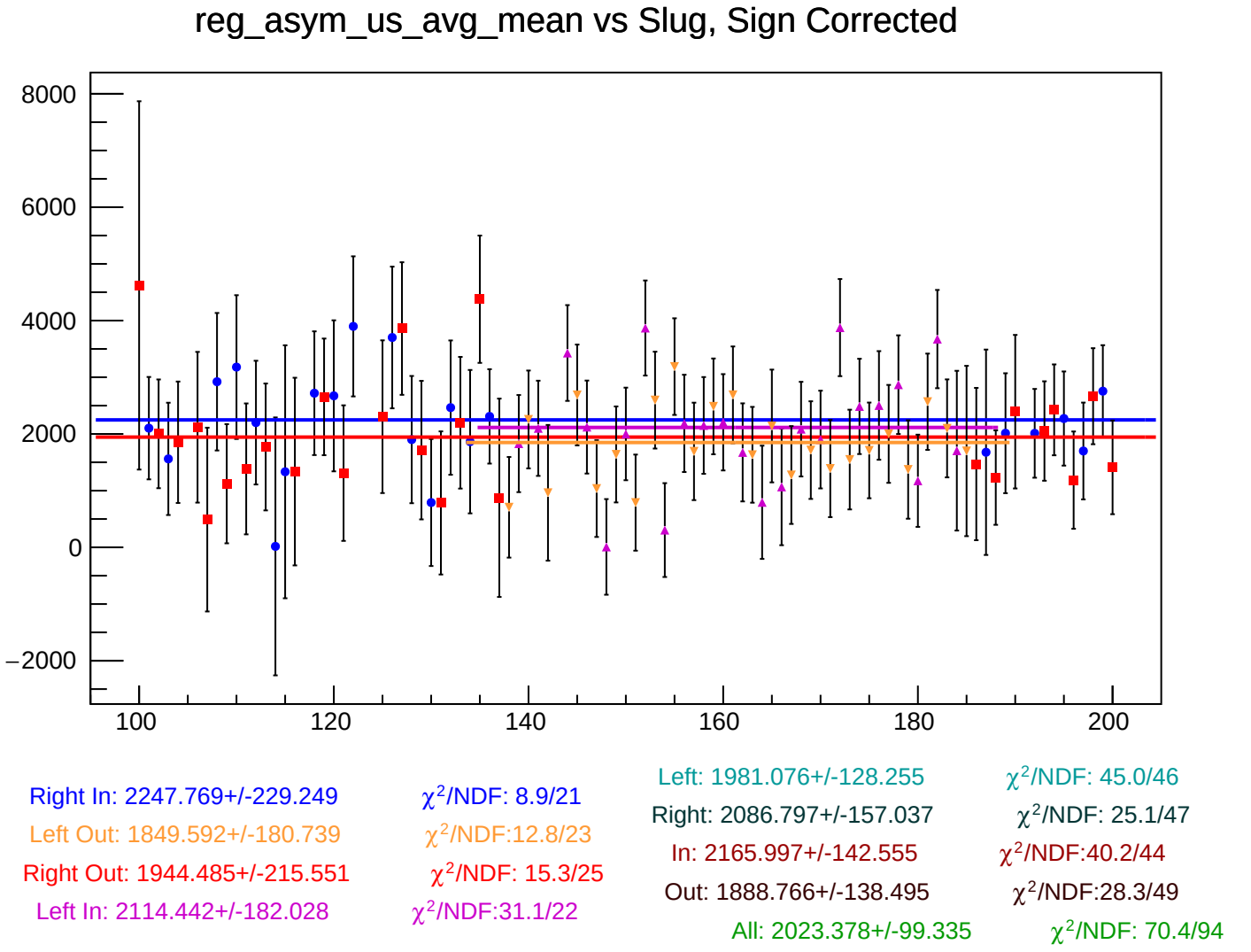
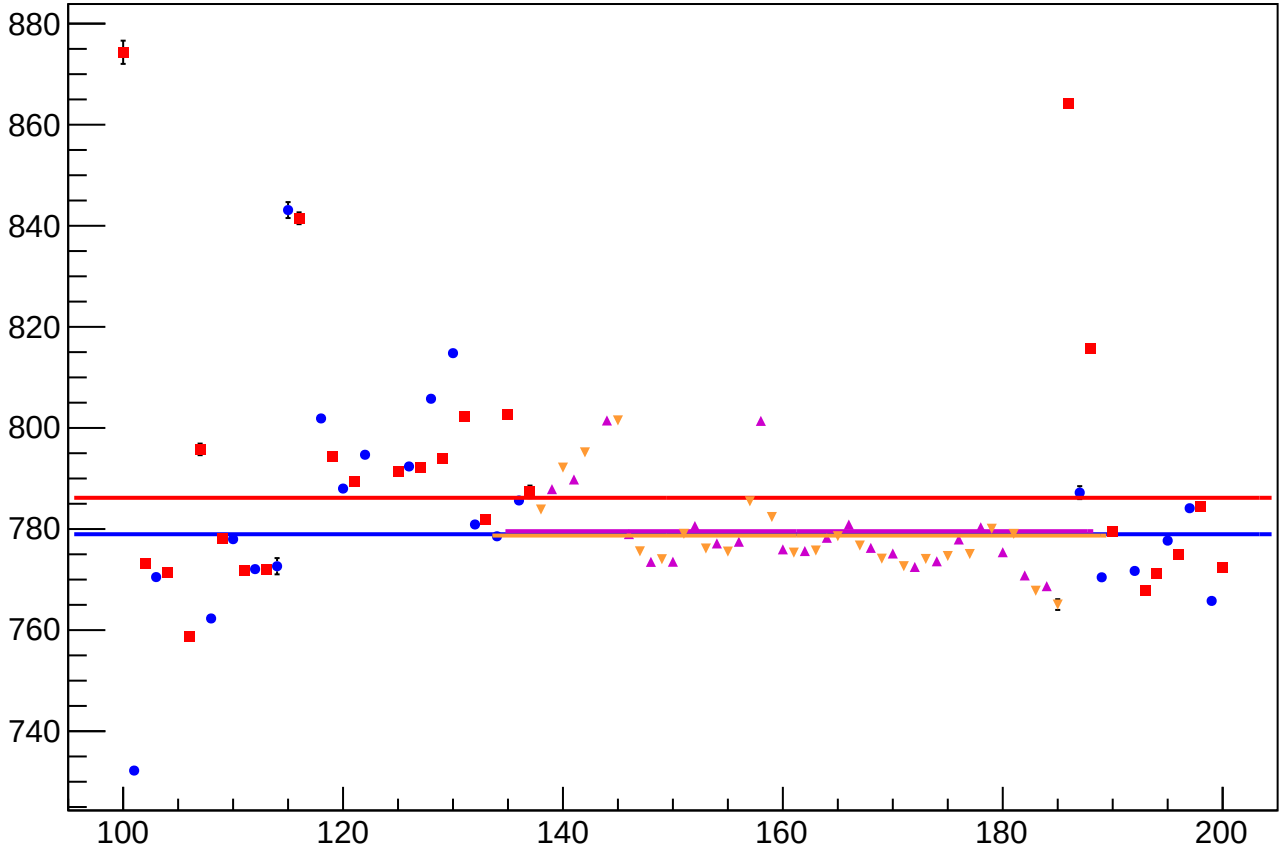

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2247.769+/-229.249
χ²/NDF: 8.9/21
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1944.485+/-215.551
χ²/NDF: 15.3/25
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2086.797+/-157.037
χ²/NDF: 25.1/47
In: 2165.997+/-142.555
χ²/NDF:40.2/44
Out: 1888.766+/-138.495
χ²/NDF:28.3/49
All: 2023.378+/-99.335
χ²/NDF: 70.4/94

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

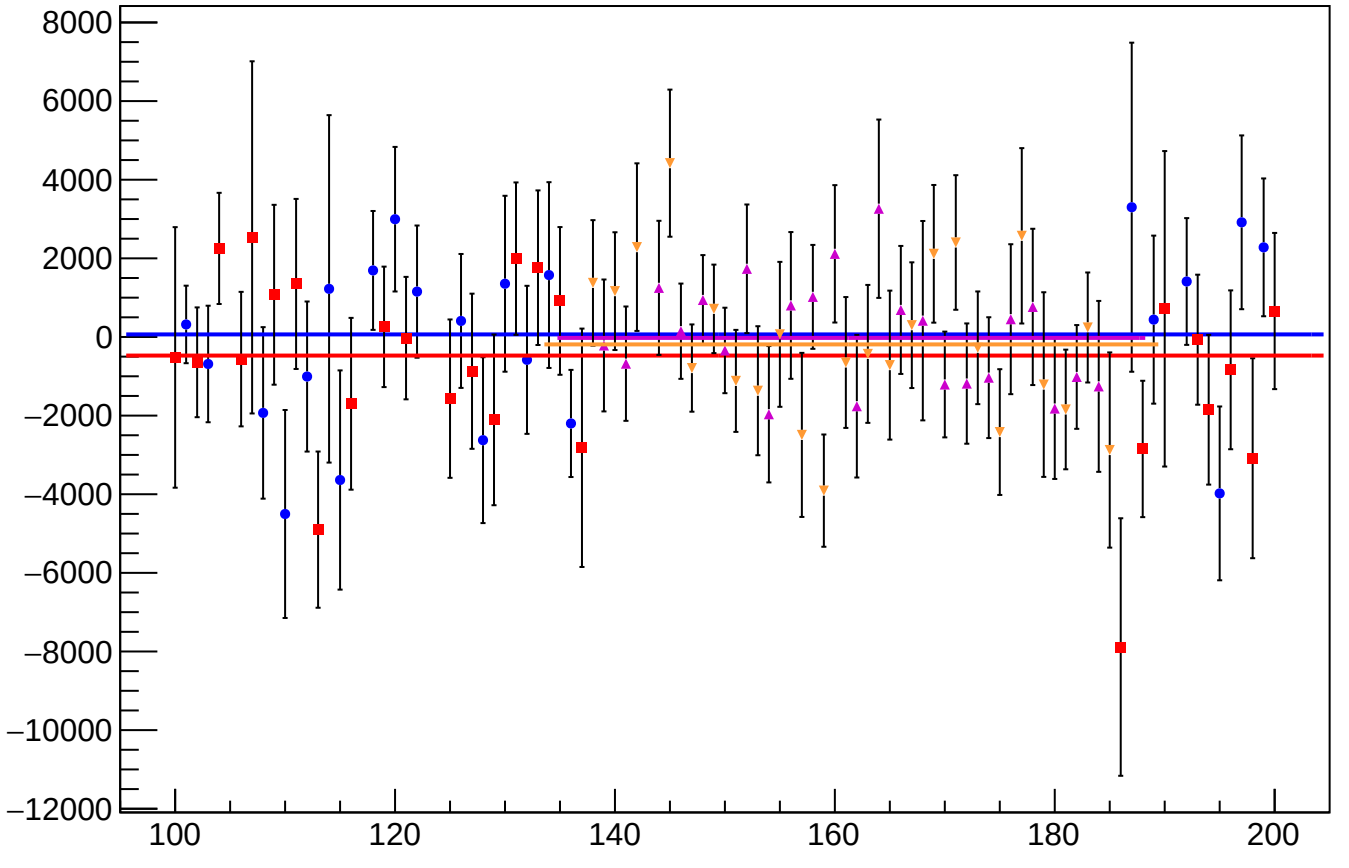
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.798+/-0.111 χ^2/NDF: 33512.6/47

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

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

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

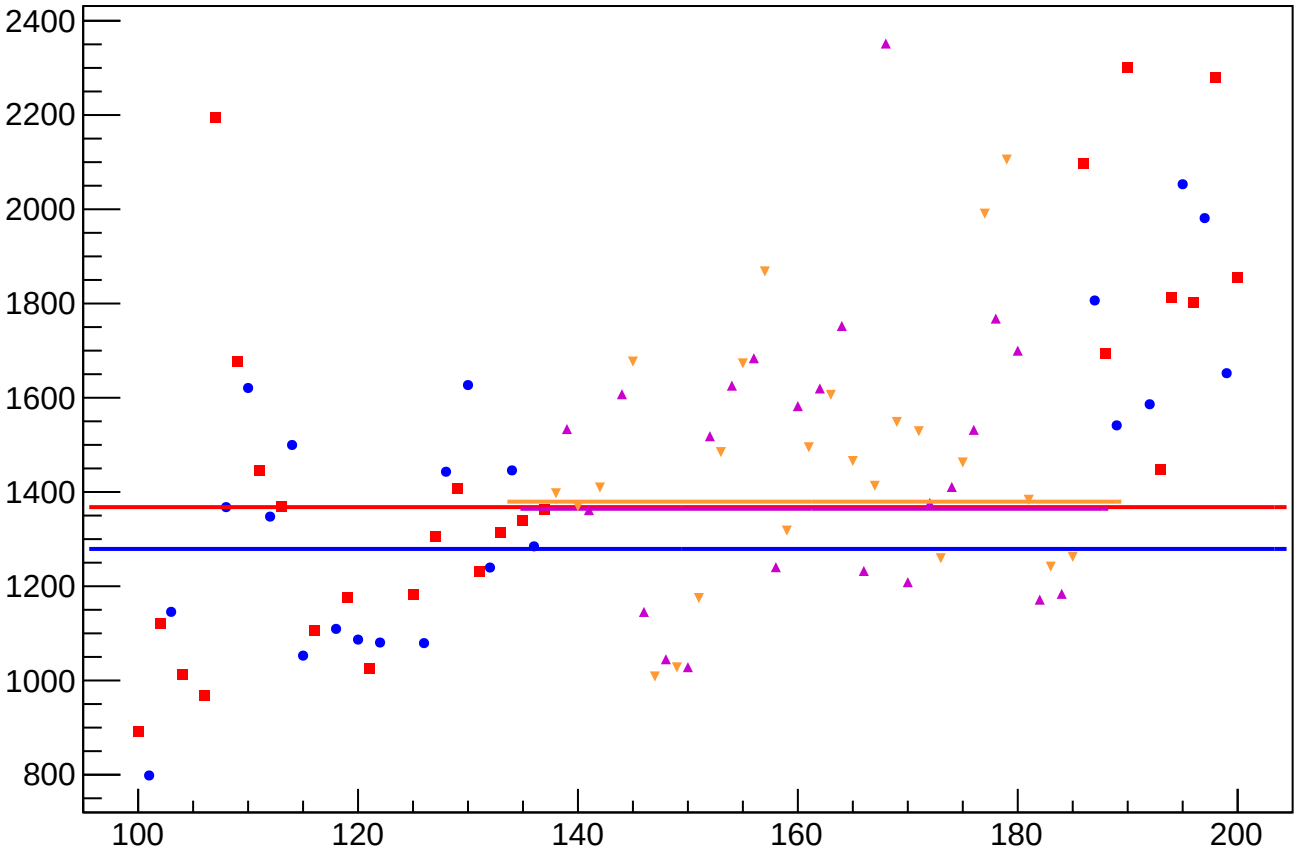
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -205.348+/-275.664 χ^2/NDF: 49.6/47

In: 12.724+/-250.287 χ^2/NDF:37.1/44

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

All: -146.937+/-177.071 χ^2/NDF: 92.8/94



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

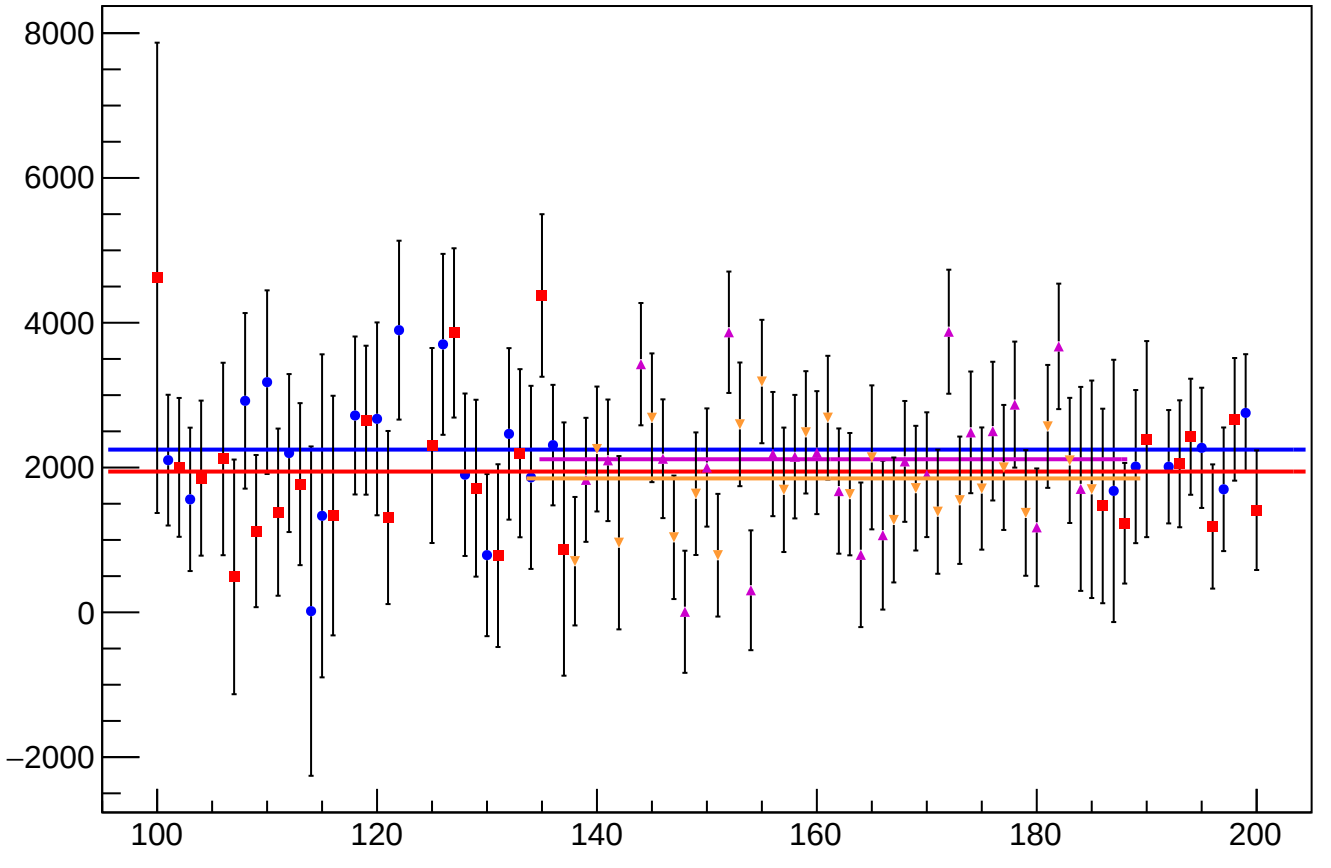
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1323.787+/-0.195 χ^2/NDF: 2943797.8/47

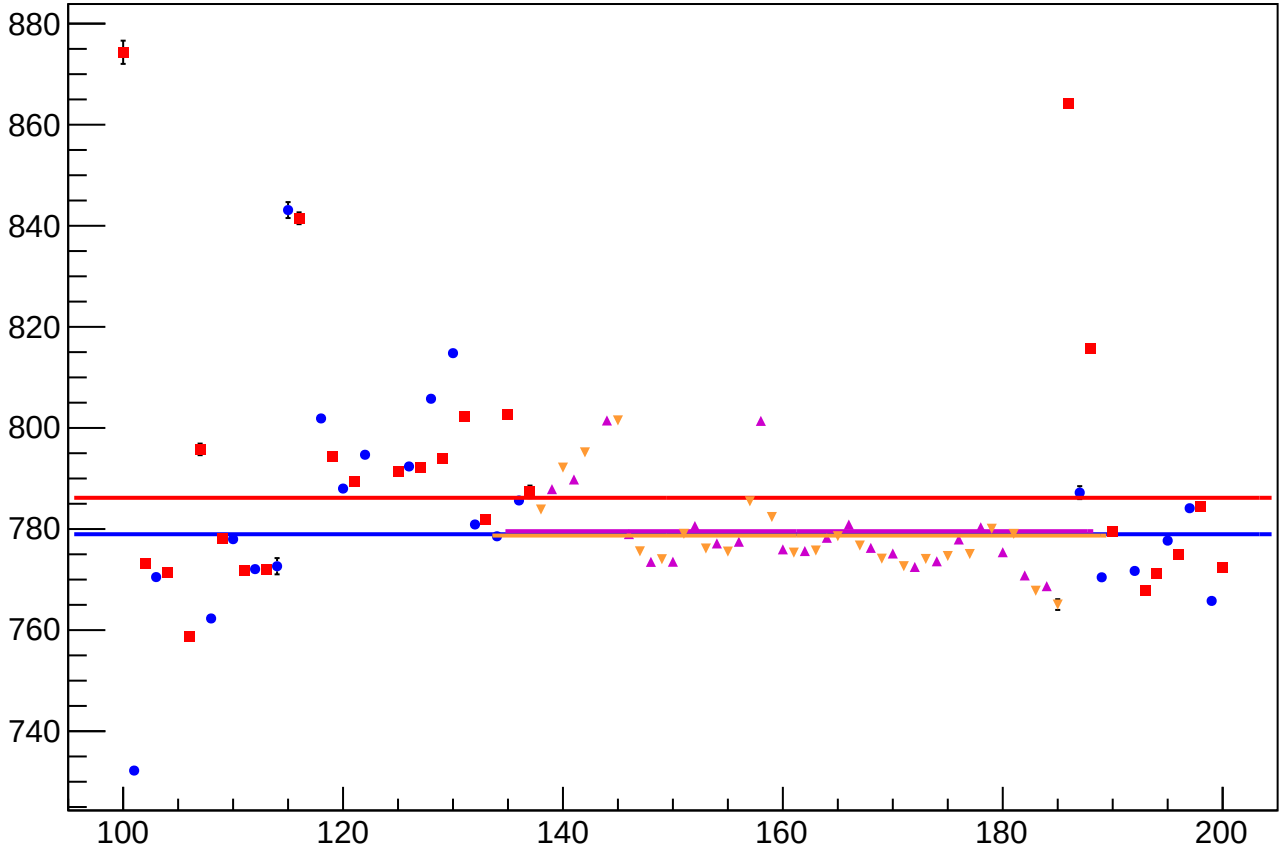
In: 1329.478+/-0.177 χ^2/NDF:2763243.1/44

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

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94


cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2247.769+/-229.249 χ²/NDF: 8.9/21
Left Out: 1849.592+/-180.739 χ²/NDF:12.8/23
Right Out: 1944.485+/-215.551 χ²/NDF: 15.3/25
Left In: 2114.442+/-182.028 χ²/NDF:31.1/22
Left: 1981.076+/-128.255 χ²/NDF: 45.0/46
Right: 2086.797+/-157.037 χ²/NDF: 25.1/47
In: 2165.997+/-142.555 χ²/NDF:40.2/44
Out: 1888.766+/-138.495 χ²/NDF:28.3/49
All: 2023.378+/-99.335 χ²/NDF: 70.4/94

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

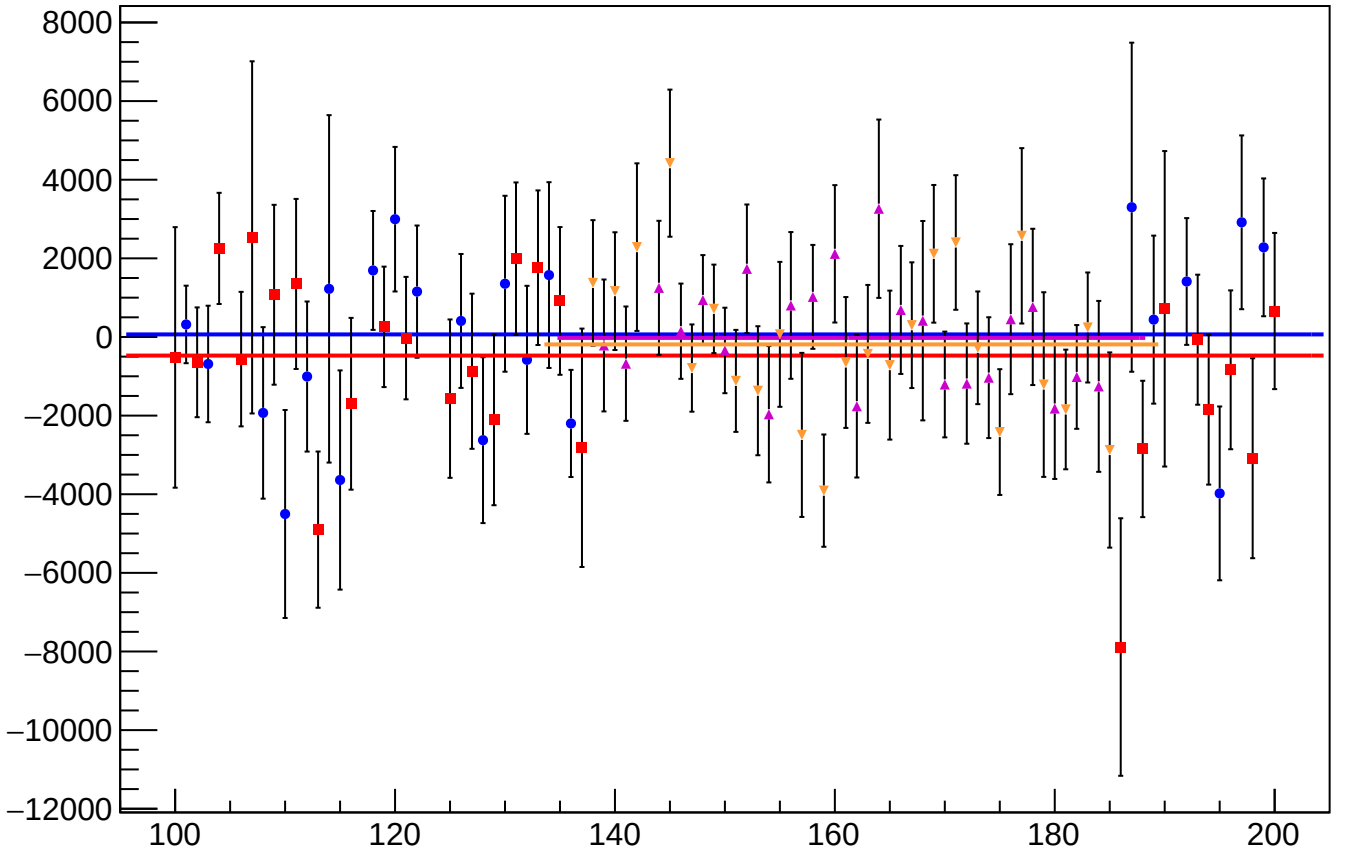
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.798+/-0.111 χ^2/NDF: 33512.6/47

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

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

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

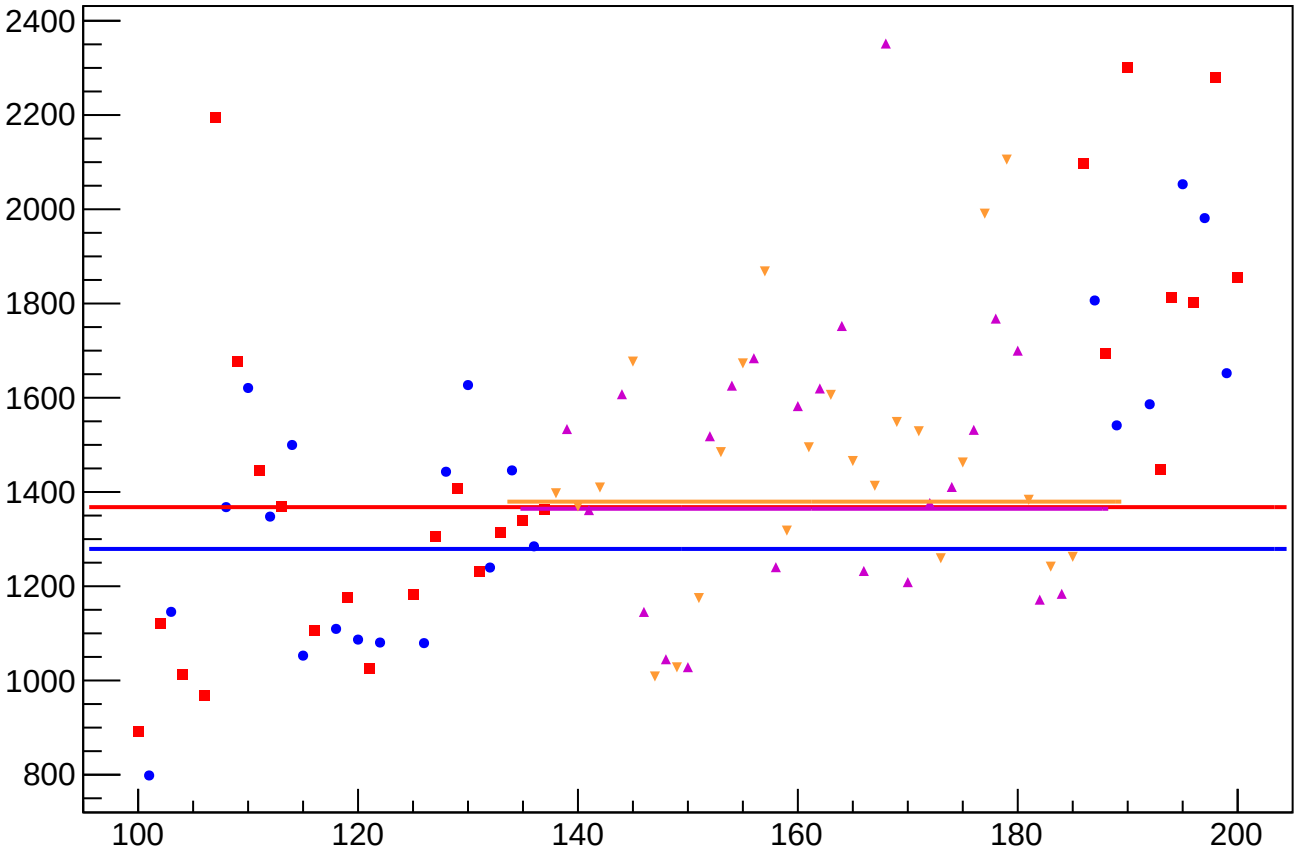
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -205.348+/-275.664 χ^2/NDF: 49.6/47

In: 12.724+/-250.287 χ^2/NDF:37.1/44

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

All: -146.937+/-177.071 χ^2/NDF: 92.8/94



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

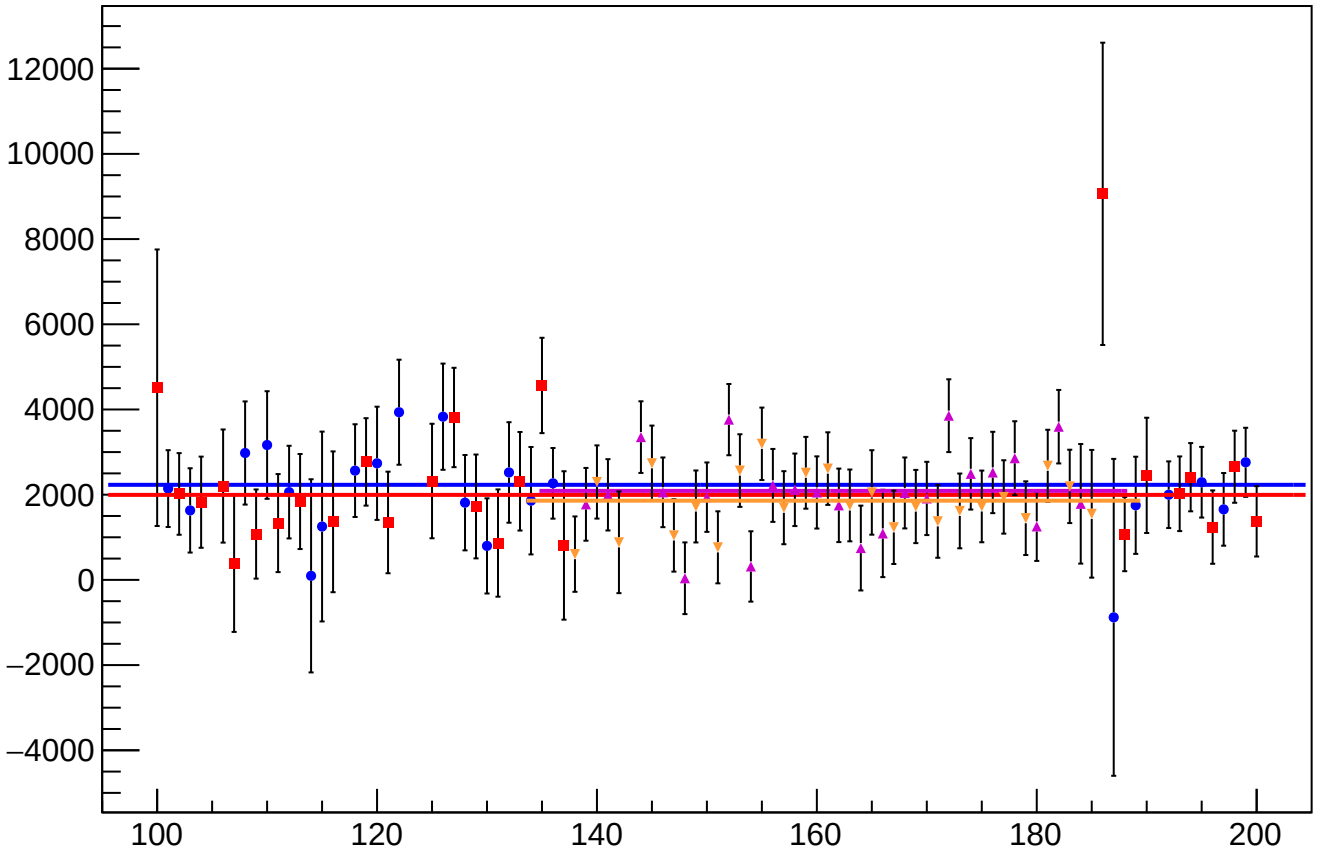
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1323.787+/-0.195 χ^2/NDF: 2943797.8/47

In: 1329.478+/-0.177 χ^2/NDF:2763243.1/44

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

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94



Right In: 2231.566+/-231.005 χ^2/NDF: 10.0/21

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

Right Out: 1995.351+/-218.326 χ^2/NDF: 20.3/25

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

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

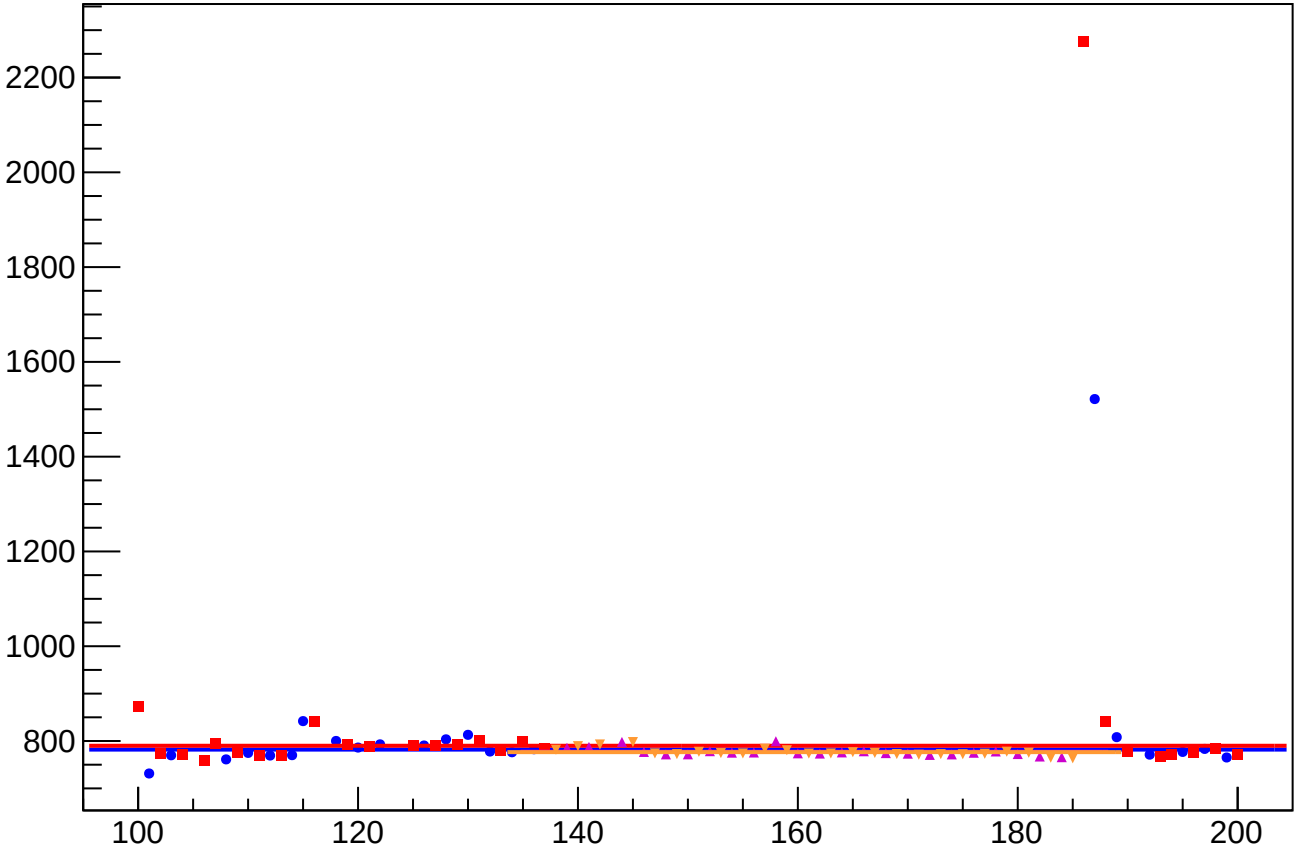
Right: 2106.798+/-158.673 χ^2/NDF: 30.9/47

In: 2143.729+/-142.729 χ^2/NDF:39.8/44

Out: 1914.575+/-138.990 χ^2/NDF:34.1/49

All: 2026.111+/-99.576 χ^2/NDF: 75.2/94

overload_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.870+/-0.163 χ^2/NDF: 93606.9/21

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

Right Out: 789.966+/-0.154 χ^2/NDF: 369839.5/25

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

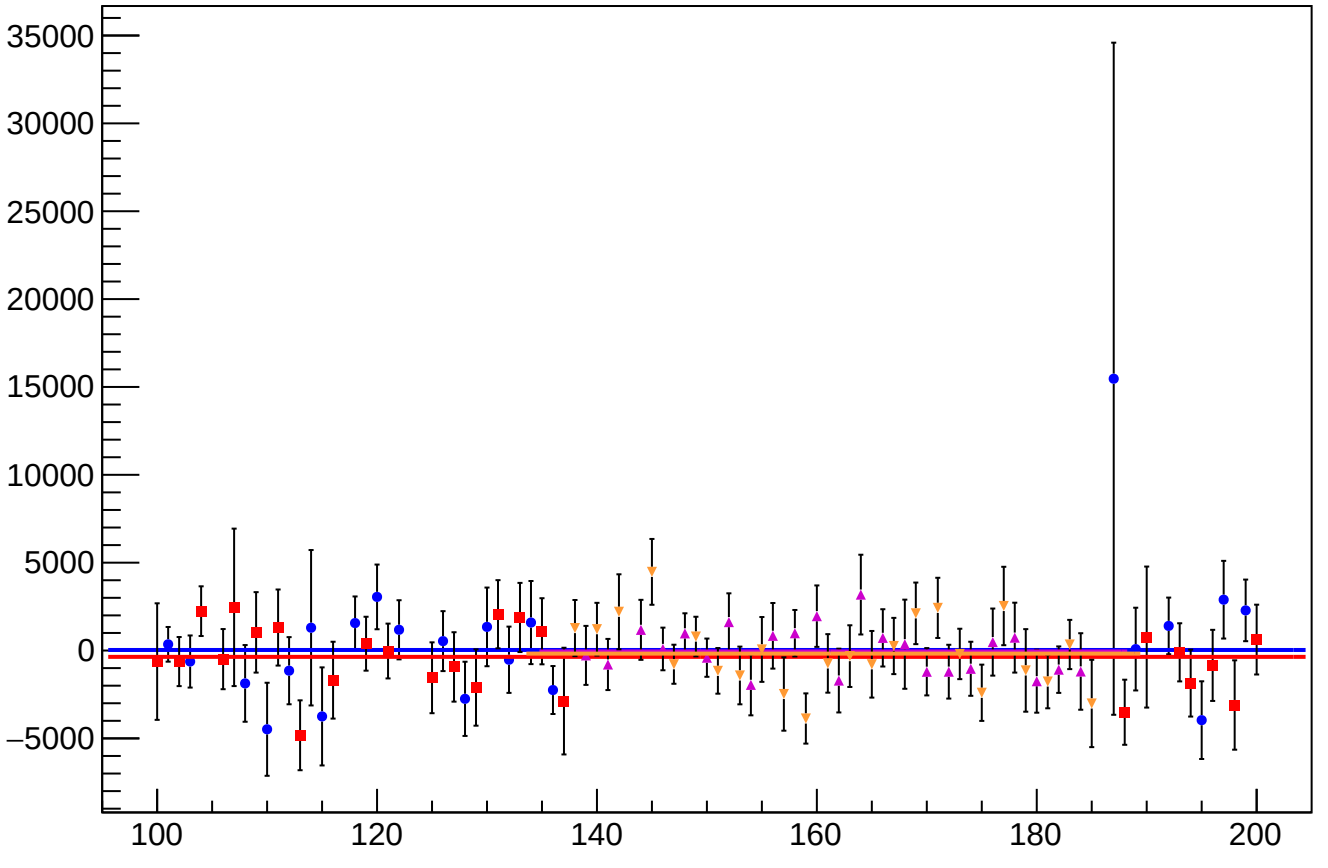
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 786.146+/-0.112 χ^2/NDF: 464744.1/47

In: 779.114+/-0.101 χ^2/NDF:98129.3/44

Out: 781.971+/-0.098 χ^2/NDF:377486.3/49

All: 780.581+/-0.070 χ^2/NDF: 476026.9/94



Right In: 31.718+/-394.078 χ^2/NDF: 23.9/21

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

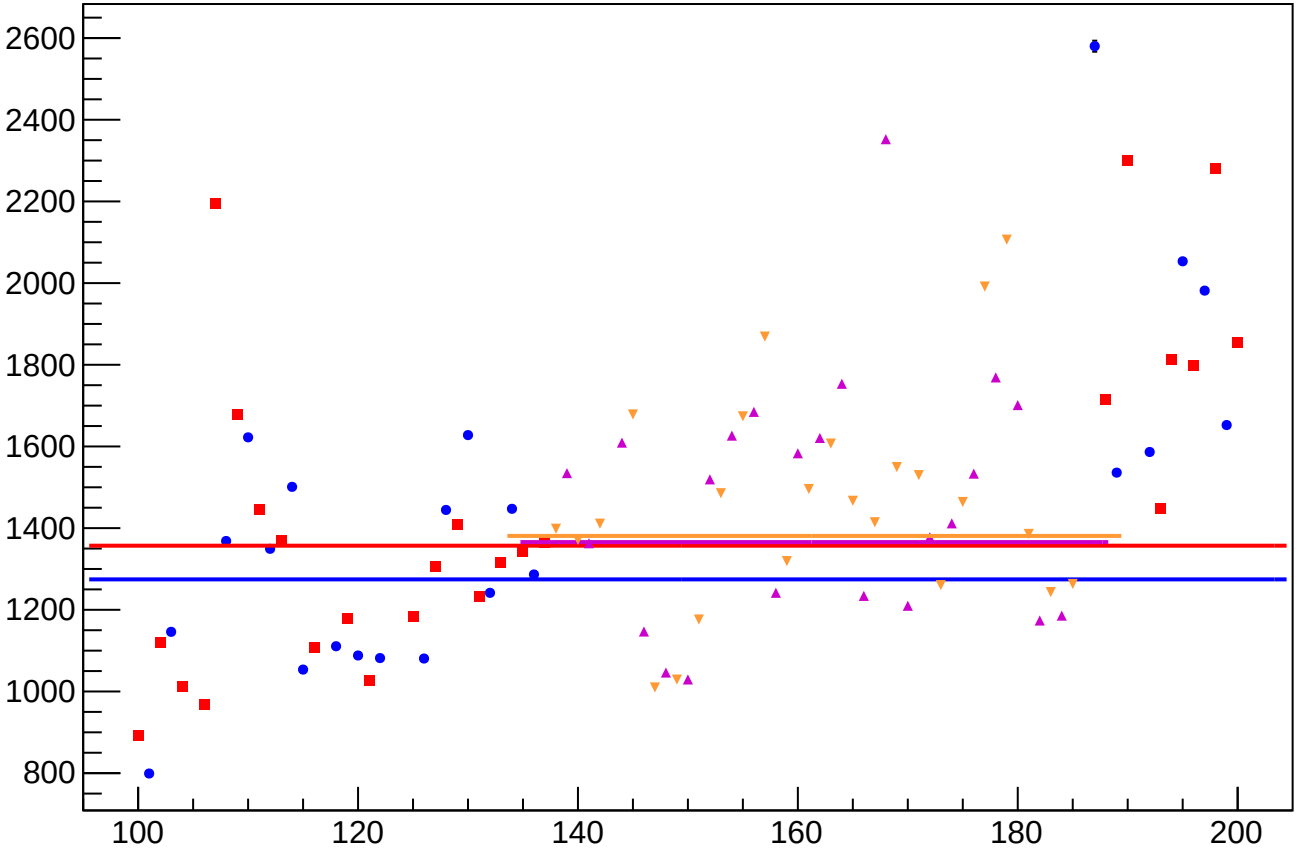
Right: -164.819+/-278.293 χ^2/NDF: 45.2/46

In: -18.457+/-251.247 χ^2/NDF:36.9/44

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

All: -134.479+/-177.864 χ^2/NDF: 87.8/93

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1274.500+/-0.279 χ^2/NDF: 1362924.5/21

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

Right Out: 1357.009+/-0.278 χ^2/NDF: 1389803.1/24

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

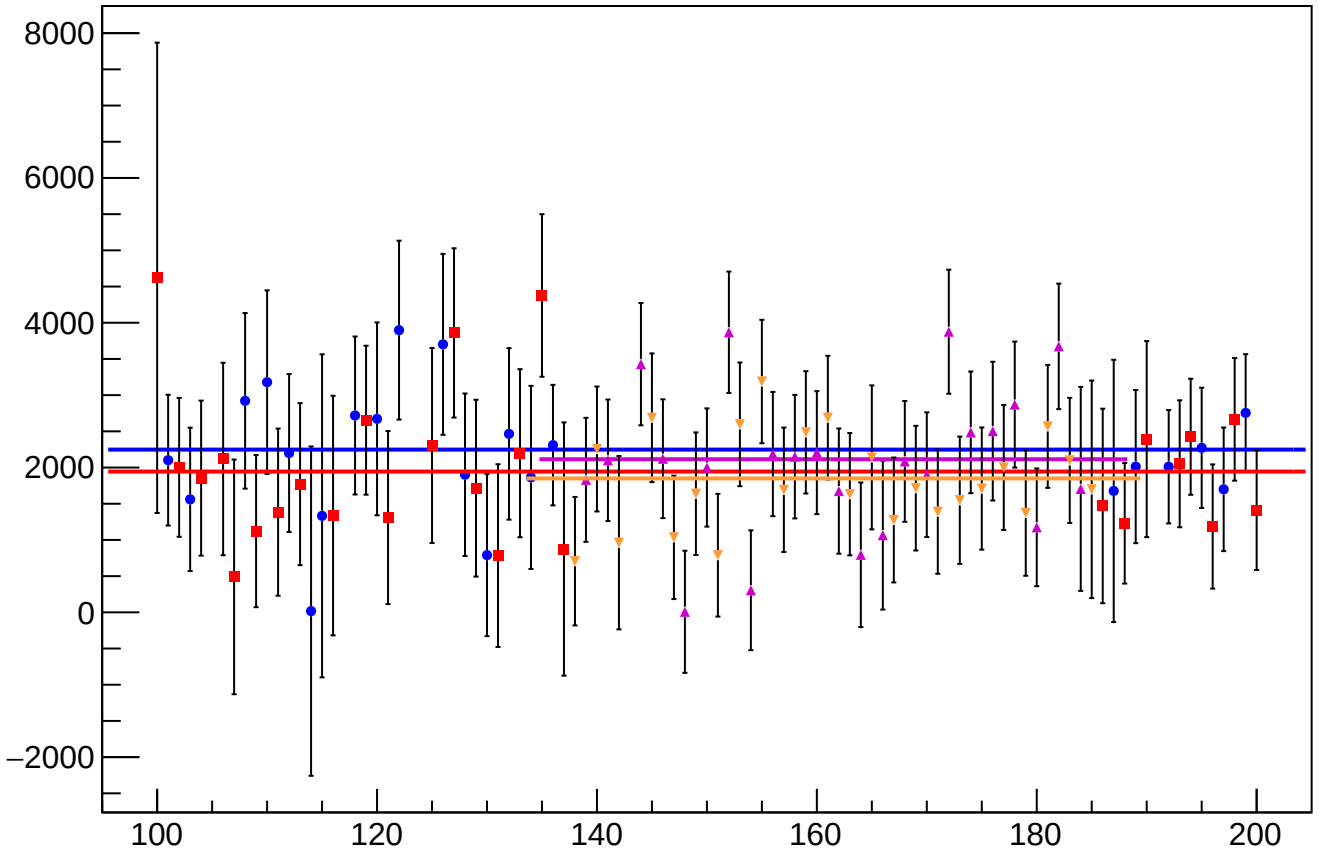
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1315.862+/-0.197 χ^2/NDF: 2796678.2/46

In: 1328.695+/-0.178 χ^2/NDF:2735517.5/44

Out: 1371.124+/-0.178 χ^2/NDF:2549615.6/48

All: 1349.860+/-0.126 χ^2/NDF: 5313584.8/93



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

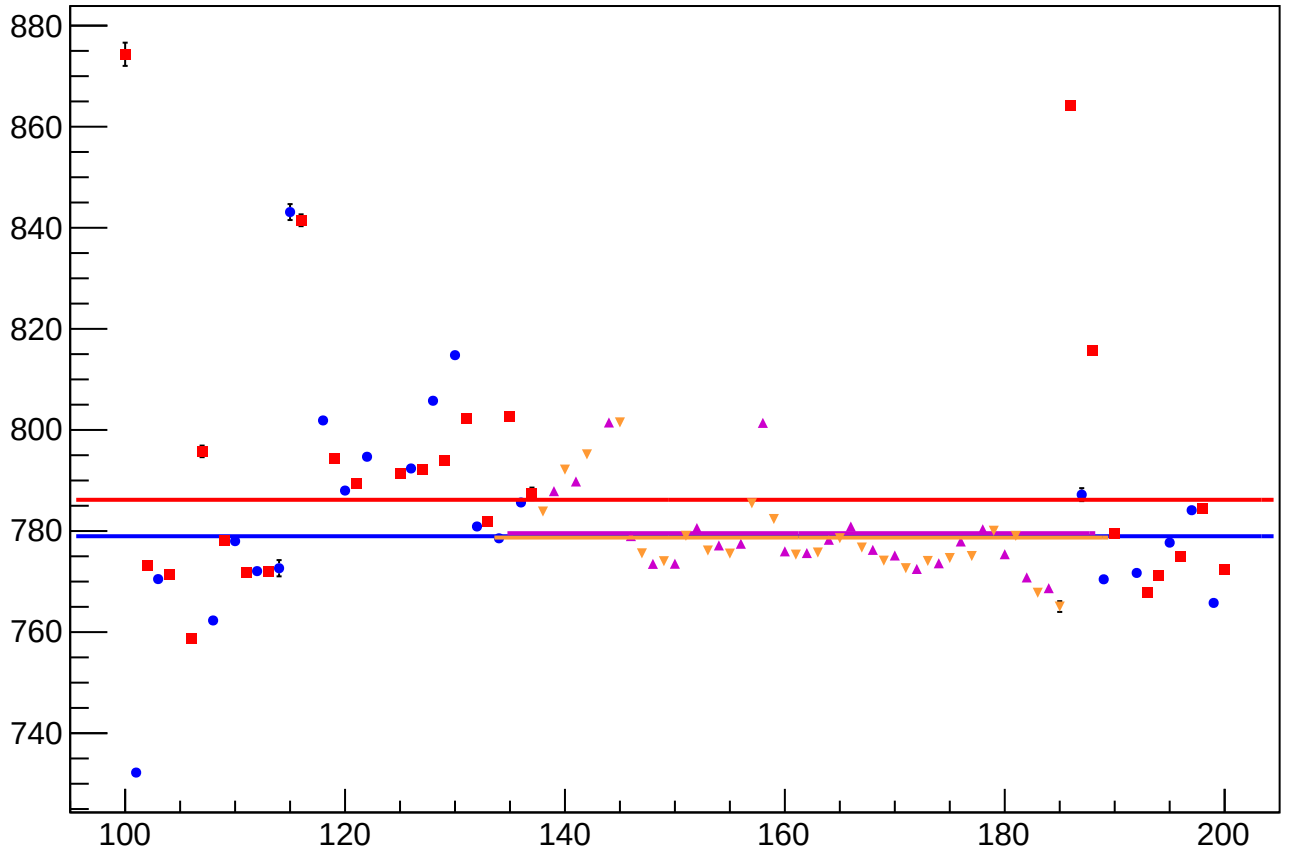
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2086.797+/-157.037 χ^2/NDF: 25.1/47

In: 2165.997+/-142.555 χ^2/NDF:40.2/44

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

All: 2023.378+/-99.335 χ^2/NDF: 70.4/94



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

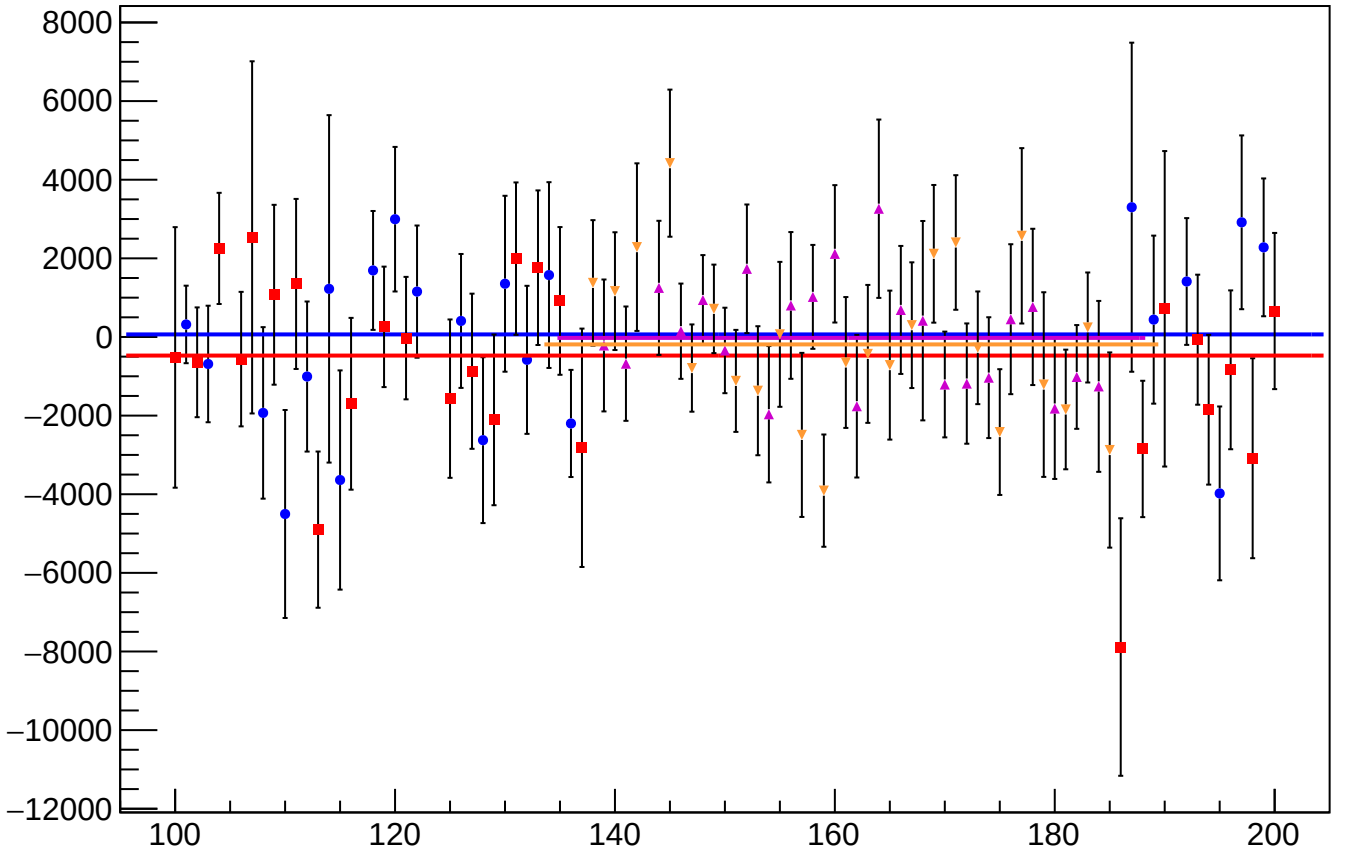
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 782.798+/-0.111 χ^2/NDF: 33512.6/47

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

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

All: 780.603+/-0.070 χ^2/NDF: 41749.7/94



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

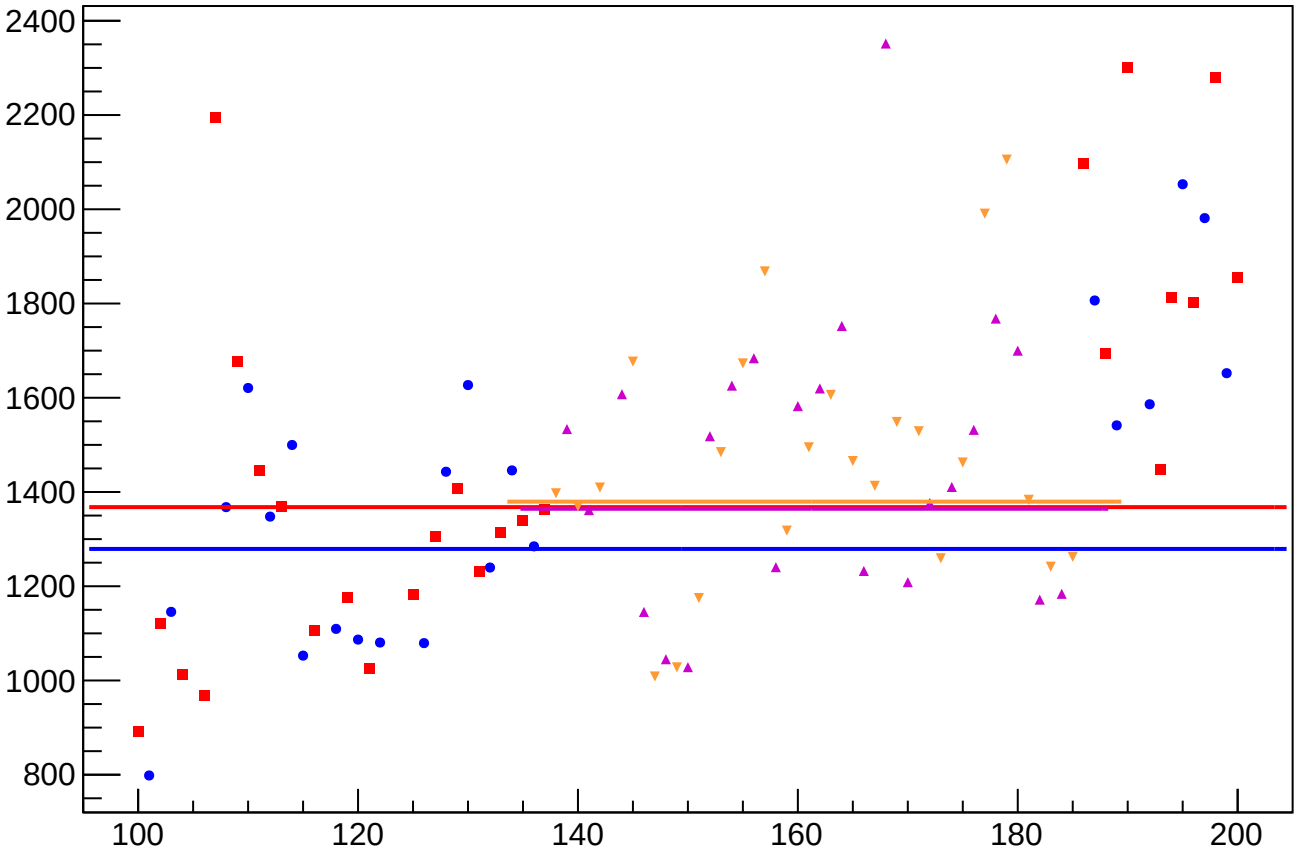
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -205.348+/-275.664 χ^2/NDF: 49.6/47

In: 12.724+/-250.287 χ^2/NDF:37.1/44

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

All: -146.937+/-177.071 χ^2/NDF: 92.8/94



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

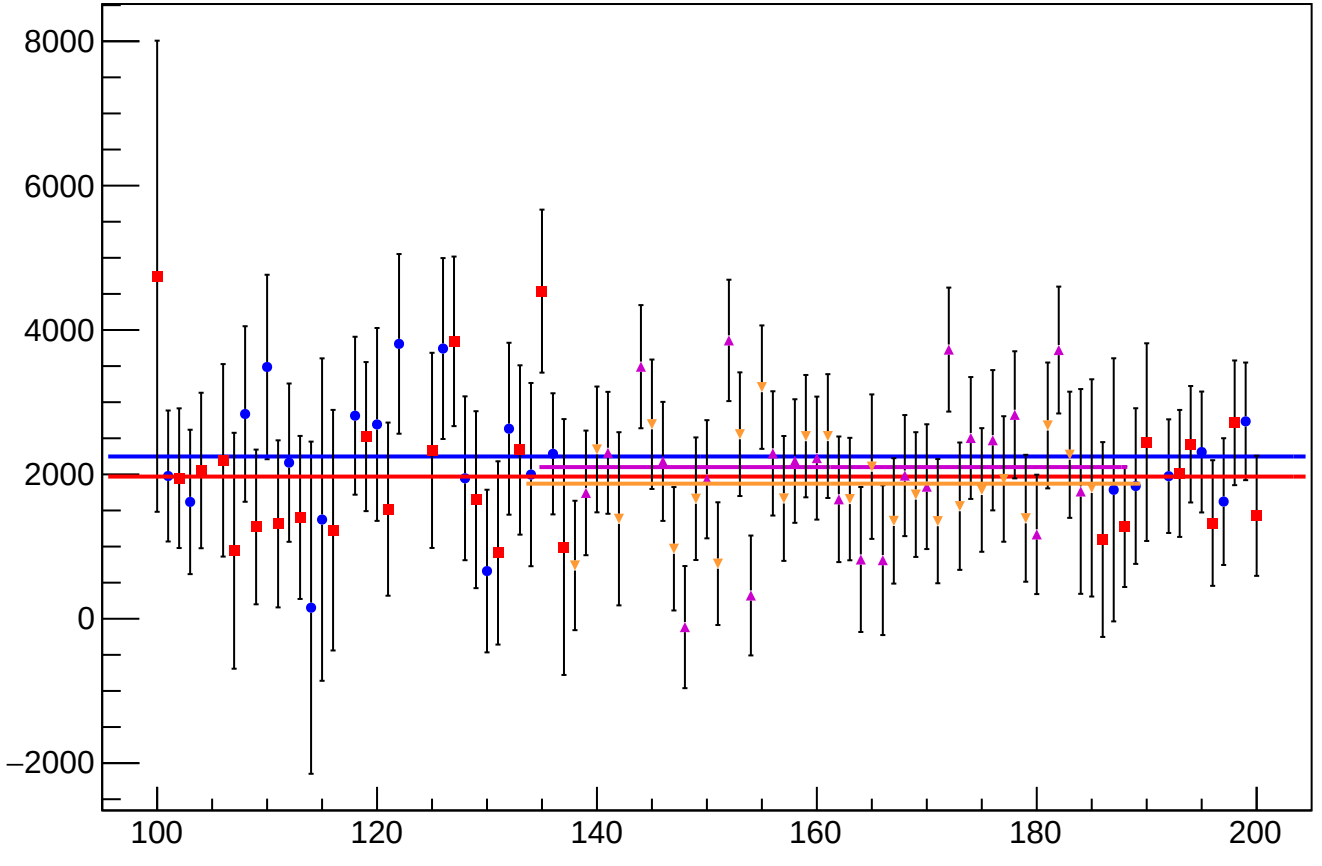
Right: 1323.787+/-0.195 χ^2/NDF: 2943797.8/47

In: 1329.478+/-0.177 χ^2/NDF:2763243.1/44

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

All: 1352.066+/-0.125 χ^2/NDF: 5452540.9/94

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2247.886+/-231.126 χ^2/NDF: 9.4/21

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

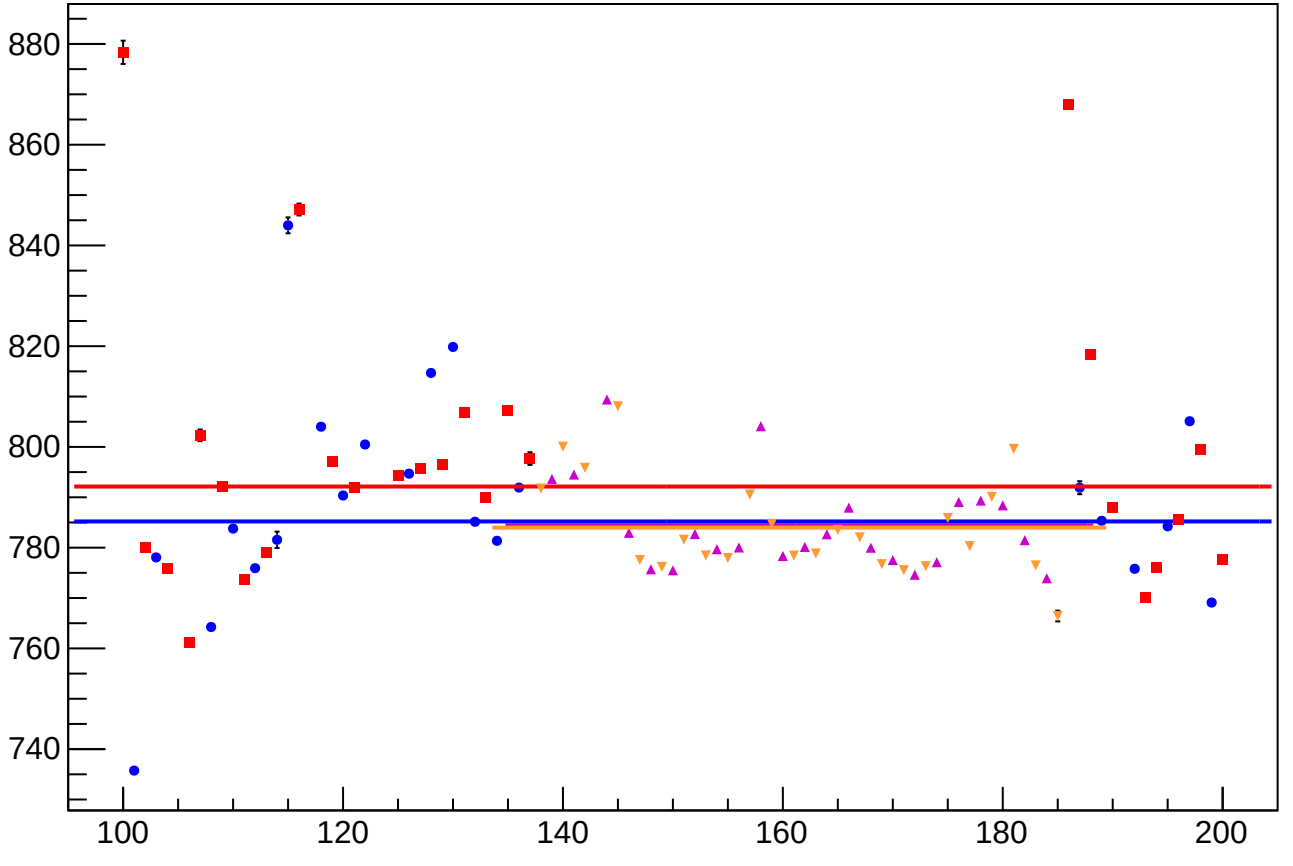
Right: 2100.062+/-158.280 χ^2/NDF: 25.2/47

In: 2157.697+/-143.559 χ^2/NDF:41.4/44

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

All: 2031.265+/-100.042 χ^2/NDF: 70.5/94

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

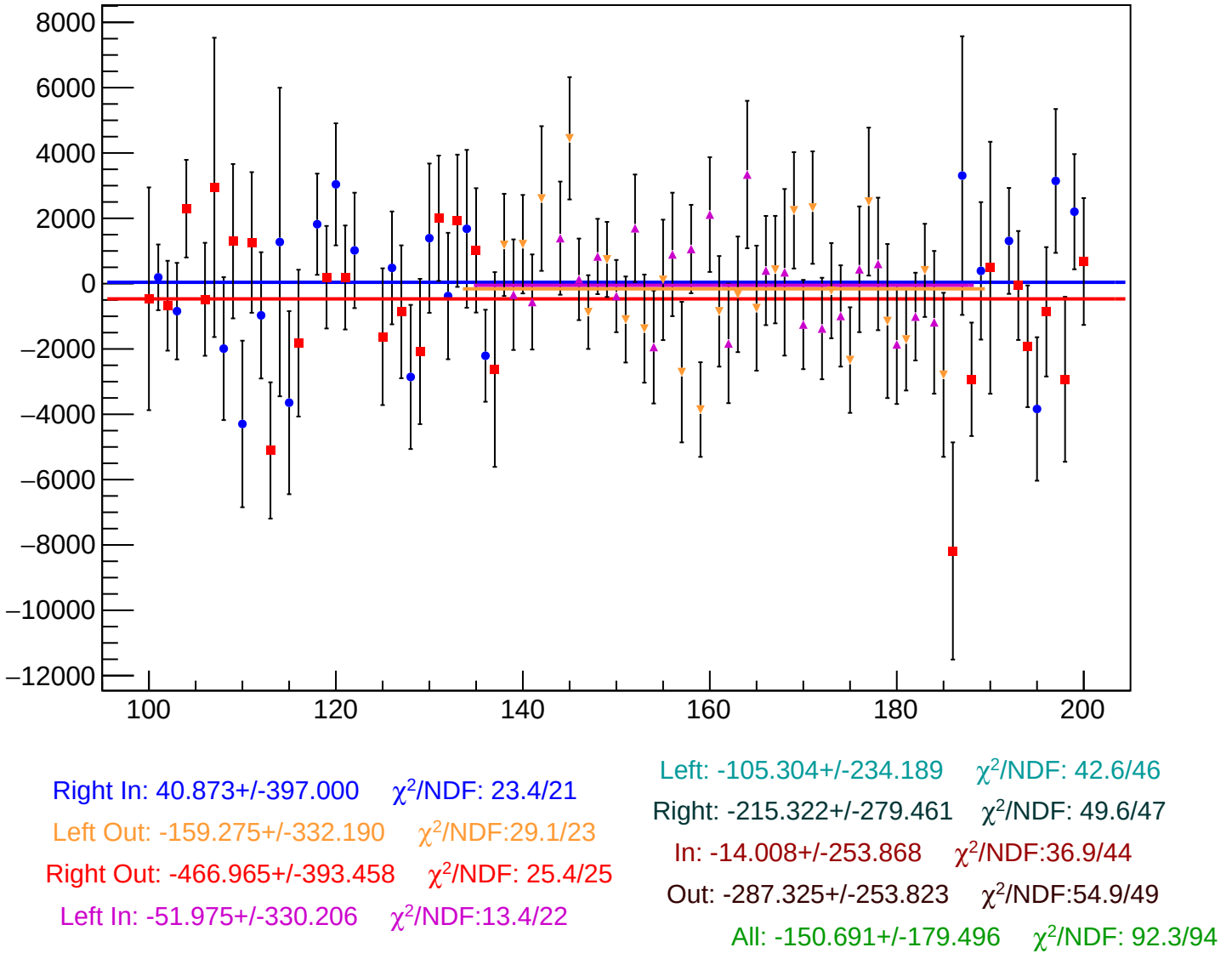
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

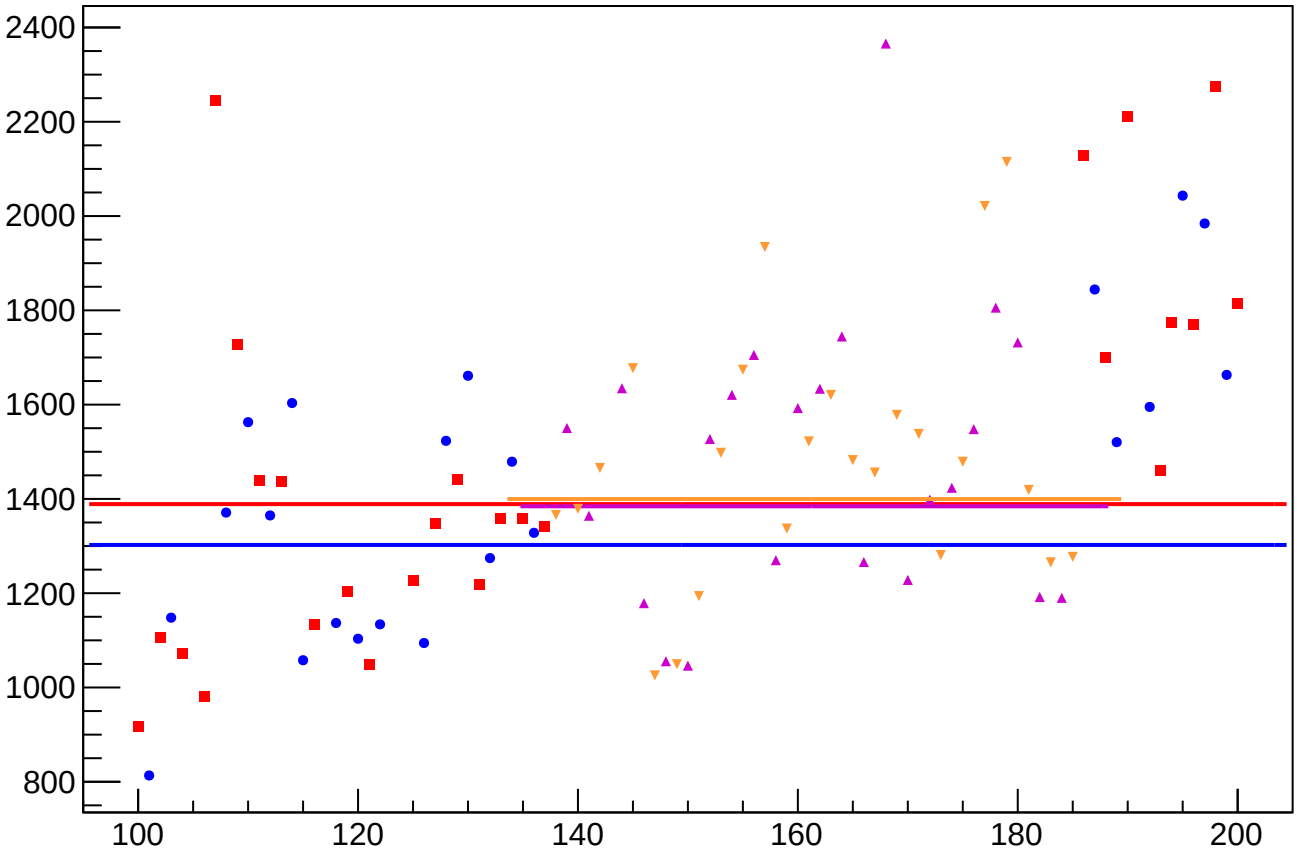
Right: 788.888+/-0.112 χ^2/NDF: 33922.7/47

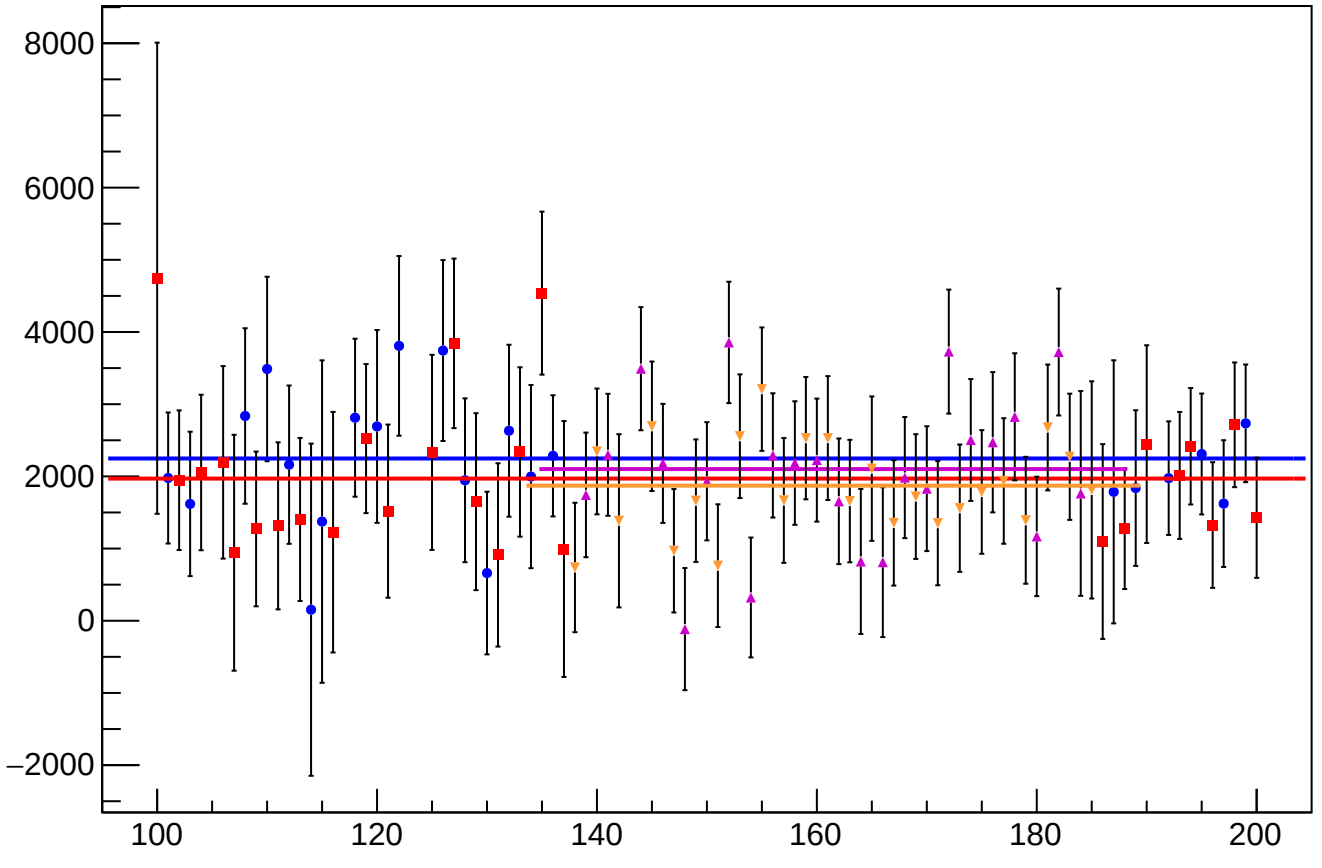
In: 784.756+/-0.102 χ^2/NDF:19663.7/44

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

All: 786.088+/-0.071 χ^2/NDF: 44827.7/94


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: 40.873+/-397.000 χ²/NDF: 23.4/21
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: -215.322+/-279.461 χ²/NDF: 49.6/47
In: -14.008+/-253.868 χ²/NDF:36.9/44
Out: -287.325+/-253.823 χ²/NDF:54.9/49
All: -150.691+/-179.496 χ²/NDF: 92.3/94


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: 1302.377+/-0.281 χ²/NDF: 1338965.6/21
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: 1346.073+/-0.198 χ²/NDF: 2759394.0/47
In: 1350.820+/-0.180 χ²/NDF:2659283.1/44
Out: 1395.254+/-0.179 χ²/NDF:2509618.3/49
All: 1373.041+/-0.127 χ²/NDF: 5199541.6/94



Right In: 2247.885+/-231.126 χ^2/NDF: 9.4/21

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

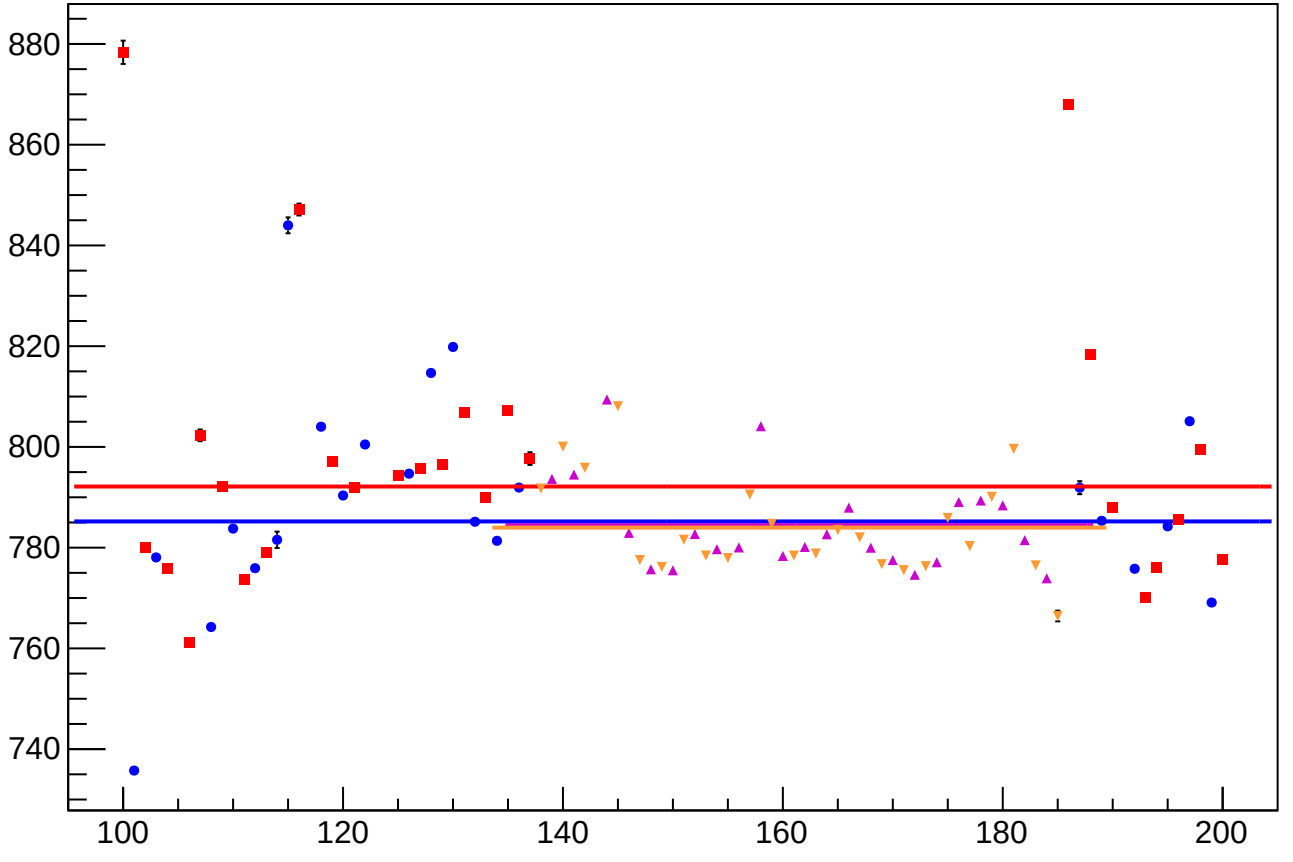
Right: 2100.061+/-158.280 χ^2/NDF: 25.2/47

In: 2157.697+/-143.559 χ^2/NDF:41.4/44

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

All: 2031.263+/-100.042 χ^2/NDF: 70.5/94

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

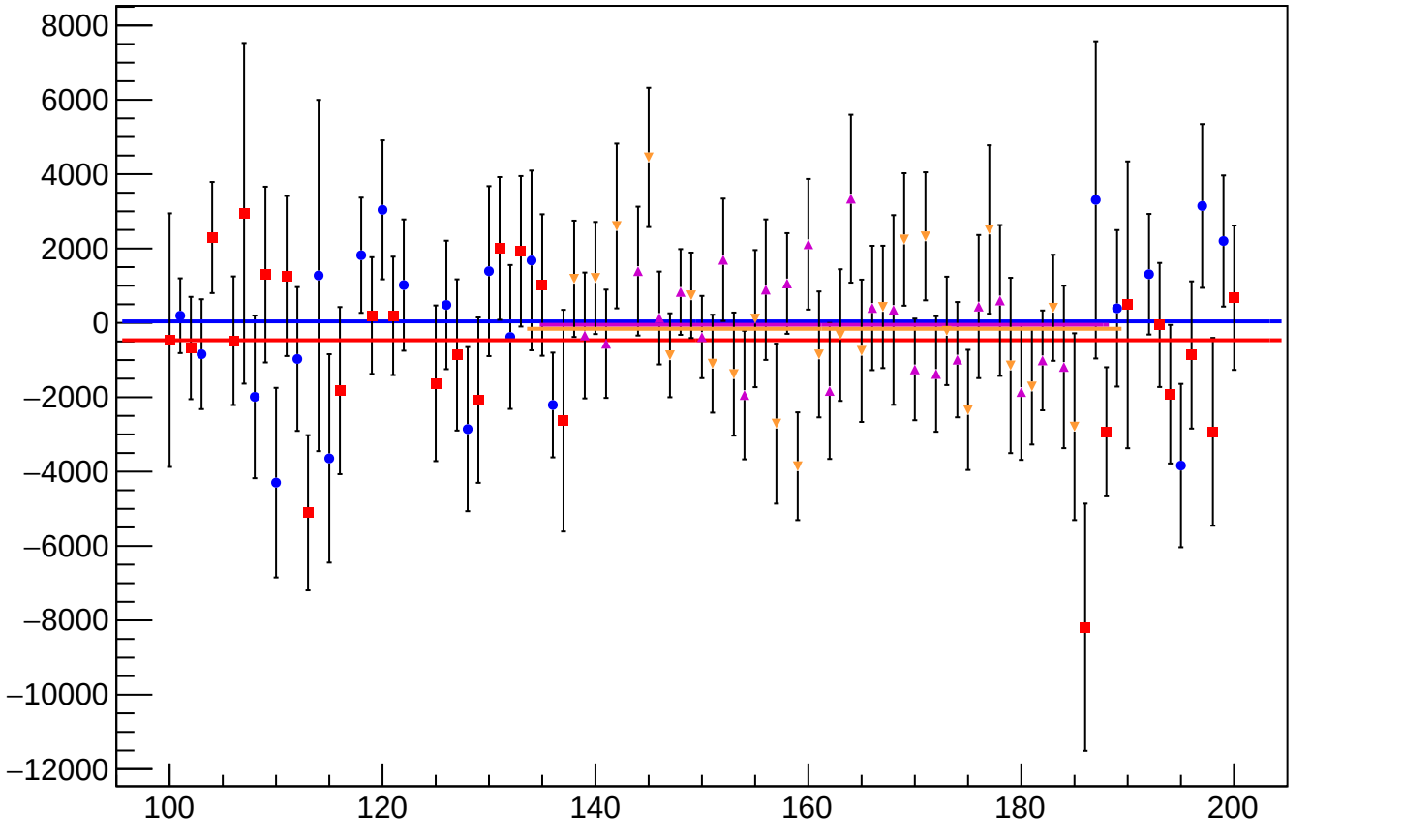
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 788.887+/-0.112 χ^2/NDF: 33922.7/47

In: 784.756+/-0.102 χ^2/NDF:19663.6/44

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

All: 786.088+/-0.071 χ^2/NDF: 44827.6/94



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

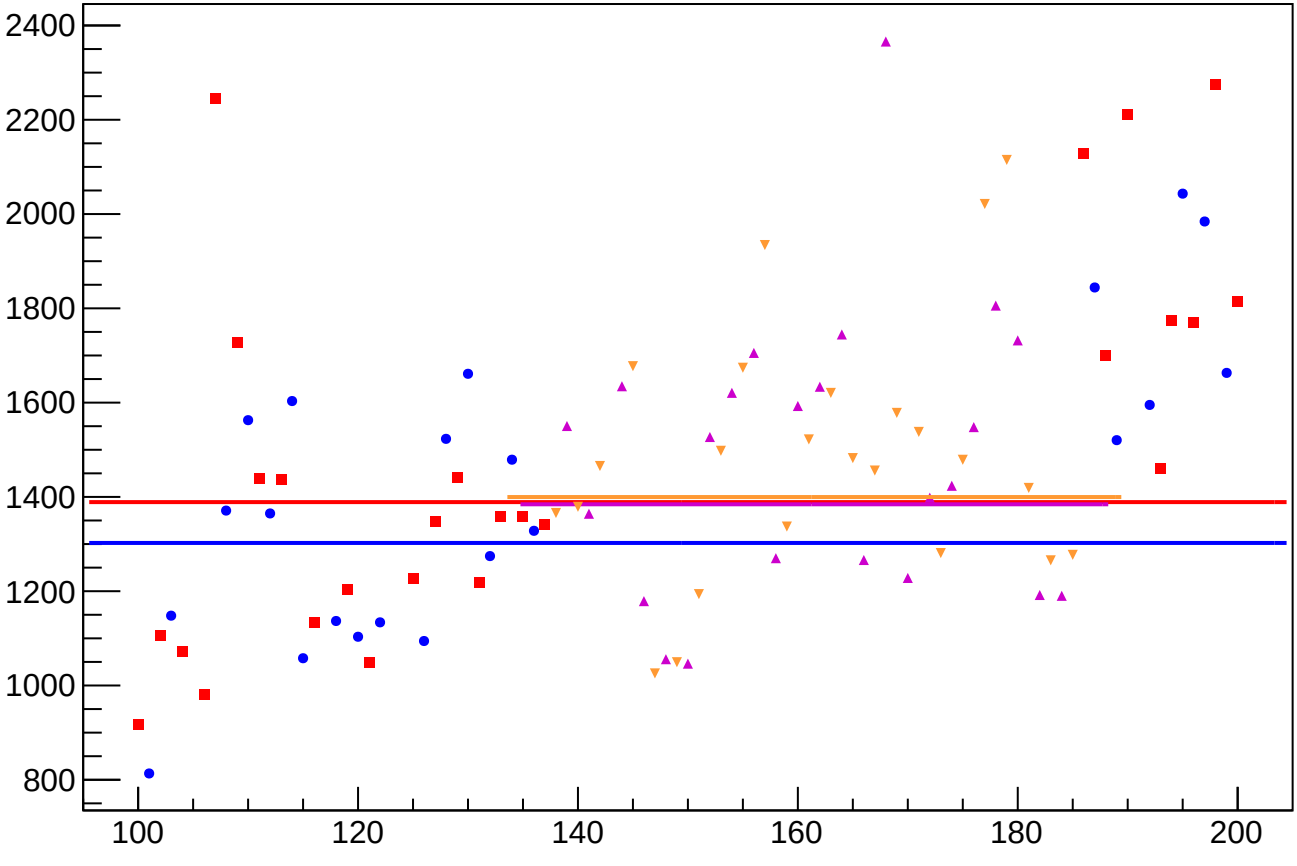
Right: -215.321+/-279.460 χ^2/NDF: 49.6/47

In: -14.008+/-253.869 χ^2/NDF:36.9/44

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

All: -150.691+/-179.496 χ^2/NDF: 92.3/94

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1302.374+/-0.281 χ^2/NDF: 1338974.6/21

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

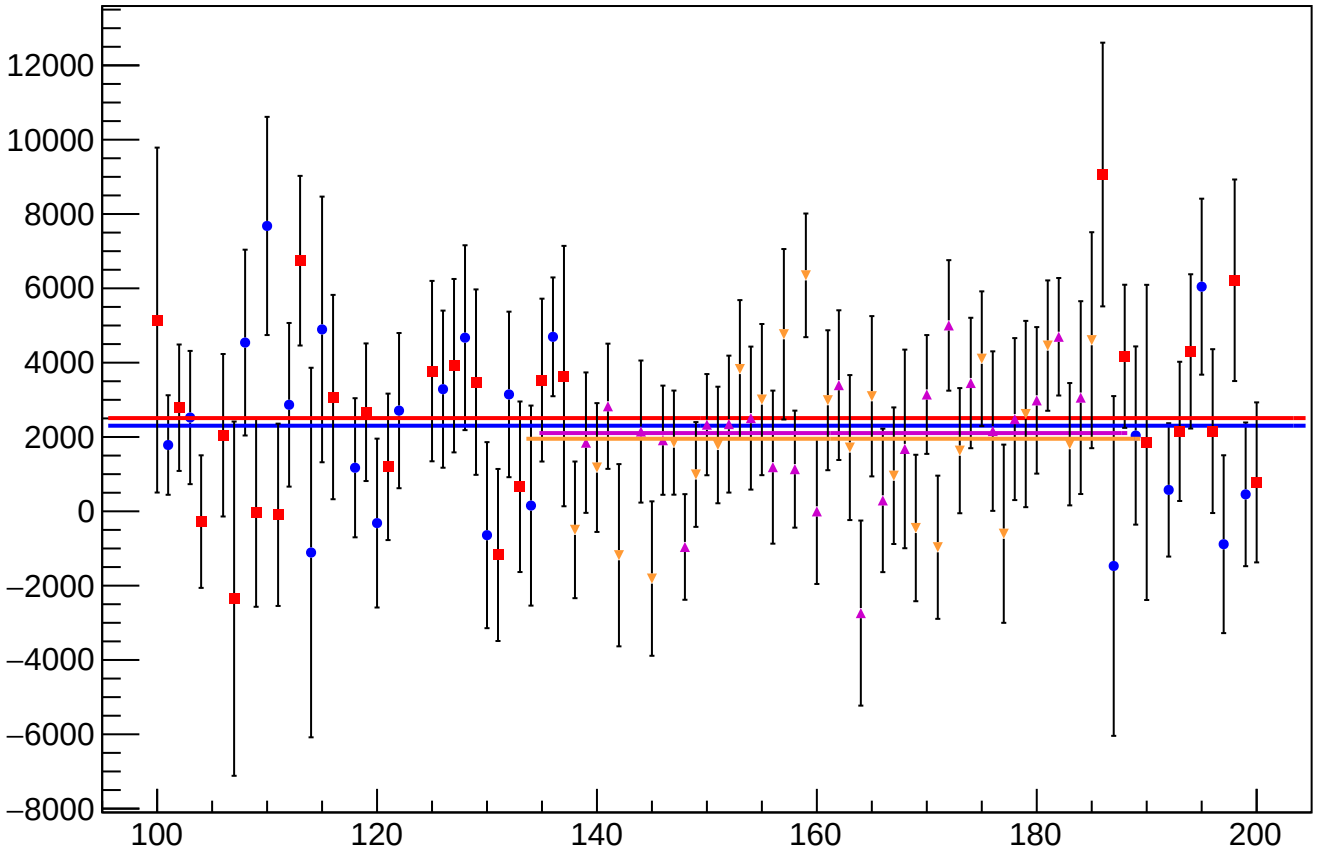
Left: 1391.982+/-0.166 χ^2/NDF: 2408445.8/46

Right: 1346.070+/-0.198 χ^2/NDF: 2759417.3/47

In: 1350.820+/-0.180 χ^2/NDF:2659299.1/44

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

All: 1373.041+/-0.127 χ^2/NDF: 5199573.9/94



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

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

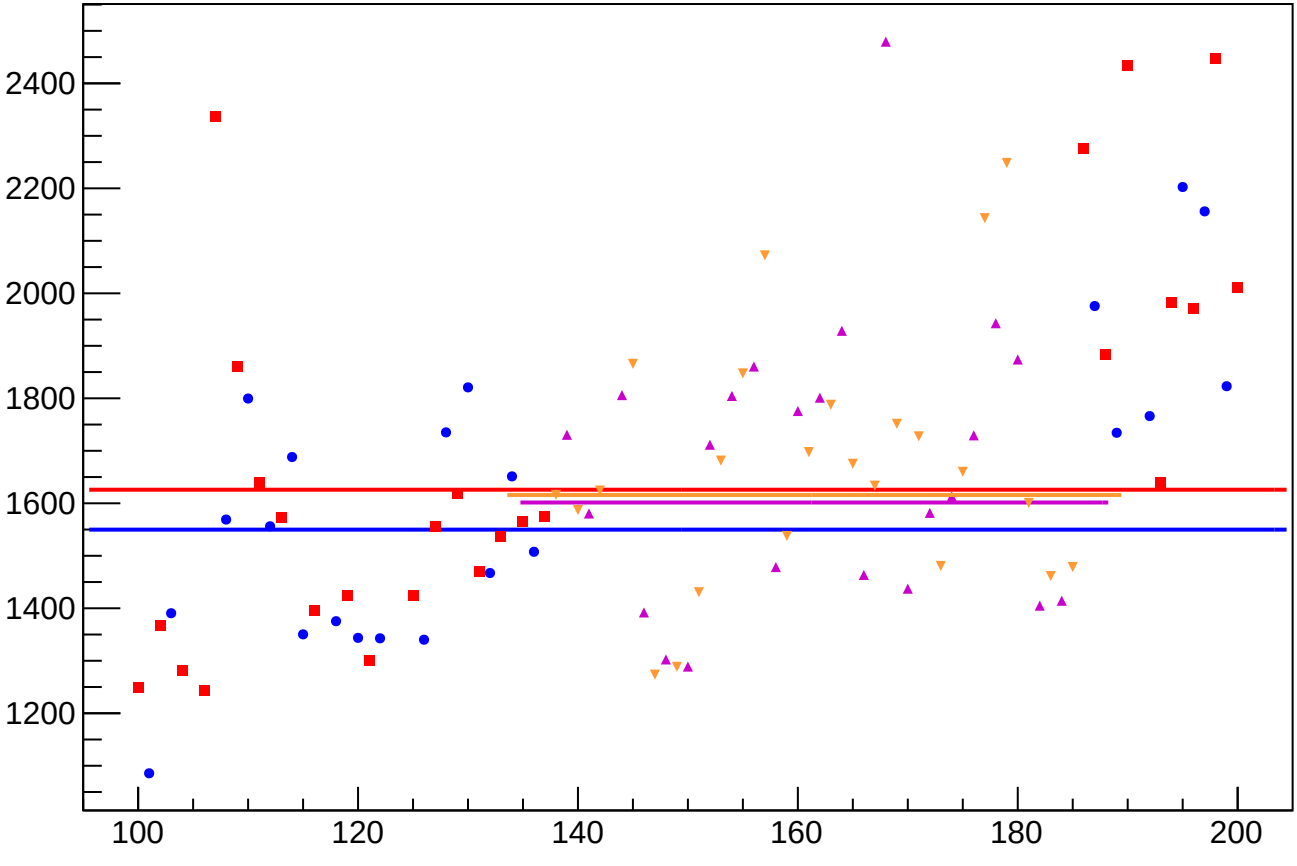
Right: 2408.301+/-325.762 χ^2/NDF: 41.3/47

In: 2184.280+/-294.022 χ^2/NDF:38.1/44

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

All: 2182.503+/-207.174 χ^2/NDF: 88.1/94

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

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

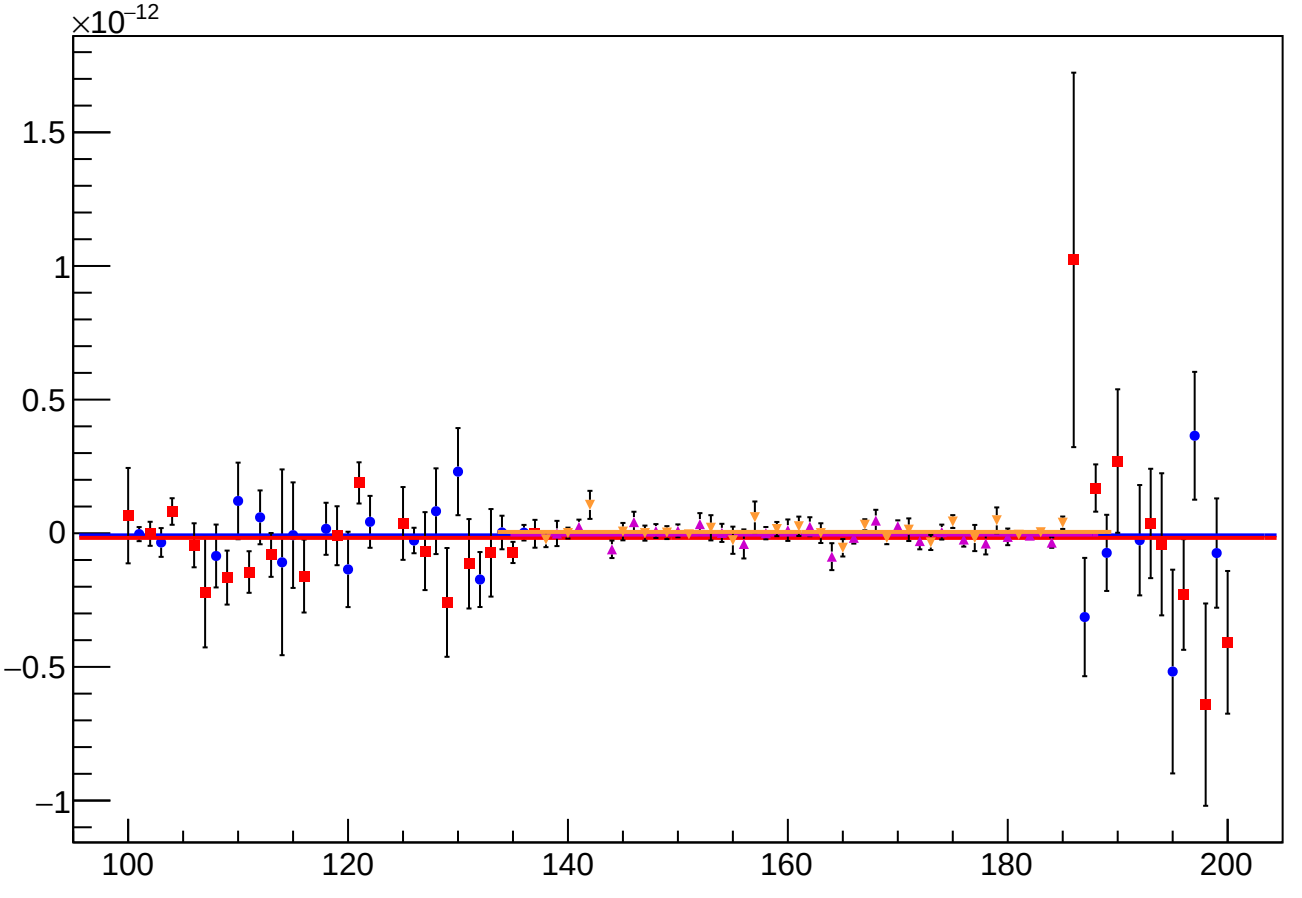
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1588.686+/-0.230 χ^2/NDF: 1708861.3/47

In: 1580.914+/-0.208 χ^2/NDF:1580319.1/44

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

All: 1600.577+/-0.146 χ^2/NDF: 3202841.3/94



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/21

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

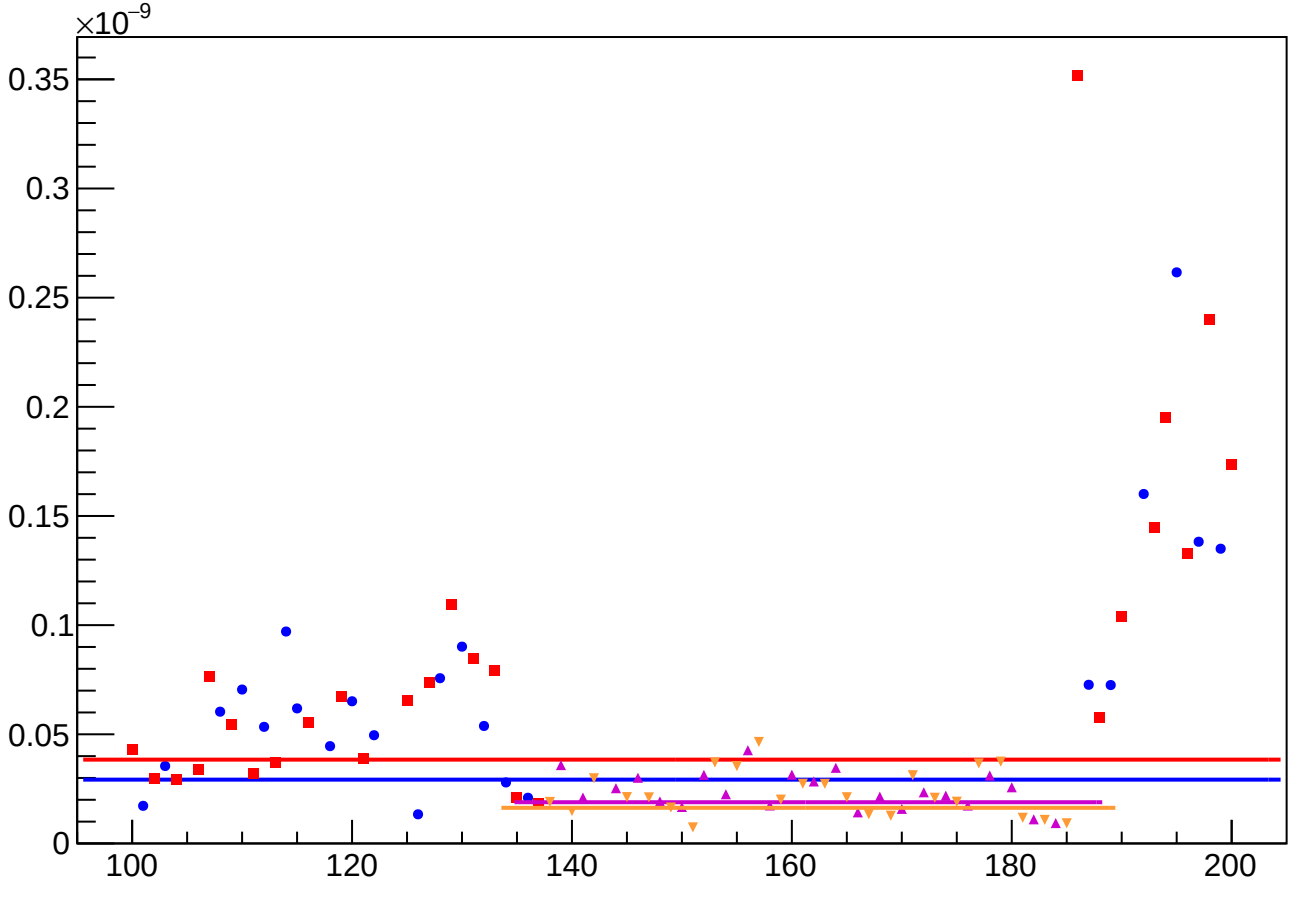
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/47

In: -0.000+/-0.000 χ^2/NDF:34.4/44

Out: 0.000+/-0.000 χ^2/NDF:59.4/49

All: -0.000+/-0.000 χ^2/NDF: 95.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 4965550.3/21

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

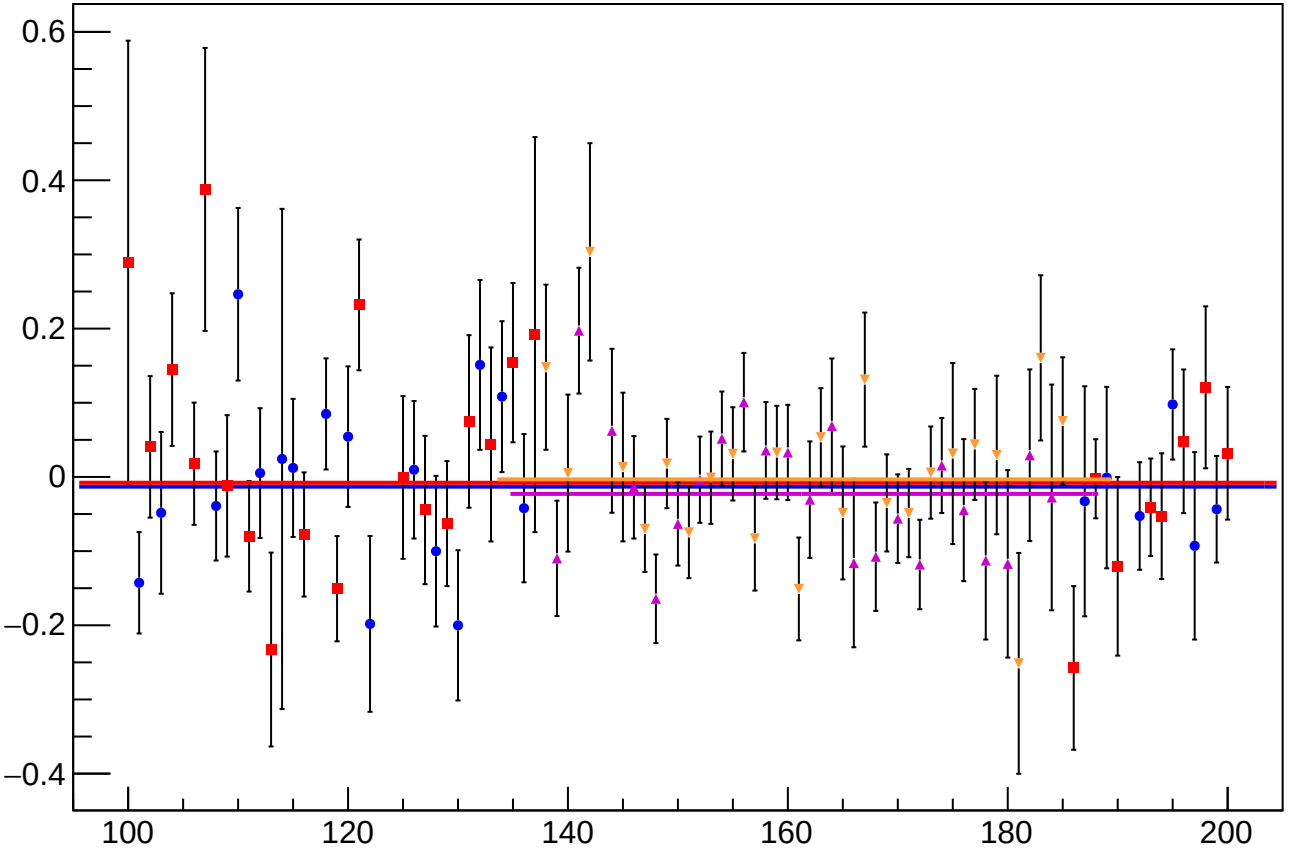
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 10476688.0/47

In: 0.000+/-0.000 χ^2/NDF:9056391.9/44

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

All: 0.000+/-0.000 χ^2/NDF: 21565879.1/94



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

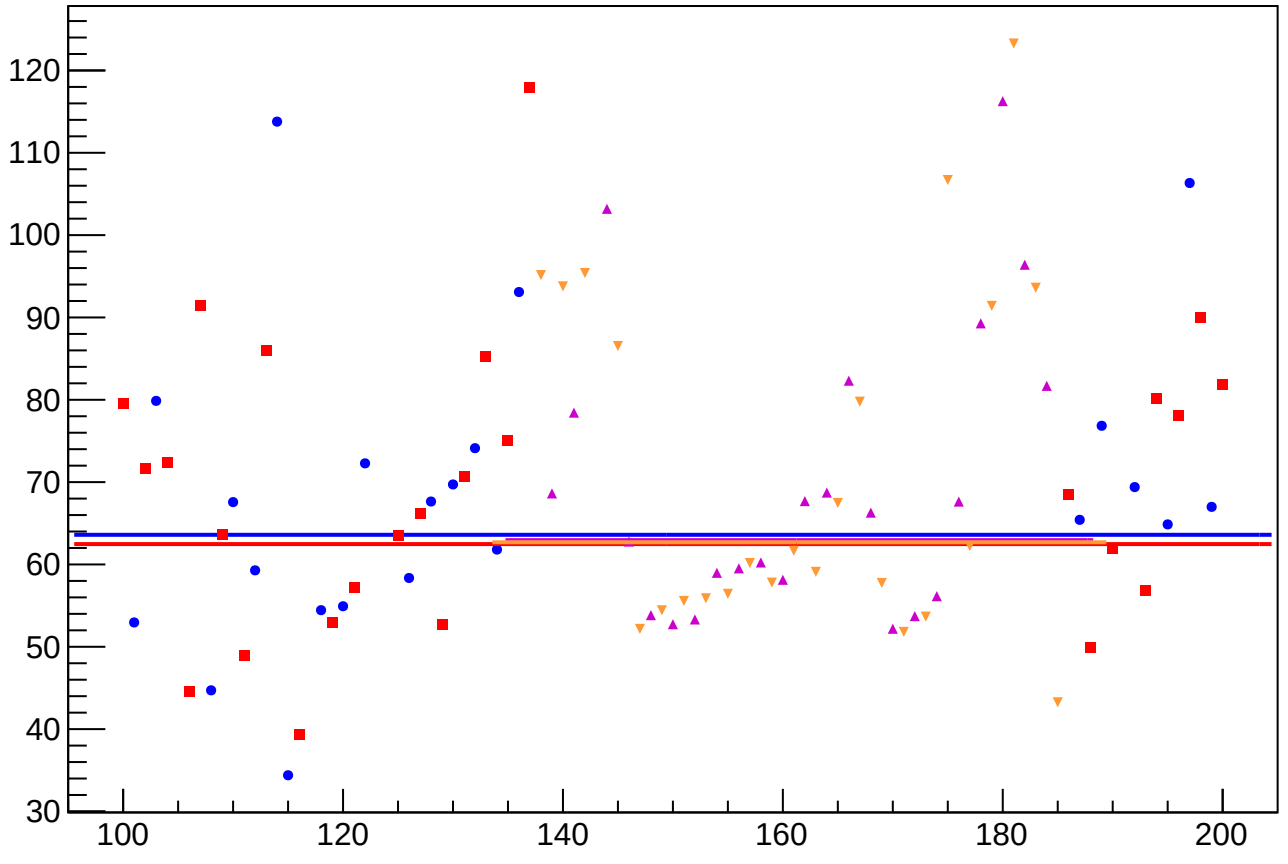
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.9/47

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.012+/-0.009 χ^2/NDF: 116.6/94



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

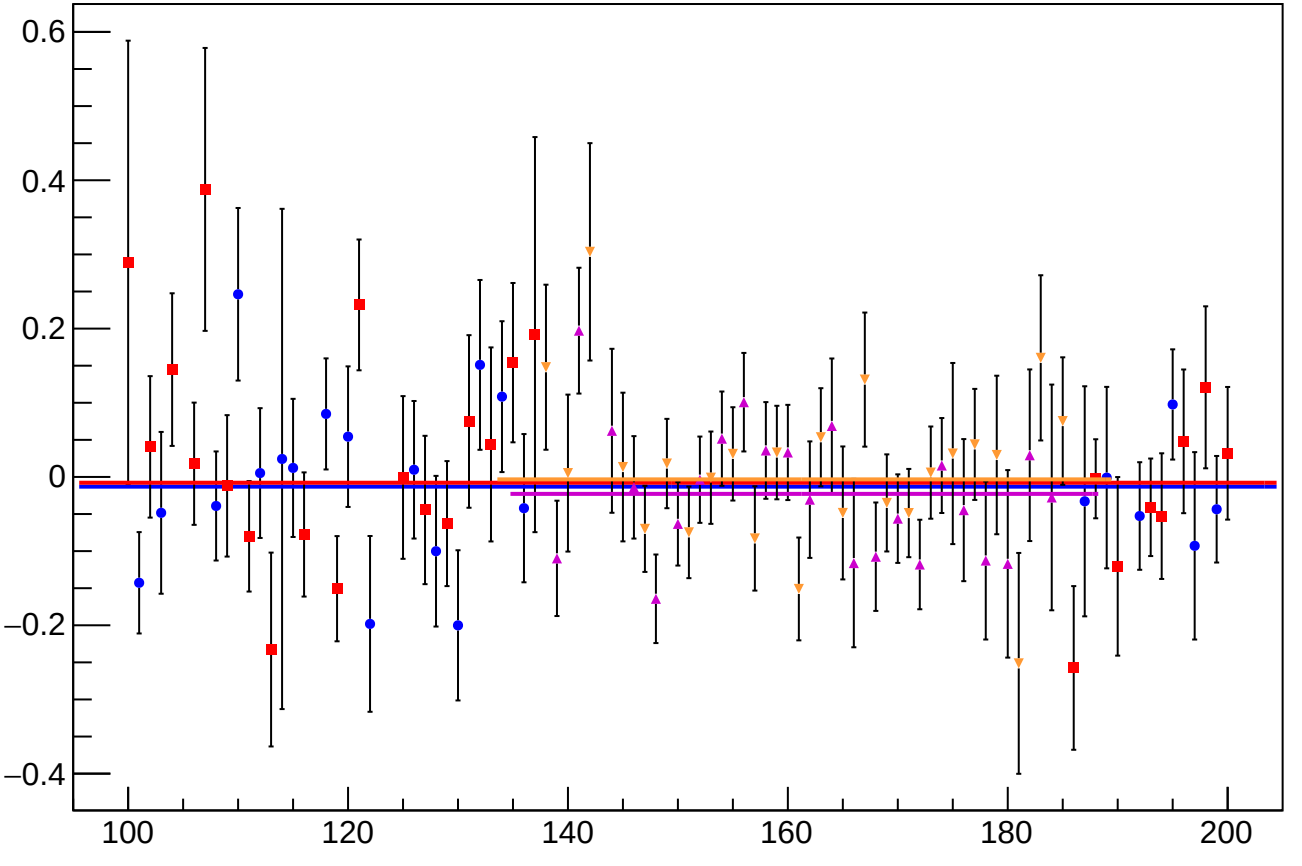
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 62.990+/-0.010 χ^2/NDF: 2231300.5/47

In: 63.198+/-0.009 χ^2/NDF:2441273.9/44

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

All: 62.890+/-0.006 χ^2/NDF: 5601593.5/94



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

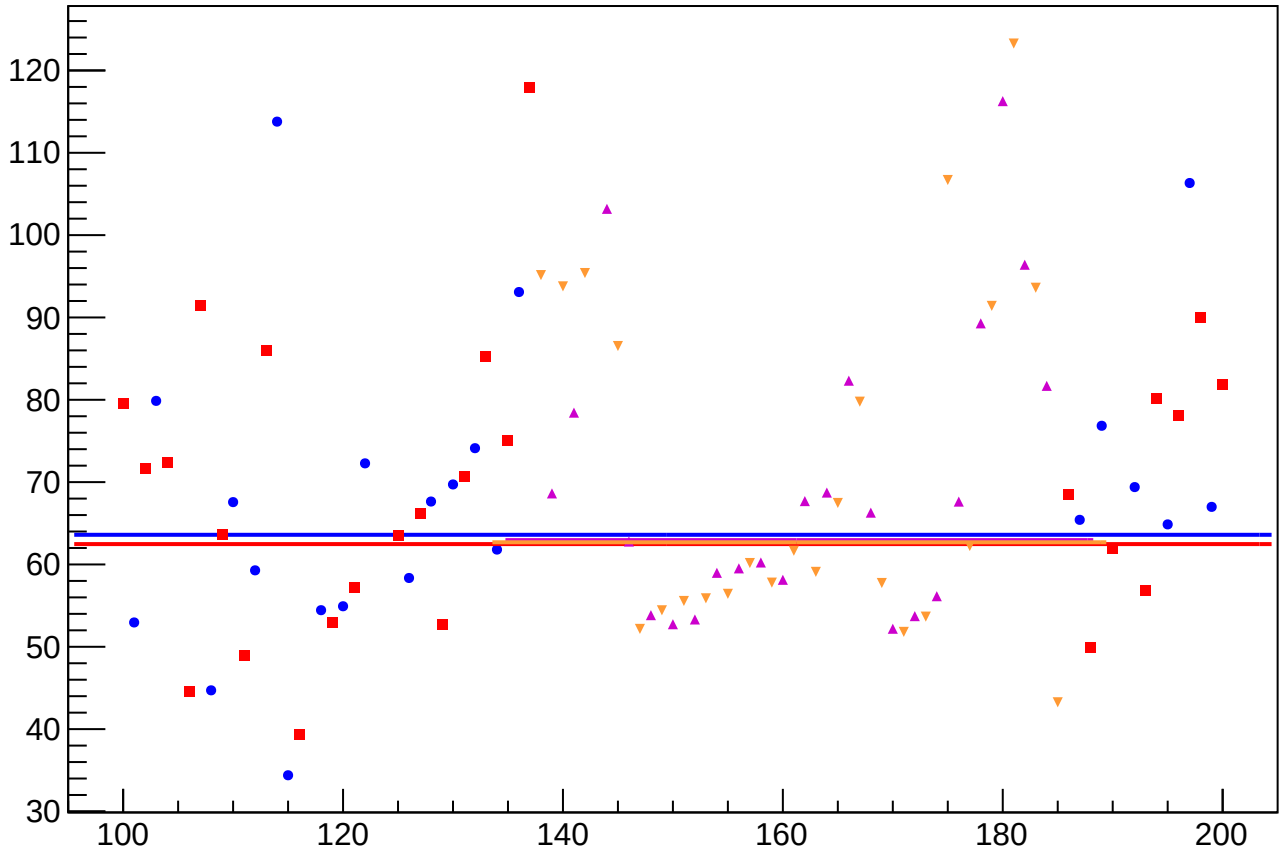
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.9/47

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.012+/-0.009 χ^2/NDF: 116.6/94



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

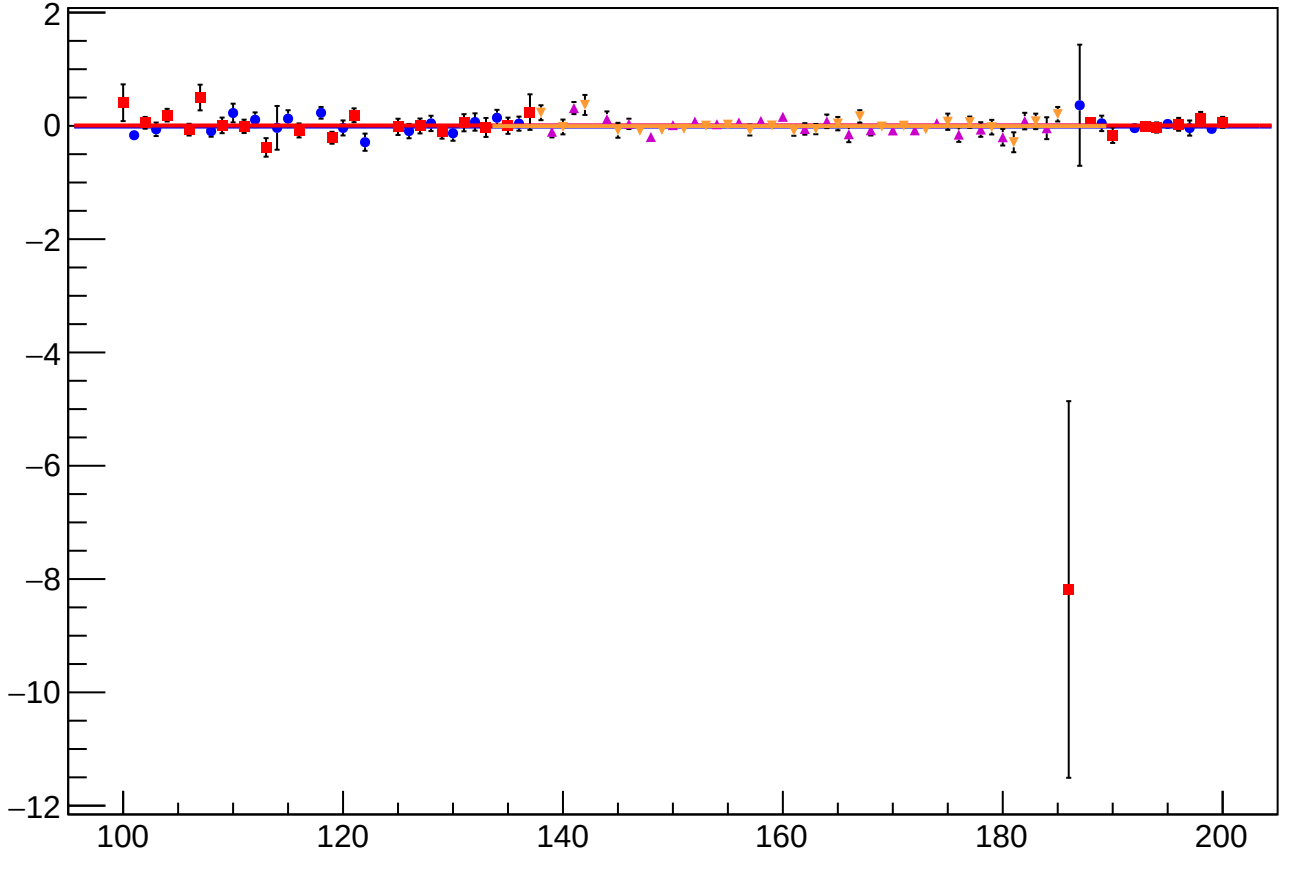
Right: 62.990+/-0.010 χ^2/NDF: 2231300.5/47

In: 63.198+/-0.009 χ^2/NDF:2441273.9/44

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

All: 62.890+/-0.006 χ^2/NDF: 5601593.5/94

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.025 χ^2/NDF: 21.2/21

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

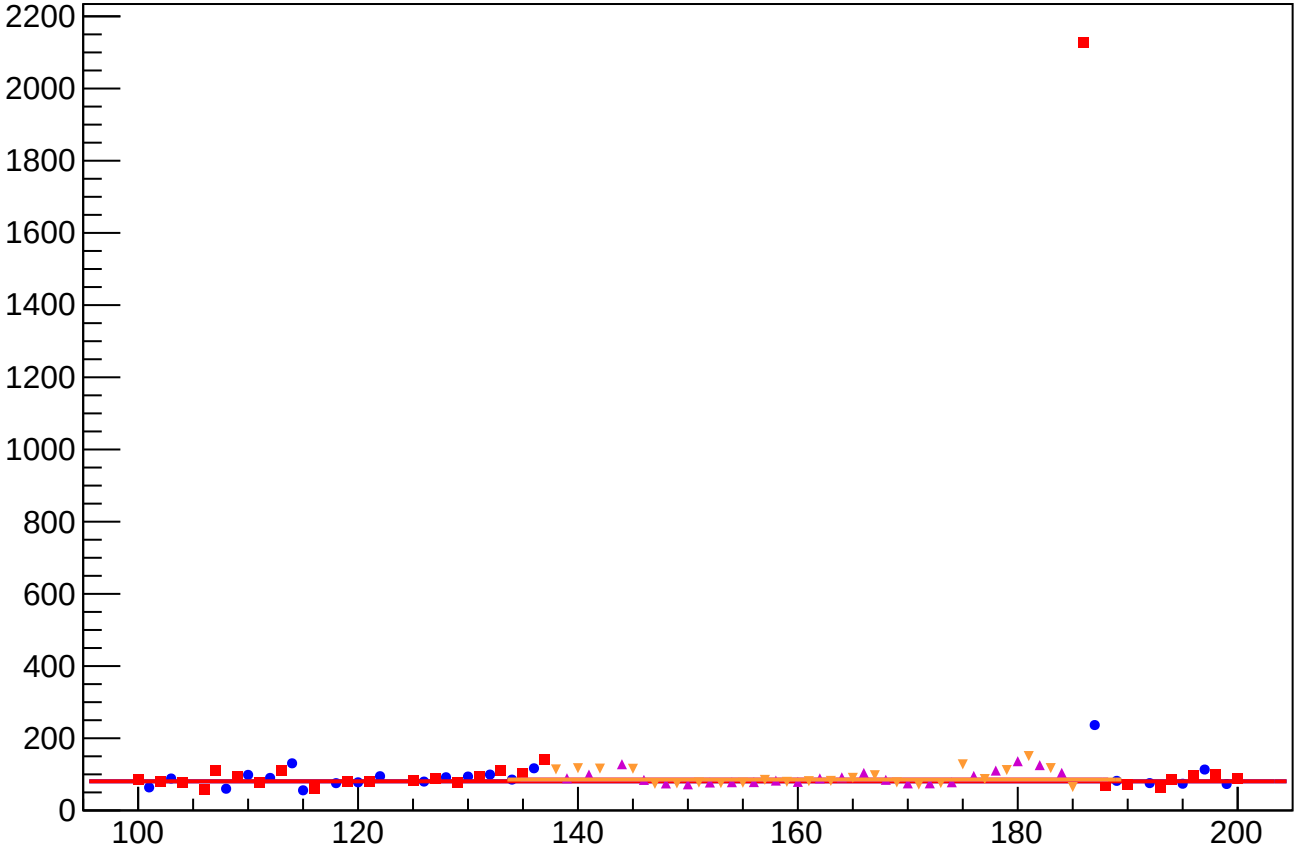
Right: -0.002+/-0.017 χ^2/NDF: 55.2/47

In: -0.004+/-0.016 χ^2/NDF:51.9/44

Out: 0.000+/-0.016 χ^2/NDF:55.1/49

All: -0.002+/-0.011 χ^2/NDF: 107.1/94

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.725+/-0.018 χ^2/NDF: 764215.2/21

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

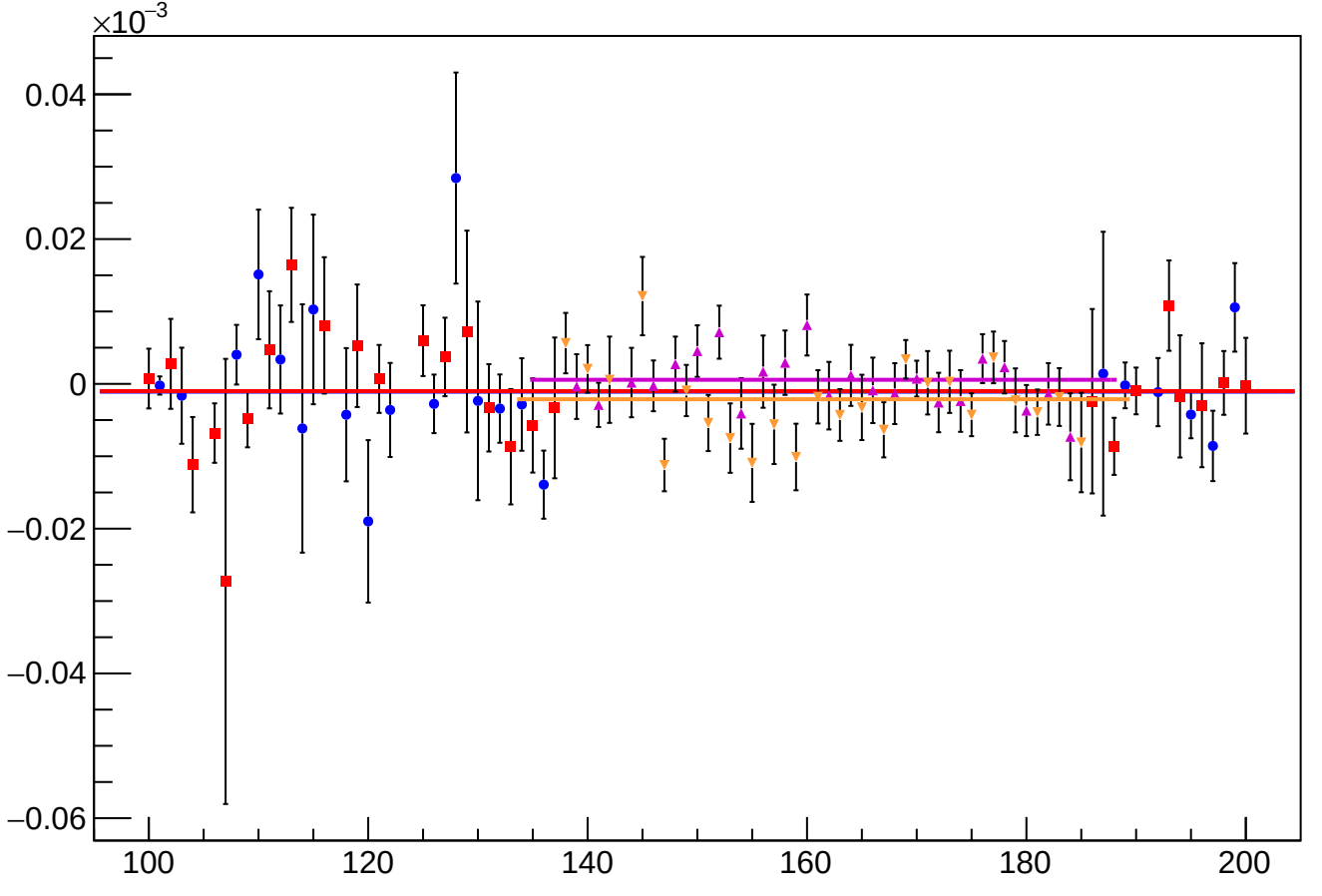
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.732+/-0.012 χ^2/NDF: 2289232.6/47

In: 83.682+/-0.011 χ^2/NDF:1806357.6/44

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

All: 83.597+/-0.008 χ^2/NDF: 4733229.2/94



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/21

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

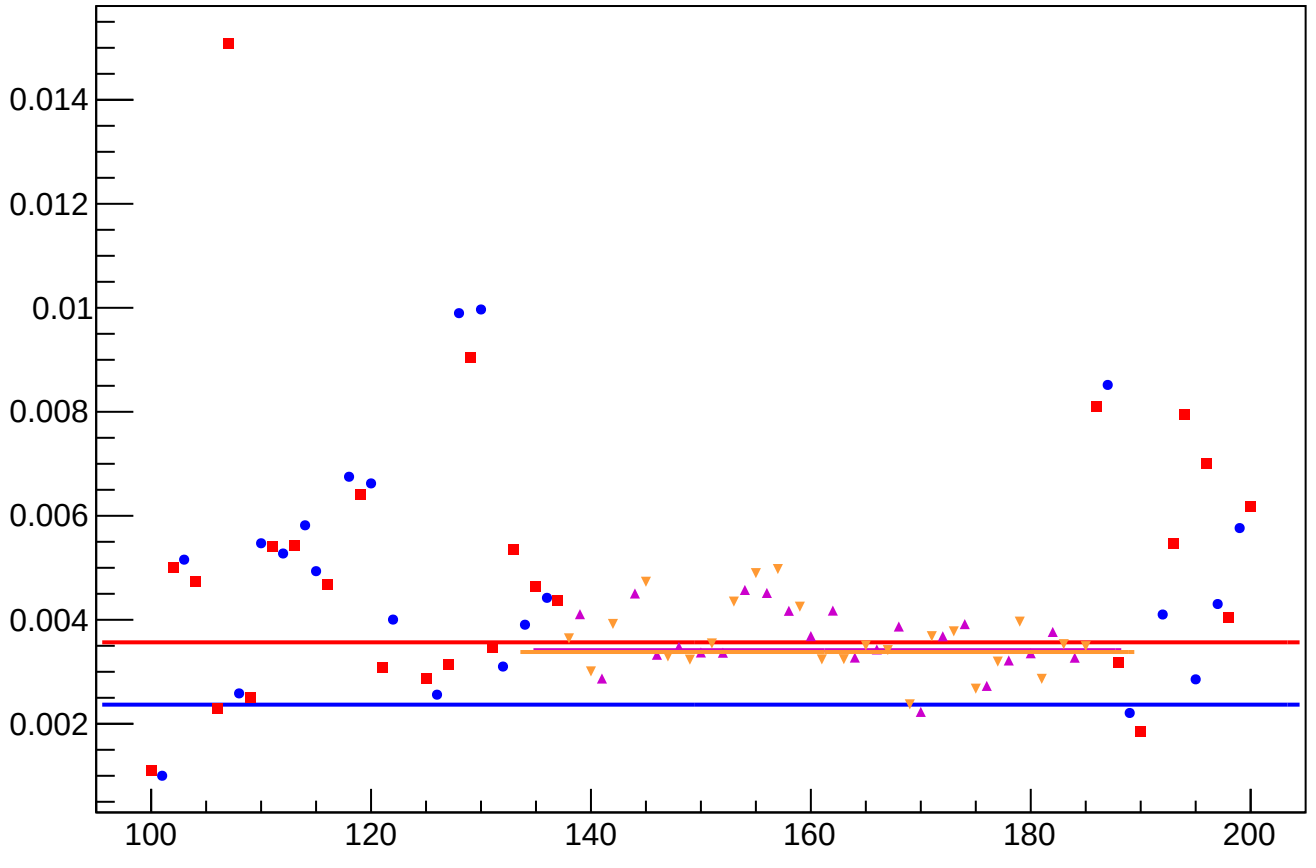
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 54.3/47

In: -0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:64.0/49

All: -0.000+/-0.000 χ^2/NDF: 113.9/94



Right In: 0.002+/-0.000 χ^2/NDF: 7443331.2/21

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

Right Out: 0.004+/-0.000 χ^2/NDF: 4734127.7/25

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

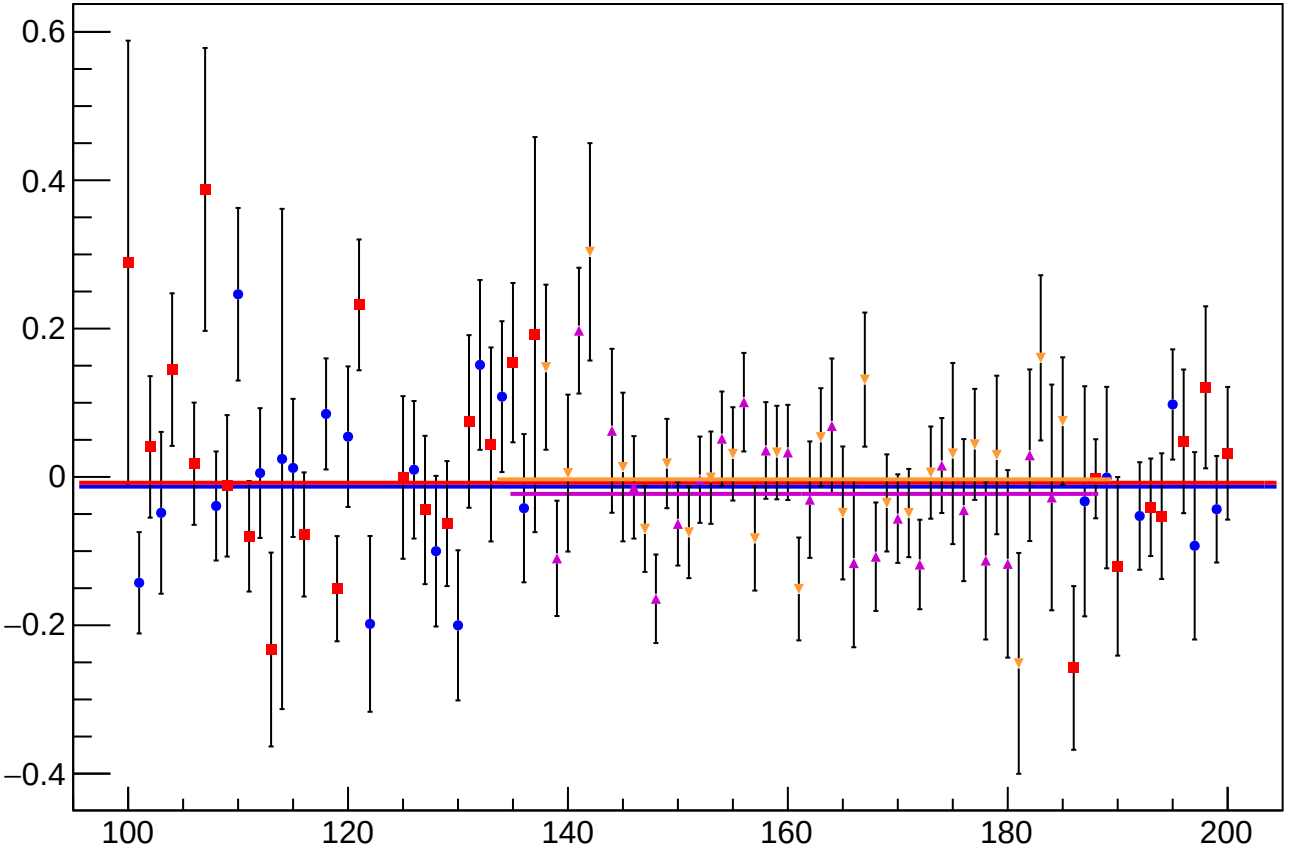
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 13583194.7/47

In: 0.003+/-0.000 χ^2/NDF:10140932.0/44

Out: 0.003+/-0.000 χ^2/NDF:5965875.1/49

All: 0.003+/-0.000 χ^2/NDF: 16772721.4/94



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

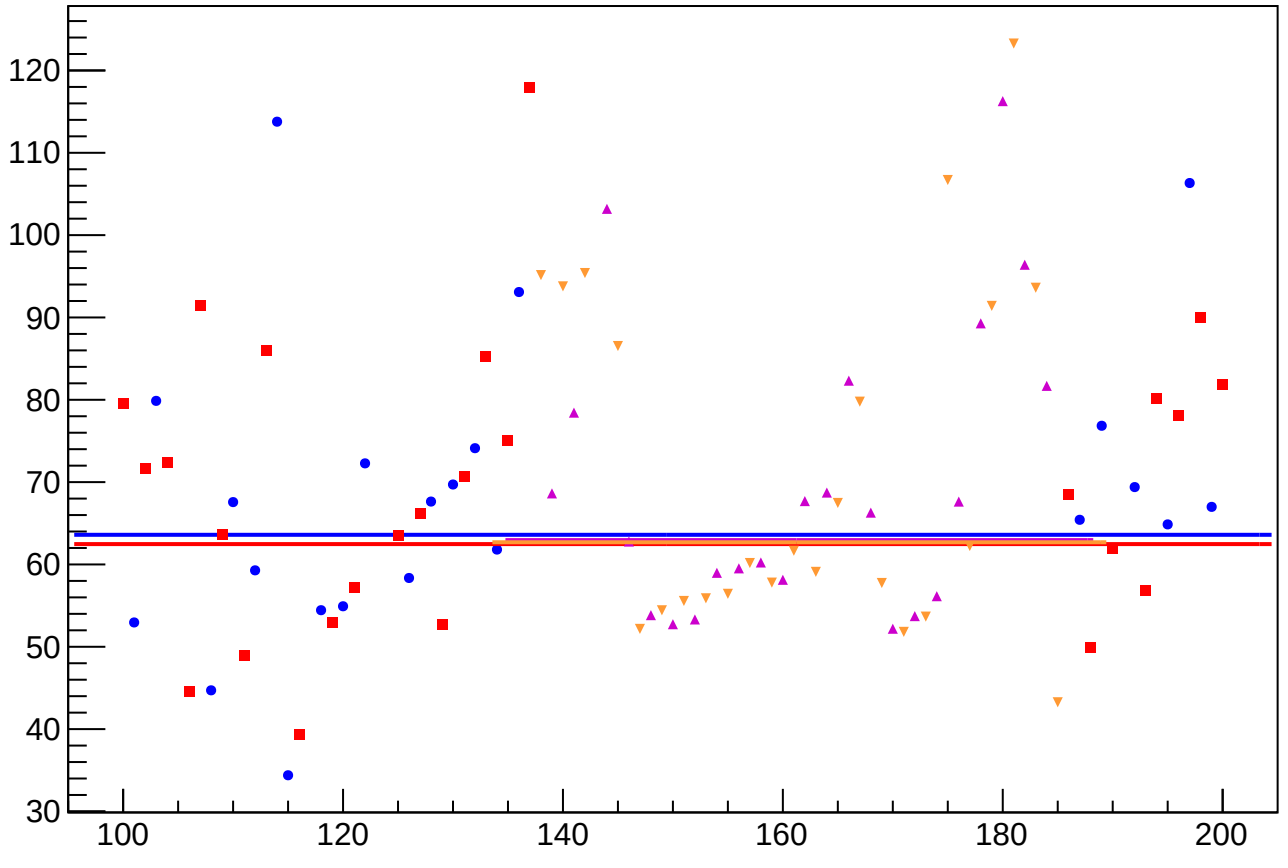
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.9/47

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.012+/-0.009 χ^2/NDF: 116.6/94



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

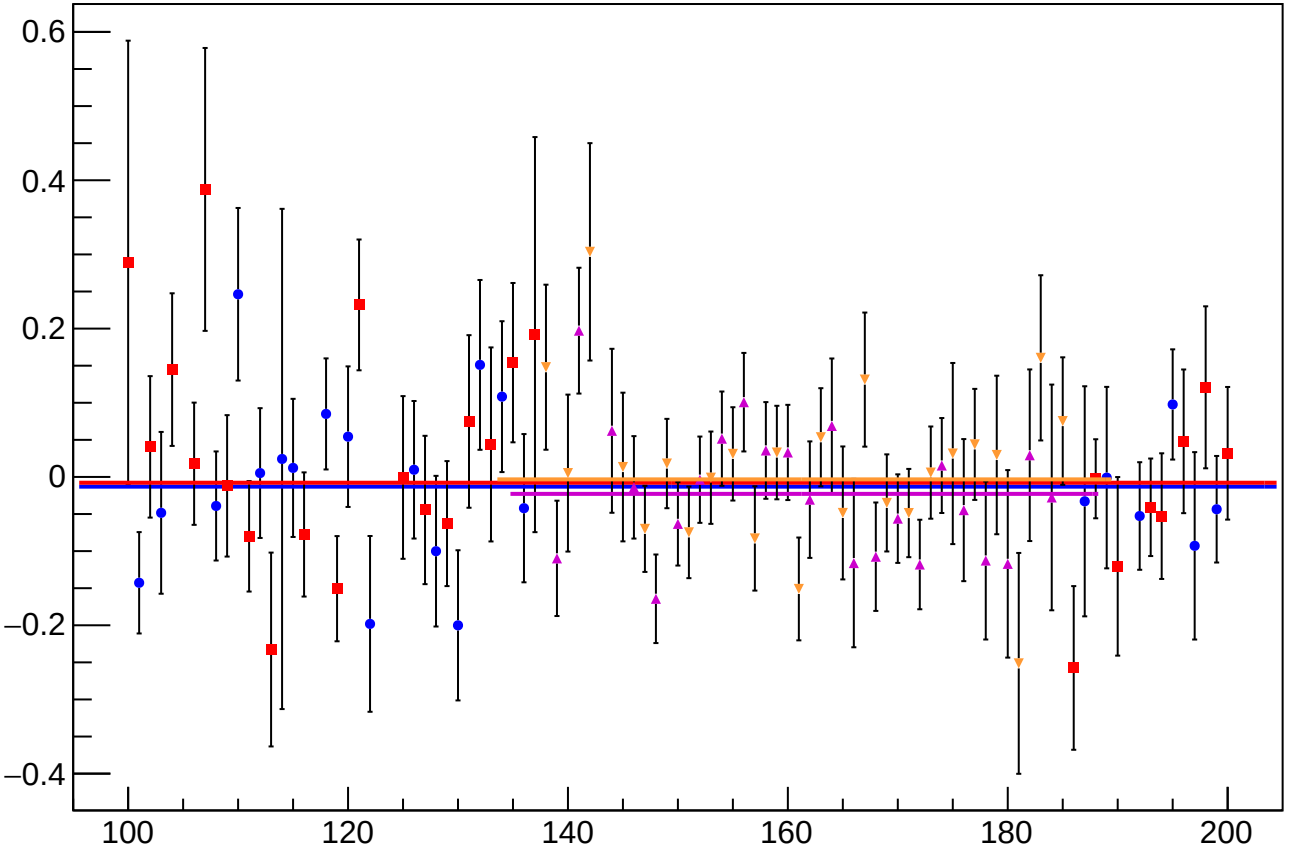
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 62.989+/-0.010 χ^2/NDF: 2231285.5/47

In: 63.198+/-0.009 χ^2/NDF:2441284.7/44

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

All: 62.890+/-0.006 χ^2/NDF: 5601532.7/94



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

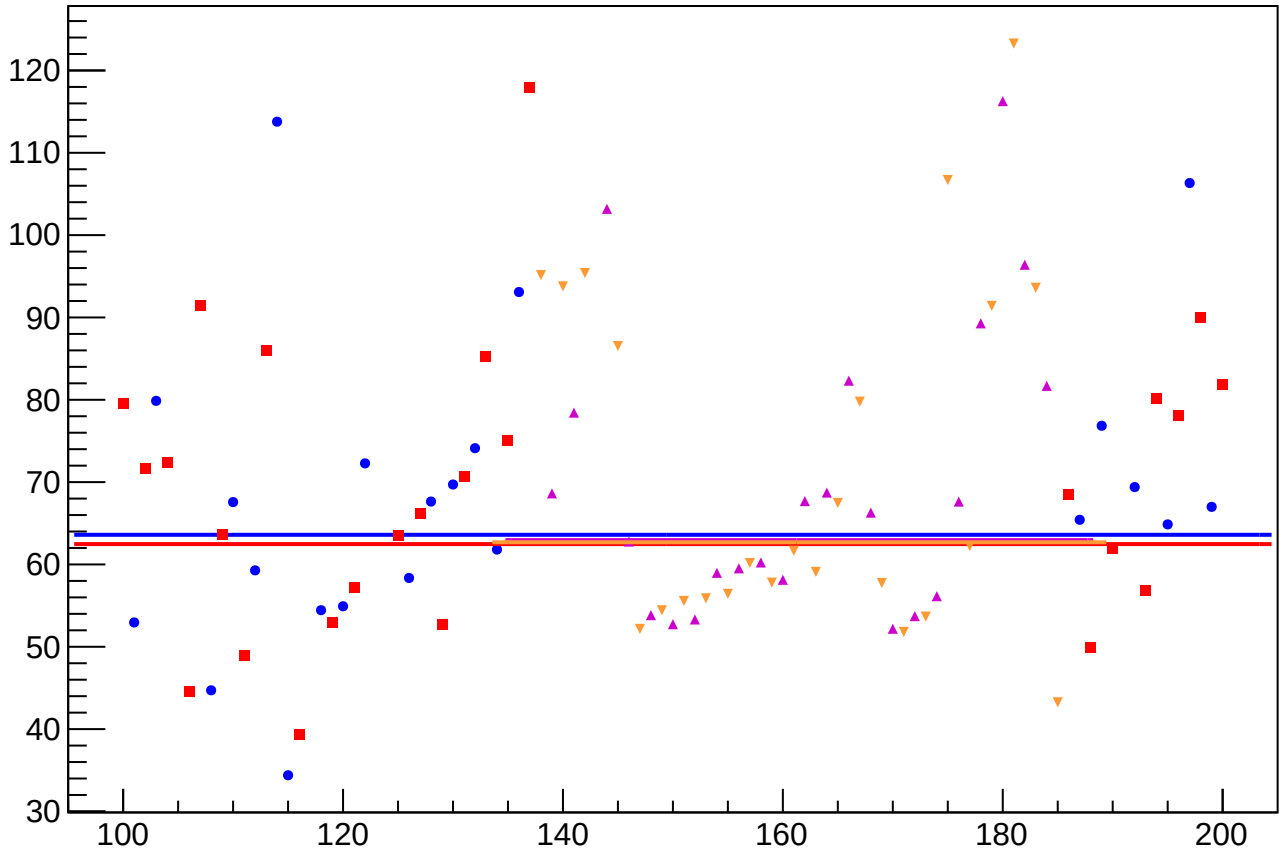
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.010+/-0.014 χ^2/NDF: 60.9/47

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.005+/-0.012 χ^2/NDF:62.3/49

All: -0.012+/-0.009 χ^2/NDF: 116.6/94



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

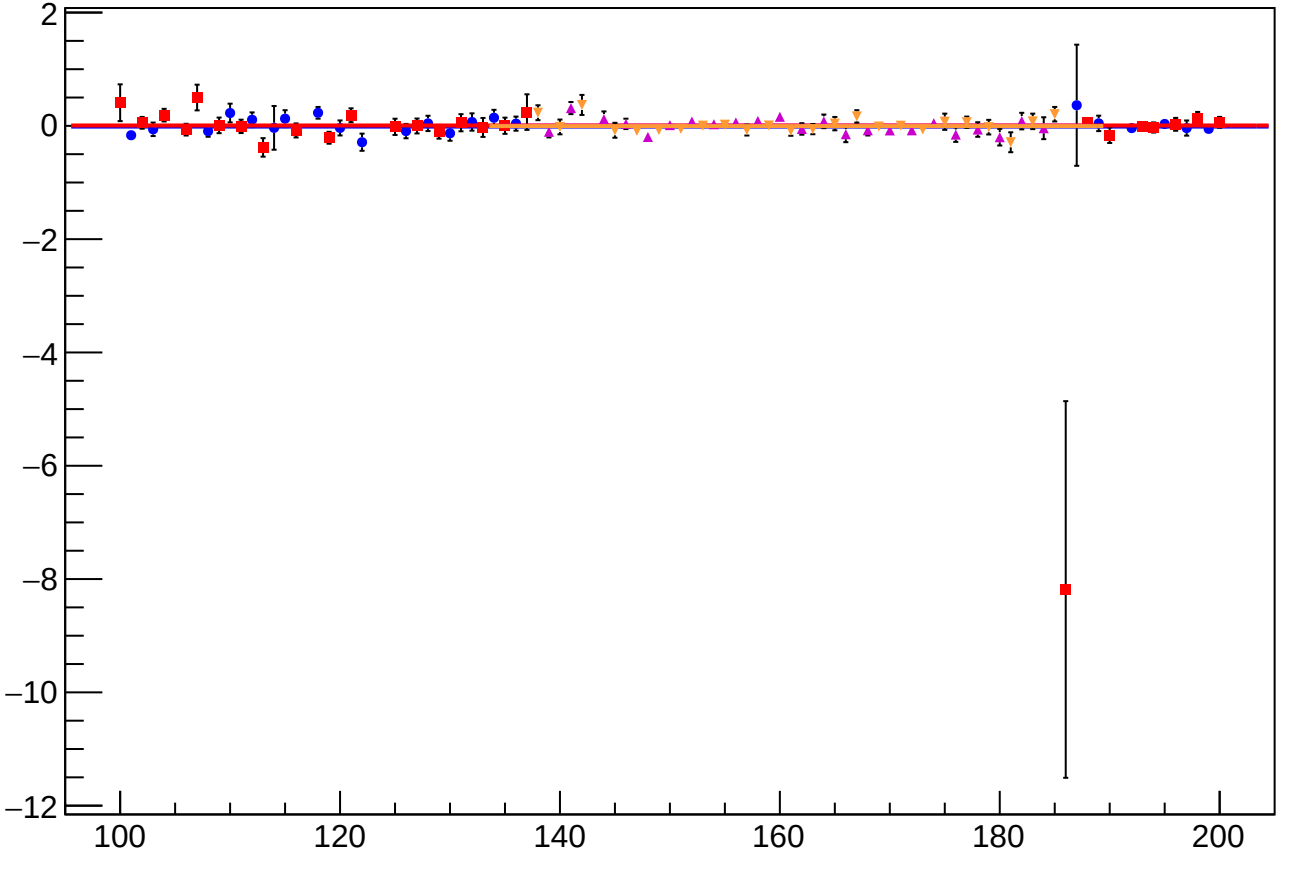
Right: 62.989+/-0.010 χ^2/NDF: 2231285.5/47

In: 63.198+/-0.009 χ^2/NDF:2441284.7/44

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

All: 62.890+/-0.006 χ^2/NDF: 5601532.7/94

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.025 χ^2/NDF: 21.2/21

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

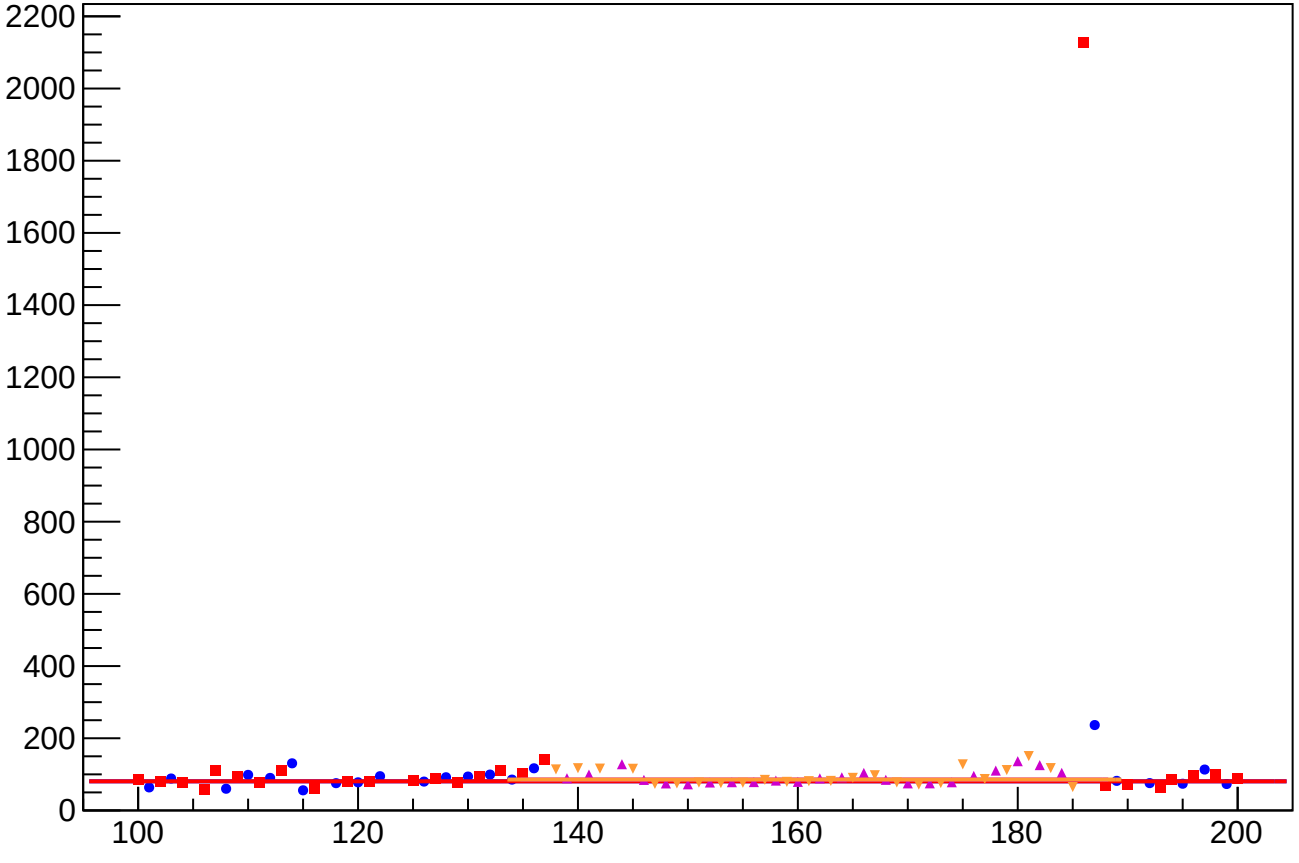
Right: -0.002+/-0.017 χ^2/NDF: 55.2/47

In: -0.004+/-0.016 χ^2/NDF:51.9/44

Out: 0.000+/-0.016 χ^2/NDF:55.1/49

All: -0.002+/-0.011 χ^2/NDF: 107.1/94

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.724+/-0.018 χ^2/NDF: 764204.8/21

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

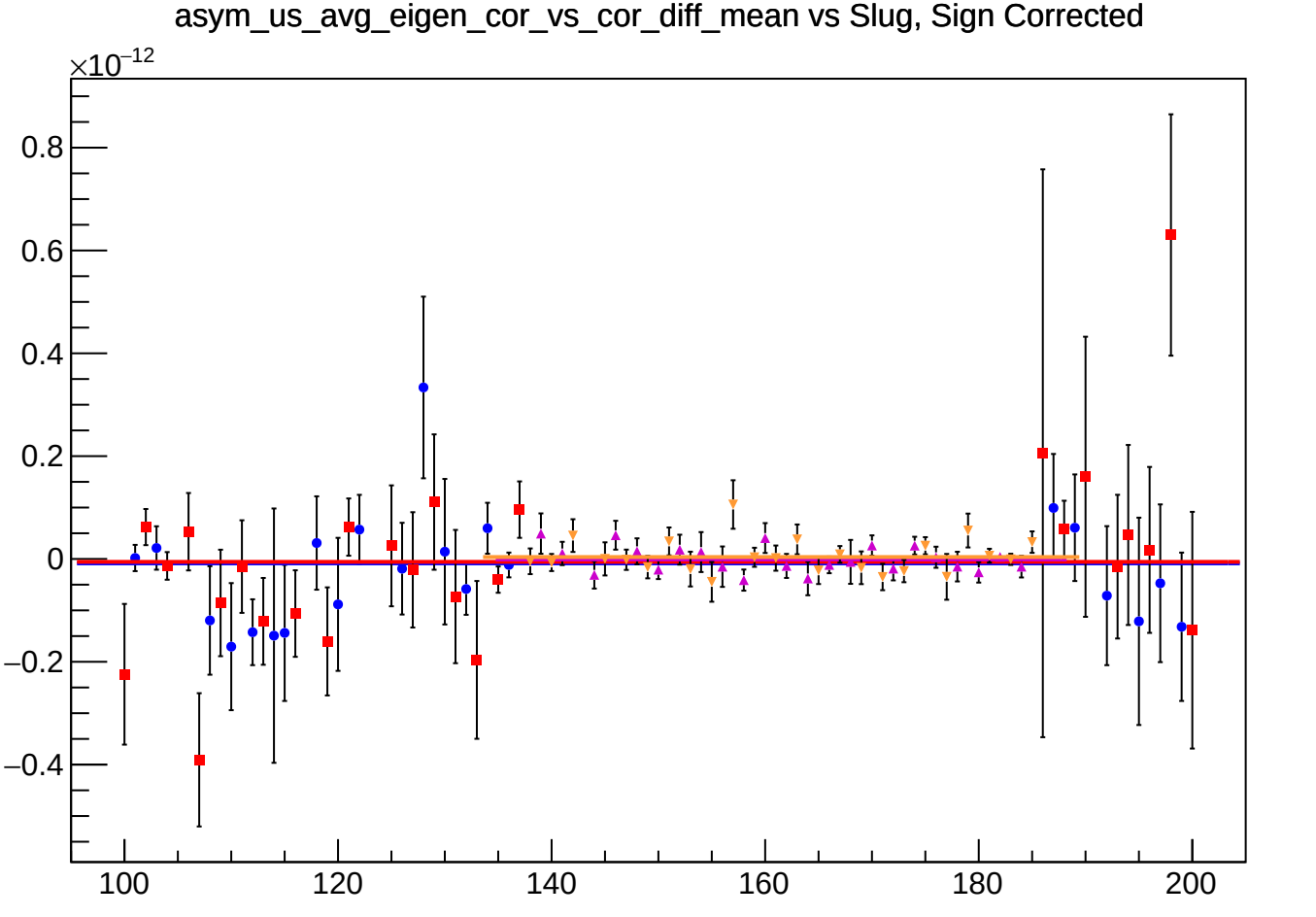
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

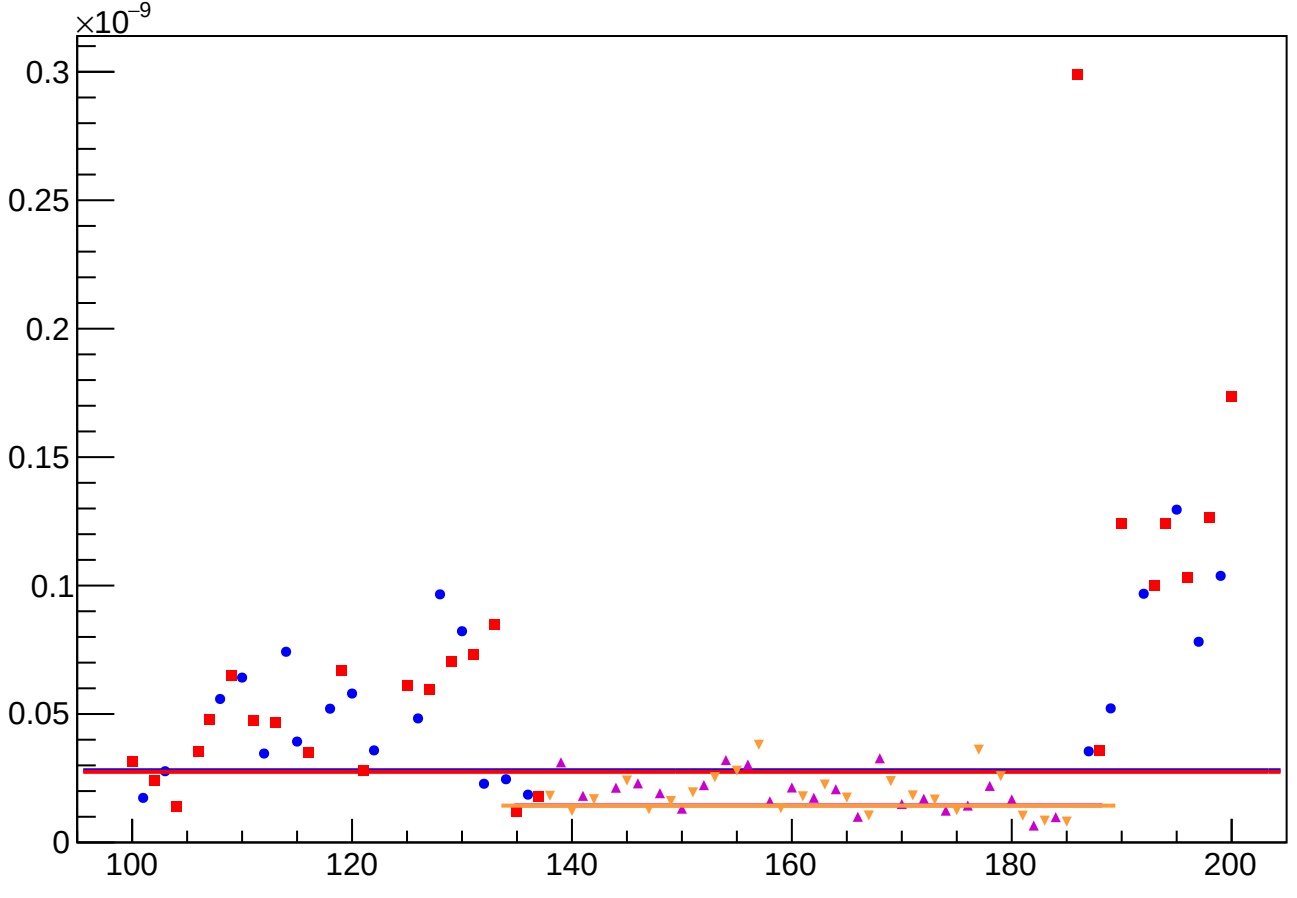
Right: 80.732+/-0.012 χ^2/NDF: 2289184.4/47

In: 83.682+/-0.011 χ^2/NDF:1806356.1/44

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

All: 83.597+/-0.008 χ^2/NDF: 4733202.4/94


asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.3/21
Left Out: 0.000+/-0.000 χ²/NDF:25.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 40.9/25
Left In: -0.000+/-0.000 χ²/NDF:23.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/46
Right: -0.000+/-0.000 χ²/NDF: 61.2/47
In: -0.000+/-0.000 χ²/NDF:44.2/44
Out: 0.000+/-0.000 χ²/NDF:66.4/49
All: 0.000+/-0.000 χ²/NDF: 111.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 3981208.9/21

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

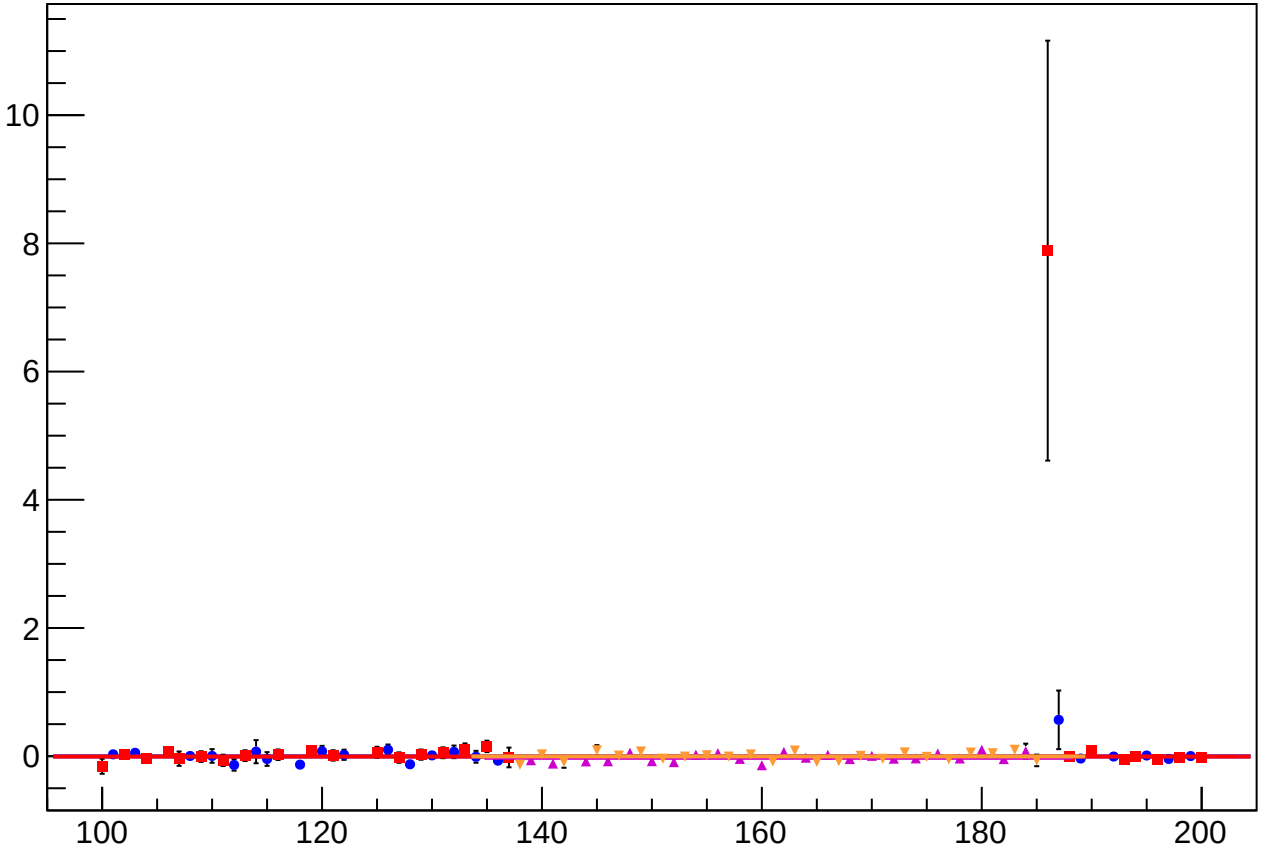
Right: 0.000+/-0.000 χ^2/NDF: 10731582.0/47

In: 0.000+/-0.000 χ^2/NDF:10263883.1/44

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

All: 0.000+/-0.000 χ^2/NDF: 22509256.2/94

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

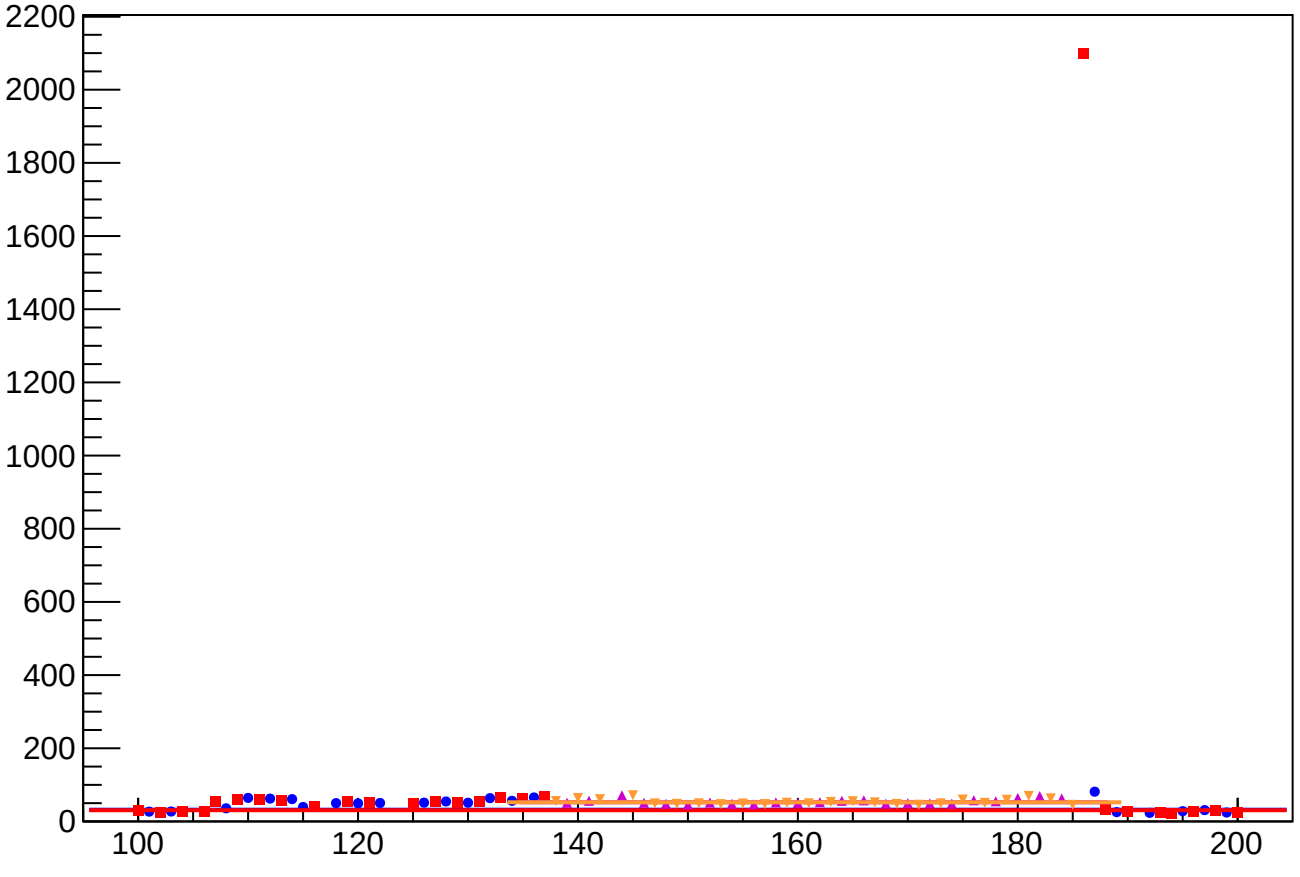
Right: -0.004+/-0.007 χ^2/NDF: 48.9/47

In: -0.012+/-0.008 χ^2/NDF:45.8/44

Out: -0.005+/-0.008 χ^2/NDF:52.4/49

All: -0.008+/-0.005 χ^2/NDF: 98.7/94

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

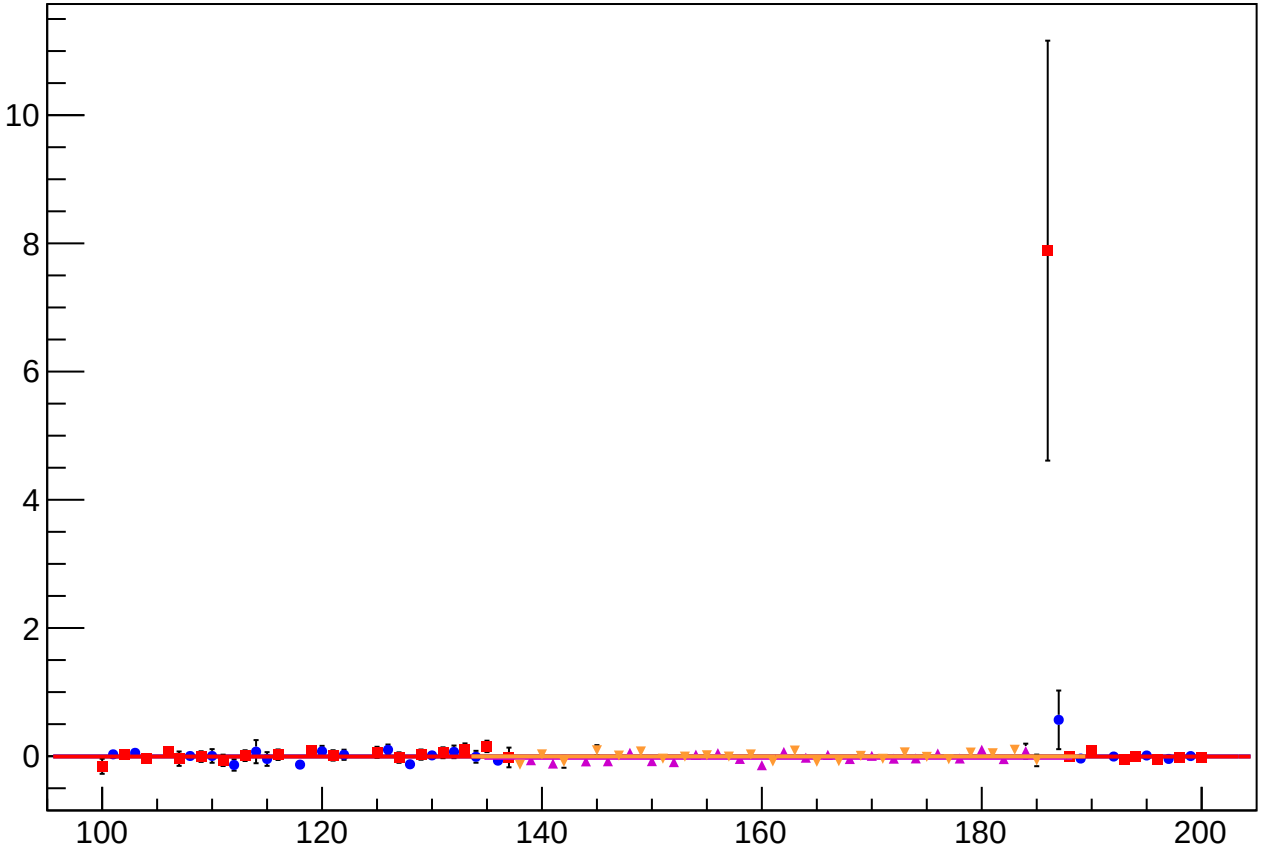
Right: 31.348+/-0.005 χ^2/NDF: 6340541.2/47

In: 40.470+/-0.006 χ^2/NDF:6209724.6/44

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

All: 39.493+/-0.004 χ^2/NDF: 14323096.8/94

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

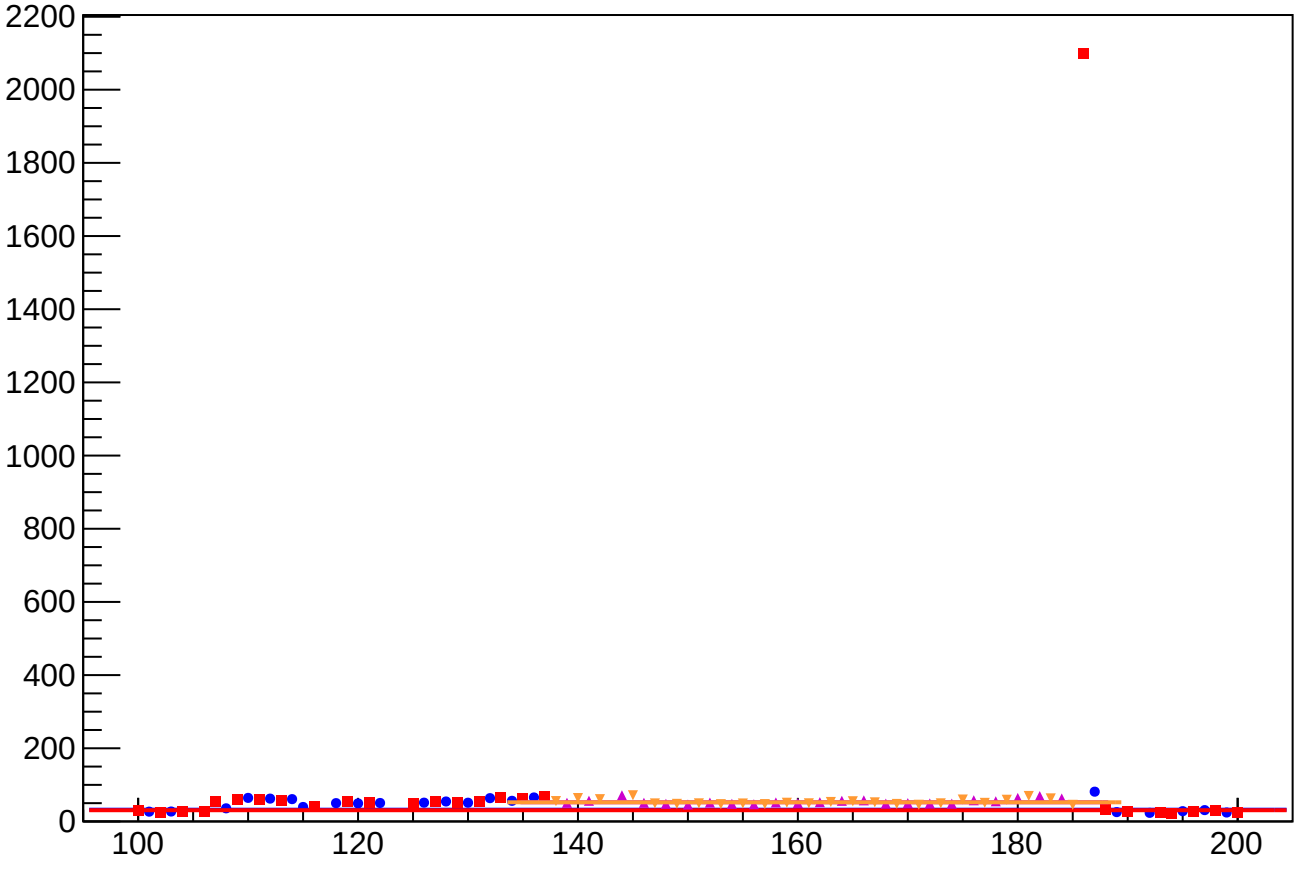
Right: -0.004+/-0.007 χ^2/NDF: 48.9/47

In: -0.012+/-0.008 χ^2/NDF:45.8/44

Out: -0.005+/-0.008 χ^2/NDF:52.4/49

All: -0.008+/-0.005 χ^2/NDF: 98.7/94

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

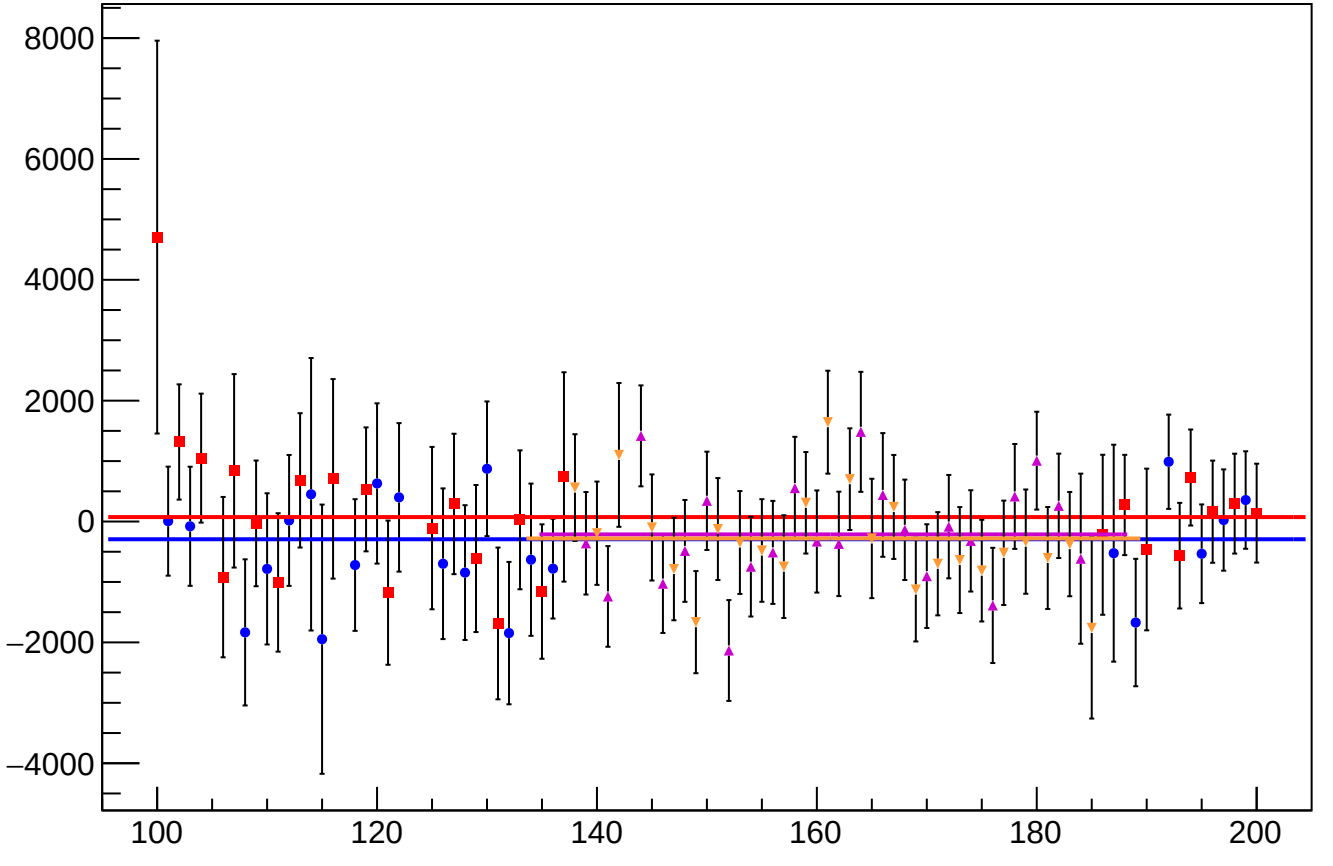
Right: 31.348+/-0.005 χ^2/NDF: 6340541.2/47

In: 40.470+/-0.006 χ^2/NDF:6209724.6/44

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

All: 39.493+/-0.004 χ^2/NDF: 14323096.8/94

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

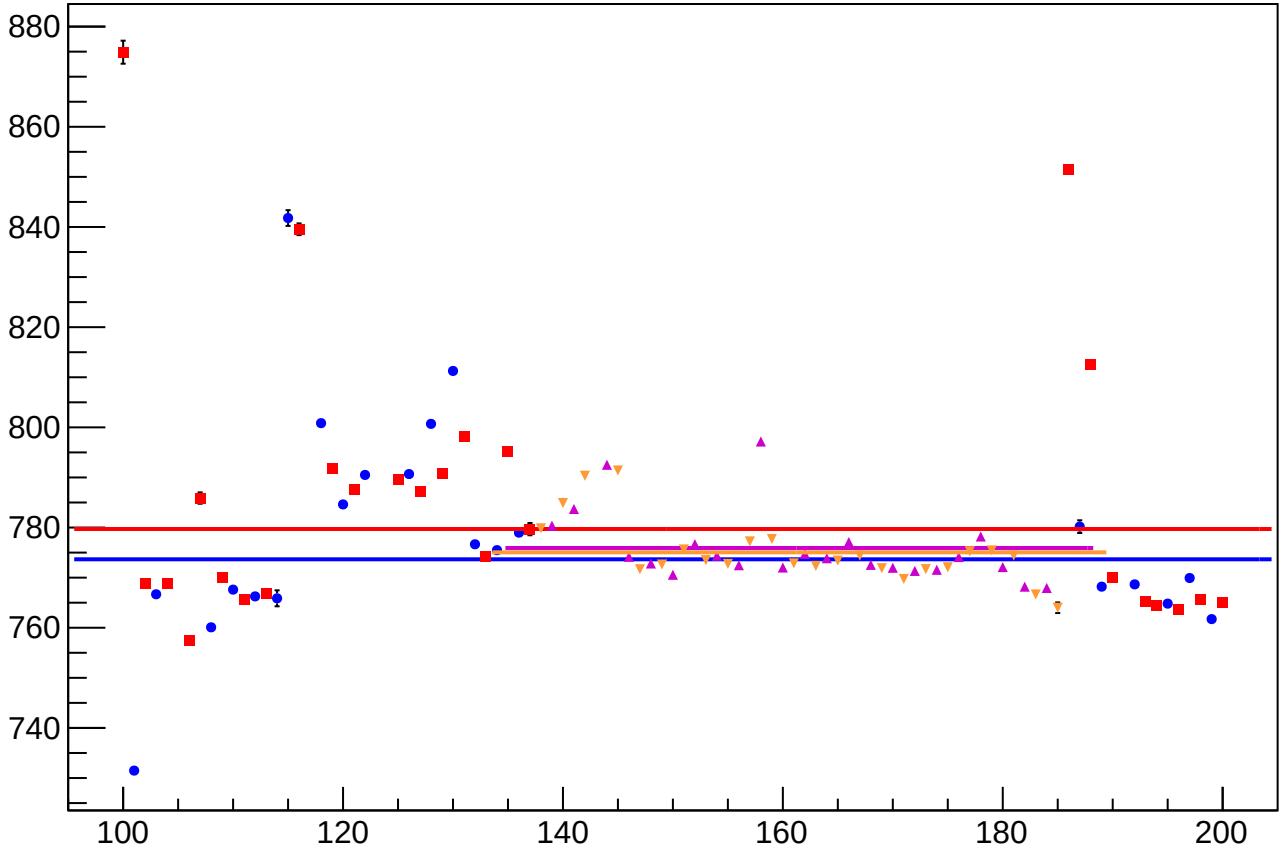
Right: -98.326+/-155.846 χ^2/NDF: 27.2/47

In: -244.426+/-141.765 χ^2/NDF:35.0/44

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

All: -187.386+/-98.751 χ^2/NDF: 66.3/94

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

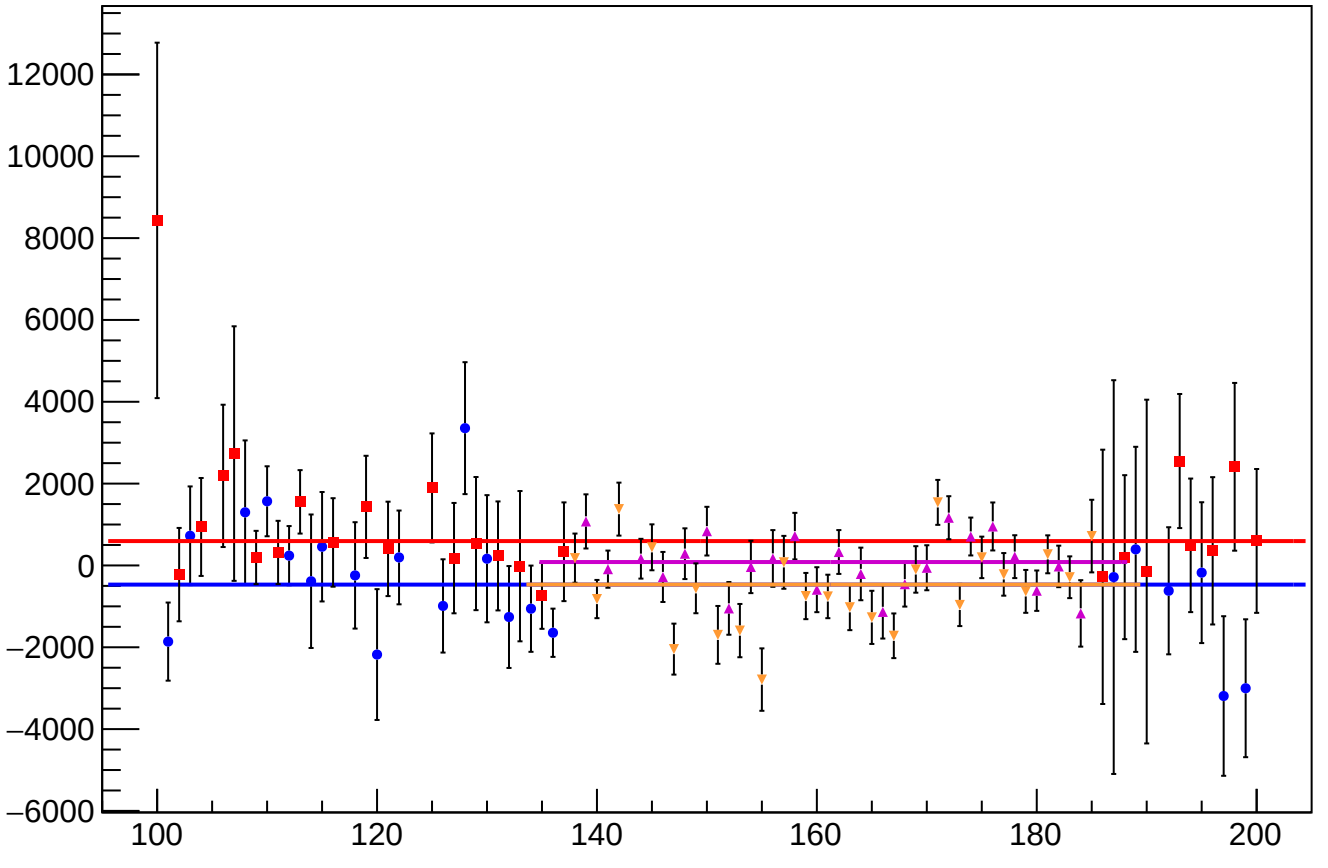
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 776.878+/-0.110 χ^2/NDF: 34170.7/47

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

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

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

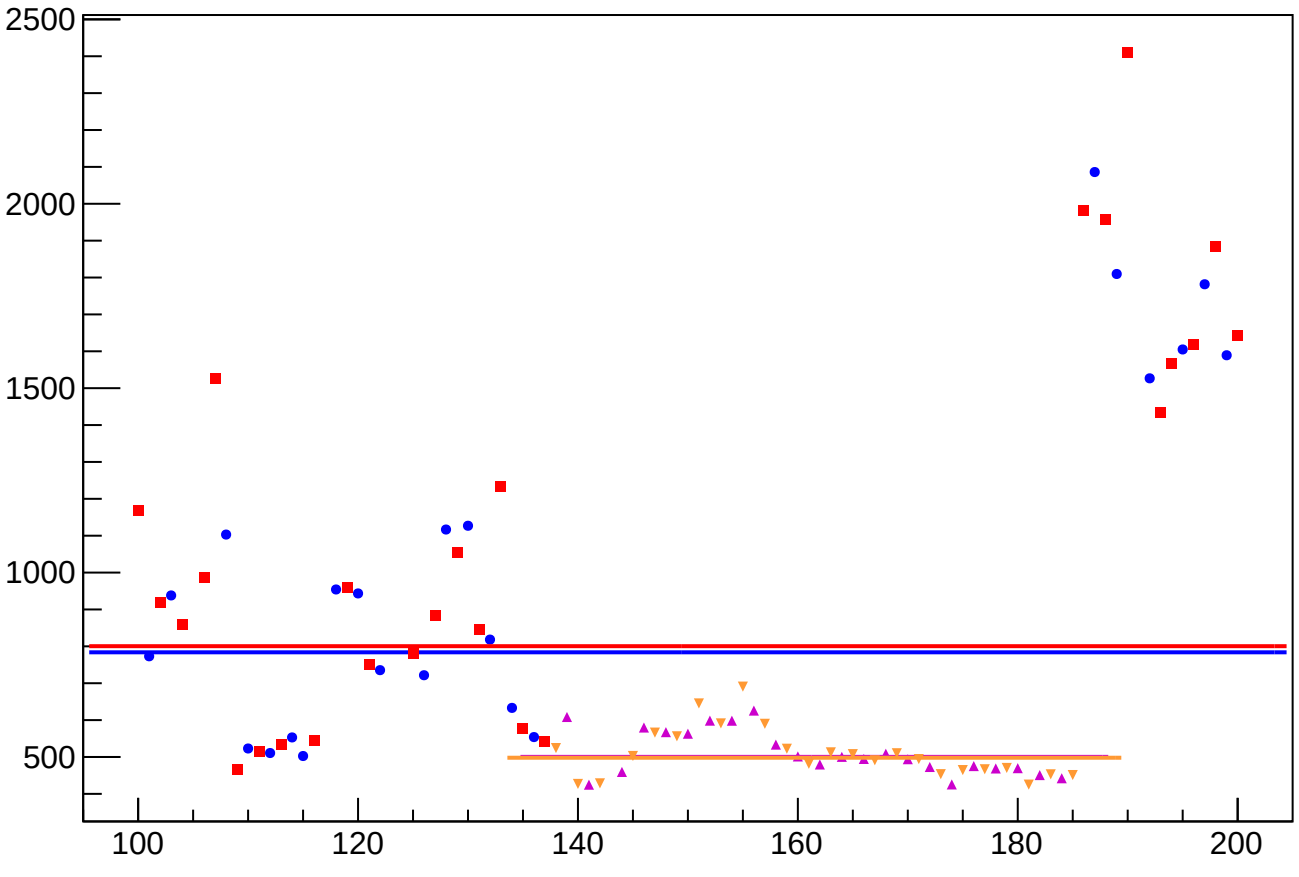
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 77.827+/-176.436 χ^2/NDF: 51.0/47

In: -15.173+/-106.794 χ^2/NDF:59.8/44

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

All: -145.296+/-75.040 χ^2/NDF: 156.5/94



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

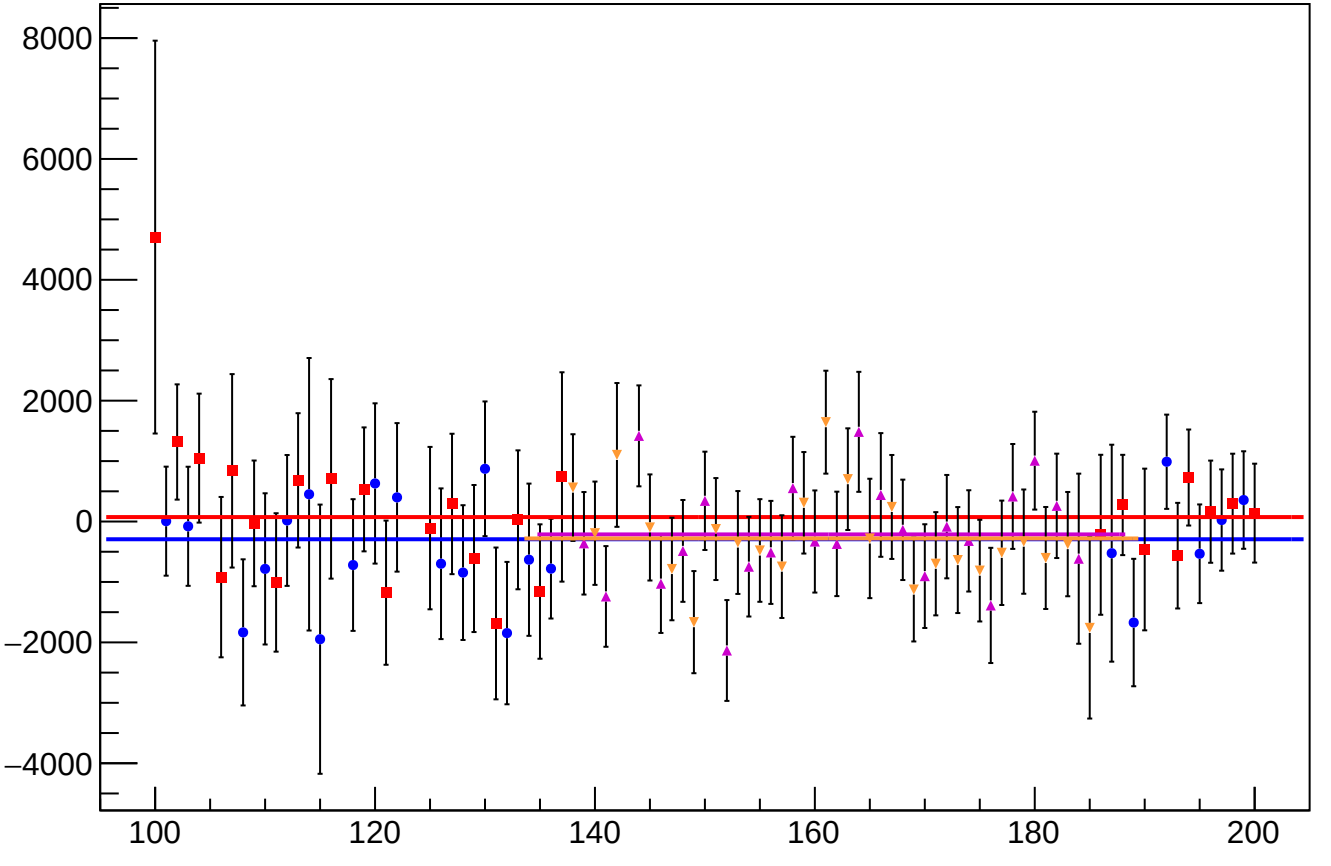
Right: 792.337+/-0.125 χ^2/NDF: 8857959.3/47

In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

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

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

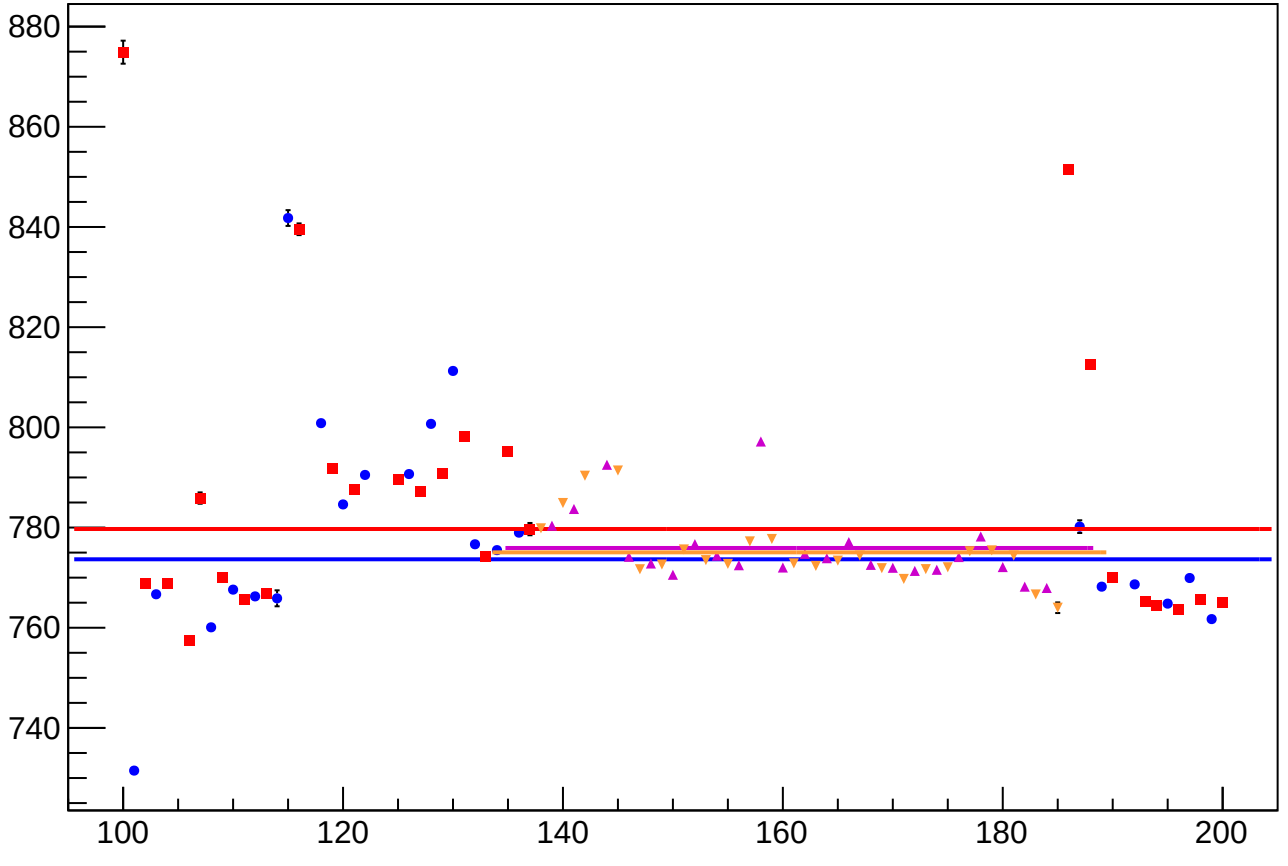
Right: -98.326+/-155.846 χ^2/NDF: 27.2/47

In: -244.426+/-141.765 χ^2/NDF:35.0/44

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

All: -187.386+/-98.751 χ^2/NDF: 66.3/94

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

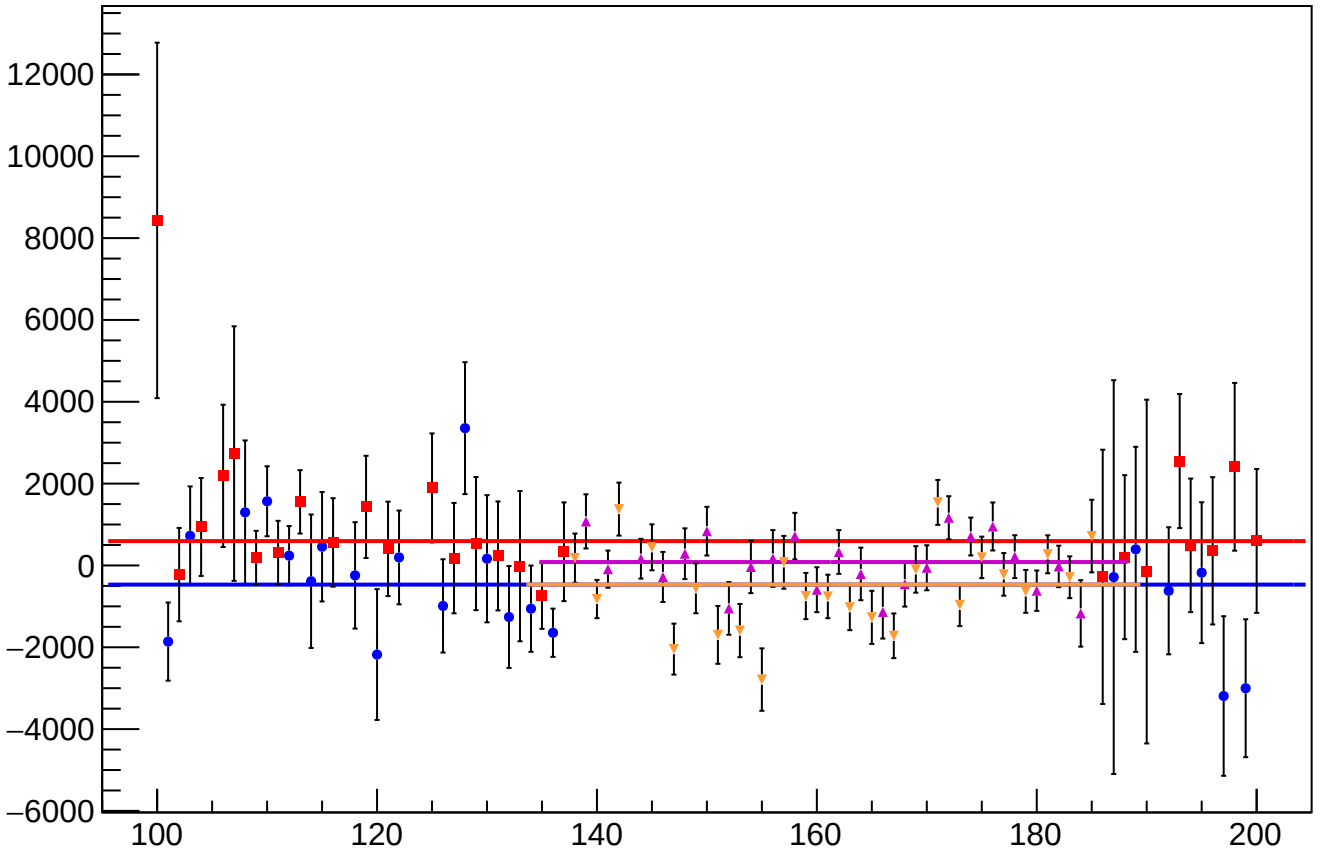
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 776.878+/-0.110 χ^2/NDF: 34170.7/47

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

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

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

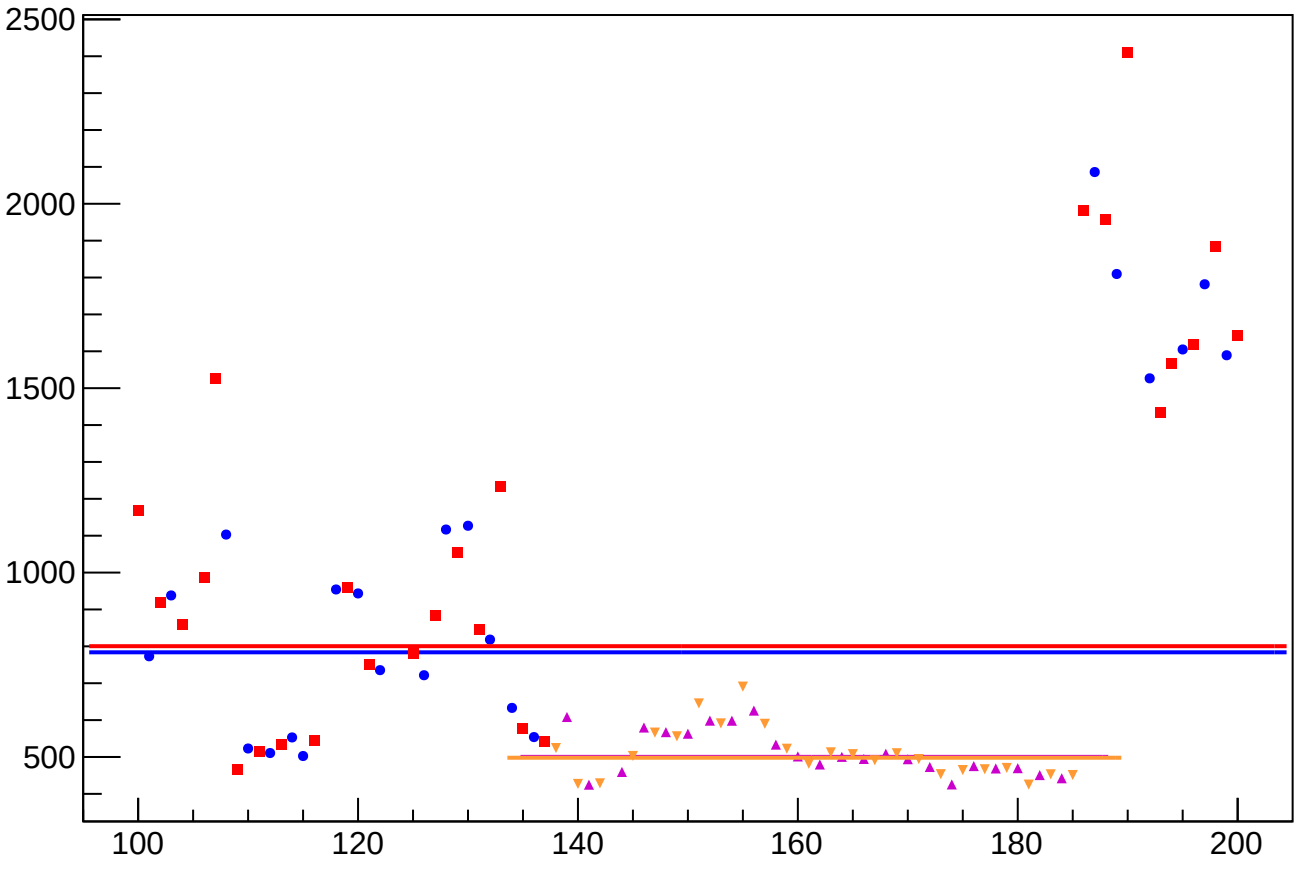
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 77.827+/-176.436 χ^2/NDF: 51.0/47

In: -15.173+/-106.794 χ^2/NDF:59.8/44

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

All: -145.296+/-75.040 χ^2/NDF: 156.5/94



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

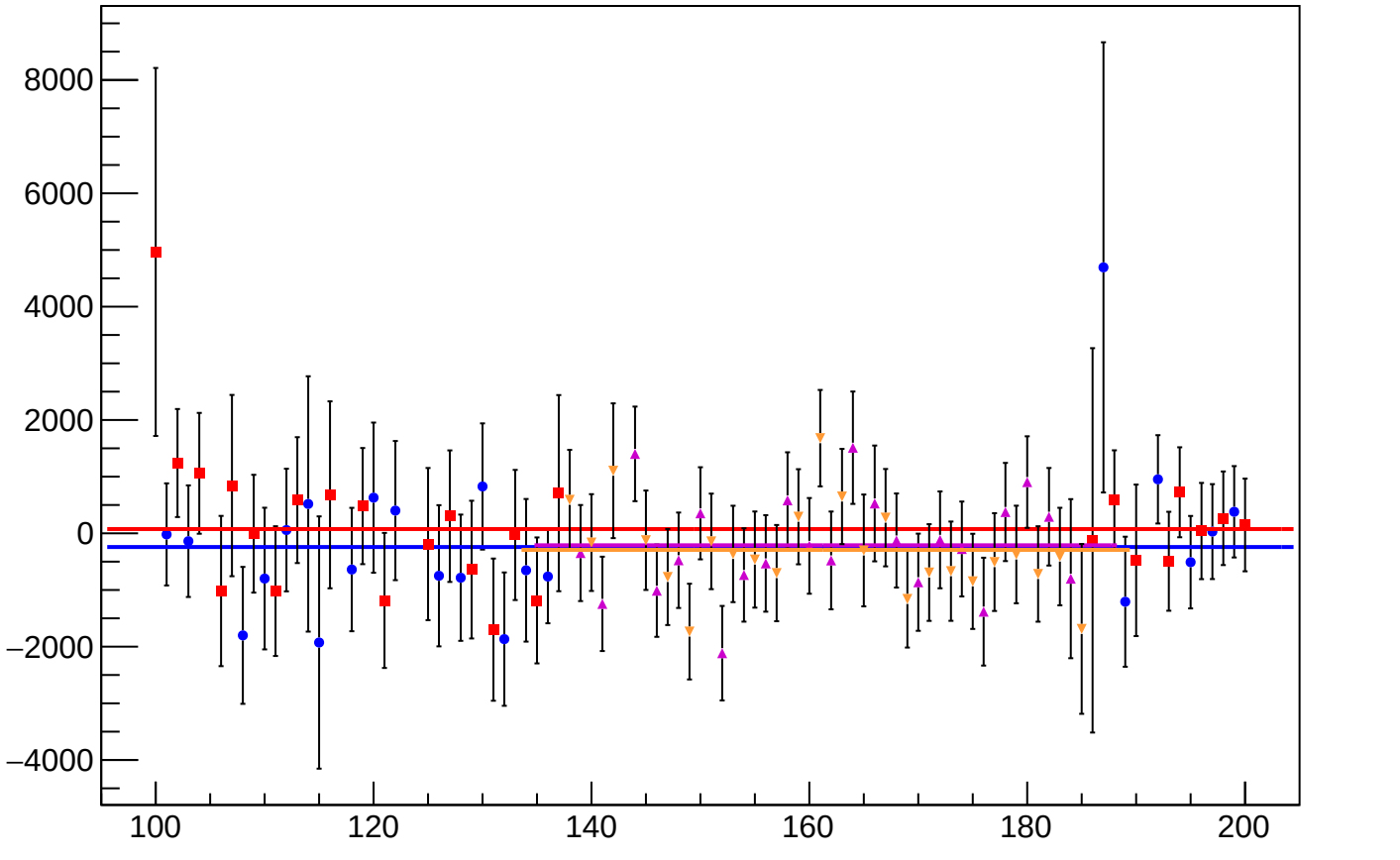
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 792.337+/-0.125 χ^2/NDF: 8857959.3/47

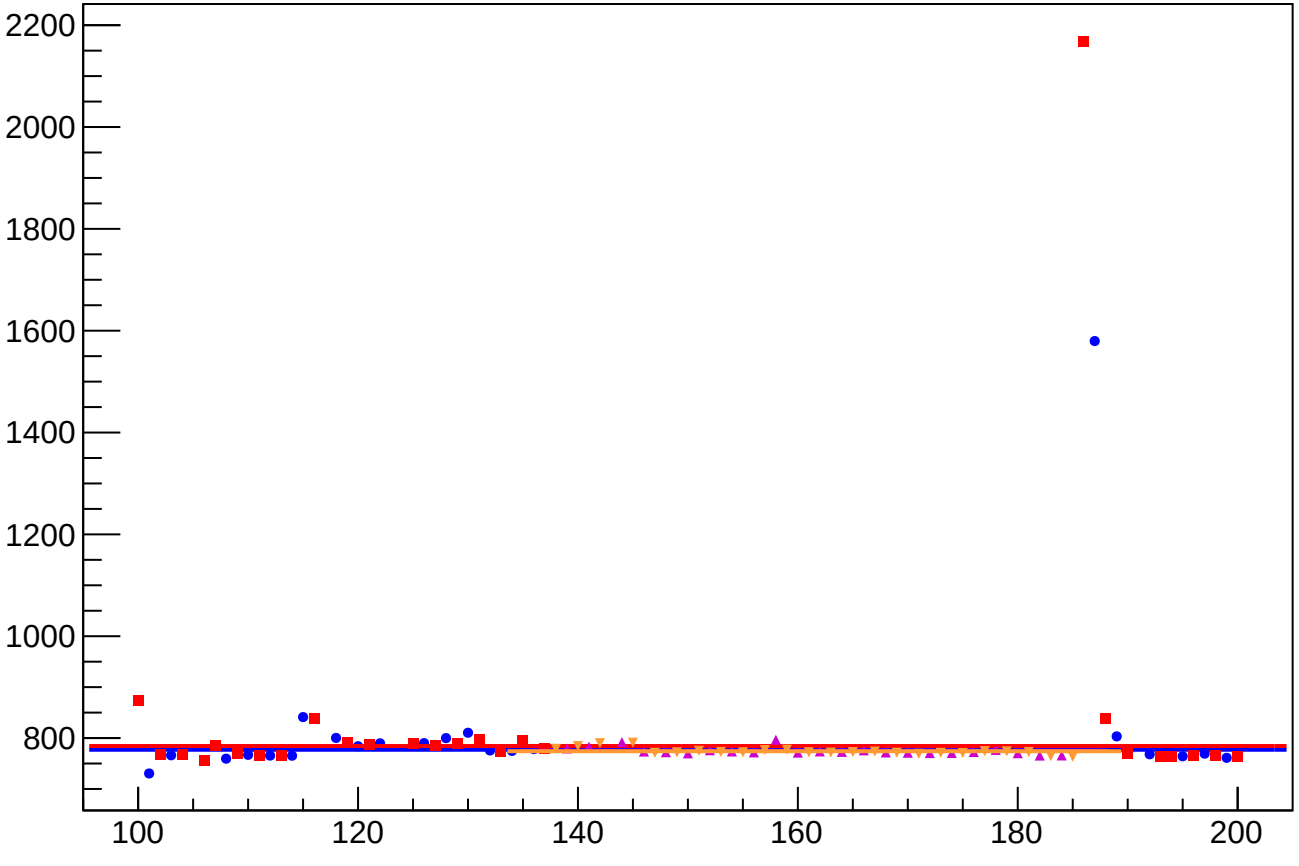
In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

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

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94


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: -241.957+/-229.802 χ²/NDF: 12.7/21
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: -73.899+/-157.697 χ²/NDF: 27.3/47
In: -222.995+/-142.167 χ²/NDF:34.8/44
Out: -142.316+/-138.339 χ²/NDF:31.9/49
All: -181.554+/-99.146 χ²/NDF: 66.9/94

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.036+/-0.162 χ^2/NDF: 96525.3/21

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

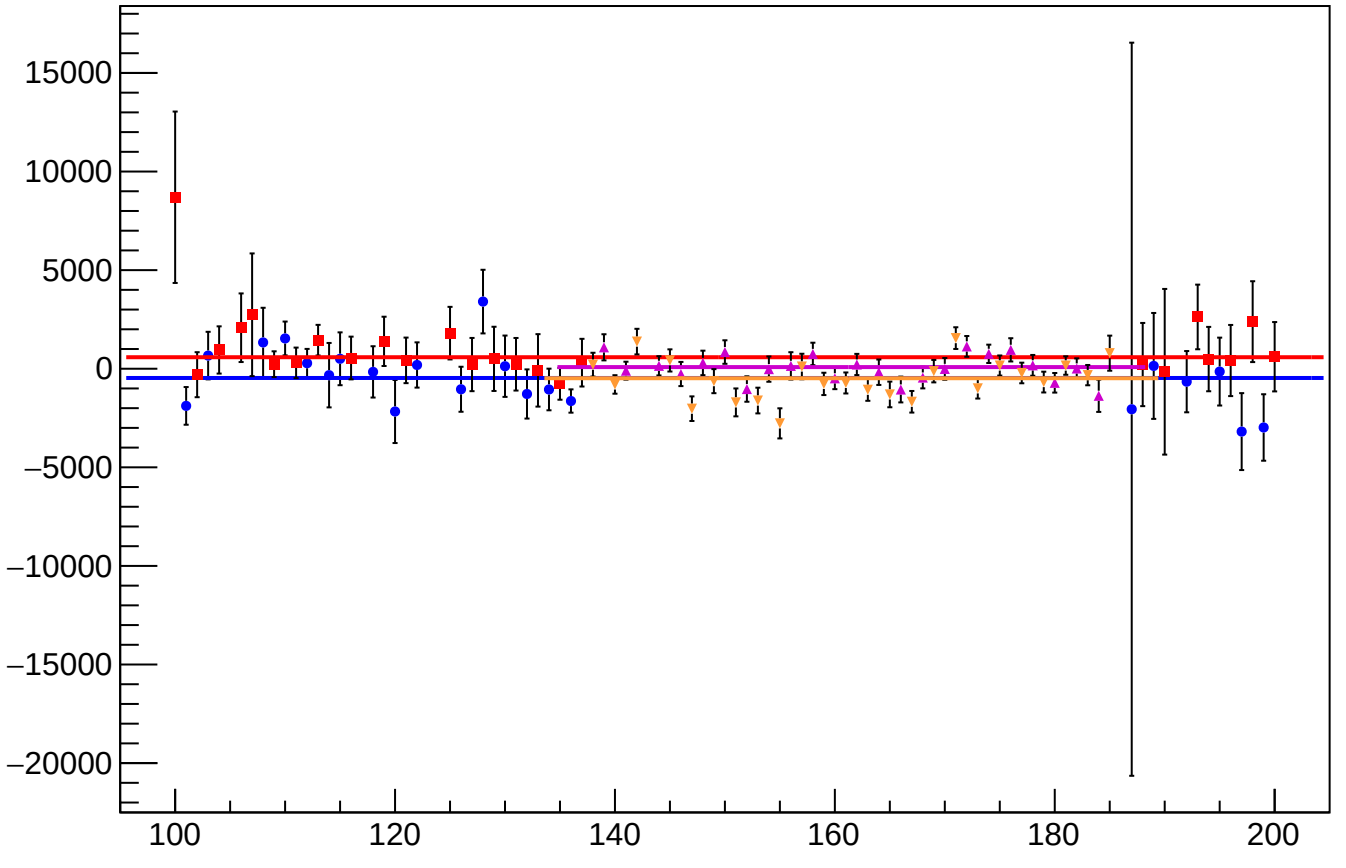
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 780.899+/-0.112 χ^2/NDF: 451580.4/47

In: 775.773+/-0.101 χ^2/NDF:99771.5/44

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

All: 777.067+/-0.070 χ^2/NDF: 458763.6/94



Right In: -468.878+/-253.781 χ^2/NDF: 27.8/21

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

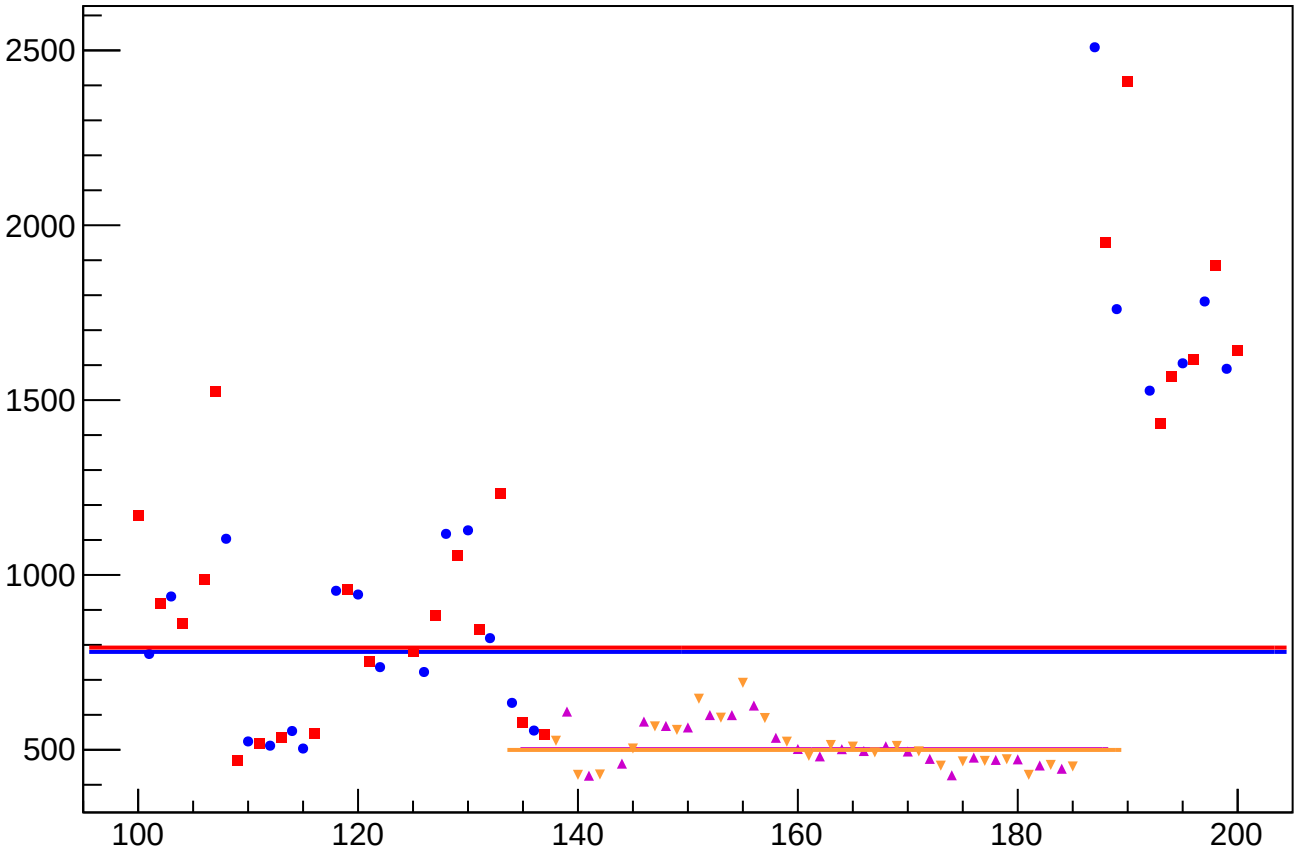
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 70.502+/-177.196 χ^2/NDF: 50.5/46

In: -15.208+/-107.144 χ^2/NDF:59.9/44

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

All: -152.549+/-75.299 χ^2/NDF: 155.7/93



Right In: 779.957+/-0.179 χ^2/NDF: 3456397.2/21

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

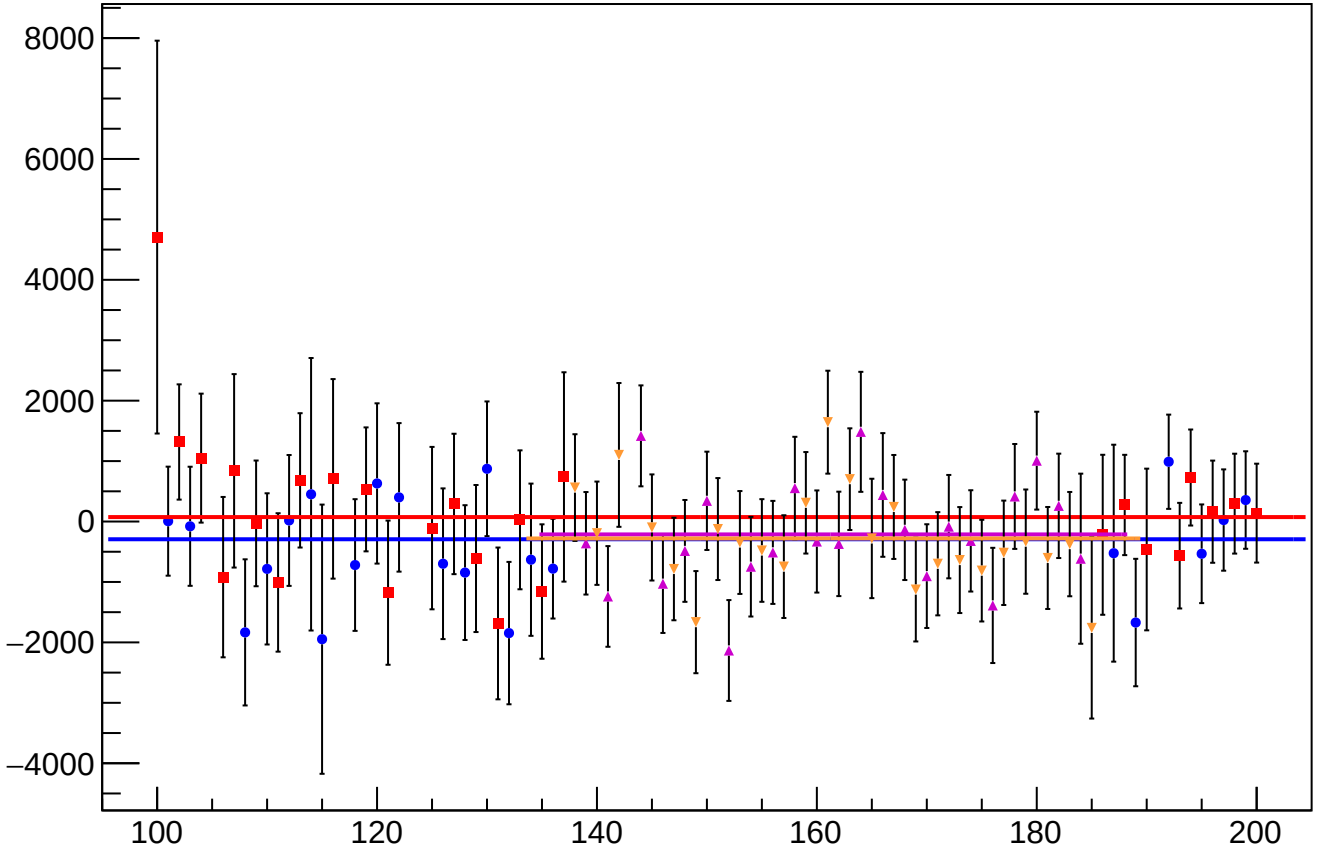
Right: 786.296+/-0.125 χ^2/NDF: 8262539.3/46

In: 551.566+/-0.076 χ^2/NDF:5895040.6/44

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

All: 552.385+/-0.053 χ^2/NDF: 13499881.2/93

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

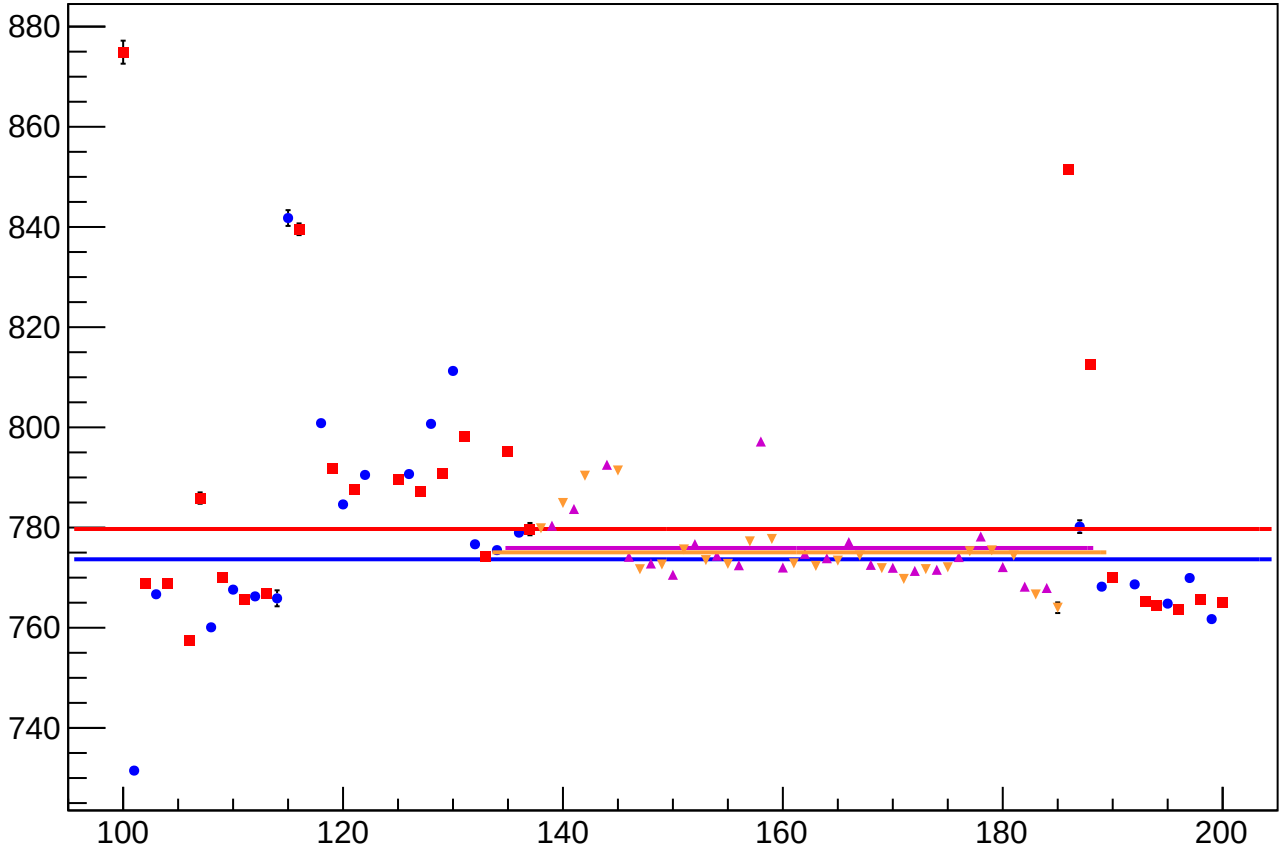
Right: -98.326+/-155.846 χ^2/NDF: 27.2/47

In: -244.426+/-141.765 χ^2/NDF:35.0/44

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

All: -187.386+/-98.751 χ^2/NDF: 66.3/94

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

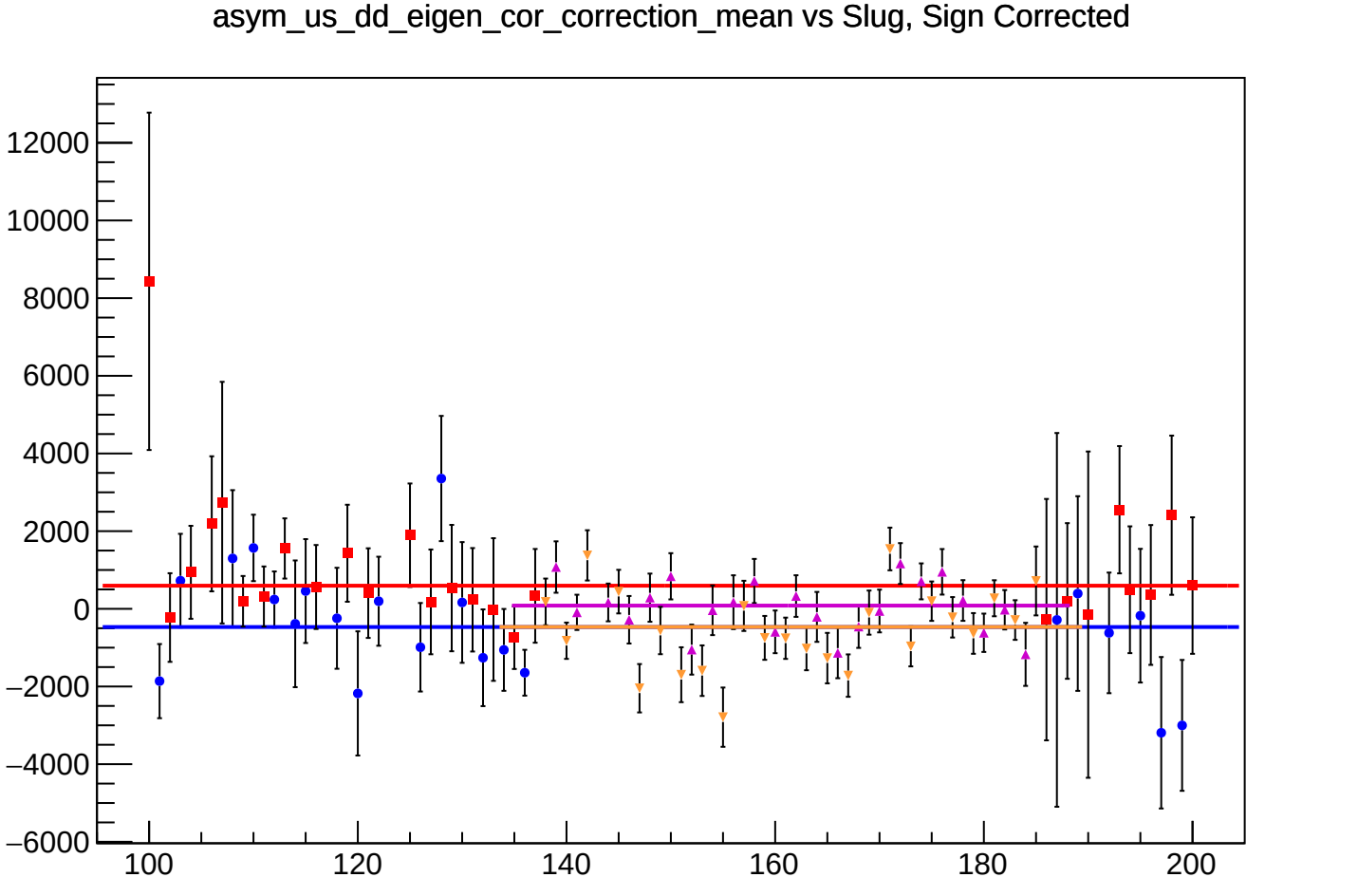
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

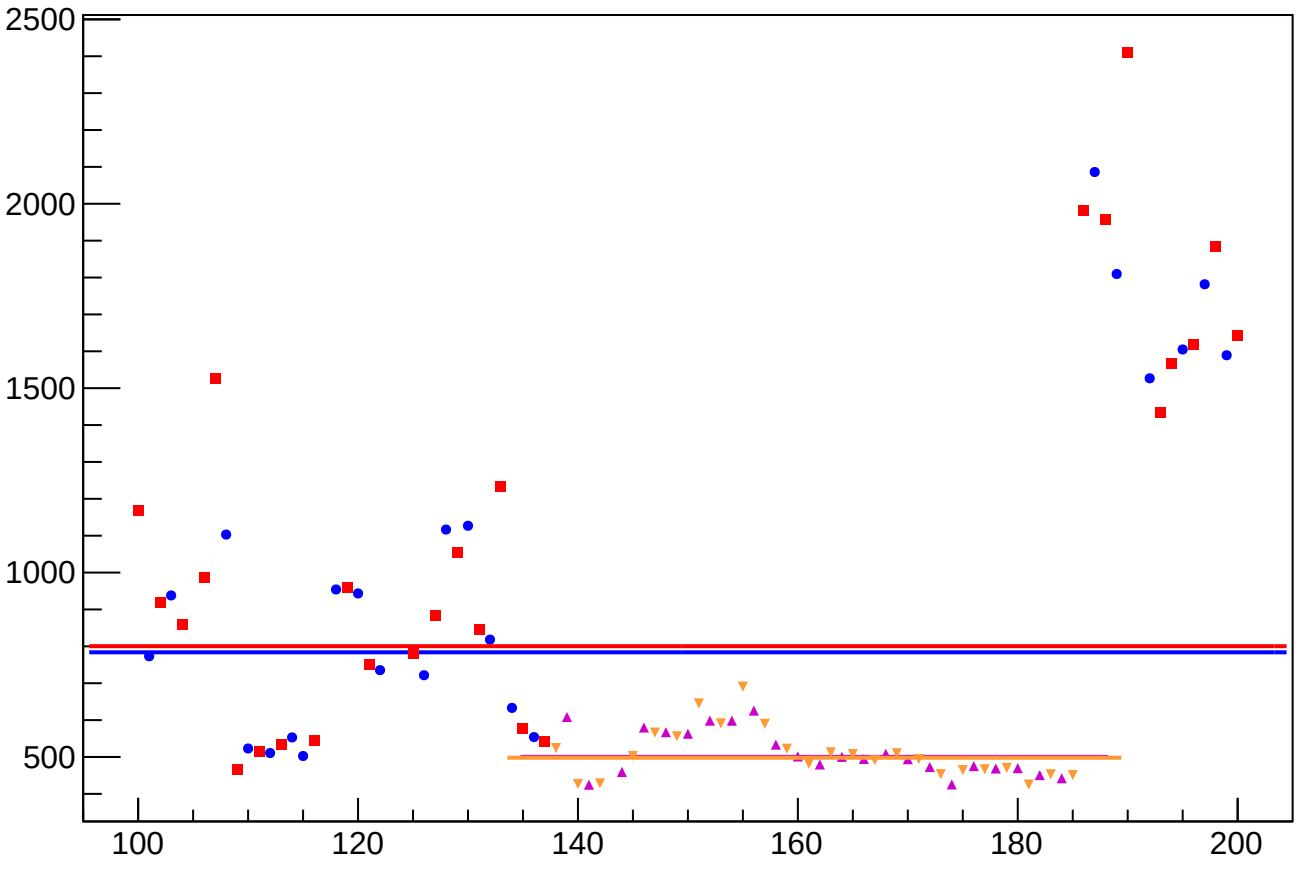
Right: 776.878+/-0.110 χ^2/NDF: 34170.7/47

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

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

All: 776.043+/-0.070 χ^2/NDF: 39214.3/94


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -468.484+/-252.950 χ²/NDF: 27.8/21
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 595.459+/-246.222 χ²/NDF: 14.1/25
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 77.827+/-176.436 χ²/NDF: 51.0/47
In: -15.173+/-106.794 χ²/NDF:59.8/44
Out: -272.198+/-105.464 χ²/NDF:93.7/49
All: -145.296+/-75.040 χ²/NDF: 156.5/94



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

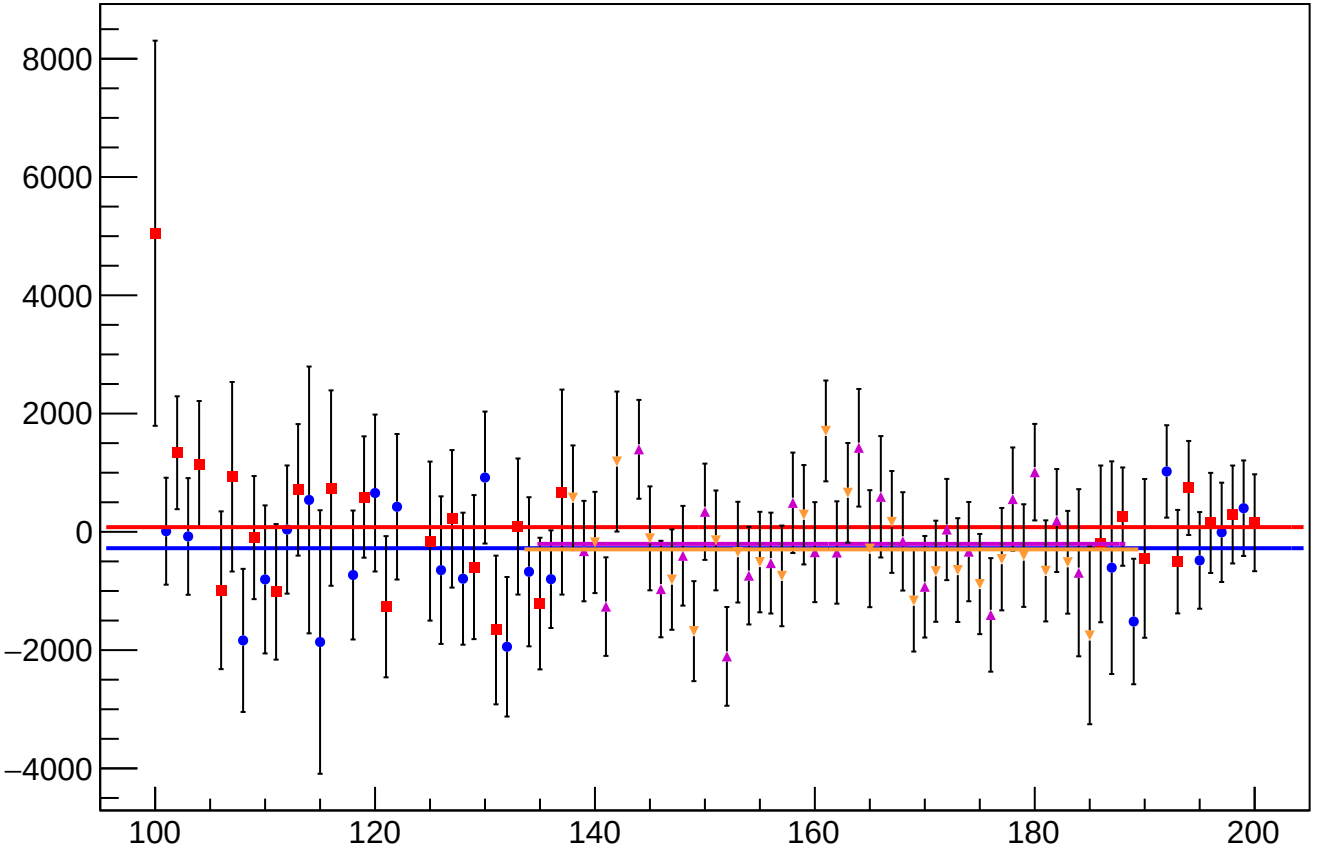
Right: 792.337+/-0.125 χ^2/NDF: 8857959.3/47

In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

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

All: 552.164+/-0.053 χ^2/NDF: 14387136.3/94

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

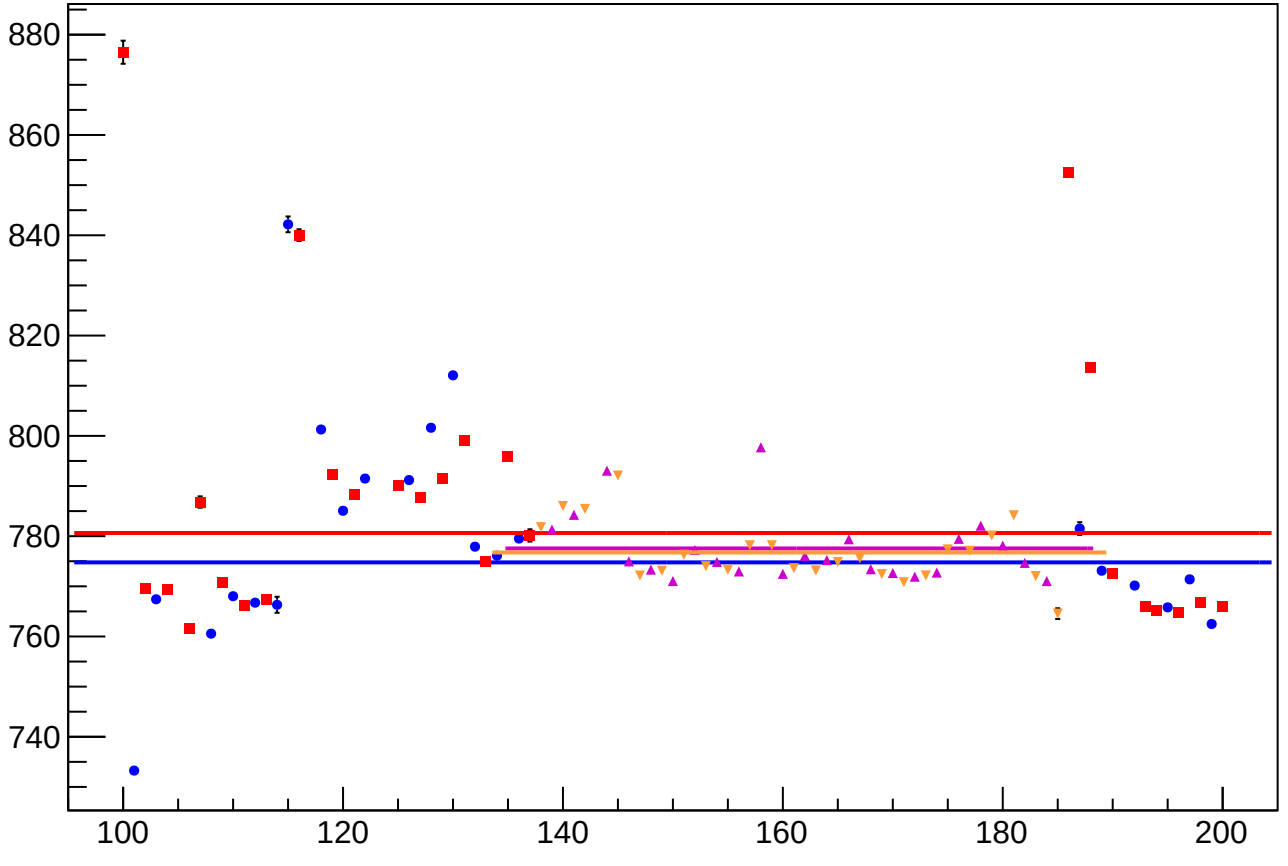
Right: -87.314+/-156.048 χ^2/NDF: 28.1/47

In: -231.786+/-142.026 χ^2/NDF:34.8/44

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

All: -184.841+/-98.930 χ^2/NDF: 67.7/94

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

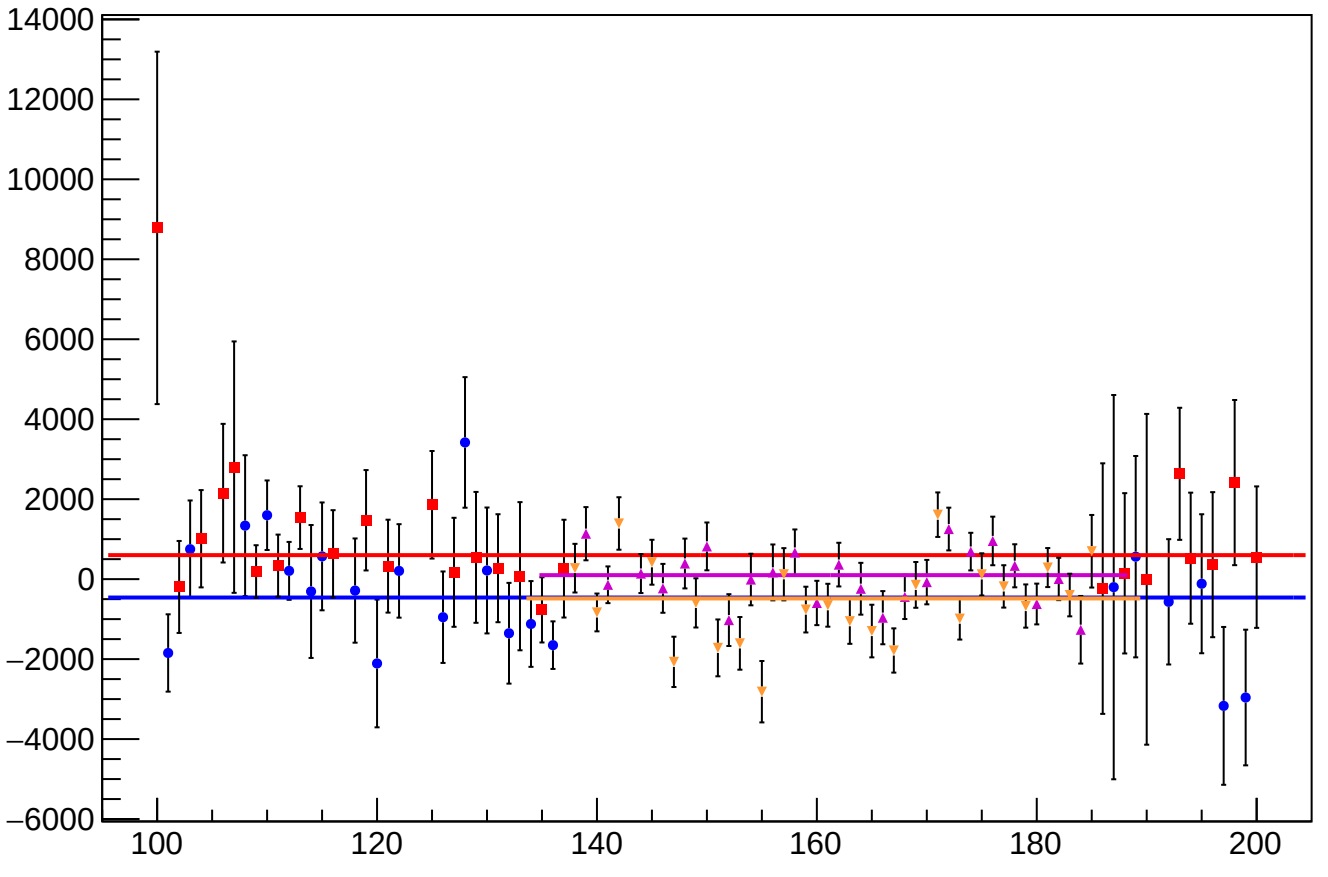
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 777.890+/-0.110 χ^2/NDF: 33556.8/47

In: 776.473+/-0.100 χ^2/NDF:15890.1/44

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

All: 777.446+/-0.070 χ^2/NDF: 38180.5/94



Right In: -459.845+/-255.400 χ^2/NDF: 27.7/21

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

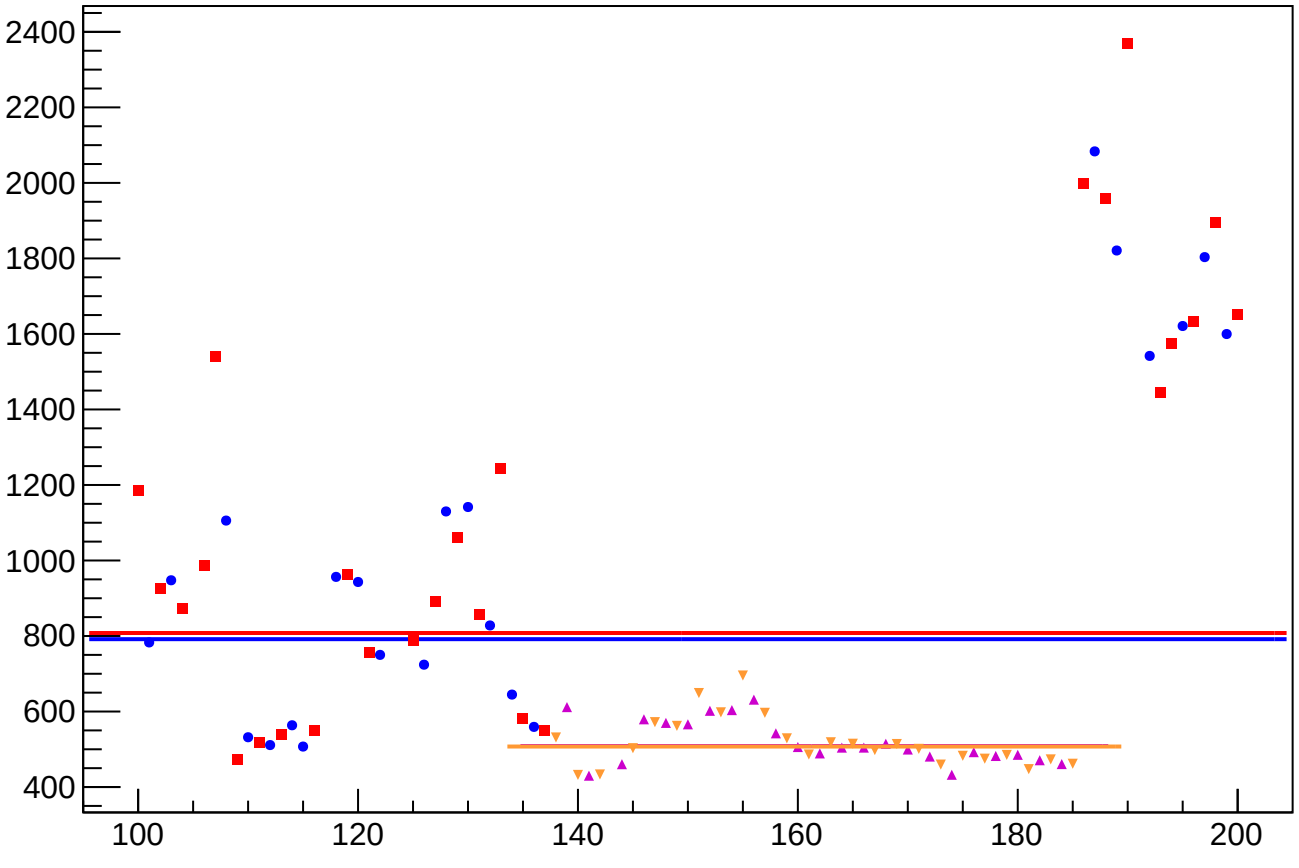
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 85.261+/-178.041 χ^2/NDF: 50.8/47

In: -0.807+/-108.369 χ^2/NDF:59.1/44

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

All: -142.500+/-76.202 χ^2/NDF: 157.3/94



Right In: 791.628+/-0.181 χ^2/NDF: 3661776.0/21

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

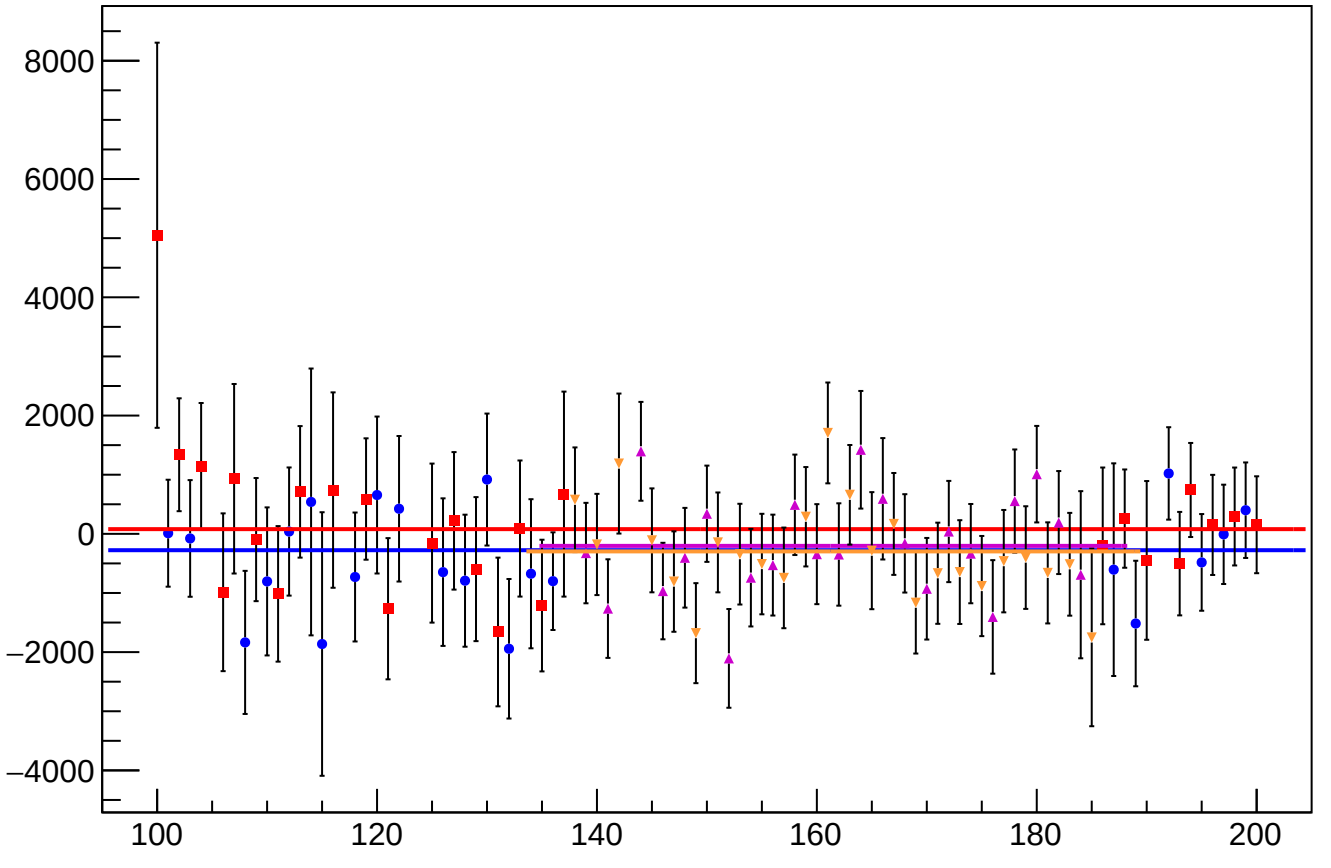
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 800.016+/-0.126 χ^2/NDF: 8822091.5/47

In: 559.588+/-0.077 χ^2/NDF:6107586.7/44

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

All: 561.471+/-0.054 χ^2/NDF: 14124103.9/94



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

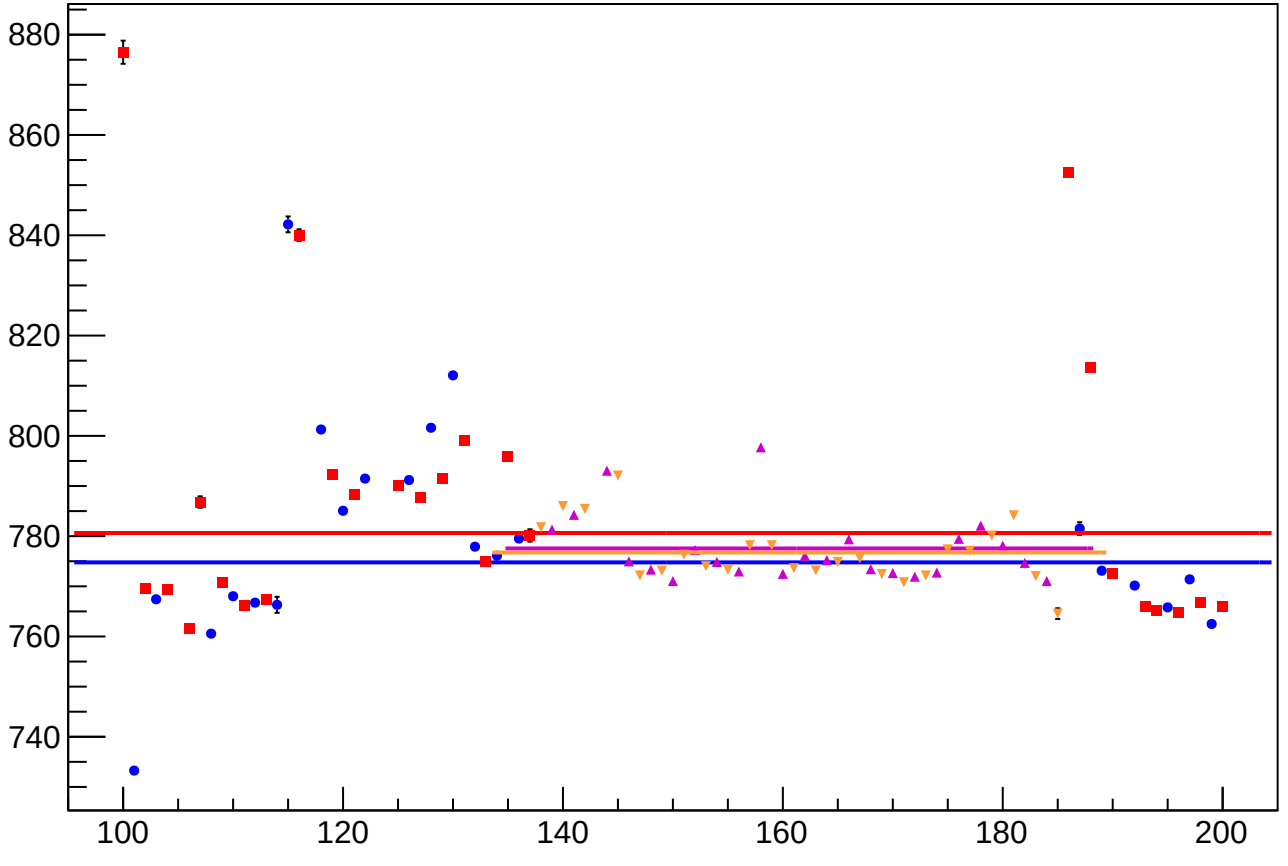
Right: -87.314+/-156.048 χ^2/NDF: 28.1/47

In: -231.785+/-142.026 χ^2/NDF:34.8/44

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

All: -184.841+/-98.930 χ^2/NDF: 67.7/94

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

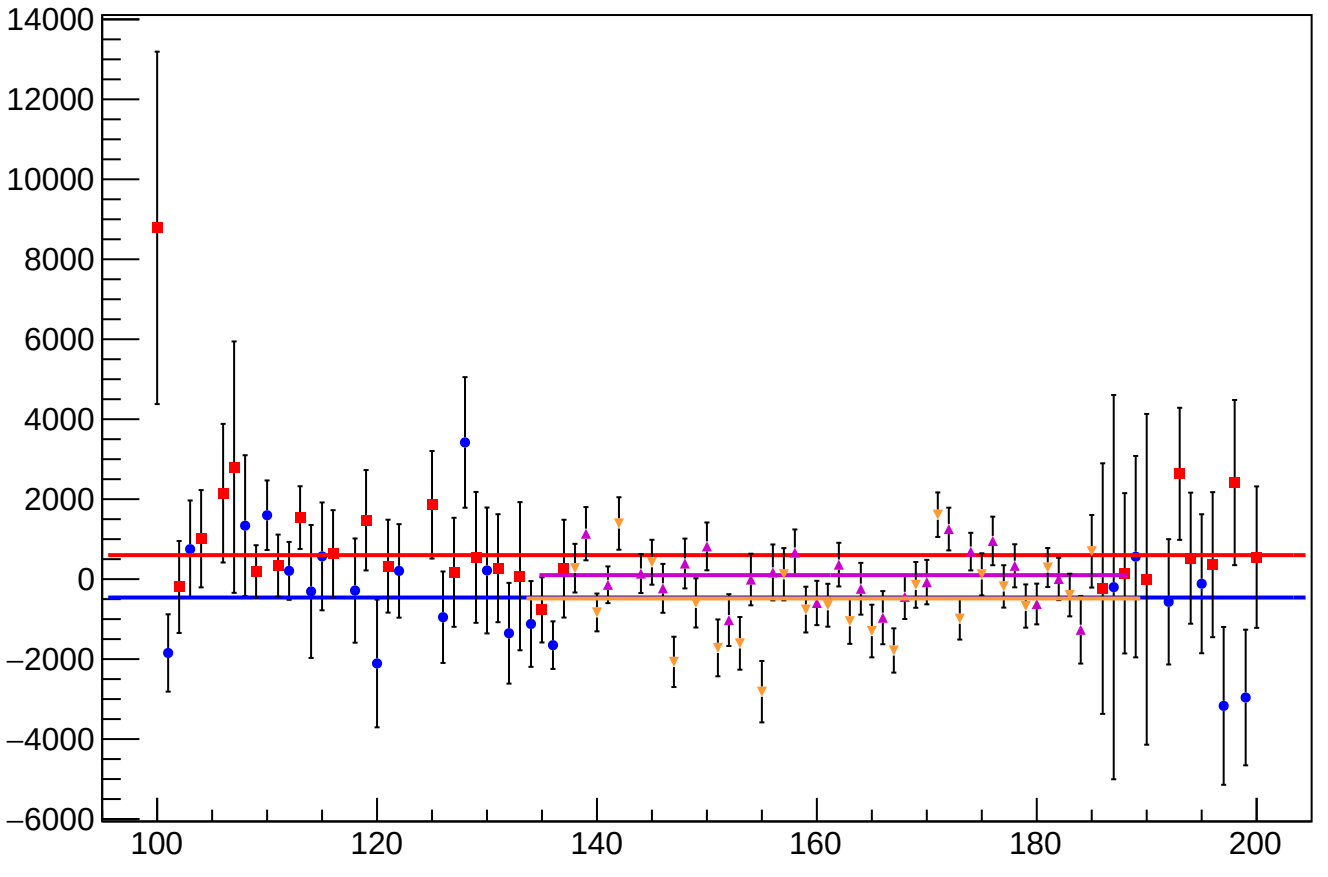
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 777.890+/-0.110 χ^2/NDF: 33556.7/47

In: 776.473+/-0.100 χ^2/NDF:15890.1/44

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

All: 777.446+/-0.070 χ^2/NDF: 38180.4/94



Right In: -459.840+/-255.398 χ^2/NDF: 27.7/21

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

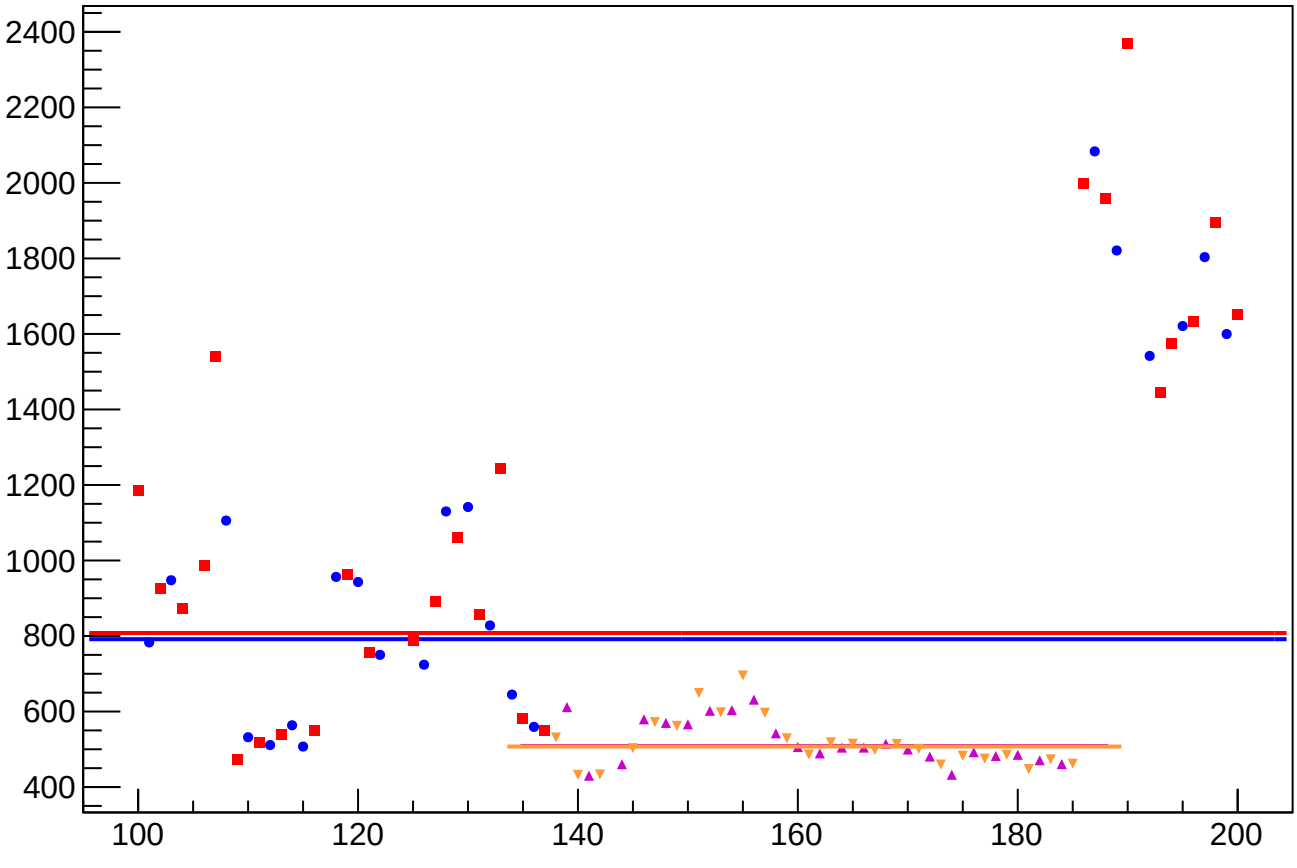
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 85.262+/-178.040 χ^2/NDF: 50.8/47

In: -0.807+/-108.369 χ^2/NDF:59.1/44

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

All: -142.500+/-76.202 χ^2/NDF: 157.3/94



Right In: 791.624+/-0.181 χ^2/NDF: 3661807.7/21

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

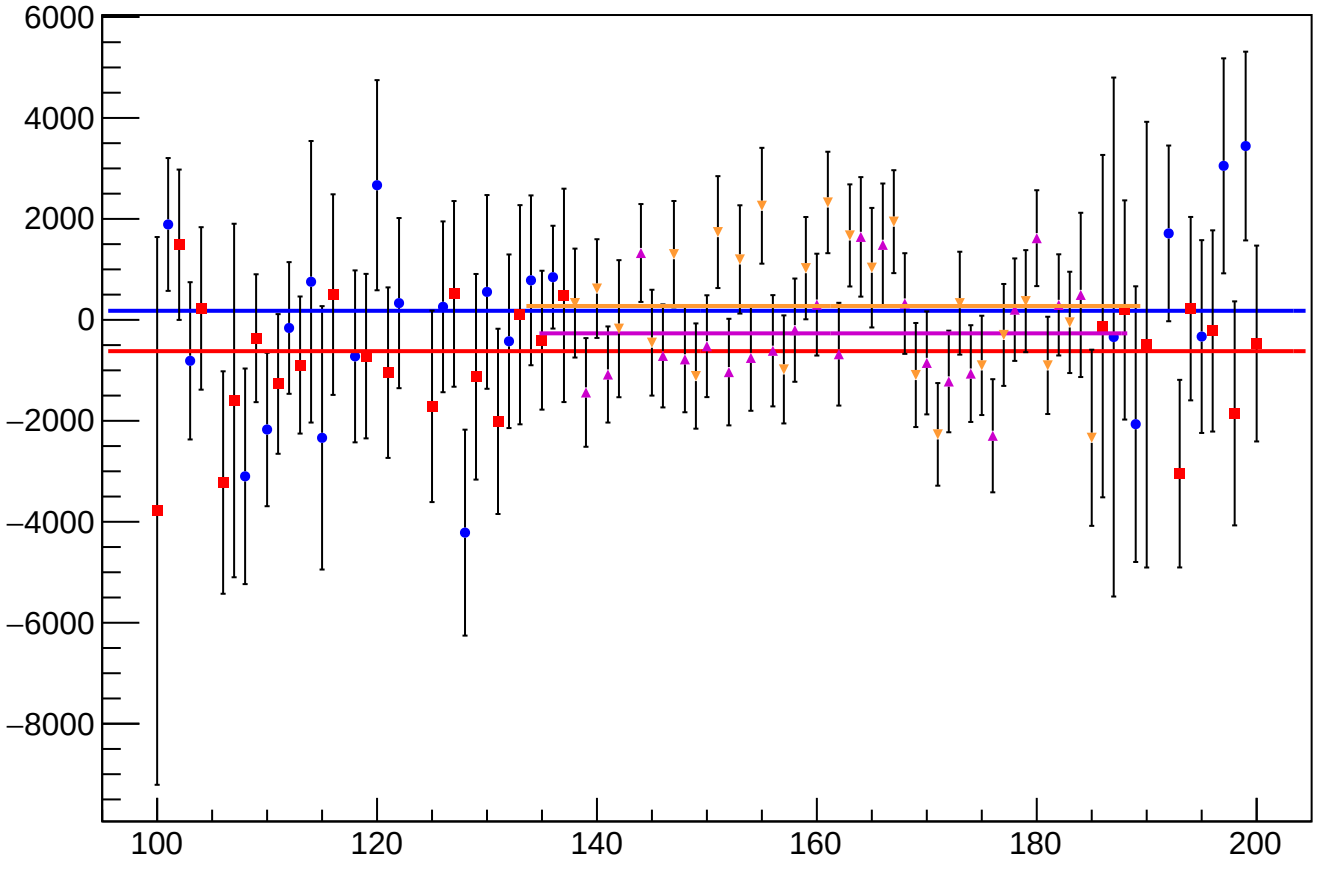
Right: 800.012+/-0.126 χ^2/NDF: 8822168.5/47

In: 559.588+/-0.077 χ^2/NDF:6107591.1/44

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

All: 561.471+/-0.054 χ^2/NDF: 14124114.8/94

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

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

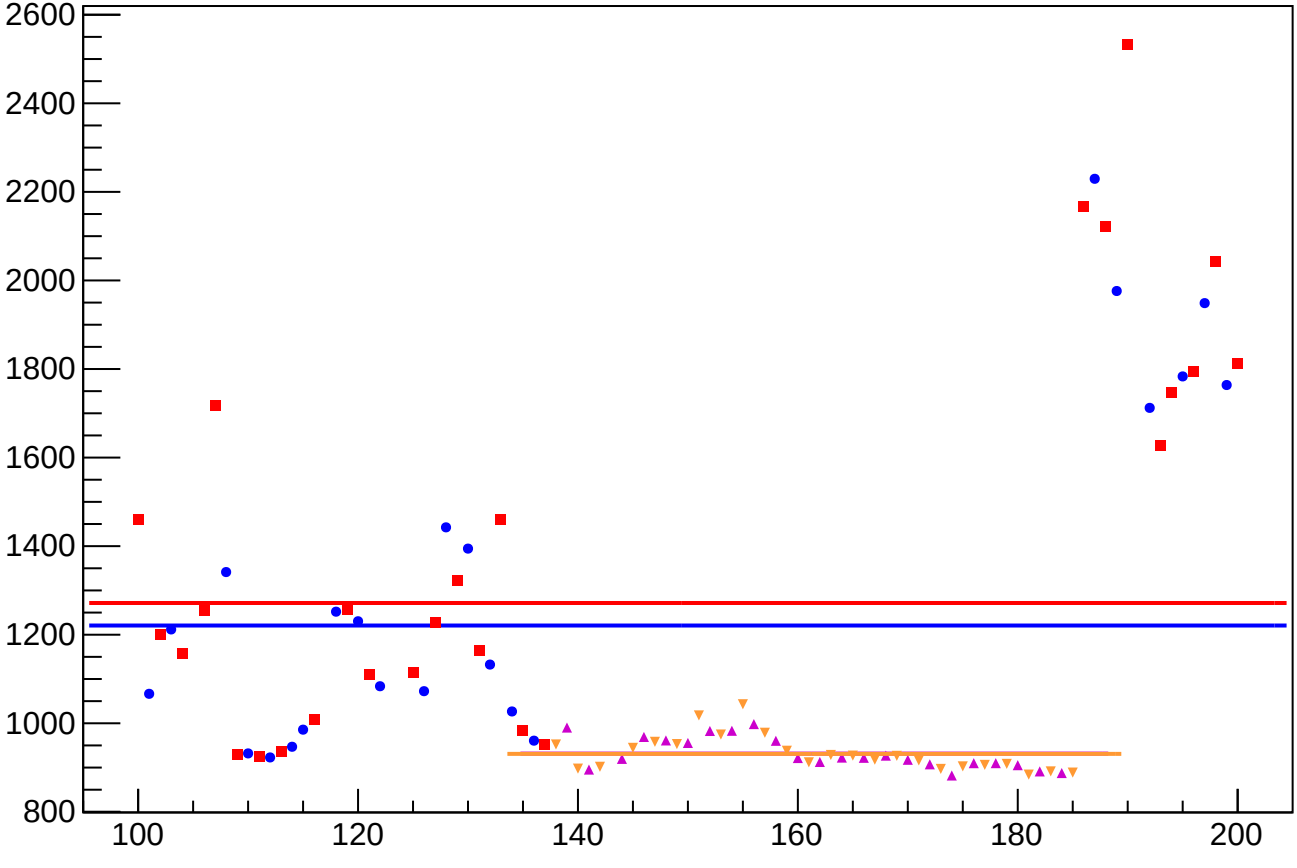
Right: -229.128+/-259.935 χ^2/NDF: 32.7/47

In: -153.022+/-187.859 χ^2/NDF:43.8/44

Out: 41.164+/-185.877 χ^2/NDF:47.1/49

All: -54.899+/-132.130 χ^2/NDF: 91.4/94

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

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

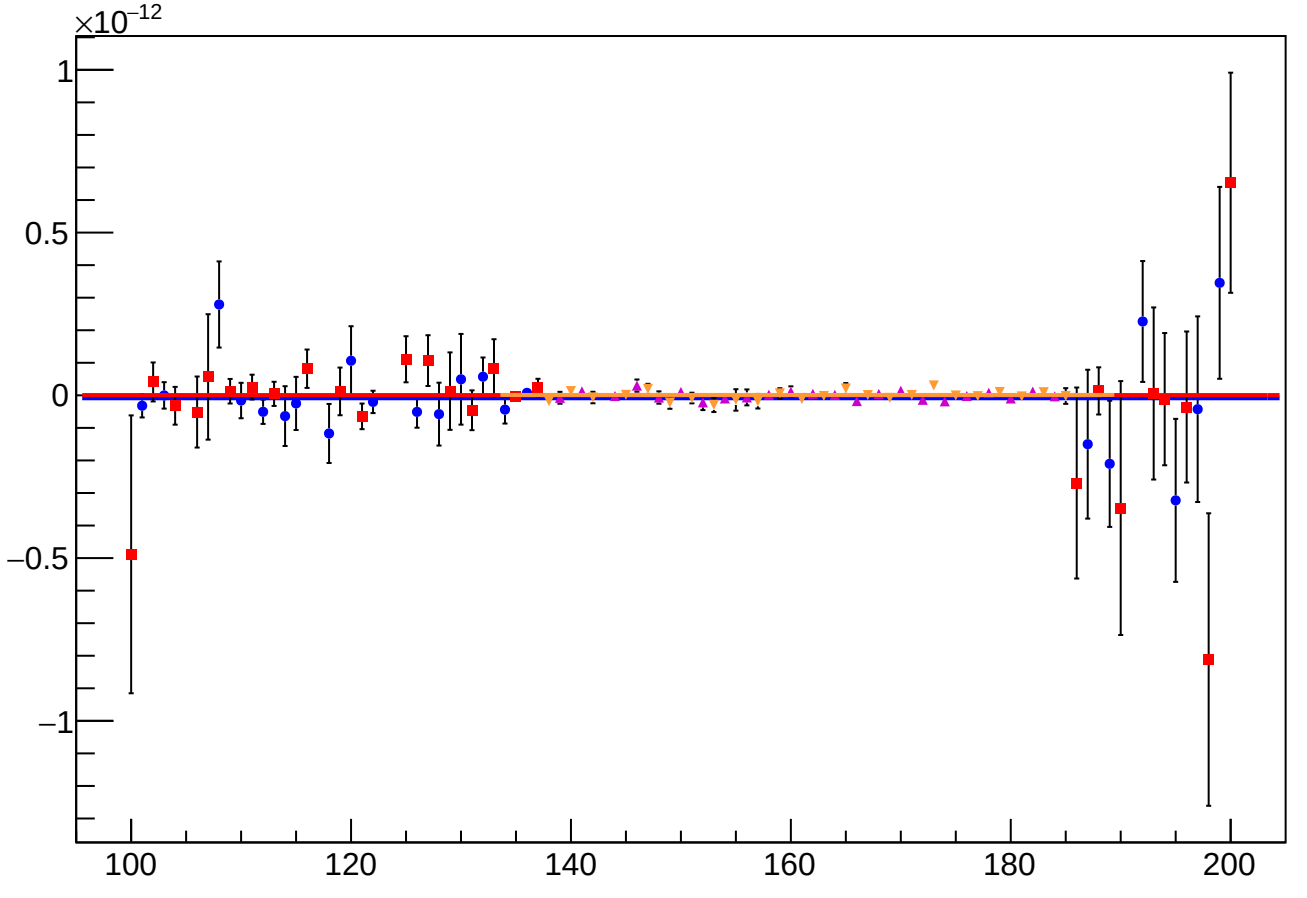
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1246.784+/-0.184 χ^2/NDF: 3485074.5/47

In: 1005.386+/-0.133 χ^2/NDF:2393257.6/44

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

All: 1012.773+/-0.093 χ^2/NDF: 5781677.5/94



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/21

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

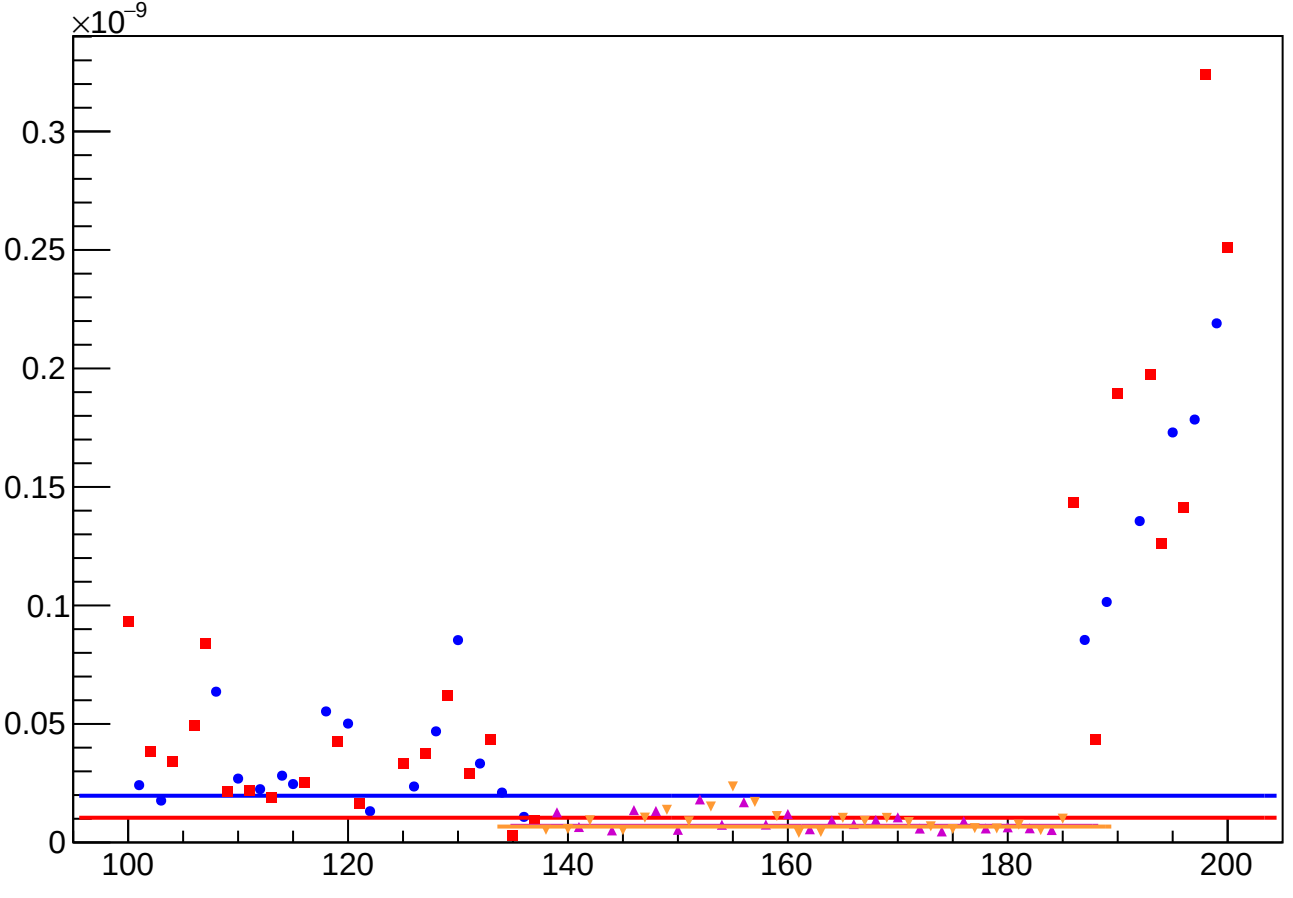
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 43.6/47

In: -0.000+/-0.000 χ^2/NDF:42.8/44

Out: 0.000+/-0.000 χ^2/NDF:48.7/49

All: 0.000+/-0.000 χ^2/NDF: 91.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 5864352.7/21

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

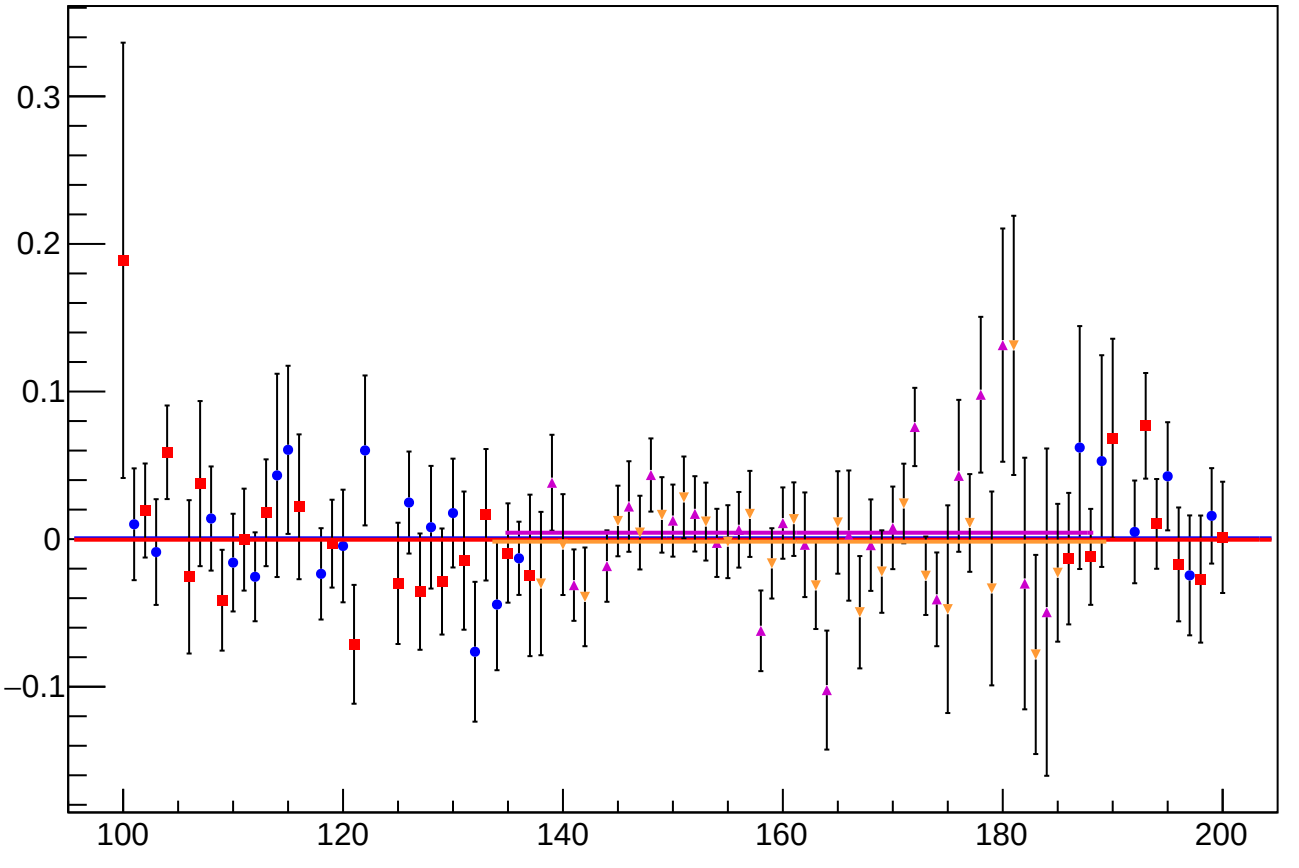
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 17672398.3/47

In: 0.000+/-0.000 χ^2/NDF:11258920.1/44

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

All: 0.000+/-0.000 χ^2/NDF: 25453951.4/94



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

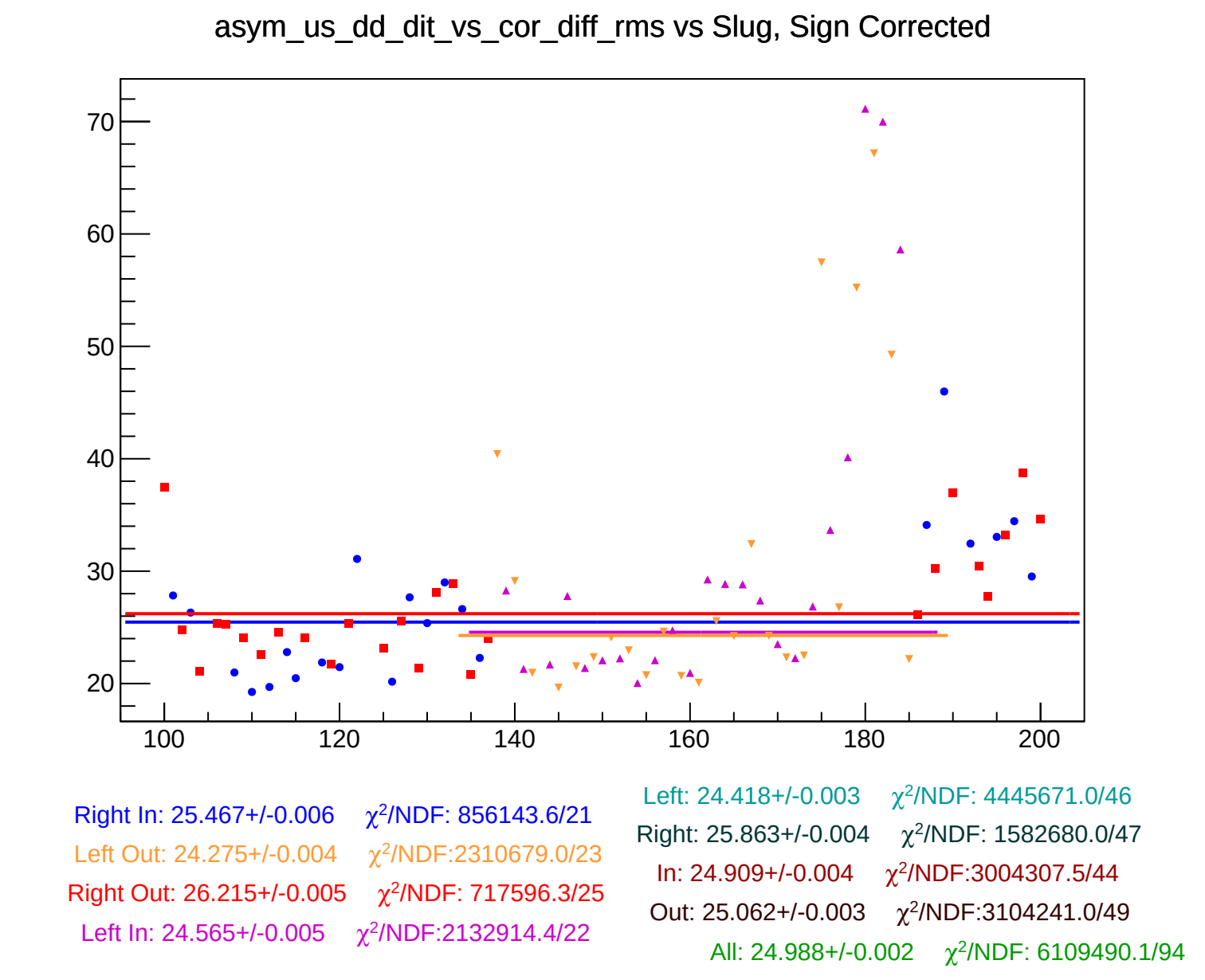
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/47

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.004 χ^2/NDF: 84.4/94


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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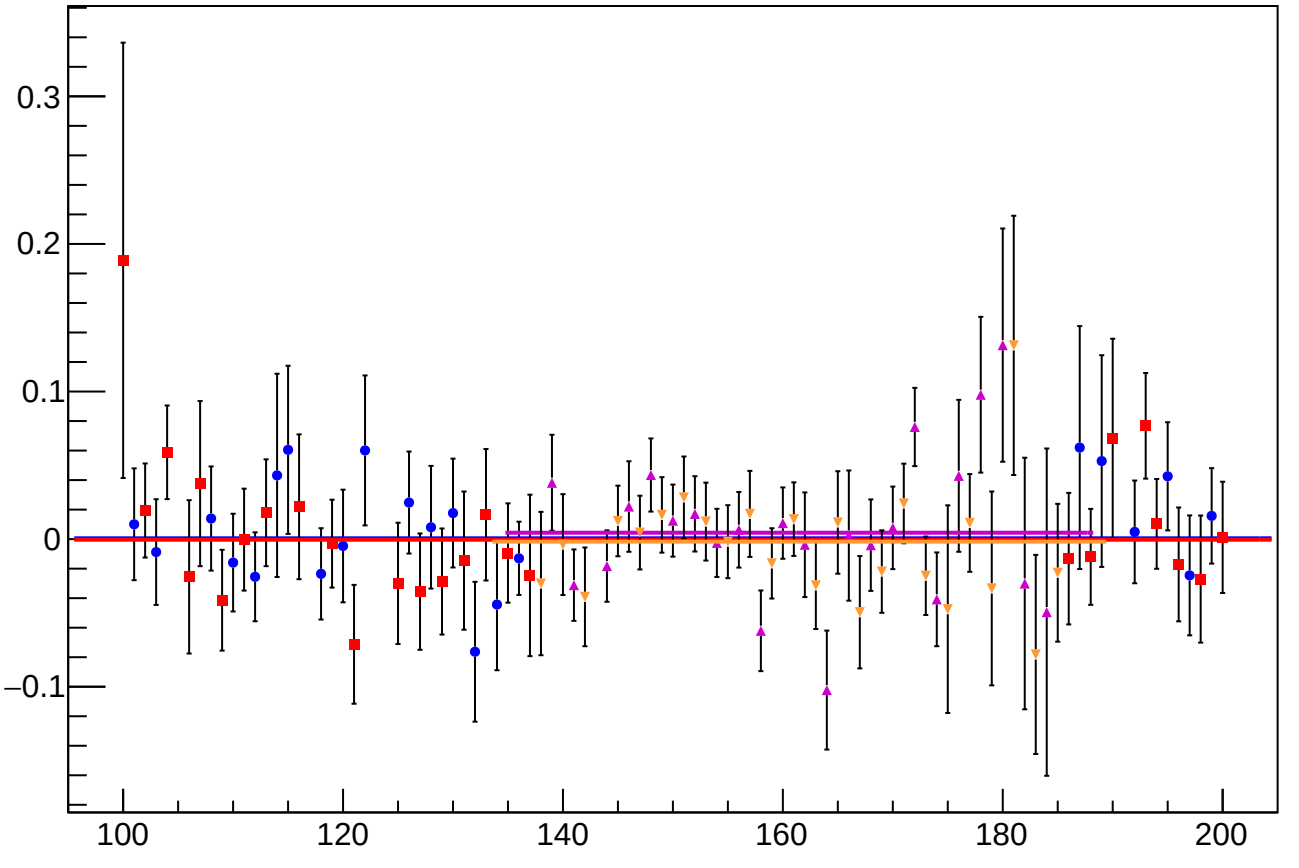
20
100
120
140
160
180
200
Right In: 25.467+/-0.006 χ²/NDF: 856143.6/21
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.215+/-0.005 χ²/NDF: 717596.3/25
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 25.863+/-0.004 χ²/NDF: 1582680.0/47
In: 24.909+/-0.004 χ²/NDF:3004307.5/44
Out: 25.062+/-0.003 χ²/NDF:3104241.0/49
All: 24.988+/-0.002 χ²/NDF: 6109490.1/94



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

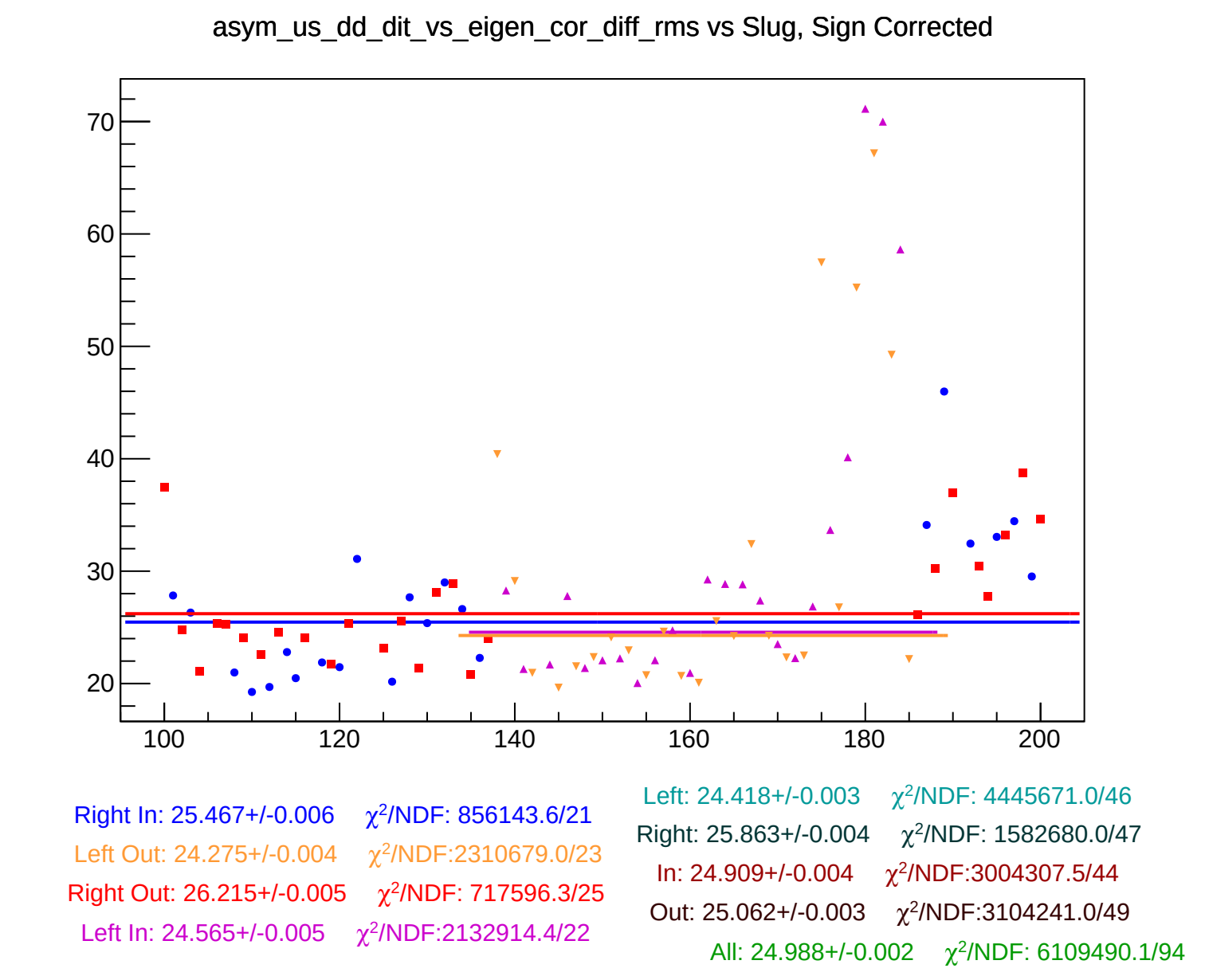
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/47

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.004 χ^2/NDF: 84.4/94


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
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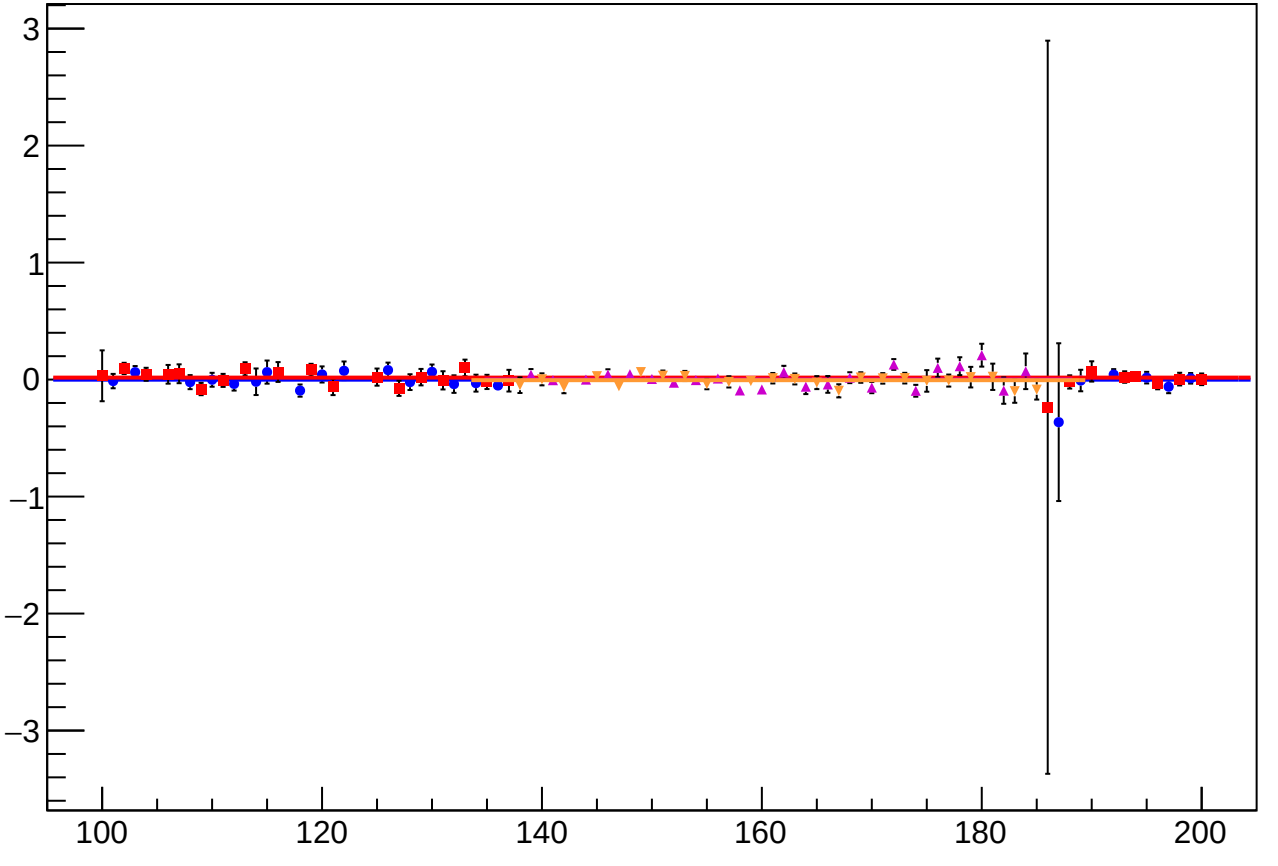
100
120
140
160
180
200
Right In: 25.467+/-0.006 χ²/NDF: 856143.6/21
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.215+/-0.005 χ²/NDF: 717596.3/25
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 25.863+/-0.004 χ²/NDF: 1582680.0/47
In: 24.909+/-0.004 χ²/NDF:3004307.5/44
Out: 25.062+/-0.003 χ²/NDF:3104241.0/49
All: 24.988+/-0.002 χ²/NDF: 6109490.1/94

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

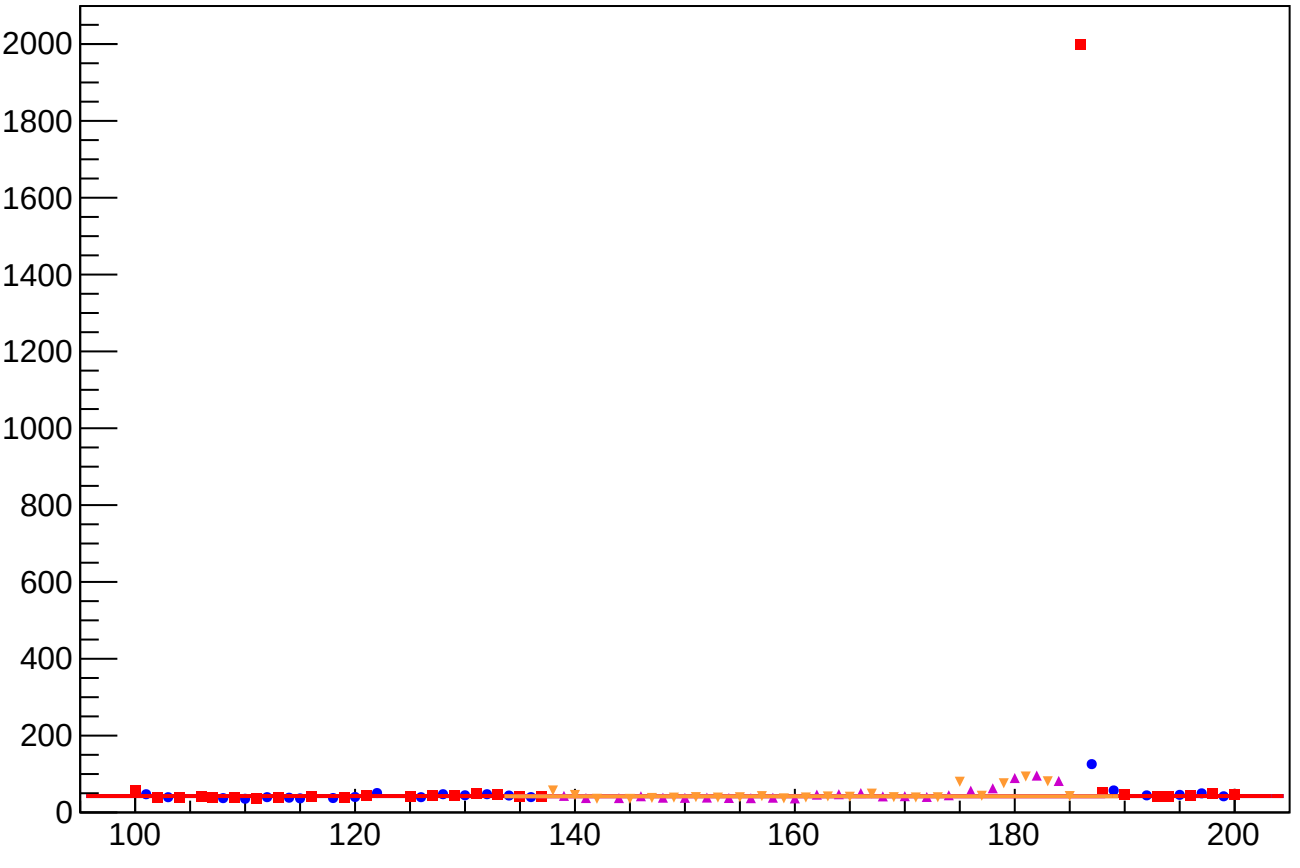
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.009 χ^2/NDF: 32.7/47

In: -0.000+/-0.008 χ^2/NDF:52.2/44

Out: 0.004+/-0.008 χ^2/NDF:33.2/49

All: 0.002+/-0.006 χ^2/NDF: 85.5/94



Right In: 42.709+/-0.009 χ^2/NDF: 276437.7/21

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

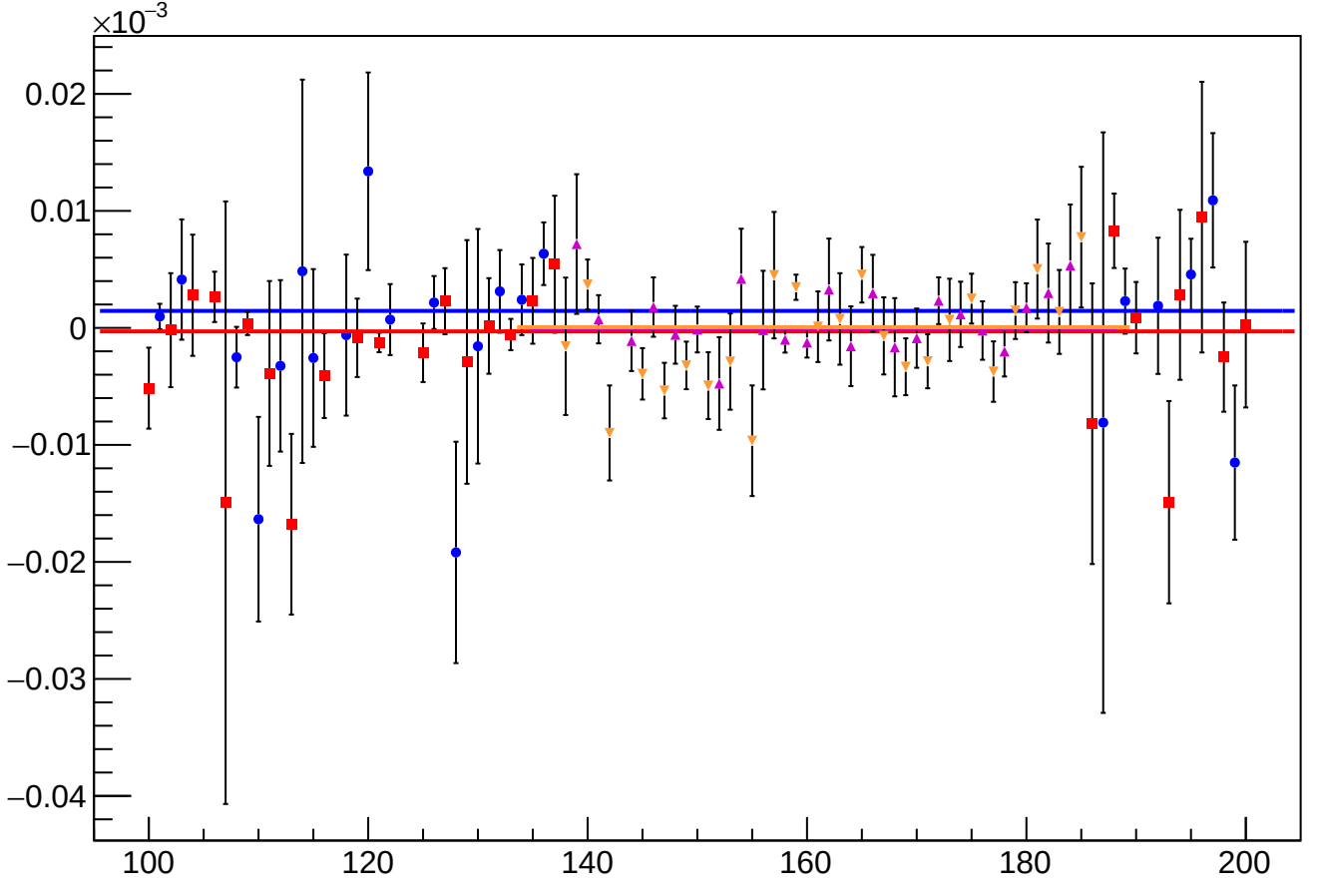
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.703+/-0.006 χ^2/NDF: 1279142.6/47

In: 42.322+/-0.006 χ^2/NDF:1822799.9/44

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

All: 42.333+/-0.004 χ^2/NDF: 4544437.0/94



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/21

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

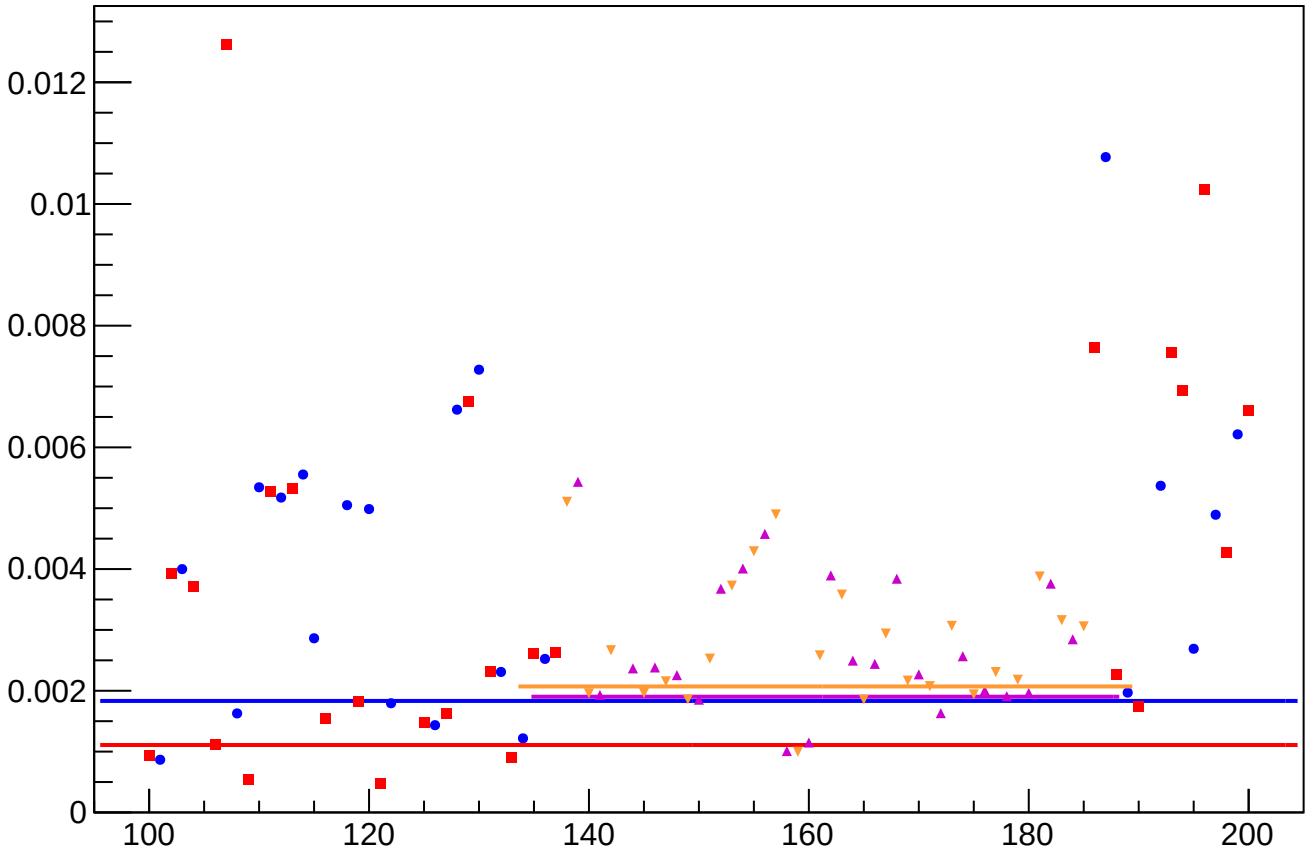
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 57.6/47

In: 0.000+/-0.000 χ^2/NDF:42.4/44

Out: -0.000+/-0.000 χ^2/NDF:78.9/49

All: 0.000+/-0.000 χ^2/NDF: 122.6/94



Right In: 0.002+/-0.000 χ^2/NDF: 7574696.8/21

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

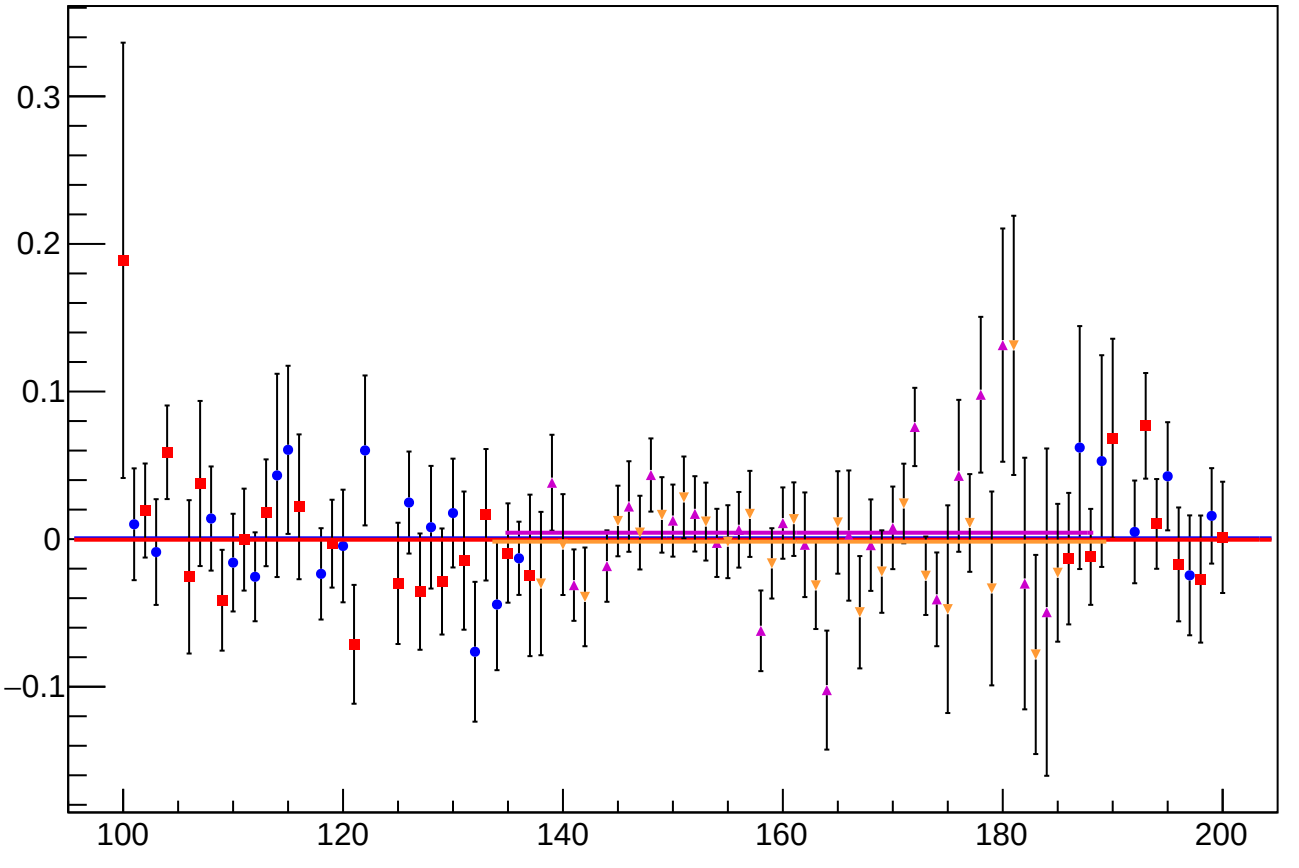
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 21837540.4/47

In: 0.002+/-0.000 χ^2/NDF:13524085.4/44

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

All: 0.002+/-0.000 χ^2/NDF: 36012875.7/94



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

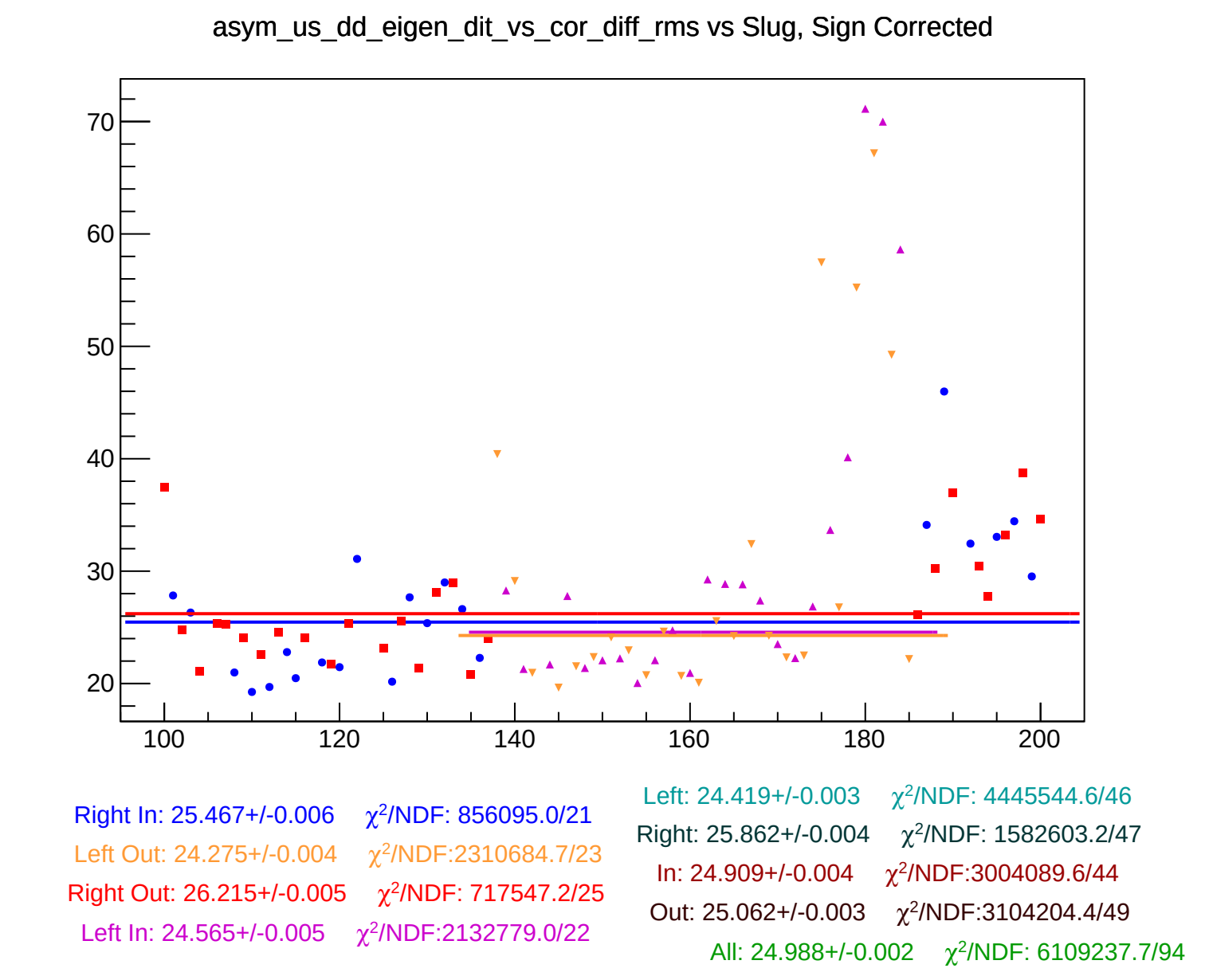
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/47

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.004 χ^2/NDF: 84.4/94


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
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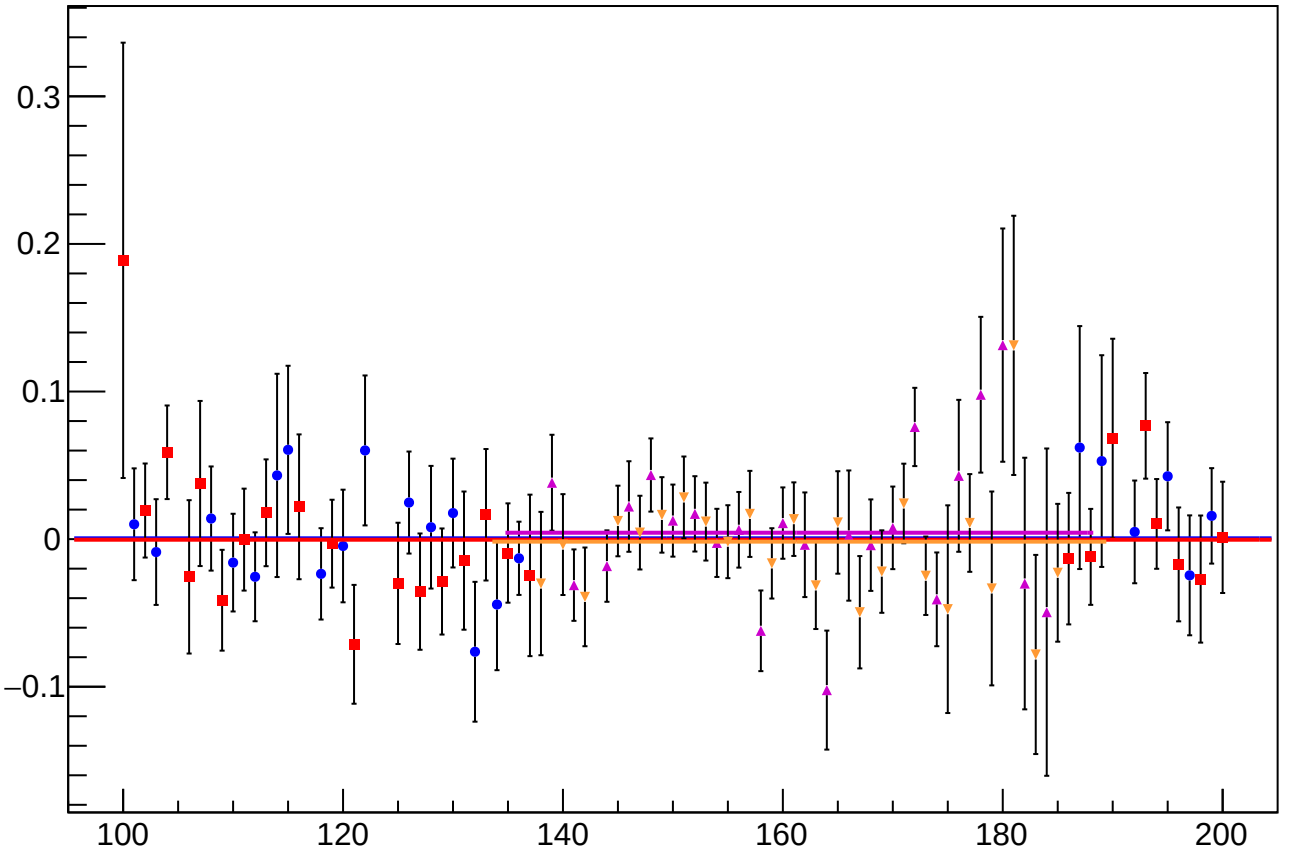
200
Right In: 25.467+/-0.006 χ²/NDF: 856095.0/21
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 26.215+/-0.005 χ²/NDF: 717547.2/25
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 25.862+/-0.004 χ²/NDF: 1582603.2/47
In: 24.909+/-0.004 χ²/NDF:3004089.6/44
Out: 25.062+/-0.003 χ²/NDF:3104204.4/49
All: 24.988+/-0.002 χ²/NDF: 6109237.7/94



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

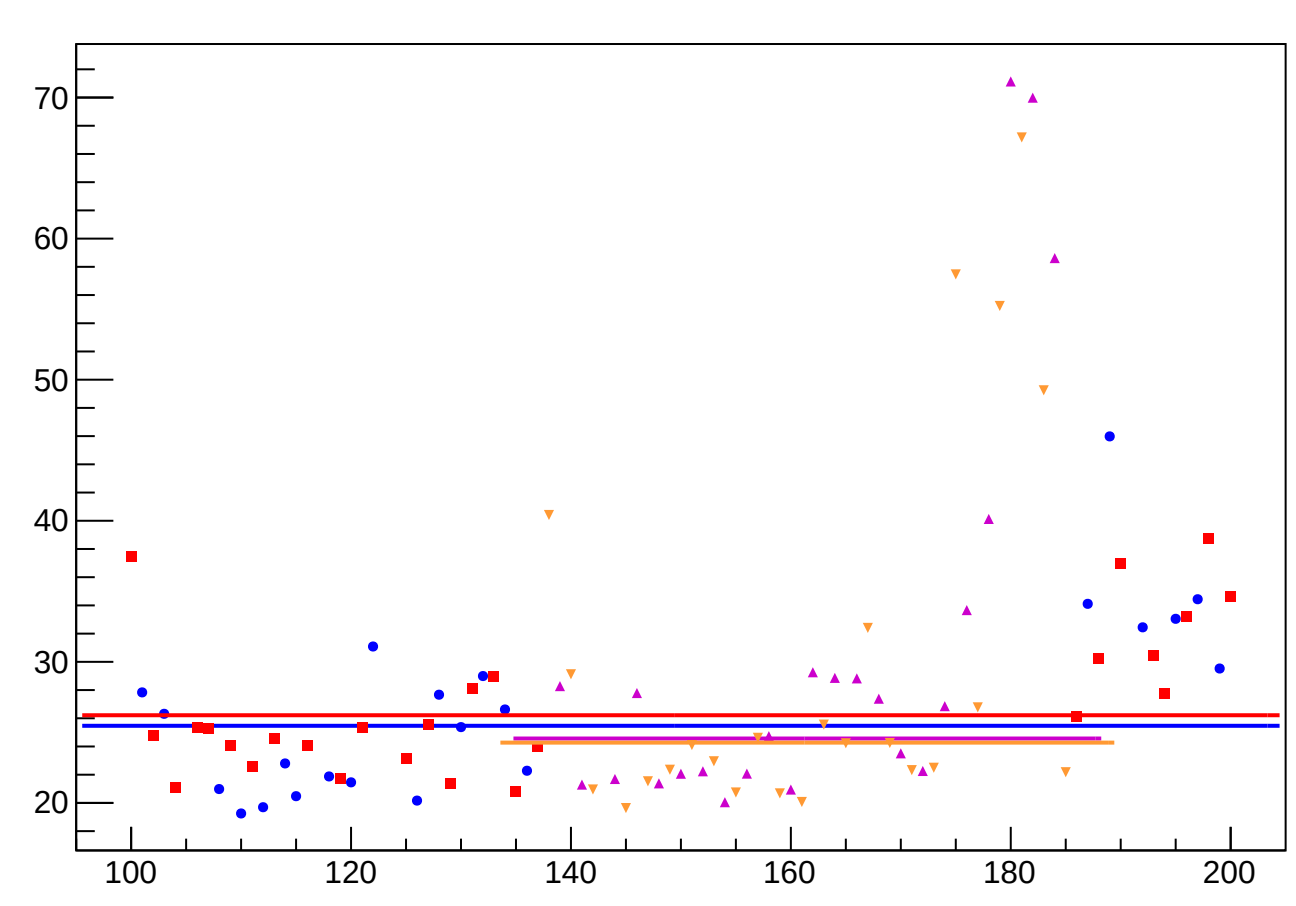
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/47

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/49

All: 0.001+/-0.004 χ^2/NDF: 84.4/94



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

Right Out: 26.215+/-0.005 χ^2/NDF: 717547.2/25

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

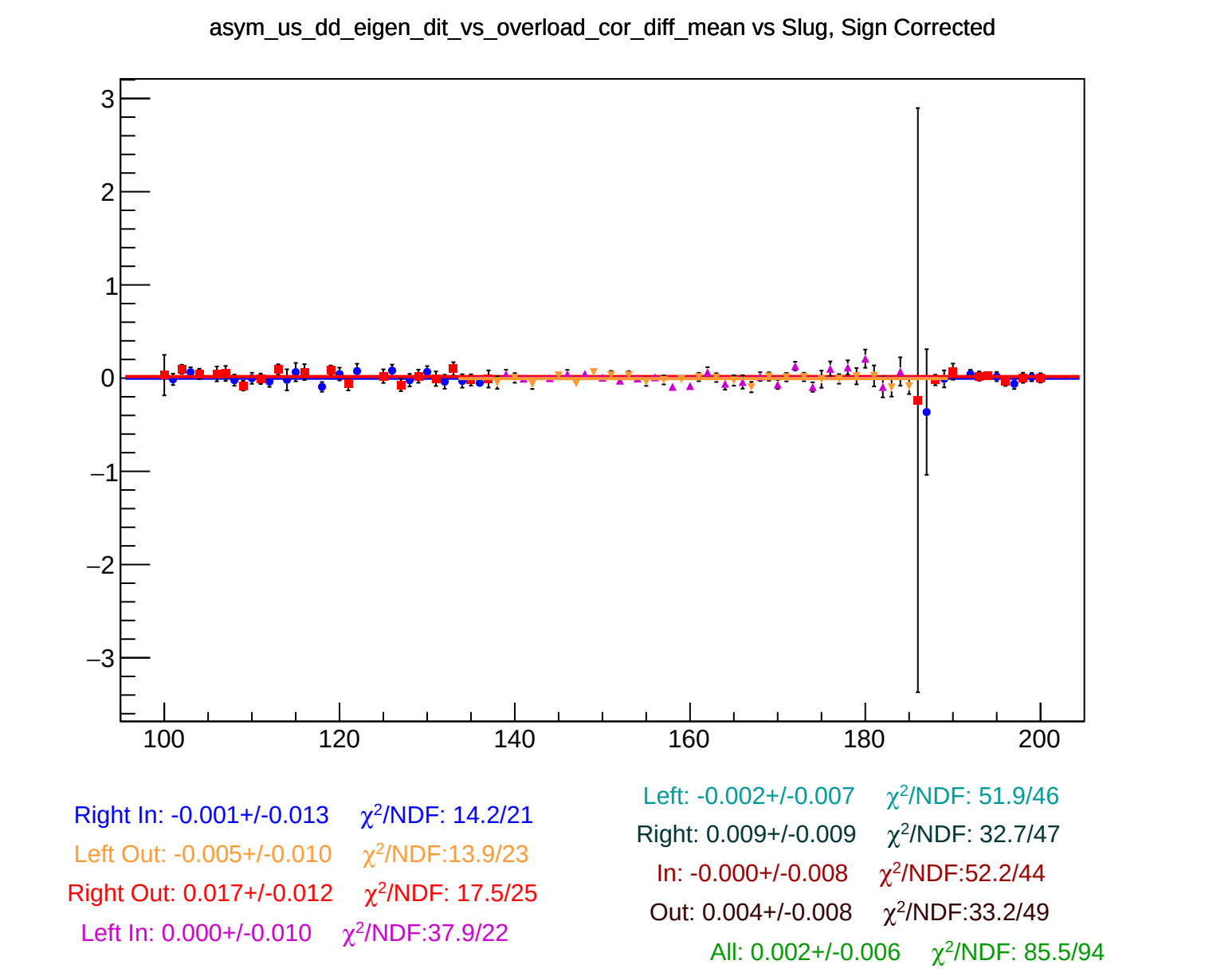
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 25.862+/-0.004 χ^2/NDF: 1582603.2/47

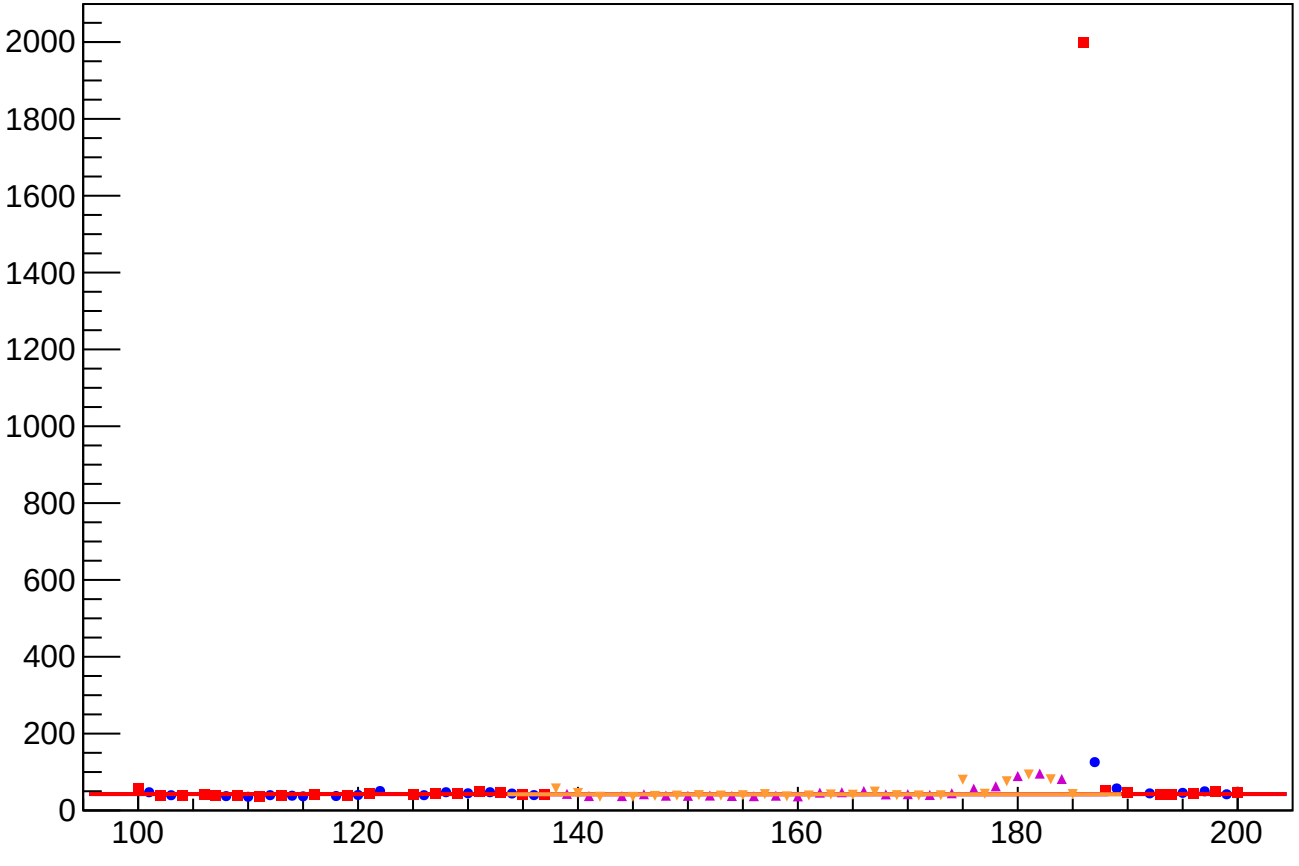
In: 24.909+/-0.004 χ^2/NDF:3004089.6/44

Out: 25.062+/-0.003 χ^2/NDF:3104204.4/49

All: 24.988+/-0.002 χ^2/NDF: 6109237.7/94


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.001+/-0.013 χ²/NDF: 14.2/21
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: 0.017+/-0.012 χ²/NDF: 17.5/25
Left In: 0.000+/-0.010 χ²/NDF:37.9/22
Left: -0.002+/-0.007 χ²/NDF: 51.9/46
Right: 0.009+/-0.009 χ²/NDF: 32.7/47
In: -0.000+/-0.008 χ²/NDF:52.2/44
Out: 0.004+/-0.008 χ²/NDF:33.2/49
All: 0.002+/-0.006 χ²/NDF: 85.5/94

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.709+/-0.009 χ^2/NDF: 276400.7/21

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

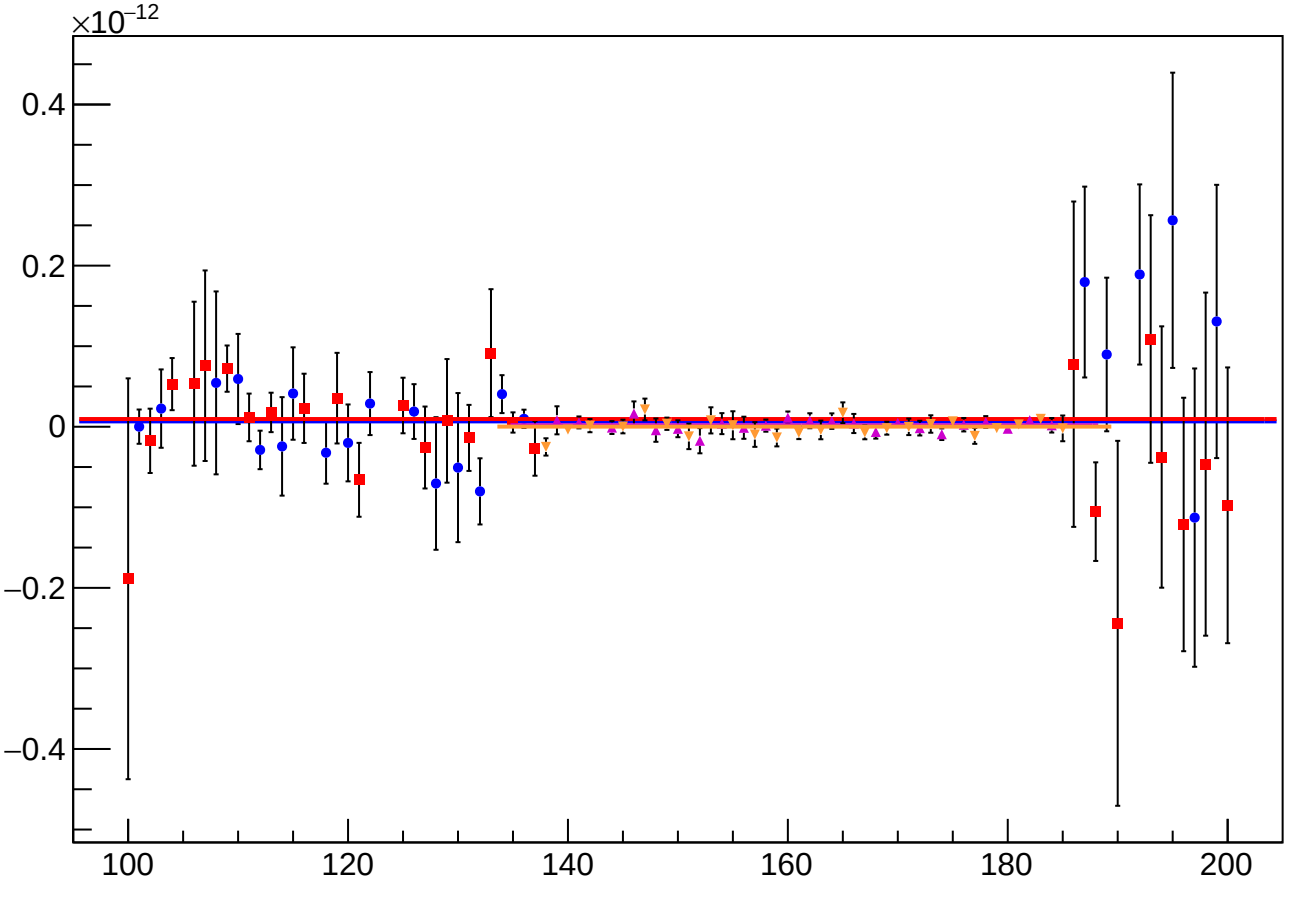
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.703+/-0.006 χ^2/NDF: 1279103.9/47

In: 42.322+/-0.006 χ^2/NDF:1822734.6/44

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

All: 42.333+/-0.004 χ^2/NDF: 4544360.0/94



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/21

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

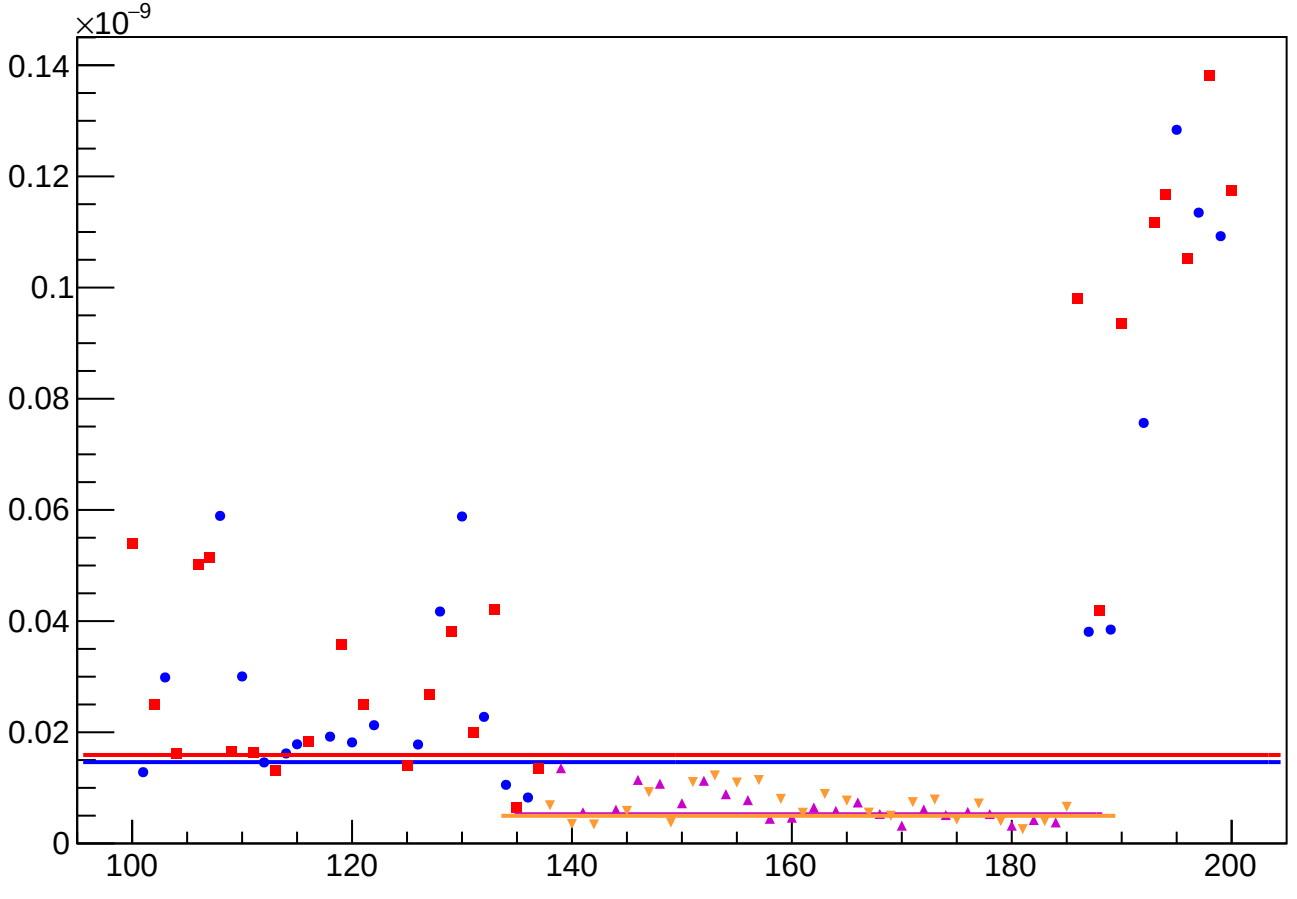
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 43.4/47

In: 0.000+/-0.000 χ^2/NDF:34.3/44

Out: 0.000+/-0.000 χ^2/NDF:43.8/49

All: 0.000+/-0.000 χ^2/NDF: 78.5/94



Right In: 0.000+/-0.000 χ^2/NDF: 4988709.8/21

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

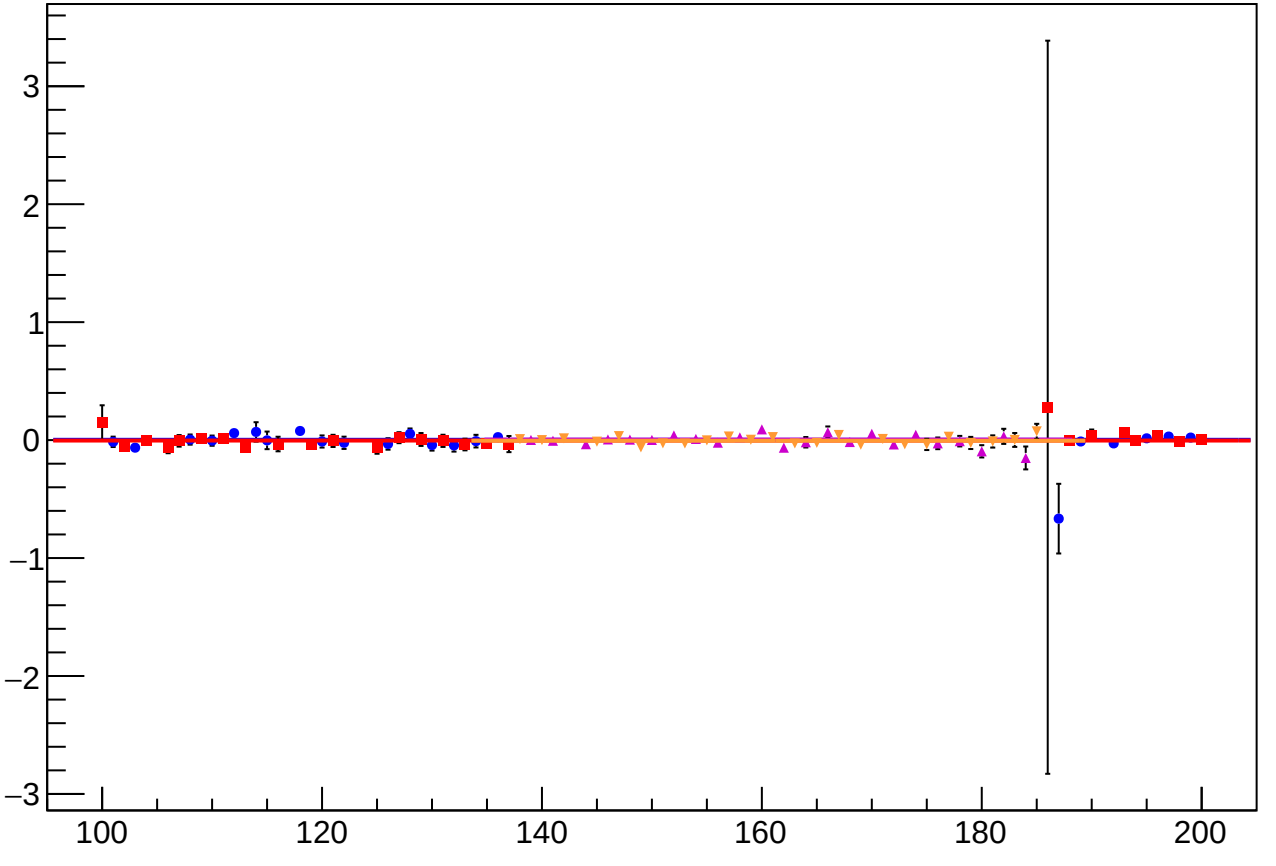
Right: 0.000+/-0.000 χ^2/NDF: 12070905.6/47

