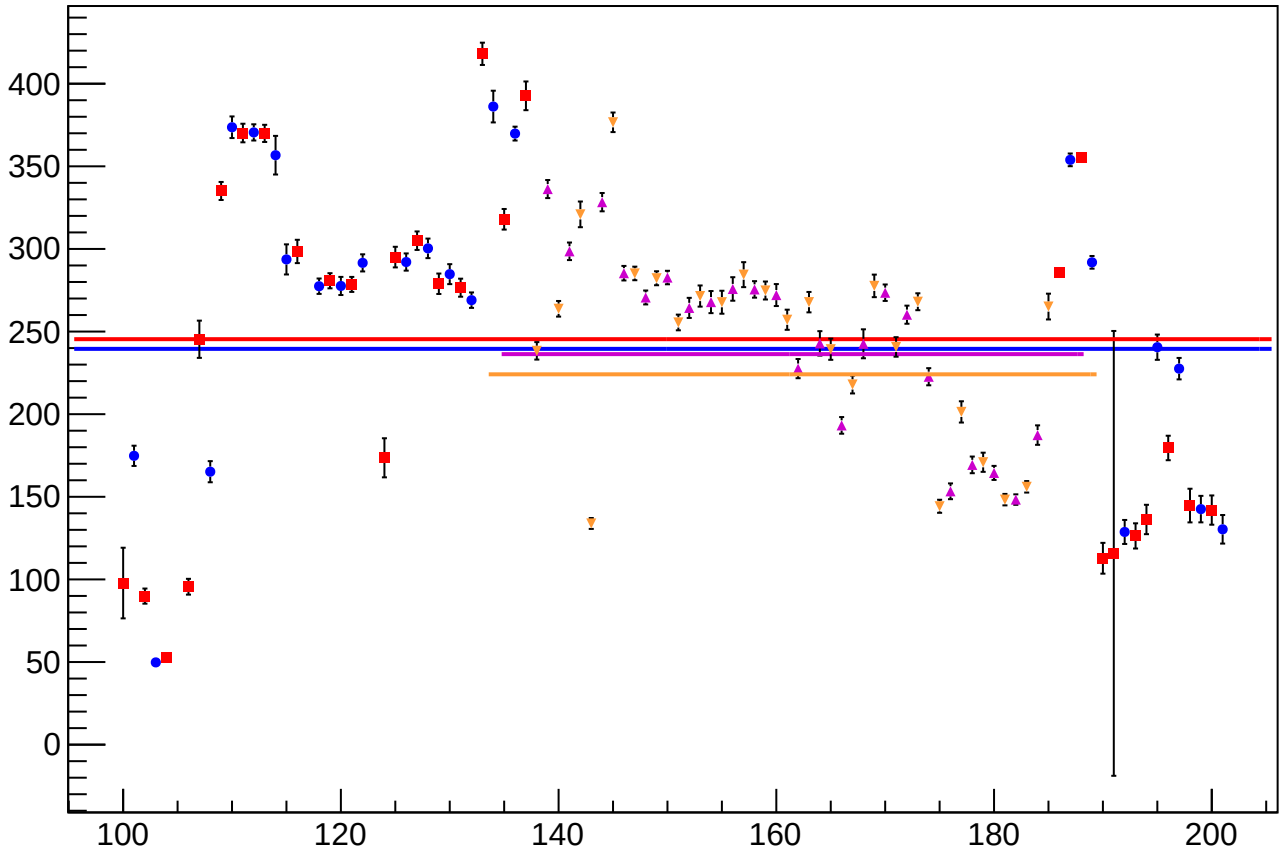
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 17.087+/-0.748 χ^2/NDF: 379.1/50

In: 8.745+/-0.654 χ^2/NDF:815.9/45

Out: 10.421+/-0.603 χ^2/NDF:1018.2/52

All: 9.651+/-0.443 χ^2/NDF: 1837.7/98



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: 245.395+/-0.933 χ^2/NDF: 16379.2/27

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

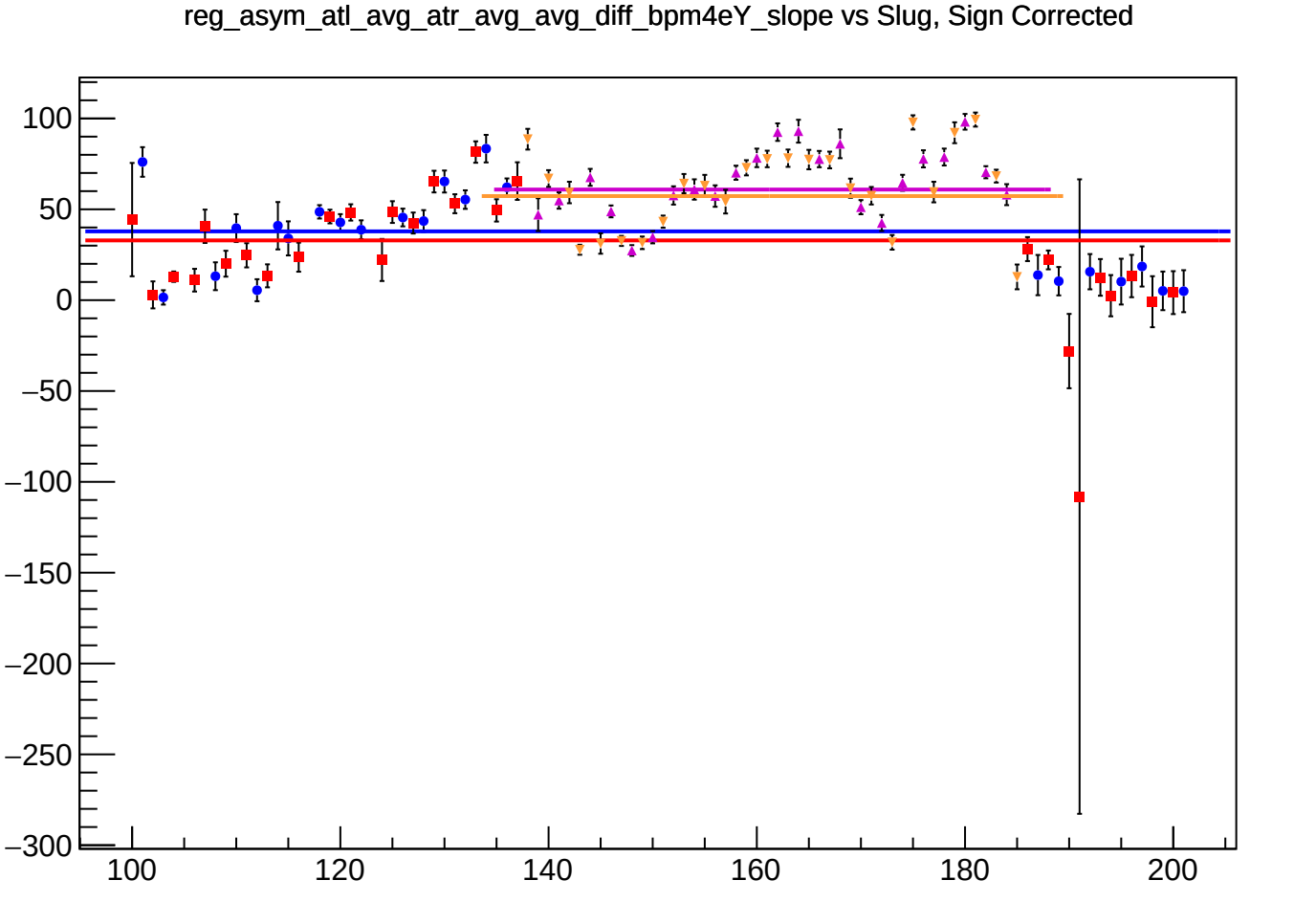
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 242.893+/-0.706 χ^2/NDF: 27440.2/50

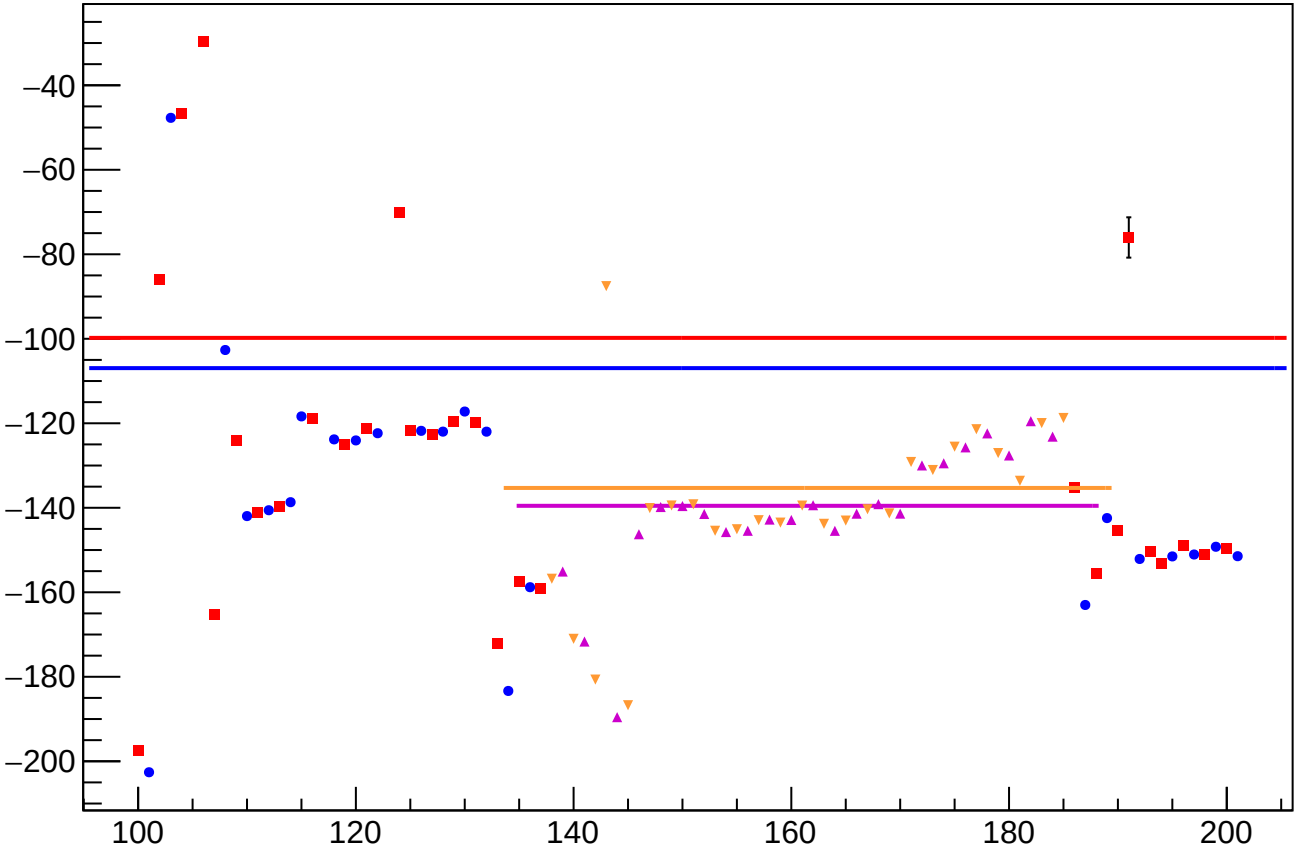
In: 237.913+/-0.759 χ^2/NDF:14041.5/45

Out: 235.640+/-0.686 χ^2/NDF:20584.3/52

All: 236.662+/-0.509 χ^2/NDF: 34630.7/98


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 37.863+/-1.315 χ²/NDF: 299.5/22
Left Out: 57.288+/-0.868 χ²/NDF:767.9/24
Right Out: 32.885+/-1.216 χ²/NDF: 297.9/27
Left In: 60.877+/-0.923 χ²/NDF:454.7/22
Left: 58.973+/-0.632 χ²/NDF: 1230.6/47
Right: 35.178+/-0.893 χ²/NDF: 605.1/50
In: 53.288+/-0.755 χ²/NDF:959.4/45
Out: 49.050+/-0.706 χ²/NDF:1332.6/52
All: 51.028+/-0.516 χ²/NDF: 2308.8/98

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -99.786+/-0.059 χ^2/NDF: 687506.6/27

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

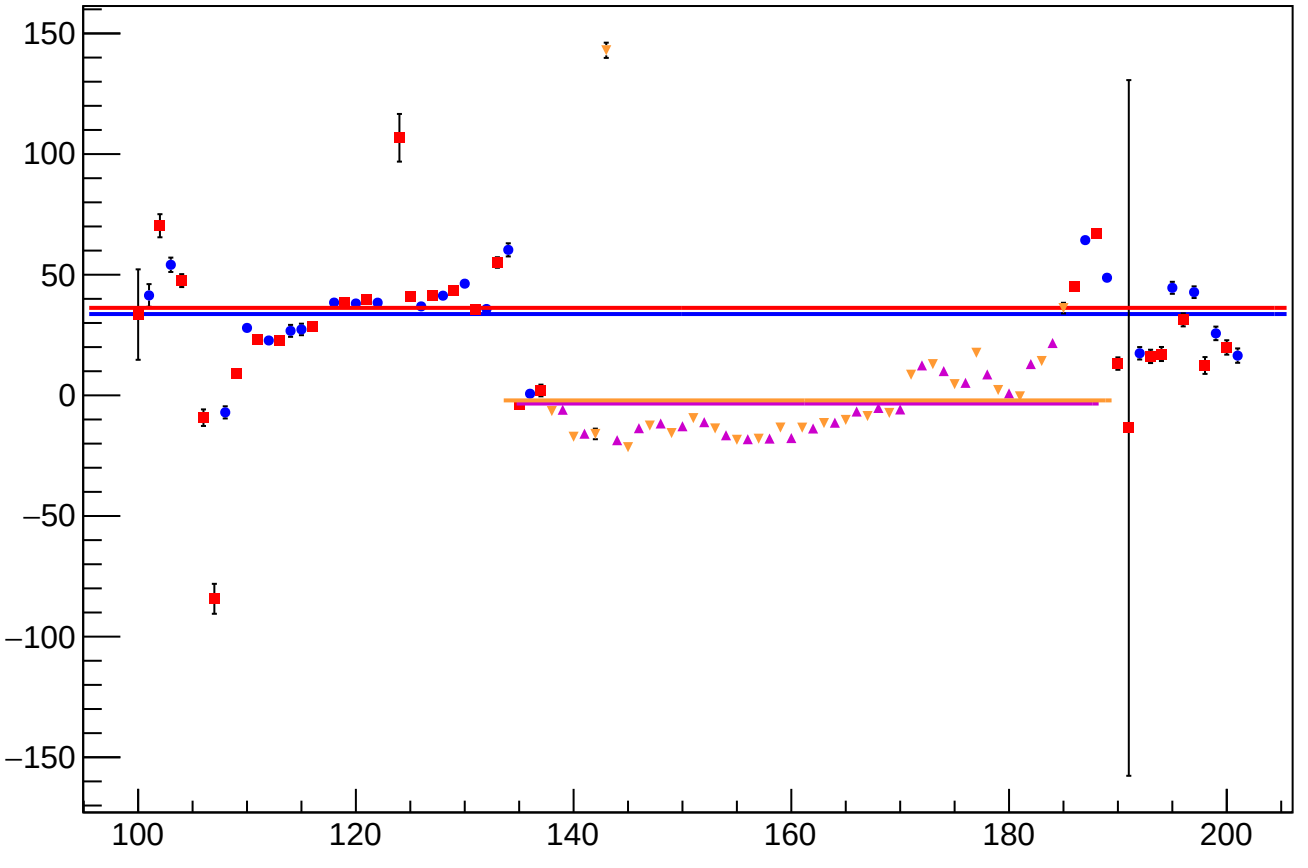
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -103.215+/-0.043 χ^2/NDF: 1346047.4/50

In: -129.192+/-0.035 χ^2/NDF:956063.6/45

Out: -123.959+/-0.033 χ^2/NDF:1195164.3/52

All: -126.474+/-0.024 χ^2/NDF: 2162978.3/98



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: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

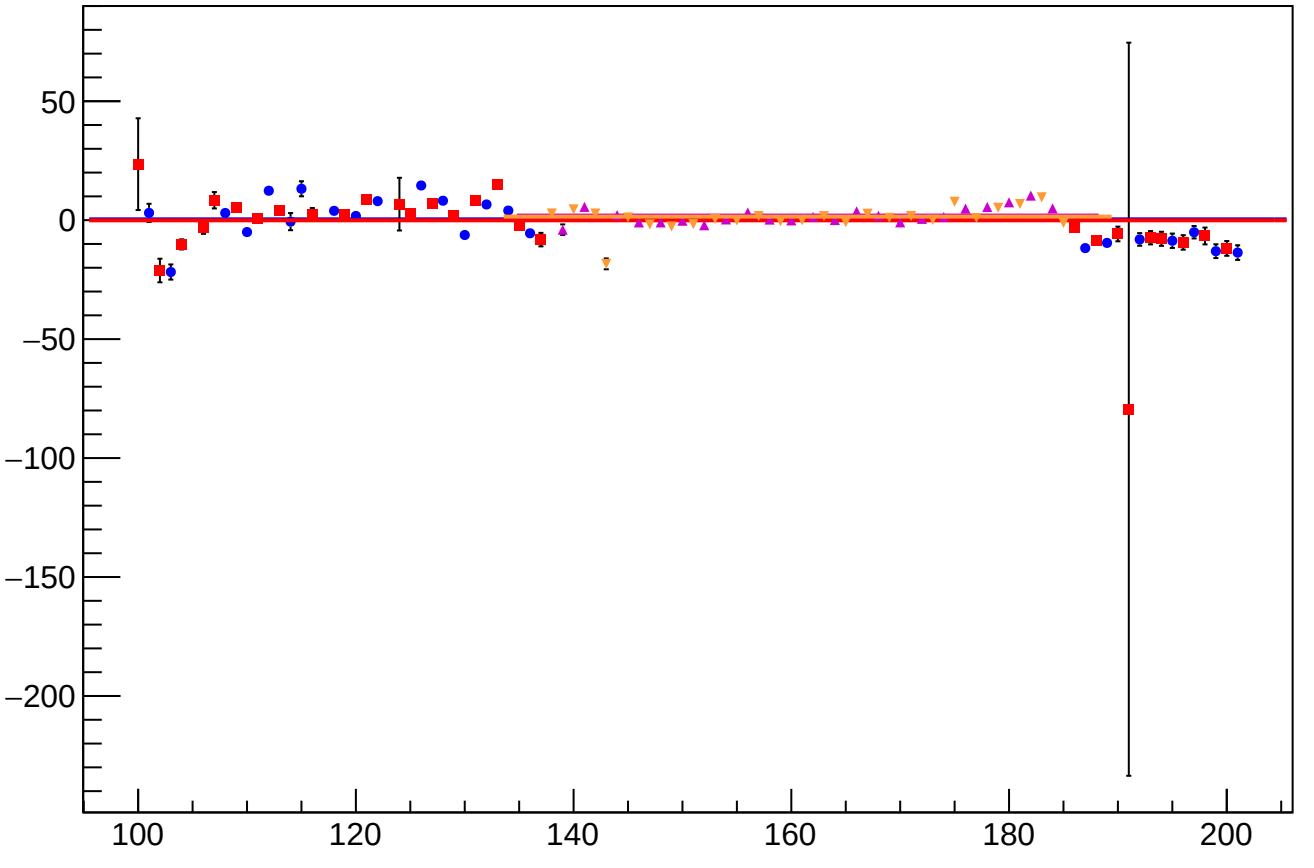
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.161+/-0.241 χ^2/NDF: 6861.3/50

In: 9.724+/-0.218 χ^2/NDF:10628.7/45

Out: 13.718+/-0.205 χ^2/NDF:17288.7/52

All: 11.850+/-0.149 χ^2/NDF: 28095.9/98



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: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

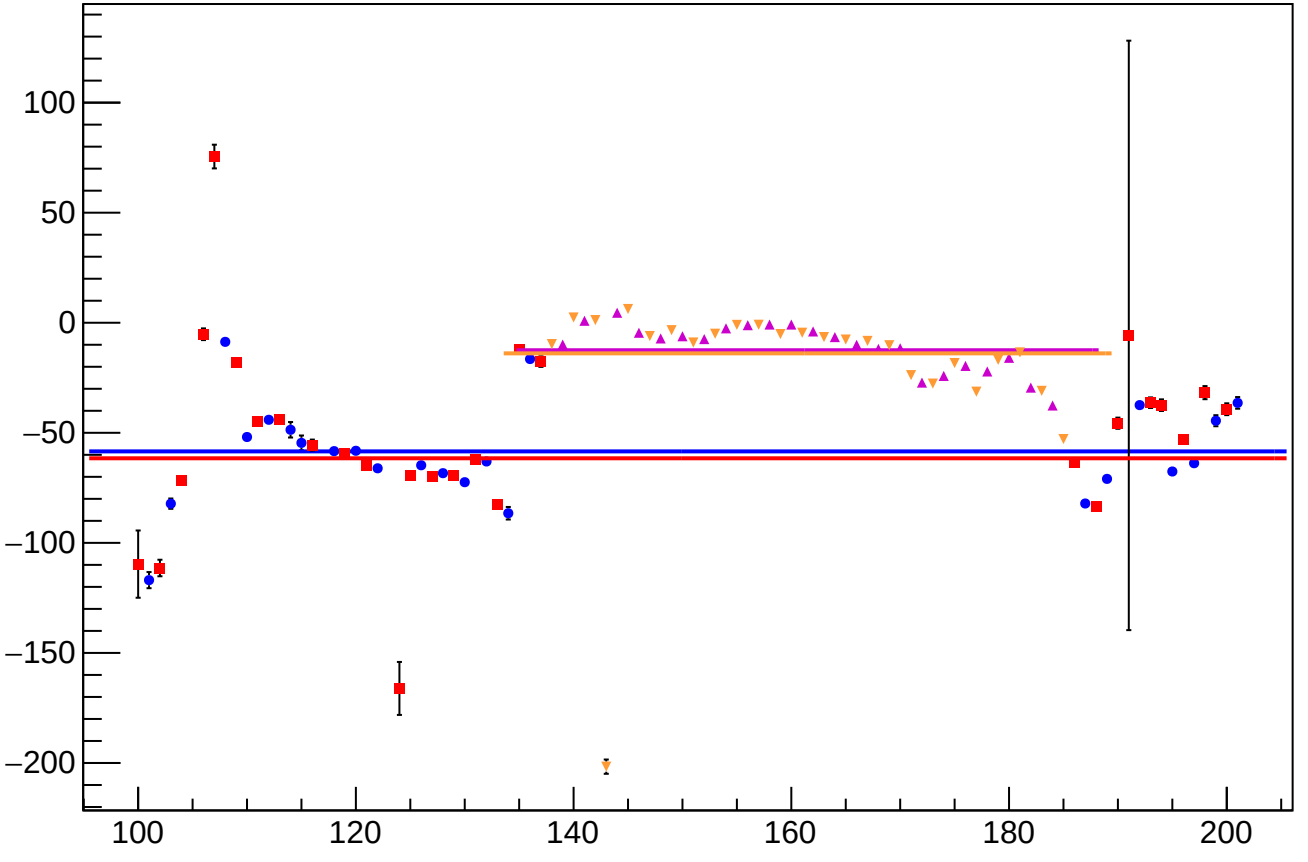
Right: 0.124+/-0.269 χ^2/NDF: 788.8/50

In: 1.582+/-0.186 χ^2/NDF:678.5/45

Out: 1.120+/-0.179 χ^2/NDF:705.3/52

All: 1.342+/-0.129 χ^2/NDF: 1387.0/98

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: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

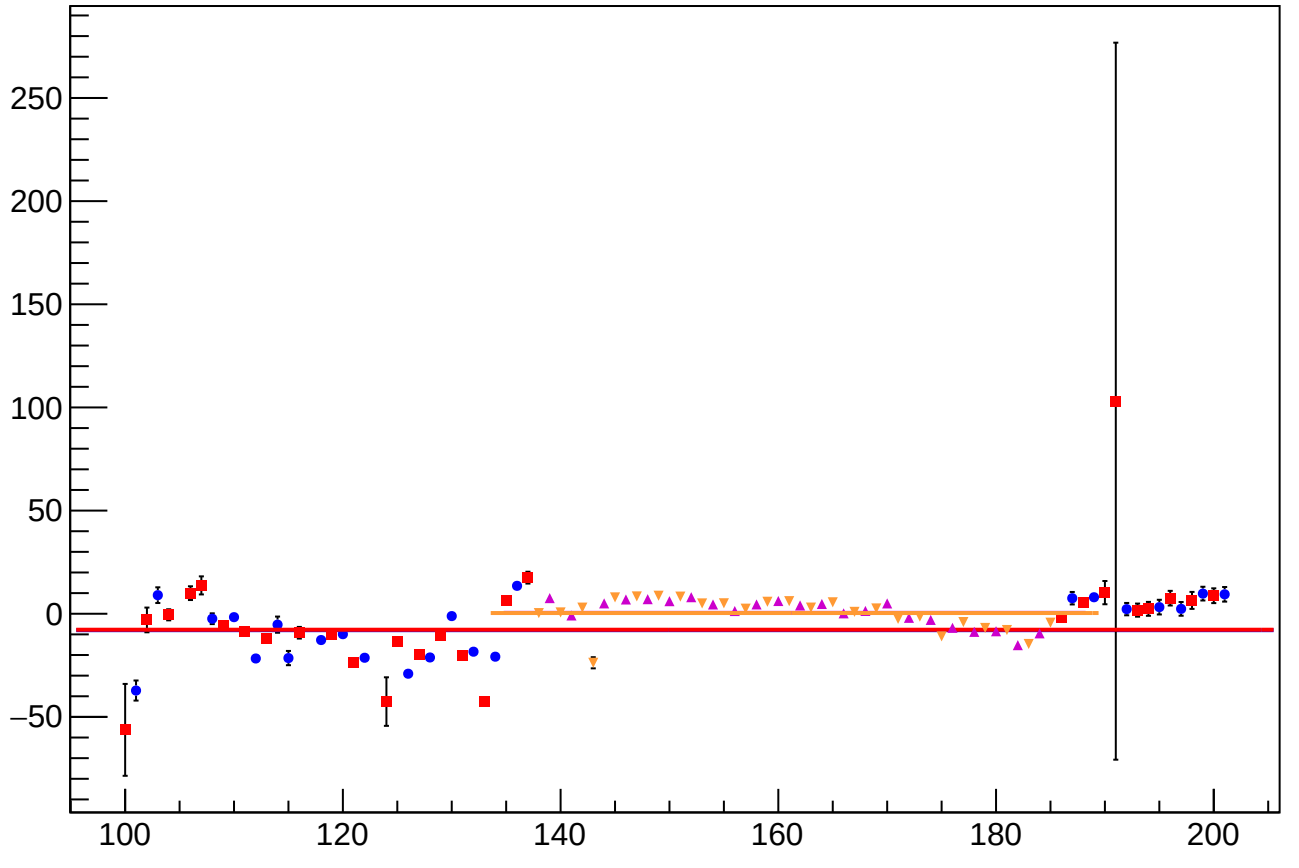
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

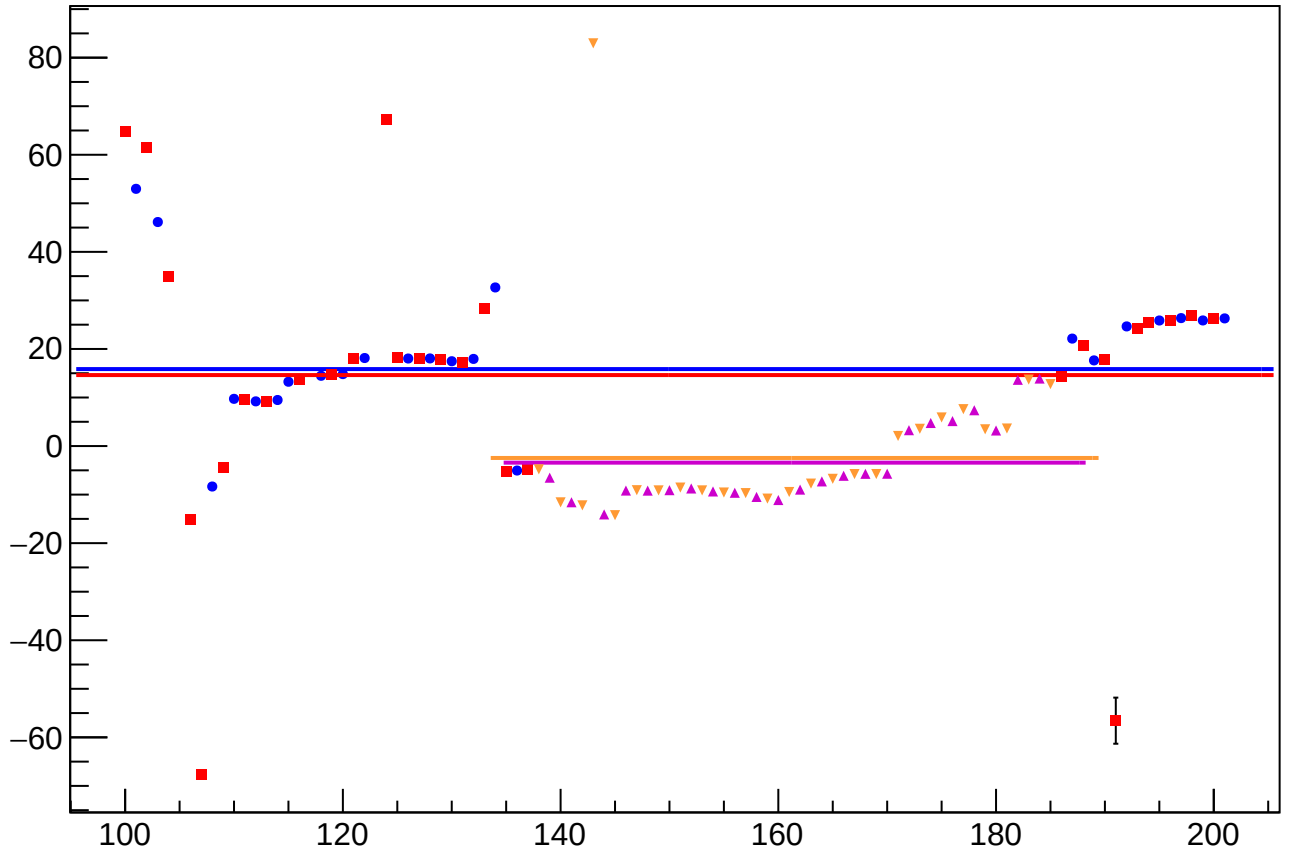
Right: -60.310+/-0.242 χ^2/NDF: 8742.6/50

In: -27.737+/-0.220 χ^2/NDF:14454.8/45

Out: -33.702+/-0.202 χ^2/NDF:23972.9/52

All: -30.963+/-0.149 χ^2/NDF: 38826.5/98


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -7.964+/-0.463 χ²/NDF: 852.4/22
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -7.745+/-0.444 χ²/NDF: 886.4/27
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -7.850+/-0.321 χ²/NDF: 1738.9/50
In: -1.305+/-0.211 χ²/NDF:1895.1/45
Out: -1.379+/-0.205 χ²/NDF:2068.9/52
All: -1.343+/-0.147 χ²/NDF: 3964.2/98



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: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

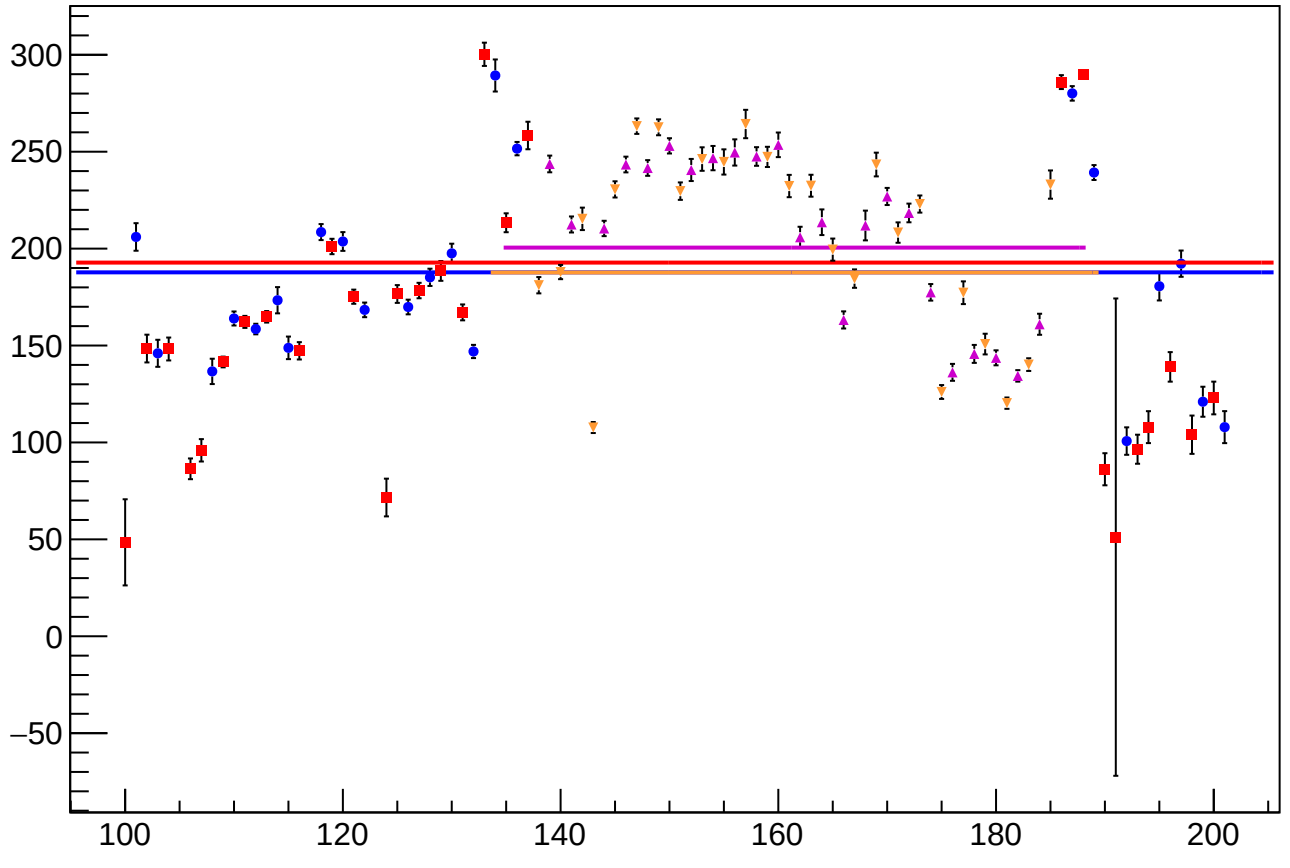
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 15.235+/-0.017 χ^2/NDF: 955909.4/50

In: -0.378+/-0.010 χ^2/NDF:1505904.1/45

Out: 0.228+/-0.010 χ^2/NDF:1921796.6/52

All: -0.073+/-0.007 χ^2/NDF: 3429711.7/98



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: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

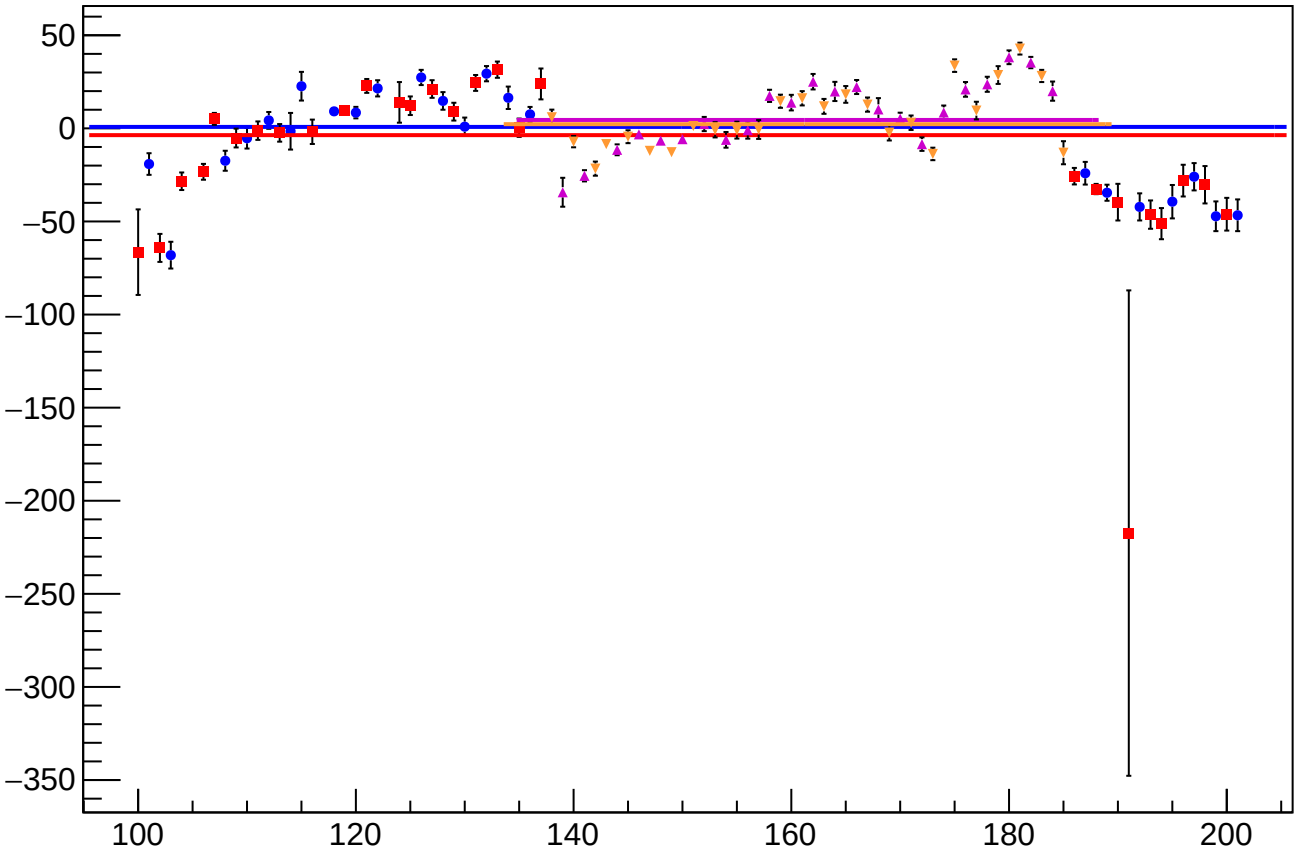
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 190.592+/-0.638 χ^2/NDF: 7987.6/50

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98



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: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

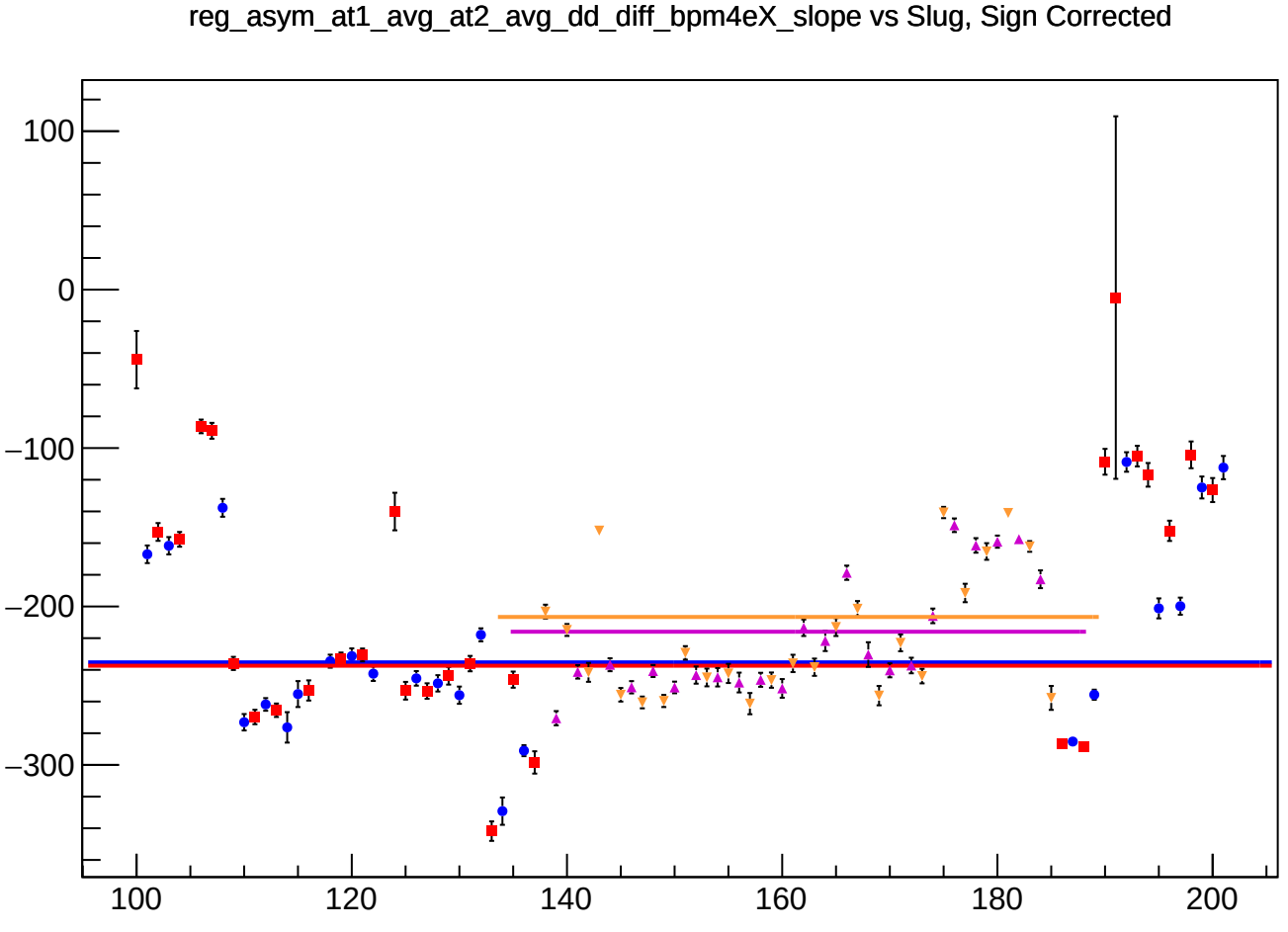
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

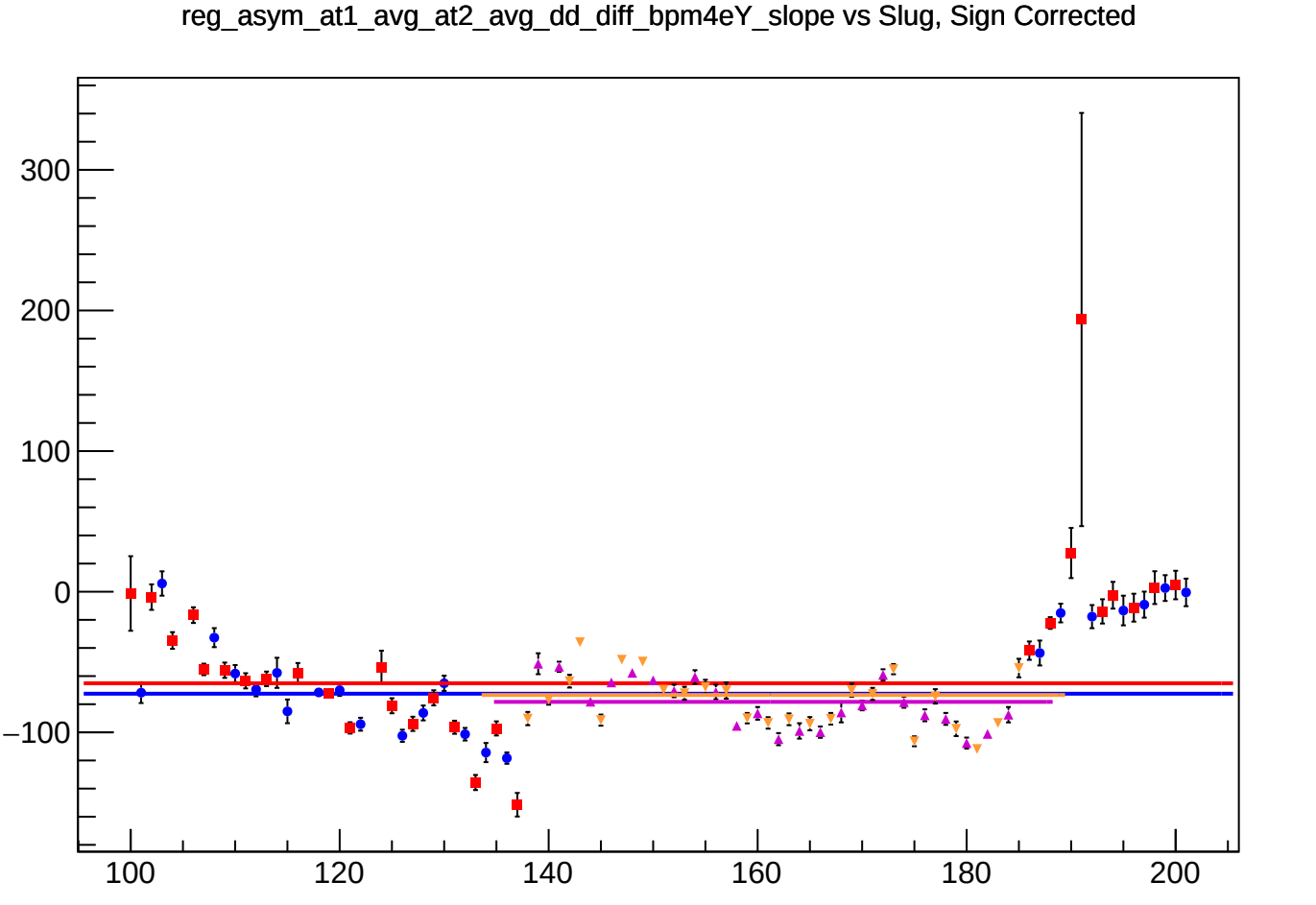
Right: -1.621+/-0.688 χ^2/NDF: 1129.9/50

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

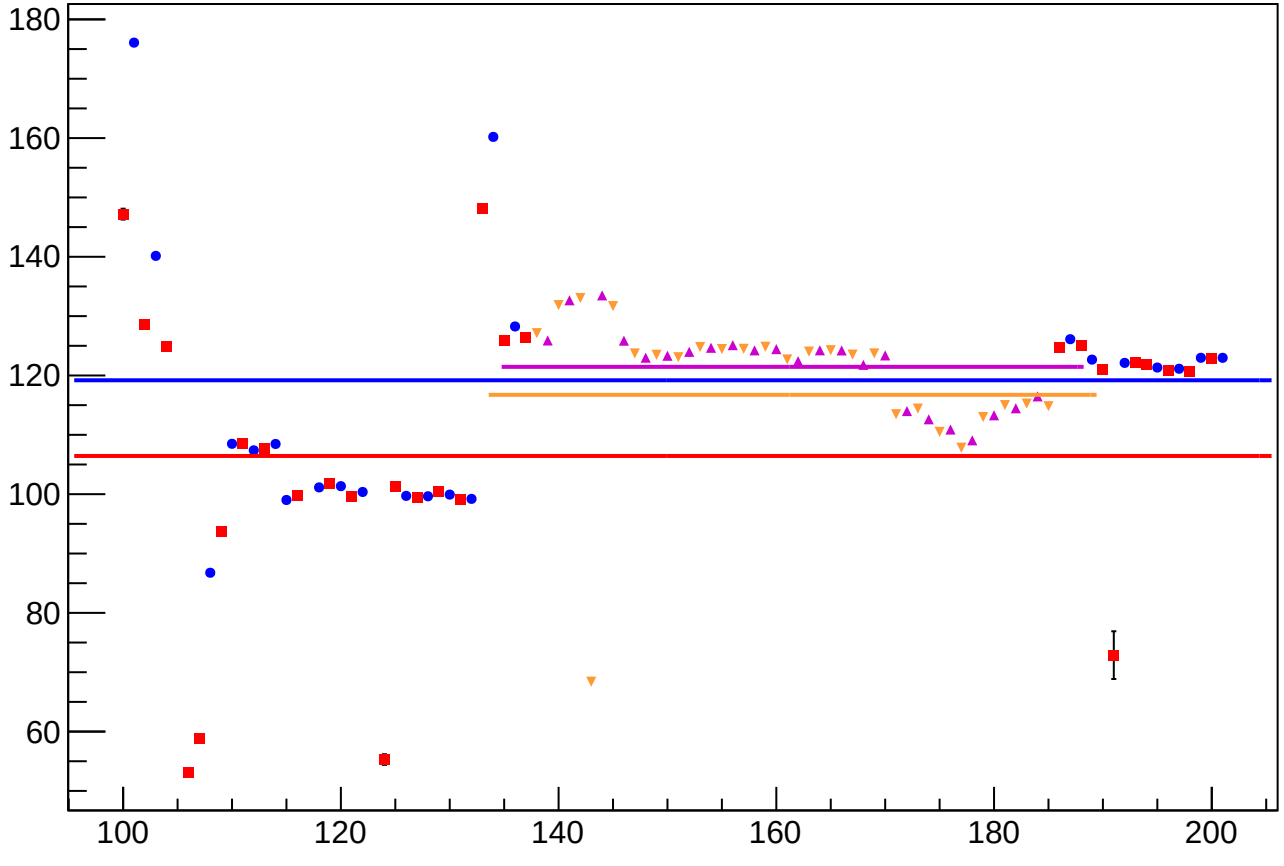
Out: 0.266+/-0.541 χ^2/NDF:1253.5/52

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -235.258+/-1.014 χ²/NDF: 2506.9/22
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -237.392+/-0.859 χ²/NDF: 6198.1/27
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -236.499+/-0.656 χ²/NDF: 8707.6/50
In: -224.933+/-0.692 χ²/NDF:4413.0/45
Out: -222.622+/-0.620 χ²/NDF:9281.2/52
All: -223.651+/-0.462 χ²/NDF: 13700.4/98


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -72.530+/-1.198 χ²/NDF: 743.8/22
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -65.116+/-1.120 χ²/NDF: 978.1/27
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -68.574+/-0.818 χ²/NDF: 1742.3/50
In: -76.487+/-0.675 χ²/NDF:1203.0/45
Out: -70.773+/-0.633 χ²/NDF:1852.1/52
All: -73.445+/-0.462 χ²/NDF: 3093.2/98

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: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

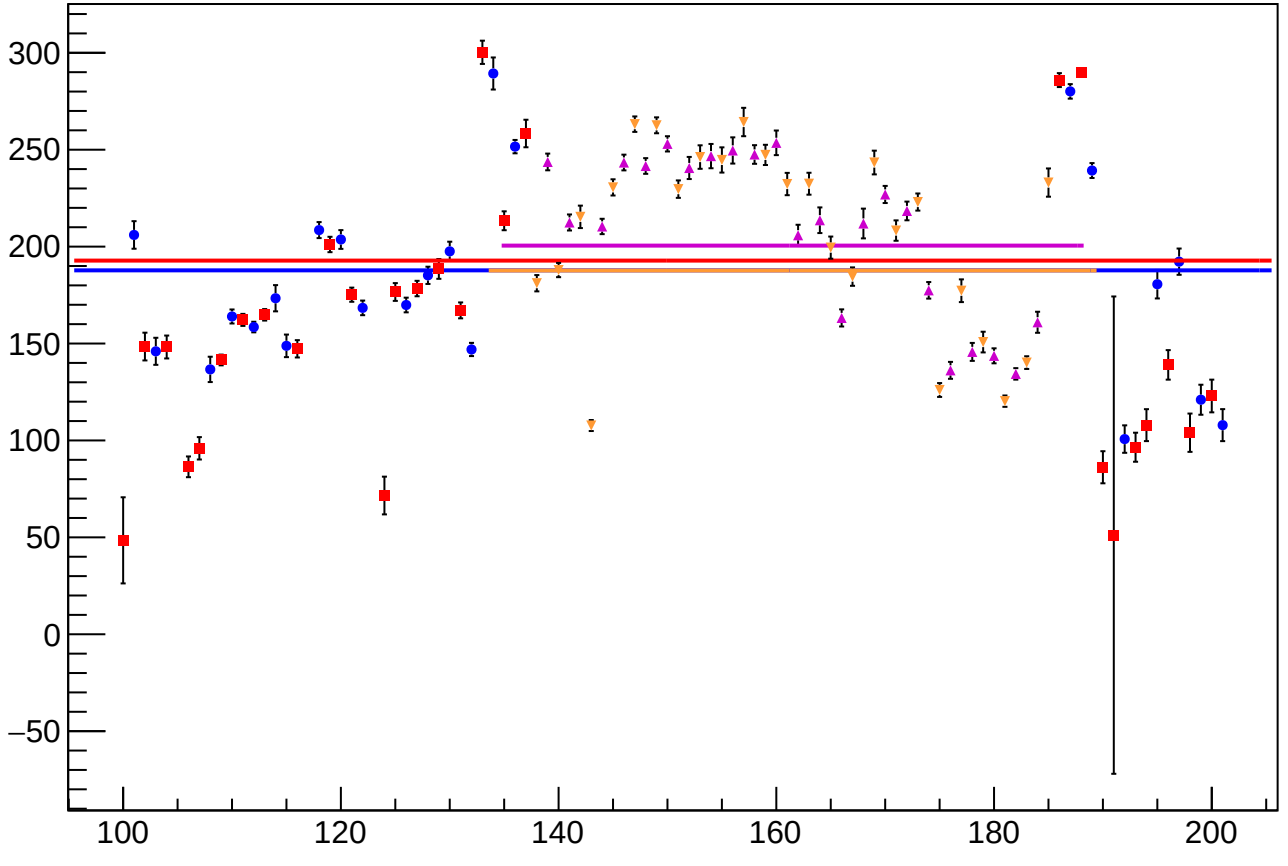
Right: 112.221+/-0.044 χ^2/NDF: 316364.2/50

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

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: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

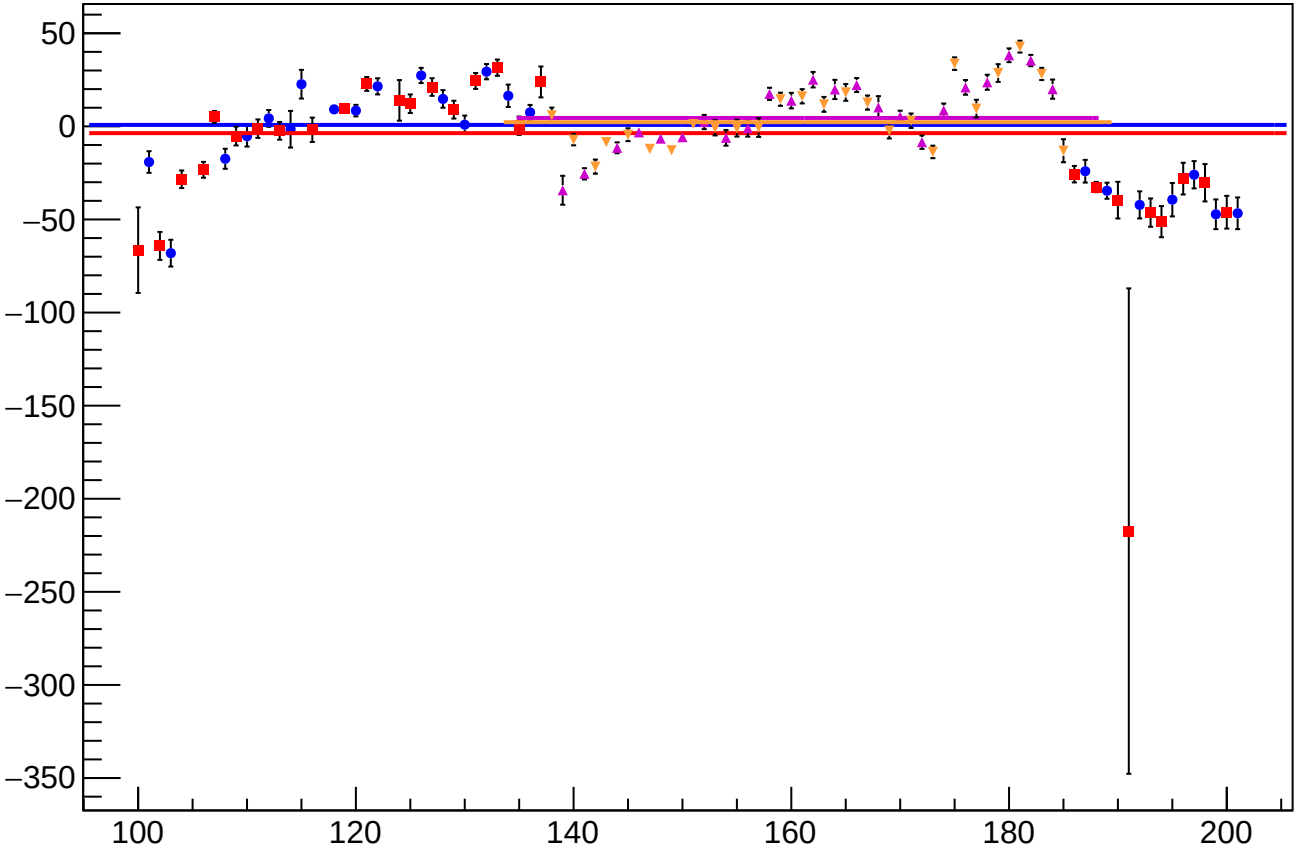
Right: 190.592+/-0.638 χ^2/NDF: 7987.6/50

In: 194.209+/-0.679 χ^2/NDF:4342.2/45

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98

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: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

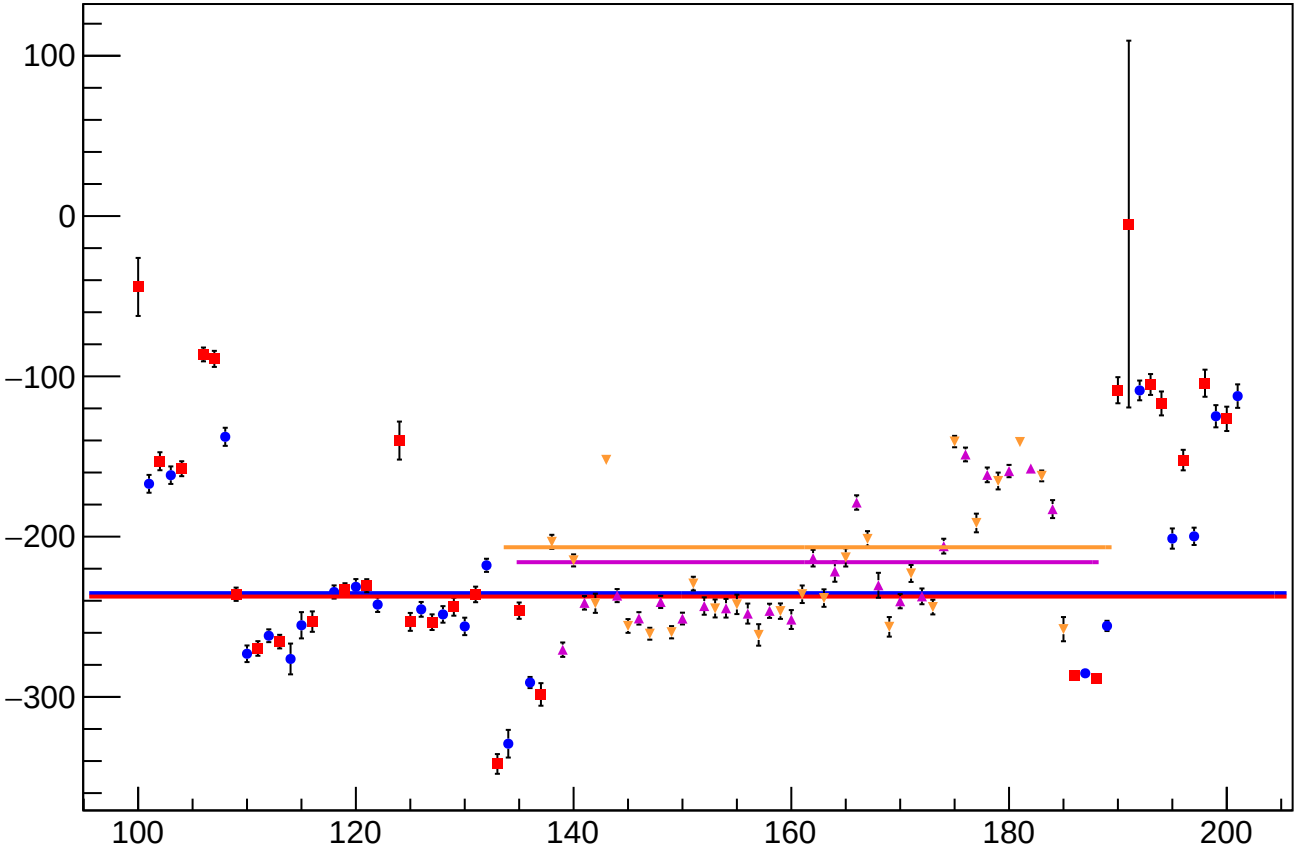
Right: -1.621+/-0.688 χ^2/NDF: 1129.9/50

In: 3.278+/-0.584 χ^2/NDF:1049.6/45

Out: 0.266+/-0.541 χ^2/NDF:1253.5/52

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

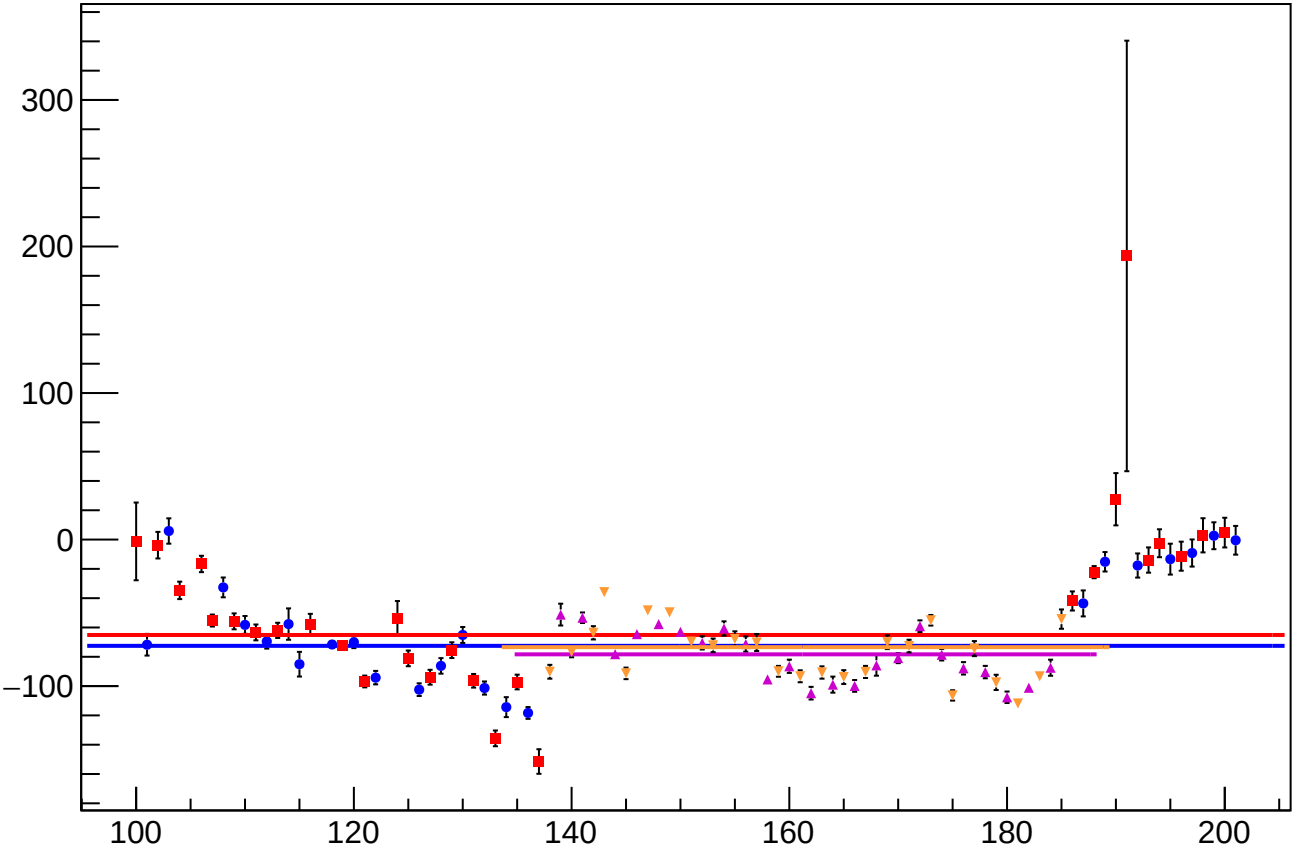
Right: -236.499+/-0.656 χ^2/NDF: 8707.6/50

In: -224.933+/-0.692 χ^2/NDF:4413.0/45

Out: -222.622+/-0.620 χ^2/NDF:9281.2/52

All: -223.651+/-0.462 χ^2/NDF: 13700.4/98

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: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

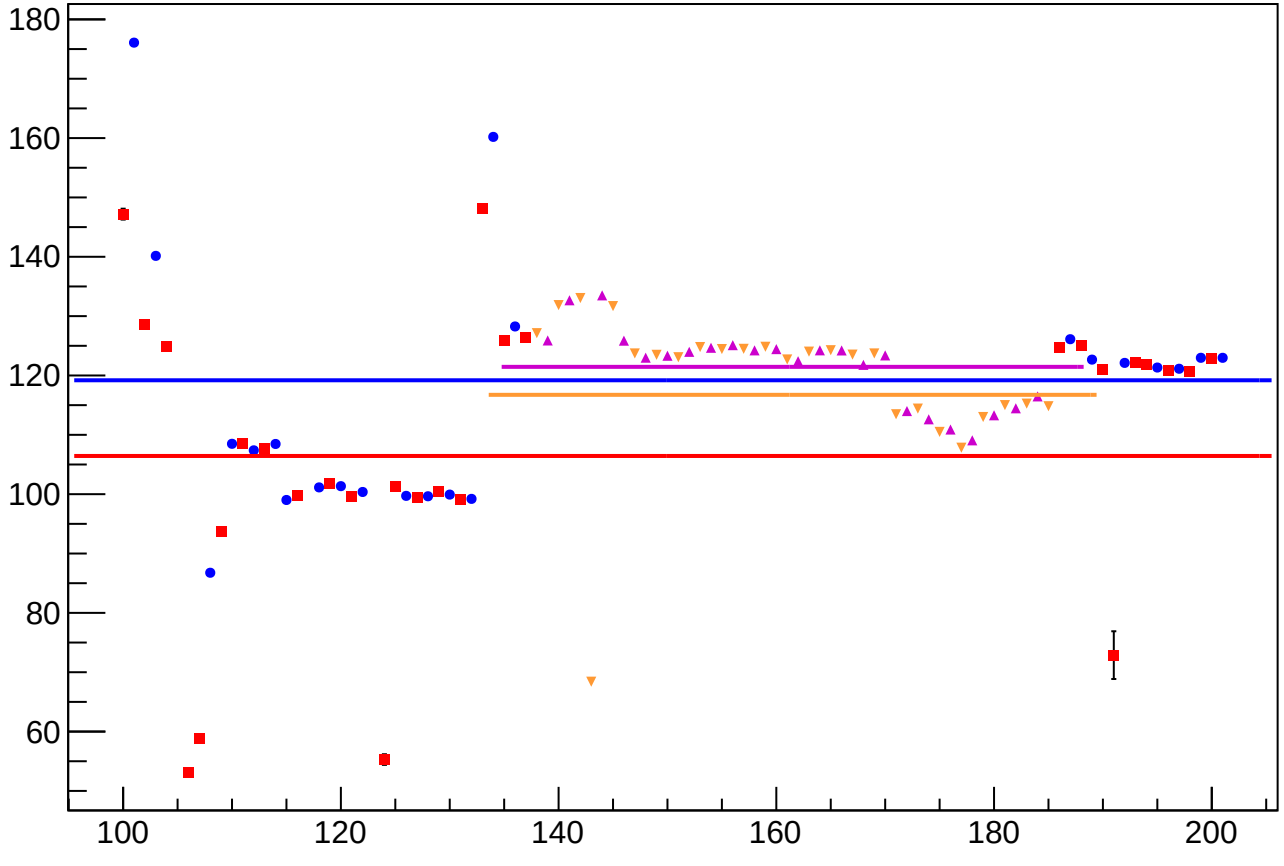
Right: -68.574+/-0.818 χ^2/NDF: 1742.3/50

In: -76.487+/-0.675 χ^2/NDF:1203.0/45

Out: -70.773+/-0.633 χ^2/NDF:1852.1/52

All: -73.445+/-0.462 χ^2/NDF: 3093.2/98

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: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

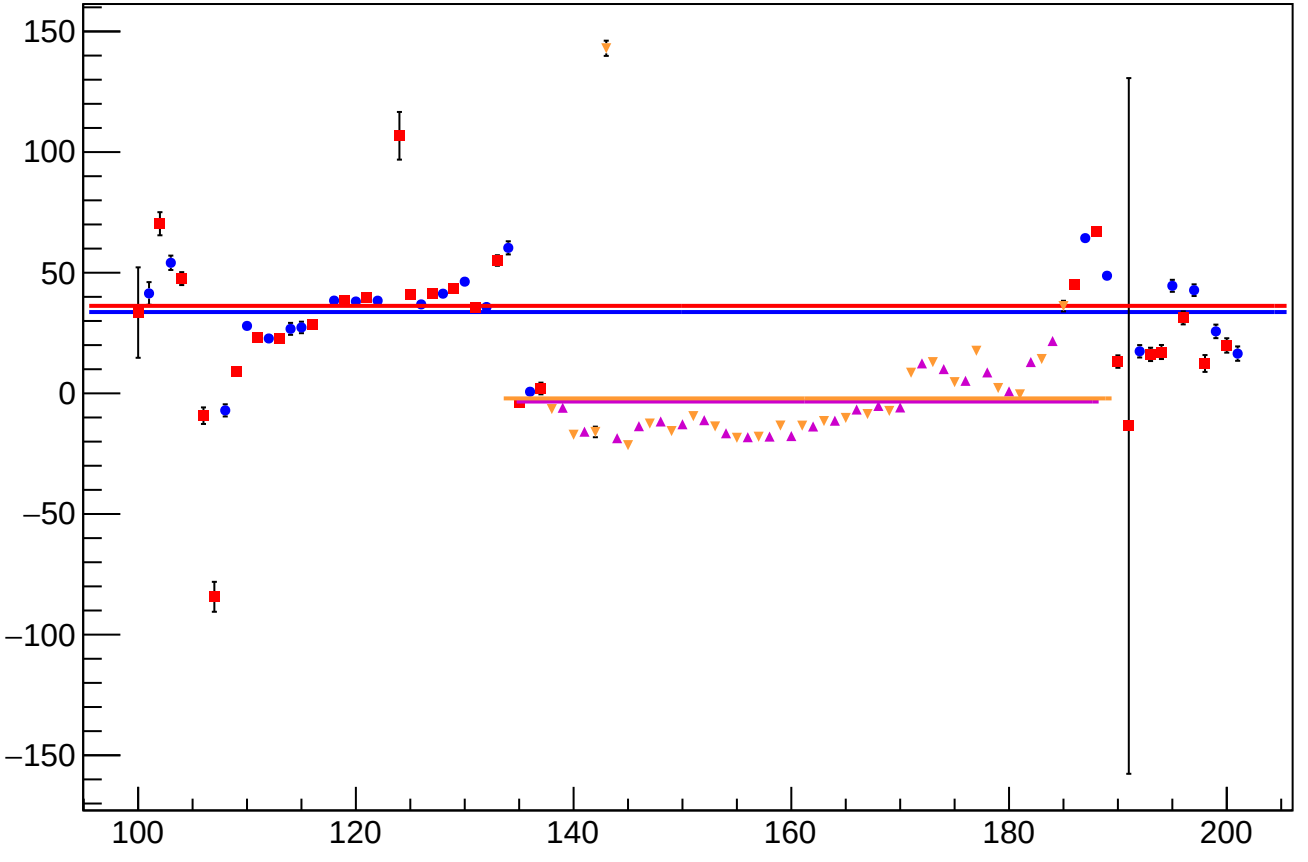
Right: 112.221+/-0.044 χ^2/NDF: 316364.2/50

In: 120.891+/-0.032 χ^2/NDF:126408.5/45

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

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: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

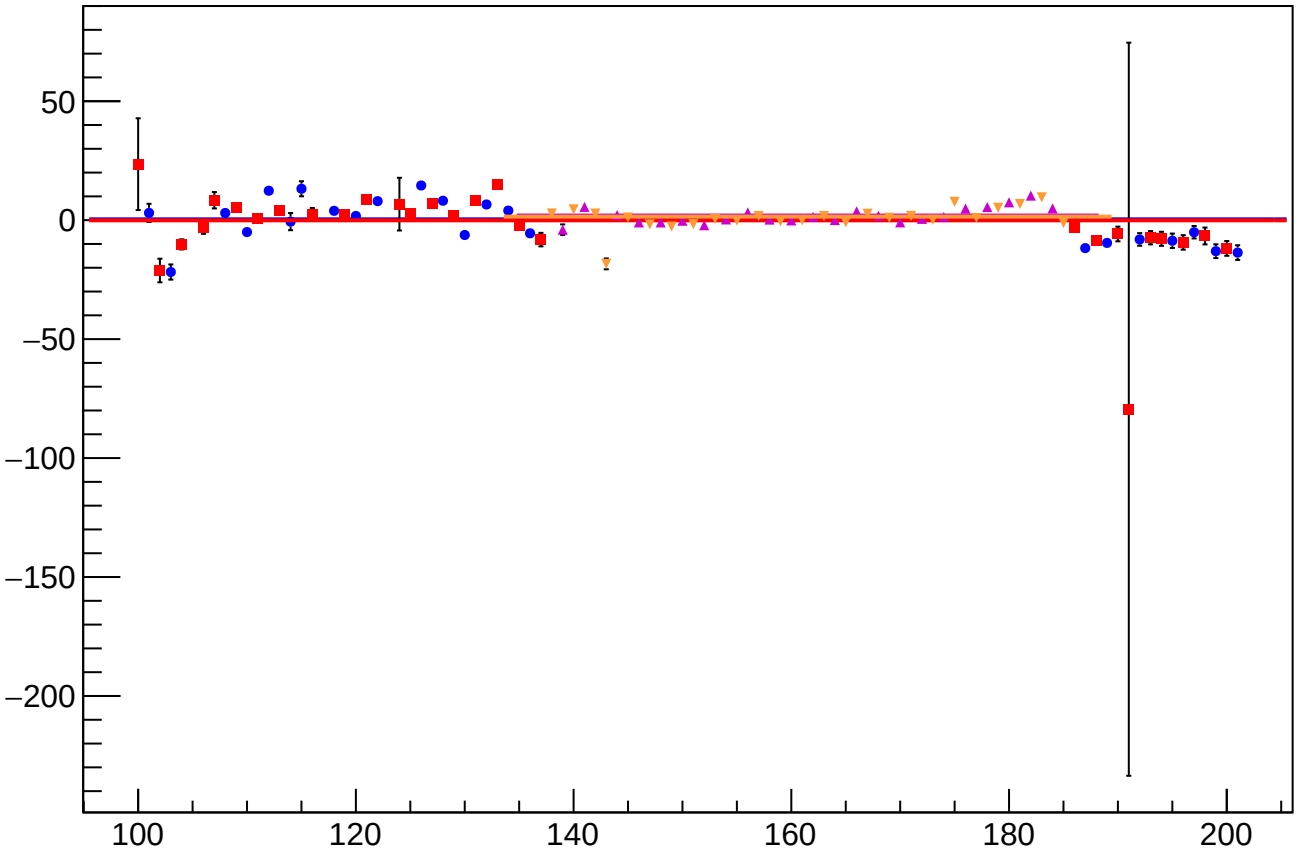
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.161+/-0.241 χ^2/NDF: 6861.3/50

In: 9.724+/-0.218 χ^2/NDF:10628.7/45

Out: 13.718+/-0.205 χ^2/NDF:17288.7/52

All: 11.850+/-0.149 χ^2/NDF: 28095.9/98



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: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

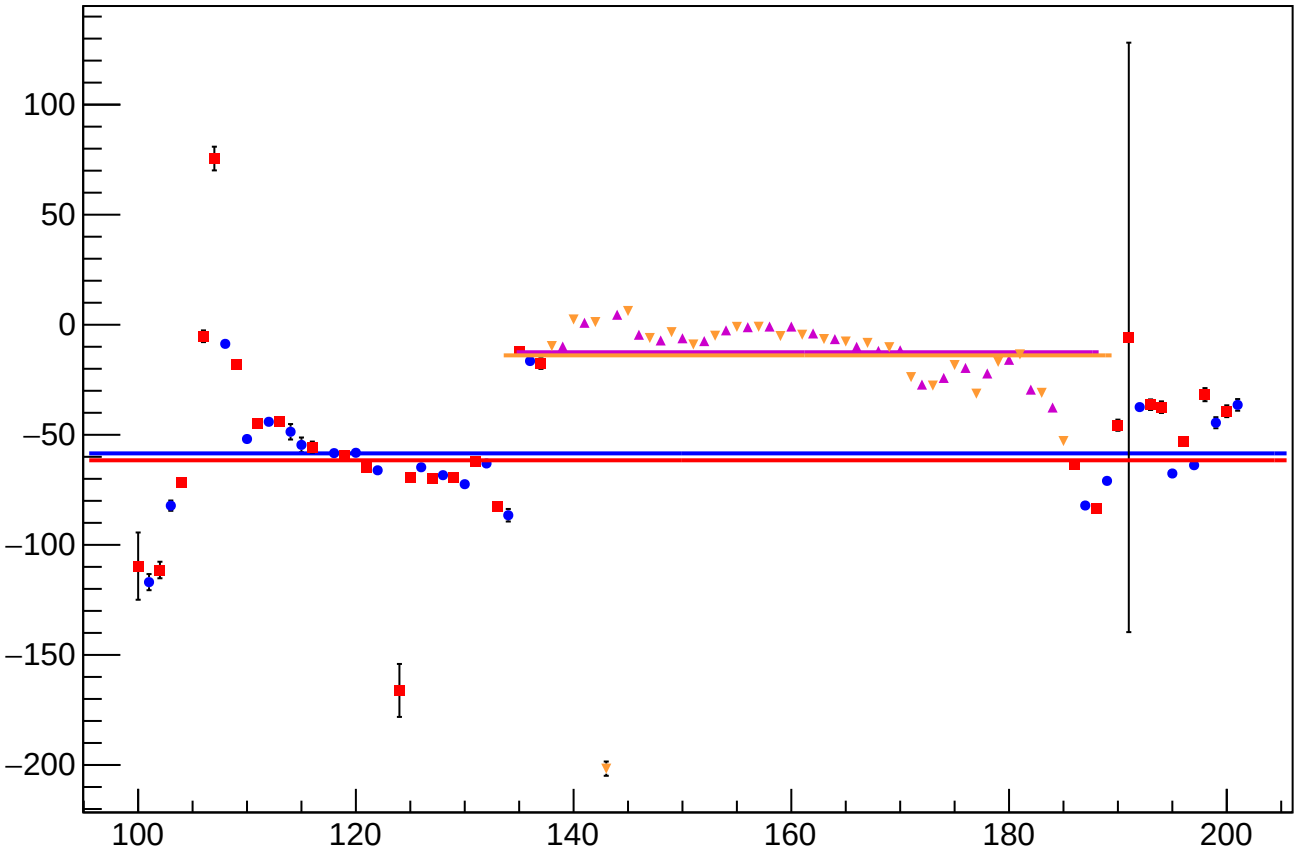
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 0.124+/-0.269 χ^2/NDF: 788.8/50

In: 1.582+/-0.186 χ^2/NDF:678.5/45

Out: 1.120+/-0.179 χ^2/NDF:705.3/52

All: 1.342+/-0.129 χ^2/NDF: 1387.0/98



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: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

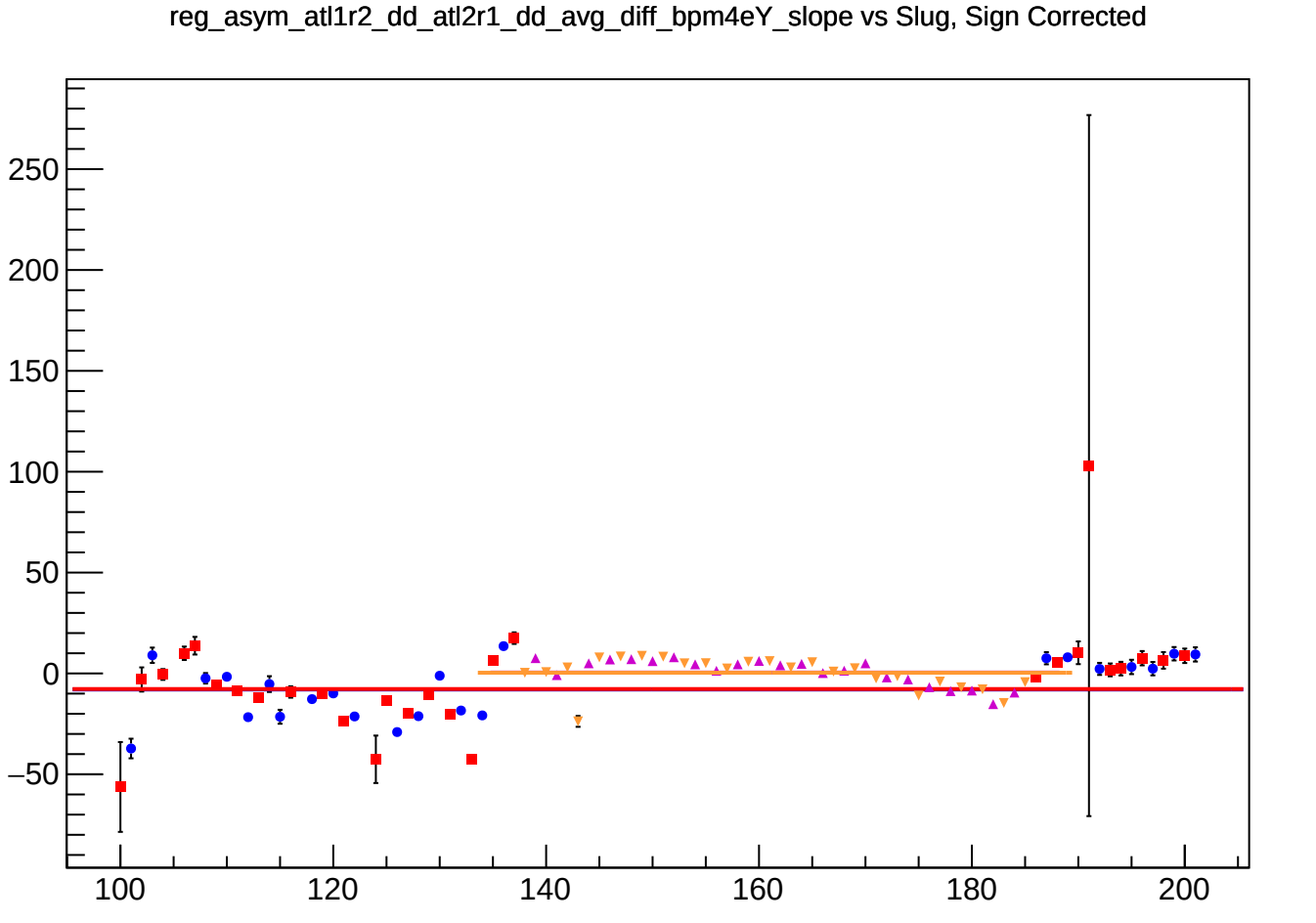
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.310+/-0.242 χ^2/NDF: 8742.6/50

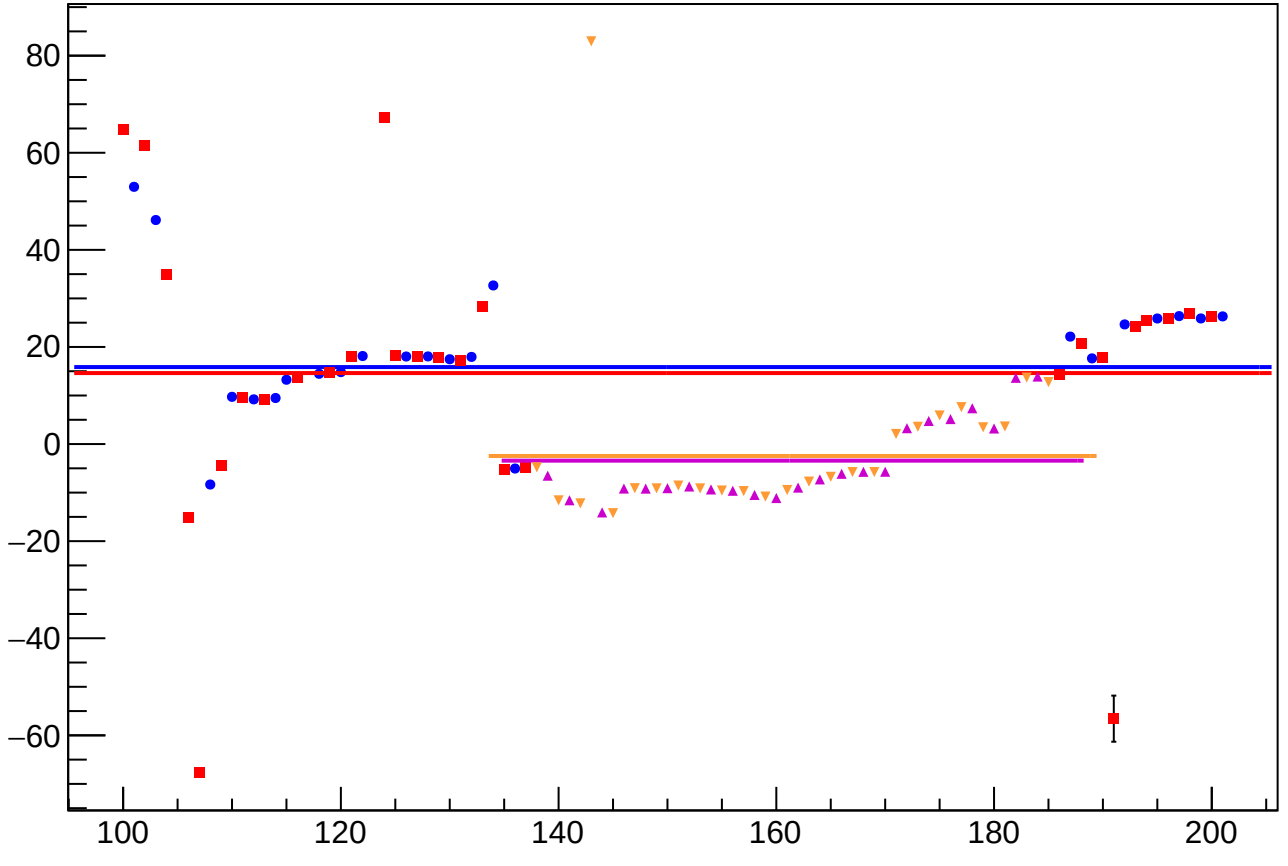
In: -27.737+/-0.220 χ^2/NDF:14454.8/45

Out: -33.702+/-0.202 χ^2/NDF:23972.9/52

All: -30.963+/-0.149 χ^2/NDF: 38826.5/98


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -7.964+/-0.463 χ²/NDF: 852.4/22
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -7.745+/-0.444 χ²/NDF: 886.4/27
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -7.850+/-0.321 χ²/NDF: 1738.9/50
In: -1.305+/-0.211 χ²/NDF:1895.1/45
Out: -1.379+/-0.205 χ²/NDF:2068.9/52
All: -1.343+/-0.147 χ²/NDF: 3964.2/98

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

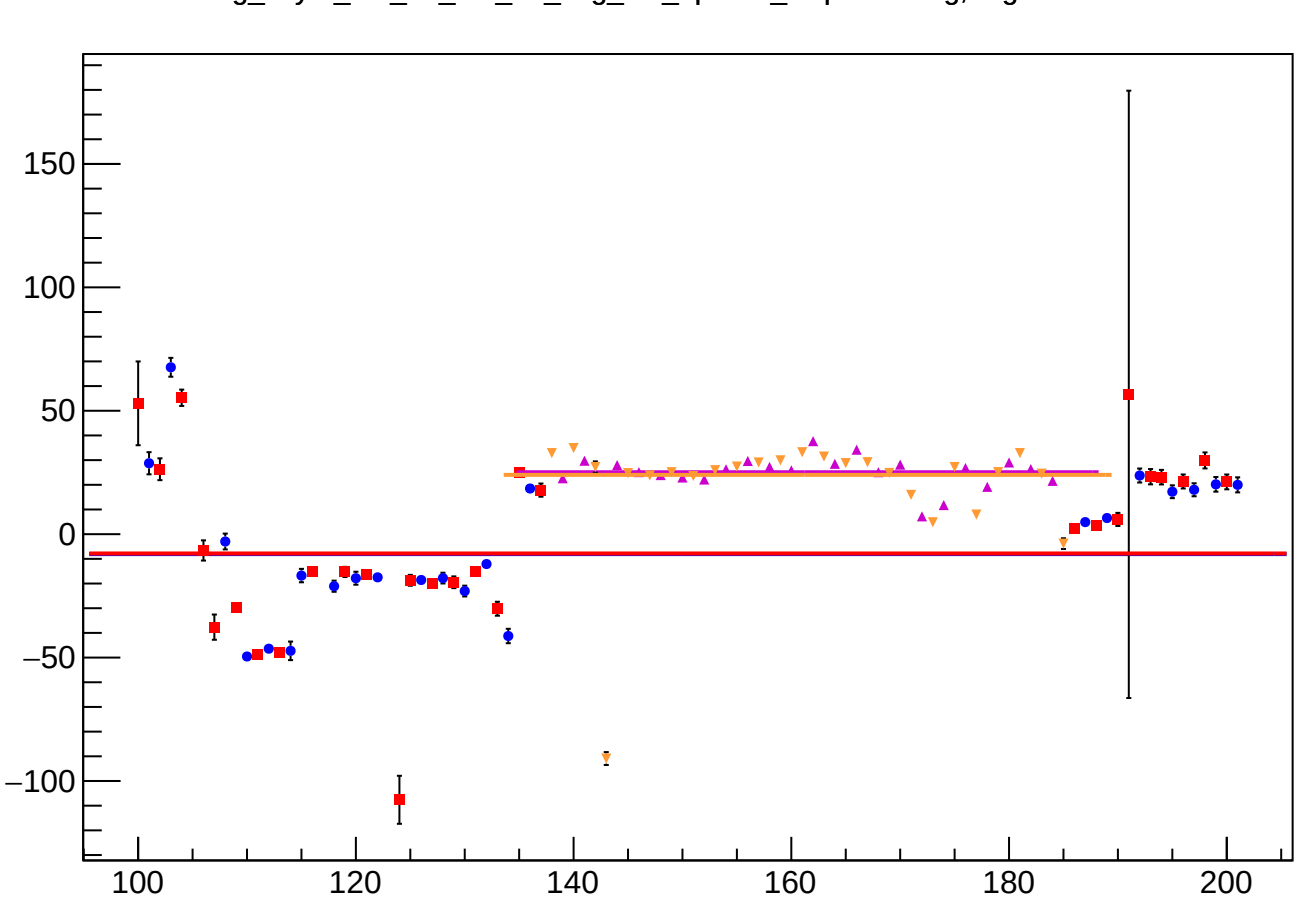
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 15.235+/-0.017 χ^2/NDF: 955909.4/50

In: -0.378+/-0.010 χ^2/NDF:1505904.1/45

Out: 0.228+/-0.010 χ^2/NDF:1921796.6/52

All: -0.073+/-0.007 χ^2/NDF: 3429711.7/98



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: -7.820+/-0.416 χ^2/NDF: 3236.0/27

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

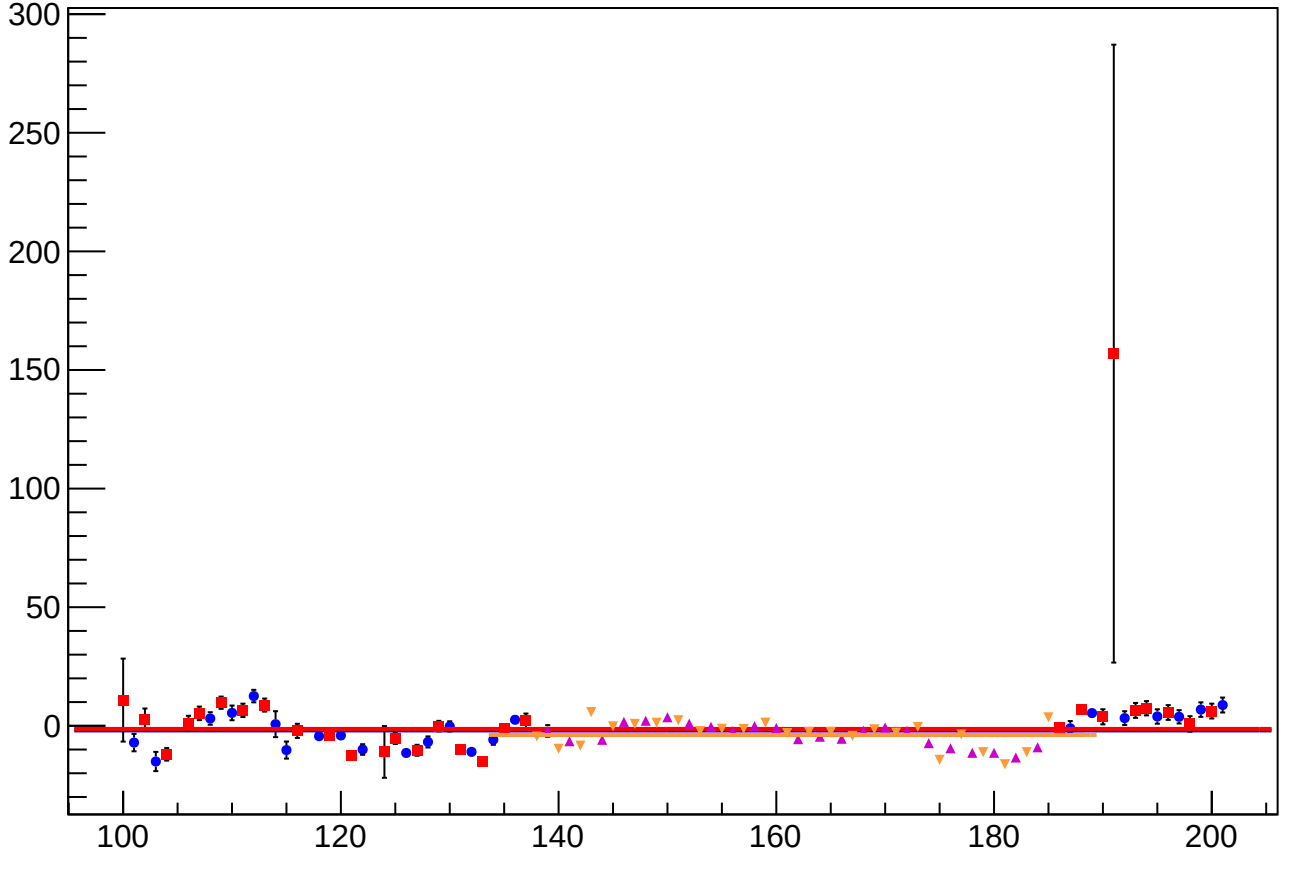
Right: -7.935+/-0.310 χ^2/NDF: 6146.1/50