In: 0.000+/-0.000 χ^2/NDF:10727921.4/44

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

All: 0.000+/-0.000 χ^2/NDF: 25229239.1/94

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

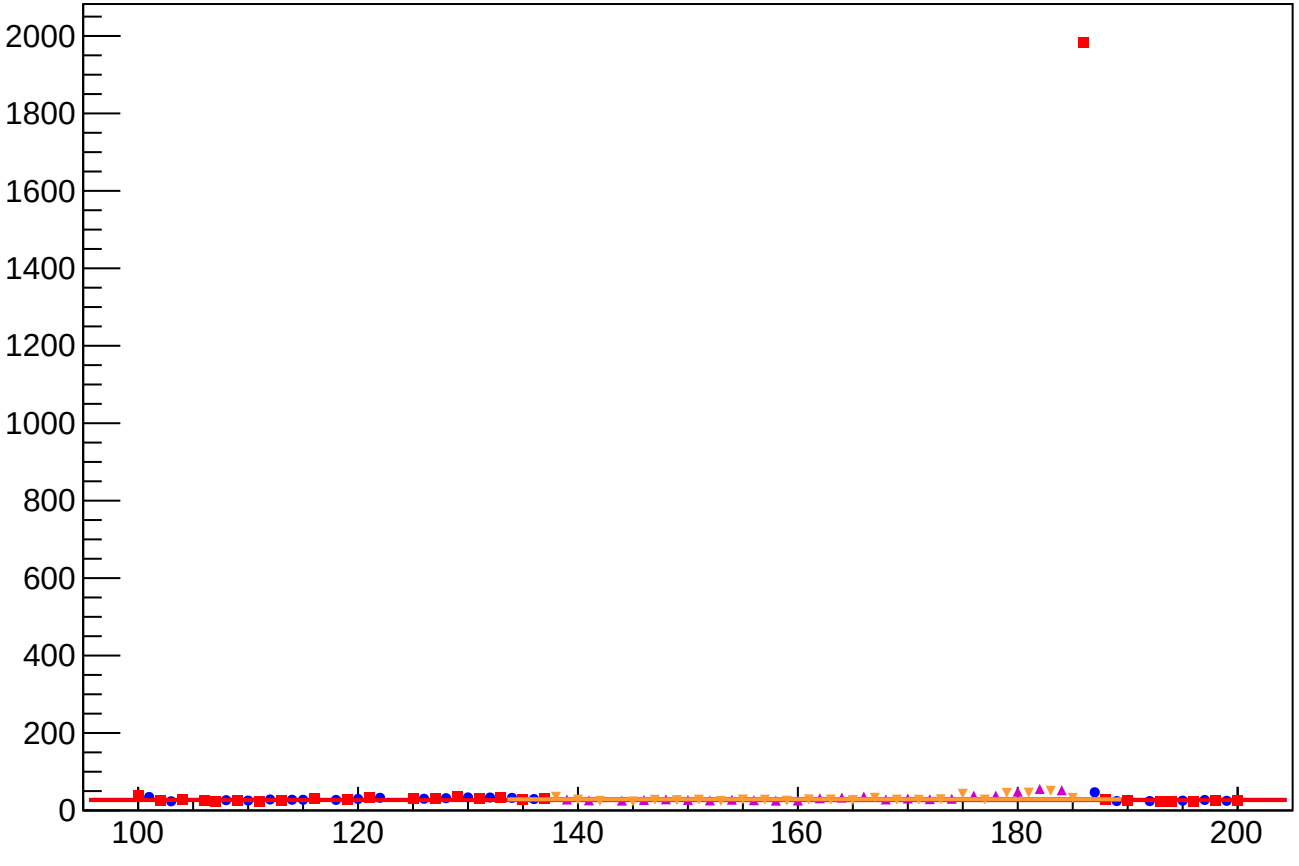
Right: -0.001+/-0.006 χ^2/NDF: 44.9/47

In: 0.003+/-0.005 χ^2/NDF:54.7/44

Out: -0.005+/-0.005 χ^2/NDF:37.9/49

All: -0.001+/-0.004 χ^2/NDF: 93.8/94

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

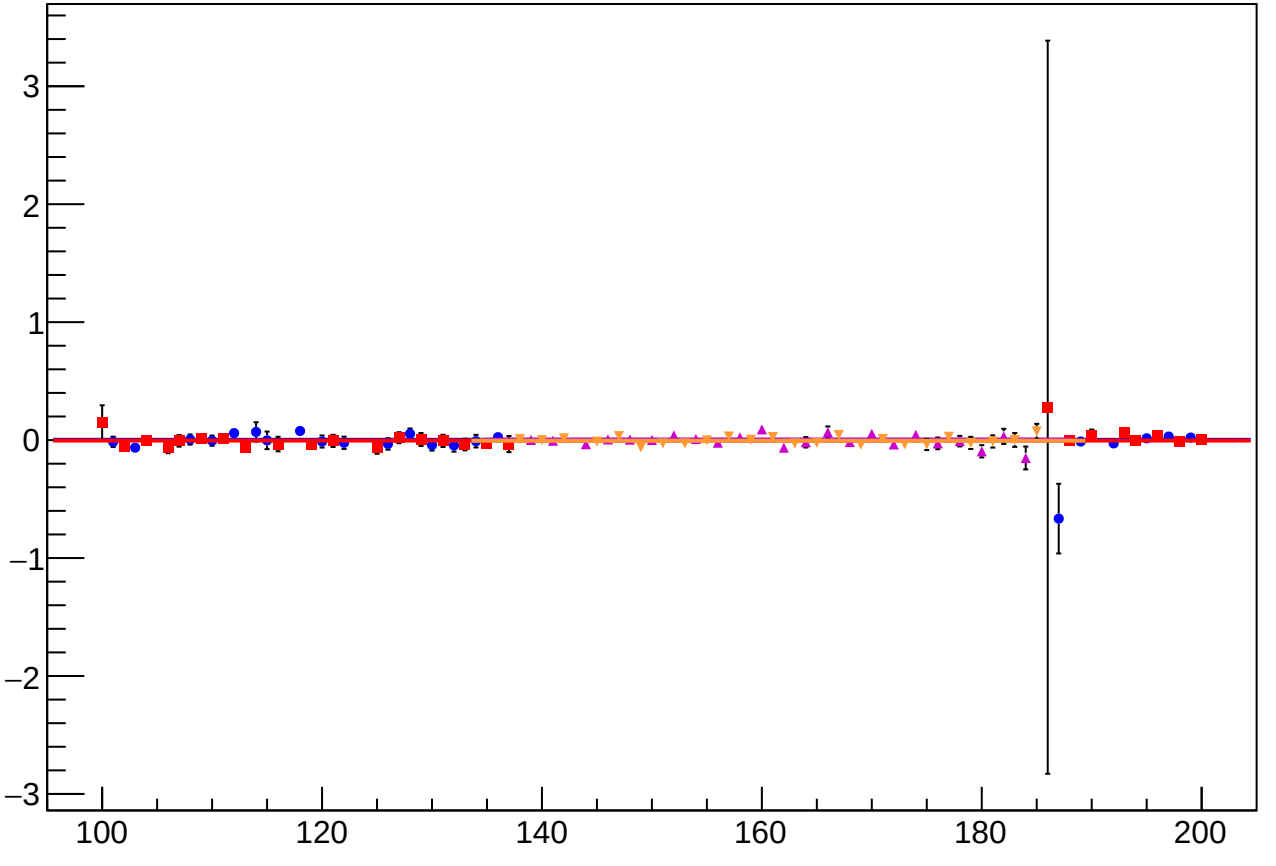
Right: 27.059+/-0.004 χ^2/NDF: 1394509.2/47

In: 28.511+/-0.004 χ^2/NDF:1497152.7/44

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

All: 28.166+/-0.003 χ^2/NDF: 3840680.4/94

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

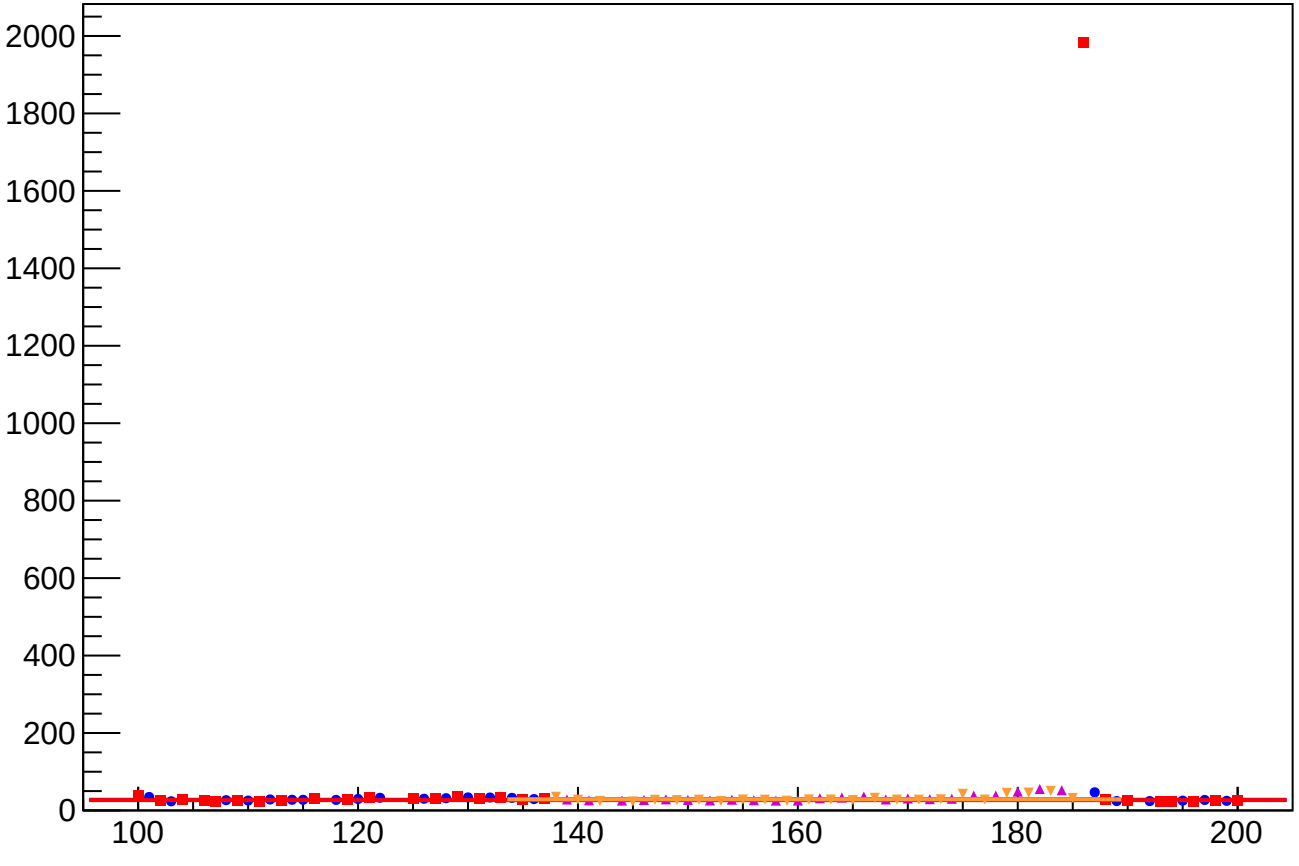
Right: -0.001+/-0.006 χ^2/NDF: 44.9/47

In: 0.003+/-0.005 χ^2/NDF:54.7/44

Out: -0.005+/-0.005 χ^2/NDF:37.9/49

All: -0.001+/-0.004 χ^2/NDF: 93.8/94

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

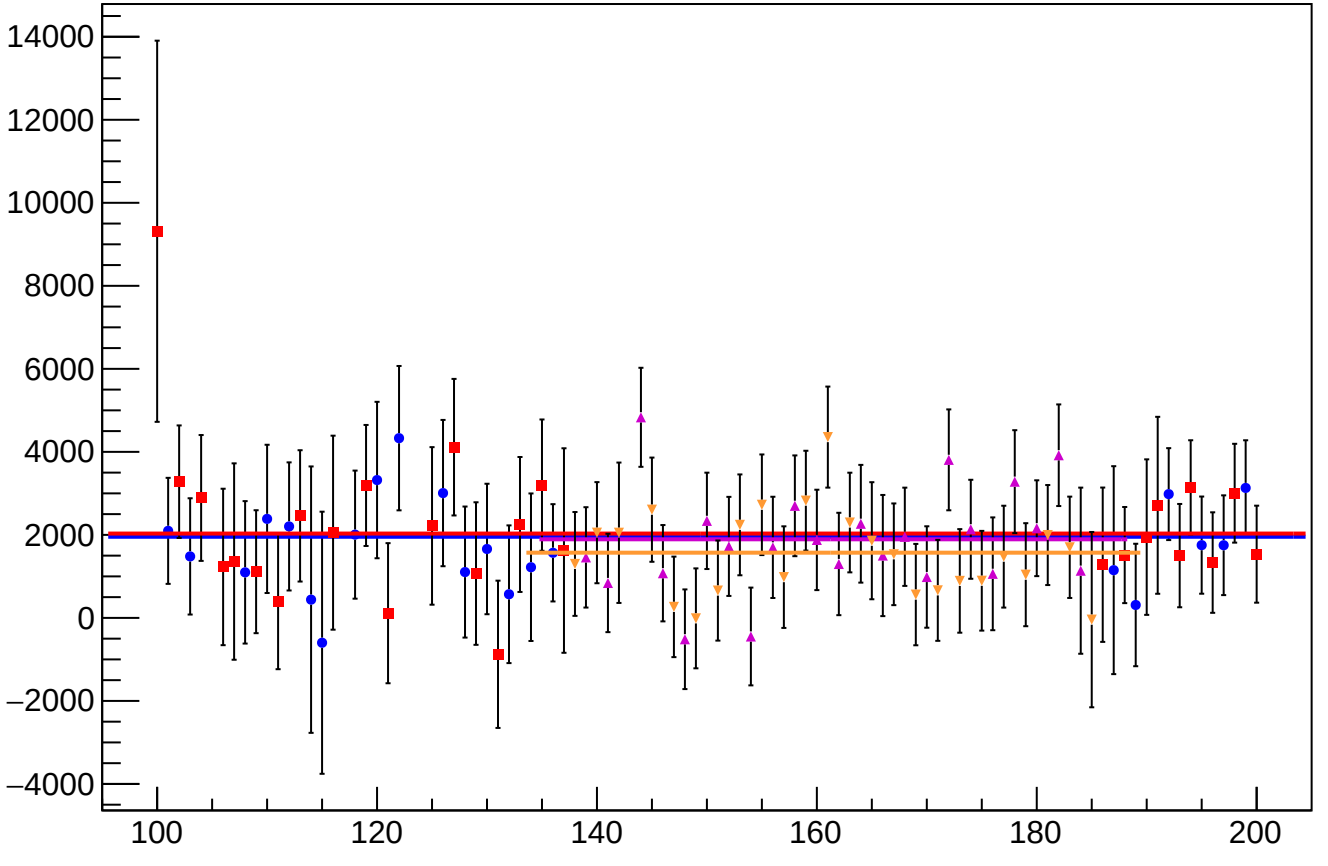
Right: 27.059+/-0.004 χ^2/NDF: 1394509.2/47

In: 28.511+/-0.004 χ^2/NDF:1497152.7/44

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

All: 28.166+/-0.003 χ^2/NDF: 3840680.4/94

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

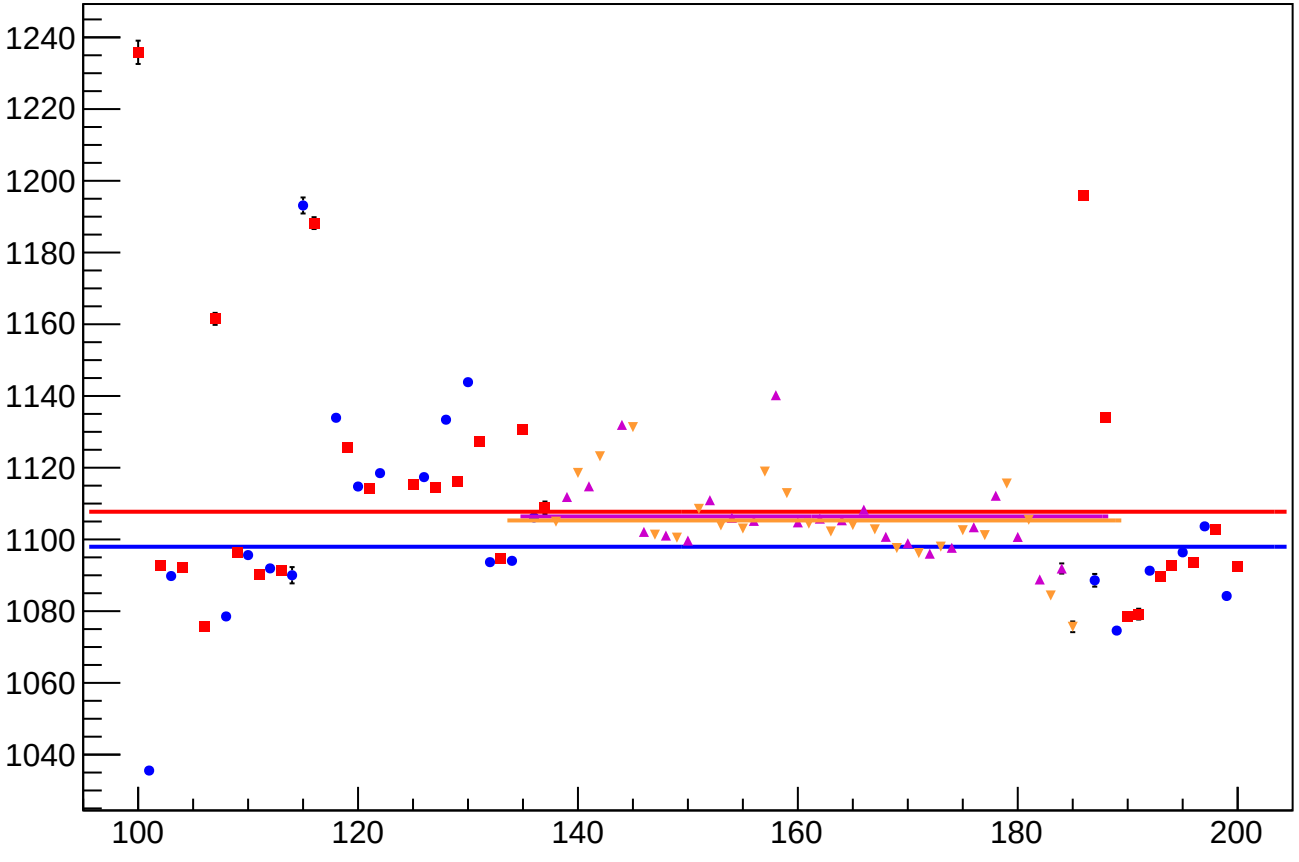
Right: 1996.114+/-220.164 χ^2/NDF: 24.1/48

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

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

All: 1838.689+/-140.291 χ^2/NDF: 65.2/95

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

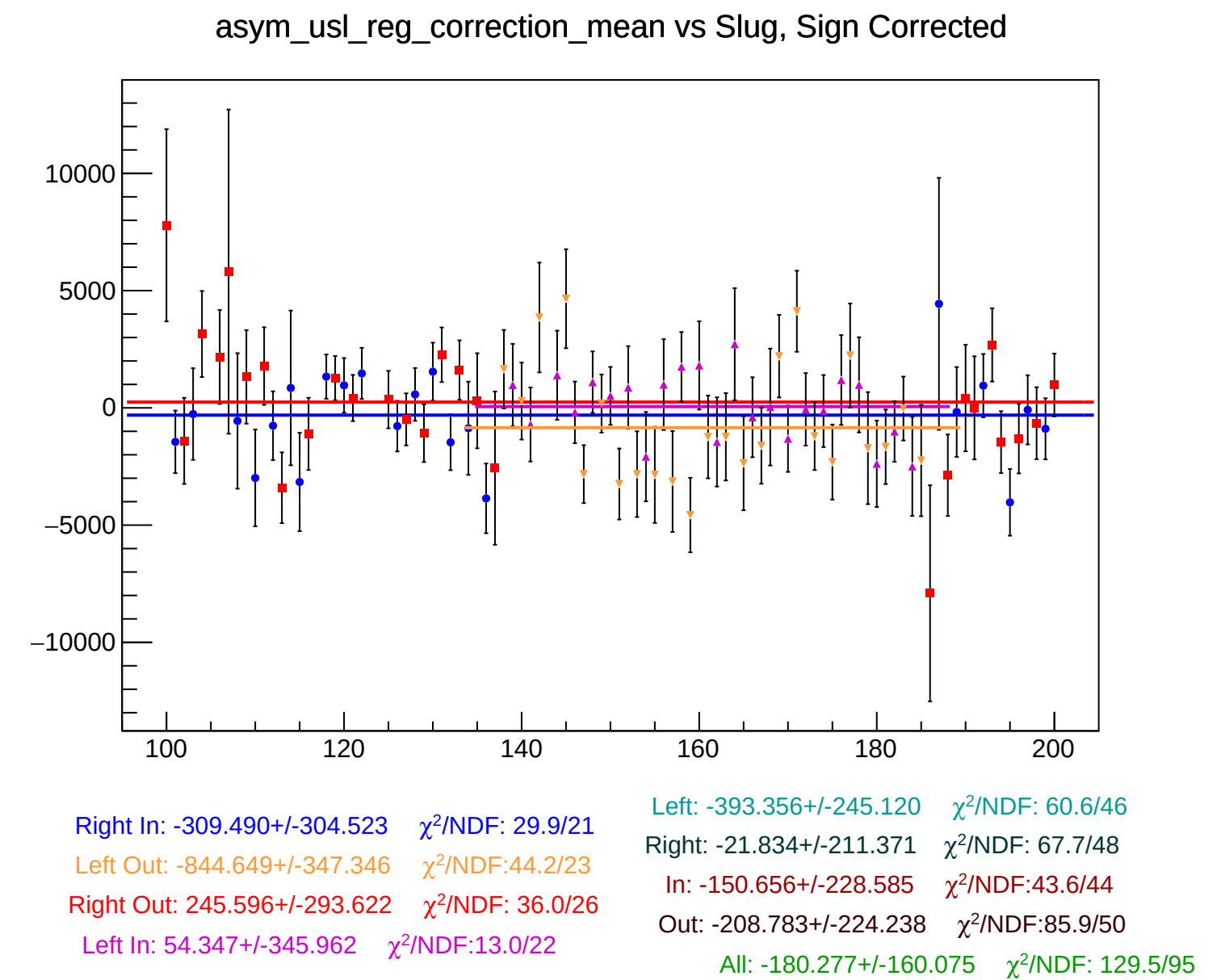
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.191+/-0.156 χ^2/NDF: 29083.9/48

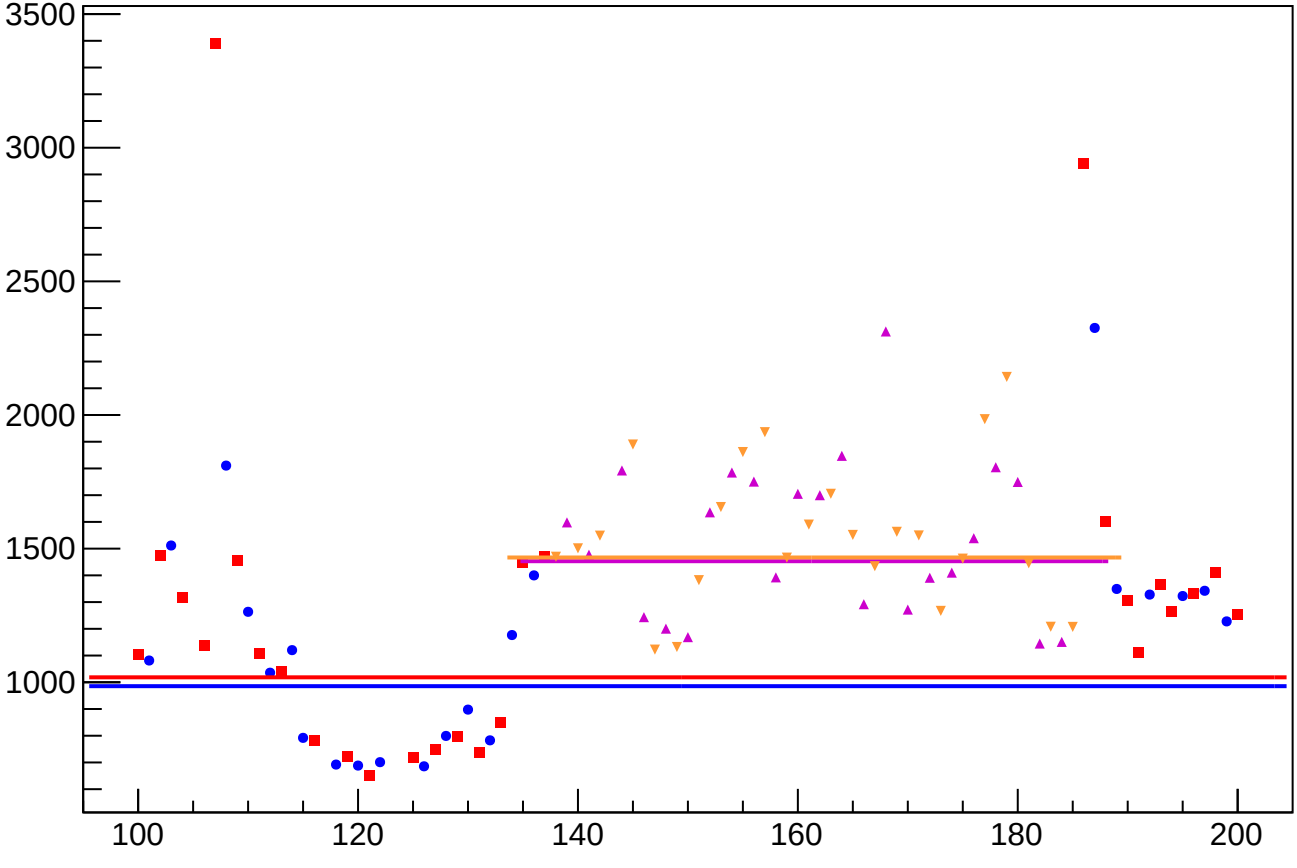
In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

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

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95


asym_usl_reg_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -309.490+/-304.523 χ²/NDF: 29.9/21
Left Out: -844.649+/-347.346 χ²/NDF:44.2/23
Right Out: 245.596+/-293.622 χ²/NDF: 36.0/26
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: -21.834+/-211.371 χ²/NDF: 67.7/48
In: -150.656+/-228.585 χ²/NDF:43.6/44
Out: -208.783+/-224.238 χ²/NDF:85.9/50
All: -180.277+/-160.075 χ²/NDF: 129.5/95

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

Right Out: 1018.515+/-0.208 χ^2/NDF: 2685377.0/26

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

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

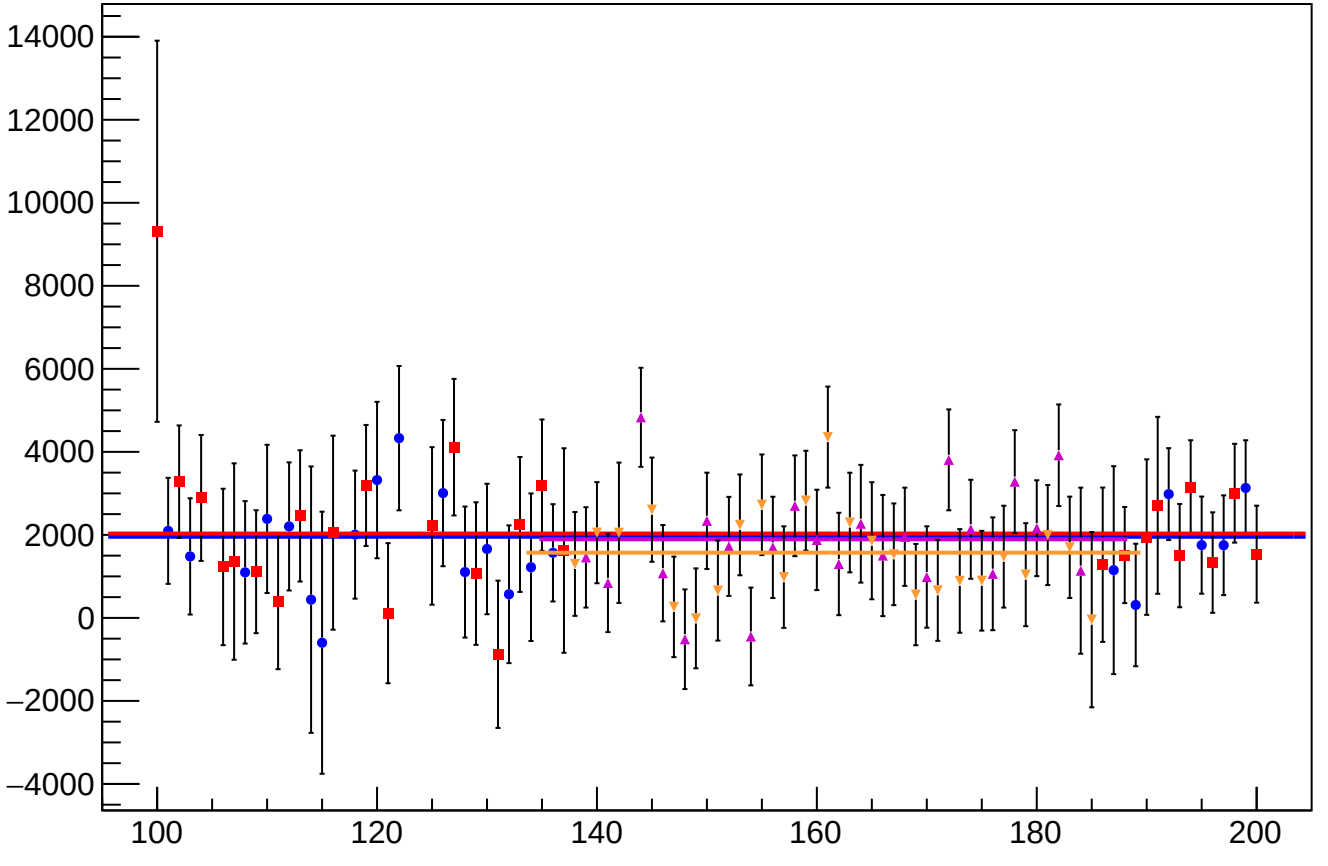
Right: 1002.573+/-0.149 χ^2/NDF: 4611340.2/48

In: 1189.539+/-0.162 χ^2/NDF:5101527.6/44

Out: 1205.365+/-0.159 χ^2/NDF:5672000.3/50

All: 1197.604+/-0.113 χ^2/NDF: 10778412.9/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

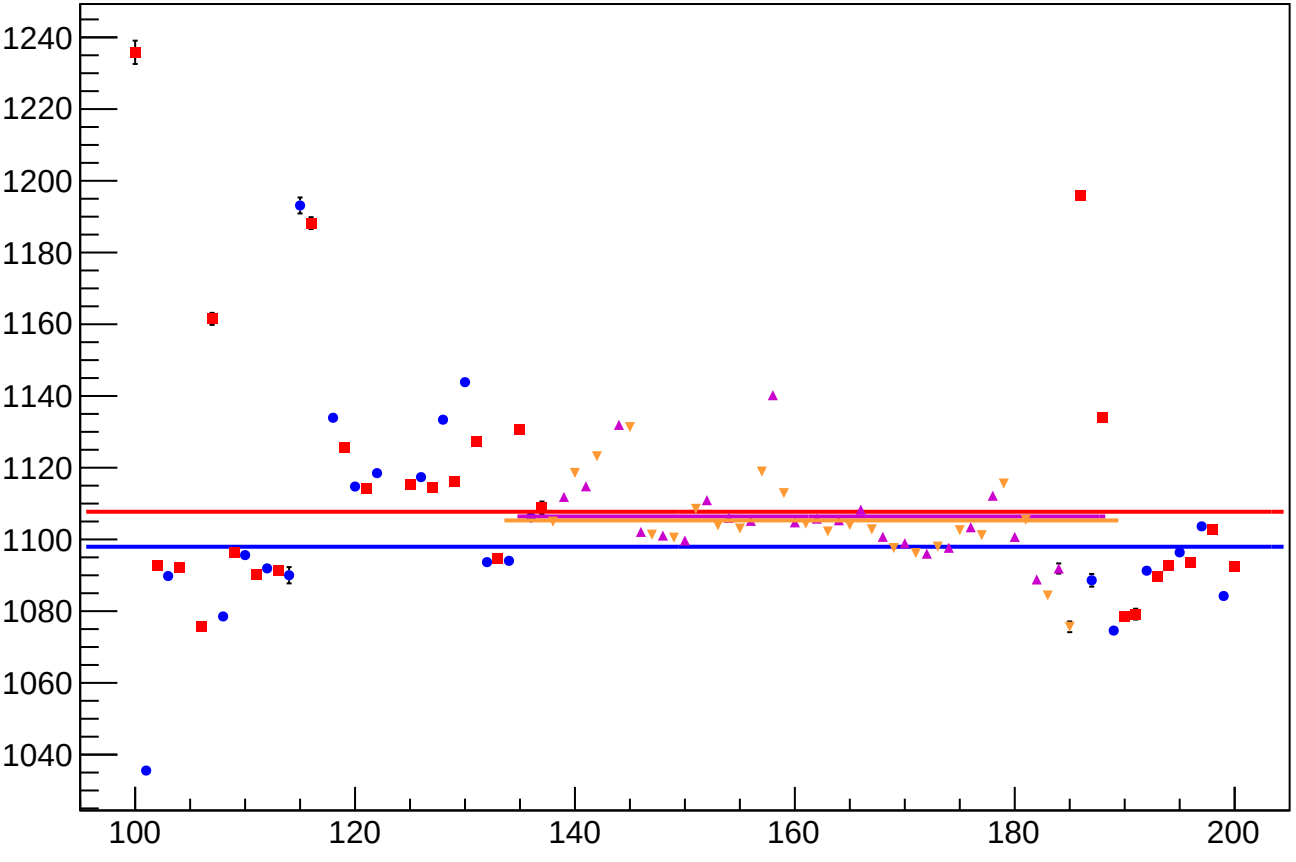
Right: 1996.109+/-220.164 χ^2/NDF: 24.1/48

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

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

All: 1838.687+/-140.291 χ^2/NDF: 65.2/95

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

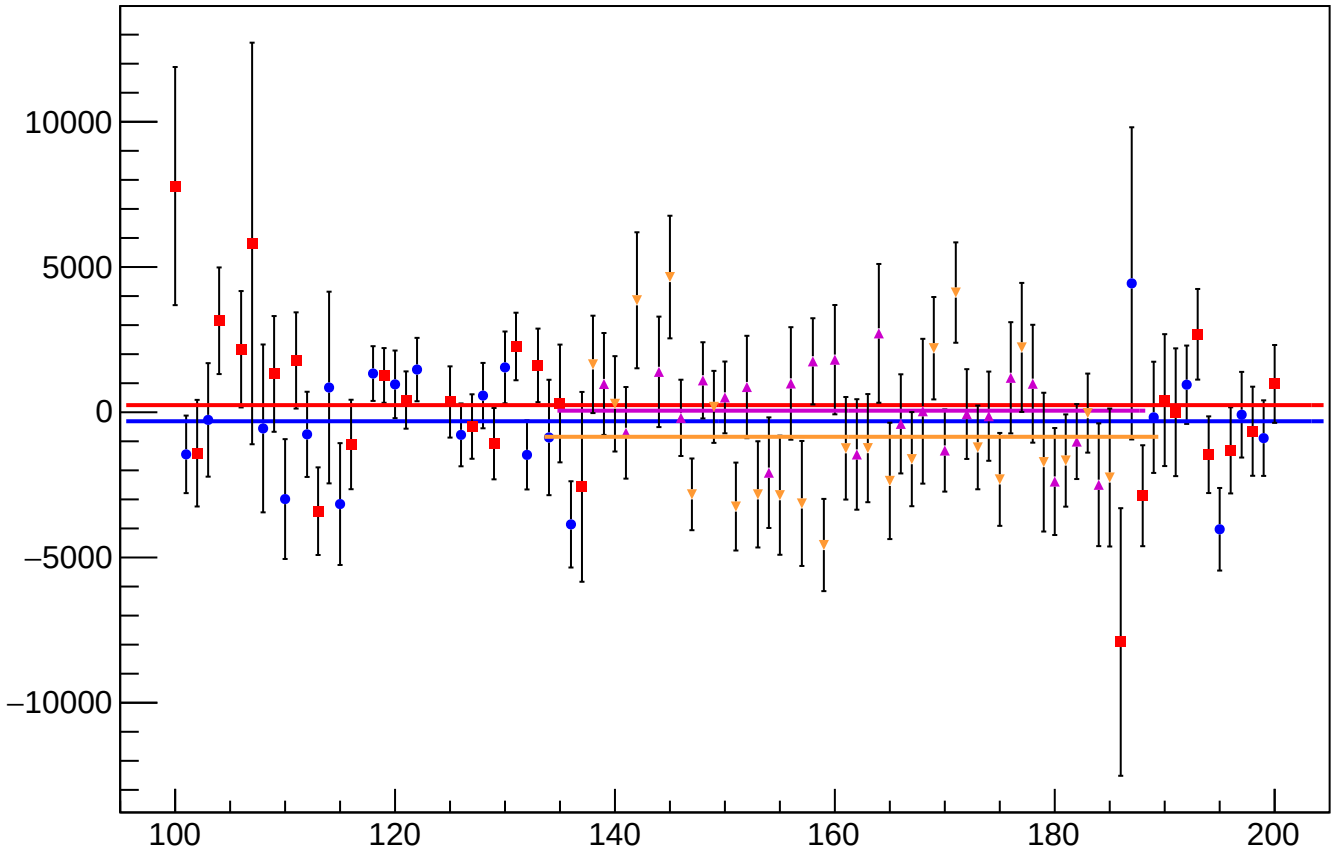
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.191+/-0.156 χ^2/NDF: 29083.9/48

In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

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

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

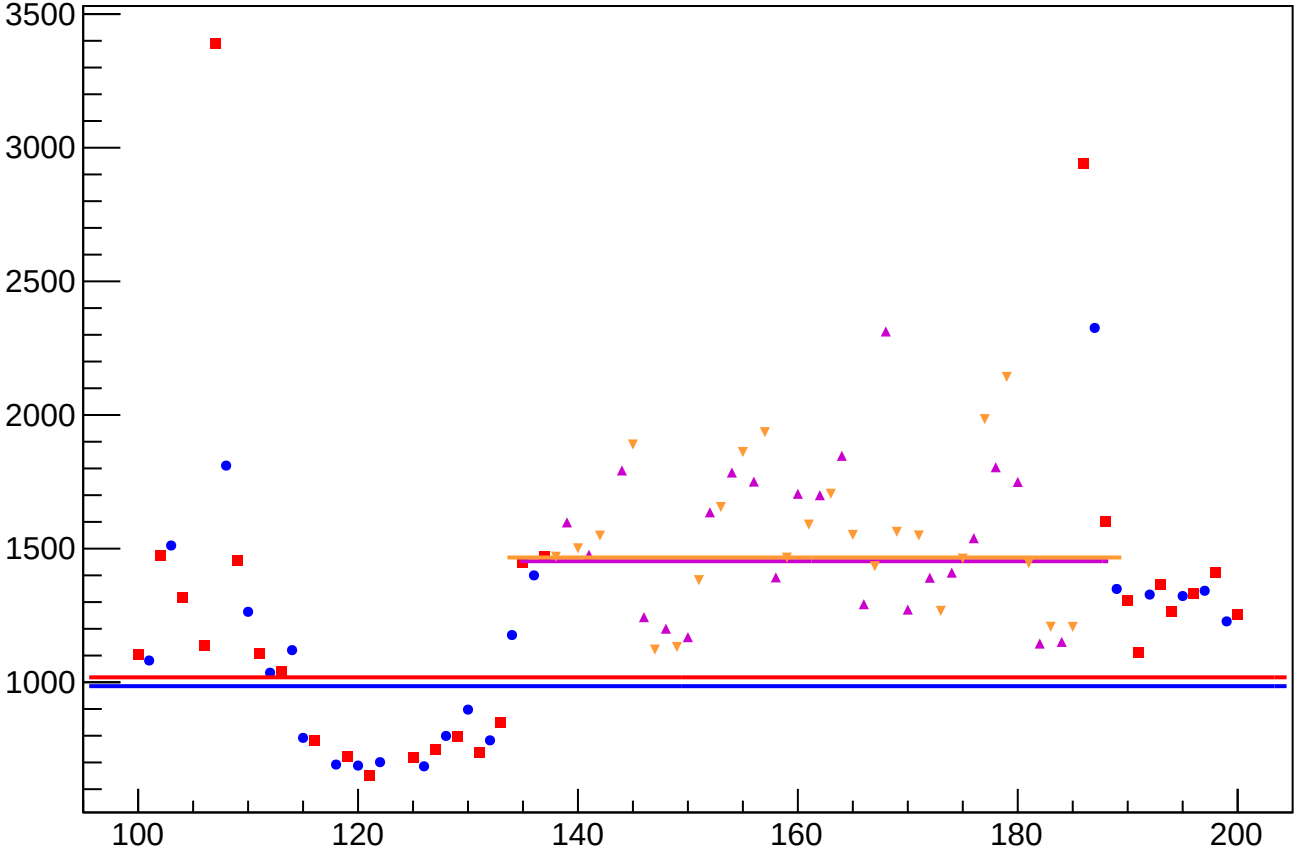
Right: -21.834+/-211.371 χ^2/NDF: 67.7/48

In: -150.656+/-228.585 χ^2/NDF:43.6/44

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

All: -180.277+/-160.075 χ^2/NDF: 129.5/95

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

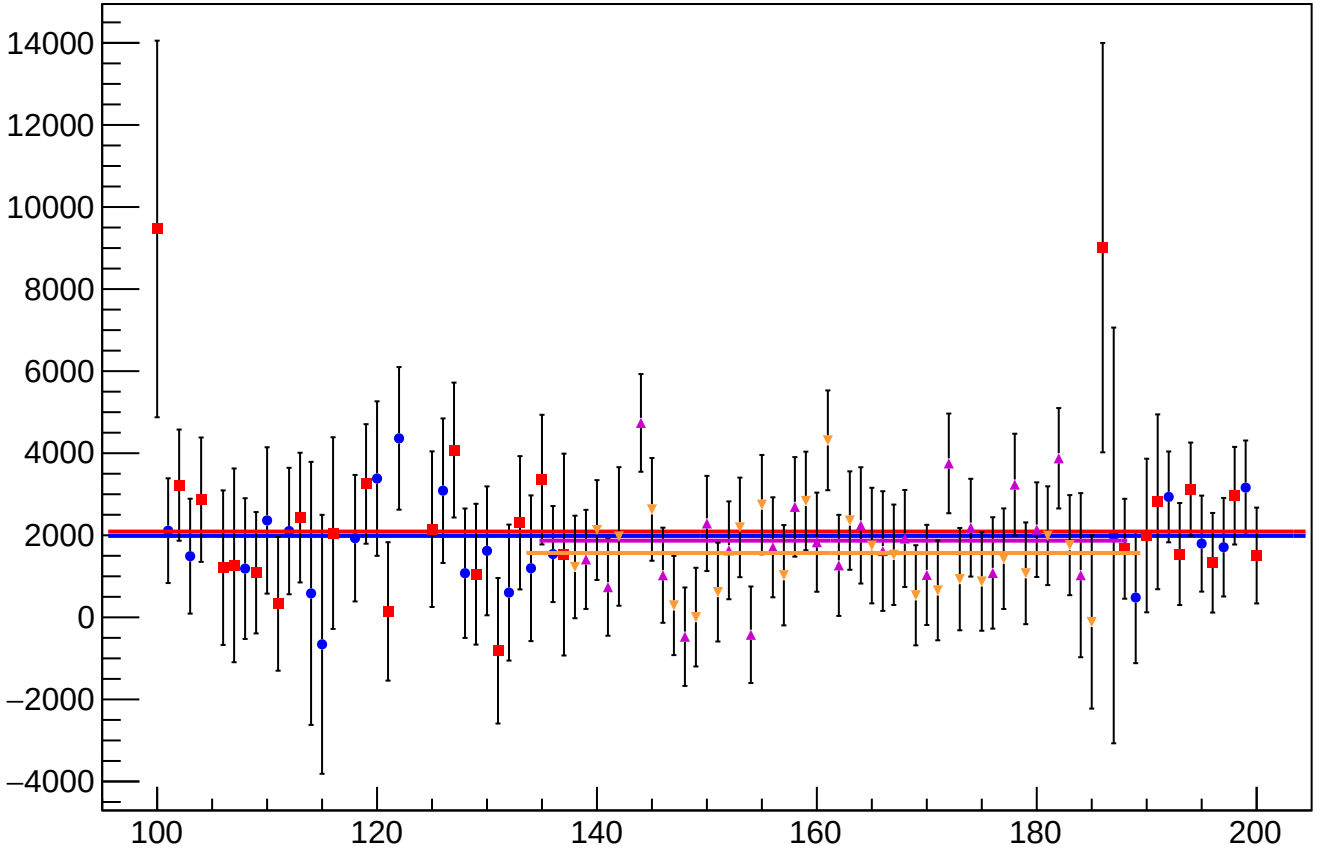
Right: 1002.573+/-0.149 χ^2/NDF: 4611339.1/48

In: 1189.539+/-0.162 χ^2/NDF:5101527.6/44

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

All: 1197.604+/-0.113 χ^2/NDF: 10778413.8/9

overload_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1984.946+/-326.112 χ^2/NDF: 8.3/21

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

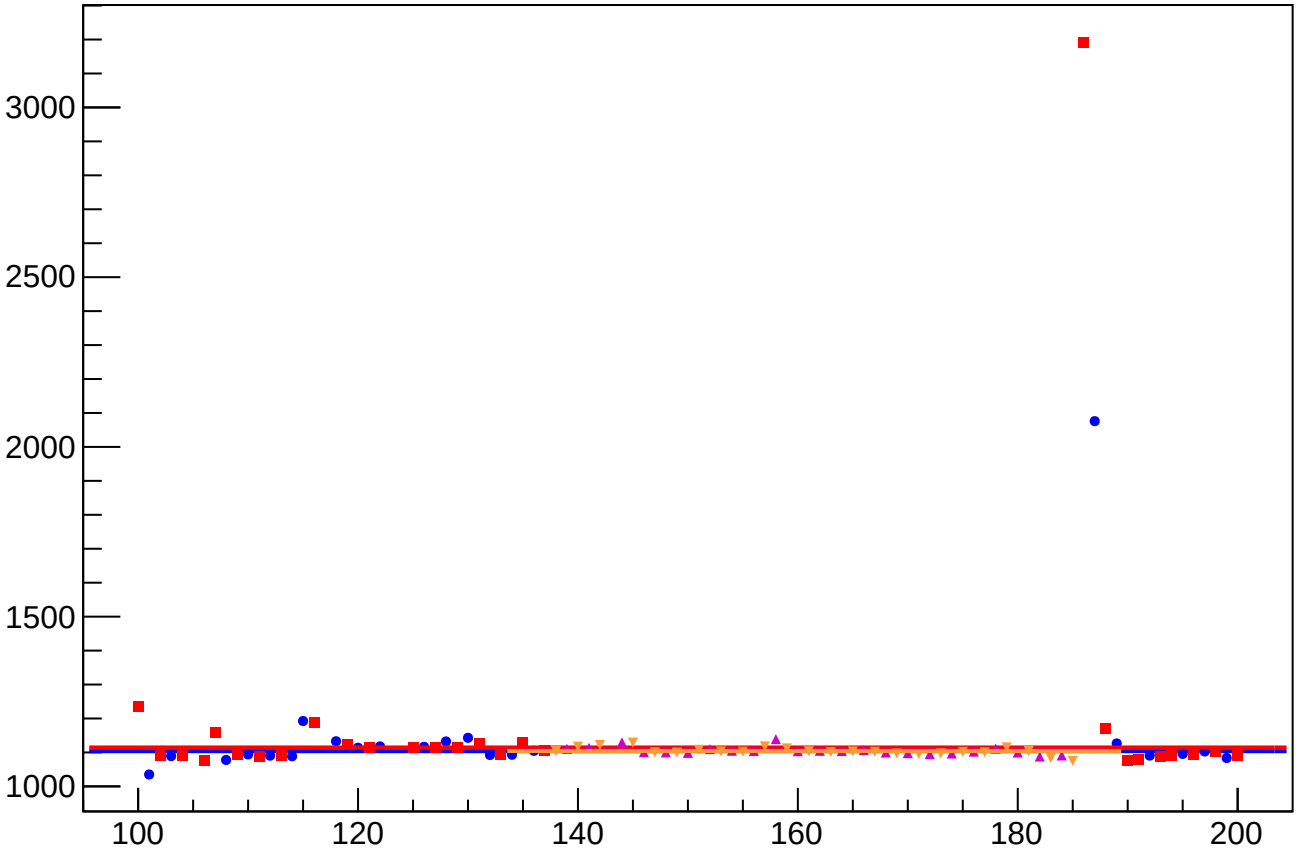
Right: 2041.248+/-222.796 χ^2/NDF: 25.5/48

In: 1913.865+/-202.384 χ^2/NDF:31.8/44

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

All: 1847.262+/-140.885 χ^2/NDF: 66.2/95

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.681+/-0.231 χ^2/NDF: 86431.7/21

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

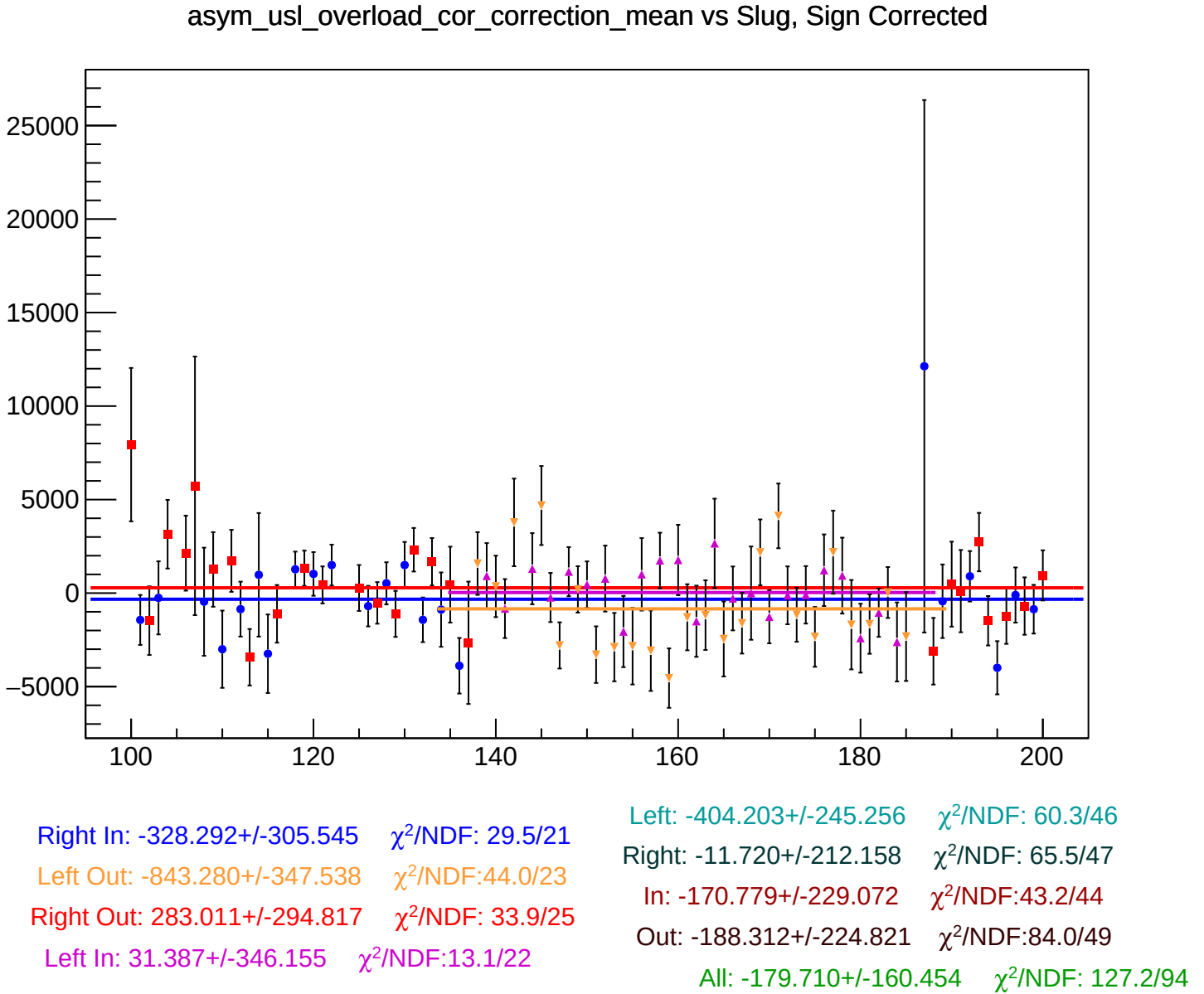
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

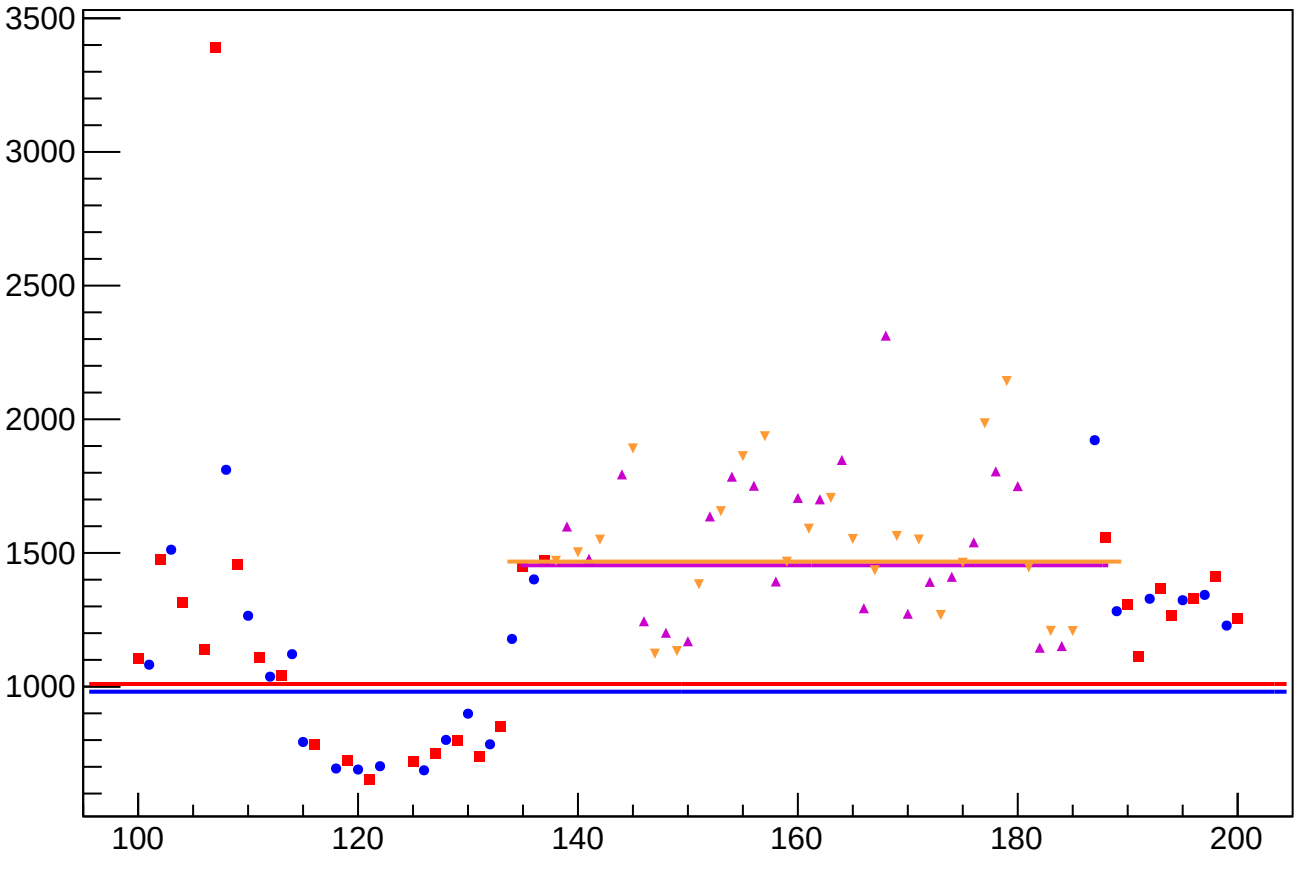
Right: 1109.553+/-0.158 χ^2/NDF: 450746.4/48

In: 1104.726+/-0.143 χ^2/NDF:90126.1/44

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

All: 1106.710+/-0.100 χ^2/NDF: 457968.3/95


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -328.292+/-305.545 χ²/NDF: 29.5/21
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: 283.011+/-294.817 χ²/NDF: 33.9/25
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -404.203+/-245.256 χ²/NDF: 60.3/46
Right: -11.720+/-212.158 χ²/NDF: 65.5/47
In: -170.779+/-229.072 χ²/NDF:43.2/44
Out: -188.312+/-224.821 χ²/NDF:84.0/49
All: -179.710+/-160.454 χ²/NDF: 127.2/94



Right In: 980.910+/-0.216 χ^2/NDF: 1762526.7/21

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

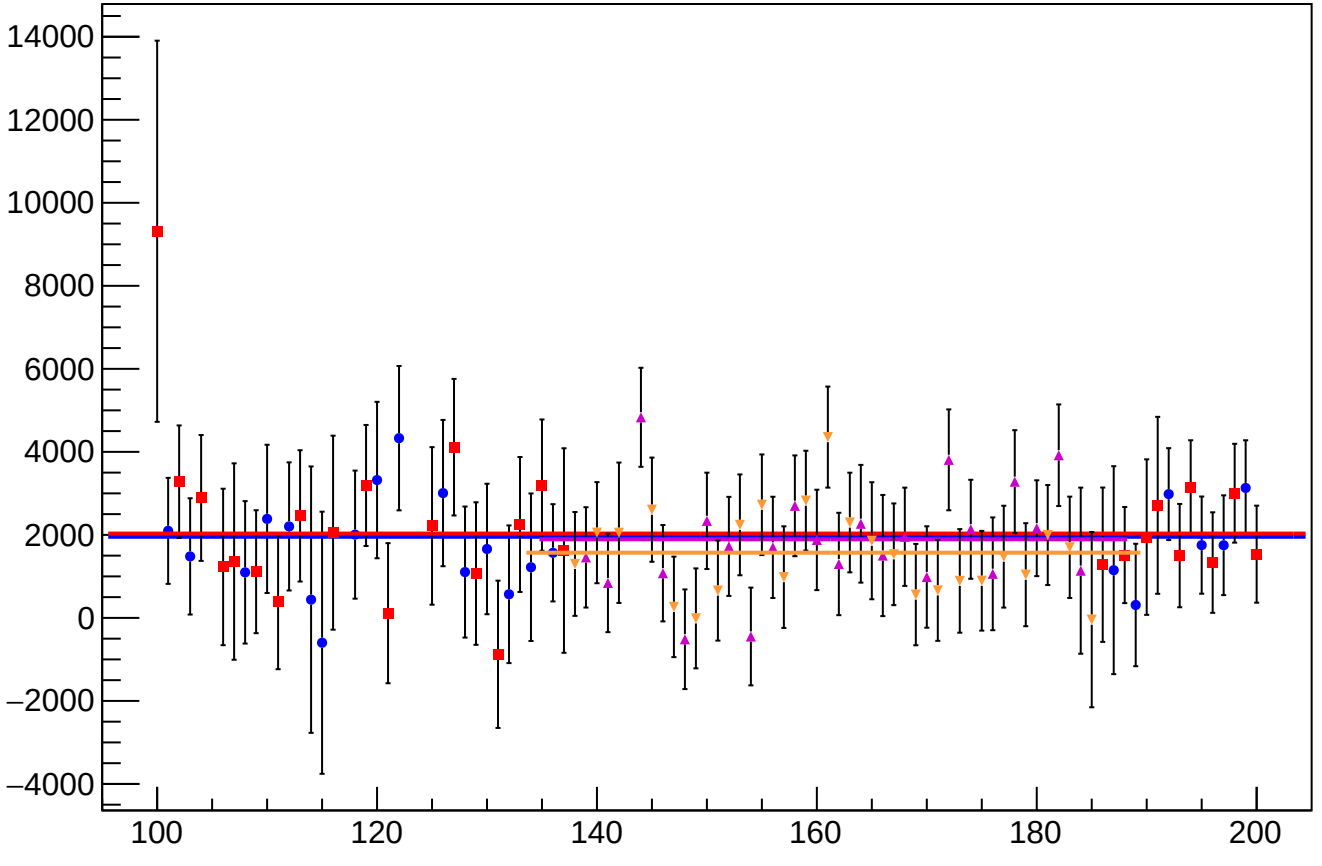
Right: 995.897+/-0.150 χ^2/NDF: 4053845.9/47

In: 1188.016+/-0.162 χ^2/NDF:4988807.7/44

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

All: 1194.857+/-0.113 χ^2/NDF: 10334745.0/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

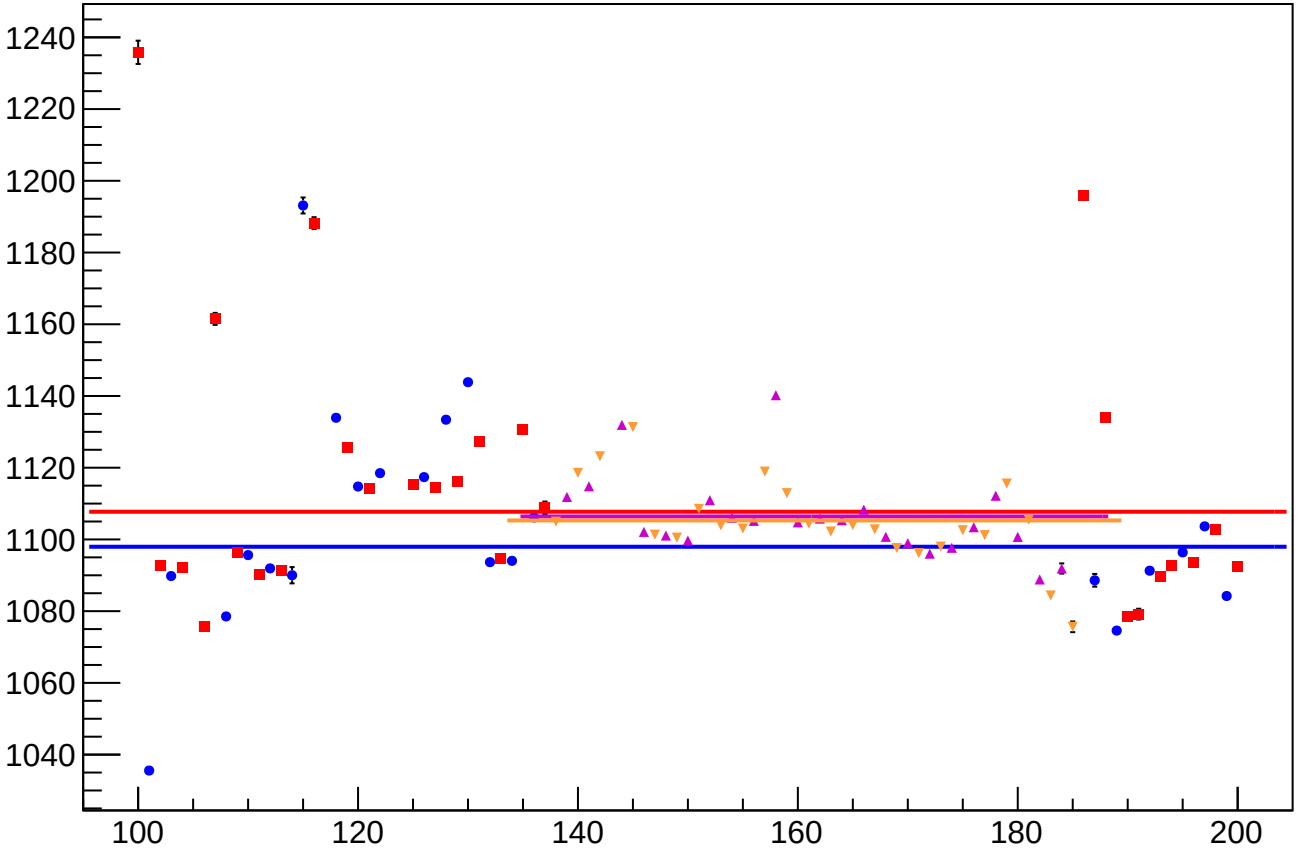
Right: 1996.109+/-220.164 χ^2/NDF: 24.1/48

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

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

All: 1838.687+/-140.291 χ^2/NDF: 65.2/95

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

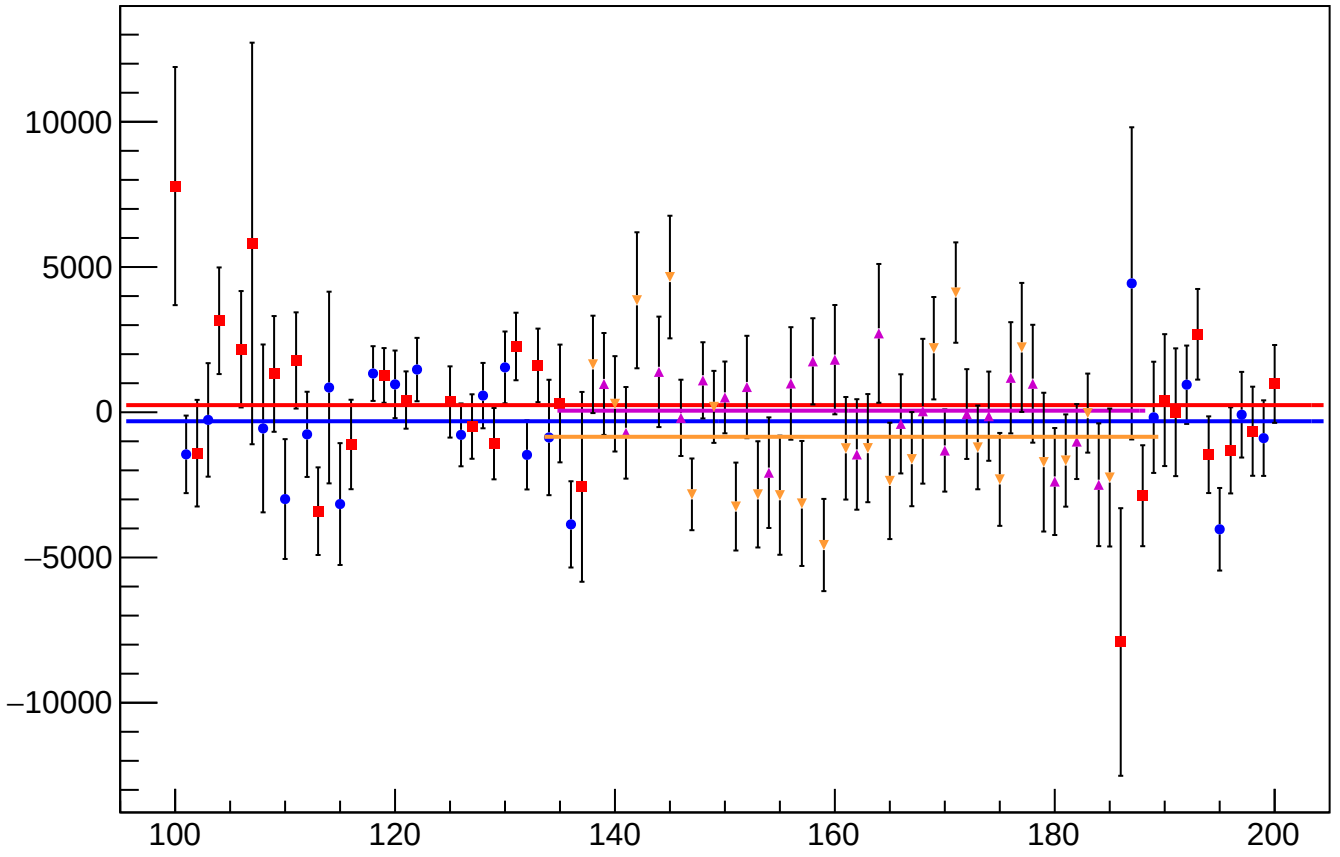
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.191+/-0.156 χ^2/NDF: 29083.9/48

In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

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

All: 1104.768+/-0.099 χ^2/NDF: 36213.4/95



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

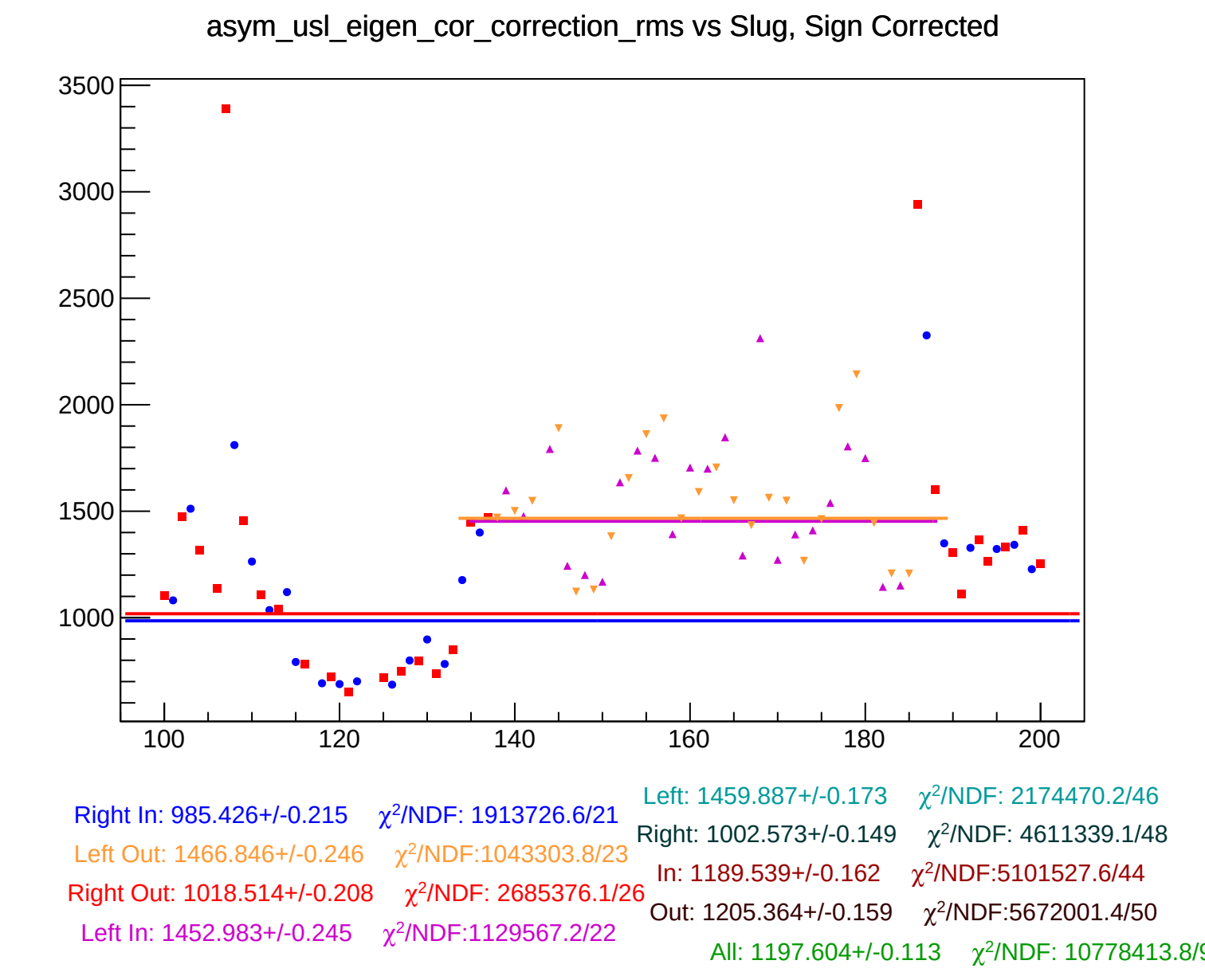
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -21.834+/-211.371 χ^2/NDF: 67.7/48

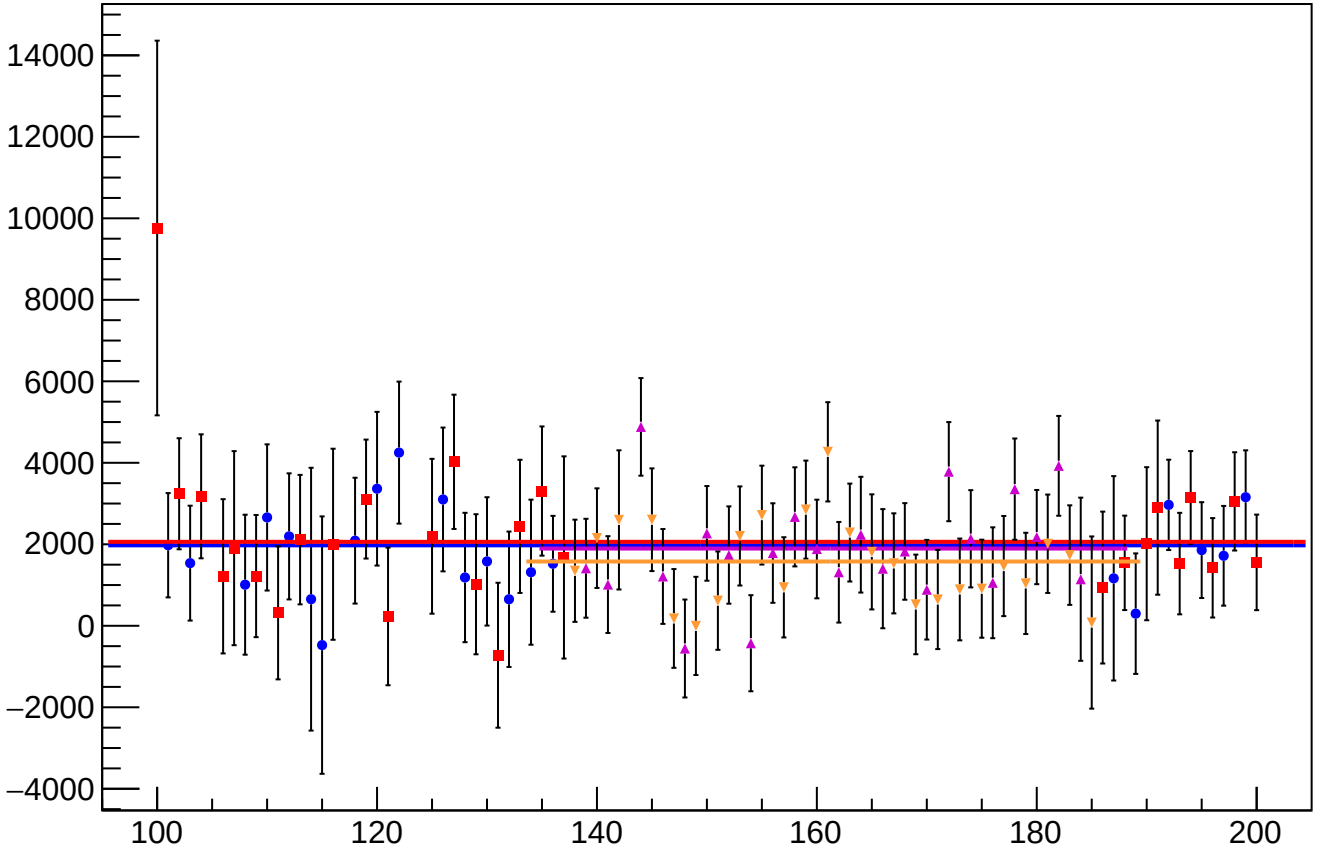
In: -150.656+/-228.585 χ^2/NDF:43.6/44

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

All: -180.277+/-160.075 χ^2/NDF: 129.5/95


asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 985.426+/-0.215 χ²/NDF: 1913726.6/21
Left Out: 1466.846+/-0.246 χ²/NDF:1043303.8/23
Right Out: 1018.514+/-0.208 χ²/NDF: 2685376.1/26
Left In: 1452.983+/-0.245 χ²/NDF:1129567.2/22
Left: 1459.887+/-0.173 χ²/NDF: 2174470.2/46
Right: 1002.573+/-0.149 χ²/NDF: 4611339.1/48
In: 1189.539+/-0.162 χ²/NDF:5101527.6/44
Out: 1205.364+/-0.159 χ²/NDF:5672001.4/50
All: 1197.604+/-0.113 χ²/NDF: 10778413.8/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1974.236+/-324.368 χ^2/NDF: 8.5/21

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

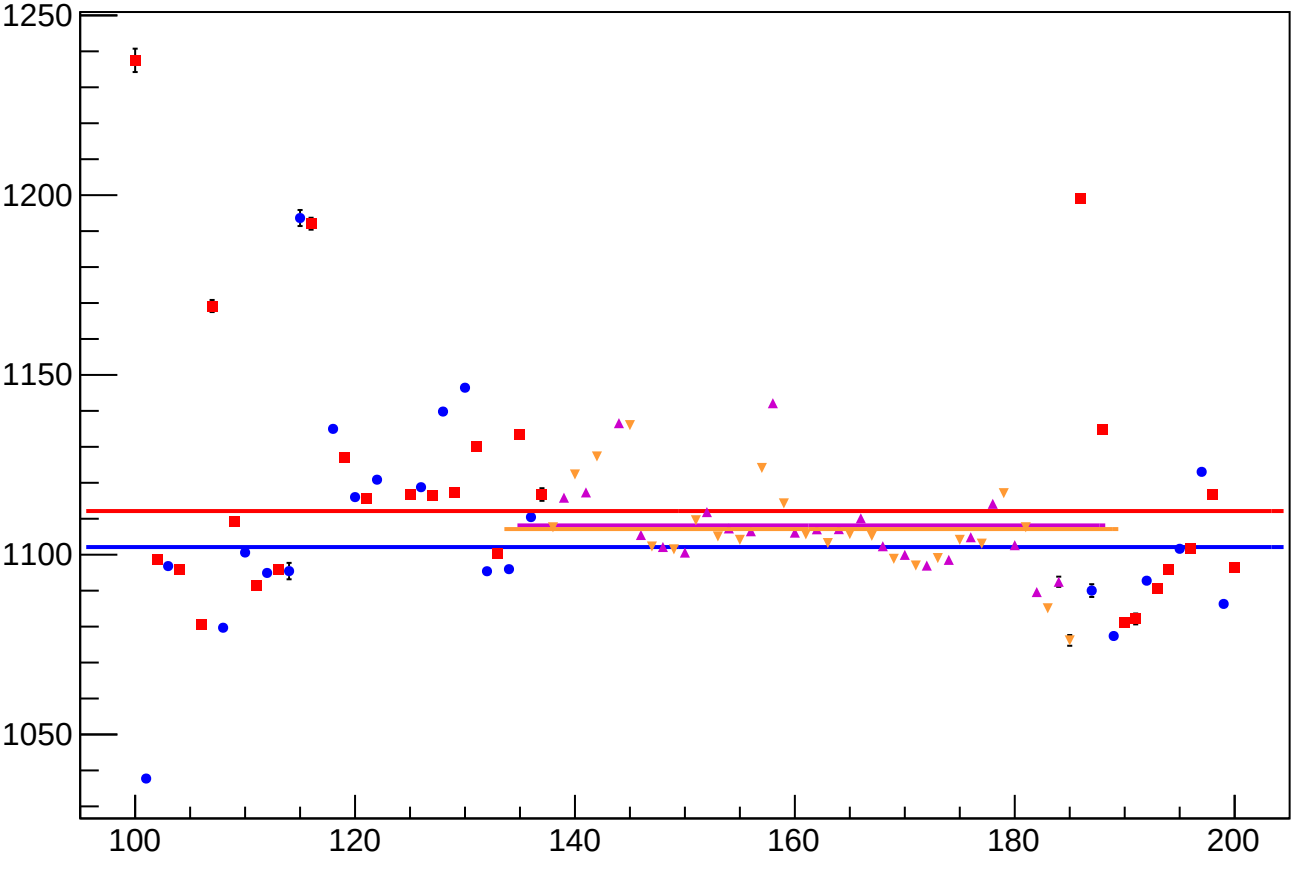
Right: 2020.544+/-221.035 χ^2/NDF: 23.9/48

In: 1926.148+/-202.276 χ^2/NDF:32.7/44

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

All: 1850.869+/-140.658 χ^2/NDF: 65.3/95

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.8/21

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

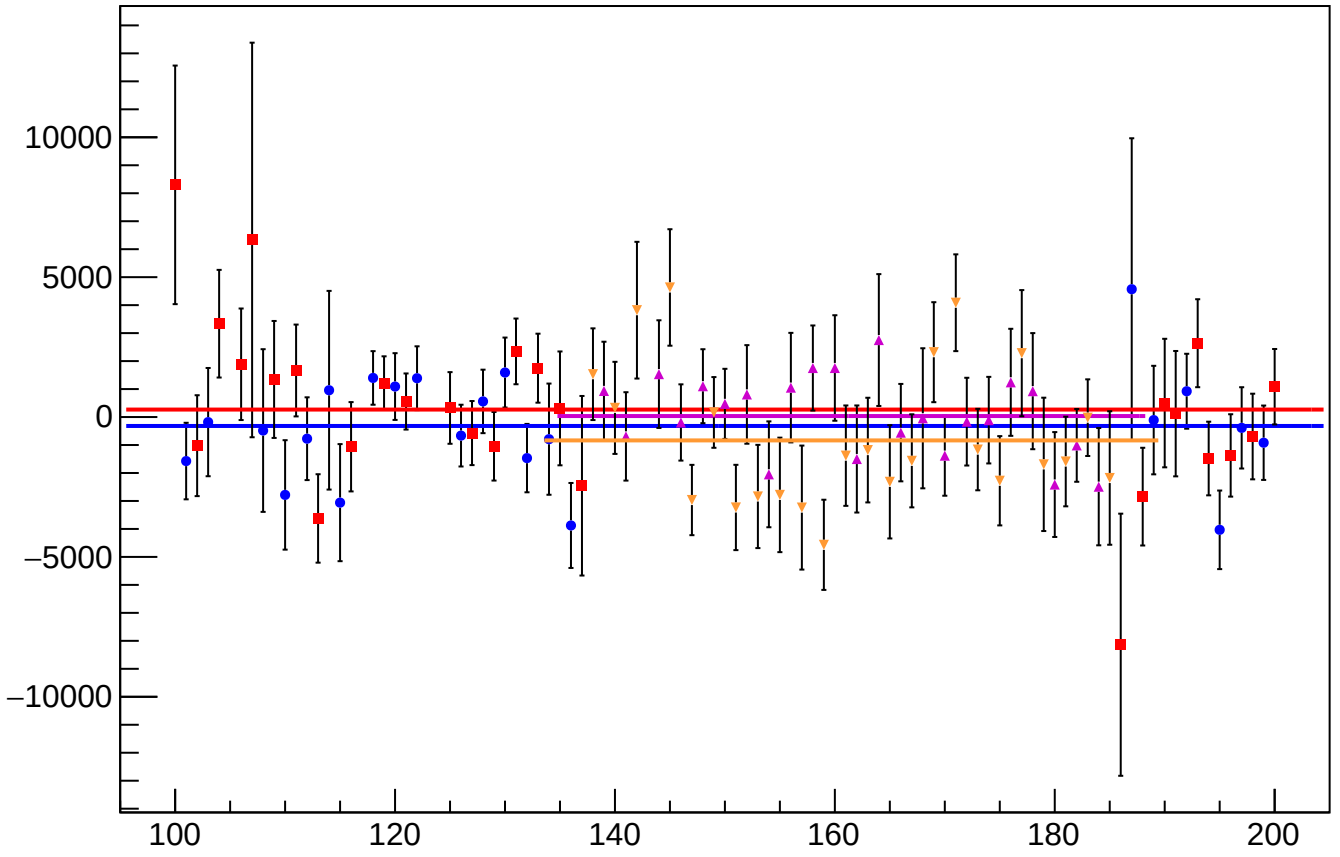
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1107.488+/-0.156 χ^2/NDF: 29185.1/48

In: 1105.803+/-0.143 χ^2/NDF:17777.7/44

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

All: 1107.574+/-0.099 χ^2/NDF: 37175.5/95



Right In: -319.085+/-308.505 χ^2/NDF: 29.6/21

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

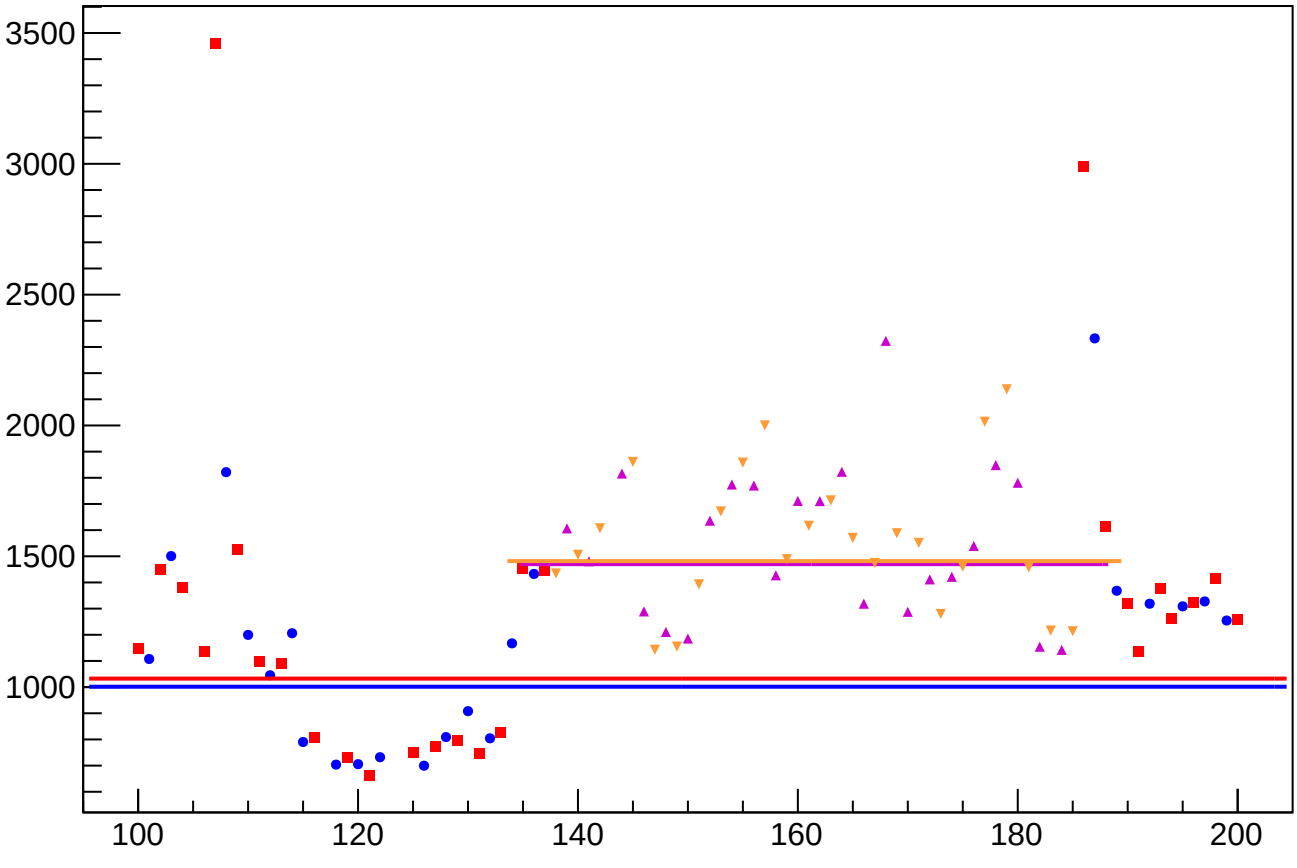
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: -14.895+/-214.012 χ^2/NDF: 67.7/48

In: -163.859+/-231.328 χ^2/NDF:43.3/44

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

All: -179.023+/-161.906 χ^2/NDF: 128.9/95



Right In: 1001.515+/-0.218 χ^2/NDF: 1801581.4/21

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

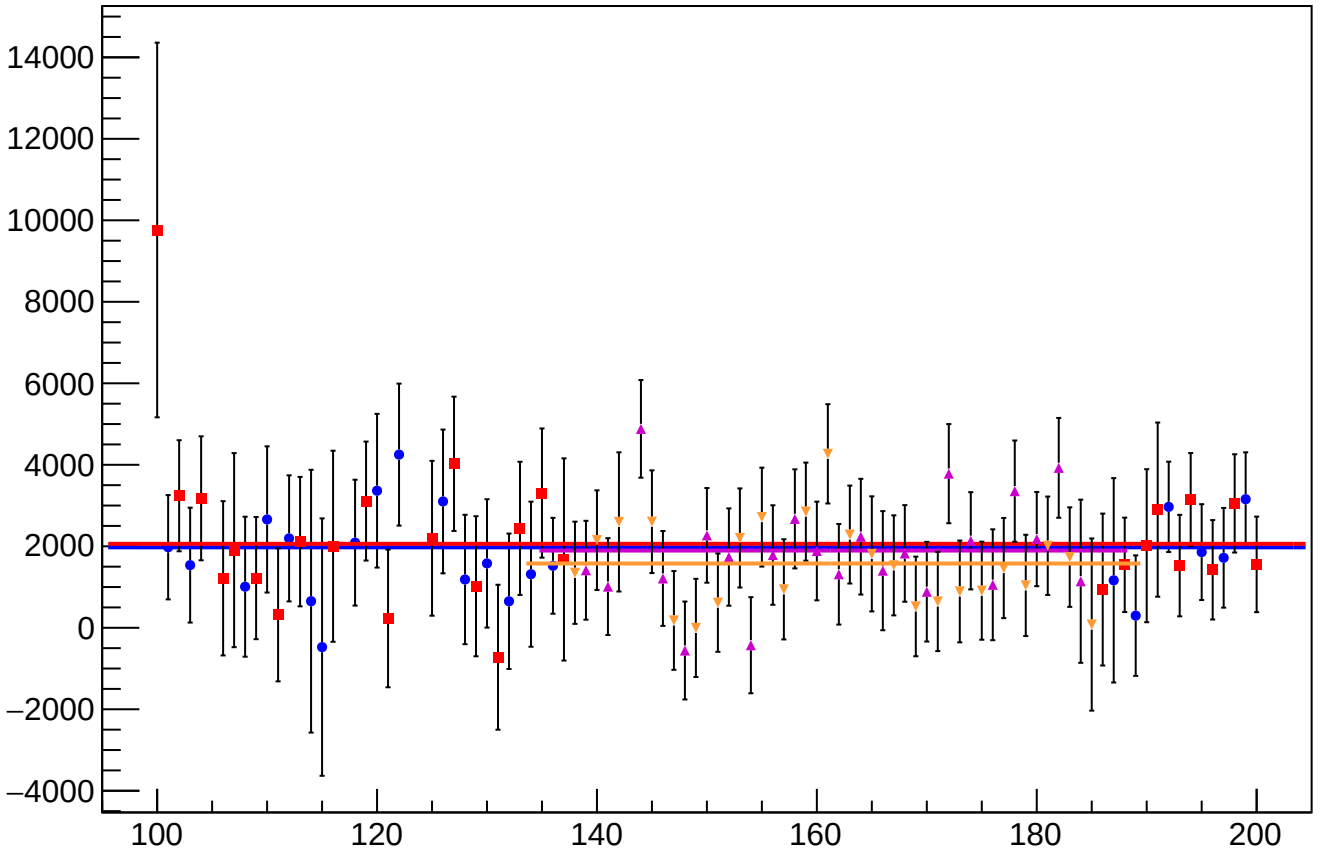
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 1017.624+/-0.151 χ^2/NDF: 4444235.5/48

In: 1206.553+/-0.164 χ^2/NDF:4914763.7/44

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

All: 1213.533+/-0.114 χ^2/NDF: 10476674.3/9



Right In: 1974.235+/-324.368 χ^2/NDF: 8.5/21

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

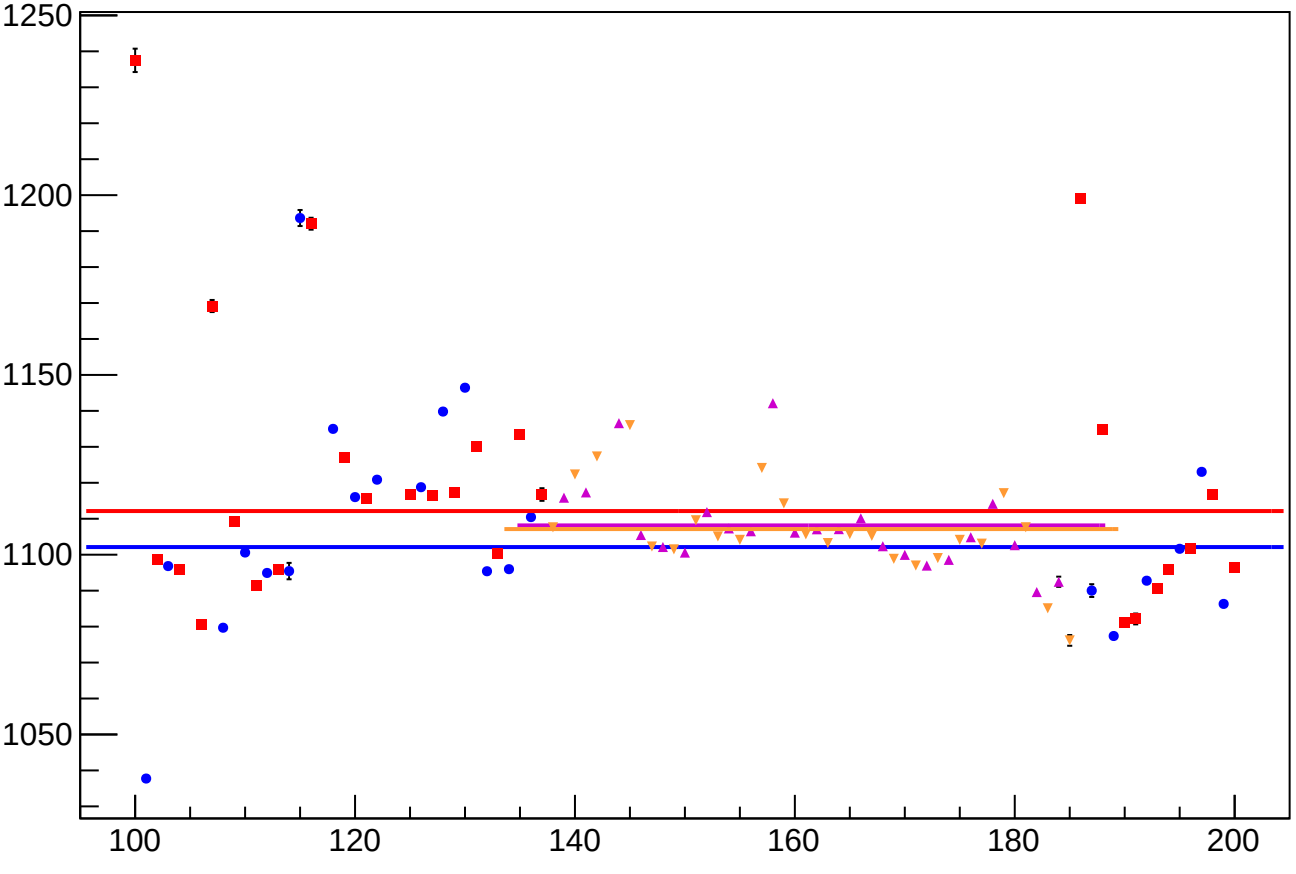
Right: 2020.542+/-221.035 χ^2/NDF: 23.9/48

In: 1926.148+/-202.276 χ^2/NDF:32.7/44

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

All: 1850.867+/-140.658 χ^2/NDF: 65.3/95

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.9/21

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

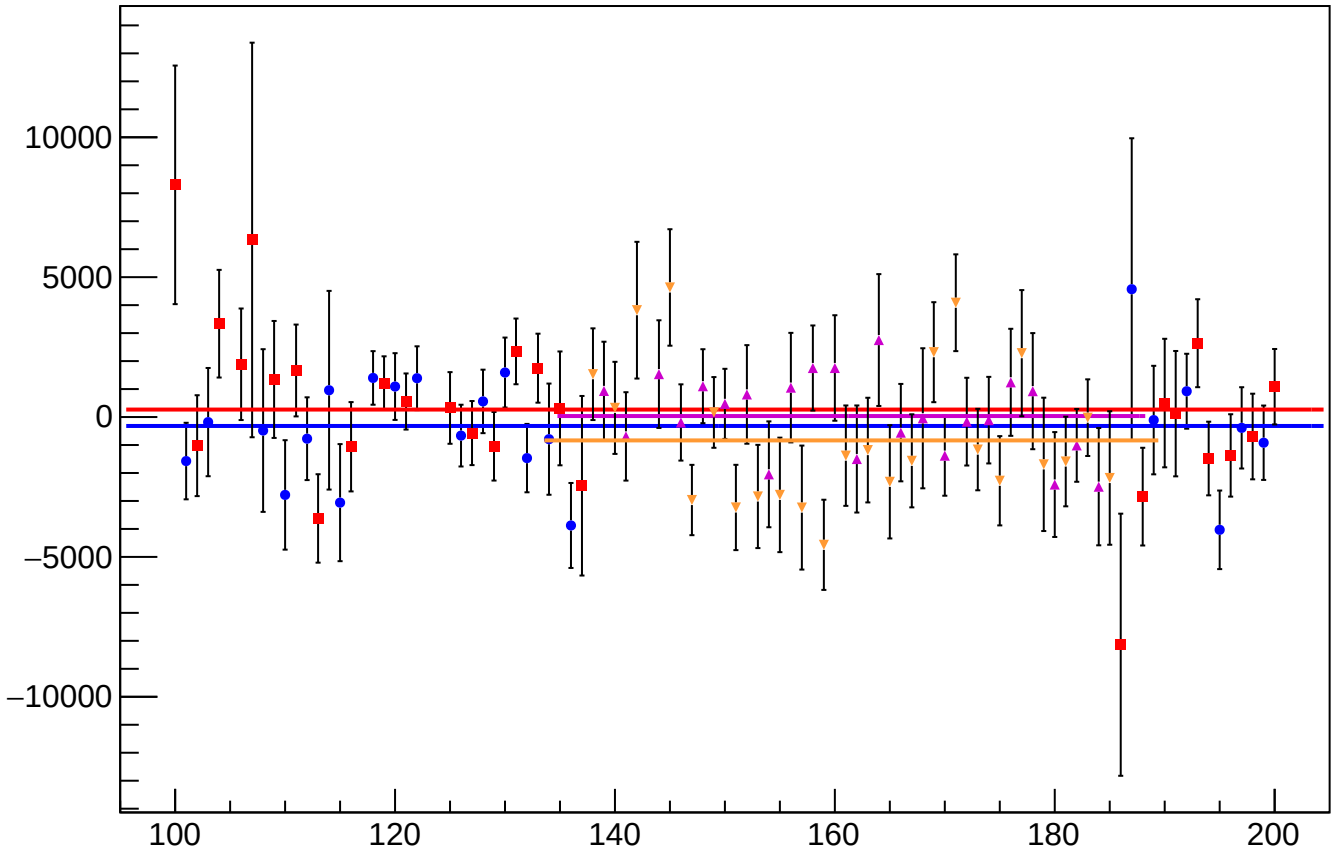
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1107.488+/-0.156 χ^2/NDF: 29185.1/48

In: 1105.803+/-0.143 χ^2/NDF:17777.7/44

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

All: 1107.574+/-0.099 χ^2/NDF: 37175.4/95



Right In: -319.083+/-308.505 χ^2/NDF: 29.6/21

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

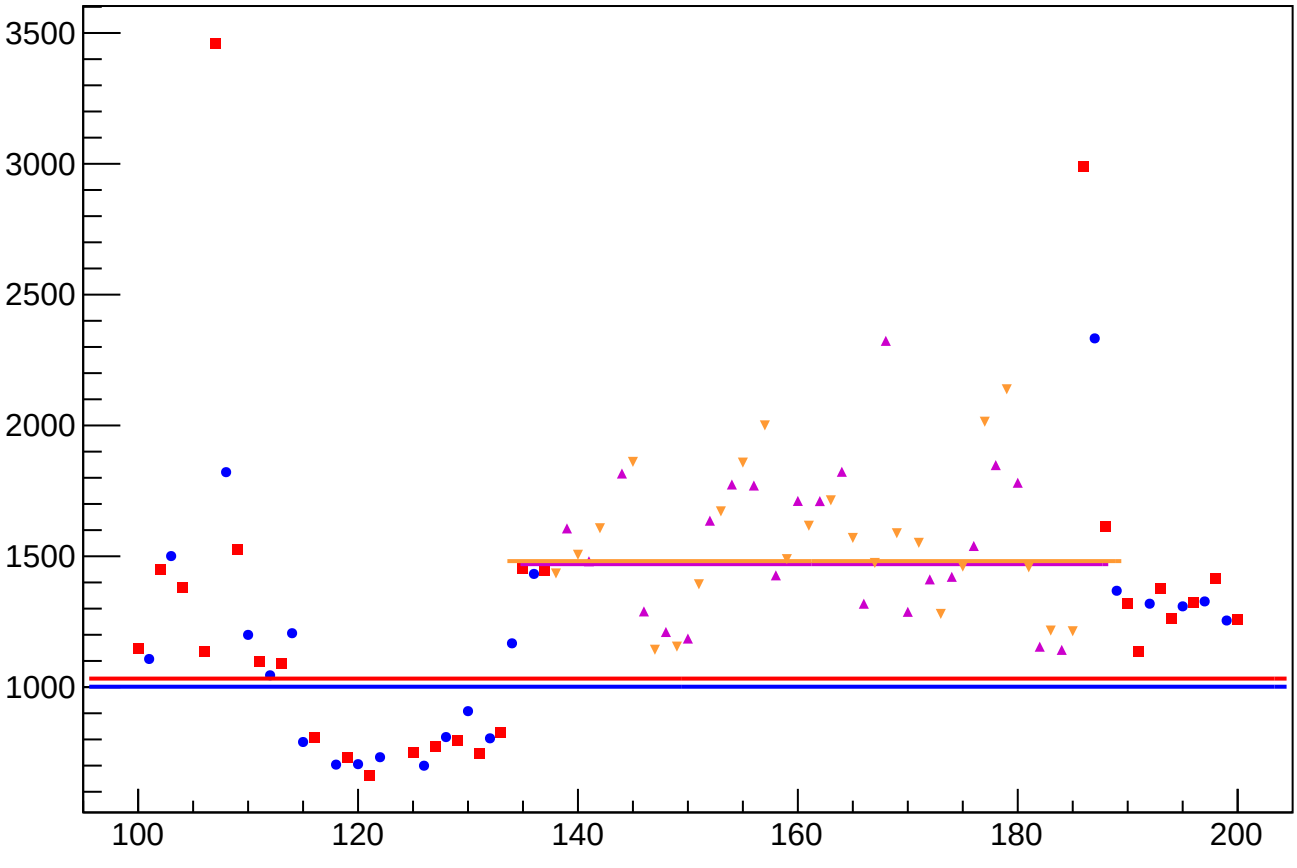
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -14.894+/-214.012 χ^2/NDF: 67.7/48

In: -163.858+/-231.328 χ^2/NDF:43.3/44

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

All: -179.023+/-161.905 χ^2/NDF: 128.9/95



Right In: 1001.513+/-0.218 χ^2/NDF: 1801592.8/21

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

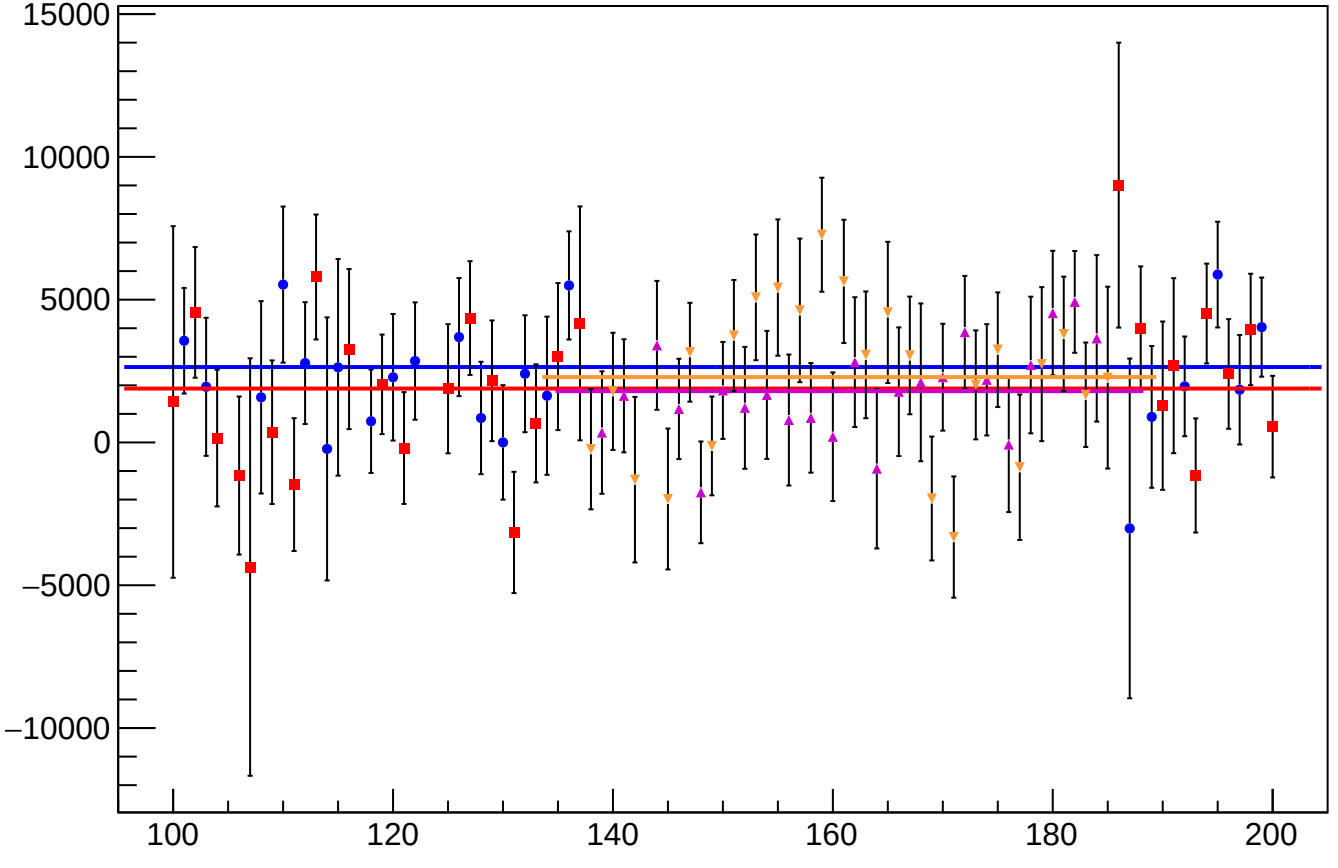
Right: 1017.622+/-0.151 χ^2/NDF: 4444260.3/48

In: 1206.552+/-0.164 χ^2/NDF:4914800.4/44

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

All: 1213.532+/-0.114 χ^2/NDF: 10476750.6/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2640.804+/-467.685 χ^2/NDF: 13.7/21

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

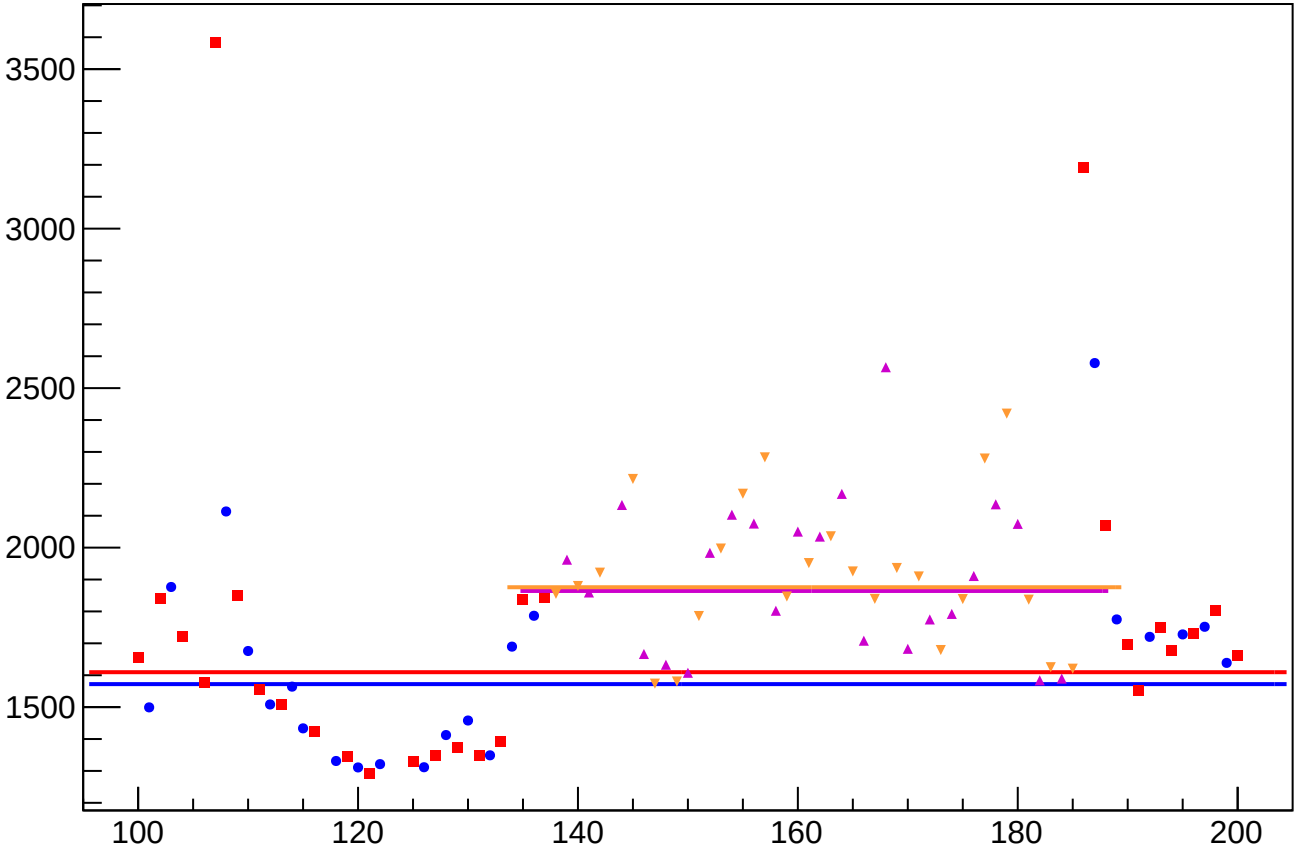
Right: 2245.542+/-322.400 χ^2/NDF: 43.4/48

In: 2192.002+/-320.136 χ^2/NDF:29.7/44

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

All: 2140.440+/-223.678 χ^2/NDF: 94.5/95

asym_usl_rms vs Slug, Sign Corrected



Right In: 1572.120+/-0.331 χ^2/NDF: 411032.4/21

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

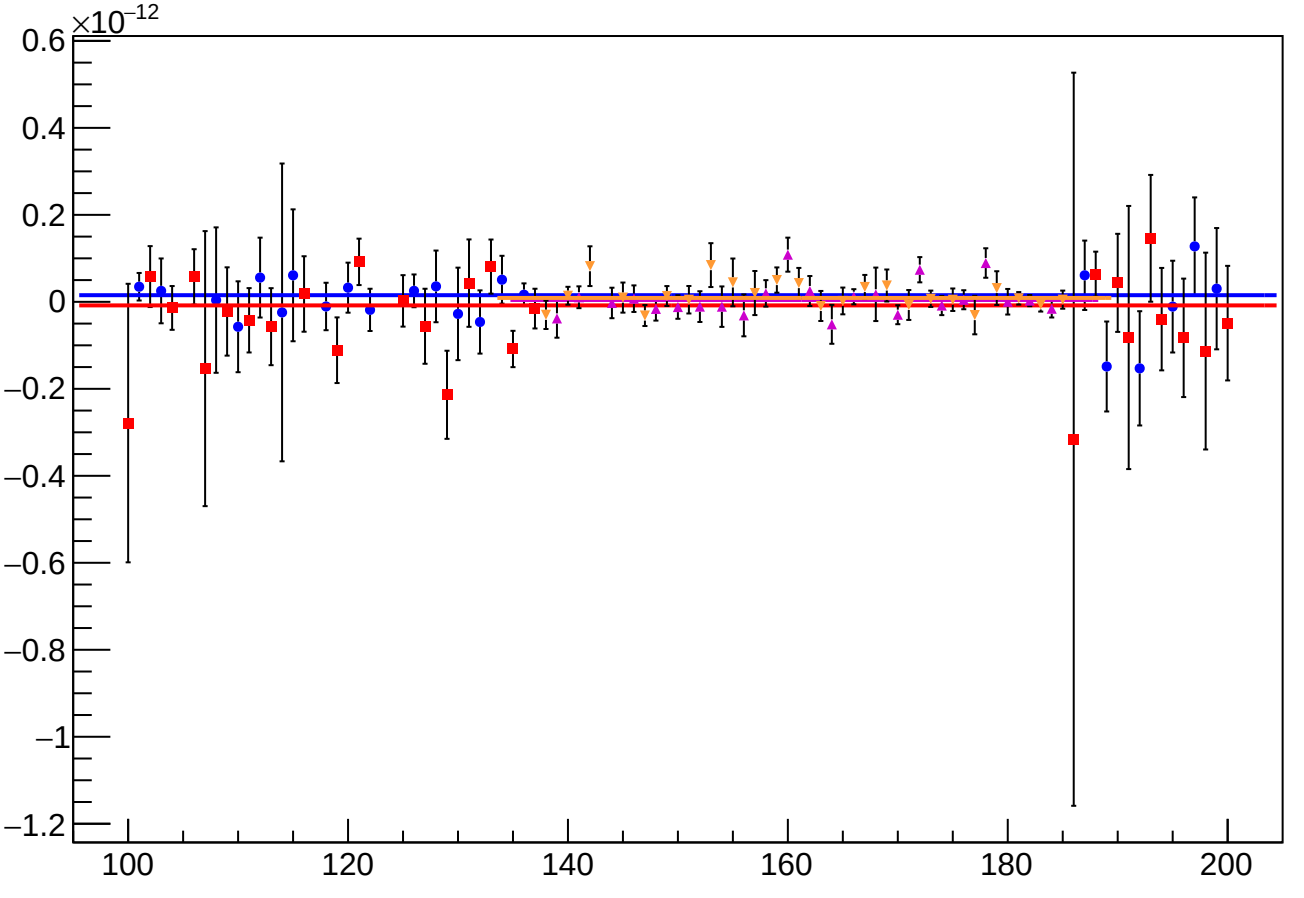
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1591.740+/-0.228 χ^2/NDF: 1220047.4/48

In: 1727.324+/-0.226 χ^2/NDF:1336082.9/44

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

All: 1736.055+/-0.158 χ^2/NDF: 2976558.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/21

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

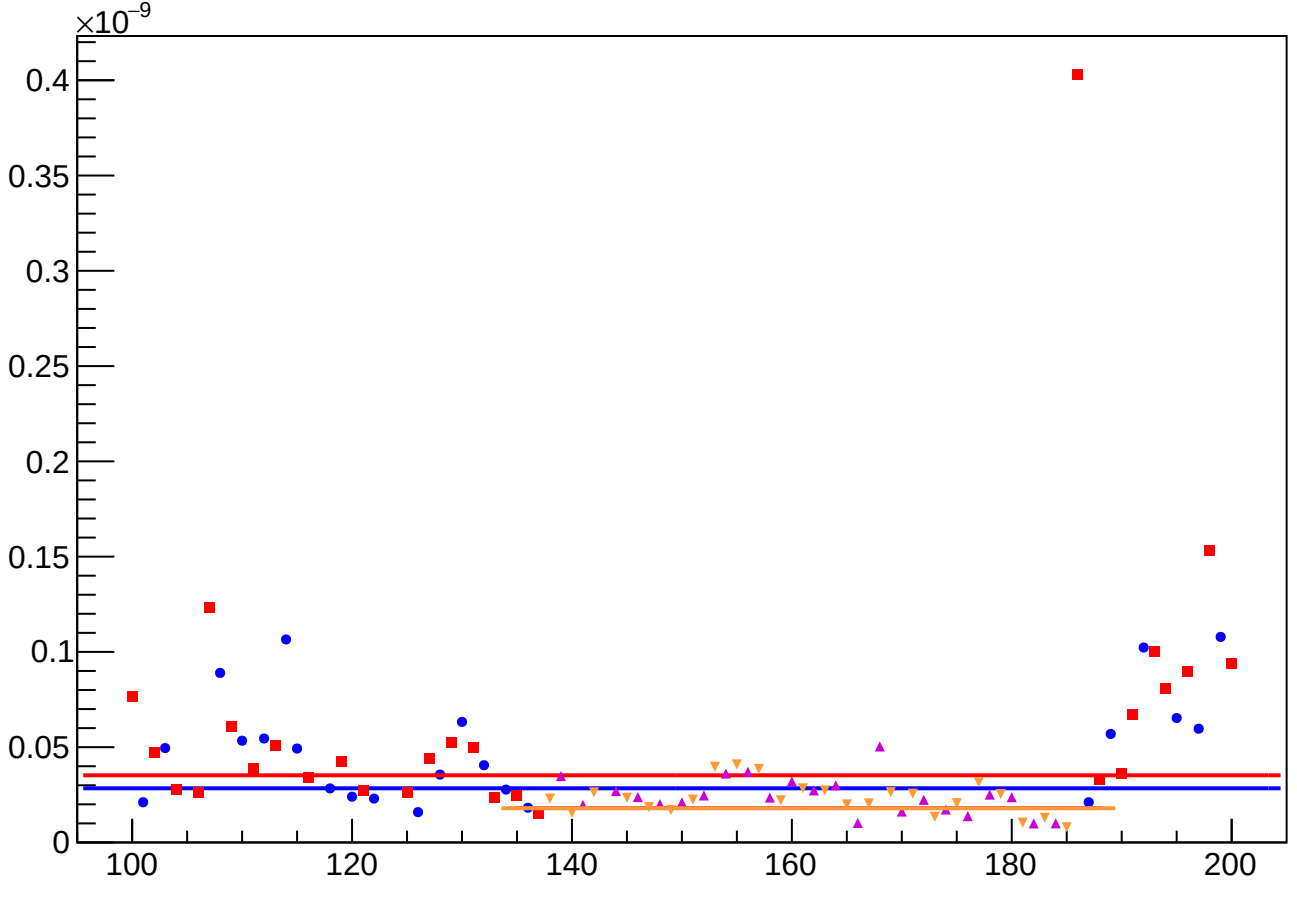
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 36.0/48

In: 0.000+/-0.000 χ^2/NDF:37.7/44

Out: 0.000+/-0.000 χ^2/NDF:43.4/50

All: 0.000+/-0.000 χ^2/NDF: 81.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 3646823.4/21

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

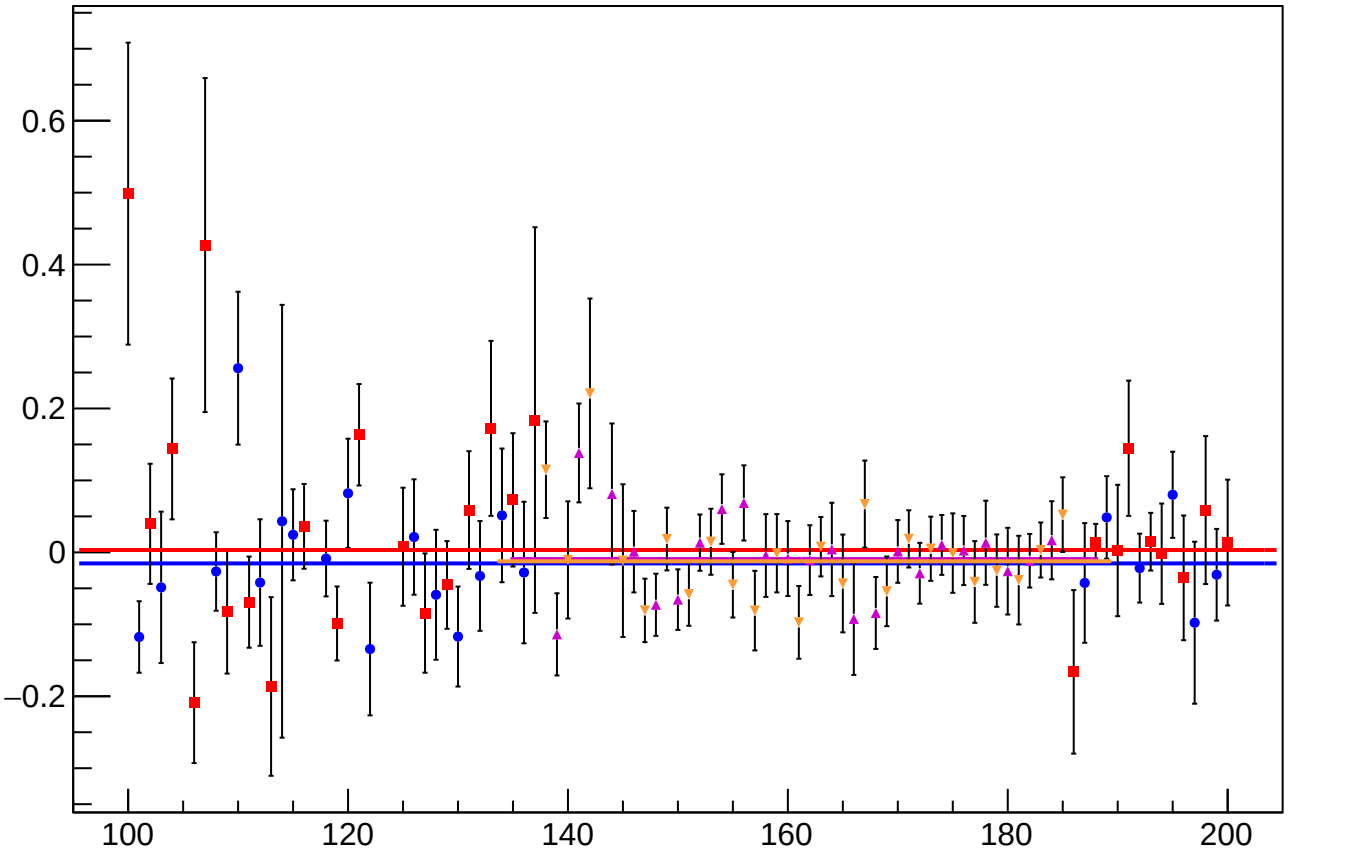
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 7593489.3/48

In: 0.000+/-0.000 χ^2/NDF:8917553.6/44

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

All: 0.000+/-0.000 χ^2/NDF: 18526783.2/95



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

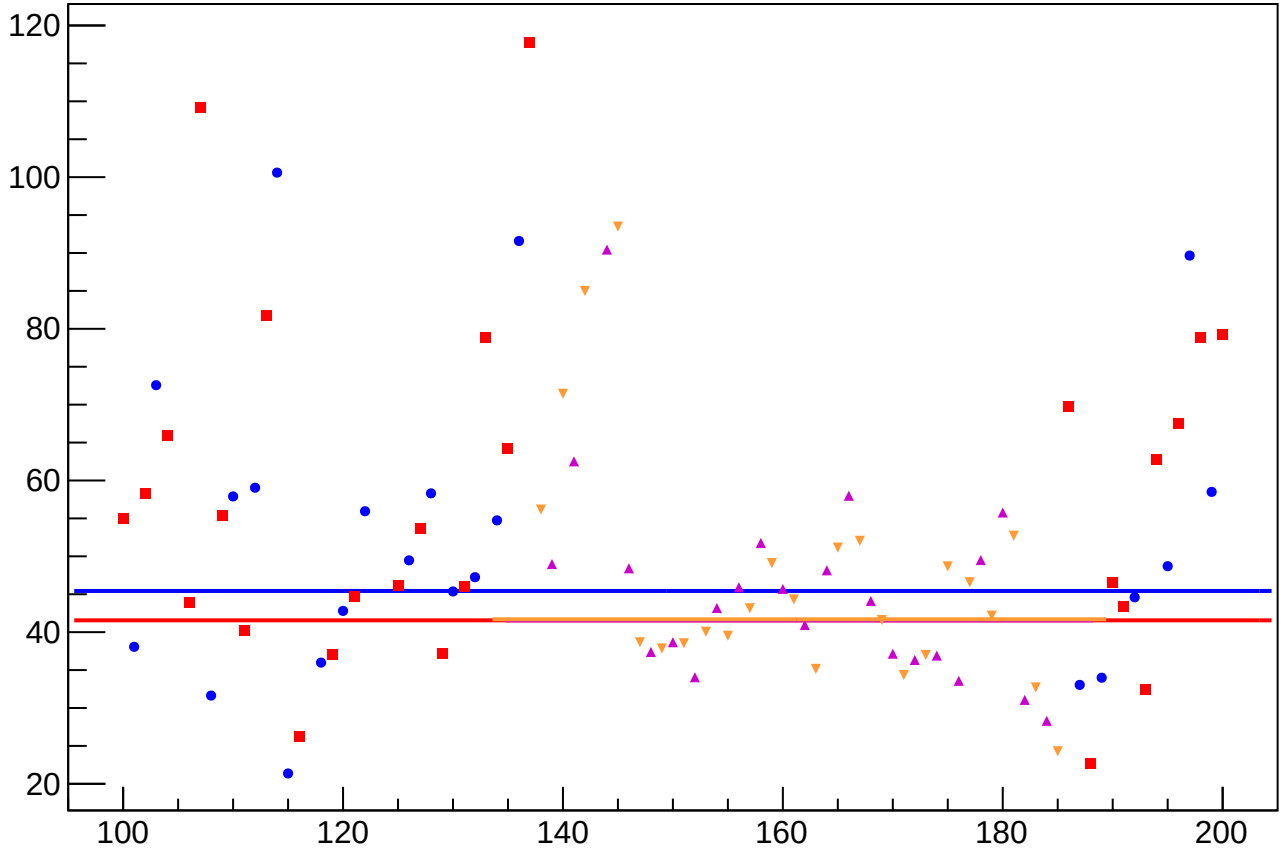
Right: -0.005+/-0.010 χ^2/NDF: 65.3/48

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.009+/-0.006 χ^2/NDF: 109.4/95

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

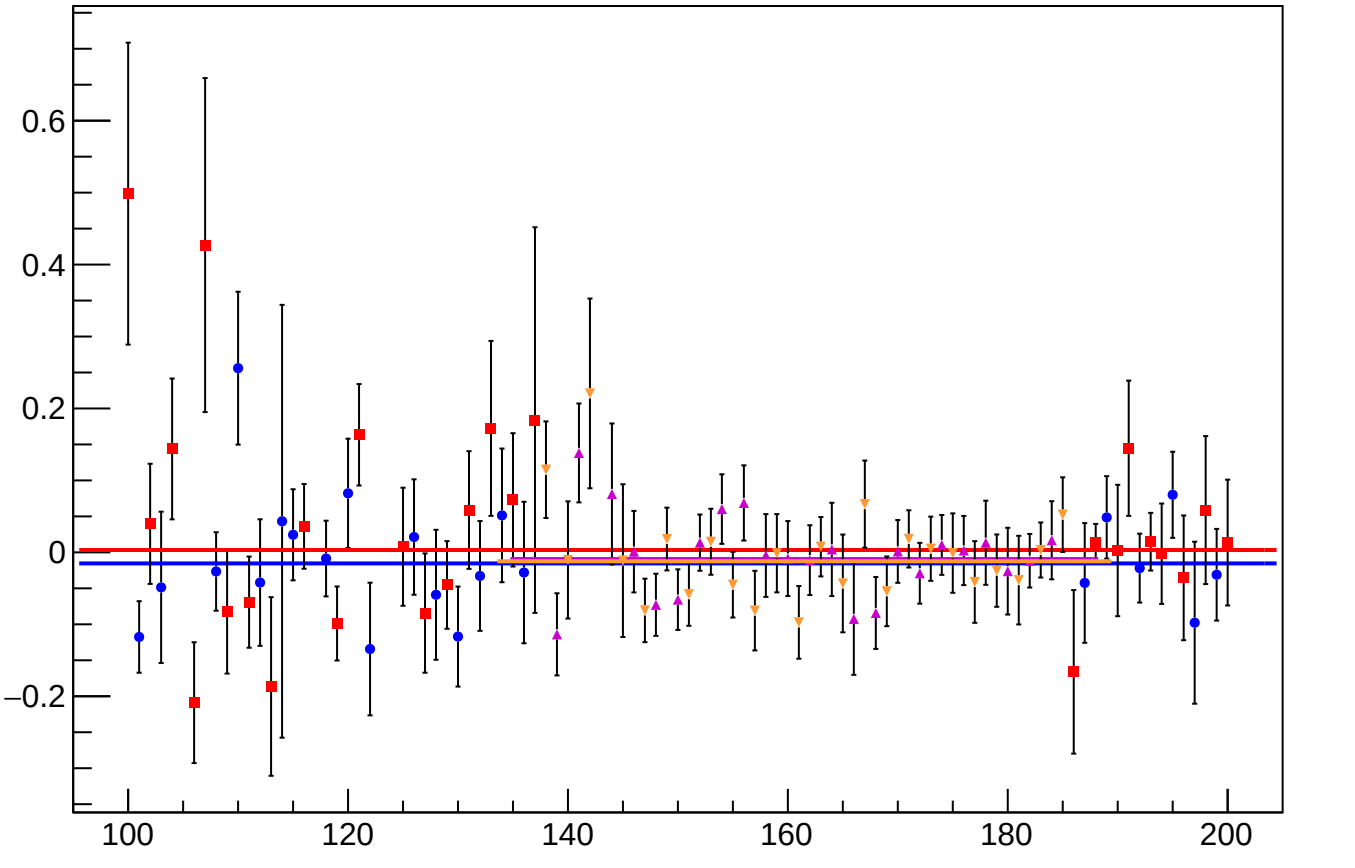
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.247+/-0.007 χ^2/NDF: 5527306.3/48

In: 42.801+/-0.006 χ^2/NDF:3562151.1/44

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

All: 42.196+/-0.004 χ^2/NDF: 8996178.8/95



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

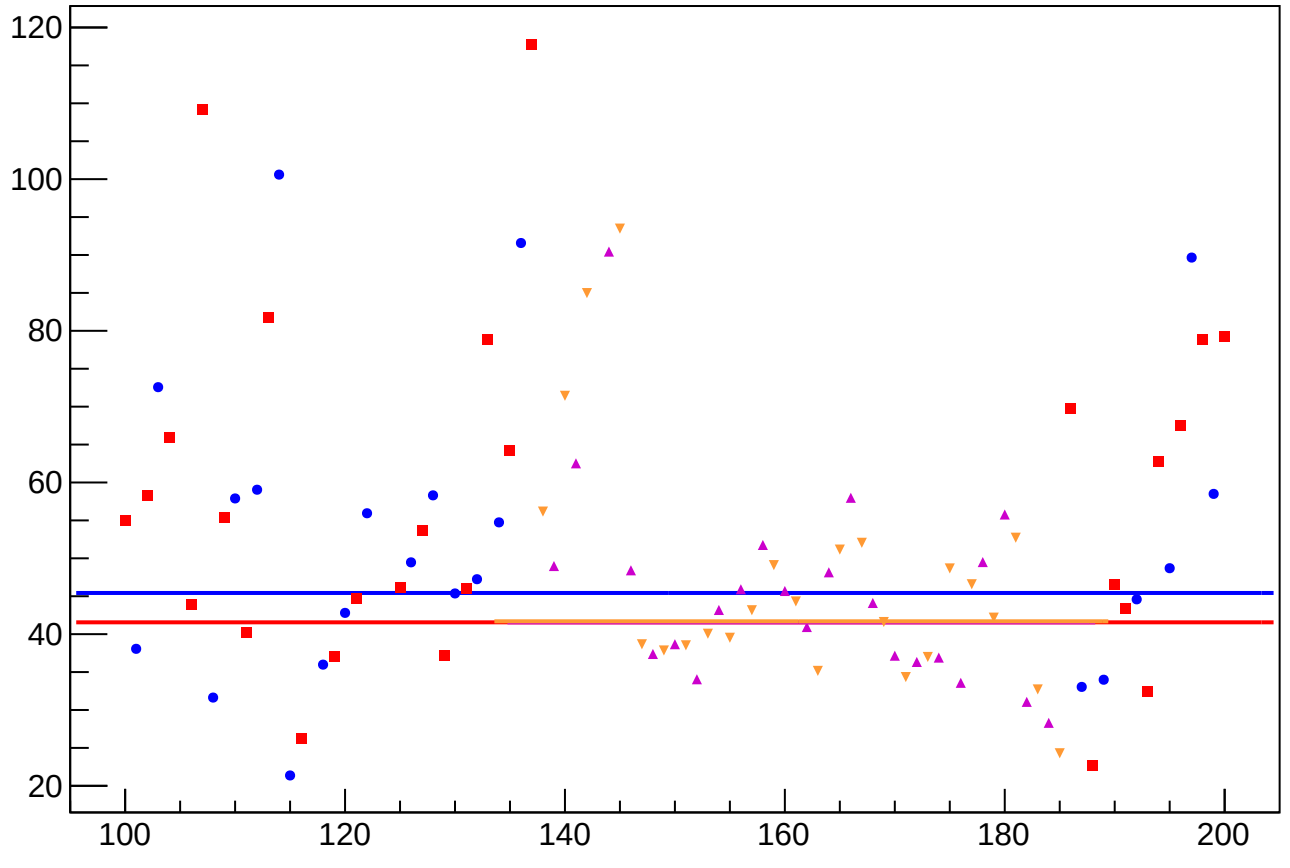
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.3/48

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.009+/-0.006 χ^2/NDF: 109.4/95



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

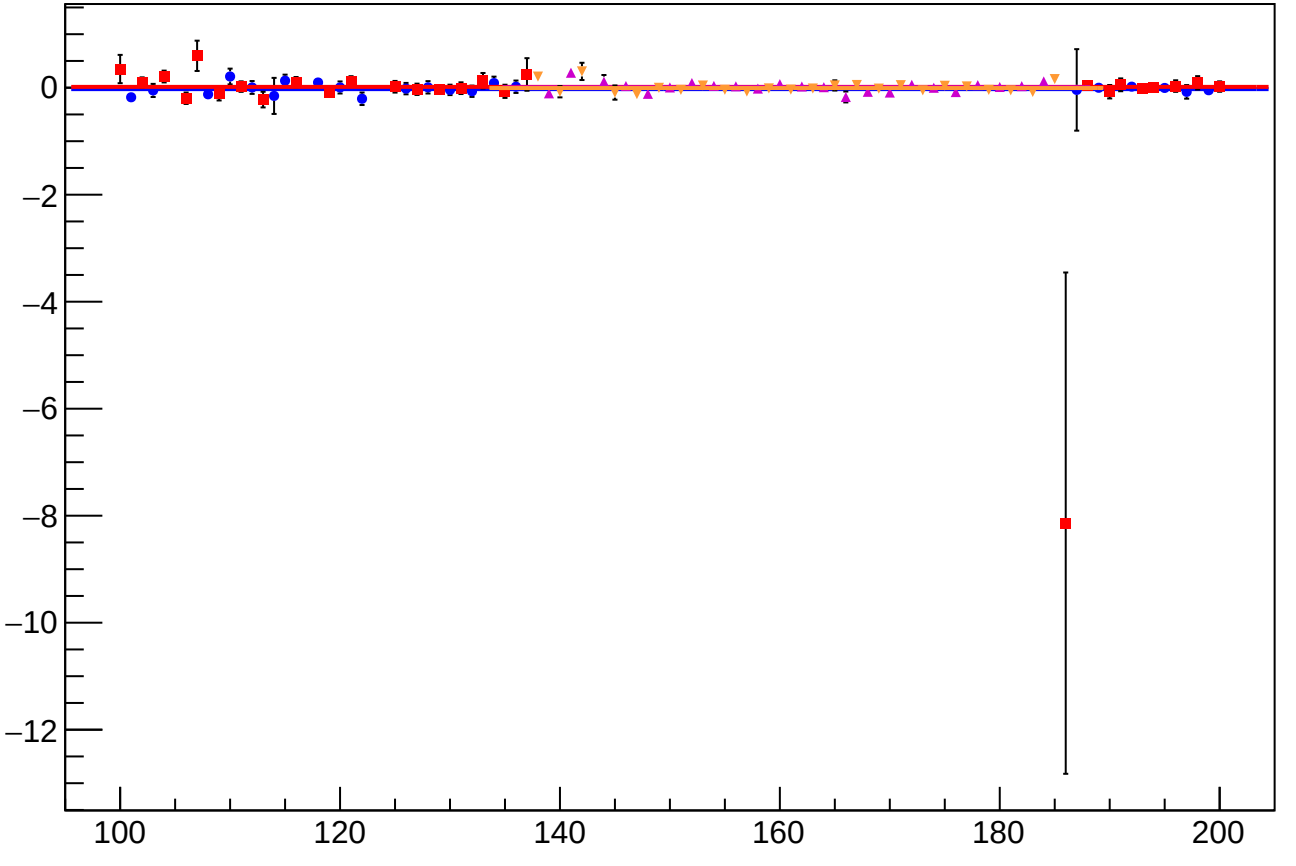
Right: 43.247+/-0.007 χ^2/NDF: 5527306.3/48

In: 42.801+/-0.006 χ^2/NDF:3562151.1/44

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

All: 42.196+/-0.004 χ^2/NDF: 8996178.8/95

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

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

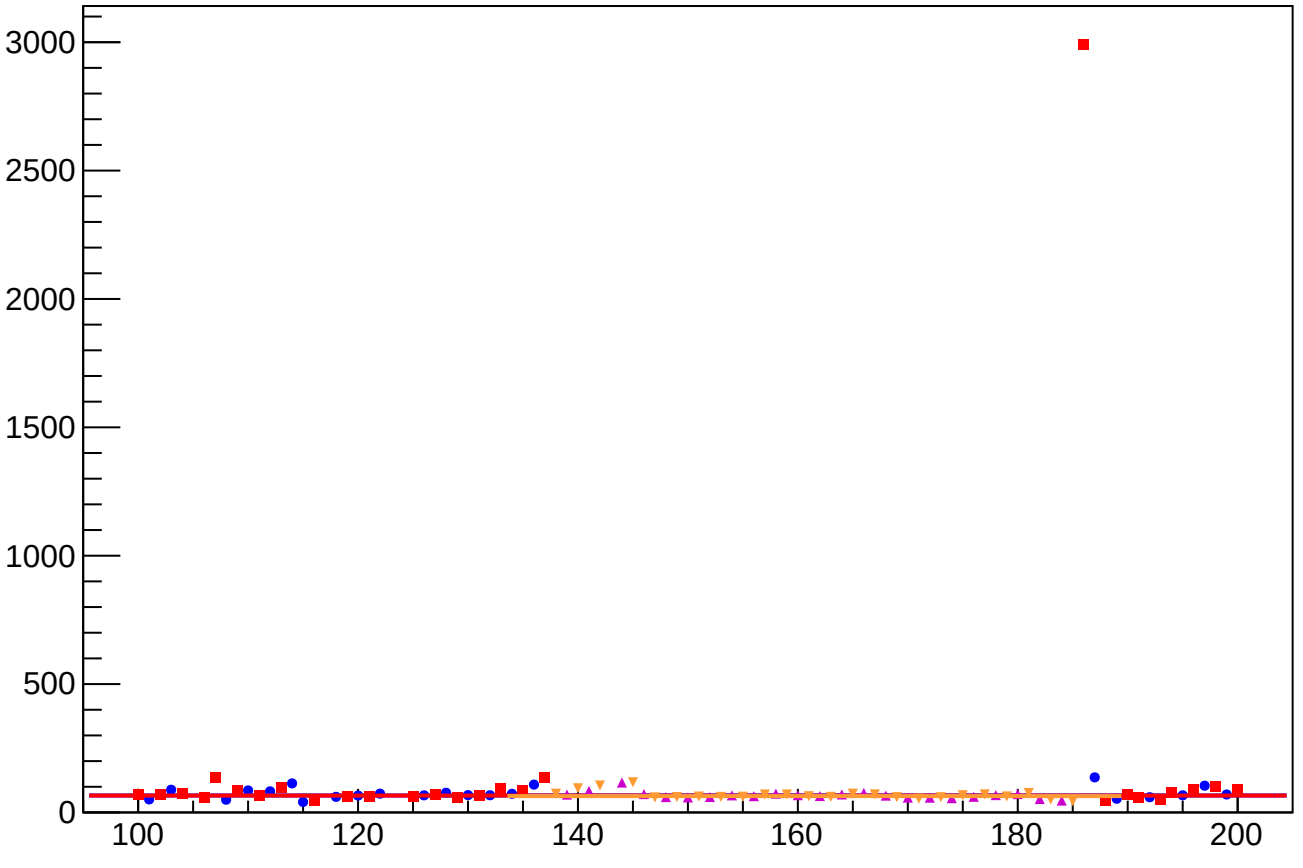
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.014 χ^2/NDF: 47.8/48

In: -0.004+/-0.012 χ^2/NDF:48.4/44

Out: 0.002+/-0.012 χ^2/NDF:51.7/50

All: -0.001+/-0.009 χ^2/NDF: 100.1/95



Right In: 66.227+/-0.015 χ^2/NDF: 1039829.0/21

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

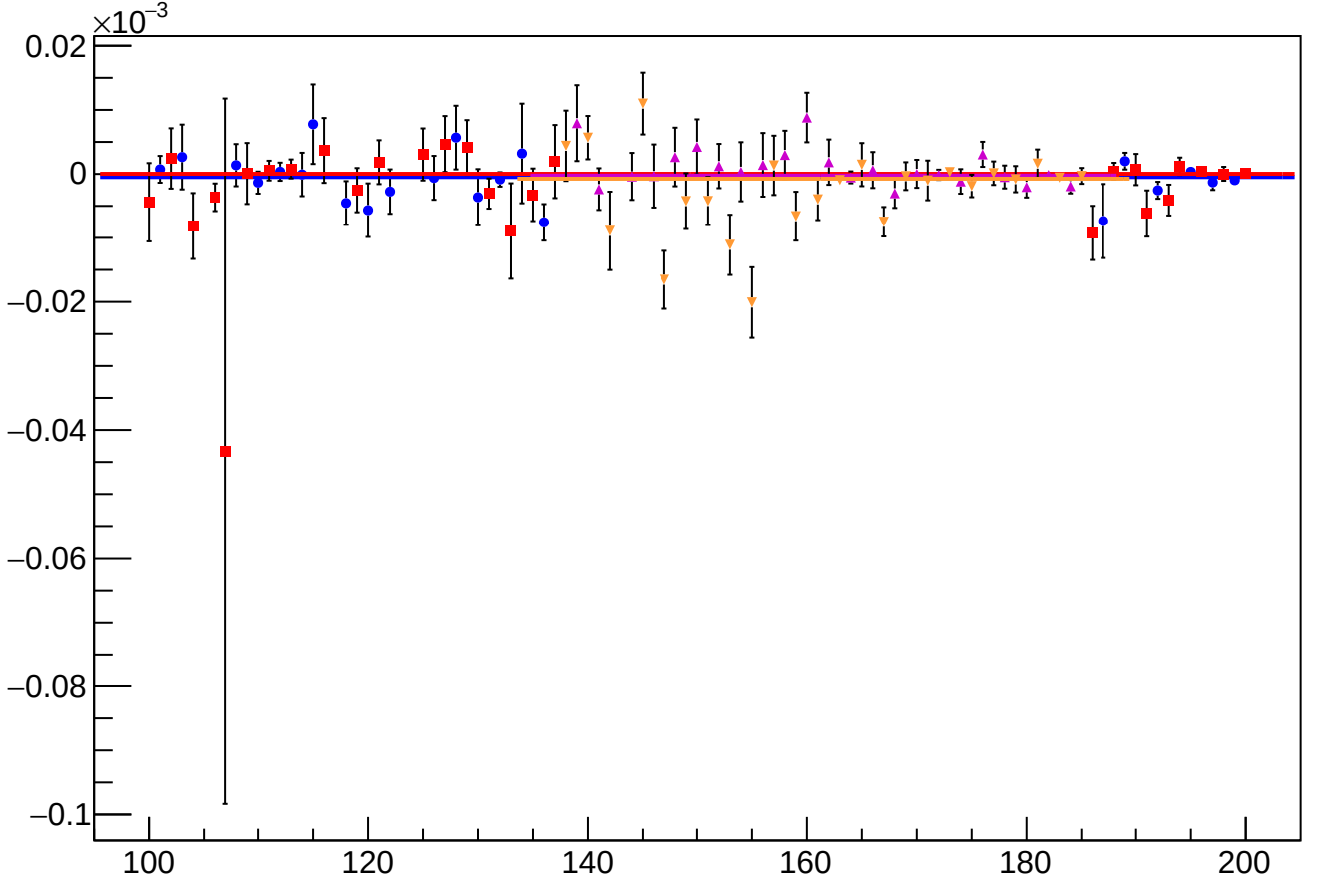
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 65.990+/-0.010 χ^2/NDF: 3315858.1/48

In: 64.802+/-0.009 χ^2/NDF:1892603.2/44

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

All: 64.667+/-0.006 χ^2/NDF: 5260312.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/21

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

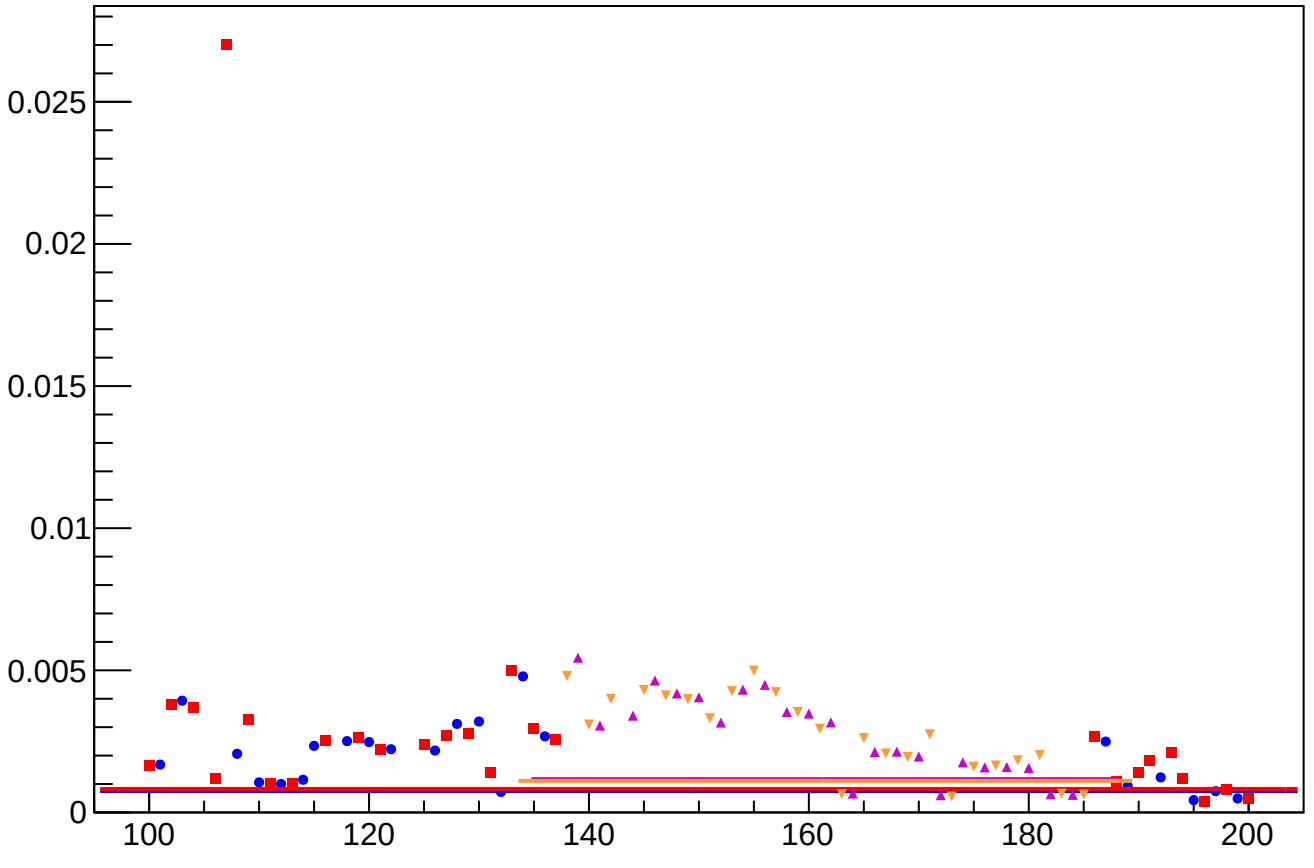
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.4/48

In: -0.000+/-0.000 χ^2/NDF:45.8/44

Out: -0.000+/-0.000 χ^2/NDF:89.9/50

All: -0.000+/-0.000 χ^2/NDF: 135.8/95



Right In: 0.001+/-0.000 χ^2/NDF: 7635080.2/21

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

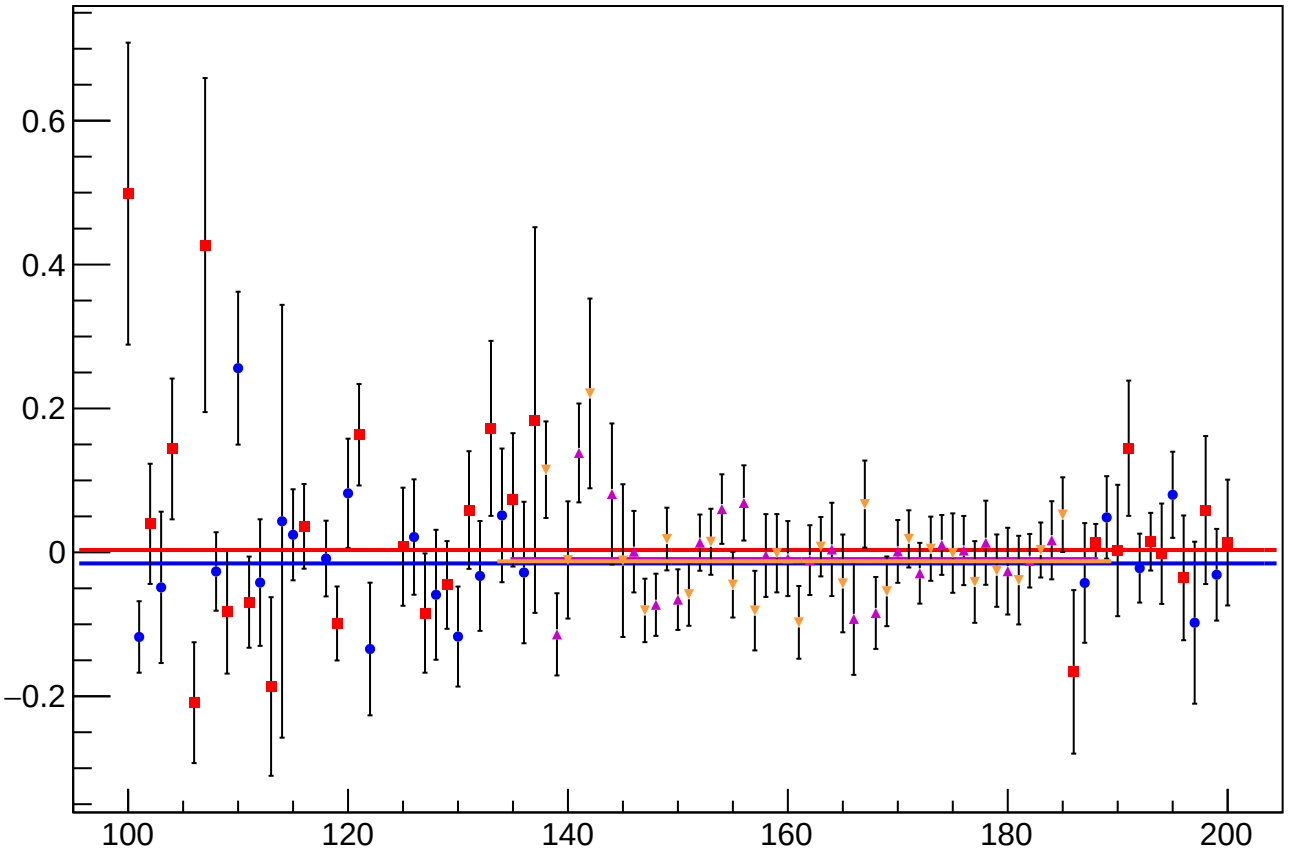
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 17233062.9/48

In: 0.001+/-0.000 χ^2/NDF:23564314.5/44

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

All: 0.001+/-0.000 χ^2/NDF: 49046466.3/95



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

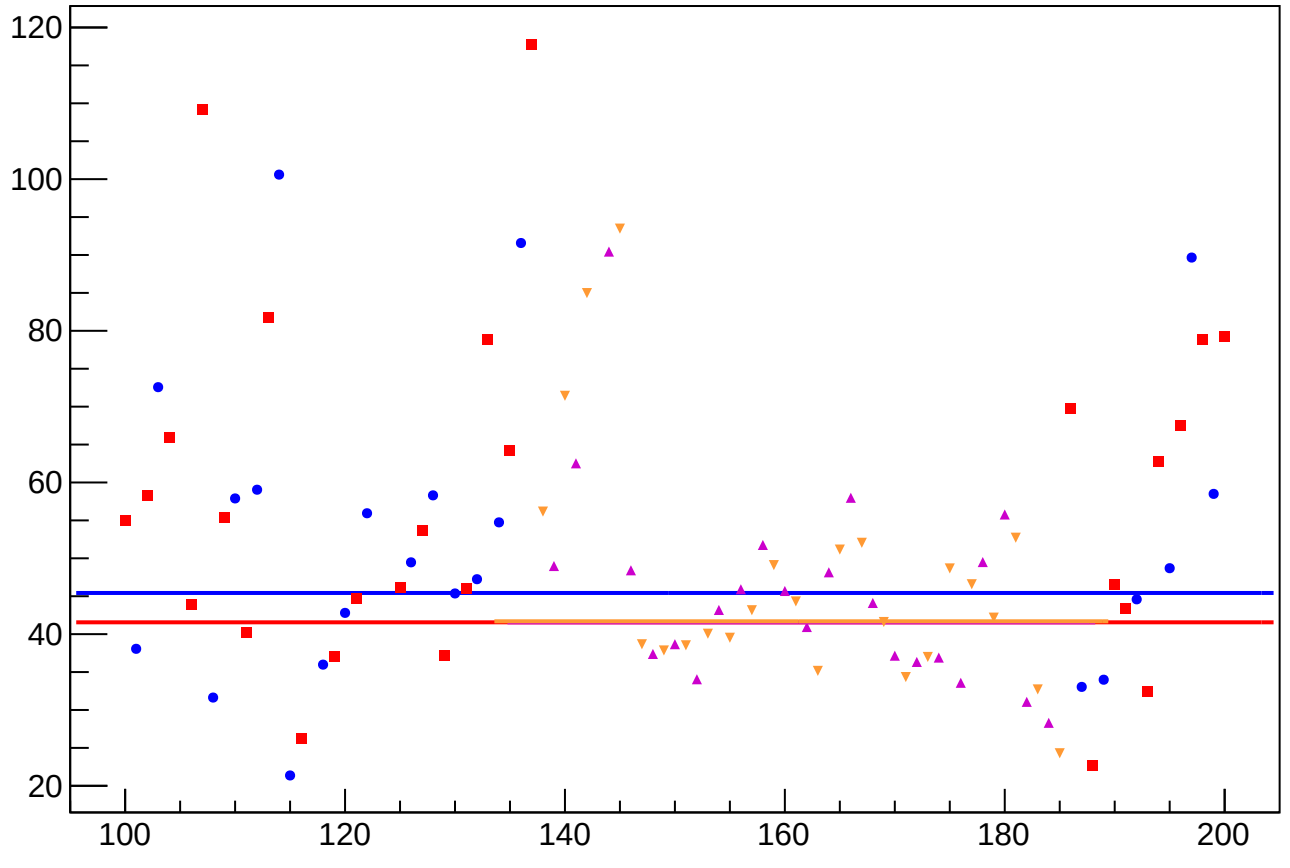
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.3/48

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.006+/-0.008 χ^2/NDF:64.8/50

All: -0.009+/-0.006 χ^2/NDF: 109.4/95



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

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

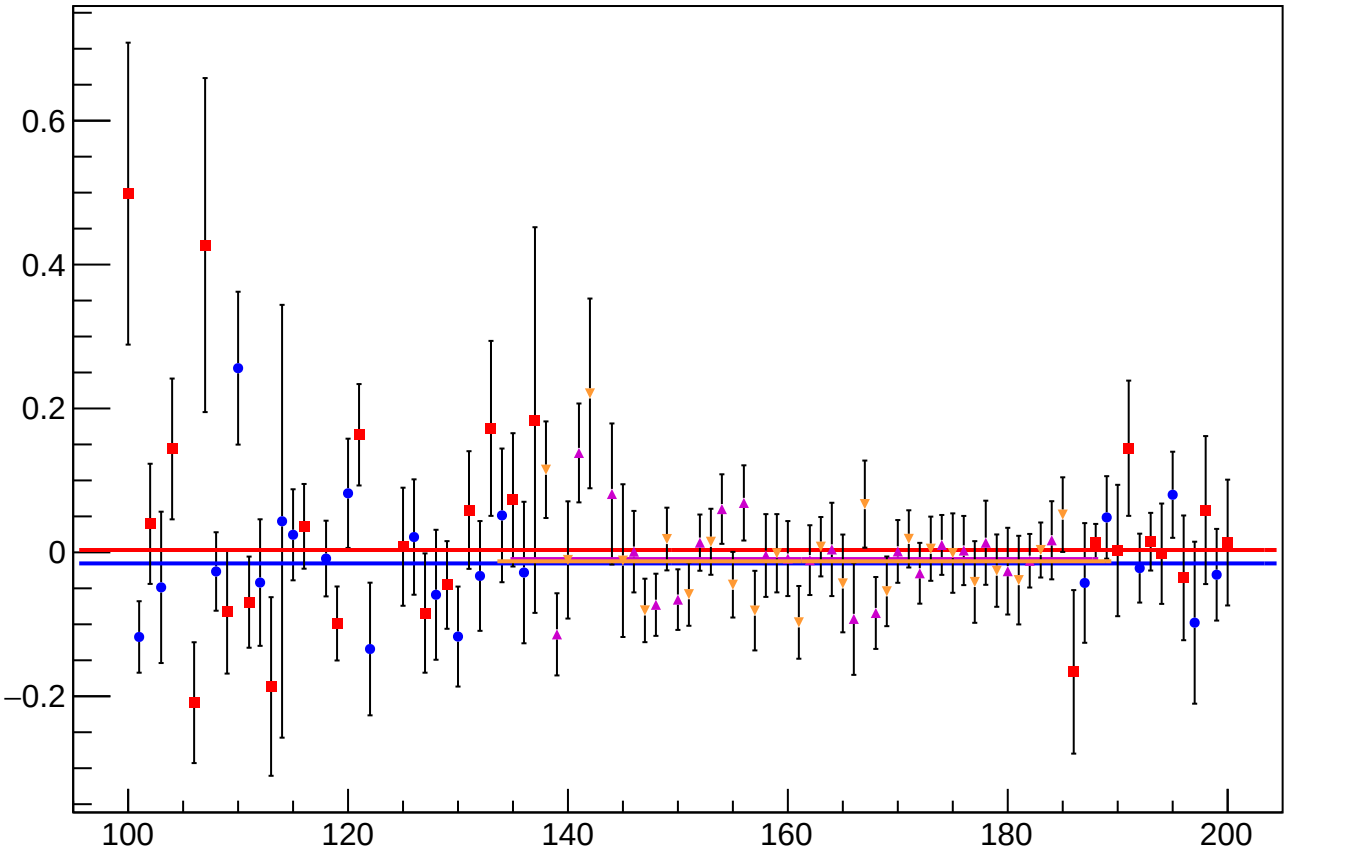
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

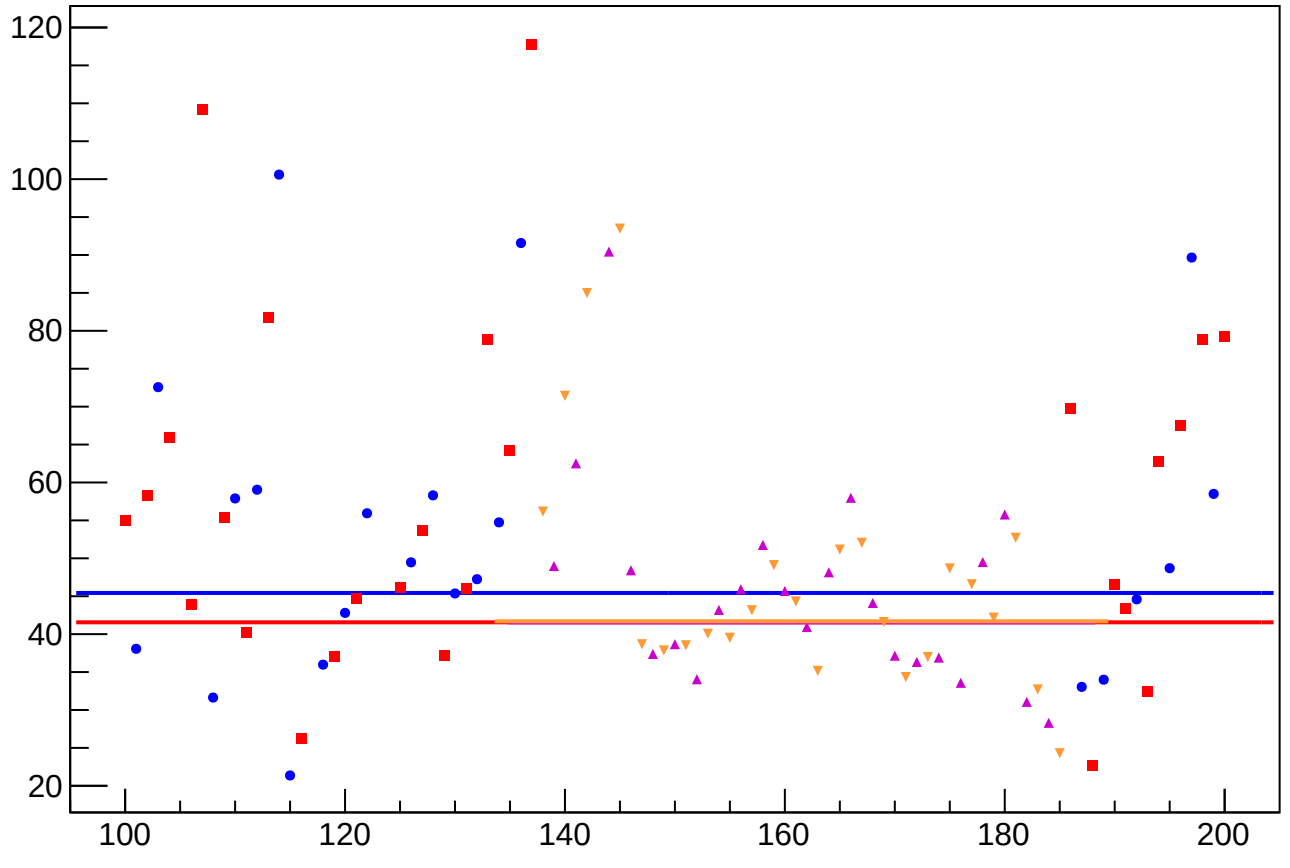
Right: 43.247+/-0.007 χ^2/NDF: 5527167.9/48

In: 42.801+/-0.006 χ^2/NDF:3562150.2/44

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

All: 42.196+/-0.004 χ^2/NDF: 8995948.9/95


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: -0.015+/-0.015 χ²/NDF: 22.4/21
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: -0.005+/-0.010 χ²/NDF: 65.3/48
In: -0.011+/-0.009 χ²/NDF:44.4/44
Out: -0.006+/-0.008 χ²/NDF:64.8/50
All: -0.009+/-0.006 χ²/NDF: 109.4/95



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

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

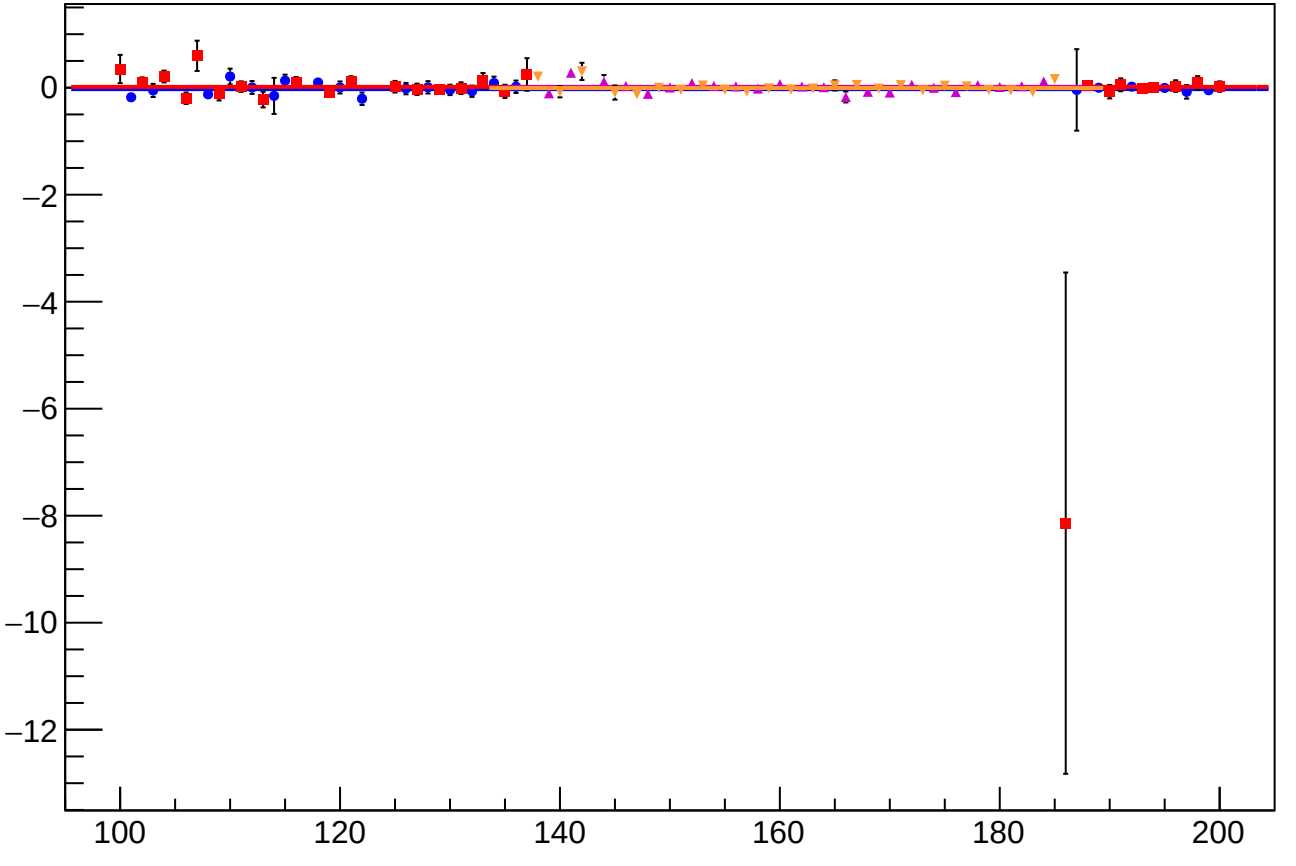
Right: 43.247+/-0.007 χ^2/NDF: 5527167.9/48

In: 42.801+/-0.006 χ^2/NDF:3562150.2/44

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

All: 42.196+/-0.004 χ^2/NDF: 8995948.9/95

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

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

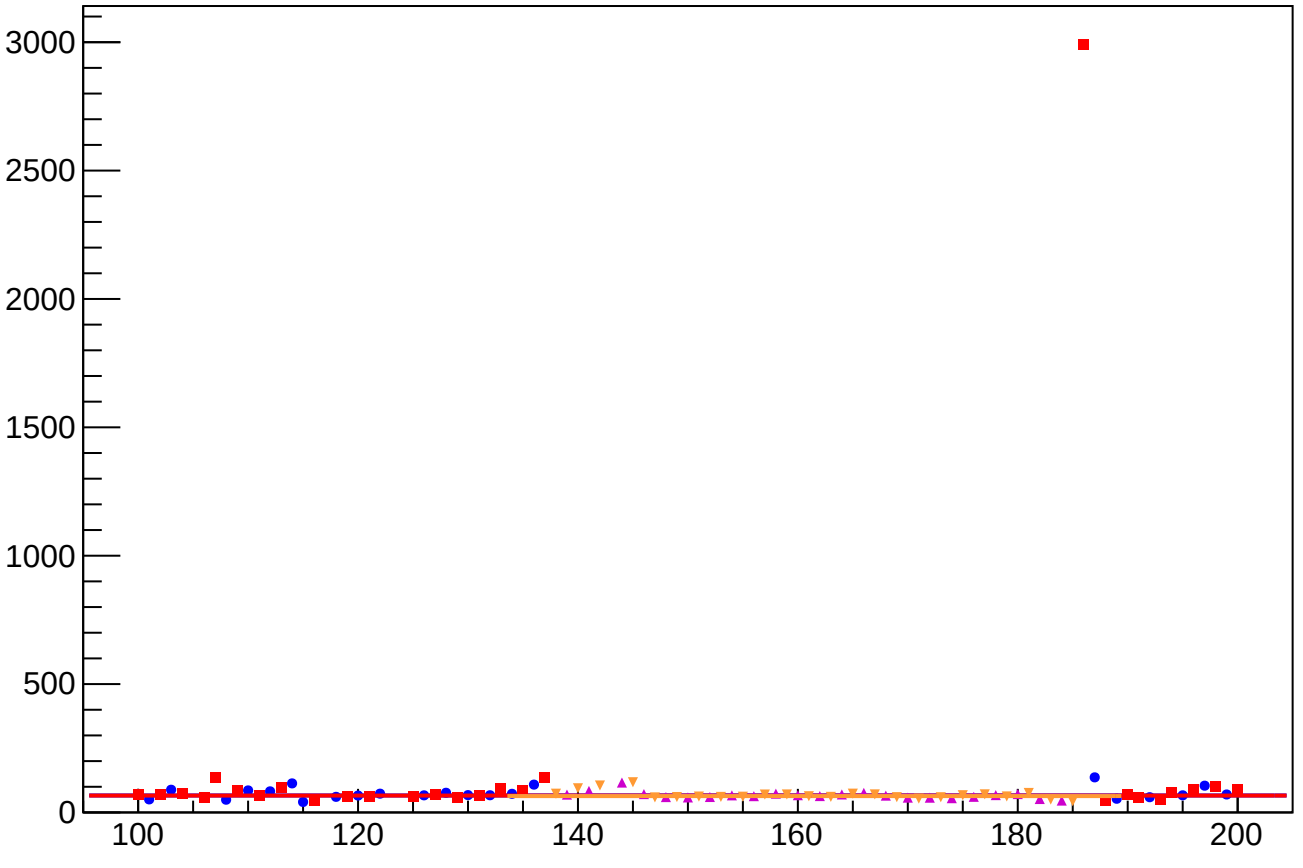
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.014 χ^2/NDF: 47.8/48

In: -0.004+/-0.012 χ^2/NDF:48.4/44

Out: 0.002+/-0.012 χ^2/NDF:51.7/50

All: -0.001+/-0.009 χ^2/NDF: 100.1/95



Right In: 66.227+/-0.015 χ^2/NDF: 1039842.1/21

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

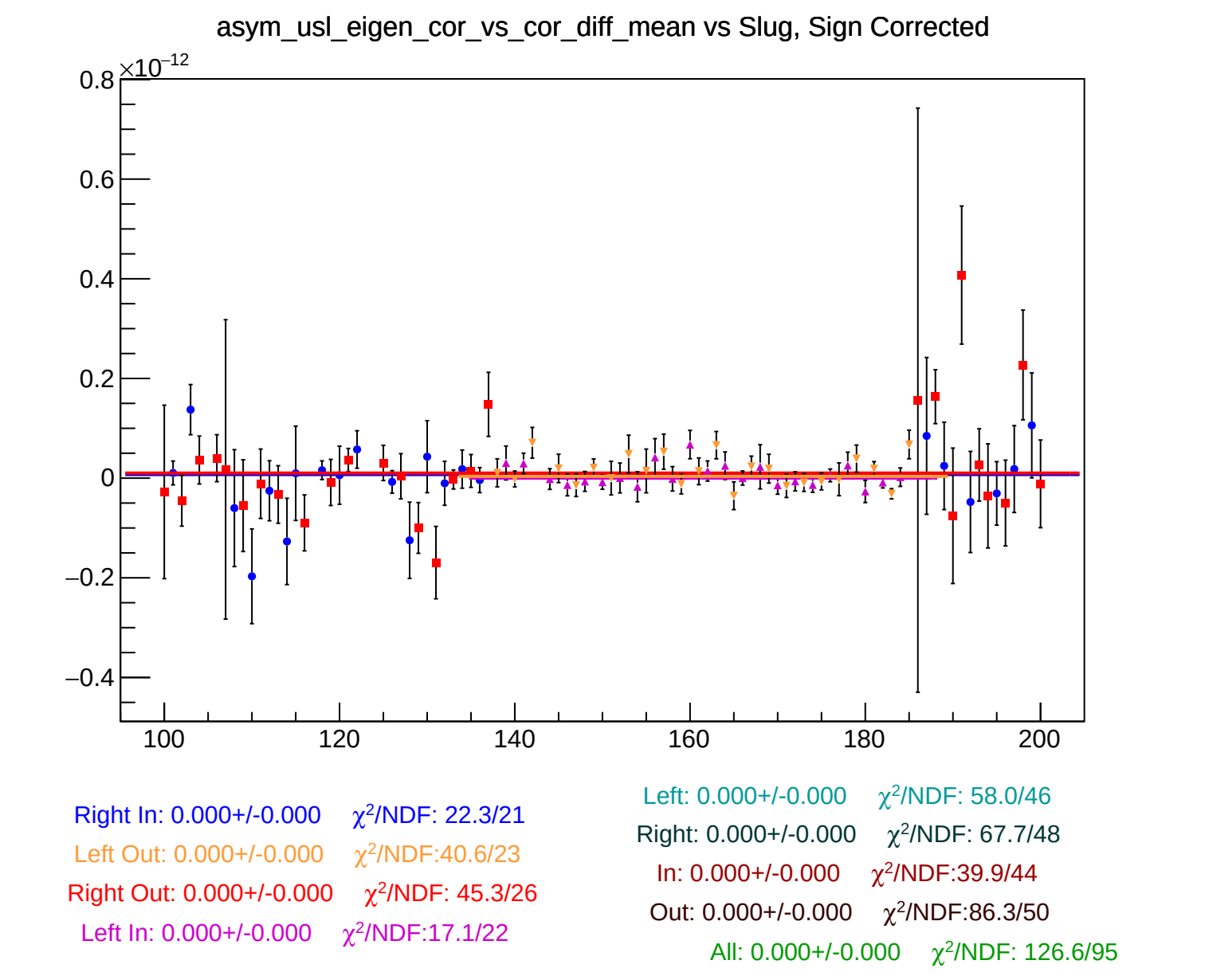
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

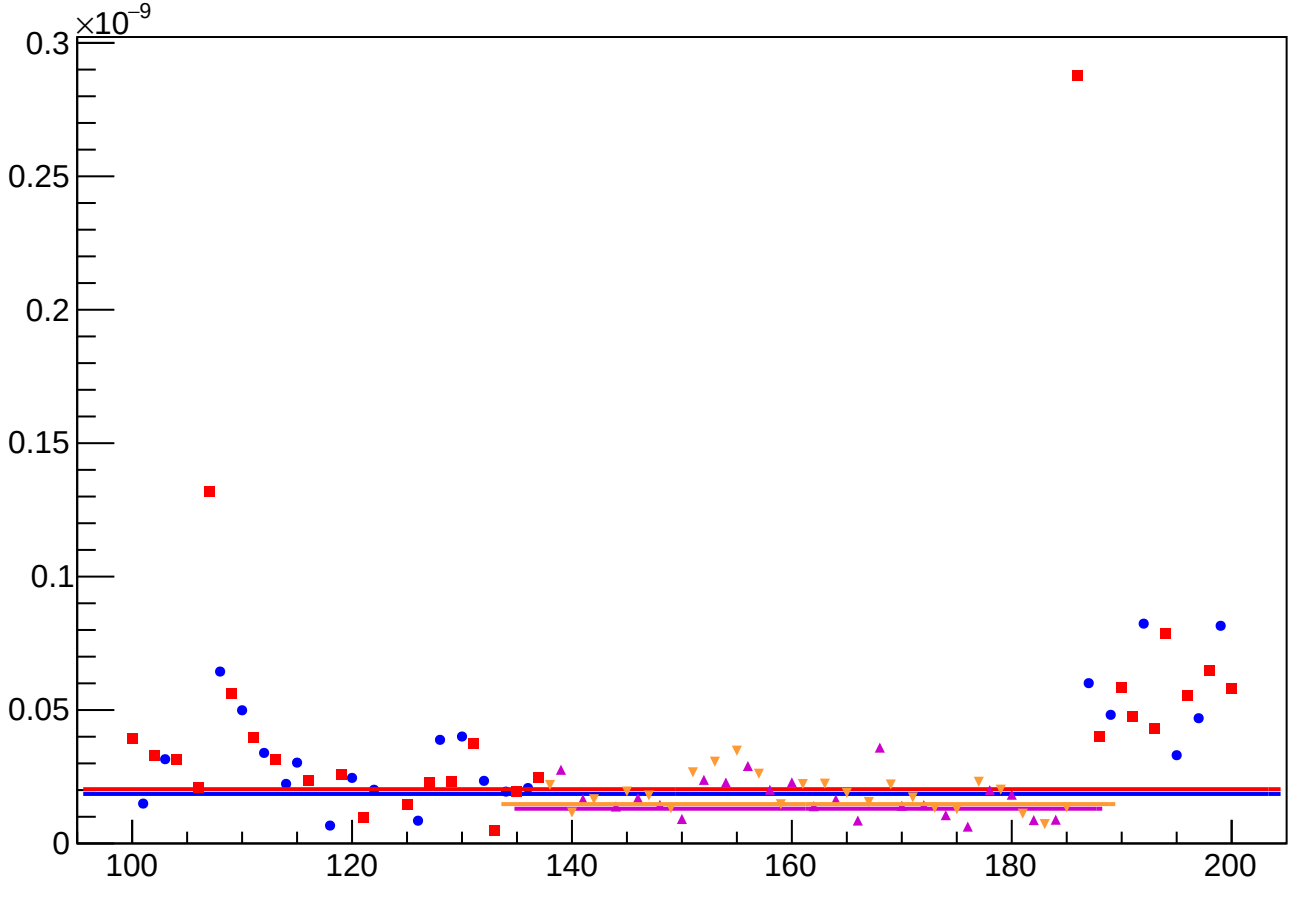
Right: 65.990+/-0.010 χ^2/NDF: 3315855.4/48

In: 64.802+/-0.009 χ^2/NDF:1892605.7/44

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

All: 64.667+/-0.006 χ^2/NDF: 5260281.0/95


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.3/21
Left Out: 0.000+/-0.000 χ²/NDF:40.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 45.3/26
Left In: 0.000+/-0.000 χ²/NDF:17.1/22
Left: 0.000+/-0.000 χ²/NDF: 58.0/46
Right: 0.000+/-0.000 χ²/NDF: 67.7/48
In: 0.000+/-0.000 χ²/NDF:39.9/44
Out: 0.000+/-0.000 χ²/NDF:86.3/50
All: 0.000+/-0.000 χ²/NDF: 126.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 4642694.5/21

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

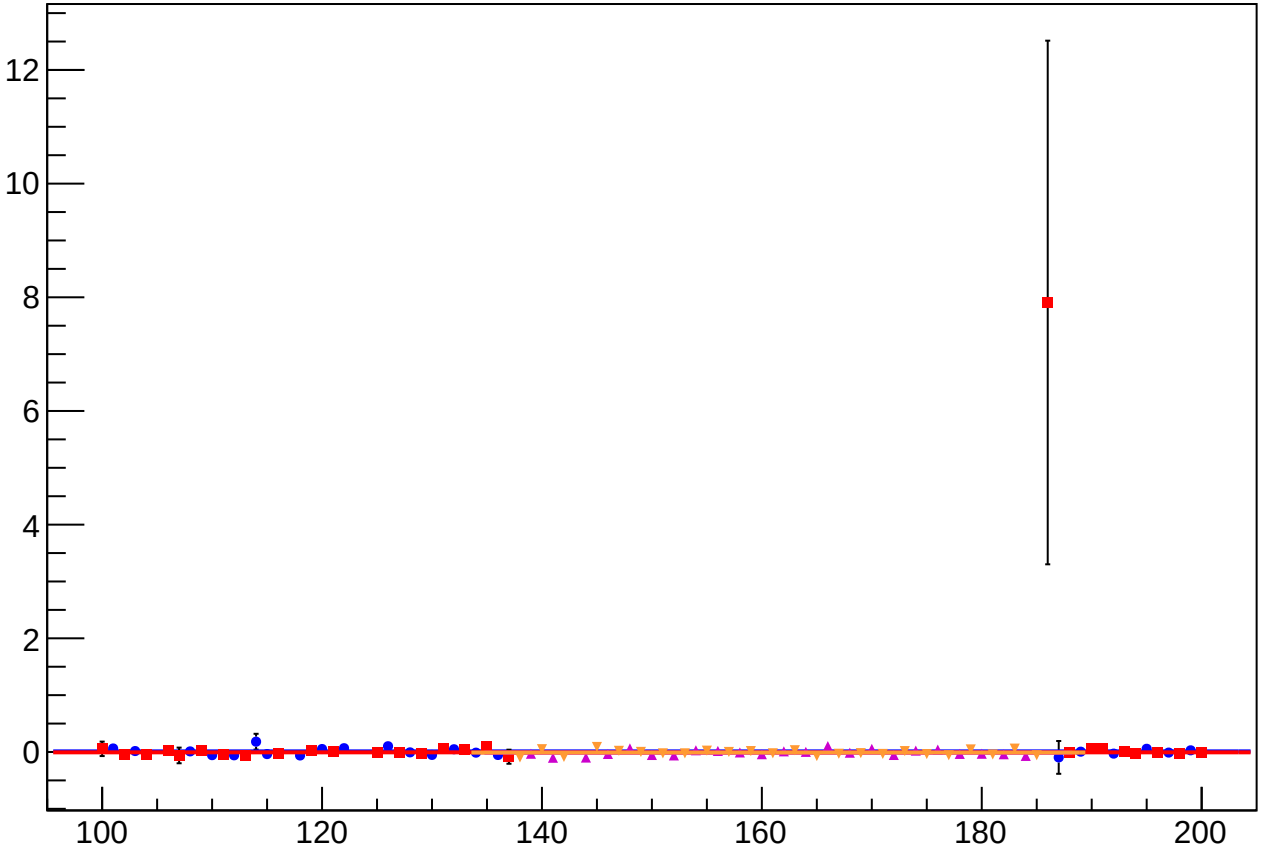
Right: 0.000+/-0.000 χ^2/NDF: 10448930.2/48

In: 0.000+/-0.000 χ^2/NDF:9208326.4/44

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

All: 0.000+/-0.000 χ^2/NDF: 19314672.1/95

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

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

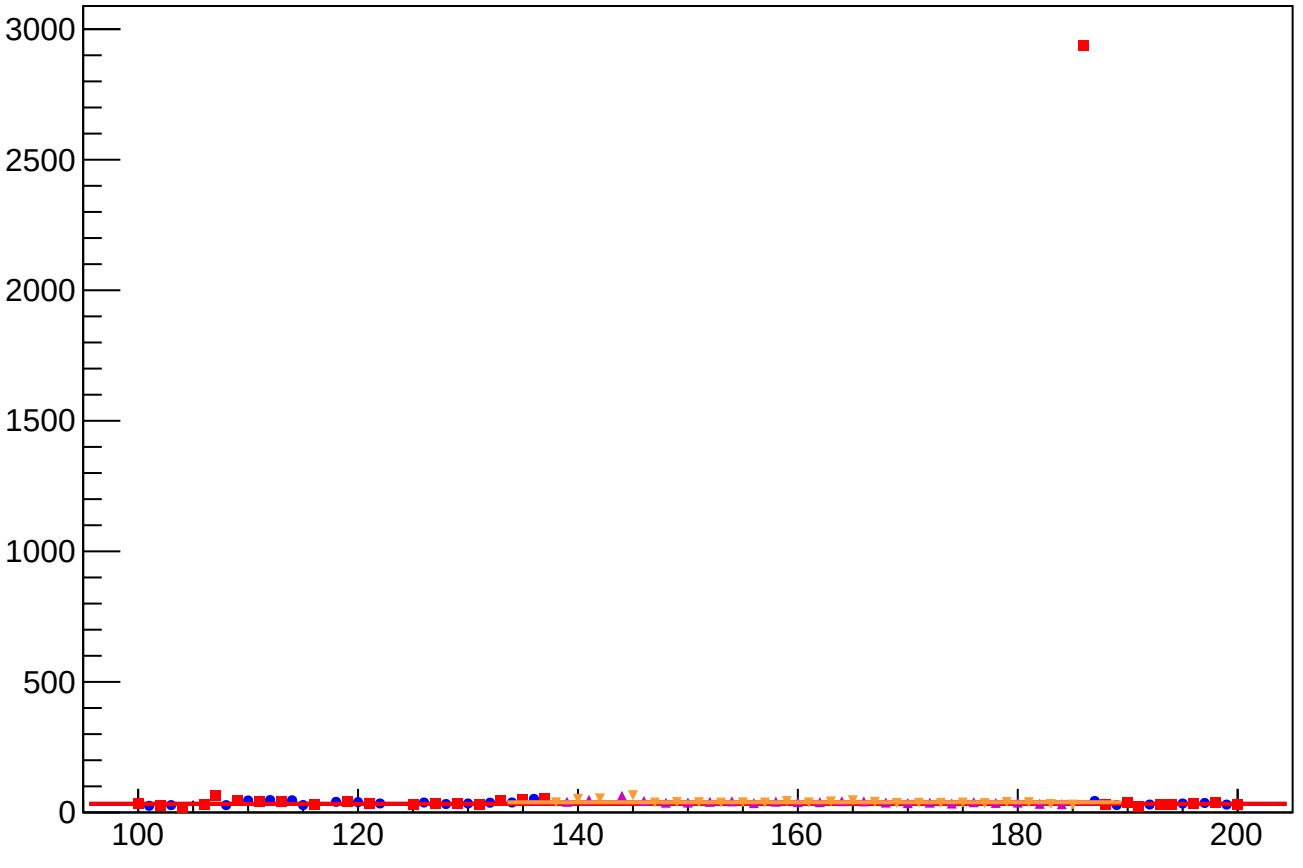
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.002+/-0.007 χ^2/NDF: 36.3/48

In: -0.001+/-0.007 χ^2/NDF:44.1/44

Out: -0.008+/-0.007 χ^2/NDF:36.0/50

All: -0.005+/-0.005 χ^2/NDF: 80.5/95



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

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

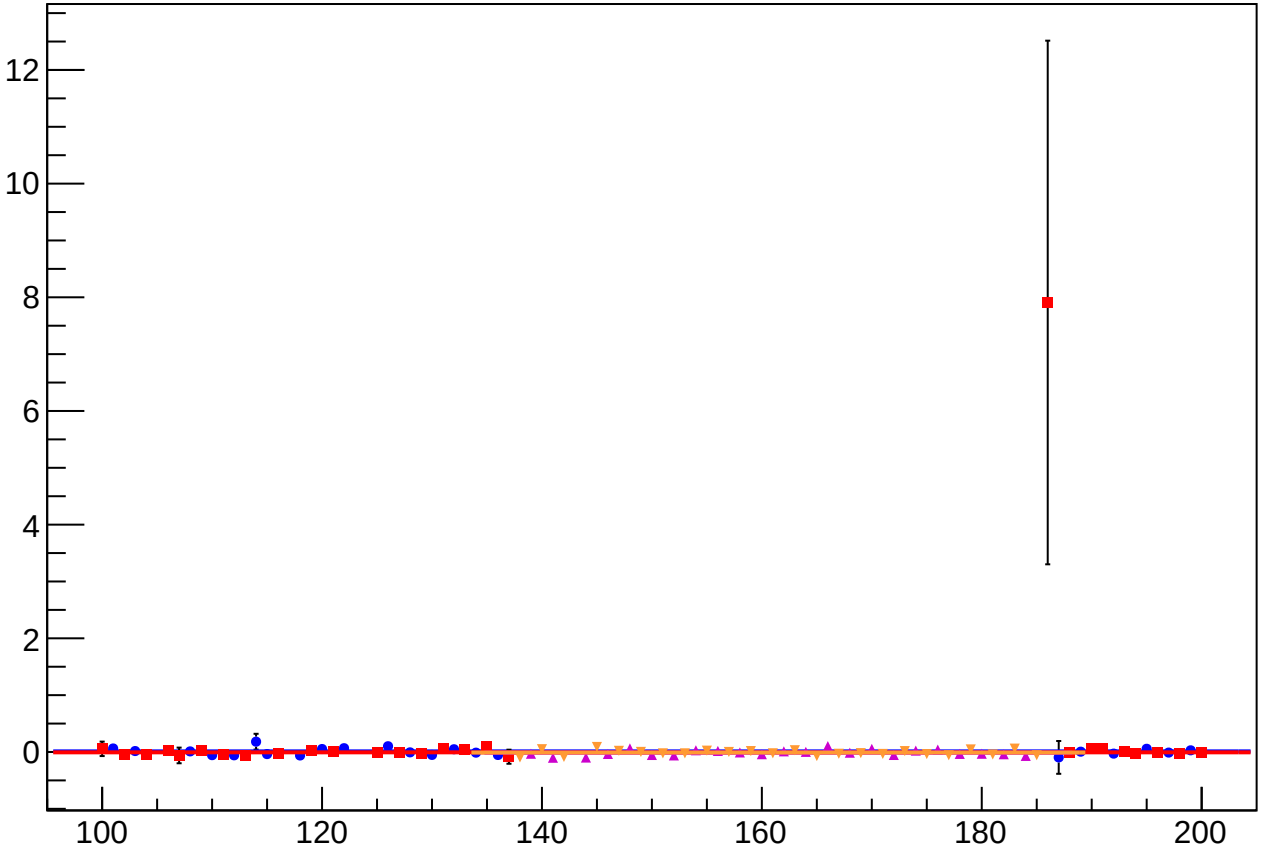
Right: 33.043+/-0.005 χ^2/NDF: 2563800.6/48

In: 36.495+/-0.005 χ^2/NDF:1588436.9/44

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

All: 36.233+/-0.003 χ^2/NDF: 4468487.9/95

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

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

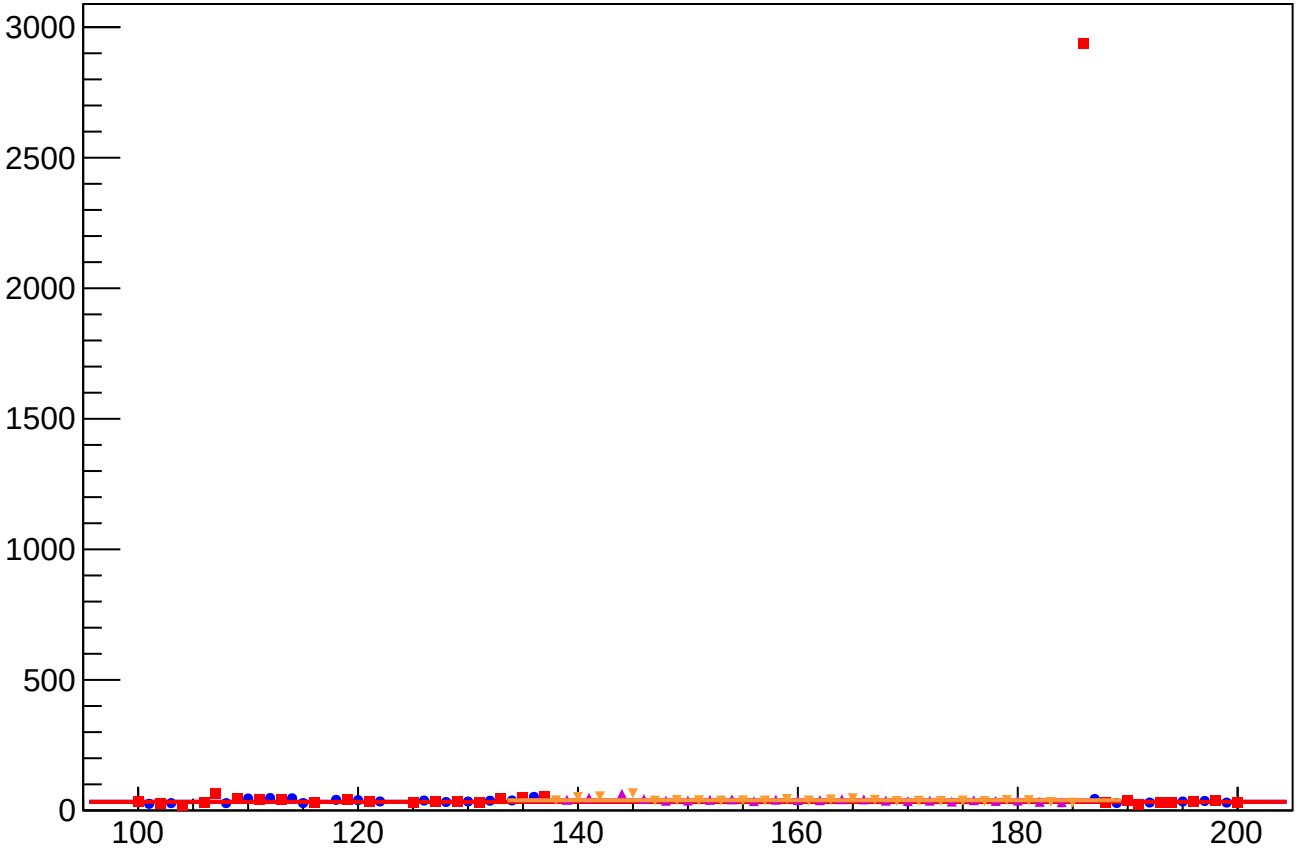
Right: 0.002+/-0.007 χ^2/NDF: 36.3/48

In: -0.001+/-0.007 χ^2/NDF:44.1/44

Out: -0.008+/-0.007 χ^2/NDF:36.0/50

All: -0.005+/-0.005 χ^2/NDF: 80.5/95

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

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

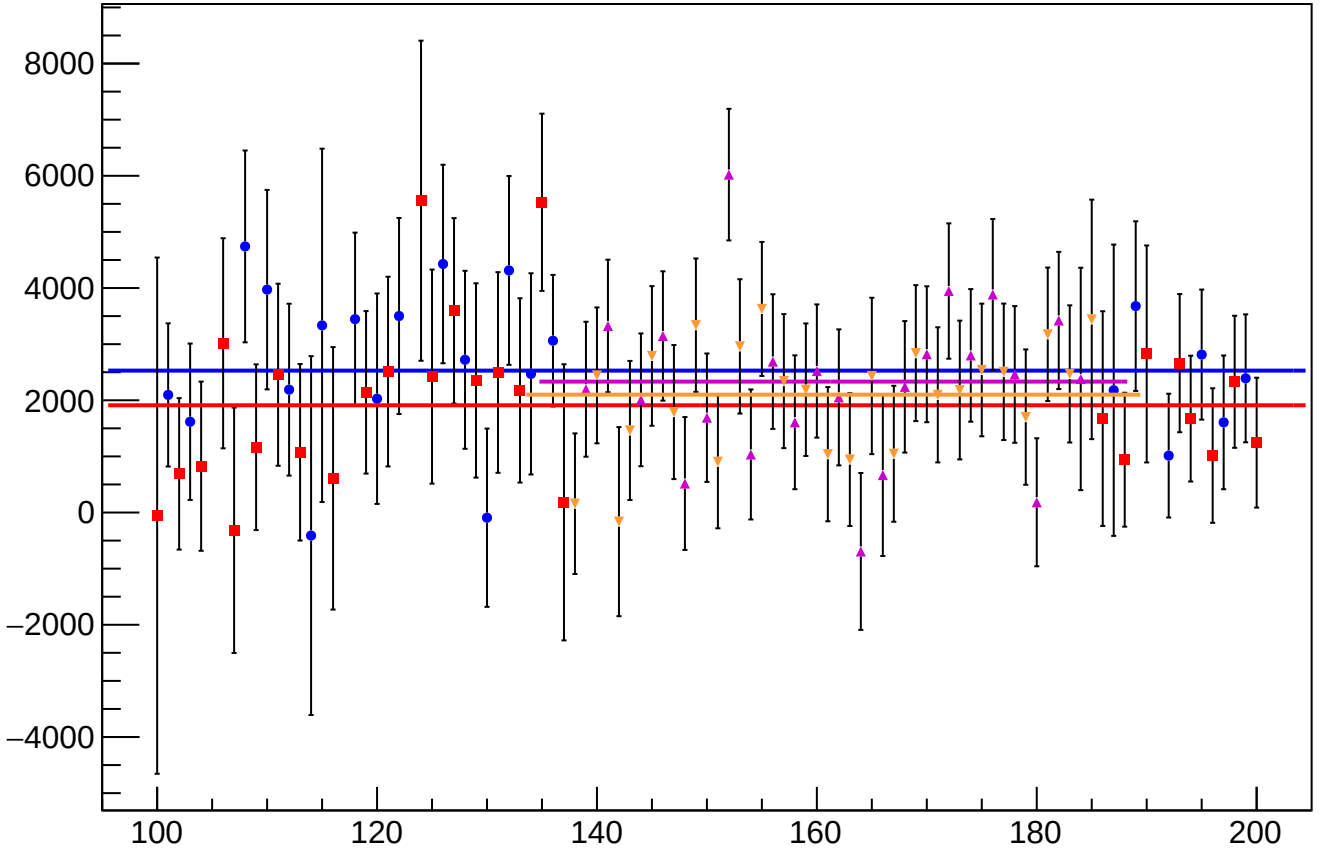
Right: 33.043+/-0.005 χ^2/NDF: 2563800.6/48

In: 36.495+/-0.005 χ^2/NDF:1588436.9/44

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

All: 36.233+/-0.003 χ^2/NDF: 4468487.9/95

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

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

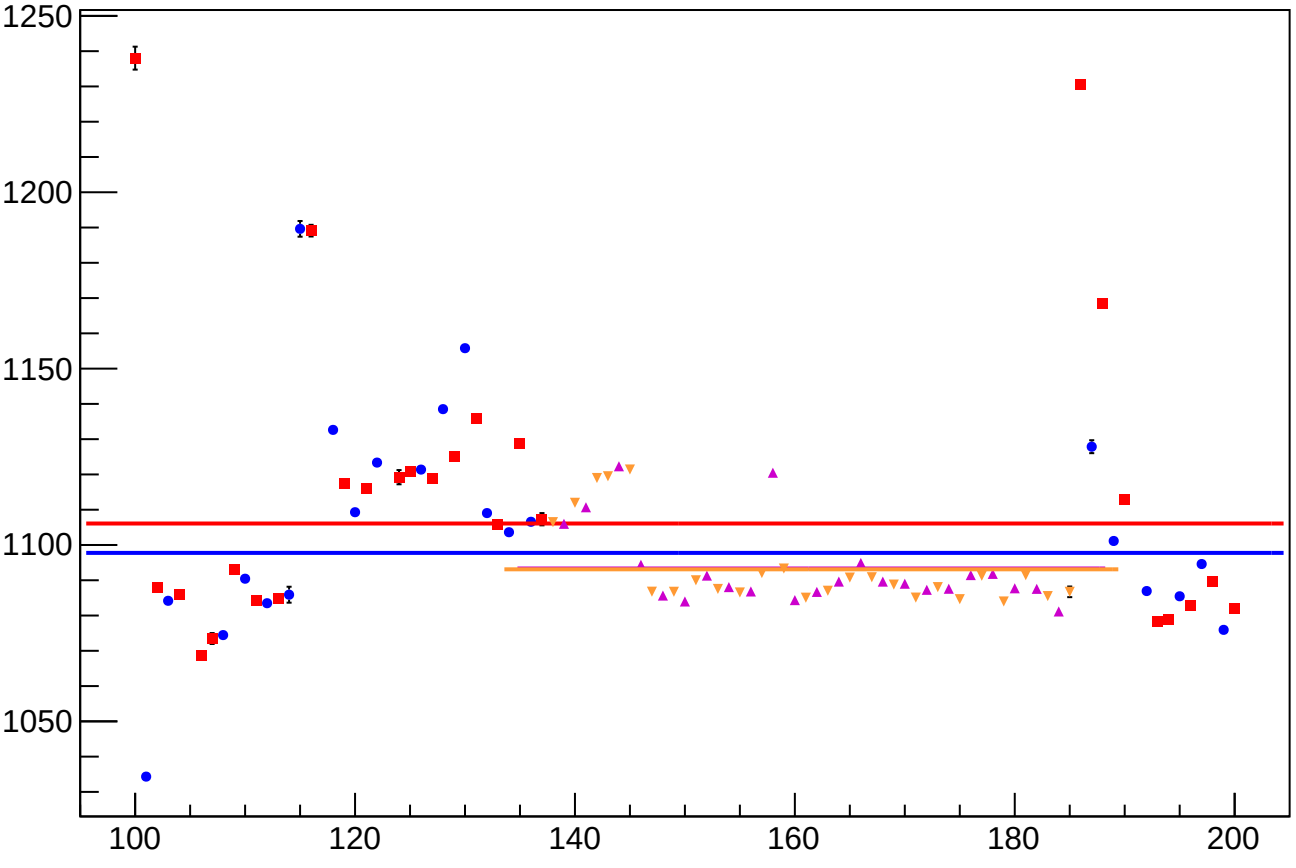
Right: 2198.672+/-220.449 χ^2/NDF: 29.9/48

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

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

All: 2207.620+/-138.488 χ^2/NDF: 73.7/96

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

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

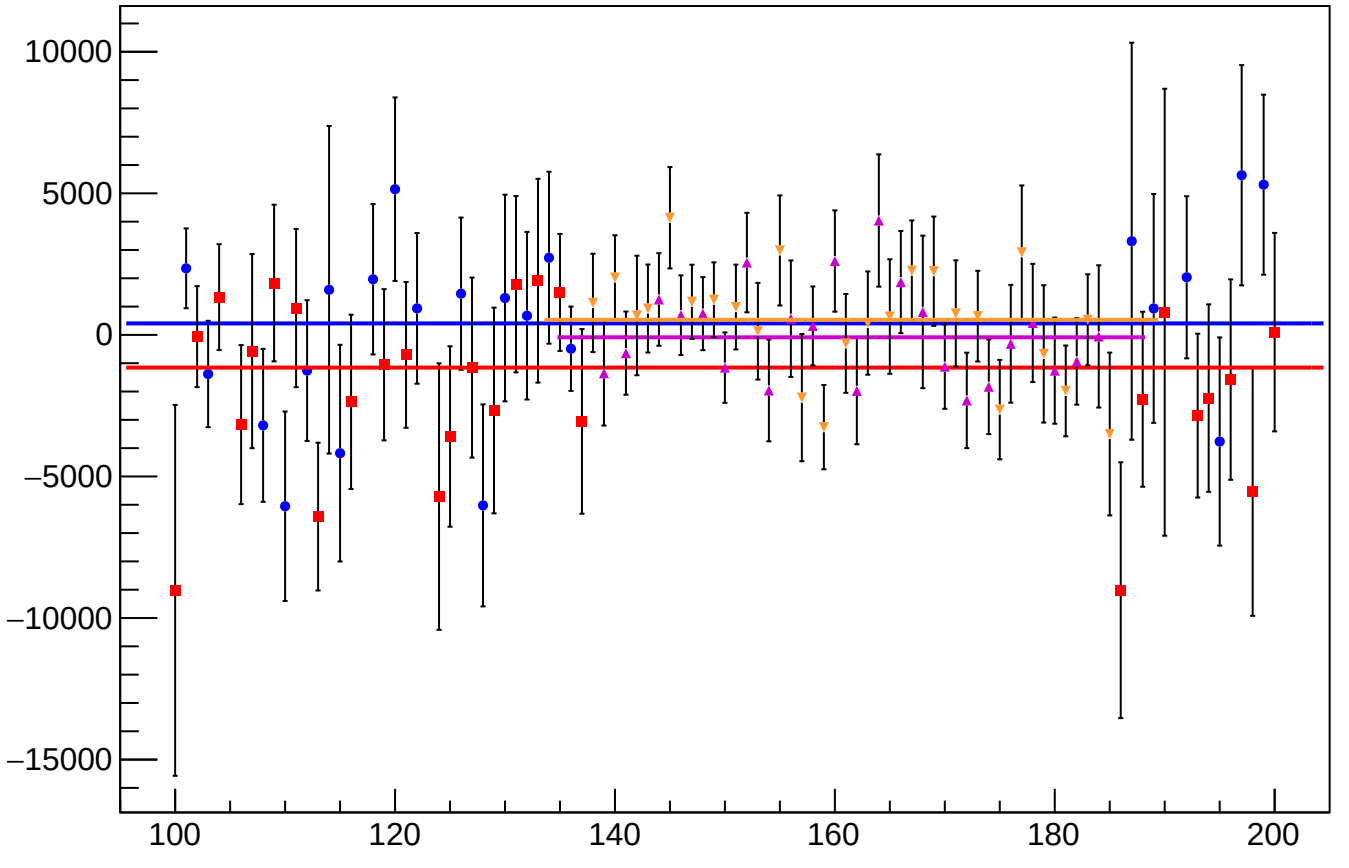
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.211+/-0.156 χ^2/NDF: 42556.5/48

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

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

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

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

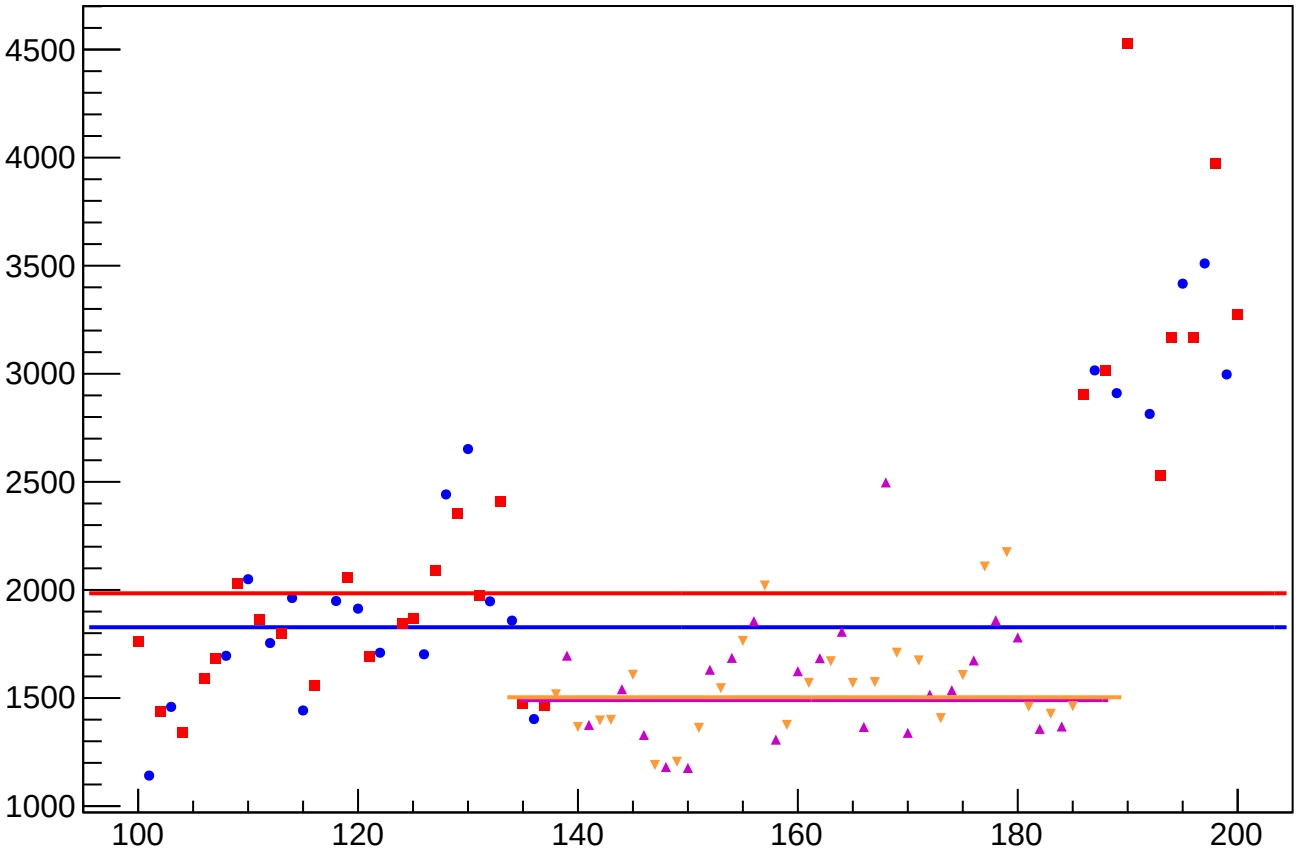
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -374.075+/-404.281 χ^2/NDF: 47.1/48

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 64.784+/-211.310 χ^2/NDF: 94.8/96



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

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

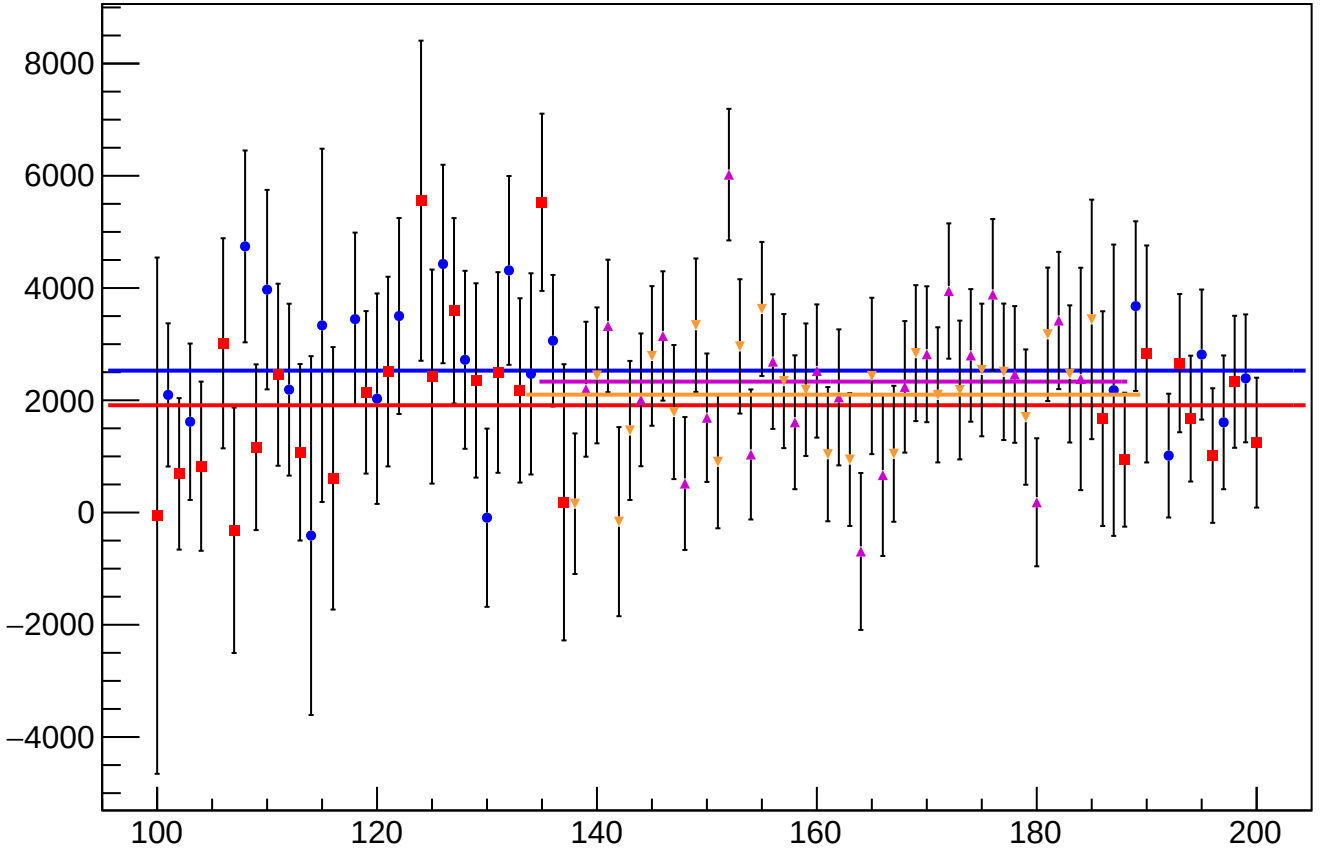
Right: 1905.951+/-0.286 χ^2/NDF: 4998573.0/48

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

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

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

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

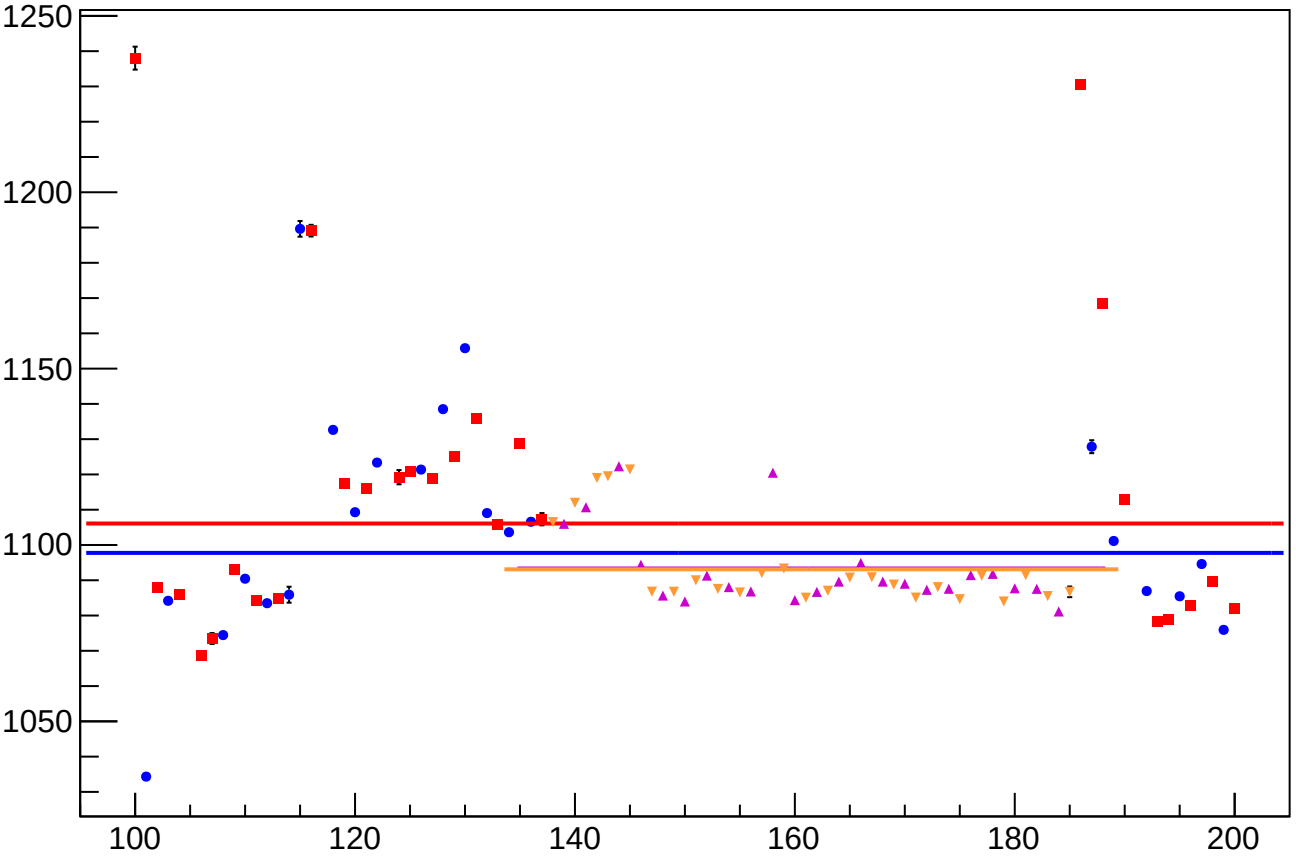
Right: 2198.672+/-220.449 χ^2/NDF: 29.9/48

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

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

All: 2207.620+/-138.488 χ^2/NDF: 73.7/96

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

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

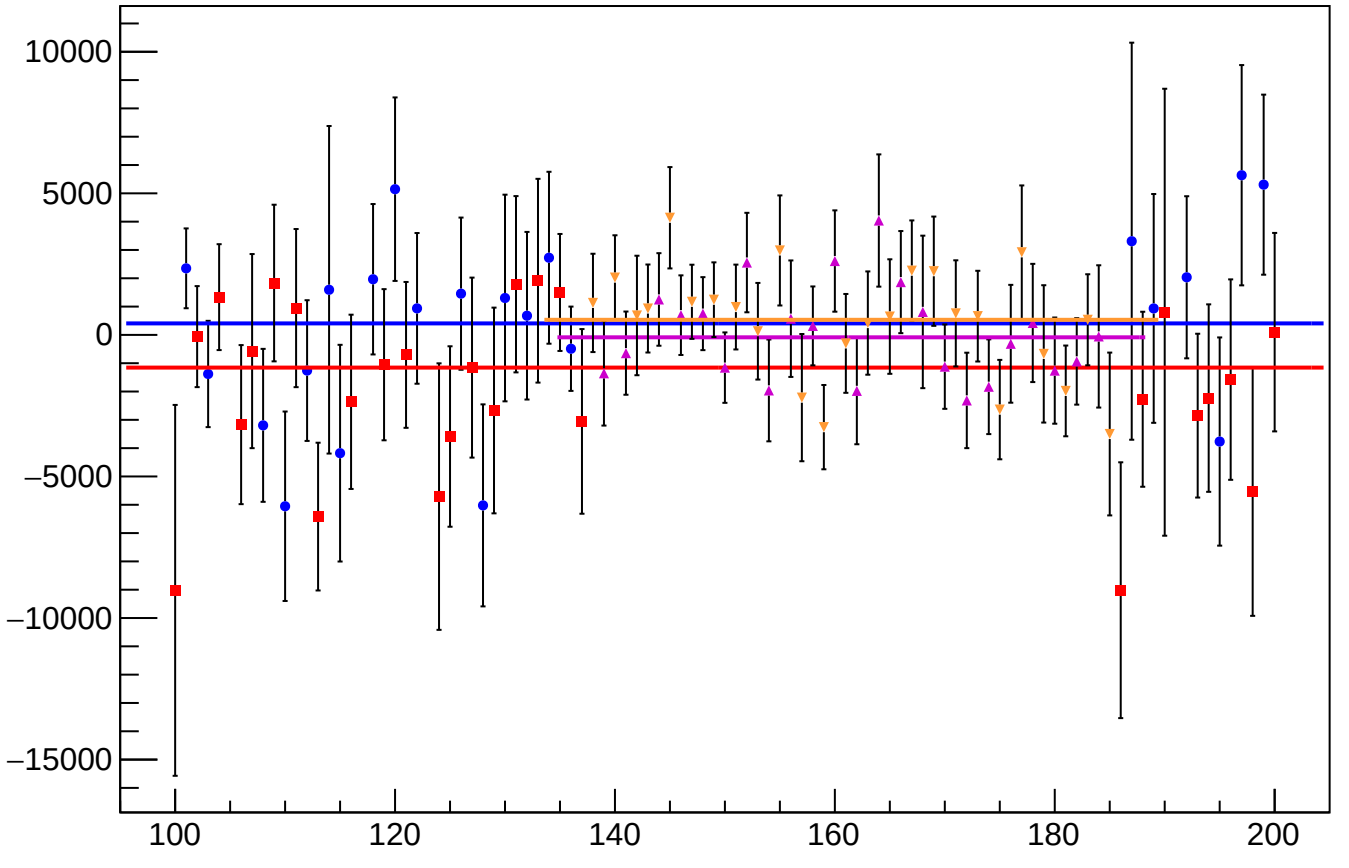
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.211+/-0.156 χ^2/NDF: 42556.5/48

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

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

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

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

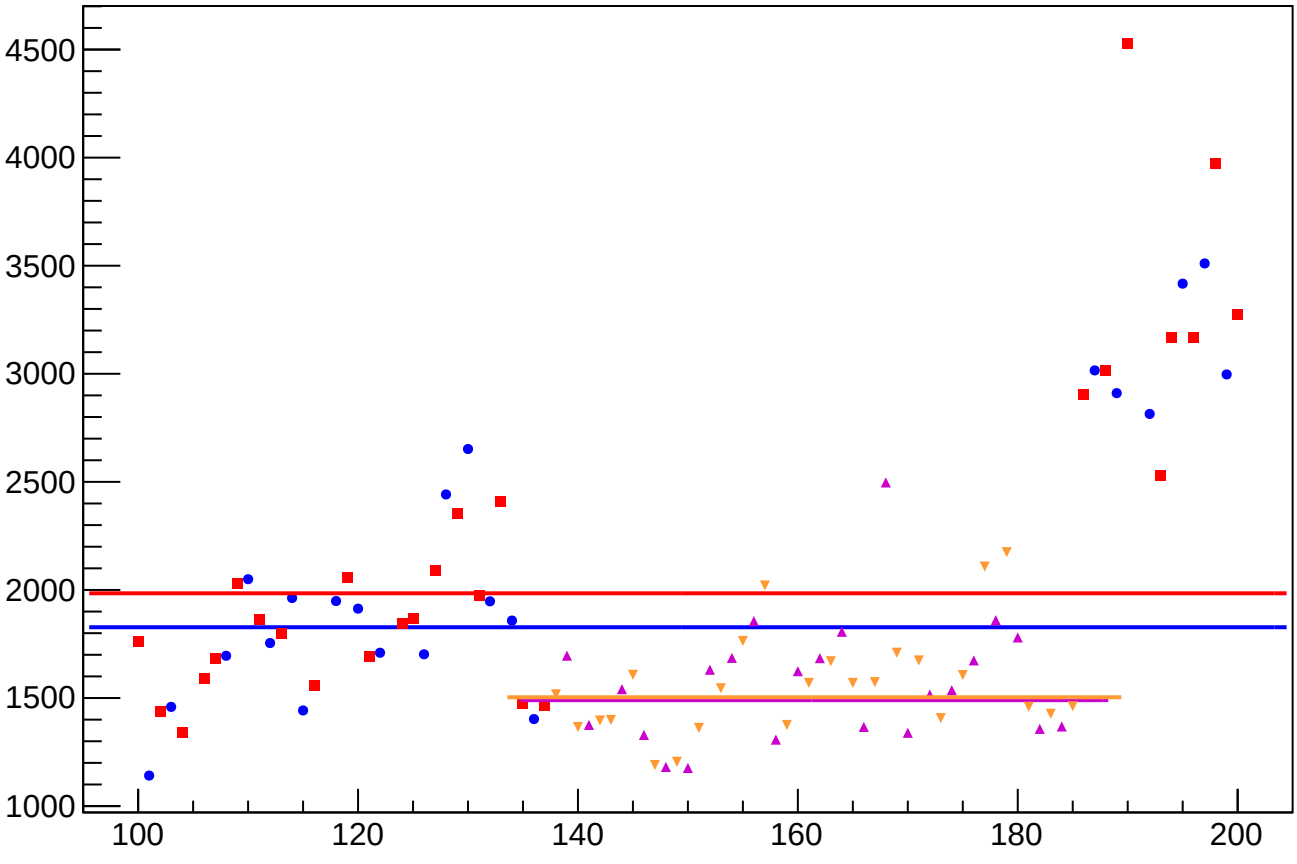
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -374.075+/-404.281 χ^2/NDF: 47.1/48

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 64.784+/-211.310 χ^2/NDF: 94.8/96



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

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

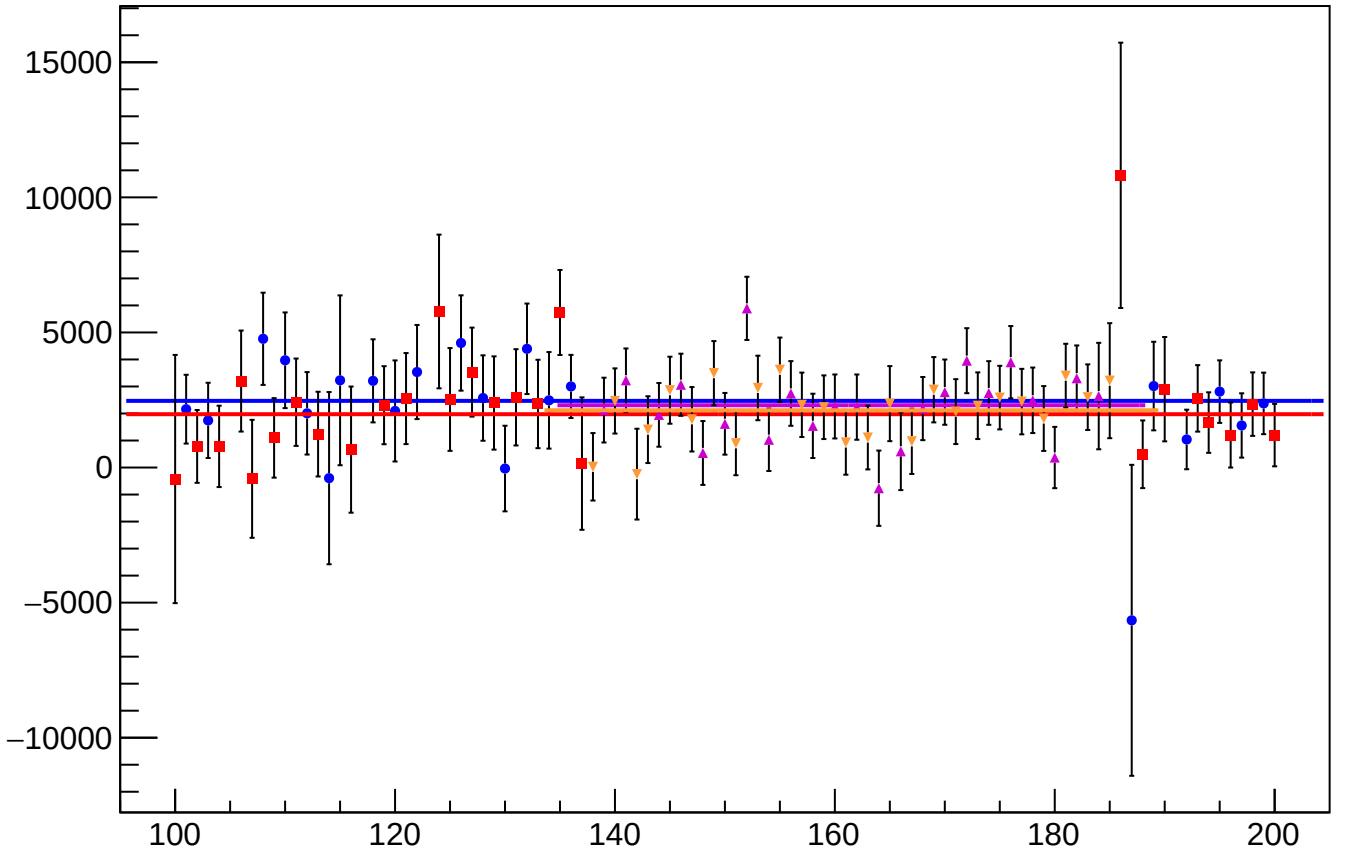
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1905.951+/-0.286 χ^2/NDF: 4998573.0/48

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

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

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96



Right In: 2467.705+/-325.572 χ^2/NDF: 14.4/21

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

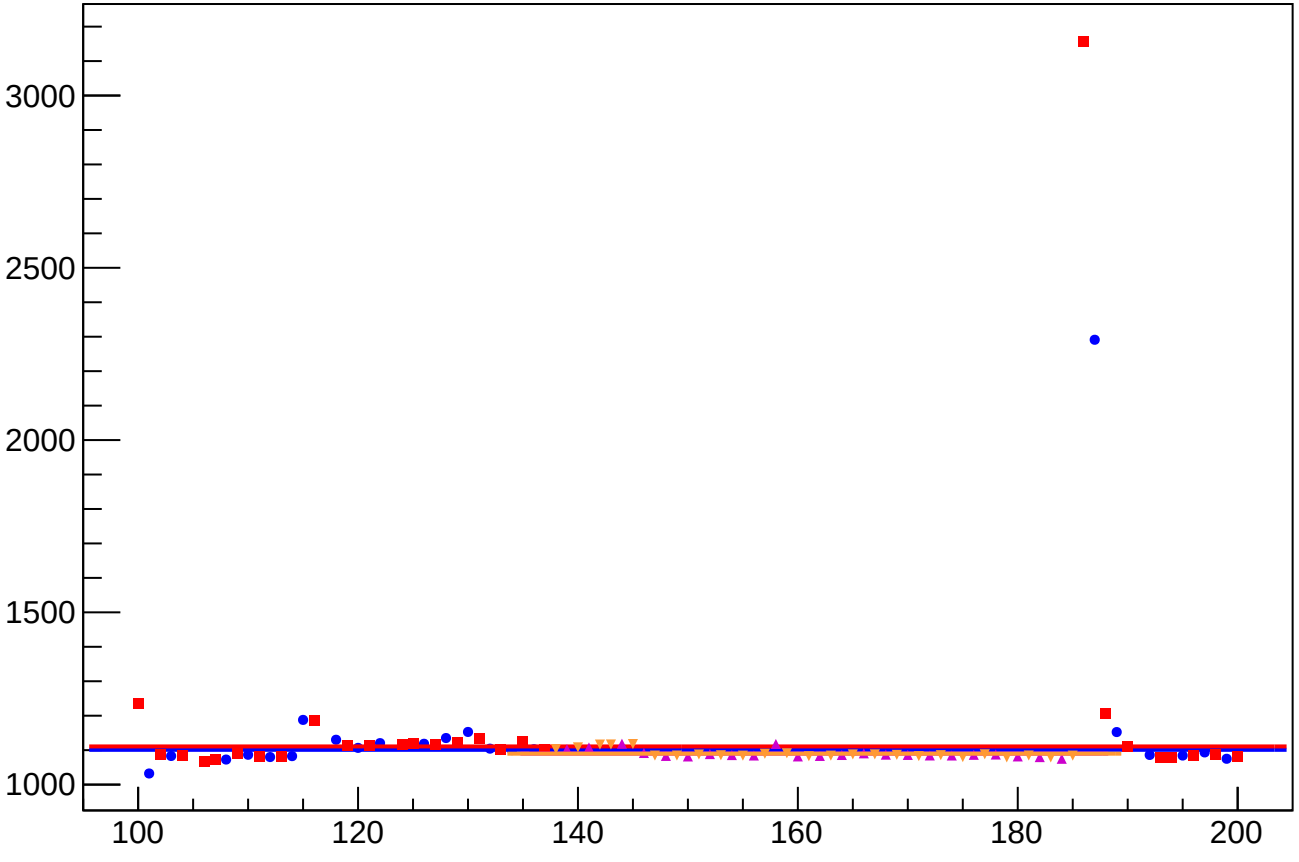
Right: 2204.961+/-222.694 χ^2/NDF: 35.5/48

In: 2366.967+/-200.507 χ^2/NDF:43.1/44

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

All: 2208.119+/-138.778 χ^2/NDF: 79.4/96

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.954+/-0.230 χ^2/NDF: 102507.0/21

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

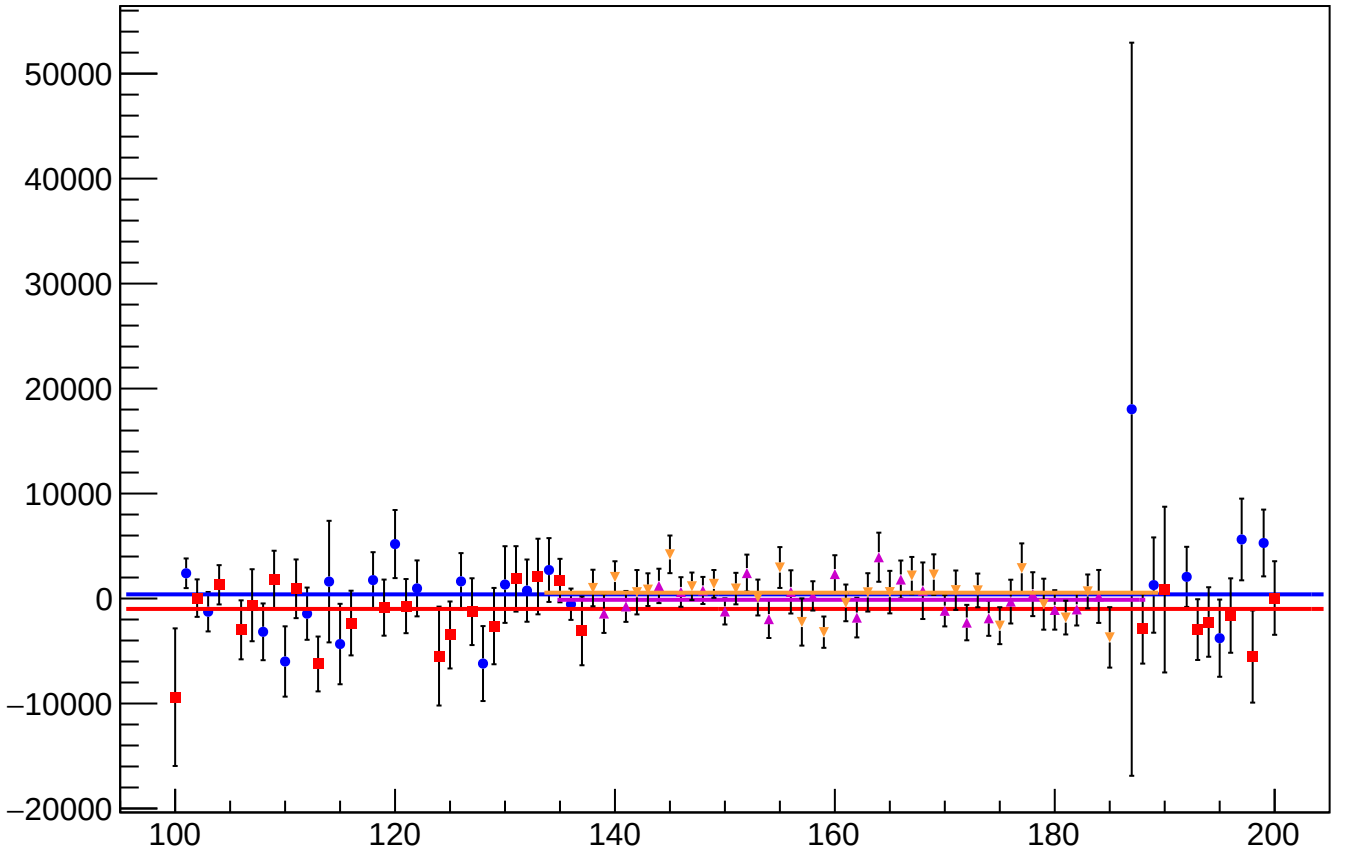
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1106.195+/-0.157 χ^2/NDF: 477027.4/48

In: 1094.132+/-0.142 χ^2/NDF:107817.5/44

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

All: 1096.198+/-0.098 χ^2/NDF: 491571.3/96



Right In: 396.703+/-575.327 χ^2/NDF: 23.6/21

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

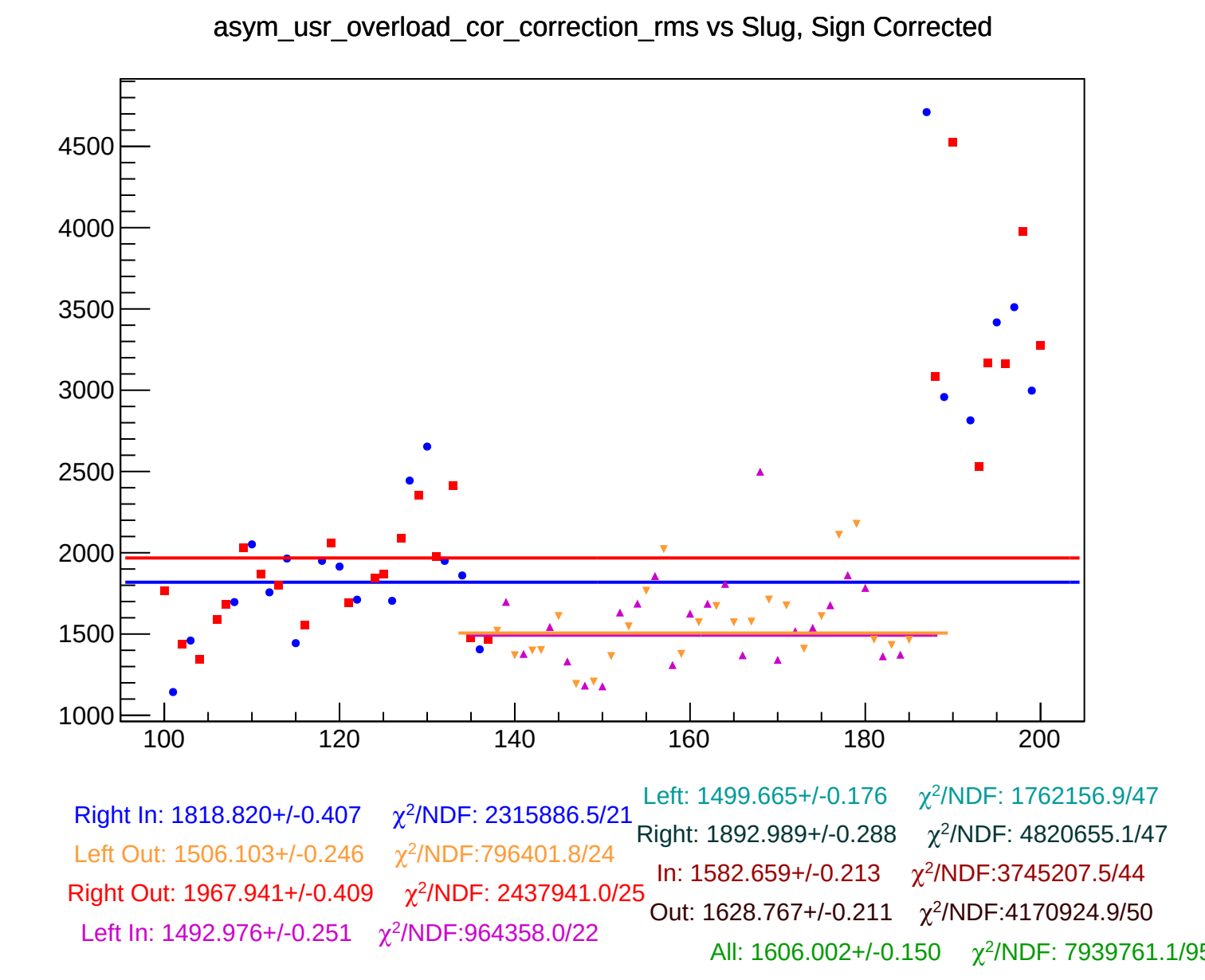
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -293.632+/-407.886 χ^2/NDF: 43.7/47

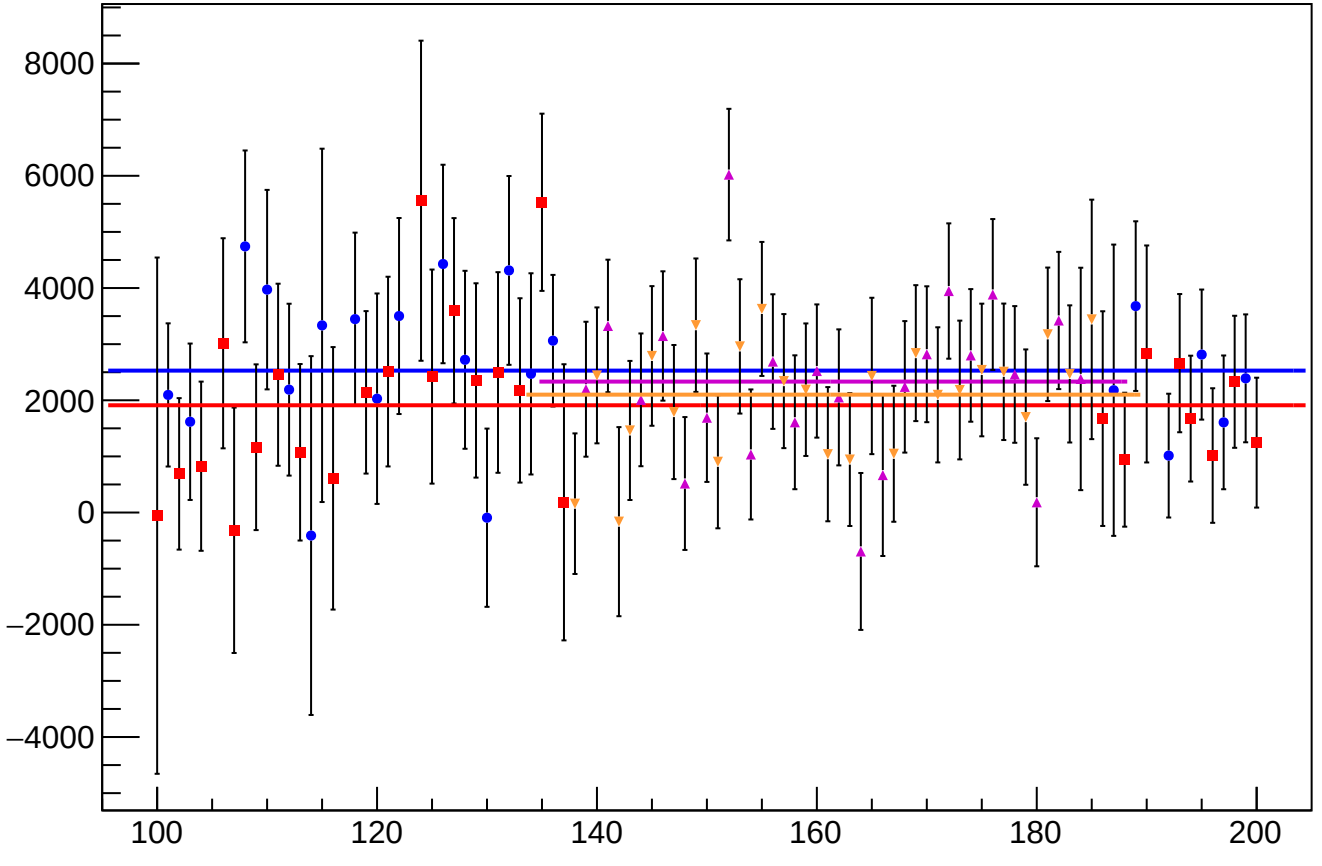
In: 21.184+/-301.832 χ^2/NDF:41.3/44

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

All: 83.061+/-212.083 χ^2/NDF: 90.0/95


asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1818.820+/-0.407 χ²/NDF: 2315886.5/21
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 1967.941+/-0.409 χ²/NDF: 2437941.0/25
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 1892.989+/-0.288 χ²/NDF: 4820655.1/47
In: 1582.659+/-0.213 χ²/NDF:3745207.5/44
Out: 1628.767+/-0.211 χ²/NDF:4170924.9/50
All: 1606.002+/-0.150 χ²/NDF: 7939761.1/95

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

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

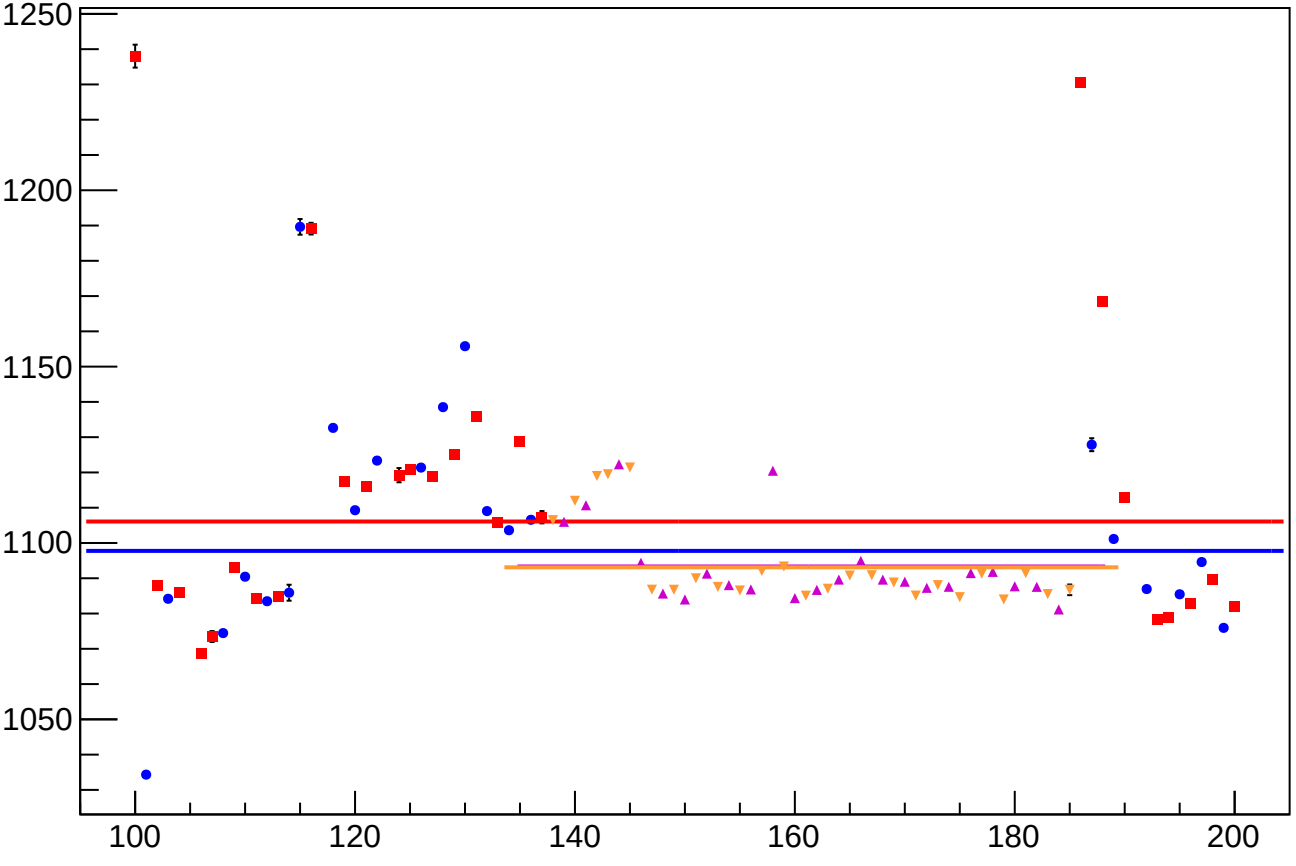
Right: 2198.672+/-220.449 χ^2/NDF: 29.9/48

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

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

All: 2207.620+/-138.488 χ^2/NDF: 73.7/96

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

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

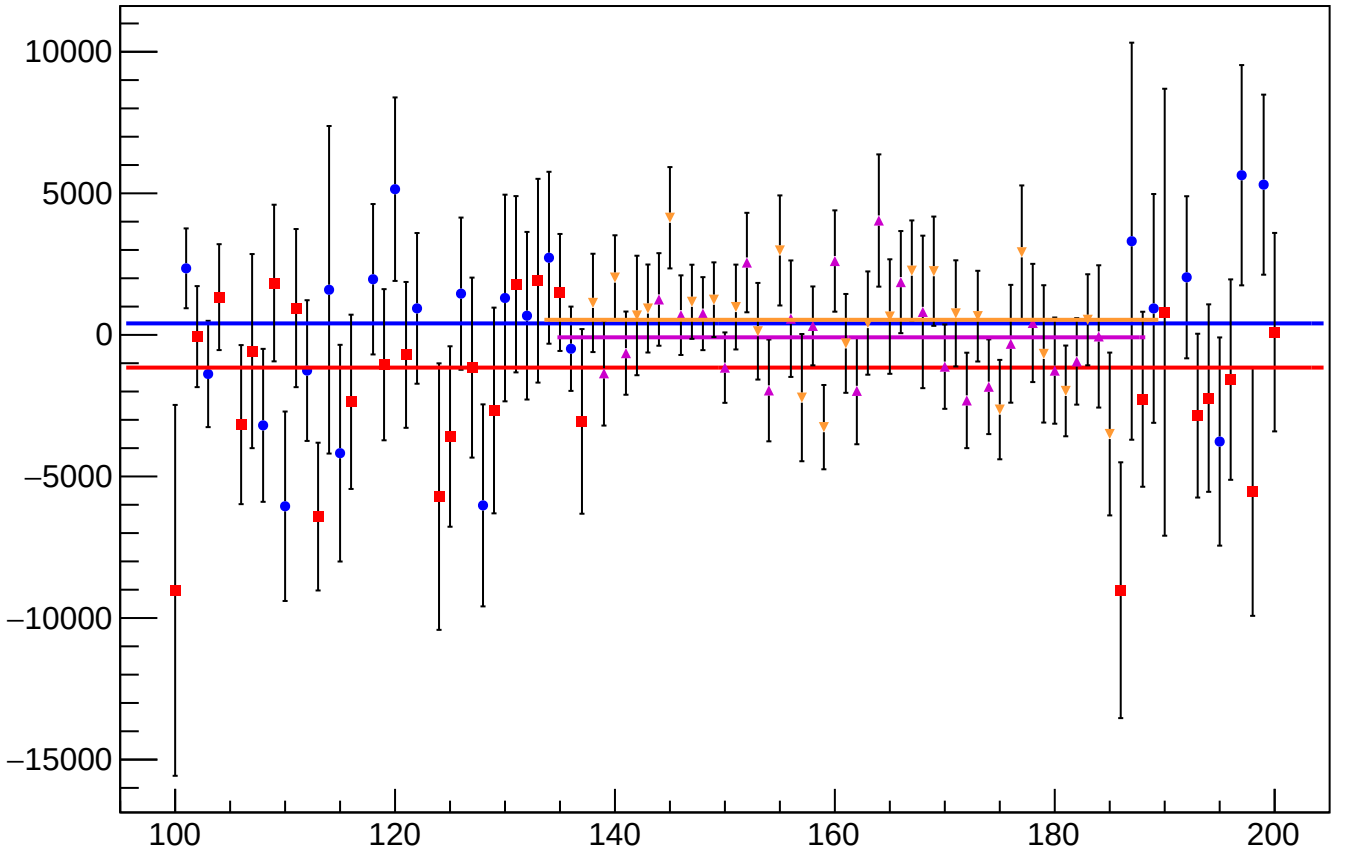
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.211+/-0.156 χ^2/NDF: 42556.5/48

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

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

All: 1096.766+/-0.098 χ^2/NDF: 52281.5/96



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

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

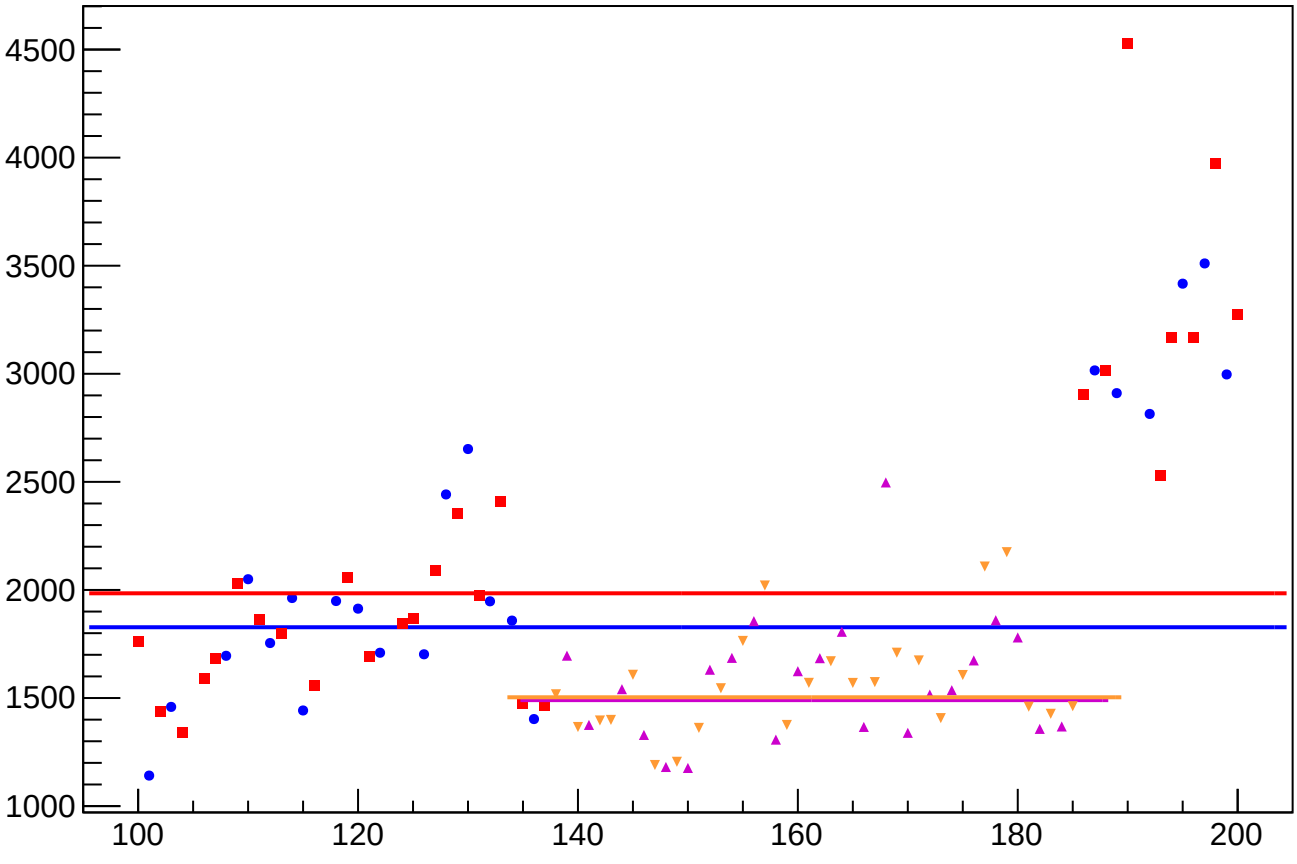
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -374.075+/-404.281 χ^2/NDF: 47.1/48

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.321+/-296.791 χ^2/NDF:53.0/51

All: 64.784+/-211.310 χ^2/NDF: 94.8/96



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

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

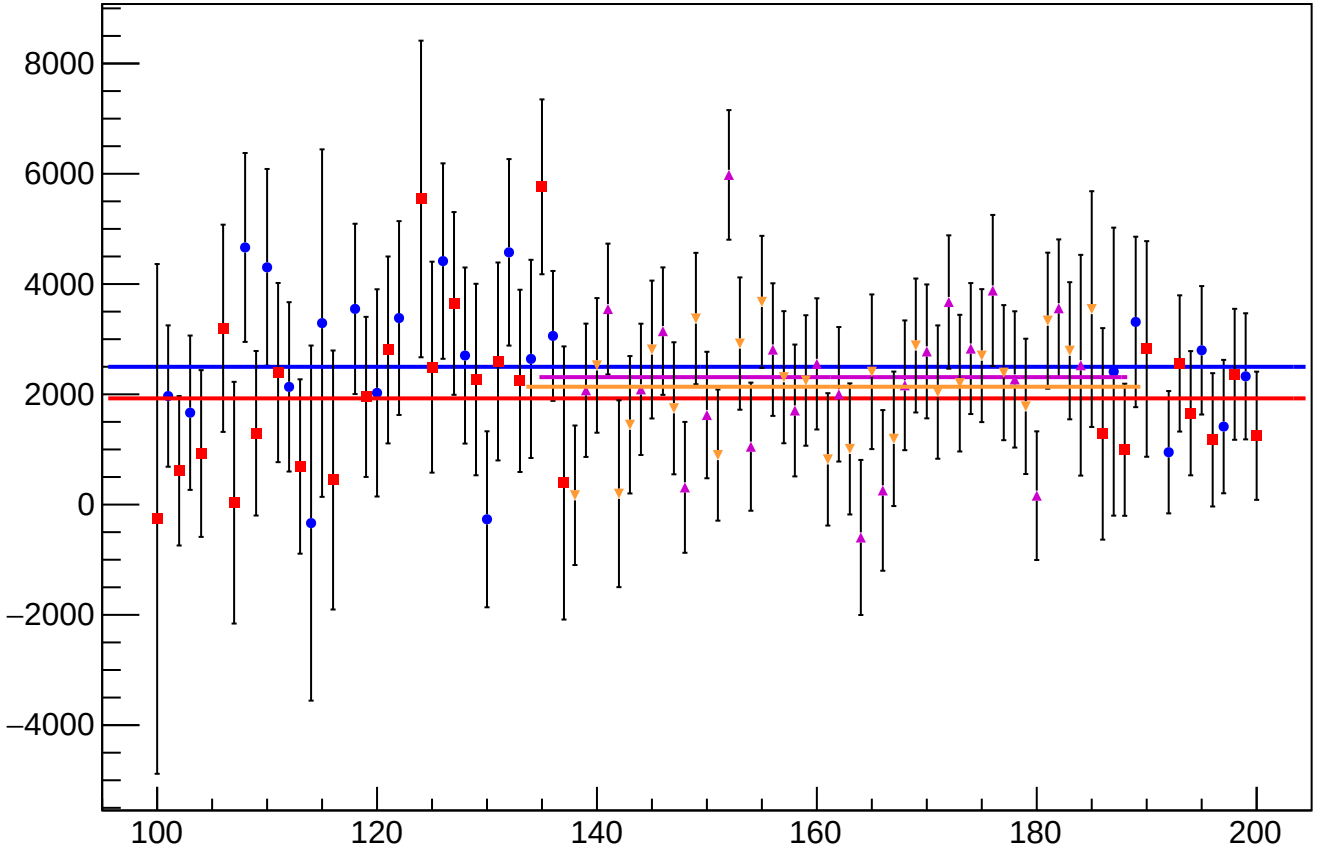
Right: 1905.951+/-0.286 χ^2/NDF: 4998573.0/48

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

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

All: 1608.724+/-0.149 χ^2/NDF: 8255241.5/96

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.704+/-325.017 χ^2/NDF: 13.9/21

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

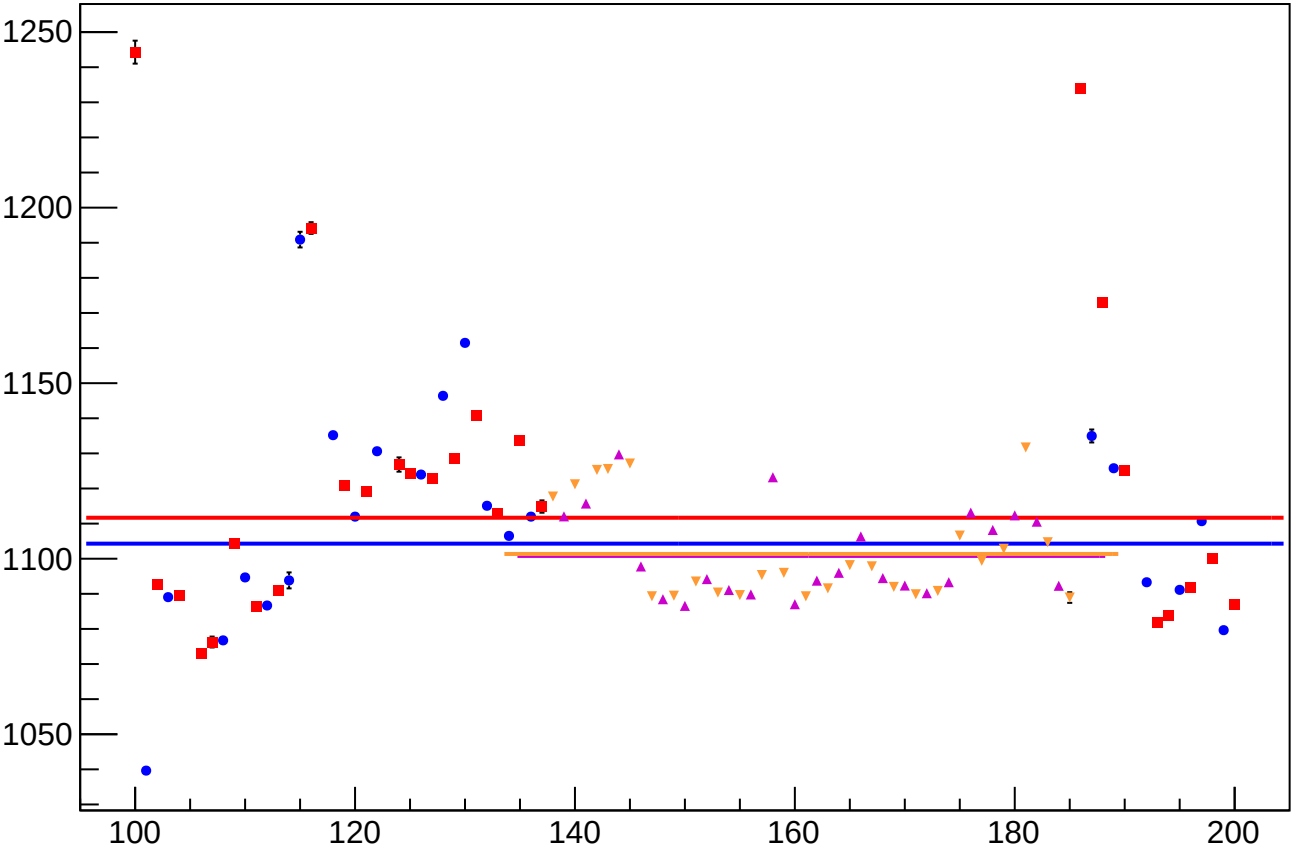
Right: 2192.631+/-221.664 χ^2/NDF: 31.2/48

In: 2383.692+/-201.609 χ^2/NDF:44.0/44

Out: 2051.787+/-192.948 χ^2/NDF:29.9/51

All: 2210.457+/-139.396 χ^2/NDF: 75.3/96

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.6/21

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

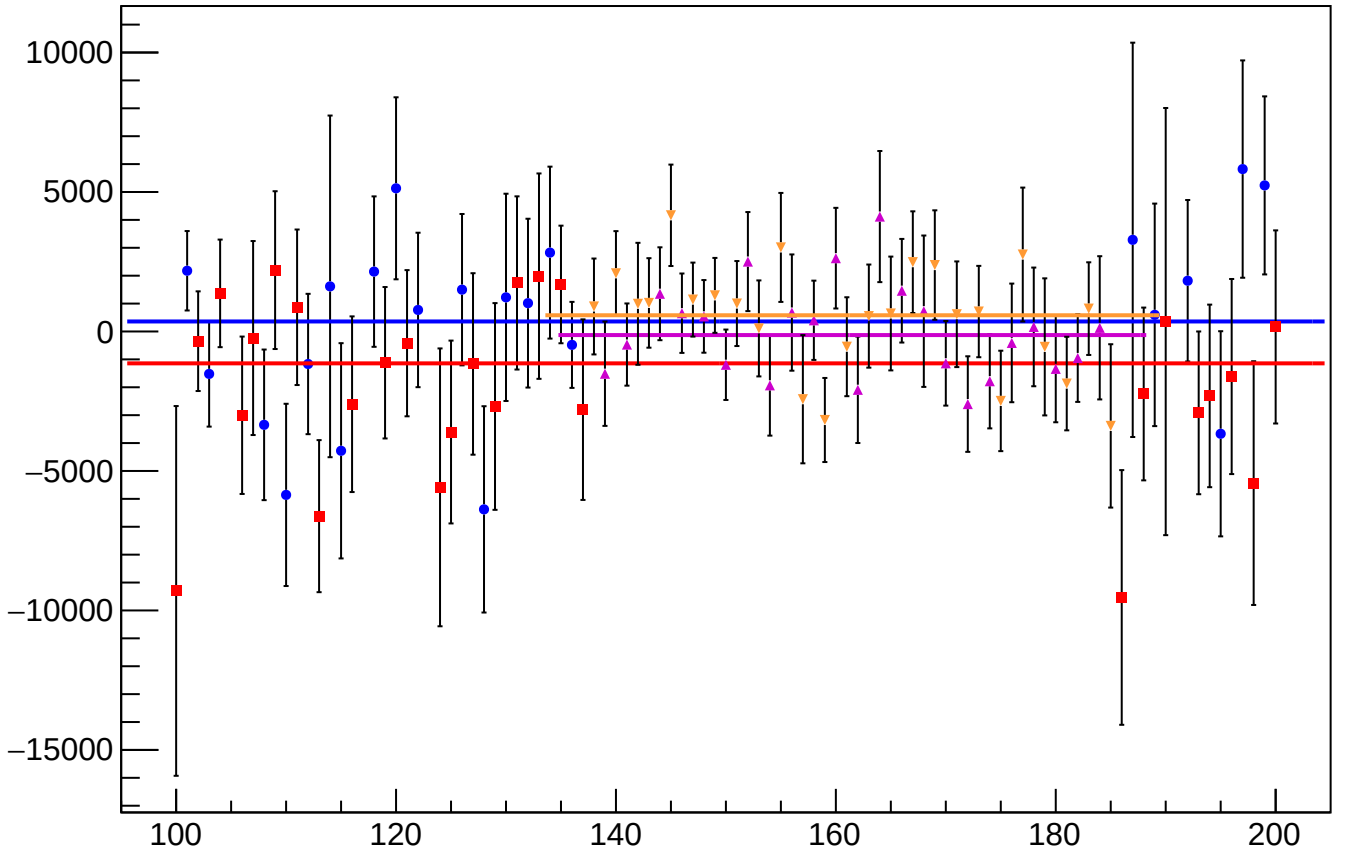
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1108.239+/-0.157 χ^2/NDF: 42156.9/48

In: 1102.139+/-0.143 χ^2/NDF:20233.9/44

Out: 1105.535+/-0.136 χ^2/NDF:33484.9/51

All: 1103.912+/-0.099 χ^2/NDF: 54015.1/96



Right In: 359.002+/-579.725 χ^2/NDF: 23.0/21

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

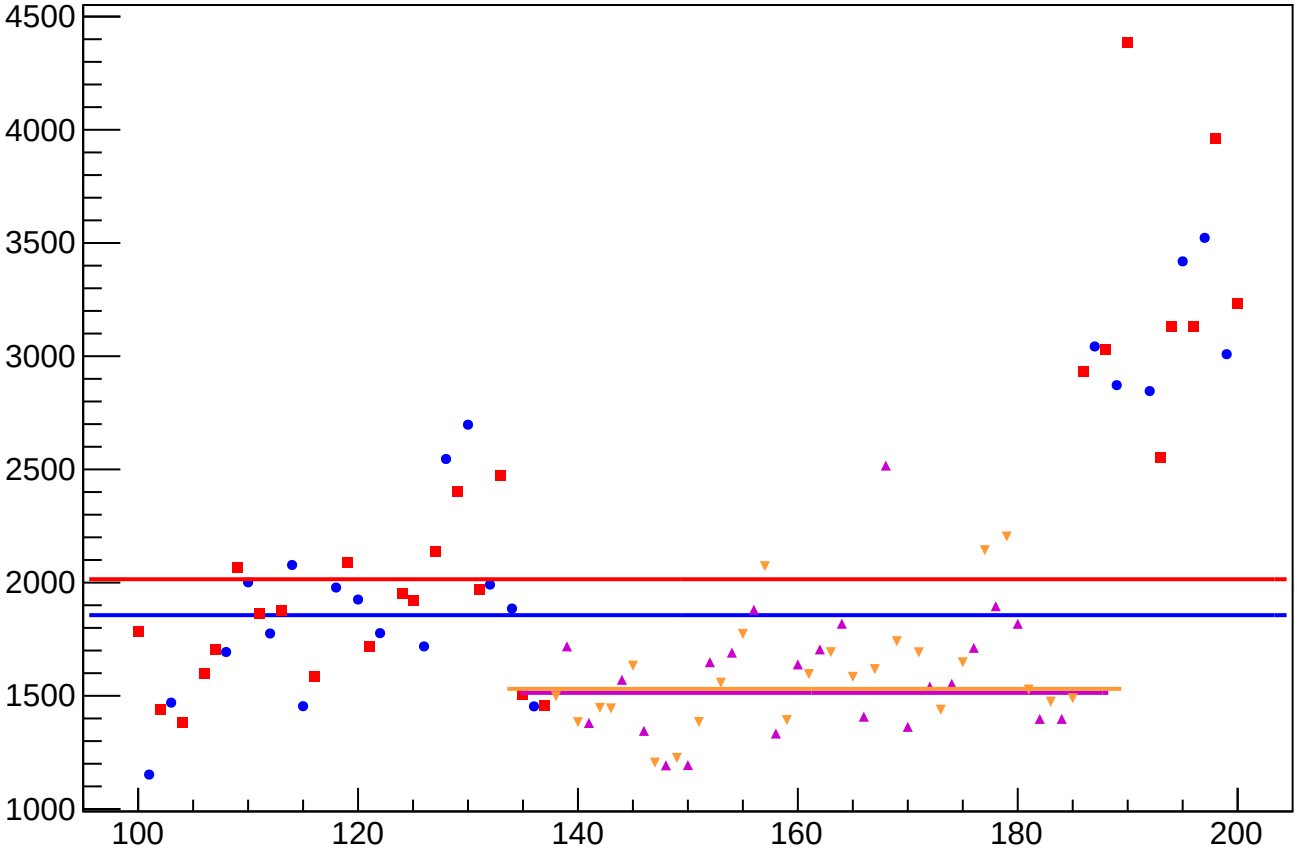
Right: -392.490+/-409.741 χ^2/NDF: 46.9/48

In: 6.504+/-305.295 χ^2/NDF:41.4/44

Out: 113.733+/-301.671 χ^2/NDF:52.3/51

All: 60.759+/-214.584 χ^2/NDF: 93.8/96

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1856.276+/-0.410 χ^2/NDF: 2343342.3/21

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

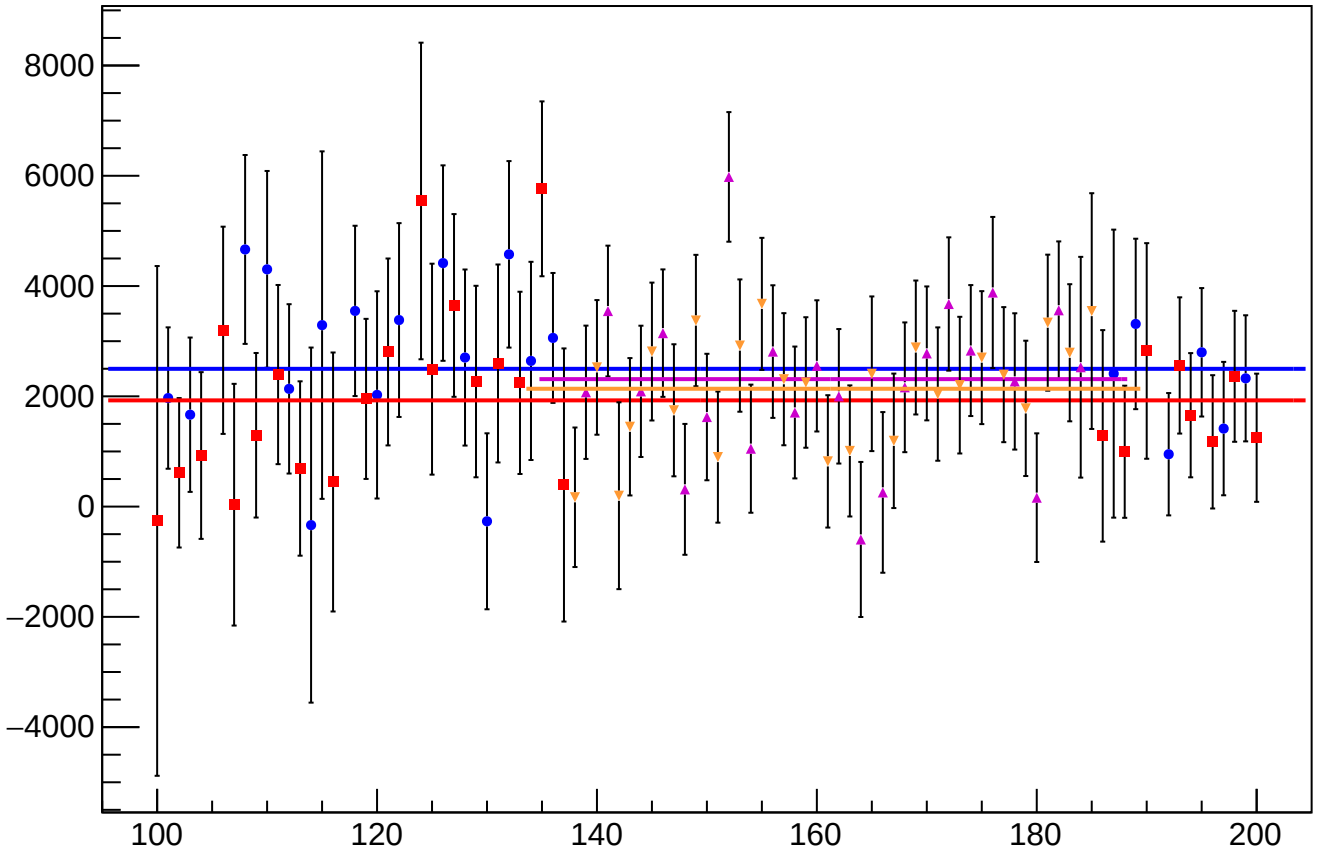
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1935.689+/-0.290 χ^2/NDF: 4849117.1/48

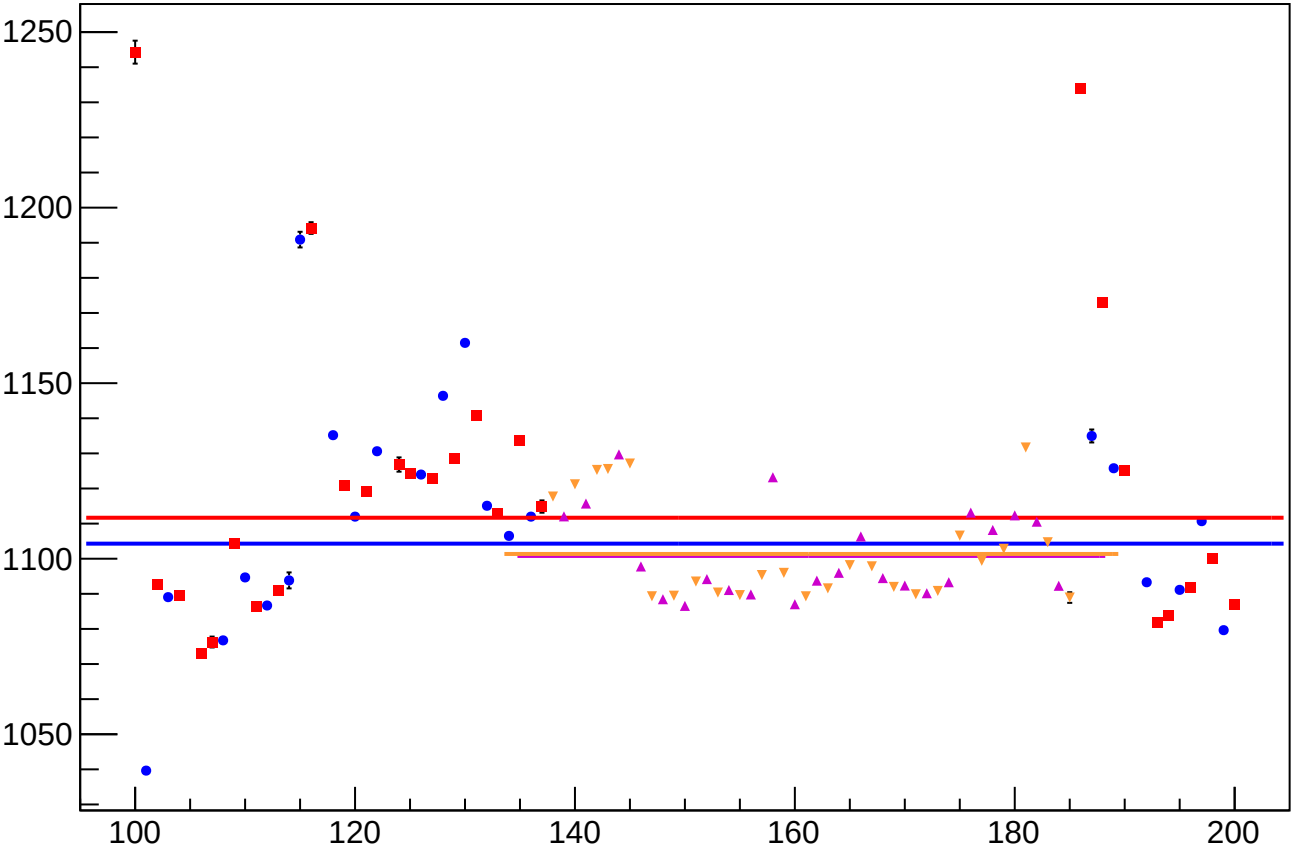
In: 1608.162+/-0.216 χ^2/NDF:3807332.2/44

Out: 1662.115+/-0.213 χ^2/NDF:4244951.8/51

All: 1635.461+/-0.152 χ^2/NDF: 8083888.0/96


eigen_dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 2498.702+/-325.017 χ²/NDF: 13.9/21
Left Out: 2137.182+/-250.195 χ²/NDF:13.9/24
Right Out: 1926.463+/-303.090 χ²/NDF: 15.7/26
Left In: 2311.761+/-257.036 χ²/NDF:29.9/22
Left: 2222.118+/-179.284 χ²/NDF: 44.1/47
Right: 2192.630+/-221.663 χ²/NDF: 31.2/48
In: 2383.692+/-201.609 χ²/NDF:44.0/44
Out: 2051.786+/-192.948 χ²/NDF:29.9/51
All: 2210.456+/-139.396 χ²/NDF: 75.3/96

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.5/21

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

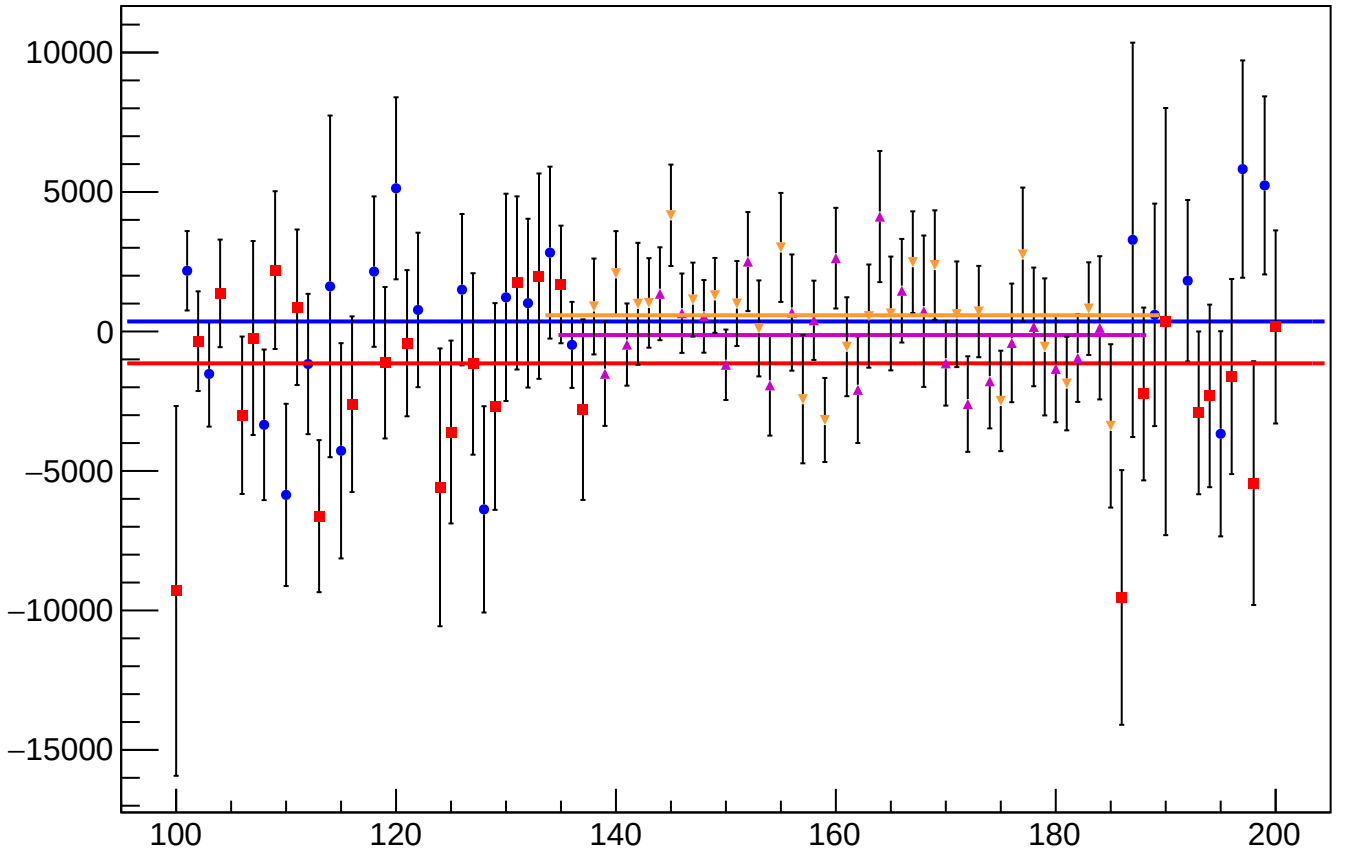
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1108.239+/-0.157 χ^2/NDF: 42156.8/48

In: 1102.139+/-0.143 χ^2/NDF:20233.8/44

Out: 1105.535+/-0.136 χ^2/NDF:33484.9/51

All: 1103.911+/-0.099 χ^2/NDF: 54015.0/96



Right In: 358.998+/-579.725 χ^2/NDF: 23.0/21

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

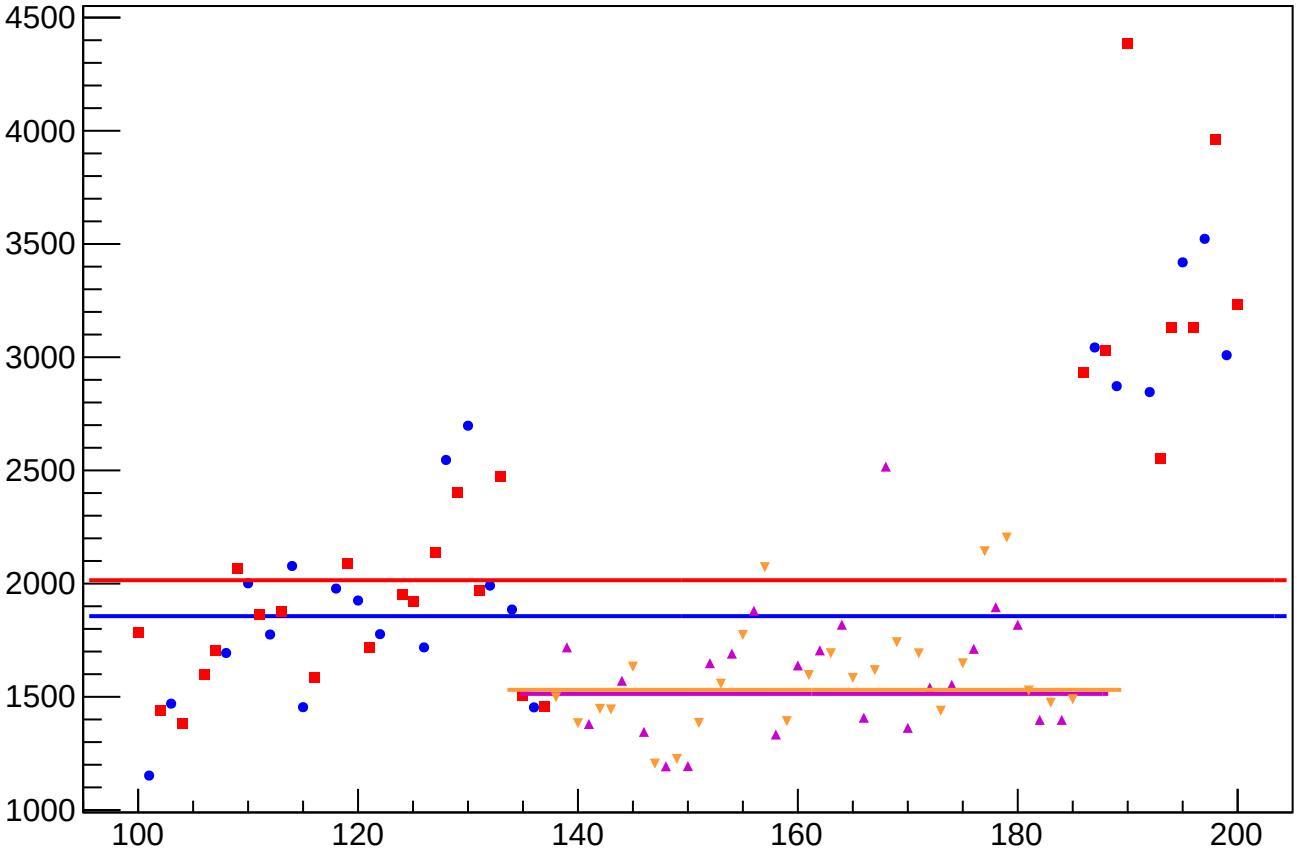
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -392.493+/-409.741 χ^2/NDF: 46.9/48

In: 6.503+/-305.296 χ^2/NDF:41.4/44

Out: 113.729+/-301.672 χ^2/NDF:52.3/51

All: 60.757+/-214.584 χ^2/NDF: 93.8/96



Right In: 1856.274+/-0.410 χ^2/NDF: 2343336.1/21

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

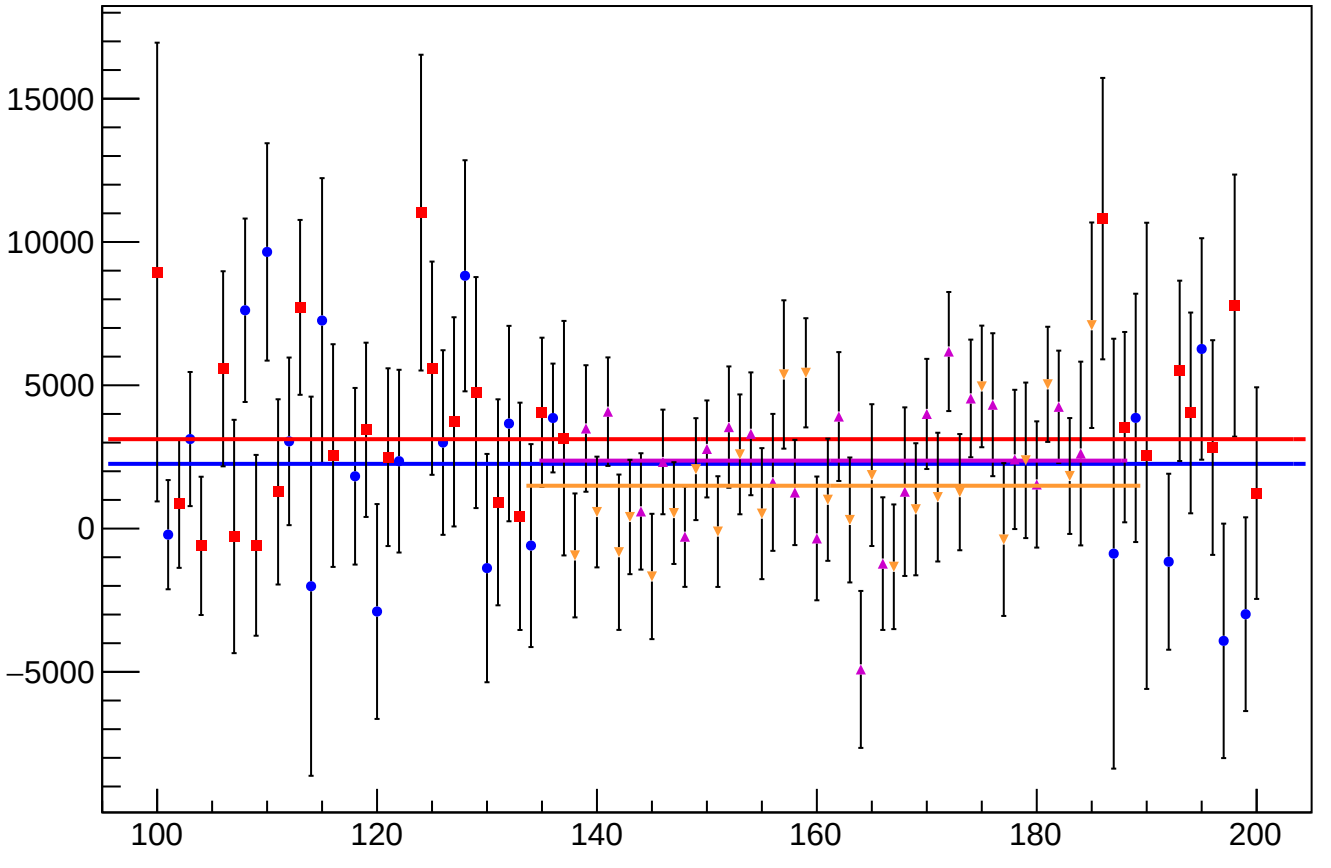
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1935.687+/-0.290 χ^2/NDF: 4849103.7/48

In: 1608.165+/-0.216 χ^2/NDF:3807314.1/44

Out: 1662.118+/-0.213 χ^2/NDF:4244924.2/51

All: 1635.463+/-0.152 χ^2/NDF: 8083842.7/96



Right In: 2258.503+/-684.242 χ^2/NDF: 24.2/21

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

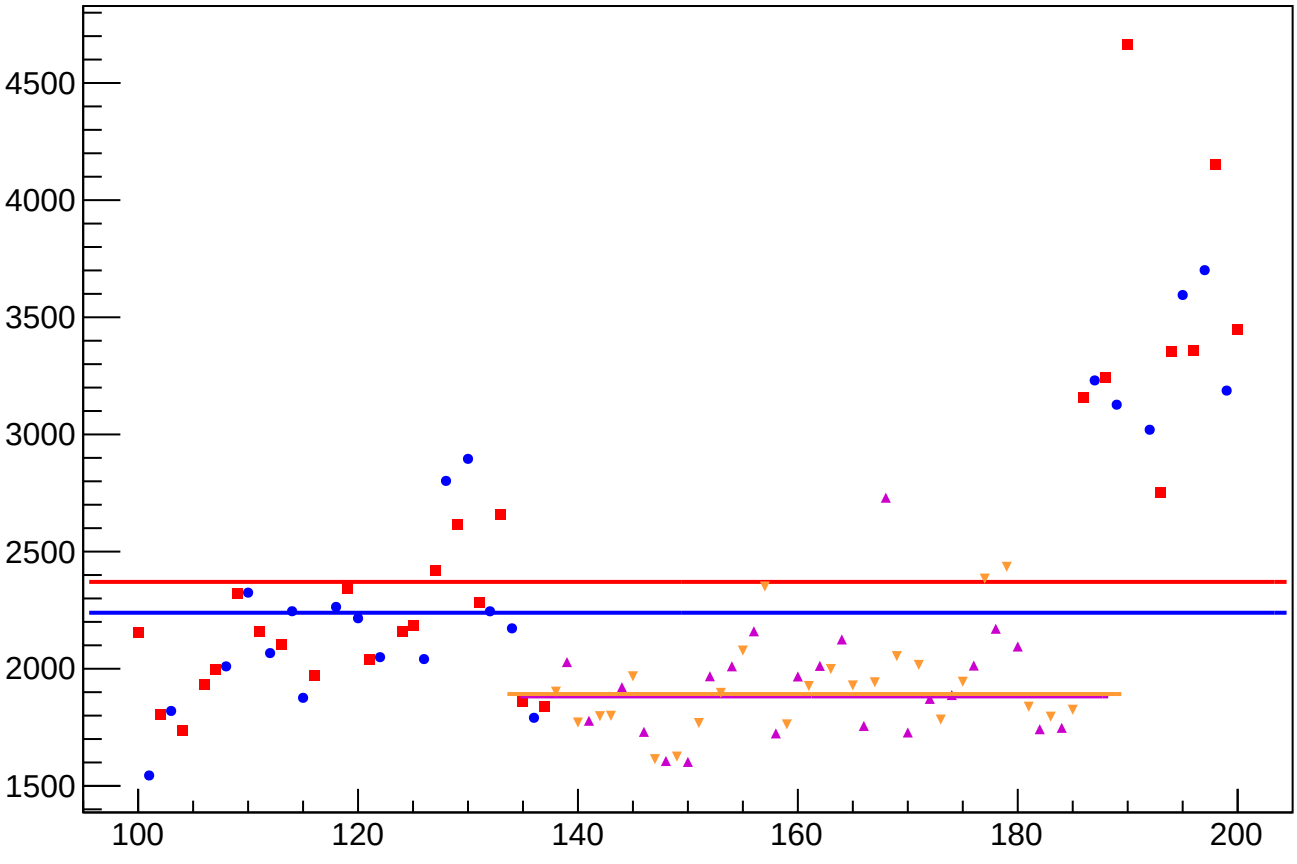
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2698.084+/-478.719 χ^2/NDF: 42.3/48

In: 2337.562+/-371.838 χ^2/NDF:47.9/44

Out: 1973.934+/-363.782 χ^2/NDF:45.2/51

All: 2151.766+/-260.034 χ^2/NDF: 93.6/96



Right In: 2239.042+/-0.484 χ^2/NDF: 1486810.3/21

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

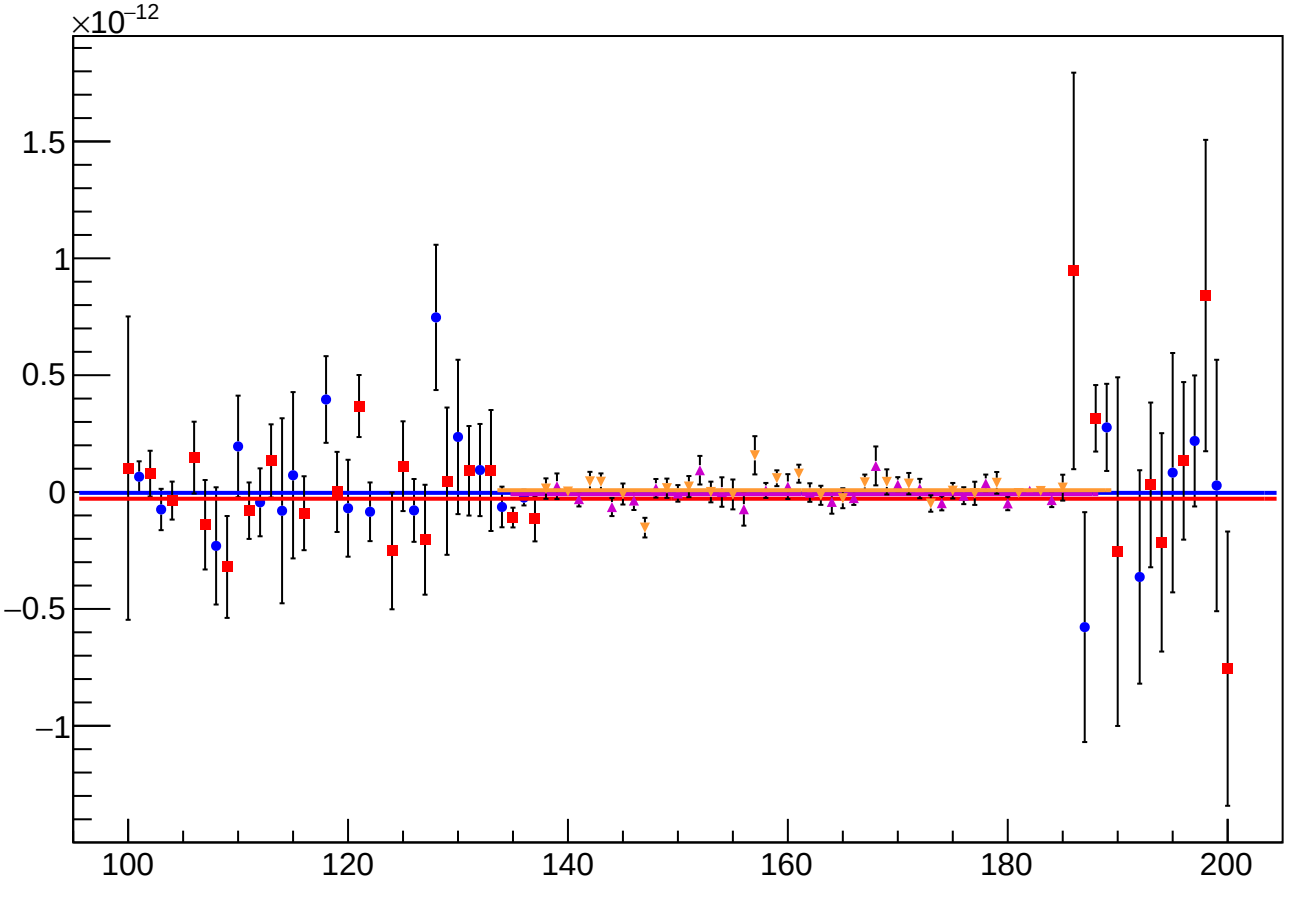
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2306.242+/-0.339 χ^2/NDF: 3197873.6/48

In: 1987.364+/-0.263 χ^2/NDF:2333449.3/44

Out: 2033.195+/-0.257 χ^2/NDF:2782466.5/51

All: 2010.782+/-0.184 χ^2/NDF: 5131440.2/96



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/21

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

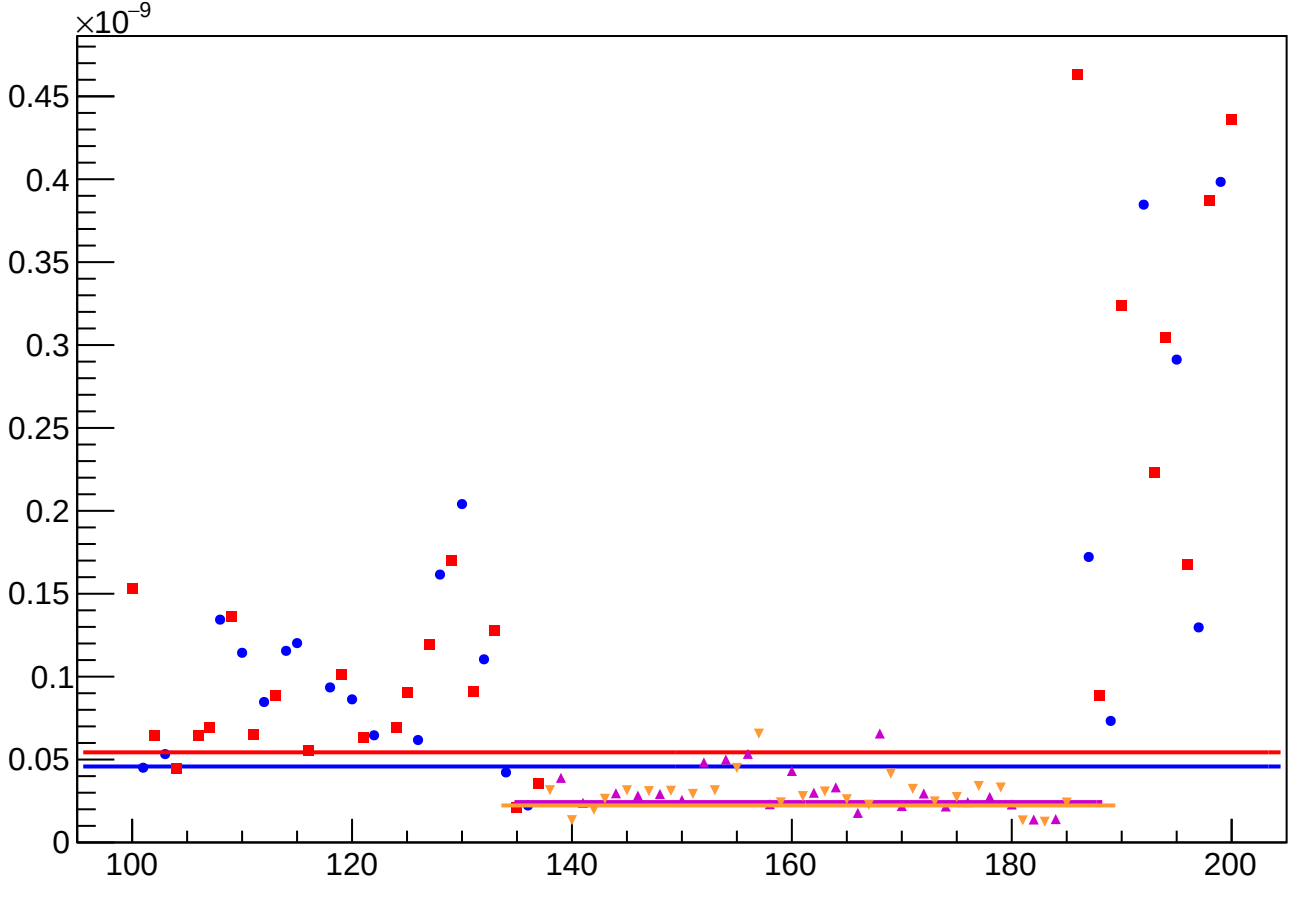
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

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

In: -0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:67.1/51

All: -0.000+/-0.000 χ^2/NDF: 109.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5753715.1/21

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

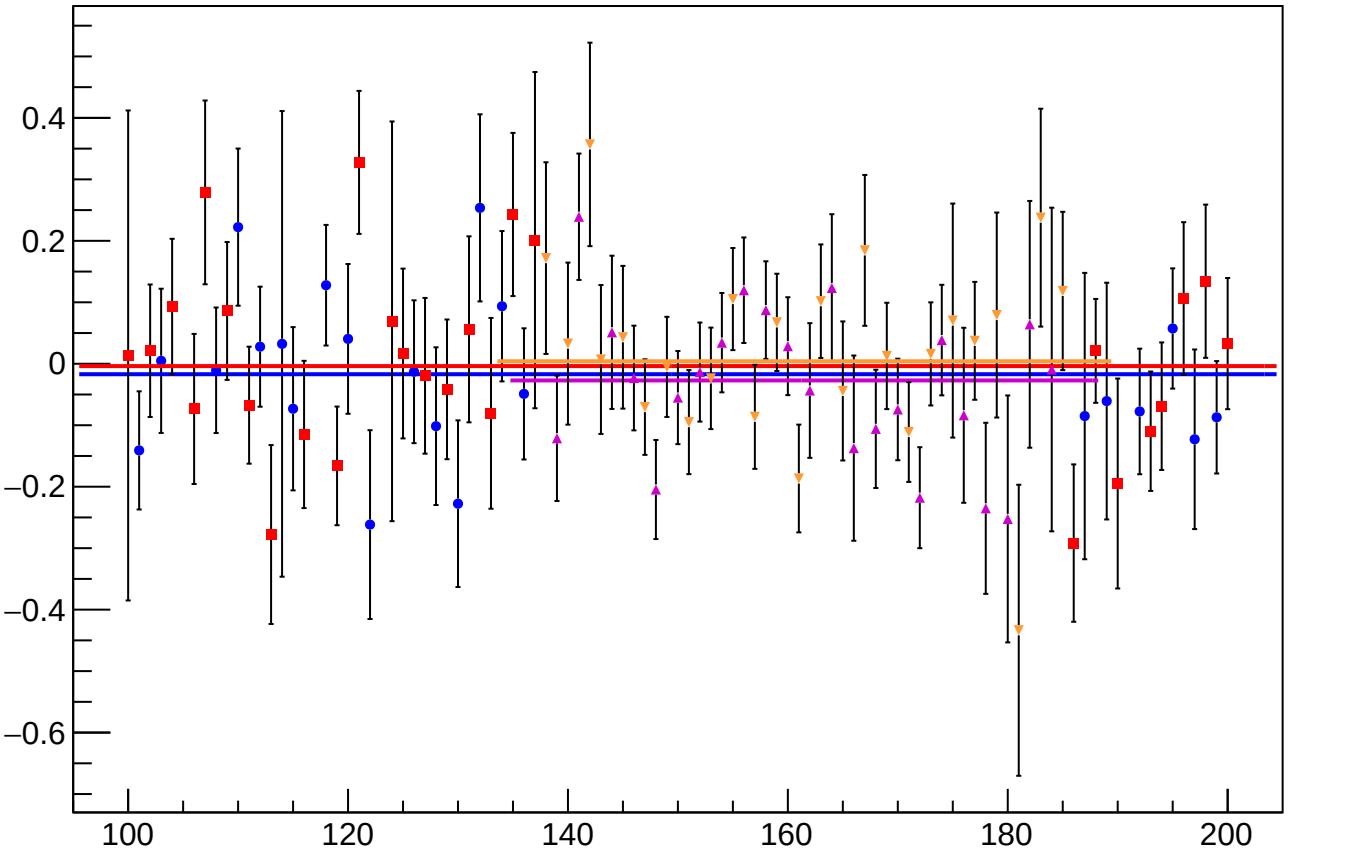
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

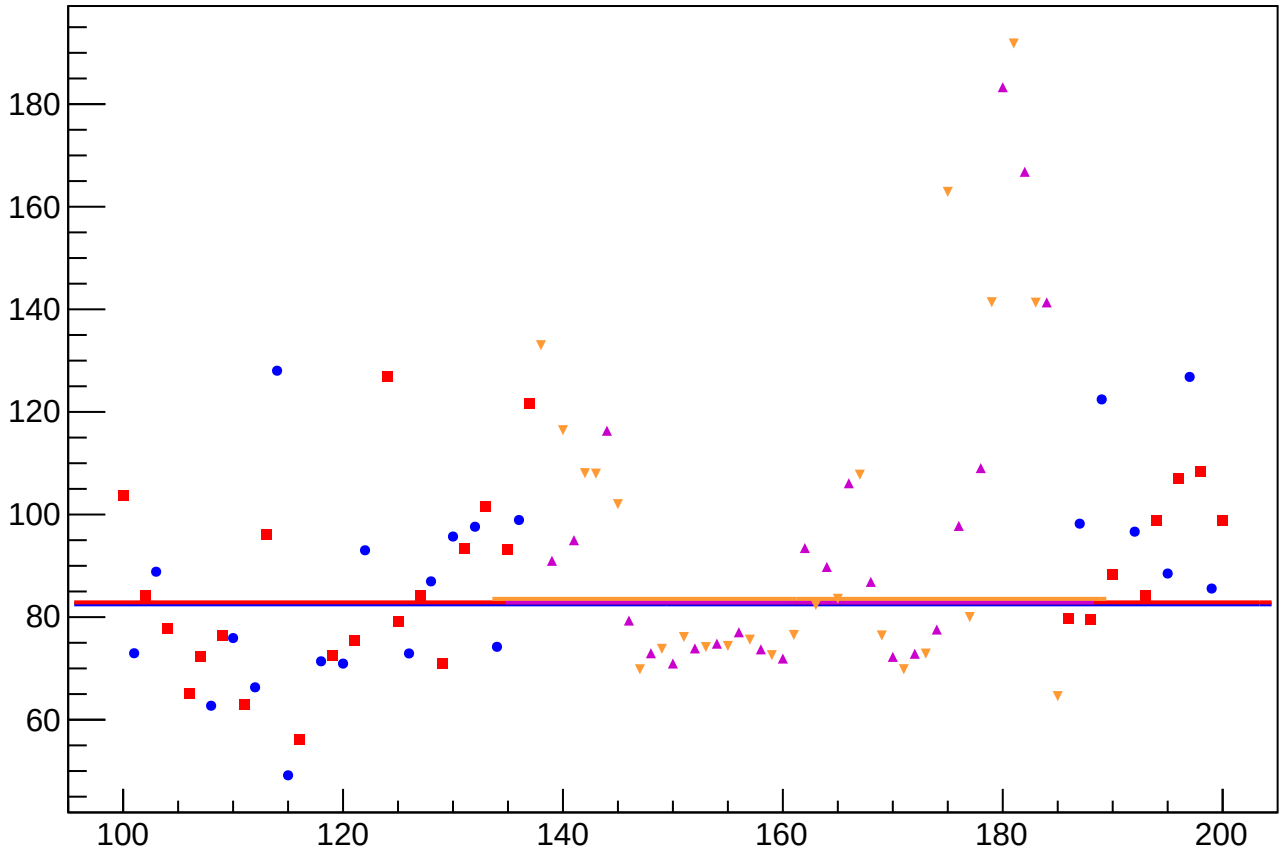
Right: 0.000+/-0.000 χ^2/NDF: 12018778.3/48

In: 0.000+/-0.000 χ^2/NDF:10348977.7/44

Out: 0.000+/-0.000 χ^2/NDF:12564937.9/51

All: 0.000+/-0.000 χ^2/NDF: 22990126.3/96


asym_usr_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: -0.017+/-0.026 χ²/NDF: 19.6/21
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: -0.010+/-0.017 χ²/NDF: 55.7/48
In: -0.023+/-0.016 χ²/NDF:51.7/44
Out: 0.001+/-0.015 χ²/NDF:64.1/51
All: -0.011+/-0.011 χ²/NDF: 117.0/96



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

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

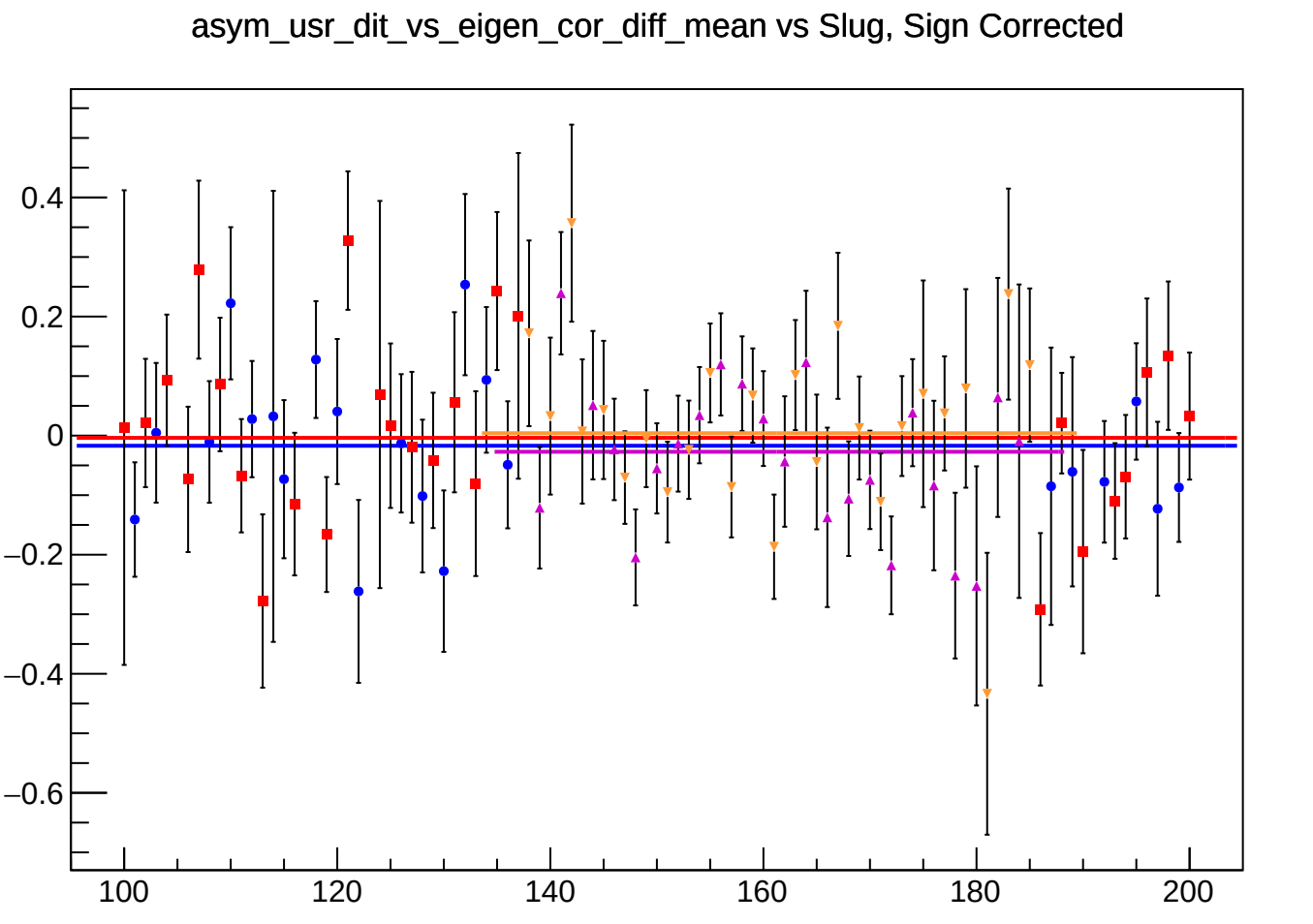
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

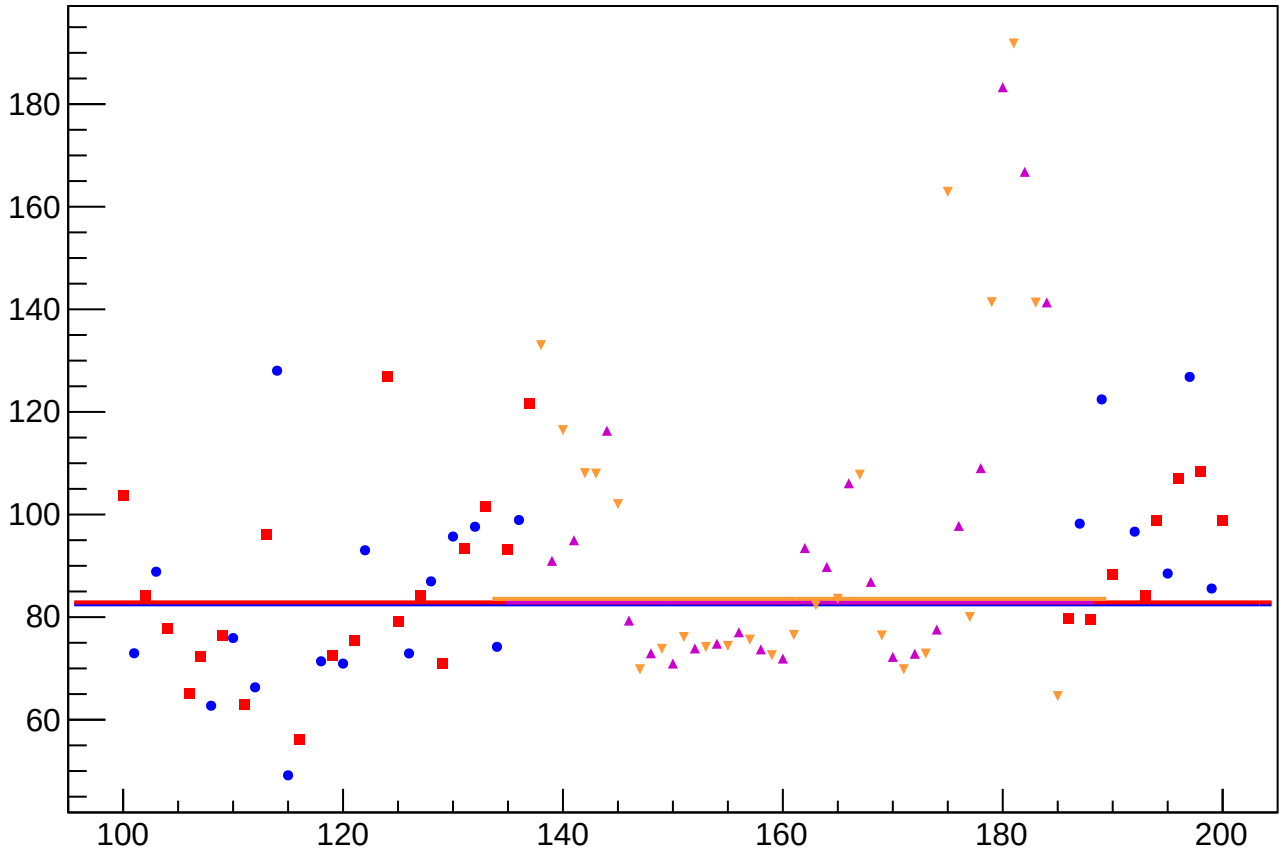
Right: 82.701+/-0.012 χ^2/NDF: 1519057.6/48

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 83.273+/-0.011 χ^2/NDF:2885095.7/51

All: 83.015+/-0.008 χ^2/NDF: 5267181.1/96


asym_usr_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.017+/-0.026 χ²/NDF: 19.6/21
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: -0.010+/-0.017 χ²/NDF: 55.7/48
In: -0.023+/-0.016 χ²/NDF:51.7/44
Out: 0.001+/-0.015 χ²/NDF:64.1/51
All: -0.011+/-0.011 χ²/NDF: 117.0/96



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

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

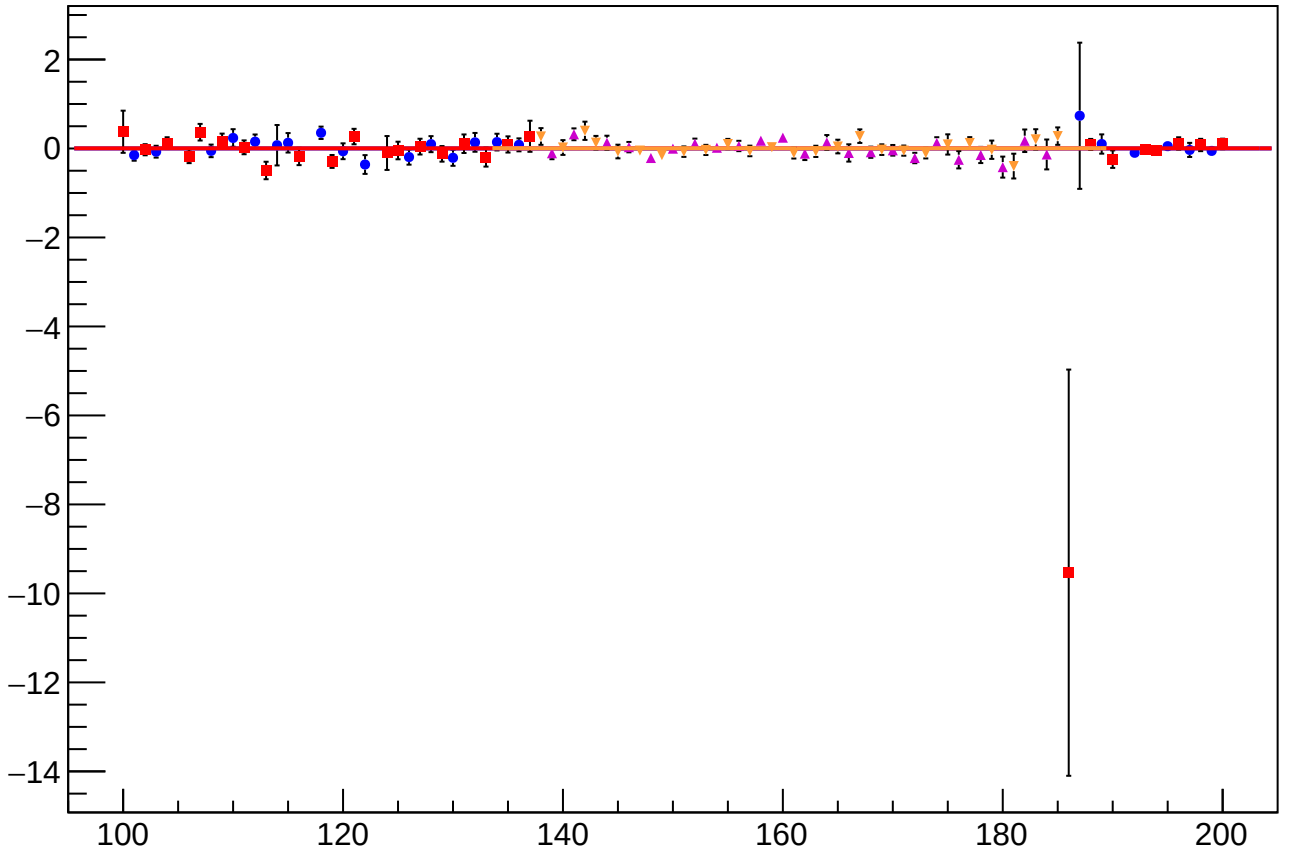
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.701+/-0.012 χ^2/NDF: 1519057.6/48

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 83.273+/-0.011 χ^2/NDF:2885095.7/51

All: 83.015+/-0.008 χ^2/NDF: 5267181.1/96



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

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

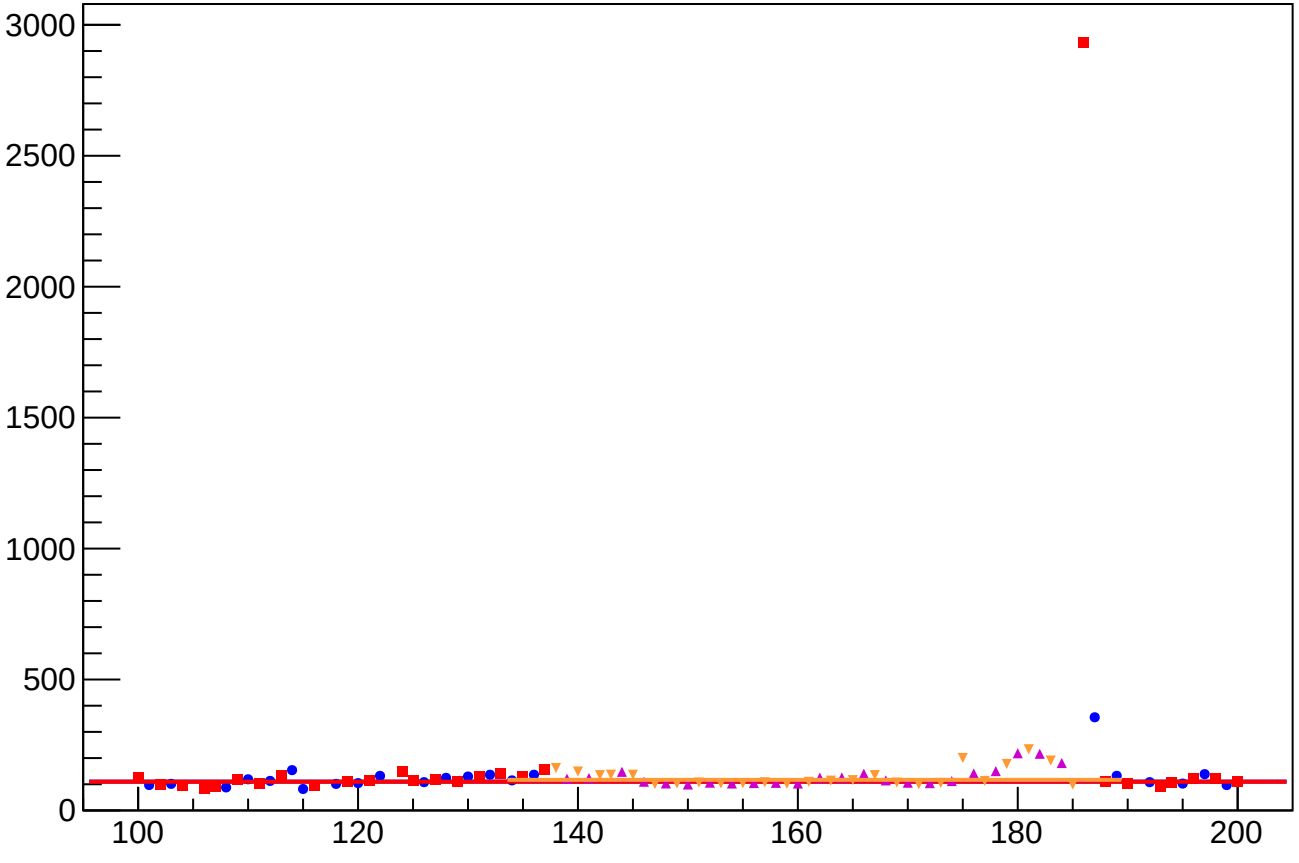
Right: 0.002+/-0.023 χ^2/NDF: 52.2/48

In: 0.006+/-0.022 χ^2/NDF:51.3/44

Out: 0.005+/-0.021 χ^2/NDF:53.5/51

All: 0.006+/-0.015 χ^2/NDF: 104.9/96

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.169+/-0.024 χ^2/NDF: 472597.7/21

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

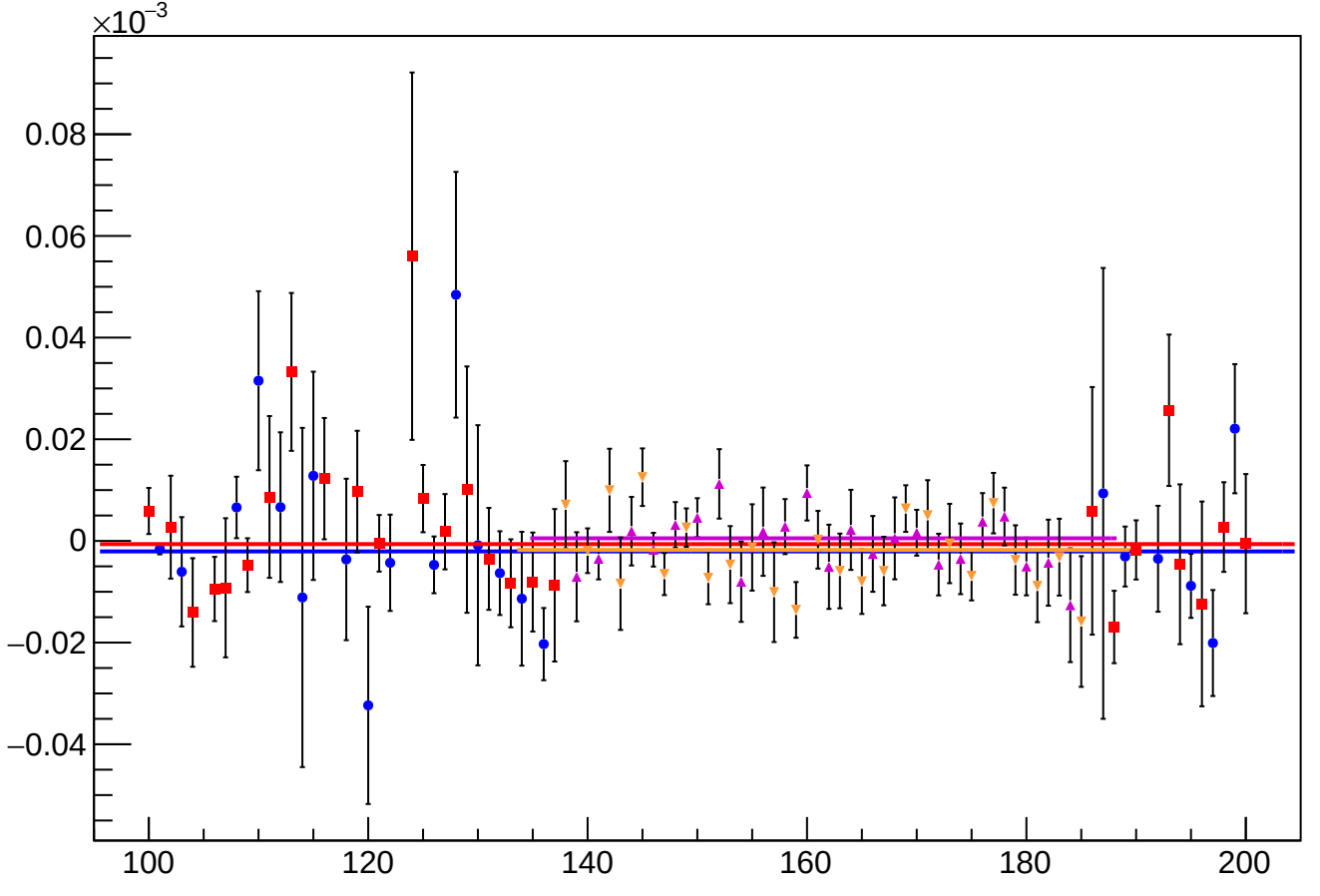
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.910+/-0.016 χ^2/NDF: 1643460.6/48

In: 113.532+/-0.015 χ^2/NDF:1737339.8/44

Out: 113.714+/-0.015 χ^2/NDF:2826653.6/51

All: 113.627+/-0.011 χ^2/NDF: 4564067.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/21

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

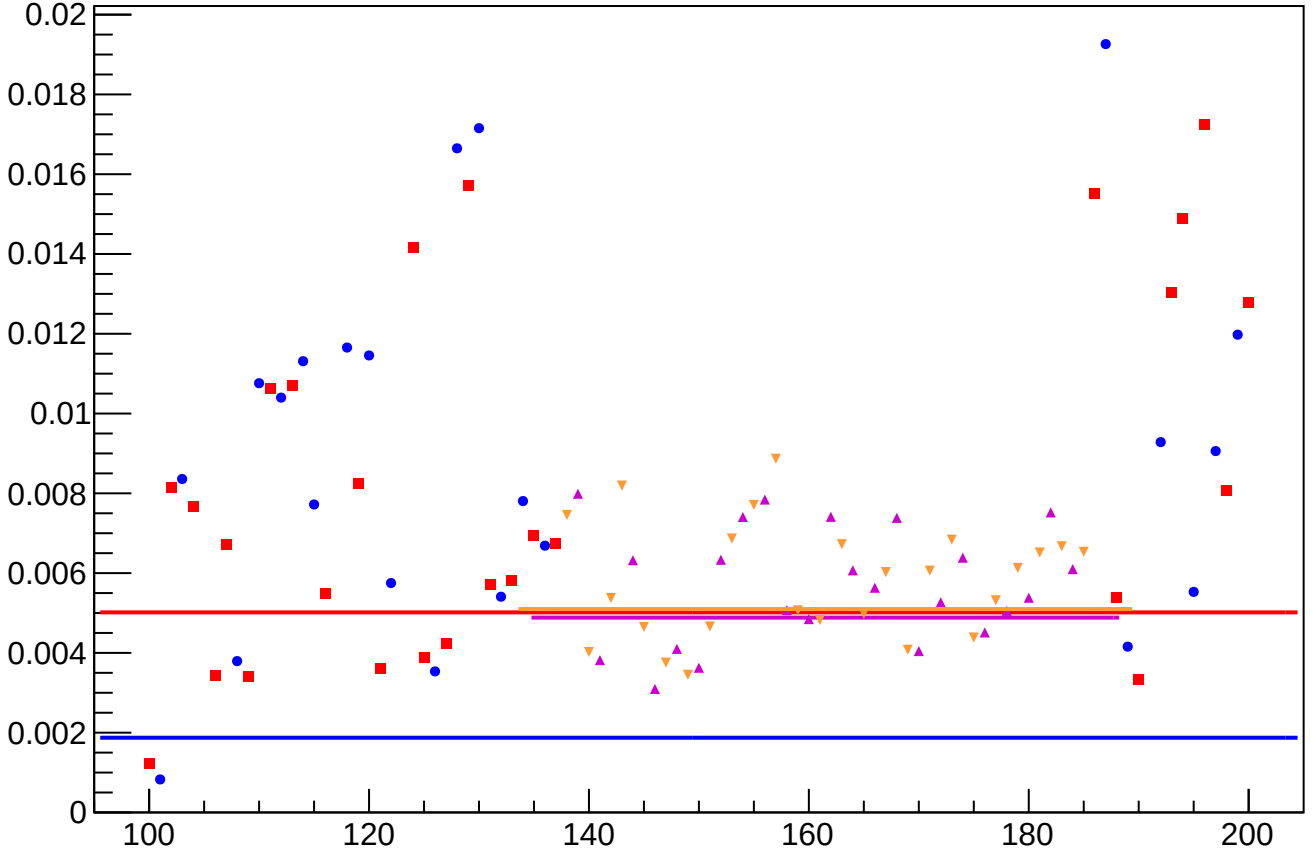
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 59.0/48

In: -0.000+/-0.000 χ^2/NDF:47.8/44

Out: -0.000+/-0.000 χ^2/NDF:60.5/51

All: -0.000+/-0.000 χ^2/NDF: 108.3/96



Right In: 0.002+/-0.000 χ^2/NDF: 13978939.2/21

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

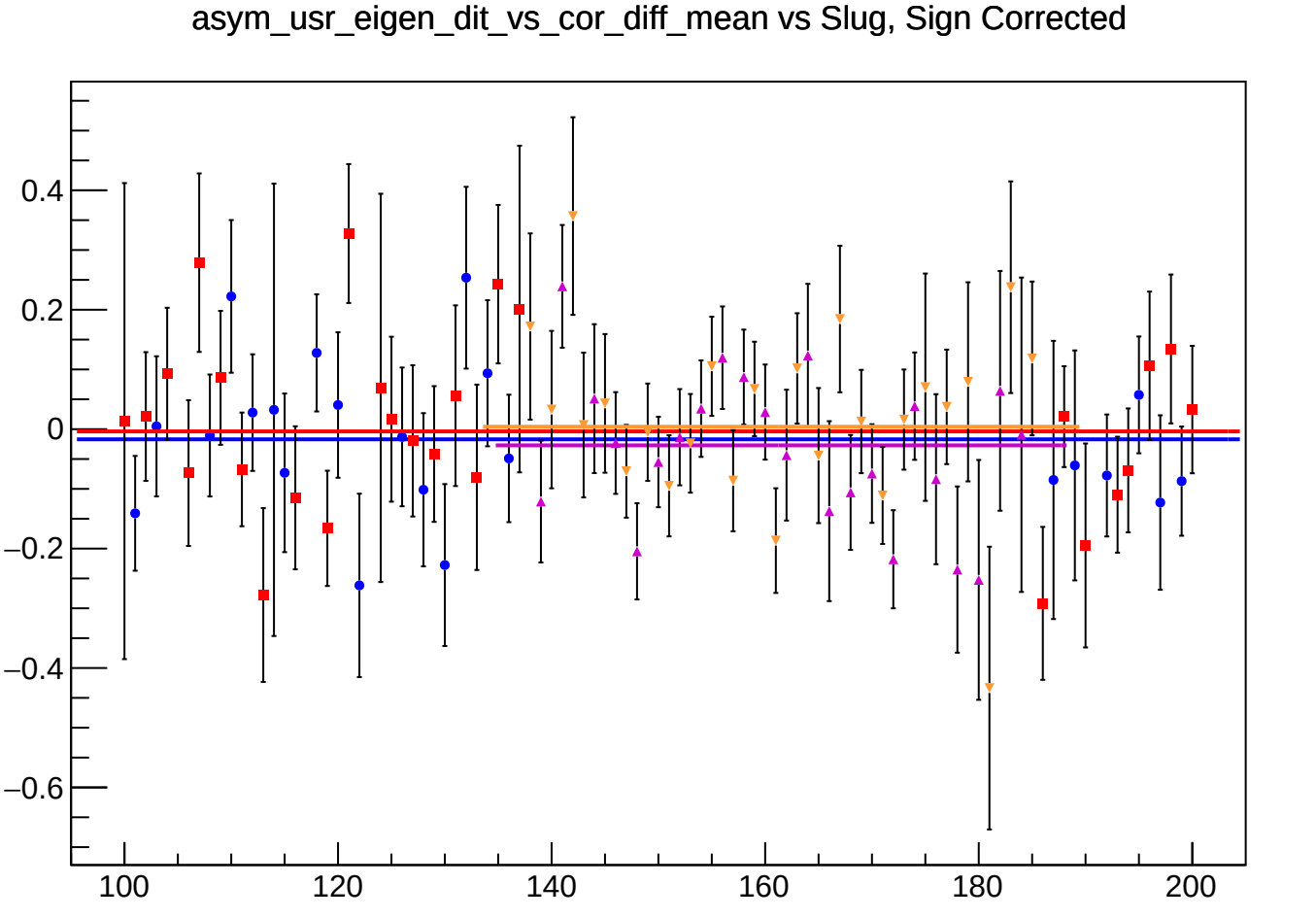
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 26377327.0/48

In: 0.003+/-0.000 χ^2/NDF:24558150.7/44

Out: 0.005+/-0.000 χ^2/NDF:9499397.7/51

All: 0.004+/-0.000 χ^2/NDF: 39600261.0/96


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
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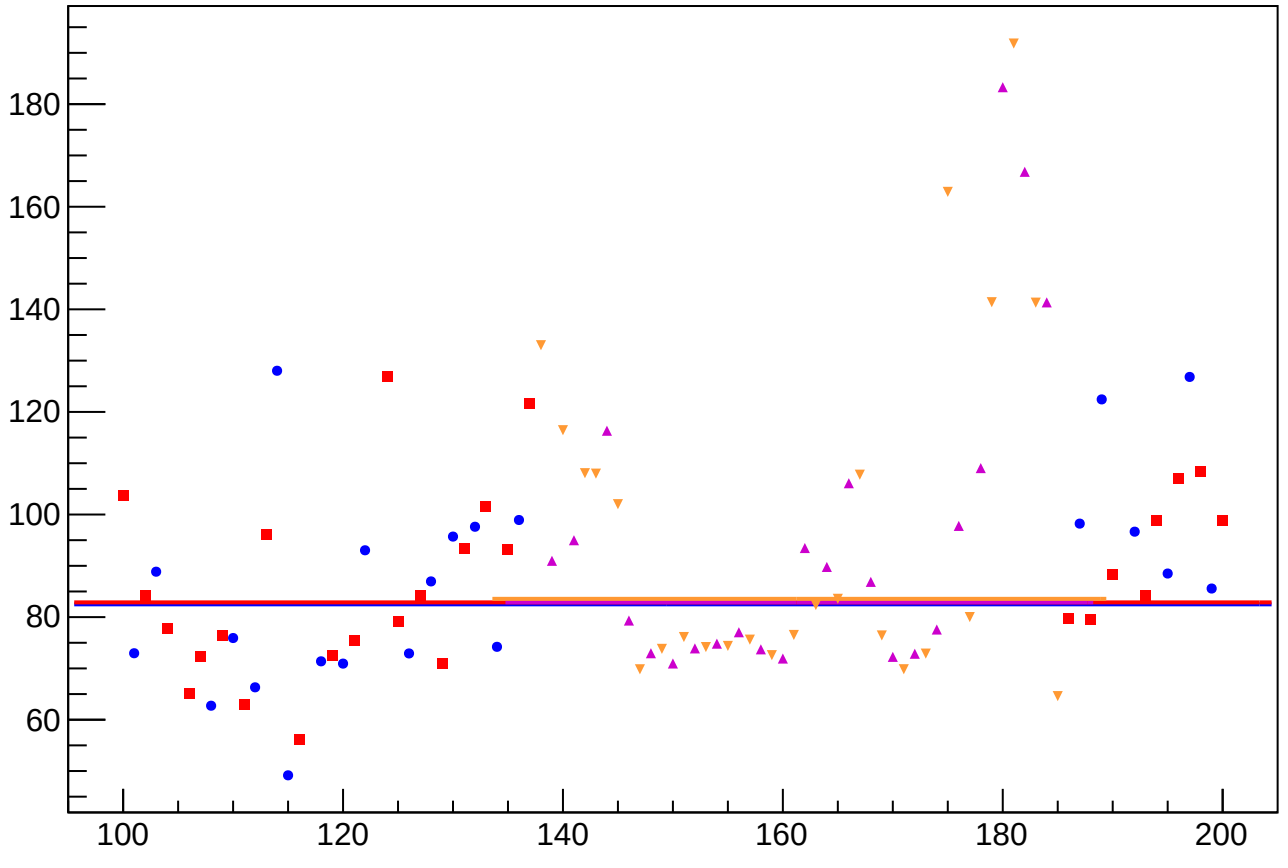
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.017+/-0.026 χ²/NDF: 19.6/21
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.004+/-0.024 χ²/NDF: 35.9/26
Left In: -0.027+/-0.021 χ²/NDF:32.0/22
Left: -0.011+/-0.014 χ²/NDF: 61.3/47
Right: -0.010+/-0.017 χ²/NDF: 55.7/48
In: -0.023+/-0.016 χ²/NDF:51.7/44
Out: 0.001+/-0.015 χ²/NDF:64.1/51
All: -0.011+/-0.011 χ²/NDF: 117.0/96



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

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

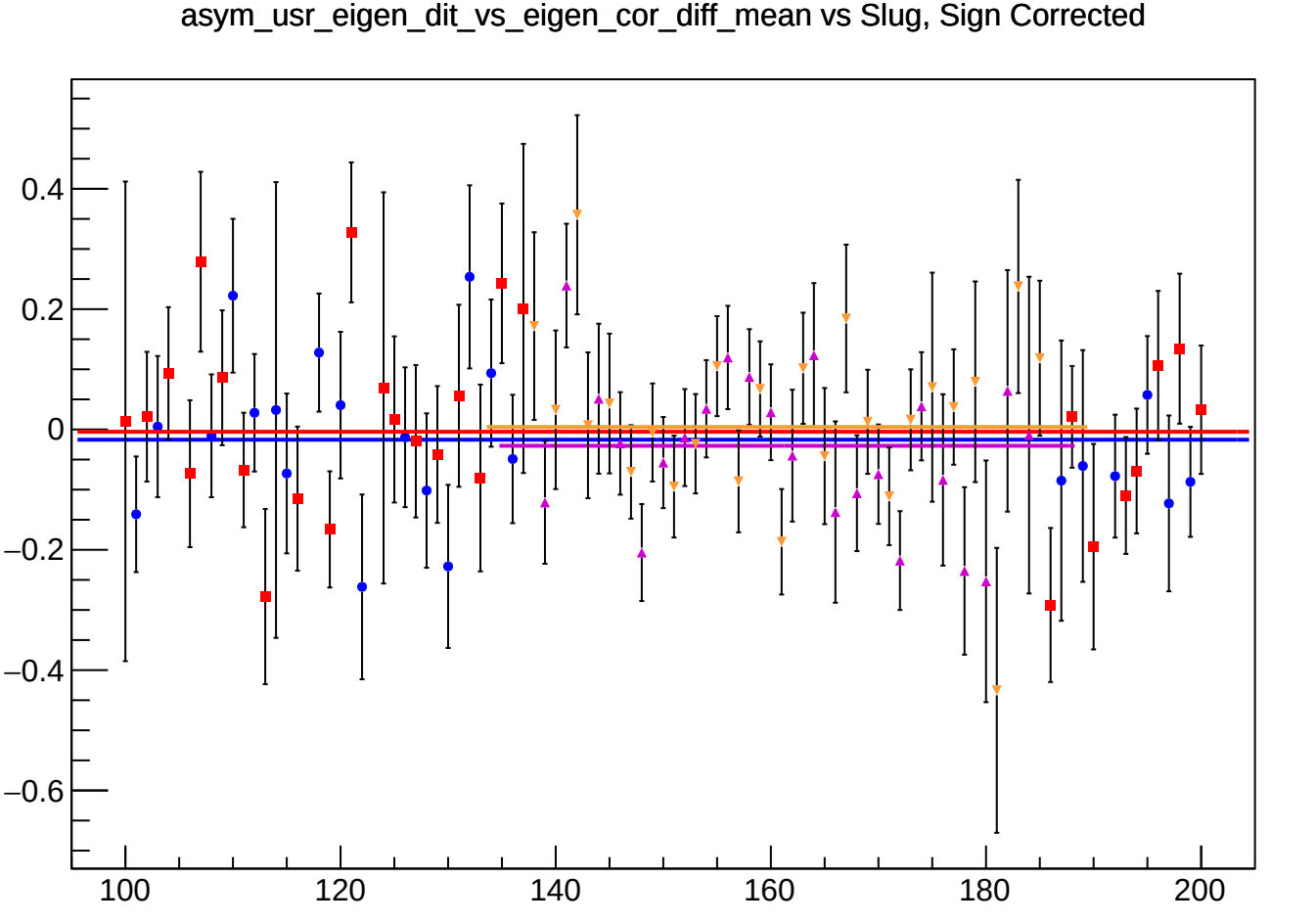
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.700+/-0.012 χ^2/NDF: 1519077.9/48

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 83.273+/-0.011 χ^2/NDF:2885092.4/51

All: 83.015+/-0.008 χ^2/NDF: 5267177.8/96



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

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

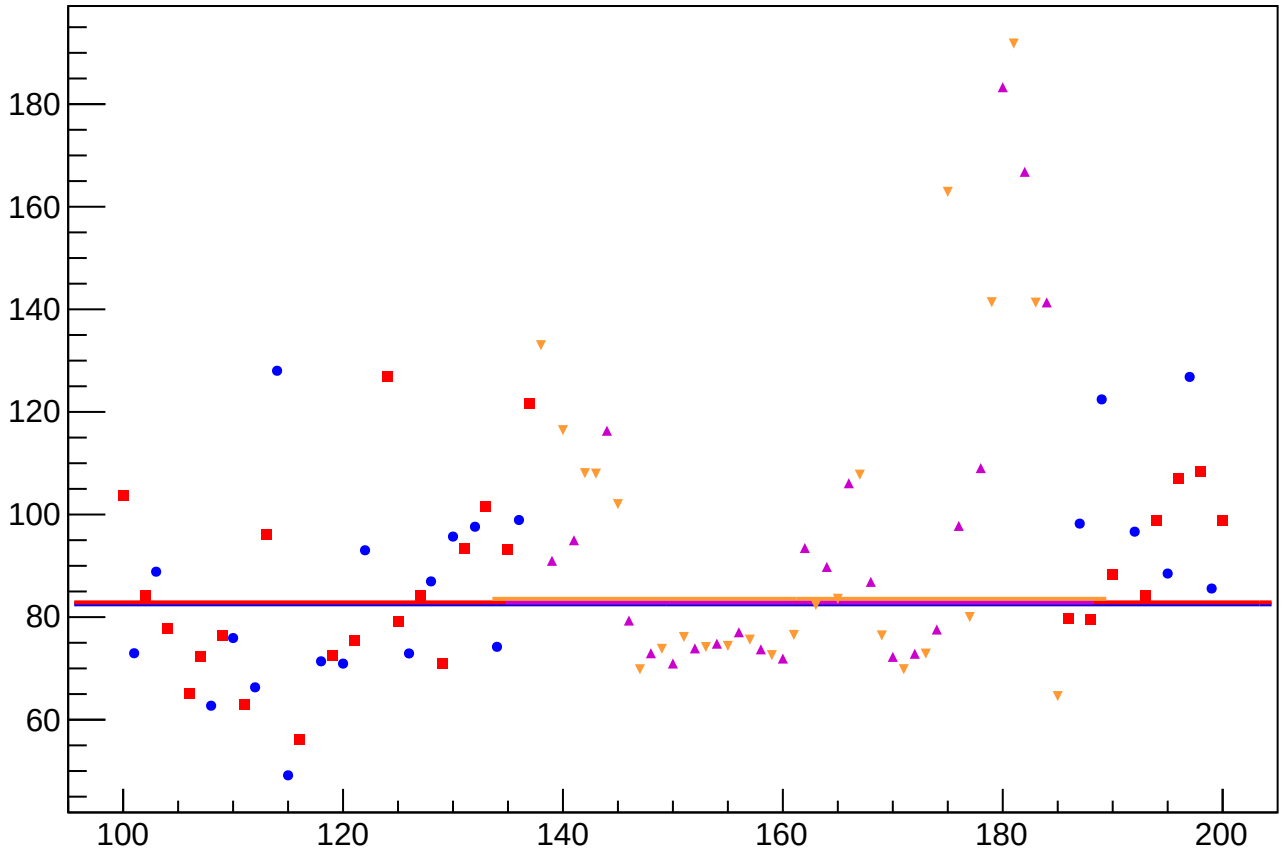
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.010+/-0.017 χ^2/NDF: 55.7/48

In: -0.023+/-0.016 χ^2/NDF:51.7/44

Out: 0.001+/-0.015 χ^2/NDF:64.1/51

All: -0.011+/-0.011 χ^2/NDF: 117.0/96



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

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

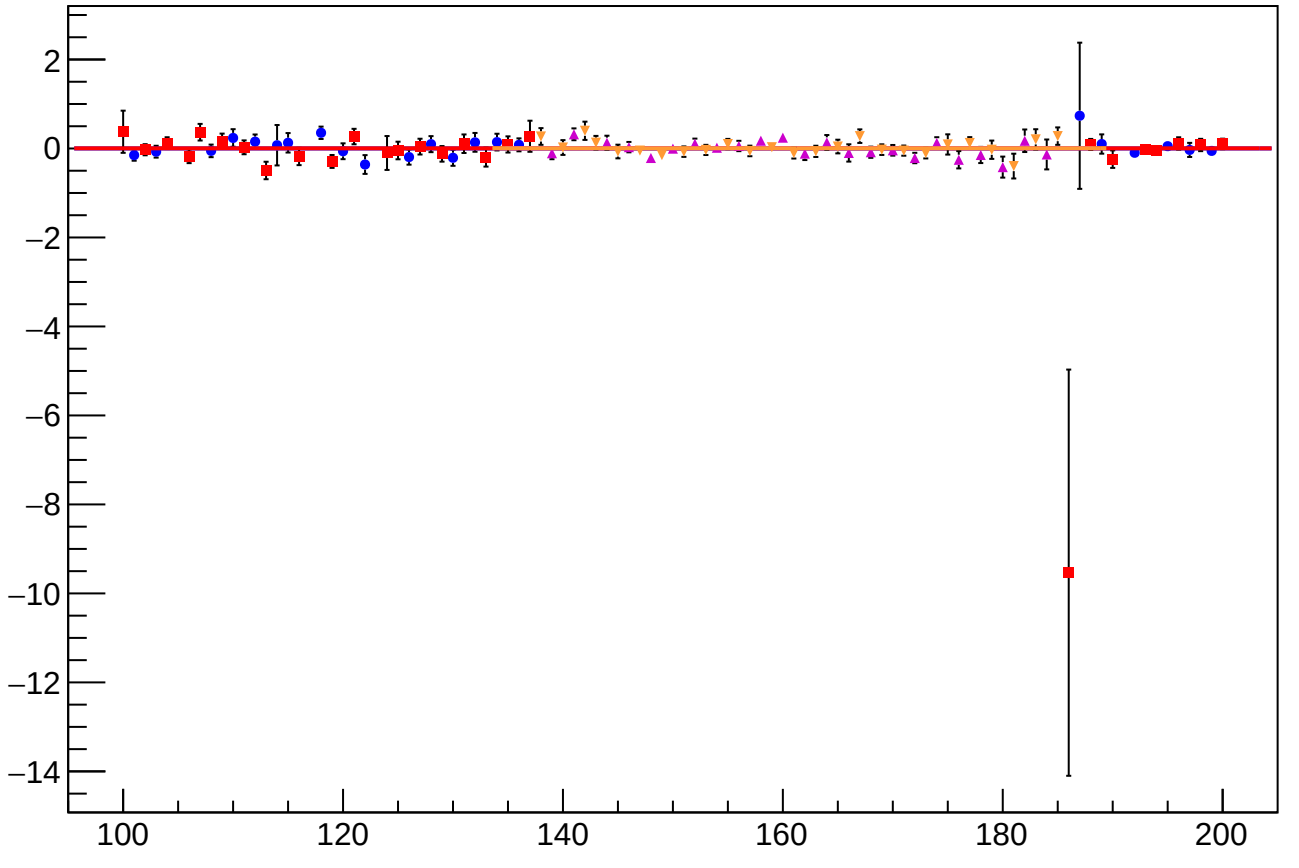
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.700+/-0.012 χ^2/NDF: 1519077.9/48

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 83.273+/-0.011 χ^2/NDF:2885092.4/51

All: 83.015+/-0.008 χ^2/NDF: 5267177.8/96



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

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

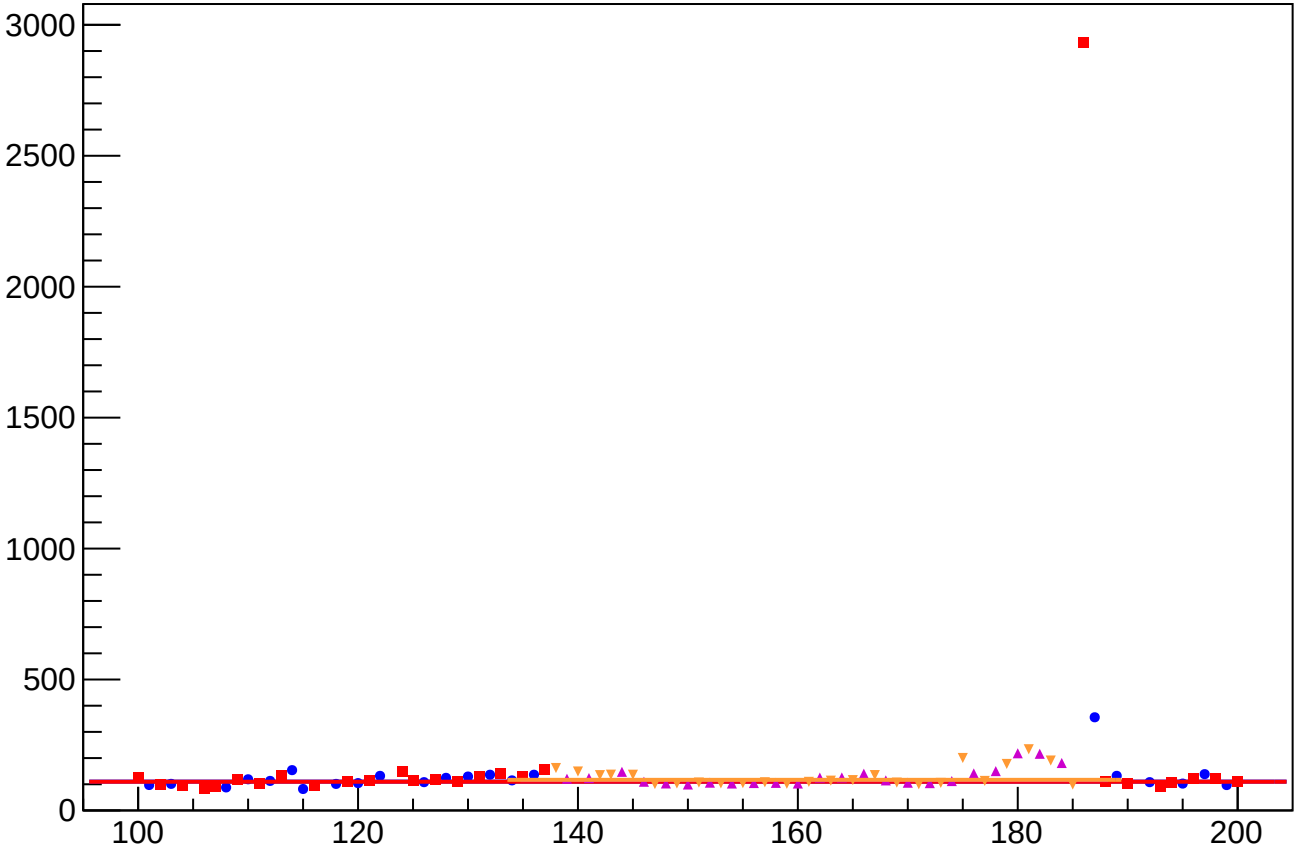
Right: 0.002+/-0.023 χ^2/NDF: 52.2/48

In: 0.006+/-0.022 χ^2/NDF:51.3/44

Out: 0.005+/-0.021 χ^2/NDF:53.5/51

All: 0.006+/-0.015 χ^2/NDF: 104.9/96

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.168+/-0.024 χ^2/NDF: 472568.5/21

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

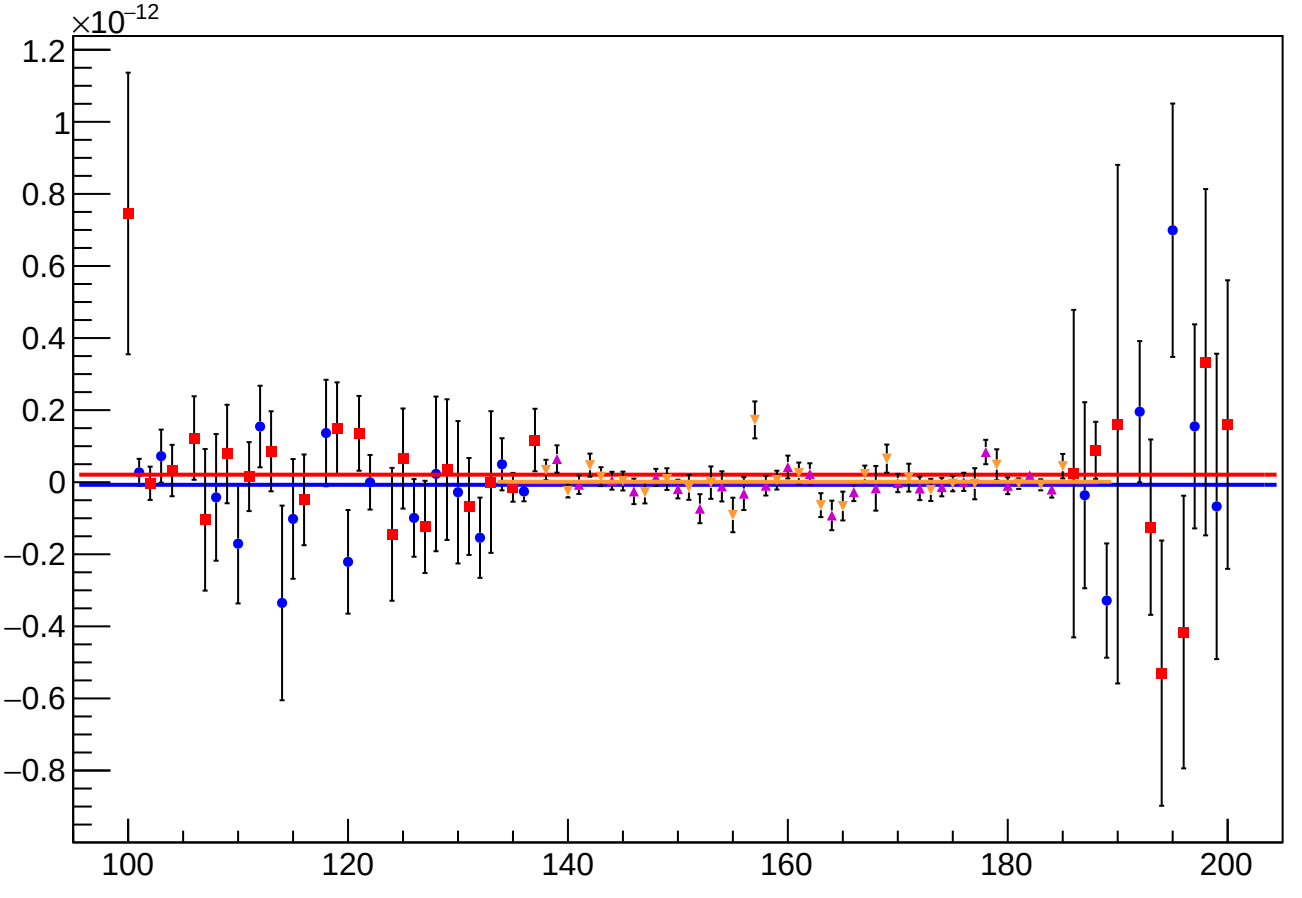
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.909+/-0.016 χ^2/NDF: 1643404.8/48

In: 113.532+/-0.015 χ^2/NDF:1737314.9/44

Out: 113.714+/-0.015 χ^2/NDF:2826643.3/51

All: 113.627+/-0.011 χ^2/NDF: 4564032.2/96



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

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

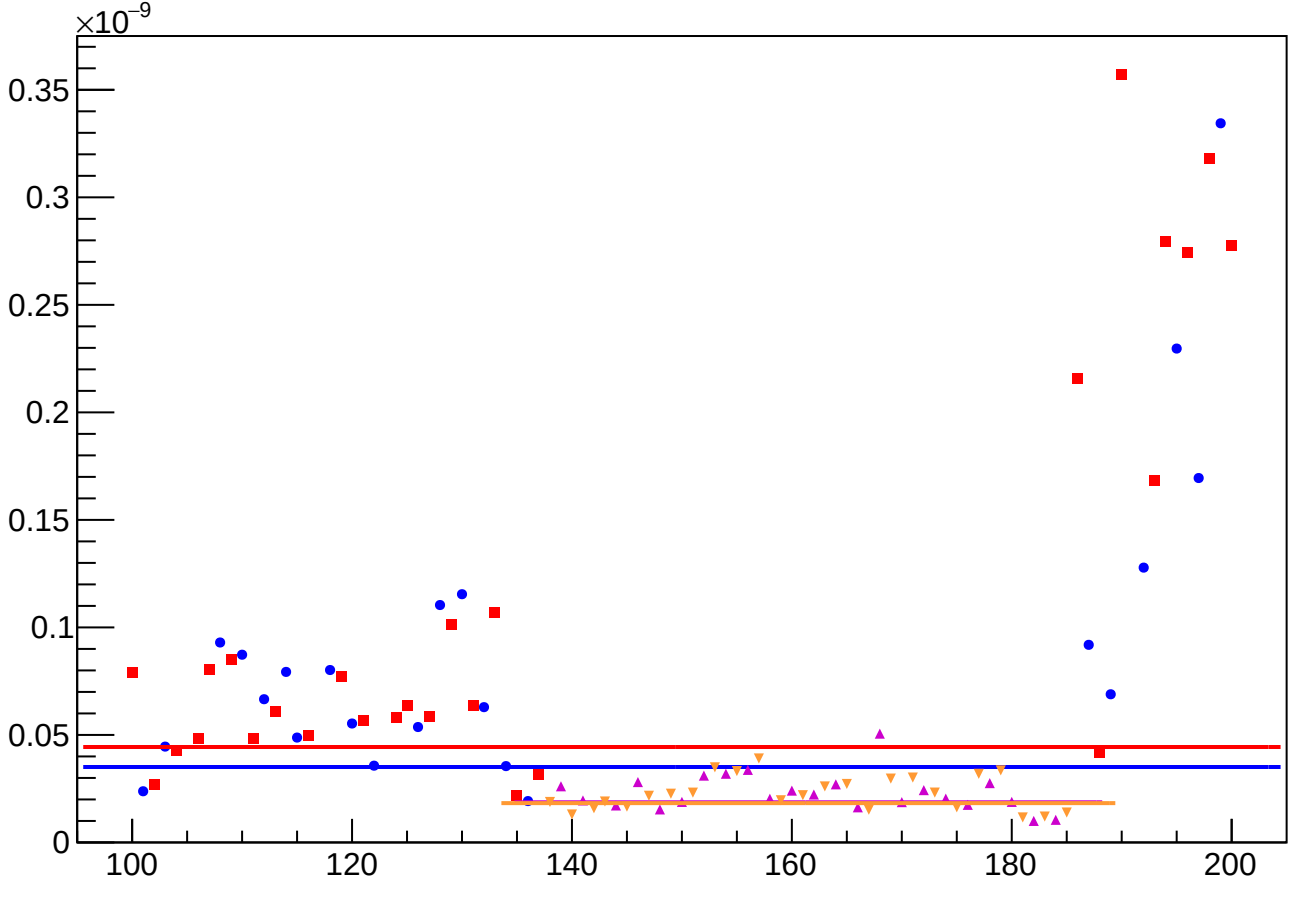
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 42.1/48

In: -0.000+/-0.000 χ^2/NDF:50.1/44

Out: 0.000+/-0.000 χ^2/NDF:55.3/51

All: 0.000+/-0.000 χ^2/NDF: 105.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5214624.5/21

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

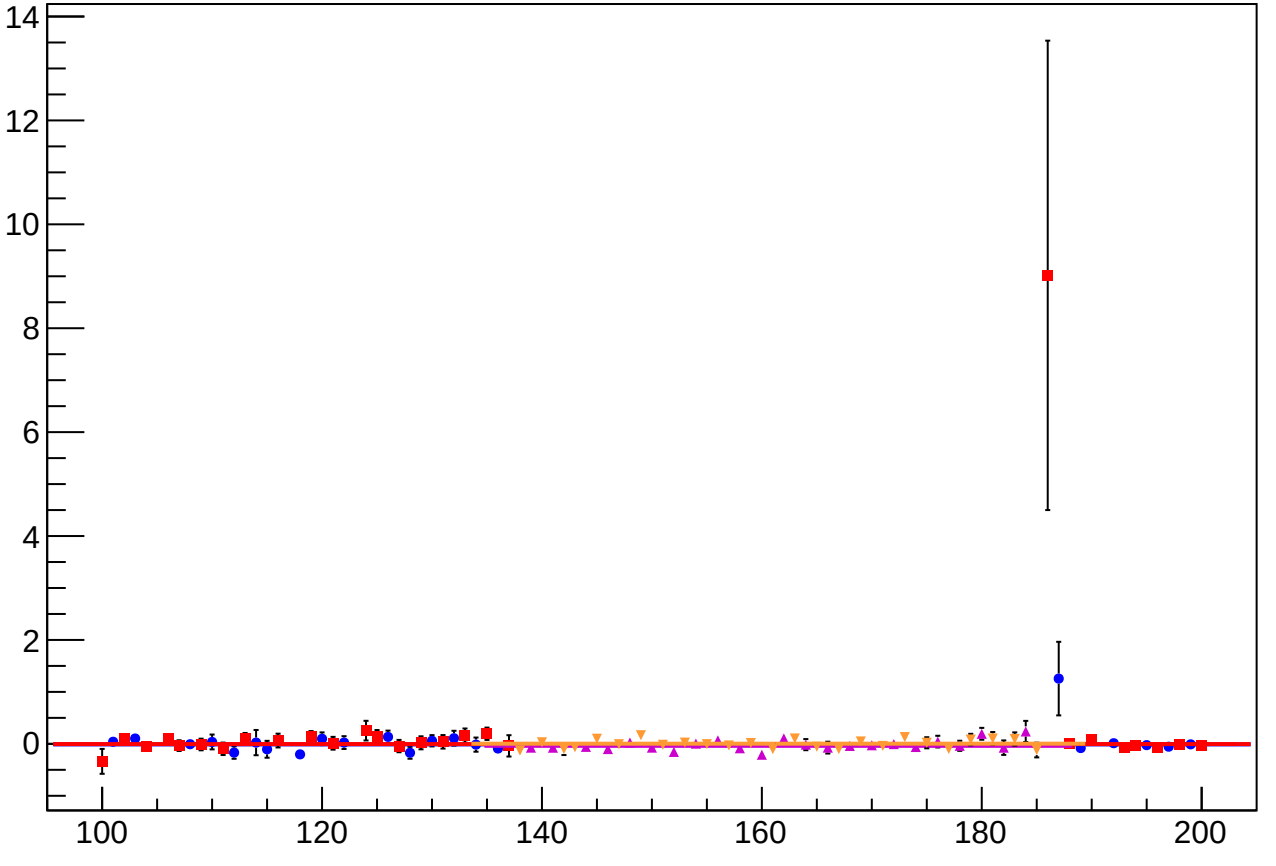
Right: 0.000+/-0.000 χ^2/NDF: 11463687.3/48

In: 0.000+/-0.000 χ^2/NDF:9695791.2/44

Out: 0.000+/-0.000 χ^2/NDF:12150298.1/51

All: 0.000+/-0.000 χ^2/NDF: 21847113.4/96

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

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

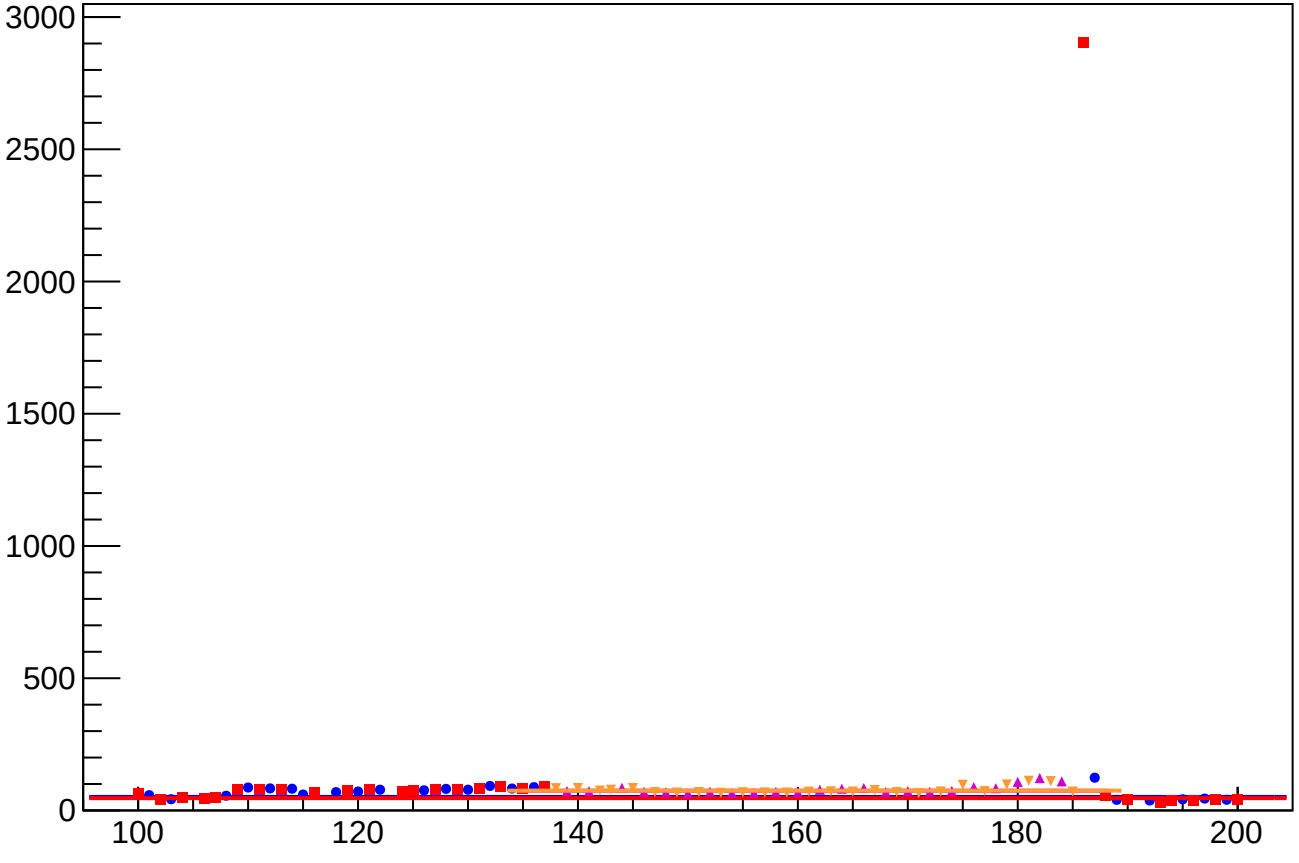
Right: -0.007+/-0.011 χ^2/NDF: 55.7/48

In: -0.023+/-0.012 χ^2/NDF:45.5/44

Out: -0.002+/-0.011 χ^2/NDF:54.7/51

All: -0.011+/-0.008 χ^2/NDF: 101.9/96

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

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

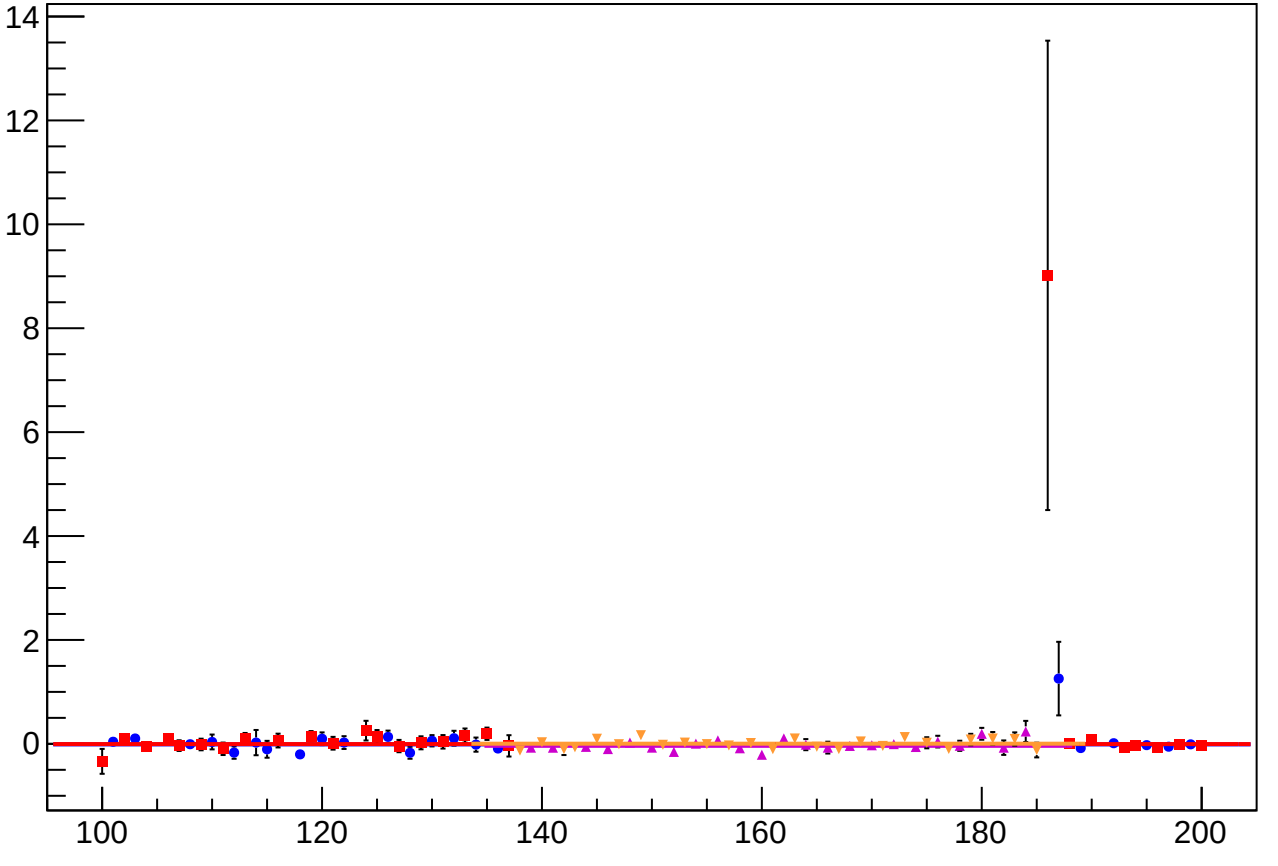
Right: 48.521+/-0.008 χ^2/NDF: 5700146.3/48

In: 61.783+/-0.009 χ^2/NDF:4675552.3/44

Out: 57.766+/-0.008 χ^2/NDF:7430591.7/51

All: 59.589+/-0.006 χ^2/NDF: 12227546.8/96

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

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

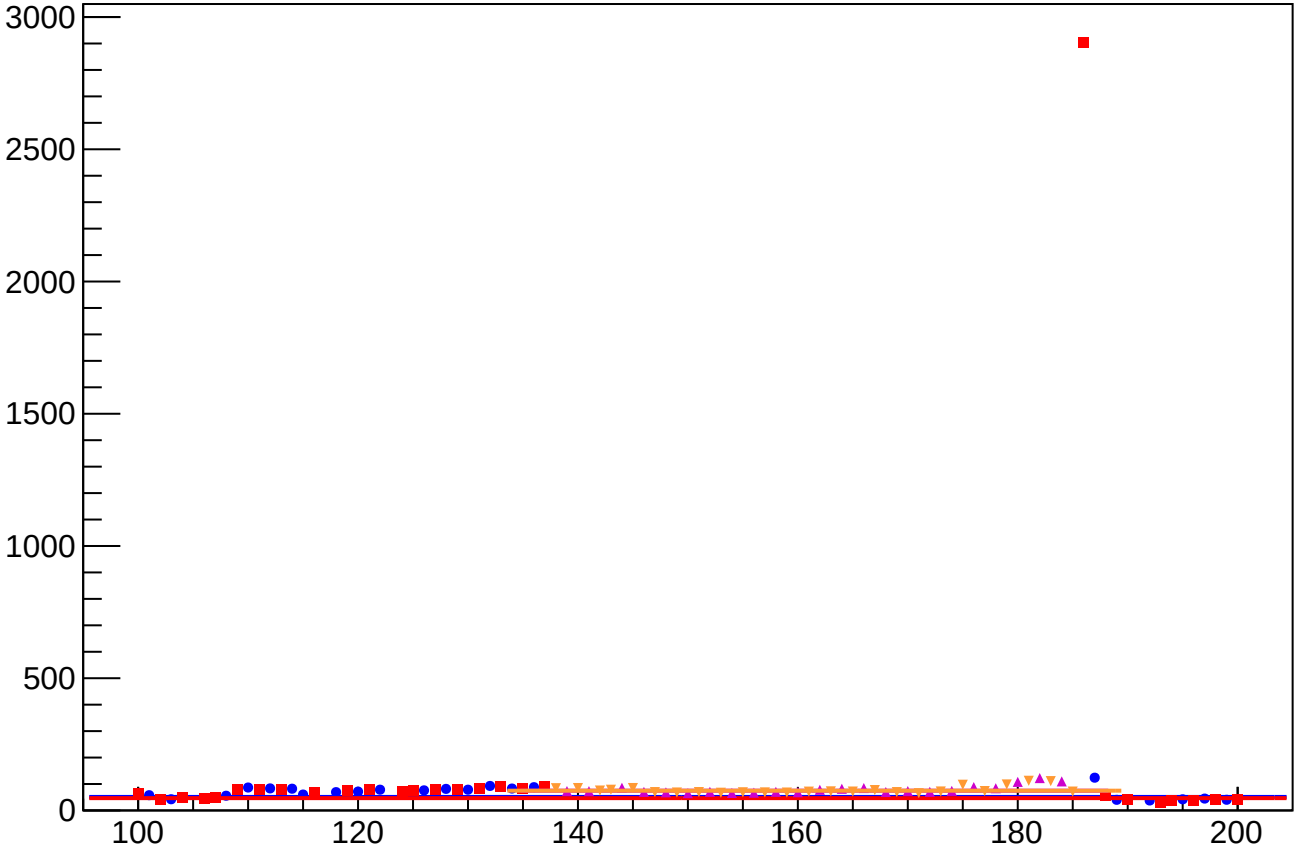
Right: -0.007+/-0.011 χ^2/NDF: 55.7/48

In: -0.023+/-0.012 χ^2/NDF:45.5/44

Out: -0.002+/-0.011 χ^2/NDF:54.7/51

All: -0.011+/-0.008 χ^2/NDF: 101.9/96

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

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

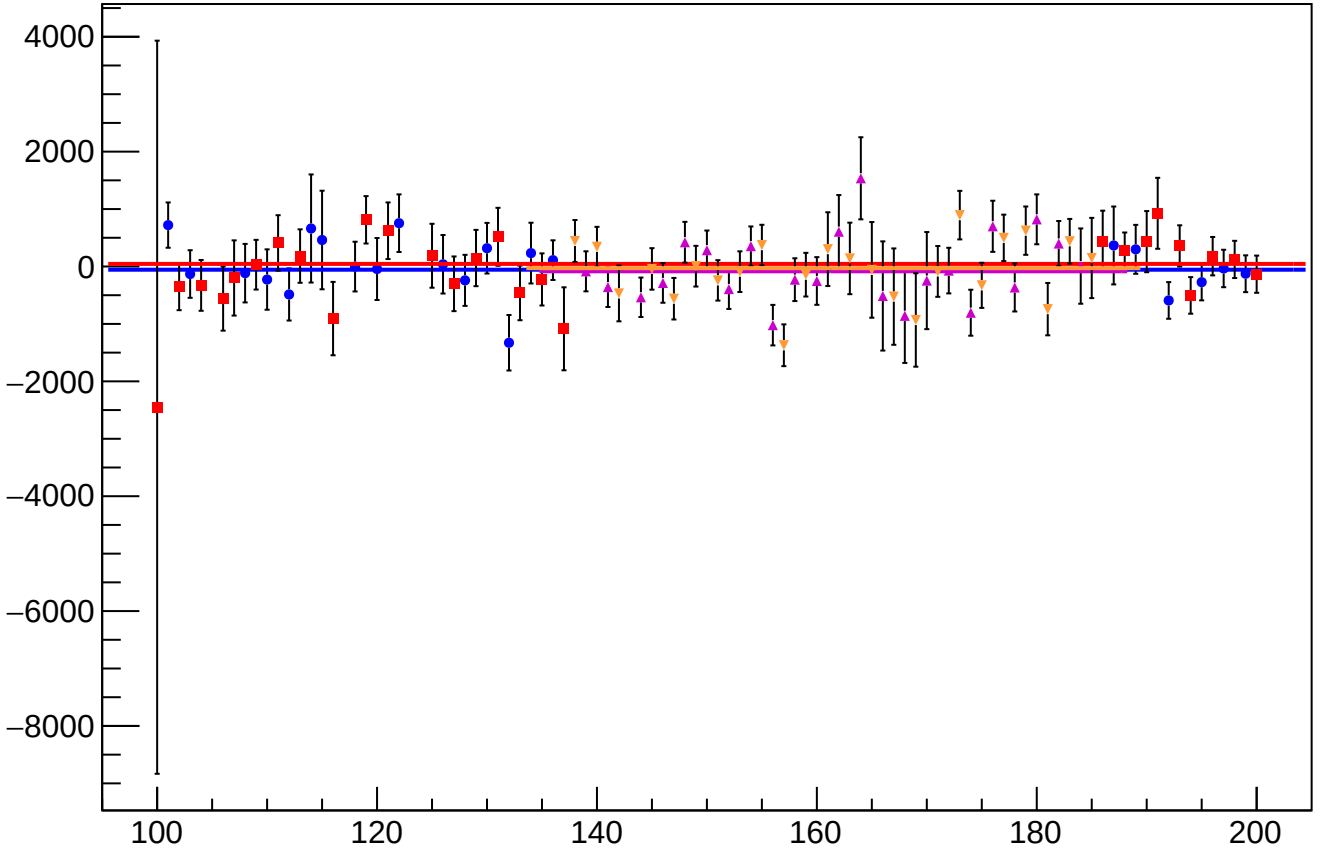
Right: 48.521+/-0.008 χ^2/NDF: 5700146.3/48

In: 61.783+/-0.009 χ^2/NDF:4675552.3/44

Out: 57.766+/-0.008 χ^2/NDF:7430591.7/51

All: 59.589+/-0.006 χ^2/NDF: 12227546.8/96

asym_dsl_mean vs Slug, Sign Corrected



Right In: -56.068+/-92.566 χ^2/NDF: 21.3/21

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

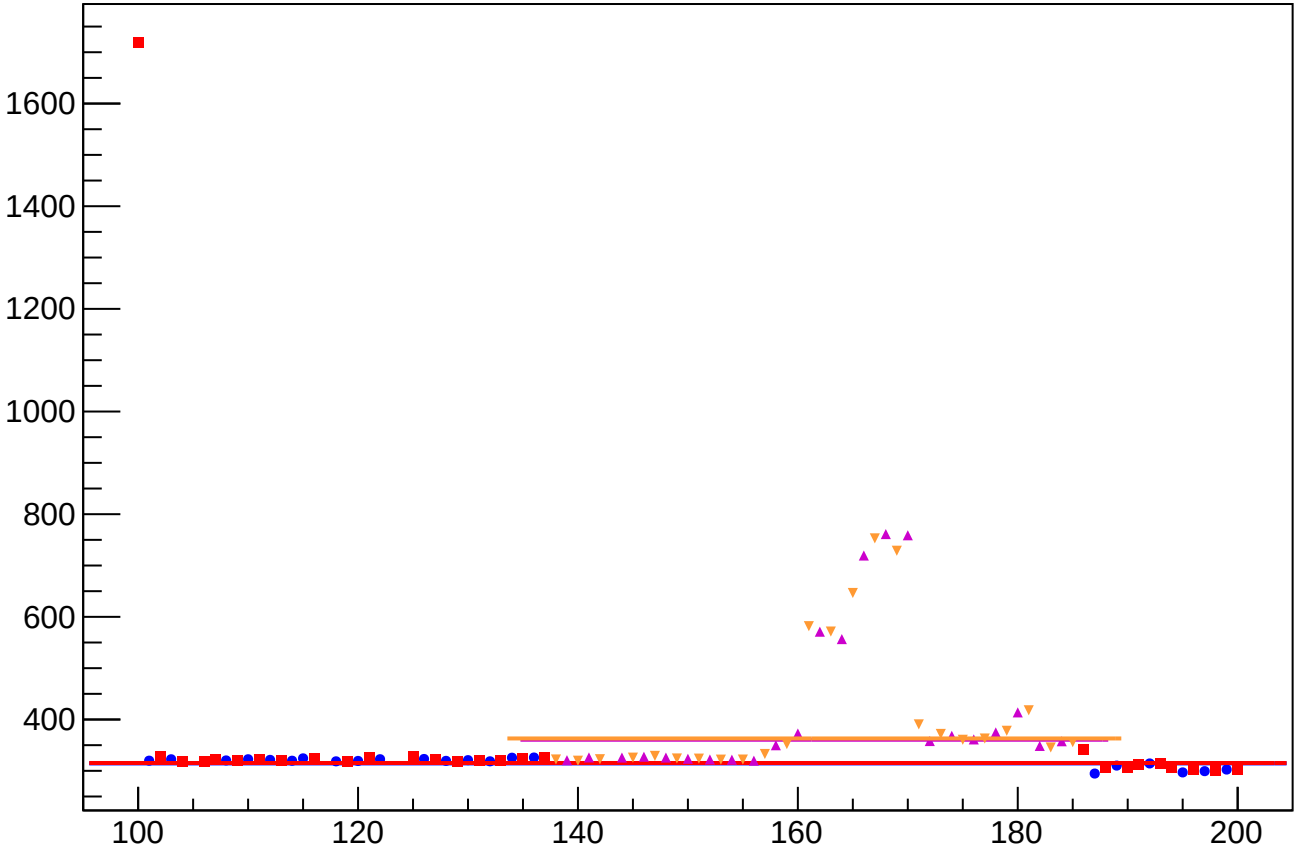
Right: -1.719+/-62.925 χ^2/NDF: 46.2/48

In: -70.833+/-63.191 χ^2/NDF:57.2/44

Out: 8.129+/-60.925 χ^2/NDF:61.2/50

All: -29.911+/-43.860 χ^2/NDF: 119.2/95

asym_dsl_rms vs Slug, Sign Corrected



Right In: 314.469+/-0.065 χ^2/NDF: 23056.0/21

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

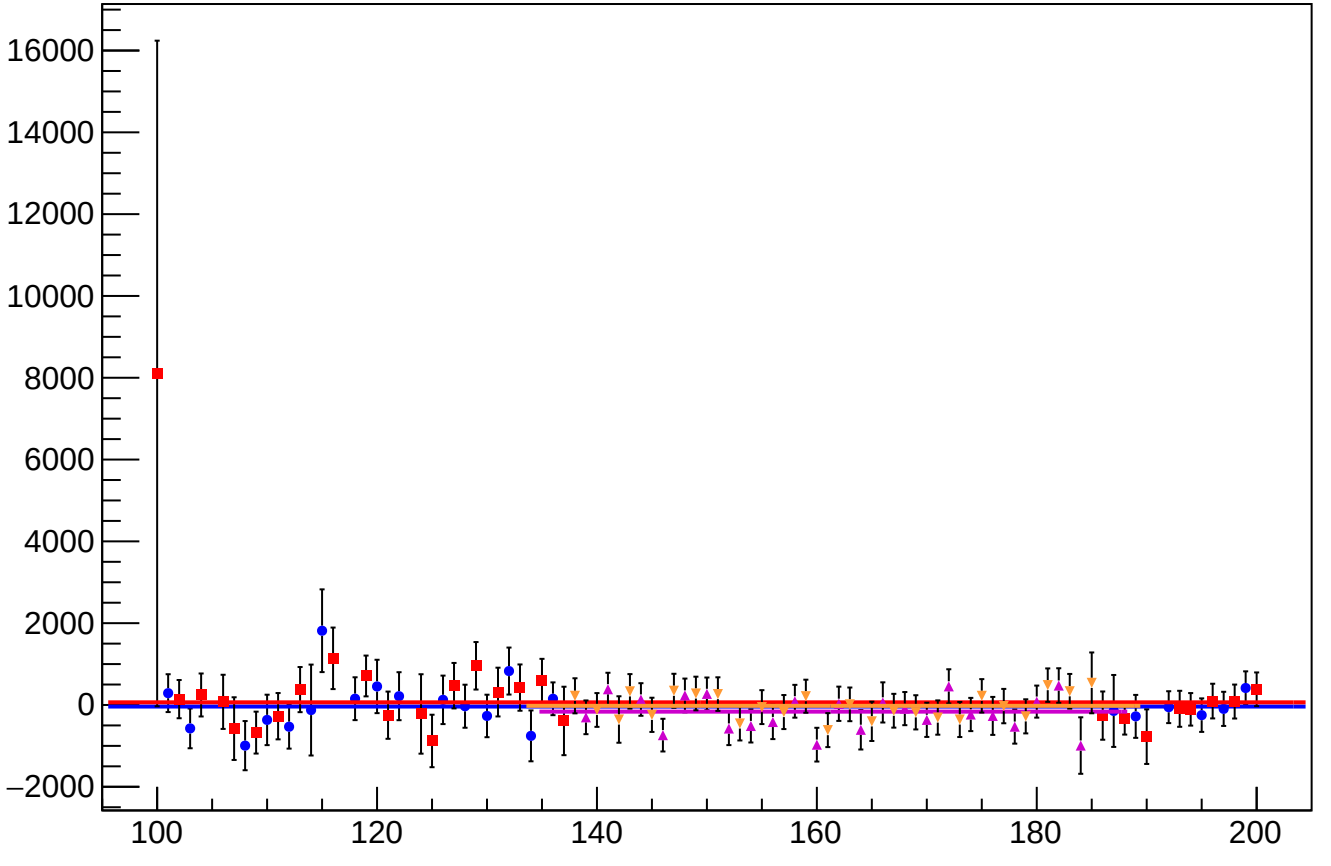
Right: 314.907+/-0.044 χ^2/NDF: 146364.2/48

In: 339.094+/-0.045 χ^2/NDF:2105816.8/44

Out: 338.978+/-0.043 χ^2/NDF:2226499.9/50

All: 339.034+/-0.031 χ^2/NDF: 4332320.3/95

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.155+/-111.986 χ^2/NDF: 15.5/21

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

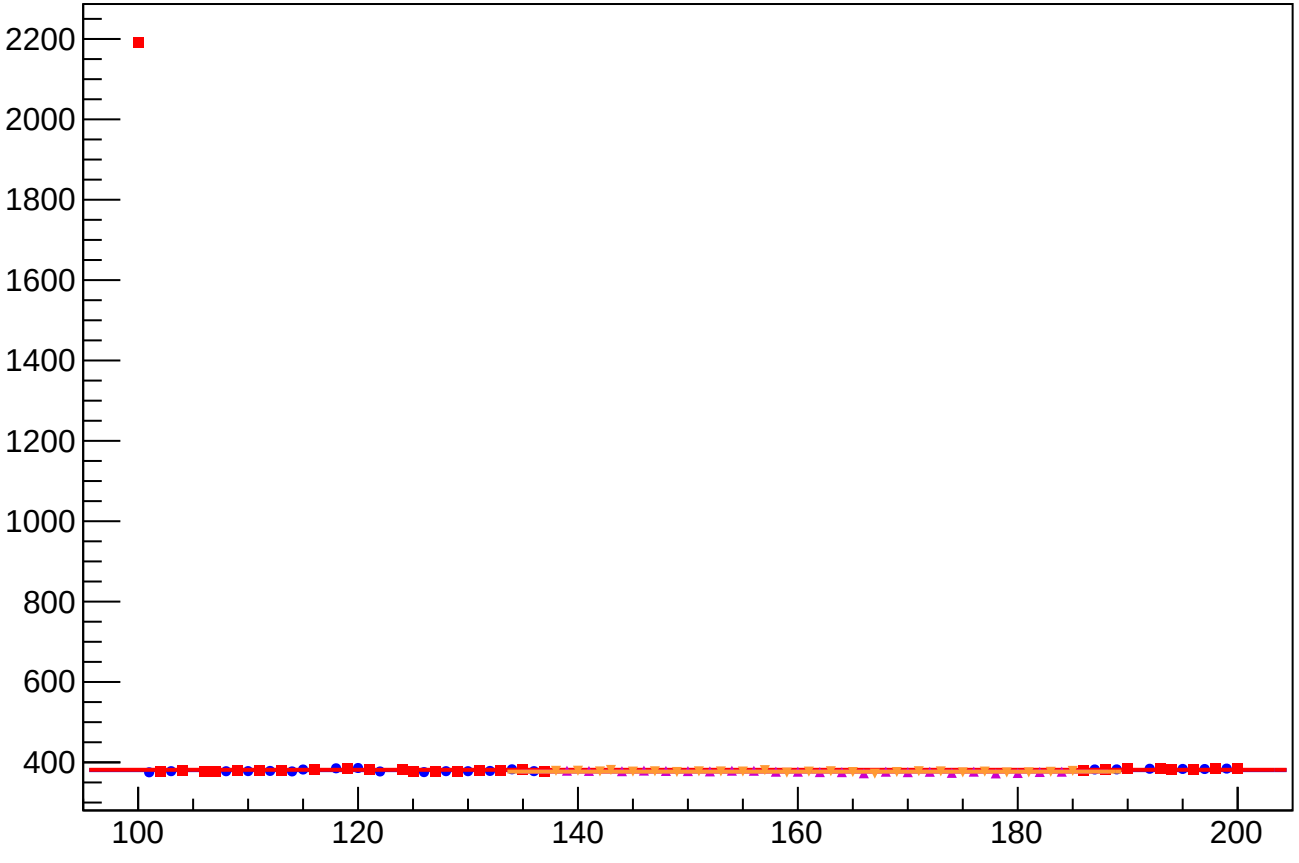
Right: 17.034+/-76.257 χ^2/NDF: 35.4/48

In: -115.339+/-69.189 χ^2/NDF:38.0/44

Out: 13.553+/-66.134 χ^2/NDF:32.5/51

All: -47.985+/-47.807 χ^2/NDF: 72.3/96

asym_dsr_rms vs Slug, Sign Corrected



Right In: 380.647+/-0.079 χ^2/NDF: 1706.9/21

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

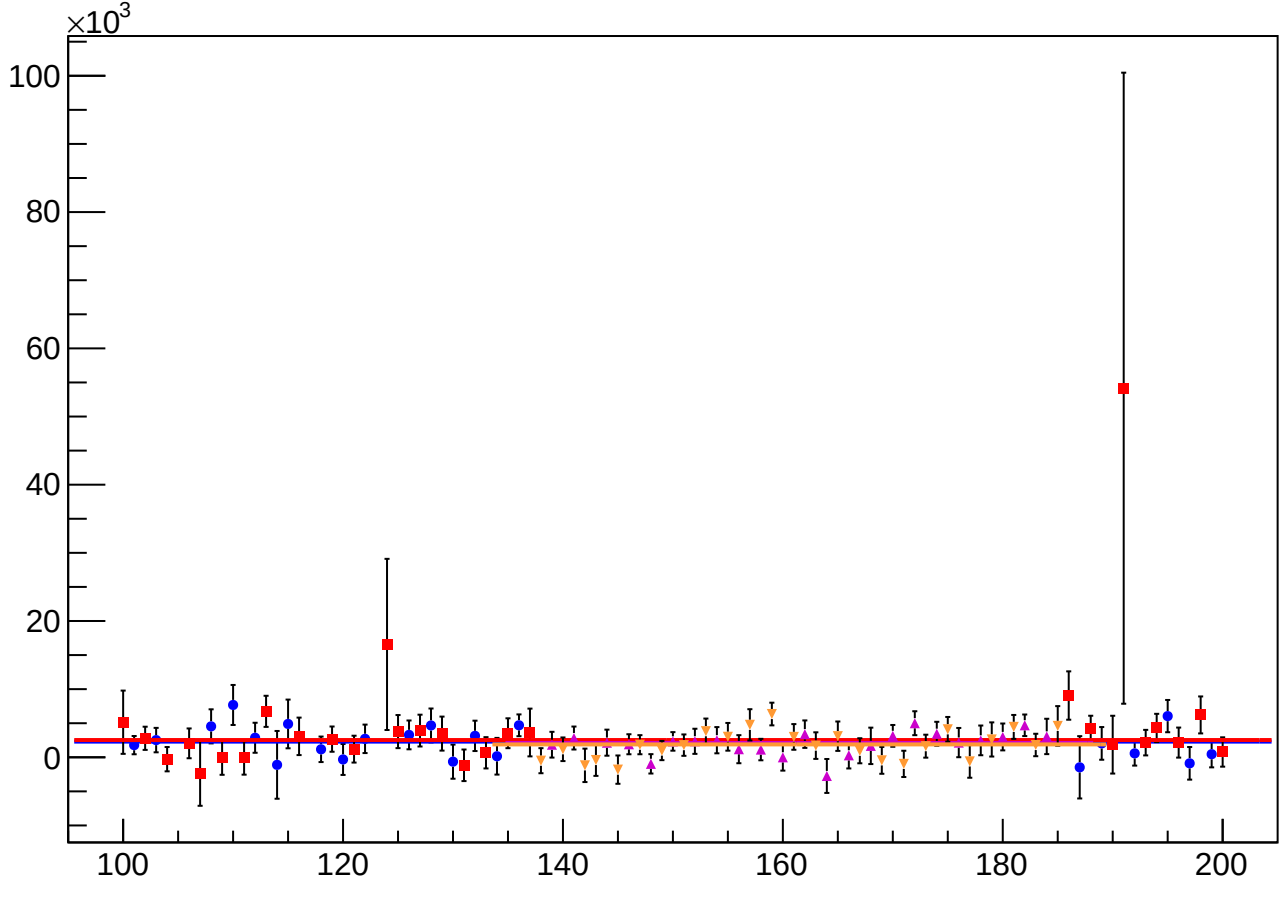
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 381.090+/-0.054 χ^2/NDF: 102181.4/48

In: 378.297+/-0.049 χ^2/NDF:4205.4/44

Out: 378.749+/-0.047 χ^2/NDF:103770.7/51

All: 378.533+/-0.034 χ^2/NDF: 108020.7/96



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

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

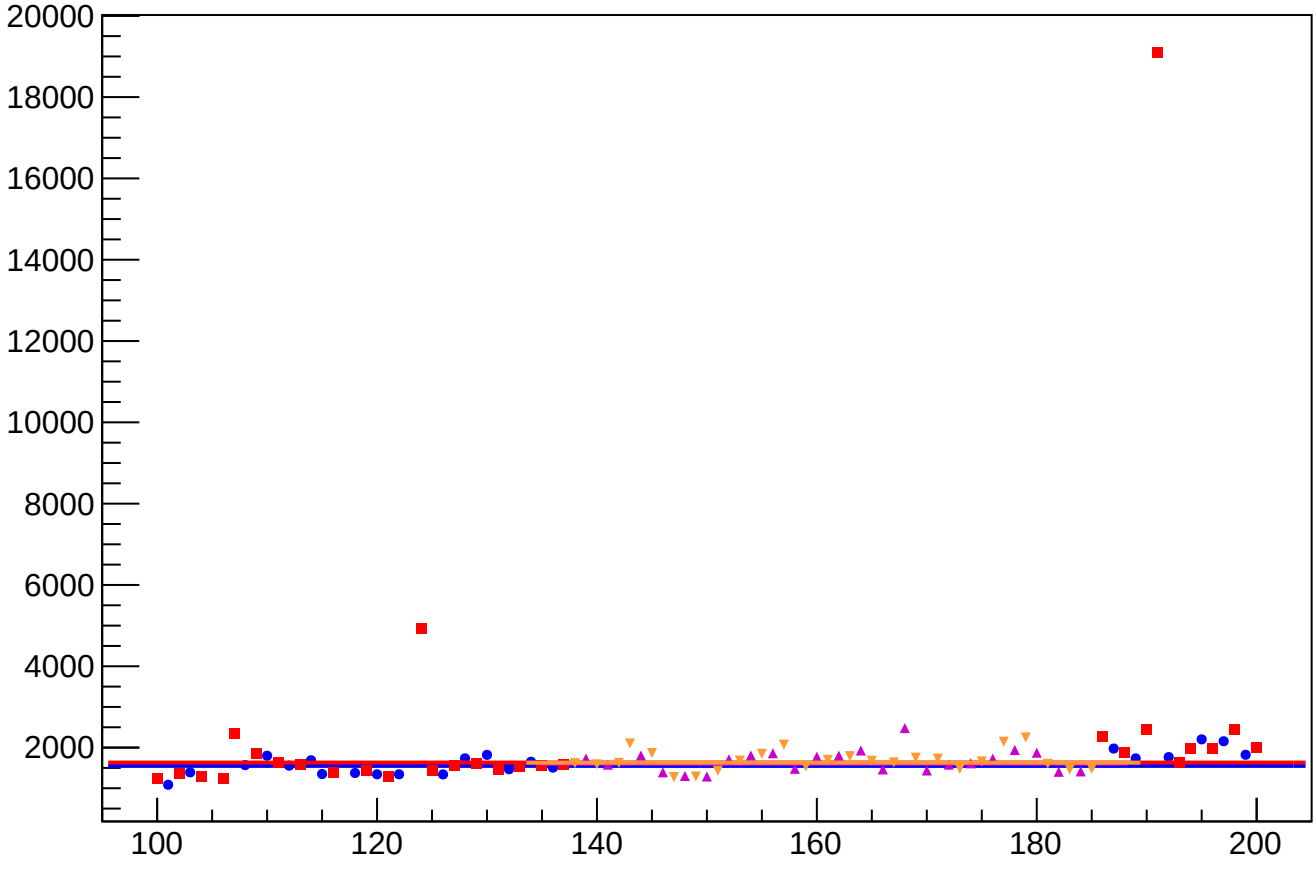
Right: 2420.380+/-325.644 χ^2/NDF: 43.8/49

In: 2184.280+/-294.022 χ^2/NDF:38.1/44

Out: 2150.448+/-289.610 χ^2/NDF:53.8/52

All: 2167.108+/-206.328 χ^2/NDF: 91.9/97

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

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

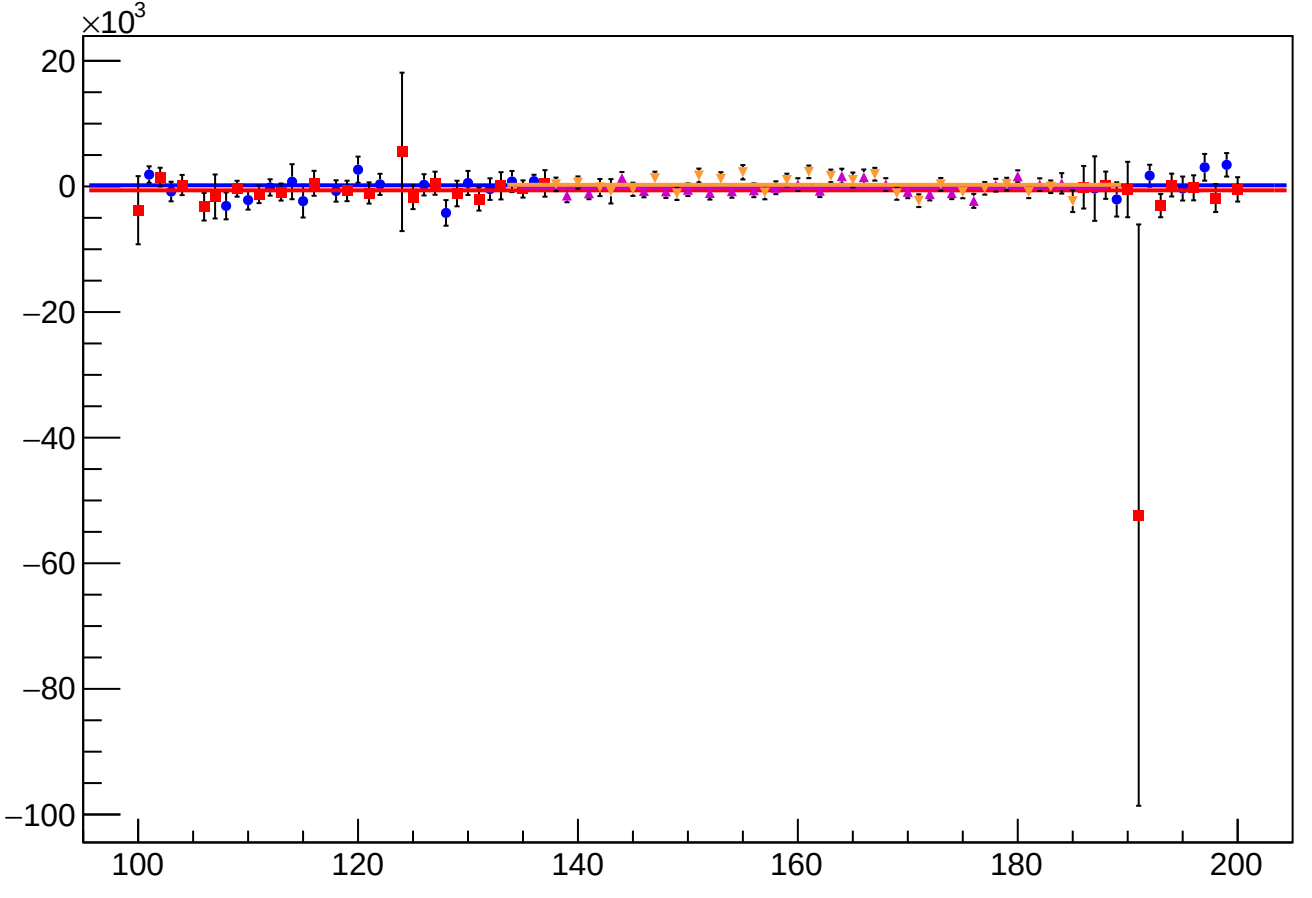
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1591.806+/-0.230 χ^2/NDF: 2138578.8/49

In: 1580.914+/-0.208 χ^2/NDF:1580319.1/44

Out: 1629.870+/-0.205 χ^2/NDF:2114189.0/52

All: 1605.762+/-0.146 χ^2/NDF: 3722650.6/97



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

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

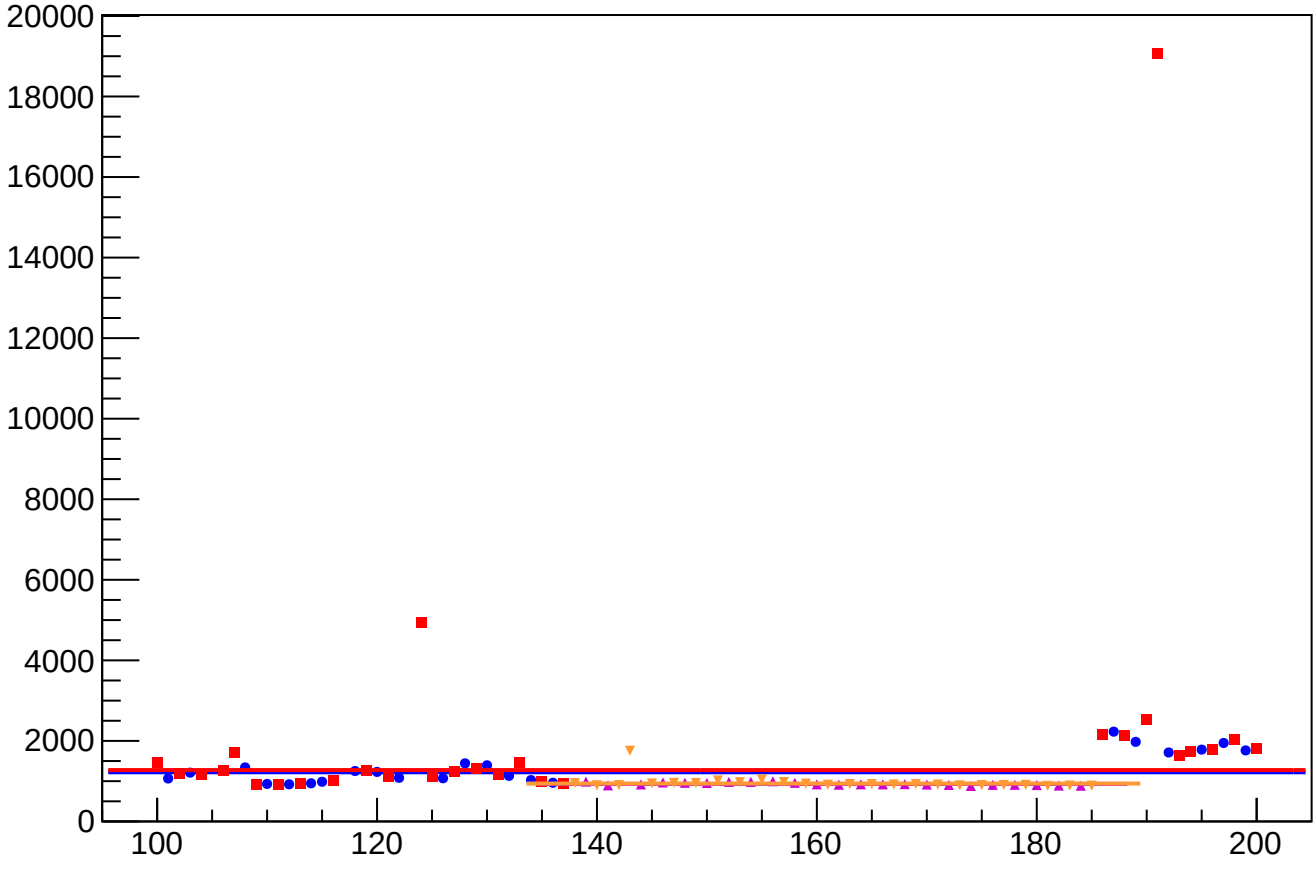
Right: -228.338+/-259.876 χ^2/NDF: 34.2/49

In: -153.022+/-187.859 χ^2/NDF:43.8/44

Out: 34.144+/-185.011 χ^2/NDF:48.7/52

All: -58.010+/-131.818 χ^2/NDF: 93.0/97

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

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

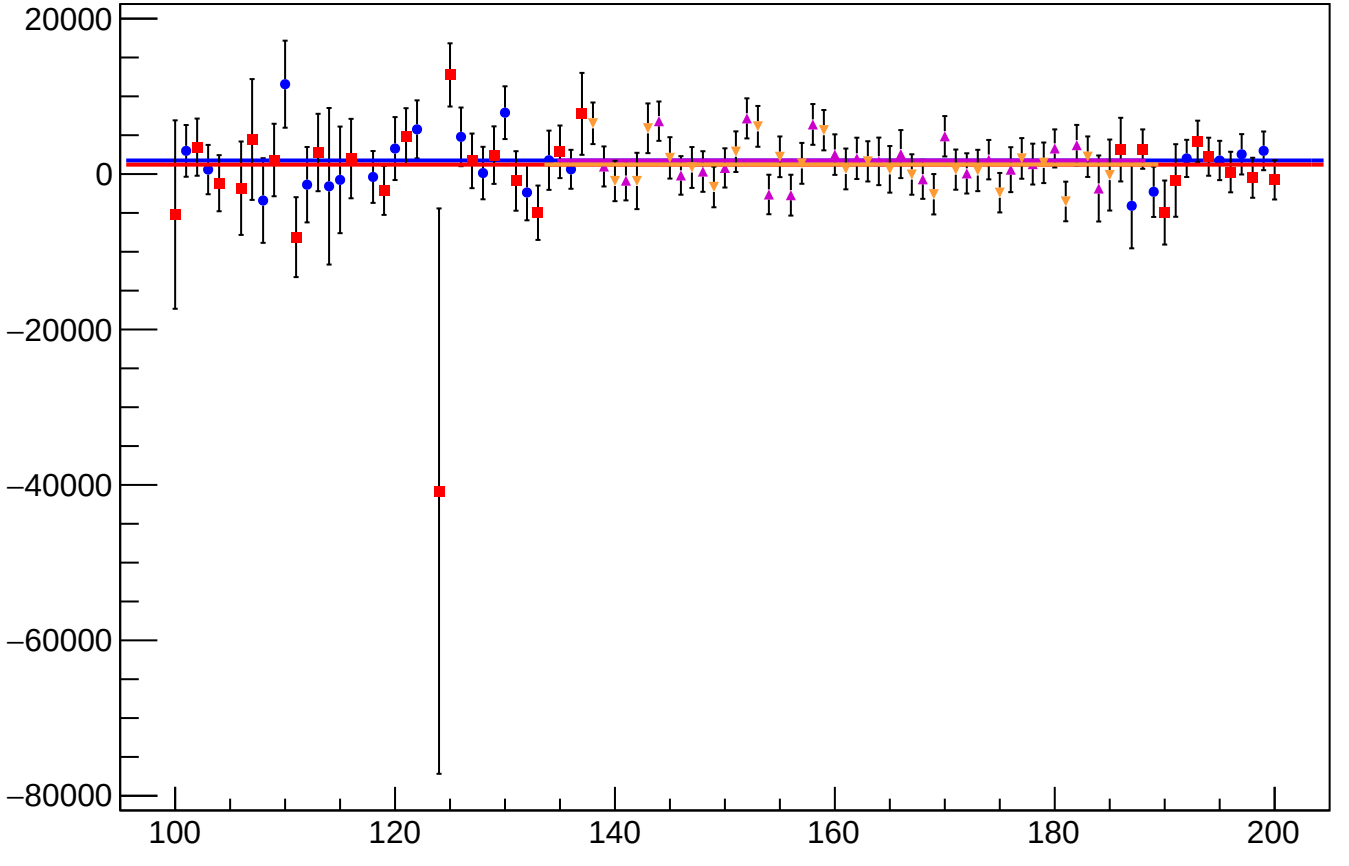
Right: 1248.924+/-0.184 χ^2/NDF: 3957171.3/49

In: 1005.386+/-0.133 χ^2/NDF:2393257.6/44

Out: 1027.809+/-0.131 χ^2/NDF:4166962.1/52

All: 1016.769+/-0.093 χ^2/NDF: 6574685.5/97

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1746.171+/-730.908 χ^2/NDF: 15.3/21

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

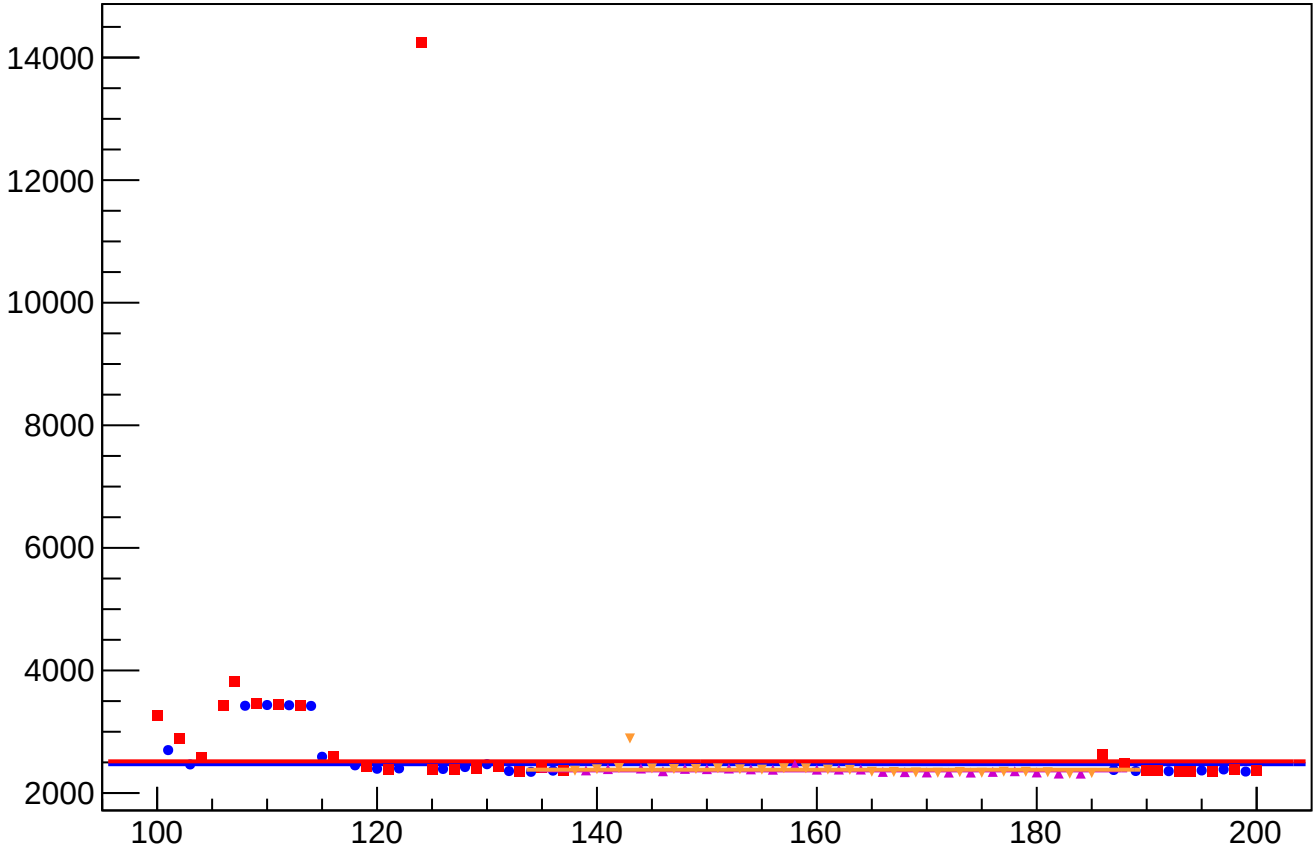
Right: 1462.506+/-501.077 χ^2/NDF: 43.3/49

In: 1743.348+/-441.129 χ^2/NDF:39.7/44

Out: 1225.649+/-425.474 χ^2/NDF:51.5/52

All: 1475.149+/-306.241 χ^2/NDF: 91.9/97

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.435+/-0.517 χ^2/NDF: 255177.0/21

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

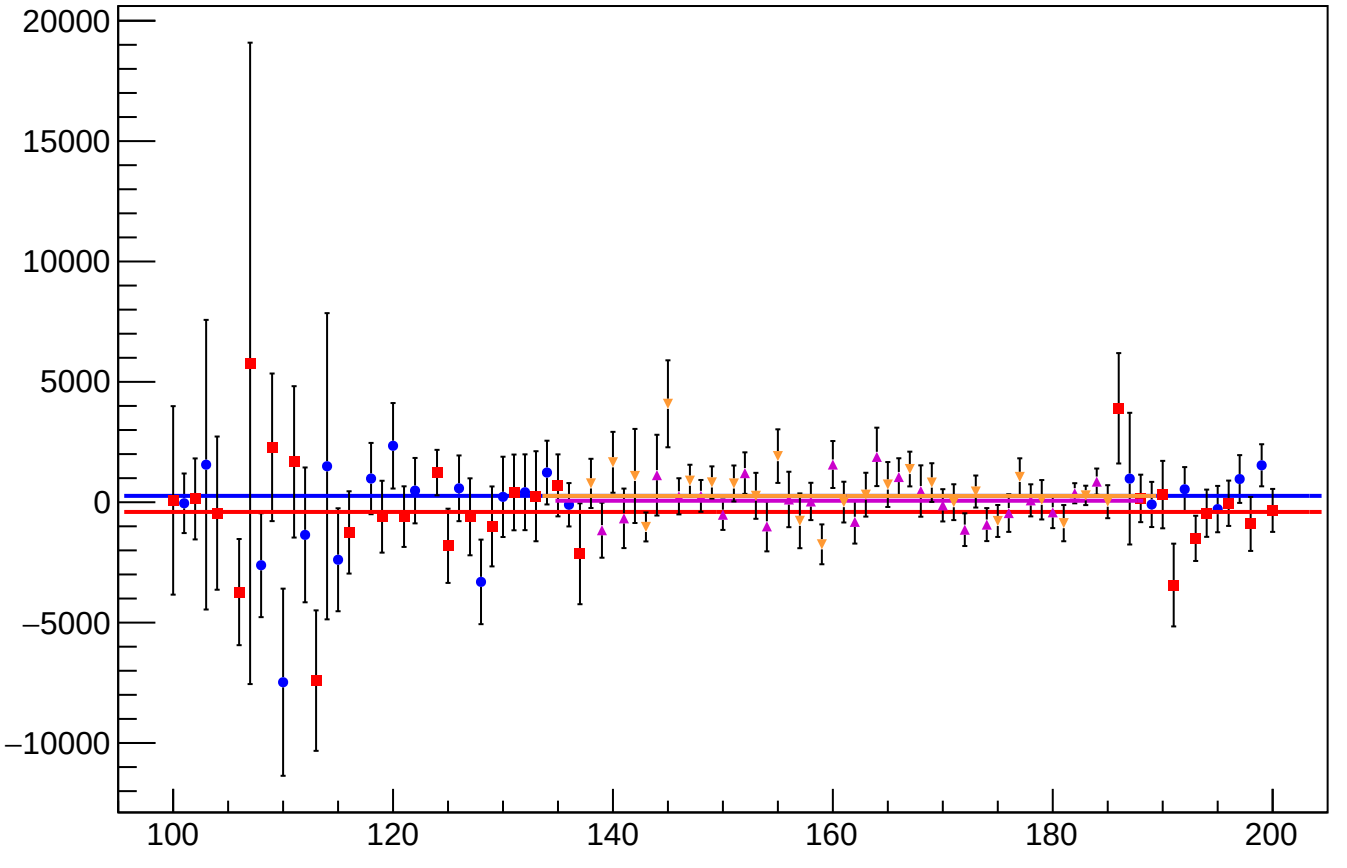
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2495.230+/-0.354 χ^2/NDF: 874119.1/49

In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2433.200+/-0.301 χ^2/NDF:720457.1/52

All: 2420.184+/-0.217 χ^2/NDF: 1010855.3/97



Right In: 264.453+/-289.554 χ^2/NDF: 17.5/21

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

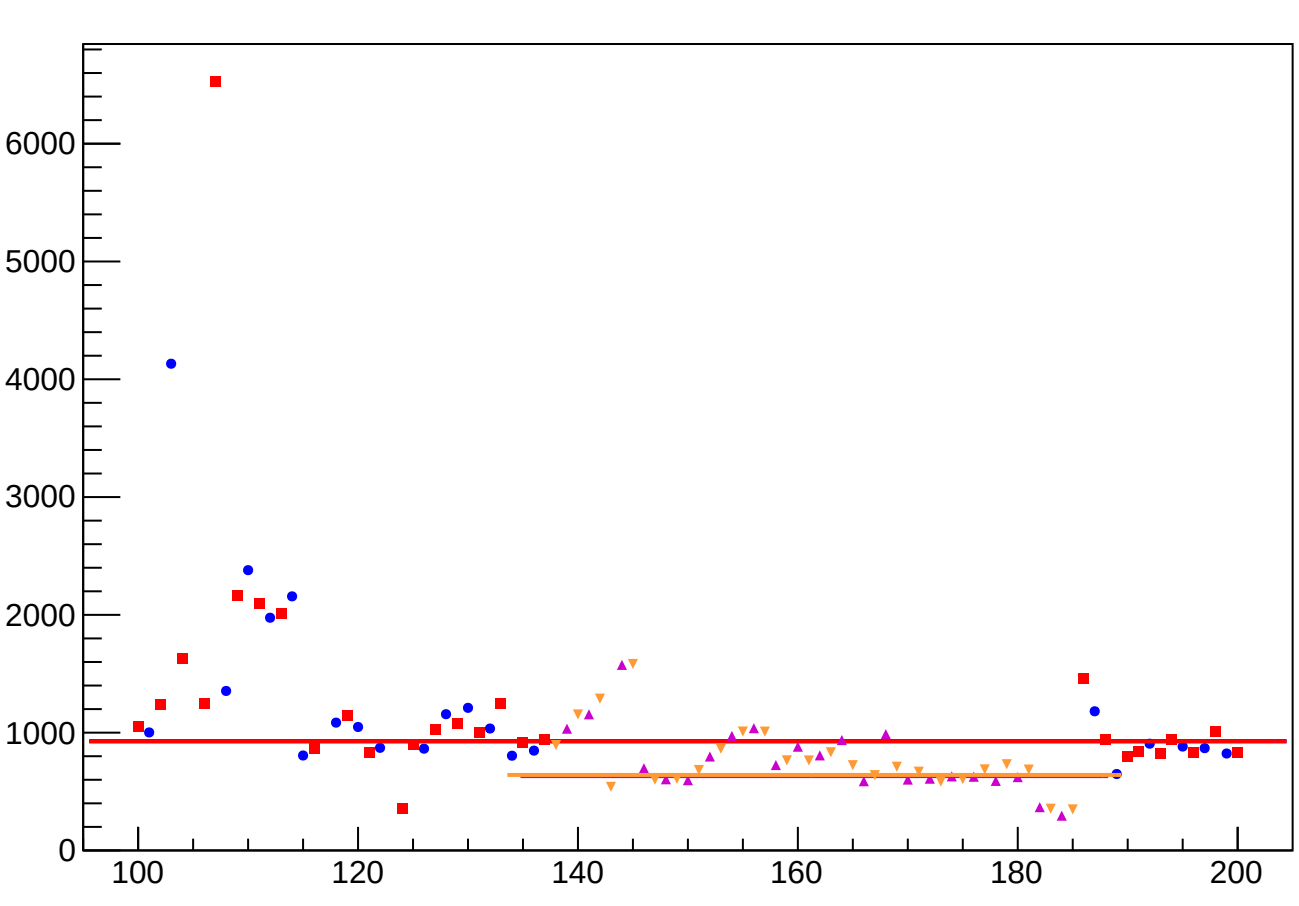
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -92.691+/-197.488 χ^2/NDF: 45.0/49

In: 108.145+/-138.284 χ^2/NDF:39.9/44

Out: 98.618+/-133.782 χ^2/NDF:60.3/52

All: 103.223+/-96.151 χ^2/NDF: 100.2/97



Right In: 927.982+/-0.205 χ^2/NDF: 1702379.3/21

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

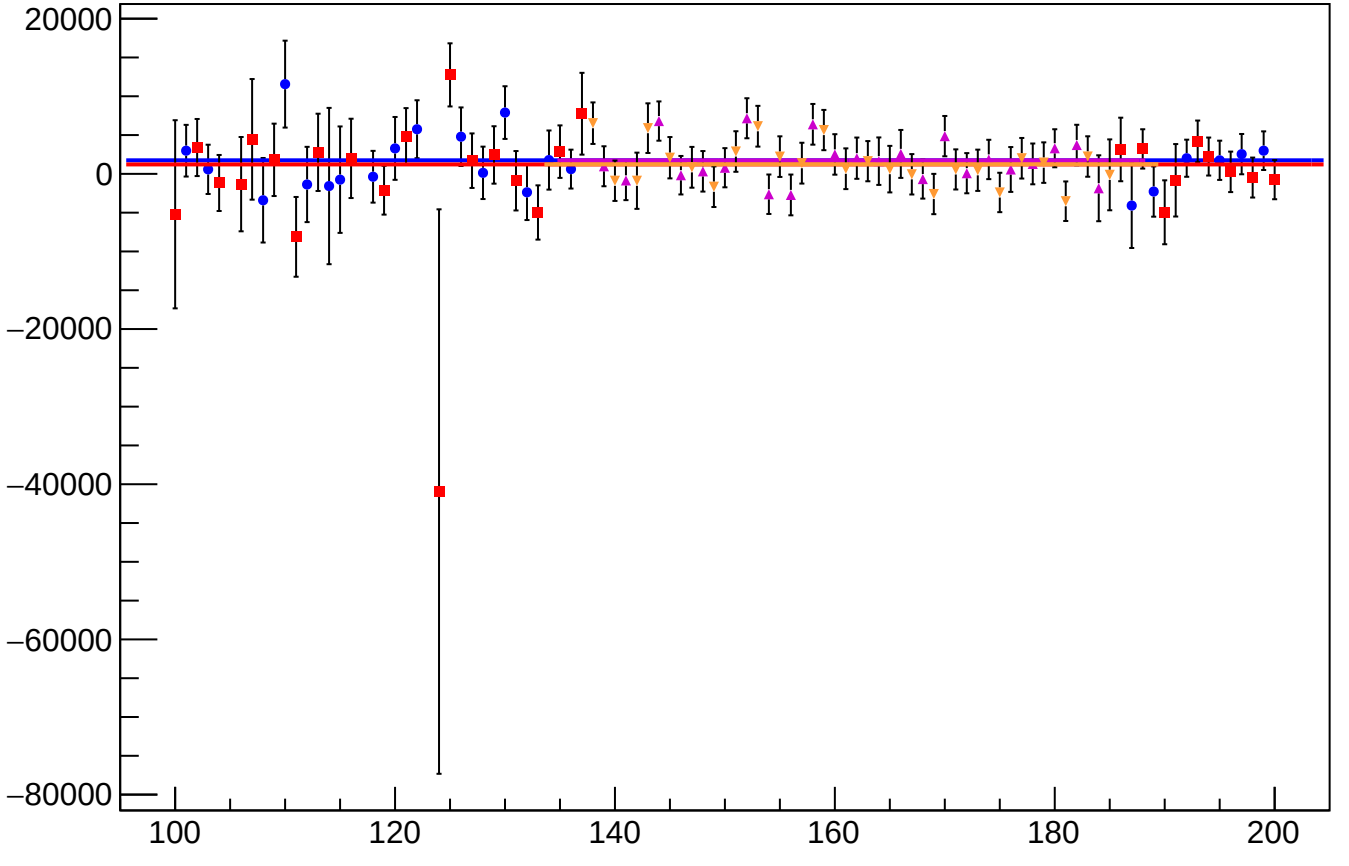
Right: 926.811+/-0.140 χ^2/NDF: 4239542.5/49

In: 698.889+/-0.098 χ^2/NDF:7299717.0/44

Out: 711.013+/-0.095 χ^2/NDF:7688584.6/52

All: 705.152+/-0.068 χ^2/NDF: 14996242.4/97

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

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

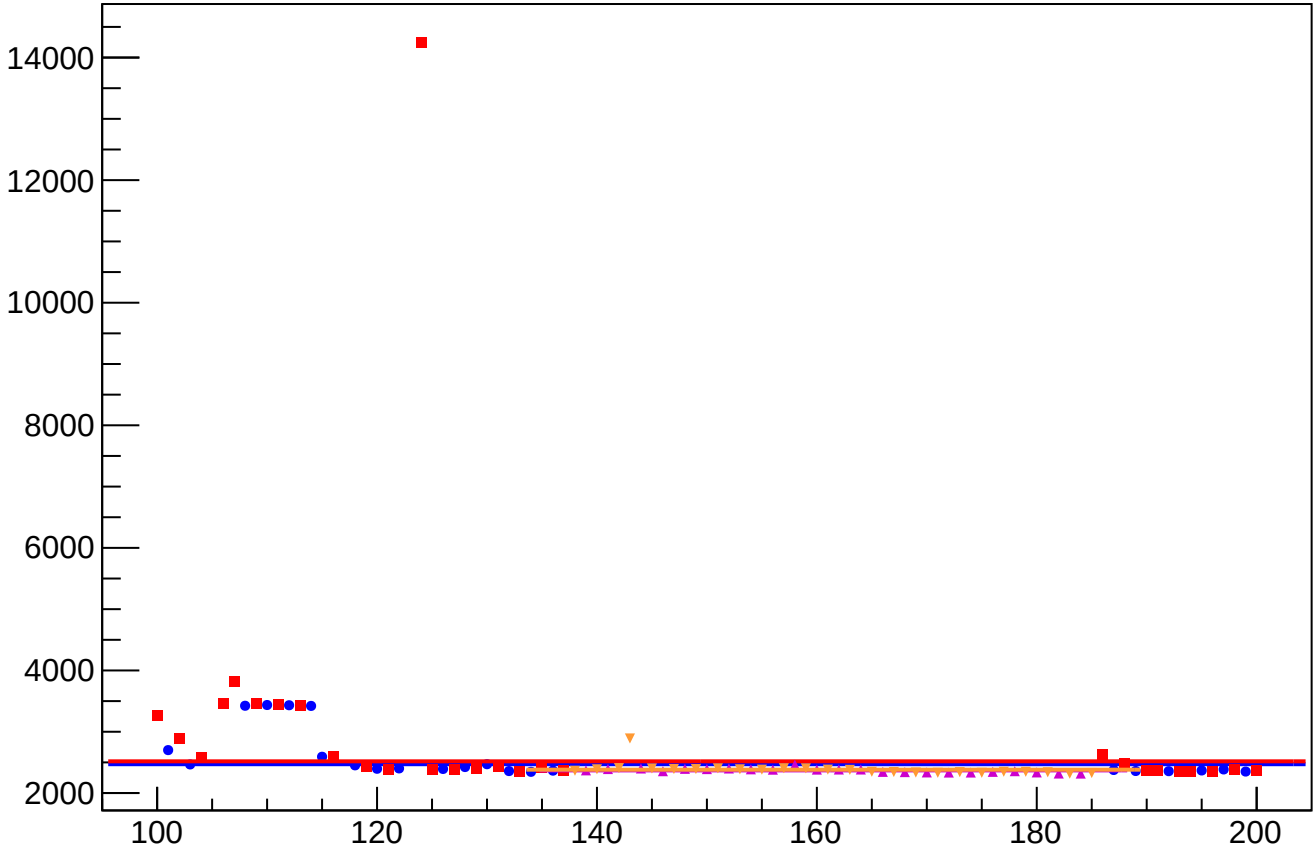
Right: 1465.155+/-501.116 χ^2/NDF: 43.2/49

In: 1743.472+/-441.129 χ^2/NDF:39.7/44

Out: 1227.434+/-425.498 χ^2/NDF:51.4/52

All: 1476.149+/-306.250 χ^2/NDF: 91.8/97

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

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

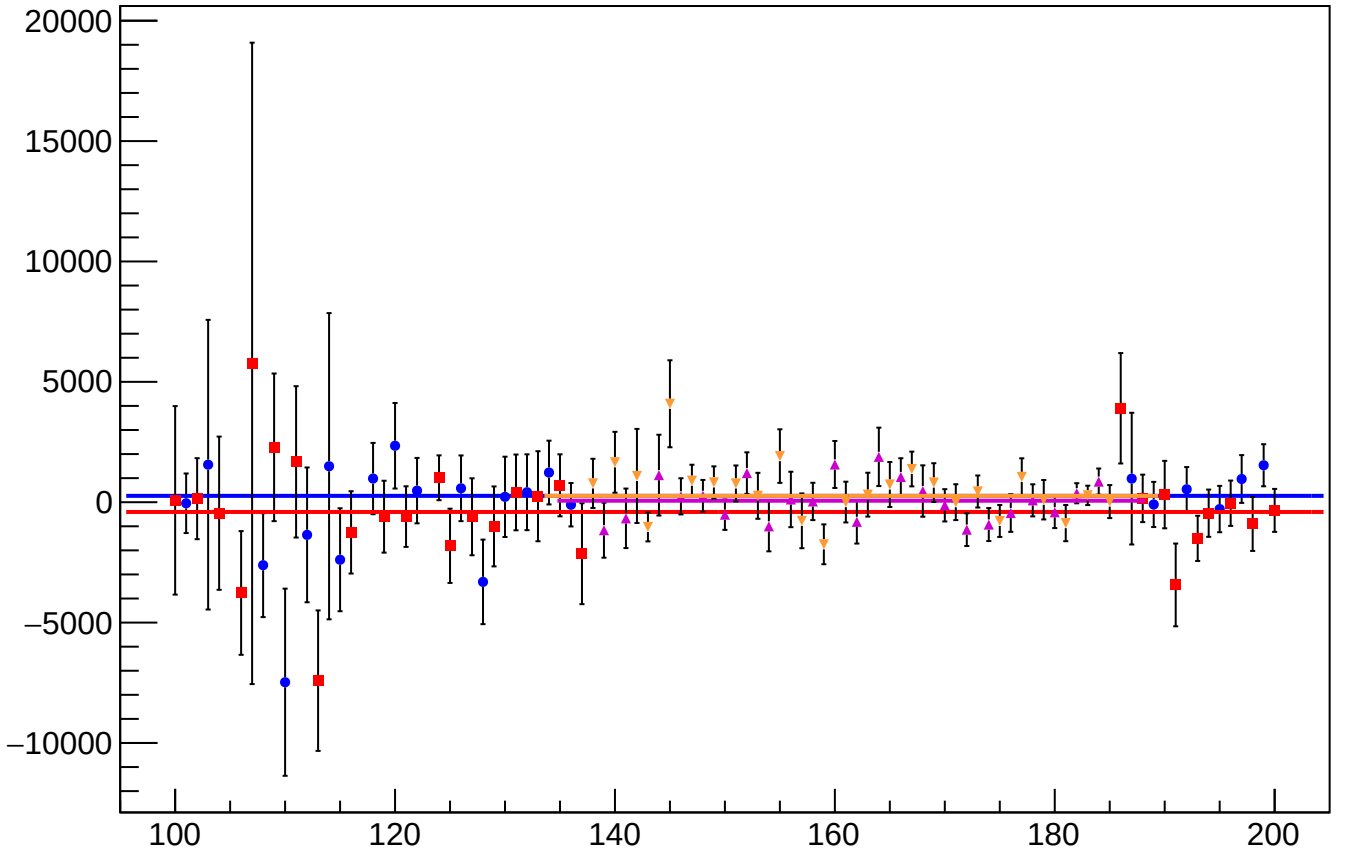
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2495.350+/-0.354 χ^2/NDF: 877017.5/49

In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2433.279+/-0.301 χ^2/NDF:723469.3/52

All: 2420.224+/-0.217 χ^2/NDF: 1013890.2/97



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

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

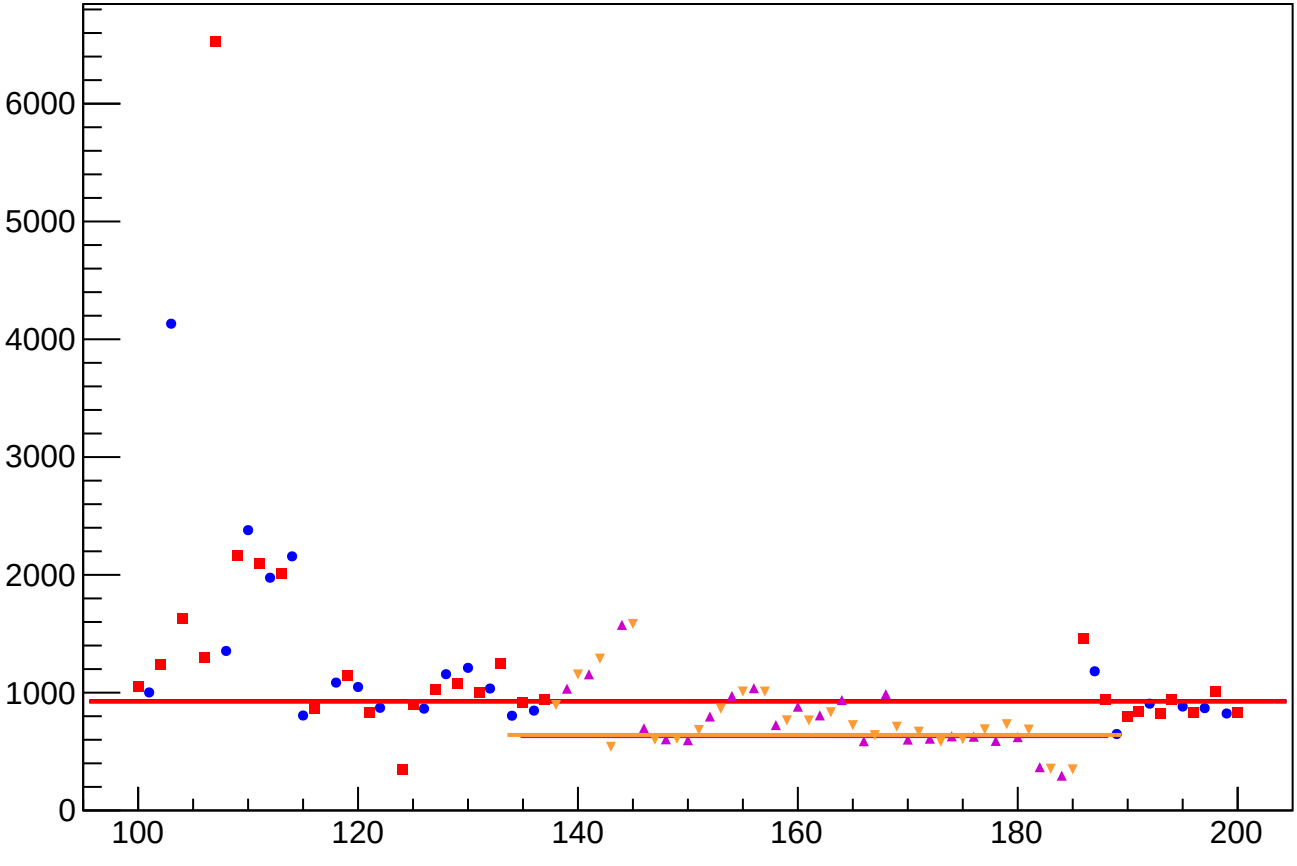
Right: -93.248+/-197.582 χ^2/NDF: 43.8/49

In: 108.148+/-138.284 χ^2/NDF:39.9/44

Out: 98.664+/-133.813 χ^2/NDF:59.1/52

All: 103.250+/-96.162 χ^2/NDF: 99.0/97

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

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

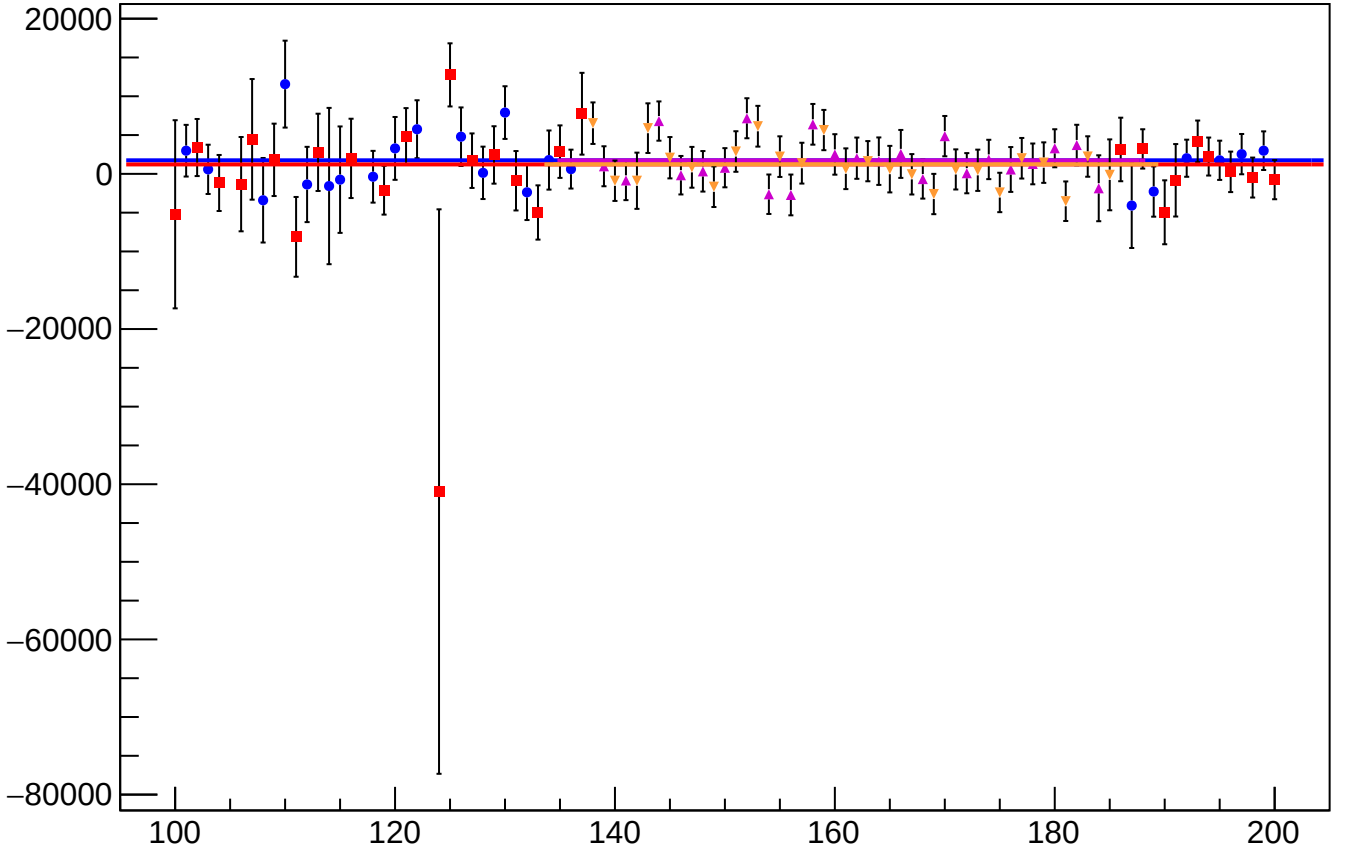
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 925.547+/-0.140 χ^2/NDF: 4269994.8/49

In: 698.887+/-0.098 χ^2/NDF:7299840.6/44

Out: 710.350+/-0.095 χ^2/NDF:7688448.6/52

All: 704.807+/-0.068 χ^2/NDF: 14995386.7/97



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

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

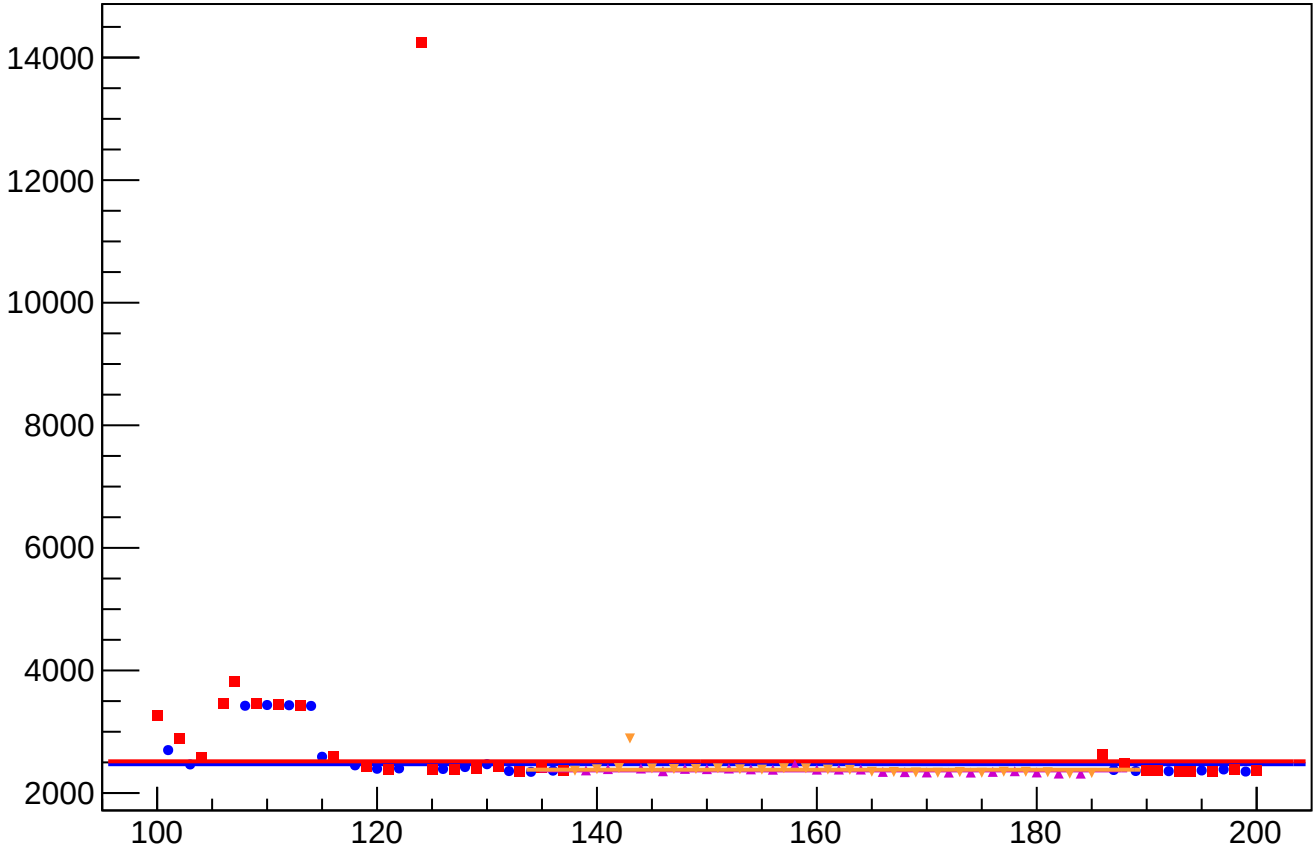
Right: 1465.155+/-501.116 χ^2/NDF: 43.2/49

In: 1743.472+/-441.129 χ^2/NDF:39.7/44

Out: 1227.434+/-425.498 χ^2/NDF:51.4/52

All: 1476.149+/-306.250 χ^2/NDF: 91.8/97

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

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

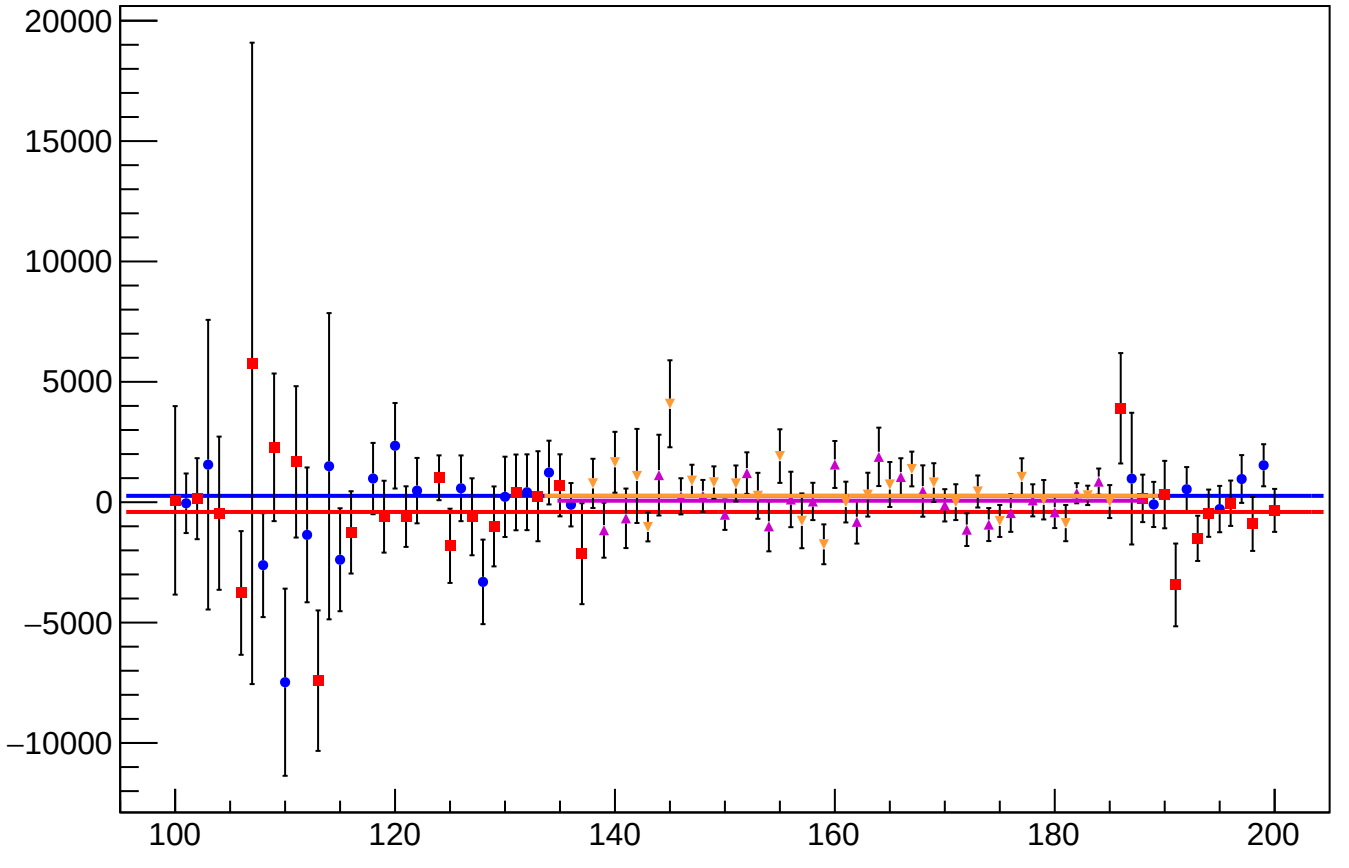
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

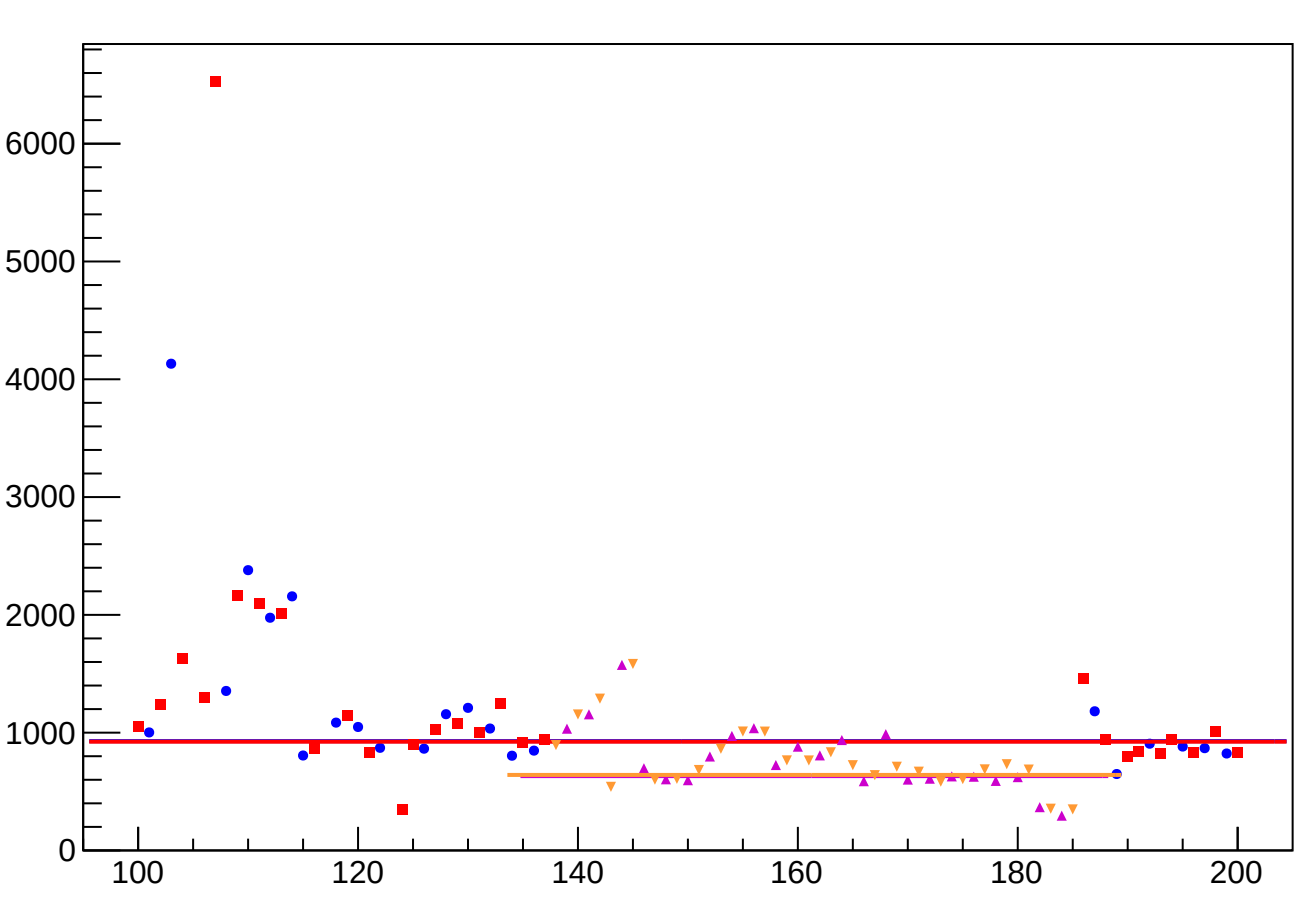
Right: 2495.350+/-0.354 χ^2/NDF: 877017.5/49

In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2433.279+/-0.301 χ^2/NDF:723469.3/52

All: 2420.224+/-0.217 χ^2/NDF: 1013890.2/97


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: 264.414+/-289.553 χ²/NDF: 17.6/21
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: -93.248+/-197.582 χ²/NDF: 43.8/49
In: 108.148+/-138.284 χ²/NDF:39.9/44
Out: 98.664+/-133.813 χ²/NDF:59.1/52
All: 103.250+/-96.162 χ²/NDF: 99.0/97



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

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

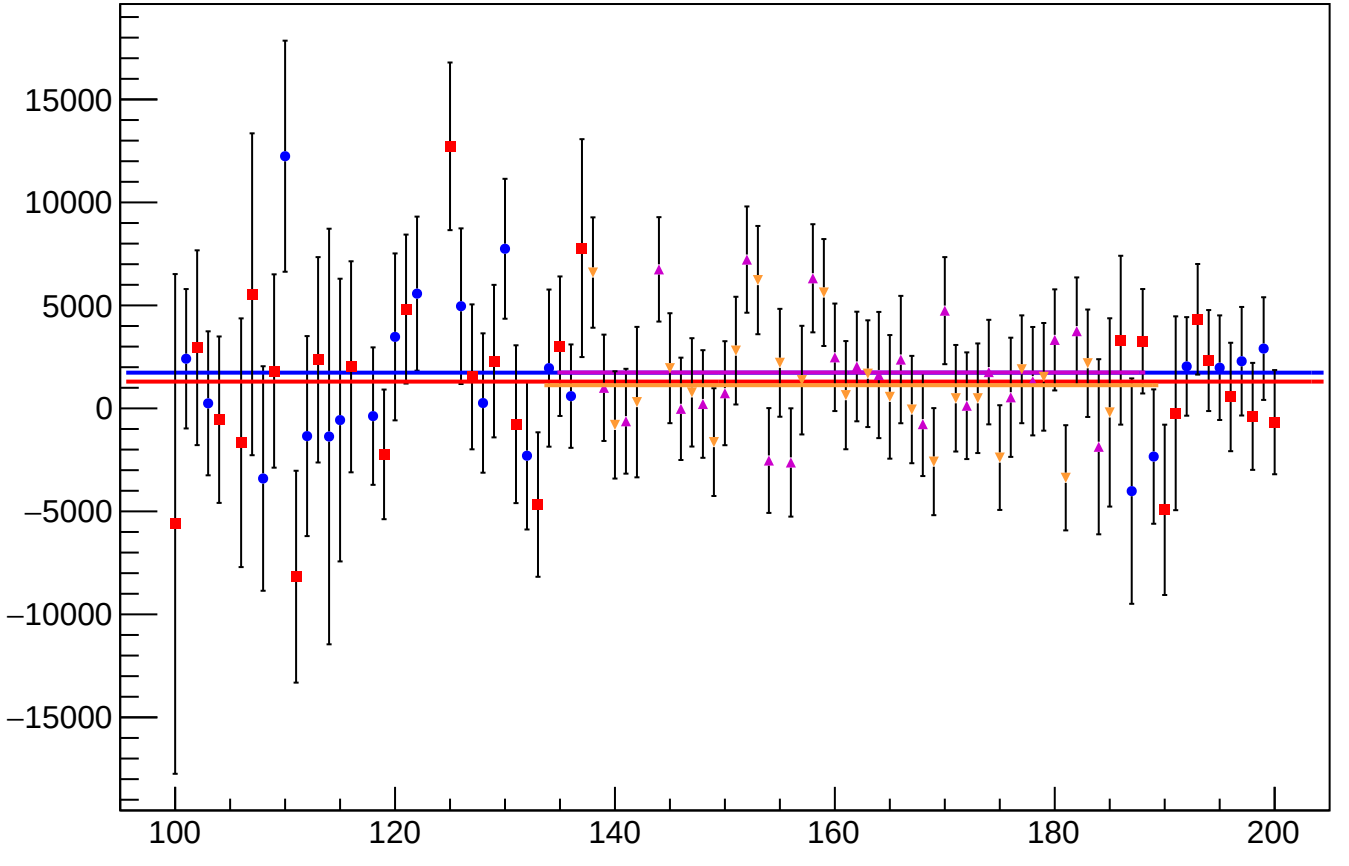
Right: 925.547+/-0.140 χ^2/NDF: 4269994.8/49

In: 698.887+/-0.098 χ^2/NDF:7299840.6/44

Out: 710.350+/-0.095 χ^2/NDF:7688448.6/52

All: 704.807+/-0.068 χ^2/NDF: 14995386.7/97

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1735.193+/-736.815 χ^2/NDF: 15.4/21

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

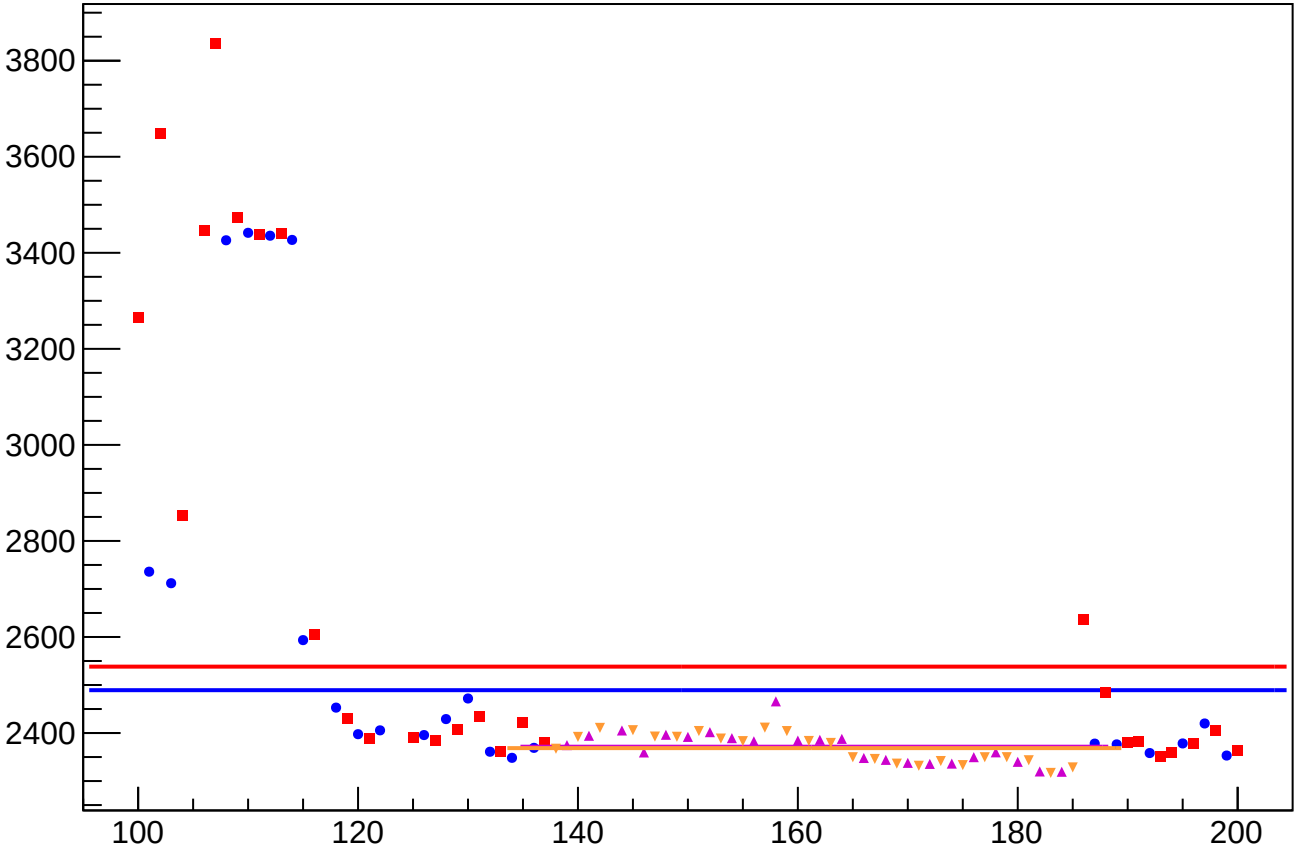
Right: 1506.062+/-506.577 χ^2/NDF: 41.1/48

In: 1739.737+/-442.674 χ^2/NDF:39.1/44

Out: 1192.658+/-431.829 χ^2/NDF:46.8/50

All: 1459.414+/-309.112 χ^2/NDF: 86.7/95

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2489.223+/-0.521 χ^2/NDF: 263650.7/21

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

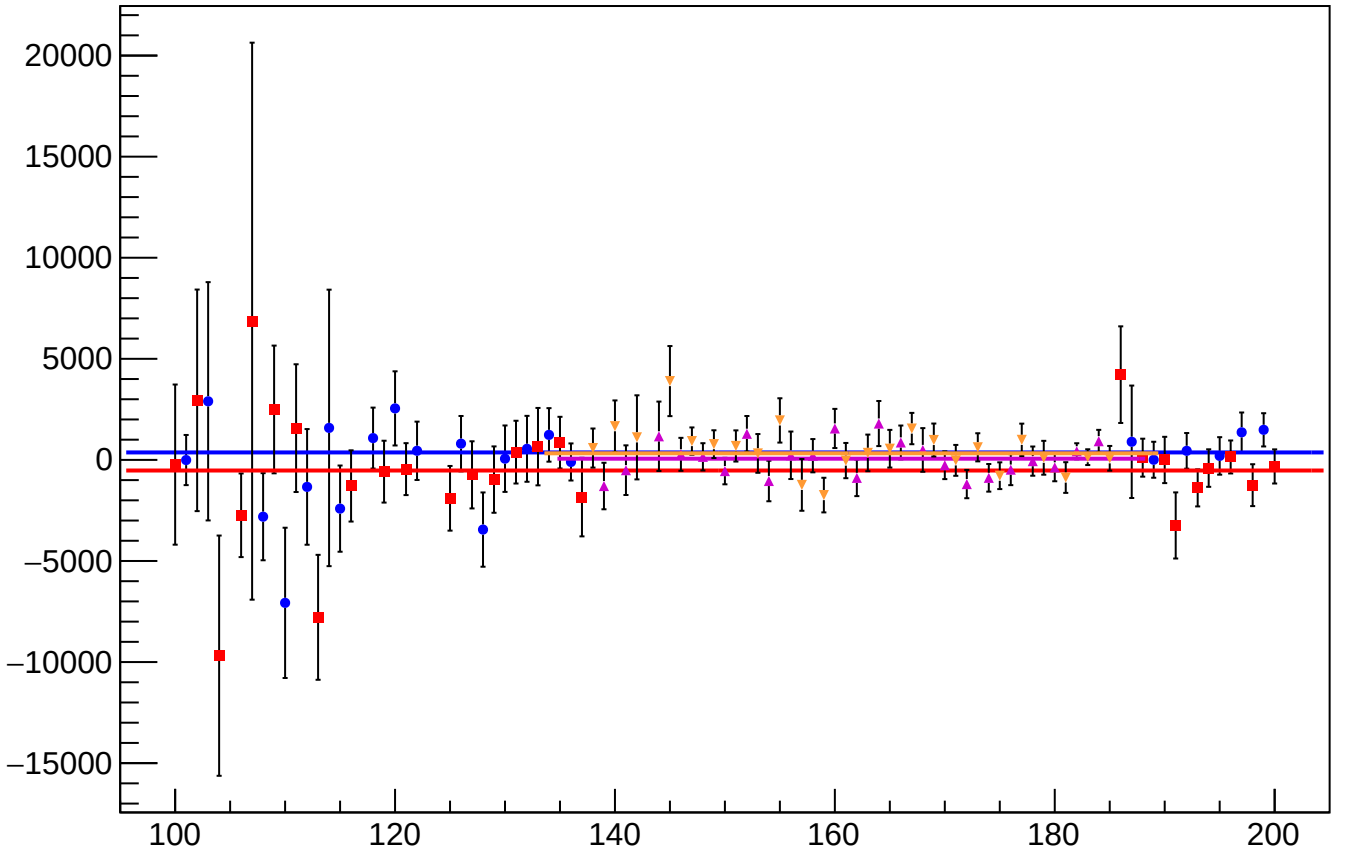
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2515.080+/-0.358 χ^2/NDF: 780031.5/48

In: 2414.004+/-0.313 χ^2/NDF:303320.3/44

Out: 2433.590+/-0.305 χ^2/NDF:590273.2/50

All: 2424.040+/-0.219 χ^2/NDF: 895599.7/95



Right In: 369.296+/-285.740 χ^2/NDF: 18.5/21

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

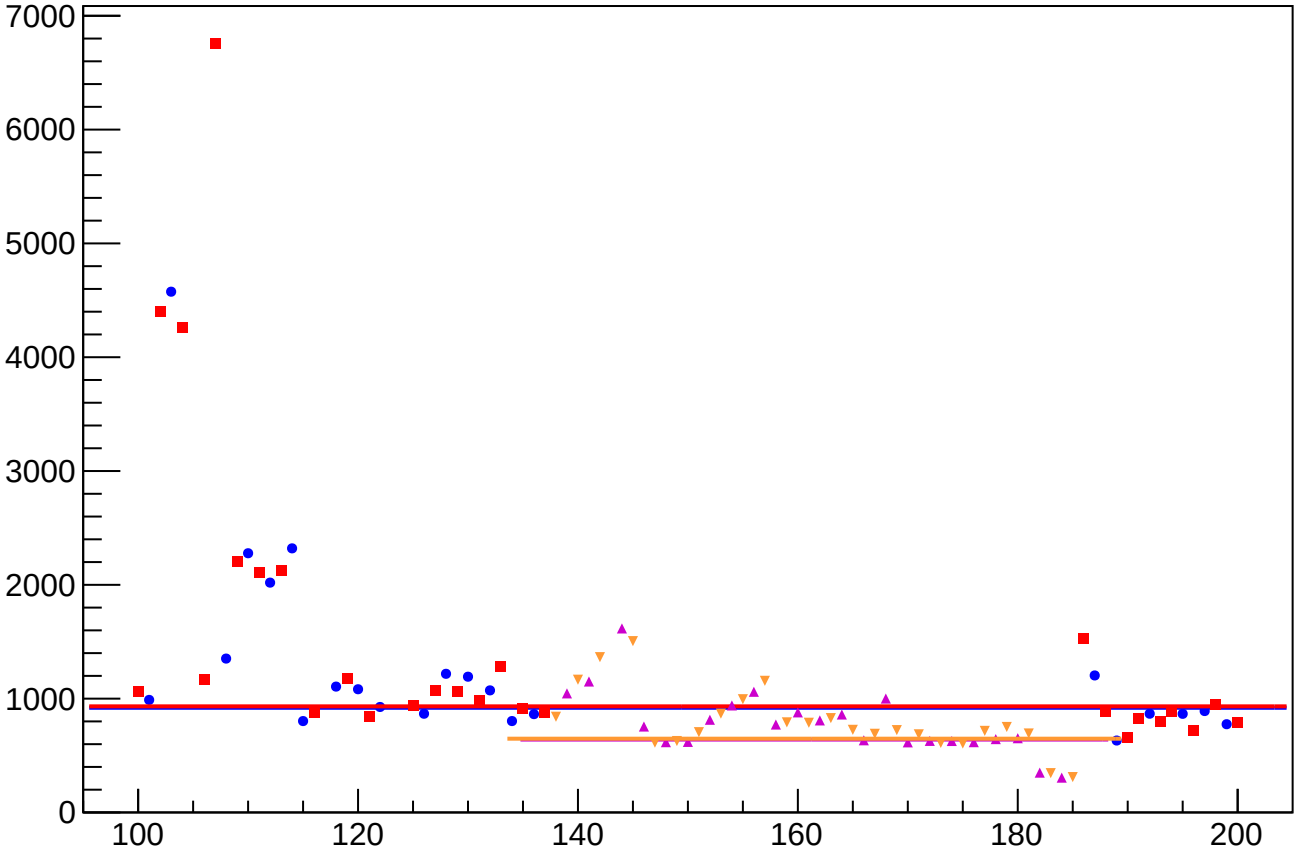
Right: -97.092+/-197.648 χ^2/NDF: 47.5/48

In: 133.306+/-139.384 χ^2/NDF:42.1/44

Out: 109.128+/-138.154 χ^2/NDF:57.9/50

All: 121.110+/-98.122 χ^2/NDF: 100.0/95

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.883+/-0.202 χ^2/NDF: 2013427.8/21

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

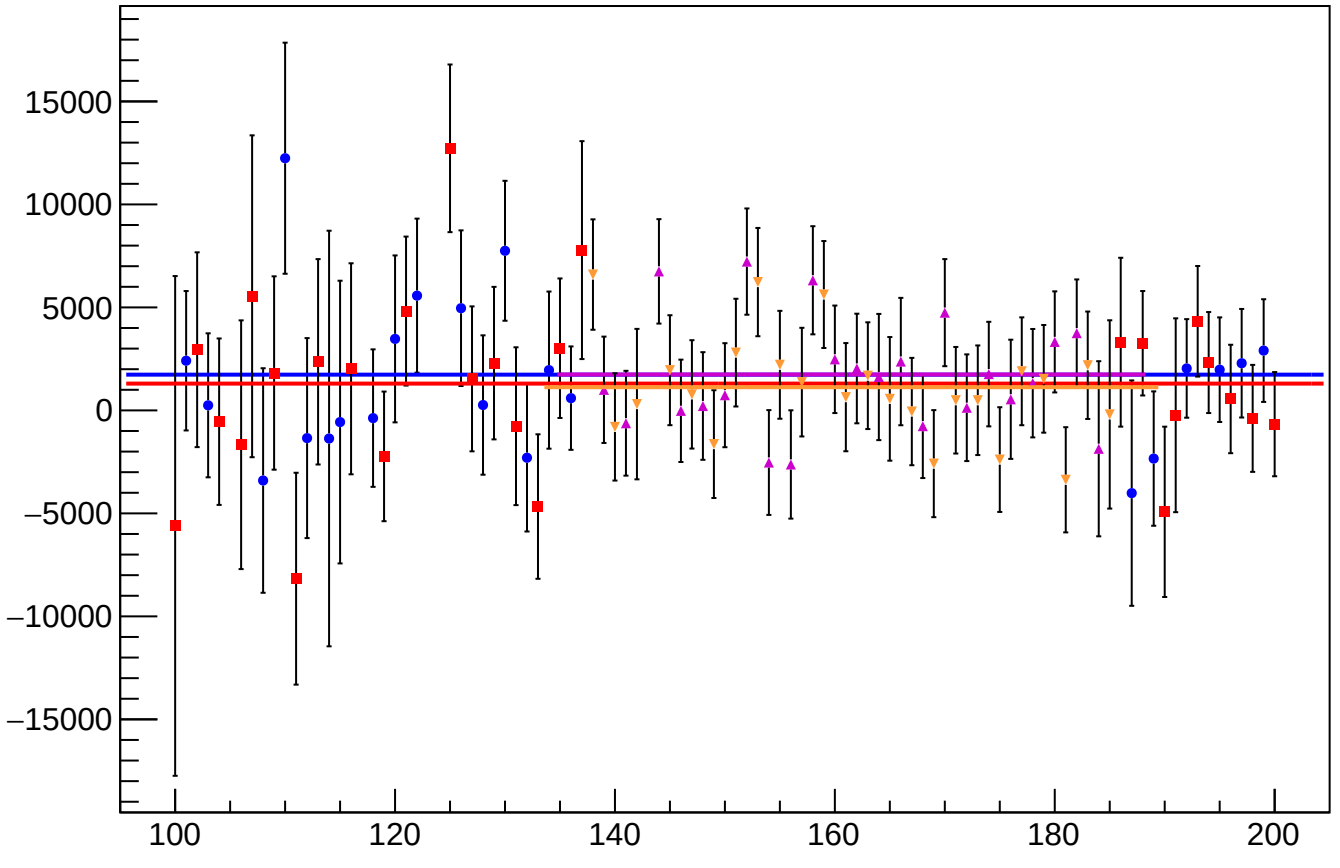
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 926.344+/-0.140 χ^2/NDF: 5380544.4/48

In: 706.920+/-0.099 χ^2/NDF:7600045.2/44

Out: 720.512+/-0.098 χ^2/NDF:8858909.1/50

All: 713.776+/-0.069 χ^2/NDF: 16468547.9/95



Right In: 1735.191+/-736.815 χ^2/NDF: 15.4/21

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

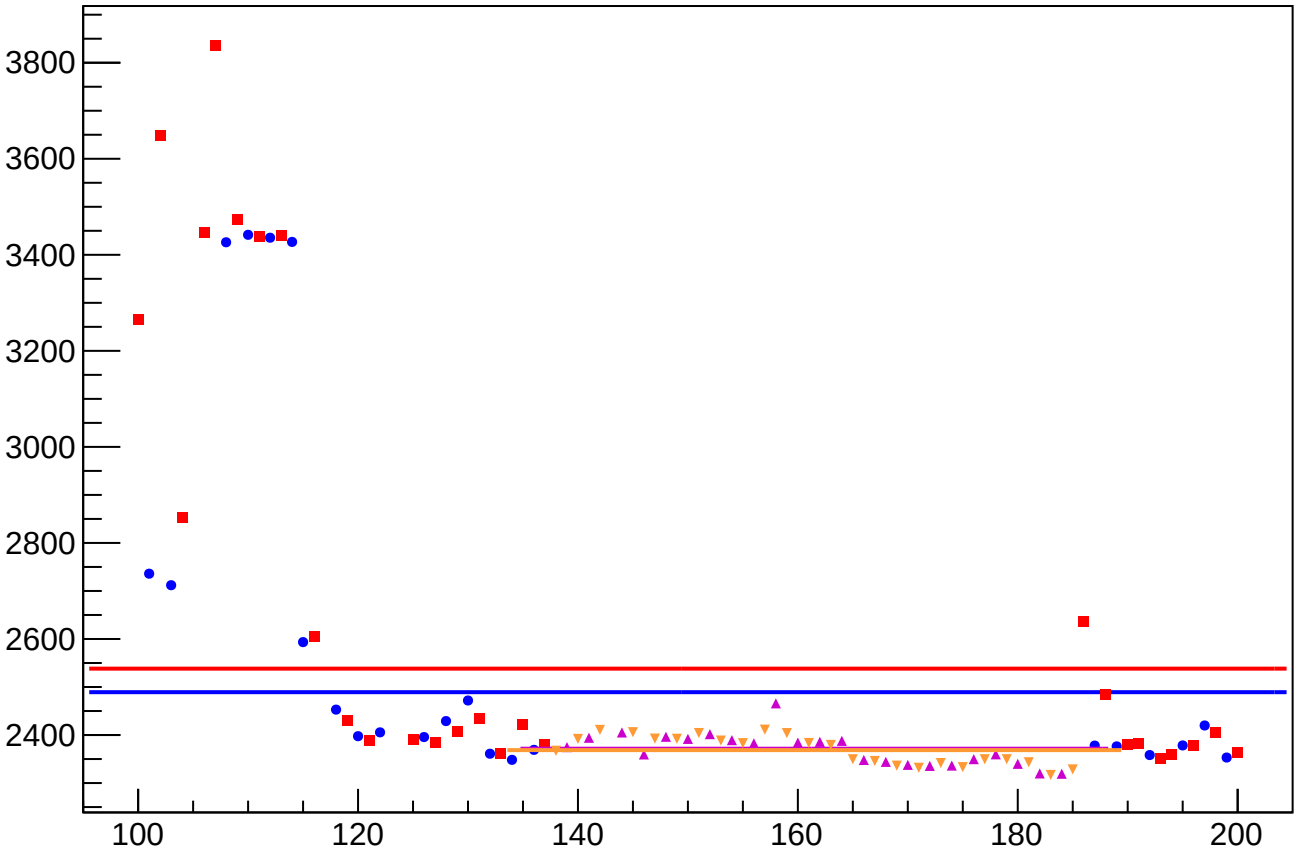
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1506.061+/-506.577 χ^2/NDF: 41.1/48

In: 1739.737+/-442.674 χ^2/NDF:39.1/44

Out: 1192.658+/-431.829 χ^2/NDF:46.8/50

All: 1459.414+/-309.112 χ^2/NDF: 86.7/95



Right In: 2489.222+/-0.521 χ^2/NDF: 263650.3/21

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

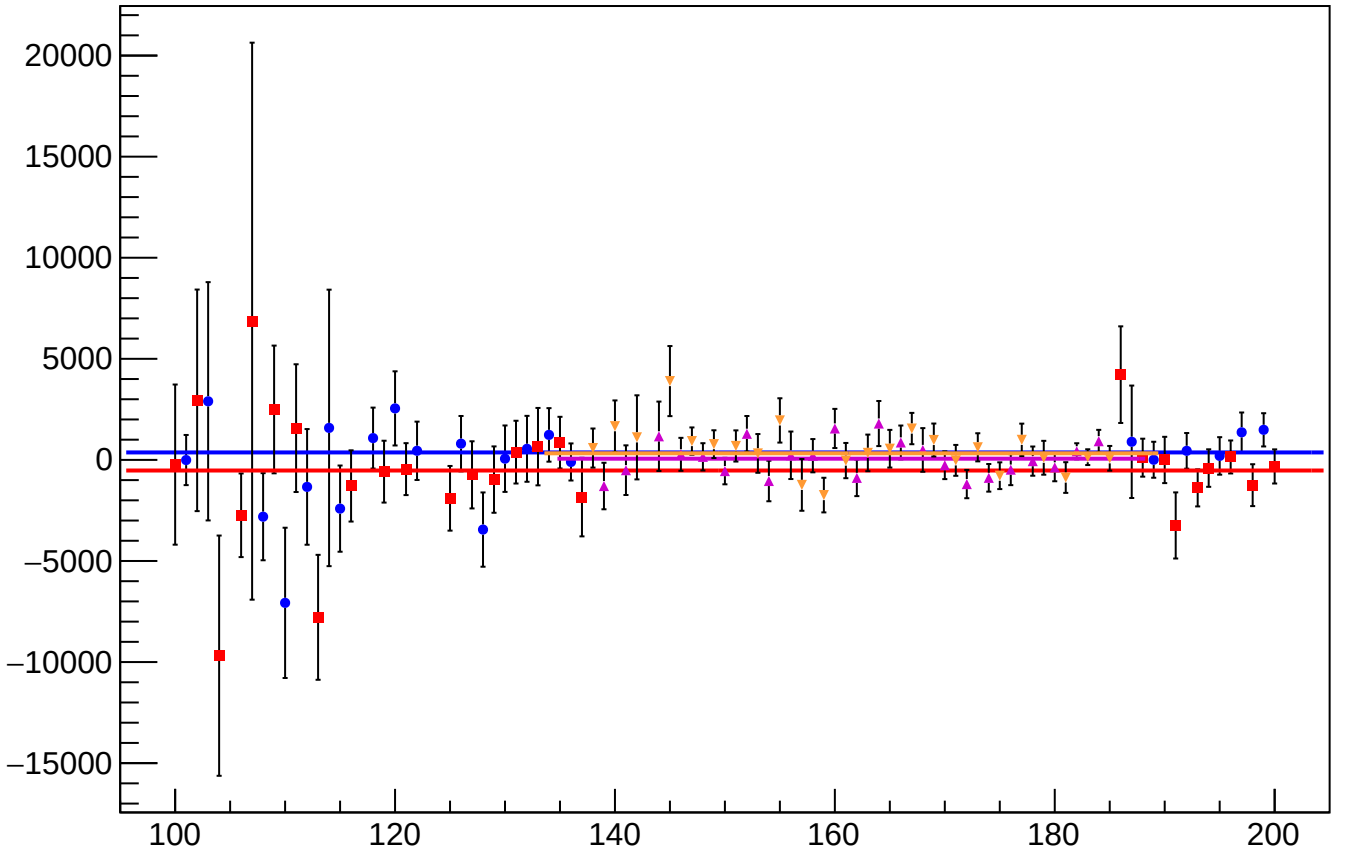
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2515.079+/-0.358 χ^2/NDF: 780030.3/48

In: 2414.004+/-0.313 χ^2/NDF:303319.8/44

Out: 2433.590+/-0.305 χ^2/NDF:590272.3/50

All: 2424.040+/-0.219 χ^2/NDF: 895598.3/95



Right In: 369.295+/-285.740 χ^2/NDF: 18.5/21

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

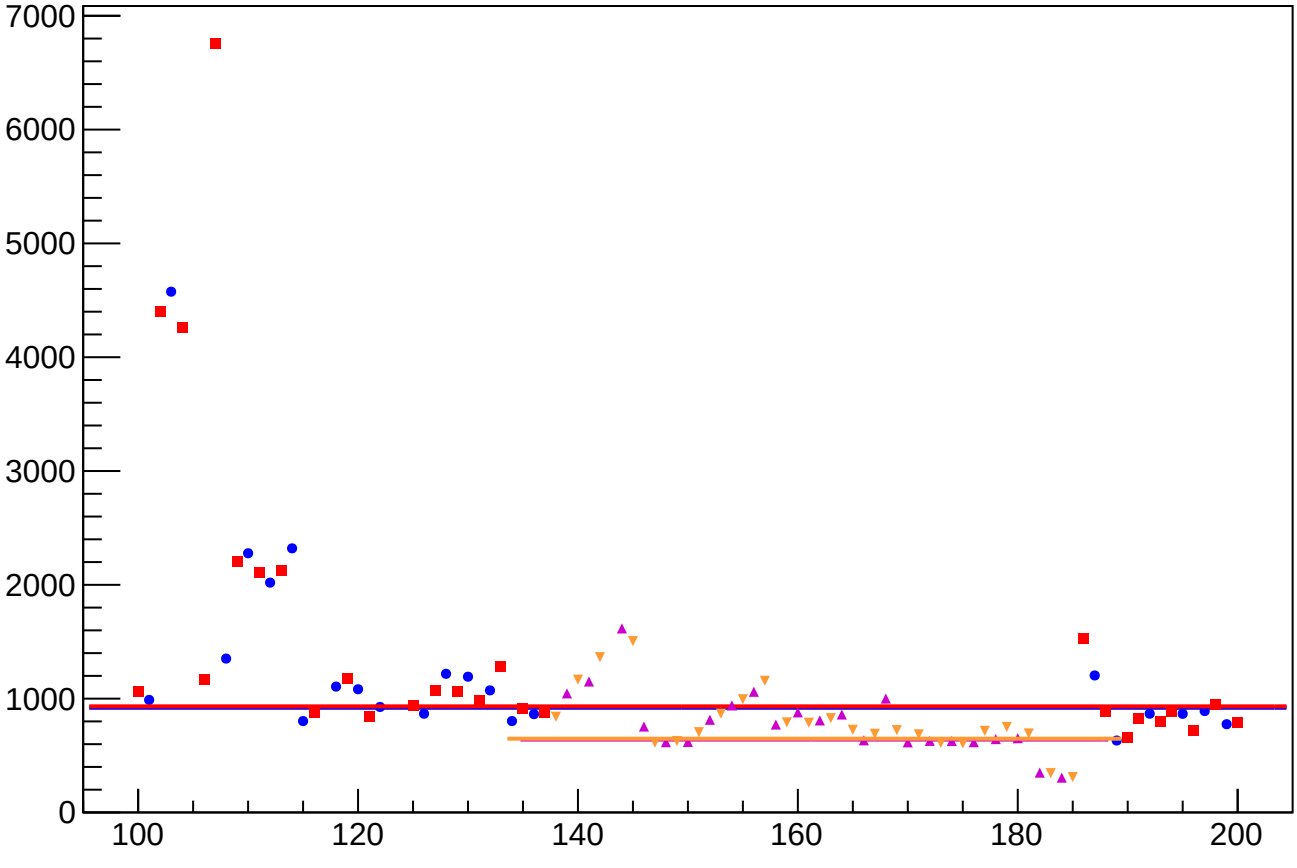
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -97.093+/-197.648 χ^2/NDF: 47.5/48

In: 133.307+/-139.384 χ^2/NDF:42.1/44

Out: 109.128+/-138.154 χ^2/NDF:57.9/50

All: 121.110+/-98.122 χ^2/NDF: 100.0/95



Right In: 919.883+/-0.202 χ^2/NDF: 2013425.7/21

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

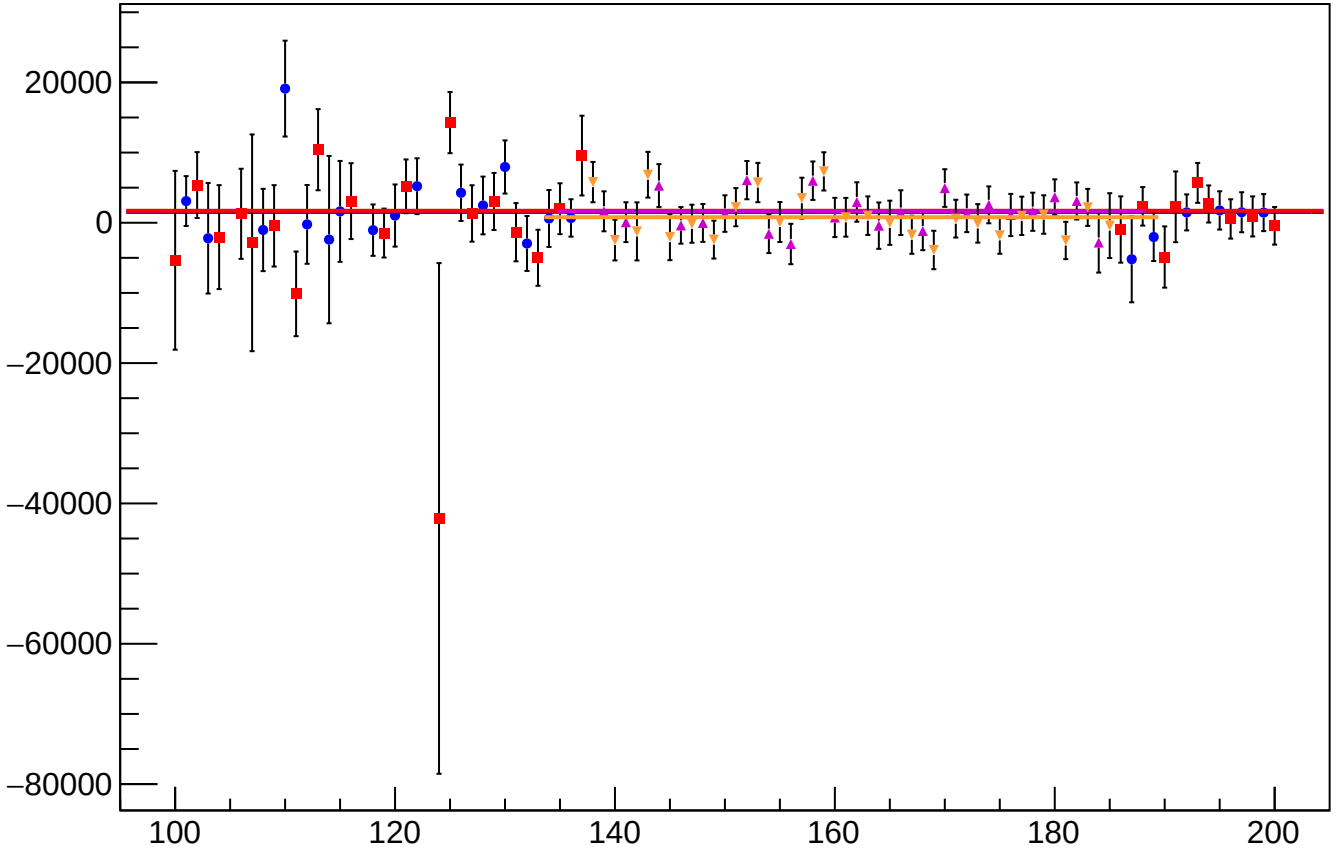
Right: 926.343+/-0.140 χ^2/NDF: 5380540.3/48

In: 706.920+/-0.099 χ^2/NDF:7600045.9/44

Out: 720.513+/-0.098 χ^2/NDF:8858904.6/50

All: 713.777+/-0.069 χ^2/NDF: 16468544.2/95

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1548.774+/-812.580 χ^2/NDF: 16.0/21

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

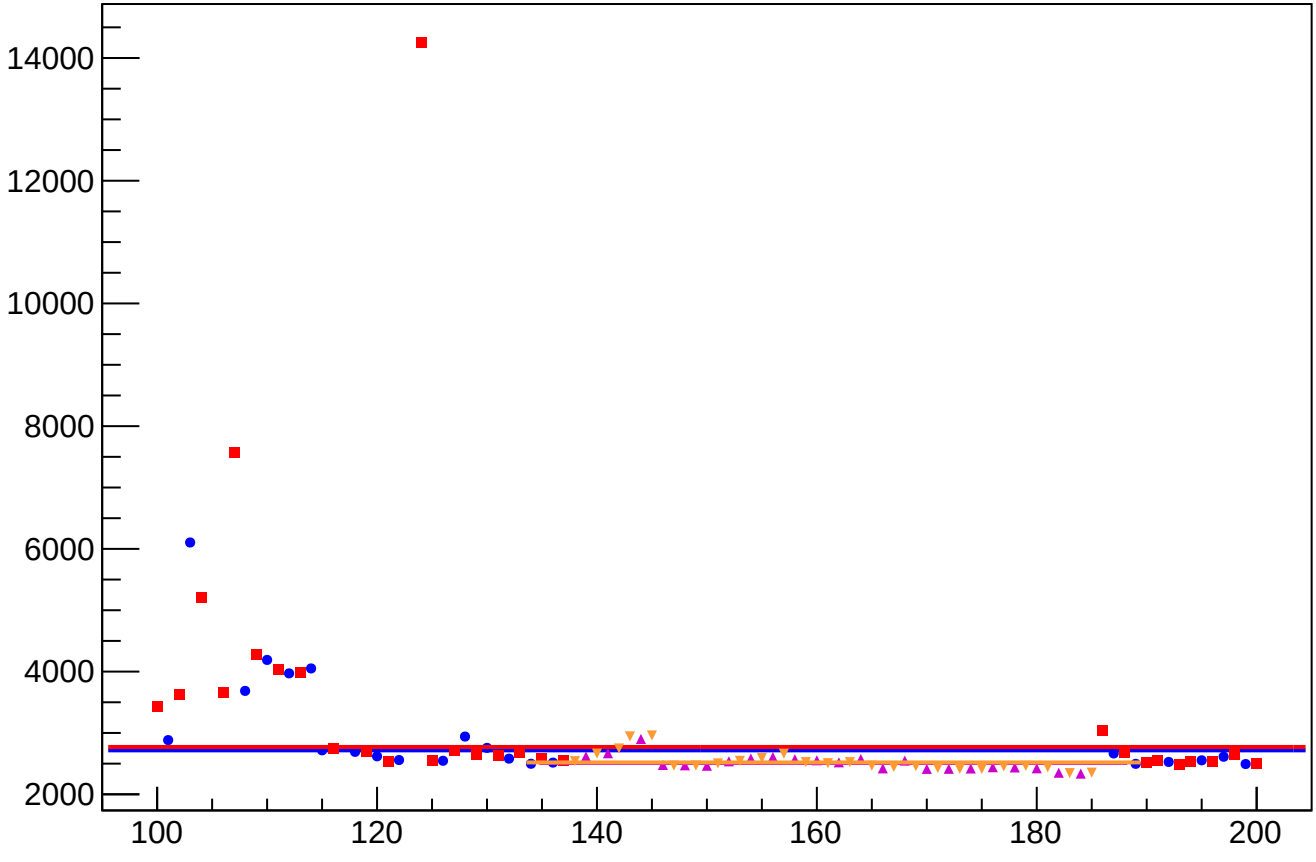
Right: 1631.820+/-557.834 χ^2/NDF: 46.0/49

In: 1618.348+/-475.707 χ^2/NDF:33.3/44

Out: 1119.076+/-459.219 χ^2/NDF:58.1/52

All: 1359.910+/-330.392 χ^2/NDF: 92.0/97

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2716.494+/-0.575 χ^2/NDF: 723238.0/21

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

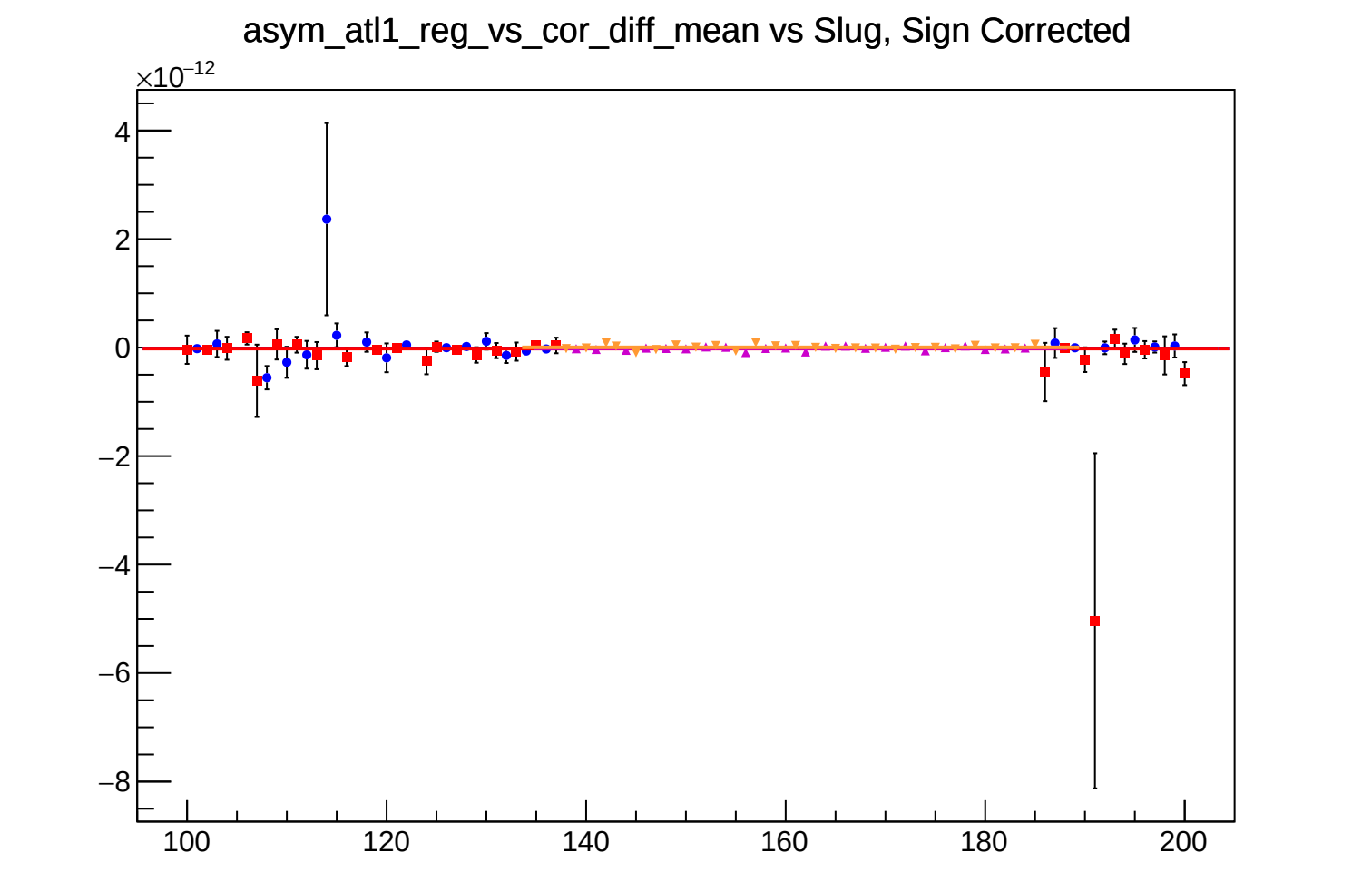
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2745.760+/-0.394 χ^2/NDF: 1877315.5/49

In: 2580.873+/-0.336 χ^2/NDF:881771.8/44

Out: 2609.928+/-0.325 χ^2/NDF:1403214.9/52

All: 2595.913+/-0.234 χ^2/NDF: 2288848.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/21

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

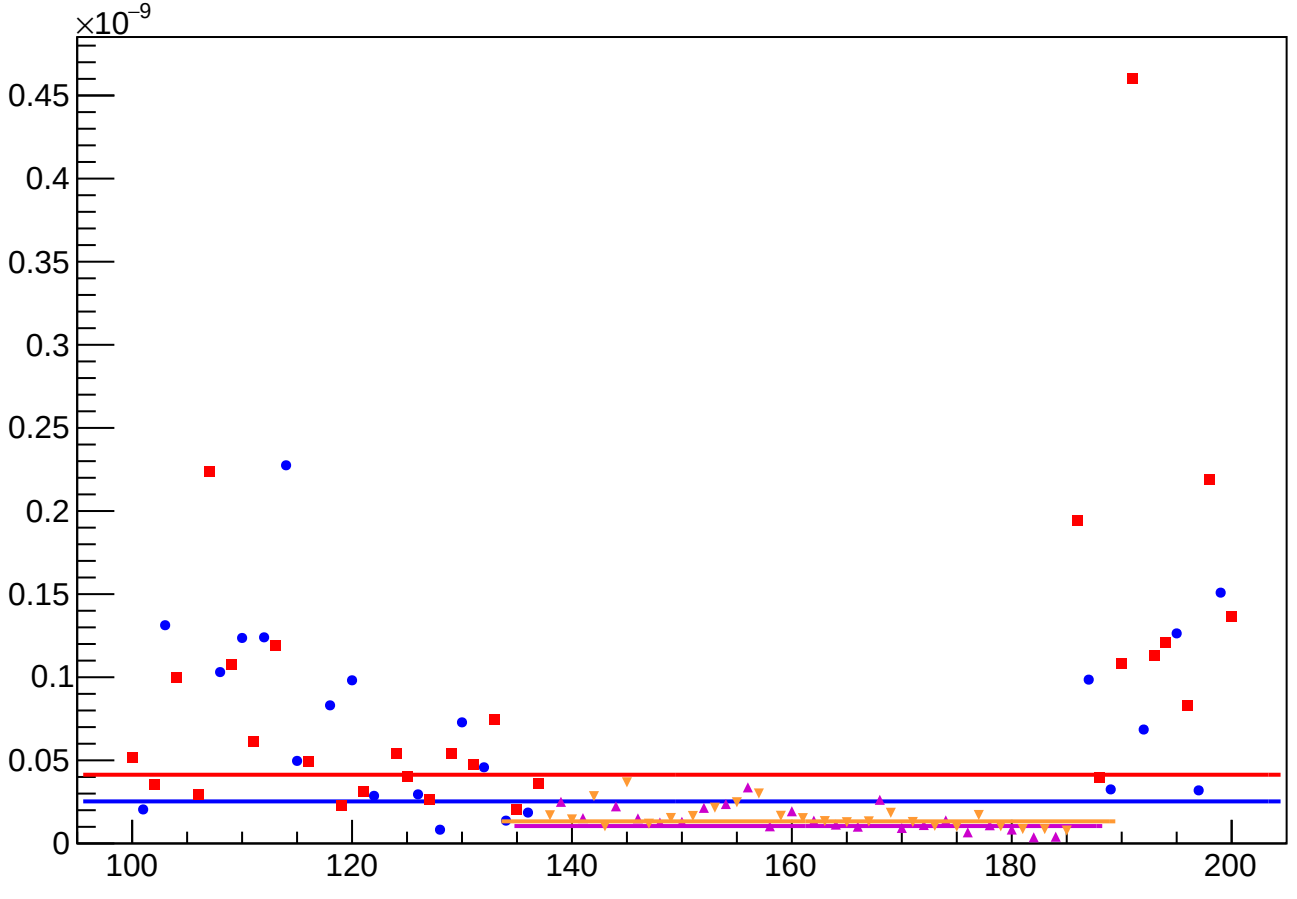
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 34.9/49

In: -0.000+/-0.000 χ^2/NDF:48.5/44

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: -0.000+/-0.000 χ^2/NDF: 101.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 3974130.0/21

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

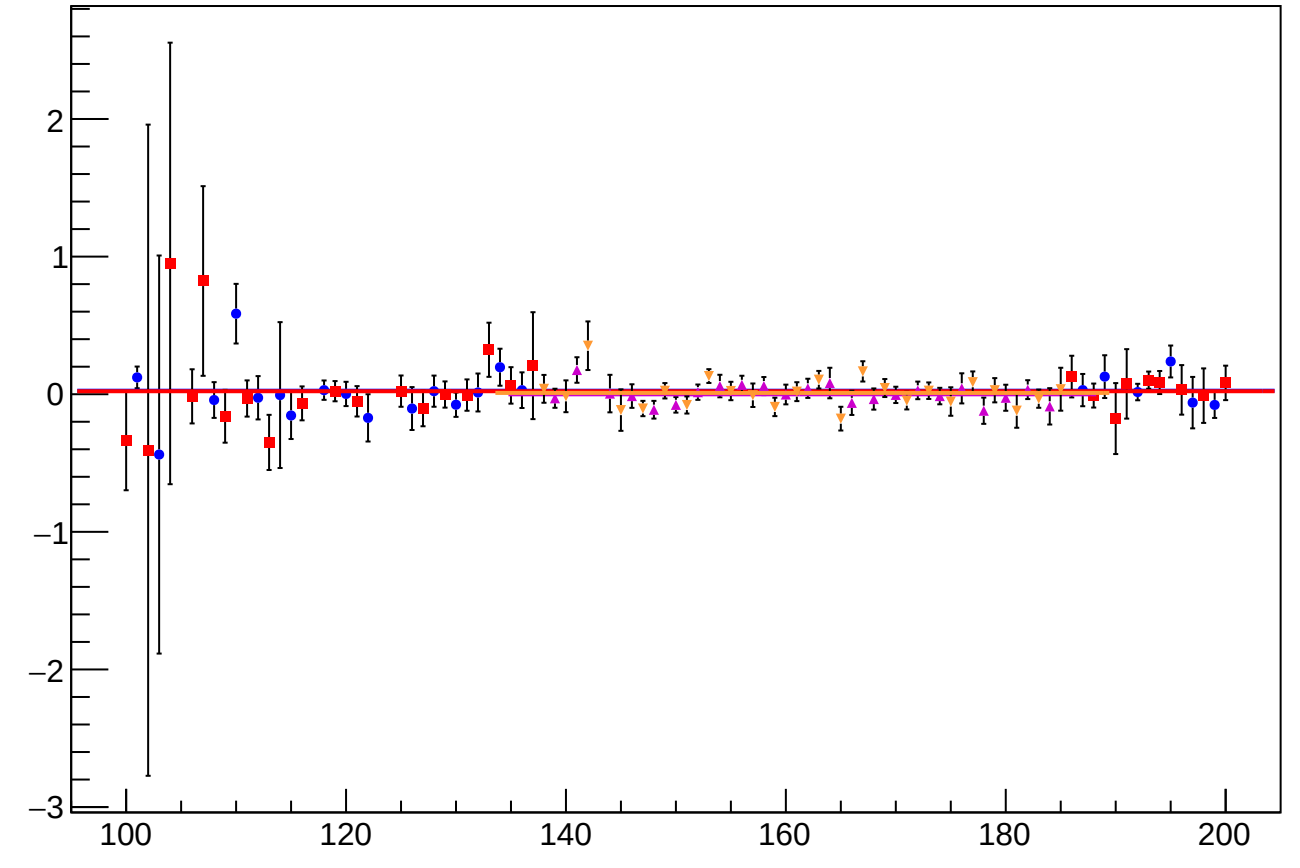
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8168170.7/49

In: 0.000+/-0.000 χ^2/NDF:8332681.2/44

Out: 0.000+/-0.000 χ^2/NDF:8060231.8/52

All: 0.000+/-0.000 χ^2/NDF: 16814416.5/97



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

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

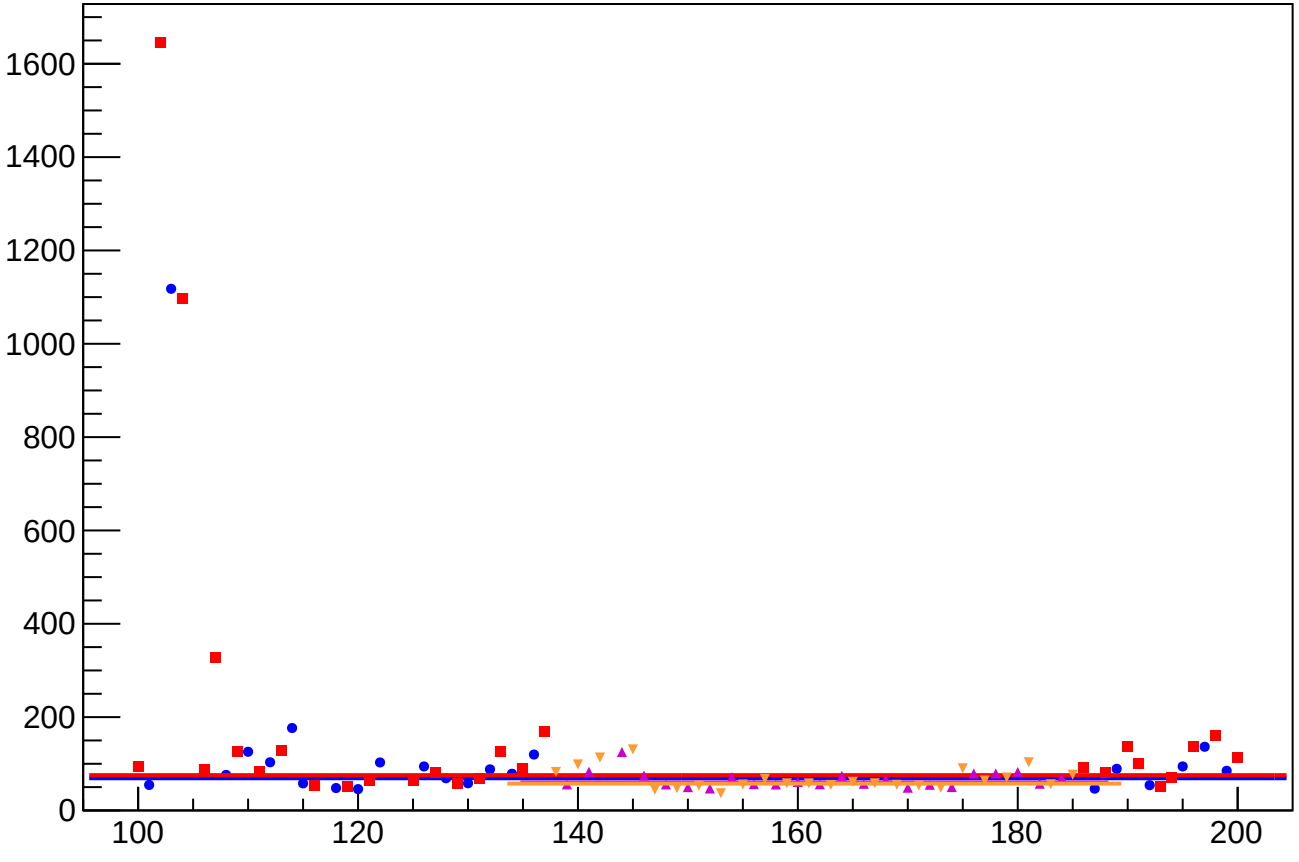
Right: 0.024+/-0.017 χ^2/NDF: 35.8/48

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.1/95

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

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

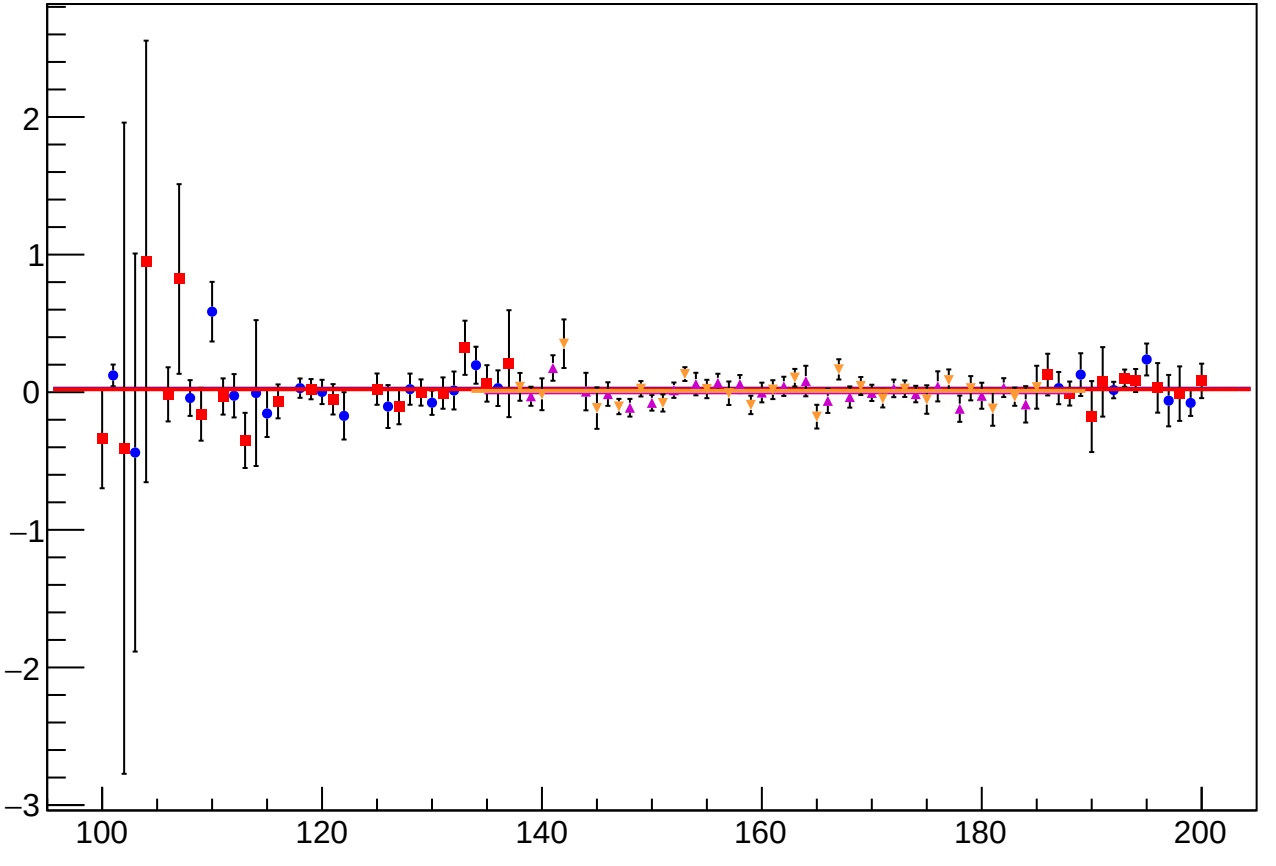
Right: 72.254+/-0.012 χ^2/NDF: 7185379.3/48

In: 62.503+/-0.009 χ^2/NDF:4467109.0/44

Out: 62.475+/-0.009 χ^2/NDF:7174477.7/50

All: 62.489+/-0.006 χ^2/NDF: 11641591.3/95

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

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

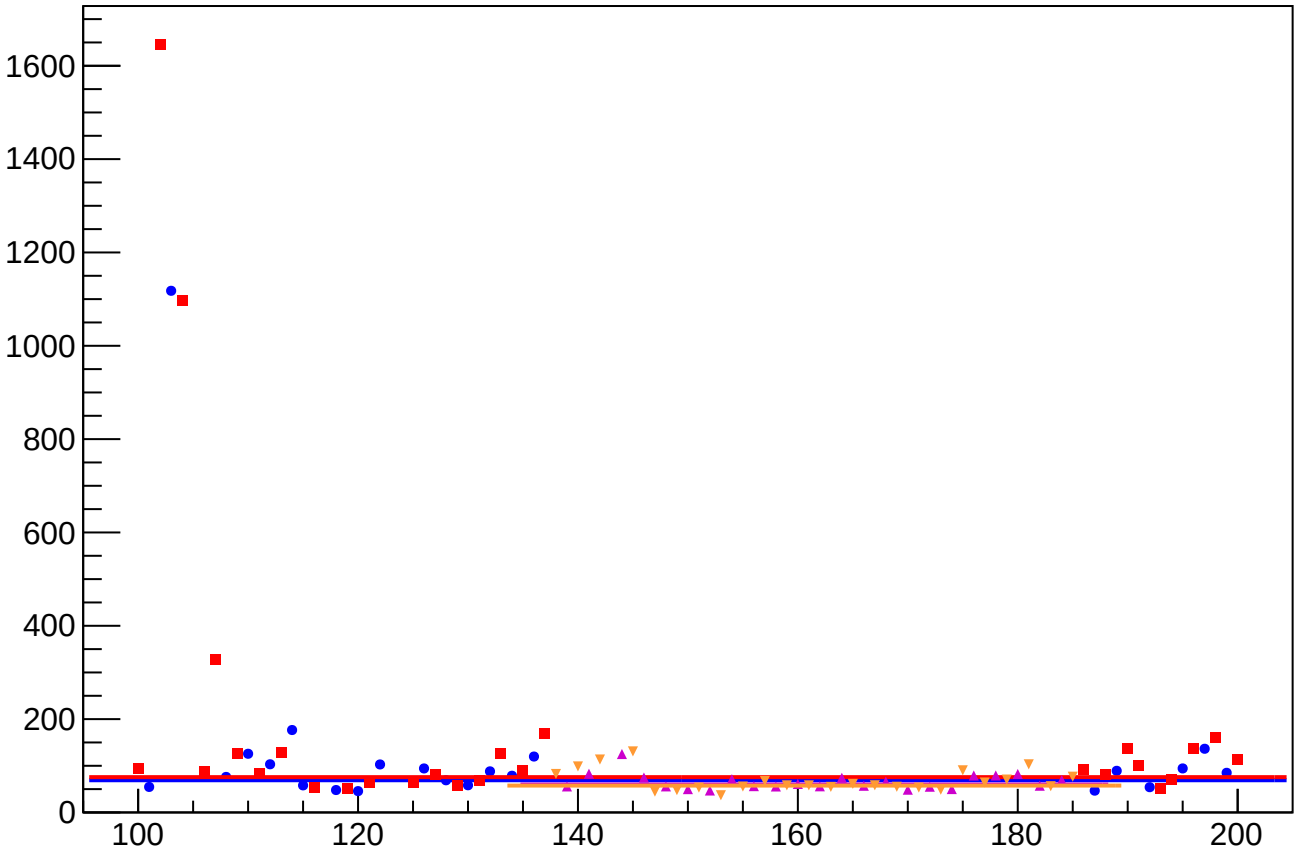
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.024+/-0.017 χ^2/NDF: 35.8/48

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.1/95



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

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

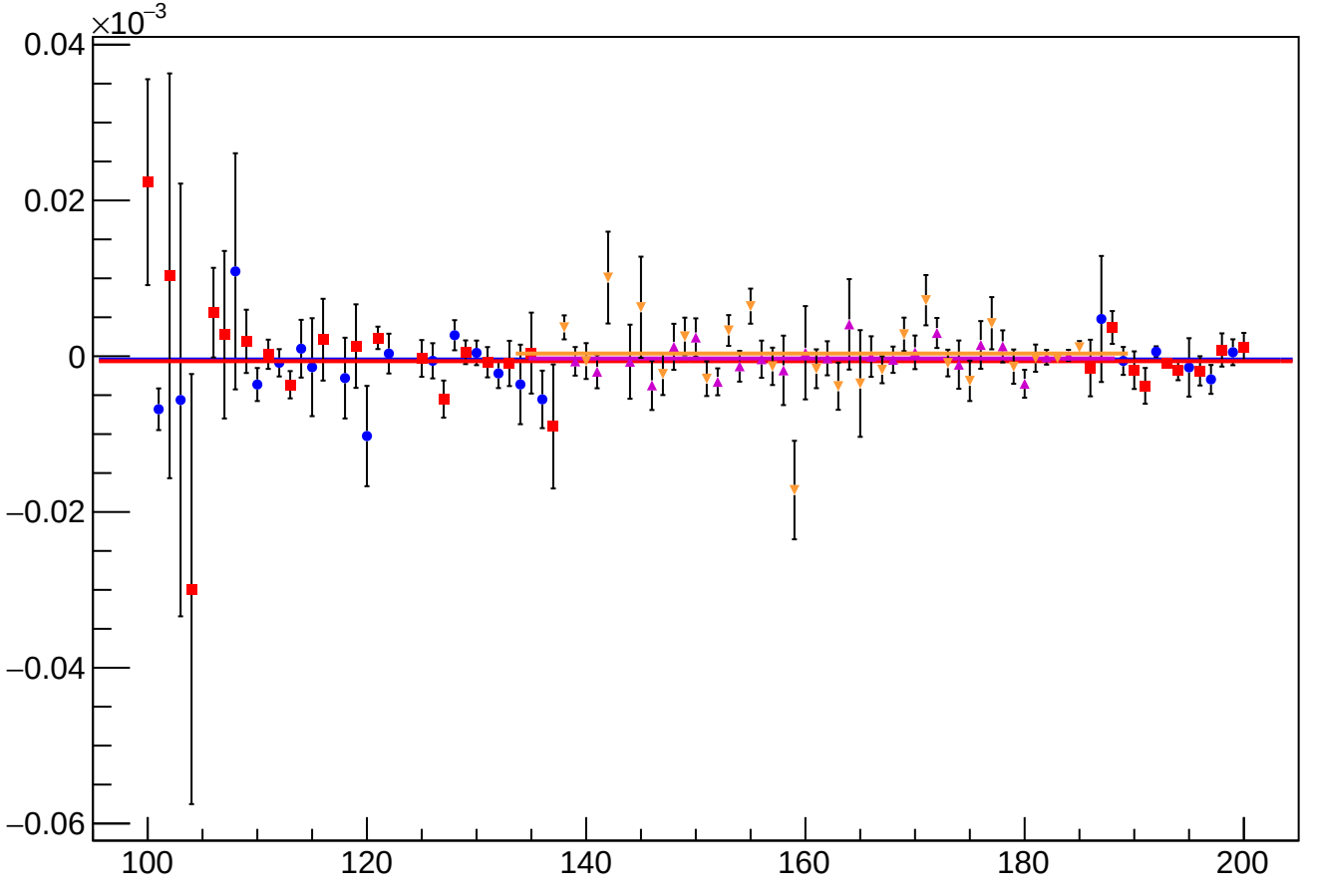
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.254+/-0.012 χ^2/NDF: 7185379.3/48

In: 62.503+/-0.009 χ^2/NDF:4467109.0/44

Out: 62.475+/-0.009 χ^2/NDF:7174477.7/50

All: 62.489+/-0.006 χ^2/NDF: 11641591.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

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

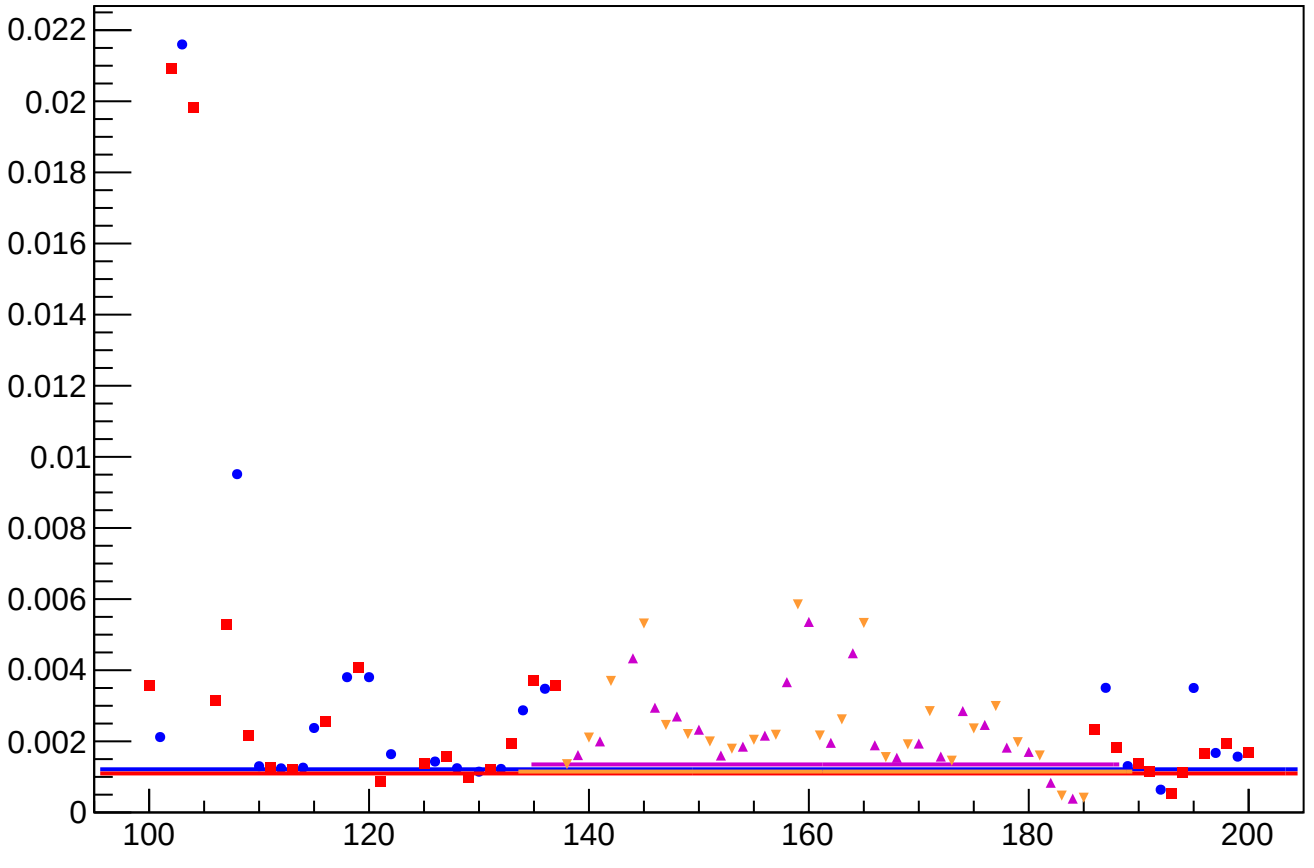
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.9/48

In: -0.000+/-0.000 χ^2/NDF:37.4/44

Out: -0.000+/-0.000 χ^2/NDF:79.9/50

All: -0.000+/-0.000 χ^2/NDF: 117.7/95



Right In: 0.001+/-0.000 χ^2/NDF: 6363888.2/21

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

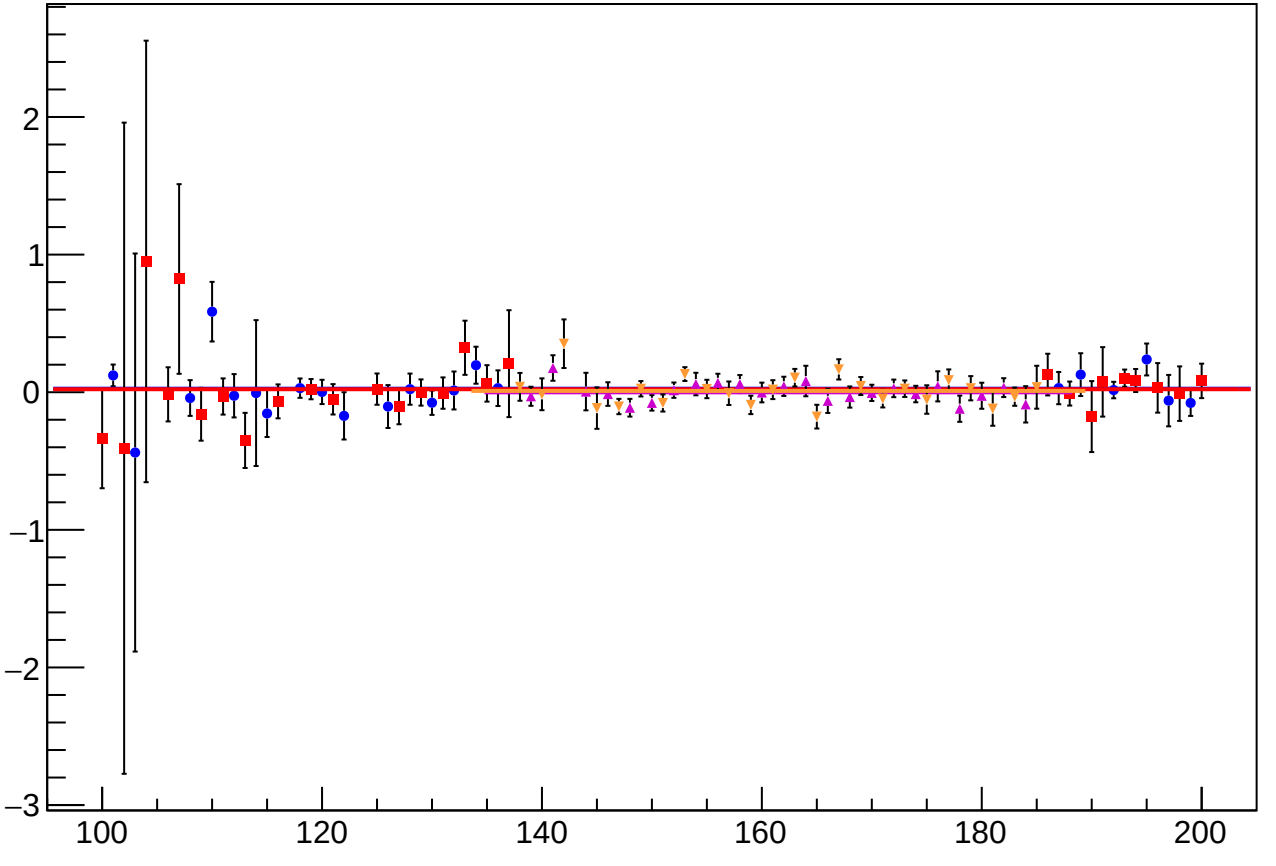
Right: 0.001+/-0.000 χ^2/NDF: 14121584.8/48

In: 0.001+/-0.000 χ^2/NDF:16724157.9/44

Out: 0.001+/-0.000 χ^2/NDF:20937103.3/50

All: 0.001+/-0.000 χ^2/NDF: 38035168.8/95

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

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

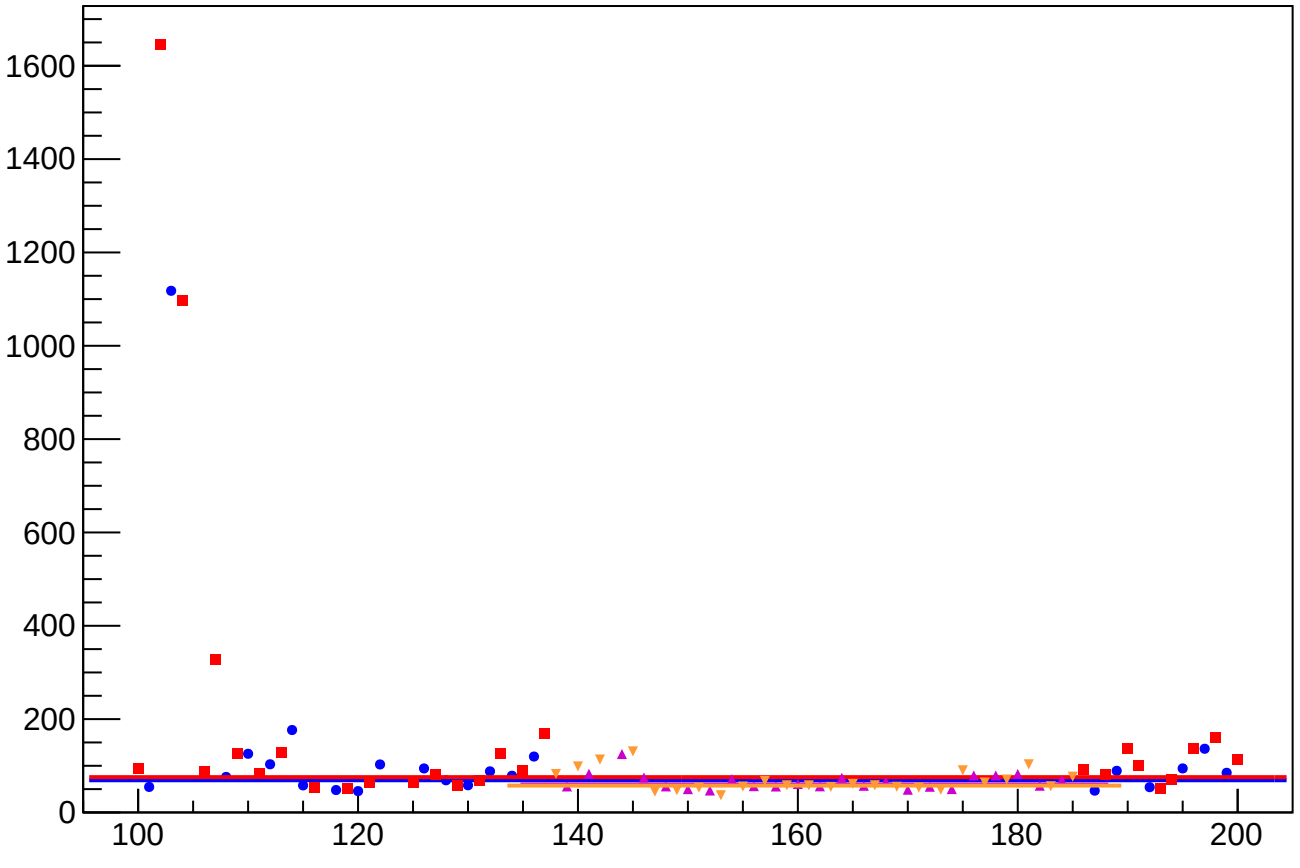
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.024+/-0.017 χ^2/NDF: 35.8/48

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.2/95



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

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

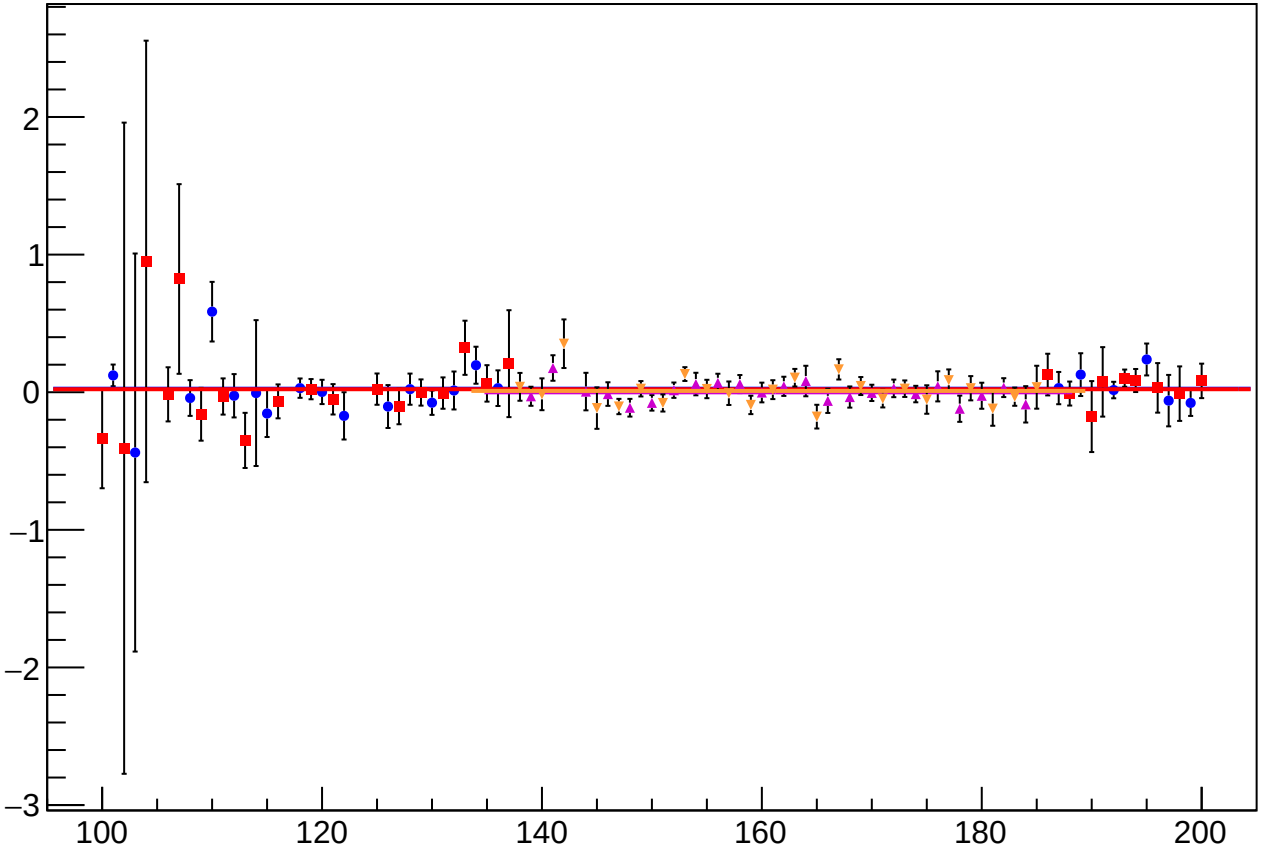
Right: 72.253+/-0.012 χ^2/NDF: 7185537.5/48

In: 62.503+/-0.009 χ^2/NDF:4467180.4/44

Out: 62.475+/-0.009 χ^2/NDF:7174541.9/50

All: 62.489+/-0.006 χ^2/NDF: 11641726.9/95

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

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

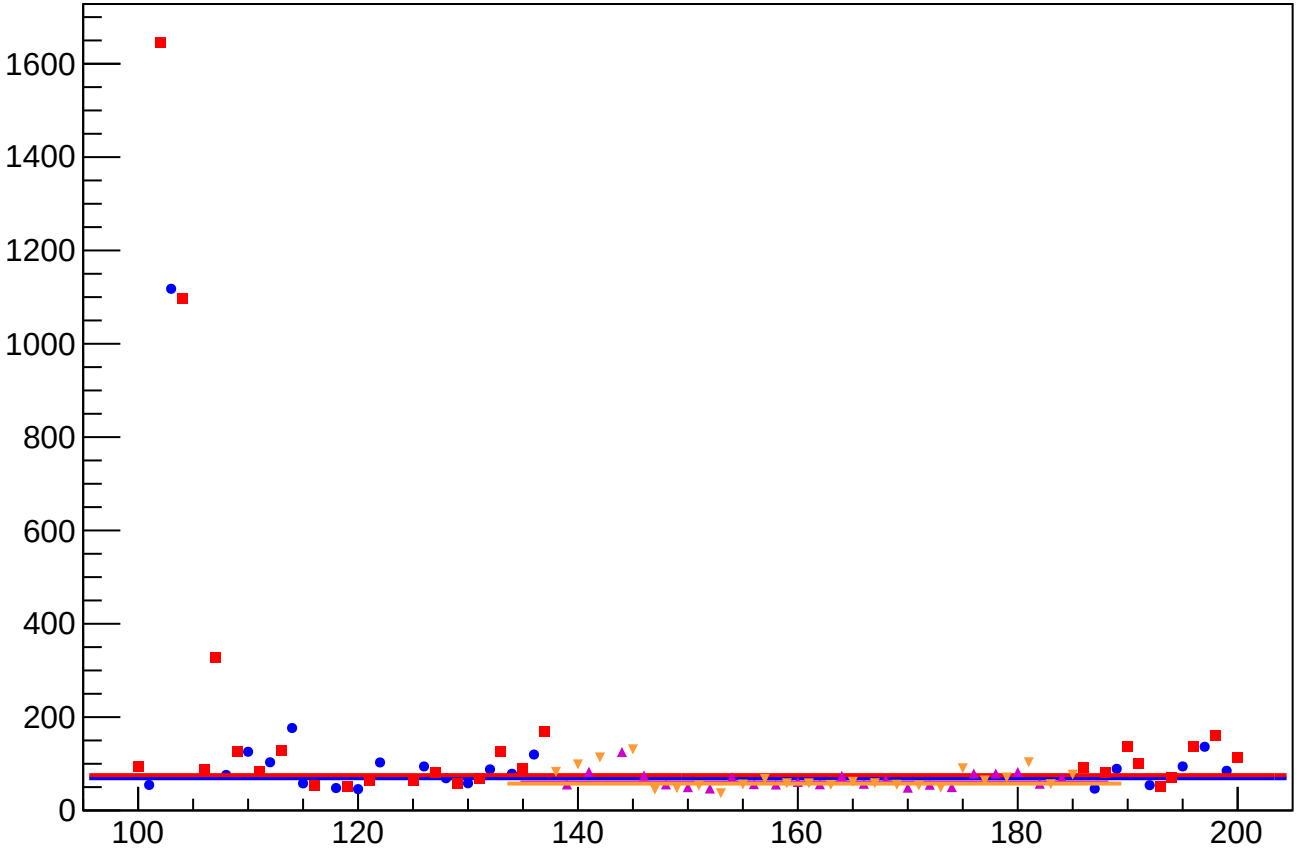
Right: 0.024+/-0.017 χ^2/NDF: 35.8/48

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.013+/-0.013 χ^2/NDF:50.6/50

All: 0.010+/-0.009 χ^2/NDF: 87.2/95

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

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

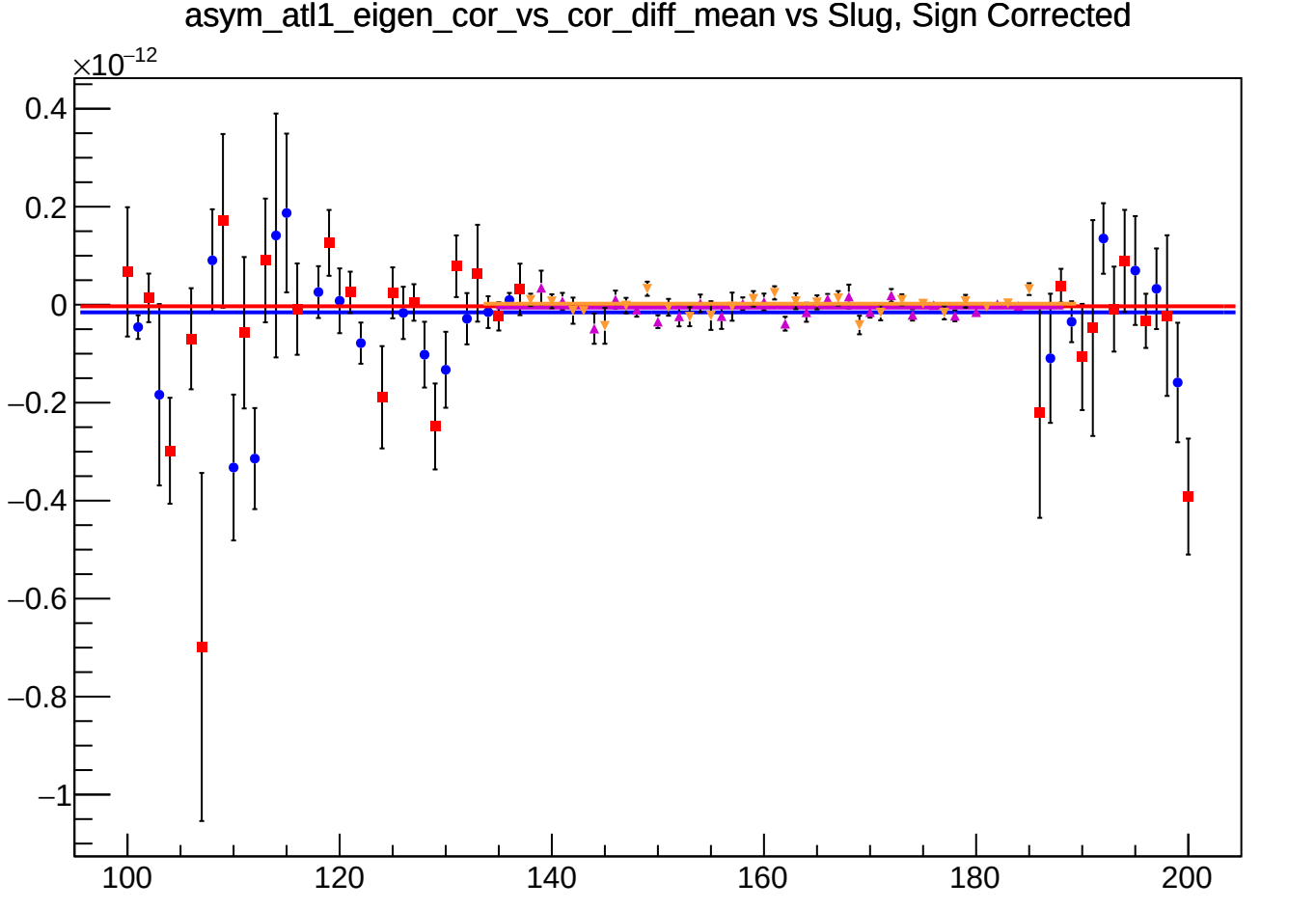
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

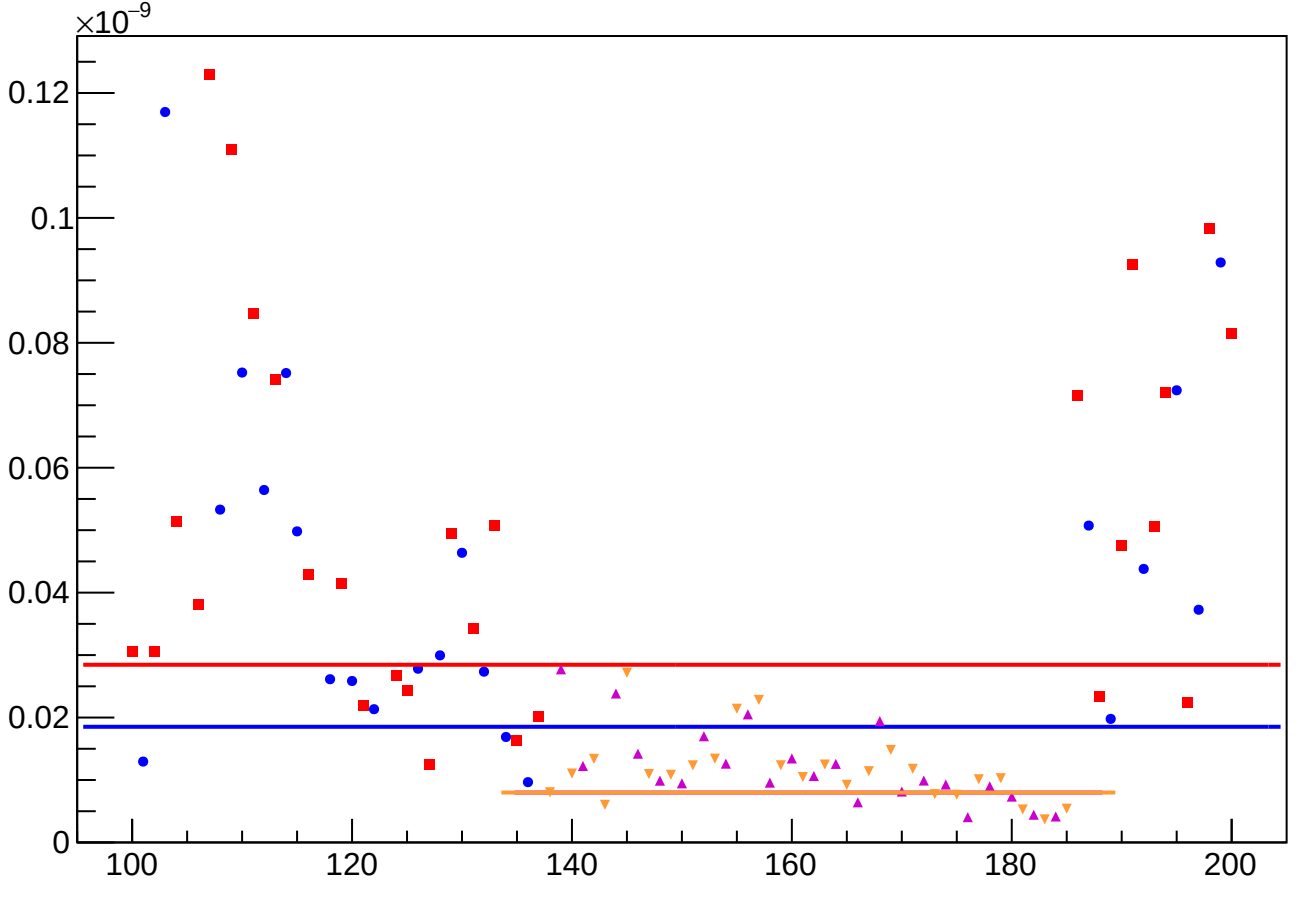
Right: 72.253+/-0.012 χ^2/NDF: 7185537.5/48

In: 62.503+/-0.009 χ^2/NDF:4467180.4/44

Out: 62.475+/-0.009 χ^2/NDF:7174541.9/50

All: 62.489+/-0.006 χ^2/NDF: 11641726.9/95


asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.7/21
Left Out: 0.000+/-0.000 χ²/NDF:31.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 47.6/27
Left In: -0.000+/-0.000 χ²/NDF:32.6/22
Left: -0.000+/-0.000 χ²/NDF: 69.4/47
Right: -0.000+/-0.000 χ²/NDF: 83.9/49
In: -0.000+/-0.000 χ²/NDF:69.3/44
Out: 0.000+/-0.000 χ²/NDF:79.7/52
All: -0.000+/-0.000 χ²/NDF: 154.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 4584654.2/21

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

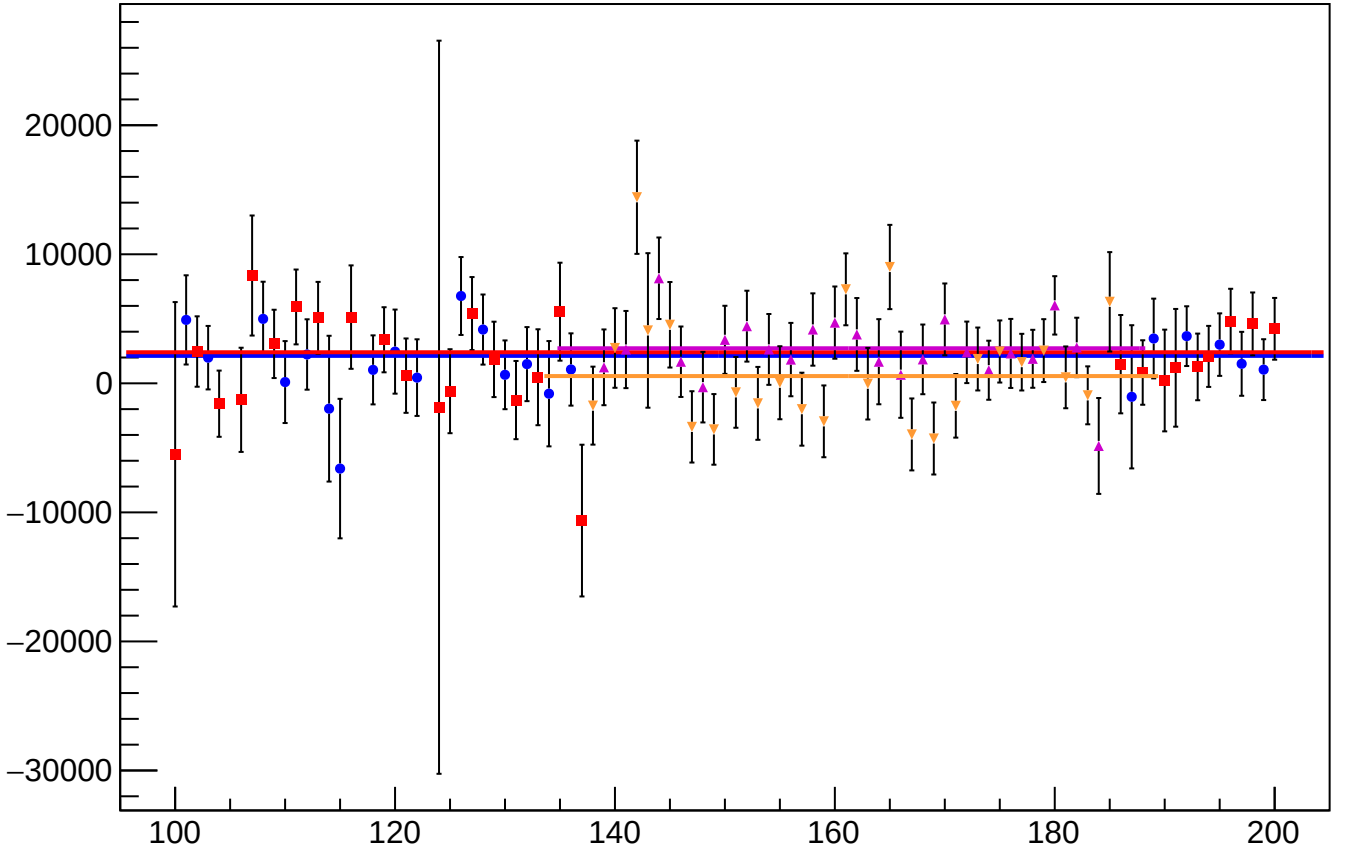
Right: 0.000+/-0.000 χ^2/NDF: 9418220.1/49

In: 0.000+/-0.000 χ^2/NDF:12078604.5/44

Out: 0.000+/-0.000 χ^2/NDF:14180622.5/52

All: 0.000+/-0.000 χ^2/NDF: 26260161.9/97

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2127.400+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2407.702+/-584.944 χ^2/NDF: 21.6/27

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

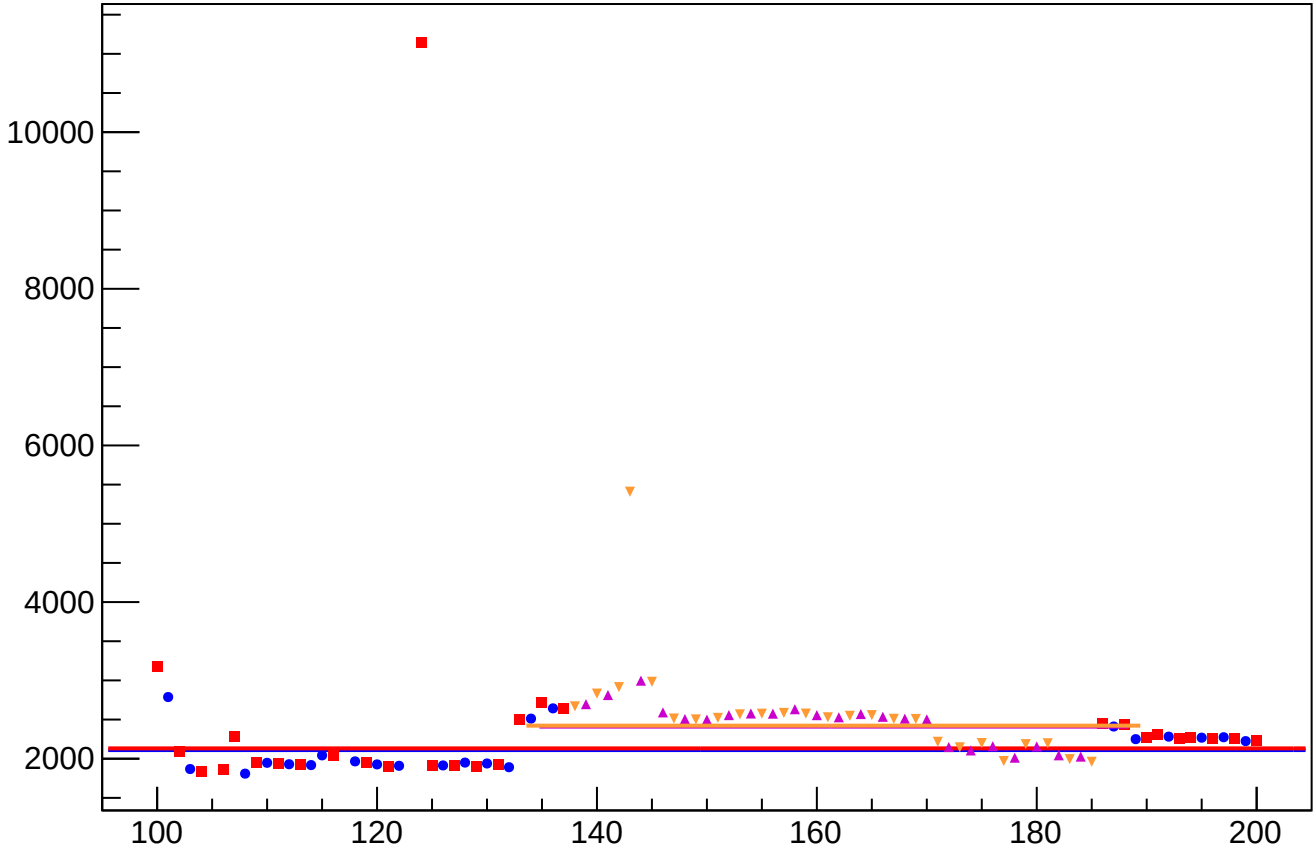
Right: 2277.123+/-427.509 χ^2/NDF: 32.6/49

In: 2451.425+/-420.026 χ^2/NDF:25.8/44

Out: 1440.440+/-403.496 χ^2/NDF:70.7/52

All: 1925.647+/-290.983 χ^2/NDF: 99.5/97

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.4/21

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

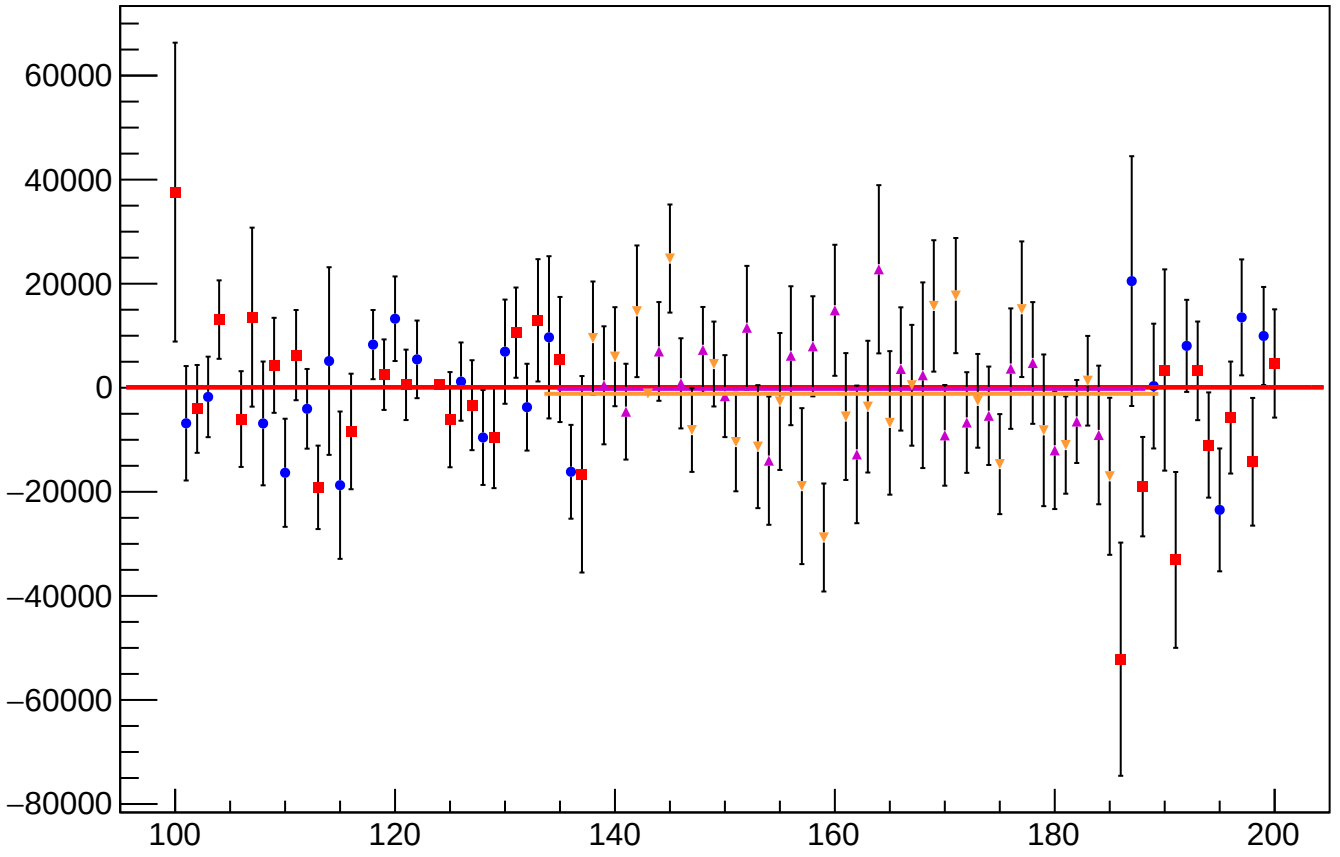
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2121.942+/-0.302 χ^2/NDF: 836501.2/49

In: 2275.198+/-0.297 χ^2/NDF:1005557.9/44

Out: 2284.073+/-0.285 χ^2/NDF:1720338.7/52

All: 2279.813+/-0.206 χ^2/NDF: 2726360.9/97



Right In: 42.903+/-2038.841 χ^2/NDF: 23.6/21

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

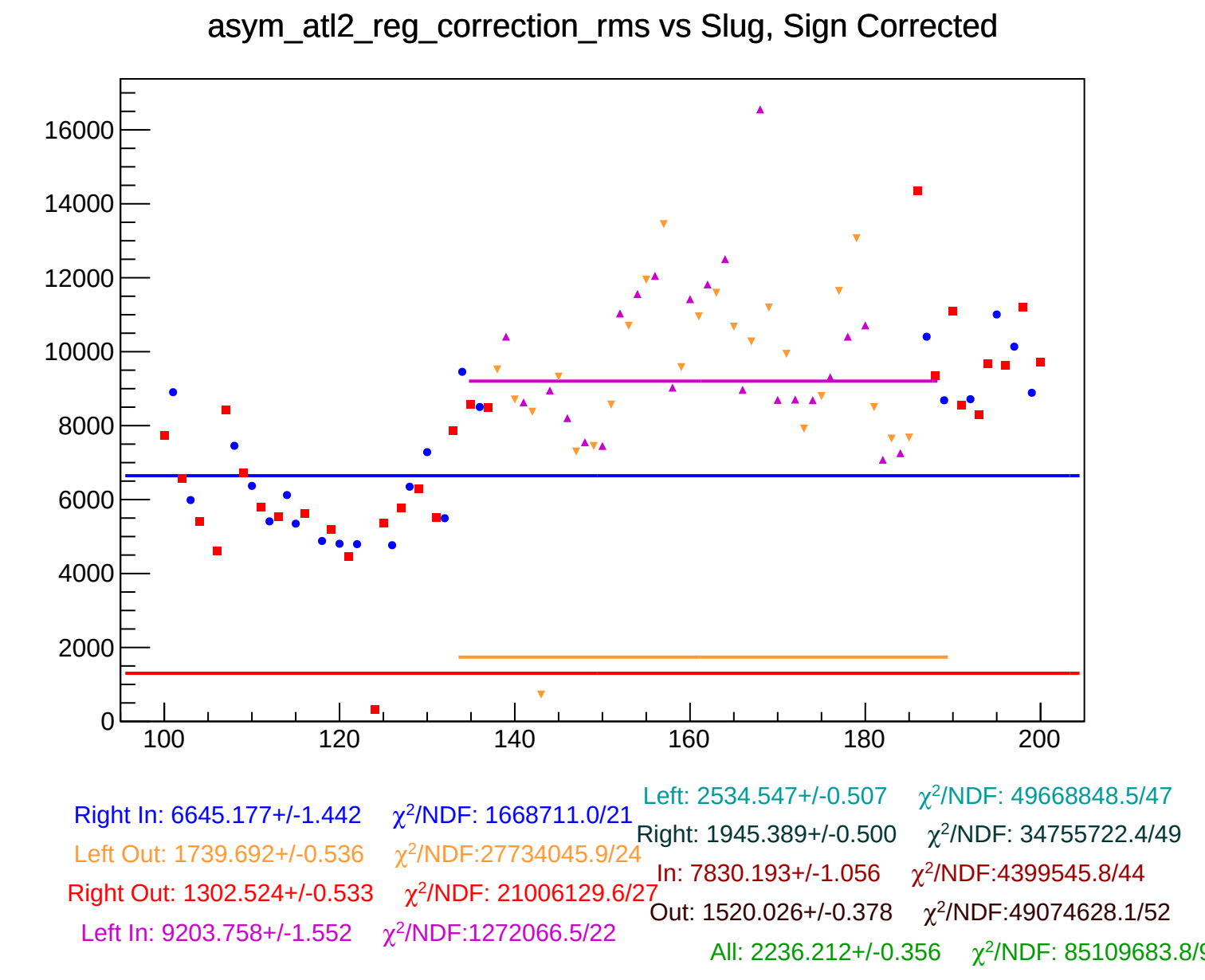
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 130.968+/-707.237 χ^2/NDF: 58.8/49

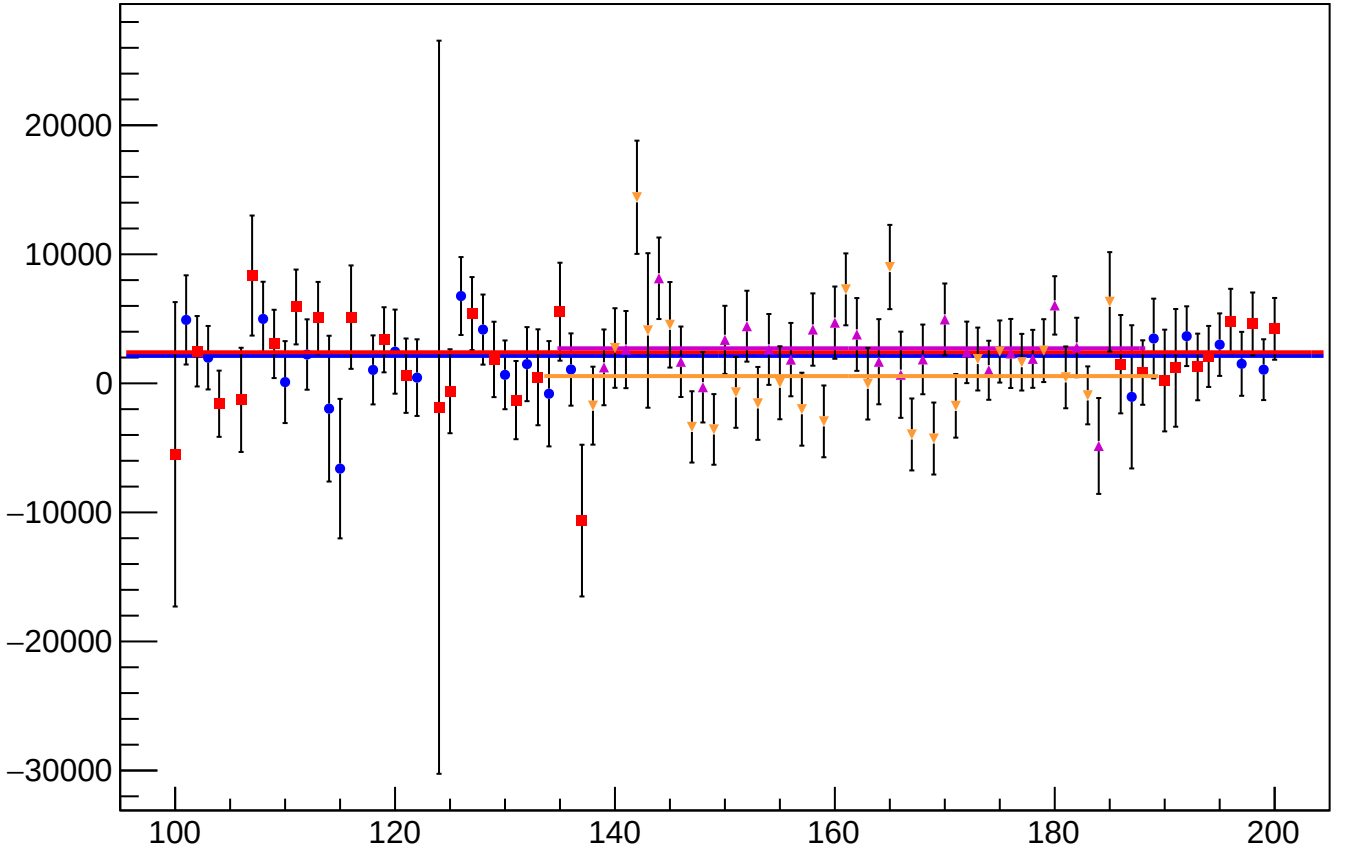
In: -74.070+/-1493.855 χ^2/NDF:37.0/44

Out: -504.381+/-534.516 χ^2/NDF:68.6/52

All: -455.542+/-503.270 χ^2/NDF: 105.7/97


asym_atl2_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6645.177+/-1.442 χ²/NDF: 1668711.0/21
Left Out: 1739.692+/-0.536 χ²/NDF:27734045.9/24
Right Out: 1302.524+/-0.533 χ²/NDF: 21006129.6/27
Left In: 9203.758+/-1.552 χ²/NDF:1272066.5/22
Left: 2534.547+/-0.507 χ²/NDF: 49668848.5/47
Right: 1945.389+/-0.500 χ²/NDF: 34755722.4/49
In: 7830.193+/-1.056 χ²/NDF:4399545.8/44
Out: 1520.026+/-0.378 χ²/NDF:49074628.1/52
All: 2236.212+/-0.356 χ²/NDF: 85109683.8/9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

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

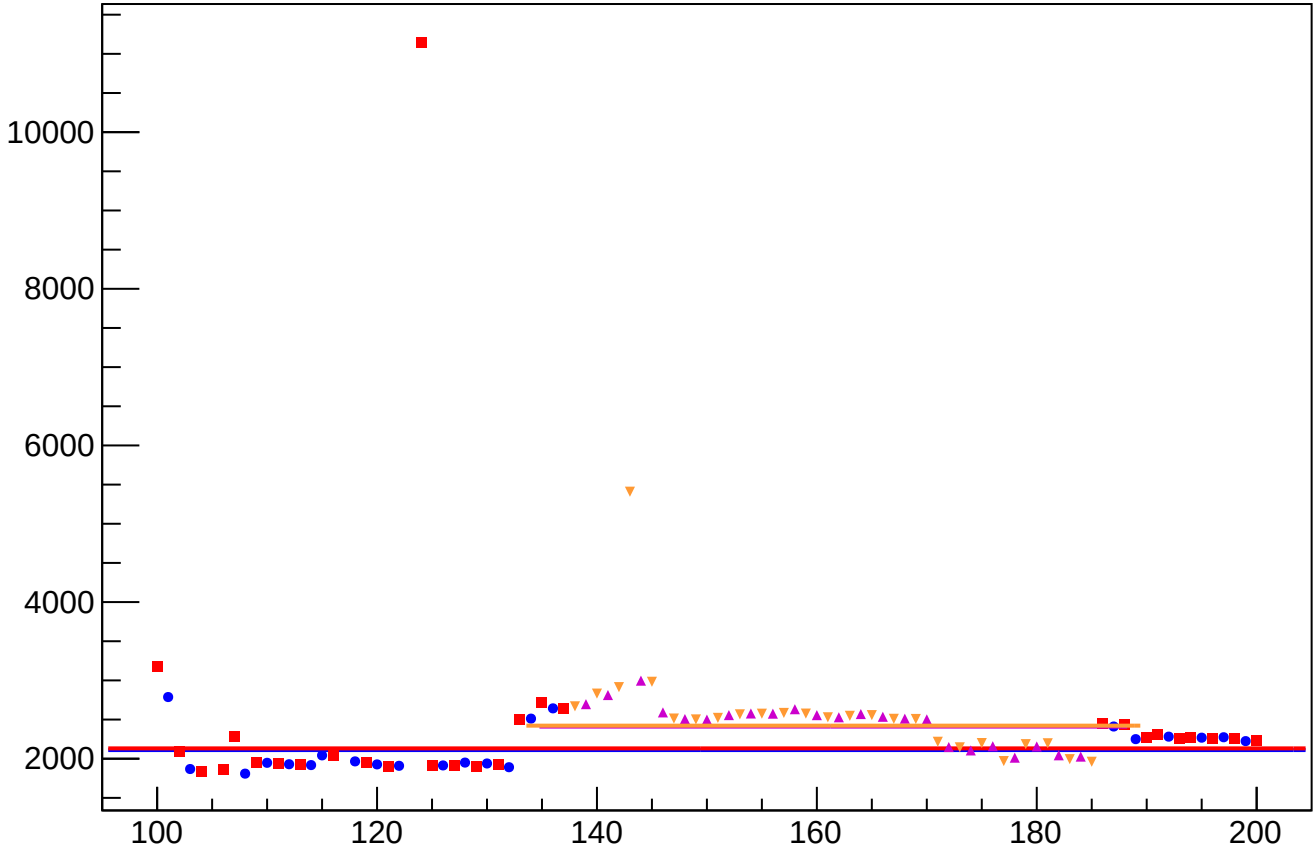
Right: 2277.743+/-427.511 χ^2/NDF: 32.6/49

In: 2451.430+/-420.026 χ^2/NDF:25.8/44

Out: 1440.964+/-403.497 χ^2/NDF:70.7/52

All: 1925.924+/-290.984 χ^2/NDF: 99.5/97

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

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

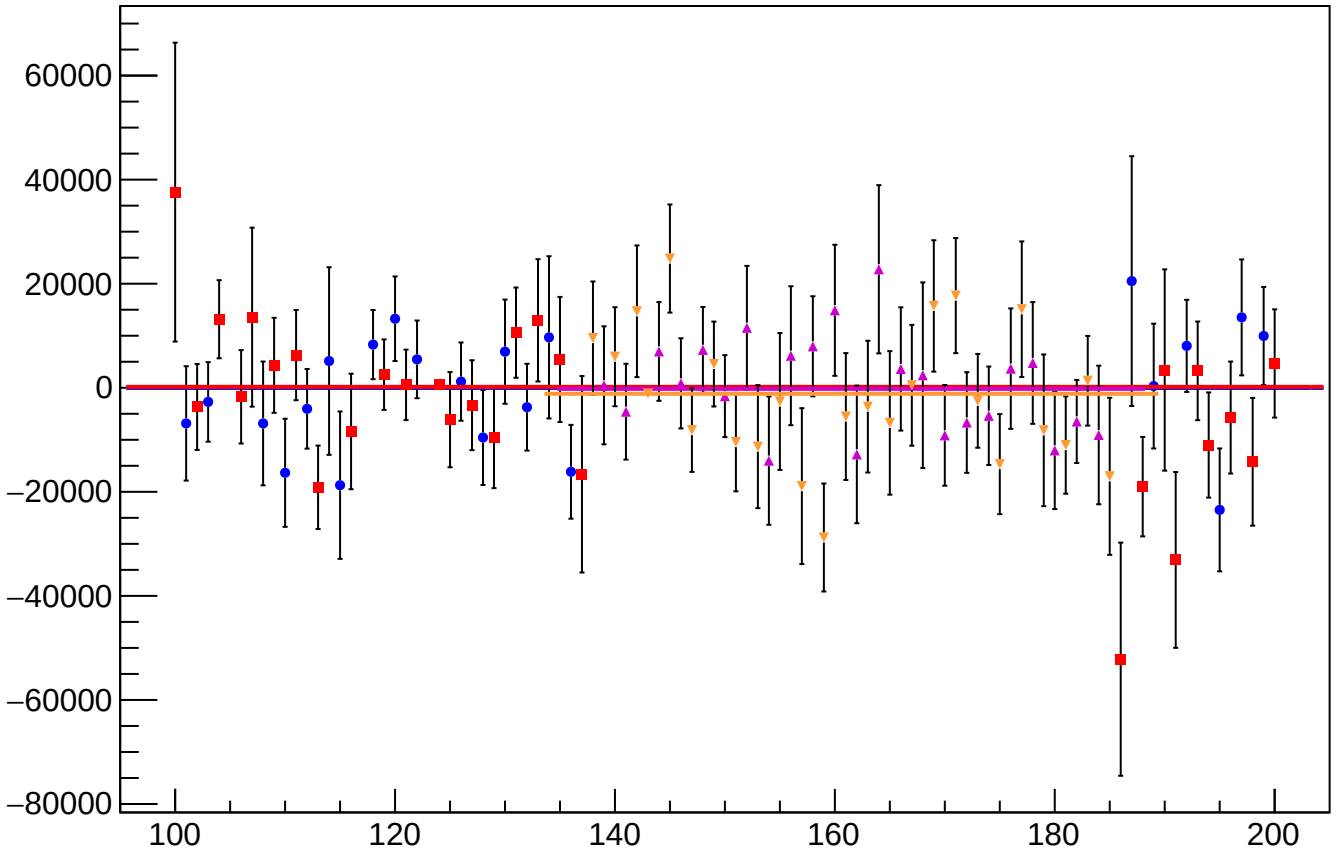
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2121.950+/-0.302 χ^2/NDF: 836497.0/49

In: 2275.198+/-0.297 χ^2/NDF:1005558.0/44

Out: 2284.080+/-0.285 χ^2/NDF:1720306.0/52

All: 2279.817+/-0.206 χ^2/NDF: 2726329.2/97



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

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

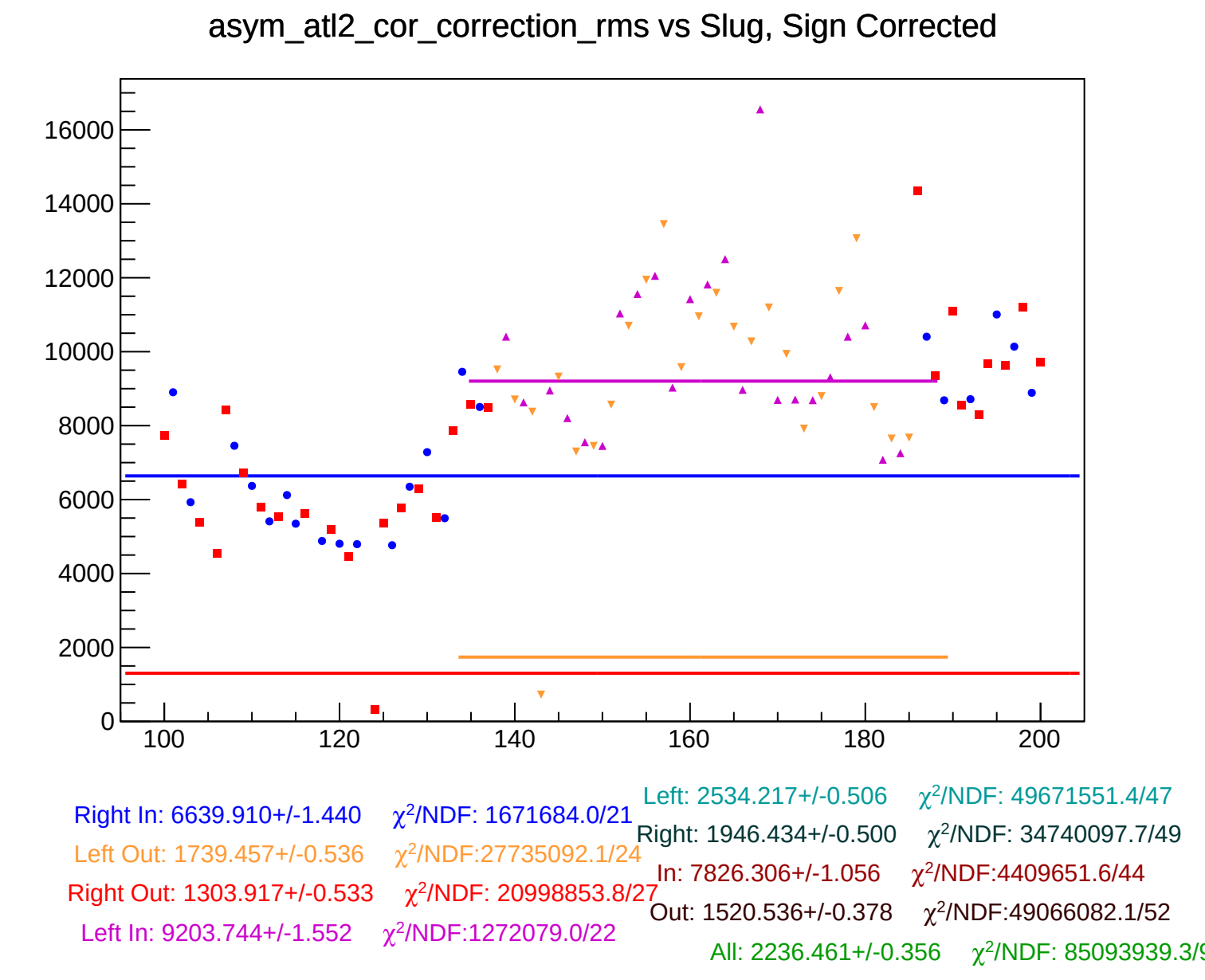
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 150.817+/-706.901 χ^2/NDF: 58.5/49

In: -112.407+/-1493.191 χ^2/NDF:37.1/44

Out: -487.760+/-534.379 χ^2/NDF:68.3/52

All: -445.144+/-503.130 χ^2/NDF: 105.5/97


asym_atl2_cor_correction_rms vs Slug, Sign Corrected
16000
14000
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2000
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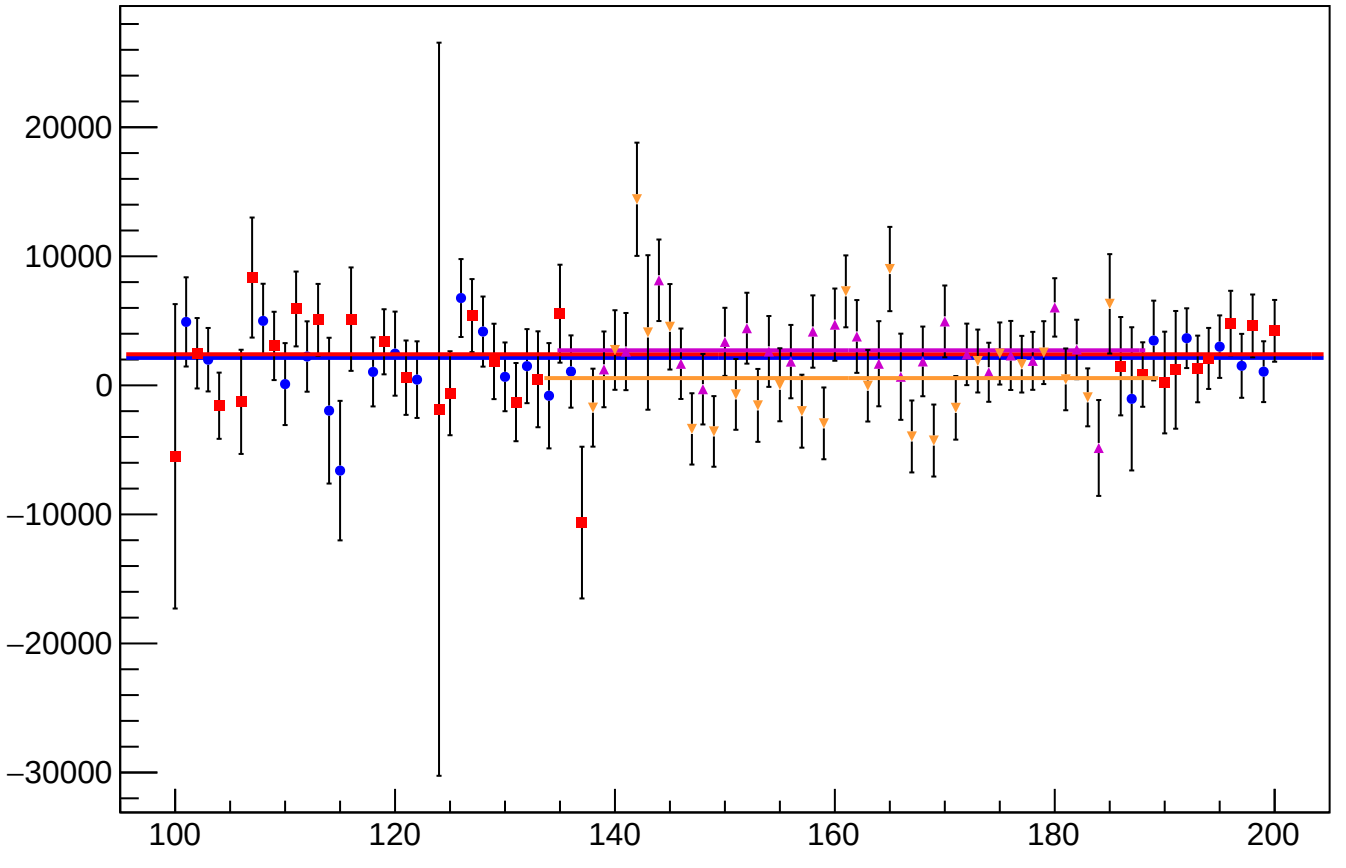
140
160
180
200
Right In: 6639.910+/-1.440 χ²/NDF: 1671684.0/21
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1303.917+/-0.533 χ²/NDF: 20998853.8/27
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 1946.434+/-0.500 χ²/NDF: 34740097.7/49
In: 7826.306+/-1.056 χ²/NDF:4409651.6/44
Out: 1520.536+/-0.378 χ²/NDF:49066082.1/52
All: 2236.461+/-0.356 χ²/NDF: 85093939.3/9



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

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

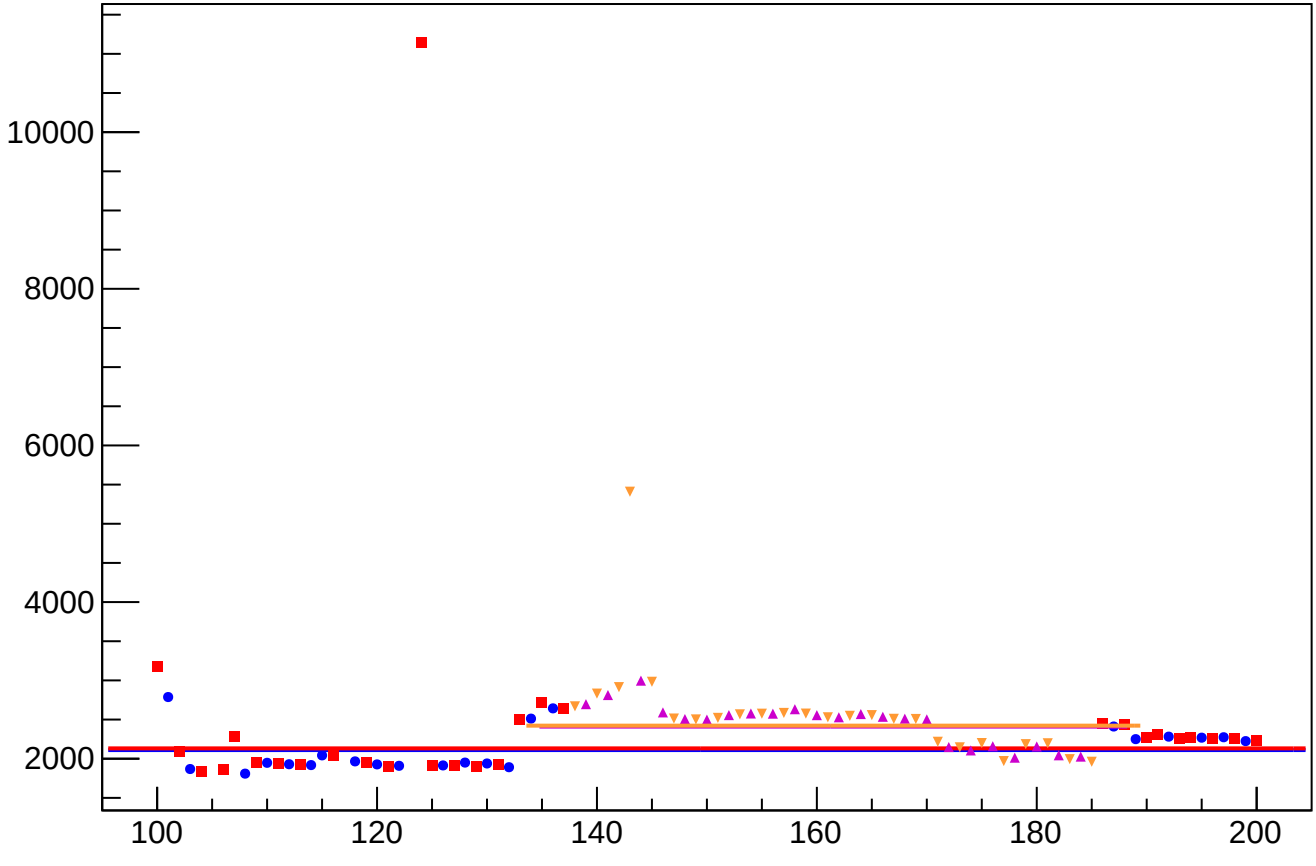
Right: 2277.743+/-427.511 χ^2/NDF: 32.6/49

In: 2451.430+/-420.026 χ^2/NDF:25.8/44

Out: 1440.964+/-403.497 χ^2/NDF:70.7/52

All: 1925.924+/-290.984 χ^2/NDF: 99.5/97

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

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

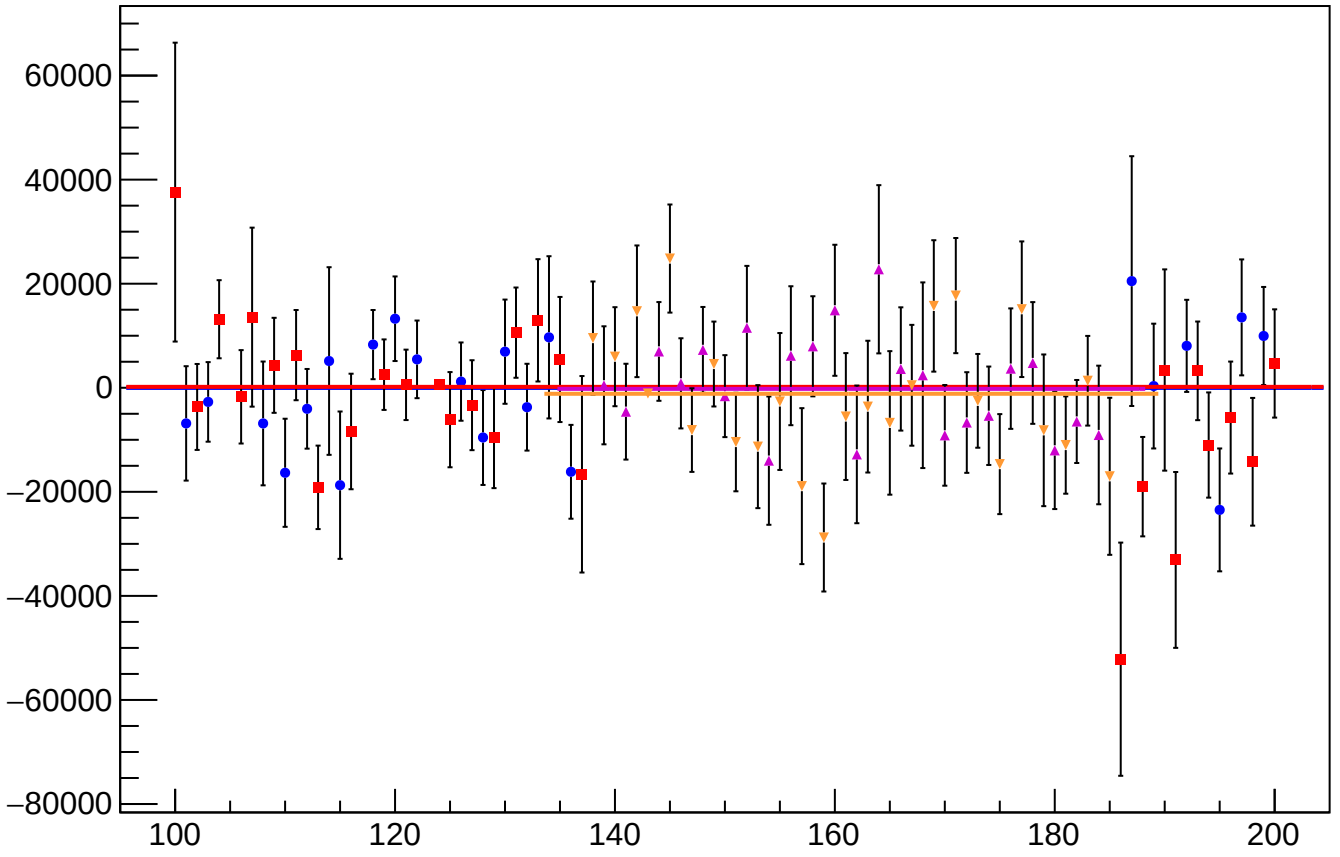
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2121.950+/-0.302 χ^2/NDF: 836497.0/49

In: 2275.198+/-0.297 χ^2/NDF:1005558.0/44

Out: 2284.080+/-0.285 χ^2/NDF:1720306.0/52

All: 2279.817+/-0.206 χ^2/NDF: 2726329.2/97



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

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

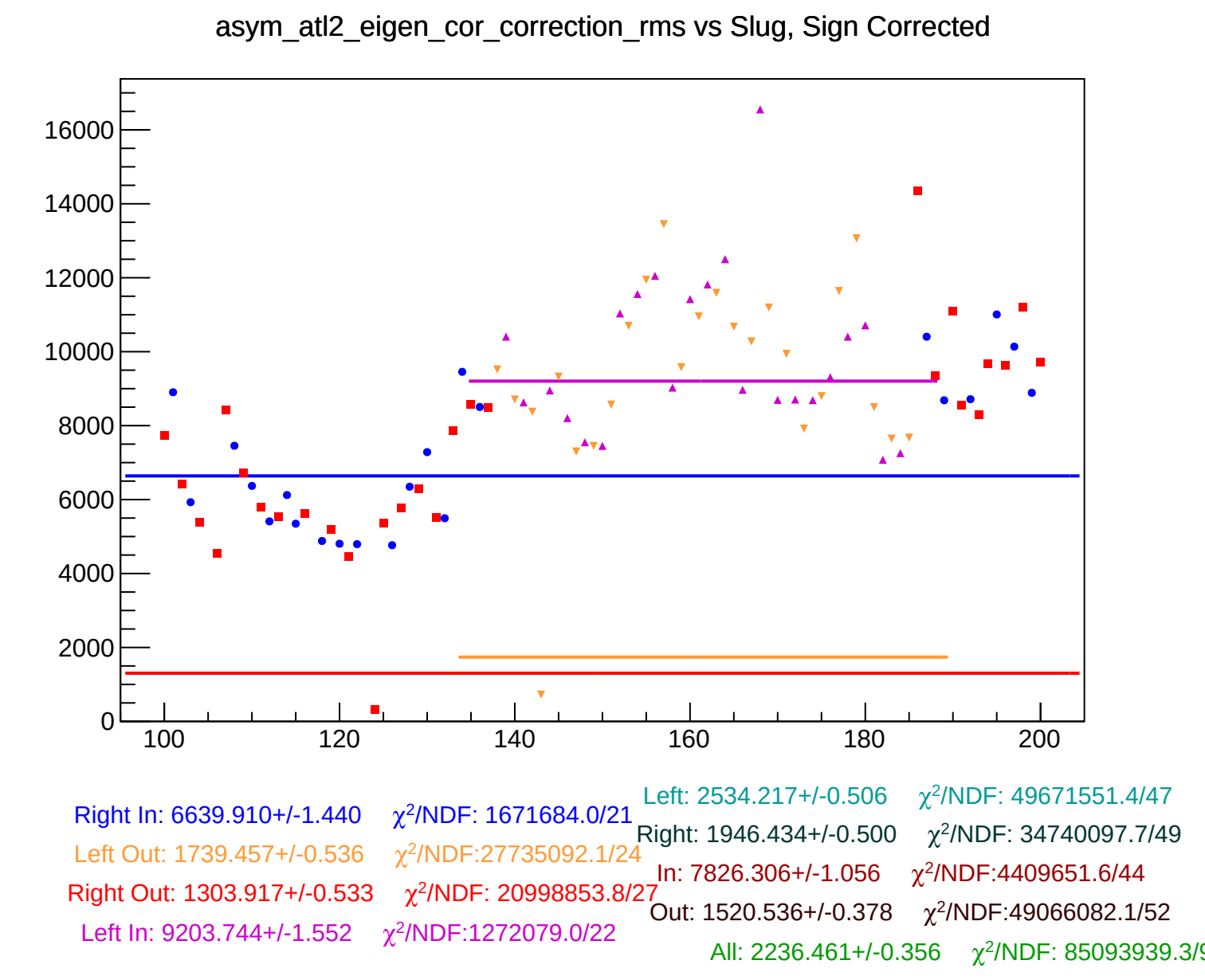
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 150.817+/-706.901 χ^2/NDF: 58.5/49

In: -112.407+/-1493.191 χ^2/NDF:37.1/44

Out: -487.760+/-534.379 χ^2/NDF:68.3/52

All: -445.144+/-503.130 χ^2/NDF: 105.5/97


asym_atl2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
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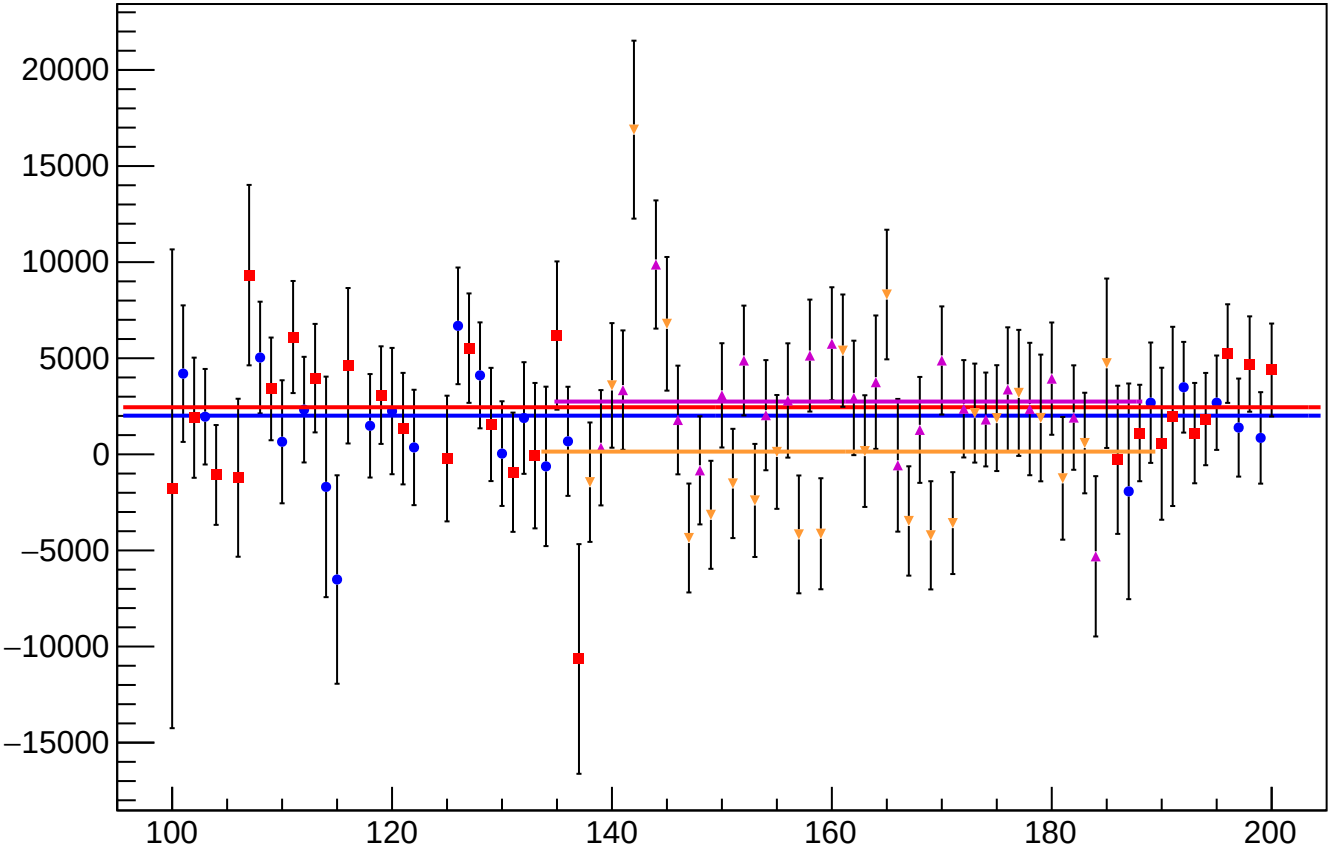
4000
2000
0
100
120
140
160
180
200
Right In: 6639.910+/-1.440 χ²/NDF: 1671684.0/21
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1303.917+/-0.533 χ²/NDF: 20998853.8/27
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 1946.434+/-0.500 χ²/NDF: 34740097.7/49
In: 7826.306+/-1.056 χ²/NDF:4409651.6/44
Out: 1520.536+/-0.378 χ²/NDF:49066082.1/52
All: 2236.461+/-0.356 χ²/NDF: 85093939.3/9

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2012.062+/-634.914 χ^2/NDF: 10.3/21

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

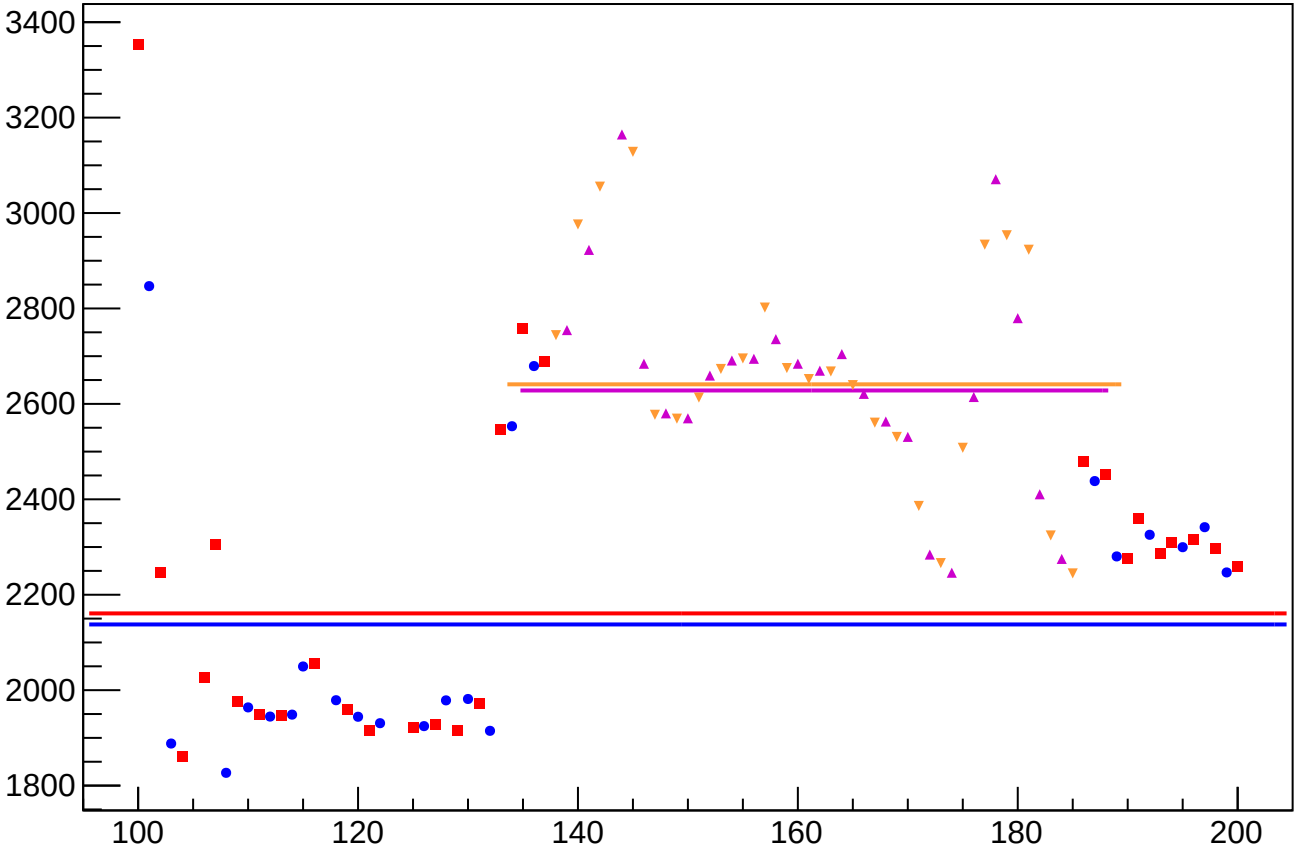
Right: 2245.472+/-434.233 χ^2/NDF: 31.3/48

In: 2390.043+/-442.159 χ^2/NDF:26.4/44

Out: 1335.663+/-427.945 χ^2/NDF:73.8/50

All: 1845.634+/-307.505 χ^2/NDF: 103.1/95

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.0/21

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

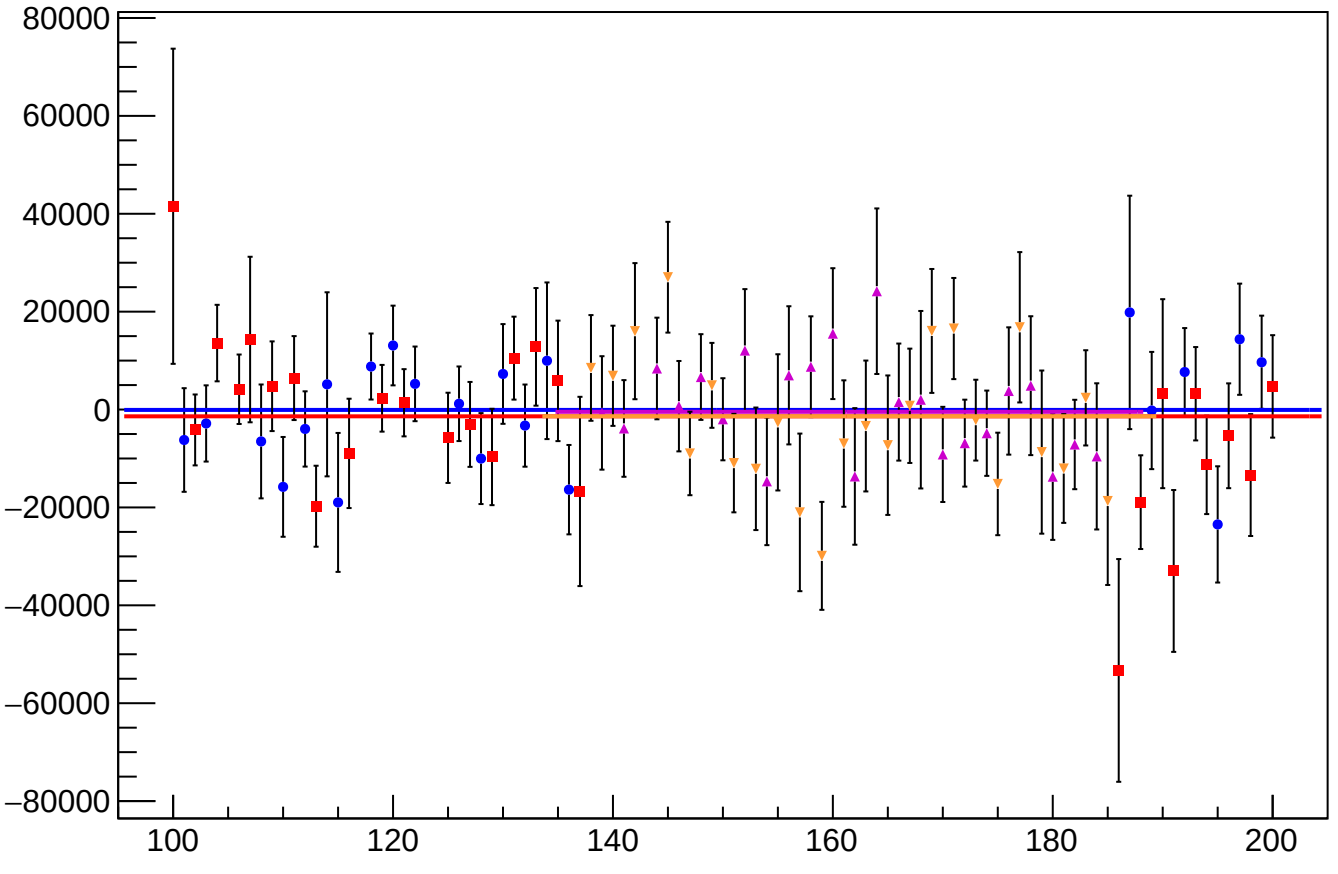
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

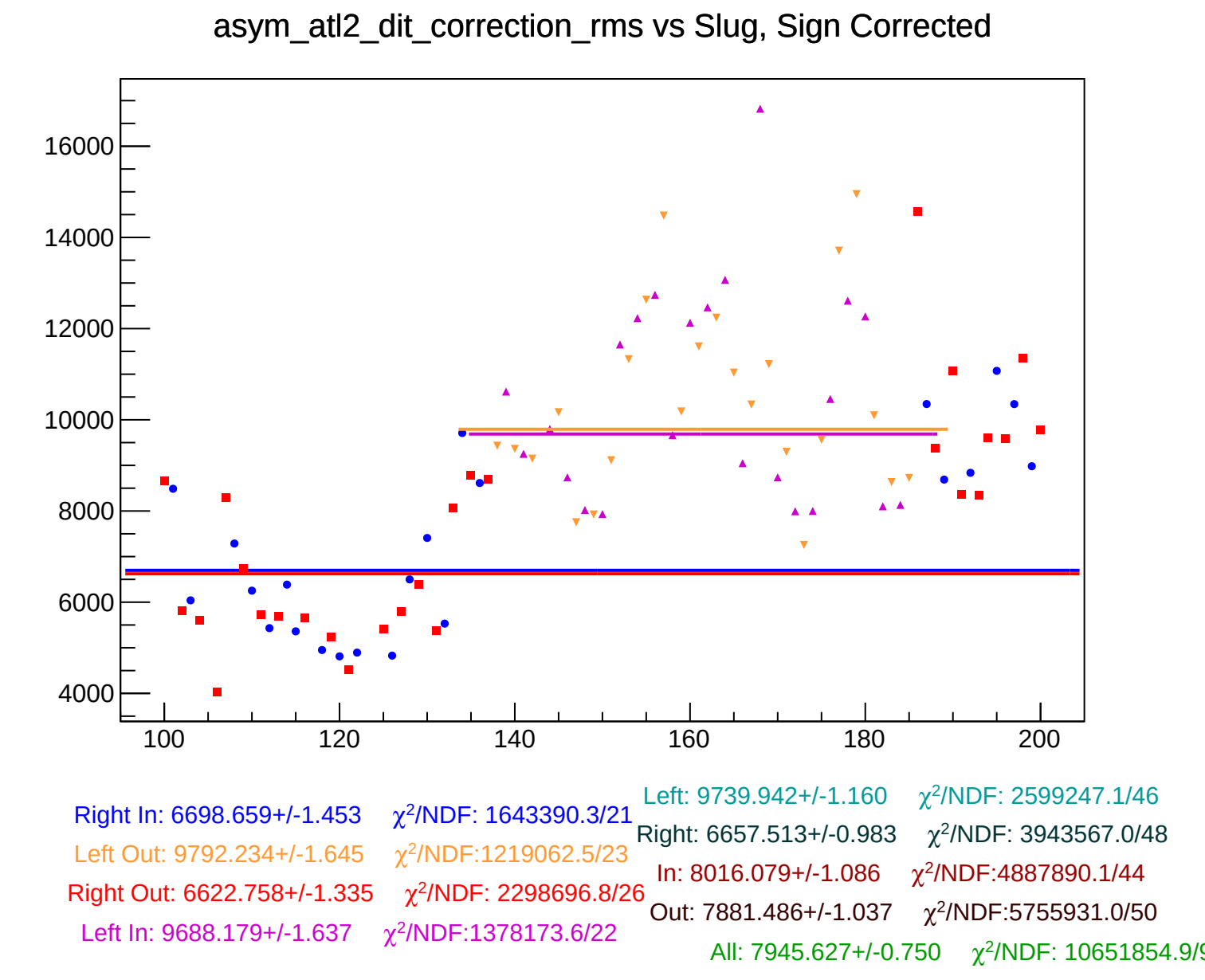
Right: 2150.068+/-0.307 χ^2/NDF: 657101.8/48

In: 2390.288+/-0.313 χ^2/NDF:1192540.9/44

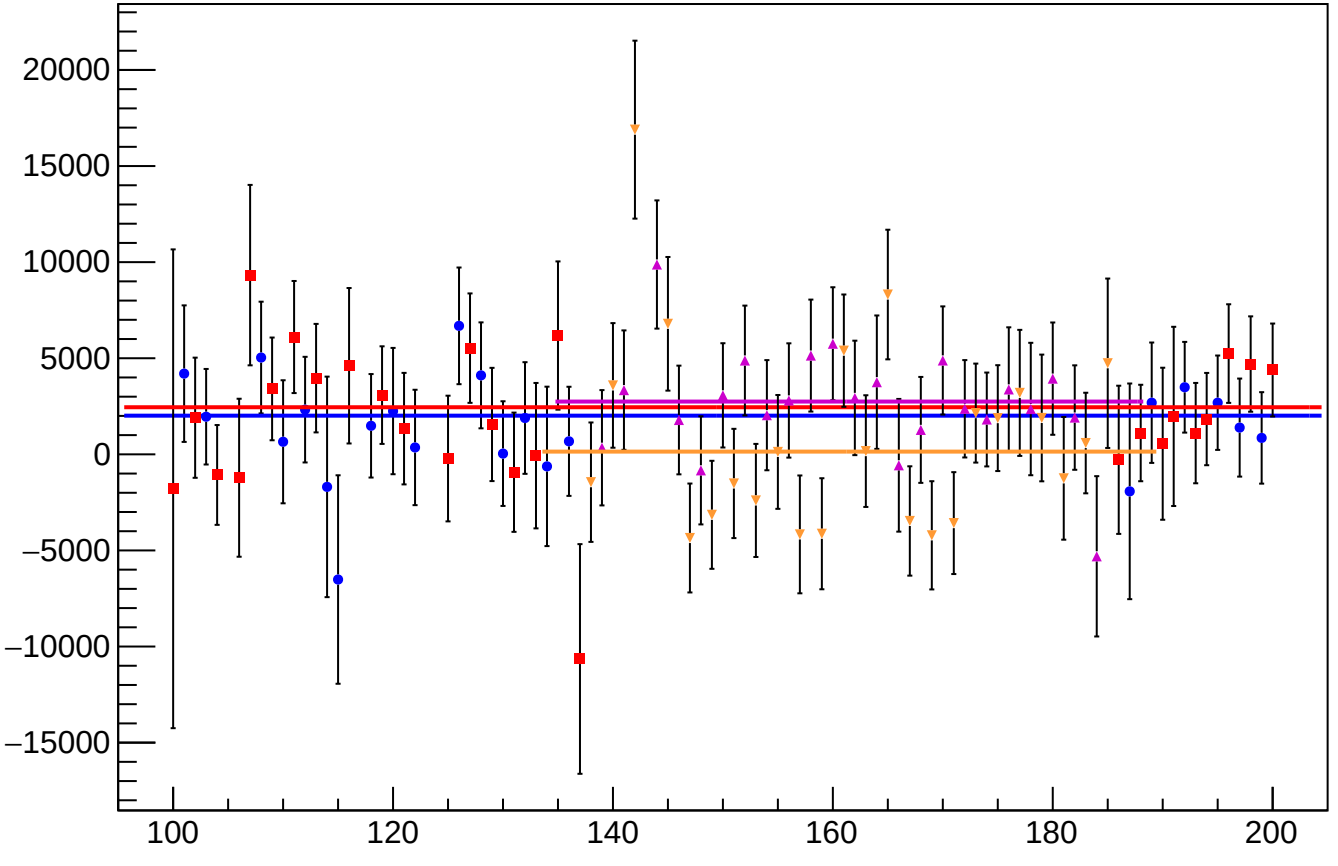
Out: 2392.586+/-0.302 χ^2/NDF:1197633.3/50

All: 2391.475+/-0.217 χ^2/NDF: 2390202.0/95


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -75.123+/-2054.396 χ²/NDF: 23.5/21
Left Out: -1366.840+/-2326.289 χ²/NDF:31.3/23
Right Out: -1385.728+/-1888.112 χ²/NDF: 34.4/26
Left In: -463.775+/-2314.478 χ²/NDF:13.1/22
Left: -913.009+/-1640.743 χ²/NDF: 44.4/46
Right: -785.605+/-1390.172 χ²/NDF: 58.1/48
In: -246.394+/-1536.436 χ²/NDF:36.6/44
Out: -1378.227+/-1466.006 χ²/NDF:65.6/50
All: -838.846+/-1060.648 χ²/NDF: 102.5/95


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6698.659+/-1.453 χ²/NDF: 1643390.3/21
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: 6657.513+/-0.983 χ²/NDF: 3943567.0/48
In: 8016.079+/-1.086 χ²/NDF:4887890.1/44
Out: 7881.486+/-1.037 χ²/NDF:5755931.0/50
All: 7945.627+/-0.750 χ²/NDF: 10651854.9/9

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2012.060+/-634.914 χ^2/NDF: 10.3/21

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

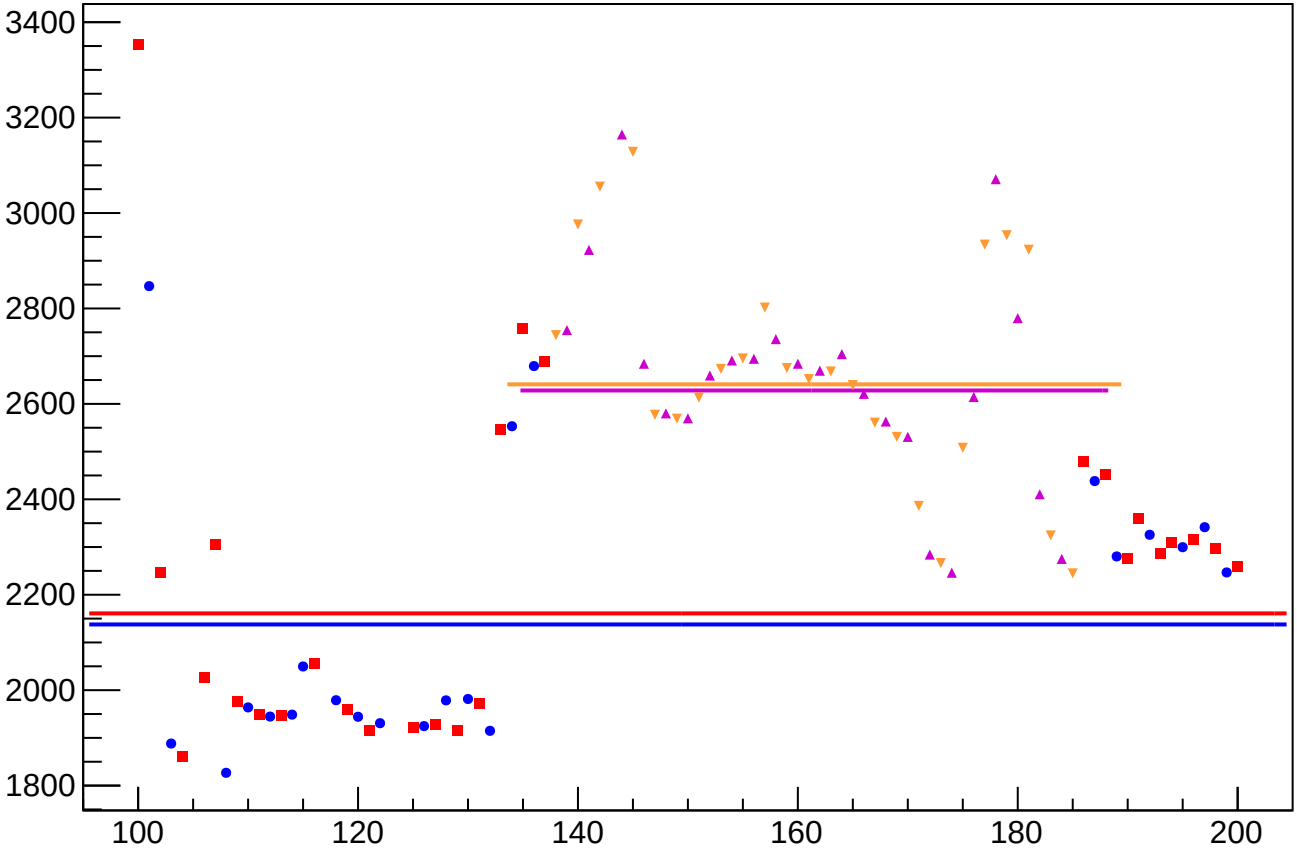
Right: 2245.472+/-434.233 χ^2/NDF: 31.3/48

In: 2390.041+/-442.159 χ^2/NDF:26.4/44

Out: 1335.659+/-427.946 χ^2/NDF:73.8/50

All: 1845.631+/-307.505 χ^2/NDF: 103.1/95

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.1/21

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2160.886+/-0.420 χ^2/NDF: 315097.9/26

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

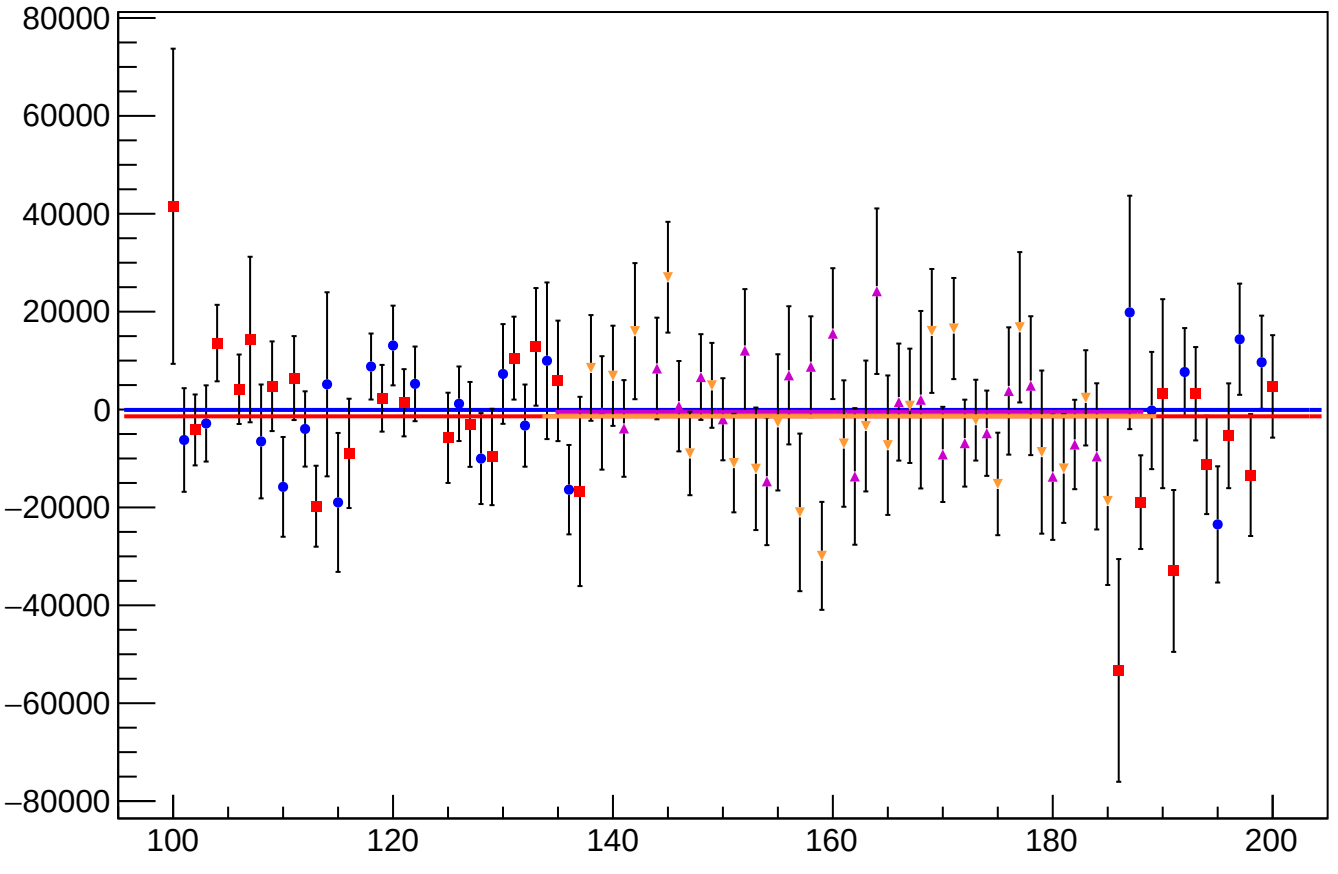
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2150.068+/-0.307 χ^2/NDF: 657102.4/48

In: 2390.289+/-0.313 χ^2/NDF:1192554.8/44

Out: 2392.587+/-0.302 χ^2/NDF:1197648.3/50

All: 2391.476+/-0.217 χ^2/NDF: 2390231.0/95



Right In: -75.116+/-2054.392 χ^2/NDF: 23.5/21

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

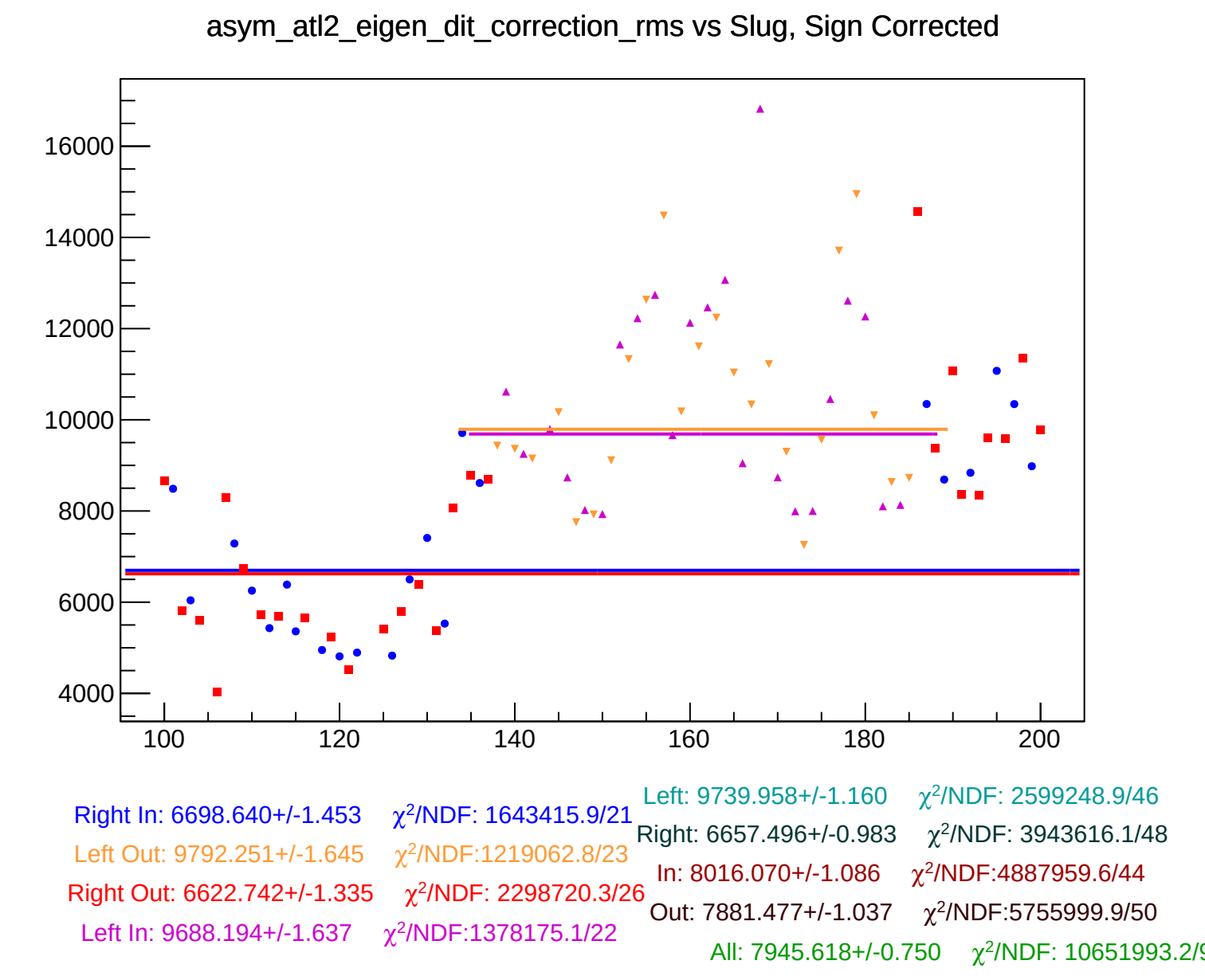
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -785.595+/-1390.169 χ^2/NDF: 58.1/48

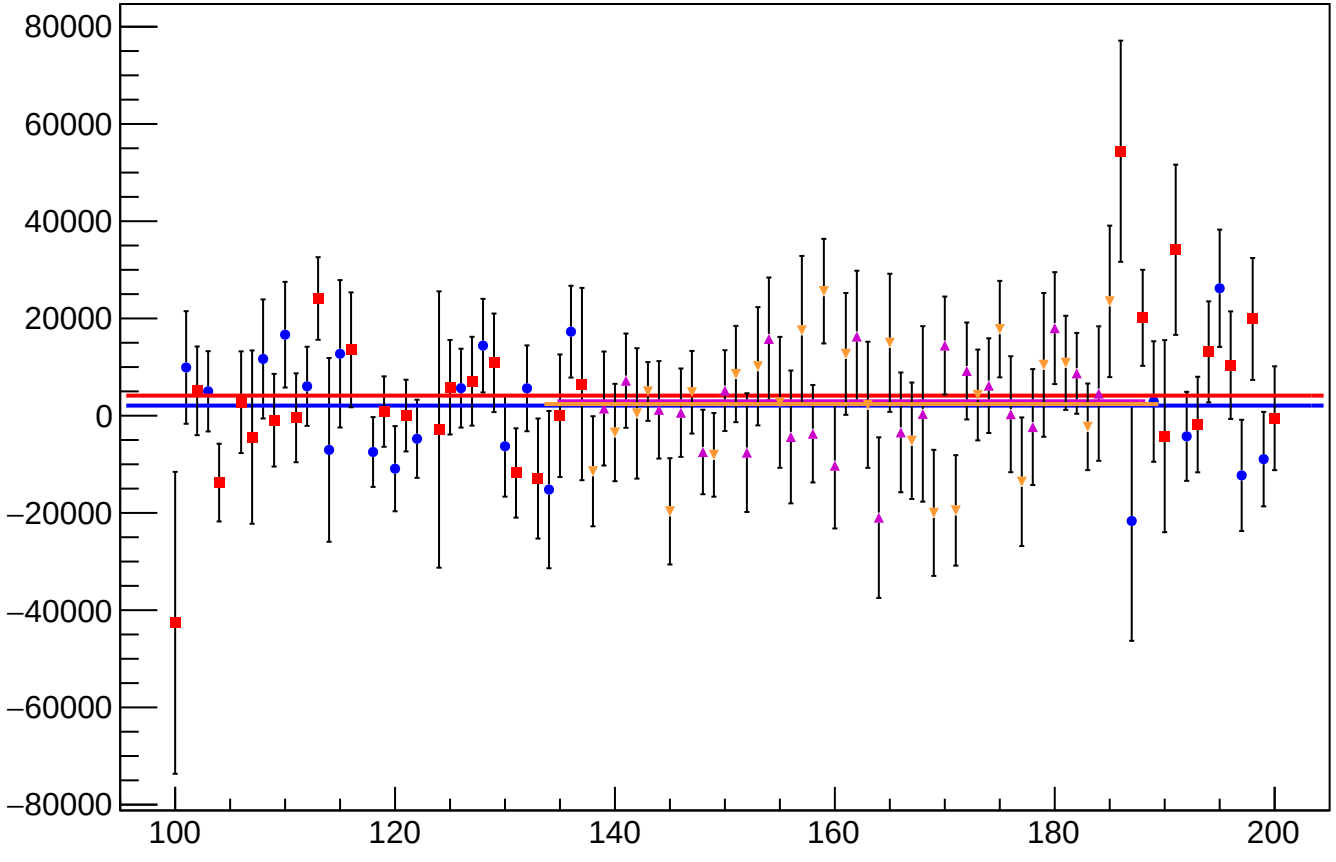
In: -246.390+/-1536.435 χ^2/NDF:36.6/44

Out: -1378.223+/-1466.006 χ^2/NDF:65.6/50

All: -838.842+/-1060.647 χ^2/NDF: 102.5/95


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: 6698.640+/-1.453 χ²/NDF: 1643415.9/21
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: 6657.496+/-0.983 χ²/NDF: 3943616.1/48
In: 8016.070+/-1.086 χ²/NDF:4887959.6/44
Out: 7881.477+/-1.037 χ²/NDF:5755999.9/50
All: 7945.618+/-0.750 χ²/NDF: 10651993.2/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2075.845+/-2152.287 χ^2/NDF: 23.3/21

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

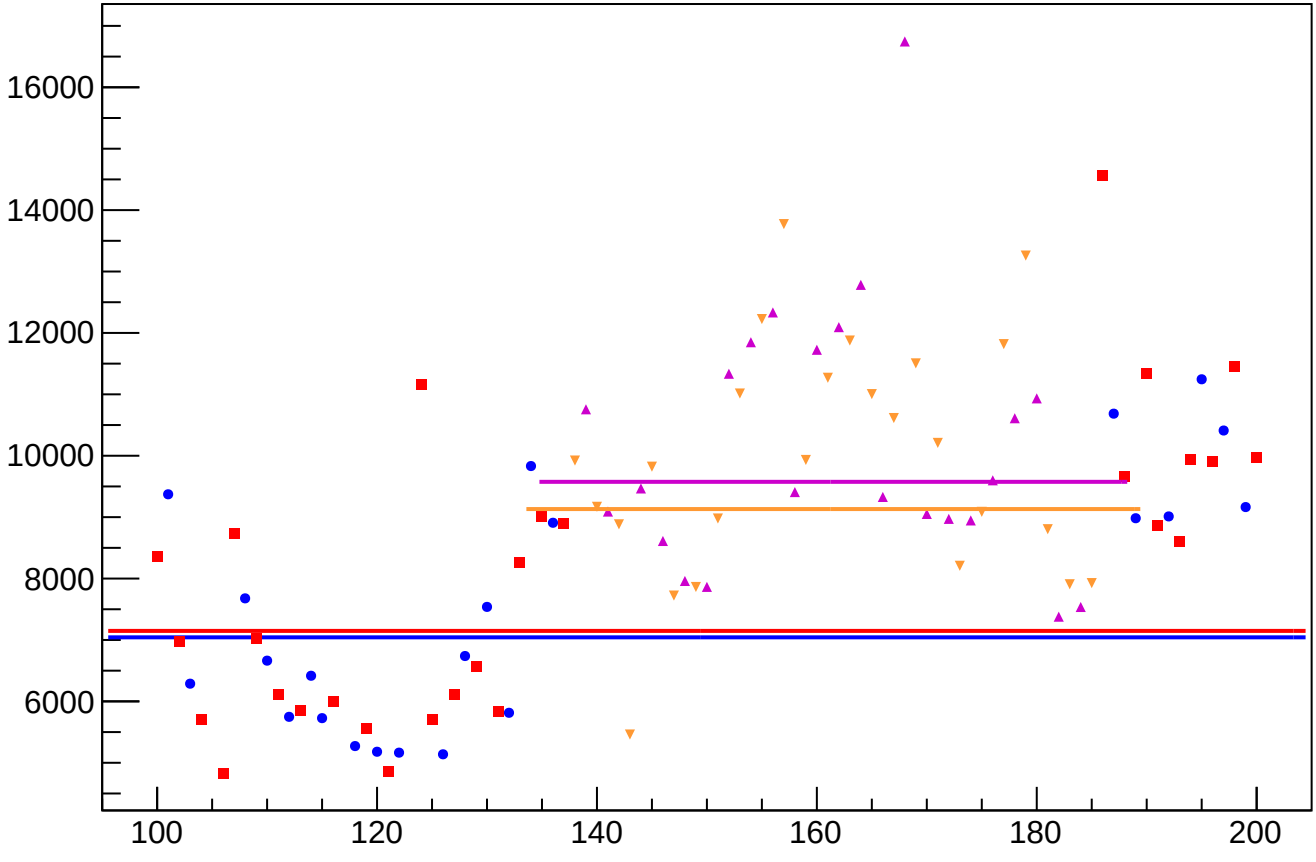
Right: 3166.350+/-1474.309 χ^2/NDF: 58.0/49

In: 2494.342+/-1564.752 χ^2/NDF:36.4/44

Out: 3306.371+/-1469.215 χ^2/NDF:64.3/52

All: 2925.902+/-1071.075 χ^2/NDF: 100.8/97

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7042.776+/-1.522 χ^2/NDF: 1485081.8/21

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

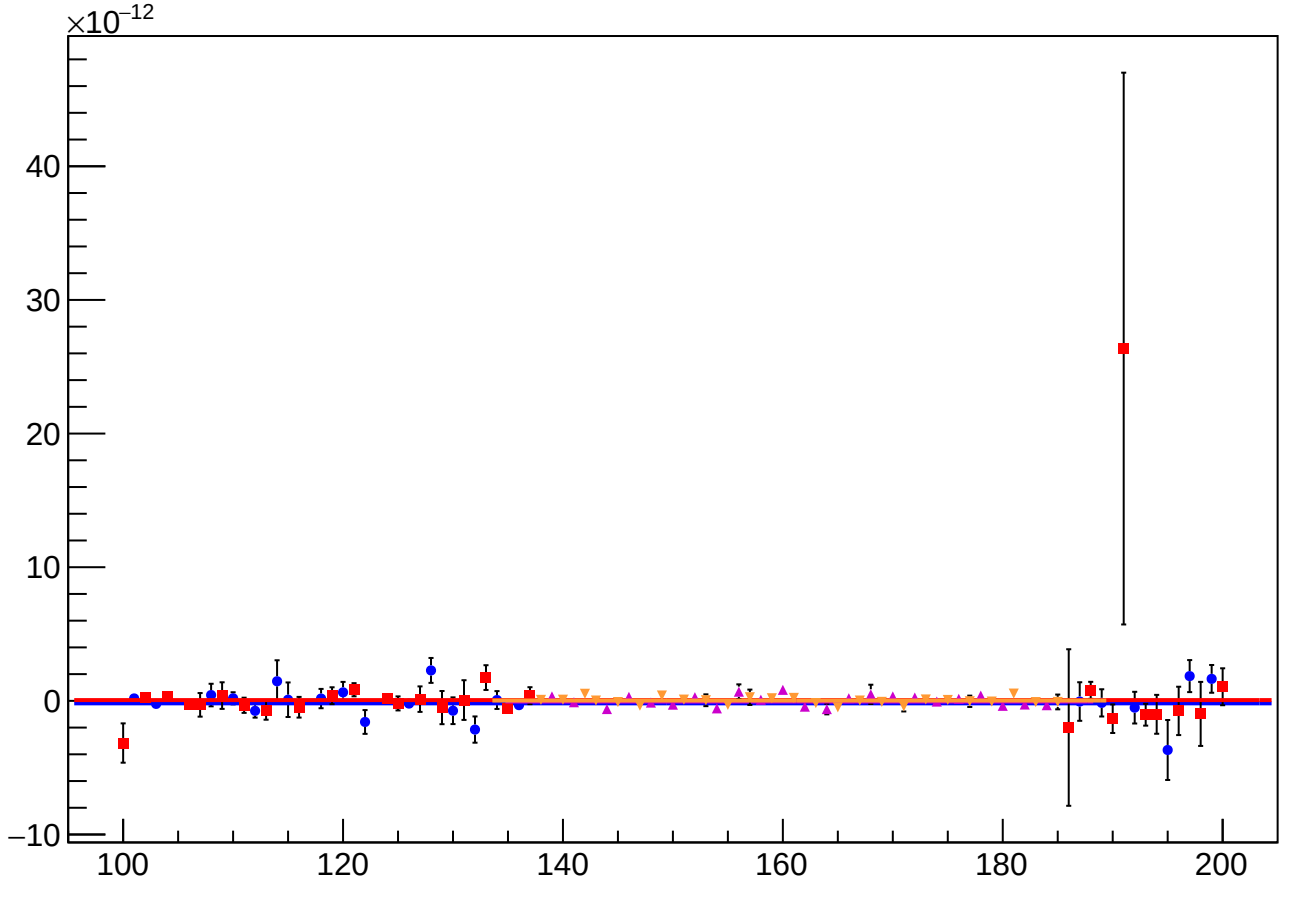
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7098.460+/-1.042 χ^2/NDF: 3424675.3/49

In: 8236.687+/-1.106 χ^2/NDF:3944287.2/44

Out: 8085.895+/-1.039 χ^2/NDF:4657841.8/52

All: 8156.547+/-0.757 χ^2/NDF: 8612000.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

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

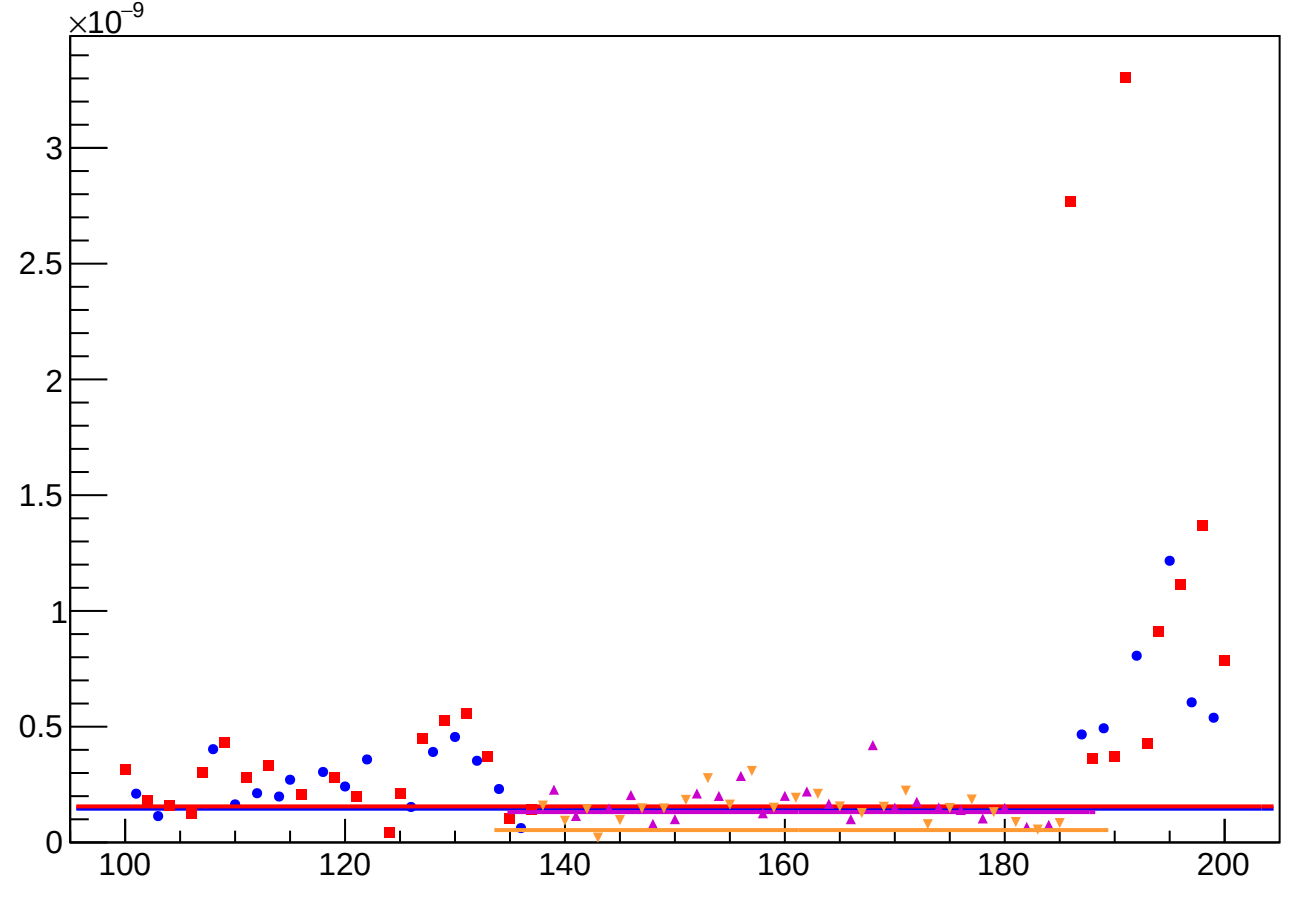
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 61.8/49

In: -0.000+/-0.000 χ^2/NDF:67.9/44

Out: 0.000+/-0.000 χ^2/NDF:46.9/52

All: -0.000+/-0.000 χ^2/NDF: 118.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 3770611.4/21

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

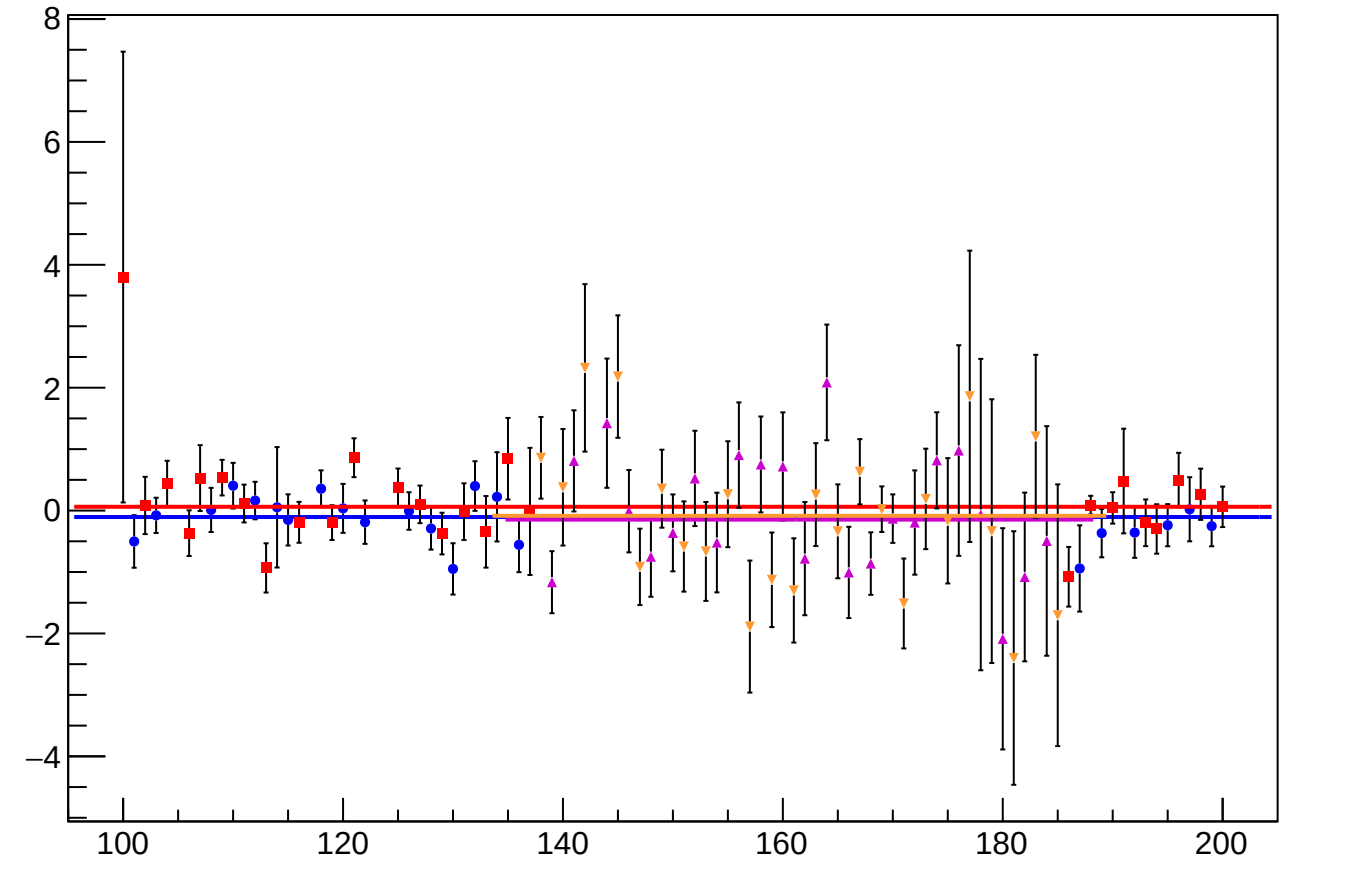
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9180179.6/49

In: 0.000+/-0.000 χ^2/NDF:5712120.5/44

Out: 0.000+/-0.000 χ^2/NDF:14834837.1/52

All: 0.000+/-0.000 χ^2/NDF: 23968810.8/97



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

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

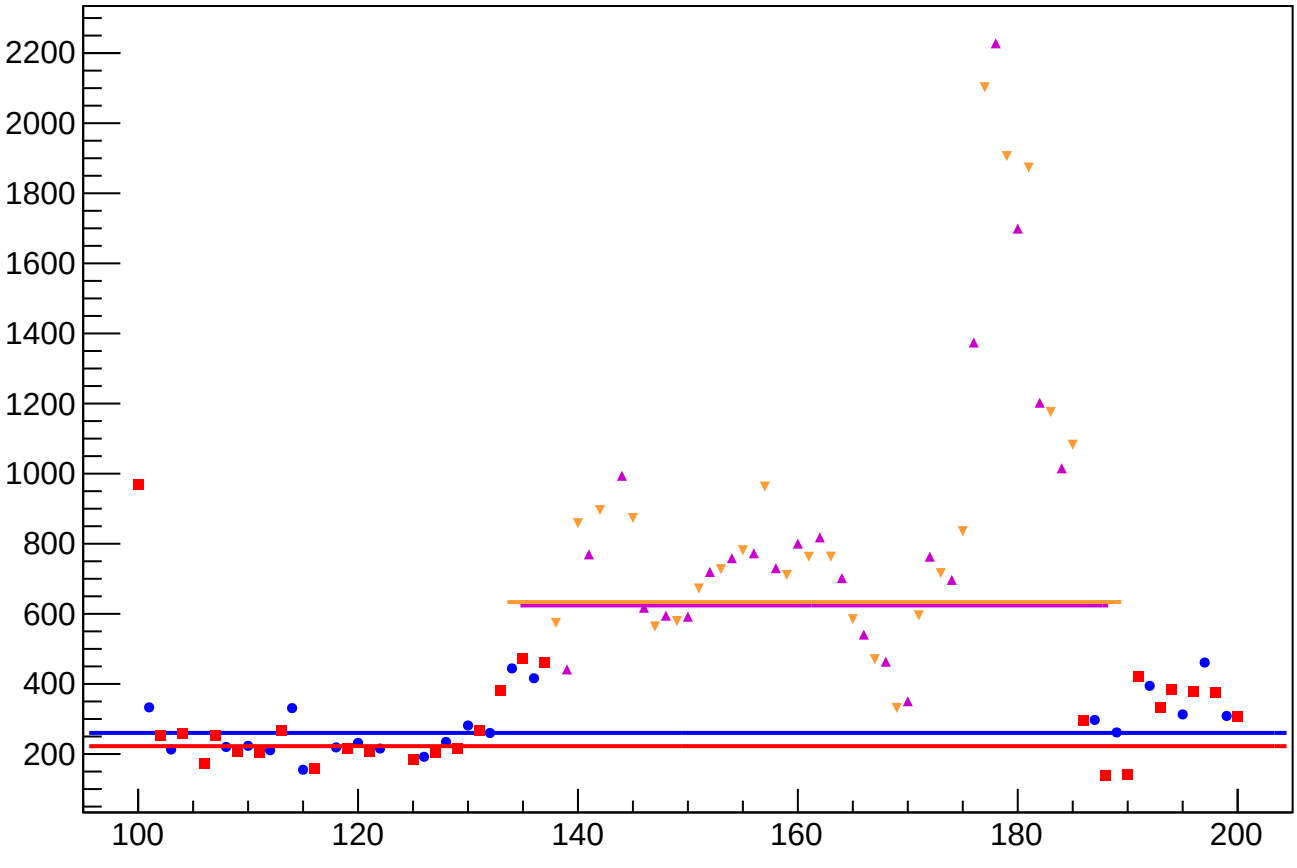
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.006+/-0.052 χ^2/NDF: 52.3/48

In: -0.114+/-0.073 χ^2/NDF:42.7/44

Out: 0.040+/-0.062 χ^2/NDF:64.6/50

All: -0.025+/-0.047 χ^2/NDF: 109.9/95



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

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

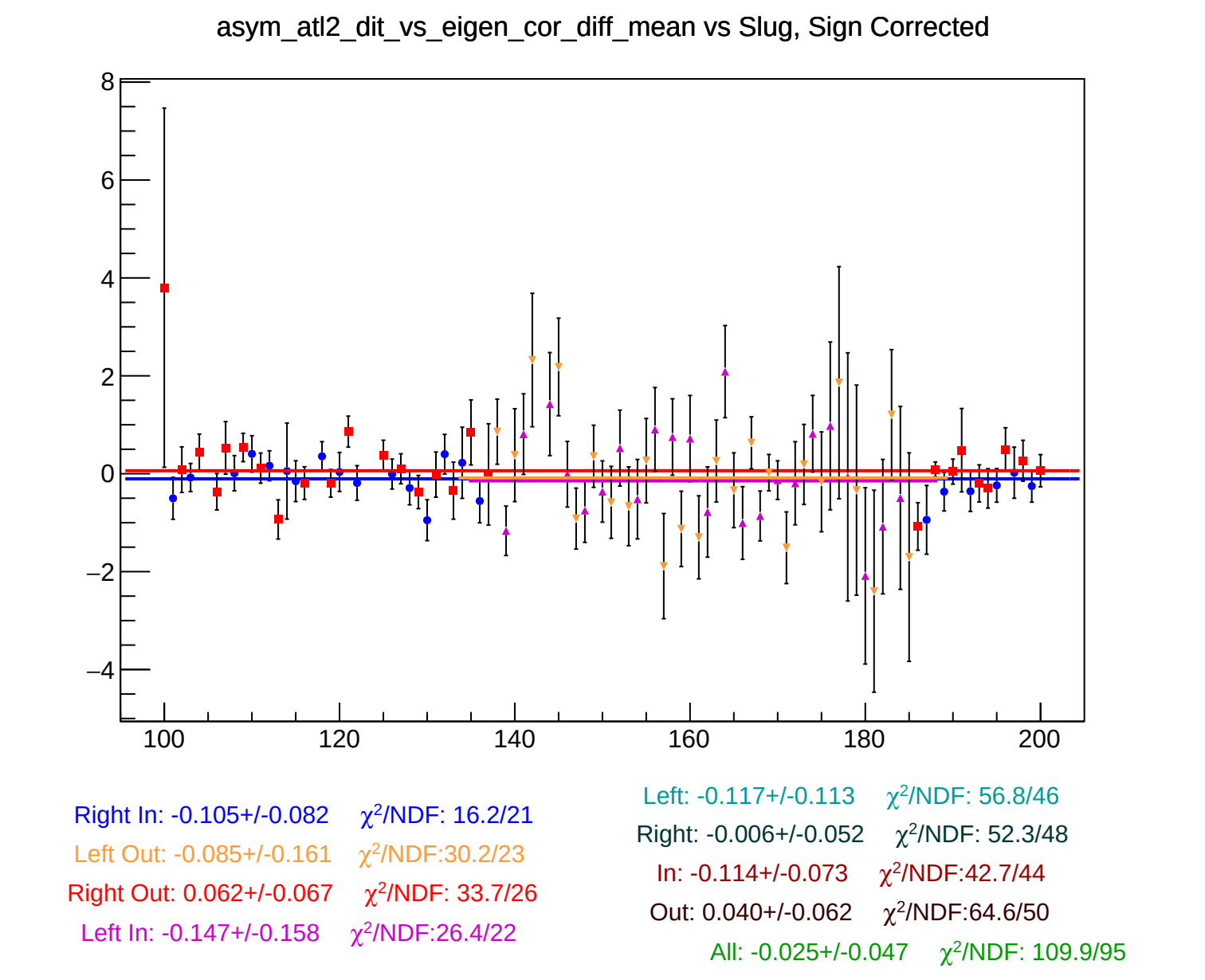
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 237.731+/-0.037 χ^2/NDF: 4750040.3/48

In: 336.943+/-0.051 χ^2/NDF:14403115.8/44

Out: 283.346+/-0.044 χ^2/NDF:19021523.6/50

All: 305.982+/-0.033 χ^2/NDF: 34053515.6/95


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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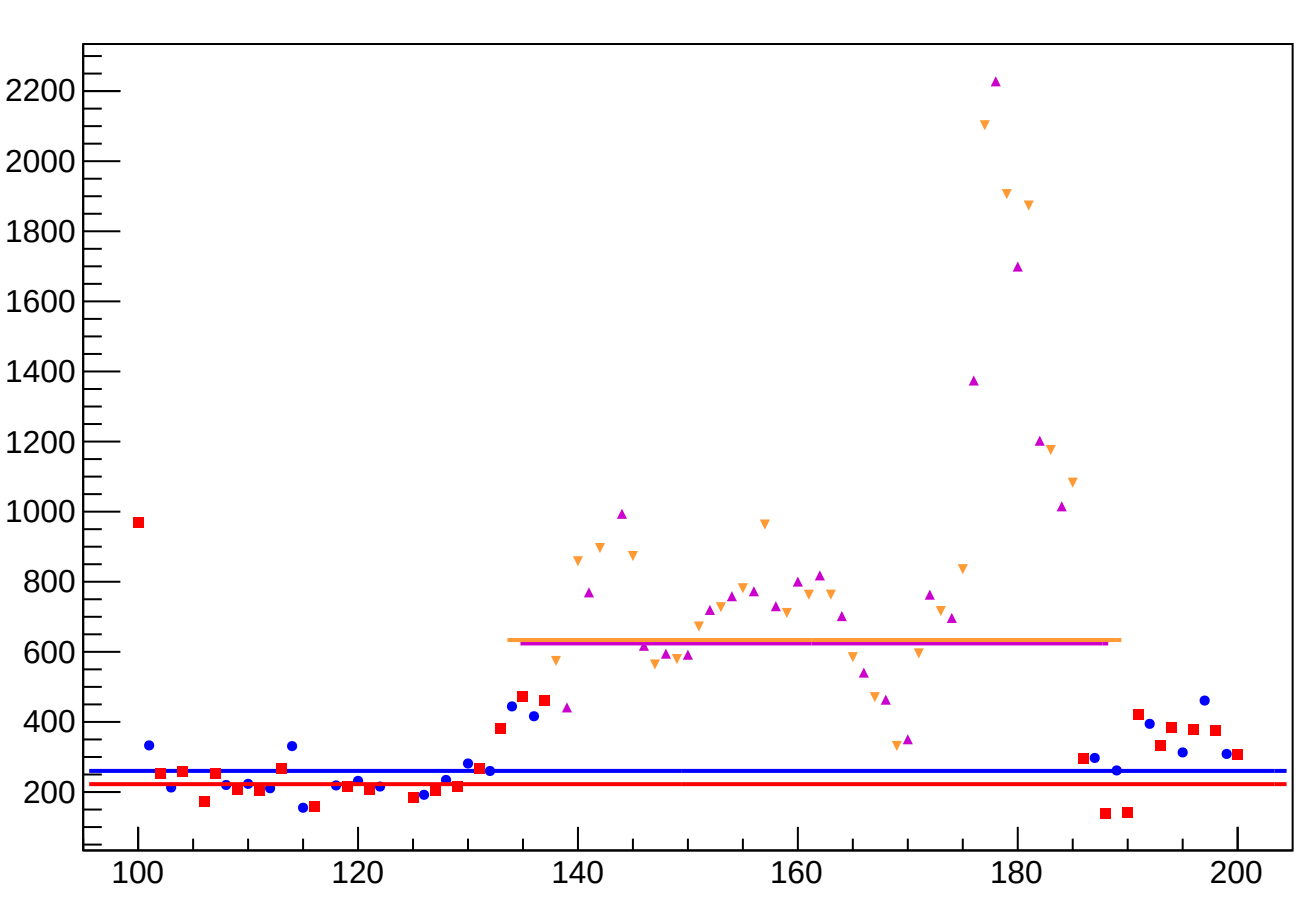
180
200
Right In: -0.105+/-0.082 χ²/NDF: 16.2/21
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.067 χ²/NDF: 33.7/26
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.006+/-0.052 χ²/NDF: 52.3/48
In: -0.114+/-0.073 χ²/NDF:42.7/44
Out: 0.040+/-0.062 χ²/NDF:64.6/50
All: -0.025+/-0.047 χ²/NDF: 109.9/95



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

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

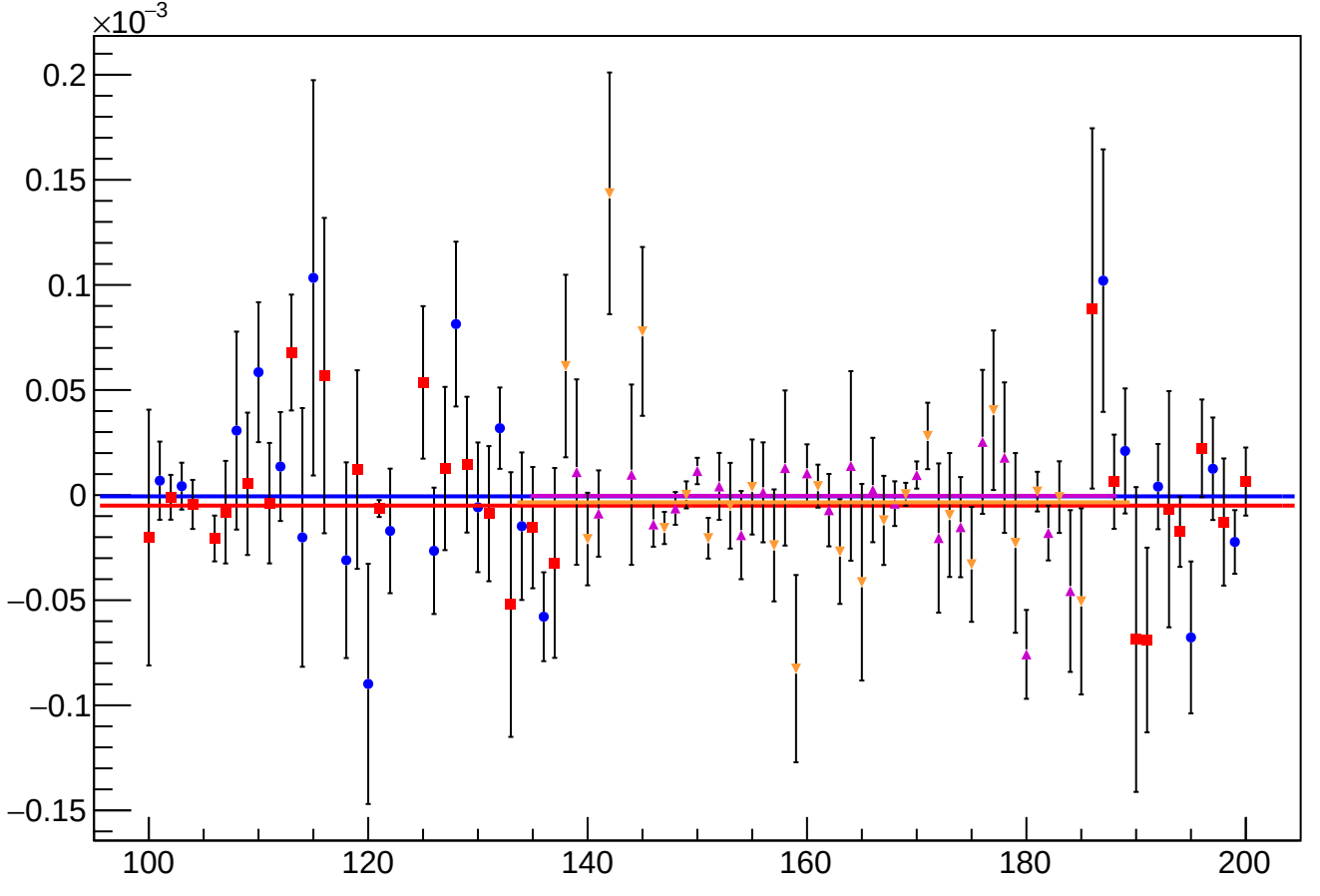
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 237.731+/-0.037 χ^2/NDF: 4750040.3/48

In: 336.943+/-0.051 χ^2/NDF:14403115.8/44

Out: 283.346+/-0.044 χ^2/NDF:19021523.6/50

All: 305.982+/-0.033 χ^2/NDF: 34053515.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/21

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

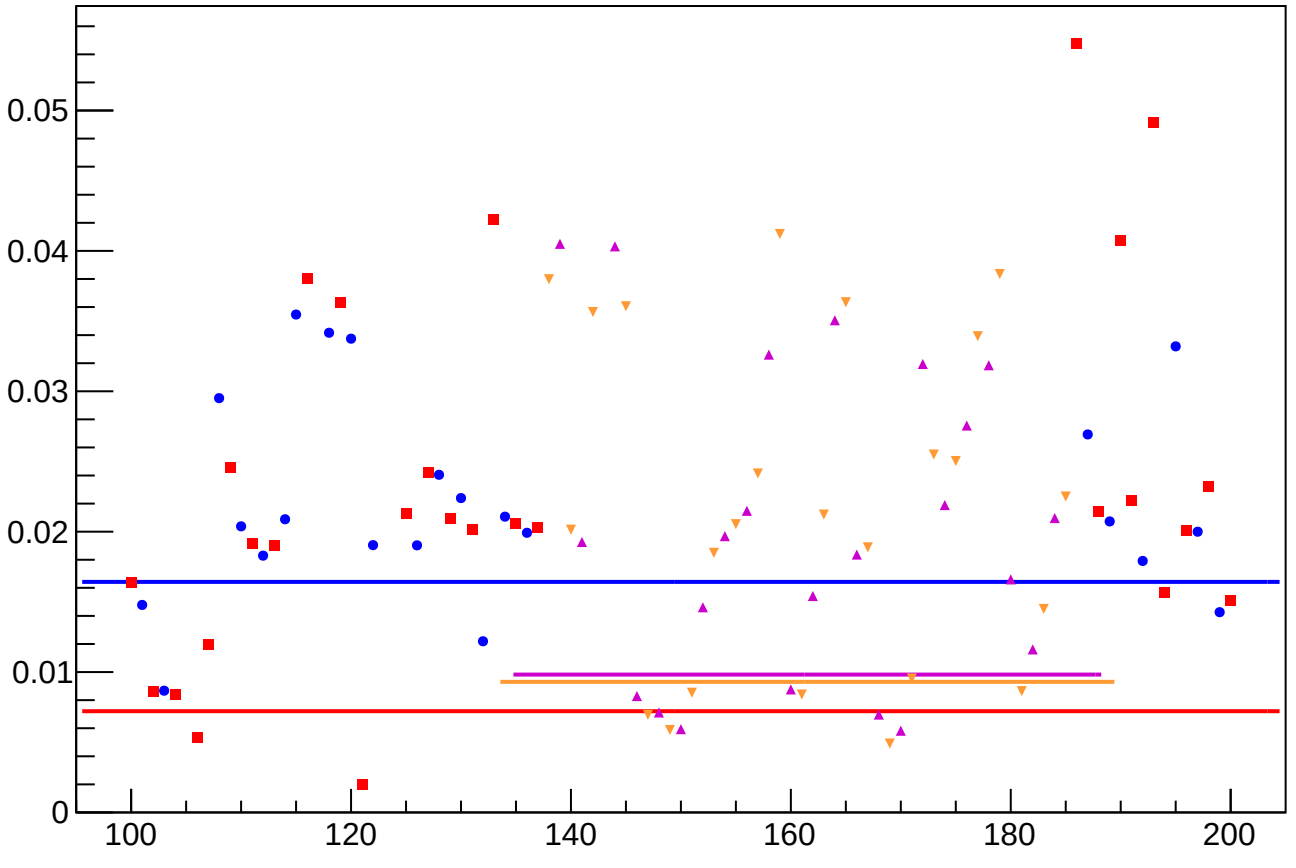
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.2/48

In: -0.000+/-0.000 χ^2/NDF:61.2/44

Out: -0.000+/-0.000 χ^2/NDF:55.8/50

All: -0.000+/-0.000 χ^2/NDF: 118.3/95



Right In: 0.016+/-0.000 χ^2/NDF: 2733057.6/21

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

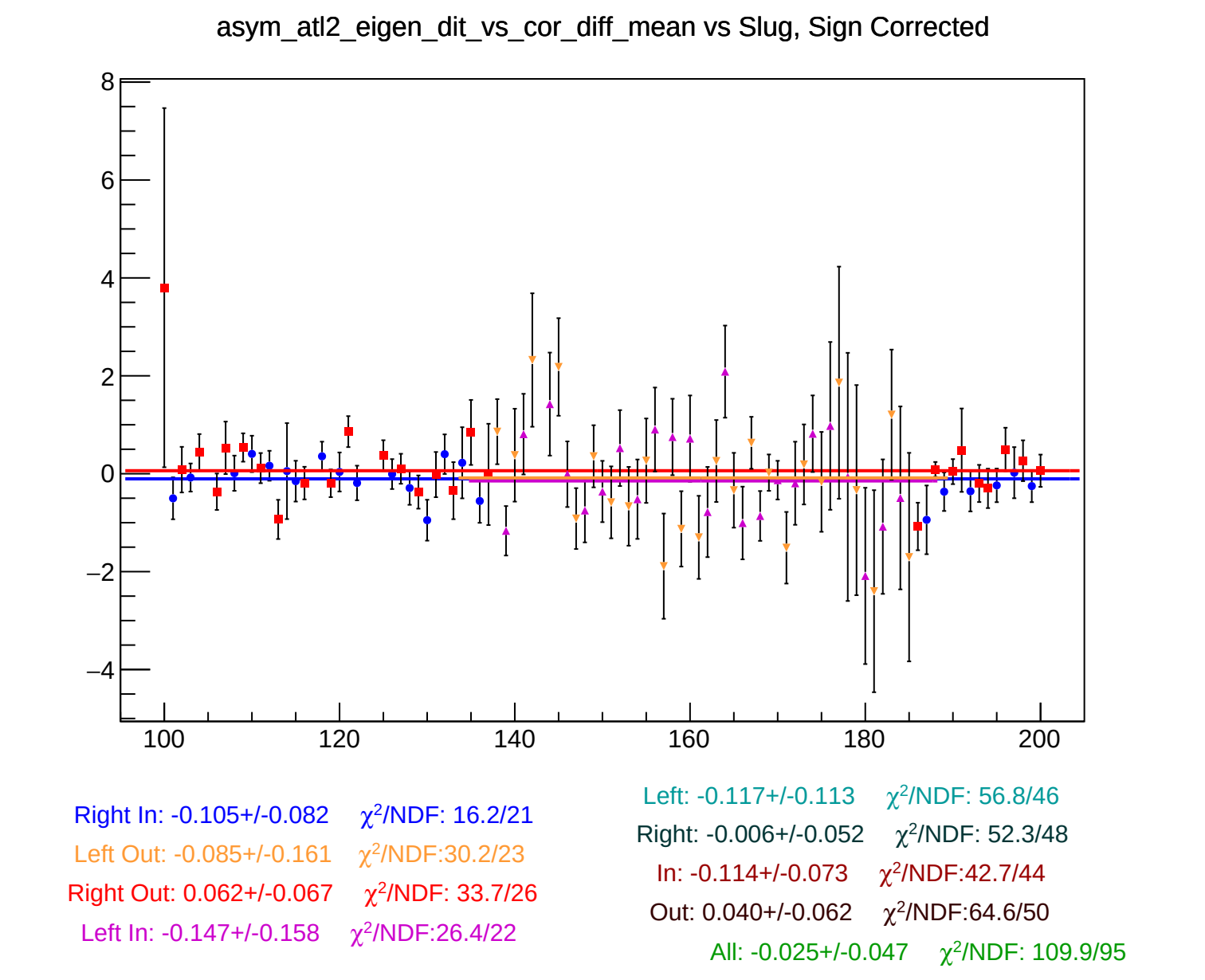
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 21135653.4/48

In: 0.011+/-0.000 χ^2/NDF:15411600.2/44

Out: 0.008+/-0.000 χ^2/NDF:26615244.5/50

All: 0.010+/-0.000 χ^2/NDF: 43703612.1/95


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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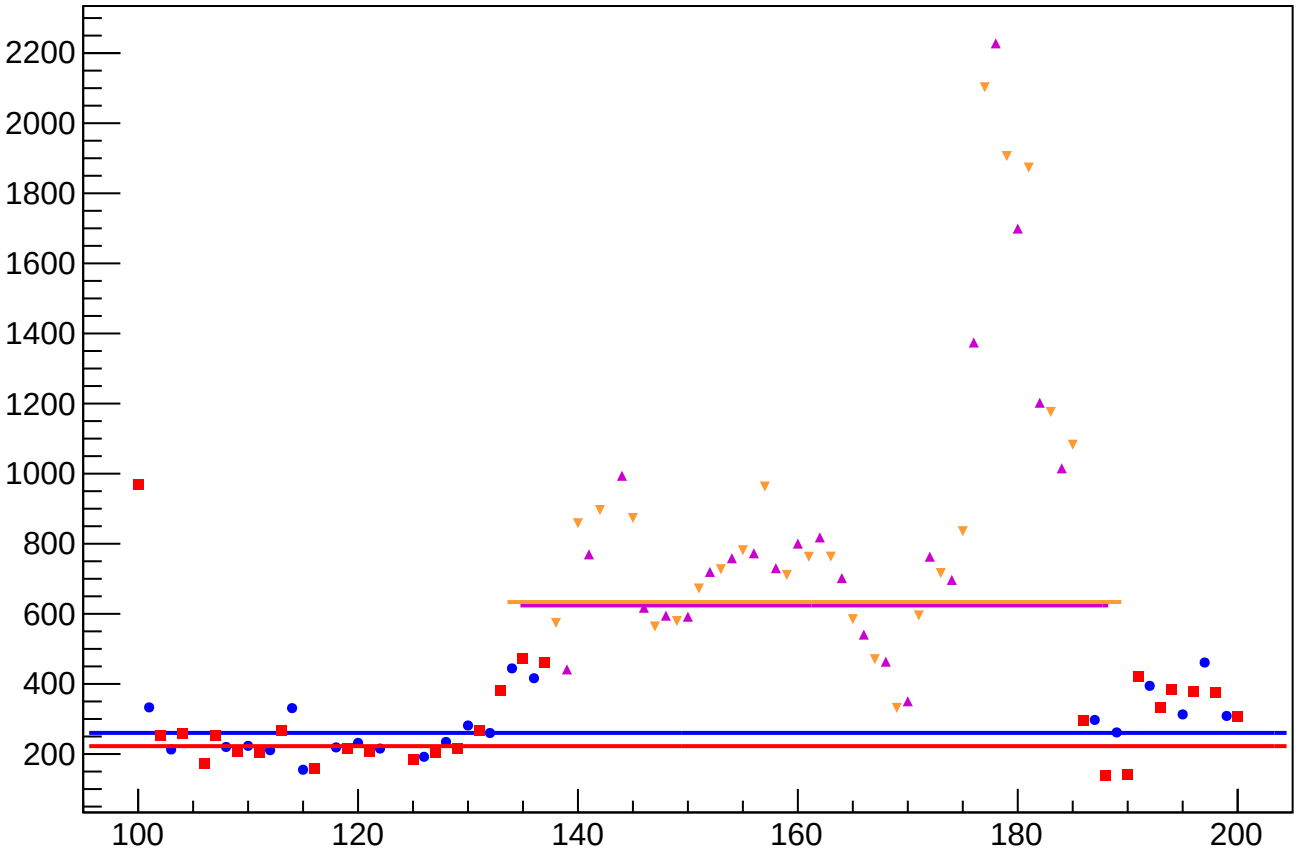
Right In: -0.105+/-0.082 χ²/NDF: 16.2/21
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.067 χ²/NDF: 33.7/26
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.006+/-0.052 χ²/NDF: 52.3/48
In: -0.114+/-0.073 χ²/NDF:42.7/44
Out: 0.040+/-0.062 χ²/NDF:64.6/50
All: -0.025+/-0.047 χ²/NDF: 109.9/95



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 222.461+/-0.048 χ^2/NDF: 2971656.6/26

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

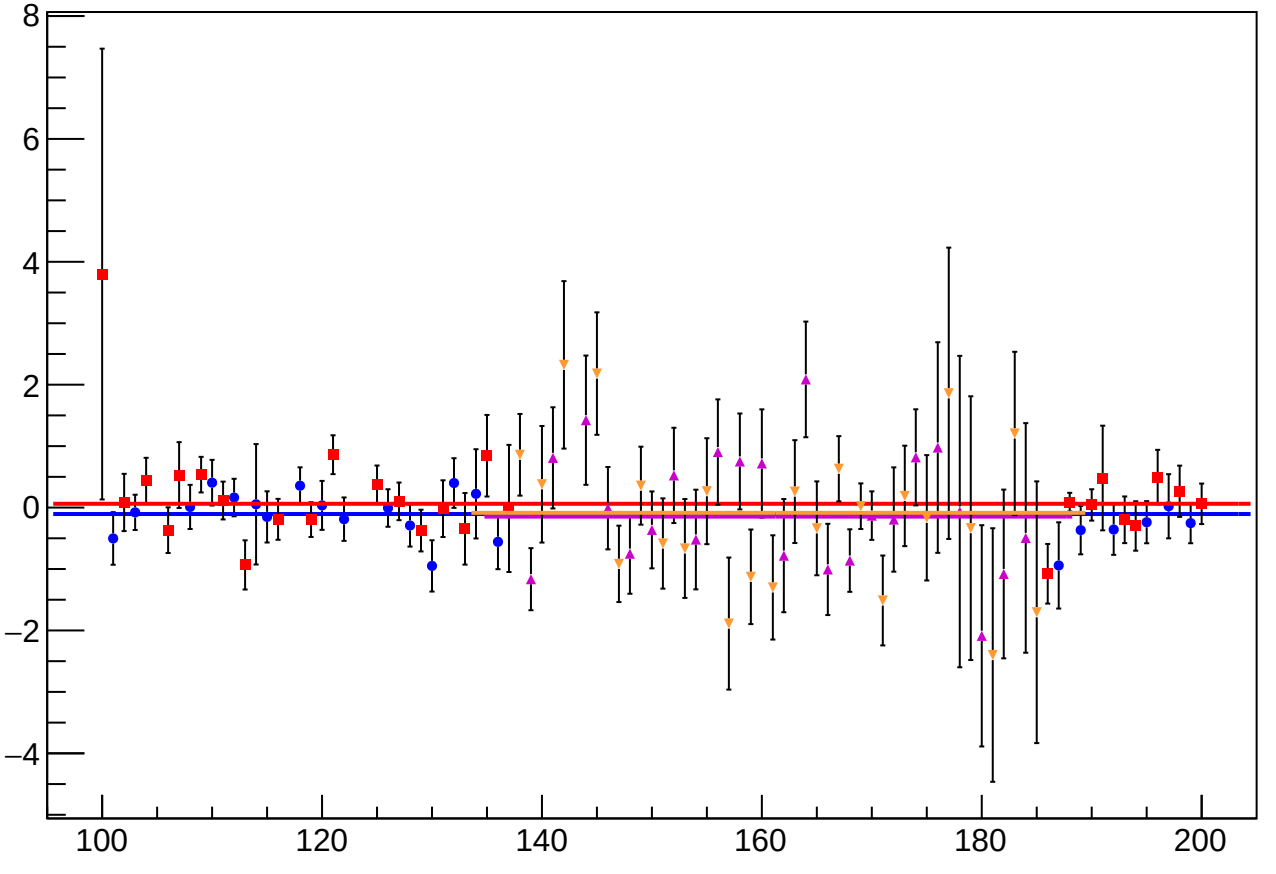
Right: 237.729+/-0.037 χ^2/NDF: 4750155.8/48

In: 336.944+/-0.051 χ^2/NDF:14403167.0/44

Out: 283.343+/-0.044 χ^2/NDF:19021929.0/50

All: 305.980+/-0.033 χ^2/NDF: 34054067.9/95

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

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

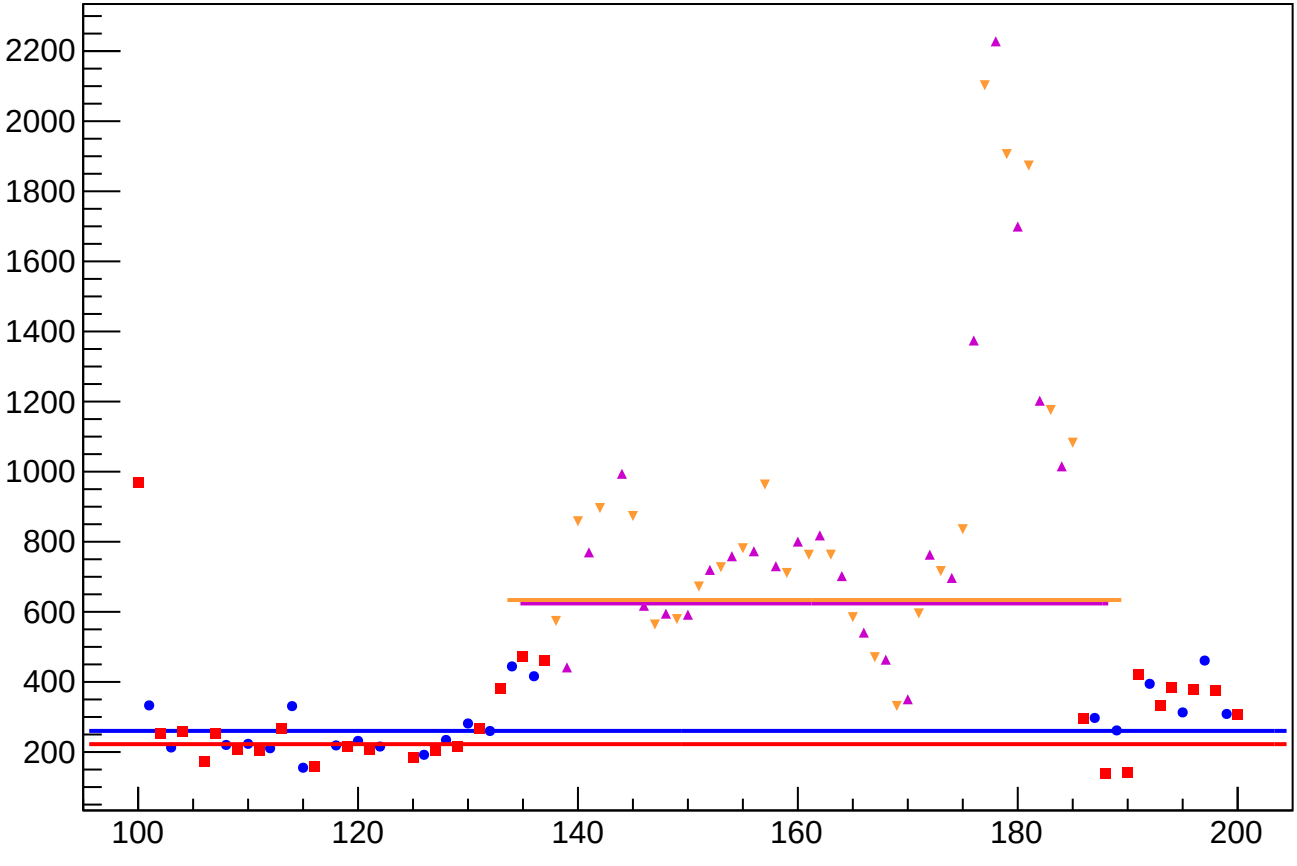
Right: -0.006+/-0.052 χ^2/NDF: 52.3/48

In: -0.114+/-0.073 χ^2/NDF:42.7/44

Out: 0.040+/-0.062 χ^2/NDF:64.6/50

All: -0.025+/-0.047 χ^2/NDF: 109.9/95

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 222.461+/-0.048 χ^2/NDF: 2971656.6/26

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

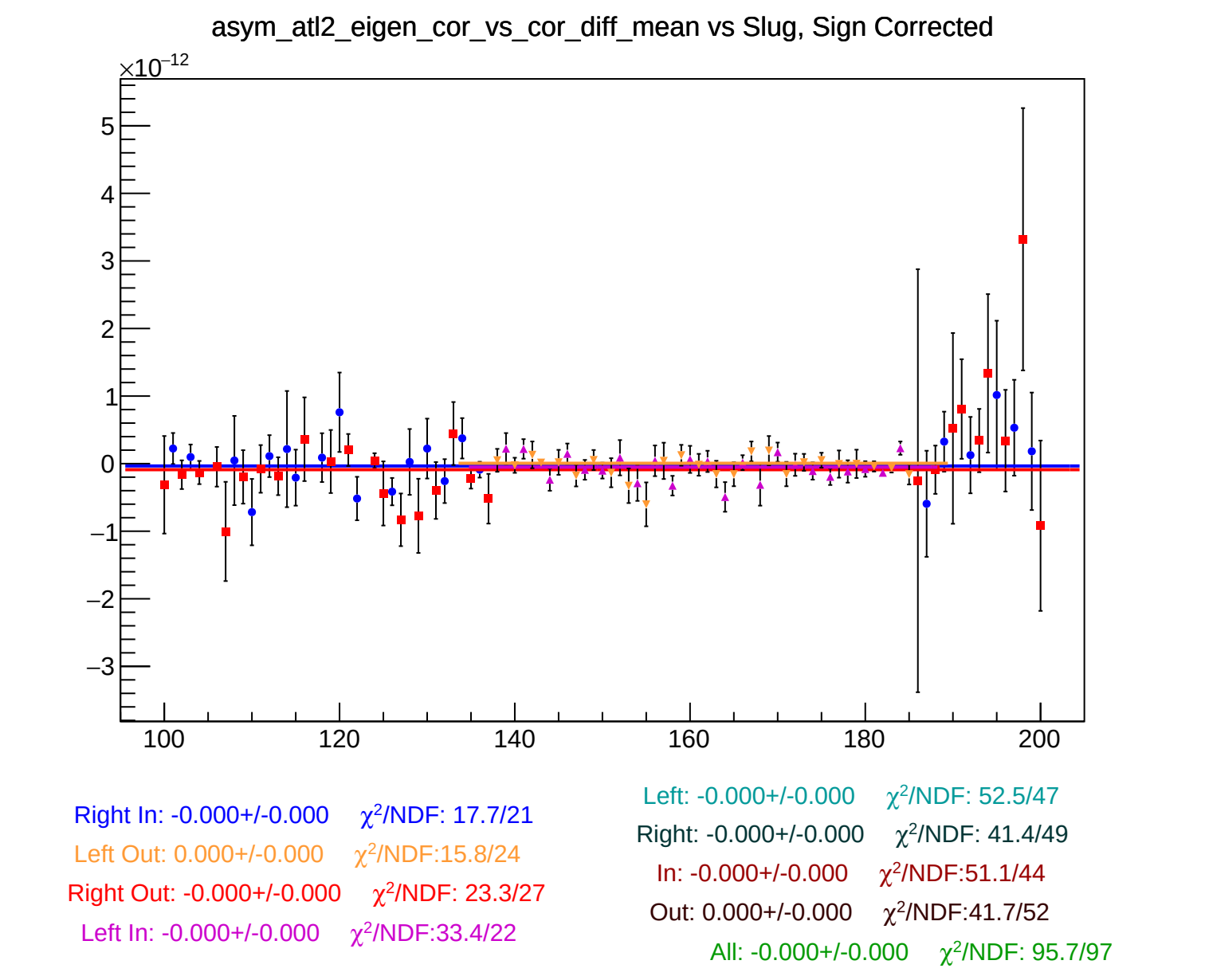
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 237.729+/-0.037 χ^2/NDF: 4750155.8/48

In: 336.944+/-0.051 χ^2/NDF:14403167.0/44

Out: 283.343+/-0.044 χ^2/NDF:19021929.0/50

All: 305.980+/-0.033 χ^2/NDF: 34054067.9/95


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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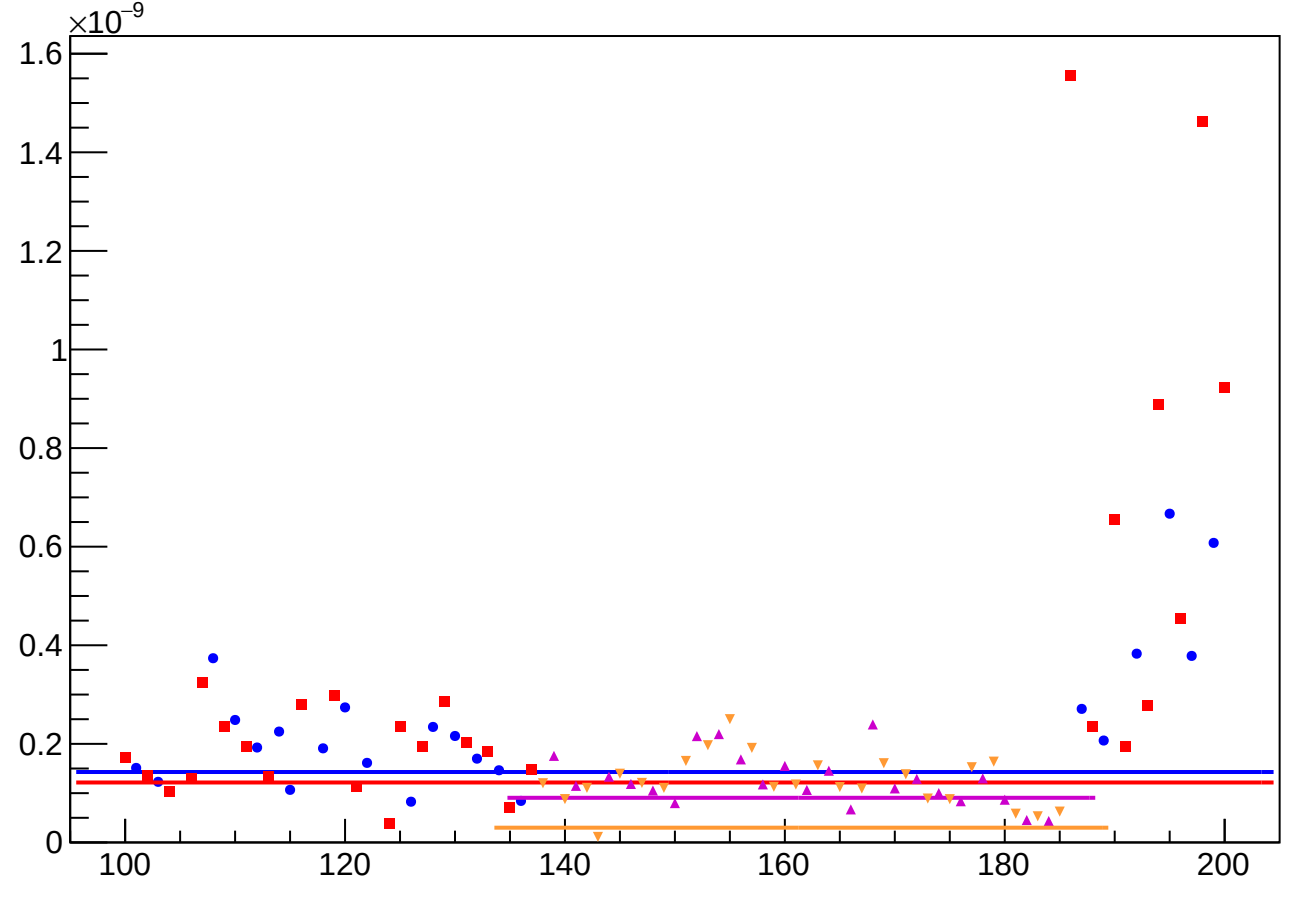
Right In: -0.000+/-0.000 χ²/NDF: 17.7/21
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/27
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 41.4/49
In: -0.000+/-0.000 χ²/NDF:51.1/44
Out: 0.000+/-0.000 χ²/NDF:41.7/52
All: -0.000+/-0.000 χ²/NDF: 95.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 3107496.7/21

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

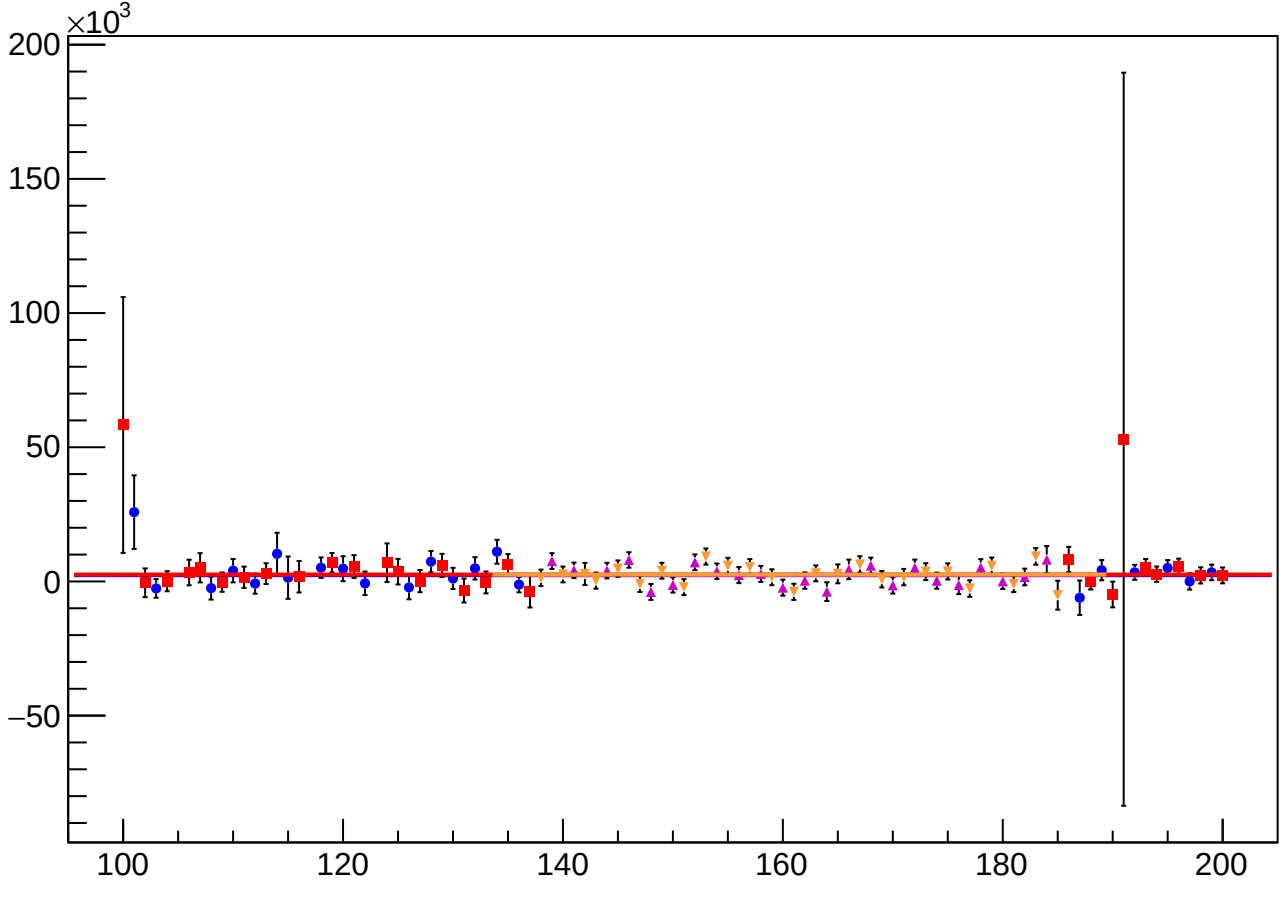
Right: 0.000+/-0.000 χ^2/NDF: 10165684.8/49

In: 0.000+/-0.000 χ^2/NDF:8904971.5/44

Out: 0.000+/-0.000 χ^2/NDF:29058583.0/52

All: 0.000+/-0.000 χ^2/NDF: 47696236.3/97

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2327.950+/-834.541 χ^2/NDF: 21.5/21

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

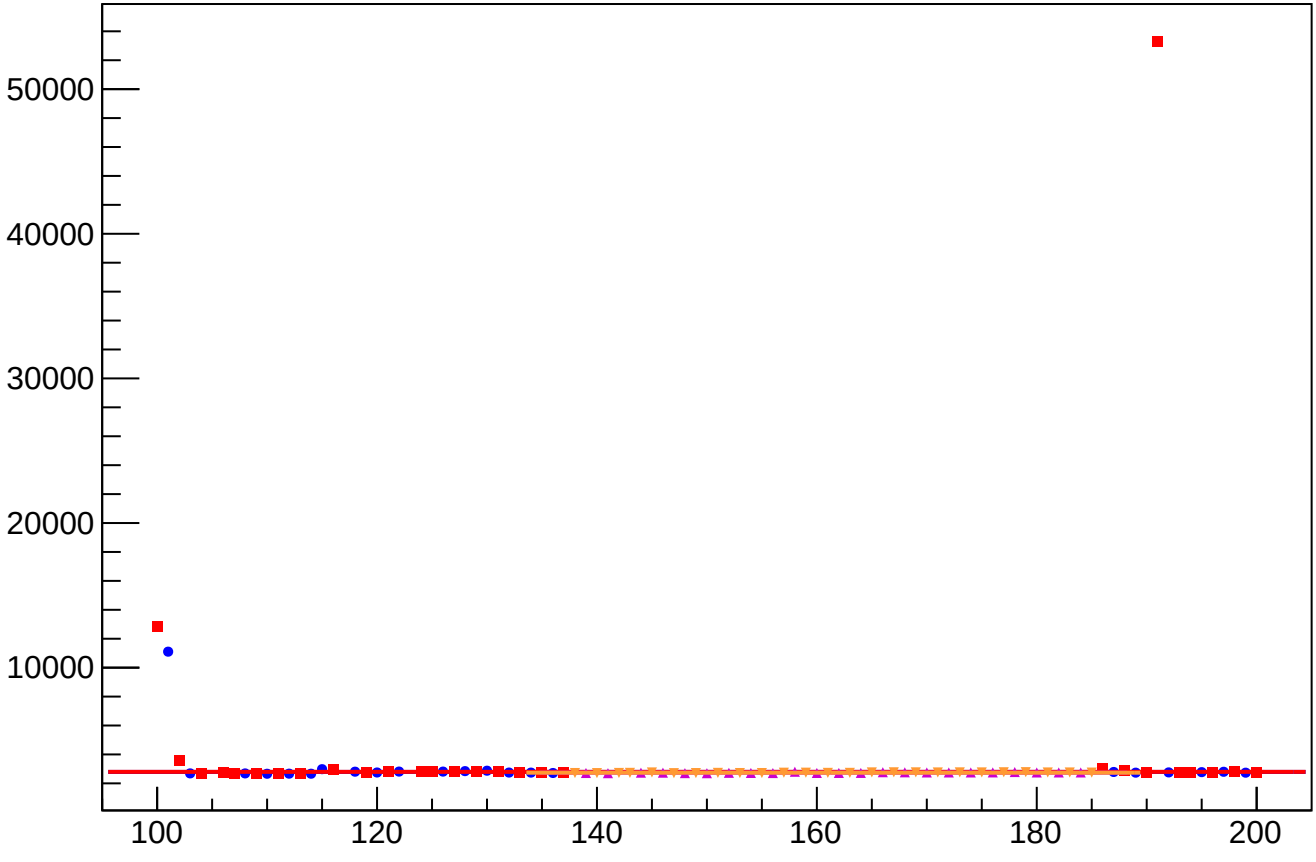
Right: 2460.760+/-565.562 χ^2/NDF: 38.7/49

In: 2378.573+/-507.717 χ^2/NDF:52.8/44

Out: 2563.442+/-483.555 χ^2/NDF:48.7/52

All: 2475.511+/-350.155 χ^2/NDF: 101.6/97

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747983.1/21

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

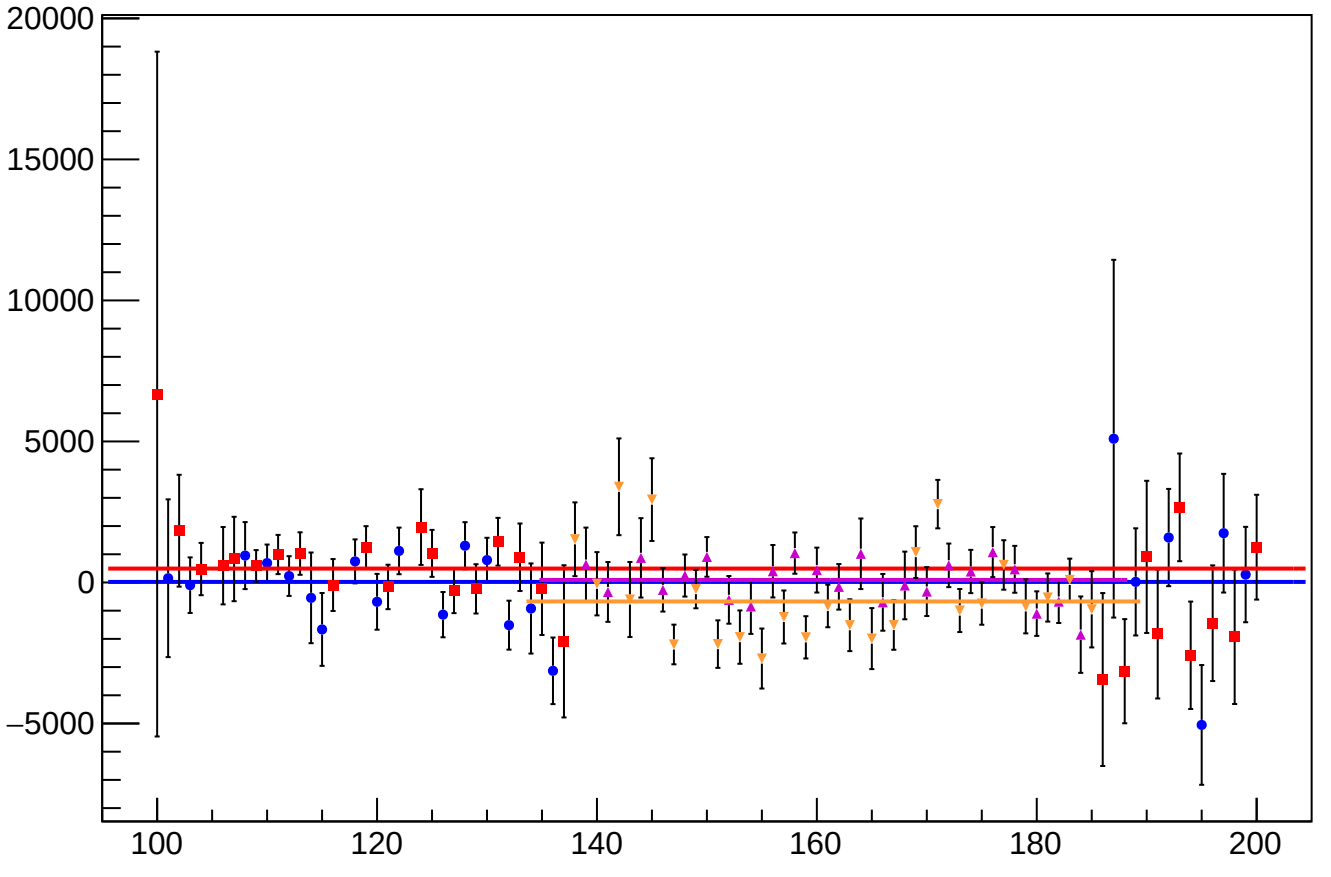
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2792.762+/-0.400 χ^2/NDF: 1226918.7/49