In: 15.916+/-0.244 χ^2/NDF:7093.6/45

Out: 13.991+/-0.233 χ^2/NDF:10055.7/52

All: 14.910+/-0.169 χ^2/NDF: 17181.7/98

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: -1.308+/-0.465 χ^2/NDF: 241.0/27

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

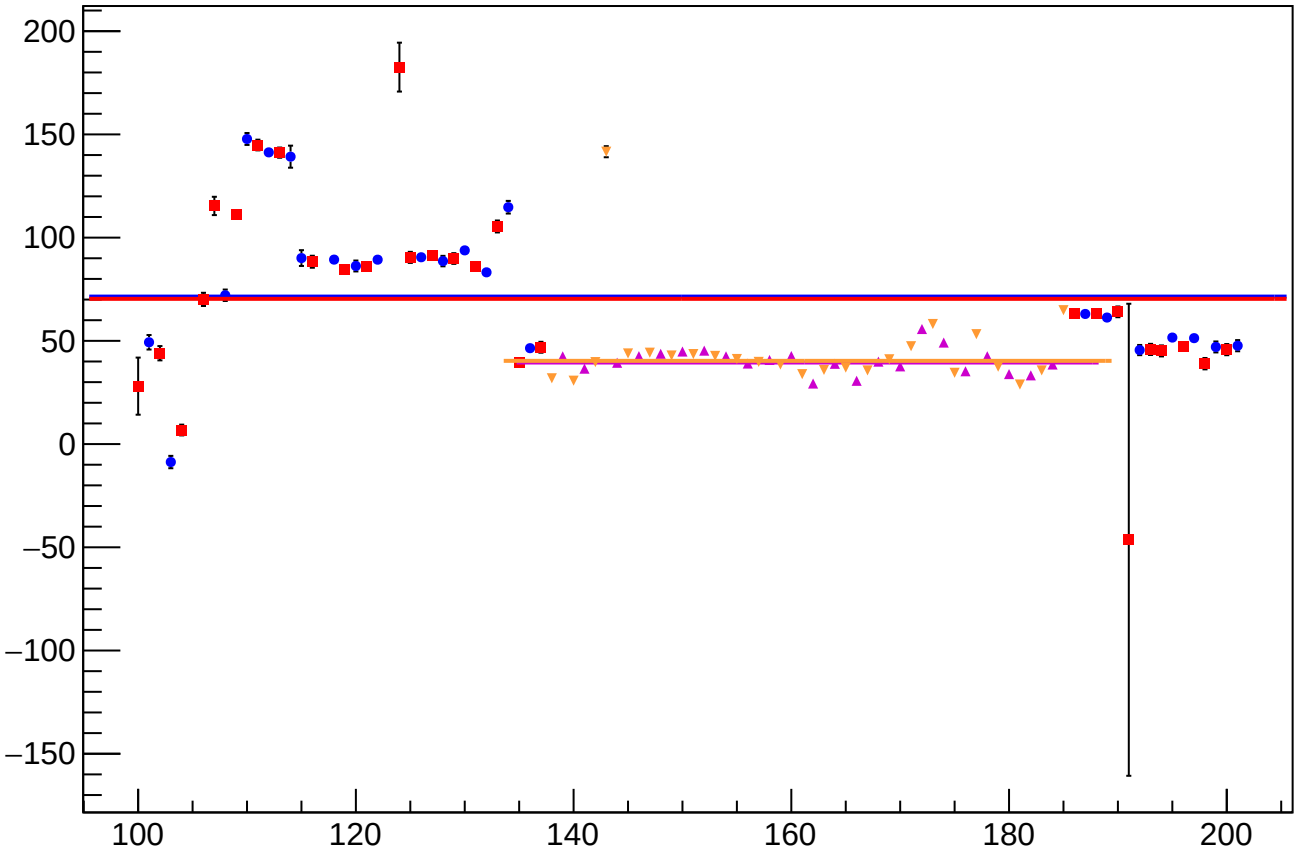
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.608+/-0.337 χ^2/NDF: 418.6/50

In: -3.462+/-0.203 χ^2/NDF:698.3/45

Out: -3.389+/-0.197 χ^2/NDF:914.7/52

All: -3.425+/-0.142 χ^2/NDF: 1613.1/98



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: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

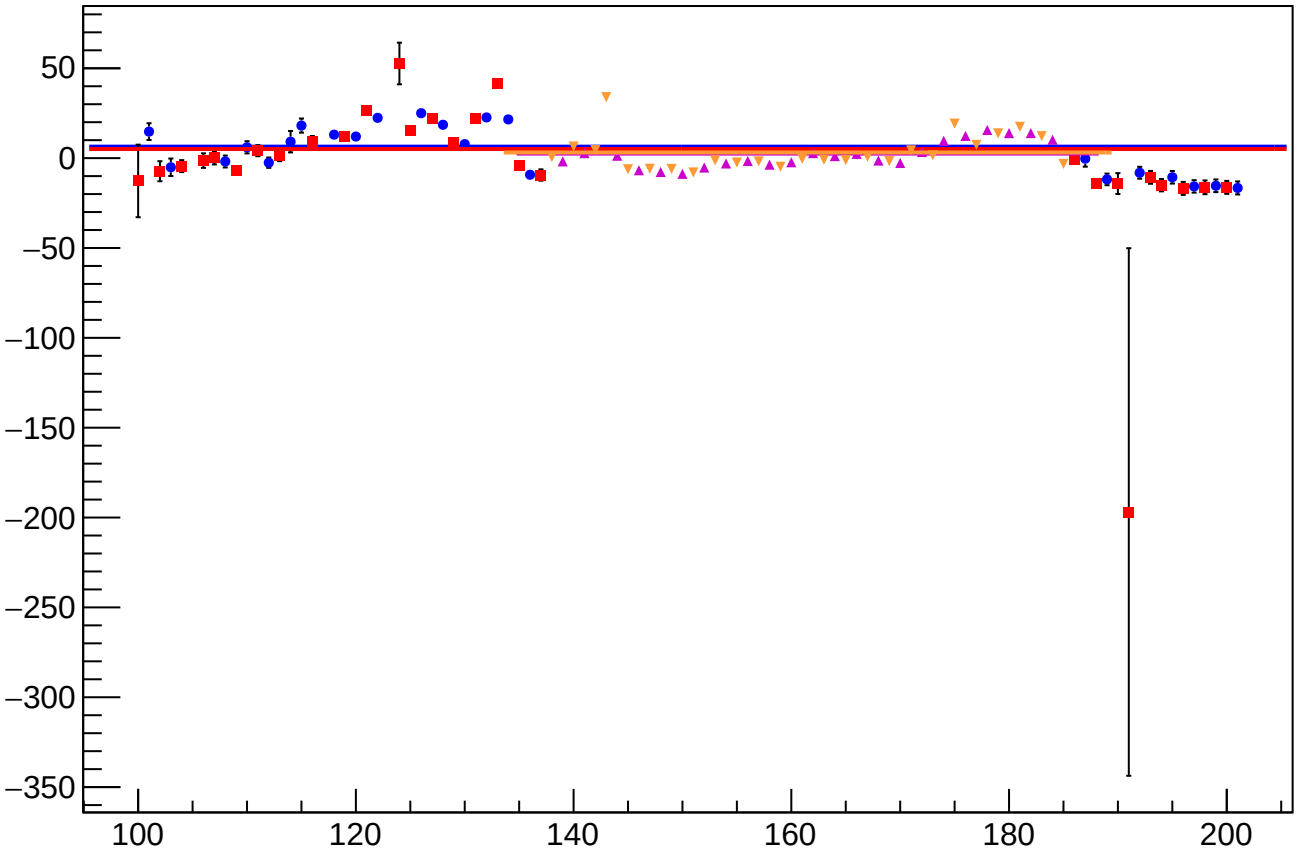
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 70.816+/-0.313 χ^2/NDF: 8299.8/50

In: 47.842+/-0.245 χ^2/NDF:7710.3/45

Out: 49.778+/-0.232 χ^2/NDF:10107.4/52

All: 48.862+/-0.168 χ^2/NDF: 17850.7/98



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: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

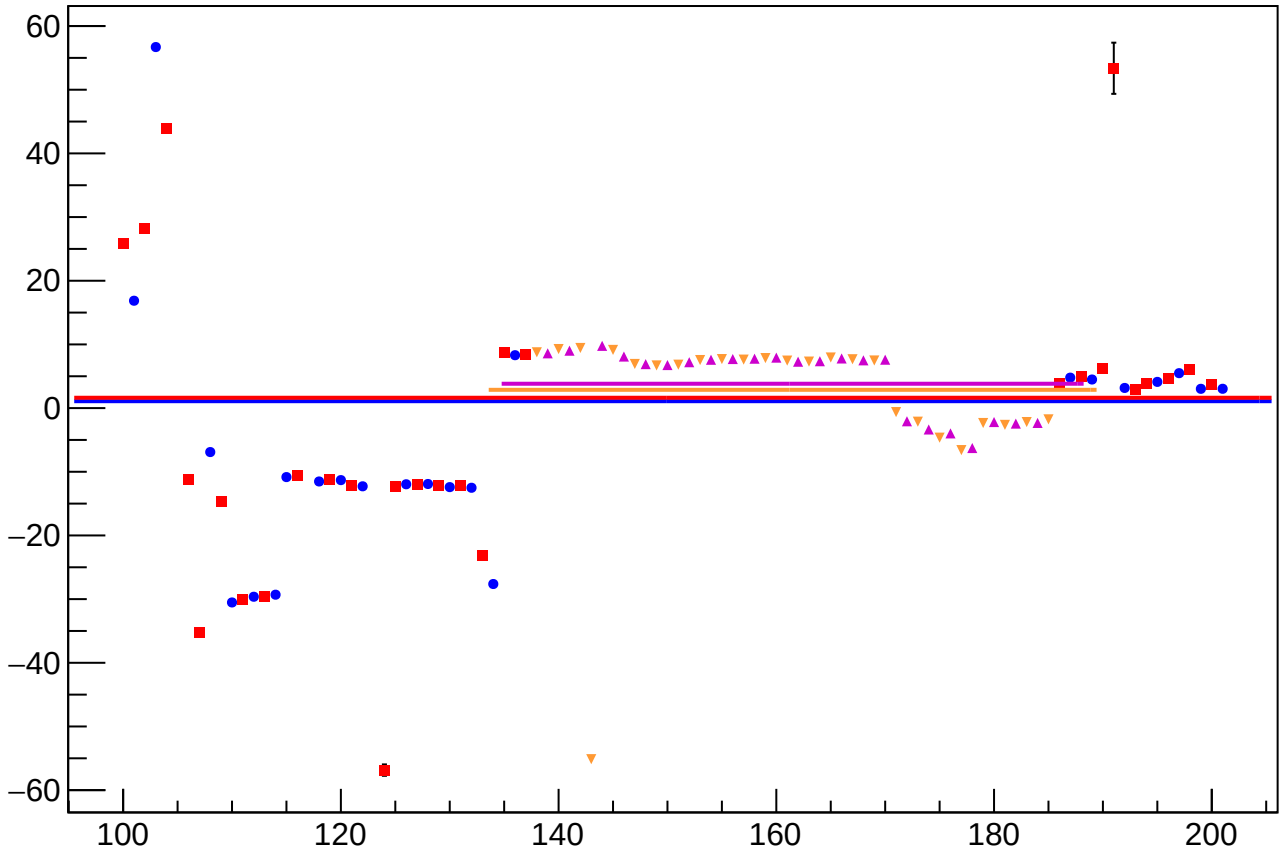
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 5.711+/-0.397 χ^2/NDF: 1392.9/50

In: 3.151+/-0.230 χ^2/NDF:1603.5/45

Out: 3.458+/-0.224 χ^2/NDF:2070.8/52

All: 3.308+/-0.160 χ^2/NDF: 3675.2/98



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: 1.625+/-0.028 χ^2/NDF: 325225.6/27

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

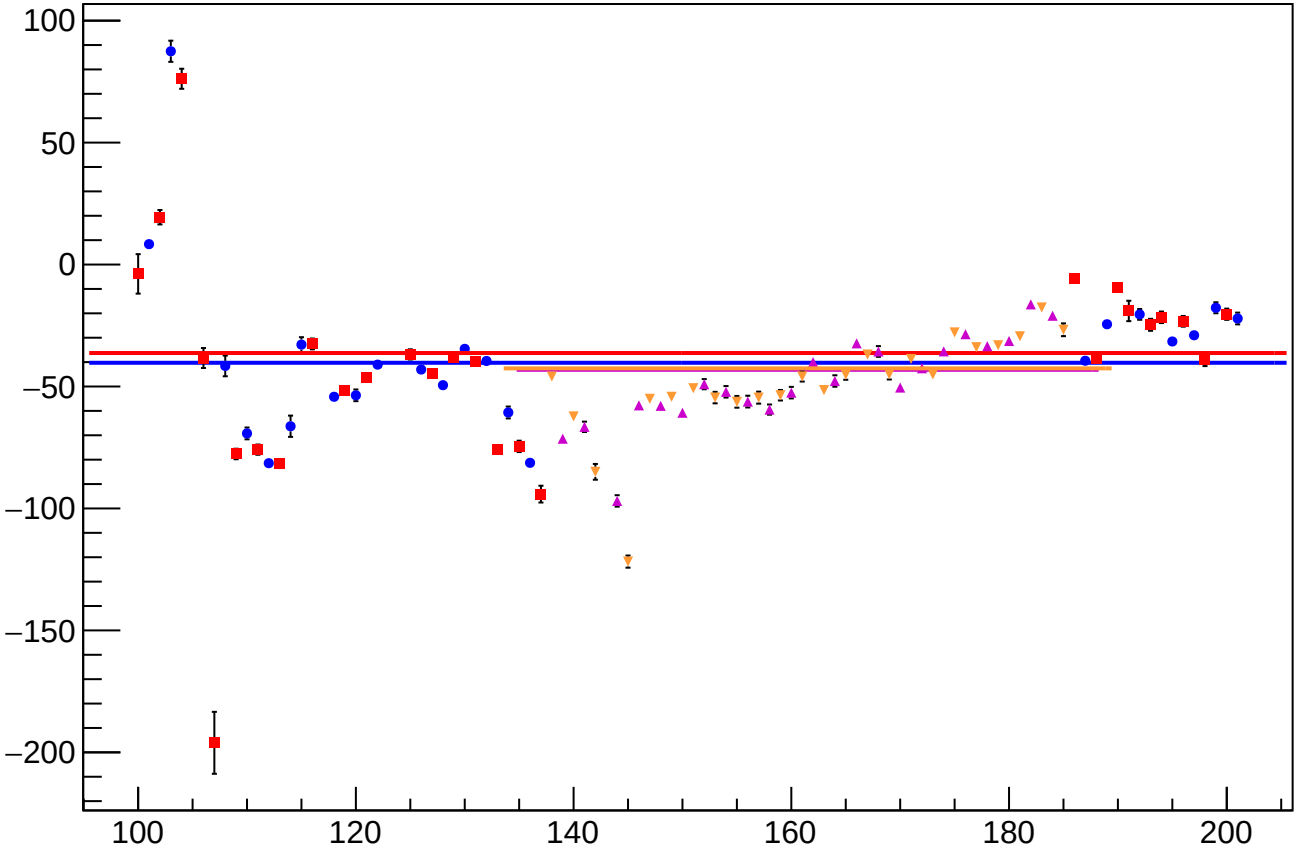
Right: 1.354+/-0.020 χ^2/NDF: 700285.9/50

In: 3.447+/-0.010 χ^2/NDF:616510.7/45

Out: 2.701+/-0.010 χ^2/NDF:839304.7/52

All: 3.070+/-0.007 χ^2/NDF: 1458460.0/98

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -36.273+/-0.368 χ^2/NDF: 5135.1/26

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

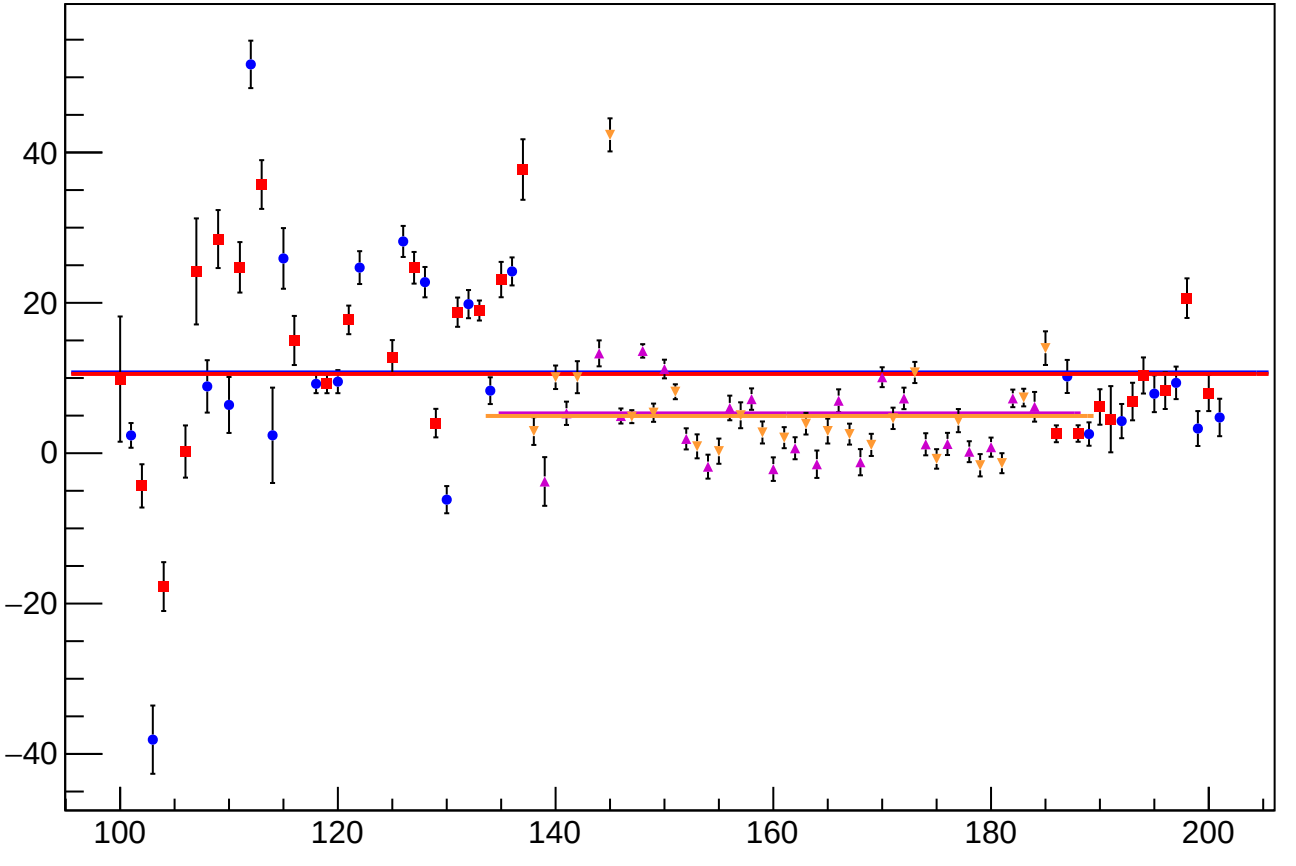
Right: -37.997+/-0.277 χ^2/NDF: 8545.7/49

In: -41.859+/-0.283 χ^2/NDF:5591.7/45

Out: -39.327+/-0.264 χ^2/NDF:7603.6/50

All: -40.503+/-0.193 χ^2/NDF: 13238.1/96

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 10.544+/-0.406 χ^2/NDF: 548.8/26

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

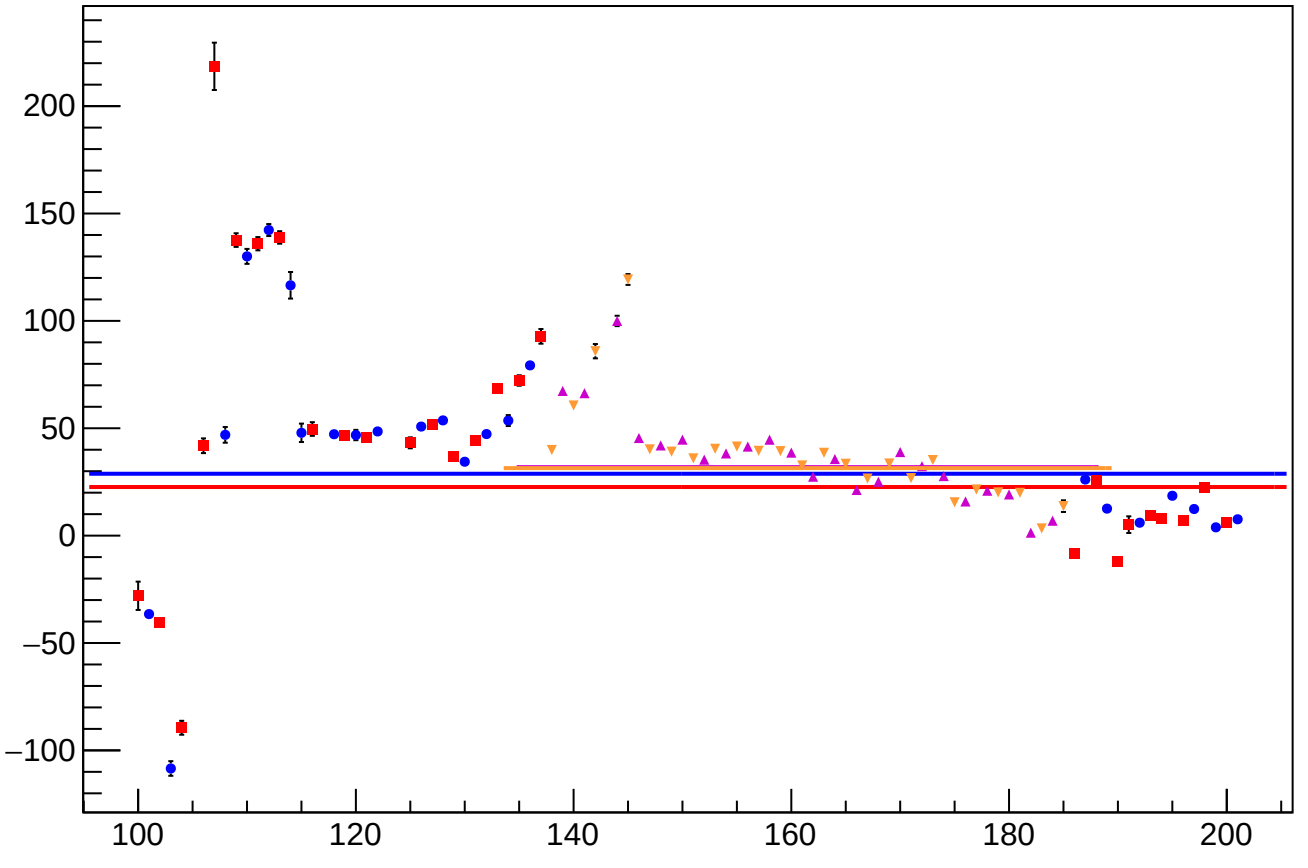
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.637+/-0.297 χ^2/NDF: 1244.9/49

In: 6.997+/-0.244 χ^2/NDF:1089.6/45

Out: 6.826+/-0.235 χ^2/NDF:1123.7/50

All: 6.909+/-0.169 χ^2/NDF: 2213.6/96



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: 22.633+/-0.342 χ^2/NDF: 11161.7/26

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

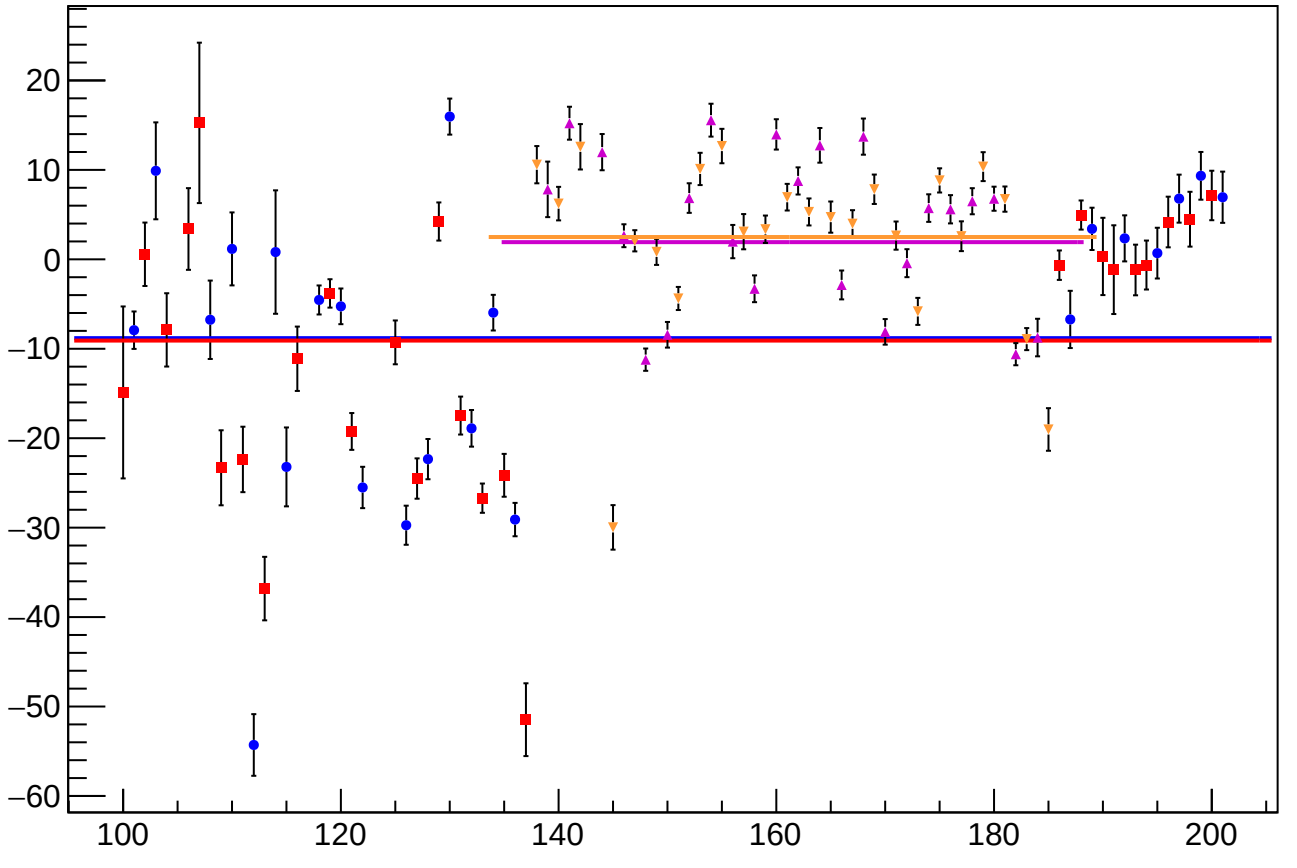
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 25.153+/-0.264 χ^2/NDF: 19724.0/49

In: 30.490+/-0.279 χ^2/NDF:11227.0/45

Out: 26.631+/-0.253 χ^2/NDF:14223.9/50

All: 28.374+/-0.187 χ^2/NDF: 25556.0/96



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: -9.084+/-0.500 χ^2/NDF: 710.5/26

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

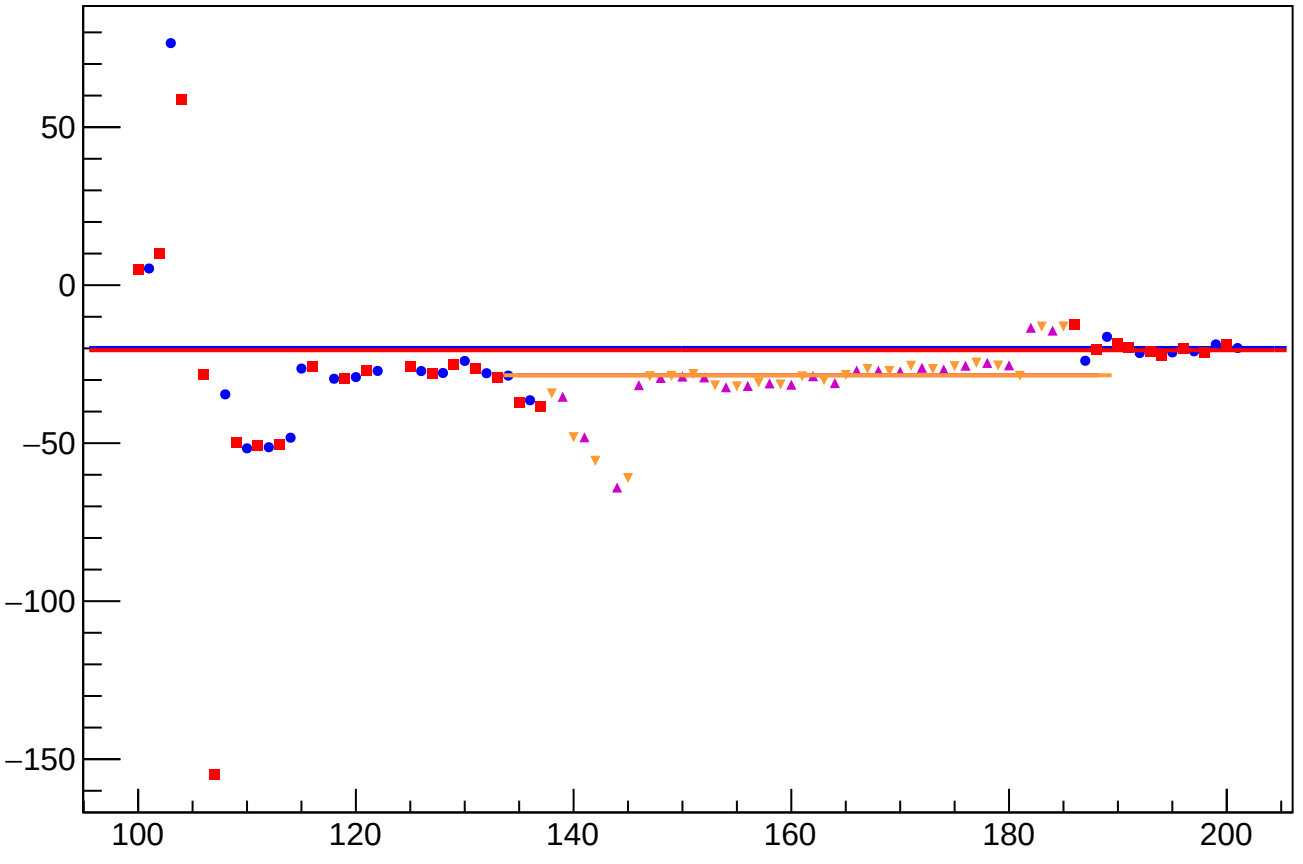
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -8.953+/-0.359 χ^2/NDF: 1568.9/49

In: -1.208+/-0.279 χ^2/NDF:1841.8/45

Out: -0.974+/-0.273 χ^2/NDF:1645.3/50

All: -1.088+/-0.195 χ^2/NDF: 3487.5/96



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: -20.592+/-0.024 χ^2/NDF: 553745.2/26

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

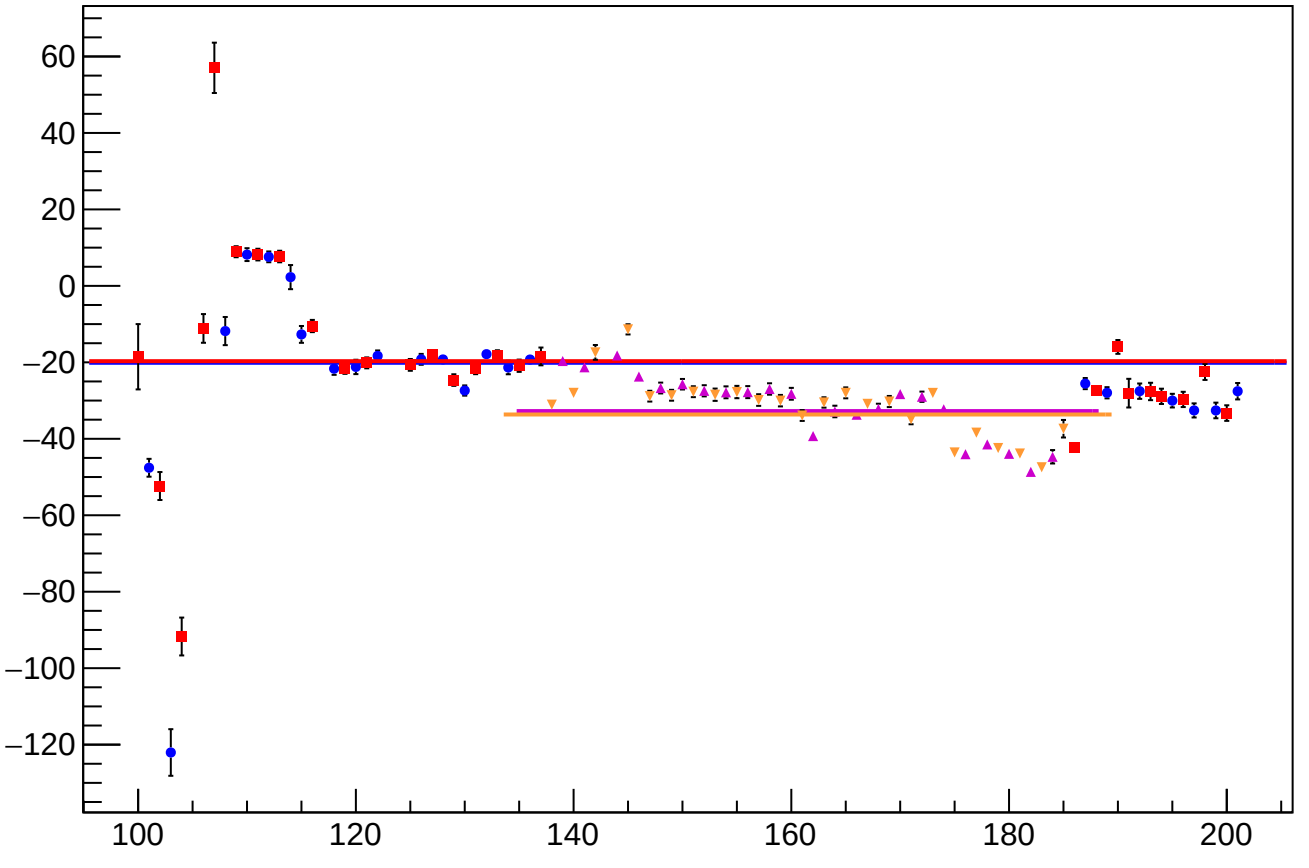
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

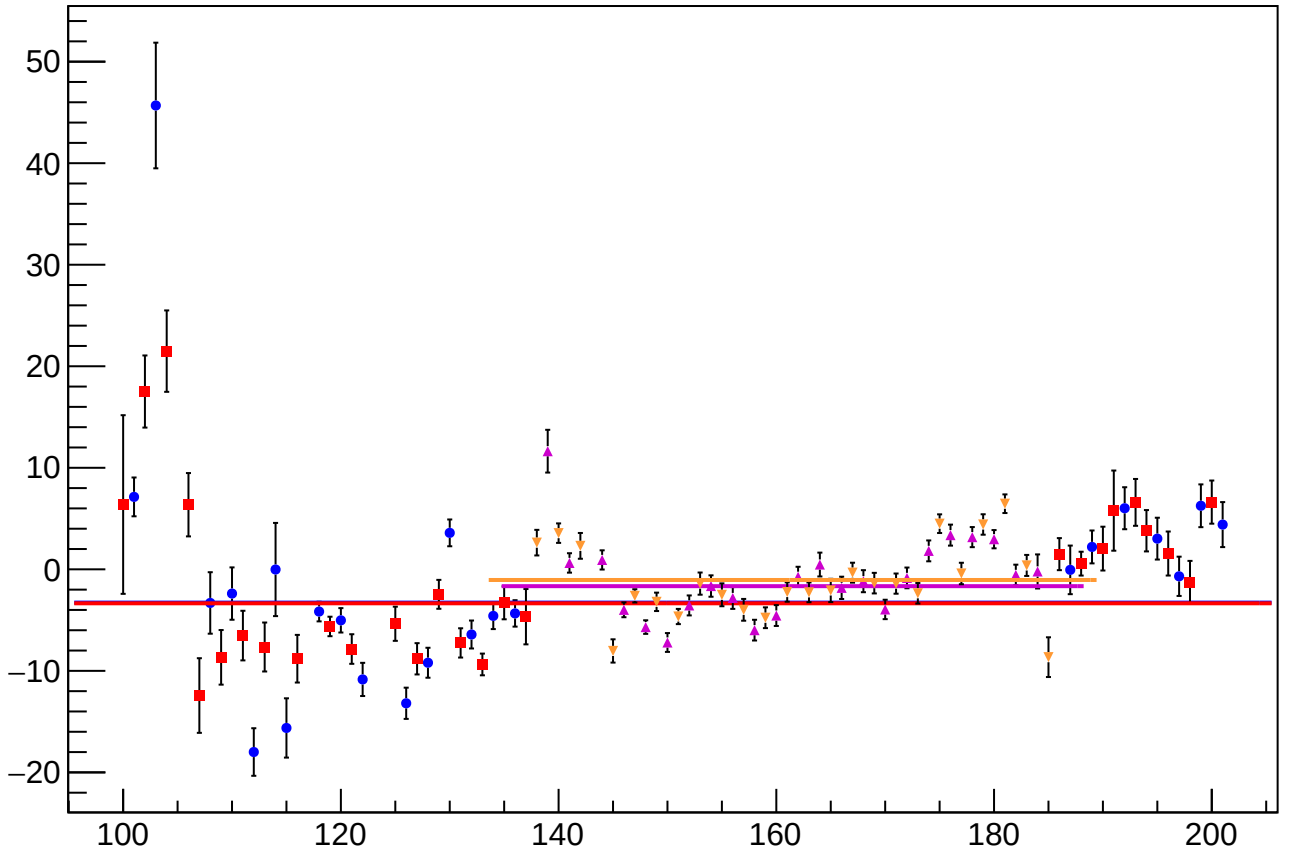
Right: -20.238+/-0.017 χ^2/NDF: 1203863.5/49

In: -26.227+/-0.013 χ^2/NDF:1026643.8/45

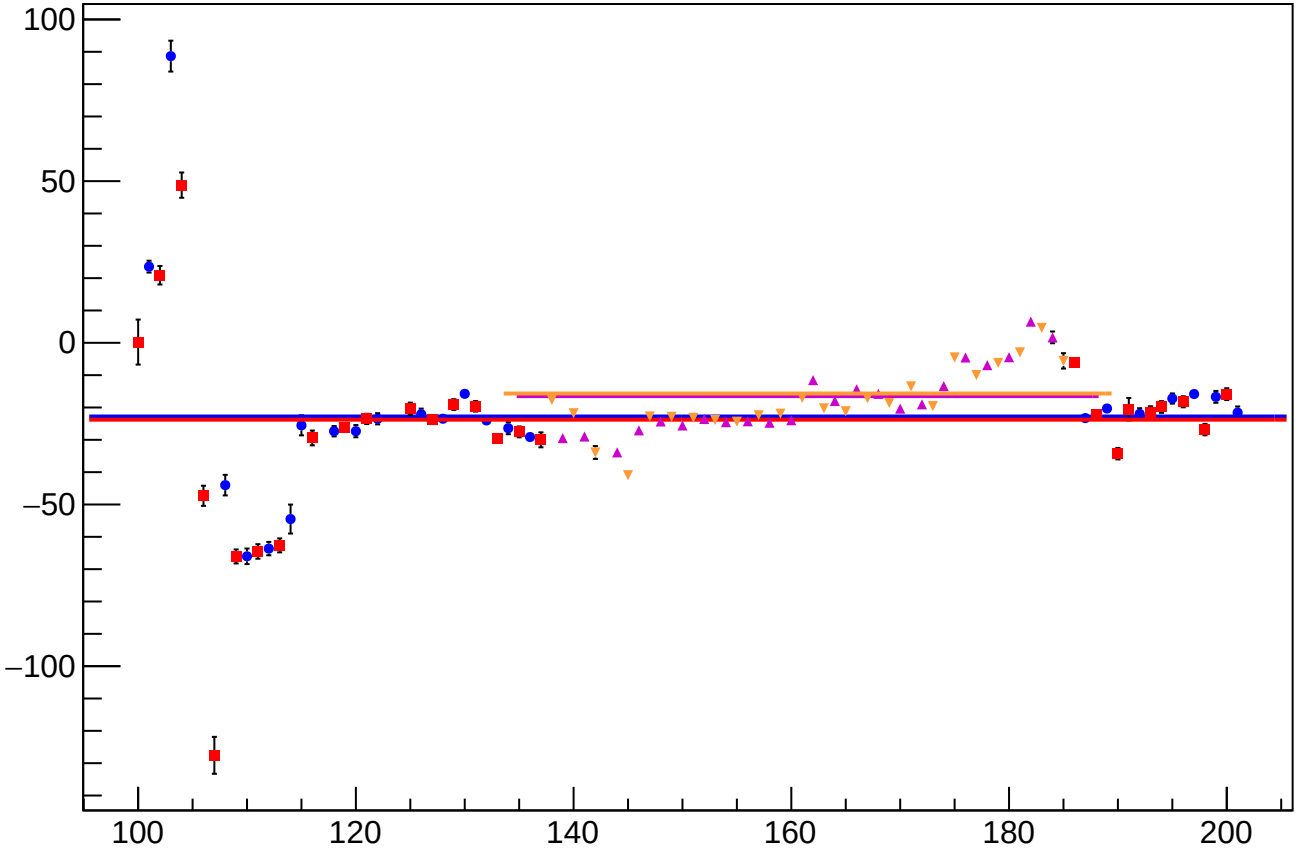
Out: -26.381+/-0.013 χ^2/NDF:965003.6/50

All: -26.304+/-0.009 χ^2/NDF: 1991720.5/96


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -20.113+/-0.346 χ²/NDF: 1371.4/22
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -19.697+/-0.323 χ²/NDF: 2056.5/26
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -19.891+/-0.236 χ²/NDF: 3428.6/49
In: -27.992+/-0.212 χ²/NDF:3348.6/45
Out: -28.028+/-0.205 χ²/NDF:4186.3/50
All: -28.011+/-0.147 χ²/NDF: 7534.9/96


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.279+/-0.355 χ²/NDF: 343.4/22
Left Out: -1.050+/-0.203 χ²/NDF:289.4/23
Right Out: -3.346+/-0.350 χ²/NDF: 264.0/26
Left In: -1.659+/-0.207 χ²/NDF:264.4/22
Left: -1.349+/-0.145 χ²/NDF: 558.2/46
Right: -3.313+/-0.249 χ²/NDF: 607.5/49
In: -2.069+/-0.179 χ²/NDF:623.3/45
Out: -1.628+/-0.175 χ²/NDF:585.7/50
All: -1.845+/-0.125 χ²/NDF: 1212.1/96

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -23.769+/-0.324 χ^2/NDF: 2465.4/26

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

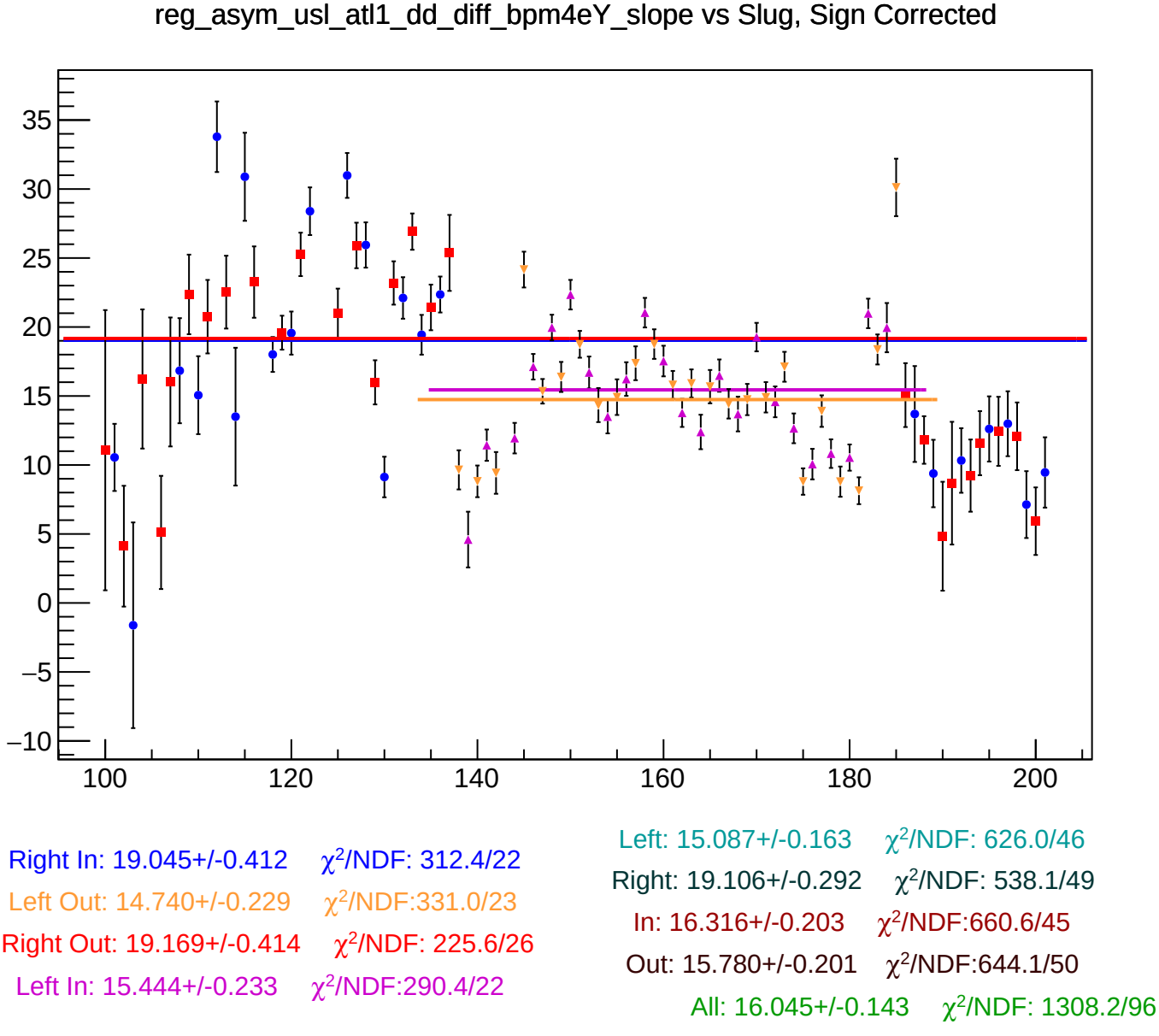
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

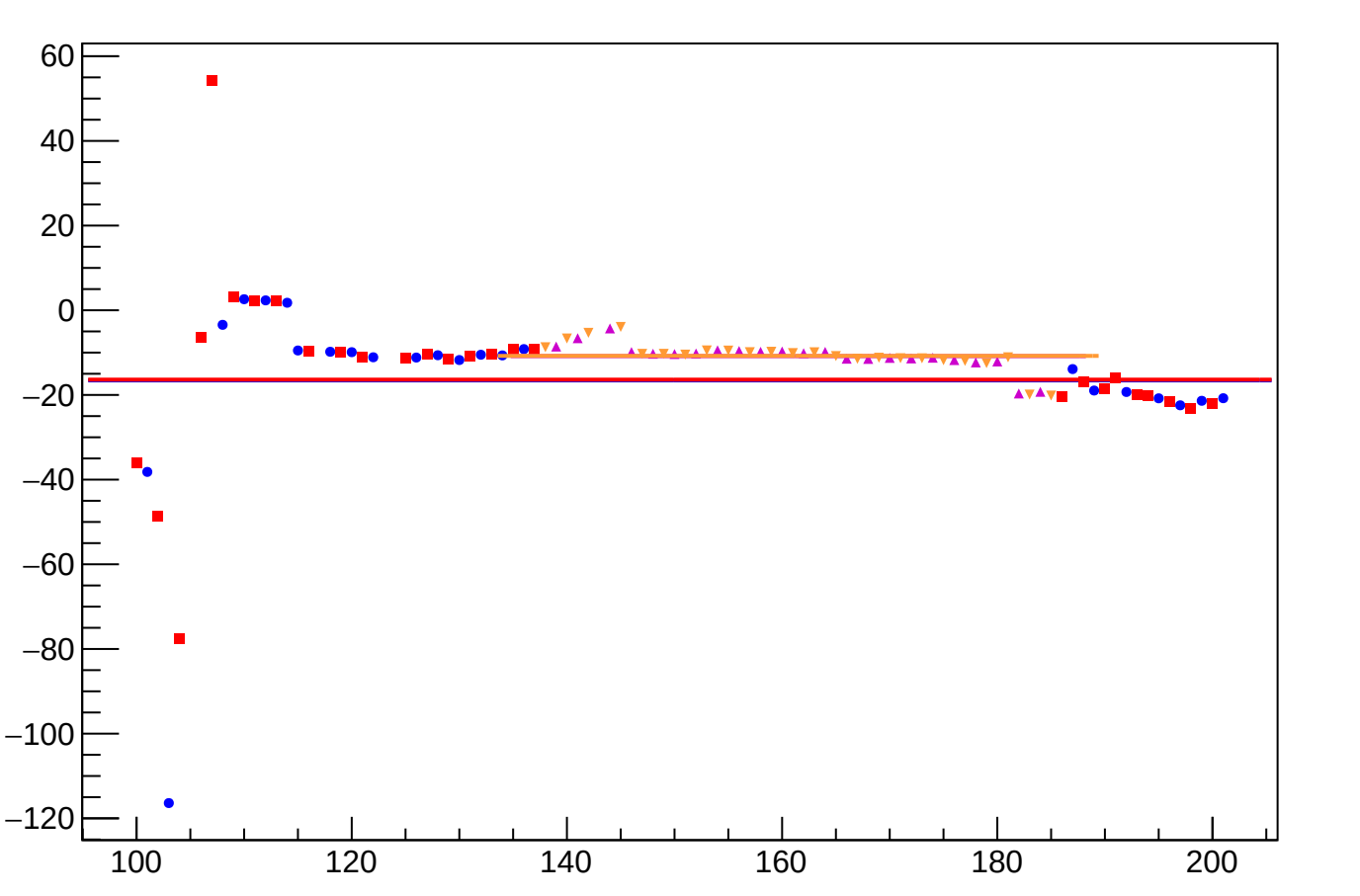
Right: -23.327+/-0.239 χ^2/NDF: 4587.4/49

In: -18.741+/-0.213 χ^2/NDF:4017.4/45

Out: -18.894+/-0.204 χ^2/NDF:4362.8/50

All: -18.821+/-0.147 χ^2/NDF: 8380.5/96


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: 19.169+/-0.414 χ²/NDF: 225.6/26
Left In: 15.444+/-0.233 χ²/NDF:290.4/22
Left: 15.087+/-0.163 χ²/NDF: 626.0/46
Right: 19.106+/-0.292 χ²/NDF: 538.1/49
In: 16.316+/-0.203 χ²/NDF:660.6/45
Out: 15.780+/-0.201 χ²/NDF:644.1/50
All: 16.045+/-0.143 χ²/NDF: 1308.2/96



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: -16.384+/-0.021 χ^2/NDF: 363929.6/26

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

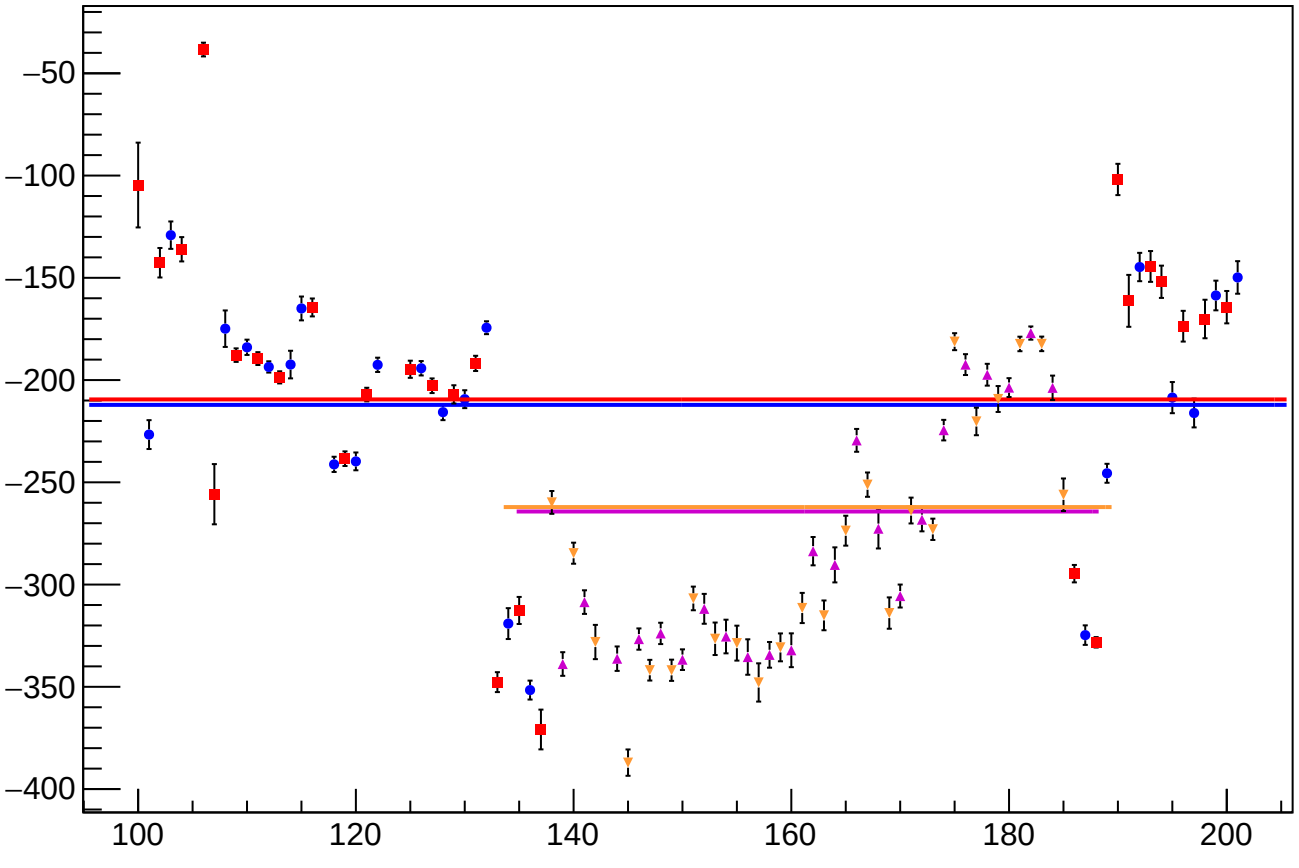
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -16.478+/-0.015 χ^2/NDF: 743728.4/49

In: -11.970+/-0.009 χ^2/NDF:515164.2/45

Out: -11.874+/-0.009 χ^2/NDF:506762.6/50

All: -11.922+/-0.007 χ^2/NDF: 1021981.5/96



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: -209.469+/-0.873 χ^2/NDF: 7466.0/26

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

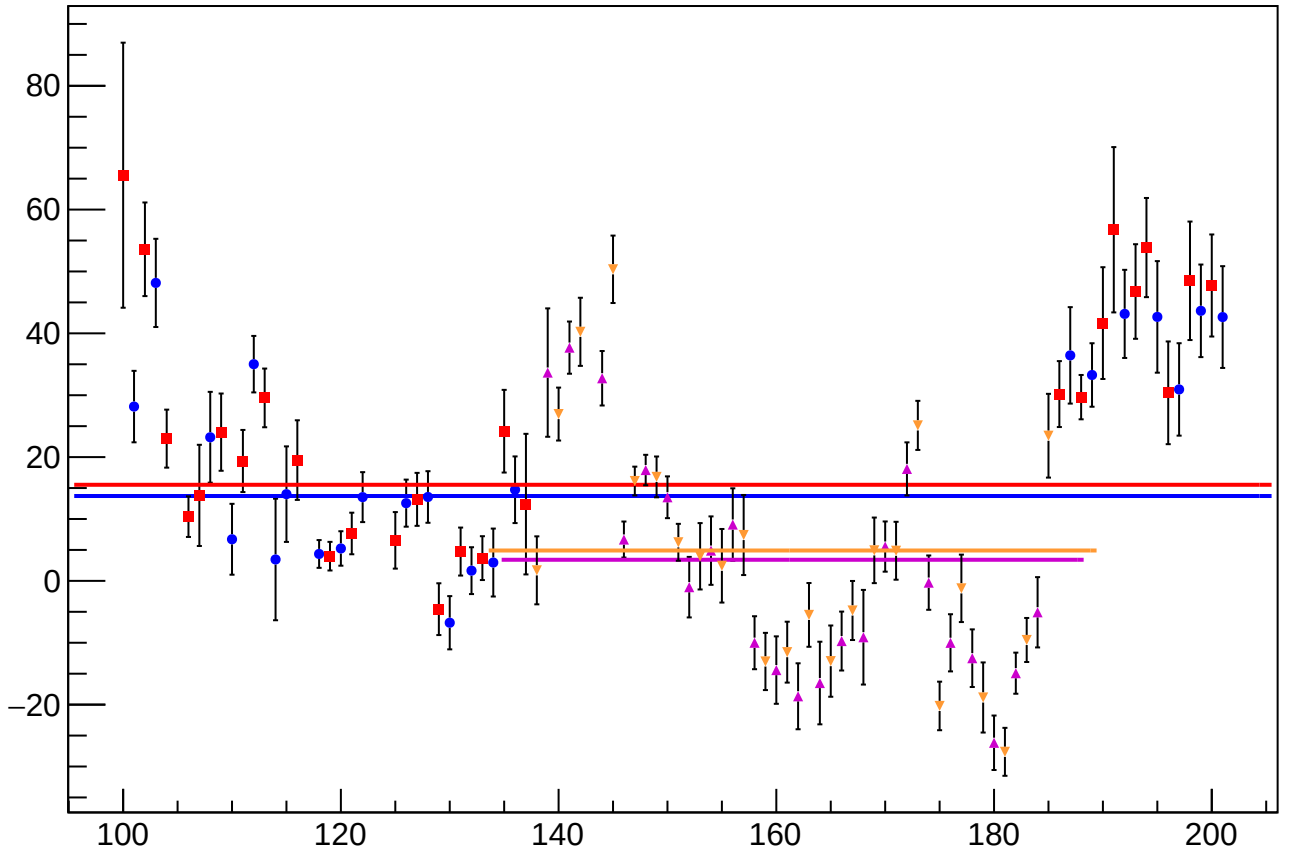
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -210.659+/-0.649 χ^2/NDF: 10051.3/49

In: -233.038+/-0.751 χ^2/NDF:6481.7/45

Out: -228.099+/-0.702 χ^2/NDF:11717.8/50

All: -230.402+/-0.513 χ^2/NDF: 18222.6/96



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: 15.527+/-0.944 χ^2/NDF: 236.7/26

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

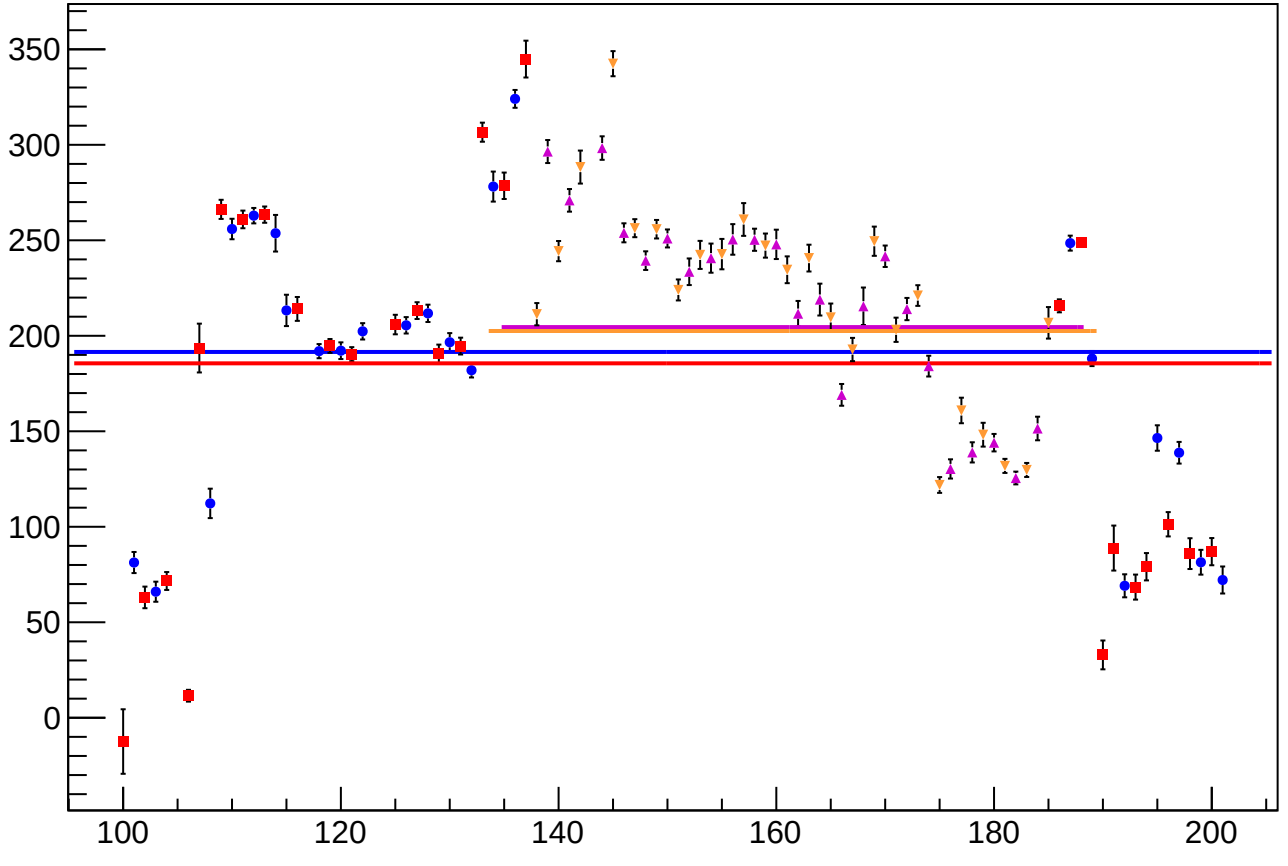
Right: 14.664+/-0.684 χ^2/NDF: 441.7/49

In: 8.070+/-0.667 χ^2/NDF:595.8/45

Out: 9.884+/-0.646 χ^2/NDF:702.9/50

All: 9.005+/-0.464 χ^2/NDF: 1302.5/96

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: 185.577+/-0.908 χ^2/NDF: 8918.7/26

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

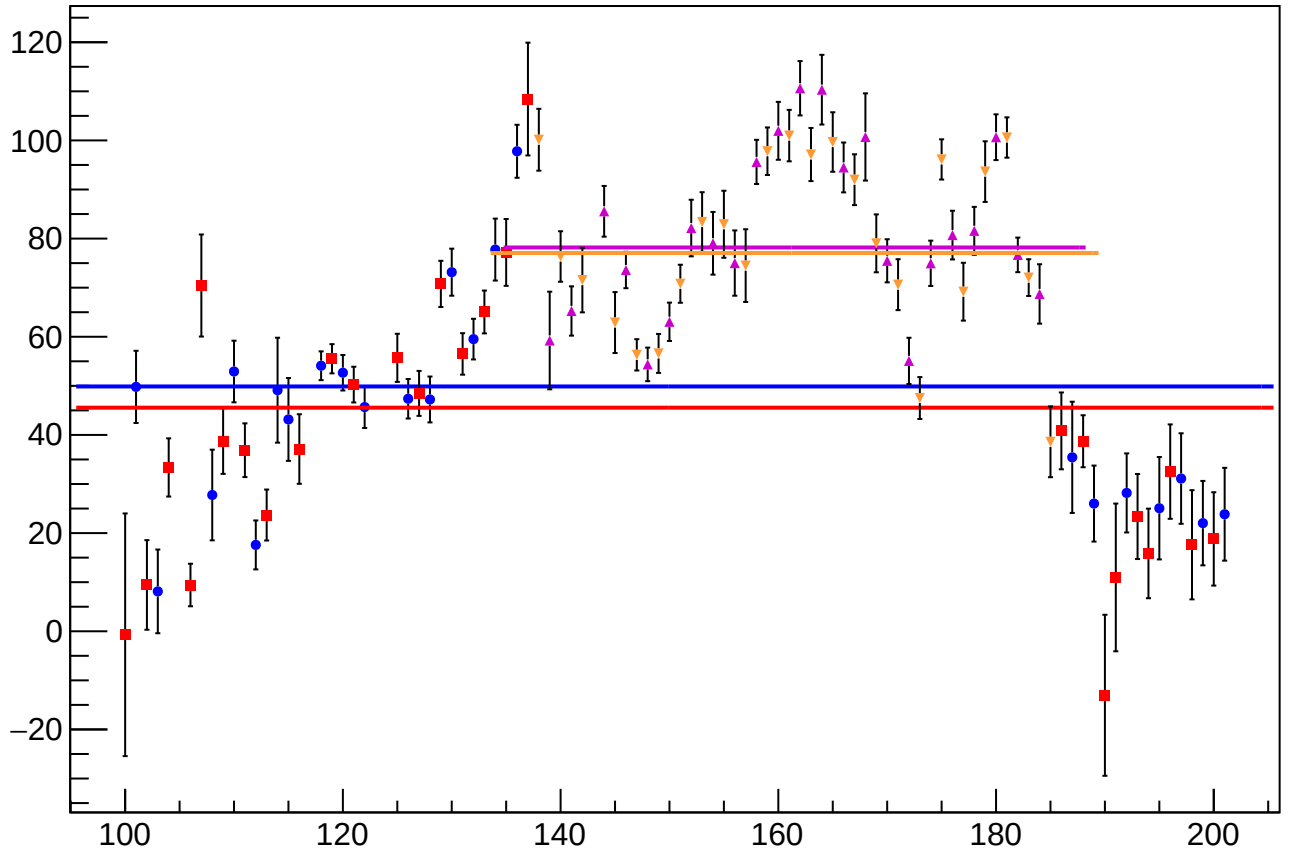
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 188.147+/-0.685 χ^2/NDF: 12816.7/49

In: 197.264+/-0.781 χ^2/NDF:6233.7/45

Out: 191.921+/-0.718 χ^2/NDF:11442.6/50

All: 194.369+/-0.528 χ^2/NDF: 17701.6/96



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: 45.553+/-1.123 χ^2/NDF: 299.2/26

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

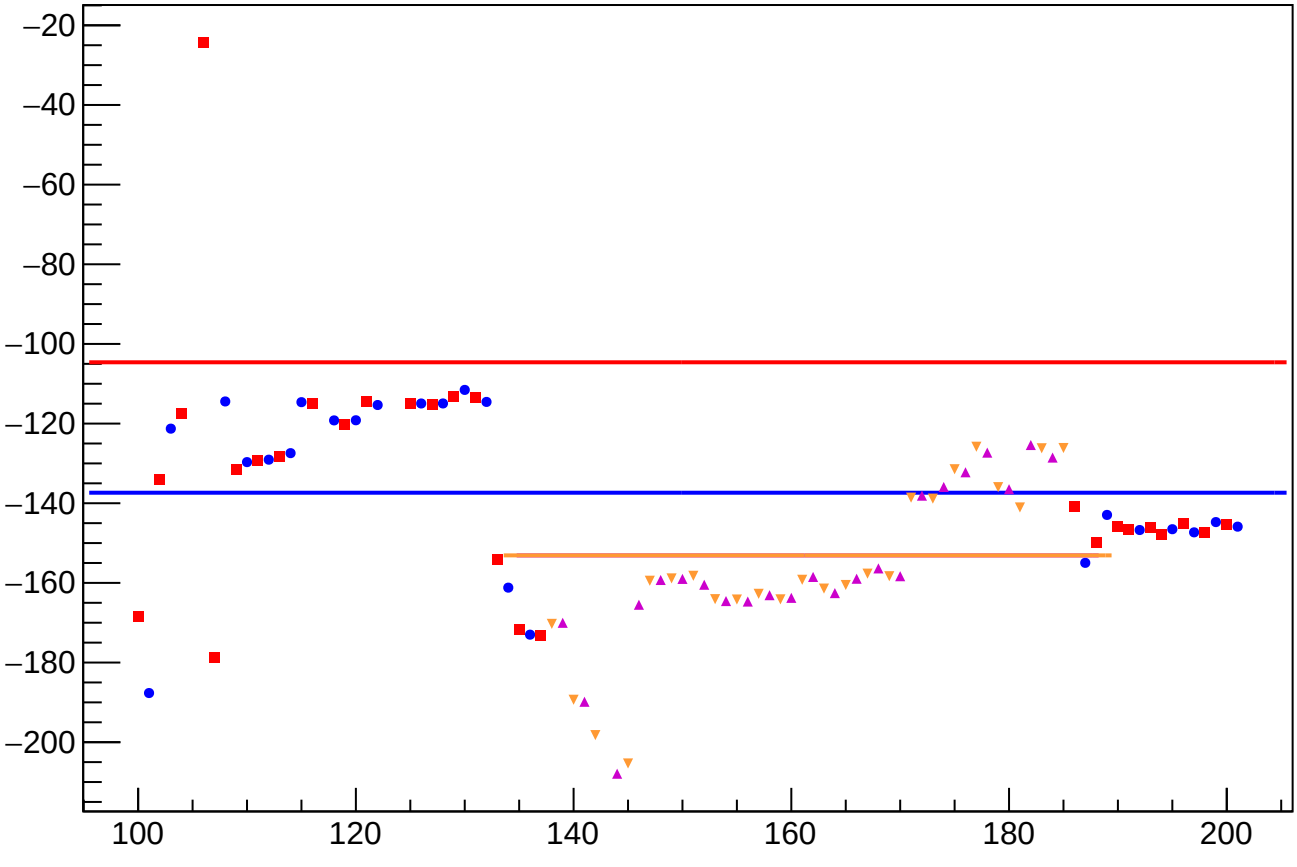
Right: 47.630+/-0.809 χ^2/NDF: 556.8/49

In: 65.850+/-0.770 χ^2/NDF:815.2/45

Out: 62.885+/-0.753 χ^2/NDF:1043.8/50

All: 64.334+/-0.538 χ^2/NDF: 1866.6/96

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -104.610+/-0.055 χ^2/NDF: 947078.8/26

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

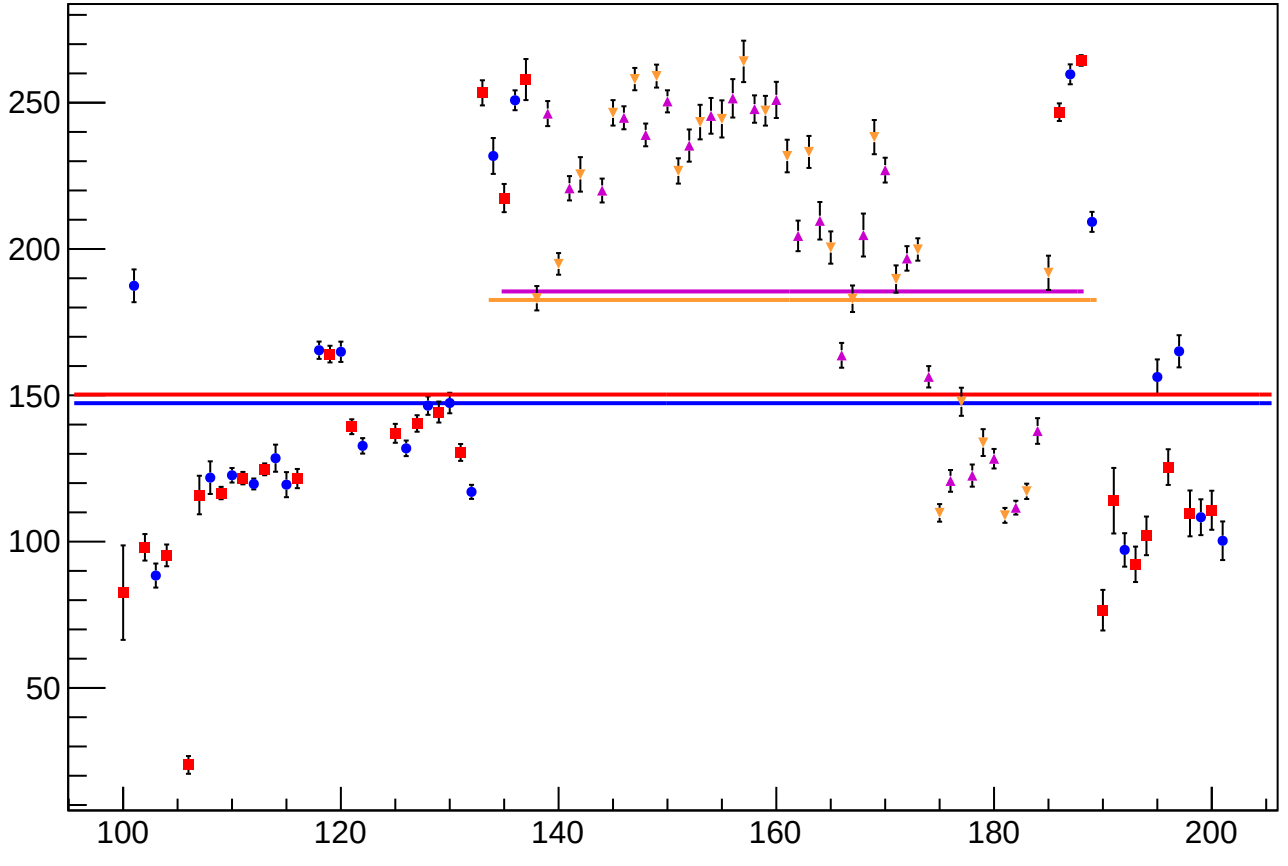
Right: -117.982+/-0.042 χ^2/NDF: 1195577.7/49

In: -147.859+/-0.038 χ^2/NDF:307412.1/45

Out: -132.595+/-0.036 χ^2/NDF:1576000.3/50

All: -139.723+/-0.026 χ^2/NDF: 1969040.6/96

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 150.263+/-0.643 χ^2/NDF: 9291.6/26

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

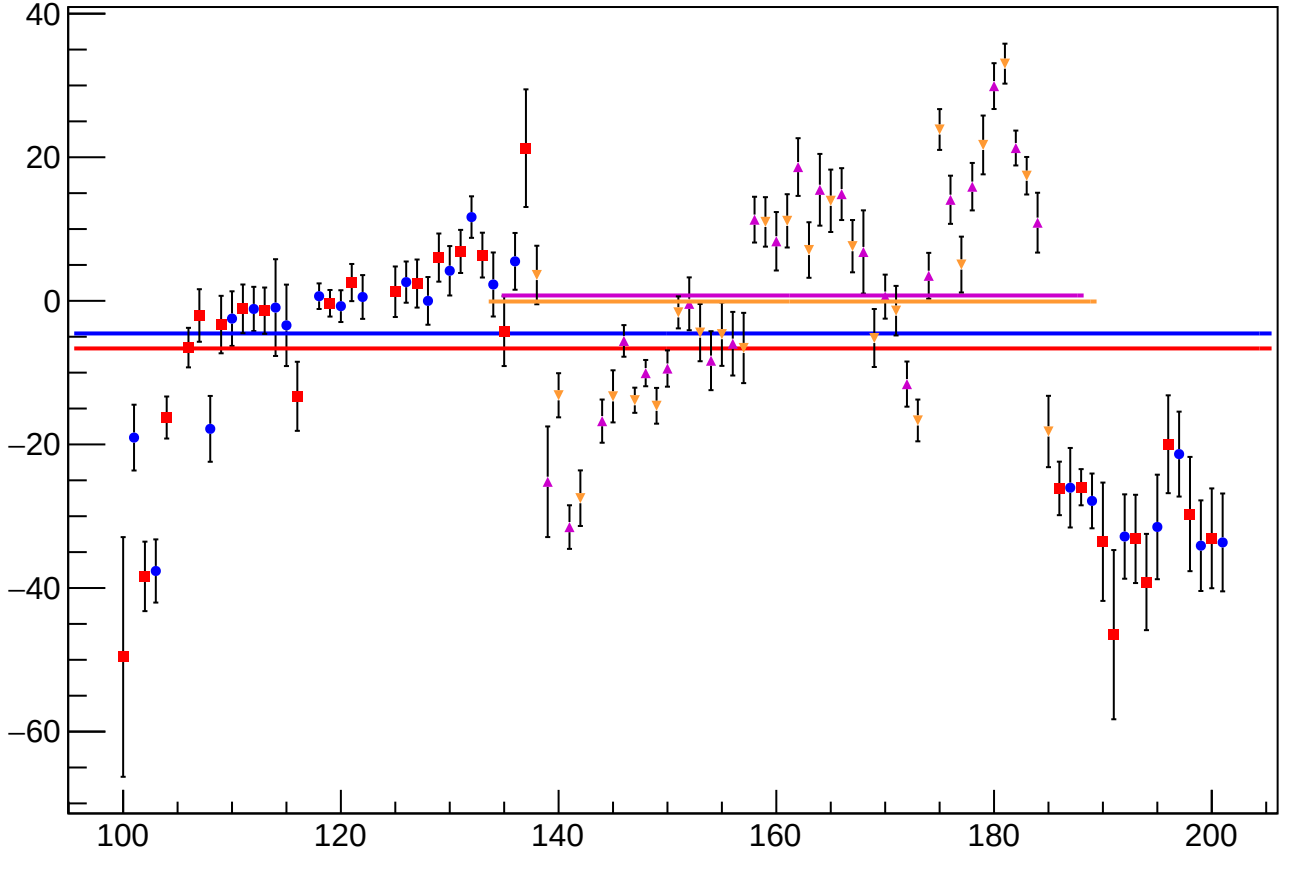
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 148.948+/-0.479 χ^2/NDF: 12956.0/49

In: 162.741+/-0.555 χ^2/NDF:8619.0/45

Out: 161.763+/-0.516 χ^2/NDF:14341.9/50

All: 162.217+/-0.378 χ^2/NDF: 22962.6/96



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: -6.631+/-0.709 χ^2/NDF: 347.3/26

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

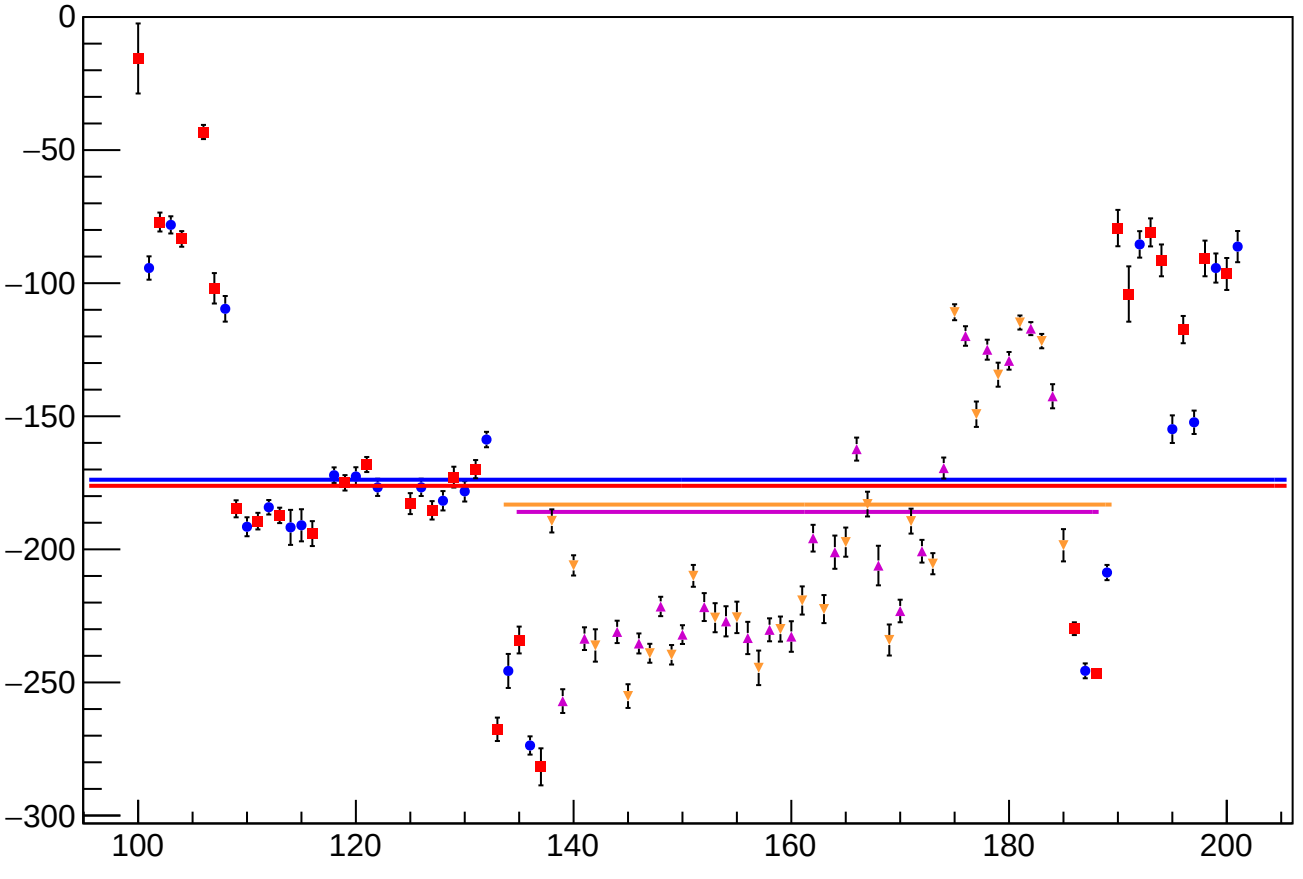
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.652+/-0.517 χ^2/NDF: 634.6/49

In: -1.566+/-0.499 χ^2/NDF:808.7/45

Out: -3.099+/-0.481 χ^2/NDF:948.5/50

All: -2.361+/-0.346 χ^2/NDF: 1762.1/96



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: -176.130+/-0.671 χ^2/NDF: 9537.9/26

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

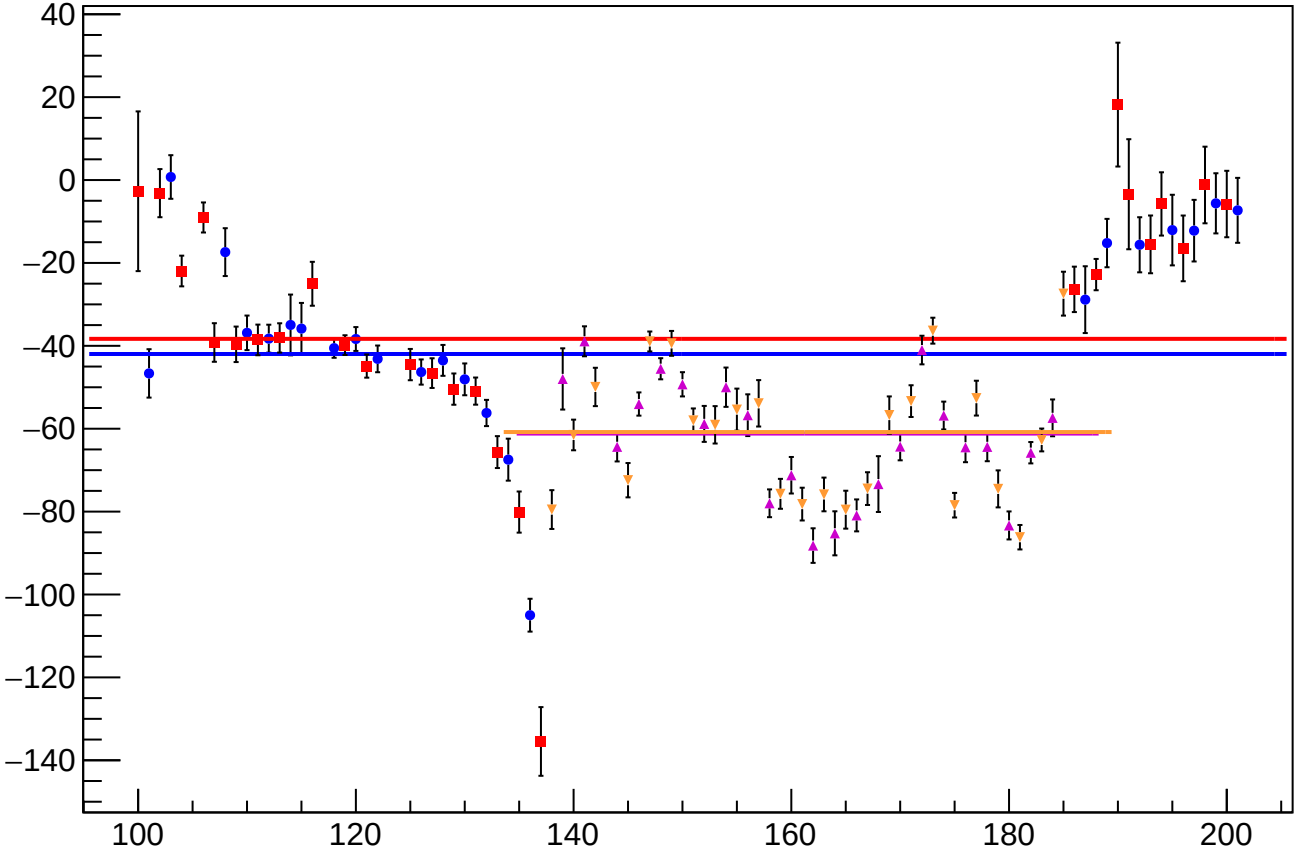
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -175.150+/-0.508 χ^2/NDF: 13587.4/49

In: -179.223+/-0.578 χ^2/NDF:7334.1/45

Out: -178.787+/-0.529 χ^2/NDF:12940.7/50

All: -178.986+/-0.391 χ^2/NDF: 20275.1/96



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: -38.317+/-0.844 χ^2/NDF: 541.1/26

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

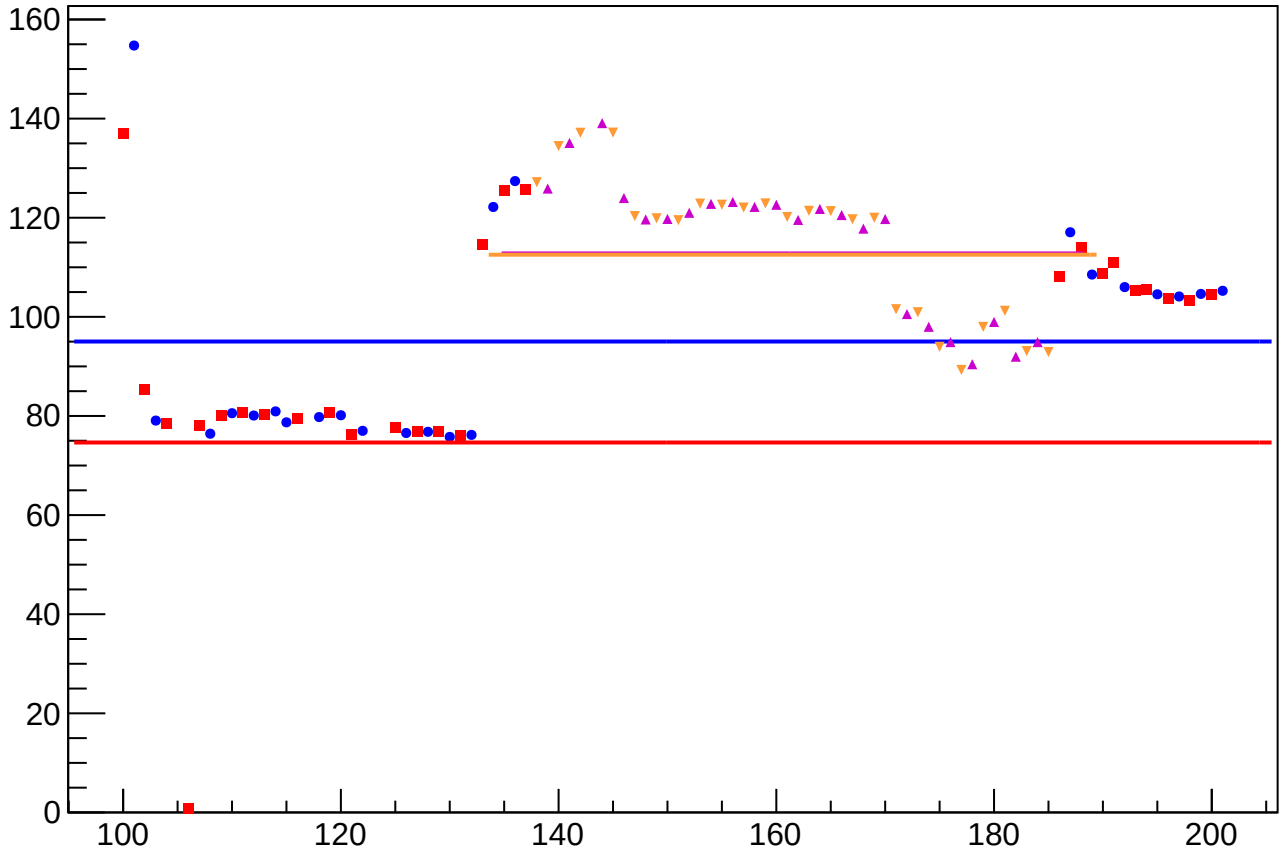
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -40.054+/-0.611 χ^2/NDF: 1057.1/49

In: -53.079+/-0.576 χ^2/NDF:1095.3/45

Out: -50.896+/-0.560 χ^2/NDF:1412.1/50

All: -51.958+/-0.401 χ^2/NDF: 2514.8/96



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: 74.645+/-0.043 χ^2/NDF: 850241.2/26

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

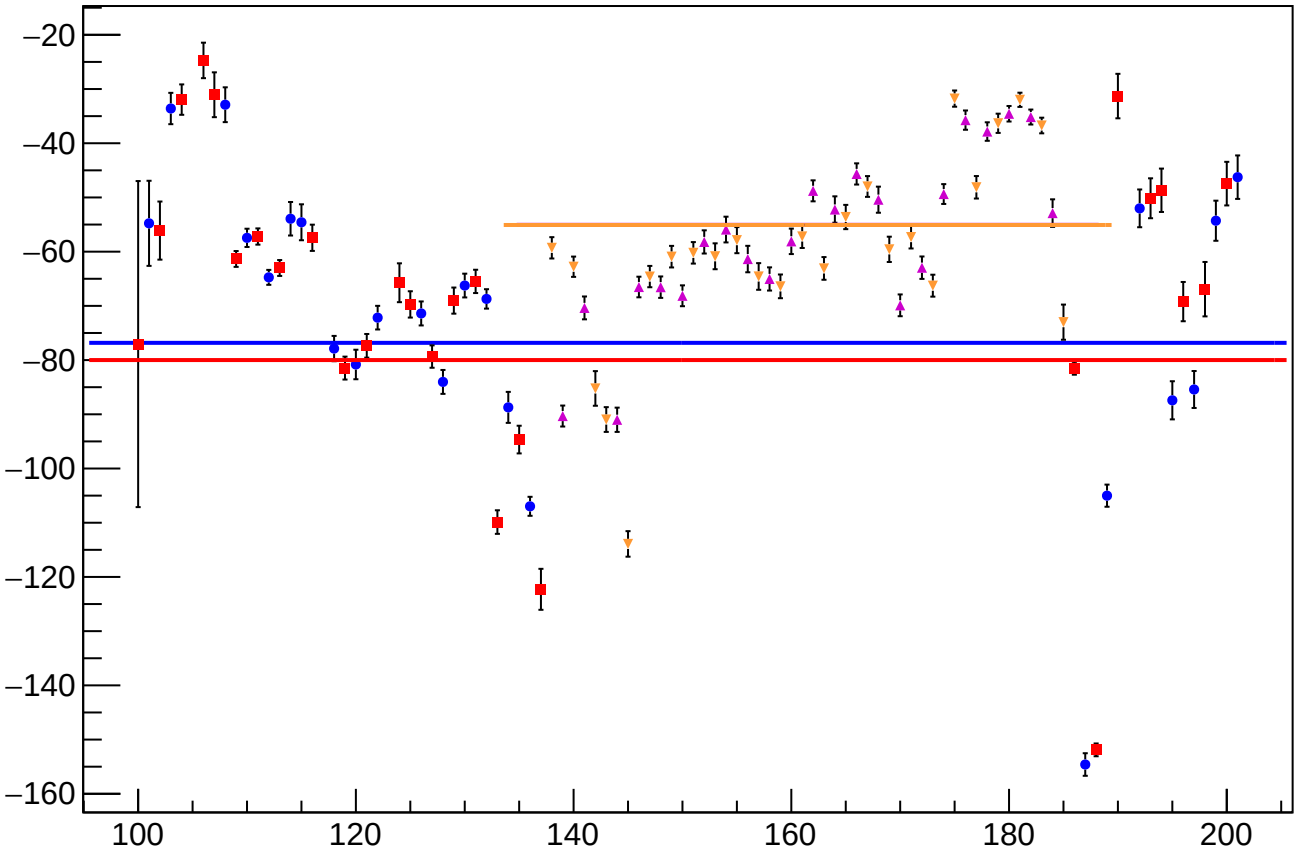
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 83.354+/-0.032 χ^2/NDF: 1128216.3/49