In: 2758.197+/-0.359 χ^2/NDF:755783.3/44

Out: 2760.485+/-0.342 χ^2/NDF:488094.9/52

All: 2759.397+/-0.248 χ^2/NDF: 1243899.4/97



Right In: 19.634+/-224.849 χ^2/NDF: 30.6/21

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

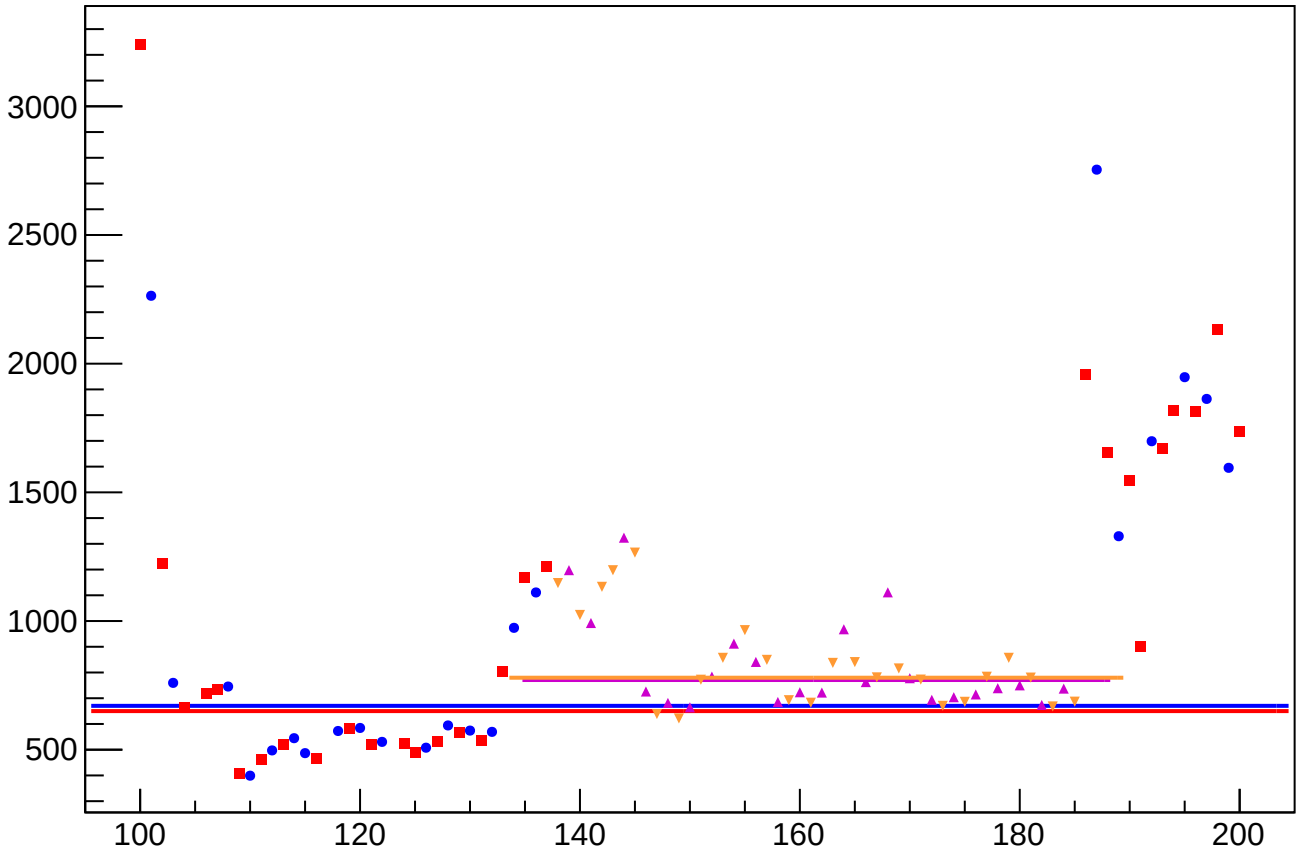
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 276.240+/-152.135 χ^2/NDF: 55.2/49

In: 61.583+/-142.162 χ^2/NDF:45.5/44

Out: -166.408+/-136.244 χ^2/NDF:98.6/52

All: -57.257+/-98.365 χ^2/NDF: 145.4/97



Right In: 670.442+/-0.159 χ^2/NDF: 4931481.9/21

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

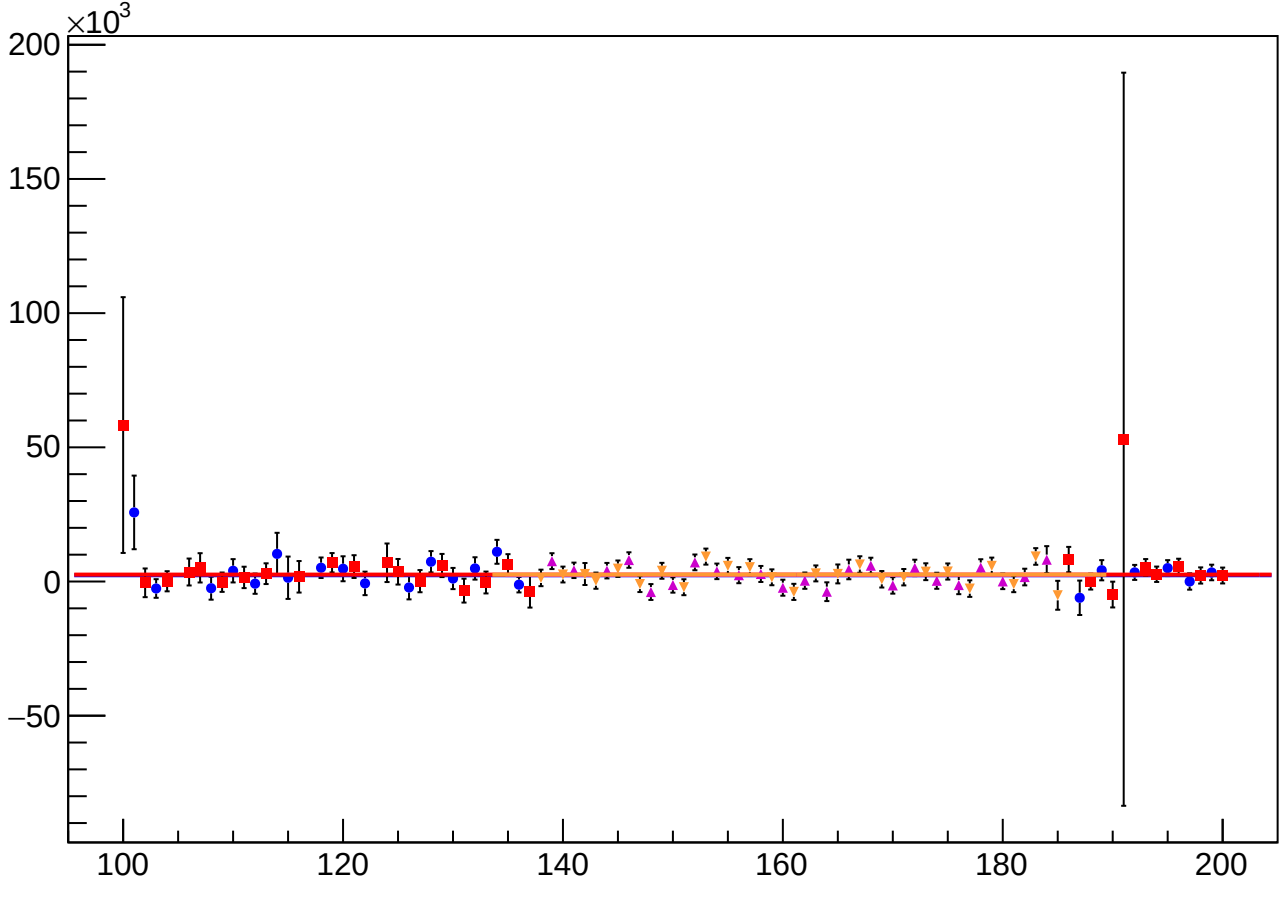
Right: 659.358+/-0.108 χ^2/NDF: 11077613.1/49

In: 730.679+/-0.101 χ^2/NDF:6246970.4/44

Out: 723.309+/-0.096 χ^2/NDF:7826446.3/52

All: 726.838+/-0.070 χ^2/NDF: 14076218.5/97

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

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

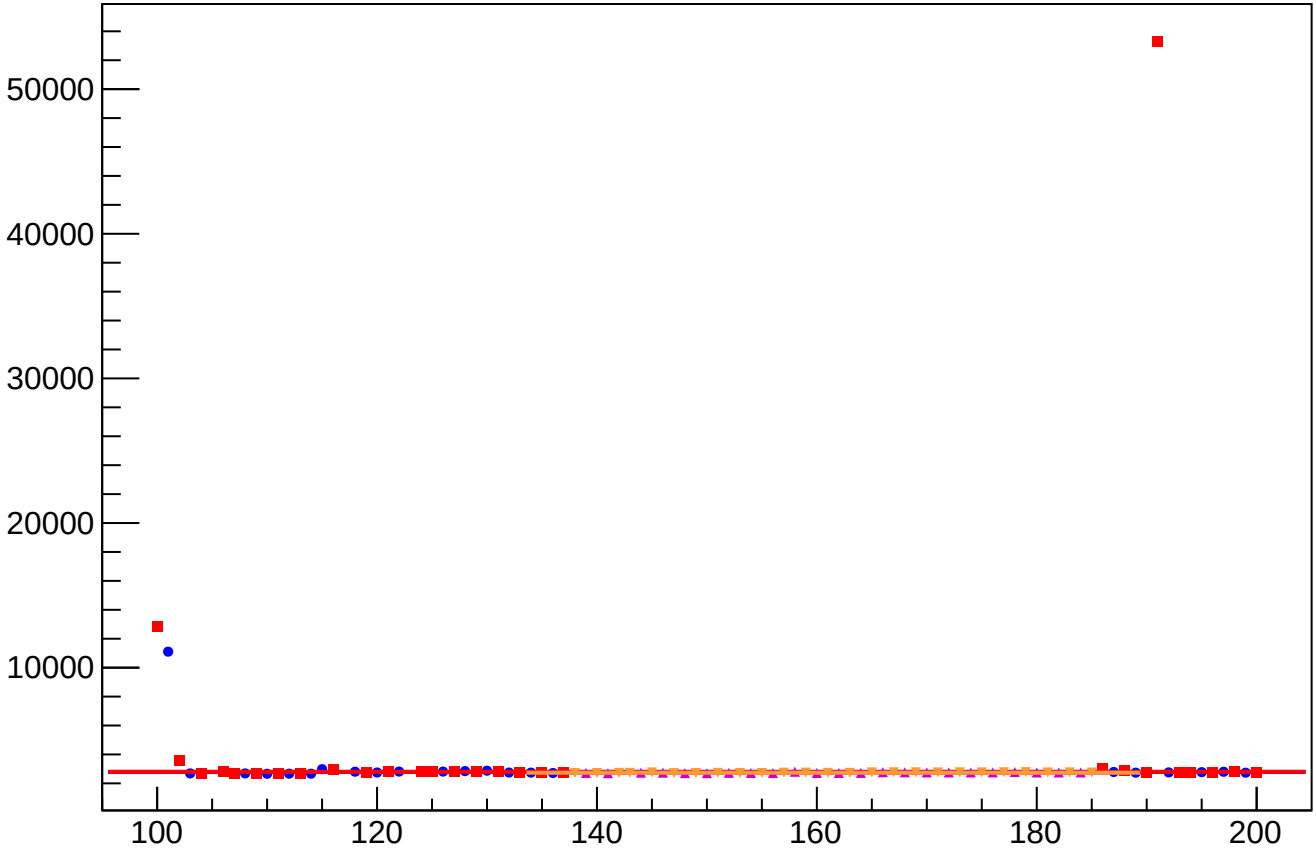
Right: 2462.397+/-565.950 χ^2/NDF: 38.7/49

In: 2378.514+/-507.717 χ^2/NDF:52.8/44

Out: 2564.851+/-483.797 χ^2/NDF:48.7/52

All: 2476.175+/-350.247 χ^2/NDF: 101.6/97

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

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

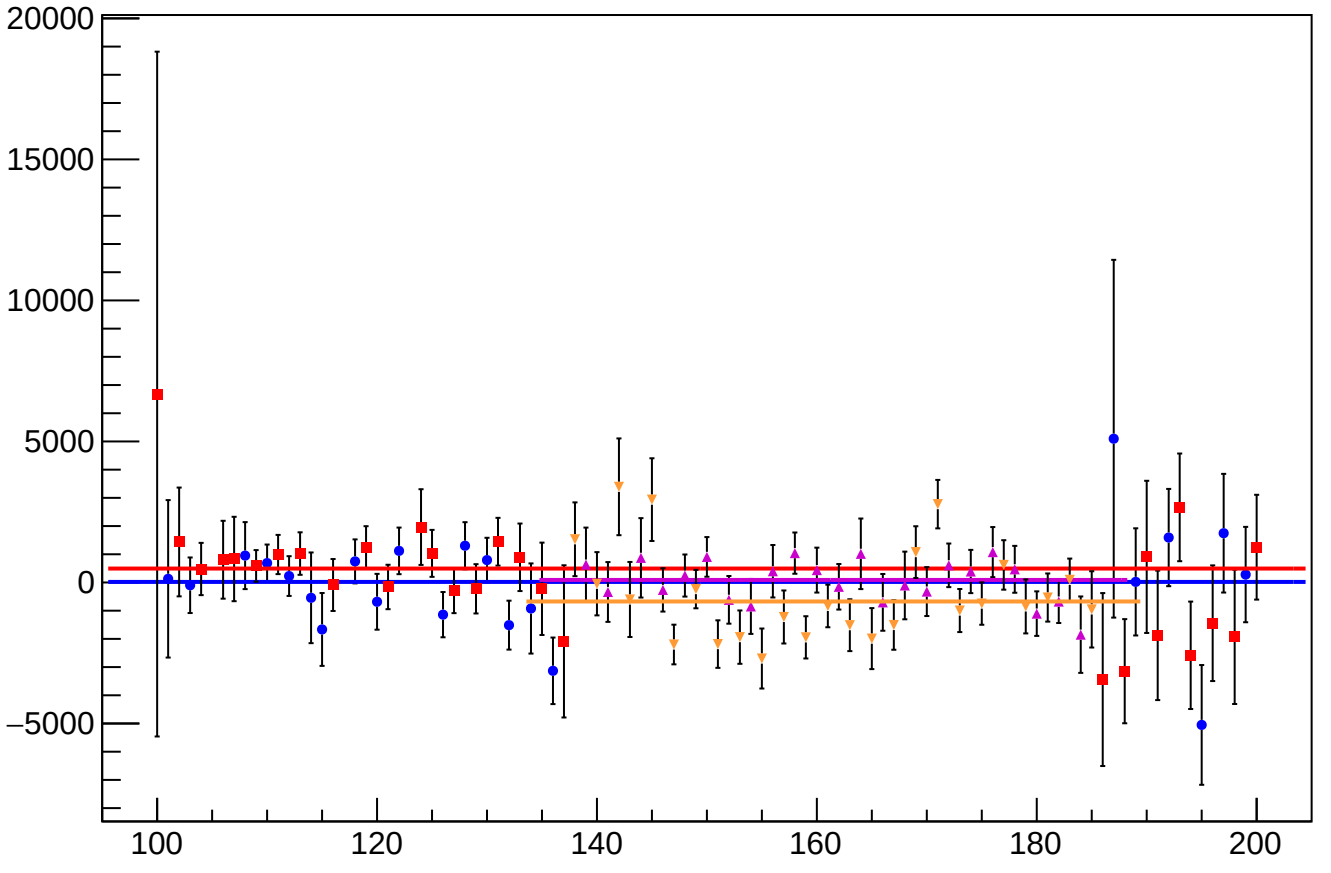
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2794.354+/-0.400 χ^2/NDF: 1226622.6/49

In: 2758.197+/-0.359 χ^2/NDF:755782.4/44

Out: 2761.617+/-0.342 χ^2/NDF:488437.5/52

All: 2759.989+/-0.248 χ^2/NDF: 1244267.4/97



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

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

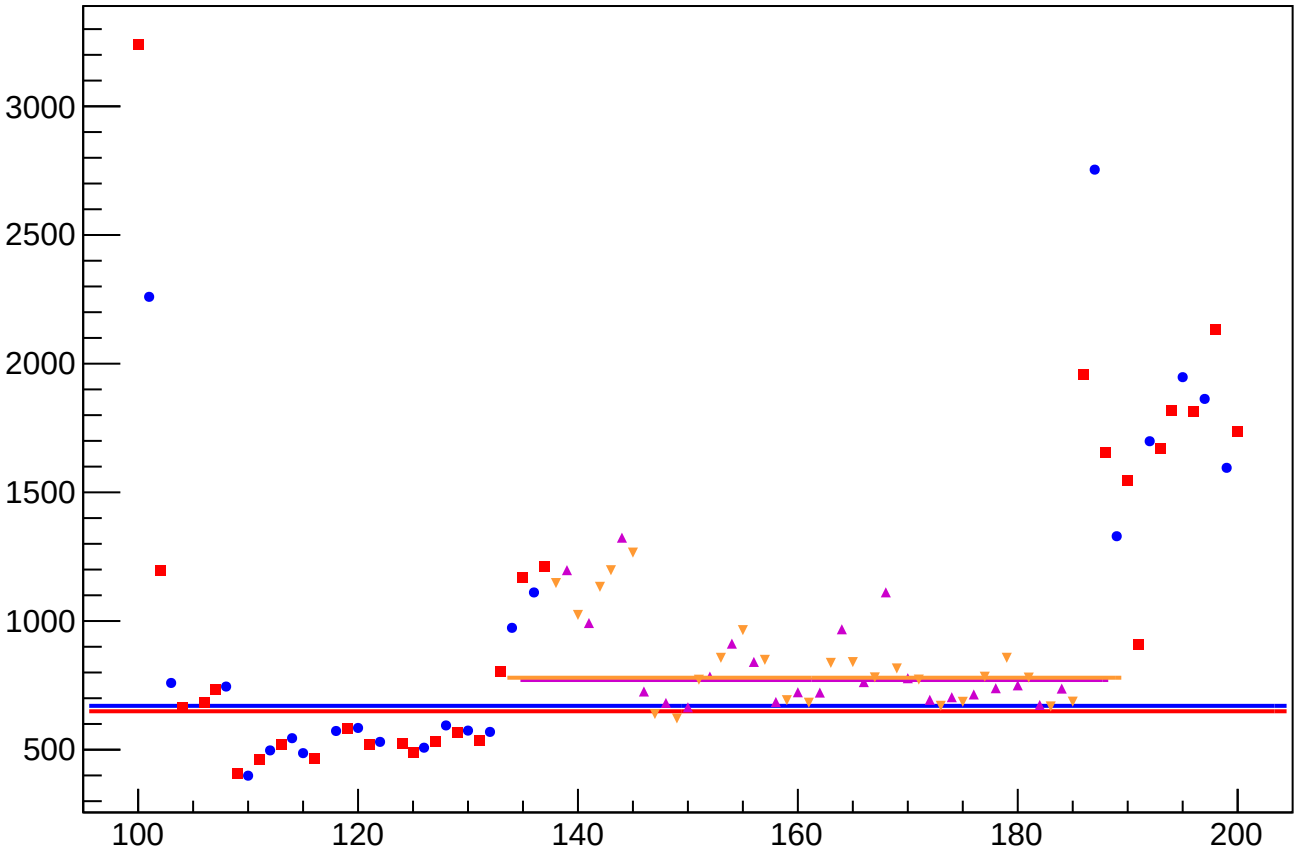
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 276.702+/-152.119 χ^2/NDF: 55.1/49

In: 61.643+/-142.160 χ^2/NDF:45.5/44

Out: -165.907+/-136.234 χ^2/NDF:98.5/52

All: -56.973+/-98.360 χ^2/NDF: 145.3/97



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

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

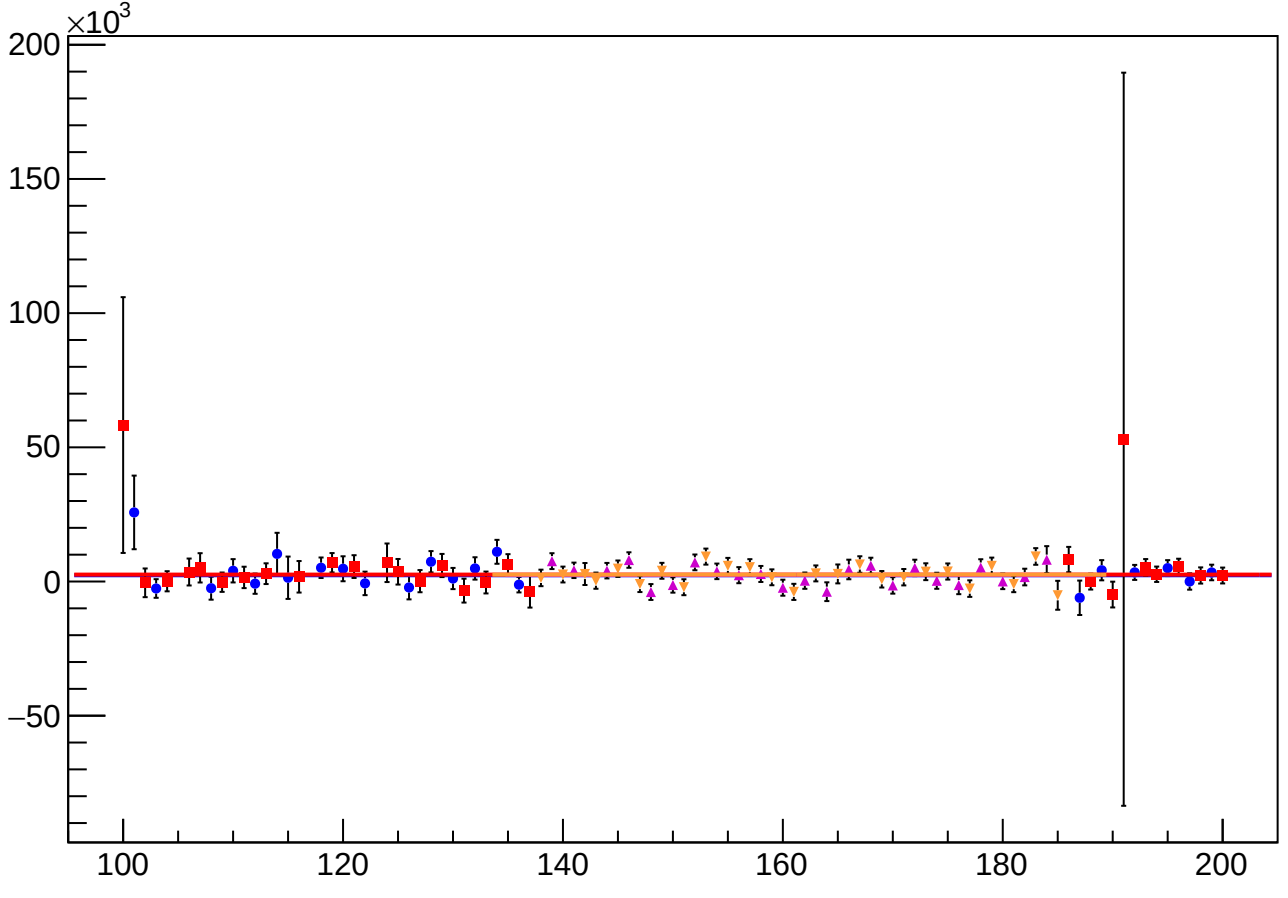
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 658.984+/-0.108 χ^2/NDF: 11069539.6/49

In: 730.676+/-0.101 χ^2/NDF:6246039.0/44

Out: 723.002+/-0.096 χ^2/NDF:7823501.6/52

All: 726.675+/-0.070 χ^2/NDF: 14072578.5/97



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

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

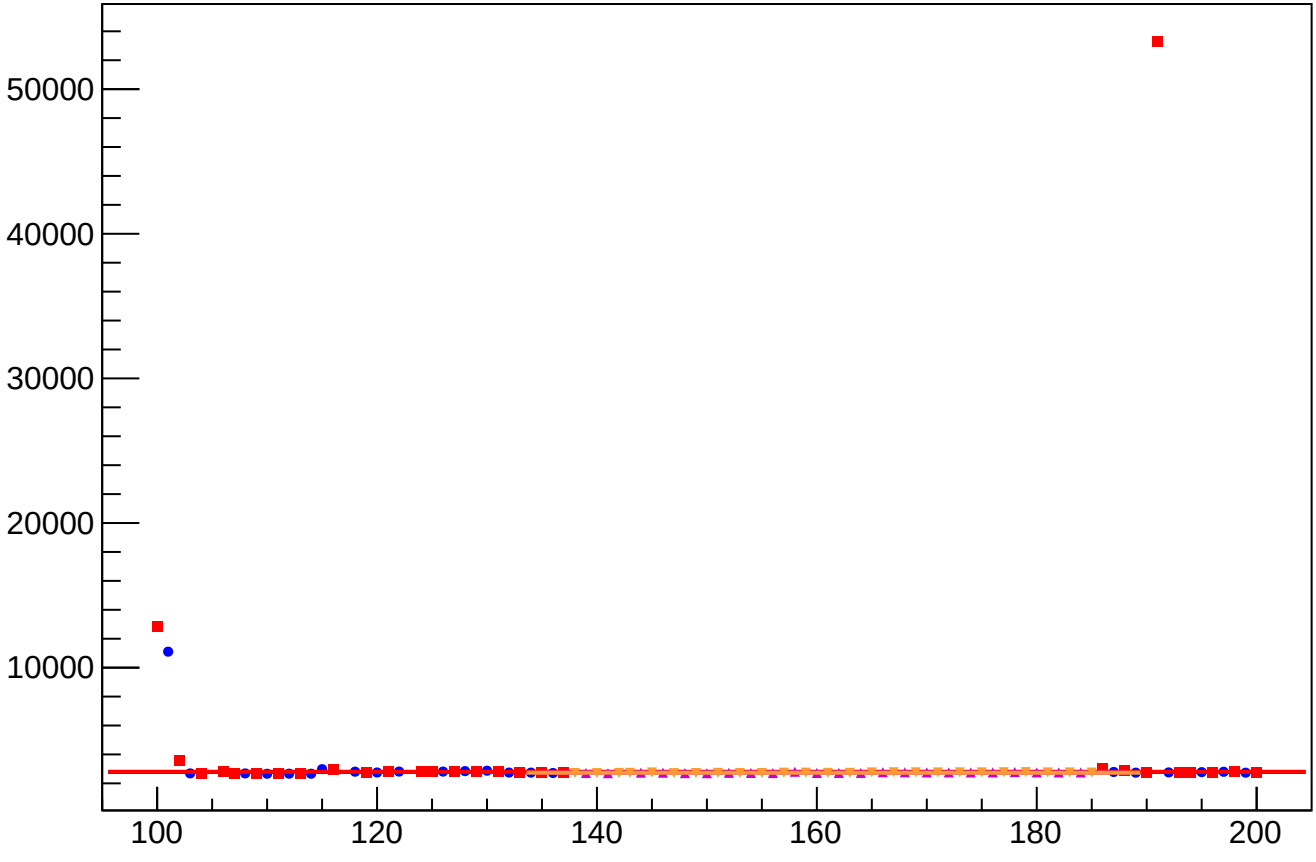
Right: 2462.397+/-565.950 χ^2/NDF: 38.7/49

In: 2378.514+/-507.717 χ^2/NDF:52.8/44

Out: 2564.851+/-483.797 χ^2/NDF:48.7/52

All: 2476.175+/-350.247 χ^2/NDF: 101.6/97

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

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

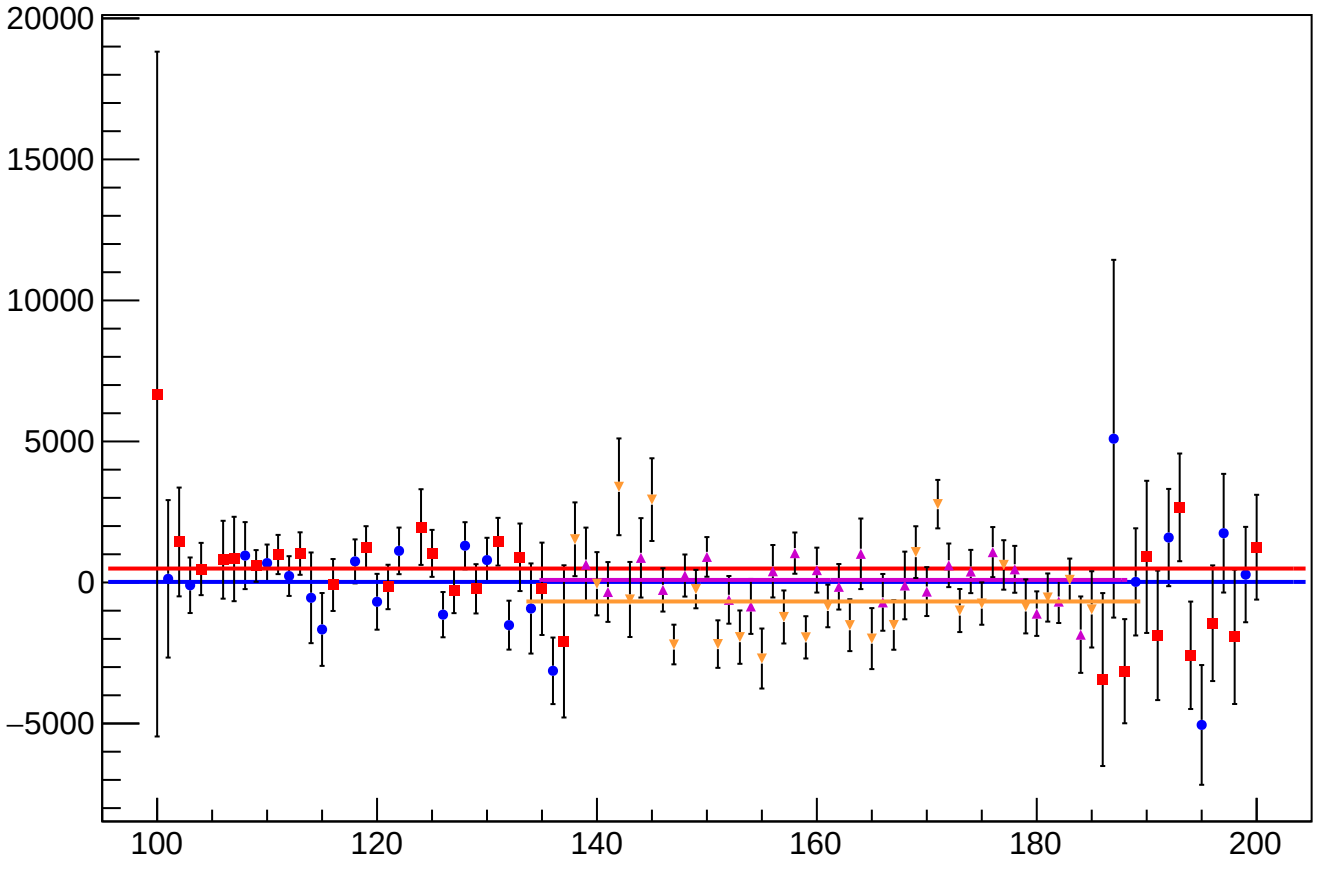
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2794.354+/-0.400 χ^2/NDF: 1226622.6/49

In: 2758.197+/-0.359 χ^2/NDF:755782.4/44

Out: 2761.617+/-0.342 χ^2/NDF:488437.5/52

All: 2759.989+/-0.248 χ^2/NDF: 1244267.4/97



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

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

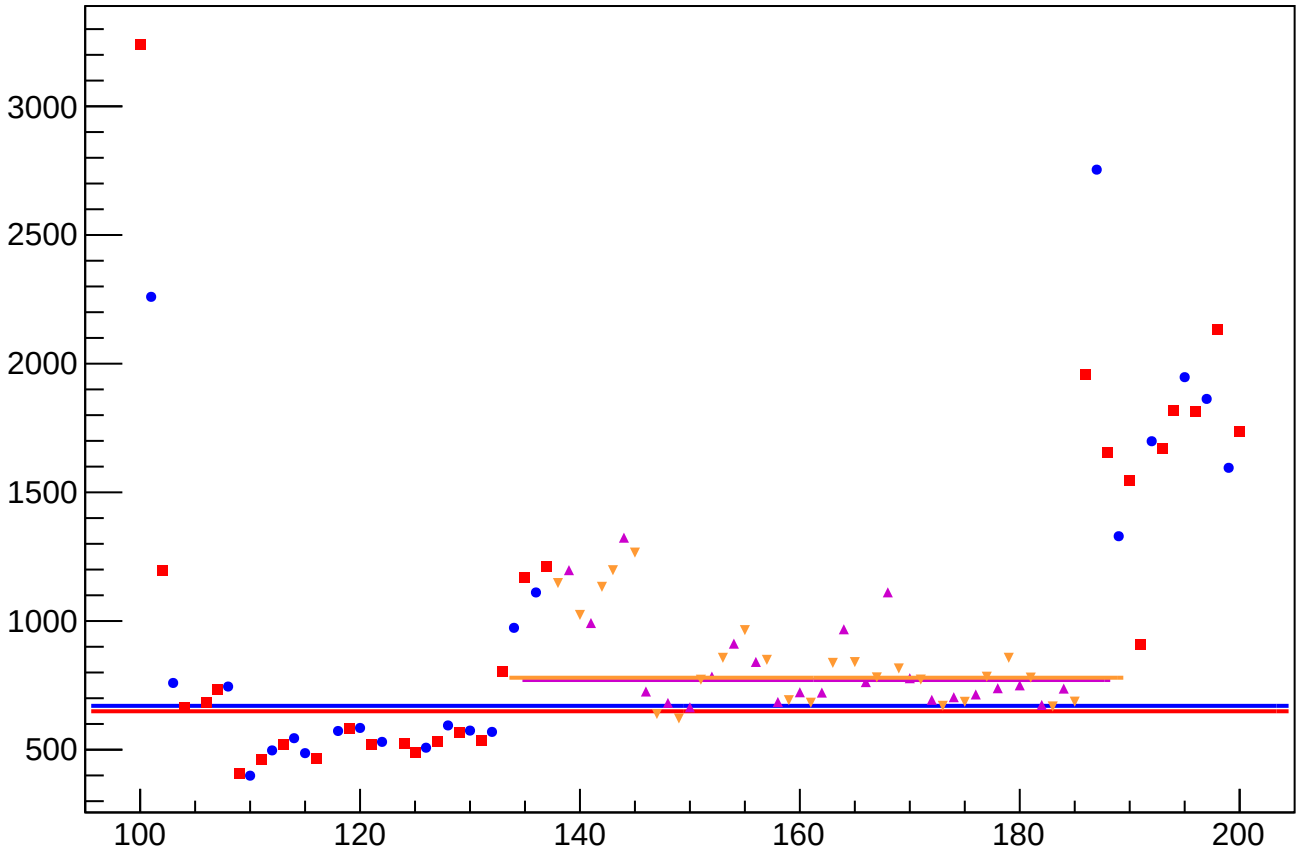
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 276.702+/-152.119 χ^2/NDF: 55.1/49

In: 61.643+/-142.160 χ^2/NDF:45.5/44

Out: -165.907+/-136.234 χ^2/NDF:98.5/52

All: -56.973+/-98.360 χ^2/NDF: 145.3/97



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

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

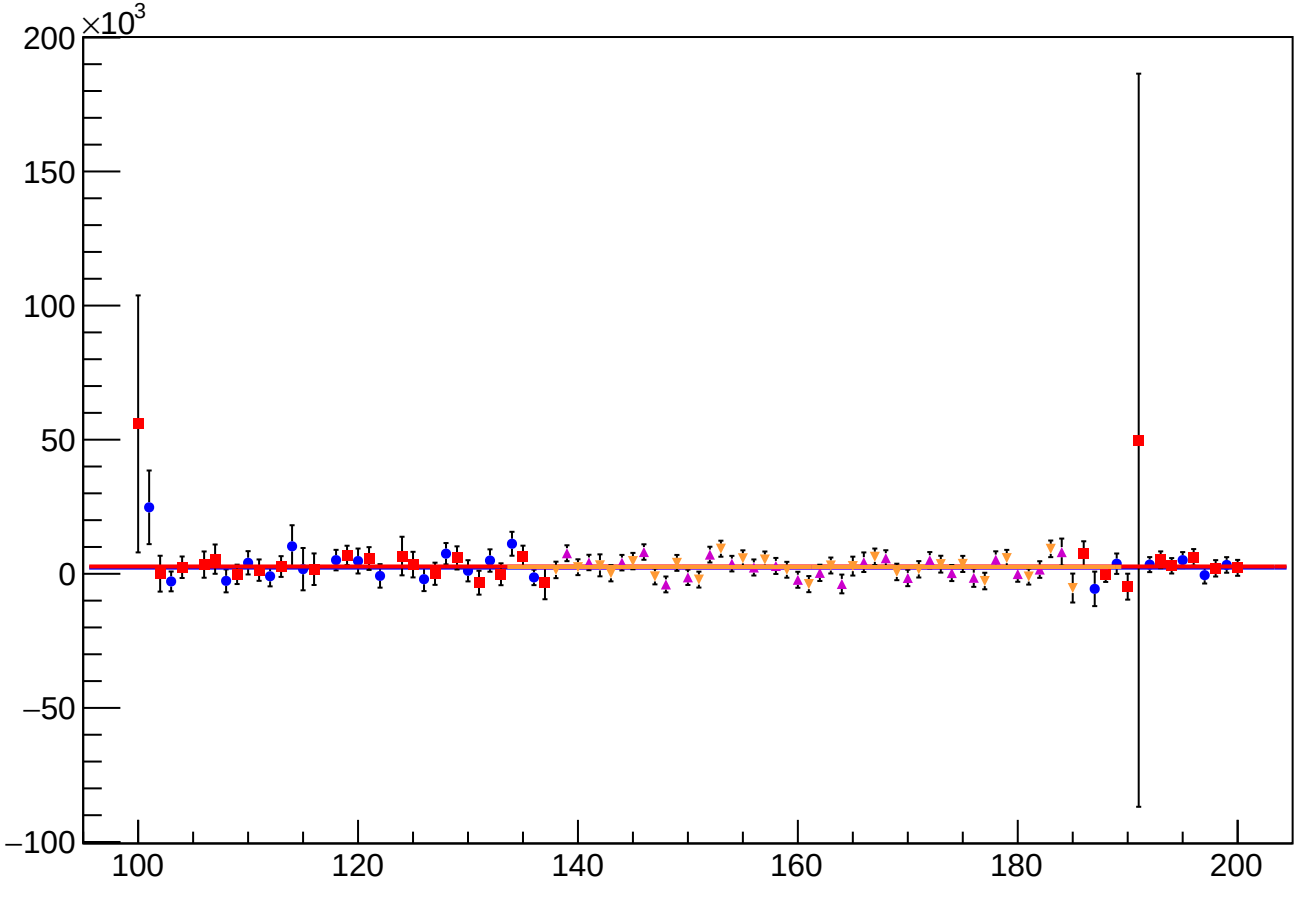
Right: 658.984+/-0.108 χ^2/NDF: 11069539.6/49

In: 730.676+/-0.101 χ^2/NDF:6246039.0/44

Out: 723.002+/-0.096 χ^2/NDF:7823501.6/52

All: 726.675+/-0.070 χ^2/NDF: 14072578.5/97

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

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

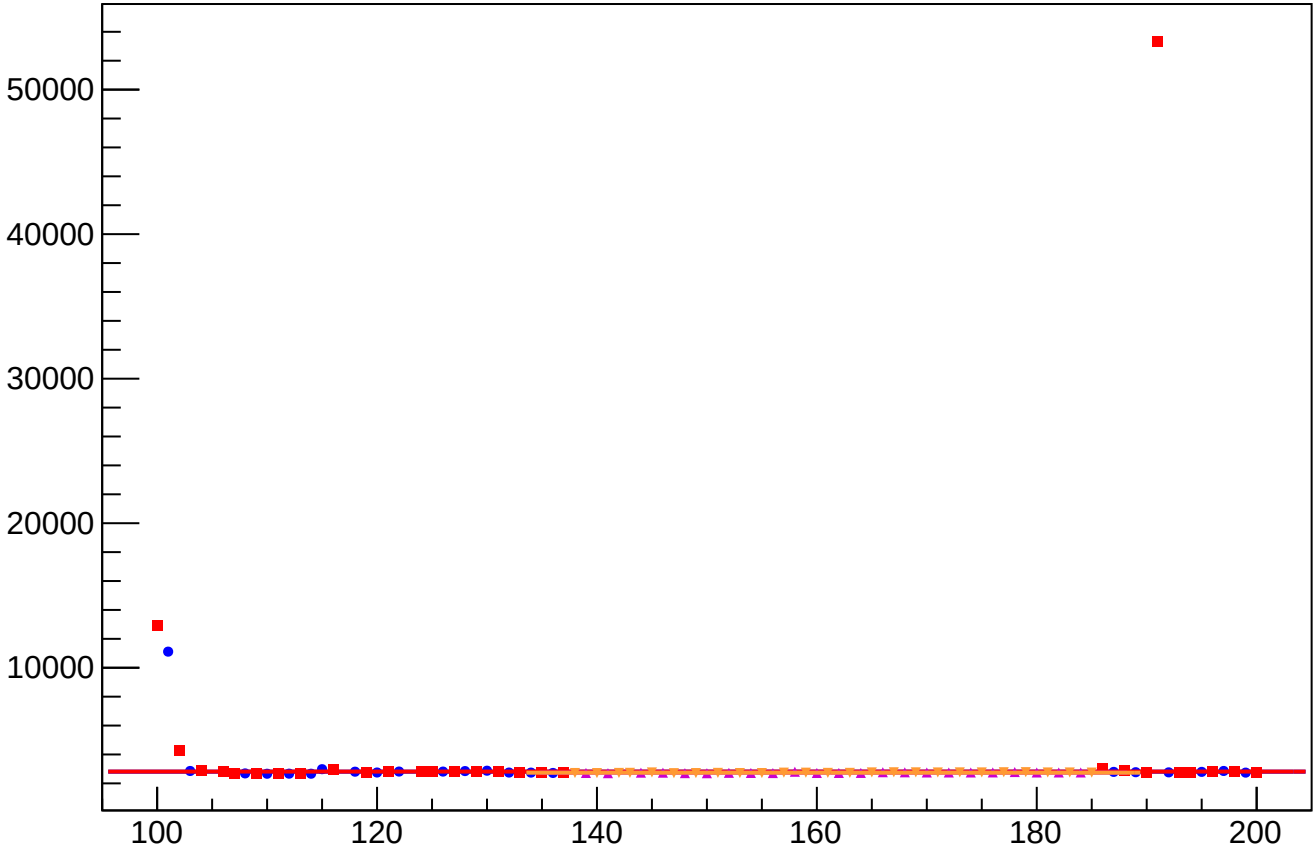
Right: 2535.963+/-570.517 χ^2/NDF: 38.0/49

In: 2368.820+/-509.202 χ^2/NDF:53.4/44

Out: 2619.226+/-485.693 χ^2/NDF:48.2/52

All: 2499.937+/-351.454 χ^2/NDF: 101.7/97

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

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

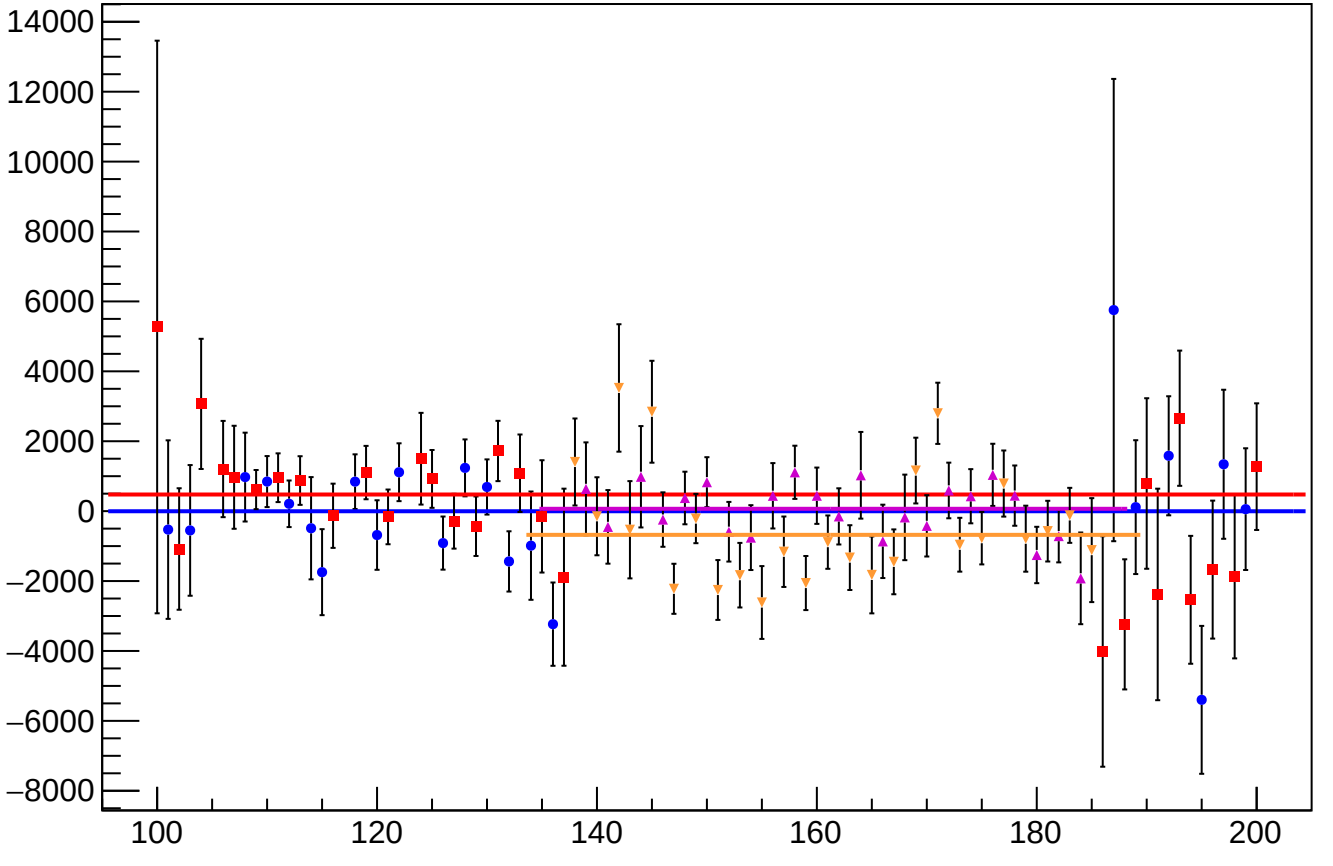
Right: 2813.051+/-0.403 χ^2/NDF: 1278456.9/49

In: 2766.121+/-0.360 χ^2/NDF:758082.8/44

Out: 2769.555+/-0.343 χ^2/NDF:546199.1/52

All: 2767.919+/-0.249 χ^2/NDF: 1304329.6/97

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: -3.034+/-228.521 χ^2/NDF: 31.3/21

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

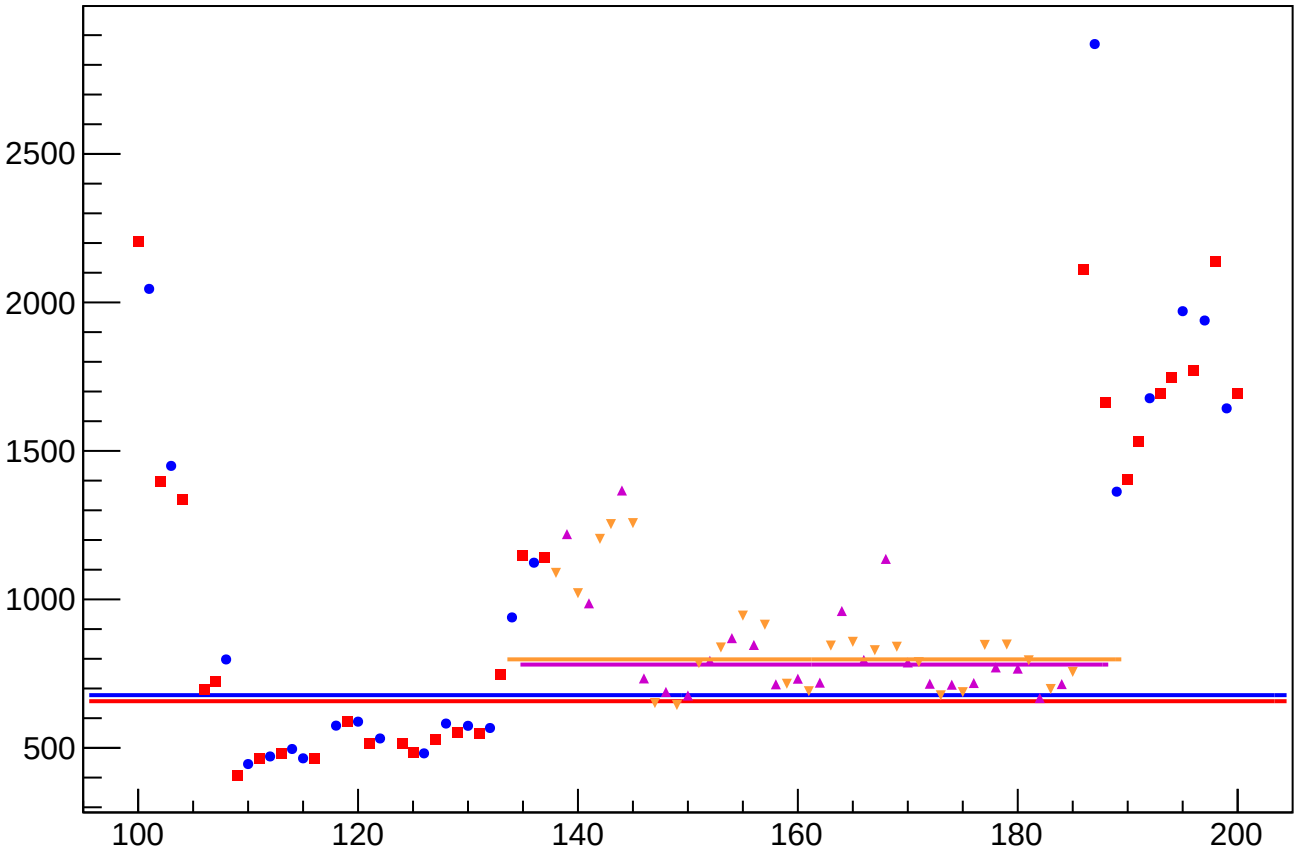
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 259.260+/-153.693 χ^2/NDF: 59.4/49

In: 39.289+/-143.993 χ^2/NDF:47.2/44

Out: -167.591+/-138.142 χ^2/NDF:99.1/52

All: -68.439+/-99.685 χ^2/NDF: 147.4/97



Right In: 677.564+/-0.162 χ^2/NDF: 5323222.6/21

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 657.181+/-0.147 χ^2/NDF: 6748093.8/27

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

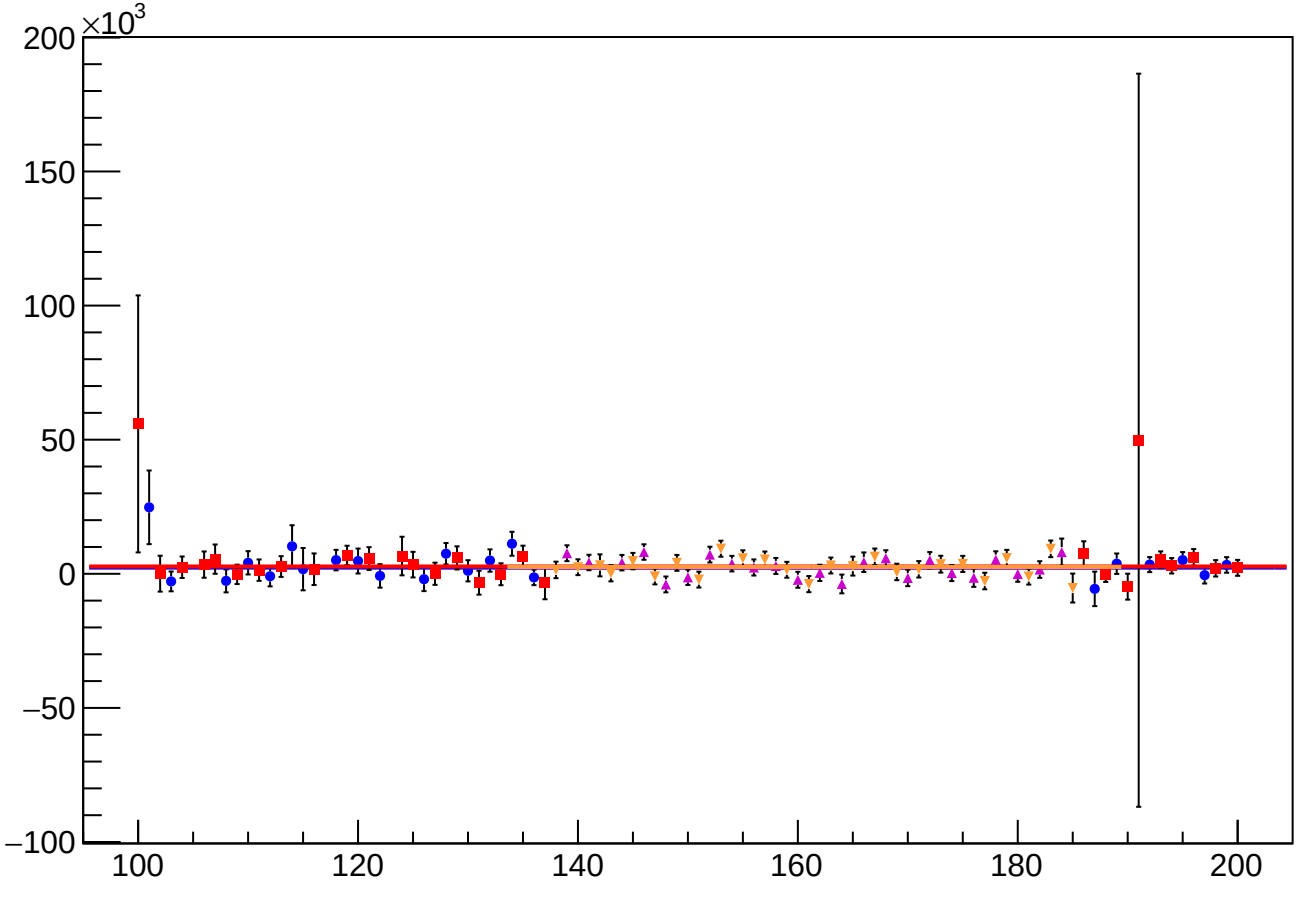
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 666.401+/-0.109 χ^2/NDF: 12080030.5/49

In: 739.646+/-0.102 χ^2/NDF:6632855.9/44

Out: 735.746+/-0.098 χ^2/NDF:8429795.9/52

All: 737.615+/-0.070 χ^2/NDF: 15063415.8/97



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

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

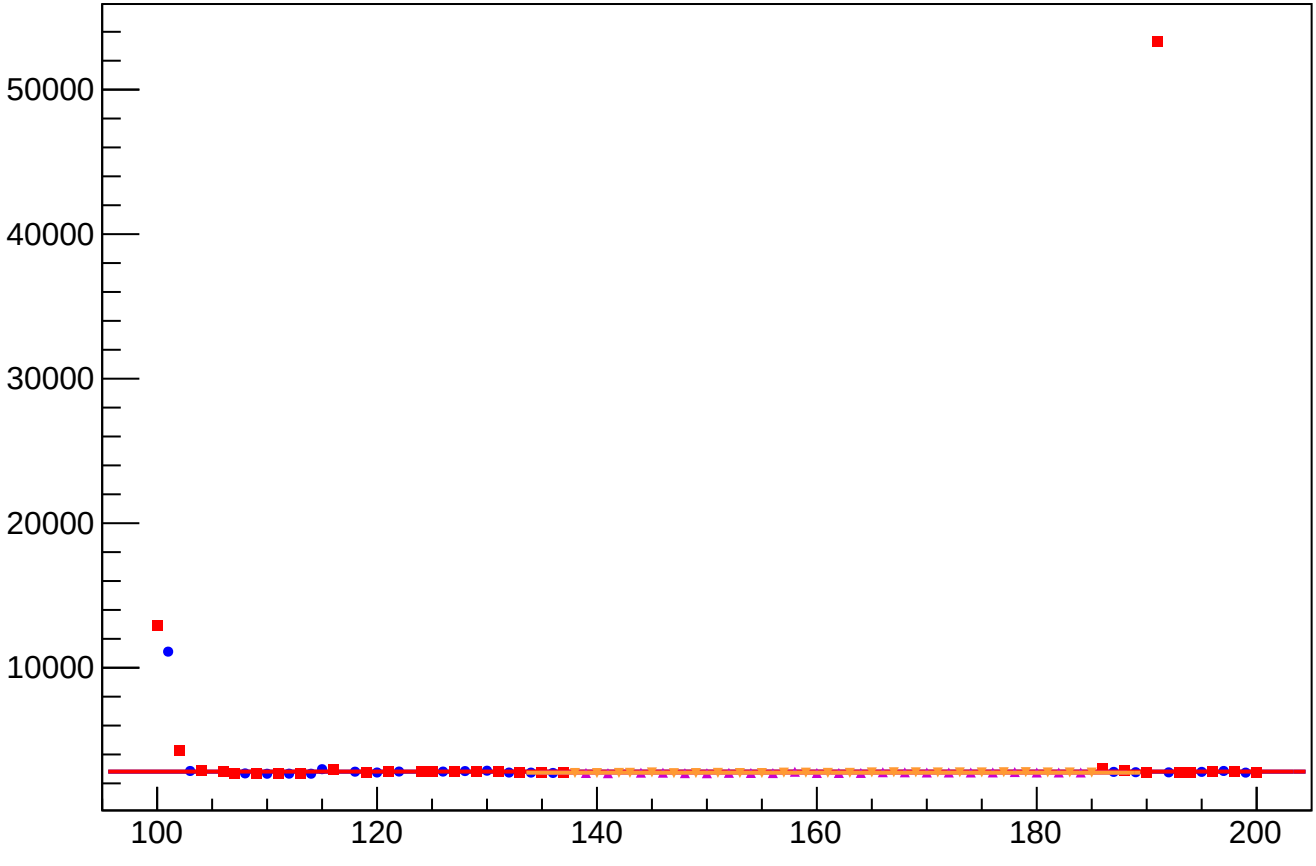
Right: 2535.961+/-570.517 χ^2/NDF: 38.0/49

In: 2368.820+/-509.202 χ^2/NDF:53.4/44

Out: 2619.225+/-485.693 χ^2/NDF:48.2/52

All: 2499.937+/-351.454 χ^2/NDF: 101.7/97

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

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

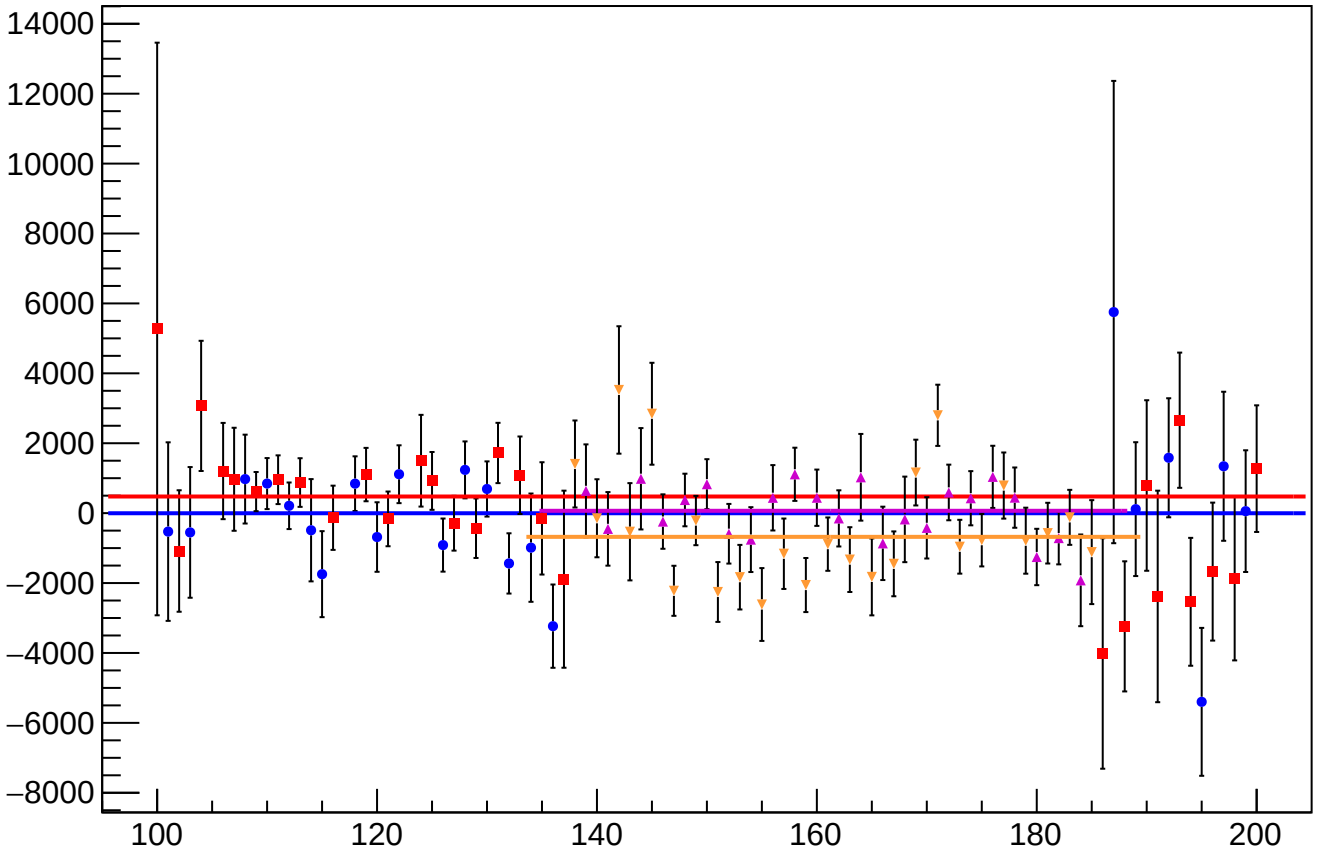
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2813.050+/-0.403 χ^2/NDF: 1278456.7/49

In: 2766.121+/-0.360 χ^2/NDF:758082.8/44

Out: 2769.555+/-0.343 χ^2/NDF:546198.9/52

All: 2767.919+/-0.249 χ^2/NDF: 1304329.3/97



Right In: -3.033+/-228.521 χ^2/NDF: 31.3/21

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

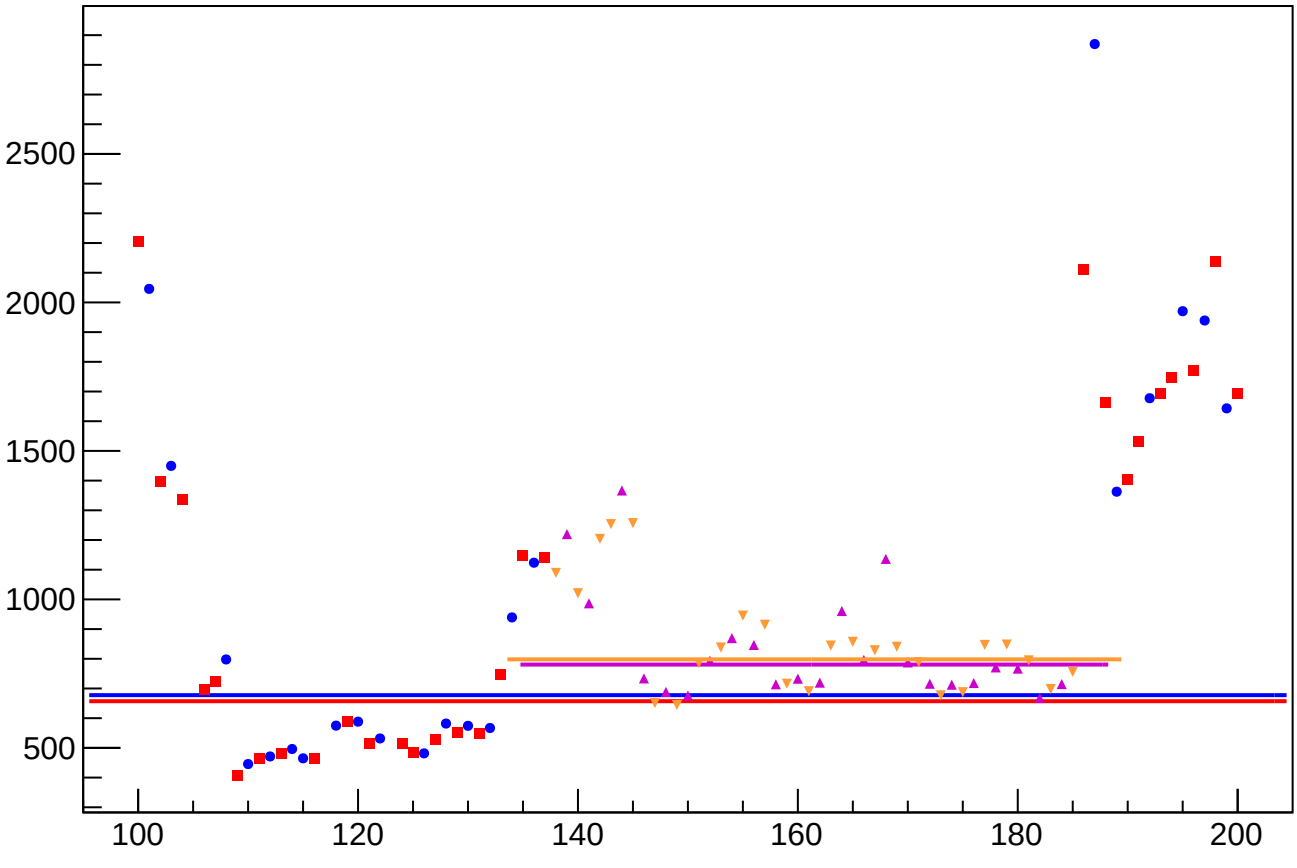
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 259.260+/-153.693 χ^2/NDF: 59.4/49

In: 39.289+/-143.993 χ^2/NDF:47.2/44

Out: -167.591+/-138.142 χ^2/NDF:99.1/52

All: -68.439+/-99.685 χ^2/NDF: 147.4/97



Right In: 677.564+/-0.162 χ^2/NDF: 5323218.5/21

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

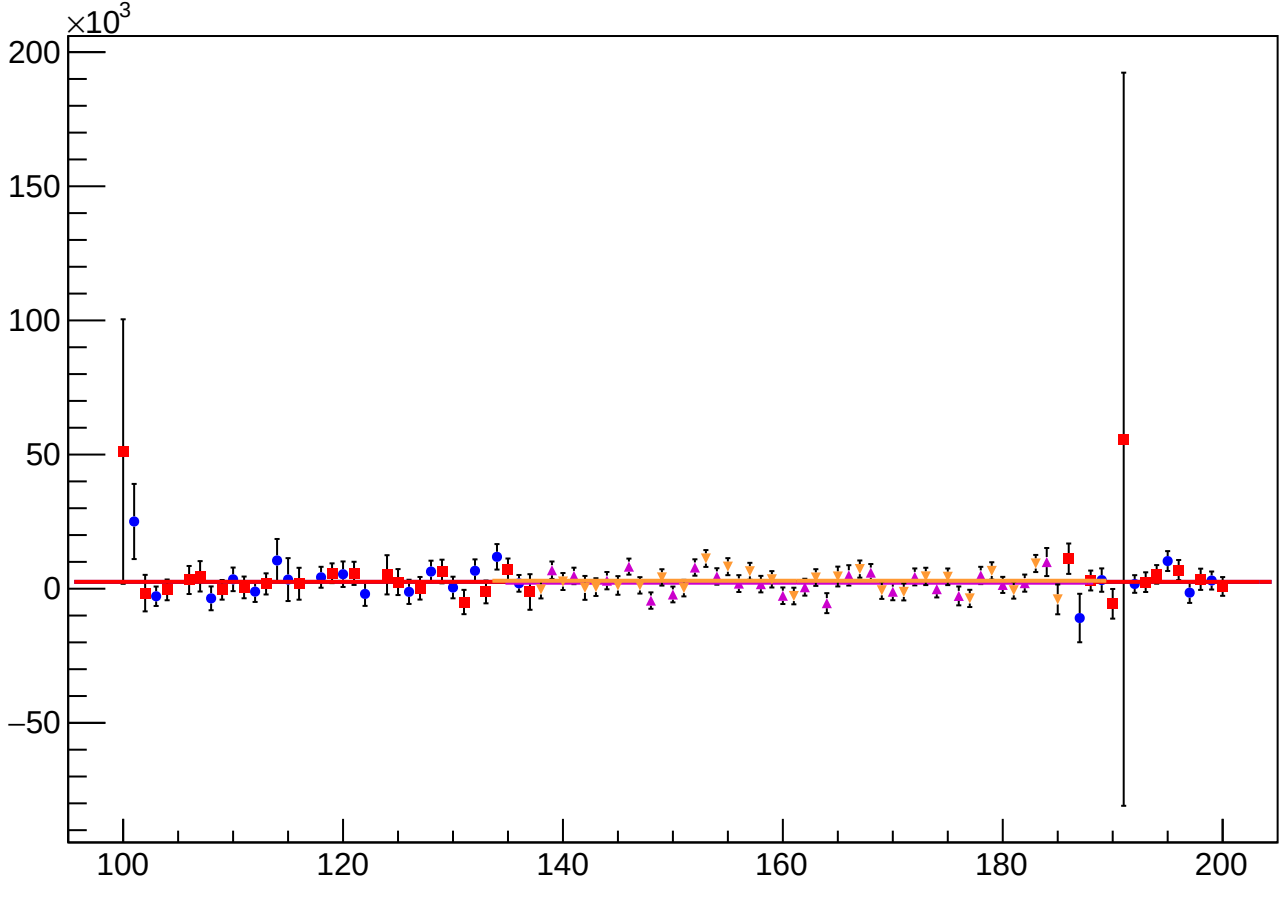
Right: 666.401+/-0.109 χ^2/NDF: 12080028.3/49

In: 739.646+/-0.102 χ^2/NDF:6632852.0/44

Out: 735.746+/-0.098 χ^2/NDF:8429798.9/52

All: 737.615+/-0.070 χ^2/NDF: 15063414.8/97

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2534.455+/-911.106 χ^2/NDF: 24.7/21

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

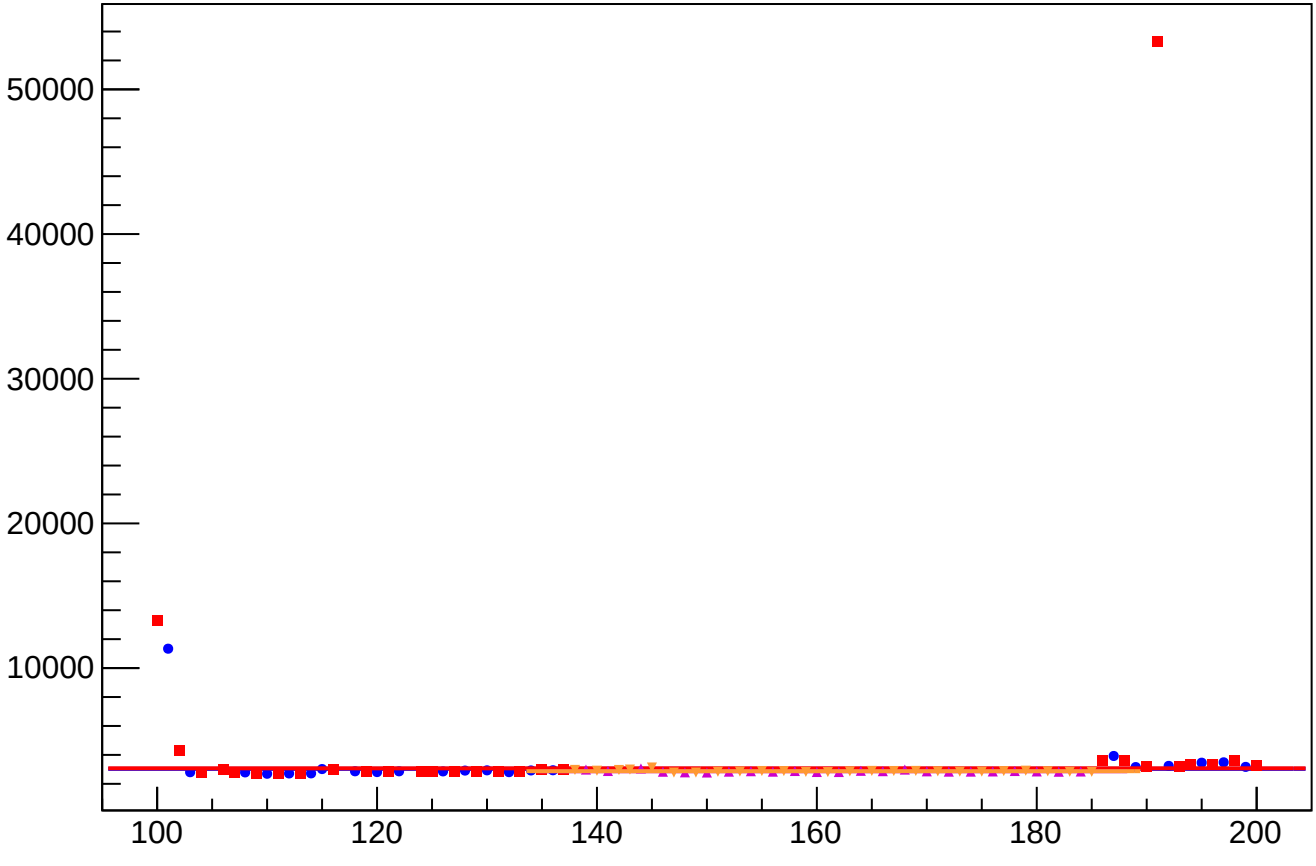
Right: 2549.027+/-622.431 χ^2/NDF: 42.3/49

In: 2341.786+/-539.938 χ^2/NDF:58.6/44

Out: 2818.512+/-518.501 χ^2/NDF:53.5/52

All: 2589.800+/-373.985 χ^2/NDF: 112.4/97

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3035.027+/-0.644 χ^2/NDF: 858290.4/21

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

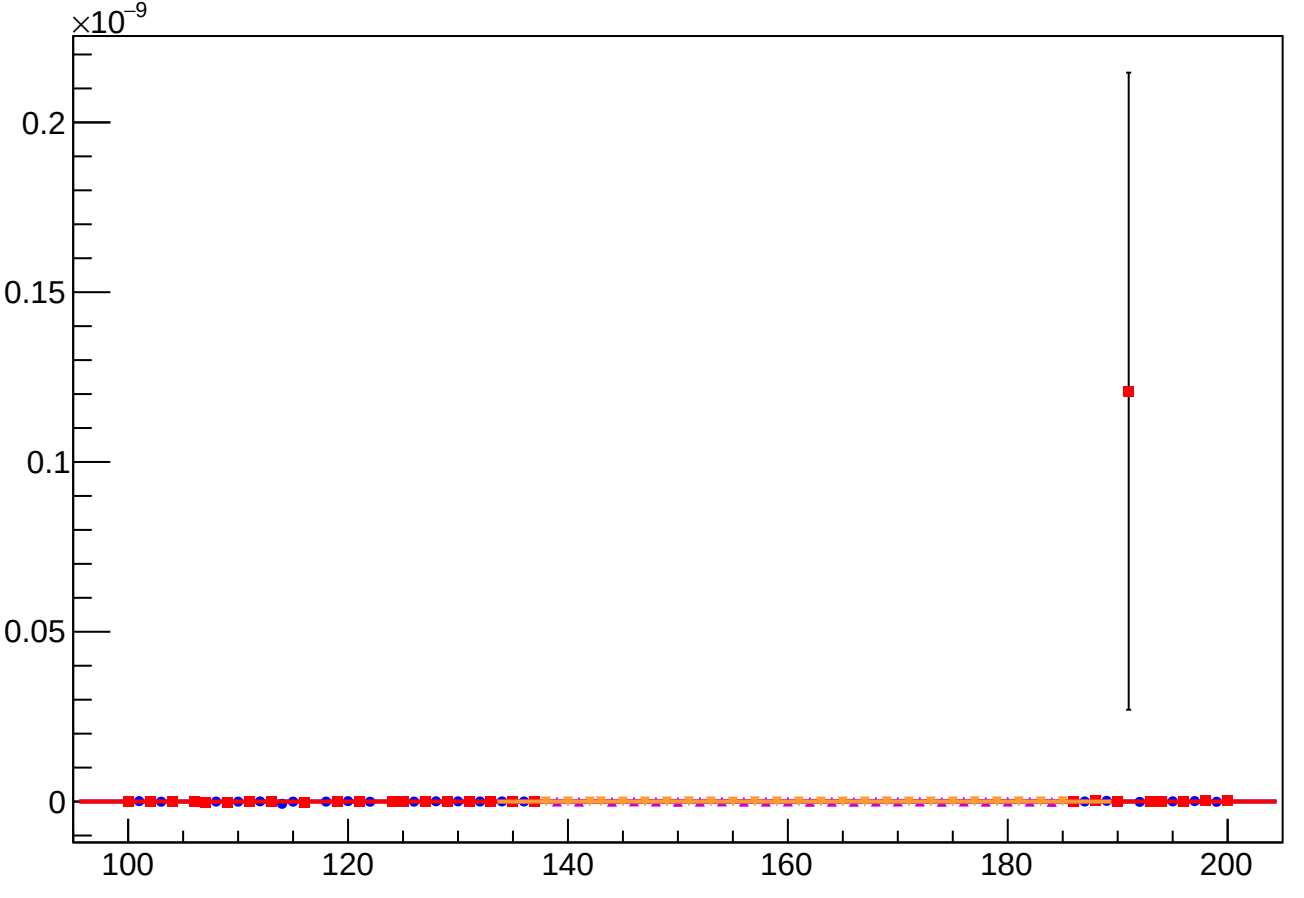
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3055.073+/-0.440 χ^2/NDF: 1571649.9/49

In: 2928.056+/-0.382 χ^2/NDF:918470.1/44

Out: 2948.090+/-0.367 χ^2/NDF:801103.8/52

All: 2938.478+/-0.264 χ^2/NDF: 1721006.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/21

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

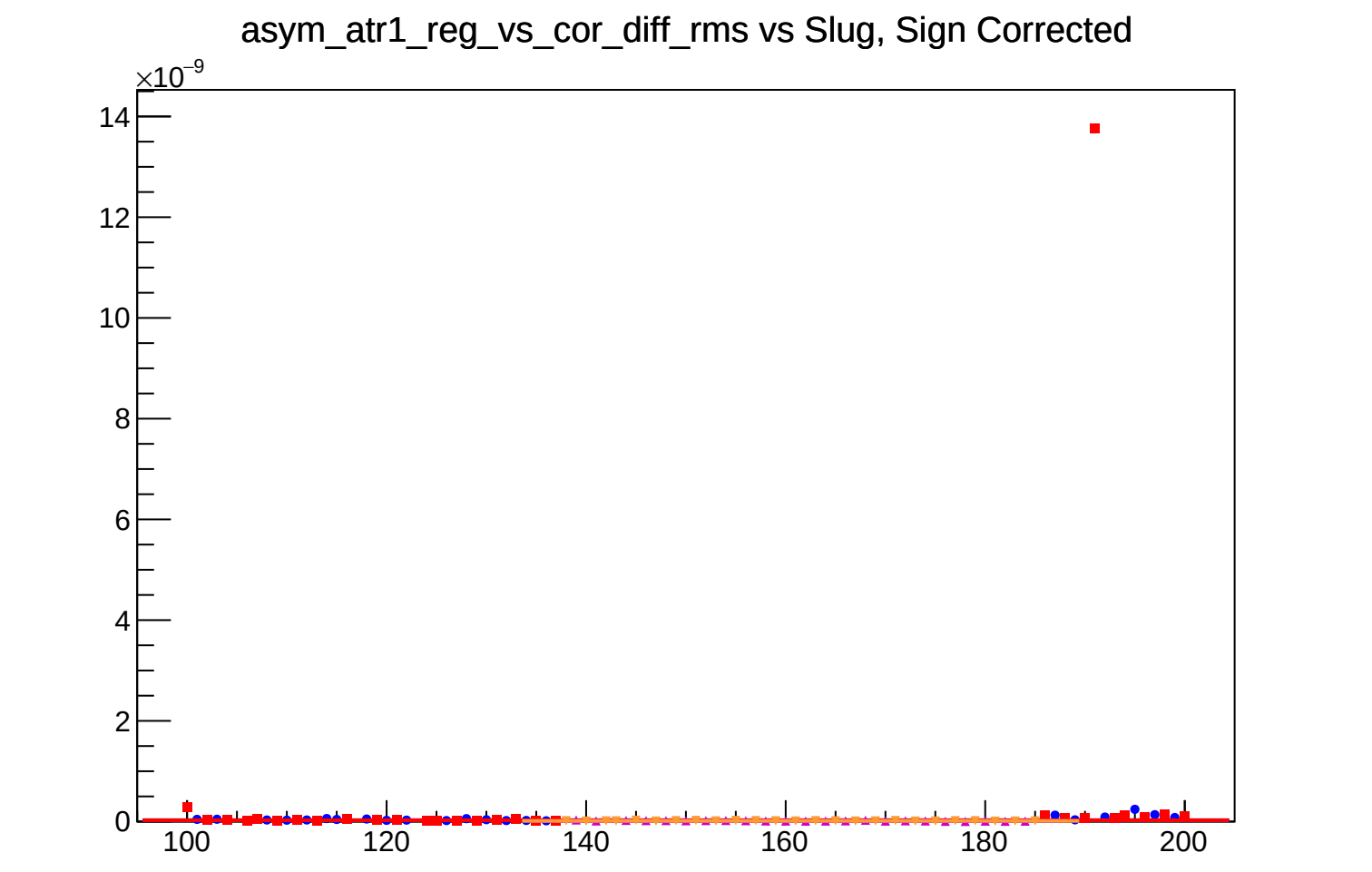
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 49.5/49

In: -0.000+/-0.000 χ^2/NDF:45.5/44

Out: 0.000+/-0.000 χ^2/NDF:49.1/52

All: -0.000+/-0.000 χ^2/NDF: 95.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 2630661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2796807.0/27

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

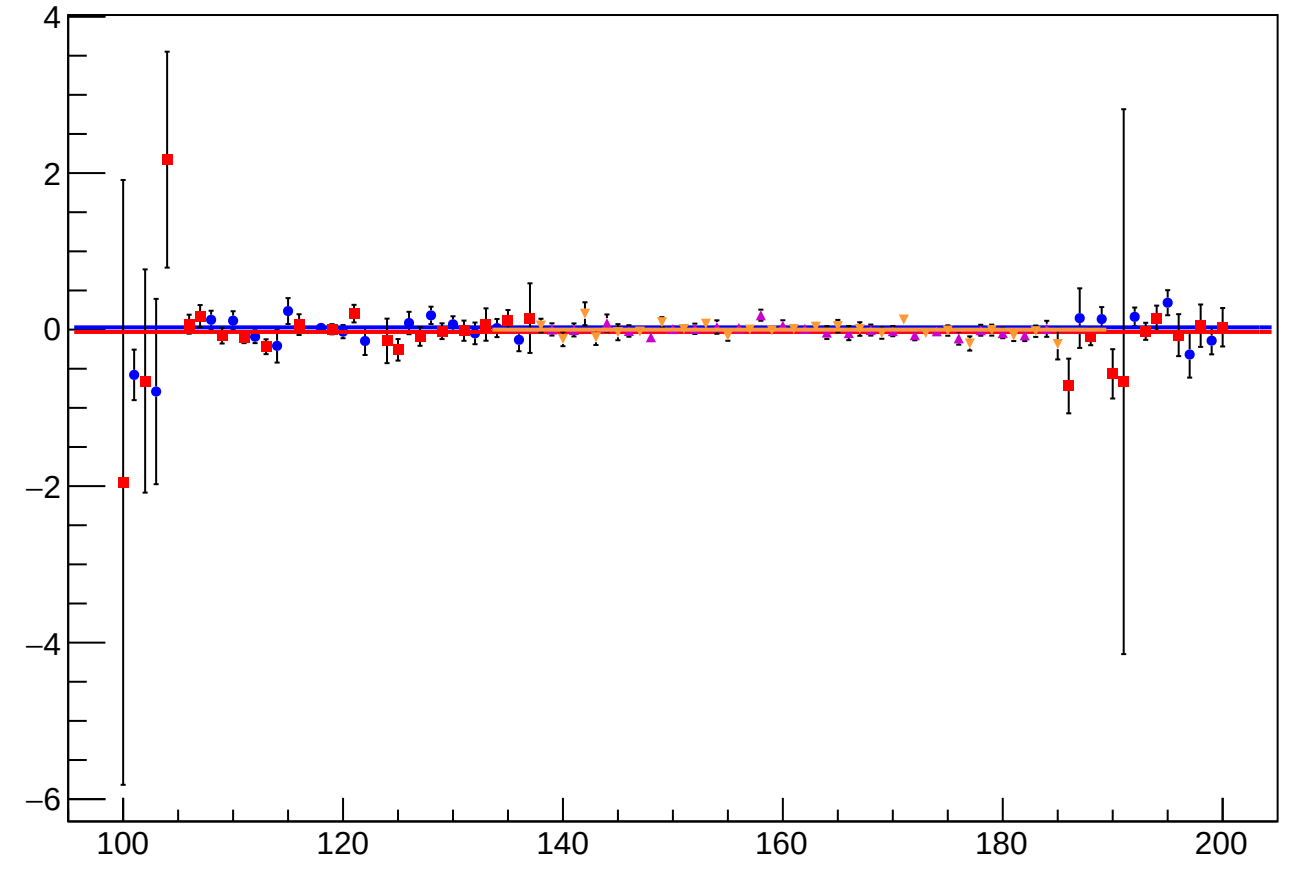
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5442718.9/49

In: 0.000+/-0.000 χ^2/NDF:7931286.1/44

Out: 0.000+/-0.000 χ^2/NDF:5311450.6/52

All: 0.000+/-0.000 χ^2/NDF: 13506041.5/97



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

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

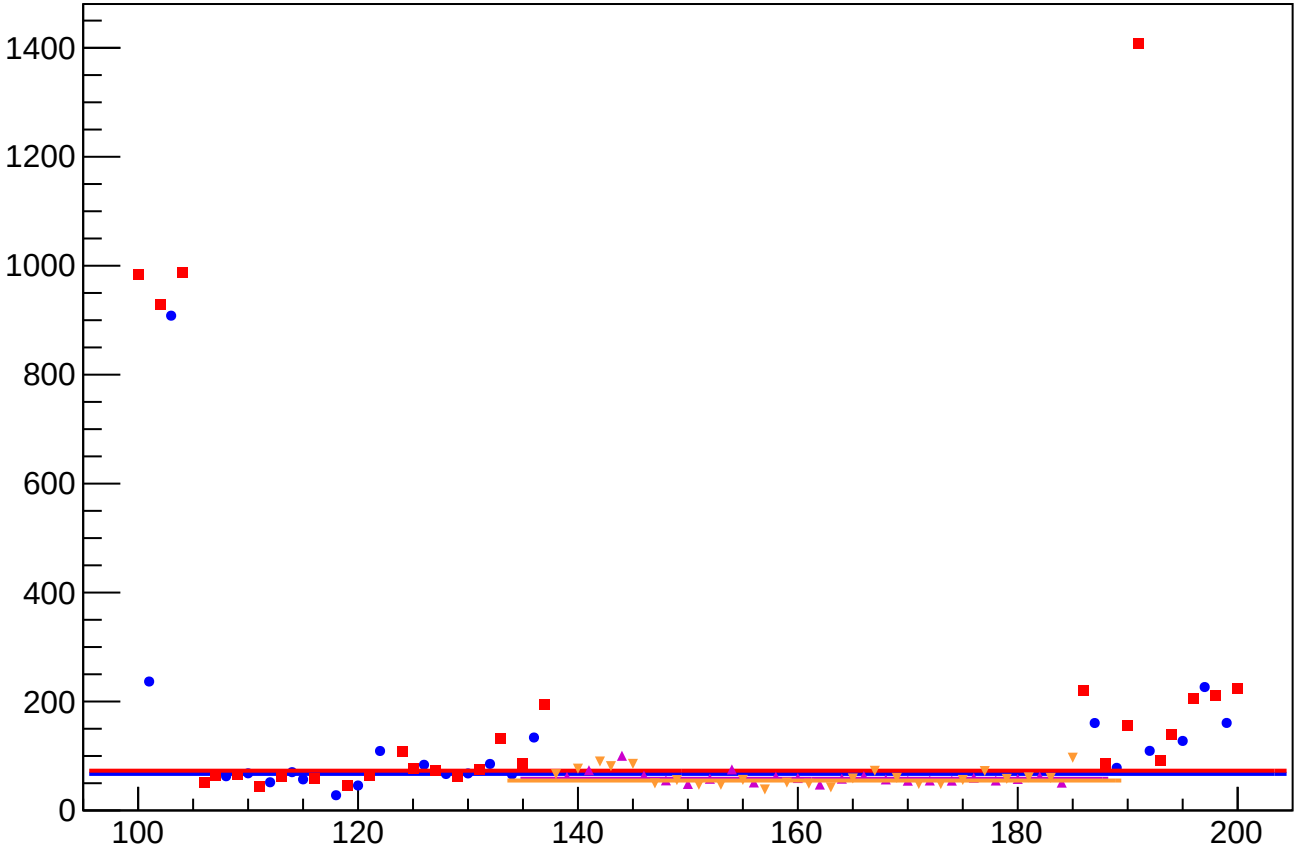
Right: -0.001+/-0.018 χ^2/NDF: 55.4/49

In: 0.001+/-0.013 χ^2/NDF:40.4/44

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 93.6/97

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

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

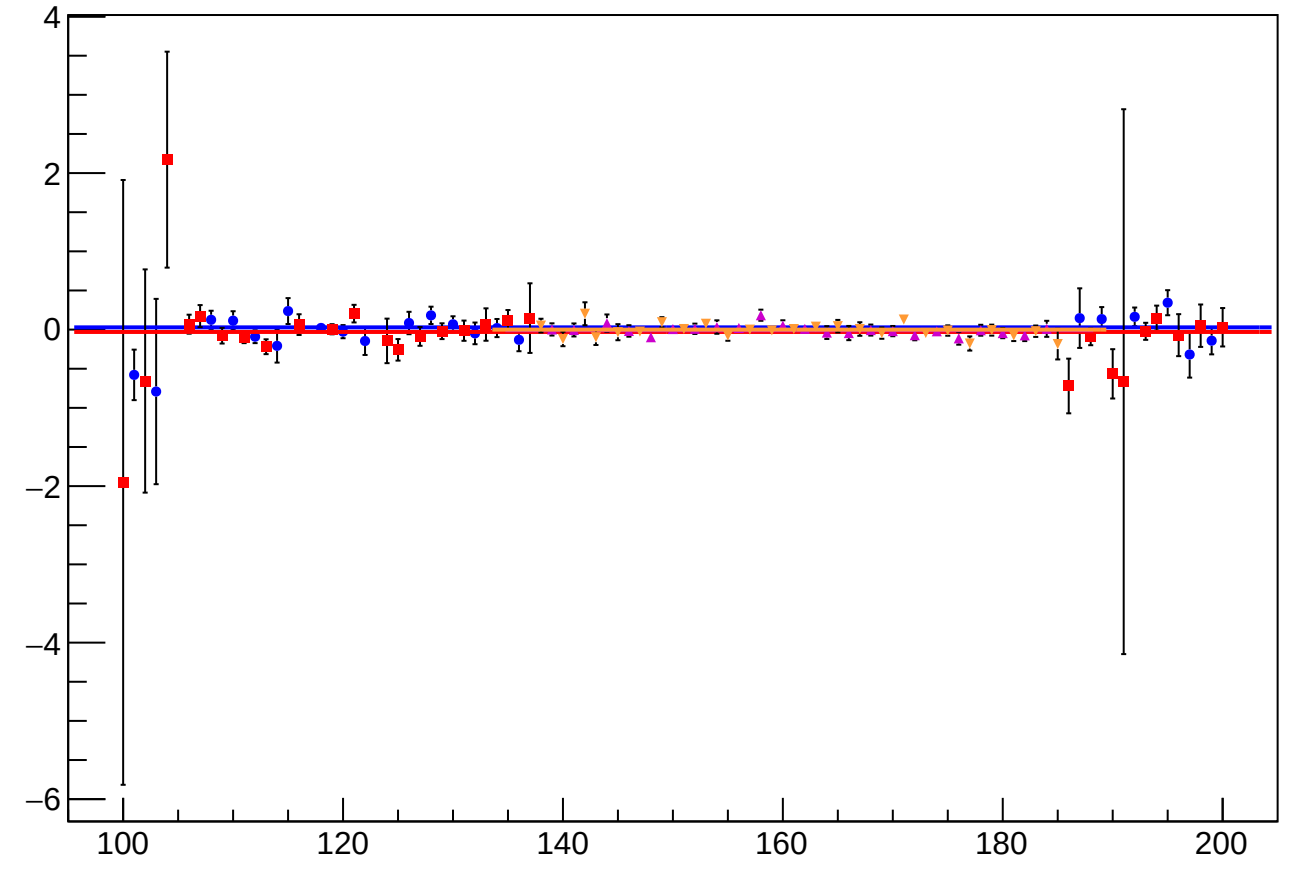
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.110+/-0.013 χ^2/NDF: 11252154.4/49

In: 60.360+/-0.009 χ^2/NDF:6126098.9/44

Out: 59.179+/-0.009 χ^2/NDF:7982620.8/52

All: 59.744+/-0.006 χ^2/NDF: 14117515.5/97



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

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

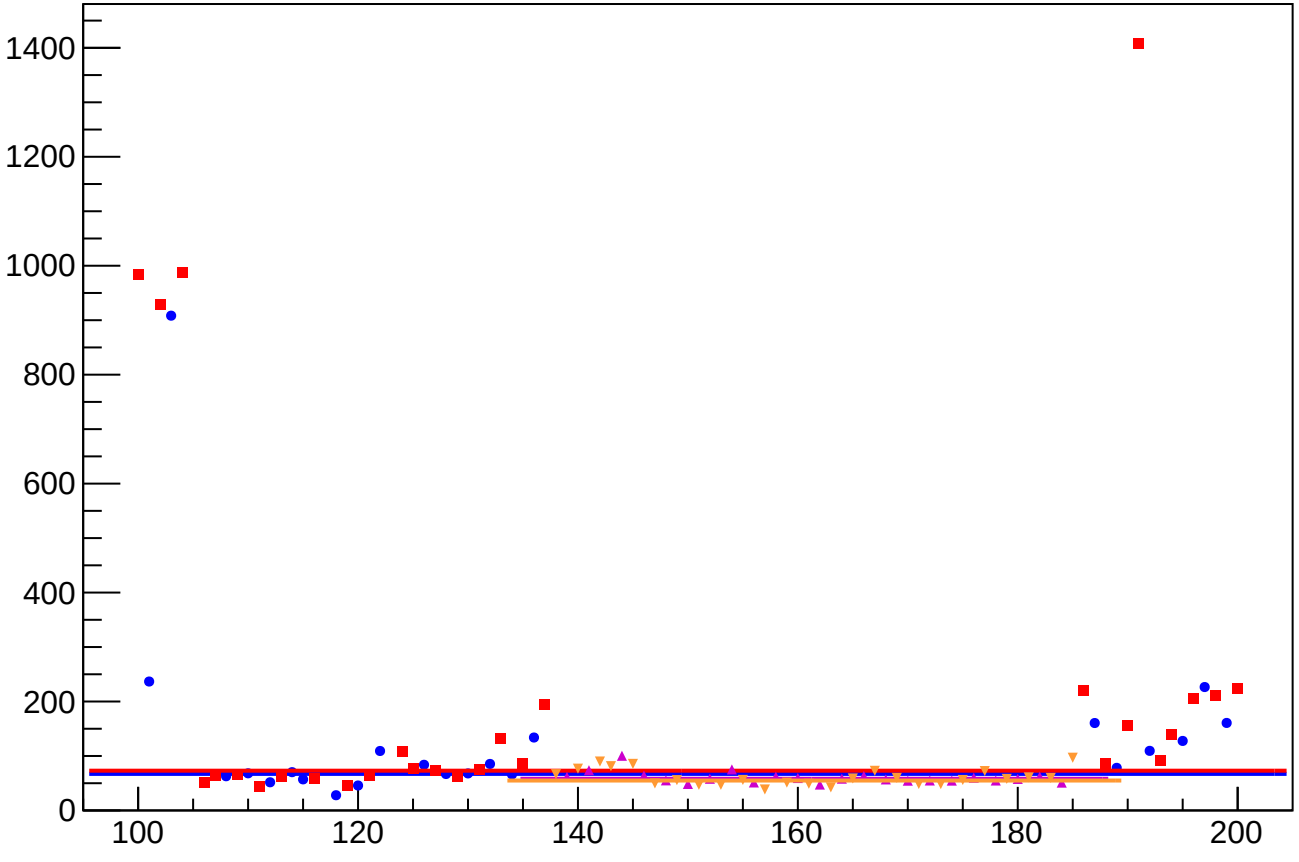
Right: -0.001+/-0.018 χ^2/NDF: 55.4/49

In: 0.001+/-0.013 χ^2/NDF:40.4/44

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 93.6/97

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

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

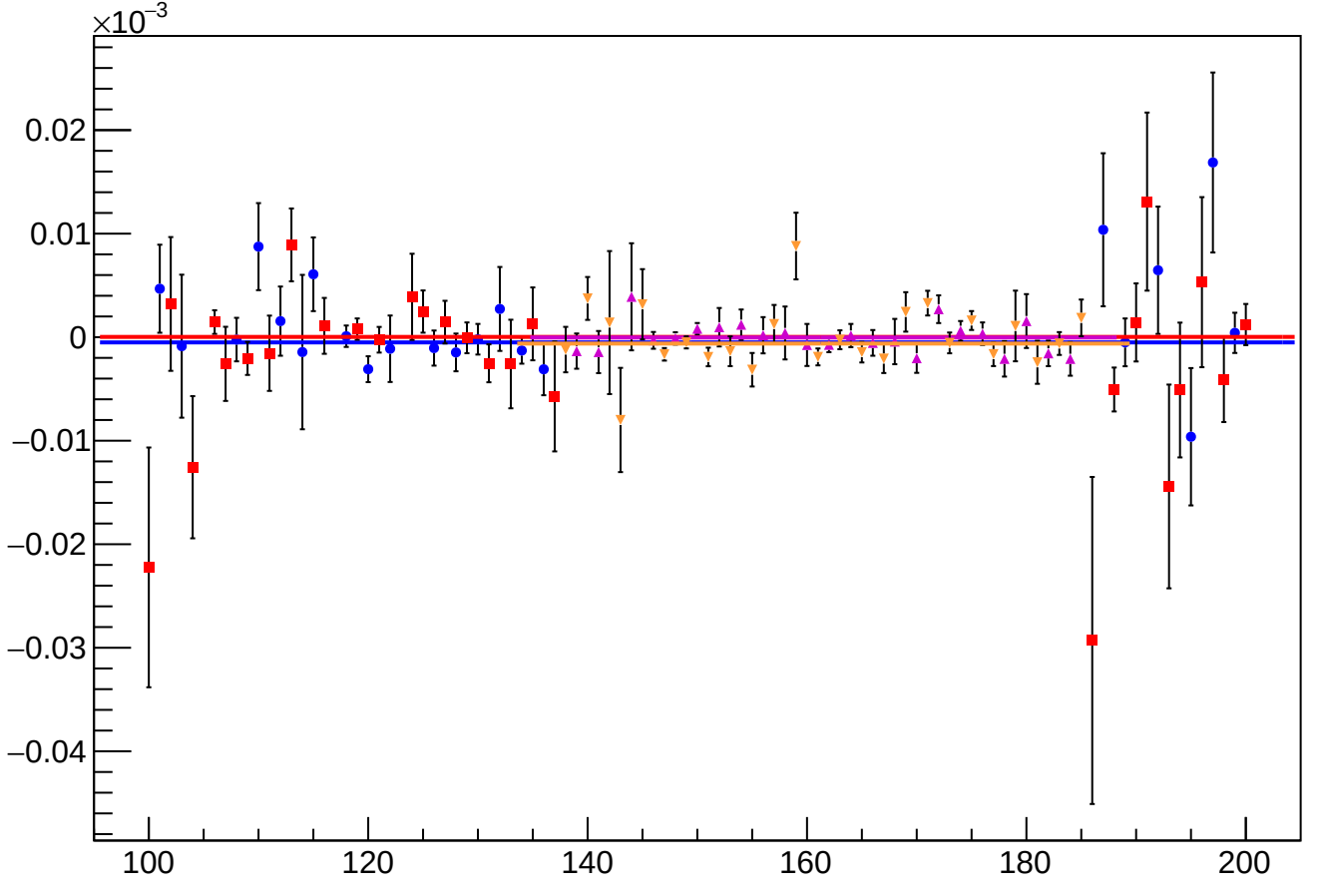
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.110+/-0.013 χ^2/NDF: 11252154.4/49

In: 60.360+/-0.009 χ^2/NDF:6126098.9/44

Out: 59.179+/-0.009 χ^2/NDF:7982620.8/52

All: 59.744+/-0.006 χ^2/NDF: 14117515.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/21

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

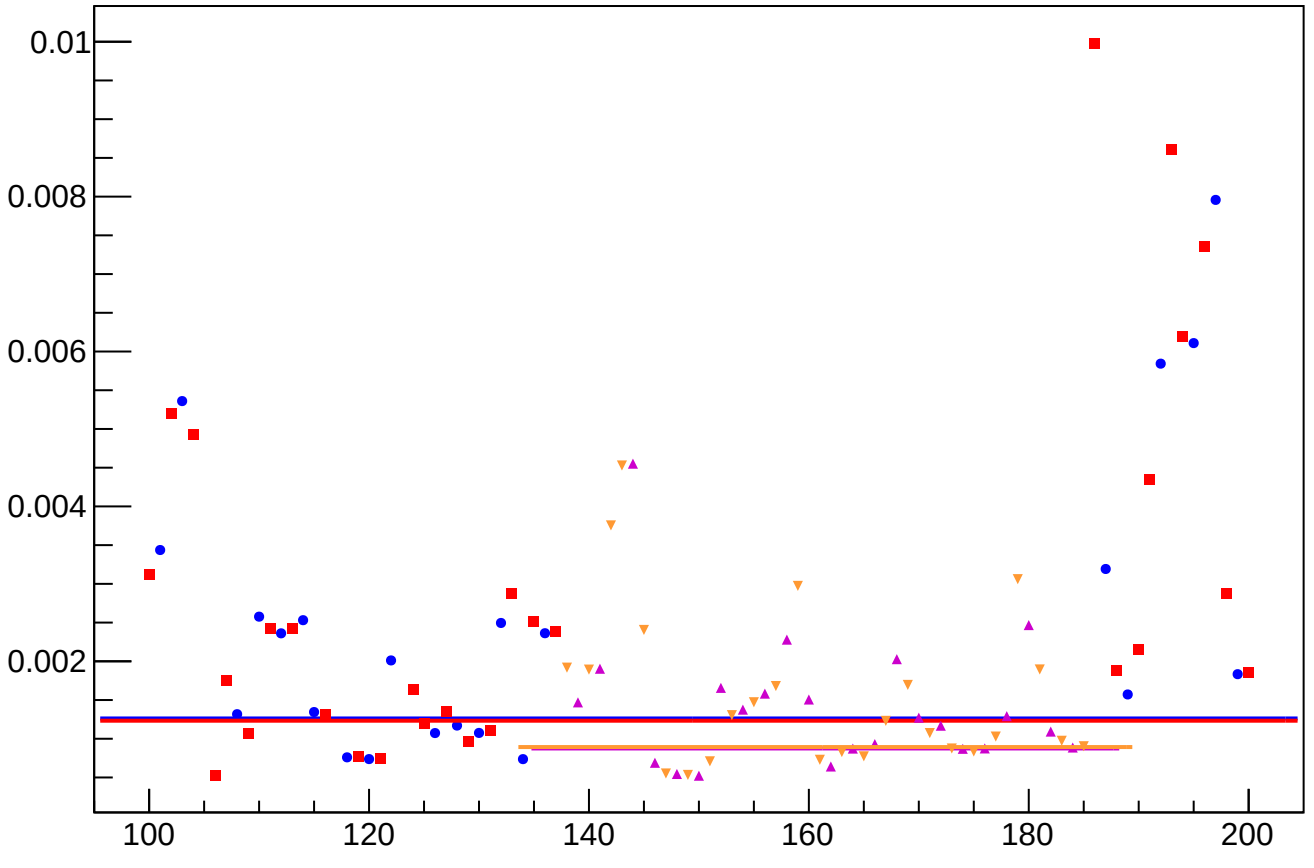
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.6/49

In: -0.000+/-0.000 χ^2/NDF:45.9/44

Out: -0.000+/-0.000 χ^2/NDF:95.4/52

All: -0.000+/-0.000 χ^2/NDF: 142.7/97



Right In: 0.001+/-0.000 χ^2/NDF: 7316611.2/21

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

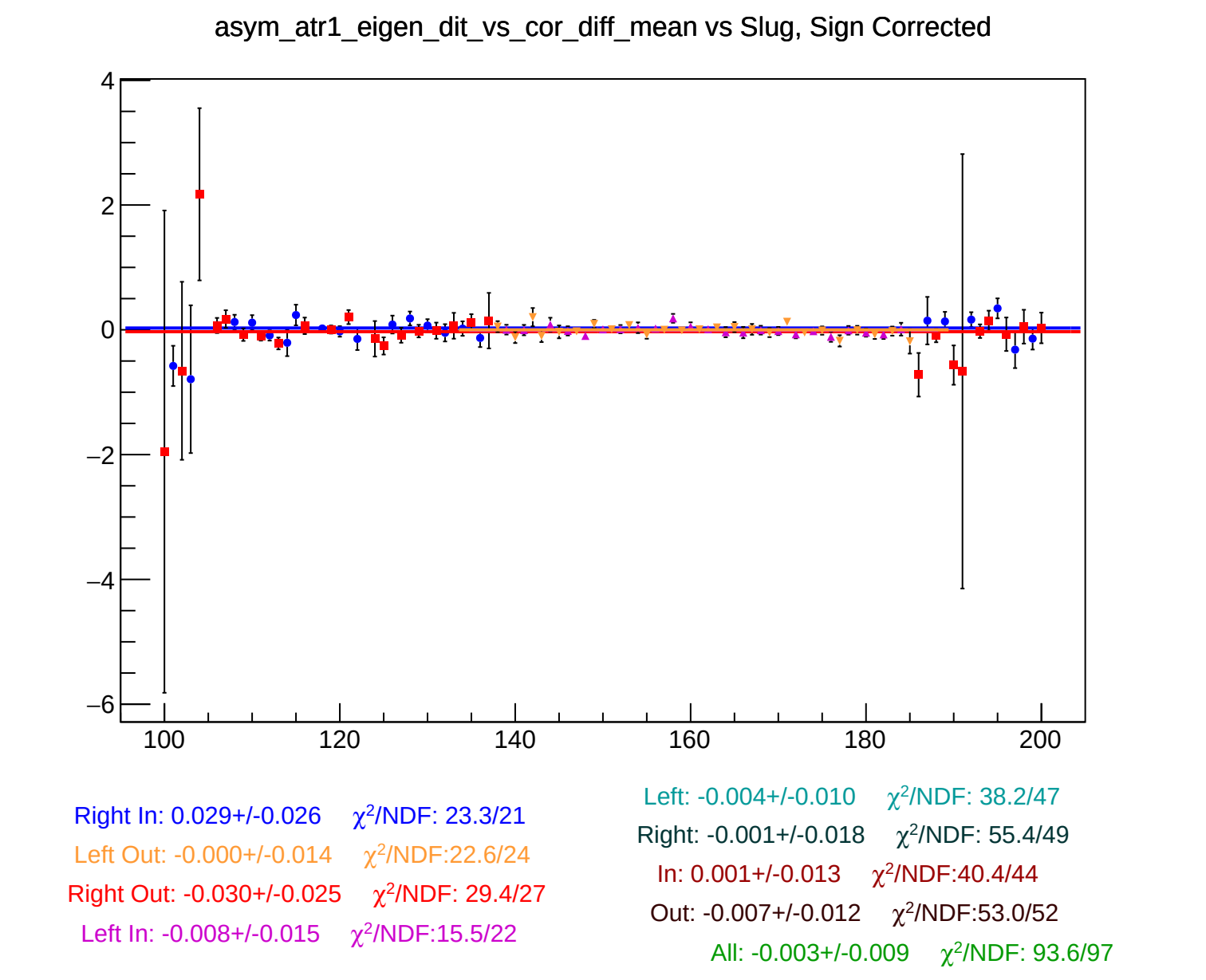
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

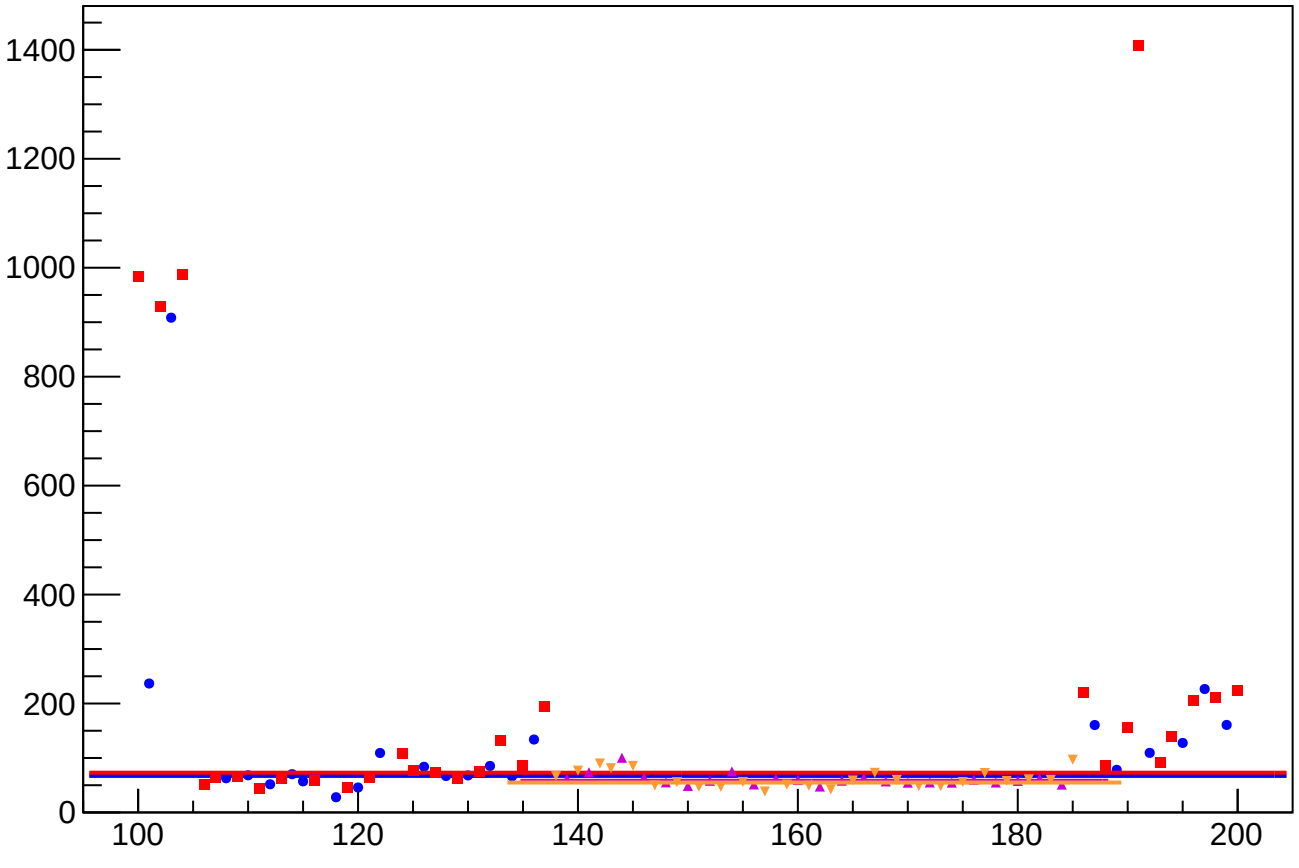
Right: 0.001+/-0.000 χ^2/NDF: 16555906.3/49

In: 0.001+/-0.000 χ^2/NDF:15396541.9/44

Out: 0.001+/-0.000 χ^2/NDF:17926905.7/52

All: 0.001+/-0.000 χ^2/NDF: 33327838.1/97


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.029+/-0.026 χ²/NDF: 23.3/21
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: -0.001+/-0.018 χ²/NDF: 55.4/49
In: 0.001+/-0.013 χ²/NDF:40.4/44
Out: -0.007+/-0.012 χ²/NDF:53.0/52
All: -0.003+/-0.009 χ²/NDF: 93.6/97



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

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

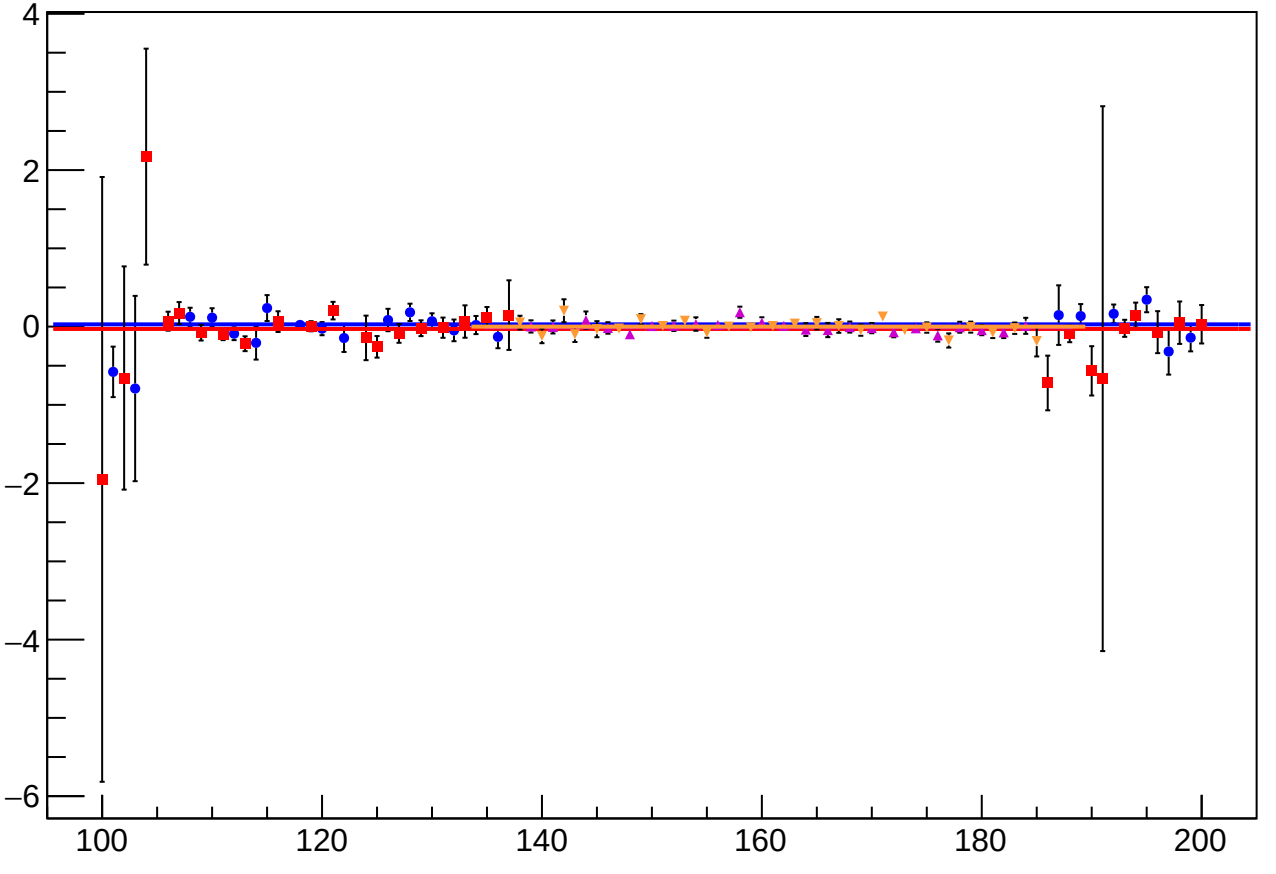
Right: 70.109+/-0.013 χ^2/NDF: 11252302.9/49

In: 60.360+/-0.009 χ^2/NDF:6126203.4/44

Out: 59.178+/-0.009 χ^2/NDF:7982732.8/52

All: 59.744+/-0.006 χ^2/NDF: 14117735.4/97

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

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

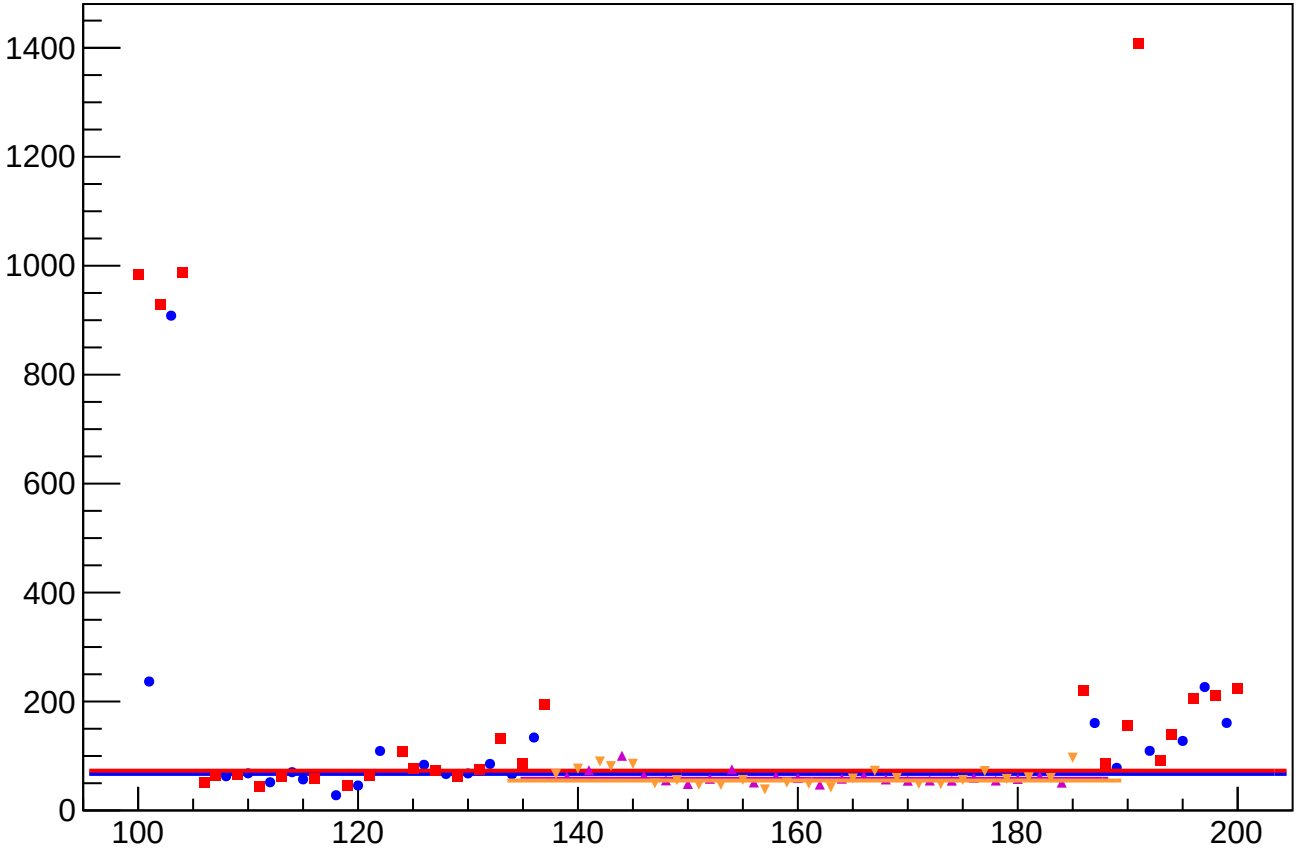
Right: -0.001+/-0.018 χ^2/NDF: 55.4/49

In: 0.001+/-0.013 χ^2/NDF:40.4/44

Out: -0.007+/-0.012 χ^2/NDF:53.0/52

All: -0.003+/-0.009 χ^2/NDF: 93.6/97

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

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

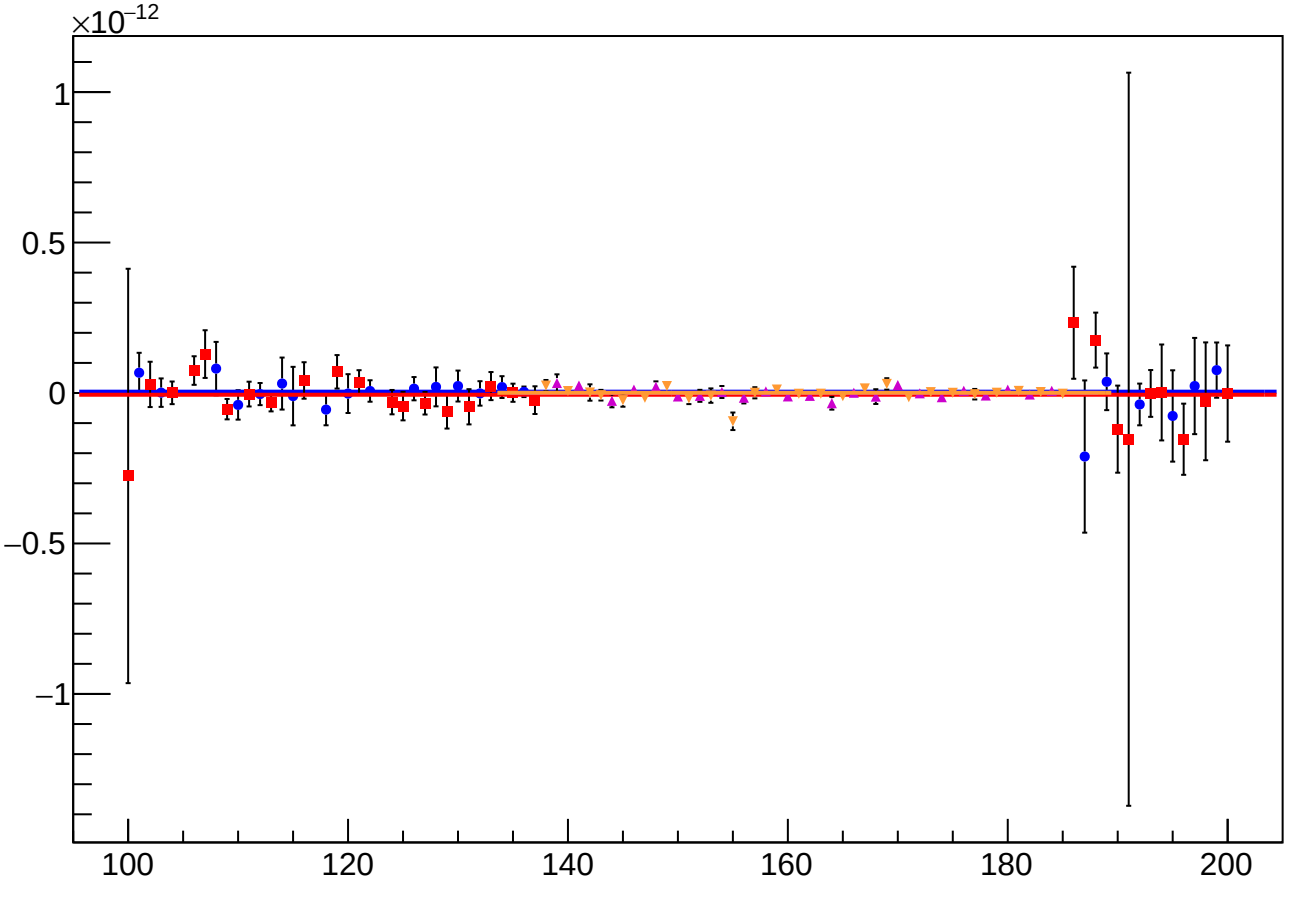
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.109+/-0.013 χ^2/NDF: 11252302.9/49

In: 60.360+/-0.009 χ^2/NDF:6126203.4/44

Out: 59.178+/-0.009 χ^2/NDF:7982732.8/52

All: 59.744+/-0.006 χ^2/NDF: 14117735.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 6.5/21

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

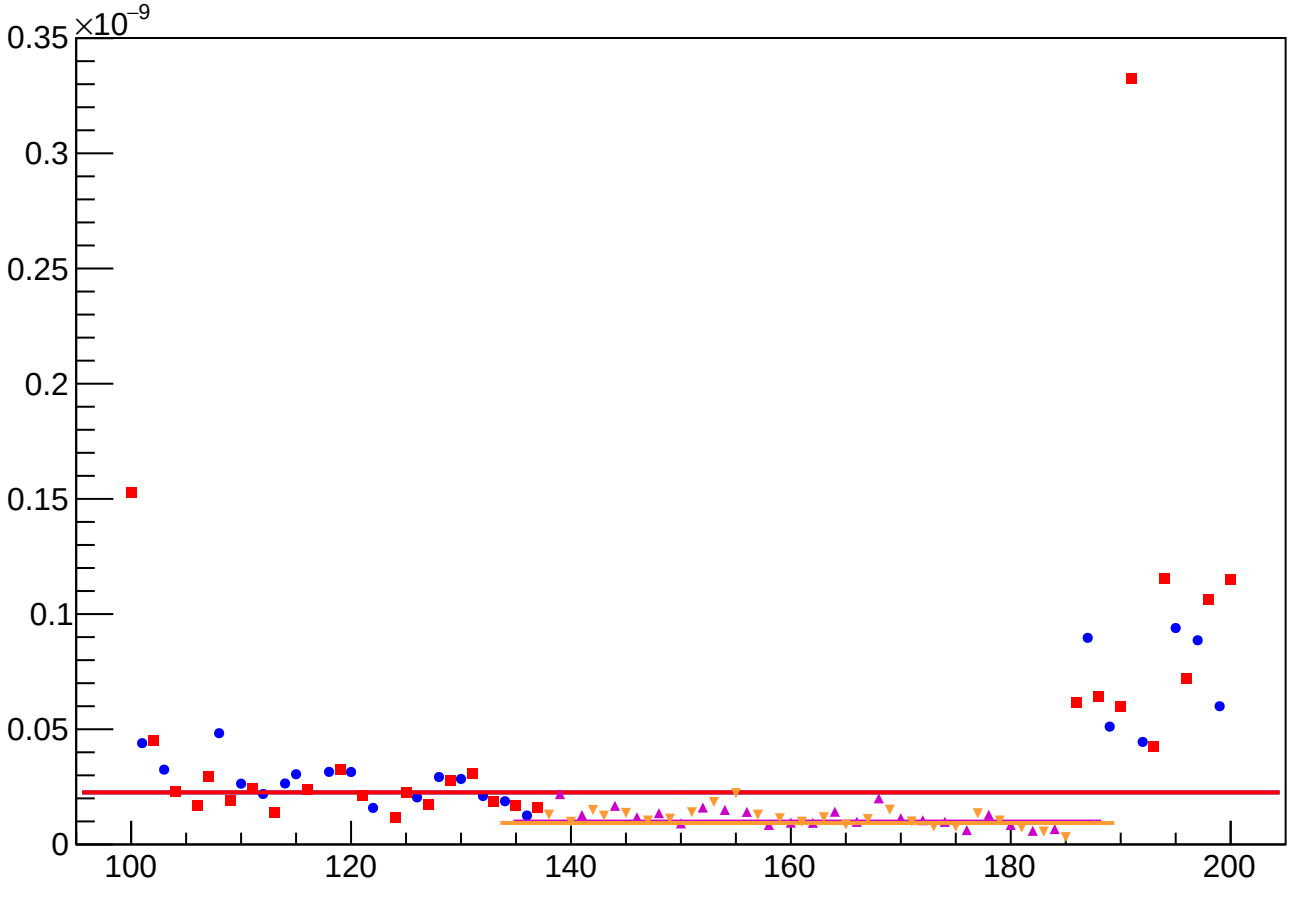
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.0/49

In: 0.000+/-0.000 χ^2/NDF:26.9/44

Out: 0.000+/-0.000 χ^2/NDF:49.7/52

All: 0.000+/-0.000 χ^2/NDF: 76.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 3036090.9/21

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

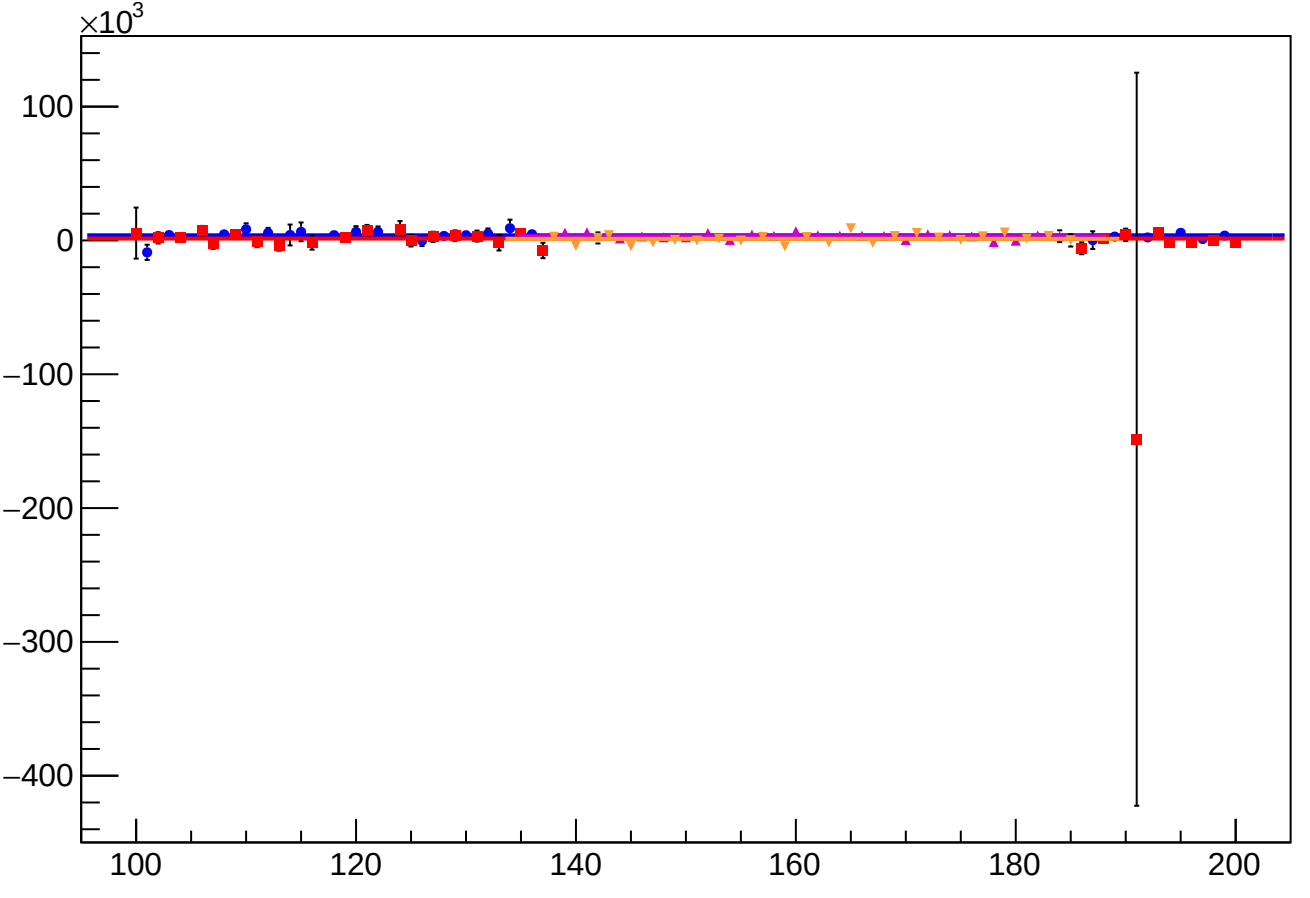
Right: 0.000+/-0.000 χ^2/NDF: 6929201.6/49

In: 0.000+/-0.000 χ^2/NDF:8560226.1/44

Out: 0.000+/-0.000 χ^2/NDF:10330939.4/52

All: 0.000+/-0.000 χ^2/NDF: 18949983.3/97

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3853.178+/-779.603 χ^2/NDF: 10.9/21

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

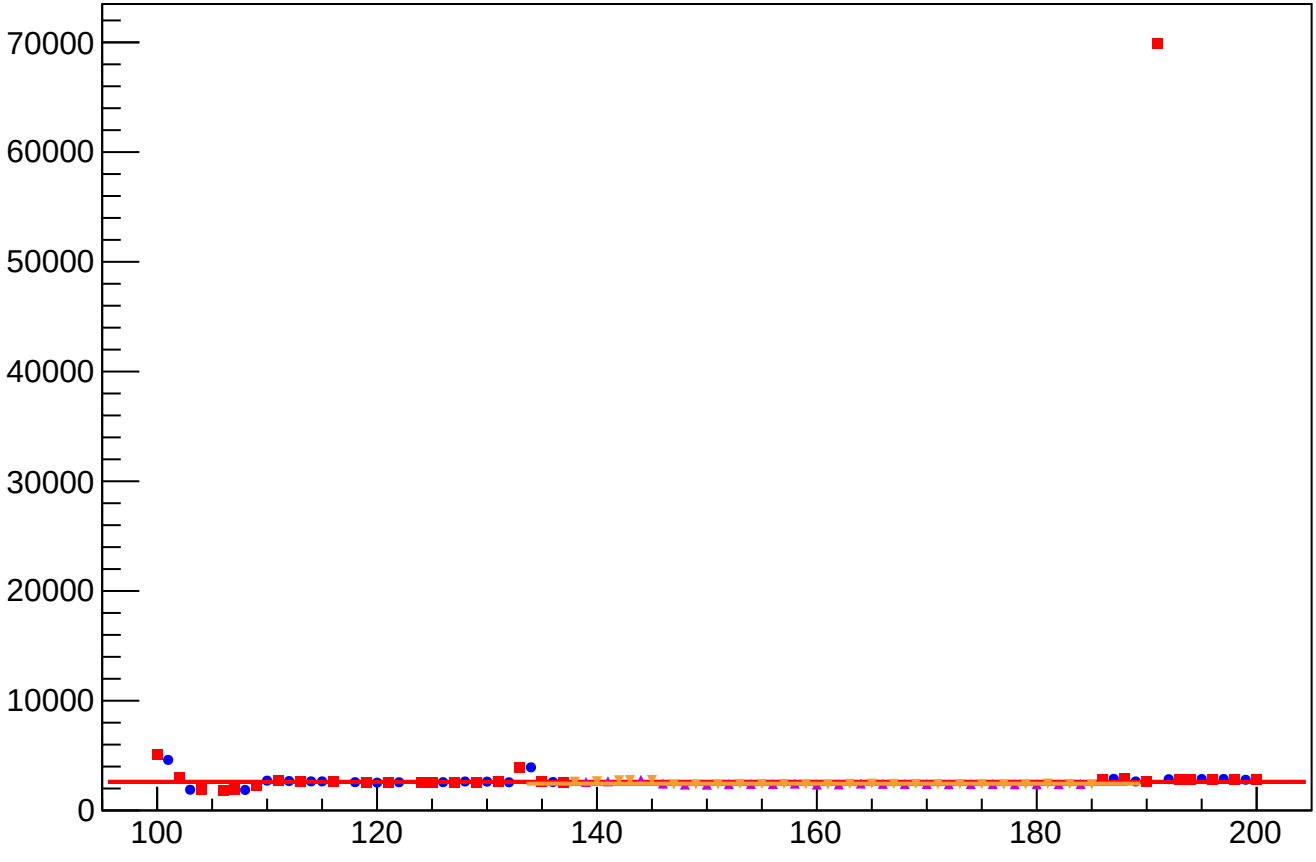
Right: 2539.963+/-529.963 χ^2/NDF: 40.3/49

In: 3392.833+/-459.721 χ^2/NDF:24.1/44

Out: 1271.784+/-440.774 χ^2/NDF:55.3/52

All: 2287.698+/-318.162 χ^2/NDF: 90.5/97

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.881+/-0.551 χ^2/NDF: 686590.1/21

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

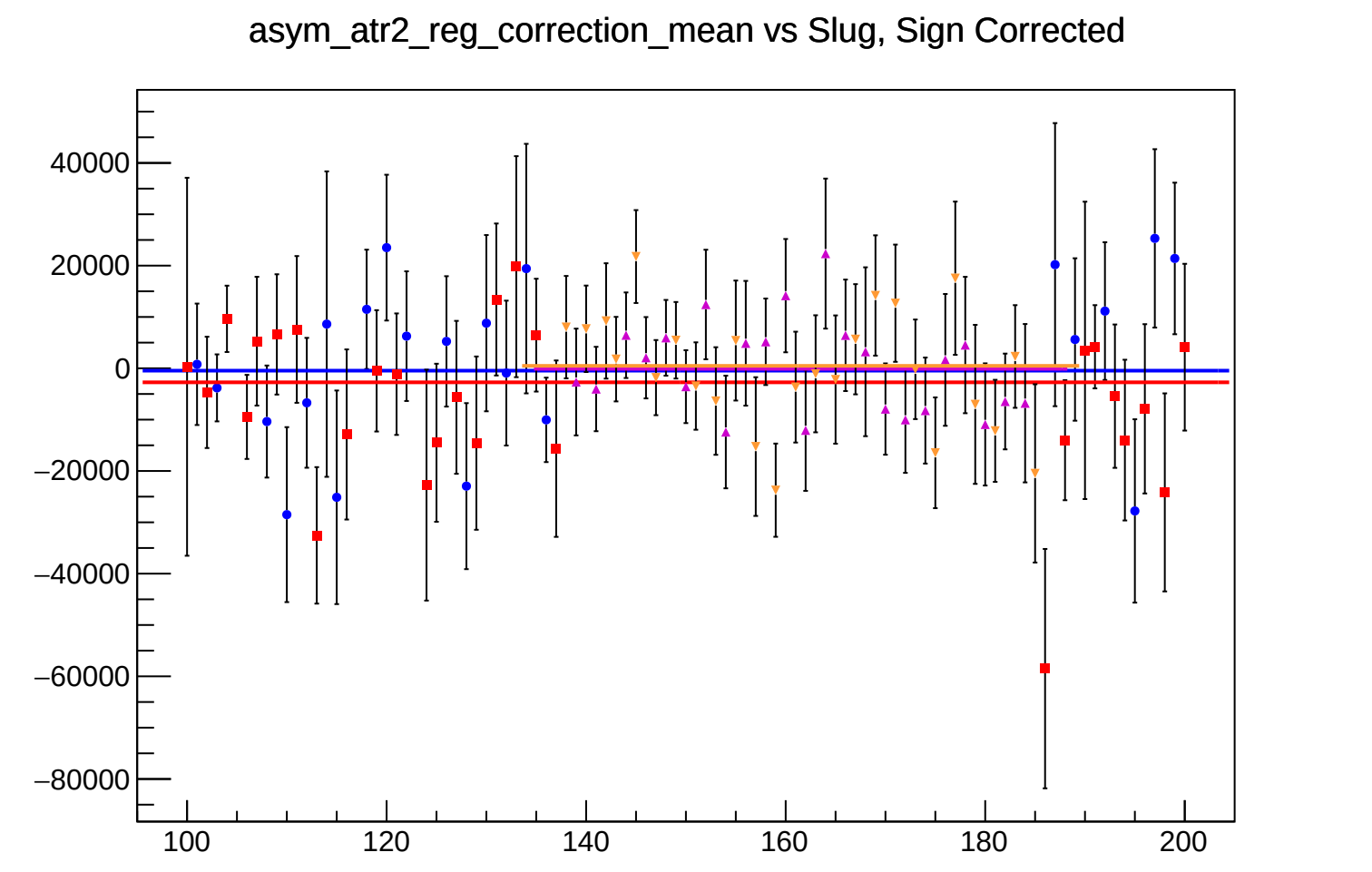
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2603.757+/-0.375 χ^2/NDF: 1406778.1/49

In: 2496.431+/-0.325 χ^2/NDF:810713.1/44

Out: 2502.631+/-0.312 χ^2/NDF:866032.8/52

All: 2499.662+/-0.225 χ^2/NDF: 1676935.5/97



Right In: -458.685+/-2799.207 χ^2/NDF: 22.4/21

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

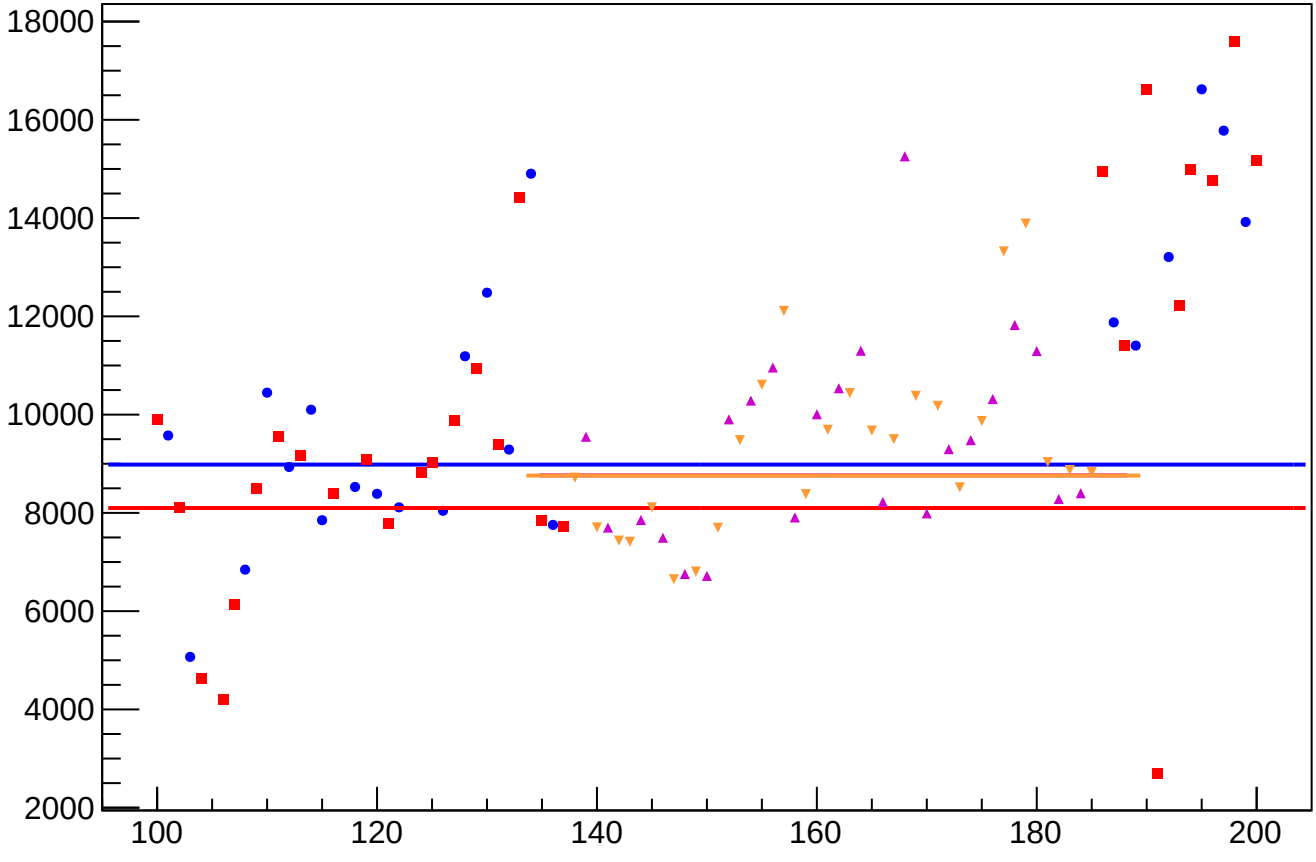
Right: -1749.548+/-1839.796 χ^2/NDF: 49.1/49

In: -231.636+/-1675.159 χ^2/NDF:36.9/44

Out: -839.051+/-1563.539 χ^2/NDF:54.8/52

All: -556.253+/-1143.014 χ^2/NDF: 91.7/97

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



Right In: 8983.047+/-1.979 χ^2/NDF: 2299130.8/21

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8099.216+/-1.726 χ^2/NDF: 4564973.5/27

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

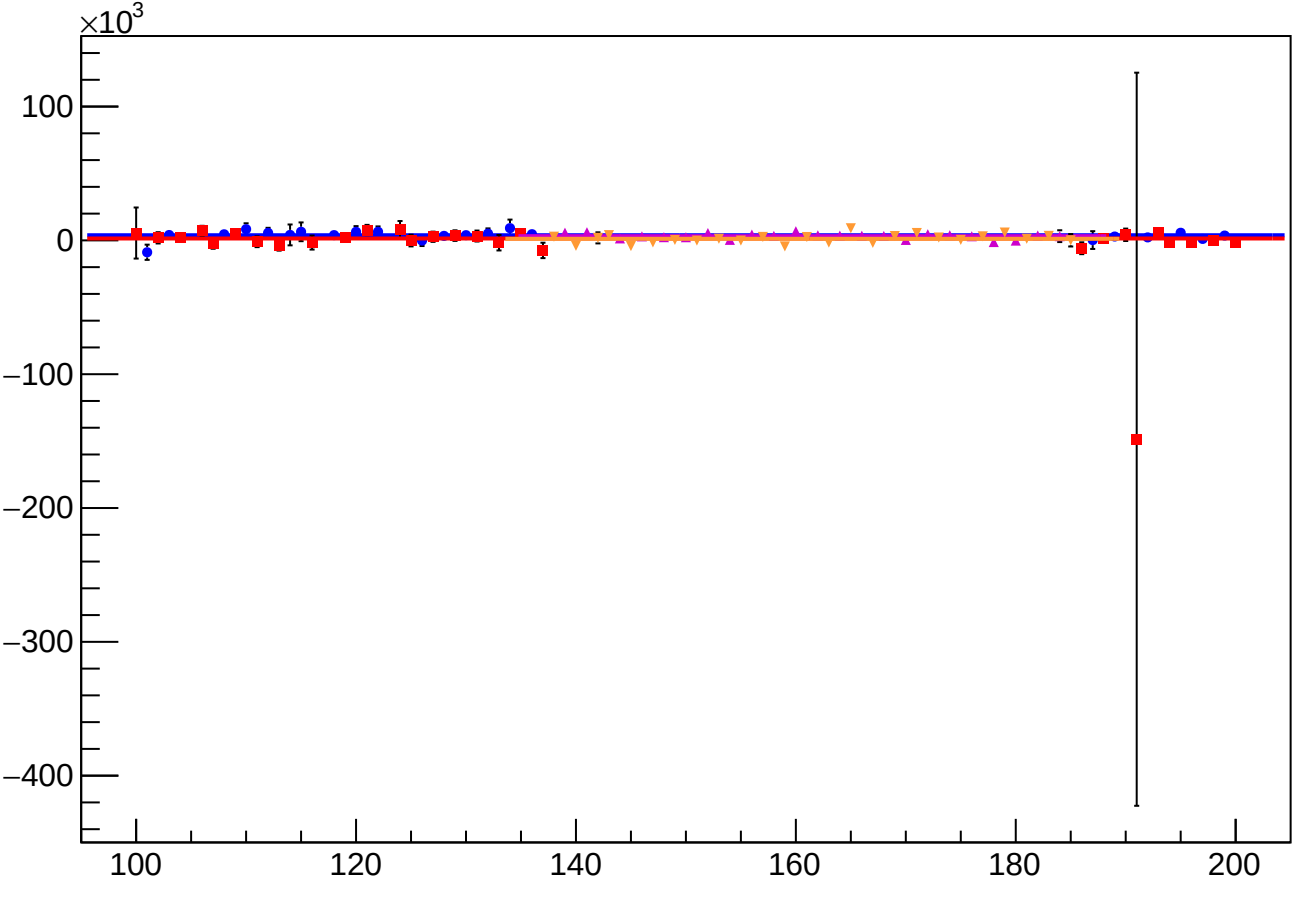
Right: 8481.018+/-1.301 χ^2/NDF: 6977359.6/49

In: 8842.536+/-1.185 χ^2/NDF:3598680.9/44

Out: 8488.704+/-1.106 χ^2/NDF:5873542.2/52

All: 8653.440+/-0.808 χ^2/NDF: 9519909.9/97

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

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

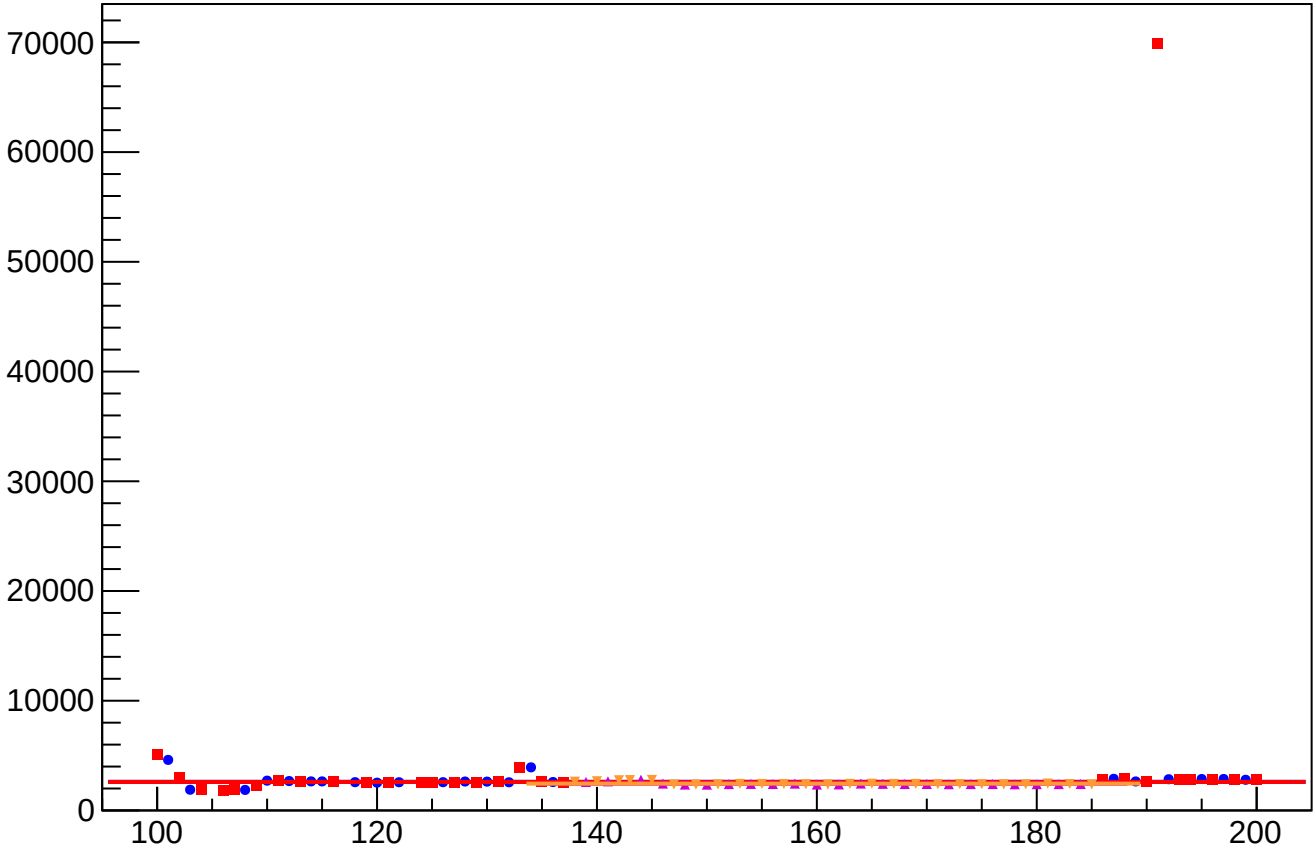
Right: 2540.062+/-529.964 χ^2/NDF: 40.3/49

In: 3392.615+/-459.722 χ^2/NDF:24.1/44

Out: 1271.824+/-440.775 χ^2/NDF:55.3/52

All: 2287.617+/-318.162 χ^2/NDF: 90.5/97

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

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

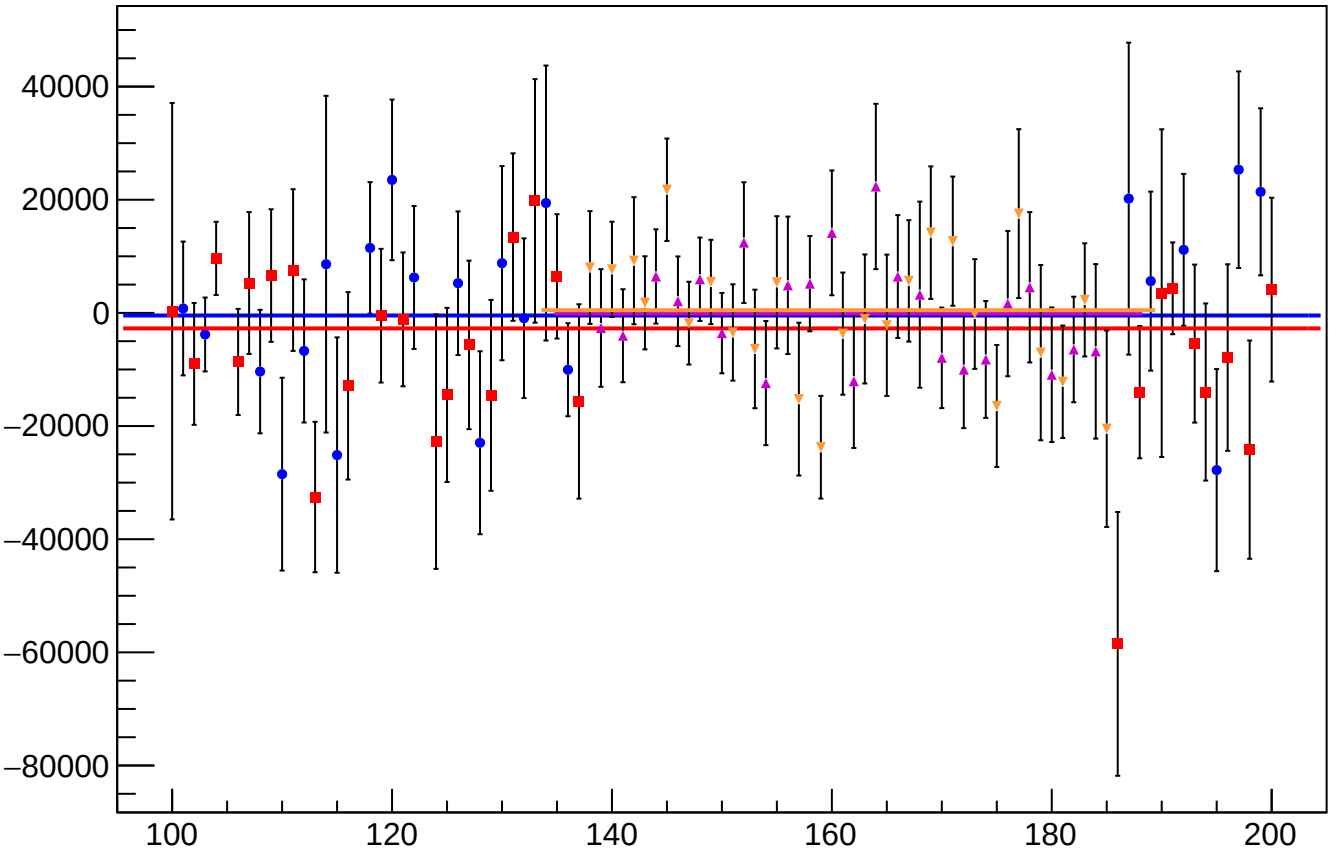
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2603.766+/-0.375 χ^2/NDF: 1406702.5/49

In: 2496.432+/-0.325 χ^2/NDF:810710.9/44

Out: 2502.637+/-0.312 χ^2/NDF:865972.2/52

All: 2499.665+/-0.225 χ^2/NDF: 1676873.0/97



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

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

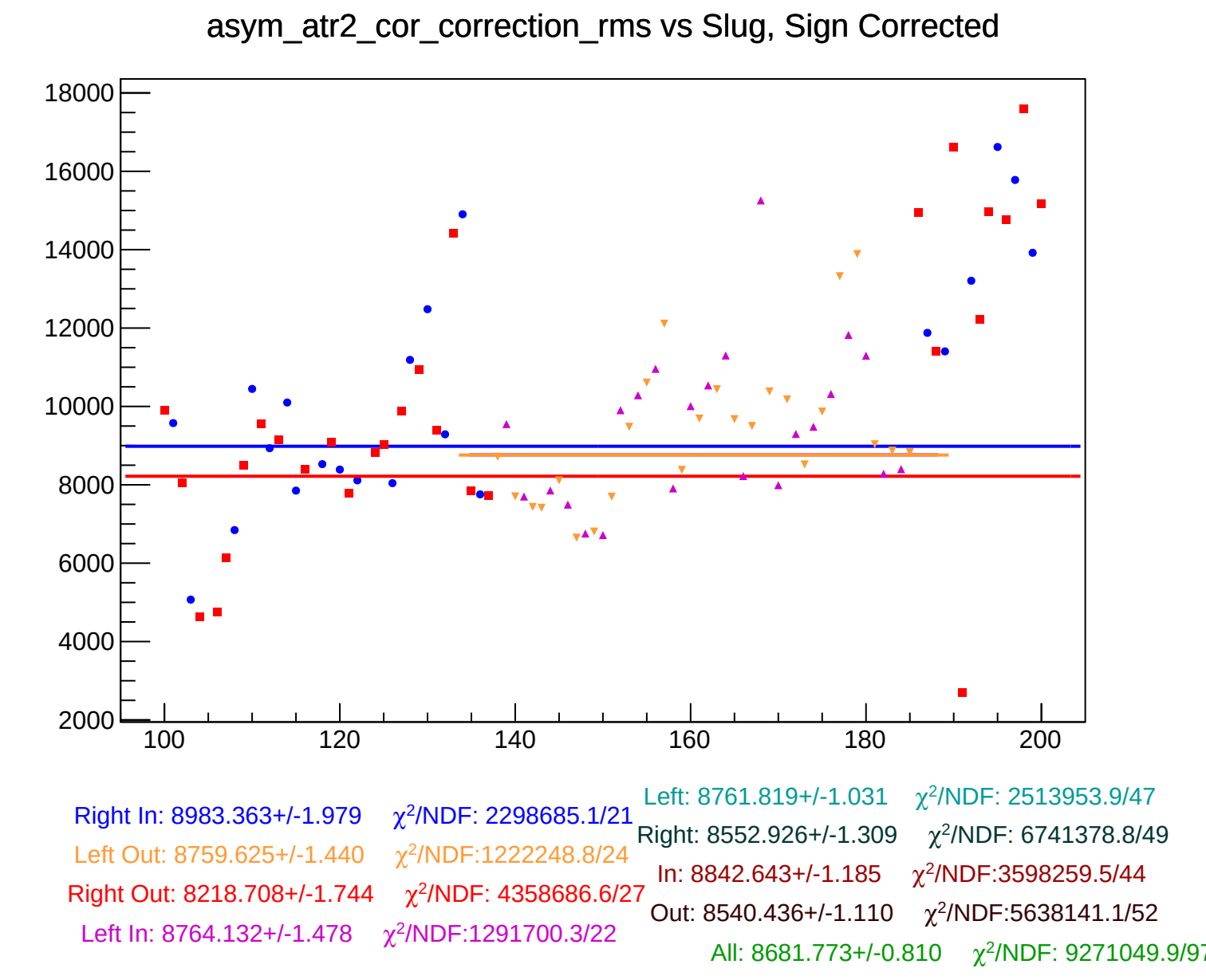
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

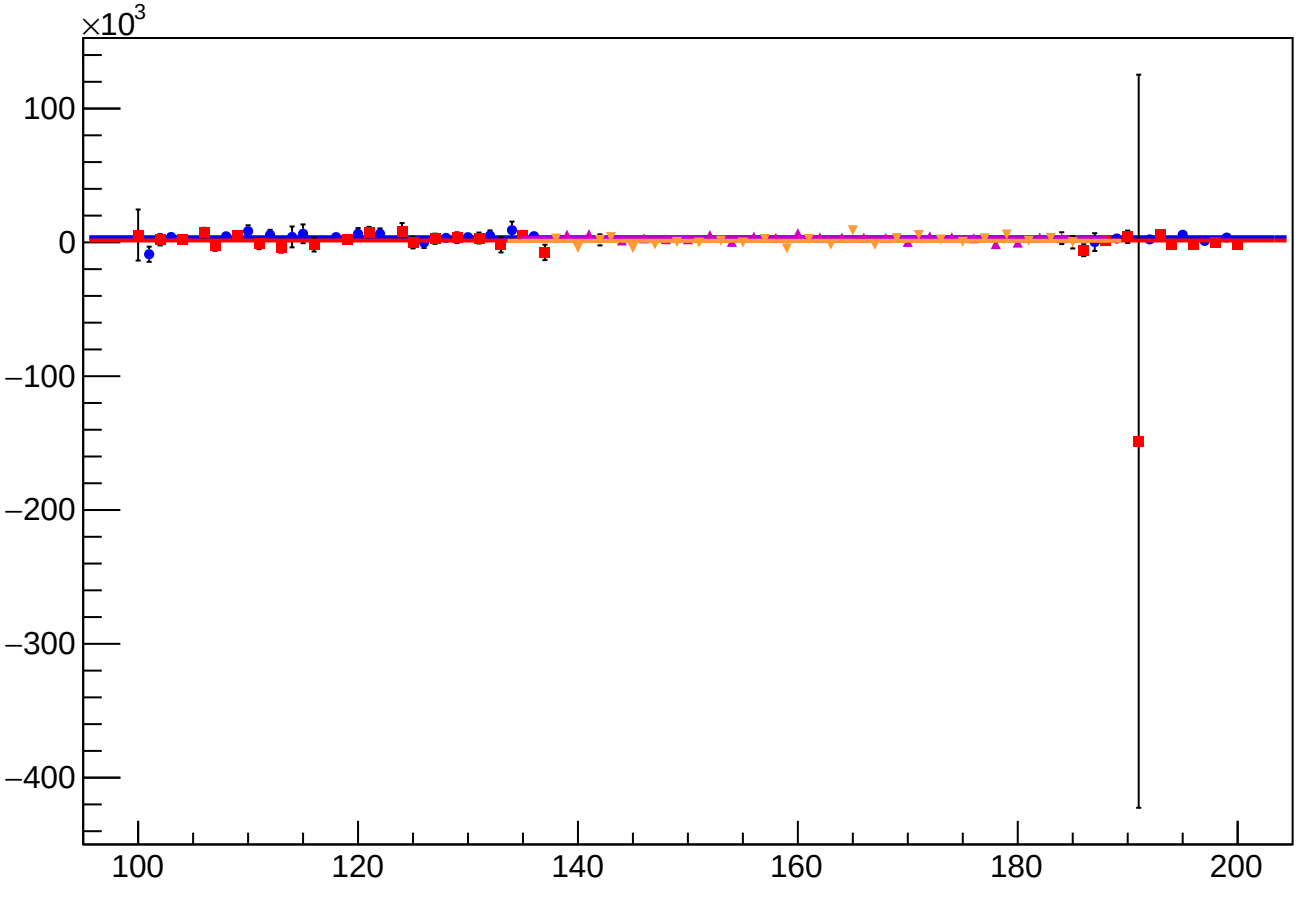
Right: -1746.053+/-1850.664 χ^2/NDF: 49.2/49

In: -231.558+/-1675.173 χ^2/NDF:36.9/44

Out: -828.860+/-1570.181 χ^2/NDF:54.8/52

All: -549.512+/-1145.606 χ^2/NDF: 91.8/97


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 8983.363+/-1.979 χ²/NDF: 2298685.1/21
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: 8552.926+/-1.309 χ²/NDF: 6741378.8/49
In: 8842.643+/-1.185 χ²/NDF:3598259.5/44
Out: 8540.436+/-1.110 χ²/NDF:5638141.1/52
All: 8681.773+/-0.810 χ²/NDF: 9271049.9/97



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

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

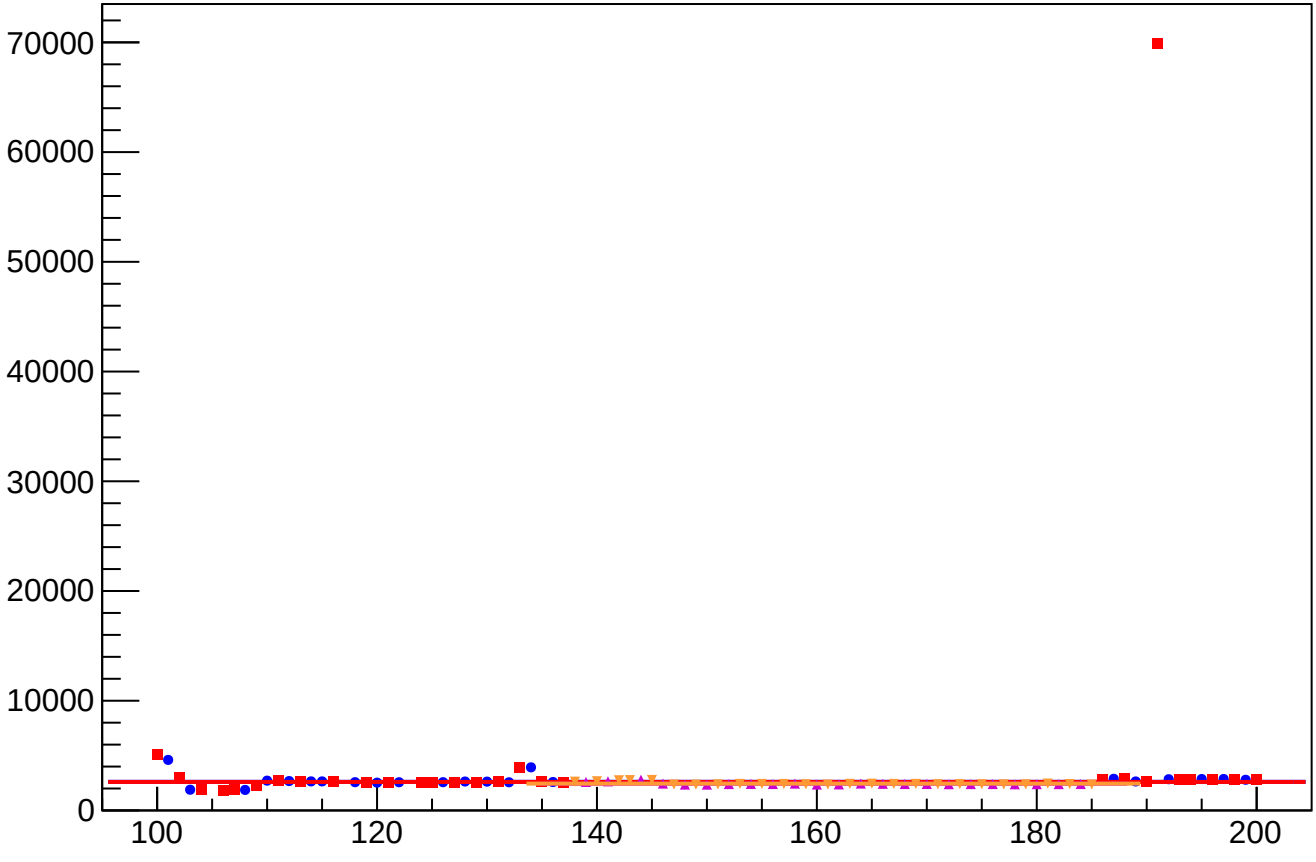
Right: 2540.062+/-529.964 χ^2/NDF: 40.3/49

In: 3392.615+/-459.722 χ^2/NDF:24.1/44

Out: 1271.824+/-440.775 χ^2/NDF:55.3/52

All: 2287.617+/-318.162 χ^2/NDF: 90.5/97

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

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

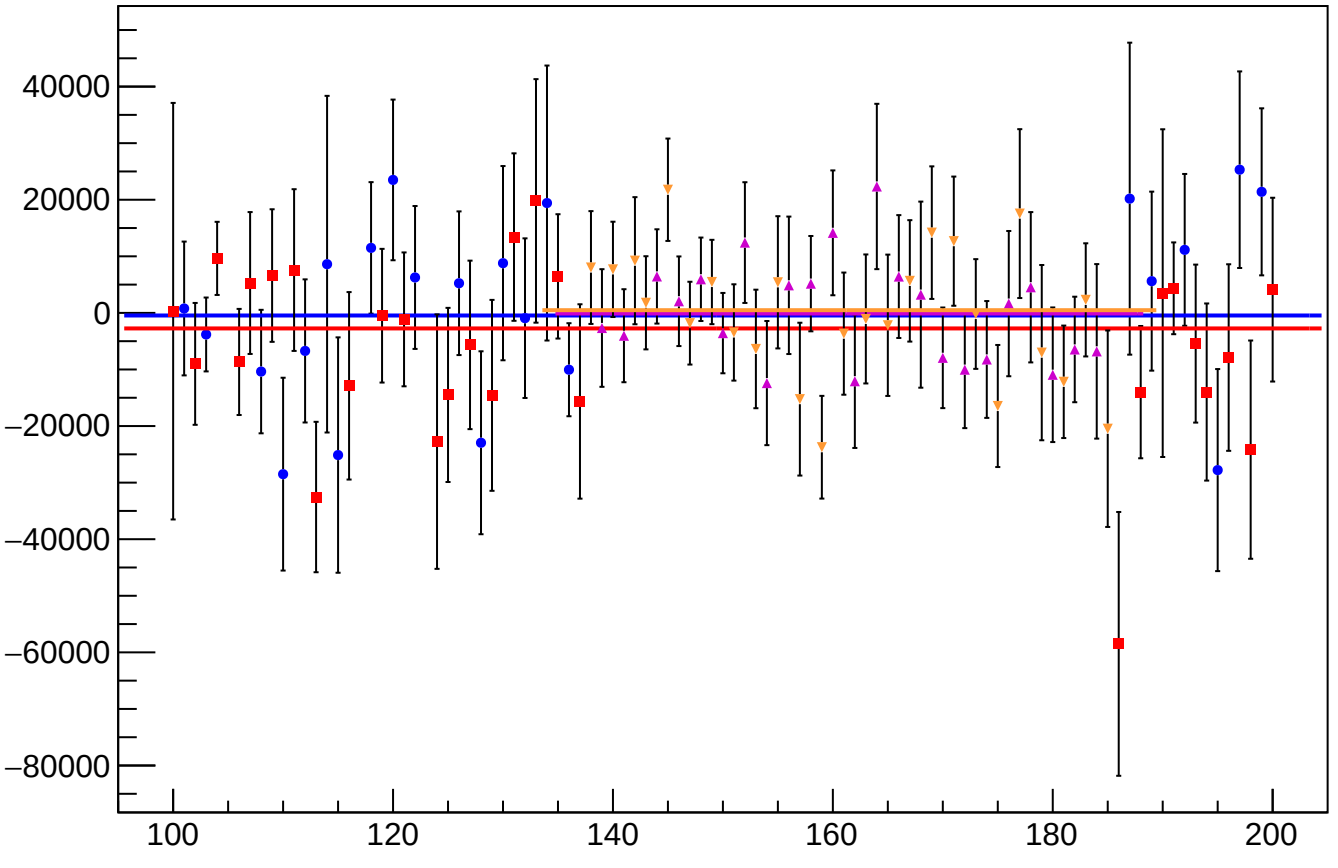
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2603.766+/-0.375 χ^2/NDF: 1406702.5/49

In: 2496.432+/-0.325 χ^2/NDF:810710.9/44

Out: 2502.637+/-0.312 χ^2/NDF:865972.2/52

All: 2499.665+/-0.225 χ^2/NDF: 1676873.0/97



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

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

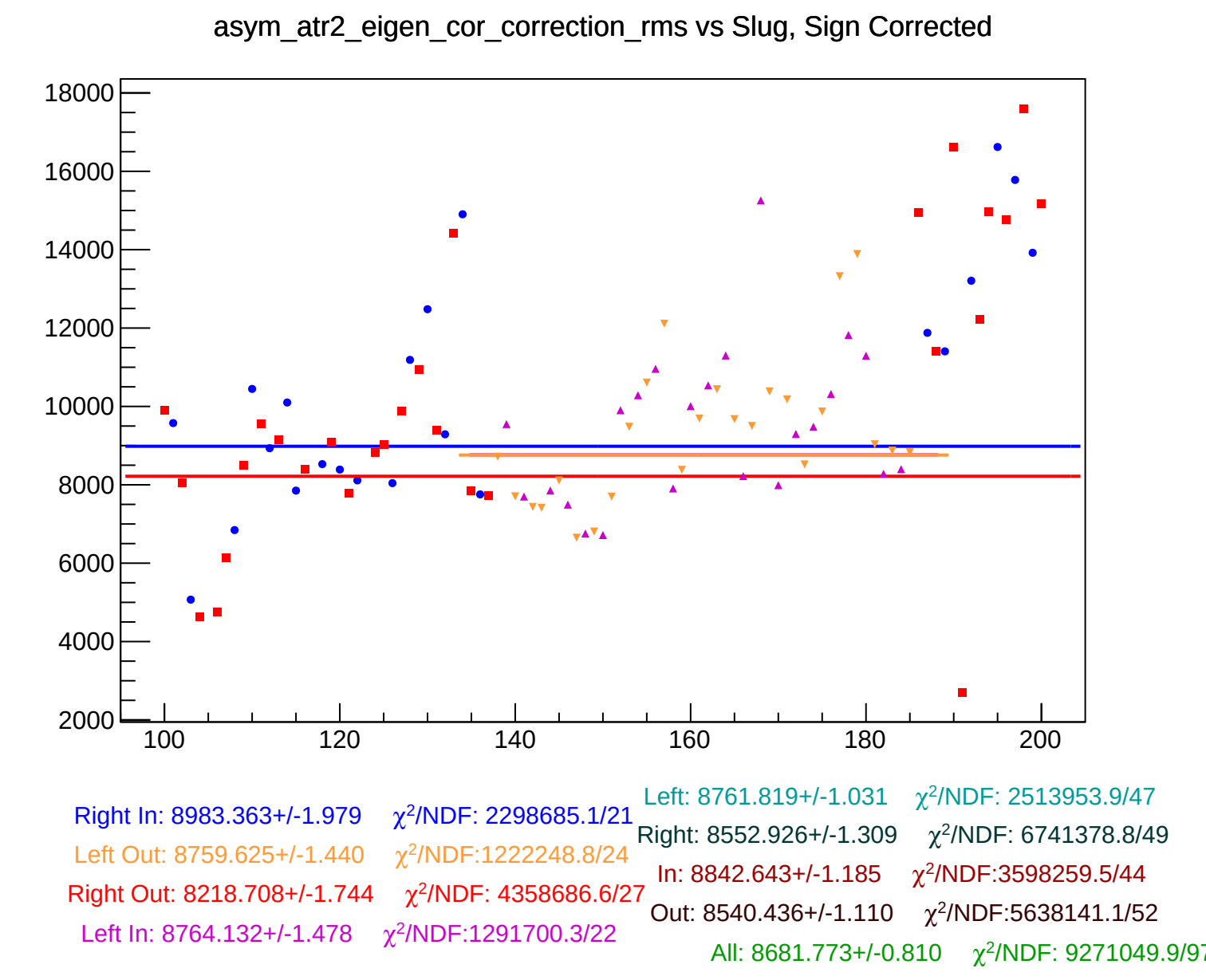
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

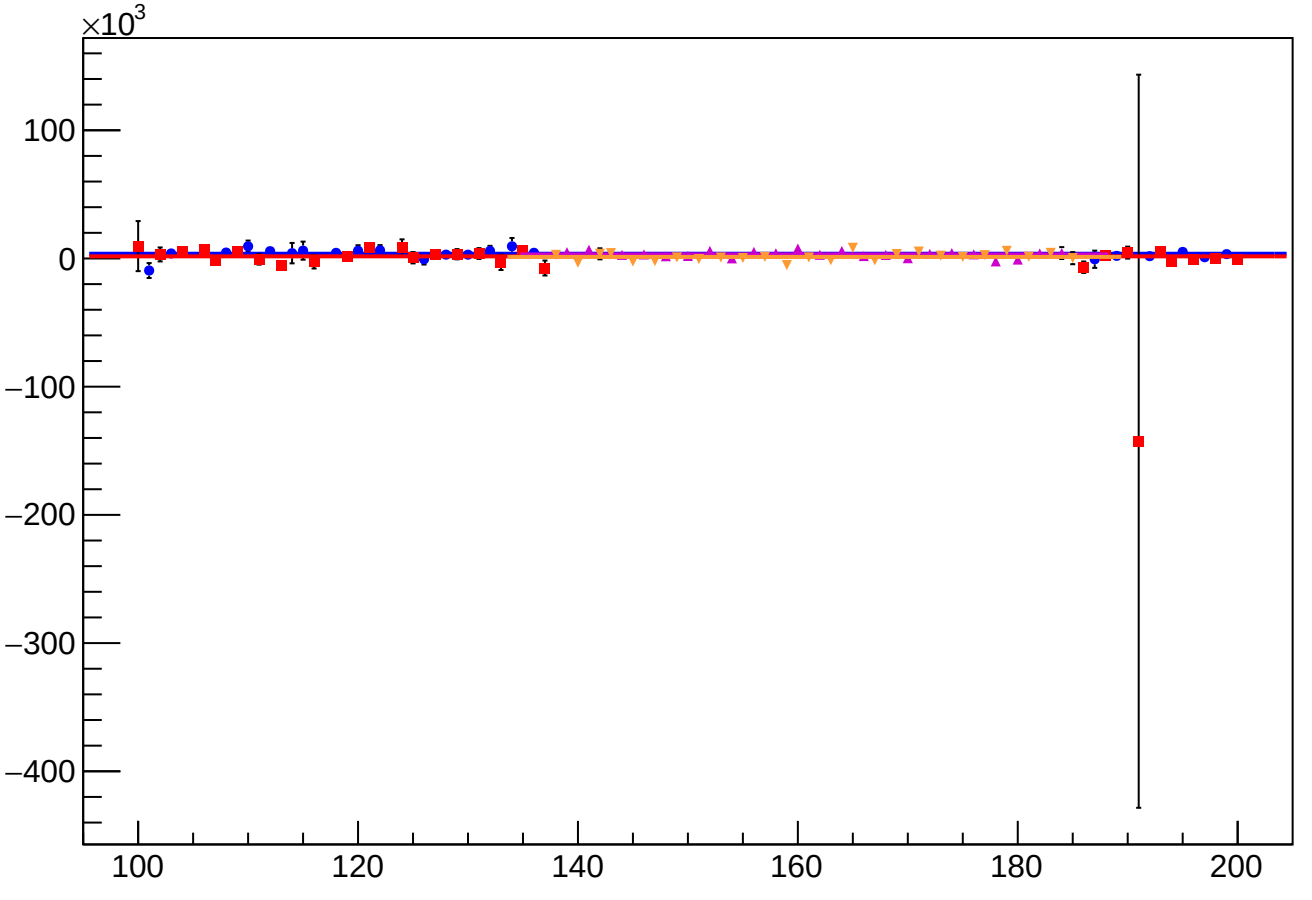
Right: -1746.053+/-1850.664 χ^2/NDF: 49.2/49

In: -231.558+/-1675.173 χ^2/NDF:36.9/44

Out: -828.860+/-1570.181 χ^2/NDF:54.8/52

All: -549.512+/-1145.606 χ^2/NDF: 91.8/97


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: 8983.363+/-1.979 χ²/NDF: 2298685.1/21
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: 8552.926+/-1.309 χ²/NDF: 6741378.8/49
In: 8842.643+/-1.185 χ²/NDF:3598259.5/44
Out: 8540.436+/-1.110 χ²/NDF:5638141.1/52
All: 8681.773+/-0.810 χ²/NDF: 9271049.9/97



Right In: 3692.101+/-807.126 χ^2/NDF: 12.3/21

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

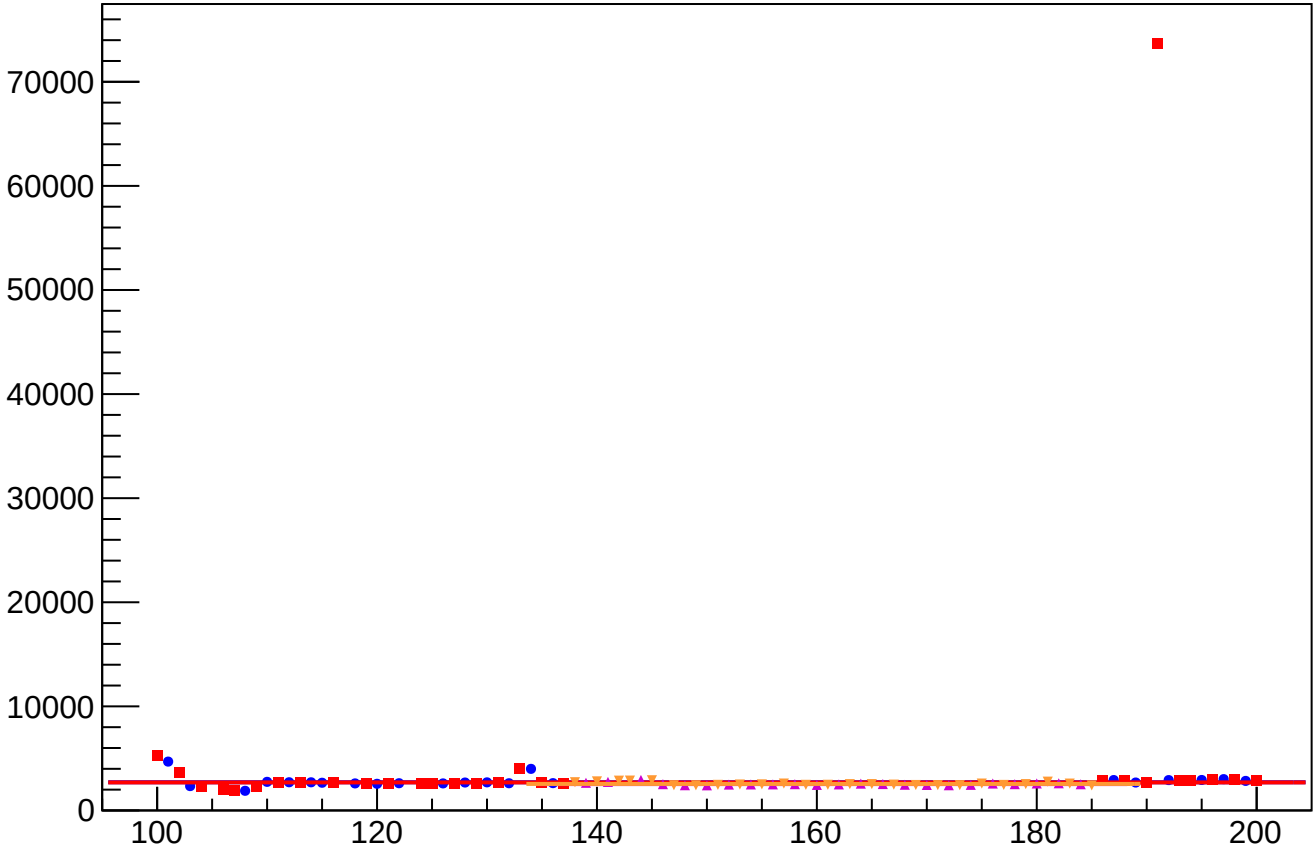
Right: 2596.337+/-549.090 χ^2/NDF: 43.1/49

In: 3339.845+/-477.422 χ^2/NDF:29.1/44

Out: 1378.062+/-458.469 χ^2/NDF:54.4/52

All: 2319.240+/-330.684 χ^2/NDF: 92.2/97

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2709.970+/-0.571 χ^2/NDF: 543929.9/21

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

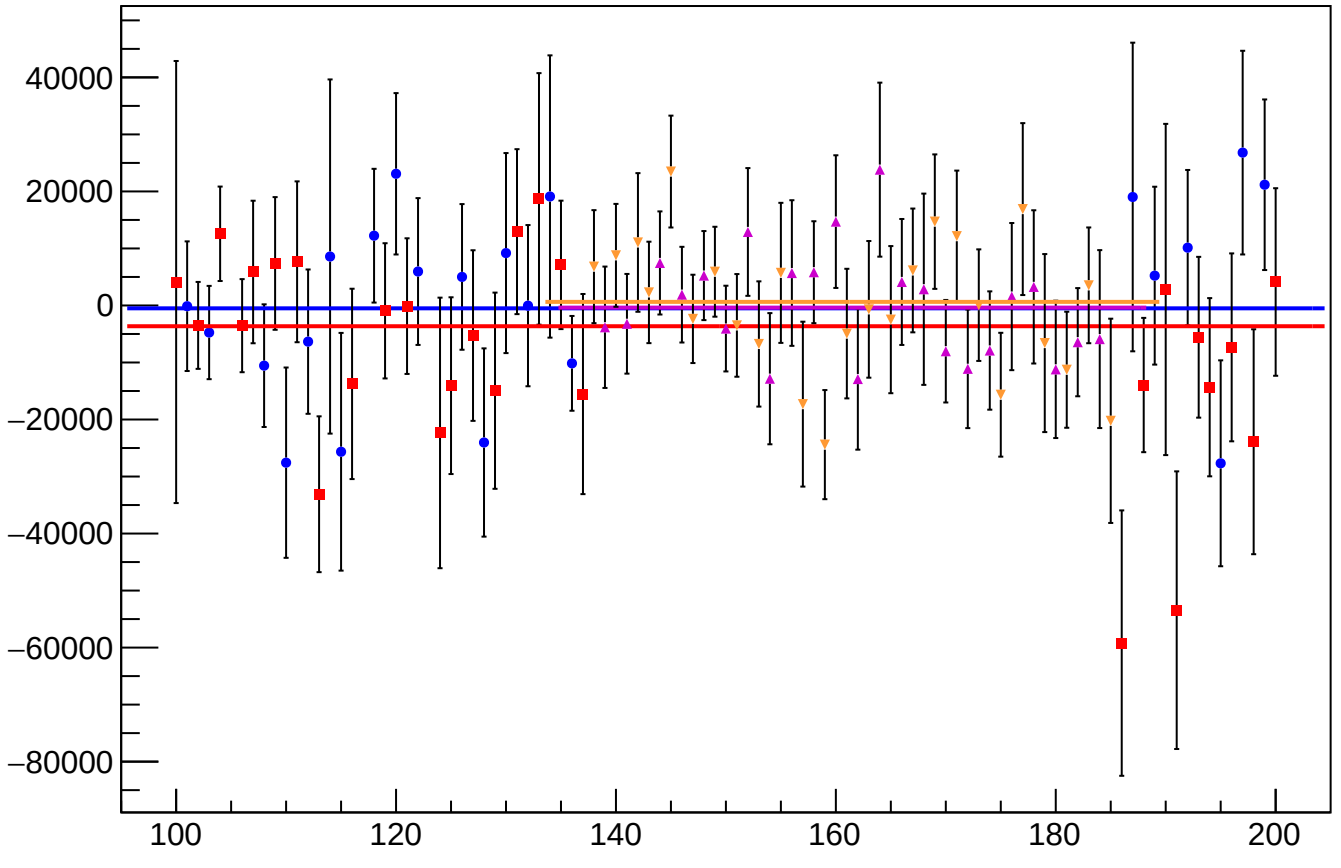
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2701.036+/-0.388 χ^2/NDF: 1171386.7/49

In: 2594.771+/-0.338 χ^2/NDF:675040.5/44

Out: 2601.928+/-0.324 χ^2/NDF:791955.7/52

All: 2598.494+/-0.234 χ^2/NDF: 1467230.1/97



Right In: -501.479+/-2905.111 χ^2/NDF: 22.2/21

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

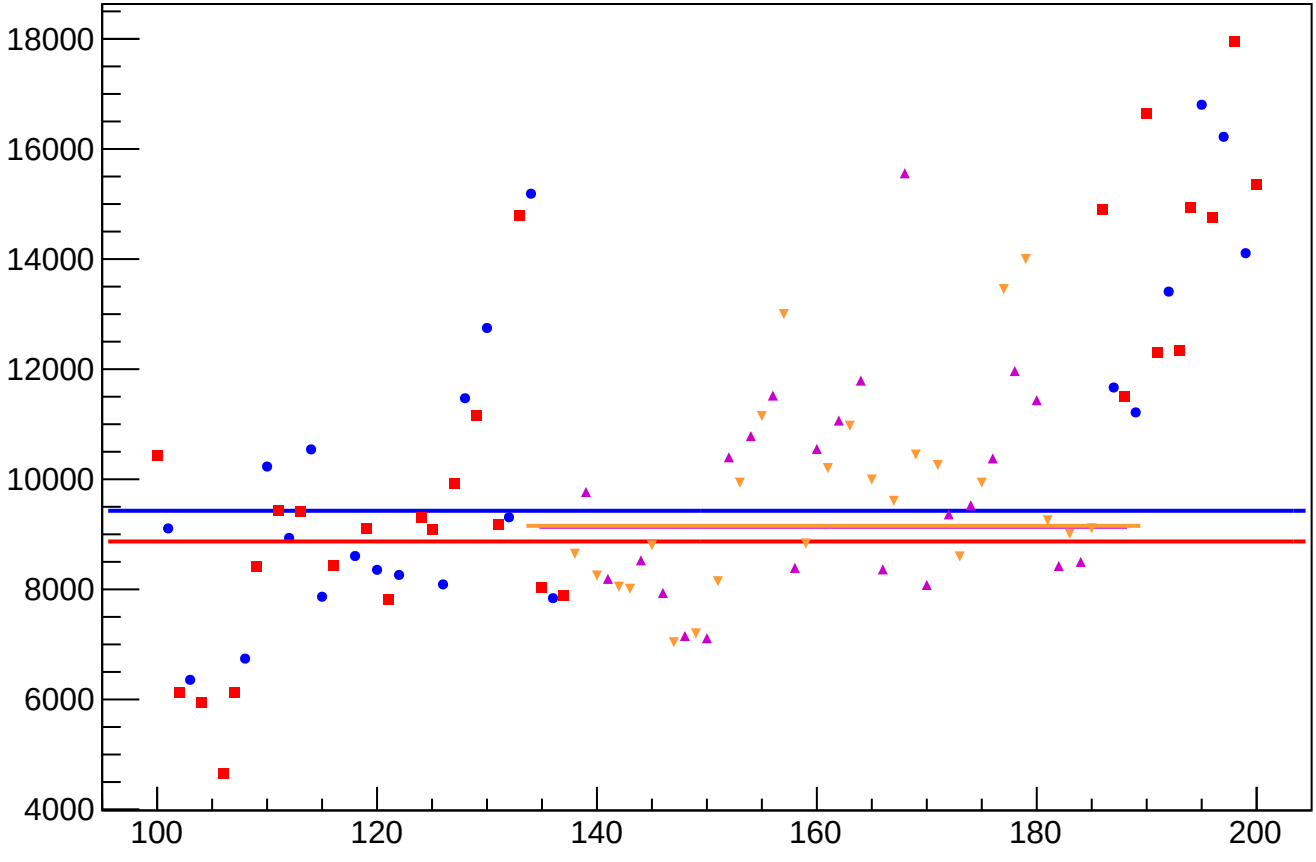
Right: -2266.723+/-1922.191 χ^2/NDF: 51.8/49

In: -422.338+/-1741.793 χ^2/NDF:36.5/44

Out: -1106.922+/-1635.151 χ^2/NDF:57.2/52

All: -786.227+/-1192.145 χ^2/NDF: 93.7/97

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 9427.817+/-2.054 χ^2/NDF: 1802527.0/21

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

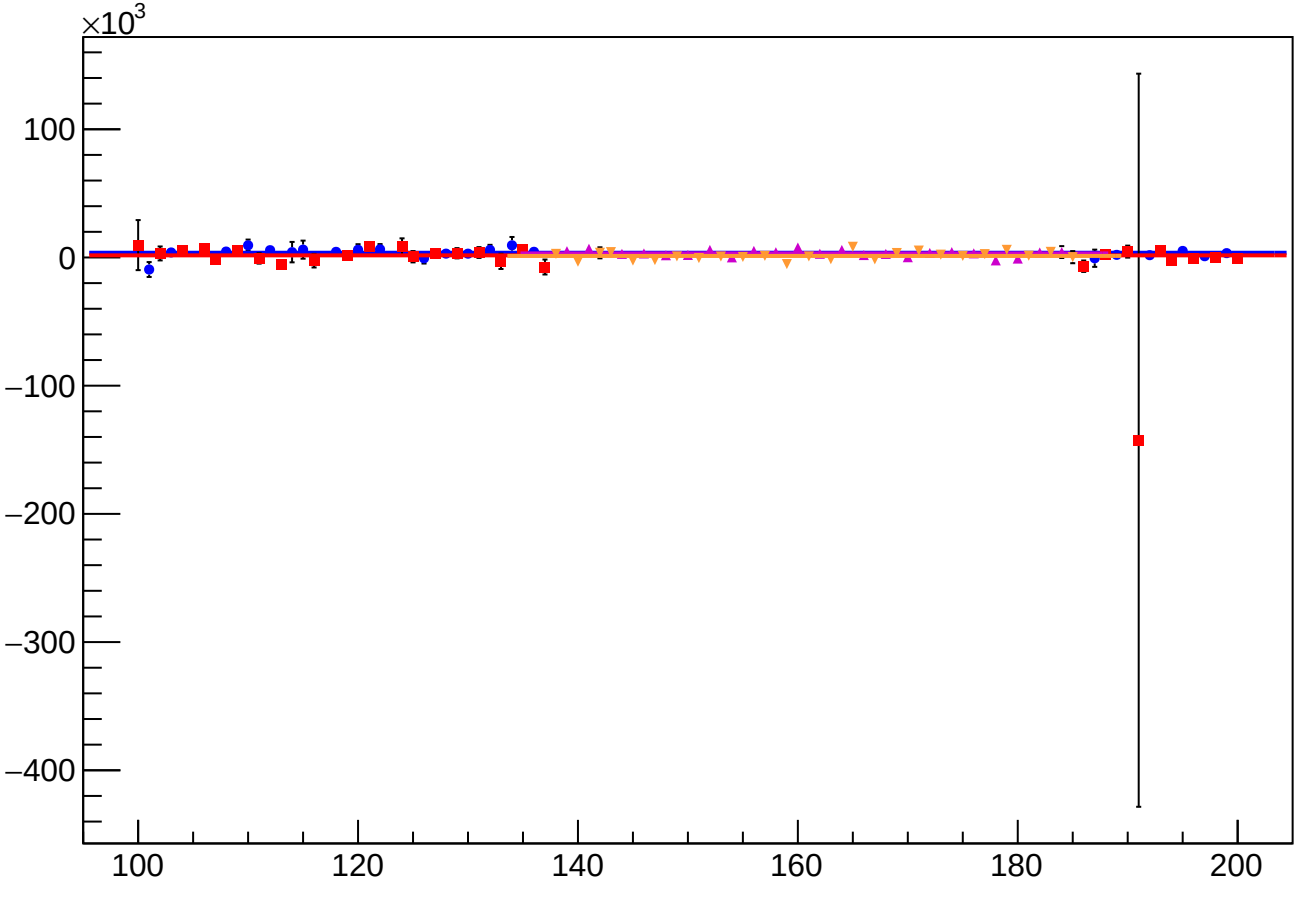
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9114.358+/-1.359 χ^2/NDF: 5052999.8/49

In: 9241.910+/-1.232 χ^2/NDF:2988105.9/44

Out: 9038.975+/-1.156 χ^2/NDF:4295733.2/52

All: 9134.041+/-0.843 χ^2/NDF: 7298270.1/97



Right In: 3692.106+/-807.126 χ^2/NDF: 12.3/21

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

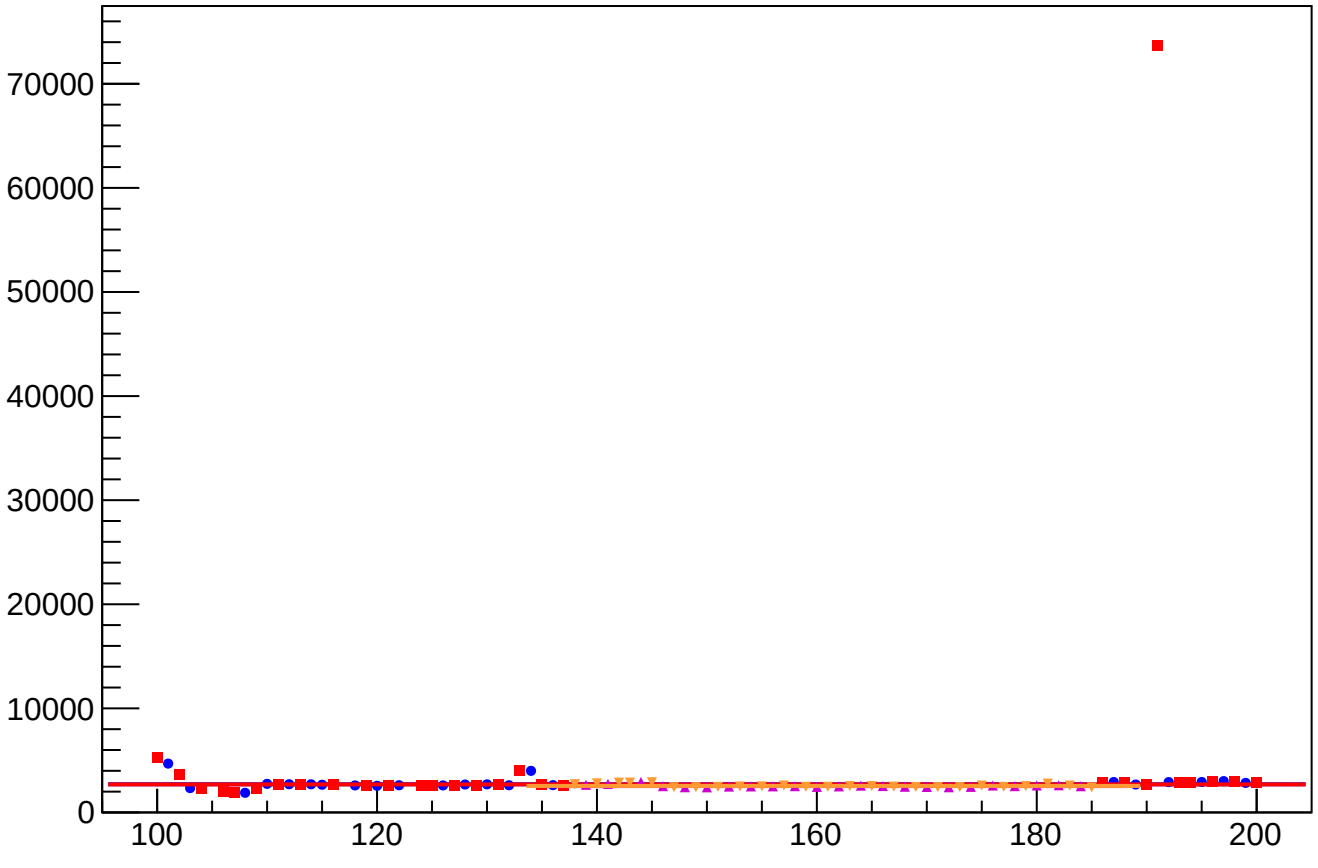
Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

Right: 2596.342+/-549.090 χ^2/NDF: 43.1/49

In: 3339.846+/-477.423 χ^2/NDF:29.1/44

Out: 1378.058+/-458.469 χ^2/NDF:54.4/52

All: 2319.238+/-330.684 χ^2/NDF: 92.2/97



Right In: 2709.969+/-0.571 χ^2/NDF: 543930.4/21

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

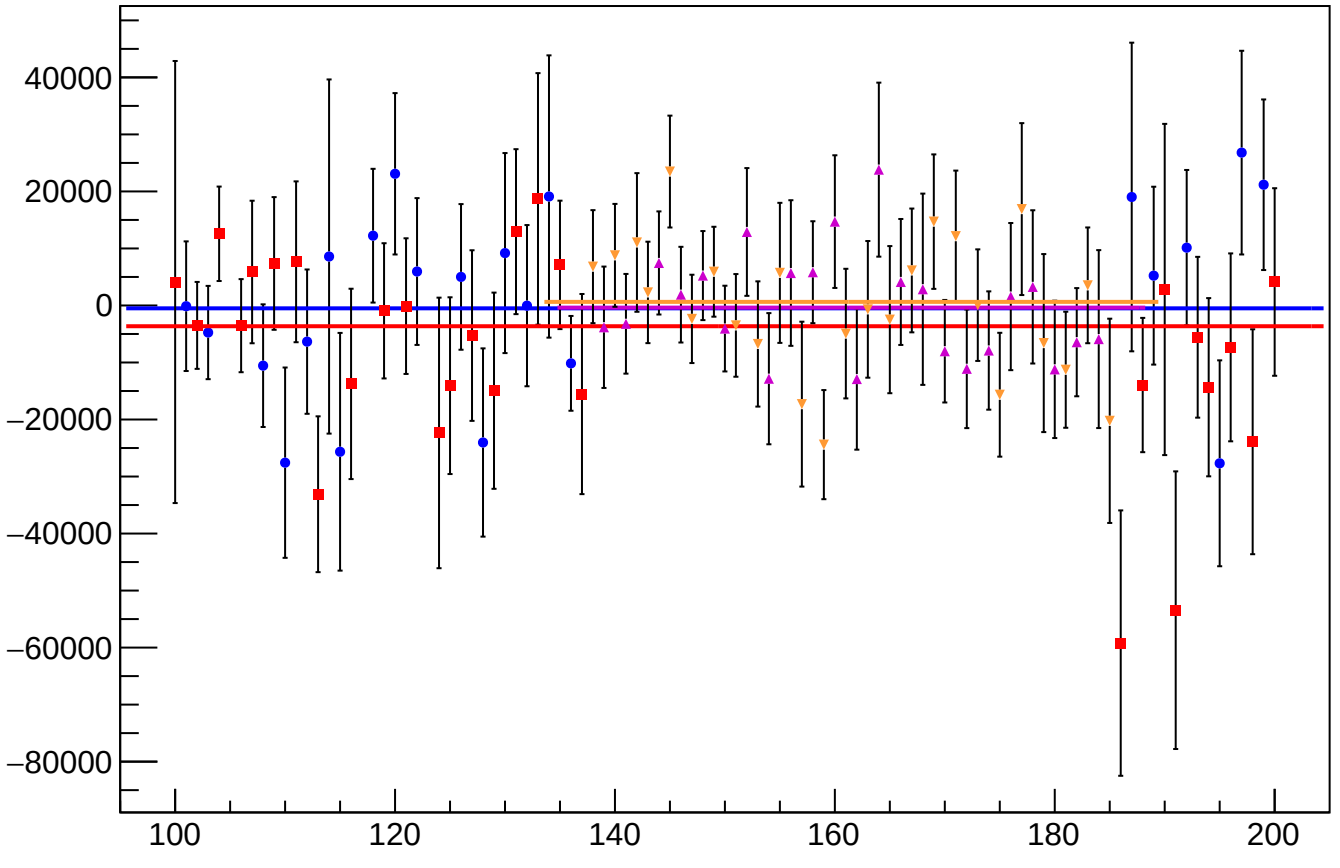
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2701.036+/-0.388 χ^2/NDF: 1171387.0/49

In: 2594.772+/-0.338 χ^2/NDF:675038.9/44

Out: 2601.929+/-0.324 χ^2/NDF:791954.5/52

All: 2598.495+/-0.234 χ^2/NDF: 1467227.3/97



Right In: -501.456+/-2905.108 χ^2/NDF: 22.2/21

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

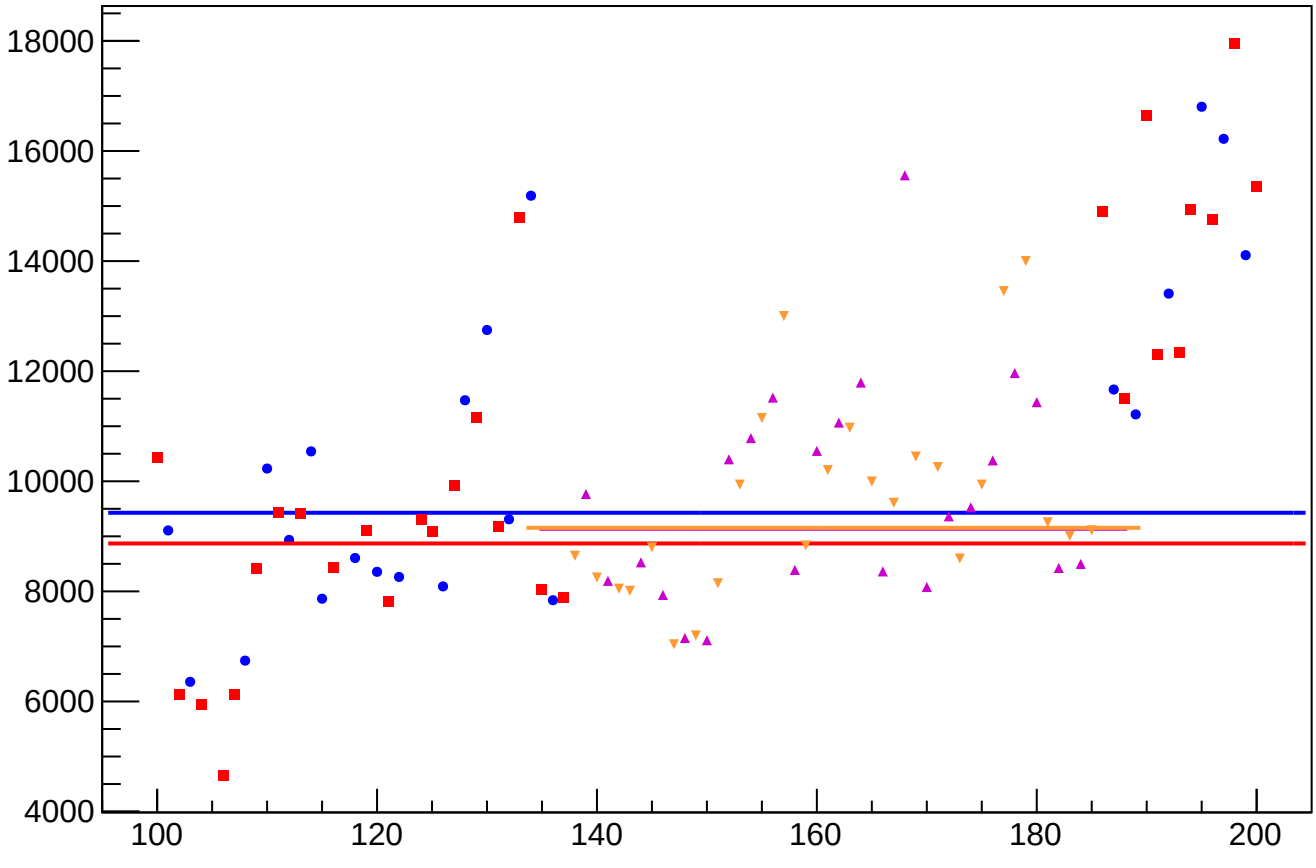
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2266.708+/-1922.189 χ^2/NDF: 51.8/49

In: -422.333+/-1741.794 χ^2/NDF:36.5/44

Out: -1106.926+/-1635.152 χ^2/NDF:57.2/52

All: -786.227+/-1192.146 χ^2/NDF: 93.7/97



Right In: 9427.808+/-2.054 χ^2/NDF: 1802531.0/21

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

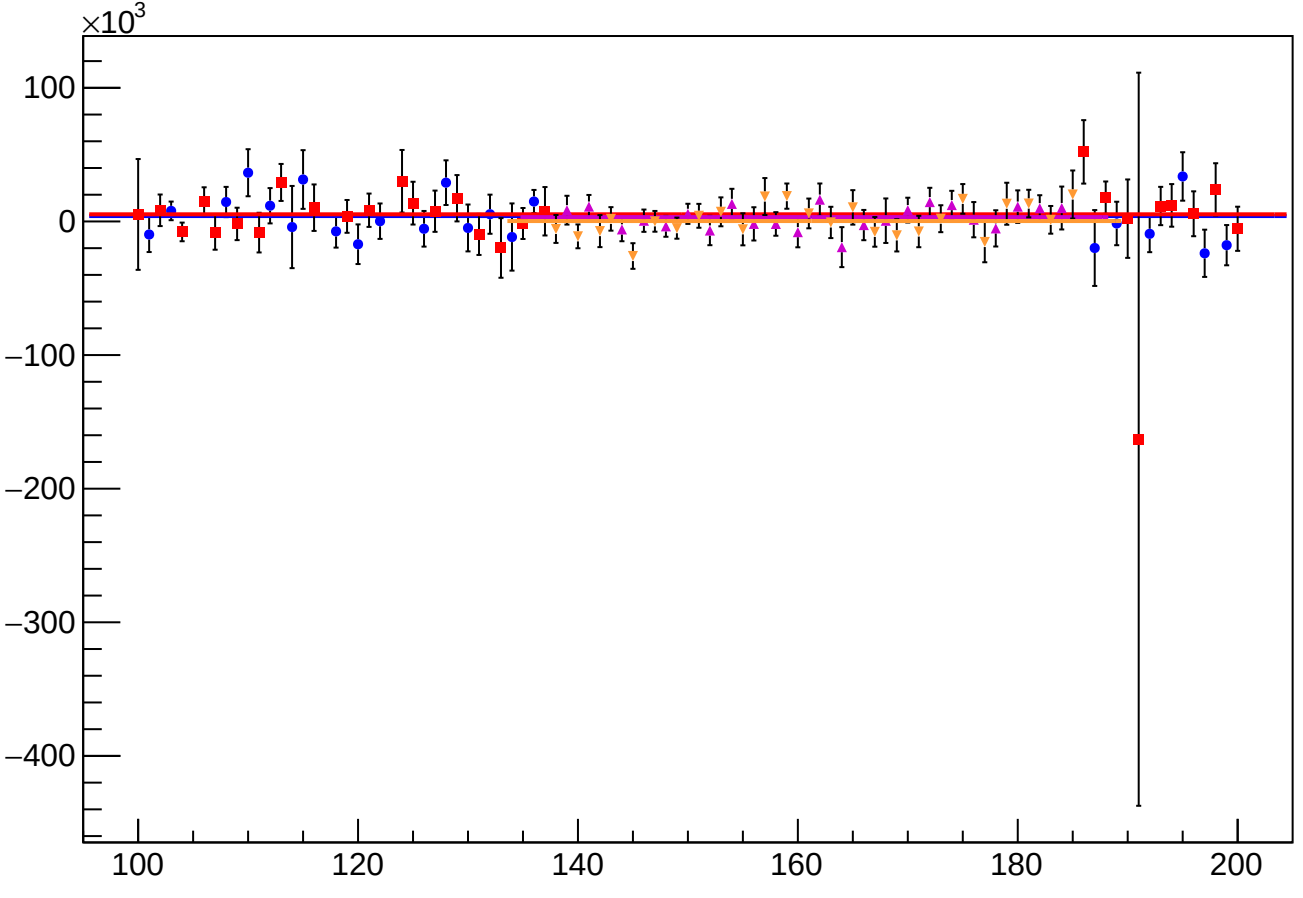
Right: 9114.347+/-1.359 χ^2/NDF: 5053013.0/49

In: 9241.916+/-1.232 χ^2/NDF:2988111.7/44

Out: 9038.979+/-1.156 χ^2/NDF:4295746.7/52

All: 9134.045+/-0.843 χ^2/NDF: 7298289.6/97

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4035.638+/-2932.836 χ^2/NDF: 24.6/21

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

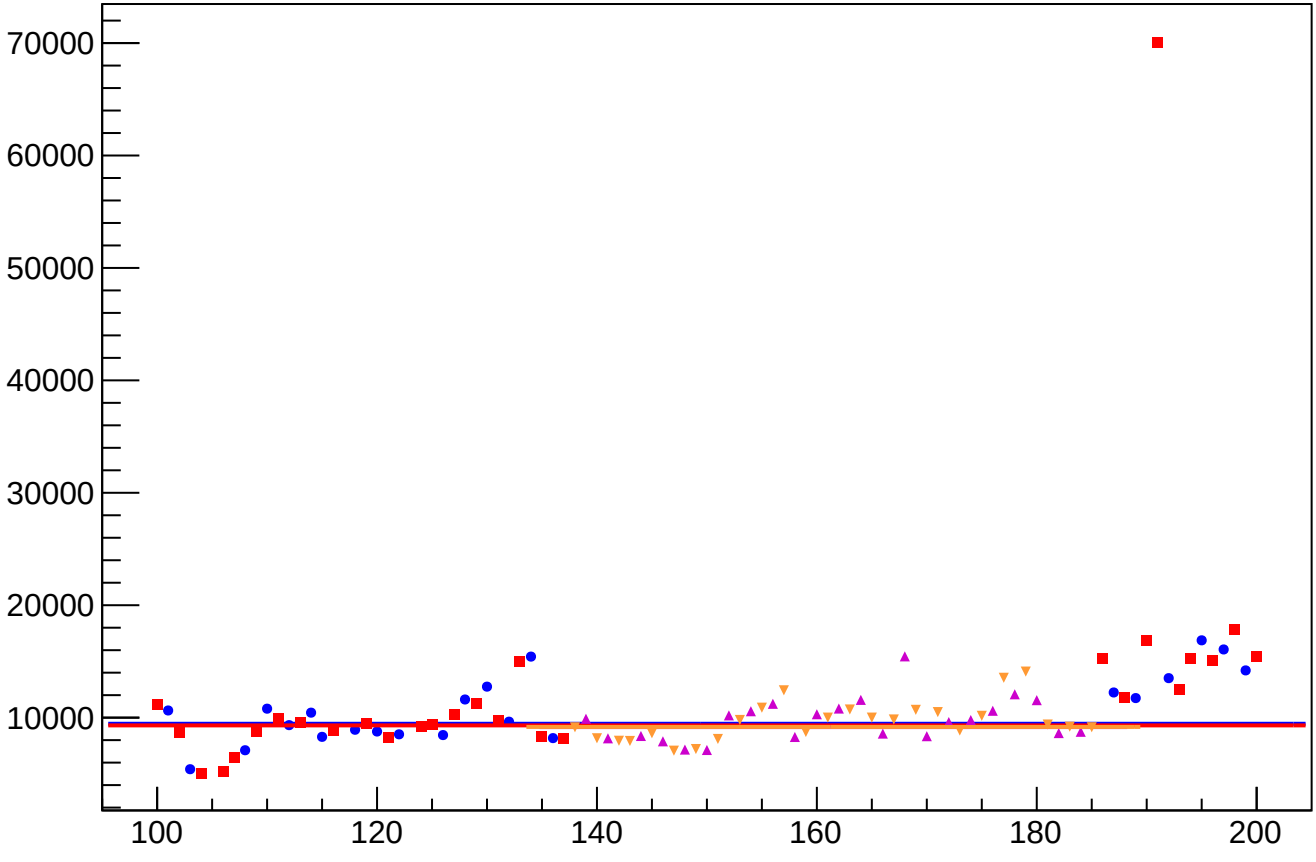
Right: 4738.876+/-1996.551 χ^2/NDF: 46.1/49

In: 3519.046+/-1749.524 χ^2/NDF:38.2/44

Out: 2205.049+/-1676.052 χ^2/NDF:49.9/52

All: 2833.878+/-1210.289 χ^2/NDF: 88.4/97

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9454.667+/-2.074 χ^2/NDF: 2132286.6/21

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

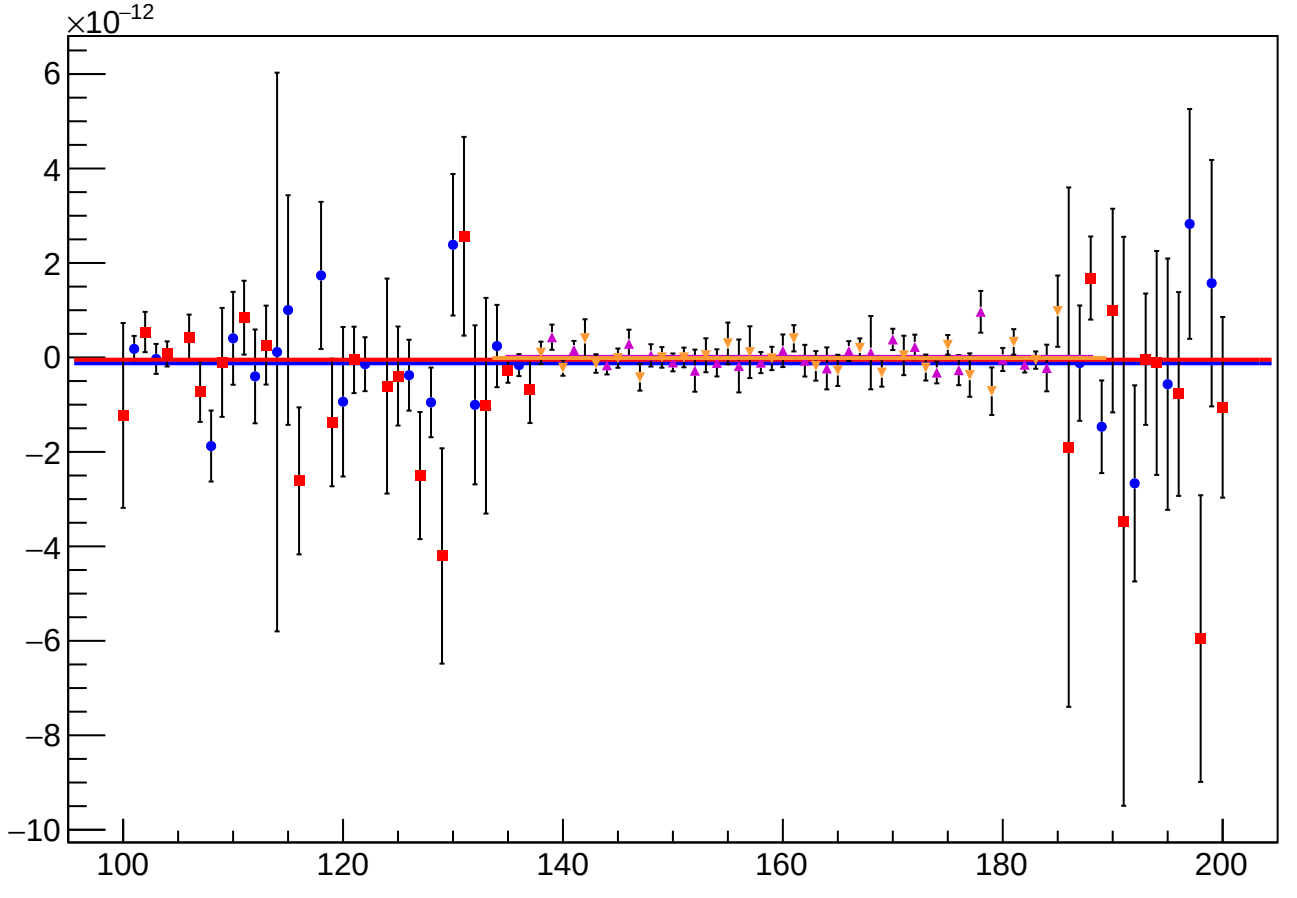
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9377.690+/-1.412 χ^2/NDF: 5255917.0/49

In: 9266.323+/-1.237 χ^2/NDF:3272624.8/44

Out: 9225.154+/-1.185 χ^2/NDF:4181215.7/52

All: 9244.856+/-0.856 χ^2/NDF: 7454417.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

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

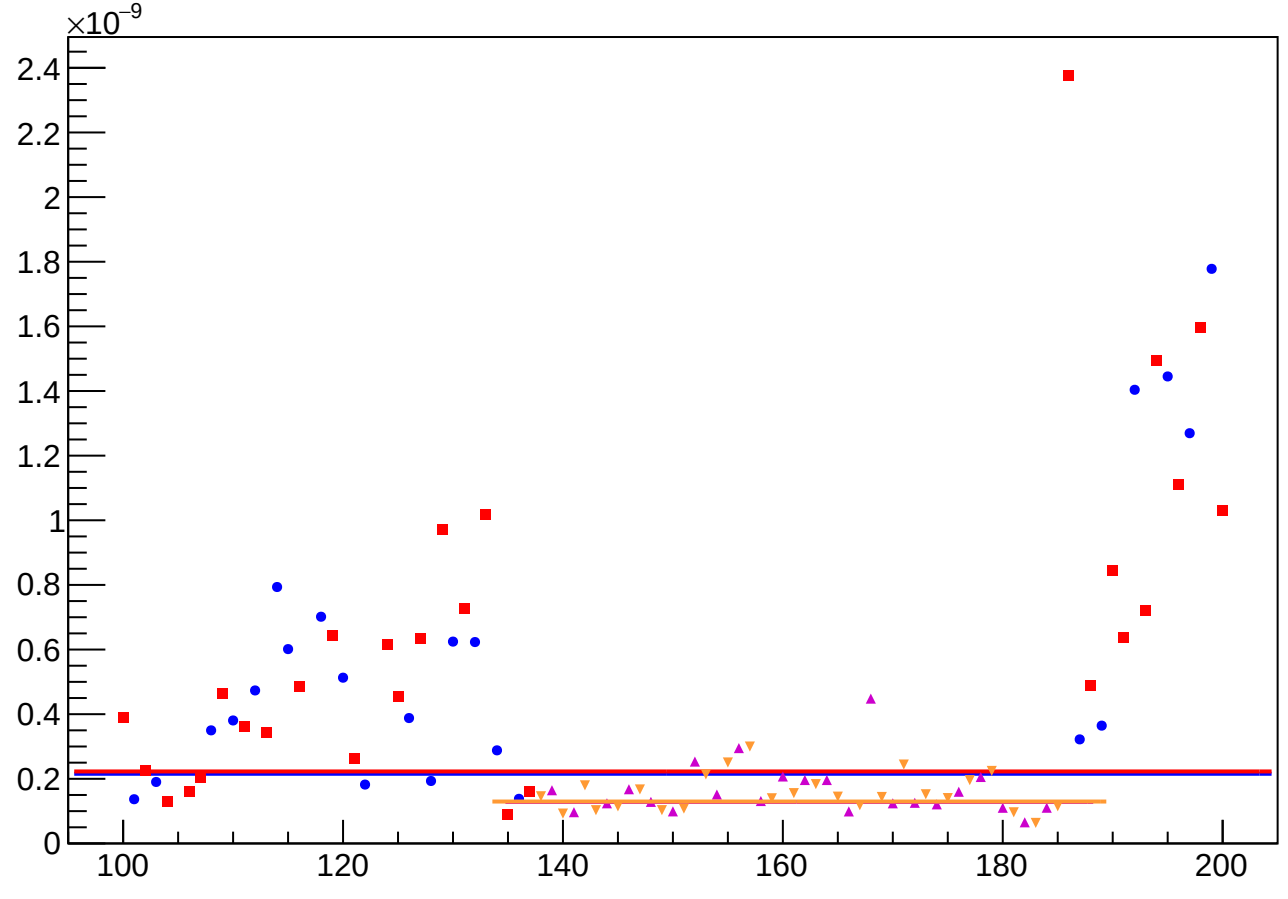
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 47.5/49

In: -0.000+/-0.000 χ^2/NDF:39.0/44

Out: -0.000+/-0.000 χ^2/NDF:47.8/52

All: -0.000+/-0.000 χ^2/NDF: 86.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 3620911.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4767577.7/27

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

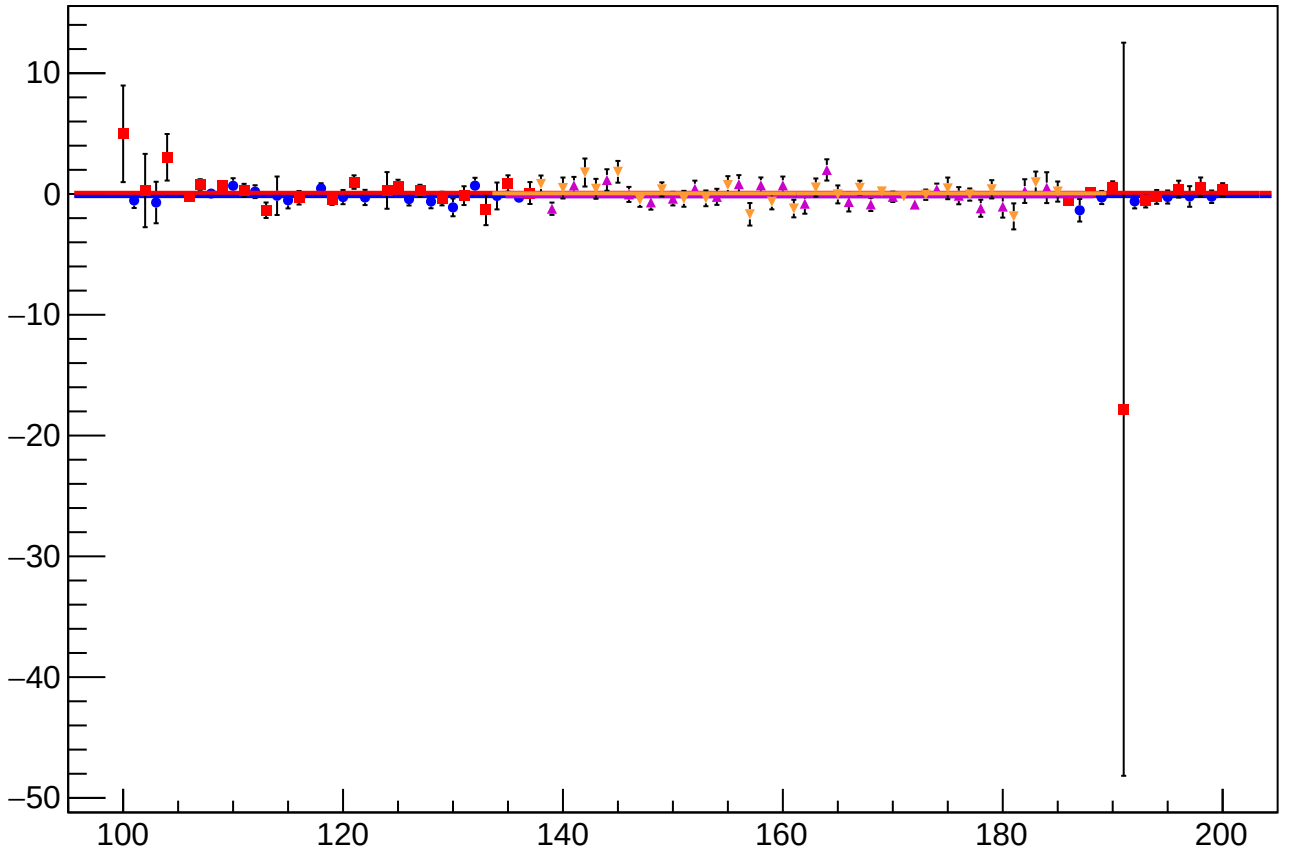
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8391380.5/49

In: 0.000+/-0.000 χ^2/NDF:5890730.9/44

Out: 0.000+/-0.000 χ^2/NDF:6977798.6/52

All: 0.000+/-0.000 χ^2/NDF: 12868807.4/97



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

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

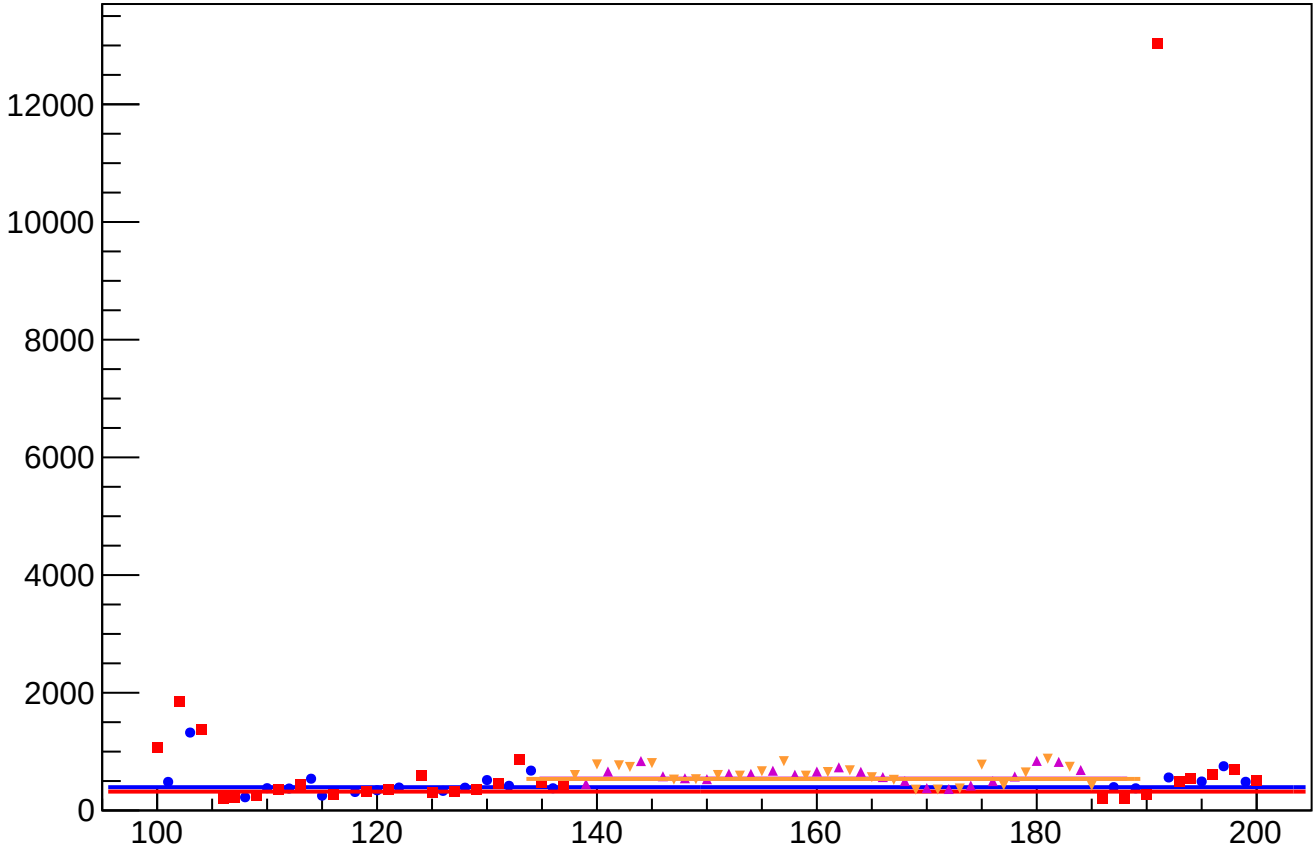
Right: -0.008+/-0.078 χ^2/NDF: 46.8/49

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.032+/-0.060 χ^2/NDF: 104.6/97

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

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

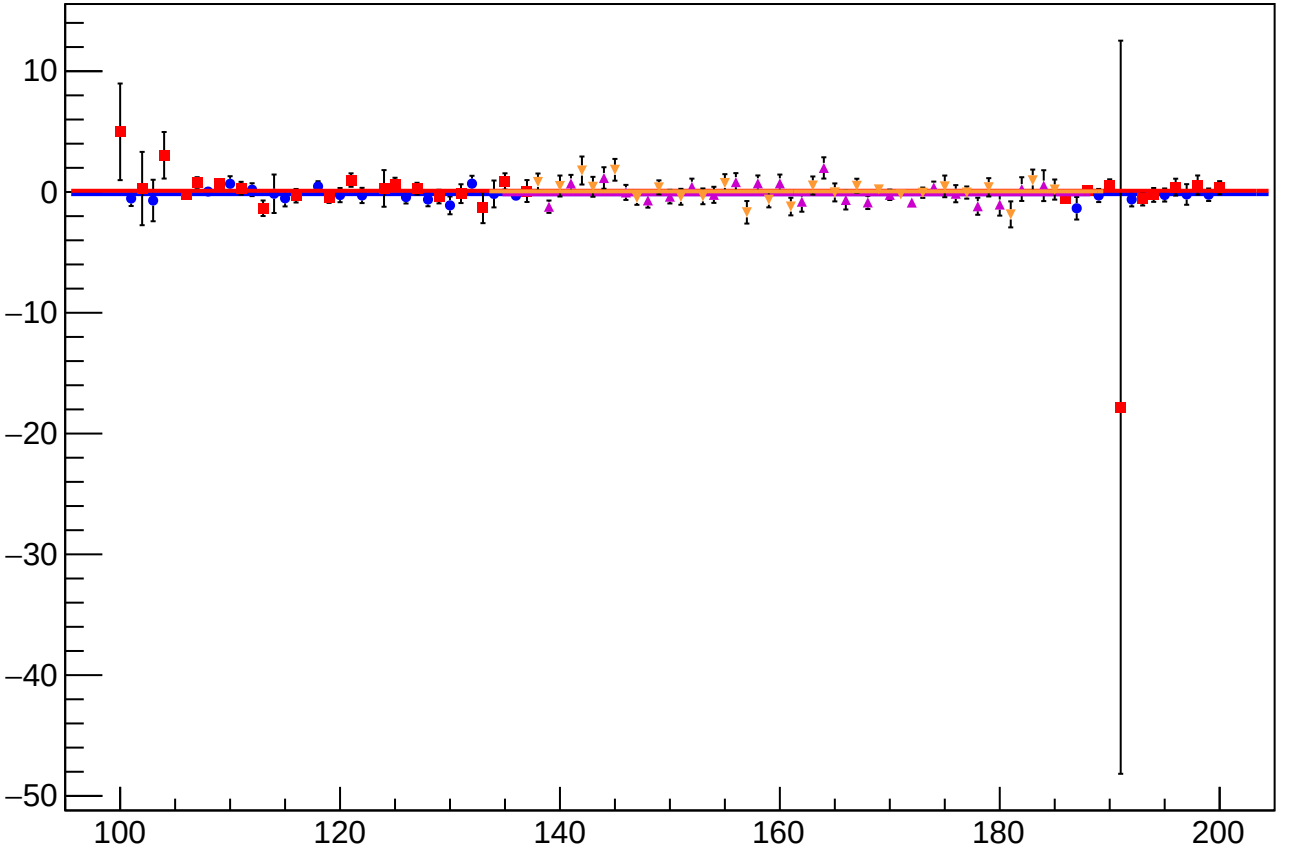
Right: 349.623+/-0.055 χ^2/NDF: 7533076.0/49

In: 463.556+/-0.065 χ^2/NDF:5294454.0/44

Out: 401.226+/-0.056 χ^2/NDF:11190972.8/52

All: 428.058+/-0.042 χ^2/NDF: 17017221.4/97

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

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

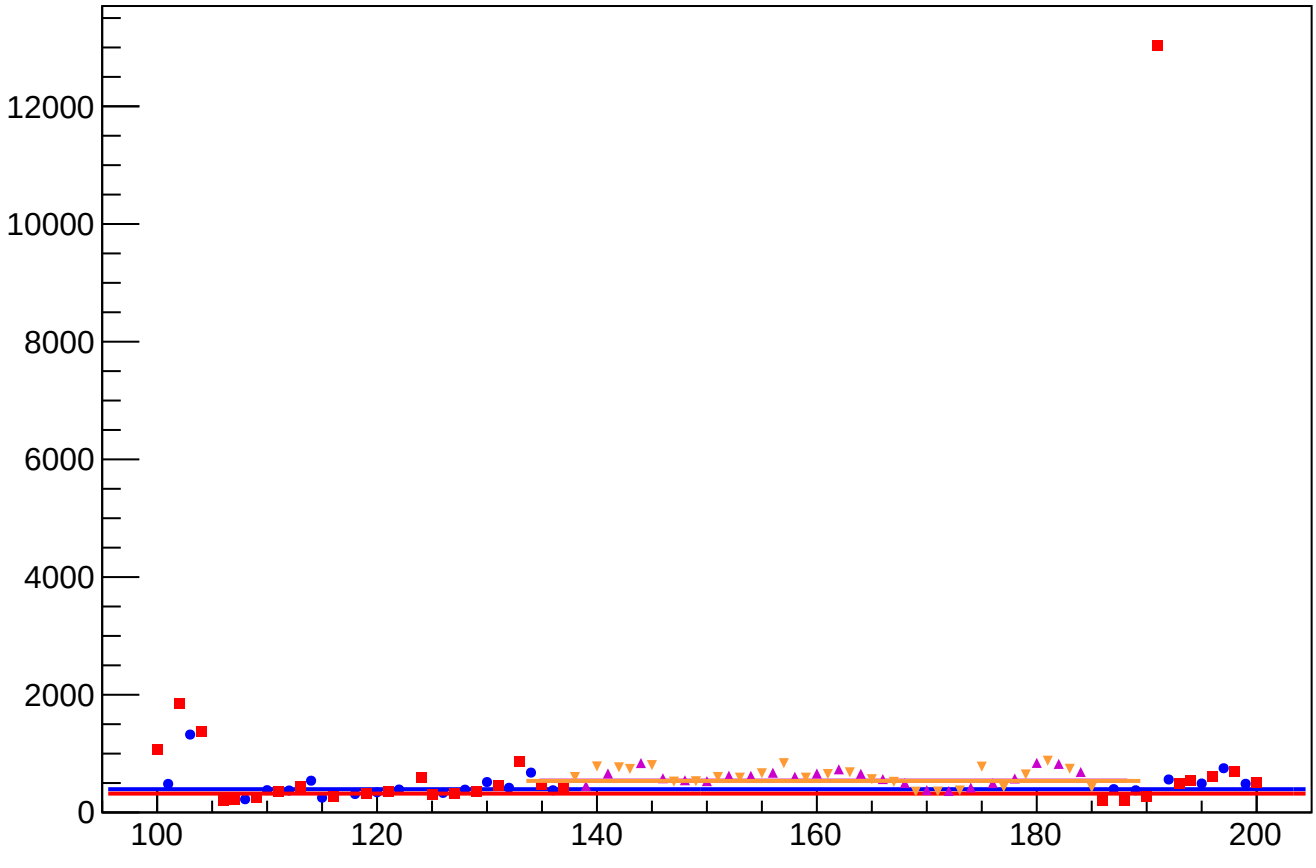
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.008+/-0.078 χ^2/NDF: 46.8/49

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.032+/-0.060 χ^2/NDF: 104.6/97



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

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

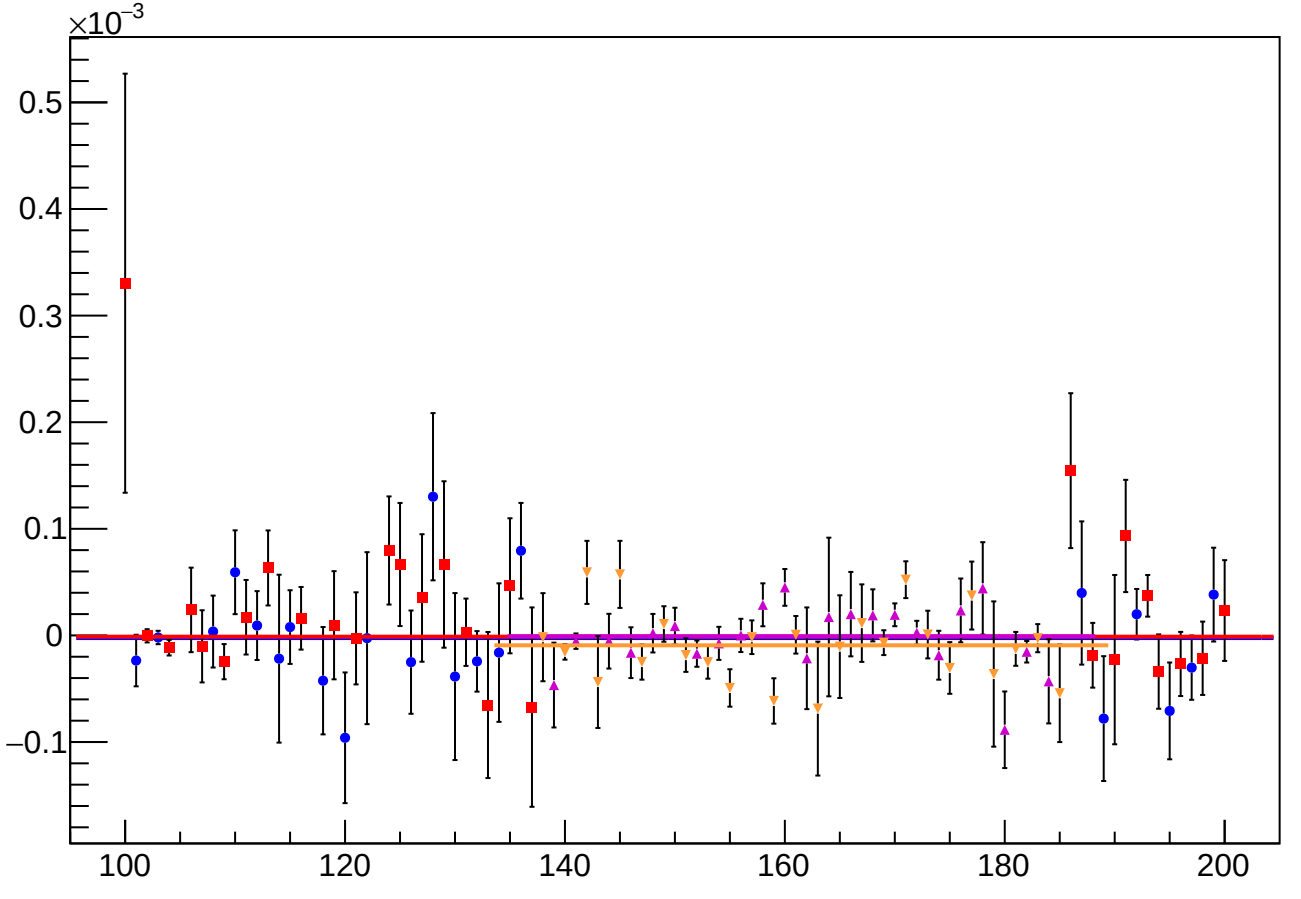
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 349.623+/-0.055 χ^2/NDF: 7533076.0/49

In: 463.556+/-0.065 χ^2/NDF:5294454.0/44

Out: 401.226+/-0.056 χ^2/NDF:11190972.8/52

All: 428.058+/-0.042 χ^2/NDF: 17017221.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

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

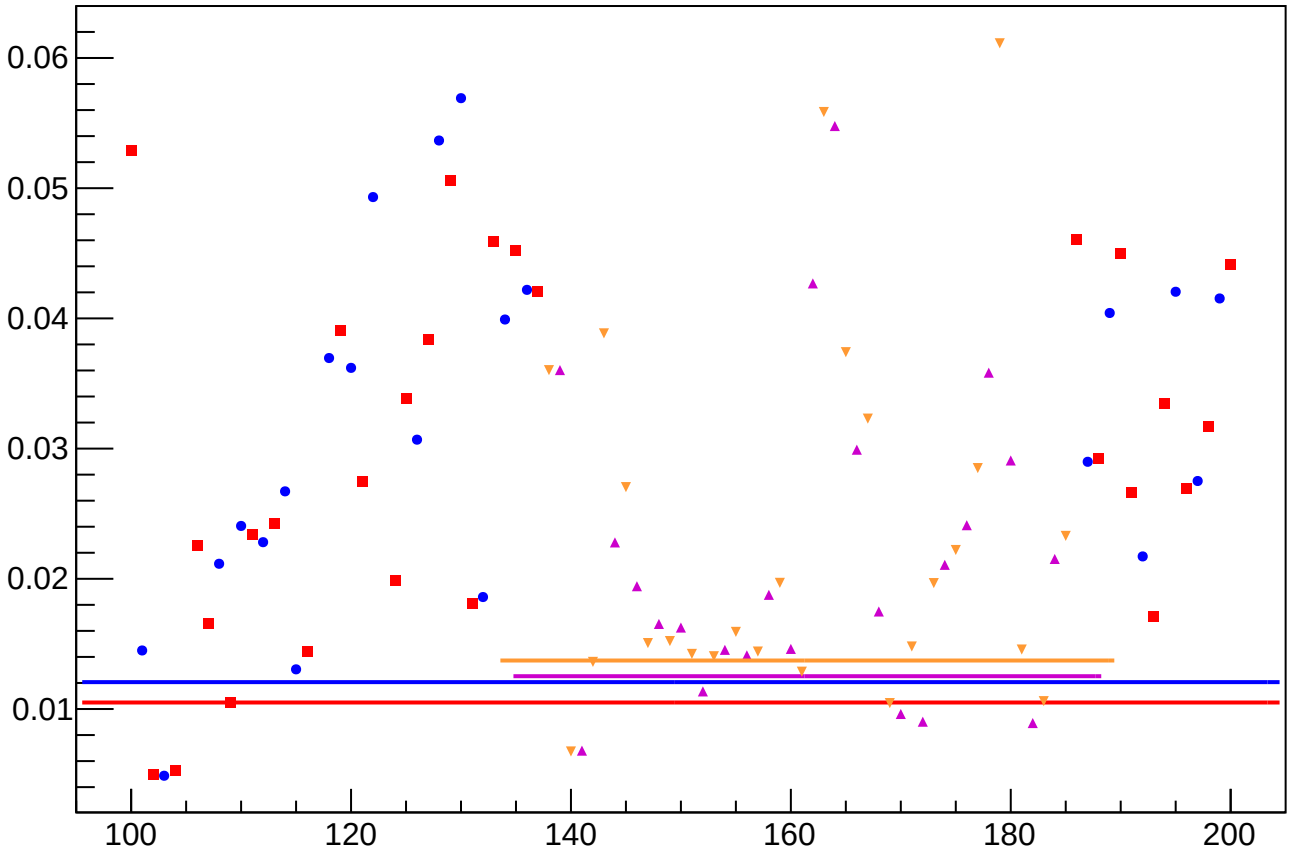
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.3/49

In: -0.000+/-0.000 χ^2/NDF:50.8/44

Out: -0.000+/-0.000 χ^2/NDF:80.1/52

All: -0.000+/-0.000 χ^2/NDF: 132.1/97



Right In: 0.012+/-0.000 χ^2/NDF: 10611782.6/21

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

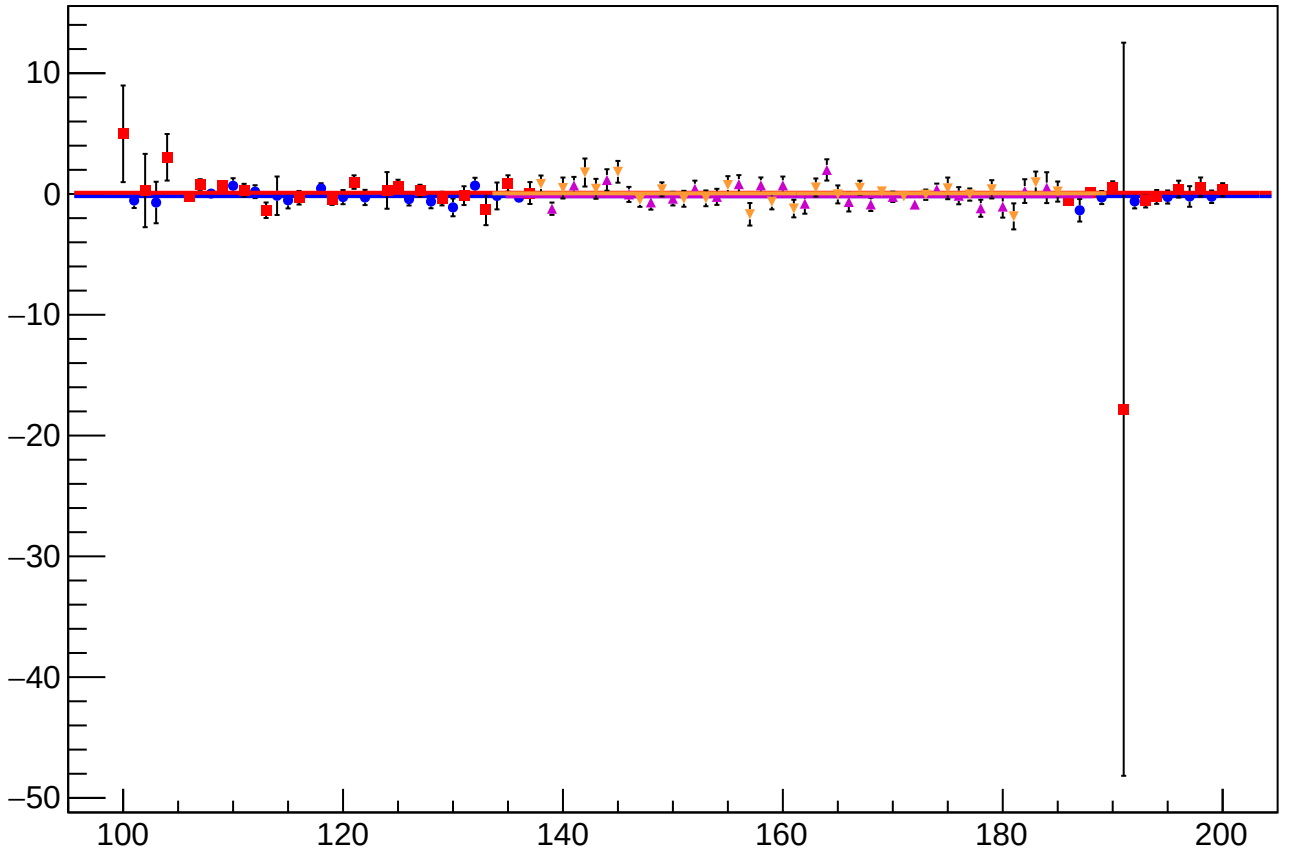
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.011+/-0.000 χ^2/NDF: 23307022.3/49

In: 0.012+/-0.000 χ^2/NDF:17744299.5/44

Out: 0.012+/-0.000 χ^2/NDF:21020191.8/52

All: 0.012+/-0.000 χ^2/NDF: 38766056.4/97



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

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

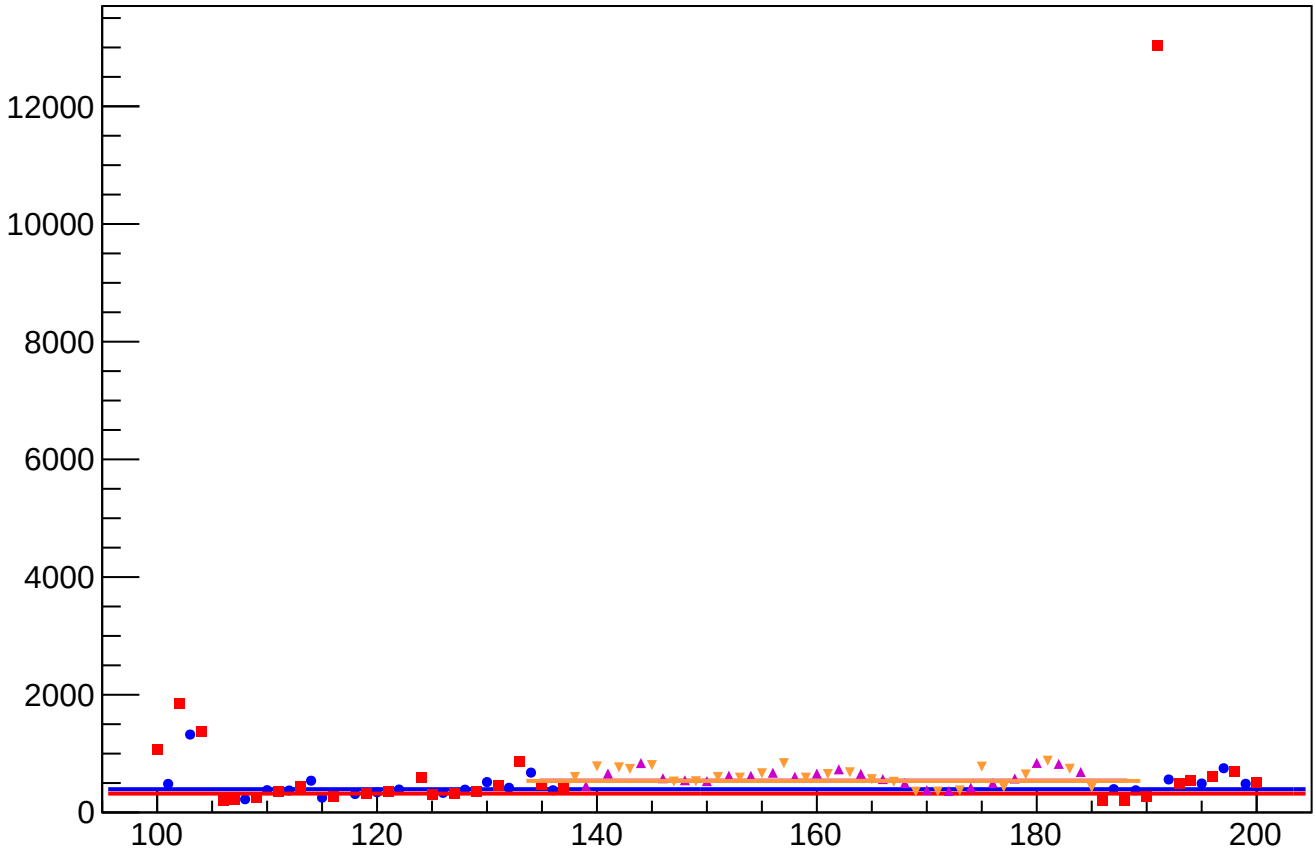
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.008+/-0.078 χ^2/NDF: 46.8/49

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.032+/-0.060 χ^2/NDF: 104.6/97



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

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

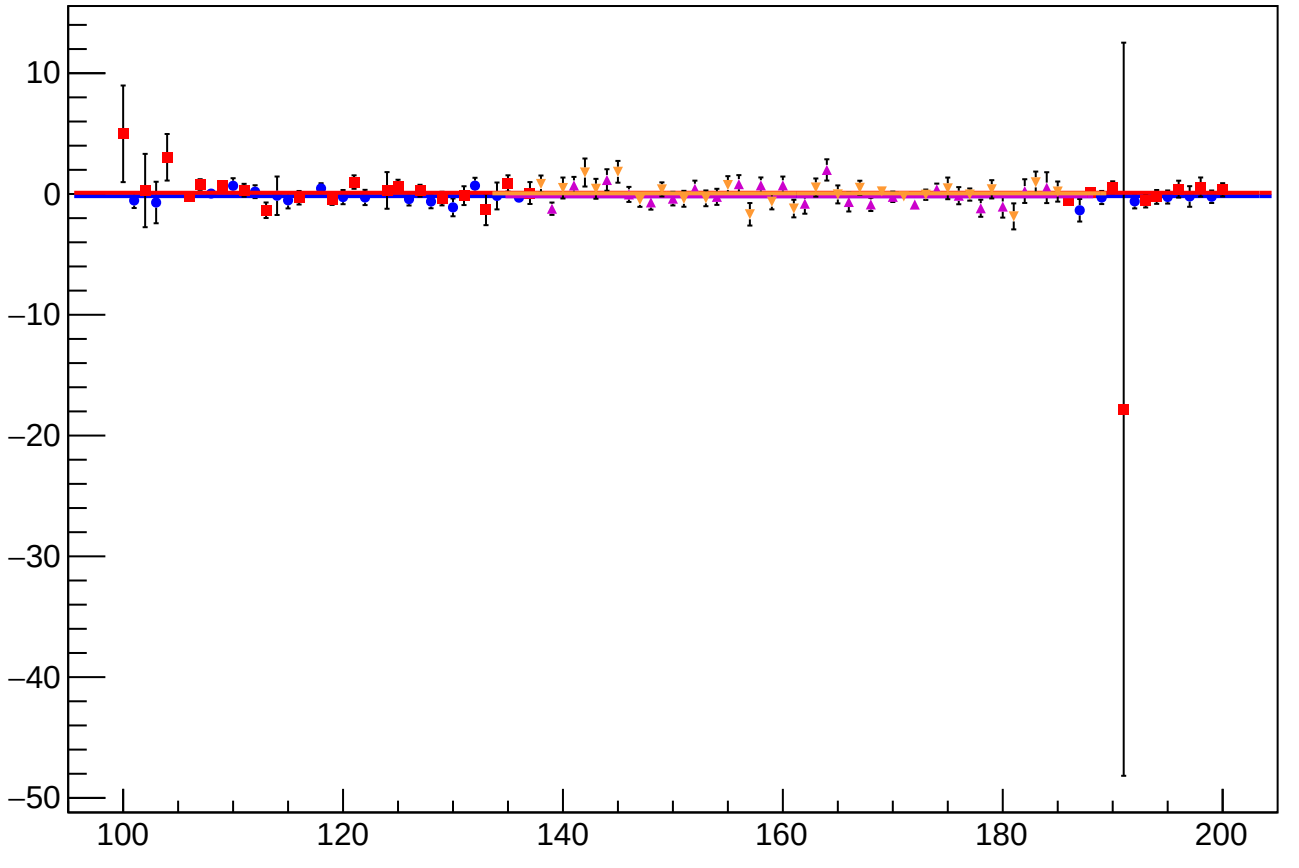
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 349.622+/-0.055 χ^2/NDF: 7533029.5/49

In: 463.555+/-0.065 χ^2/NDF:5294658.5/44

Out: 401.227+/-0.056 χ^2/NDF:11191128.5/52

All: 428.058+/-0.042 χ^2/NDF: 17017553.6/97



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

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

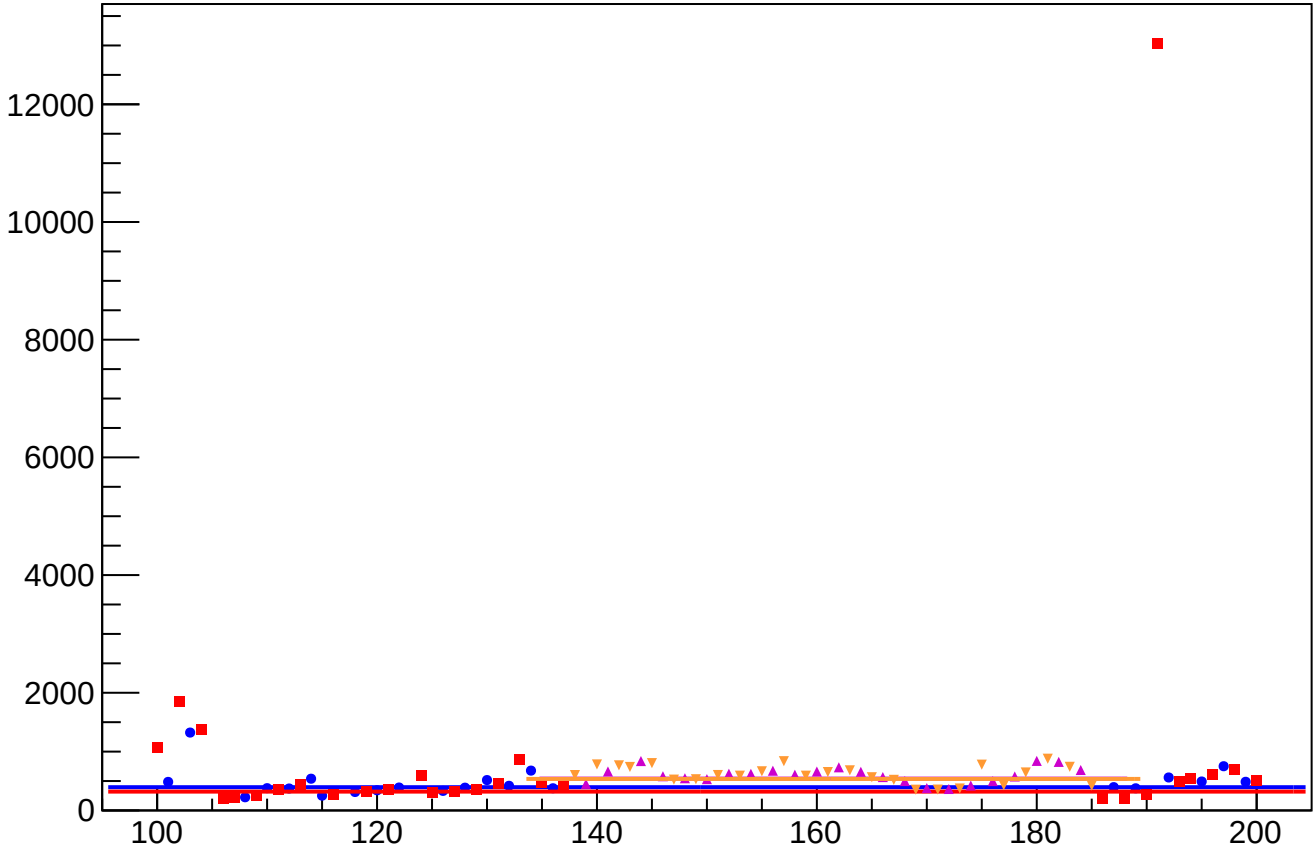
Right: -0.008+/-0.078 χ^2/NDF: 46.8/49

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.083+/-0.079 χ^2/NDF:56.4/52

All: -0.032+/-0.060 χ^2/NDF: 104.6/97

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

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

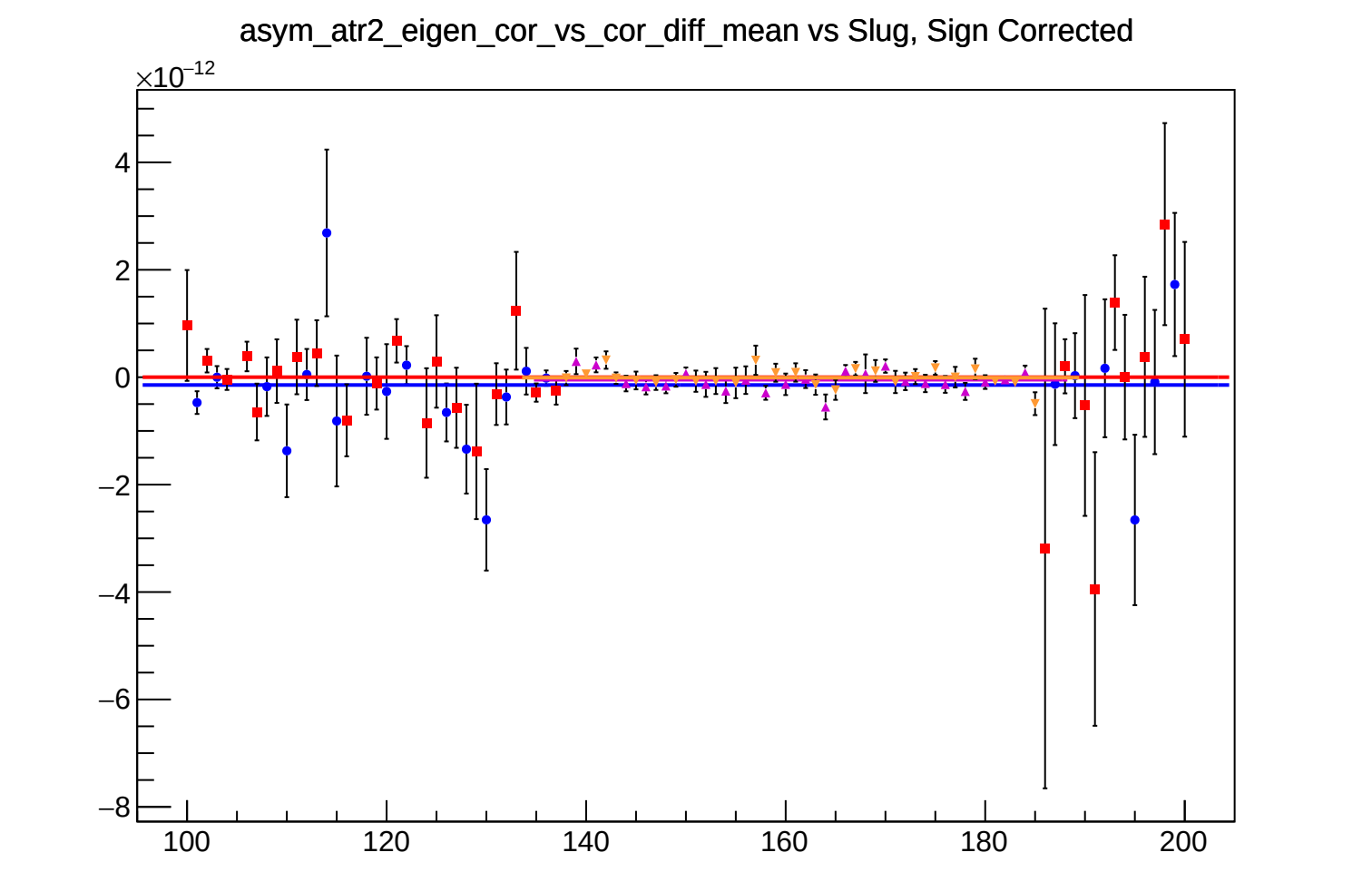
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 349.622+/-0.055 χ^2/NDF: 7533029.5/49

In: 463.555+/-0.065 χ^2/NDF:5294658.5/44

Out: 401.227+/-0.056 χ^2/NDF:11191128.5/52

All: 428.058+/-0.042 χ^2/NDF: 17017553.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/27

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

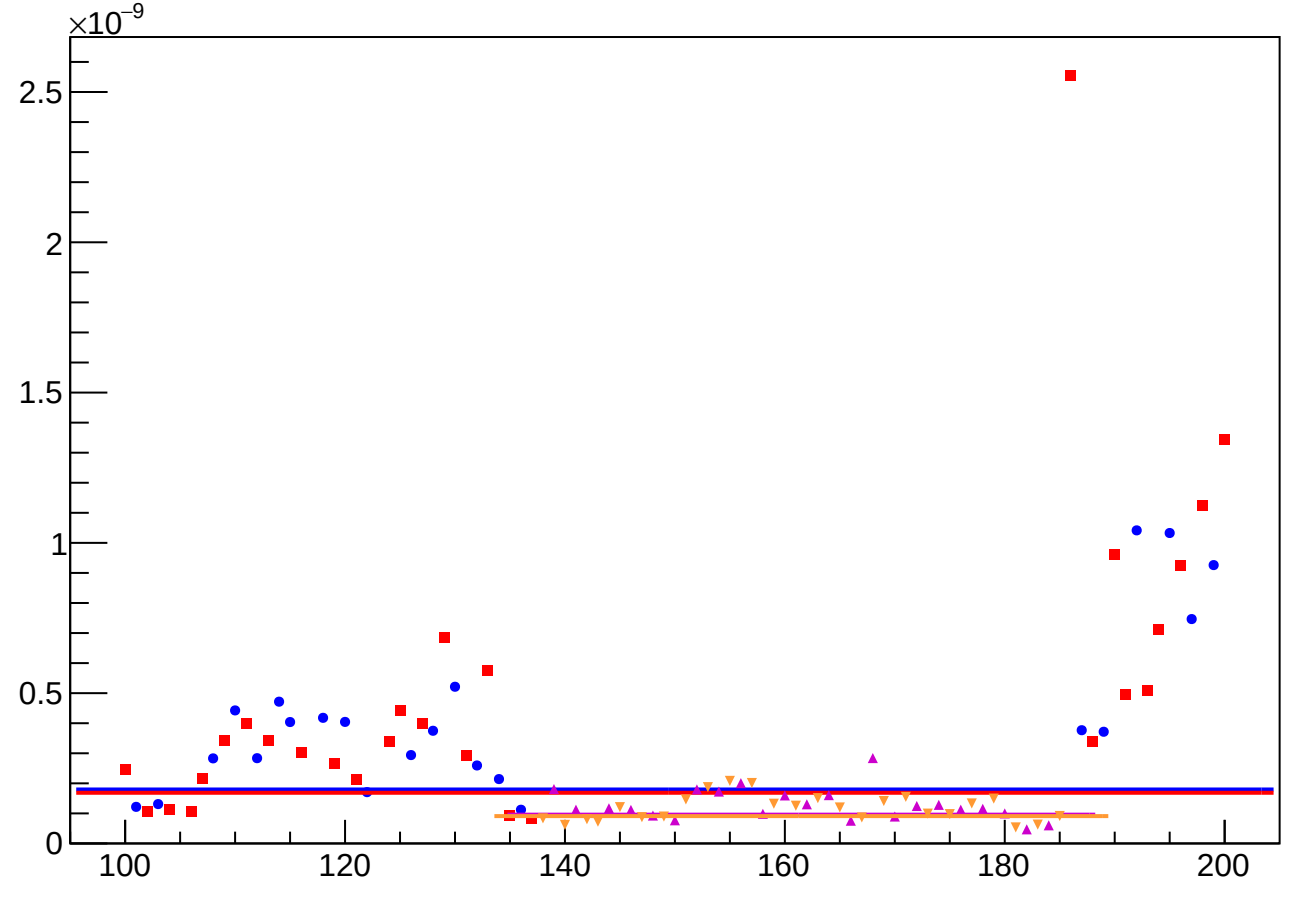
Left: -0.000+/-0.000 χ^2/NDF: 51.1/47

Right: -0.000+/-0.000 χ^2/NDF: 55.0/49

In: -0.000+/-0.000 χ^2/NDF:55.2/44

Out: -0.000+/-0.000 χ^2/NDF:49.7/52

All: -0.000+/-0.000 χ^2/NDF: 106.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 4717487.8/21

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

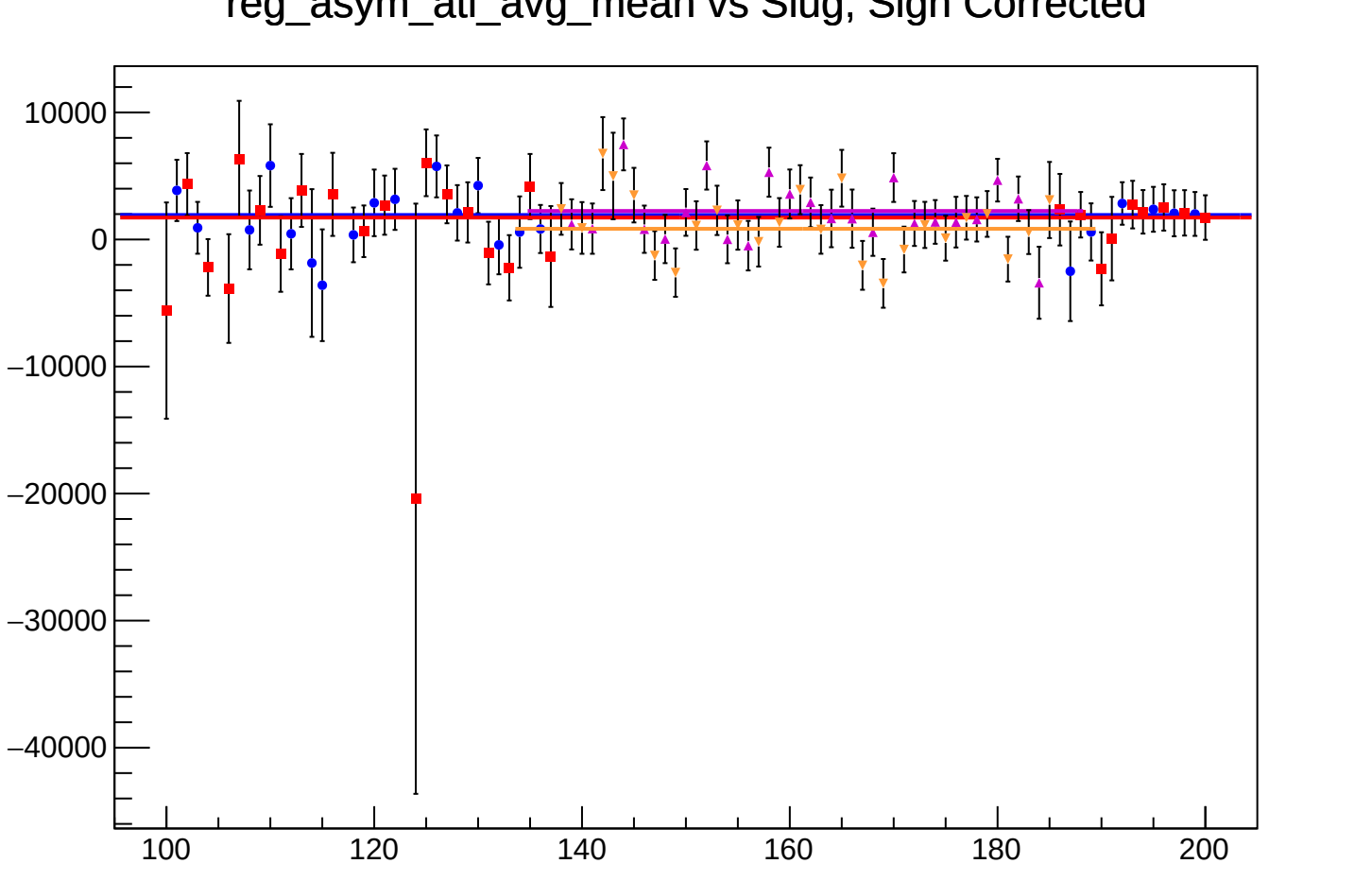
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11427245.5/49

In: 0.000+/-0.000 χ^2/NDF:10331529.7/44

Out: 0.000+/-0.000 χ^2/NDF:11692599.4/52

All: 0.000+/-0.000 χ^2/NDF: 22065586.9/97



Right In: 1928.586+/-492.854 χ^2/NDF: 12.9/21

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

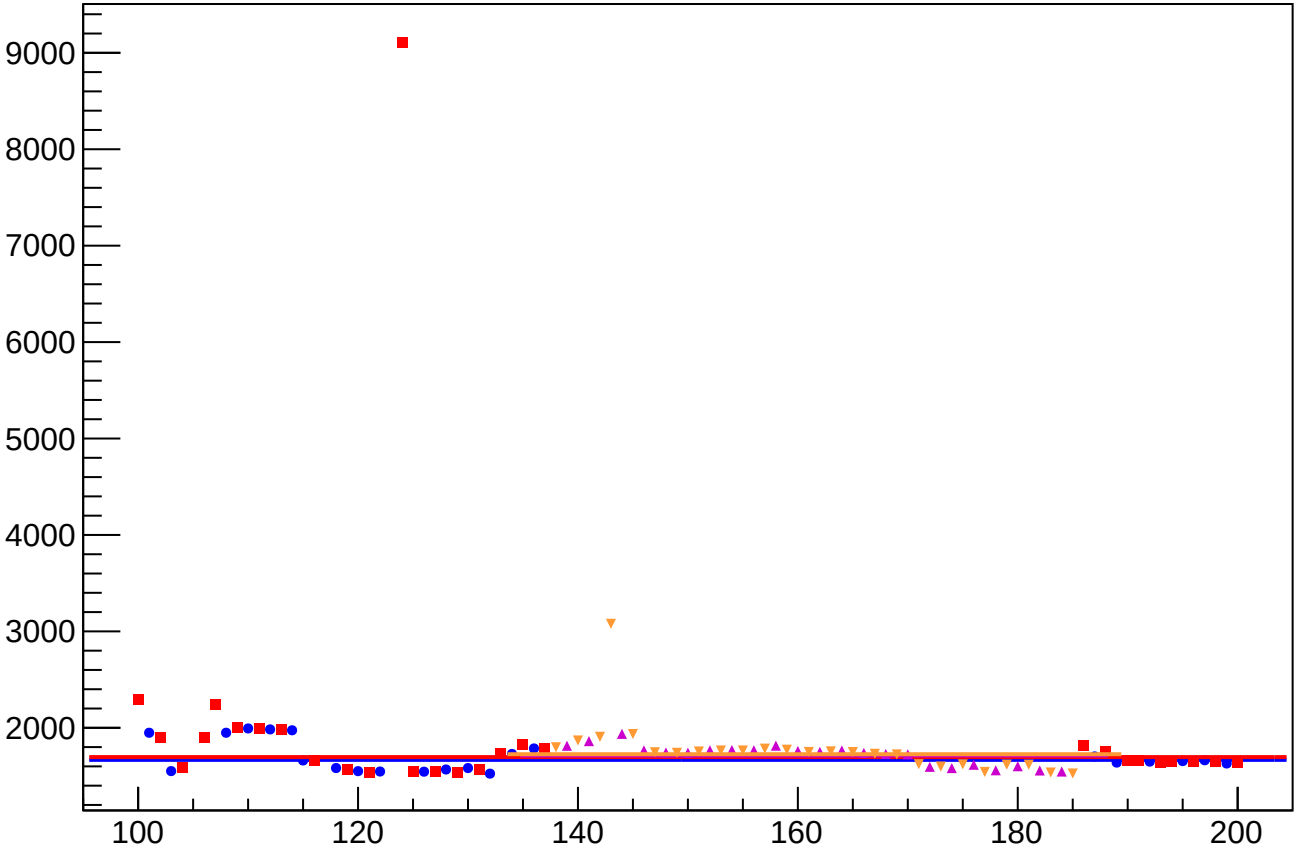
Right: 1820.903+/-337.914 χ^2/NDF: 35.3/49

In: 2119.087+/-310.935 χ^2/NDF:42.5/44

Out: 1212.149+/-300.582 χ^2/NDF:54.8/52

All: 1650.268+/-216.111 χ^2/NDF: 101.8/97

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.3/21

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

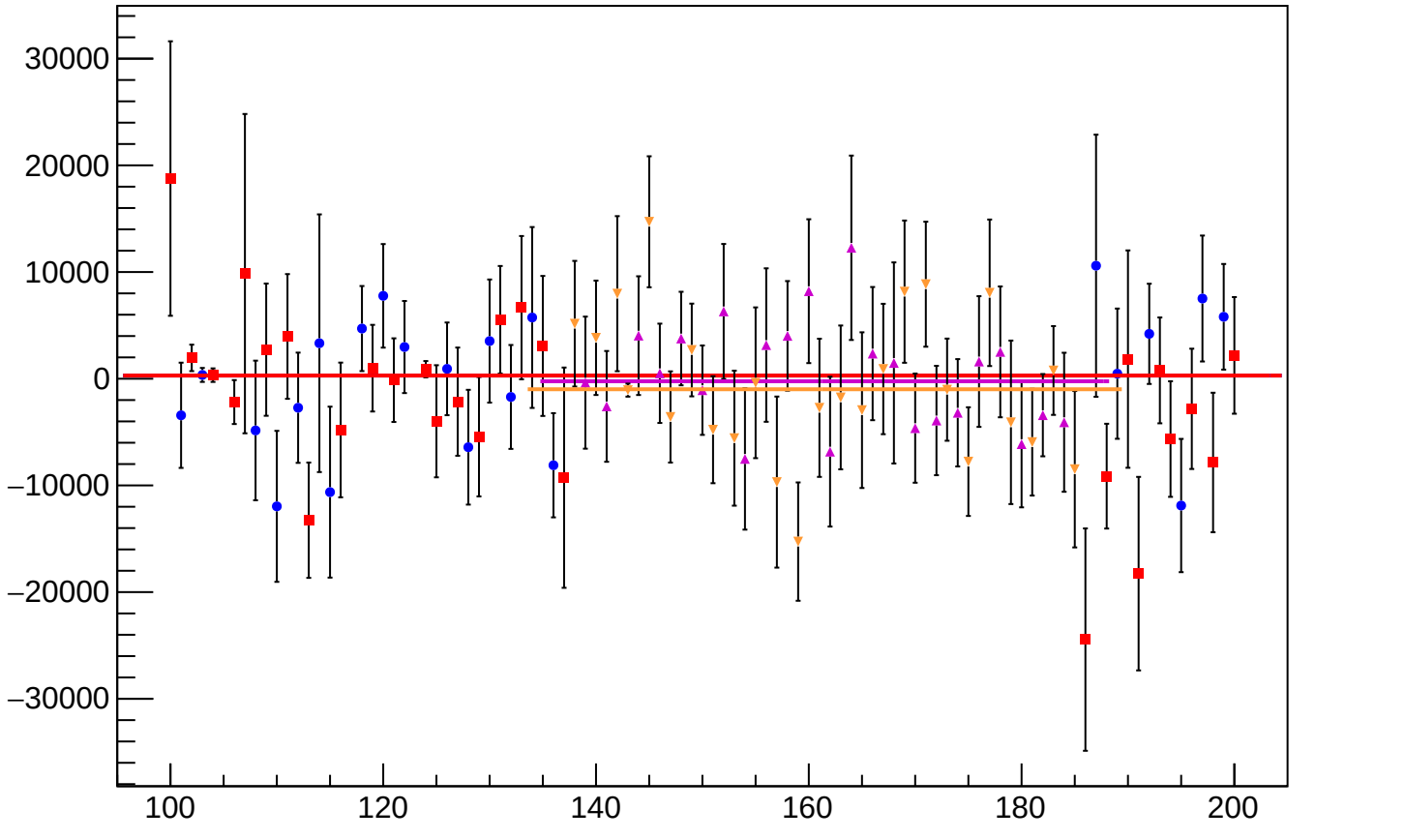
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1682.804+/-0.239 χ^2/NDF: 547045.9/49

In: 1695.033+/-0.220 χ^2/NDF:283437.1/44

Out: 1713.504+/-0.212 χ^2/NDF:859351.5/52

All: 1704.591+/-0.153 χ^2/NDF: 1146441.0/97



Right In: 297.653+/-574.379 χ^2/NDF: 23.8/21

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

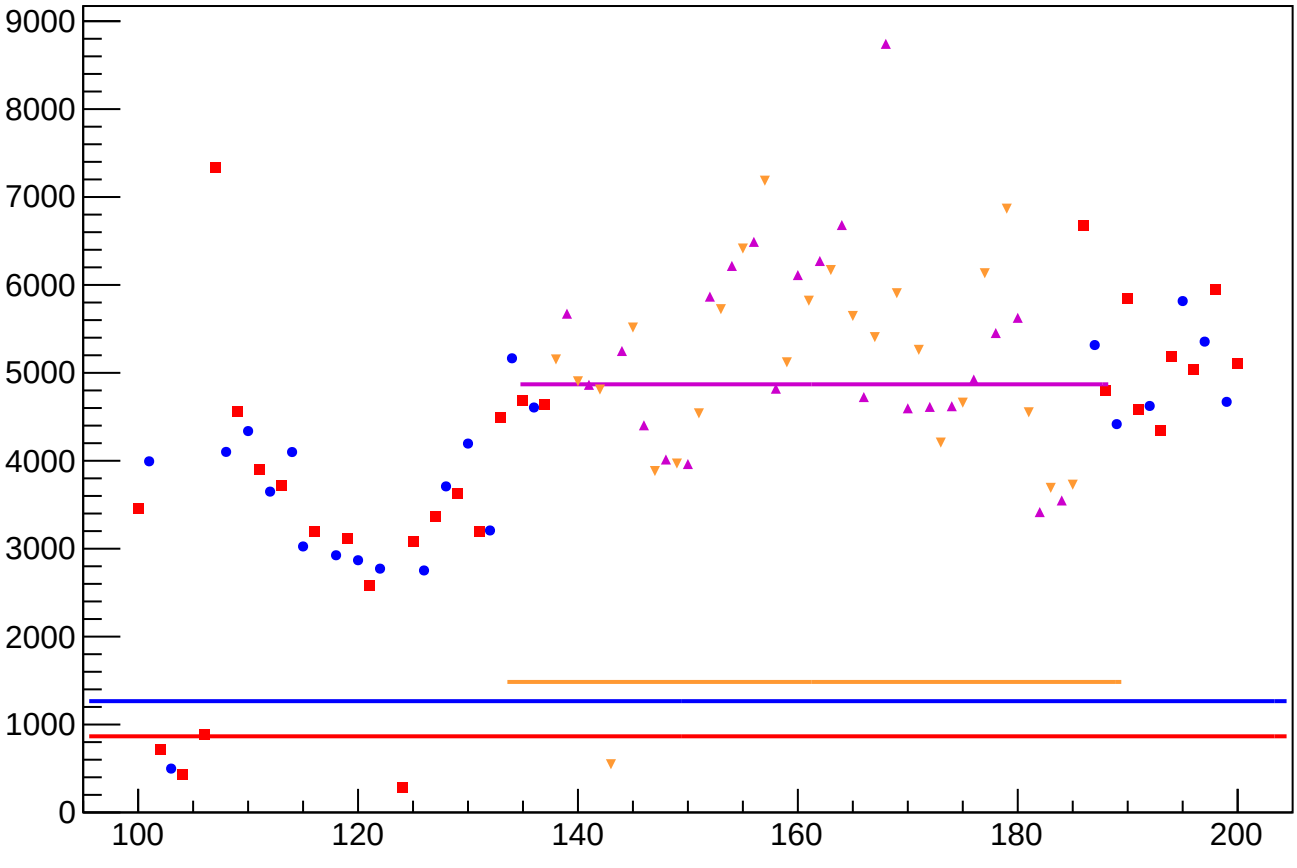
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 297.587+/-336.935 χ^2/NDF: 59.4/49

In: 192.606+/-515.173 χ^2/NDF:37.5/44

Out: -179.758+/-329.851 χ^2/NDF:69.9/52

All: -71.492+/-277.789 χ^2/NDF: 107.8/97



Right In: 1265.939+/-0.406 χ^2/NDF: 13136191.5/21

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

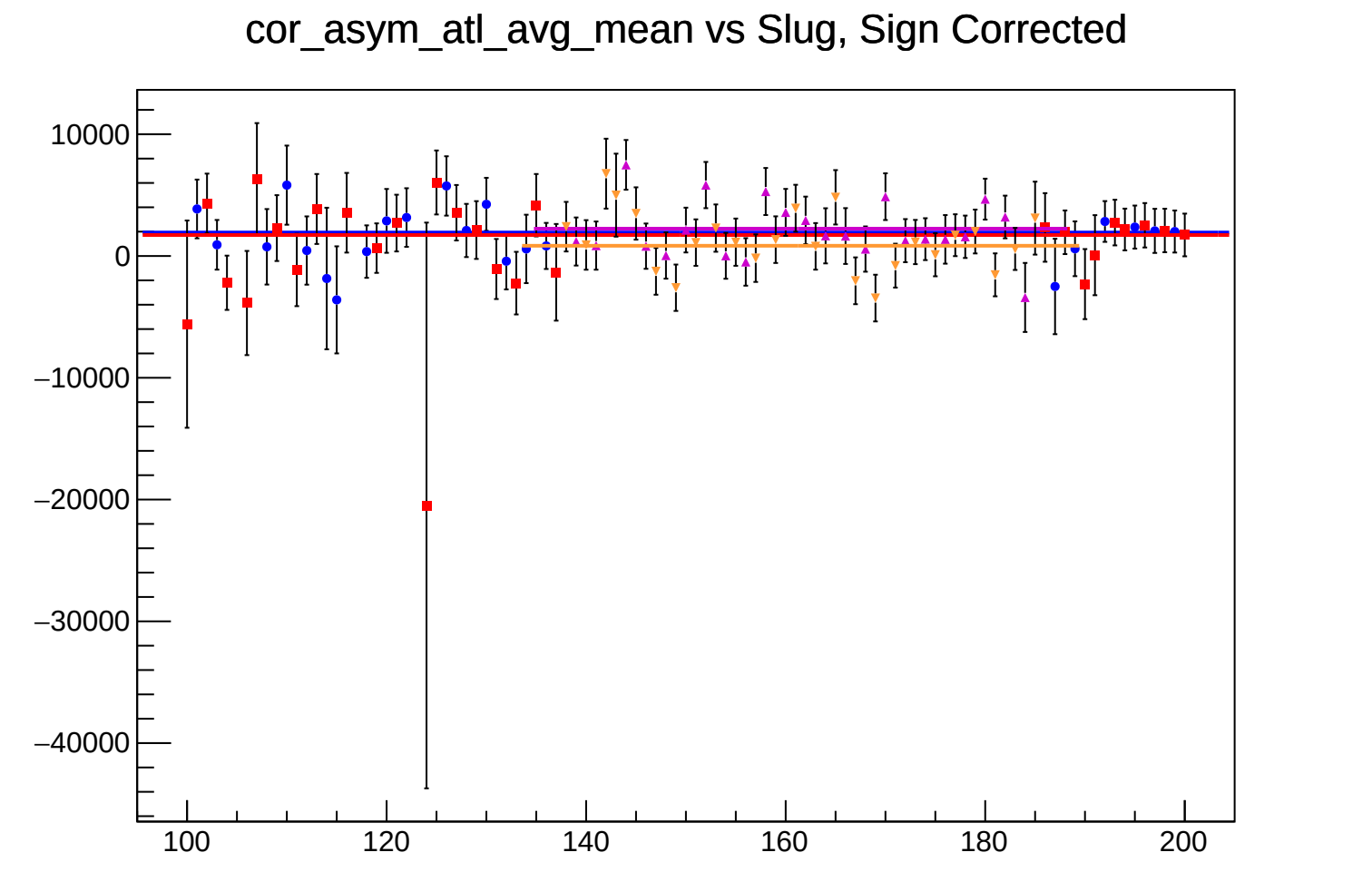
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1003.657+/-0.238 χ^2/NDF: 31239774.9/49

In: 1970.594+/-0.364 χ^2/NDF:30004917.4/44

Out: 1095.767+/-0.233 χ^2/NDF:42334441.2/52

All: 1350.126+/-0.196 χ^2/NDF: 76429751.0/9



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

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

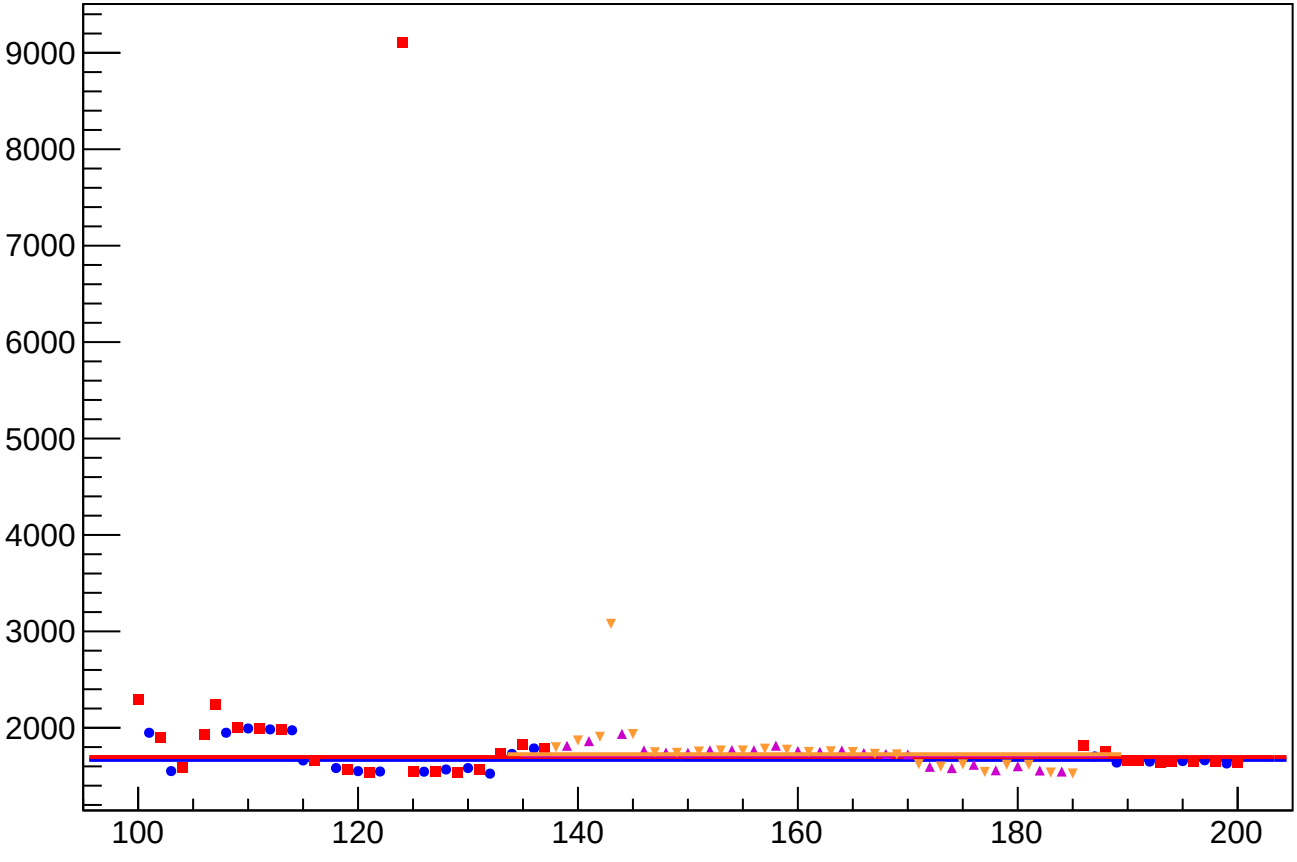
Right: 1820.274+/-337.915 χ^2/NDF: 35.3/49

In: 2119.129+/-310.935 χ^2/NDF:42.5/44

Out: 1211.616+/-300.583 χ^2/NDF:54.8/52

All: 1650.014+/-216.111 χ^2/NDF: 101.7/97

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

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

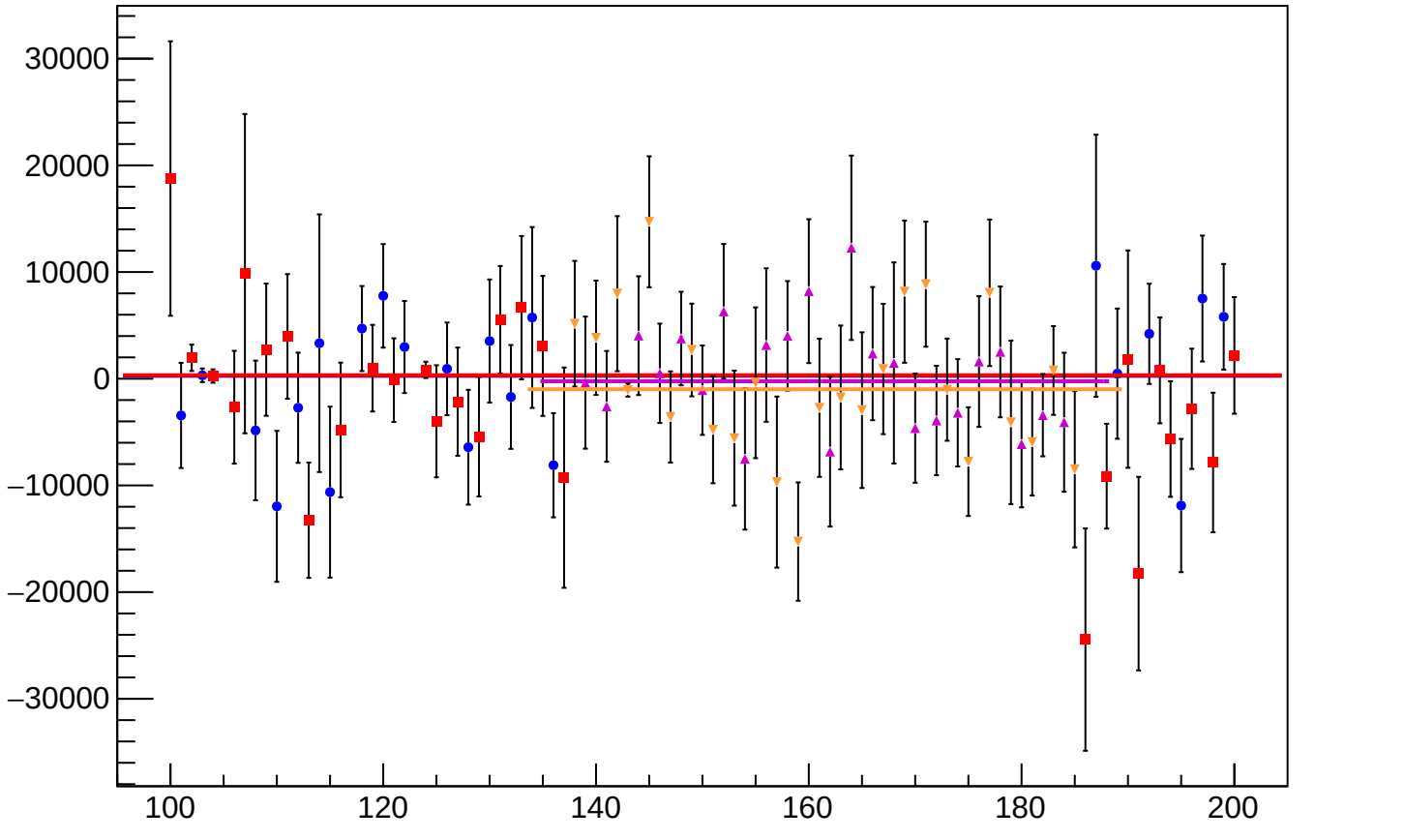
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1683.026+/-0.239 χ^2/NDF: 549075.2/49

In: 1695.033+/-0.220 χ^2/NDF:283437.2/44

Out: 1713.687+/-0.212 χ^2/NDF:861136.2/52

All: 1704.684+/-0.153 χ^2/NDF: 1148298.1/97



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

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

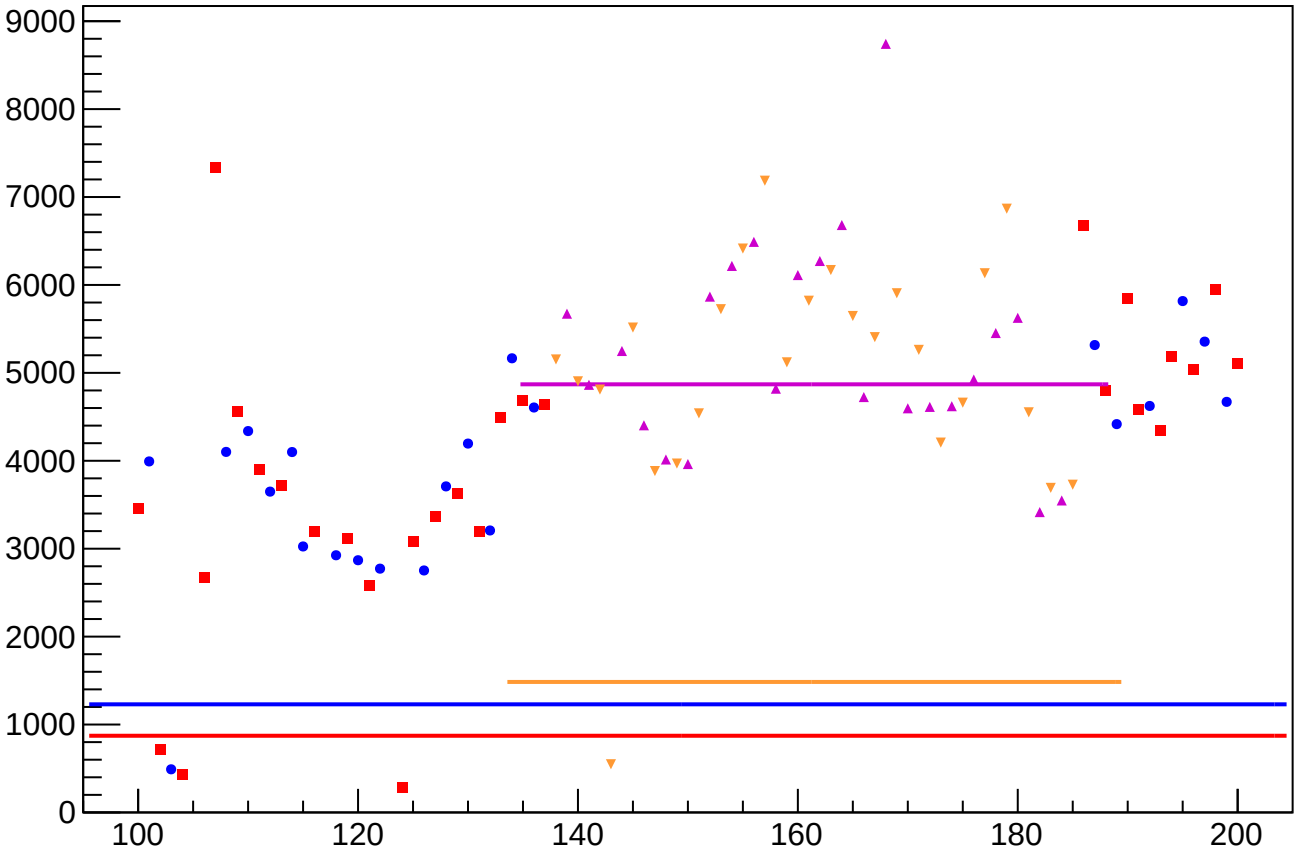
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 309.410+/-337.455 χ^2/NDF: 58.1/49

In: 175.221+/-507.023 χ^2/NDF:37.5/44

Out: -167.145+/-332.558 χ^2/NDF:68.8/52

All: -64.161+/-278.079 χ^2/NDF: 106.7/97



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

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

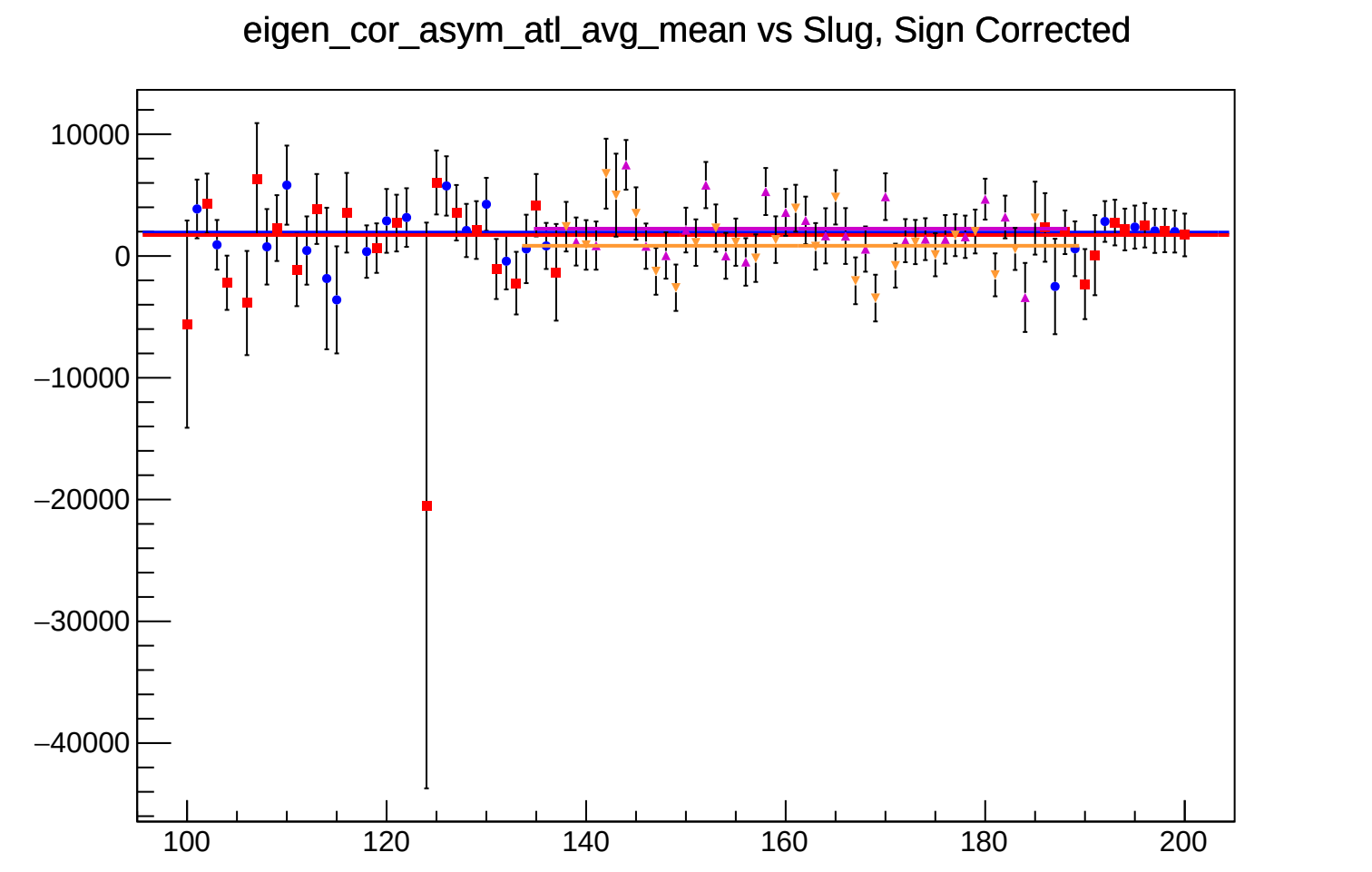
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1000.796+/-0.239 χ^2/NDF: 31579736.2/49

In: 1919.252+/-0.359 χ^2/NDF:30631394.9/44

Out: 1103.518+/-0.235 χ^2/NDF:42547508.1/52

All: 1348.892+/-0.197 χ^2/NDF: 76798600.7/9



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

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

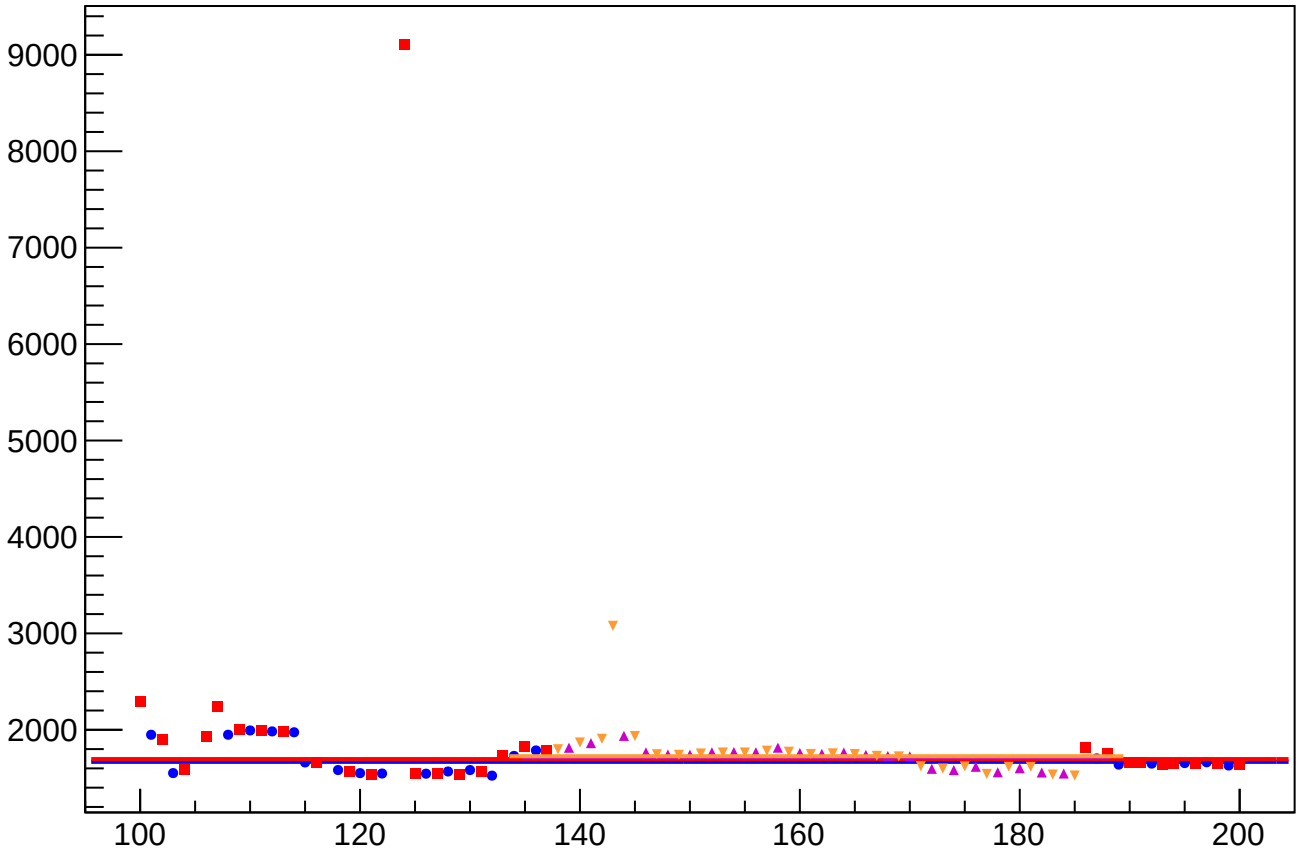
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1820.274+/-337.915 χ^2/NDF: 35.3/49

In: 2119.129+/-310.935 χ^2/NDF:42.5/44

Out: 1211.616+/-300.583 χ^2/NDF:54.8/52

All: 1650.014+/-216.111 χ^2/NDF: 101.7/97



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

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

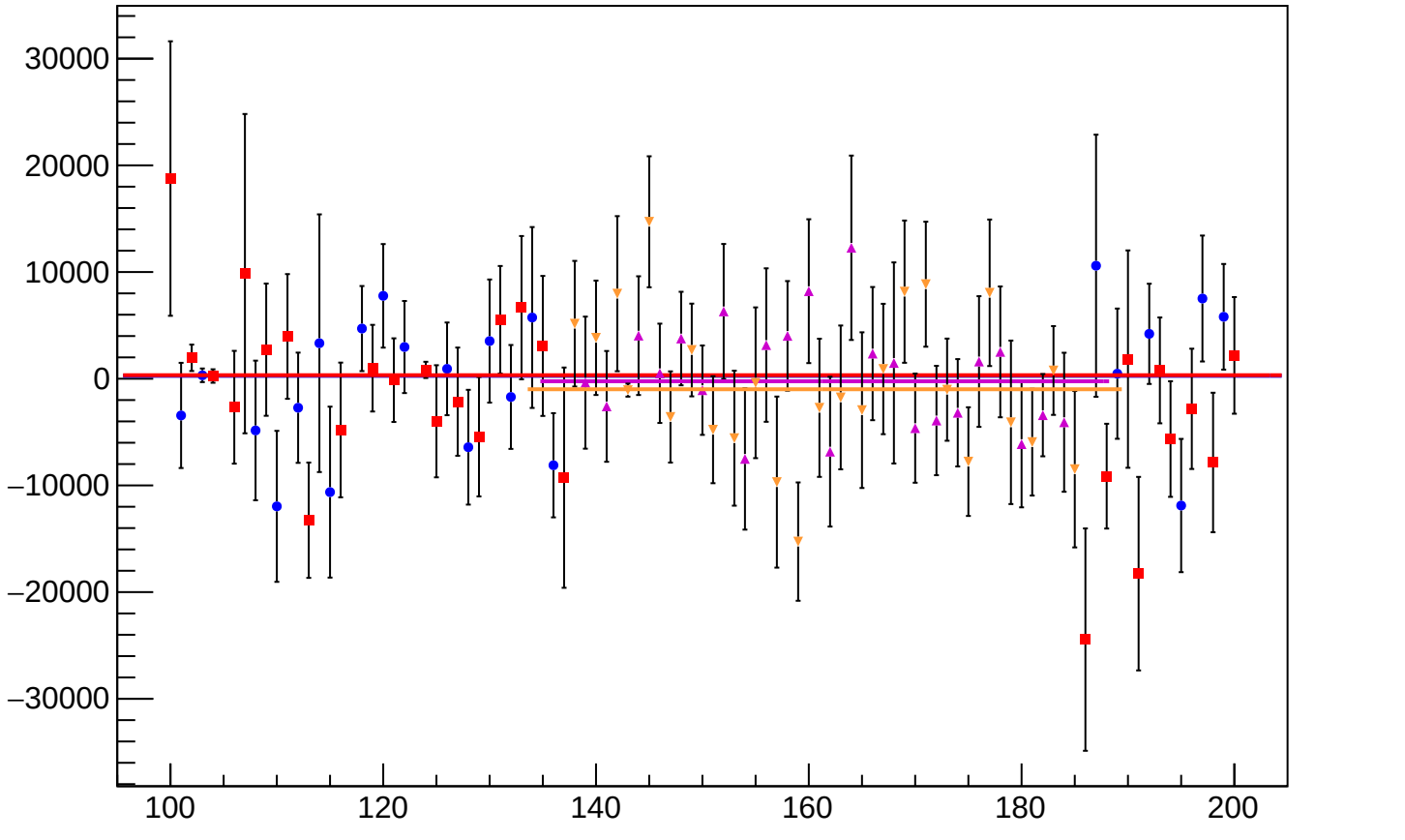
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1683.026+/-0.239 χ^2/NDF: 549075.2/49

In: 1695.033+/-0.220 χ^2/NDF:283437.2/44

Out: 1713.687+/-0.212 χ^2/NDF:861136.2/52

All: 1704.684+/-0.153 χ^2/NDF: 1148298.1/97



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

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

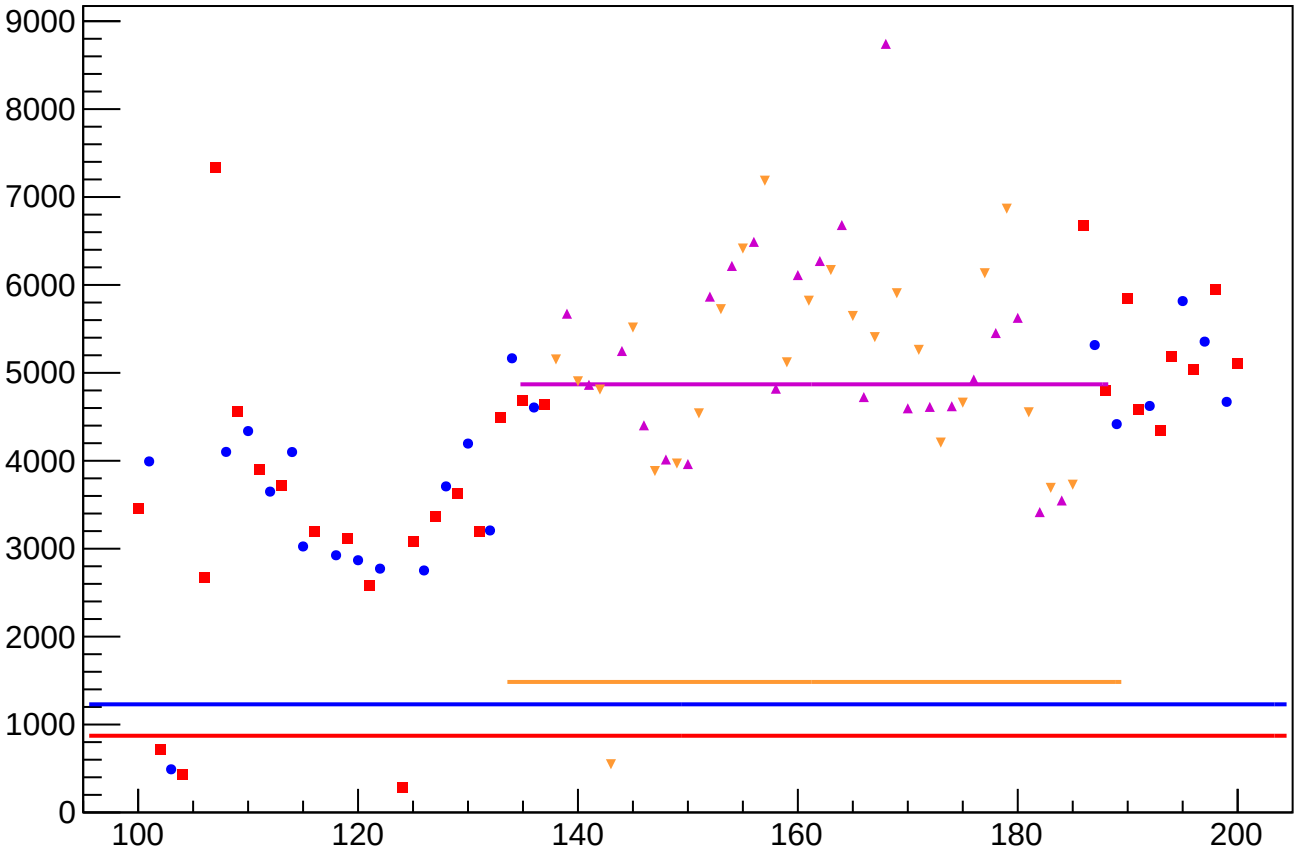
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 309.410+/-337.455 χ^2/NDF: 58.1/49

In: 175.221+/-507.023 χ^2/NDF:37.5/44

Out: -167.145+/-332.558 χ^2/NDF:68.8/52

All: -64.161+/-278.079 χ^2/NDF: 106.7/97



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

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

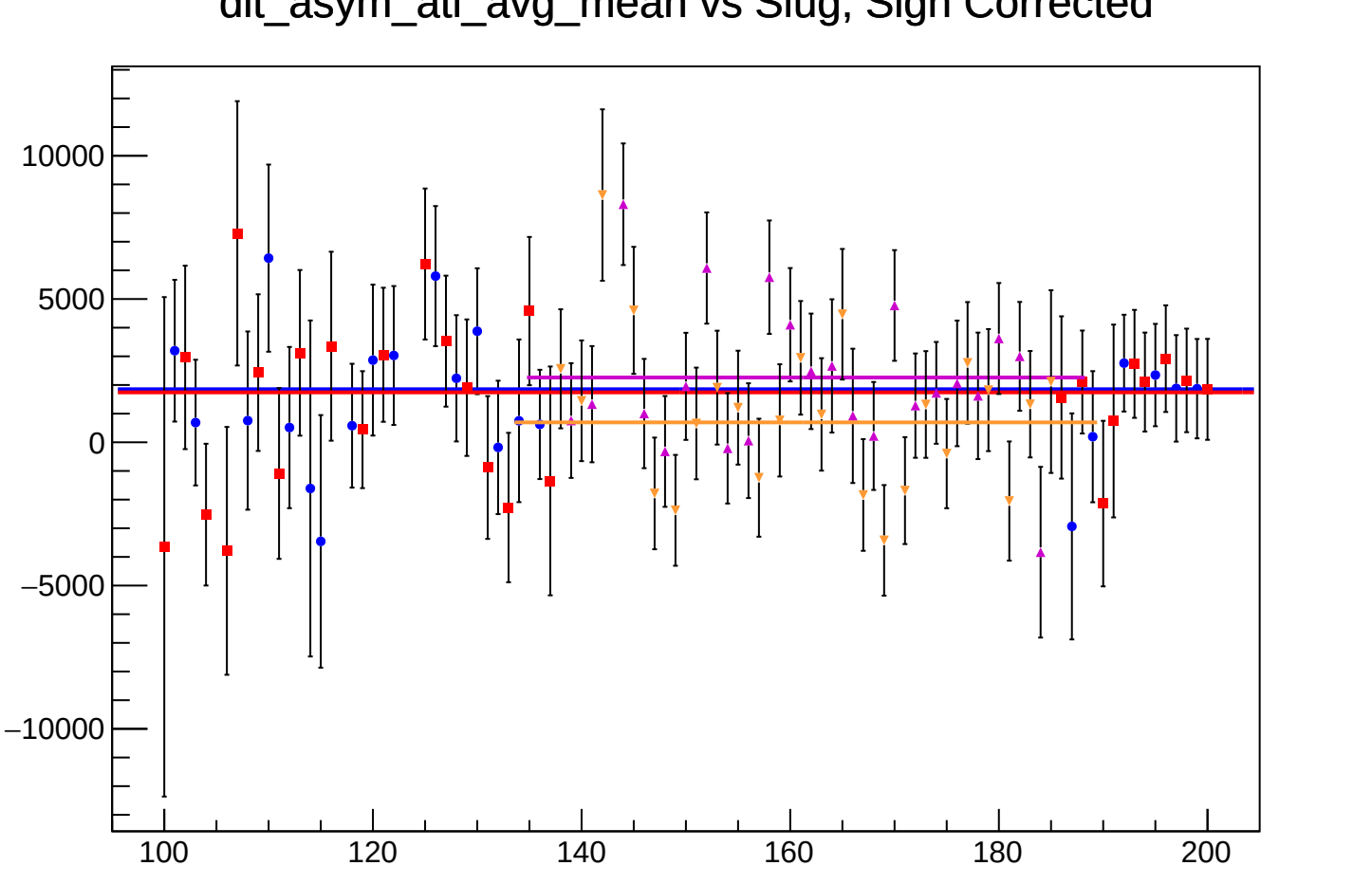
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1000.796+/-0.239 χ^2/NDF: 31579736.2/49

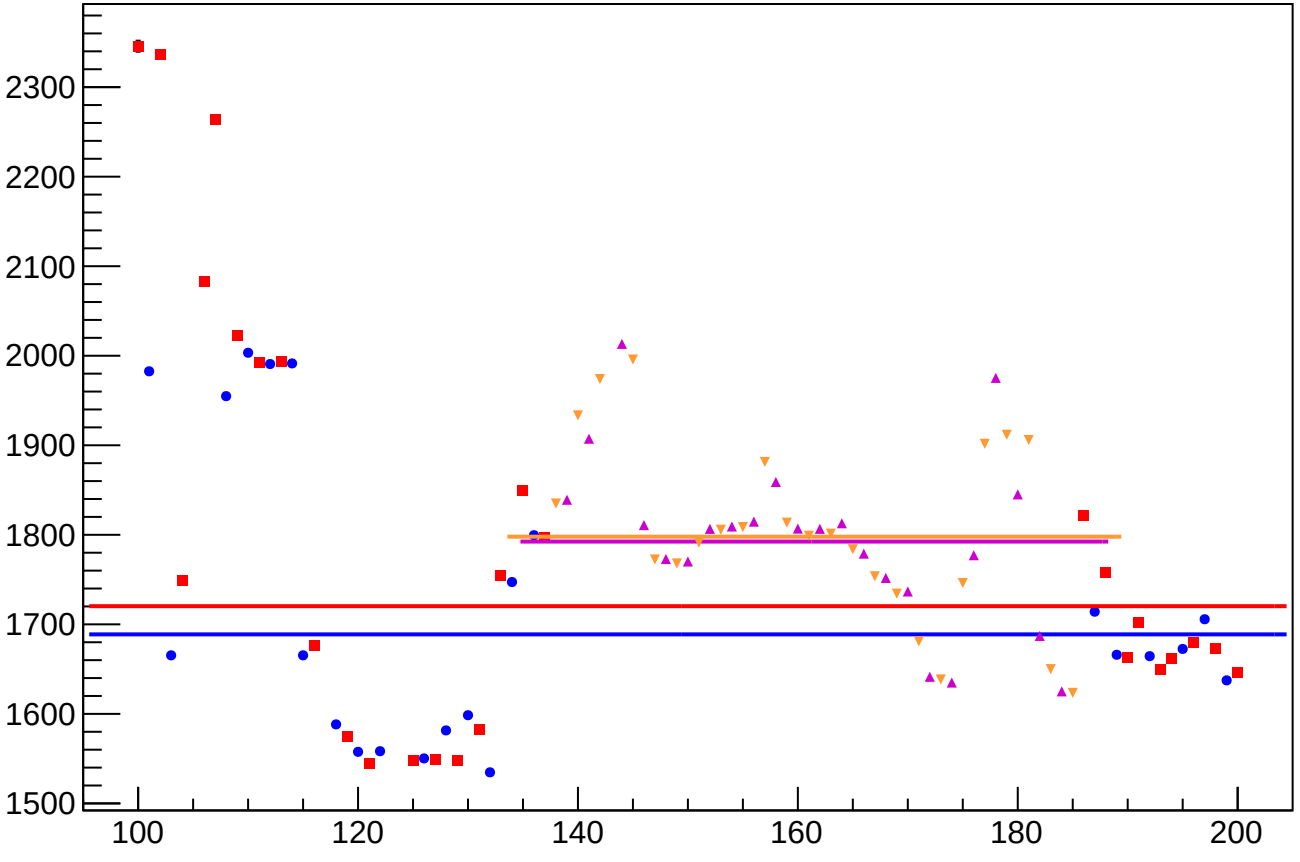
In: 1919.252+/-0.359 χ^2/NDF:30631394.9/44

Out: 1103.518+/-0.235 χ^2/NDF:42547508.1/52

All: 1348.892+/-0.197 χ^2/NDF: 76798600.7/9


dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 1851.685+/-499.348 χ²/NDF: 12.6/21
Left Out: 694.317+/-418.051 χ²/NDF:32.2/23
Right Out: 1742.588+/-473.206 χ²/NDF: 20.3/26
Left In: 2261.767+/-419.177 χ²/NDF:30.4/22
Left: 1475.934+/-296.004 χ²/NDF: 69.6/46
Right: 1794.206+/-343.477 χ²/NDF: 32.9/48
In: 2092.249+/-321.053 χ²/NDF:43.4/44
Out: 1153.829+/-313.301 χ²/NDF:55.2/50
All: 1611.572+/-224.228 χ²/NDF: 103.0/95

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1688.798+/-0.353 χ^2/NDF: 138860.3/21

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

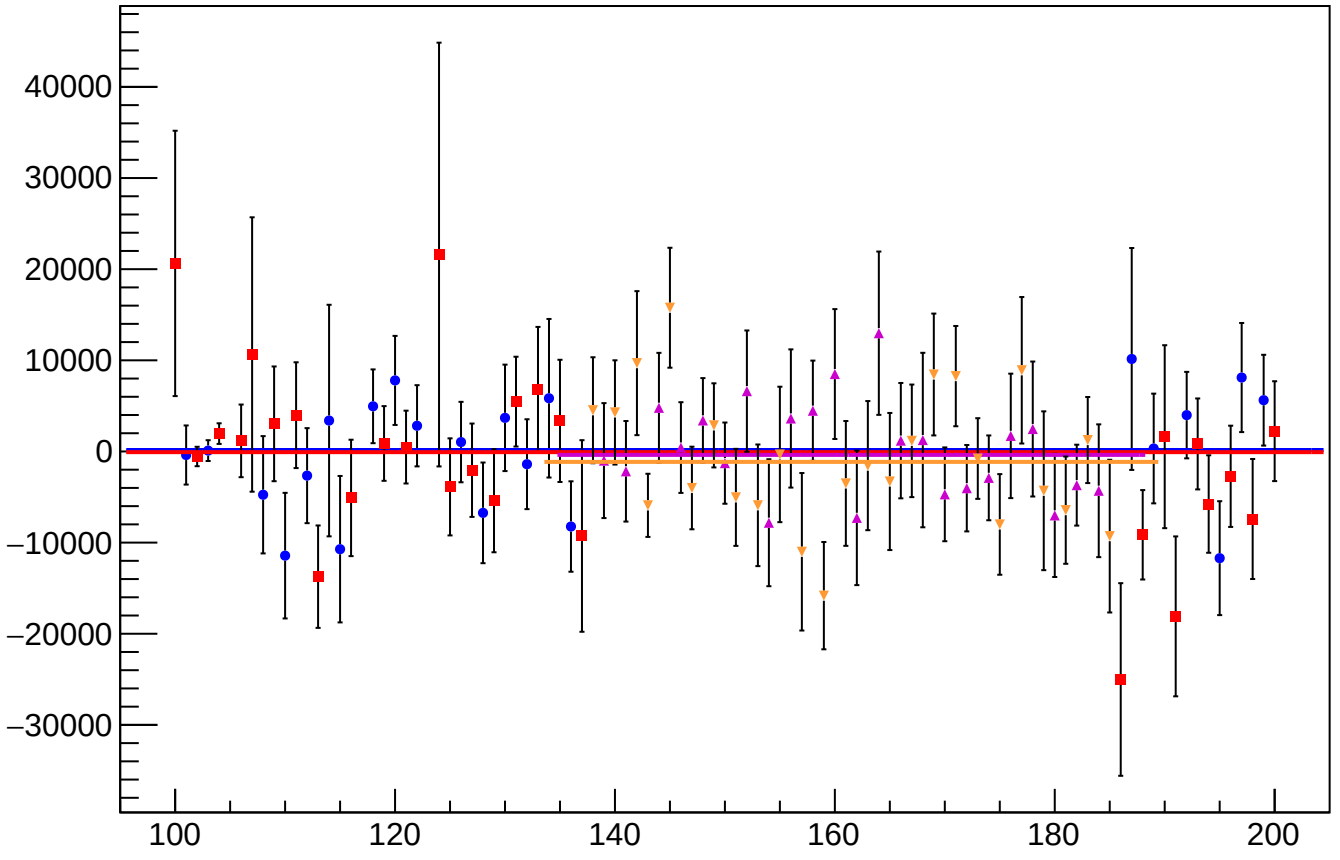
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1705.410+/-0.243 χ^2/NDF: 410927.8/48

In: 1749.603+/-0.227 χ^2/NDF:282288.2/44

Out: 1763.842+/-0.221 χ^2/NDF:396132.9/50

All: 1756.900+/-0.159 χ^2/NDF: 680437.2/95



Right In: 160.799+/-816.232 χ^2/NDF: 23.1/21

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -75.088+/-644.777 χ^2/NDF: 35.2/27

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

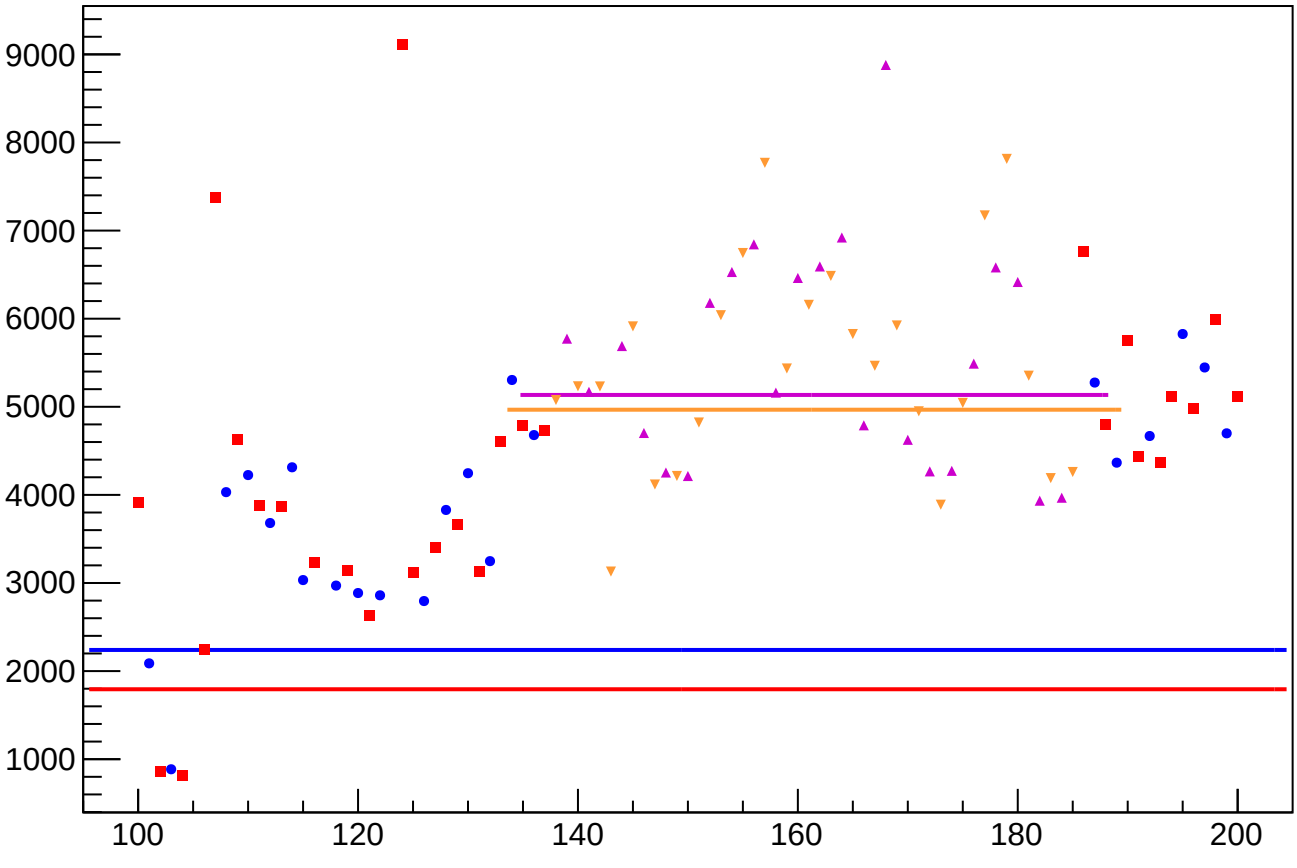
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 15.549+/-505.959 χ^2/NDF: 58.3/49

In: -3.231+/-679.886 χ^2/NDF:36.5/44

Out: -326.008+/-564.077 χ^2/NDF:68.4/52

All: -194.411+/-434.118 χ^2/NDF: 105.0/97



Right In: 2239.940+/-0.577 χ^2/NDF: 7372611.7/21

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

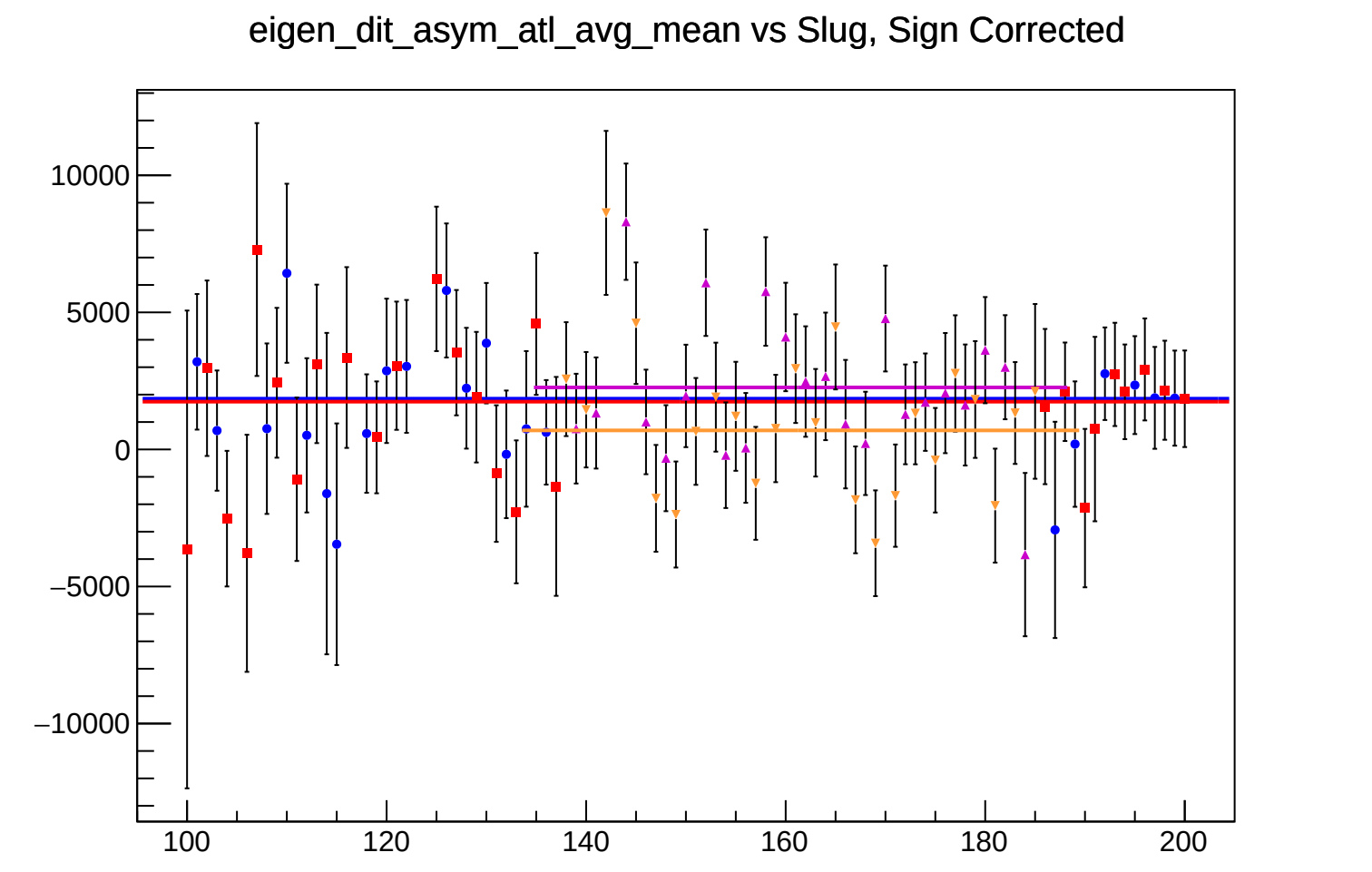
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1965.251+/-0.358 χ^2/NDF: 19453756.9/49

In: 3126.188+/-0.481 χ^2/NDF:16560425.7/44

Out: 2538.410+/-0.399 χ^2/NDF:24996764.3/52

All: 2778.049+/-0.307 χ^2/NDF: 42442558.7/9



Right In: 1851.681+/-499.348 χ^2/NDF: 12.6/21

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

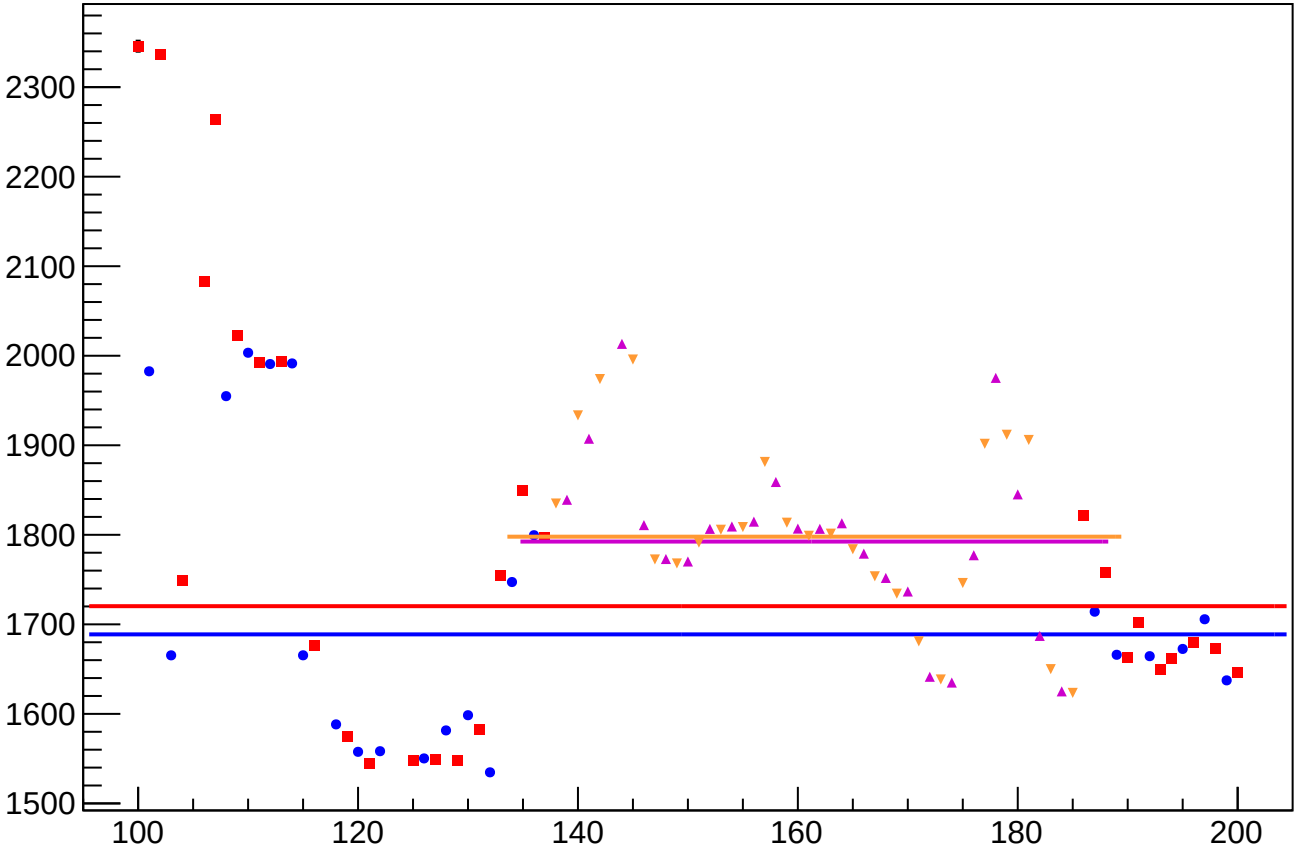
Right: 1794.203+/-343.477 χ^2/NDF: 32.9/48

In: 2092.246+/-321.053 χ^2/NDF:43.4/44

Out: 1153.825+/-313.301 χ^2/NDF:55.2/50

All: 1611.569+/-224.228 χ^2/NDF: 103.0/95

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1688.797+/-0.353 χ^2/NDF: 138860.6/21

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

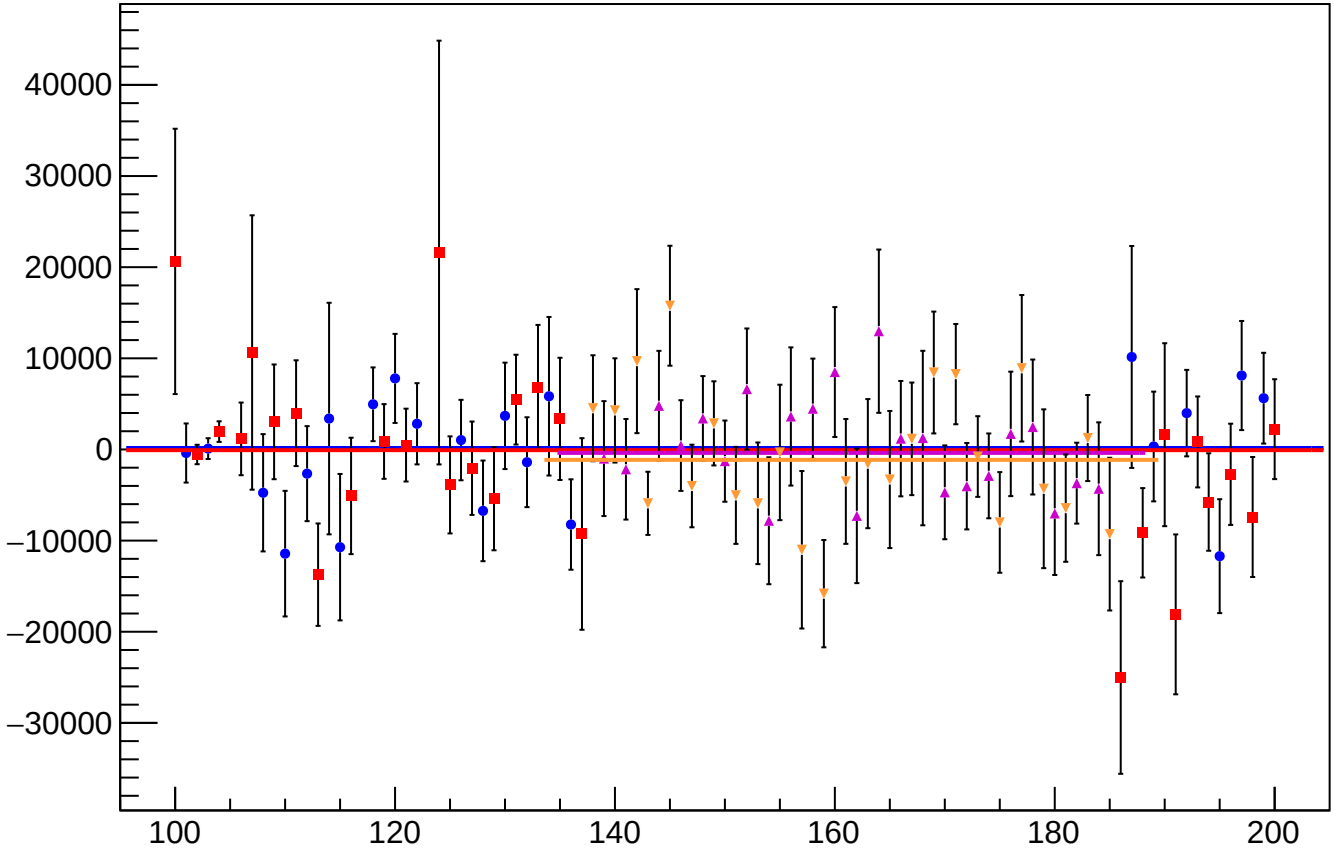
Right: 1705.410+/-0.243 χ^2/NDF: 410927.3/48

In: 1749.603+/-0.227 χ^2/NDF:282293.1/44

Out: 1763.842+/-0.221 χ^2/NDF:396136.6/50

All: 1756.900+/-0.159 χ^2/NDF: 680445.8/95

asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 160.800+/-816.228 χ^2/NDF: 23.1/21

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

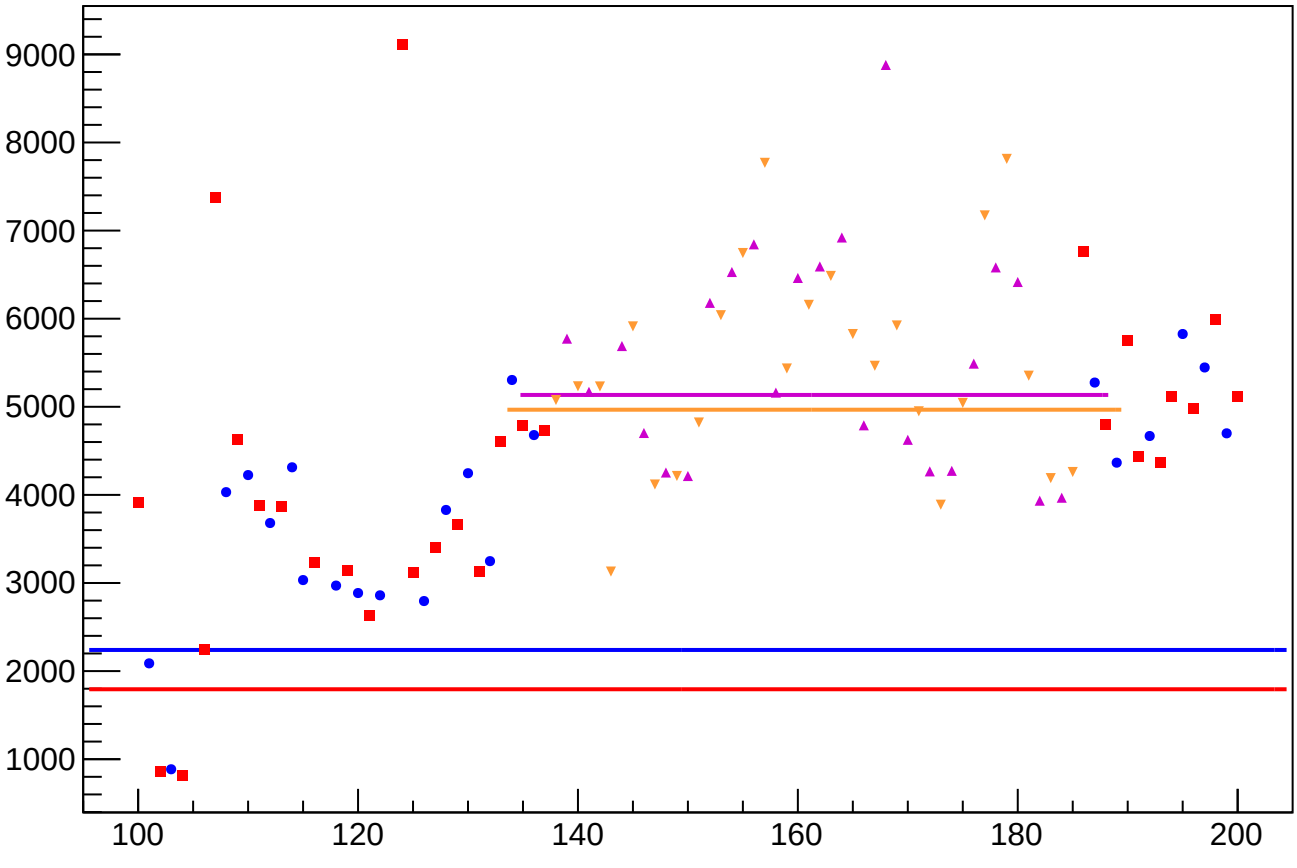
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 15.553+/-505.956 χ^2/NDF: 58.3/49

In: -3.229+/-679.884 χ^2/NDF:36.5/44

Out: -326.002+/-564.074 χ^2/NDF:68.4/52

All: -194.407+/-434.116 χ^2/NDF: 105.0/97



Right In: 2239.921+/-0.577 χ^2/NDF: 7372689.8/21

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

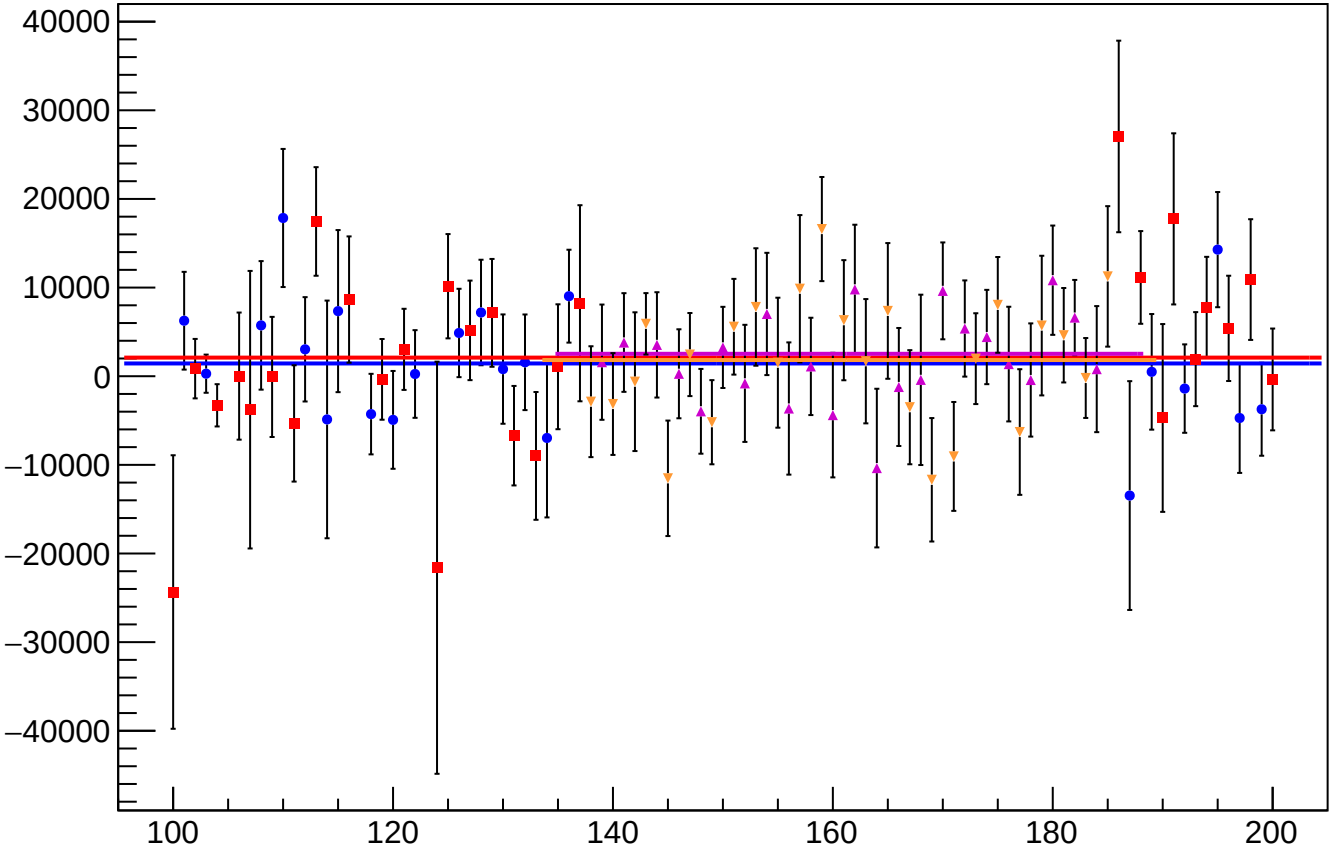
Right: 1965.233+/-0.358 χ^2/NDF: 19453926.7/49

In: 3126.169+/-0.481 χ^2/NDF:16560658.9/44

Out: 2538.389+/-0.399 χ^2/NDF:24997043.7/52

All: 2778.028+/-0.307 χ^2/NDF: 42443082.1/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1439.342+/-1127.588 χ^2/NDF: 21.5/21

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

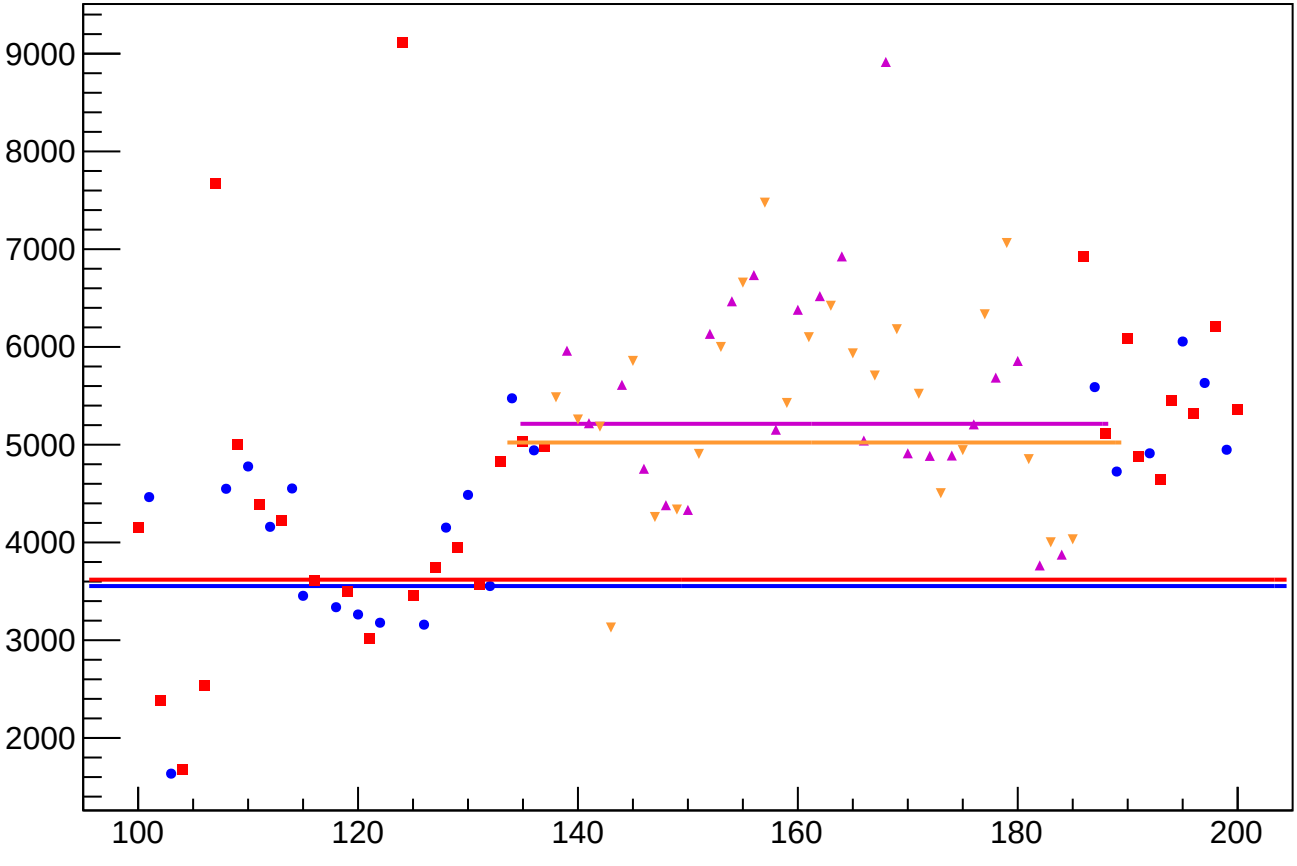
Right: 1784.235+/-779.271 χ^2/NDF: 62.5/49

In: 1931.890+/-834.862 χ^2/NDF:35.1/44

Out: 1974.318+/-793.636 χ^2/NDF:72.0/52

All: 1954.177+/-575.208 χ^2/NDF: 107.0/97

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3553.878+/-0.797 χ^2/NDF: 3020188.2/21

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

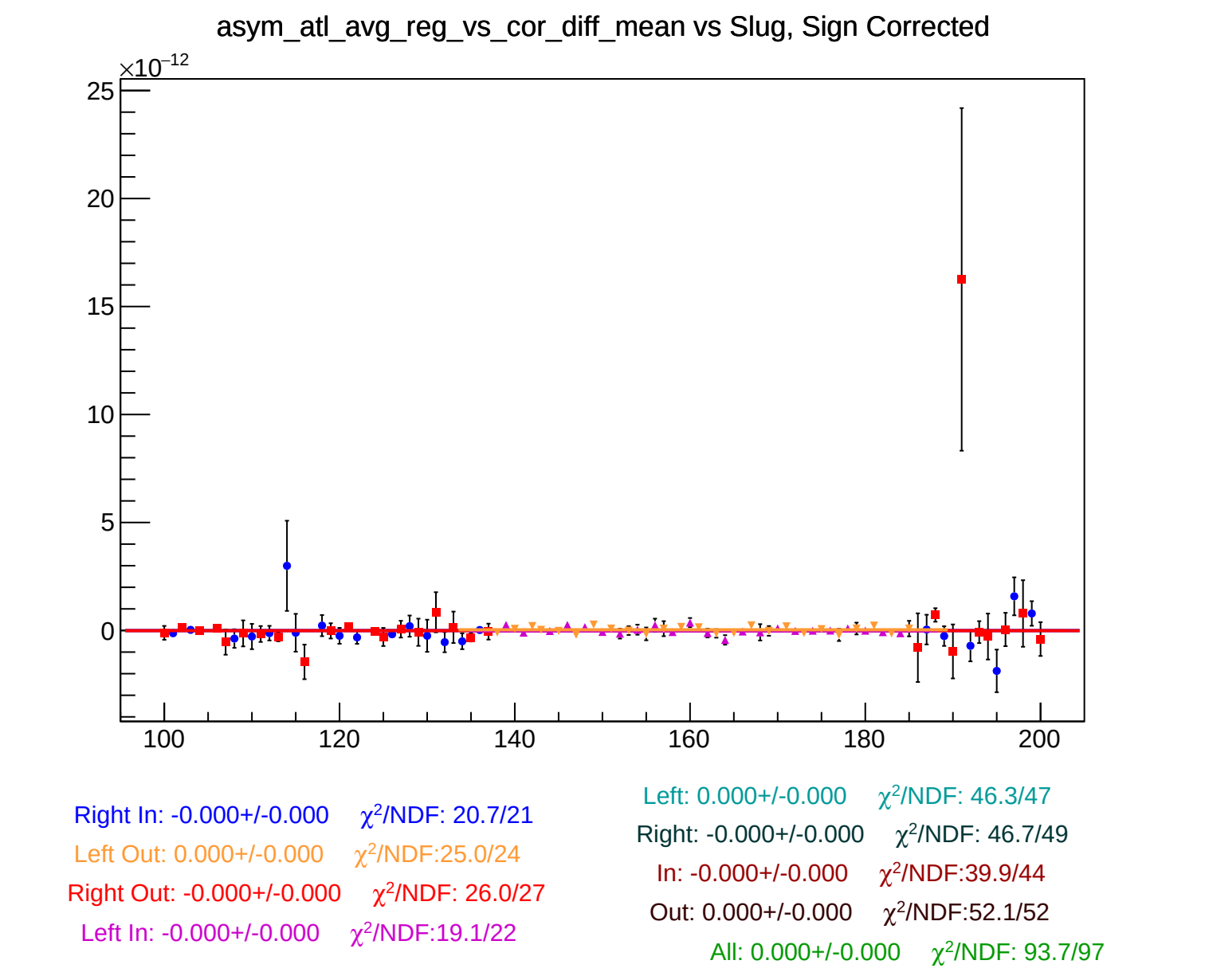
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

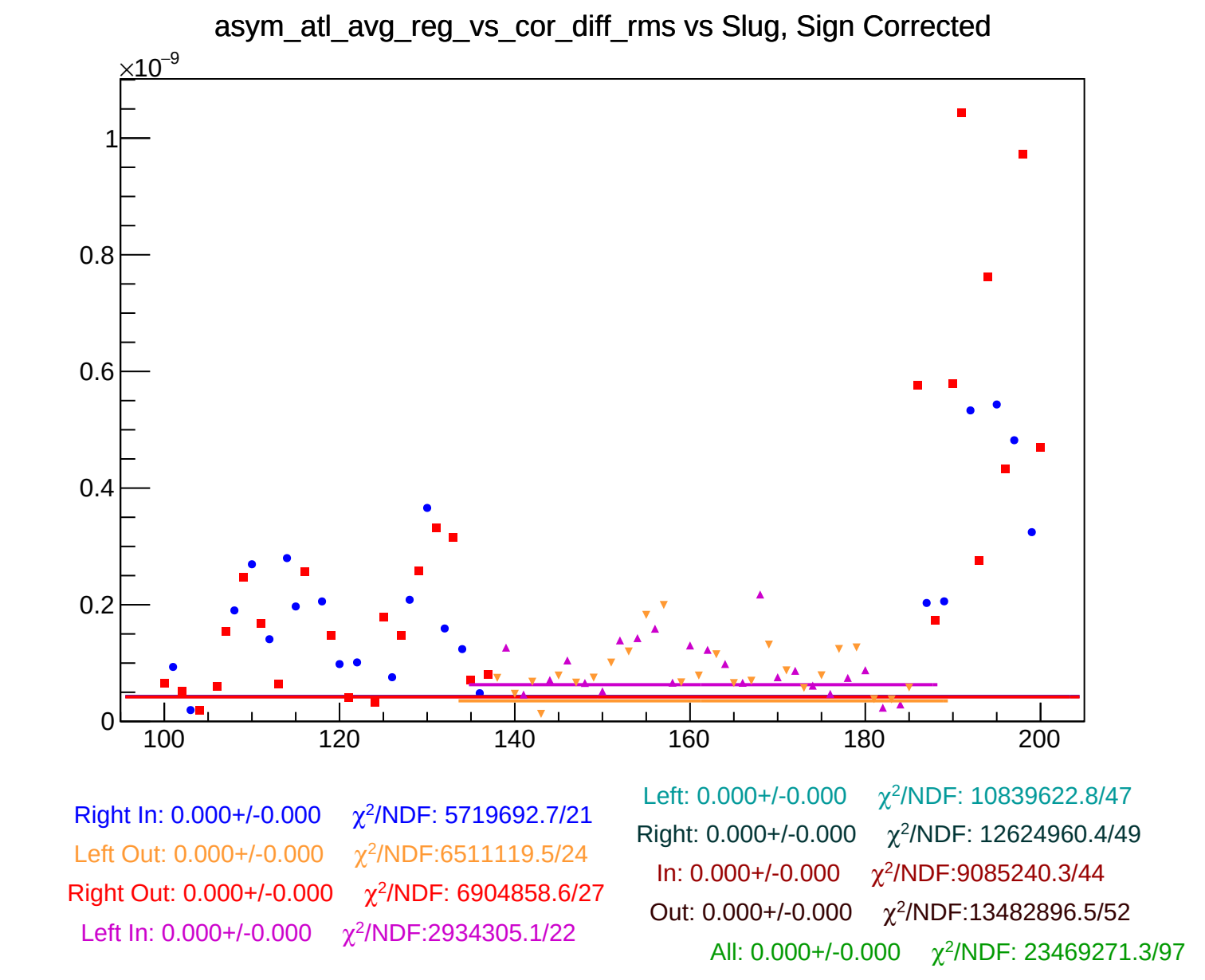
Right: 3588.480+/-0.548 χ^2/NDF: 6723718.5/49

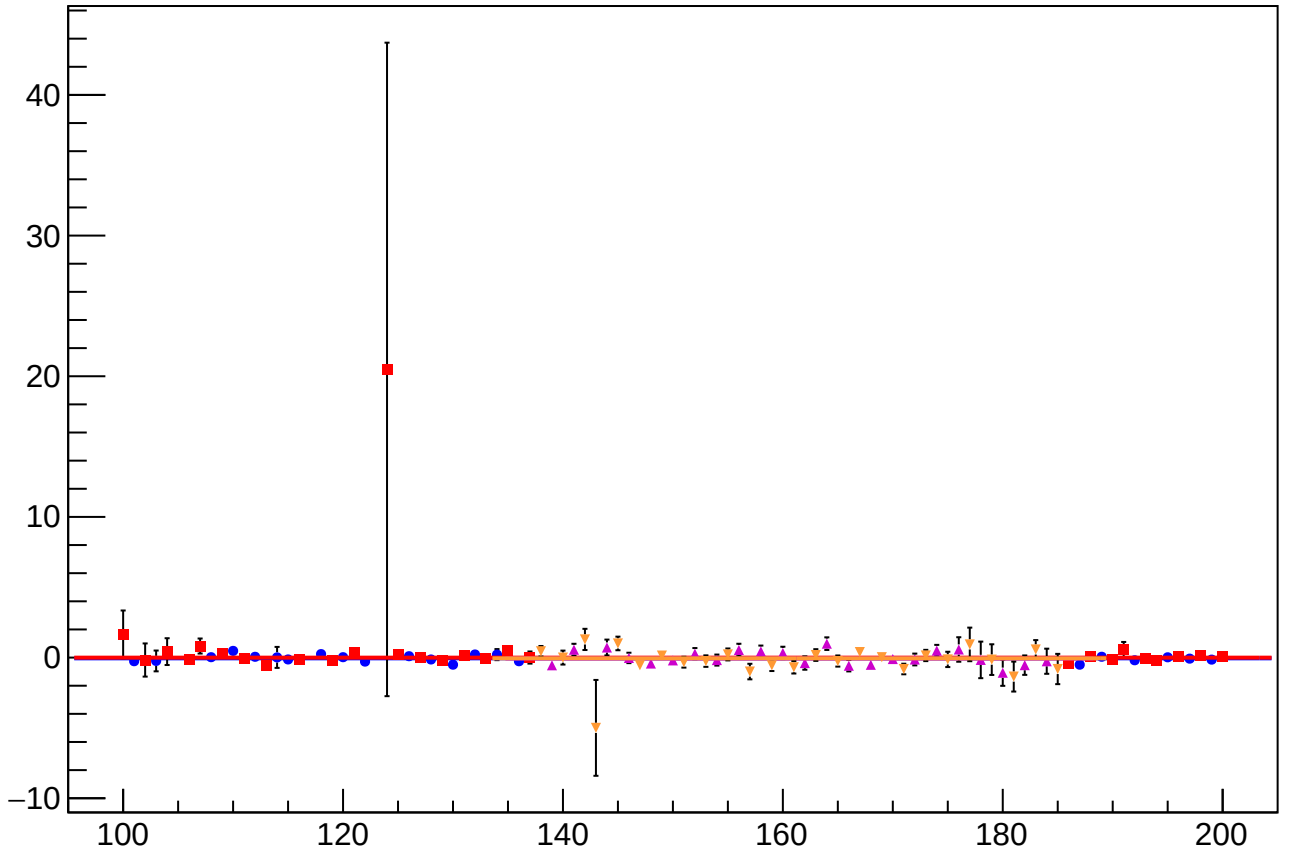
In: 4303.772+/-0.590 χ^2/NDF:6201197.6/44

Out: 4253.937+/-0.558 χ^2/NDF:6945190.7/52

All: 4277.433+/-0.405 χ^2/NDF: 13150154.8/9


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.7/21
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.0/27
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 46.3/47
Right: -0.000+/-0.000 χ²/NDF: 46.7/49
In: -0.000+/-0.000 χ²/NDF:39.9/44
Out: 0.000+/-0.000 χ²/NDF:52.1/52
All: 0.000+/-0.000 χ²/NDF: 93.7/97


asym_atl_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5719692.7/21
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6904858.6/27
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
Left: 0.000+/-0.000 χ²/NDF: 10839622.8/47
Right: 0.000+/-0.000 χ²/NDF: 12624960.4/49
In: 0.000+/-0.000 χ²/NDF:9085240.3/44
Out: 0.000+/-0.000 χ²/NDF:13482896.5/52
All: 0.000+/-0.000 χ²/NDF: 23469271.3/97



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

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

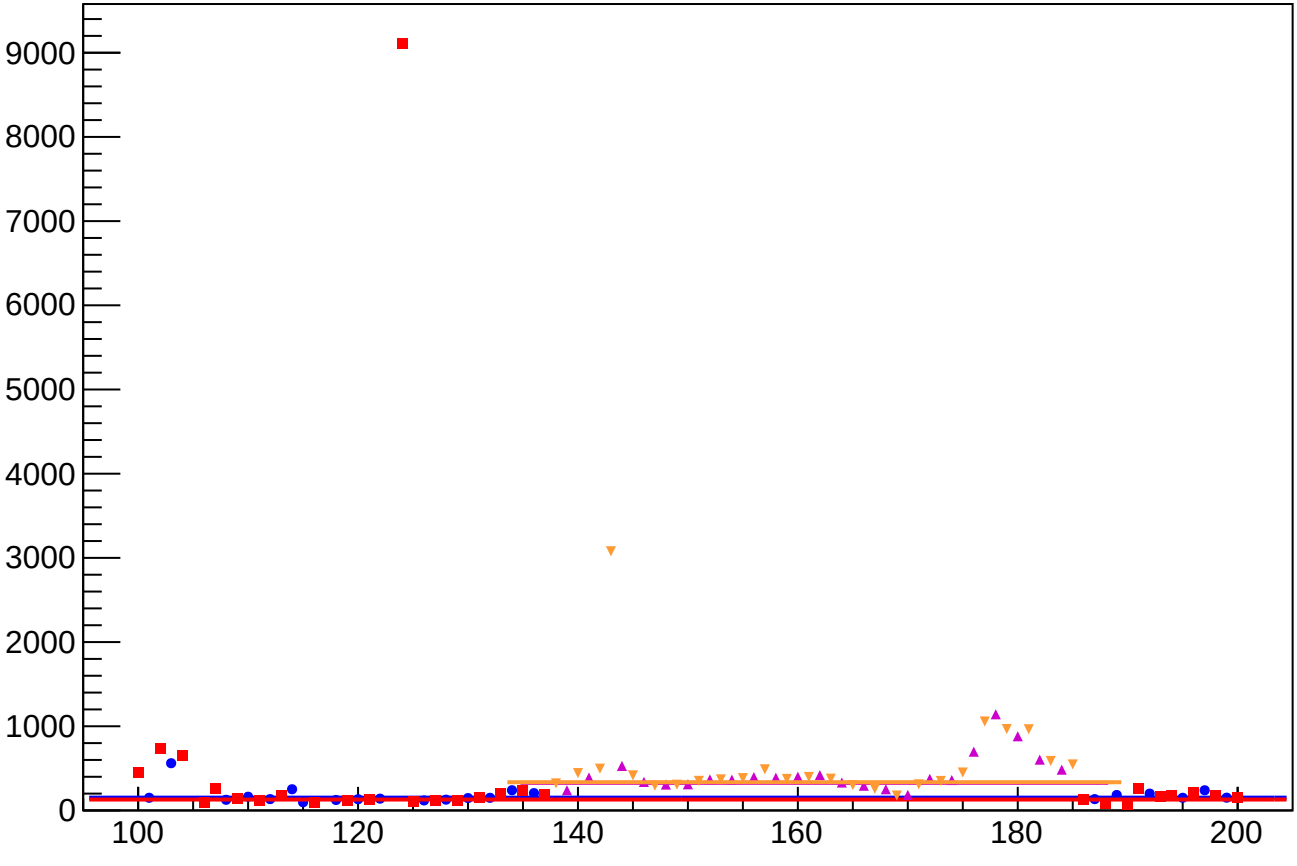
Right: -0.025+/-0.031 χ^2/NDF: 50.5/49

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.032+/-0.027 χ^2/NDF: 111.9/97

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

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

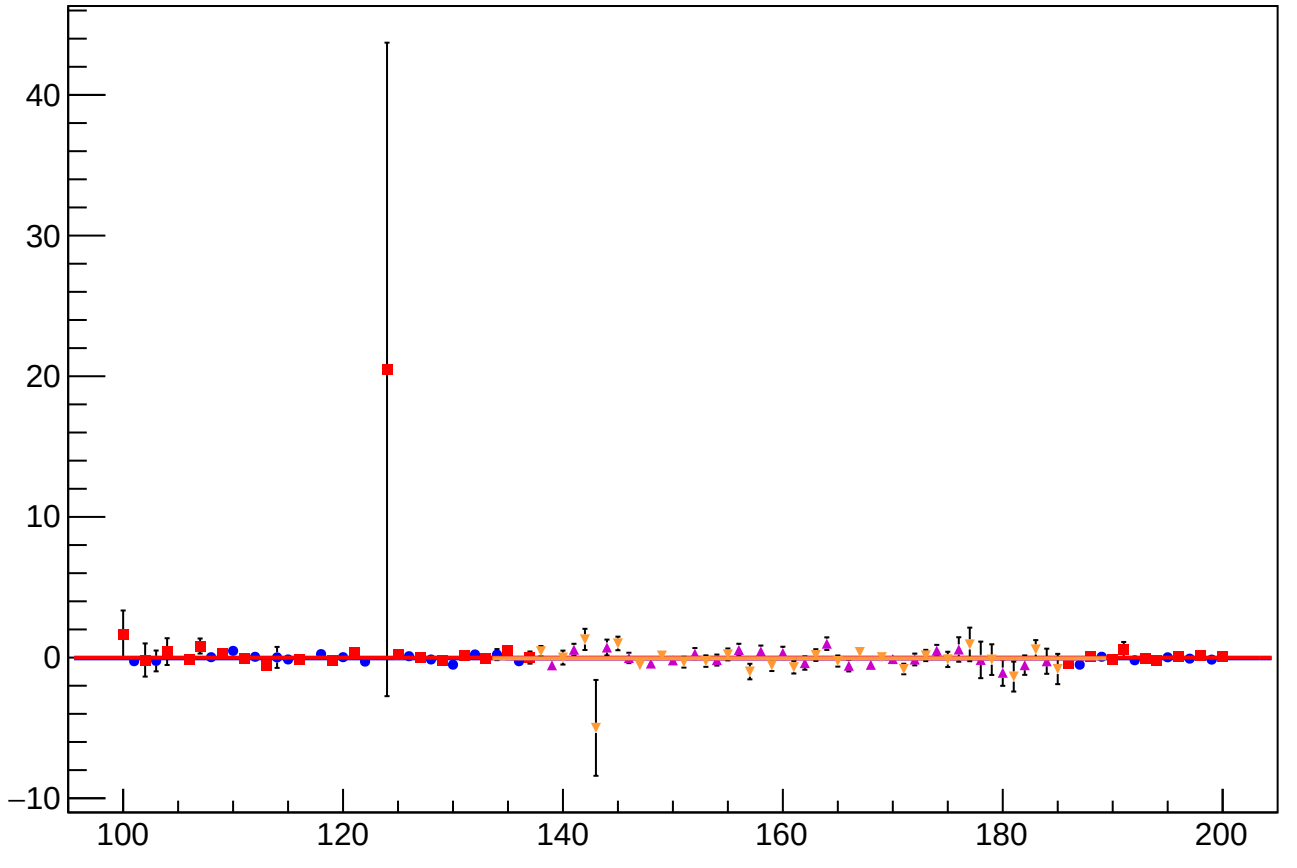
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.868+/-0.022 χ^2/NDF: 5423114.2/49

In: 196.691+/-0.029 χ^2/NDF:12351372.0/44

Out: 167.341+/-0.026 χ^2/NDF:19160465.0/52

All: 179.968+/-0.019 χ^2/NDF: 32076828.1/97



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

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

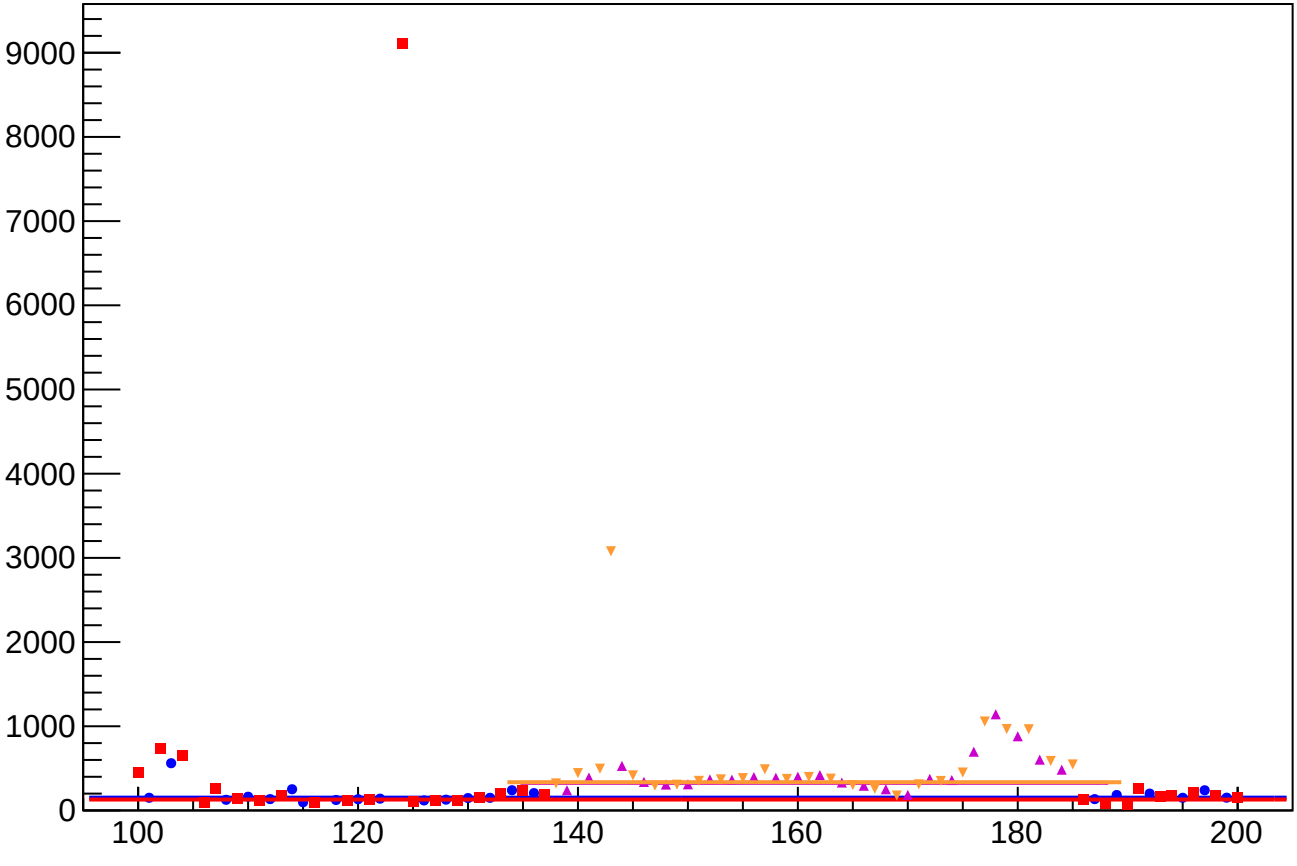
Right: -0.025+/-0.031 χ^2/NDF: 50.5/49

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.032+/-0.027 χ^2/NDF: 111.9/97

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

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

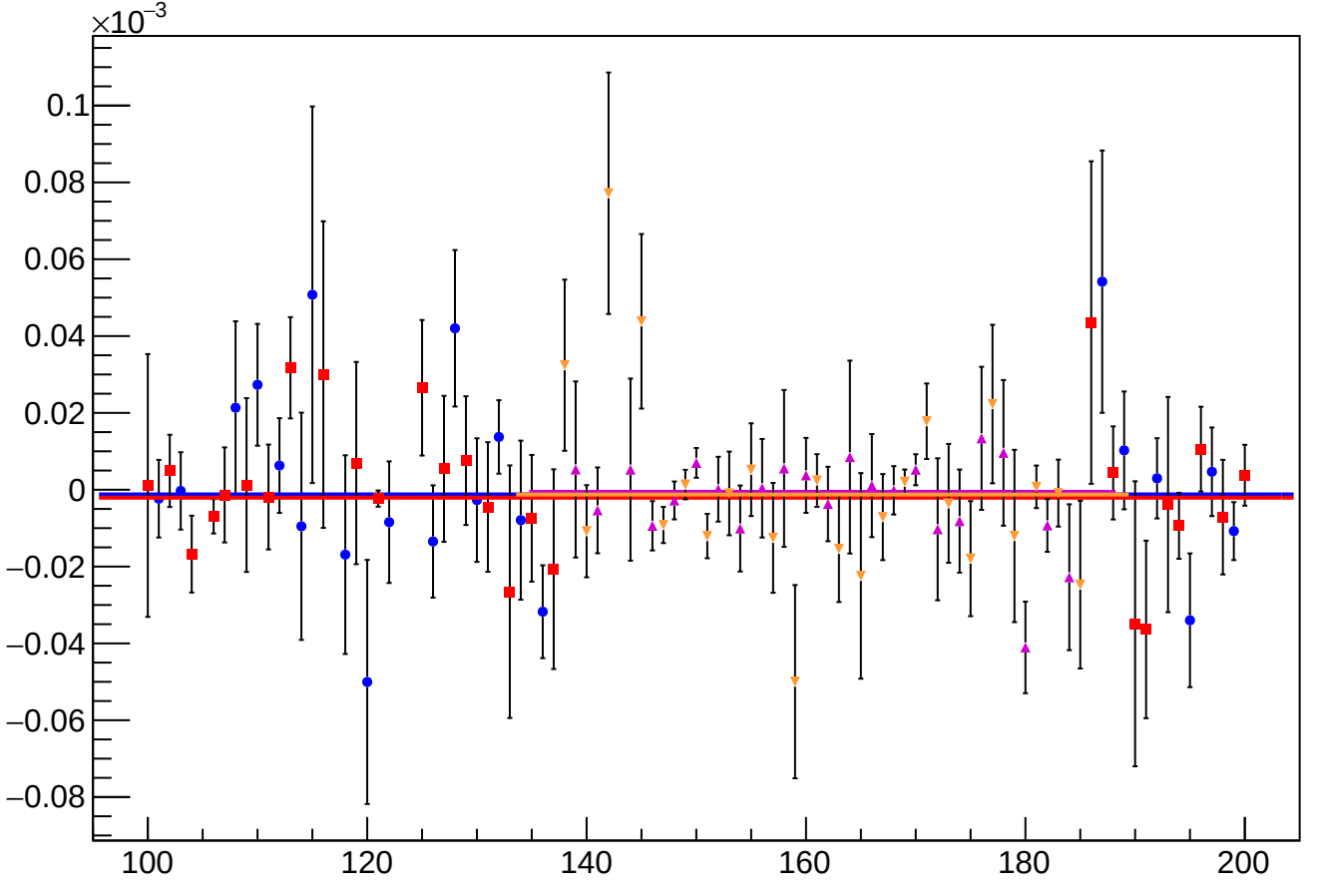
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.868+/-0.022 χ^2/NDF: 5423114.2/49

In: 196.691+/-0.029 χ^2/NDF:12351372.0/44

Out: 167.341+/-0.026 χ^2/NDF:19160465.0/52

All: 179.968+/-0.019 χ^2/NDF: 32076828.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/21

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

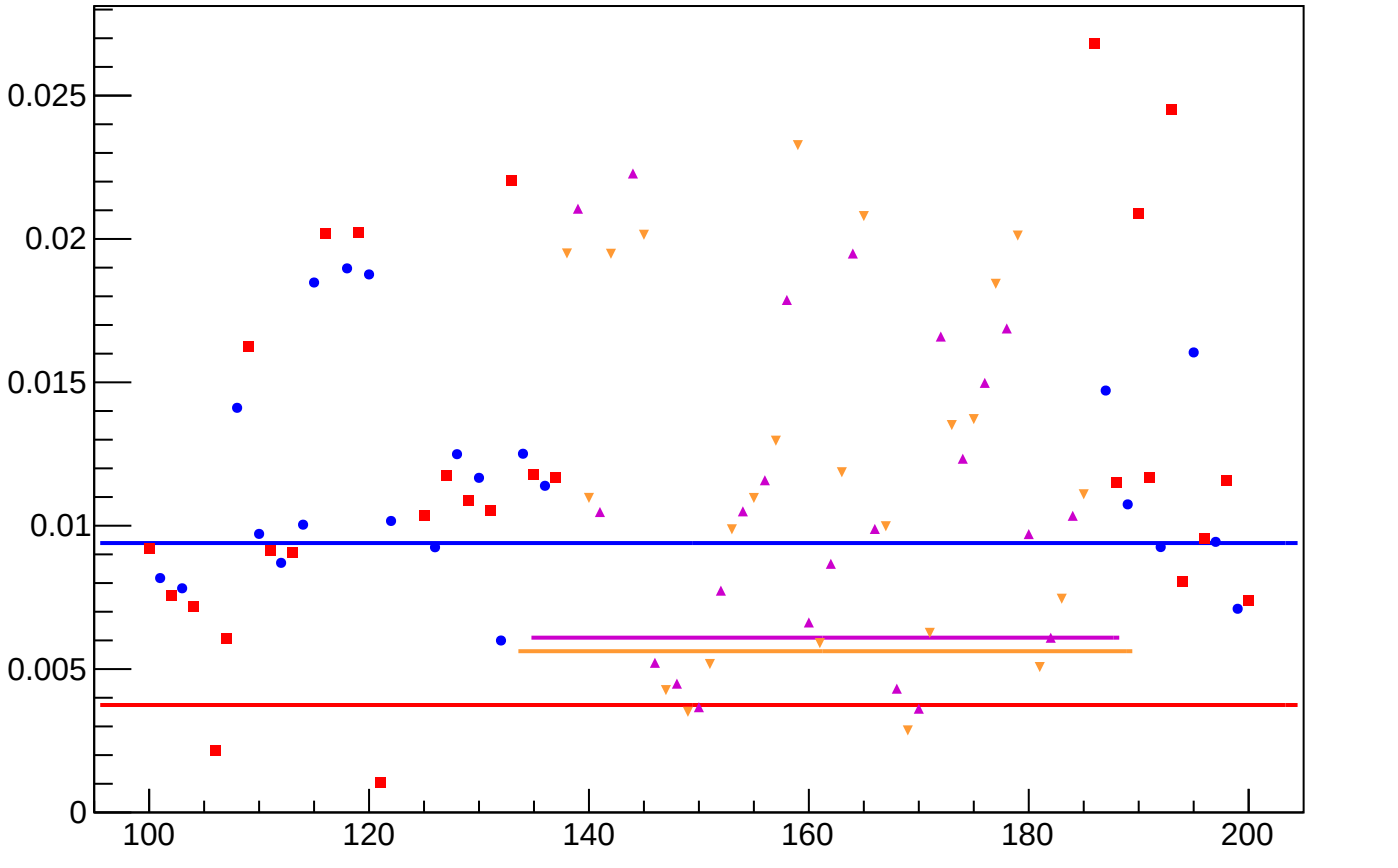
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 54.5/48

In: -0.000+/-0.000 χ^2/NDF:57.2/44

Out: -0.000+/-0.000 χ^2/NDF:58.6/50

All: -0.000+/-0.000 χ^2/NDF: 116.1/95



Right In: 0.009+/-0.000 χ^2/NDF: 1676404.9/21

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

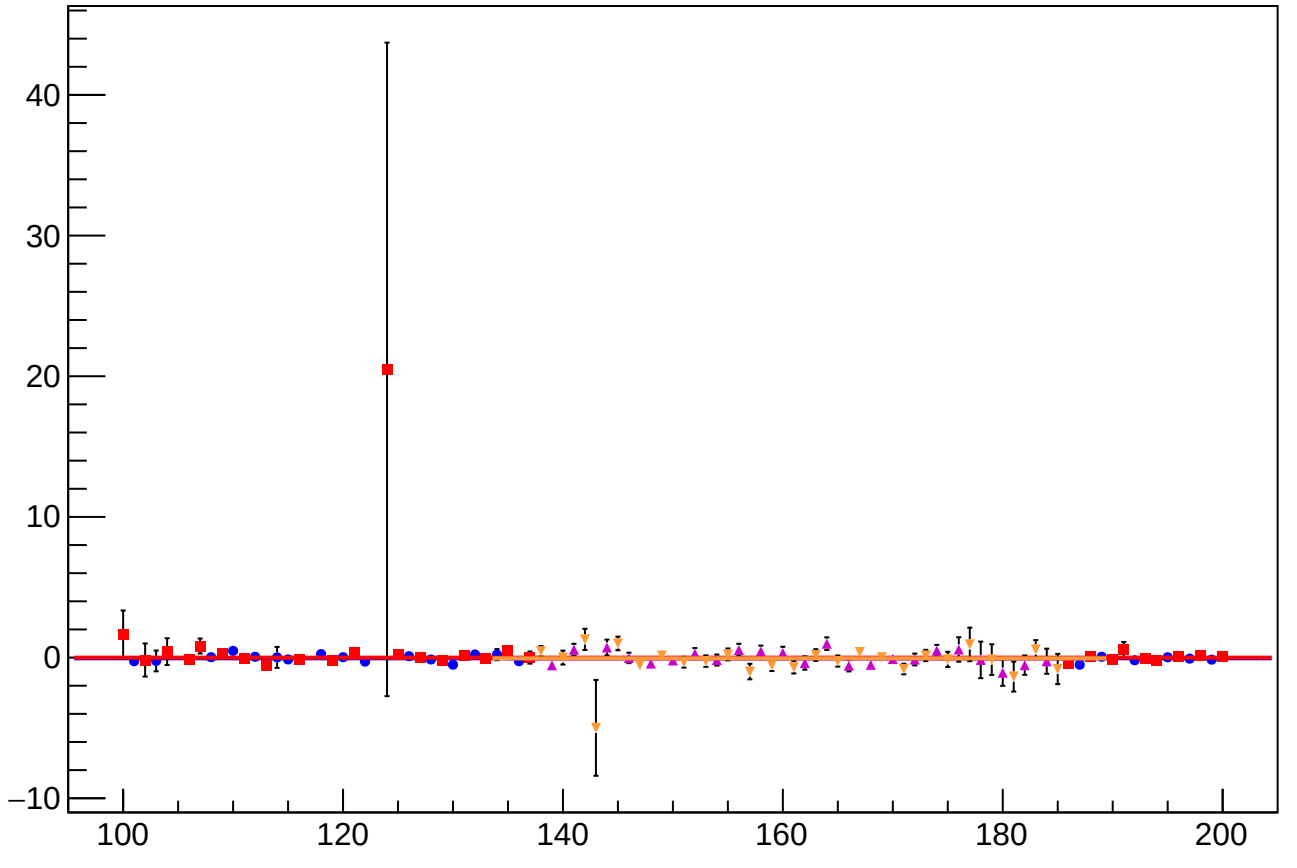
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 21699811.0/48

In: 0.007+/-0.000 χ^2/NDF:12327150.7/44

Out: 0.005+/-0.000 χ^2/NDF:26934883.0/50

All: 0.006+/-0.000 χ^2/NDF: 42163374.9/95



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

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

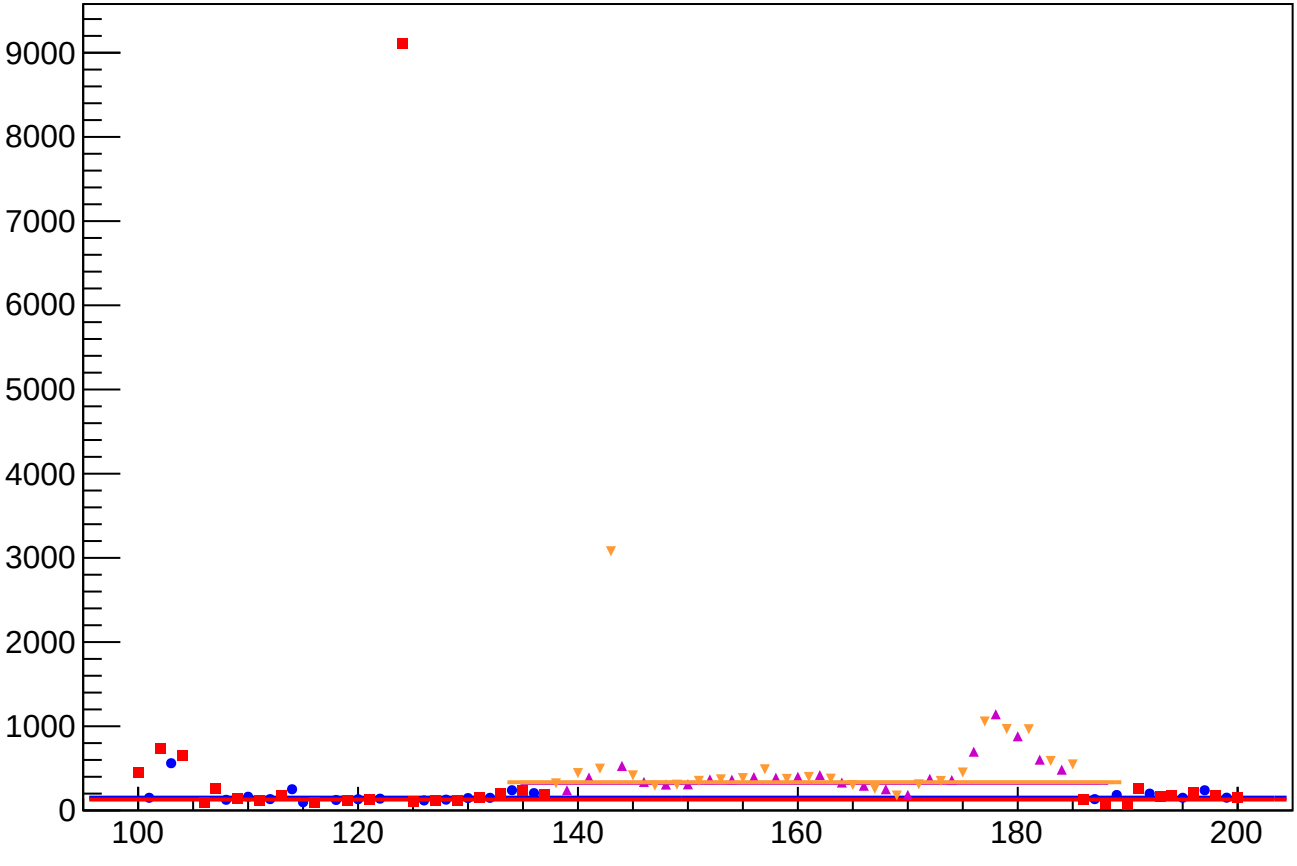
Right: -0.025+/-0.031 χ^2/NDF: 50.5/49

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.032+/-0.027 χ^2/NDF: 111.9/97

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

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

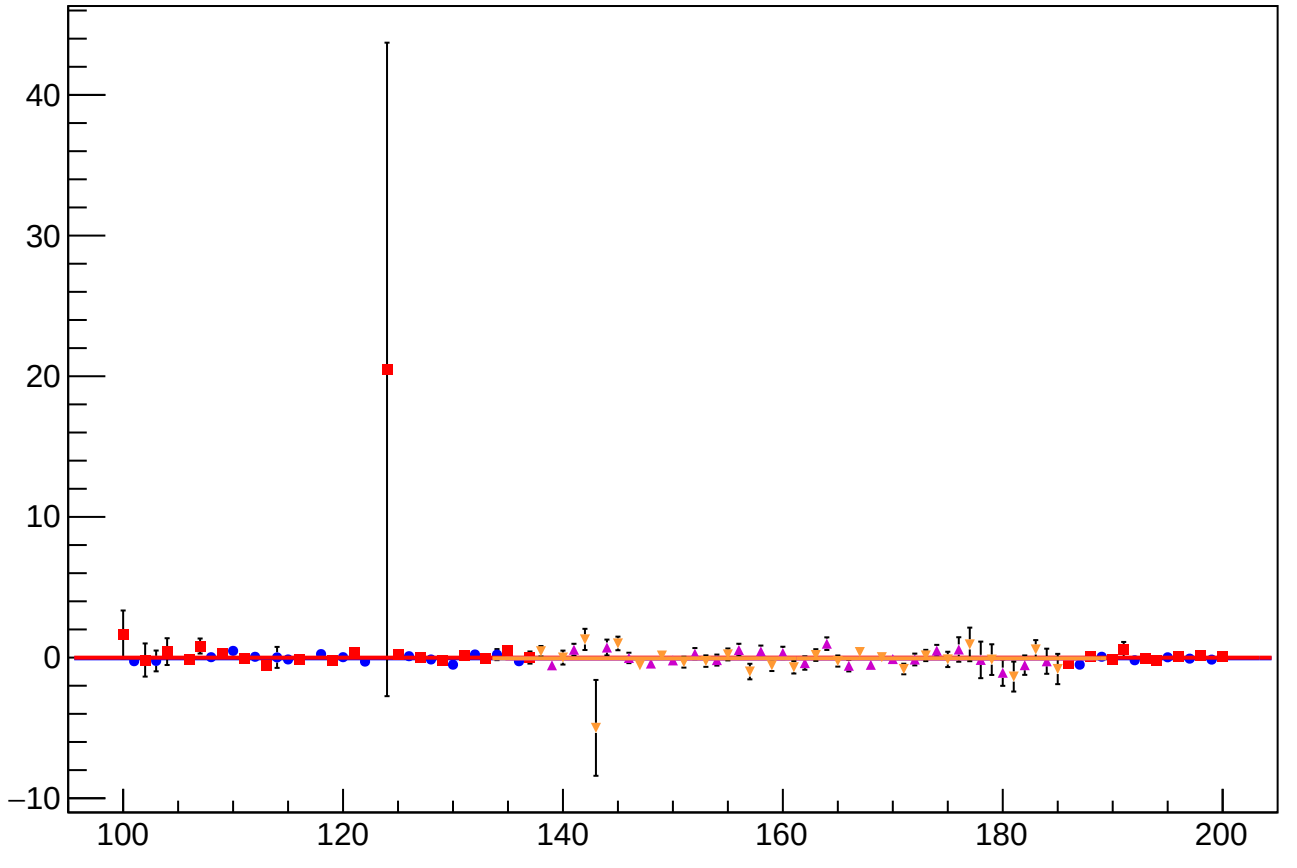
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.867+/-0.022 χ^2/NDF: 5423195.7/49

In: 196.690+/-0.029 χ^2/NDF:12351634.6/44

Out: 167.339+/-0.026 χ^2/NDF:19160869.9/52

All: 179.966+/-0.019 χ^2/NDF: 32077546.7/97



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

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

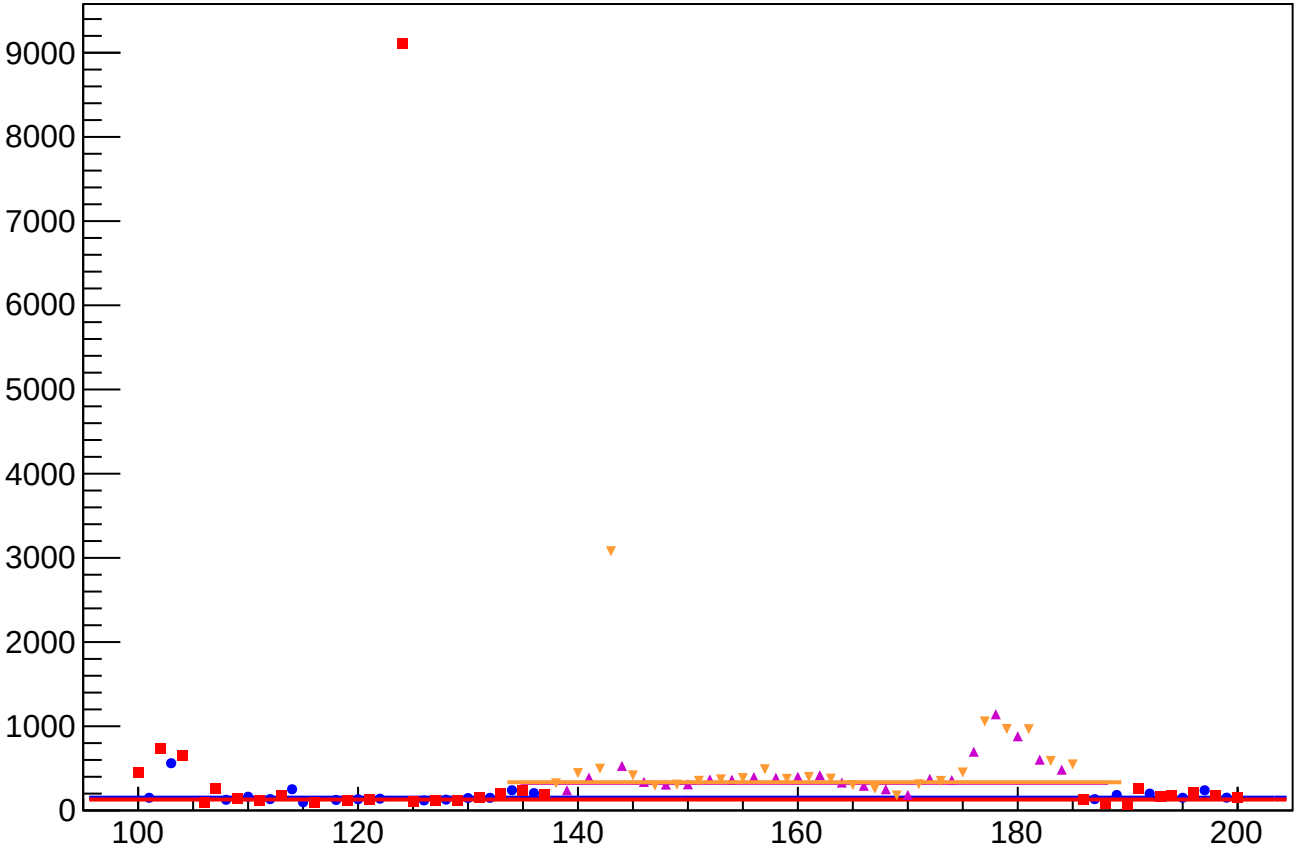
Right: -0.025+/-0.031 χ^2/NDF: 50.5/49

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.014+/-0.036 χ^2/NDF:62.8/52

All: -0.032+/-0.027 χ^2/NDF: 111.9/97

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

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

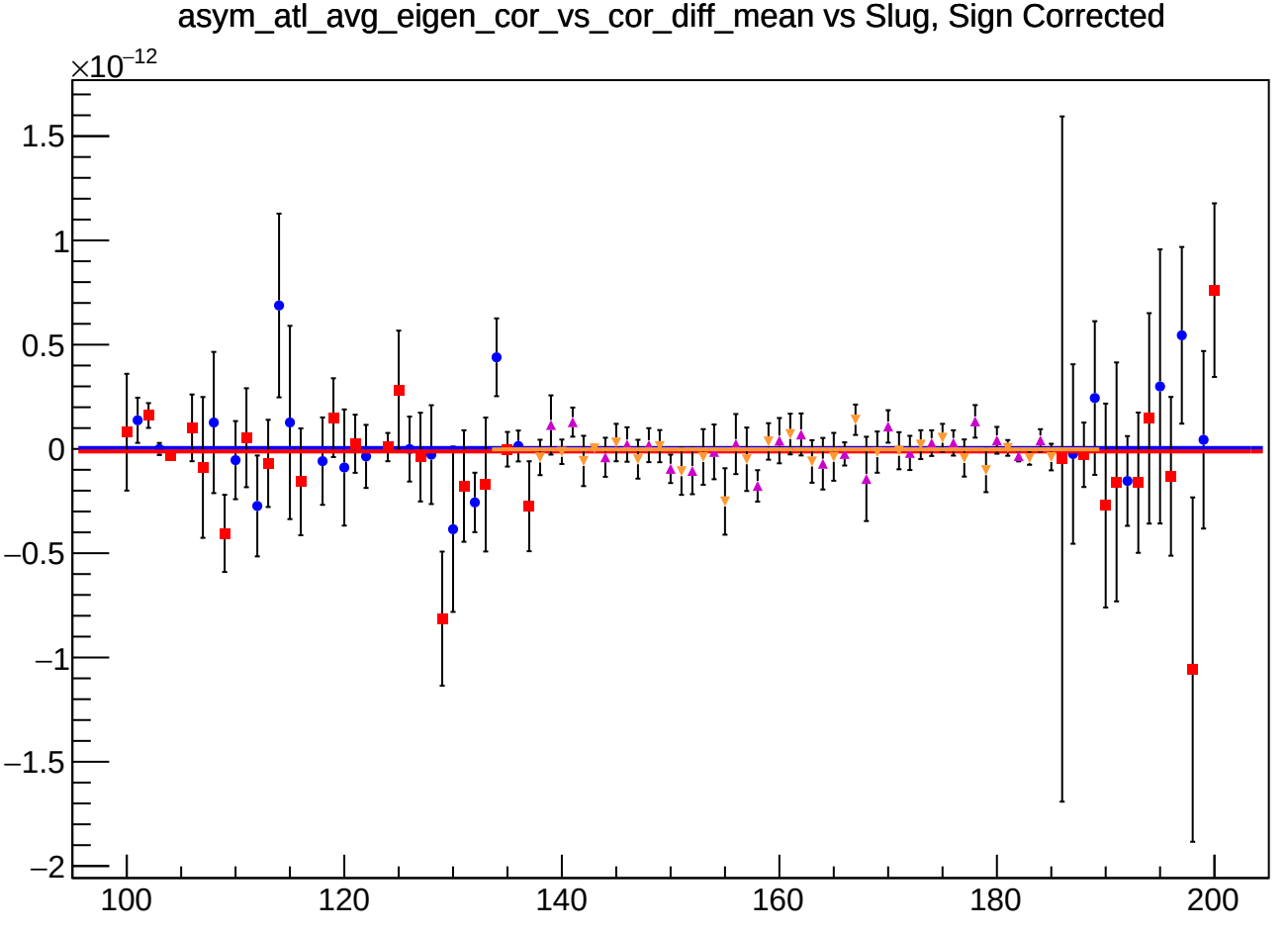
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.867+/-0.022 χ^2/NDF: 5423195.7/49

In: 196.690+/-0.029 χ^2/NDF:12351634.6/44

Out: 167.339+/-0.026 χ^2/NDF:19160869.9/52

All: 179.966+/-0.019 χ^2/NDF: 32077546.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

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

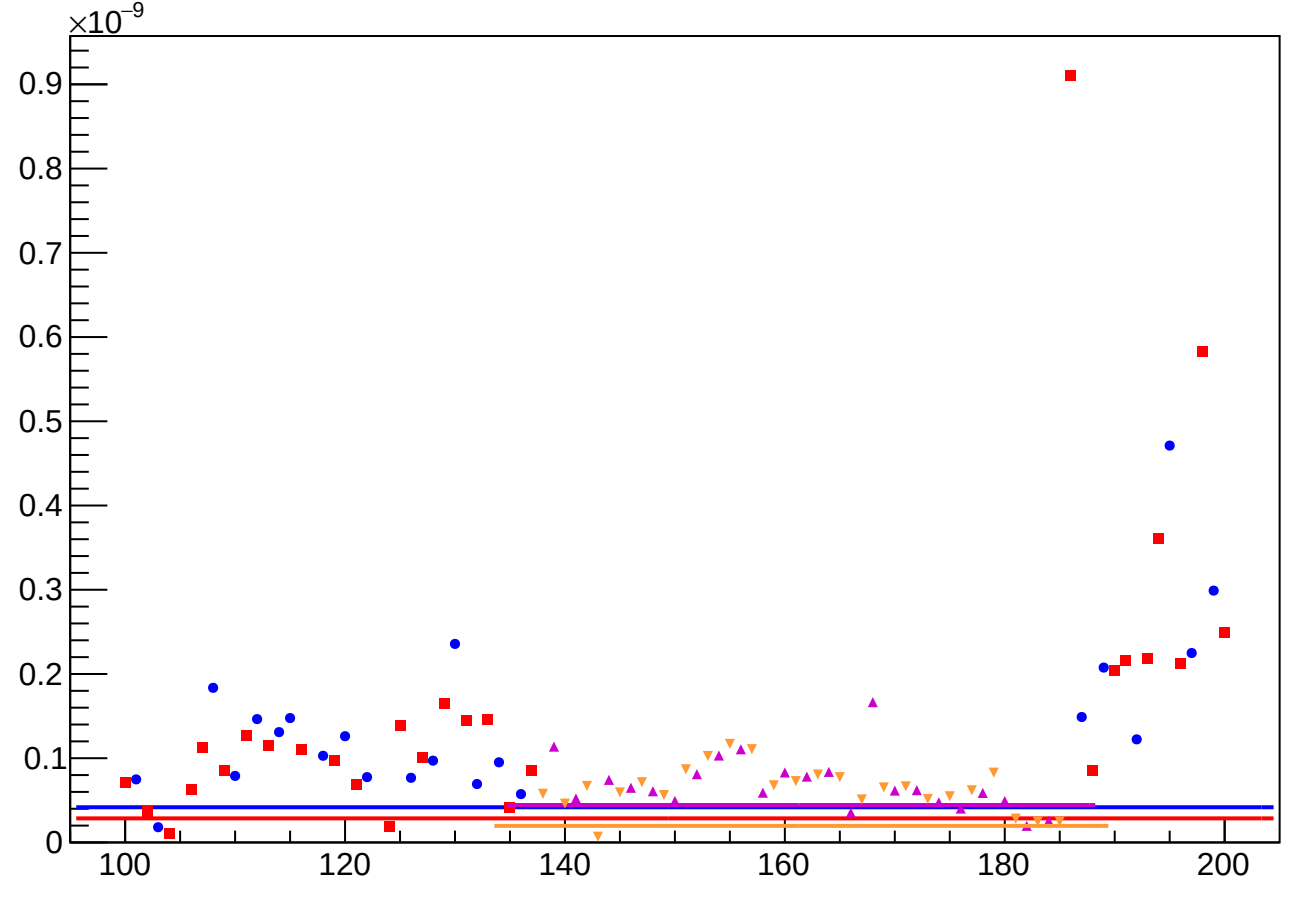
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 49.7/49

In: -0.000+/-0.000 χ^2/NDF:41.0/44

Out: -0.000+/-0.000 χ^2/NDF:44.8/52

All: -0.000+/-0.000 χ^2/NDF: 85.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 6765518.6/21

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

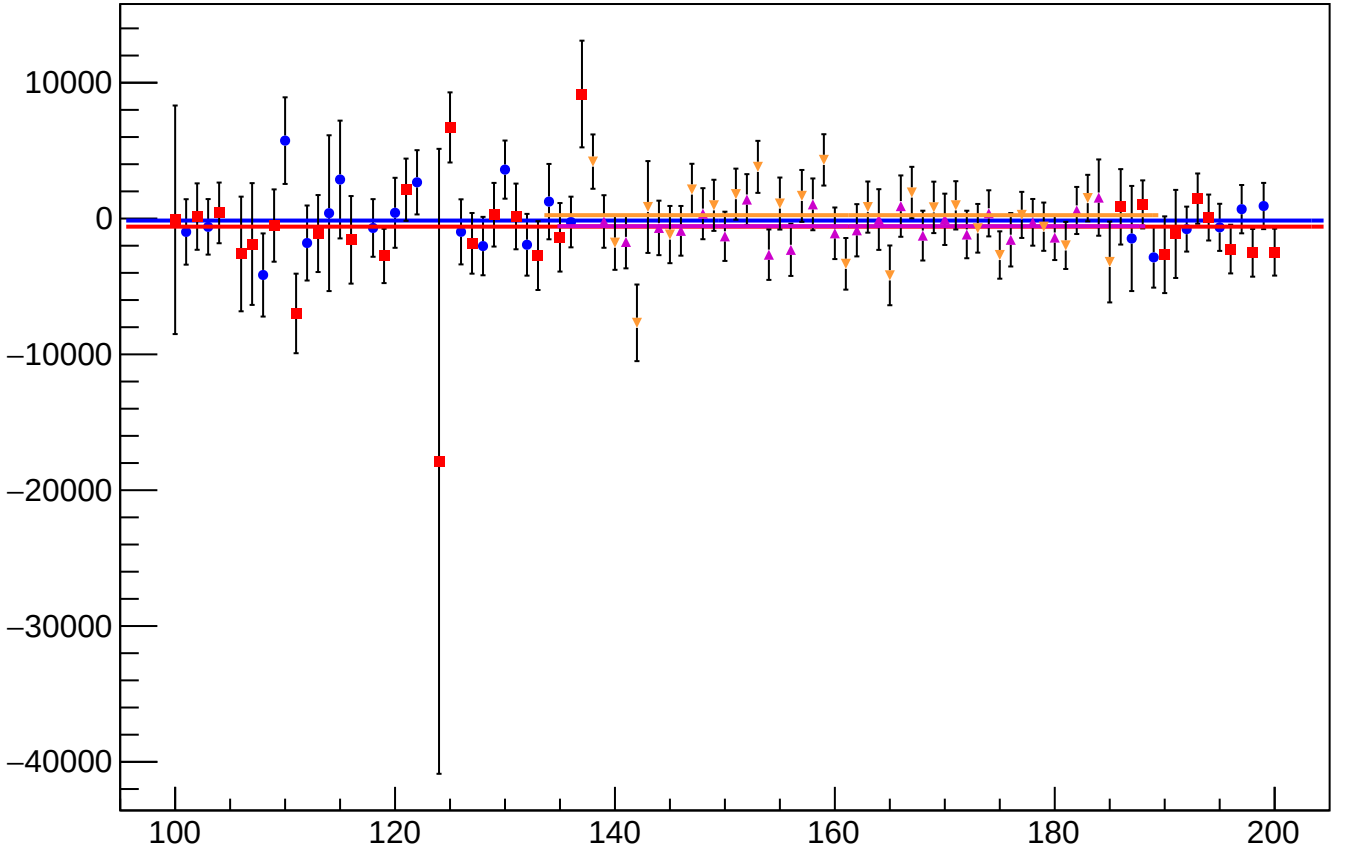
Right: 0.000+/-0.000 χ^2/NDF: 16679551.8/49

In: 0.000+/-0.000 χ^2/NDF:12704226.2/44

Out: 0.000+/-0.000 χ^2/NDF:24803290.6/52

All: 0.000+/-0.000 χ^2/NDF: 42472112.5/97

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -147.975+/-486.250 χ^2/NDF: 14.9/21

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

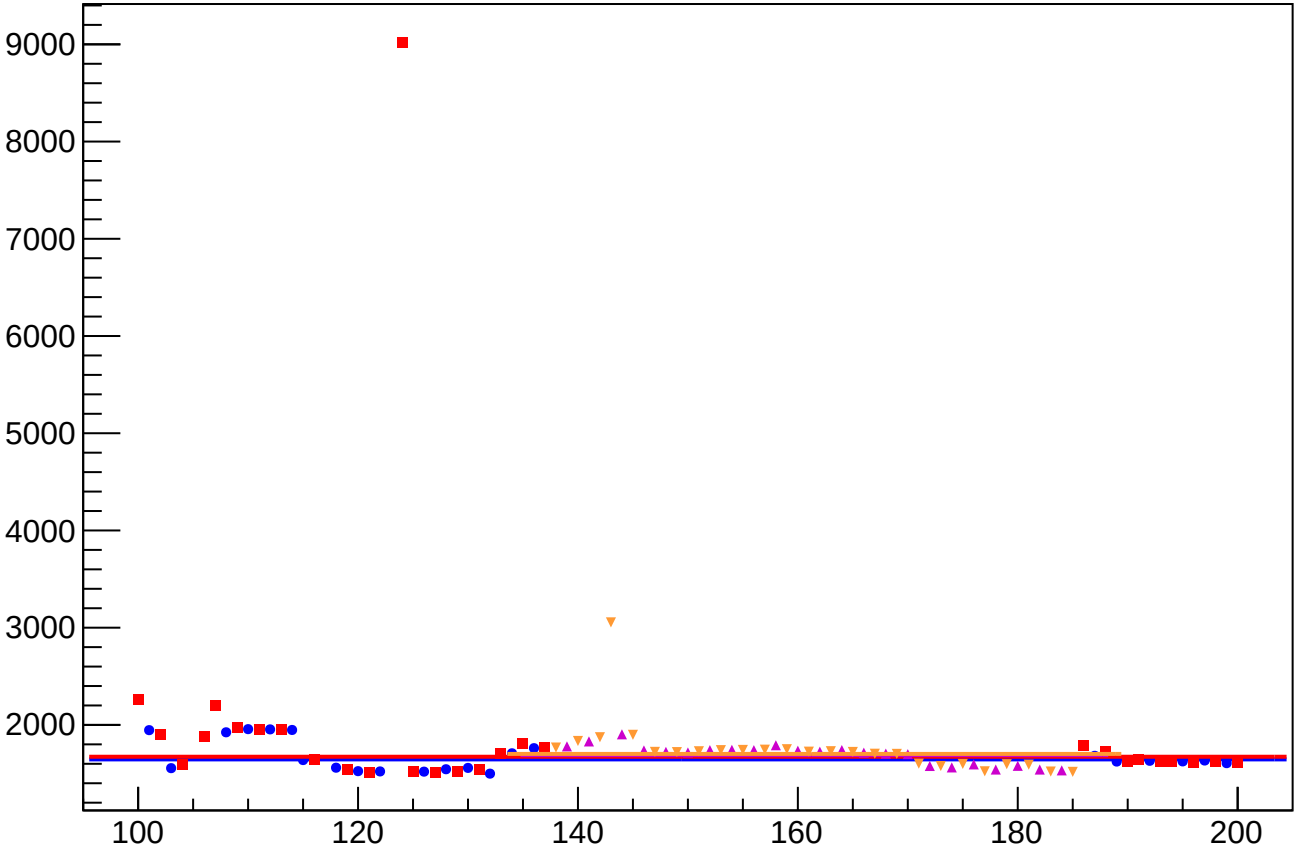
Right: -386.247+/-333.288 χ^2/NDF: 45.9/49

In: -396.139+/-306.641 χ^2/NDF:22.9/44

Out: -106.207+/-296.339 χ^2/NDF:72.1/52

All: -246.221+/-213.092 χ^2/NDF: 95.4/97

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.213+/-0.344 χ^2/NDF: 146638.6/21

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

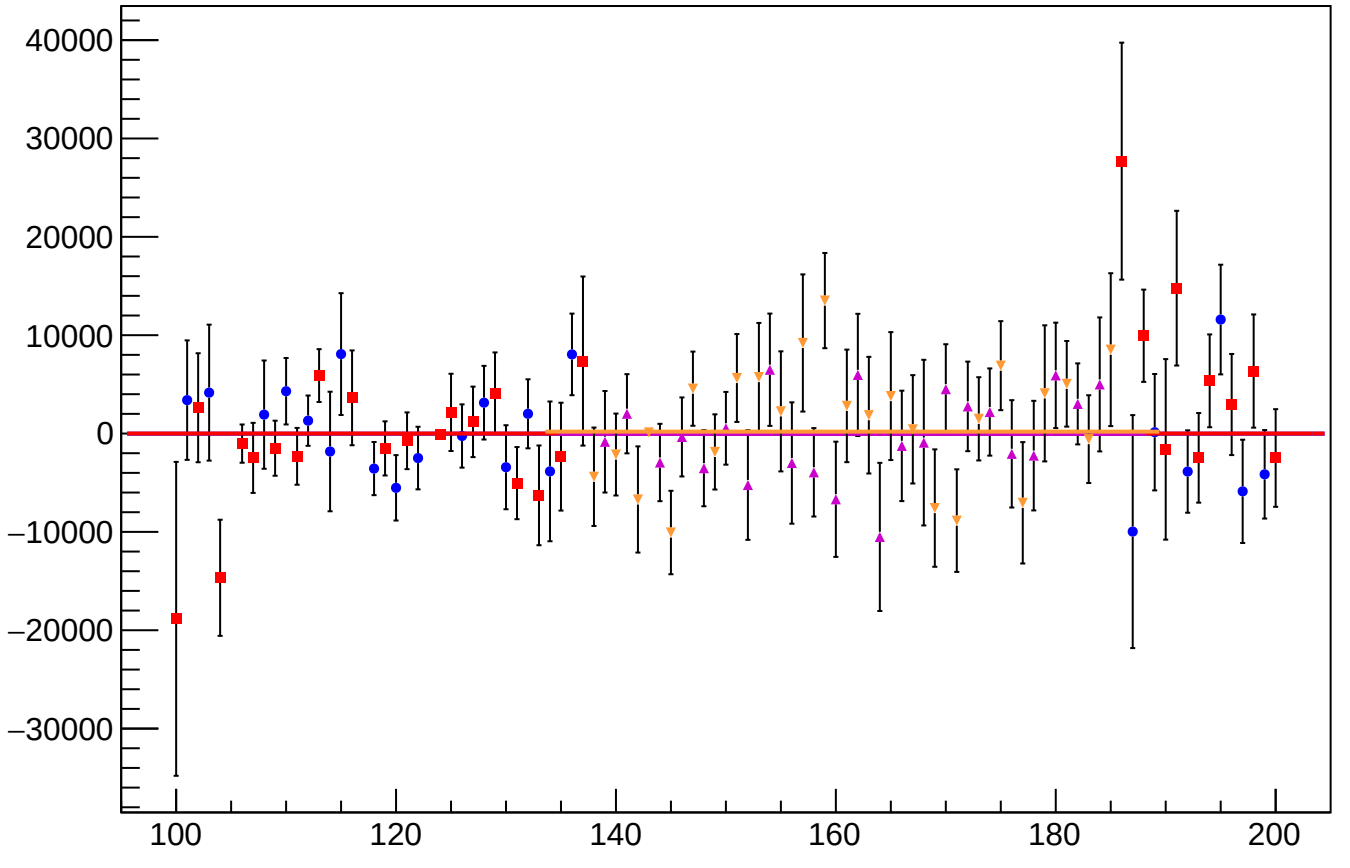
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1659.777+/-0.235 χ^2/NDF: 553774.5/49

In: 1671.742+/-0.217 χ^2/NDF:278840.9/44

Out: 1689.409+/-0.209 χ^2/NDF:860802.3/52

All: 1680.886+/-0.151 χ^2/NDF: 1143079.4/97



Right In: -15.079+/-879.370 χ^2/NDF: 23.3/21

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

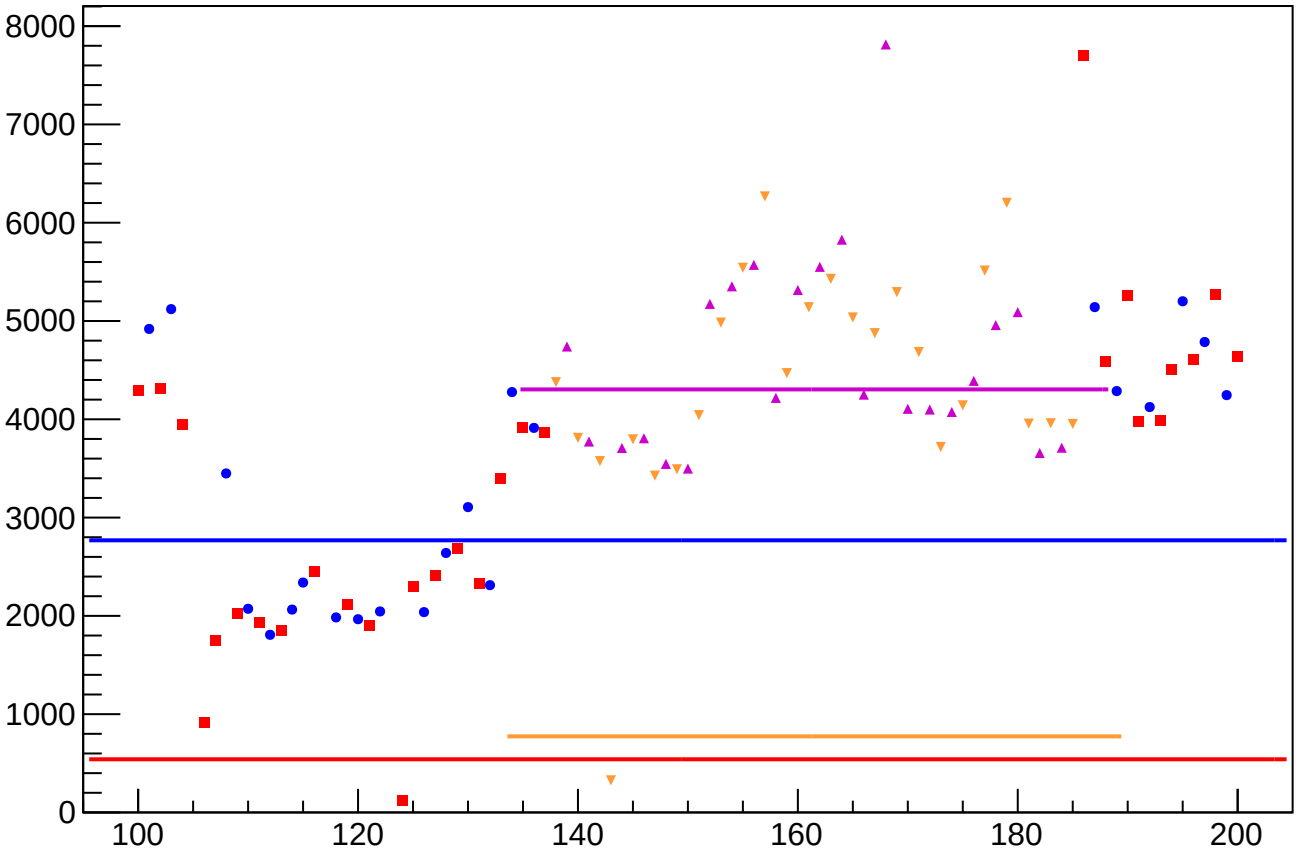
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -2.808+/-299.906 χ^2/NDF: 61.0/49

In: -20.863+/-667.543 χ^2/NDF:36.6/44

Out: 89.079+/-233.646 χ^2/NDF:71.8/52

All: 77.081+/-220.528 χ^2/NDF: 108.4/97



Right In: 2768.860+/-0.622 χ^2/NDF: 3012258.5/21

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

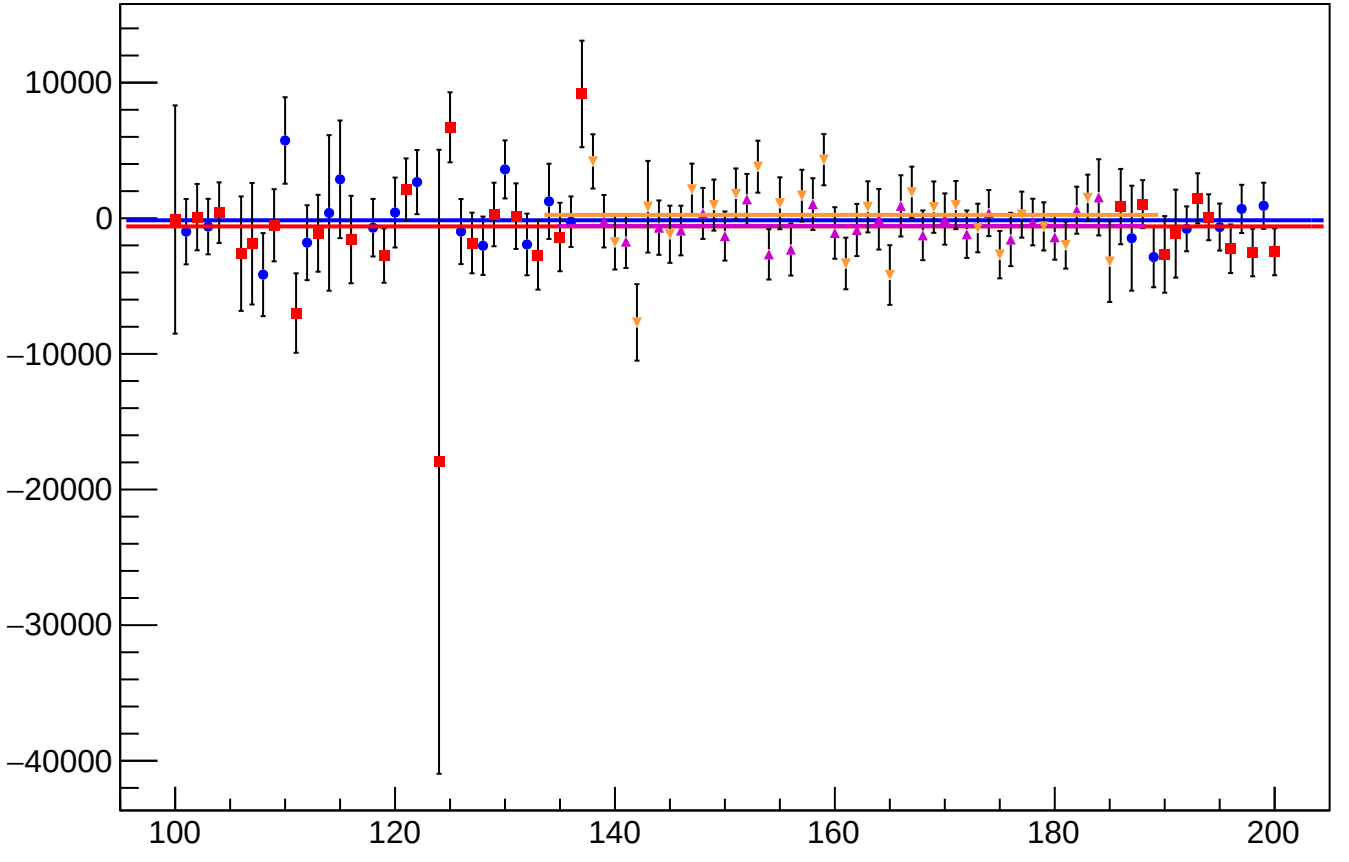
Right: 800.153+/-0.212 χ^2/NDF: 35328879.3/49

In: 3419.369+/-0.472 χ^2/NDF:6811632.0/44

Out: 649.154+/-0.165 χ^2/NDF:49554096.8/52

All: 951.485+/-0.156 χ^2/NDF: 87049559.9/97

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

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

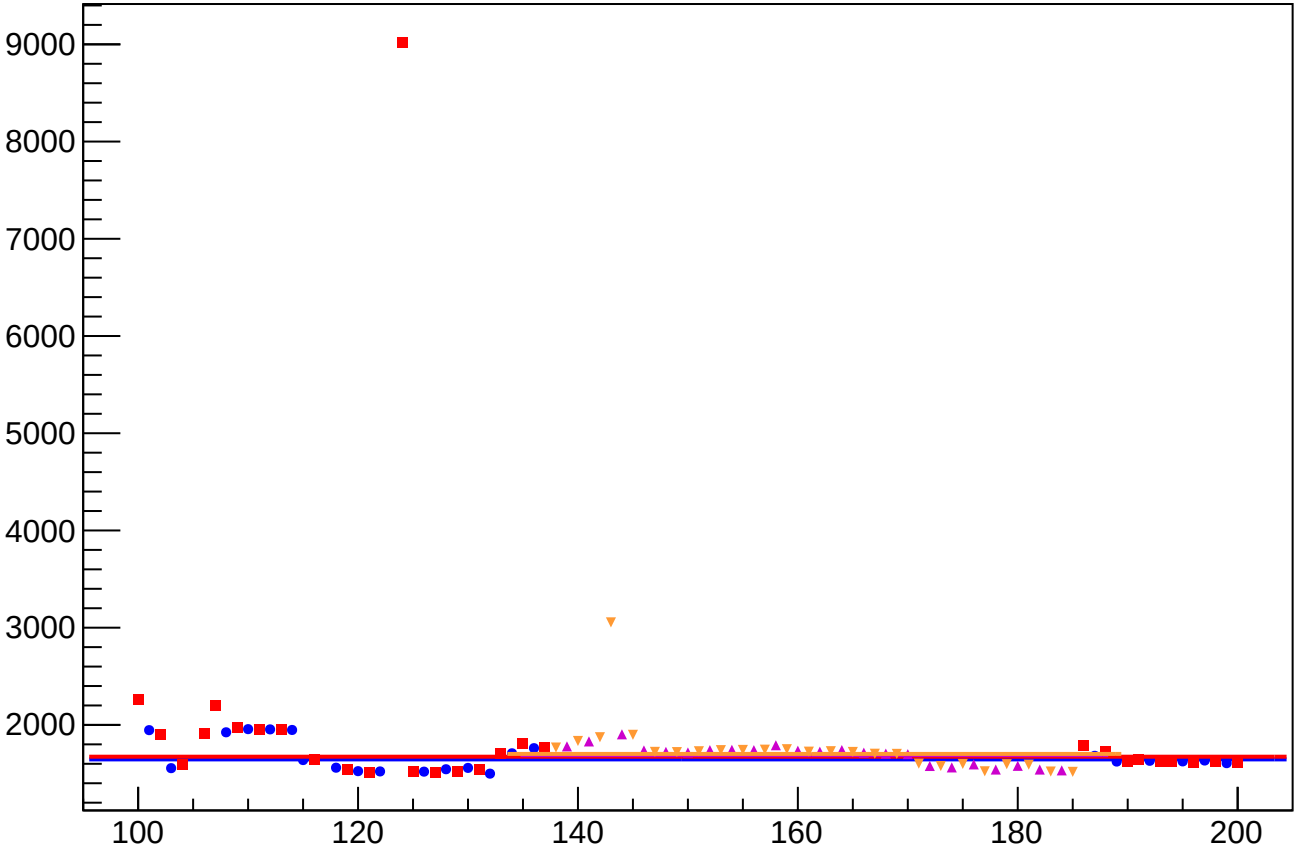
Right: -387.438+/-333.289 χ^2/NDF: 45.9/49

In: -396.124+/-306.641 χ^2/NDF:22.9/44

Out: -107.152+/-296.340 χ^2/NDF:72.1/52

All: -246.702+/-213.093 χ^2/NDF: 95.4/97

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

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

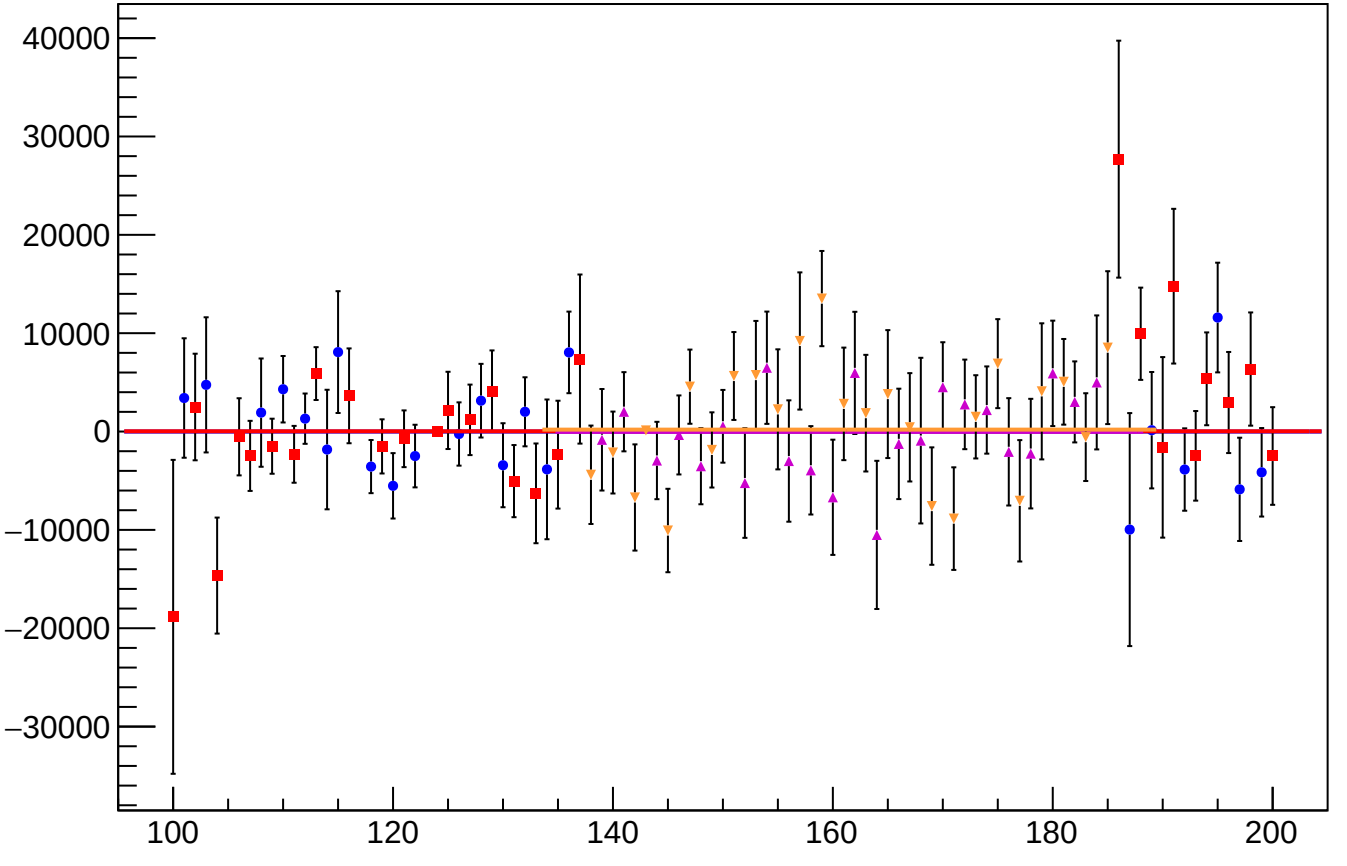
Right: 1659.988+/-0.235 χ^2/NDF: 555814.8/49

In: 1671.742+/-0.217 χ^2/NDF:278841.0/44

Out: 1689.583+/-0.209 χ^2/NDF:862612.5/52

All: 1680.975+/-0.151 χ^2/NDF: 1144957.1/97

asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

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

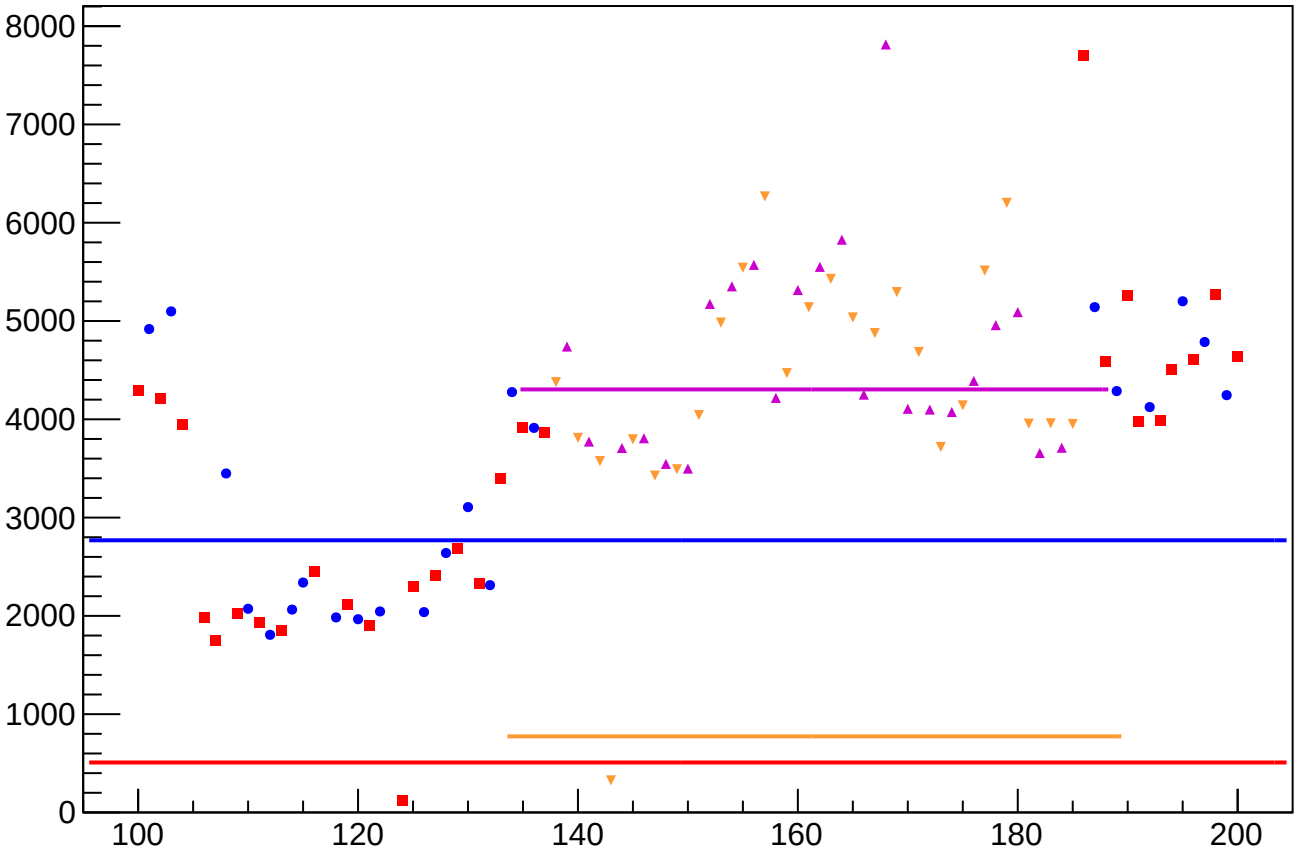
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 22.040+/-293.542 χ^2/NDF: 60.8/49

In: -14.757+/-667.503 χ^2/NDF:36.7/44

Out: 101.496+/-230.593 χ^2/NDF:71.5/52

All: 89.101+/-217.954 χ^2/NDF: 108.2/97



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

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

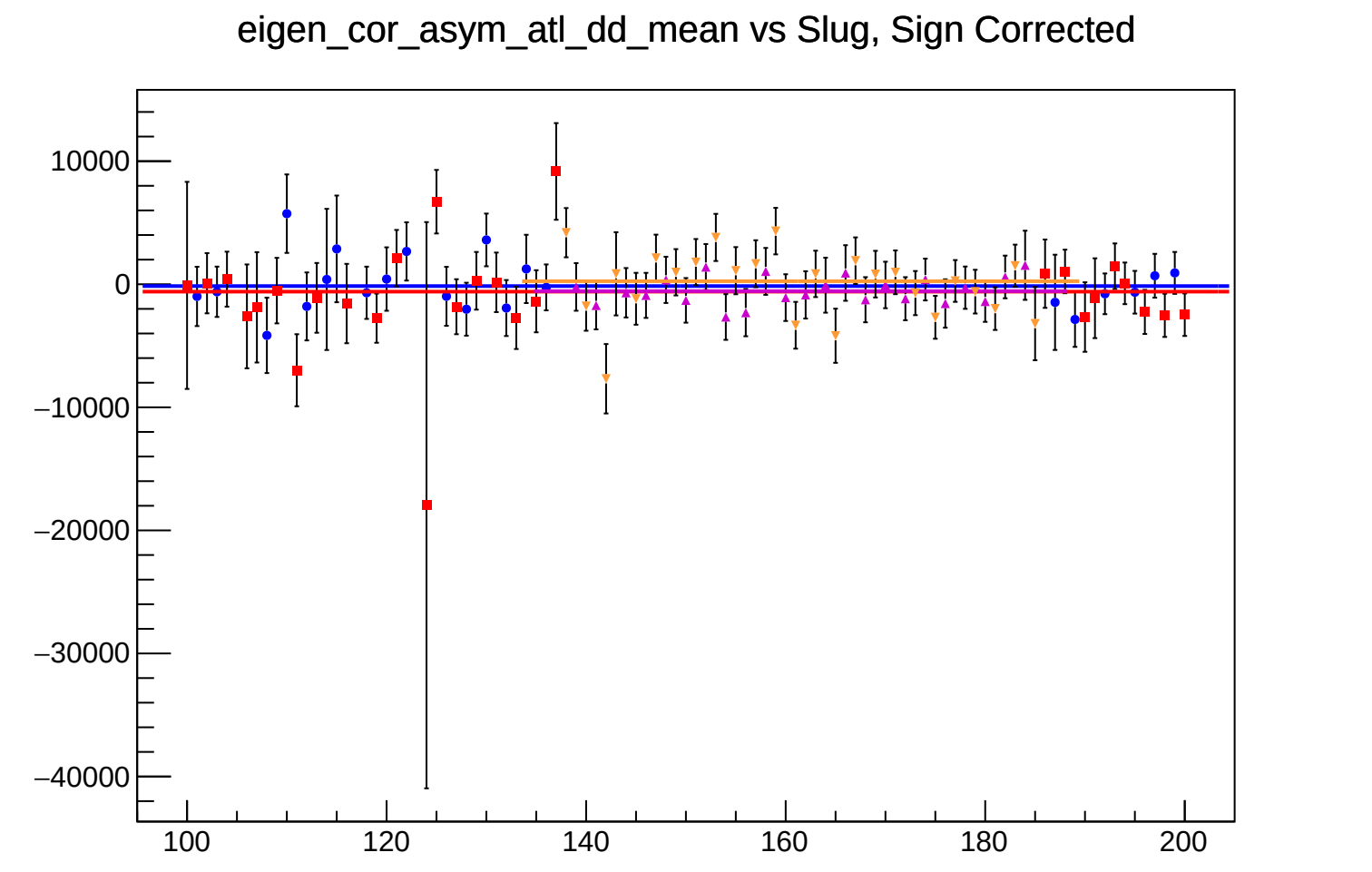
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 760.389+/-0.208 χ^2/NDF: 36213998.5/49

In: 3419.330+/-0.472 χ^2/NDF:6809733.0/44

Out: 628.461+/-0.163 χ^2/NDF:50202541.2/52

All: 926.014+/-0.154 χ^2/NDF: 88247190.2/97



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

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

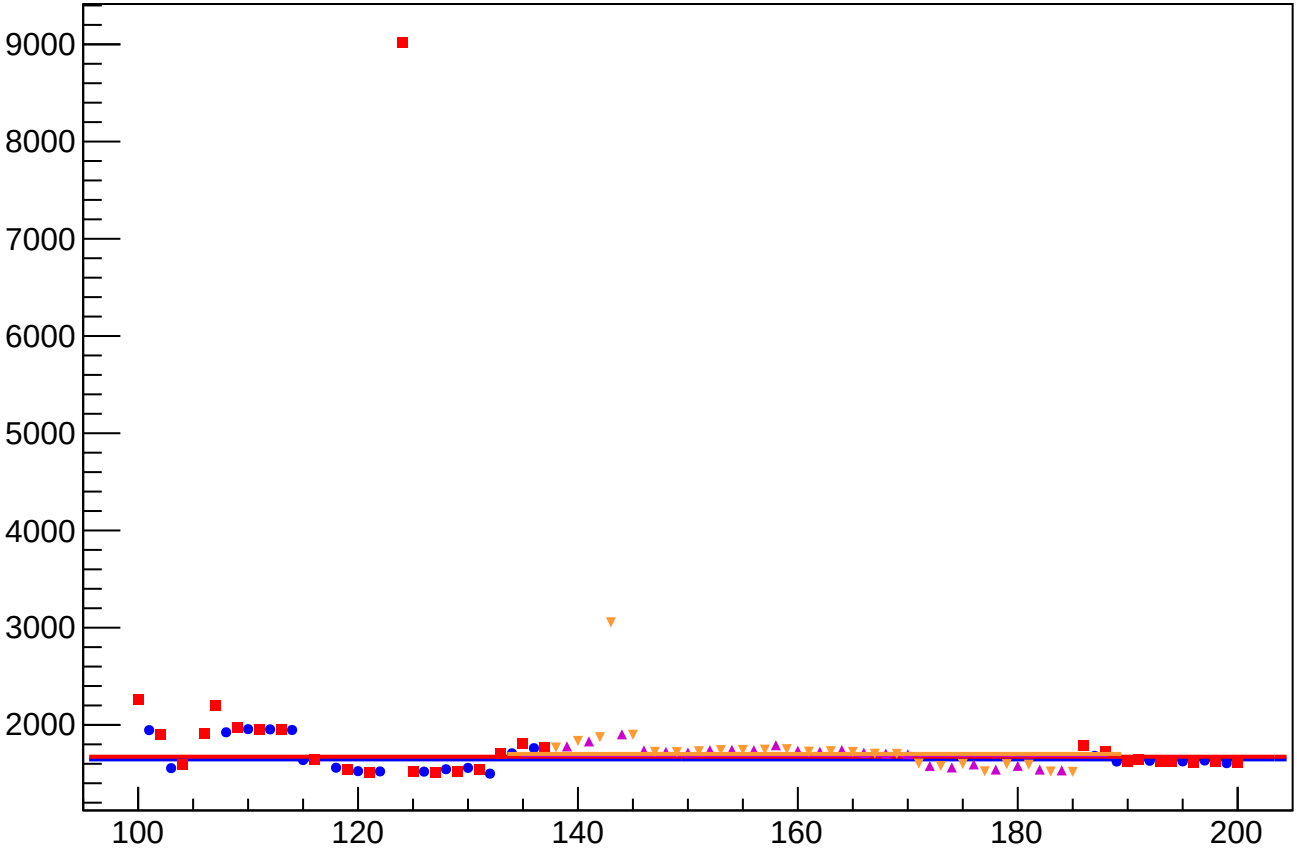
Right: -387.438+/-333.289 χ^2/NDF: 45.9/49

In: -396.124+/-306.641 χ^2/NDF:22.9/44

Out: -107.152+/-296.340 χ^2/NDF:72.1/52

All: -246.702+/-213.093 χ^2/NDF: 95.4/97

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

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

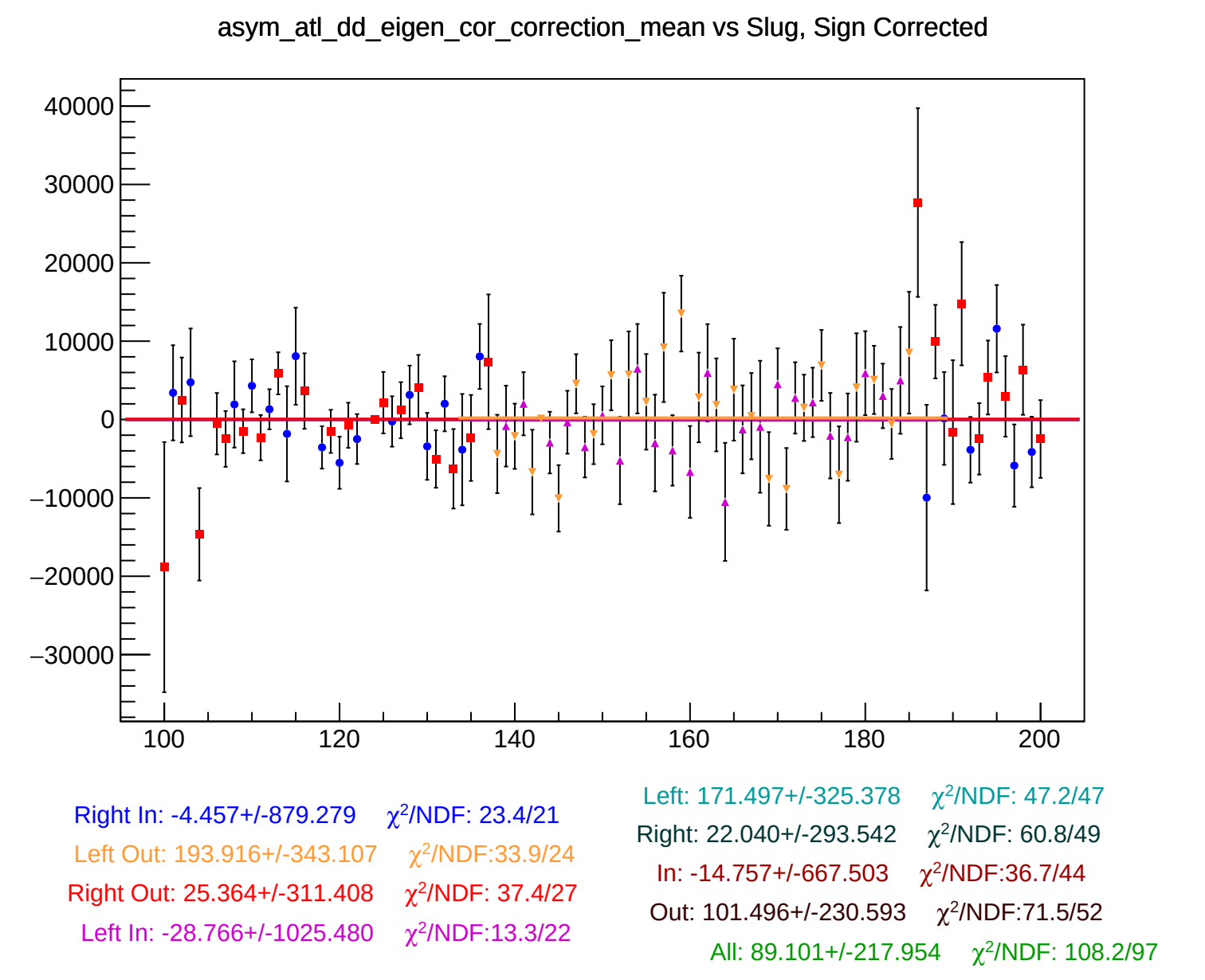
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

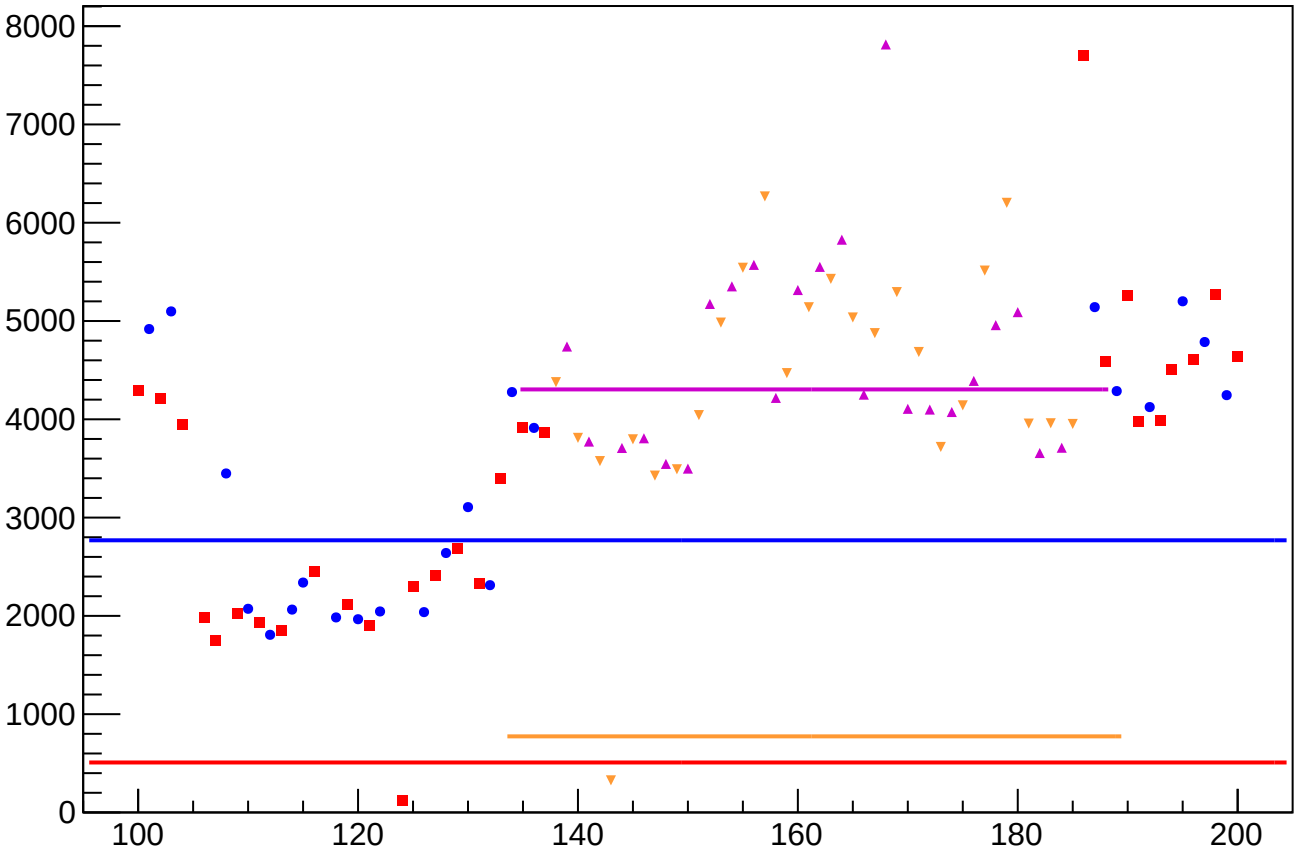
Right: 1659.988+/-0.235 χ^2/NDF: 555814.8/49

In: 1671.742+/-0.217 χ^2/NDF:278841.0/44

Out: 1689.583+/-0.209 χ^2/NDF:862612.5/52

All: 1680.975+/-0.151 χ^2/NDF: 1144957.1/97


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -4.457+/-879.279 χ²/NDF: 23.4/21
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 25.364+/-311.408 χ²/NDF: 37.4/27
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: 22.040+/-293.542 χ²/NDF: 60.8/49
In: -14.757+/-667.503 χ²/NDF:36.7/44
Out: 101.496+/-230.593 χ²/NDF:71.5/52
All: 89.101+/-217.954 χ²/NDF: 108.2/97



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

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

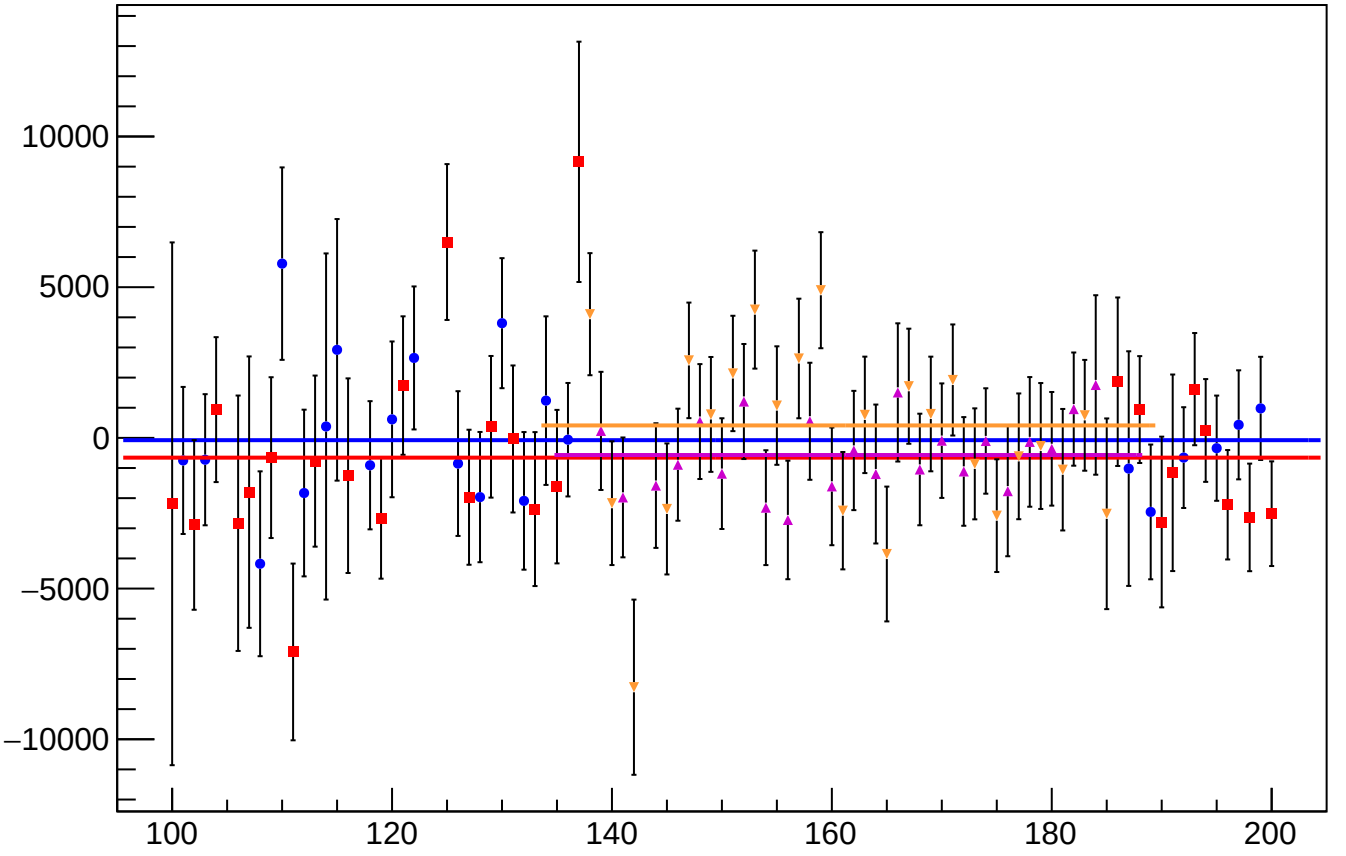
Right: 760.389+/-0.208 χ^2/NDF: 36213998.5/49

In: 3419.330+/-0.472 χ^2/NDF:6809733.0/44

Out: 628.461+/-0.163 χ^2/NDF:50202541.2/52

All: 926.014+/-0.154 χ^2/NDF: 88247190.2/97

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -76.045+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -655.845+/-463.848 χ^2/NDF: 30.4/26

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

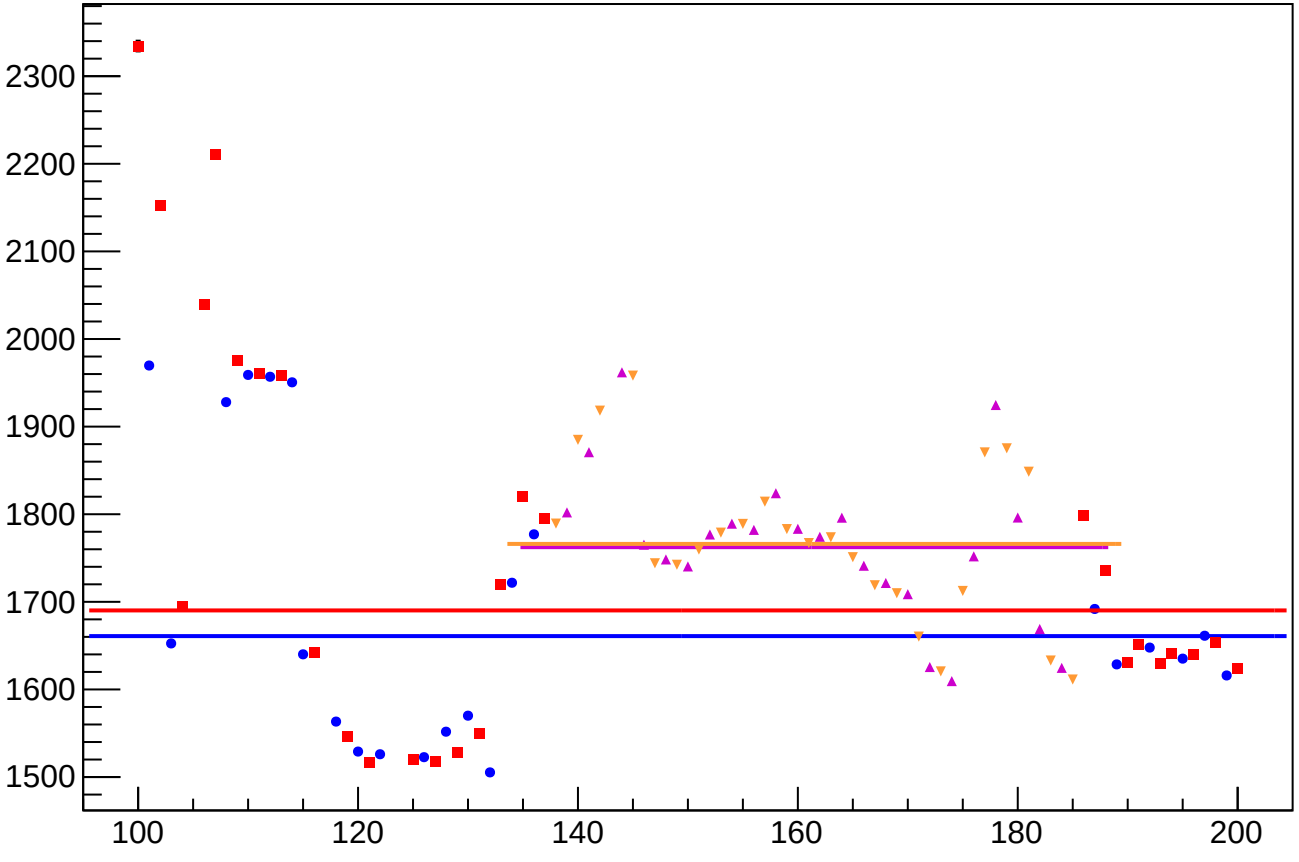
Right: -382.366+/-337.152 χ^2/NDF: 45.8/48

In: -365.144+/-315.609 χ^2/NDF:23.0/44

Out: -56.321+/-307.421 χ^2/NDF:73.4/50

All: -206.675+/-220.218 χ^2/NDF: 96.8/95

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.6/21

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

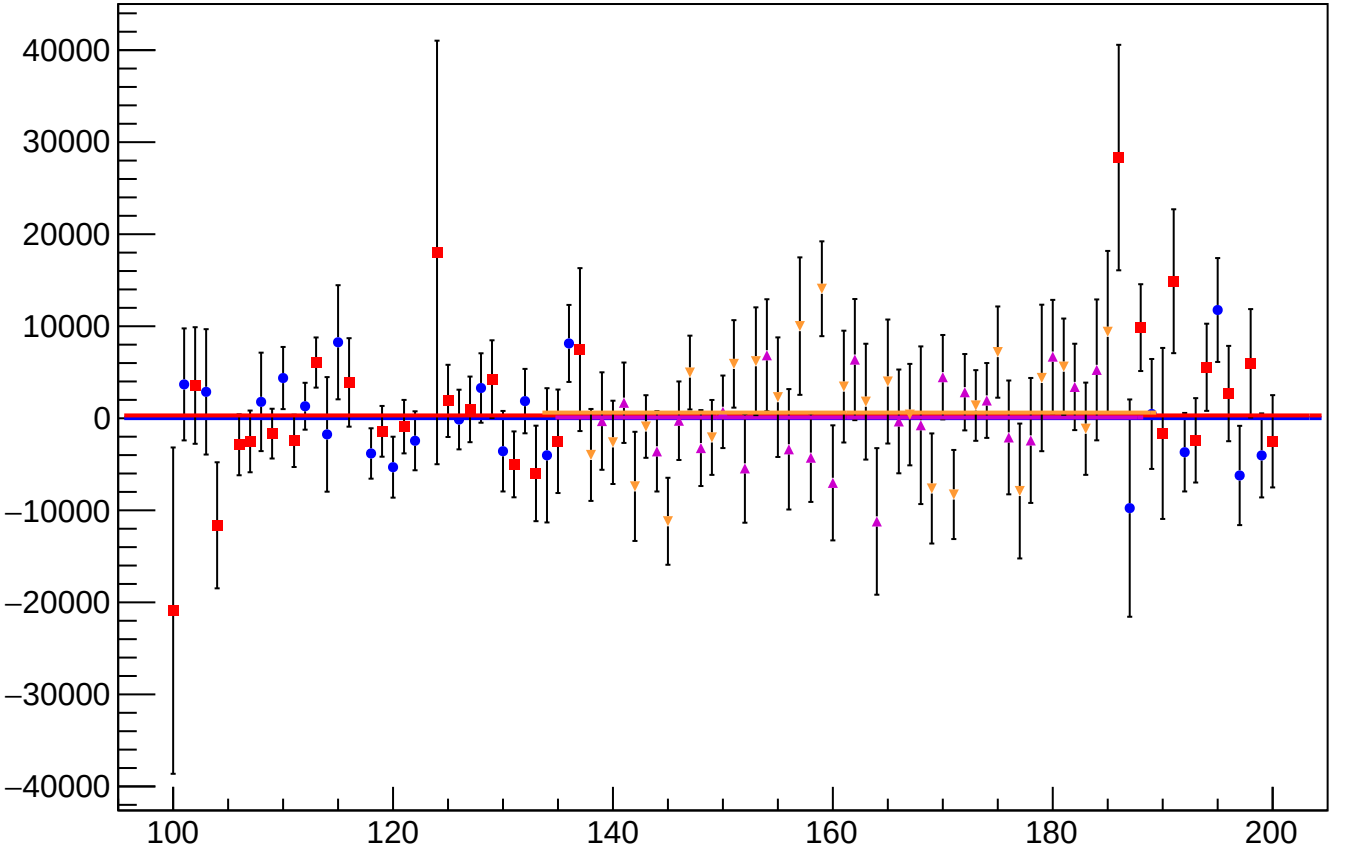
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1676.390+/-0.238 χ^2/NDF: 393888.2/48

In: 1720.445+/-0.223 χ^2/NDF:274460.1/44

Out: 1732.723+/-0.217 χ^2/NDF:359259.5/50

All: 1726.749+/-0.156 χ^2/NDF: 635273.5/95



Right In: 16.632+/-884.399 χ^2/NDF: 23.2/21

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

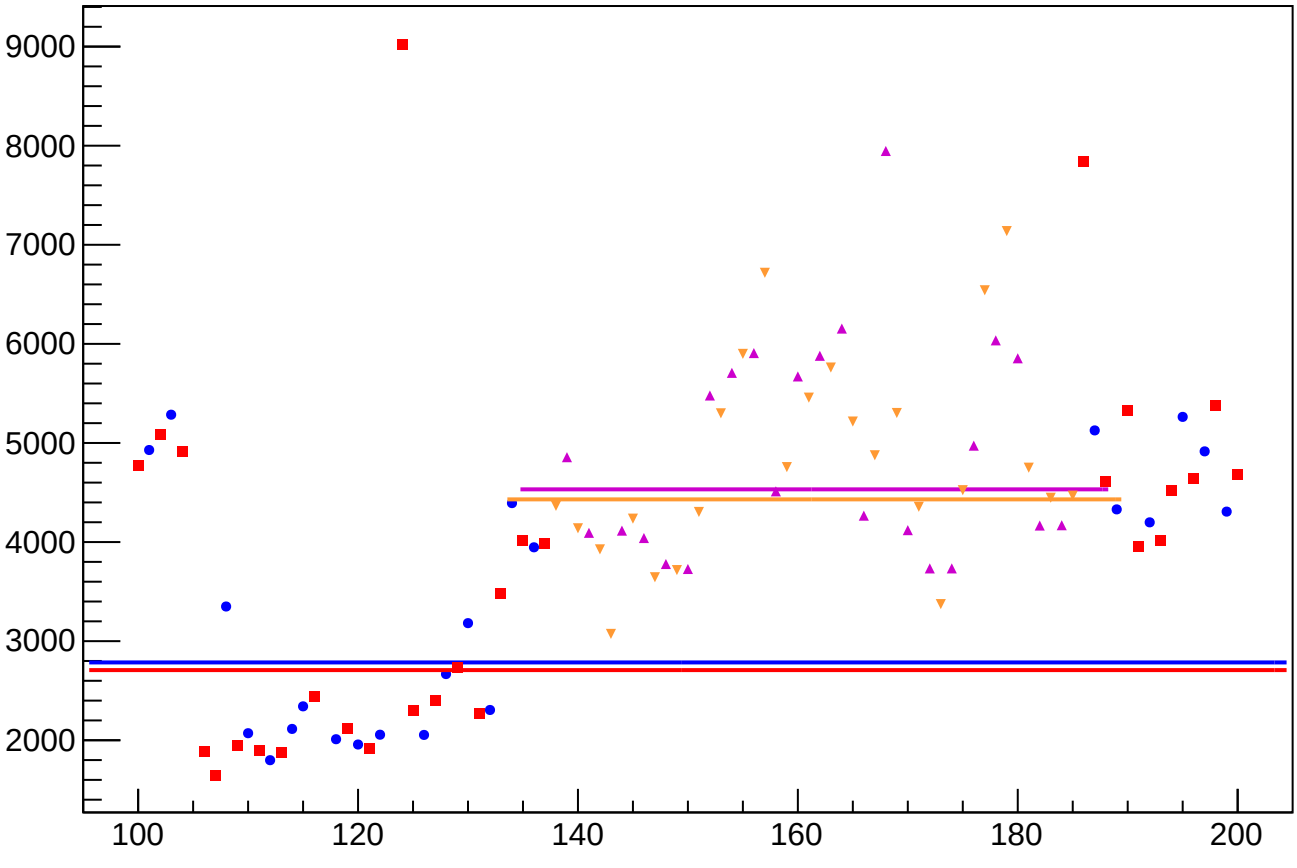
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 177.764+/-593.819 χ^2/NDF: 58.8/49

In: 44.204+/-684.887 χ^2/NDF:36.1/44

Out: 426.123+/-633.530 χ^2/NDF:68.6/52

All: 250.018+/-465.071 χ^2/NDF: 105.0/97



Right In: 2785.339+/-0.625 χ^2/NDF: 3113156.8/21

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

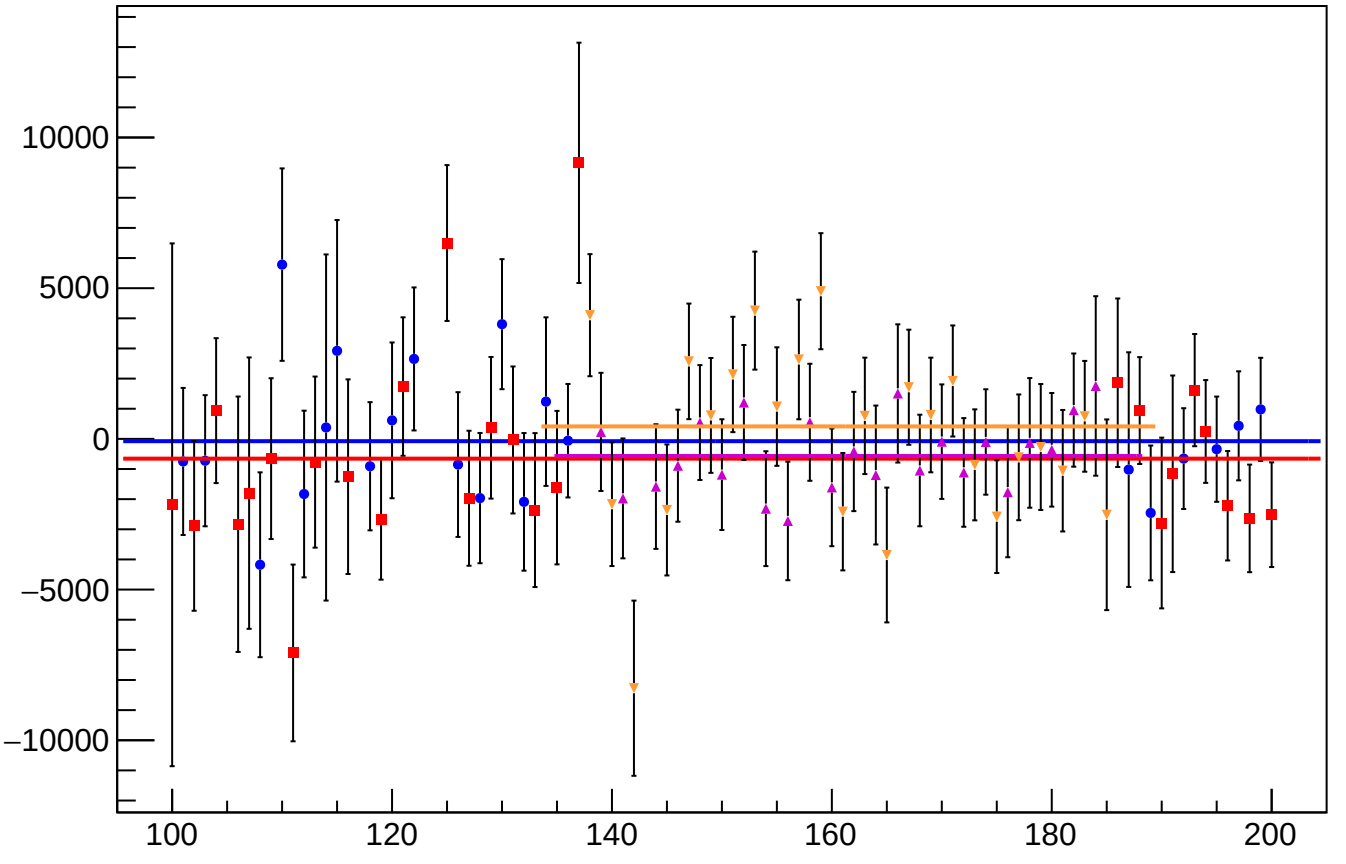
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2742.813+/-0.420 χ^2/NDF: 7469661.6/49

In: 3484.488+/-0.484 χ^2/NDF:7612096.7/44

Out: 3353.853+/-0.448 χ^2/NDF:9427829.3/52

All: 3414.090+/-0.329 χ^2/NDF: 17079137.6/9



Right In: -76.044+/-490.911 χ^2/NDF: 14.7/21

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

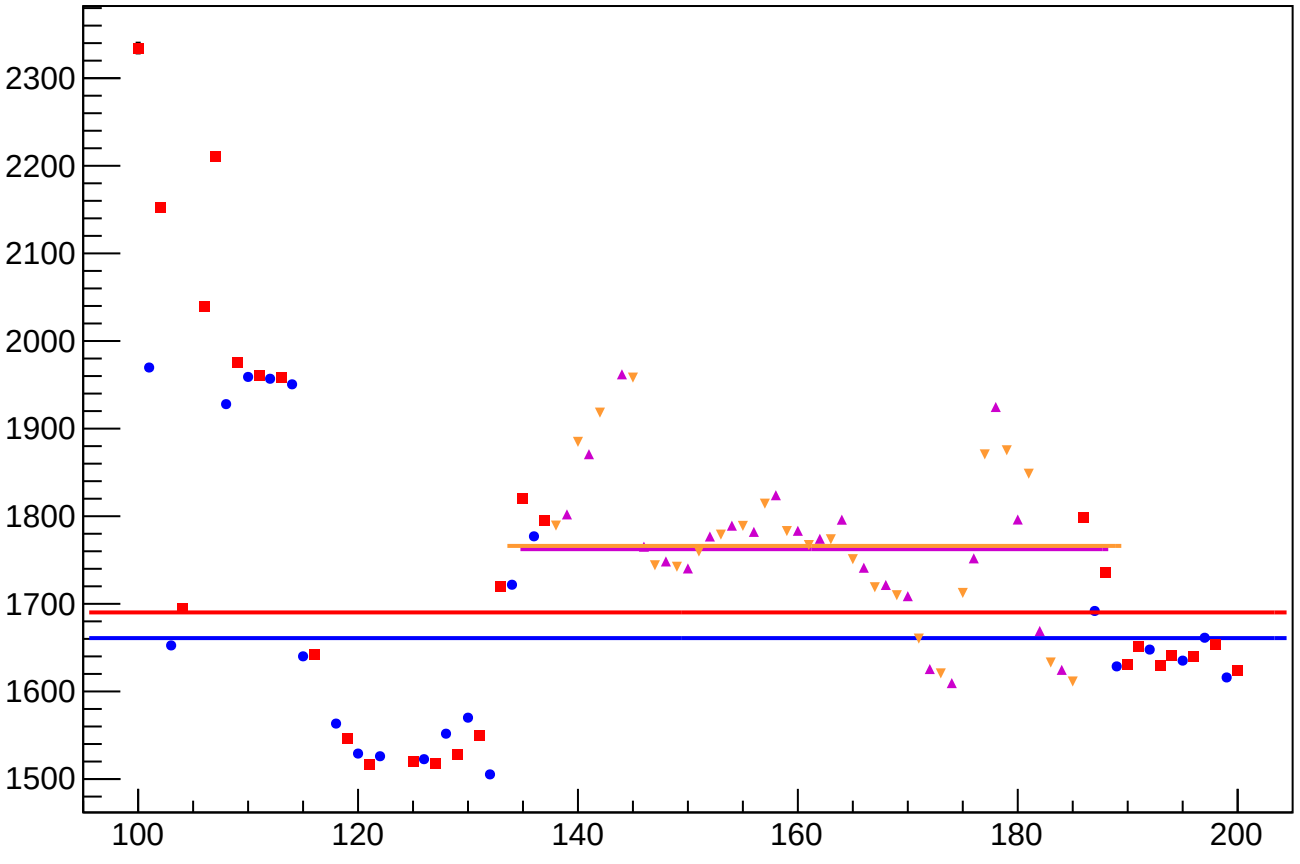
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -382.366+/-337.152 χ^2/NDF: 45.8/48

In: -365.143+/-315.609 χ^2/NDF:23.0/44

Out: -56.320+/-307.421 χ^2/NDF:73.4/50

All: -206.674+/-220.218 χ^2/NDF: 96.8/95



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.7/21

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

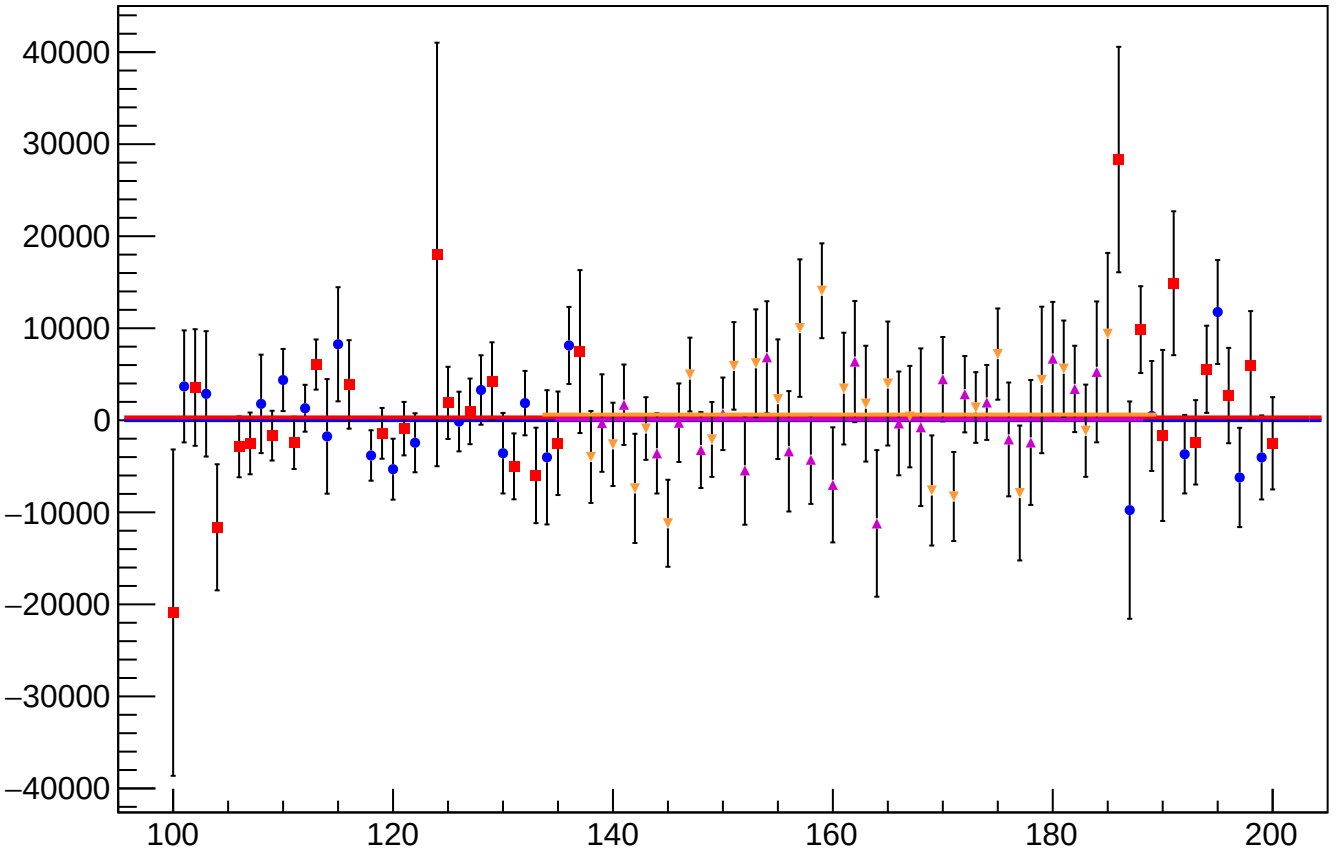
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1676.390+/-0.238 χ^2/NDF: 393887.3/48

In: 1720.446+/-0.223 χ^2/NDF:274463.8/44

Out: 1732.724+/-0.217 χ^2/NDF:359262.3/50

All: 1726.749+/-0.156 χ^2/NDF: 635280.0/95



Right In: 16.628+/-884.396 χ^2/NDF: 23.2/21

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

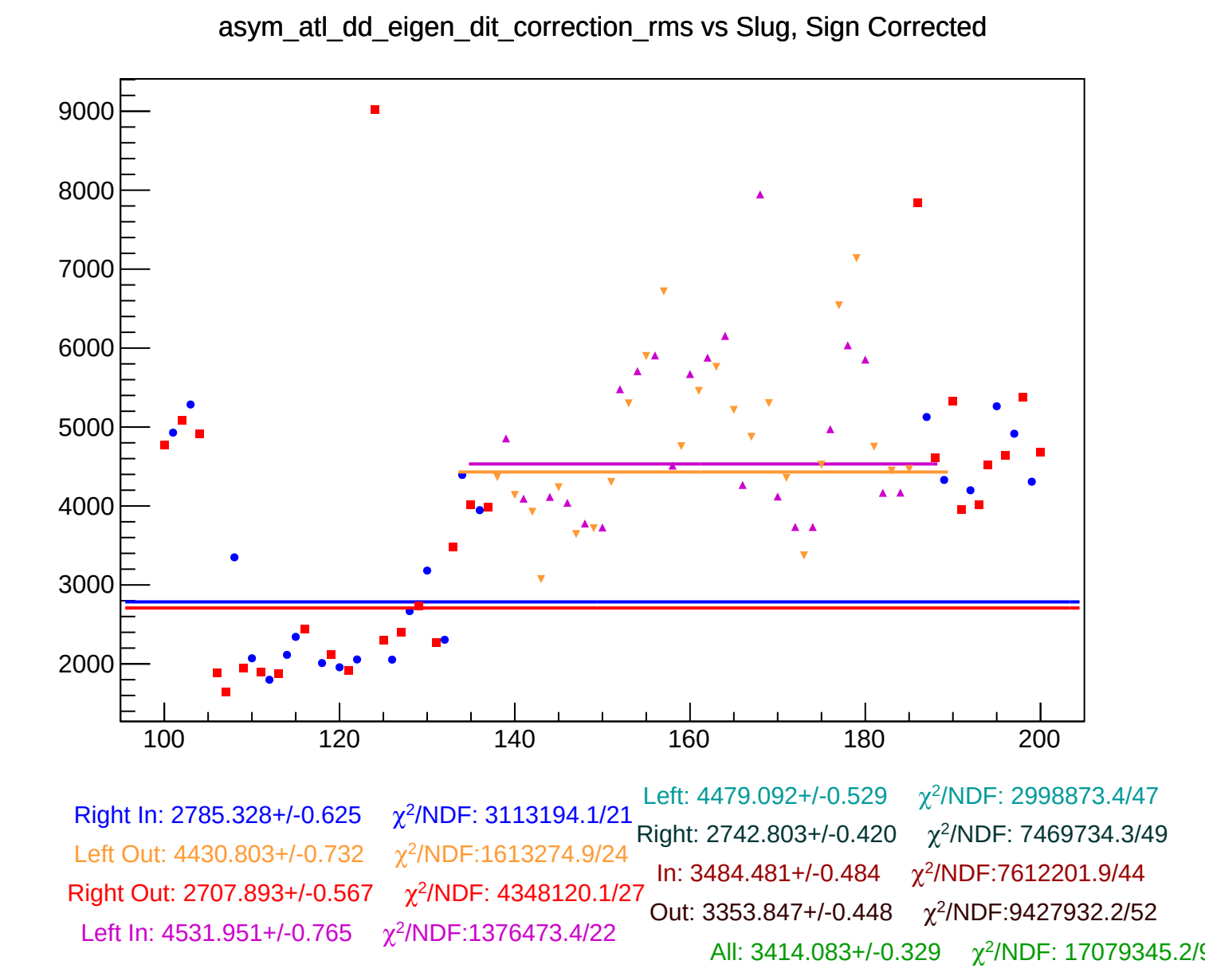
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 177.759+/-593.817 χ^2/NDF: 58.8/49

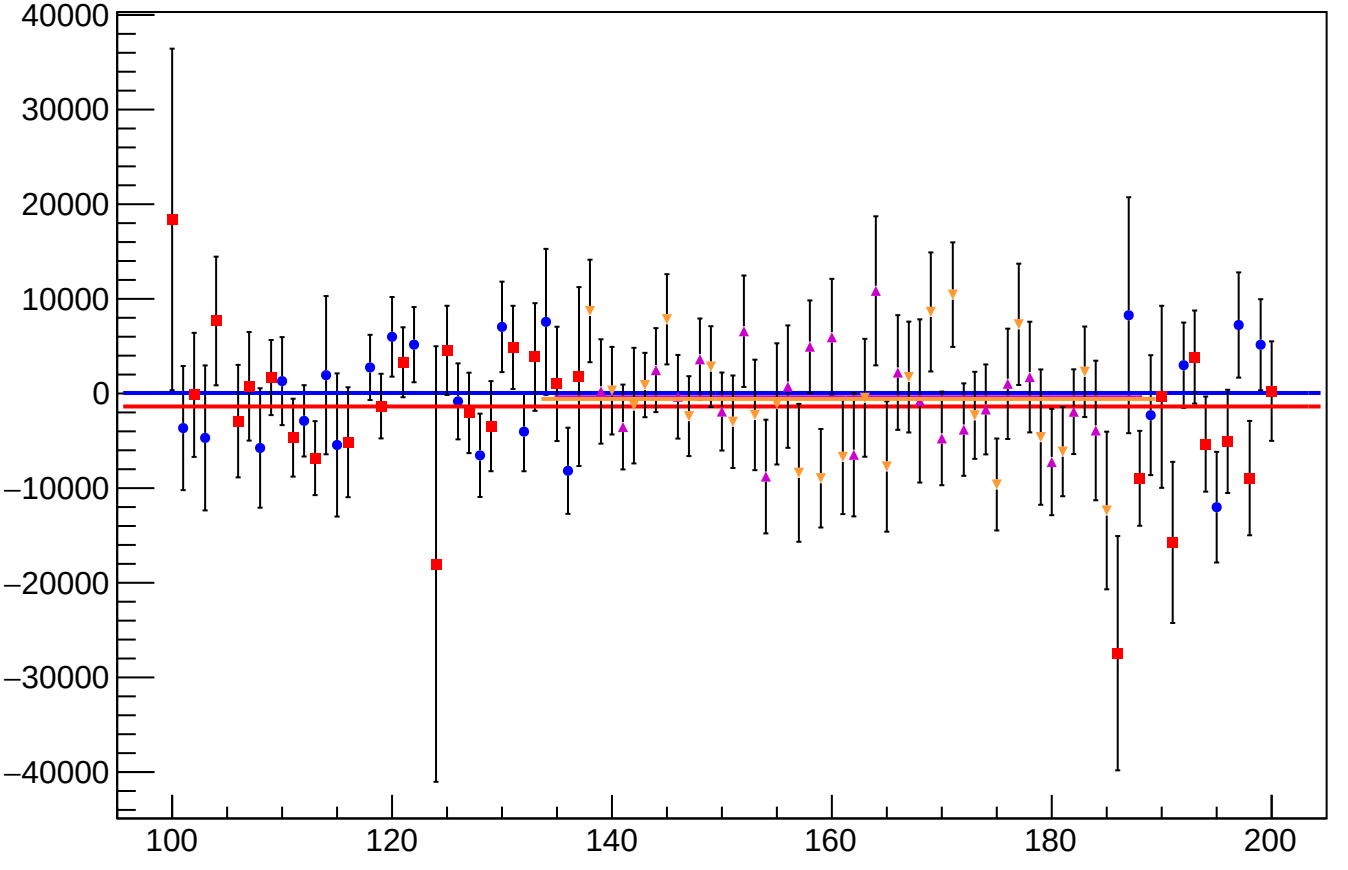
In: 44.202+/-684.886 χ^2/NDF:36.1/44

Out: 426.120+/-633.529 χ^2/NDF:68.6/52

All: 250.015+/-465.070 χ^2/NDF: 105.0/97


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2785.328+/-0.625 χ²/NDF: 3113194.1/21
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2707.893+/-0.567 χ²/NDF: 4348120.1/27
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2742.803+/-0.420 χ²/NDF: 7469734.3/49
In: 3484.481+/-0.484 χ²/NDF:7612201.9/44
Out: 3353.847+/-0.448 χ²/NDF:9427932.2/52
All: 3414.083+/-0.329 χ²/NDF: 17079345.2/9

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 54.830+/-1064.237 χ^2/NDF: 24.7/21

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

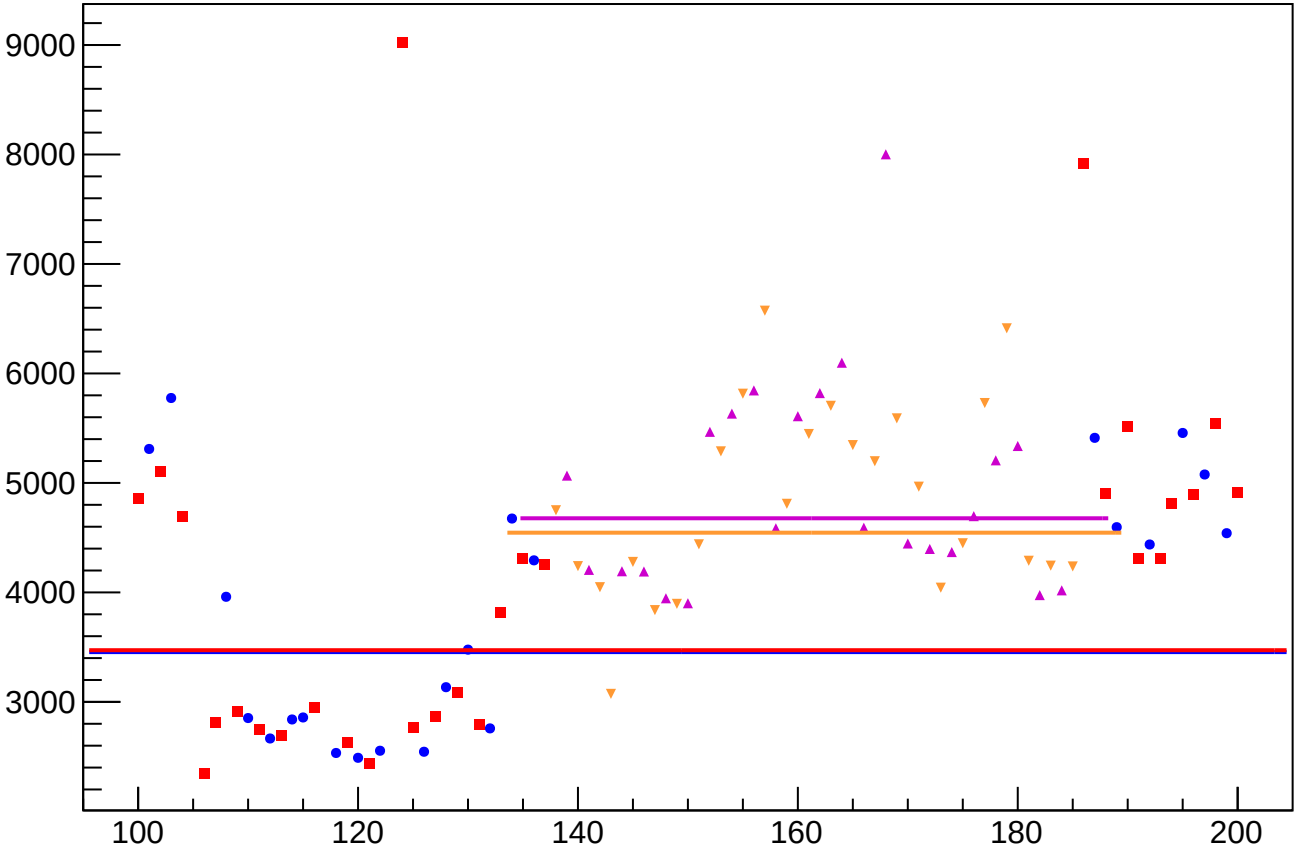
Right: -702.902+/-728.708 χ^2/NDF: 53.0/49

In: -162.356+/-768.029 χ^2/NDF:38.8/44

Out: -993.784+/-725.669 χ^2/NDF:56.4/52

All: -601.629+/-527.465 χ^2/NDF: 95.8/97

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3454.766+/-0.753 χ^2/NDF: 1855004.6/21

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

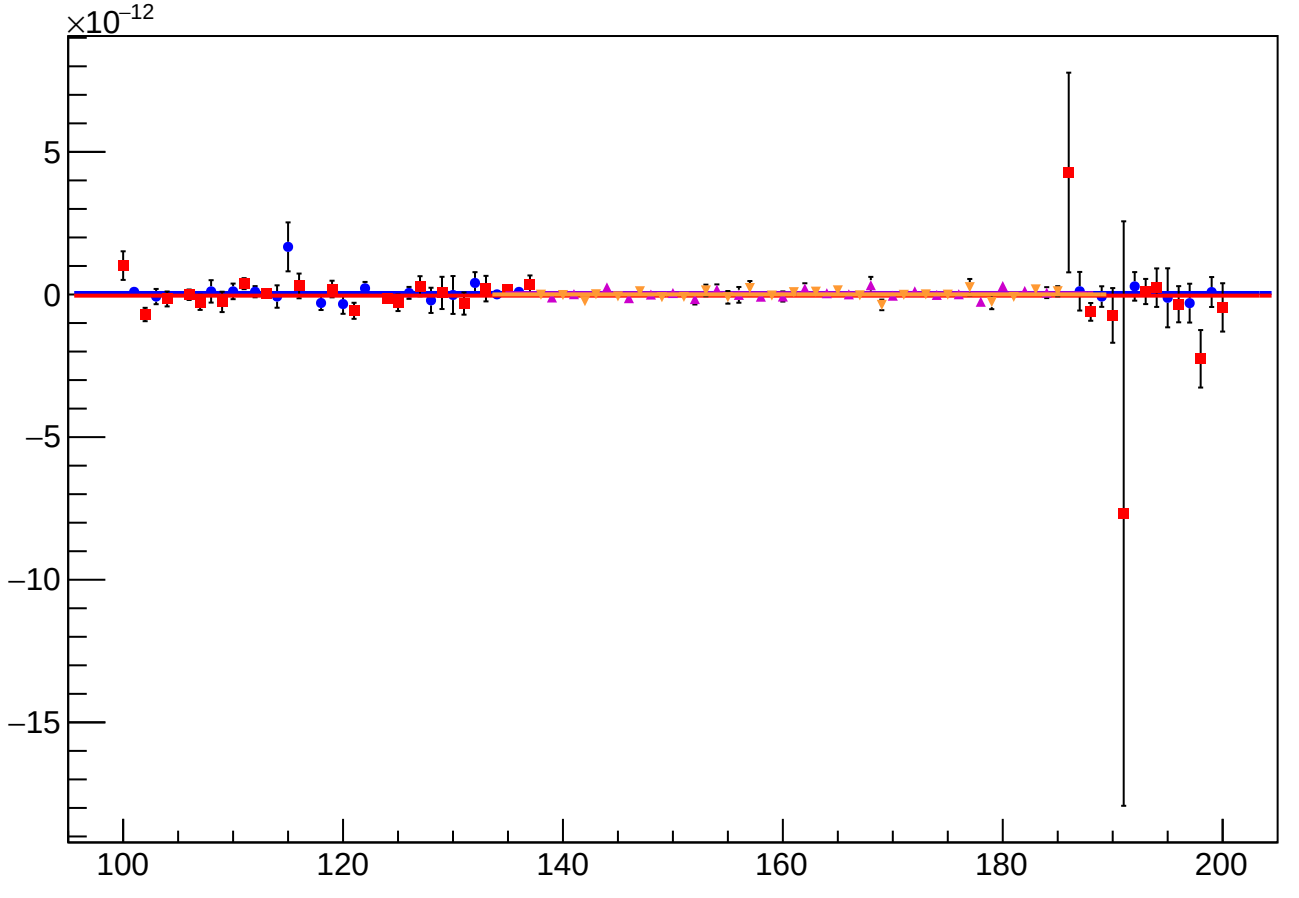
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3464.034+/-0.512 χ^2/NDF: 4256946.9/49

In: 4040.472+/-0.543 χ^2/NDF:4079063.0/44

Out: 3974.598+/-0.510 χ^2/NDF:4761715.5/52

All: 4005.490+/-0.372 χ^2/NDF: 8848591.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/21

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

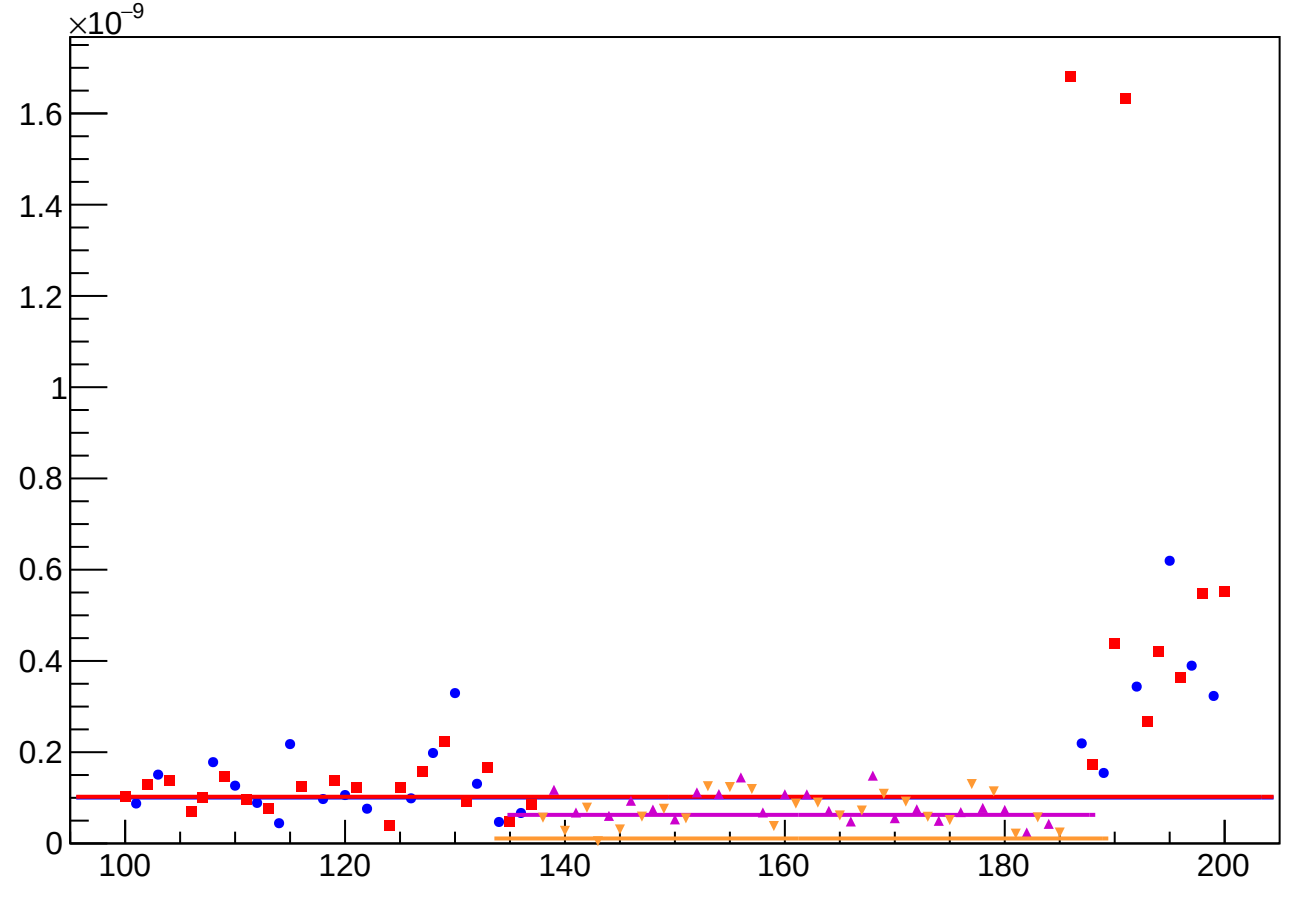
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.2/49

In: 0.000+/-0.000 χ^2/NDF:30.6/44

Out: 0.000+/-0.000 χ^2/NDF:60.6/52

All: 0.000+/-0.000 χ^2/NDF: 94.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 2831666.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957635.9/27

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

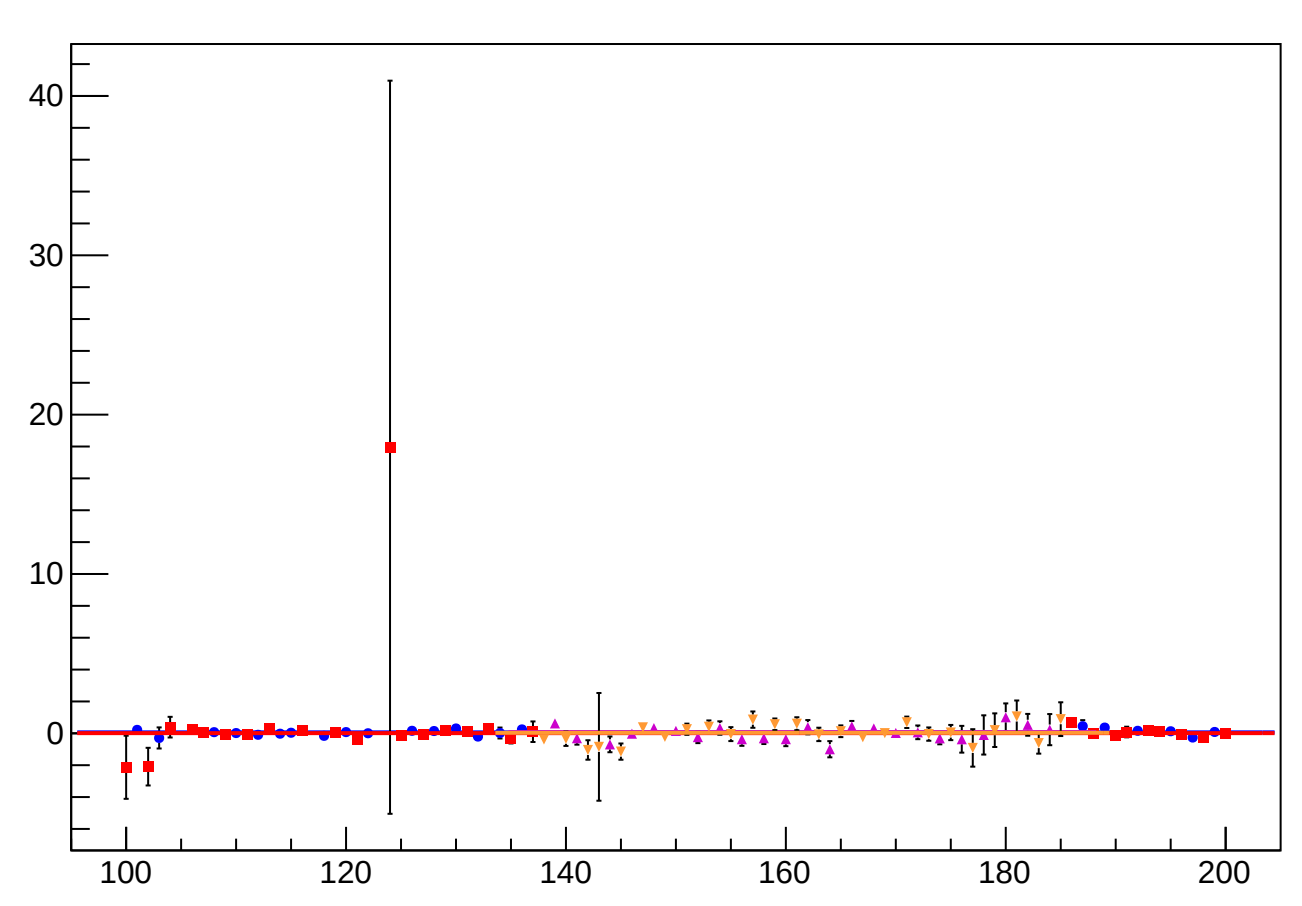
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6790303.7/49

In: 0.000+/-0.000 χ^2/NDF:5709199.7/44

Out: 0.000+/-0.000 χ^2/NDF:19303016.9/52

All: 0.000+/-0.000 χ^2/NDF: 35346880.8/97



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

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

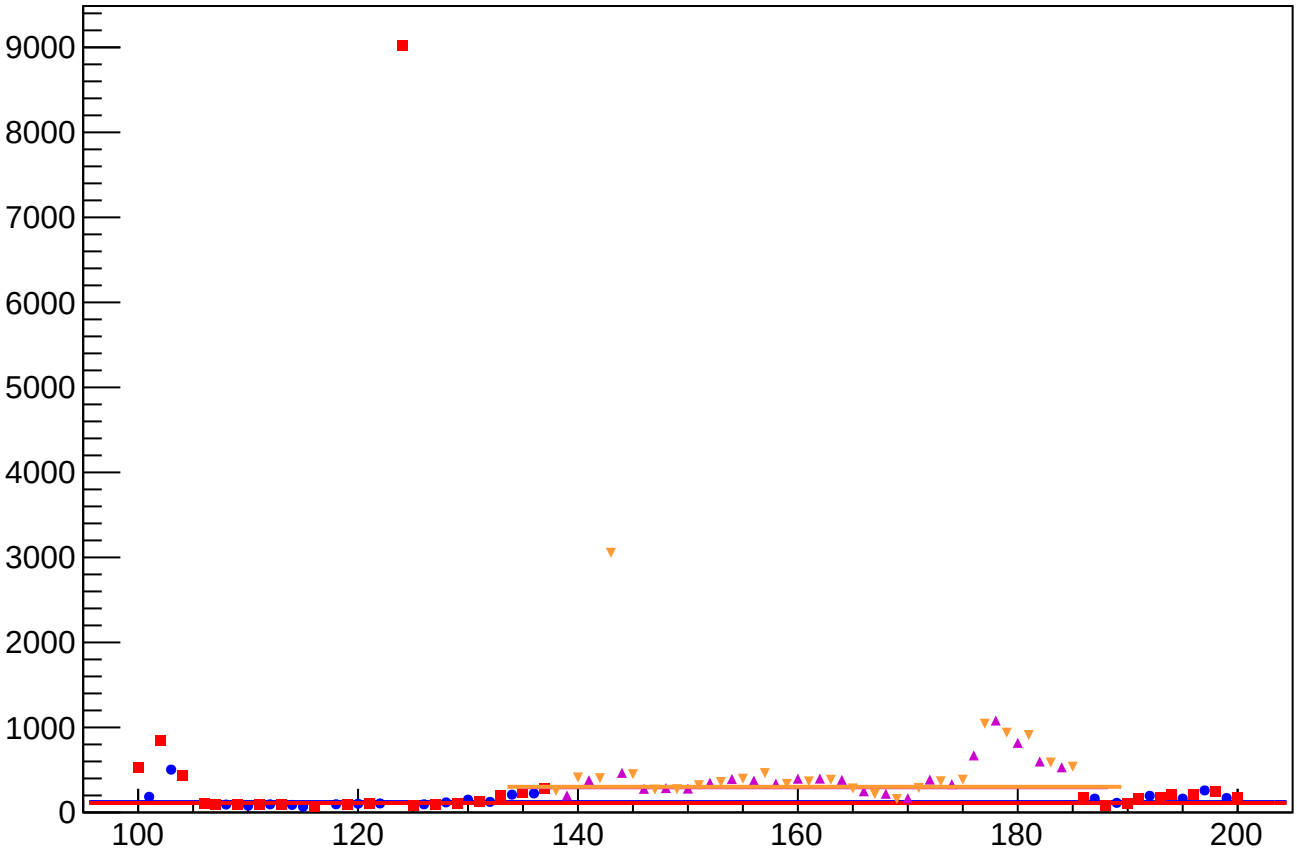
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.033+/-0.026 χ^2/NDF: 47.0/49

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.038+/-0.024 χ^2/NDF: 101.1/97



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

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

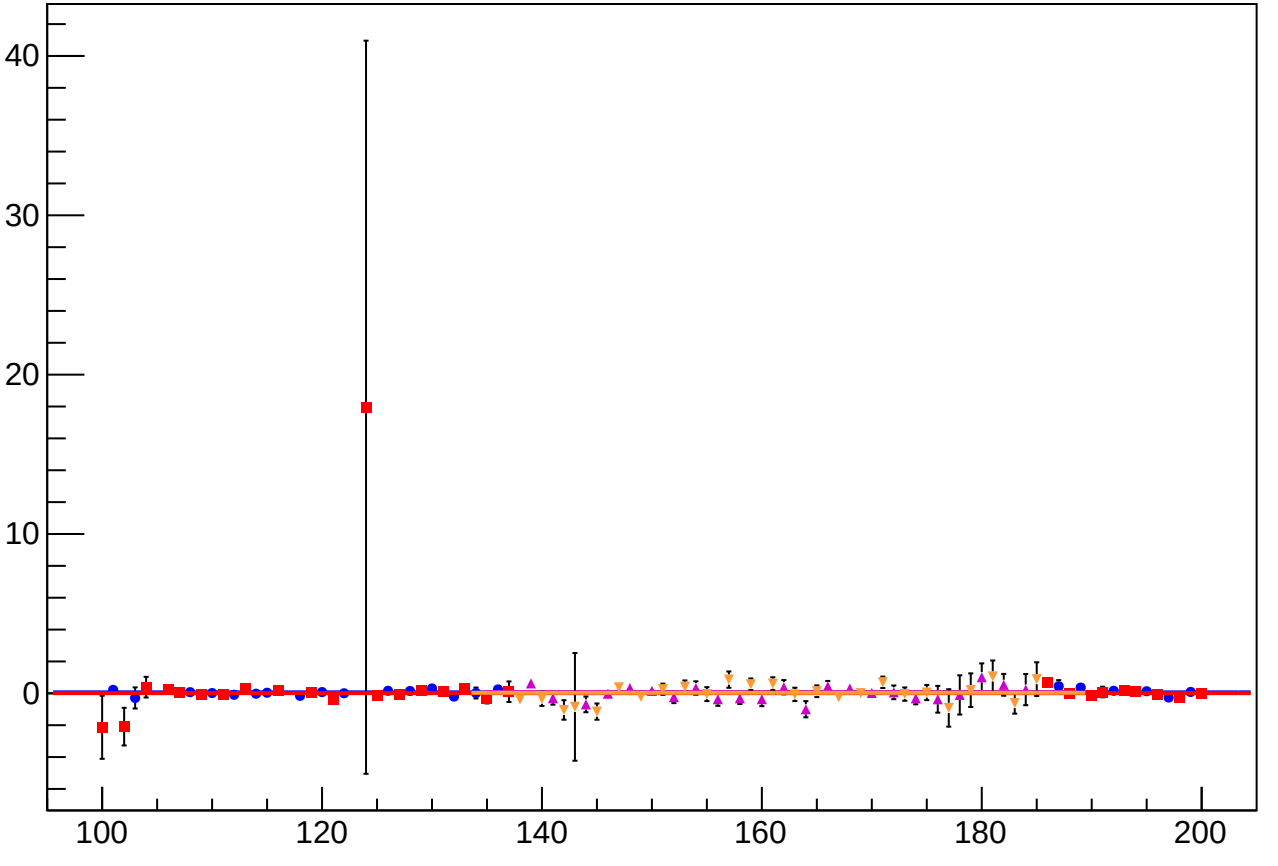
Right: 116.002+/-0.018 χ^2/NDF: 7905105.3/49

In: 160.060+/-0.025 χ^2/NDF:16285959.0/44

Out: 143.409+/-0.022 χ^2/NDF:21664587.4/52

All: 150.828+/-0.017 χ^2/NDF: 38198010.6/97

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

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

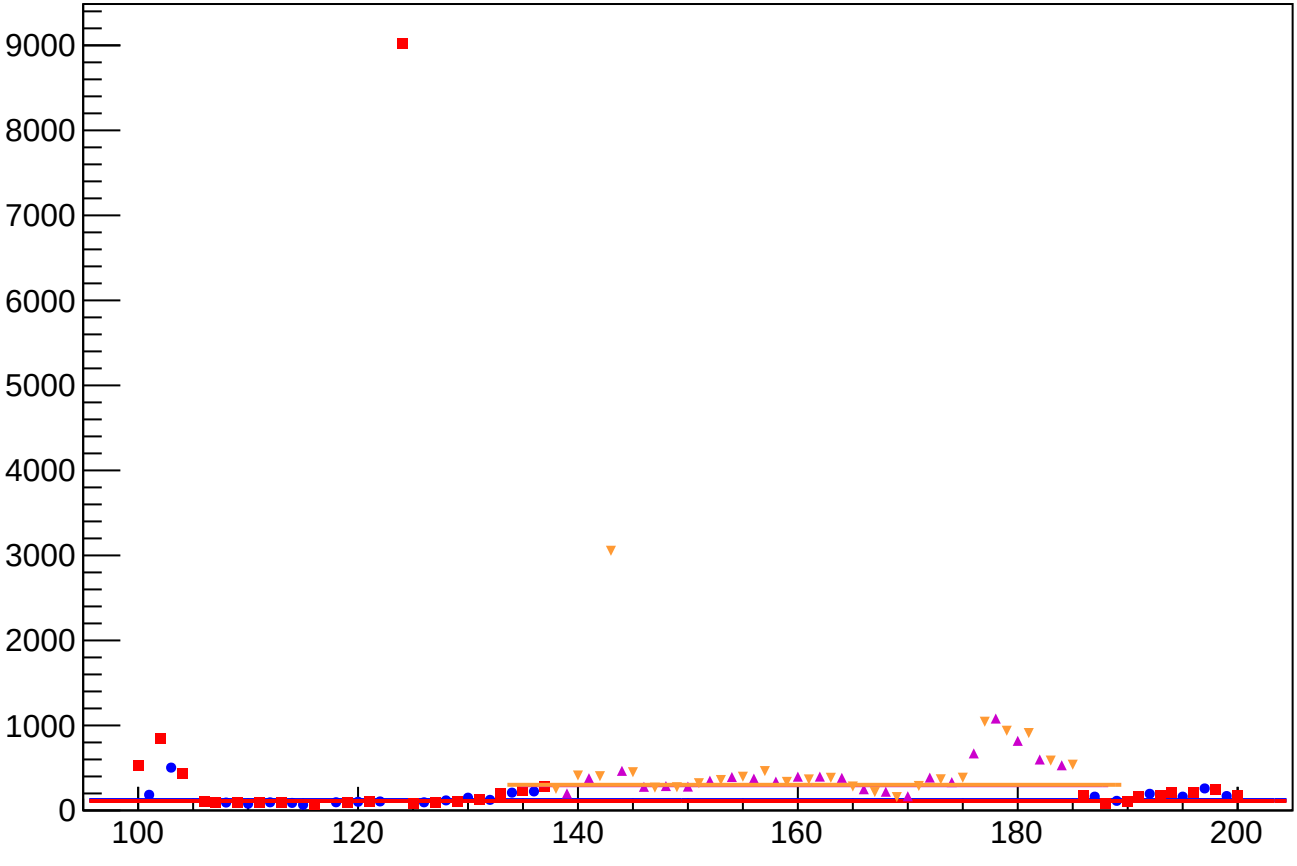
Right: 0.033+/-0.026 χ^2/NDF: 47.0/49

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.038+/-0.024 χ^2/NDF: 101.1/97

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

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

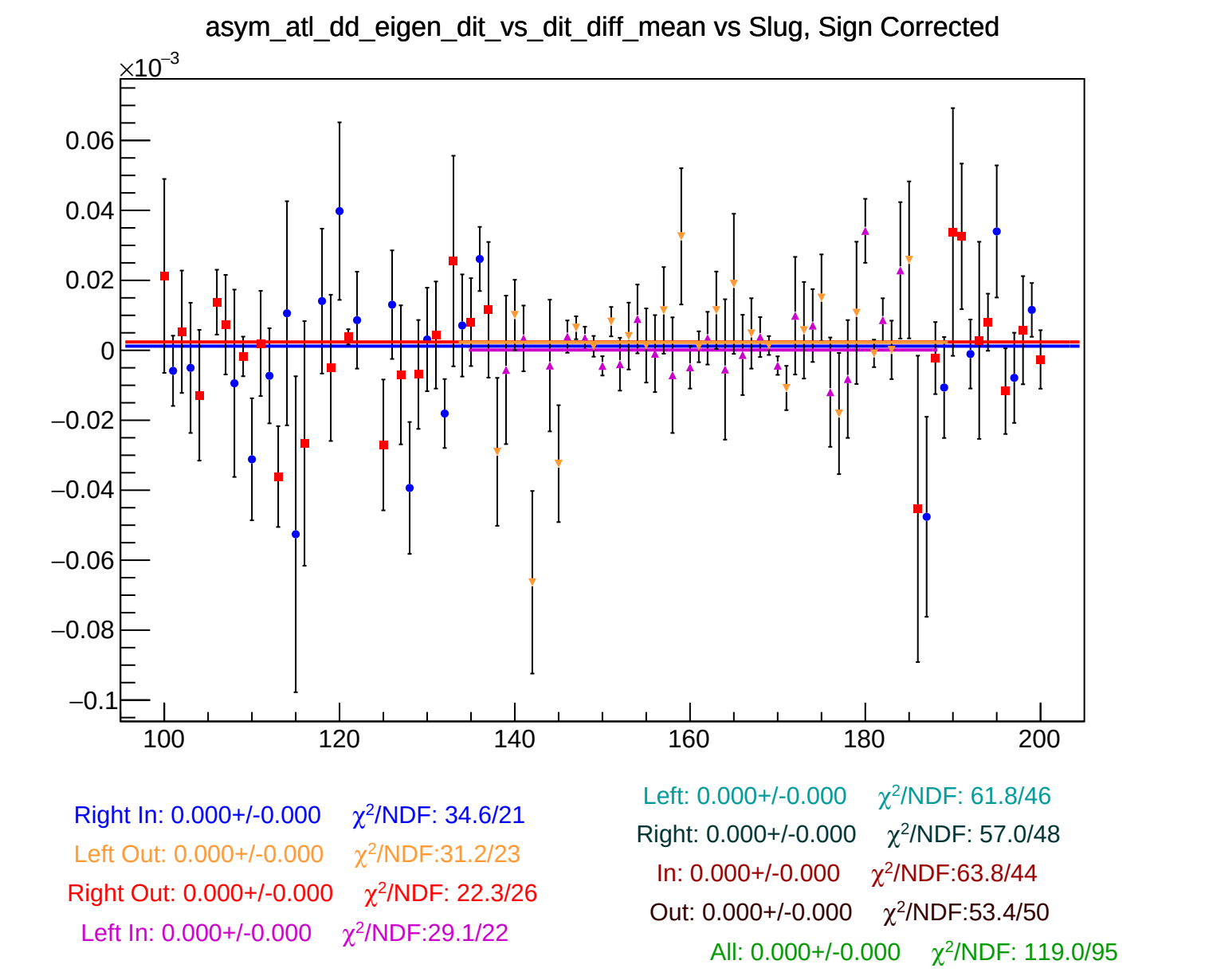
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

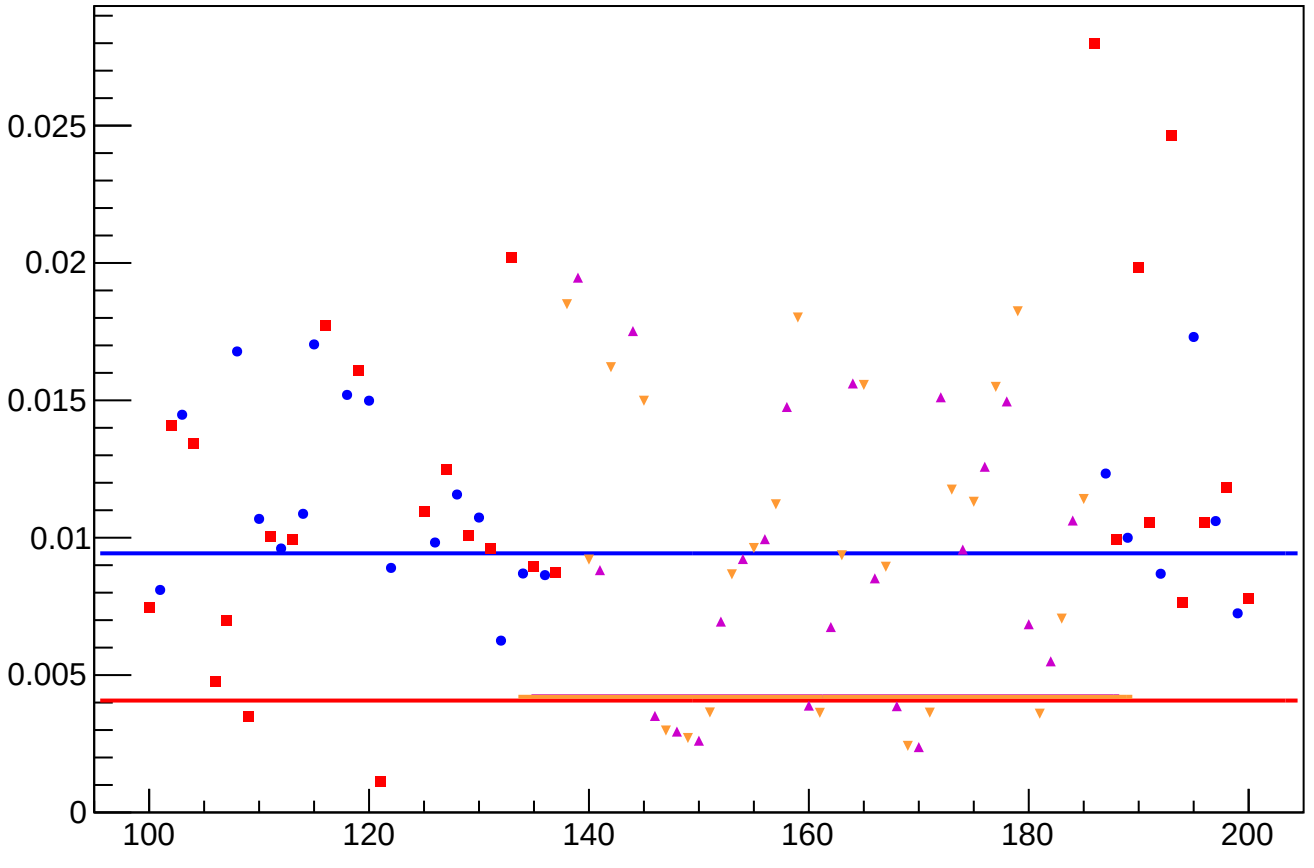
Right: 116.002+/-0.018 χ^2/NDF: 7905105.3/49

In: 160.060+/-0.025 χ^2/NDF:16285959.0/44

Out: 143.409+/-0.022 χ^2/NDF:21664587.4/52

All: 150.828+/-0.017 χ^2/NDF: 38198010.6/97


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.6/21
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/26
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: 0.000+/-0.000 χ²/NDF: 57.0/48
In: 0.000+/-0.000 χ²/NDF:63.8/44
Out: 0.000+/-0.000 χ²/NDF:53.4/50
All: 0.000+/-0.000 χ²/NDF: 119.0/95



Right In: 0.009+/-0.000 χ^2/NDF: 1488802.0/21

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

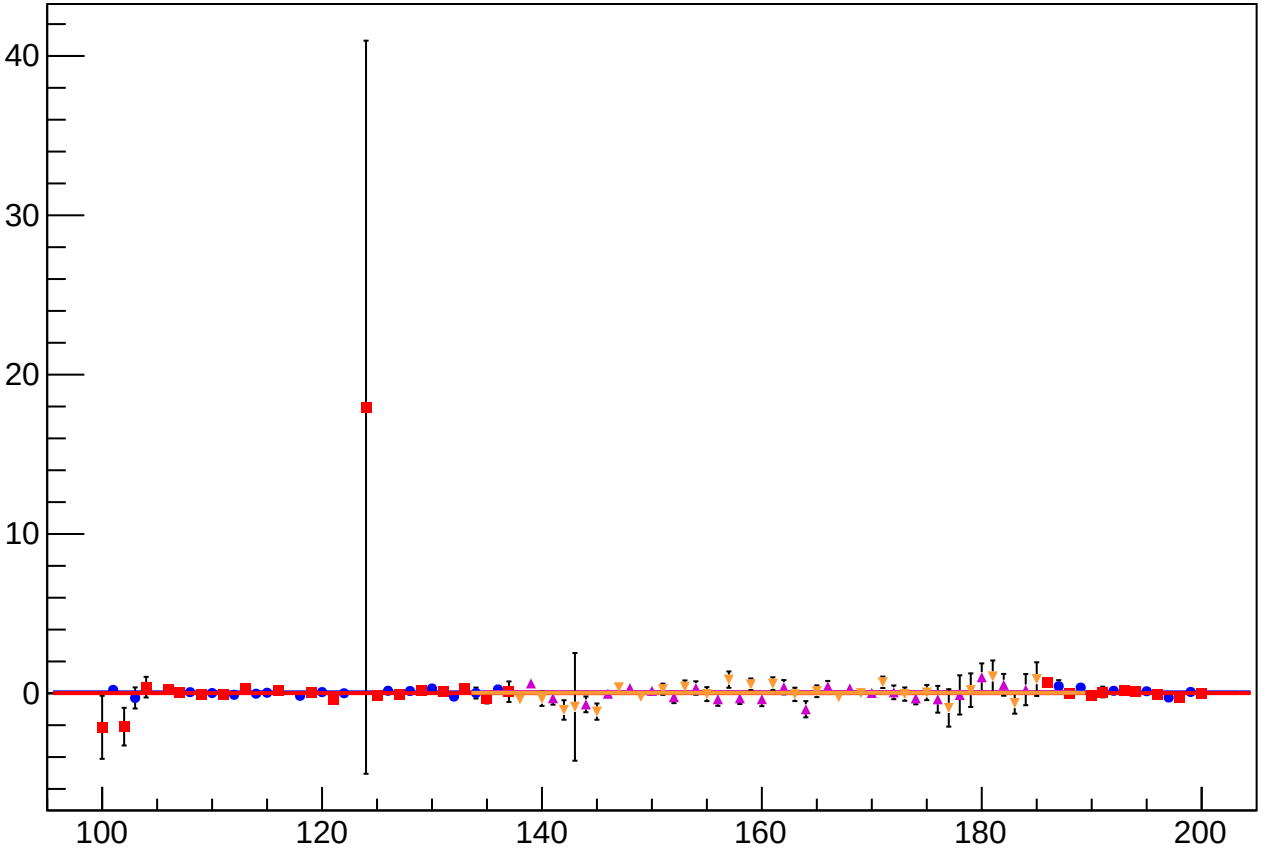
Right: 0.005+/-0.000 χ^2/NDF: 19910769.1/48

In: 0.005+/-0.000 χ^2/NDF:17730296.7/44

Out: 0.004+/-0.000 χ^2/NDF:25562073.8/50

All: 0.005+/-0.000 χ^2/NDF: 43939663.7/95

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

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

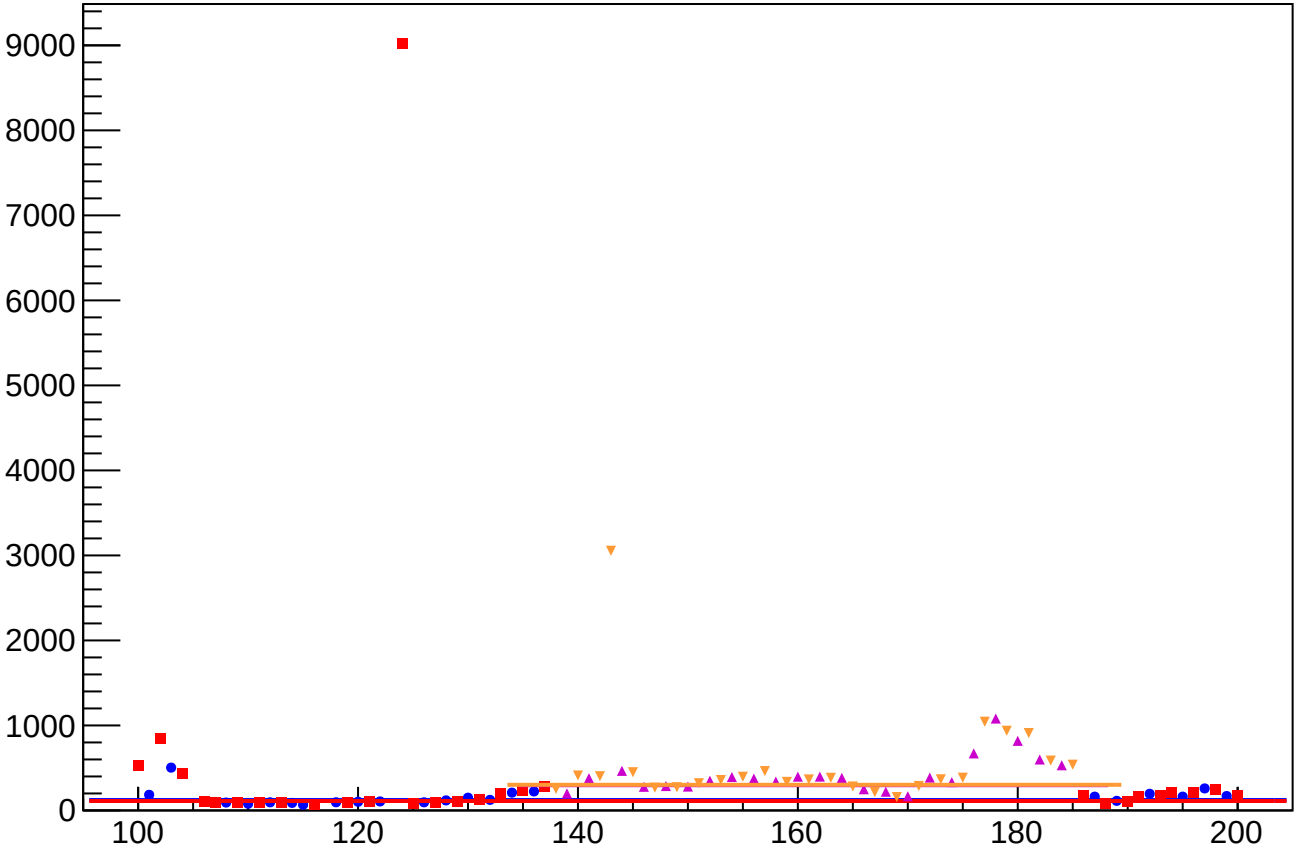
Right: 0.033+/-0.026 χ^2/NDF: 47.0/49

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.038+/-0.024 χ^2/NDF: 101.1/97

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

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

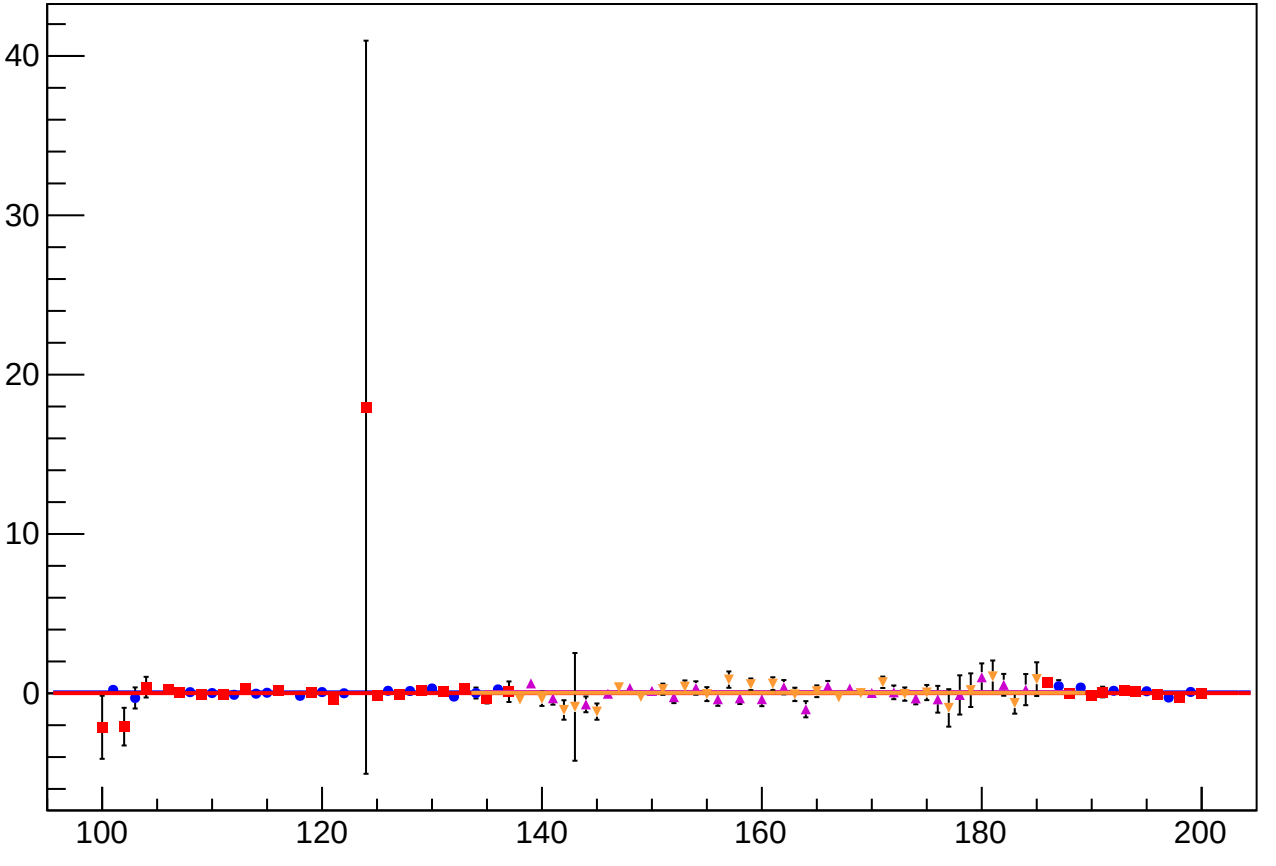
Right: 116.002+/-0.018 χ^2/NDF: 7904885.4/49

In: 160.060+/-0.025 χ^2/NDF:16286008.4/44

Out: 143.410+/-0.022 χ^2/NDF:21664495.3/52

All: 150.828+/-0.017 χ^2/NDF: 38197959.3/97

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

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

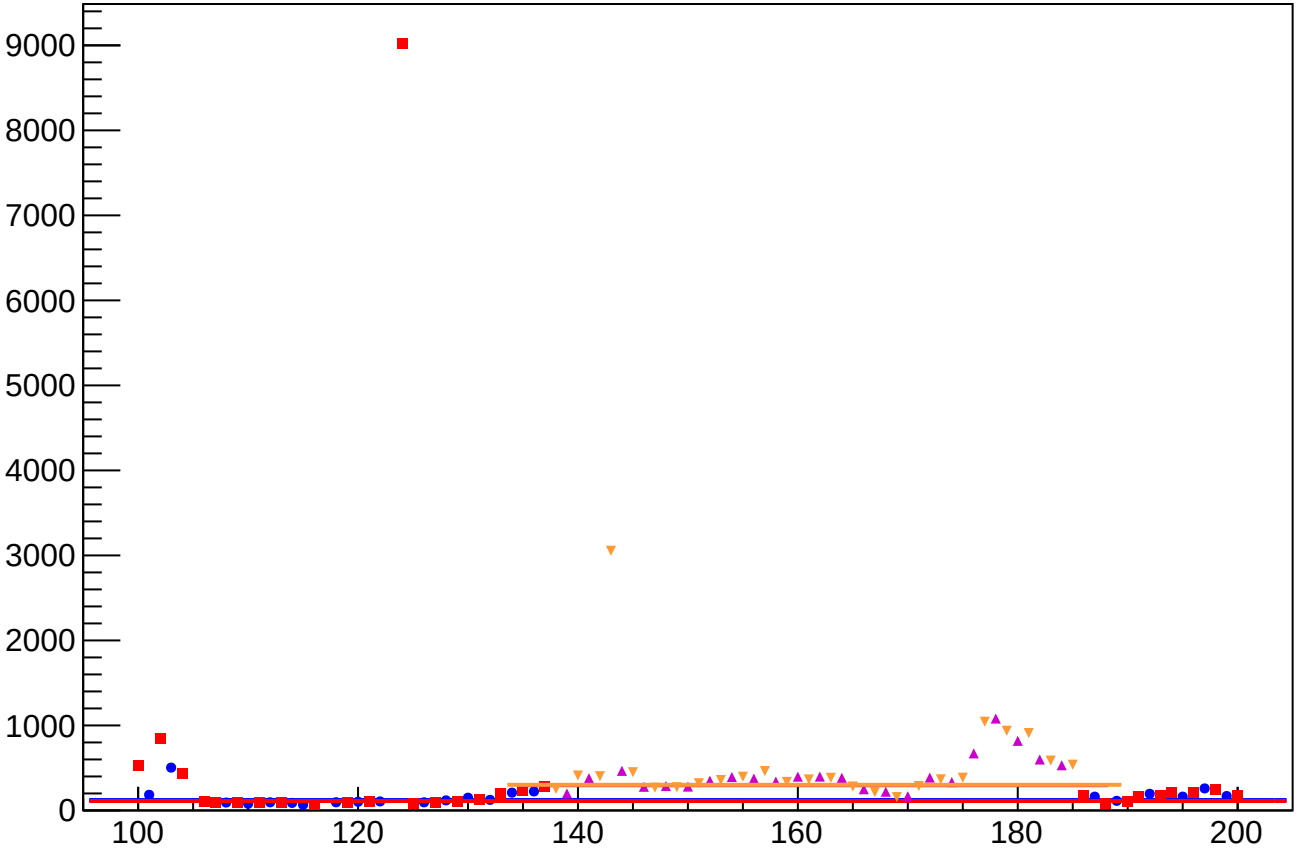
Right: 0.033+/-0.026 χ^2/NDF: 47.0/49

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.016+/-0.032 χ^2/NDF:60.3/52

All: 0.038+/-0.024 χ^2/NDF: 101.1/97

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

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

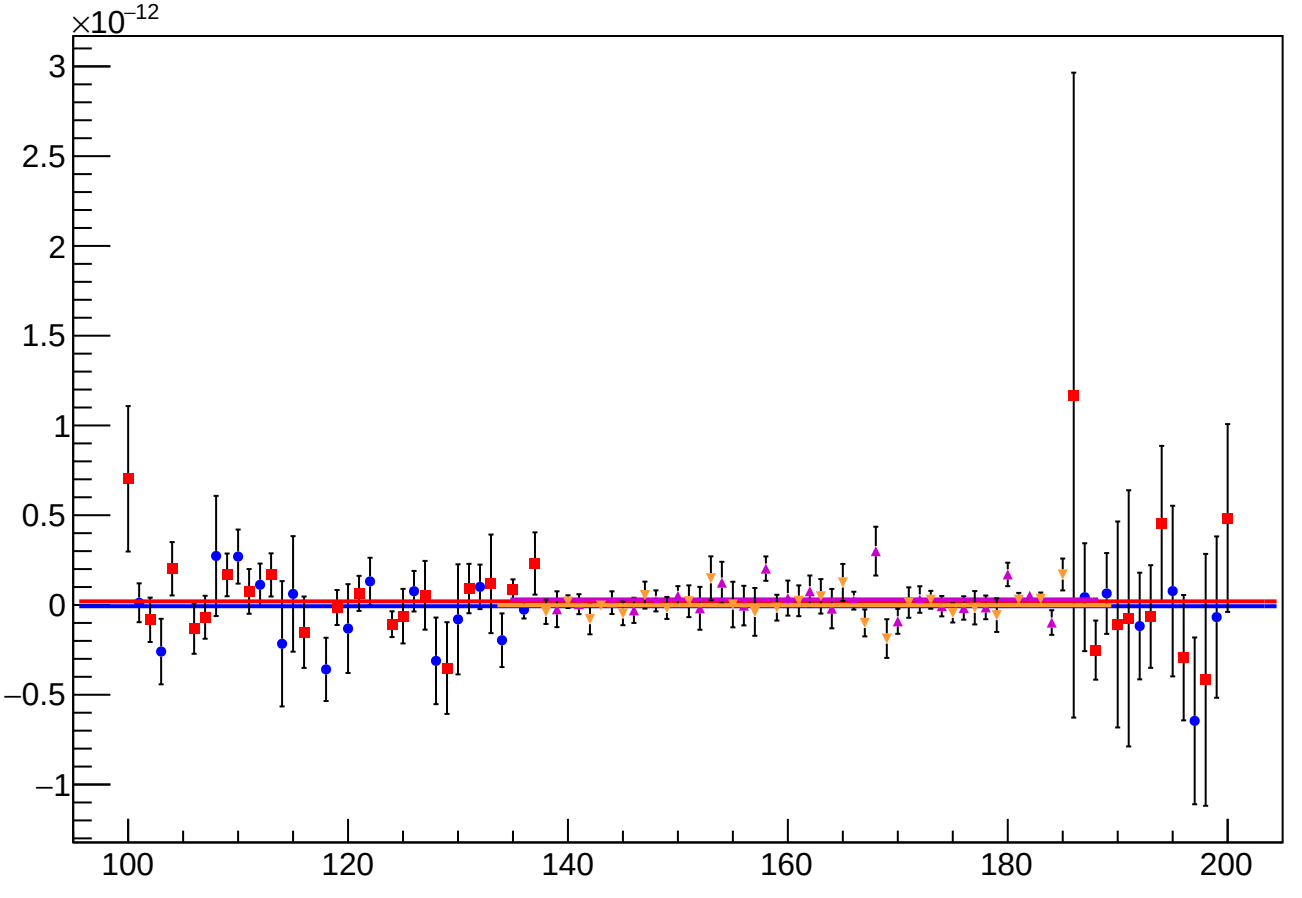
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 116.002+/-0.018 χ^2/NDF: 7904885.4/49

In: 160.060+/-0.025 χ^2/NDF:16286008.4/44

Out: 143.410+/-0.022 χ^2/NDF:21664495.3/52

All: 150.828+/-0.017 χ^2/NDF: 38197959.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/21

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

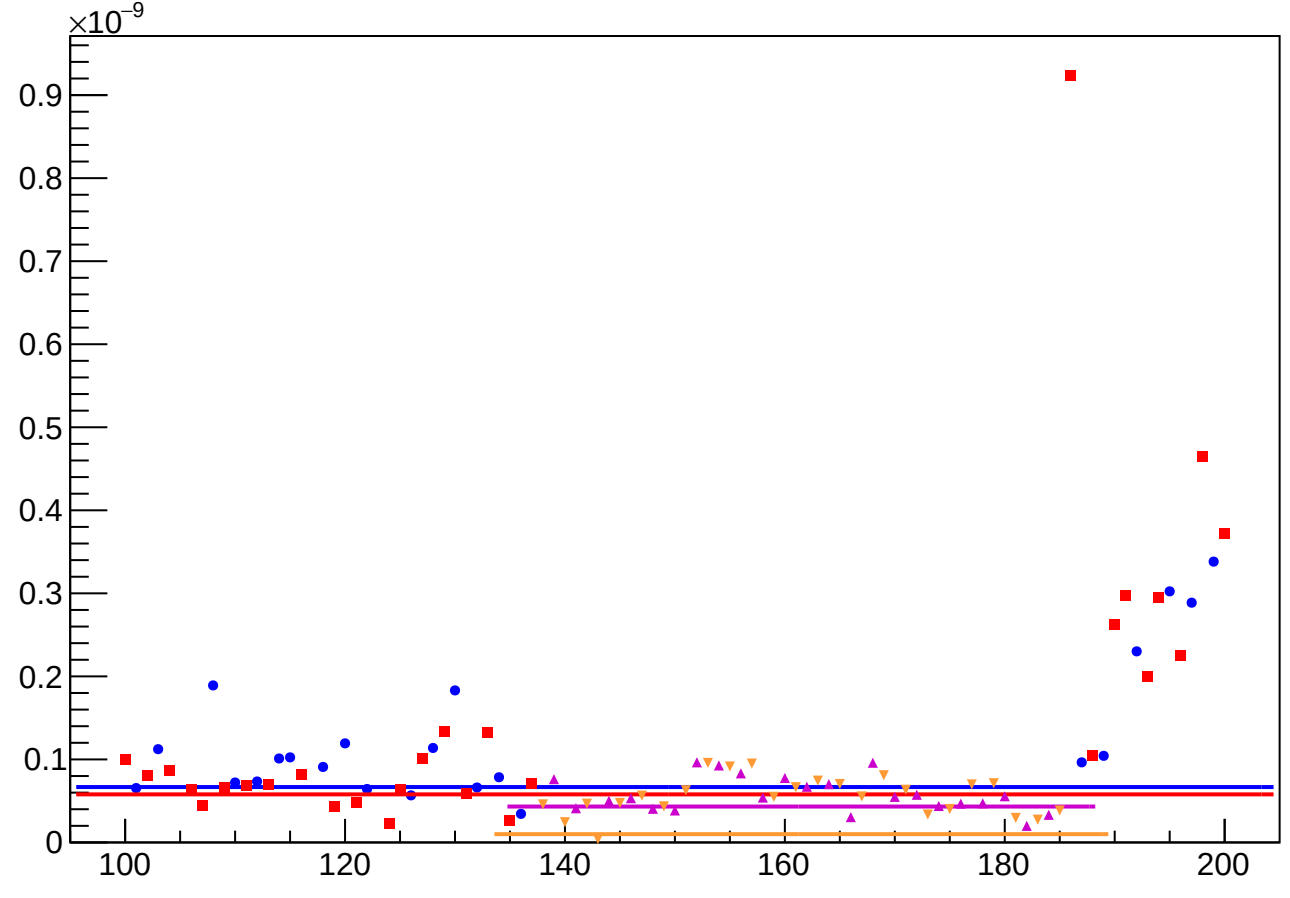
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 46.2/49

In: 0.000+/-0.000 χ^2/NDF:47.3/44

Out: -0.000+/-0.000 χ^2/NDF:44.4/52

All: 0.000+/-0.000 χ^2/NDF: 95.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 4186761.9/21

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

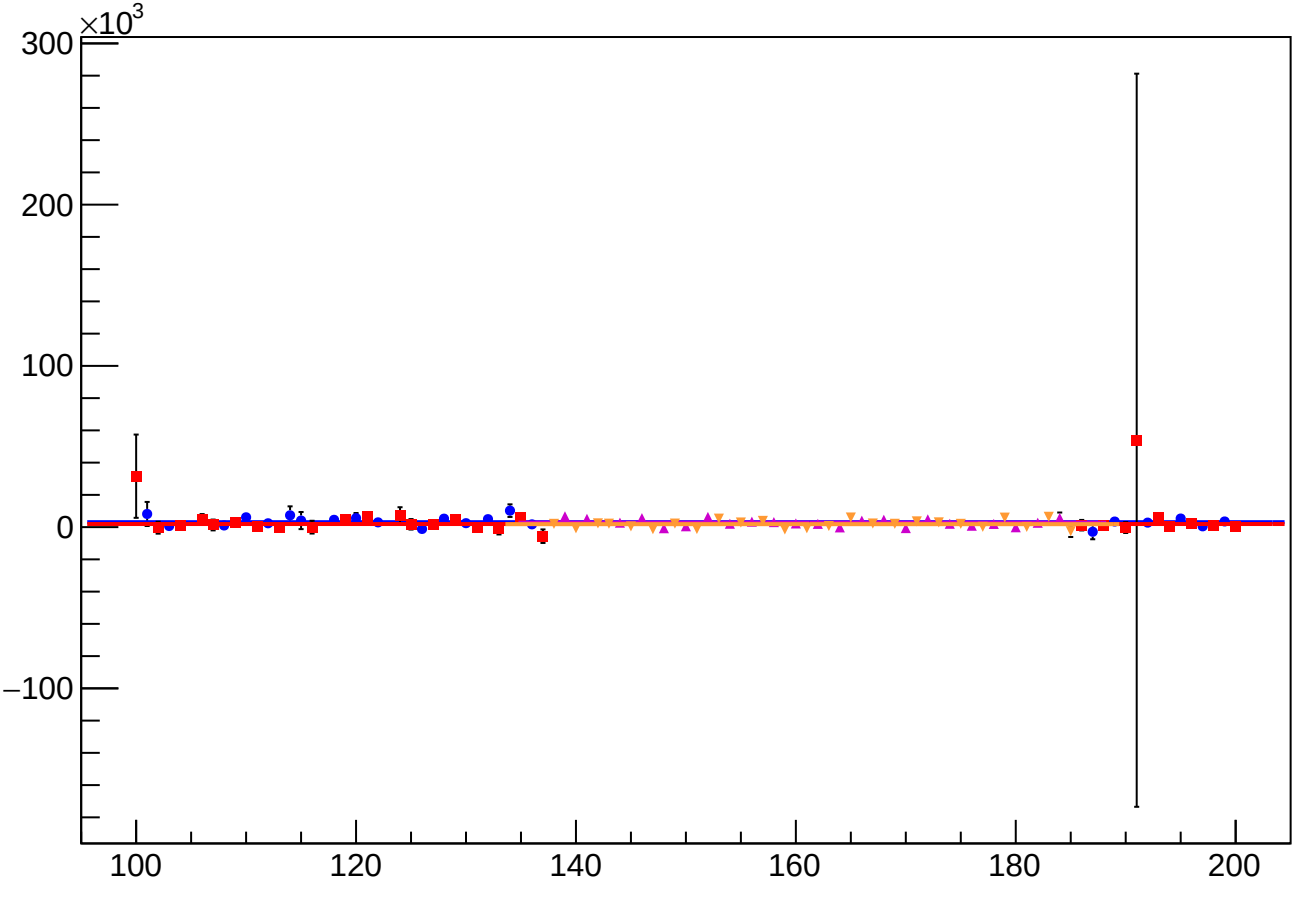
Right: 0.000+/-0.000 χ^2/NDF: 10127464.6/49

In: 0.000+/-0.000 χ^2/NDF:9211568.7/44

Out: 0.000+/-0.000 χ^2/NDF:30672590.5/52

All: 0.000+/-0.000 χ^2/NDF: 54080661.6/97

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3065.039+/-581.127 χ^2/NDF: 15.9/21

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

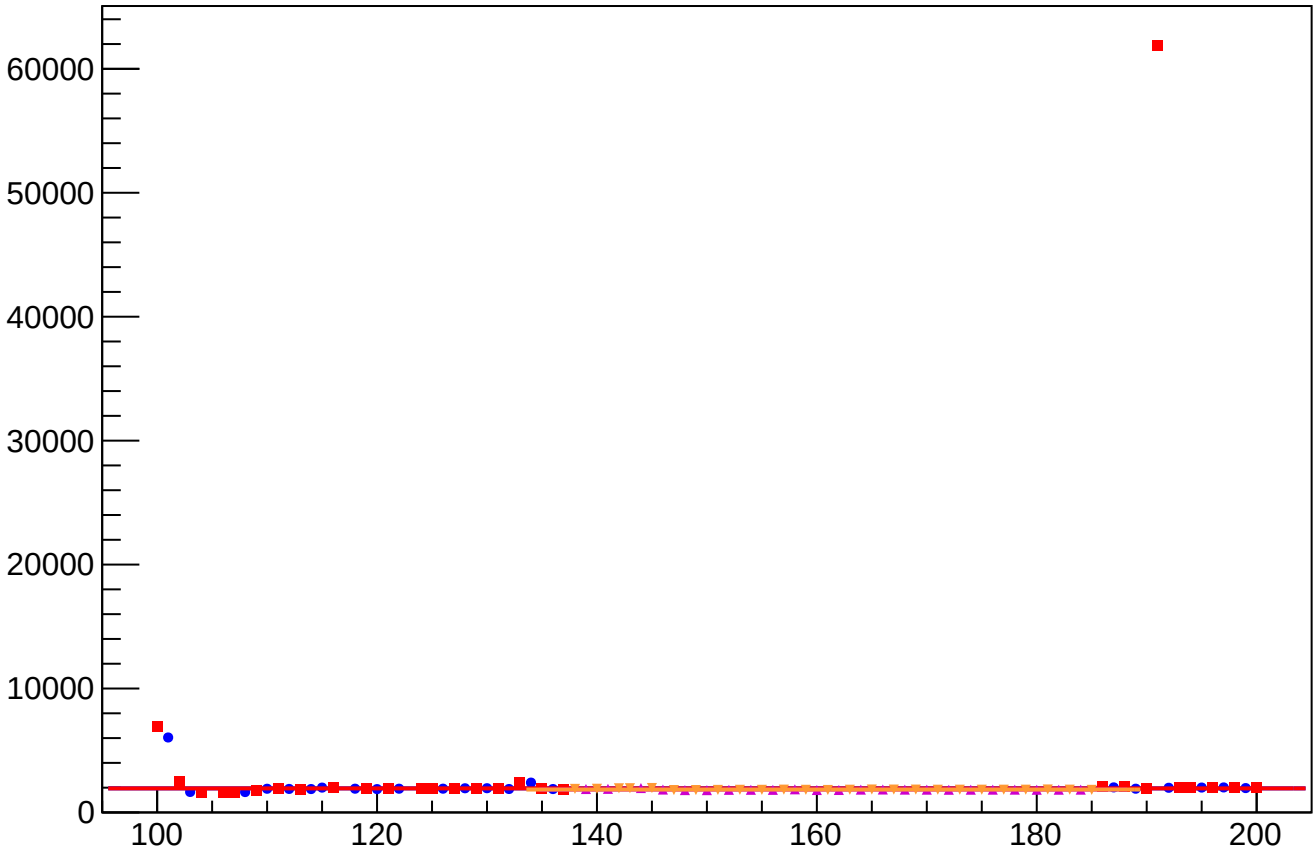
Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

Right: 2448.134+/-394.717 χ^2/NDF: 39.6/49

In: 2878.381+/-346.113 χ^2/NDF:41.5/44

Out: 1877.670+/-331.023 χ^2/NDF:53.1/52

All: 2355.736+/-239.226 χ^2/NDF: 99.0/97



Right In: 1944.214+/-0.411 χ^2/NDF: 705767.3/21

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

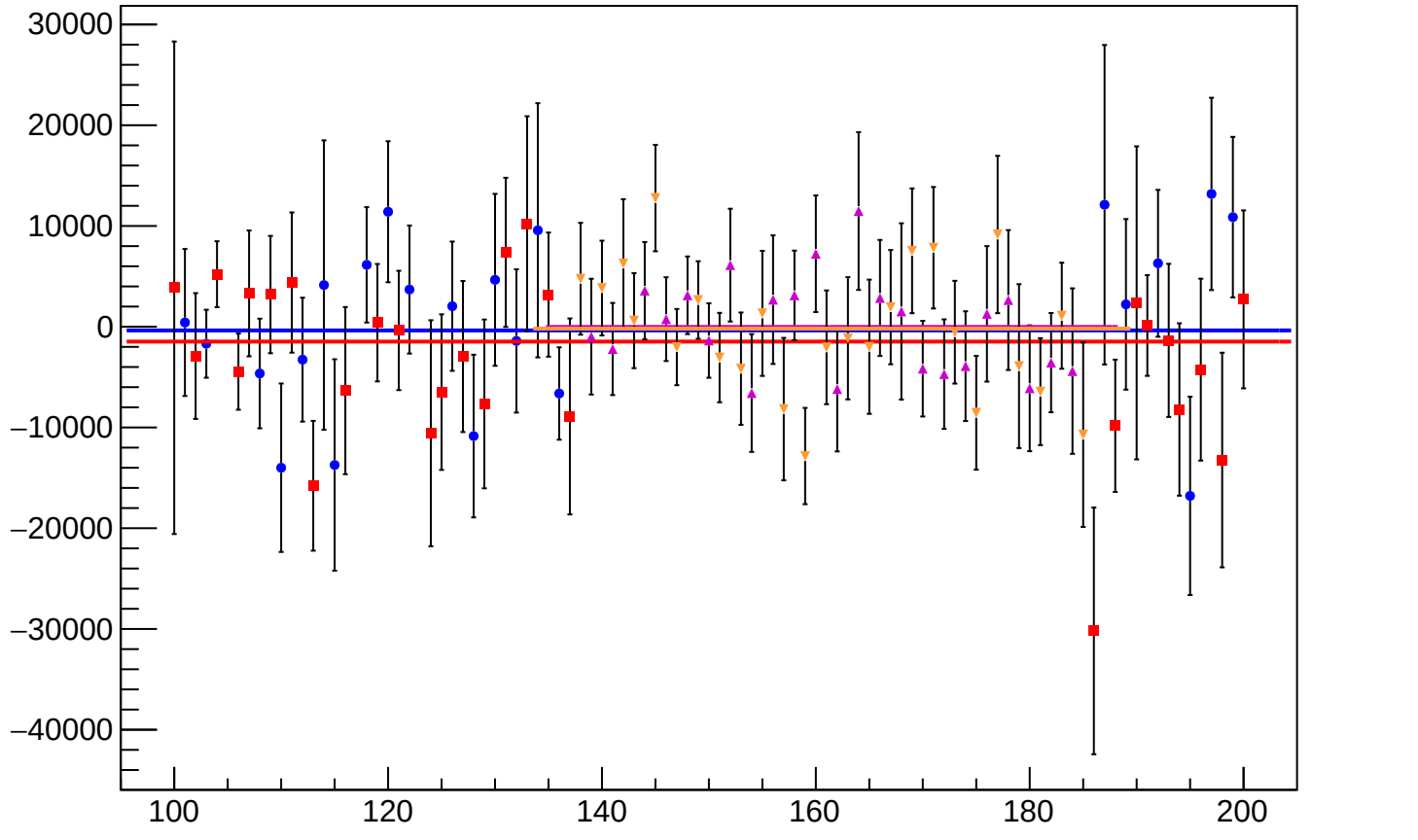
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1943.048+/-0.279 χ^2/NDF: 1109213.7/49

In: 1880.233+/-0.245 χ^2/NDF:757363.6/44

Out: 1884.042+/-0.234 χ^2/NDF:461984.9/52

All: 1882.224+/-0.169 χ^2/NDF: 1219475.1/97



Right In: -367.009+/-1456.110 χ^2/NDF: 22.9/21

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

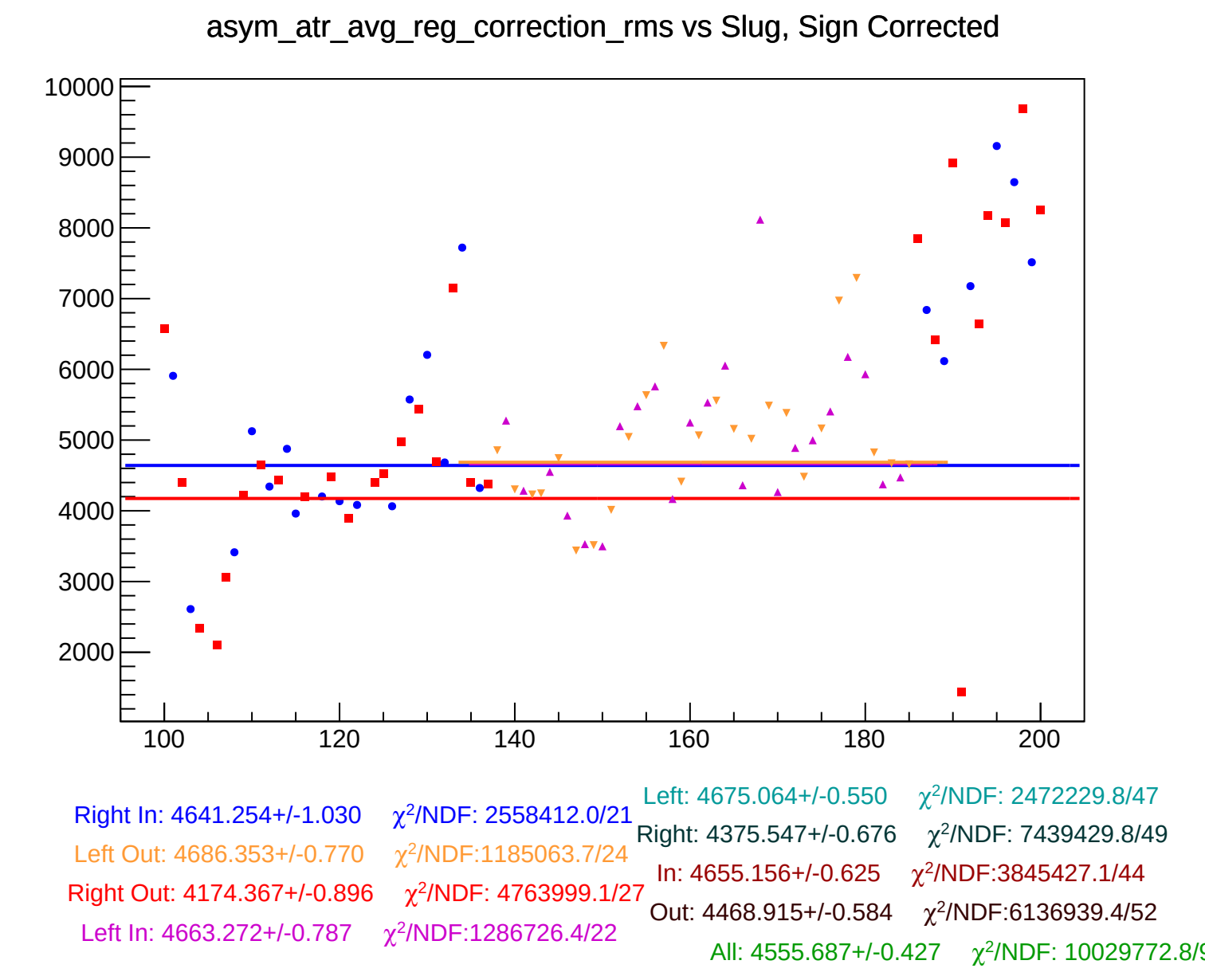
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -998.258+/-955.833 χ^2/NDF: 50.4/49

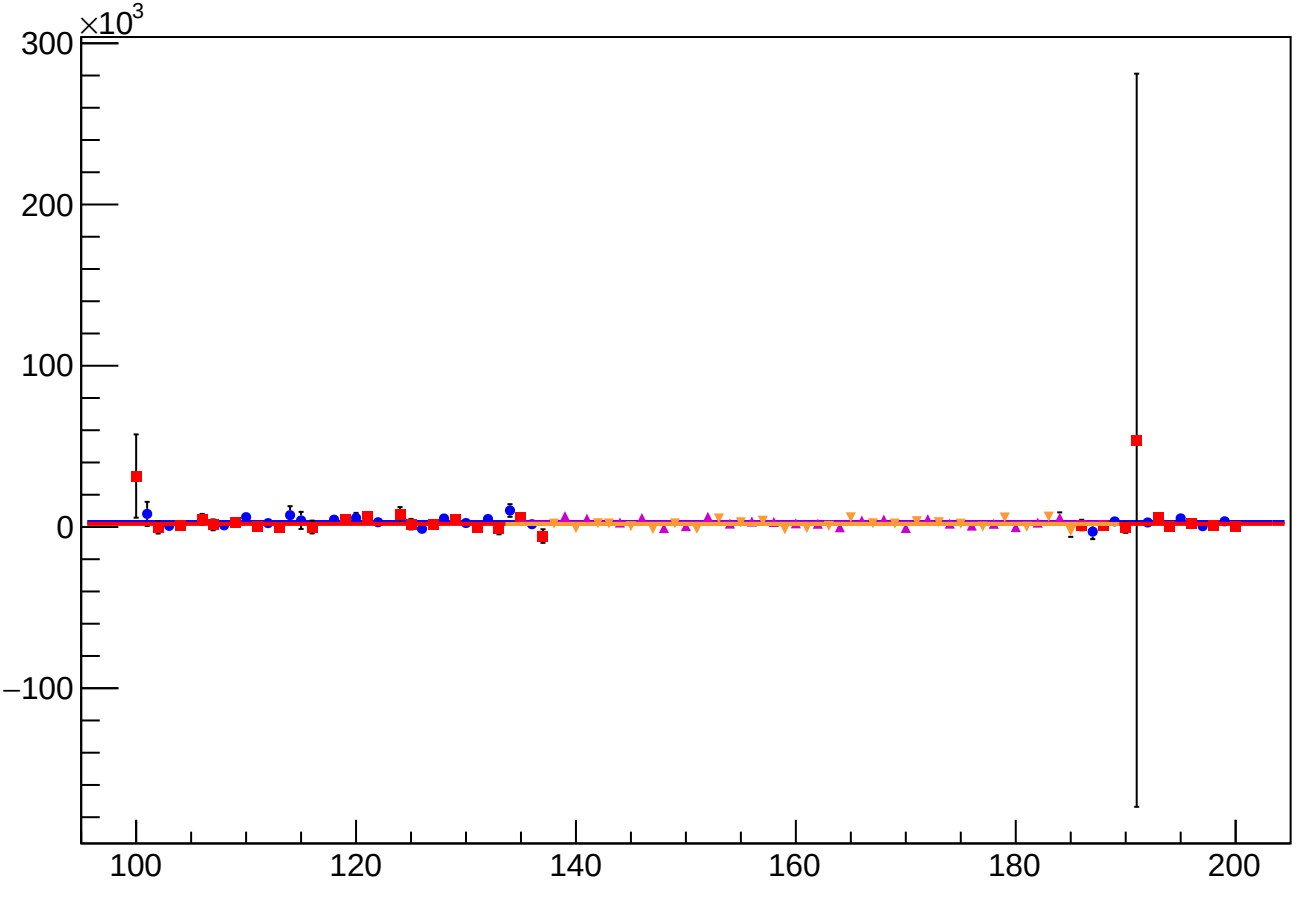
In: -147.527+/-884.052 χ^2/NDF:36.7/44

Out: -735.934+/-825.705 χ^2/NDF:56.7/52

All: -461.787+/-603.435 χ^2/NDF: 93.6/97


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4641.254+/-1.030 χ²/NDF: 2558412.0/21
Left Out: 4686.353+/-0.770 χ²/NDF:1185063.7/24
Right Out: 4174.367+/-0.896 χ²/NDF: 4763999.1/27
Left In: 4663.272+/-0.787 χ²/NDF:1286726.4/22
Left: 4675.064+/-0.550 χ²/NDF: 2472229.8/47
Right: 4375.547+/-0.676 χ²/NDF: 7439429.8/49
In: 4655.156+/-0.625 χ²/NDF:3845427.1/44
Out: 4468.915+/-0.584 χ²/NDF:6136939.4/52
All: 4555.687+/-0.427 χ²/NDF: 10029772.8/9

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

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

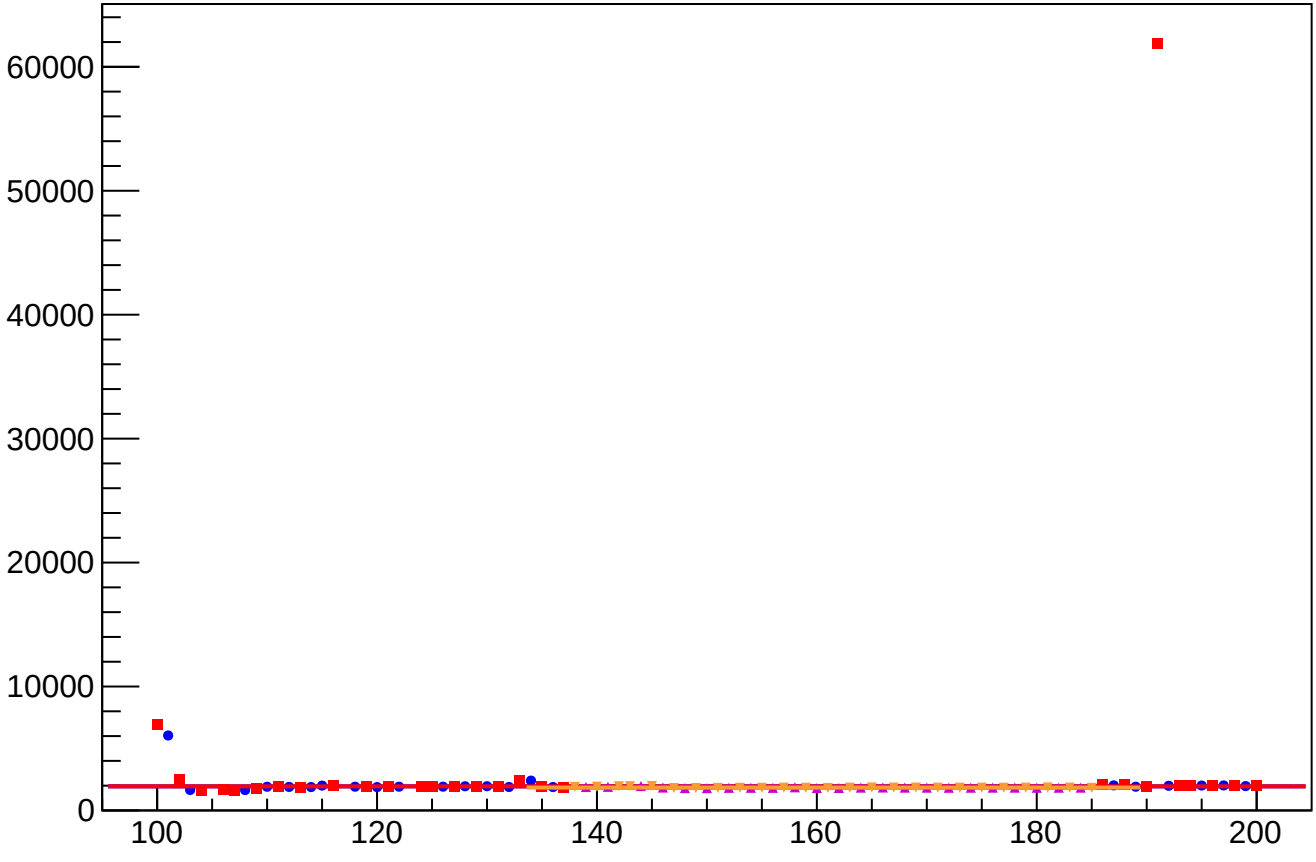
Right: 2448.293+/-394.718 χ^2/NDF: 39.6/49

In: 2878.230+/-346.113 χ^2/NDF:41.5/44

Out: 1877.835+/-331.024 χ^2/NDF:53.1/52

All: 2355.751+/-239.226 χ^2/NDF: 99.0/97

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

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

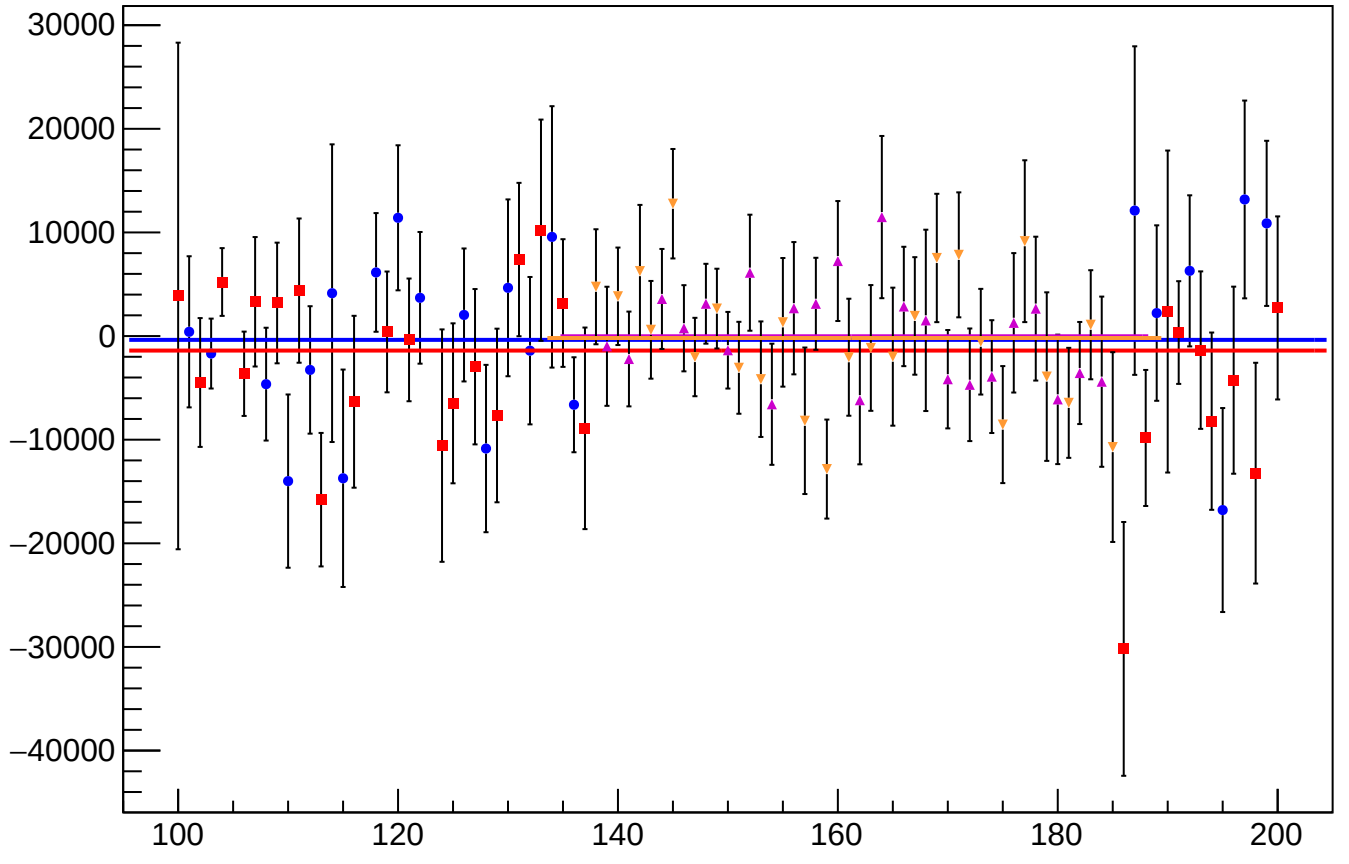
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1944.341+/-0.279 χ^2/NDF: 1101085.5/49

In: 1880.233+/-0.245 χ^2/NDF:757362.8/44

Out: 1884.903+/-0.234 χ^2/NDF:455772.9/52

All: 1882.673+/-0.169 χ^2/NDF: 1213326.0/97



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

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

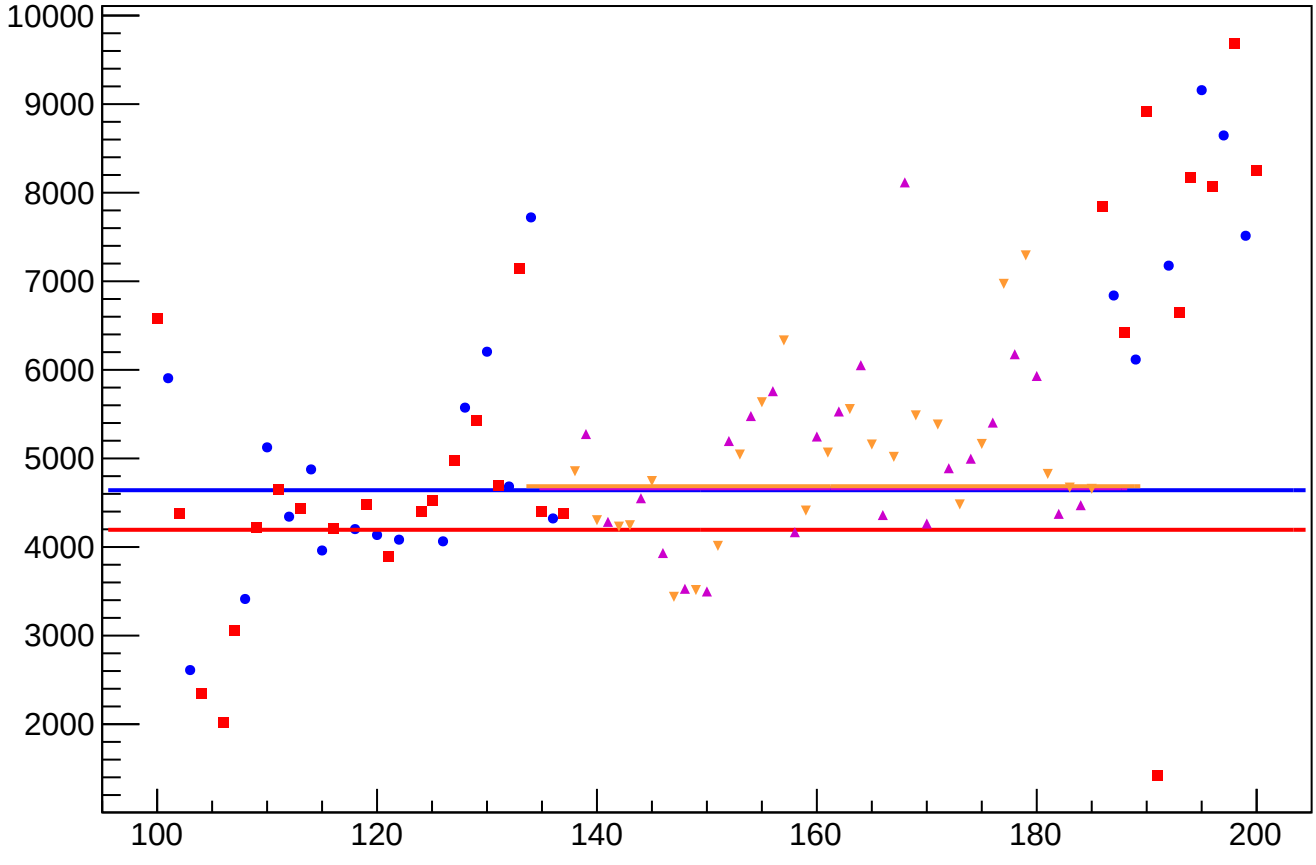
Right: -951.278+/-959.641 χ^2/NDF: 50.3/49

In: -147.652+/-884.052 χ^2/NDF:36.7/44

Out: -699.314+/-828.156 χ^2/NDF:56.5/52

All: -441.474+/-604.390 χ^2/NDF: 93.4/97

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

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

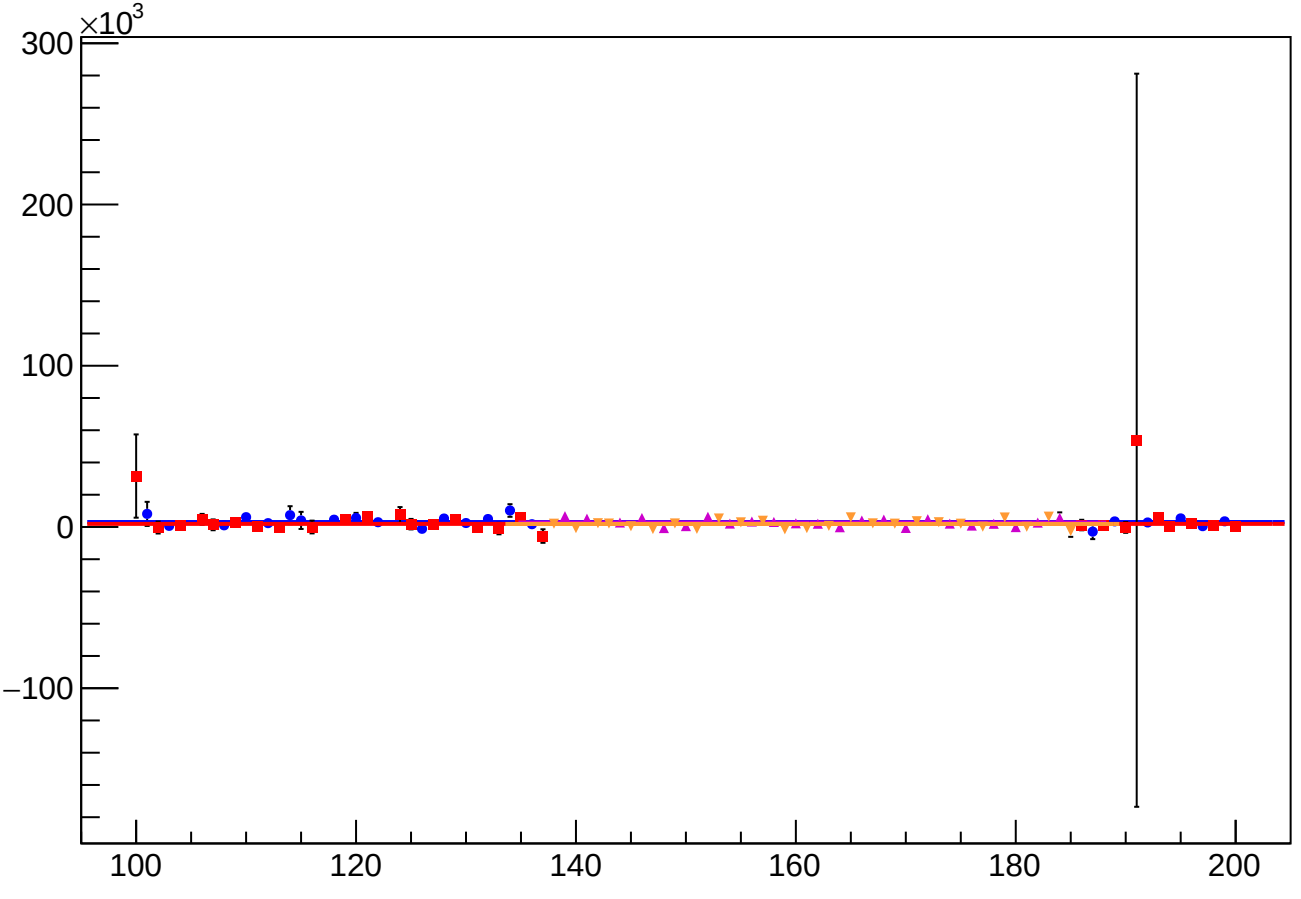
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4388.561+/-0.679 χ^2/NDF: 7400431.7/49

In: 4655.186+/-0.625 χ^2/NDF:3844848.3/44

Out: 4479.133+/-0.586 χ^2/NDF:6093143.3/52

All: 4561.418+/-0.427 χ^2/NDF: 9980236.6/97



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

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

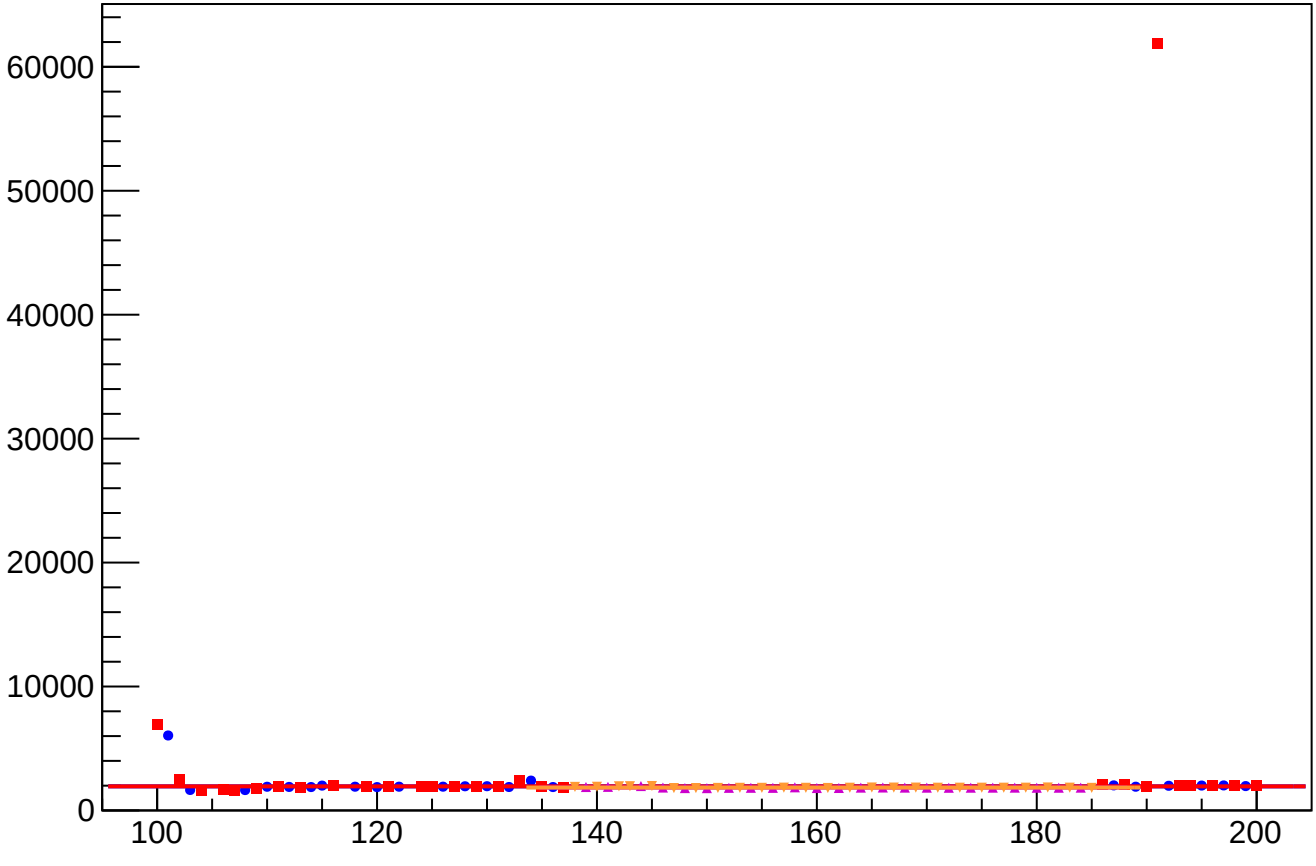
Right: 2448.293+/-394.718 χ^2/NDF: 39.6/49

In: 2878.230+/-346.113 χ^2/NDF:41.5/44

Out: 1877.835+/-331.024 χ^2/NDF:53.1/52

All: 2355.751+/-239.226 χ^2/NDF: 99.0/97

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

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

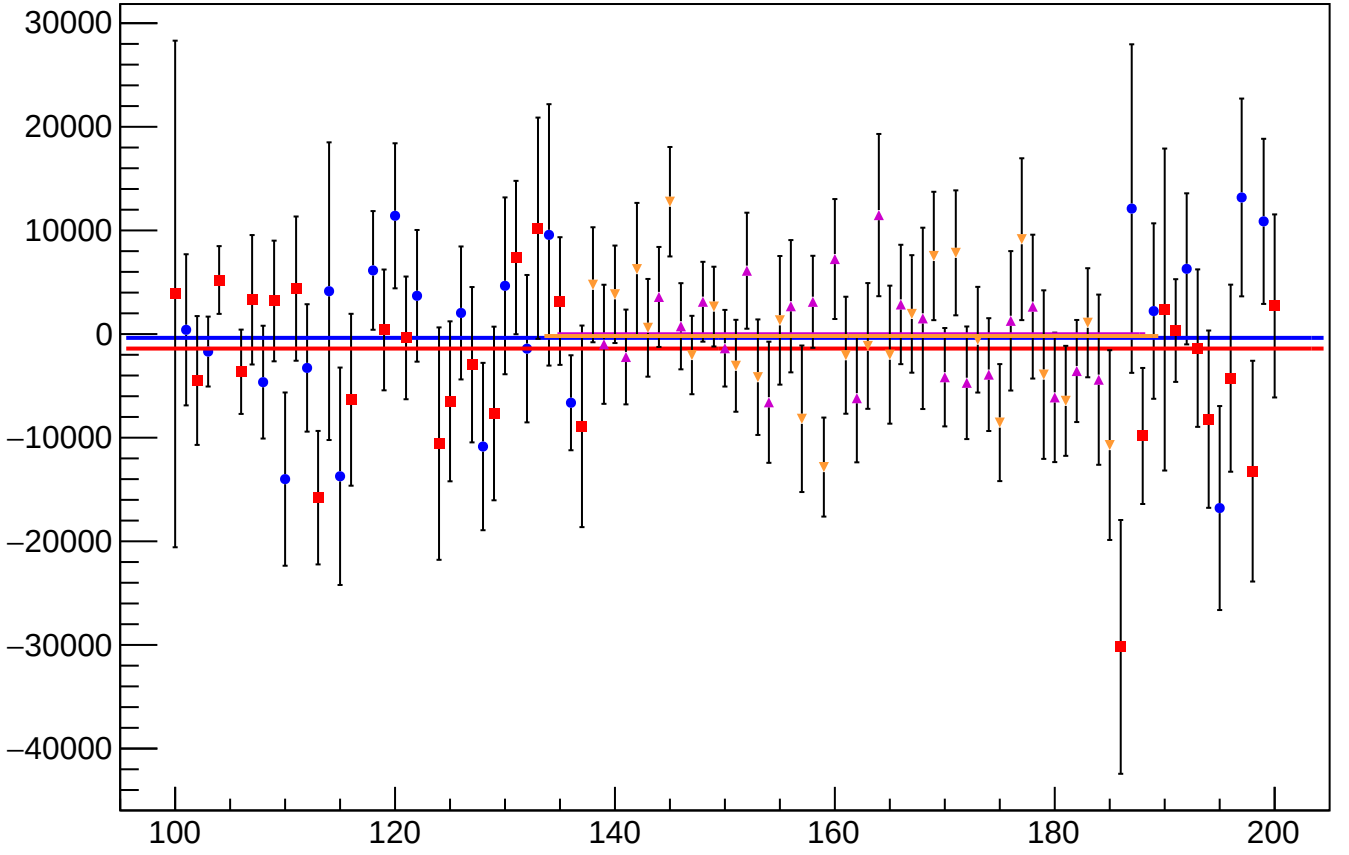
Right: 1944.341+/-0.279 χ^2/NDF: 1101085.5/49

In: 1880.233+/-0.245 χ^2/NDF:757362.8/44

Out: 1884.903+/-0.234 χ^2/NDF:455772.9/52

All: 1882.673+/-0.169 χ^2/NDF: 1213326.0/97

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

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

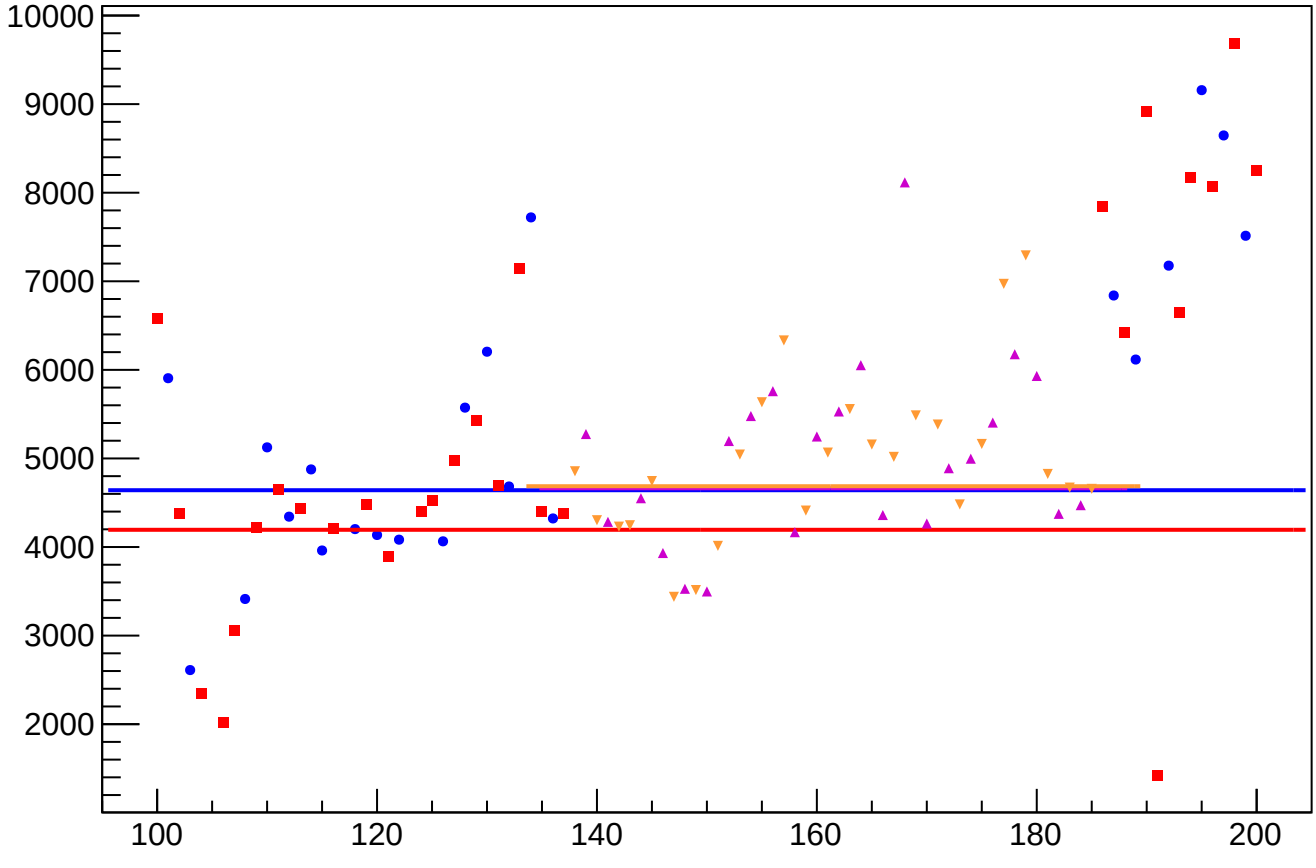
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -951.278+/-959.641 χ^2/NDF: 50.3/49

In: -147.652+/-884.052 χ^2/NDF:36.7/44

Out: -699.314+/-828.156 χ^2/NDF:56.5/52

All: -441.474+/-604.390 χ^2/NDF: 93.4/97



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

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

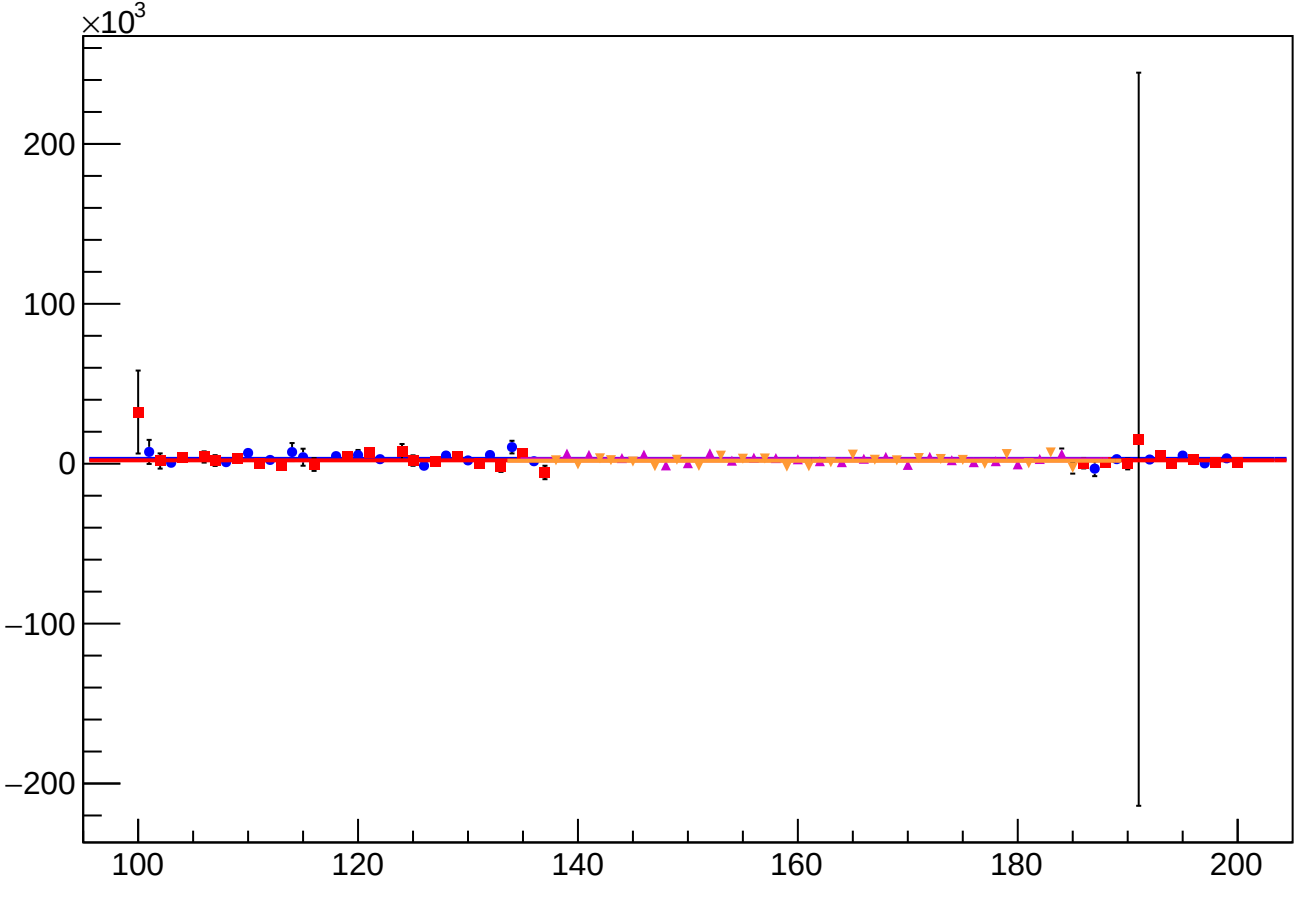
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4388.561+/-0.679 χ^2/NDF: 7400431.7/49

In: 4655.186+/-0.625 χ^2/NDF:3844848.3/44

Out: 4479.133+/-0.586 χ^2/NDF:6093143.3/52

All: 4561.418+/-0.427 χ^2/NDF: 9980236.6/97



Right In: 3028.457+/-595.430 χ^2/NDF: 16.4/21

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

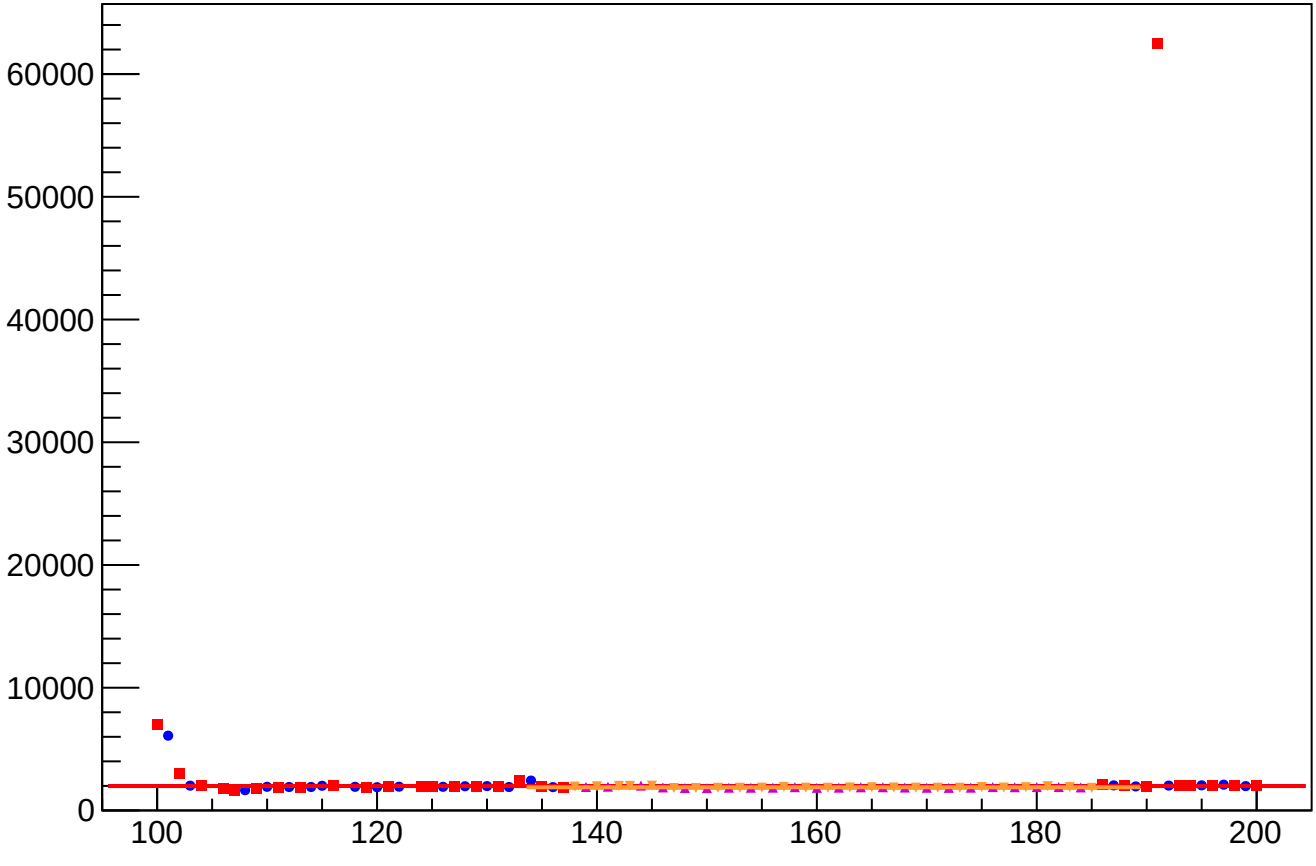
Right: 2539.033+/-404.472 χ^2/NDF: 39.7/49

In: 2879.495+/-353.467 χ^2/NDF:41.9/44

Out: 1971.004+/-338.525 χ^2/NDF:55.1/52

All: 2405.642+/-244.485 χ^2/NDF: 100.5/97

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.0/21

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

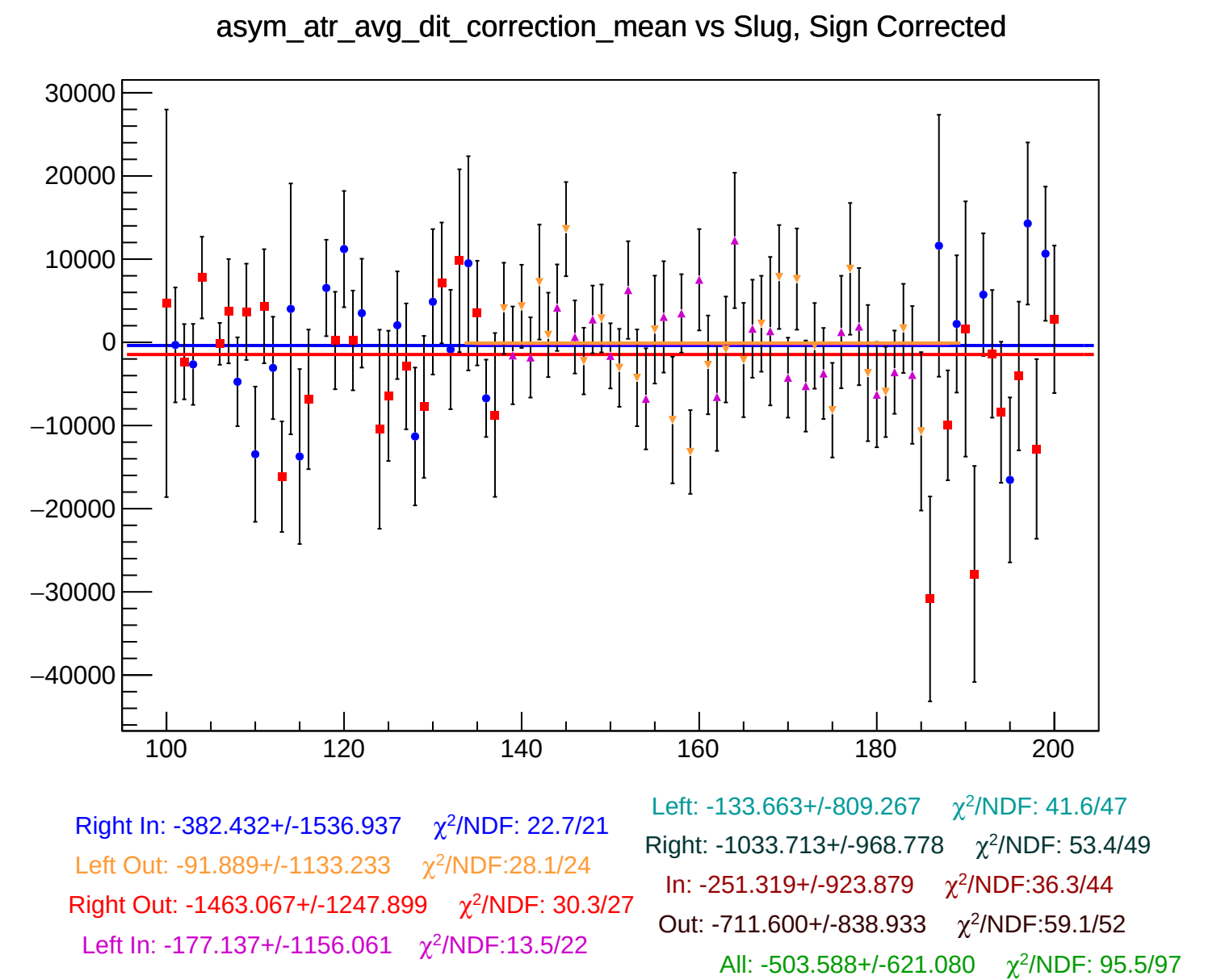
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

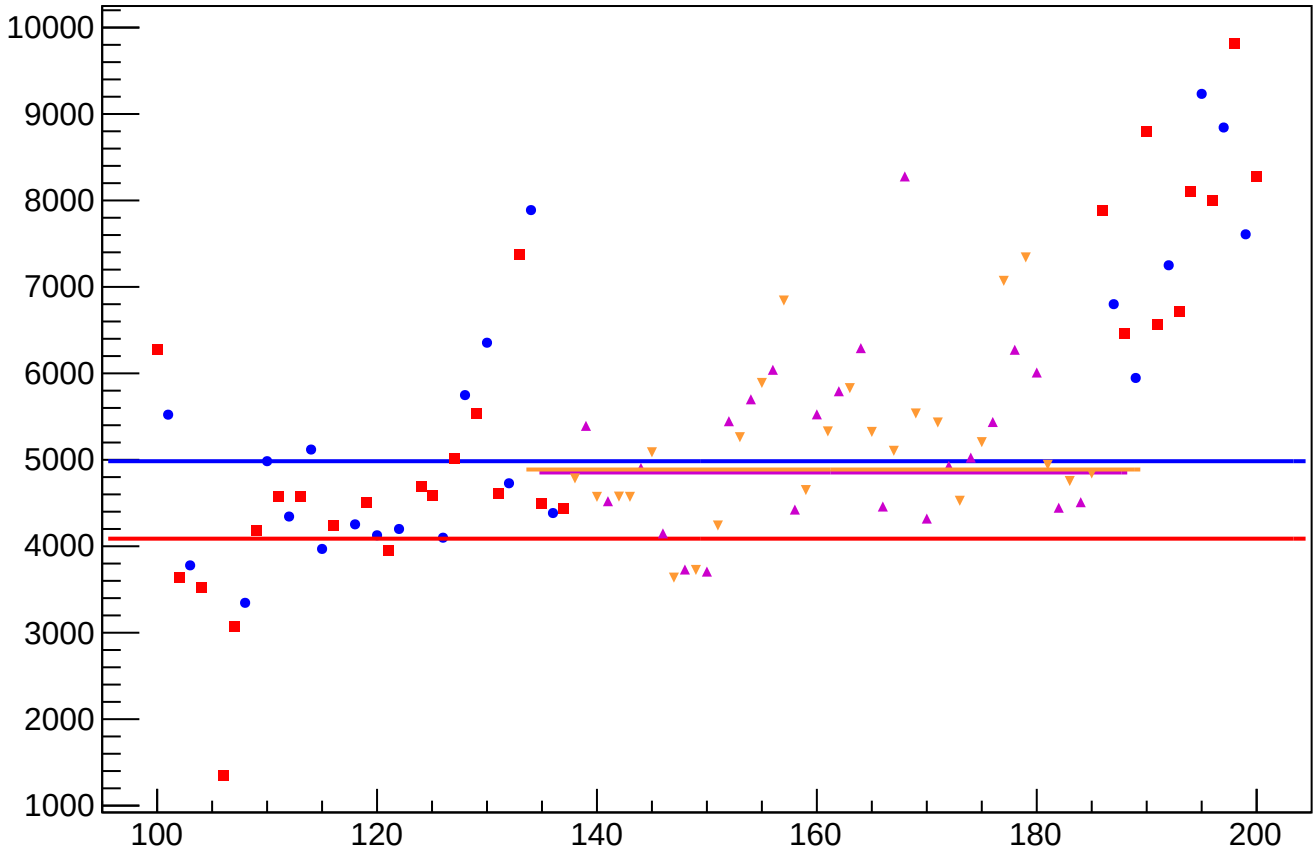
Right: 1990.410+/-0.286 χ^2/NDF: 1090402.8/49

In: 1920.275+/-0.250 χ^2/NDF:738617.8/44

Out: 1925.464+/-0.239 χ^2/NDF:490456.6/52

All: 1922.982+/-0.173 χ^2/NDF: 1229299.2/97


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: -382.432+/-1536.937 χ²/NDF: 22.7/21
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: -1033.713+/-968.778 χ²/NDF: 53.4/49
In: -251.319+/-923.879 χ²/NDF:36.3/44
Out: -711.600+/-838.933 χ²/NDF:59.1/52
All: -503.588+/-621.080 χ²/NDF: 95.5/97



Right In: 4983.945+/-1.087 χ^2/NDF: 1831019.3/21

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

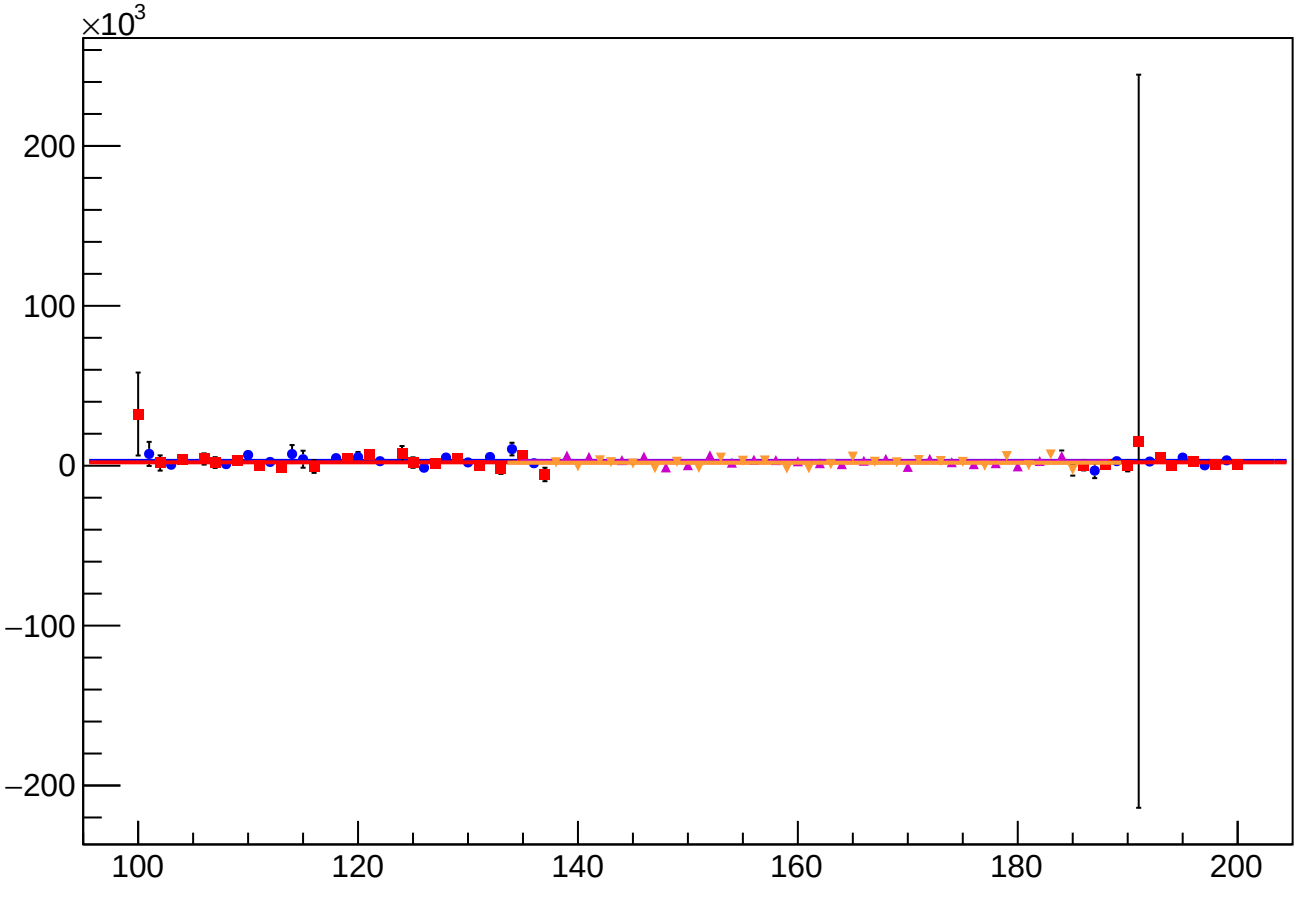
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4443.936+/-0.685 χ^2/NDF: 7852072.9/49

In: 4900.548+/-0.653 χ^2/NDF:3018876.7/44

Out: 4526.311+/-0.593 χ^2/NDF:7125027.1/52

All: 4695.437+/-0.439 χ^2/NDF: 10323763.5/9



Right In: 3028.460+/-595.430 χ^2/NDF: 16.4/21

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

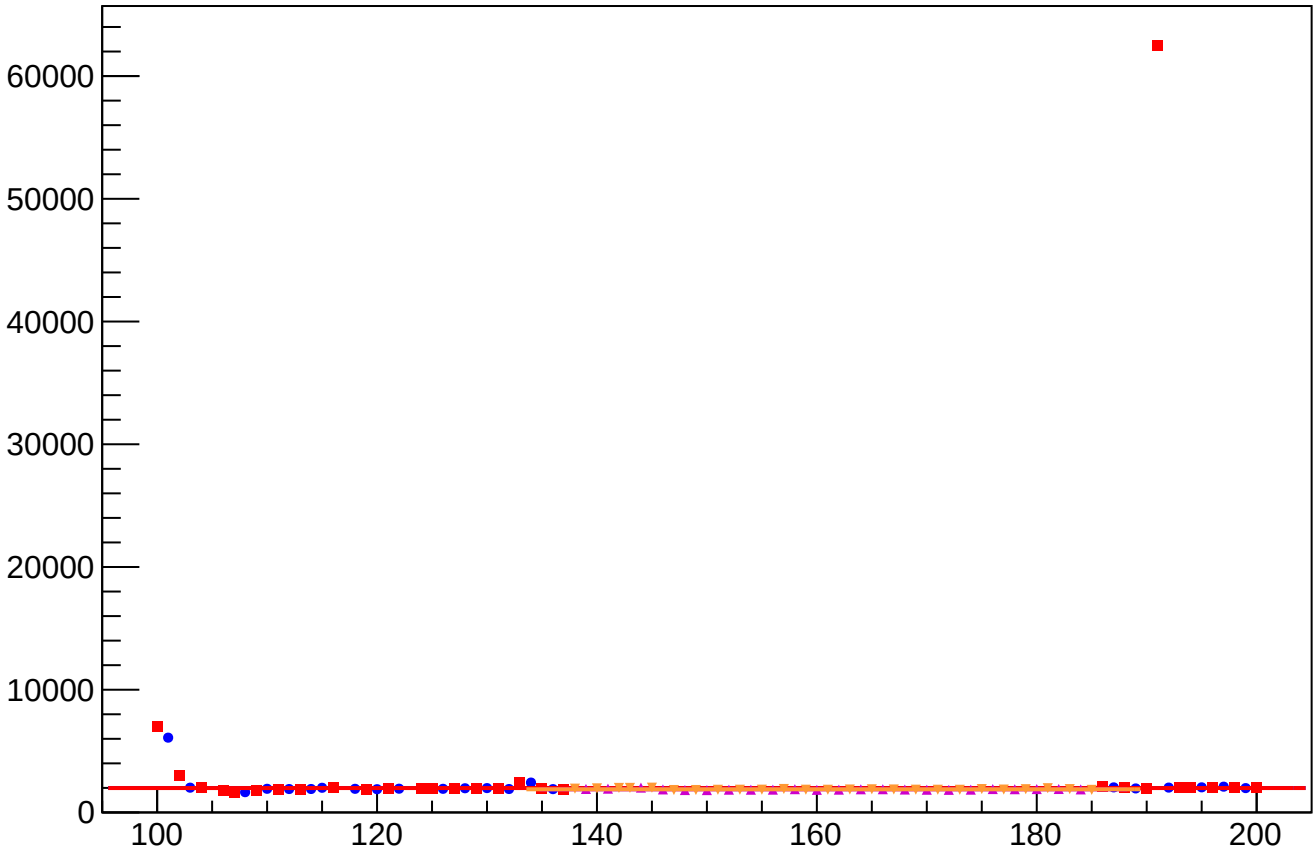
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2539.035+/-404.472 χ^2/NDF: 39.7/49

In: 2879.496+/-353.467 χ^2/NDF:41.9/44

Out: 1971.001+/-338.525 χ^2/NDF:55.1/52

All: 2405.641+/-244.485 χ^2/NDF: 100.5/97



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.1/21

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.995+/-0.390 χ^2/NDF: 417104.0/27

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

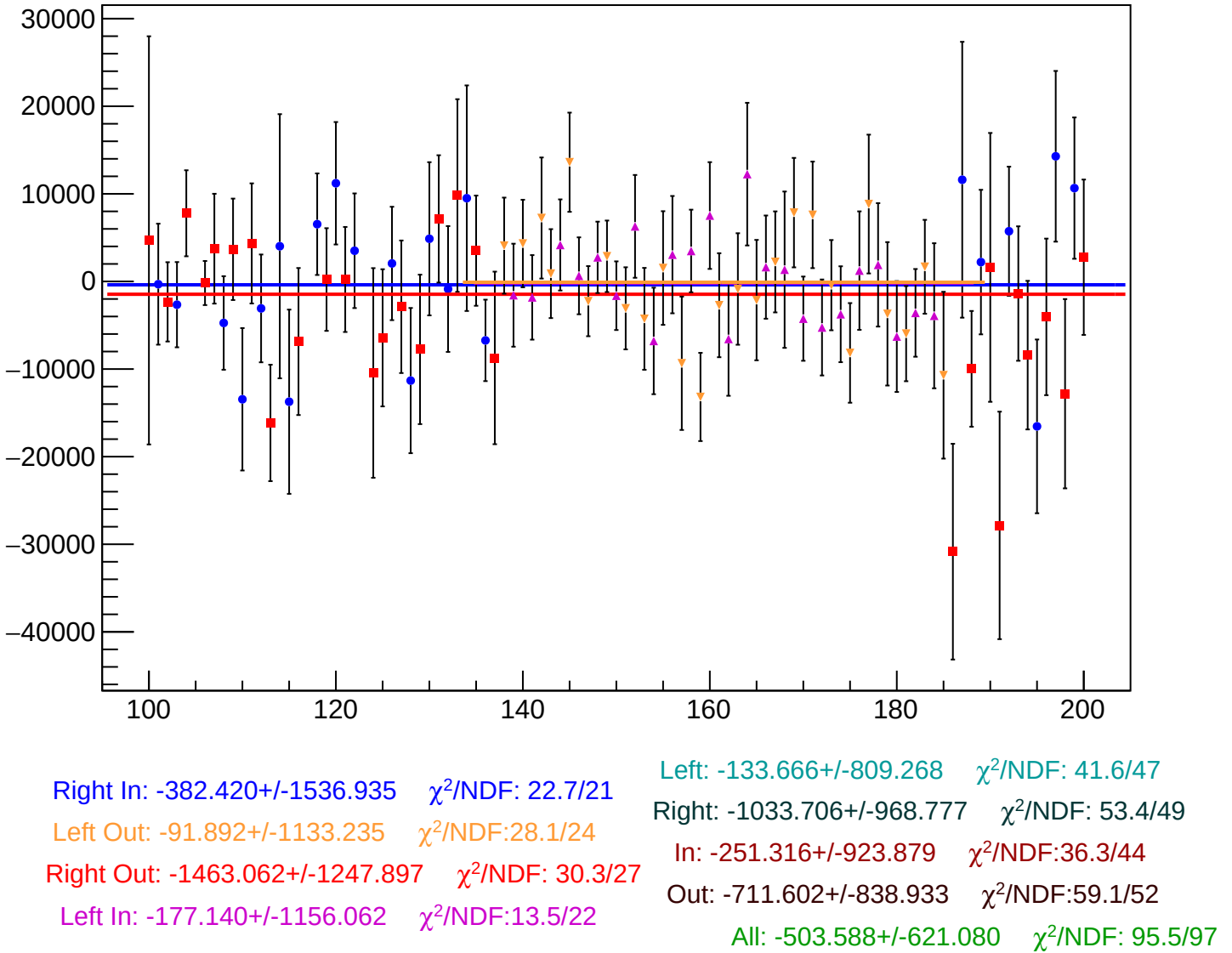
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1990.410+/-0.286 χ^2/NDF: 1090402.4/49

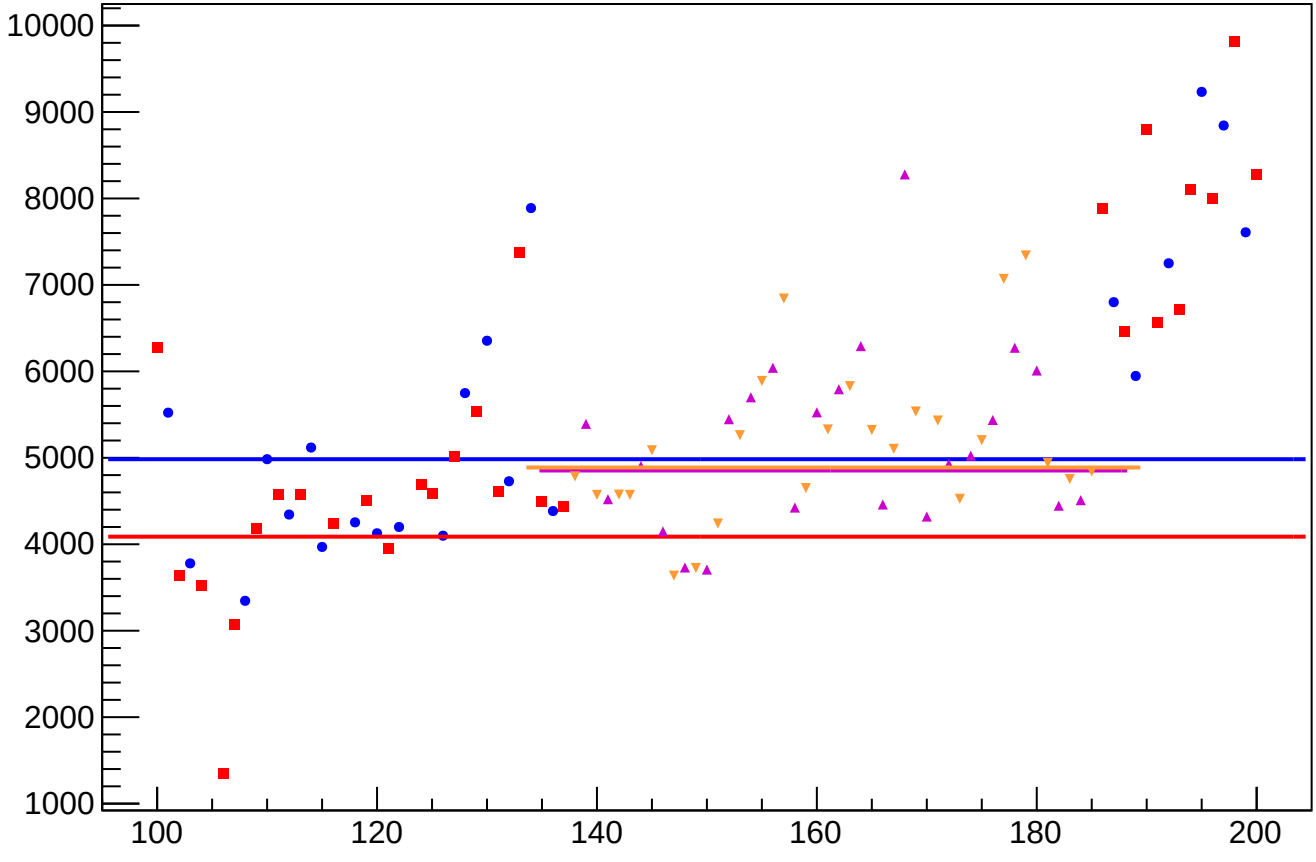
In: 1920.276+/-0.250 χ^2/NDF:738617.0/44

Out: 1925.465+/-0.239 χ^2/NDF:490455.6/52

All: 1922.983+/-0.173 χ^2/NDF: 1229297.4/97


asym_atr_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: -382.420+/-1536.935 χ²/NDF: 22.7/21
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1463.062+/-1247.897 χ²/NDF: 30.3/27
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1033.706+/-968.777 χ²/NDF: 53.4/49
In: -251.316+/-923.879 χ²/NDF:36.3/44
Out: -711.602+/-838.933 χ²/NDF:59.1/52
All: -503.588+/-621.080 χ²/NDF: 95.5/97

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4983.938+/-1.087 χ^2/NDF: 1831028.5/21

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

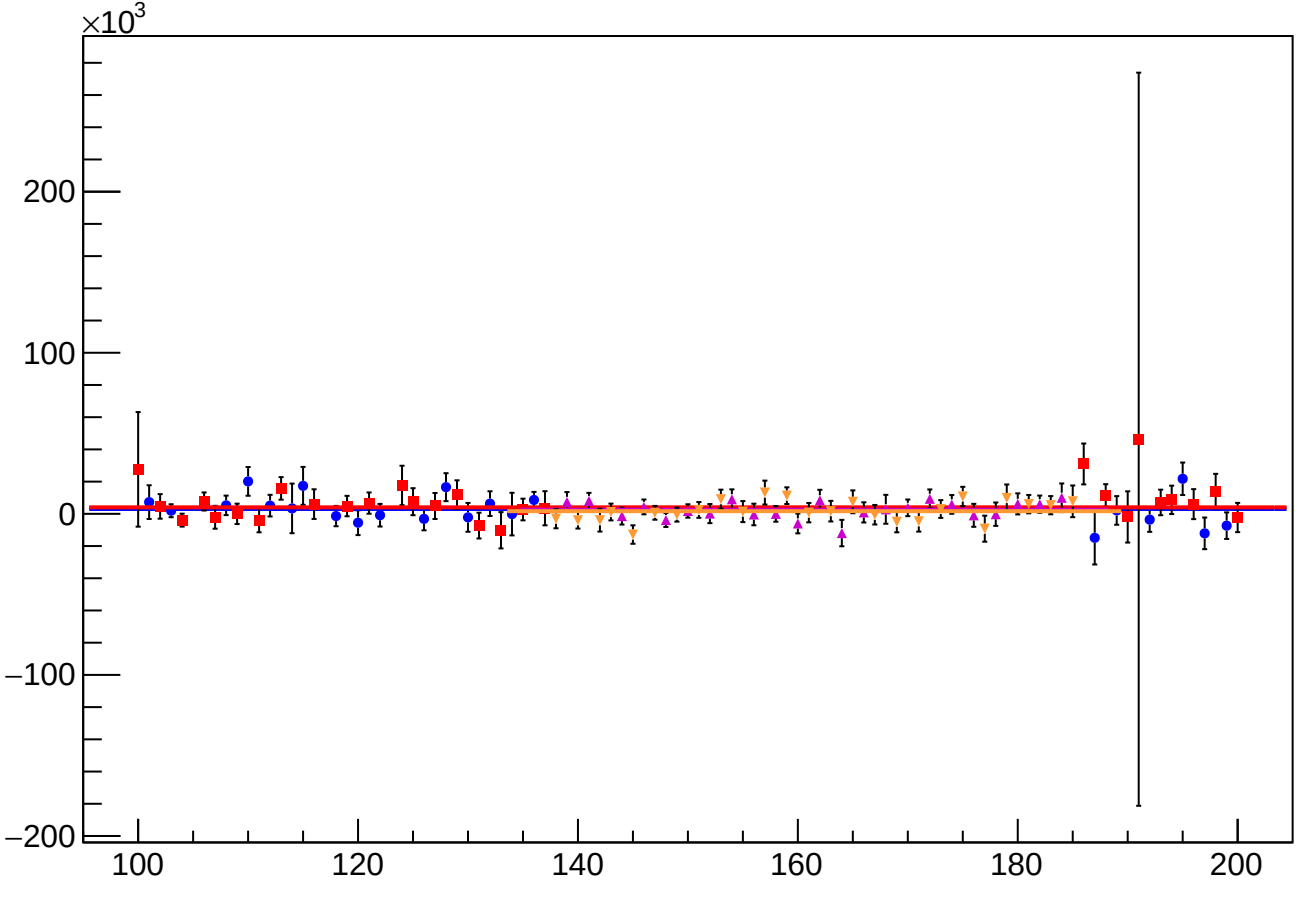
Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

Right: 4443.928+/-0.685 χ^2/NDF: 7852109.0/49

In: 4900.550+/-0.653 χ^2/NDF:3018886.4/44

Out: 4526.310+/-0.593 χ^2/NDF:7125071.3/52

All: 4695.438+/-0.439 χ^2/NDF: 10323820.9/9



Right In: 3023.522+/-1614.523 χ^2/NDF: 22.0/21

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

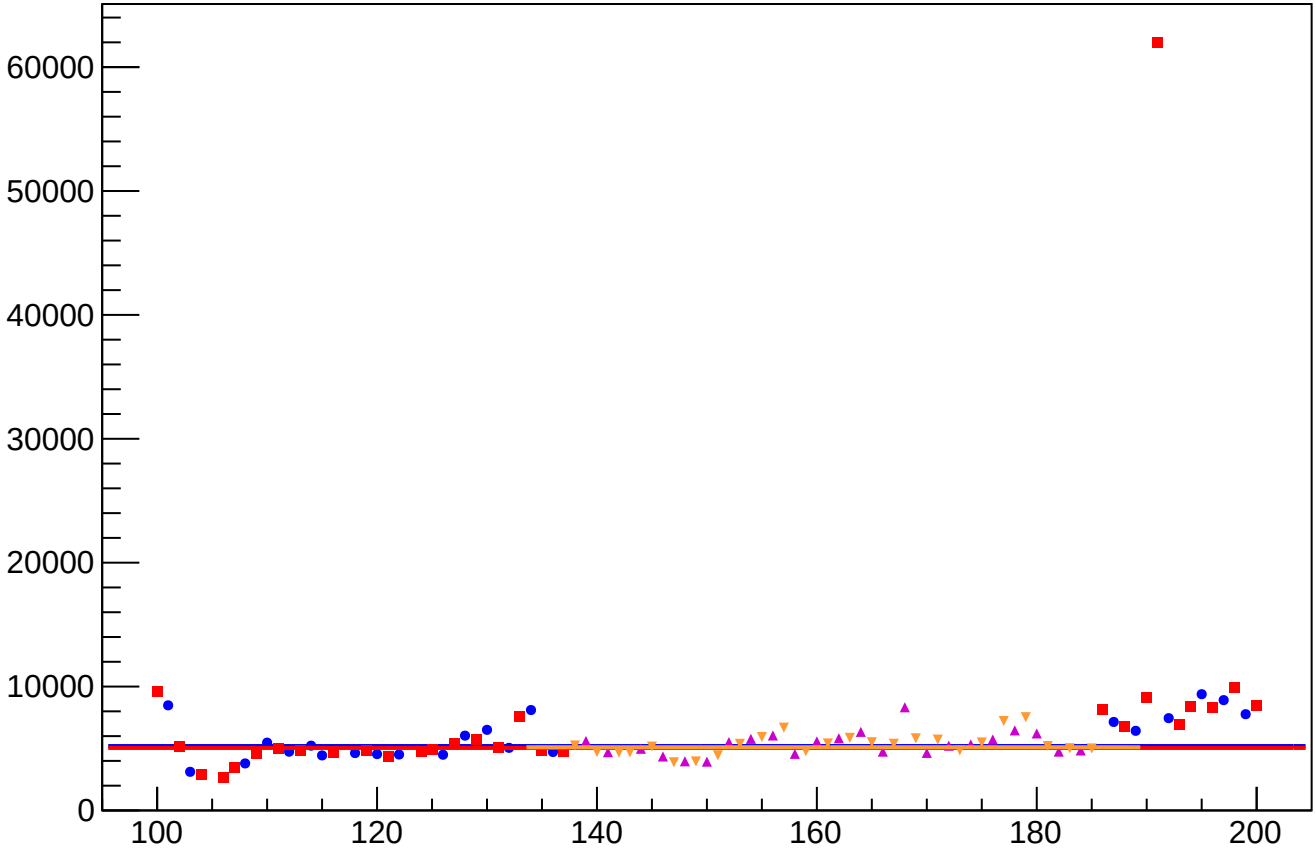
Right: 3565.853+/-1095.387 χ^2/NDF: 45.9/49

In: 2728.045+/-965.406 χ^2/NDF:38.0/44

Out: 2567.489+/-924.650 χ^2/NDF:51.1/52

All: 2644.306+/-667.770 χ^2/NDF: 89.2/97

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5199.809+/-1.142 χ^2/NDF: 2171593.6/21

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

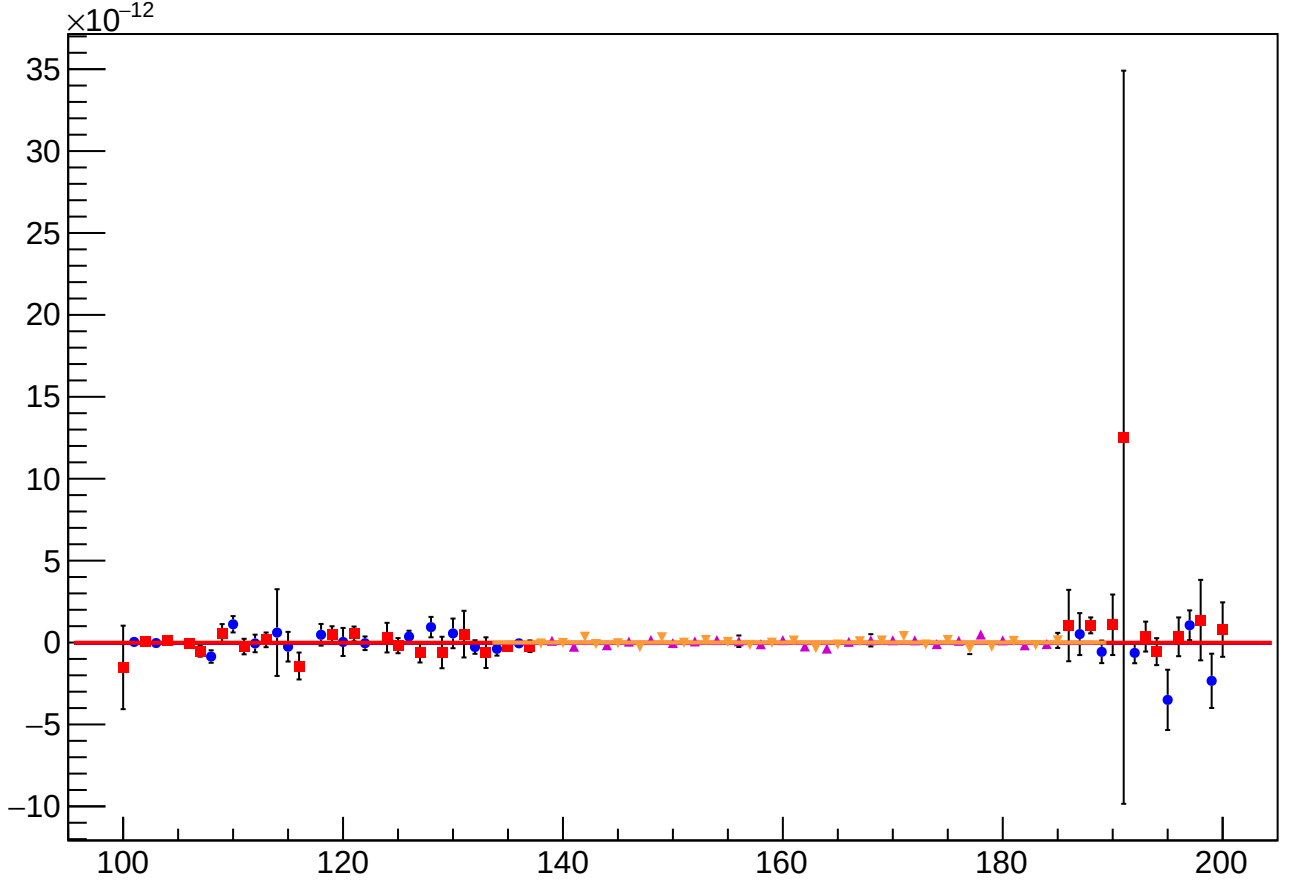
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5115.323+/-0.772 χ^2/NDF: 5337811.2/49

In: 5118.689+/-0.683 χ^2/NDF:3171367.9/44

Out: 5078.772+/-0.652 χ^2/NDF:4067240.0/52

All: 5097.817+/-0.472 χ^2/NDF: 7240395.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/21

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

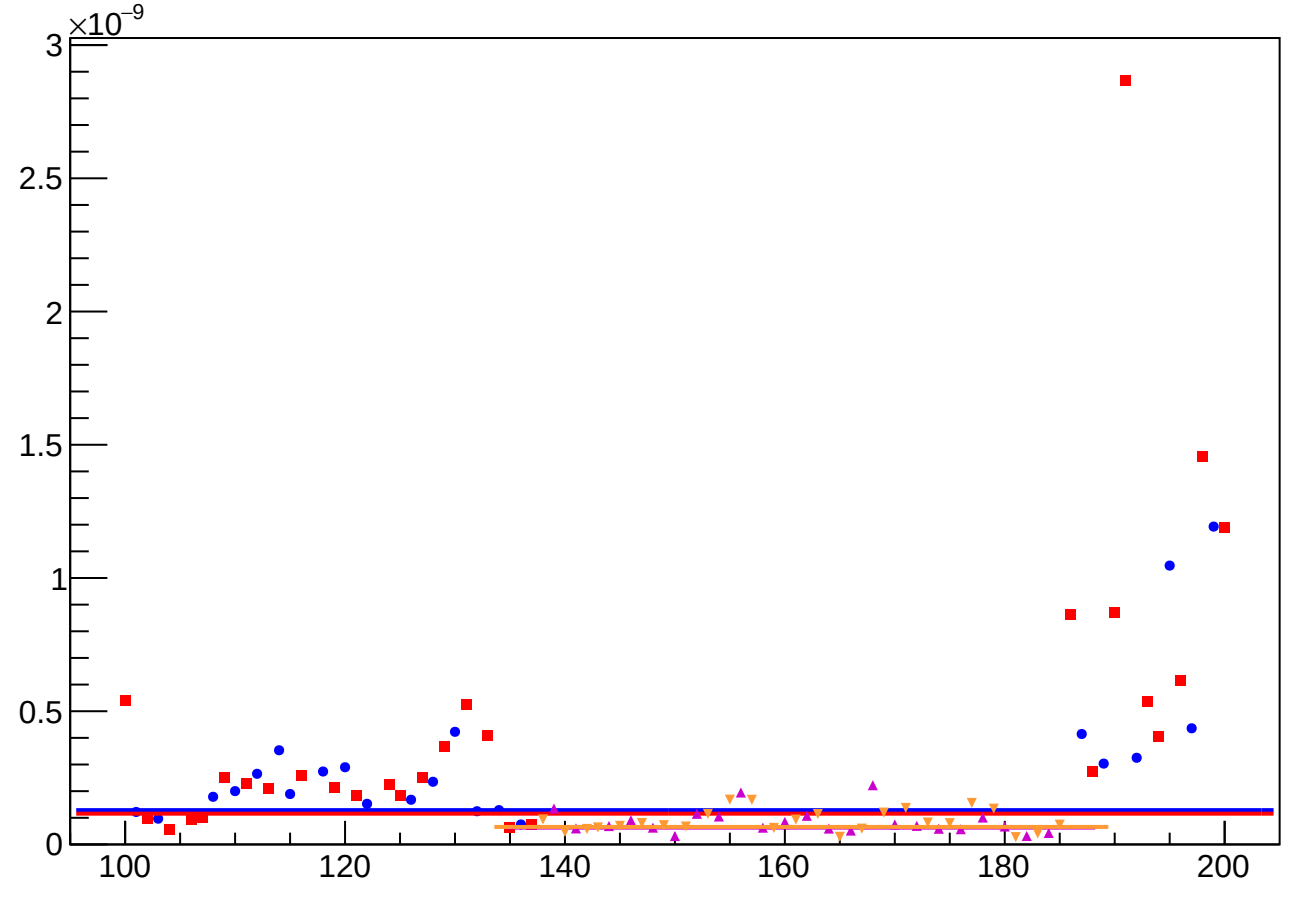
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.6/49

In: -0.000+/-0.000 χ^2/NDF:57.0/44

Out: -0.000+/-0.000 χ^2/NDF:55.3/52

All: -0.000+/-0.000 χ^2/NDF: 112.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 3122472.7/21

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

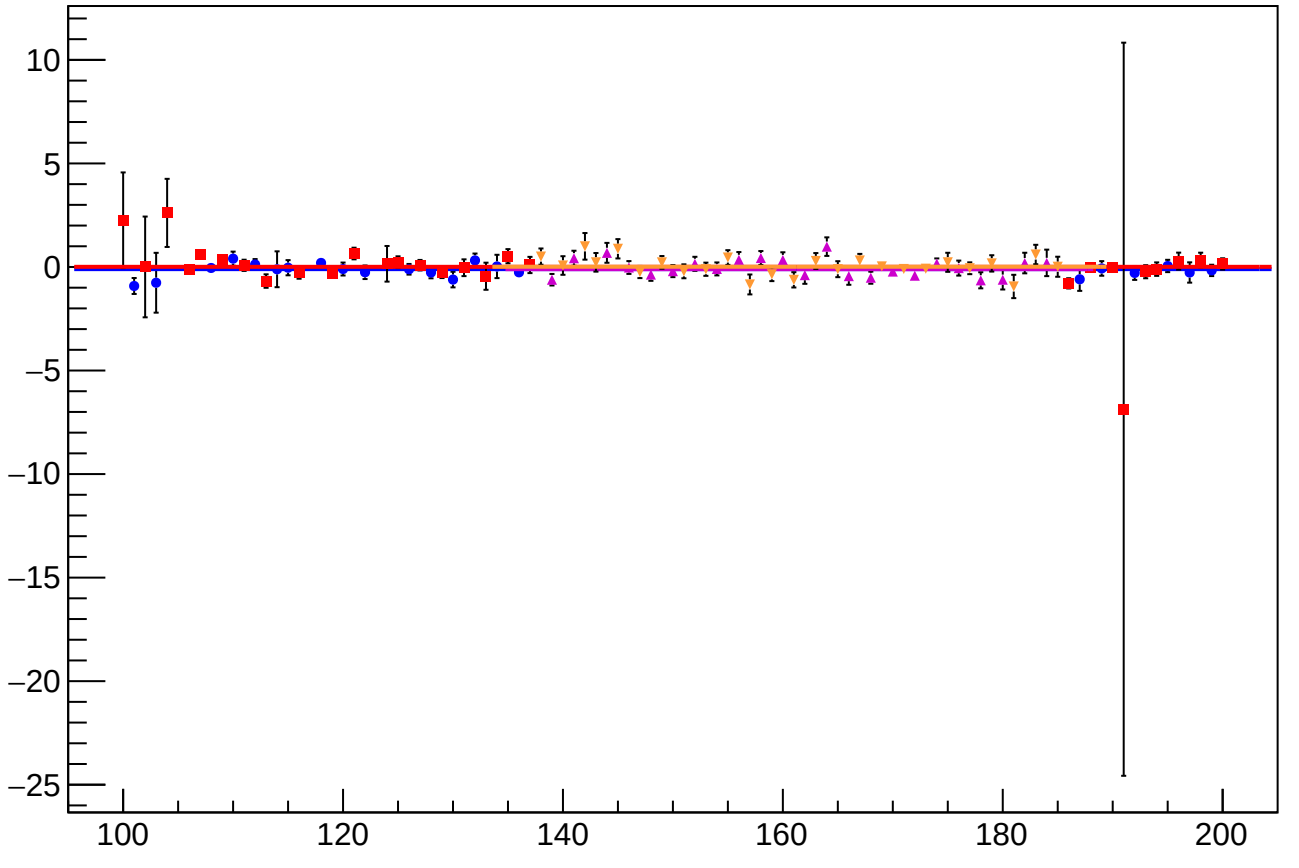
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8360725.0/49

In: 0.000+/-0.000 χ^2/NDF:6703057.7/44

Out: 0.000+/-0.000 χ^2/NDF:8530691.4/52

All: 0.000+/-0.000 χ^2/NDF: 15235512.4/97



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

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

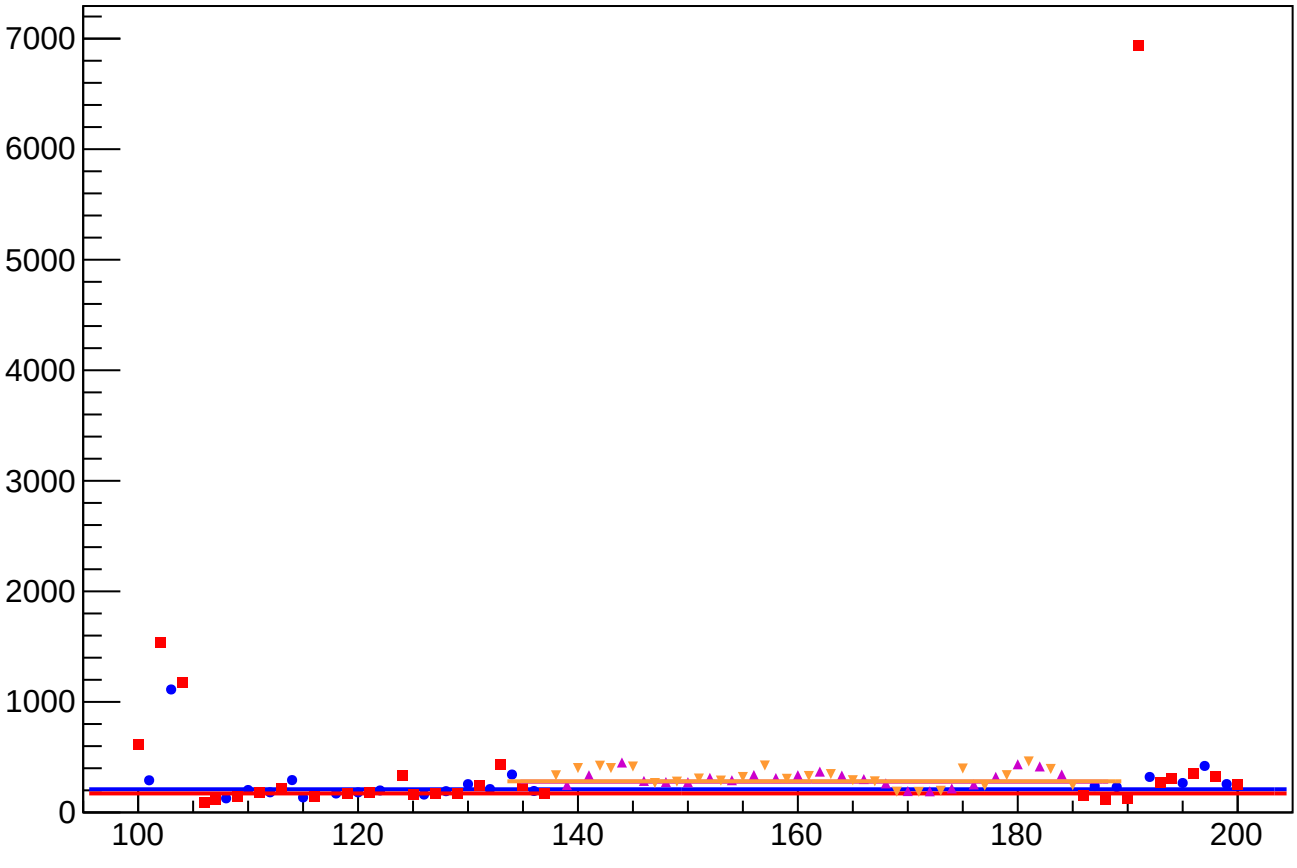
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.036+/-0.042 χ^2/NDF: 59.4/49

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.040+/-0.032 χ^2/NDF: 117.5/97



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

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

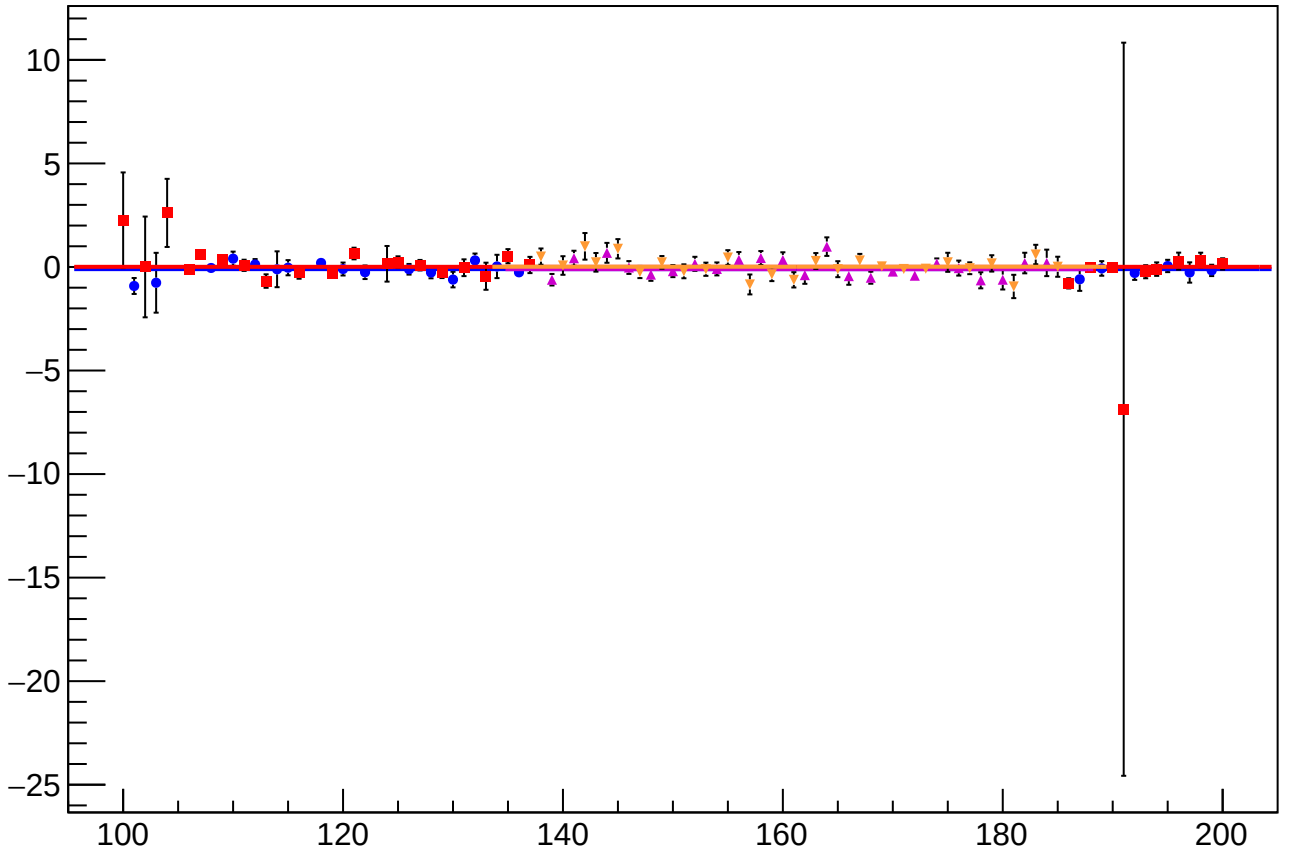
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 186.769+/-0.030 χ^2/NDF: 7540811.1/49

In: 243.527+/-0.034 χ^2/NDF:5156515.3/44

Out: 214.665+/-0.030 χ^2/NDF:10532126.3/52

All: 227.259+/-0.022 χ^2/NDF: 16093474.6/97



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

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

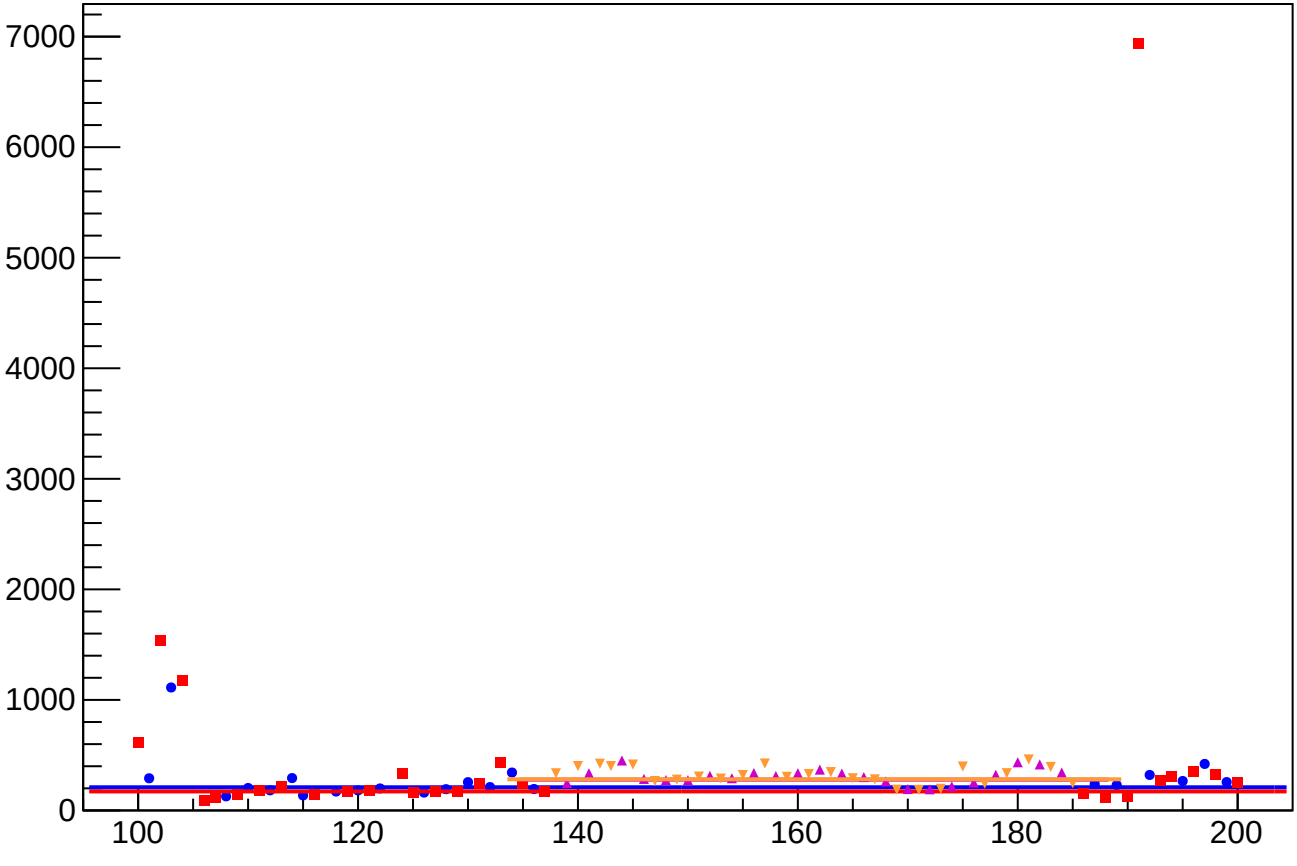
Right: -0.036+/-0.042 χ^2/NDF: 59.4/49

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.040+/-0.032 χ^2/NDF: 117.5/97

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

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

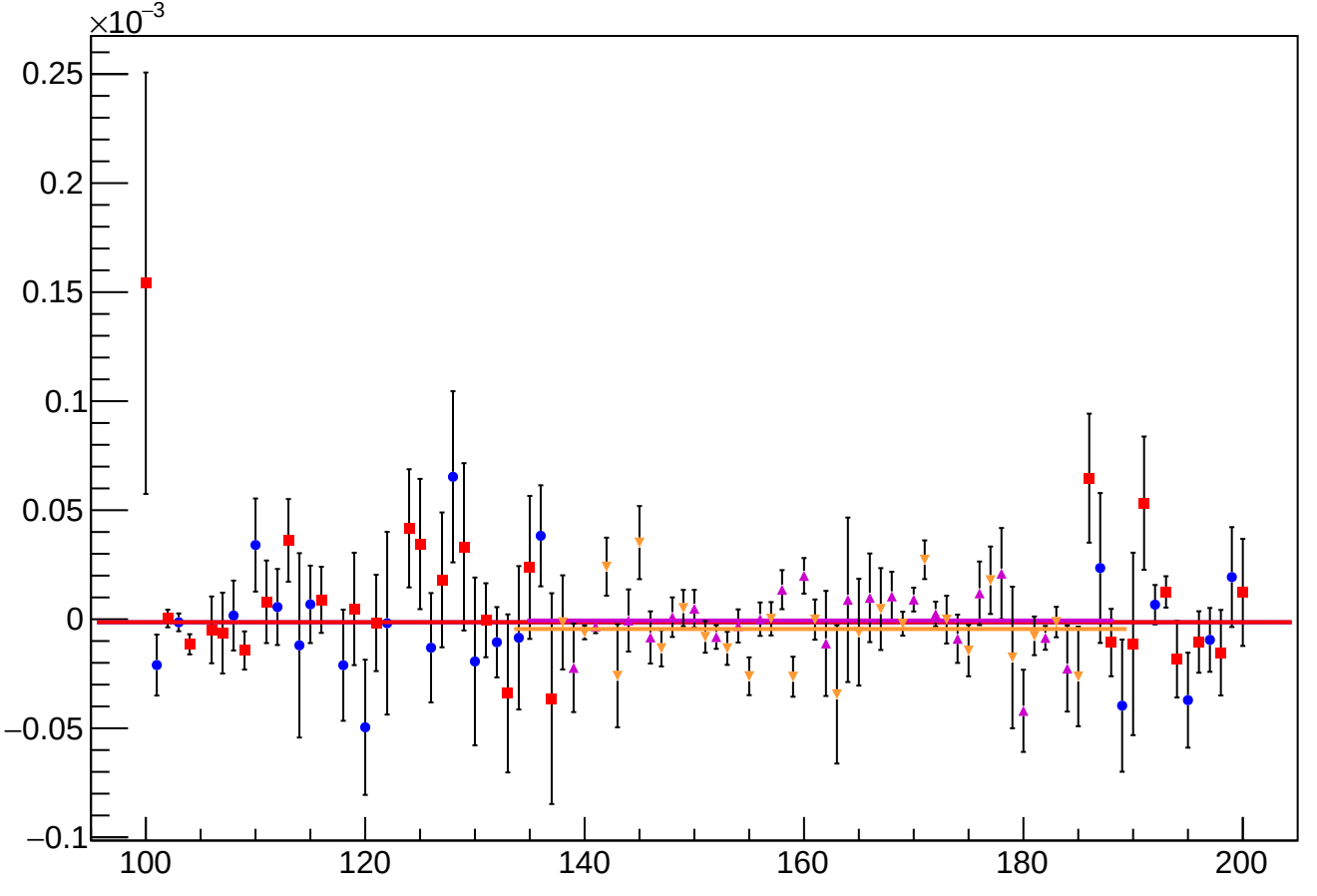
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 186.769+/-0.030 χ^2/NDF: 7540811.1/49

In: 243.527+/-0.034 χ^2/NDF:5156515.3/44

Out: 214.665+/-0.030 χ^2/NDF:10532126.3/52

All: 227.259+/-0.022 χ^2/NDF: 16093474.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

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

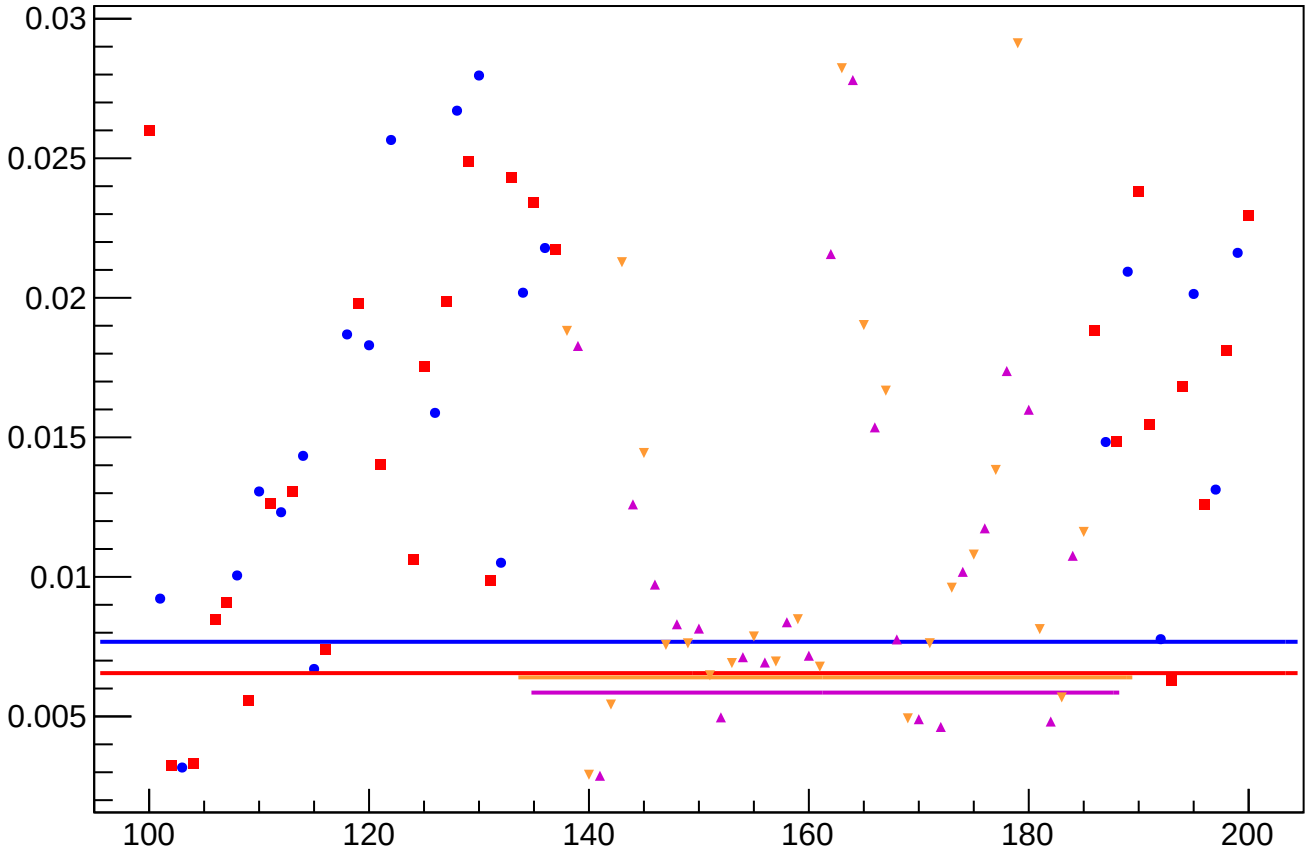
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 57.7/49

In: -0.000+/-0.000 χ^2/NDF:50.7/44

Out: -0.000+/-0.000 χ^2/NDF:83.8/52

All: -0.000+/-0.000 χ^2/NDF: 136.2/97



Right In: 0.008+/-0.000 χ^2/NDF: 8291005.0/21

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

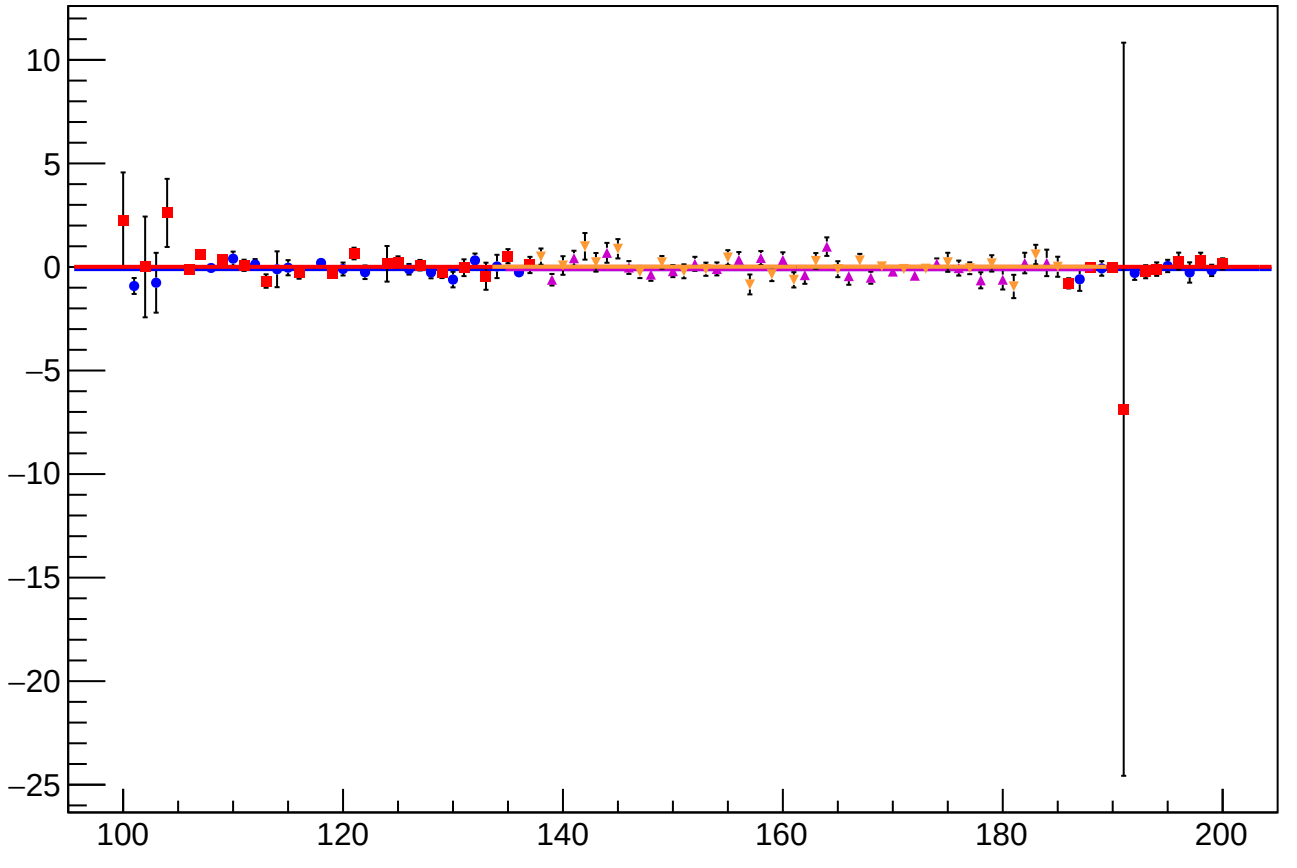
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 18680551.6/49

In: 0.006+/-0.000 χ^2/NDF:17014400.0/44

Out: 0.006+/-0.000 χ^2/NDF:19179669.4/52

All: 0.006+/-0.000 χ^2/NDF: 36209783.7/97



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

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

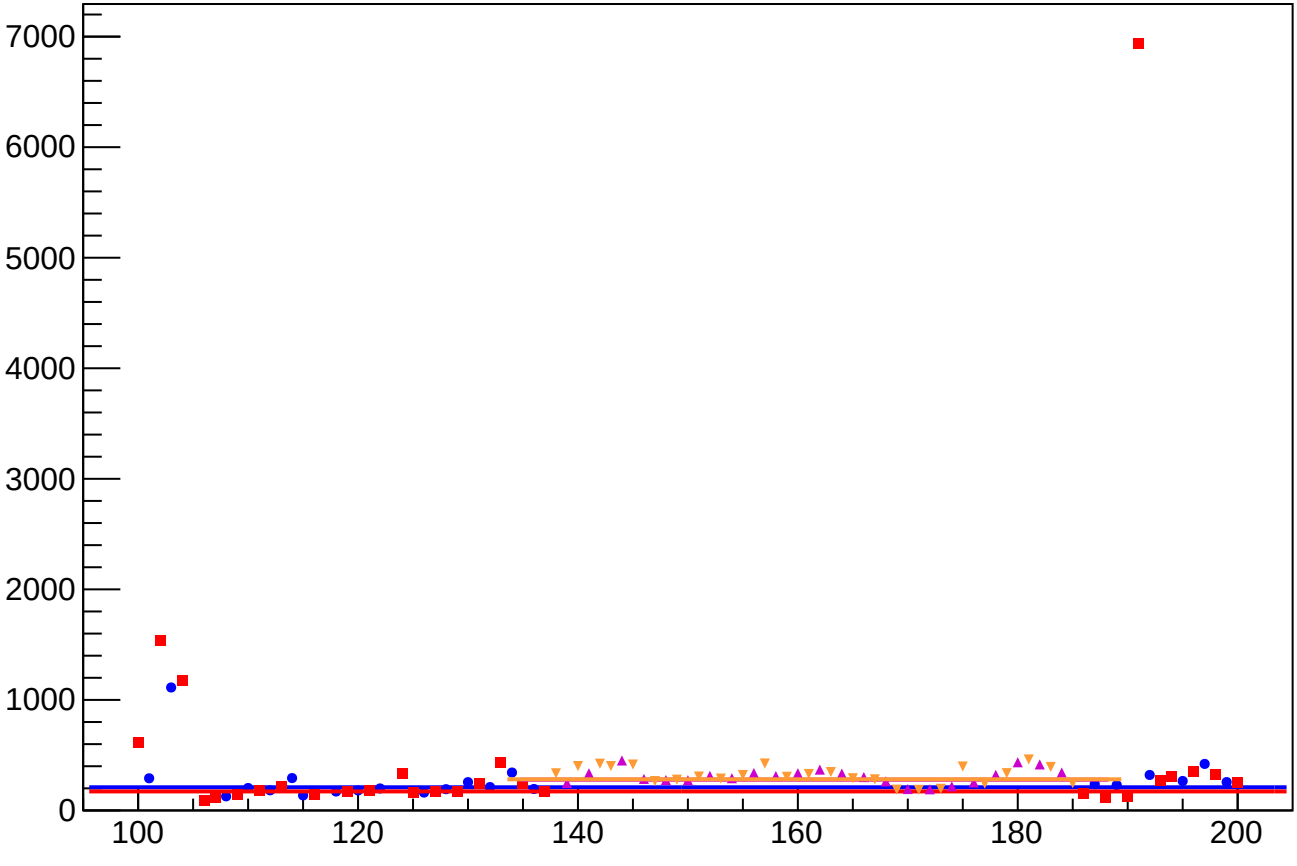
Right: -0.036+/-0.042 χ^2/NDF: 59.4/49

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.040+/-0.032 χ^2/NDF: 117.5/97

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

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

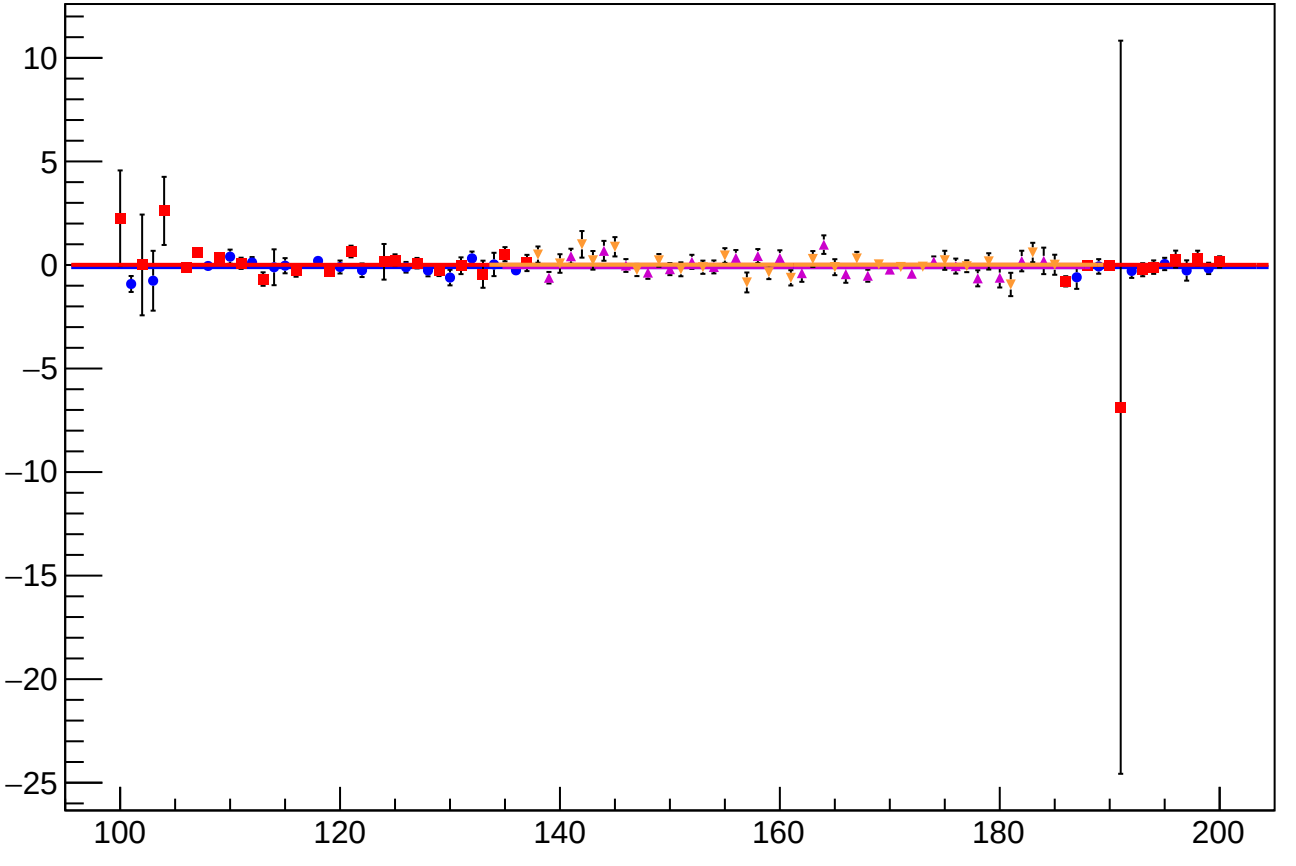
Right: 186.767+/-0.030 χ^2/NDF: 7541002.7/49

In: 243.528+/-0.034 χ^2/NDF:5156629.5/44

Out: 214.662+/-0.030 χ^2/NDF:10532651.3/52

All: 227.258+/-0.022 χ^2/NDF: 16094195.4/97

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

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

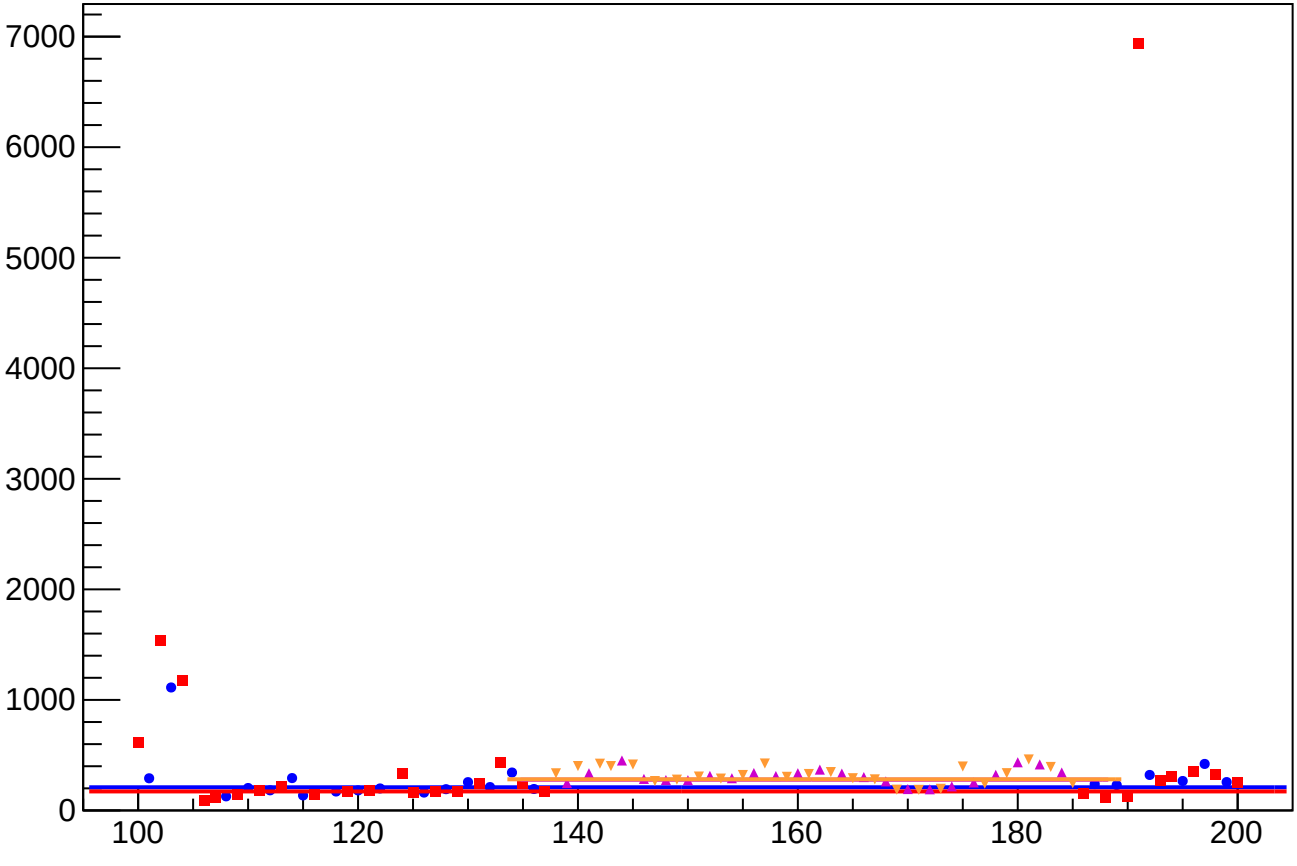
Right: -0.036+/-0.042 χ^2/NDF: 59.4/49

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.009+/-0.042 χ^2/NDF:67.5/52

All: -0.040+/-0.032 χ^2/NDF: 117.5/97

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

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

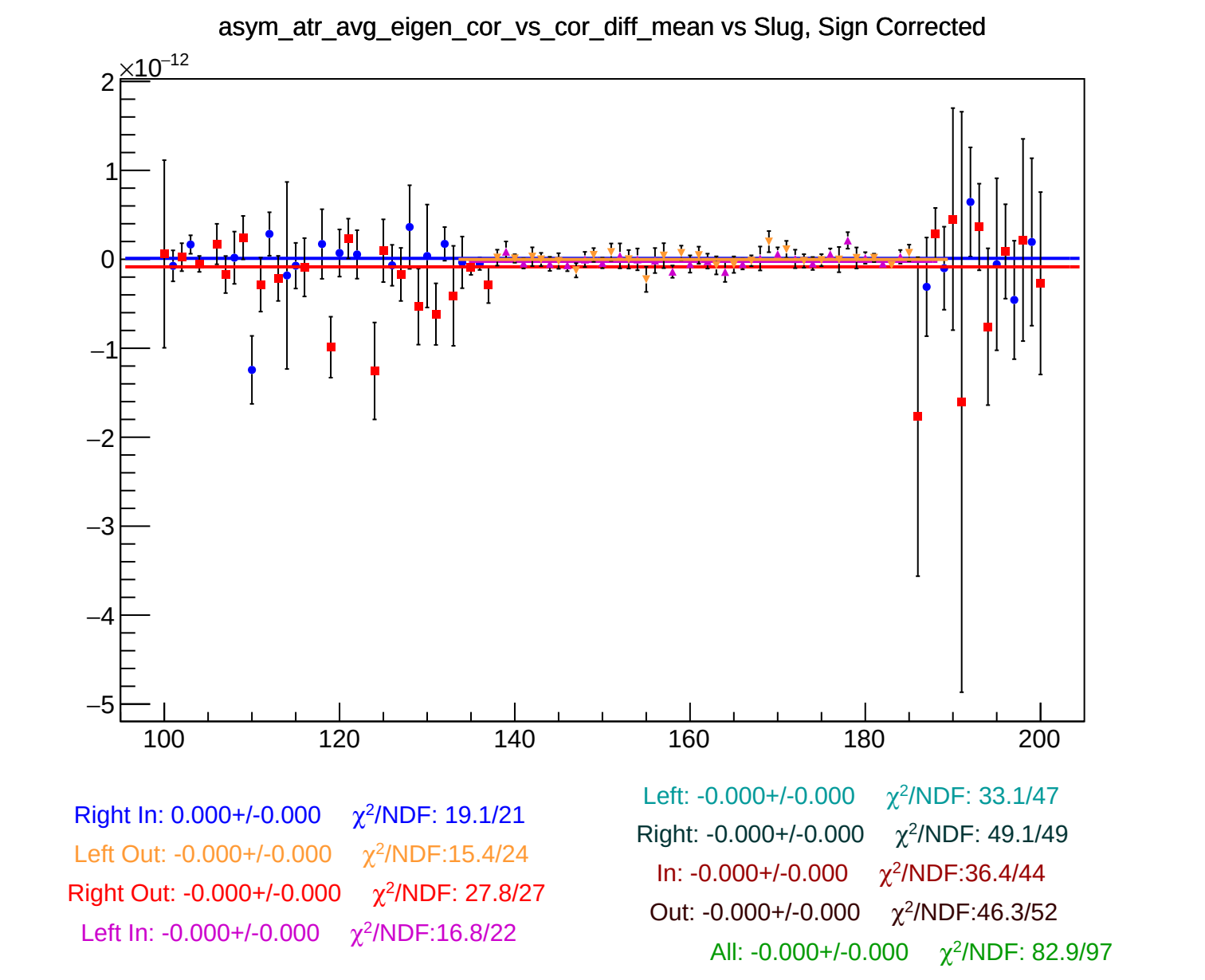
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

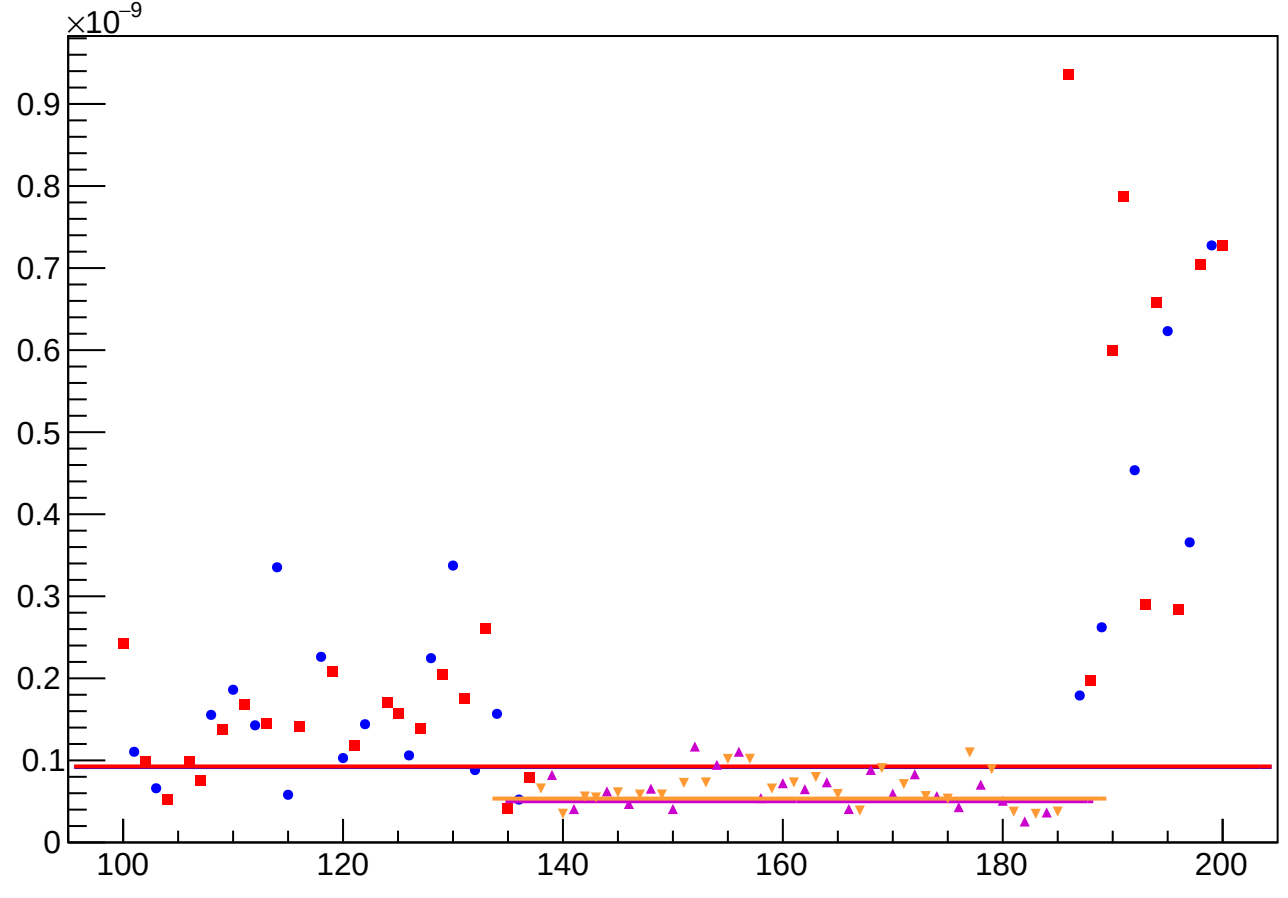
Right: 186.767+/-0.030 χ^2/NDF: 7541002.7/49

In: 243.528+/-0.034 χ^2/NDF:5156629.5/44

Out: 214.662+/-0.030 χ^2/NDF:10532651.3/52

All: 227.258+/-0.022 χ^2/NDF: 16094195.4/97


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: 19.1/21
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: 49.1/49
In: -0.000+/-0.000 χ²/NDF:36.4/44
Out: -0.000+/-0.000 χ²/NDF:46.3/52
All: -0.000+/-0.000 χ²/NDF: 82.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5037522.1/21

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

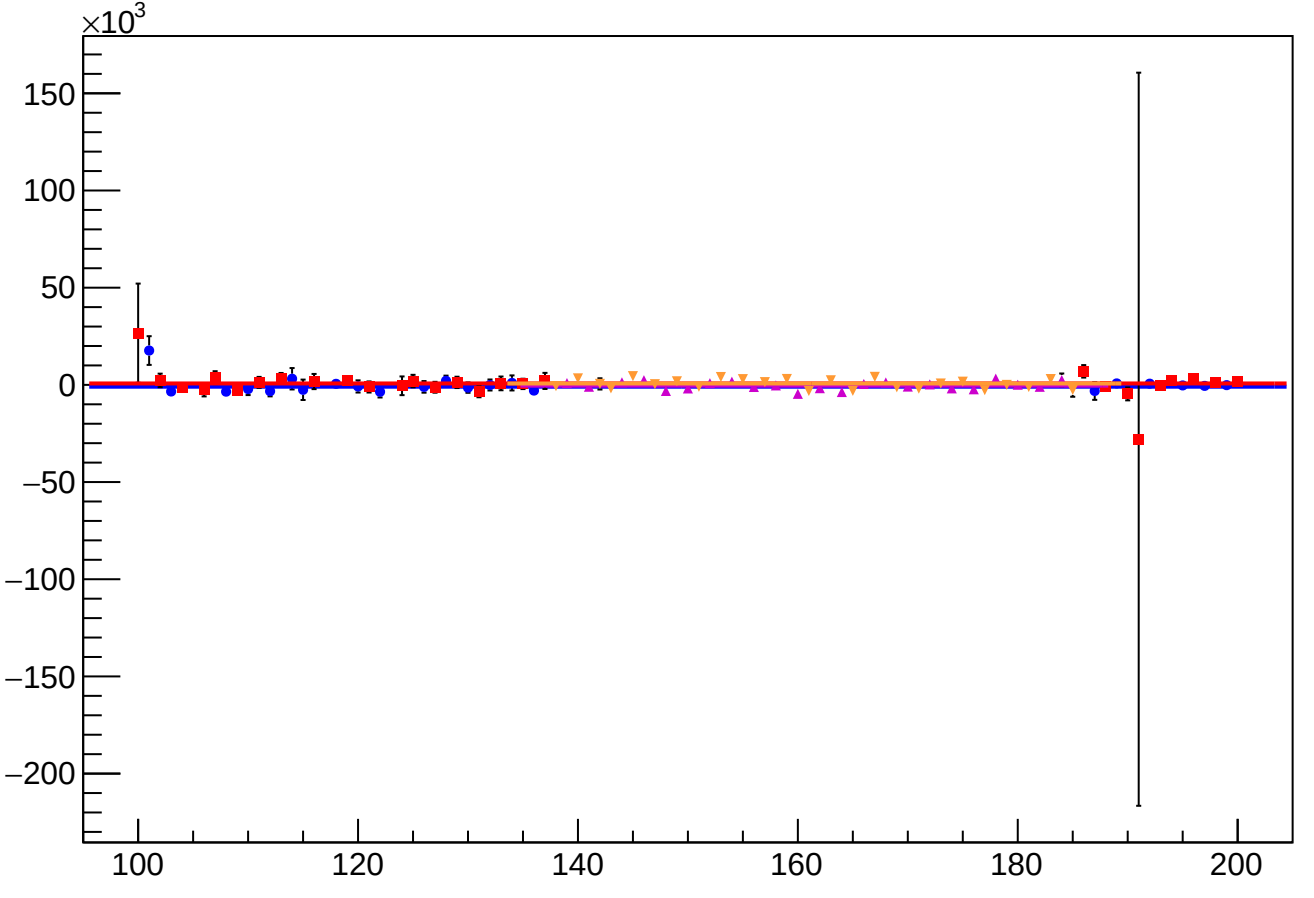
Right: 0.000+/-0.000 χ^2/NDF: 11296204.7/49

In: 0.000+/-0.000 χ^2/NDF:9950768.4/44

Out: 0.000+/-0.000 χ^2/NDF:10461666.6/52

All: 0.000+/-0.000 χ^2/NDF: 20463679.9/97

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -944.320+/-574.536 χ^2/NDF: 15.5/21

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

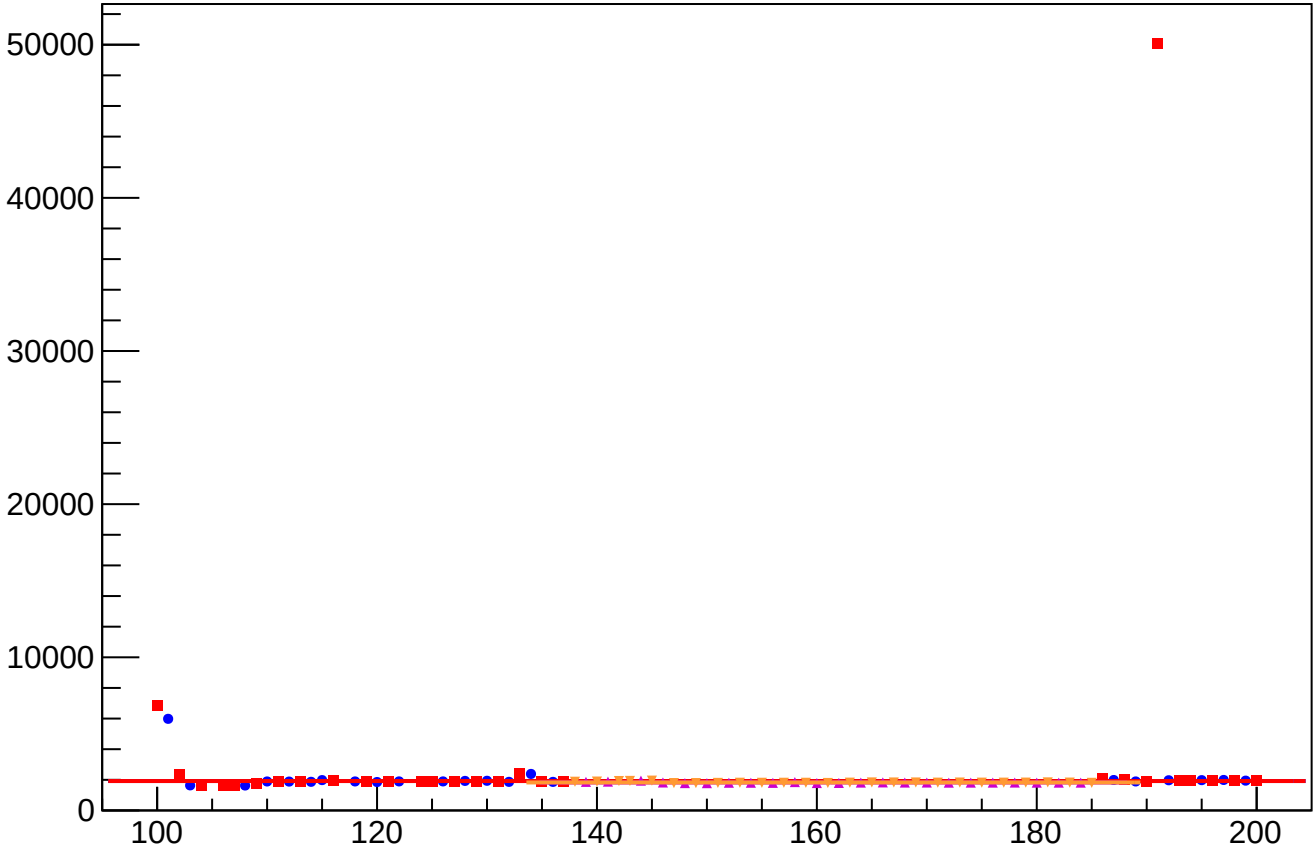
Right: -44.856+/-390.226 χ^2/NDF: 40.0/49

In: -595.248+/-342.308 χ^2/NDF:36.9/44

Out: 713.202+/-327.329 χ^2/NDF:51.8/52

All: 88.229+/-236.575 χ^2/NDF: 96.3/97

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.0/21

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

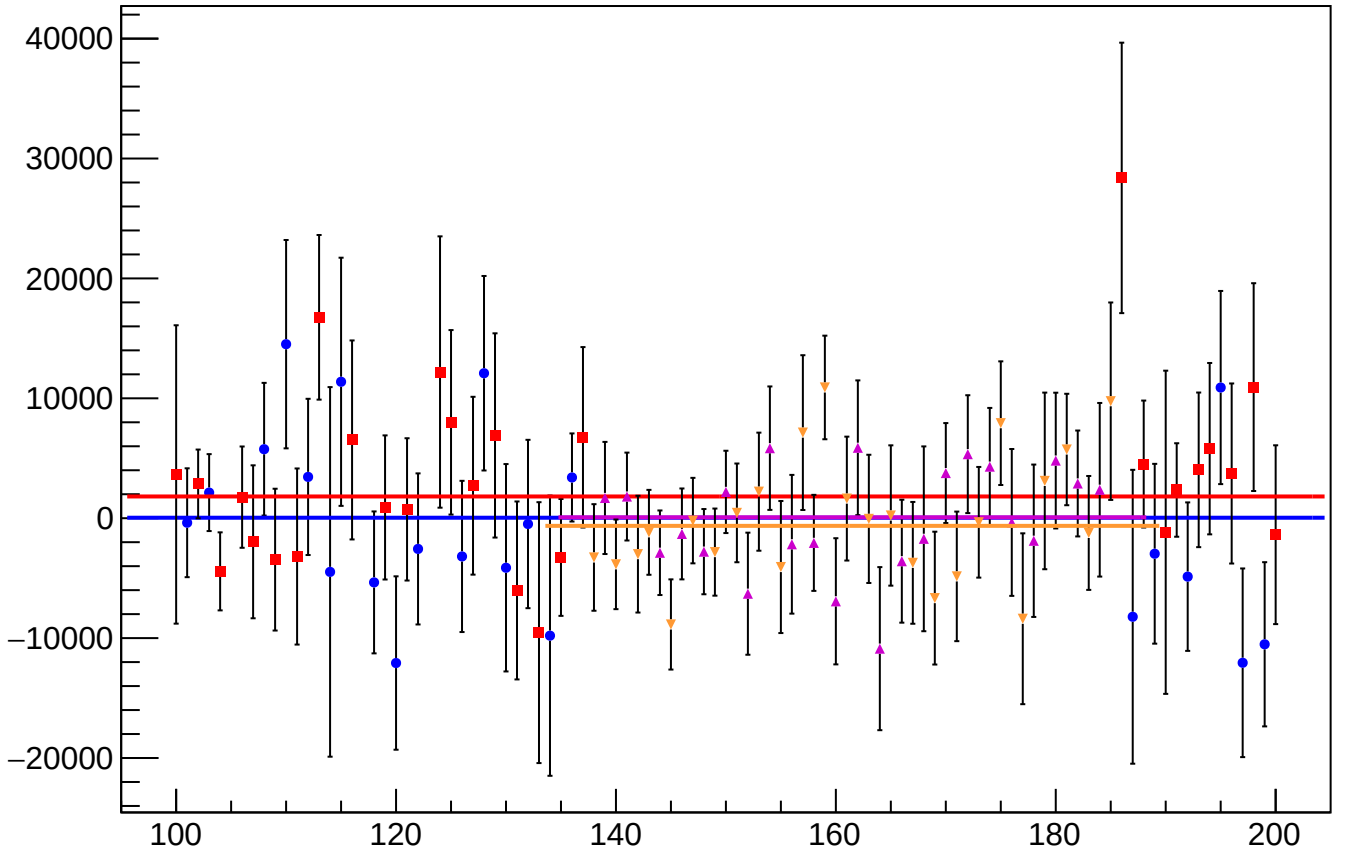
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1921.328+/-0.276 χ^2/NDF: 1079377.6/49

In: 1859.622+/-0.242 χ^2/NDF:755489.8/44

Out: 1863.316+/-0.231 χ^2/NDF:430921.7/52

All: 1861.553+/-0.167 χ^2/NDF: 1186533.2/97



Right In: 40.762+/-1335.814 χ^2/NDF: 21.7/21

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

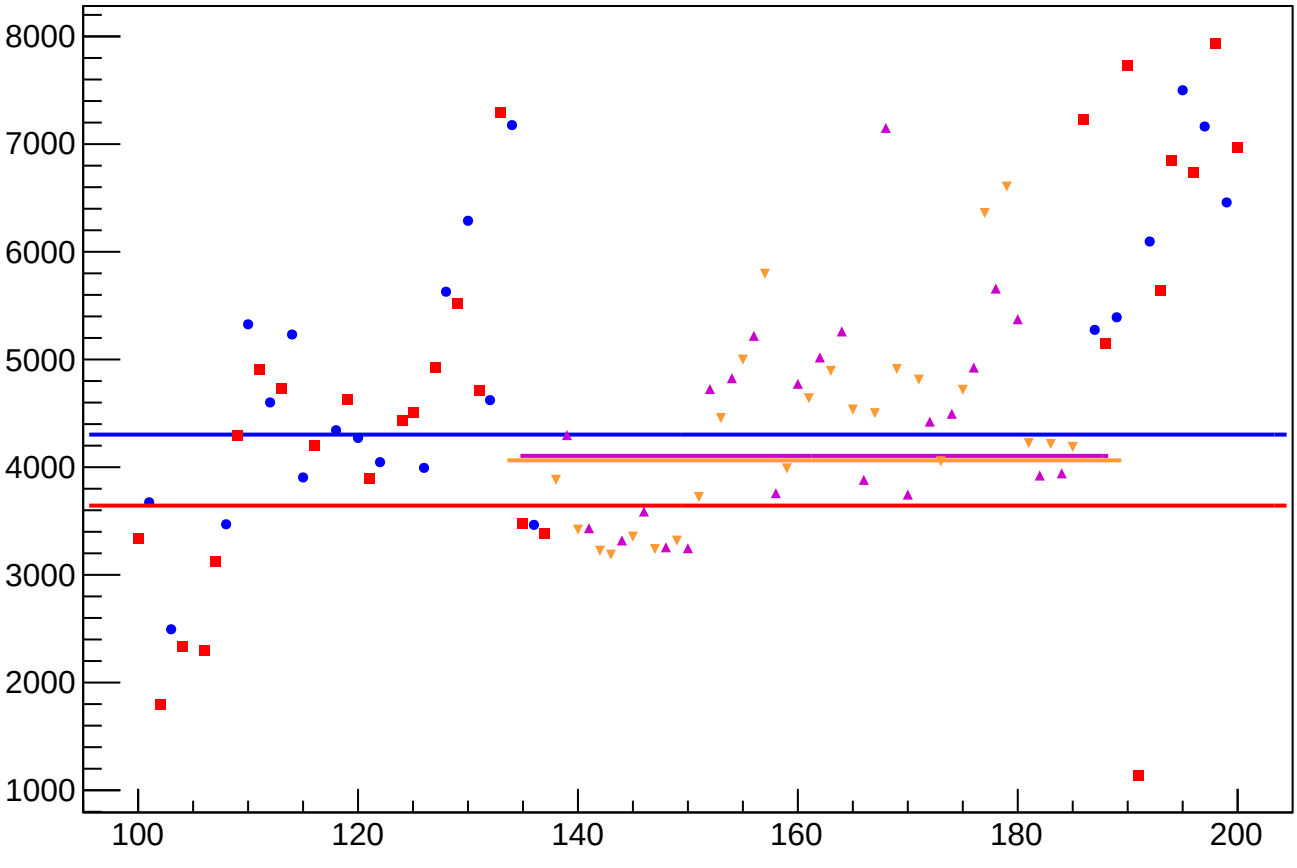
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1079.372+/-859.675 χ^2/NDF: 46.5/49