In: 107.006+/-0.028 χ^2/NDF:439539.0/45

Out: 97.571+/-0.027 χ^2/NDF:1498994.2/50

All: 102.054+/-0.019 χ^2/NDF: 1996982.0/96



Right In: -76.818+/-0.496 χ^2/NDF: 2856.4/22

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -79.994+/-0.430 χ^2/NDF: 5867.9/26

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

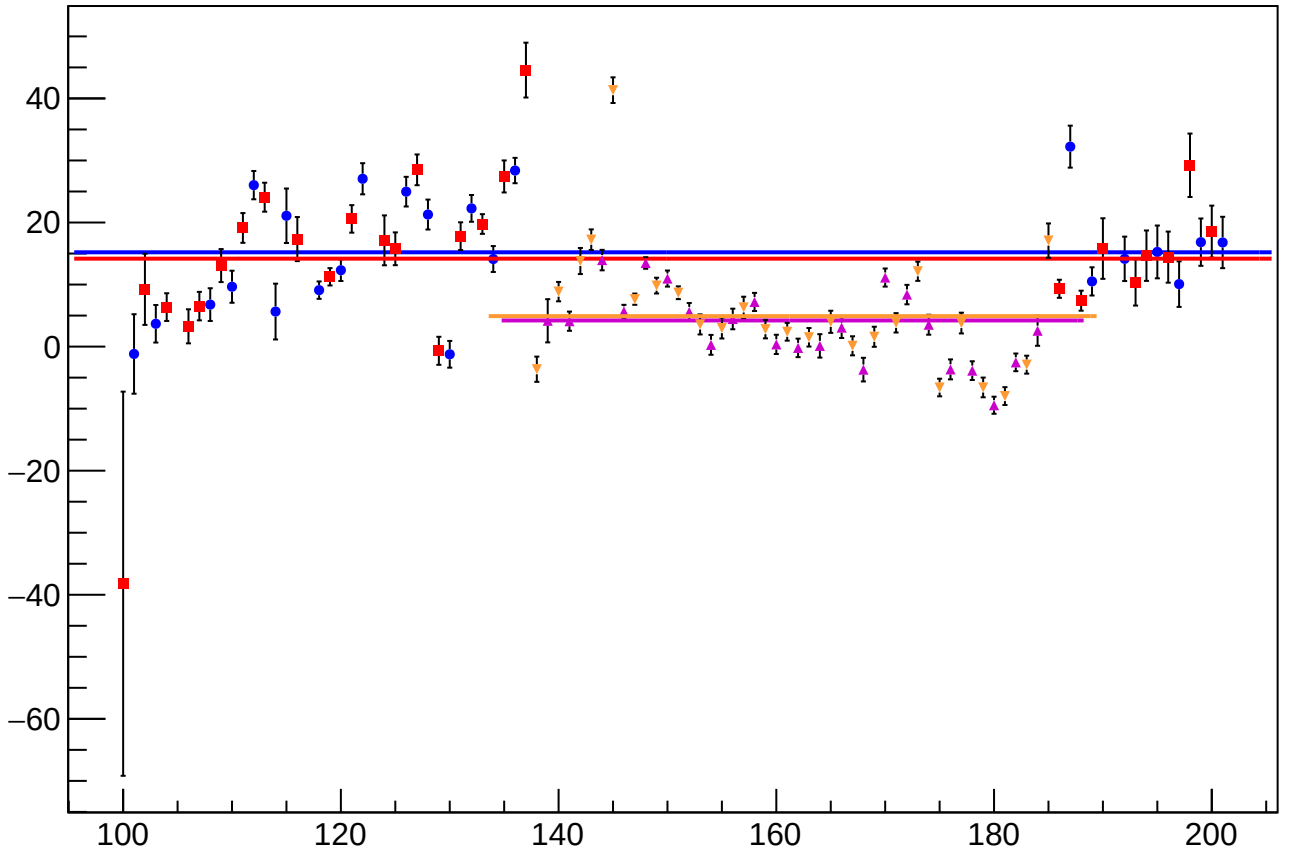
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -78.631+/-0.325 χ^2/NDF: 8747.7/49

In: -63.904+/-0.316 χ^2/NDF:5542.2/45

Out: -66.655+/-0.293 χ^2/NDF:9668.8/51

All: -65.384+/-0.215 χ^2/NDF: 15251.7/97



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: 14.174+/-0.477 χ^2/NDF: 284.5/26

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

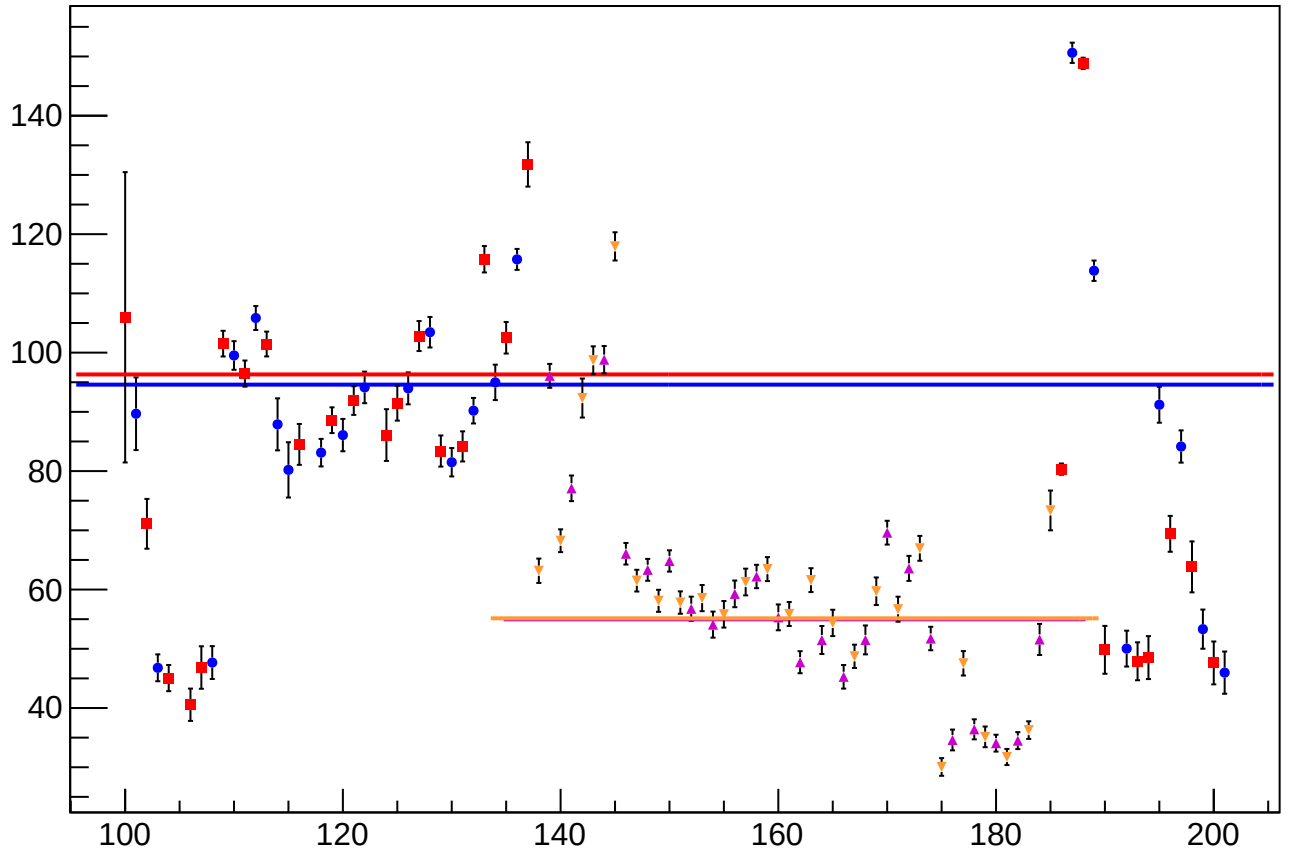
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.635+/-0.354 χ^2/NDF: 561.0/49

In: 7.058+/-0.269 χ^2/NDF:1009.6/45

Out: 7.552+/-0.255 χ^2/NDF:1295.5/51

All: 7.319+/-0.185 χ^2/NDF: 2307.0/97



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: 96.318+/-0.433 χ^2/NDF: 5657.1/26

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

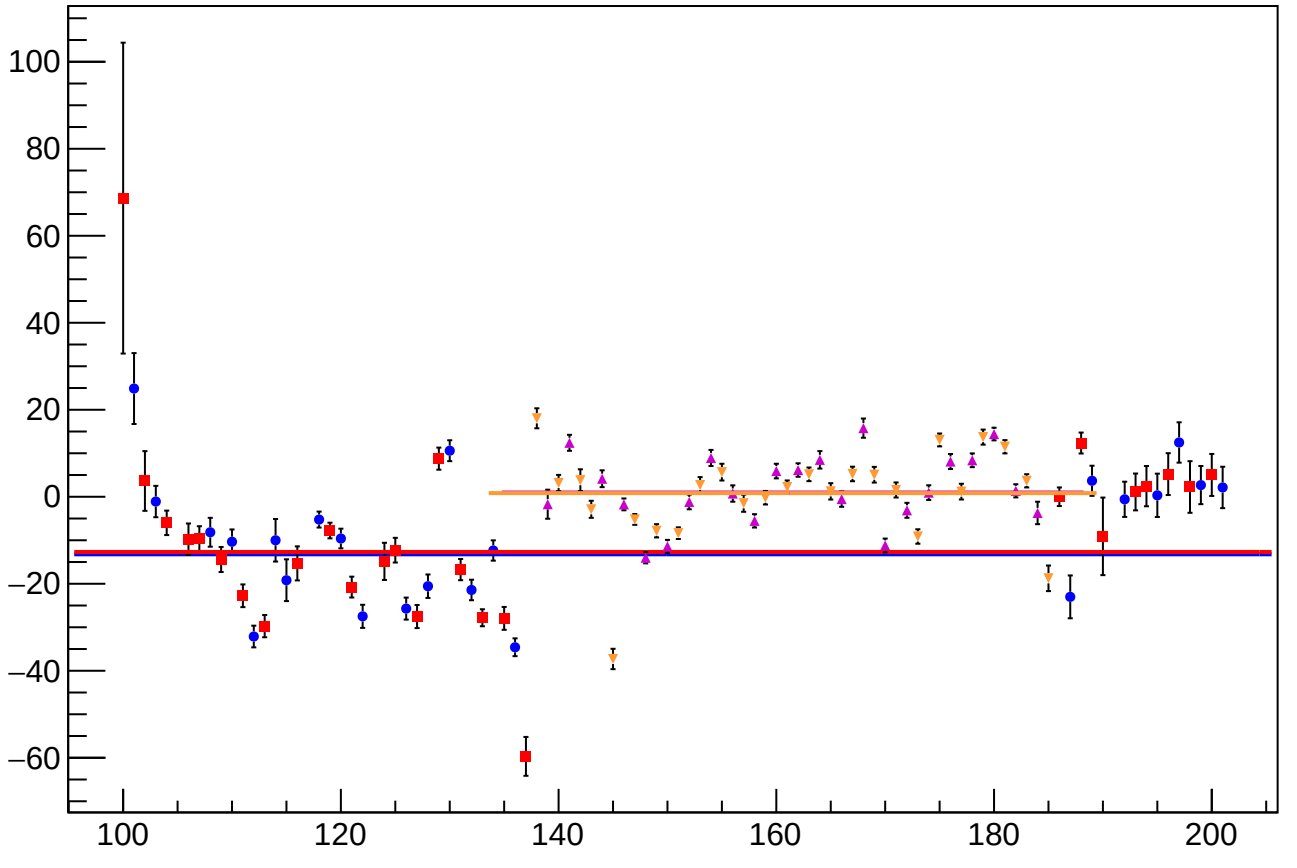
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 95.619+/-0.334 χ^2/NDF: 8438.1/49

In: 69.811+/-0.321 χ^2/NDF:8129.5/45

Out: 73.931+/-0.293 χ^2/NDF:12810.5/51

All: 72.059+/-0.216 χ^2/NDF: 21029.9/97



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: -12.686+/-0.574 χ^2/NDF: 605.8/26

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

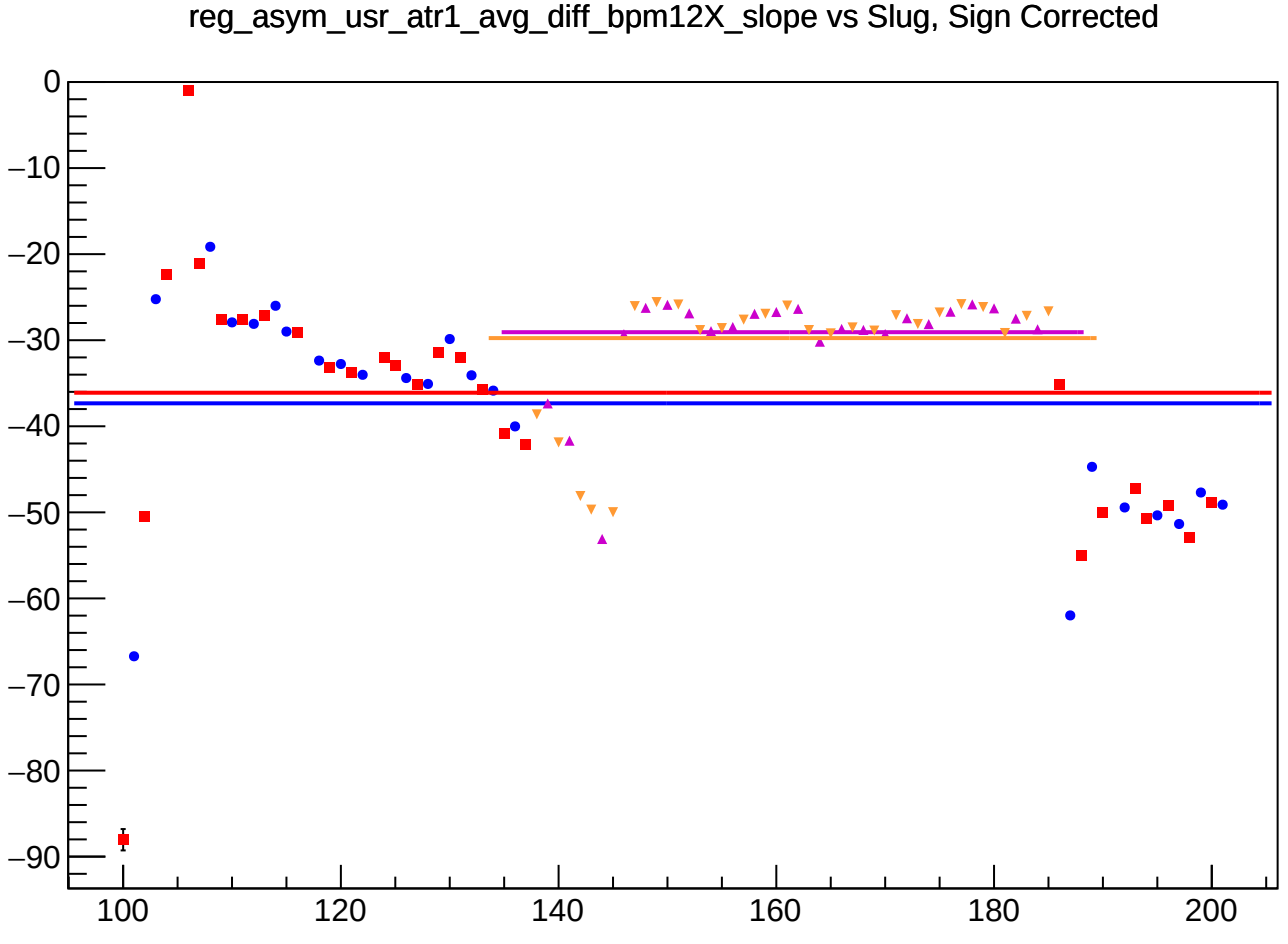
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.937+/-0.420 χ^2/NDF: 1103.2/49

In: -2.529+/-0.307 χ^2/NDF:1454.8/45

Out: -2.717+/-0.294 χ^2/NDF:1732.2/51

All: -2.627+/-0.212 χ^2/NDF: 3187.2/97



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: -36.102+/-0.031 χ^2/NDF: 197627.0/26

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

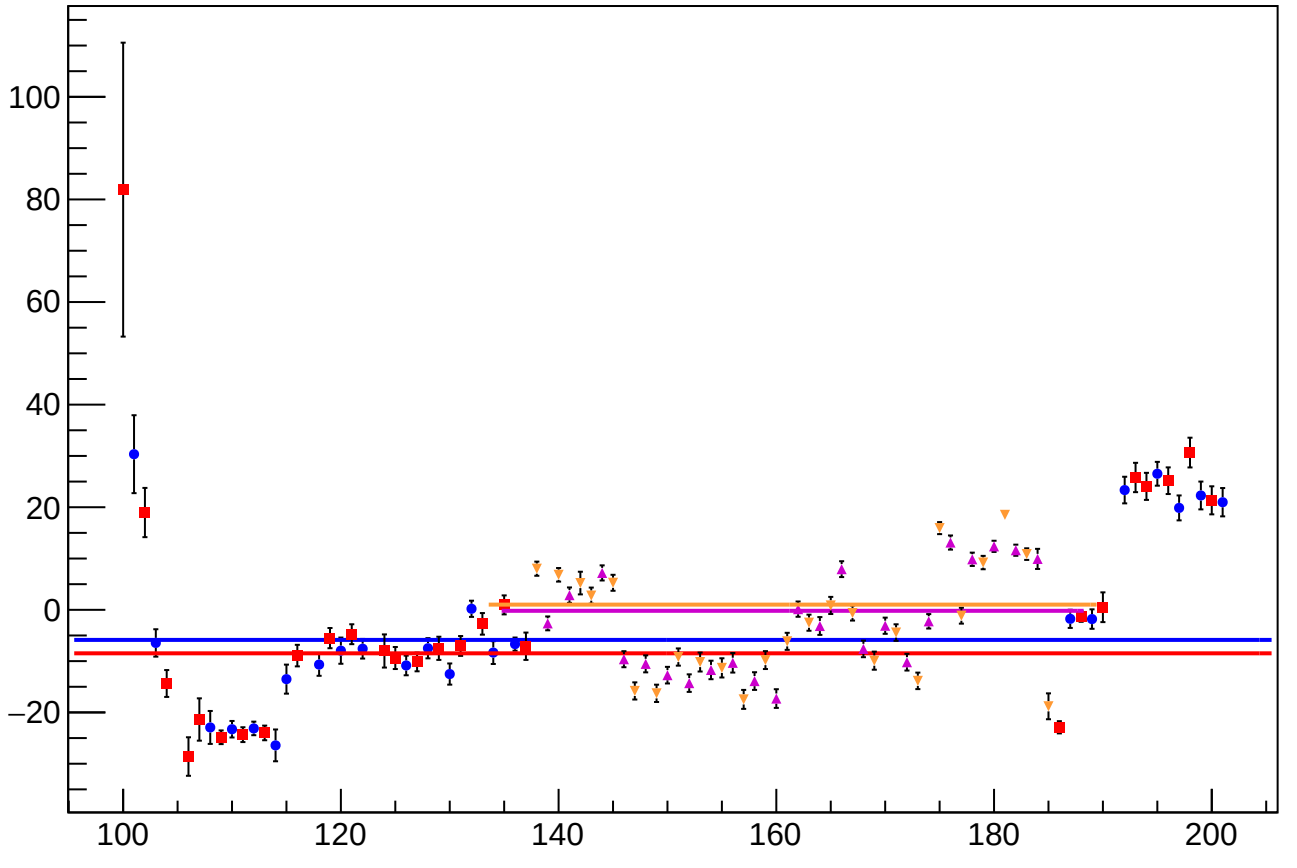
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.702+/-0.022 χ^2/NDF: 307848.4/49

In: -30.705+/-0.014 χ^2/NDF:265255.4/45

Out: -31.033+/-0.014 χ^2/NDF:394669.5/51

All: -30.872+/-0.010 χ^2/NDF: 660199.2/97



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: -8.479+/-0.384 χ^2/NDF: 1487.1/26

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

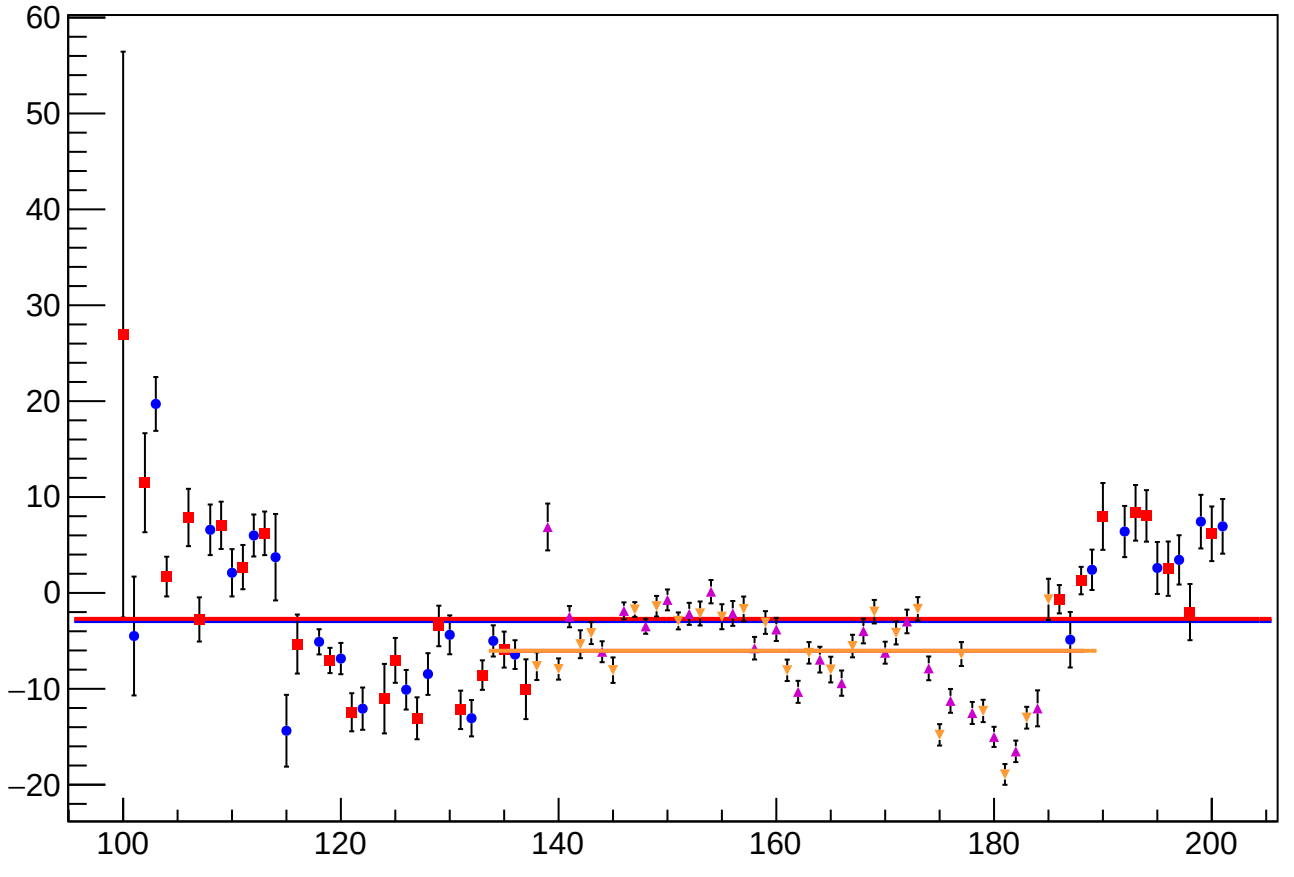
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

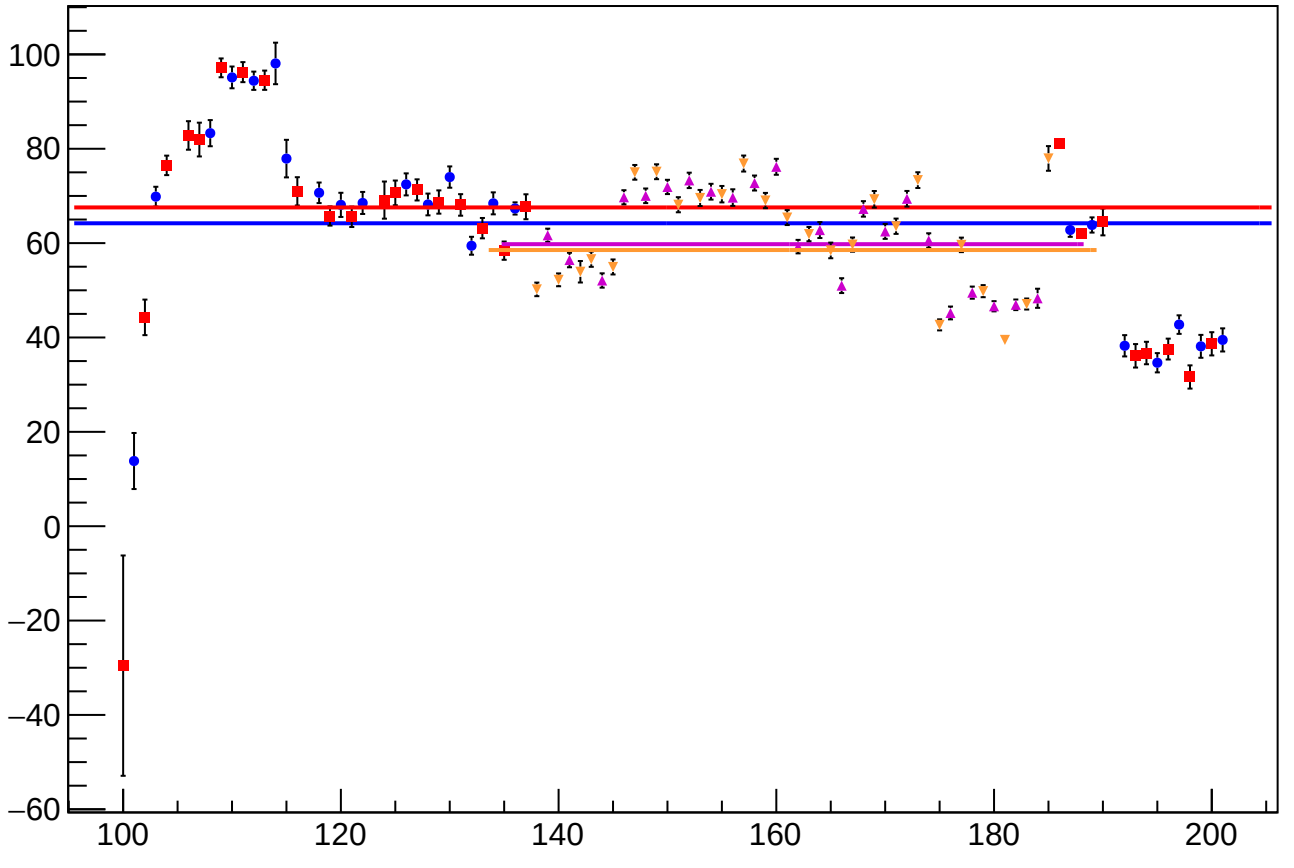
Right: -7.318+/-0.286 χ^2/NDF: 2583.5/49

In: -2.172+/-0.254 χ^2/NDF:2172.0/45

Out: -2.658+/-0.239 χ^2/NDF:3197.7/51

All: -2.430+/-0.174 χ^2/NDF: 5371.6/97


reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -2.936+/-0.458 χ²/NDF: 245.8/22
Left Out: -6.035+/-0.233 χ²/NDF:414.9/24
Right Out: -2.706+/-0.428 χ²/NDF: 237.1/26
Left In: -6.043+/-0.243 χ²/NDF:396.2/22
Left: -6.039+/-0.168 χ²/NDF: 811.1/47
Right: -2.814+/-0.313 χ²/NDF: 483.0/49
In: -5.362+/-0.214 χ²/NDF:677.9/45
Out: -5.274+/-0.205 χ²/NDF:698.7/51
All: -5.316+/-0.148 χ²/NDF: 1376.6/97



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: 67.565+/-0.385 χ^2/NDF: 1833.5/26

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

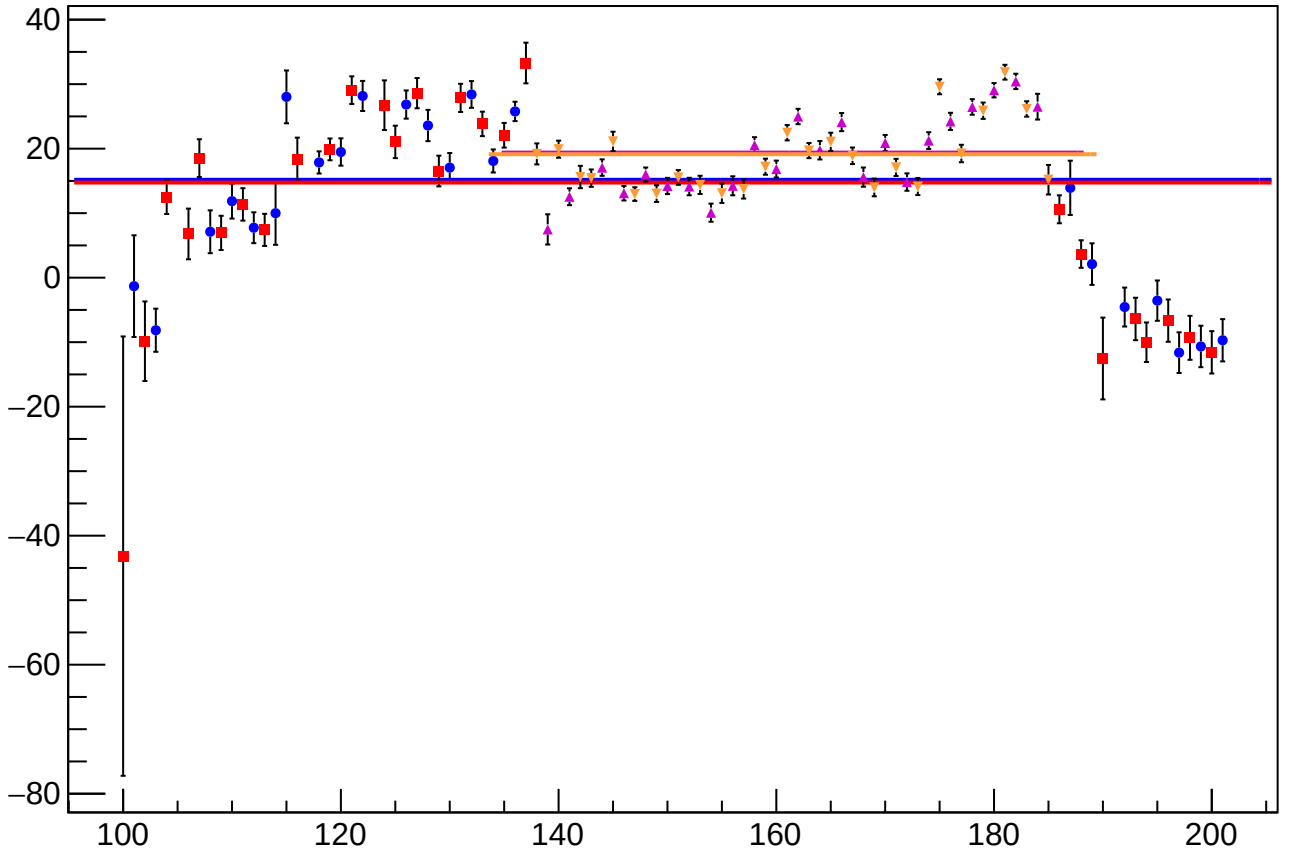
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 66.132+/-0.292 χ^2/NDF: 3230.9/49

In: 61.227+/-0.255 χ^2/NDF:2501.6/45

Out: 61.988+/-0.238 χ^2/NDF:3622.5/51

All: 61.634+/-0.174 χ^2/NDF: 6128.8/97



Right In: 15.170+/-0.529 χ^2/NDF: 542.8/22

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 14.748+/-0.510 χ^2/NDF: 571.9/26

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

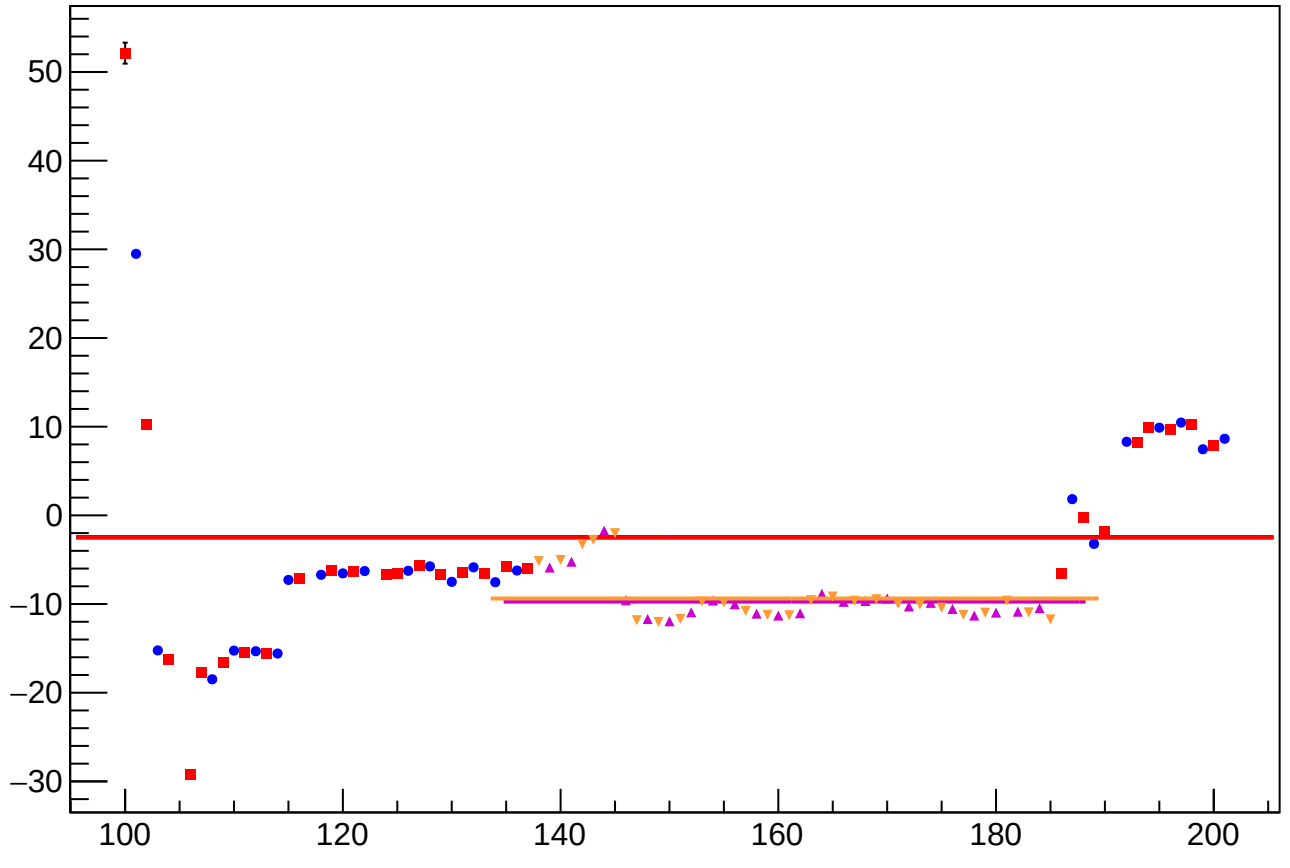
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 14.951+/-0.367 χ^2/NDF: 1115.0/49

In: 18.499+/-0.243 χ^2/NDF:1060.8/45

Out: 18.210+/-0.234 χ^2/NDF:1064.1/51

All: 18.349+/-0.169 χ^2/NDF: 2125.6/97



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: -2.515+/-0.026 χ^2/NDF: 174043.4/26

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

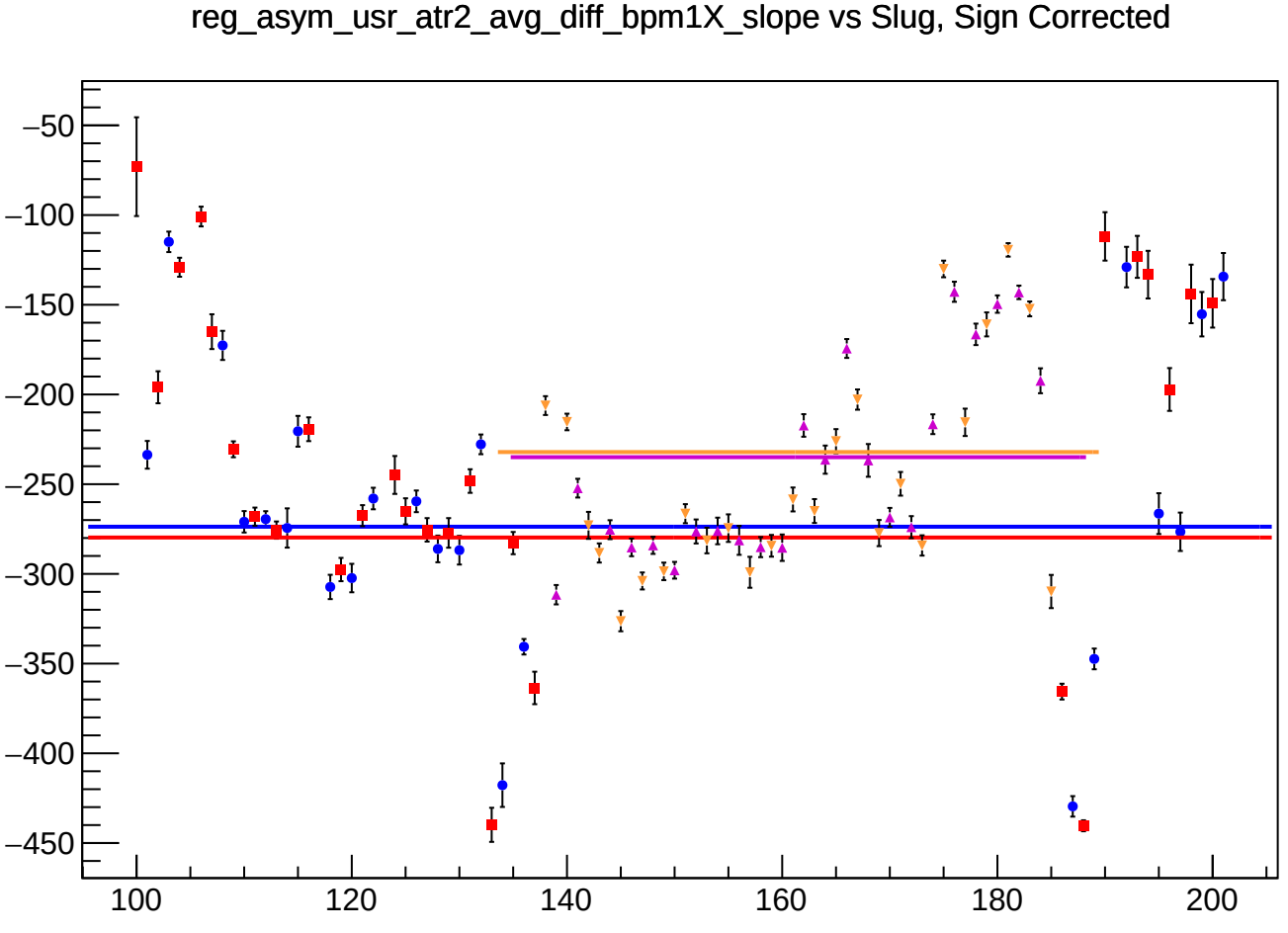
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -2.485+/-0.018 χ^2/NDF: 319654.3/49

In: -8.381+/-0.011 χ^2/NDF:244211.8/45

Out: -8.159+/-0.011 χ^2/NDF:283058.8/51

All: -8.268+/-0.008 χ^2/NDF: 527480.0/97



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: -279.721+/-1.256 χ^2/NDF: 6573.1/26

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

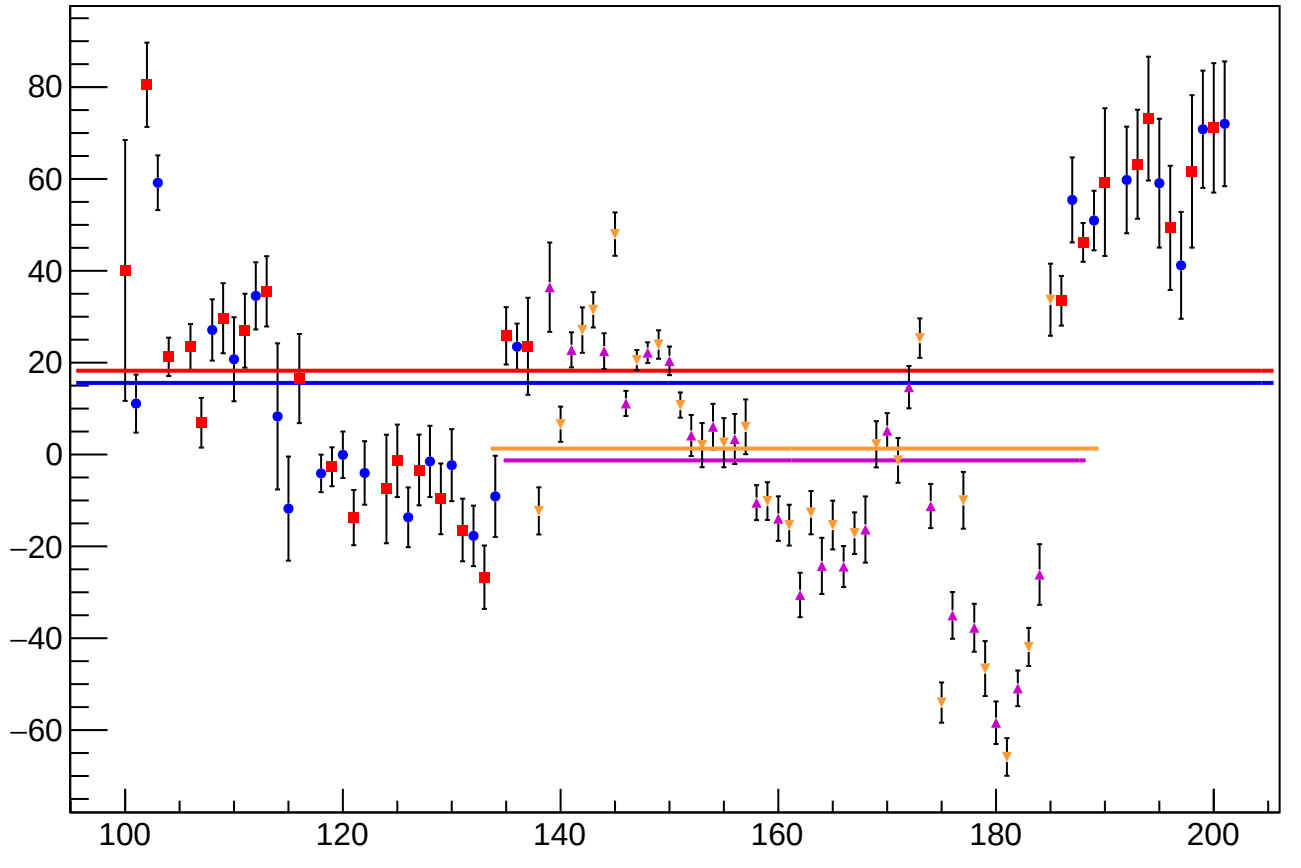
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -277.124+/-0.947 χ^2/NDF: 9361.0/49

In: -250.433+/-0.911 χ^2/NDF:5682.2/45

Out: -253.664+/-0.845 χ^2/NDF:10629.5/51

All: -252.169+/-0.620 χ^2/NDF: 16318.5/97



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: 18.249+/-1.357 χ^2/NDF: 331.2/26

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

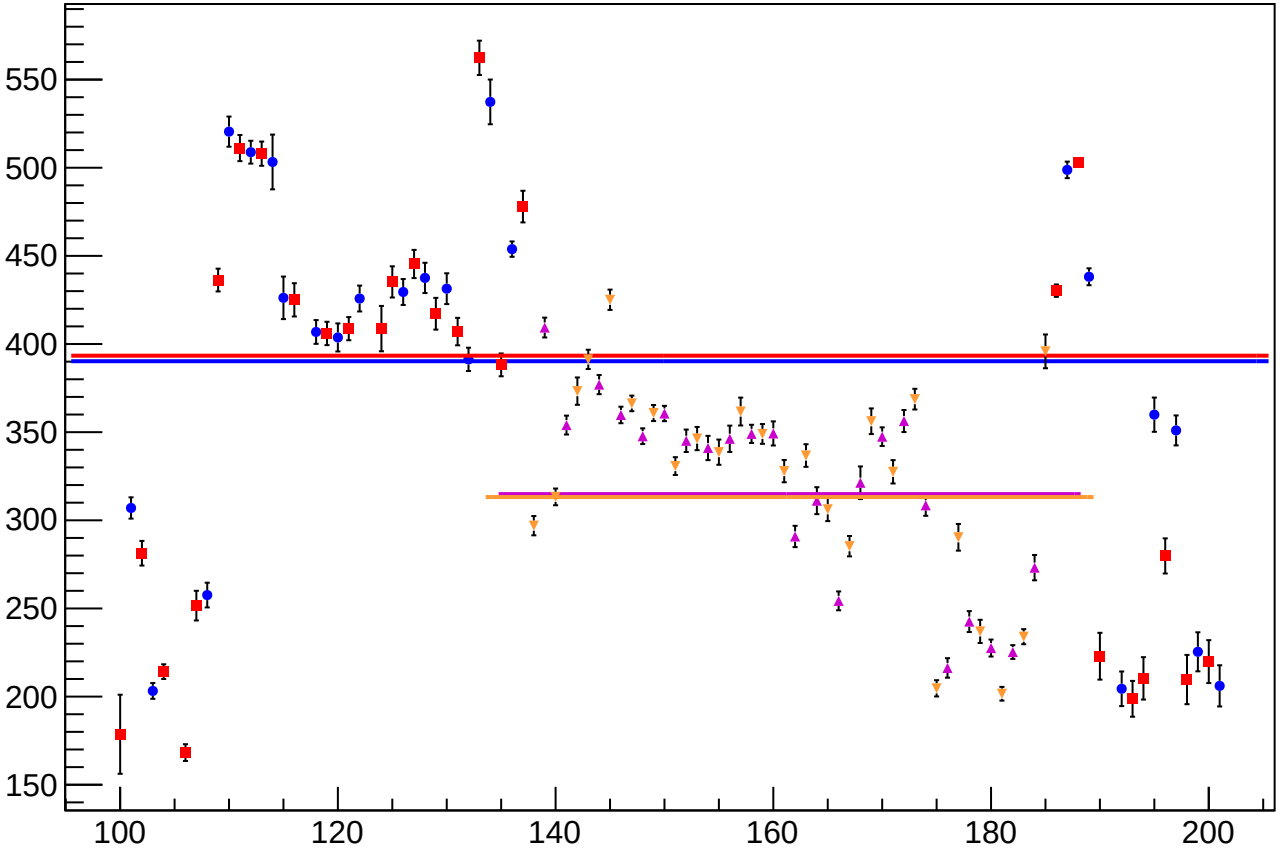
Right: 17.064+/-1.010 χ^2/NDF: 623.3/49

In: 2.904+/-0.753 χ^2/NDF:1195.1/45

Out: 5.968+/-0.712 χ^2/NDF:1493.8/51

All: 4.522+/-0.518 χ^2/NDF: 2697.6/97

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 393.386+/-1.231 χ^2/NDF: 9134.7/26

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

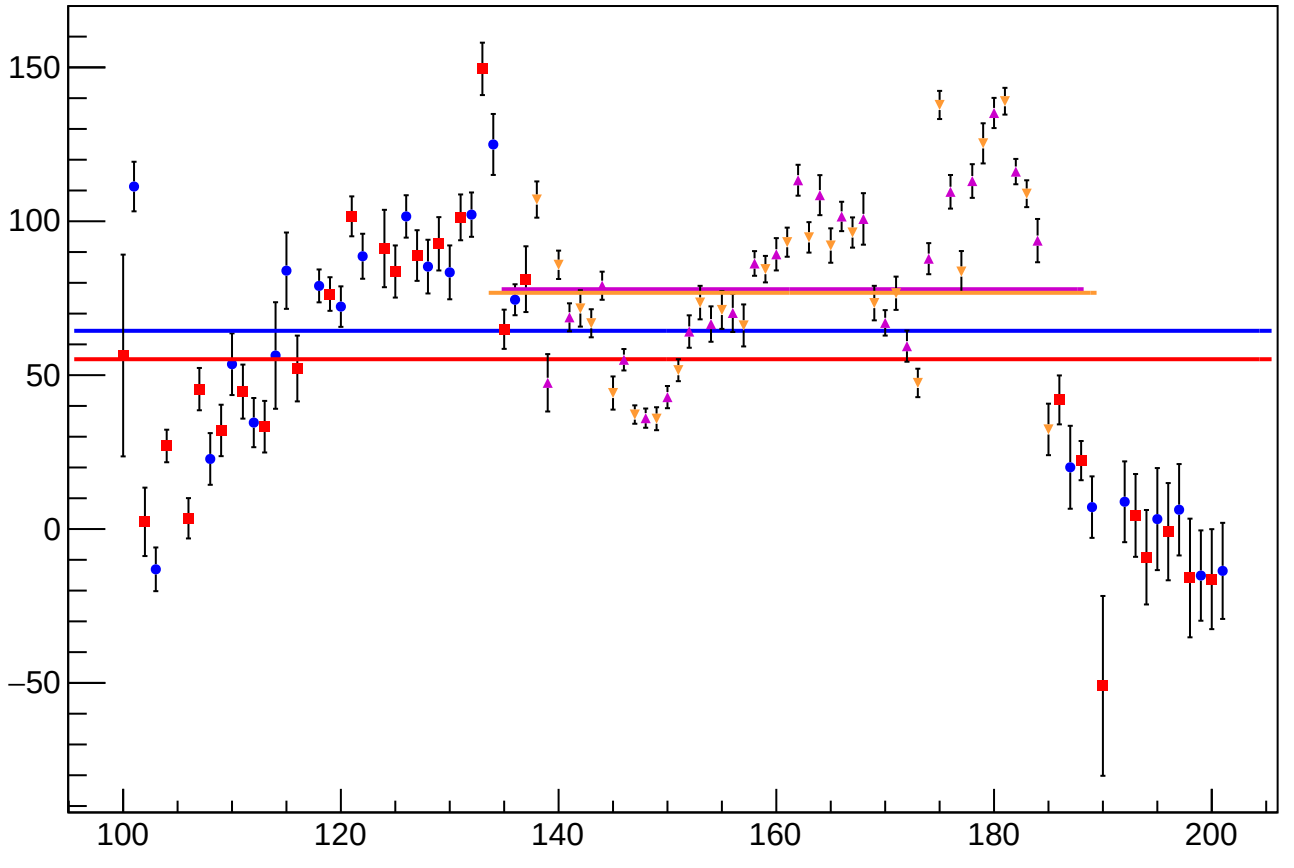
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 392.084+/-0.941 χ^2/NDF: 14012.4/49

In: 344.062+/-0.909 χ^2/NDF:8936.0/45

Out: 350.003+/-0.834 χ^2/NDF:14565.7/51

All: 347.288+/-0.615 χ^2/NDF: 23524.9/97



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: 55.178+/-1.639 χ^2/NDF: 542.0/26

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

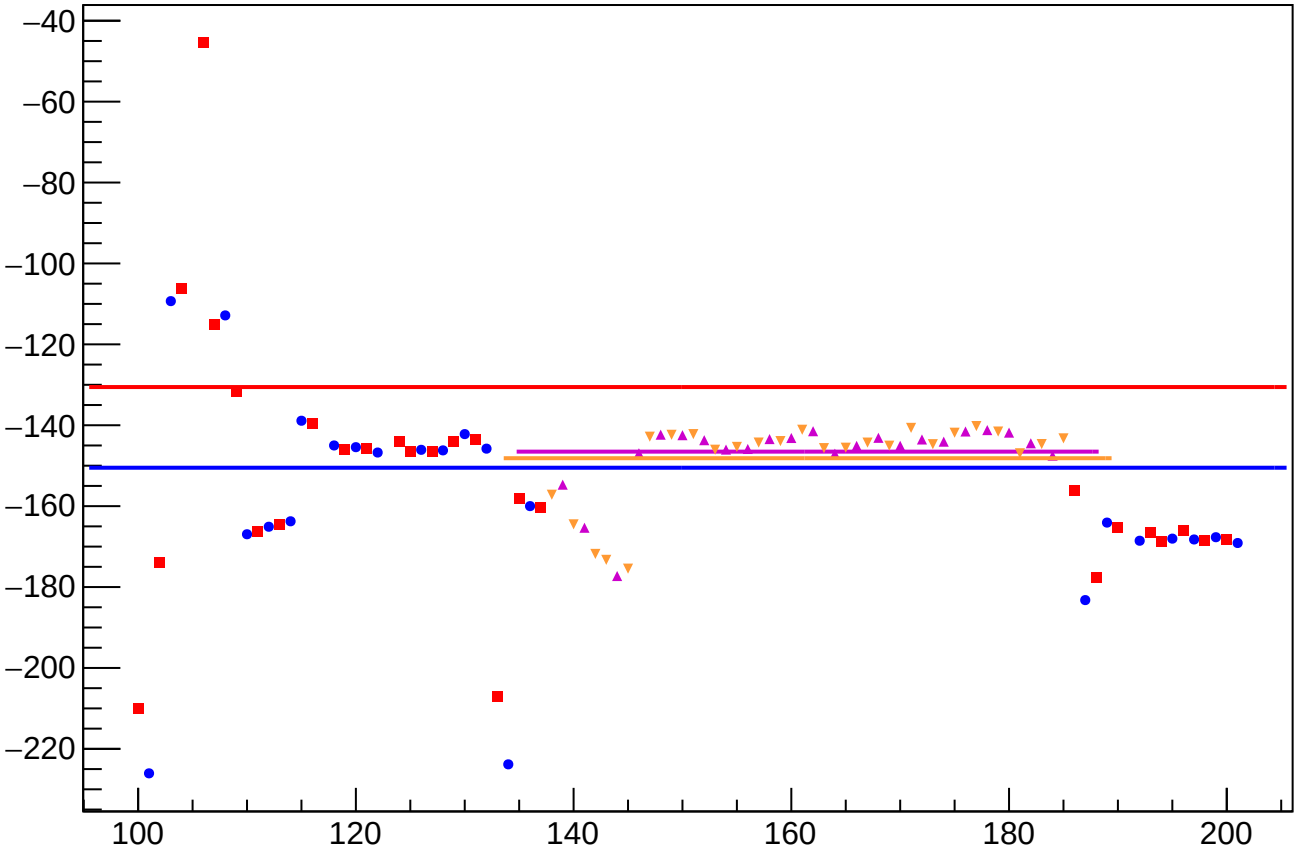
Right: 59.416+/-1.205 χ^2/NDF: 1025.0/49

In: 74.692+/-0.870 χ^2/NDF:1296.2/45

Out: 71.188+/-0.833 χ^2/NDF:1706.0/51

All: 72.864+/-0.601 χ^2/NDF: 3010.7/97

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -130.557+/-0.079 χ^2/NDF: 337161.1/26

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

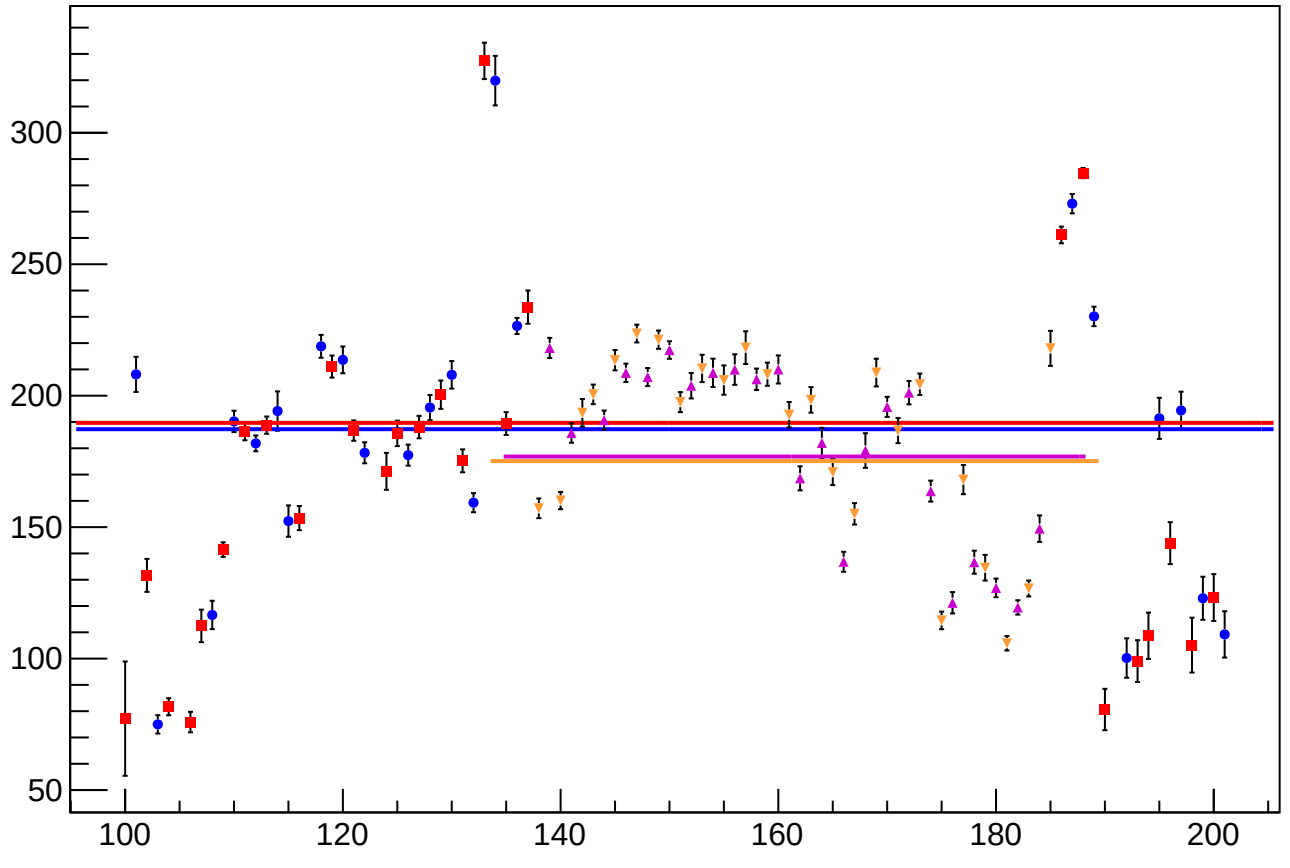
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -139.585+/-0.058 χ^2/NDF: 511423.7/49

In: -147.385+/-0.040 χ^2/NDF:176043.1/45

Out: -143.804+/-0.039 χ^2/NDF:423661.5/51

All: -145.541+/-0.028 χ^2/NDF: 603768.7/97



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: 189.673+/-0.831 χ^2/NDF: 6568.7/26

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

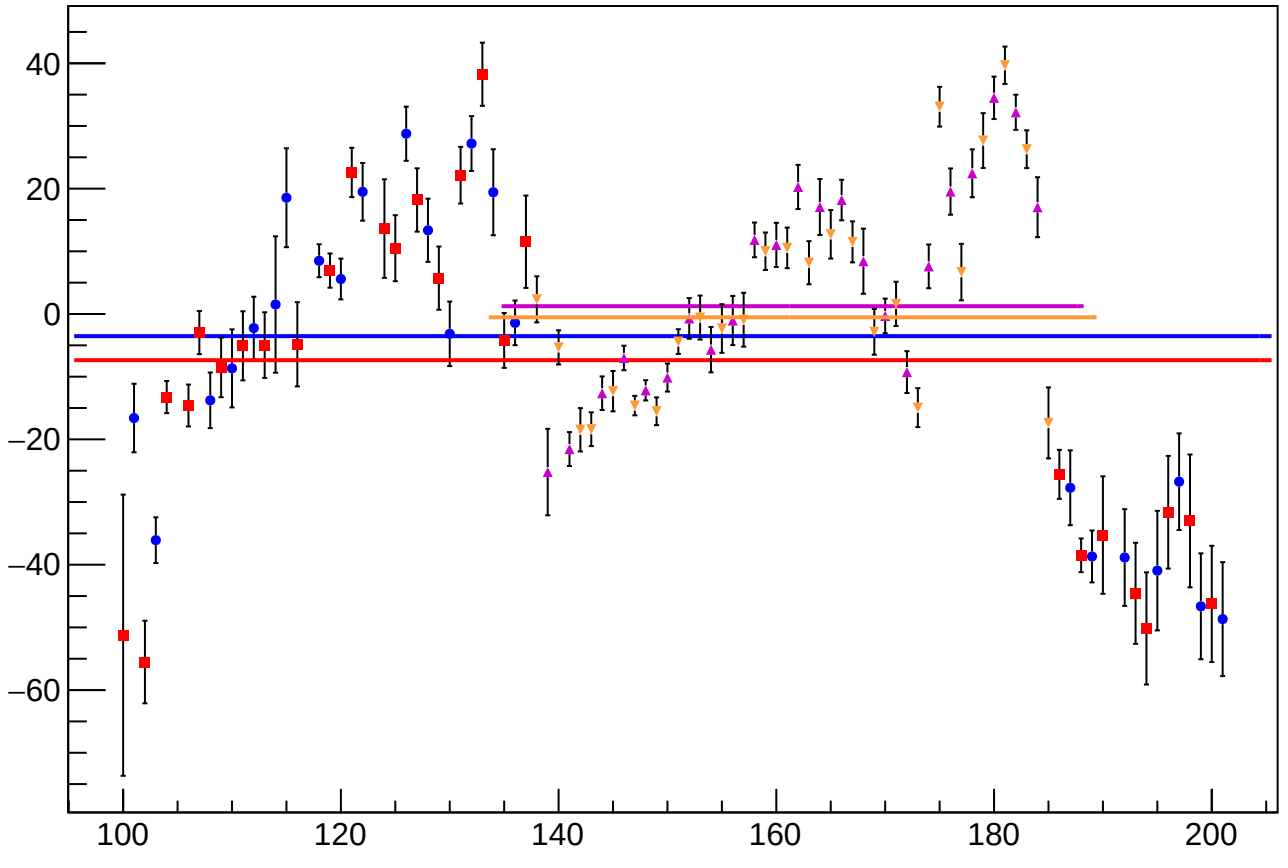
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.645+/-0.630 χ^2/NDF: 9306.0/49

In: 181.383+/-0.637 χ^2/NDF:4555.2/45

Out: 182.319+/-0.584 χ^2/NDF:9018.8/51

All: 181.891+/-0.431 χ^2/NDF: 13575.2/97



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: -7.370+/-0.894 χ^2/NDF: 577.2/26

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

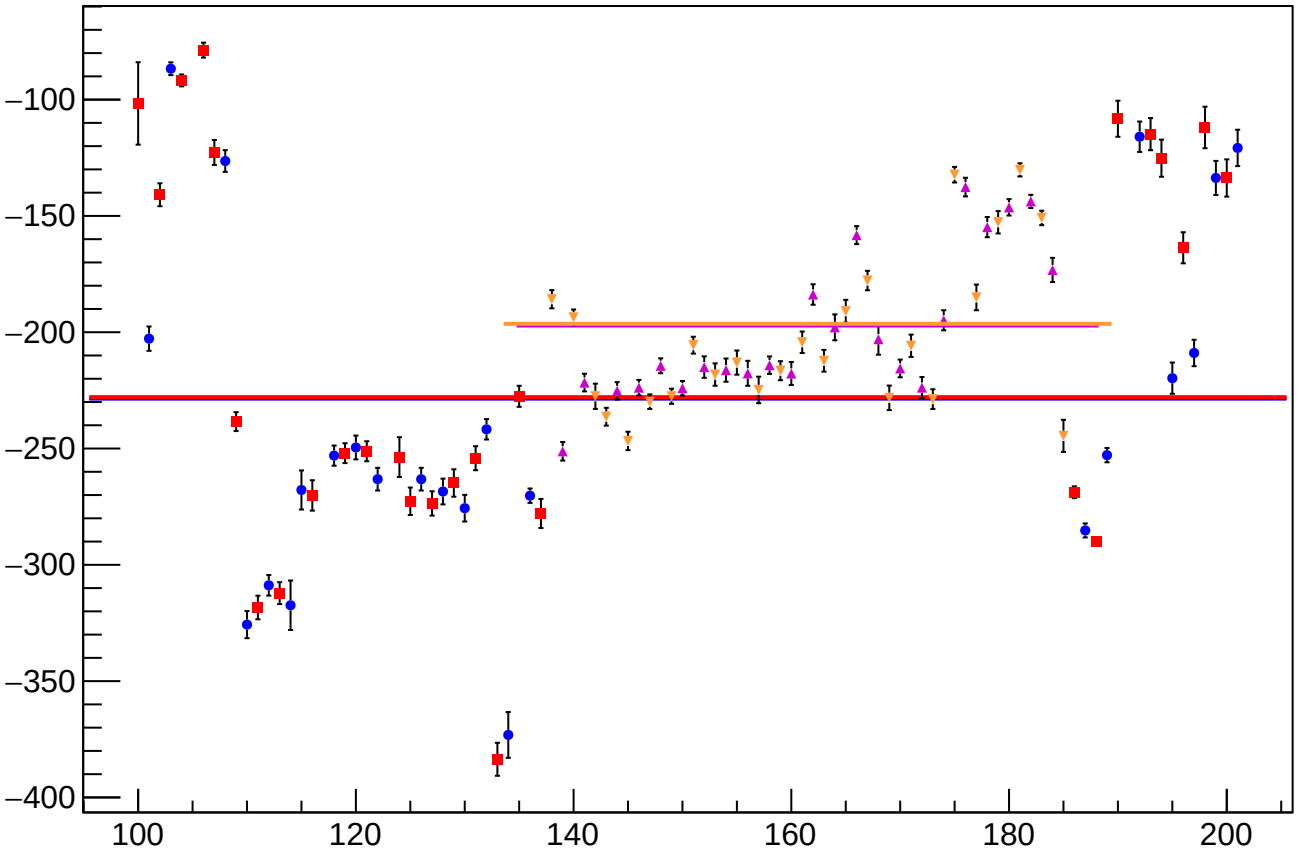
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -5.688+/-0.670 χ^2/NDF: 1051.4/49

In: -0.076+/-0.532 χ^2/NDF:1102.9/45

Out: -2.654+/-0.499 χ^2/NDF:1342.0/51

All: -1.449+/-0.364 χ^2/NDF: 2457.4/97



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: -227.917+/-0.811 χ^2/NDF: 10171.7/26

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

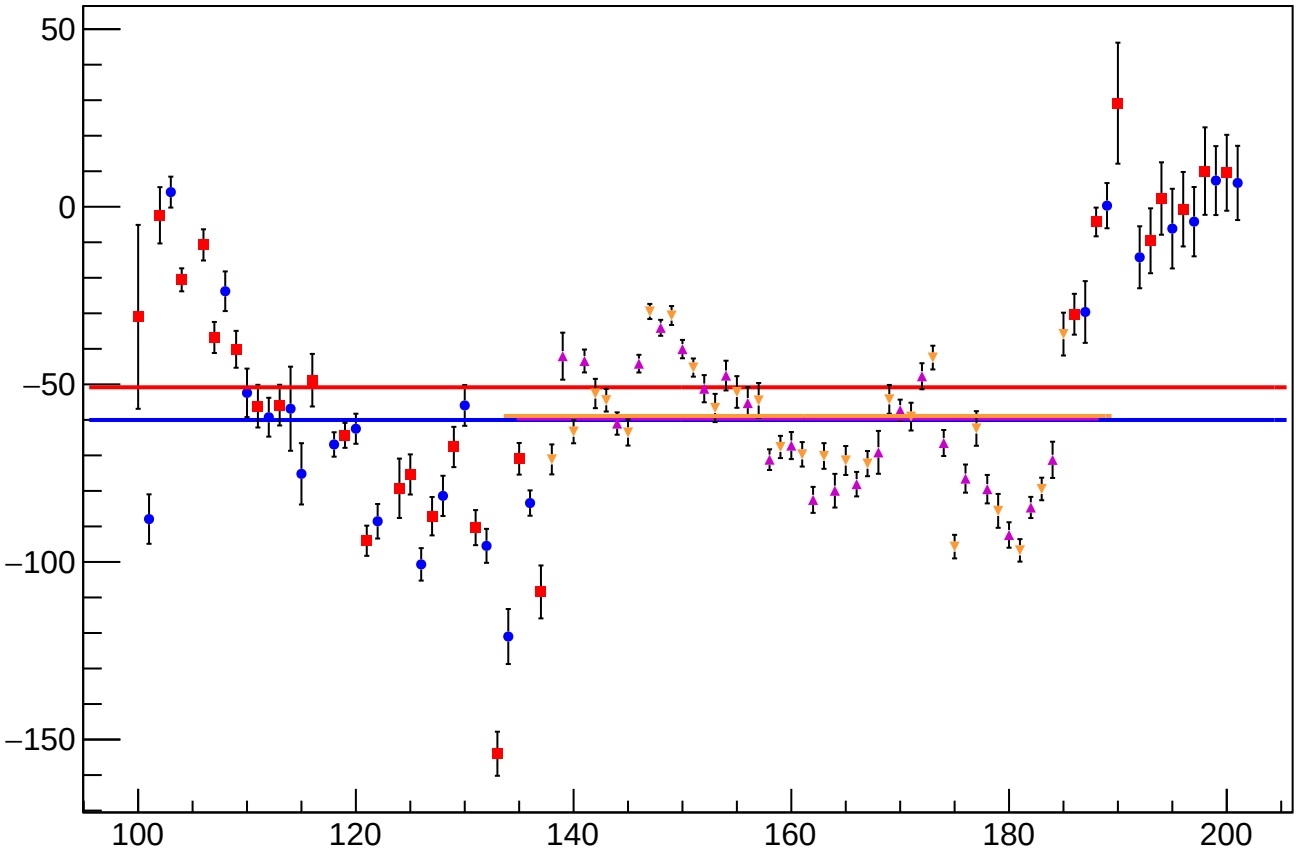
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -228.169+/-0.623 χ^2/NDF: 15799.2/49

In: -210.448+/-0.635 χ^2/NDF:7826.2/45

Out: -212.244+/-0.575 χ^2/NDF:12921.2/51

All: -211.435+/-0.426 χ^2/NDF: 20751.8/97



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: -50.828+/-1.082 χ^2/NDF: 1141.6/26

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

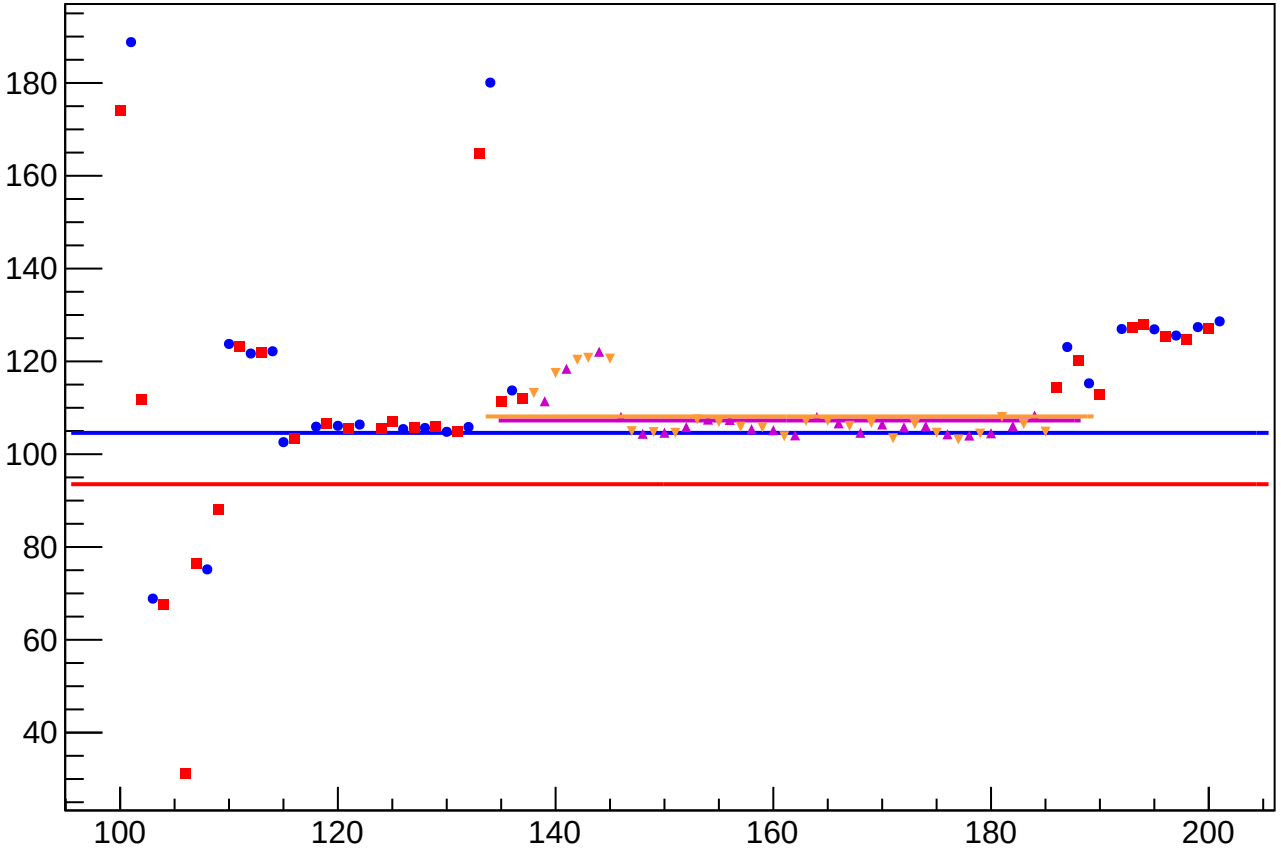
Right: -54.977+/-0.802 χ^2/NDF: 2020.9/49

In: -59.741+/-0.615 χ^2/NDF:1443.8/45

Out: -56.550+/-0.585 χ^2/NDF:1963.6/51

All: -58.064+/-0.424 χ^2/NDF: 3421.6/97

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 93.533+/-0.053 χ^2/NDF: 366501.5/26

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

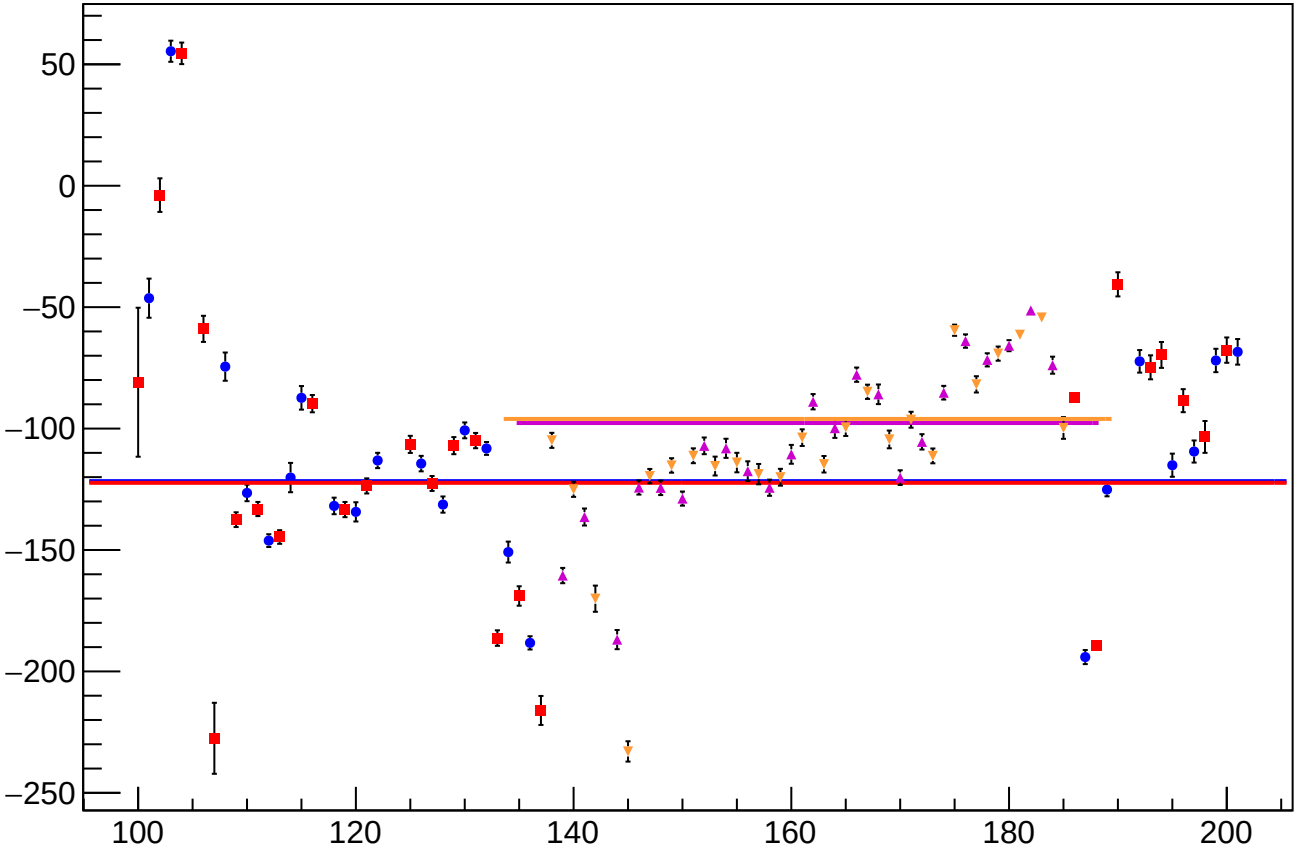
Right: 98.600+/-0.039 χ^2/NDF: 654179.5/49

In: 106.615+/-0.029 χ^2/NDF:286340.9/45

Out: 104.173+/-0.028 χ^2/NDF:447873.3/51

All: 105.357+/-0.020 χ^2/NDF: 737983.4/97

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -121.644+/-0.761 χ^2/NDF: 3650.1/22

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -122.331+/-0.664 χ^2/NDF: 5897.6/25

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

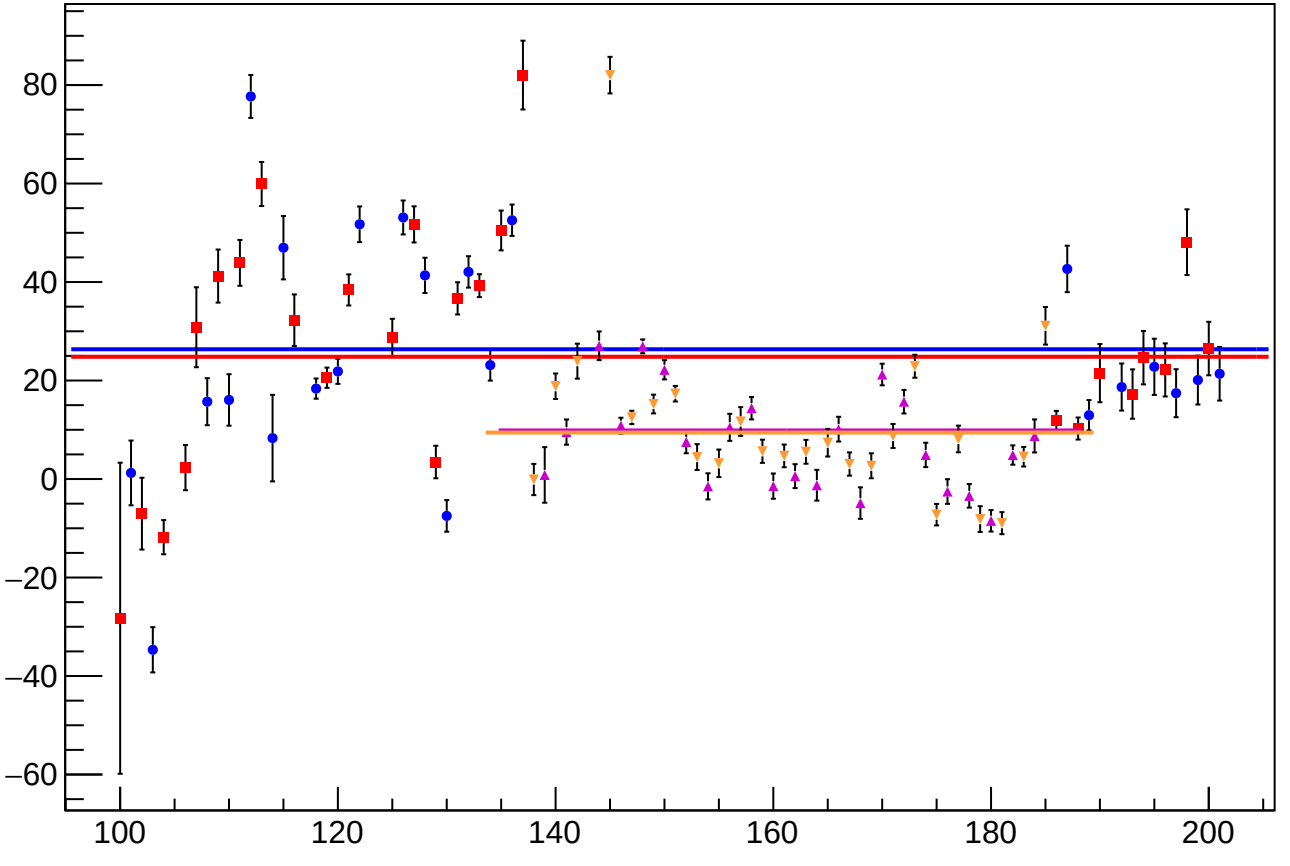
Right: -122.034+/-0.500 χ^2/NDF: 9548.1/48

In: -107.604+/-0.489 χ^2/NDF:6871.4/45

Out: -108.593+/-0.459 χ^2/NDF:9488.7/49

All: -108.130+/-0.335 χ^2/NDF: 16362.3/95

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: 24.827+/-0.726 χ^2/NDF: 624.1/25

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

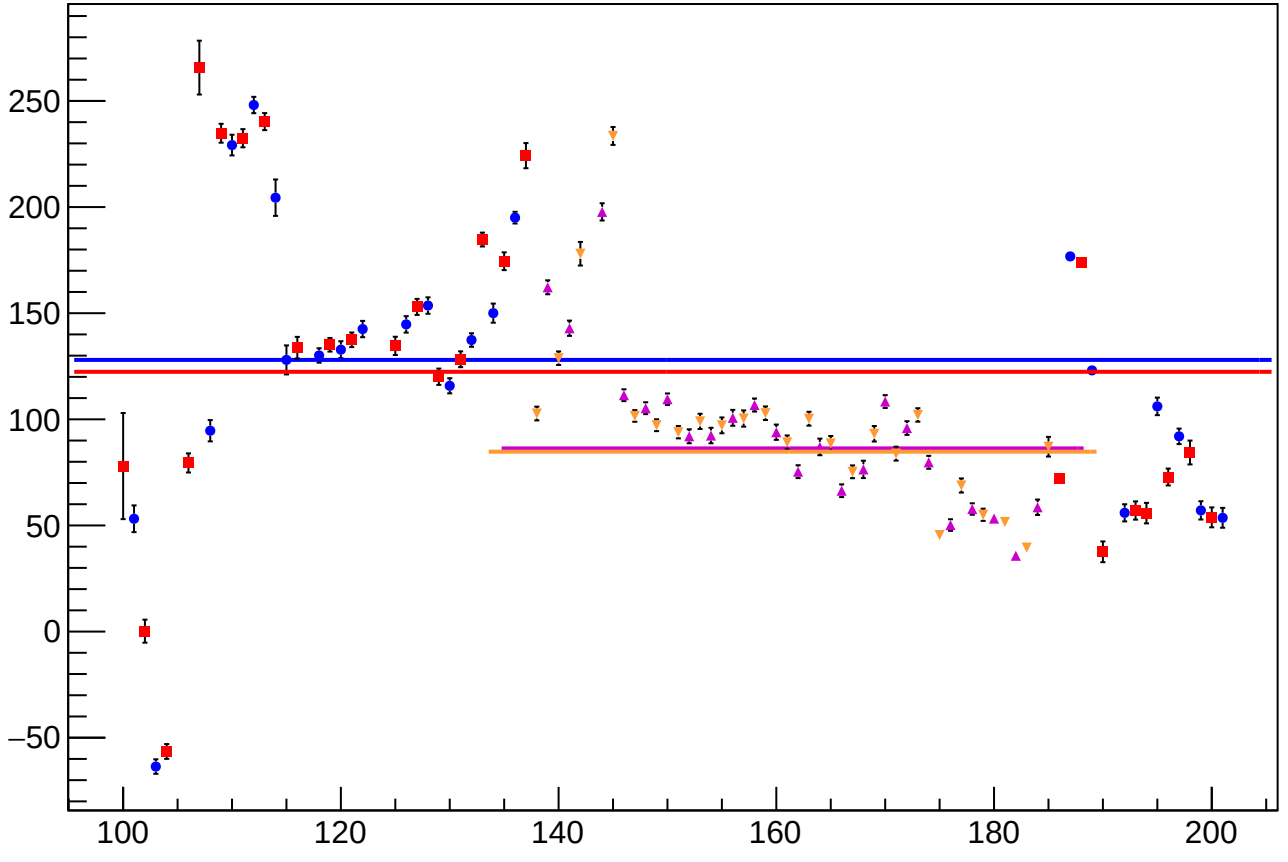
Right: 25.527+/-0.534 χ^2/NDF: 1368.4/48

In: 14.413+/-0.414 χ^2/NDF:1544.4/45

Out: 14.092+/-0.399 χ^2/NDF:1674.0/49

All: 14.247+/-0.287 χ^2/NDF: 3218.7/95

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: 122.388+/-0.640 χ^2/NDF: 10549.9/25

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

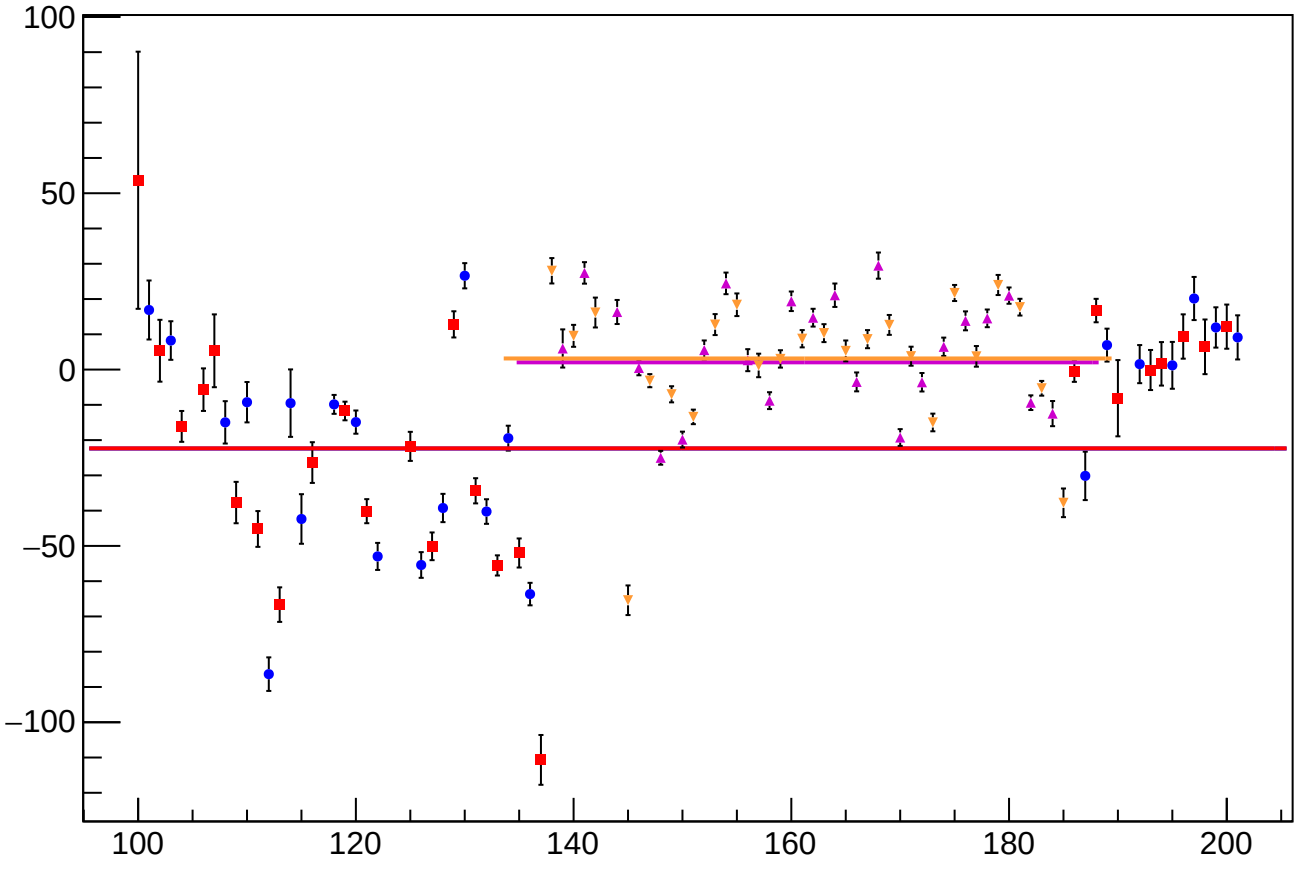
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 124.656+/-0.494 χ^2/NDF: 17497.0/48

In: 102.883+/-0.490 χ^2/NDF:11801.0/45

Out: 103.238+/-0.449 χ^2/NDF:15417.2/49

All: 103.076+/-0.331 χ^2/NDF: 27218.5/95



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: -22.338+/-0.883 χ^2/NDF: 971.3/25

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

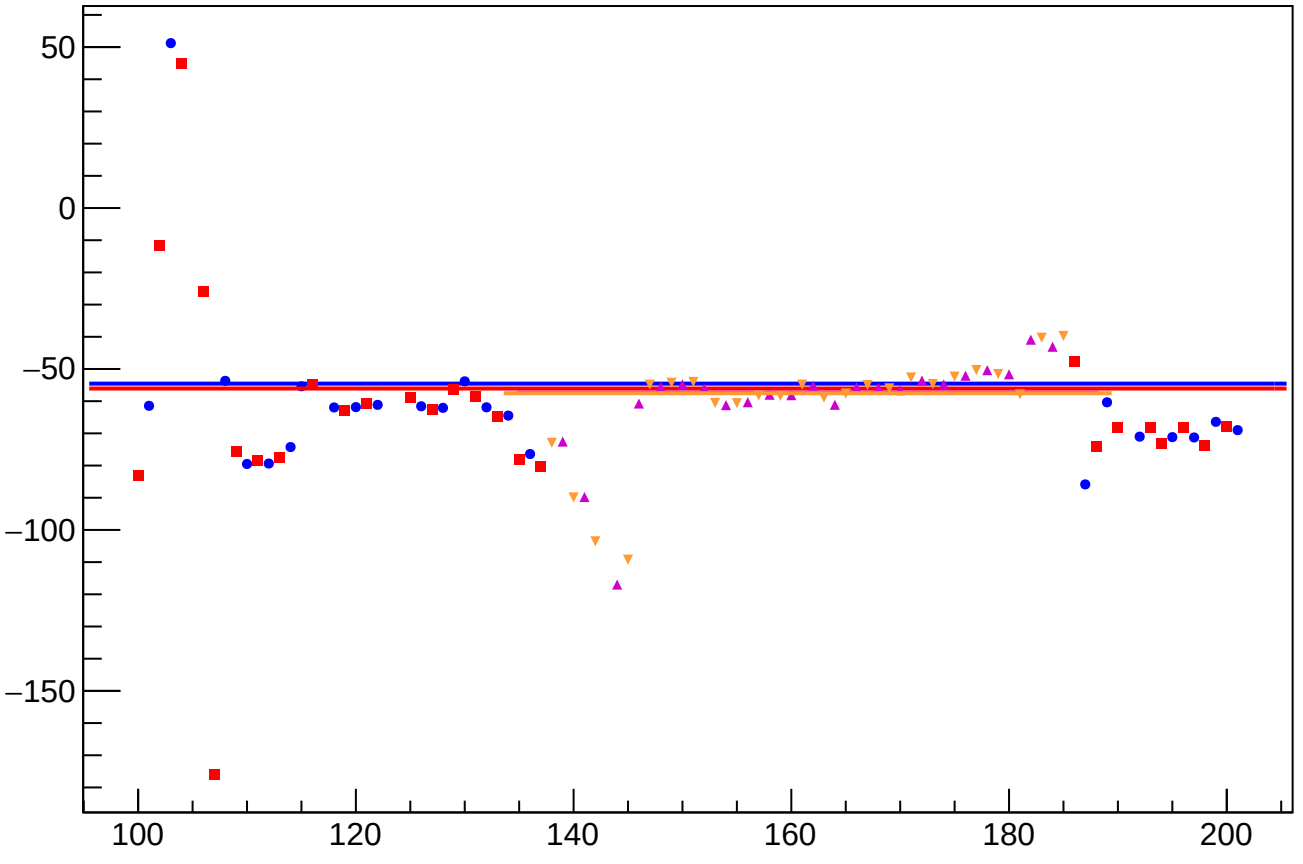
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -22.366+/-0.639 χ^2/NDF: 1977.4/48