In: 63.513+/-790.291 χ^2/NDF:37.1/44

Out: 380.687+/-723.940 χ^2/NDF:52.6/52

All: 235.971+/-533.821 χ^2/NDF: 89.8/97



Right In: 4302.653+/-0.945 χ^2/NDF: 2157762.3/21

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

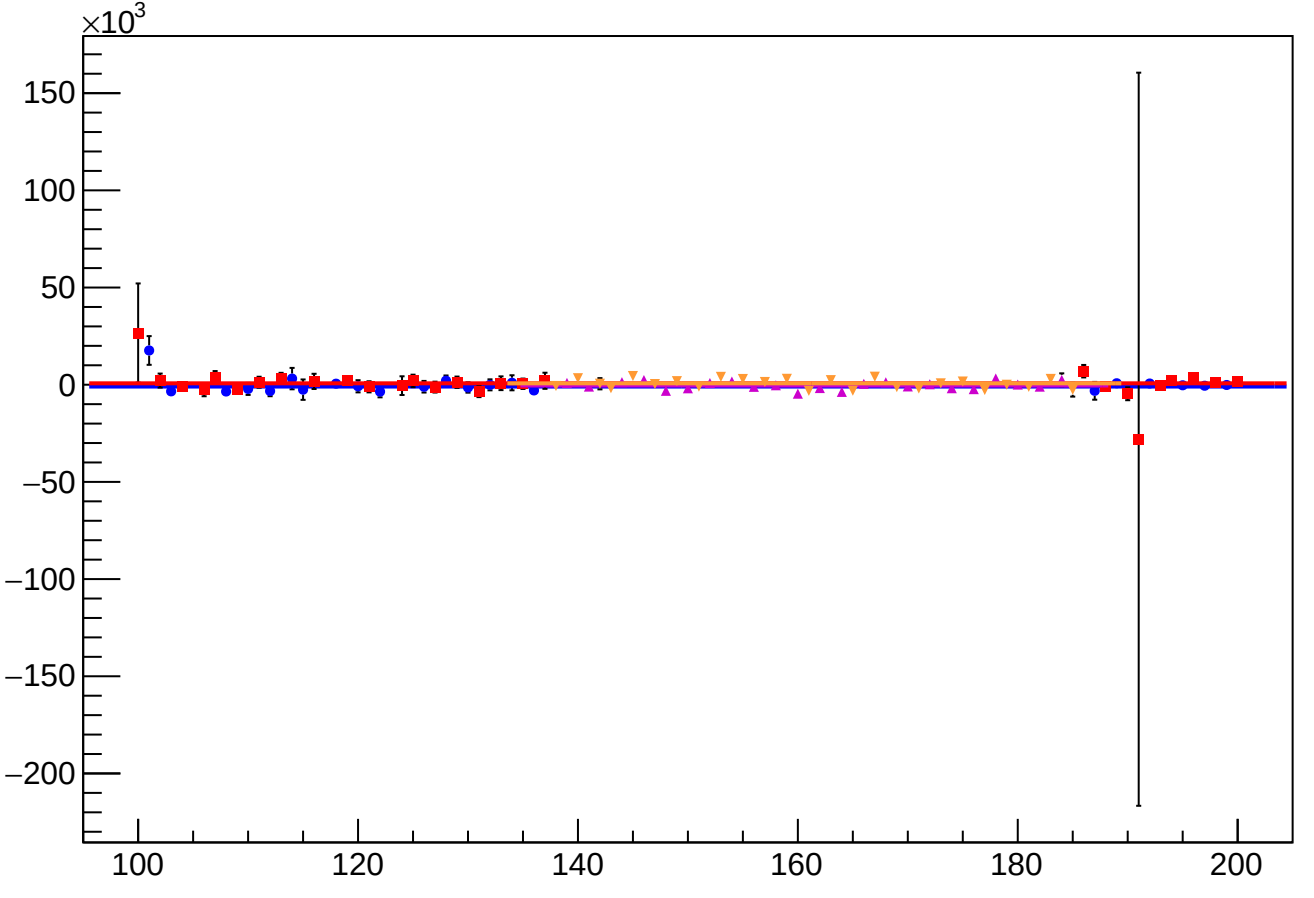
Right: 3916.424+/-0.608 χ^2/NDF: 7670060.7/49

In: 4174.218+/-0.559 χ^2/NDF:3545699.9/44

Out: 3888.732+/-0.512 χ^2/NDF:6795209.3/52

All: 4018.990+/-0.377 χ^2/NDF: 10482819.0/9

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

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

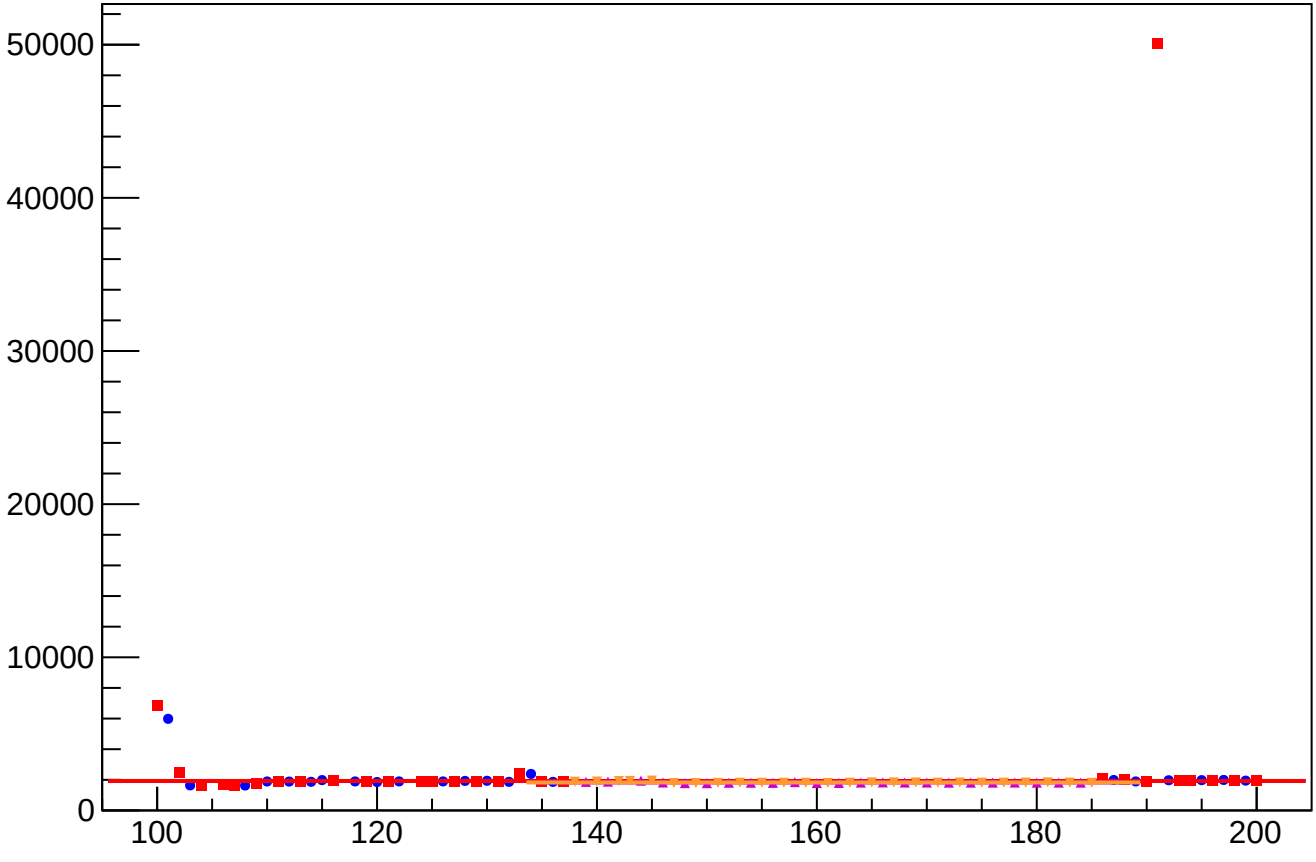
Right: -48.518+/-390.388 χ^2/NDF: 39.9/49

In: -595.228+/-342.308 χ^2/NDF:36.8/44

Out: 711.184+/-327.425 χ^2/NDF:51.8/52

All: 86.994+/-236.611 χ^2/NDF: 96.2/97

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

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

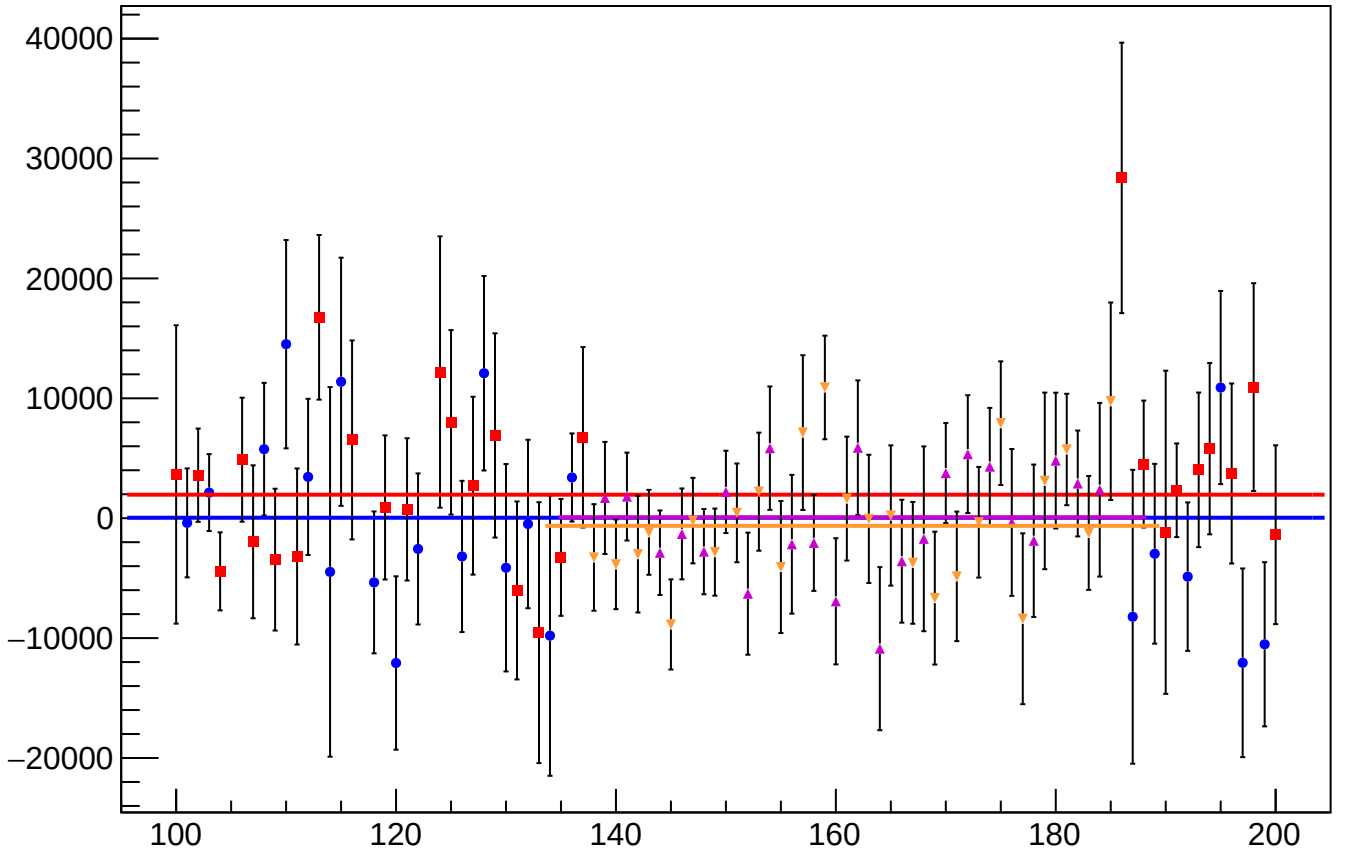
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1923.505+/-0.276 χ^2/NDF: 1085772.0/49

In: 1859.622+/-0.242 χ^2/NDF:755489.9/44

Out: 1864.768+/-0.231 χ^2/NDF:440569.6/52

All: 1862.310+/-0.167 χ^2/NDF: 1196295.5/97



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

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

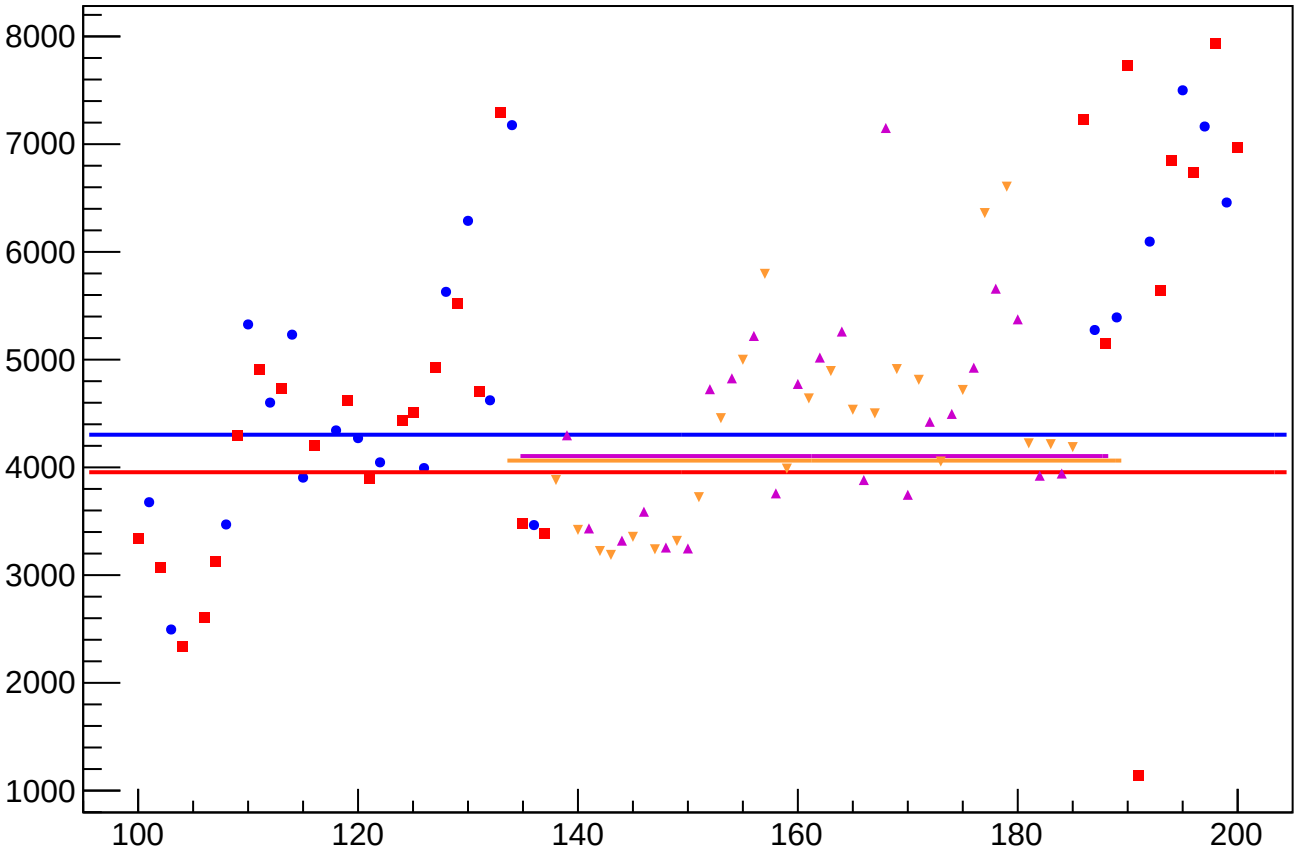
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1119.293+/-884.391 χ^2/NDF: 47.1/49

In: 63.119+/-790.316 χ^2/NDF:37.1/44

Out: 380.437+/-738.494 χ^2/NDF:53.1/52

All: 232.522+/-539.585 χ^2/NDF: 90.4/97



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

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

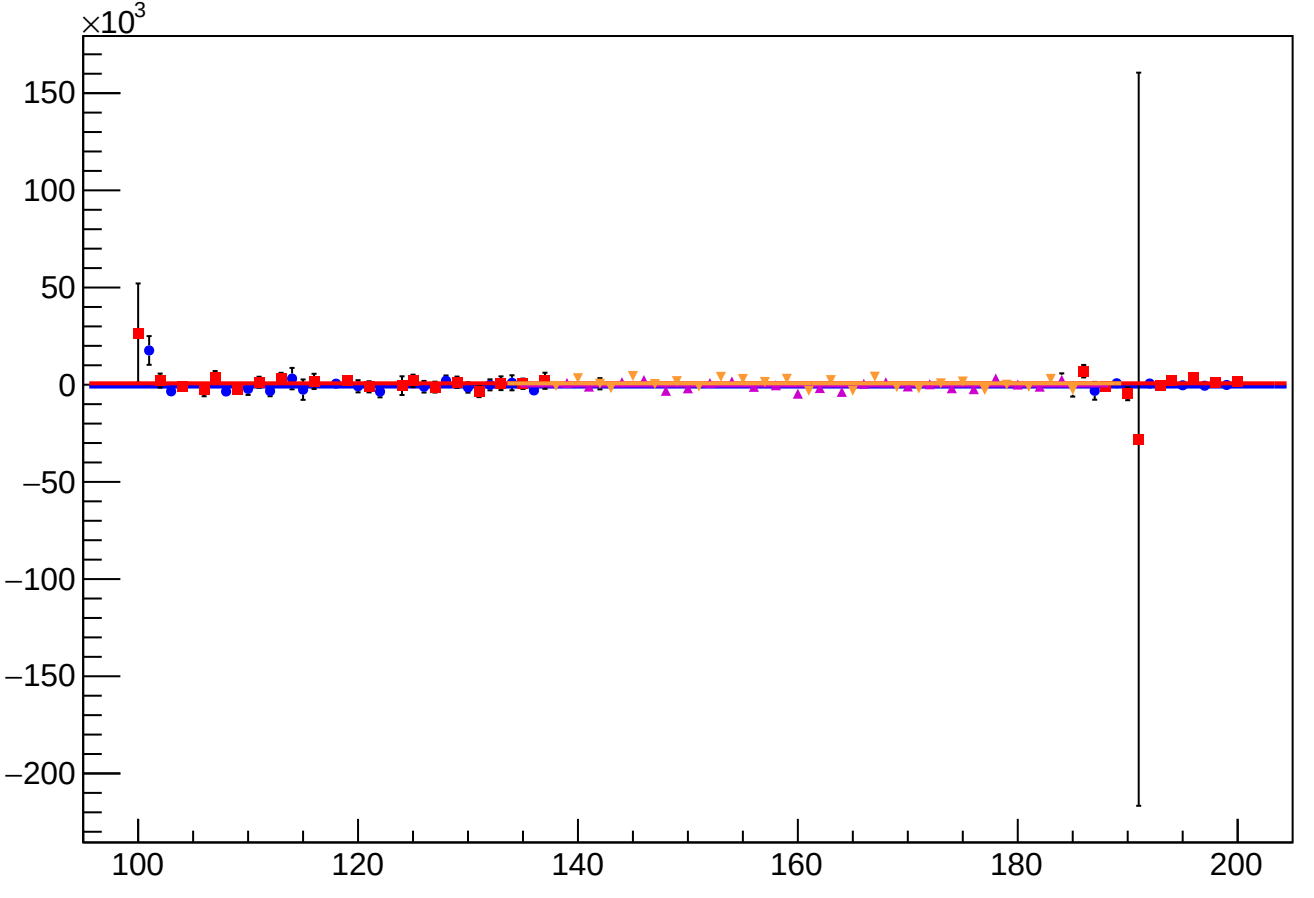
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4107.610+/-0.625 χ^2/NDF: 6408178.0/49

In: 4174.386+/-0.559 χ^2/NDF:3544895.7/44

Out: 4020.779+/-0.522 χ^2/NDF:5590319.5/52

All: 4092.382+/-0.382 χ^2/NDF: 9175549.4/97



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

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

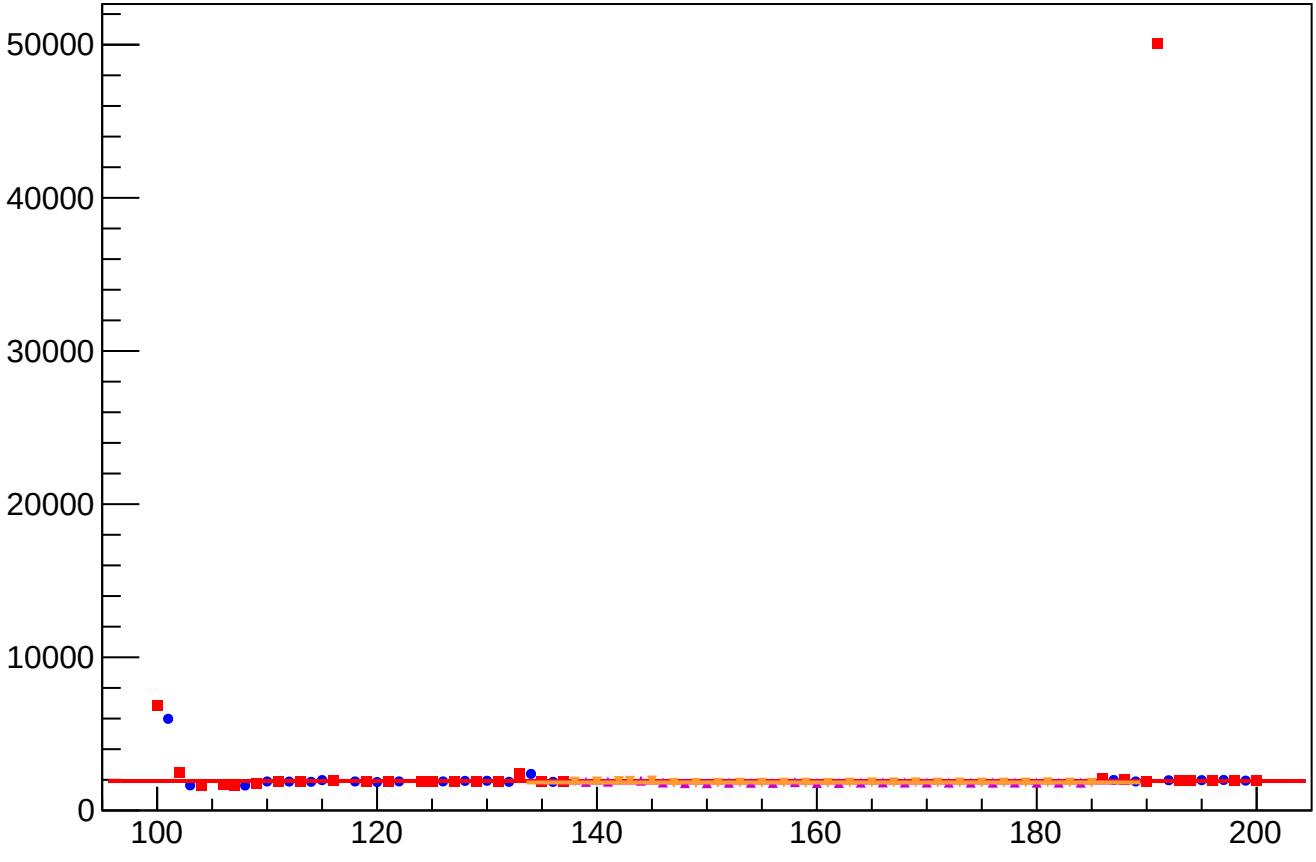
Right: -48.518+/-390.388 χ^2/NDF: 39.9/49

In: -595.228+/-342.308 χ^2/NDF:36.8/44

Out: 711.184+/-327.425 χ^2/NDF:51.8/52

All: 86.994+/-236.611 χ^2/NDF: 96.2/97

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

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

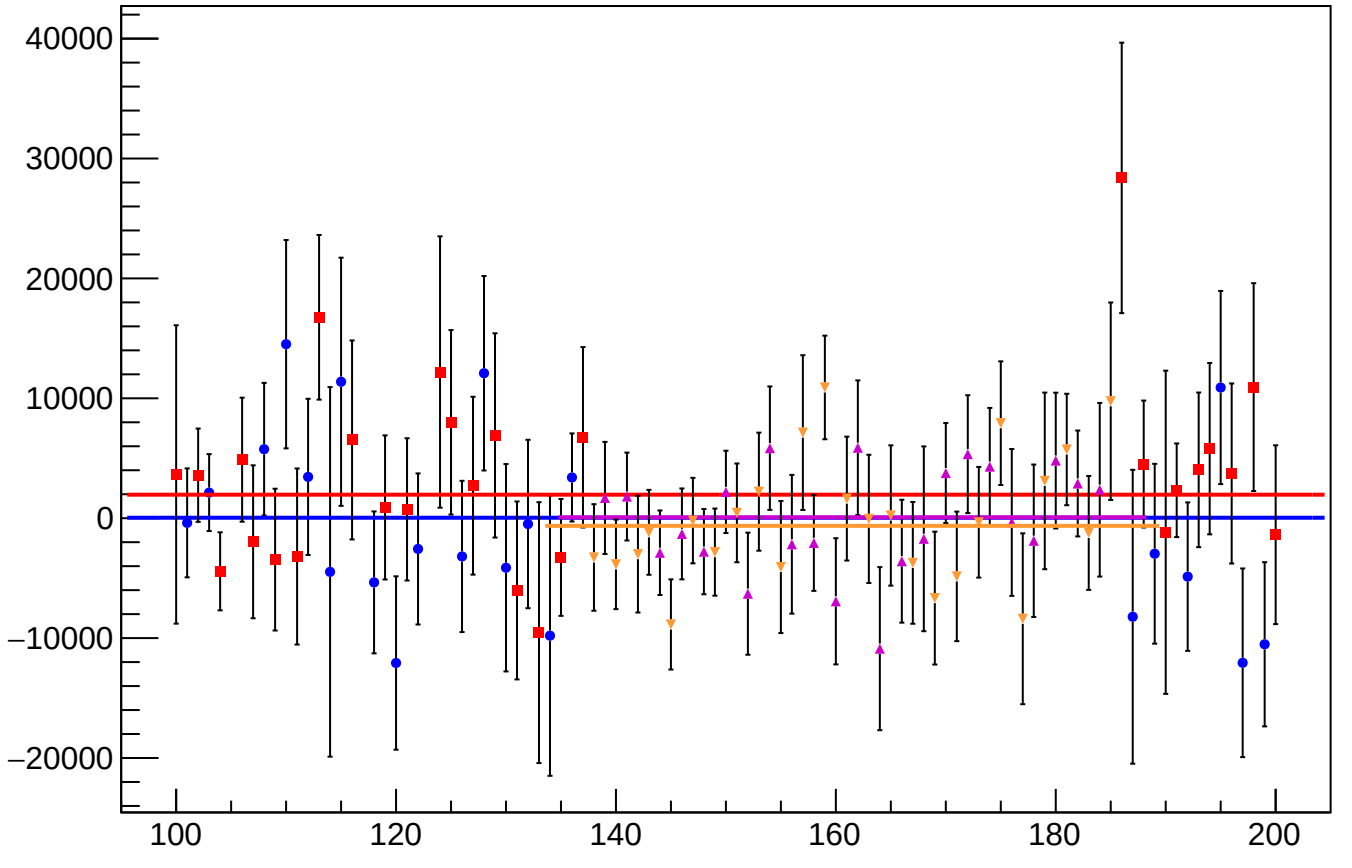
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1923.505+/-0.276 χ^2/NDF: 1085772.0/49

In: 1859.622+/-0.242 χ^2/NDF:755489.9/44

Out: 1864.768+/-0.231 χ^2/NDF:440569.6/52

All: 1862.310+/-0.167 χ^2/NDF: 1196295.5/97



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

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

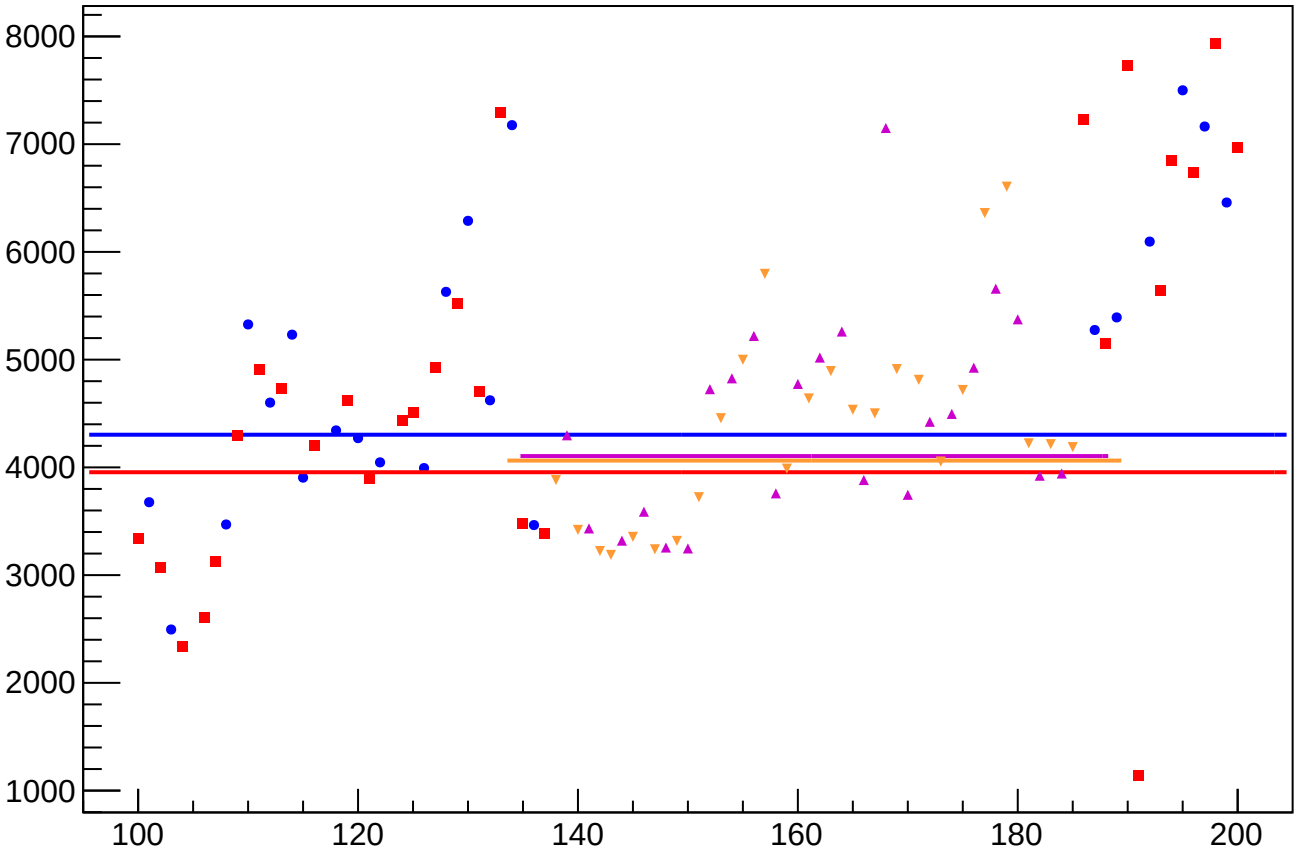
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1119.293+/-884.391 χ^2/NDF: 47.1/49

In: 63.119+/-790.316 χ^2/NDF:37.1/44

Out: 380.437+/-738.494 χ^2/NDF:53.1/52

All: 232.522+/-539.585 χ^2/NDF: 90.4/97



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

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

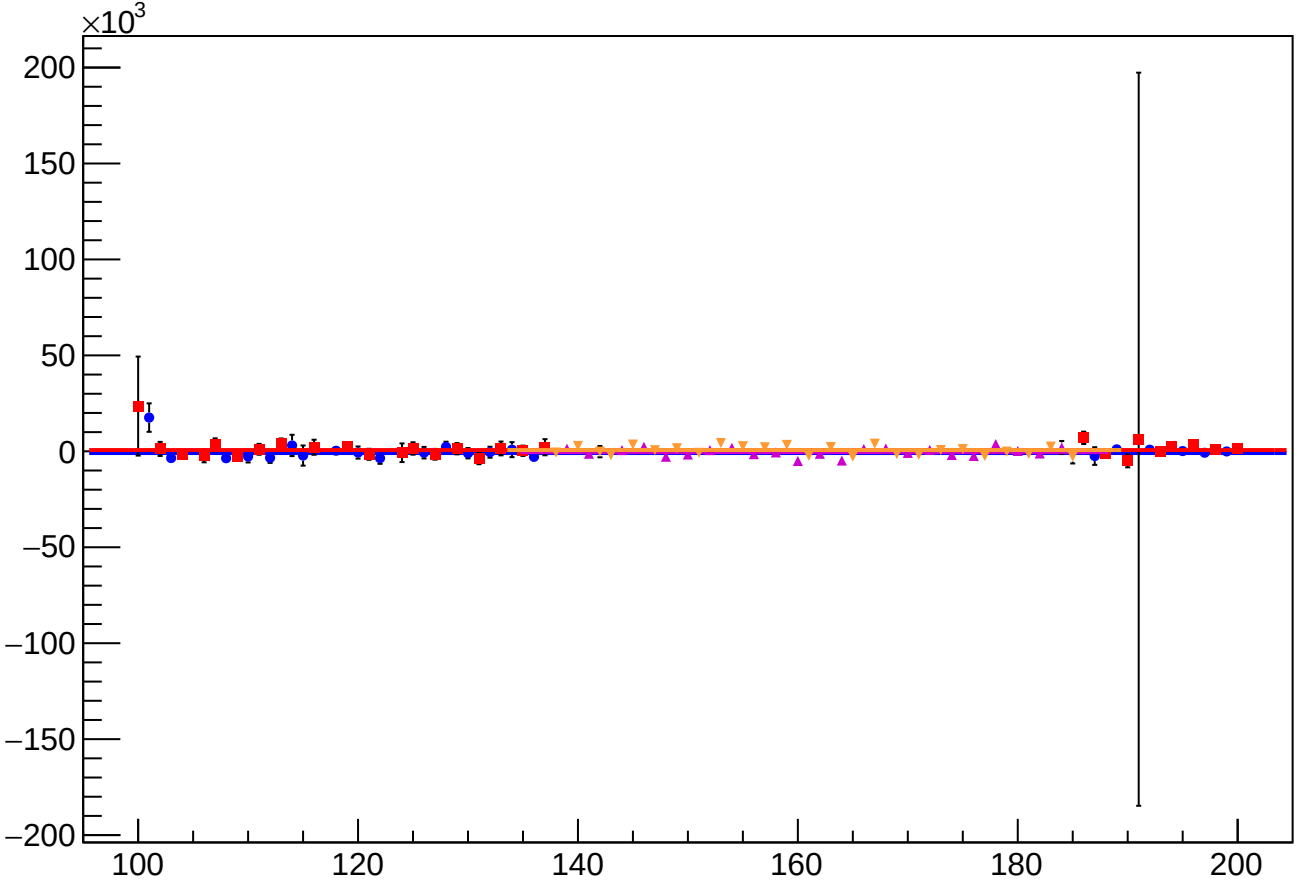
Right: 4107.610+/-0.625 χ^2/NDF: 6408178.0/49

In: 4174.386+/-0.559 χ^2/NDF:3544895.7/44

Out: 4020.779+/-0.522 χ^2/NDF:5590319.5/52

All: 4092.382+/-0.382 χ^2/NDF: 9175549.4/97

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -890.518+/-579.742 χ^2/NDF: 16.0/21

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

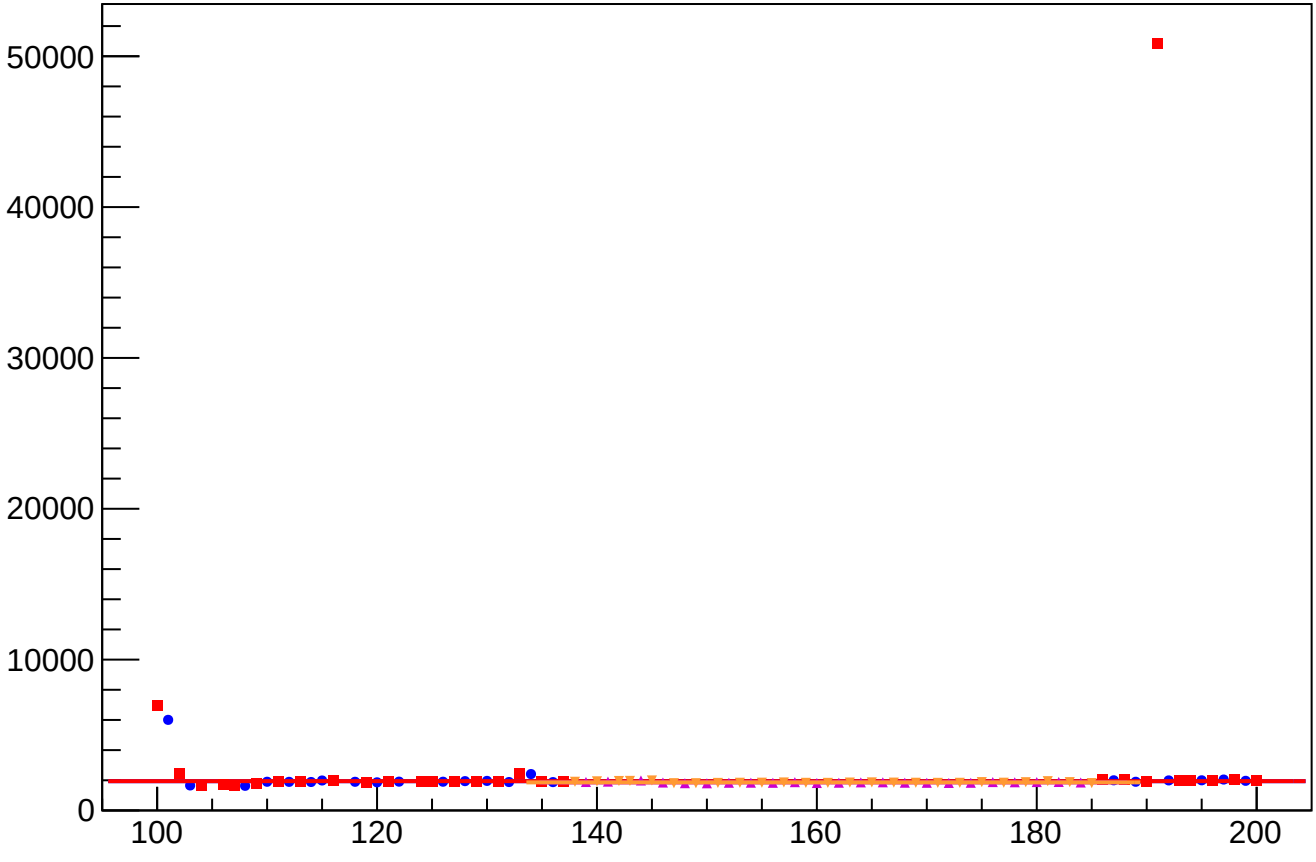
Right: -57.727+/-394.082 χ^2/NDF: 41.1/49

In: -583.059+/-347.358 χ^2/NDF:40.0/44

Out: 657.613+/-332.393 χ^2/NDF:48.4/52

All: 64.577+/-240.154 χ^2/NDF: 95.1/97

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.8/21

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

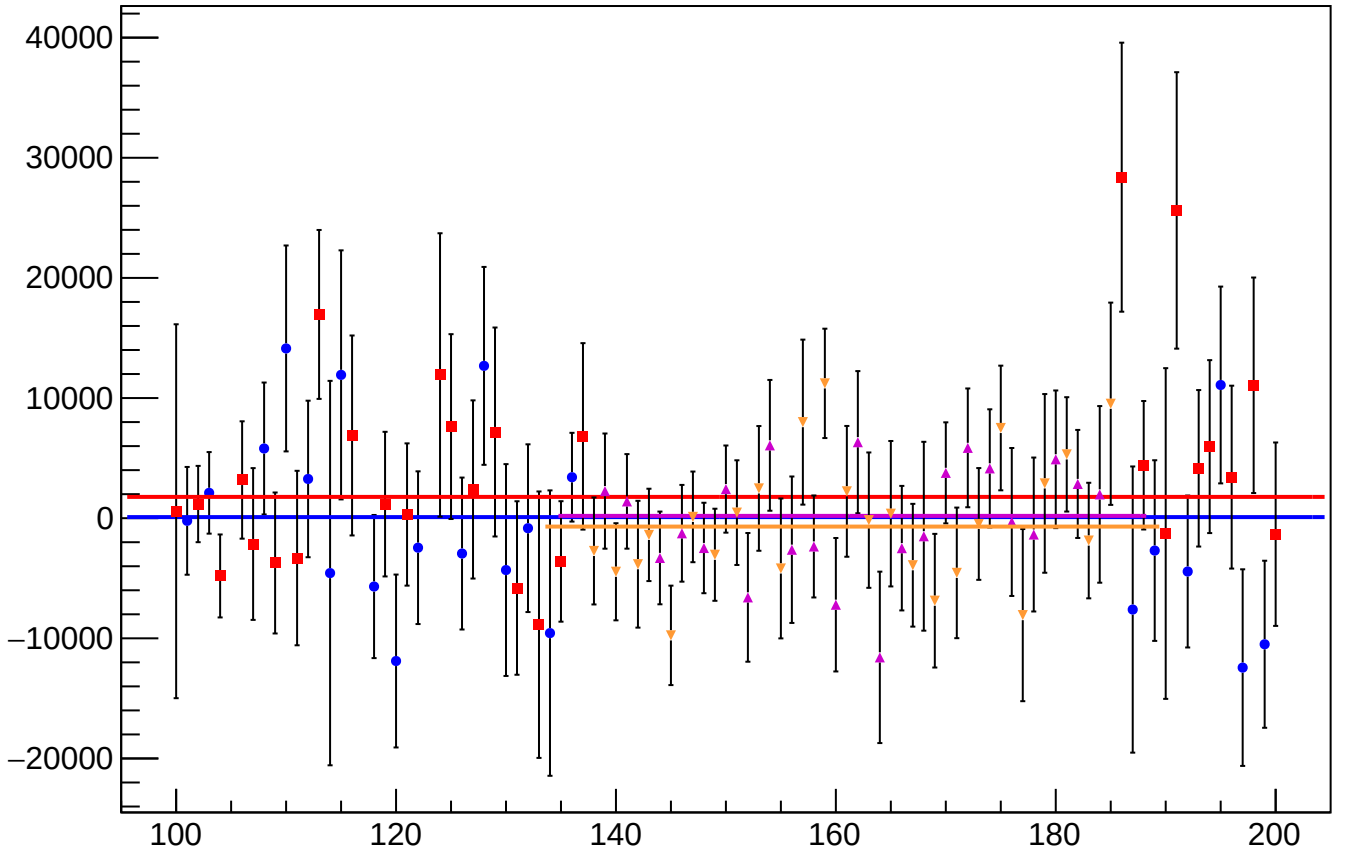
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1941.421+/-0.279 χ^2/NDF: 1096699.4/49

In: 1887.026+/-0.246 χ^2/NDF:749679.9/44

Out: 1892.895+/-0.235 χ^2/NDF:443233.0/52

All: 1890.091+/-0.170 χ^2/NDF: 1193211.0/97



Right In: 90.743+/-1353.193 χ^2/NDF: 21.5/21

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1772.246+/-1214.757 χ^2/NDF: 27.9/27

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

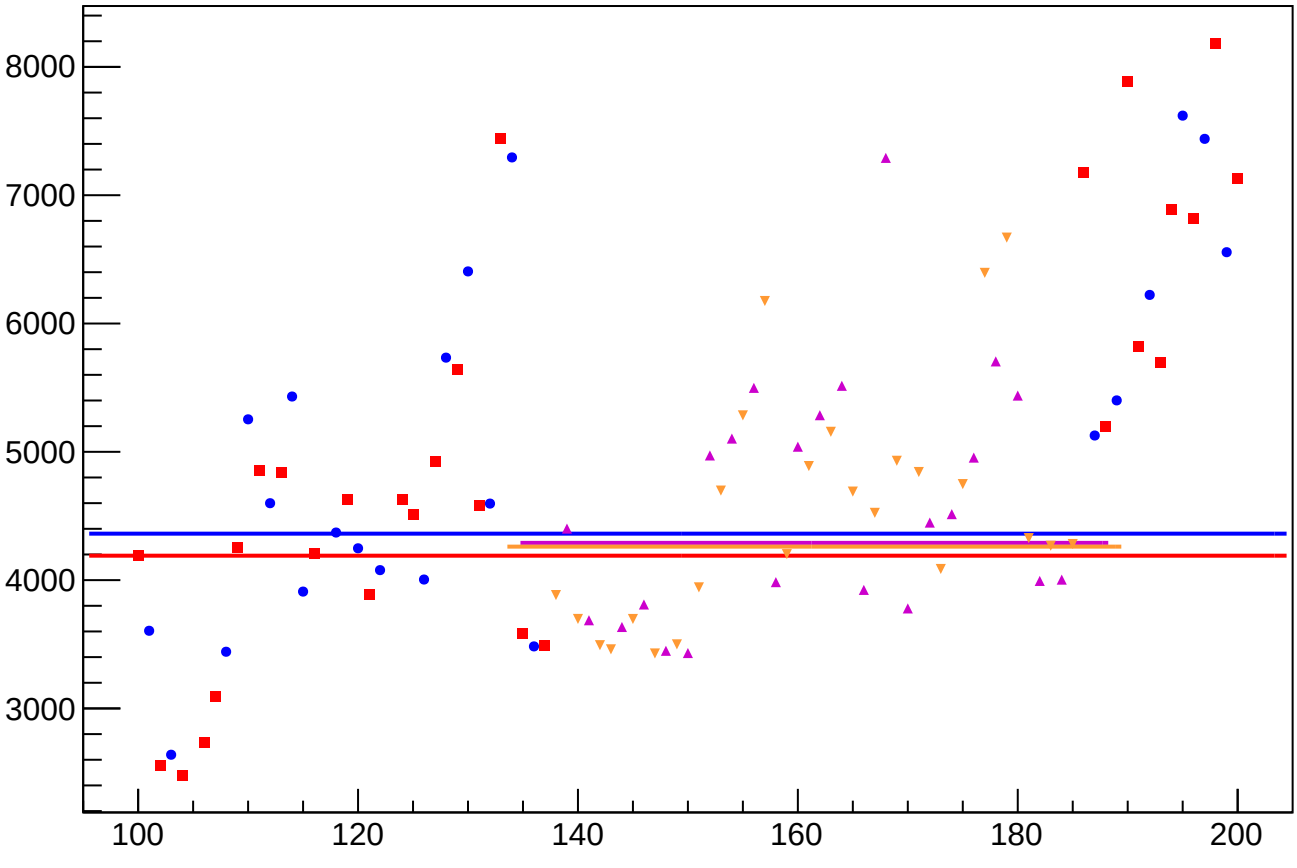
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1021.881+/-903.956 χ^2/NDF: 50.2/49

In: 155.509+/-815.778 χ^2/NDF:36.6/44

Out: 287.761+/-767.437 χ^2/NDF:55.7/52

All: 225.669+/-558.969 χ^2/NDF: 92.4/97



Right In: 4362.228+/-0.957 χ^2/NDF: 2094705.5/21

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

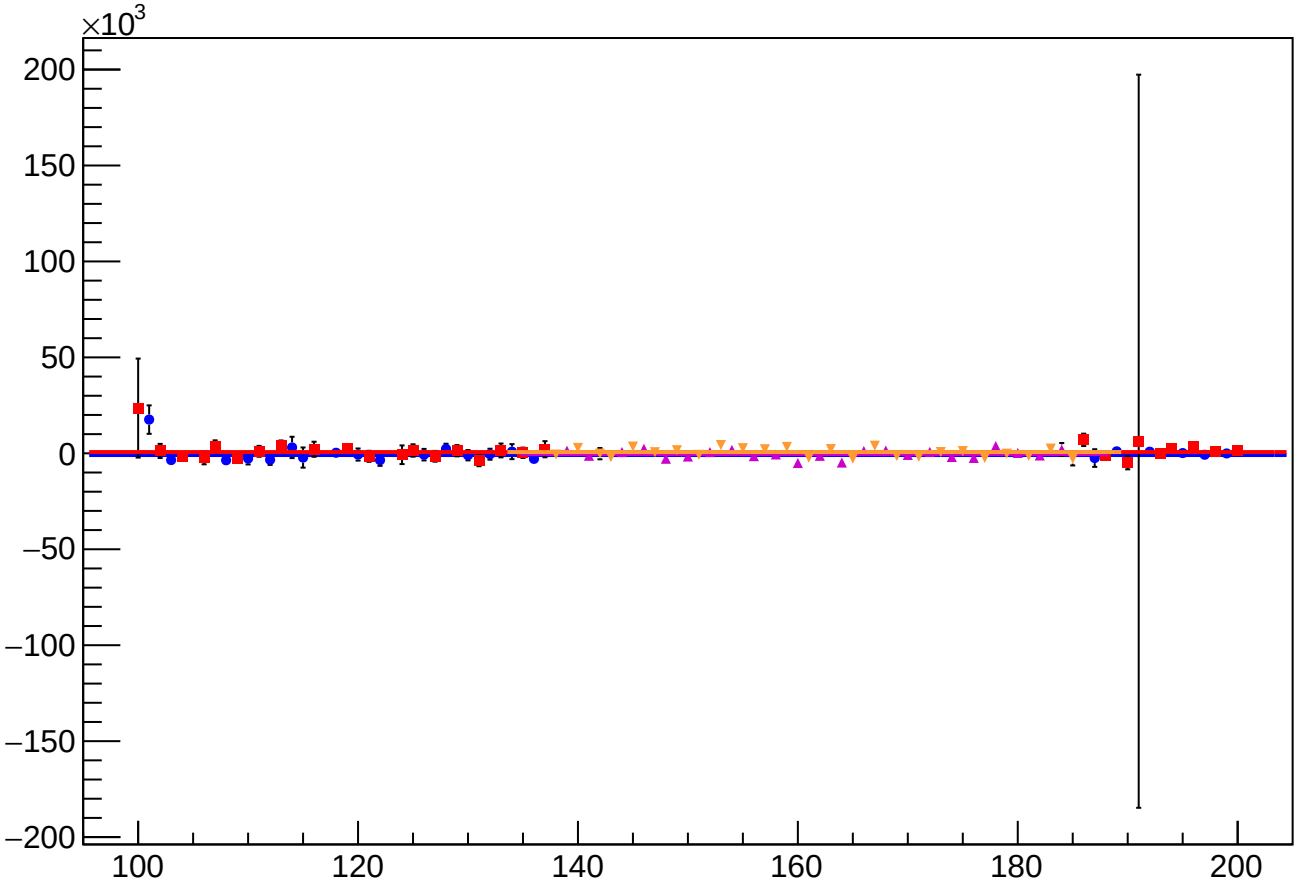
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4267.153+/-0.639 χ^2/NDF: 5445854.0/49

In: 4316.503+/-0.577 χ^2/NDF:3312257.5/44

Out: 4232.951+/-0.543 χ^2/NDF:4527938.7/52

All: 4272.178+/-0.395 χ^2/NDF: 7851326.3/97



Right In: -890.521+/-579.742 χ^2/NDF: 16.0/21

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

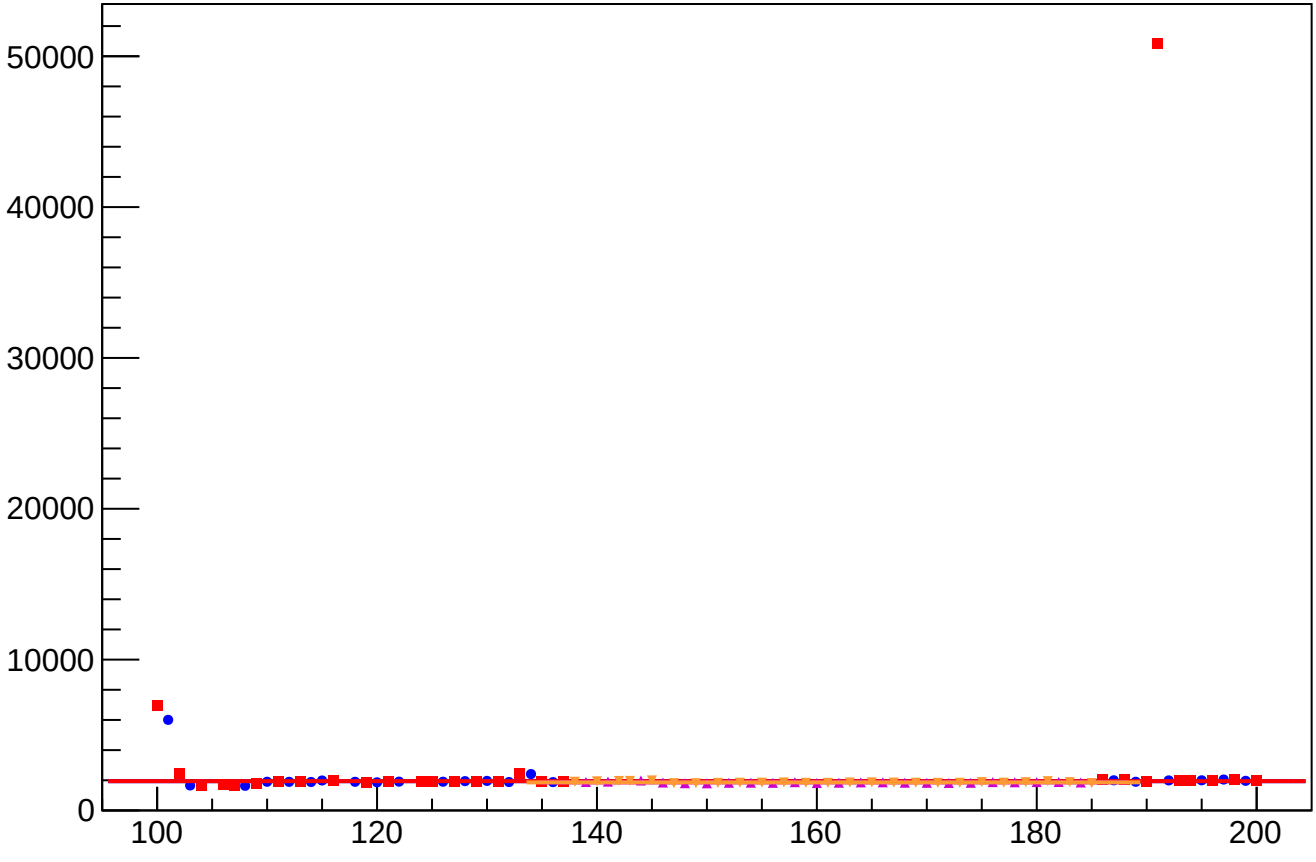
Right: -57.730+/-394.082 χ^2/NDF: 41.1/49

In: -583.060+/-347.358 χ^2/NDF:40.0/44

Out: 657.615+/-332.393 χ^2/NDF:48.4/52

All: 64.578+/-240.154 χ^2/NDF: 95.1/97

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.6/21

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

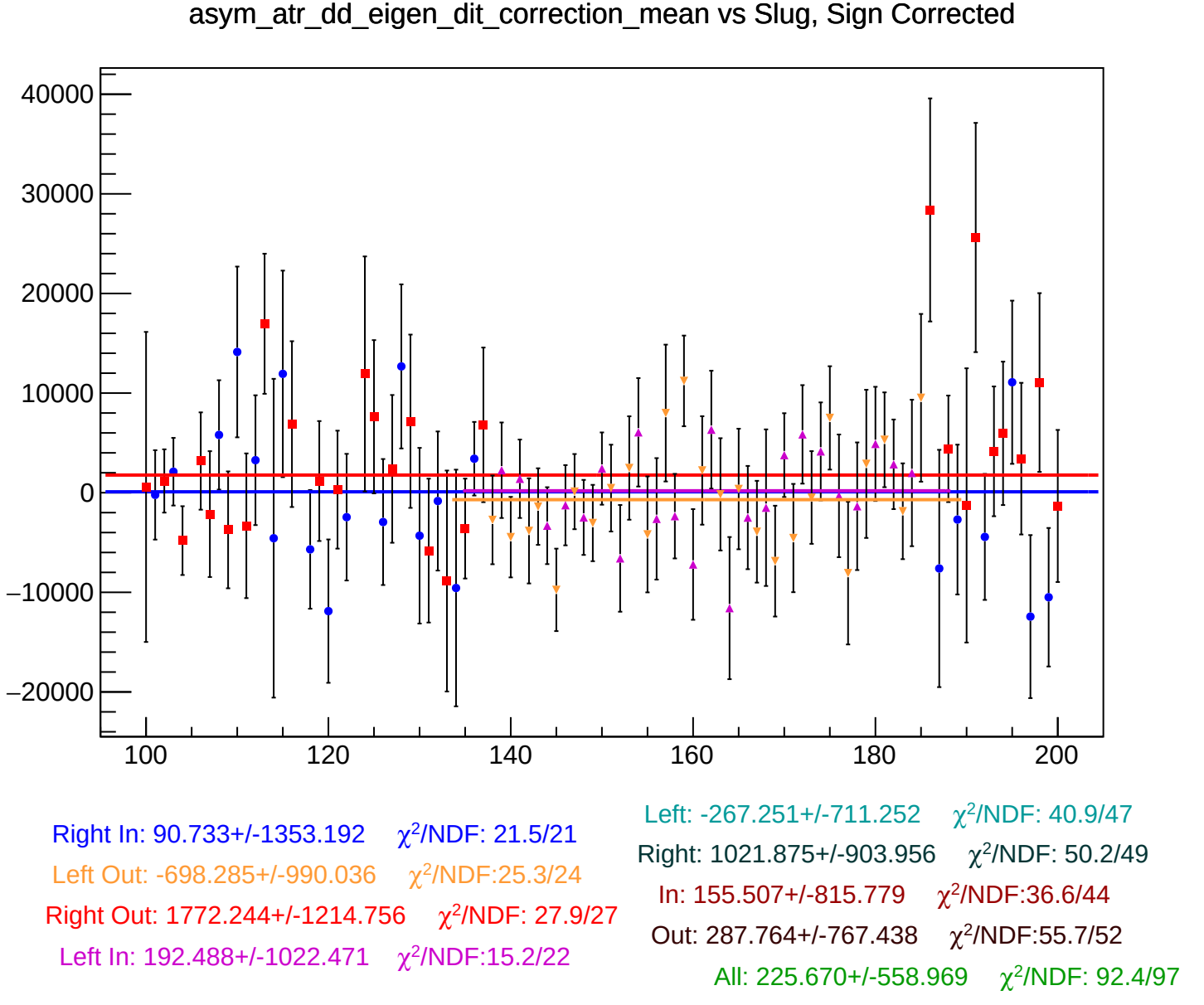
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

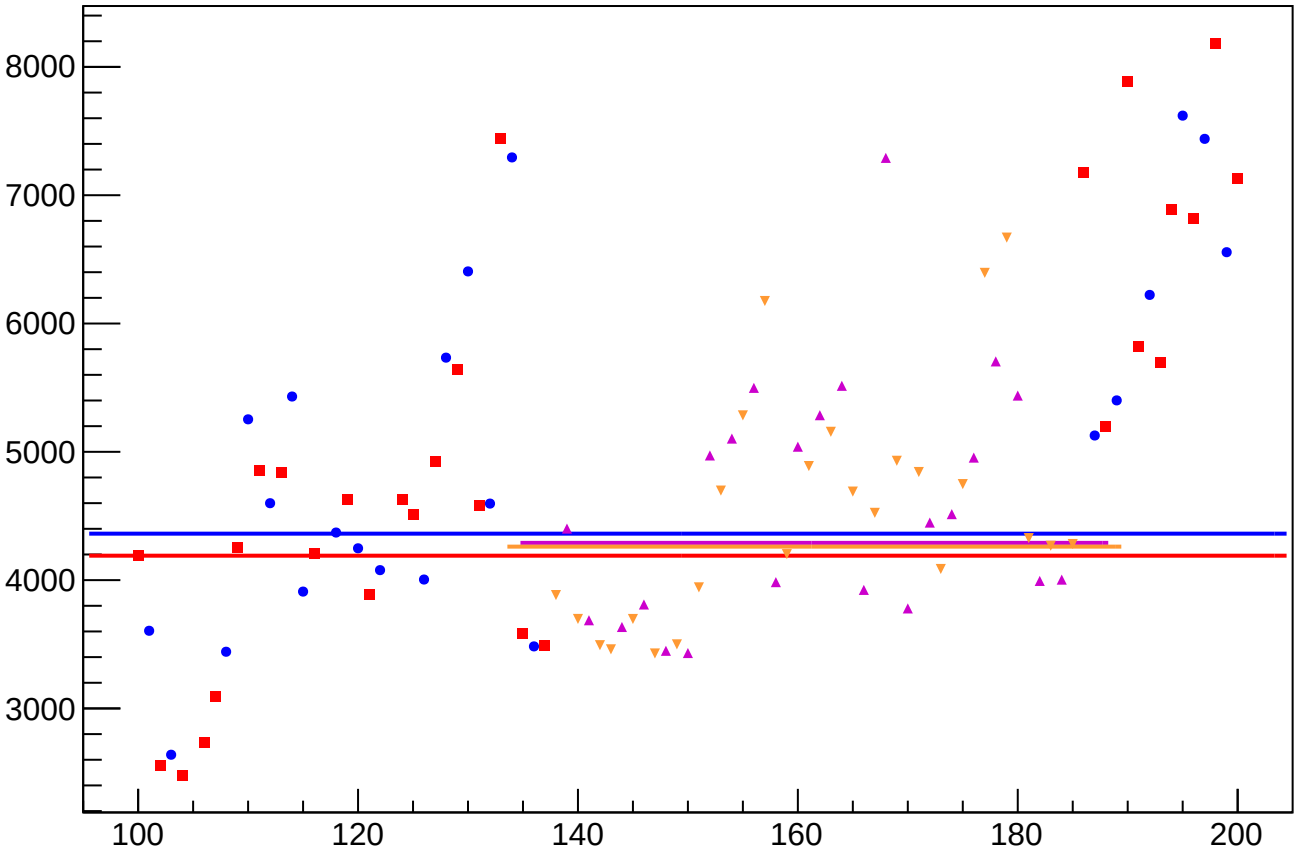
Right: 1941.421+/-0.279 χ^2/NDF: 1096699.4/49

In: 1887.027+/-0.246 χ^2/NDF:749679.2/44

Out: 1892.896+/-0.235 χ^2/NDF:443232.9/52

All: 1890.091+/-0.170 χ^2/NDF: 1193210.1/97


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 90.733+/-1353.192 χ²/NDF: 21.5/21
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1772.244+/-1214.756 χ²/NDF: 27.9/27
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 1021.875+/-903.956 χ²/NDF: 50.2/49
In: 155.507+/-815.779 χ²/NDF:36.6/44
Out: 287.764+/-767.438 χ²/NDF:55.7/52
All: 225.670+/-558.969 χ²/NDF: 92.4/97



Right In: 4362.226+/-0.957 χ^2/NDF: 2094703.6/21

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

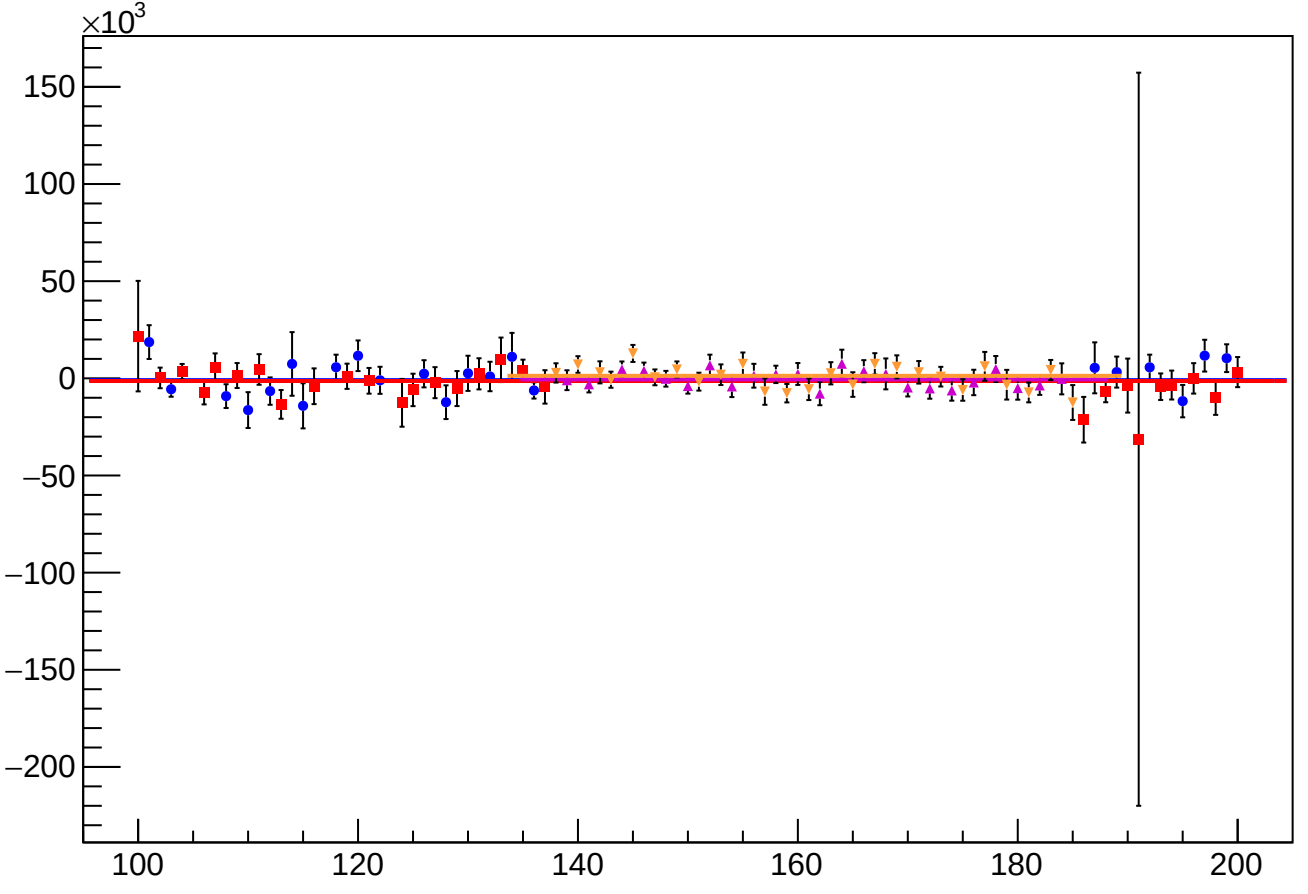
Right: 4267.150+/-0.639 χ^2/NDF: 5445850.7/49

In: 4316.507+/-0.577 χ^2/NDF:3312260.5/44

Out: 4232.953+/-0.543 χ^2/NDF:4527941.1/52

All: 4272.181+/-0.395 χ^2/NDF: 7851331.8/97

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -935.405+/-1521.247 χ^2/NDF: 29.7/21

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

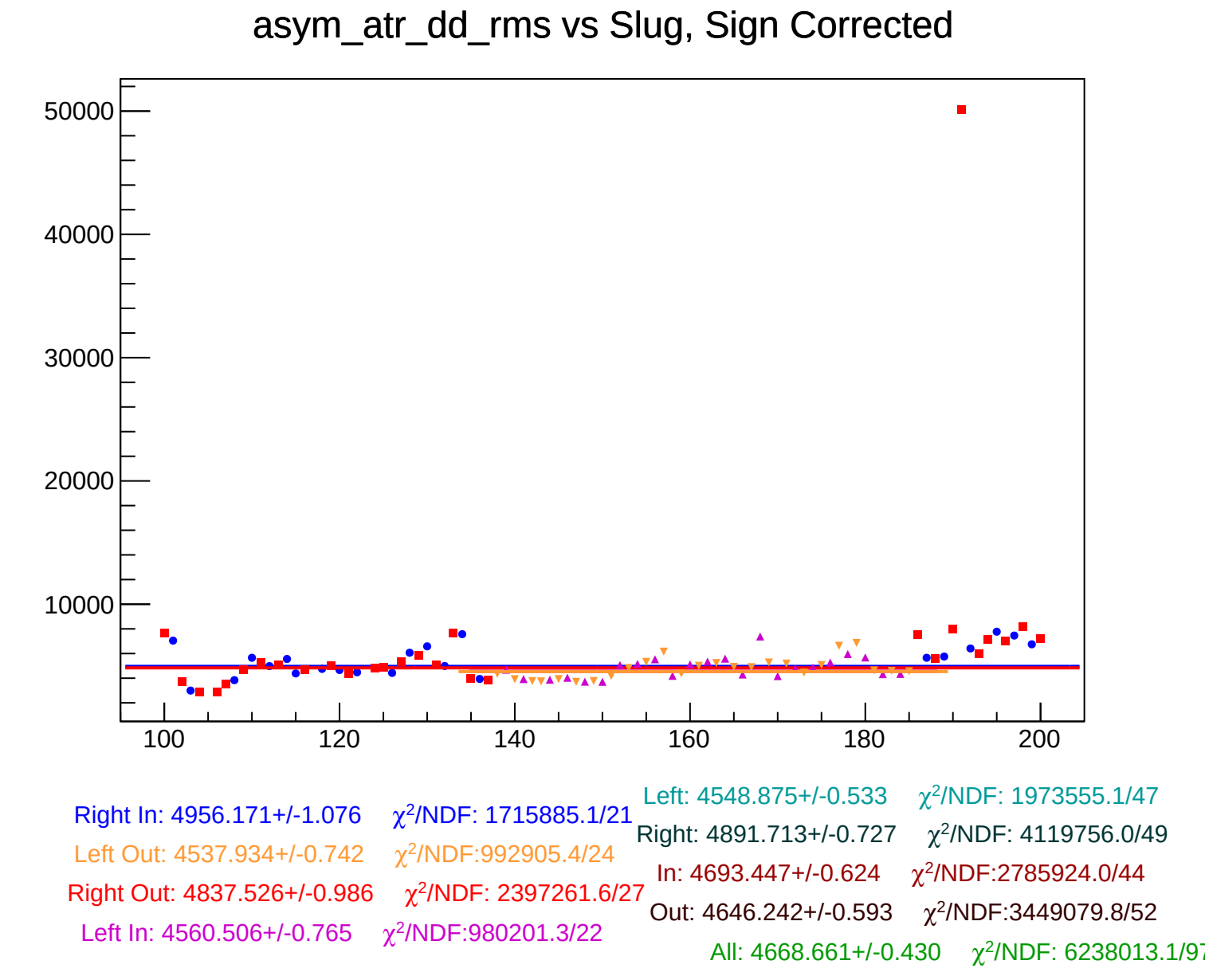
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

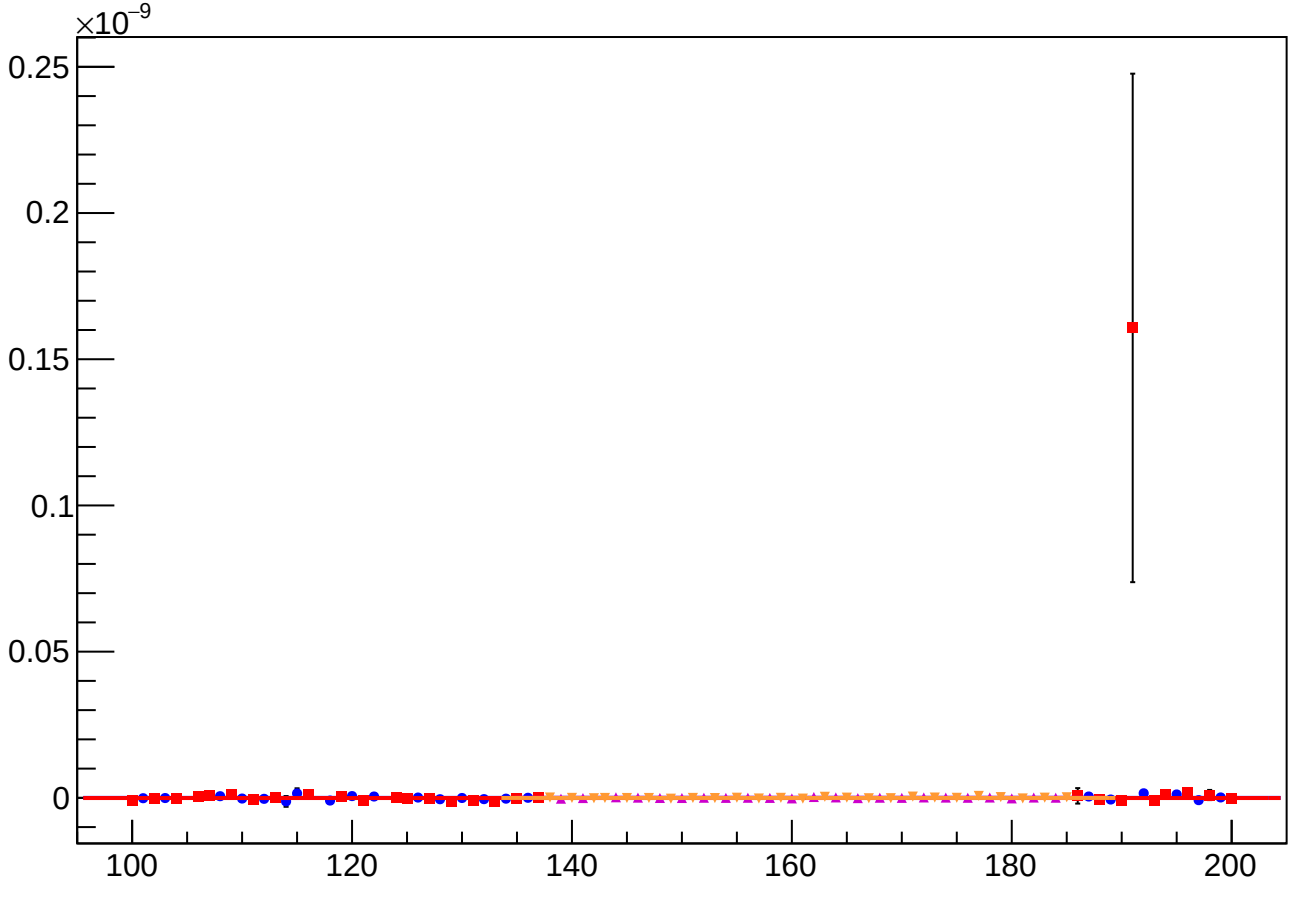
Right: -1176.554+/-1031.503 χ^2/NDF: 46.2/49

In: -697.051+/-881.789 χ^2/NDF:44.2/44

Out: 337.031+/-840.504 χ^2/NDF:47.3/52

All: -155.236+/-608.398 χ^2/NDF: 92.2/97


asym_atr_dd_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 4956.171+/-1.076 χ²/NDF: 1715885.1/21
Left Out: 4537.934+/-0.742 χ²/NDF:992905.4/24
Right Out: 4837.526+/-0.986 χ²/NDF: 2397261.6/27
Left In: 4560.506+/-0.765 χ²/NDF:980201.3/22
Left: 4548.875+/-0.533 χ²/NDF: 1973555.1/47
Right: 4891.713+/-0.727 χ²/NDF: 4119756.0/49
In: 4693.447+/-0.624 χ²/NDF:2785924.0/44
Out: 4646.242+/-0.593 χ²/NDF:3449079.8/52
All: 4668.661+/-0.430 χ²/NDF: 6238013.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/21

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

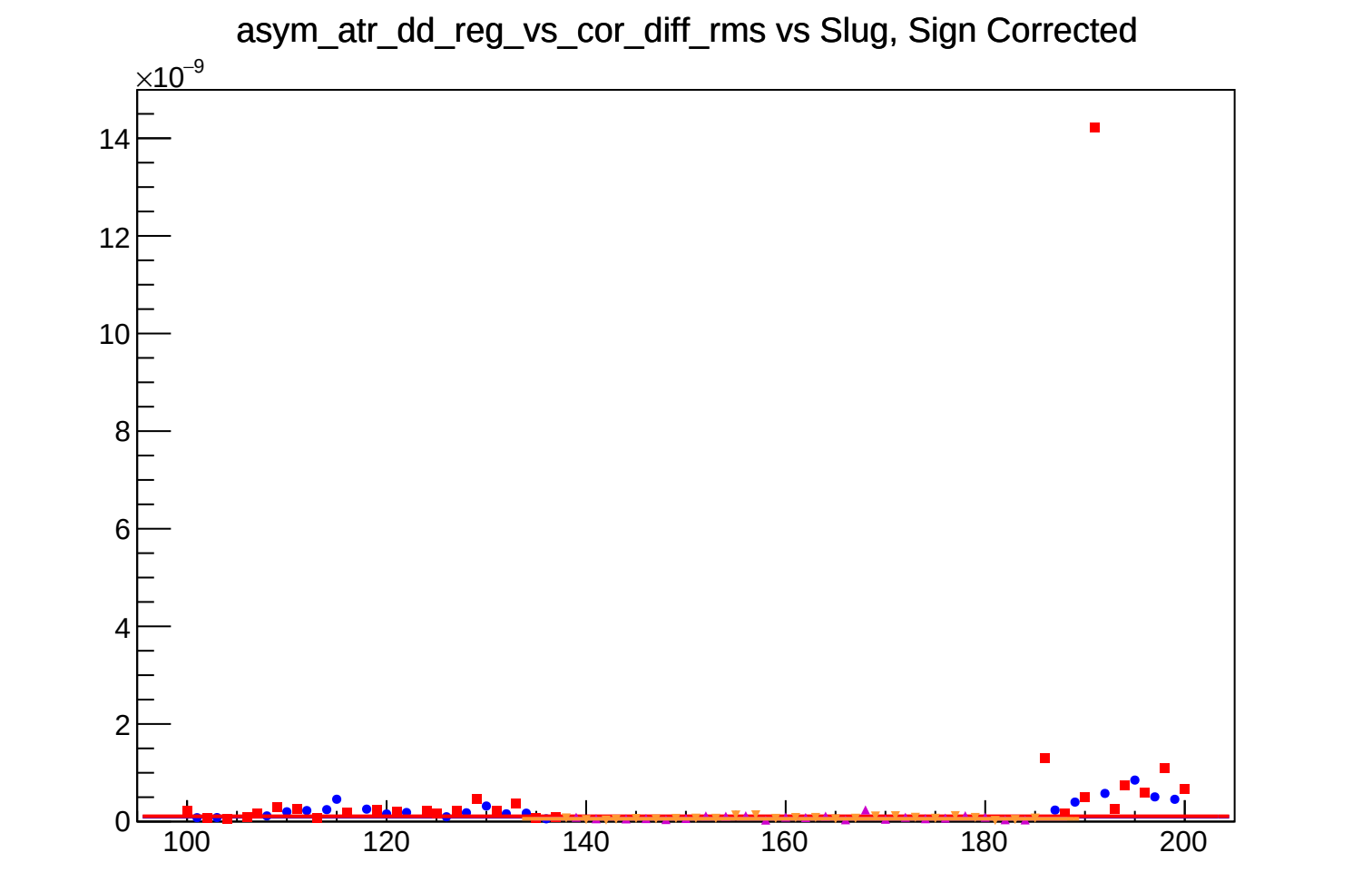
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

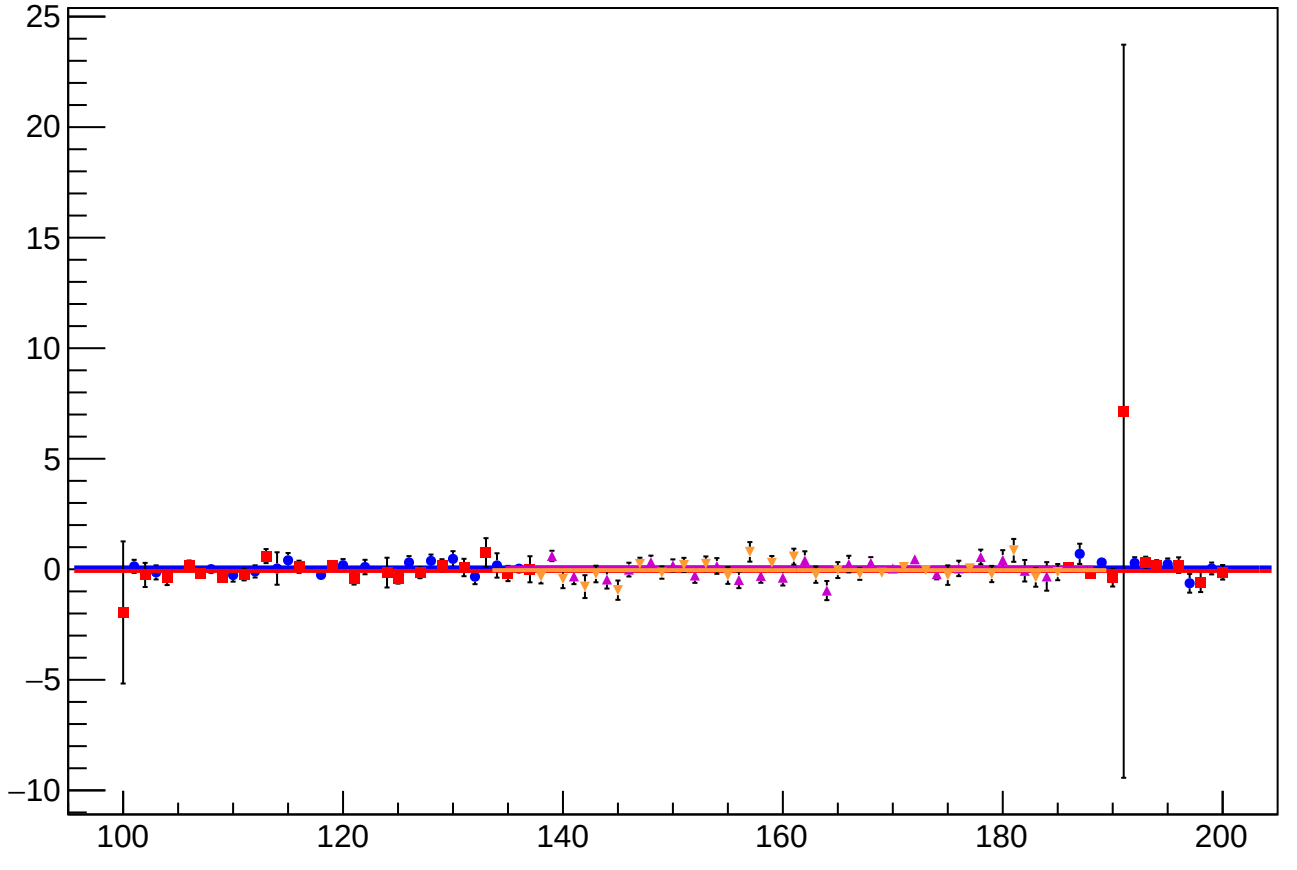
Right: -0.000+/-0.000 χ^2/NDF: 52.3/49

In: 0.000+/-0.000 χ^2/NDF:38.8/44

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: -0.000+/-0.000 χ^2/NDF: 112.7/97


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: 3448165.7/21
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: 8269948.4/49
In: 0.000+/-0.000 χ²/NDF:6279443.6/44
Out: 0.000+/-0.000 χ²/NDF:7777242.0/52
All: 0.000+/-0.000 χ²/NDF: 14057310.0/97



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

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

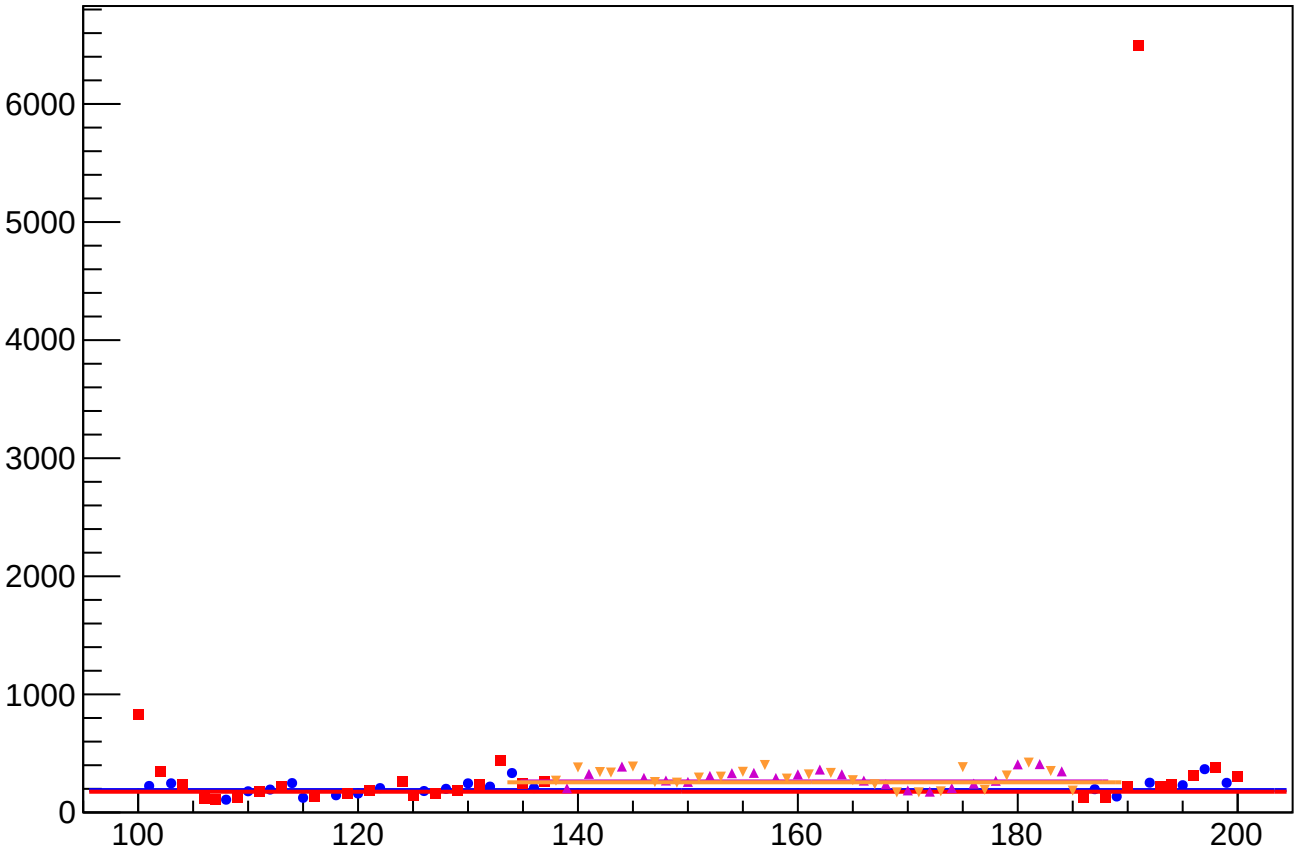
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.005+/-0.040 χ^2/NDF: 46.6/49

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.005+/-0.030 χ^2/NDF: 103.9/97



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

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

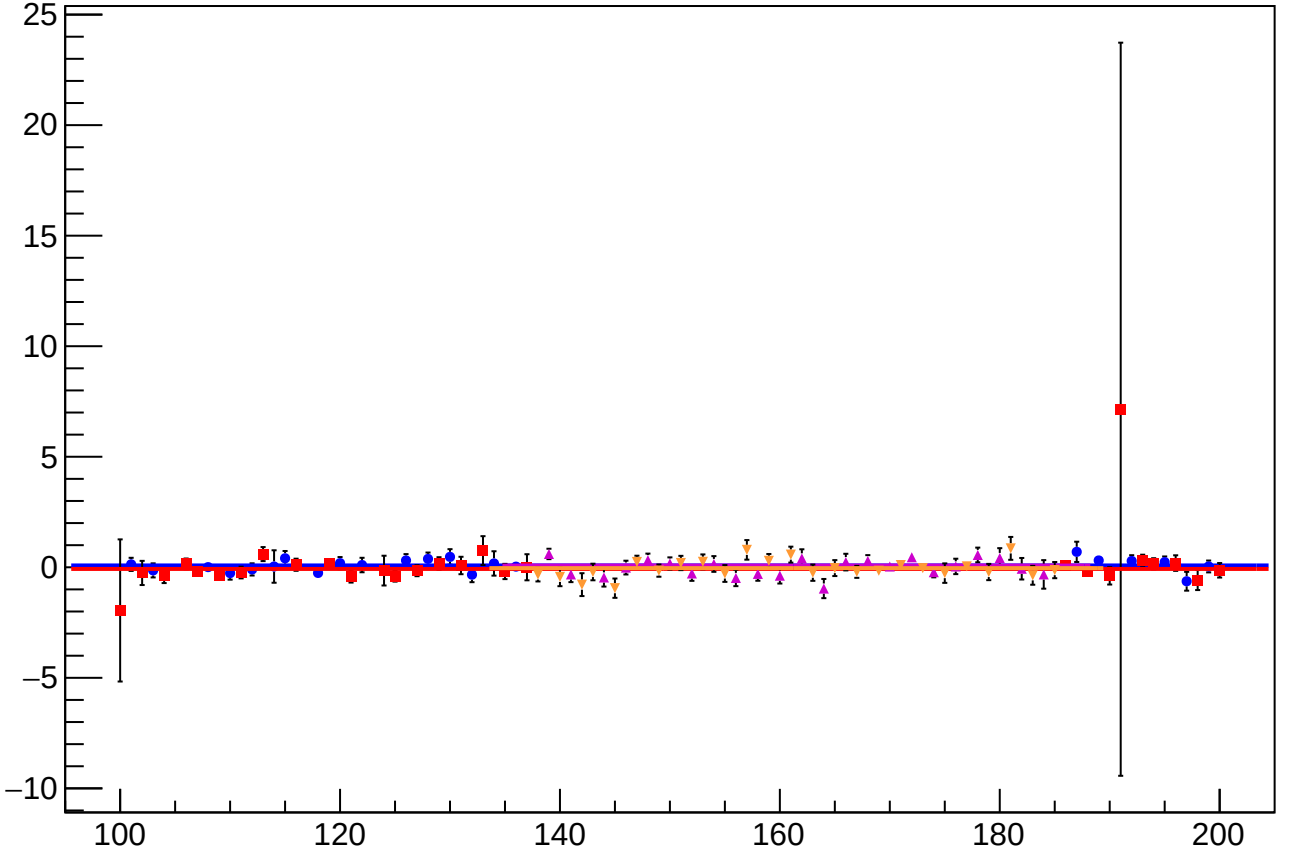
Right: 181.689+/-0.028 χ^2/NDF: 5107317.2/49

In: 223.134+/-0.031 χ^2/NDF:5132290.9/44

Out: 209.235+/-0.028 χ^2/NDF:8173652.0/52

All: 215.583+/-0.021 χ^2/NDF: 13414769.7/97

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

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

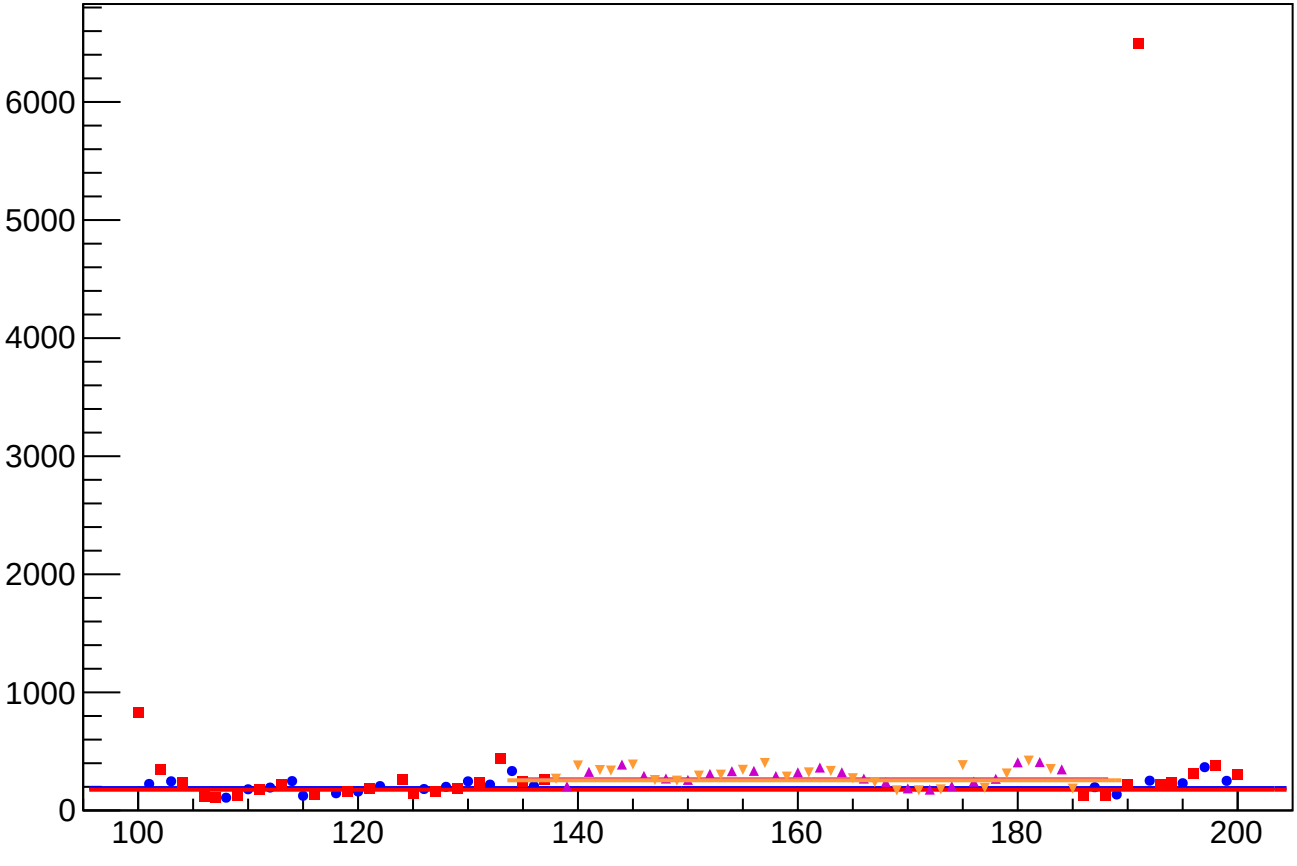
Right: -0.005+/-0.040 χ^2/NDF: 46.6/49

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.005+/-0.030 χ^2/NDF: 103.9/97

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

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

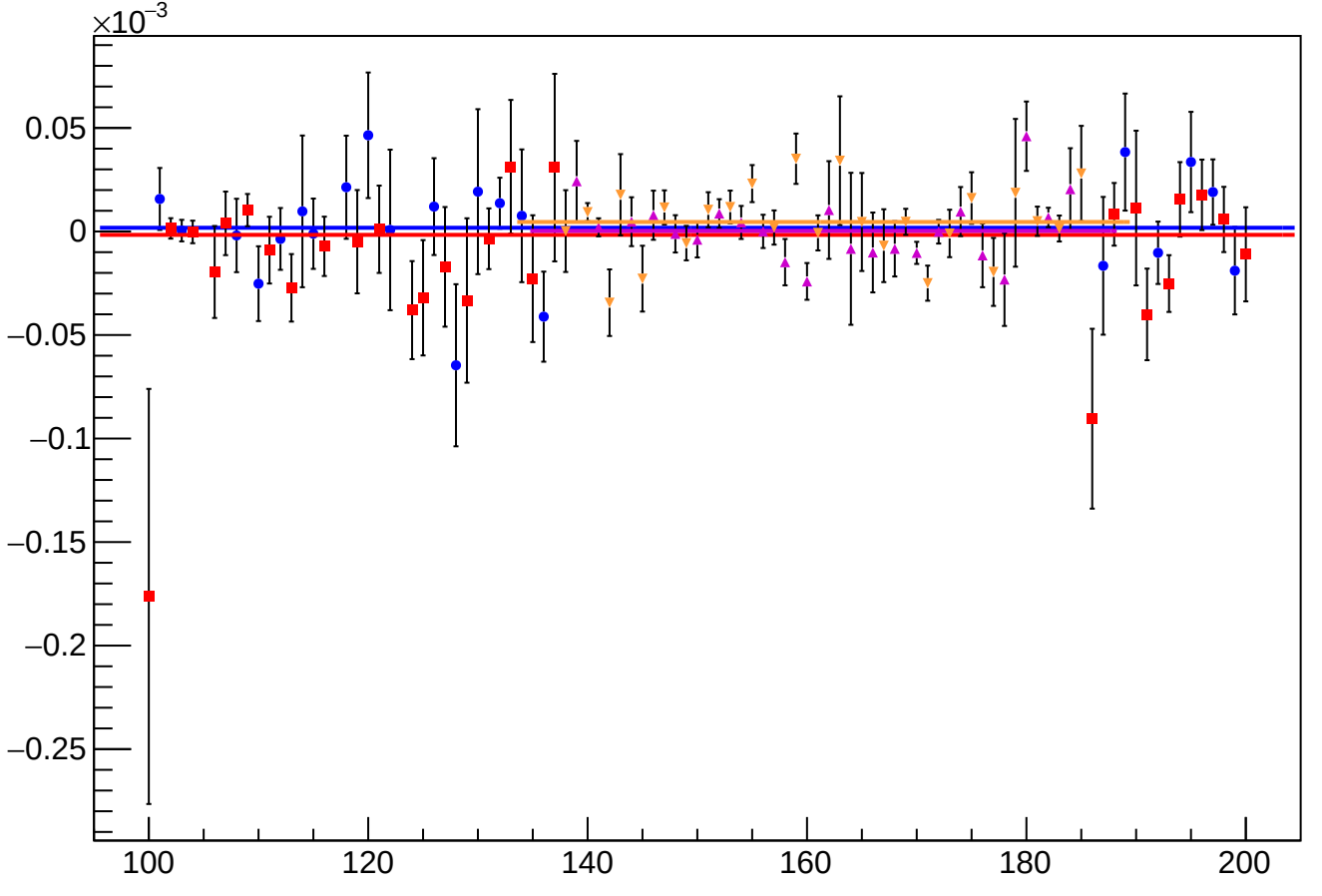
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 181.689+/-0.028 χ^2/NDF: 5107317.2/49

In: 223.134+/-0.031 χ^2/NDF:5132290.9/44

Out: 209.235+/-0.028 χ^2/NDF:8173652.0/52

All: 215.583+/-0.021 χ^2/NDF: 13414769.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

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

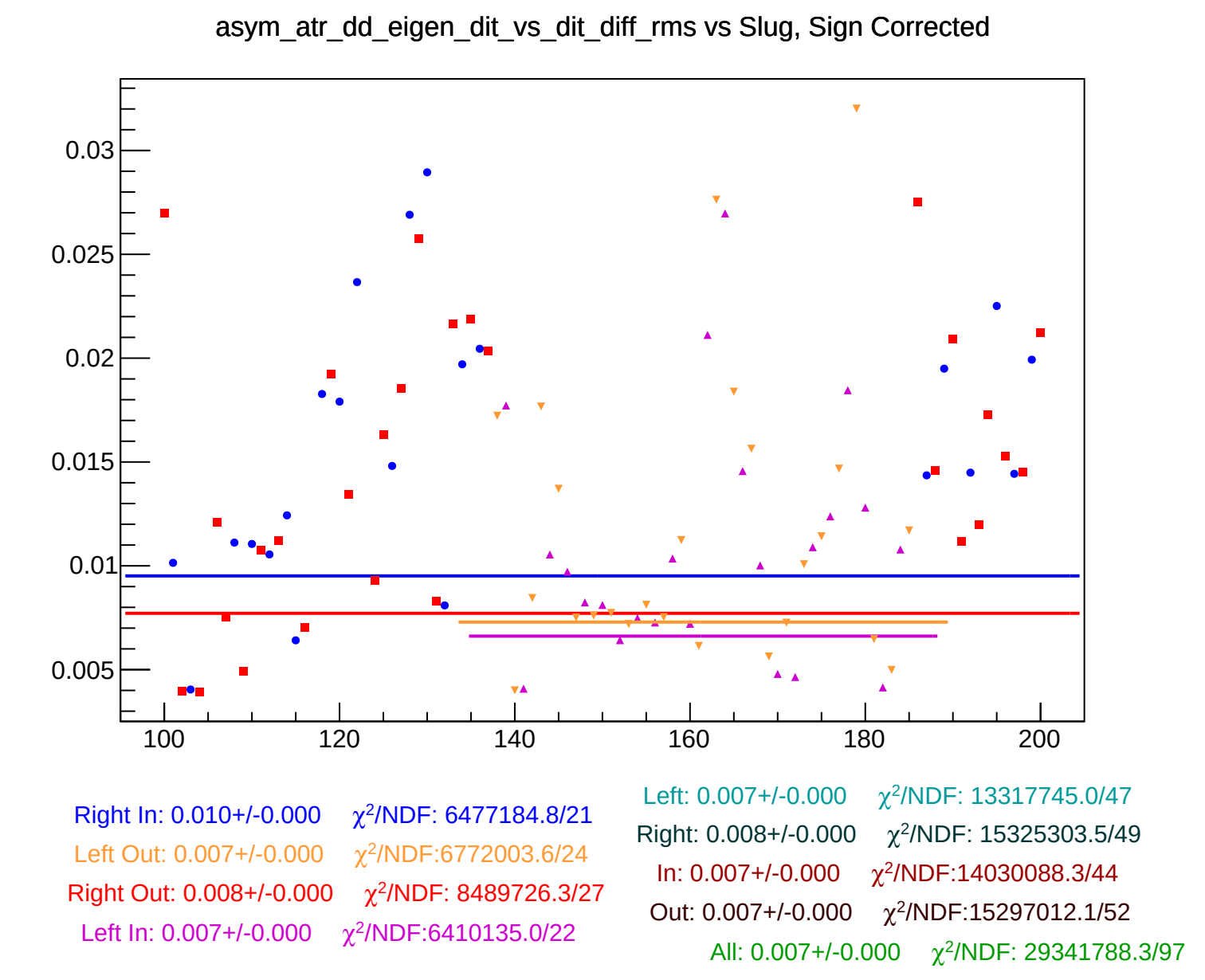
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

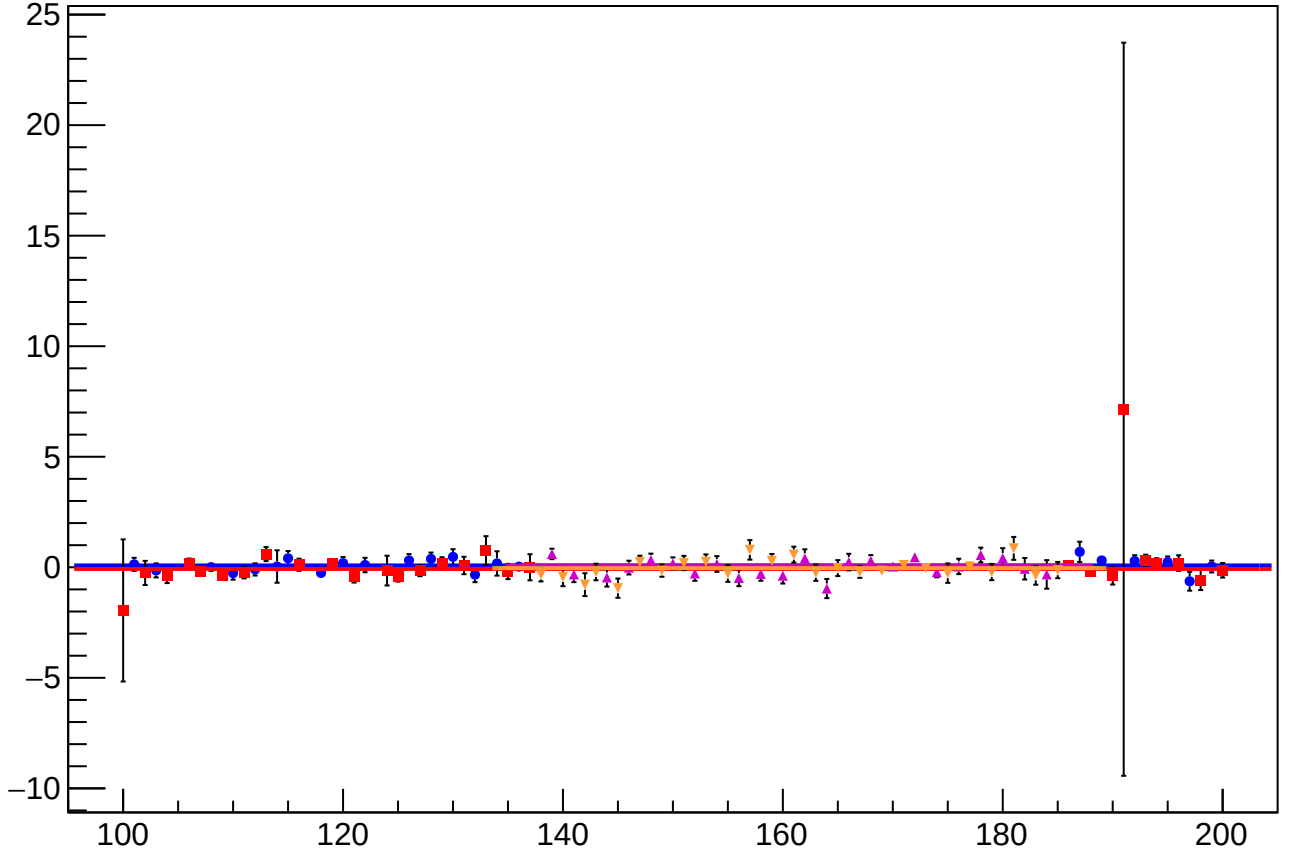
Right: -0.000+/-0.000 χ^2/NDF: 50.8/49

In: 0.000+/-0.000 χ^2/NDF:52.2/44

Out: 0.000+/-0.000 χ^2/NDF:76.5/52

All: 0.000+/-0.000 χ^2/NDF: 129.4/97


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 6477184.8/21
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 8489726.3/27
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.008+/-0.000 χ²/NDF: 15325303.5/49
In: 0.007+/-0.000 χ²/NDF:14030088.3/44
Out: 0.007+/-0.000 χ²/NDF:15297012.1/52
All: 0.007+/-0.000 χ²/NDF: 29341788.3/97



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

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

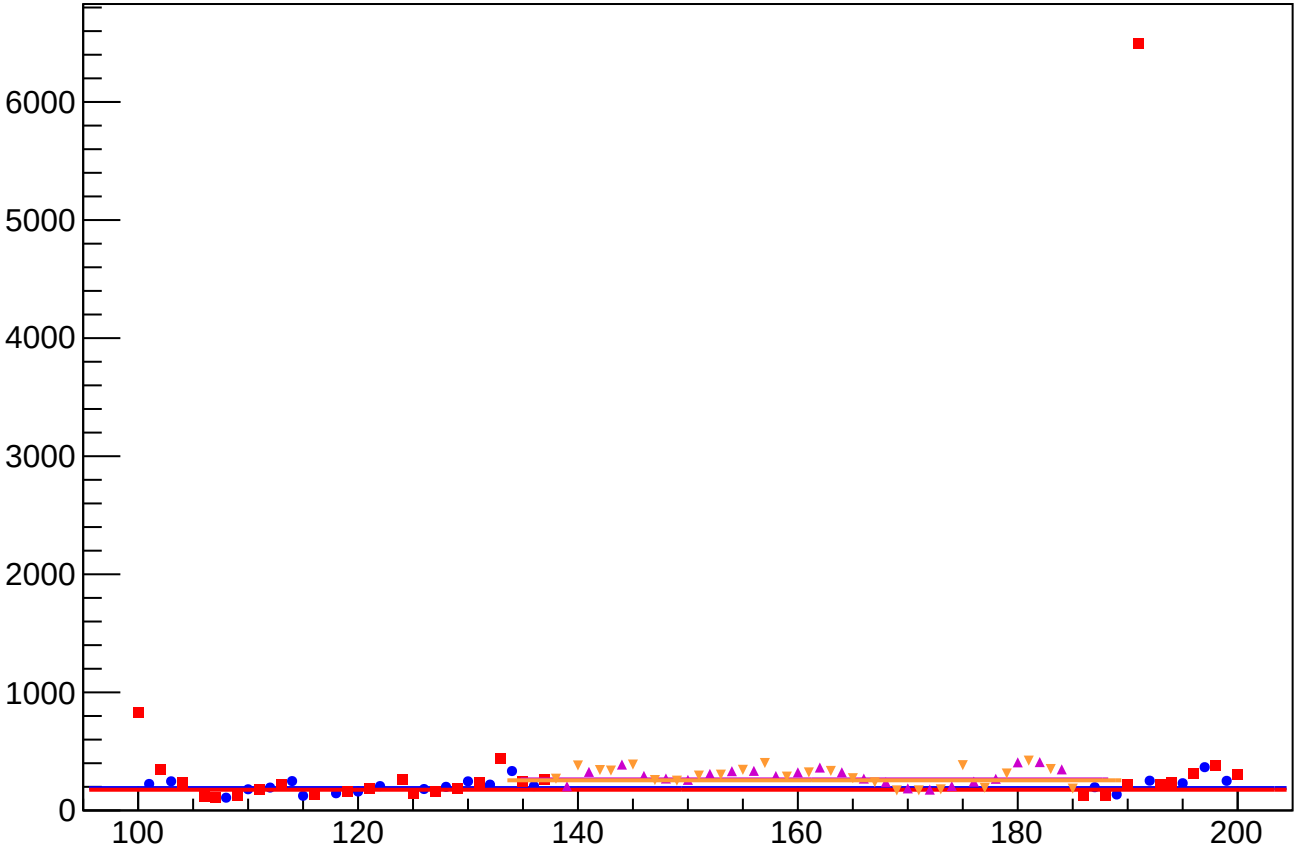
Right: -0.005+/-0.040 χ^2/NDF: 46.6/49

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.005+/-0.030 χ^2/NDF: 103.9/97

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

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

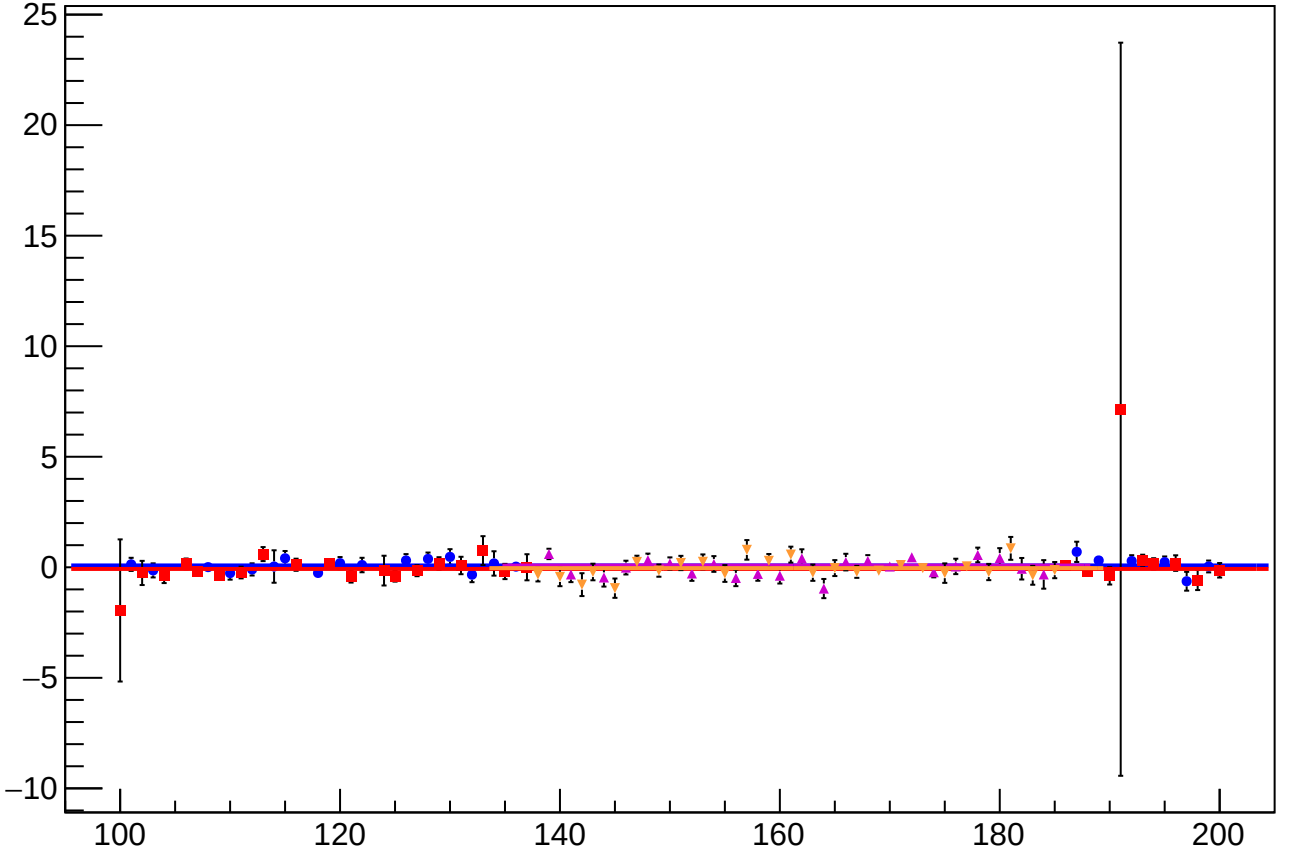
Right: 181.690+/-0.028 χ^2/NDF: 5107253.6/49

In: 223.134+/-0.031 χ^2/NDF:5132417.6/44

Out: 209.236+/-0.028 χ^2/NDF:8173707.5/52

All: 215.584+/-0.021 χ^2/NDF: 13414935.8/97

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

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

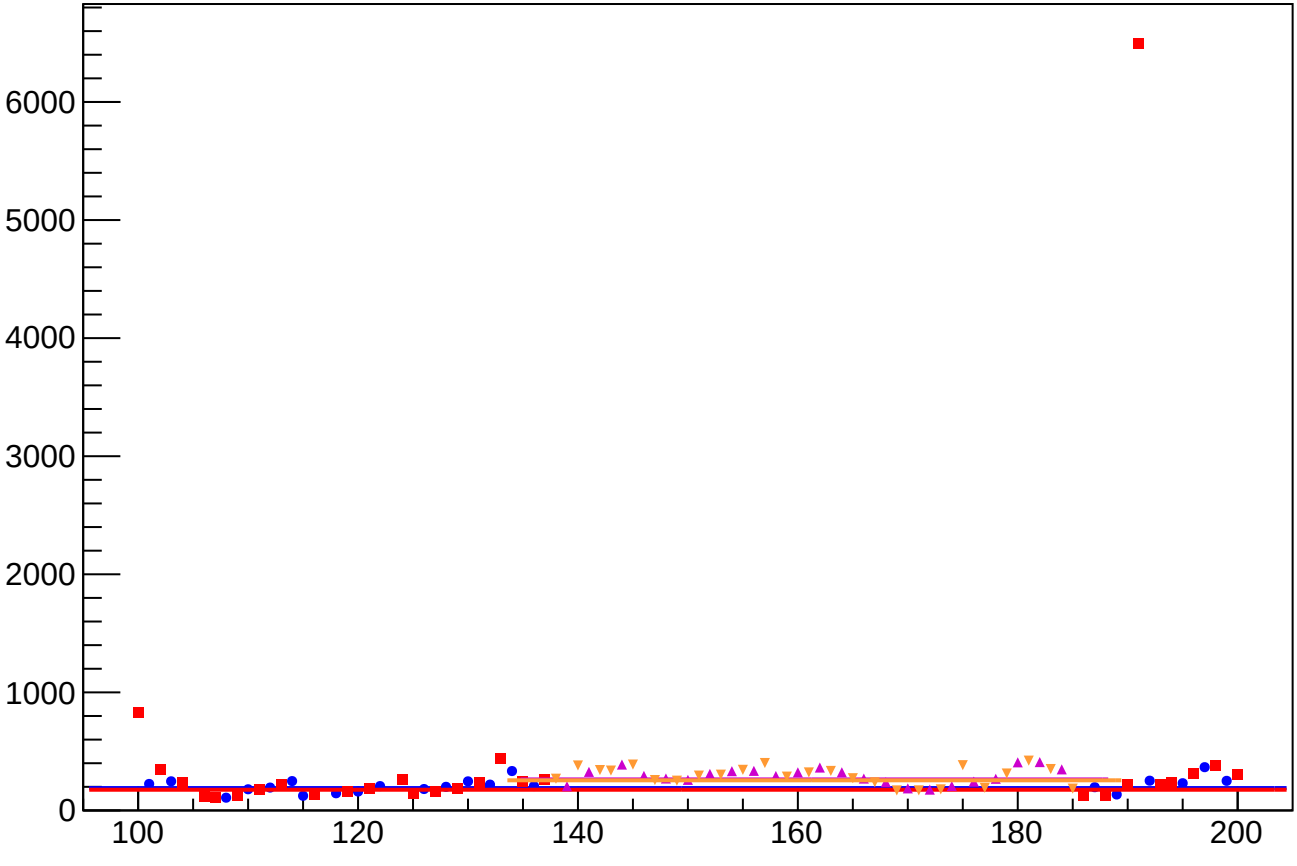
Right: -0.005+/-0.040 χ^2/NDF: 46.6/49

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.059+/-0.040 χ^2/NDF:49.4/52

All: 0.005+/-0.030 χ^2/NDF: 103.9/97

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

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

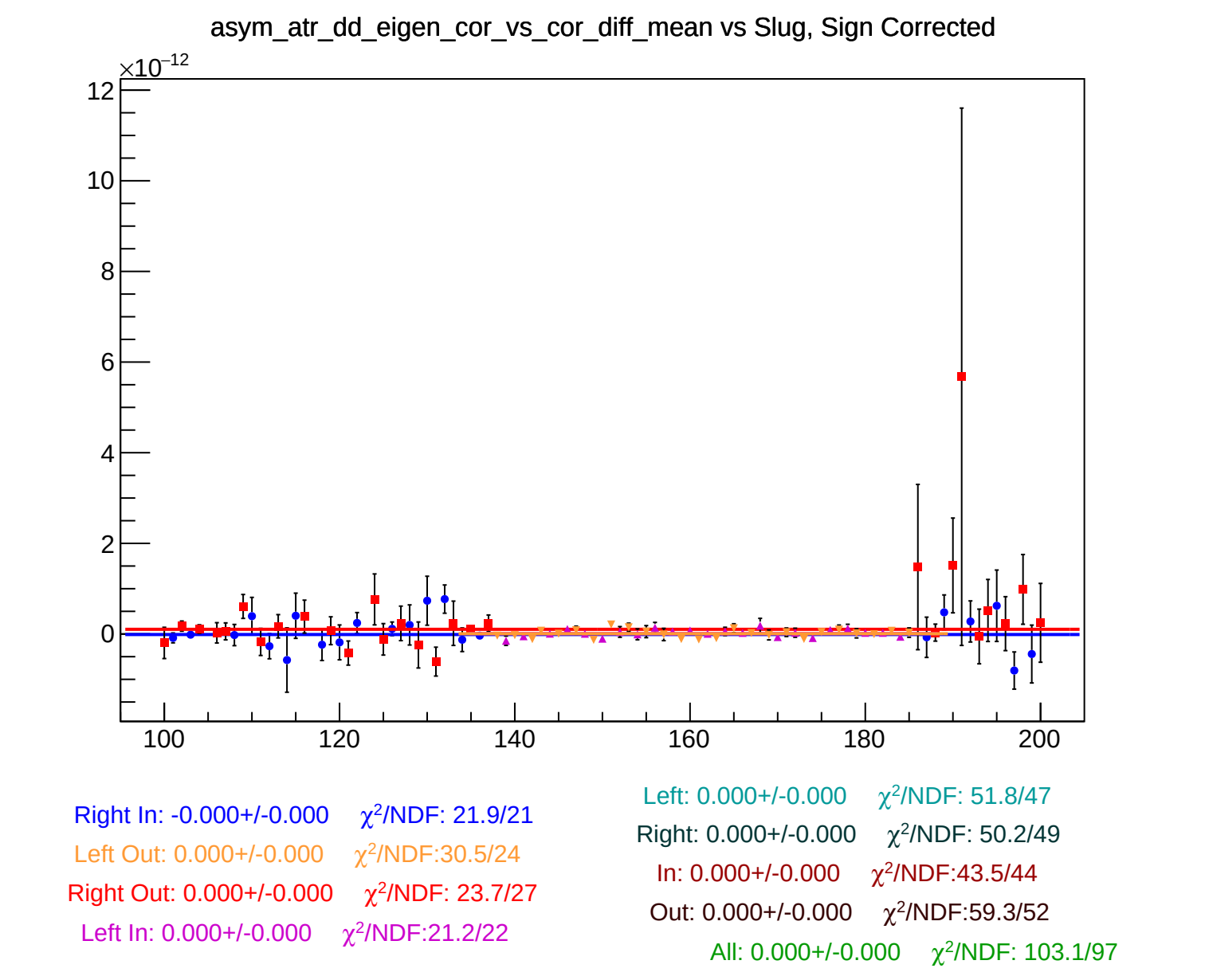
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 181.690+/-0.028 χ^2/NDF: 5107253.6/49

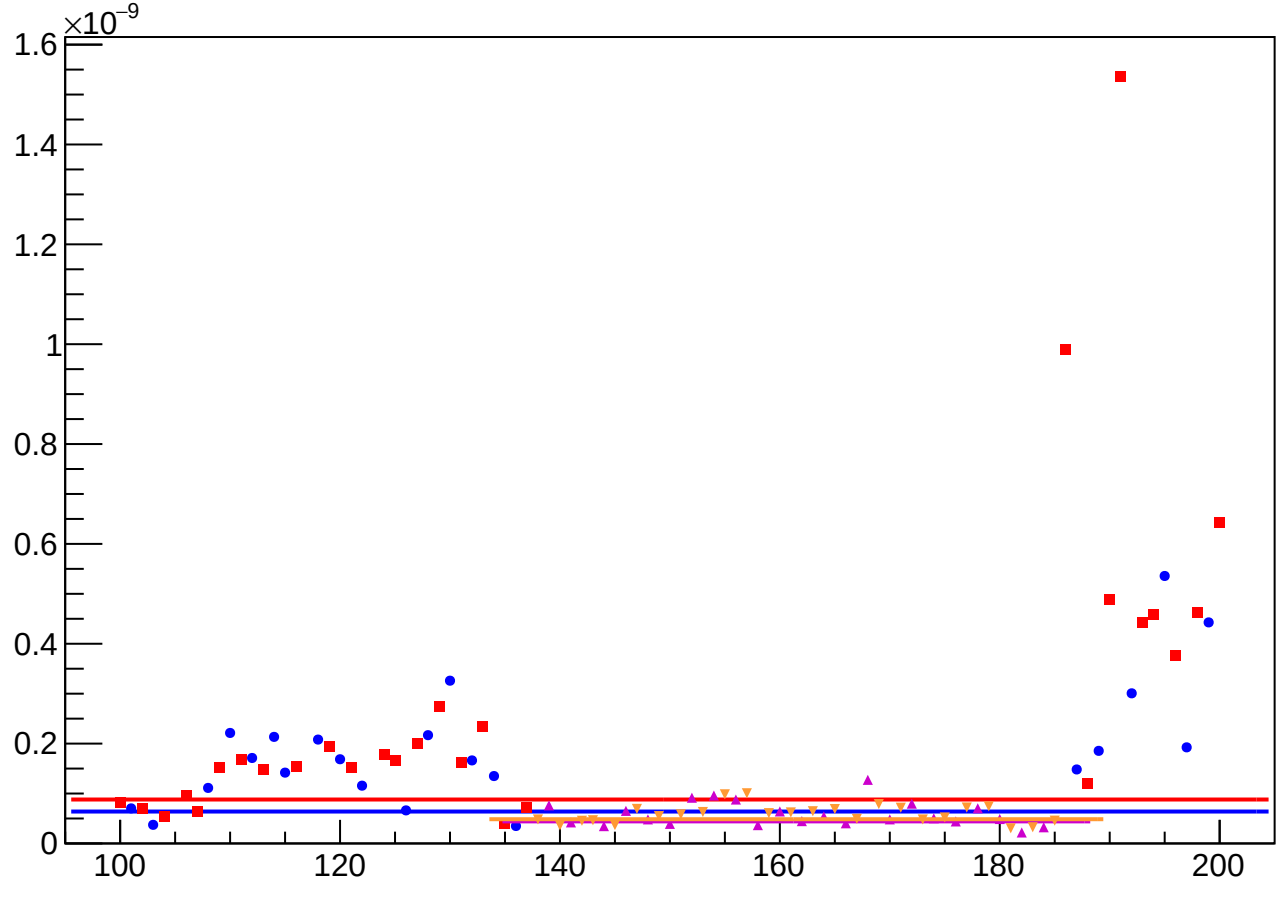
In: 223.134+/-0.031 χ^2/NDF:5132417.6/44

Out: 209.236+/-0.028 χ^2/NDF:8173707.5/52

All: 215.584+/-0.021 χ^2/NDF: 13414935.8/97


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.9/21
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/27
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 50.2/49
In: 0.000+/-0.000 χ²/NDF:43.5/44
Out: 0.000+/-0.000 χ²/NDF:59.3/52
All: 0.000+/-0.000 χ²/NDF: 103.1/97

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5818908.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6835932.7/27

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

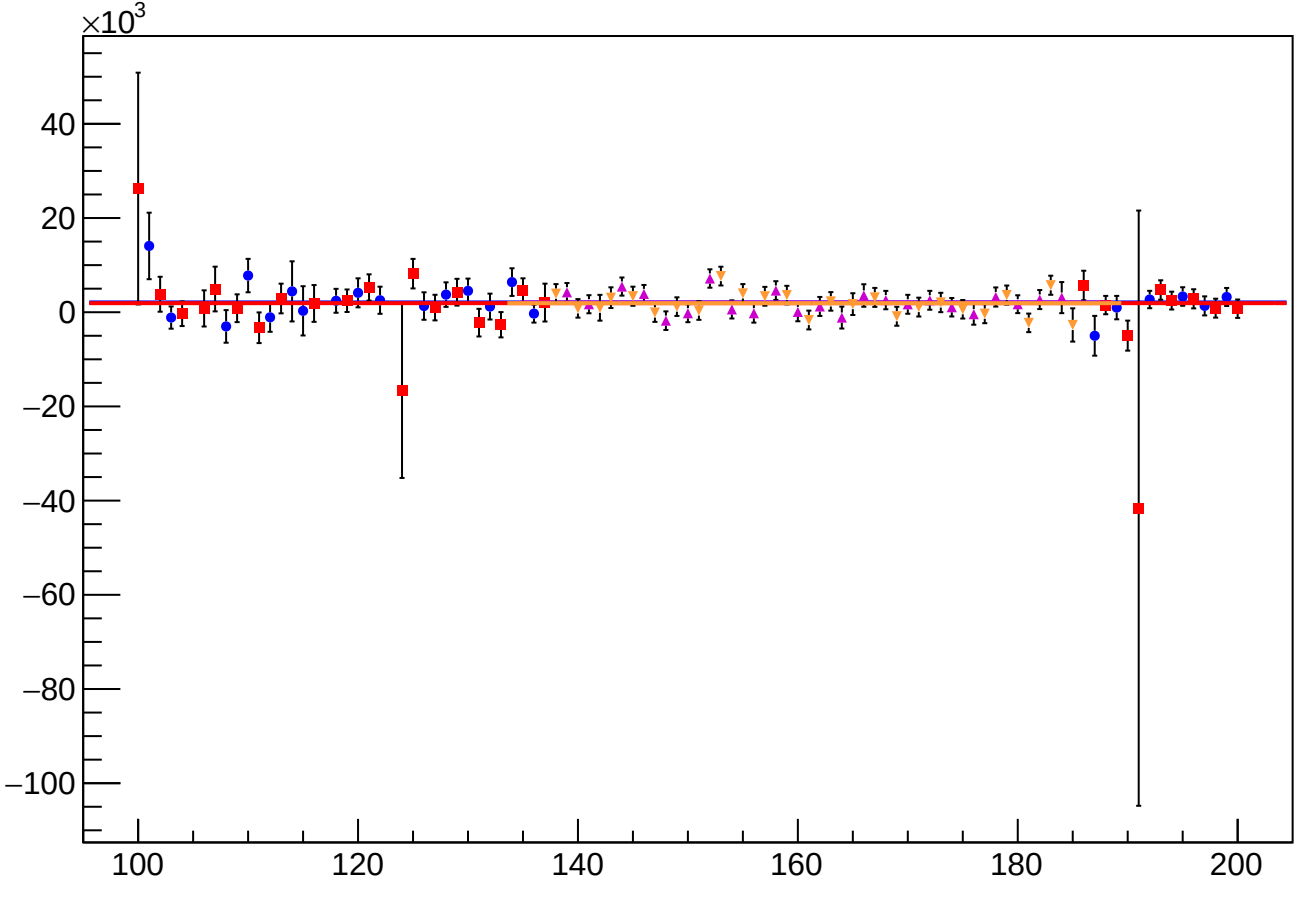
Right: 0.000+/-0.000 χ^2/NDF: 13060903.5/49

In: 0.000+/-0.000 χ^2/NDF:10001388.3/44

Out: 0.000+/-0.000 χ^2/NDF:11007424.9/52

All: 0.000+/-0.000 χ^2/NDF: 21213350.3/97

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2077.309+/-565.057 χ^2/NDF: 20.5/21

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

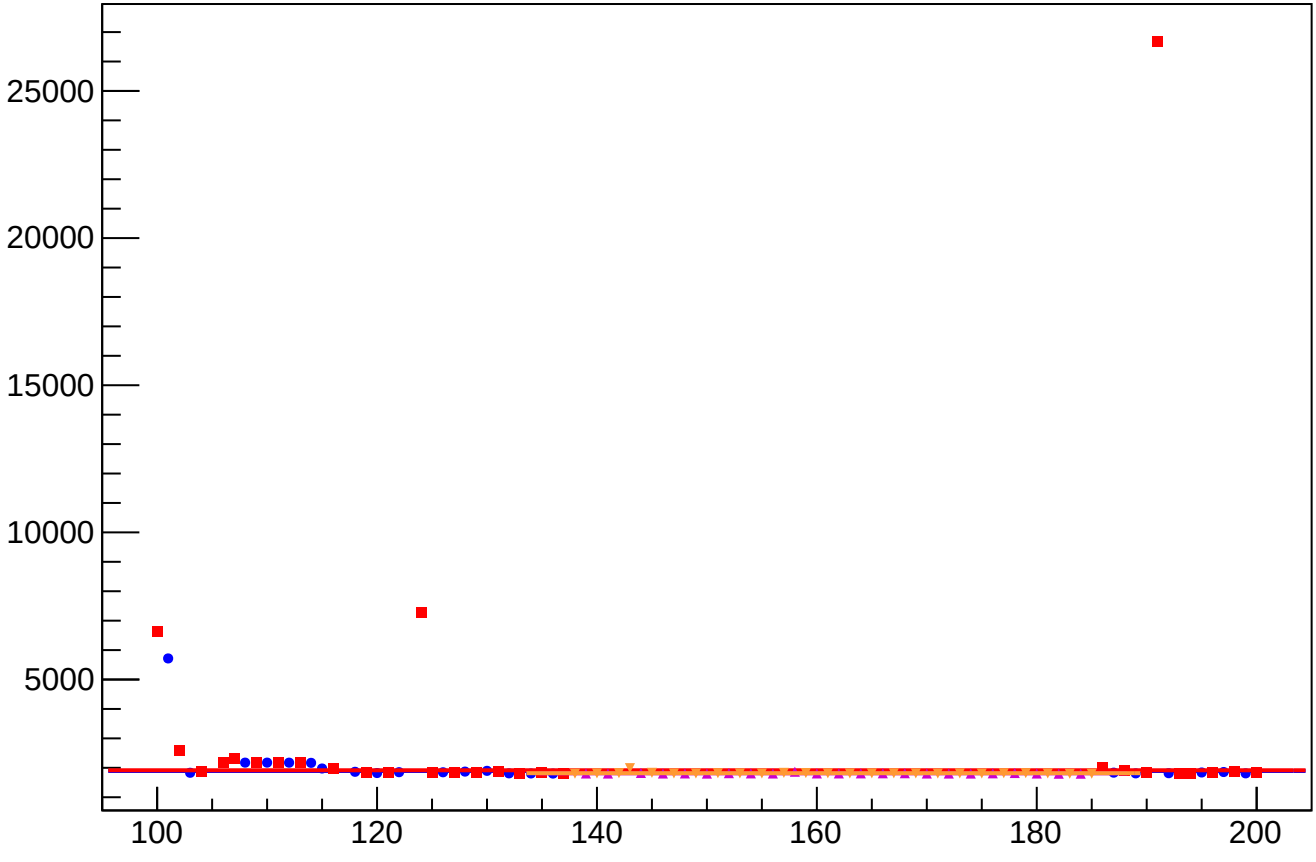
Right: 1994.659+/-386.196 χ^2/NDF: 48.4/49

In: 2075.321+/-338.732 χ^2/NDF:47.0/44

Out: 1921.223+/-325.507 χ^2/NDF:60.4/52

All: 1995.205+/-234.704 χ^2/NDF: 107.5/97

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

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

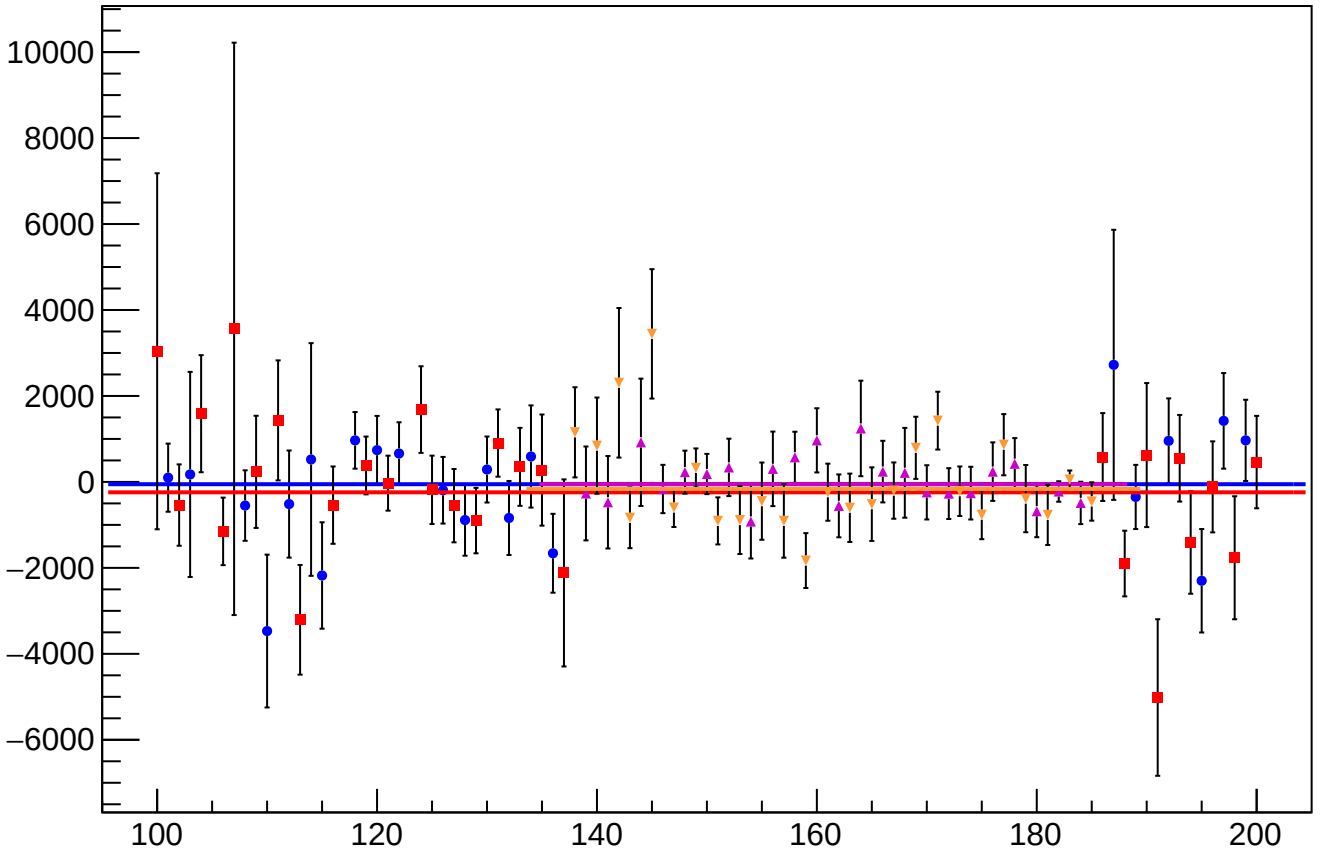
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1905.266+/-0.273 χ^2/NDF: 1381205.1/49

In: 1841.296+/-0.240 χ^2/NDF:684541.7/44

Out: 1854.958+/-0.230 χ^2/NDF:778841.8/52

All: 1848.399+/-0.166 χ^2/NDF: 1465074.9/97



Right In: -53.508+/-202.563 χ^2/NDF: 25.4/21

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

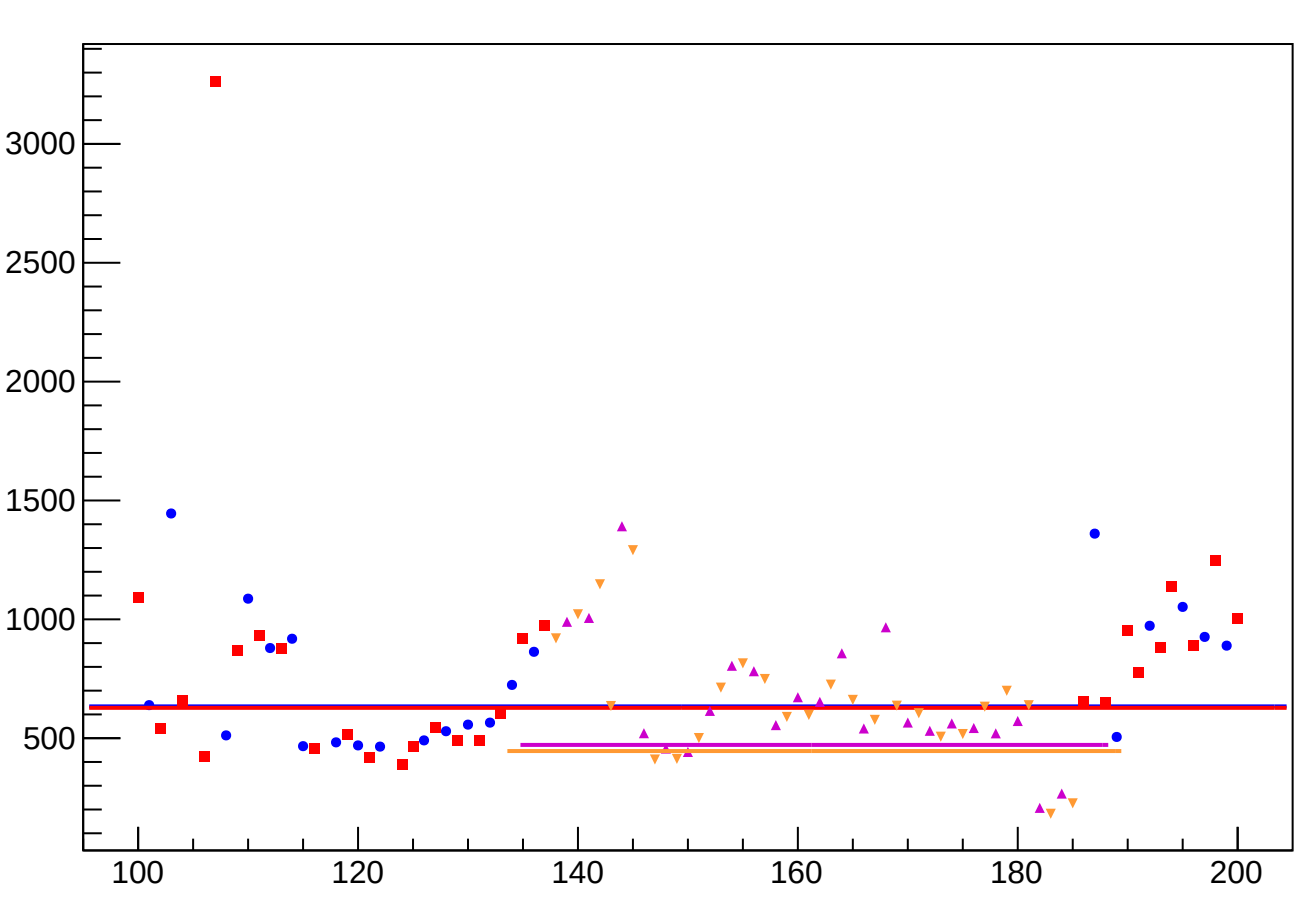
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -153.660+/-138.781 χ^2/NDF: 61.8/49

In: -50.422+/-104.942 χ^2/NDF:36.8/44

Out: -184.242+/-98.640 χ^2/NDF:72.9/52

All: -121.471+/-71.874 χ^2/NDF: 110.5/97



Right In: 633.791+/-0.143 χ^2/NDF: 2037962.6/21

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

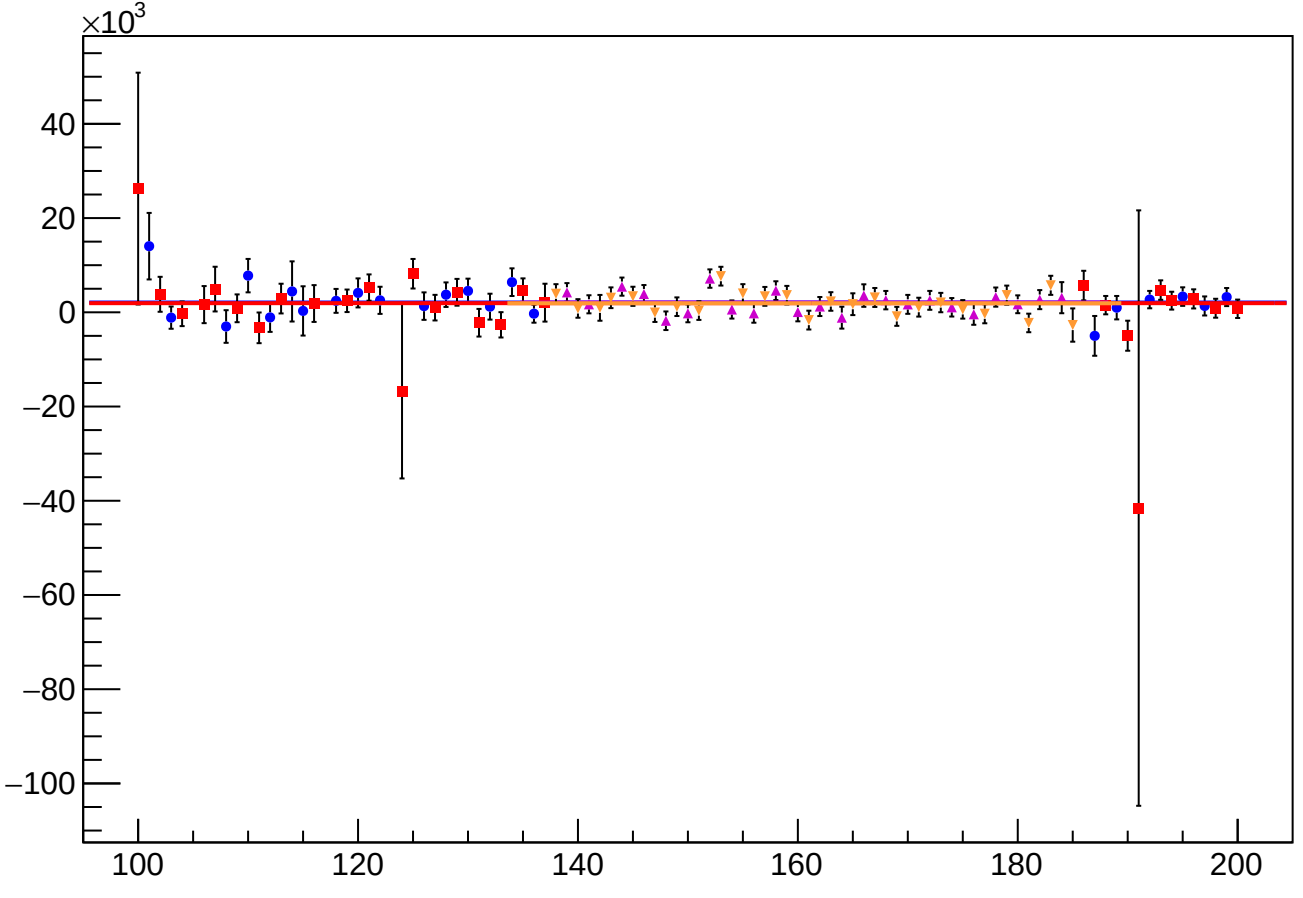
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 630.585+/-0.098 χ^2/NDF: 4926218.7/49

In: 515.238+/-0.074 χ^2/NDF:9388261.2/44

Out: 494.640+/-0.070 χ^2/NDF:12203532.0/52

All: 504.302+/-0.051 χ^2/NDF: 21632704.8/97



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

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

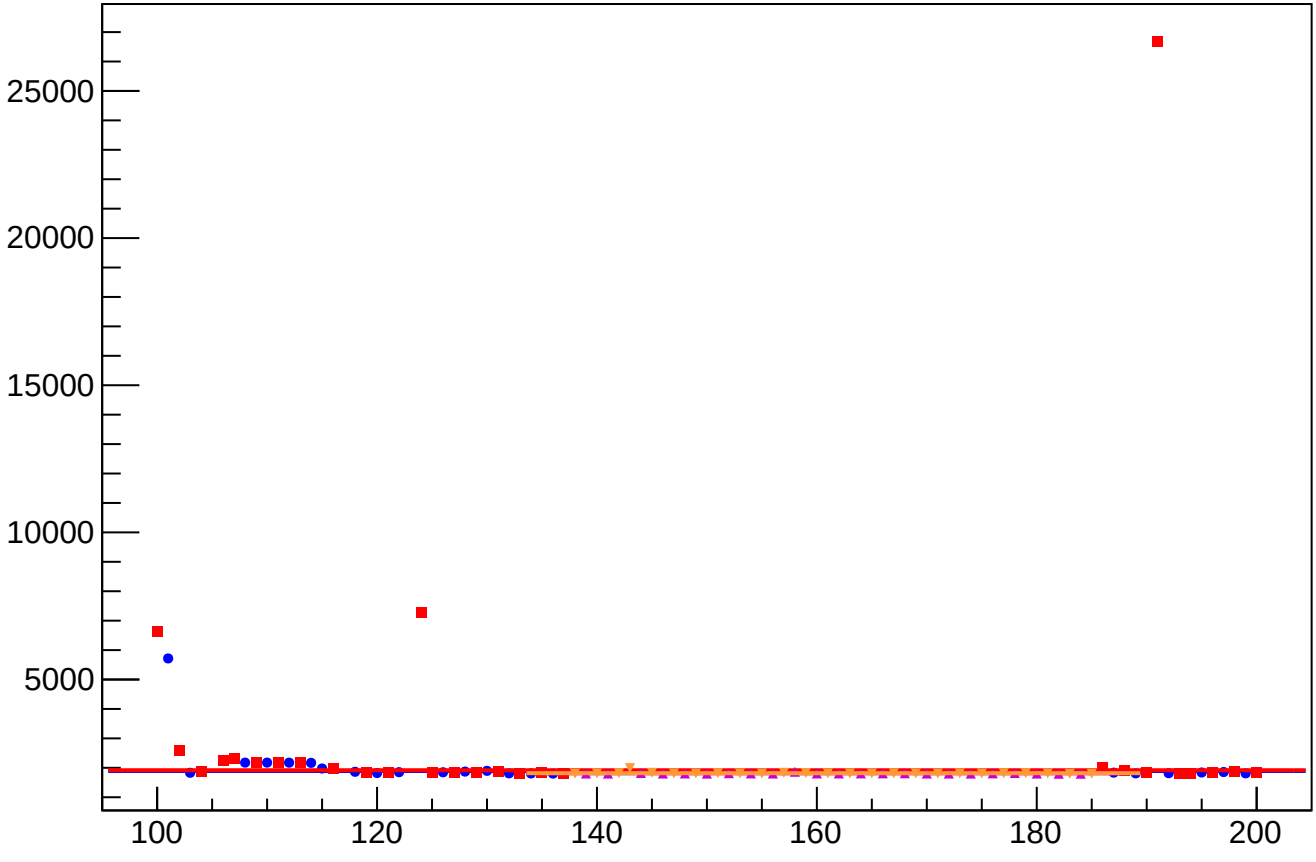
Right: 2003.149+/-386.289 χ^2/NDF: 48.3/49

In: 2075.331+/-338.732 χ^2/NDF:47.0/44

Out: 1927.256+/-325.563 χ^2/NDF:60.4/52

All: 1998.359+/-234.725 χ^2/NDF: 107.4/97

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

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

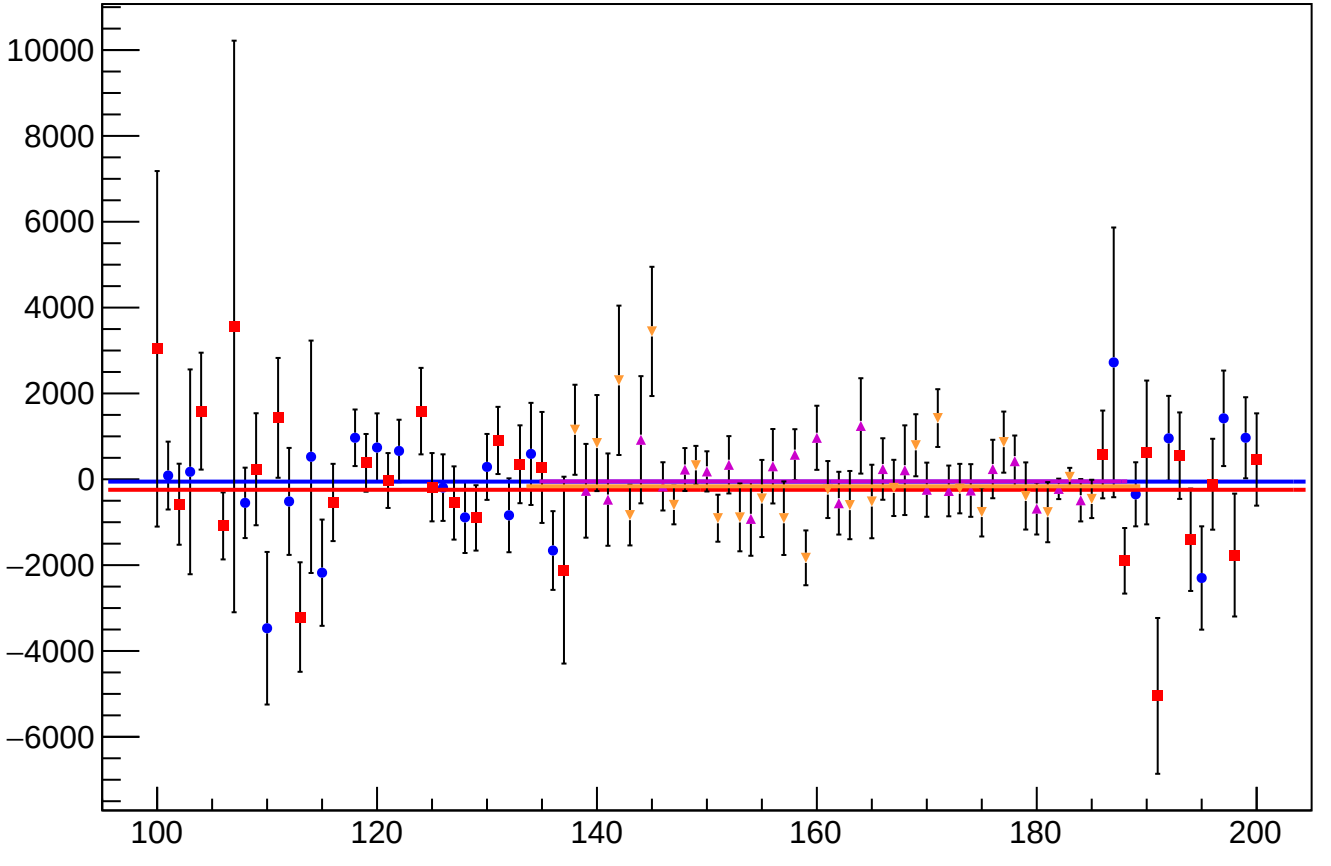
Right: 1905.616+/-0.273 χ^2/NDF: 1384767.2/49

In: 1841.296+/-0.240 χ^2/NDF:684541.6/44

Out: 1855.190+/-0.230 χ^2/NDF:782860.1/52

All: 1848.518+/-0.166 χ^2/NDF: 1469150.7/97

asym_at1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

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

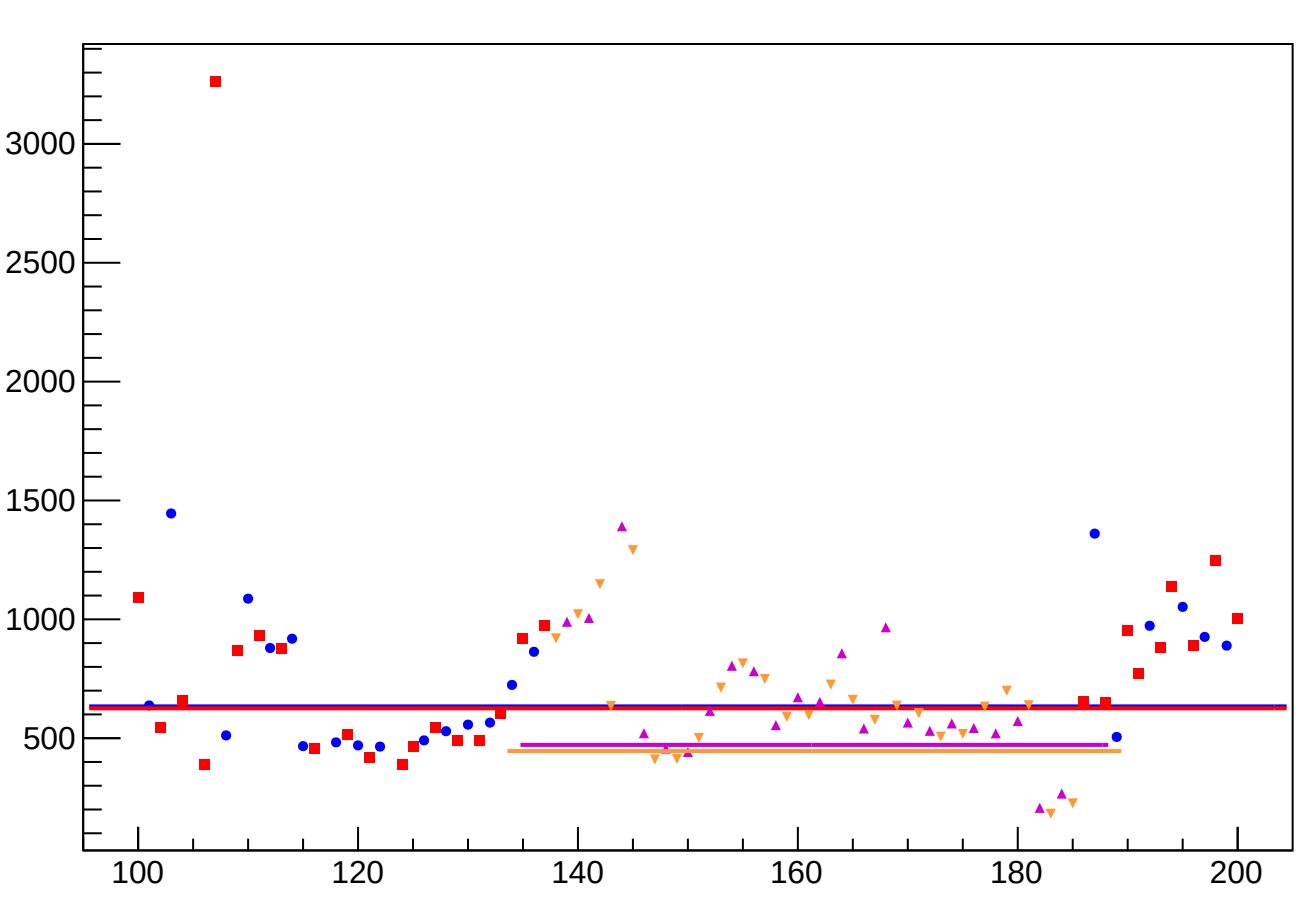
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -155.329+/-138.734 χ^2/NDF: 61.4/49

In: -50.610+/-104.939 χ^2/NDF:36.7/44

Out: -184.869+/-98.624 χ^2/NDF:72.5/52

All: -121.901+/-71.867 χ^2/NDF: 110.2/97



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

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

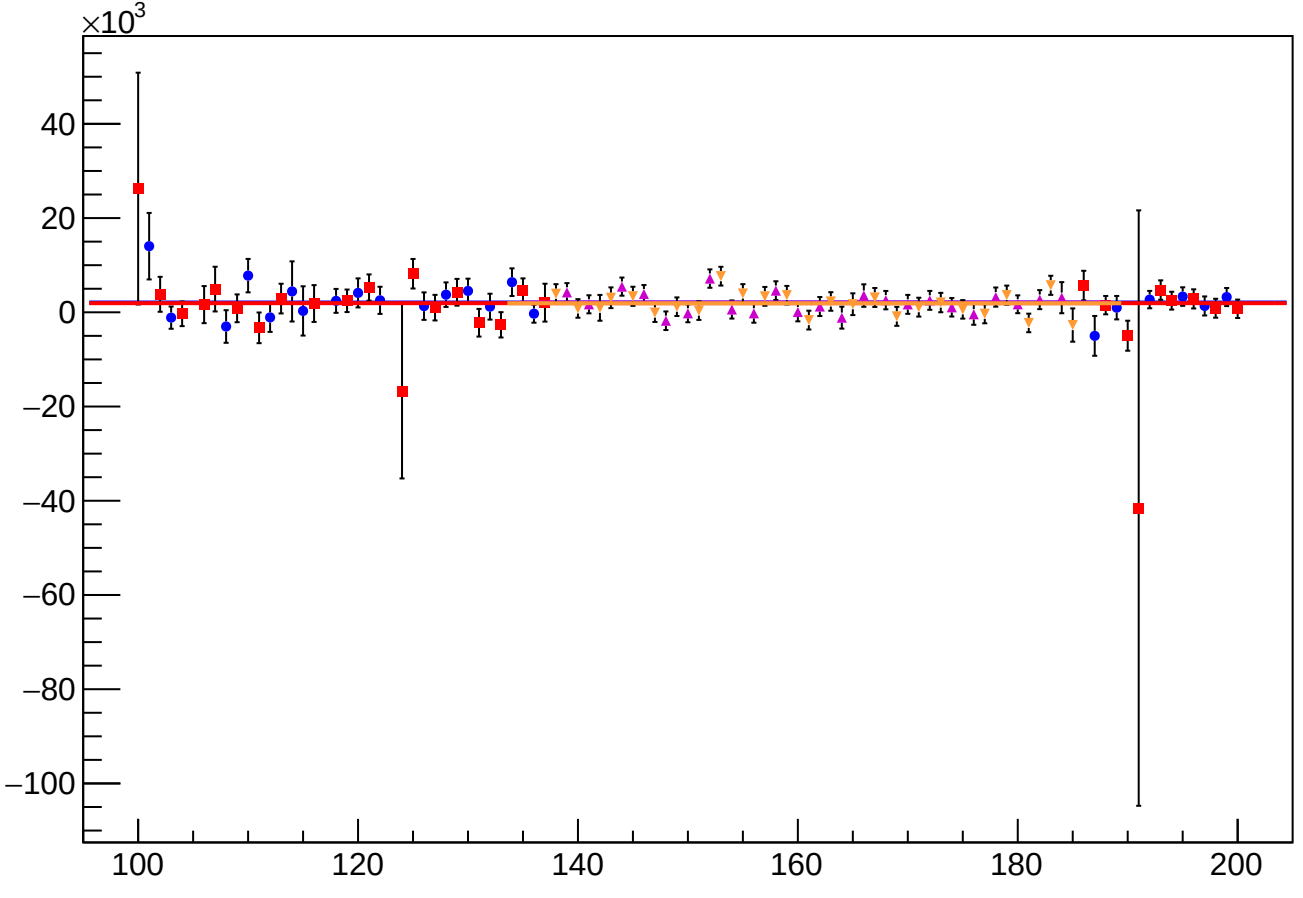
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 629.478+/-0.098 χ^2/NDF: 4975686.1/49

In: 515.235+/-0.074 χ^2/NDF:9387134.2/44

Out: 494.116+/-0.070 χ^2/NDF:12225777.8/52

All: 504.021+/-0.051 χ^2/NDF: 21655925.1/97



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

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

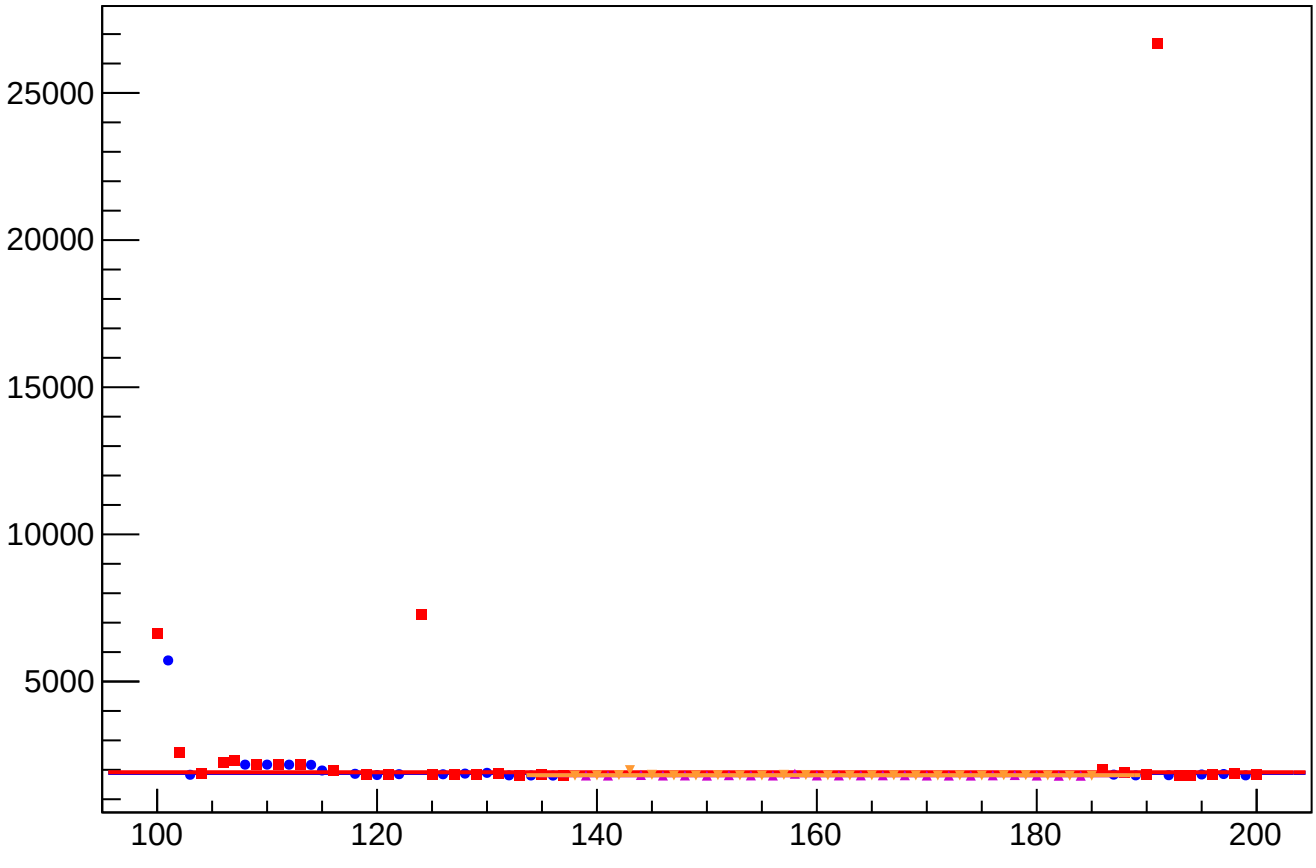
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2003.149+/-386.289 χ^2/NDF: 48.3/49

In: 2075.331+/-338.732 χ^2/NDF:47.0/44

Out: 1927.256+/-325.563 χ^2/NDF:60.4/52

All: 1998.359+/-234.725 χ^2/NDF: 107.4/97



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

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

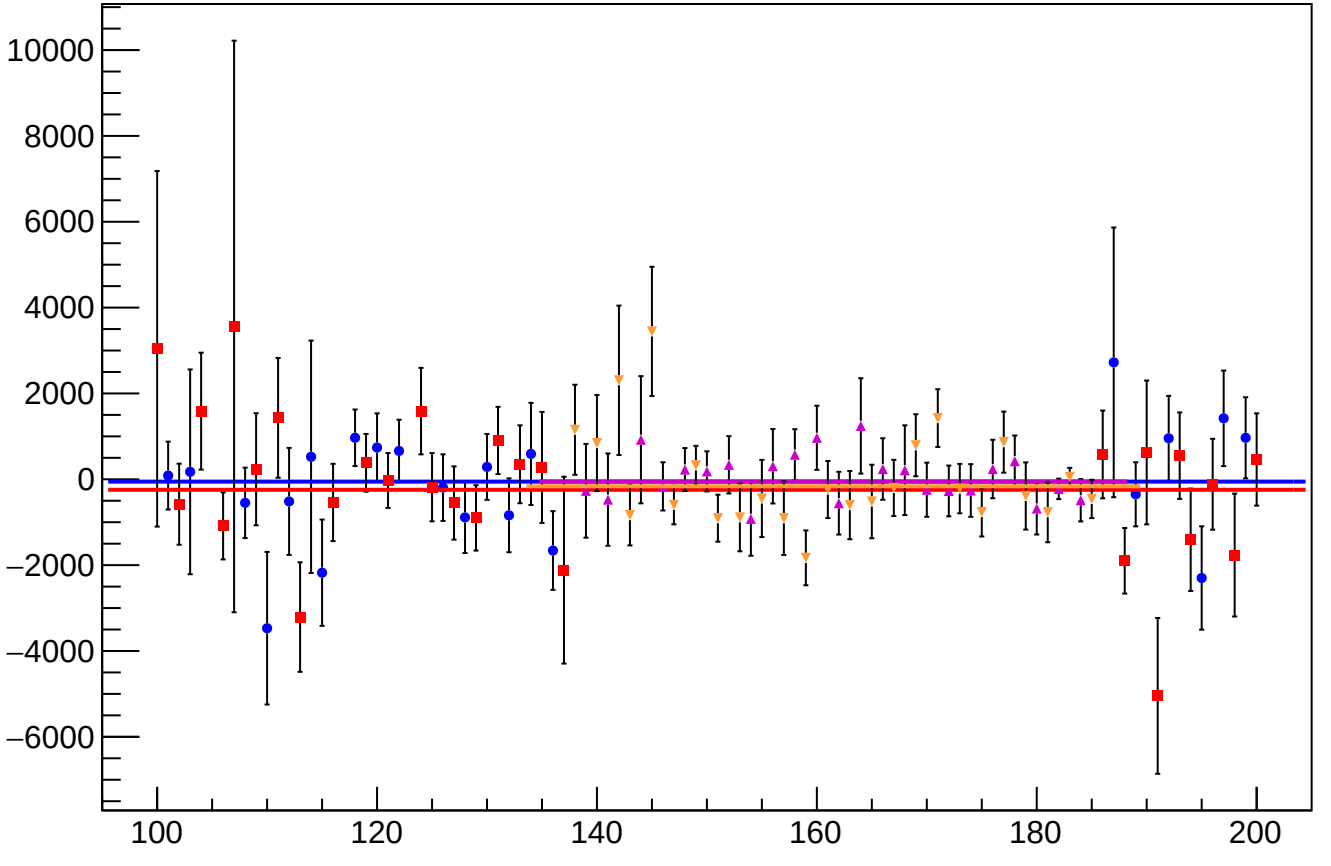
Right: 1905.616+/-0.273 χ^2/NDF: 1384767.2/49

In: 1841.296+/-0.240 χ^2/NDF:684541.6/44

Out: 1855.190+/-0.230 χ^2/NDF:782860.1/52

All: 1848.518+/-0.166 χ^2/NDF: 1469150.7/97

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

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

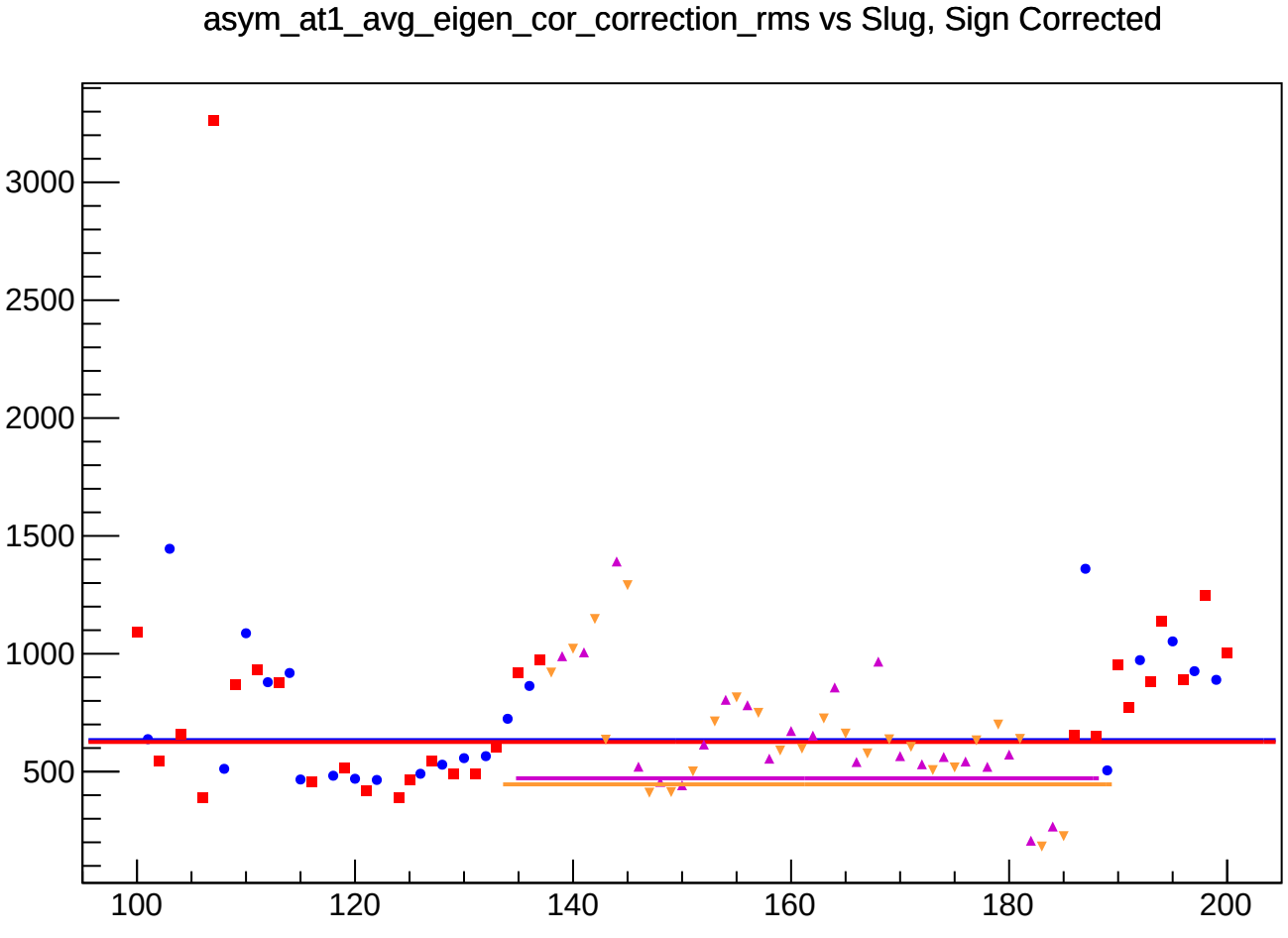
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

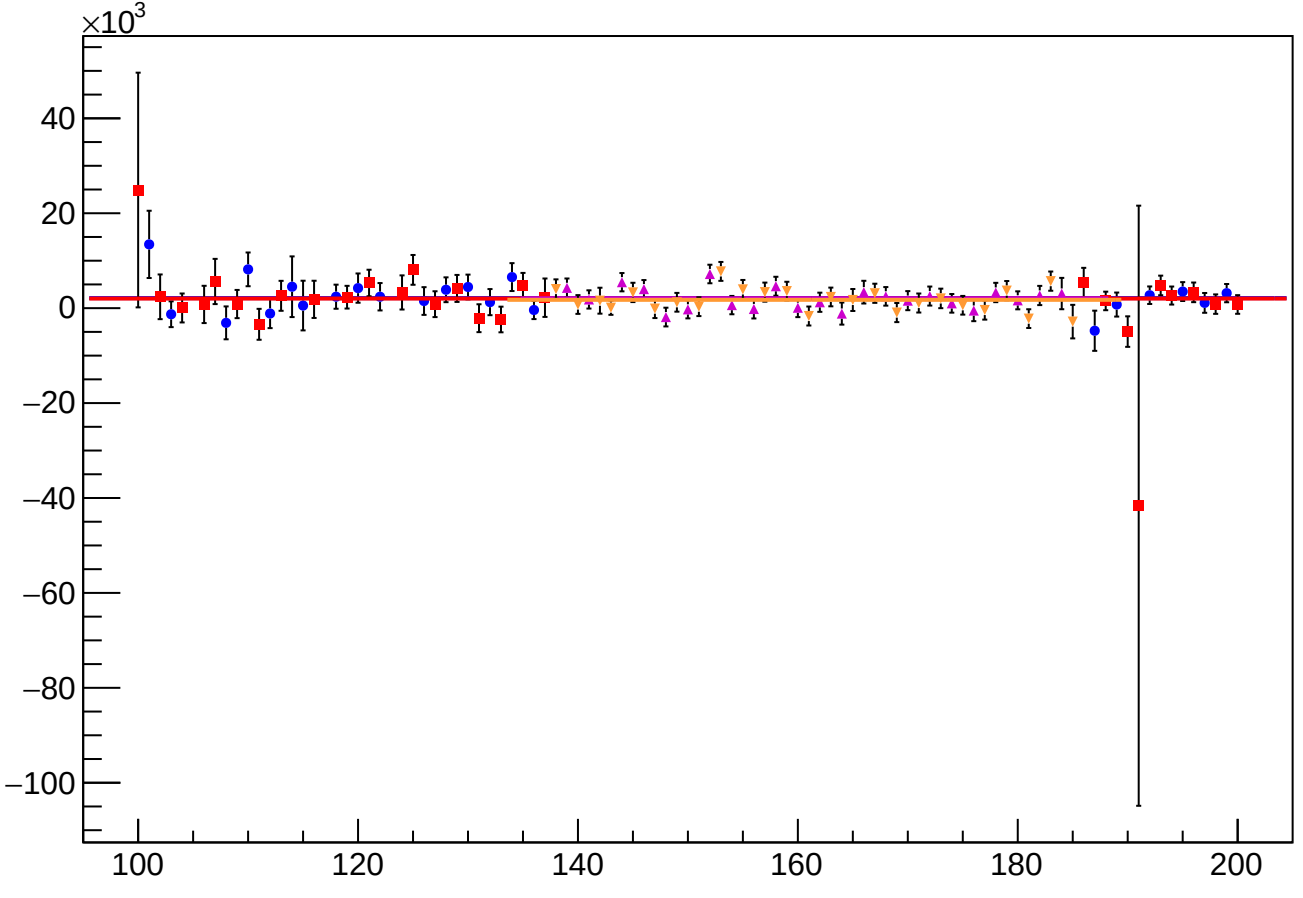
Right: -155.329+/-138.734 χ^2/NDF: 61.4/49

In: -50.610+/-104.939 χ^2/NDF:36.7/44

Out: -184.869+/-98.624 χ^2/NDF:72.5/52

All: -121.901+/-71.867 χ^2/NDF: 110.2/97


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 633.704+/-0.143 χ²/NDF: 2037989.3/21
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 625.743+/-0.135 χ²/NDF: 2936056.5/27
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 629.478+/-0.098 χ²/NDF: 4975686.1/49
In: 515.235+/-0.074 χ²/NDF:9387134.2/44
Out: 494.116+/-0.070 χ²/NDF:12225777.8/52
All: 504.021+/-0.051 χ²/NDF: 21655925.1/97



Right In: 2119.295+/-572.204 χ^2/NDF: 20.6/21

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

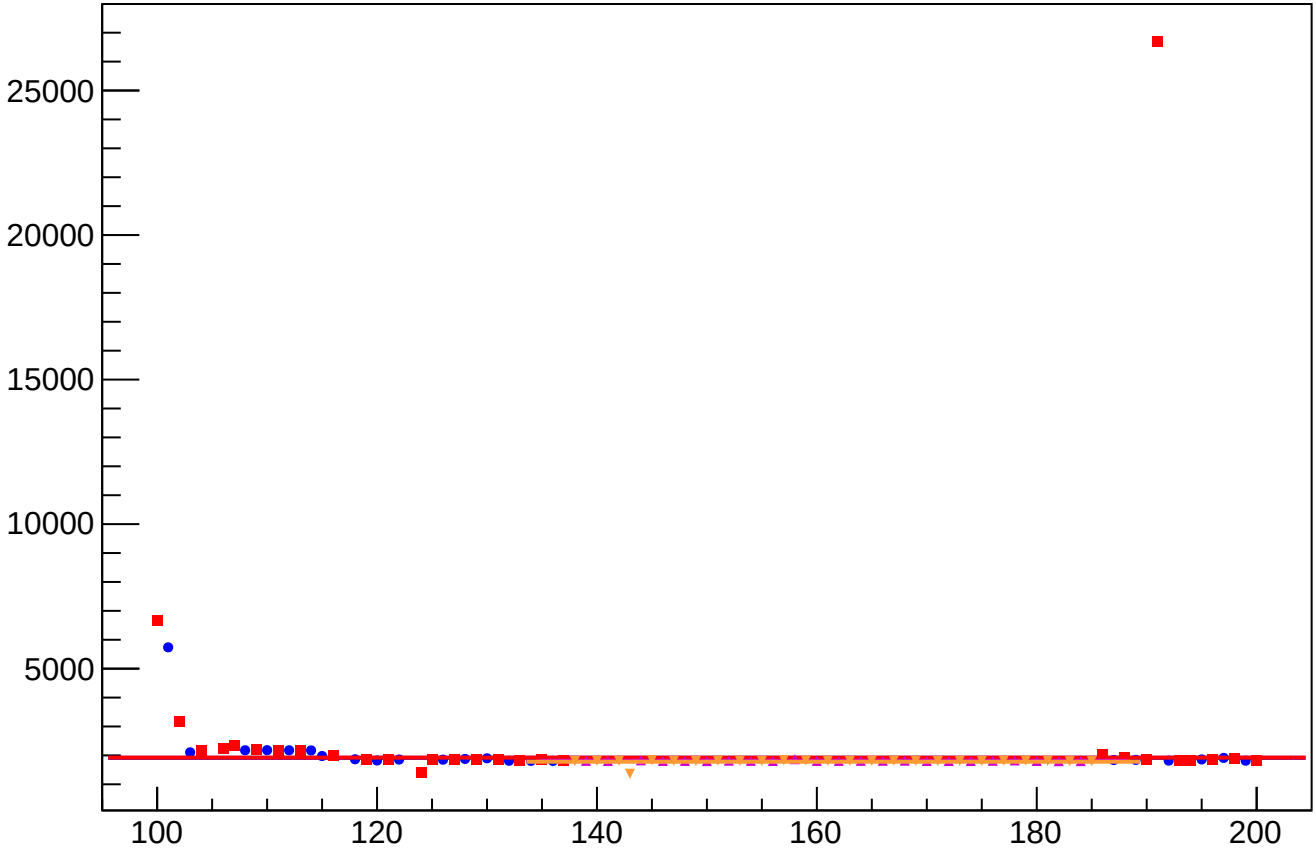
Right: 2069.253+/-389.324 χ^2/NDF: 46.7/49

In: 2089.676+/-340.484 χ^2/NDF:47.6/44

Out: 1855.089+/-322.282 χ^2/NDF:60.1/52

All: 1965.945+/-234.058 χ^2/NDF: 107.9/97

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.5/21

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

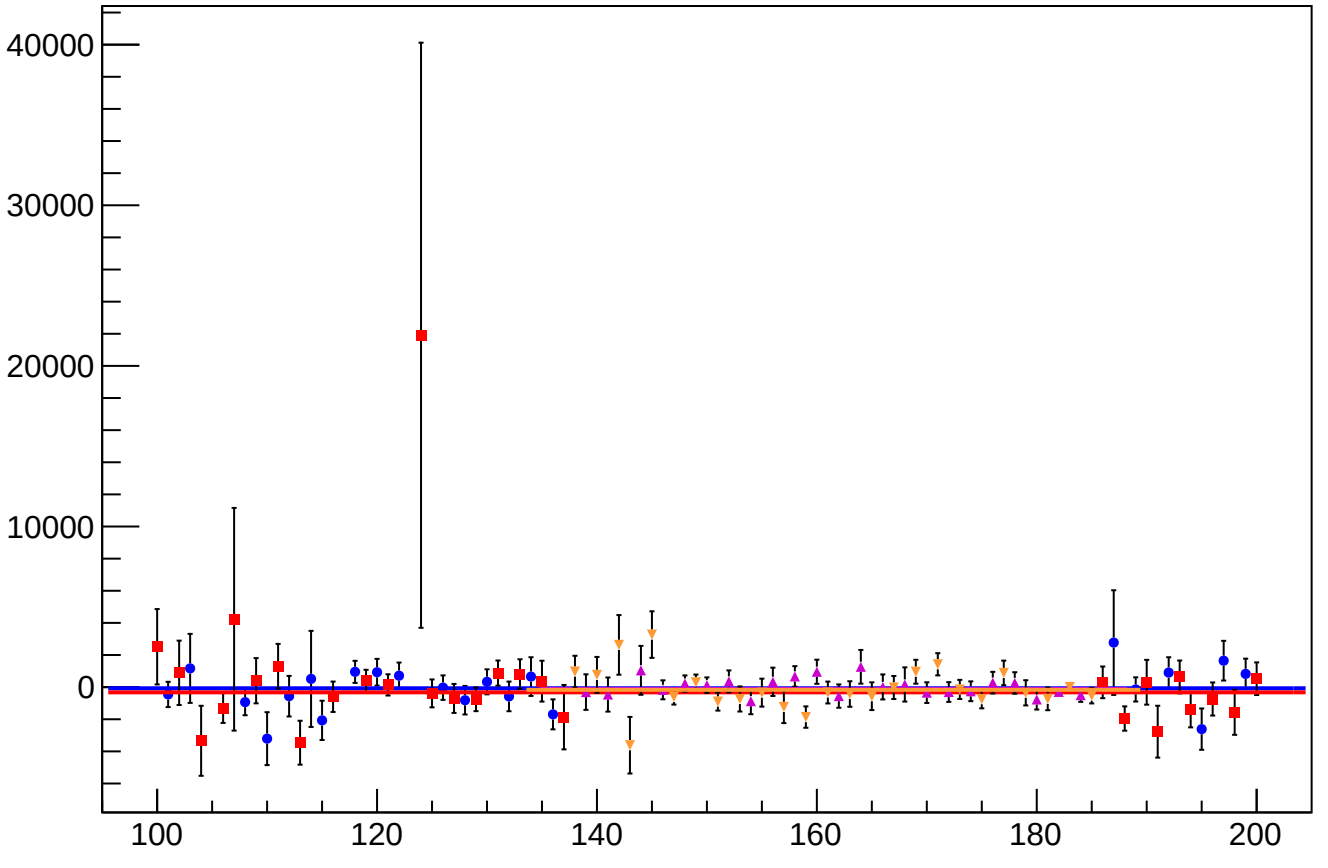
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1919.543+/-0.275 χ^2/NDF: 1346178.4/49

In: 1850.365+/-0.241 χ^2/NDF:705700.8/44

Out: 1833.084+/-0.228 χ^2/NDF:937989.9/52

All: 1841.250+/-0.166 χ^2/NDF: 1646408.2/97



Right In: -70.292+/-207.888 χ^2/NDF: 26.0/21

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

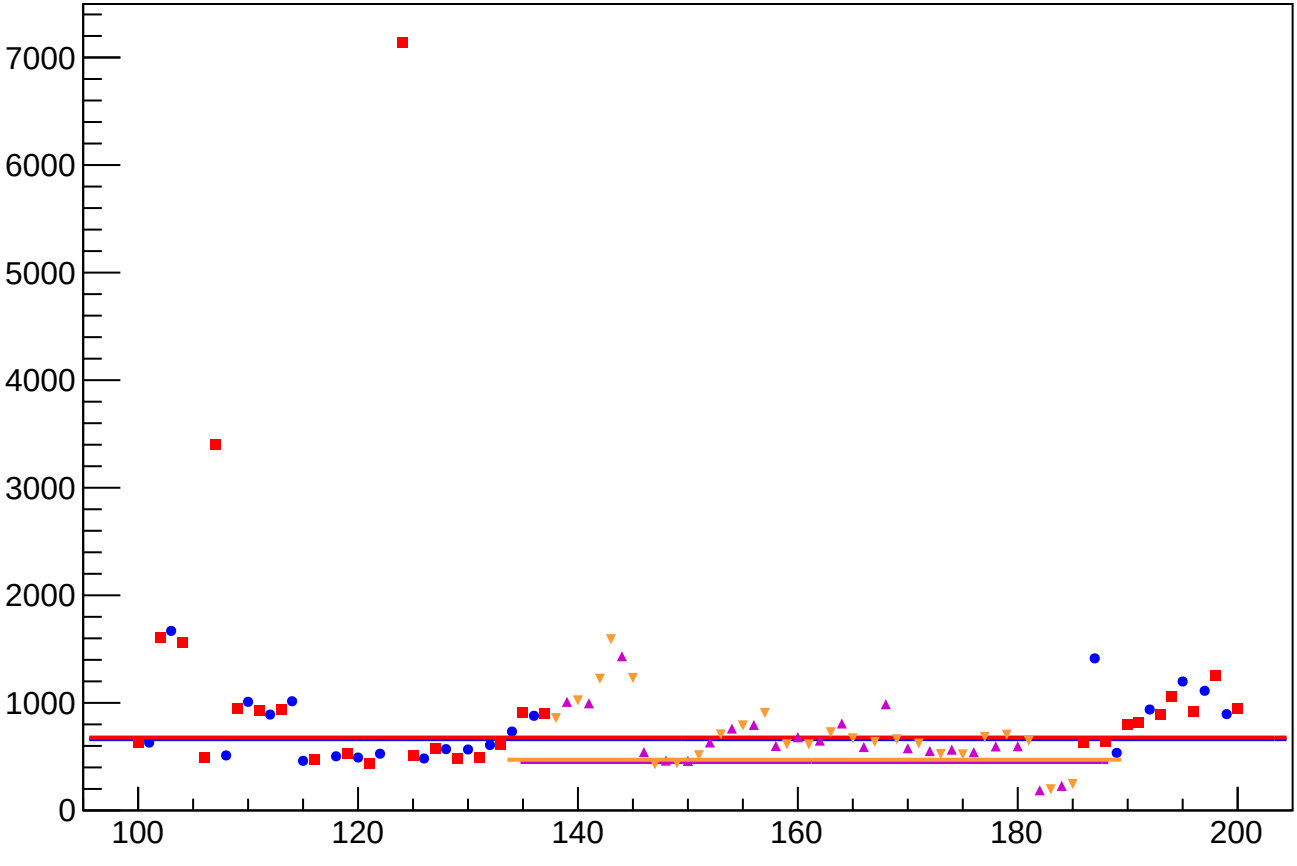
Right: -201.578+/-144.395 χ^2/NDF: 58.4/49

In: -105.518+/-103.780 χ^2/NDF:38.3/44

Out: -209.821+/-104.020 χ^2/NDF:70.4/52

All: -157.549+/-73.468 χ^2/NDF: 109.2/97

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.936+/-0.147 χ^2/NDF: 2341872.5/21

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

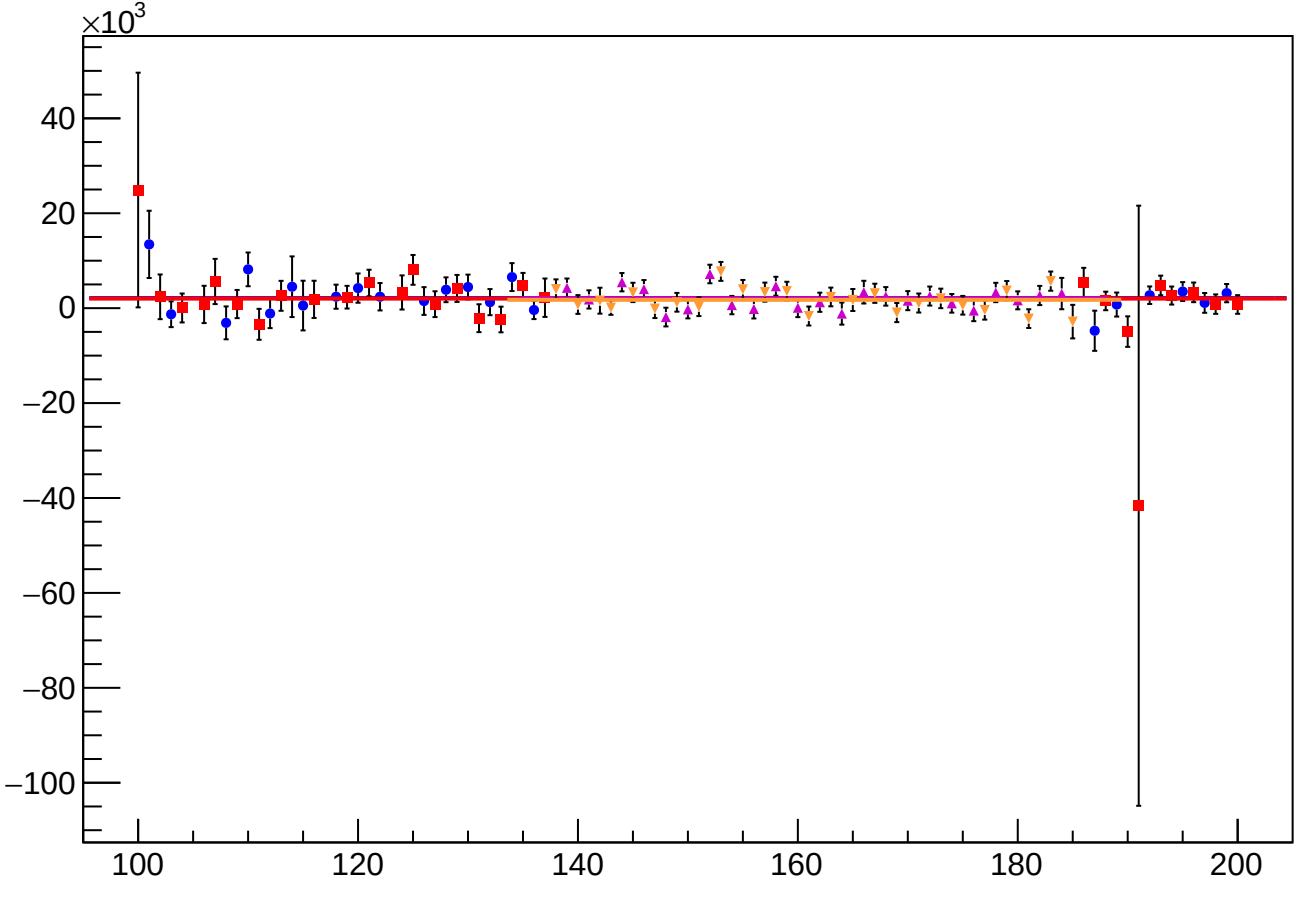
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 670.582+/-0.102 χ^2/NDF: 5833861.5/49

In: 503.556+/-0.073 χ^2/NDF:11835967.3/44

Out: 527.088+/-0.074 χ^2/NDF:13139331.0/52

All: 515.294+/-0.052 χ^2/NDF: 25026594.5/97



Right In: 2119.294+/-572.204 χ^2/NDF: 20.6/21

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

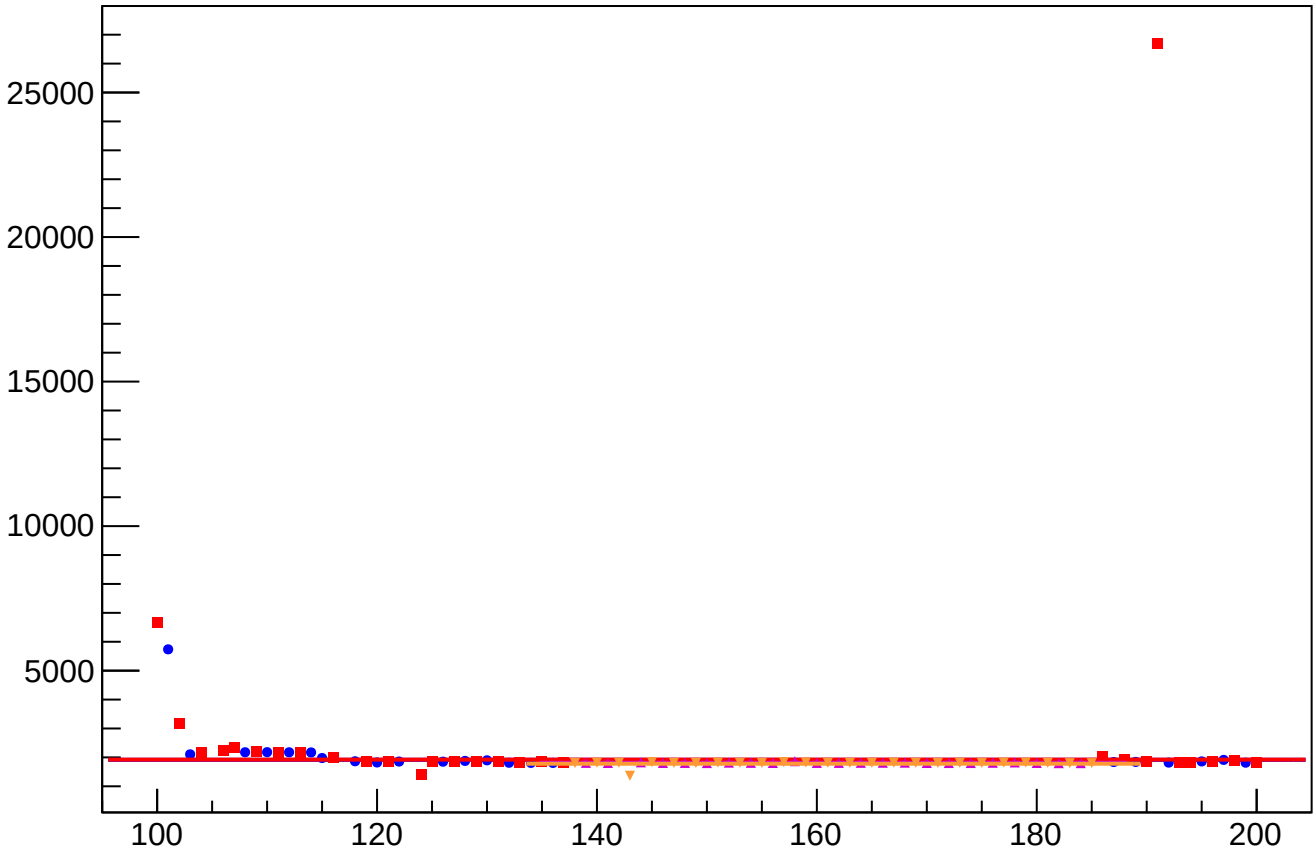
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2069.251+/-389.324 χ^2/NDF: 46.7/49

In: 2089.676+/-340.484 χ^2/NDF:47.6/44

Out: 1855.089+/-322.282 χ^2/NDF:60.1/52

All: 1965.944+/-234.058 χ^2/NDF: 107.9/97



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.1/21

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

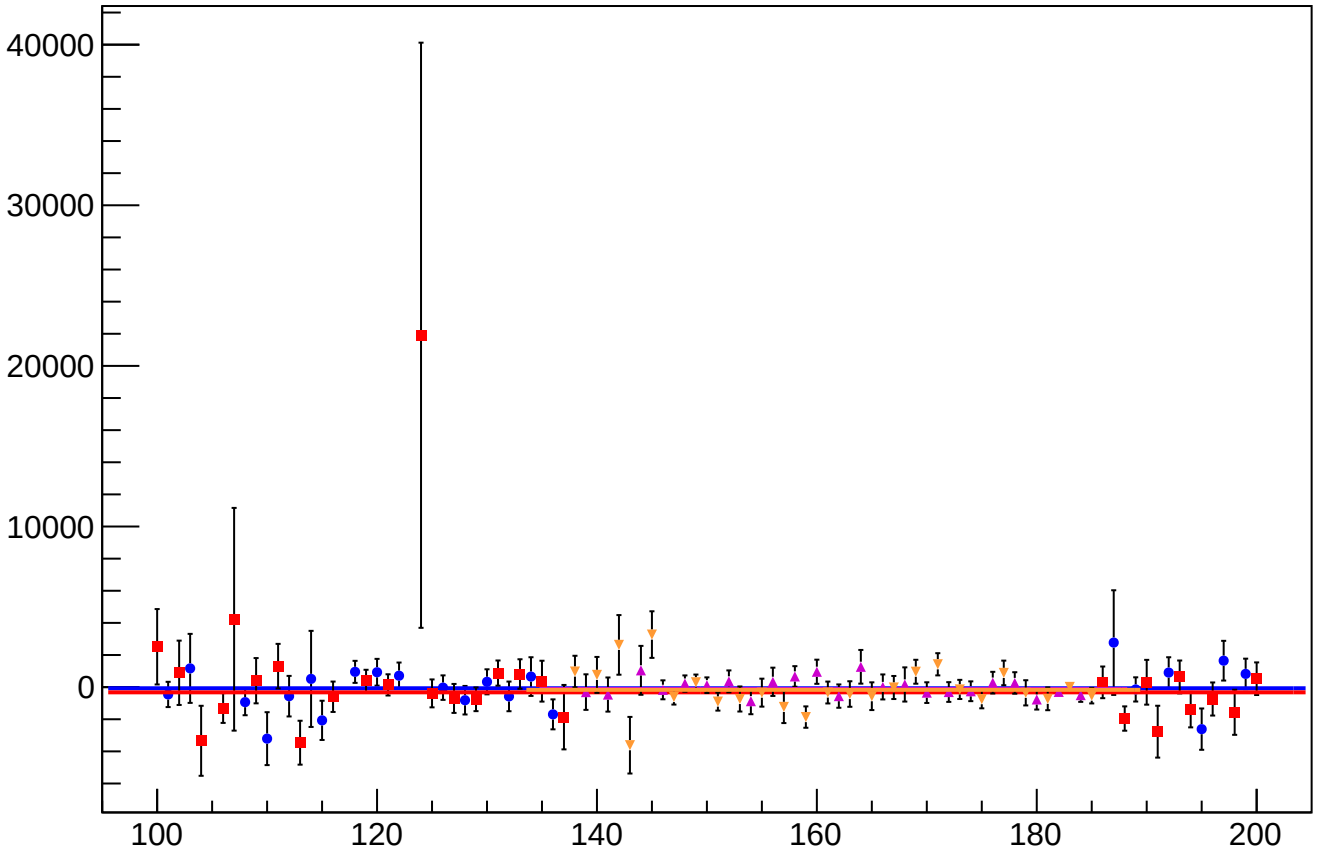
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1919.543+/-0.275 χ^2/NDF: 1346176.7/49

In: 1850.365+/-0.241 χ^2/NDF:705700.4/44

Out: 1833.084+/-0.228 χ^2/NDF:937988.4/52

All: 1841.250+/-0.166 χ^2/NDF: 1646406.2/97



Right In: -70.293+/-207.888 χ^2/NDF: 26.0/21

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

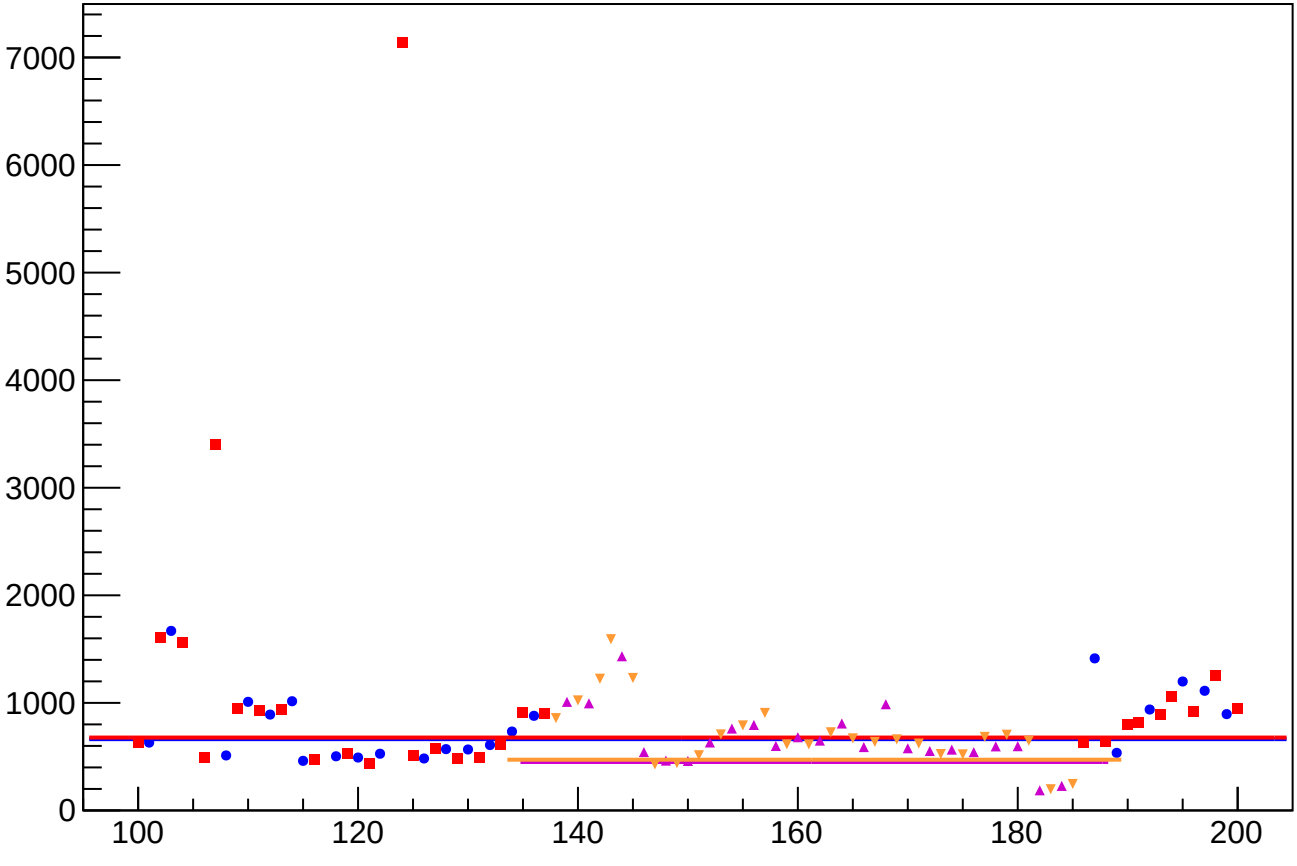
Right: -201.578+/-144.395 χ^2/NDF: 58.4/49

In: -105.519+/-103.780 χ^2/NDF:38.3/44

Out: -209.822+/-104.020 χ^2/NDF:70.4/52

All: -157.550+/-73.468 χ^2/NDF: 109.2/97

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.936+/-0.147 χ^2/NDF: 2341887.9/21

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

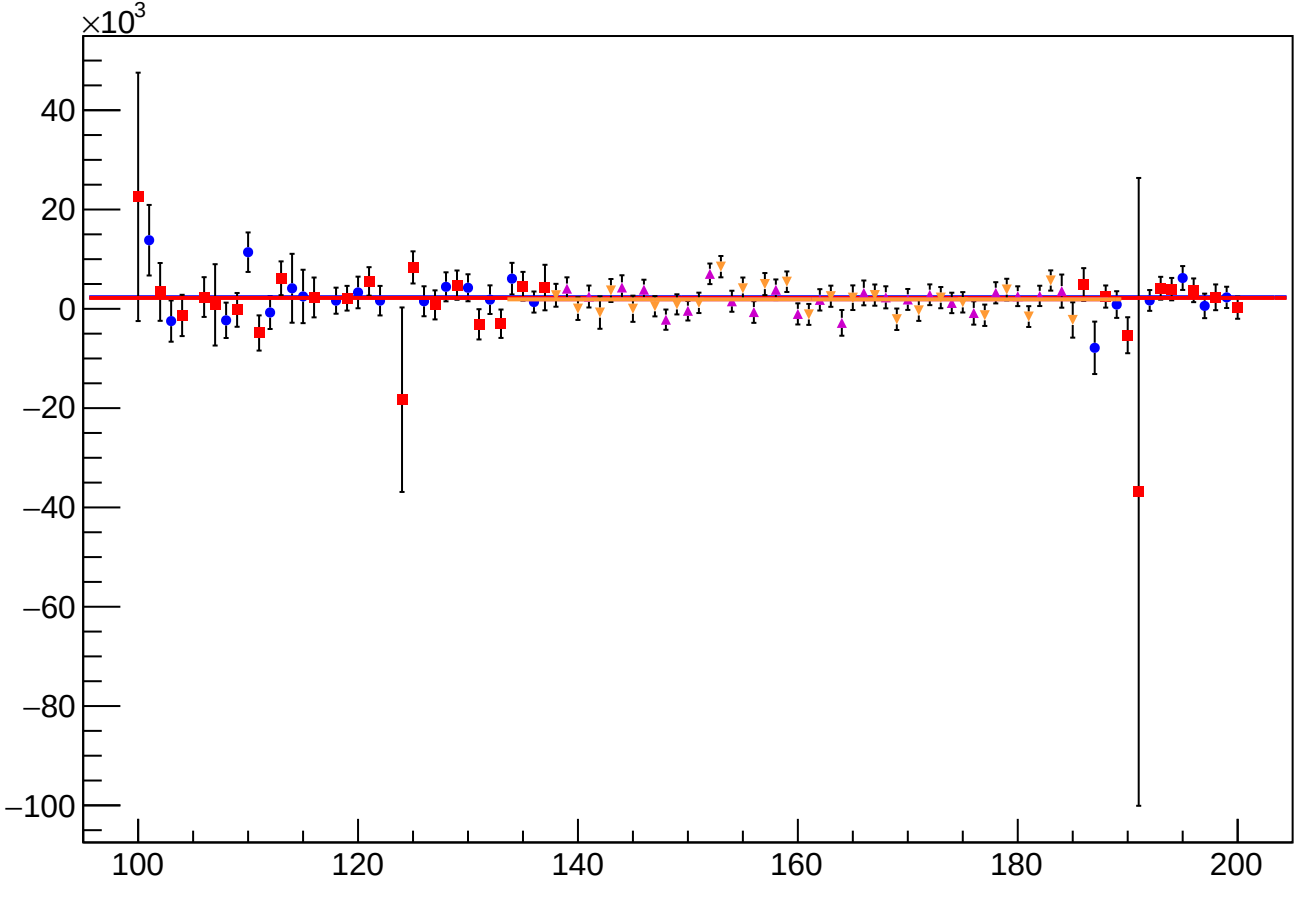
Right: 670.582+/-0.102 χ^2/NDF: 5833895.3/49

In: 503.556+/-0.073 χ^2/NDF:11835943.3/44

Out: 527.088+/-0.074 χ^2/NDF:13139329.4/52

All: 515.295+/-0.052 χ^2/NDF: 25026568.0/97

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2336.631+/-634.603 χ^2/NDF: 21.9/21

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

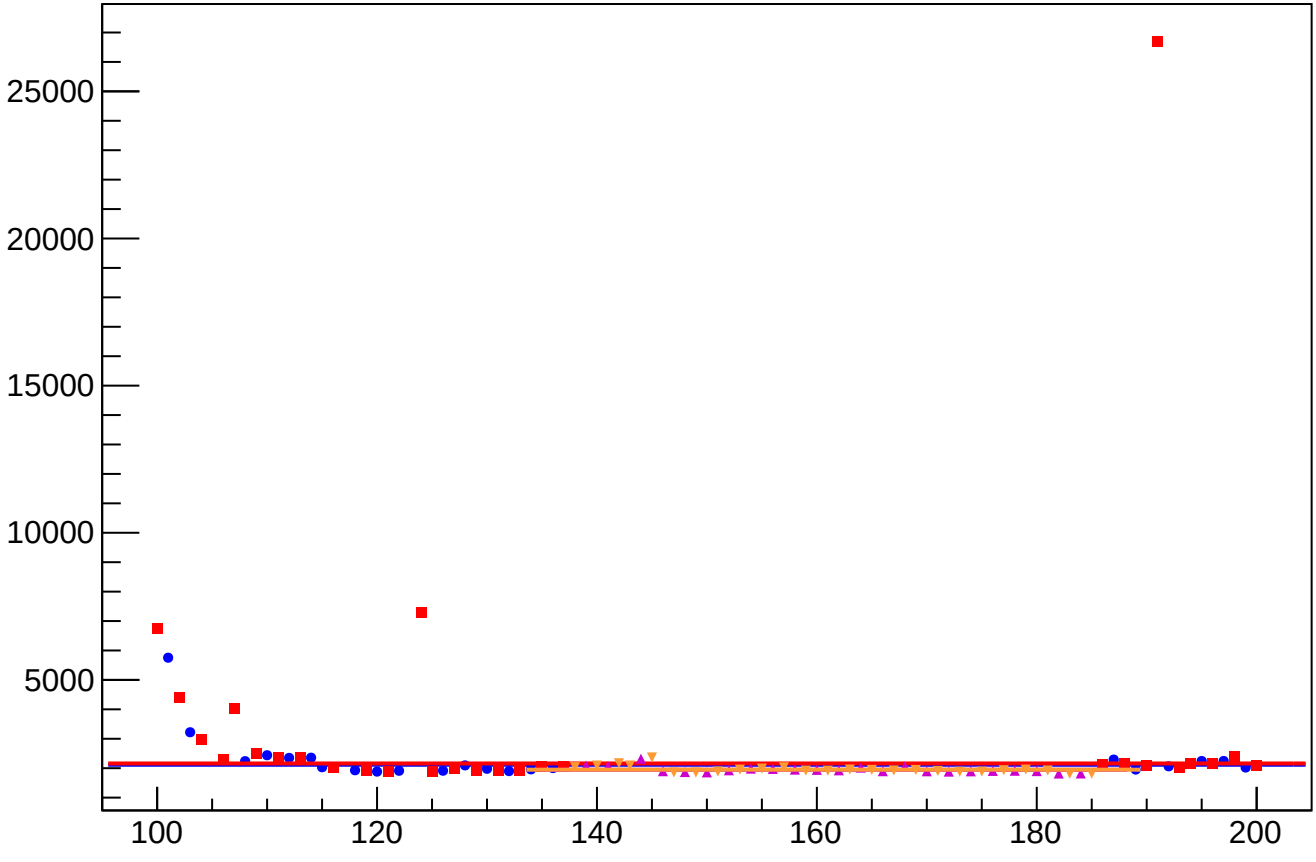
Right: 2260.366+/-436.288 χ^2/NDF: 51.5/49

In: 2065.748+/-369.712 χ^2/NDF:46.9/44

Out: 2007.775+/-356.824 χ^2/NDF:66.0/52

All: 2035.733+/-256.748 χ^2/NDF: 112.9/97

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2116.769+/-0.449 χ^2/NDF: 785734.5/21

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

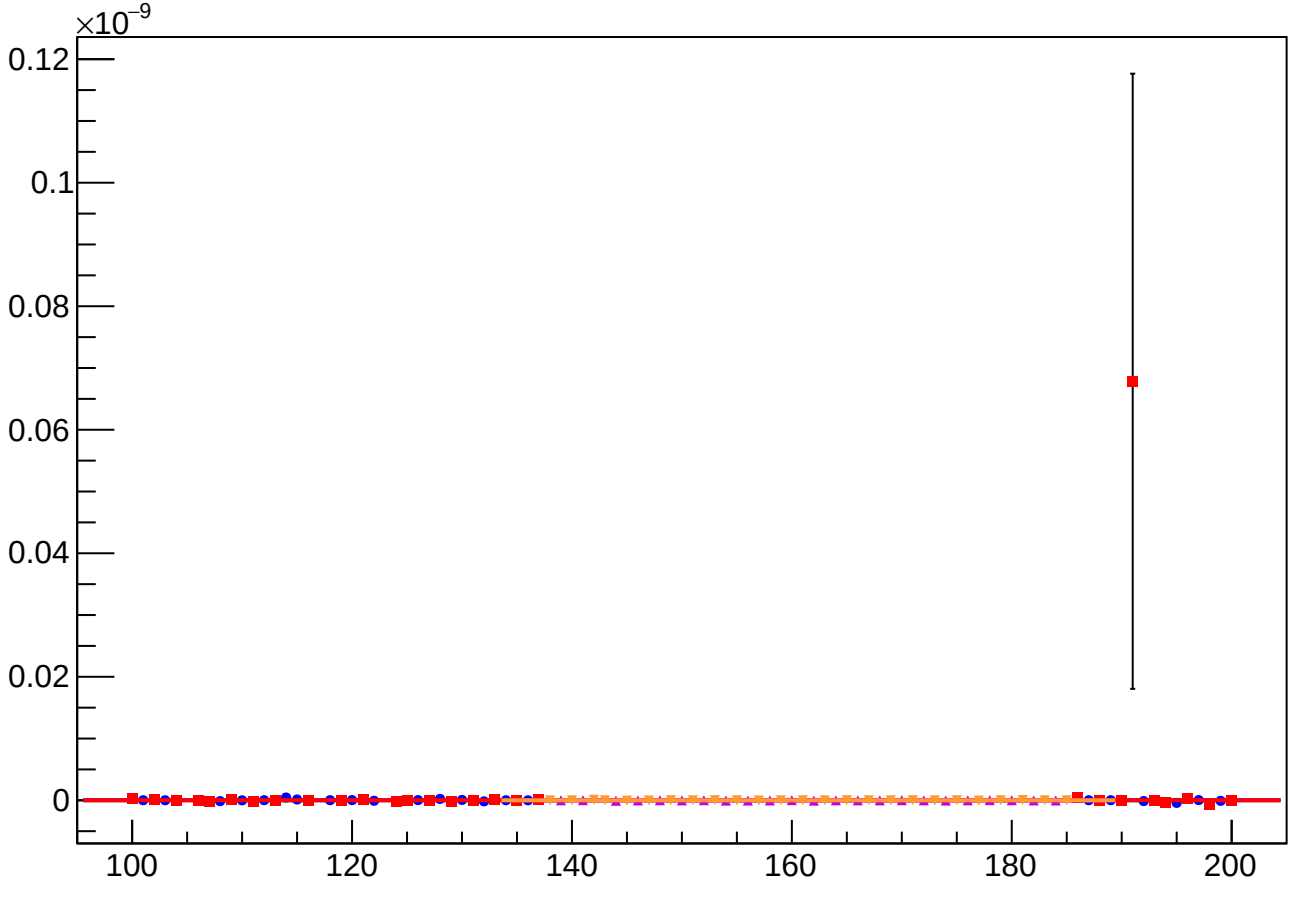
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2139.764+/-0.309 χ^2/NDF: 1944868.6/49

In: 2003.387+/-0.261 χ^2/NDF:978334.0/44

Out: 2023.562+/-0.252 χ^2/NDF:1422913.6/52

All: 2013.832+/-0.182 χ^2/NDF: 2404331.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/21

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

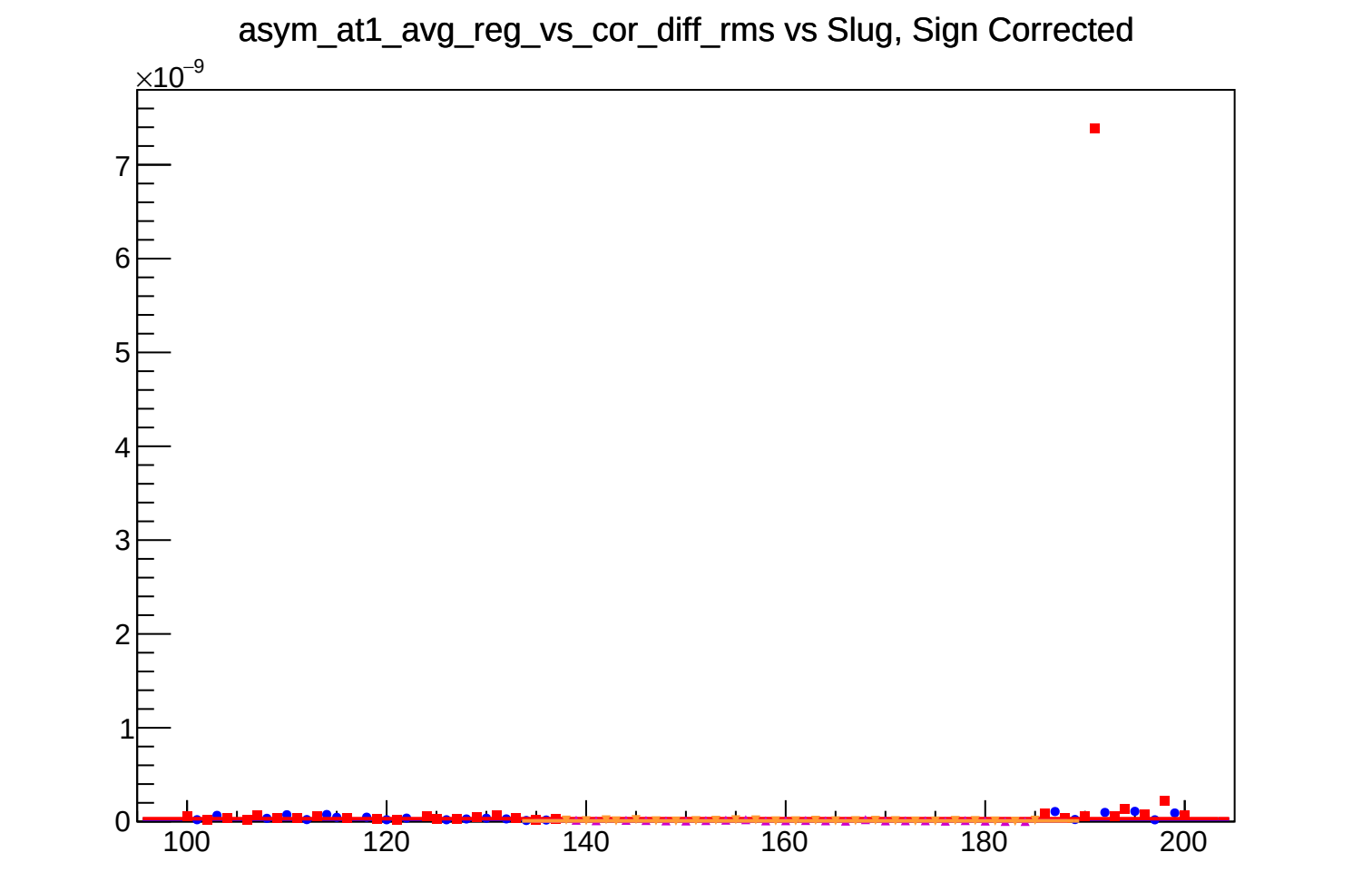
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/49

In: -0.000+/-0.000 χ^2/NDF:55.2/44

Out: 0.000+/-0.000 χ^2/NDF:58.4/52

All: -0.000+/-0.000 χ^2/NDF: 114.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 2482791.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2593848.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

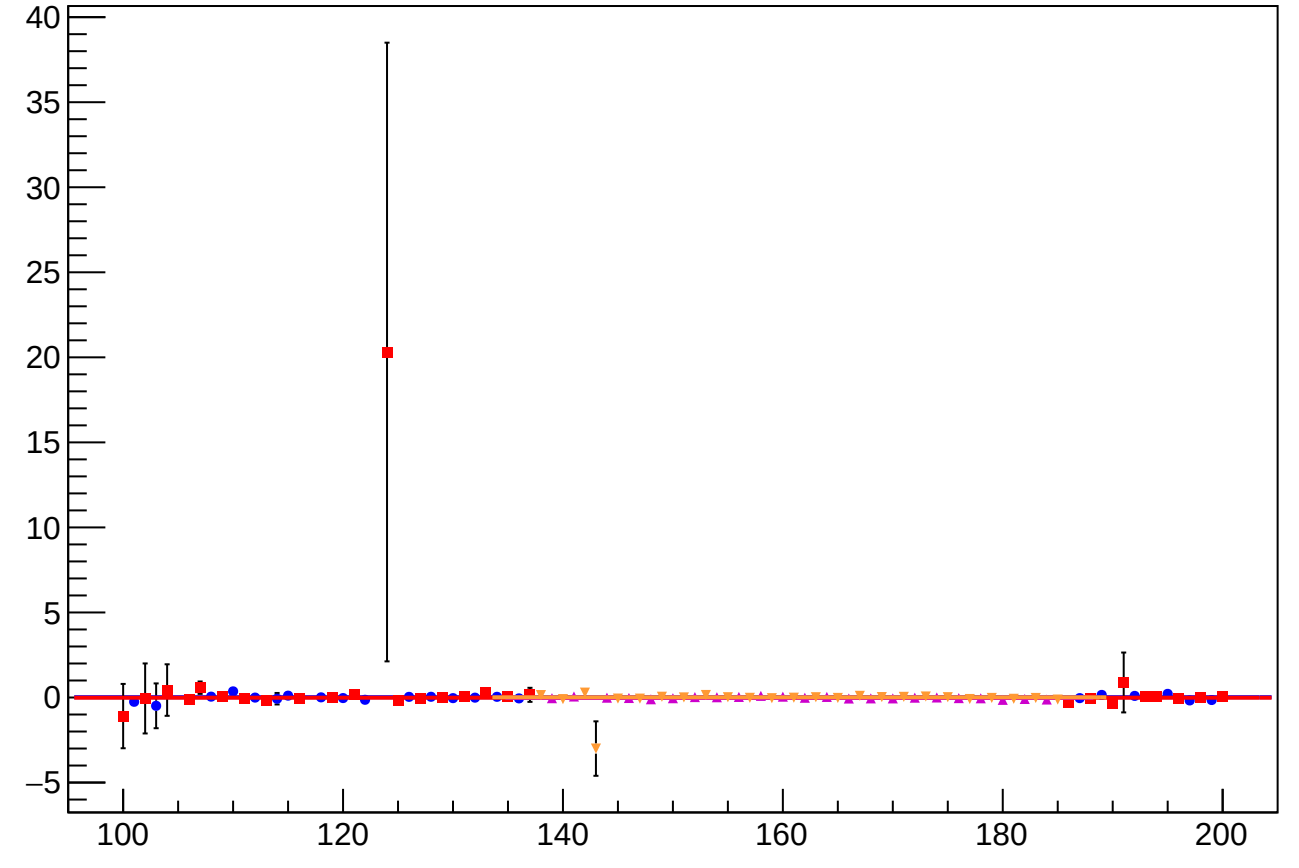
Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5306202.8/49

In: 0.000+/-0.000 χ^2/NDF:7633235.4/44

Out: 0.000+/-0.000 χ^2/NDF:8507959.3/52

All: 0.000+/-0.000 χ^2/NDF: 16142940.5/97



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

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

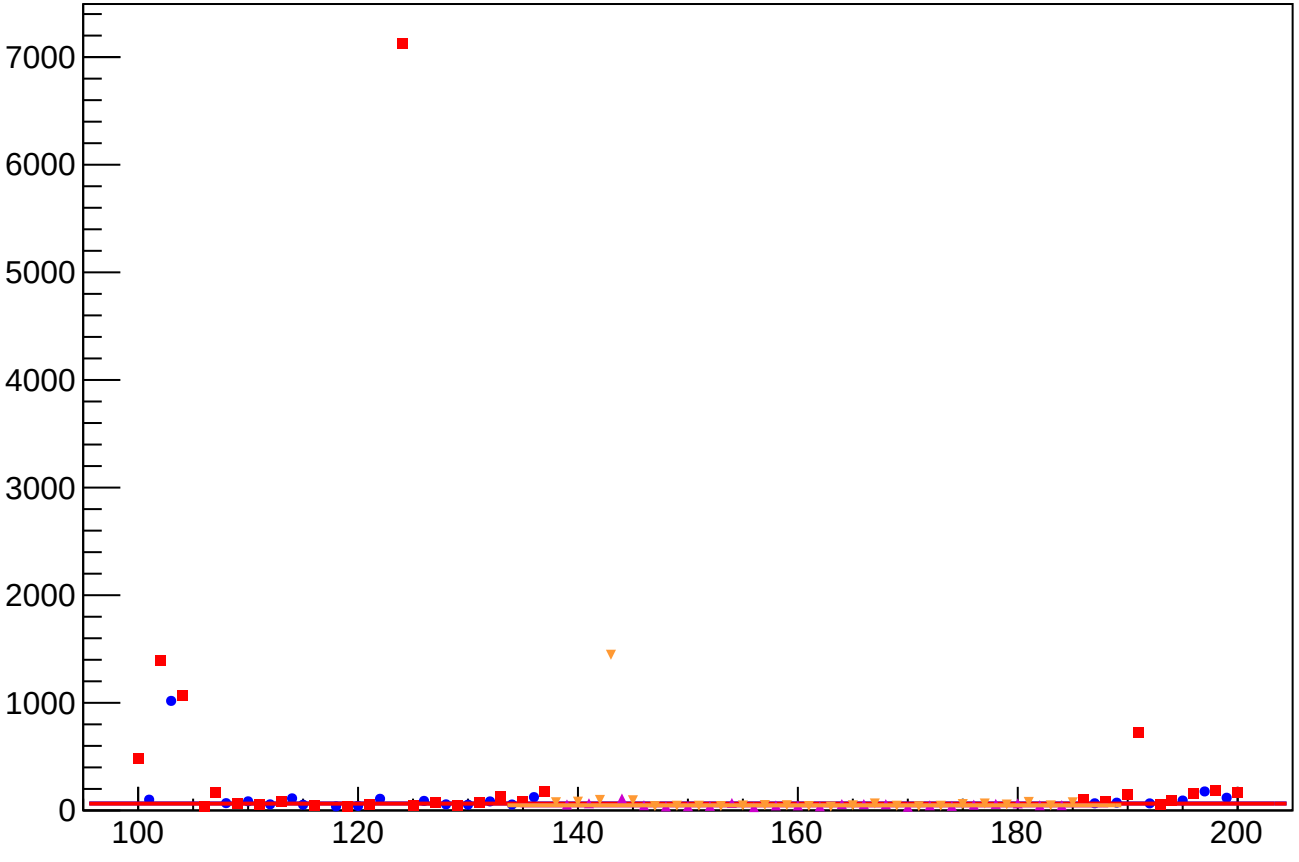
Right: 0.003+/-0.016 χ^2/NDF: 43.8/49

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 96.7/97

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

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

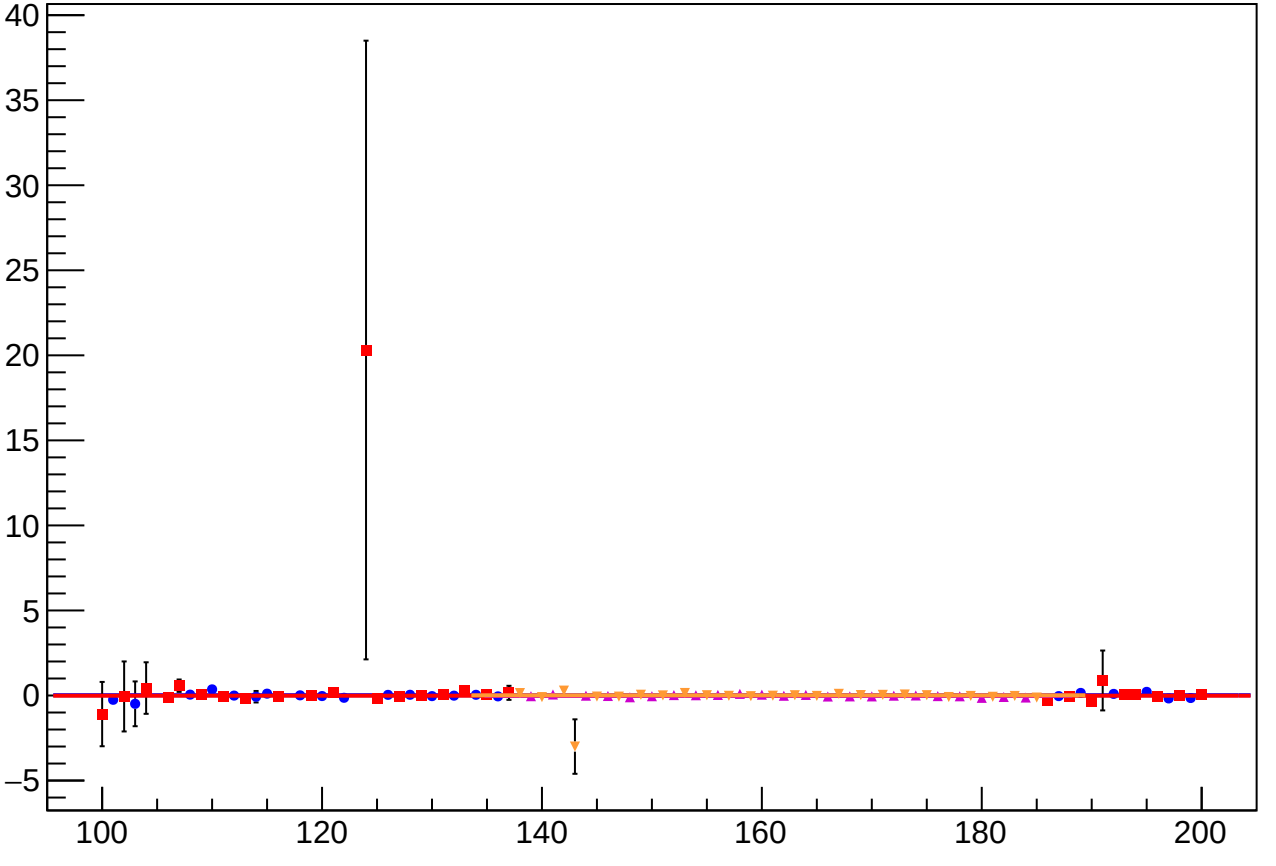
Right: 64.333+/-0.011 χ^2/NDF: 9653554.3/49

In: 50.783+/-0.008 χ^2/NDF:6464221.3/44

Out: 51.623+/-0.008 χ^2/NDF:10362687.7/52

All: 51.203+/-0.005 χ^2/NDF: 16832894.5/97

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

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

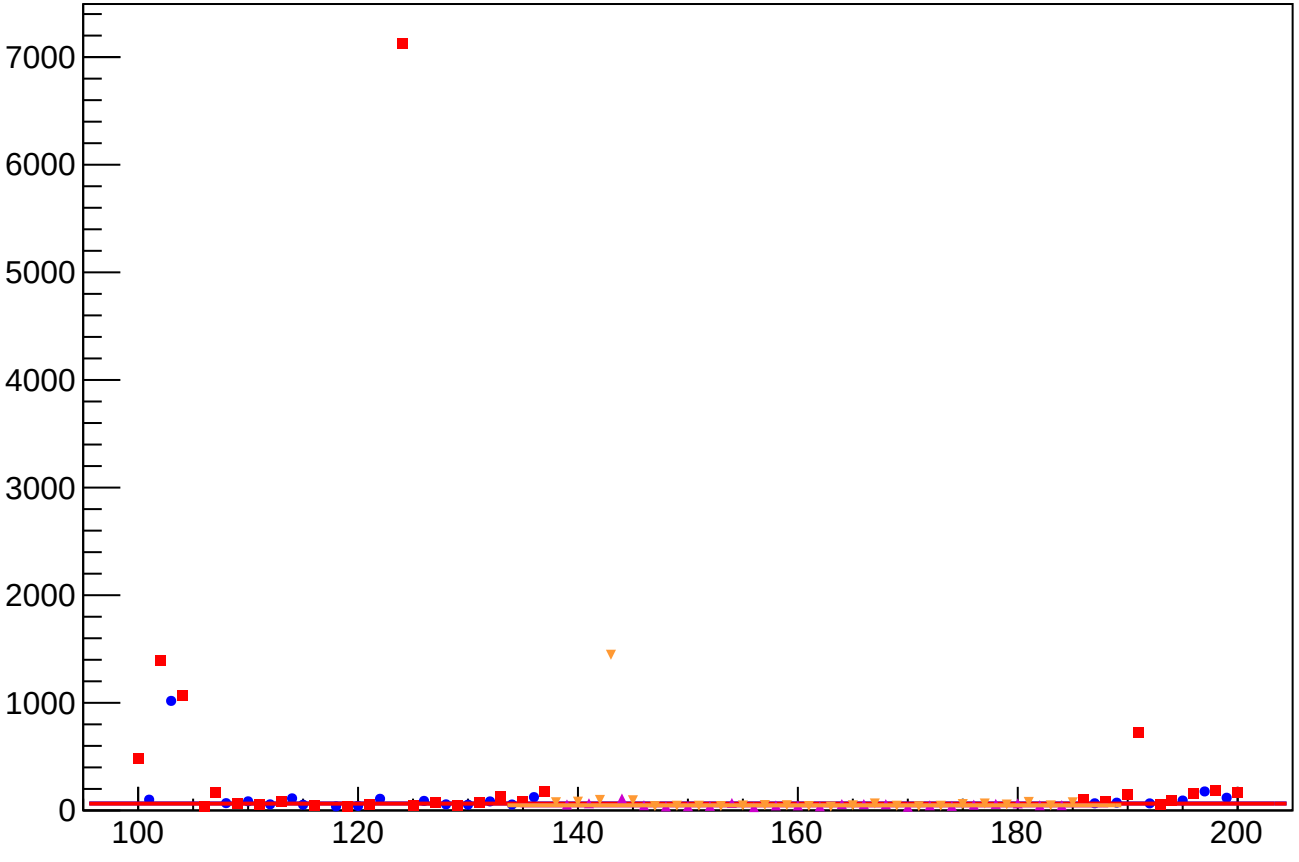
Right: 0.003+/-0.016 χ^2/NDF: 43.8/49

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 96.7/97

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

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

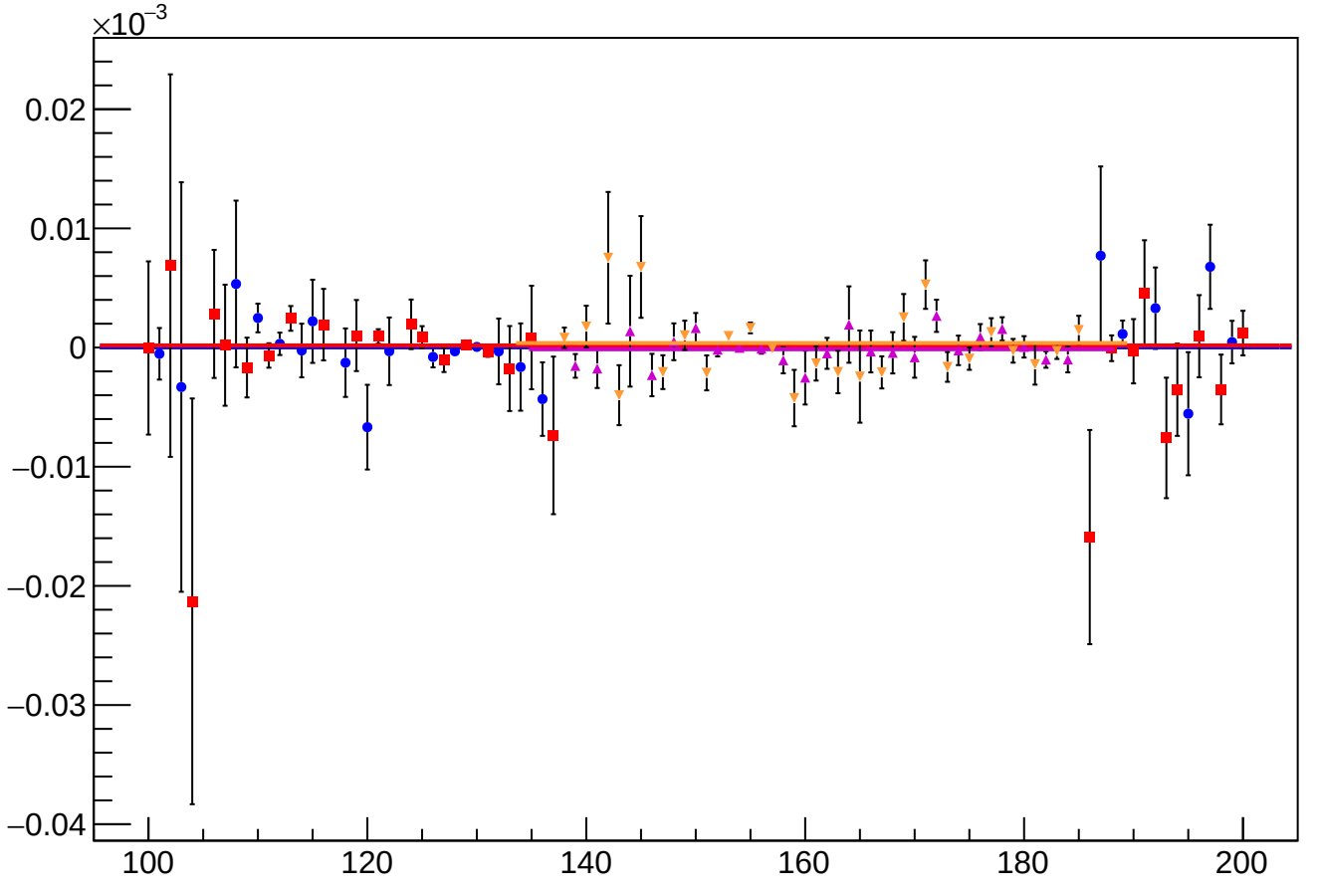
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 64.333+/-0.011 χ^2/NDF: 9653554.3/49

In: 50.783+/-0.008 χ^2/NDF:6464221.3/44

Out: 51.623+/-0.008 χ^2/NDF:10362687.7/52

All: 51.203+/-0.005 χ^2/NDF: 16832894.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

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

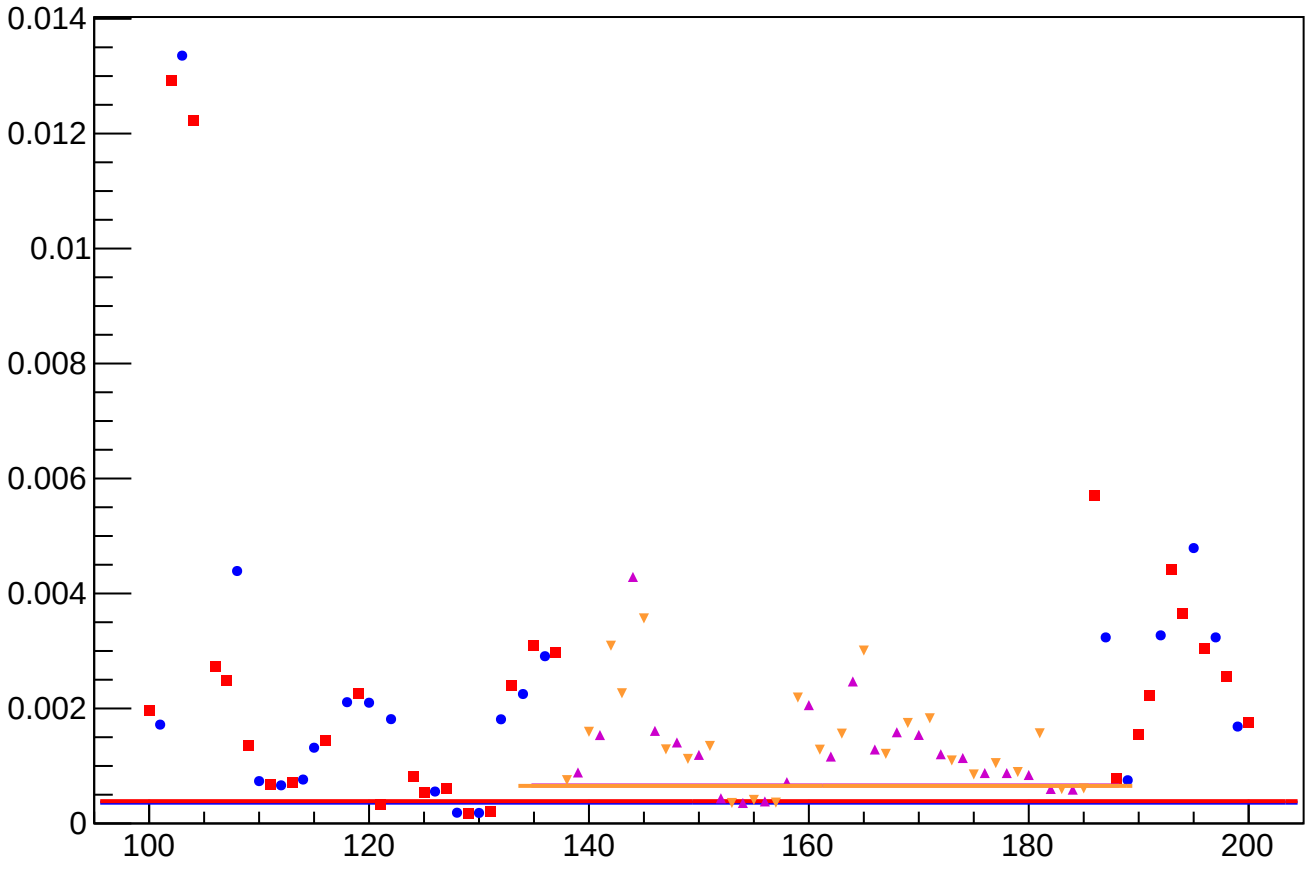
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.3/49

In: -0.000+/-0.000 χ^2/NDF:41.0/44

Out: 0.000+/-0.000 χ^2/NDF:77.5/52

All: 0.000+/-0.000 χ^2/NDF: 121.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 14784995.3/21

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

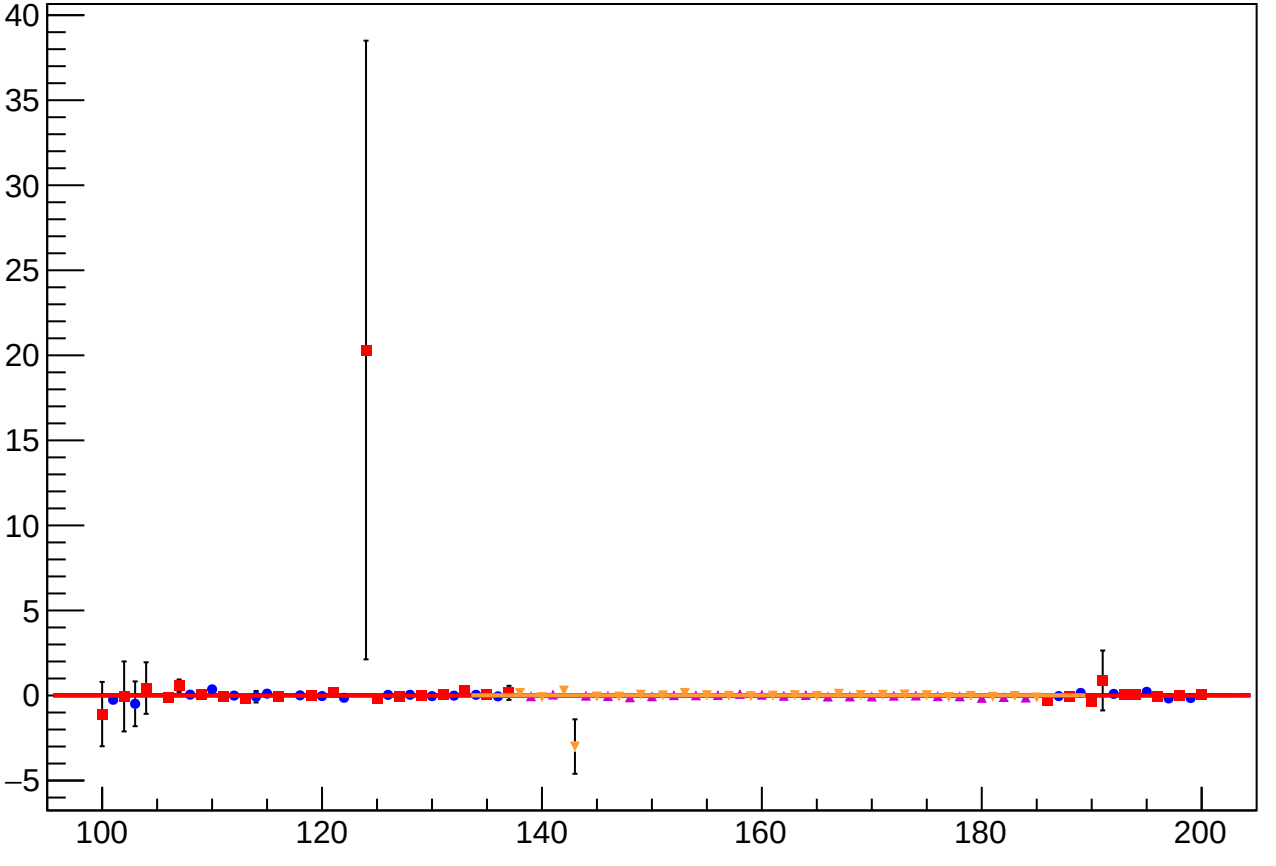
Right: 0.000+/-0.000 χ^2/NDF: 30800538.0/49

In: 0.001+/-0.000 χ^2/NDF:27005800.4/44

Out: 0.001+/-0.000 χ^2/NDF:30148980.9/52

All: 0.001+/-0.000 χ^2/NDF: 57163342.7/97

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

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

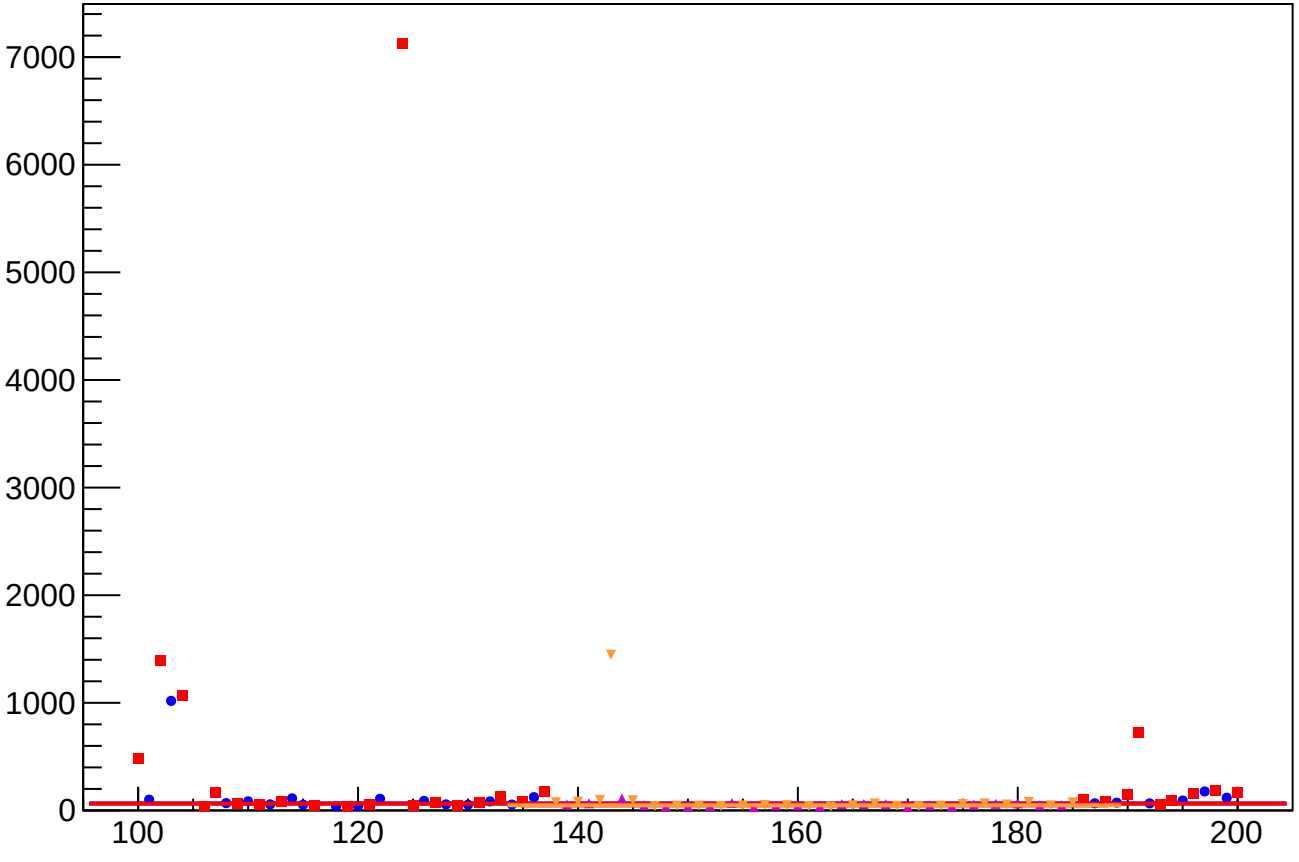
Right: 0.003+/-0.016 χ^2/NDF: 43.8/49

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 96.7/97

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

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

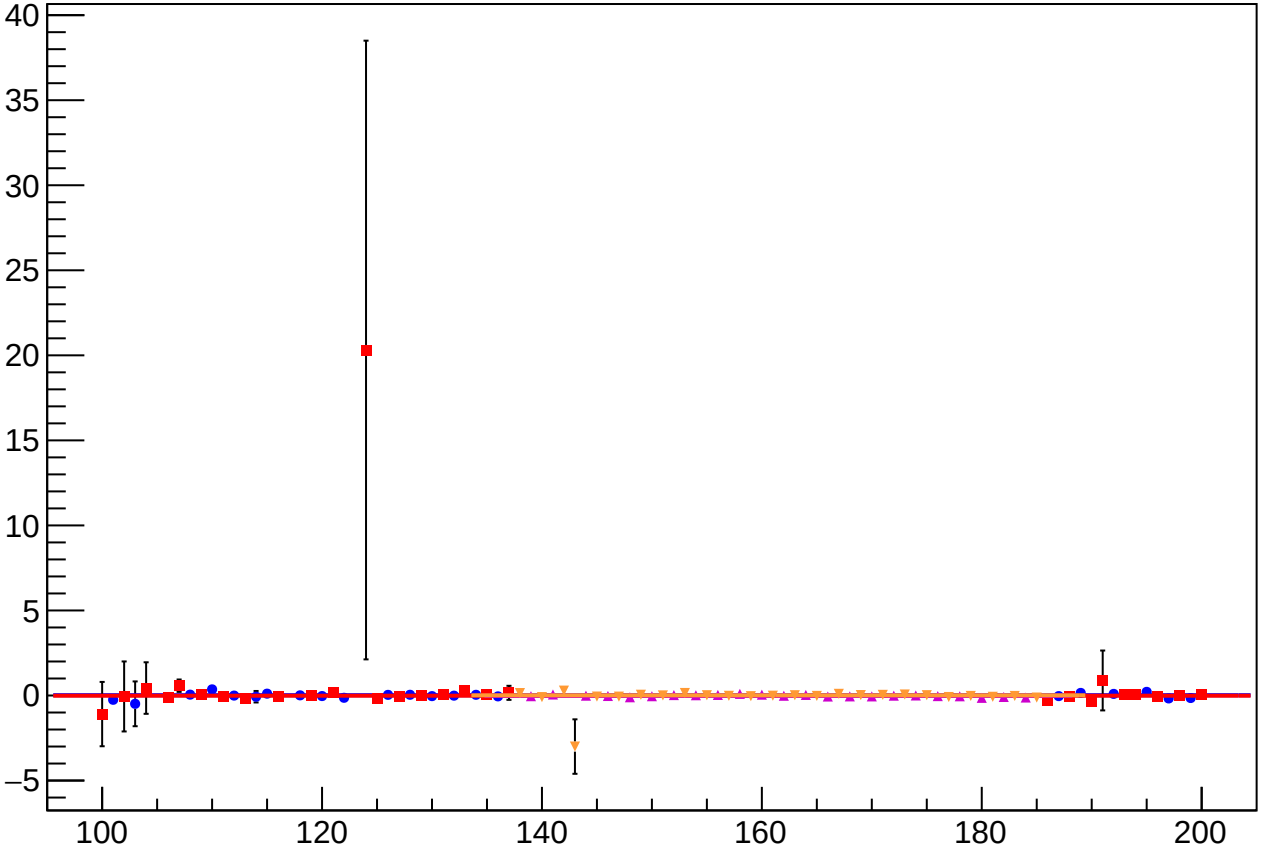
Right: 64.333+/-0.011 χ^2/NDF: 9653758.0/49

In: 50.783+/-0.008 χ^2/NDF:6464255.1/44

Out: 51.623+/-0.008 χ^2/NDF:10362701.9/52

All: 51.203+/-0.005 χ^2/NDF: 16832942.6/97

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

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

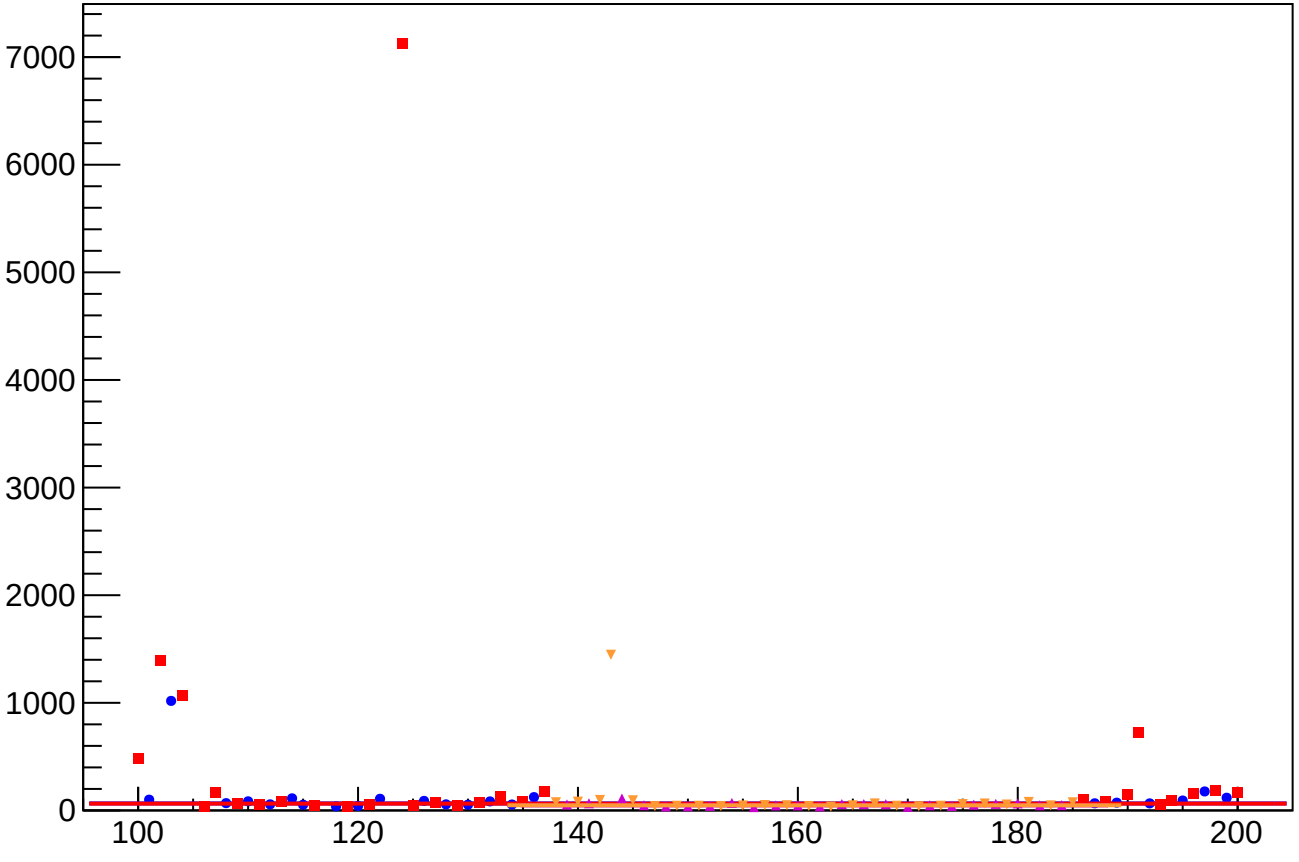
Right: 0.003+/-0.016 χ^2/NDF: 43.8/49

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.5/52

All: -0.002+/-0.008 χ^2/NDF: 96.7/97

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

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

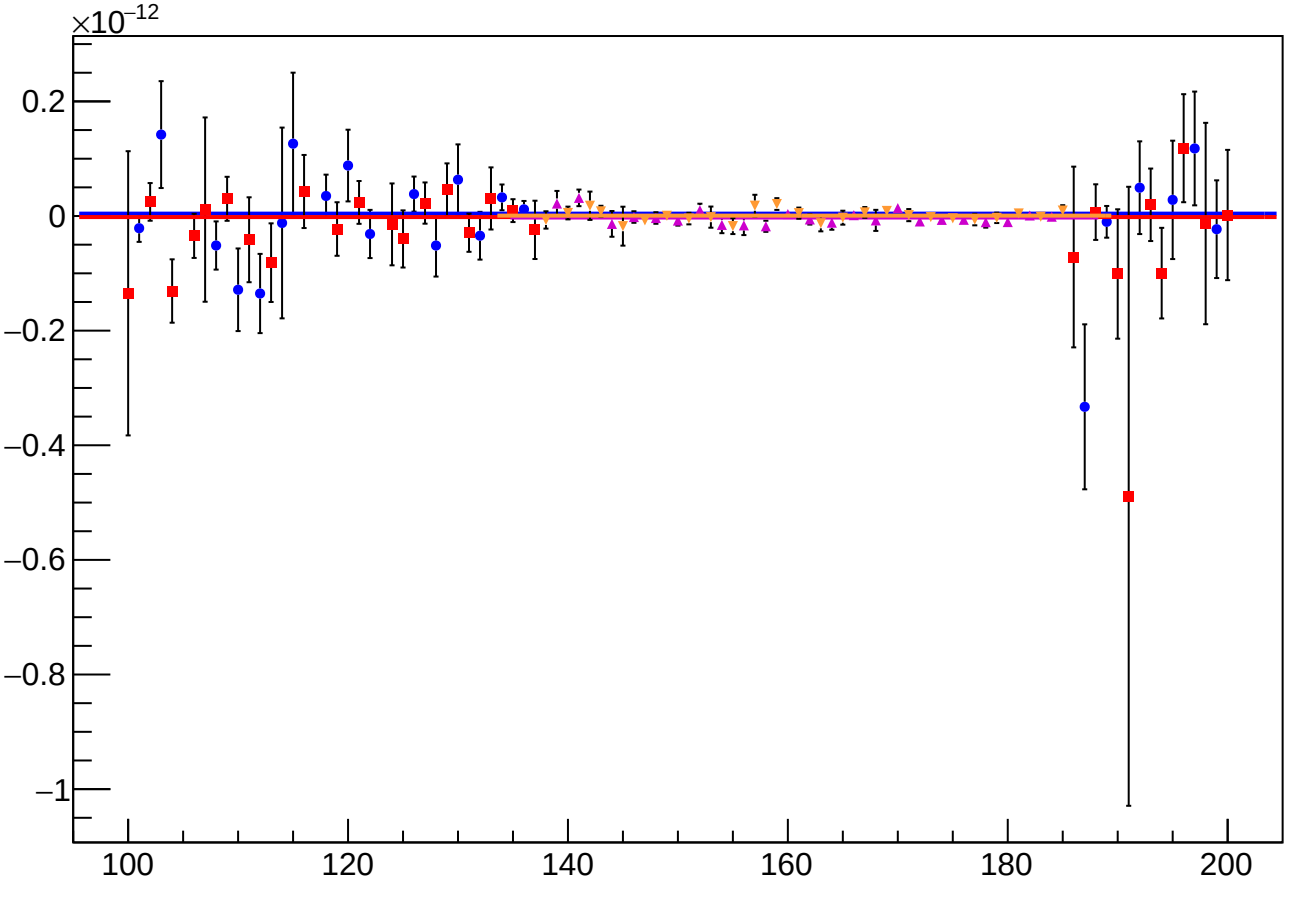
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 64.333+/-0.011 χ^2/NDF: 9653758.0/49

In: 50.783+/-0.008 χ^2/NDF:6464255.1/44

Out: 51.623+/-0.008 χ^2/NDF:10362701.9/52

All: 51.203+/-0.005 χ^2/NDF: 16832942.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/21

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

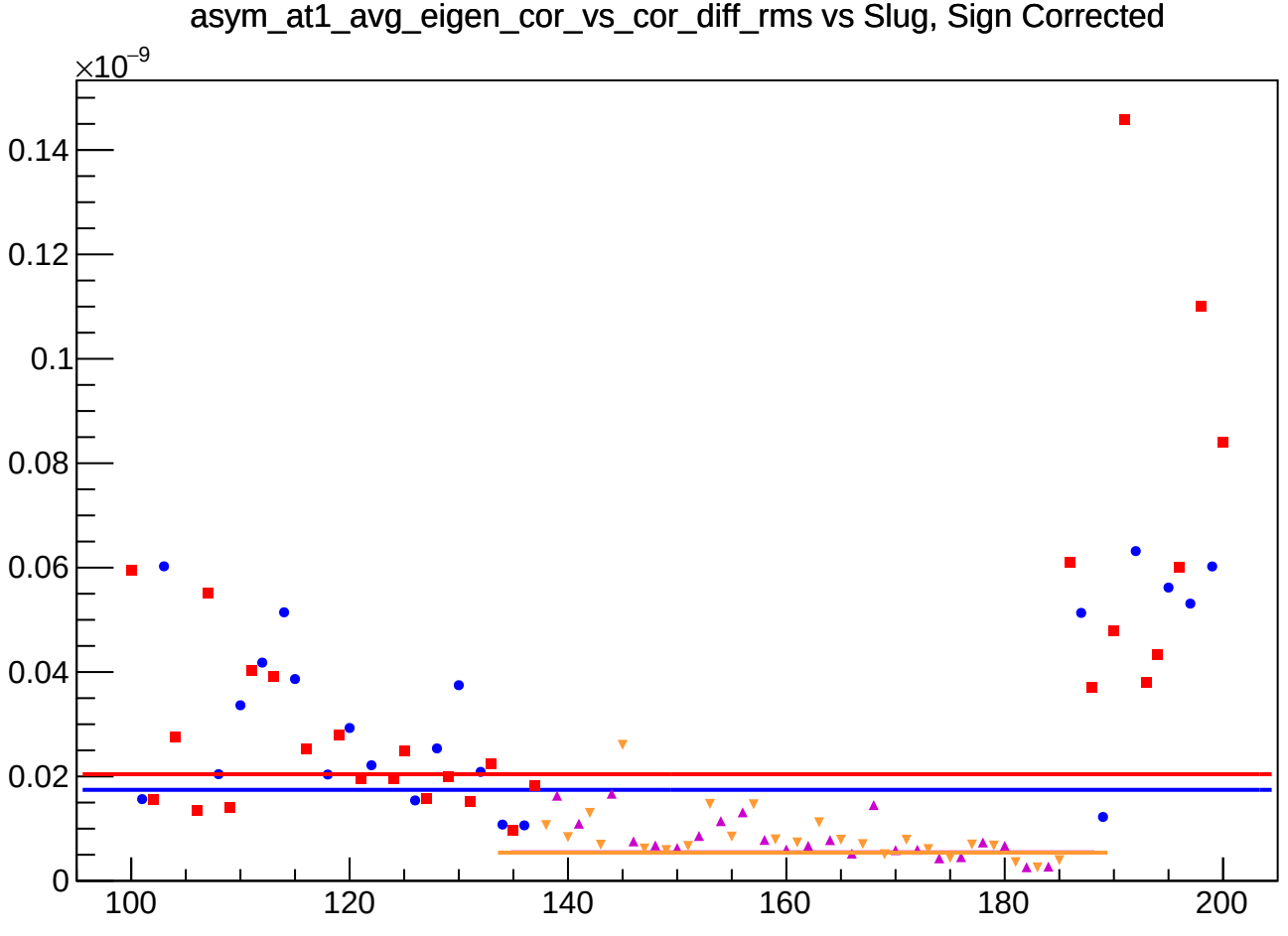
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.8/49

In: -0.000+/-0.000 χ^2/NDF:52.6/44

Out: 0.000+/-0.000 χ^2/NDF:34.6/52

All: -0.000+/-0.000 χ^2/NDF: 88.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 3792934.4/21

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

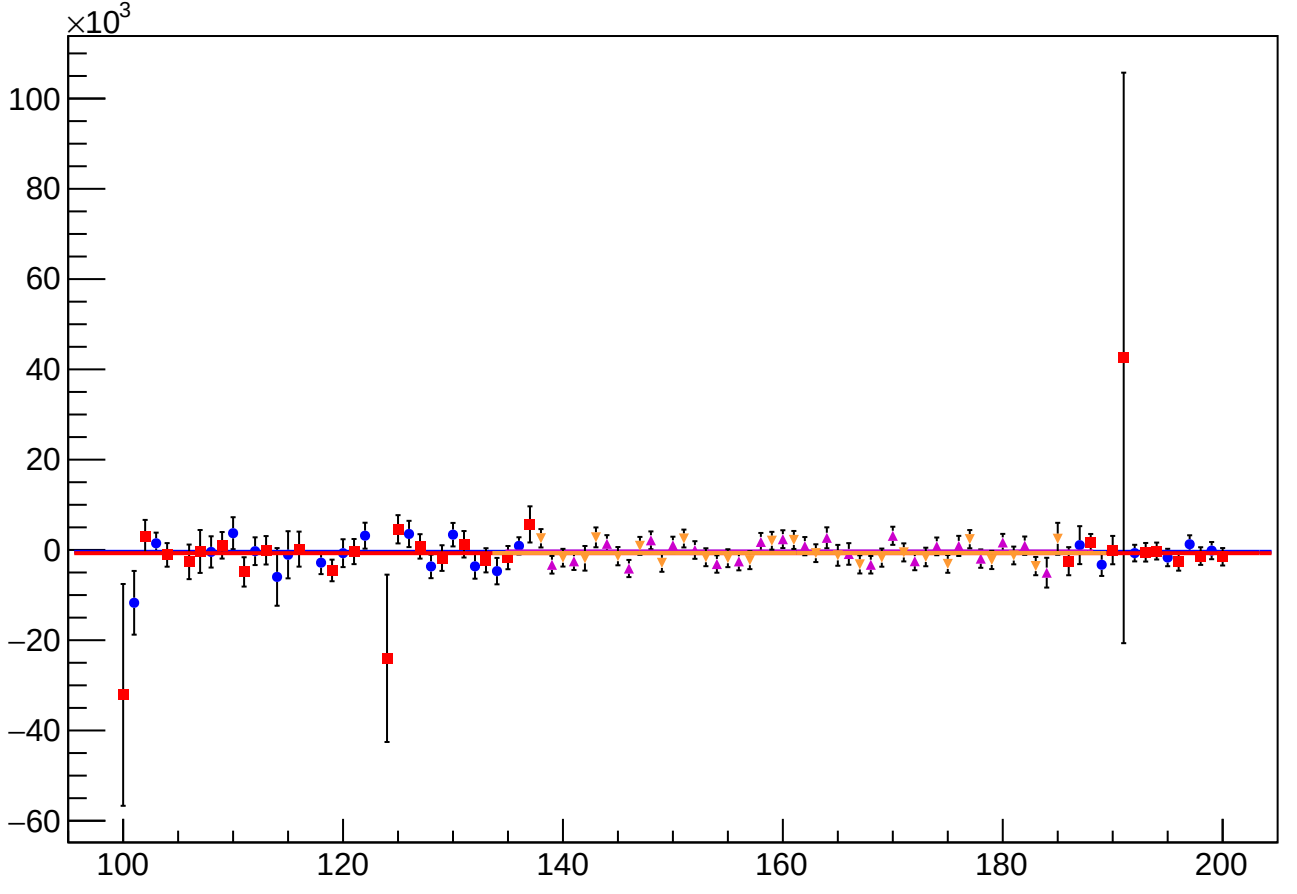
Right: 0.000+/-0.000 χ^2/NDF: 7713032.1/49

In: 0.000+/-0.000 χ^2/NDF:12863487.2/44

Out: 0.000+/-0.000 χ^2/NDF:14018189.8/52

All: 0.000+/-0.000 χ^2/NDF: 26885775.4/97

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.432+/-562.047 χ^2/NDF: 20.0/21

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

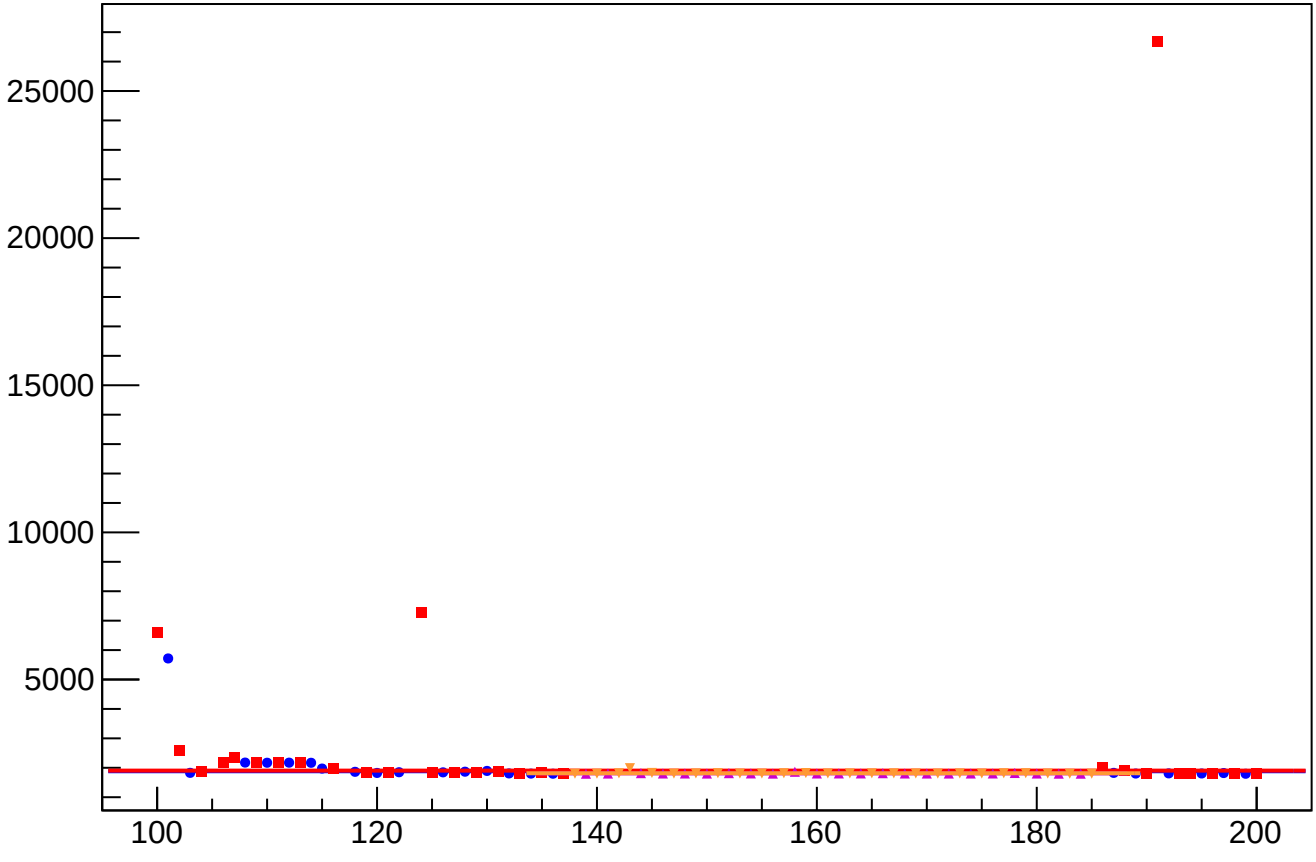
Right: -579.956+/-383.922 χ^2/NDF: 39.5/49

In: -369.856+/-337.830 χ^2/NDF:50.0/44

Out: -689.873+/-324.371 χ^2/NDF:44.2/52

All: -536.366+/-233.978 χ^2/NDF: 94.7/97

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.7/21

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

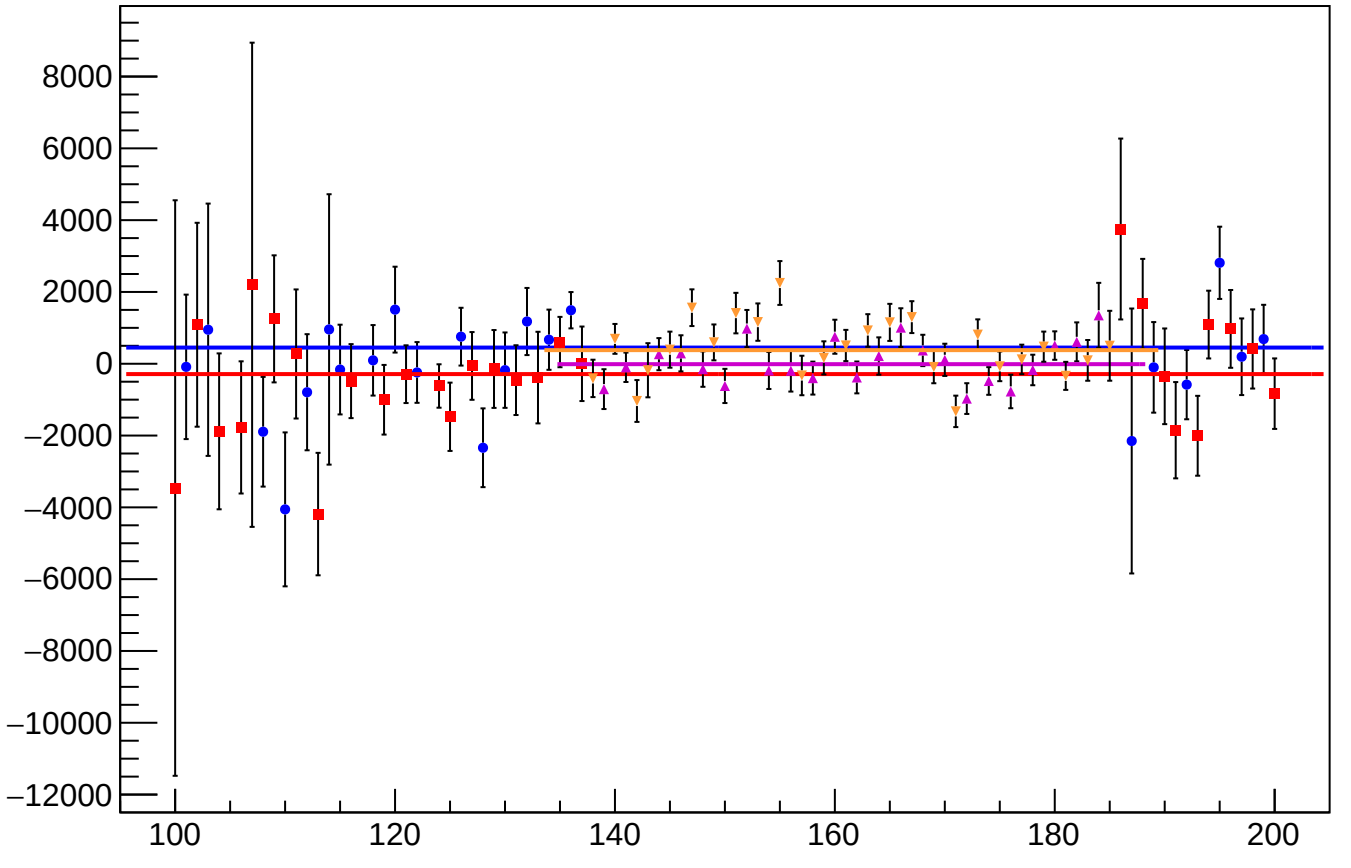
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1893.729+/-0.271 χ^2/NDF: 1399159.4/49

In: 1836.376+/-0.239 χ^2/NDF:687012.1/44

Out: 1848.468+/-0.229 χ^2/NDF:782256.6/52

All: 1842.668+/-0.165 χ^2/NDF: 1470601.9/97



Right In: 450.799+/-225.324 χ^2/NDF: 28.6/21

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

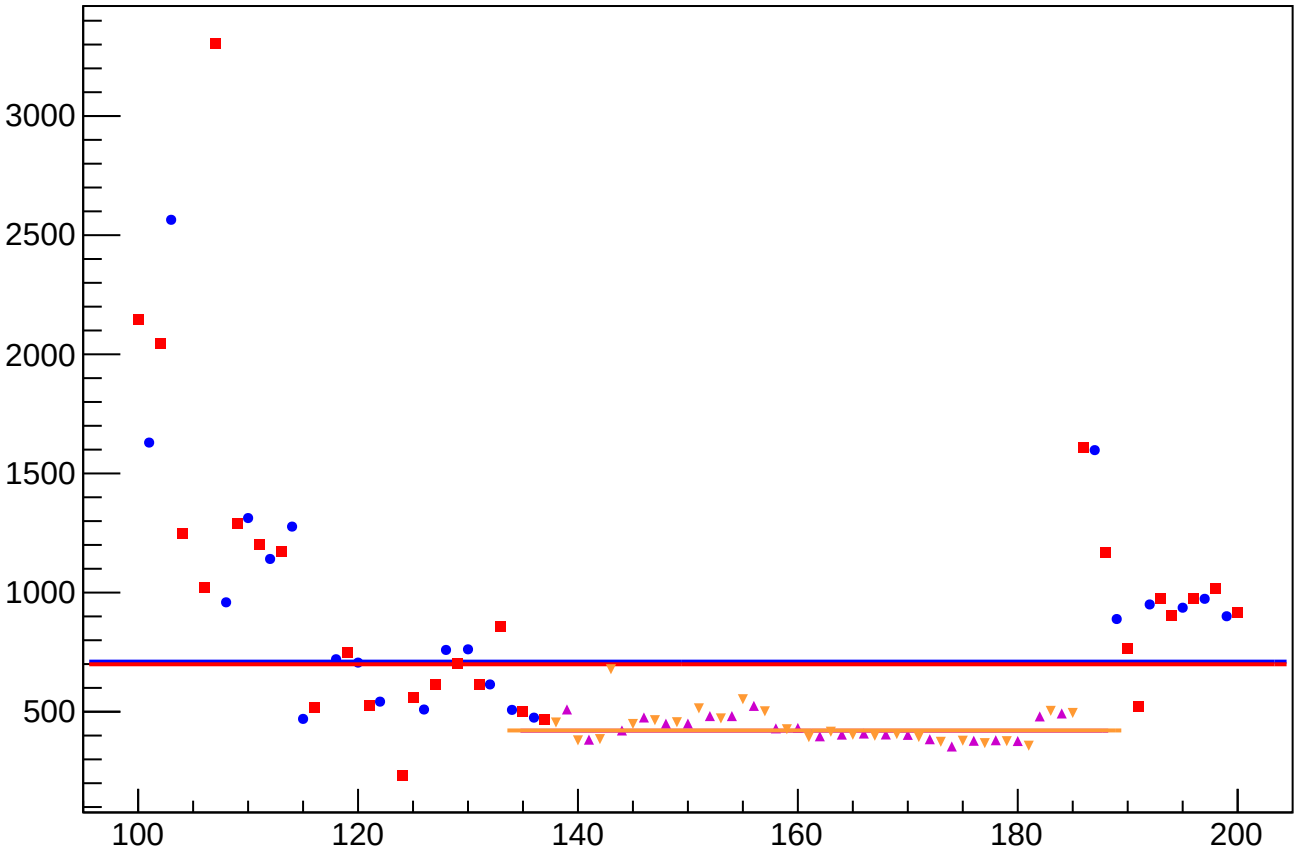
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 59.421+/-154.490 χ^2/NDF: 59.3/49

In: 63.250+/-90.619 χ^2/NDF:63.3/44

Out: 264.044+/-88.232 χ^2/NDF:95.5/52

All: 166.327+/-63.216 χ^2/NDF: 161.3/97



Right In: 710.220+/-0.159 χ^2/NDF: 2811216.4/21

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

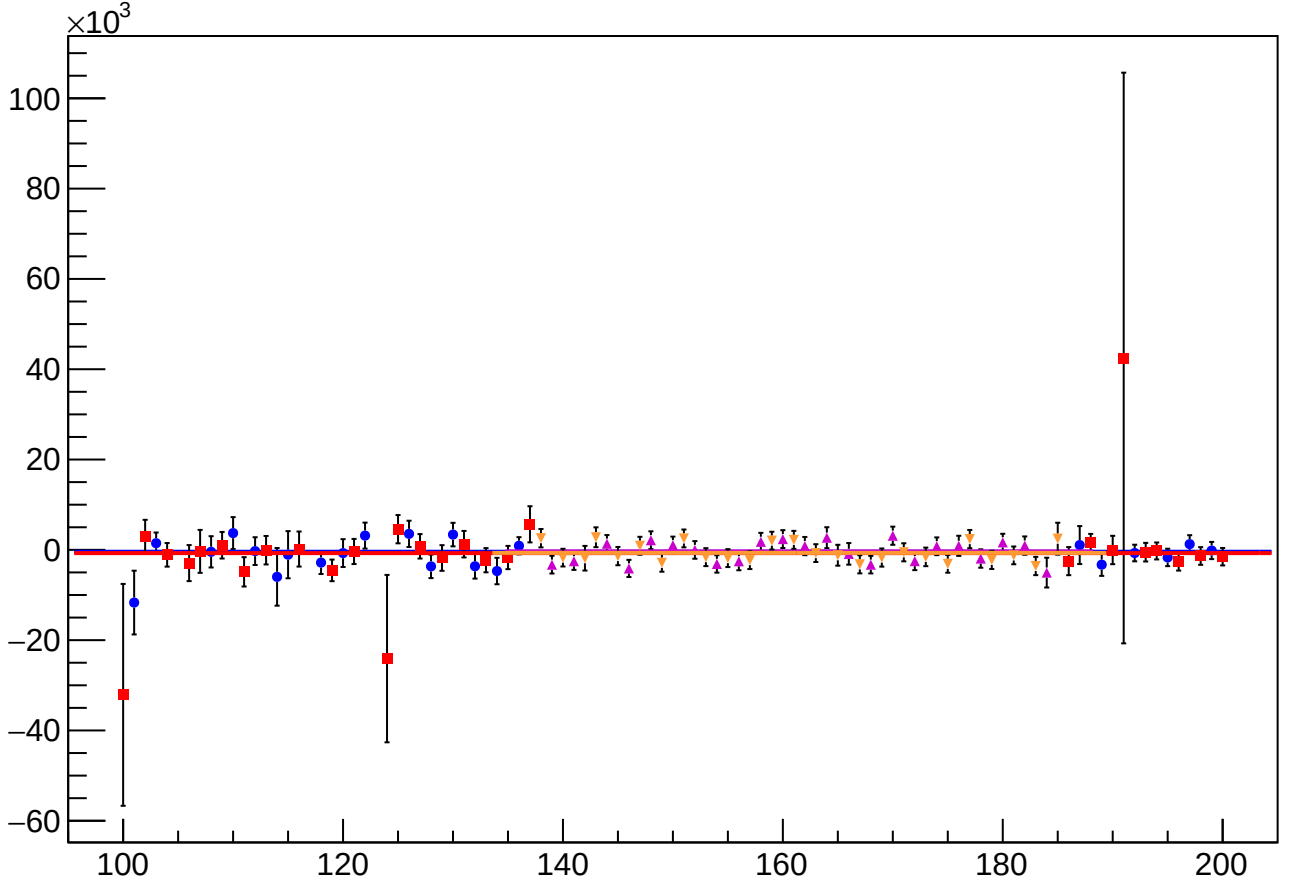
Right: 704.346+/-0.109 χ^2/NDF: 7260239.5/49

In: 467.127+/-0.064 χ^2/NDF:6001391.9/44

Out: 469.418+/-0.062 χ^2/NDF:8022350.1/52

All: 468.303+/-0.045 χ^2/NDF: 14024397.8/97

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

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

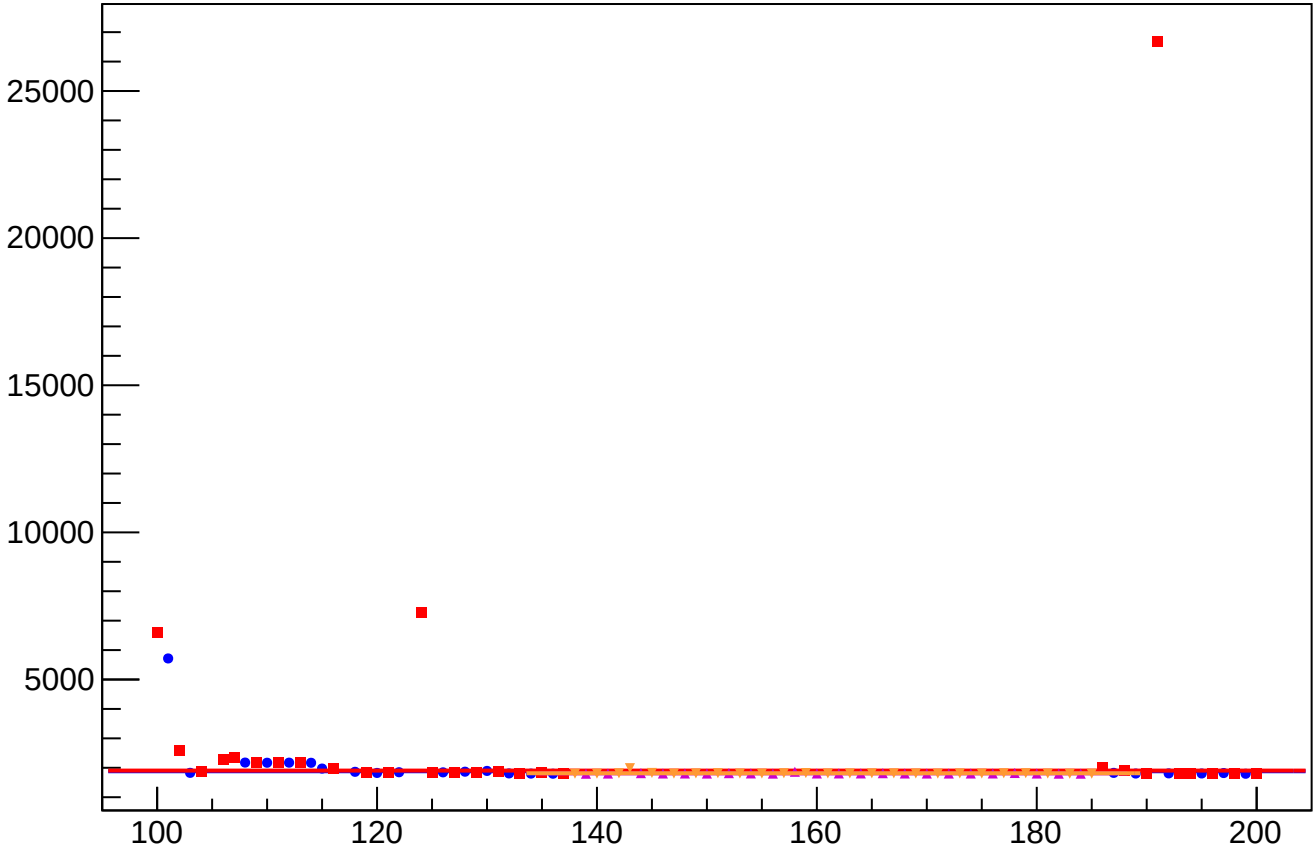
Right: -580.960+/-384.074 χ^2/NDF: 39.6/49

In: -369.723+/-337.830 χ^2/NDF:50.0/44

Out: -690.794+/-324.463 χ^2/NDF:44.2/52

All: -536.736+/-234.013 χ^2/NDF: 94.7/97

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

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

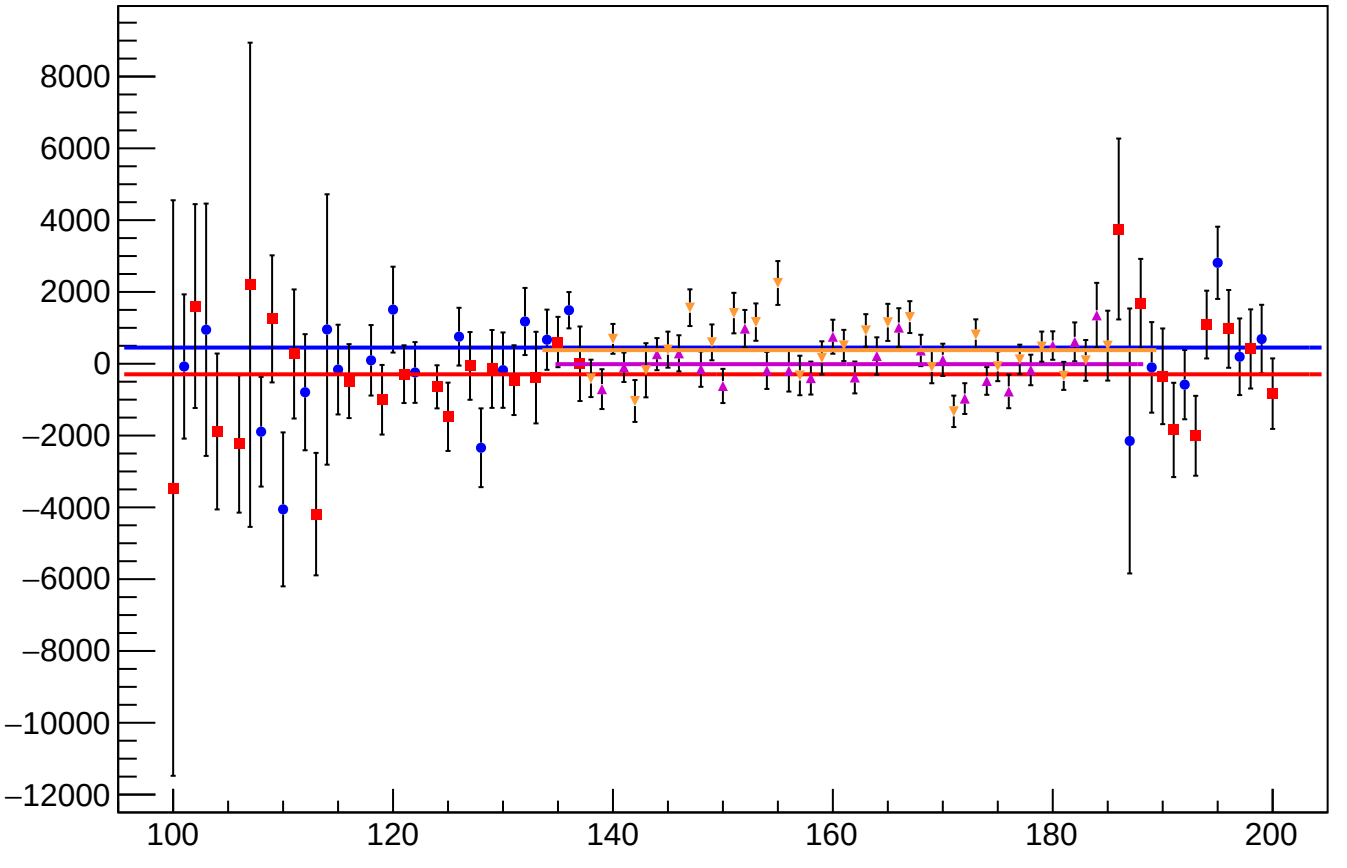
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1894.255+/-0.272 χ^2/NDF: 1405107.2/49

In: 1836.376+/-0.239 χ^2/NDF:687011.9/44

Out: 1848.818+/-0.229 χ^2/NDF:788828.9/52

All: 1842.848+/-0.165 χ^2/NDF: 1477251.8/97



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

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

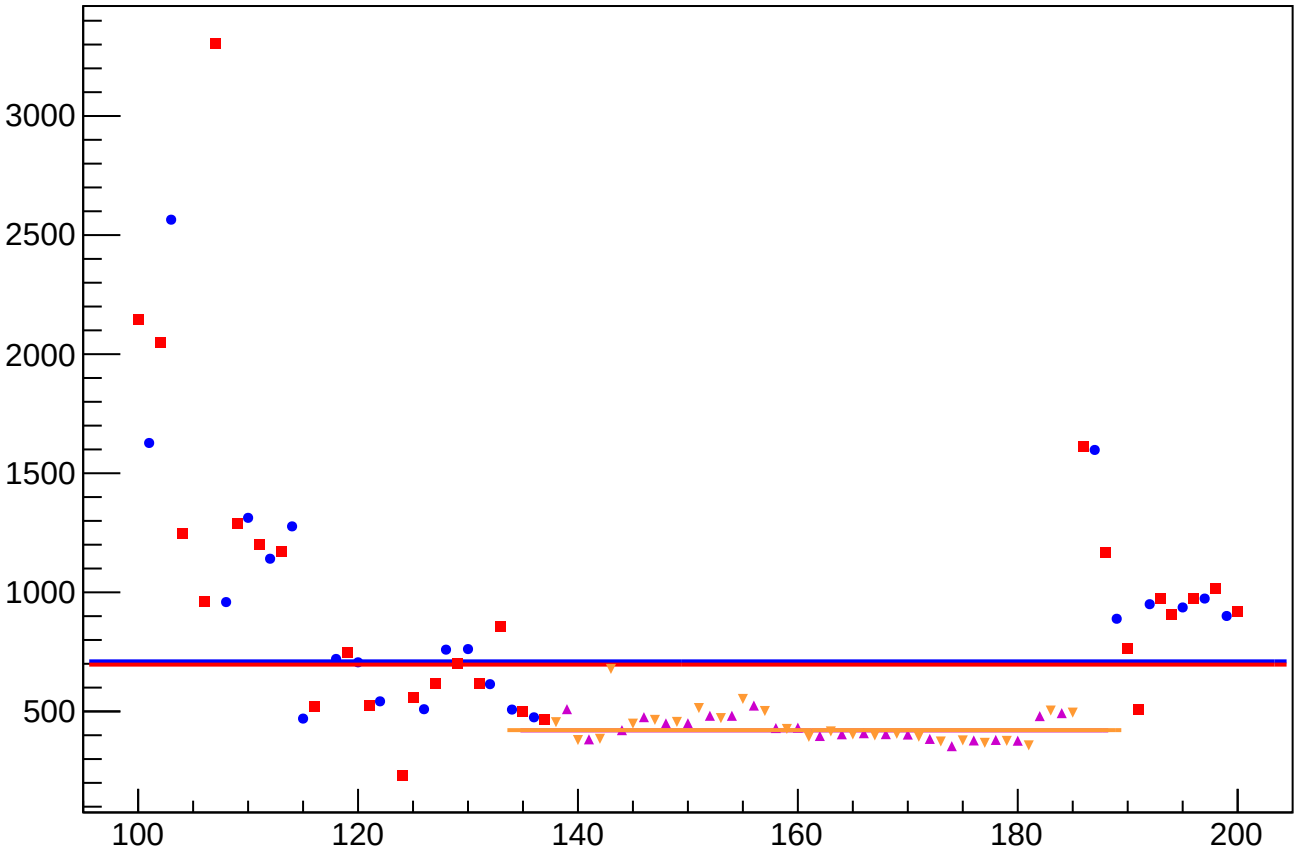
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 55.787+/-154.410 χ^2/NDF: 60.1/49

In: 63.247+/-90.618 χ^2/NDF:63.3/44

Out: 262.774+/-88.218 χ^2/NDF:96.4/52

All: 165.688+/-63.211 χ^2/NDF: 162.1/97



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

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

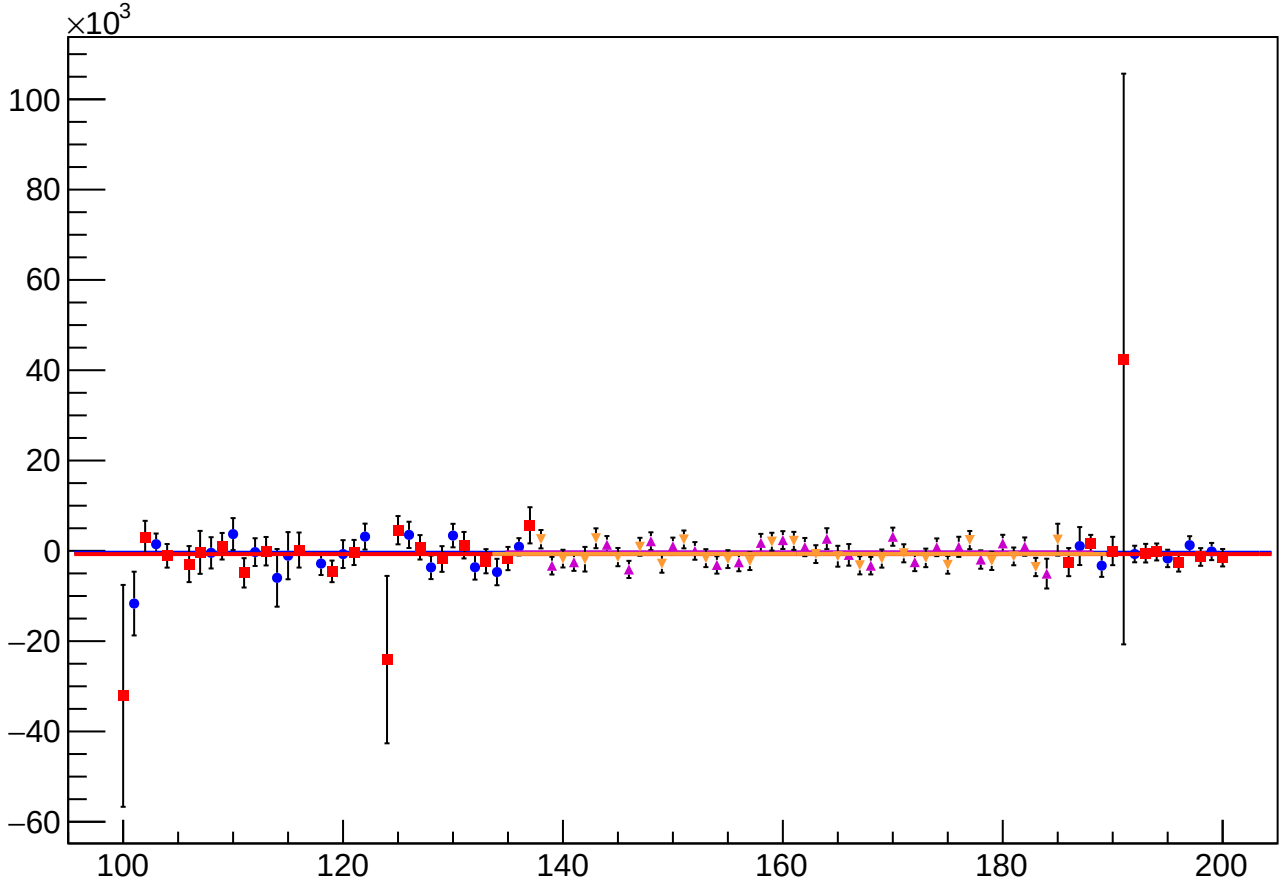
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 702.957+/-0.109 χ^2/NDF: 7272506.9/49

In: 467.125+/-0.064 χ^2/NDF:6000747.1/44

Out: 469.045+/-0.062 χ^2/NDF:7985431.3/52

All: 468.111+/-0.045 χ^2/NDF: 13986639.6/97



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

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

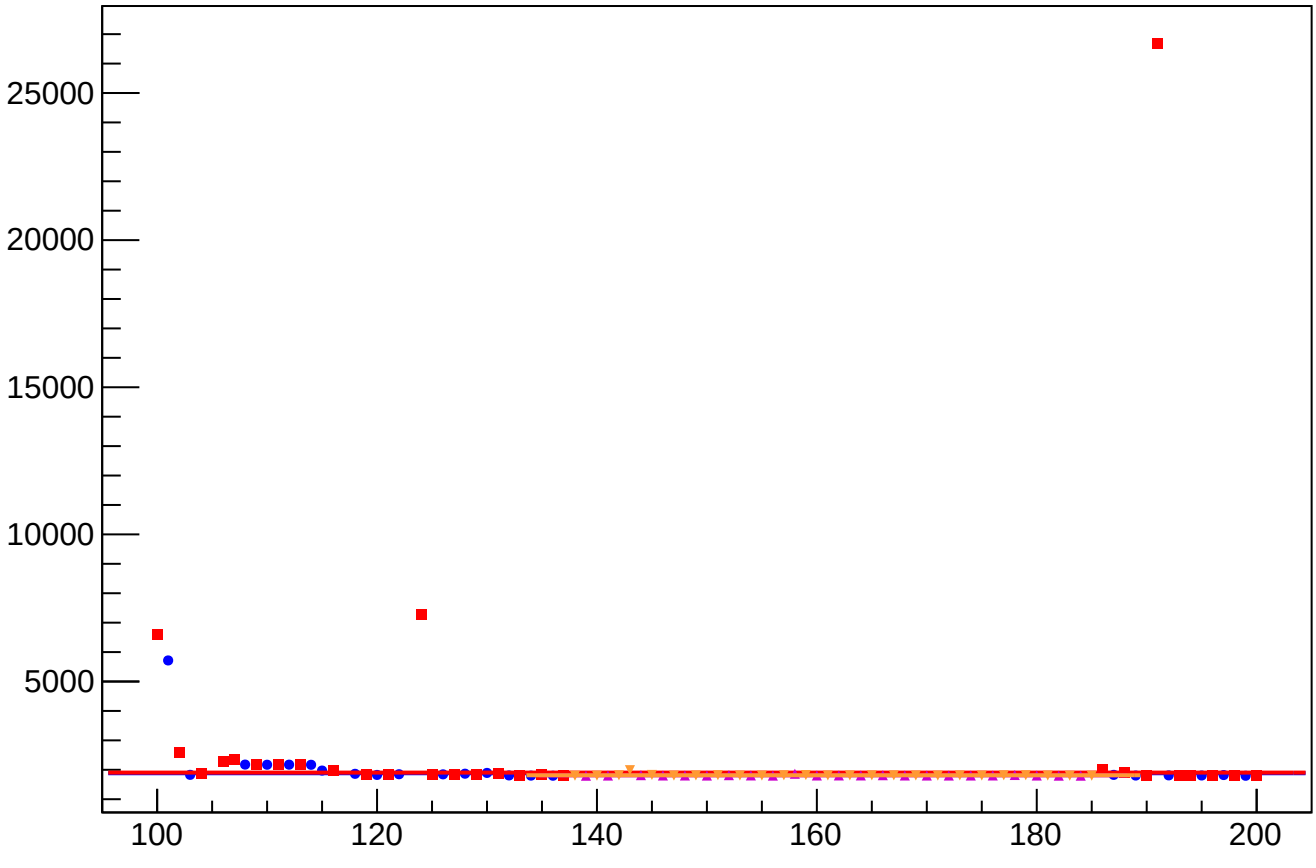
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -580.960+/-384.074 χ^2/NDF: 39.6/49

In: -369.723+/-337.830 χ^2/NDF:50.0/44

Out: -690.794+/-324.463 χ^2/NDF:44.2/52

All: -536.736+/-234.013 χ^2/NDF: 94.7/97



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

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

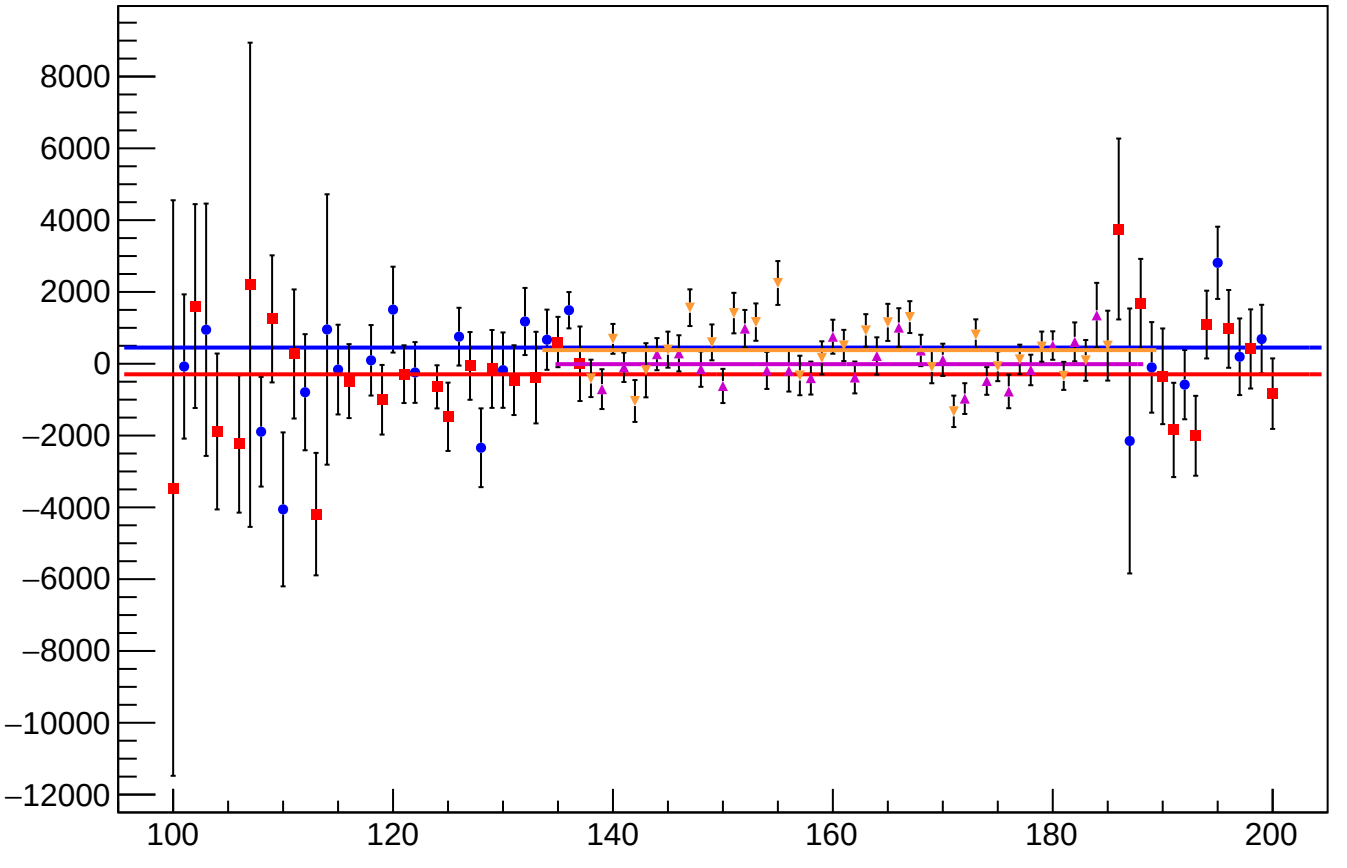
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1894.255+/-0.272 χ^2/NDF: 1405107.2/49

In: 1836.376+/-0.239 χ^2/NDF:687011.9/44

Out: 1848.818+/-0.229 χ^2/NDF:788828.9/52

All: 1842.848+/-0.165 χ^2/NDF: 1477251.8/97



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

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

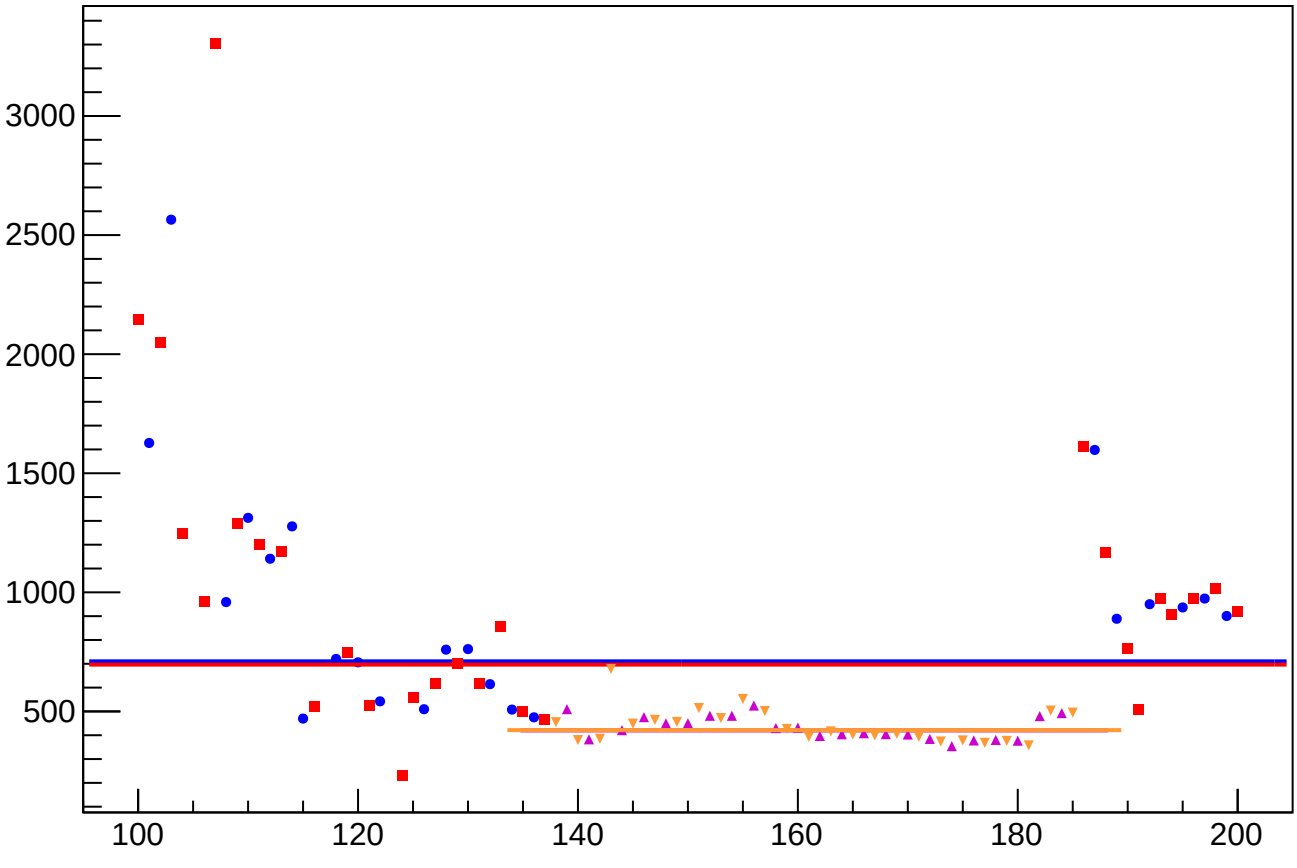
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 55.787+/-154.410 χ^2/NDF: 60.1/49

In: 63.247+/-90.618 χ^2/NDF:63.3/44

Out: 262.774+/-88.218 χ^2/NDF:96.4/52

All: 165.688+/-63.211 χ^2/NDF: 162.1/97



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

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

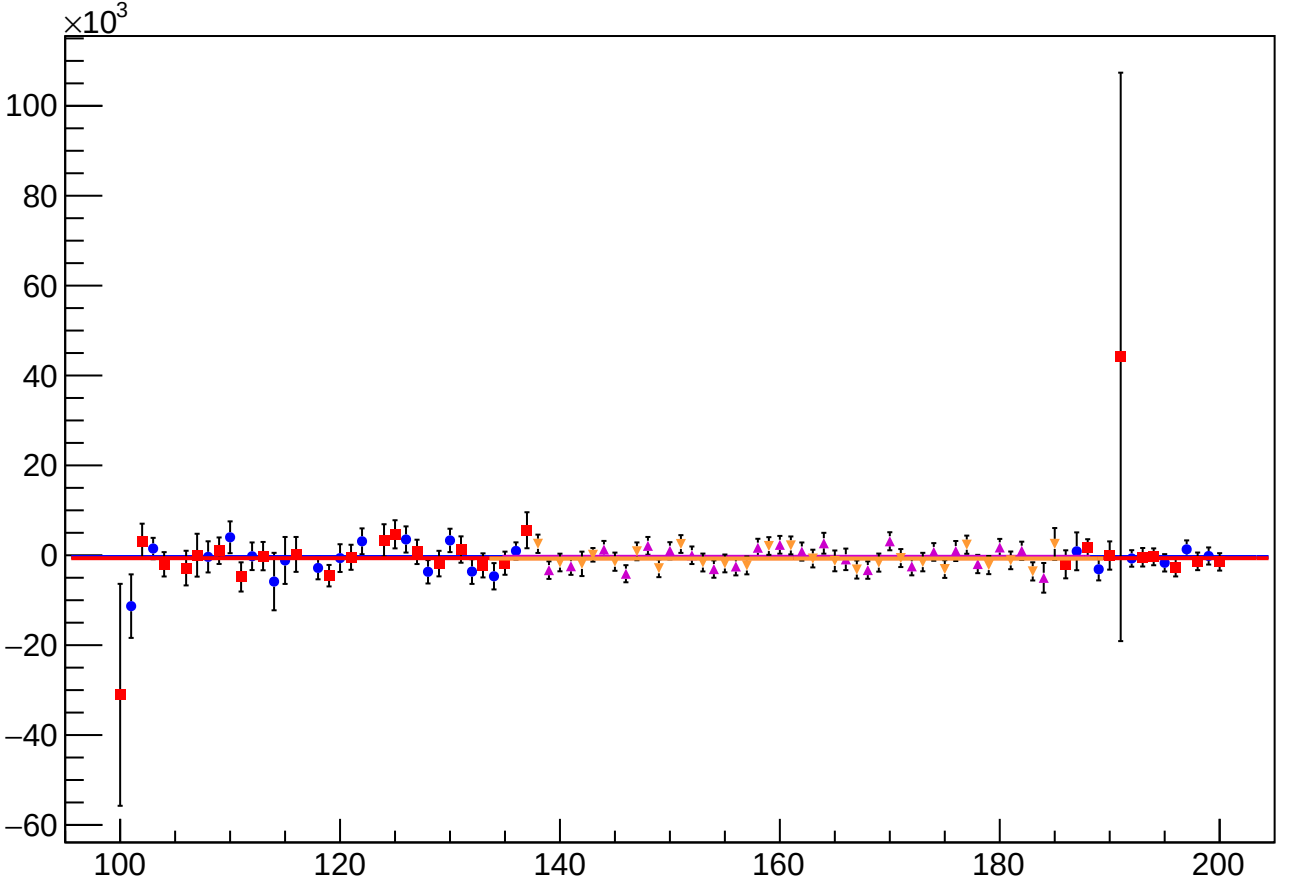
Right: 702.957+/-0.109 χ^2/NDF: 7272506.9/49

In: 467.125+/-0.064 χ^2/NDF:6000747.1/44

Out: 469.045+/-0.062 χ^2/NDF:7985431.3/52

All: 468.111+/-0.045 χ^2/NDF: 13986639.6/97

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -389.714+/-562.711 χ^2/NDF: 19.7/21

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

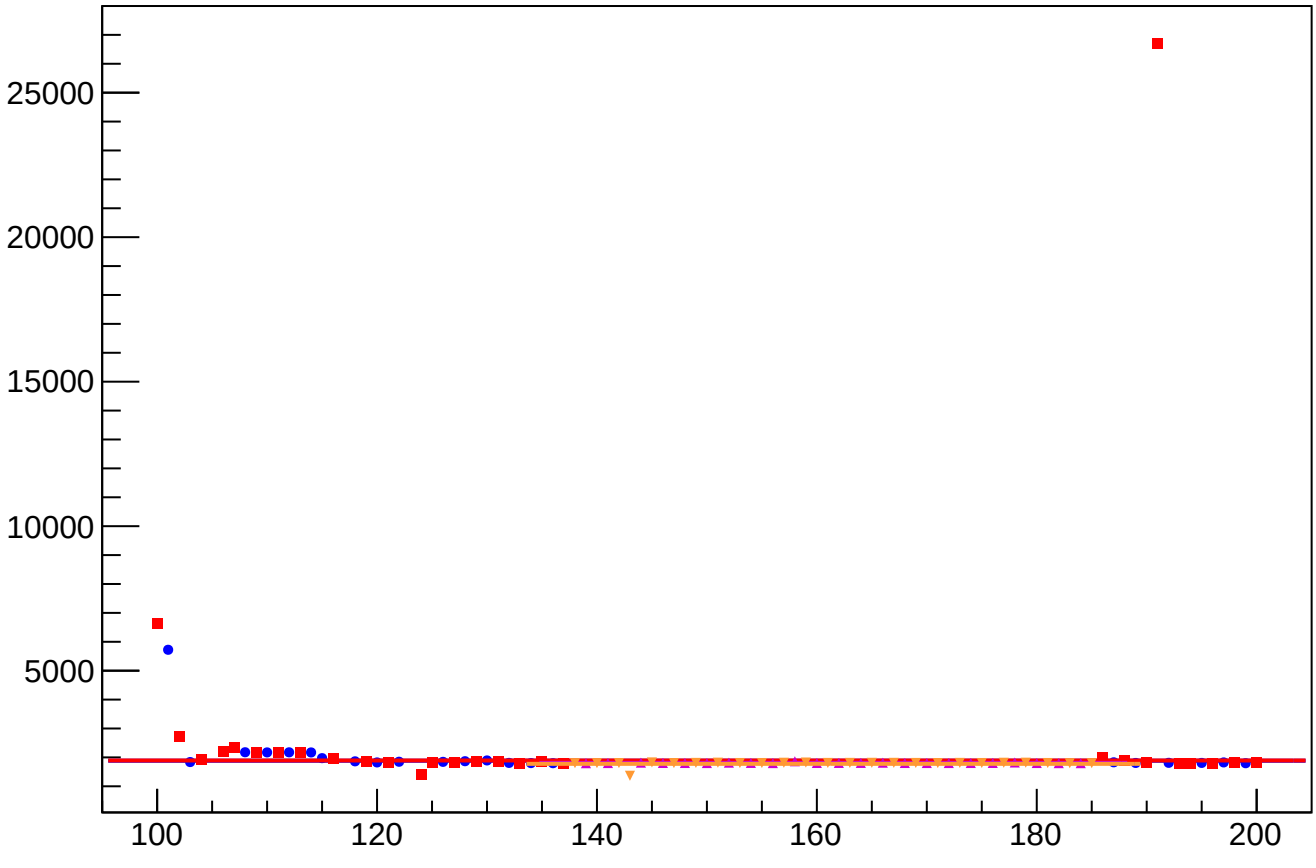
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -529.814+/-382.734 χ^2/NDF: 39.0/49

In: -358.723+/-338.048 χ^2/NDF:49.3/44

Out: -696.739+/-319.720 χ^2/NDF:41.4/52

All: -537.142+/-232.286 χ^2/NDF: 91.2/97



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

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

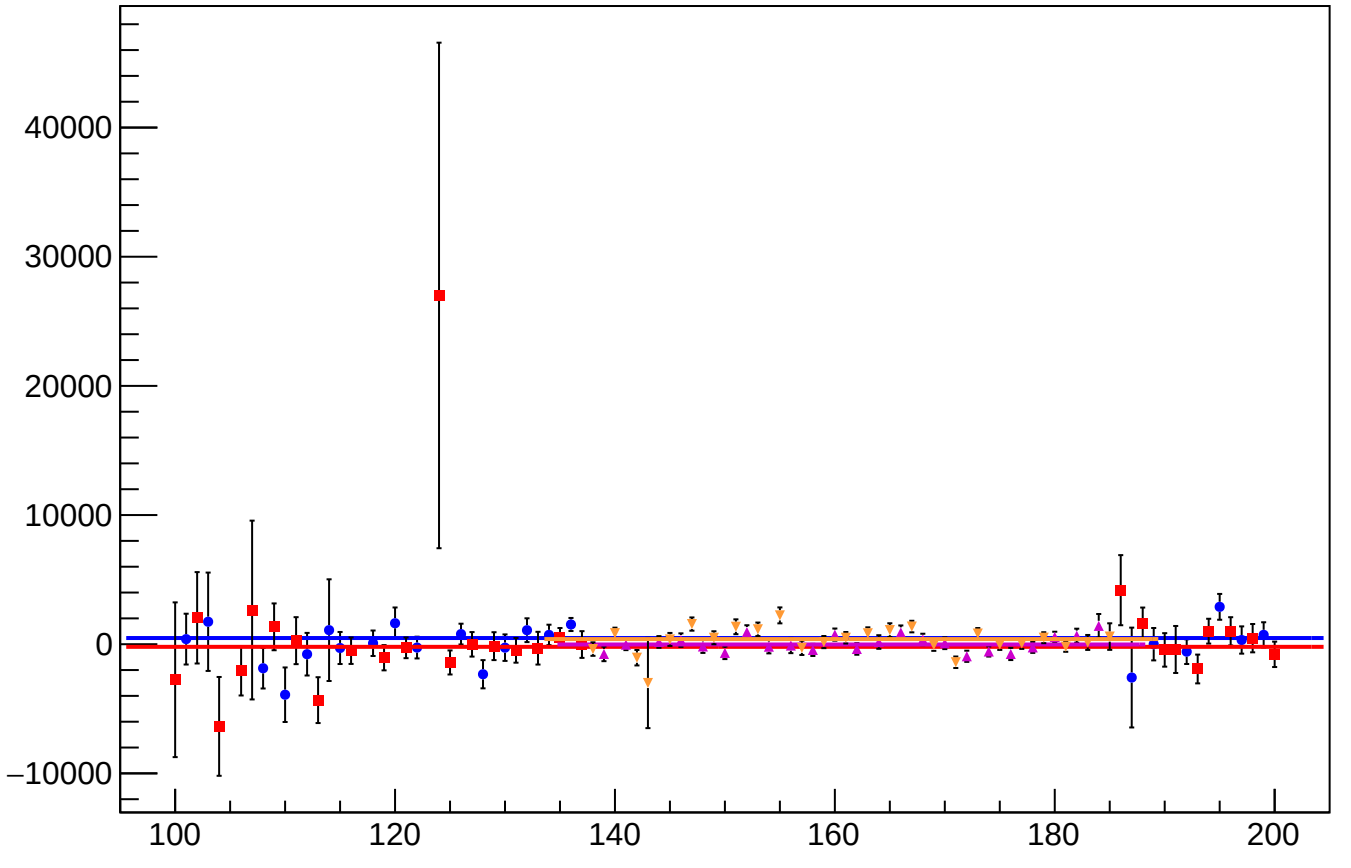
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1889.014+/-0.271 χ^2/NDF: 1284000.0/49

In: 1837.492+/-0.239 χ^2/NDF:687424.1/44

Out: 1820.366+/-0.226 χ^2/NDF:843301.3/52

All: 1828.452+/-0.164 χ^2/NDF: 1533435.0/97



Right In: 478.652+/-224.095 χ^2/NDF: 29.4/21

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

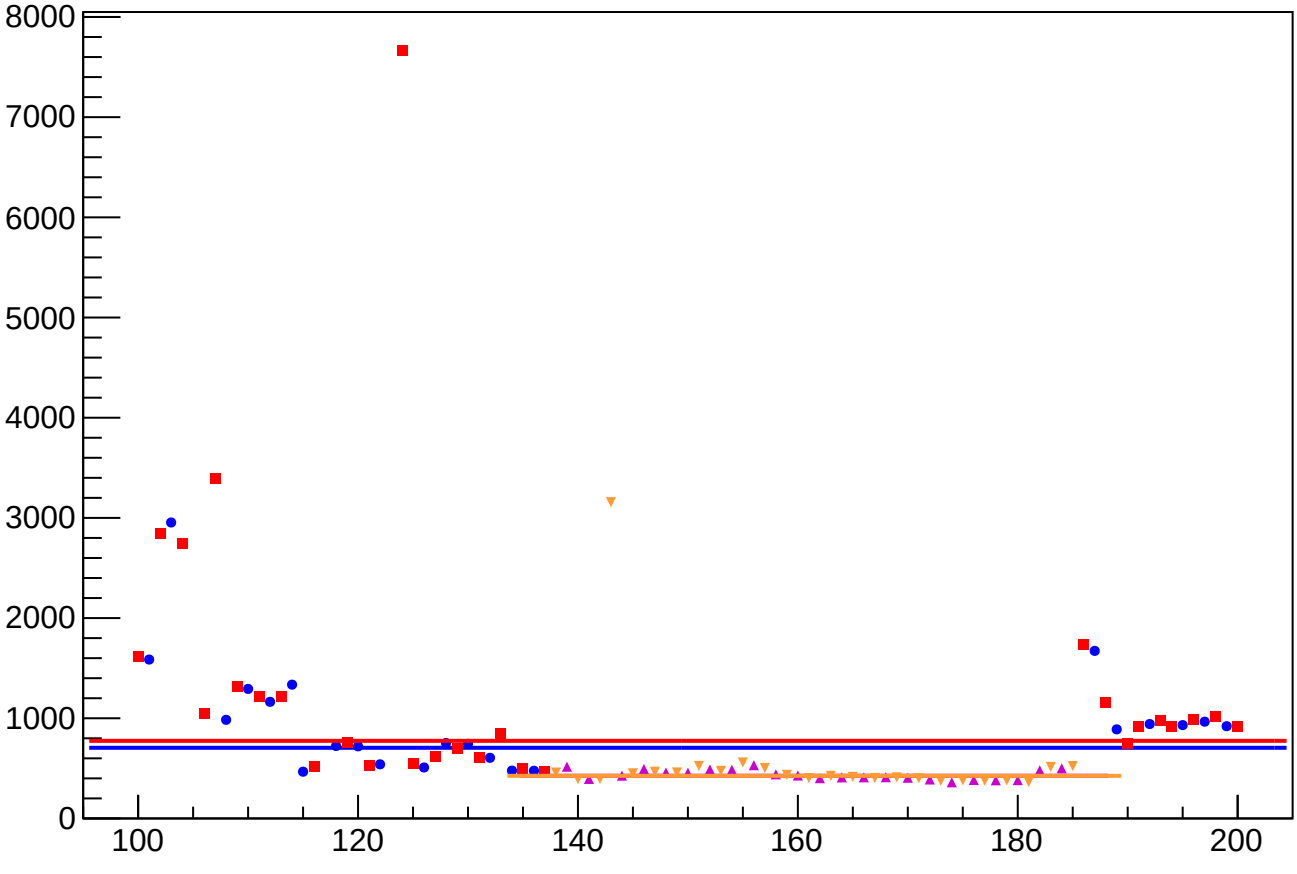
Right: 145.130+/-160.182 χ^2/NDF: 60.9/49

In: 61.961+/-91.521 χ^2/NDF:64.4/44

Out: 303.311+/-91.002 χ^2/NDF:93.2/52

All: 183.322+/-64.531 χ^2/NDF: 161.2/97

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 705.427+/-0.158 χ^2/NDF: 3014610.3/21

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

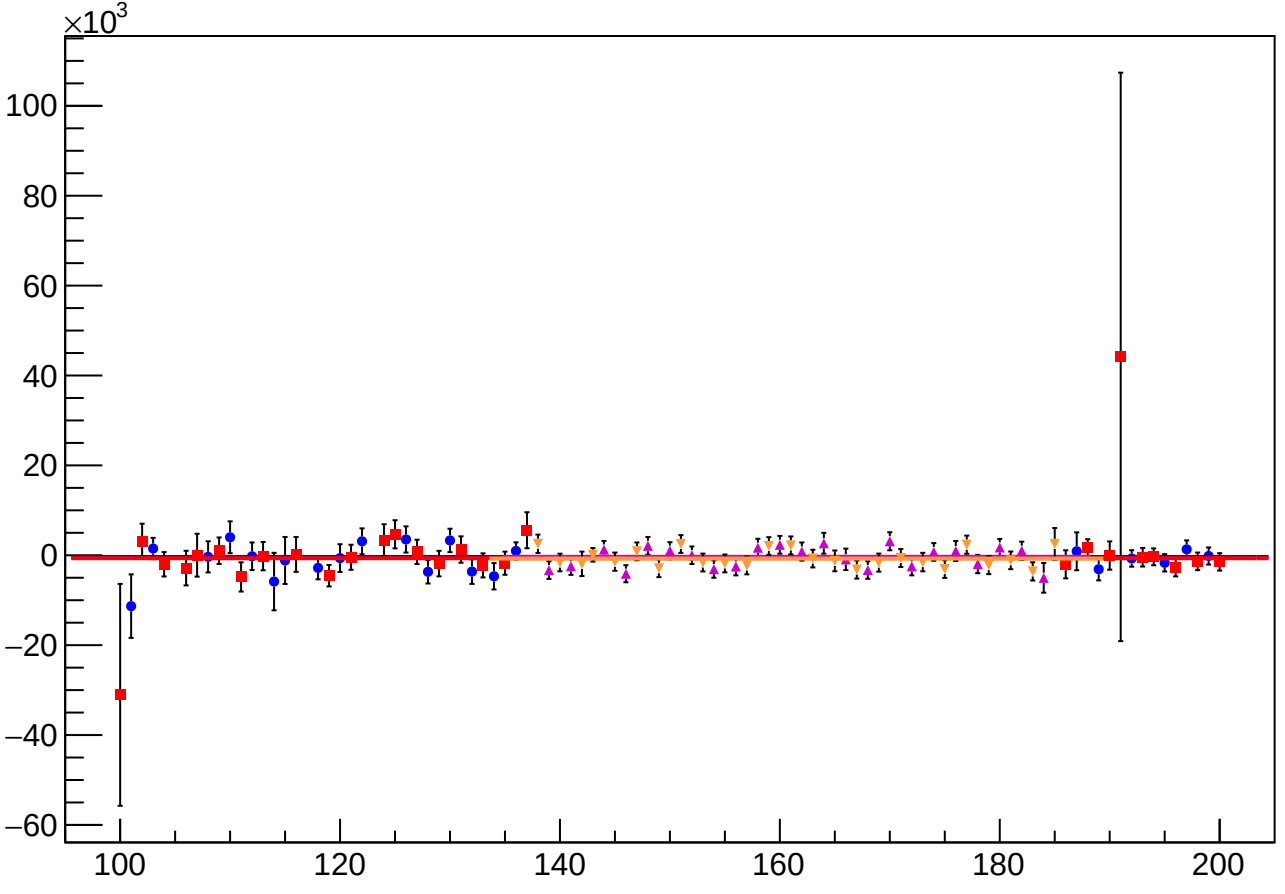
Right: 739.309+/-0.113 χ^2/NDF: 7203904.8/49

In: 472.727+/-0.065 χ^2/NDF:6018273.5/44

Out: 480.788+/-0.064 χ^2/NDF:9724465.4/52

All: 476.780+/-0.046 χ^2/NDF: 15750540.4/97

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -389.715+/-562.711 χ^2/NDF: 19.7/21

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

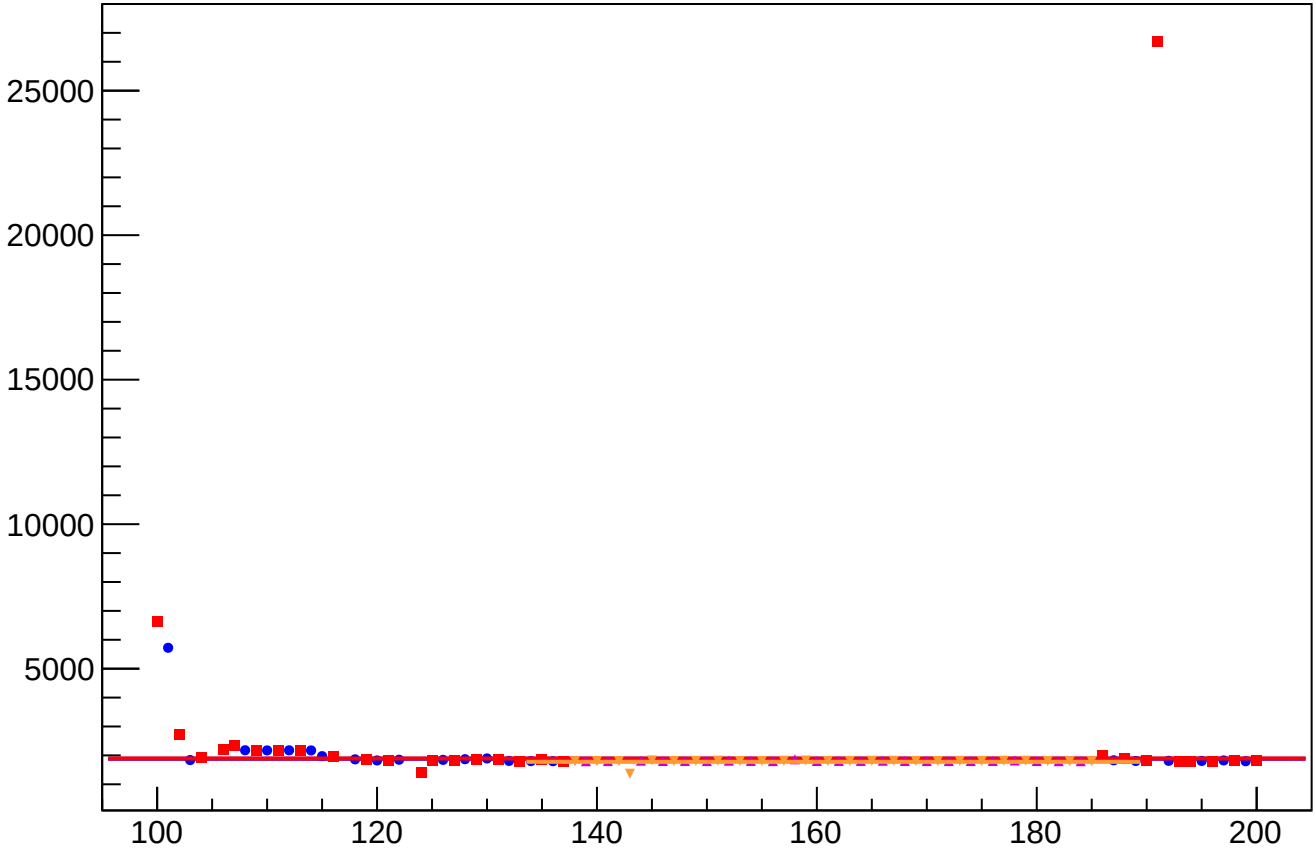
Right: -529.815+/-382.734 χ^2/NDF: 39.0/49

In: -358.724+/-338.048 χ^2/NDF:49.3/44

Out: -696.739+/-319.720 χ^2/NDF:41.4/52

All: -537.142+/-232.286 χ^2/NDF: 91.2/97

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

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

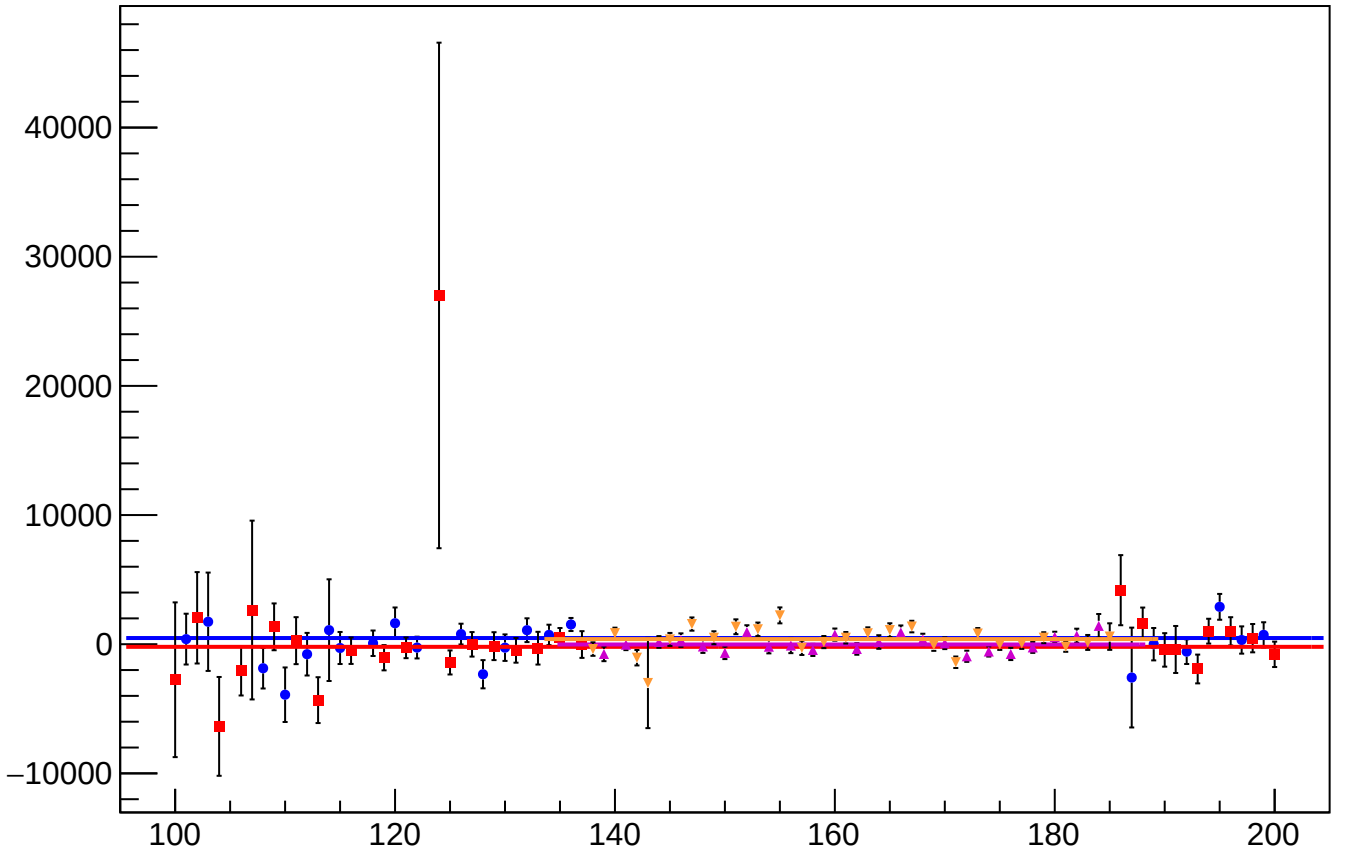
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1889.014+/-0.271 χ^2/NDF: 1283999.8/49

In: 1837.492+/-0.239 χ^2/NDF:687424.1/44

Out: 1820.366+/-0.226 χ^2/NDF:843301.1/52

All: 1828.452+/-0.164 χ^2/NDF: 1533434.8/97



Right In: 478.650+/-224.095 χ^2/NDF: 29.4/21

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

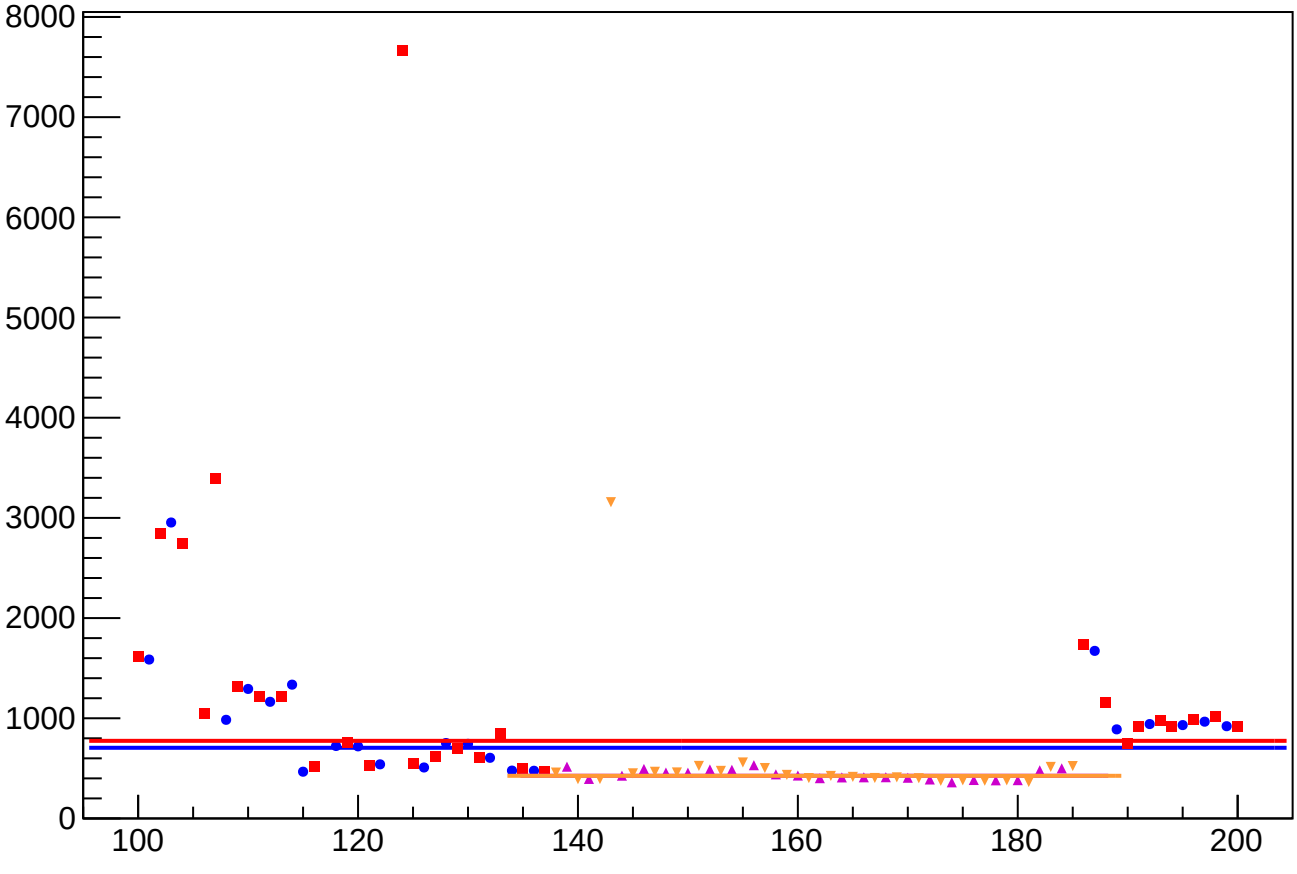
Right: 145.129+/-160.182 χ^2/NDF: 60.9/49

In: 61.962+/-91.521 χ^2/NDF:64.4/44

Out: 303.310+/-91.002 χ^2/NDF:93.2/52

All: 183.322+/-64.531 χ^2/NDF: 161.2/97

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 705.427+/-0.158 χ^2/NDF: 3014611.6/21

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

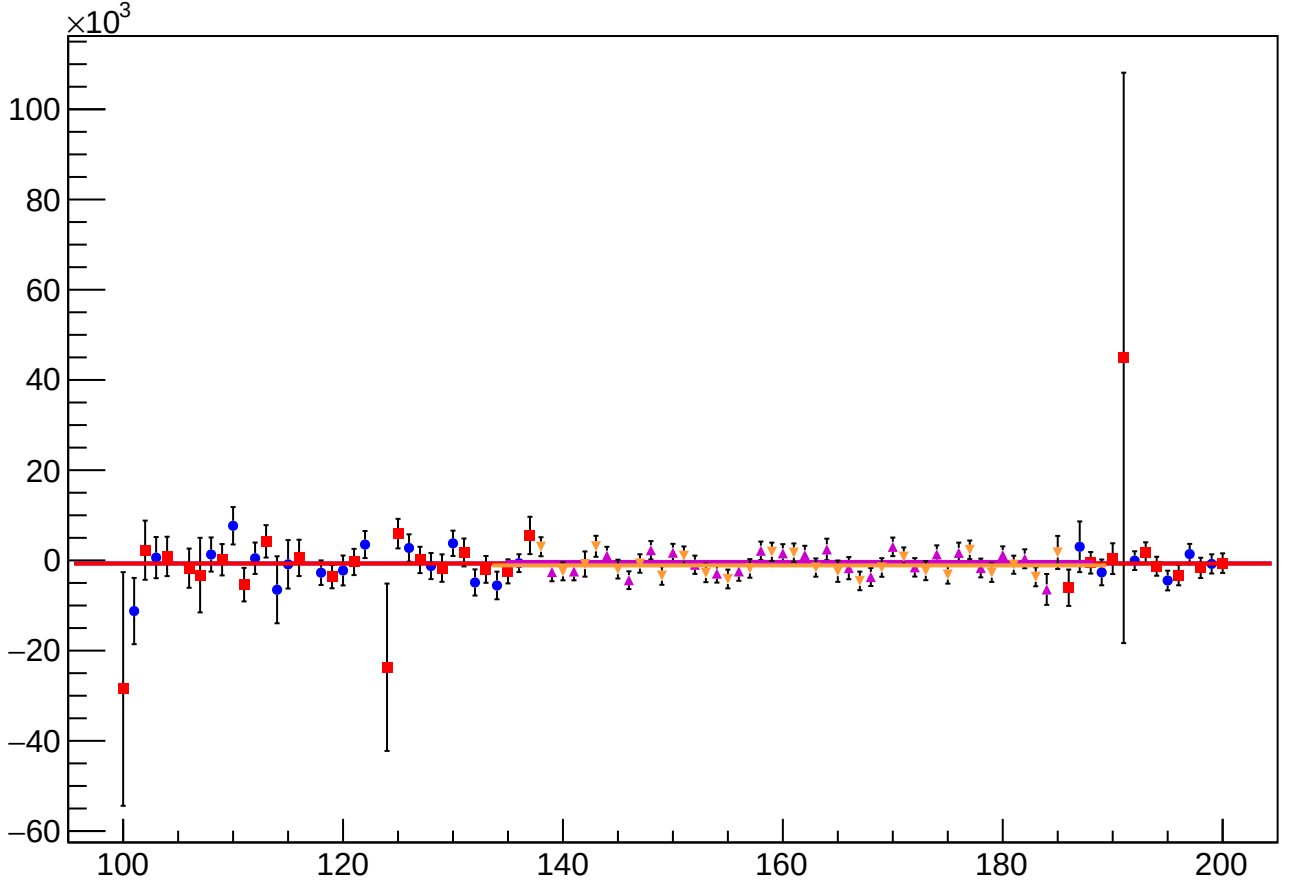
Right: 739.309+/-0.113 χ^2/NDF: 7203909.7/49

In: 472.727+/-0.065 χ^2/NDF:6018279.8/44

Out: 480.787+/-0.064 χ^2/NDF:9724475.6/52

All: 476.780+/-0.046 χ^2/NDF: 15750556.7/97

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -677.183+/-630.565 χ^2/NDF: 23.3/21

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

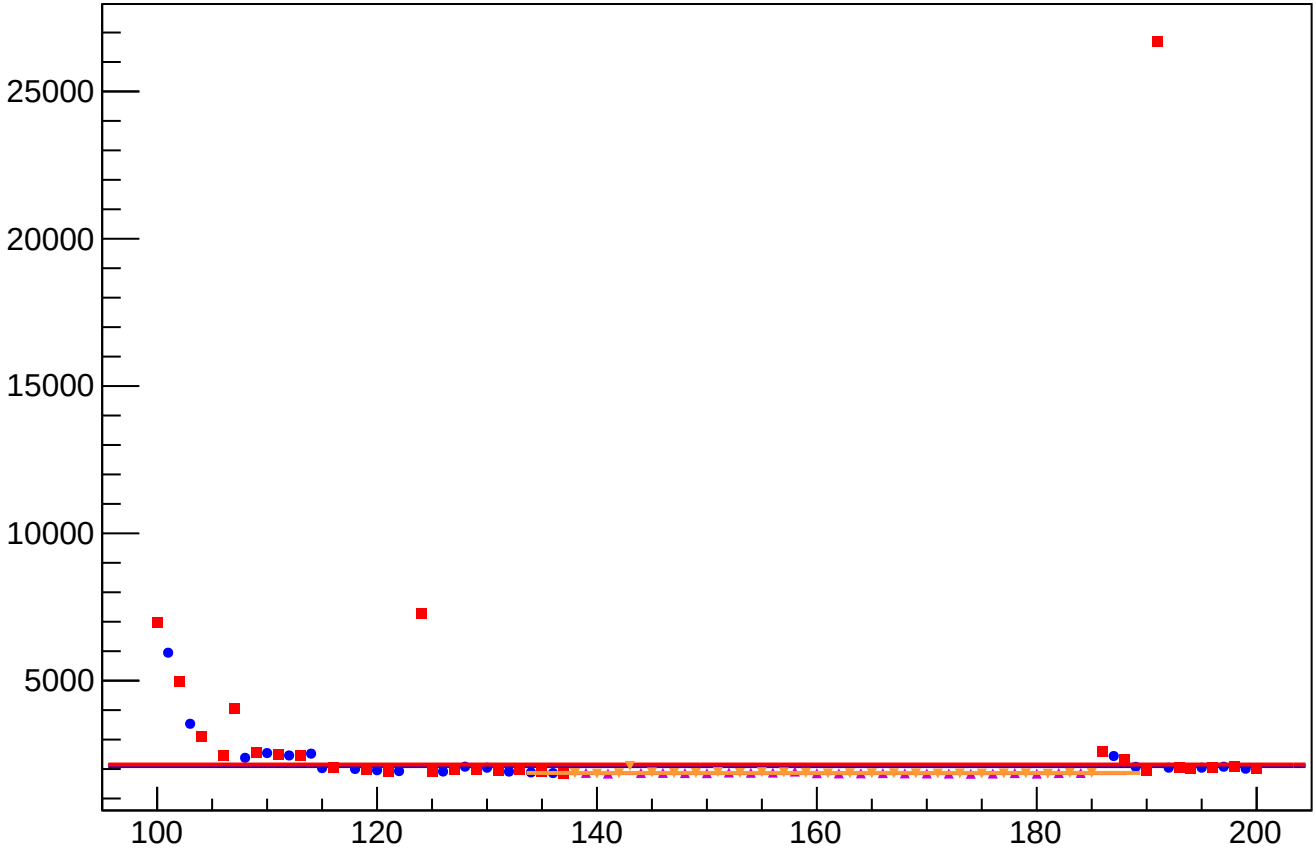
Right: -684.600+/-434.593 χ^2/NDF: 44.1/49

In: -453.406+/-358.034 χ^2/NDF:52.2/44

Out: -967.404+/-346.581 χ^2/NDF:49.1/52

All: -718.758+/-249.020 χ^2/NDF: 102.4/97

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2100.281+/-0.446 χ^2/NDF: 891065.8/21

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

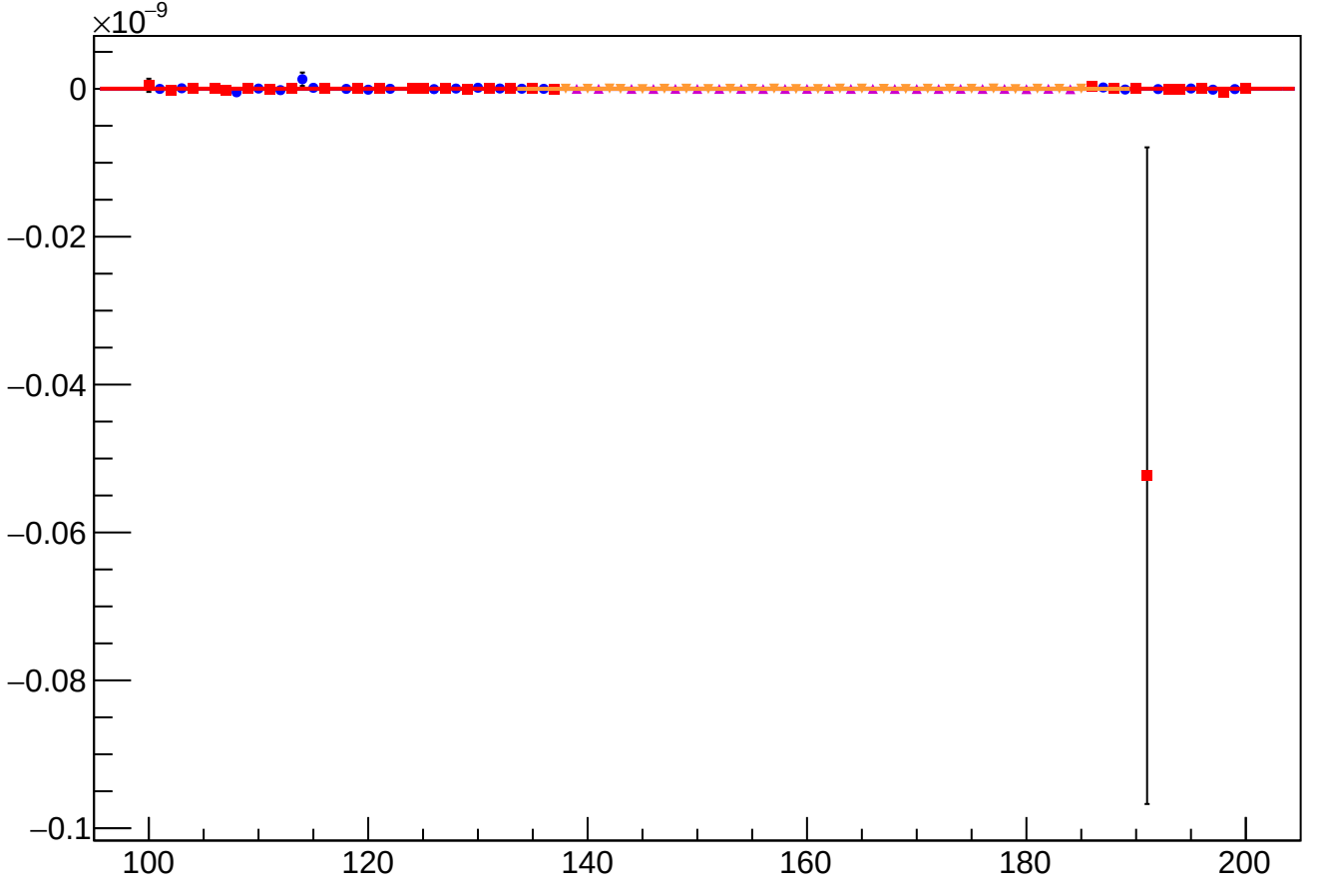
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2127.919+/-0.307 χ^2/NDF: 2213571.2/49

In: 1939.382+/-0.253 χ^2/NDF:1085957.6/44

Out: 1963.758+/-0.245 χ^2/NDF:1637145.2/52

All: 1951.966+/-0.176 χ^2/NDF: 2727888.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/21

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

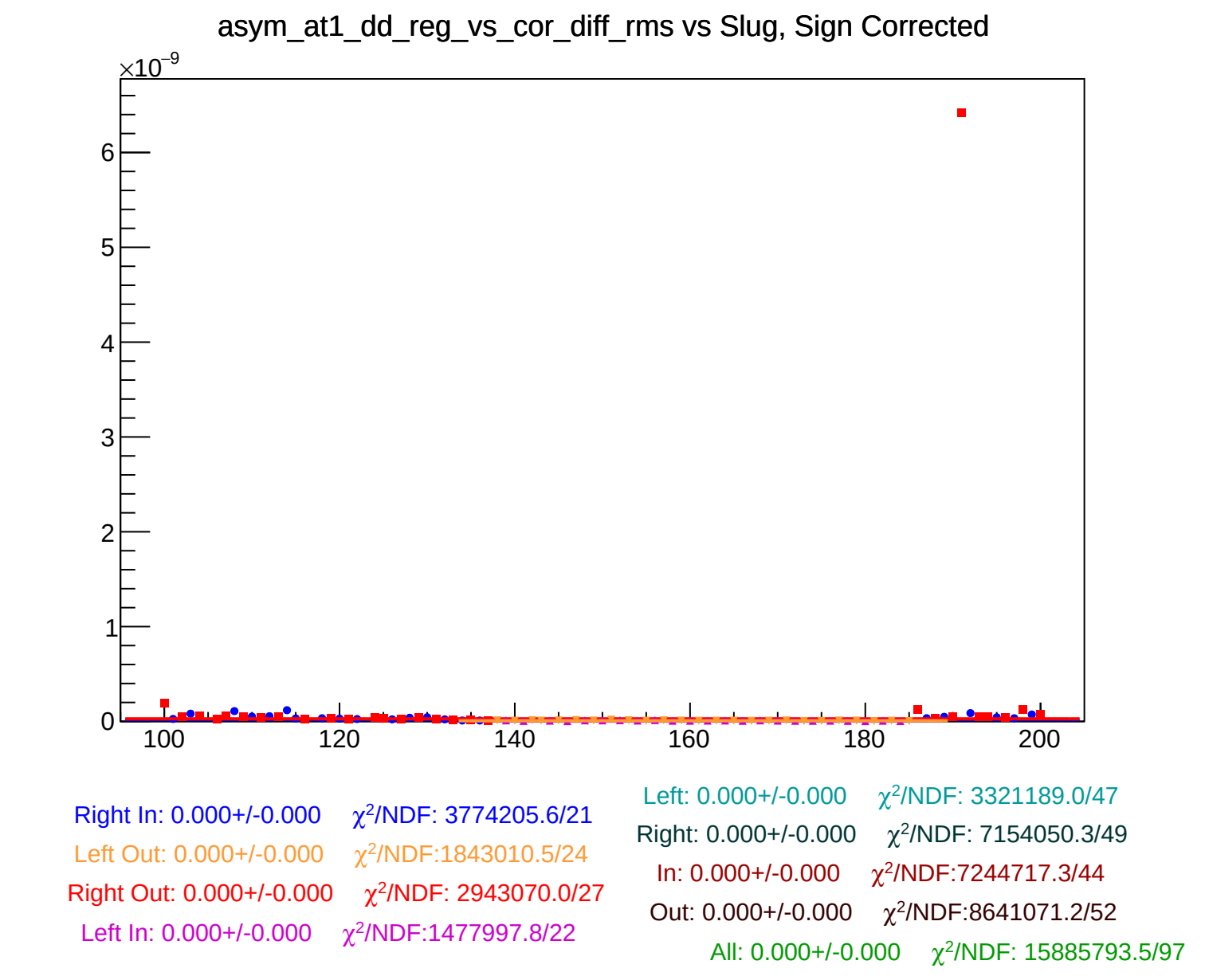
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

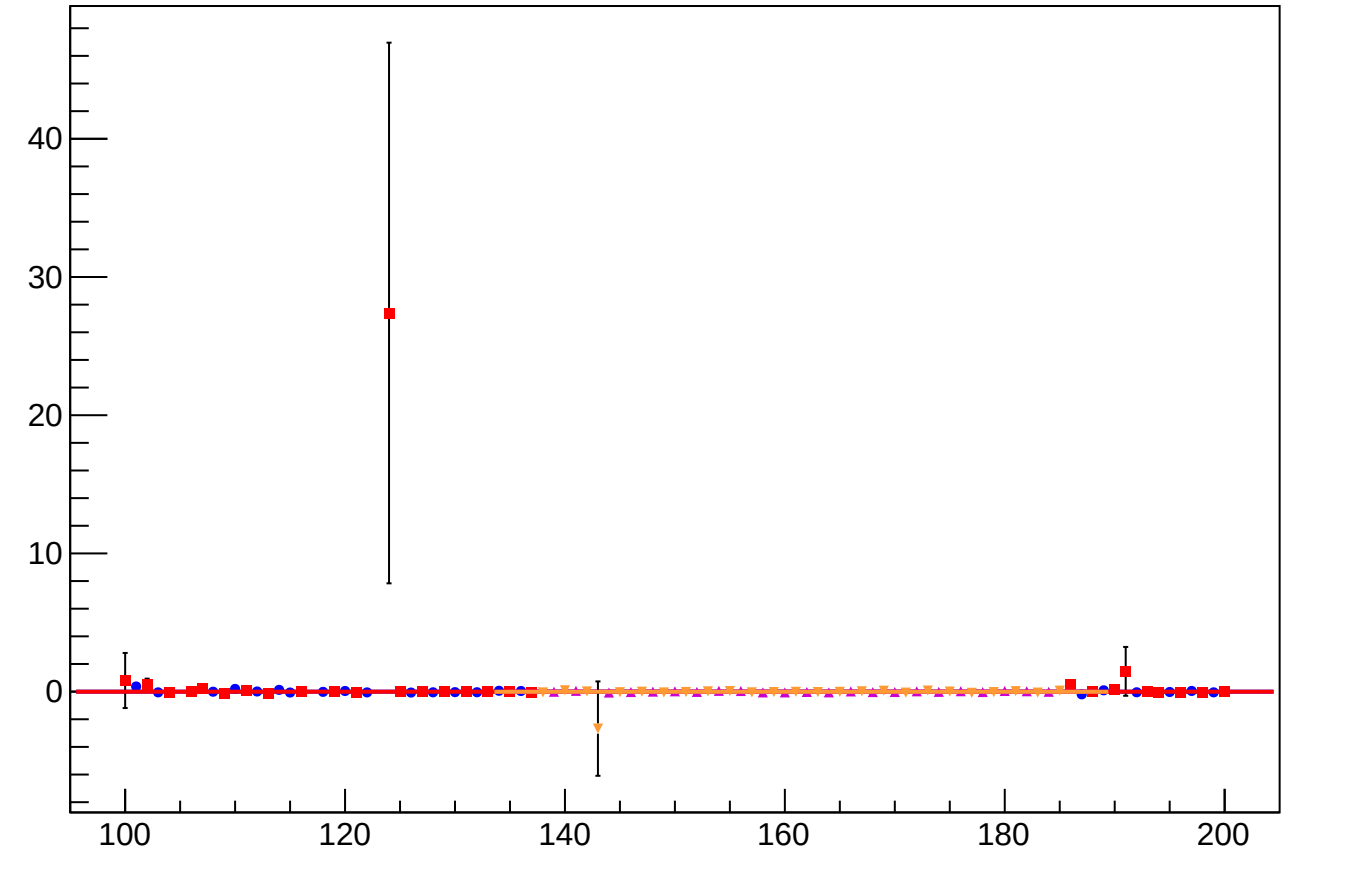
Right: 0.000+/-0.000 χ^2/NDF: 49.0/49

In: -0.000+/-0.000 χ^2/NDF:39.6/44

Out: 0.000+/-0.000 χ^2/NDF:69.4/52

All: -0.000+/-0.000 χ^2/NDF: 111.1/97


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3774205.6/21
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2943070.0/27
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 7154050.3/49
In: 0.000+/-0.000 χ²/NDF:7244717.3/44
Out: 0.000+/-0.000 χ²/NDF:8641071.2/52
All: 0.000+/-0.000 χ²/NDF: 15885793.5/97



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

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

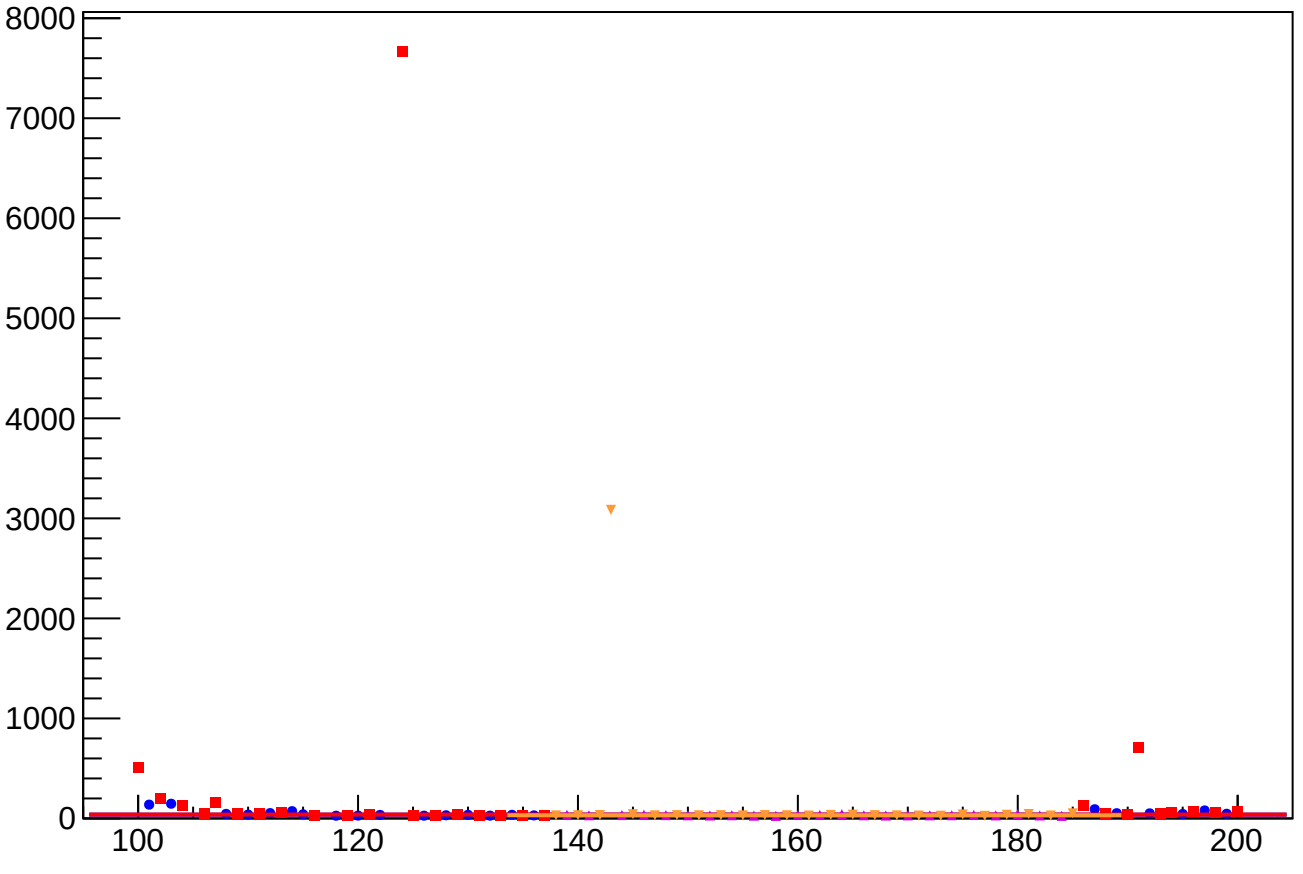
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.004+/-0.009 χ^2/NDF: 50.7/49

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.006+/-0.005 χ^2/NDF: 111.4/97



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

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

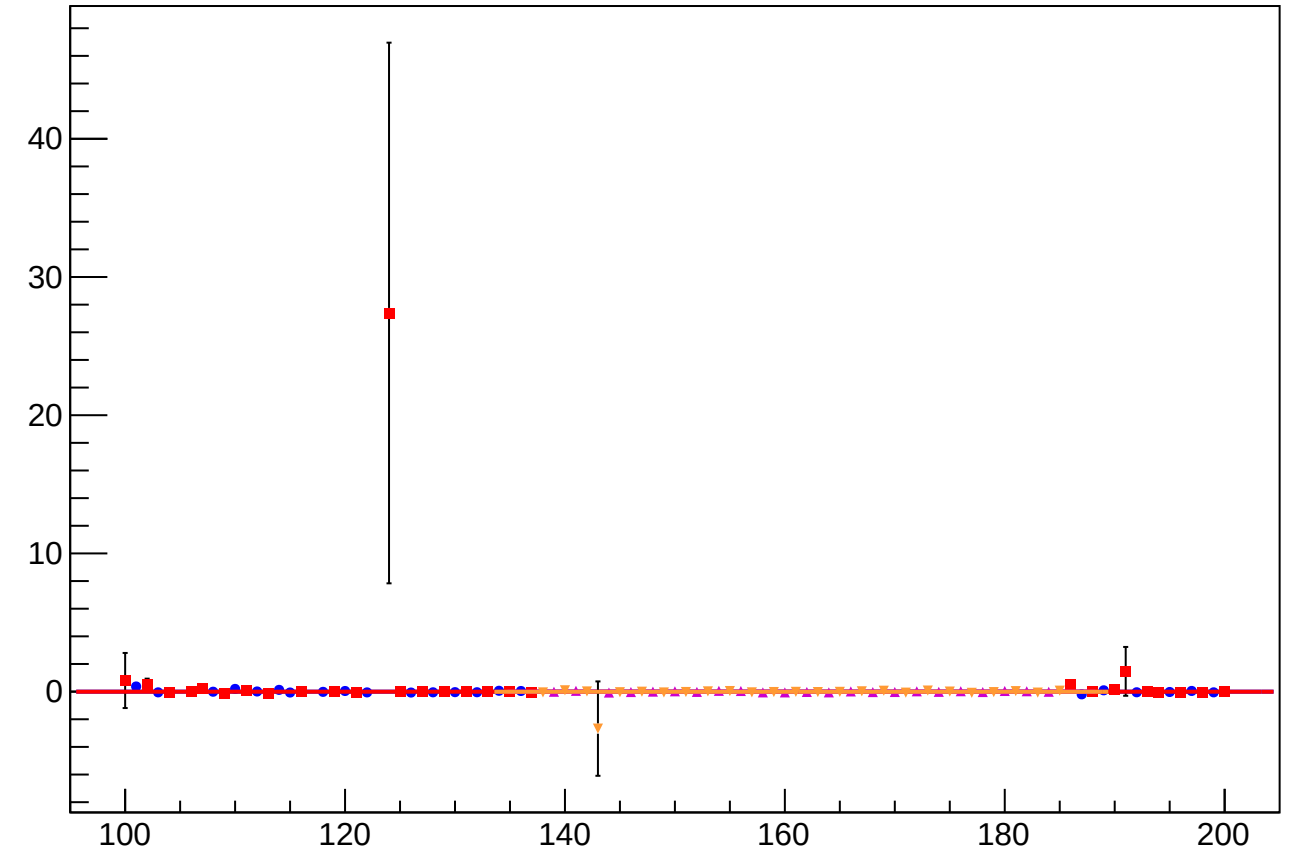
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.458+/-0.006 χ^2/NDF: 6779716.7/49

In: 33.988+/-0.005 χ^2/NDF:3313242.3/44

Out: 34.241+/-0.005 χ^2/NDF:6645231.5/52

All: 34.115+/-0.003 χ^2/NDF: 9959794.7/97



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

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

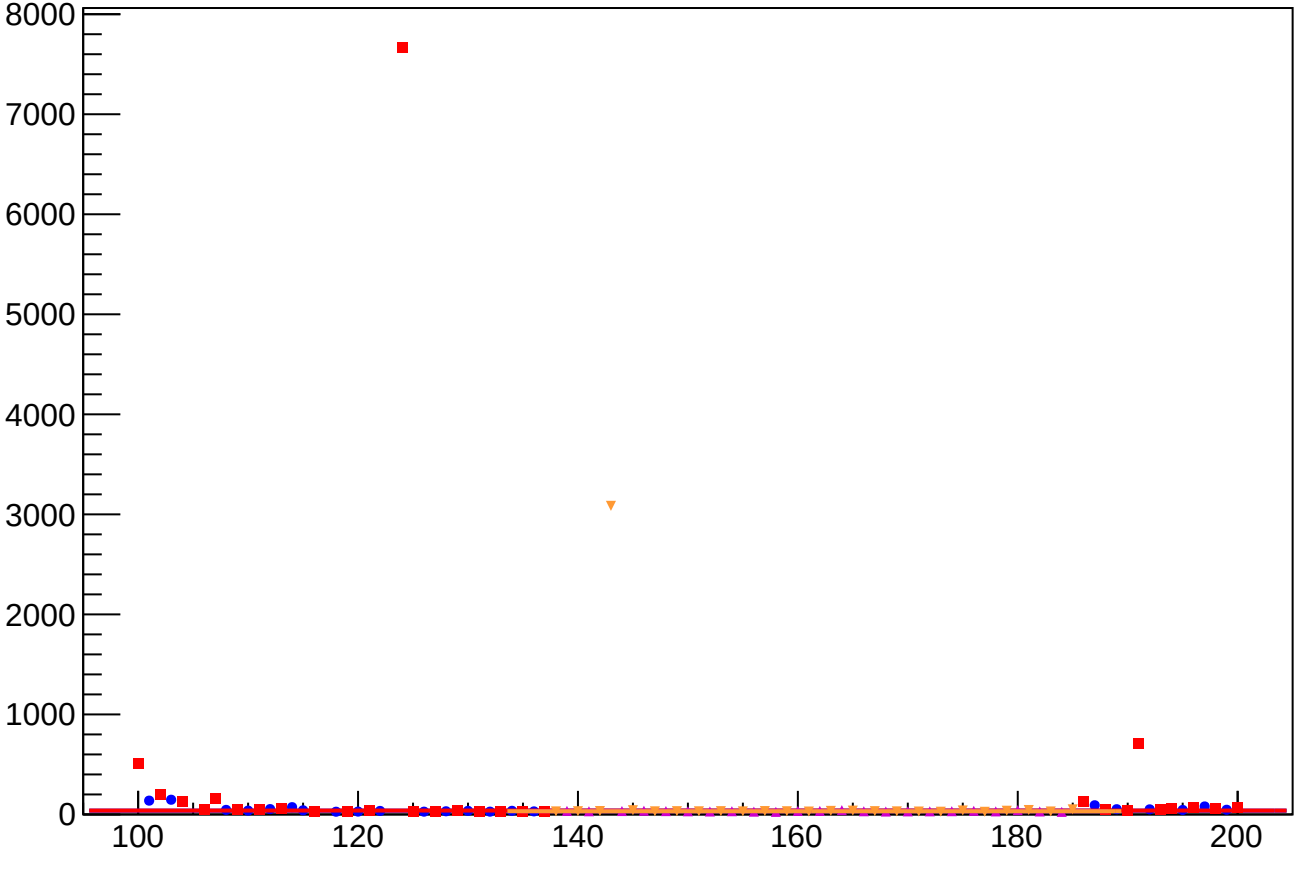
Right: -0.004+/-0.009 χ^2/NDF: 50.7/49

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.006+/-0.005 χ^2/NDF: 111.4/97

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

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

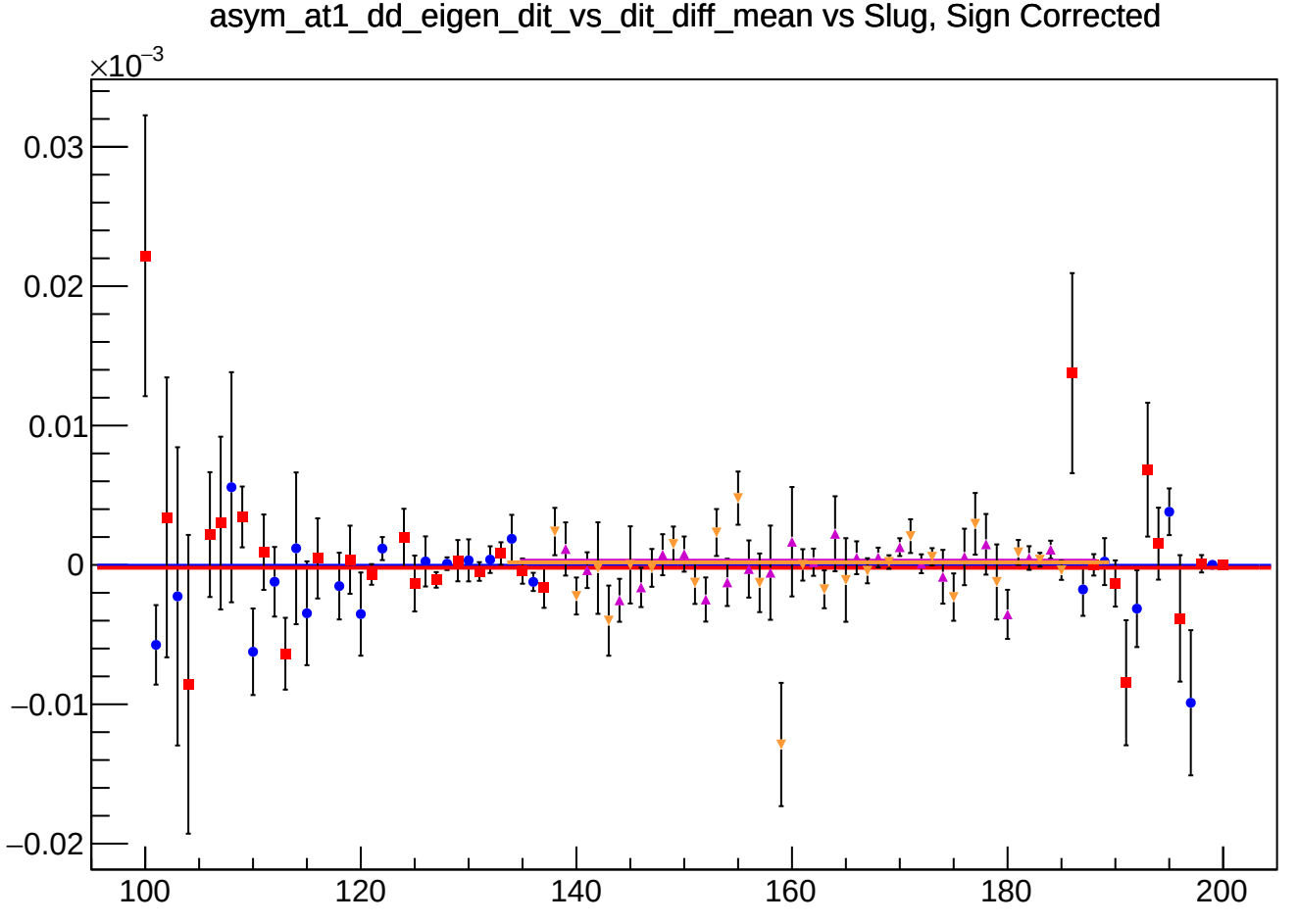
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.458+/-0.006 χ^2/NDF: 6779716.7/49

In: 33.988+/-0.005 χ^2/NDF:3313242.3/44

Out: 34.241+/-0.005 χ^2/NDF:6645231.5/52

All: 34.115+/-0.003 χ^2/NDF: 9959794.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/21

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

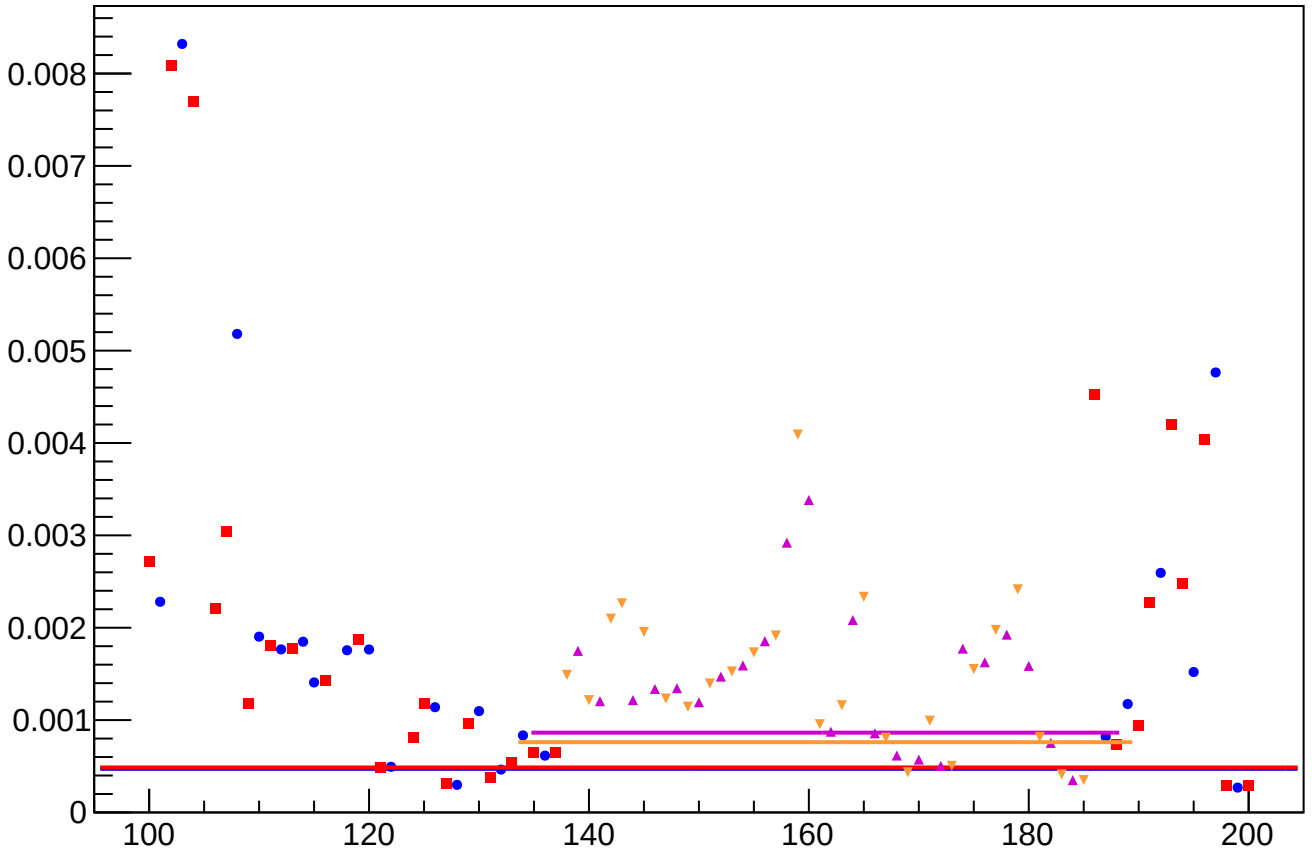
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.2/49

In: 0.000+/-0.000 χ^2/NDF:50.9/44

Out: -0.000+/-0.000 χ^2/NDF:73.0/52

All: 0.000+/-0.000 χ^2/NDF: 124.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 10537971.3/21

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

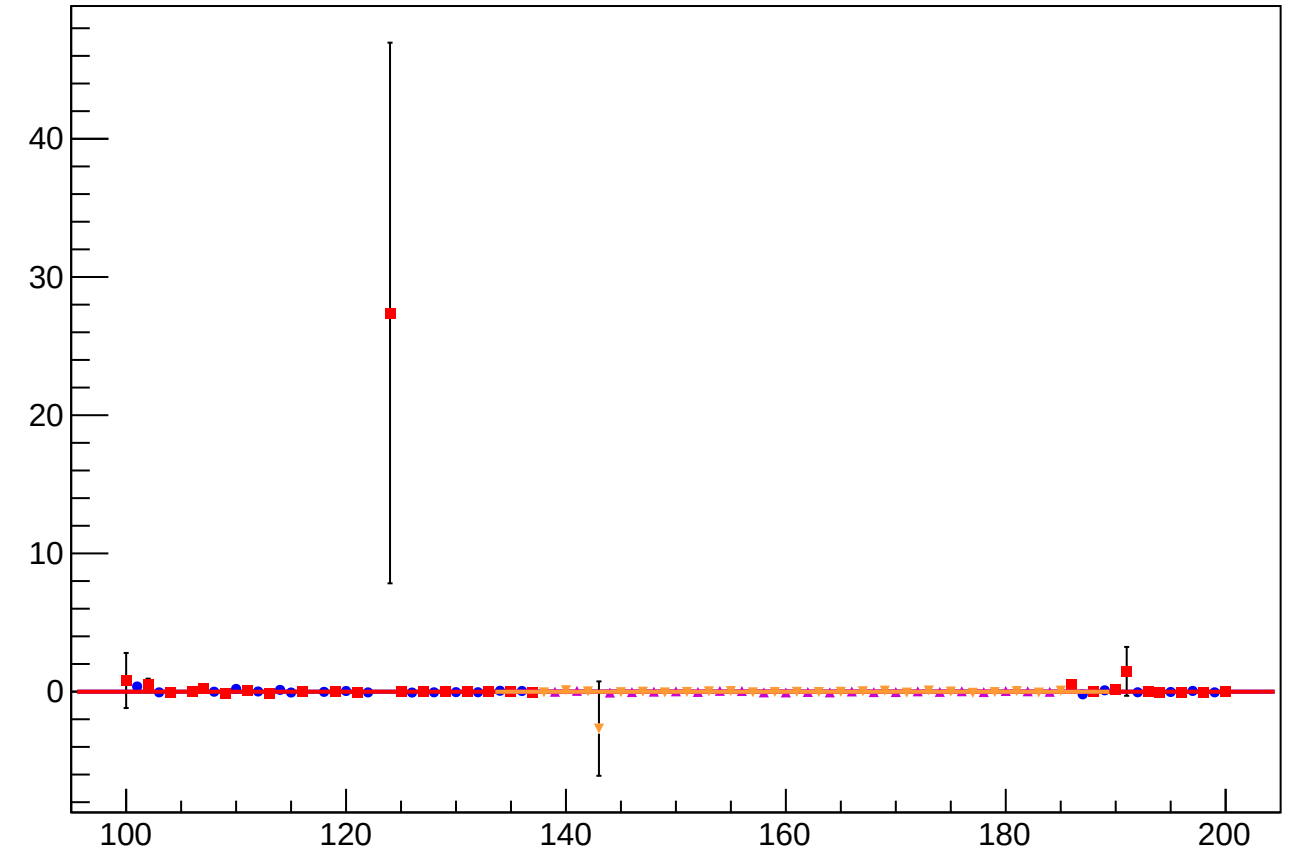
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22140562.4/49

In: 0.001+/-0.000 χ^2/NDF:22124054.4/44

Out: 0.001+/-0.000 χ^2/NDF:24528200.7/52

All: 0.001+/-0.000 χ^2/NDF: 46680271.6/97



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

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

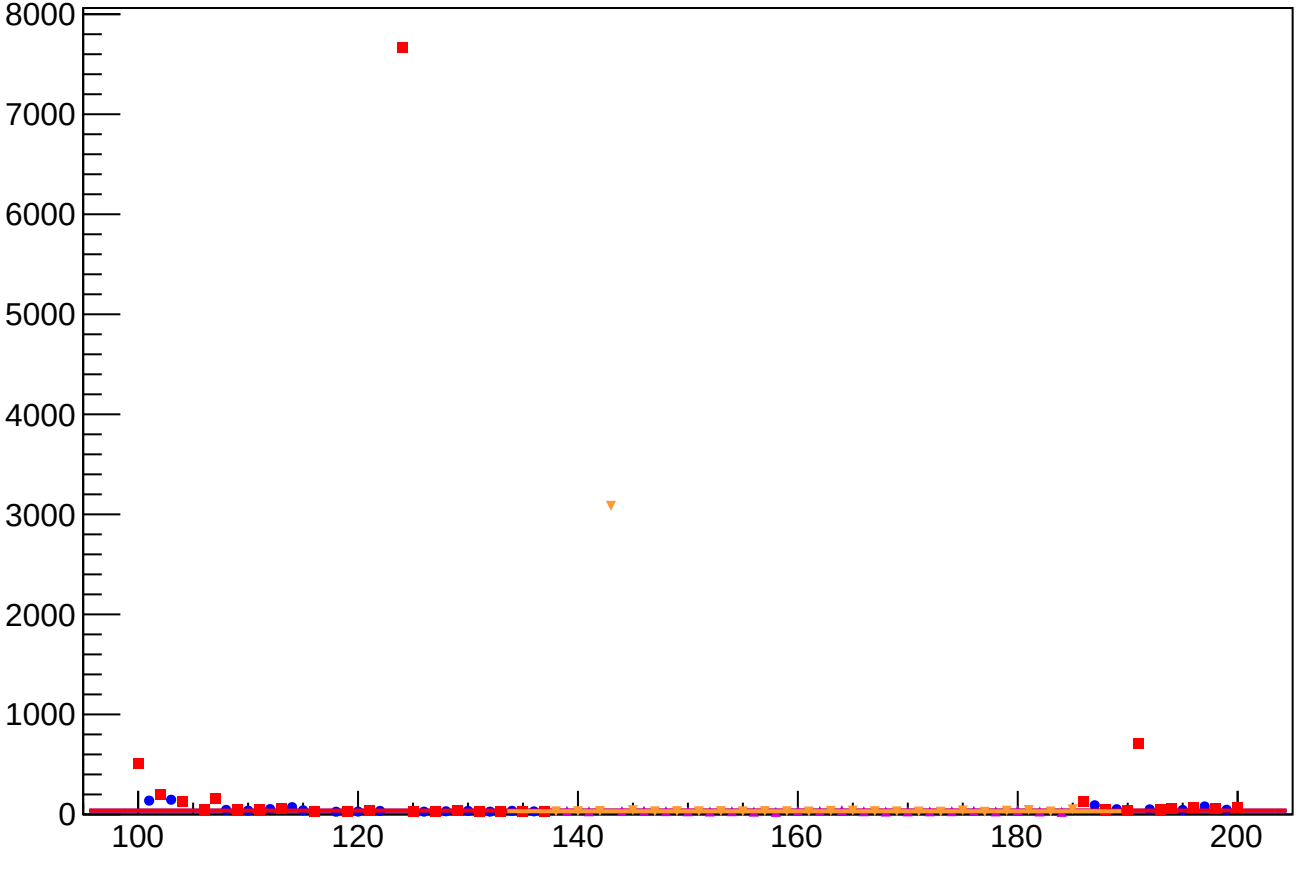
Right: -0.004+/-0.009 χ^2/NDF: 50.7/49

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.006+/-0.005 χ^2/NDF: 111.4/97

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

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

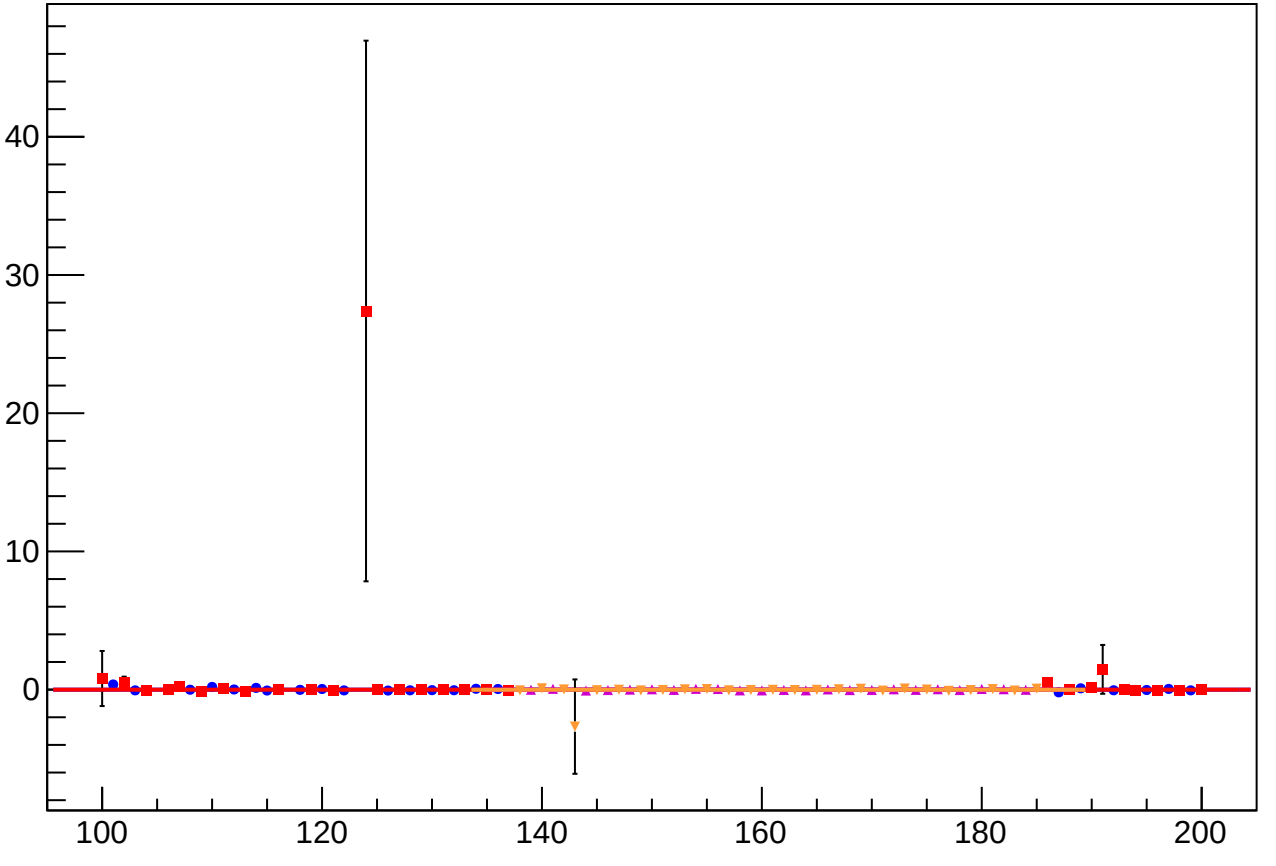
Right: 38.458+/-0.006 χ^2/NDF: 6779676.8/49

In: 33.988+/-0.005 χ^2/NDF:3313098.5/44

Out: 34.241+/-0.005 χ^2/NDF:6645263.0/52

All: 34.115+/-0.003 χ^2/NDF: 9959679.8/97

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

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

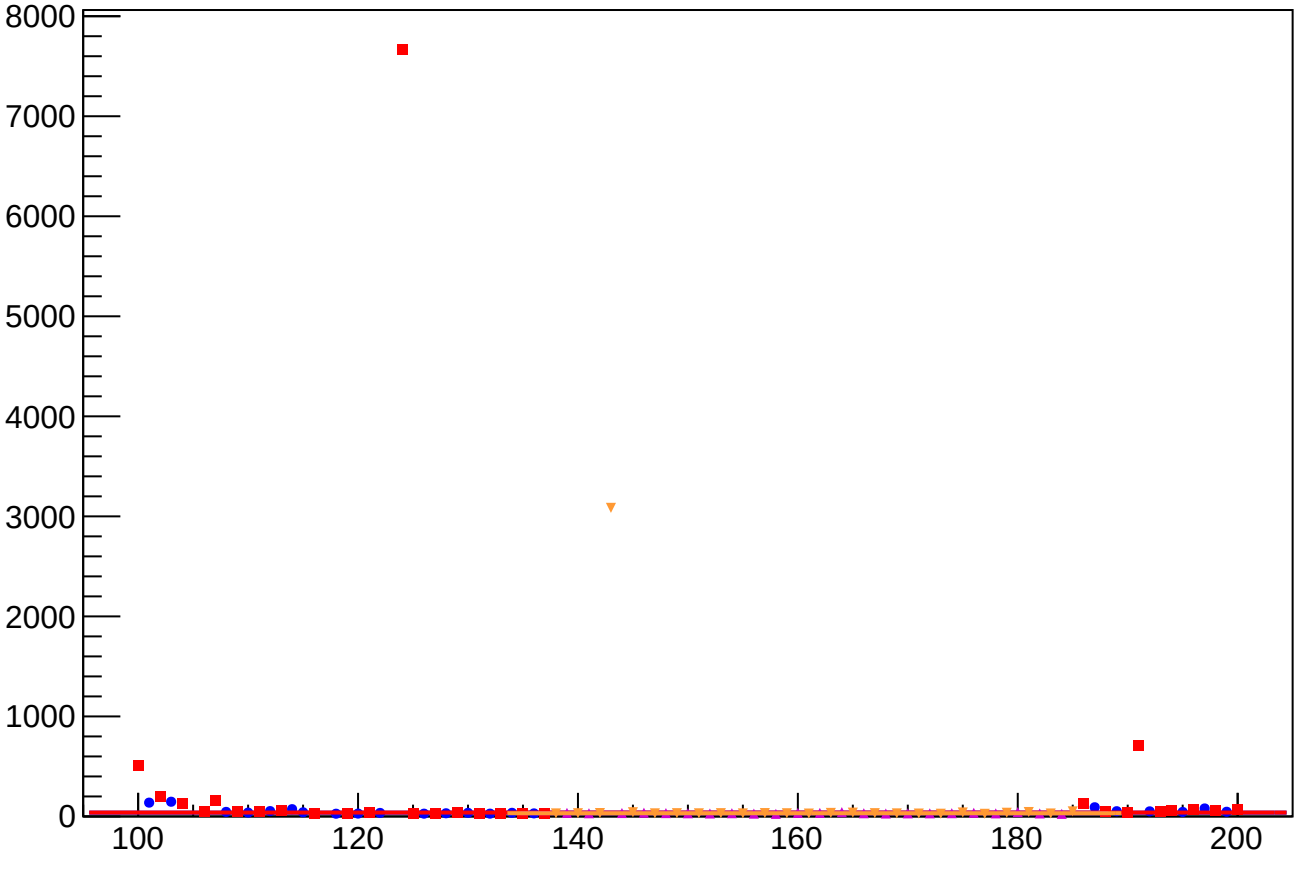
Right: -0.004+/-0.009 χ^2/NDF: 50.7/49

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:65.1/52

All: -0.006+/-0.005 χ^2/NDF: 111.4/97

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

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

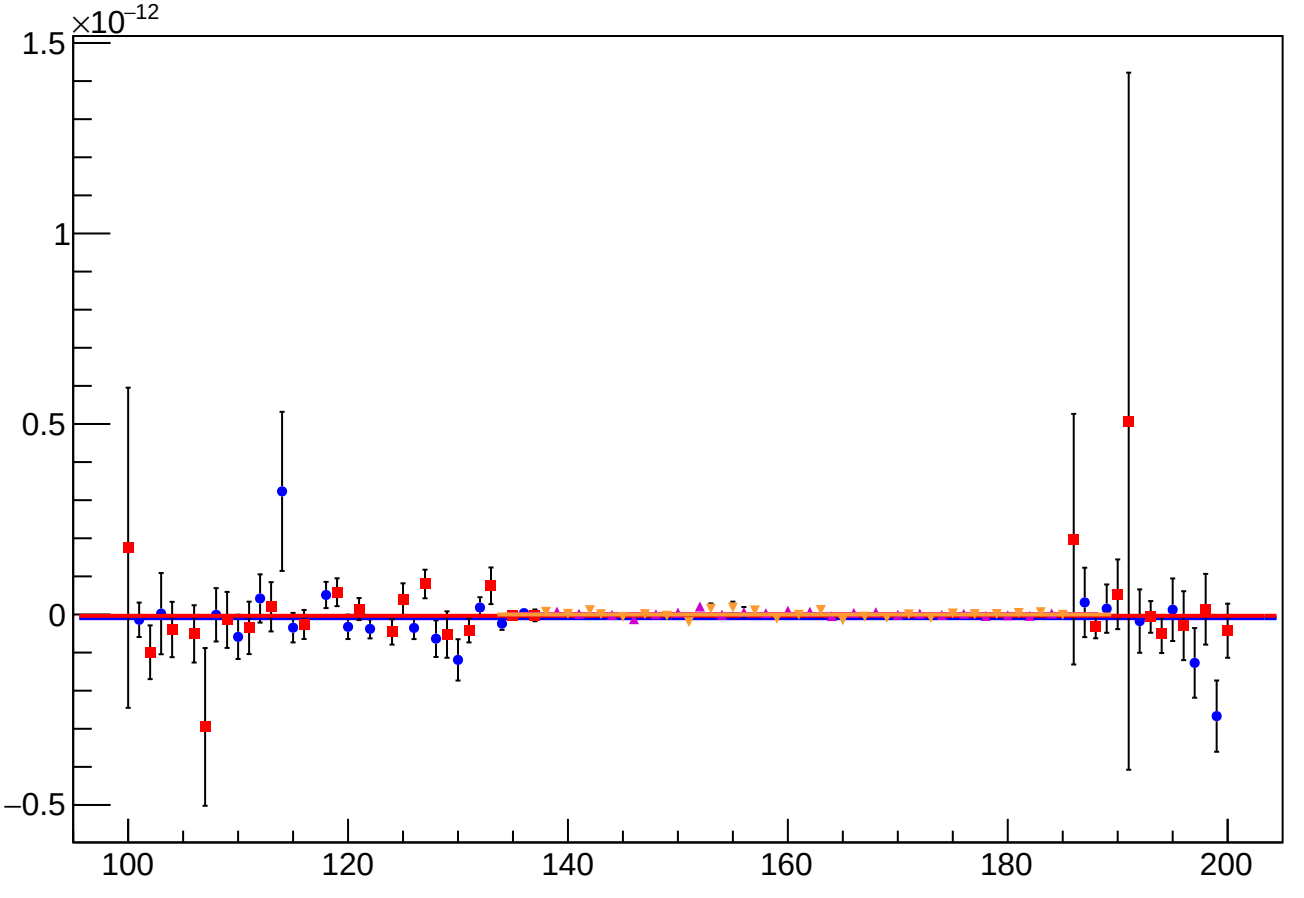
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 38.458+/-0.006 χ^2/NDF: 6779676.8/49

In: 33.988+/-0.005 χ^2/NDF:3313098.5/44

Out: 34.241+/-0.005 χ^2/NDF:6645263.0/52

All: 34.115+/-0.003 χ^2/NDF: 9959679.8/97



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/21

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

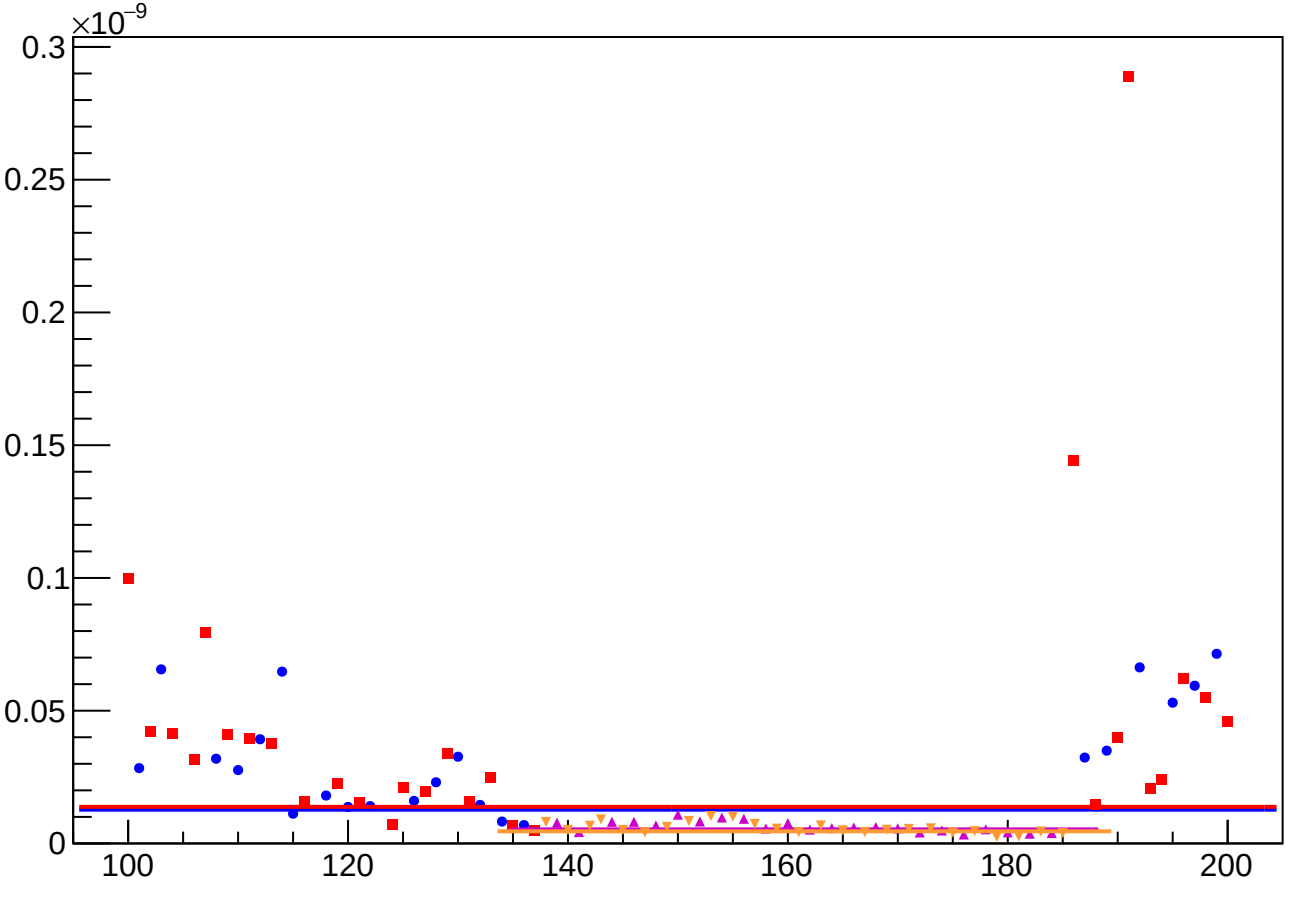
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 53.7/49

In: 0.000+/-0.000 χ^2/NDF:40.9/44

Out: -0.000+/-0.000 χ^2/NDF:45.6/52

All: 0.000+/-0.000 χ^2/NDF: 86.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 5866886.3/21

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

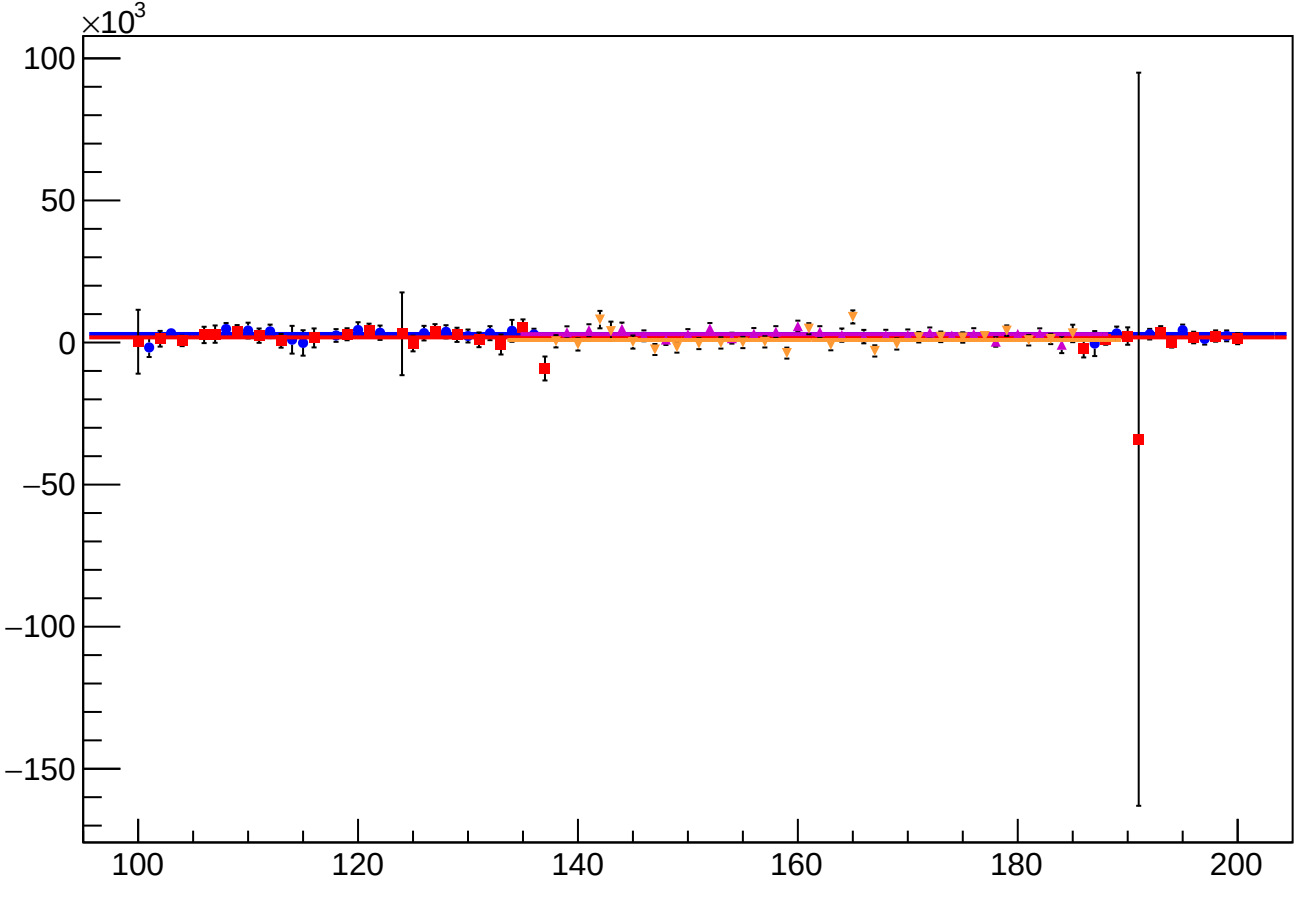
Right: 0.000+/-0.000 χ^2/NDF: 11924675.2/49

In: 0.000+/-0.000 χ^2/NDF:10720033.6/44

Out: 0.000+/-0.000 χ^2/NDF:12341001.5/52

All: 0.000+/-0.000 χ^2/NDF: 23330807.4/97

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.774+/-511.636 χ^2/NDF: 6.3/21

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

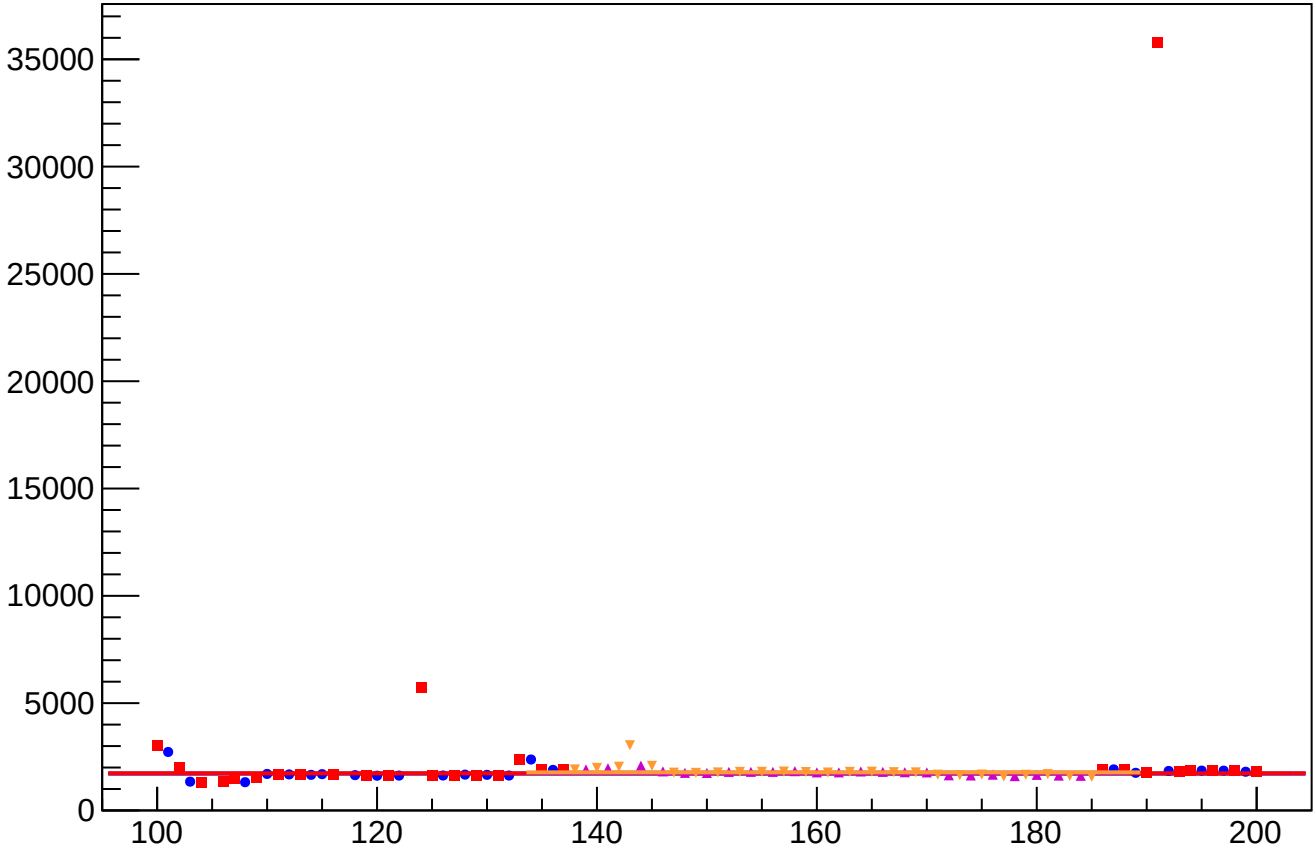
Right: 2371.979+/-350.278 χ^2/NDF: 27.1/49

In: 2968.658+/-320.925 χ^2/NDF:16.8/44

Out: 1278.321+/-309.930 χ^2/NDF:65.3/52

All: 2094.035+/-222.939 χ^2/NDF: 96.5/97

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.3/21

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

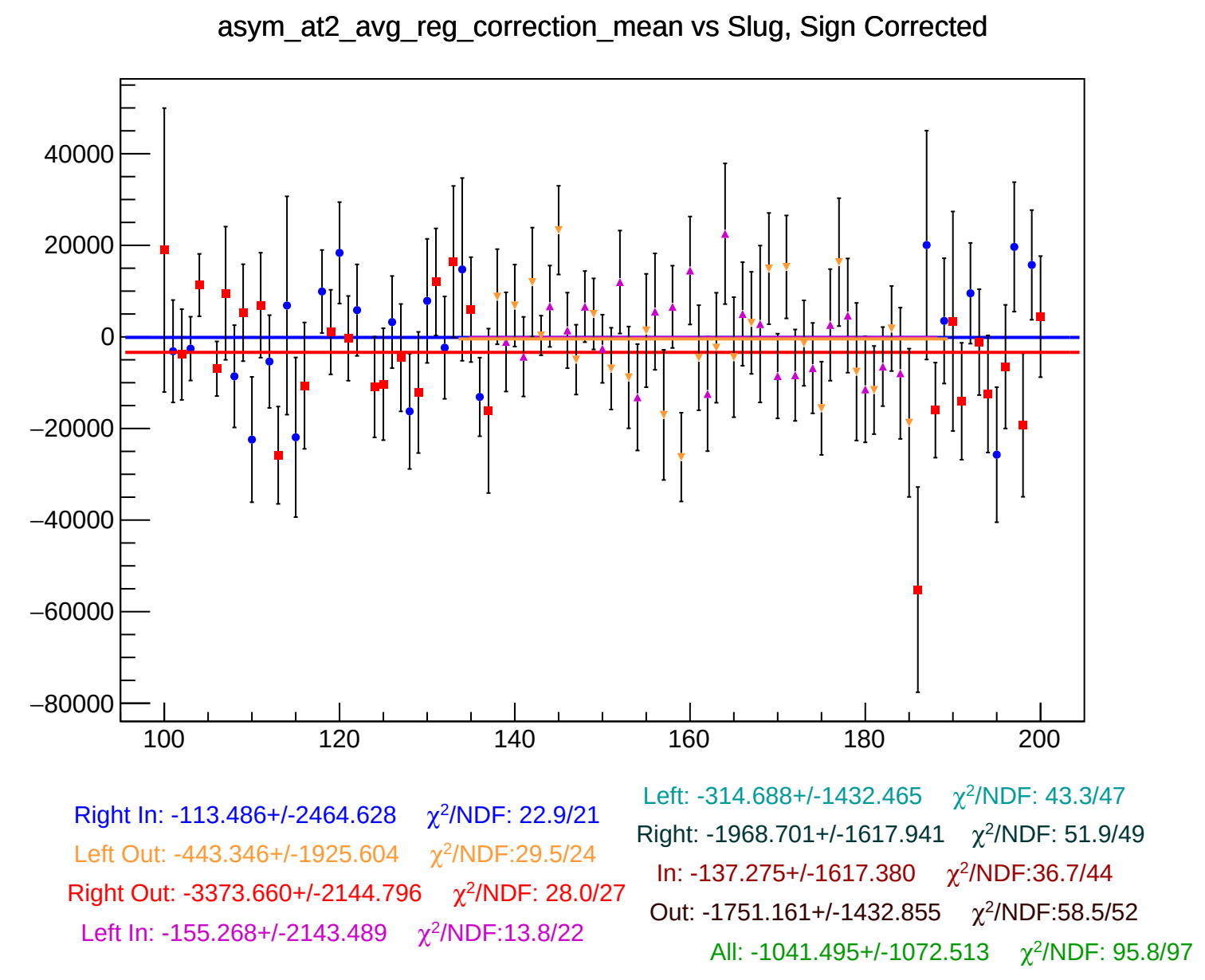
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

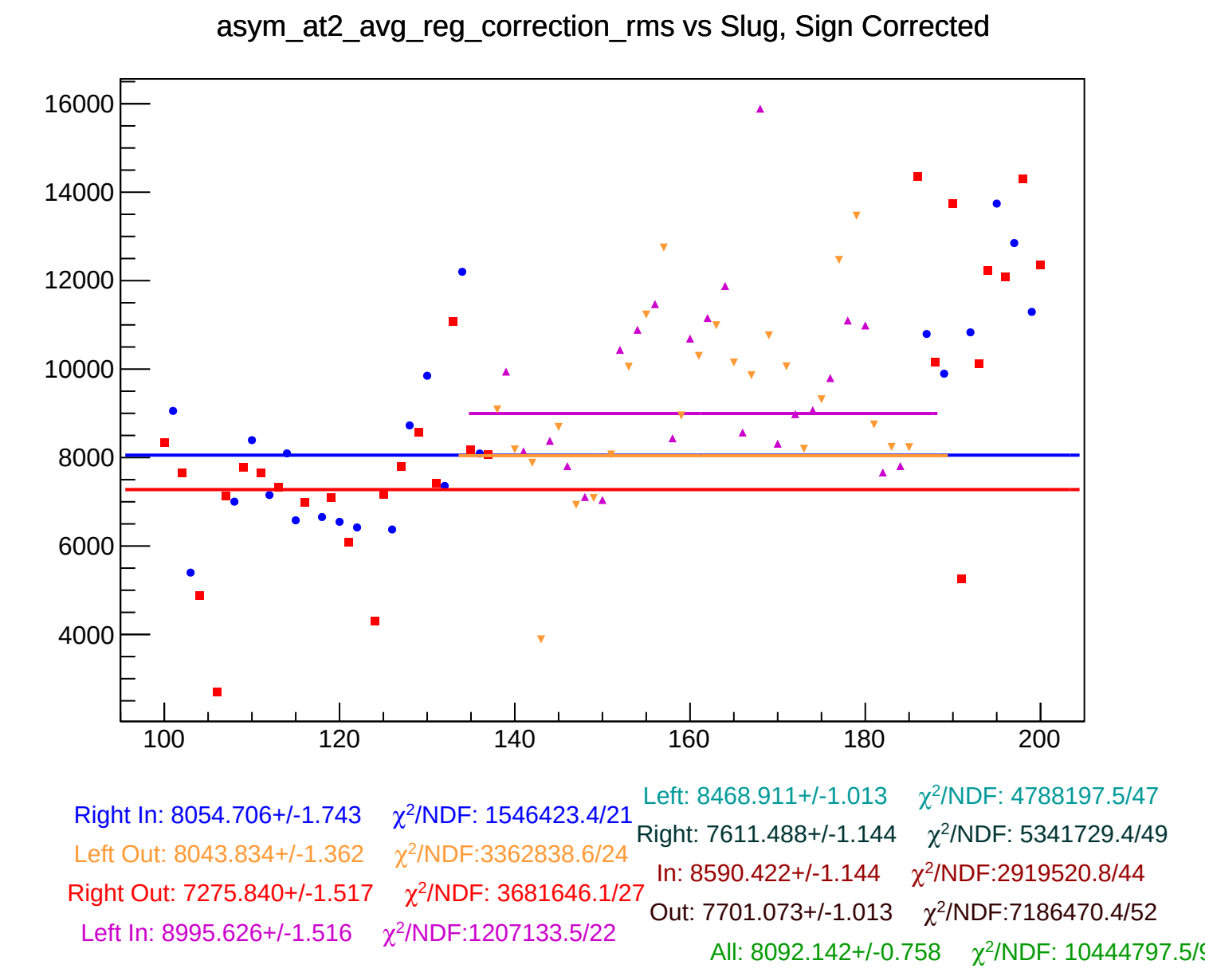
Right: 1724.894+/-0.248 χ^2/NDF: 1131991.5/49

In: 1744.495+/-0.227 χ^2/NDF:621188.2/44

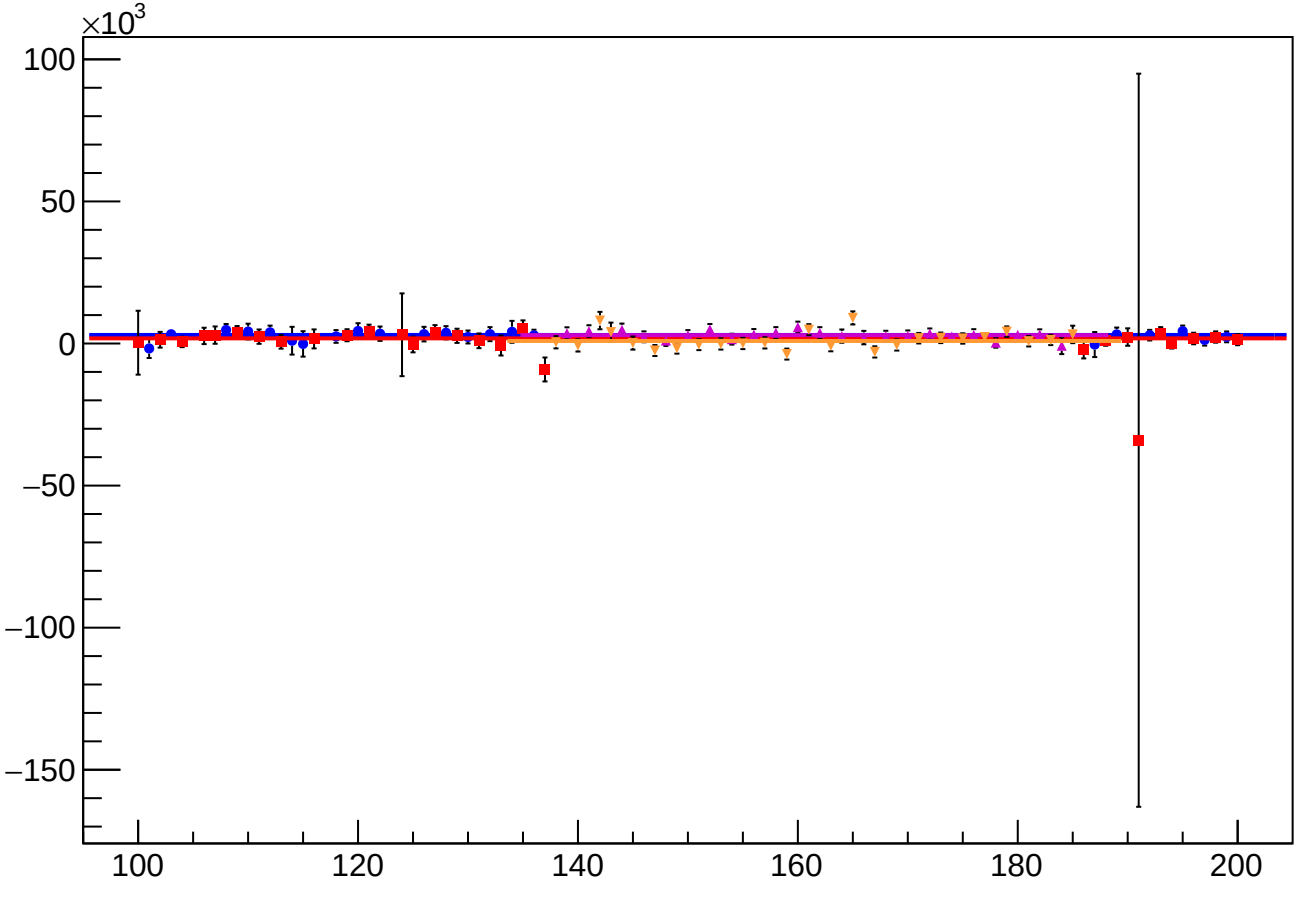
Out: 1756.197+/-0.219 χ^2/NDF:1121737.7/52

All: 1750.550+/-0.158 χ^2/NDF: 1744301.8/97


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -113.486+/-2464.628 χ²/NDF: 22.9/21
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -3373.660+/-2144.796 χ²/NDF: 28.0/27
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -1968.701+/-1617.941 χ²/NDF: 51.9/49
In: -137.275+/-1617.380 χ²/NDF:36.7/44
Out: -1751.161+/-1432.855 χ²/NDF:58.5/52
All: -1041.495+/-1072.513 χ²/NDF: 95.8/97


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: 8054.706+/-1.743 χ²/NDF: 1546423.4/21
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: 7611.488+/-1.144 χ²/NDF: 5341729.4/49
In: 8590.422+/-1.144 χ²/NDF:2919520.8/44
Out: 7701.073+/-1.013 χ²/NDF:7186470.4/52
All: 8092.142+/-0.758 χ²/NDF: 10444797.5/9

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

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

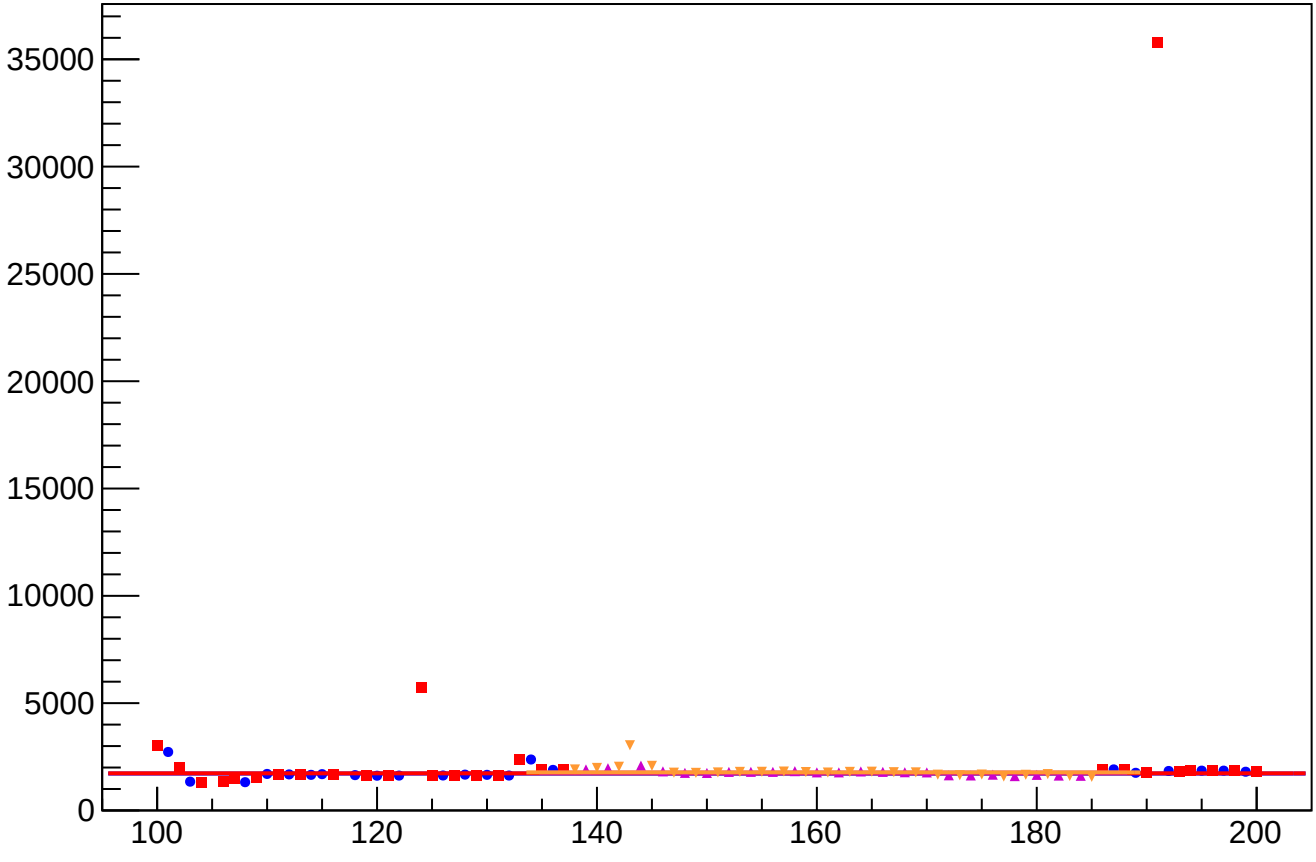
Right: 2371.968+/-350.278 χ^2/NDF: 27.1/49

In: 2968.622+/-320.925 χ^2/NDF:16.8/44

Out: 1278.235+/-309.930 χ^2/NDF:65.3/52

All: 2093.974+/-222.939 χ^2/NDF: 96.5/97

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

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

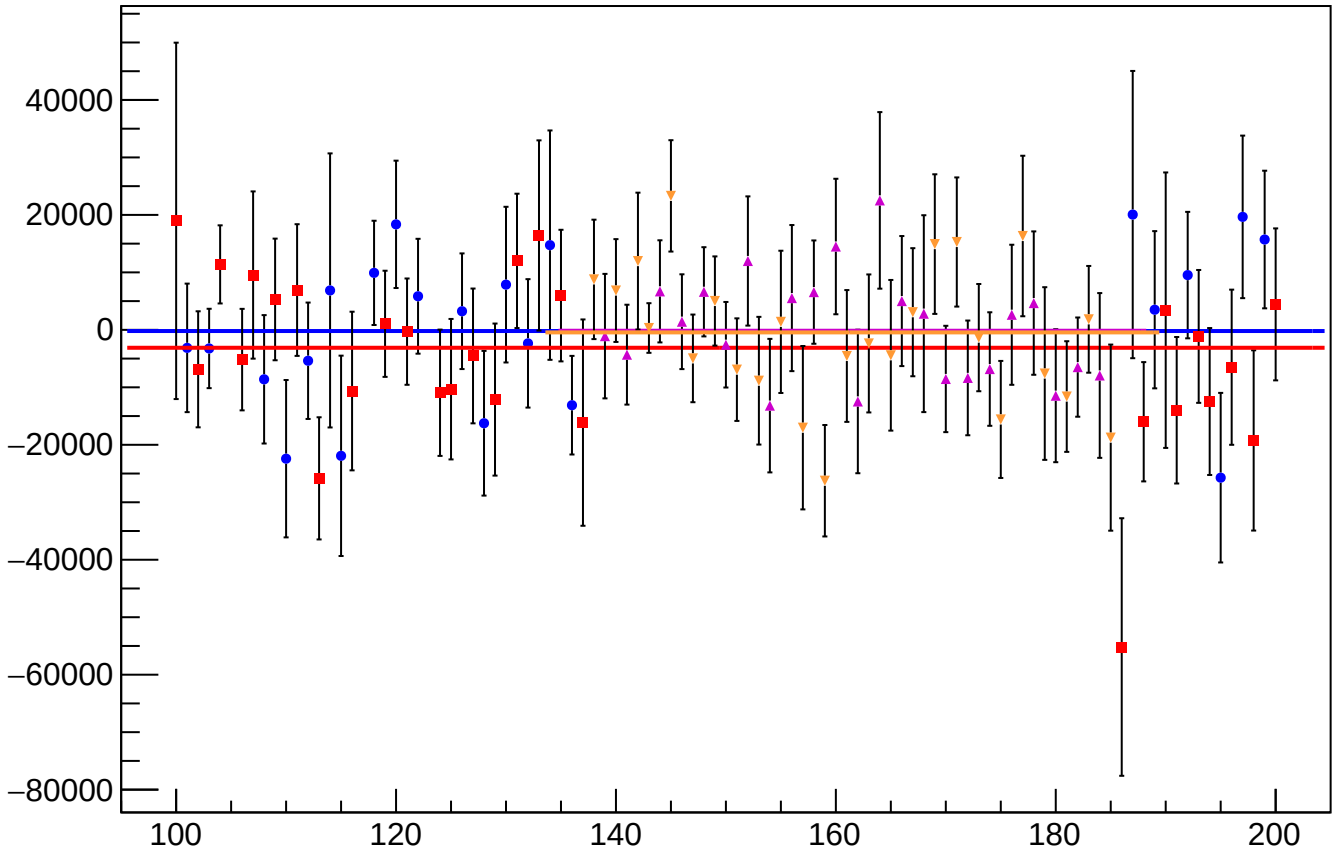
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1724.894+/-0.248 χ^2/NDF: 1131992.1/49

In: 1744.495+/-0.227 χ^2/NDF:621188.6/44

Out: 1756.197+/-0.219 χ^2/NDF:1121738.0/52

All: 1750.549+/-0.158 χ^2/NDF: 1744302.5/97



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

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

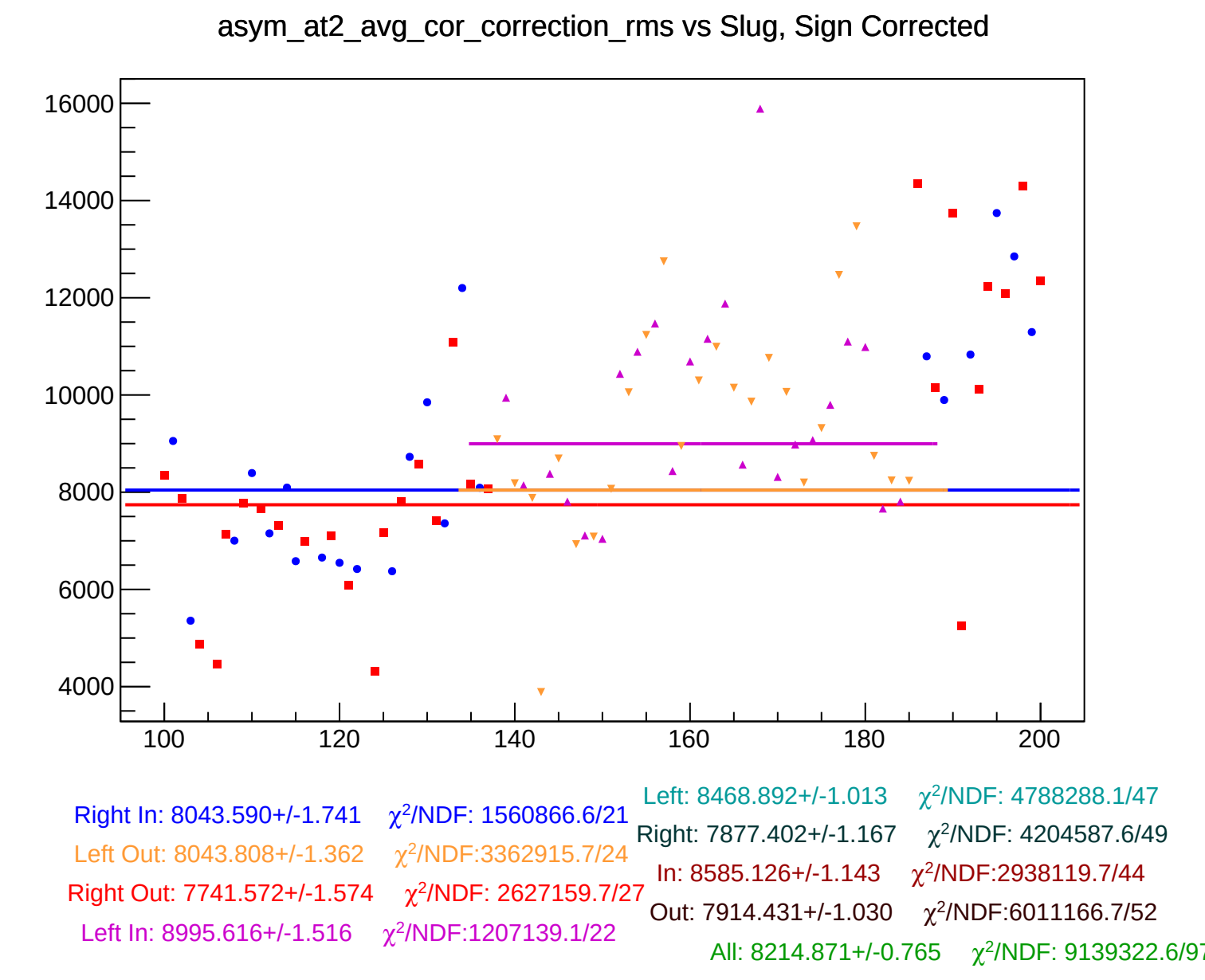
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

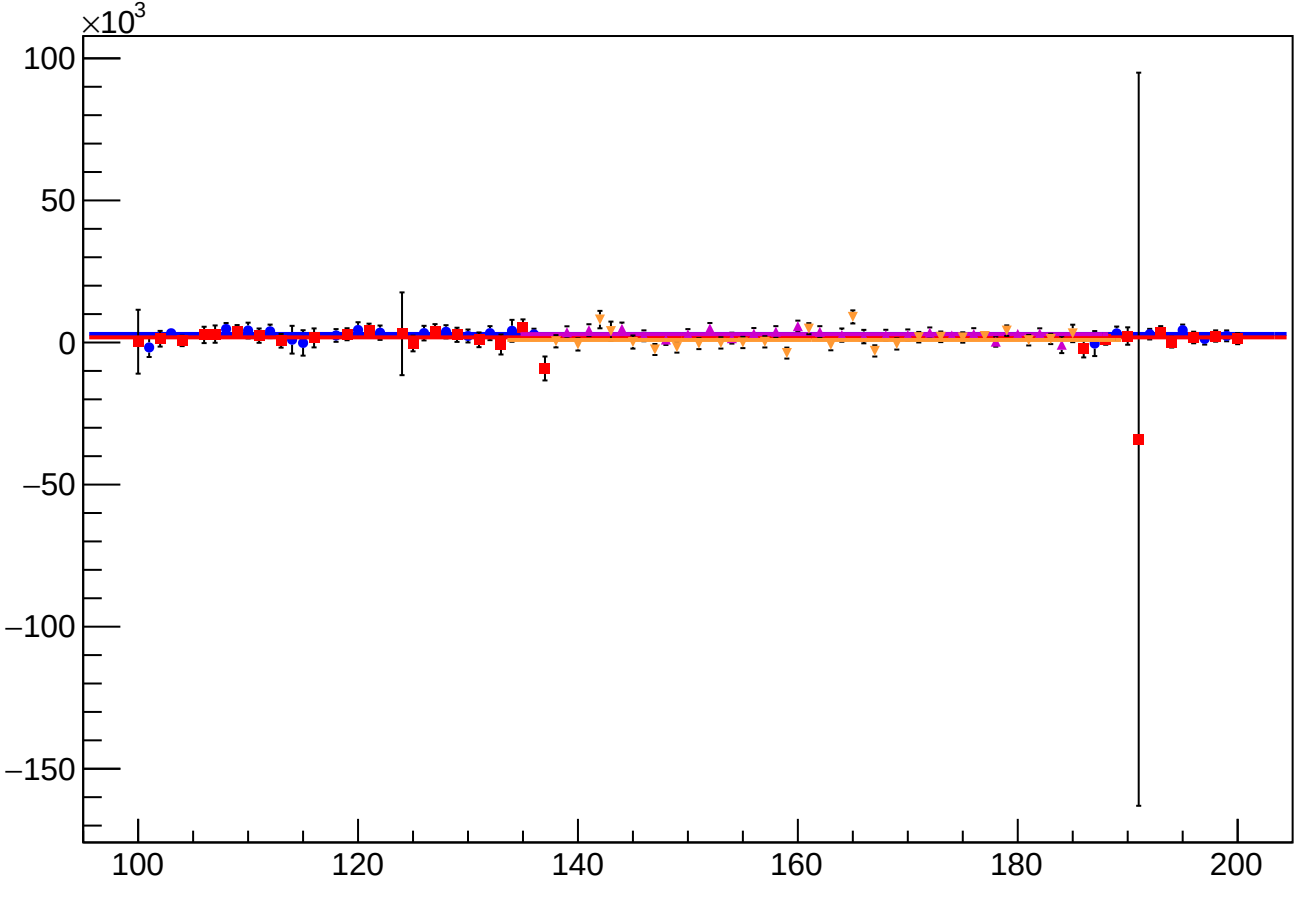
Right: -1807.753+/-1651.071 χ^2/NDF: 51.6/49

In: -176.762+/-1616.628 χ^2/NDF:36.8/44

Out: -1588.134+/-1456.260 χ^2/NDF:58.2/52

All: -955.904+/-1081.998 χ^2/NDF: 95.4/97


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: 8043.590+/-1.741 χ²/NDF: 1560866.6/21
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: 7877.402+/-1.167 χ²/NDF: 4204587.6/49
In: 8585.126+/-1.143 χ²/NDF:2938119.7/44
Out: 7914.431+/-1.030 χ²/NDF:6011166.7/52
All: 8214.871+/-0.765 χ²/NDF: 9139322.6/97



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

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

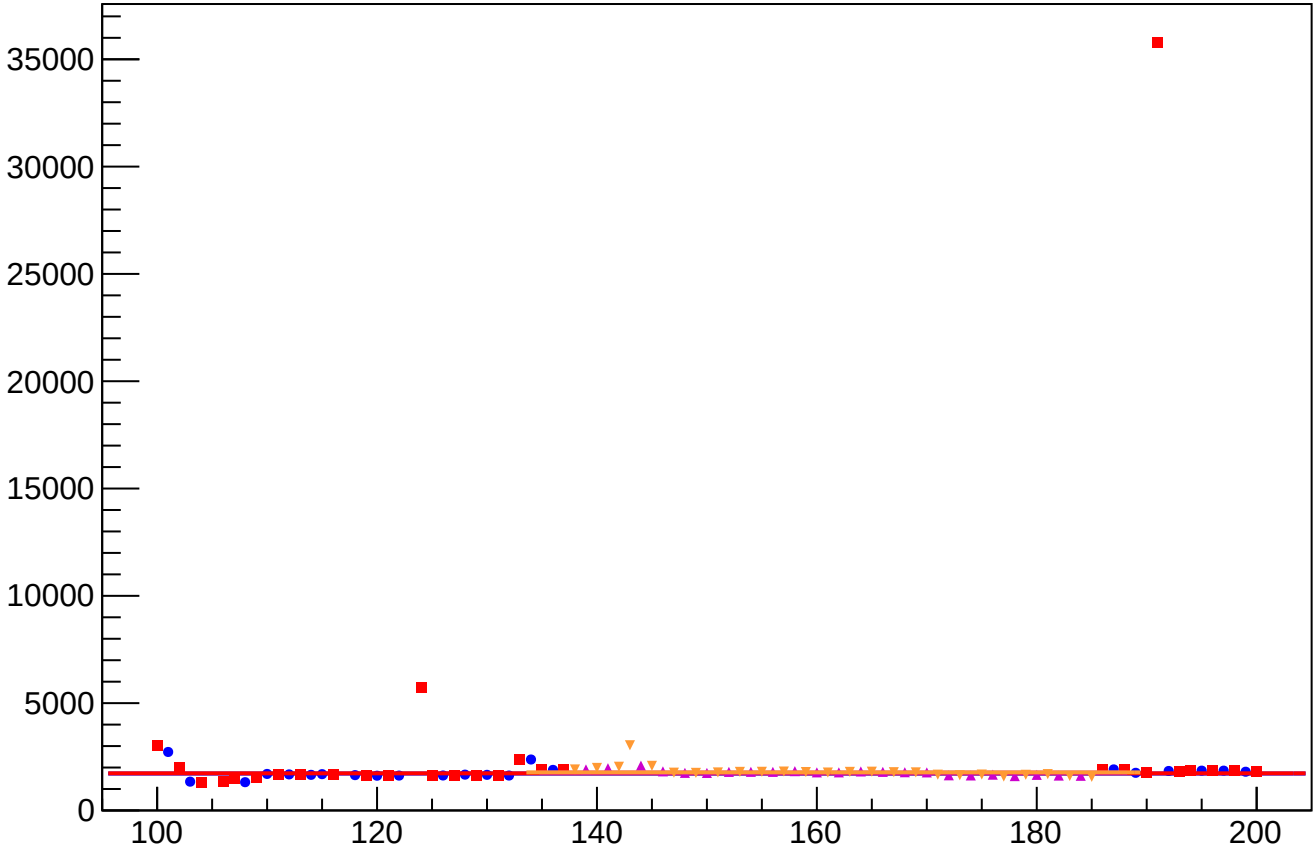
Right: 2371.968+/-350.278 χ^2/NDF: 27.1/49

In: 2968.622+/-320.925 χ^2/NDF:16.8/44

Out: 1278.235+/-309.930 χ^2/NDF:65.3/52

All: 2093.974+/-222.939 χ^2/NDF: 96.5/97

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

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

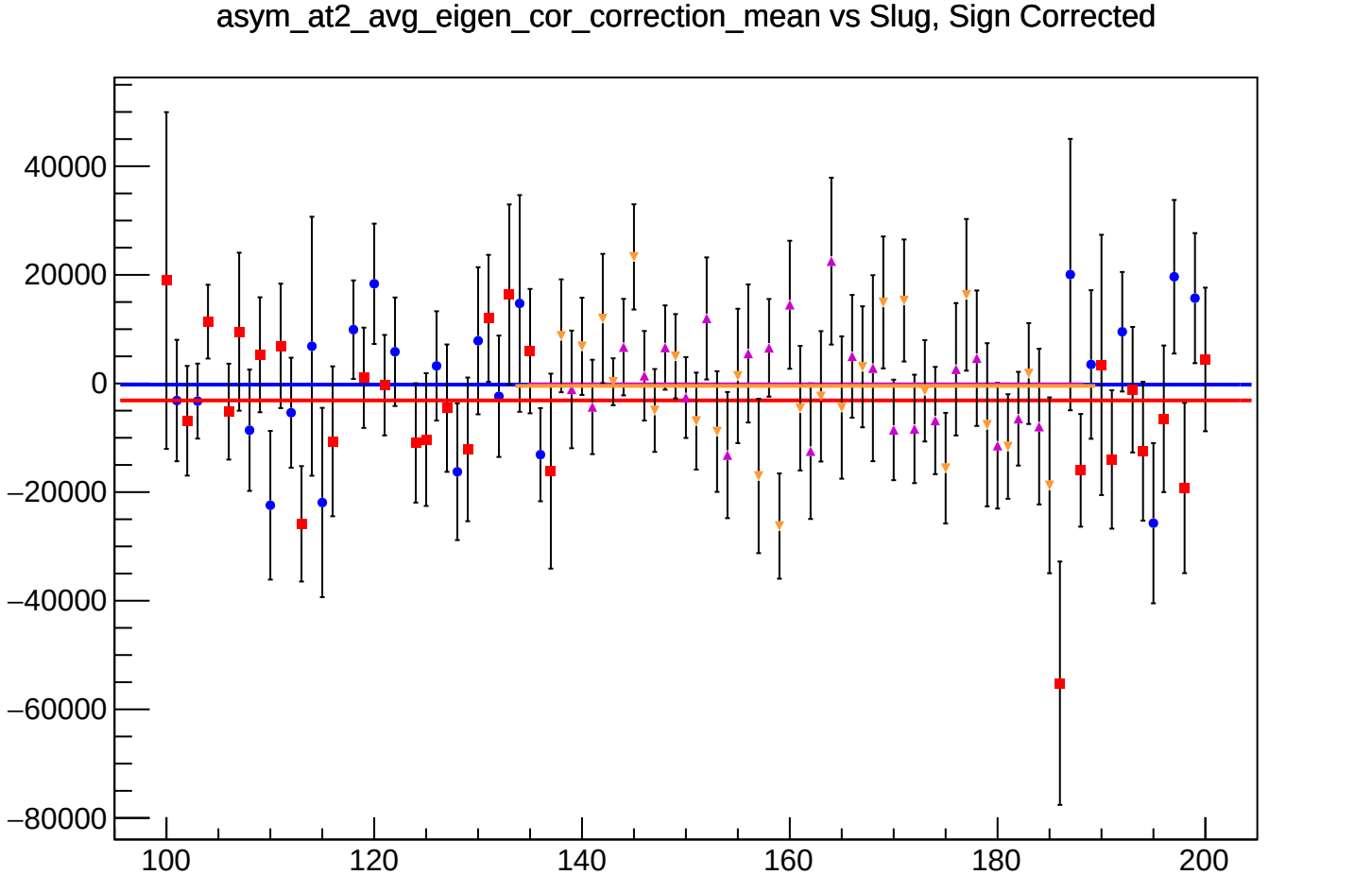
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1724.894+/-0.248 χ^2/NDF: 1131992.1/49

In: 1744.495+/-0.227 χ^2/NDF:621188.6/44

Out: 1756.197+/-0.219 χ^2/NDF:1121738.0/52

All: 1750.549+/-0.158 χ^2/NDF: 1744302.5/97



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

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

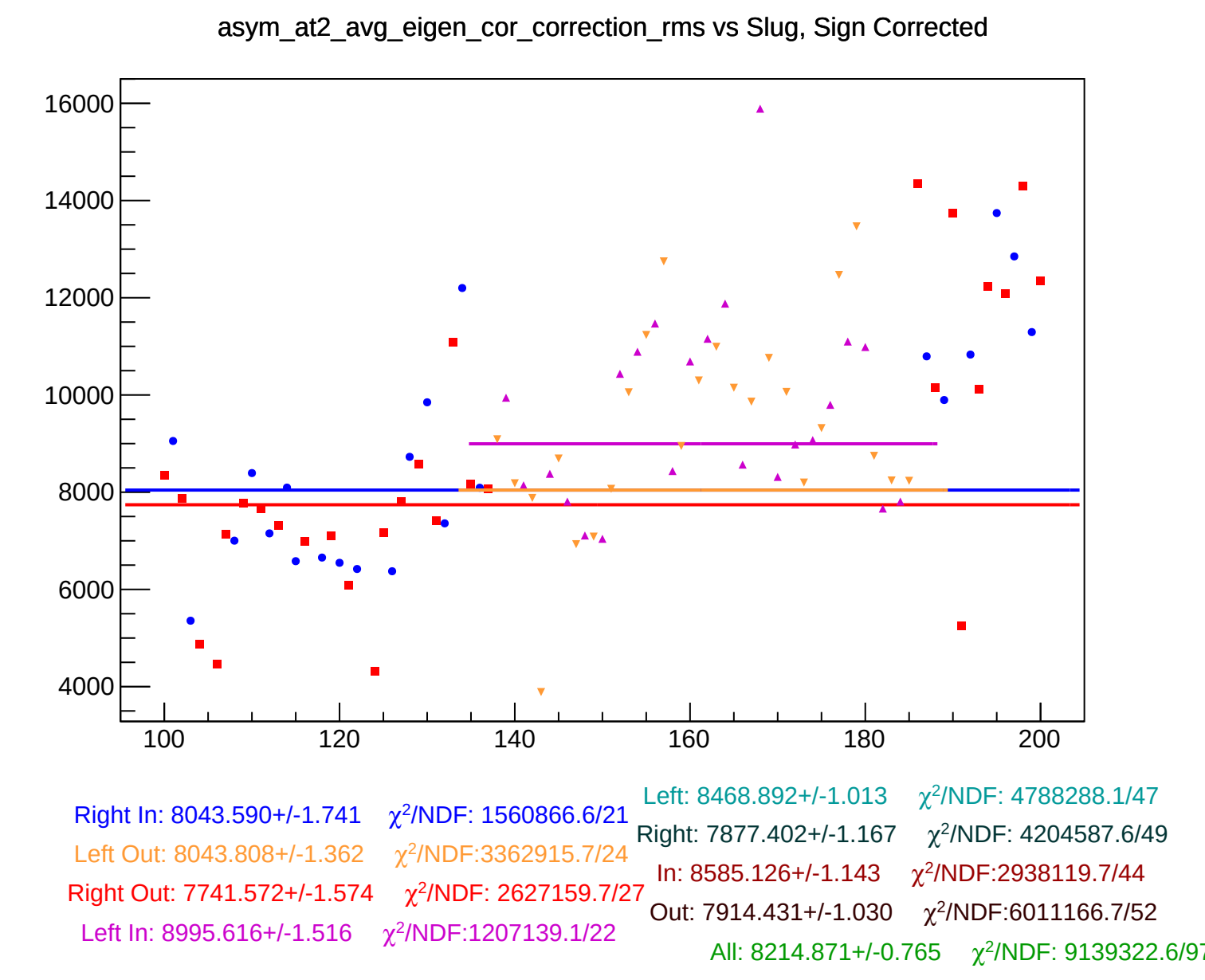
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

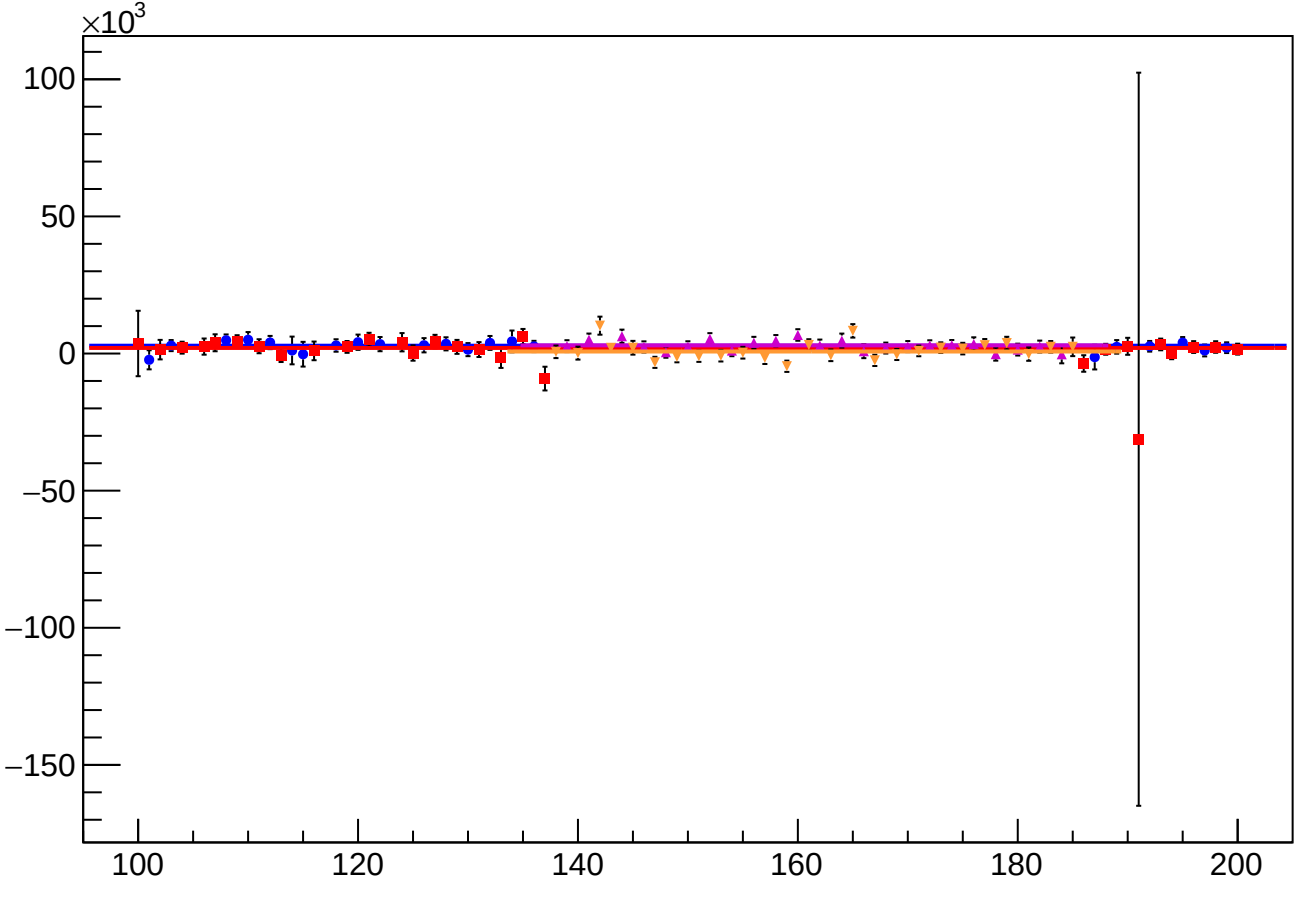
Right: -1807.753+/-1651.071 χ^2/NDF: 51.6/49

In: -176.762+/-1616.628 χ^2/NDF:36.8/44

Out: -1588.134+/-1456.260 χ^2/NDF:58.2/52

All: -955.904+/-1081.998 χ^2/NDF: 95.4/97


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8043.590+/-1.741 χ²/NDF: 1560866.6/21
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: 7877.402+/-1.167 χ²/NDF: 4204587.6/49
In: 8585.126+/-1.143 χ²/NDF:2938119.7/44
Out: 7914.431+/-1.030 χ²/NDF:6011166.7/52
All: 8214.871+/-0.765 χ²/NDF: 9139322.6/97



Right In: 2854.230+/-530.822 χ^2/NDF: 7.4/21

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

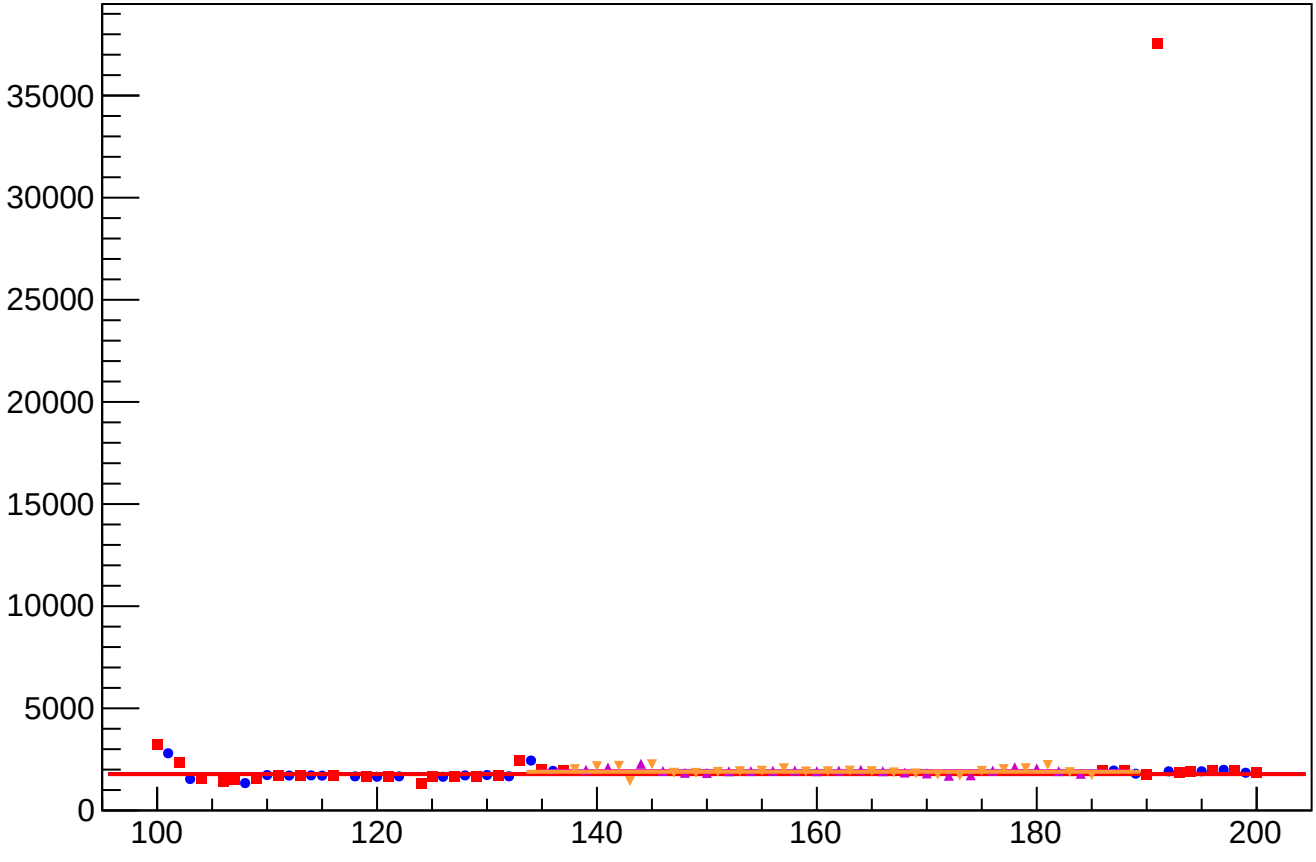
Right: 2418.002+/-361.852 χ^2/NDF: 30.4/49

In: 2926.912+/-343.403 χ^2/NDF:23.1/44

Out: 1303.060+/-325.732 χ^2/NDF:67.2/52

All: 2072.132+/-236.328 χ^2/NDF: 102.1/97

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1784.200+/-0.375 χ^2/NDF: 422057.8/21

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

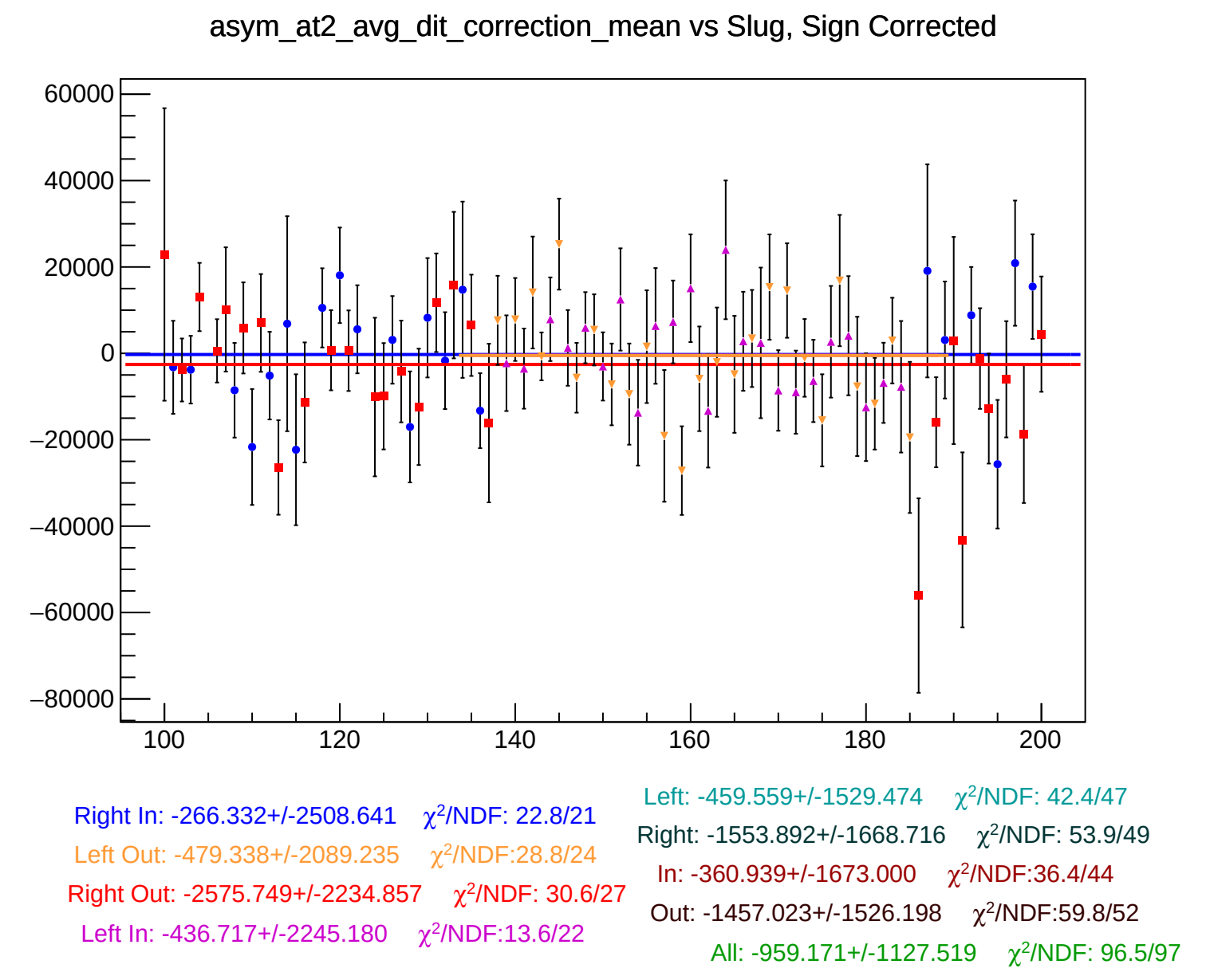
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

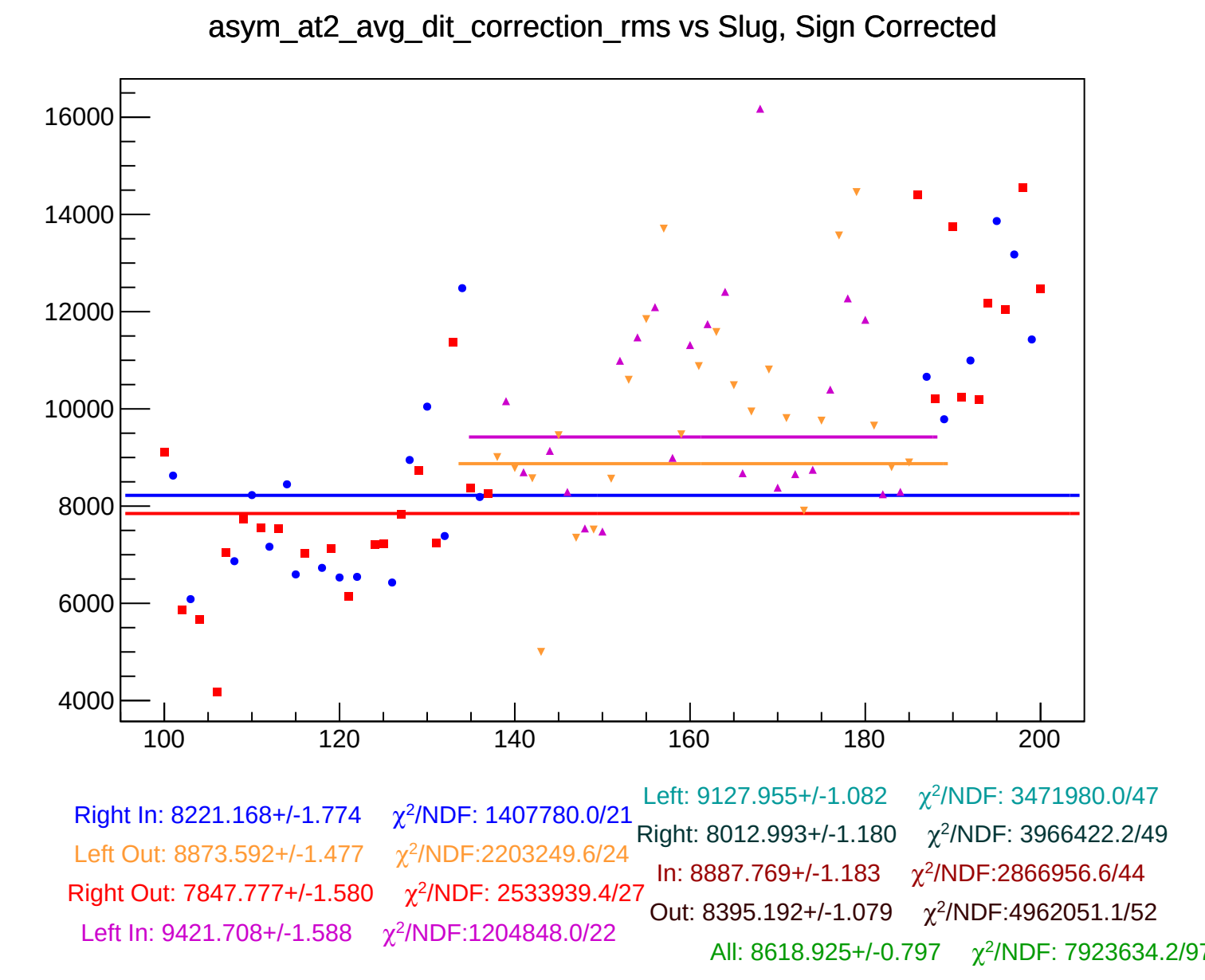
Right: 1781.375+/-0.256 χ^2/NDF: 951763.5/49

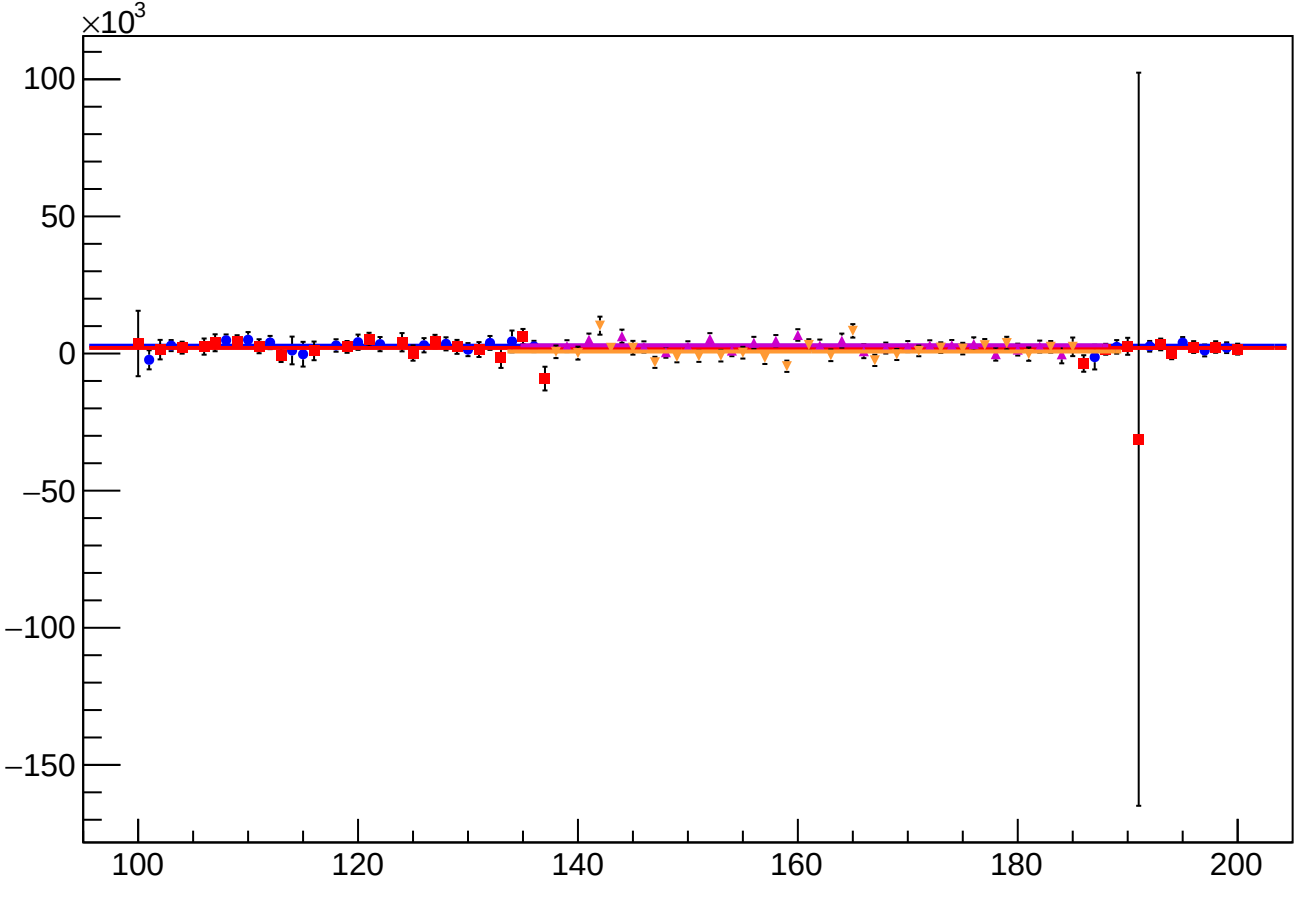
In: 1864.932+/-0.243 χ^2/NDF:652594.8/44

Out: 1844.458+/-0.230 χ^2/NDF:960244.6/52

All: 1854.154+/-0.167 χ^2/NDF: 1616582.3/97


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -266.332+/-2508.641 χ²/NDF: 22.8/21
Left Out: -479.338+/-2089.235 χ²/NDF:28.8/24
Right Out: -2575.749+/-2234.857 χ²/NDF: 30.6/27
Left In: -436.717+/-2245.180 χ²/NDF:13.6/22
Left: -459.559+/-1529.474 χ²/NDF: 42.4/47
Right: -1553.892+/-1668.716 χ²/NDF: 53.9/49
In: -360.939+/-1673.000 χ²/NDF:36.4/44
Out: -1457.023+/-1526.198 χ²/NDF:59.8/52
All: -959.171+/-1127.519 χ²/NDF: 96.5/97


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8221.168+/-1.774 χ²/NDF: 1407780.0/21
Left Out: 8873.592+/-1.477 χ²/NDF:2203249.6/24
Right Out: 7847.777+/-1.580 χ²/NDF: 2533939.4/27
Left In: 9421.708+/-1.588 χ²/NDF:1204848.0/22
Left: 9127.955+/-1.082 χ²/NDF: 3471980.0/47
Right: 8012.993+/-1.180 χ²/NDF: 3966422.2/49
In: 8887.769+/-1.183 χ²/NDF:2866956.6/44
Out: 8395.192+/-1.079 χ²/NDF:4962051.1/52
All: 8618.925+/-0.797 χ²/NDF: 7923634.2/97



Right In: 2854.230+/-530.821 χ^2/NDF: 7.4/21

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

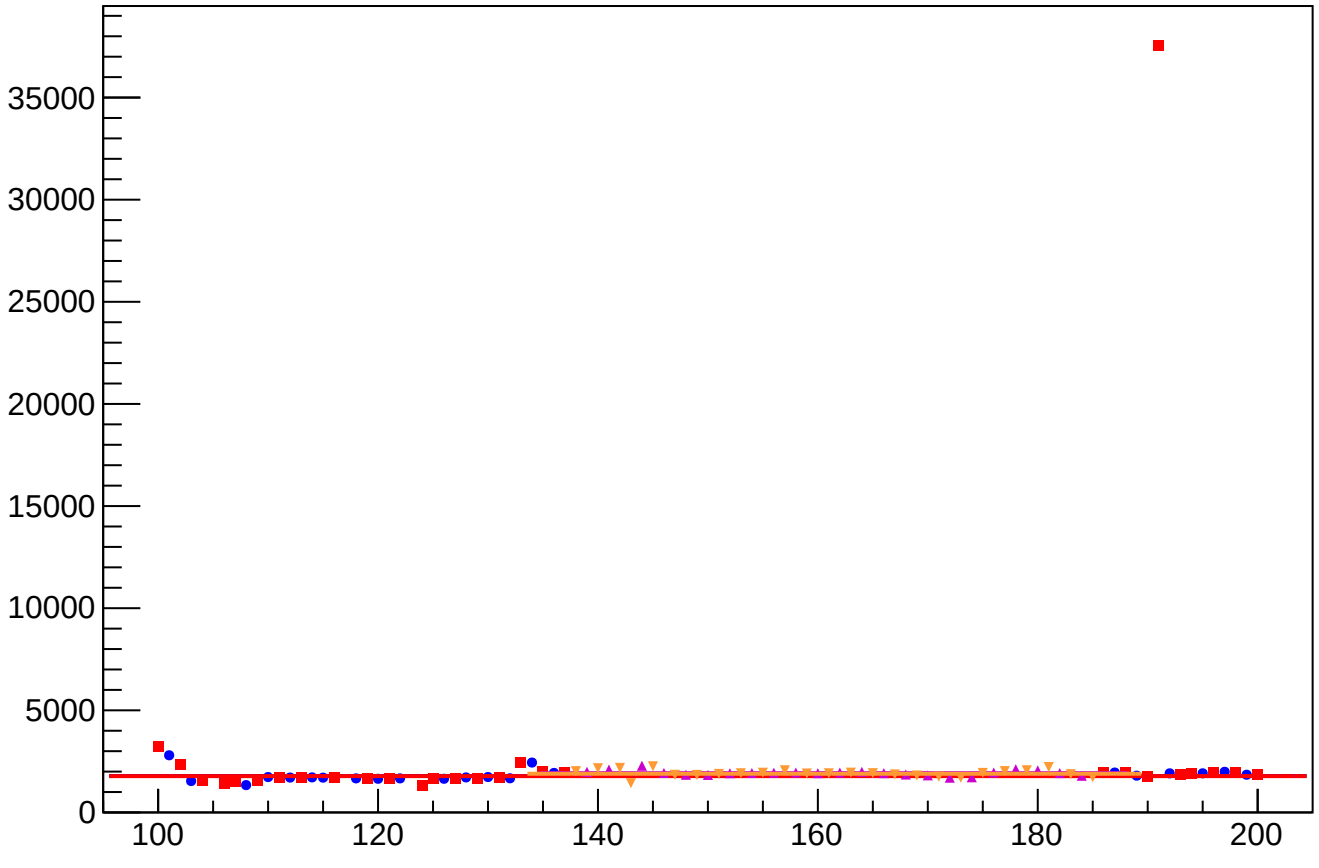
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2418.004+/-361.852 χ^2/NDF: 30.4/49

In: 2926.913+/-343.403 χ^2/NDF:23.1/44

Out: 1303.056+/-325.733 χ^2/NDF:67.2/52

All: 2072.131+/-236.328 χ^2/NDF: 102.1/97



Right In: 1784.199+/-0.375 χ^2/NDF: 422058.3/21

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

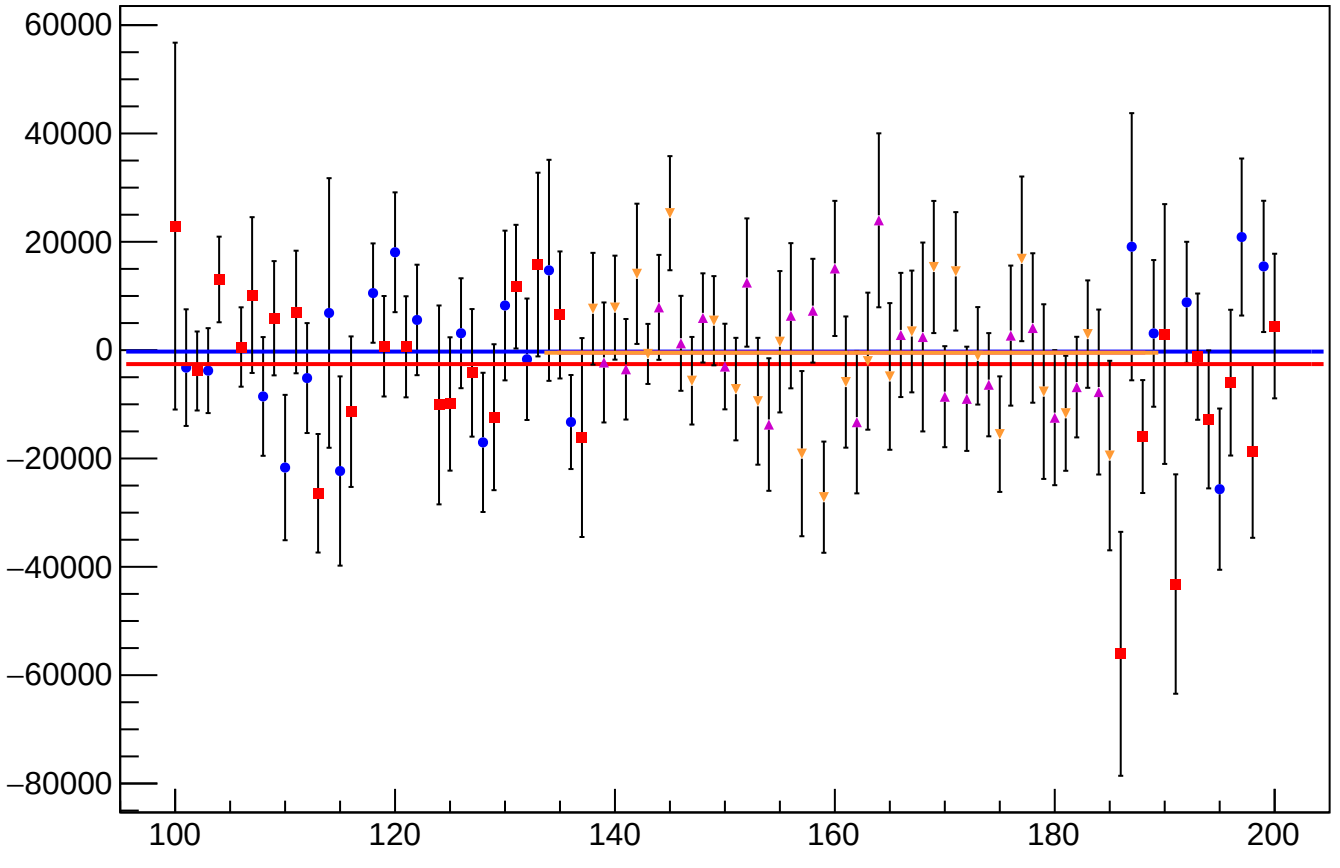
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1781.374+/-0.256 χ^2/NDF: 951765.2/49

In: 1864.934+/-0.243 χ^2/NDF:652606.9/44

Out: 1844.459+/-0.230 χ^2/NDF:960256.8/52

All: 1854.155+/-0.167 χ^2/NDF: 1616606.4/97



Right In: -266.322+/-2508.637 χ^2/NDF: 22.8/21

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2575.734+/-2234.854 χ^2/NDF: 30.6/27

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

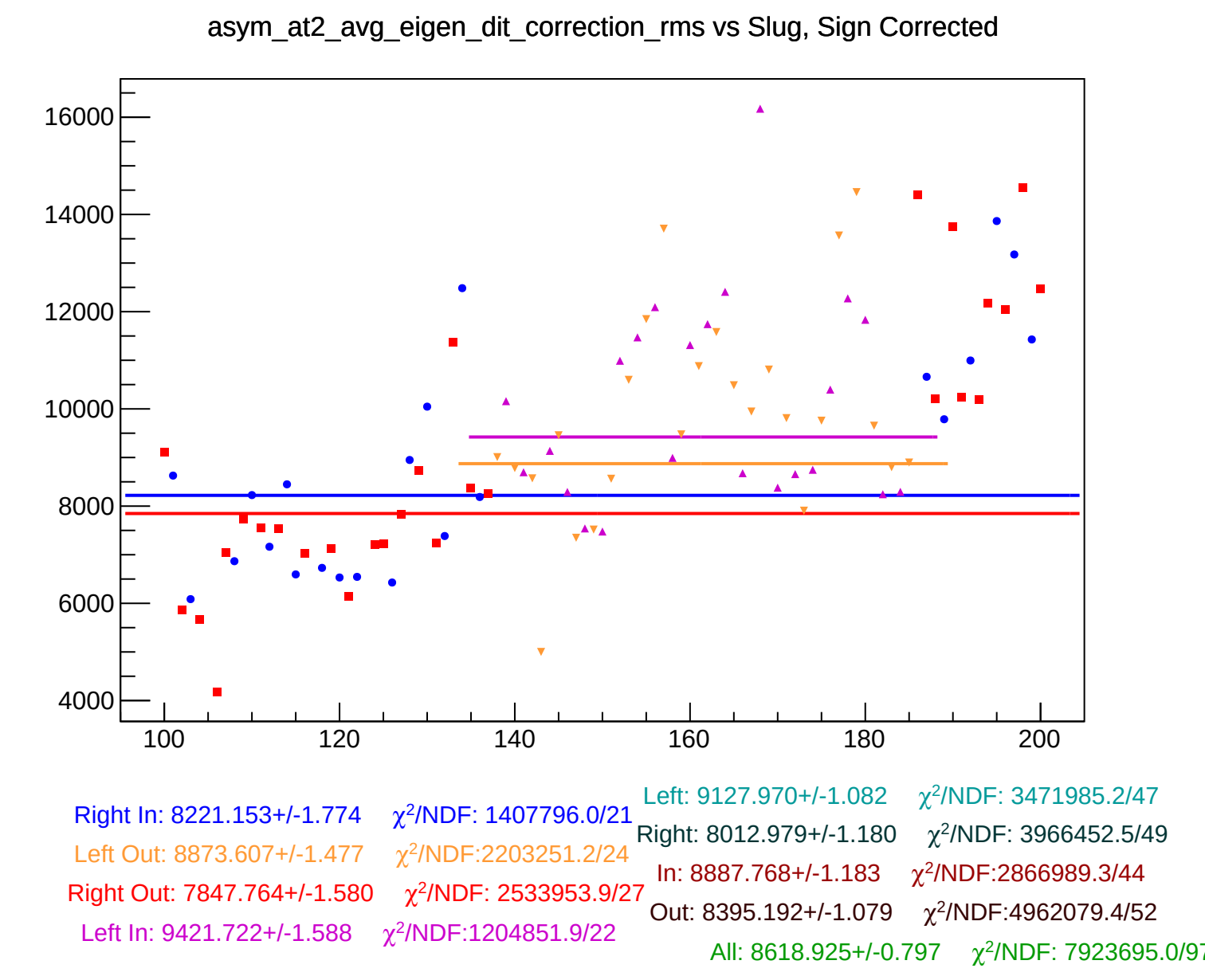
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1553.879+/-1668.713 χ^2/NDF: 53.9/49

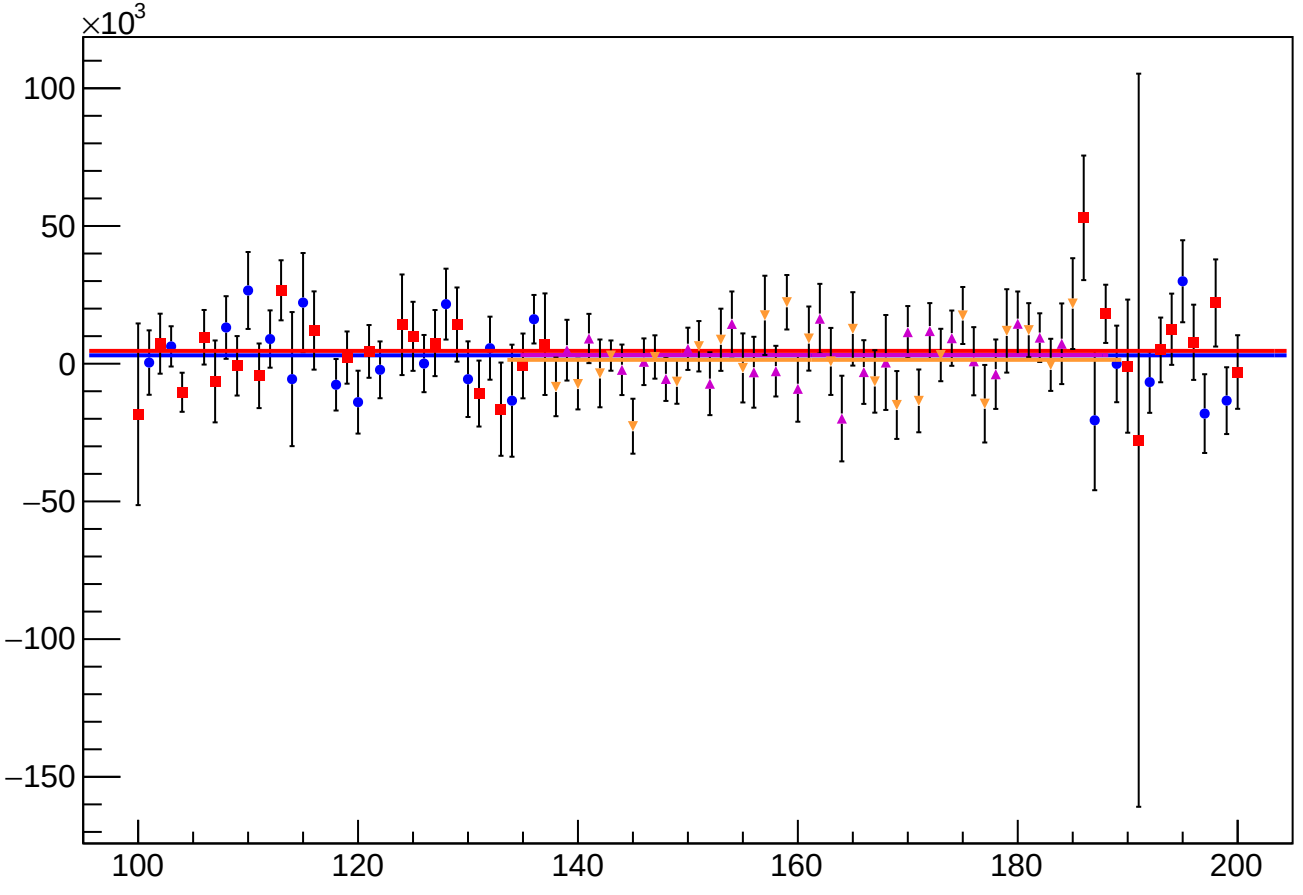
In: -360.935+/-1673.000 χ^2/NDF:36.4/44

Out: -1457.023+/-1526.199 χ^2/NDF:59.8/52

All: -959.170+/-1127.519 χ^2/NDF: 96.5/97


asym_at2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8221.153+/-1.774 χ²/NDF: 1407796.0/21
Left Out: 8873.607+/-1.477 χ²/NDF:2203251.2/24
Right Out: 7847.764+/-1.580 χ²/NDF: 2533953.9/27
Left In: 9421.722+/-1.588 χ²/NDF:1204851.9/22
Left: 9127.970+/-1.082 χ²/NDF: 3471985.2/47
Right: 8012.979+/-1.180 χ²/NDF: 3966452.5/49
In: 8887.768+/-1.183 χ²/NDF:2866989.3/44
Out: 8395.192+/-1.079 χ²/NDF:4962079.4/52
All: 8618.925+/-0.797 χ²/NDF: 7923695.0/97

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3038.394+/-2532.527 χ^2/NDF: 23.7/21

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

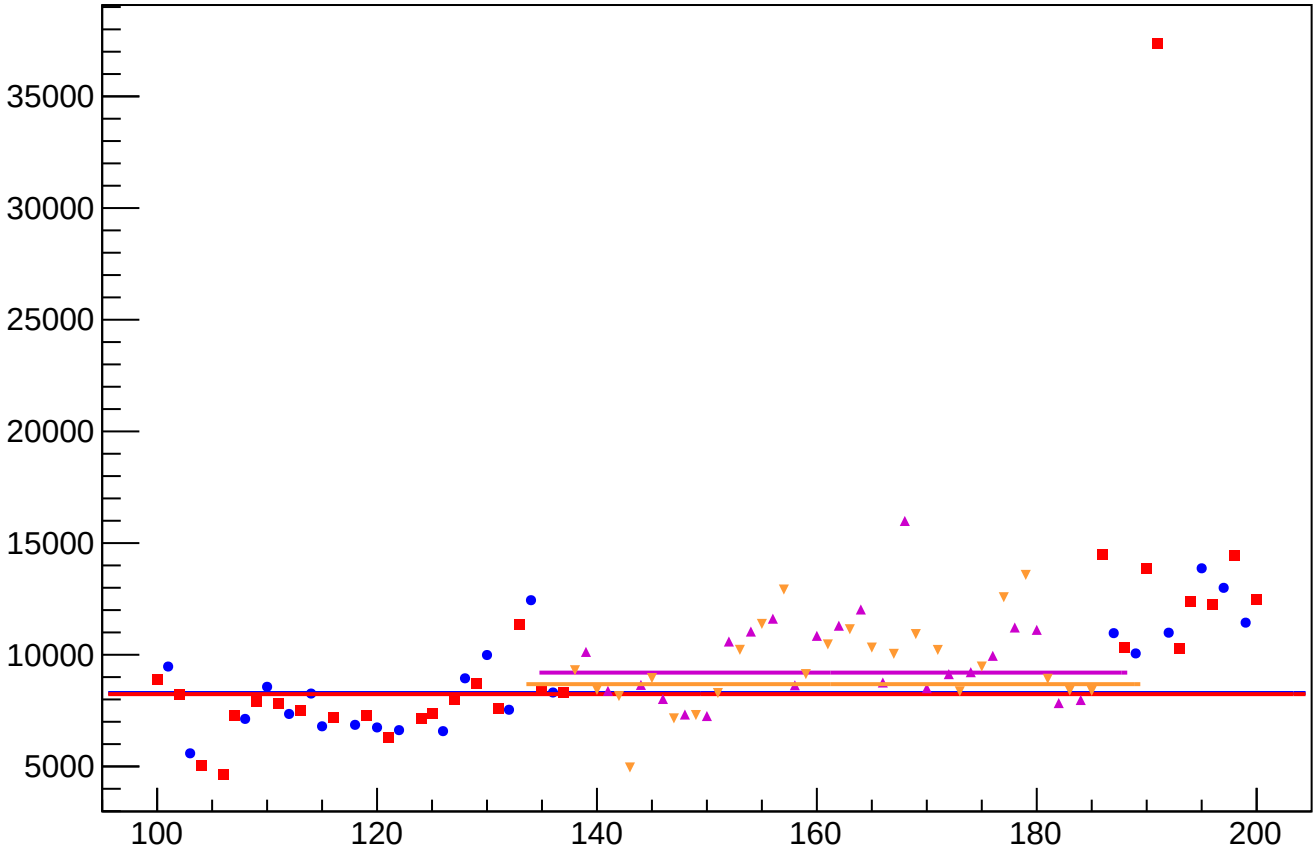
Right: 3898.623+/-1729.268 χ^2/NDF: 47.7/49

In: 3096.119+/-1656.299 χ^2/NDF:36.7/44

Out: 2789.916+/-1545.234 χ^2/NDF:52.3/52

All: 2932.408+/-1129.871 χ^2/NDF: 89.0/97

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8287.625+/-1.791 χ^2/NDF: 1467033.5/21

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8237.128+/-1.674 χ^2/NDF: 2280281.9/27

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

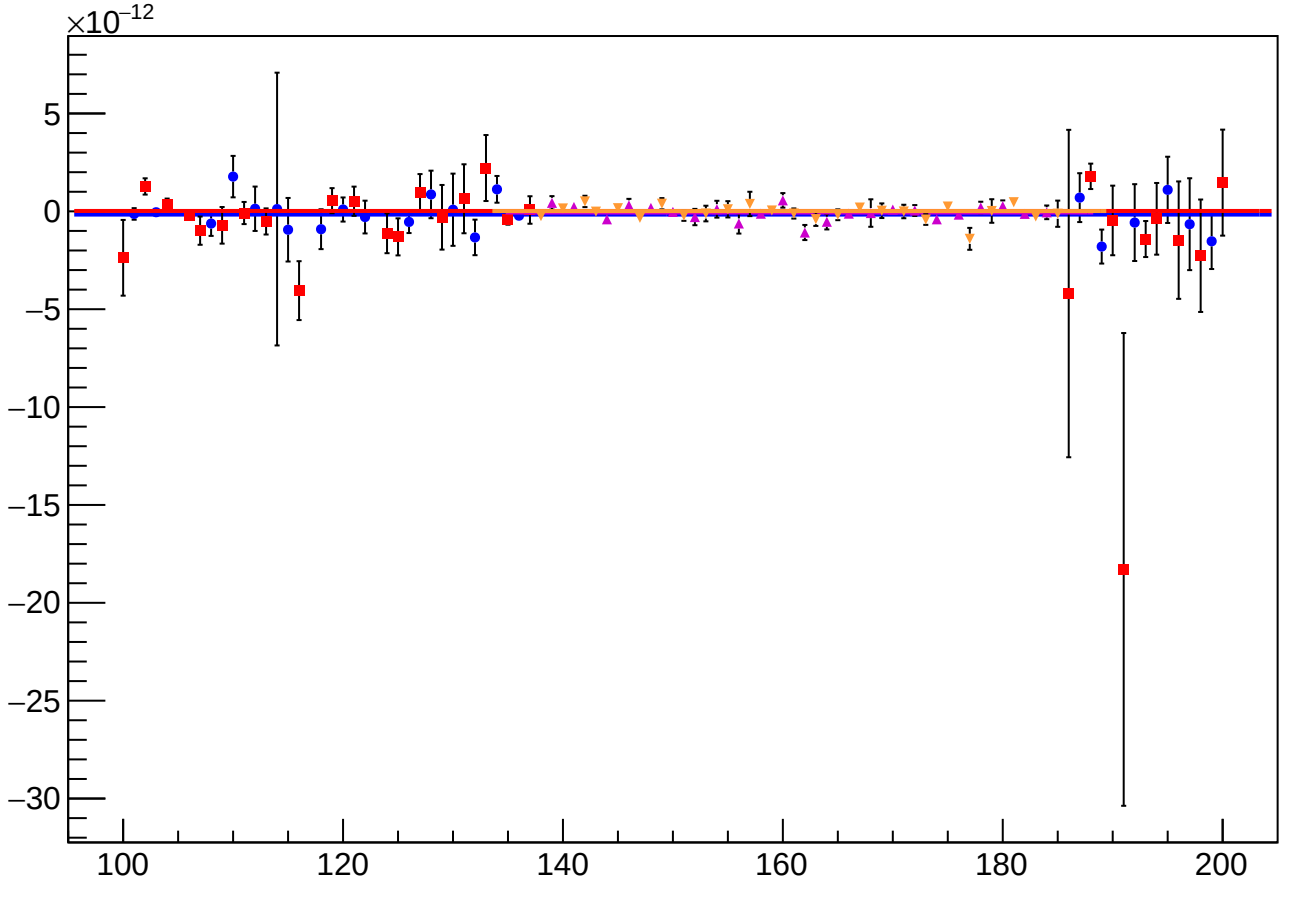
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8260.671+/-1.223 χ^2/NDF: 3747739.8/49

In: 8810.203+/-1.171 χ^2/NDF:2745264.3/44

Out: 8493.848+/-1.093 χ^2/NDF:4372913.1/52

All: 8641.060+/-0.799 χ^2/NDF: 7157188.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

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

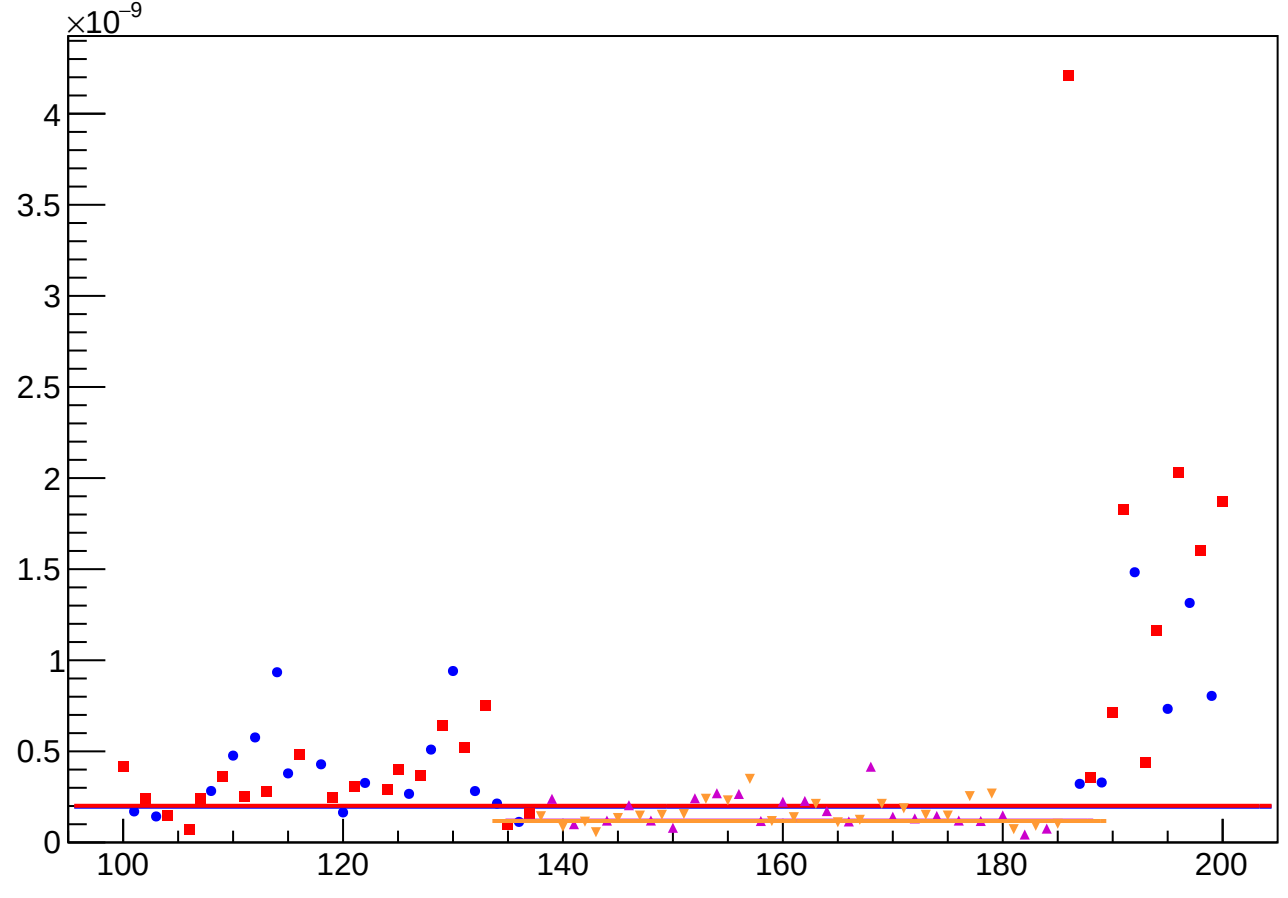
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.0/49

In: -0.000+/-0.000 χ^2/NDF:45.7/44

Out: 0.000+/-0.000 χ^2/NDF:75.3/52

All: -0.000+/-0.000 χ^2/NDF: 123.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 3528725.8/21

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

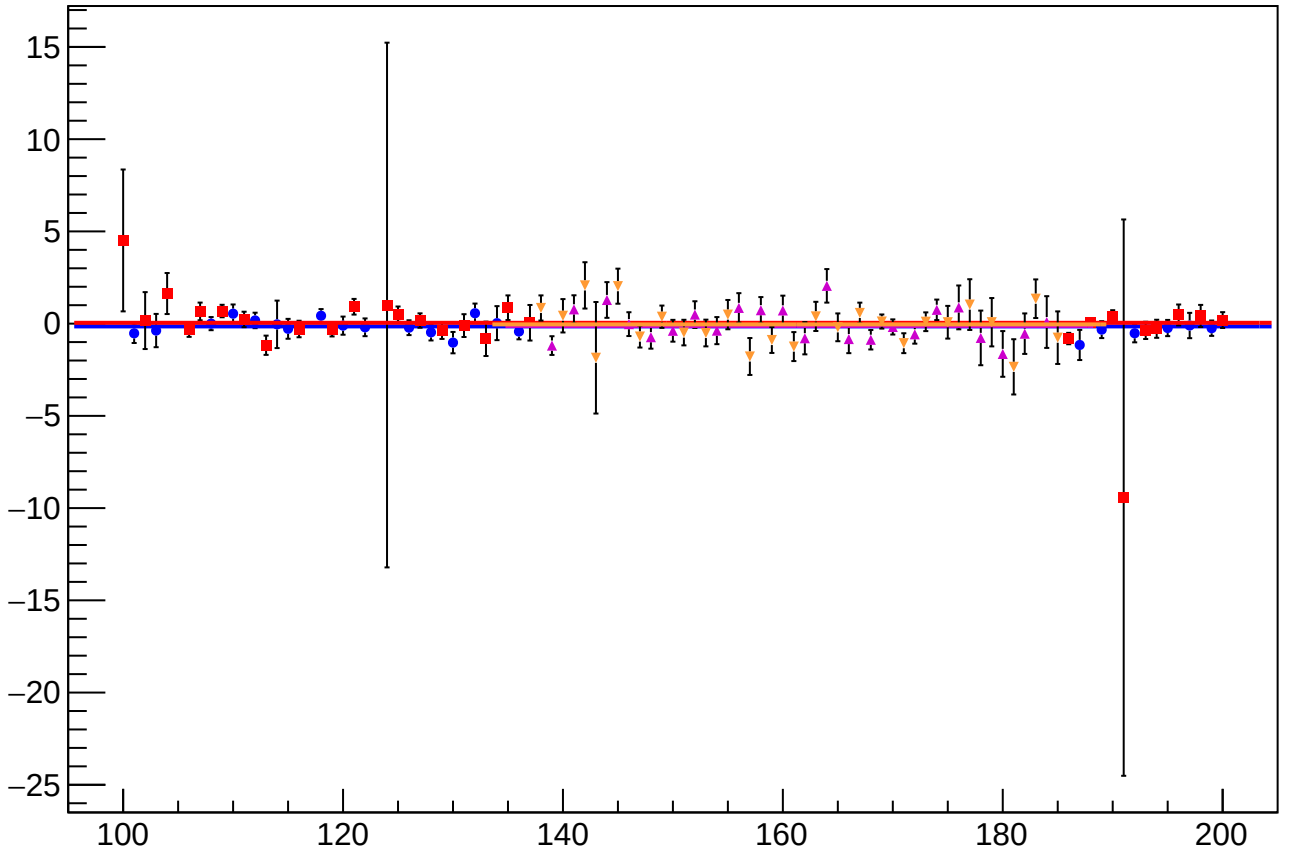
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 8711043.6/49

In: 0.000+/-0.000 χ^2/NDF:6896815.3/44

Out: 0.000+/-0.000 χ^2/NDF:8359881.0/52

All: 0.000+/-0.000 χ^2/NDF: 15259866.0/97



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

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

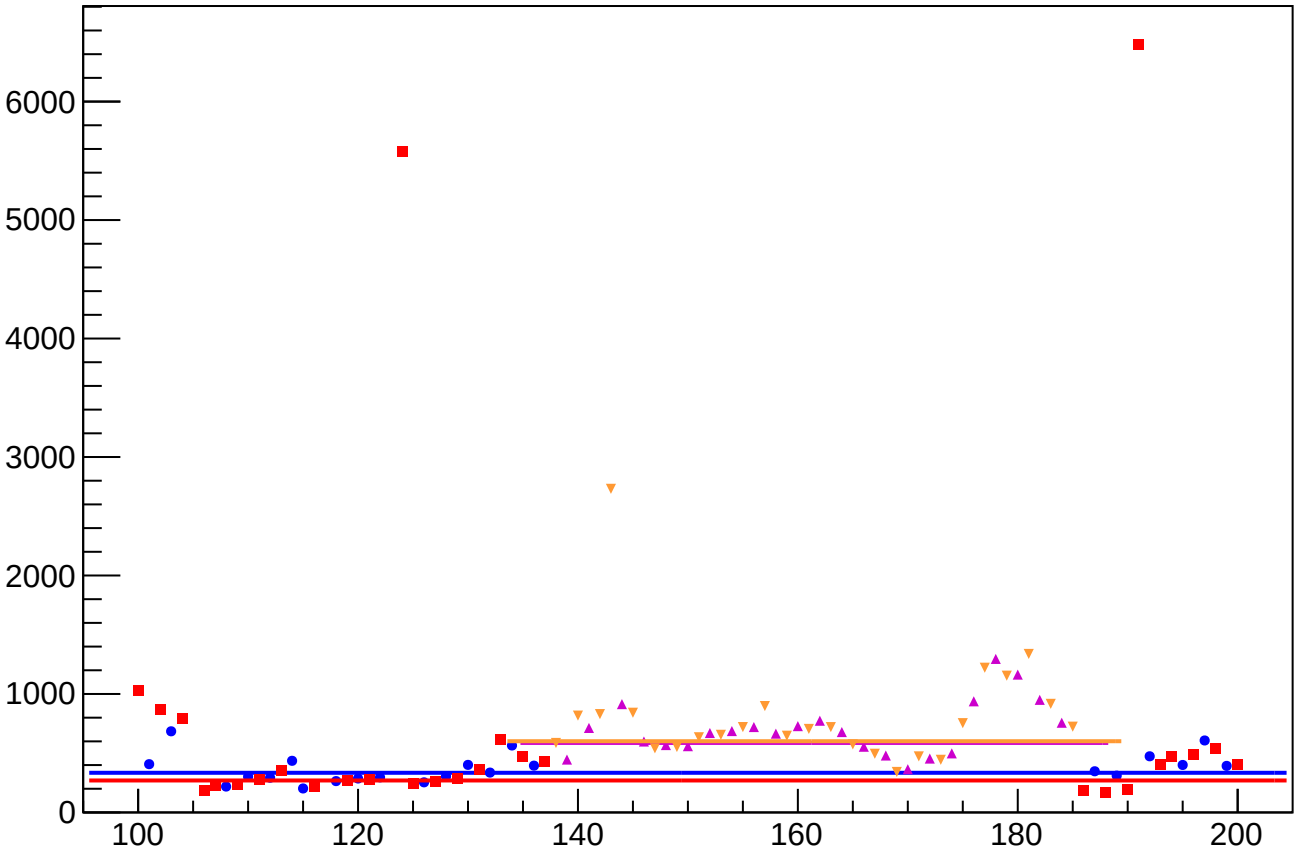
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.066 χ^2/NDF: 52.6/49

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.047+/-0.055 χ^2/NDF: 112.1/97



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

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

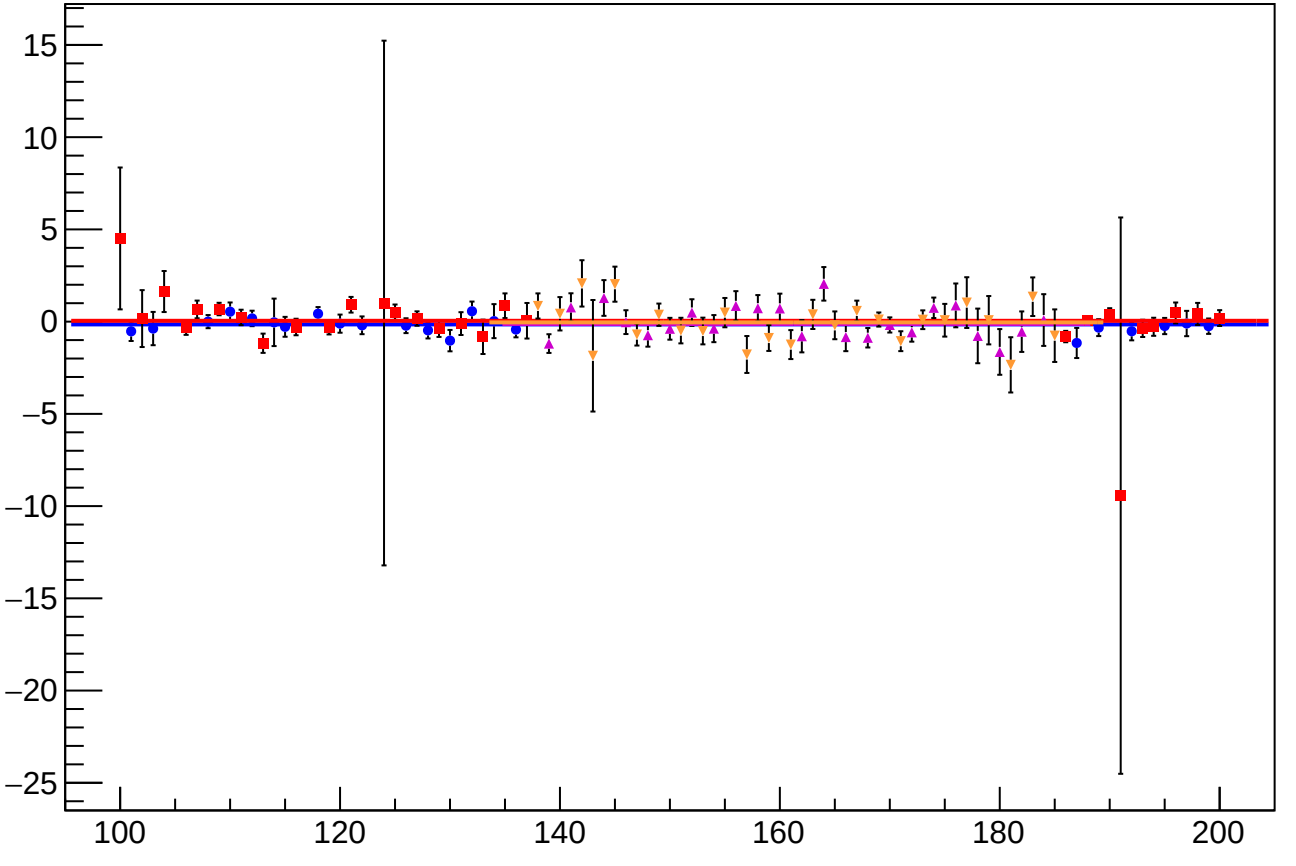
Right: 295.216+/-0.046 χ^2/NDF: 6652490.3/49

In: 421.324+/-0.060 χ^2/NDF:8559635.4/44

Out: 350.807+/-0.052 χ^2/NDF:16600905.8/52

All: 380.658+/-0.039 χ^2/NDF: 25953115.4/97

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

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

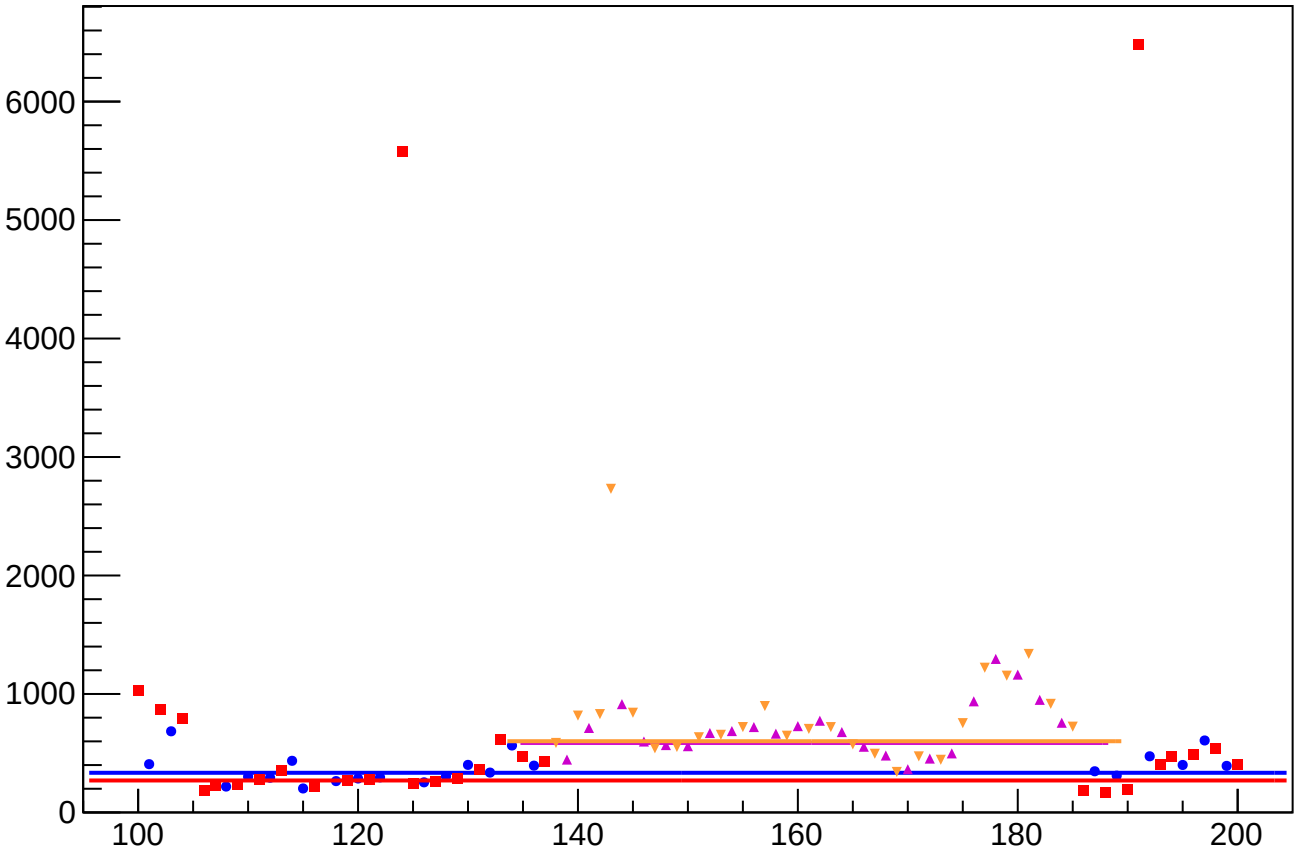
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

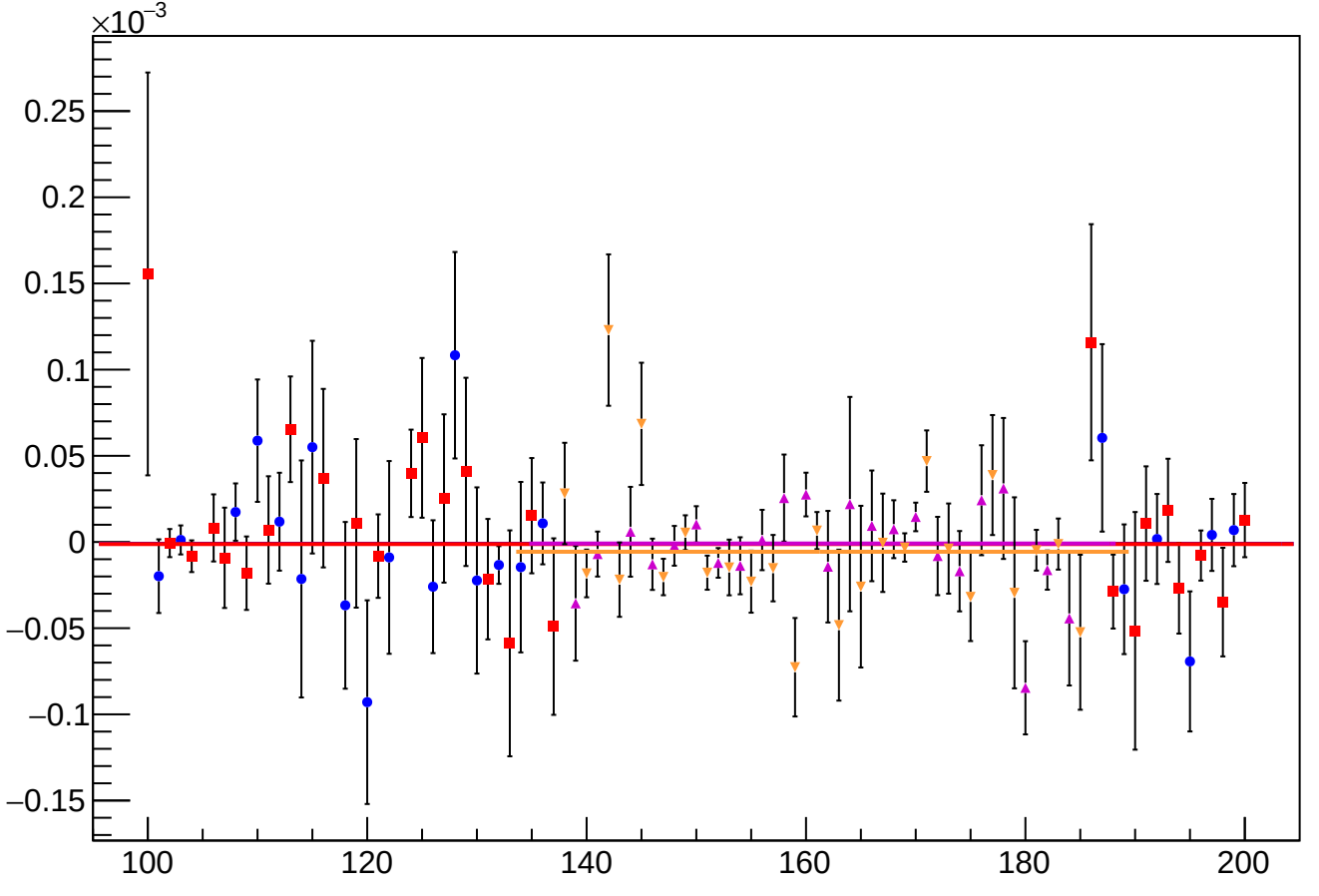
Right: -0.031+/-0.066 χ^2/NDF: 52.6/49

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.047+/-0.055 χ^2/NDF: 112.1/97


asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 334.835+/-0.074 χ²/NDF: 1669178.0/21
Left Out: 601.214+/-0.104 χ²/NDF:4460456.7/24
Right Out: 269.949+/-0.059 χ²/NDF: 4516672.5/27
Left In: 586.817+/-0.103 χ²/NDF:2934488.2/22
Left: 593.901+/-0.073 χ²/NDF: 7404620.8/47
Right: 295.216+/-0.046 χ²/NDF: 6652490.3/49
In: 421.324+/-0.060 χ²/NDF:8559635.4/44
Out: 350.807+/-0.052 χ²/NDF:16600905.8/52
All: 380.658+/-0.039 χ²/NDF: 25953115.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/21

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

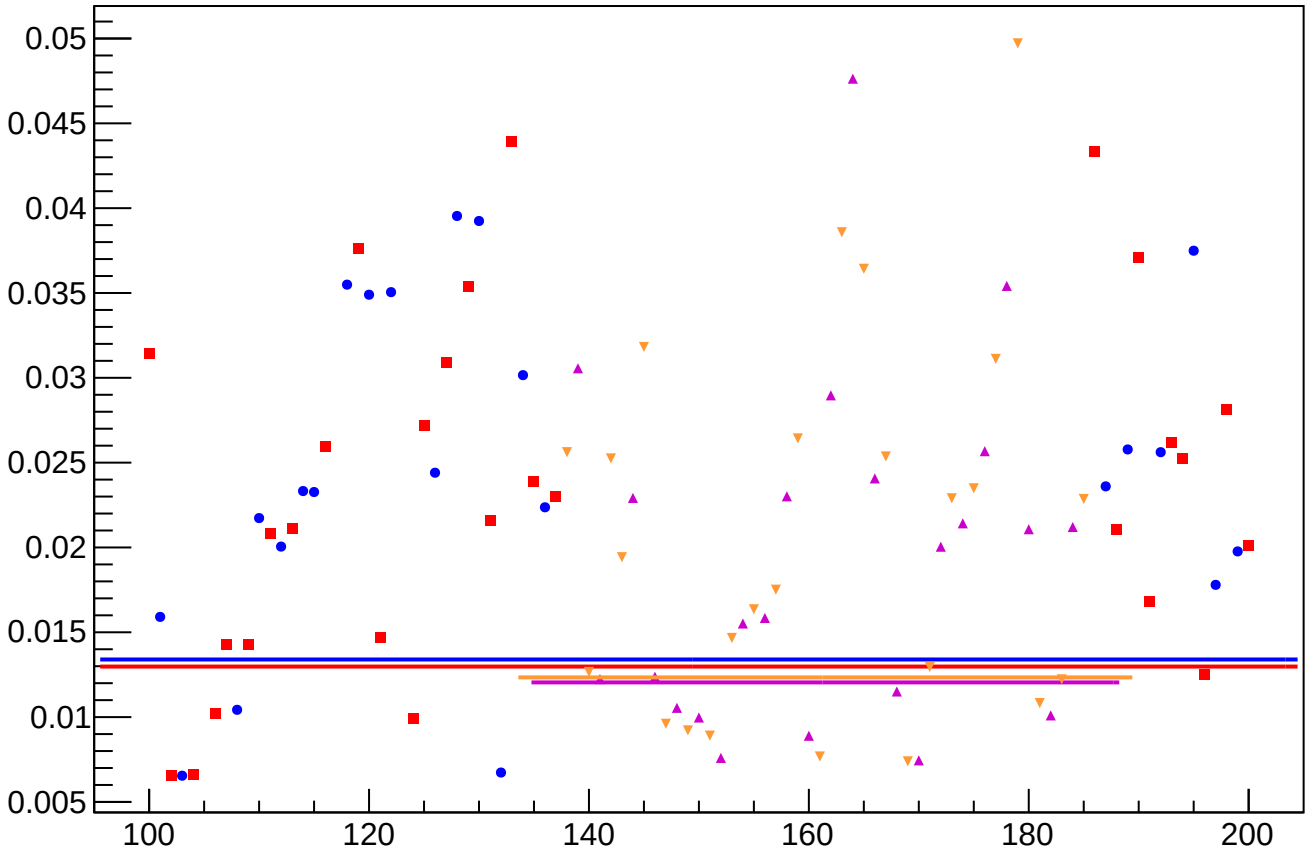
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.0/49

In: -0.000+/-0.000 χ^2/NDF:49.5/44

Out: -0.000+/-0.000 χ^2/NDF:68.0/52

All: -0.000+/-0.000 χ^2/NDF: 118.2/97



Right In: 0.013+/-0.000 χ^2/NDF: 6673782.6/21

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

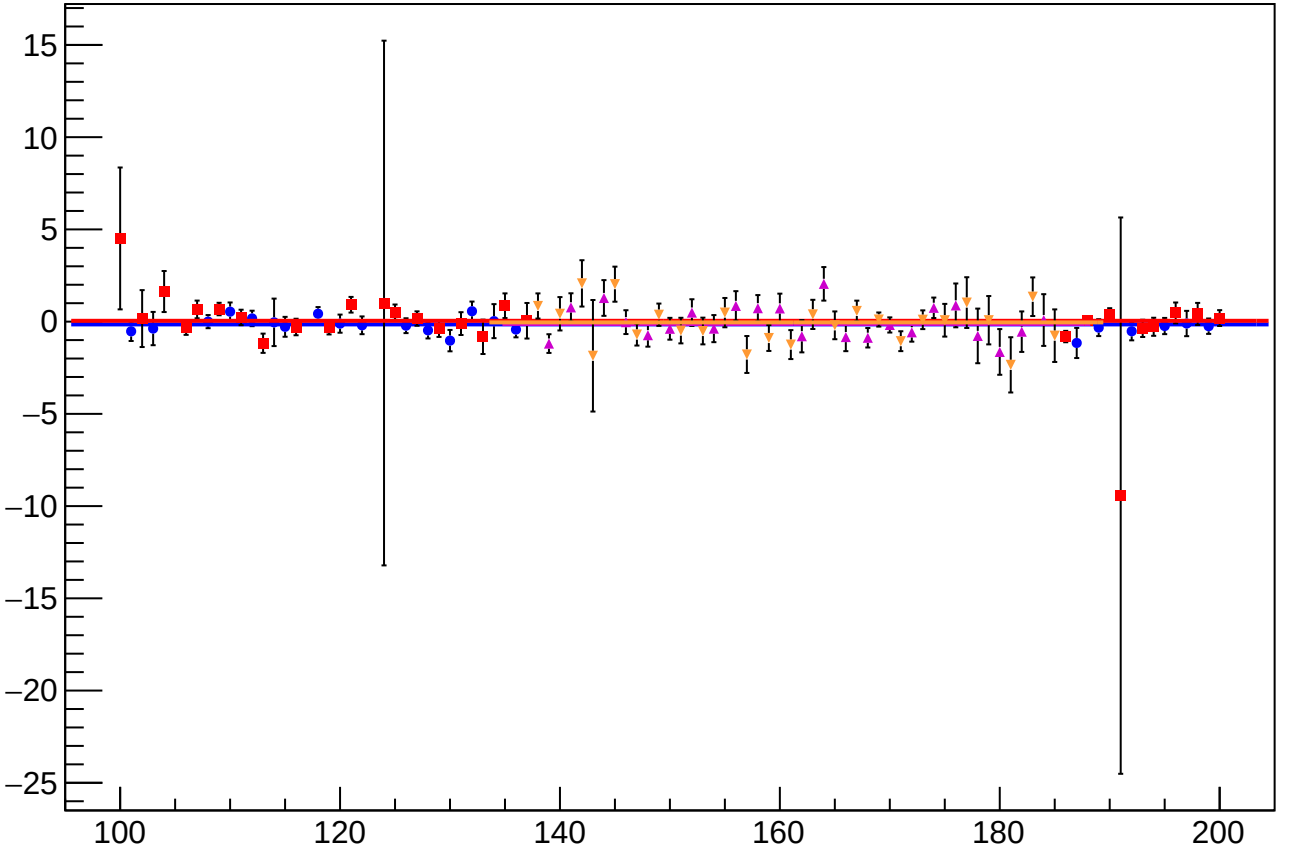
Right: 0.013+/-0.000 χ^2/NDF: 14021467.1/49

In: 0.012+/-0.000 χ^2/NDF:13160588.2/44

Out: 0.013+/-0.000 χ^2/NDF:15207272.3/52

All: 0.013+/-0.000 χ^2/NDF: 28369475.1/97

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

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

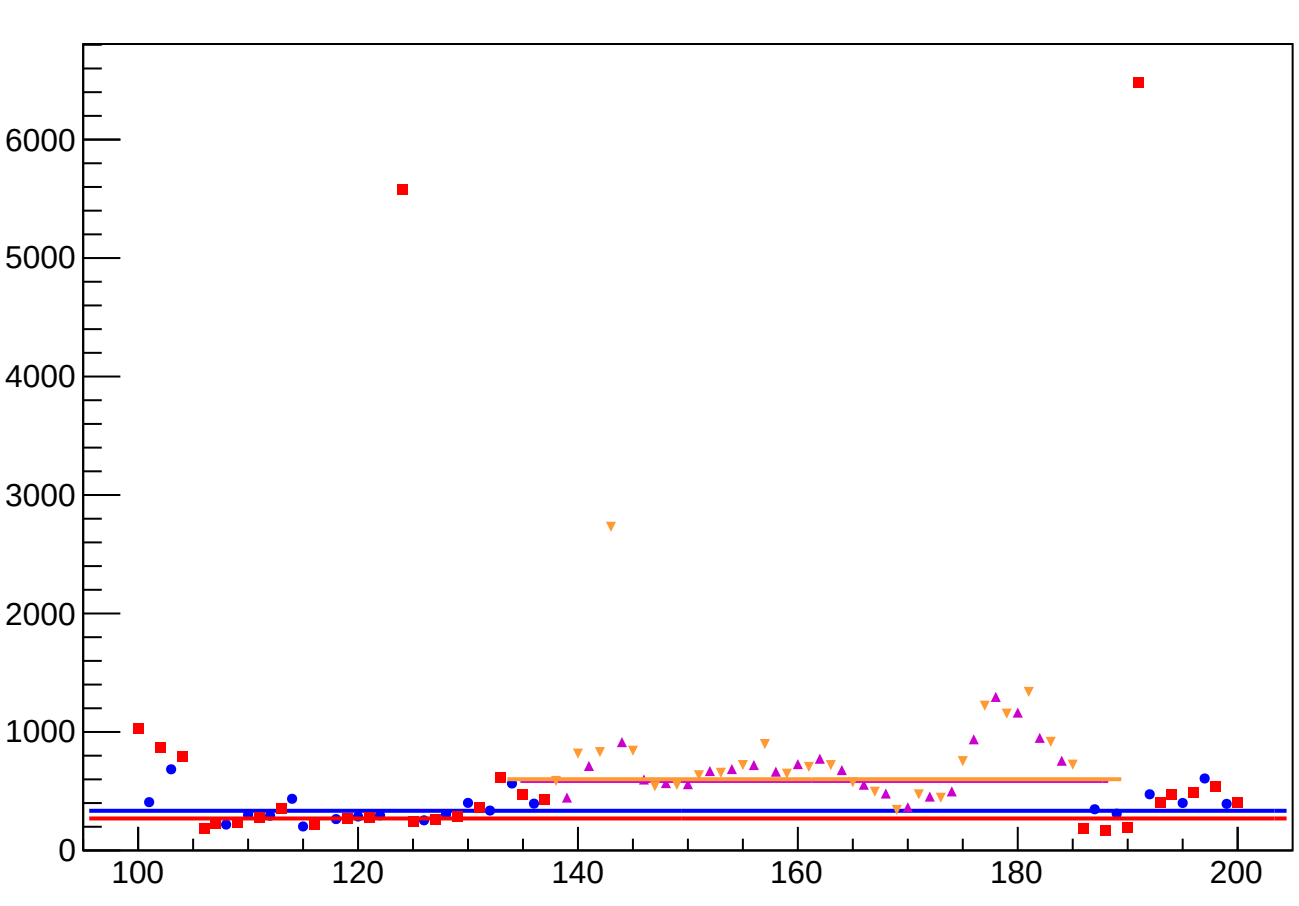
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.066 χ^2/NDF: 52.6/49

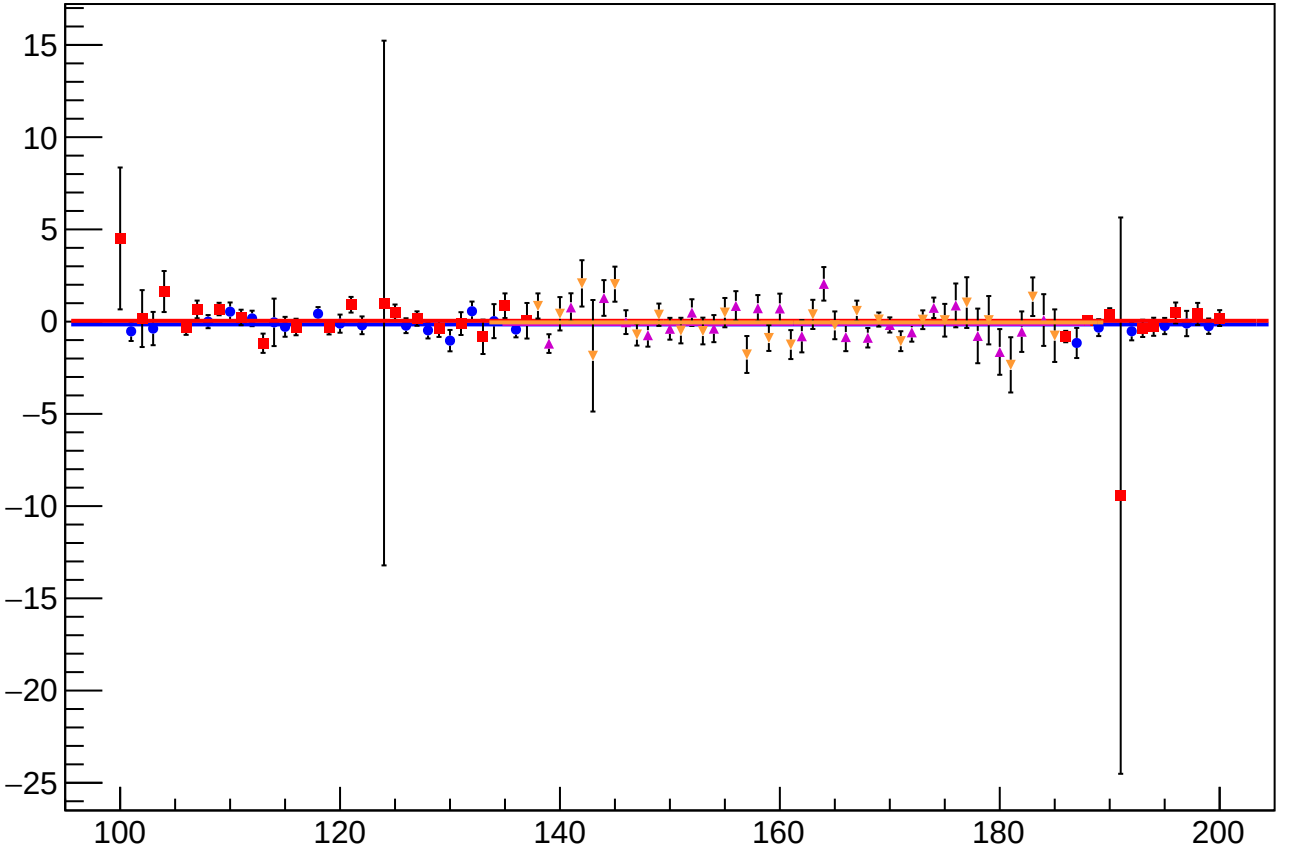
In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.047+/-0.055 χ^2/NDF: 112.1/97


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 334.834+/-0.074 χ²/NDF: 1669153.8/21
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 269.942+/-0.059 χ²/NDF: 4516943.2/27
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
Left: 593.903+/-0.073 χ²/NDF: 7404947.7/47
Right: 295.211+/-0.046 χ²/NDF: 6652825.1/49
In: 421.323+/-0.060 χ²/NDF:8559846.3/44
Out: 350.800+/-0.052 χ²/NDF:16601742.9/52
All: 380.653+/-0.039 χ²/NDF: 25954321.2/97

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

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

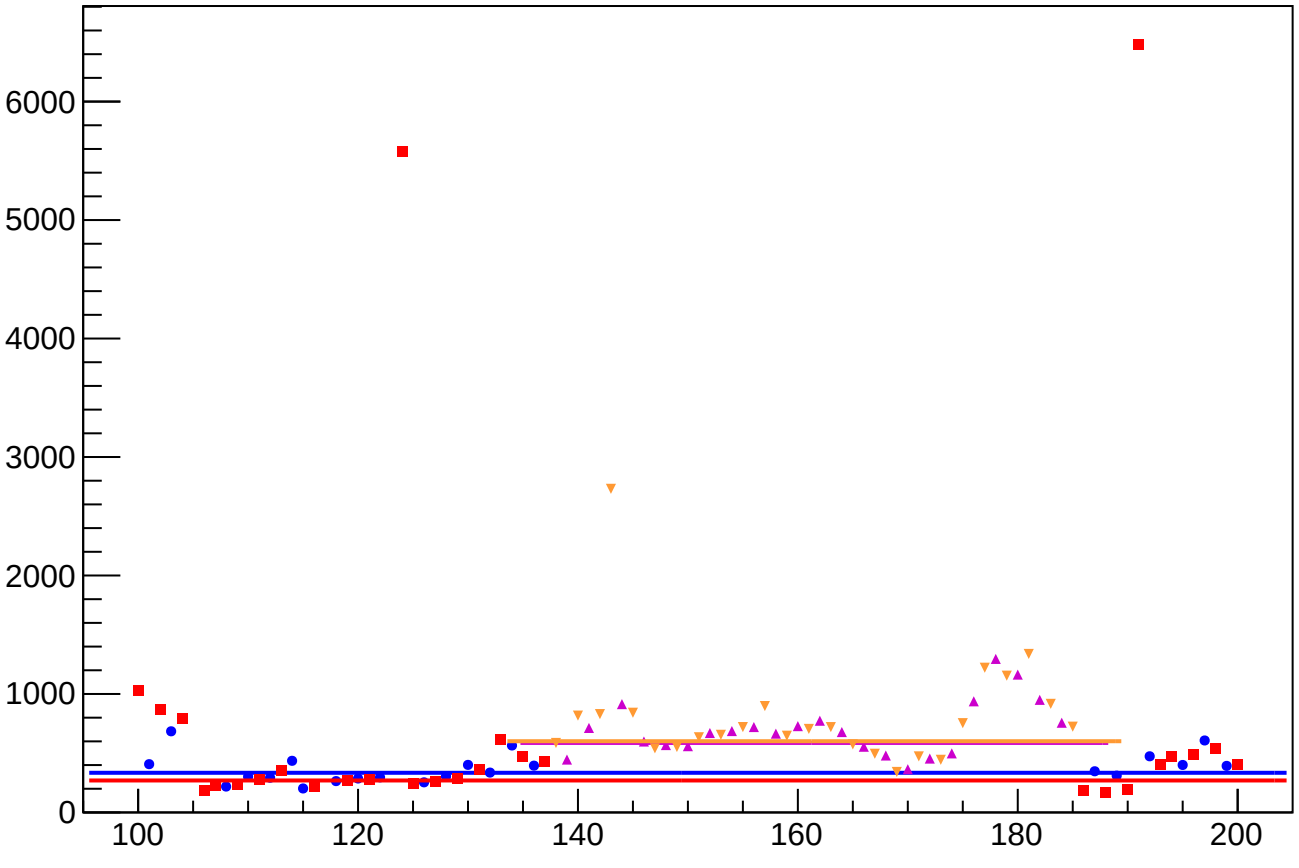
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.031+/-0.066 χ^2/NDF: 52.6/49

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.024+/-0.073 χ^2/NDF:67.4/52

All: -0.047+/-0.055 χ^2/NDF: 112.1/97



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

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

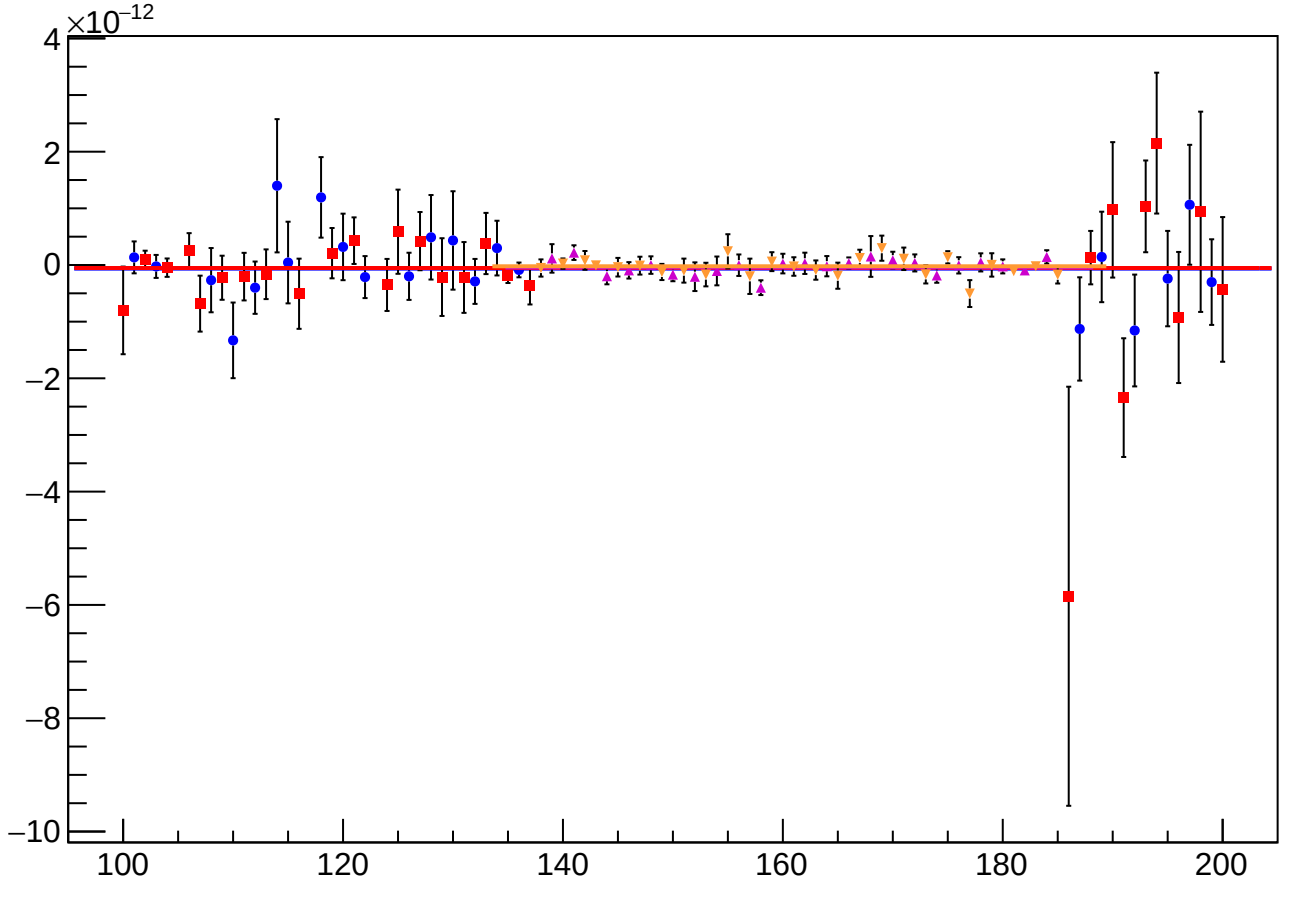
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 295.211+/-0.046 χ^2/NDF: 6652825.1/49

In: 421.323+/-0.060 χ^2/NDF:8559846.3/44

Out: 350.800+/-0.052 χ^2/NDF:16601742.9/52

All: 380.653+/-0.039 χ^2/NDF: 25954321.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/21

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

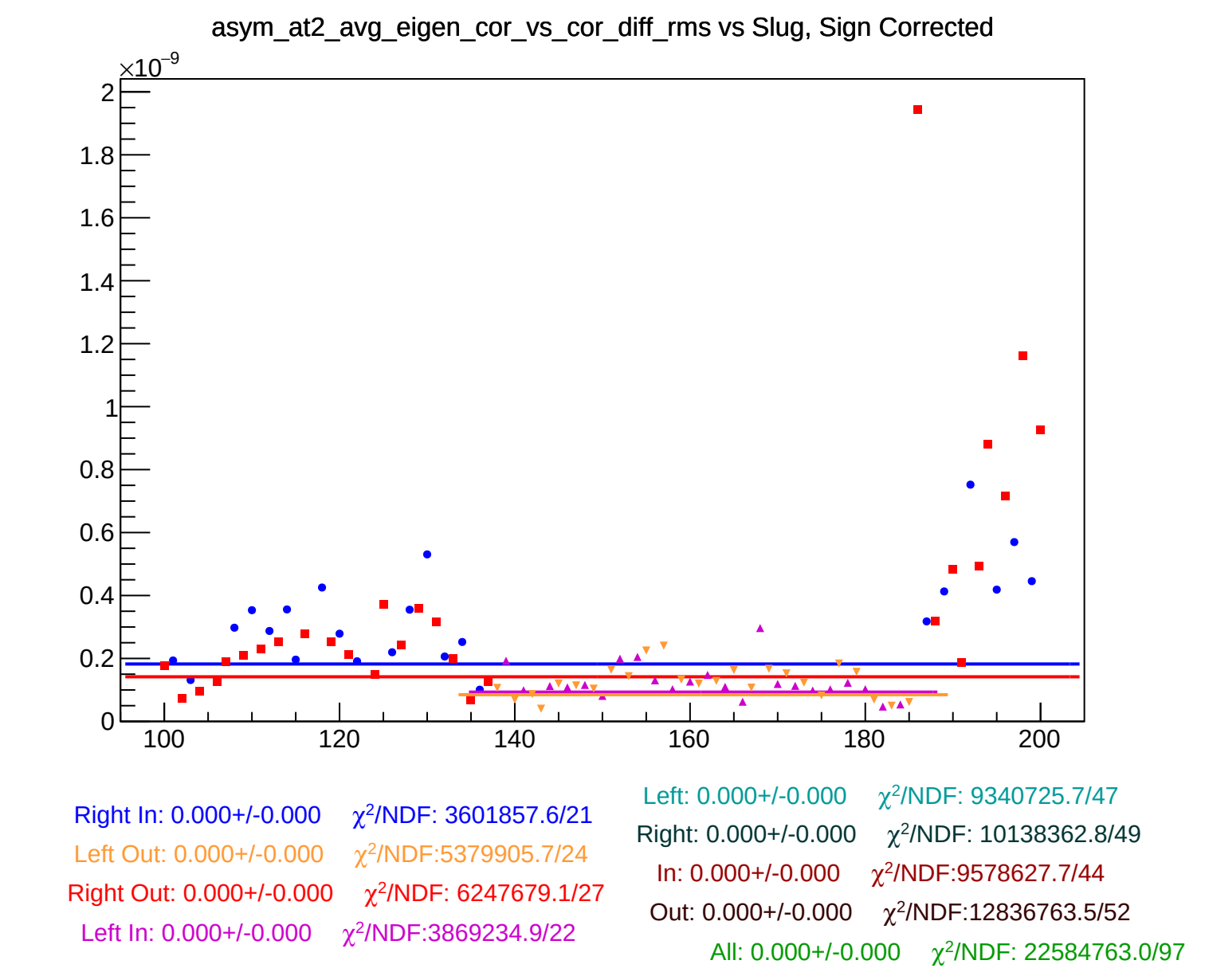
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

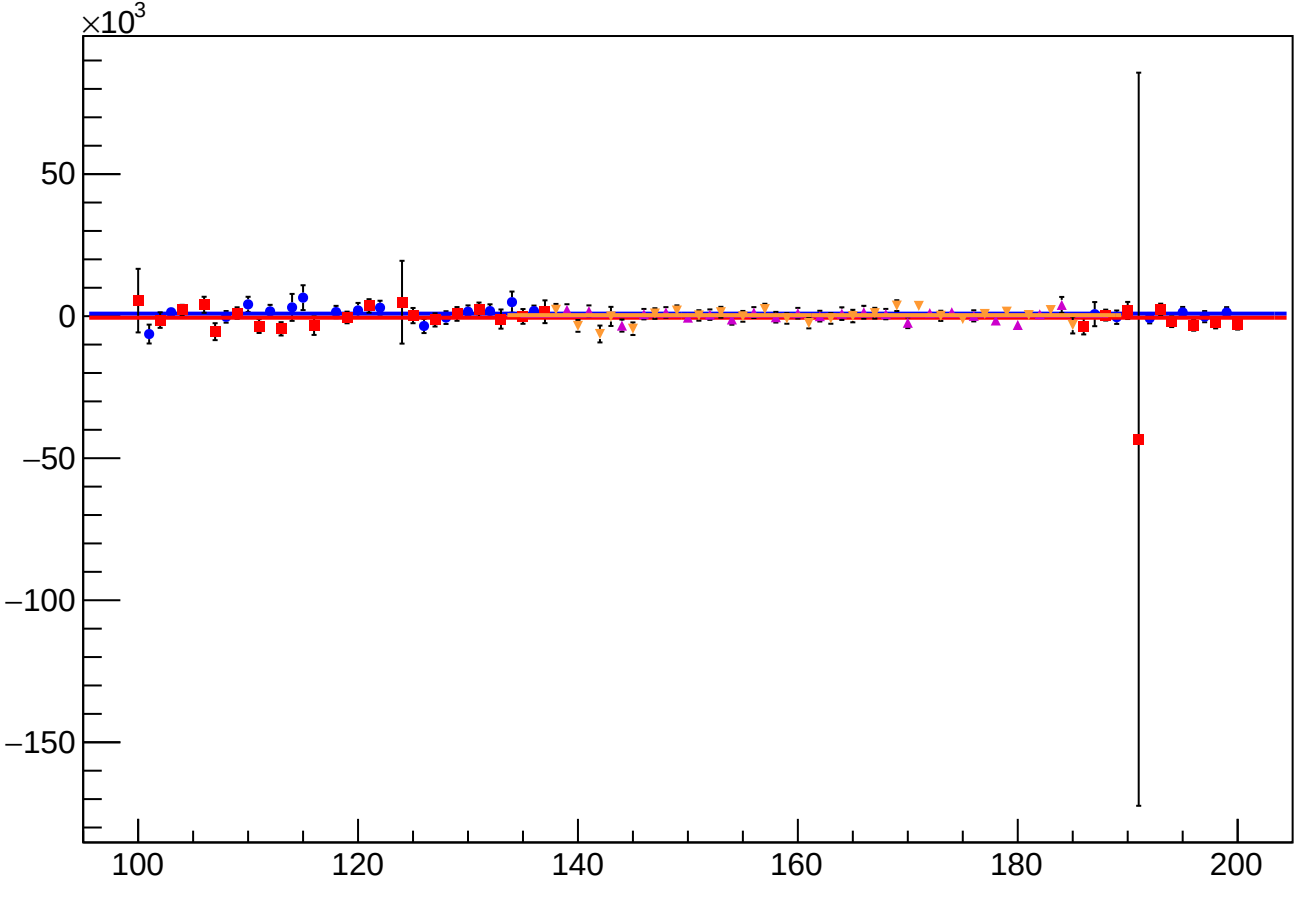
Right: -0.000+/-0.000 χ^2/NDF: 41.4/49

In: -0.000+/-0.000 χ^2/NDF:37.9/44

Out: -0.000+/-0.000 χ^2/NDF:42.0/52

All: -0.000+/-0.000 χ^2/NDF: 80.3/97


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: 3601857.6/21
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: 10138362.8/49
In: 0.000+/-0.000 χ²/NDF:9578627.7/44
Out: 0.000+/-0.000 χ²/NDF:12836763.5/52
All: 0.000+/-0.000 χ²/NDF: 22584763.0/97



Right In: 889.385+/-497.383 χ^2/NDF: 16.1/21

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

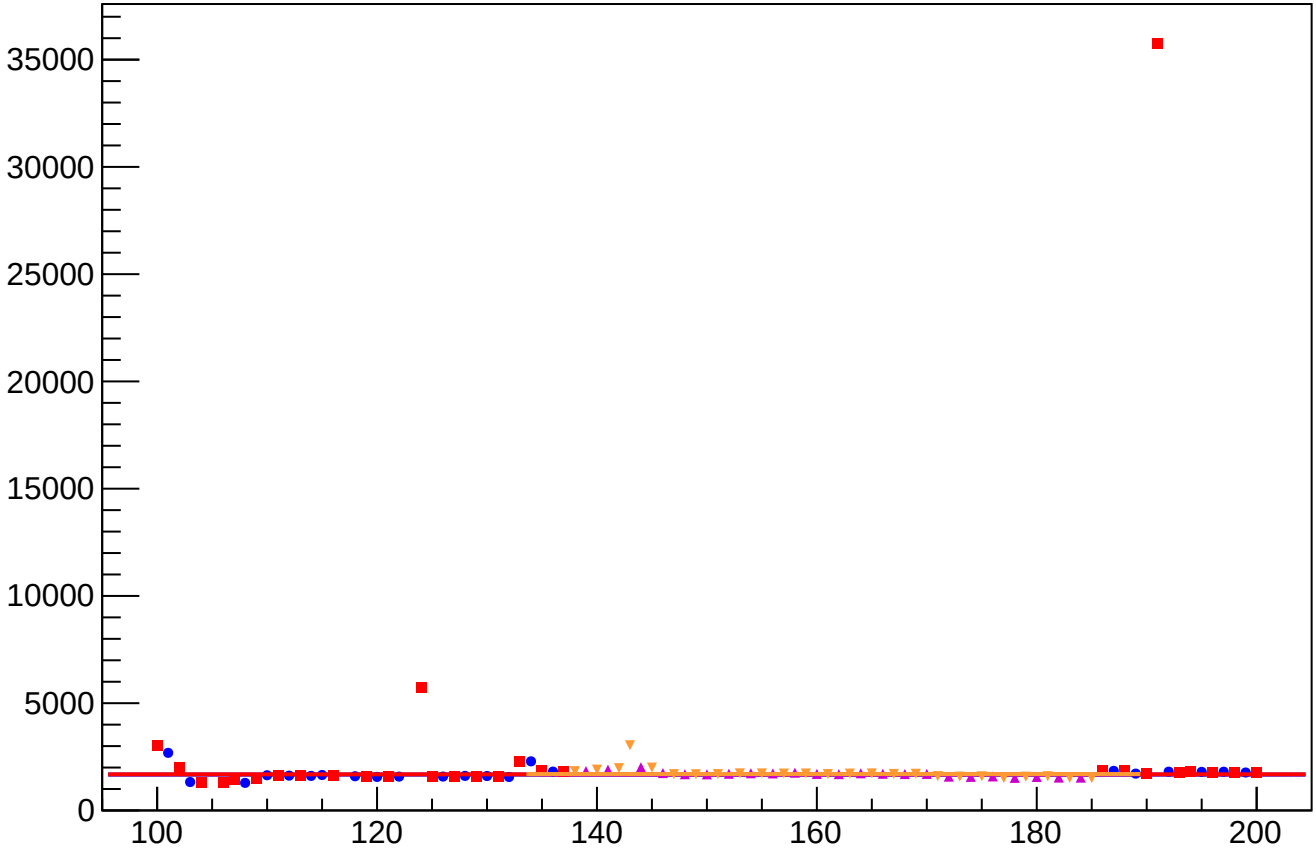
Right: 124.943+/-340.668 χ^2/NDF: 48.2/49

In: 439.622+/-308.966 χ^2/NDF:33.4/44

Out: -10.511+/-298.641 χ^2/NDF:59.5/52

All: 206.908+/-214.728 χ^2/NDF: 94.0/97

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.5/21

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

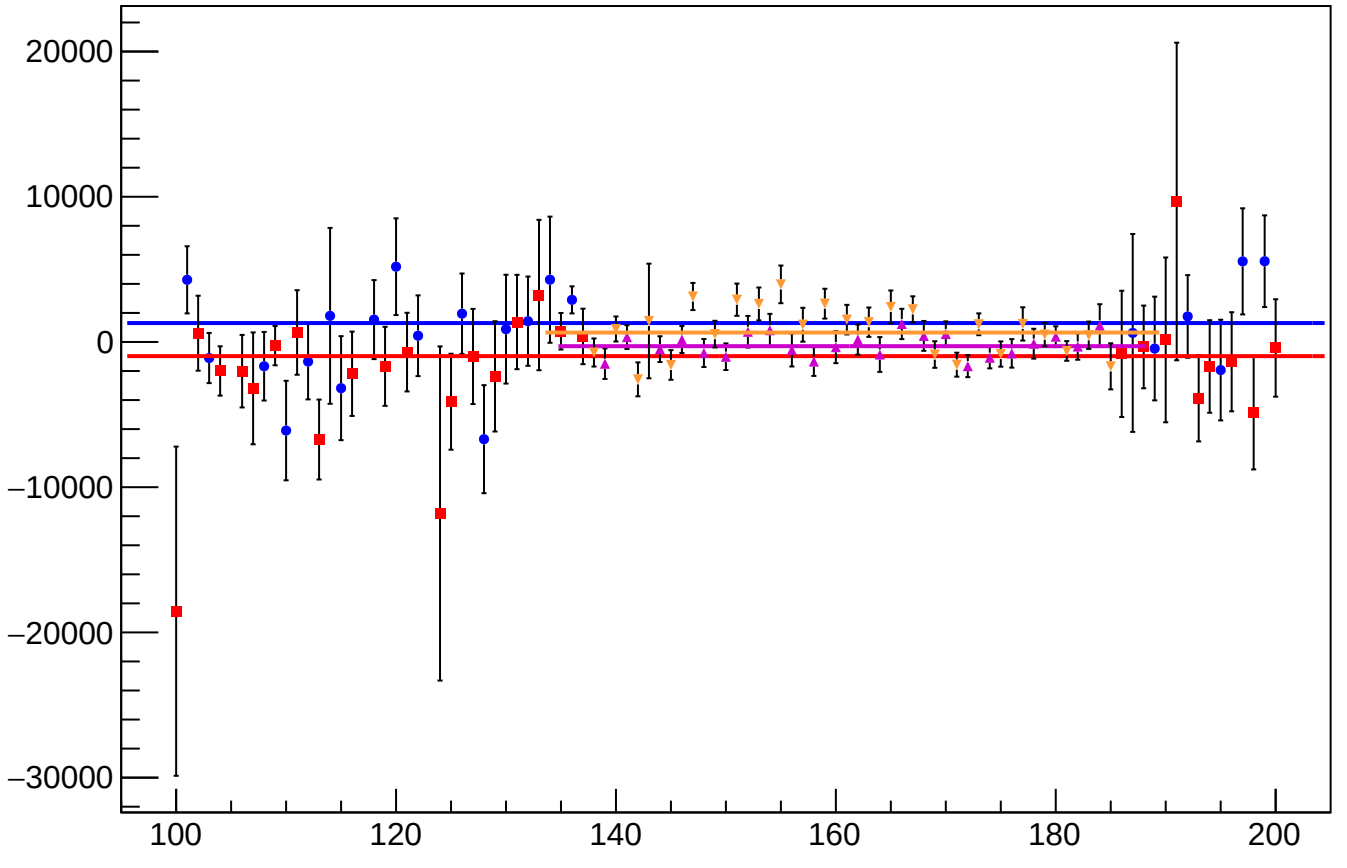
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1677.729+/-0.241 χ^2/NDF: 1127617.6/49

In: 1679.445+/-0.218 χ^2/NDF:627389.4/44

Out: 1691.757+/-0.211 χ^2/NDF:1162297.9/52

All: 1685.810+/-0.152 χ^2/NDF: 1791329.1/97



Right In: 1302.938+/-537.291 χ^2/NDF: 26.4/21

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

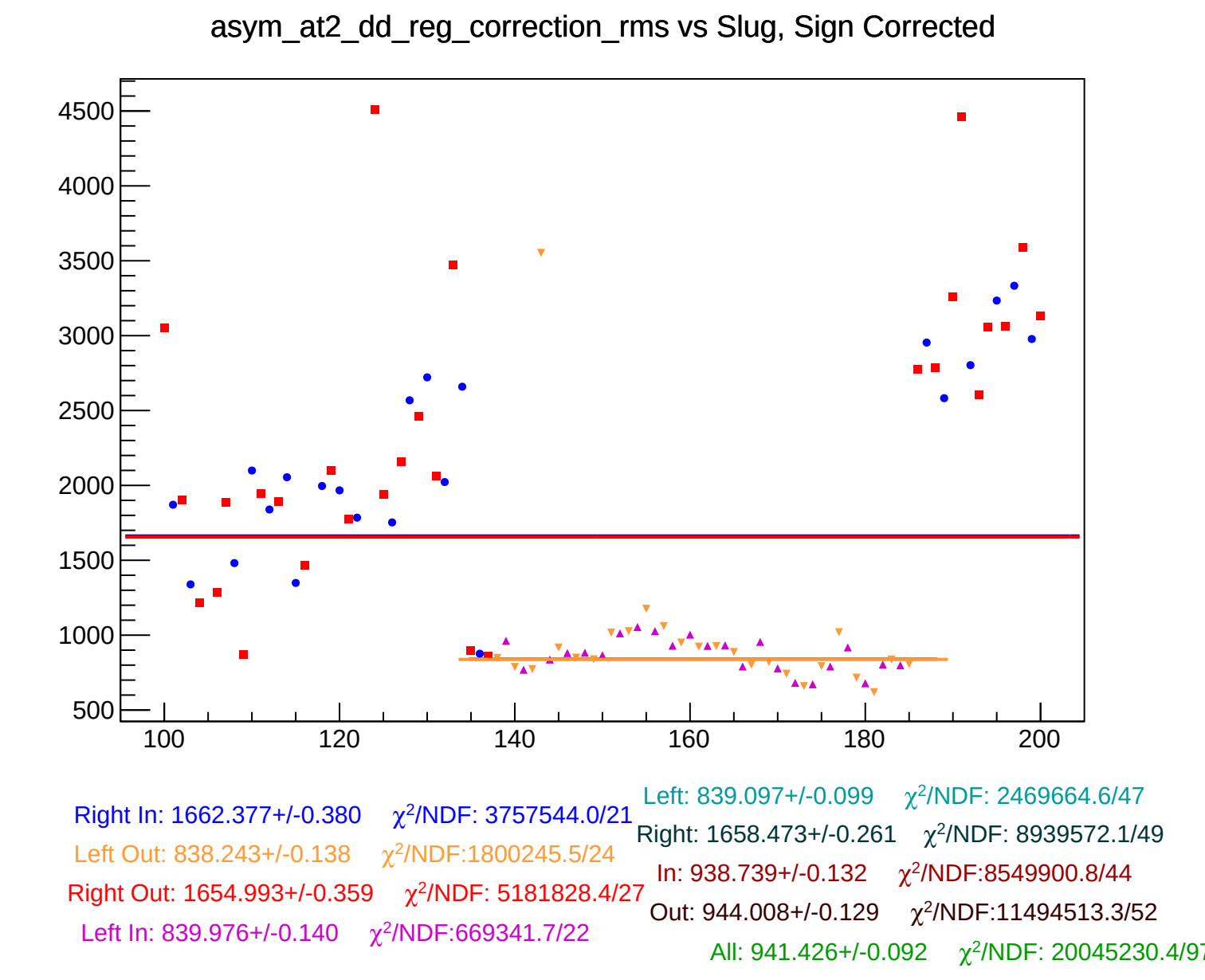
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

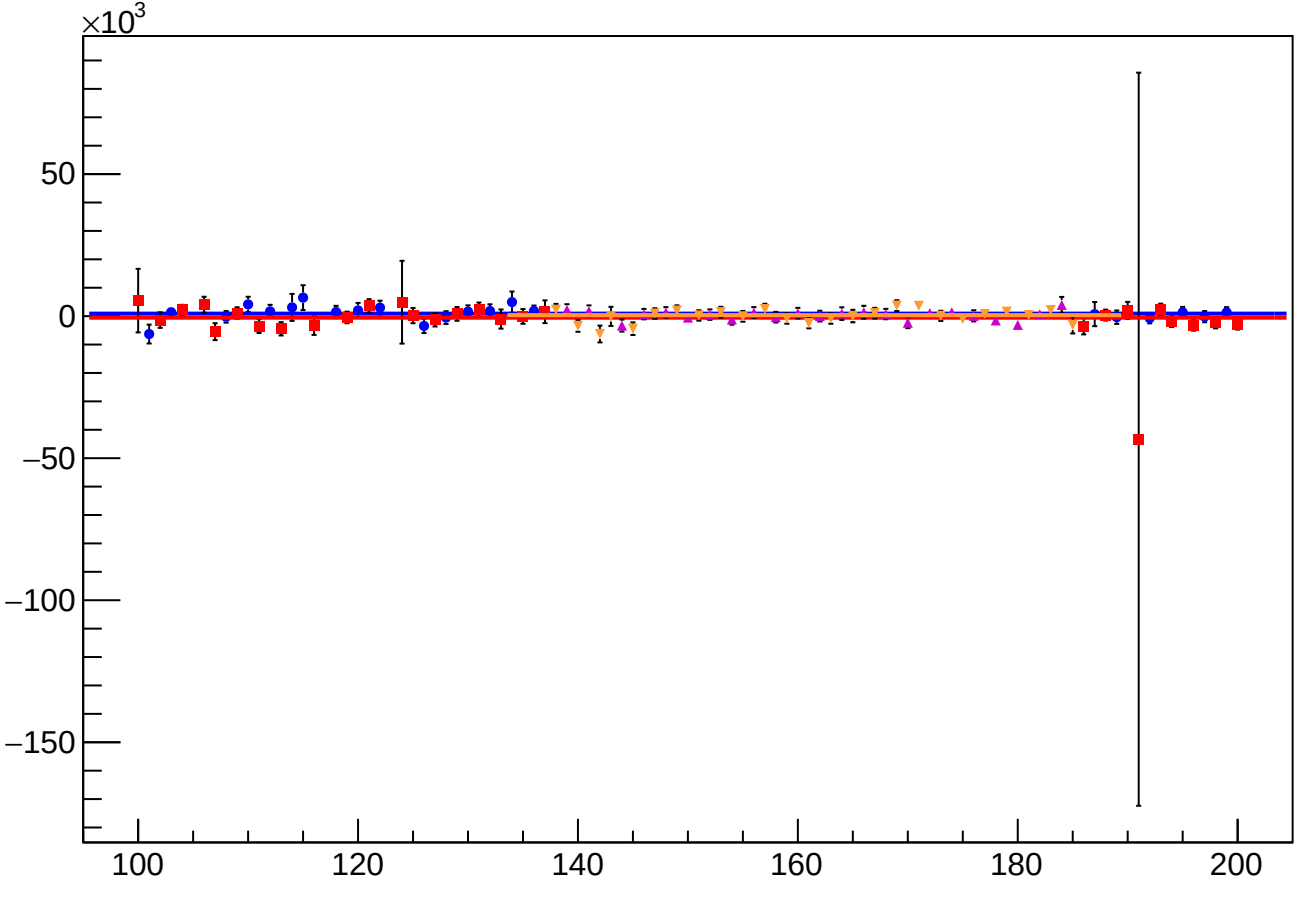
Right: 98.300+/-368.871 χ^2/NDF: 53.3/49

In: -97.483+/-186.194 χ^2/NDF:50.6/44

Out: 438.753+/-182.562 χ^2/NDF:91.8/52

All: 175.916+/-130.356 χ^2/NDF: 146.7/97


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: 1662.377+/-0.380 χ²/NDF: 3757544.0/21
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: 1658.473+/-0.261 χ²/NDF: 8939572.1/49
In: 938.739+/-0.132 χ²/NDF:8549900.8/44
Out: 944.008+/-0.129 χ²/NDF:11494513.3/52
All: 941.426+/-0.092 χ²/NDF: 20045230.4/97



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

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

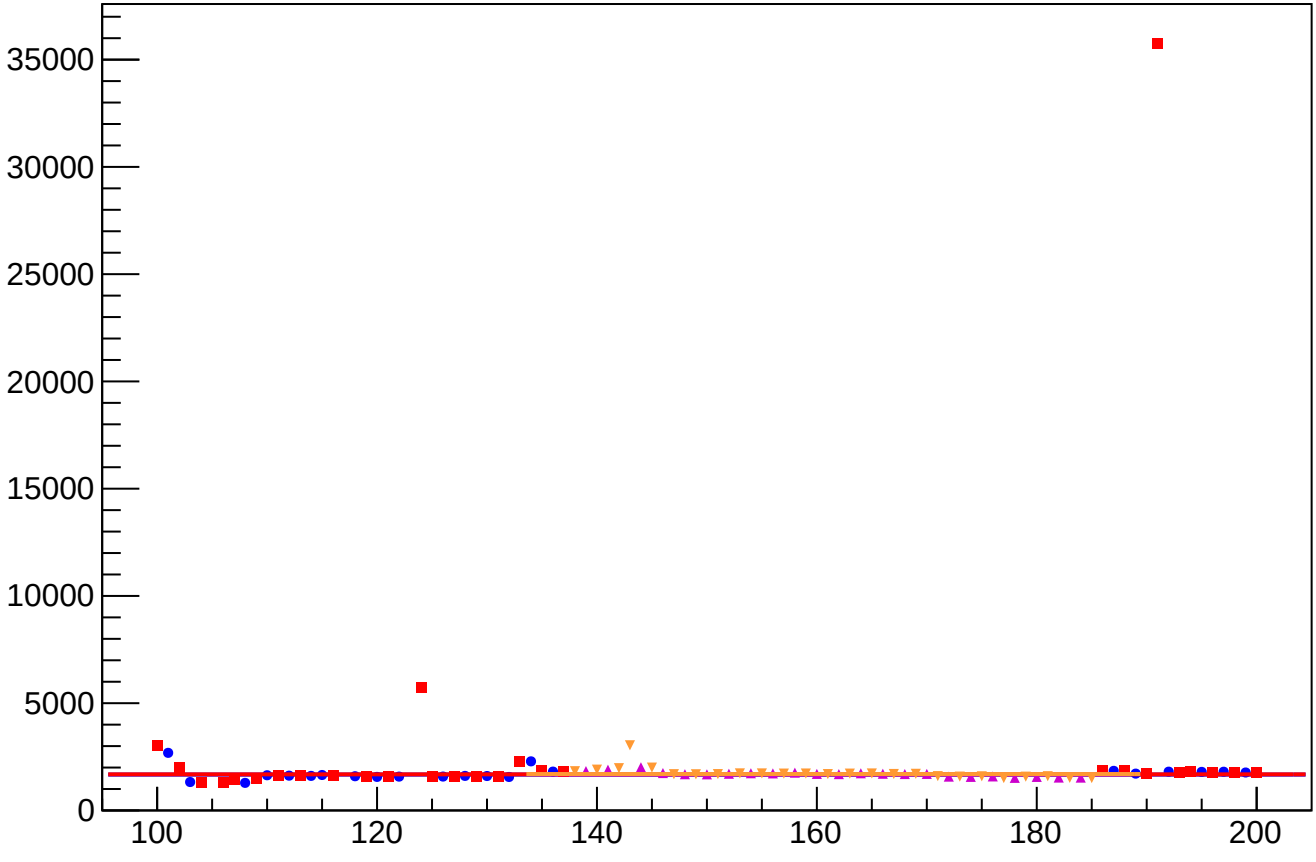
Right: 124.834+/-340.668 χ^2/NDF: 48.2/49

In: 439.559+/-308.966 χ^2/NDF:33.4/44

Out: -10.640+/-298.641 χ^2/NDF:59.5/52

All: 206.811+/-214.728 χ^2/NDF: 94.0/97

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

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

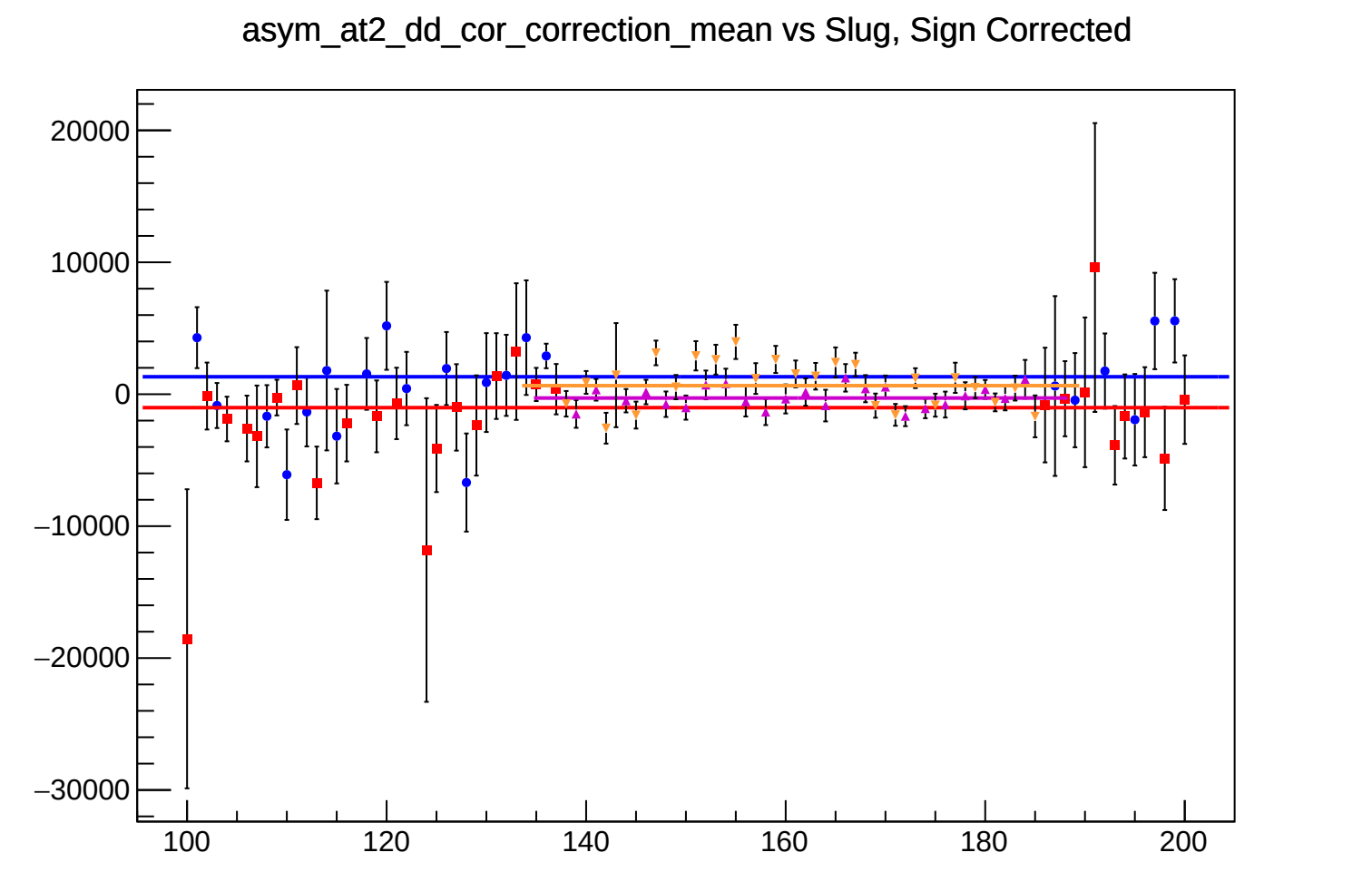
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1677.729+/-0.241 χ^2/NDF: 1127618.0/49

In: 1679.445+/-0.218 χ^2/NDF:627389.7/44

Out: 1691.757+/-0.211 χ^2/NDF:1162298.0/52

All: 1685.810+/-0.152 χ^2/NDF: 1791329.5/97



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

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

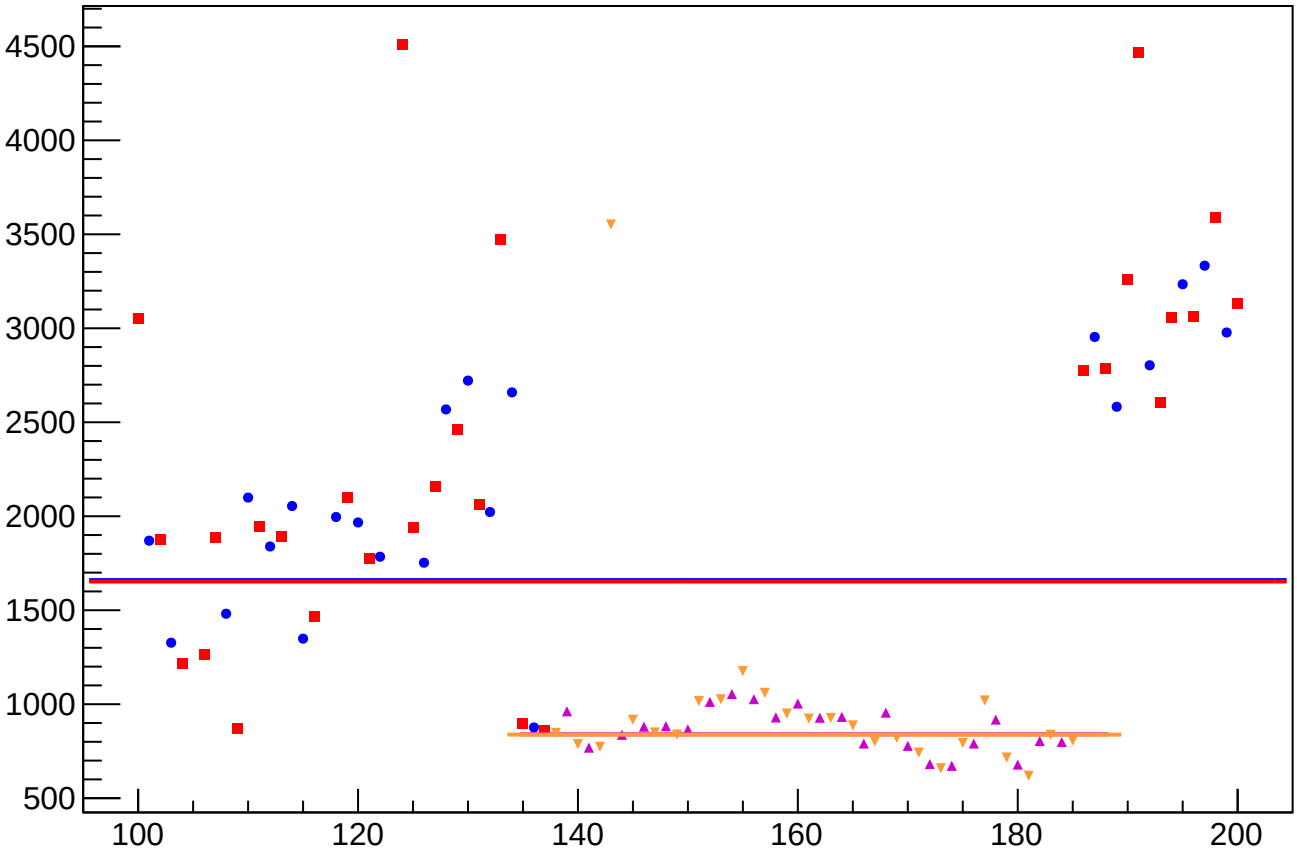
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 84.971+/-368.435 χ^2/NDF: 53.4/49

In: -94.725+/-186.167 χ^2/NDF:50.5/44

Out: 432.791+/-182.537 χ^2/NDF:92.2/52

All: 174.226+/-130.338 χ^2/NDF: 146.8/97



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

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

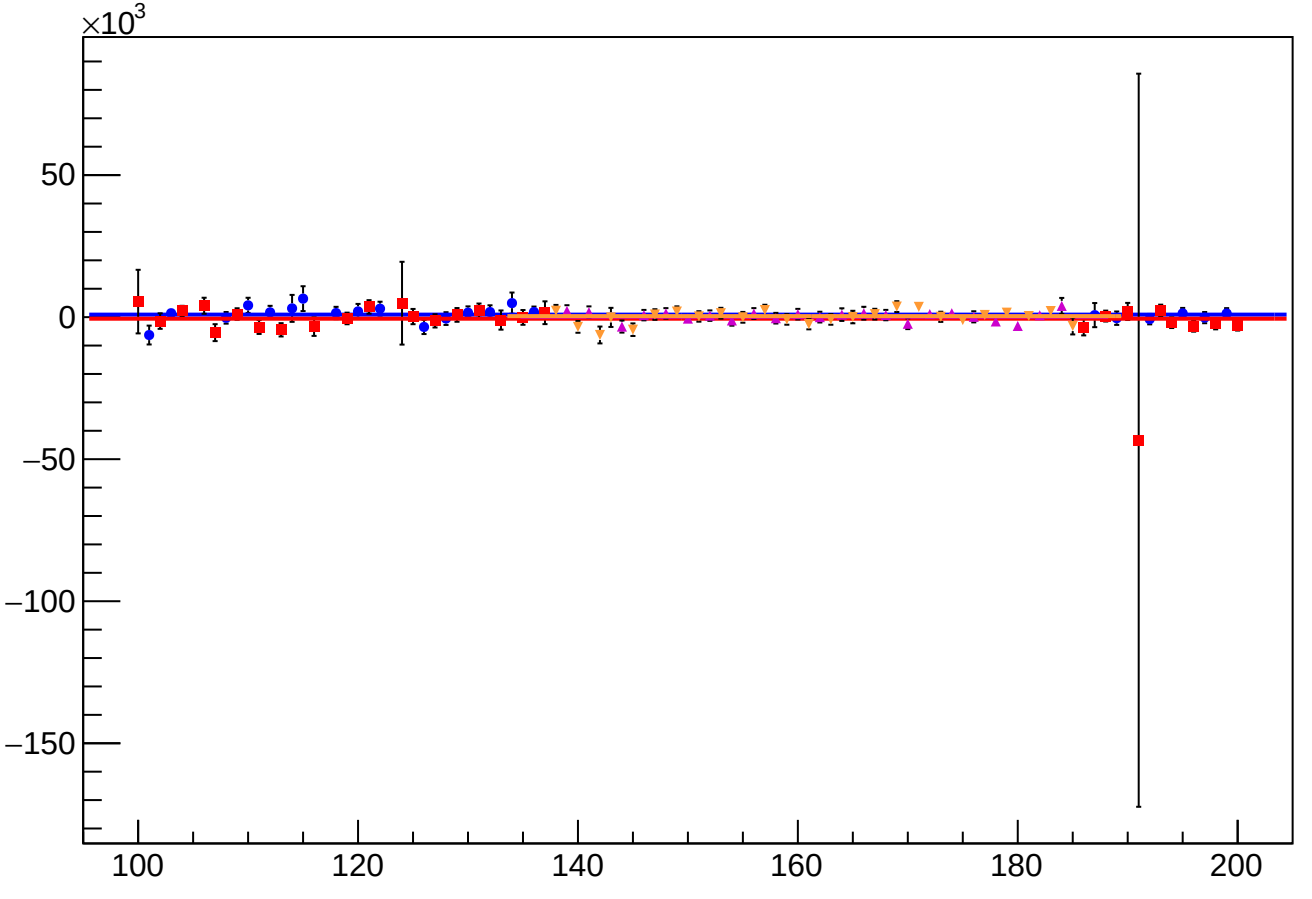
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1656.315+/-0.261 χ^2/NDF: 8950992.4/49

In: 938.717+/-0.132 χ^2/NDF:8545800.3/44

Out: 943.930+/-0.129 χ^2/NDF:11482141.3/52

All: 941.375+/-0.092 χ^2/NDF: 20028741.0/97



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

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

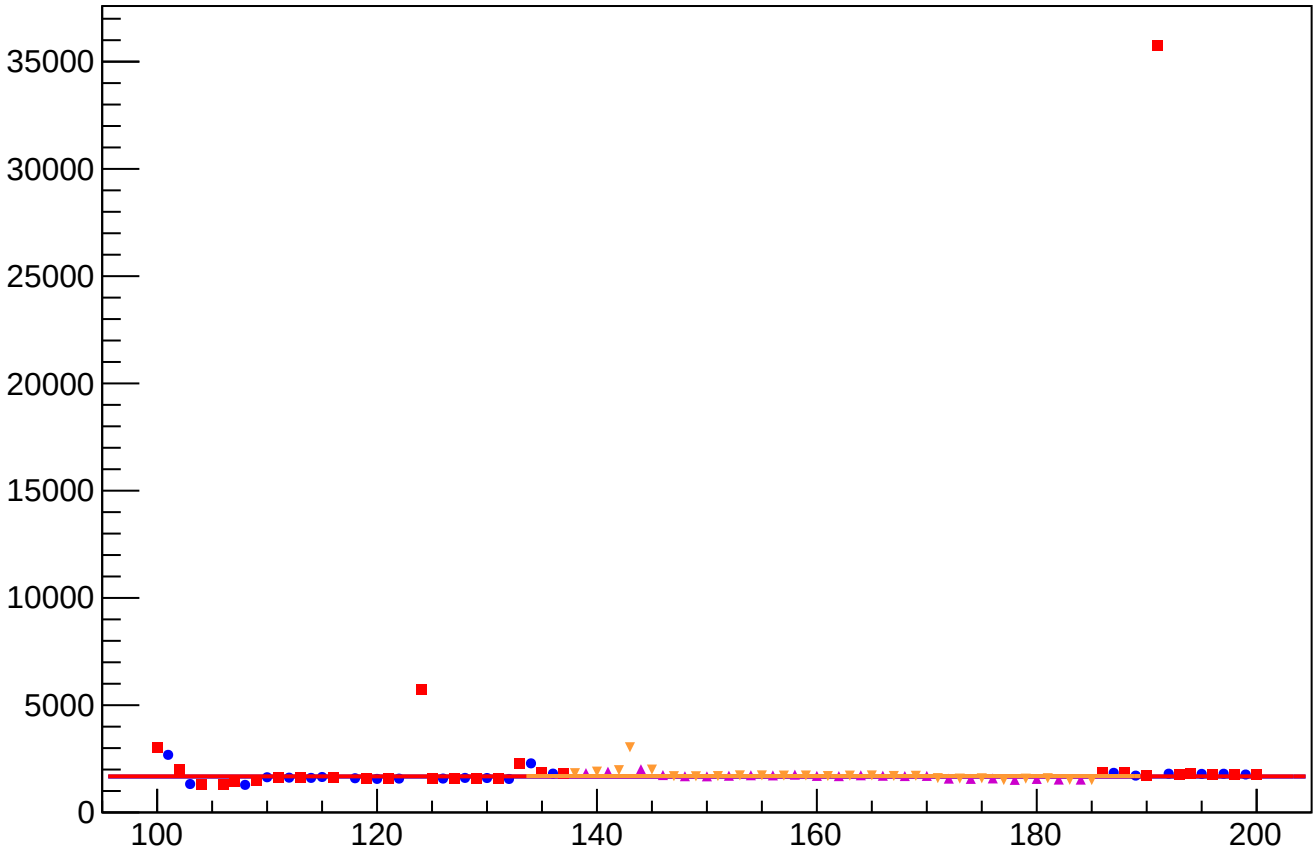
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 124.834+/-340.668 χ^2/NDF: 48.2/49

In: 439.559+/-308.966 χ^2/NDF:33.4/44

Out: -10.640+/-298.641 χ^2/NDF:59.5/52

All: 206.811+/-214.728 χ^2/NDF: 94.0/97



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

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

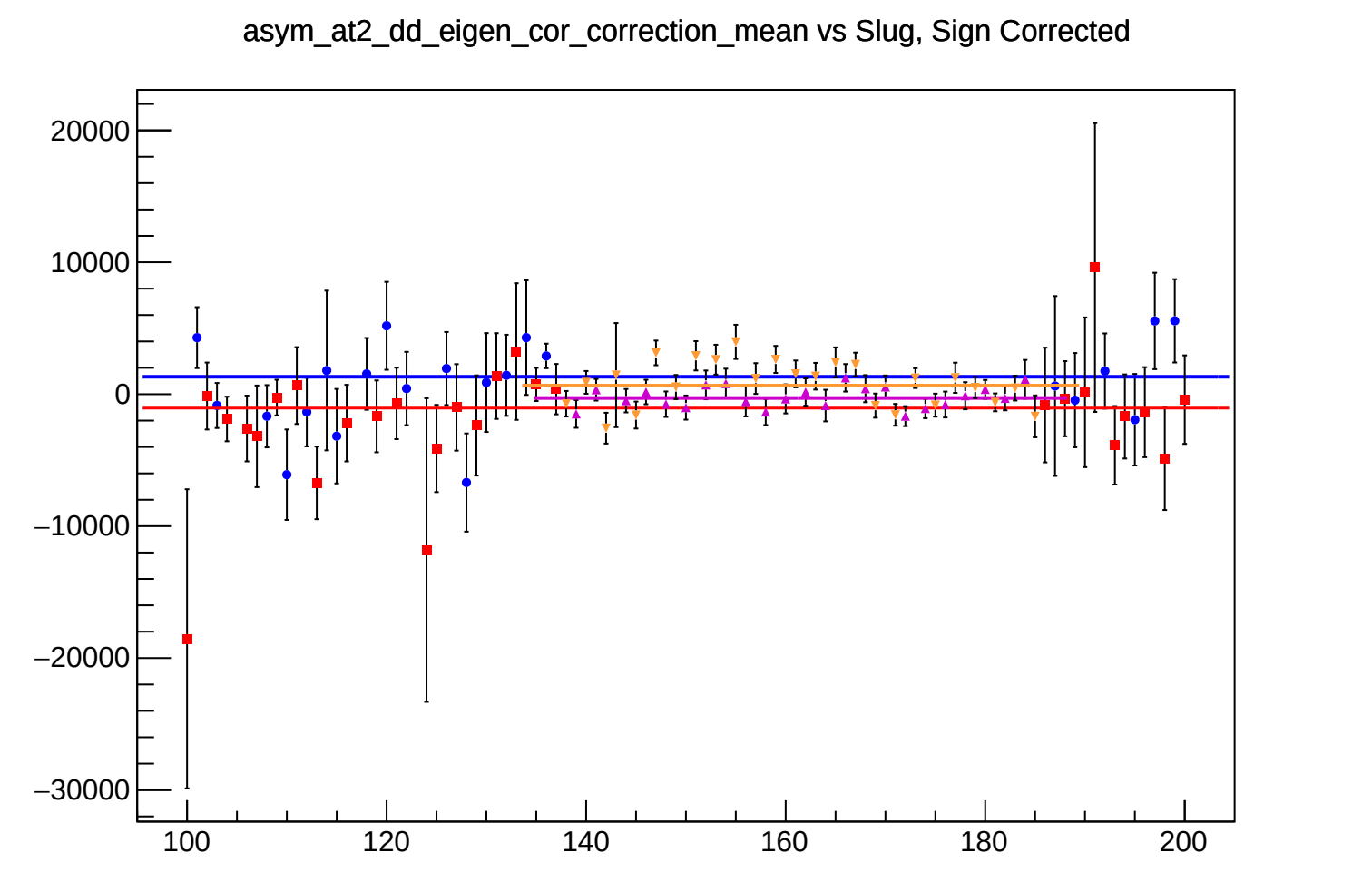
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1677.729+/-0.241 χ^2/NDF: 1127618.0/49

In: 1679.445+/-0.218 χ^2/NDF:627389.7/44

Out: 1691.757+/-0.211 χ^2/NDF:1162298.0/52

All: 1685.810+/-0.152 χ^2/NDF: 1791329.5/97



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

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

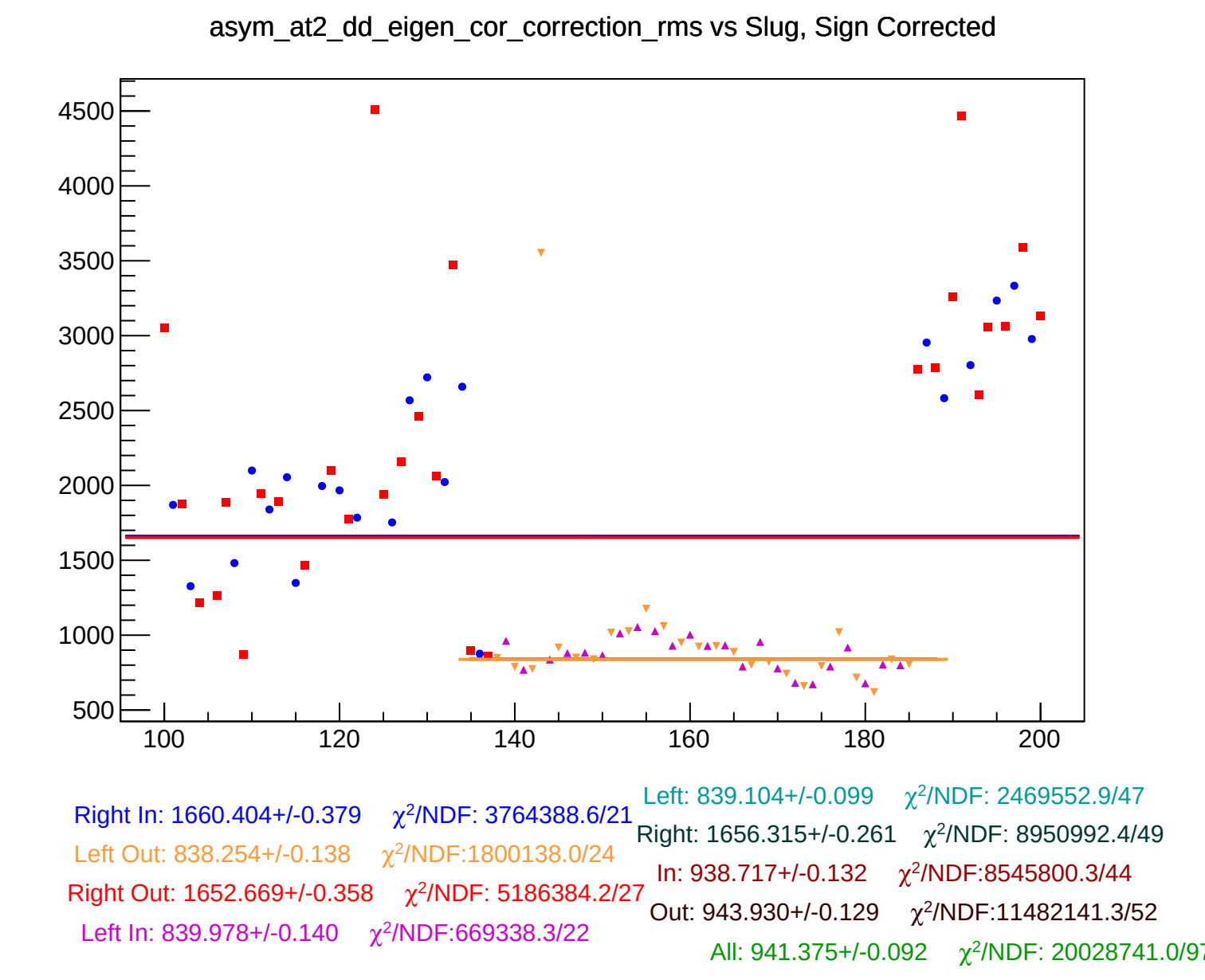
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

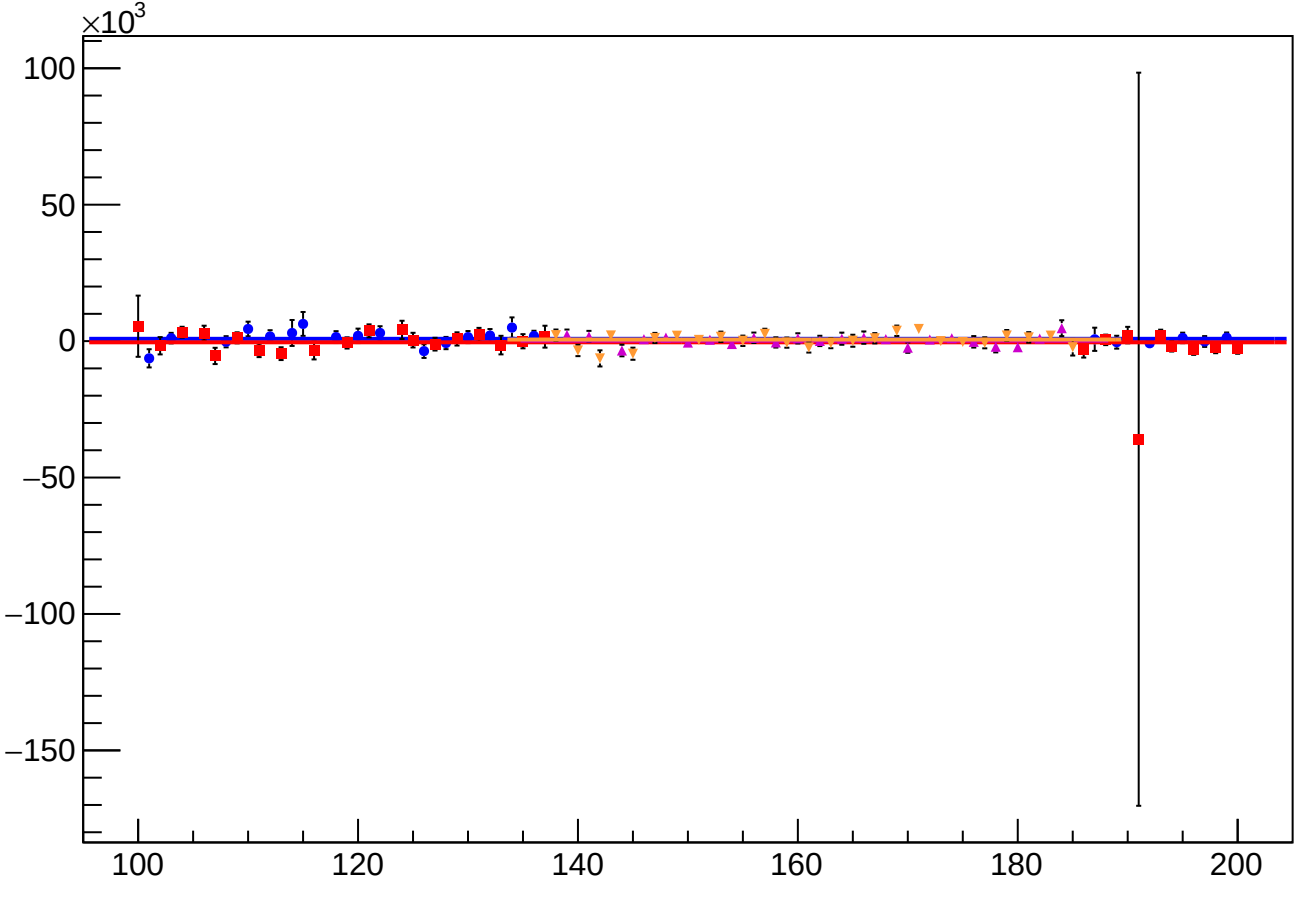
Right: 84.971+/-368.435 χ^2/NDF: 53.4/49

In: -94.725+/-186.167 χ^2/NDF:50.5/44

Out: 432.791+/-182.537 χ^2/NDF:92.2/52

All: 174.226+/-130.338 χ^2/NDF: 146.8/97


asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1660.404+/-0.379 χ²/NDF: 3764388.6/21
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1652.669+/-0.358 χ²/NDF: 5186384.2/27
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1656.315+/-0.261 χ²/NDF: 8950992.4/49
In: 938.717+/-0.132 χ²/NDF:8545800.3/44
Out: 943.930+/-0.129 χ²/NDF:11482141.3/52
All: 941.375+/-0.092 χ²/NDF: 20028741.0/97



Right In: 843.510+/-502.292 χ^2/NDF: 16.6/21

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

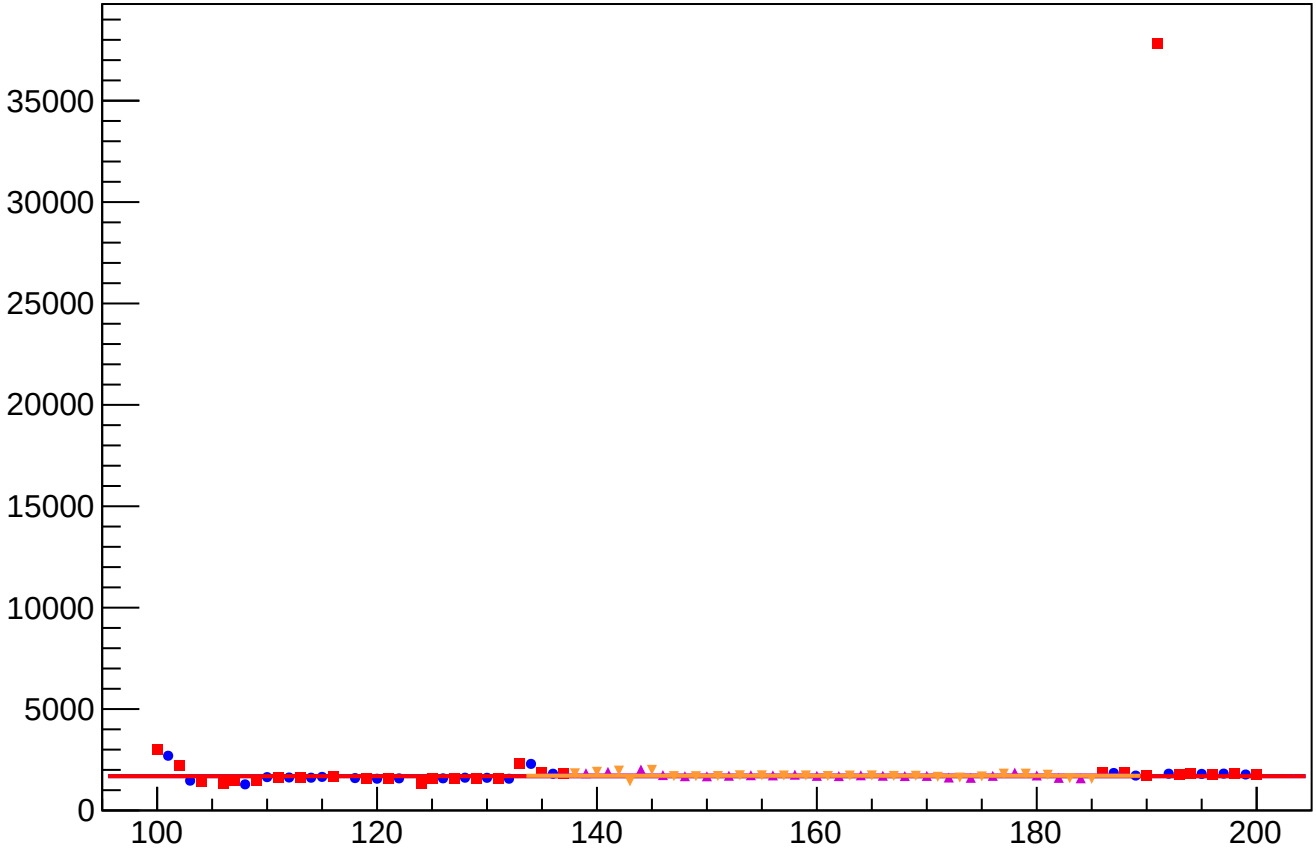
Right: 159.132+/-342.428 χ^2/NDF: 50.0/49

In: 444.247+/-314.852 χ^2/NDF:32.1/44

Out: 164.489+/-299.515 χ^2/NDF:64.6/52

All: 297.388+/-217.009 χ^2/NDF: 97.1/97

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1689.818+/-0.355 χ^2/NDF: 406956.1/21

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

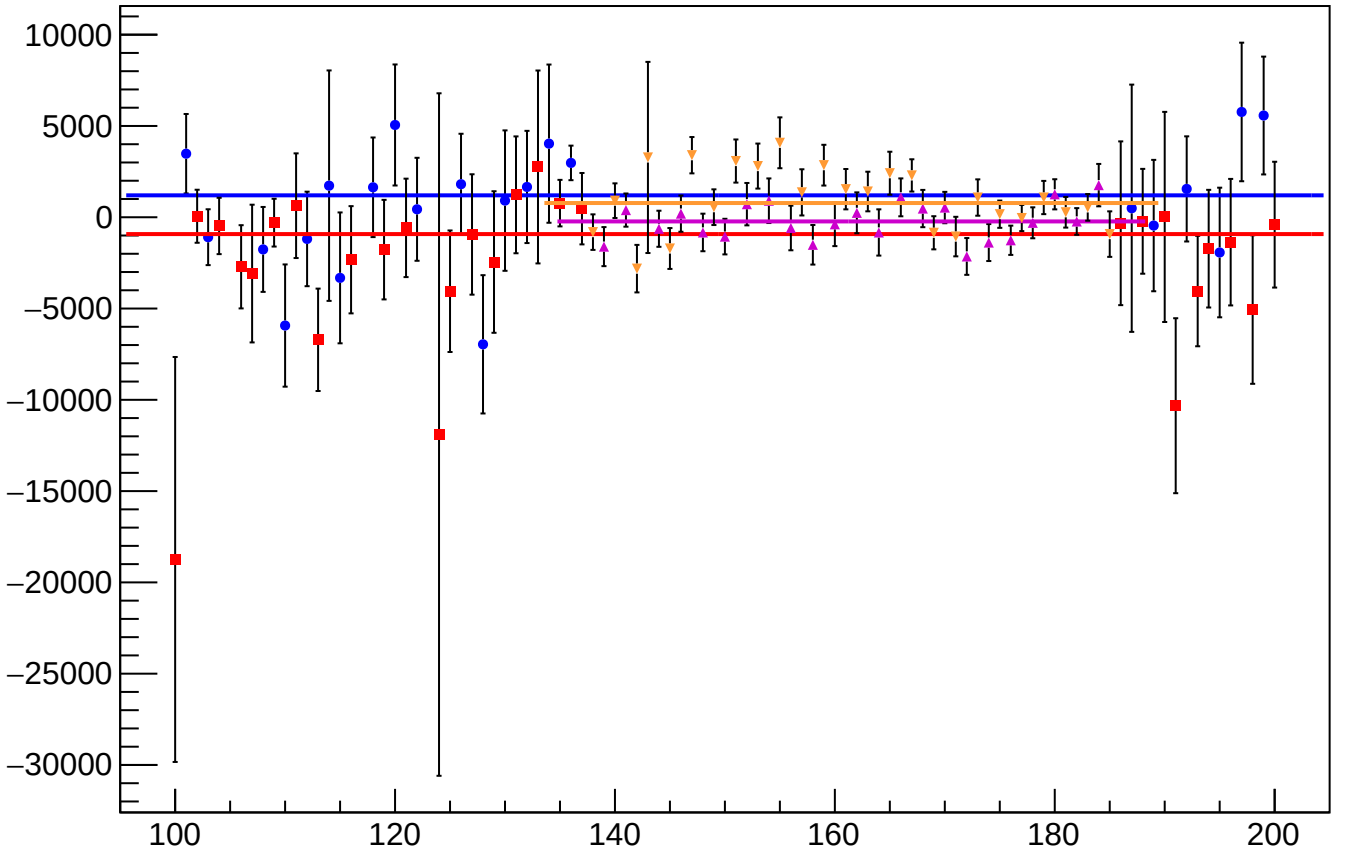
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1689.626+/-0.242 χ^2/NDF: 933052.9/49

In: 1712.944+/-0.223 χ^2/NDF:514166.7/44

Out: 1702.599+/-0.212 χ^2/NDF:696772.0/52

All: 1707.514+/-0.153 χ^2/NDF: 1212072.2/97



Right In: 1200.252+/-532.621 χ^2/NDF: 26.4/21

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

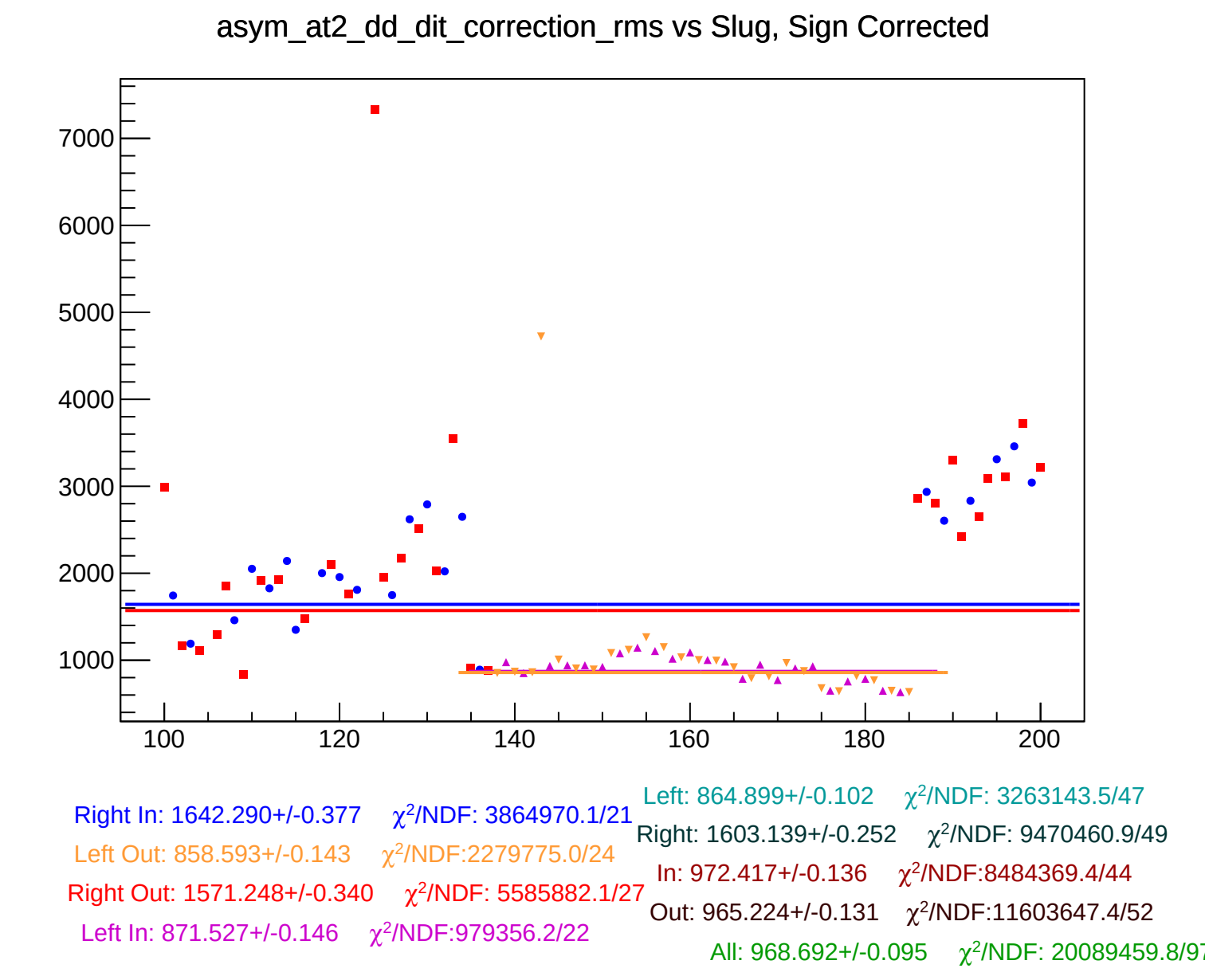
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

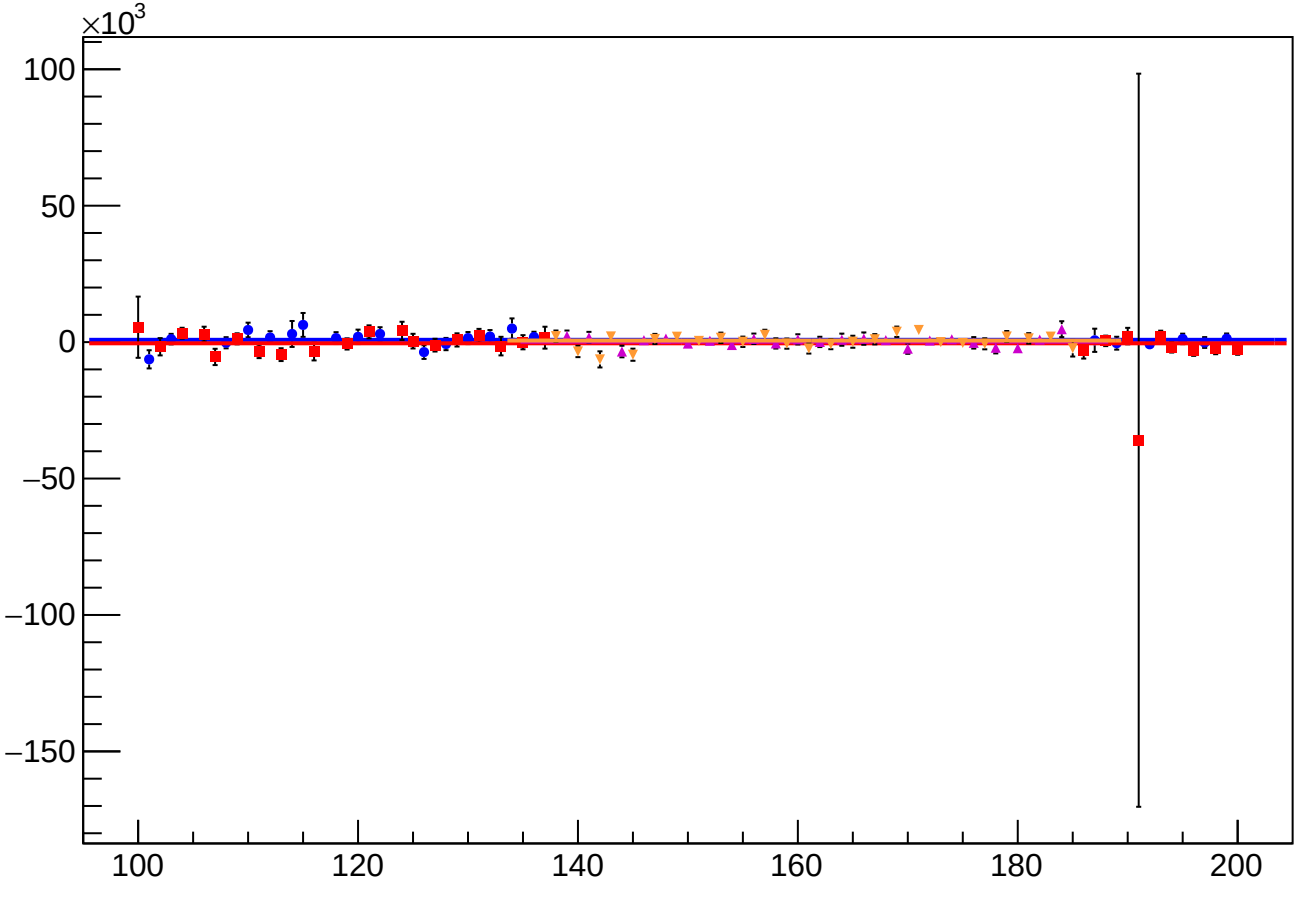
Right: 30.712+/-356.857 χ^2/NDF: 55.1/49

In: -41.810+/-192.701 χ^2/NDF:55.2/44

Out: 524.471+/-185.945 χ^2/NDF:85.1/52

All: 251.431+/-133.807 χ^2/NDF: 144.8/97


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1642.290+/-0.377 χ²/NDF: 3864970.1/21
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1571.248+/-0.340 χ²/NDF: 5585882.1/27
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1603.139+/-0.252 χ²/NDF: 9470460.9/49
In: 972.417+/-0.136 χ²/NDF:8484369.4/44
Out: 965.224+/-0.131 χ²/NDF:11603647.4/52
All: 968.692+/-0.095 χ²/NDF: 20089459.8/97



Right In: 843.512+/-502.292 χ^2/NDF: 16.6/21

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

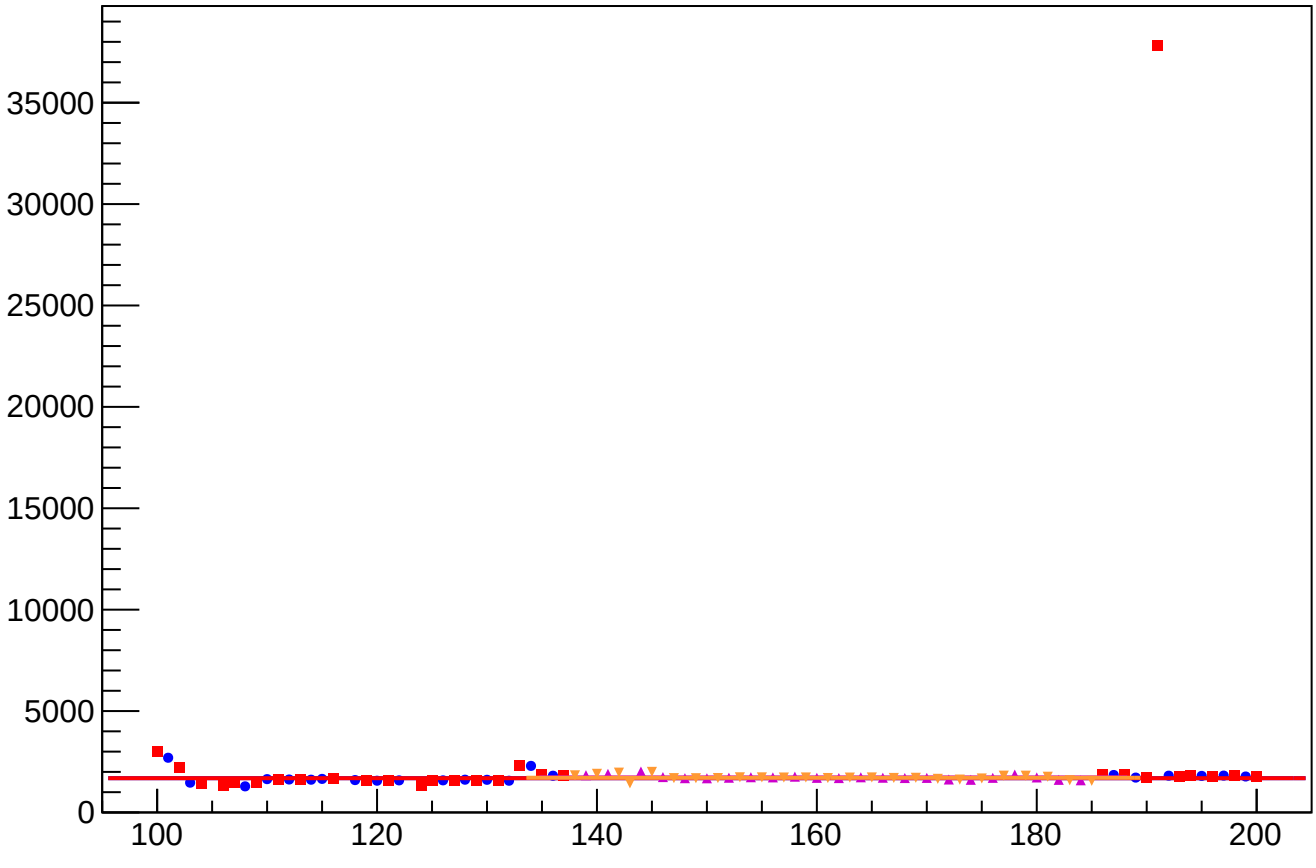
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 159.134+/-342.428 χ^2/NDF: 50.0/49

In: 444.248+/-314.852 χ^2/NDF:32.1/44

Out: 164.487+/-299.515 χ^2/NDF:64.6/52

All: 297.388+/-217.009 χ^2/NDF: 97.1/97



Right In: 1689.818+/-0.355 χ^2/NDF: 406955.9/21

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

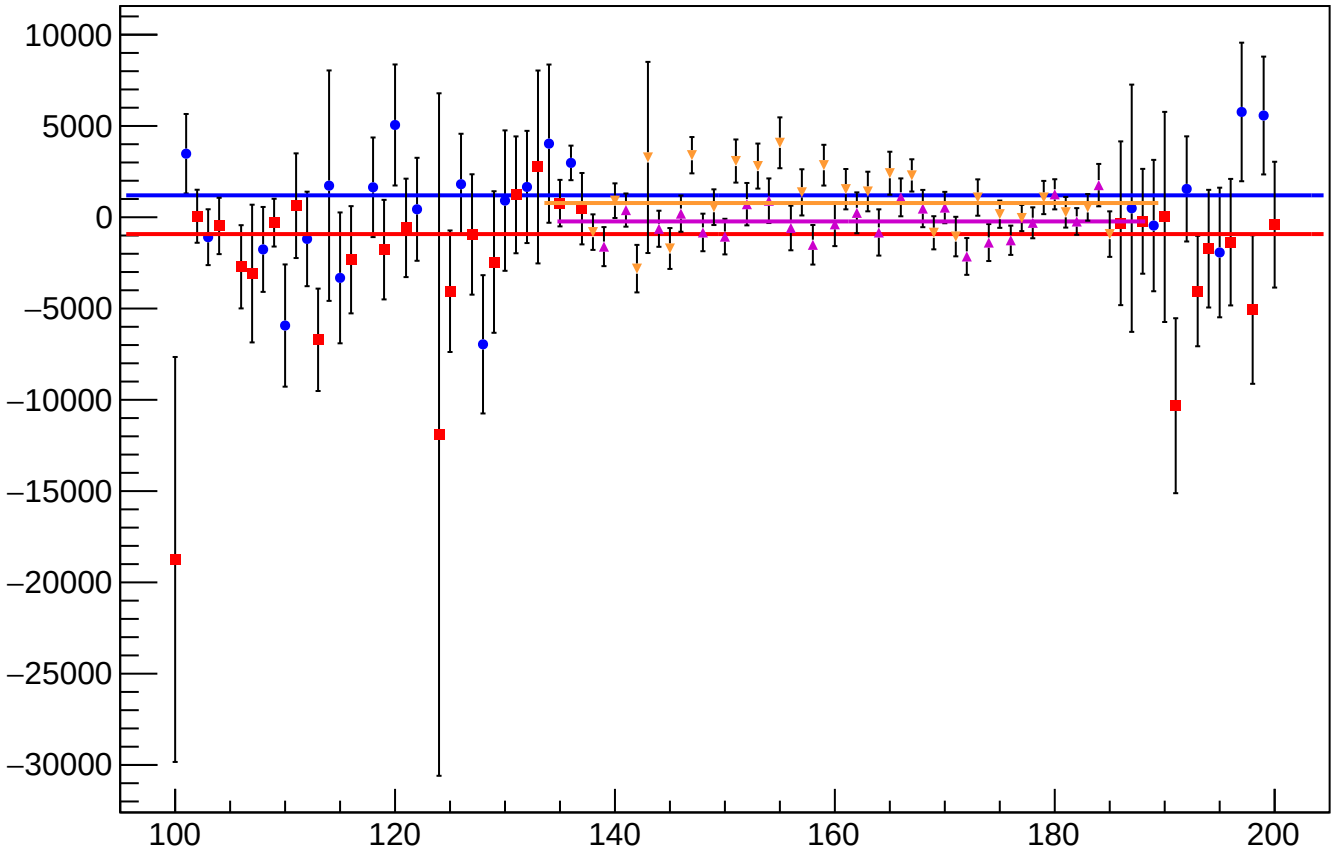
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1689.626+/-0.242 χ^2/NDF: 933052.9/49

In: 1712.944+/-0.223 χ^2/NDF:514166.3/44

Out: 1702.599+/-0.212 χ^2/NDF:696771.0/52

All: 1707.514+/-0.153 χ^2/NDF: 1212070.8/97



Right In: 1200.245+/-532.624 χ^2/NDF: 26.4/21

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

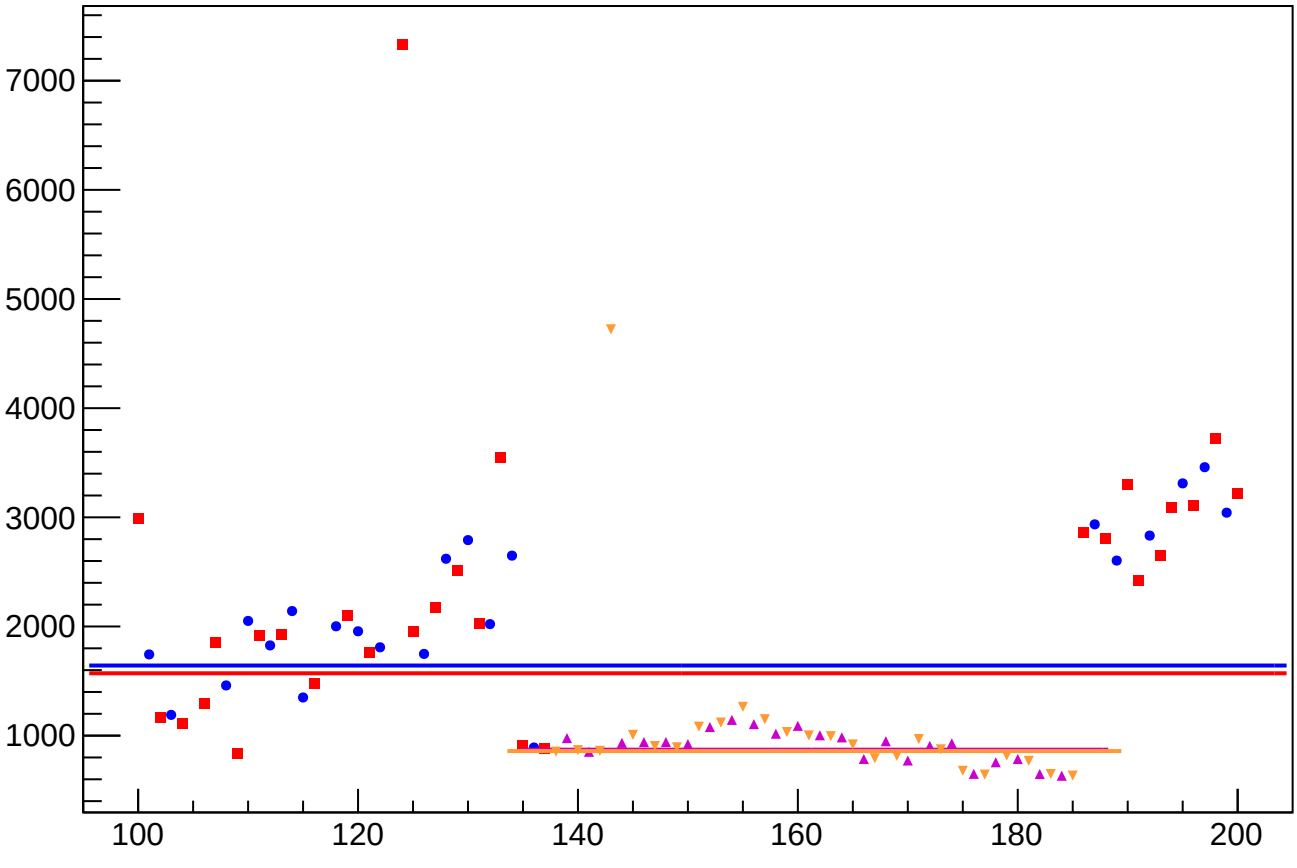
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 30.700+/-356.859 χ^2/NDF: 55.1/49

In: -41.811+/-192.701 χ^2/NDF:55.2/44

Out: 524.474+/-185.945 χ^2/NDF:85.1/52

All: 251.432+/-133.807 χ^2/NDF: 144.8/97



Right In: 1642.305+/-0.377 χ^2/NDF: 3864834.2/21

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

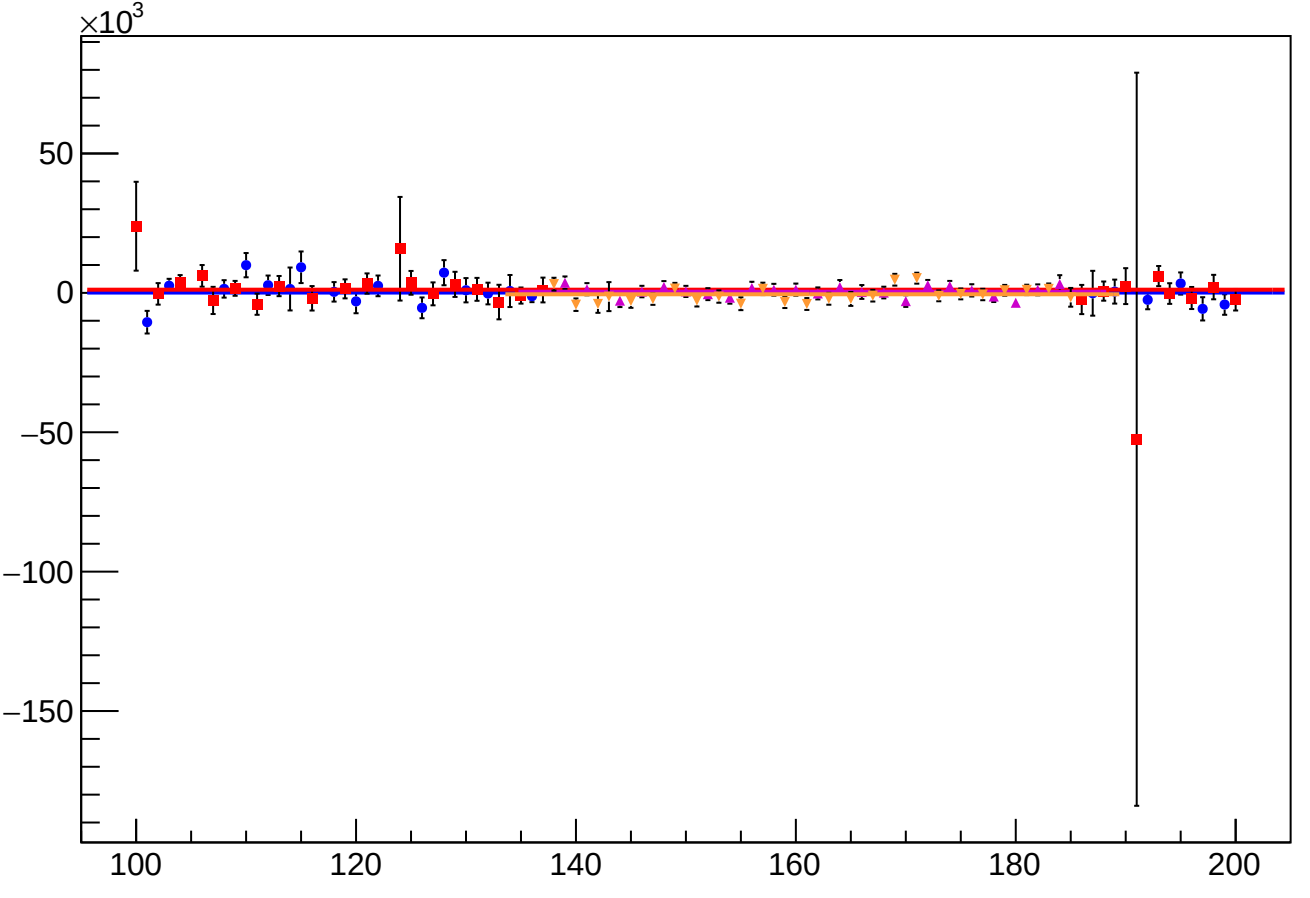
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1603.154+/-0.252 χ^2/NDF: 9470200.0/49

In: 972.417+/-0.136 χ^2/NDF:8484360.5/44

Out: 965.226+/-0.131 χ^2/NDF:11603621.8/52

All: 968.693+/-0.095 χ^2/NDF: 20089424.8/97



Right In: 112.803+/-800.591 χ^2/NDF: 26.9/21

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

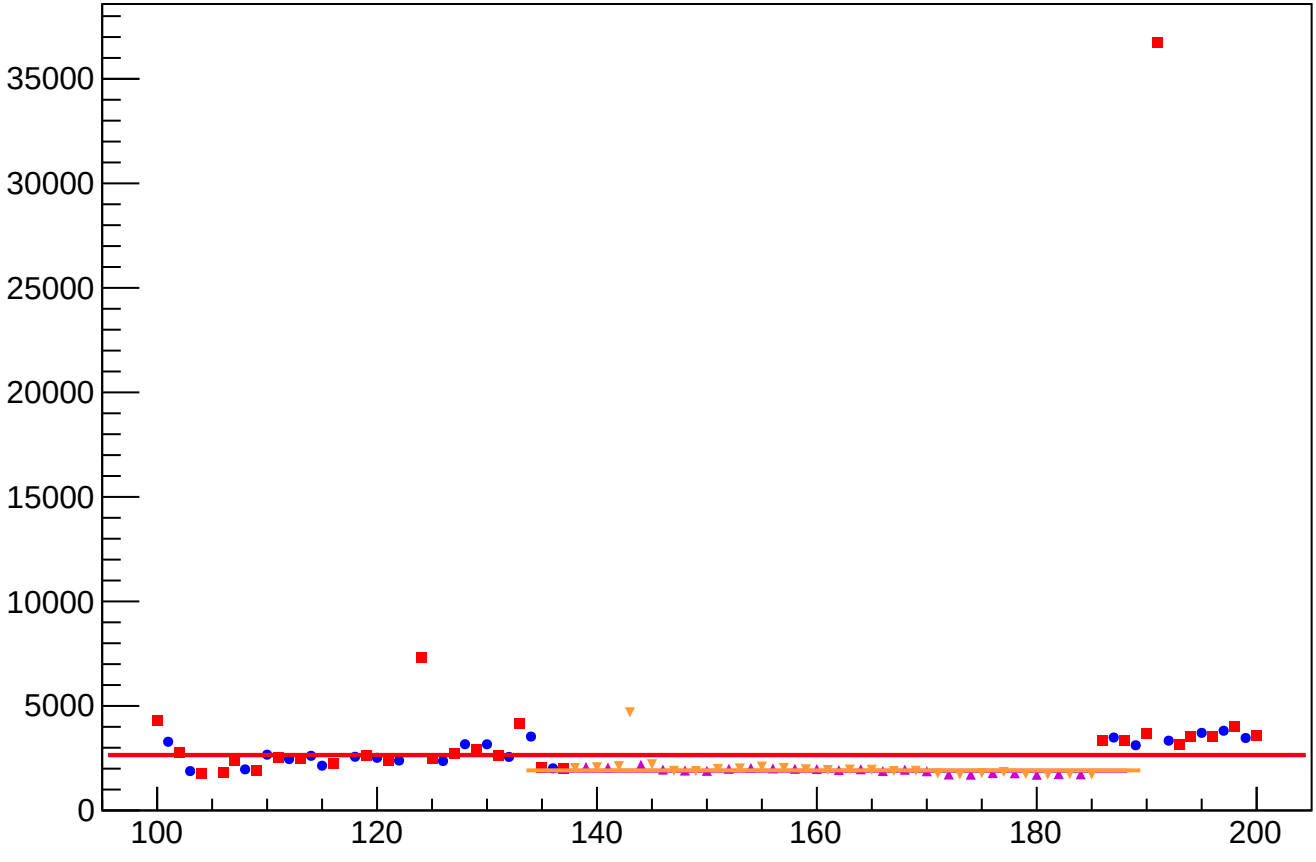
Right: 654.785+/-550.588 χ^2/NDF: 42.8/49

In: 340.966+/-388.668 χ^2/NDF:45.9/44

Out: -87.970+/-380.534 χ^2/NDF:54.4/52

All: 121.962+/-271.908 χ^2/NDF: 101.0/97

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2641.257+/-0.566 χ^2/NDF: 1189114.4/21

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

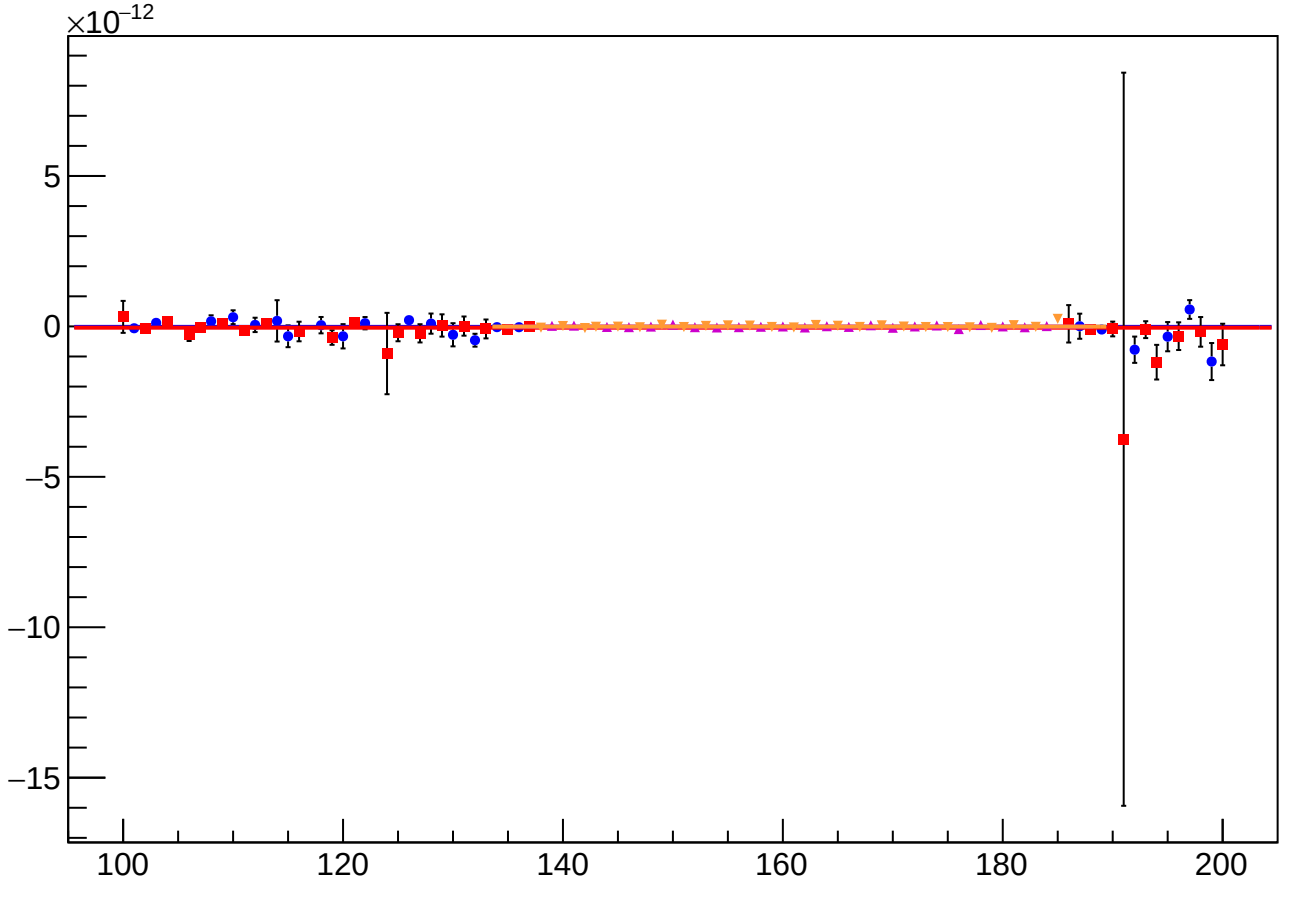
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2650.670+/-0.389 χ^2/NDF: 3030228.7/49

In: 2074.128+/-0.275 χ^2/NDF:2675604.1/44

Out: 2103.948+/-0.269 χ^2/NDF:4029245.2/52

All: 2089.353+/-0.192 χ^2/NDF: 6710860.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/21

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

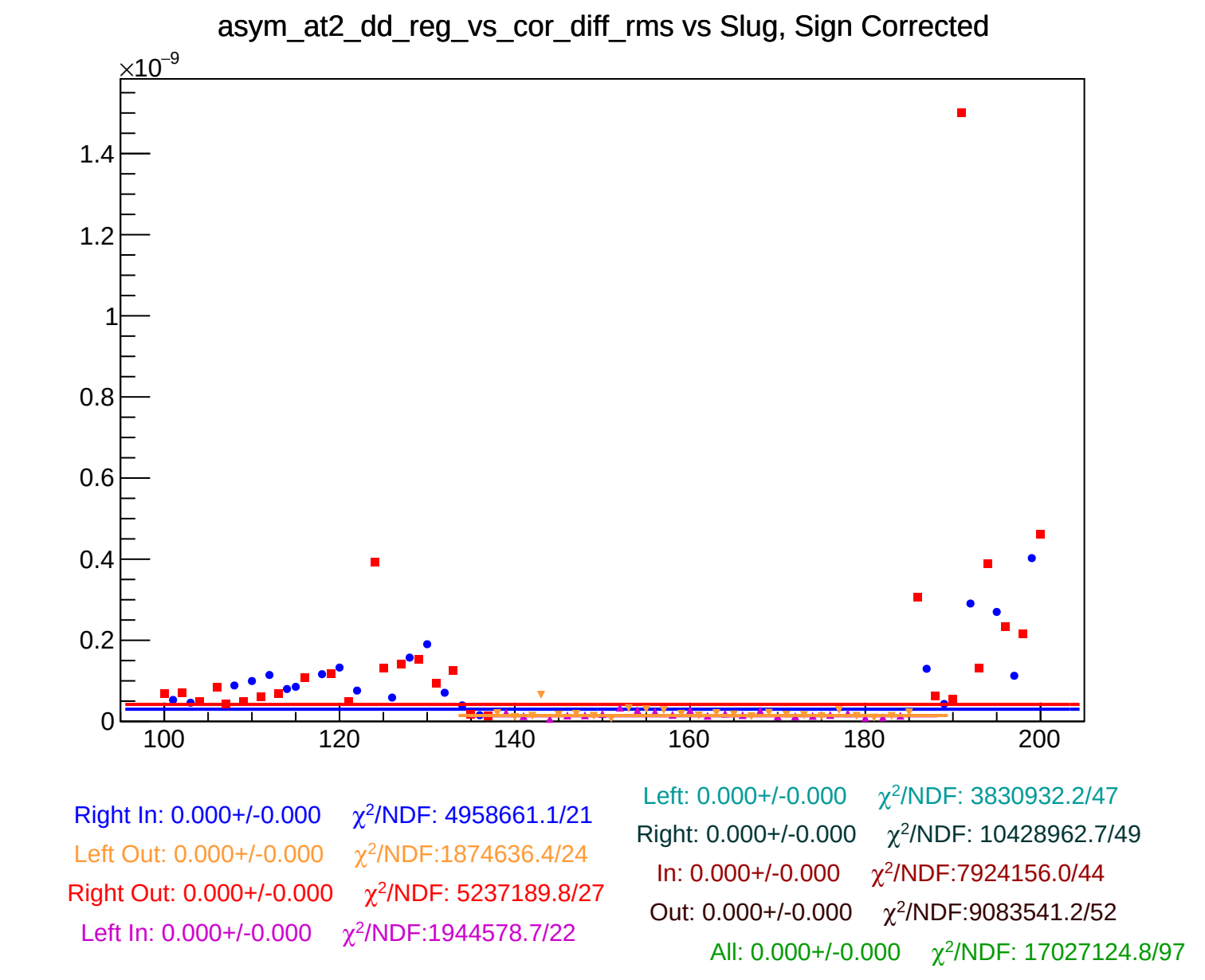
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

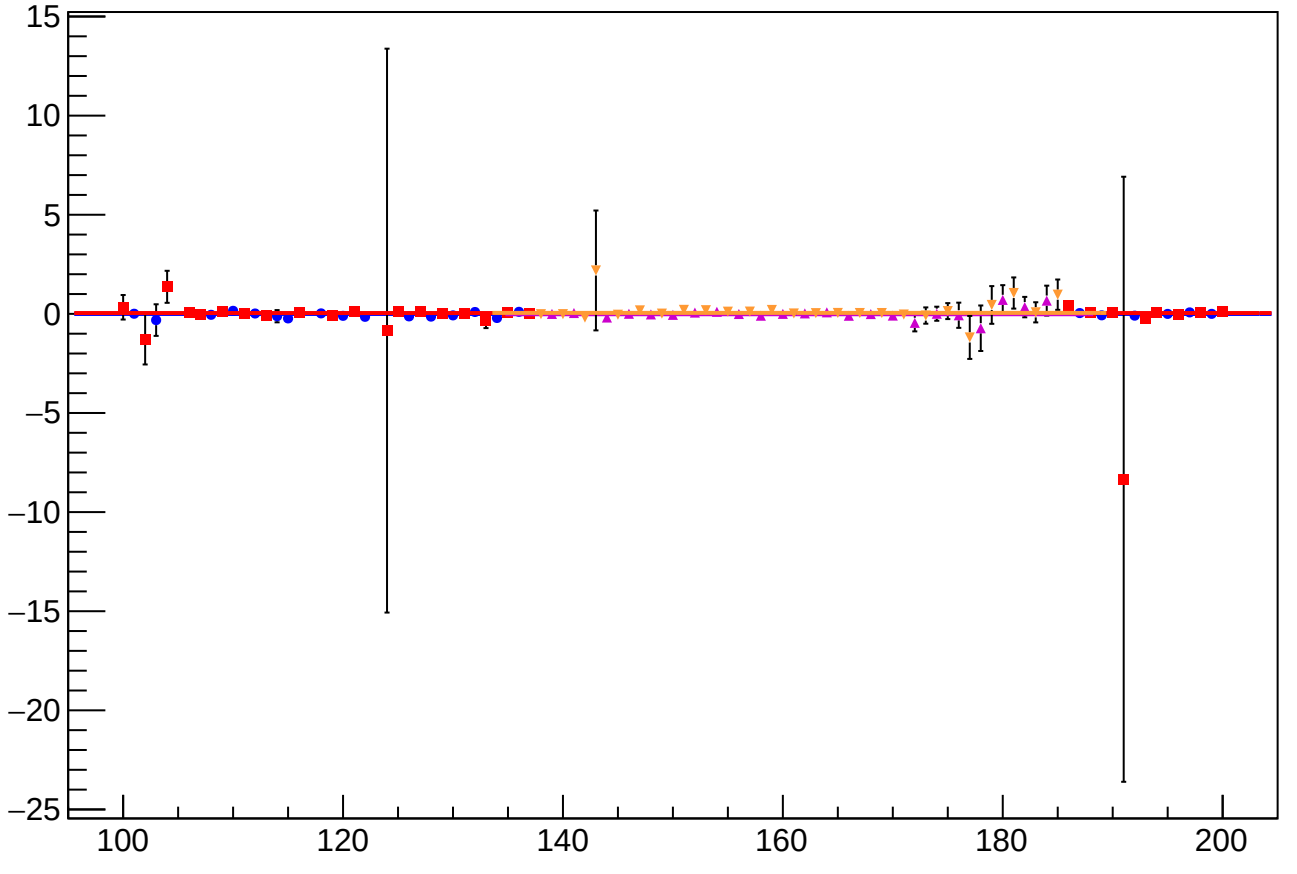
Right: -0.000+/-0.000 χ^2/NDF: 47.0/49

In: -0.000+/-0.000 χ^2/NDF:50.8/44

Out: -0.000+/-0.000 χ^2/NDF:51.1/52

All: -0.000+/-0.000 χ^2/NDF: 101.9/97


asym_at2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4958661.1/21
Left Out: 0.000+/-0.000 χ²/NDF:1874636.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5237189.8/27
Left In: 0.000+/-0.000 χ²/NDF:1944578.7/22
Left: 0.000+/-0.000 χ²/NDF: 3830932.2/47
Right: 0.000+/-0.000 χ²/NDF: 10428962.7/49
In: 0.000+/-0.000 χ²/NDF:7924156.0/44
Out: 0.000+/-0.000 χ²/NDF:9083541.2/52
All: 0.000+/-0.000 χ²/NDF: 17027124.8/97



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

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

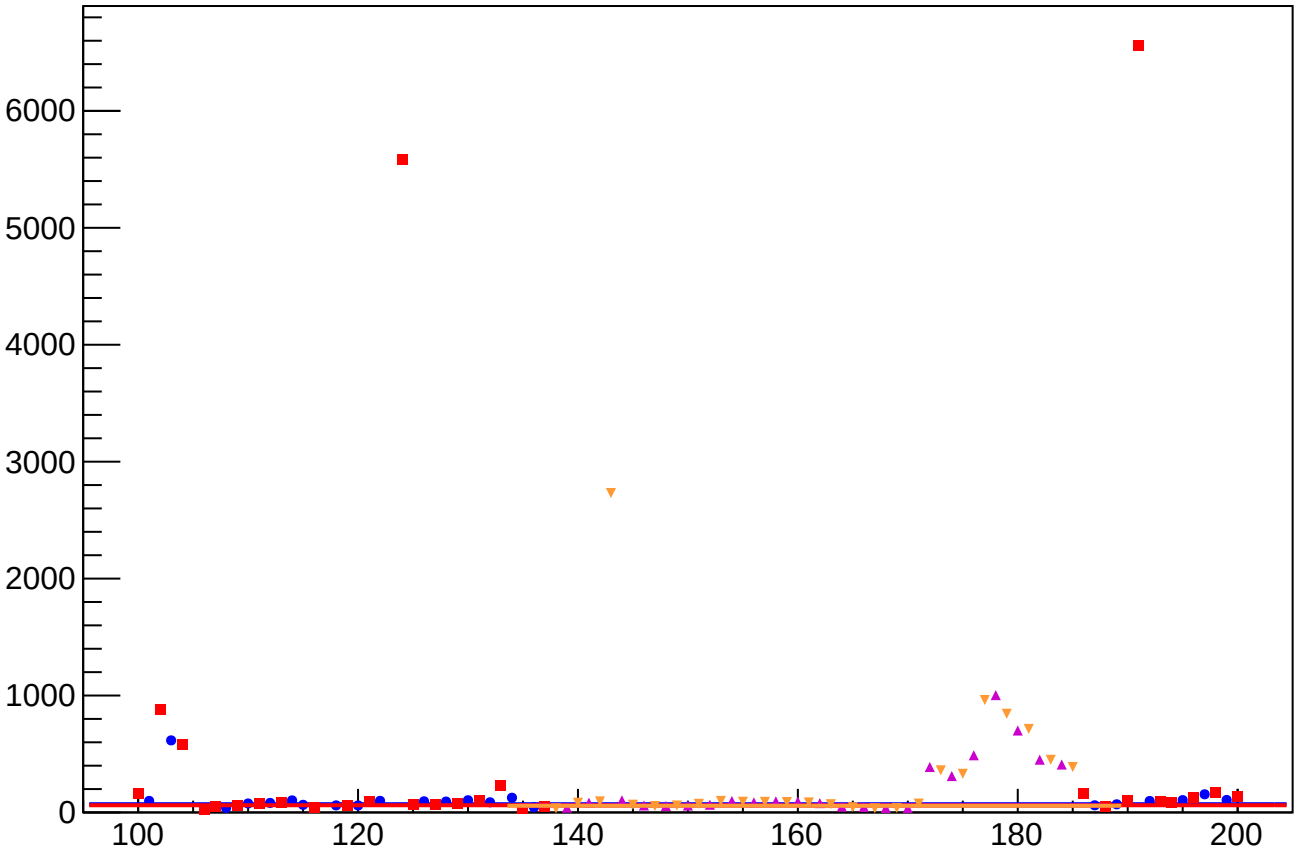
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.016 χ^2/NDF: 39.7/49

In: -0.014+/-0.014 χ^2/NDF:30.4/44

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 87.9/97



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

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

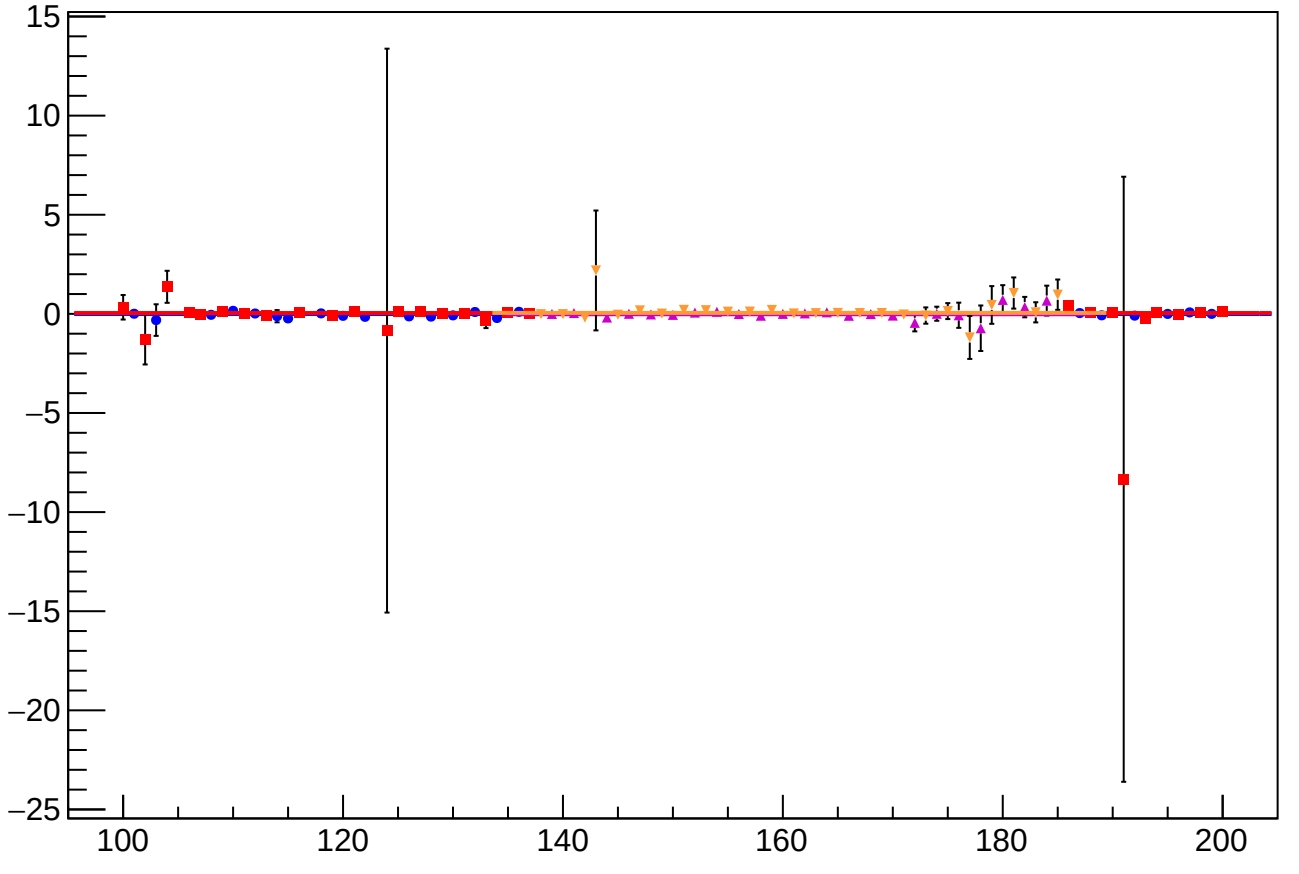
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 65.514+/-0.011 χ^2/NDF: 10460127.1/49

In: 62.682+/-0.010 χ^2/NDF:14118293.3/44

Out: 59.007+/-0.009 χ^2/NDF:19138847.8/52

All: 60.746+/-0.007 χ^2/NDF: 33330724.5/97



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

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

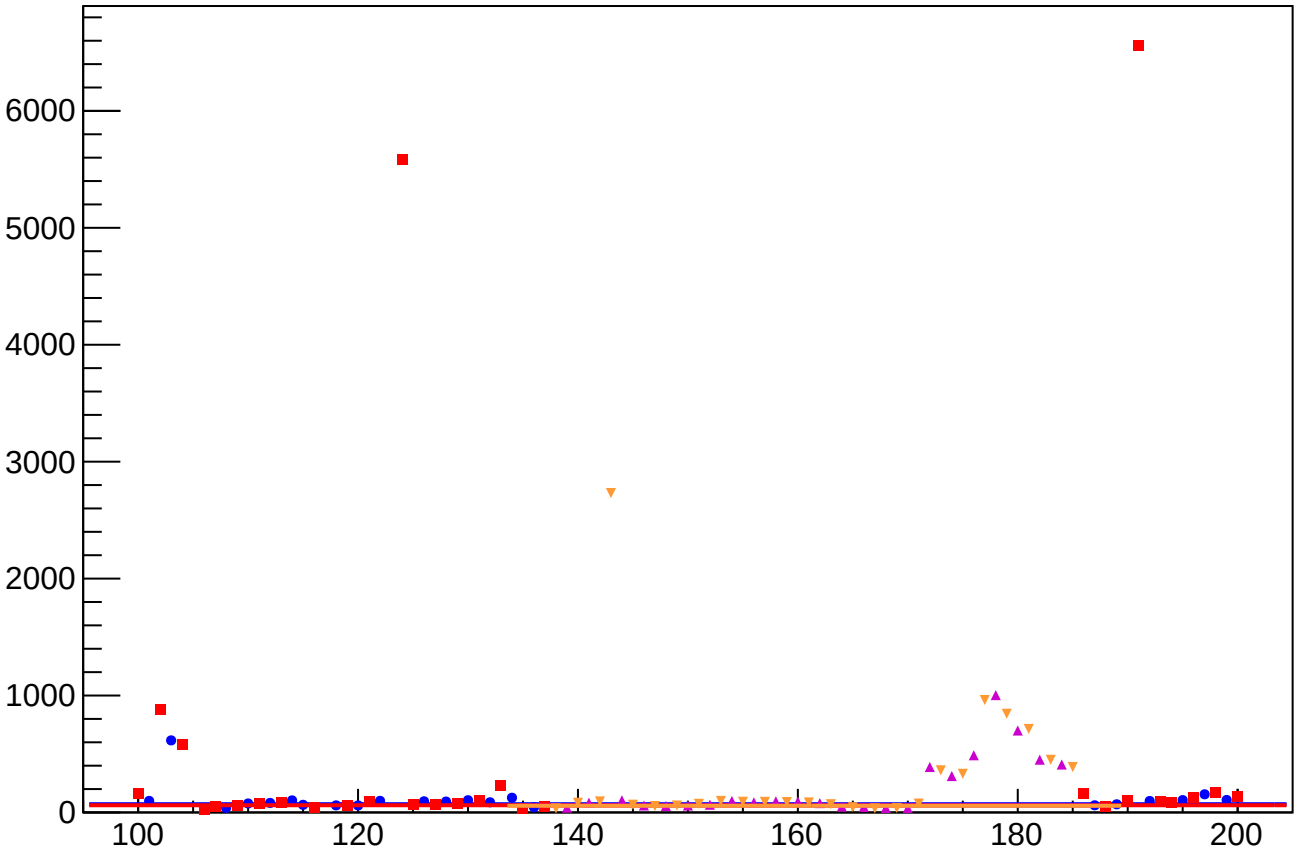
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.016 χ^2/NDF: 39.7/49

In: -0.014+/-0.014 χ^2/NDF:30.4/44

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 87.9/97



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

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

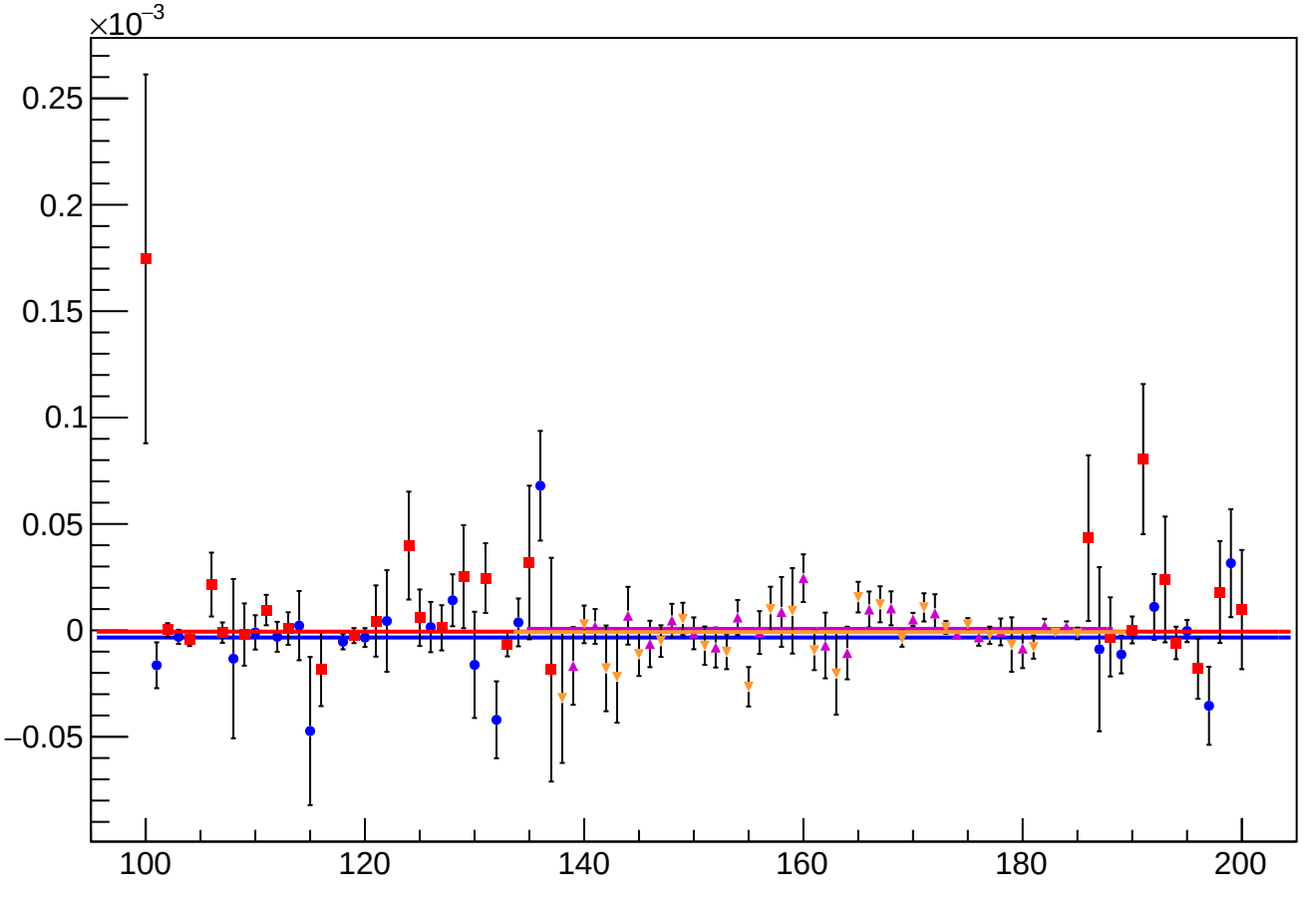
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 65.514+/-0.011 χ^2/NDF: 10460127.1/49

In: 62.682+/-0.010 χ^2/NDF:14118293.3/44

Out: 59.007+/-0.009 χ^2/NDF:19138847.8/52

All: 60.746+/-0.007 χ^2/NDF: 33330724.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

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

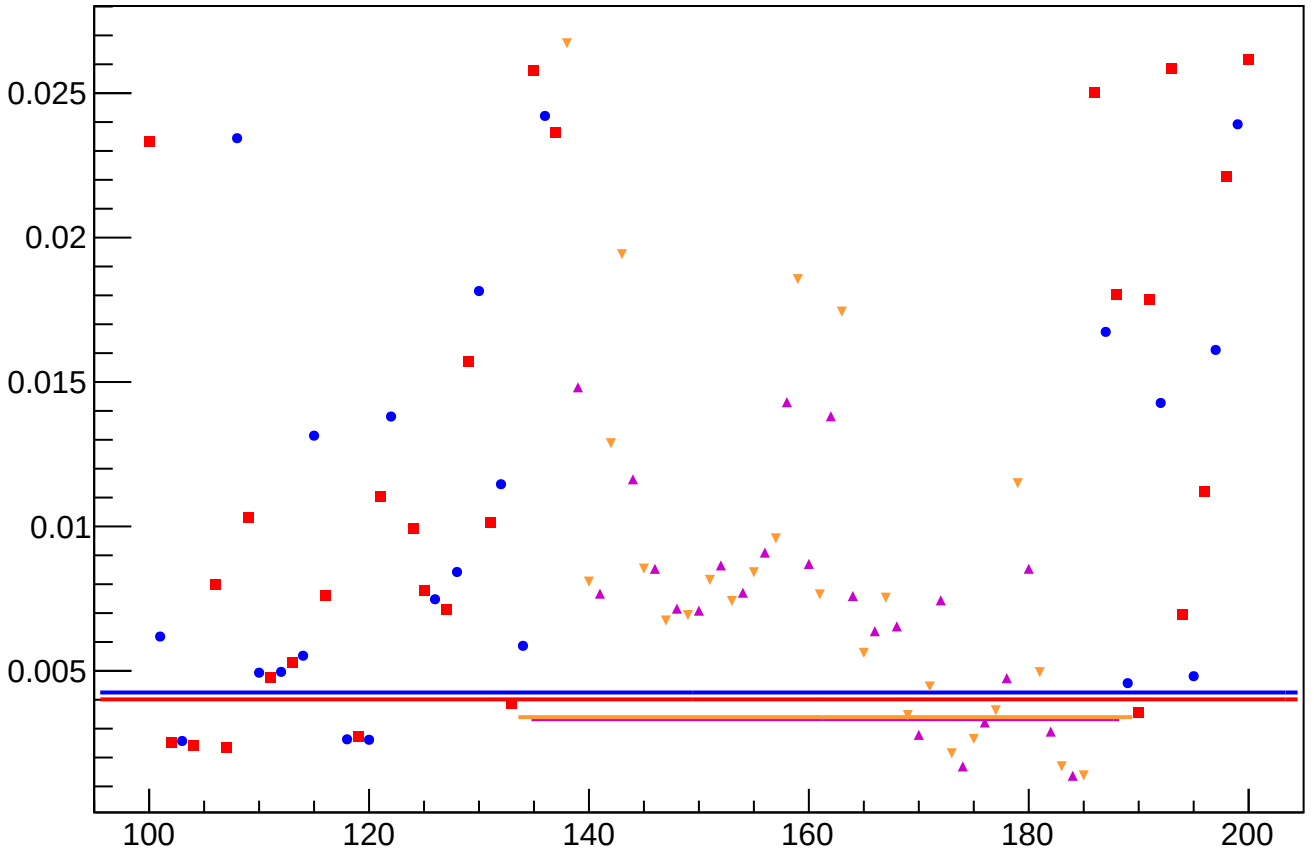
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.6/49

In: -0.000+/-0.000 χ^2/NDF:49.0/44

Out: -0.000+/-0.000 χ^2/NDF:62.0/52

All: -0.000+/-0.000 χ^2/NDF: 111.0/97



Right In: 0.004+/-0.000 χ^2/NDF: 7970188.2/21

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

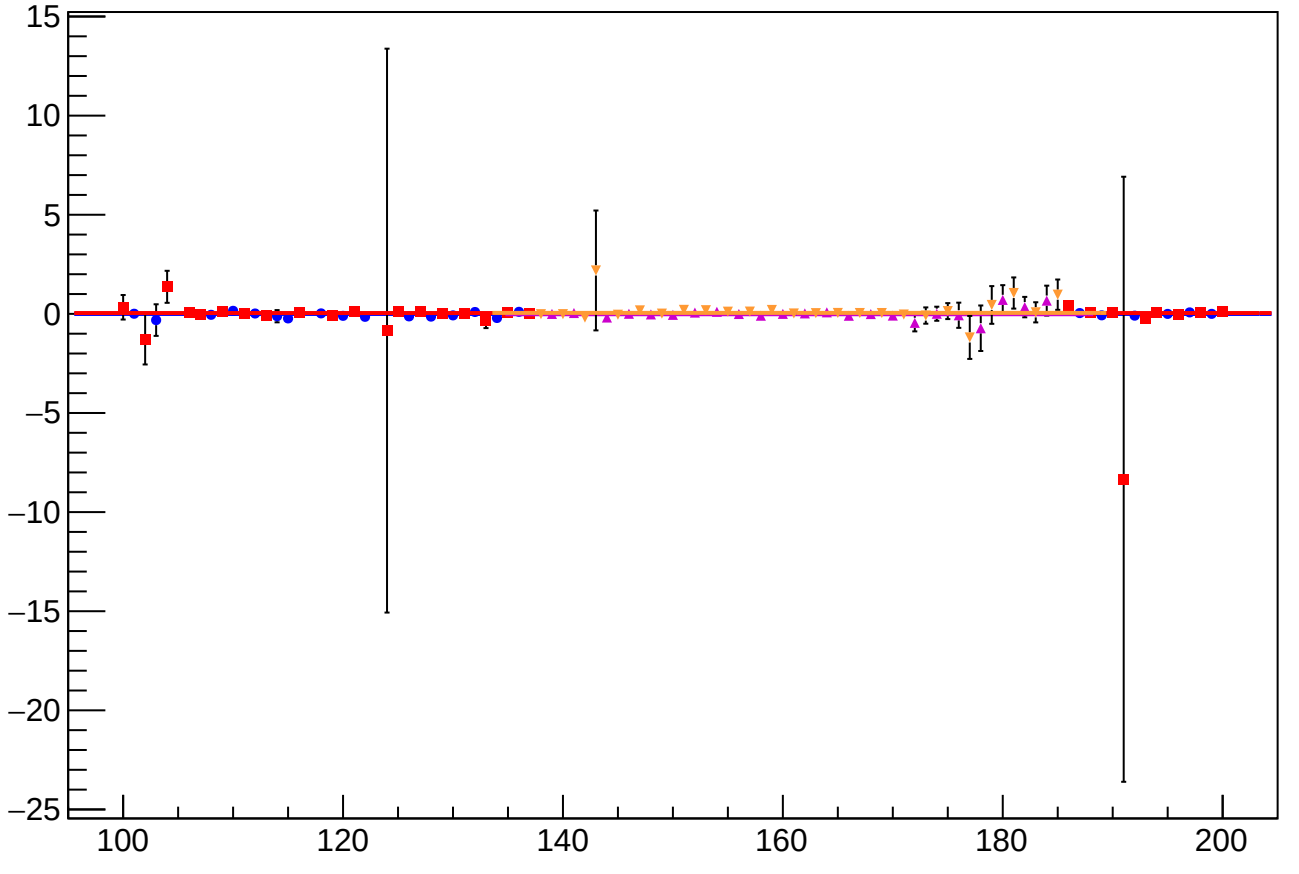
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 19066192.3/49

In: 0.004+/-0.000 χ^2/NDF:20976312.4/44

Out: 0.004+/-0.000 χ^2/NDF:25561909.2/52

All: 0.004+/-0.000 χ^2/NDF: 46538511.3/97



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

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

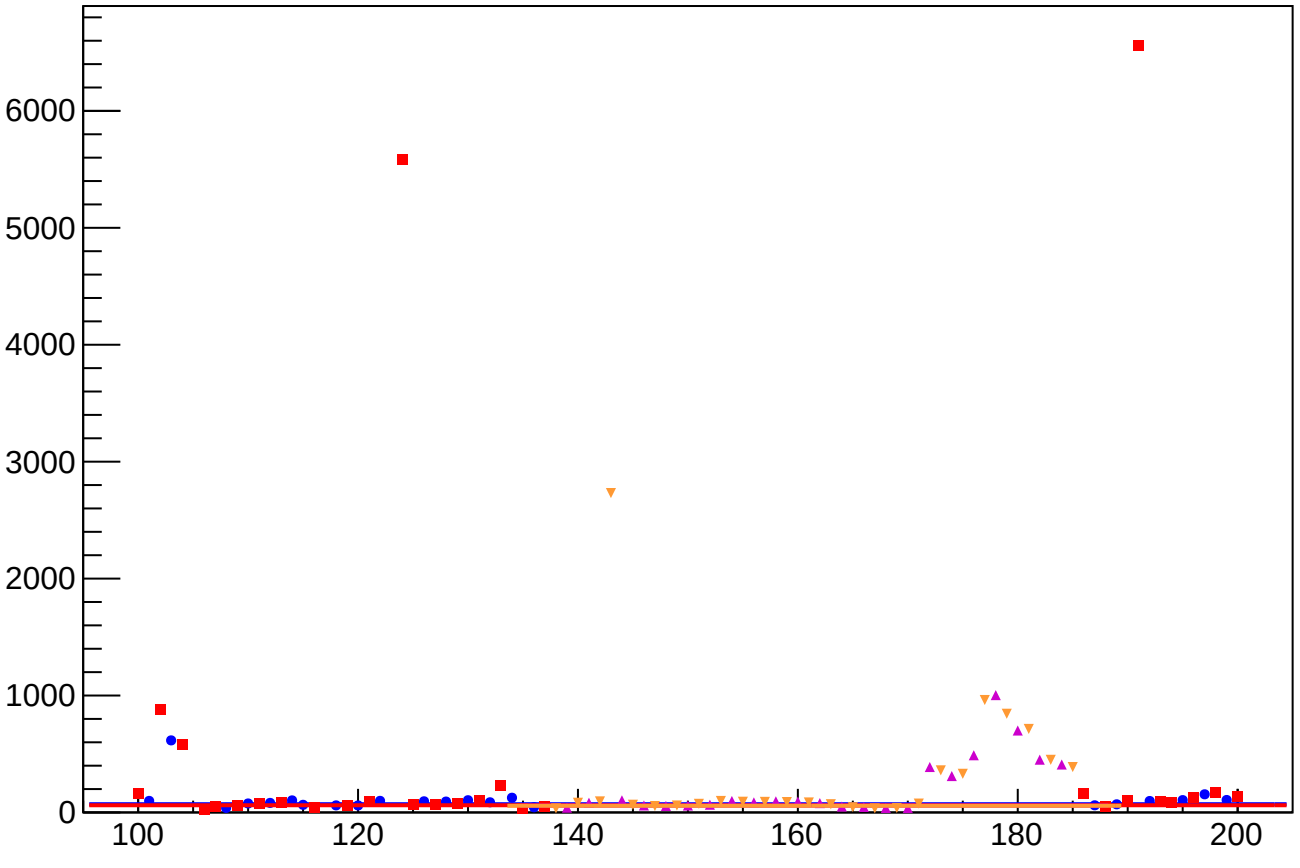
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.016 χ^2/NDF: 39.7/49

In: -0.014+/-0.014 χ^2/NDF:30.5/44

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 87.9/97



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

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

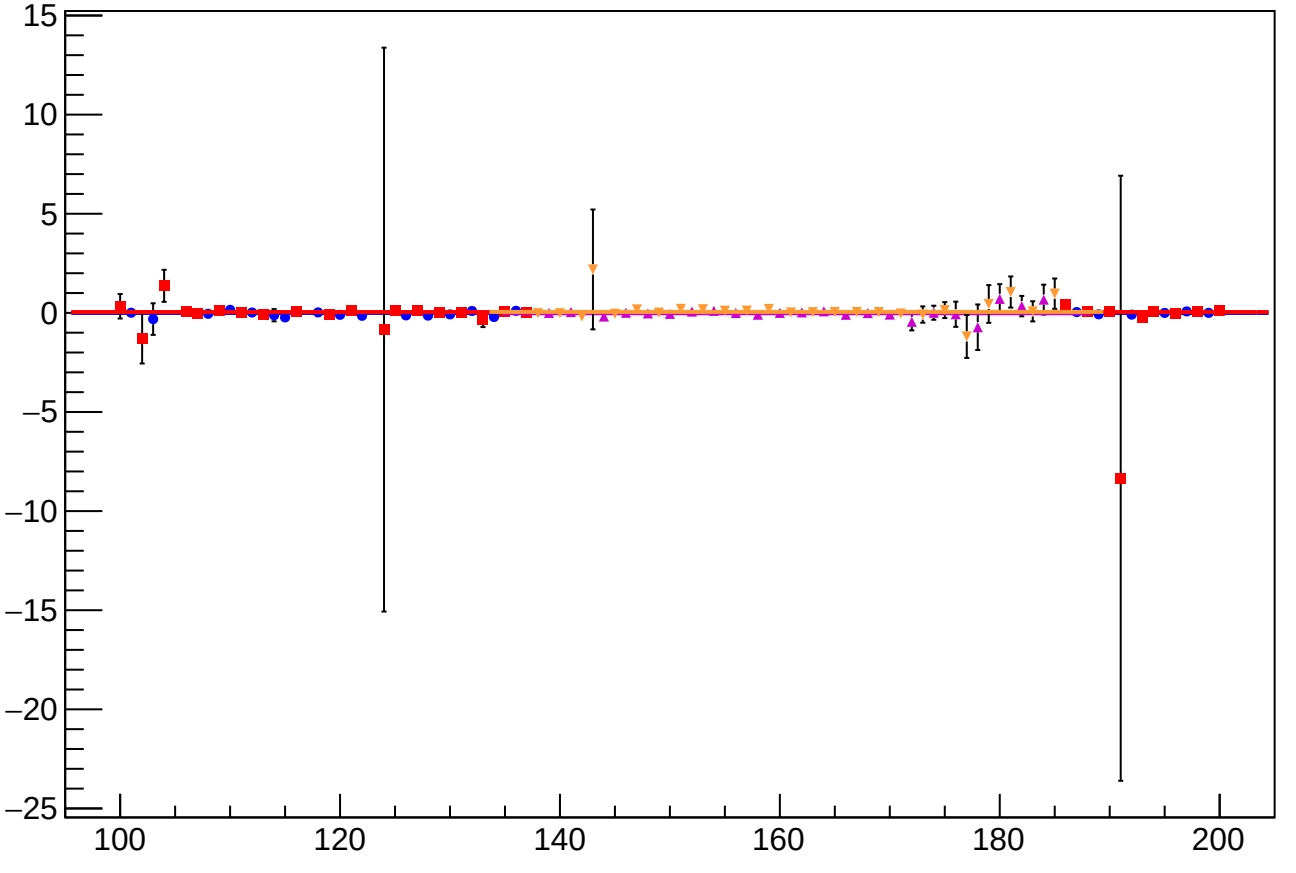
Right: 65.514+/-0.011 χ^2/NDF: 10460294.3/49

In: 62.686+/-0.010 χ^2/NDF:14116762.8/44

Out: 59.005+/-0.009 χ^2/NDF:19139500.9/52

All: 60.746+/-0.007 χ^2/NDF: 33330108.8/97

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

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

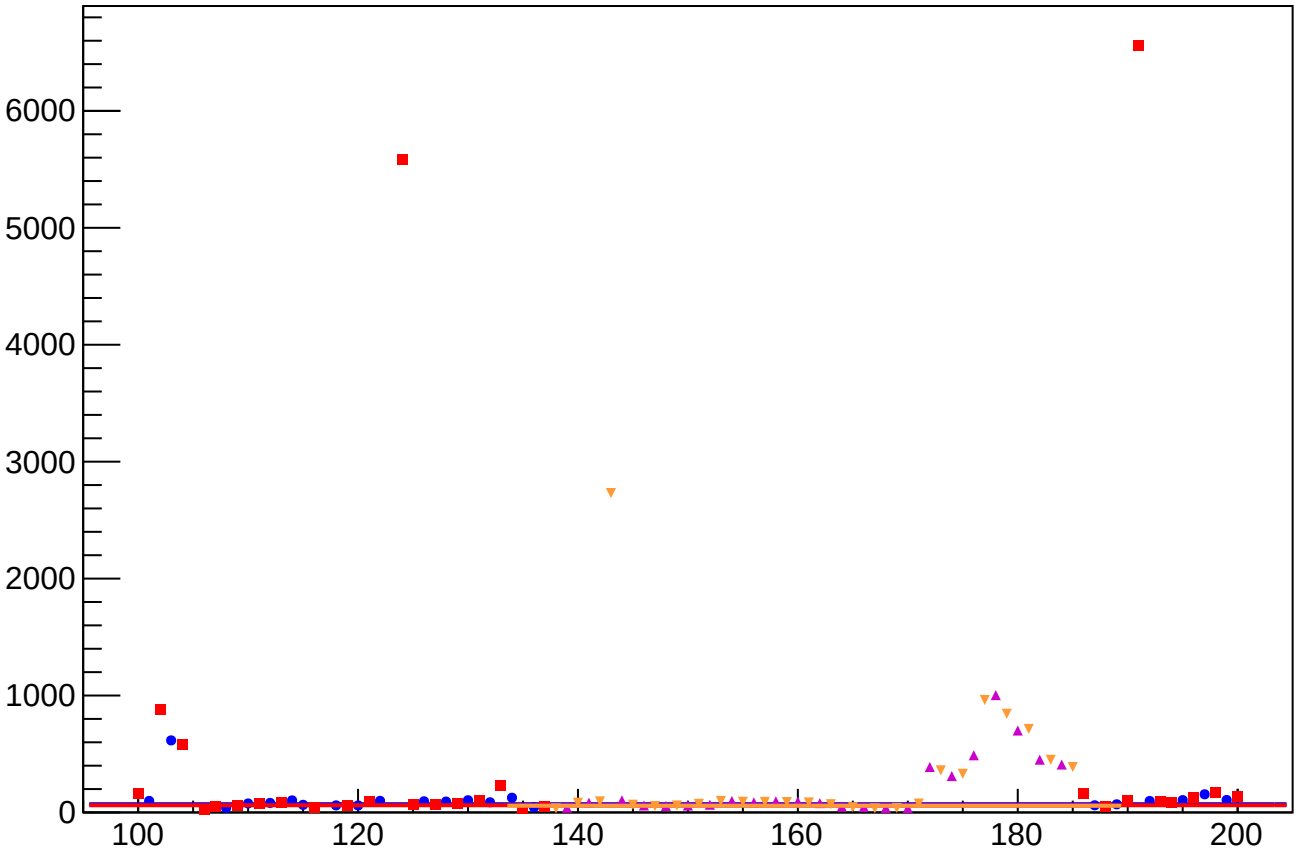
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.016 χ^2/NDF: 39.7/49

In: -0.014+/-0.014 χ^2/NDF:30.5/44

Out: 0.047+/-0.013 χ^2/NDF:47.4/52

All: 0.018+/-0.010 χ^2/NDF: 87.9/97



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

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

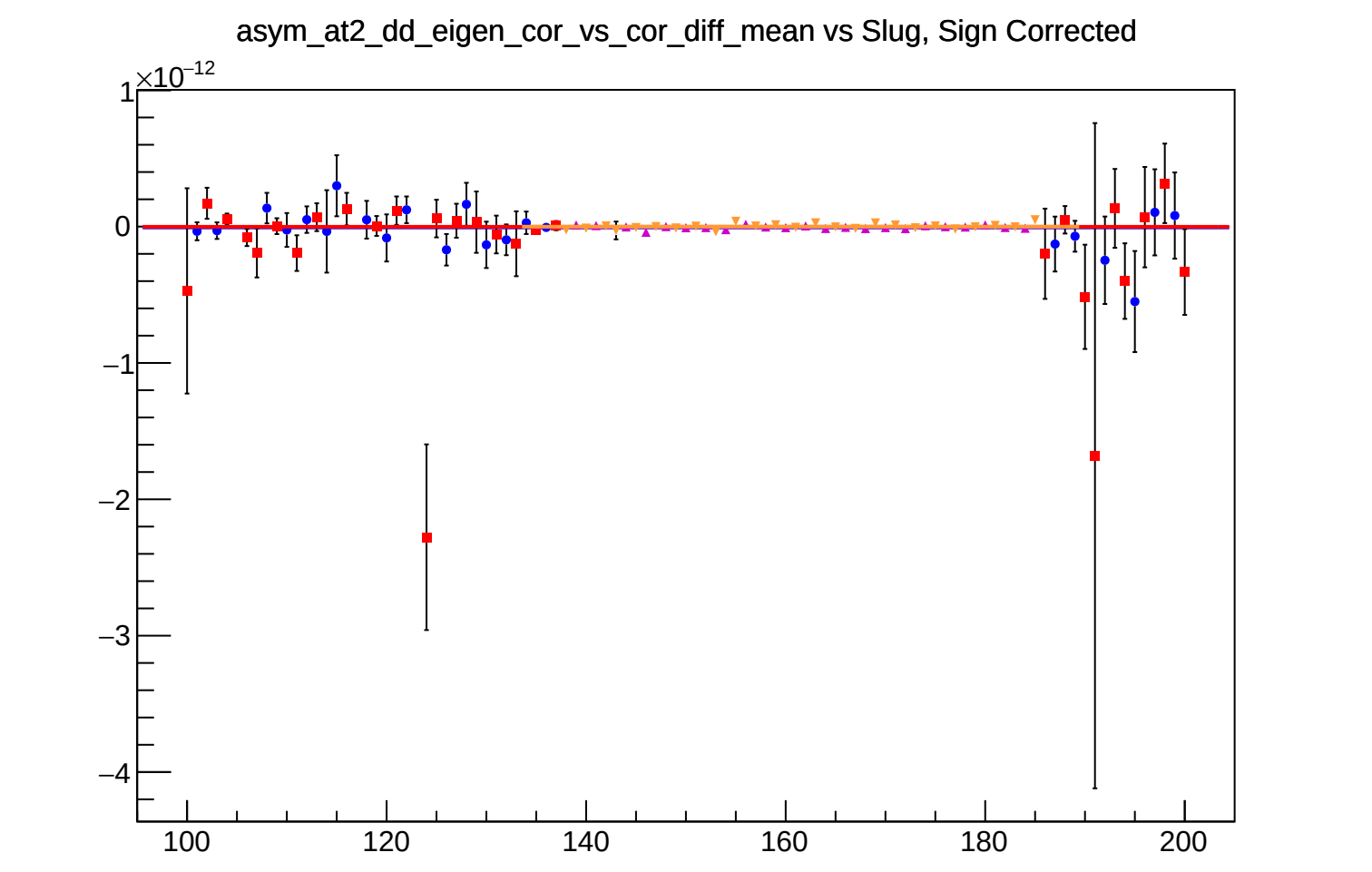
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 65.514+/-0.011 χ^2/NDF: 10460294.3/49

In: 62.686+/-0.010 χ^2/NDF:14116762.8/44

Out: 59.005+/-0.009 χ^2/NDF:19139500.9/52

All: 60.746+/-0.007 χ^2/NDF: 33330108.8/97



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/21

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

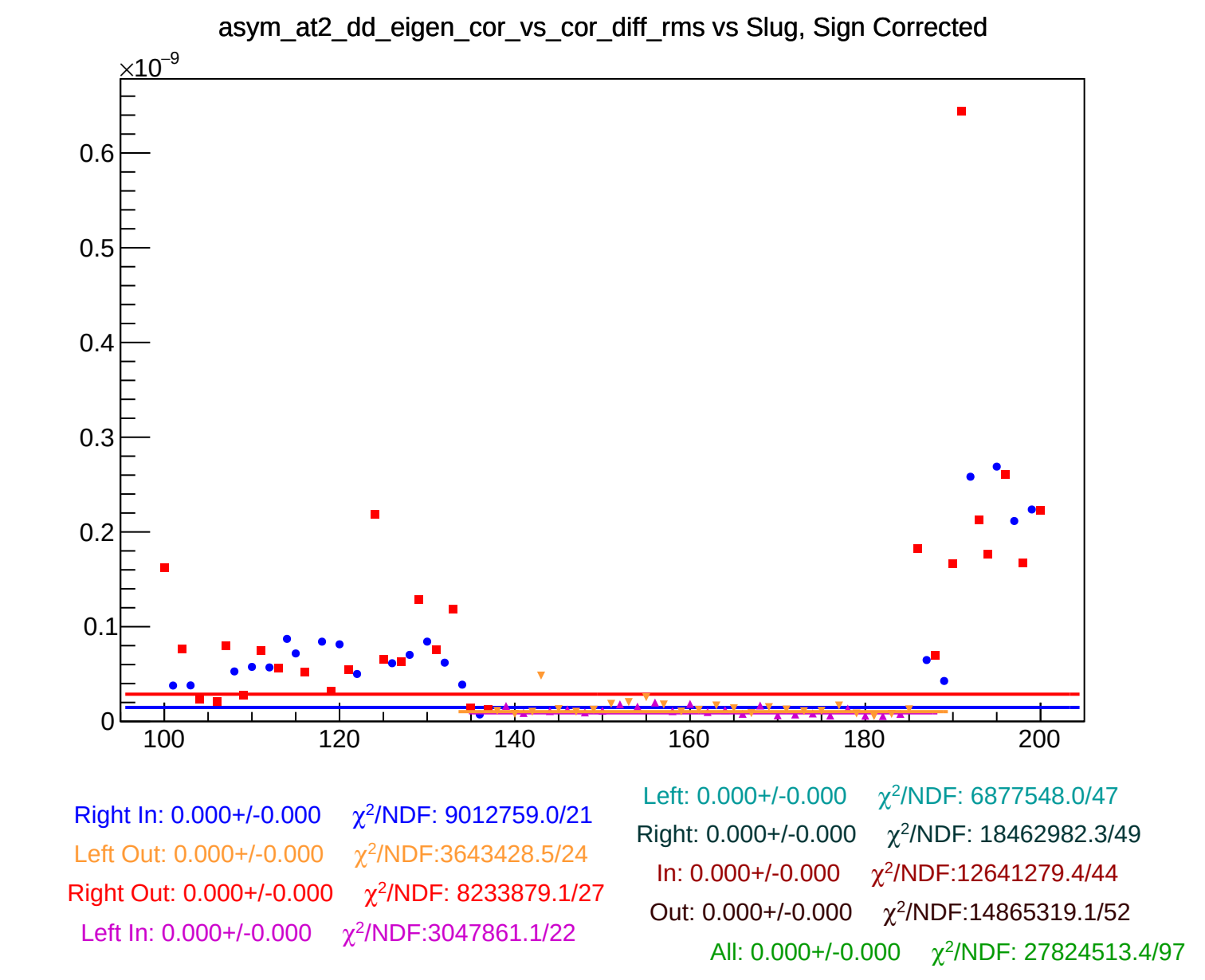
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/49

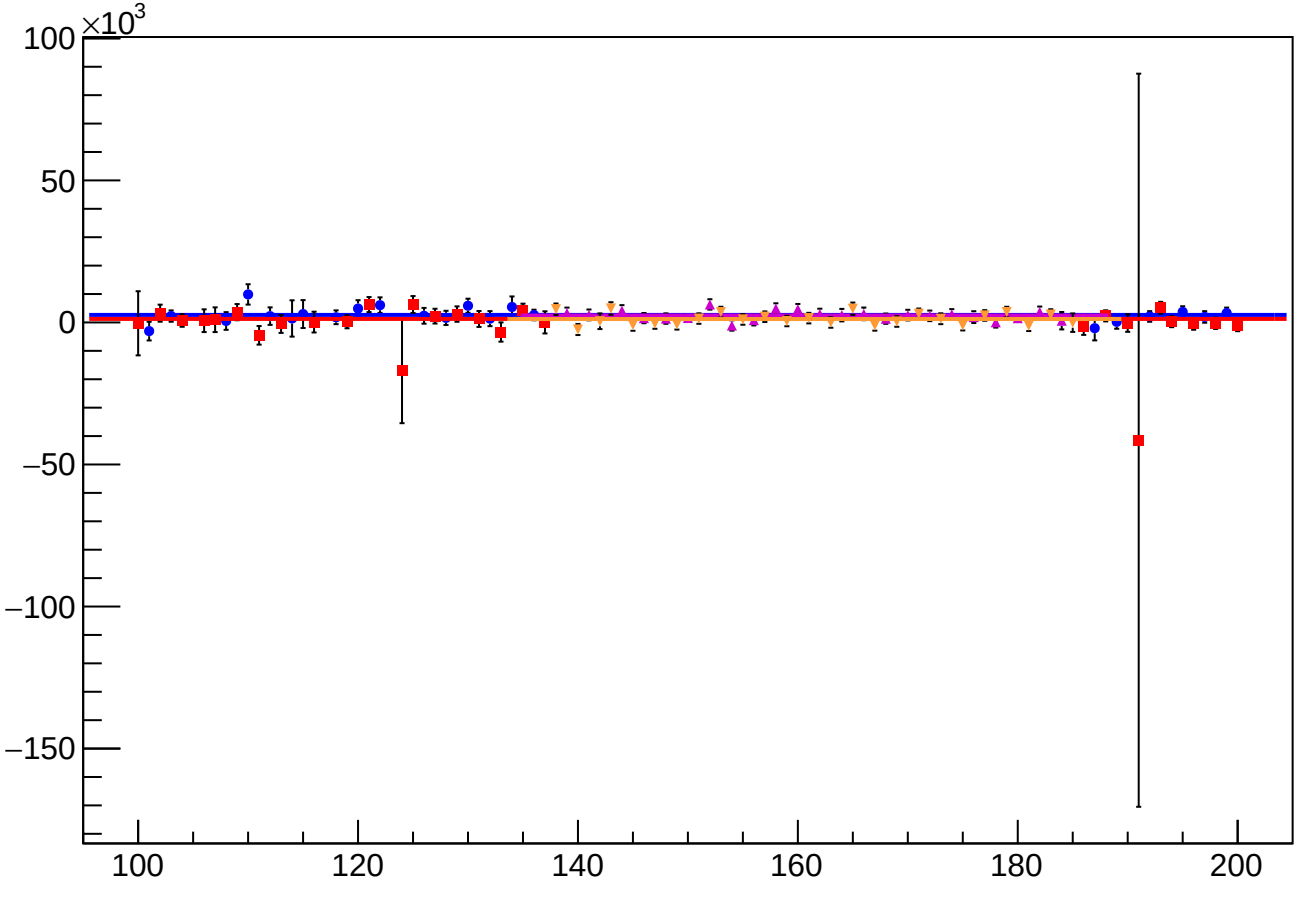
In: -0.000+/-0.000 χ^2/NDF:29.9/44

Out: -0.000+/-0.000 χ^2/NDF:51.4/52

All: -0.000+/-0.000 χ^2/NDF: 81.8/97


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: 9012759.0/21
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: 18462982.3/49
In: 0.000+/-0.000 χ²/NDF:12641279.4/44
Out: 0.000+/-0.000 χ²/NDF:14865319.1/52
All: 0.000+/-0.000 χ²/NDF: 27824513.4/97

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2648.053+/-547.072 χ^2/NDF: 15.4/21

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

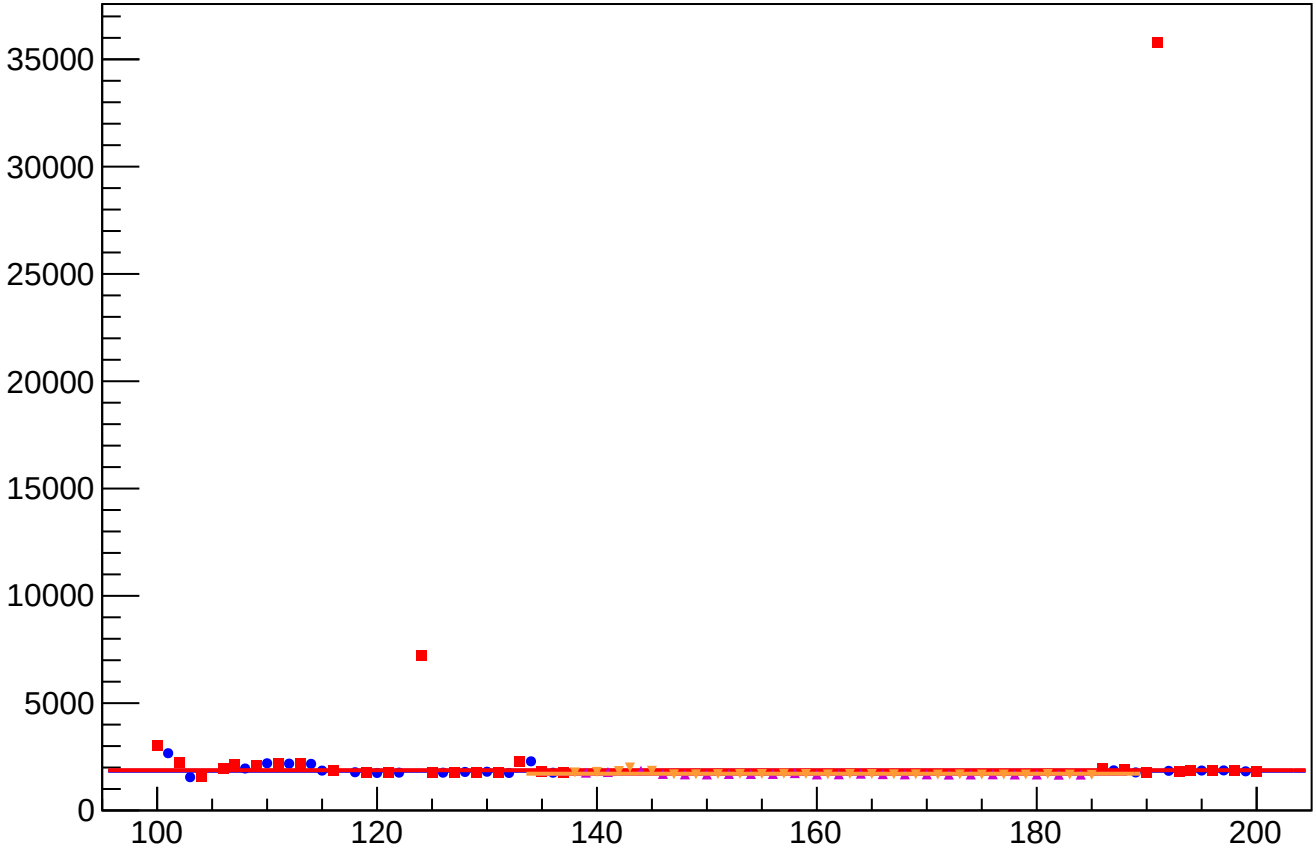
Right: 1904.430+/-376.173 χ^2/NDF: 43.0/49

In: 2511.349+/-321.824 χ^2/NDF:33.0/44

Out: 1215.066+/-311.145 χ^2/NDF:50.5/52

All: 1841.343+/-223.693 χ^2/NDF: 91.8/97

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.5/21

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

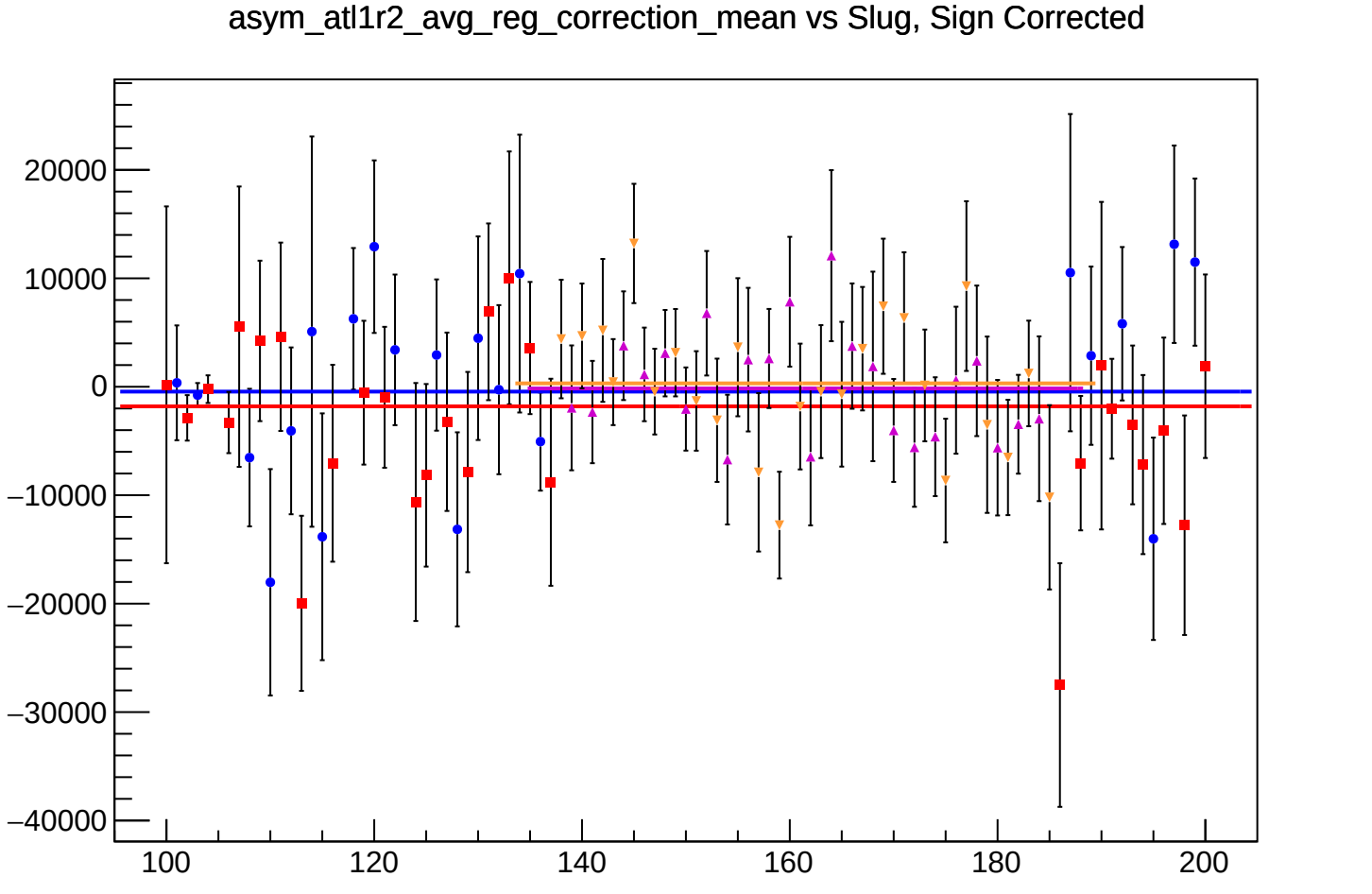
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1862.899+/-0.266 χ^2/NDF: 786633.8/49

In: 1754.027+/-0.228 χ^2/NDF:379998.2/44

Out: 1770.984+/-0.220 χ^2/NDF:706297.8/52

All: 1762.796+/-0.158 χ^2/NDF: 1089167.2/97



Right In: -445.293+/-929.145 χ^2/NDF: 22.3/21

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1806.516+/-861.261 χ^2/NDF: 22.2/27

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

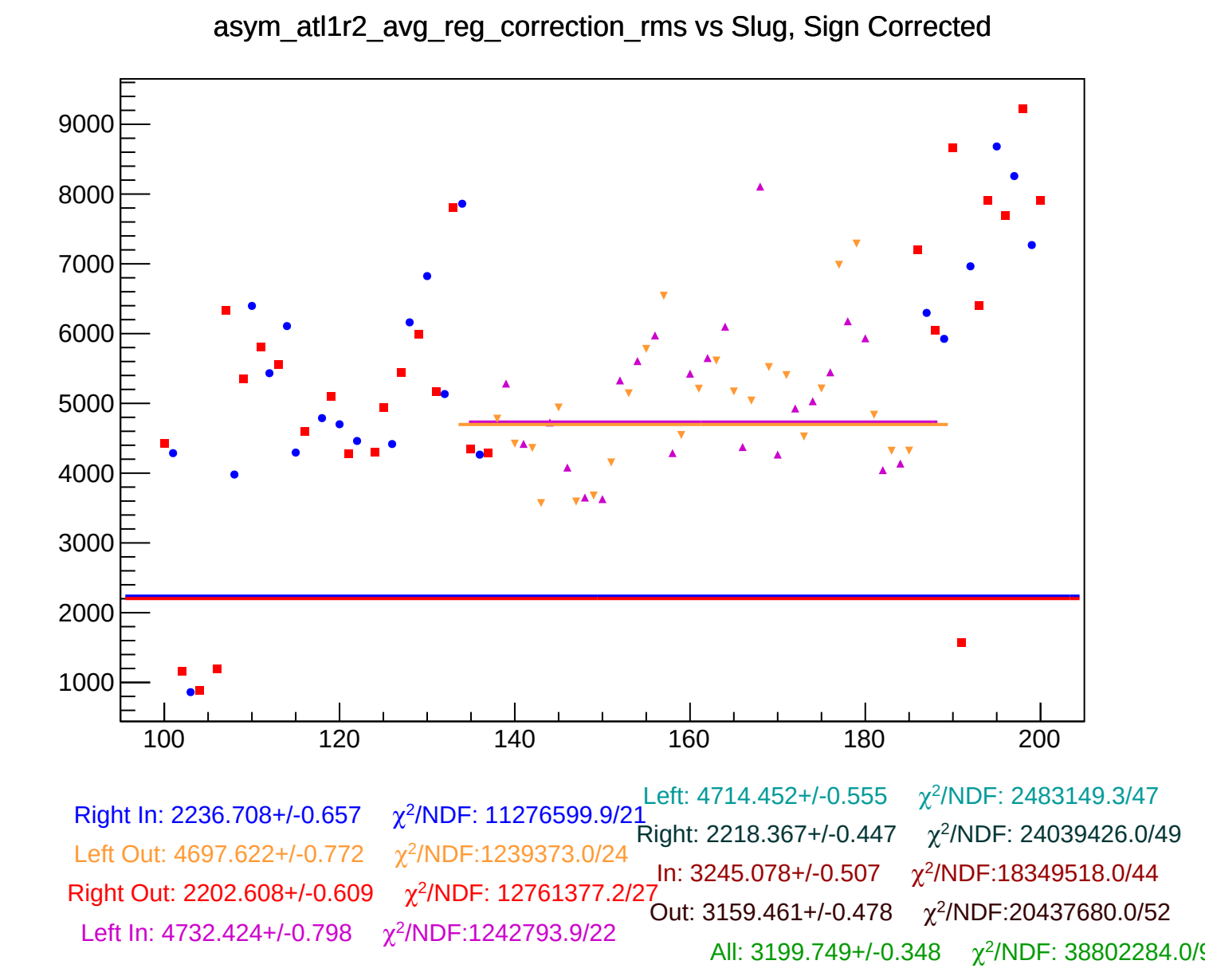
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

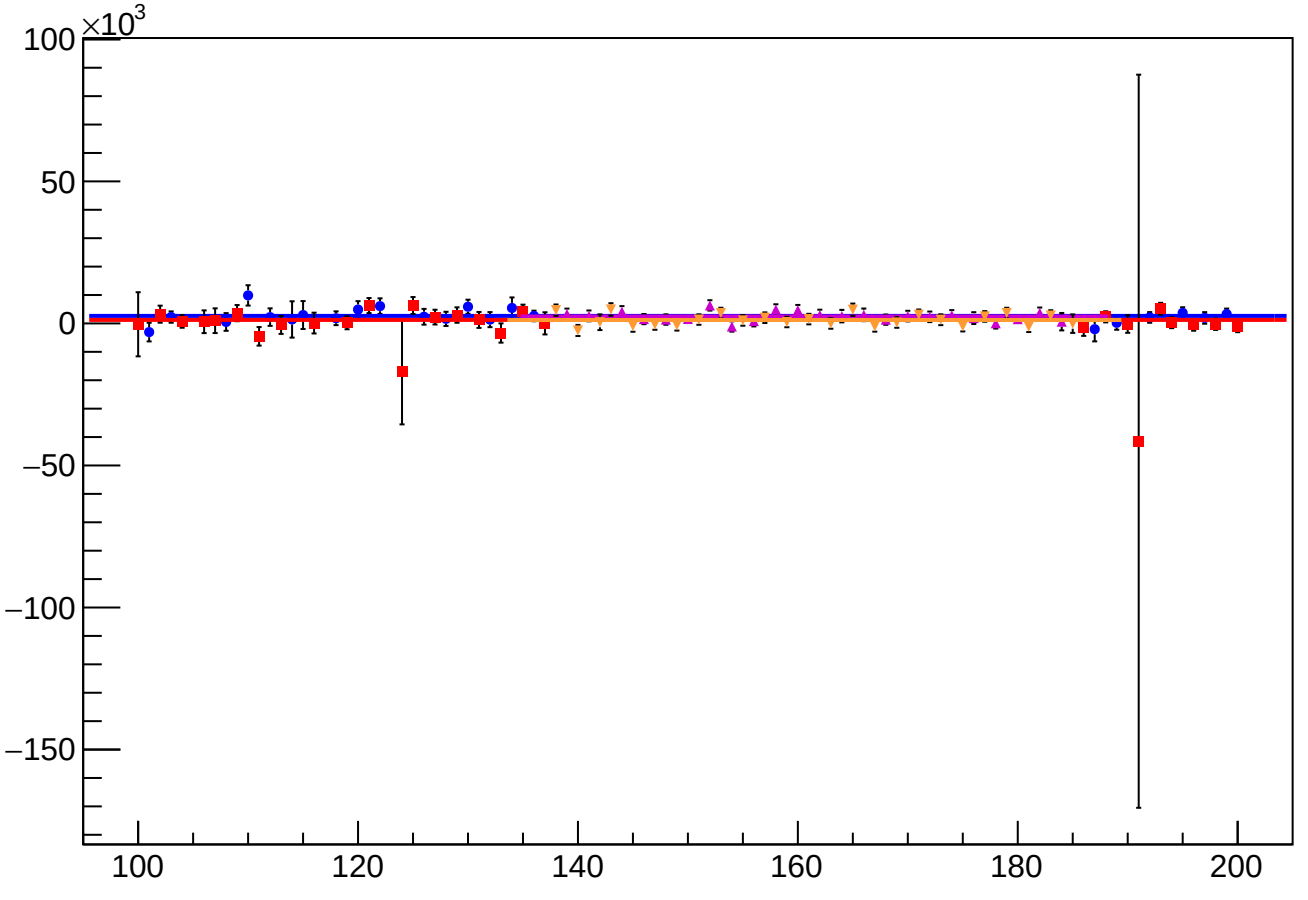
Right: -1177.442+/-631.640 χ^2/NDF: 45.6/49