In: -4.333+/-0.474 χ^2/NDF:2370.8/45

Out: -3.860+/-0.463 χ^2/NDF:2389.7/49

All: -4.091+/-0.331 χ^2/NDF: 4761.0/95



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: -56.077+/-0.047 χ^2/NDF: 560872.1/25

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

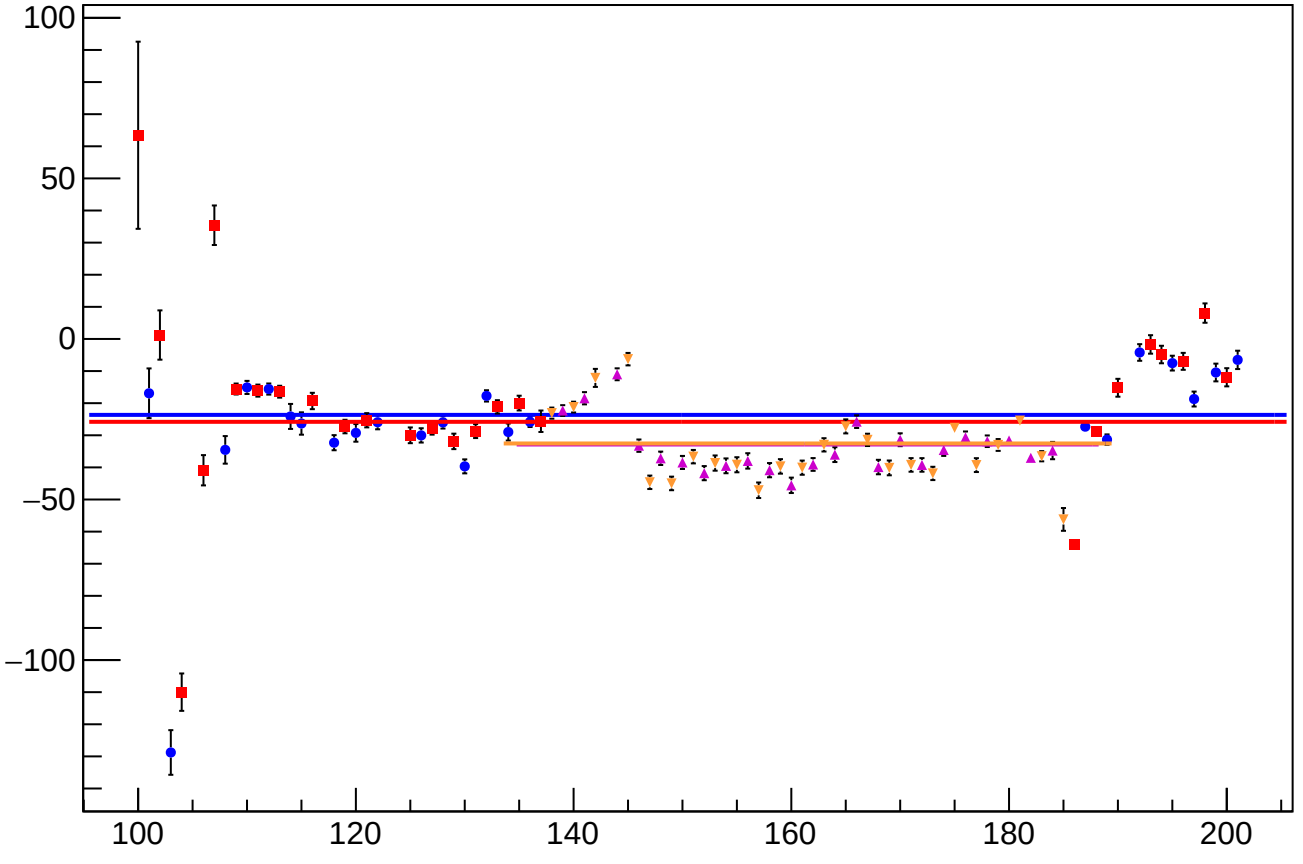
Right: -55.318+/-0.033 χ^2/NDF: 1203160.8/48

In: -56.757+/-0.022 χ^2/NDF:871745.8/45

Out: -57.211+/-0.022 χ^2/NDF:828665.1/49

All: -56.984+/-0.015 χ^2/NDF: 1700626.2/95

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: -25.805+/-0.422 χ^2/NDF: 1542.2/25

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

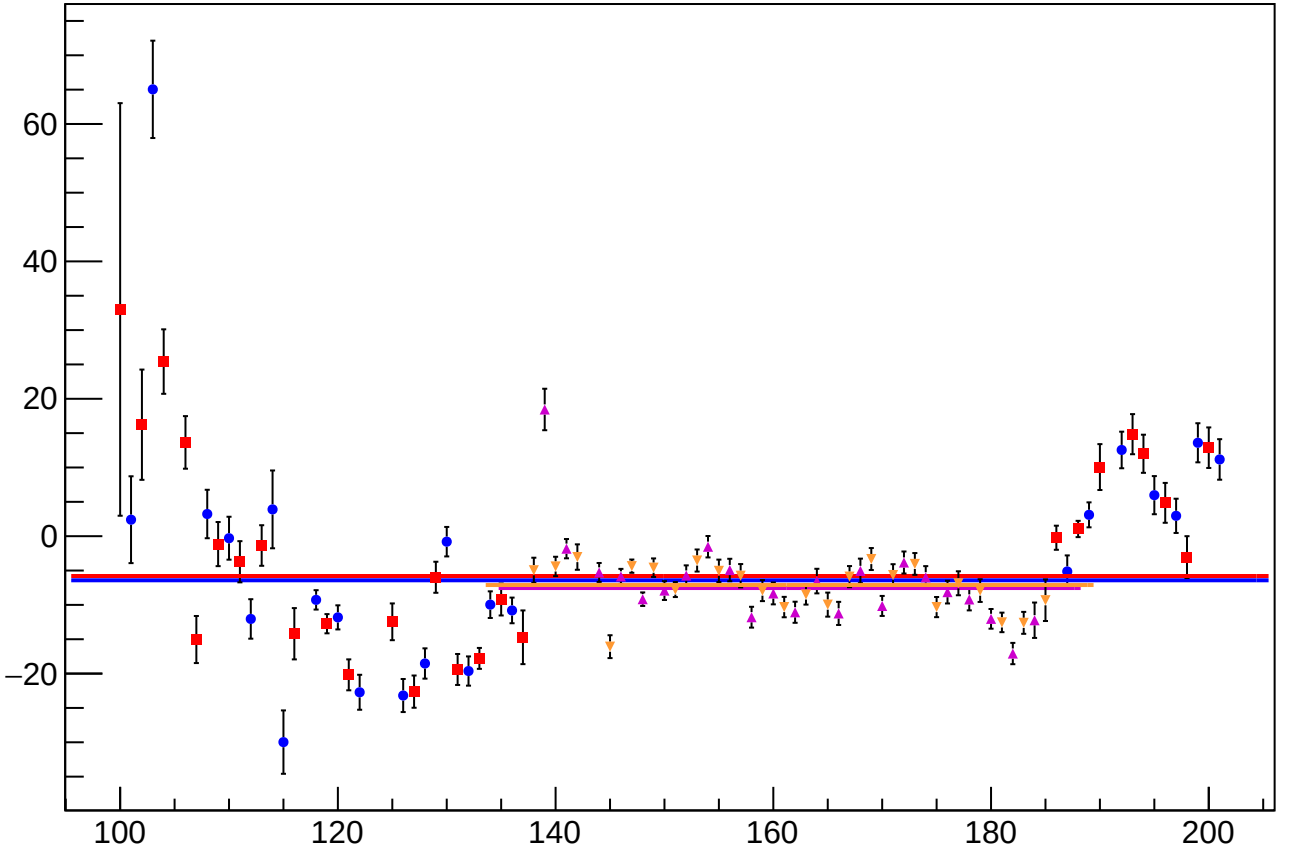
Right: -24.842+/-0.314 χ^2/NDF: 2126.9/48

In: -28.873+/-0.310 χ^2/NDF:1163.9/45

Out: -29.304+/-0.293 χ^2/NDF:2278.2/49

All: -29.101+/-0.213 χ^2/NDF: 3443.2/95

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -5.796+/-0.475 χ^2/NDF: 536.7/25

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

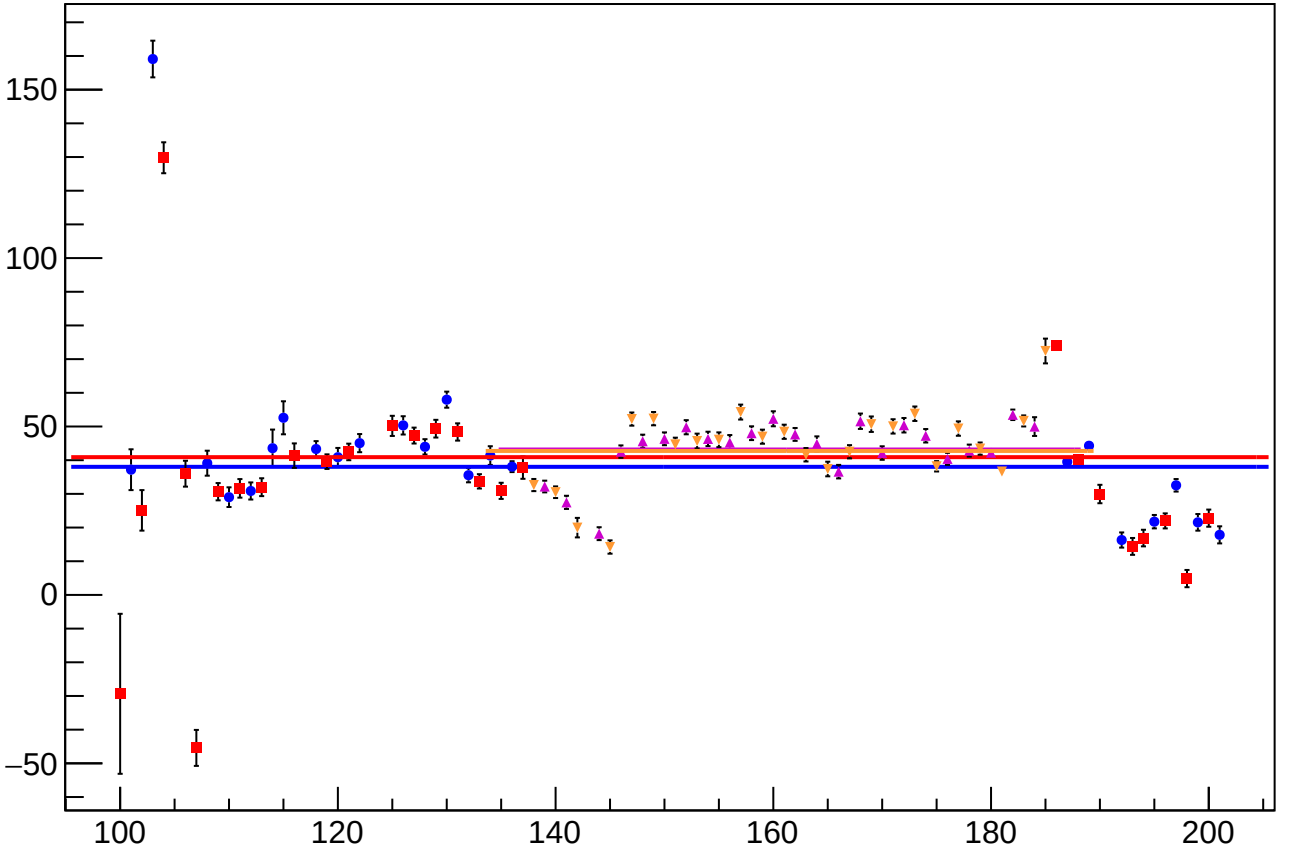
Right: -6.089+/-0.346 χ^2/NDF: 1070.9/48

In: -7.230+/-0.267 χ^2/NDF:736.8/45

Out: -6.719+/-0.259 χ^2/NDF:651.6/49

All: -6.967+/-0.186 χ^2/NDF: 1390.2/95

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 40.899+/-0.407 χ^2/NDF: 2167.4/25

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

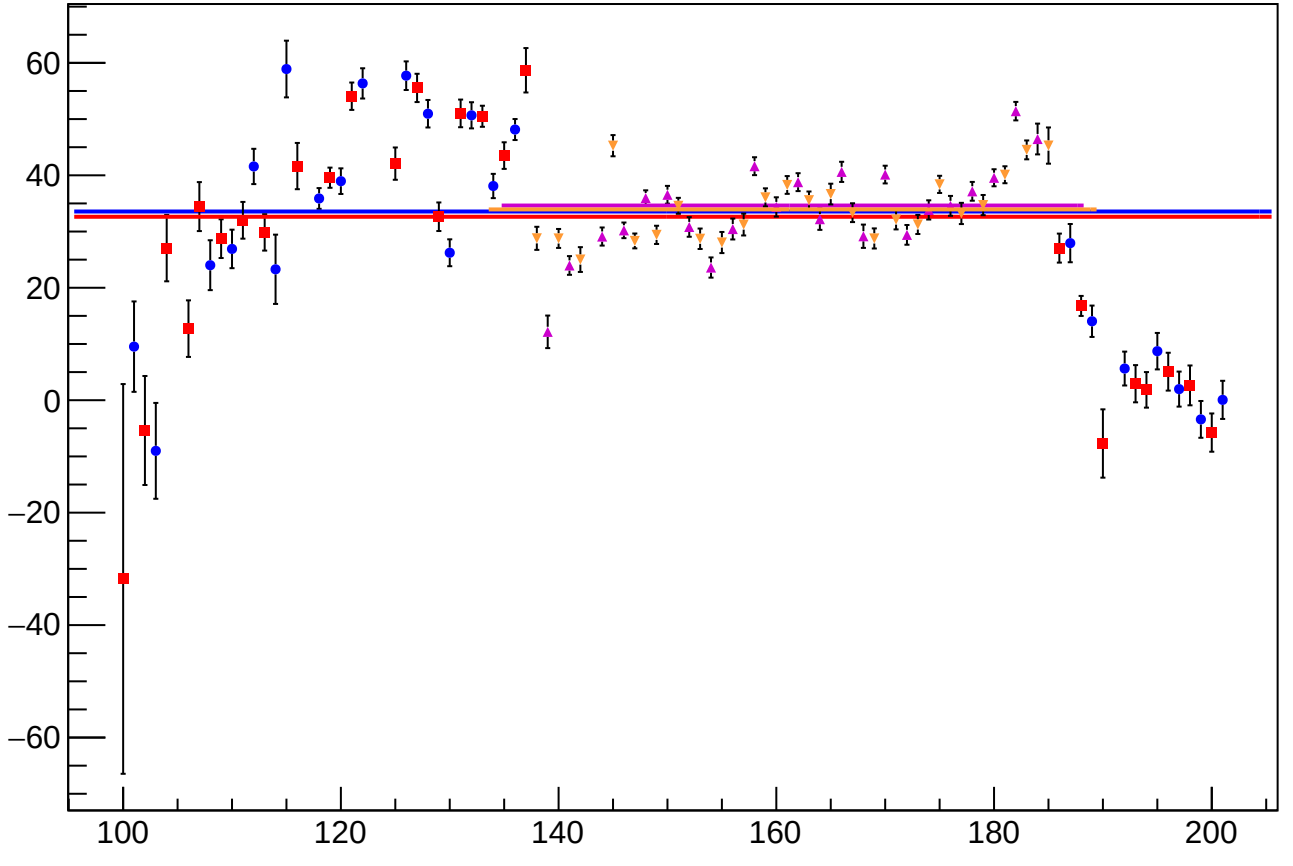
Right: 39.672+/-0.308 χ^2/NDF: 3123.0/48

In: 40.971+/-0.308 χ^2/NDF:1415.5/45

Out: 41.830+/-0.286 χ^2/NDF:2809.3/49

All: 41.432+/-0.210 χ^2/NDF: 4228.9/95

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.563+/-0.593 χ^2/NDF: 949.8/22

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 32.628+/-0.576 χ^2/NDF: 1009.6/25

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

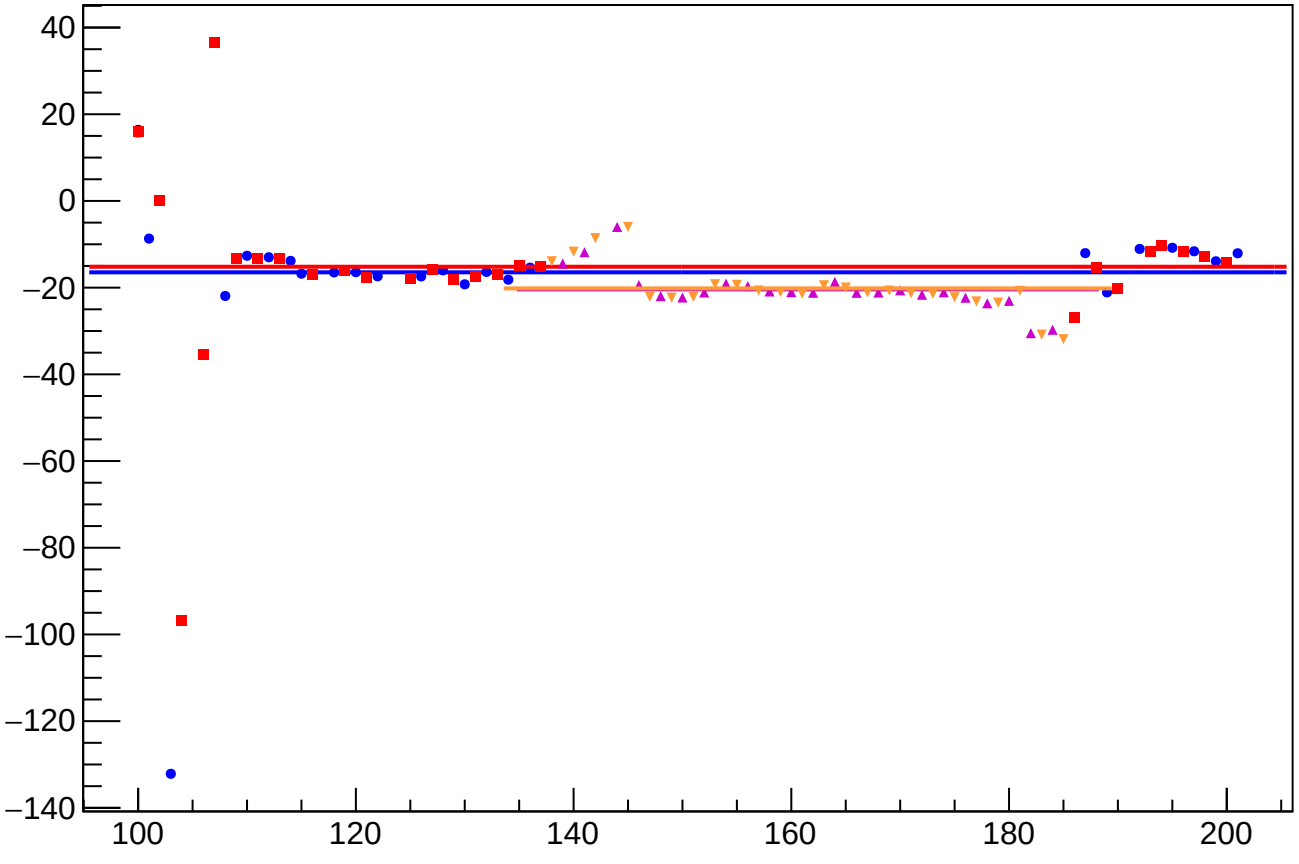
Right: 33.082+/-0.413 χ^2/NDF: 1960.6/48

In: 34.342+/-0.305 χ^2/NDF:1328.1/45

Out: 33.578+/-0.300 χ^2/NDF:1229.8/49

All: 33.953+/-0.214 χ^2/NDF: 2561.2/95

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: -15.178+/-0.029 χ^2/NDF: 217264.8/25

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

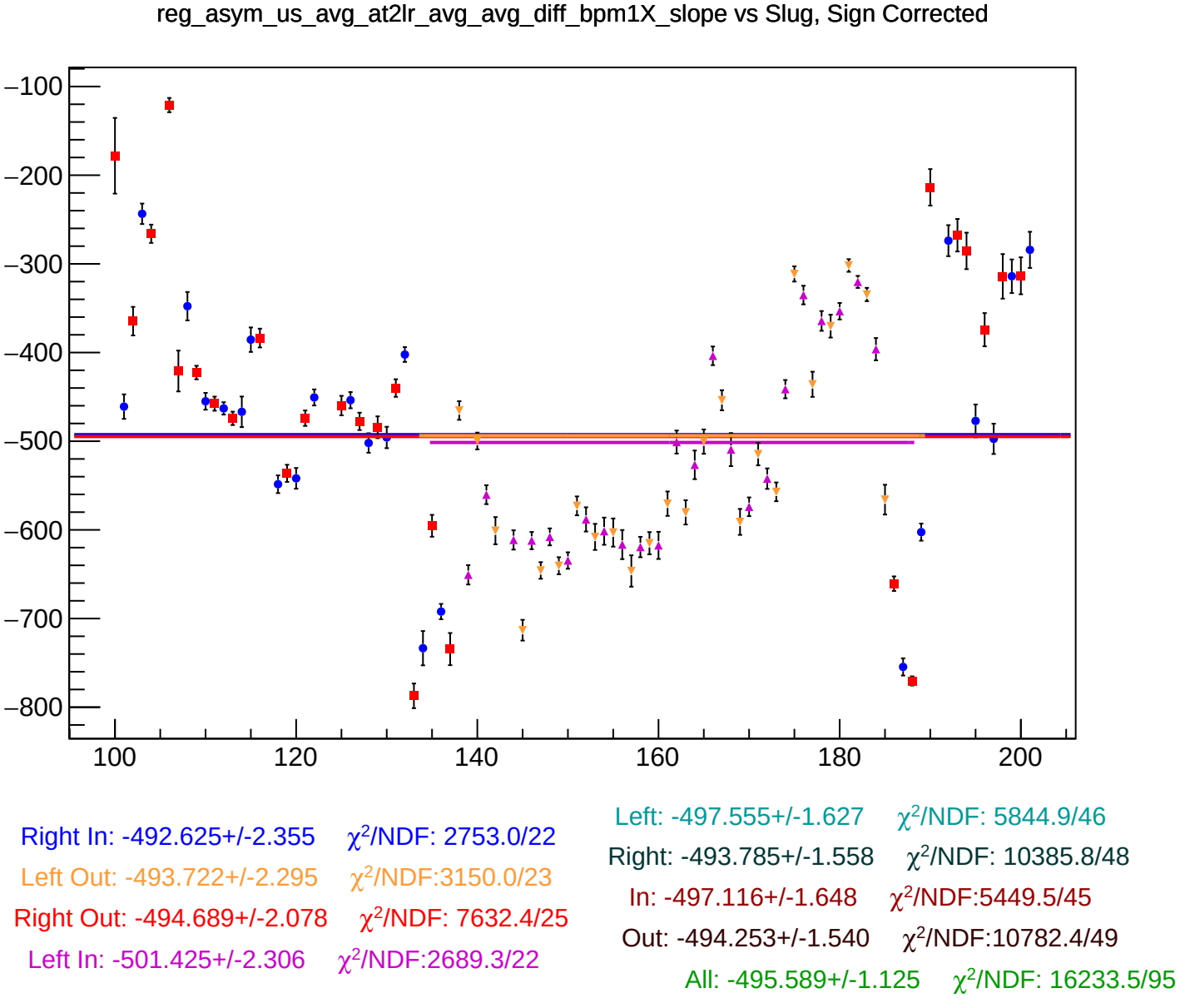
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

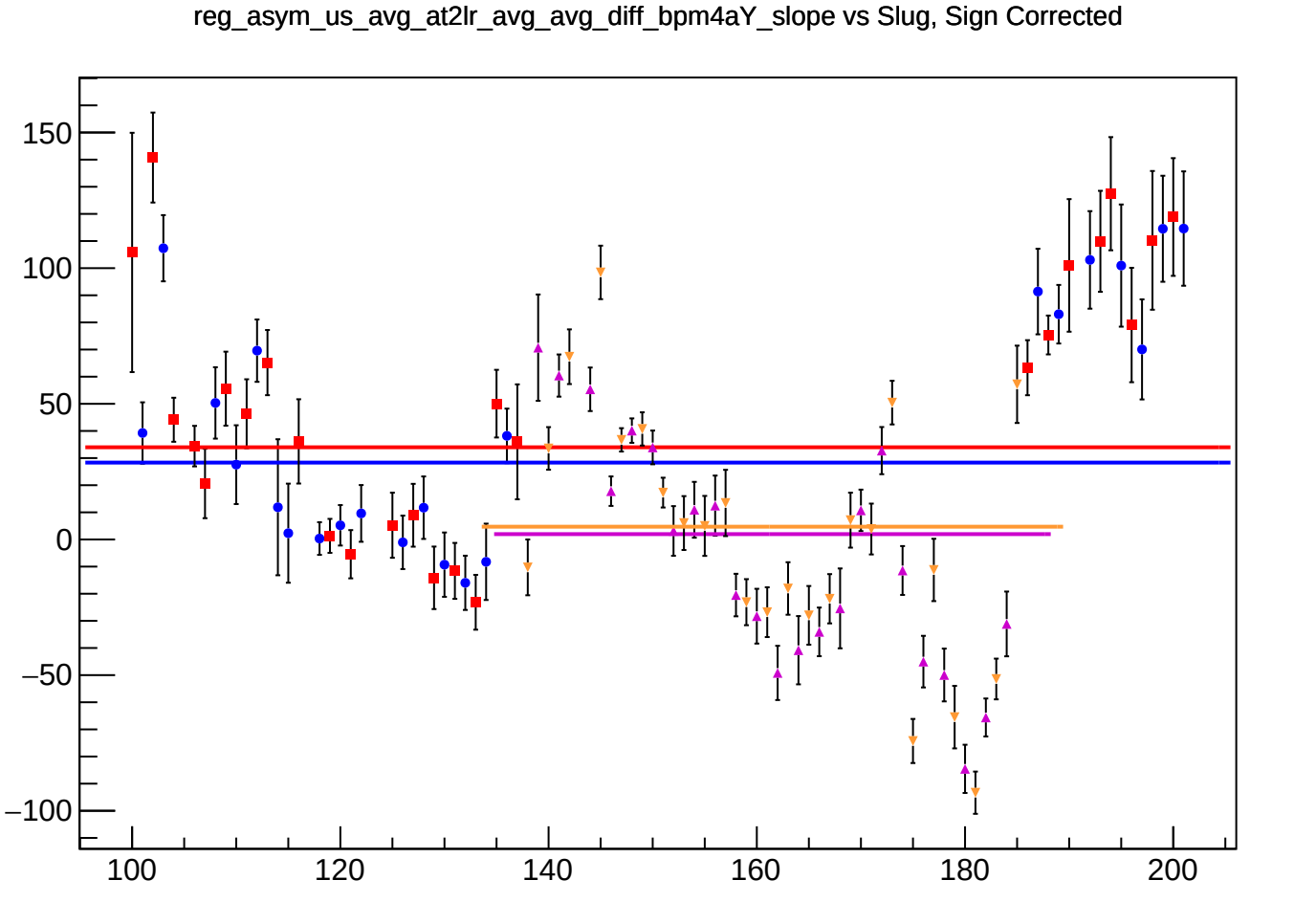
Right: -15.822+/-0.021 χ^2/NDF: 485941.0/48

In: -19.504+/-0.014 χ^2/NDF:362915.1/45

Out: -19.039+/-0.014 χ^2/NDF:340009.8/49

All: -19.271+/-0.010 χ^2/NDF: 703488.4/95


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: -494.689+/-2.078 χ²/NDF: 7632.4/25
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -493.785+/-1.558 χ²/NDF: 10385.8/48
In: -497.116+/-1.648 χ²/NDF:5449.5/45
Out: -494.253+/-1.540 χ²/NDF:10782.4/49
All: -495.589+/-1.125 χ²/NDF: 16233.5/95



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: 33.979+/-2.259 χ^2/NDF: 299.7/25

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

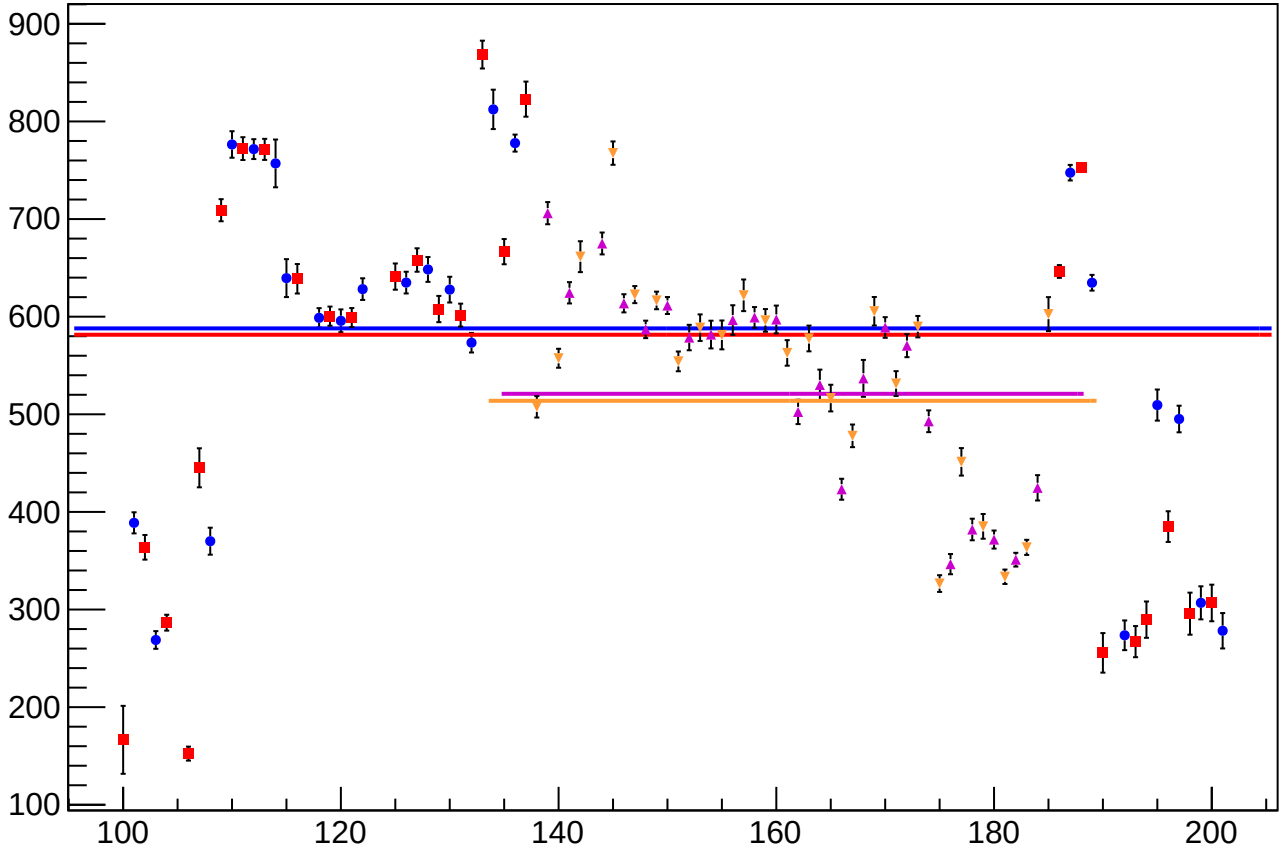
Right: 31.379+/-1.659 χ^2/NDF: 557.2/48

In: 10.716+/-1.408 χ^2/NDF:893.2/45

Out: 15.258+/-1.356 χ^2/NDF:1087.4/49

All: 13.072+/-0.977 χ^2/NDF: 1986.0/95

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: 581.497+/-2.074 χ^2/NDF: 10052.1/25

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

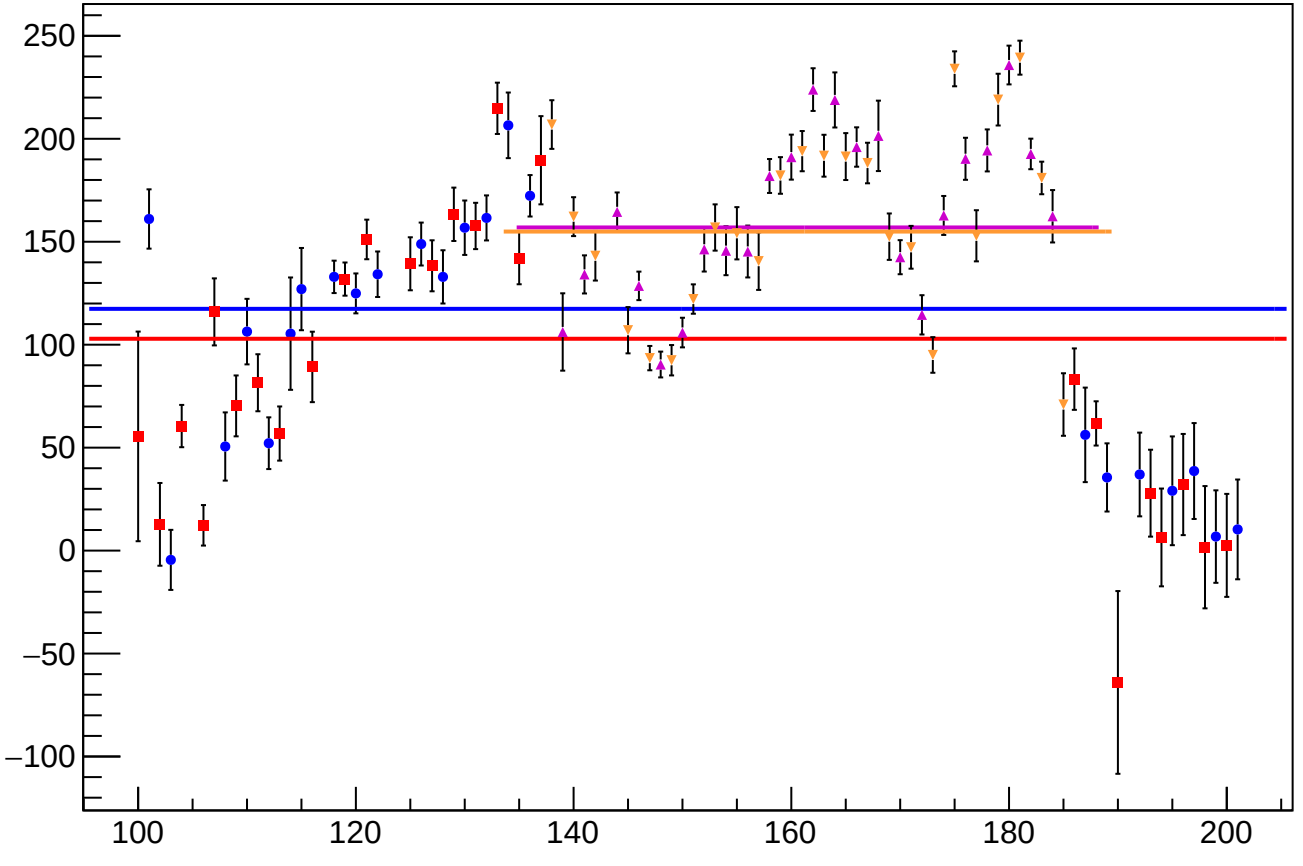
Right: 584.223+/-1.581 χ^2/NDF: 14621.1/48

In: 552.254+/-1.668 χ^2/NDF:7409.5/45

Out: 550.809+/-1.533 χ^2/NDF:13270.3/49

All: 551.471+/-1.129 χ^2/NDF: 20680.2/95

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: 102.880+/-2.722 χ^2/NDF: 445.7/25

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

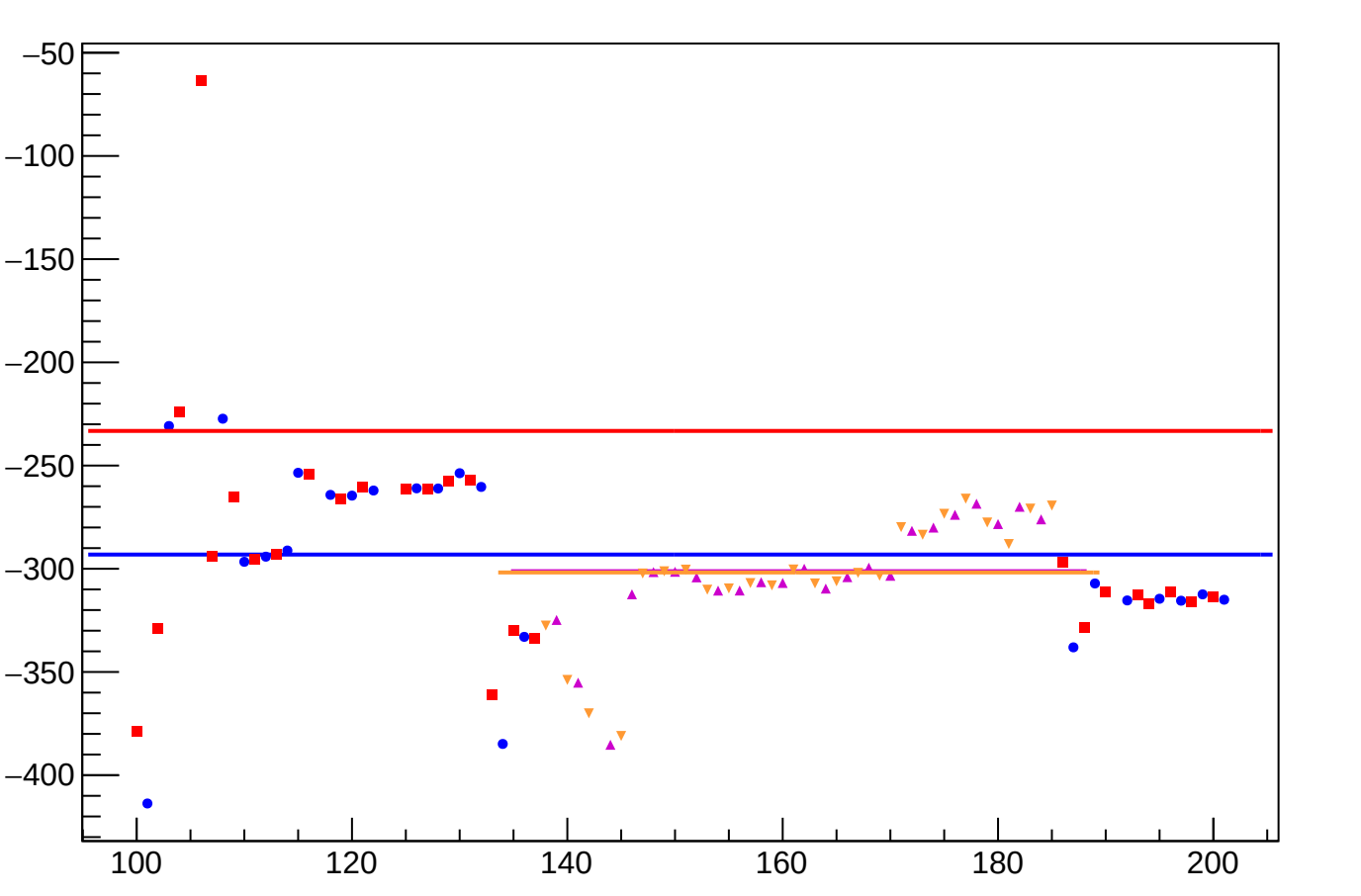
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 109.727+/-1.979 χ^2/NDF: 799.6/48

In: 144.344+/-1.627 χ^2/NDF:911.8/45

Out: 137.249+/-1.587 χ^2/NDF:1296.2/49

All: 140.708+/-1.136 χ^2/NDF: 2217.7/95



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: -233.218+/-0.130 χ^2/NDF: 661178.3/25

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

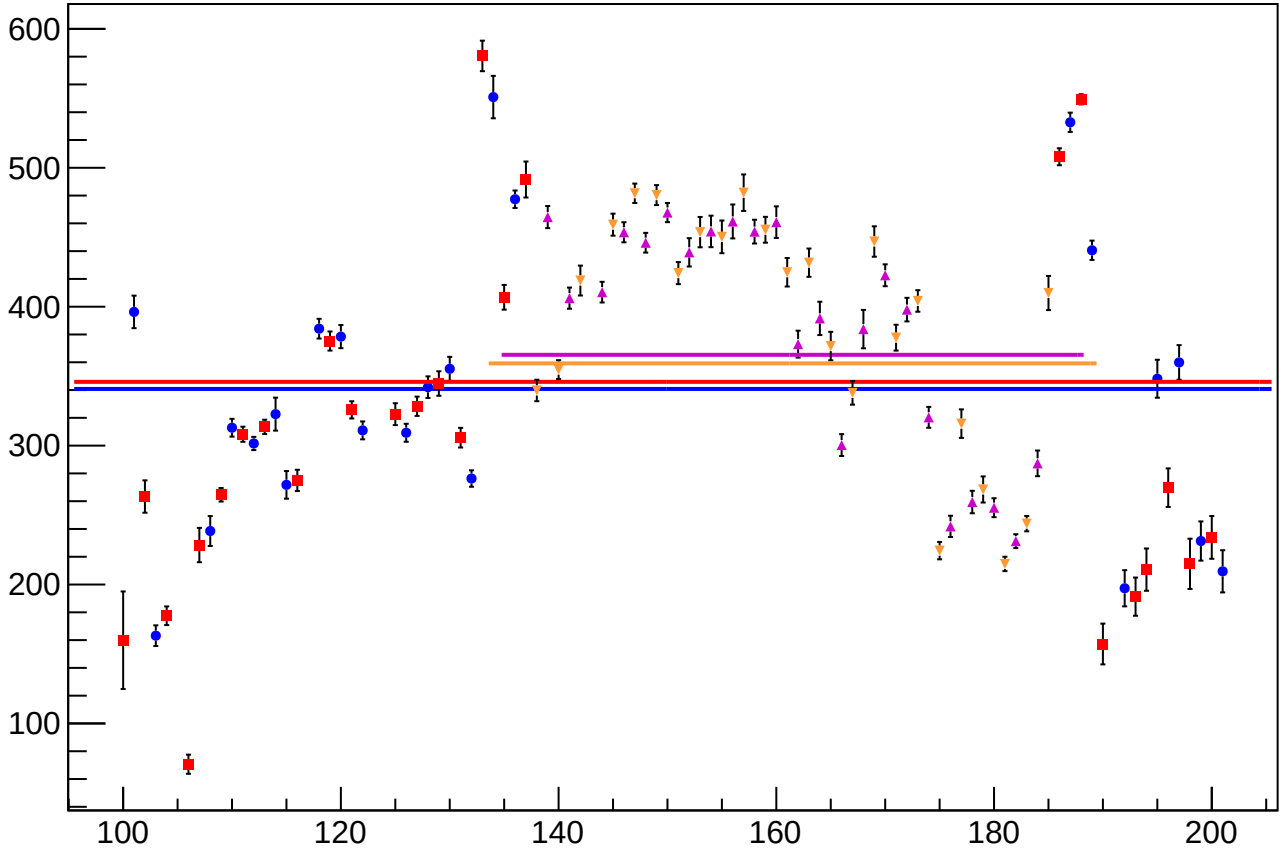
Right: -258.824+/-0.099 χ^2/NDF: 864353.8/48

In: -299.056+/-0.077 χ^2/NDF:190160.2/45

Out: -279.357+/-0.074 χ^2/NDF:934461.8/49

All: -288.843+/-0.054 χ^2/NDF: 1158309.6/95

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: 345.909+/-1.473 χ^2/NDF: 7870.9/25

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

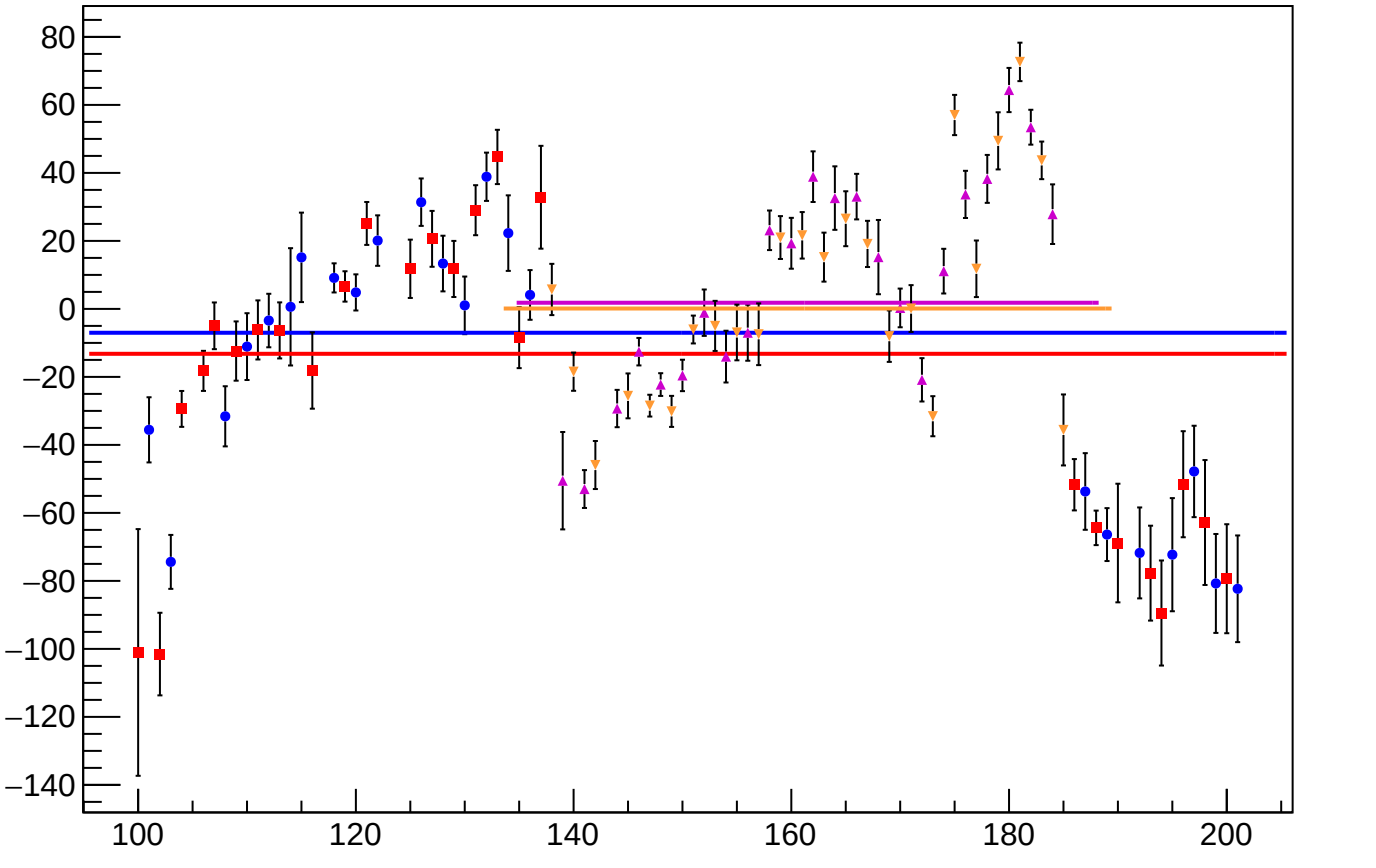
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 343.673+/-1.105 χ^2/NDF: 10812.8/48

In: 352.915+/-1.189 χ^2/NDF:5782.8/45

Out: 351.675+/-1.108 χ^2/NDF:11094.1/49

All: 352.252+/-0.810 χ^2/NDF: 16877.5/95



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: -13.206+/-1.598 χ^2/NDF: 472.2/25

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

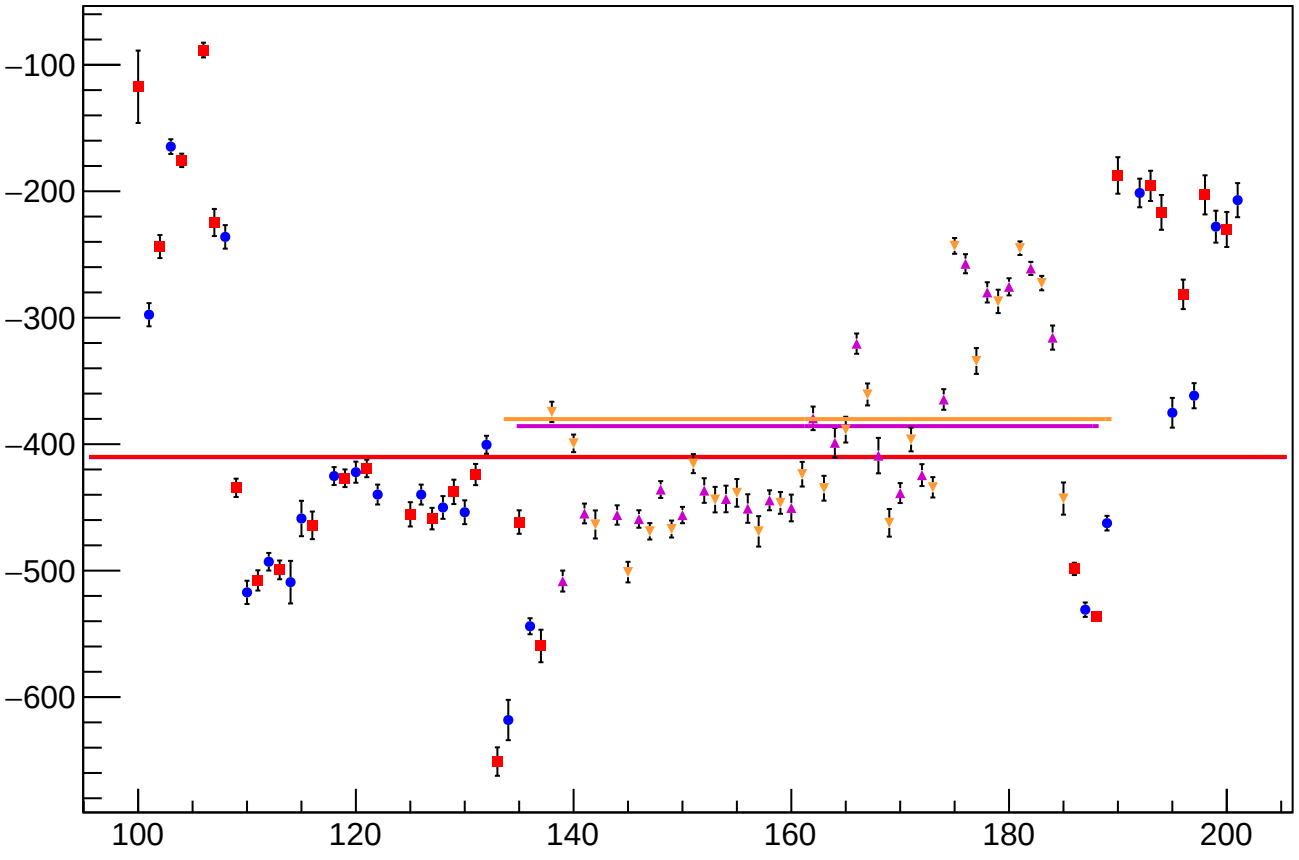
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -10.389+/-1.179 χ^2/NDF: 864.3/48

In: -1.228+/-1.026 χ^2/NDF:979.0/45

Out: -4.927+/-0.983 χ^2/NDF:1153.3/49

All: -3.157+/-0.710 χ^2/NDF: 2139.1/95



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: -410.043+/-1.478 χ^2/NDF: 10191.4/25

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

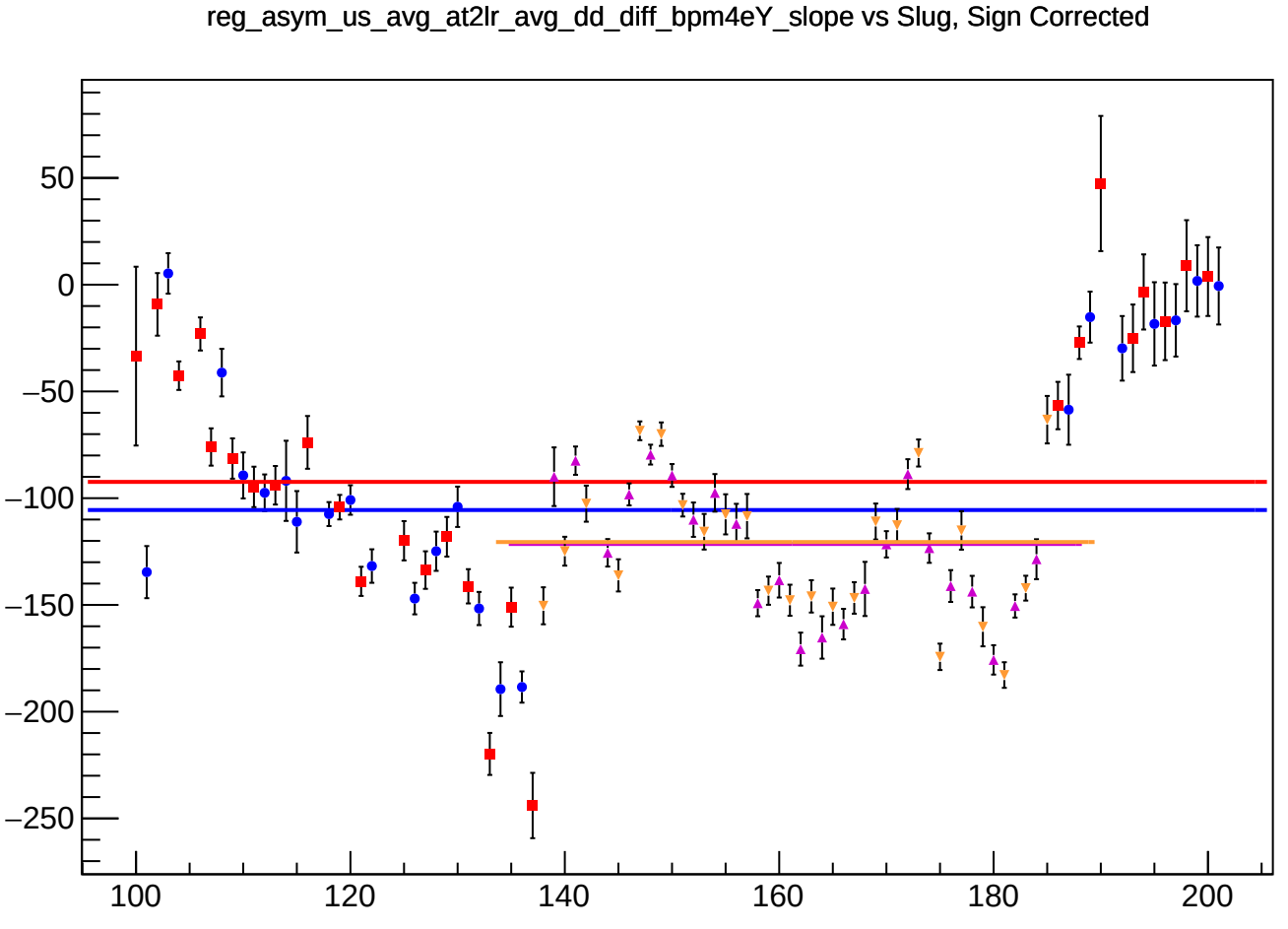
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -410.142+/-1.127 χ^2/NDF: 14811.9/48

In: -397.544+/-1.208 χ^2/NDF:7084.9/45

Out: -396.903+/-1.107 χ^2/NDF:12989.8/49

All: -397.195+/-0.816 χ^2/NDF: 20074.8/95



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: -92.372+/-1.923 χ^2/NDF: 823.6/25

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

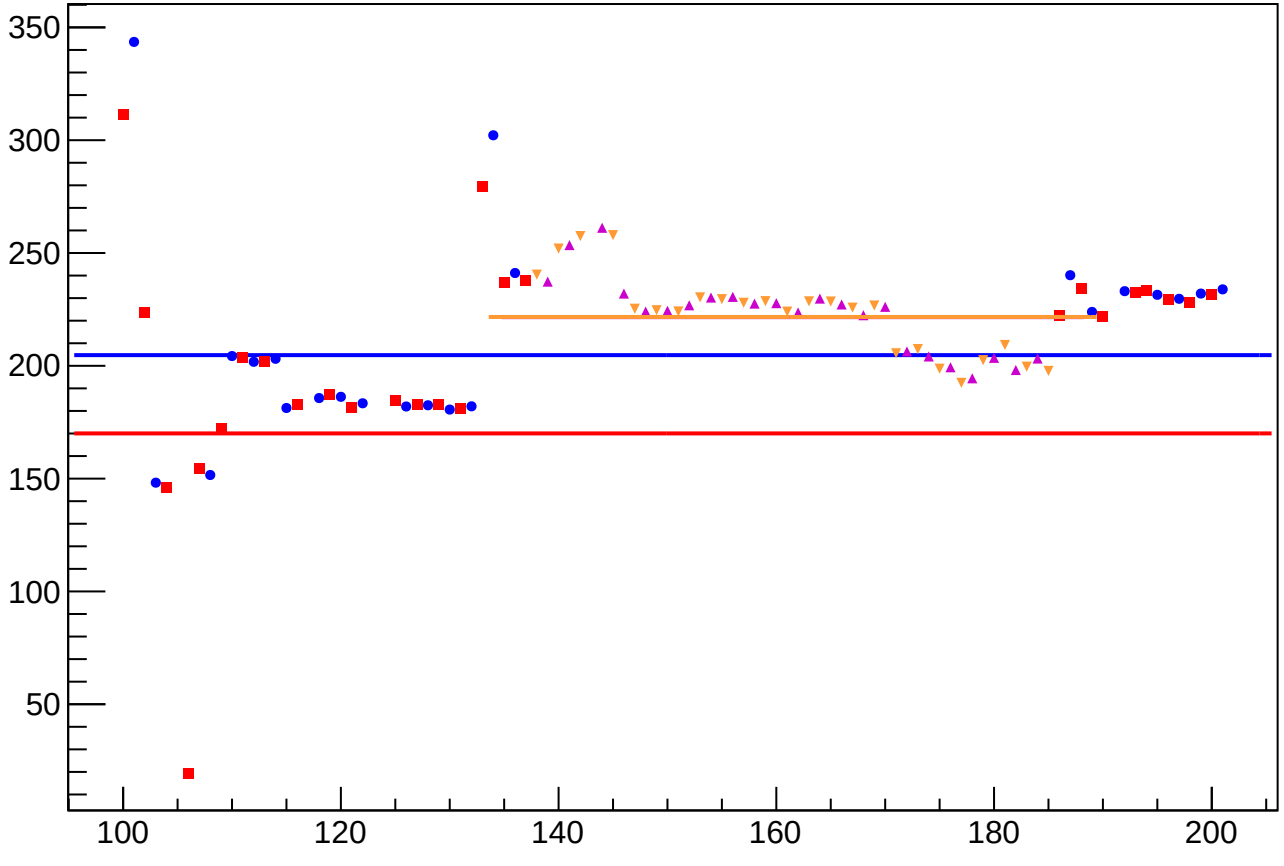
Right: -98.505+/-1.406 χ^2/NDF: 1493.5/48

In: -116.187+/-1.186 χ^2/NDF:1120.5/45

Out: -110.462+/-1.150 χ^2/NDF:1572.9/49

All: -113.238+/-0.826 χ^2/NDF: 2705.4/95

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: 170.040+/-0.096 χ^2/NDF: 625883.3/25

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

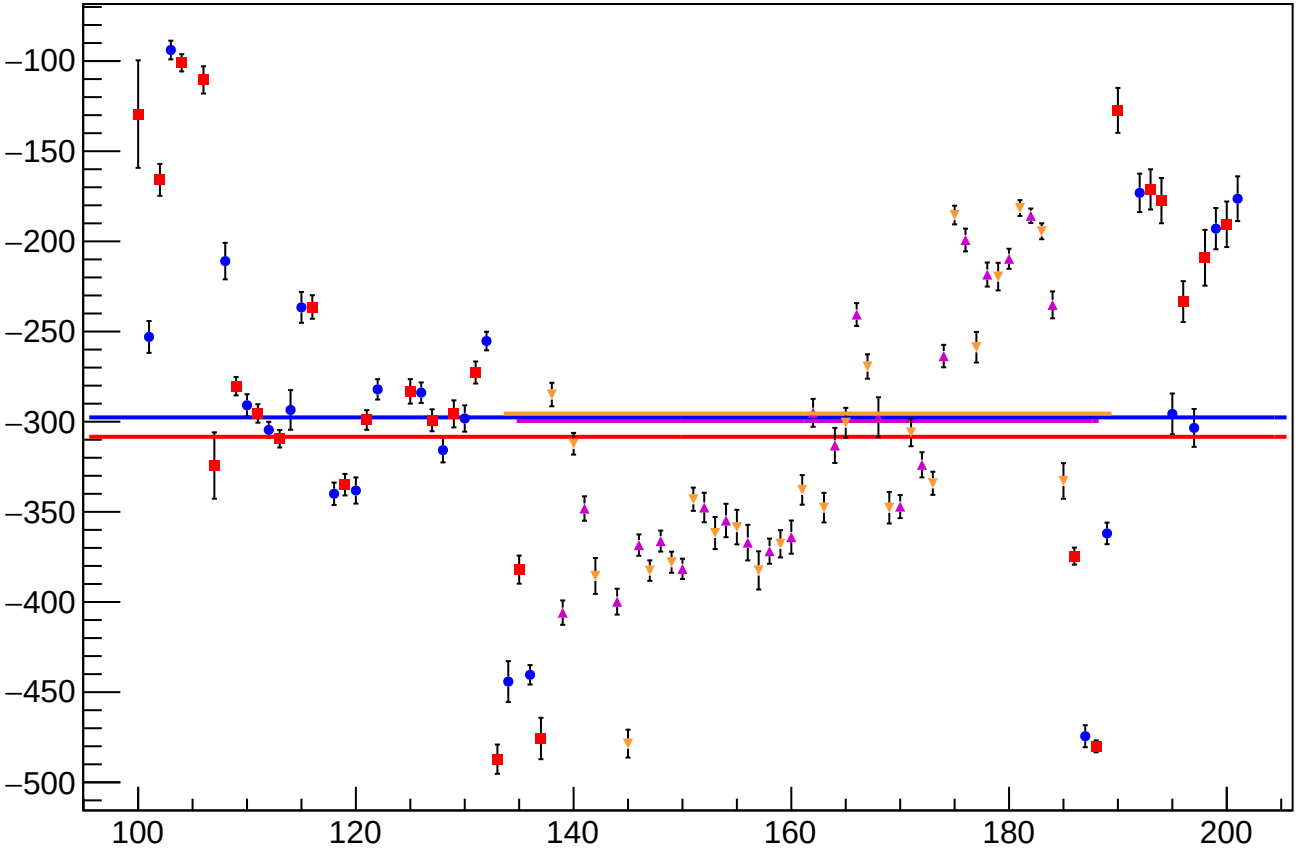
Right: 185.506+/-0.072 χ^2/NDF: 883031.1/48

In: 216.925+/-0.056 χ^2/NDF:279090.5/45

Out: 204.894+/-0.055 χ^2/NDF:887636.8/49

All: 210.743+/-0.039 χ^2/NDF: 1190164.7/95

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -308.374+/-1.299 χ^2/NDF: 7473.6/25

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

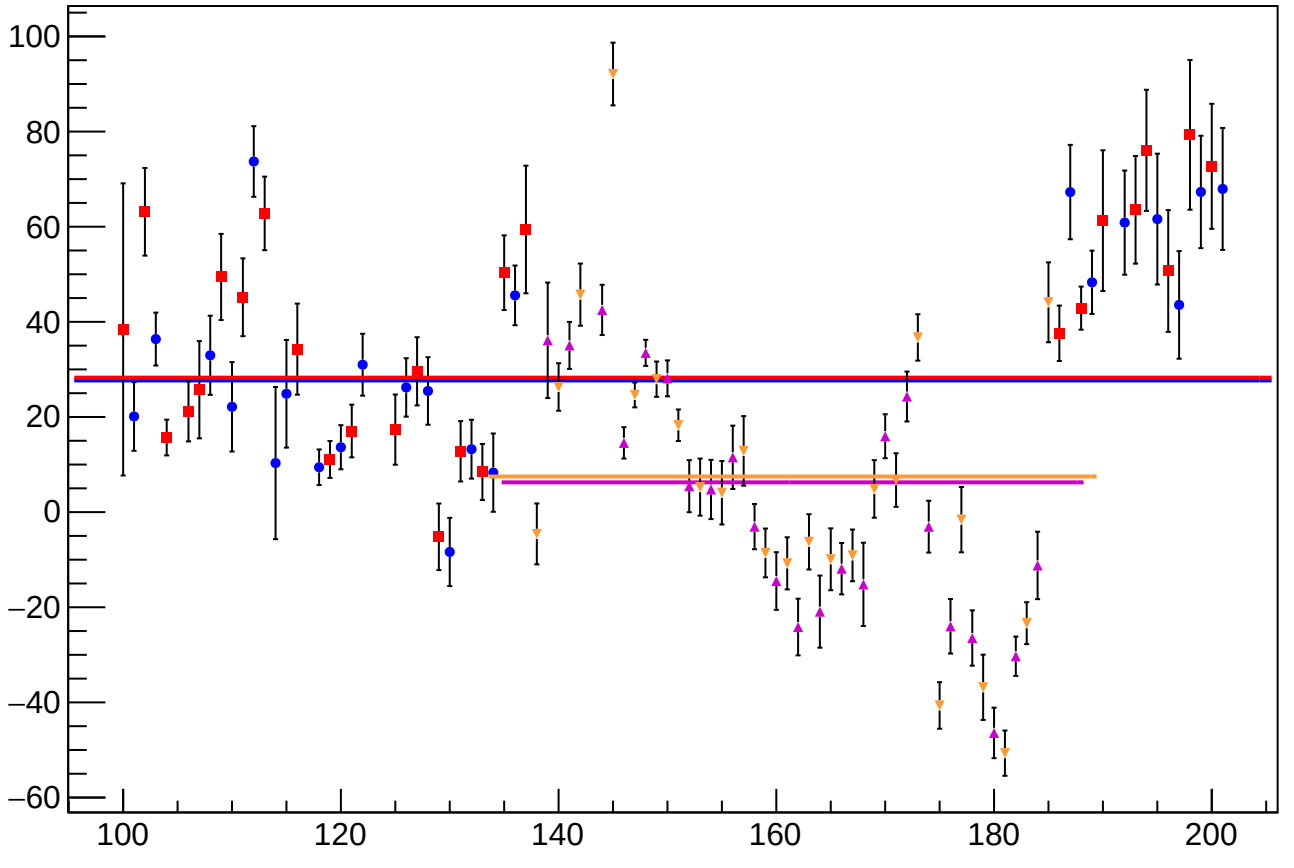
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -303.561+/-0.966 χ^2/NDF: 11511.1/48

In: -298.635+/-1.004 χ^2/NDF:6979.4/45

Out: -302.368+/-0.950 χ^2/NDF:10865.9/49

All: -300.605+/-0.690 χ^2/NDF: 17852.6/95



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: 28.268+/-1.389 χ^2/NDF: 203.2/25

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

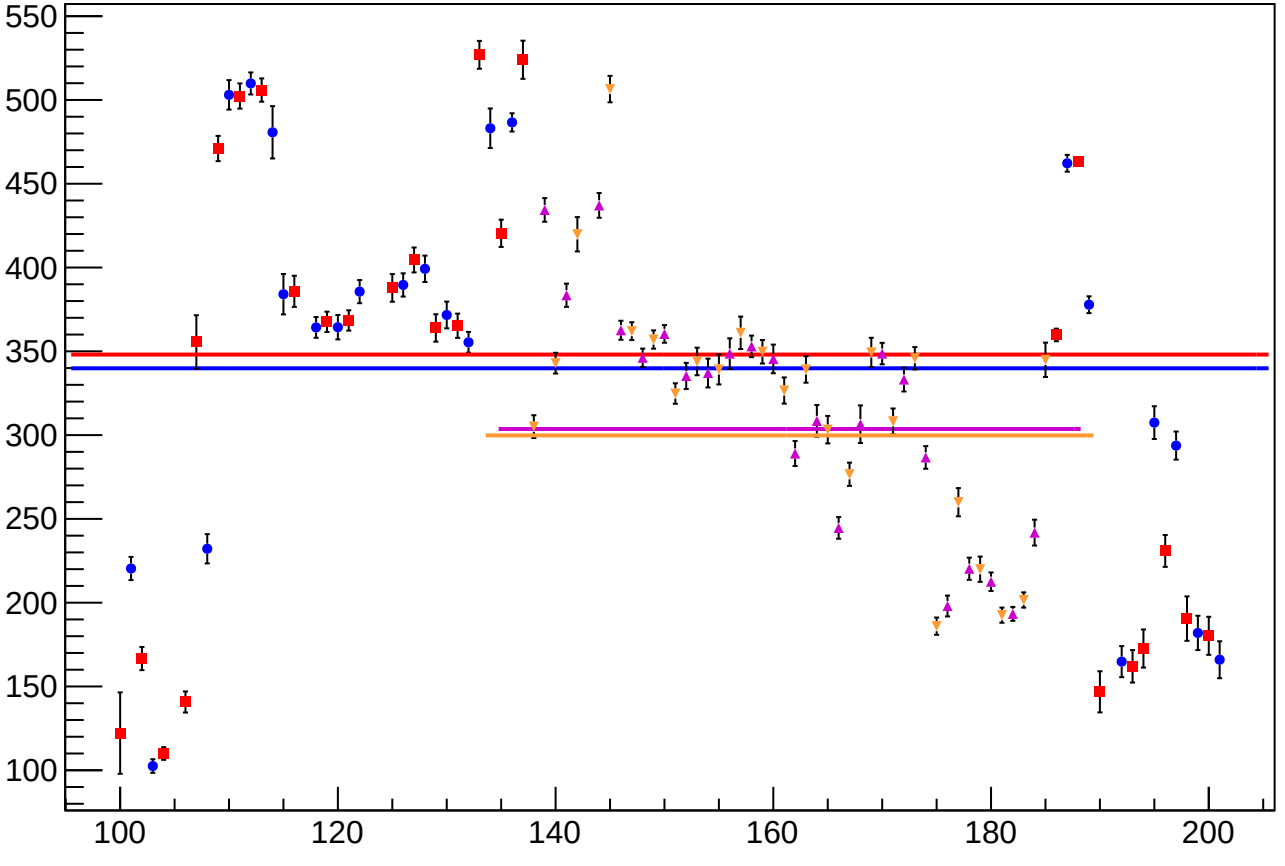
Right: 27.998+/-1.017 χ^2/NDF: 388.9/48

In: 13.299+/-0.856 χ^2/NDF:883.2/45

Out: 14.857+/-0.827 χ^2/NDF:1086.2/49

All: 14.105+/-0.595 χ^2/NDF: 1971.1/95

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: 348.060+/-1.277 χ^2/NDF: 11275.7/25

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

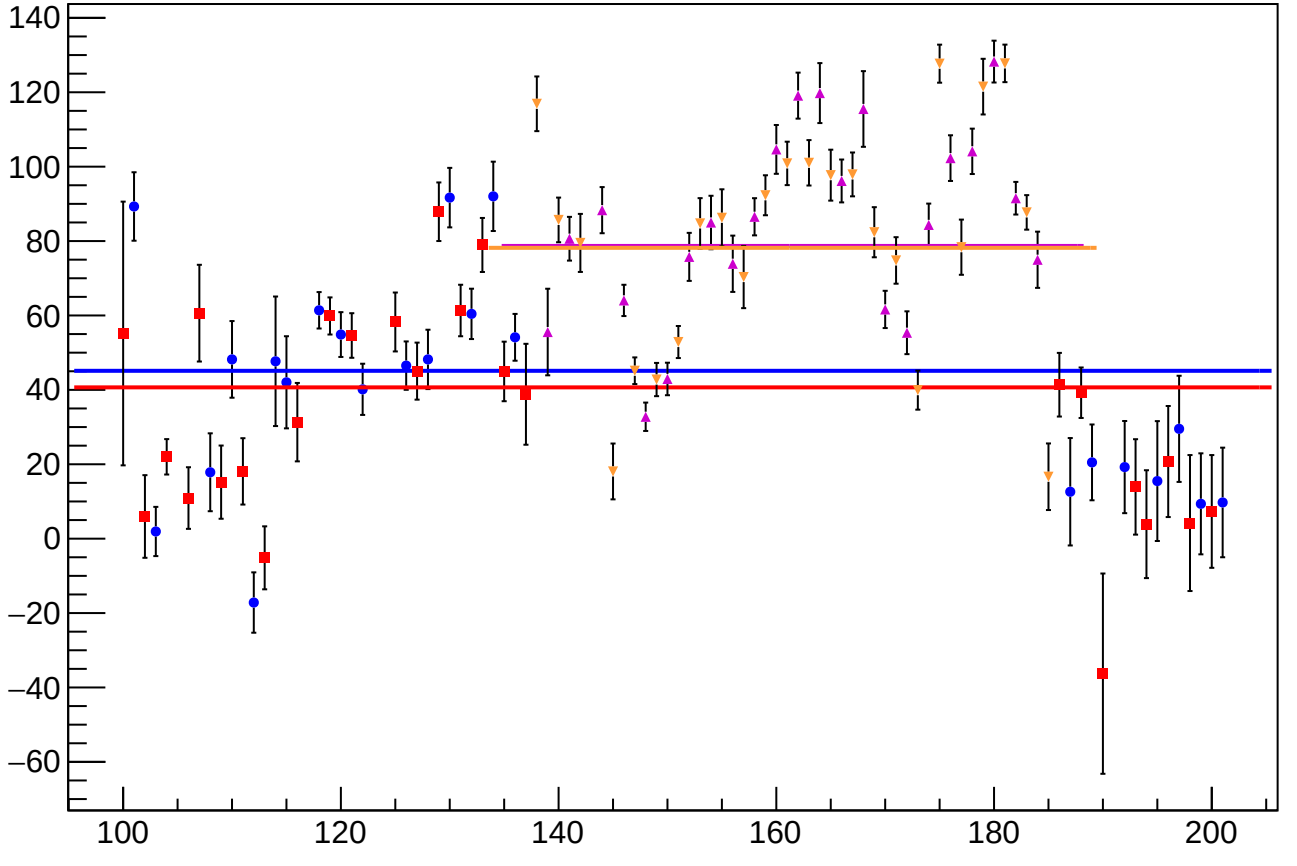
Right: 344.544+/-0.965 χ^2/NDF: 18873.4/48

In: 320.616+/-1.008 χ^2/NDF:10774.1/45

Out: 325.821+/-0.938 χ^2/NDF:15009.2/49

All: 323.407+/-0.687 χ^2/NDF: 25797.6/95

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: 40.671+/-1.674 χ^2/NDF: 211.8/25

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

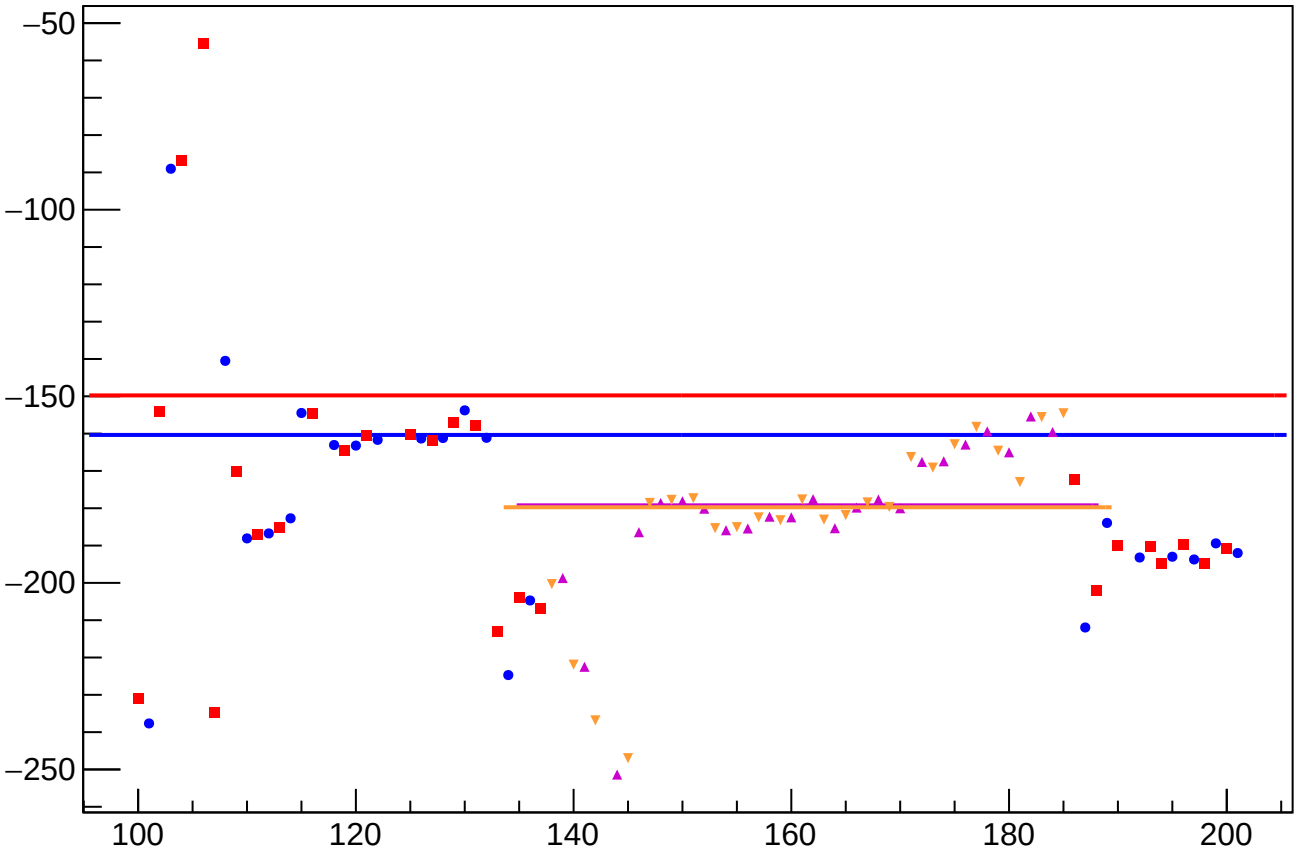
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 42.782+/-1.214 χ^2/NDF: 460.0/48

In: 68.118+/-0.989 χ^2/NDF:982.0/45

Out: 65.667+/-0.967 χ^2/NDF:1209.7/49

All: 66.865+/-0.691 χ^2/NDF: 2194.8/95



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: -149.758+/-0.083 χ^2/NDF: 407243.8/25

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

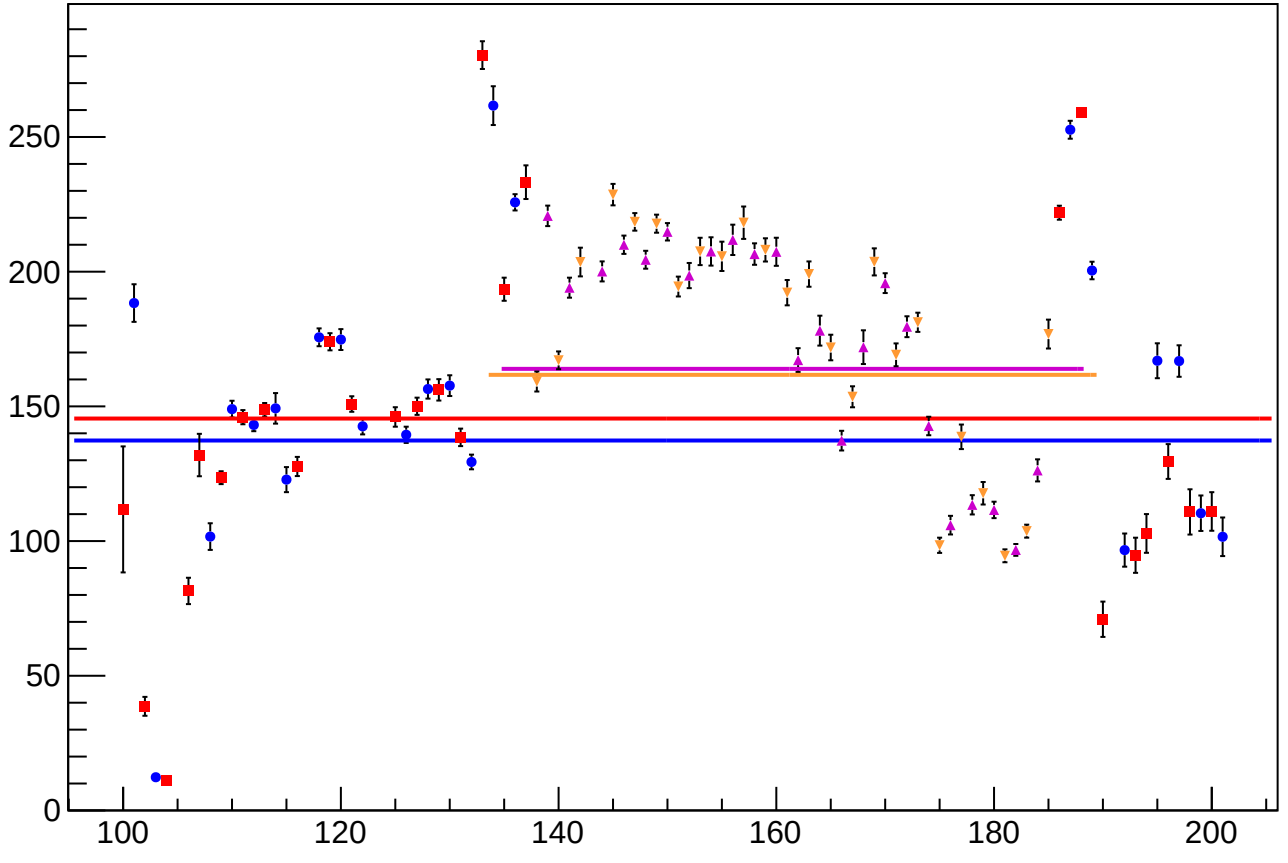
Right: -154.826+/-0.060 χ^2/NDF: 716609.4/48

In: -173.914+/-0.046 χ^2/NDF:448855.9/45

Out: -170.661+/-0.046 χ^2/NDF:629414.7/49

All: -172.277+/-0.033 χ^2/NDF: 1080763.3/95

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 145.485+/-0.665 χ^2/NDF: 13053.1/25

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

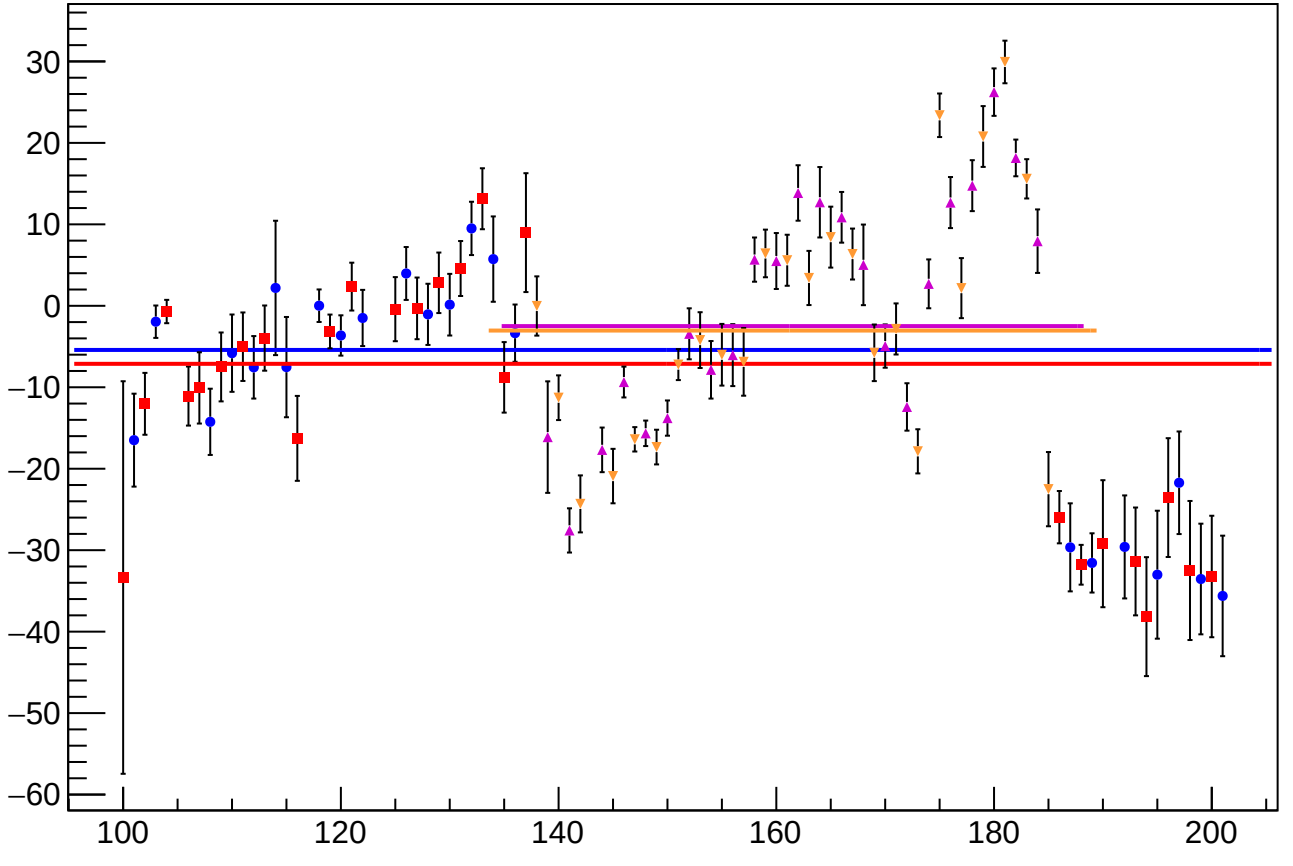
Right: 141.841+/-0.494 χ^2/NDF: 21153.7/48

In: 149.935+/-0.536 χ^2/NDF:11981.7/45

Out: 152.350+/-0.505 χ^2/NDF:16892.4/49

All: 151.216+/-0.368 χ^2/NDF: 28884.8/95

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -7.123+/-0.697 χ^2/NDF: 304.4/25

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

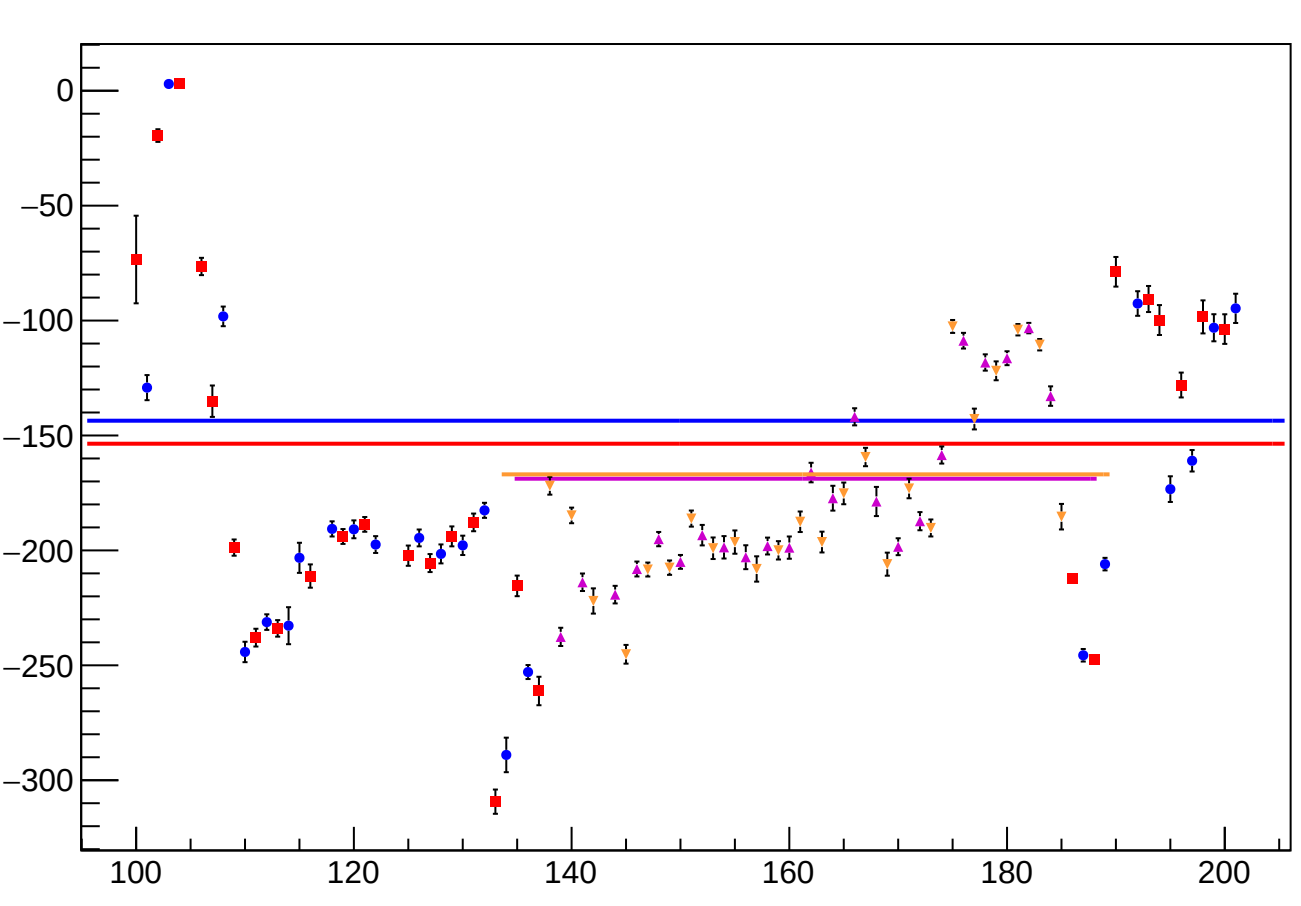
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -6.362+/-0.519 χ^2/NDF: 505.9/48

In: -3.556+/-0.468 χ^2/NDF:770.7/45

Out: -4.703+/-0.445 χ^2/NDF:979.3/49

All: -4.159+/-0.323 χ^2/NDF: 1753.2/95



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: -153.582+/-0.645 χ^2/NDF: 23646.0/25

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

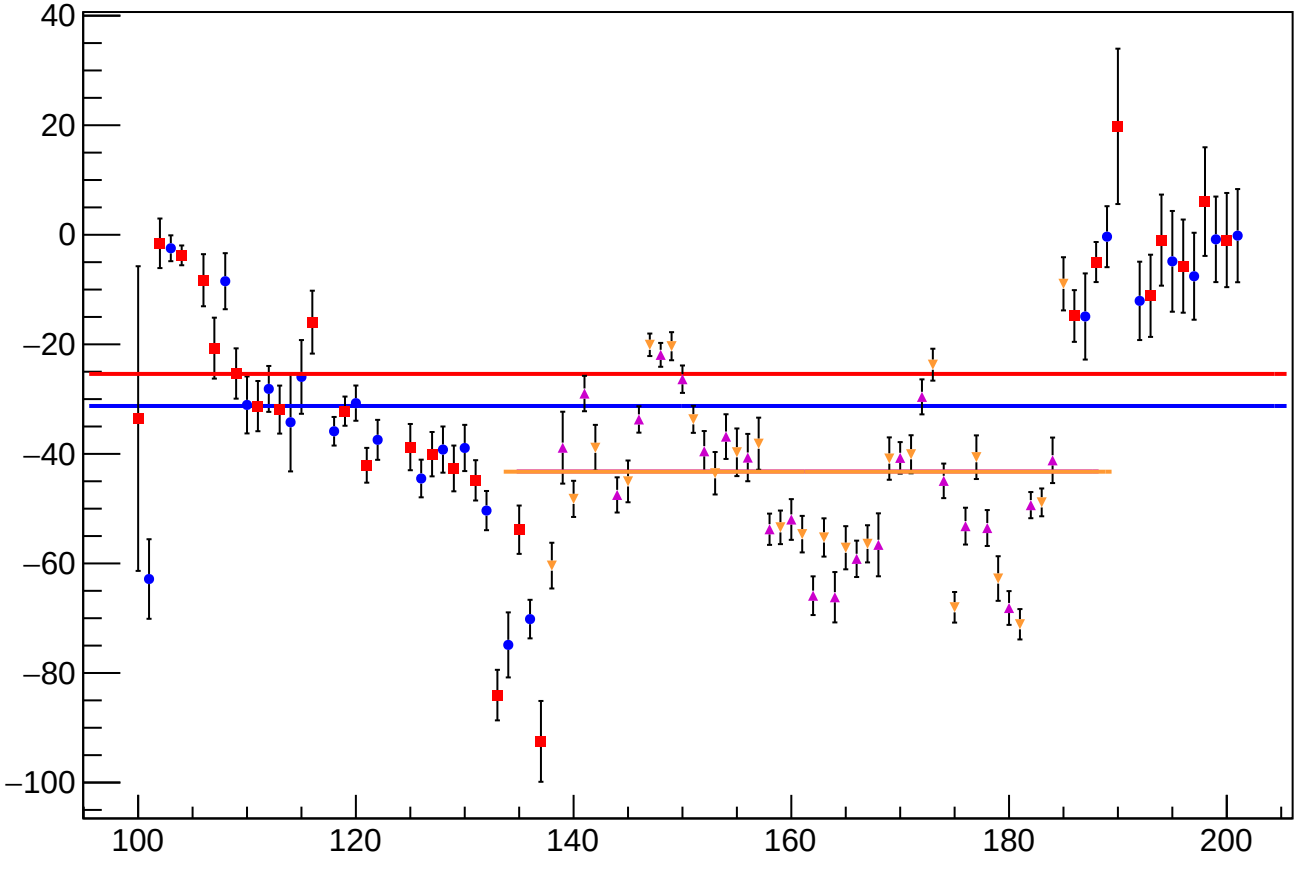
Right: -149.253+/-0.486 χ^2/NDF: 40872.0/48

In: -155.635+/-0.534 χ^2/NDF:20738.7/45

Out: -159.073+/-0.495 χ^2/NDF:26918.1/49

All: -157.485+/-0.363 χ^2/NDF: 47679.1/95

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -25.400+/-0.842 χ^2/NDF: 661.7/25

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

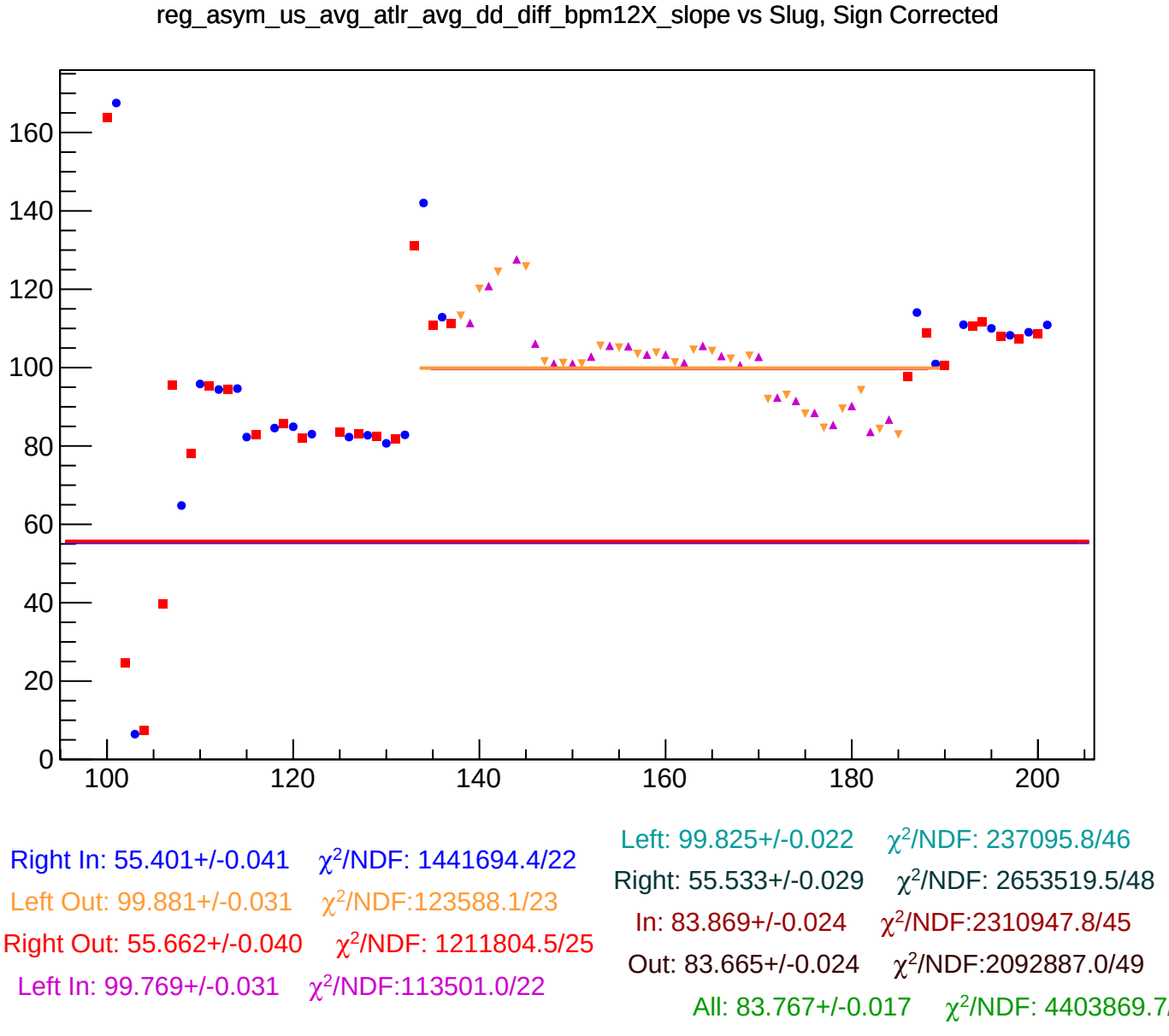
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

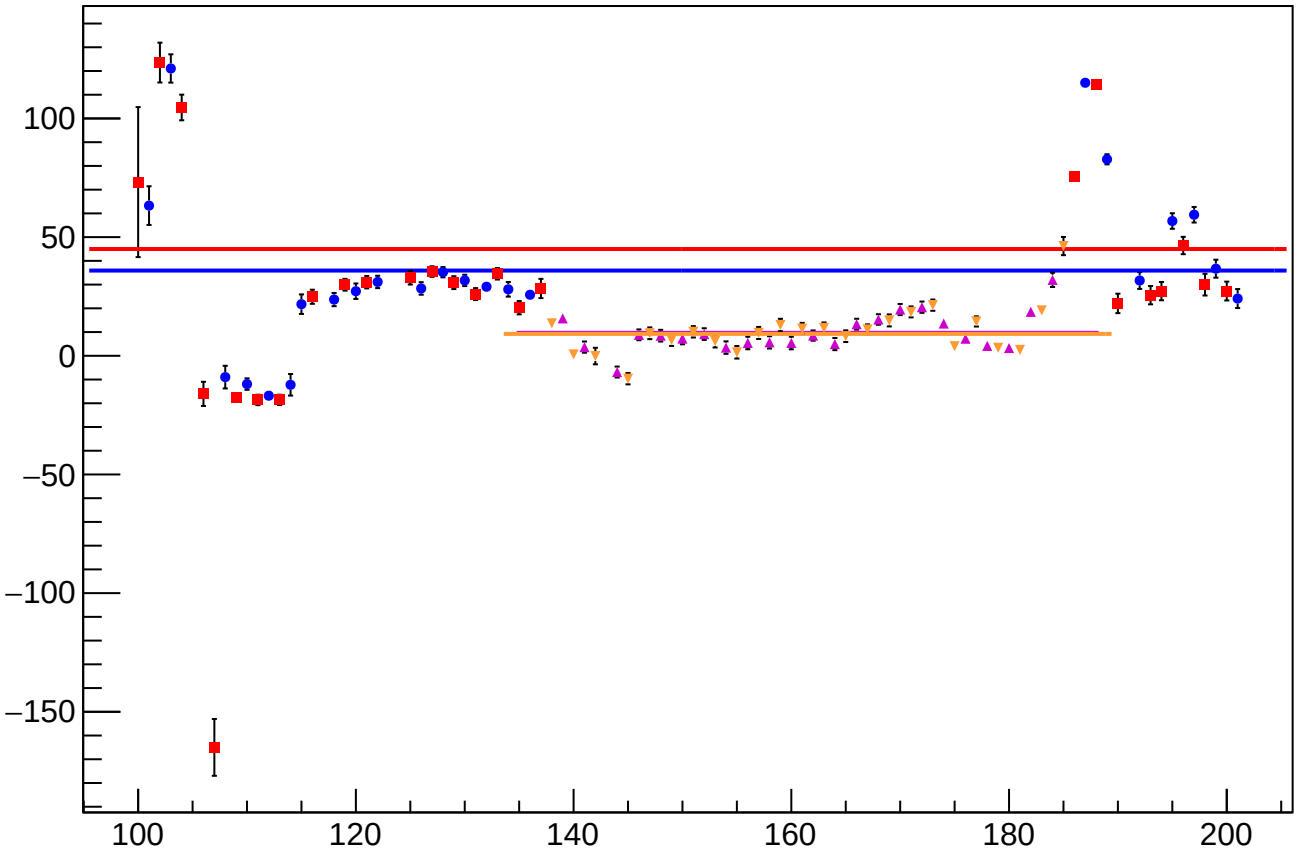
Right: -28.083+/-0.620 χ^2/NDF: 1193.1/48

In: -39.037+/-0.541 χ^2/NDF:1026.1/45

Out: -36.407+/-0.521 χ^2/NDF:1548.9/49

All: -37.674+/-0.375 χ^2/NDF: 2587.3/95


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: 55.662+/-0.040 χ2/NDF: 1211804.5/25
Left In: 99.769+/-0.031 χ2/NDF:113501.0/22
Left: 99.825+/-0.022 χ2/NDF: 237095.8/46
Right: 55.533+/-0.029 χ2/NDF: 2653519.5/48
In: 83.869+/-0.024 χ2/NDF:2310947.8/45
Out: 83.665+/-0.024 χ2/NDF:2092887.0/49
All: 83.767+/-0.017 χ2/NDF: 4403869.7/95



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: 44.994+/-0.510 χ^2/NDF: 7810.0/25

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

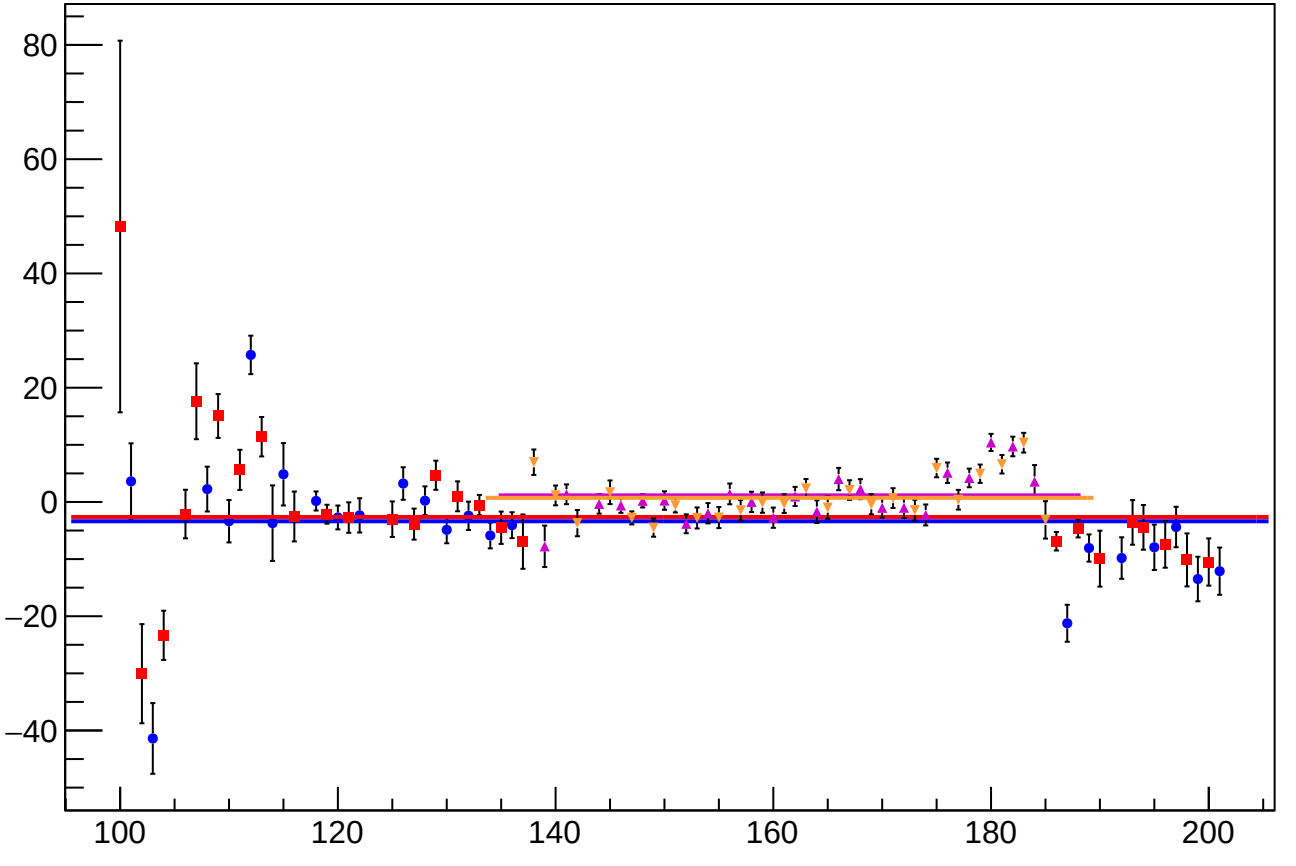
Right: 41.019+/-0.383 χ^2/NDF: 11697.8/48

In: 19.907+/-0.361 χ^2/NDF:5251.6/45

Out: 25.121+/-0.340 χ^2/NDF:10866.0/49

All: 22.670+/-0.248 χ^2/NDF: 16228.1/95

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: -2.625+/-0.571 χ^2/NDF: 119.8/25

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

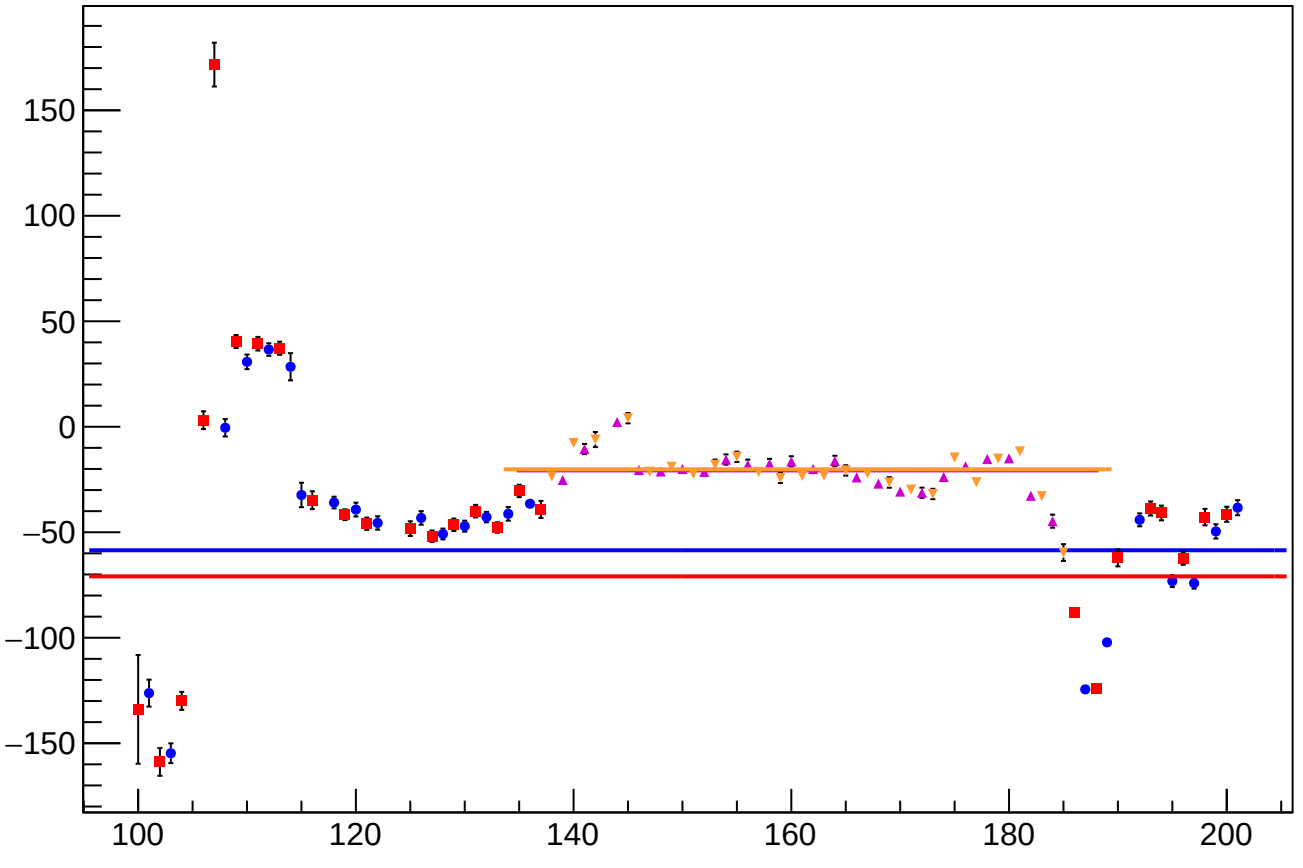
Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

Right: -2.976+/-0.418 χ^2/NDF: 302.7/48

In: 0.005+/-0.309 χ^2/NDF:333.4/45

Out: -0.184+/-0.298 χ^2/NDF:254.6/49

All: -0.093+/-0.214 χ^2/NDF: 588.2/95



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: -70.916+/-0.495 χ^2/NDF: 9576.7/25

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

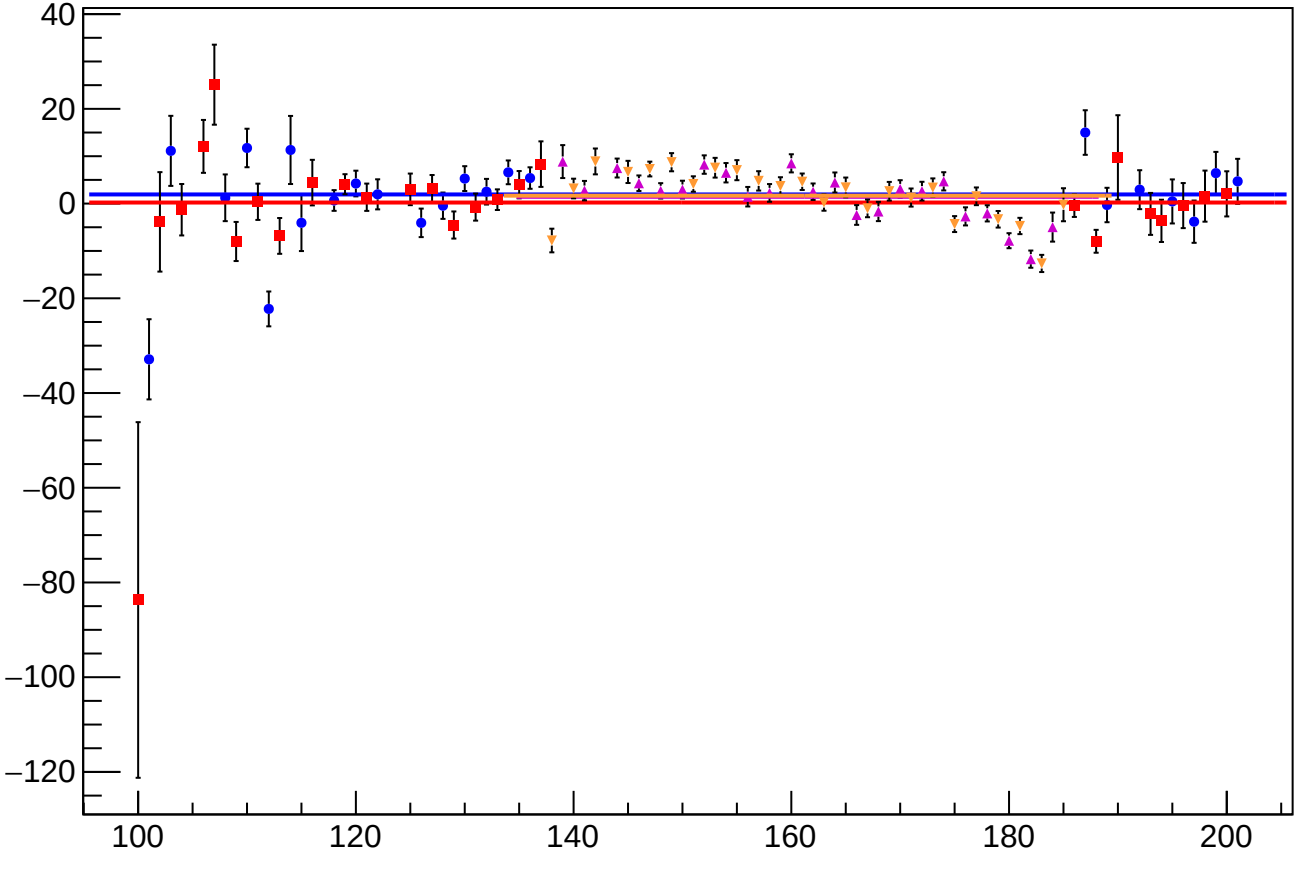
Right: -65.825+/-0.380 χ^2/NDF: 15177.1/48

In: -34.838+/-0.362 χ^2/NDF:8212.1/45

Out: -43.264+/-0.334 χ^2/NDF:15729.1/49

All: -39.391+/-0.245 χ^2/NDF: 24233.9/95

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 0.220+/-0.693 χ^2/NDF: 53.2/25

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

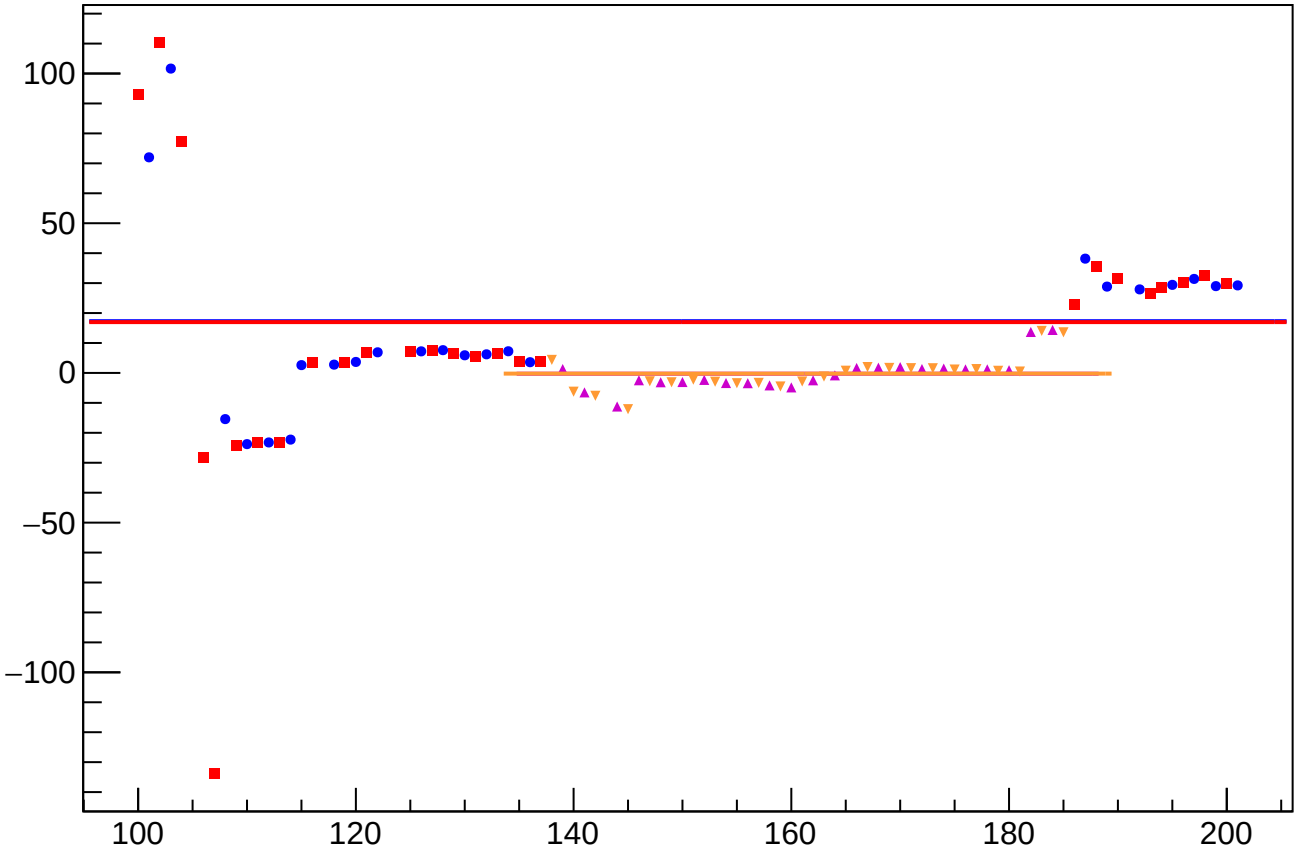
Right: 1.045+/-0.498 χ^2/NDF: 150.9/48

In: 1.548+/-0.351 χ^2/NDF:257.9/45

Out: 1.315+/-0.343 χ^2/NDF:234.5/49

All: 1.429+/-0.245 χ^2/NDF: 492.6/95

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: 16.977+/-0.037 χ^2/NDF: 567708.7/25

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

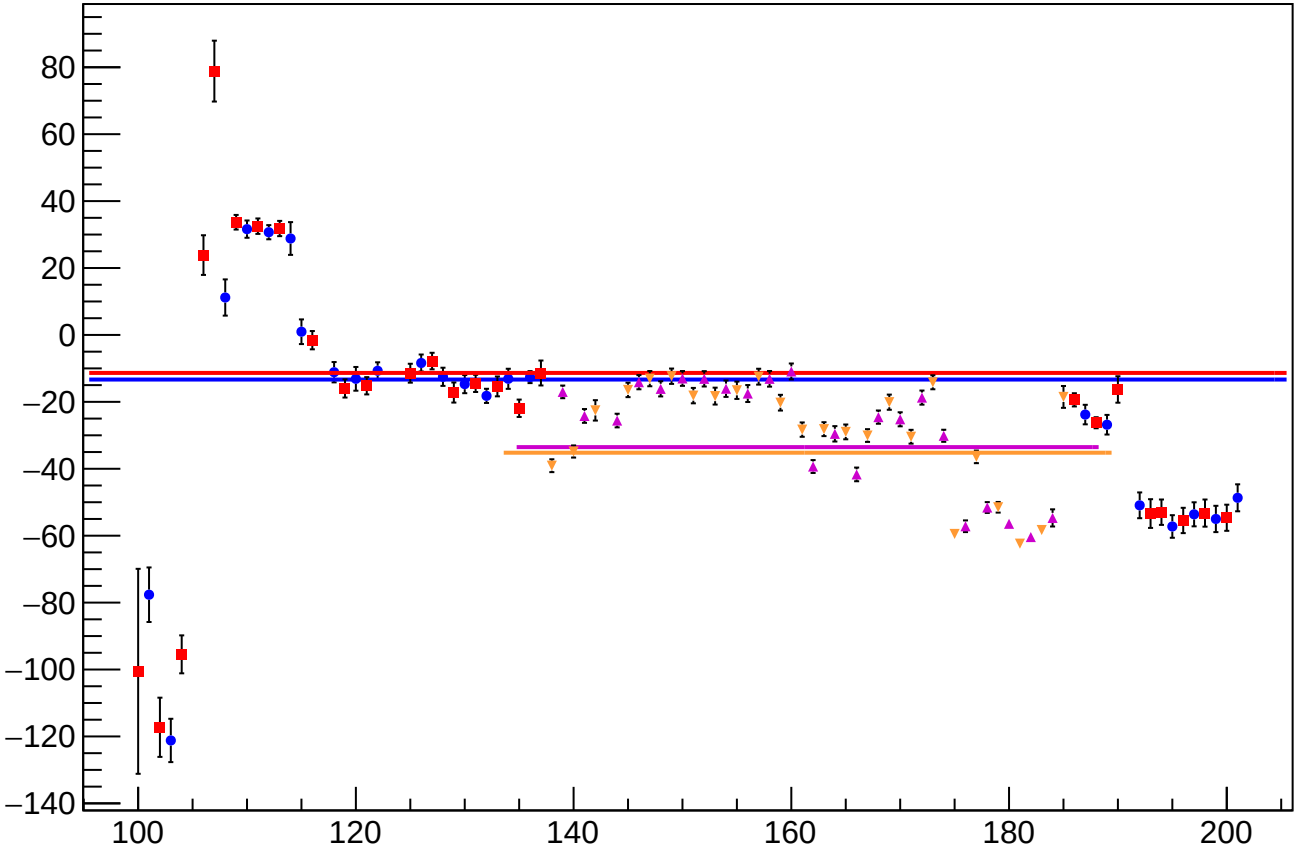
Right: 17.130+/-0.026 χ^2/NDF: 966403.9/48

In: 3.058+/-0.016 χ^2/NDF:657118.6/45

Out: 2.971+/-0.016 χ^2/NDF:825703.8/49

All: 3.015+/-0.011 χ^2/NDF: 1482837.4/95

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -11.355+/-0.579 χ^2/NDF: 2371.8/25

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

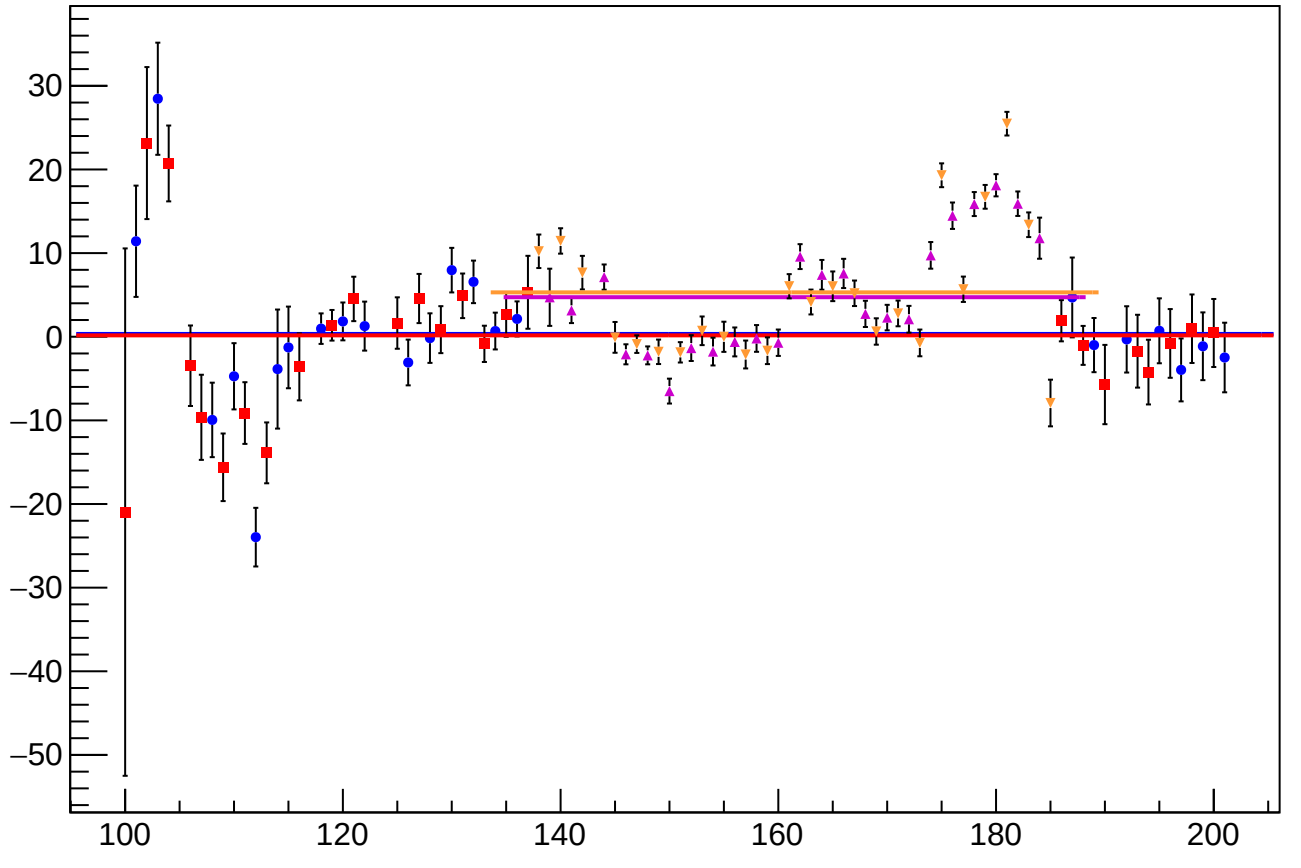
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -12.270+/-0.424 χ^2/NDF: 4186.0/48

In: -27.364+/-0.345 χ^2/NDF:4342.3/45

Out: -27.280+/-0.334 χ^2/NDF:5356.3/49

All: -27.320+/-0.240 χ^2/NDF: 9698.7/95



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: 0.165+/-0.639 χ^2/NDF: 84.2/25

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

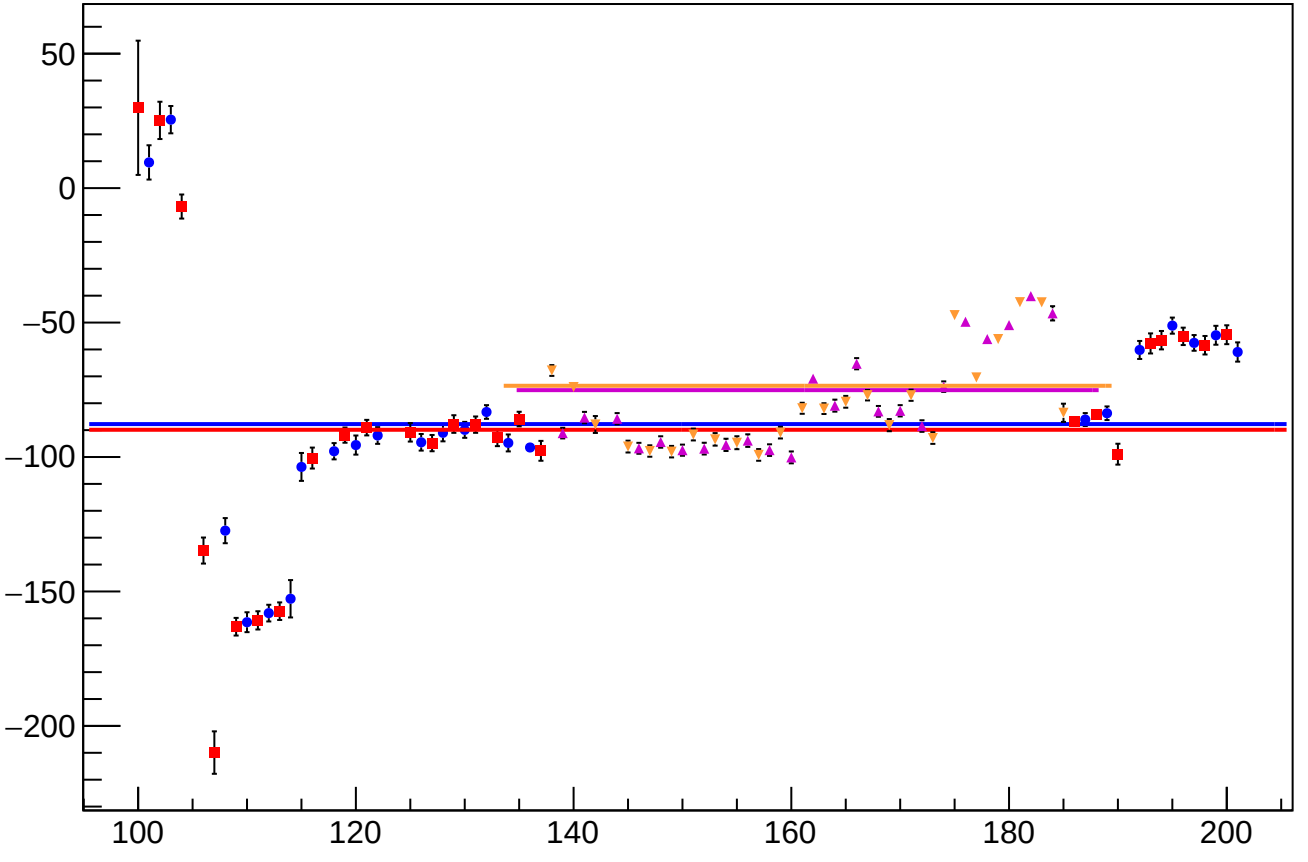
Right: 0.248+/-0.457 χ^2/NDF: 180.2/48

In: 3.870+/-0.288 χ^2/NDF:628.4/45

Out: 4.303+/-0.283 χ^2/NDF:760.7/49

All: 4.090+/-0.202 χ^2/NDF: 1390.2/95

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: -89.869+/-0.590 χ^2/NDF: 2836.6/25

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

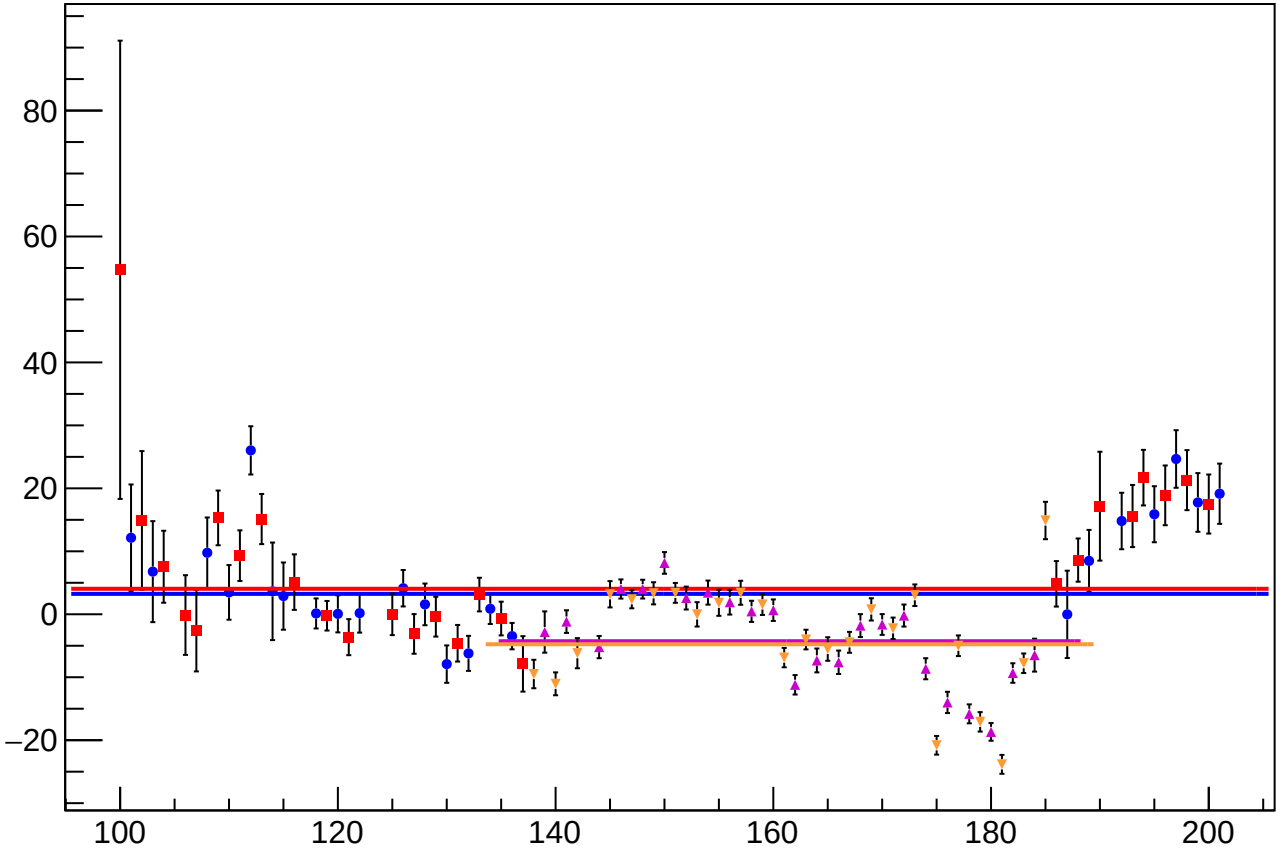
Right: -88.926+/-0.439 χ^2/NDF: 5177.6/48

In: -78.676+/-0.348 χ^2/NDF:4963.3/45

Out: -78.752+/-0.334 χ^2/NDF:5751.1/49

All: -78.715+/-0.241 χ^2/NDF: 10714.4/95

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 4.047+/-0.753 χ^2/NDF: 116.3/25

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

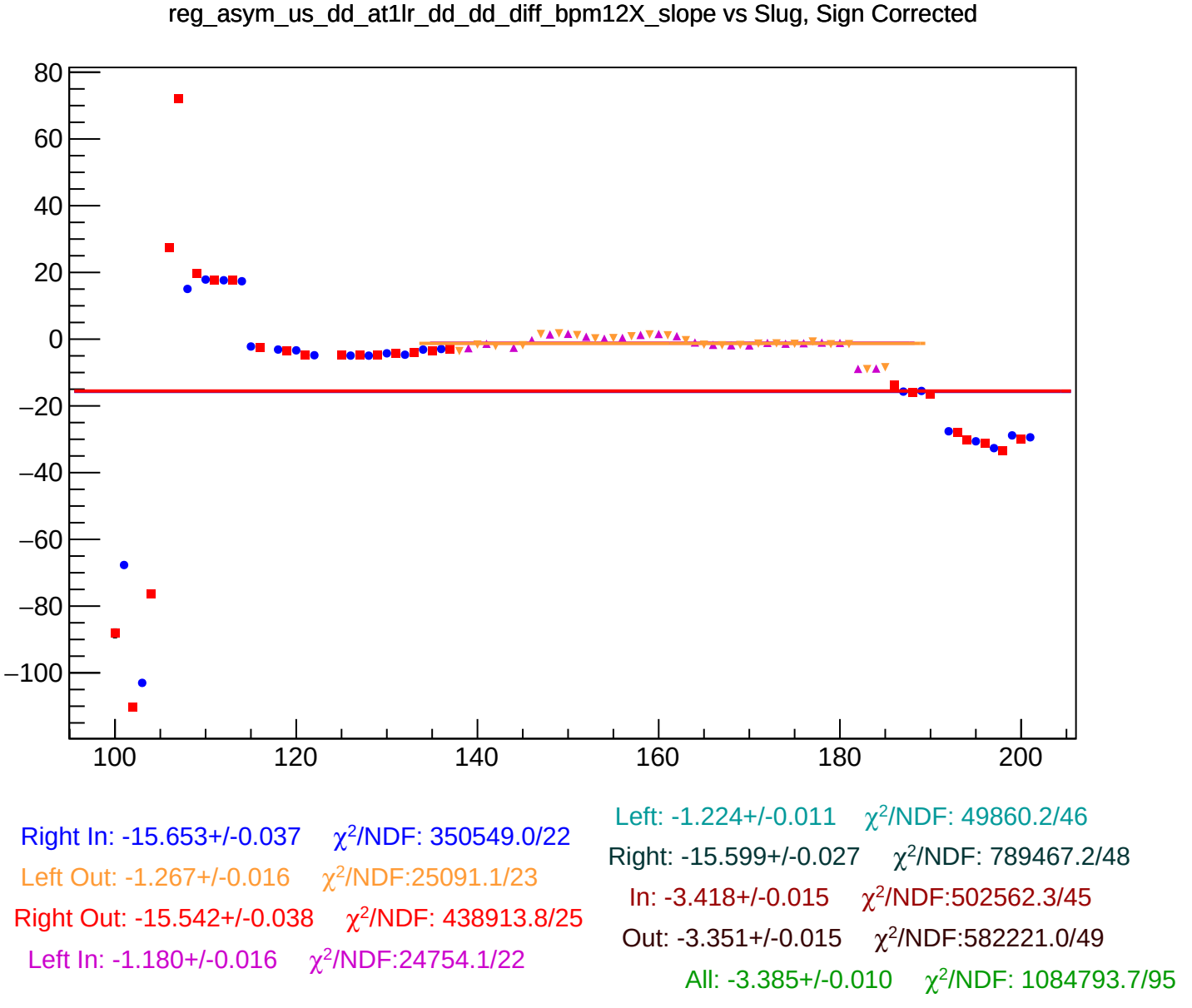
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 3.643+/-0.531 χ^2/NDF: 254.8/48

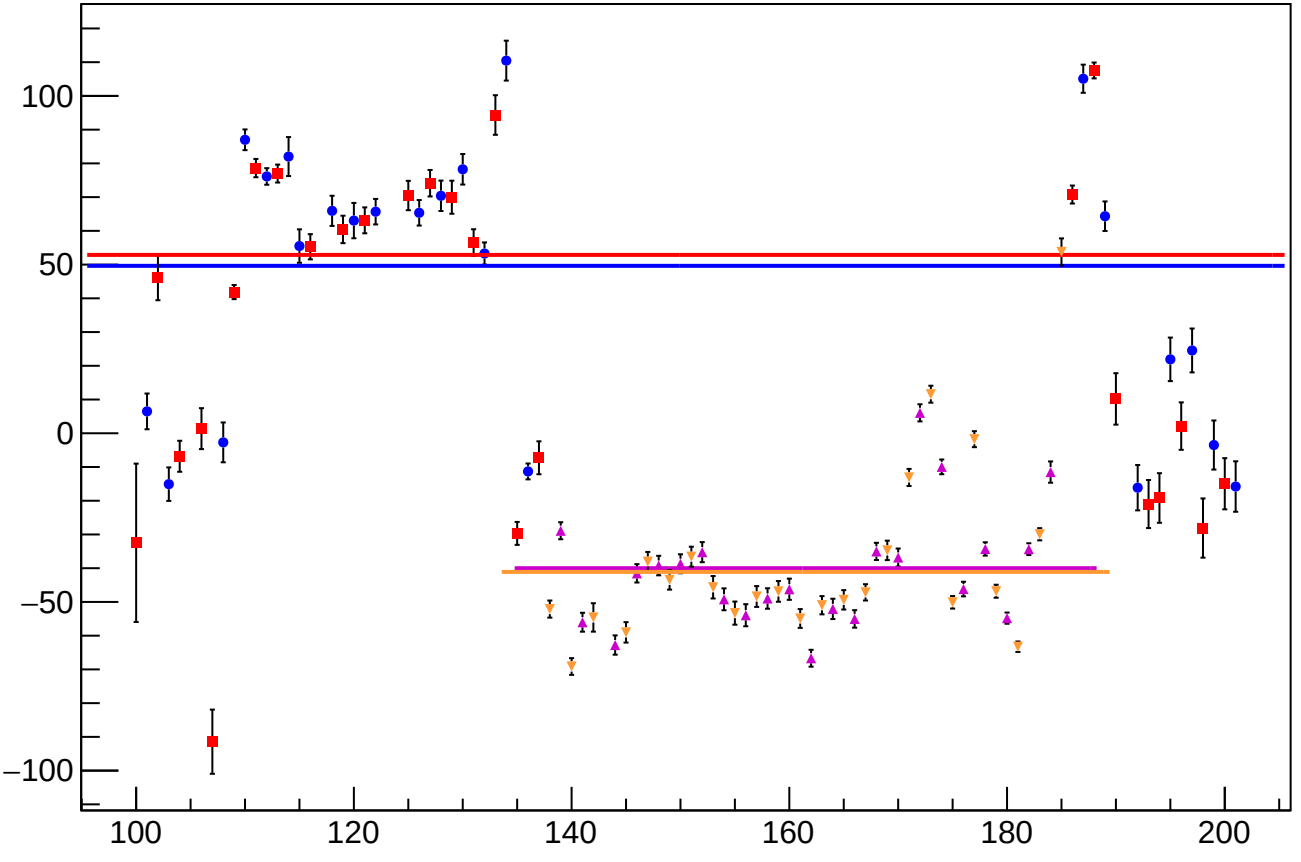
In: -2.861+/-0.325 χ^2/NDF:643.8/45

Out: -3.161+/-0.321 χ^2/NDF:805.3/49

All: -3.013+/-0.228 χ^2/NDF: 1449.6/95


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -15.653+/-0.037 χ²/NDF: 350549.0/22
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -15.542+/-0.038 χ²/NDF: 438913.8/25
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -15.599+/-0.027 χ²/NDF: 789467.2/48
In: -3.418+/-0.015 χ²/NDF:502562.3/45
Out: -3.351+/-0.015 χ²/NDF:582221.0/49
All: -3.385+/-0.010 χ²/NDF: 1084793.7/95

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: 52.870+/-0.785 χ^2/NDF: 2583.0/25

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

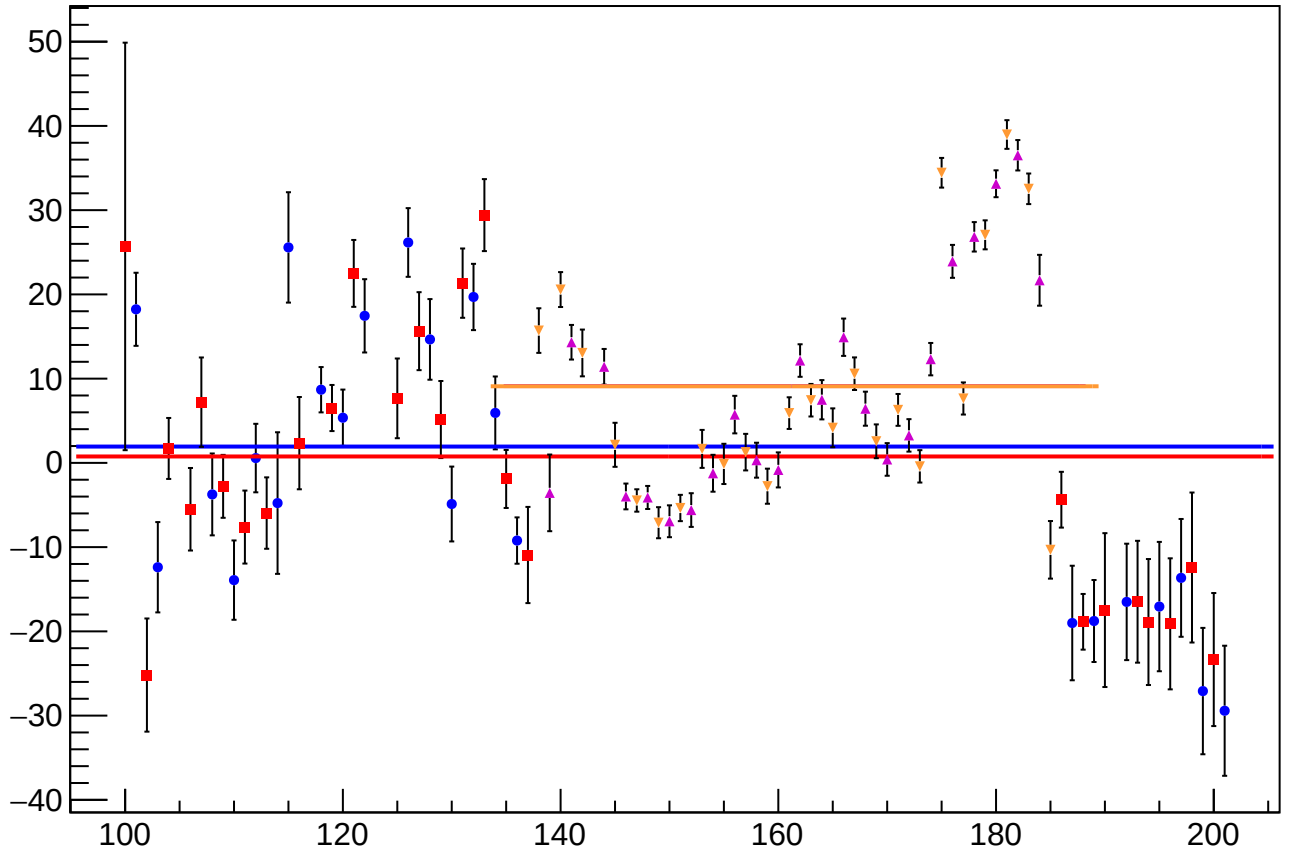
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 51.436+/-0.586 χ^2/NDF: 4541.9/48

In: -16.548+/-0.450 χ^2/NDF:10630.6/45

Out: -12.628+/-0.432 χ^2/NDF:14525.8/49

All: -14.505+/-0.312 χ^2/NDF: 25195.9/95



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: 0.761+/-0.900 χ^2/NDF: 221.2/25

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

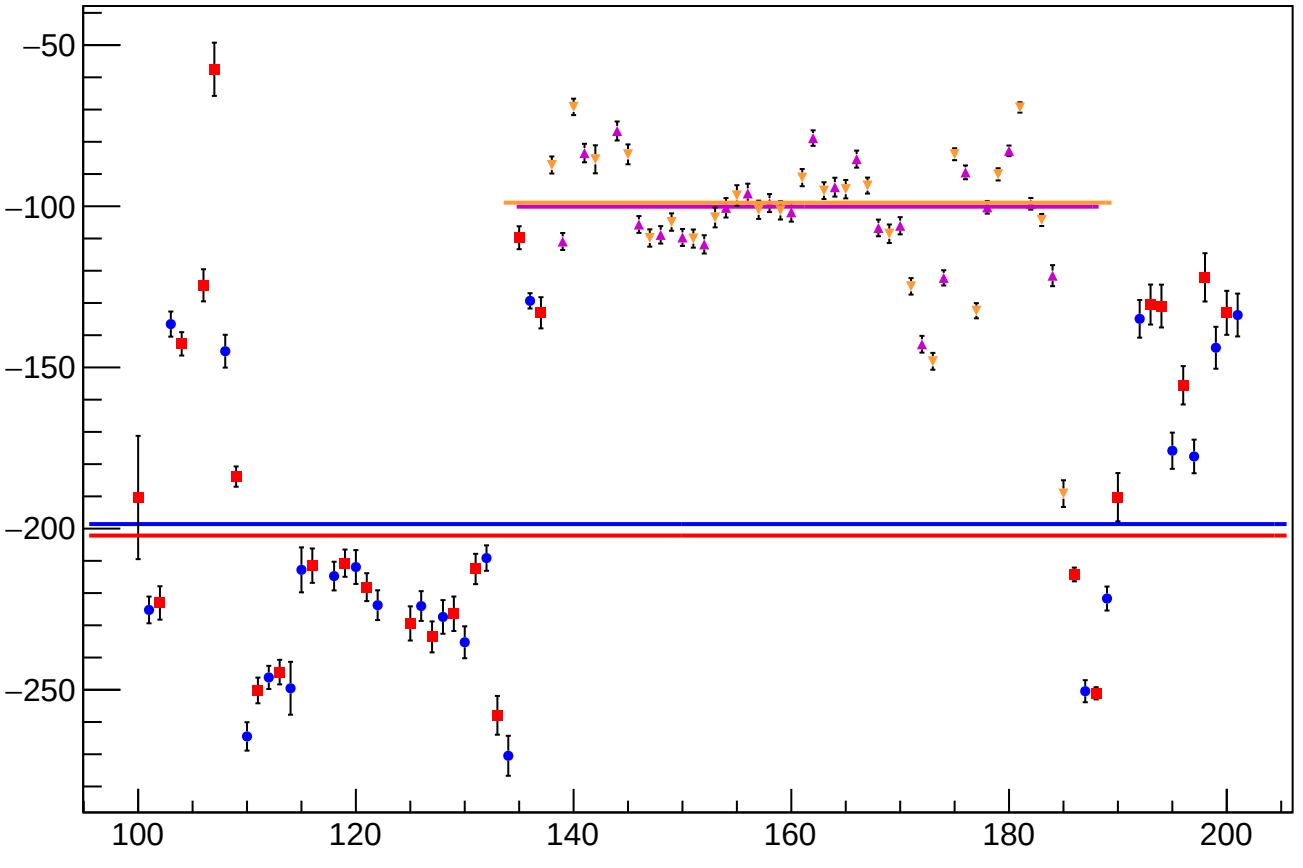
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 1.320+/-0.652 χ^2/NDF: 449.5/48

In: 7.992+/-0.375 χ^2/NDF:1327.8/45

Out: 7.713+/-0.366 χ^2/NDF:1546.4/49

All: 7.849+/-0.262 χ^2/NDF: 2874.5/95



Right In: -198.596+/-0.931 χ^2/NDF: 2587.1/22

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -202.152+/-0.819 χ^2/NDF: 3447.9/25

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

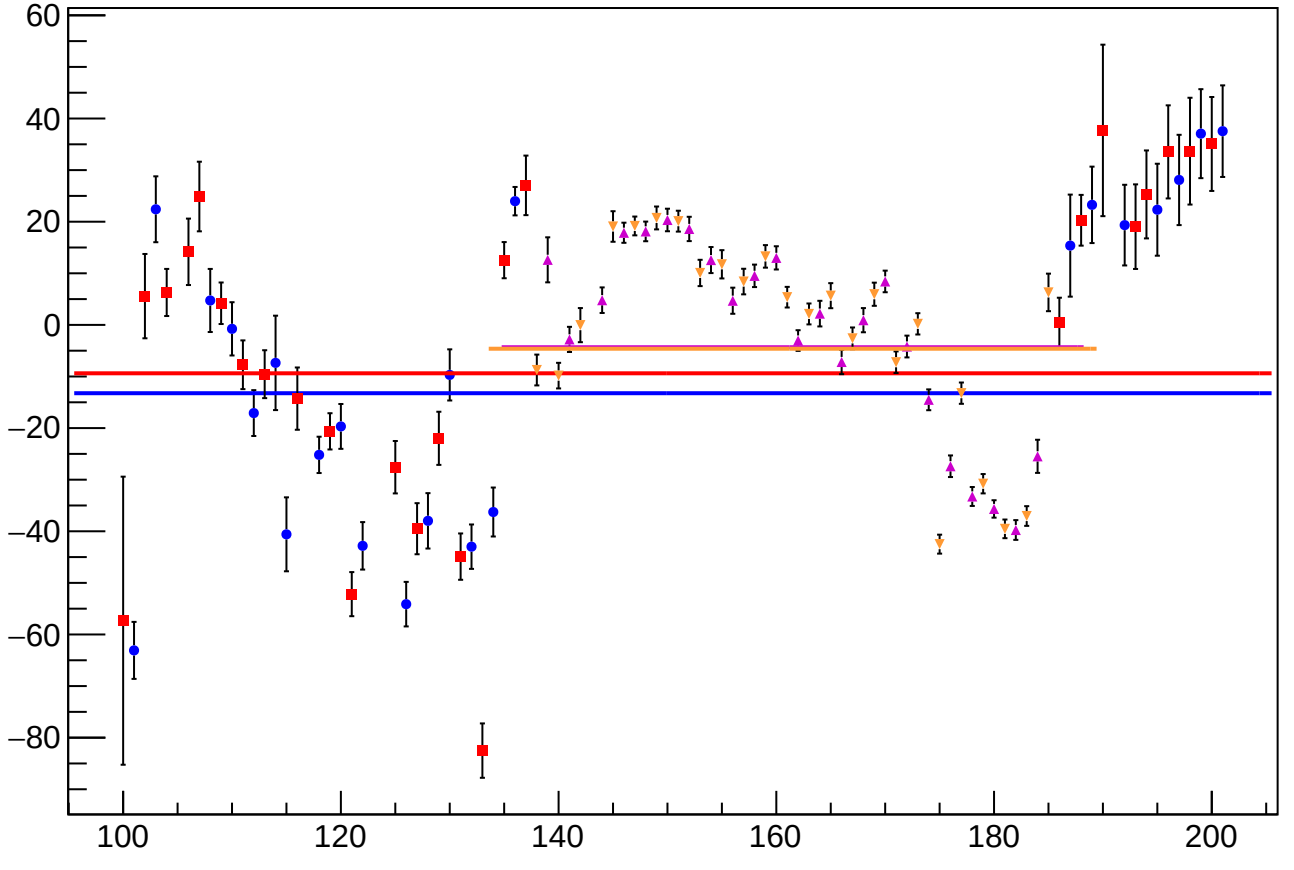
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -200.600+/-0.615 χ^2/NDF: 6043.2/48

In: -123.543+/-0.454 χ^2/NDF:11934.7/45

Out: -128.056+/-0.436 χ^2/NDF:16669.1/49

All: -125.893+/-0.314 χ^2/NDF: 28655.2/95



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: -9.381+/-1.060 χ^2/NDF: 710.8/25

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

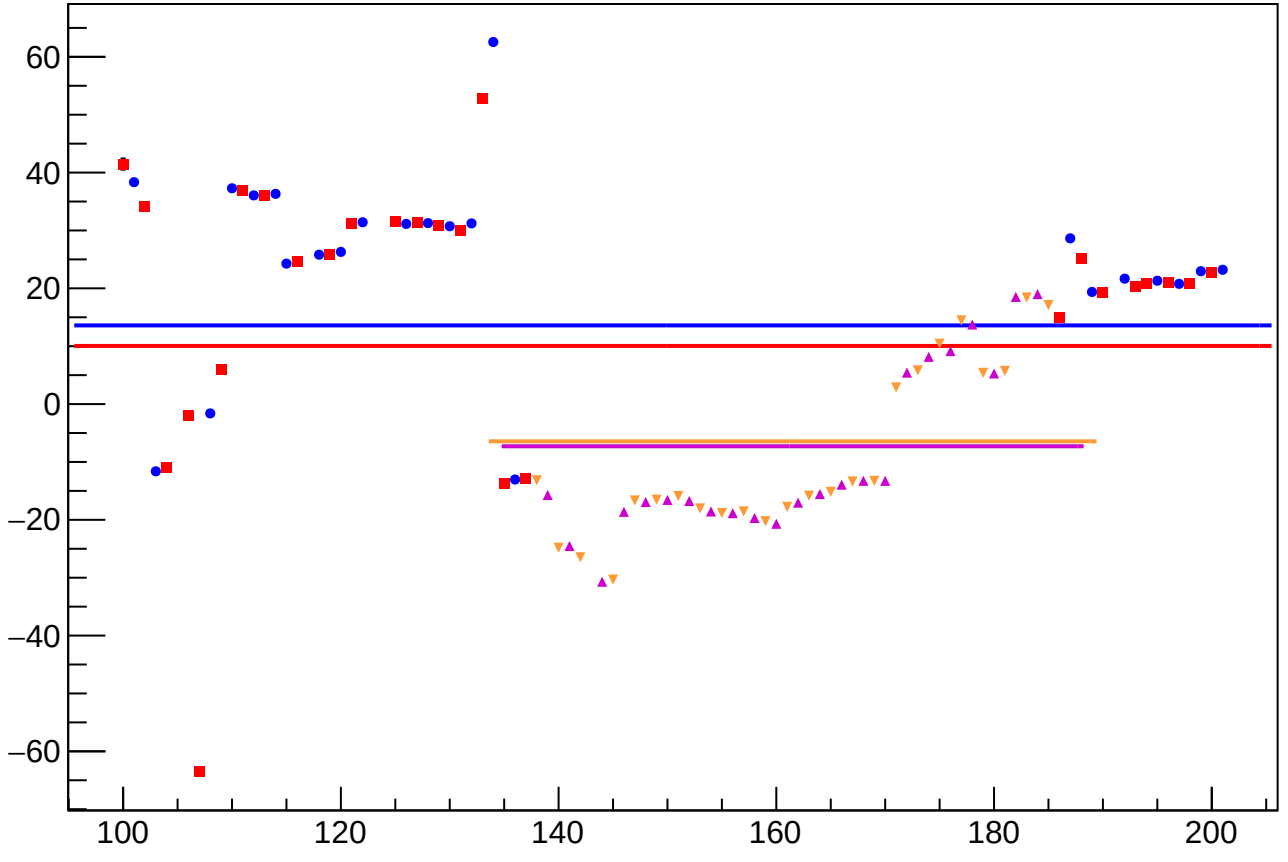
Right: -11.255+/-0.760 χ^2/NDF: 1435.6/48

In: -5.668+/-0.423 χ^2/NDF:2629.2/45

Out: -5.349+/-0.415 χ^2/NDF:2806.2/49

All: -5.506+/-0.296 χ^2/NDF: 5435.8/95

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: 10.046+/-0.054 χ^2/NDF: 172828.2/25

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

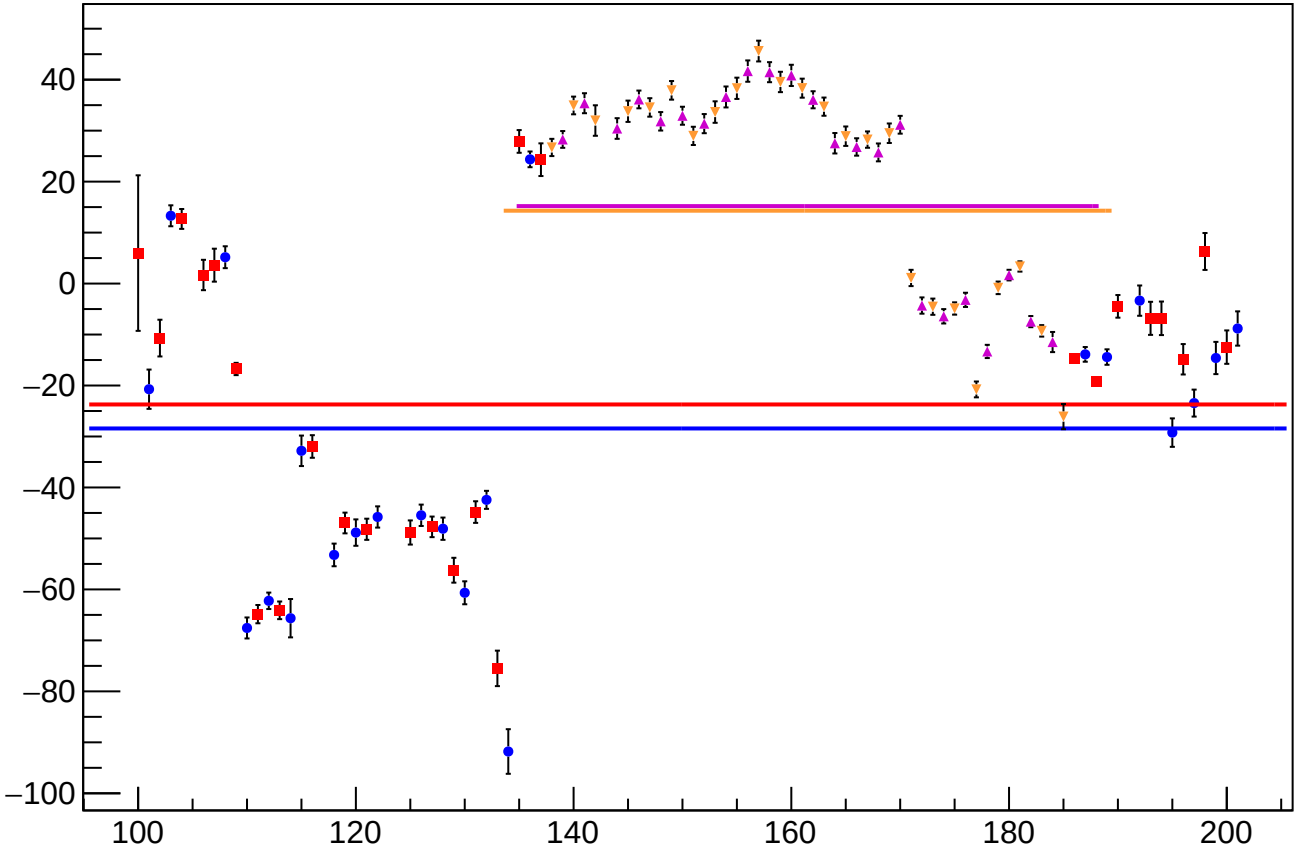
Right: 11.805+/-0.038 χ^2/NDF: 348398.2/48

In: -4.729+/-0.019 χ^2/NDF:791551.0/45

Out: -4.402+/-0.019 χ^2/NDF:751794.3/49

All: -4.565+/-0.013 χ^2/NDF: 1543493.9/95

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -23.717+/-0.379 χ^2/NDF: 3748.8/25

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

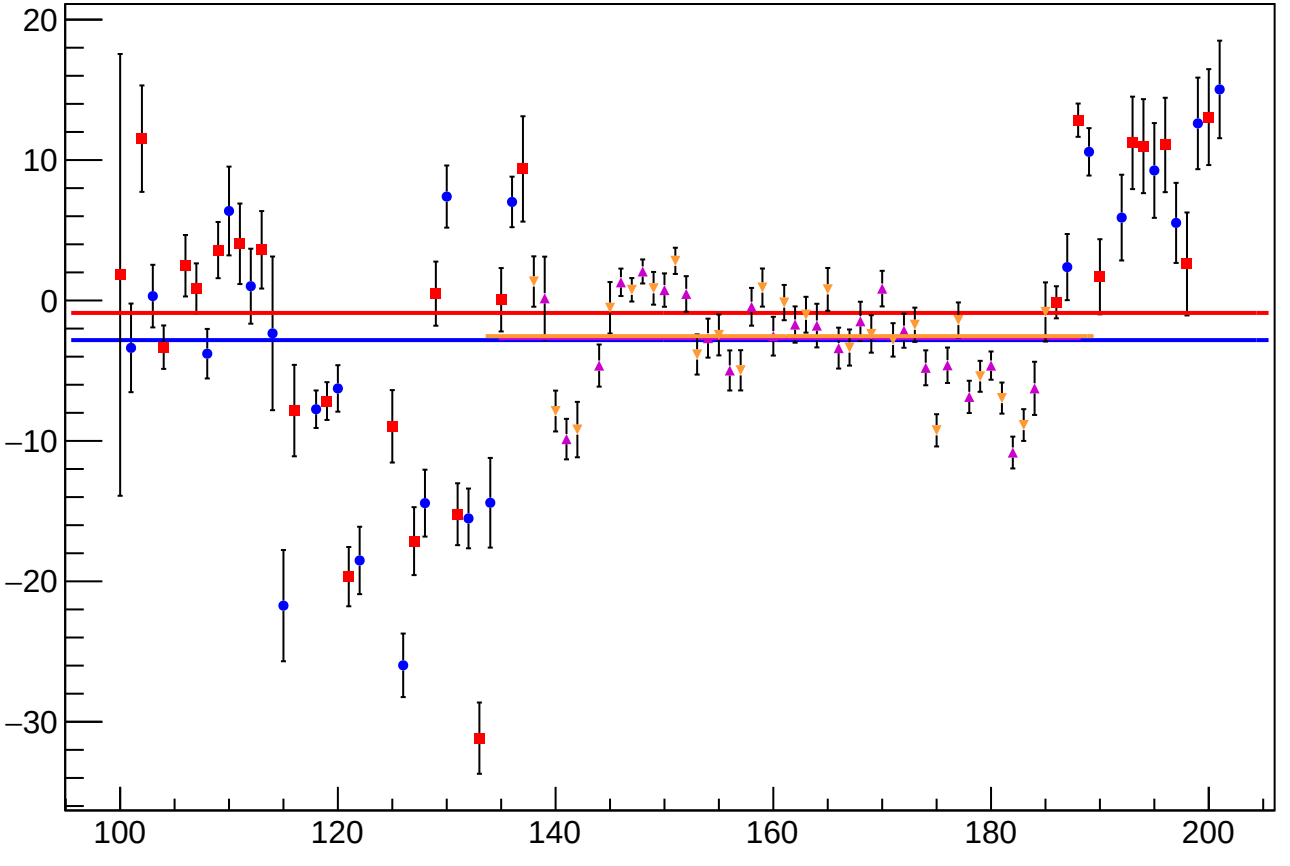
Right: -25.642+/-0.291 χ^2/NDF: 7742.6/48

In: -0.380+/-0.272 χ^2/NDF:13233.8/45

Out: -2.401+/-0.251 χ^2/NDF:13123.4/49

All: -1.472+/-0.185 χ^2/NDF: 26387.0/95

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: -0.887+/-0.424 χ^2/NDF: 572.2/25

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

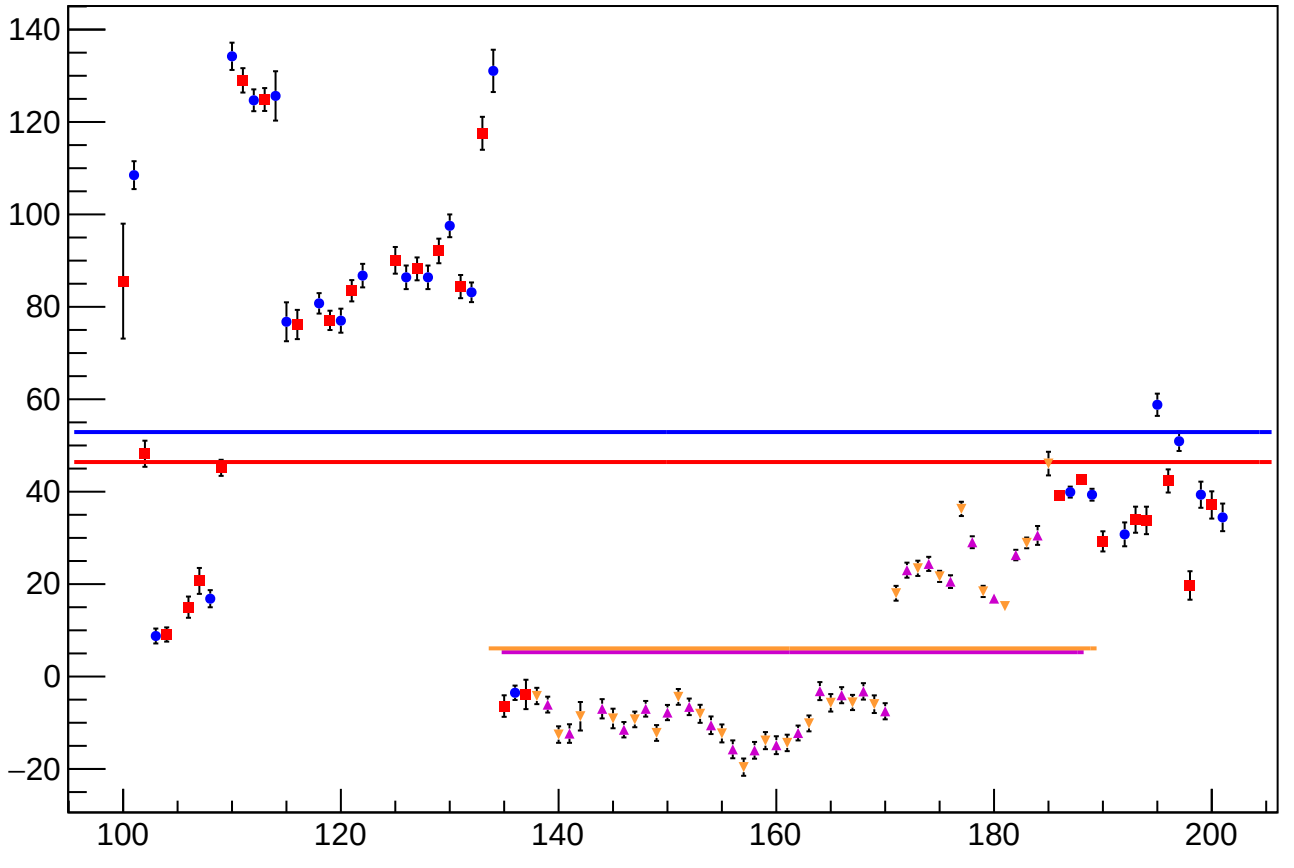
Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

Right: -1.728+/-0.318 χ^2/NDF: 1052.4/48

In: -2.713+/-0.232 χ^2/NDF:653.2/45

Out: -2.088+/-0.221 χ^2/NDF:781.6/49

All: -2.385+/-0.160 χ^2/NDF: 1438.7/95



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: 46.416+/-0.359 χ^2/NDF: 5926.2/25

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

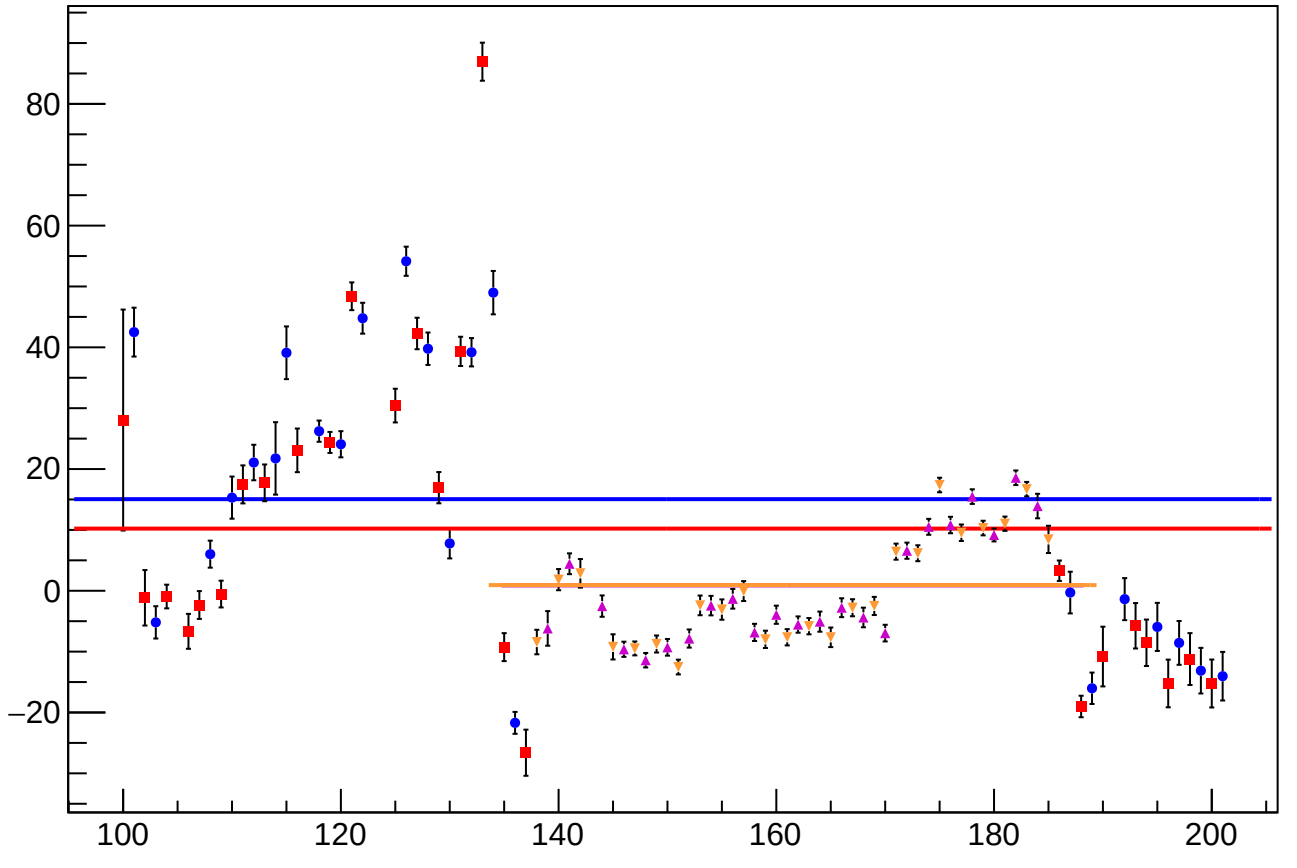
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 48.941+/-0.281 χ^2/NDF: 12696.5/48

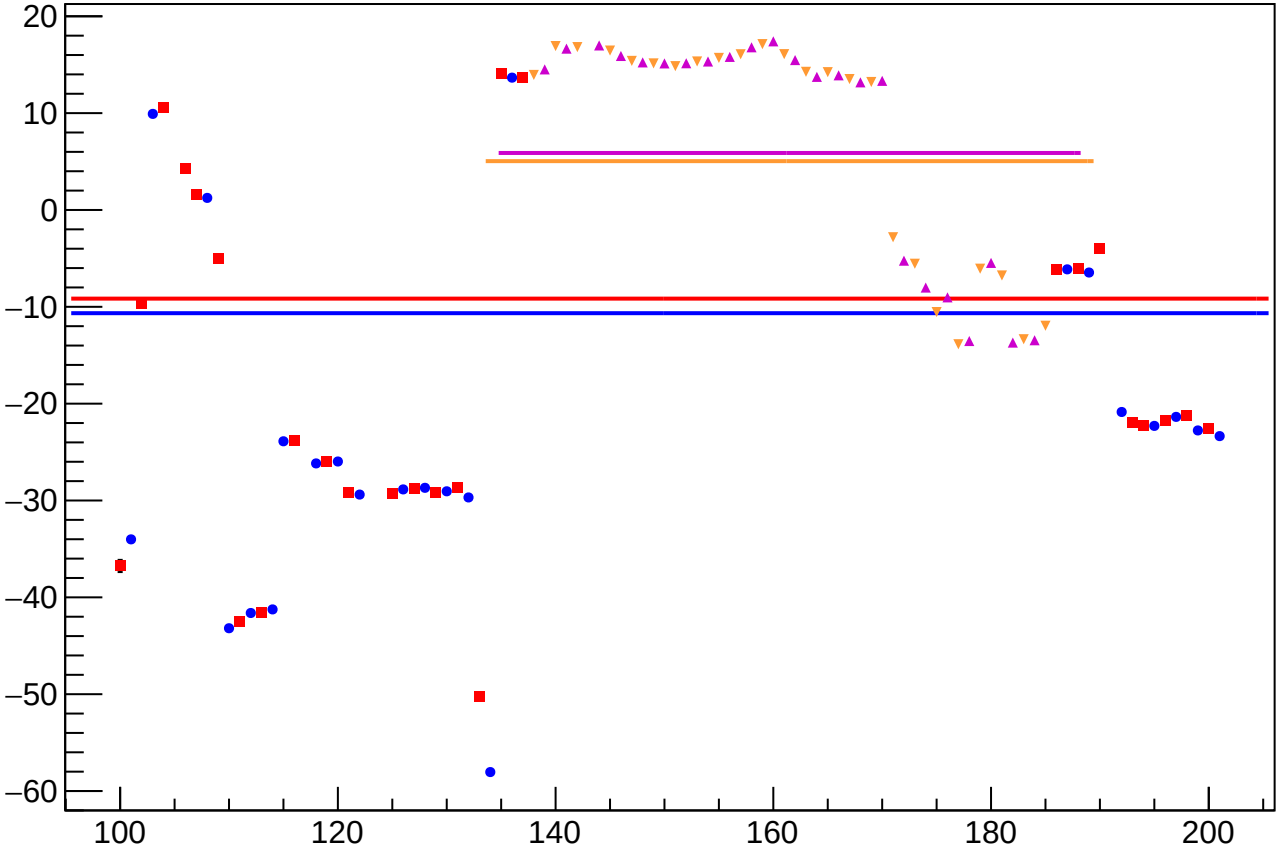
In: 22.346+/-0.270 χ^2/NDF:16277.1/45

Out: 24.714+/-0.244 χ^2/NDF:15475.9/49

All: 23.647+/-0.181 χ^2/NDF: 31795.4/95


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
120
140
160
180
200
Right In: 15.052+/-0.574 χ²/NDF: 1698.3/22
Left Out: 0.929+/-0.292 χ²/NDF:1041.7/23
Right Out: 10.214+/-0.523 χ²/NDF: 2090.1/25
Left In: 0.878+/-0.297 χ²/NDF:1006.0/22
Left: 0.904+/-0.208 χ²/NDF: 2047.7/46
Right: 12.407+/-0.386 χ²/NDF: 3827.2/48
In: 3.875+/-0.264 χ²/NDF:3185.0/45
Out: 3.135+/-0.255 χ²/NDF:3372.3/49
All: 3.492+/-0.183 χ²/NDF: 6561.4/95

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -9.154+/-0.026 χ^2/NDF: 387284.8/25

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

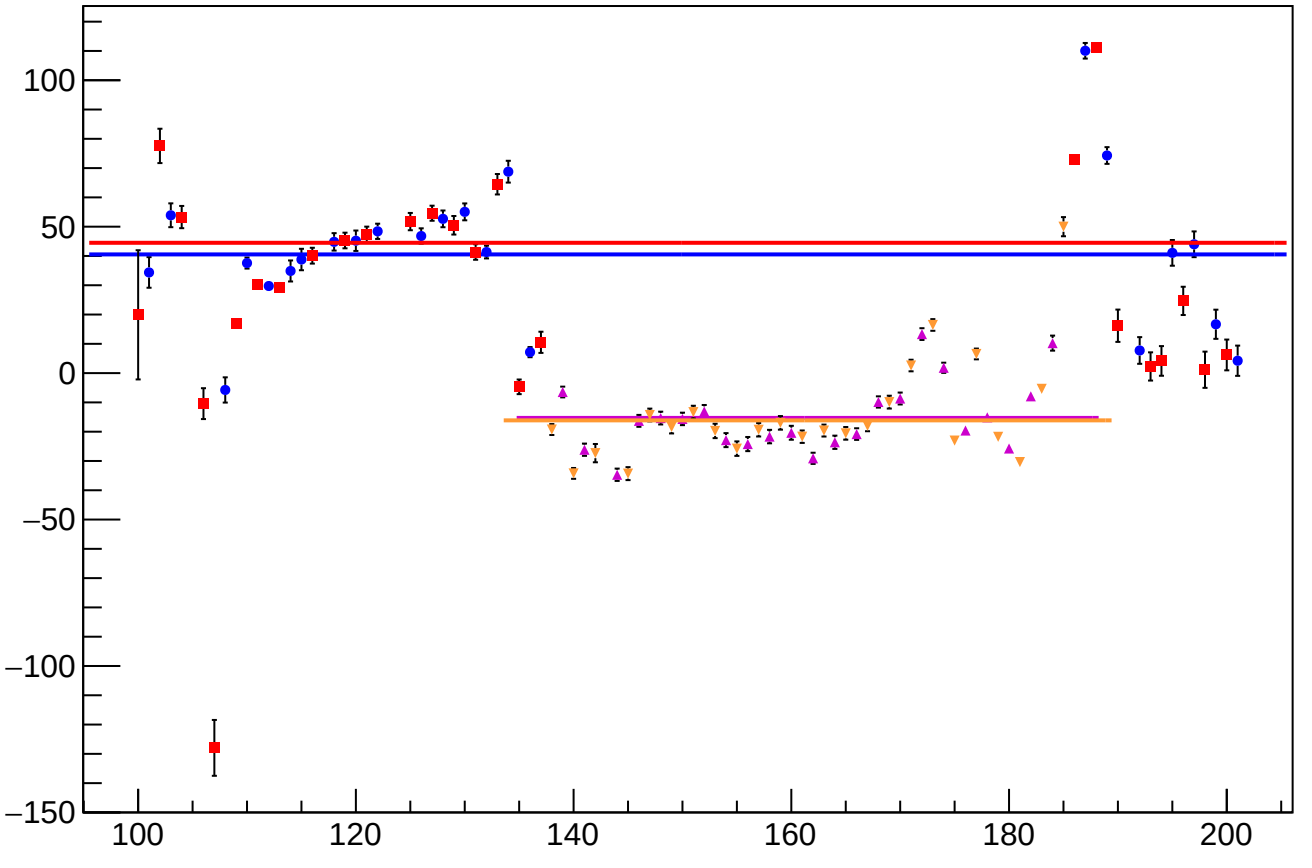
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -9.880+/-0.019 χ^2/NDF: 869129.6/48

In: 2.698+/-0.012 χ^2/NDF:1631710.4/45

Out: 2.183+/-0.012 χ^2/NDF:1480708.9/49

All: 2.438+/-0.008 χ^2/NDF: 3113380.4/95



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: 44.496+/-0.534 χ^2/NDF: 3997.1/25

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

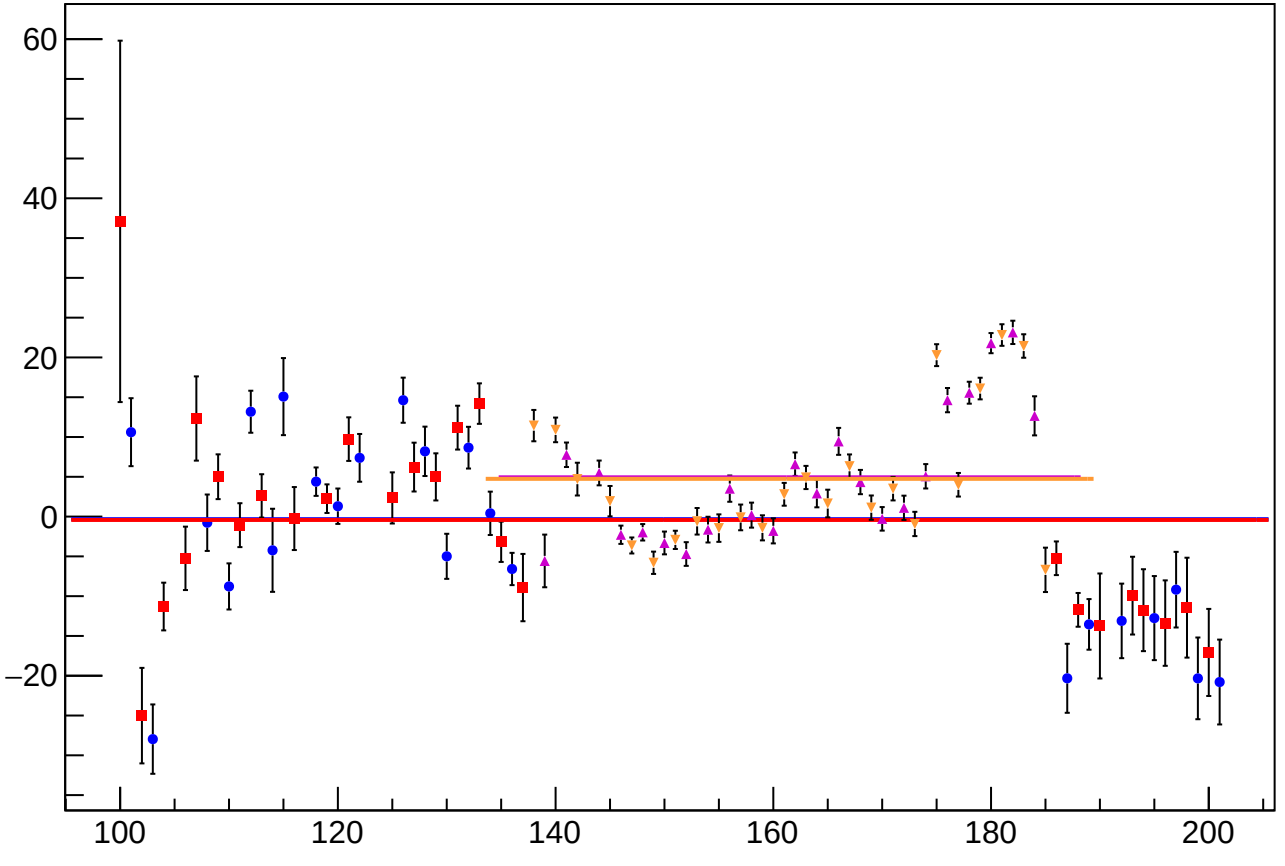
Right: 42.732+/-0.398 χ^2/NDF: 5635.0/48

In: 2.228+/-0.334 χ^2/NDF:8391.0/45

Out: 5.534+/-0.319 χ^2/NDF:13658.5/49

All: 3.957+/-0.231 χ^2/NDF: 22100.8/95

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.421+/-0.621 χ^2/NDF: 190.1/25

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

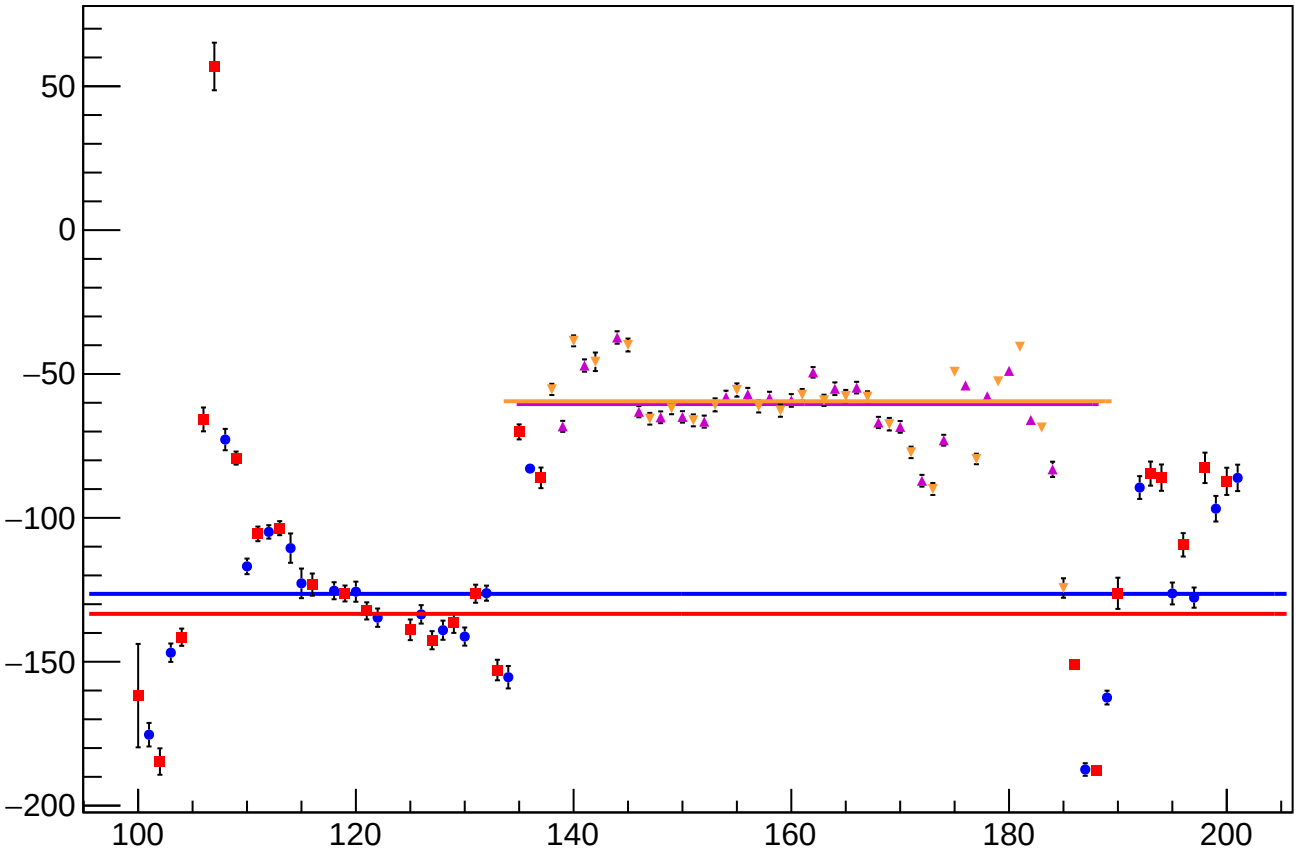
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -0.376+/-0.448 χ^2/NDF: 440.7/48

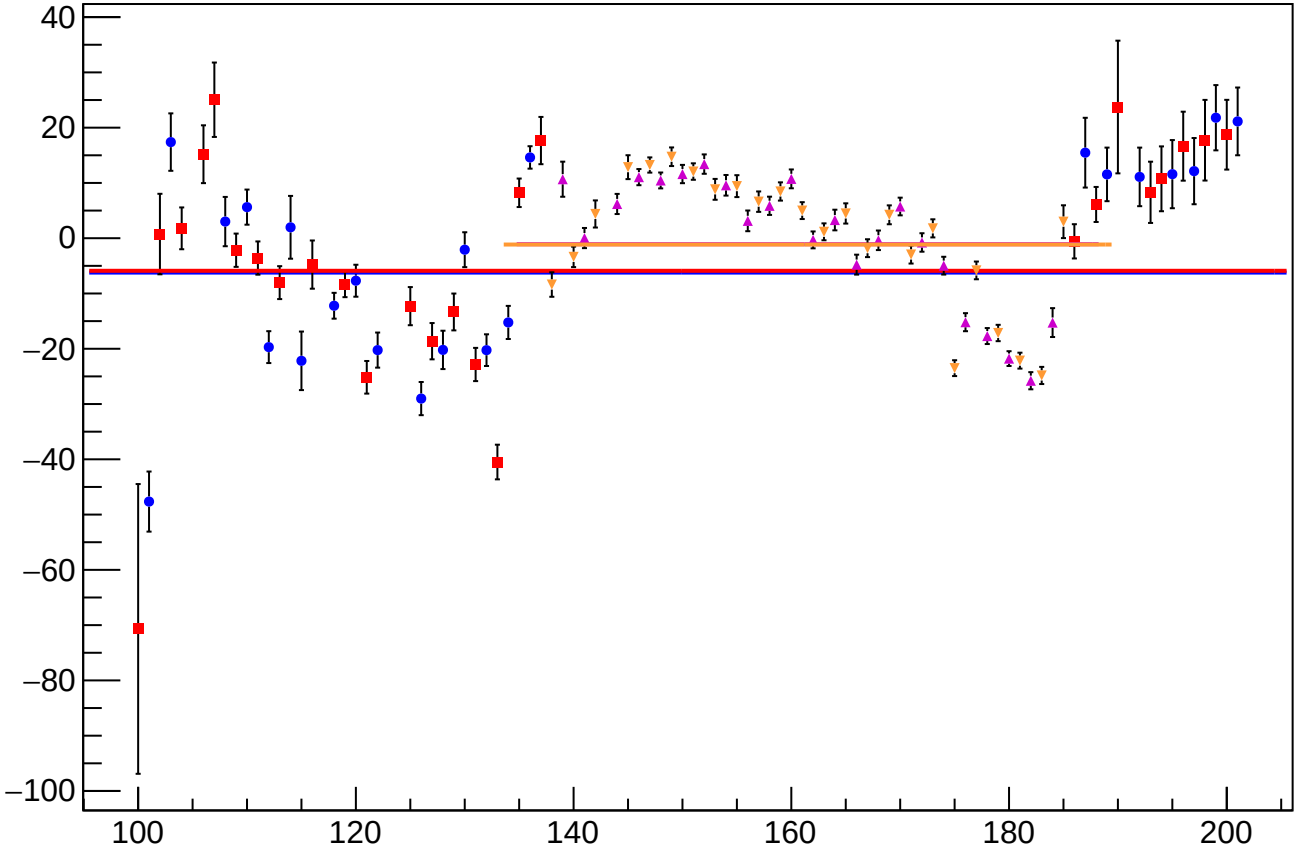
In: 3.939+/-0.282 χ^2/NDF:992.4/45

Out: 3.732+/-0.275 χ^2/NDF:1039.6/49

All: 3.833+/-0.197 χ^2/NDF: 2032.3/95


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: -133.356+/-0.558 χ²/NDF: 5205.6/25
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -130.357+/-0.421 χ²/NDF: 7705.1/48
In: -78.928+/-0.339 χ²/NDF:10745.0/45
Out: -84.134+/-0.322 χ²/NDF:18255.6/49
All: -81.661+/-0.234 χ²/NDF: 29124.5/95

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: -5.894+/-0.732 χ^2/NDF: 409.0/25

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

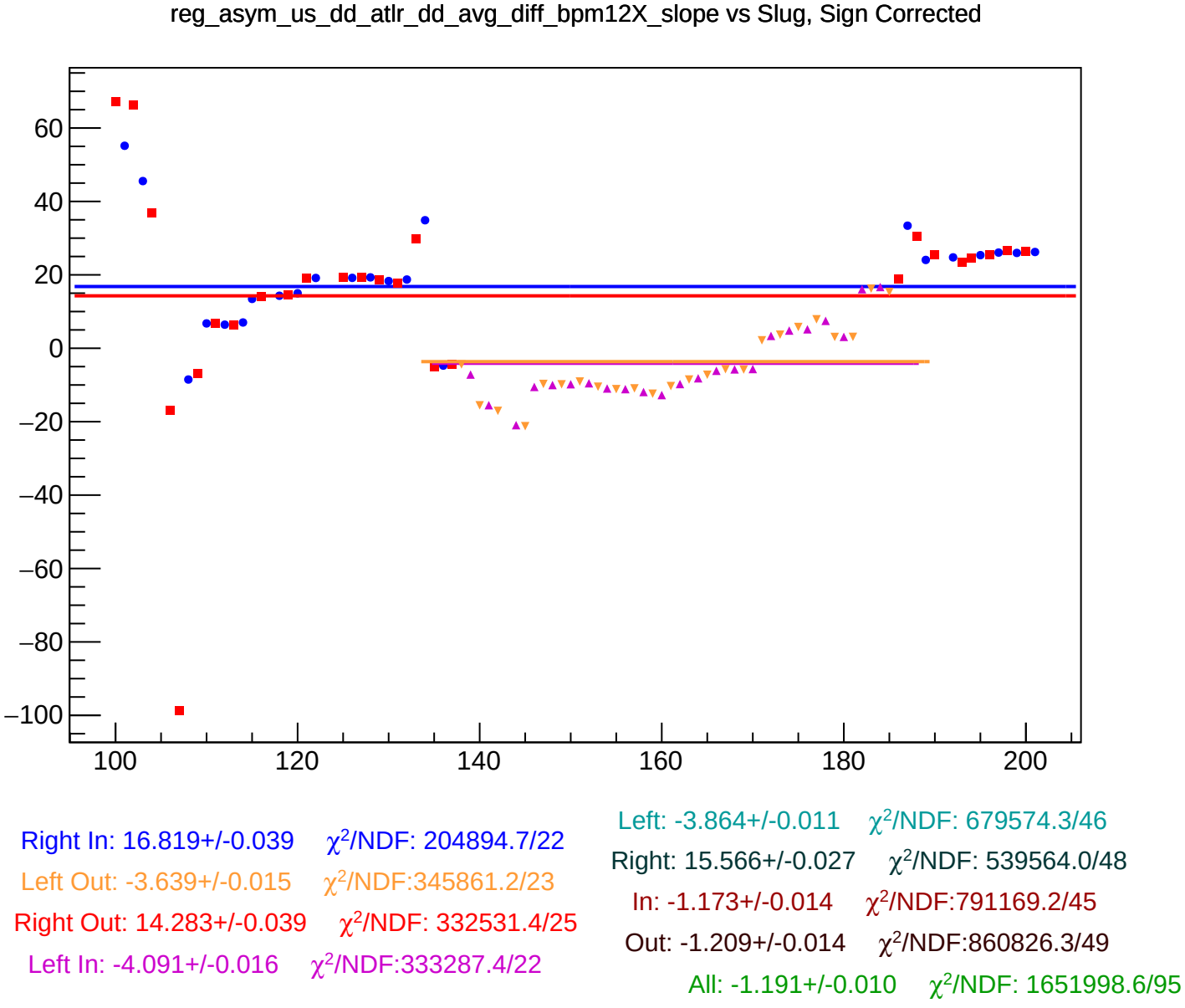
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -6.052+/-0.523 χ^2/NDF: 875.7/48

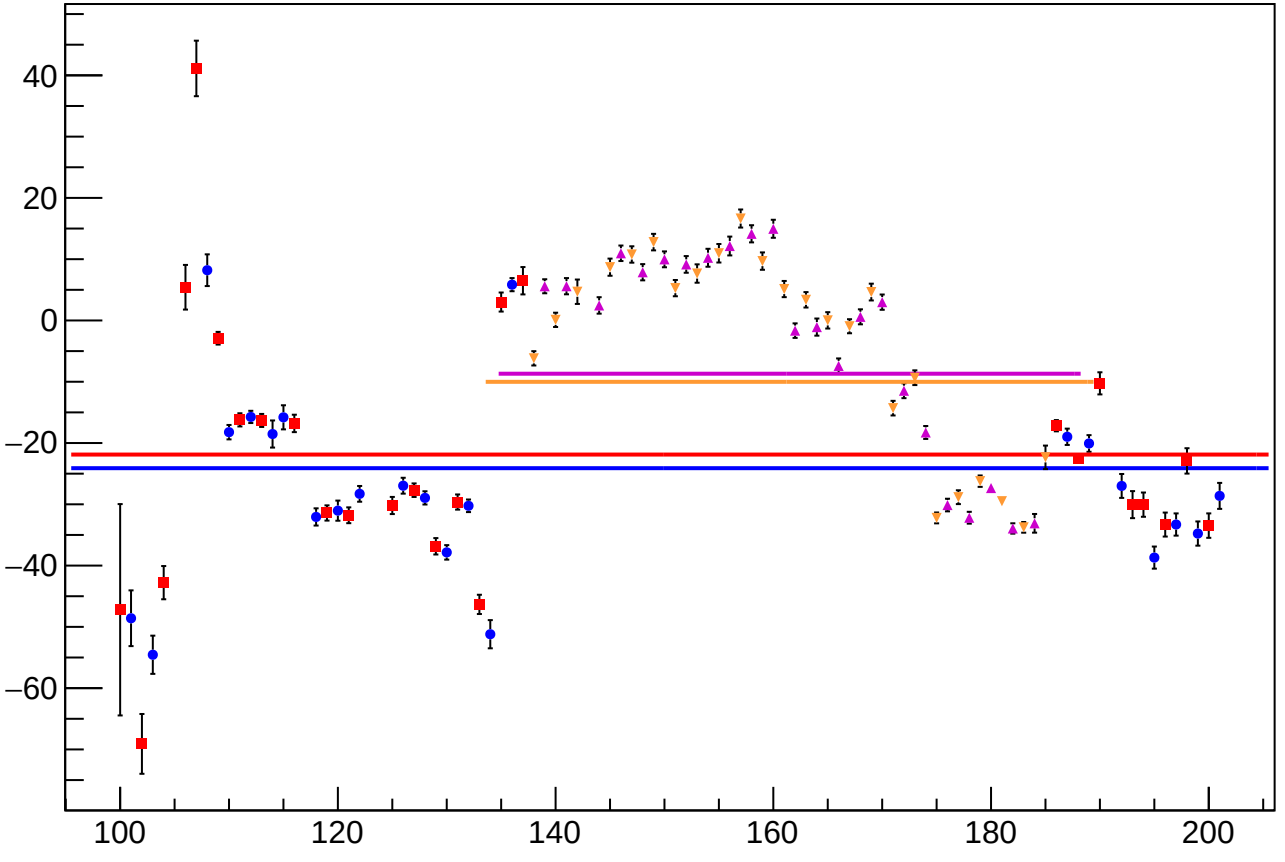
In: -2.014+/-0.318 χ^2/NDF:1662.6/45

Out: -2.009+/-0.313 χ^2/NDF:1746.4/49

All: -2.012+/-0.223 χ^2/NDF: 3409.0/95


reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 16.819+/-0.039 χ²/NDF: 204894.7/22
Left Out: -3.639+/-0.015 χ²/NDF:345861.2/23
Right Out: 14.283+/-0.039 χ²/NDF: 332531.4/25
Left In: -4.091+/-0.016 χ²/NDF:333287.4/22
Left: -3.864+/-0.011 χ²/NDF: 679574.3/46
Right: 15.566+/-0.027 χ²/NDF: 539564.0/48
In: -1.173+/-0.014 χ²/NDF:791169.2/45
Out: -1.209+/-0.014 χ²/NDF:860826.3/49
All: -1.191+/-0.010 χ²/NDF: 1651998.6/95

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -21.882+/-0.281 χ^2/NDF: 1981.2/25

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

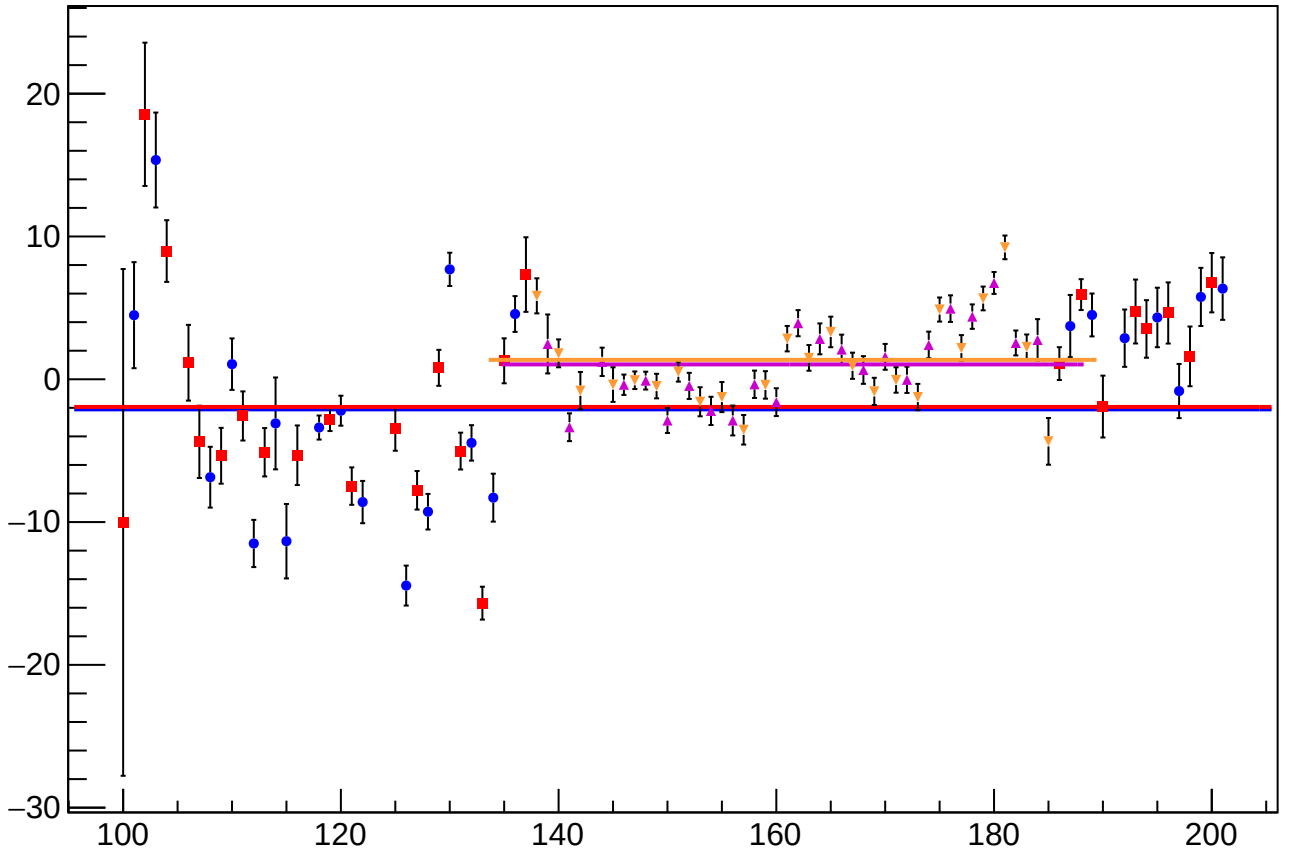
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.895+/-0.207 χ^2/NDF: 3733.8/48

In: -14.764+/-0.193 χ^2/NDF:8272.6/45

Out: -15.123+/-0.184 χ^2/NDF:7974.7/49

All: -14.952+/-0.133 χ^2/NDF: 16249.1/95



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: -1.937+/-0.313 χ^2/NDF: 368.5/25

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

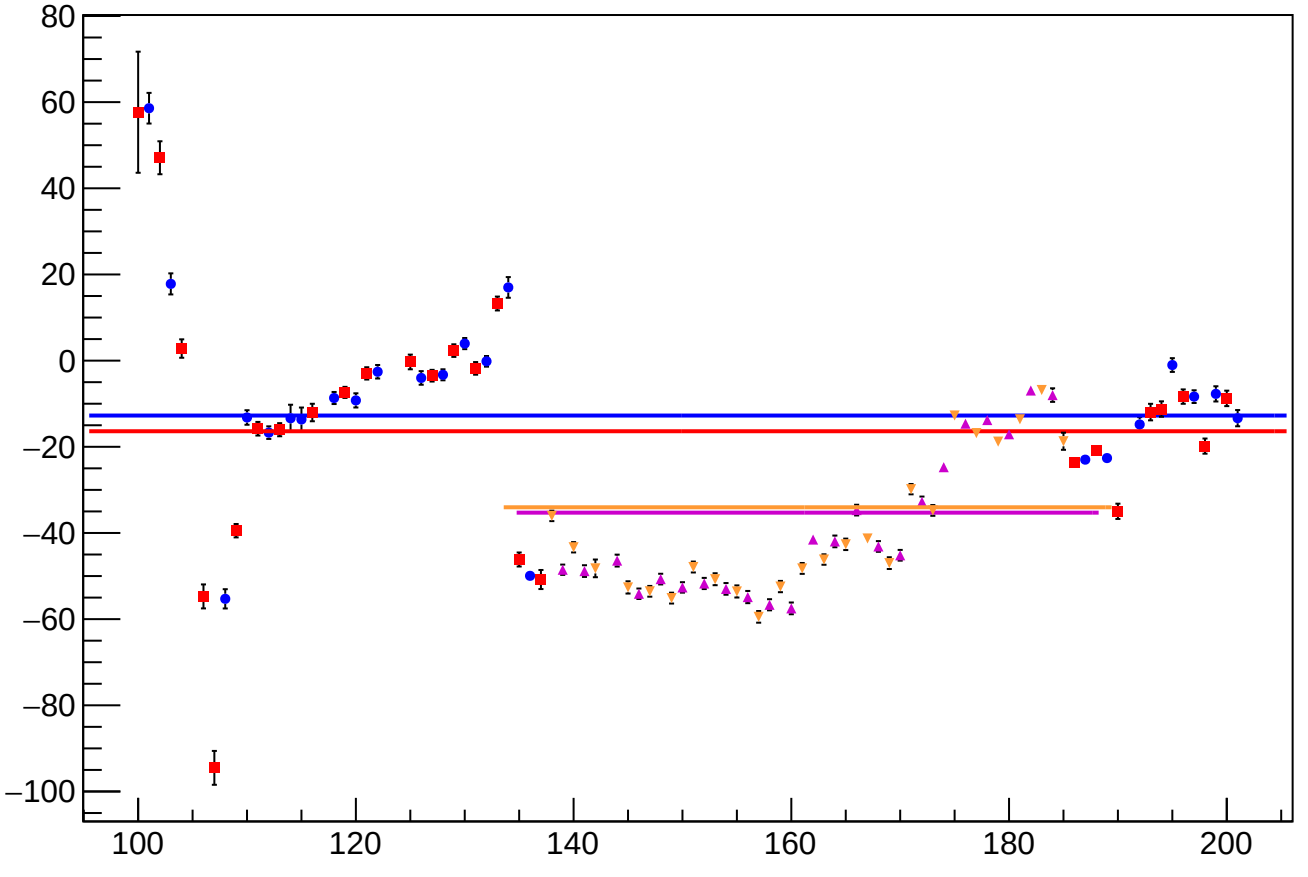
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -2.019+/-0.225 χ^2/NDF: 773.7/48

In: 0.224+/-0.166 χ^2/NDF:670.5/45

Out: 0.483+/-0.161 χ^2/NDF:690.5/49

All: 0.357+/-0.116 χ^2/NDF: 1362.3/95



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: -16.388+/-0.287 χ^2/NDF: 3009.5/25

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

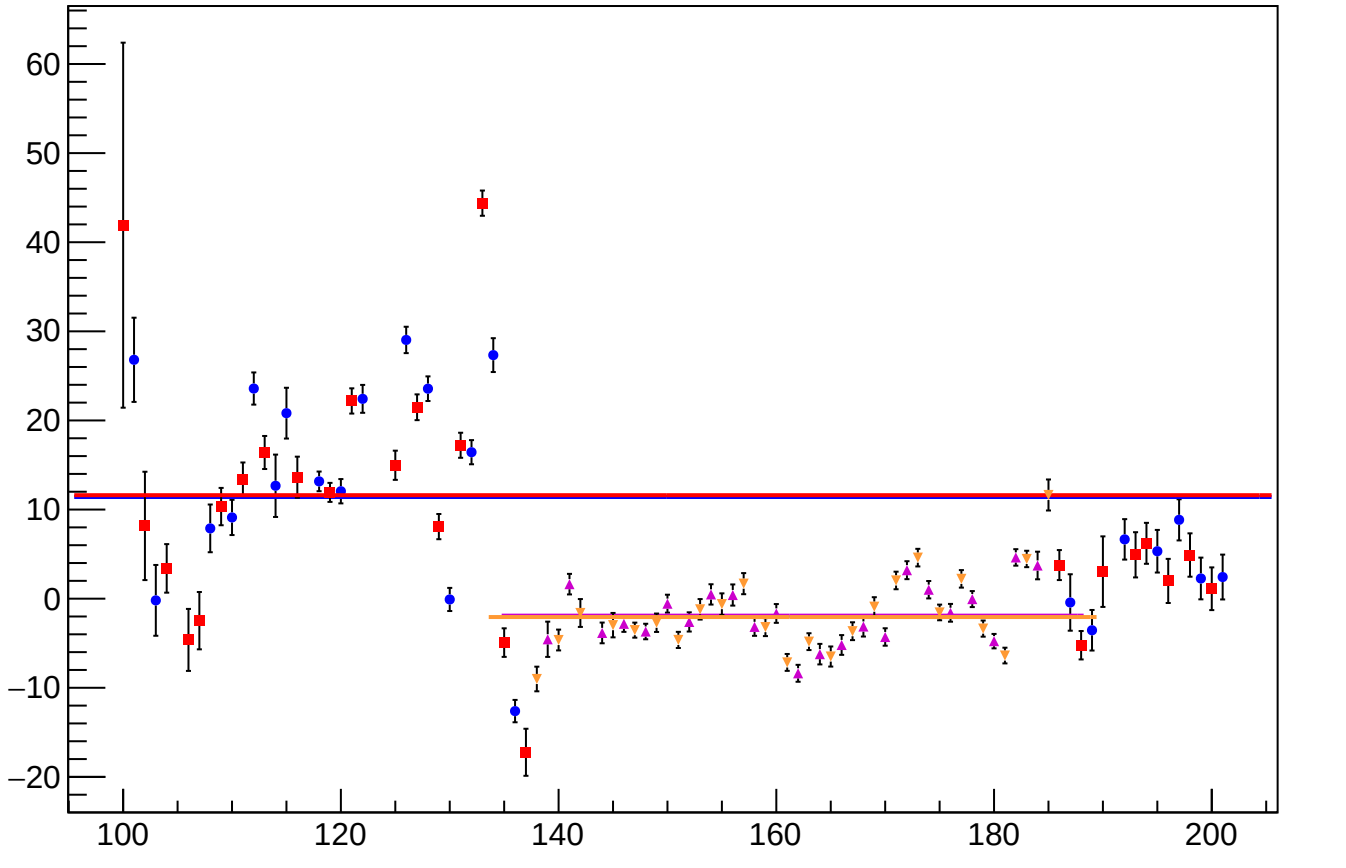
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

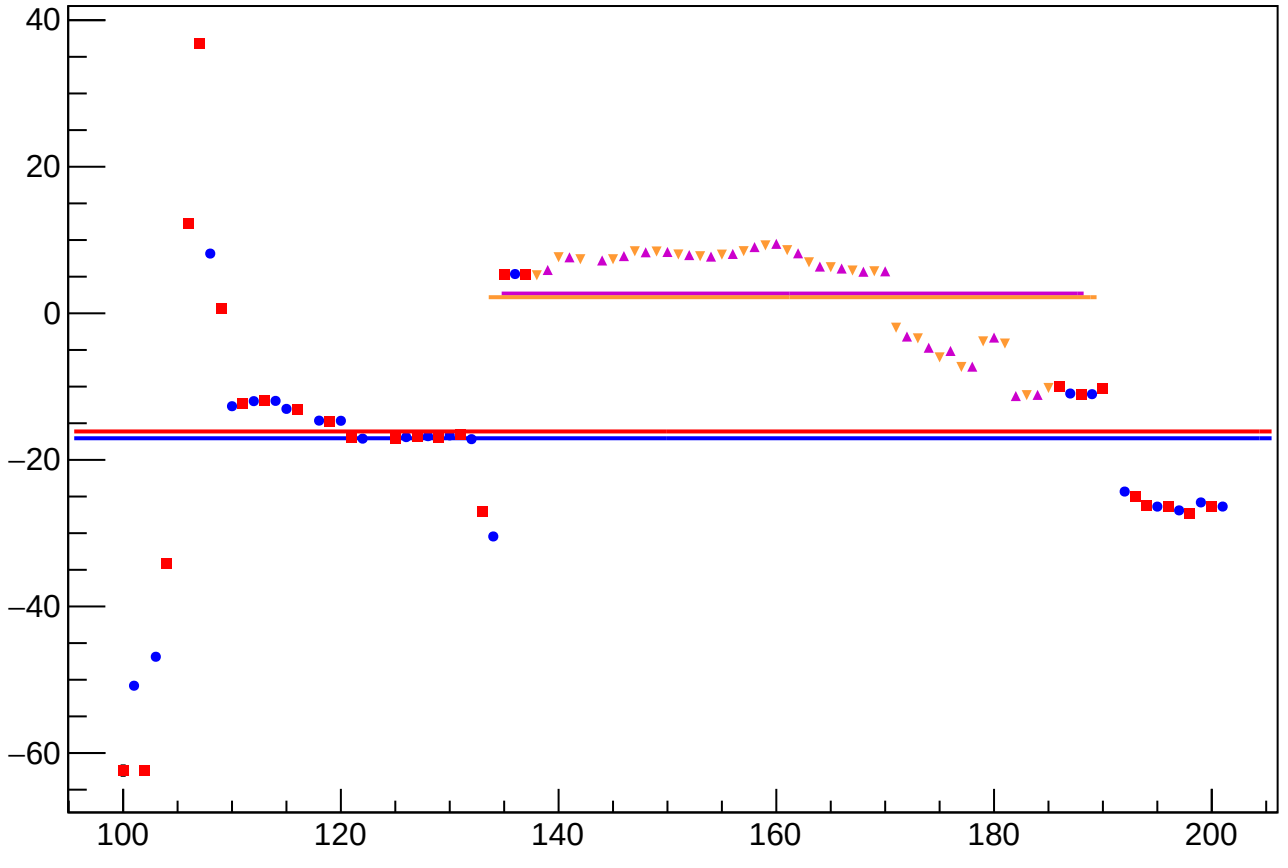
Right: -14.796+/-0.215 χ^2/NDF: 5985.0/48

In: -27.110+/-0.196 χ^2/NDF:10962.0/45

Out: -26.672+/-0.185 χ^2/NDF:10184.6/49

All: -26.879+/-0.135 χ^2/NDF: 21149.3/95


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: 11.612+/-0.371 χ²/NDF: 1144.2/25
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 11.514+/-0.265 χ²/NDF: 2120.8/48
In: 1.379+/-0.188 χ²/NDF:2134.3/45
Out: 1.309+/-0.184 χ²/NDF:2499.8/49
All: 1.343+/-0.131 χ²/NDF: 4634.2/95



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: -16.120+/-0.020 χ^2/NDF: 554043.7/25

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

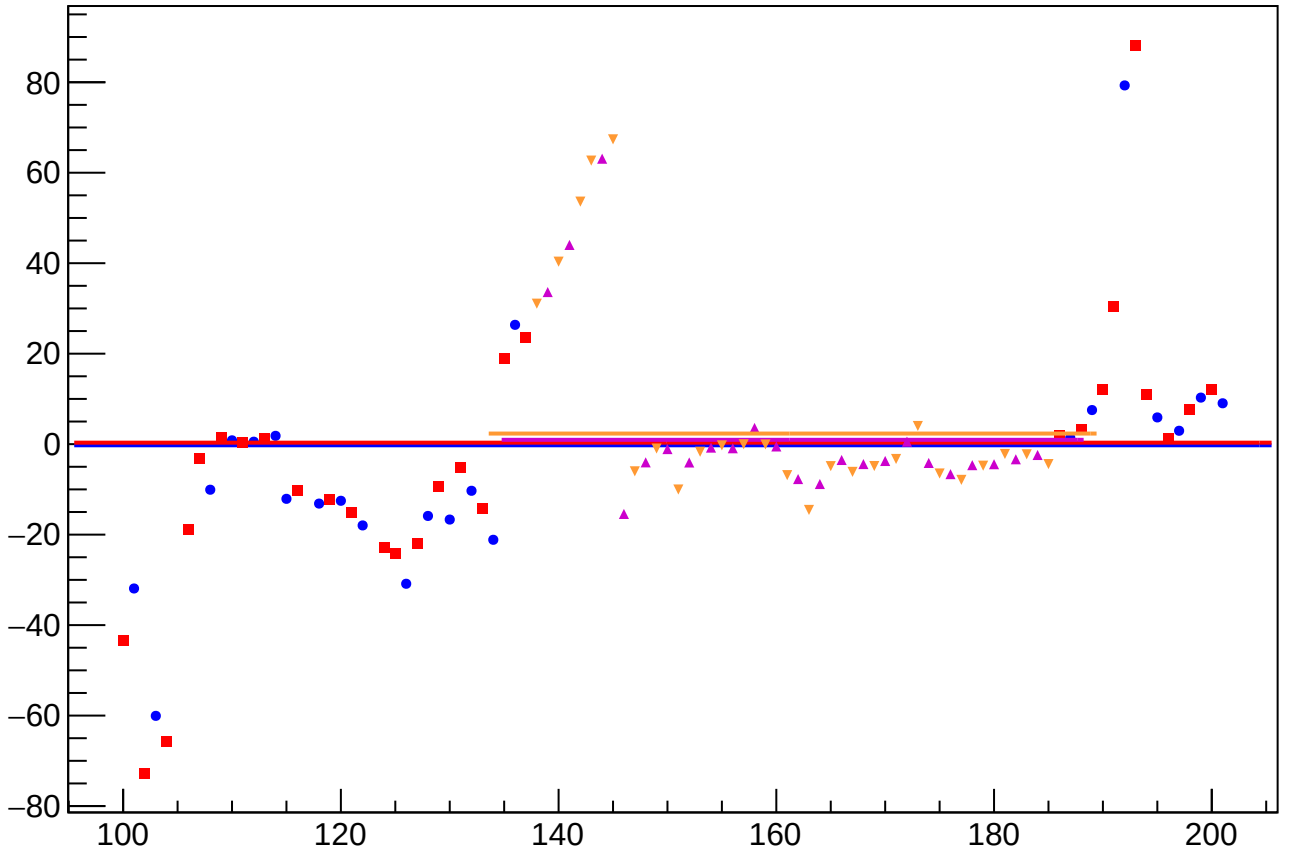
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -16.584+/-0.014 χ^2/NDF: 1042534.4/48

In: -1.064+/-0.009 χ^2/NDF:1799262.4/45

Out: -1.271+/-0.009 χ^2/NDF:1767443.7/49

All: -1.168+/-0.006 χ^2/NDF: 3566999.0/95



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: 0.329+/-0.038 χ^2/NDF: 118667.4/27

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

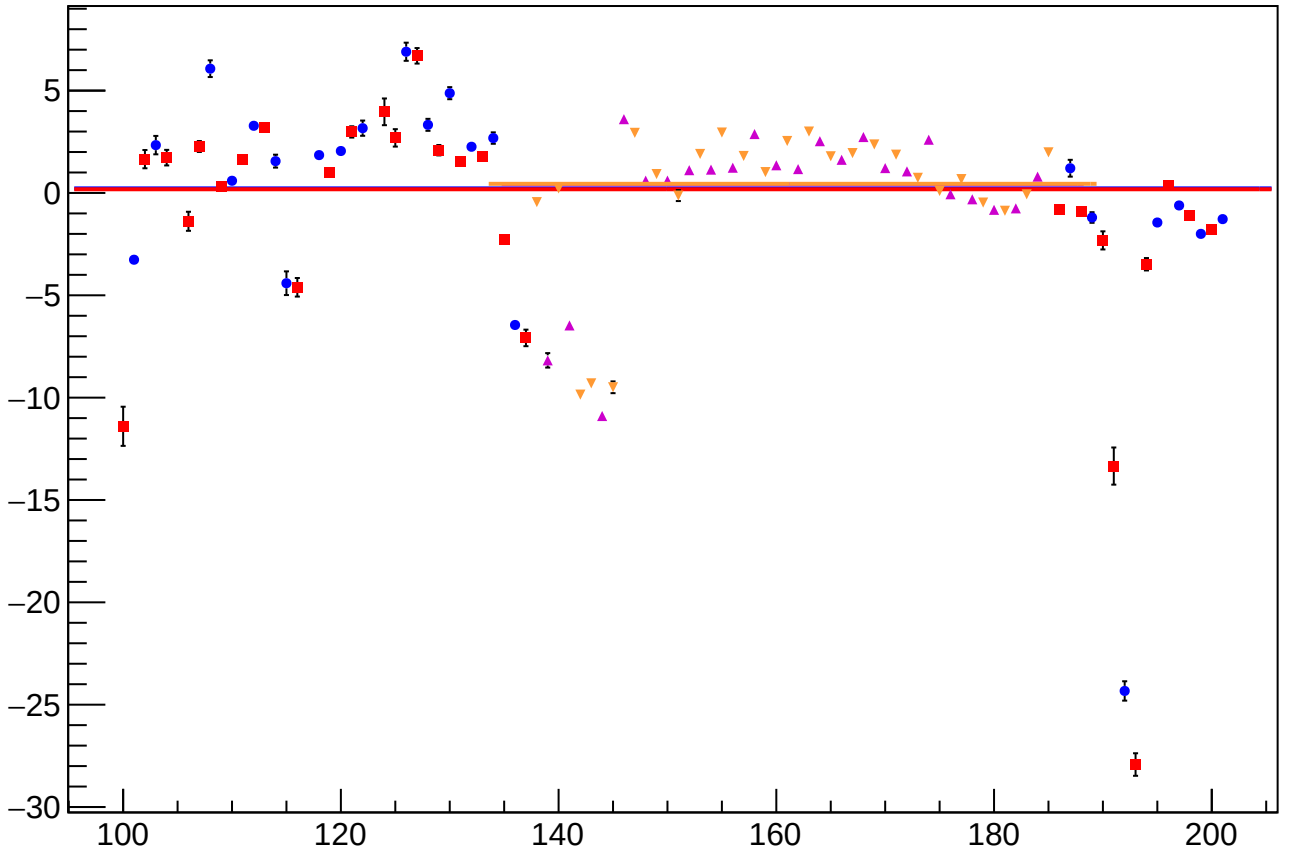
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.087+/-0.029 χ^2/NDF: 236012.1/50

In: 0.428+/-0.030 χ^2/NDF:250169.4/45

Out: 1.285+/-0.028 χ^2/NDF:296964.6/52

All: 0.889+/-0.020 χ^2/NDF: 547574.7/98



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: 0.180+/-0.047 χ^2/NDF: 5027.6/27

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

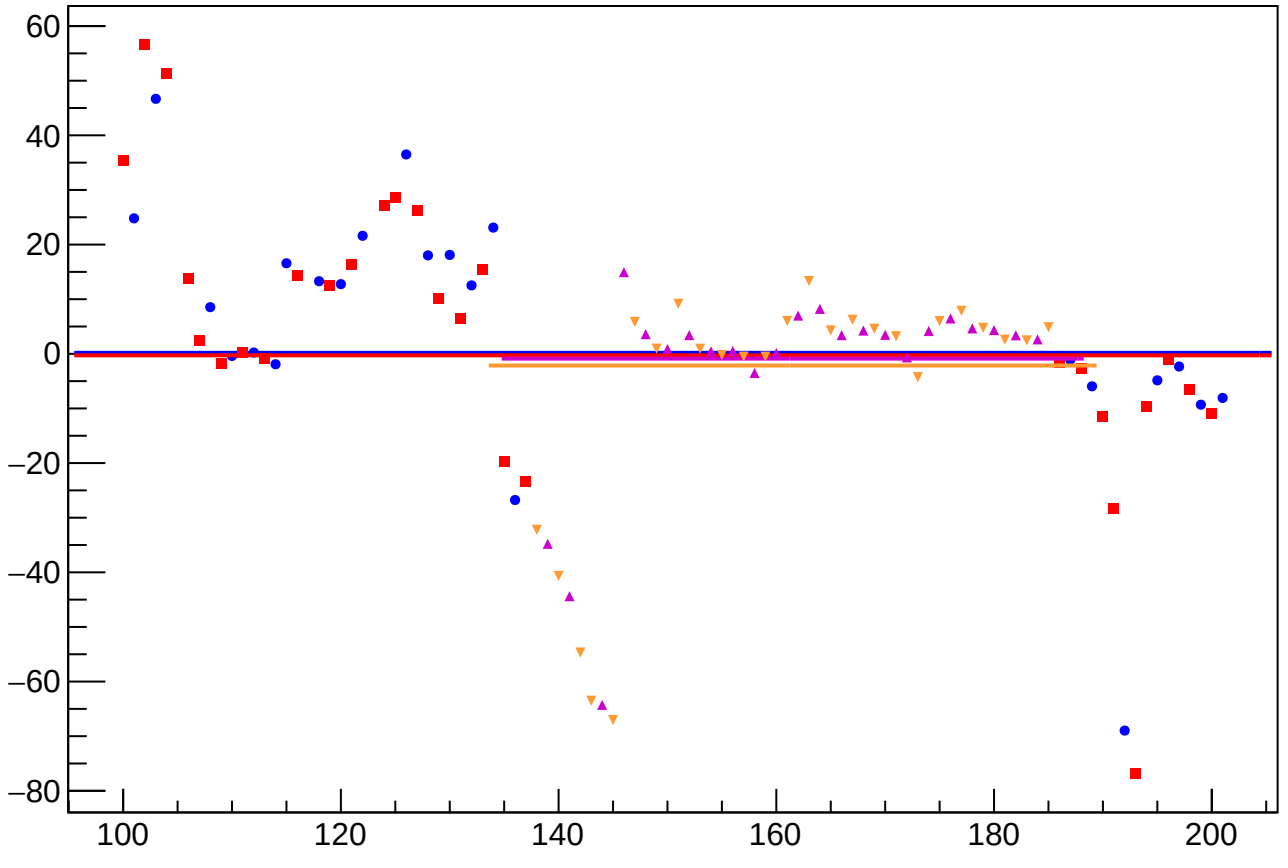
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.200+/-0.034 χ^2/NDF: 10844.7/50

In: 0.370+/-0.027 χ^2/NDF:12931.0/45

Out: 0.359+/-0.027 χ^2/NDF:12093.2/52

All: 0.365+/-0.019 χ^2/NDF: 25024.3/98



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: -0.273+/-0.041 χ^2/NDF: 117194.4/27

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

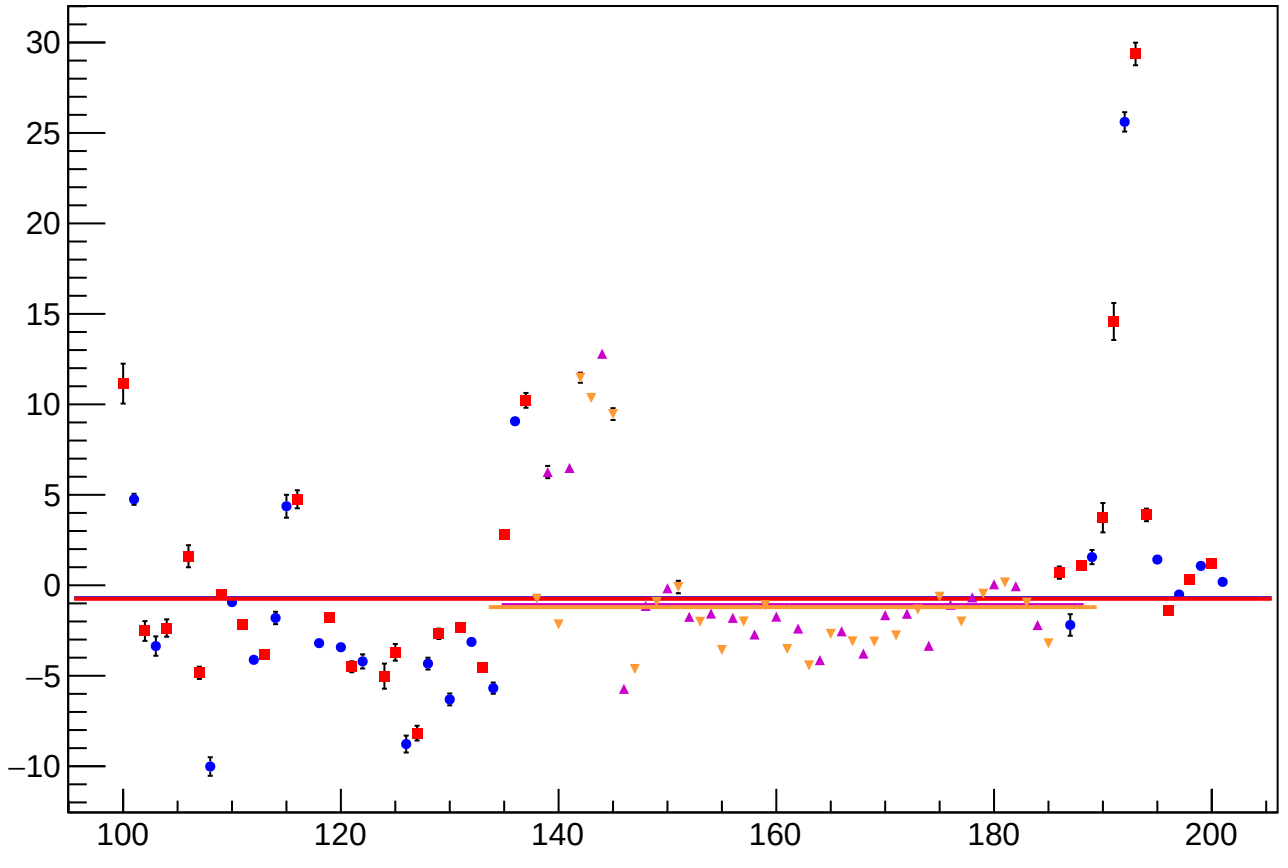
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.077+/-0.031 χ^2/NDF: 233757.9/50

In: -0.445+/-0.030 χ^2/NDF:246008.1/45

Out: -1.229+/-0.029 χ^2/NDF:289521.0/52

All: -0.856+/-0.021 χ^2/NDF: 535882.1/98



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: -0.743+/-0.055 χ^2/NDF: 5573.2/27

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

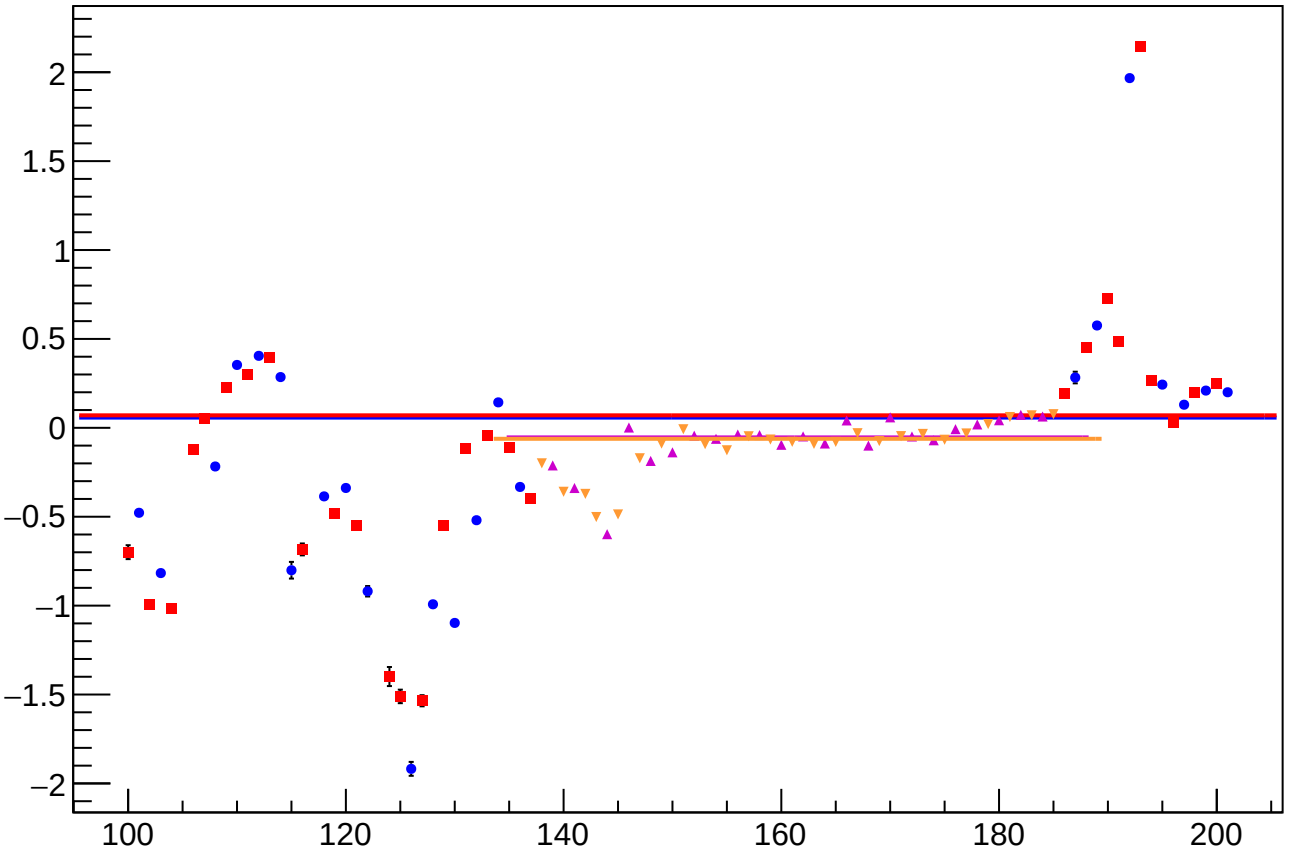
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.729+/-0.040 χ^2/NDF: 12878.2/50

In: -0.995+/-0.030 χ^2/NDF:14365.1/45

Out: -1.067+/-0.030 χ^2/NDF:12625.1/52

All: -1.030+/-0.021 χ^2/NDF: 26993.2/98



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: 0.070+/-0.003 χ^2/NDF: 33886.9/27

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

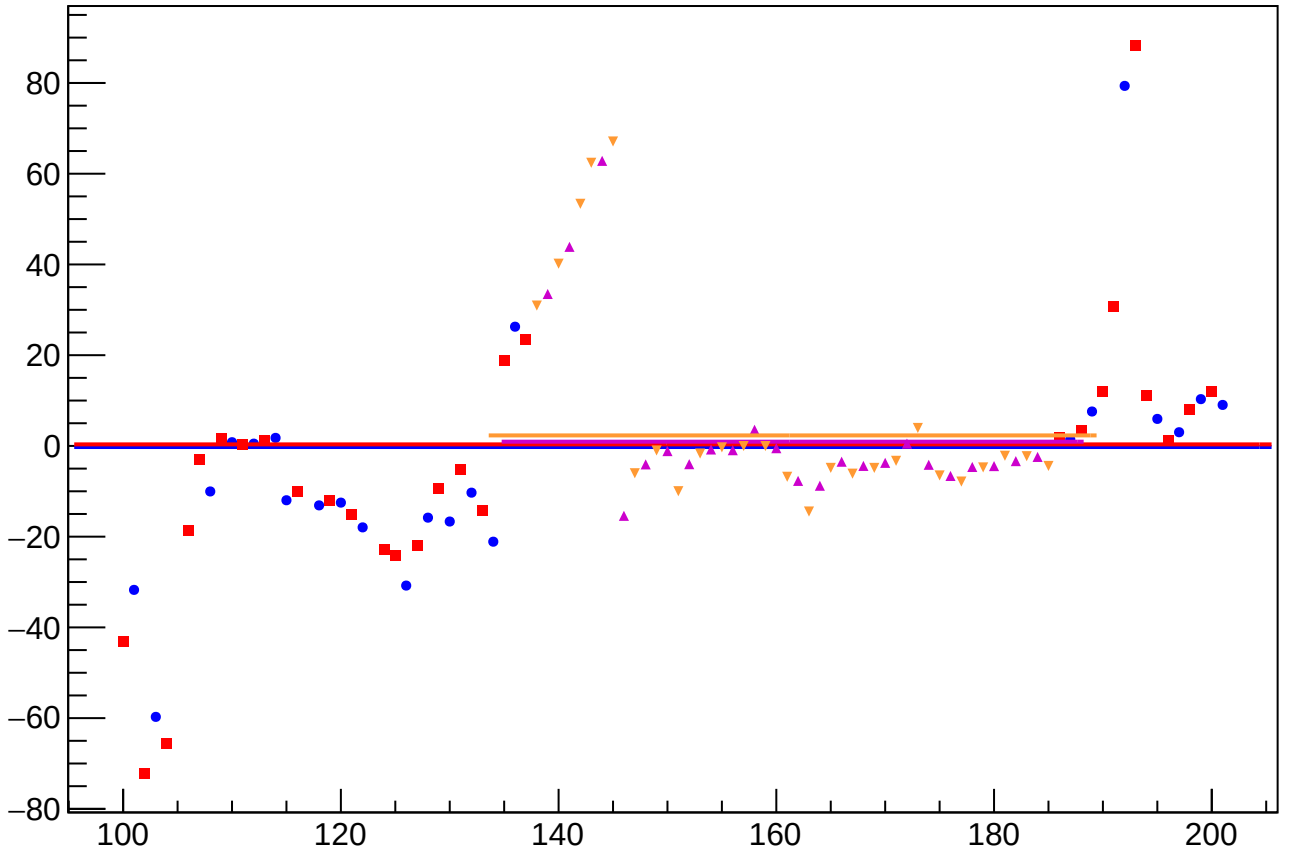
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.064+/-0.002 χ^2/NDF: 67488.4/50

In: -0.027+/-0.001 χ^2/NDF:39950.4/45

Out: -0.026+/-0.001 χ^2/NDF:41447.8/52

All: -0.027+/-0.001 χ^2/NDF: 81398.3/98



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: 0.340+/-0.038 χ^2/NDF: 119147.3/27

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

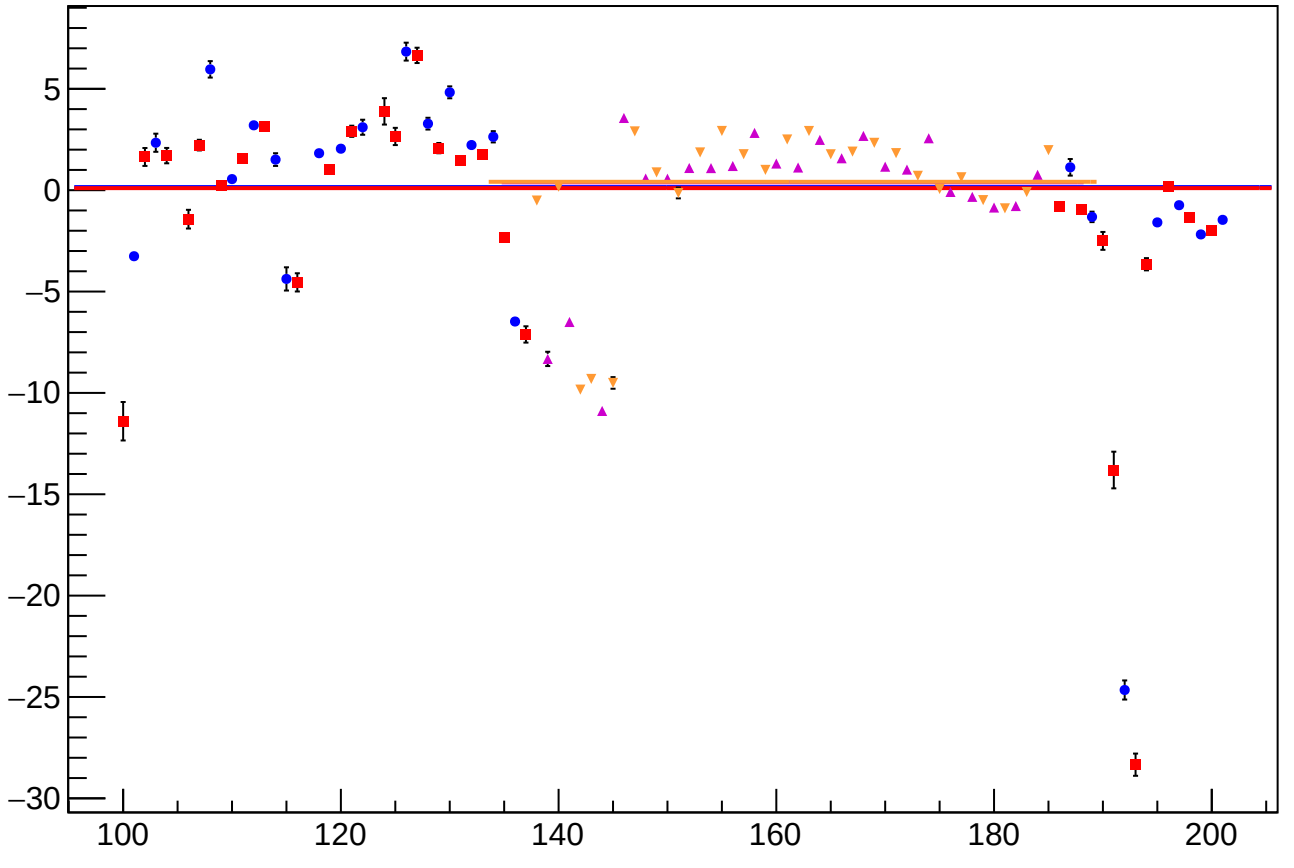
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.097+/-0.029 χ^2/NDF: 236912.3/50

In: 0.418+/-0.030 χ^2/NDF:250456.8/45

Out: 1.276+/-0.028 χ^2/NDF:297172.4/52

All: 0.880+/-0.020 χ^2/NDF: 548075.9/98



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: 0.102+/-0.047 χ^2/NDF: 5191.7/27

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

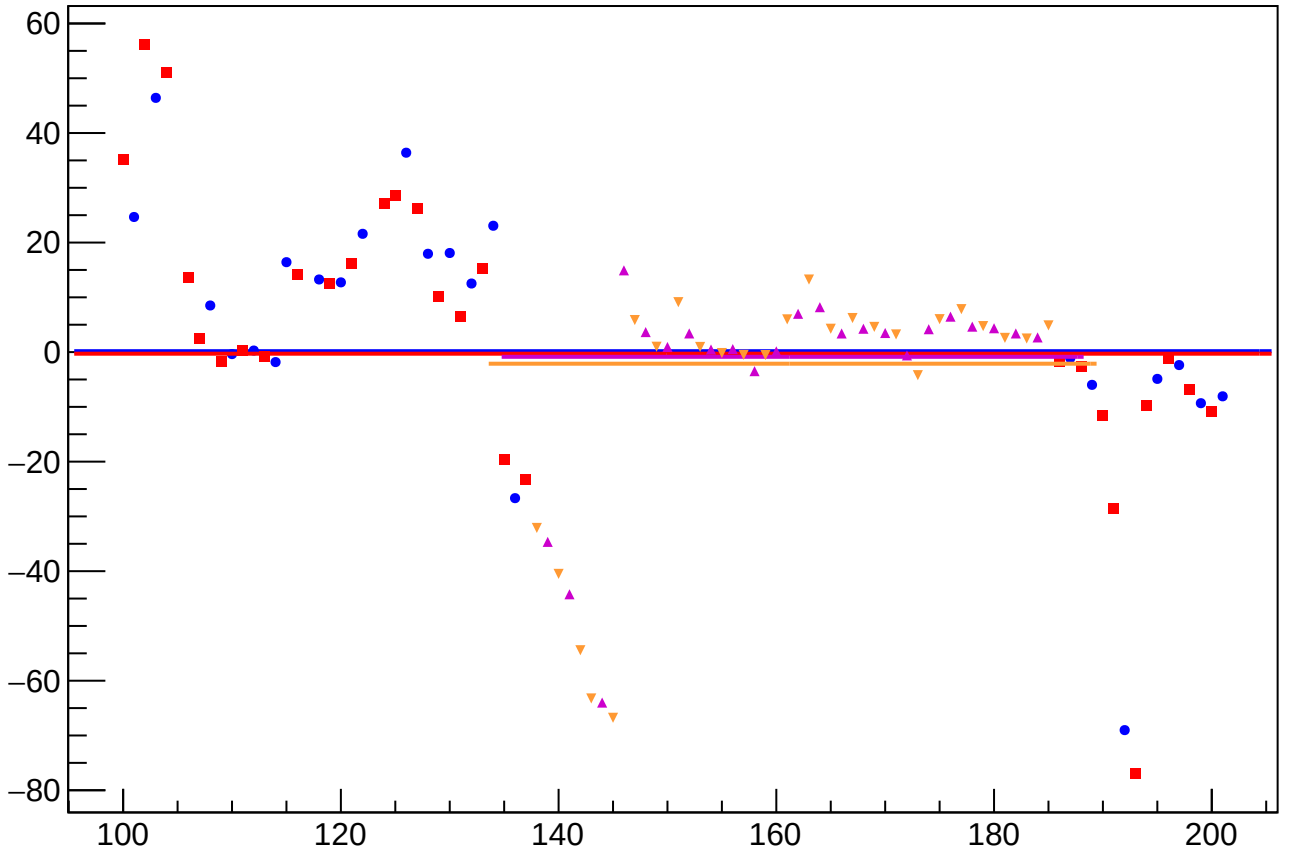
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.126+/-0.034 χ^2/NDF: 11140.3/50

In: 0.322+/-0.027 χ^2/NDF:13078.2/45

Out: 0.312+/-0.027 χ^2/NDF:12268.7/52

All: 0.317+/-0.019 χ^2/NDF: 25347.0/98



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: -0.292+/-0.041 χ^2/NDF: 117664.2/27

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

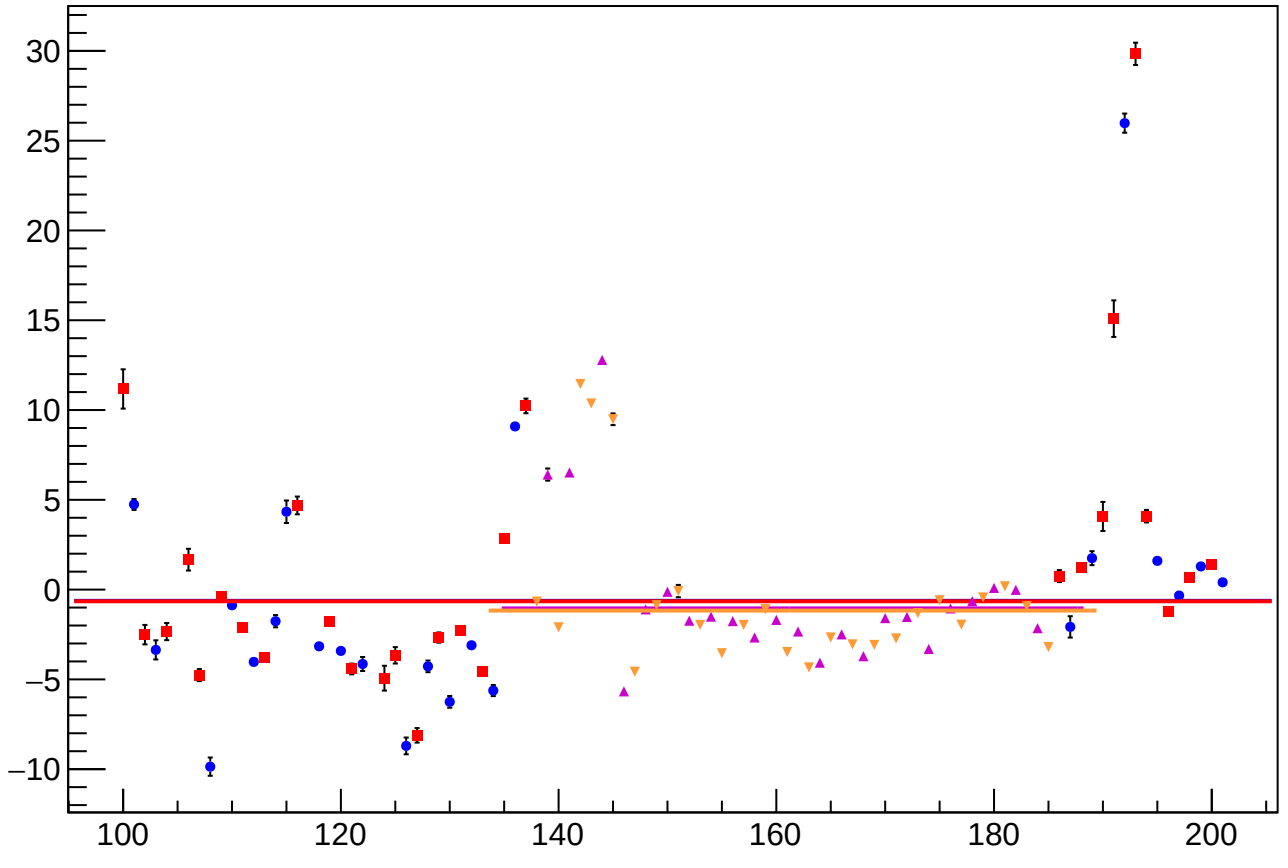
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.094+/-0.031 χ^2/NDF: 234632.0/50

In: -0.436+/-0.030 χ^2/NDF:246279.9/45

Out: -1.222+/-0.029 χ^2/NDF:289722.1/52

All: -0.849+/-0.021 χ^2/NDF: 536360.9/98



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: -0.649+/-0.055 χ^2/NDF: 5727.1/27

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

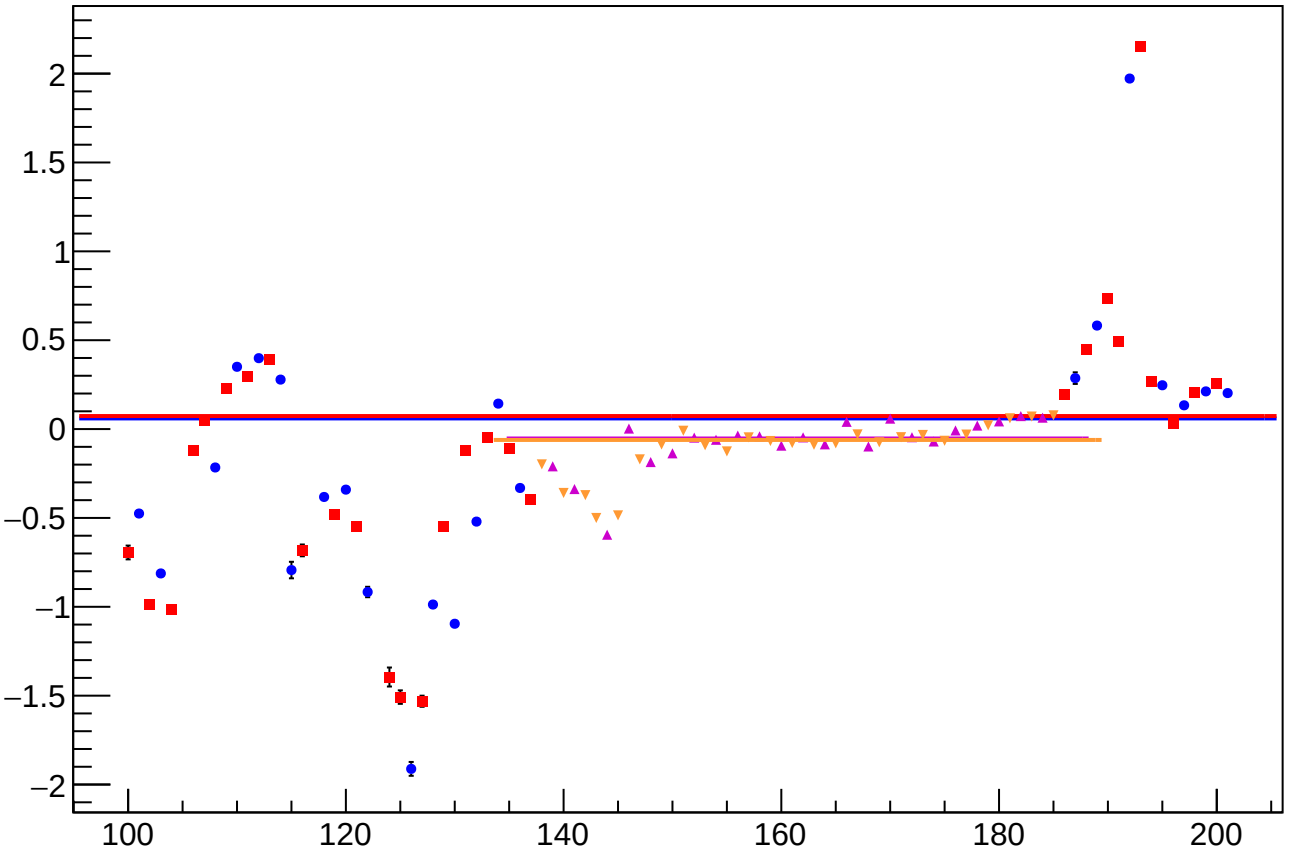
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.638+/-0.040 χ^2/NDF: 13144.3/50

In: -0.938+/-0.030 χ^2/NDF:14496.2/45

Out: -1.011+/-0.030 χ^2/NDF:12790.6/52

All: -0.974+/-0.021 χ^2/NDF: 27289.7/98



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: 0.073+/-0.003 χ^2/NDF: 34197.2/27

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

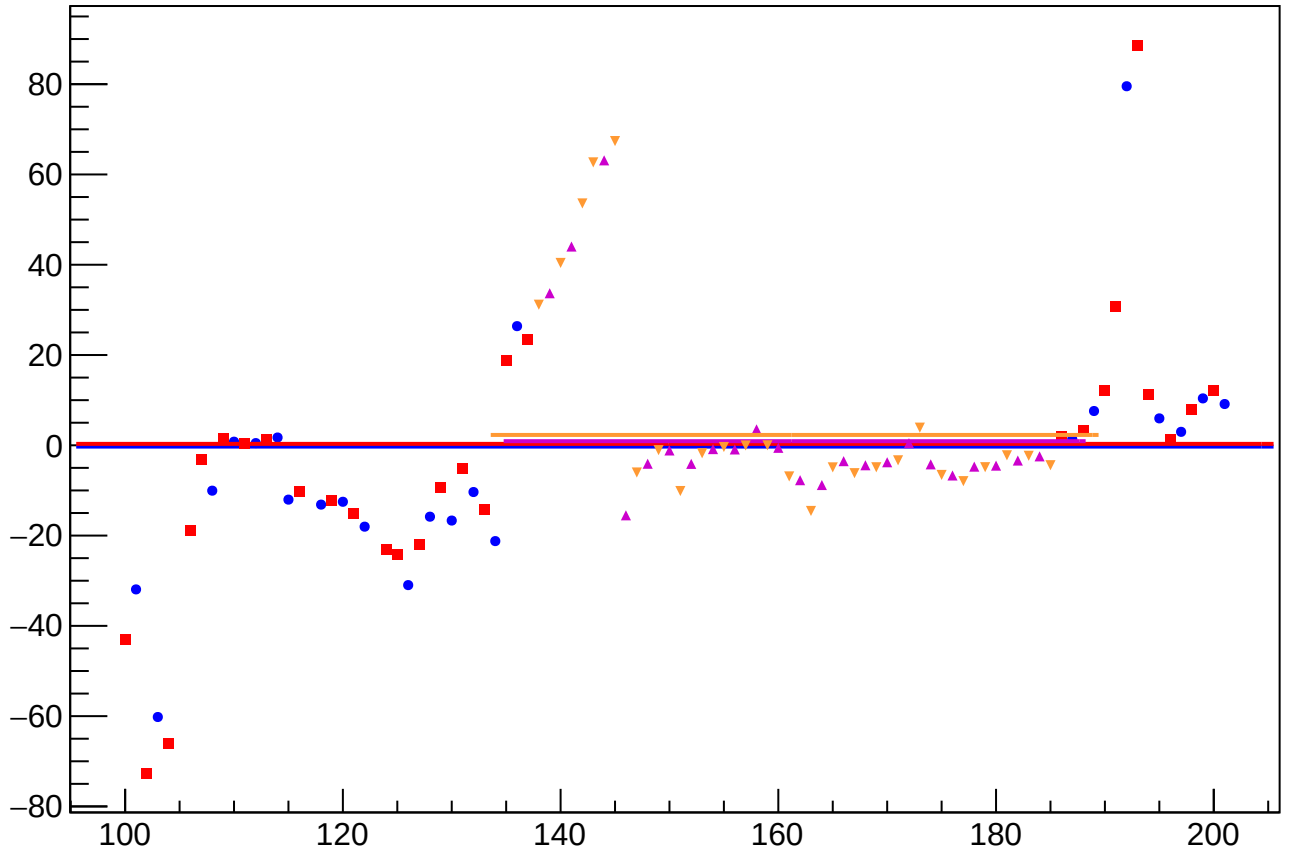
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.067+/-0.002 χ^2/NDF: 68071.2/50

In: -0.026+/-0.001 χ^2/NDF:40246.1/45

Out: -0.025+/-0.001 χ^2/NDF:41863.1/52

All: -0.026+/-0.001 χ^2/NDF: 82109.3/98



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: 0.316+/-0.038 χ^2/NDF: 119179.4/27

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

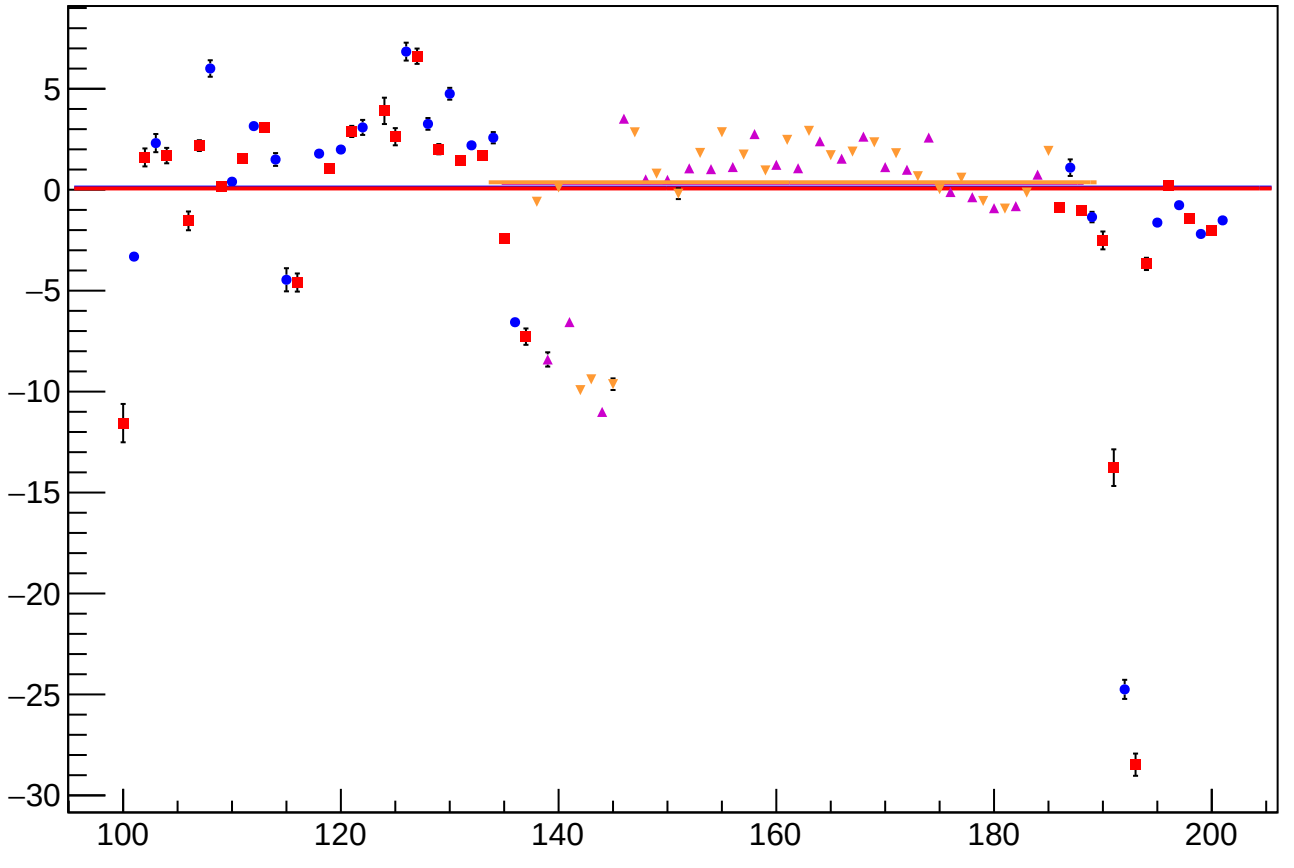
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 0.066+/-0.029 χ^2/NDF: 236973.2/50

In: 0.388+/-0.030 χ^2/NDF:250657.8/45

Out: 1.254+/-0.028 χ^2/NDF:297635.6/52

All: 0.854+/-0.020 χ^2/NDF: 548743.4/98



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: 0.063+/-0.047 χ^2/NDF: 5189.6/27

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

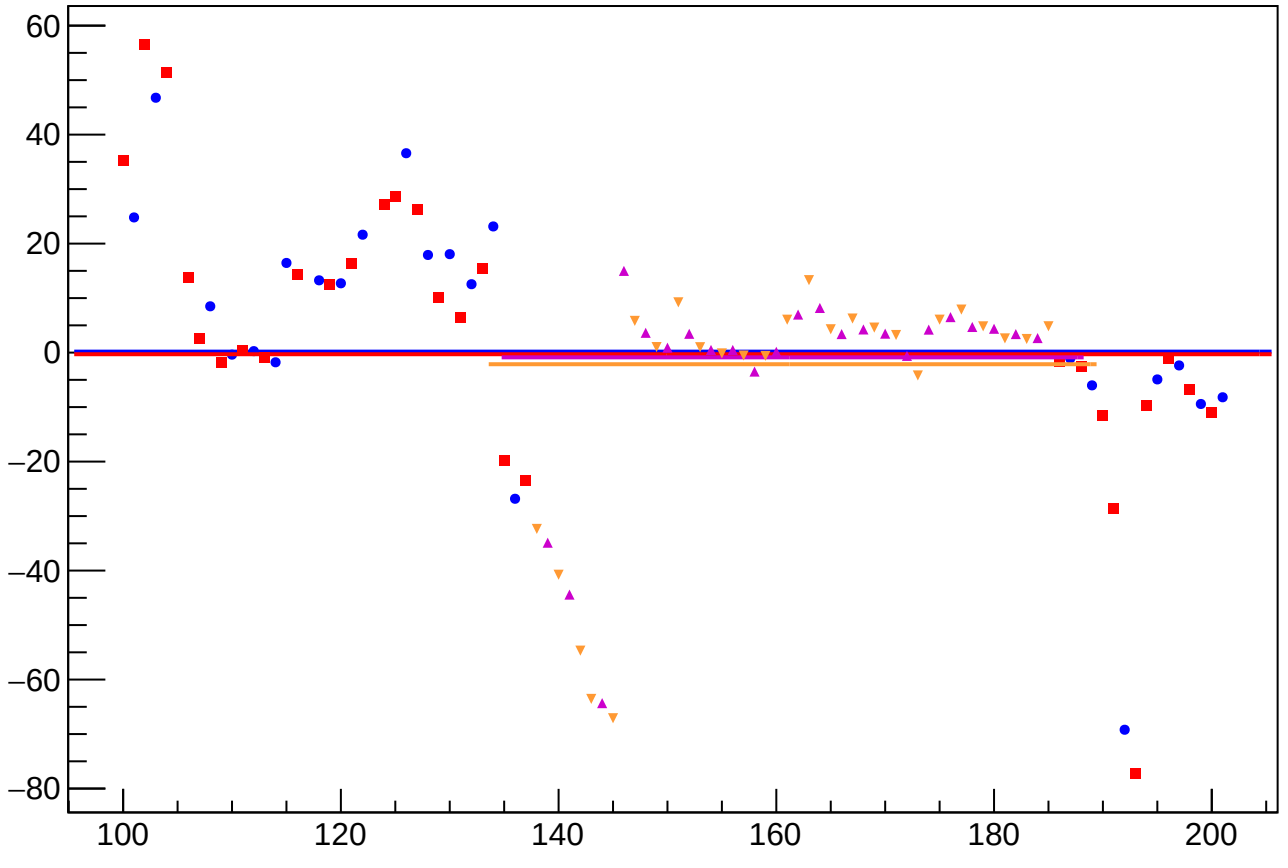
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.083+/-0.034 χ^2/NDF: 11122.2/50

In: 0.272+/-0.027 χ^2/NDF:13041.6/45

Out: 0.268+/-0.027 χ^2/NDF:12285.7/52

All: 0.270+/-0.019 χ^2/NDF: 25327.2/98



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: -0.299+/-0.041 χ^2/NDF: 117718.6/27

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

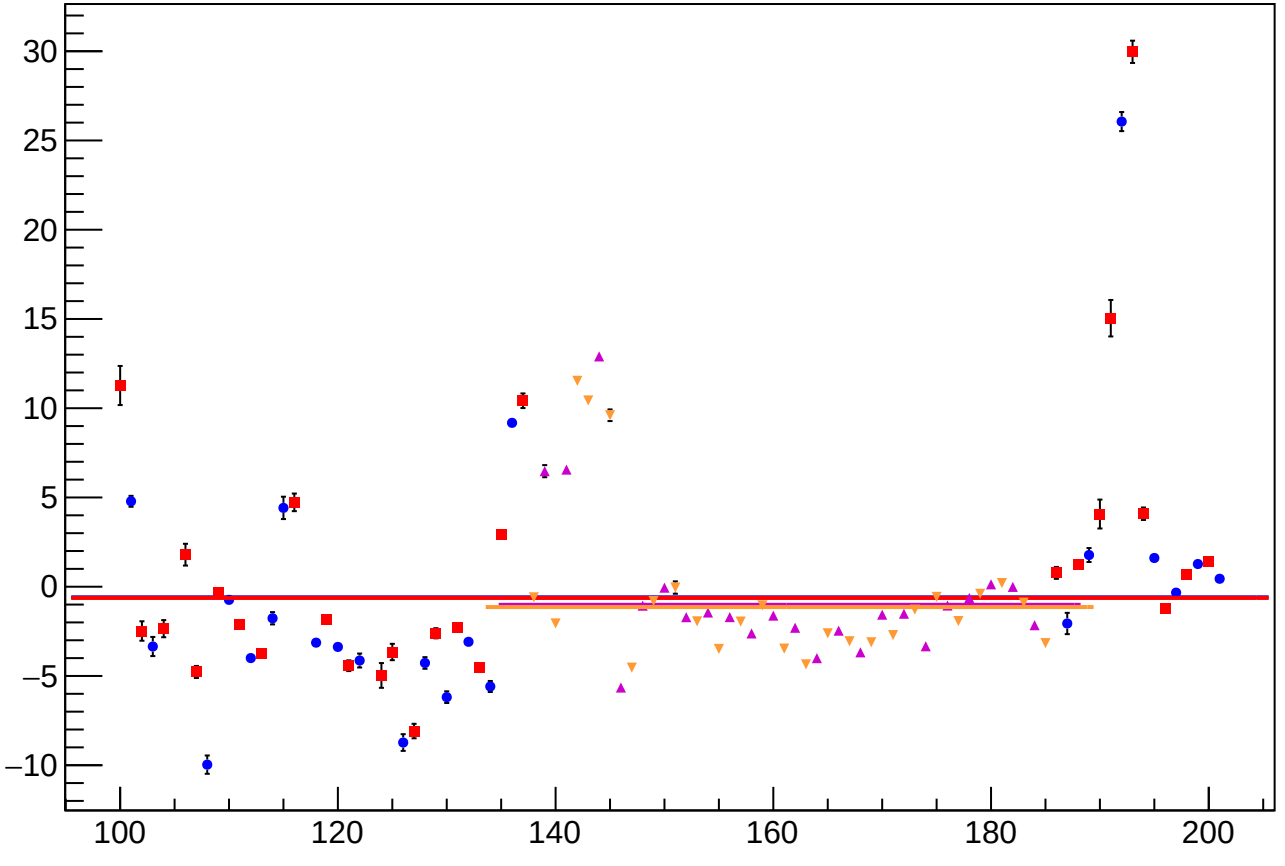
Right: -0.094+/-0.031 χ^2/NDF: 234729.5/50

In: -0.440+/-0.030 χ^2/NDF:246507.7/45

Out: -1.232+/-0.029 χ^2/NDF:290203.6/52

All: -0.856+/-0.021 χ^2/NDF: 537071.6/98

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.628+/-0.055 χ^2/NDF: 5736.1/27

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

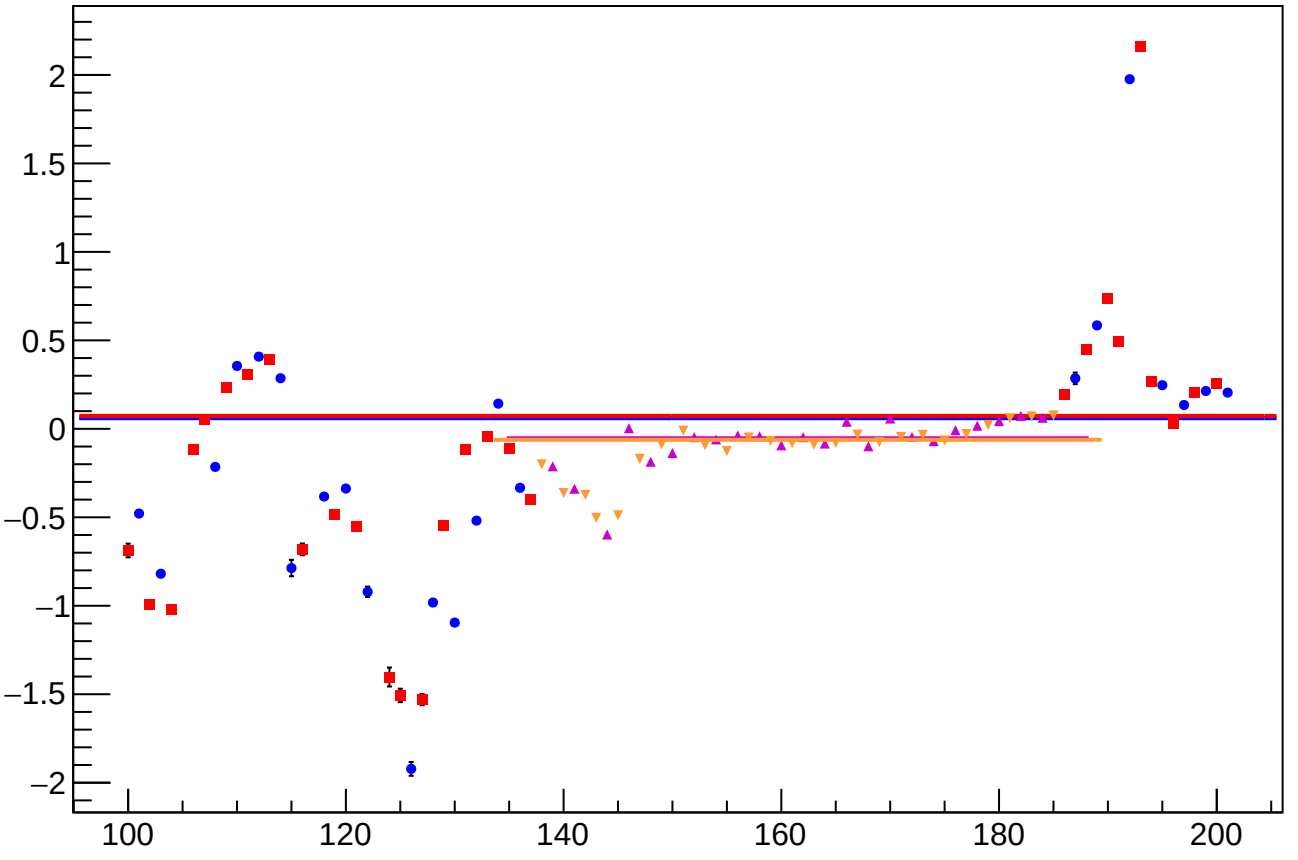
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.612+/-0.040 χ^2/NDF: 13145.8/50

In: -0.905+/-0.030 χ^2/NDF:14474.1/45

Out: -0.985+/-0.030 χ^2/NDF:12819.0/52

All: -0.944+/-0.021 χ^2/NDF: 27296.7/98



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: 0.073+/-0.003 χ^2/NDF: 34156.3/27

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

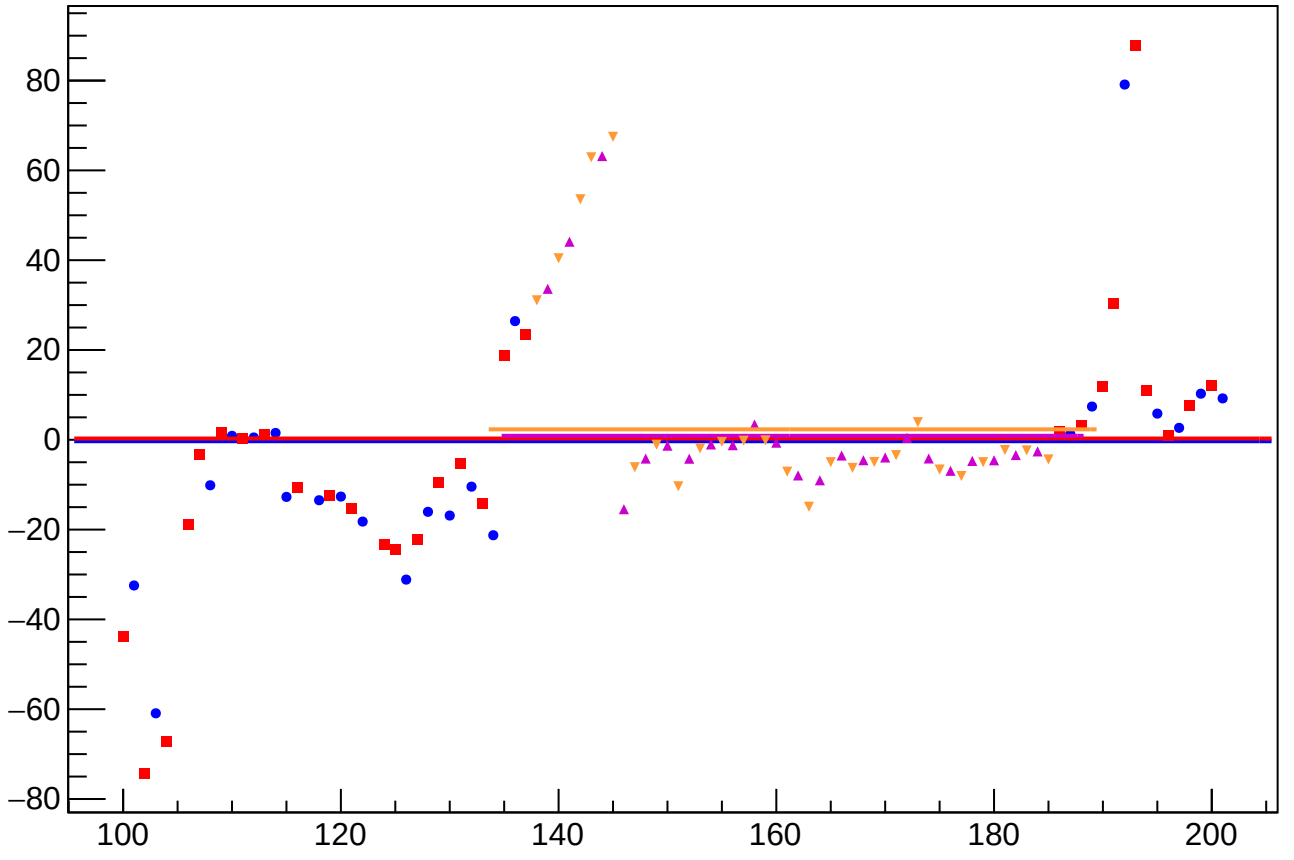
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.067+/-0.002 χ^2/NDF: 68028.8/50

In: -0.026+/-0.001 χ^2/NDF:40225.9/45

Out: -0.026+/-0.001 χ^2/NDF:41831.3/52

All: -0.026+/-0.001 χ^2/NDF: 82057.3/98



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: 0.281+/-0.039 χ^2/NDF: 117567.2/27

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

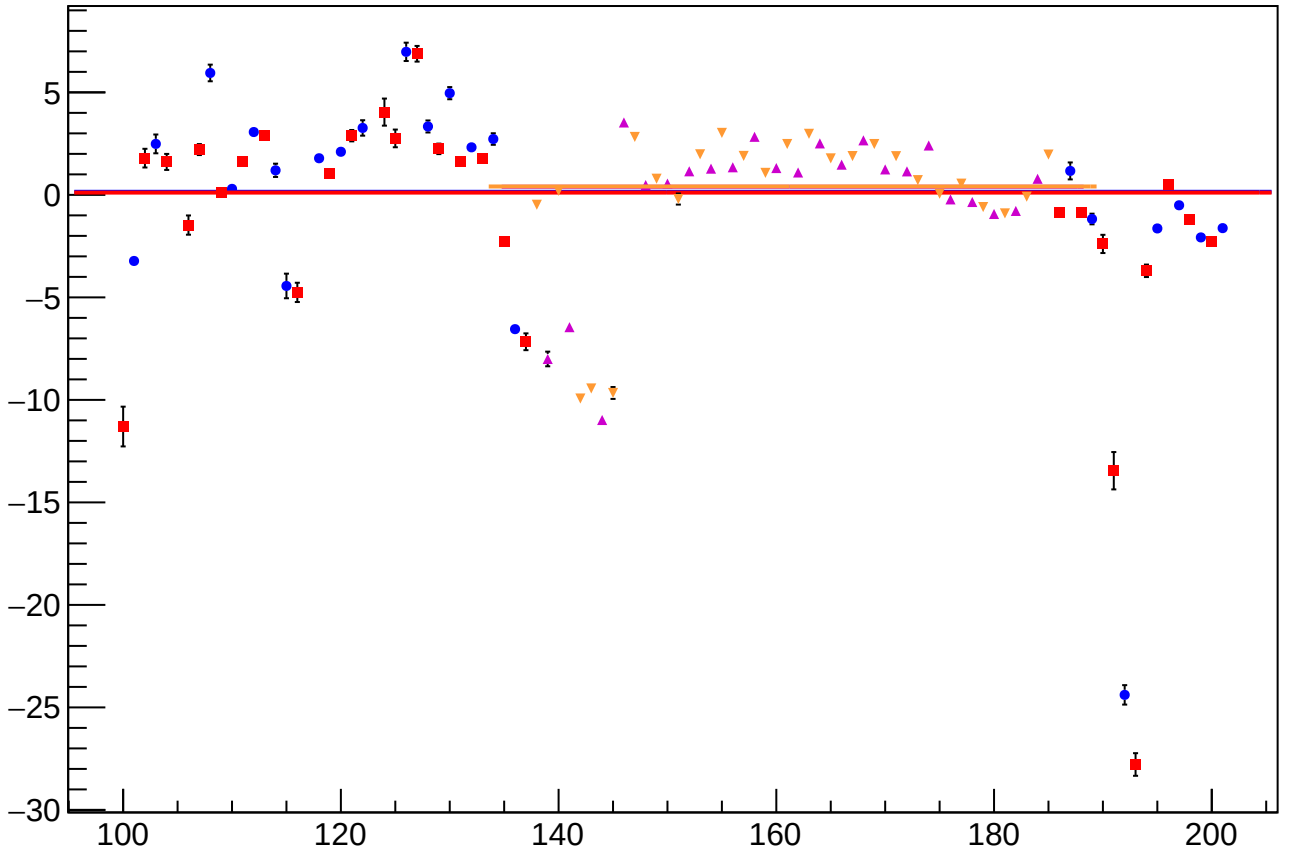
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.031+/-0.030 χ^2/NDF: 233556.0/50

In: 0.356+/-0.030 χ^2/NDF:246692.0/45

Out: 1.250+/-0.028 χ^2/NDF:293524.0/52

All: 0.837+/-0.021 χ^2/NDF: 540678.6/98



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: 0.111+/-0.048 χ^2/NDF: 4988.5/27

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

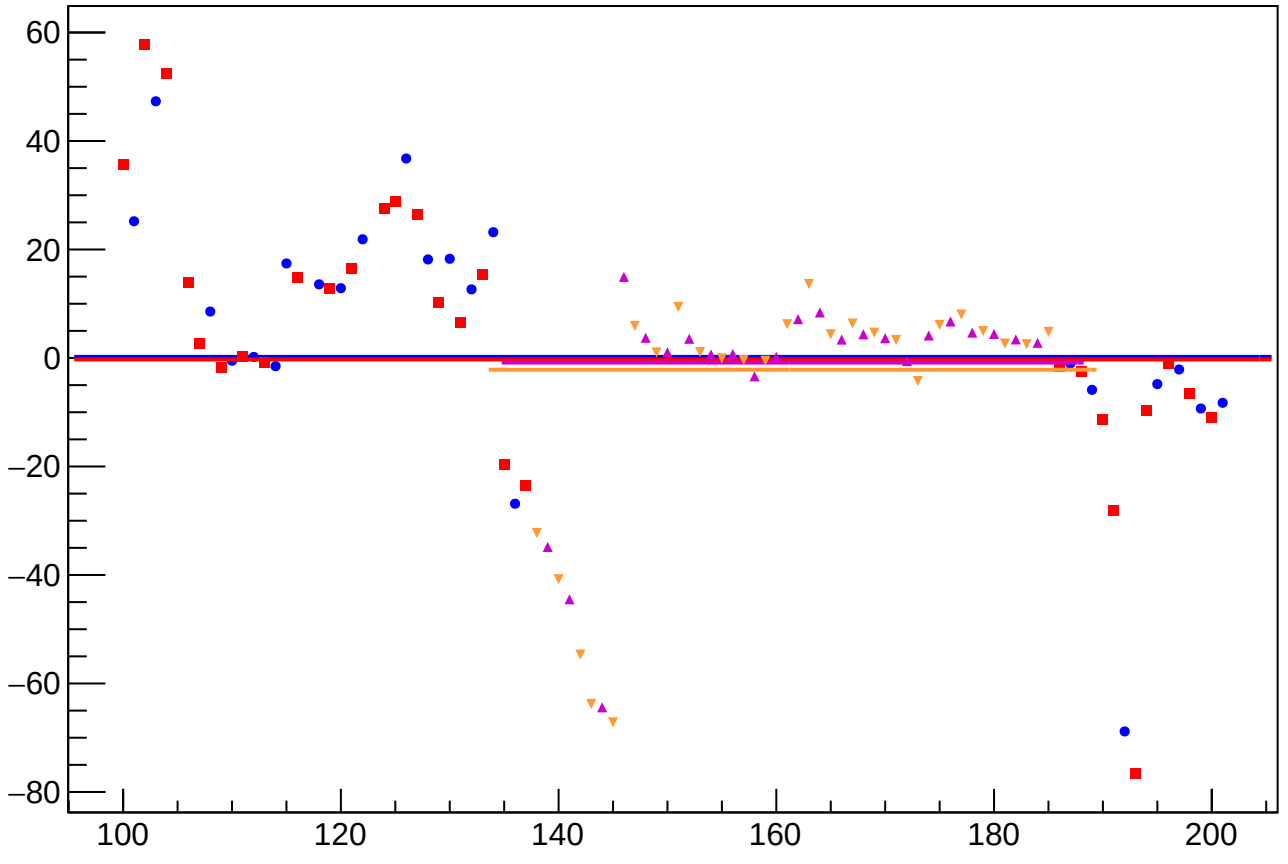
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.130+/-0.035 χ^2/NDF: 10765.9/50

In: 0.326+/-0.027 χ^2/NDF:12725.7/45

Out: 0.312+/-0.027 χ^2/NDF:12062.6/52

All: 0.319+/-0.019 χ^2/NDF: 24788.4/98



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: -0.272+/-0.042 χ^2/NDF: 116116.7/27

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

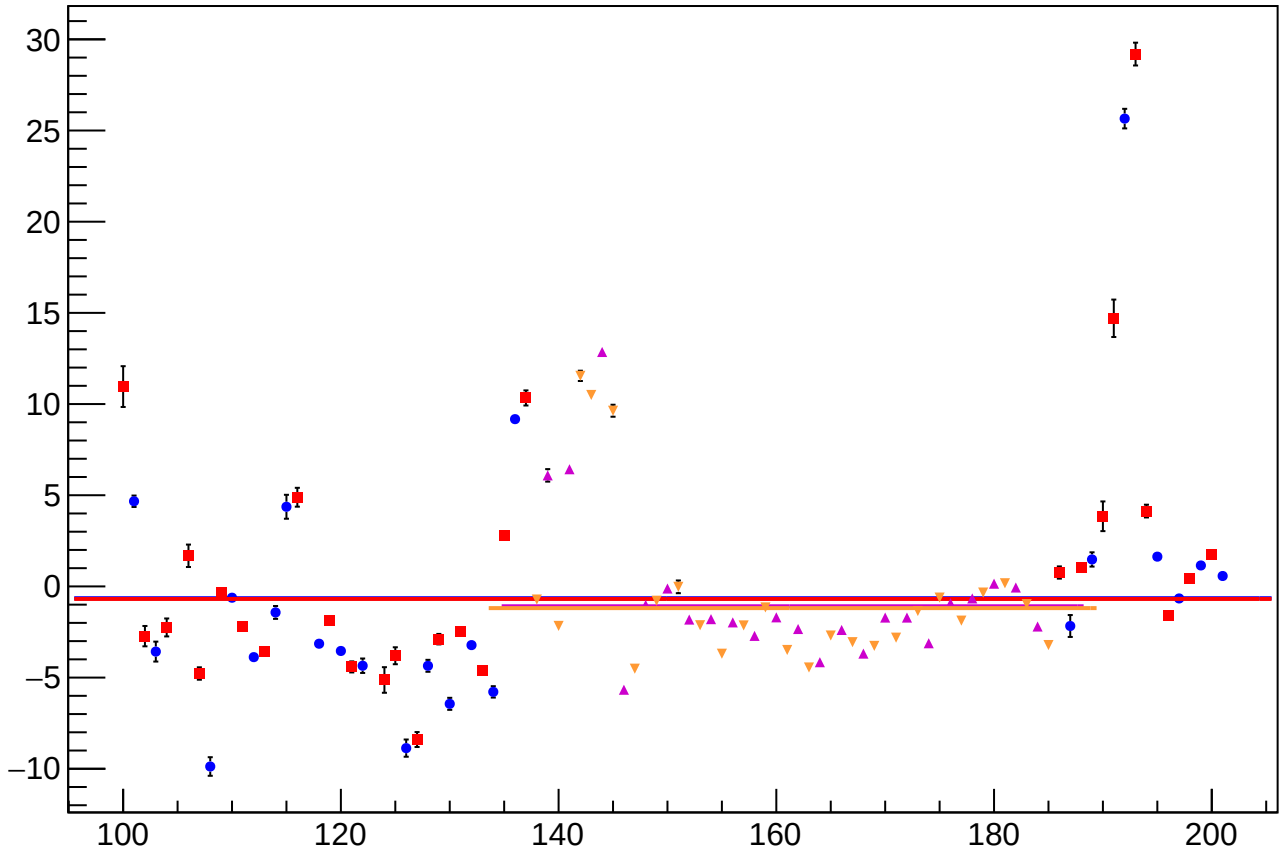
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.068+/-0.031 χ^2/NDF: 231352.1/50

In: -0.409+/-0.031 χ^2/NDF:242594.9/45

Out: -1.228+/-0.029 χ^2/NDF:286155.8/52

All: -0.840+/-0.021 χ^2/NDF: 529124.0/98



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: -0.687+/-0.056 χ^2/NDF: 5541.3/27

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

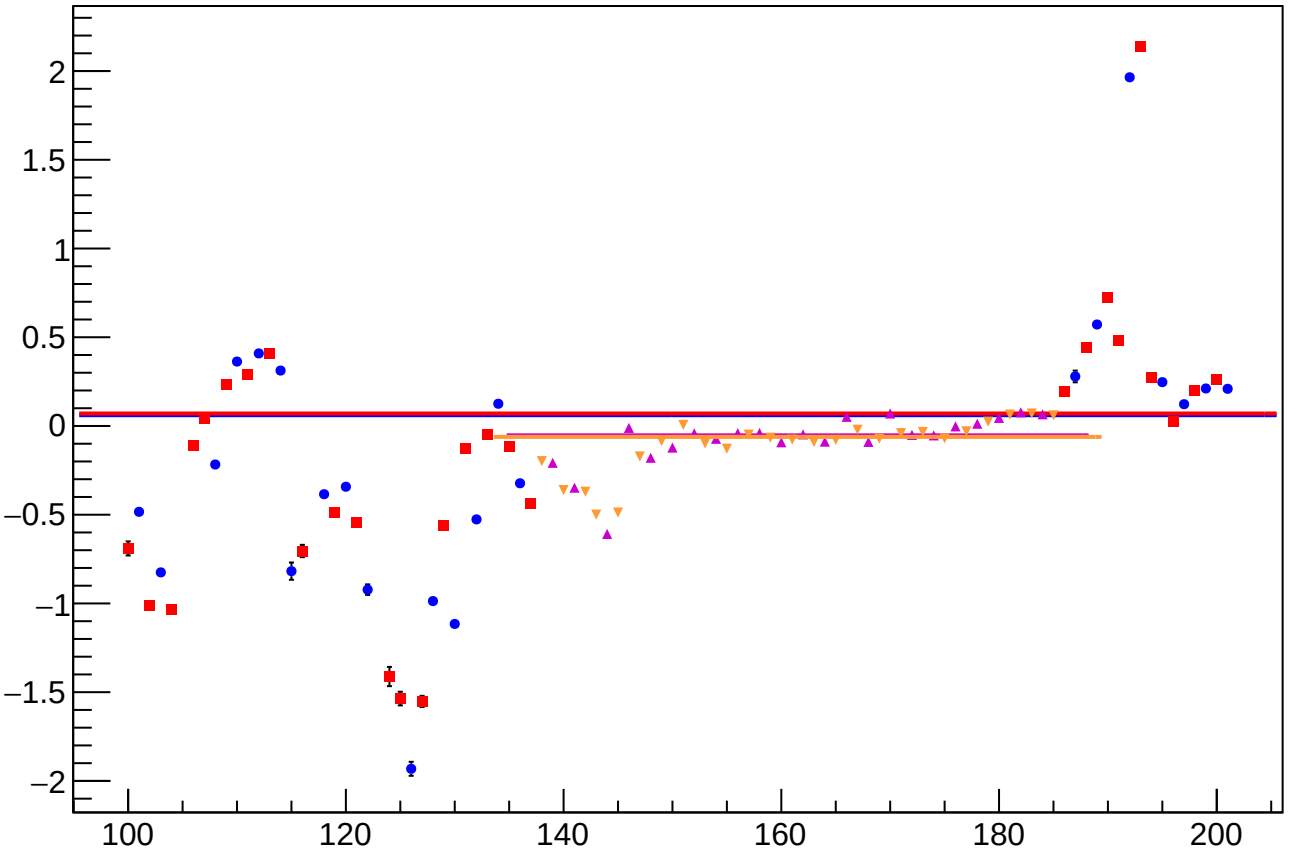
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.668+/-0.041 χ^2/NDF: 12794.5/50

In: -0.973+/-0.031 χ^2/NDF:14134.2/45

Out: -1.038+/-0.031 χ^2/NDF:12593.3/52

All: -1.005+/-0.022 χ^2/NDF: 26729.7/98



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: 0.070+/-0.003 χ^2/NDF: 33713.1/27

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

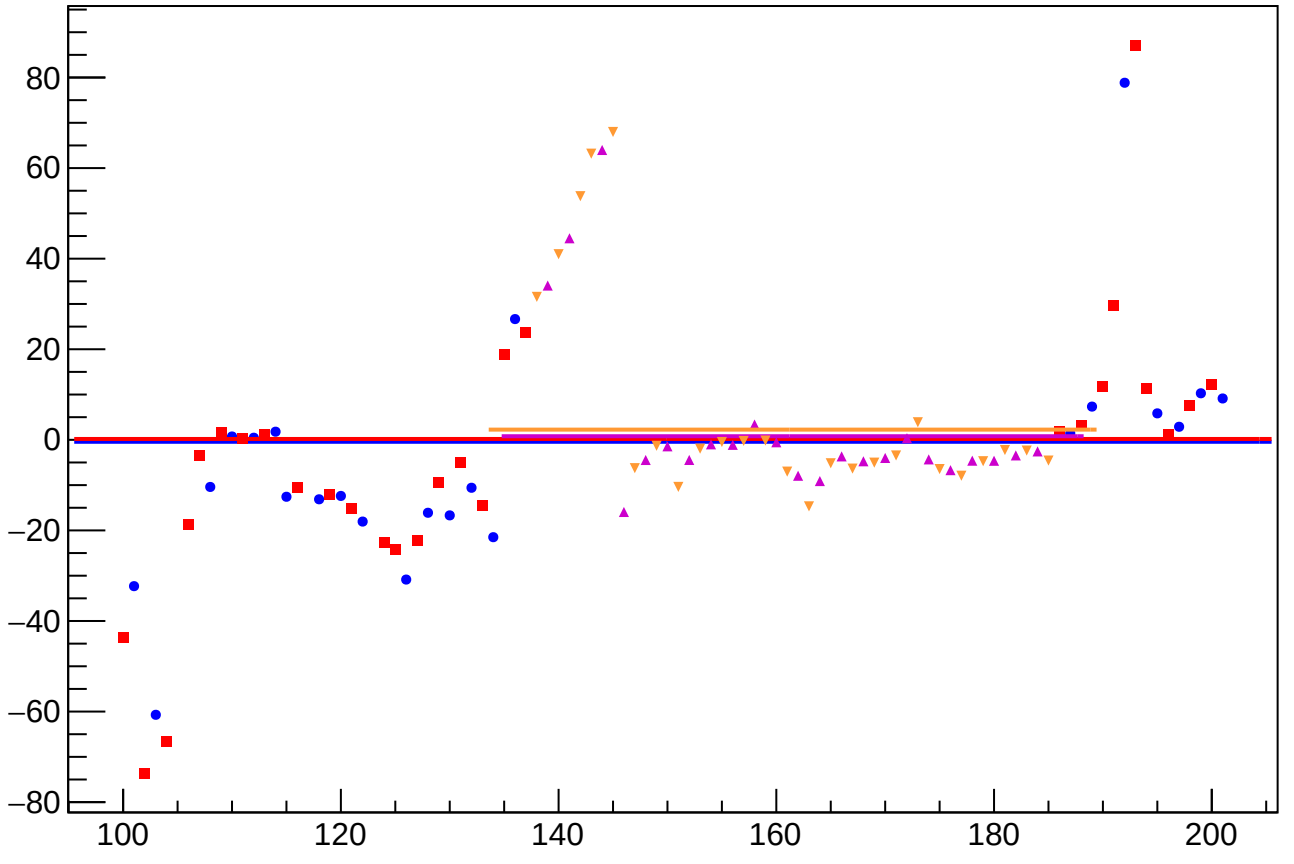
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.066+/-0.002 χ^2/NDF: 66871.3/50

In: -0.025+/-0.001 χ^2/NDF:39526.4/45

Out: -0.026+/-0.001 χ^2/NDF:41076.3/52

All: -0.026+/-0.001 χ^2/NDF: 80602.8/98



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: 0.190+/-0.040 χ^2/NDF: 115383.1/27

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

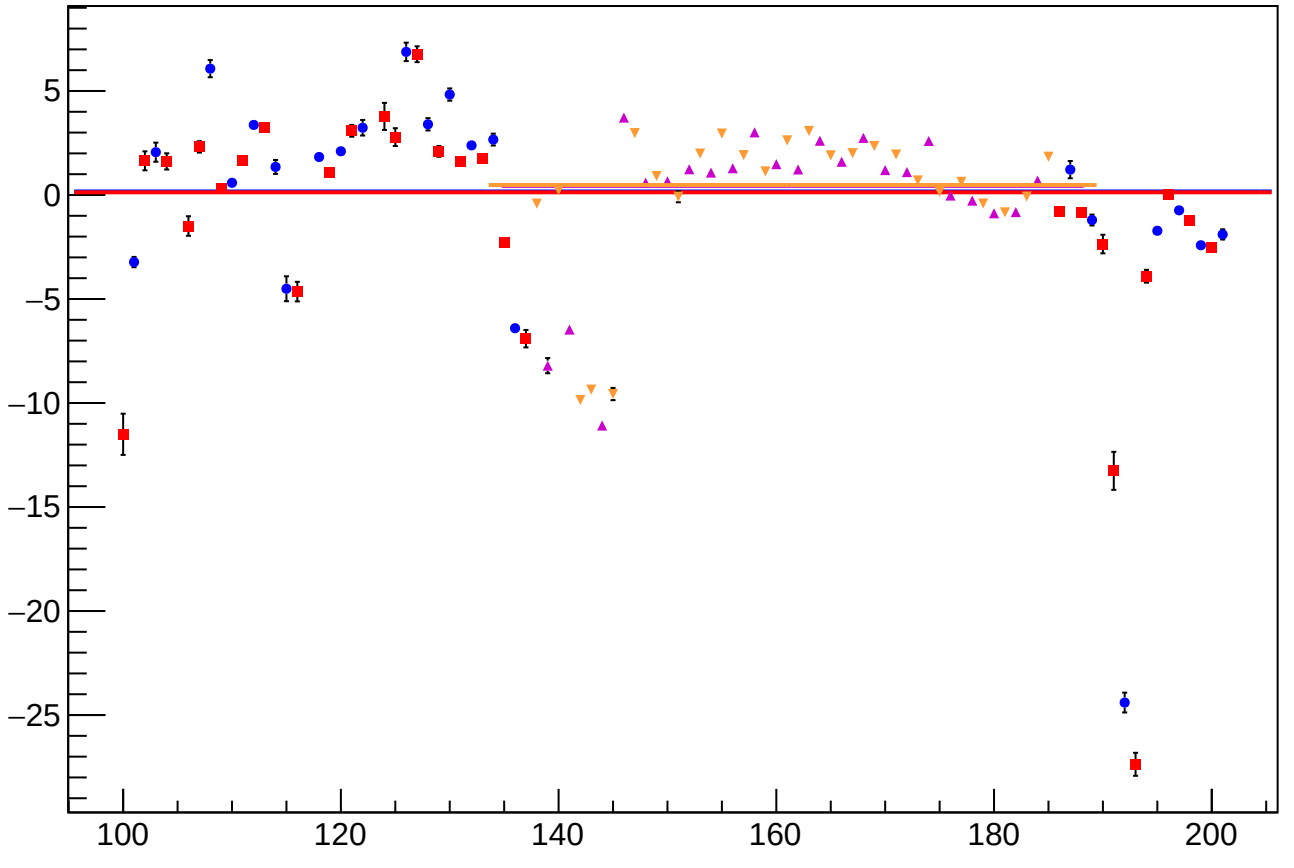
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -0.071+/-0.030 χ^2/NDF: 229630.8/50

In: 0.258+/-0.031 χ^2/NDF:243360.2/45

Out: 1.179+/-0.029 χ^2/NDF:288344.2/52

All: 0.752+/-0.021 χ^2/NDF: 532181.0/98



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: 0.129+/-0.048 χ^2/NDF: 4902.6/27

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

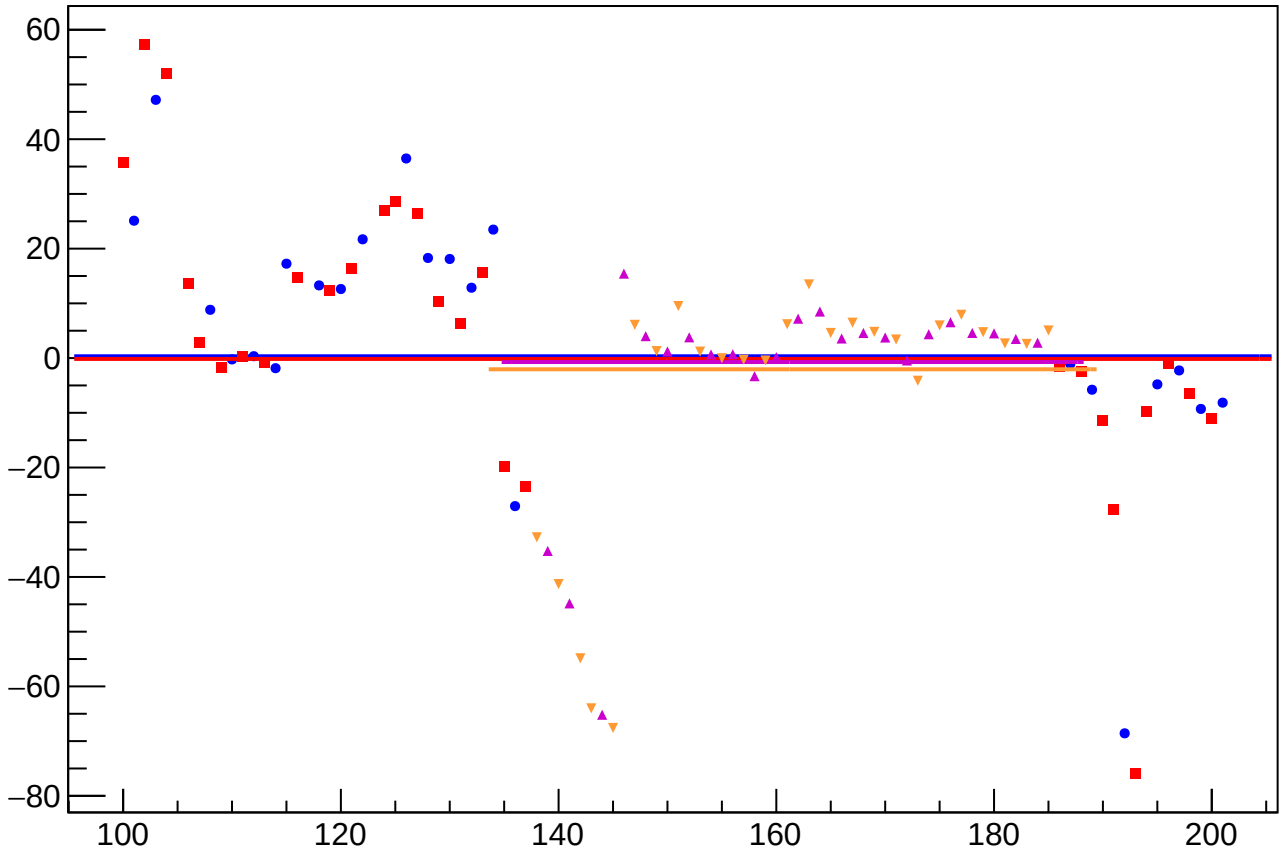
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.147+/-0.035 χ^2/NDF: 10668.9/50

In: 0.362+/-0.027 χ^2/NDF:12679.6/45

Out: 0.364+/-0.028 χ^2/NDF:11745.8/52

All: 0.363+/-0.019 χ^2/NDF: 24425.4/98



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: -0.153+/-0.042 χ^2/NDF: 113955.2/27

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

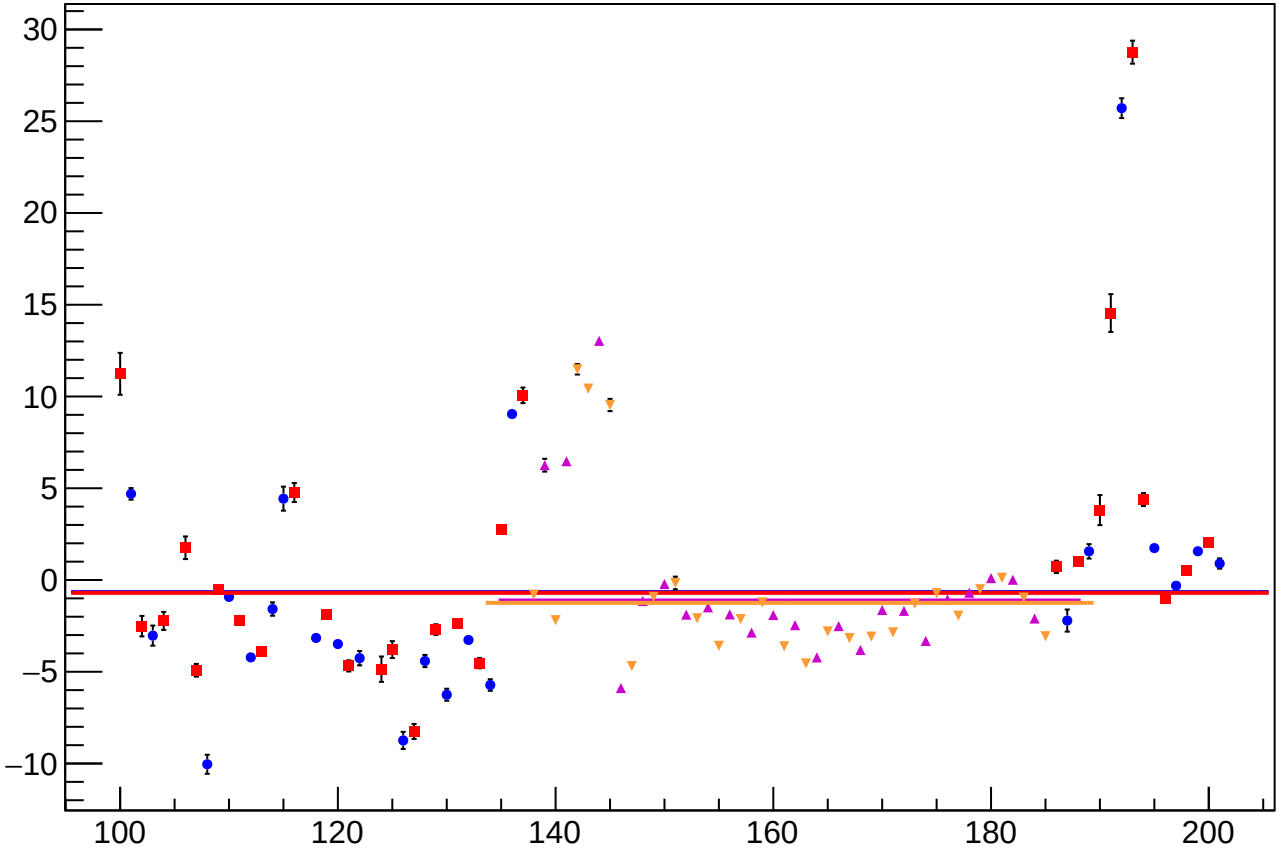
Right: 0.055+/-0.032 χ^2/NDF: 227440.7/50

In: -0.287+/-0.031 χ^2/NDF:239236.2/45

Out: -1.119+/-0.030 χ^2/NDF:280994.3/52

All: -0.724+/-0.021 χ^2/NDF: 520606.2/98

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: -0.699+/-0.057 χ^2/NDF: 5409.0/27

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

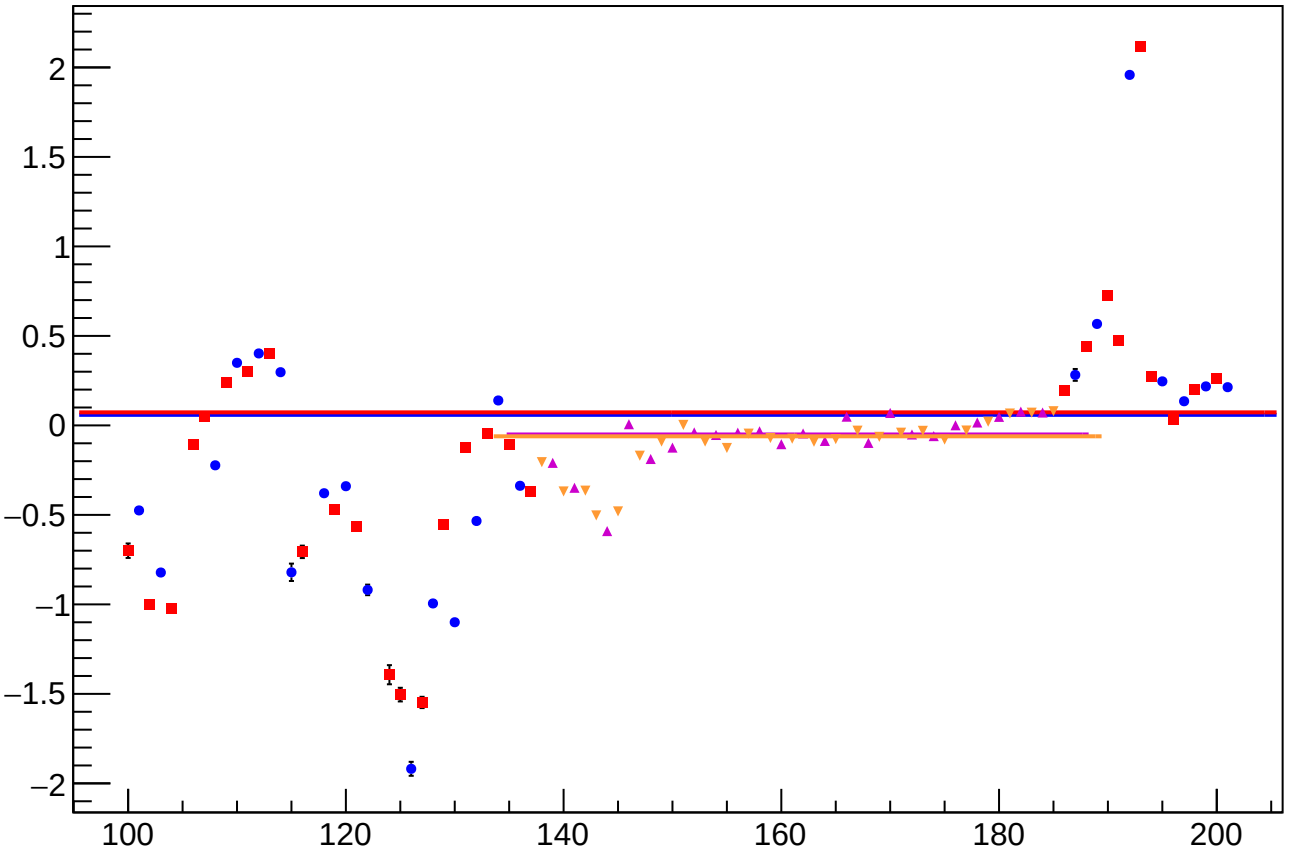
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.679+/-0.041 χ^2/NDF: 12558.3/50

In: -0.996+/-0.031 χ^2/NDF:14032.3/45

Out: -1.080+/-0.031 χ^2/NDF:12241.8/52

All: -1.038+/-0.022 χ^2/NDF: 26277.8/98



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: 0.073+/-0.003 χ^2/NDF: 32821.4/27

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

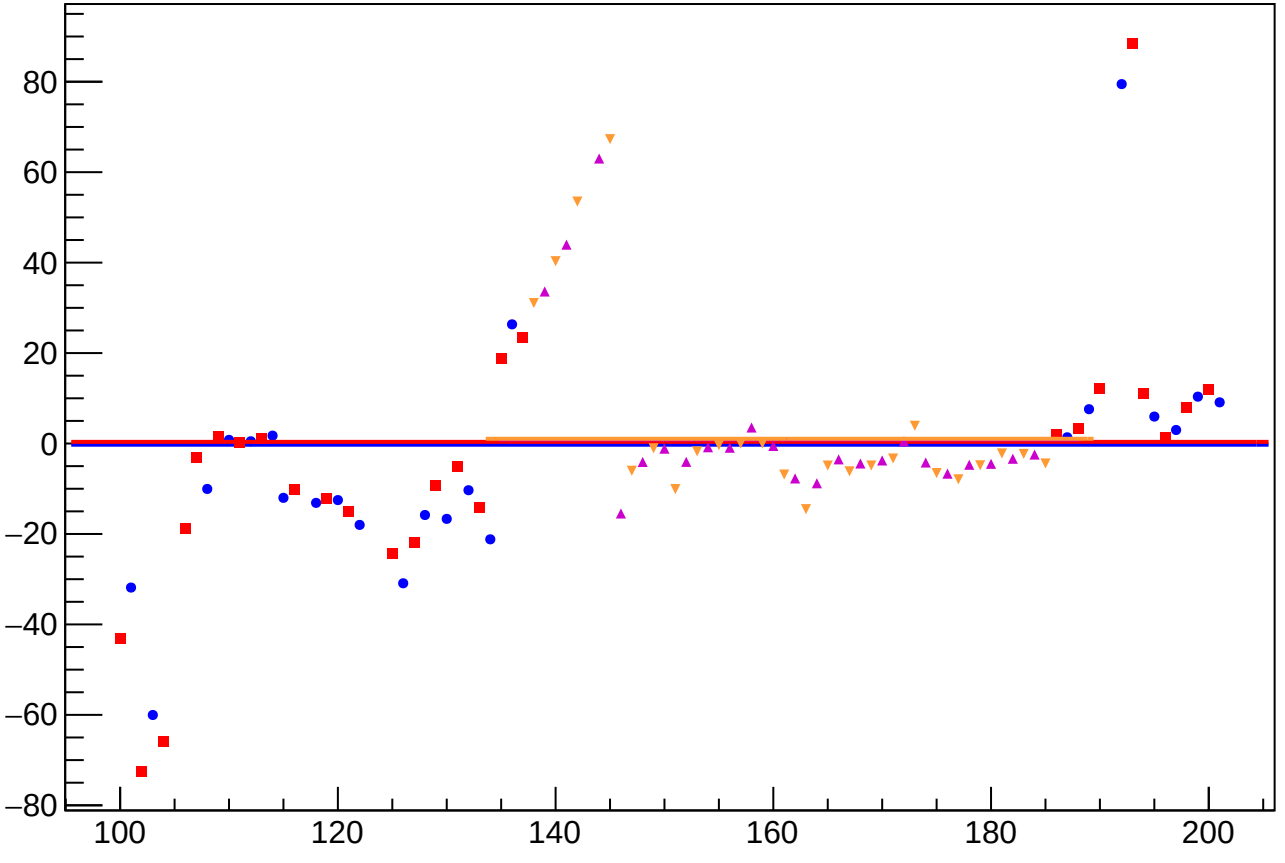
Right: 0.066+/-0.002 χ^2/NDF: 65634.7/50

In: -0.024+/-0.001 χ^2/NDF:38902.5/45

Out: -0.025+/-0.001 χ^2/NDF:40097.2/52

All: -0.025+/-0.001 χ^2/NDF: 78999.9/98

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: 0.370+/-0.038 χ^2/NDF: 116507.9/25

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

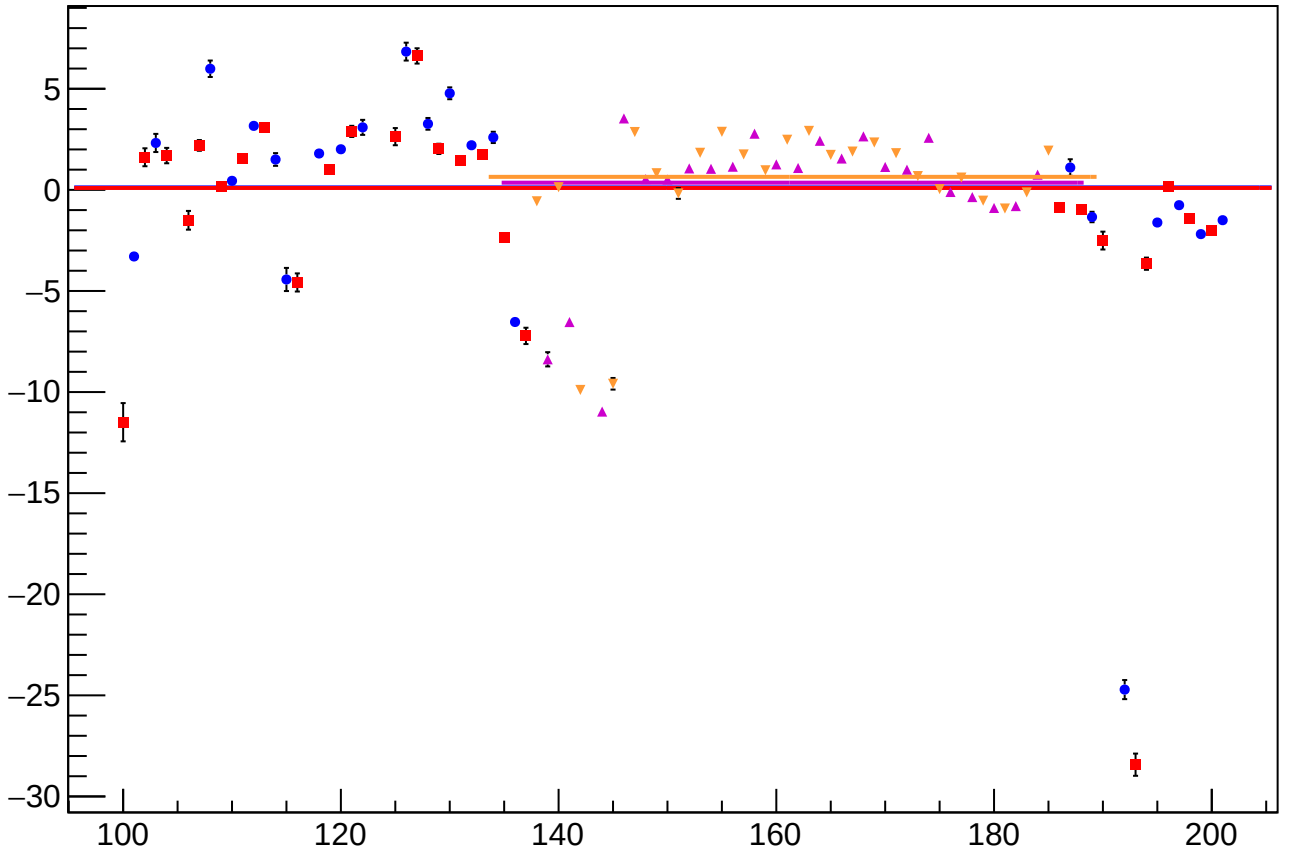
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: 0.106+/-0.029 χ^2/NDF: 234524.9/48

In: 0.397+/-0.030 χ^2/NDF:251091.7/45

Out: 0.691+/-0.028 χ^2/NDF:247689.3/49

All: 0.554+/-0.020 χ^2/NDF: 498832.9/95



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: 0.095+/-0.047 χ^2/NDF: 4931.3/25

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

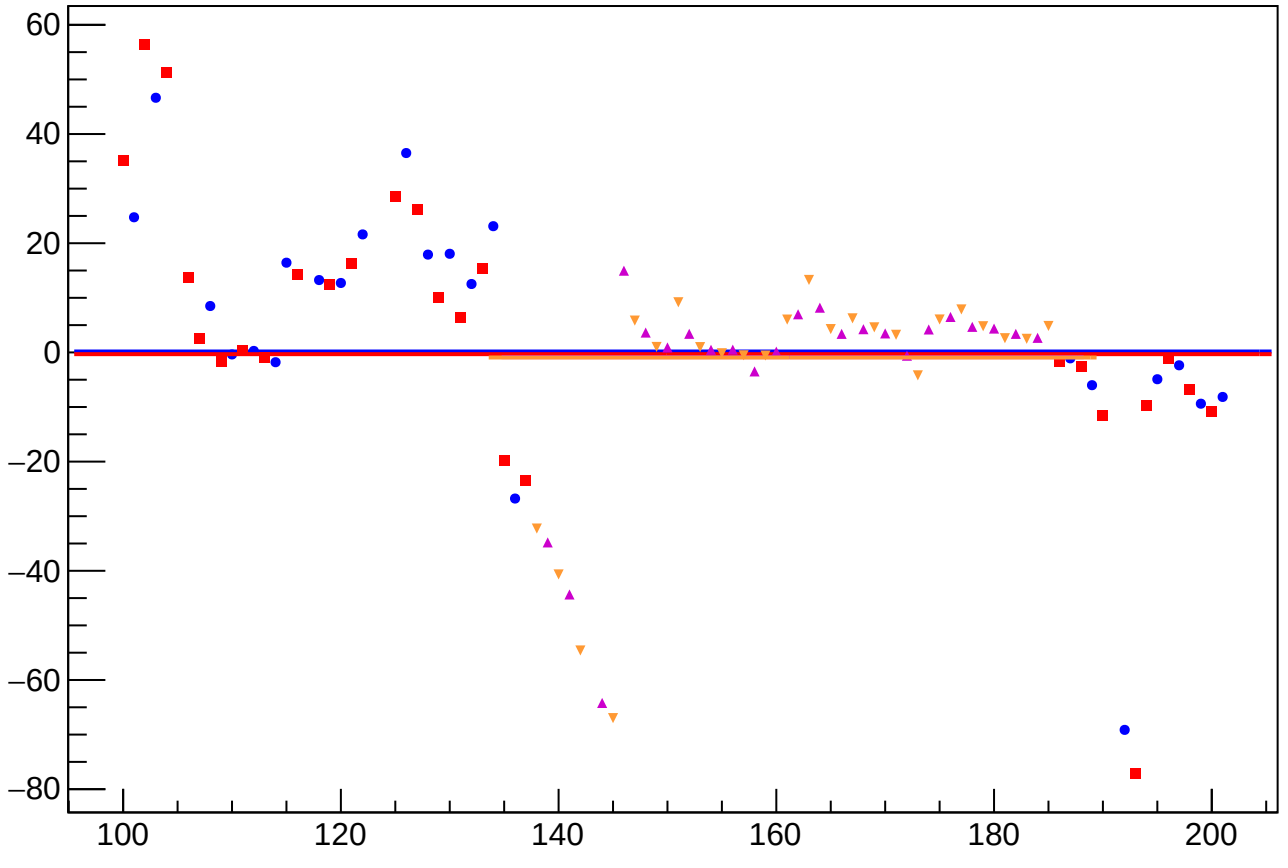
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.108+/-0.034 χ^2/NDF: 10880.1/48

In: 0.290+/-0.027 χ^2/NDF:13081.4/45

Out: 0.462+/-0.027 χ^2/NDF:9732.9/49

All: 0.374+/-0.019 χ^2/NDF: 22834.9/95



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: -0.319+/-0.041 χ^2/NDF: 115131.6/25

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

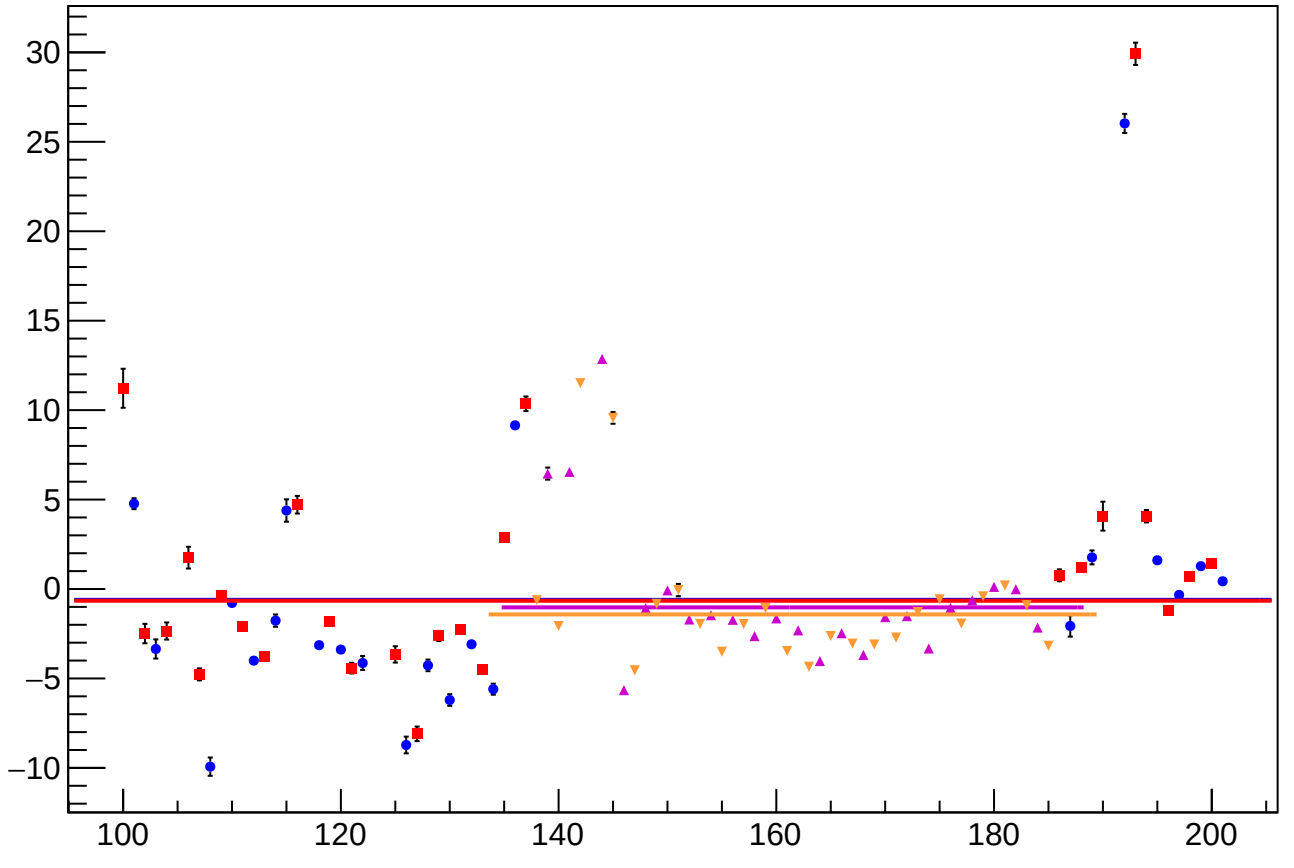
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.109+/-0.031 χ^2/NDF: 232349.3/48

In: -0.438+/-0.030 χ^2/NDF:246923.8/45

Out: -0.627+/-0.029 χ^2/NDF:241622.2/49

All: -0.537+/-0.021 χ^2/NDF: 488566.7/95



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: -0.654+/-0.055 χ^2/NDF: 5468.9/25

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

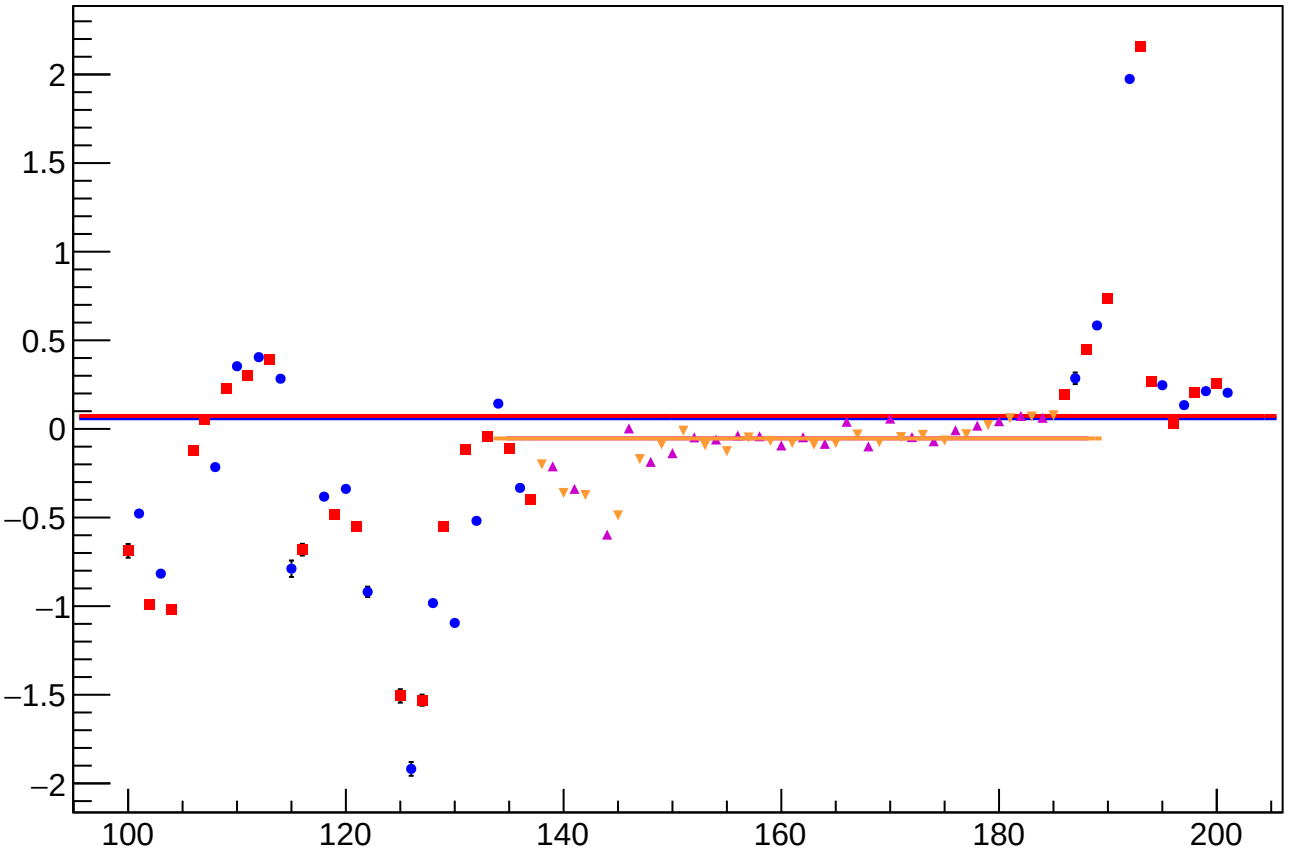
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.631+/-0.040 χ^2/NDF: 12896.6/48

In: -0.917+/-0.030 χ^2/NDF:14512.5/45

Out: -1.187+/-0.031 χ^2/NDF:10244.2/49

All: -1.049+/-0.021 χ^2/NDF: 24796.6/95



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: 0.073+/-0.003 χ^2/NDF: 33246.4/25

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

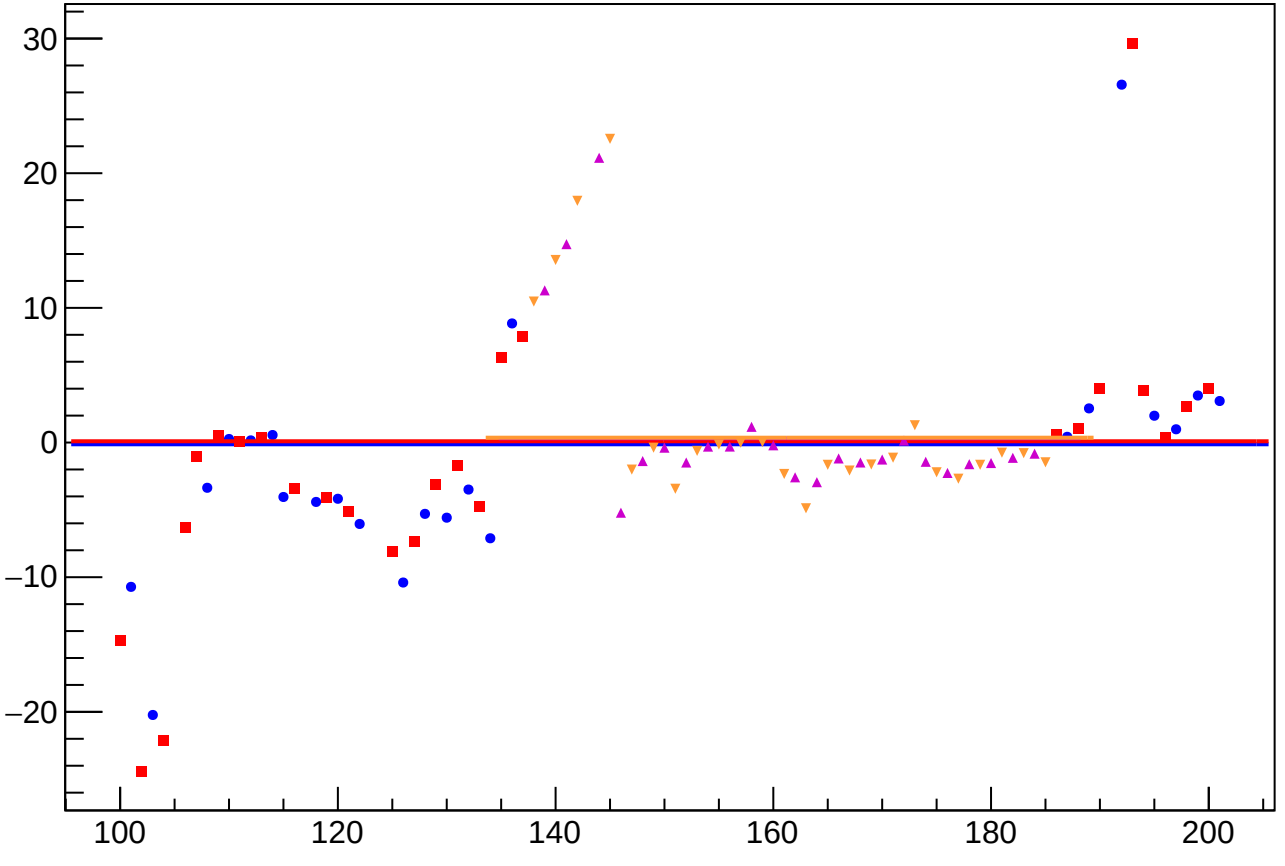
Right: 0.067+/-0.002 χ^2/NDF: 67178.4/48

In: -0.026+/-0.001 χ^2/NDF:40316.4/45

Out: -0.020+/-0.001 χ^2/NDF:39286.1/49

All: -0.023+/-0.001 χ^2/NDF: 79614.1/95

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: 0.095+/-0.013 χ^2/NDF: 114697.8/25

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

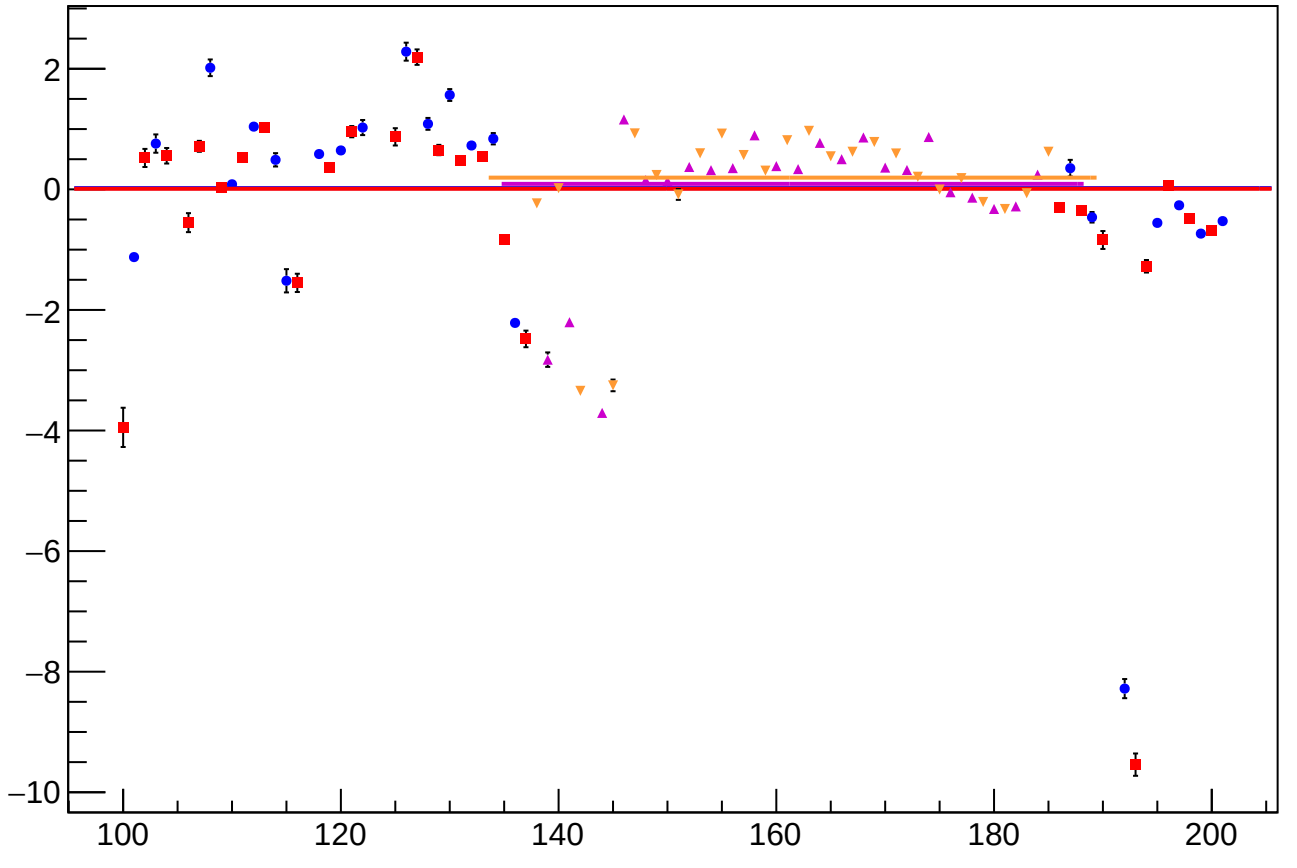
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.000+/-0.010 χ^2/NDF: 230638.8/48

In: 0.122+/-0.010 χ^2/NDF:246512.5/45

Out: 0.220+/-0.010 χ^2/NDF:243718.0/49

All: 0.175+/-0.007 χ^2/NDF: 490279.5/95



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: 4844.9/25

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

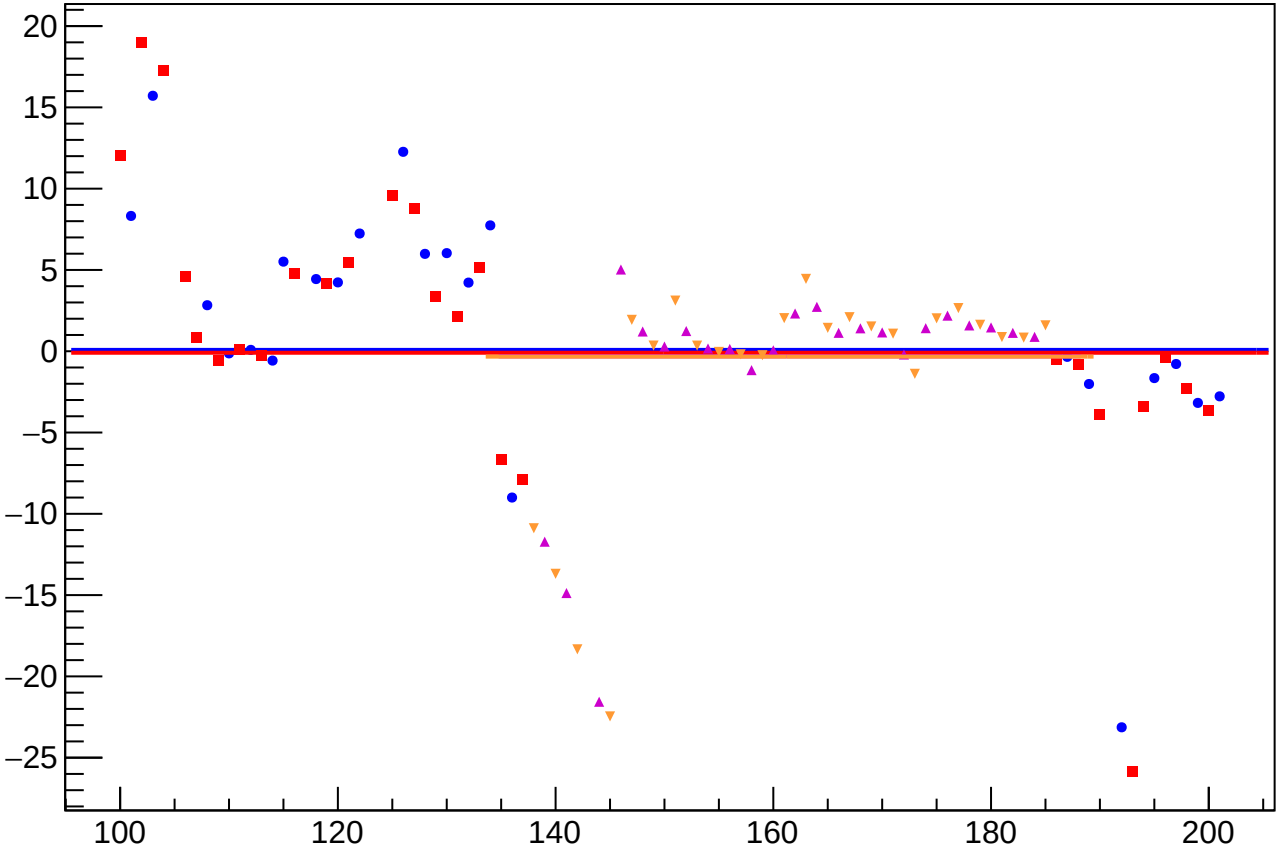
Right: 0.015+/-0.012 χ^2/NDF: 10664.6/48

In: 0.071+/-0.009 χ^2/NDF:12768.2/45

Out: 0.134+/-0.009 χ^2/NDF:9577.2/49

All: 0.102+/-0.007 χ^2/NDF: 22368.5/95

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.093+/-0.014 χ^2/NDF: 113368.6/25

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

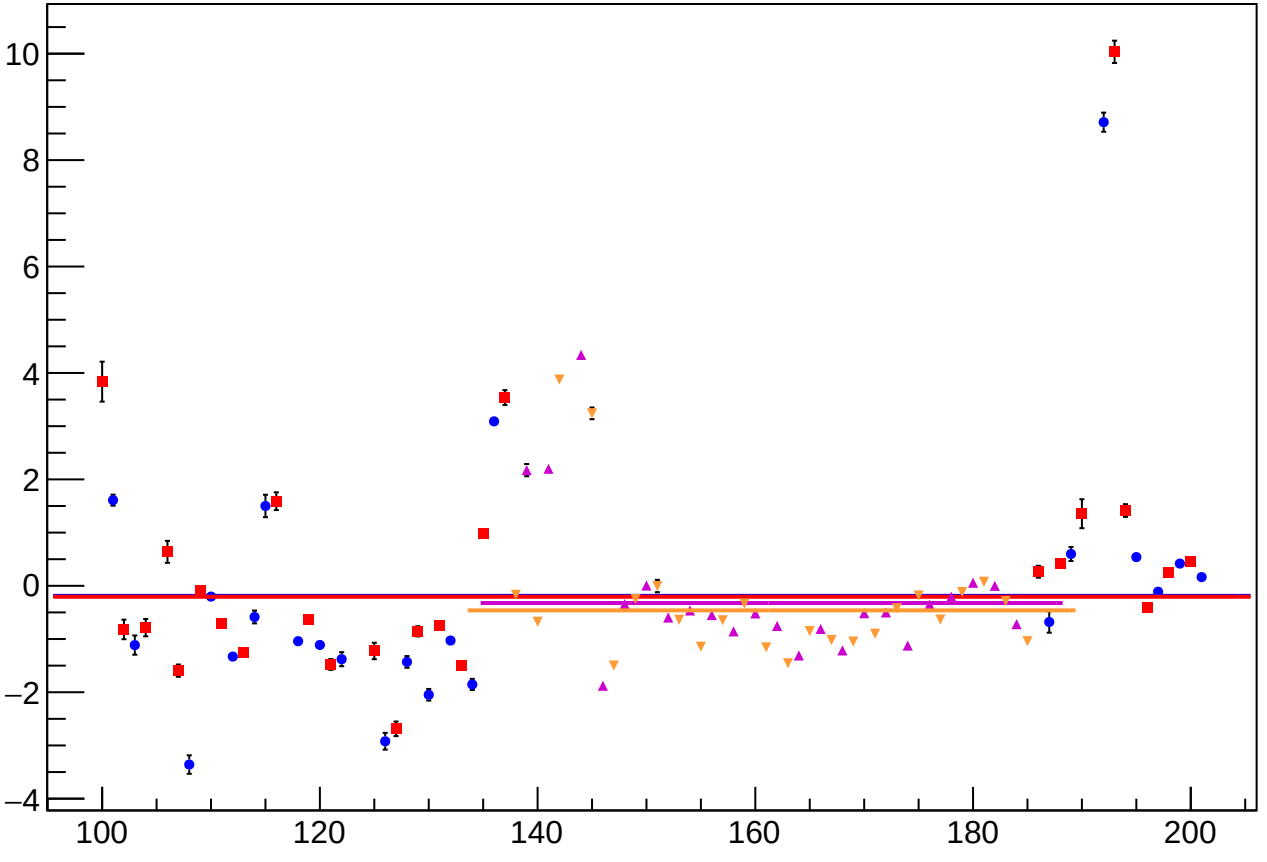
Right: -0.017+/-0.011 χ^2/NDF: 228545.4/48

In: -0.151+/-0.010 χ^2/NDF:242465.4/45

Out: -0.214+/-0.010 χ^2/NDF:237749.2/49

All: -0.184+/-0.007 χ^2/NDF: 480234.3/95

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: -0.205+/-0.019 χ^2/NDF: 5379.2/25

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

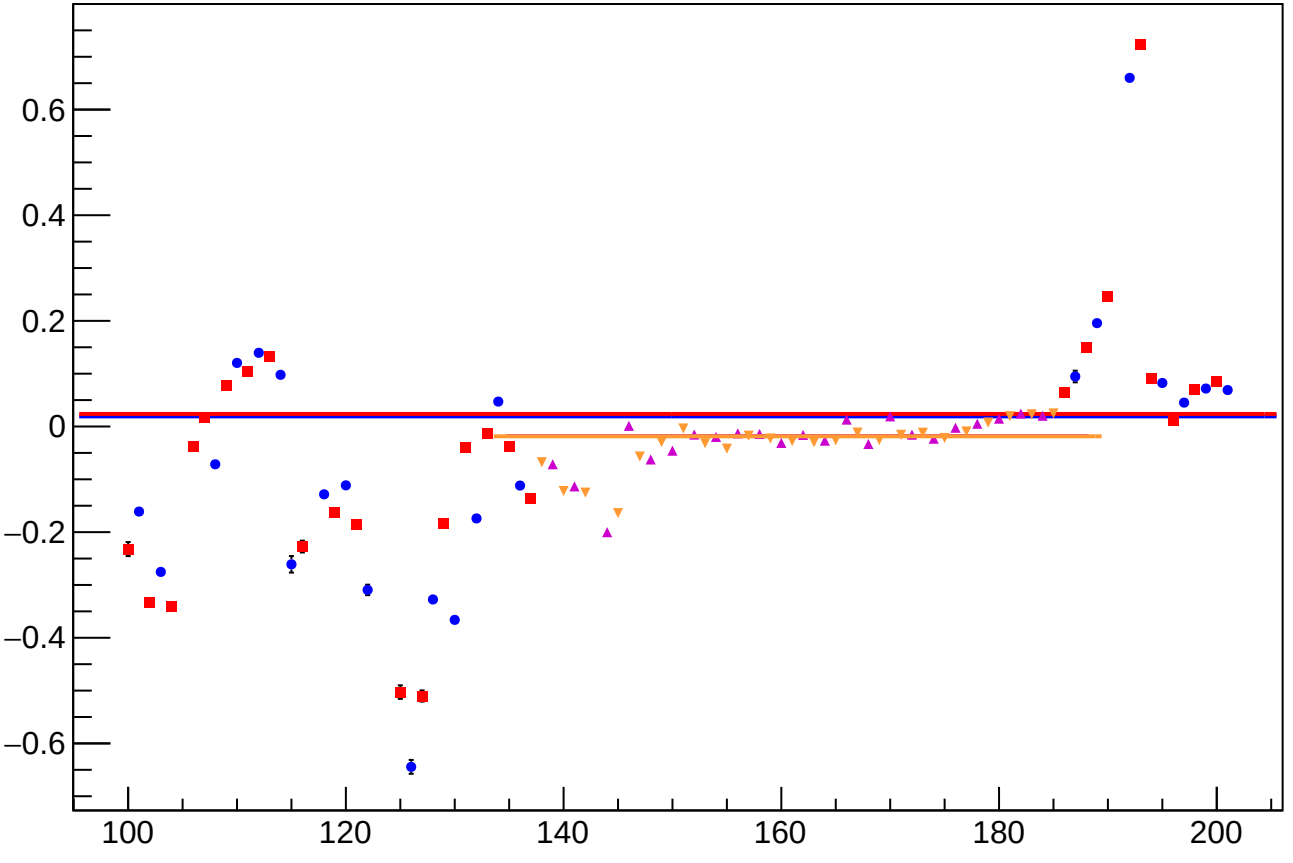
Right: -0.198+/-0.014 χ^2/NDF: 12649.7/48

In: -0.288+/-0.010 χ^2/NDF:14184.9/45

Out: -0.384+/-0.010 χ^2/NDF:10085.7/49

All: -0.335+/-0.007 χ^2/NDF: 24313.7/95

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: 0.024+/-0.001 χ^2/NDF: 32637.5/25

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

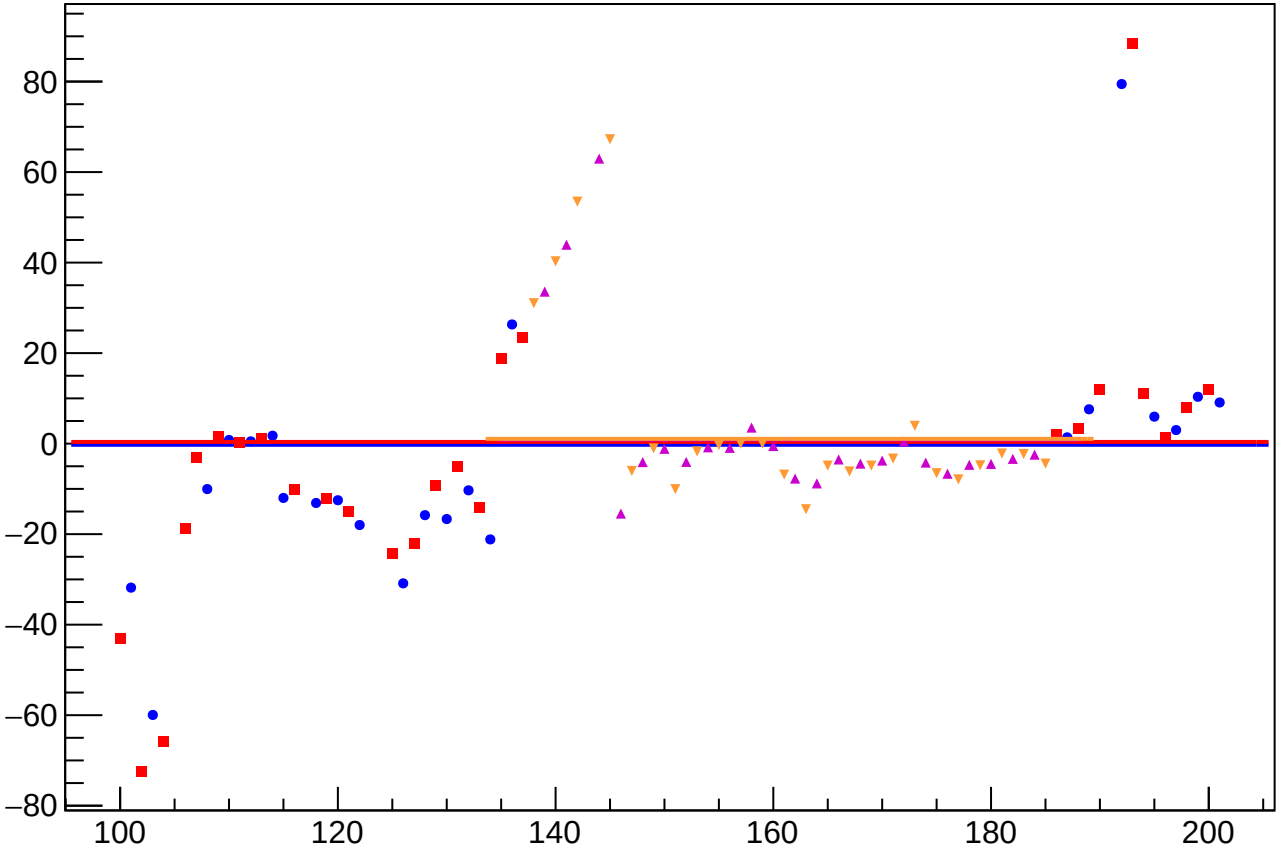
Right: 0.021+/-0.001 χ^2/NDF: 65993.7/48

In: -0.009+/-0.000 χ^2/NDF:39488.5/45

Out: -0.007+/-0.000 χ^2/NDF:38465.6/49

All: -0.008+/-0.000 χ^2/NDF: 77962.3/95

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.375+/-0.038 χ^2/NDF: 116526.6/25

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

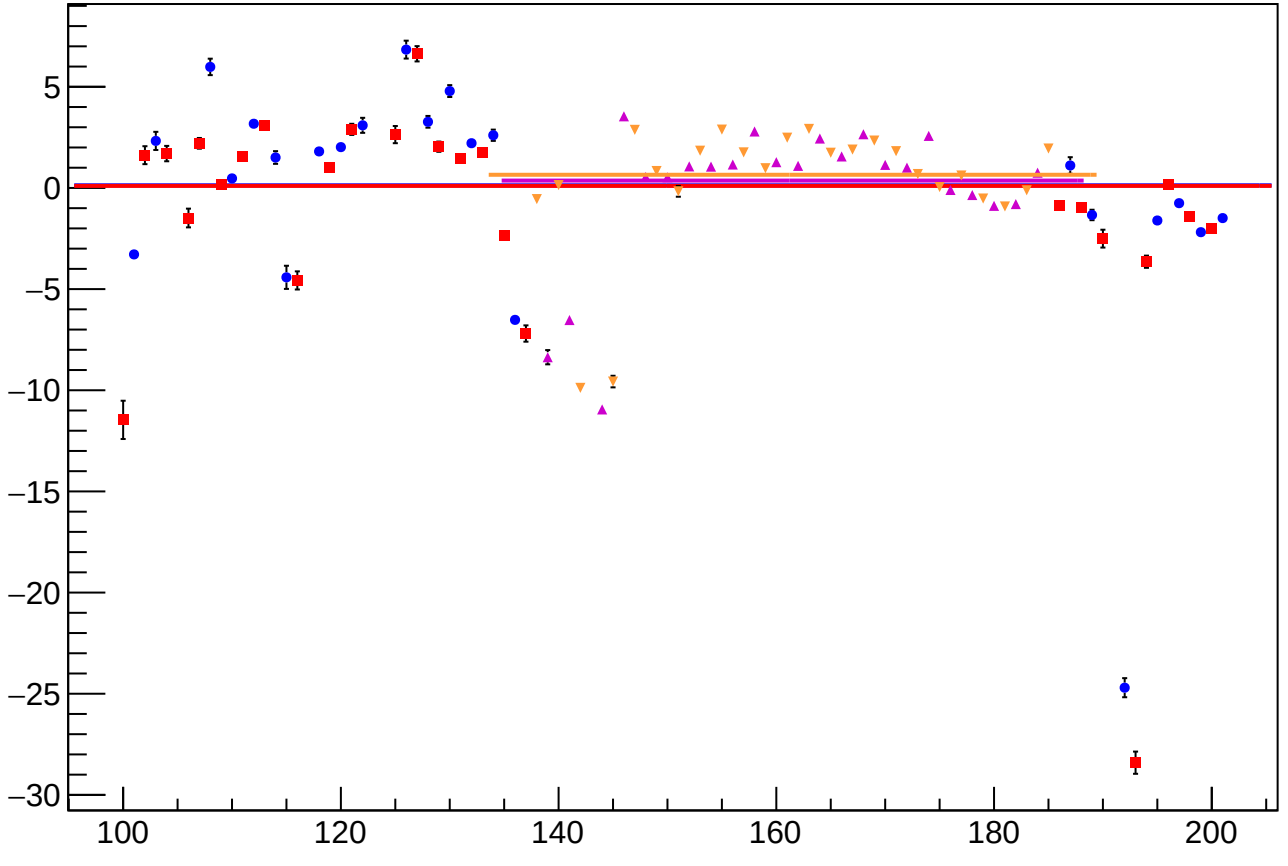
Right: 0.112+/-0.029 χ^2/NDF: 234566.5/48

In: 0.402+/-0.030 χ^2/NDF:251121.7/45

Out: 0.696+/-0.028 χ^2/NDF:247687.6/49

All: 0.559+/-0.020 χ^2/NDF: 498861.2/95

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: 0.102+/-0.047 χ^2/NDF: 4932.2/25

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

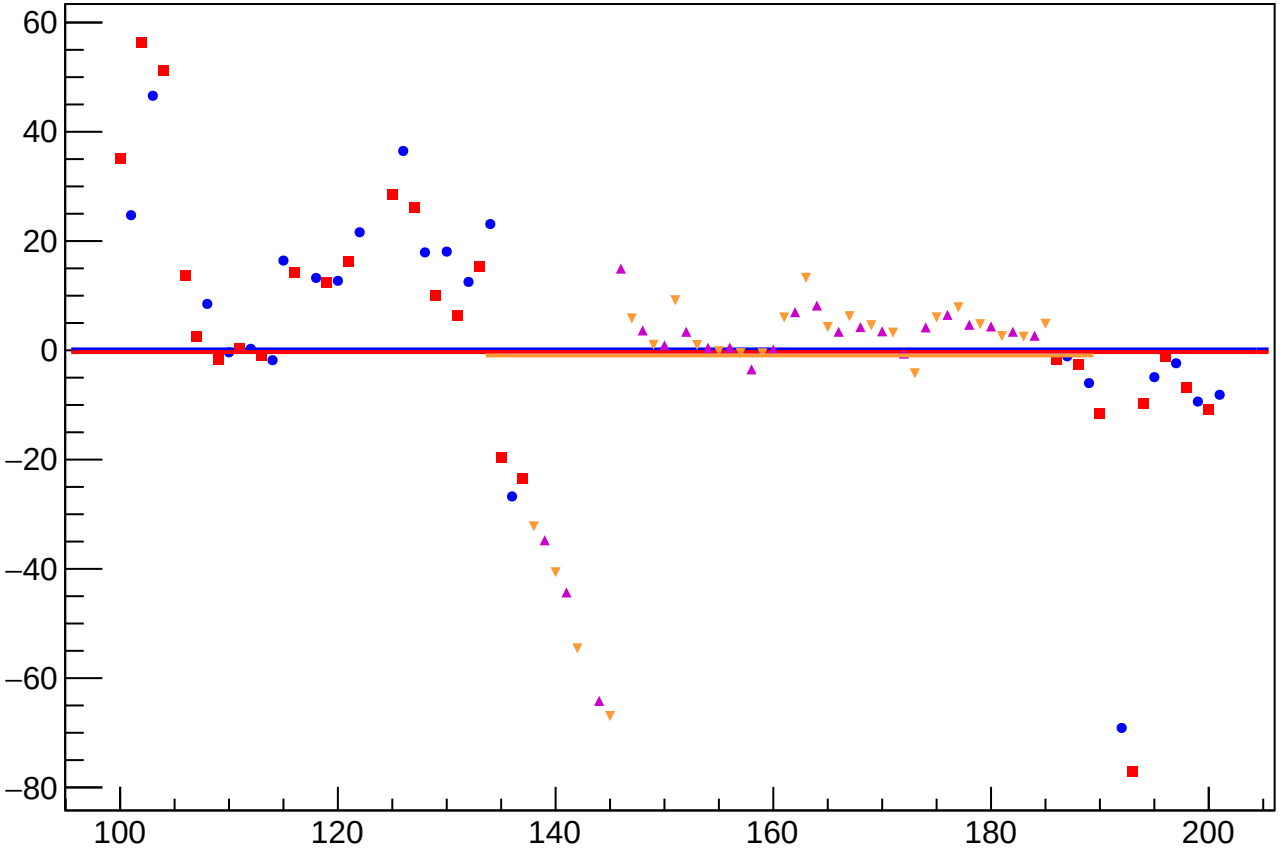
Right: 0.115+/-0.034 χ^2/NDF: 10885.2/48

In: 0.298+/-0.027 χ^2/NDF:13091.1/45

Out: 0.469+/-0.027 χ^2/NDF:9732.1/49

All: 0.382+/-0.019 χ^2/NDF: 22843.4/95

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.319+/-0.041 χ^2/NDF: 115146.3/25

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

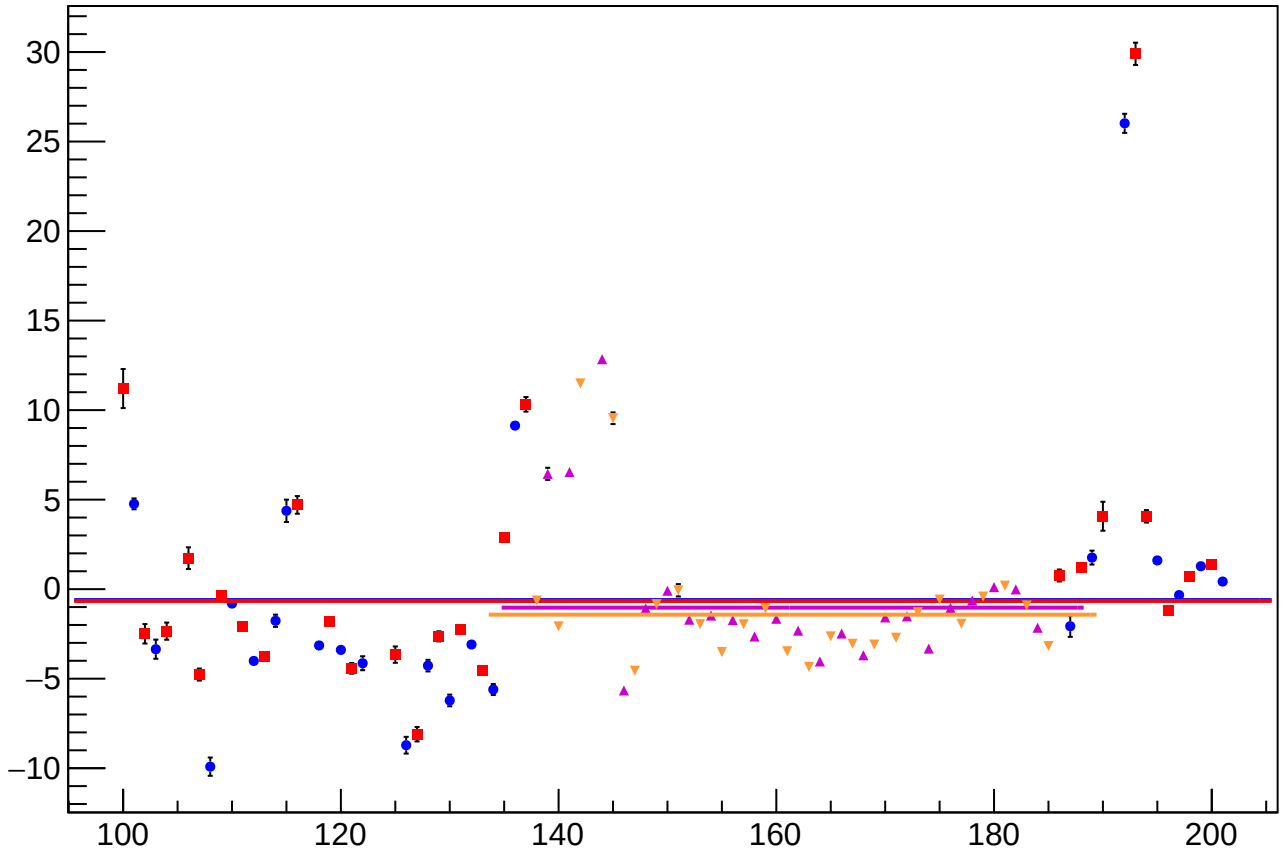
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -0.110+/-0.031 χ^2/NDF: 232384.3/48

In: -0.437+/-0.030 χ^2/NDF:246948.2/45

Out: -0.626+/-0.029 χ^2/NDF:241617.9/49

All: -0.536+/-0.021 χ^2/NDF: 488586.8/95



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: -0.658+/-0.055 χ^2/NDF: 5468.3/25

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

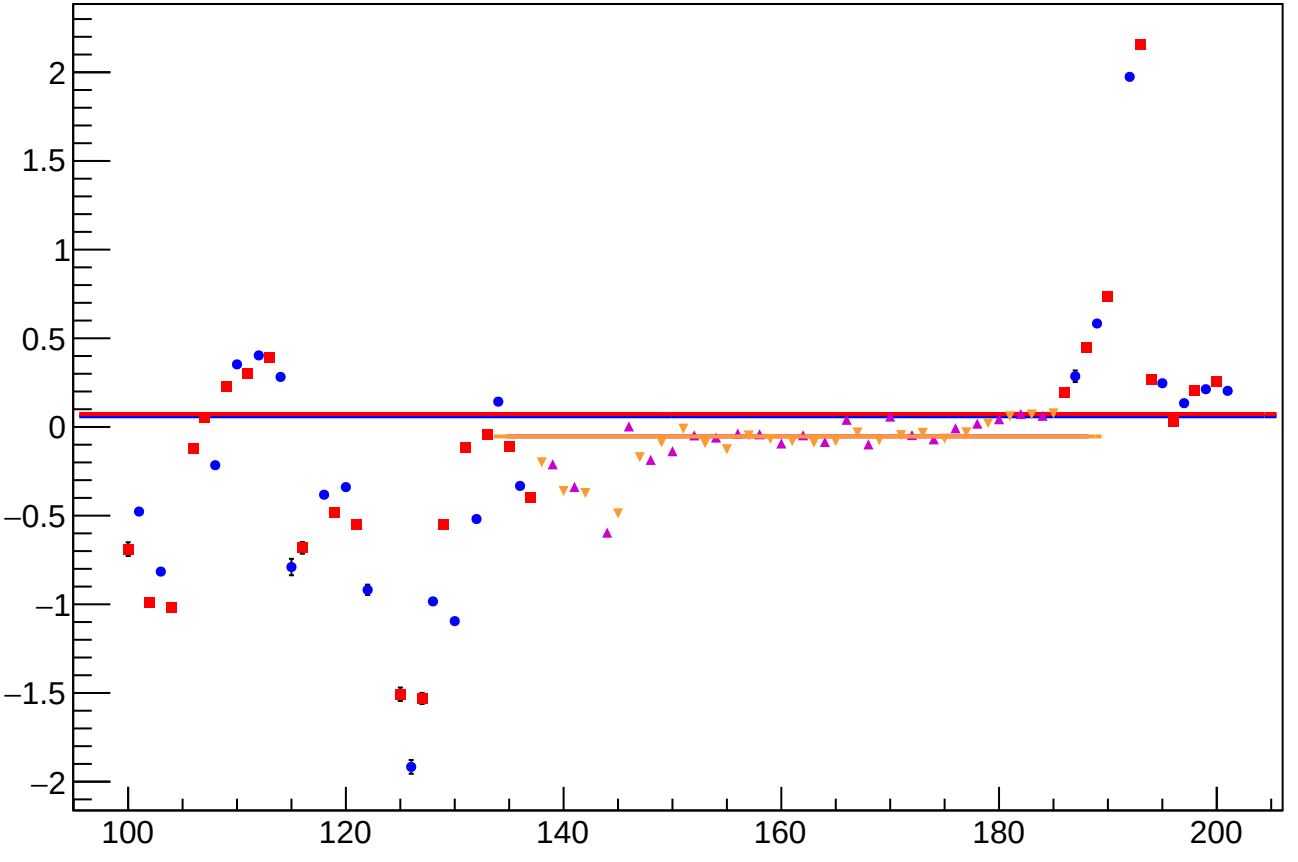
Right: -0.636+/-0.040 χ^2/NDF: 12899.2/48

In: -0.922+/-0.030 χ^2/NDF:14520.2/45

Out: -1.191+/-0.031 χ^2/NDF:10241.7/49

All: -1.054+/-0.021 χ^2/NDF: 24801.4/95

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: 0.073+/-0.003 χ^2/NDF: 33260.6/25

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

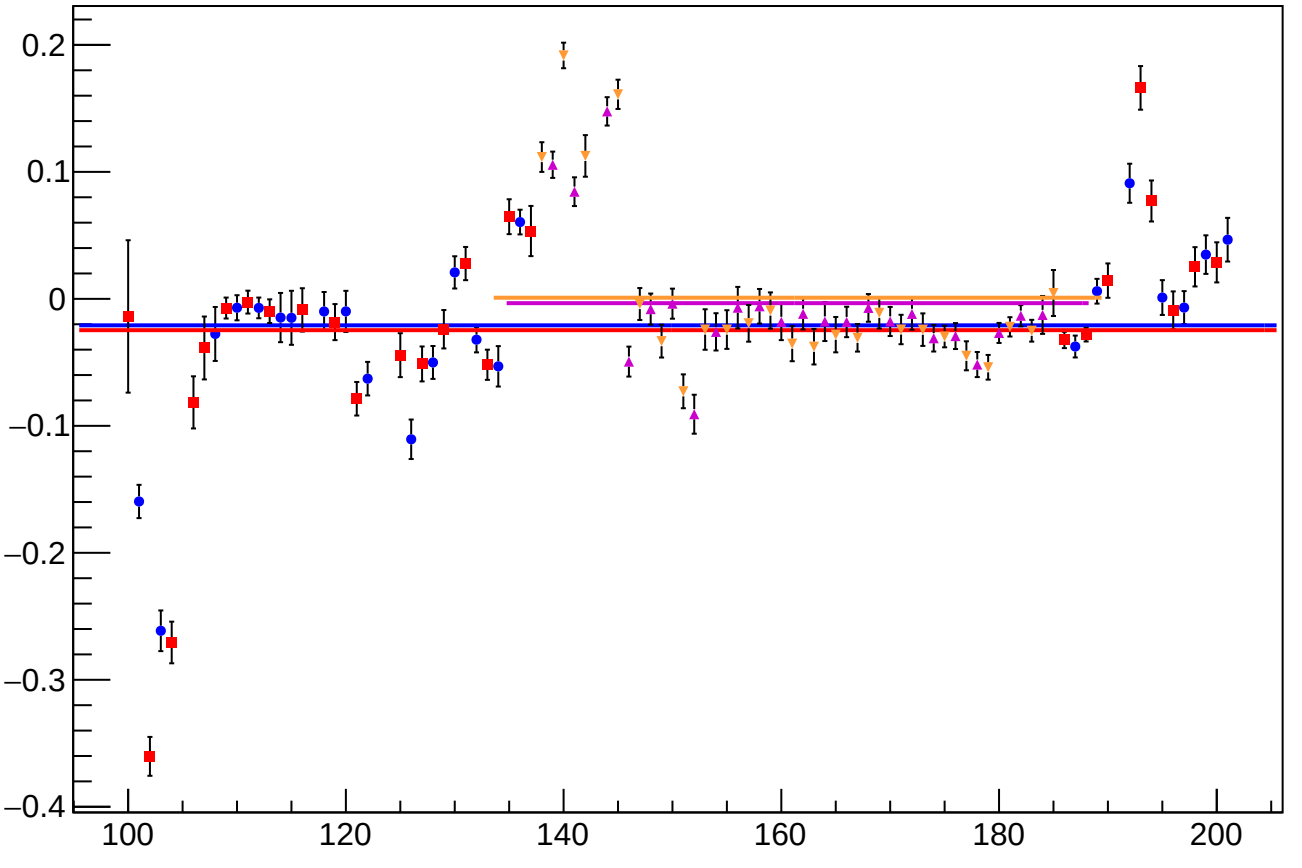
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.067+/-0.002 χ^2/NDF: 67200.4/48

In: -0.026+/-0.001 χ^2/NDF:40330.4/45

Out: -0.019+/-0.001 χ^2/NDF:39302.5/49

All: -0.023+/-0.001 χ^2/NDF: 79644.9/95



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: -0.025+/-0.002 χ^2/NDF: 1024.7/25

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

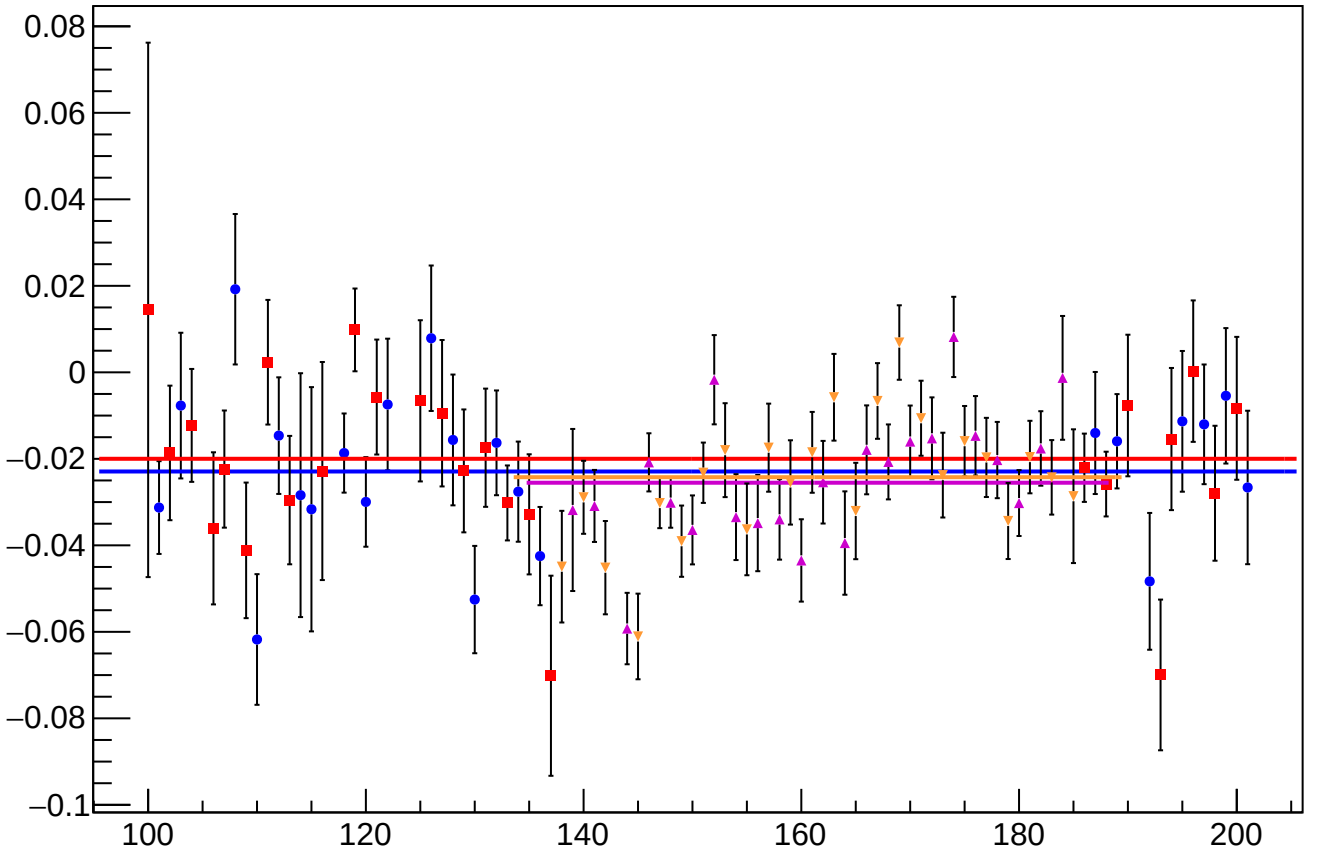
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.023+/-0.002 χ^2/NDF: 1601.2/48

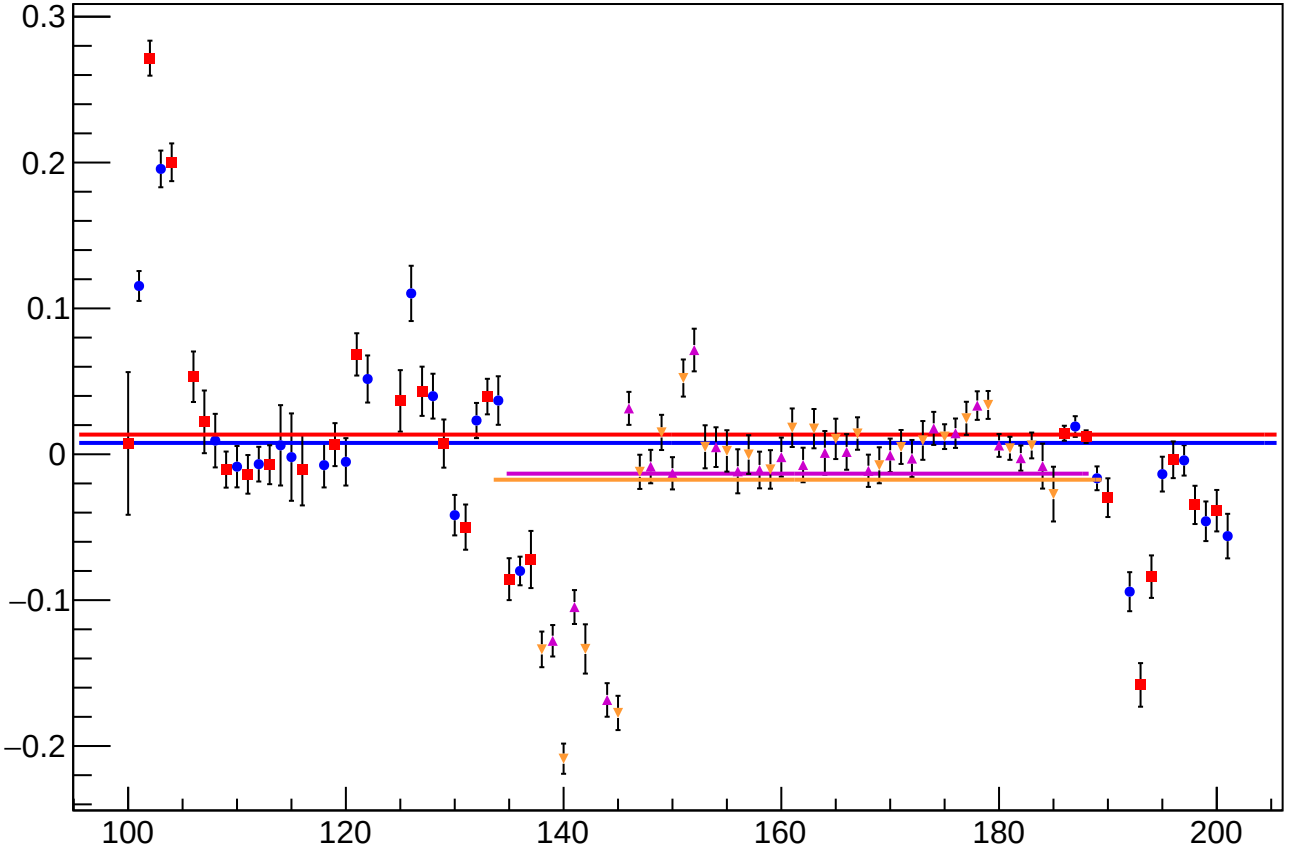
In: -0.011+/-0.002 χ^2/NDF:1057.1/45

Out: -0.012+/-0.002 χ^2/NDF:1932.8/49

All: -0.012+/-0.001 χ^2/NDF: 2990.1/95


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
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: -0.023+/-0.003 χ²/NDF: 34.6/22
Left Out: -0.024+/-0.002 χ²/NDF:53.7/23
Right Out: -0.020+/-0.003 χ²/NDF: 36.8/25
Left In: -0.026+/-0.002 χ²/NDF:55.0/22
Left: -0.025+/-0.001 χ²/NDF: 109.0/46
Right: -0.021+/-0.002 χ²/NDF: 72.0/48
In: -0.025+/-0.002 χ²/NDF:90.2/45
Out: -0.023+/-0.002 χ²/NDF:92.3/49
All: -0.024+/-0.001 χ²/NDF: 183.3/95

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: 0.013+/-0.002 χ^2/NDF: 1011.1/25

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

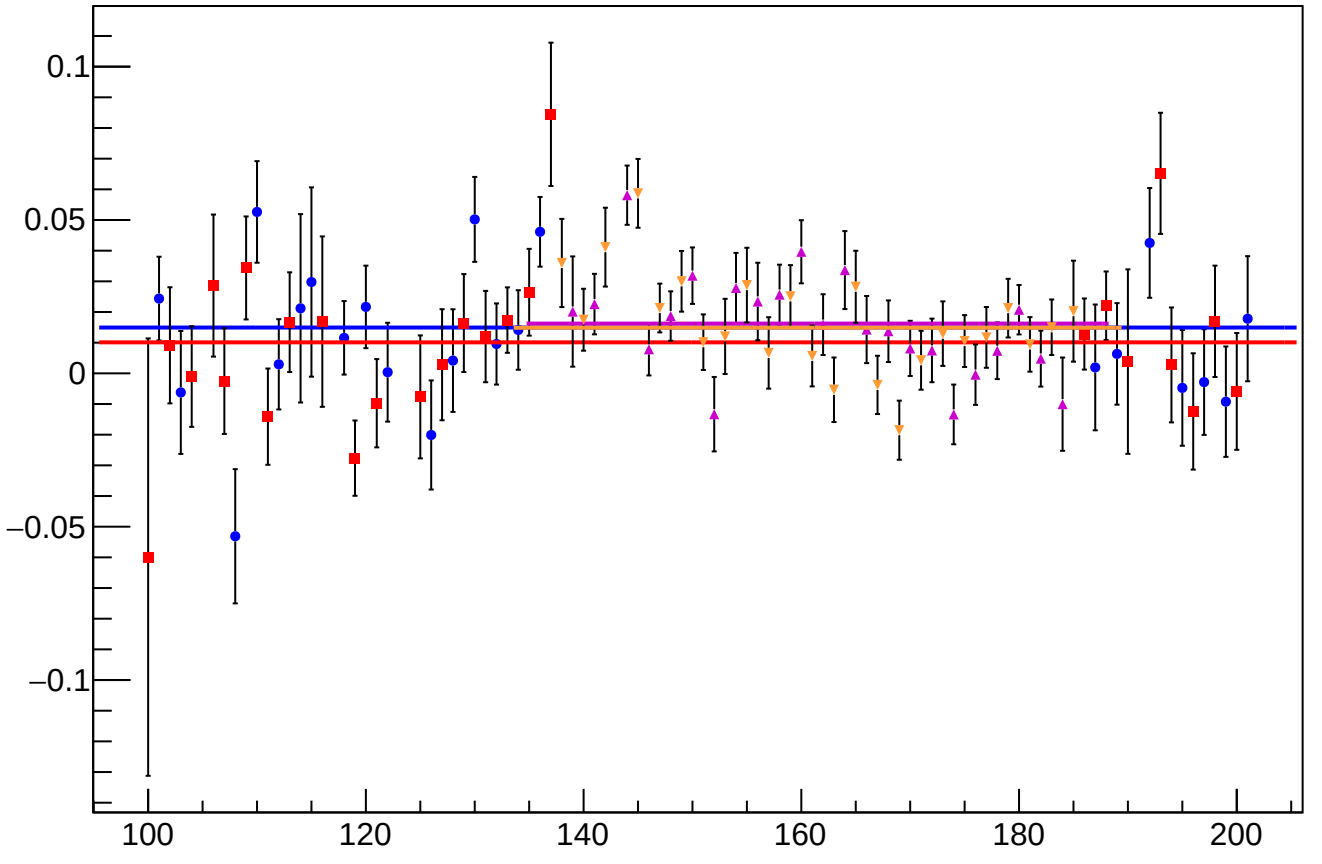
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

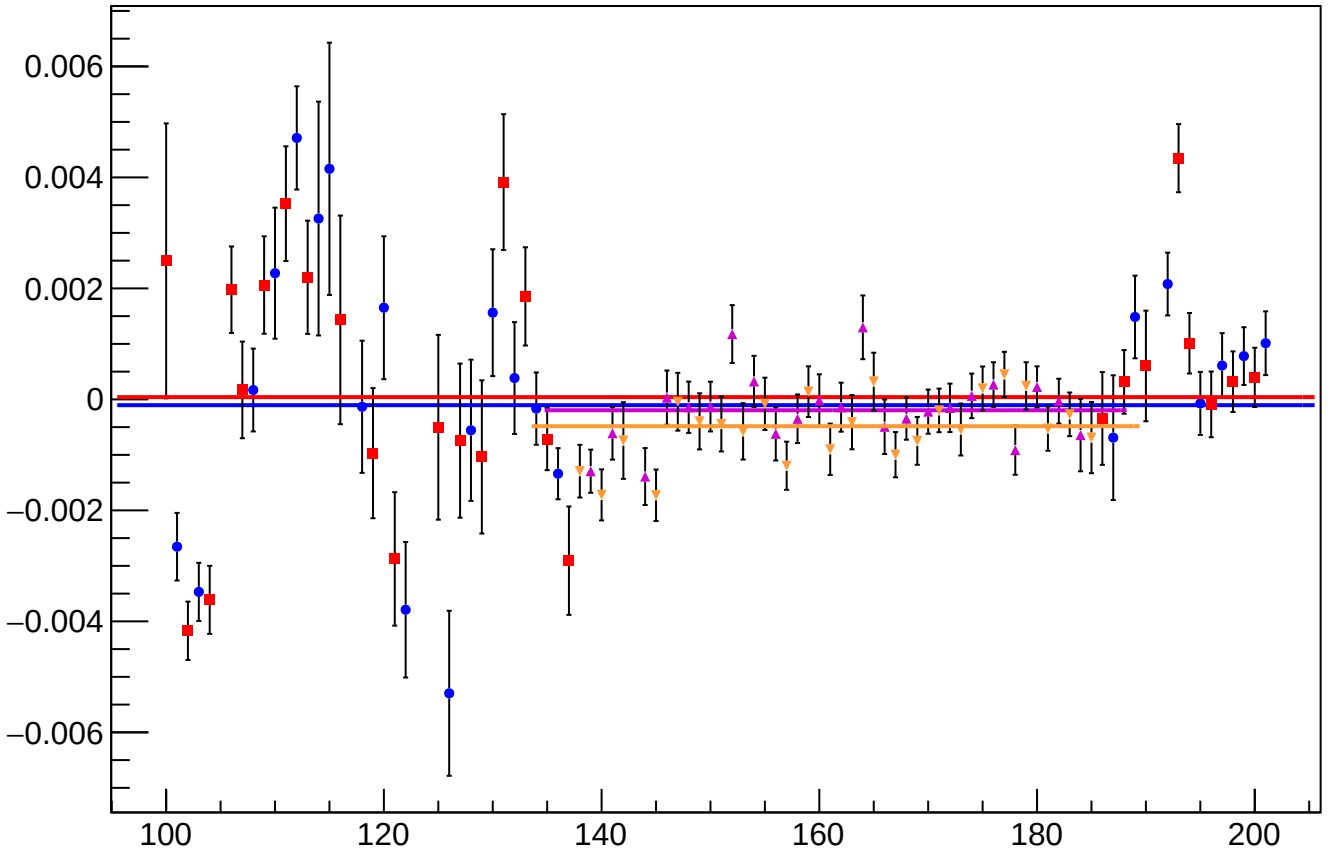
Right: 0.011+/-0.002 χ^2/NDF: 1597.2/48

In: -0.004+/-0.002 χ^2/NDF:1077.2/45

Out: -0.001+/-0.002 χ^2/NDF:1912.6/49

All: -0.002+/-0.001 χ^2/NDF: 2991.1/95


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: 0.010+/-0.003 χ²/NDF: 43.1/25
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: 88.3/48
In: 0.016+/-0.002 χ²/NDF:102.1/45
Out: 0.013+/-0.002 χ²/NDF:96.7/49
All: 0.015+/-0.001 χ²/NDF: 199.8/95



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: 215.2/25

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

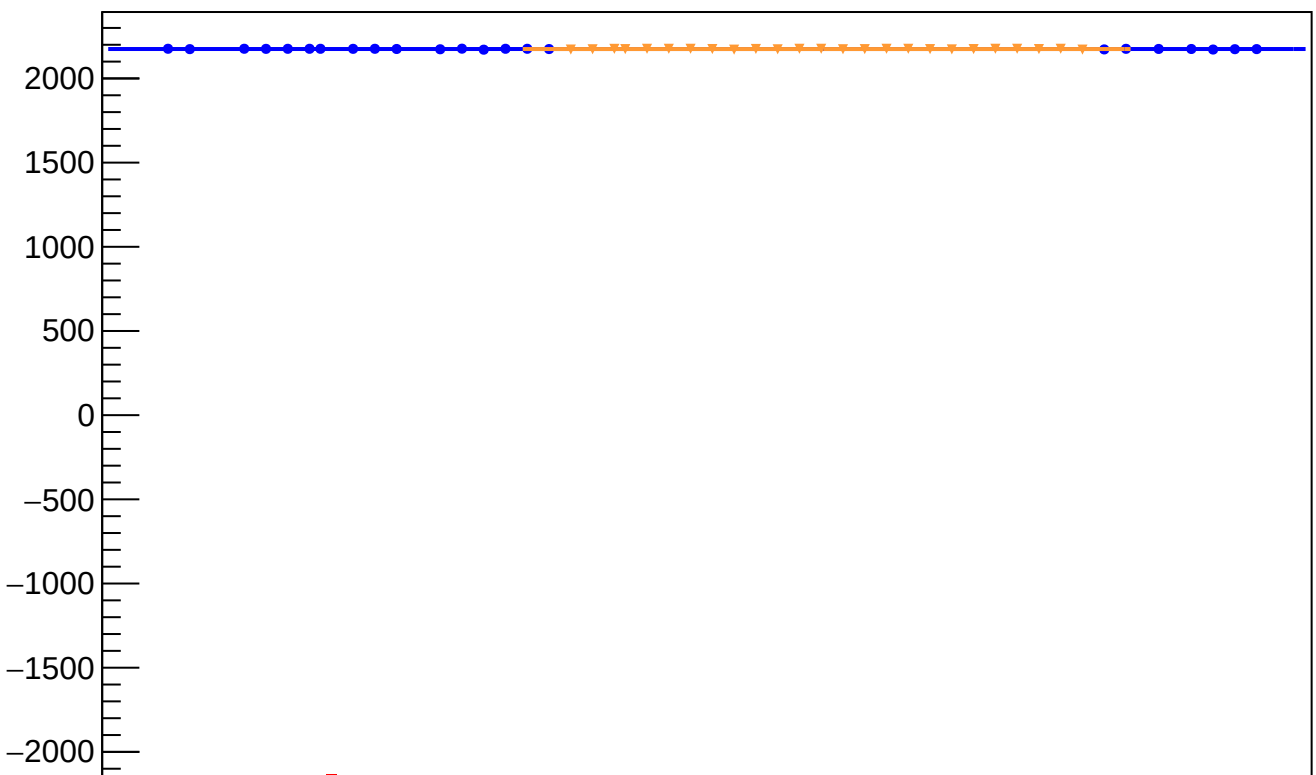
Right: -0.000+/-0.000 χ^2/NDF: 372.2/48

In: -0.000+/-0.000 χ^2/NDF:194.1/45

Out: -0.000+/-0.000 χ^2/NDF:264.6/49

All: -0.000+/-0.000 χ^2/NDF: 460.9/95

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: -2174.173+/-0.000 χ^2/NDF: 962137053103259296547049839158886 4.0/27

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

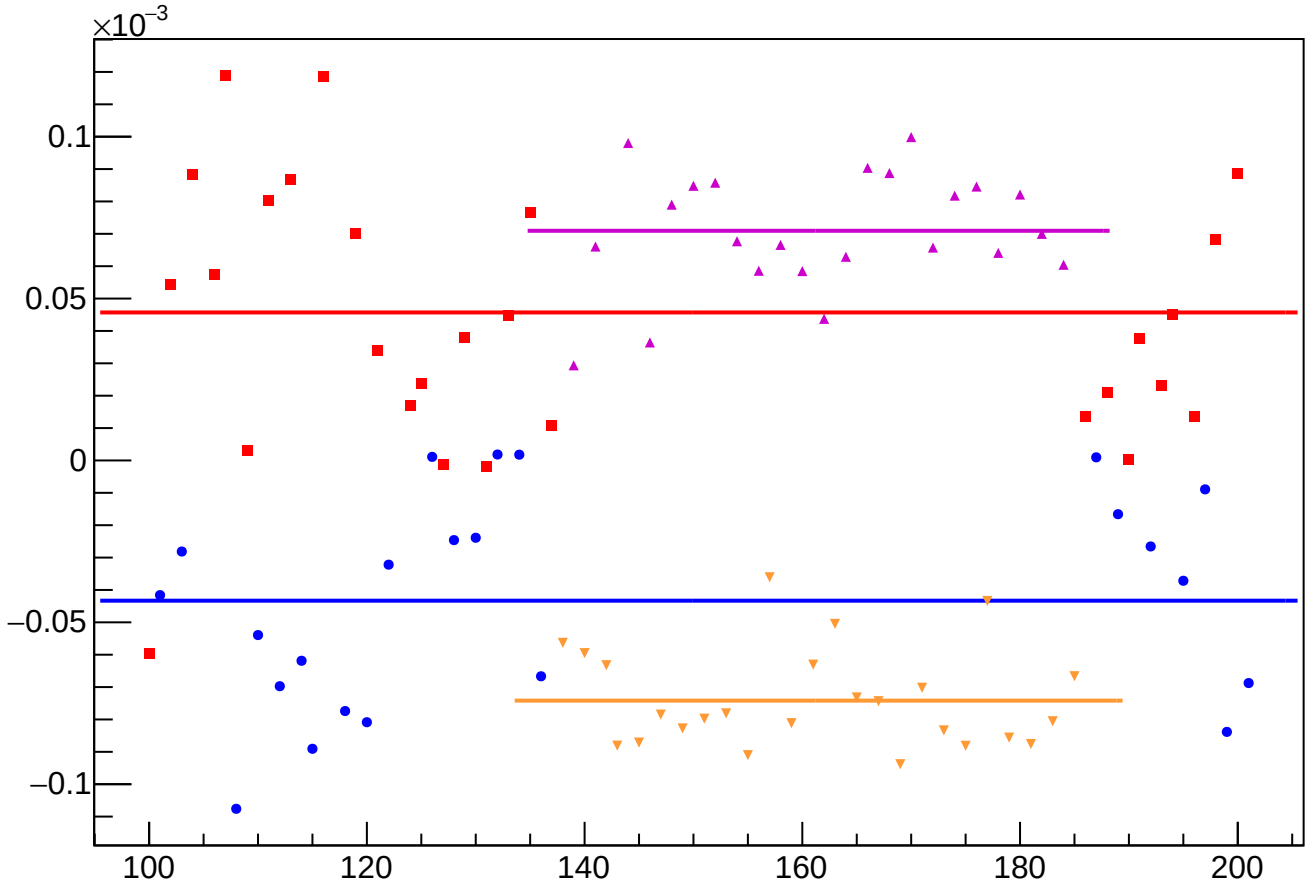
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -106.588+/-0.000 χ^2/NDF: 125705659216168

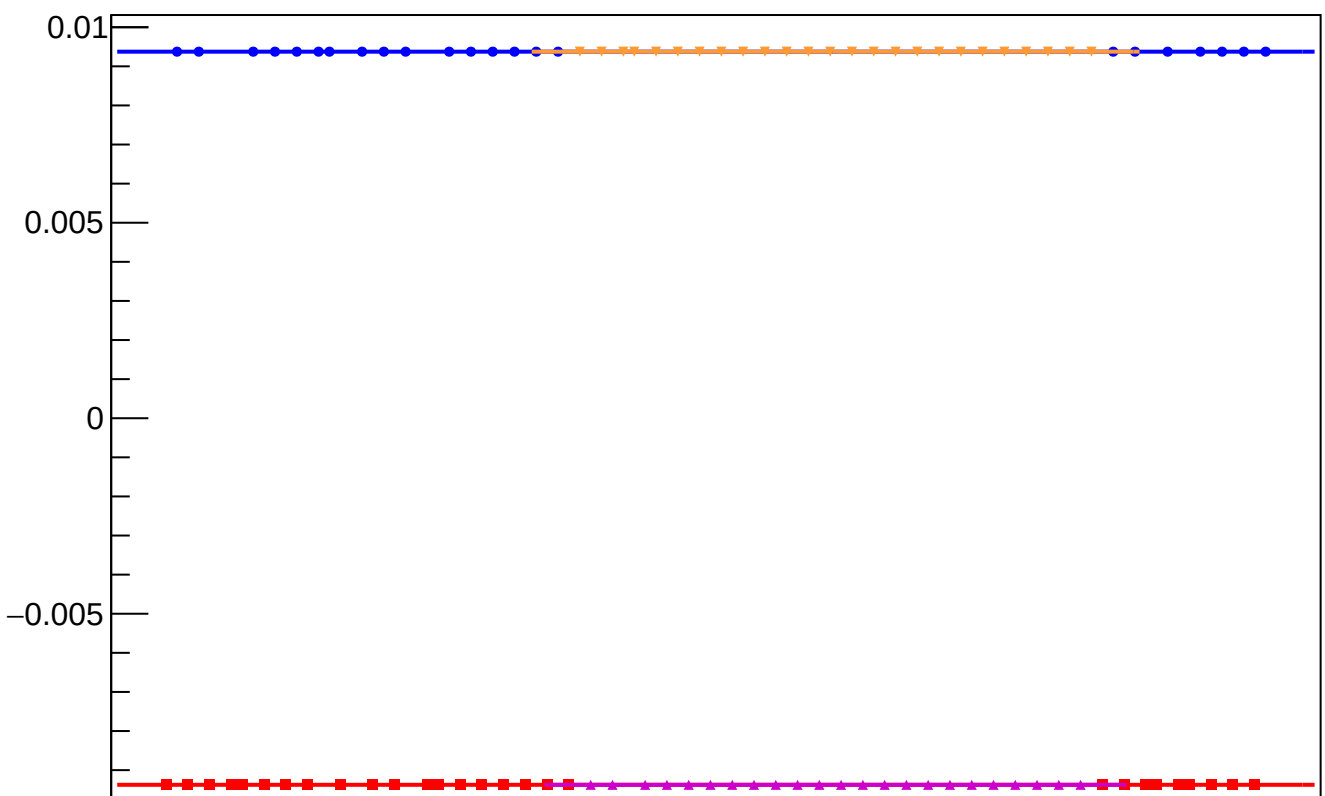
In: -437.850+/-0.000 χ^2/NDF:1439717817193030

Out: 394.887+/-0.000 χ^2/NDF:1561898383116412

All: -6.126+/-0.000 χ^2/NDF: 3115689743788


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:47183476855130979250995 2.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 154419828630997258626662 4.0/27
Left In: 0.000+/-0.000 χ²/NDF:63109152678988936852275 2.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 79440660802268140
In: 0.000+/-0.000 χ²/NDF:116971727143537825 3
Out: -0.000+/-0.000 χ²/NDF:13888815103296369
All: -0.000+/-0.000 χ²/NDF: 2976938204037

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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

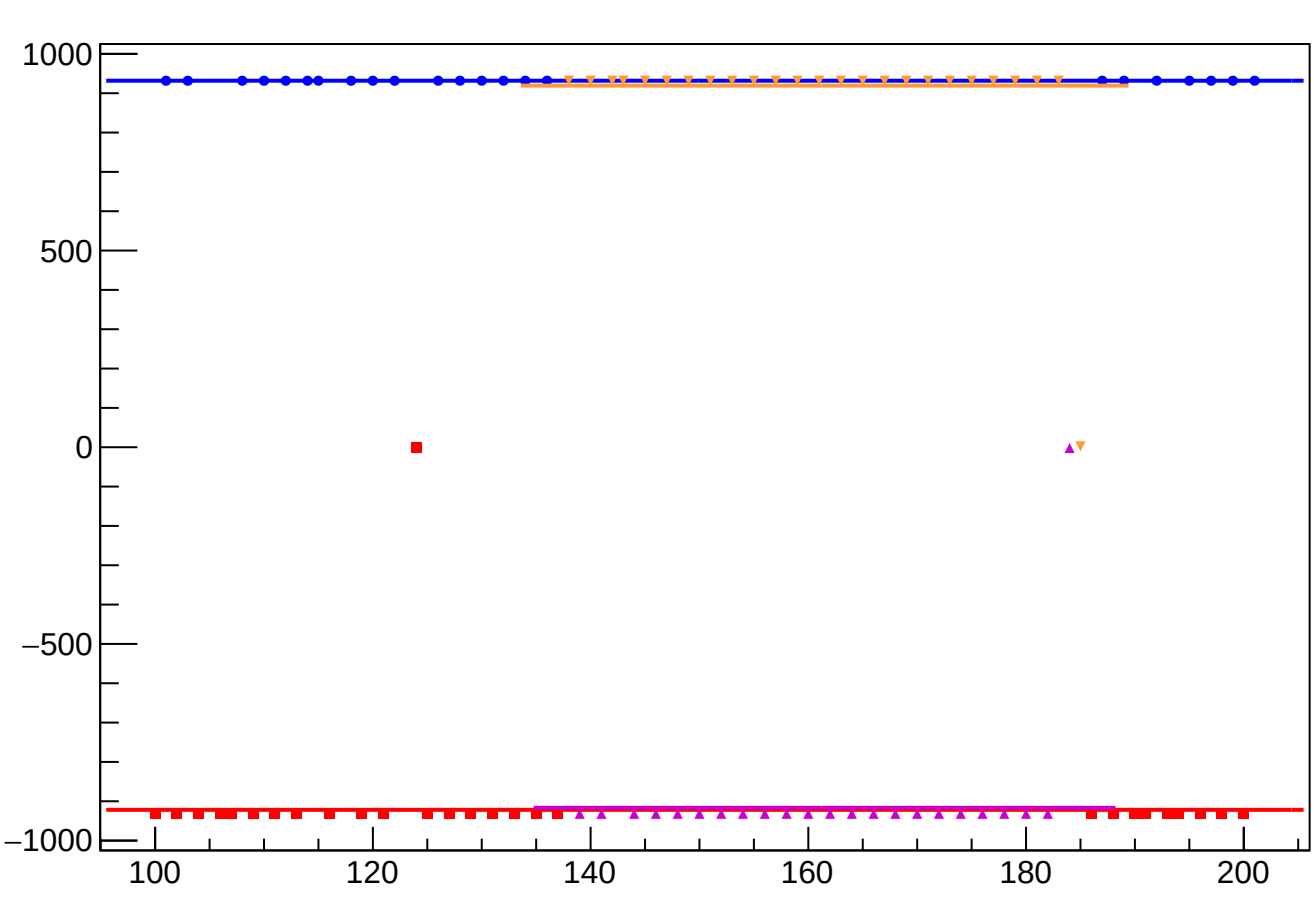
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485



Right In: 931.776+/-0.000 χ^2/NDF: 31909223832909570222254562541568.0/22

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -921.783+/-0.000 χ^2/NDF: 12882601871147444251758248351462588416.0/27

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

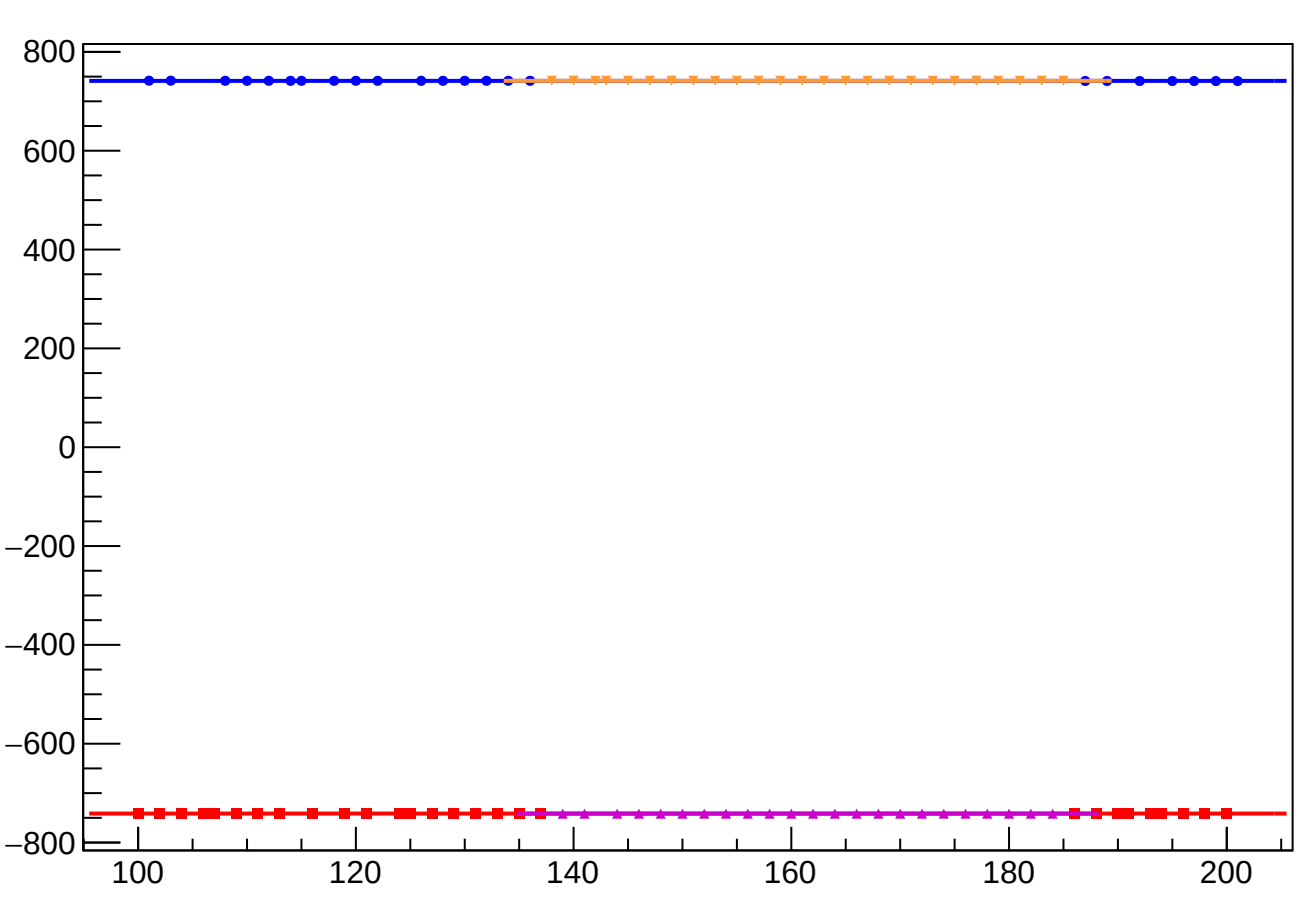
Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

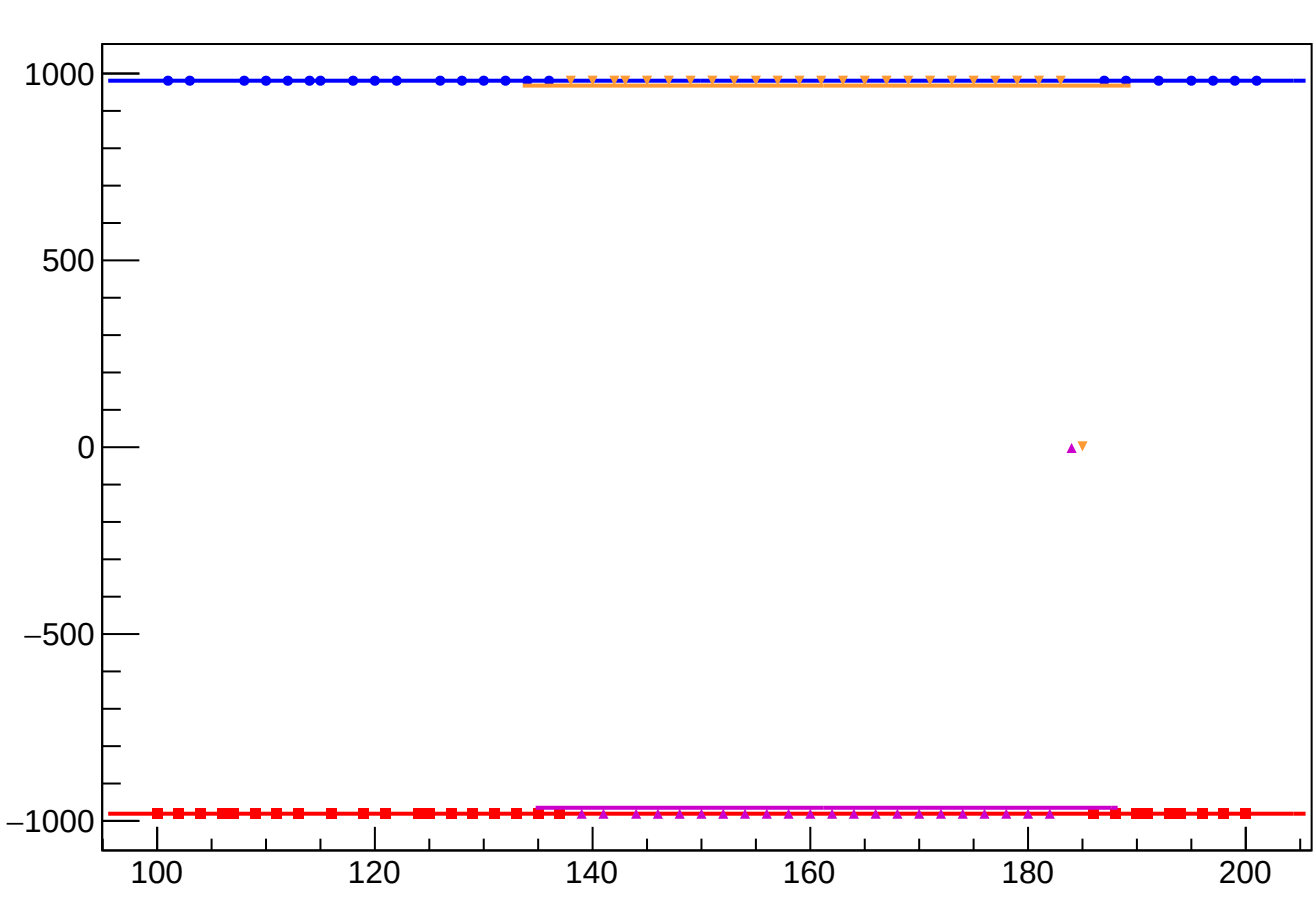
Right: -40.560+/-0.000 χ^2/NDF: 229637345890192

In: -178.564+/-0.000 χ^2/NDF:2626742314782627

Out: 165.864+/-0.000 χ^2/NDF:2835397073305974

All: 0.001+/-0.000 χ^2/NDF: 56572874538165


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: -741.344+/-0.000 χ²/NDF: 10105979021732344398921427897 5488.0/27
Left In: -741.513+/-0.000 χ²/NDF:234703983030085423185895882752.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -36.438+/-0.000 χ²/NDF: 146113540020268
In: -149.395+/-0.000 χ²/NDF:167352432747120
Out: 134.653+/-0.000 χ²/NDF:1815971512647904
All: -2.133+/-0.000 χ²/NDF: 3622220625727



Right In: 980.806+/-0.000 χ^2/NDF: 14190790929136842384441270599680.0/22

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.777+/-0.000 χ^2/NDF: 6338270329798976361665798969753 6.0/27

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

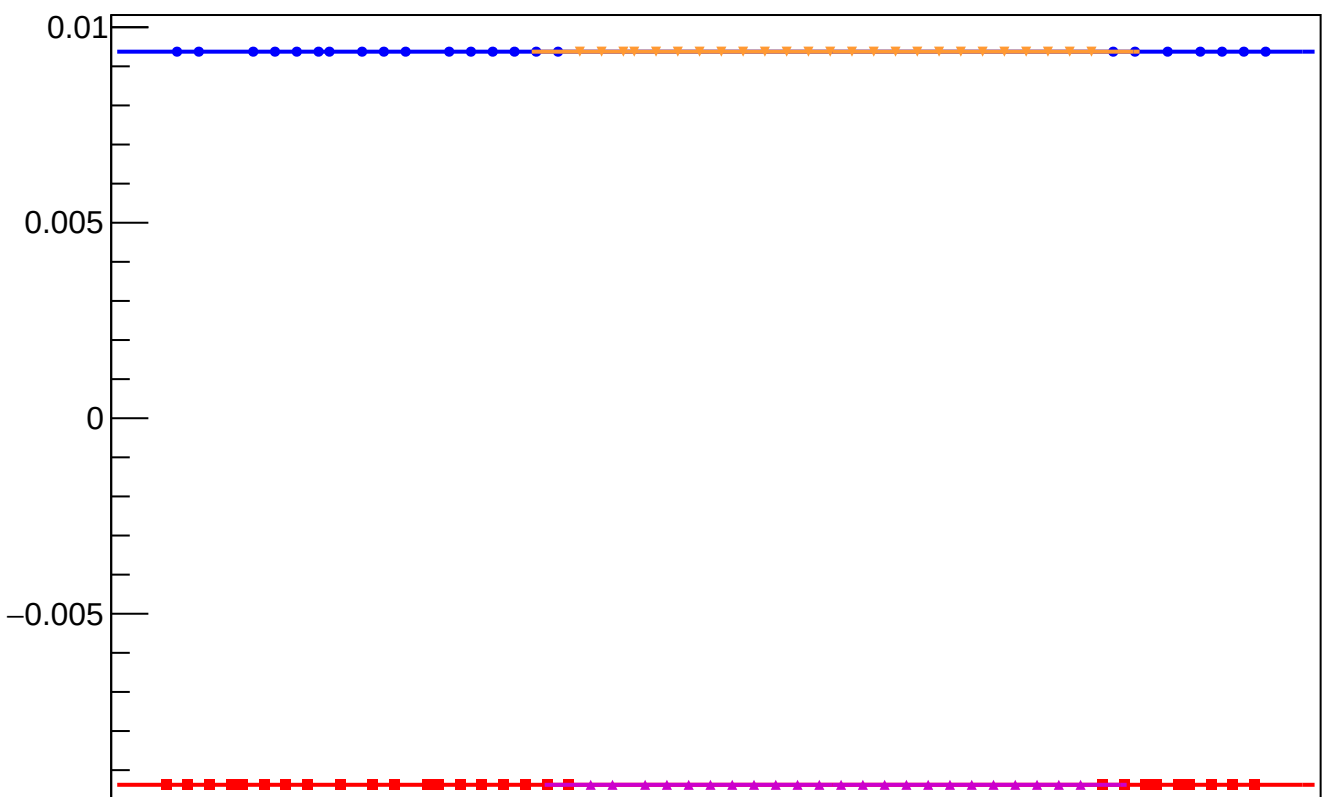
Right: -48.197+/-0.000 χ^2/NDF: 255740532672499

In: -187.939+/-0.000 χ^2/NDF:2910347928066064

Out: 170.271+/-0.000 χ^2/NDF:3160886907814264

All: -2.229+/-0.000 χ^2/NDF: 6282313565613

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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

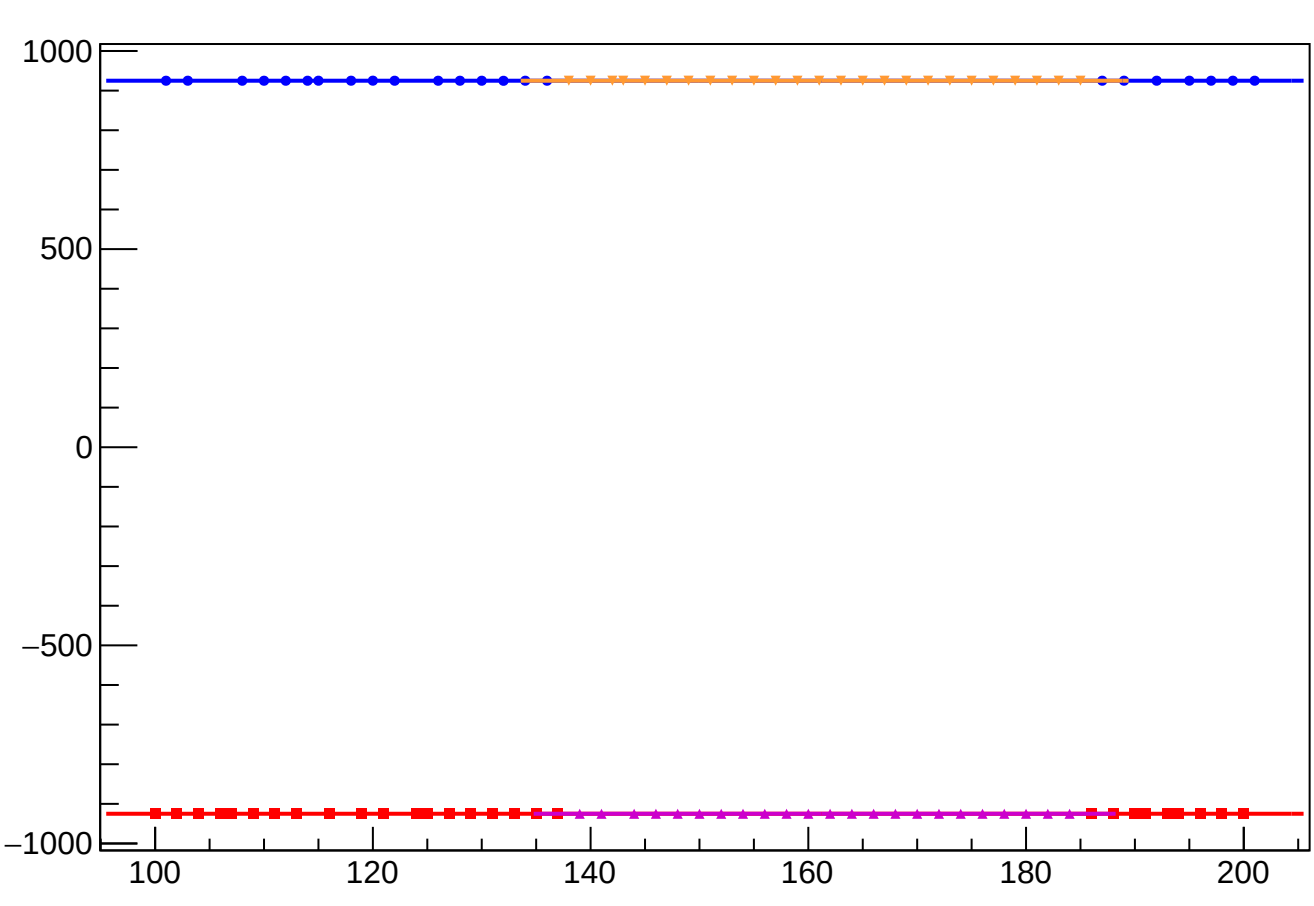
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485



Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

Right In: 924.986+/-0.000 χ^2/NDF: 3322962386179253345855960252416.0/22

Right: -45.471+/-0.000 χ^2/NDF: 227467511024342

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

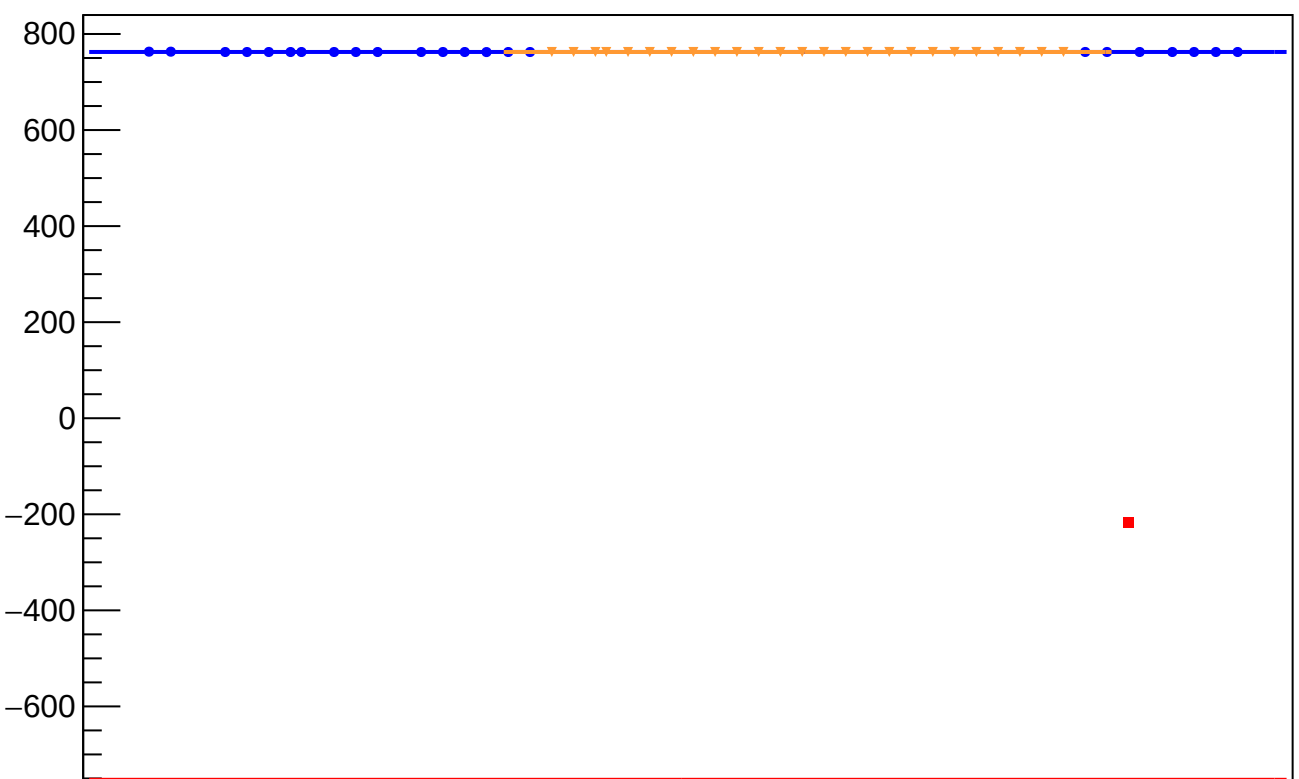
In: -186.278+/-0.000 χ^2/NDF:2604704705648028

Right Out: -924.991+/-0.000 χ^2/NDF: 1819559769739871424928584564736.0/27

Out: 167.880+/-0.000 χ^2/NDF:282645360970047

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

All: -2.668+/-0.000 χ^2/NDF: 5637488625365



Right In: 762.579+/-0.000 χ^2/NDF: 5404022493063035228375180797542 4.0/22

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -752.829+/-0.000 χ^2/NDF: 730664866659337486978791426748 3176960.0/27

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961 7536.0/22

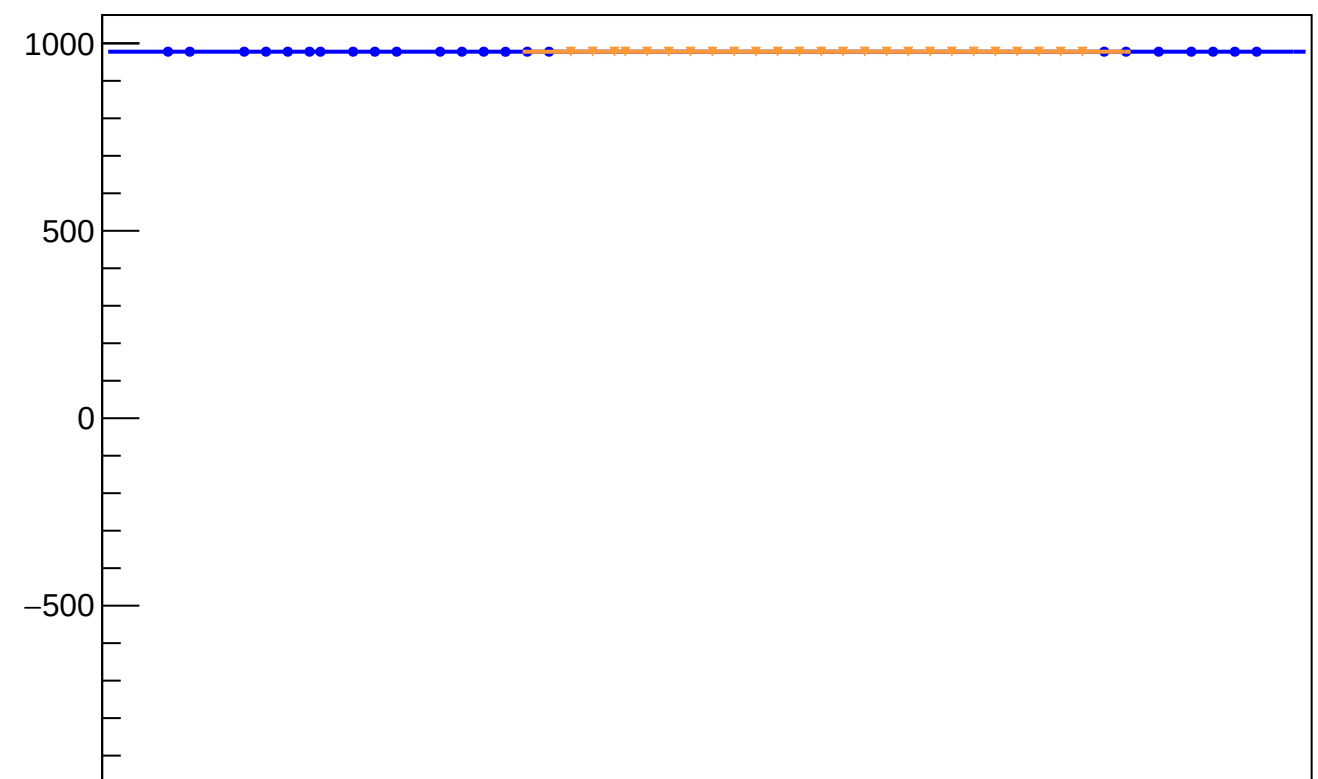
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -32.370+/-0.000 χ^2/NDF: 153362829775016

In: -153.537+/-0.000 χ^2/NDF:1770210890176581

Out: 142.361+/-0.000 χ^2/NDF:1903728432749442

All: -0.131+/-0.000 χ^2/NDF: 3817969510386



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: -977.754+/-0.000 χ^2/NDF: 27738577206732848108512194068 48.0/27

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

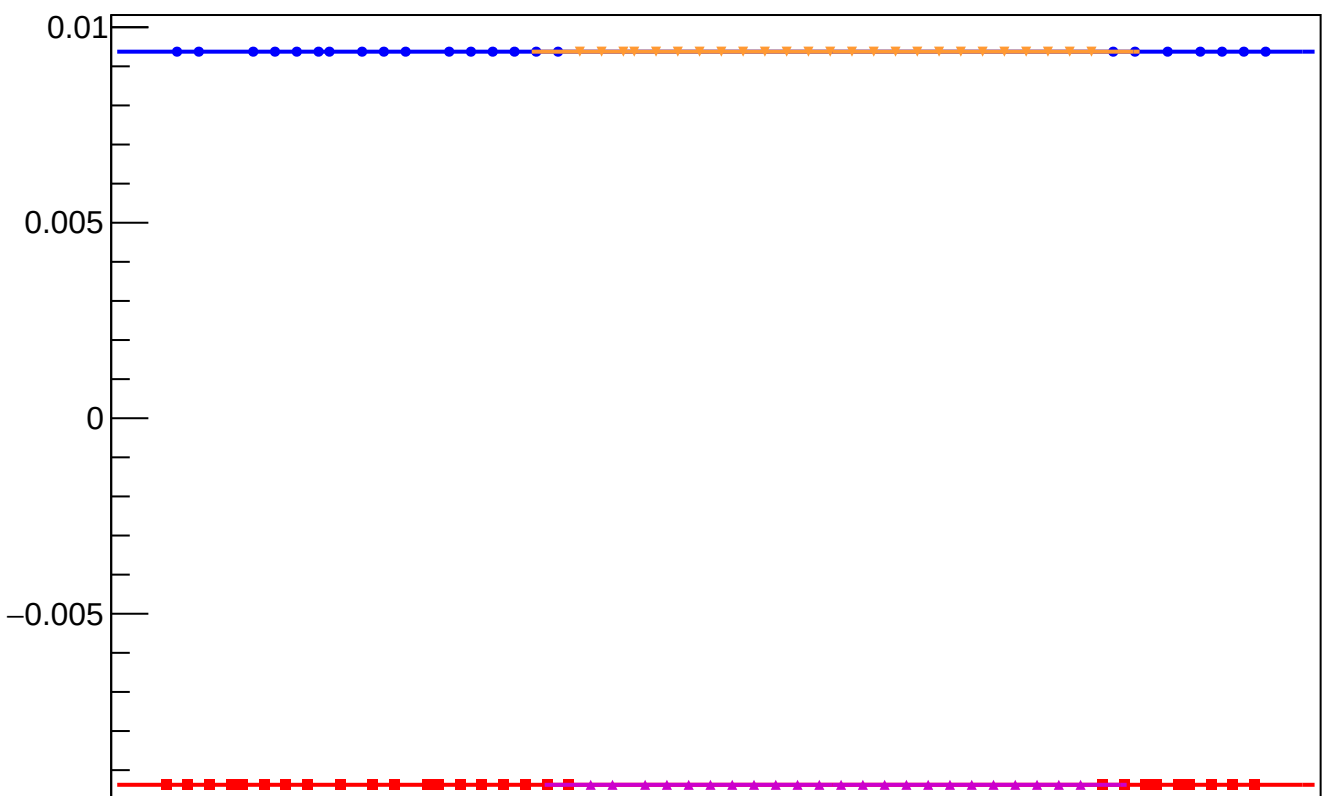
Right: -48.061+/-0.000 χ^2/NDF: 254159793133685

In: -196.894+/-0.000 χ^2/NDF:2910325517023835

Out: 177.452+/-0.000 χ^2/NDF:3158073083970996

All: -2.818+/-0.000 χ^2/NDF: 6298921783076

hesDipole_current_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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

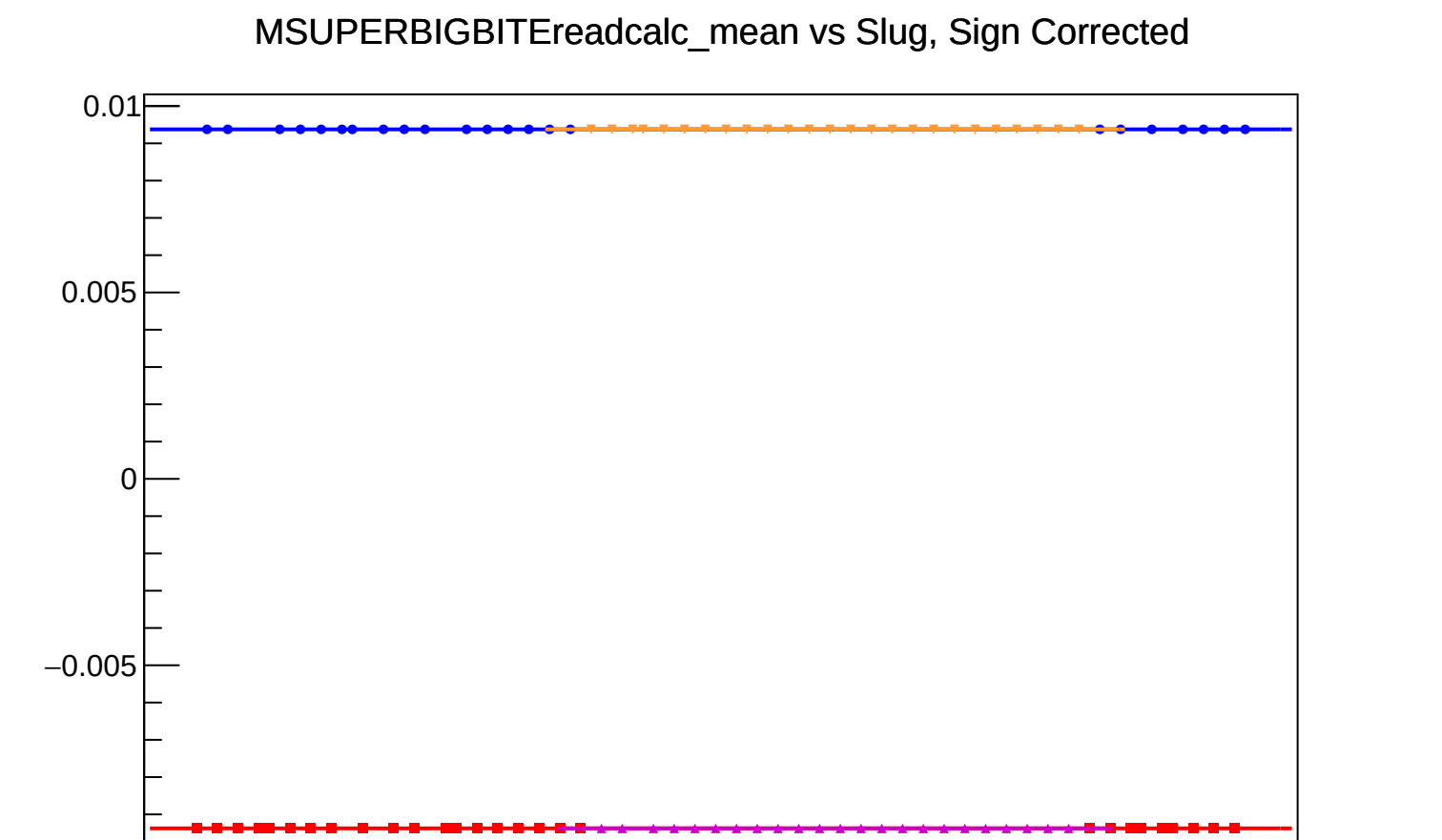
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485



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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

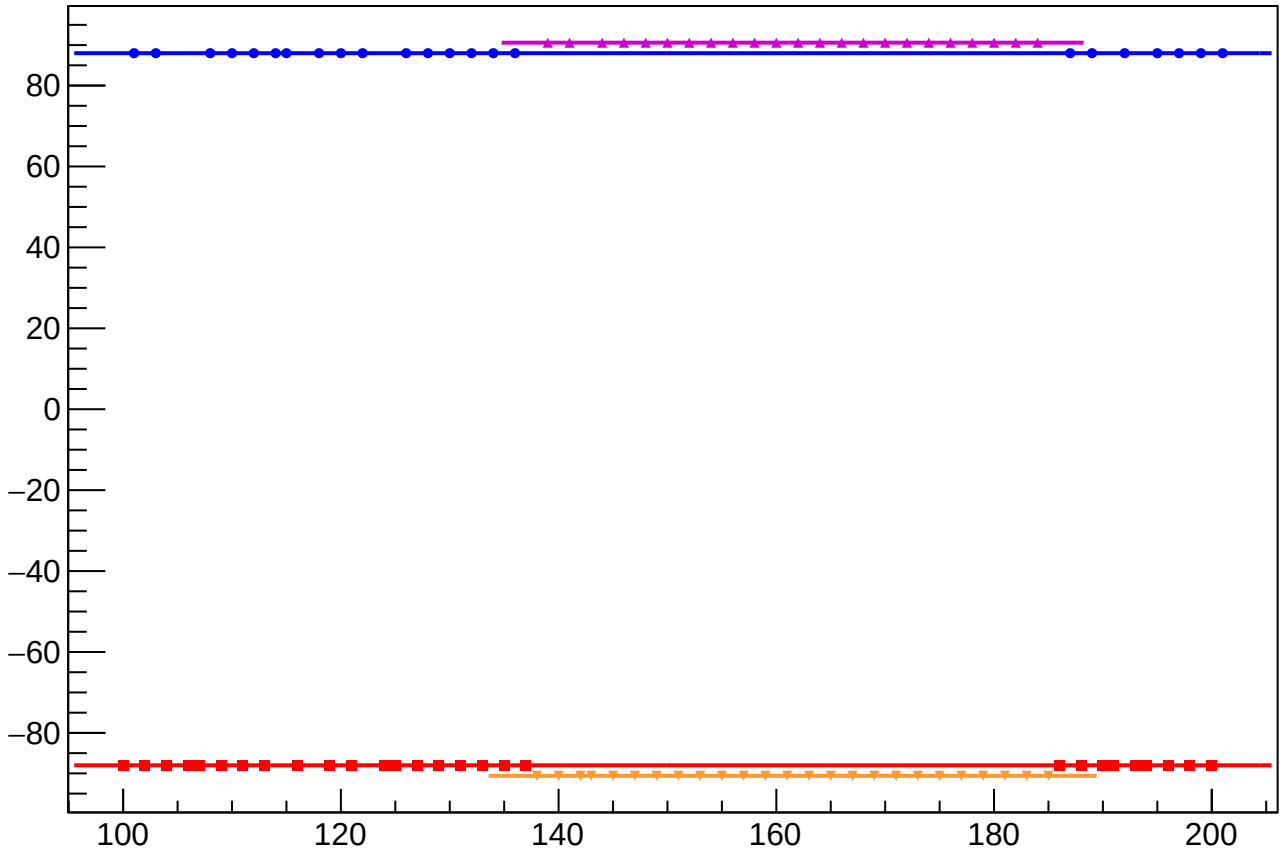
Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485

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: 75760353382774028450366750720.0/27

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

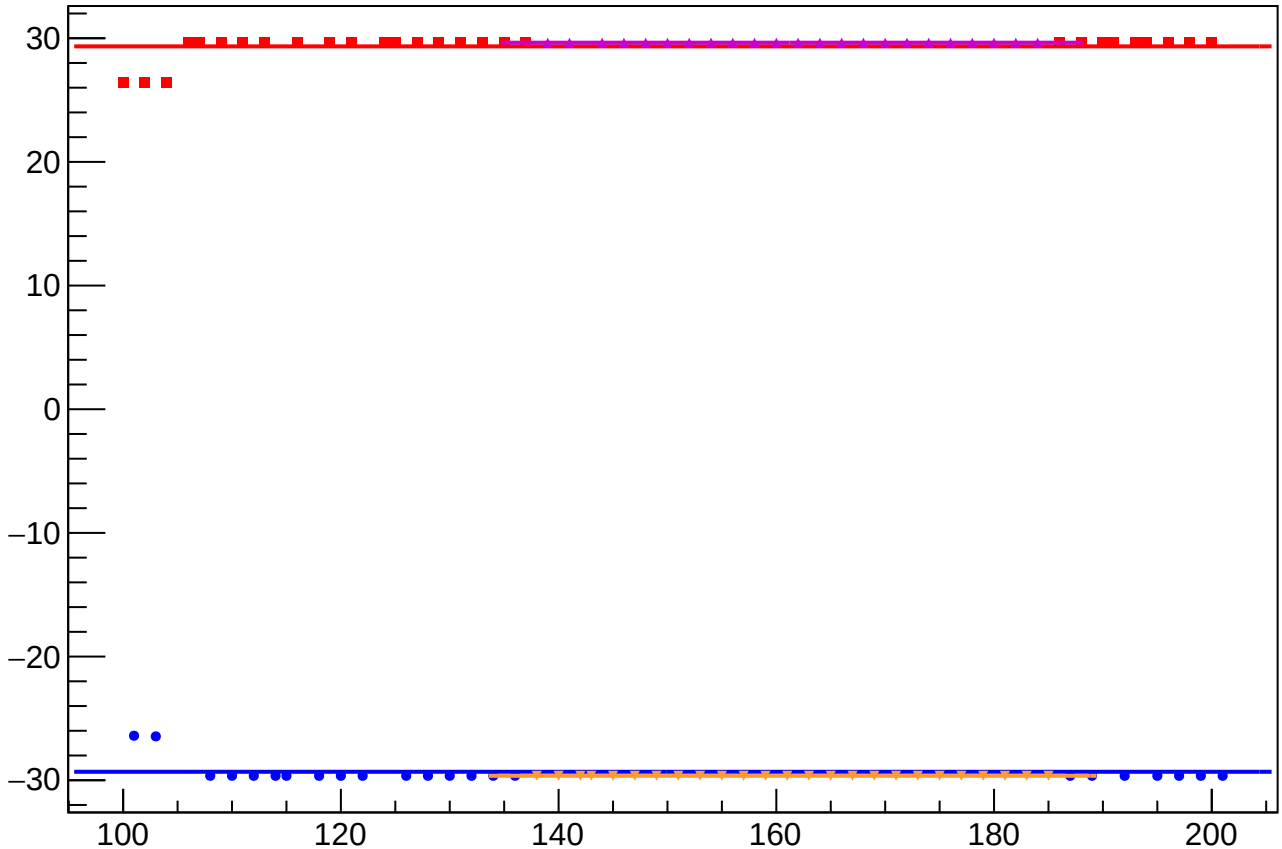
Right: -4.327+/-0.000 χ^2/NDF: 2058856758582594

In: 89.562+/-0.000 χ^2/NDF:513932660721253069

Out: -89.536+/-0.000 χ^2/NDF:5570572065086599

All: -3.290+/-0.000 χ^2/NDF: 5277624115894

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: 29.342+/-0.000 χ^2/NDF: 12292329167382045234877906687098 88.0/27

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

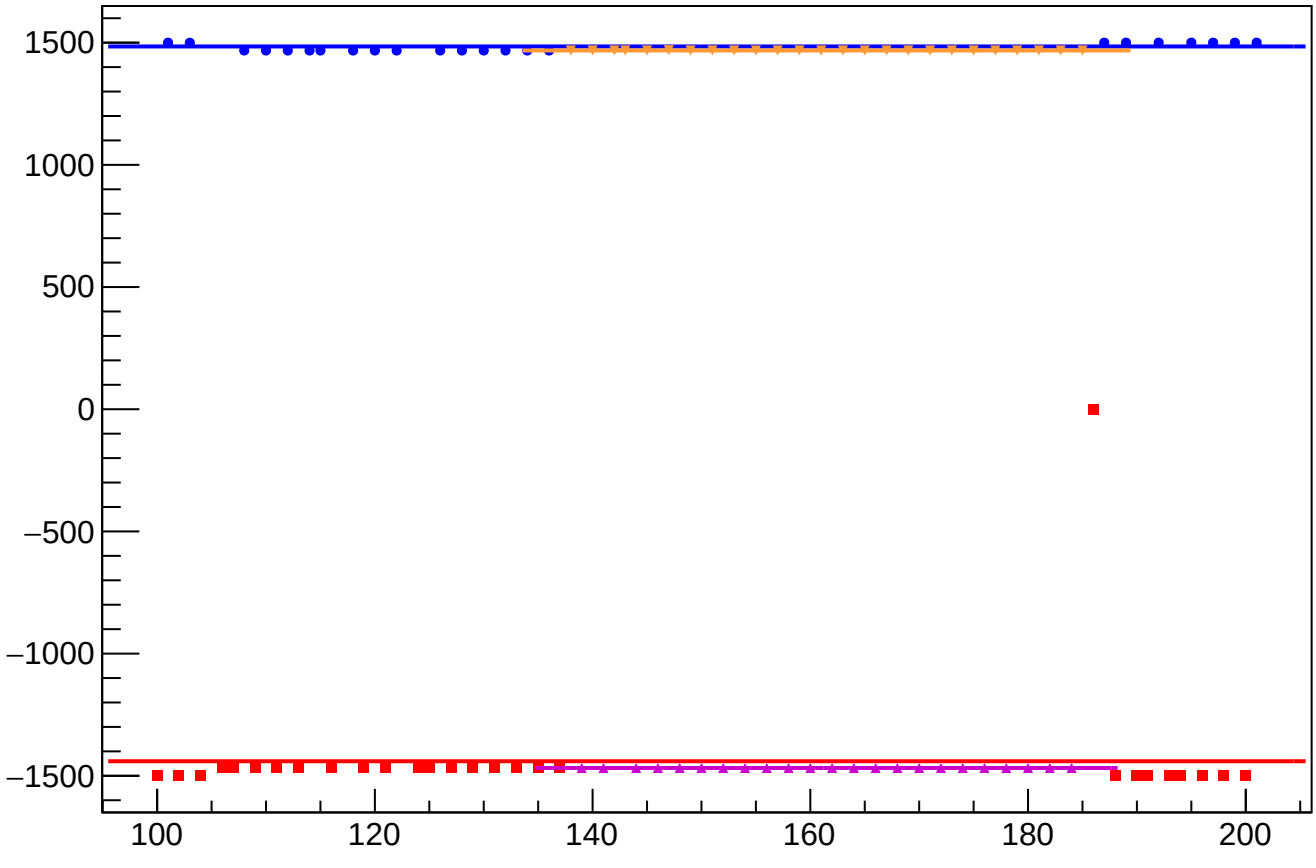
Right: 1.455+/-0.000 χ^2/NDF: 22892605463909443

In: 6.099+/-0.000 χ^2/NDF:26466107050716579 15

Out: -5.502+/-0.000 χ^2/NDF:28746326181153666

All: 0.084+/-0.000 χ^2/NDF: 57423658263709

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1484.483+/-0.000 χ^2/NDF: 3234692653758420596439233581767720960/22

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1440.415+/-0.000 χ^2/NDF: 90185407707462708934009538248618016768.0/27

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

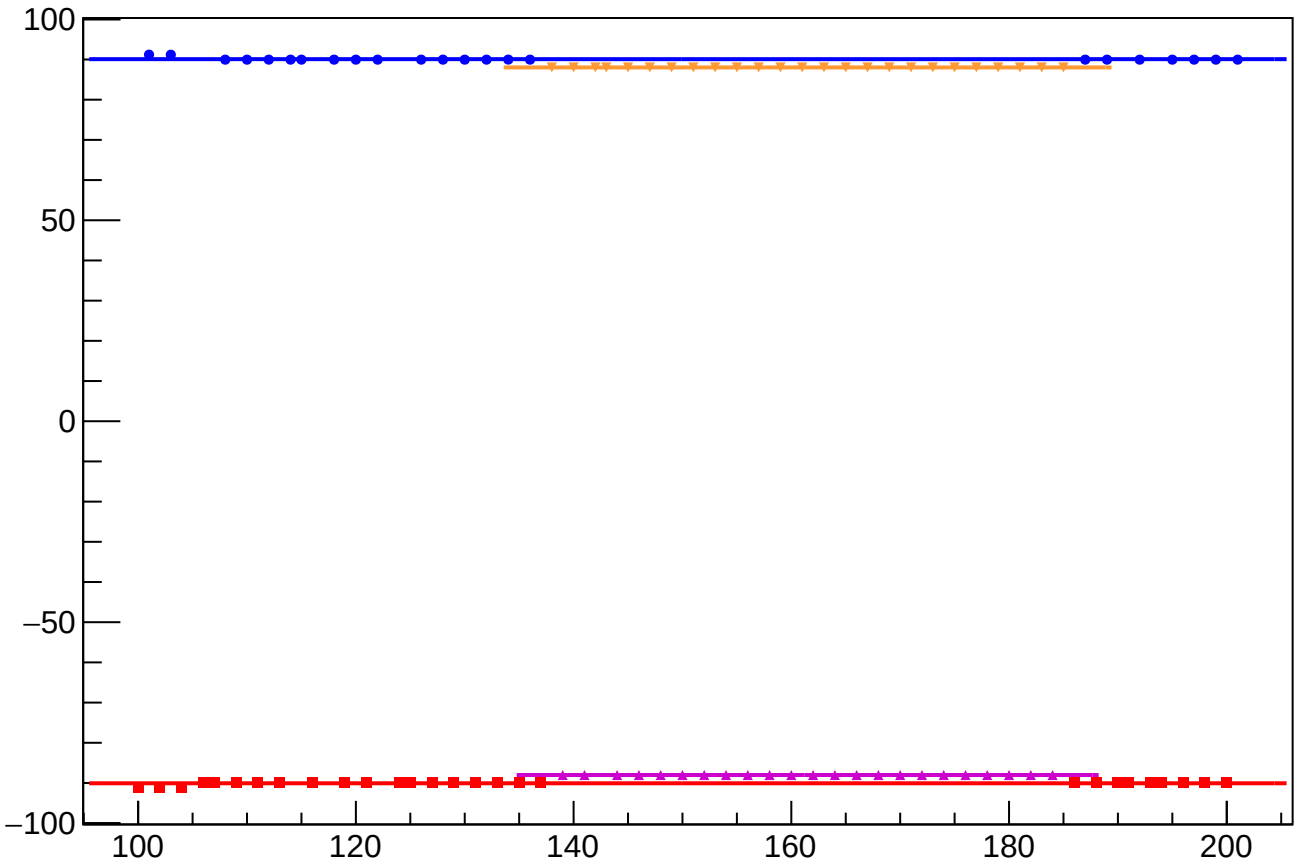
Right: -49.854+/-0.000 χ^2/NDF: 5776522425049939

In: -289.050+/-0.000 χ^2/NDF:6634733587128830

Out: 277.759+/-0.000 χ^2/NDF:7076340847837413

All: 4.807+/-0.000 χ^2/NDF: 14239571714808

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: -90.074+/-0.000 χ^2/NDF: 1800476806867184325575582563696 64.0/27

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

Right: -4.423+/-0.000 χ^2/NDF: 215724817129621 08

In: -16.902+/-0.000 χ^2/NDF:24142598920084714

Out: 15.135+/-0.000 χ^2/NDF:26194739527593394

All: -0.293+/-0.000 χ^2/NDF: 5202580100617

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: 18070814016240841396322304.0/27

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

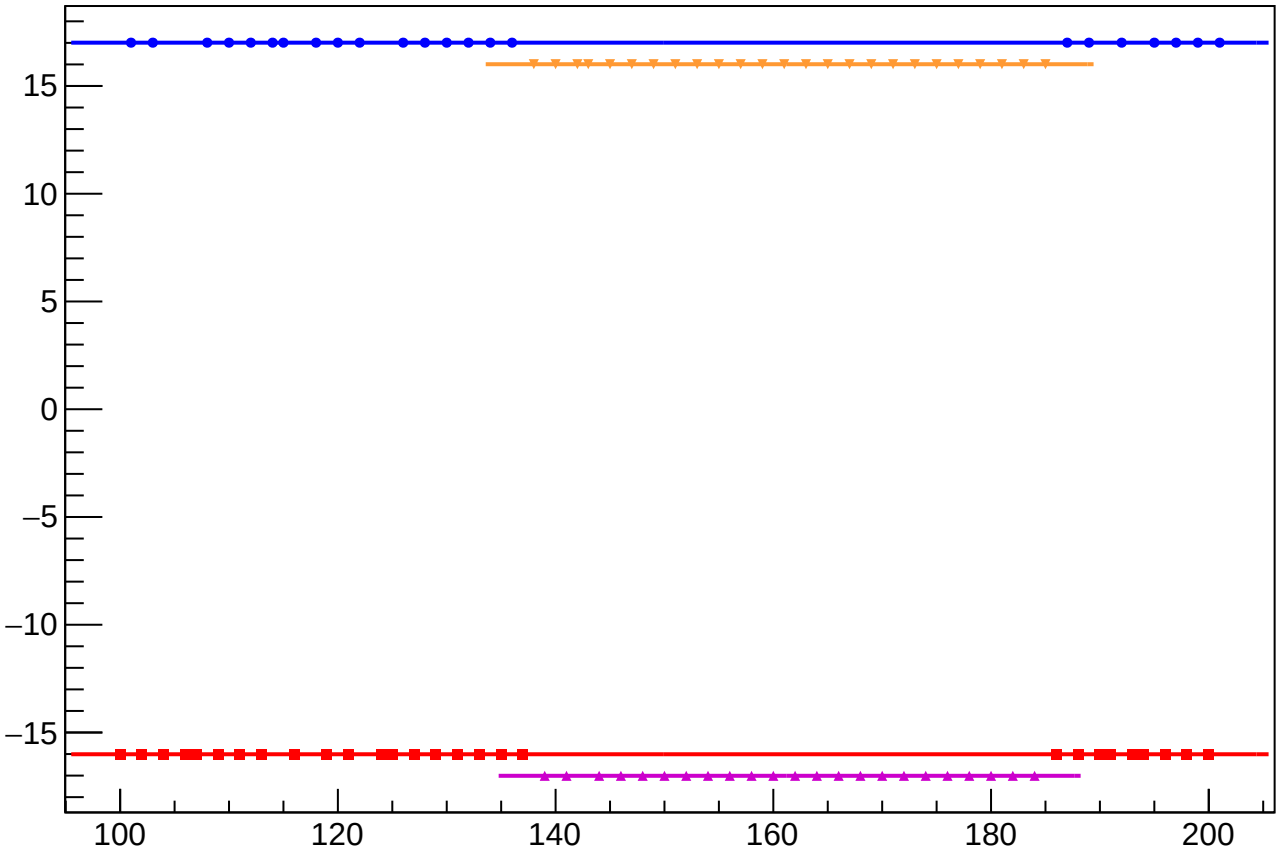
Right: -1.146+/-0.000 χ^2/NDF: 6955920167412528

In: -2.890+/-0.000 χ^2/NDF:74310152965196719 0

Out: 2.892+/-0.000 χ^2/NDF:899053711704538585

All: 0.096+/-0.000 χ^2/NDF: 16938841058732

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: 394645.0/27

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

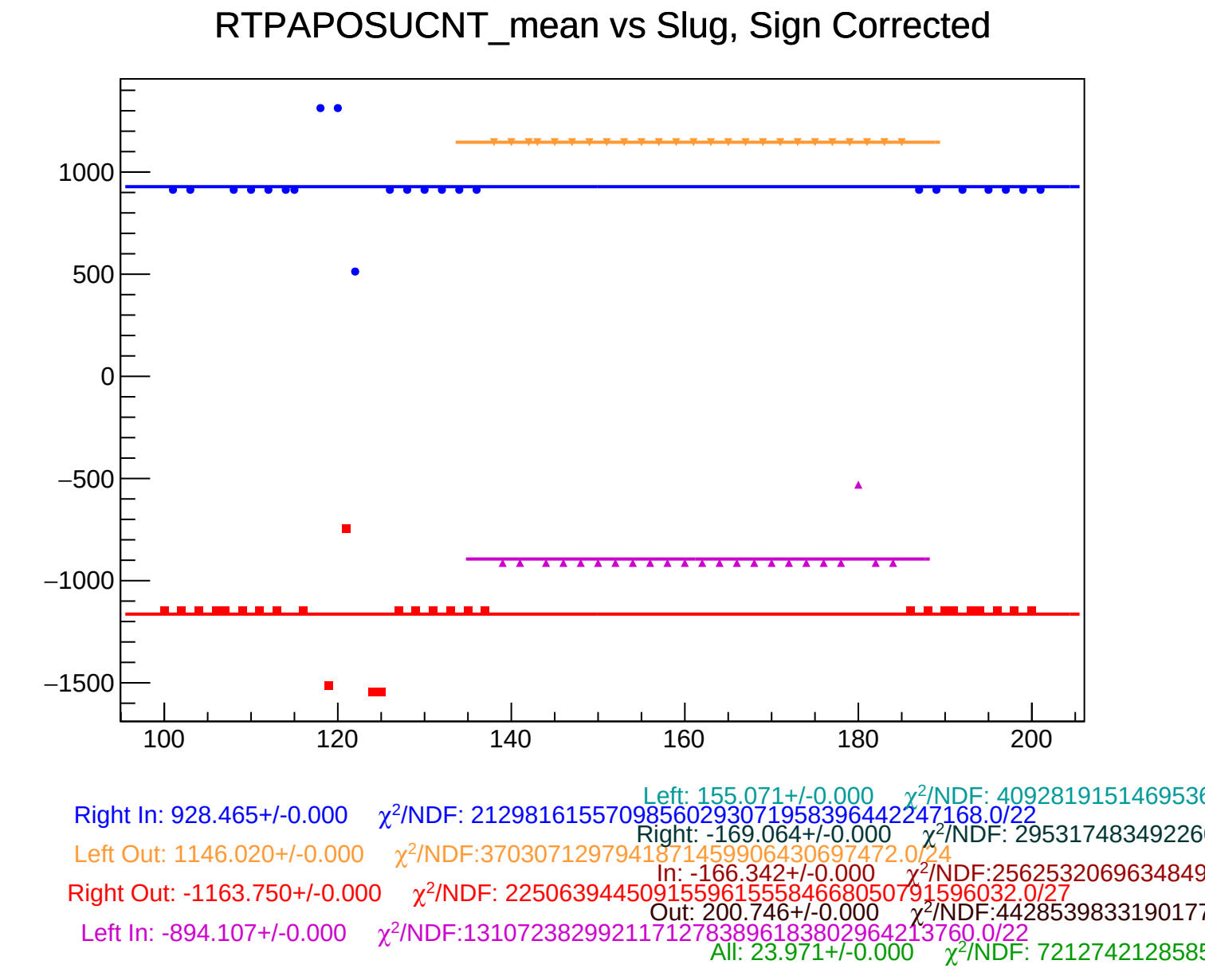
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

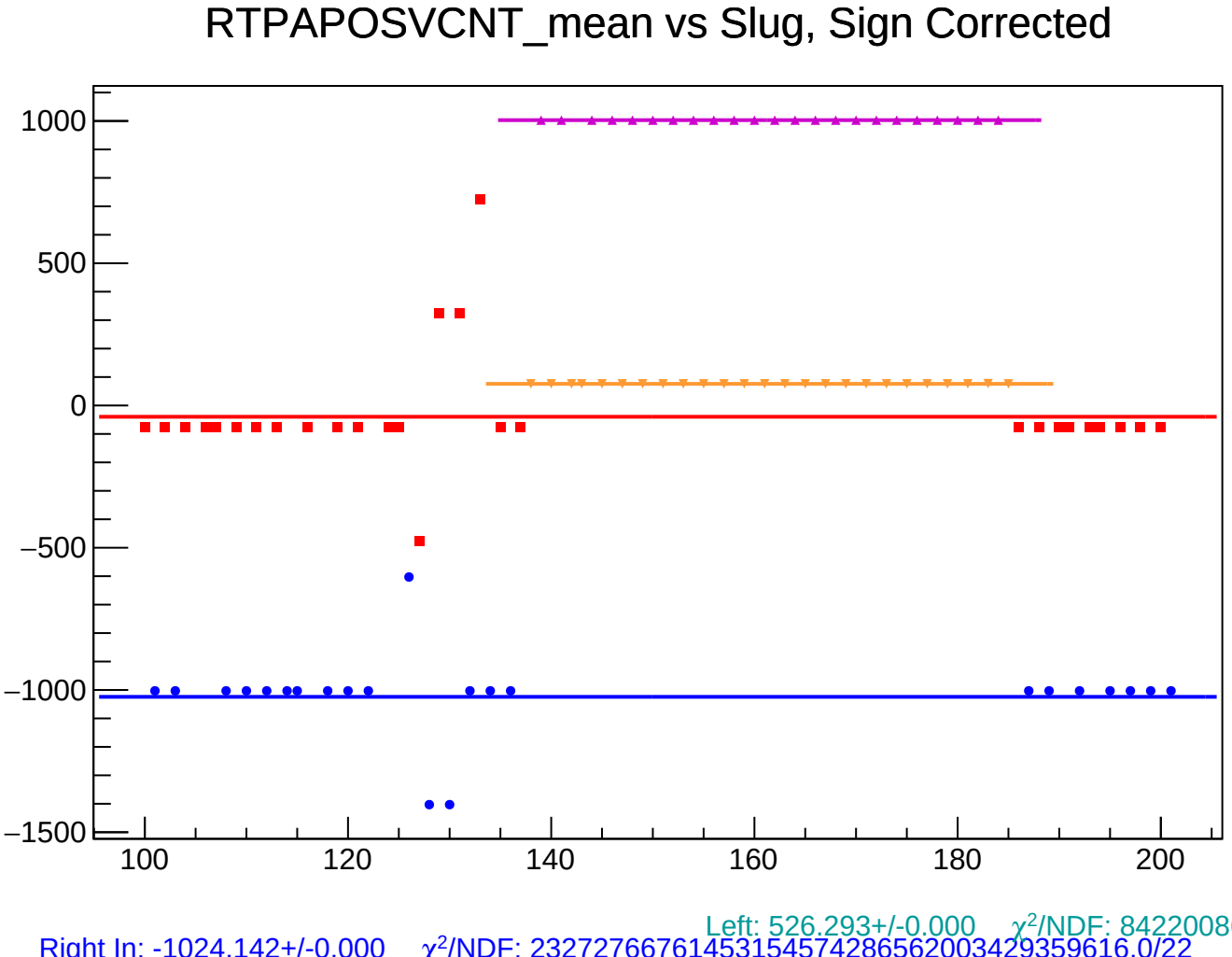
Right: -0.512+/-0.000 χ^2/NDF: 7133243242258581

In: -3.448+/-0.000 χ^2/NDF:858089842744830340

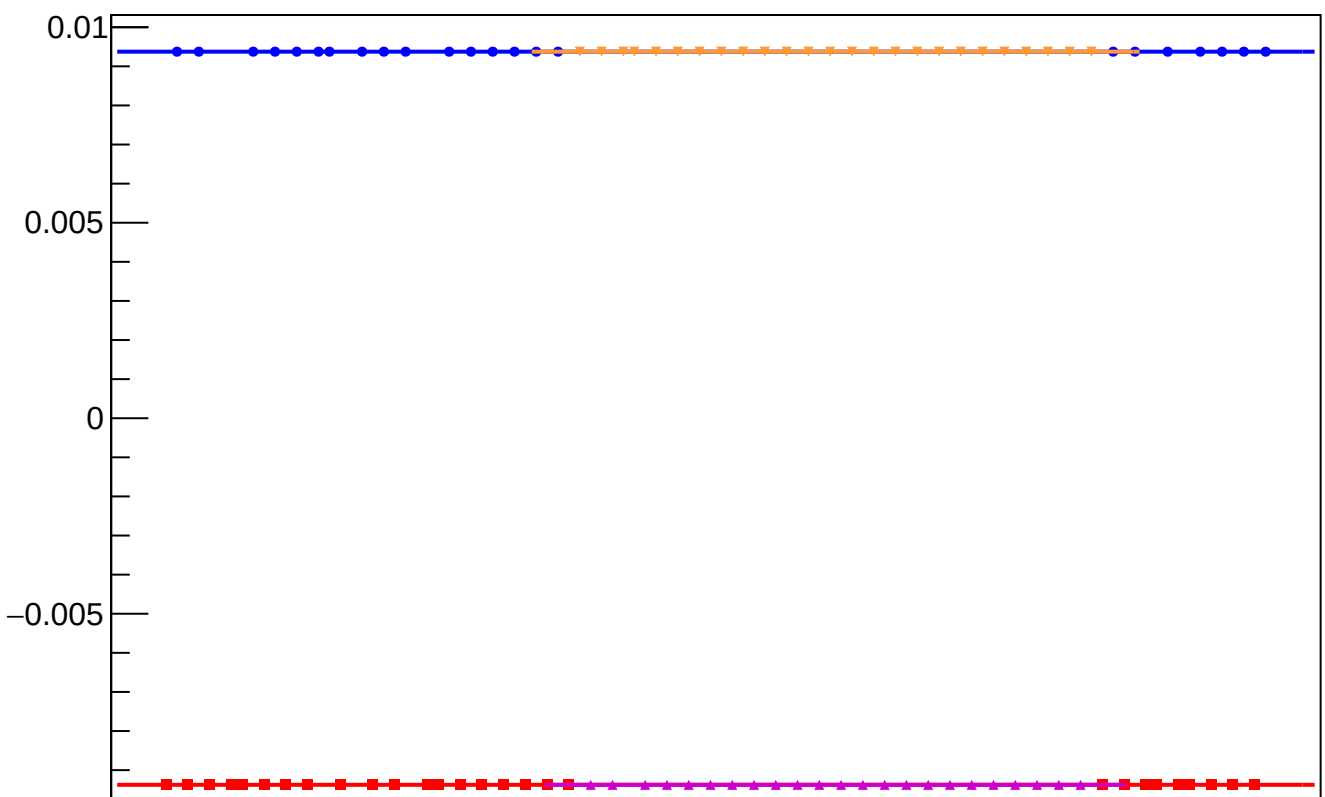
Out: 2.827+/-0.000 χ^2/NDF:840763186954680095

All: -0.168+/-0.000 χ^2/NDF: 176251084712O


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: -1163.750+/-0.000 χ²/NDF: 225063944509155961555846680507915960320/27
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -169.064+/-0.000 χ²/NDF: 29531748349226
In: -166.342+/-0.000 χ²/NDF:2562532069634849
Out: 200.746+/-0.000 χ²/NDF:4428539833190177
All: 23.971+/-0.000 χ²/NDF: 7212742128585


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: -507.711+/-0.000 χ²/NDF: 71502219161002
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 193.543+/-0.000 χ²/NDF:3150744287627855
Right Out: -39.673+/-0.000 χ²/NDF: 475937930015290069964227956386 47816192.0/27
Out: 28.692+/-0.000 χ²/NDF:5865419198937743
Left In: 1002.990+/-0.000 χ²/NDF:295195590334831475309726924 8.0/22
All: 108.078+/-0.000 χ²/NDF: 3254102835

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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

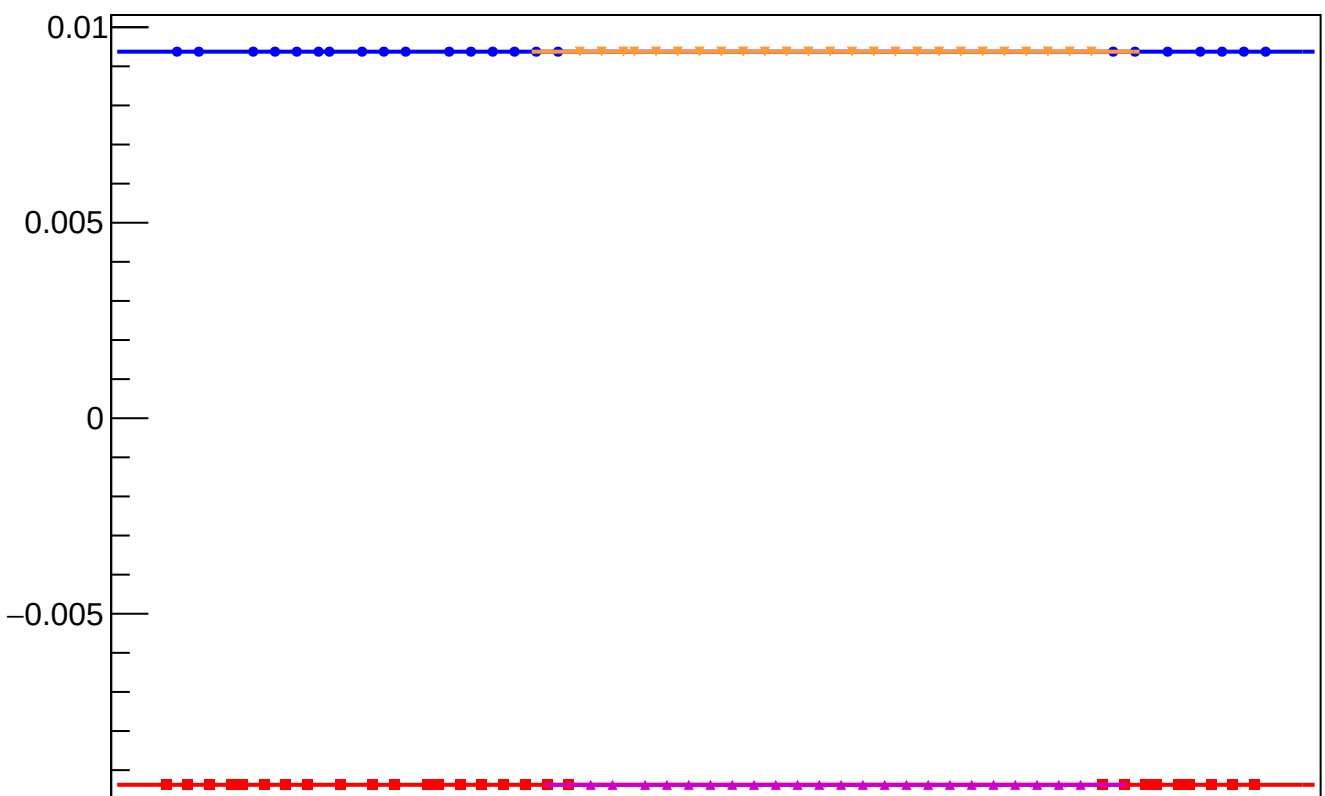
Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485

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: 0.2/27

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2336625527673540

In: -0.002+/-0.000 χ^2/NDF:26756665123699901

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5791065127485