In: -329.202+/-717.286 χ^2/NDF:37.0/44

Out: -993.266+/-676.238 χ^2/NDF:51.5/52

All: -680.778+/-492.044 χ^2/NDF: 89.0/97


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: 2236.708+/-0.657 χ²/NDF: 11276599.9/21
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: 2218.367+/-0.447 χ²/NDF: 24039426.0/49
In: 3245.078+/-0.507 χ²/NDF:18349518.0/44
Out: 3159.461+/-0.478 χ²/NDF:20437680.0/52
All: 3199.749+/-0.348 χ²/NDF: 38802284.0/9



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

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

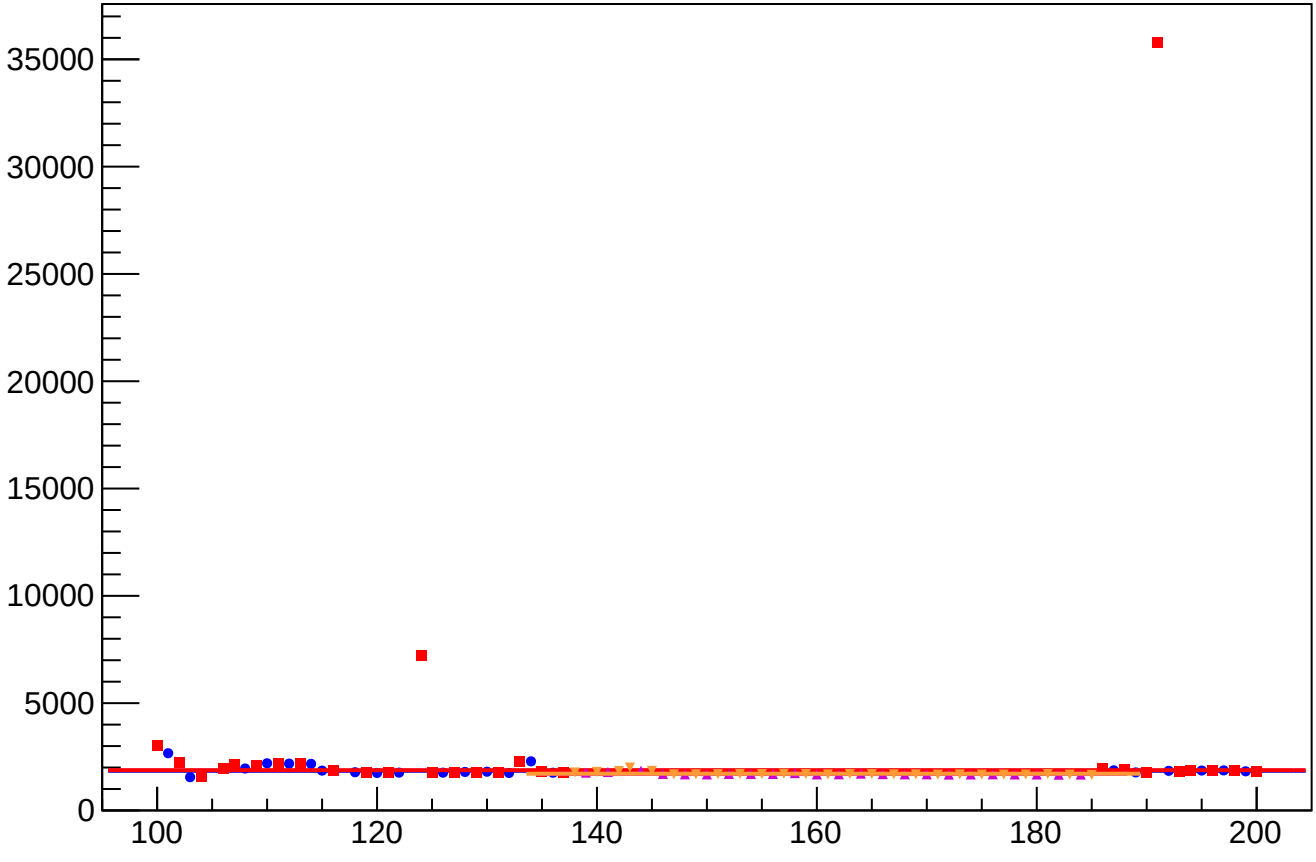
Right: 1904.122+/-376.173 χ^2/NDF: 43.0/49

In: 2511.347+/-321.824 χ^2/NDF:33.0/44

Out: 1214.753+/-311.145 χ^2/NDF:50.5/52

All: 1841.180+/-223.693 χ^2/NDF: 91.8/97

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

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

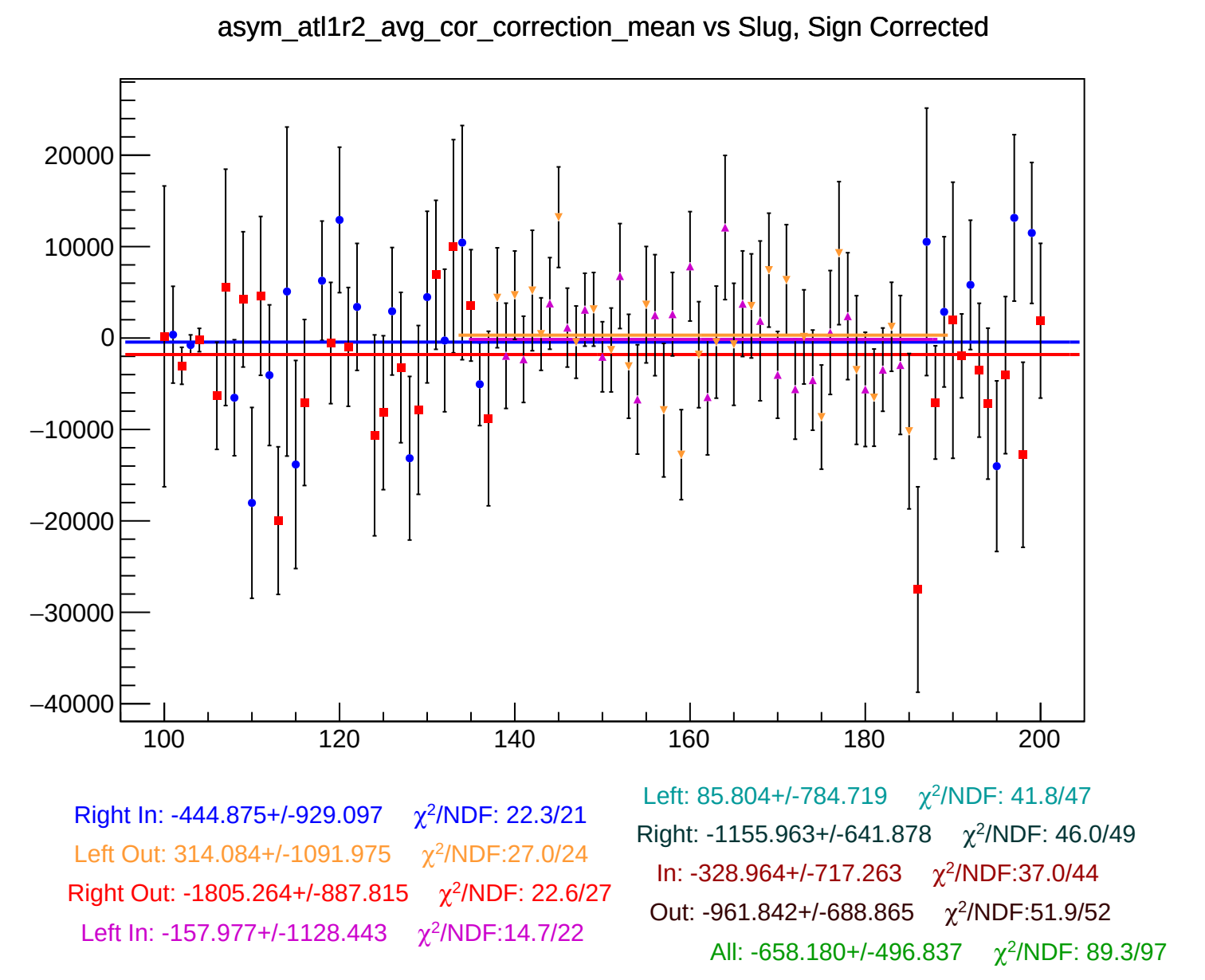
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

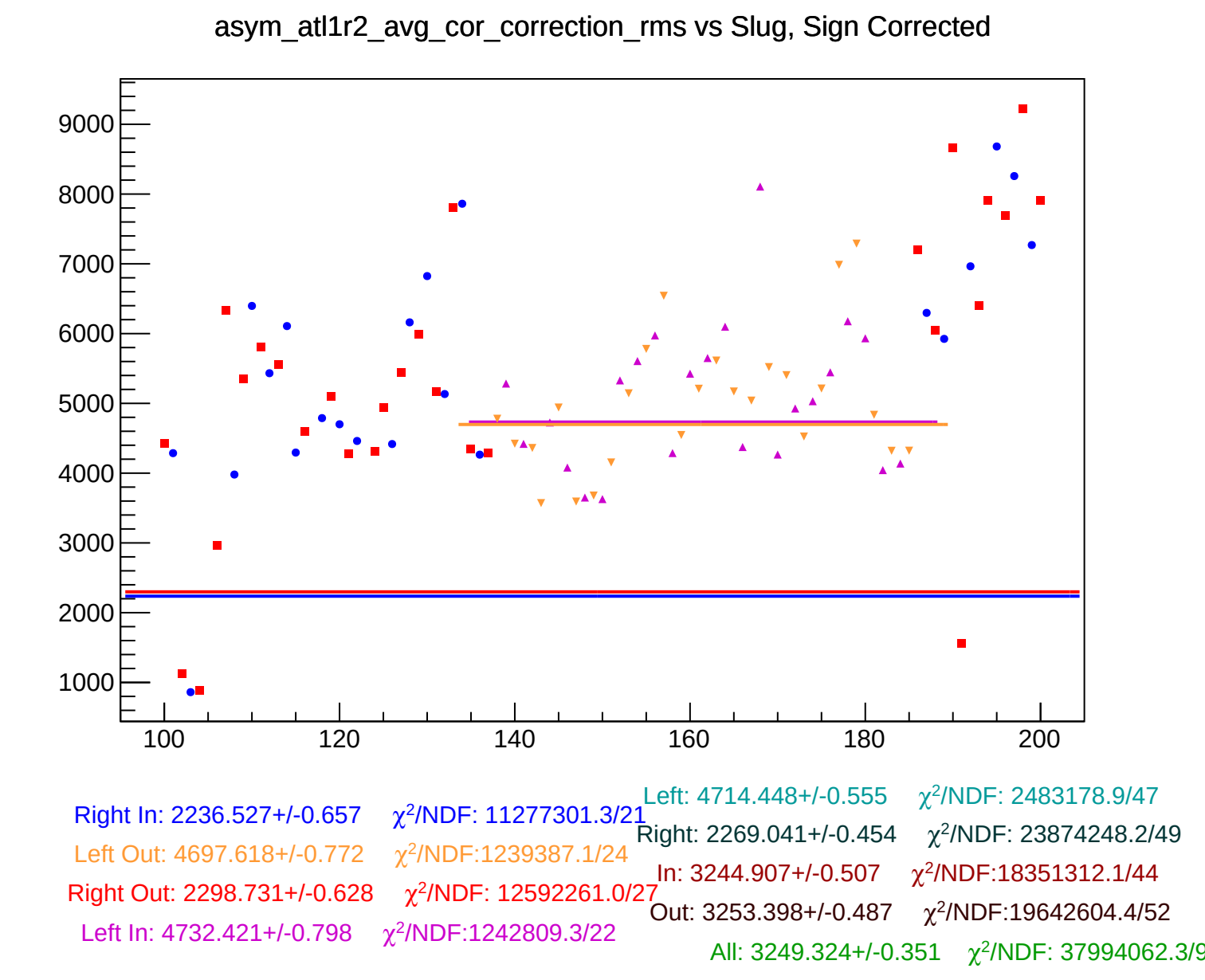
Right: 1863.026+/-0.266 χ^2/NDF: 786979.6/49

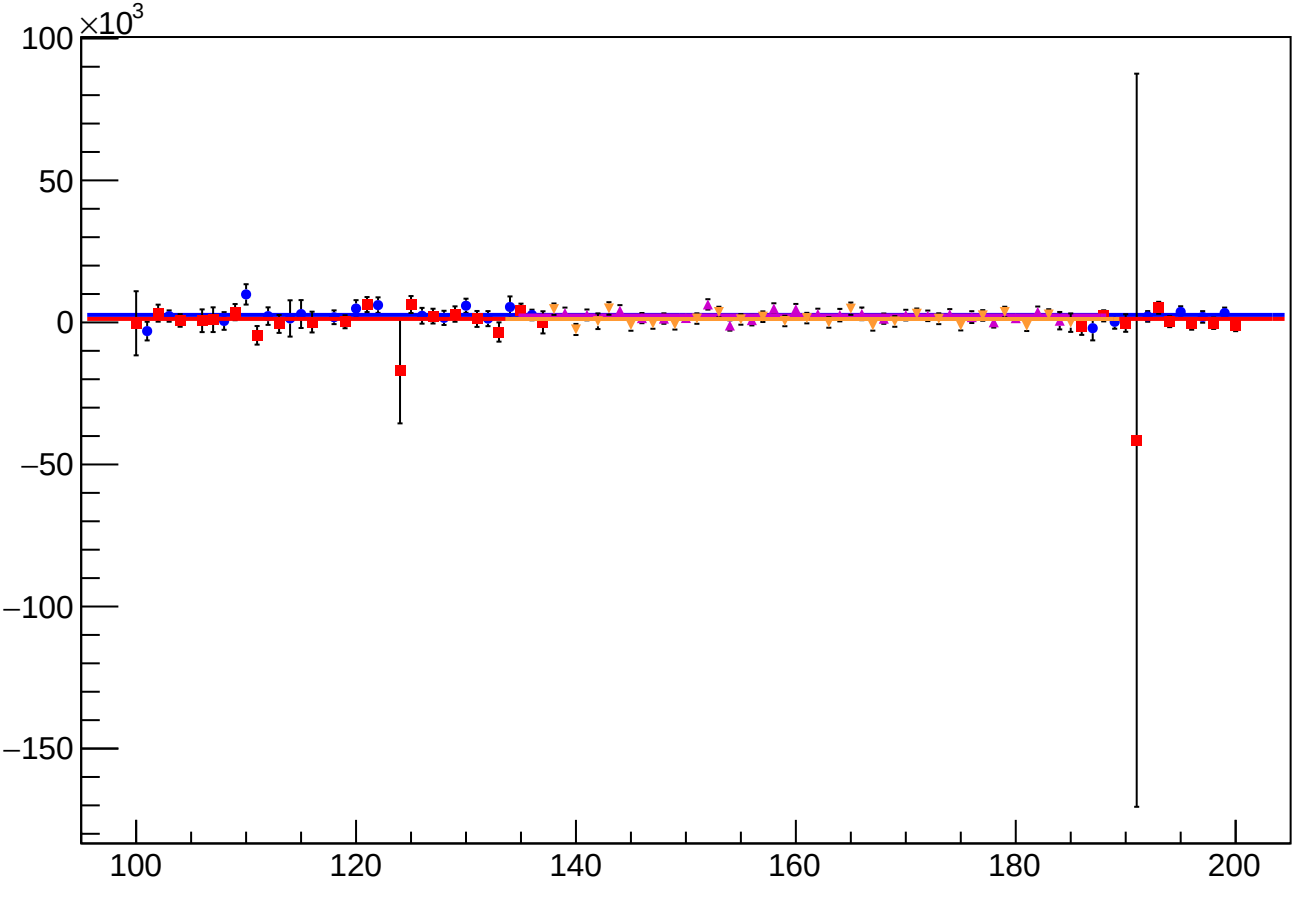
In: 1754.027+/-0.228 χ^2/NDF:379998.1/44

Out: 1771.063+/-0.220 χ^2/NDF:706957.5/52

All: 1762.836+/-0.158 χ^2/NDF: 1089853.3/97


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: -444.875+/-929.097 χ²/NDF: 22.3/21
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: -1155.963+/-641.878 χ²/NDF: 46.0/49
In: -328.964+/-717.263 χ²/NDF:37.0/44
Out: -961.842+/-688.865 χ²/NDF:51.9/52
All: -658.180+/-496.837 χ²/NDF: 89.3/97


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: 2236.527+/-0.657 χ²/NDF: 11277301.3/21
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: 2269.041+/-0.454 χ²/NDF: 23874248.2/49
In: 3244.907+/-0.507 χ²/NDF:18351312.1/44
Out: 3253.398+/-0.487 χ²/NDF:19642604.4/52
All: 3249.324+/-0.351 χ²/NDF: 37994062.3/9



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

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

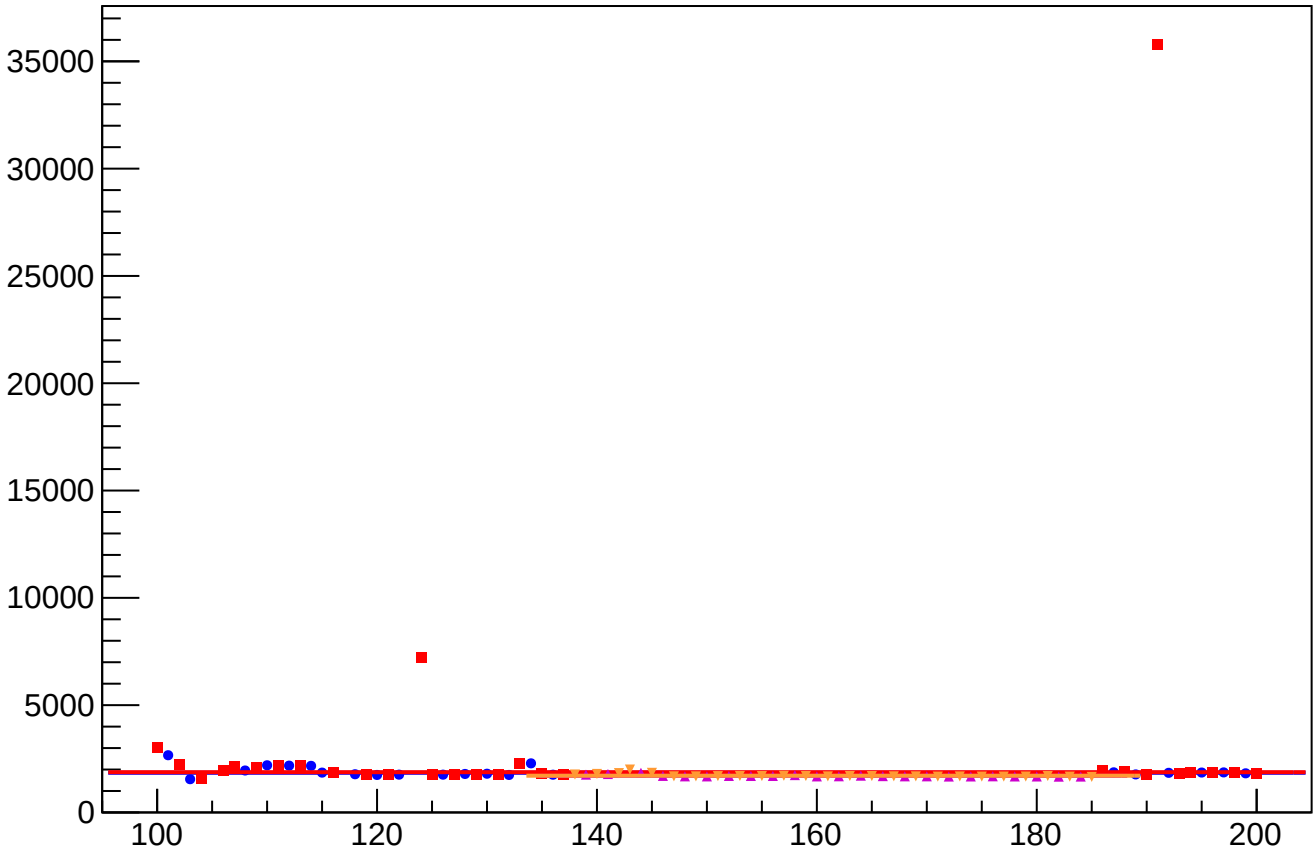
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1904.122+/-376.173 χ^2/NDF: 43.0/49

In: 2511.347+/-321.824 χ^2/NDF:33.0/44

Out: 1214.753+/-311.145 χ^2/NDF:50.5/52

All: 1841.180+/-223.693 χ^2/NDF: 91.8/97



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

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

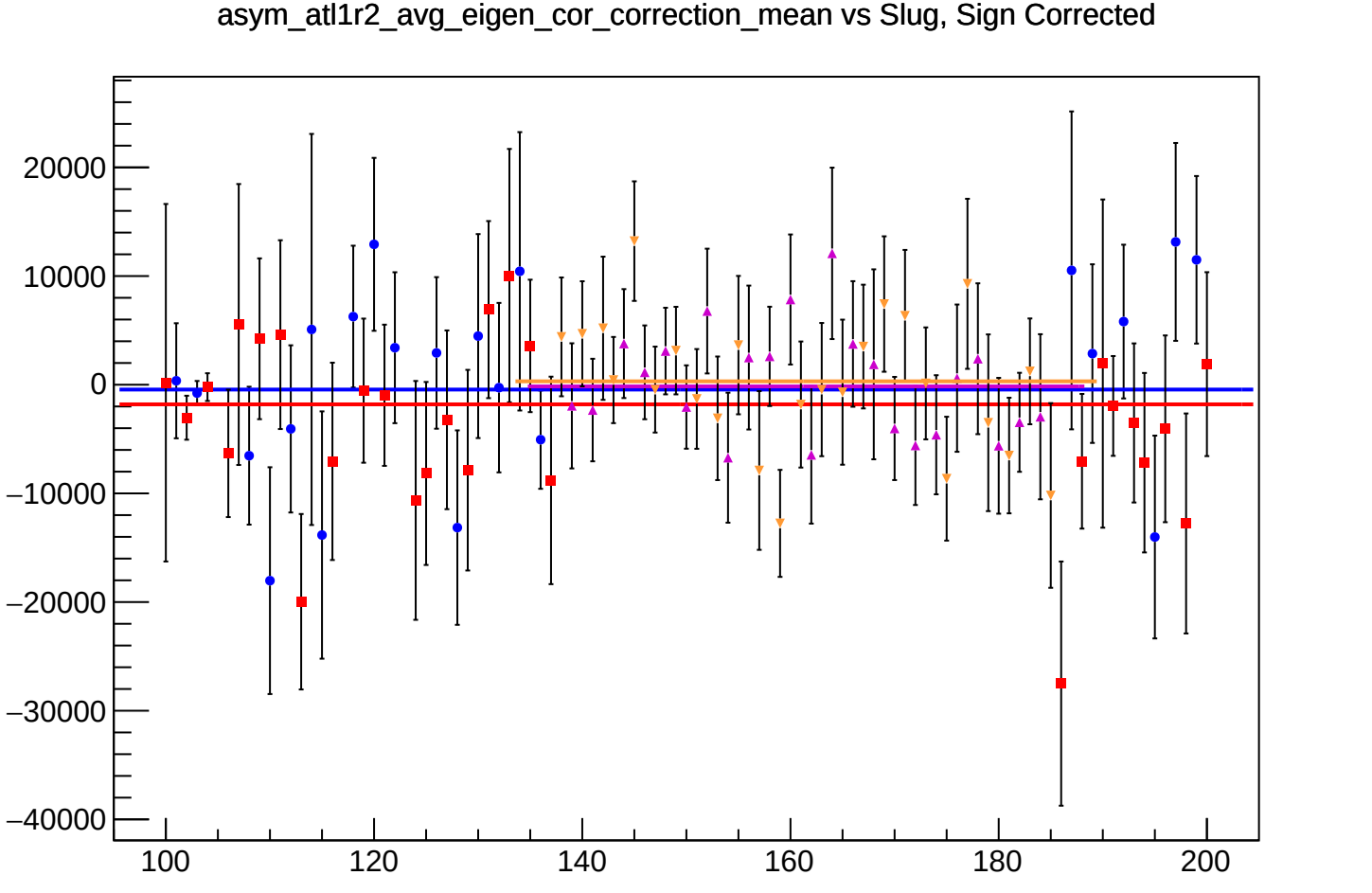
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1863.026+/-0.266 χ^2/NDF: 786979.6/49

In: 1754.027+/-0.228 χ^2/NDF:379998.1/44

Out: 1771.063+/-0.220 χ^2/NDF:706957.5/52

All: 1762.836+/-0.158 χ^2/NDF: 1089853.3/97


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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−10000
−20000
−30000
−40000
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120
140
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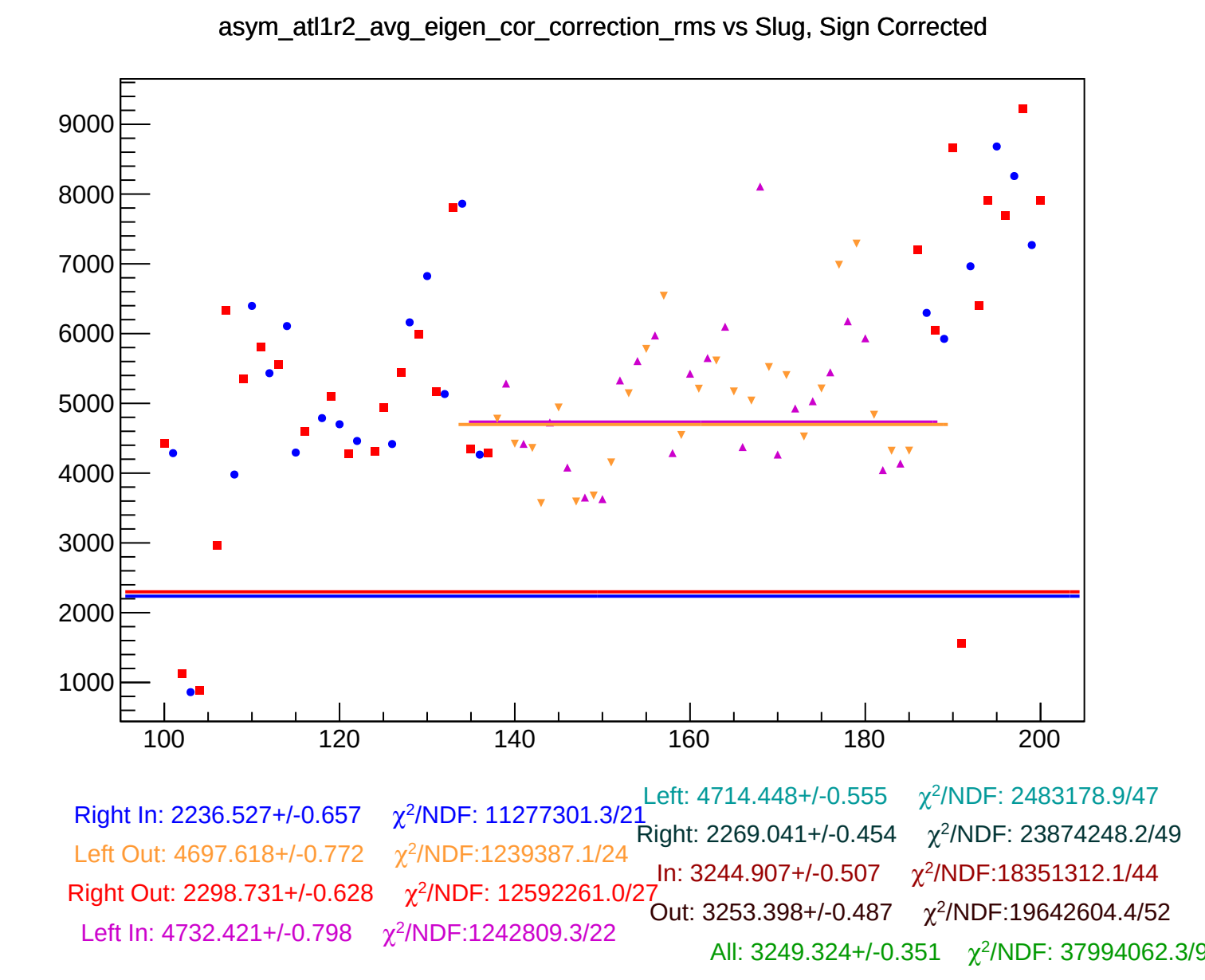
180
200
Right In: -444.875+/-929.097 χ²/NDF: 22.3/21
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1805.264+/-887.815 χ²/NDF: 22.6/27
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1155.963+/-641.878 χ²/NDF: 46.0/49
In: -328.964+/-717.263 χ²/NDF:37.0/44
Out: -961.842+/-688.865 χ²/NDF:51.9/52
All: -658.180+/-496.837 χ²/NDF: 89.3/97


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
9000
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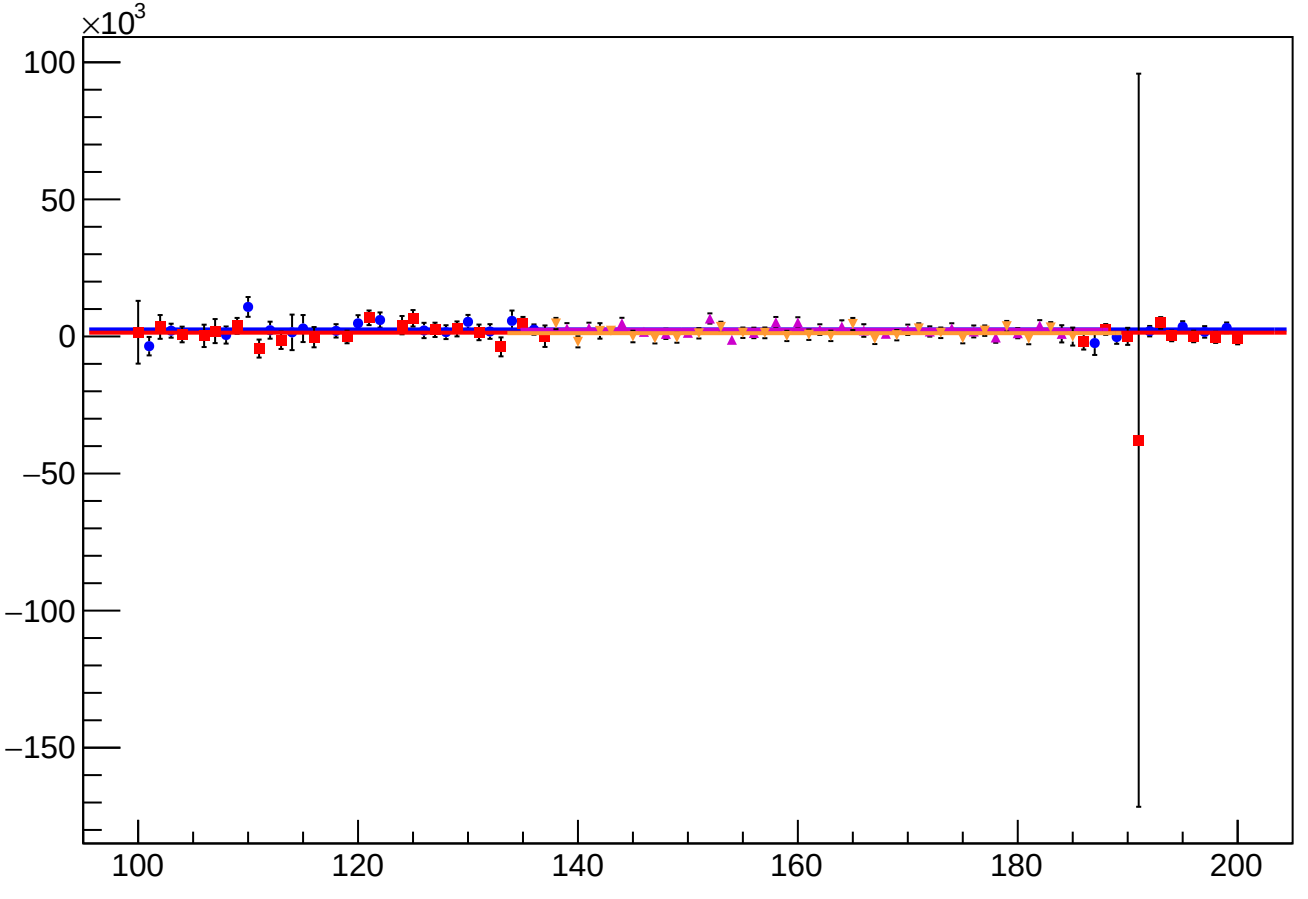
200
Right In: 2236.527+/-0.657 χ²/NDF: 11277301.3/21
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2298.731+/-0.628 χ²/NDF: 12592261.0/27
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2269.041+/-0.454 χ²/NDF: 23874248.2/49
In: 3244.907+/-0.507 χ²/NDF:18351312.1/44
Out: 3253.398+/-0.487 χ²/NDF:19642604.4/52
All: 3249.324+/-0.351 χ²/NDF: 37994062.3/9



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

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

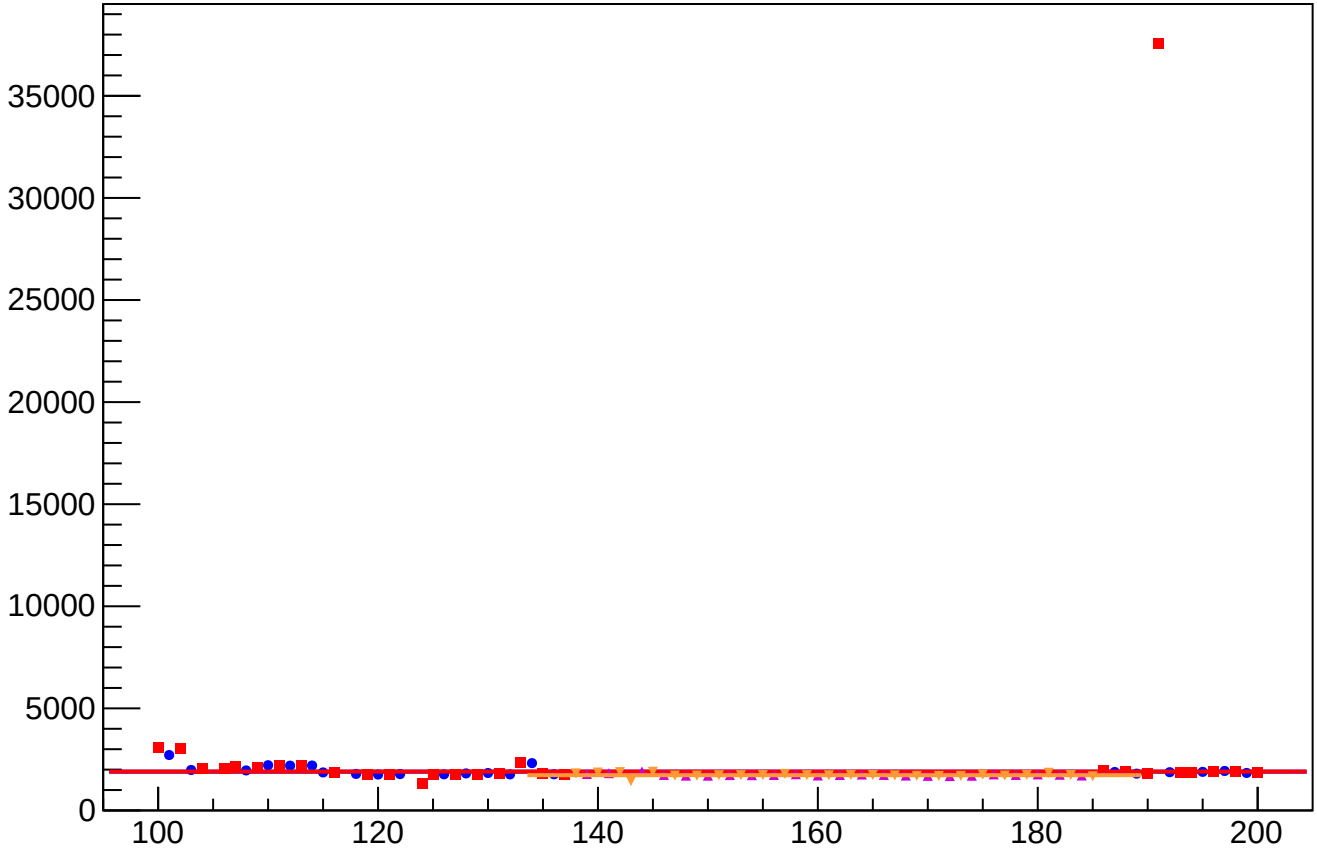
Right: 1935.148+/-384.397 χ^2/NDF: 44.1/49

In: 2482.282+/-329.939 χ^2/NDF:37.1/44

Out: 1262.791+/-315.012 χ^2/NDF:44.8/52

All: 1844.327+/-227.841 χ^2/NDF: 89.0/97

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1900.199+/-0.397 χ^2/NDF: 222906.2/21

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

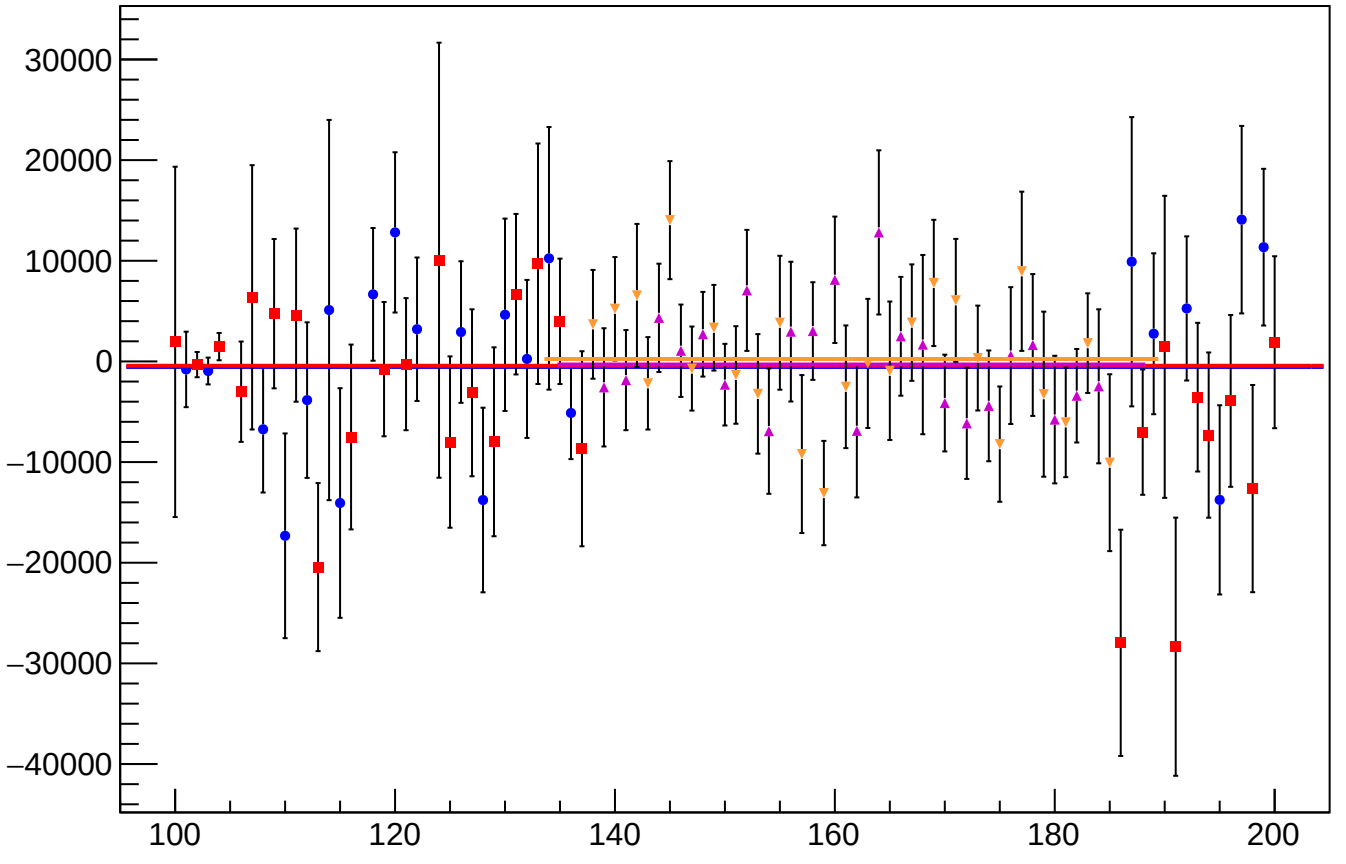
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1902.144+/-0.272 χ^2/NDF: 722716.0/49

In: 1798.242+/-0.233 χ^2/NDF:350123.2/44

Out: 1790.402+/-0.223 χ^2/NDF:754515.7/52

All: 1794.140+/-0.161 χ^2/NDF: 1105229.8/97



Right In: -546.204+/-1026.591 χ^2/NDF: 22.2/21

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

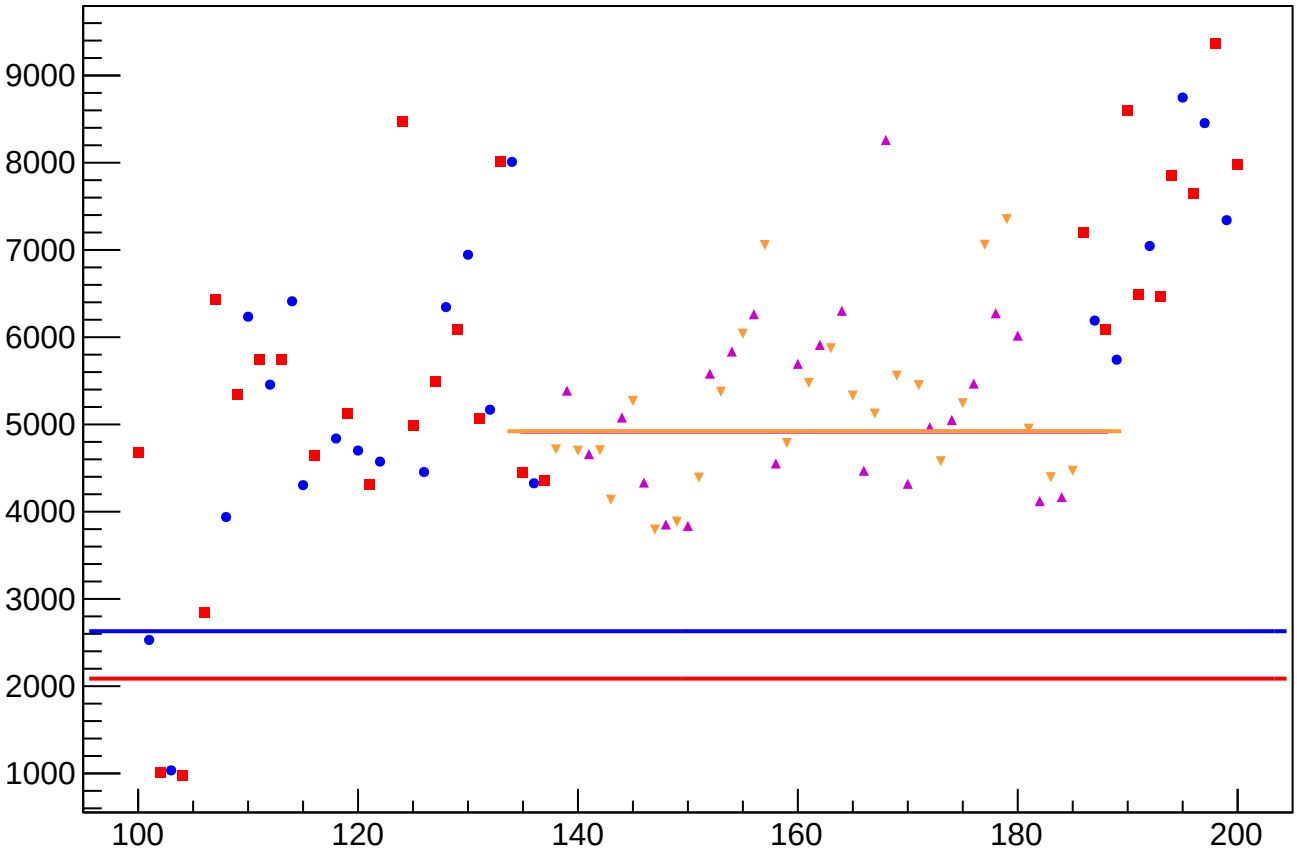
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -475.852+/-633.073 χ^2/NDF: 50.8/49

In: -441.866+/-771.951 χ^2/NDF:36.7/44

Out: -209.039+/-657.322 χ^2/NDF:55.6/52

All: -306.899+/-500.467 χ^2/NDF: 92.3/97



Right In: 2630.028+/-0.726 χ^2/NDF: 9355322.1/21

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

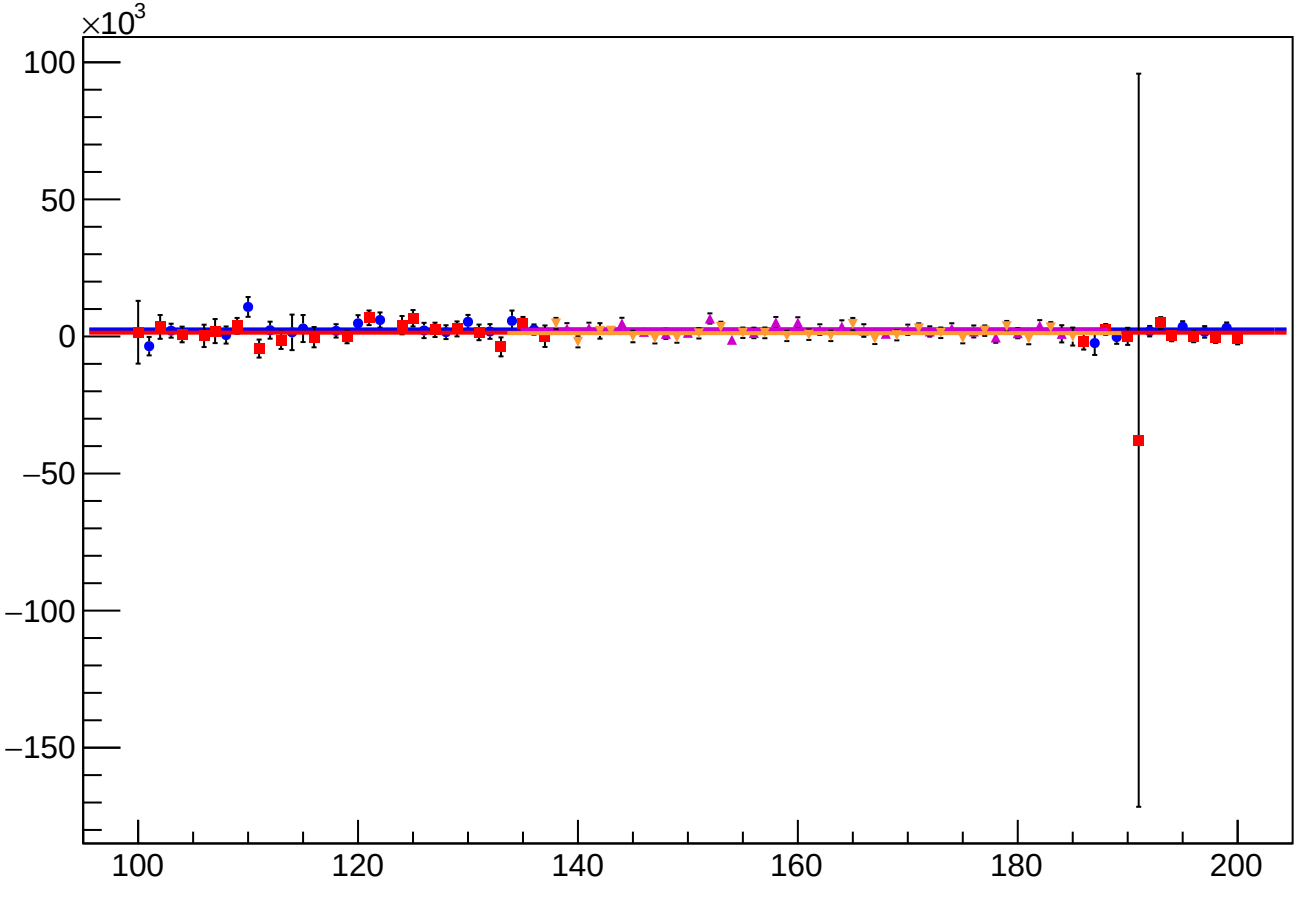
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2293.327+/-0.448 χ^2/NDF: 23383394.4/49

In: 3623.844+/-0.546 χ^2/NDF:14830119.0/44

Out: 3027.884+/-0.465 χ^2/NDF:22984818.2/52

All: 3278.373+/-0.354 χ^2/NDF: 38505940.3/9



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

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

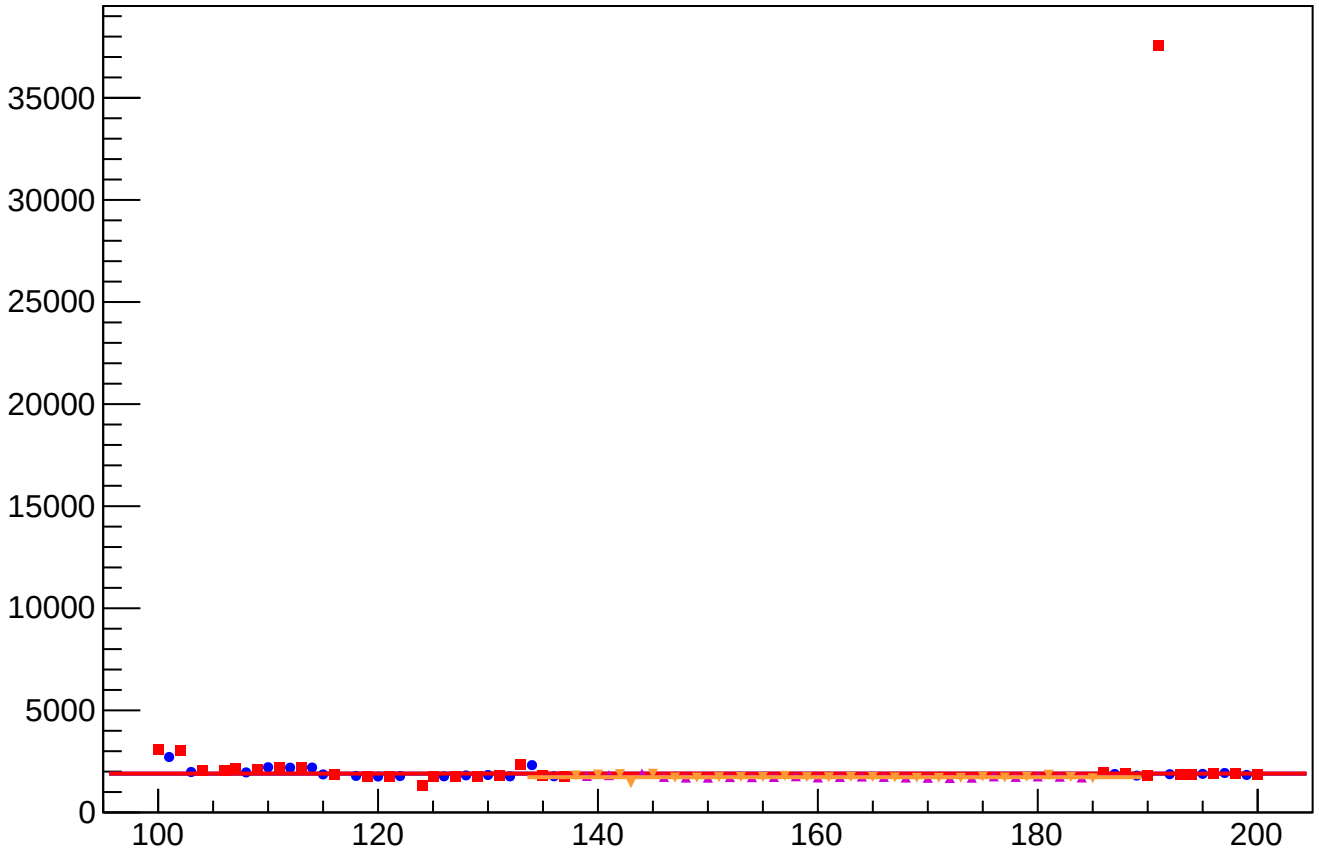
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 1935.150+/-384.397 χ^2/NDF: 44.1/49

In: 2482.282+/-329.939 χ^2/NDF:37.1/44

Out: 1262.788+/-315.012 χ^2/NDF:44.8/52

All: 1844.325+/-227.842 χ^2/NDF: 89.0/97



Right In: 1900.198+/-0.397 χ^2/NDF: 222906.3/21

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

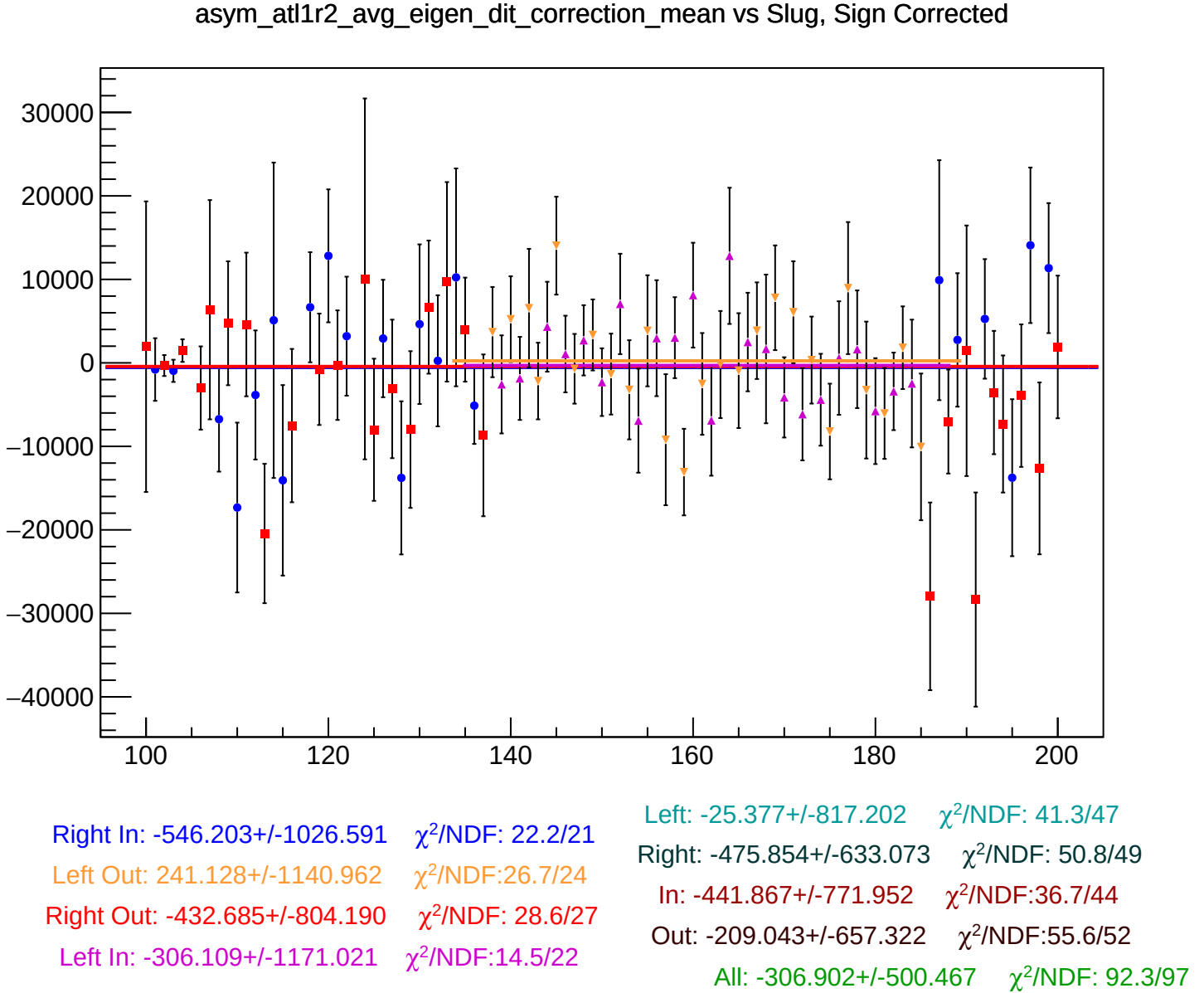
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1902.144+/-0.272 χ^2/NDF: 722715.0/49

In: 1798.242+/-0.233 χ^2/NDF:350121.7/44

Out: 1790.402+/-0.223 χ^2/NDF:754511.9/52

All: 1794.140+/-0.161 χ^2/NDF: 1105224.4/97


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
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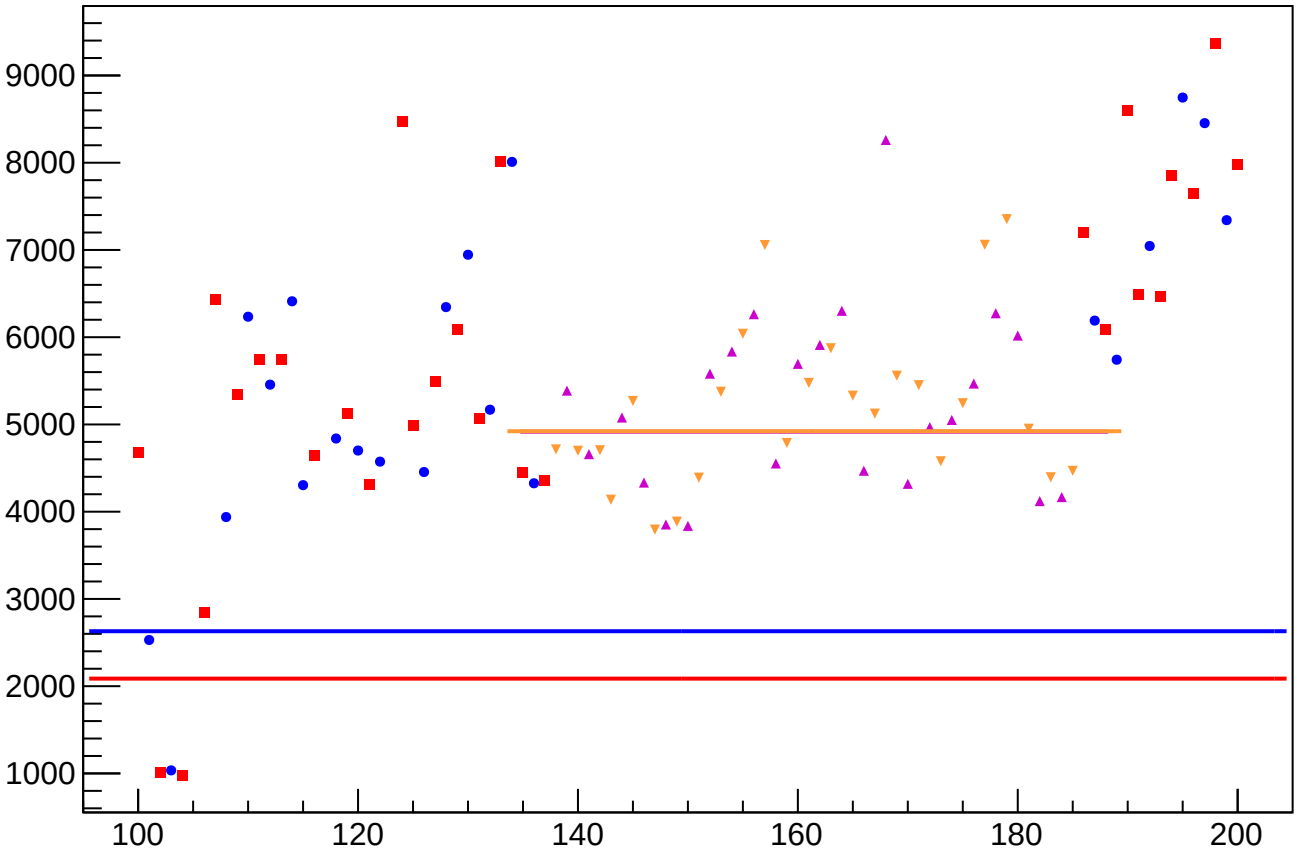
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -546.203+/-1026.591 χ²/NDF: 22.2/21
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -432.685+/-804.190 χ²/NDF: 28.6/27
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -475.854+/-633.073 χ²/NDF: 50.8/49
In: -441.867+/-771.952 χ²/NDF:36.7/44
Out: -209.043+/-657.322 χ²/NDF:55.6/52
All: -306.902+/-500.467 χ²/NDF: 92.3/97



Right In: 2630.027+/-0.726 χ^2/NDF: 9355321.7/21

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

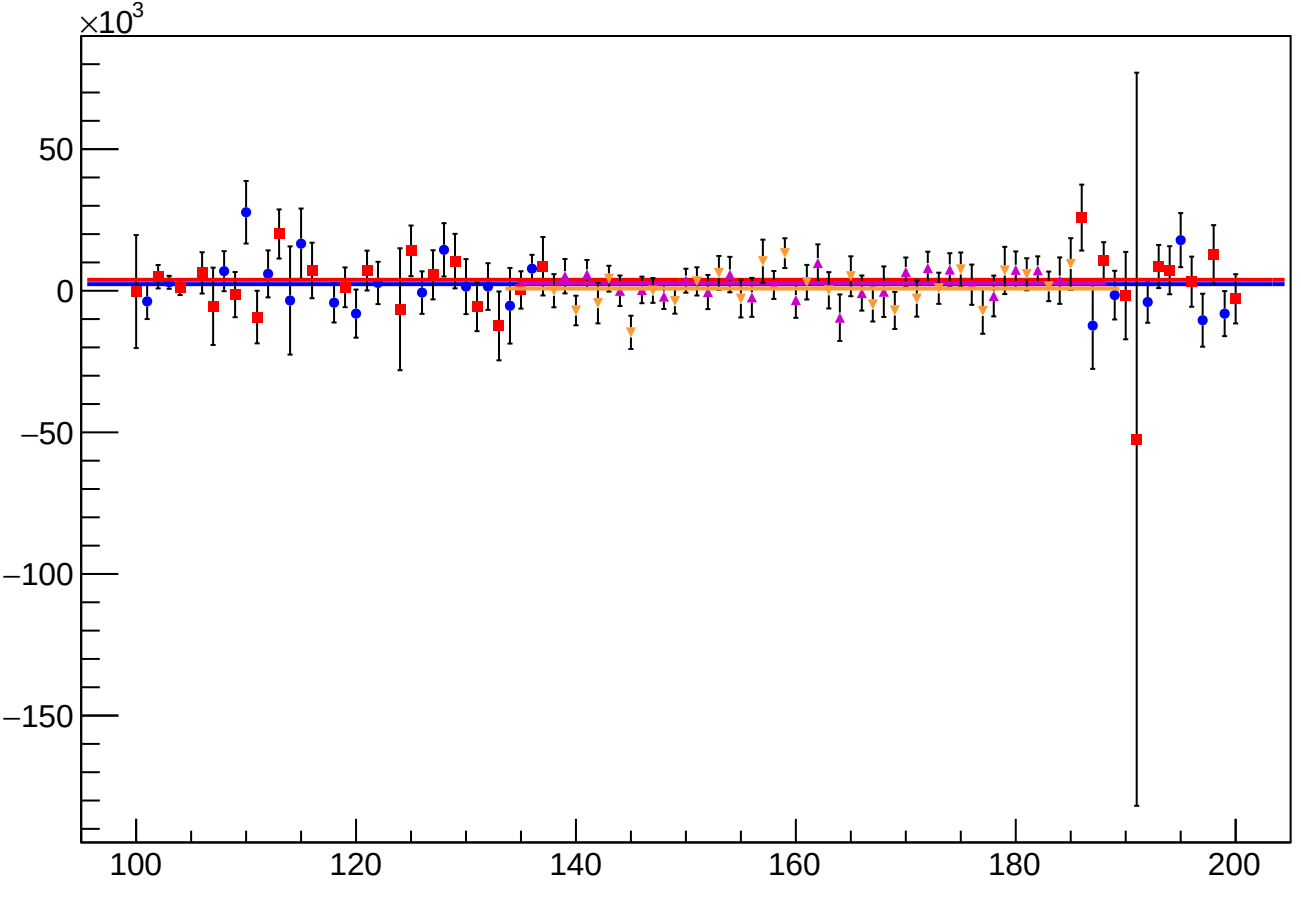
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2293.326+/-0.448 χ^2/NDF: 23383389.9/49

In: 3623.844+/-0.546 χ^2/NDF:14830150.9/44

Out: 3027.883+/-0.465 χ^2/NDF:22984852.6/52

All: 3278.372+/-0.354 χ^2/NDF: 38506007.6/9



Right In: 2332.089+/-1418.815 χ^2/NDF: 22.2/21

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

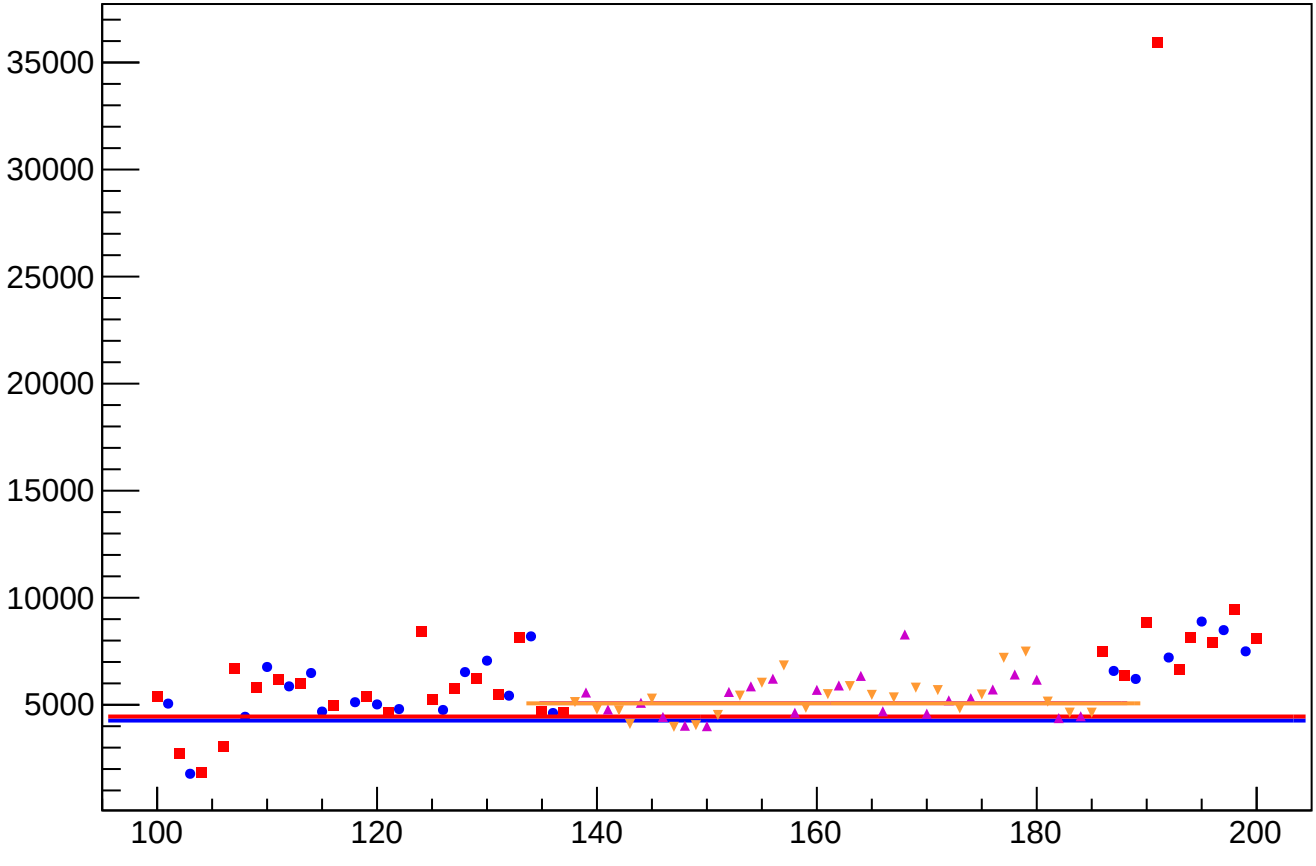
Right: 3115.144+/-993.291 χ^2/NDF: 43.5/49

In: 2548.849+/-919.021 χ^2/NDF:34.2/44

Out: 2066.552+/-896.272 χ^2/NDF:51.1/52

All: 2301.657+/-641.652 χ^2/NDF: 85.4/97

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4264.579+/-1.003 χ^2/NDF: 4840957.4/21

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

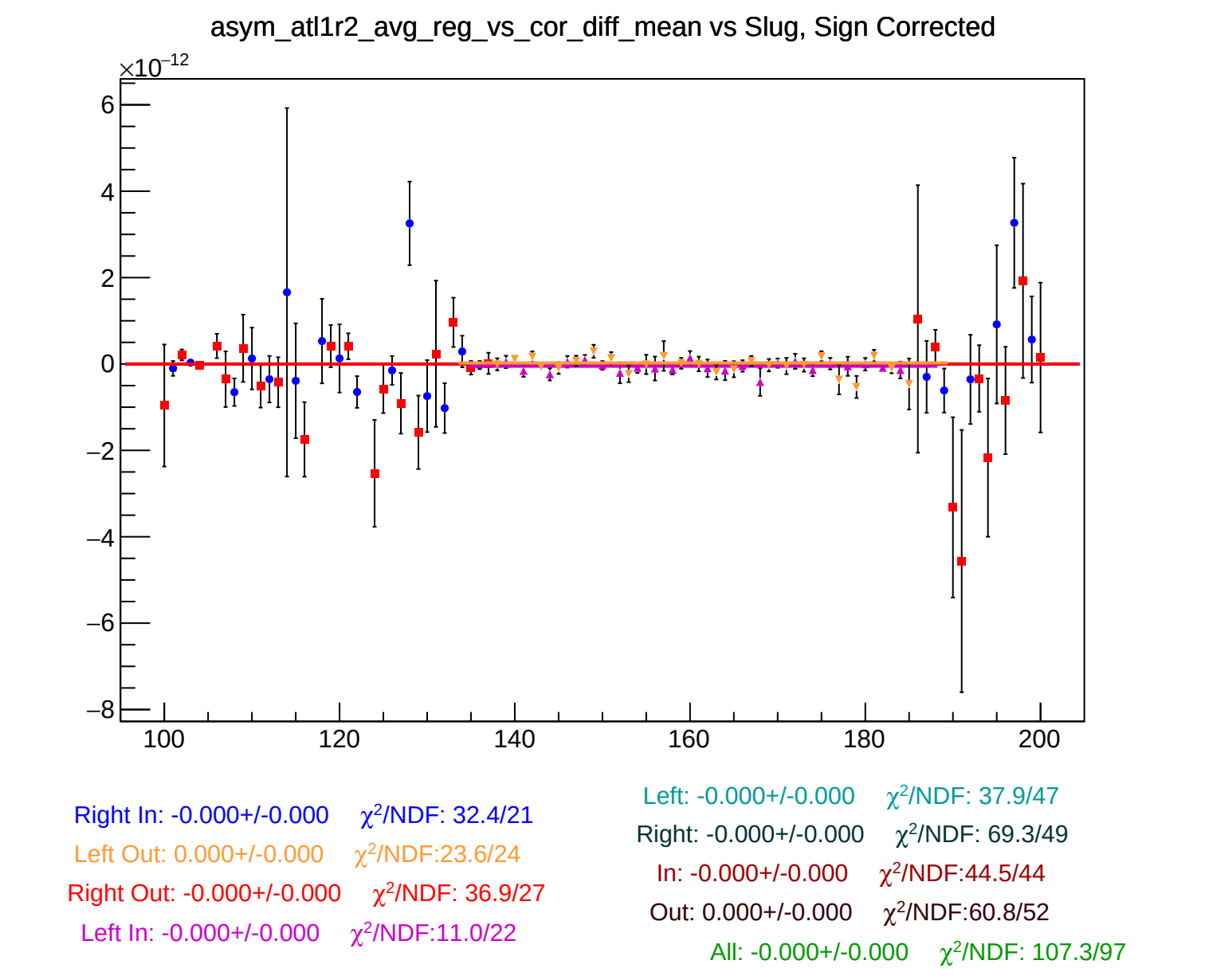
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4361.390+/-0.699 χ^2/NDF: 10281541.2/49

In: 4737.712+/-0.650 χ^2/NDF:6225369.0/44

Out: 4810.195+/-0.632 χ^2/NDF:6607474.2/52

All: 4774.984+/-0.453 χ^2/NDF: 12839240.5/9


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−2
−4
−6
−8
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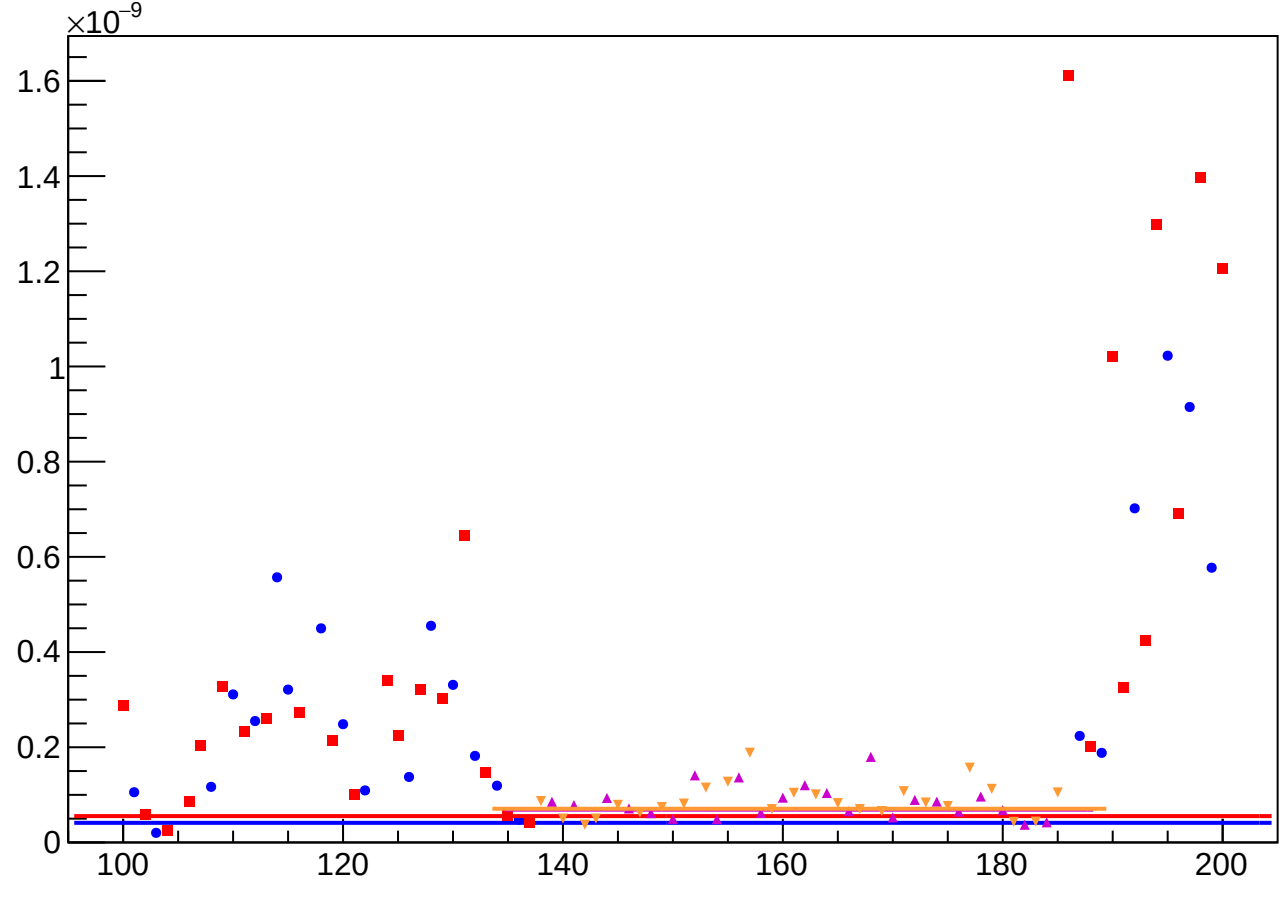
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.4/21
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/27
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 69.3/49
In: -0.000+/-0.000 χ²/NDF:44.5/44
Out: 0.000+/-0.000 χ²/NDF:60.8/52
All: -0.000+/-0.000 χ²/NDF: 107.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 6062394.0/21

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

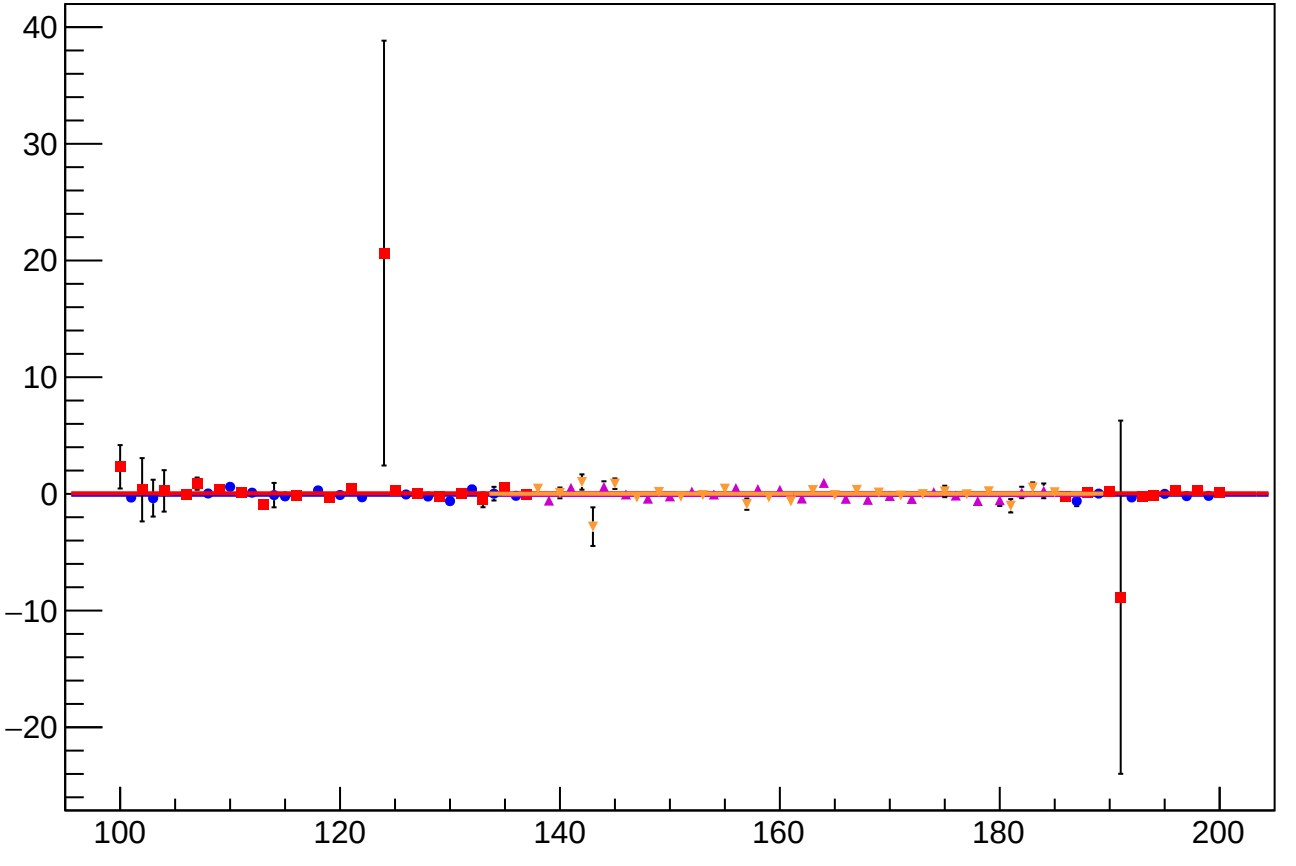
Right: 0.000+/-0.000 χ^2/NDF: 13846619.3/49

In: 0.000+/-0.000 χ^2/NDF:8199051.1/44

Out: 0.000+/-0.000 χ^2/NDF:9322100.4/52

All: 0.000+/-0.000 χ^2/NDF: 17648152.7/97

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

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

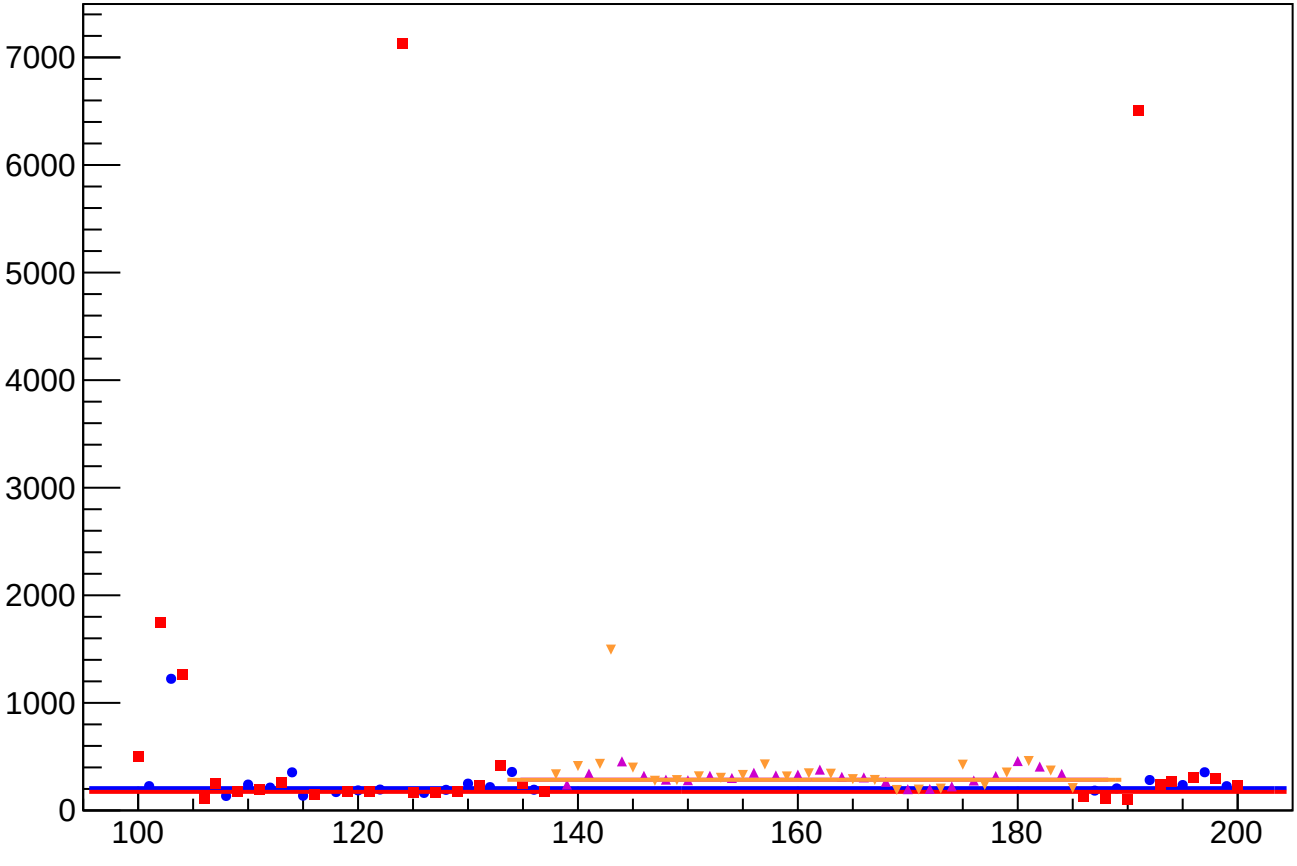
Right: 0.002+/-0.042 χ^2/NDF: 44.5/49

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

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

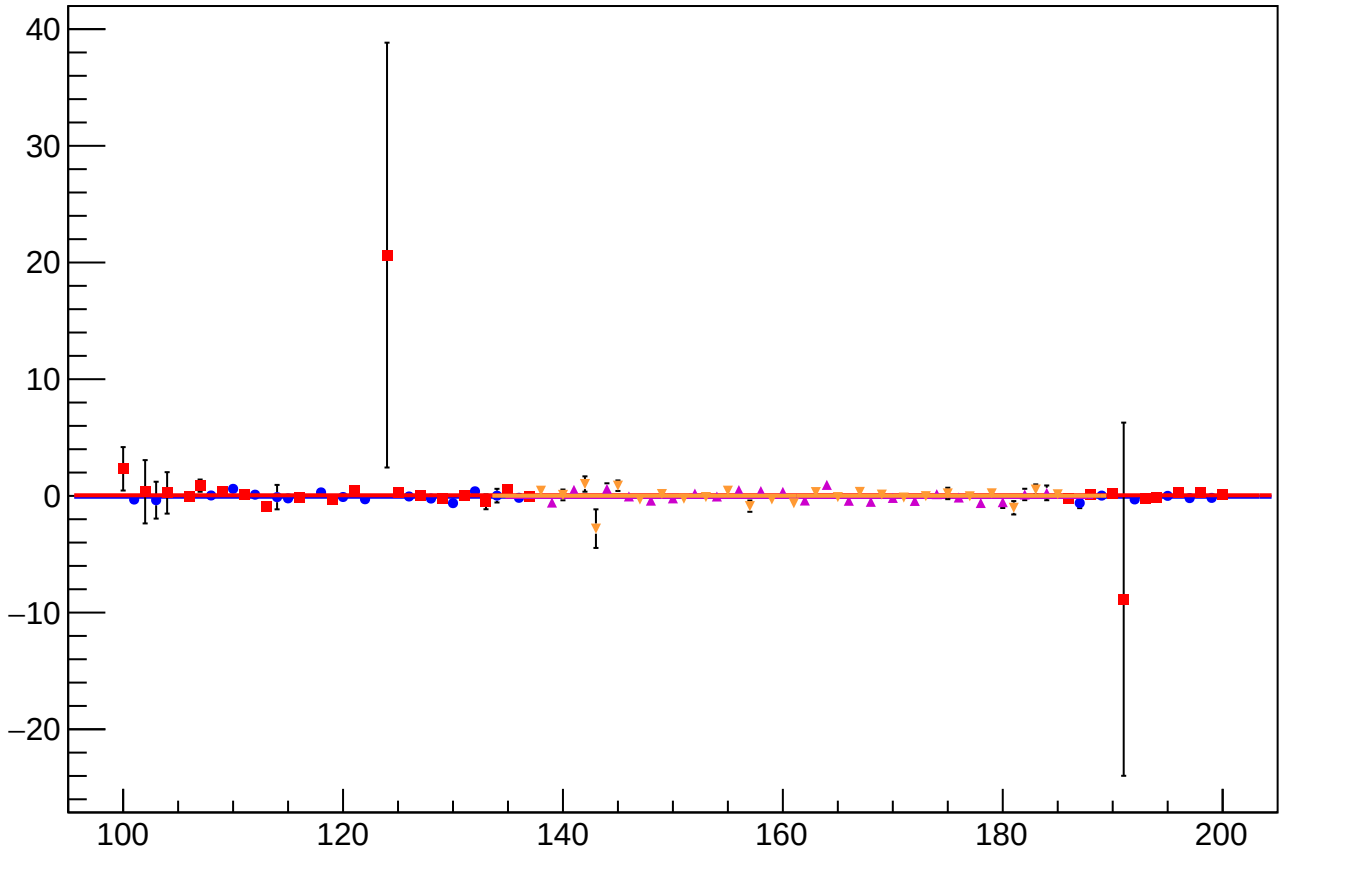
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 186.756+/-0.030 χ^2/NDF: 7034602.6/49

In: 243.998+/-0.034 χ^2/NDF:4971895.9/44

Out: 215.017+/-0.030 χ^2/NDF:11437094.2/52

All: 227.818+/-0.023 χ^2/NDF: 16814005.4/97



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

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

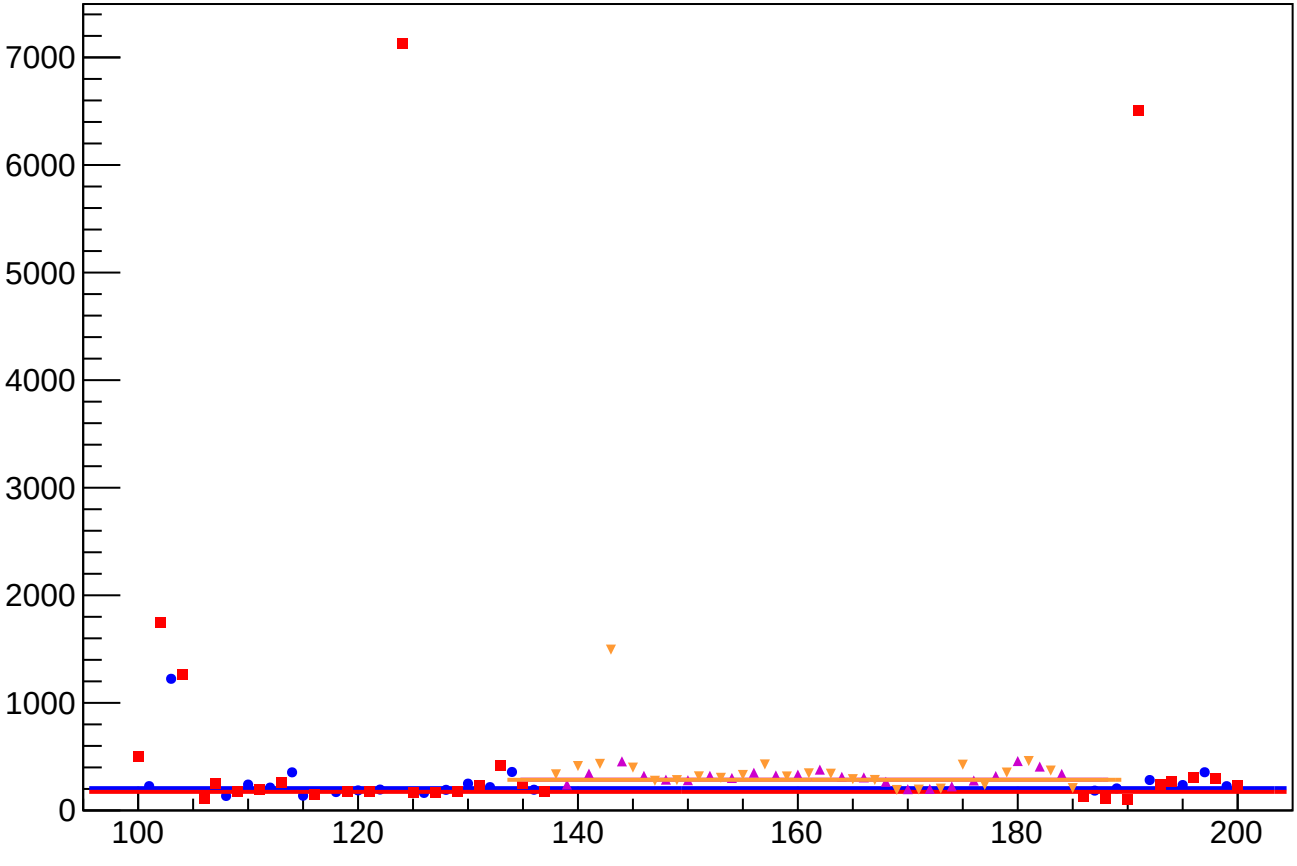
Right: 0.002+/-0.042 χ^2/NDF: 44.5/49

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

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

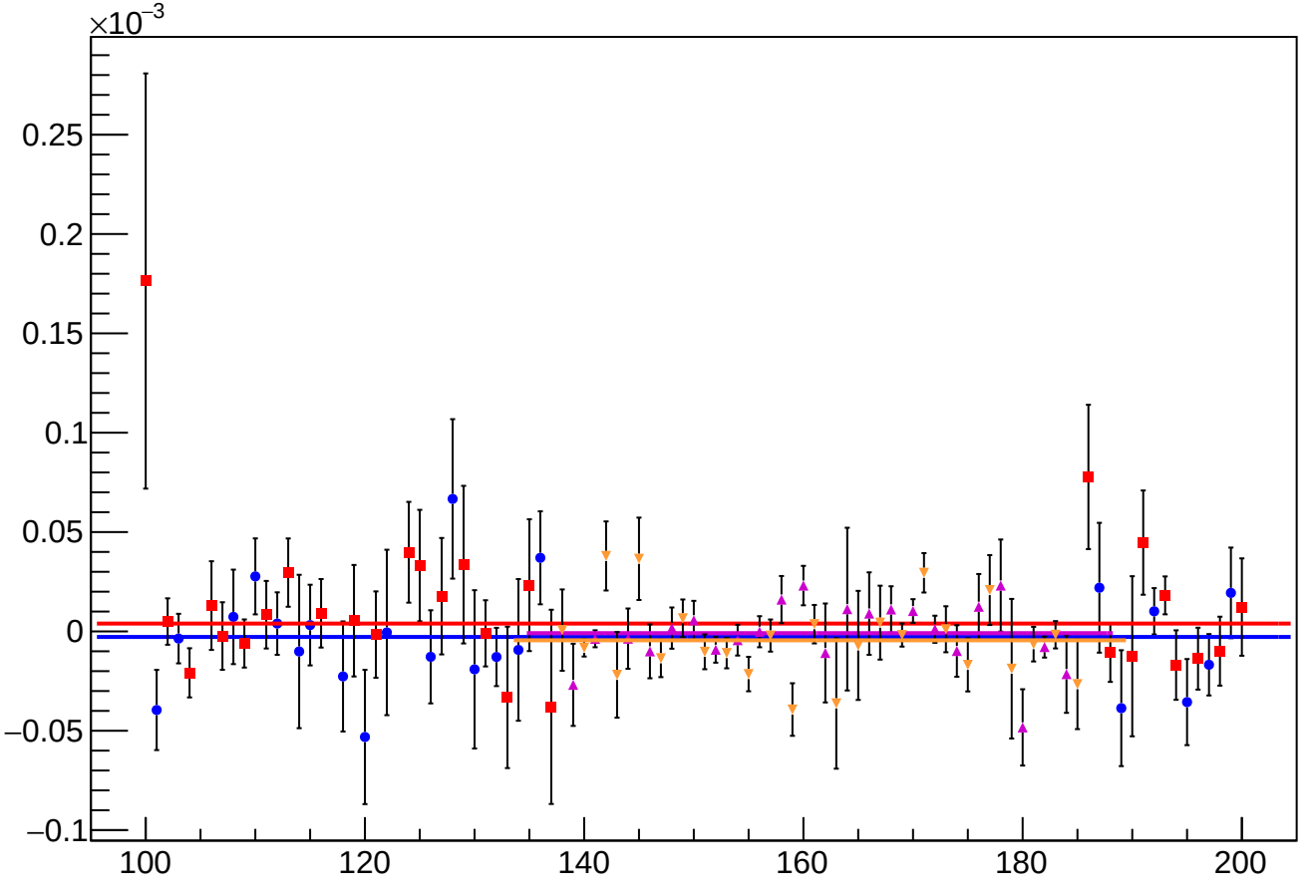
Right: 186.756+/-0.030 χ^2/NDF: 7034602.6/49

In: 243.998+/-0.034 χ^2/NDF:4971895.9/44

Out: 215.017+/-0.030 χ^2/NDF:11437094.2/52

All: 227.818+/-0.023 χ^2/NDF: 16814005.4/97

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

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

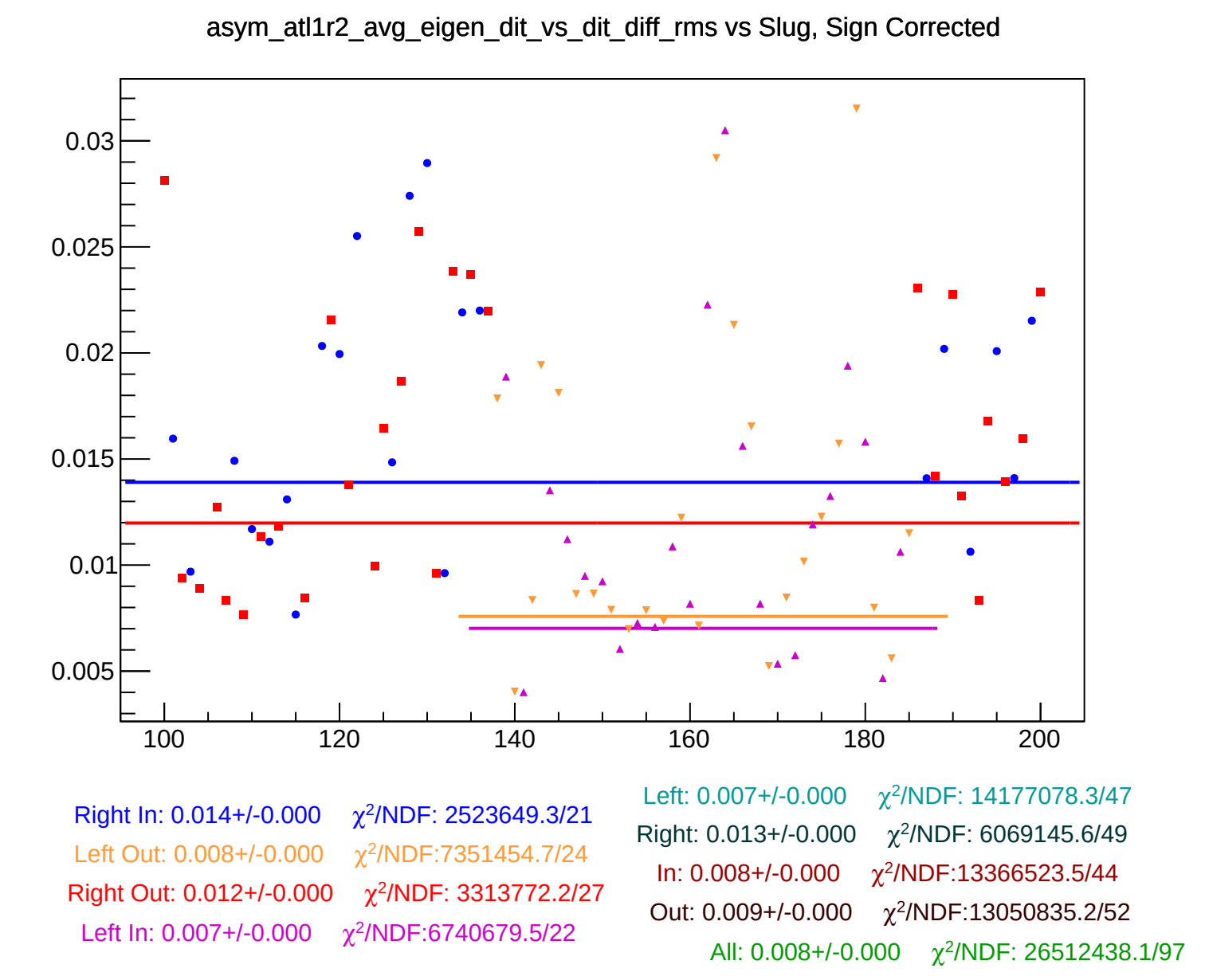
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

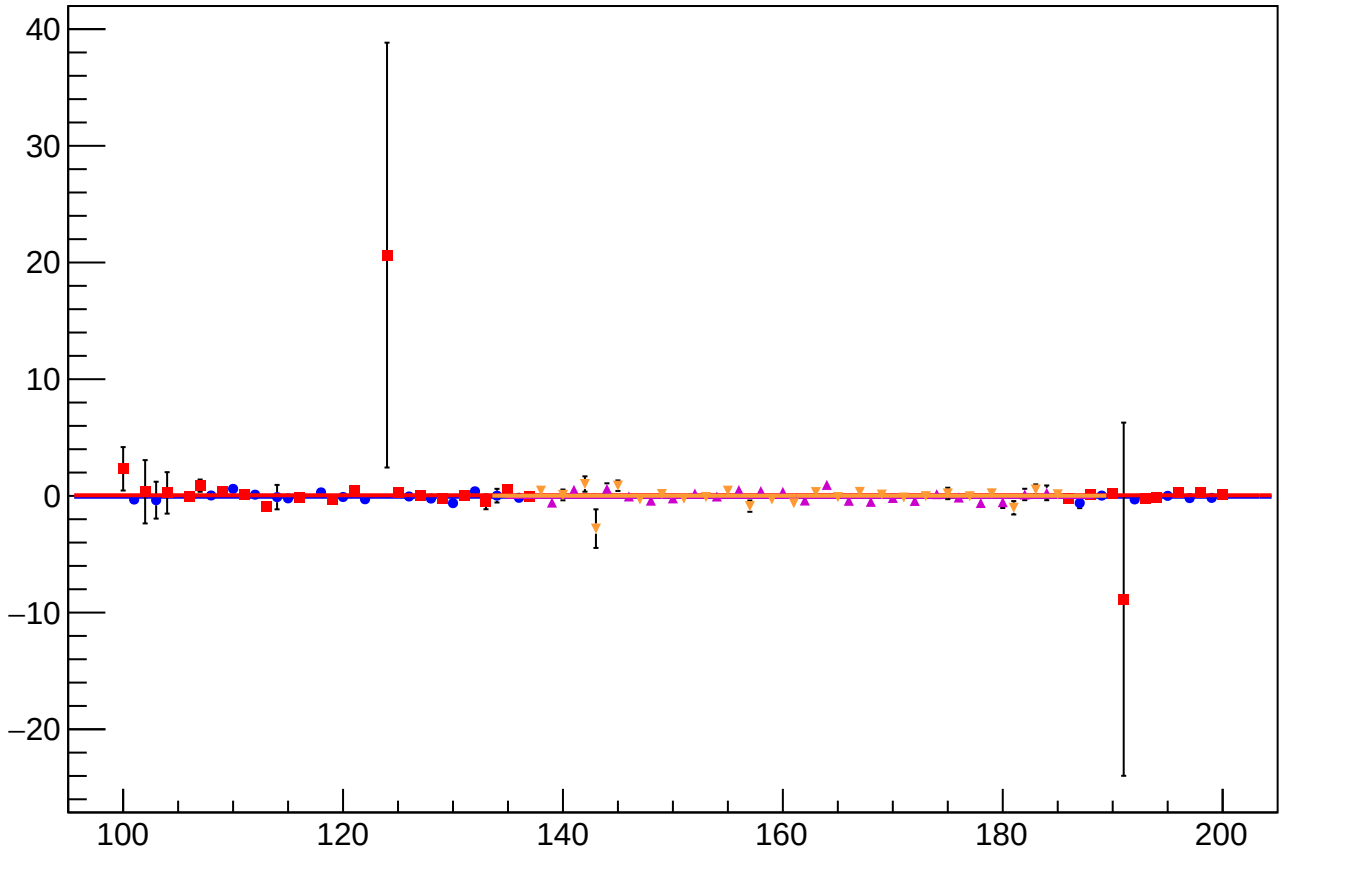
Right: 0.000+/-0.000 χ^2/NDF: 54.3/49

In: -0.000+/-0.000 χ^2/NDF:52.4/44

Out: -0.000+/-0.000 χ^2/NDF:77.9/52

All: -0.000+/-0.000 χ^2/NDF: 130.6/97


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 2523649.3/21
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 3313772.2/27
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.013+/-0.000 χ²/NDF: 6069145.6/49
In: 0.008+/-0.000 χ²/NDF:13366523.5/44
Out: 0.009+/-0.000 χ²/NDF:13050835.2/52
All: 0.008+/-0.000 χ²/NDF: 26512438.1/97



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

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

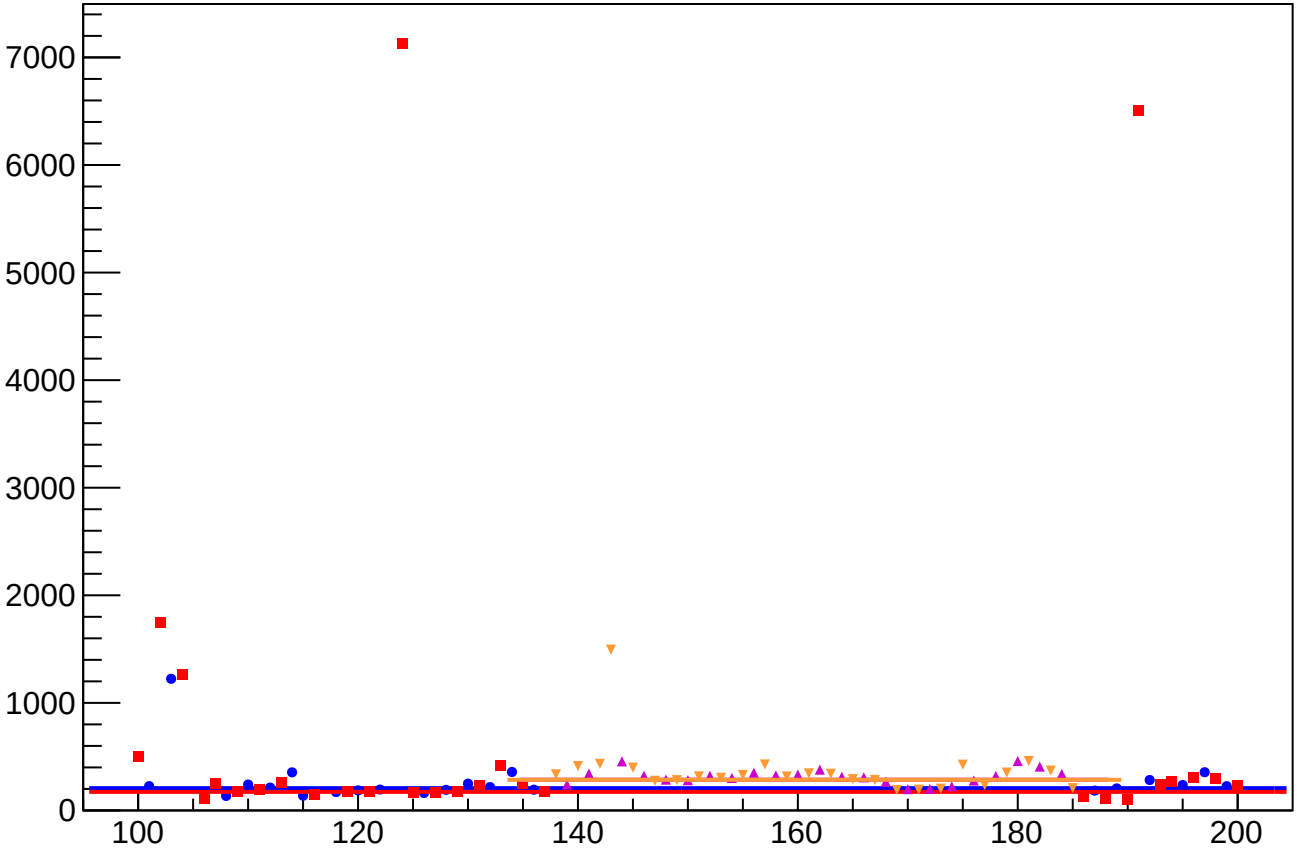
Right: 0.002+/-0.042 χ^2/NDF: 44.5/49

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

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

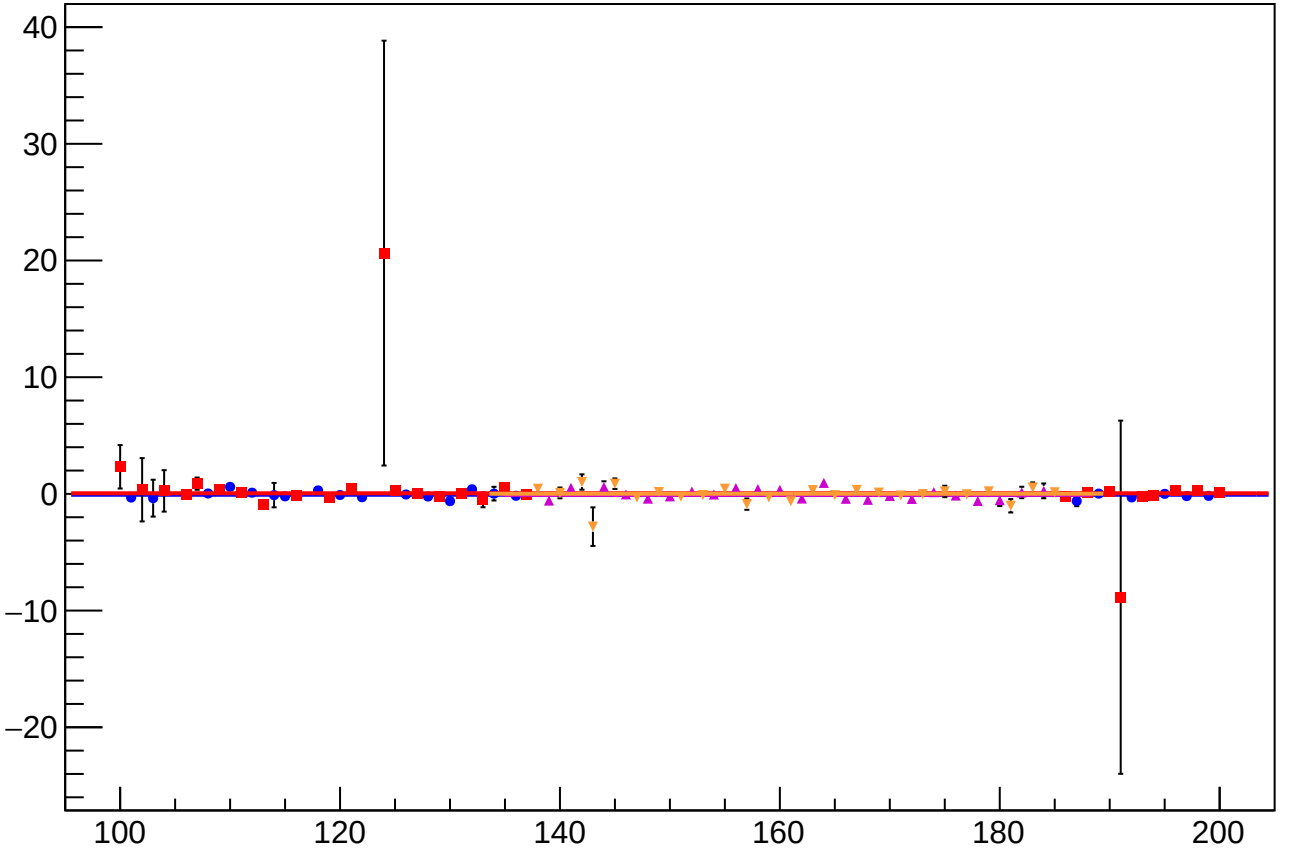
Right: 186.754+/-0.030 χ^2/NDF: 7034780.4/49

In: 243.998+/-0.034 χ^2/NDF:4972047.0/44

Out: 215.016+/-0.030 χ^2/NDF:11437570.2/52

All: 227.817+/-0.023 χ^2/NDF: 16814683.3/97

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

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

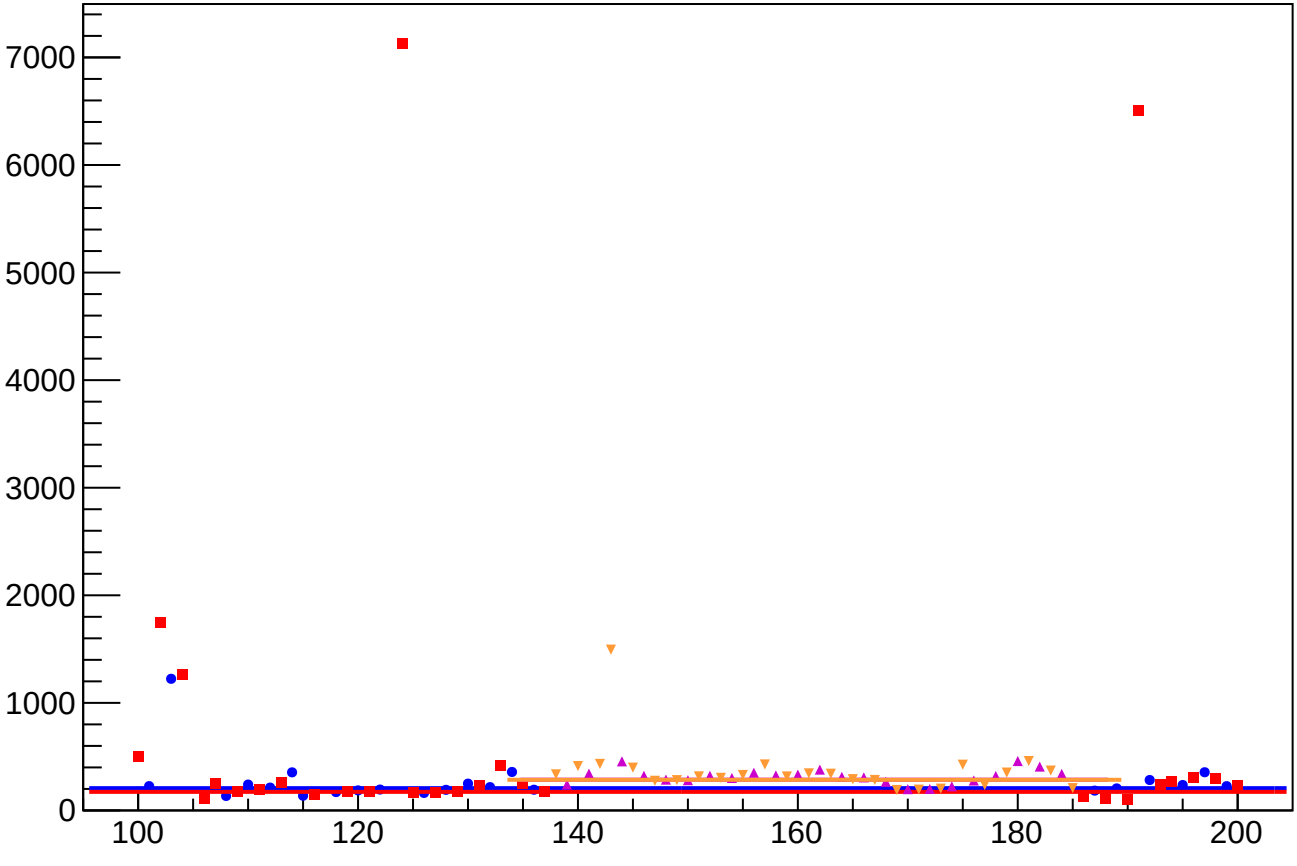
Right: 0.002+/-0.042 χ^2/NDF: 44.5/49

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.039+/-0.043 χ^2/NDF:56.3/52

All: -0.015+/-0.032 χ^2/NDF: 105.2/97

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

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

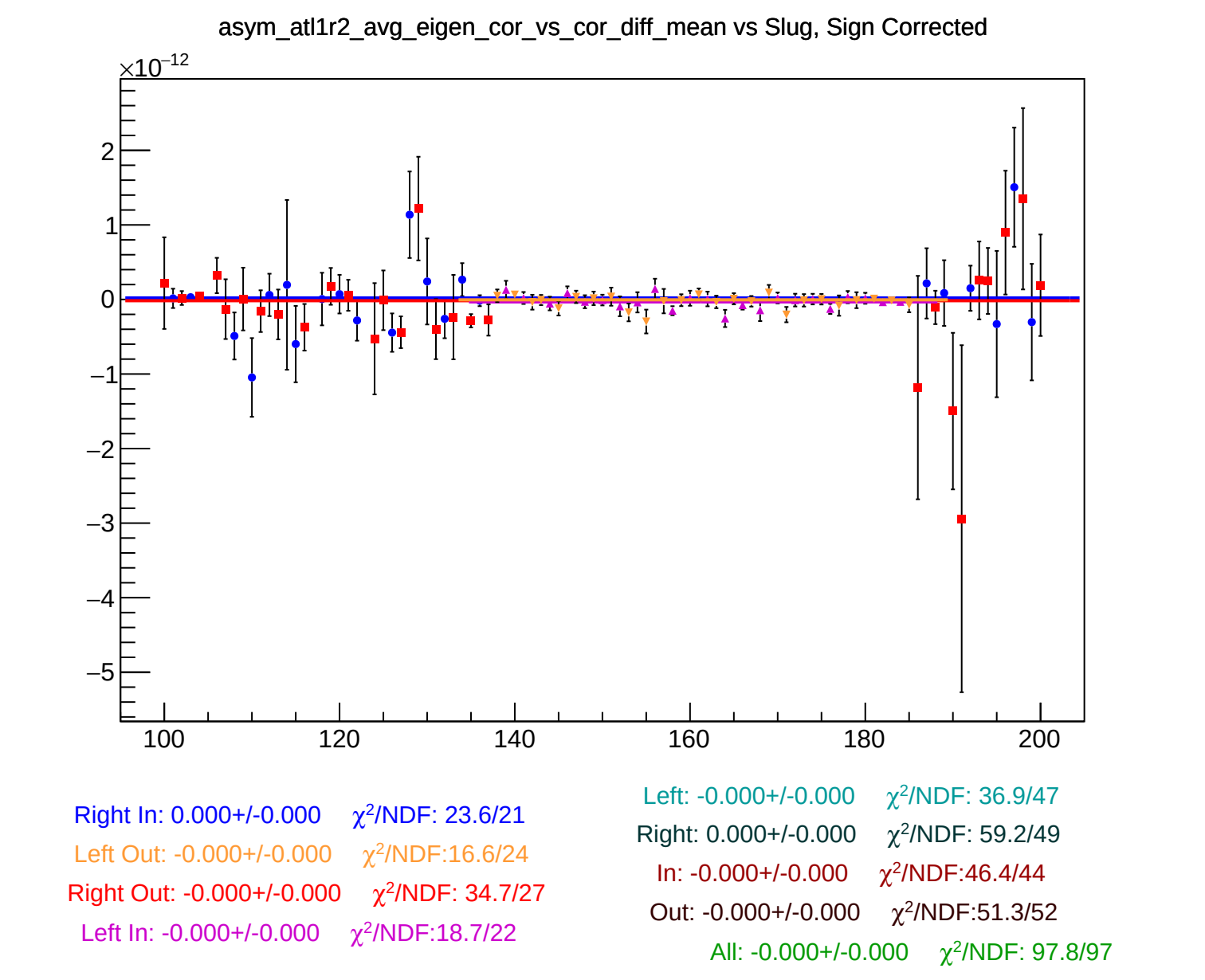
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

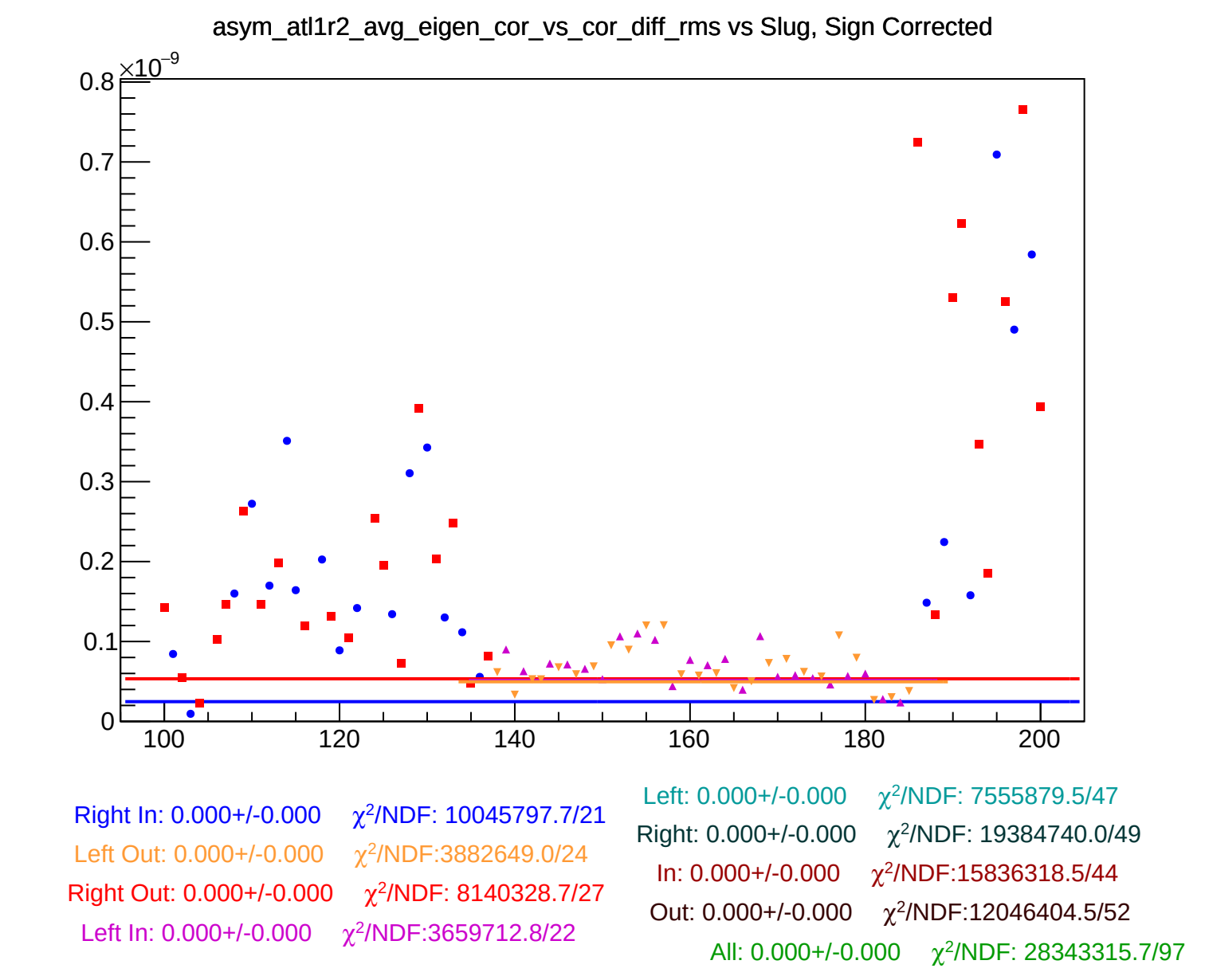
Right: 186.754+/-0.030 χ^2/NDF: 7034780.4/49

In: 243.998+/-0.034 χ^2/NDF:4972047.0/44

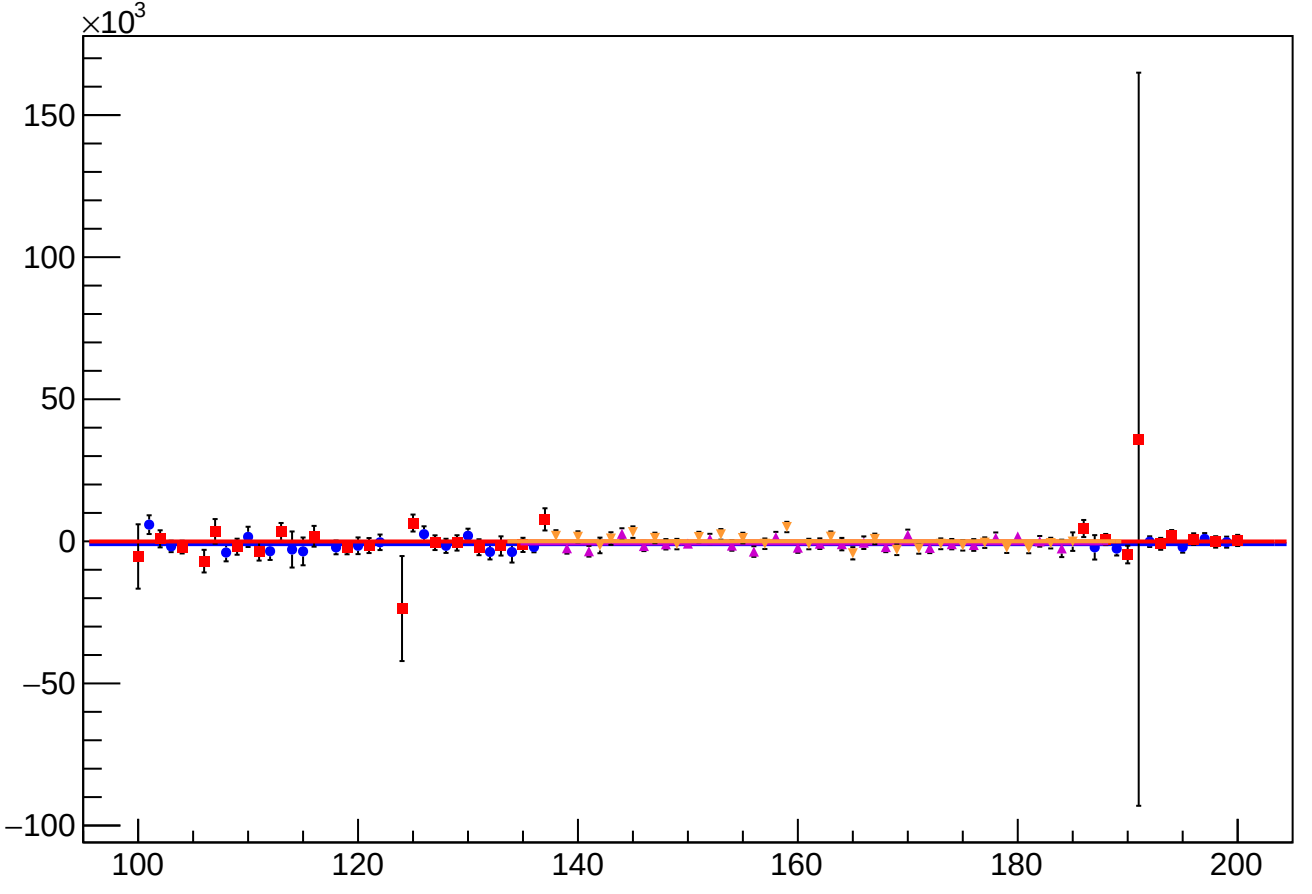
Out: 215.016+/-0.030 χ^2/NDF:11437570.2/52

All: 227.817+/-0.023 χ^2/NDF: 16814683.3/97


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: 23.6/21
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: 59.2/49
In: -0.000+/-0.000 χ²/NDF:46.4/44
Out: -0.000+/-0.000 χ²/NDF:51.3/52
All: -0.000+/-0.000 χ²/NDF: 97.8/97


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10045797.7/21
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8140328.7/27
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7555879.5/47
Right: 0.000+/-0.000 χ²/NDF: 19384740.0/49
In: 0.000+/-0.000 χ²/NDF:15836318.5/44
Out: 0.000+/-0.000 χ²/NDF:12046404.5/52
All: 0.000+/-0.000 χ²/NDF: 28343315.7/97

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -986.696+/-546.574 χ^2/NDF: 14.2/21

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

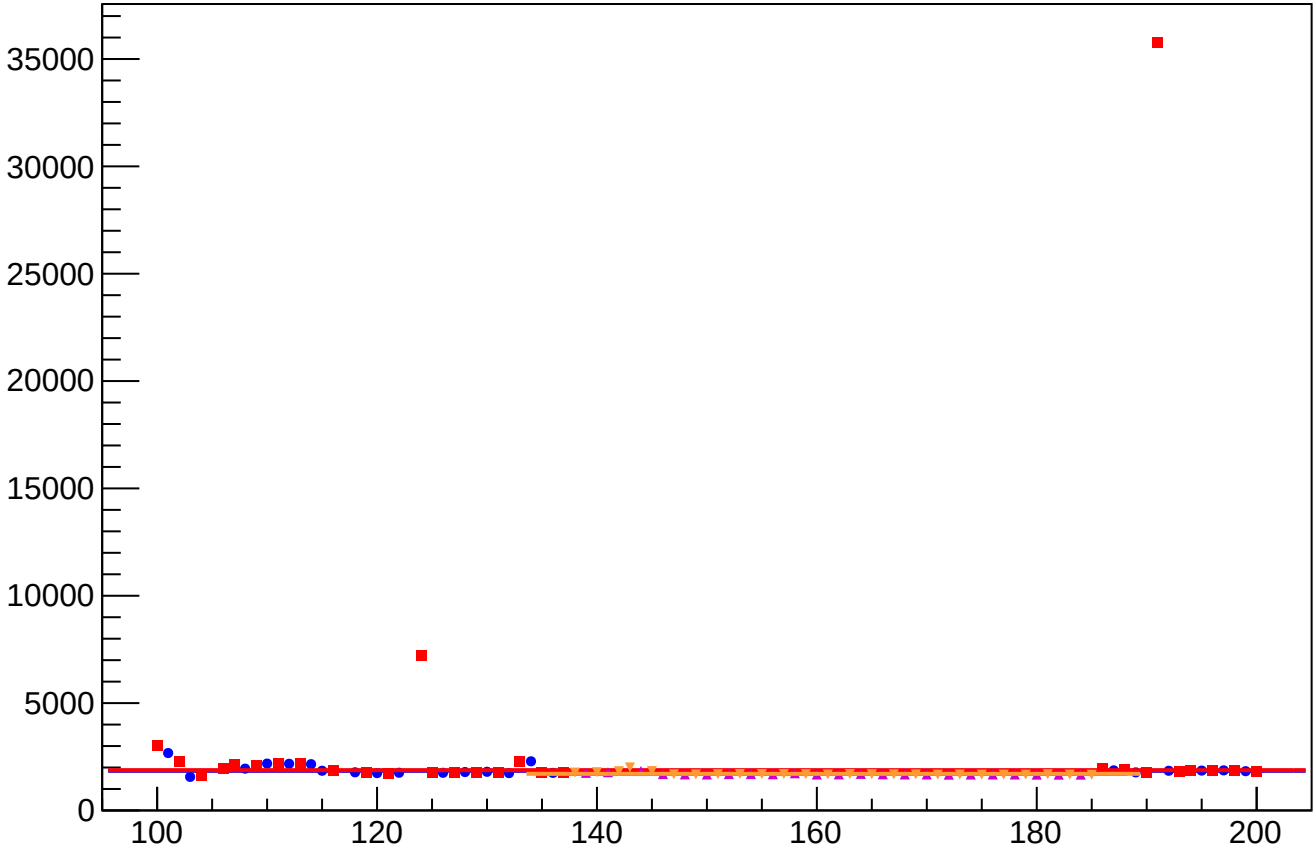
Right: -491.395+/-375.979 χ^2/NDF: 42.4/49

In: -811.616+/-320.918 χ^2/NDF:33.5/44

Out: -1.890+/-310.408 χ^2/NDF:56.1/52

All: -393.276+/-223.115 χ^2/NDF: 92.8/97

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.132+/-0.386 χ^2/NDF: 262327.1/21

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

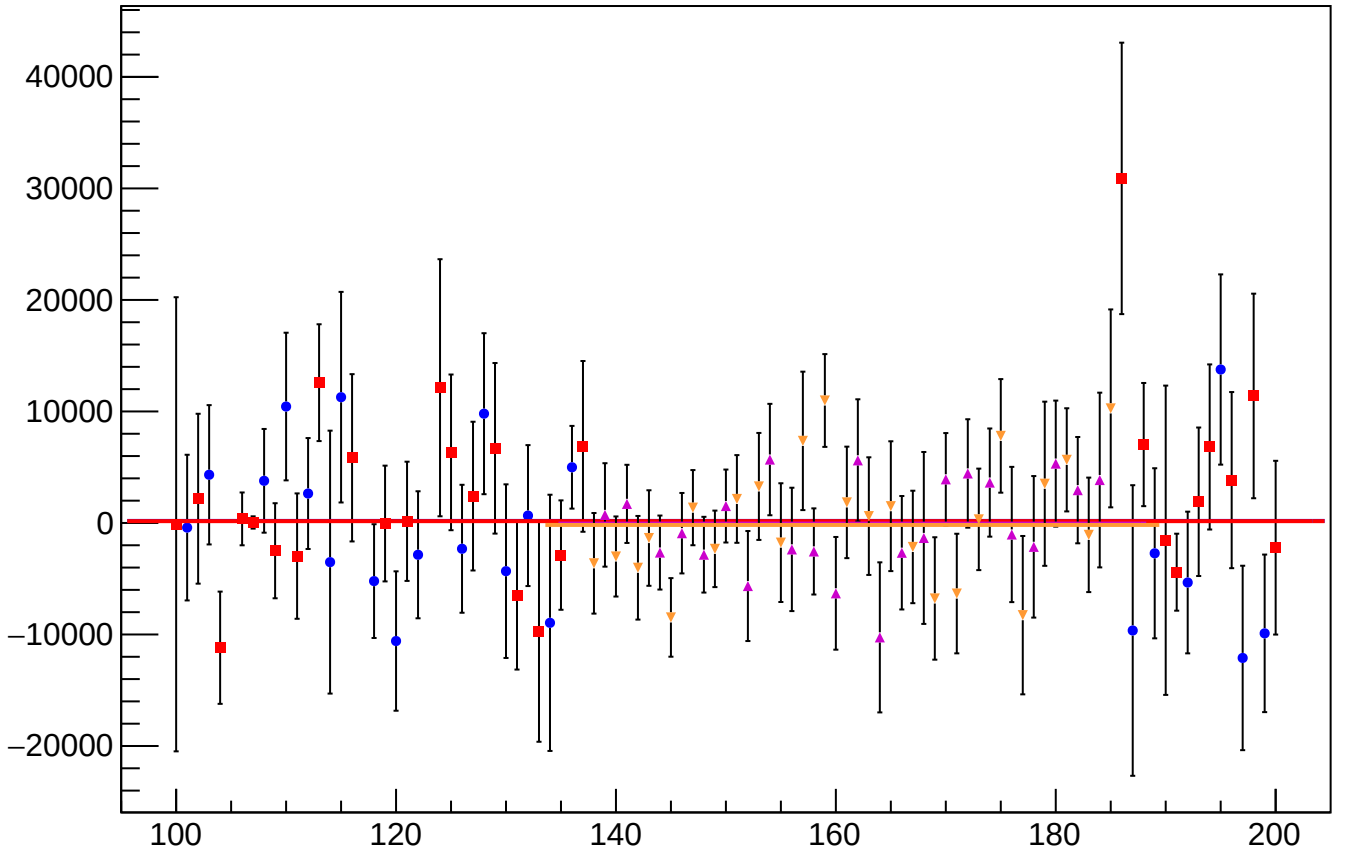
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1862.235+/-0.266 χ^2/NDF: 777040.4/49

In: 1749.093+/-0.227 χ^2/NDF:381674.2/44

Out: 1766.824+/-0.219 χ^2/NDF:710241.3/52

All: 1758.258+/-0.158 χ^2/NDF: 1095071.1/97



Right In: 183.246+/-1361.528 χ^2/NDF: 22.4/21

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

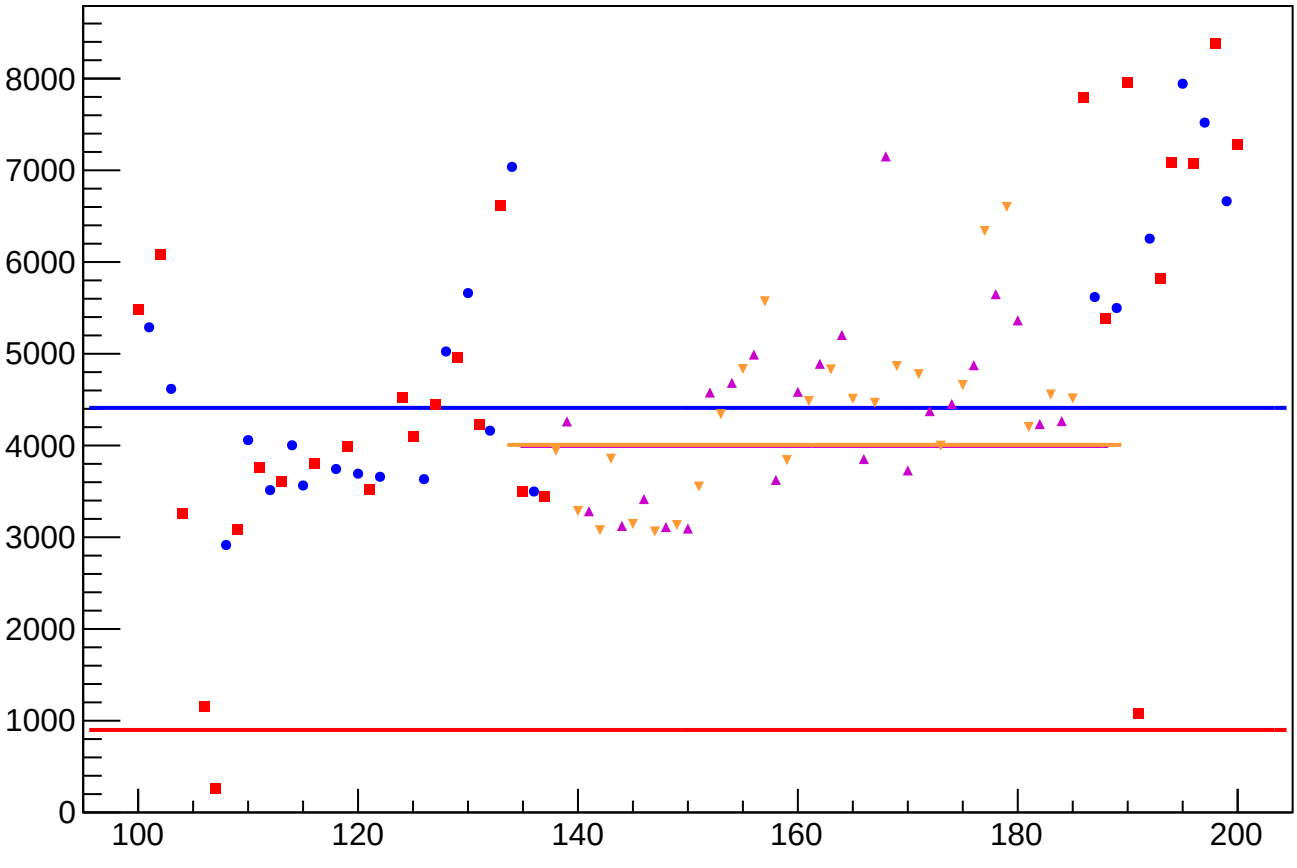
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 165.360+/-463.053 χ^2/NDF: 52.8/49

In: 22.746+/-782.607 χ^2/NDF:36.7/44

Out: 89.475+/-435.695 χ^2/NDF:58.4/52

All: 73.687+/-380.677 χ^2/NDF: 95.1/97



Right In: 4410.175+/-0.963 χ^2/NDF: 1816539.8/21

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

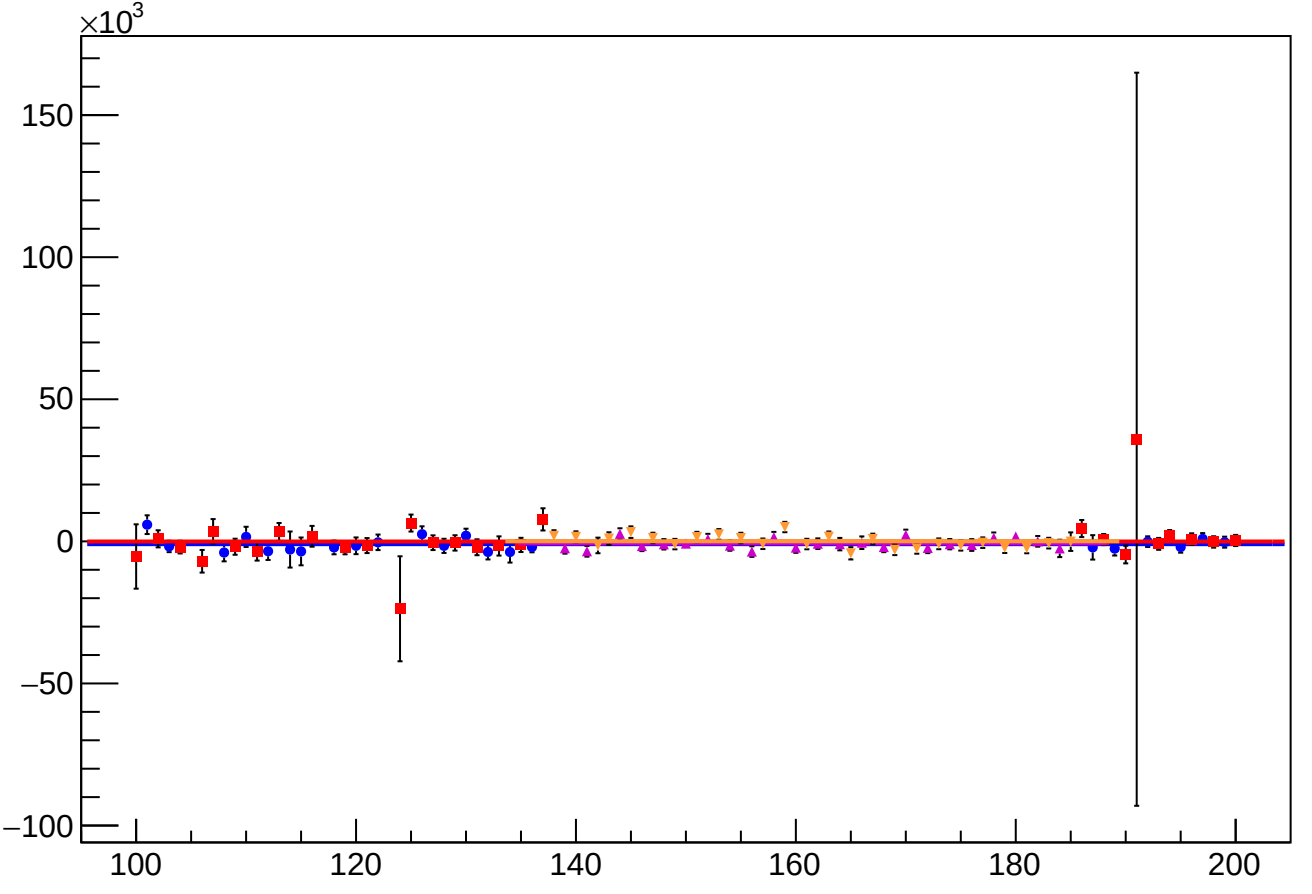
Right: 1305.347+/-0.327 χ^2/NDF: 33361024.4/49

In: 4132.154+/-0.553 χ^2/NDF:3479195.7/44

Out: 1573.867+/-0.308 χ^2/NDF:38581056.1/52

All: 2179.175+/-0.269 χ^2/NDF: 58375351.5/9

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

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

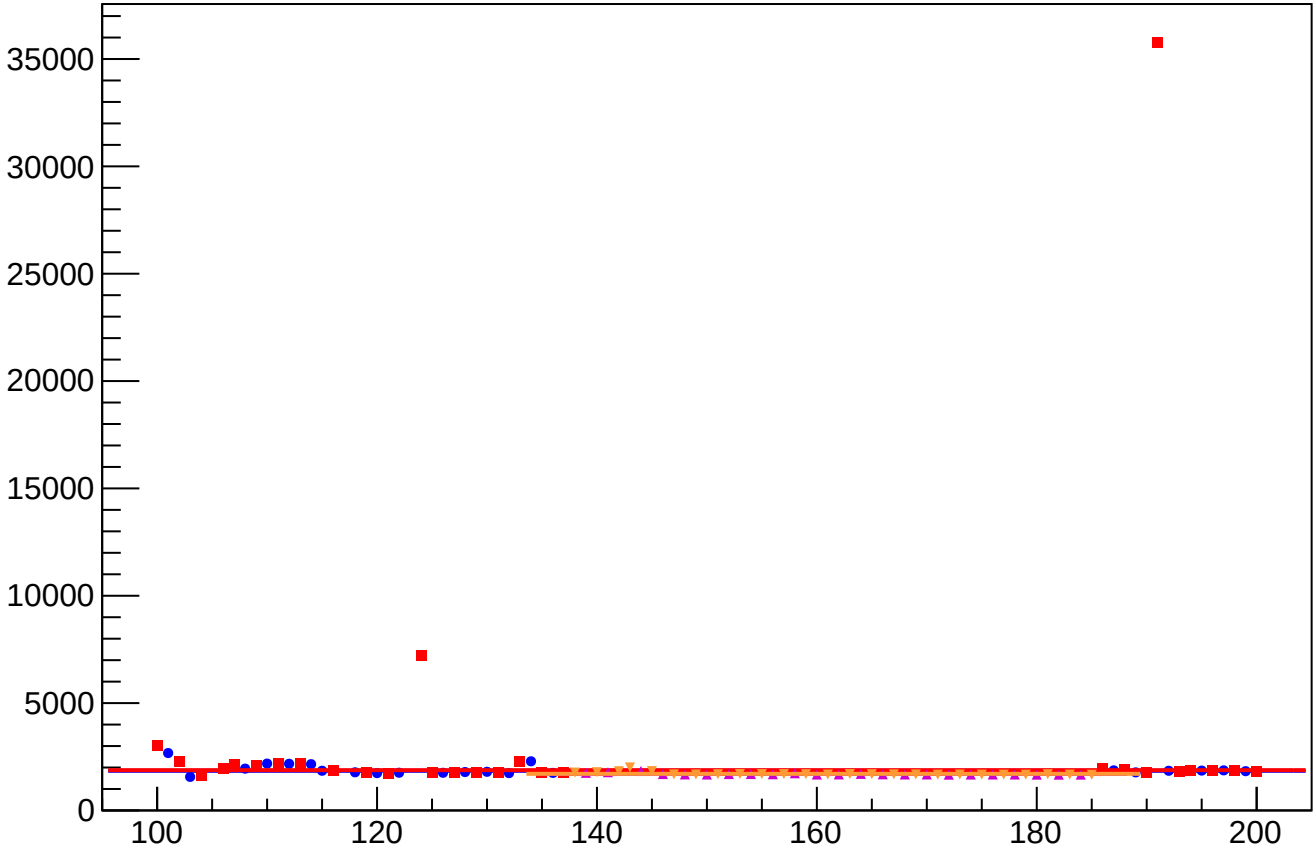
Right: -491.374+/-375.979 χ^2/NDF: 42.4/49

In: -811.450+/-320.918 χ^2/NDF:33.5/44

Out: -1.908+/-310.408 χ^2/NDF:56.1/52

All: -393.205+/-223.115 χ^2/NDF: 92.9/97

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

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

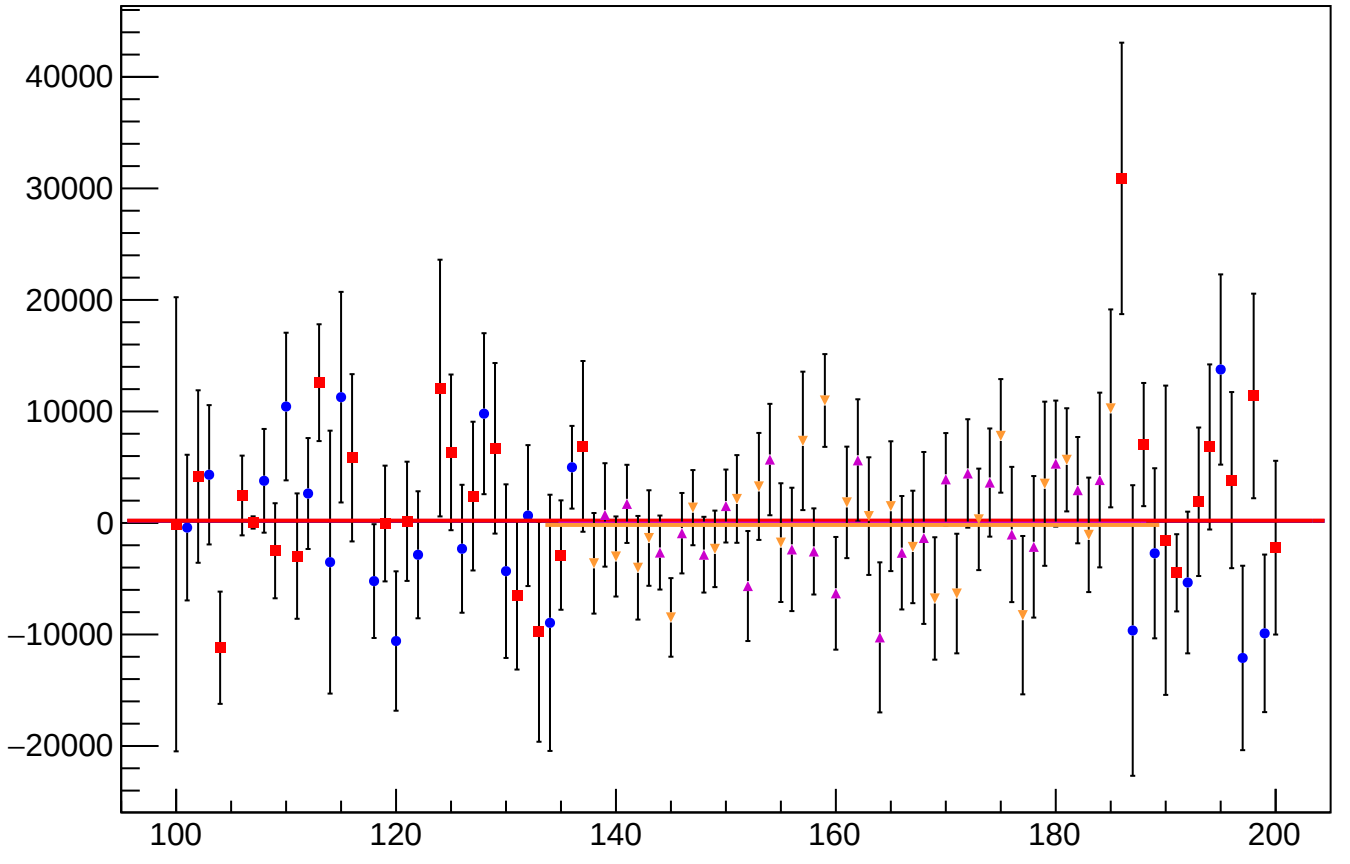
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1862.362+/-0.266 χ^2/NDF: 777359.3/49

In: 1749.093+/-0.227 χ^2/NDF:381673.6/44

Out: 1766.903+/-0.219 χ^2/NDF:710887.4/52

All: 1758.298+/-0.158 χ^2/NDF: 1095744.4/97



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

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

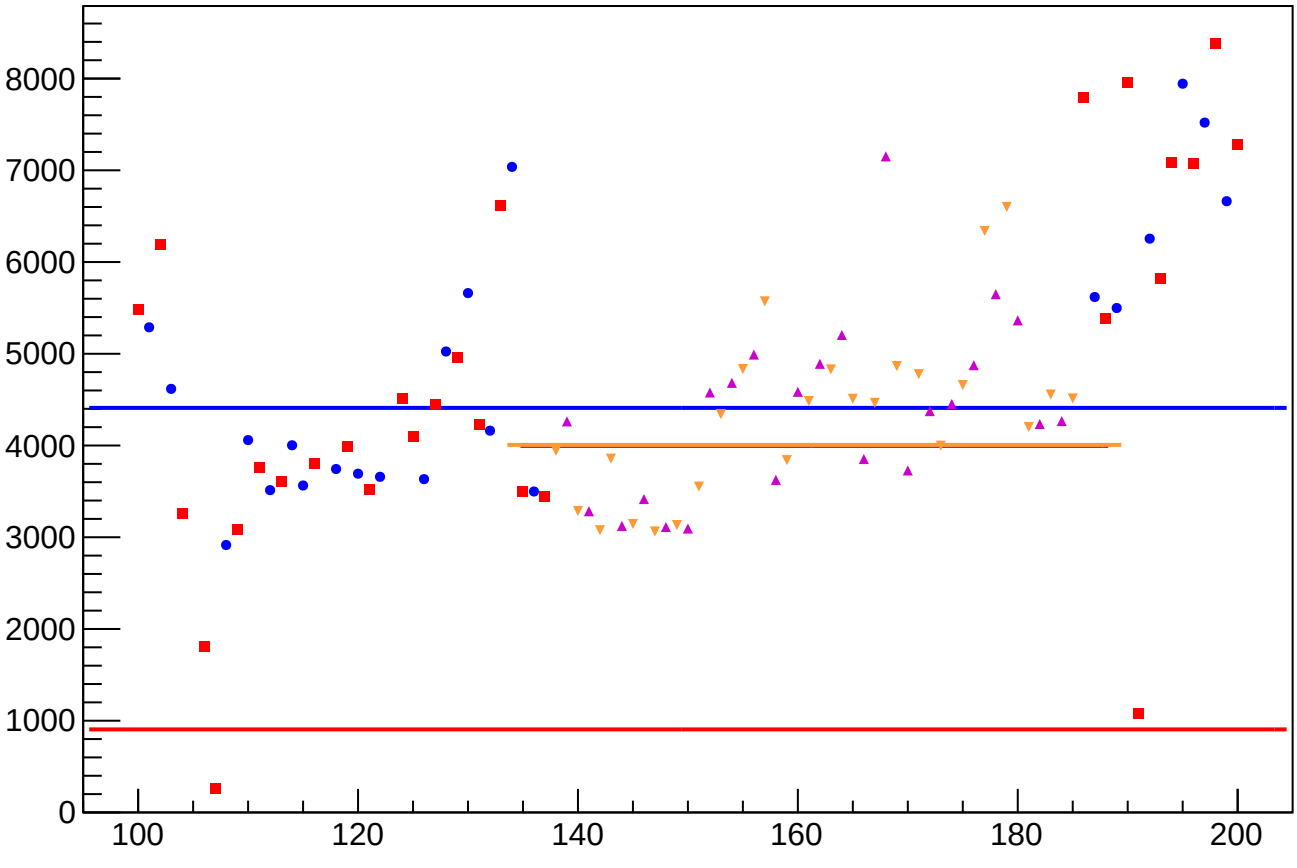
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 202.974+/-468.128 χ^2/NDF: 53.4/49

In: 22.783+/-782.607 χ^2/NDF:36.7/44

Out: 121.224+/-439.914 χ^2/NDF:59.0/52

All: 97.588+/-383.482 χ^2/NDF: 95.8/97



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

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

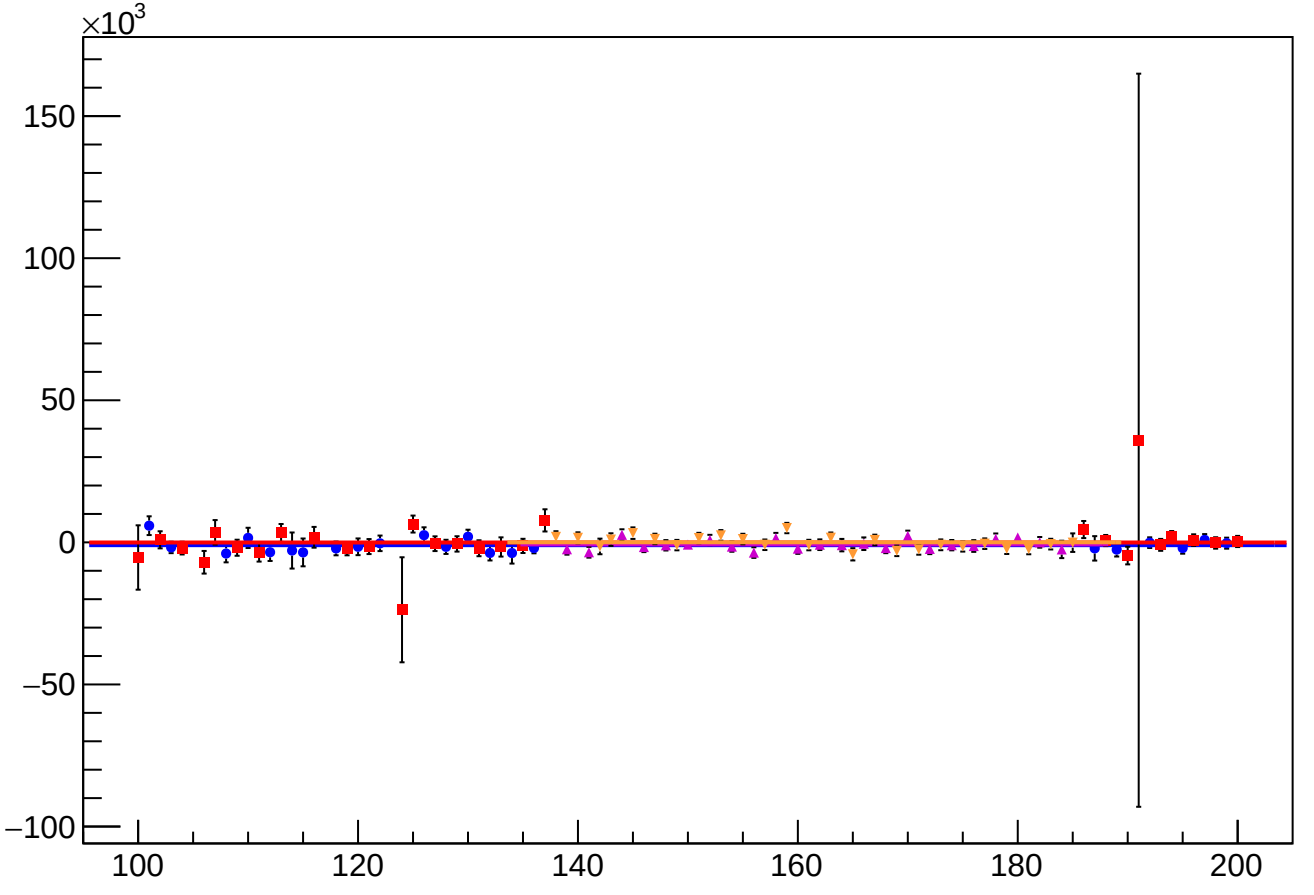
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1319.658+/-0.331 χ^2/NDF: 33403788.5/49

In: 4132.156+/-0.553 χ^2/NDF:3479205.5/44

Out: 1591.731+/-0.311 χ^2/NDF:38537694.9/52

All: 2201.701+/-0.271 χ^2/NDF: 58031214.2/9



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

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

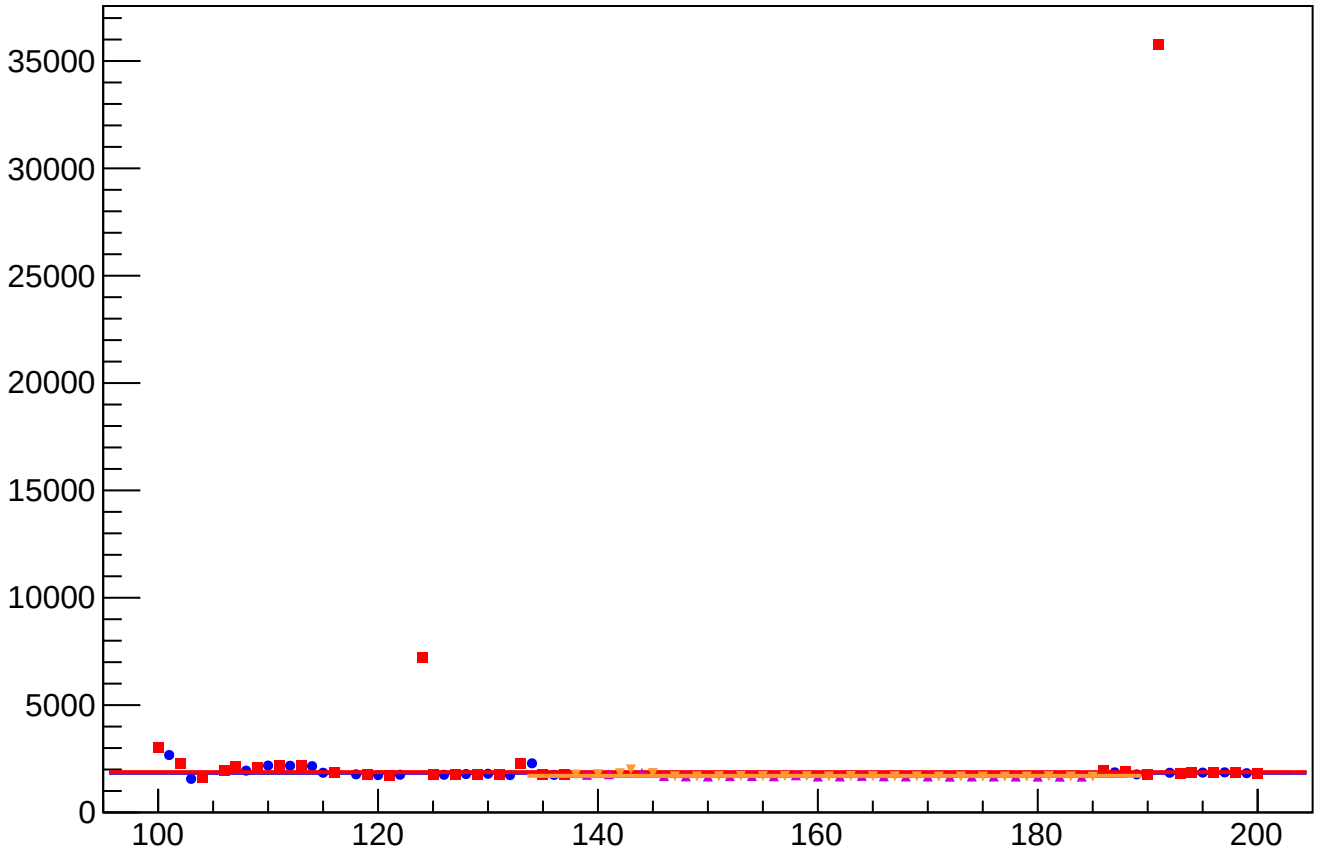
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -491.374+/-375.979 χ^2/NDF: 42.4/49

In: -811.450+/-320.918 χ^2/NDF:33.5/44

Out: -1.908+/-310.408 χ^2/NDF:56.1/52

All: -393.205+/-223.115 χ^2/NDF: 92.9/97



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

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

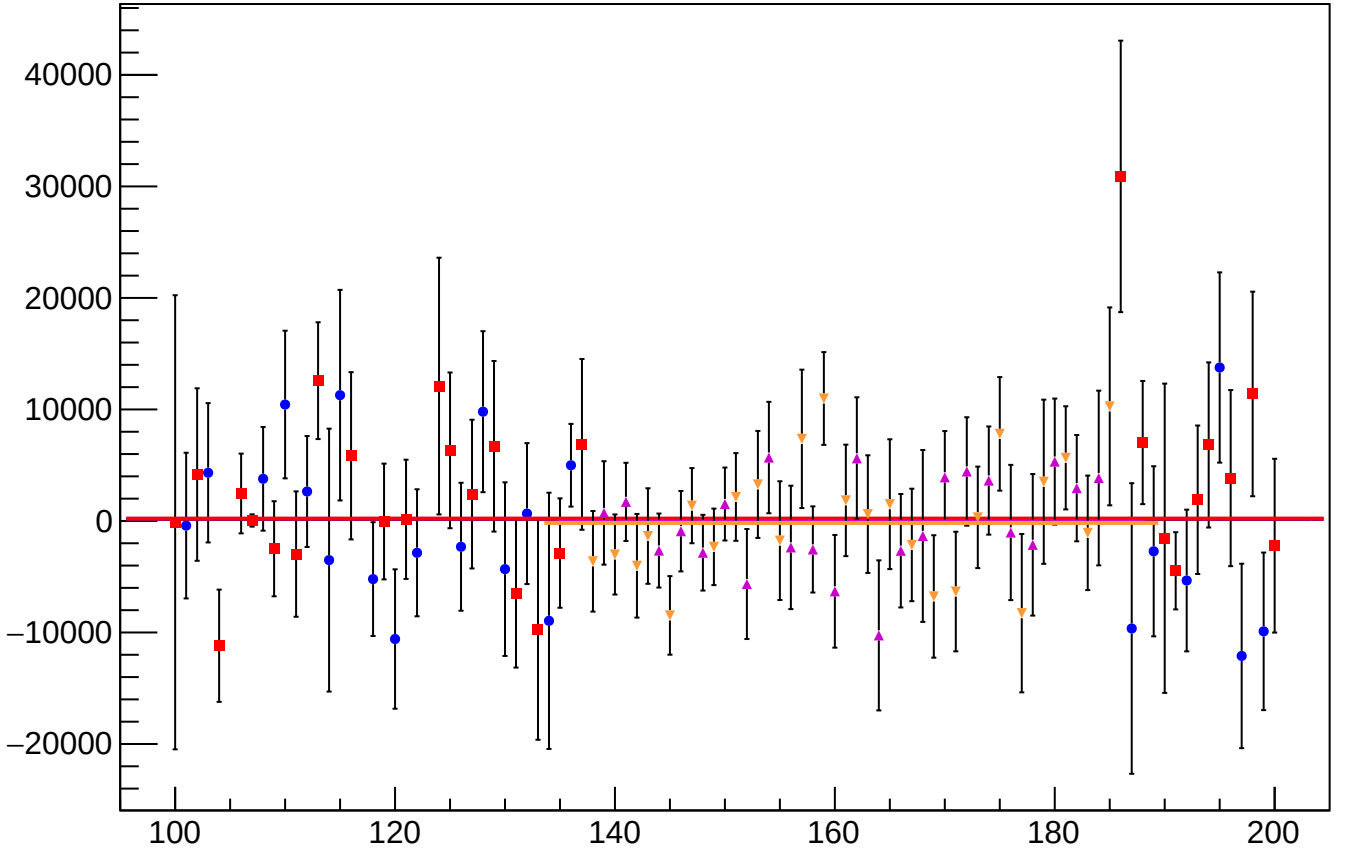
Right: 1862.362+/-0.266 χ^2/NDF: 777359.3/49

In: 1749.093+/-0.227 χ^2/NDF:381673.6/44

Out: 1766.903+/-0.219 χ^2/NDF:710887.4/52

All: 1758.298+/-0.158 χ^2/NDF: 1095744.4/97

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

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

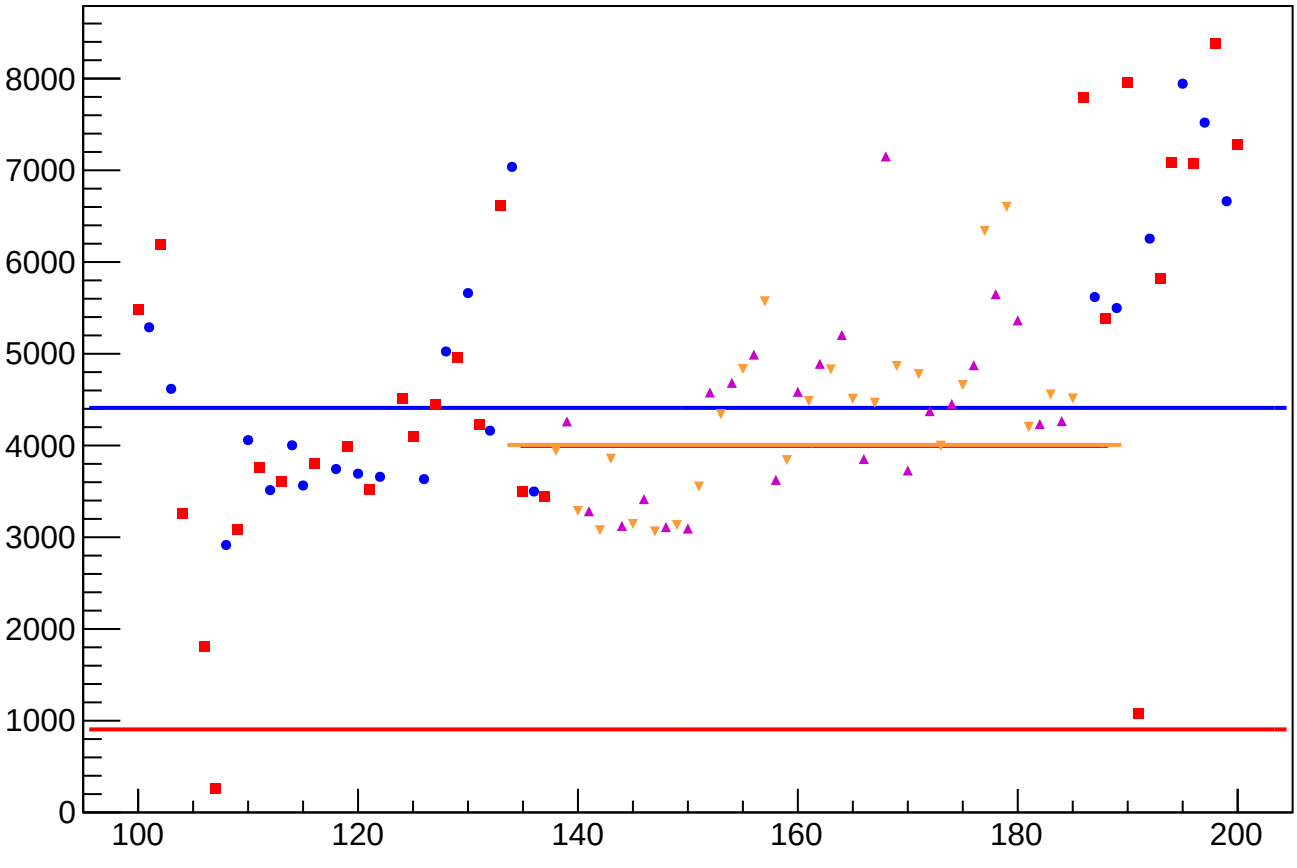
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 202.974+/-468.128 χ^2/NDF: 53.4/49

In: 22.783+/-782.607 χ^2/NDF:36.7/44

Out: 121.224+/-439.914 χ^2/NDF:59.0/52

All: 97.588+/-383.482 χ^2/NDF: 95.8/97



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

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

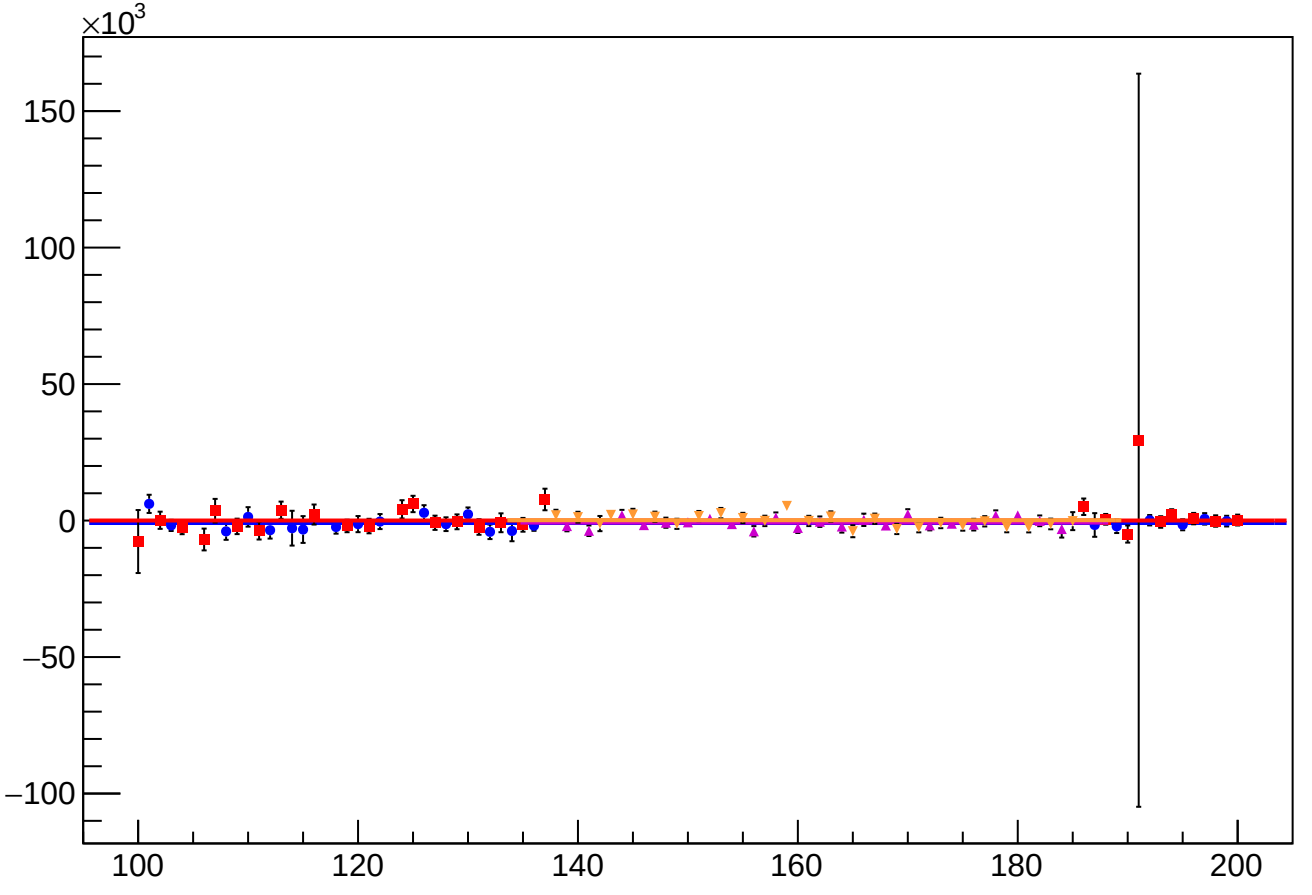
Right: 1319.658+/-0.331 χ^2/NDF: 33403788.5/49

In: 4132.156+/-0.553 χ^2/NDF:3479205.5/44

Out: 1591.731+/-0.311 χ^2/NDF:38537694.9/52

All: 2201.701+/-0.271 χ^2/NDF: 58031214.2/9

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -893.226+/-552.619 χ^2/NDF: 14.6/21

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

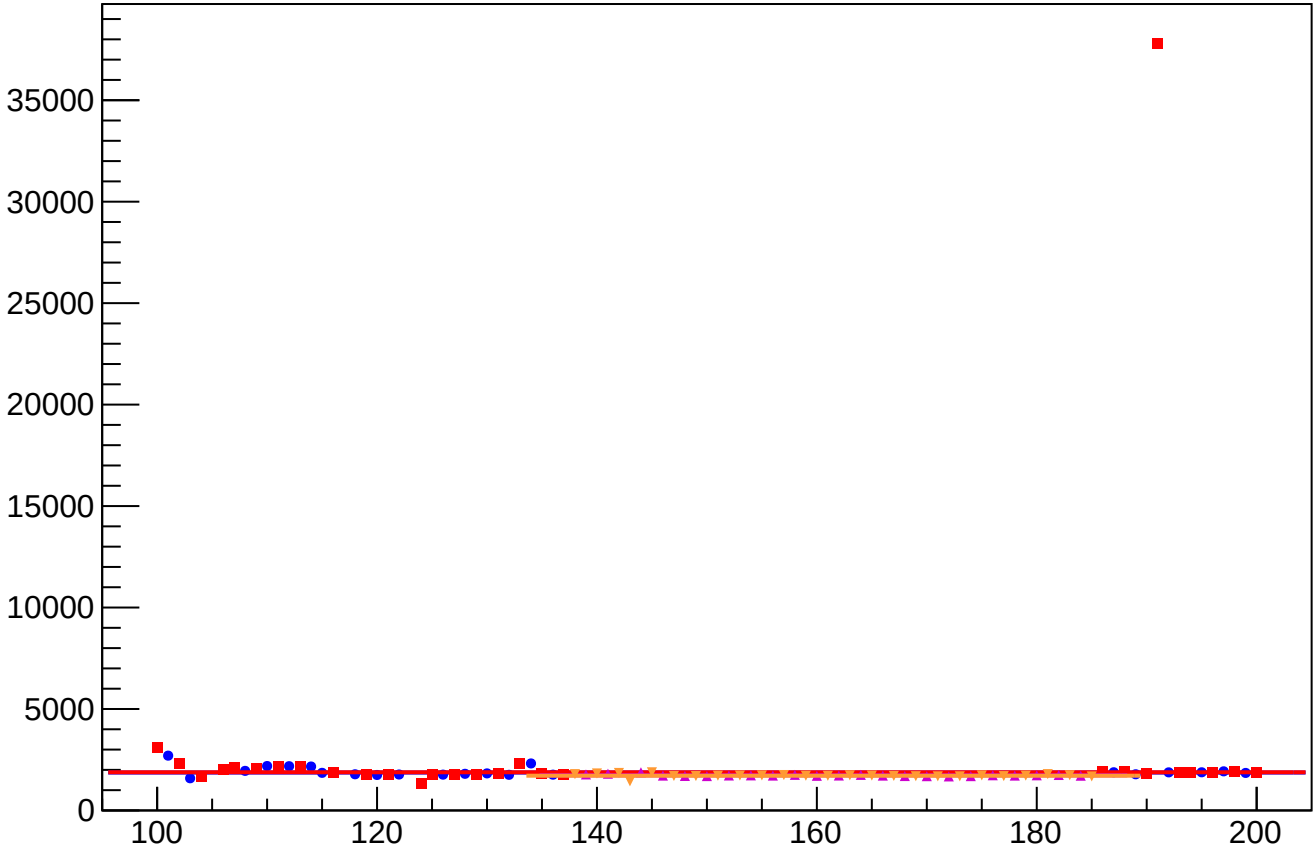
Right: -408.143+/-378.283 χ^2/NDF: 44.0/49

In: -794.172+/-326.225 χ^2/NDF:33.6/44

Out: 83.788+/-311.488 χ^2/NDF:57.7/52

All: -334.915+/-225.285 χ^2/NDF: 95.1/97

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.9/21

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

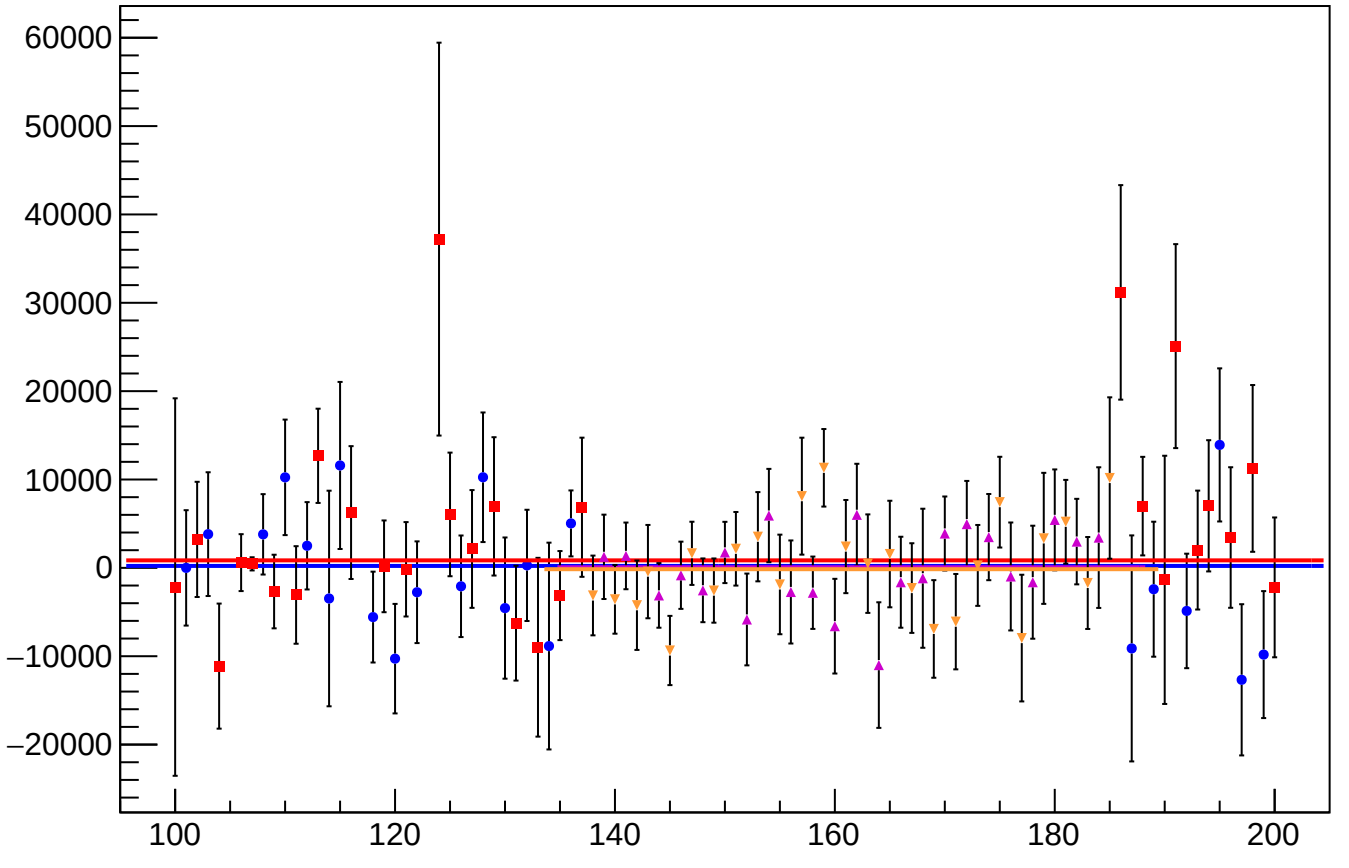
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1875.001+/-0.267 χ^2/NDF: 670656.7/49

In: 1778.089+/-0.231 χ^2/NDF:363804.5/44

Out: 1773.393+/-0.220 χ^2/NDF:640169.6/52

All: 1775.632+/-0.159 χ^2/NDF: 1004191.0/97



Right In: 219.660+/-1372.689 χ^2/NDF: 22.0/21

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

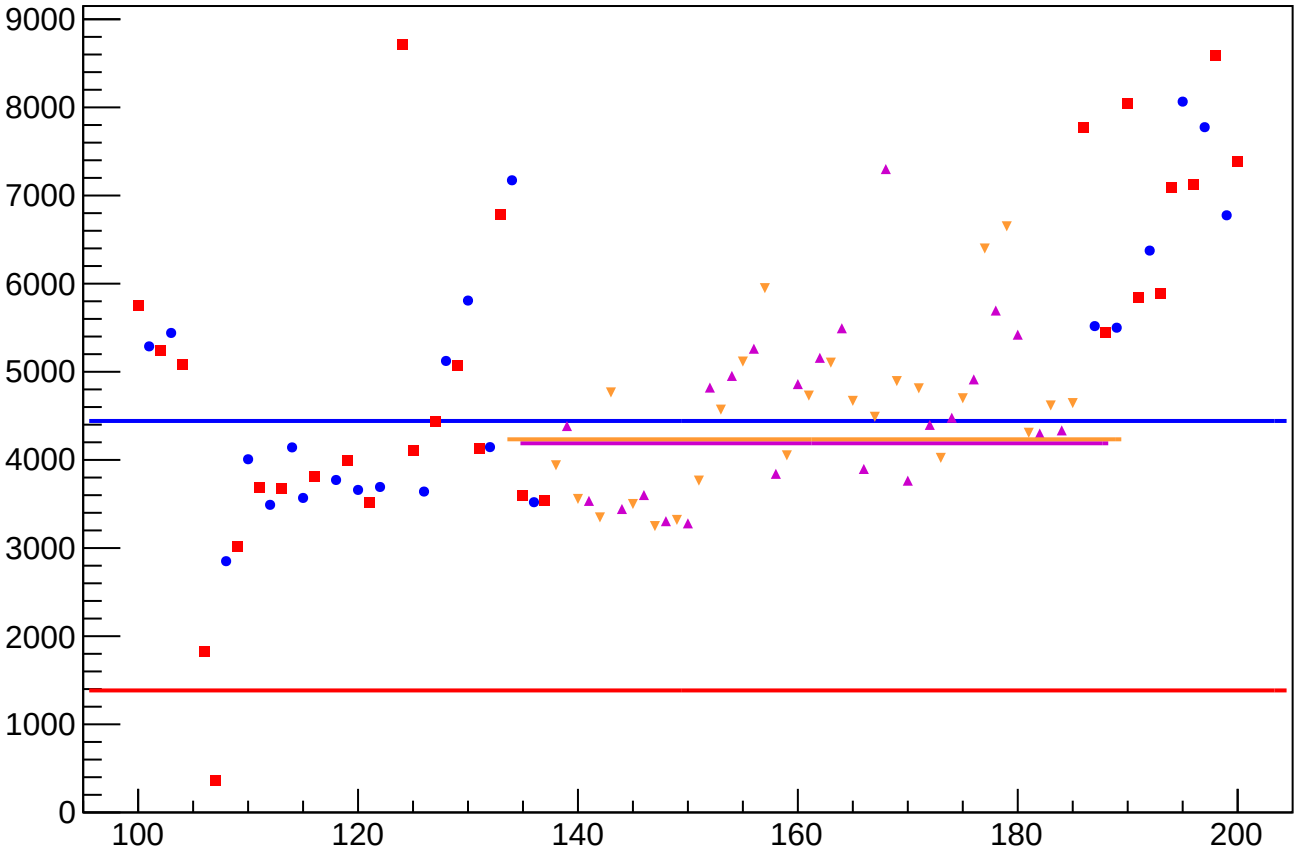
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 736.350+/-580.112 χ^2/NDF: 53.5/49

In: 118.740+/-808.321 χ^2/NDF:36.0/44

Out: 552.125+/-536.710 χ^2/NDF:58.9/52

All: 419.520+/-447.123 χ^2/NDF: 95.1/97



Right In: 4442.057+/-0.971 χ^2/NDF: 1964426.4/21

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

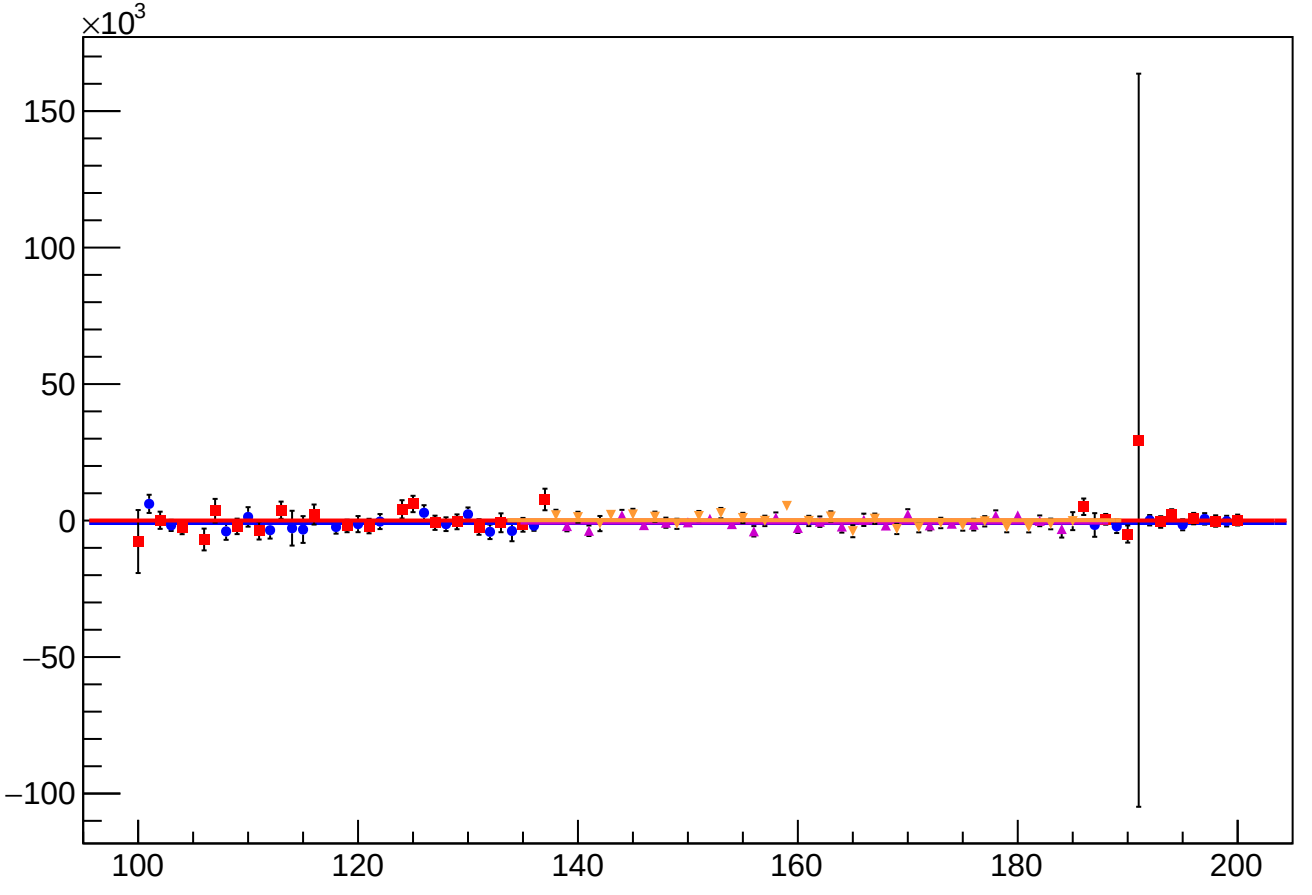
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1930.570+/-0.410 χ^2/NDF: 27910173.7/49

In: 4276.666+/-0.572 χ^2/NDF:3353474.1/44

Out: 2230.505+/-0.380 χ^2/NDF:30847662.3/52

All: 2856.581+/-0.316 χ^2/NDF: 43095532.3/9



Right In: -893.229+/-552.619 χ^2/NDF: 14.6/21

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

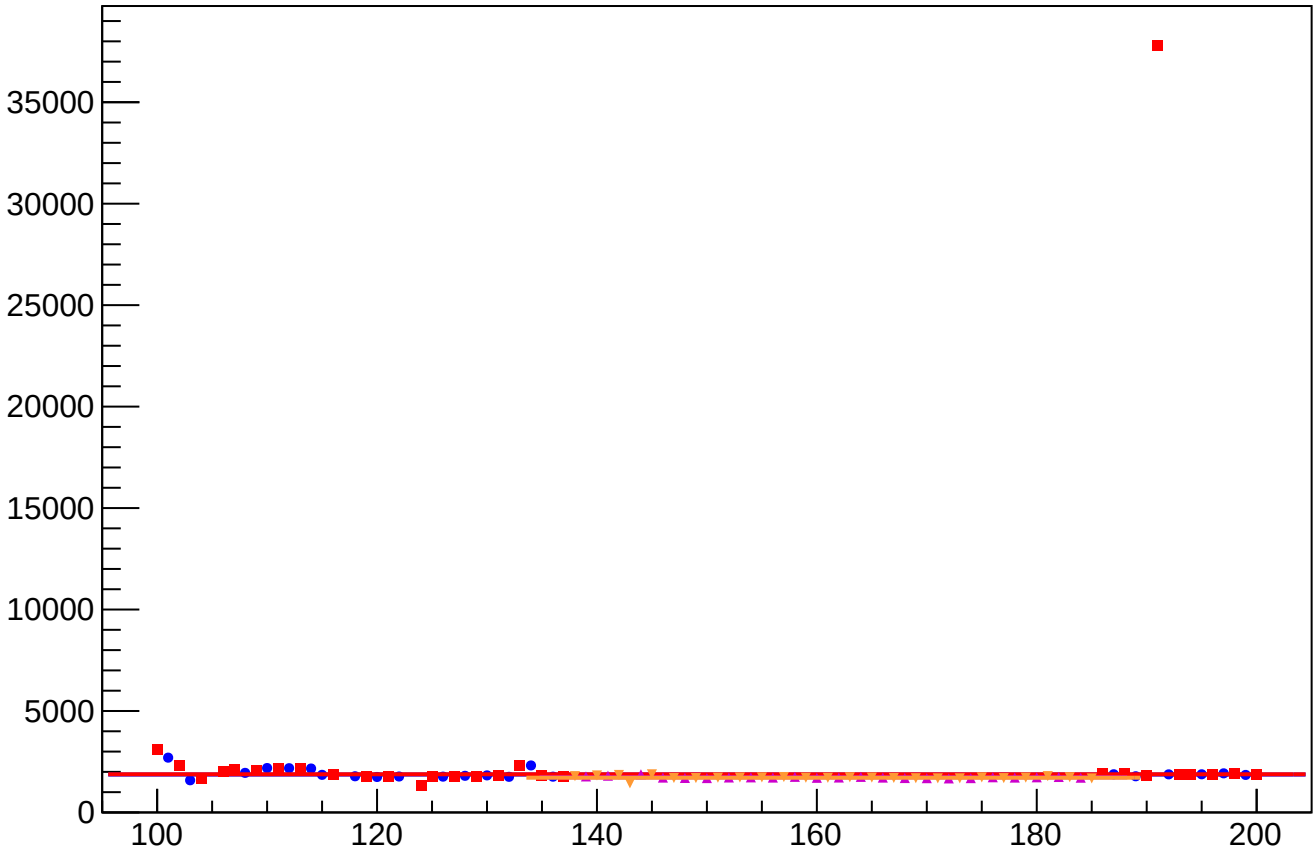
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -408.146+/-378.283 χ^2/NDF: 44.0/49

In: -794.173+/-326.225 χ^2/NDF:33.6/44

Out: 83.789+/-311.488 χ^2/NDF:57.7/52

All: -334.914+/-225.285 χ^2/NDF: 95.1/97



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.8/21

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

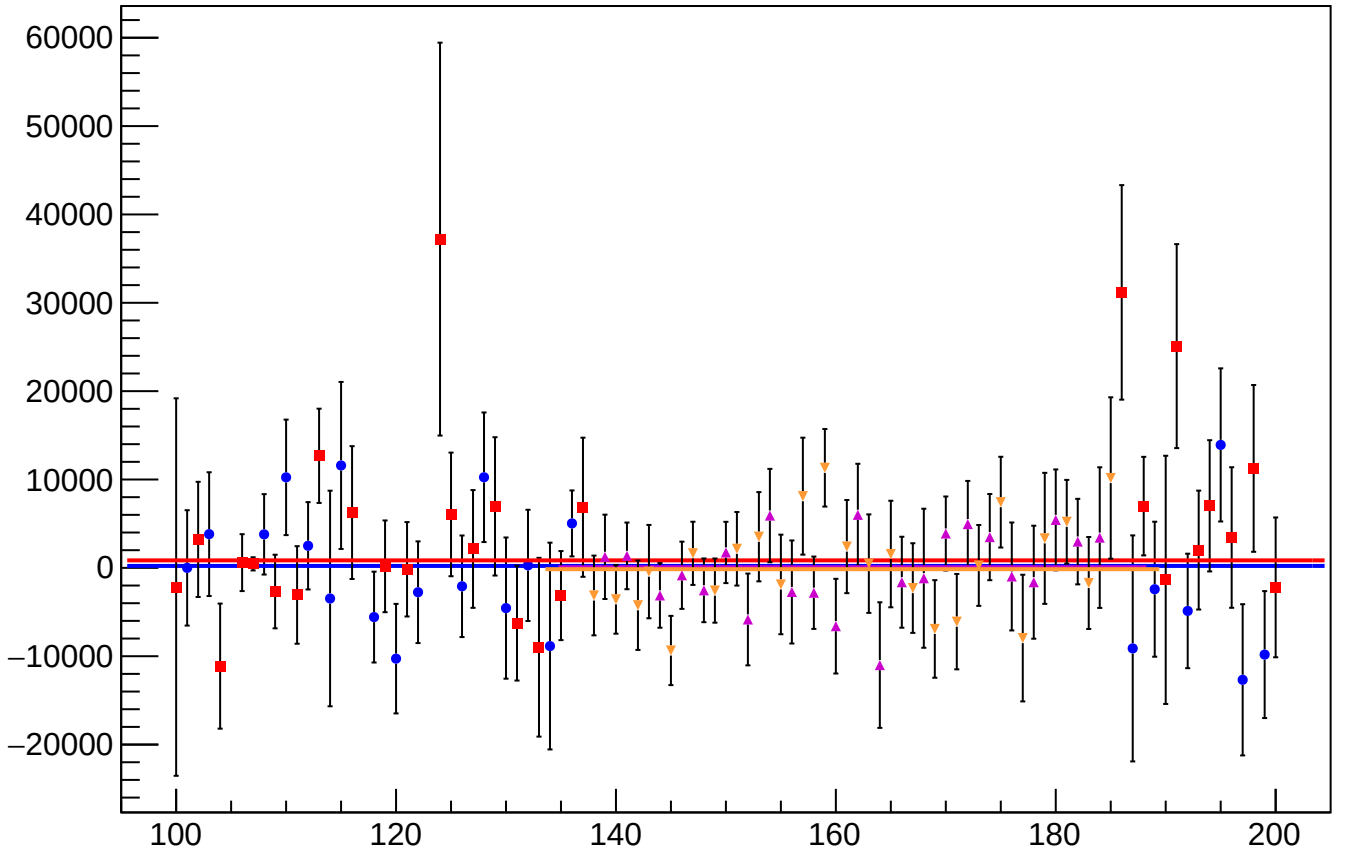
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1875.001+/-0.267 χ^2/NDF: 670657.0/49

In: 1778.090+/-0.231 χ^2/NDF:363803.6/44

Out: 1773.393+/-0.220 χ^2/NDF:640168.2/52

All: 1775.633+/-0.159 χ^2/NDF: 1004188.7/97



Right In: 219.647+/-1372.687 χ^2/NDF: 22.0/21

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

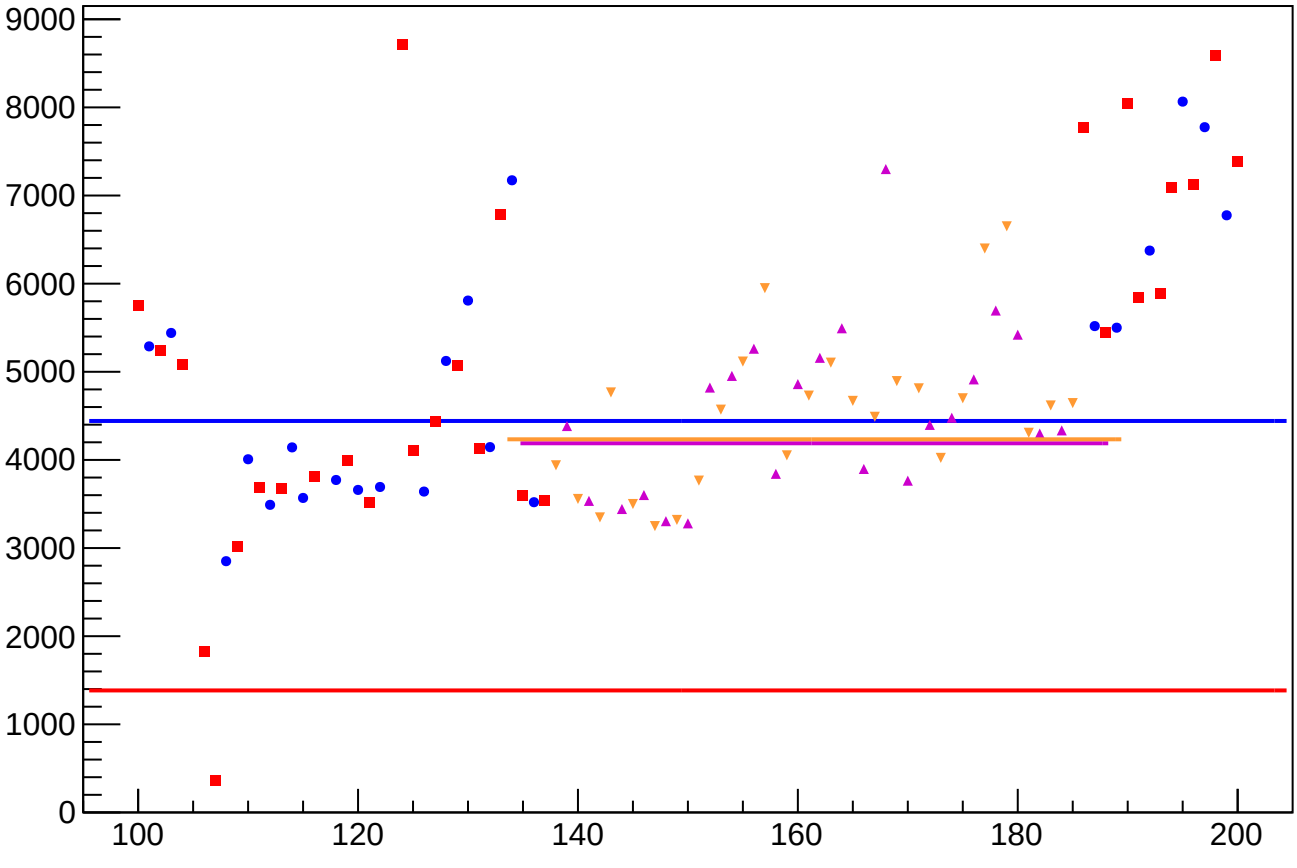
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 736.360+/-580.119 χ^2/NDF: 53.5/49

In: 118.737+/-808.322 χ^2/NDF:36.0/44

Out: 552.131+/-536.717 χ^2/NDF:58.9/52

All: 419.521+/-447.127 χ^2/NDF: 95.1/97



Right In: 4442.051+/-0.971 χ^2/NDF: 1964434.8/21

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

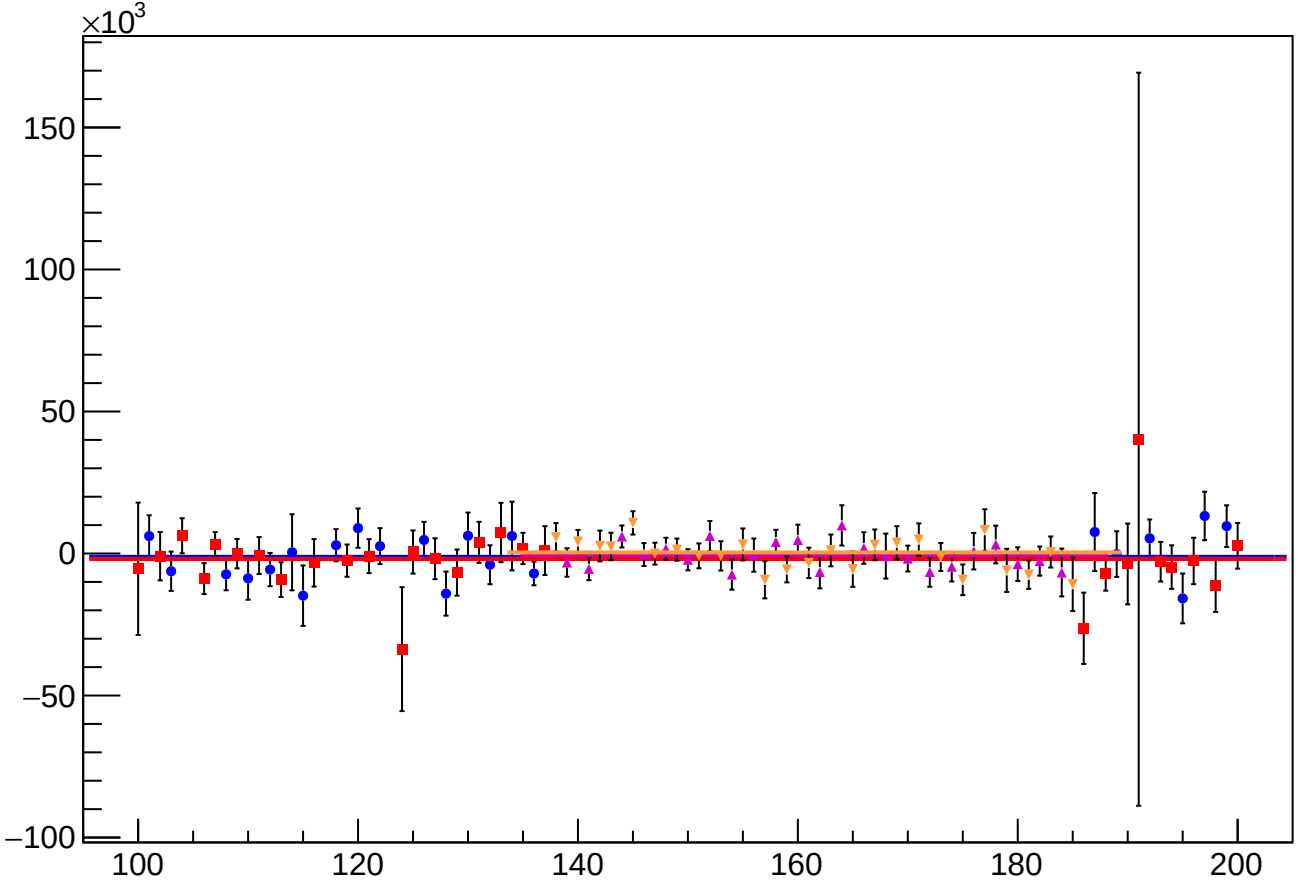
Right: 1930.615+/-0.410 χ^2/NDF: 27909687.2/49

In: 4276.669+/-0.572 χ^2/NDF:3353483.2/44

Out: 2230.551+/-0.380 χ^2/NDF:30847034.8/52

All: 2856.622+/-0.316 χ^2/NDF: 43094467.4/9

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1167.207+/-1505.477 χ^2/NDF: 25.2/21

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

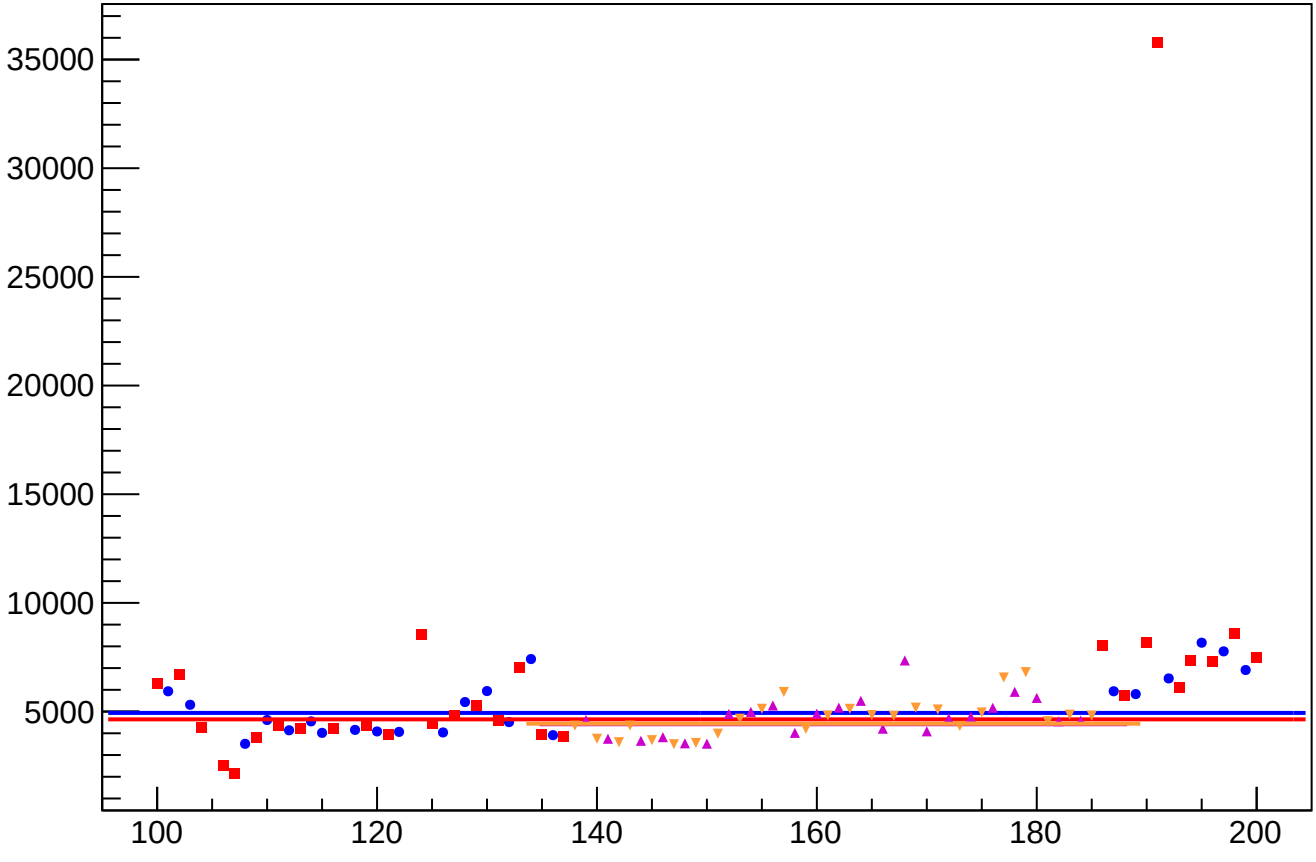
Right: -1590.494+/-1010.822 χ^2/NDF: 42.6/49

In: -720.274+/-861.047 χ^2/NDF:42.7/44

Out: -448.435+/-821.175 χ^2/NDF:43.8/52

All: -577.915+/-594.254 χ^2/NDF: 86.6/97

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4937.203+/-1.065 χ^2/NDF: 1412974.5/21

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

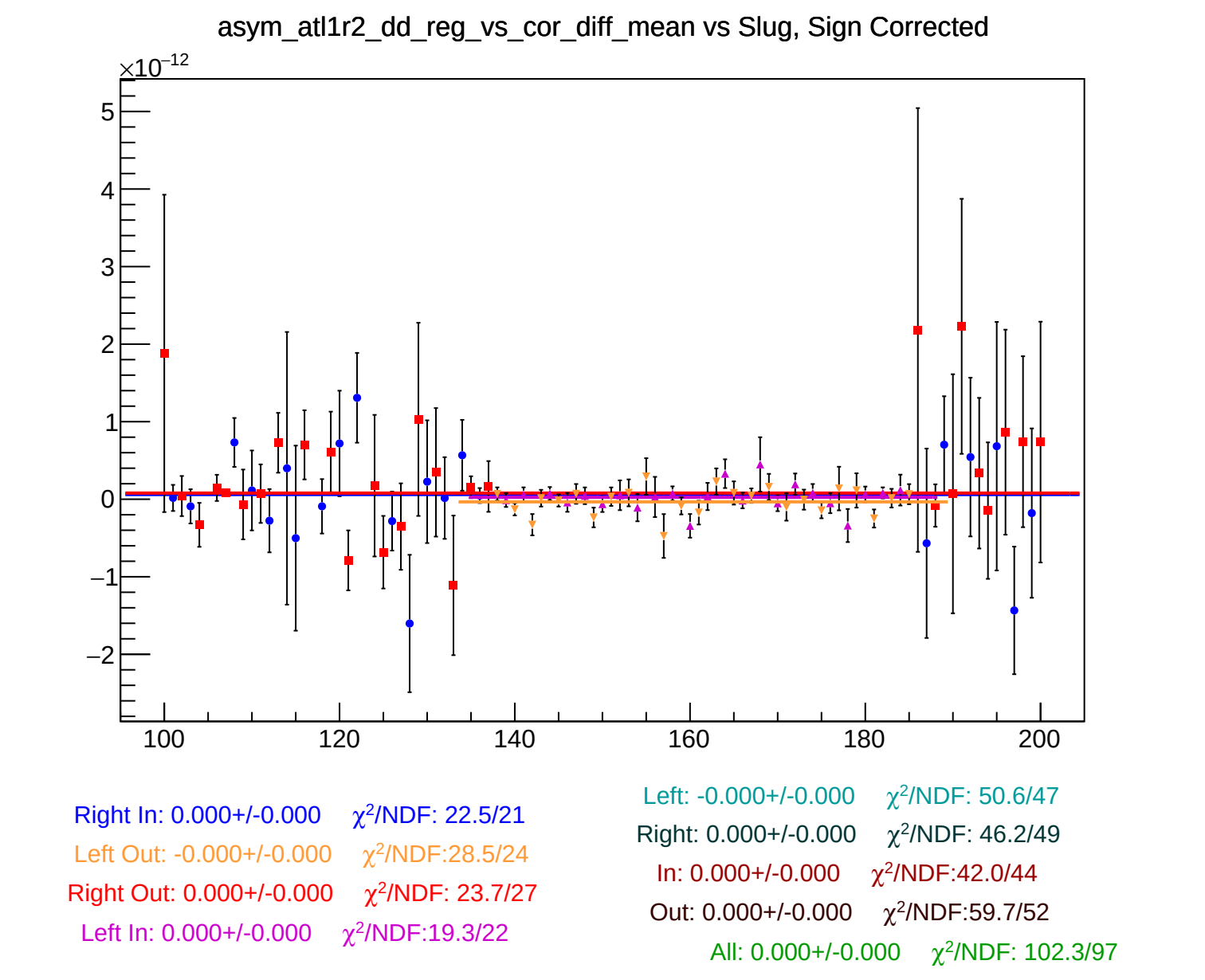
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

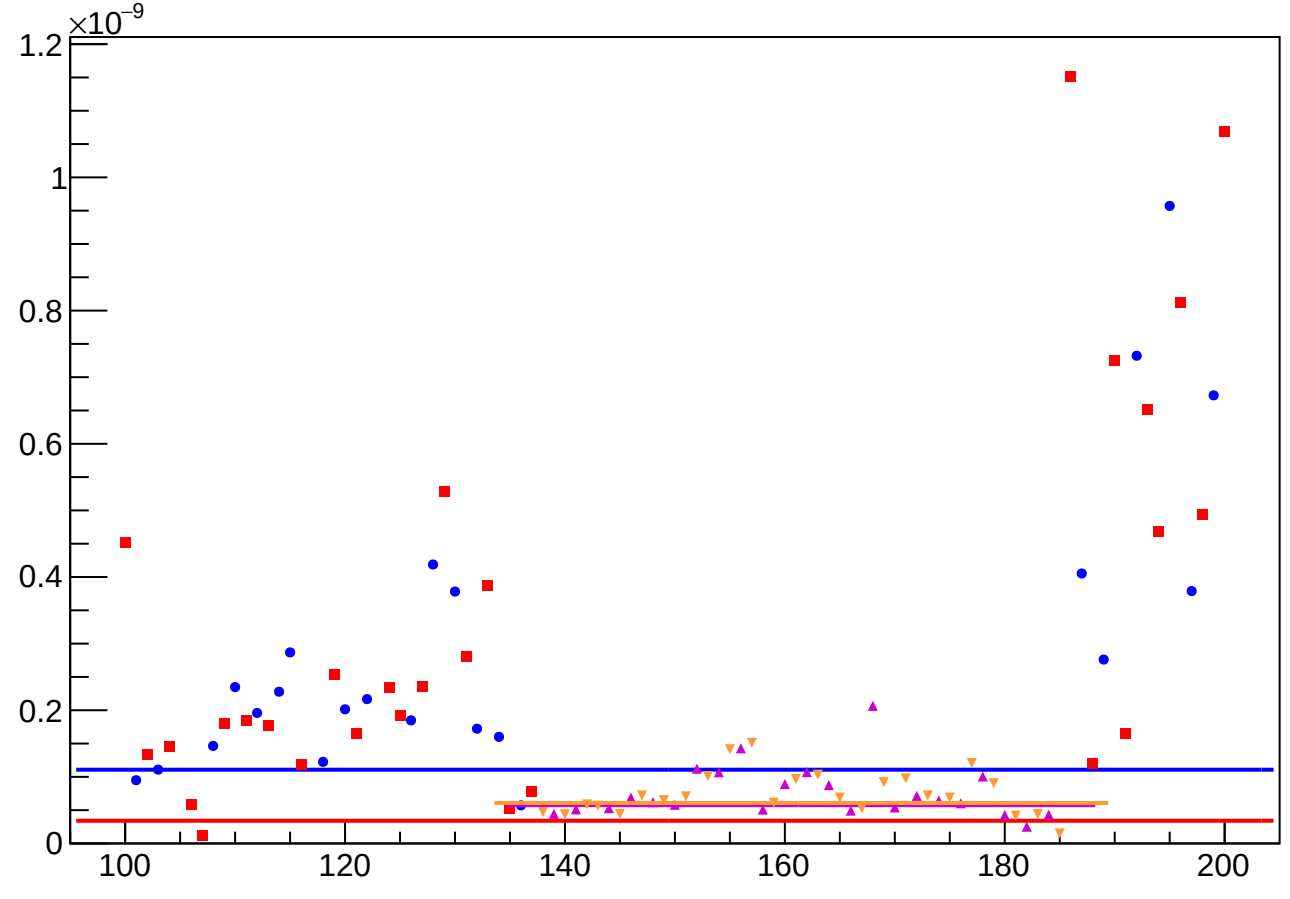
Right: 4773.362+/-0.712 χ^2/NDF: 4587092.2/49

In: 4586.069+/-0.609 χ^2/NDF:2686077.8/44

Out: 4514.065+/-0.579 χ^2/NDF:4232125.8/52

All: 4548.260+/-0.420 χ^2/NDF: 6925547.5/97


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: 22.5/21
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: 46.2/49
In: 0.000+/-0.000 χ²/NDF:42.0/44
Out: 0.000+/-0.000 χ²/NDF:59.7/52
All: 0.000+/-0.000 χ²/NDF: 102.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 3910733.3/21

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

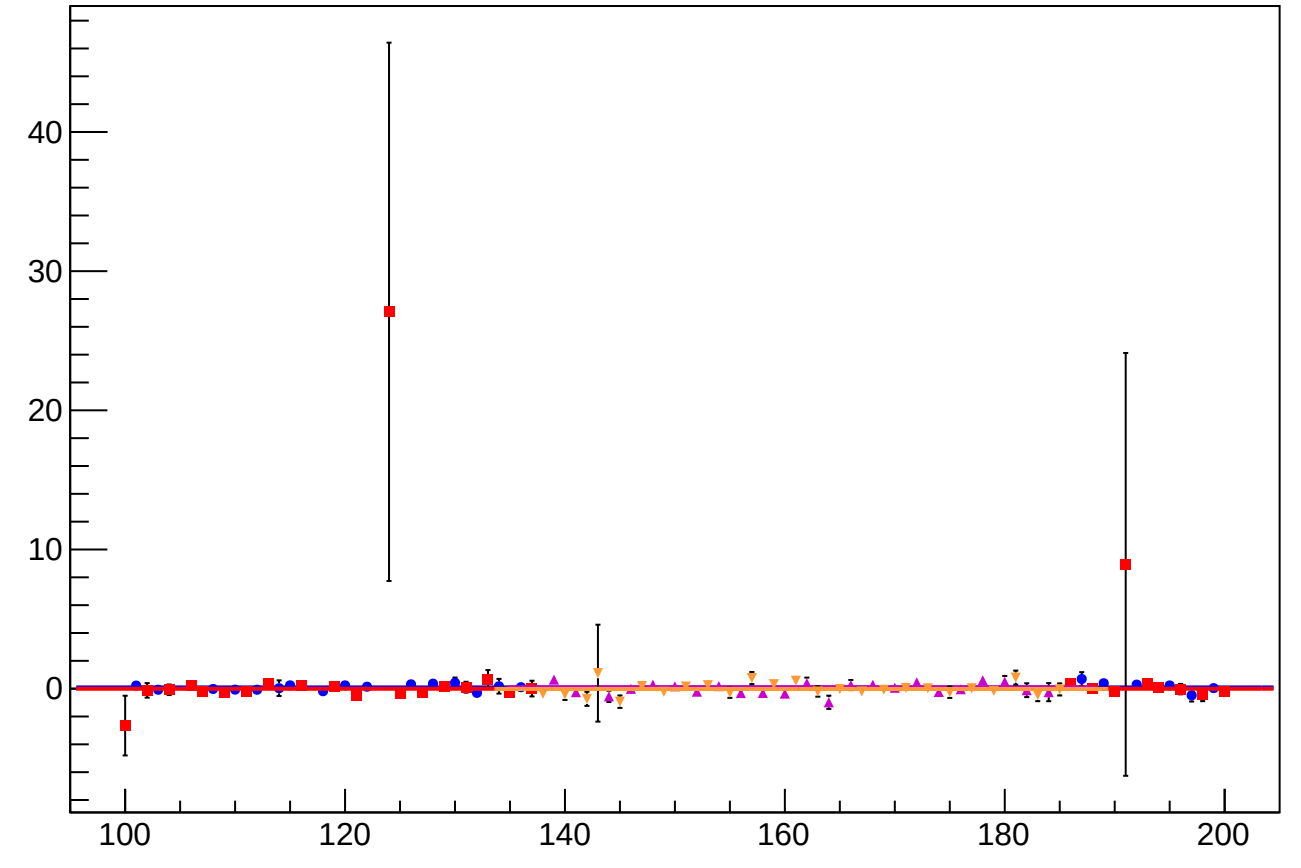
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14557027.9/49

In: 0.000+/-0.000 χ^2/NDF:6903479.7/44

Out: 0.000+/-0.000 χ^2/NDF:11105218.8/52

All: 0.000+/-0.000 χ^2/NDF: 18351027.0/97



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

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

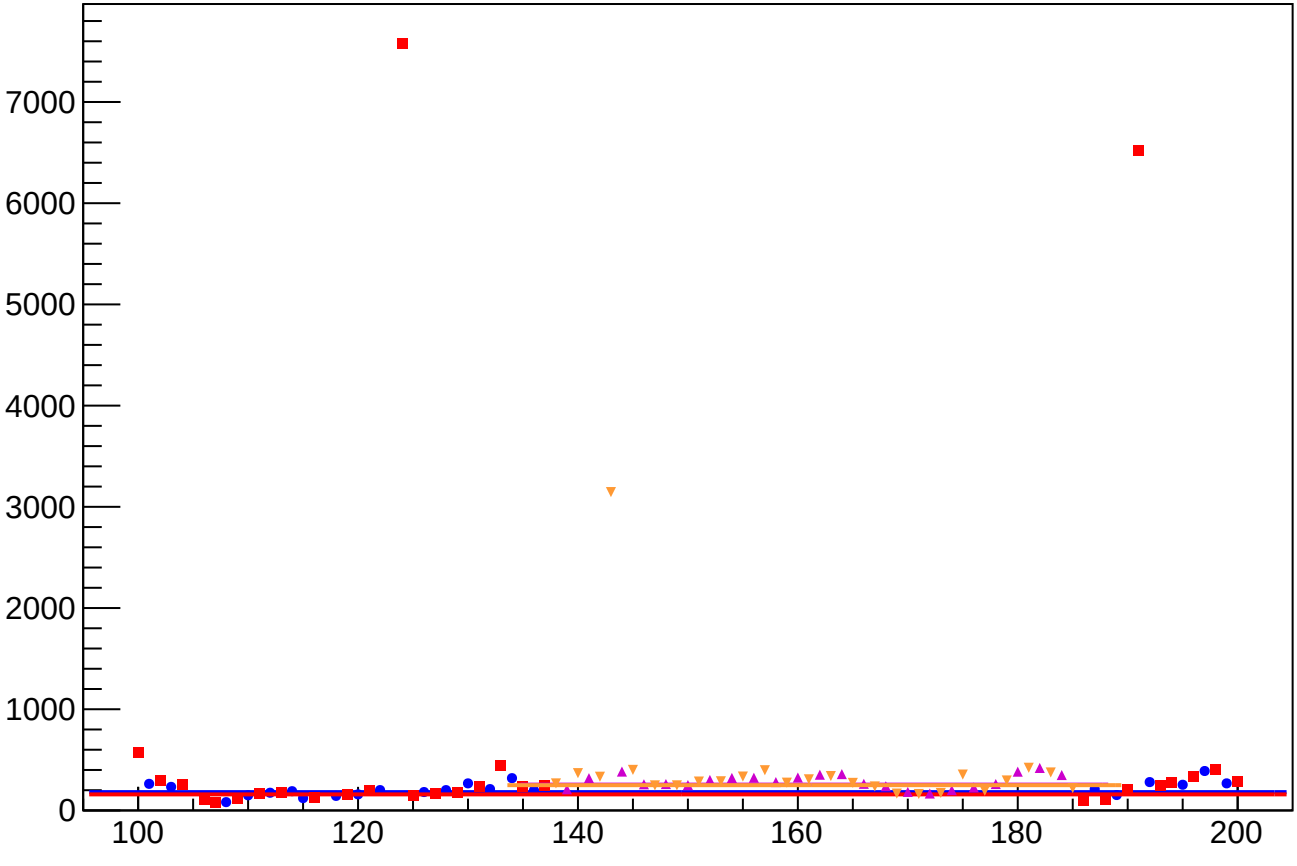
Right: 0.035+/-0.038 χ^2/NDF: 43.0/49

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/97

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

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

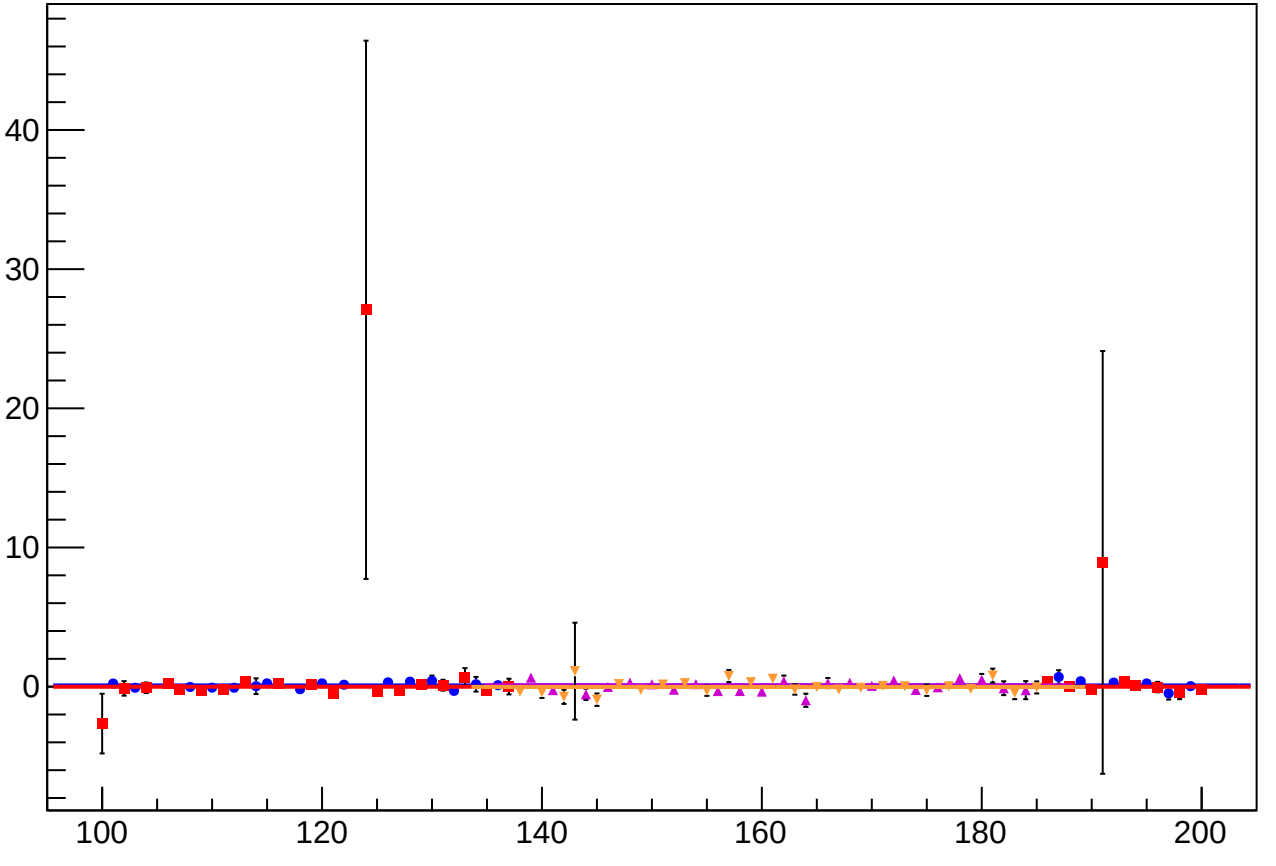
Right: 168.274+/-0.027 χ^2/NDF: 7563834.6/49

In: 215.377+/-0.030 χ^2/NDF:6222790.6/44

Out: 194.942+/-0.027 χ^2/NDF:11642607.2/52

All: 204.160+/-0.020 χ^2/NDF: 18115556.3/97

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

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

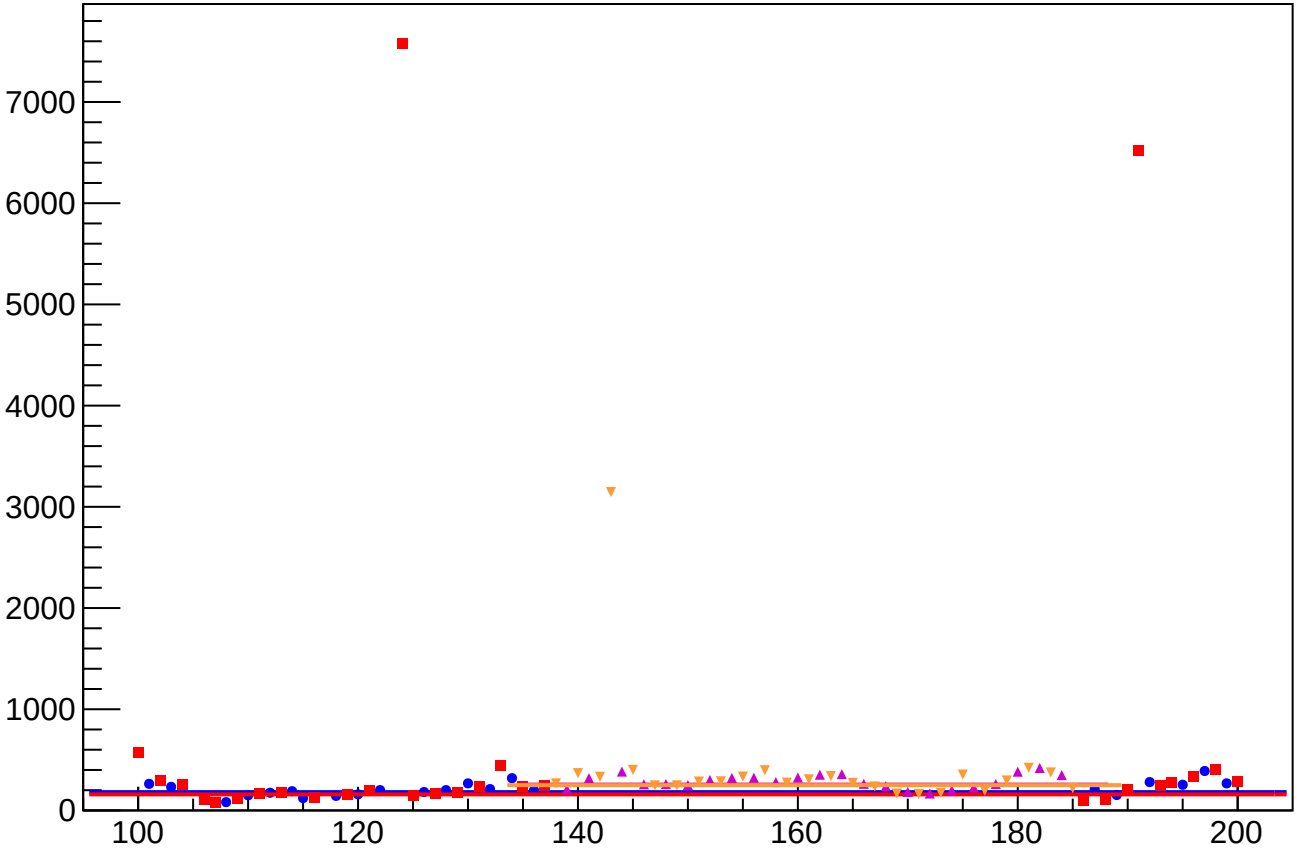
Right: 0.035+/-0.038 χ^2/NDF: 43.0/49

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/97

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

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

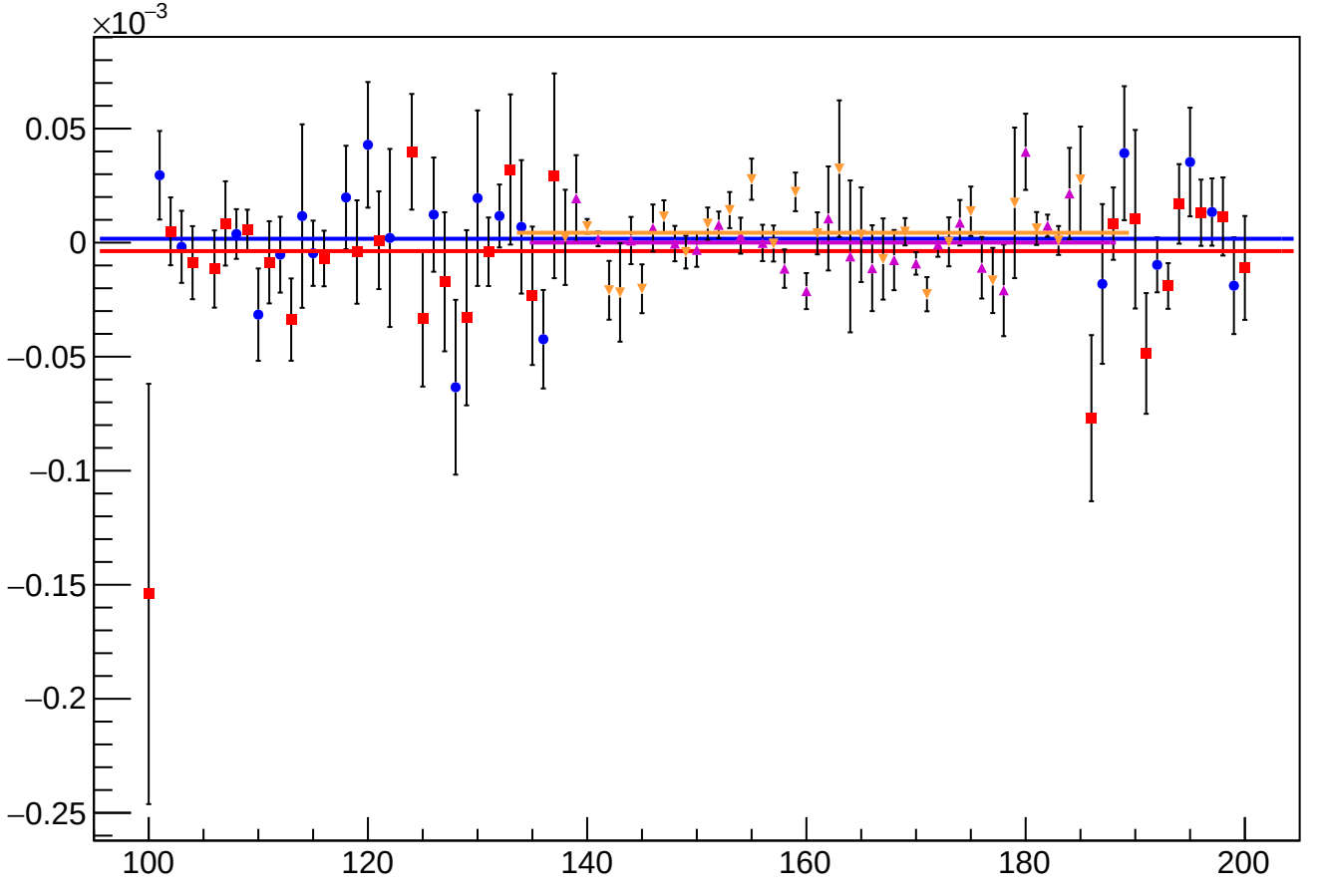
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 168.274+/-0.027 χ^2/NDF: 7563834.6/49

In: 215.377+/-0.030 χ^2/NDF:6222790.6/44

Out: 194.942+/-0.027 χ^2/NDF:11642607.2/52

All: 204.160+/-0.020 χ^2/NDF: 18115556.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

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

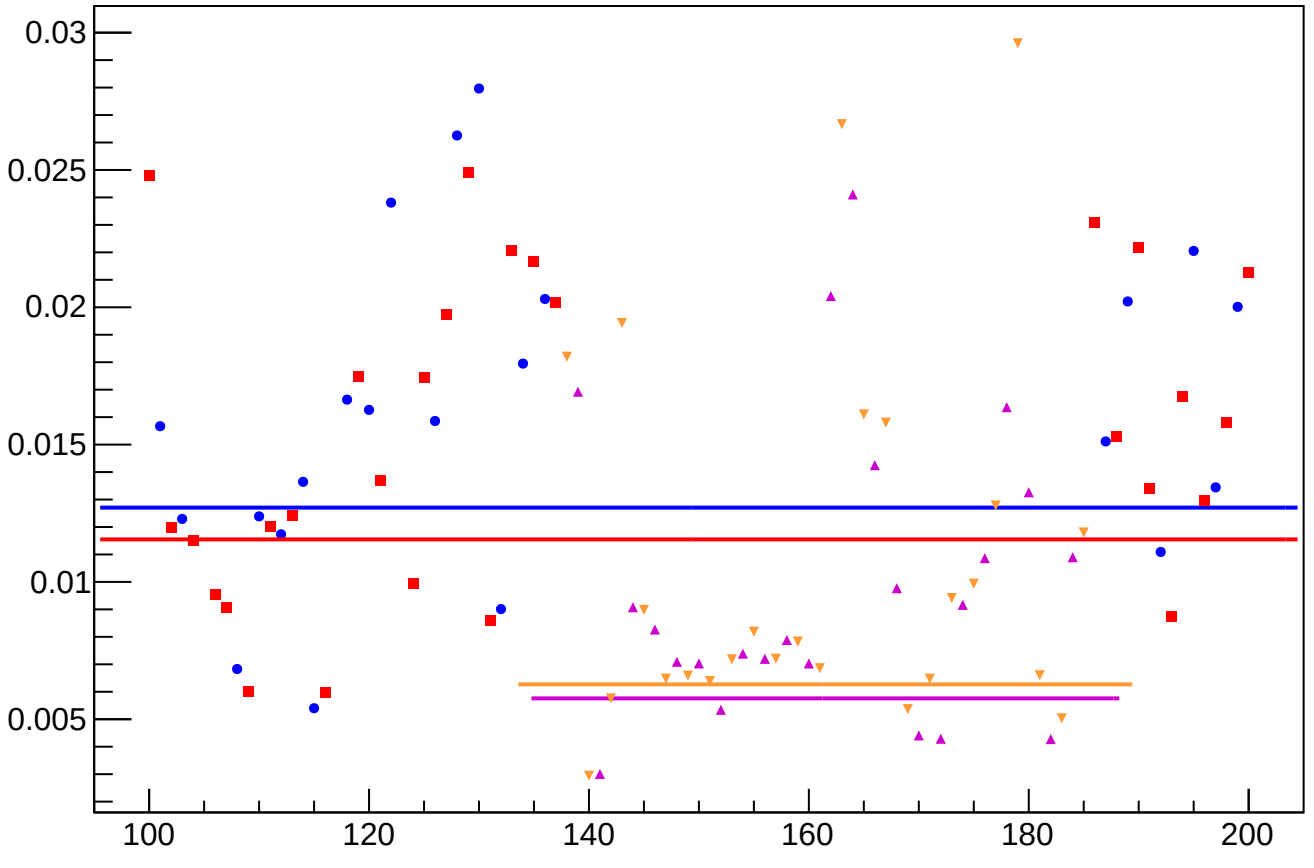
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 51.8/49

In: 0.000+/-0.000 χ^2/NDF:51.7/44

Out: 0.000+/-0.000 χ^2/NDF:78.7/52

All: 0.000+/-0.000 χ^2/NDF: 132.0/97



Right In: 0.013+/-0.000 χ^2/NDF: 3193910.3/21

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

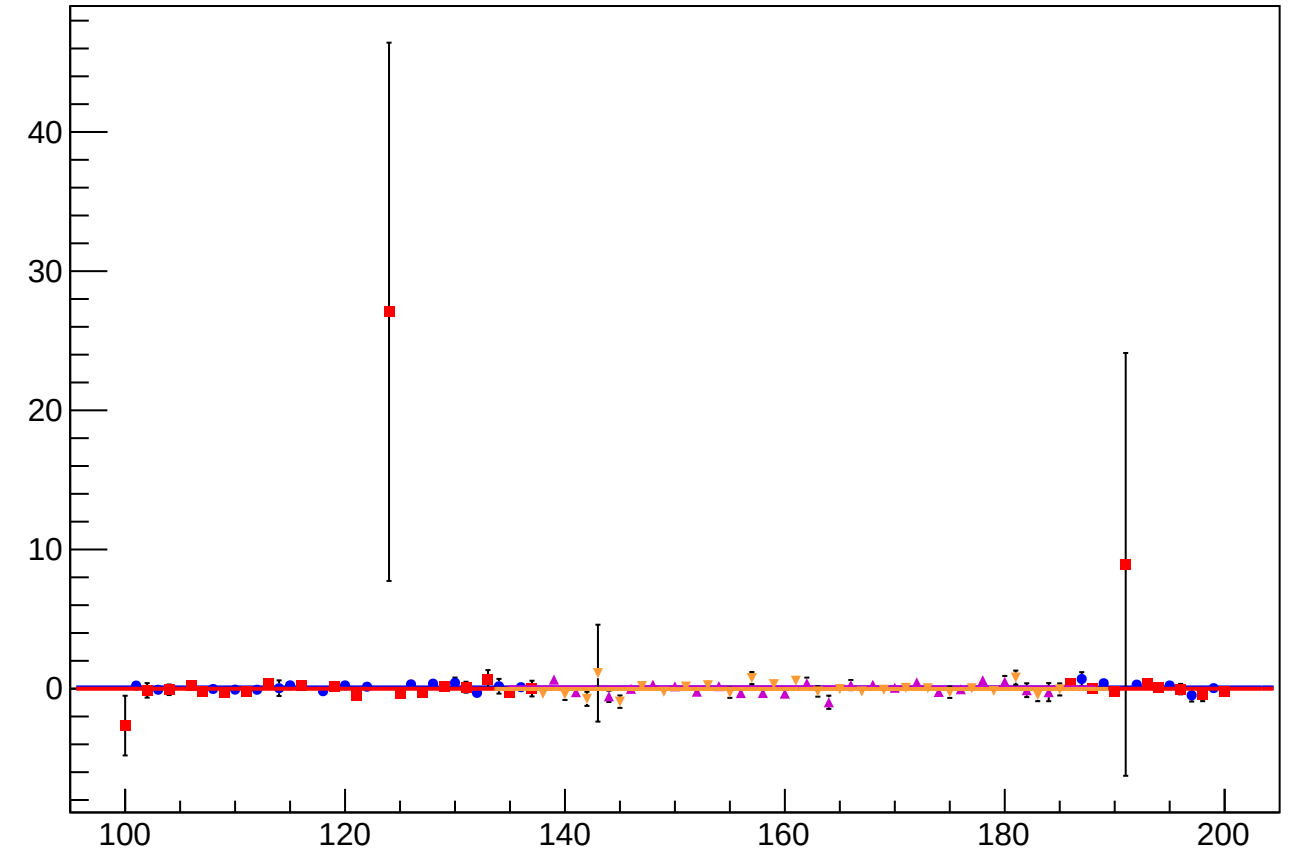
Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

Right: 0.012+/-0.000 χ^2/NDF: 7093336.9/49

In: 0.007+/-0.000 χ^2/NDF:15279107.7/44

Out: 0.007+/-0.000 χ^2/NDF:15591320.8/52

All: 0.007+/-0.000 χ^2/NDF: 31041108.2/97



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

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

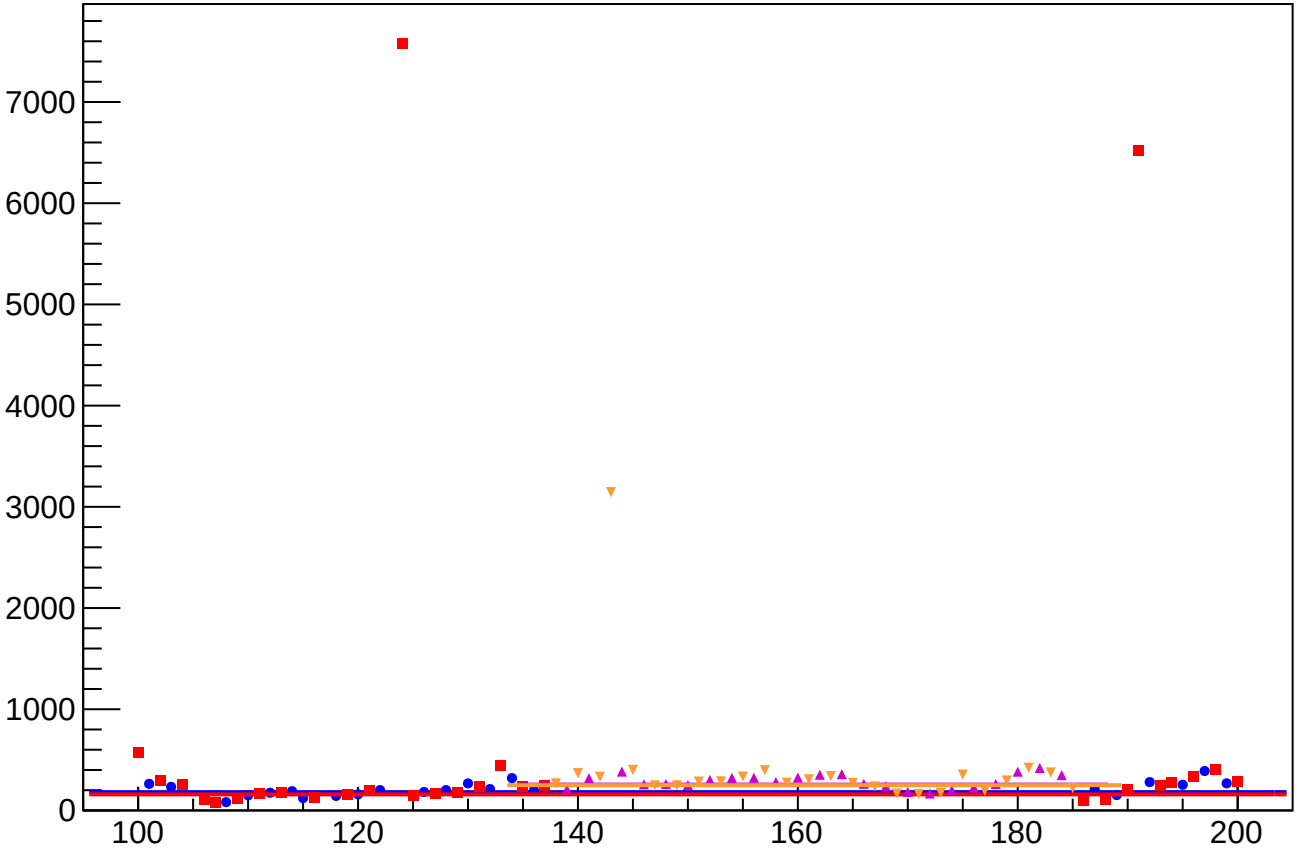
Right: 0.035+/-0.038 χ^2/NDF: 43.0/49

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/97

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

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

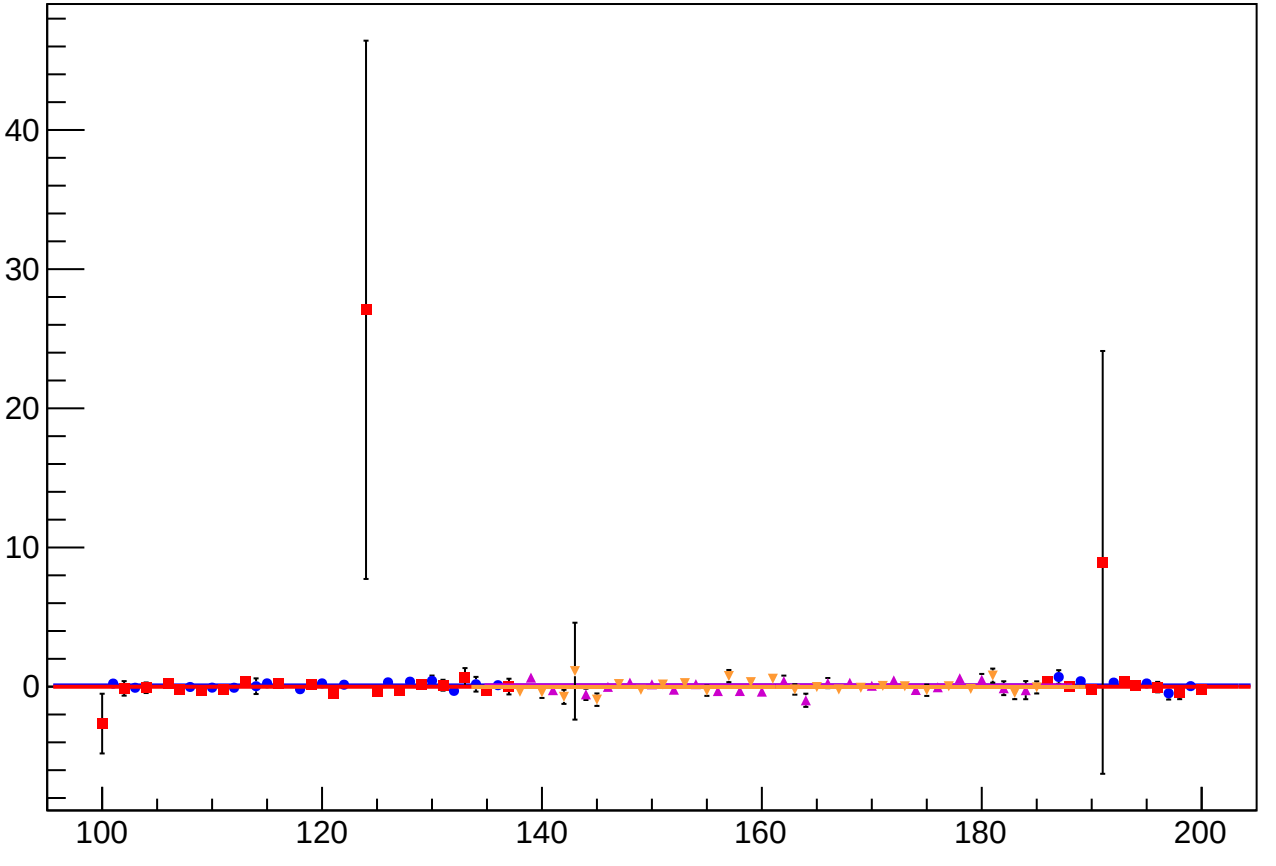
Right: 168.274+/-0.027 χ^2/NDF: 7563687.6/49

In: 215.376+/-0.030 χ^2/NDF:6223037.7/44

Out: 194.944+/-0.027 χ^2/NDF:11642494.6/52

All: 204.161+/-0.020 χ^2/NDF: 18115618.5/97

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

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

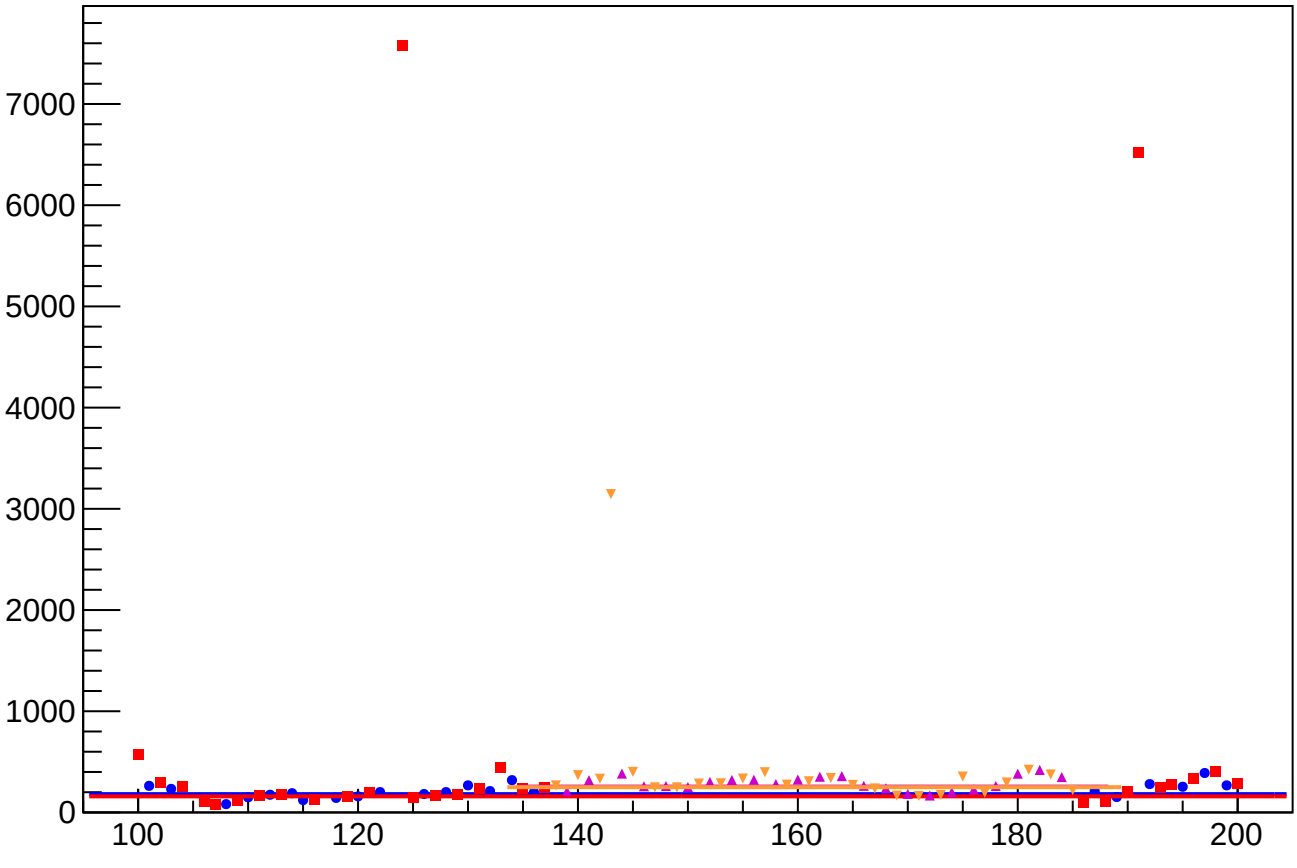
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.035+/-0.038 χ^2/NDF: 43.0/49

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.013+/-0.039 χ^2/NDF:51.3/52

All: 0.035+/-0.029 χ^2/NDF: 99.9/97



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

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

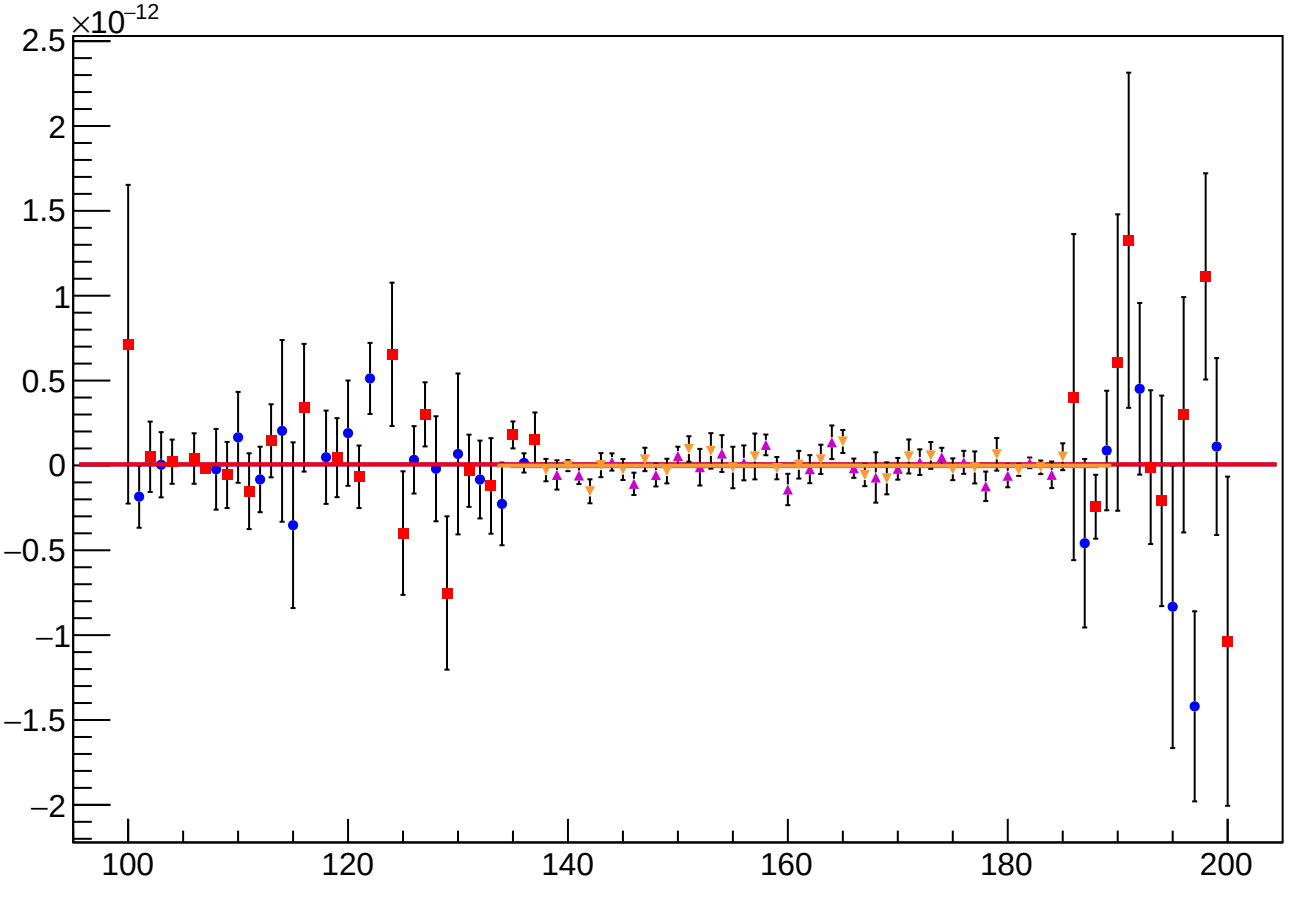
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 168.274+/-0.027 χ^2/NDF: 7563687.6/49

In: 215.376+/-0.030 χ^2/NDF:6223037.7/44

Out: 194.944+/-0.027 χ^2/NDF:11642494.6/52

All: 204.161+/-0.020 χ^2/NDF: 18115618.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/21

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

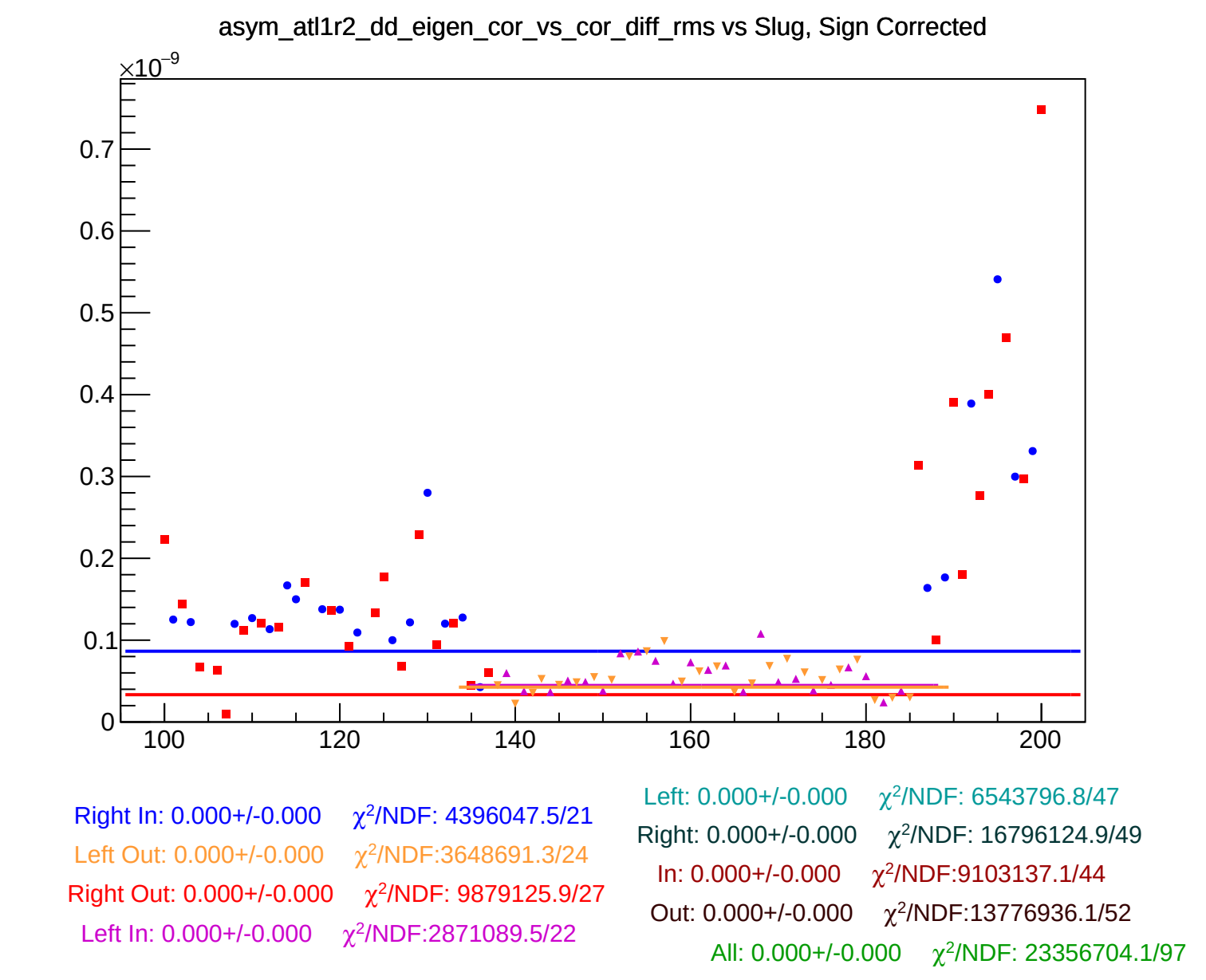
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

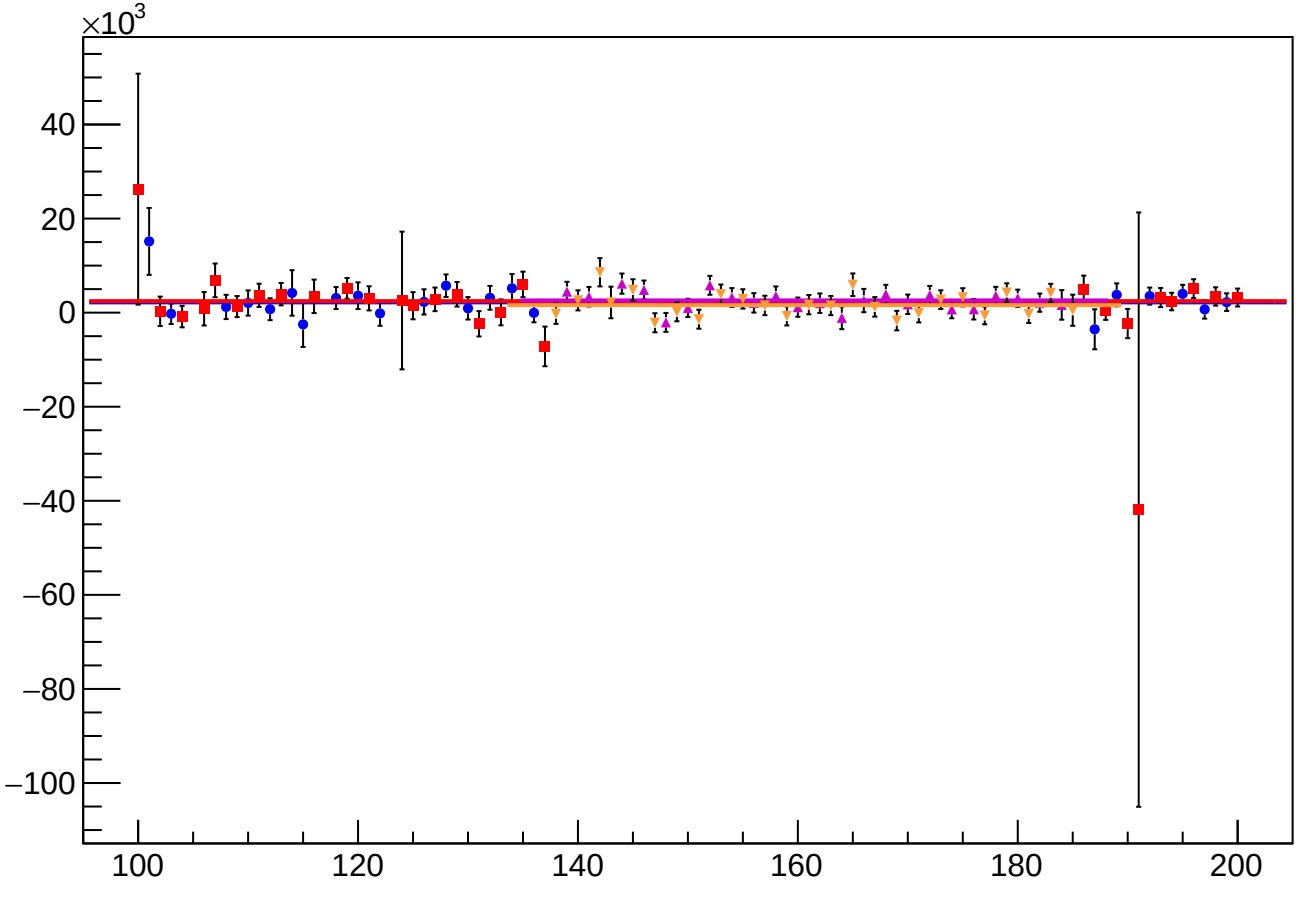
Right: 0.000+/-0.000 χ^2/NDF: 46.2/49

In: -0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:43.8/52

All: -0.000+/-0.000 χ^2/NDF: 82.7/97


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: 4396047.5/21
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: 16796124.9/49
In: 0.000+/-0.000 χ²/NDF:9103137.1/44
Out: 0.000+/-0.000 χ²/NDF:13776936.1/52
All: 0.000+/-0.000 χ²/NDF: 23356704.1/97



Right In: 2187.547+/-528.527 χ^2/NDF: 16.4/21

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

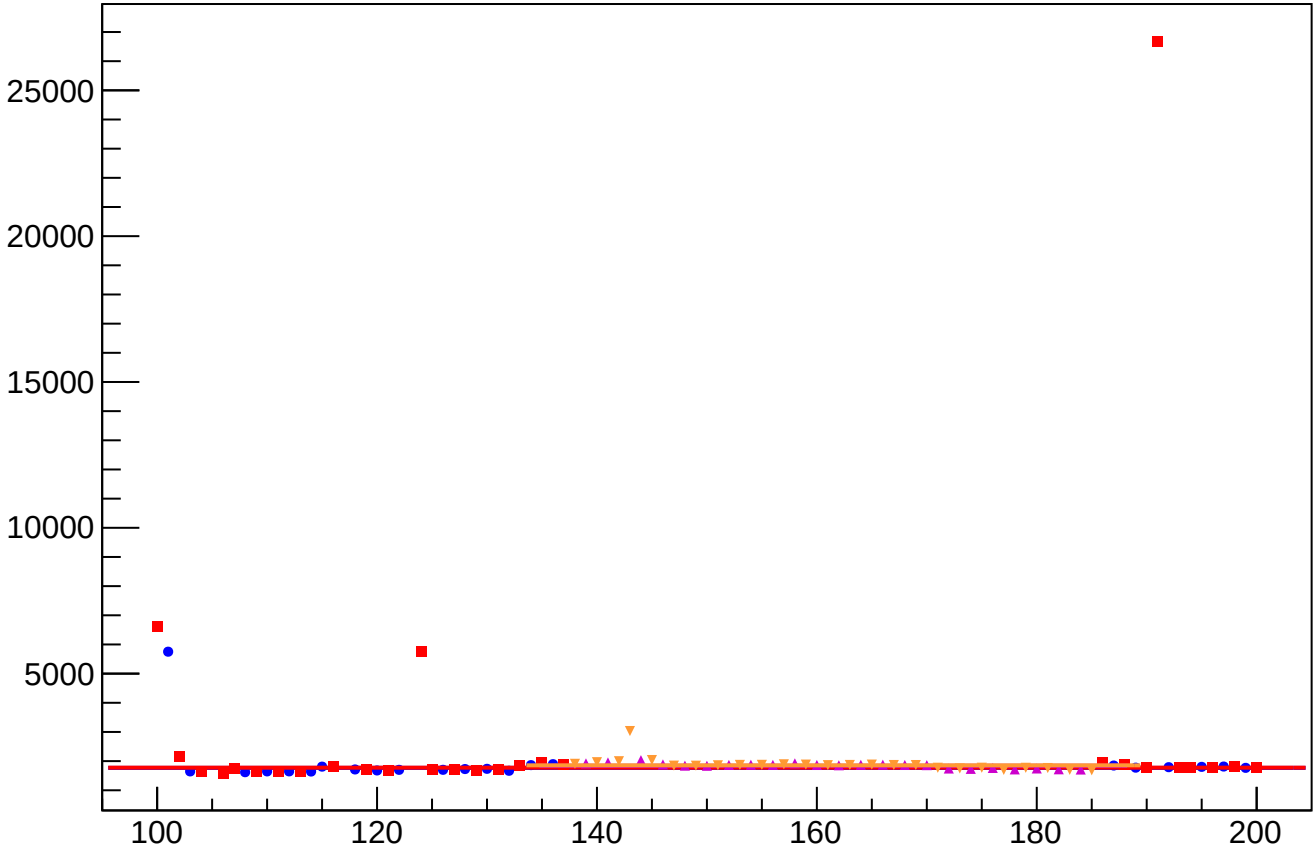
Right: 2327.410+/-360.332 χ^2/NDF: 42.6/49

In: 2434.232+/-333.689 χ^2/NDF:36.9/44

Out: 1956.284+/-321.033 χ^2/NDF:59.0/52

All: 2186.022+/-231.349 χ^2/NDF: 97.0/97

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.406+/-0.374 χ^2/NDF: 674689.8/21

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

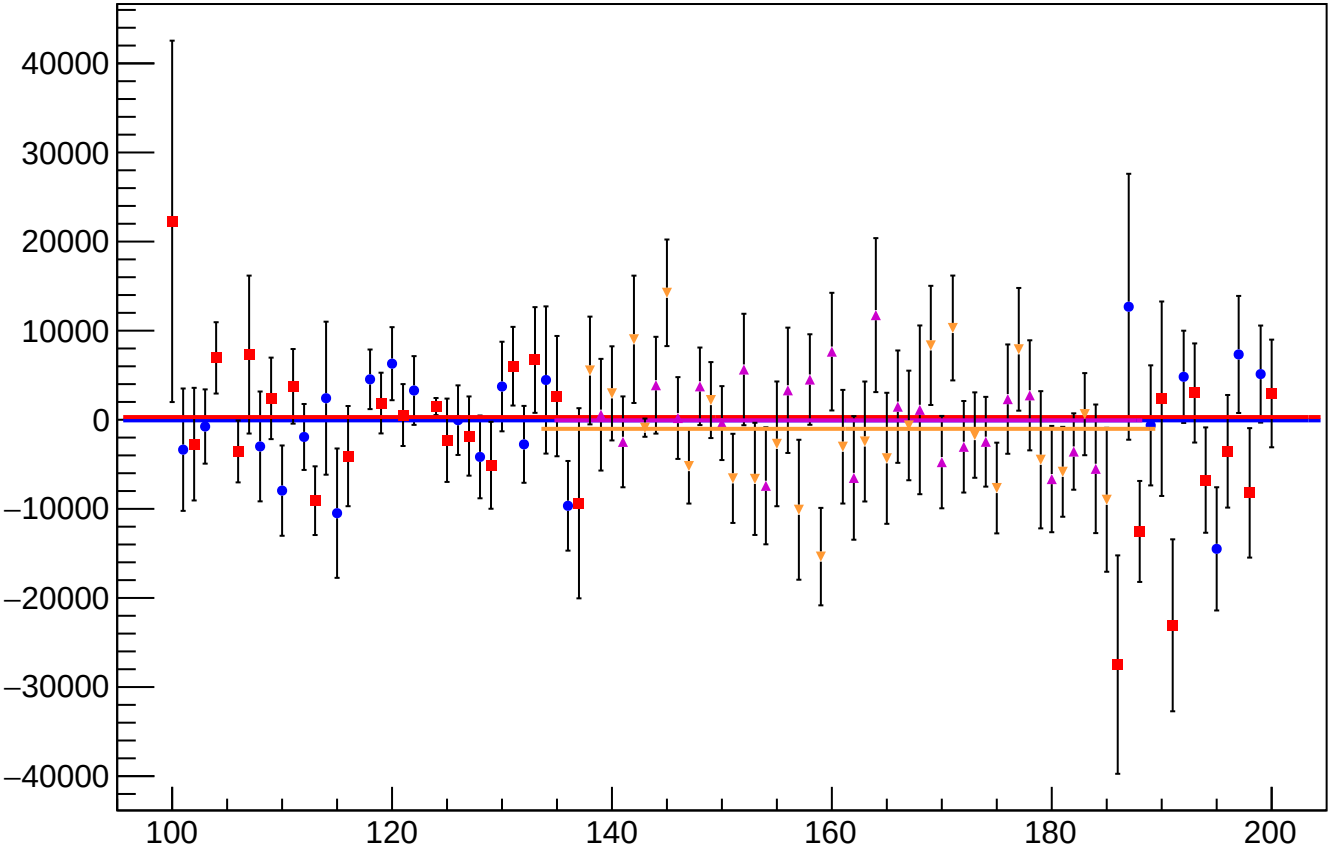
Right: 1771.564+/-0.254 χ^2/NDF: 1314190.2/49

In: 1811.653+/-0.236 χ^2/NDF:768983.8/44

Out: 1821.234+/-0.227 χ^2/NDF:994348.4/52

All: 1816.637+/-0.163 χ^2/NDF: 1764189.8/97

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -68.464+/-1074.197 χ^2/NDF: 24.2/21

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

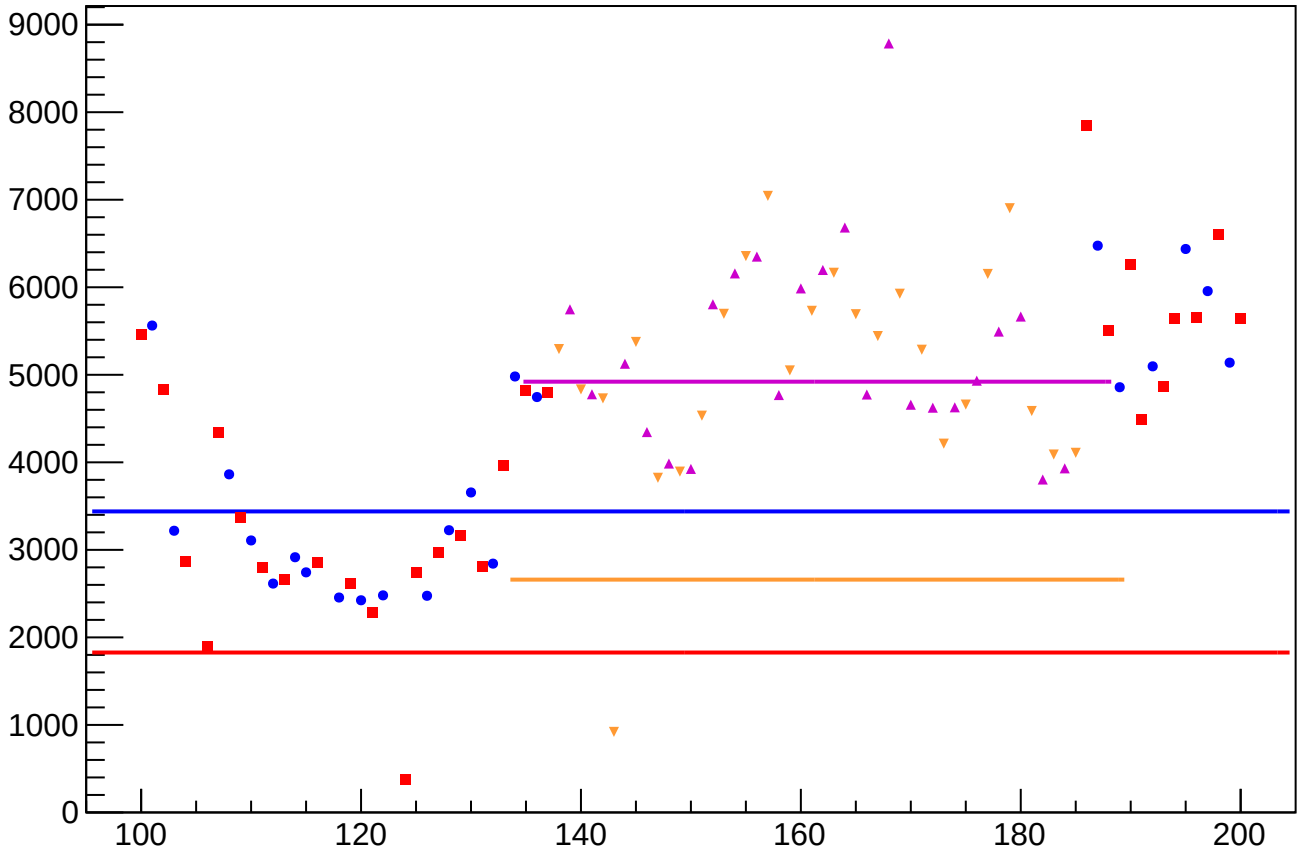
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 194.270+/-581.781 χ^2/NDF: 64.8/49

In: -65.685+/-792.335 χ^2/NDF:37.2/44

Out: -285.954+/-515.262 χ^2/NDF:75.9/52

All: -220.488+/-431.957 χ^2/NDF: 113.2/97



Right In: 3439.132+/-0.760 χ^2/NDF: 2372520.9/21

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

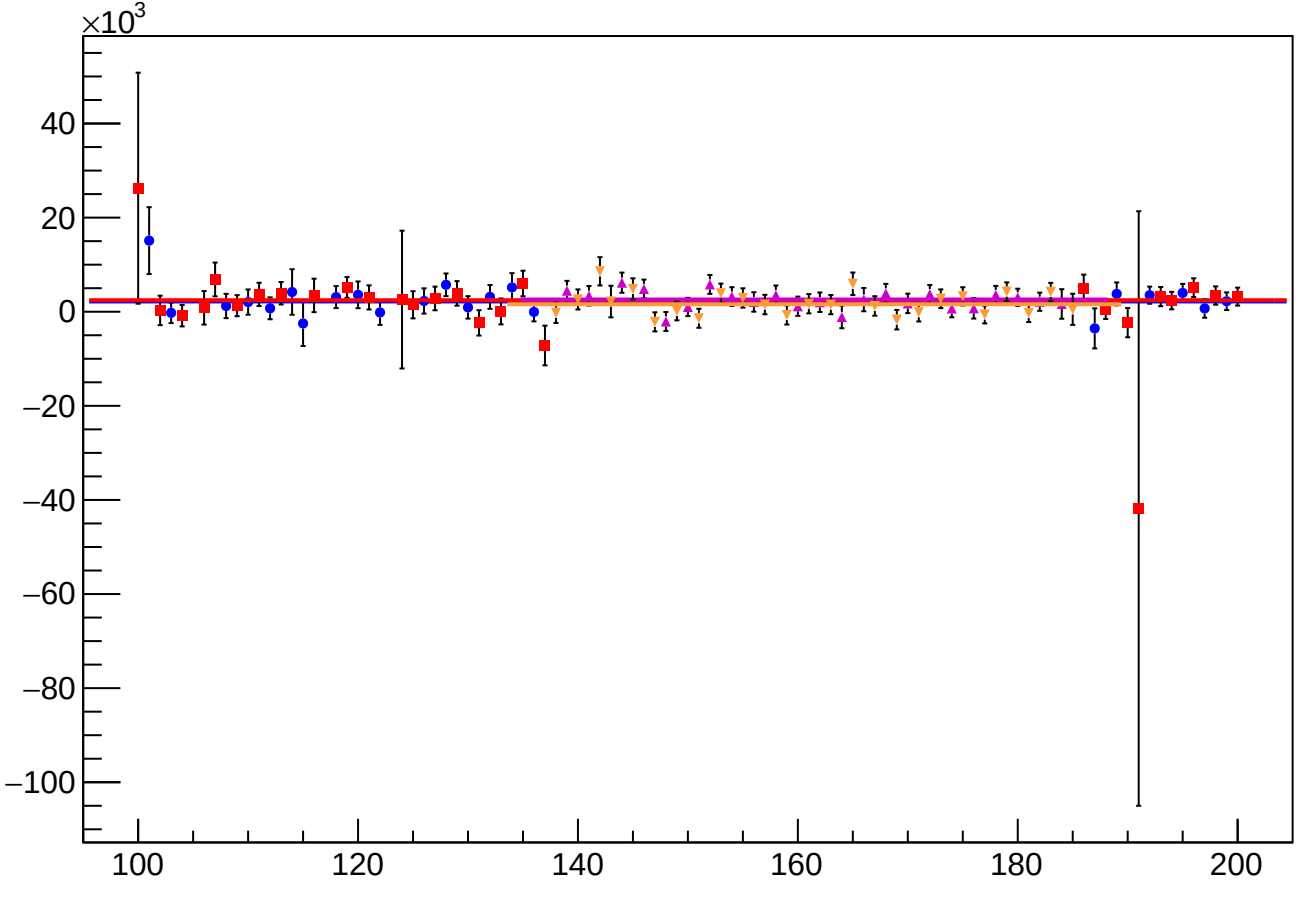
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2299.957+/-0.411 χ^2/NDF: 18522619.3/49

In: 4114.914+/-0.560 χ^2/NDF:5359732.7/44

Out: 2198.320+/-0.364 χ^2/NDF:28794327.1/52

All: 2767.952+/-0.305 χ^2/NDF: 42378334.2/9



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

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

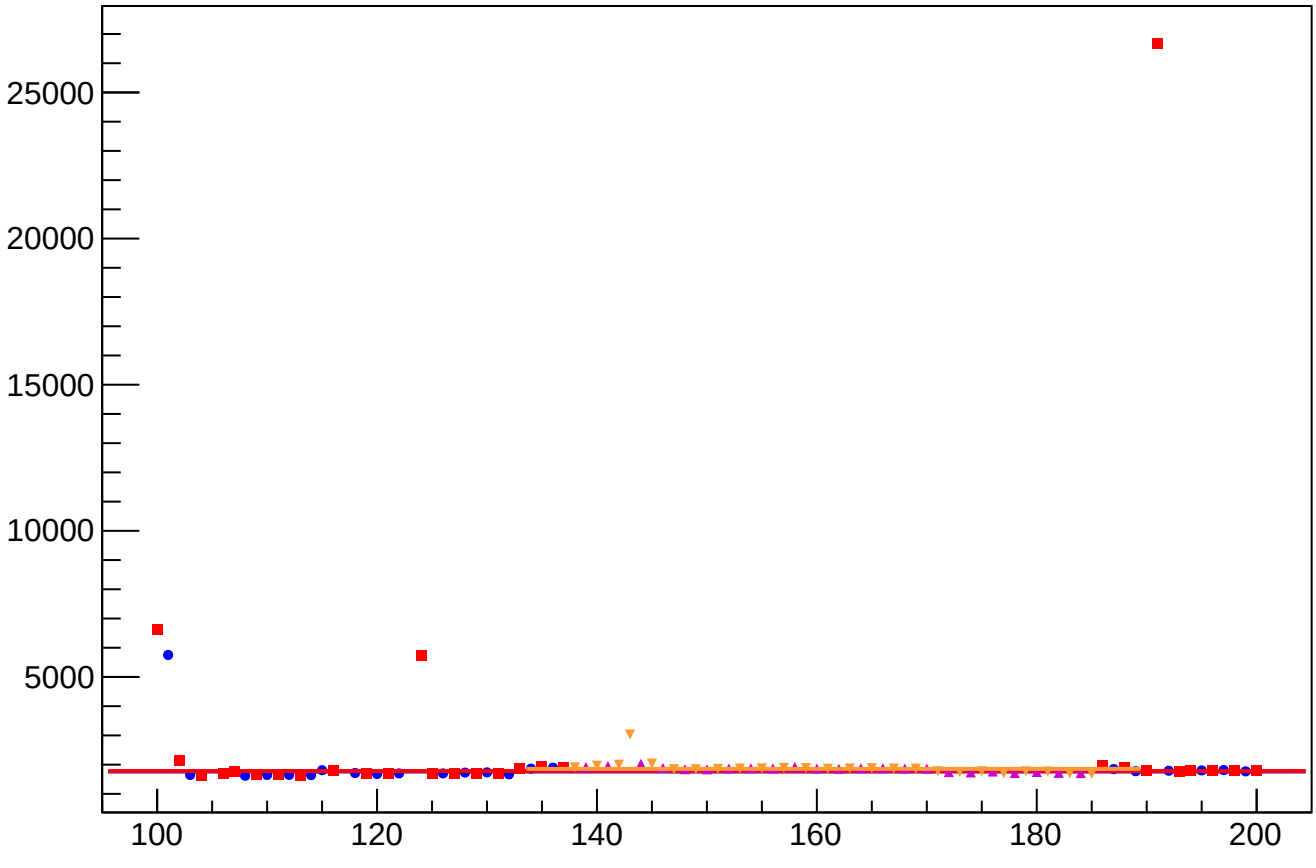
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2327.337+/-360.332 χ^2/NDF: 42.6/49

In: 2434.199+/-333.689 χ^2/NDF:36.9/44

Out: 1956.278+/-321.033 χ^2/NDF:59.0/52

All: 2186.003+/-231.349 χ^2/NDF: 97.0/97



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

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

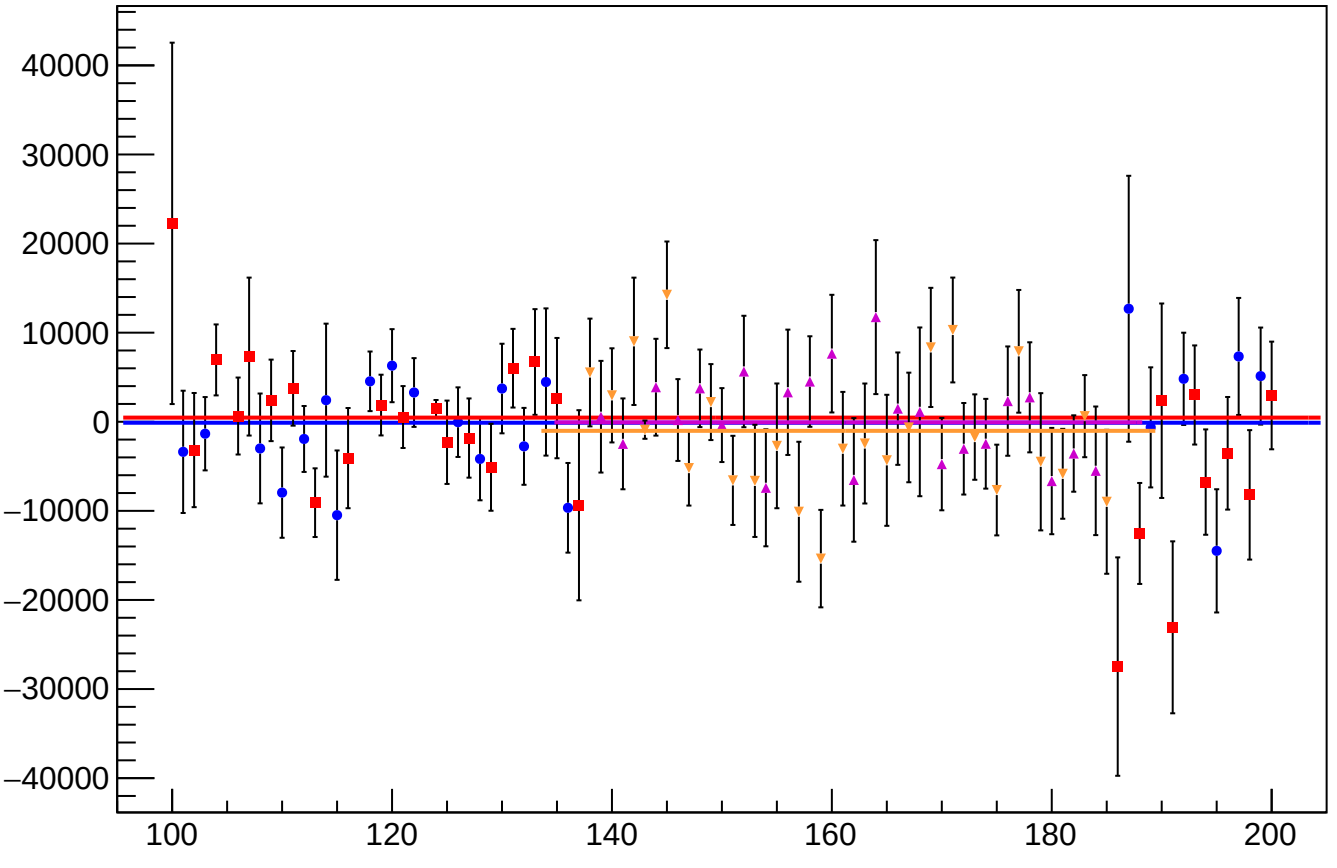
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.672+/-0.255 χ^2/NDF: 1305642.3/49

In: 1811.653+/-0.236 χ^2/NDF:768984.2/44

Out: 1822.995+/-0.227 χ^2/NDF:982491.3/52

All: 1817.548+/-0.164 χ^2/NDF: 1752676.4/97



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

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

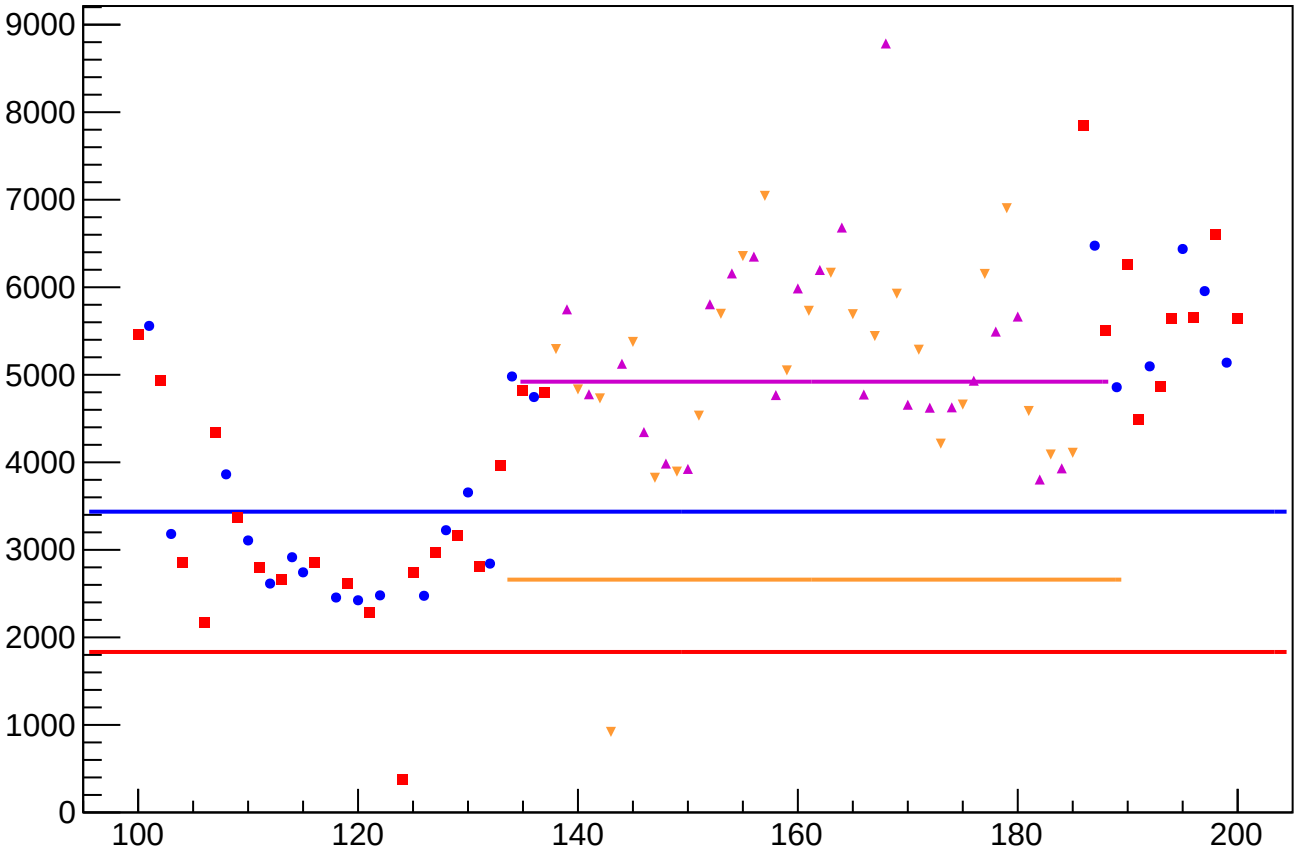
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 295.304+/-584.567 χ^2/NDF: 63.8/49

In: -88.166+/-791.964 χ^2/NDF:37.3/44

Out: -200.875+/-517.292 χ^2/NDF:75.1/52

All: -167.169+/-433.091 χ^2/NDF: 112.4/97



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

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

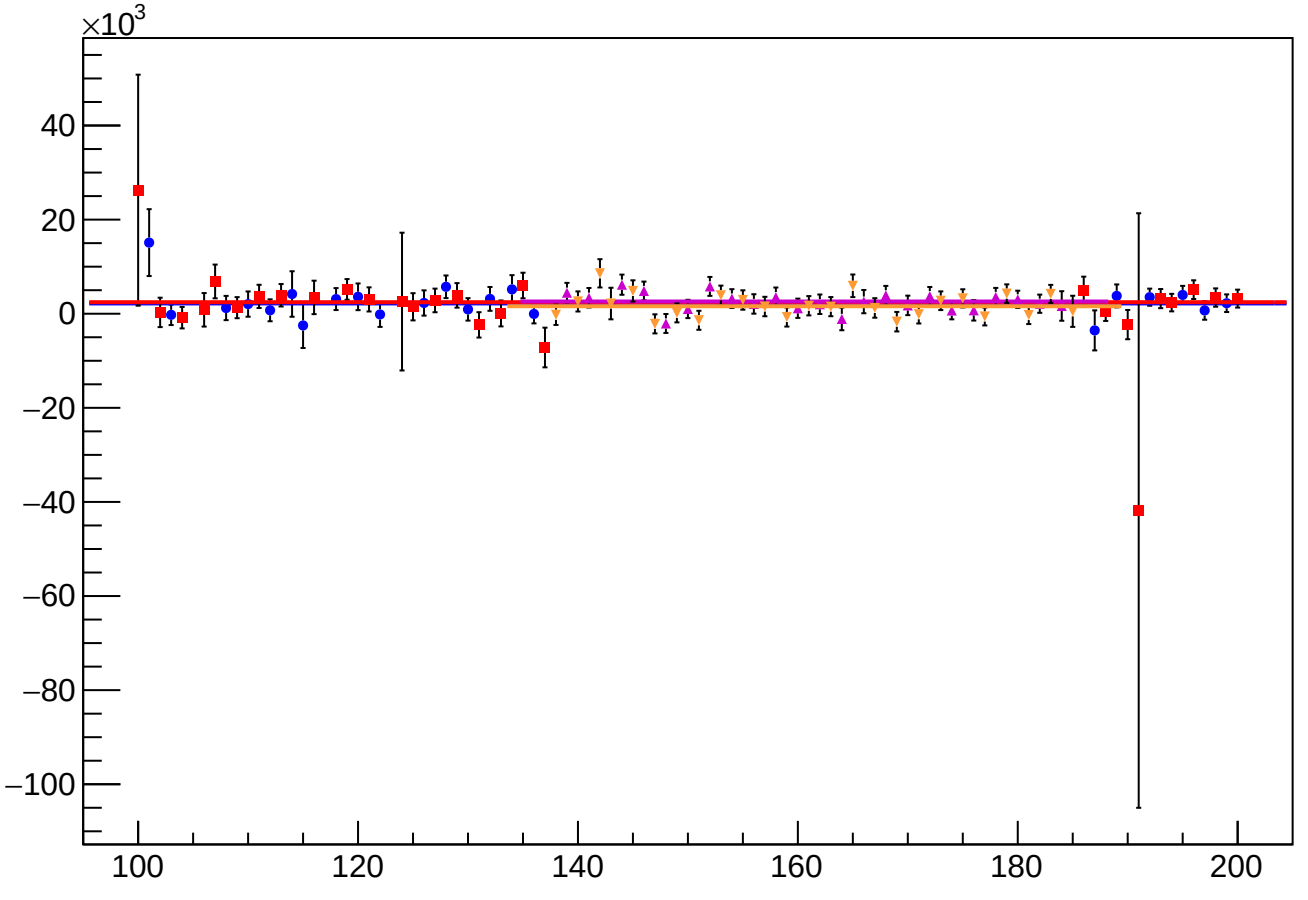
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2308.927+/-0.413 χ^2/NDF: 18505953.1/49

In: 4112.705+/-0.560 χ^2/NDF:5369650.0/44

Out: 2204.719+/-0.366 χ^2/NDF:28794453.3/52

All: 2775.307+/-0.306 χ^2/NDF: 42300932.0/9



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

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

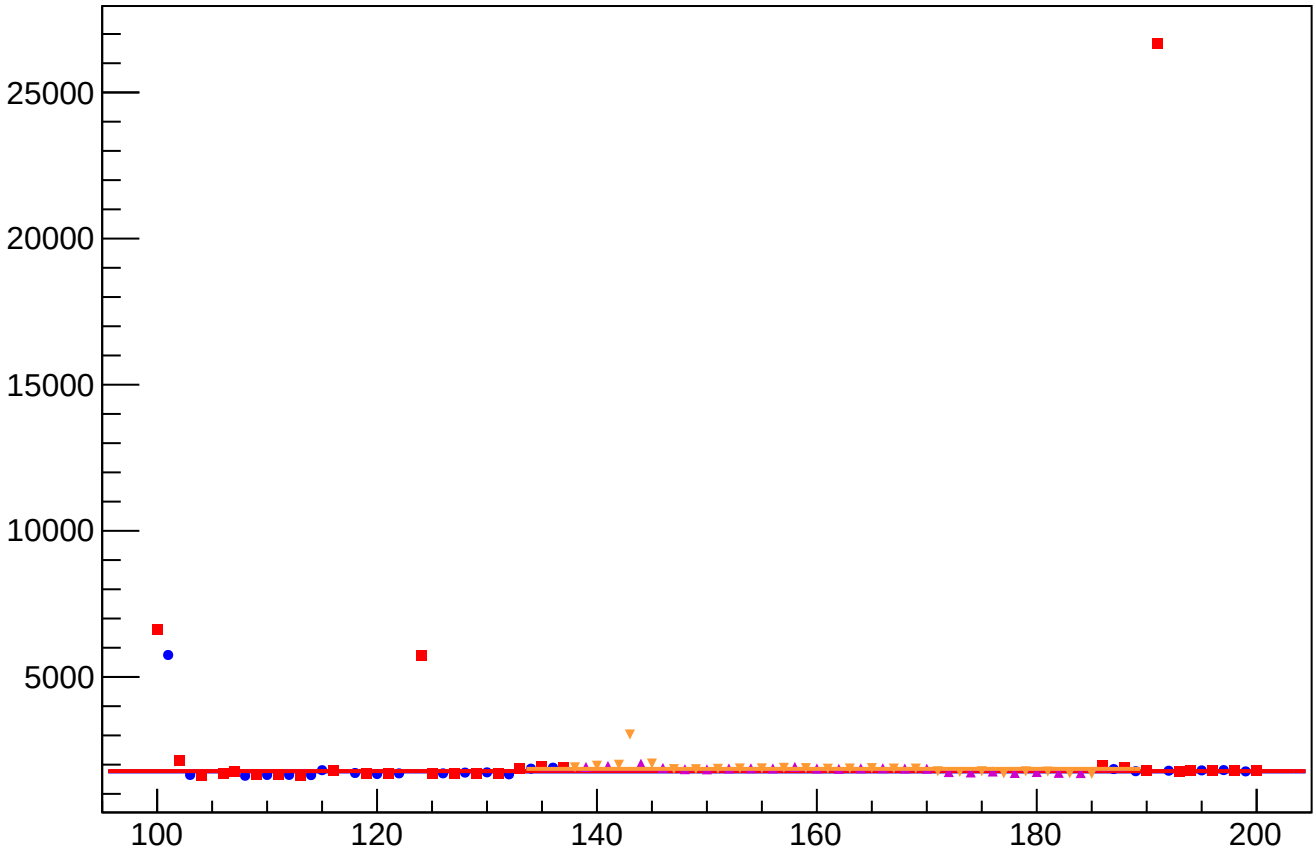
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2327.337+/-360.332 χ^2/NDF: 42.6/49

In: 2434.199+/-333.689 χ^2/NDF:36.9/44

Out: 1956.278+/-321.033 χ^2/NDF:59.0/52

All: 2186.003+/-231.349 χ^2/NDF: 97.0/97



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

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

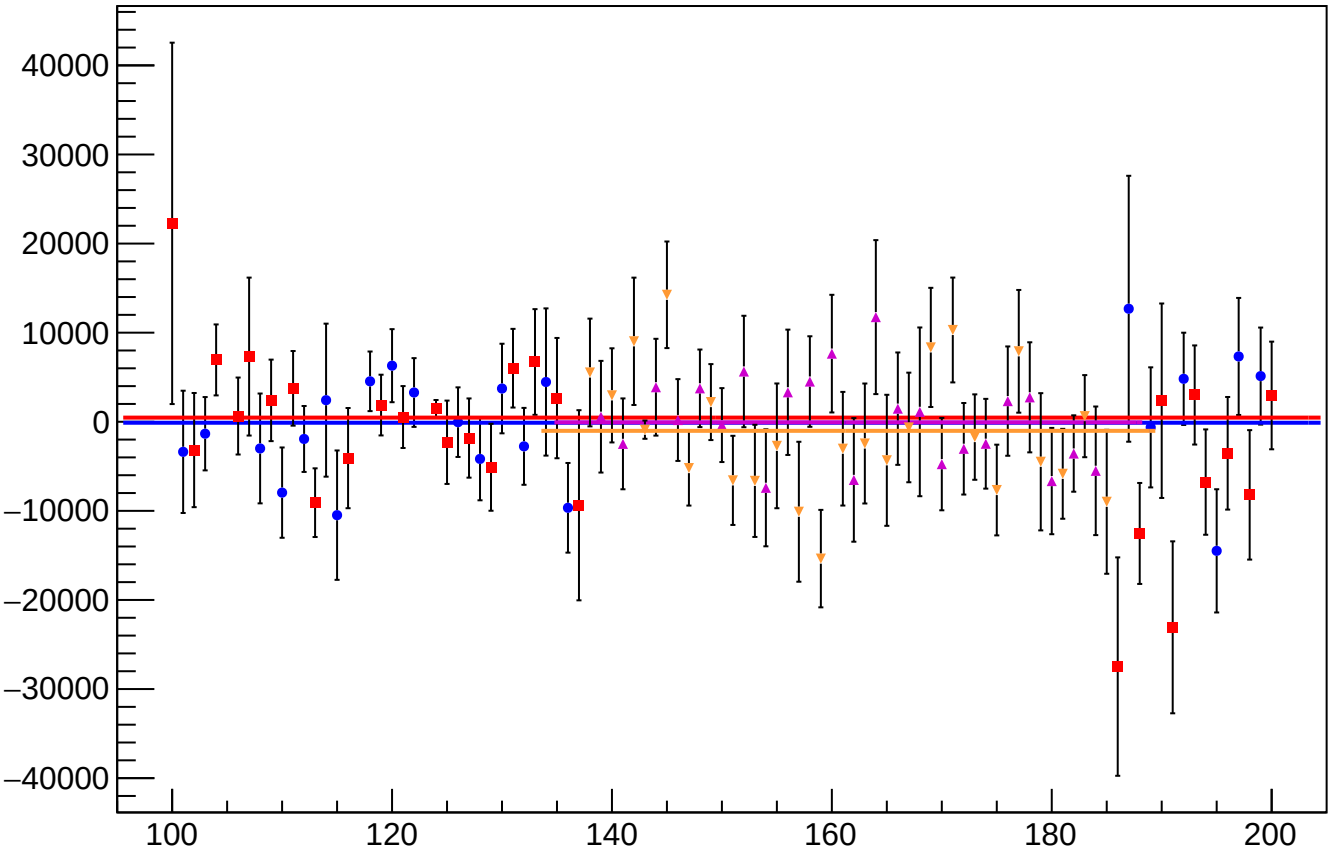
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.672+/-0.255 χ^2/NDF: 1305642.3/49

In: 1811.653+/-0.236 χ^2/NDF:768984.2/44

Out: 1822.995+/-0.227 χ^2/NDF:982491.3/52

All: 1817.548+/-0.164 χ^2/NDF: 1752676.4/97



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

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

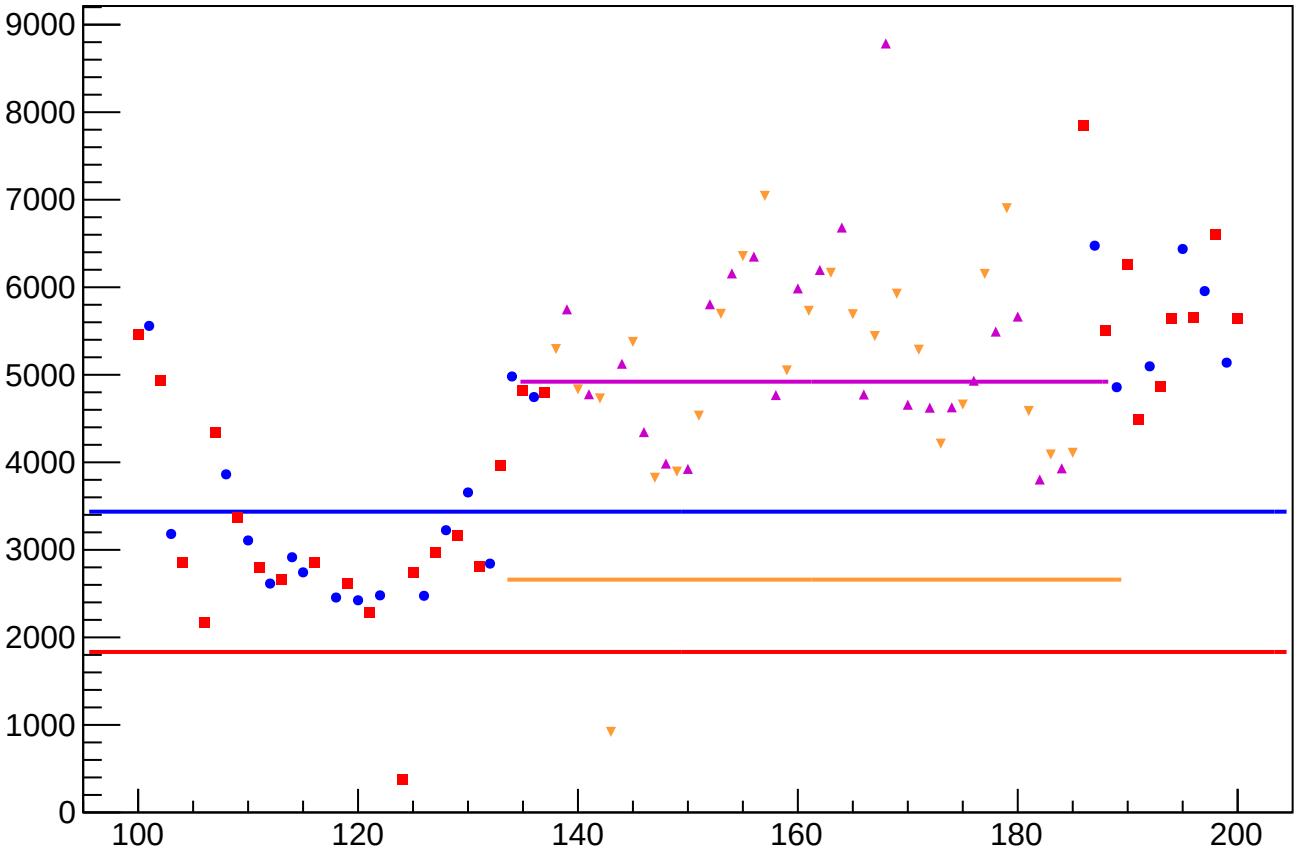
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 295.304+/-584.567 χ^2/NDF: 63.8/49

In: -88.166+/-791.964 χ^2/NDF:37.3/44

Out: -200.875+/-517.292 χ^2/NDF:75.1/52

All: -167.169+/-433.091 χ^2/NDF: 112.4/97



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

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

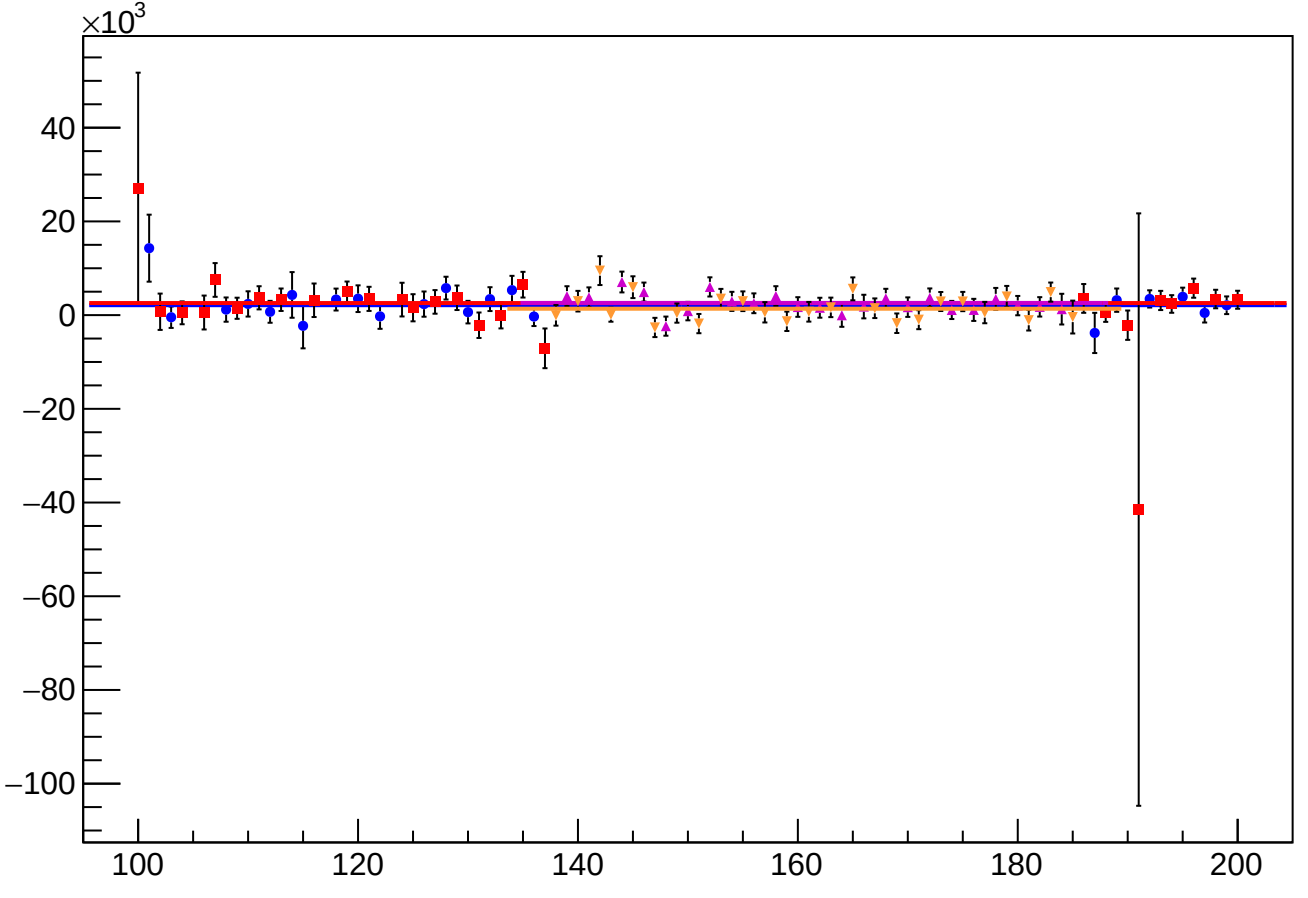
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2308.927+/-0.413 χ^2/NDF: 18505953.1/49

In: 4112.705+/-0.560 χ^2/NDF:5369650.0/44

Out: 2204.719+/-0.366 χ^2/NDF:28794453.3/52

All: 2775.307+/-0.306 χ^2/NDF: 42300932.0/9



Right In: 2119.096+/-534.883 χ^2/NDF: 16.6/21

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

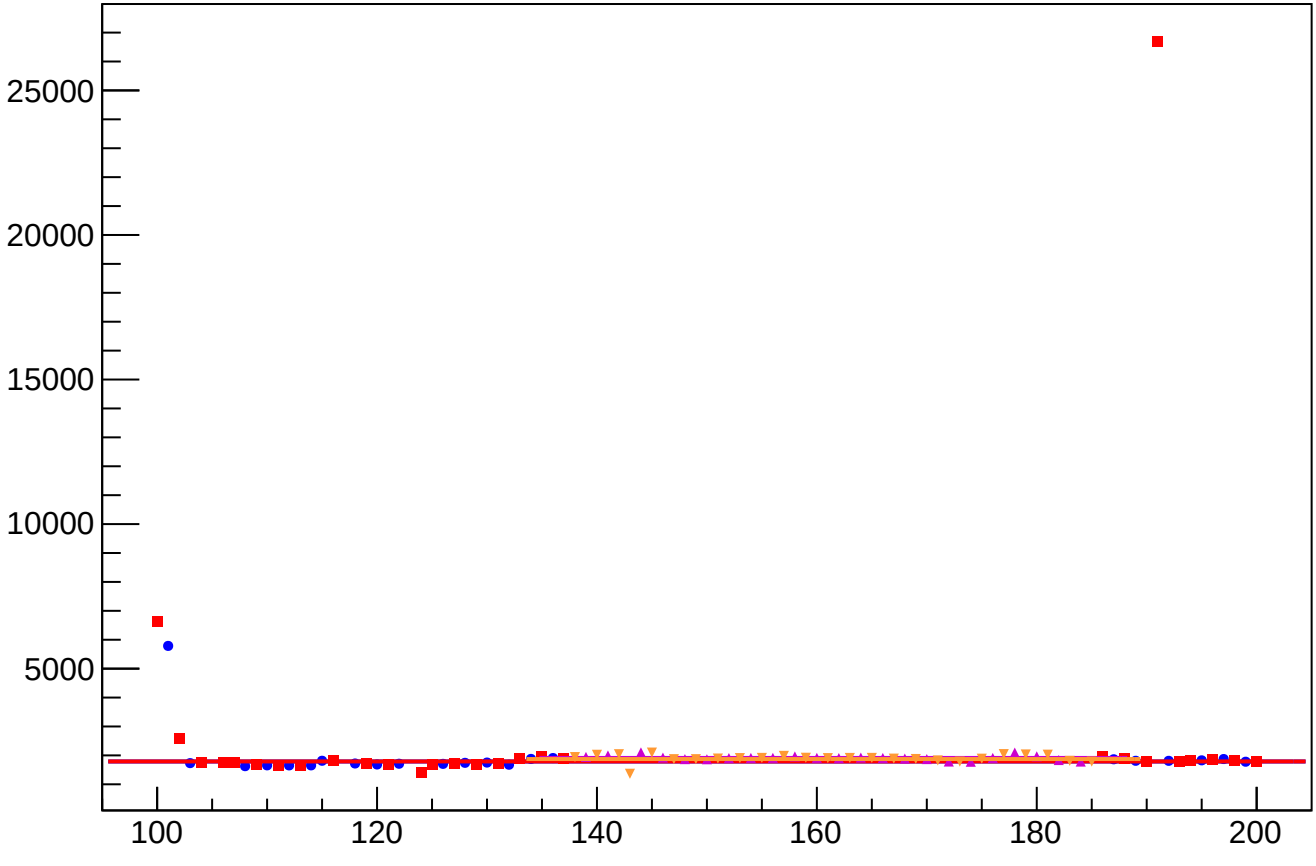
Right: 2365.910+/-363.519 χ^2/NDF: 41.3/49

In: 2404.054+/-342.879 χ^2/NDF:37.1/44

Out: 1881.581+/-323.623 χ^2/NDF:63.9/52

All: 2127.736+/-235.349 χ^2/NDF: 102.2/97

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

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

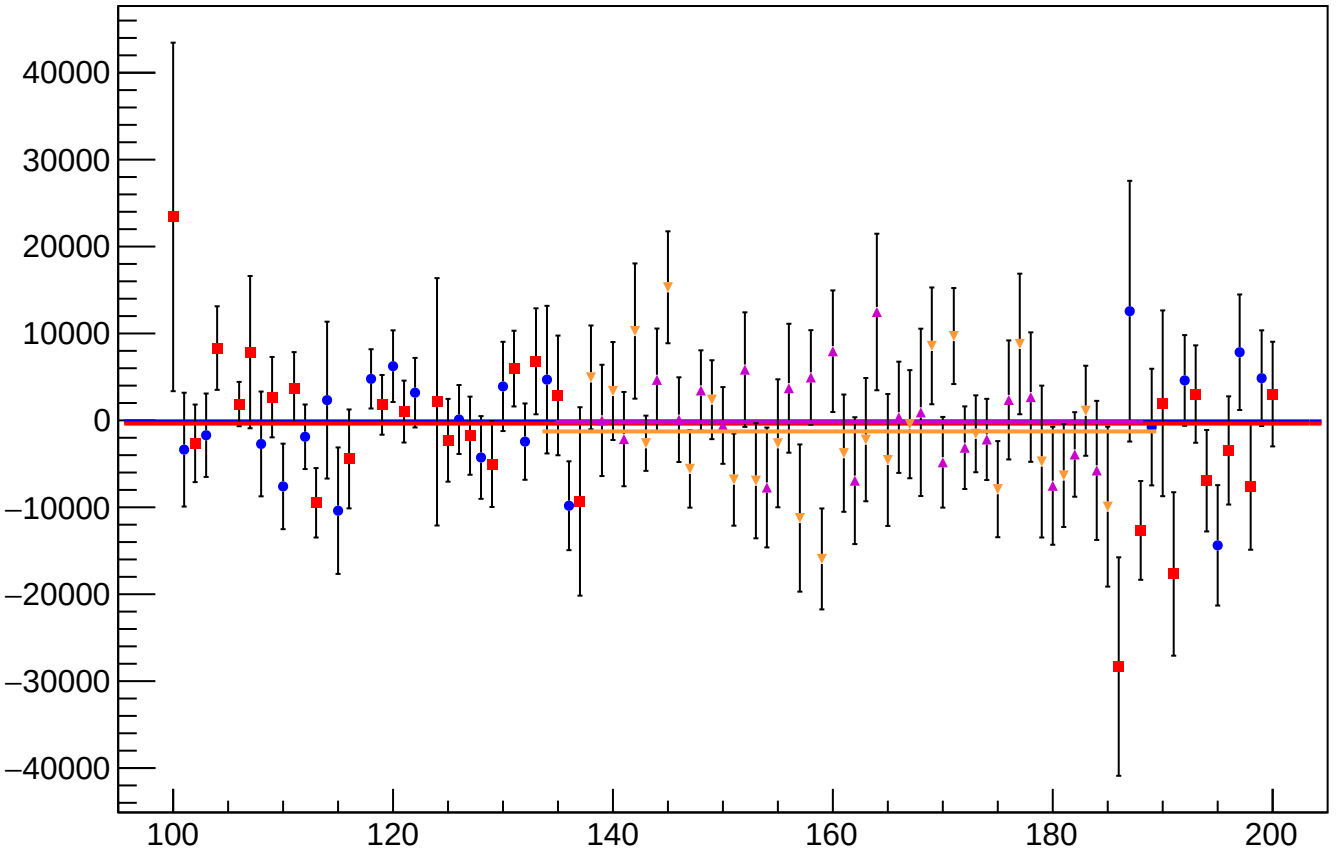
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.730+/-0.257 χ^2/NDF: 1229608.6/49

In: 1860.889+/-0.242 χ^2/NDF:796071.9/44

Out: 1837.996+/-0.229 χ^2/NDF:896397.0/52

All: 1848.774+/-0.166 χ^2/NDF: 1697186.7/97



Right In: -112.621+/-1093.665 χ^2/NDF: 23.9/21

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

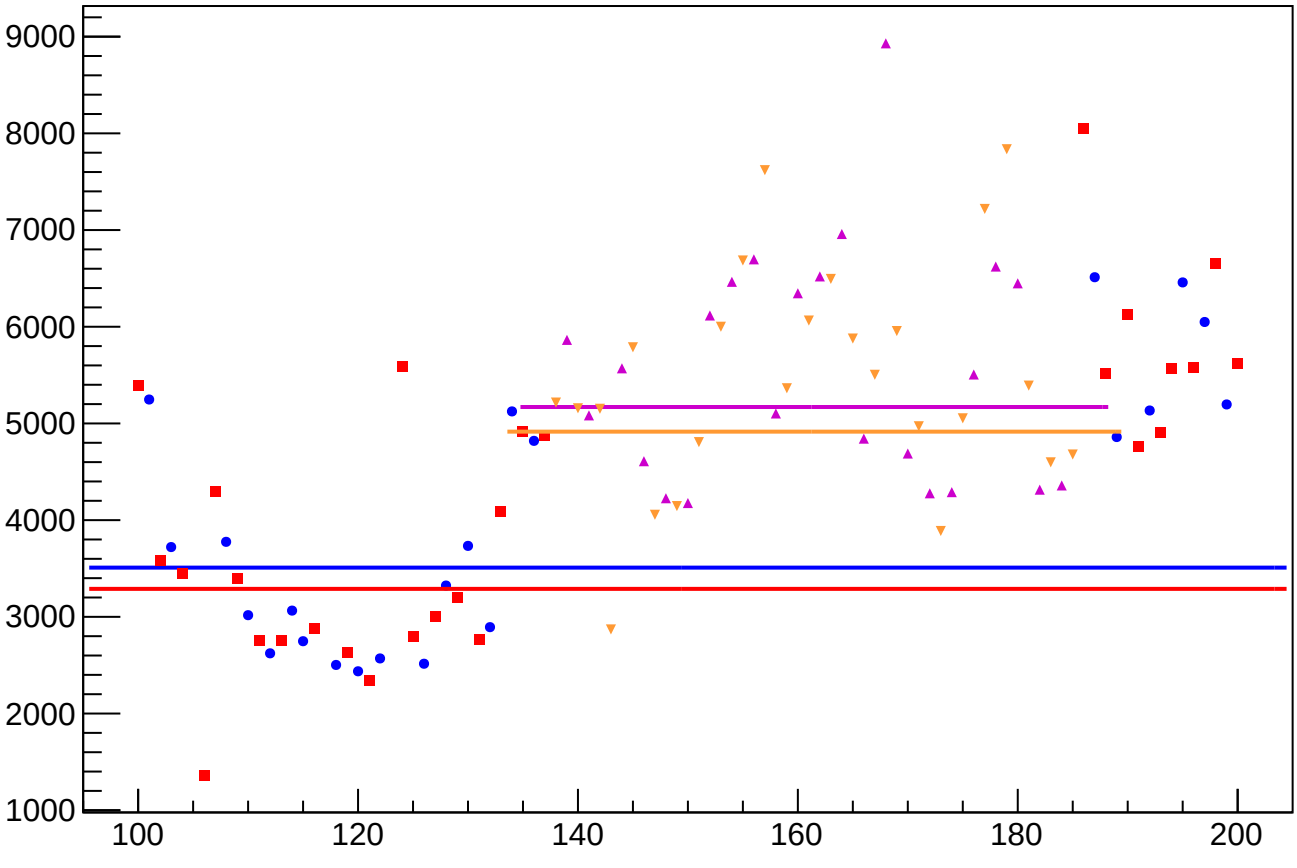
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -257.013+/-725.269 χ^2/NDF: 60.0/49

In: -149.687+/-818.633 χ^2/NDF:36.6/44

Out: -741.464+/-742.641 χ^2/NDF:69.9/52

All: -474.311+/-550.035 χ^2/NDF: 106.7/97



Right In: 3509.020+/-0.773 χ^2/NDF: 2302681.0/21

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3289.276+/-0.685 χ^2/NDF: 4053771.9/27

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

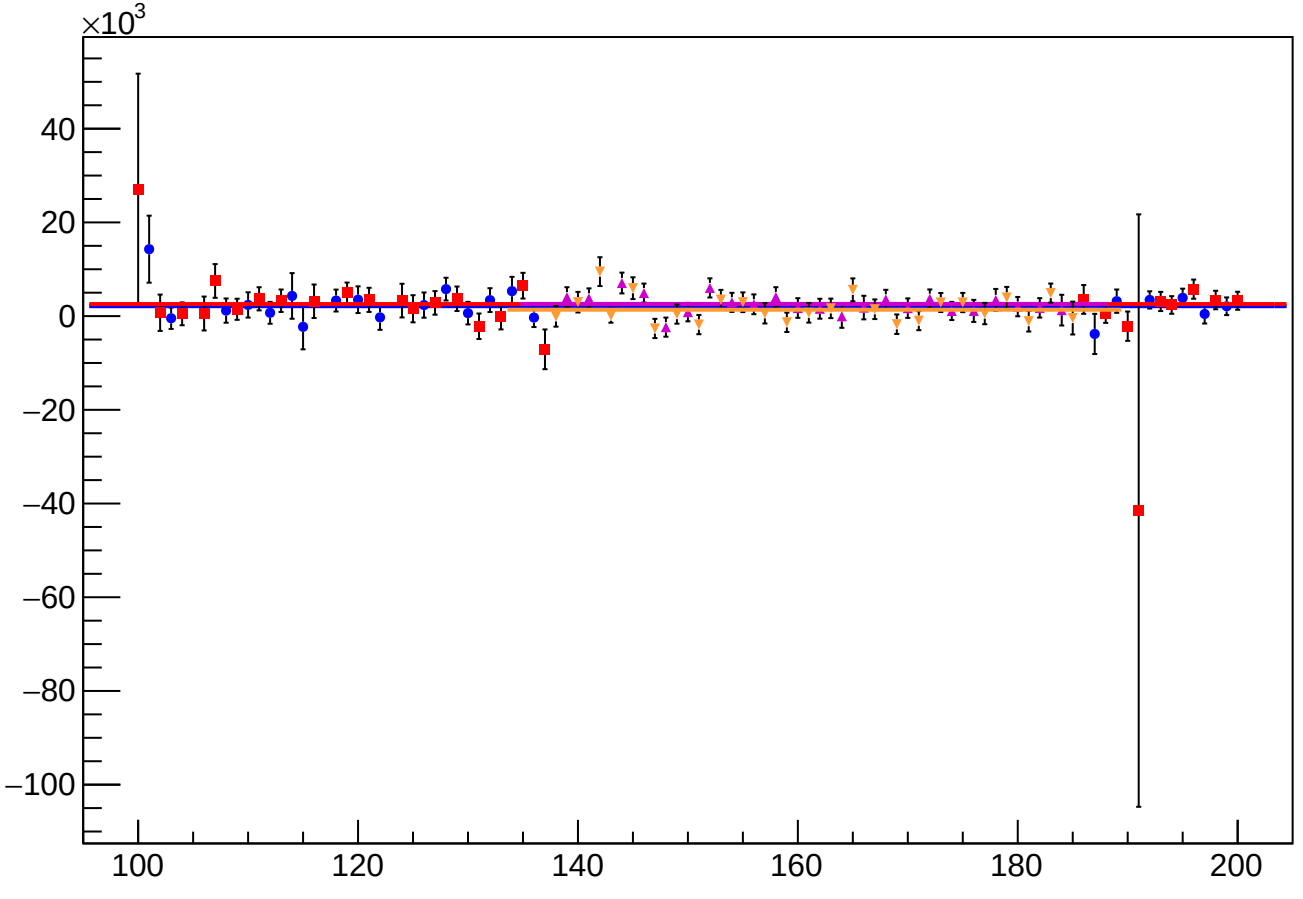
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3385.914+/-0.513 χ^2/NDF: 6401686.0/49

In: 4239.388+/-0.579 χ^2/NDF:5679889.7/44

Out: 3960.173+/-0.525 χ^2/NDF:8543610.3/52

All: 4086.222+/-0.389 χ^2/NDF: 14351129.4/9



Right In: 2119.094+/-534.883 χ^2/NDF: 16.6/21

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

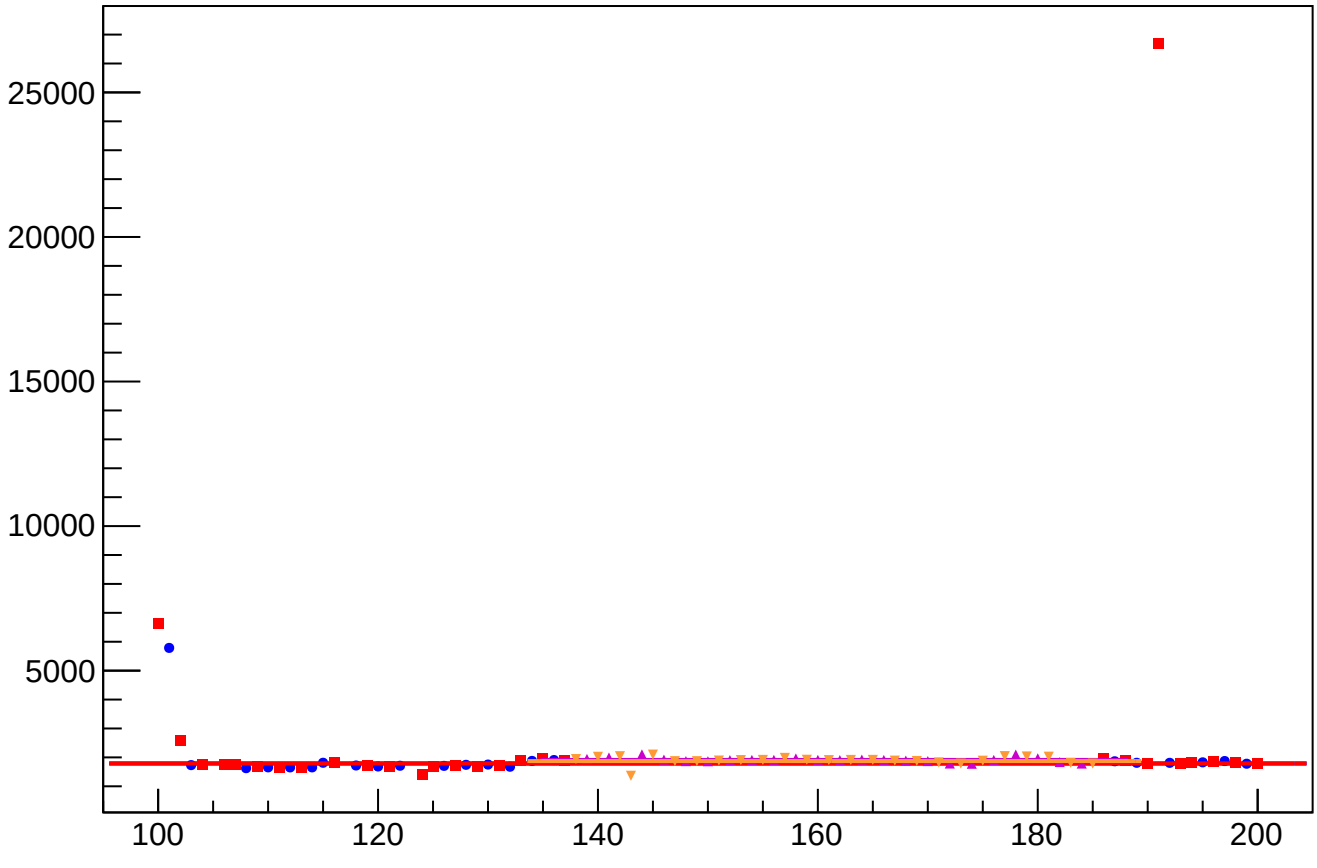
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2365.909+/-363.519 χ^2/NDF: 41.3/49

In: 2404.052+/-342.879 χ^2/NDF:37.1/44

Out: 1881.580+/-323.623 χ^2/NDF:63.9/52

All: 2127.734+/-235.349 χ^2/NDF: 102.2/97



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

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

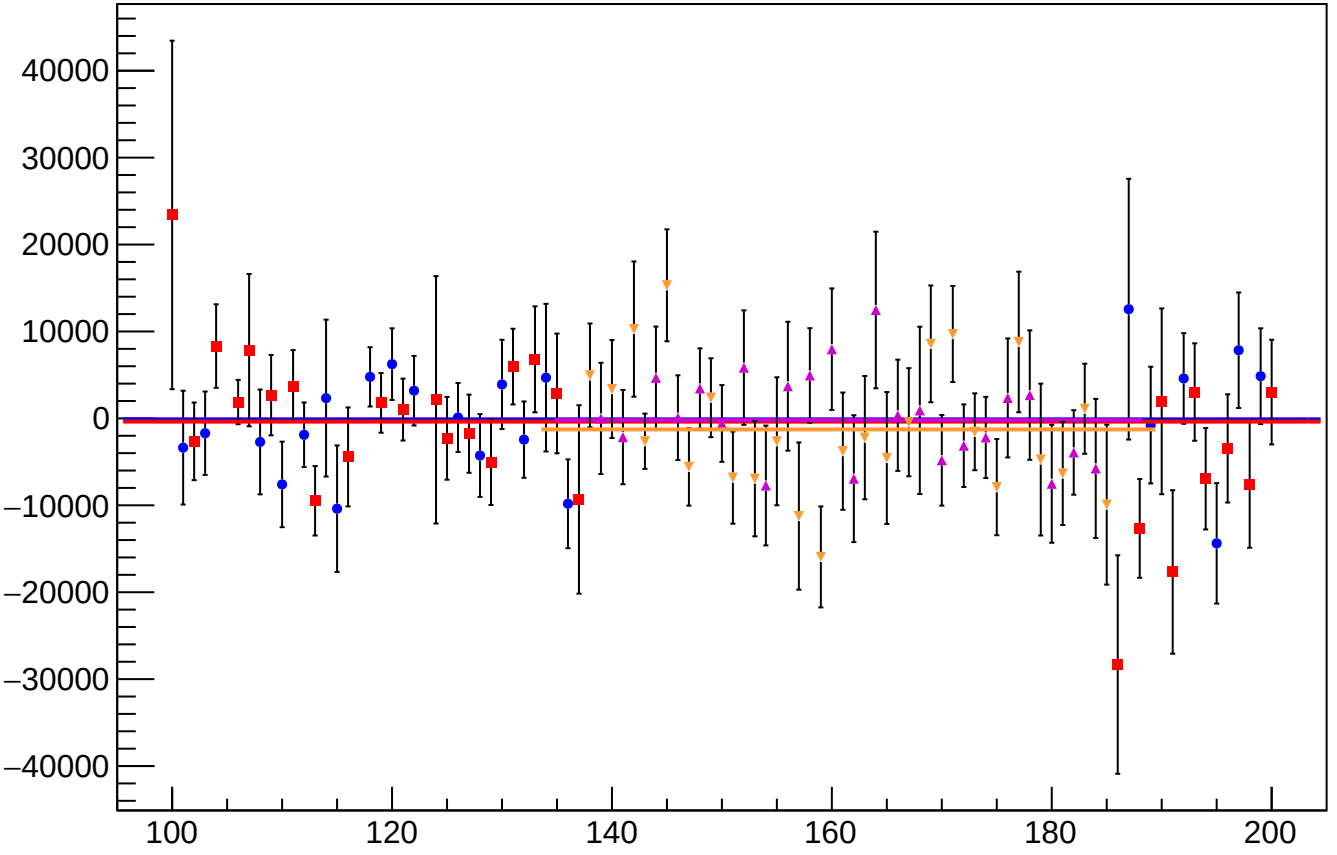
Right: 1789.729+/-0.257 χ^2/NDF: 1229608.6/49

In: 1860.889+/-0.242 χ^2/NDF:796075.2/44

Out: 1837.997+/-0.229 χ^2/NDF:896401.2/52

All: 1848.775+/-0.166 χ^2/NDF: 1697194.3/97

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -112.618+/-1093.663 χ^2/NDF: 23.9/21

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

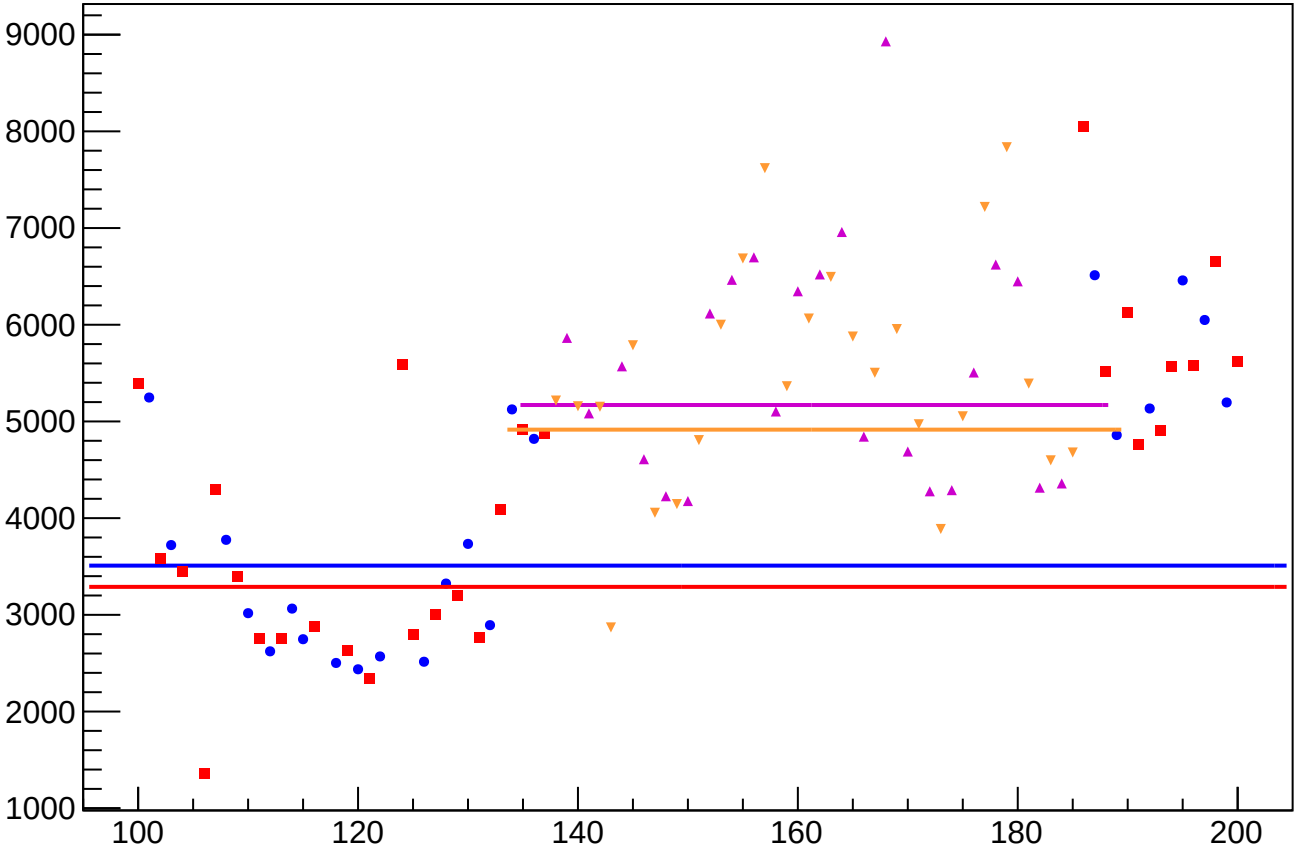
Right: -257.007+/-725.267 χ^2/NDF: 60.0/49

In: -149.686+/-818.633 χ^2/NDF:36.6/44

Out: -741.460+/-742.640 χ^2/NDF:69.9/52

All: -474.308+/-550.035 χ^2/NDF: 106.7/97

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3509.009+/-0.773 χ^2/NDF: 2302711.1/21

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

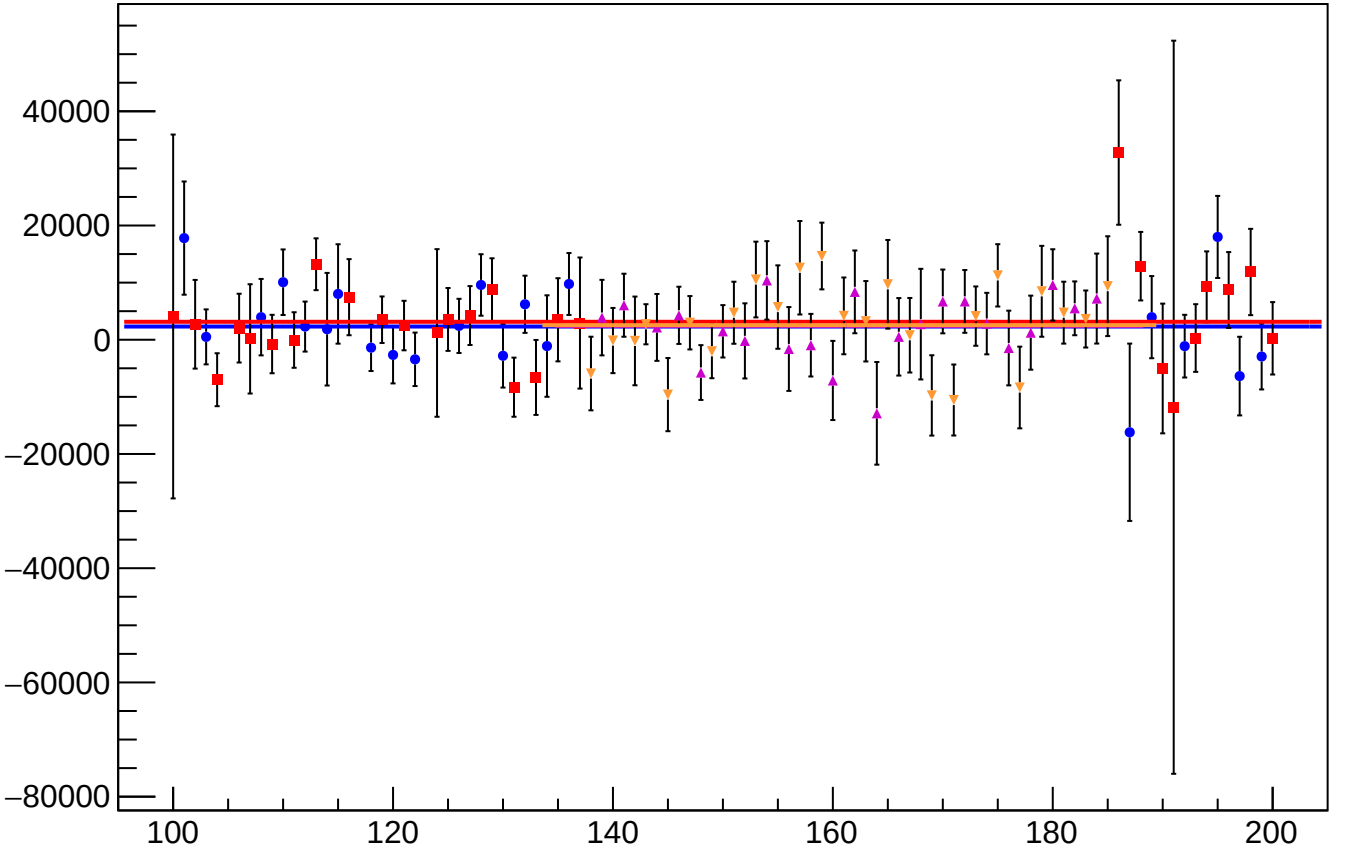
Right: 3385.901+/-0.513 χ^2/NDF: 6401768.5/49

In: 4239.381+/-0.579 χ^2/NDF:5679968.6/44

Out: 3960.164+/-0.525 χ^2/NDF:8543727.7/52

All: 4086.214+/-0.389 χ^2/NDF: 14351328.3/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2311.178+/-1238.016 χ^2/NDF: 22.6/21

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

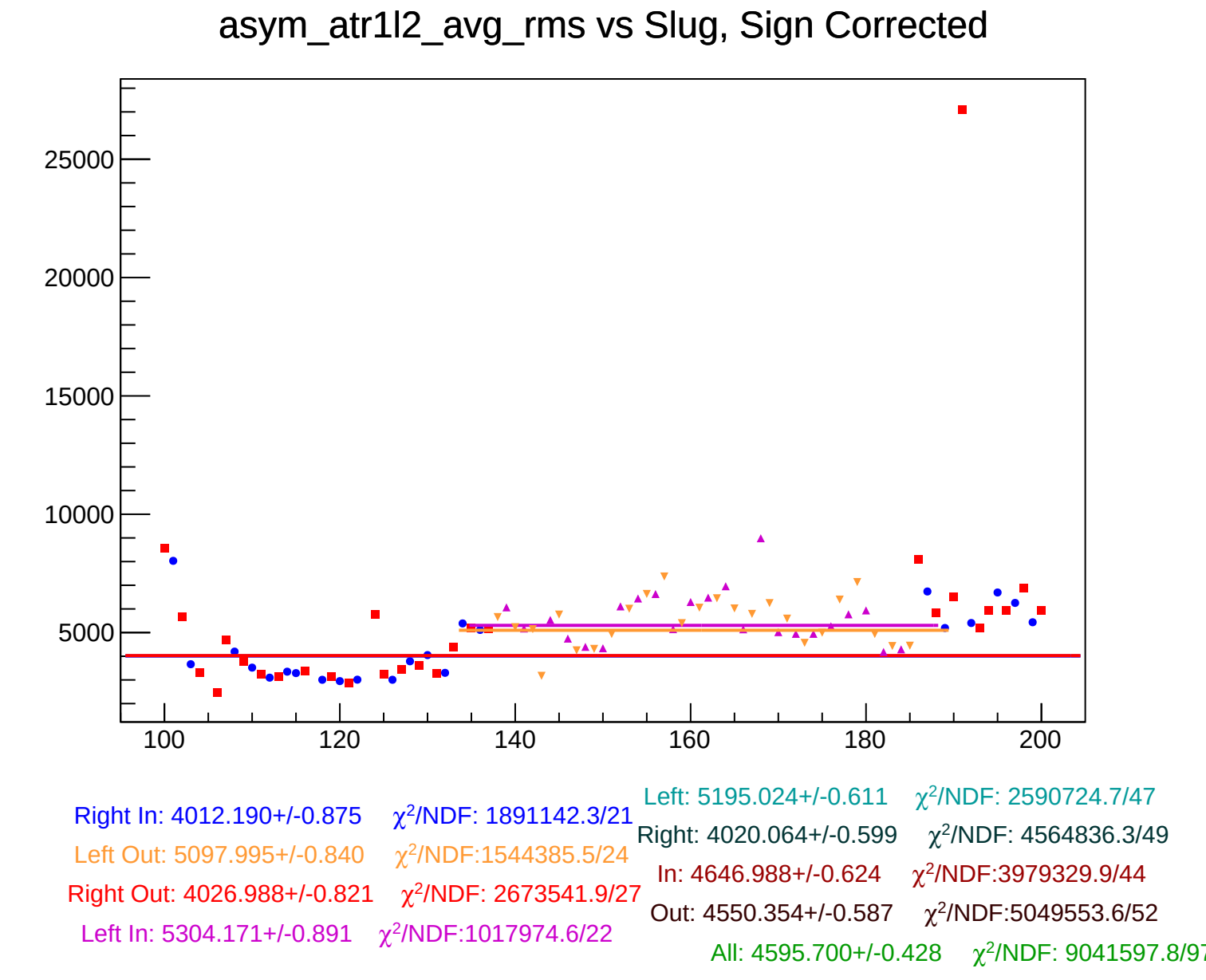
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

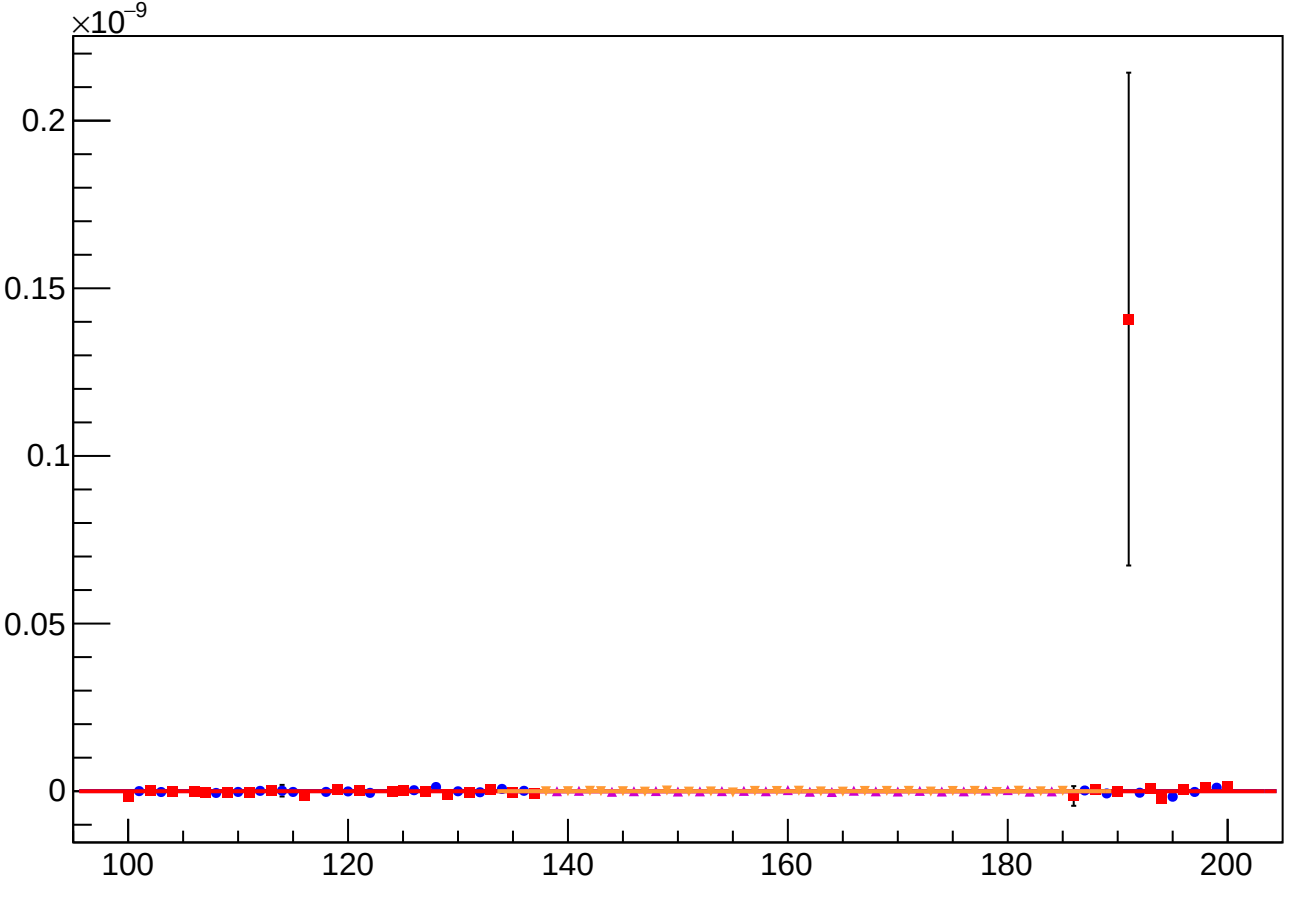
Right: 2748.451+/-852.251 χ^2/NDF: 54.5/49

In: 2366.129+/-882.960 χ^2/NDF:37.6/44

Out: 2847.897+/-835.288 χ^2/NDF:60.8/52

All: 2620.369+/-606.791 χ^2/NDF: 98.6/97


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4012.190+/-0.875 χ²/NDF: 1891142.3/21
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: 4020.064+/-0.599 χ²/NDF: 4564836.3/49
In: 4646.988+/-0.624 χ²/NDF:3979329.9/44
Out: 4550.354+/-0.587 χ²/NDF:5049553.6/52
All: 4595.700+/-0.428 χ²/NDF: 9041597.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/21

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

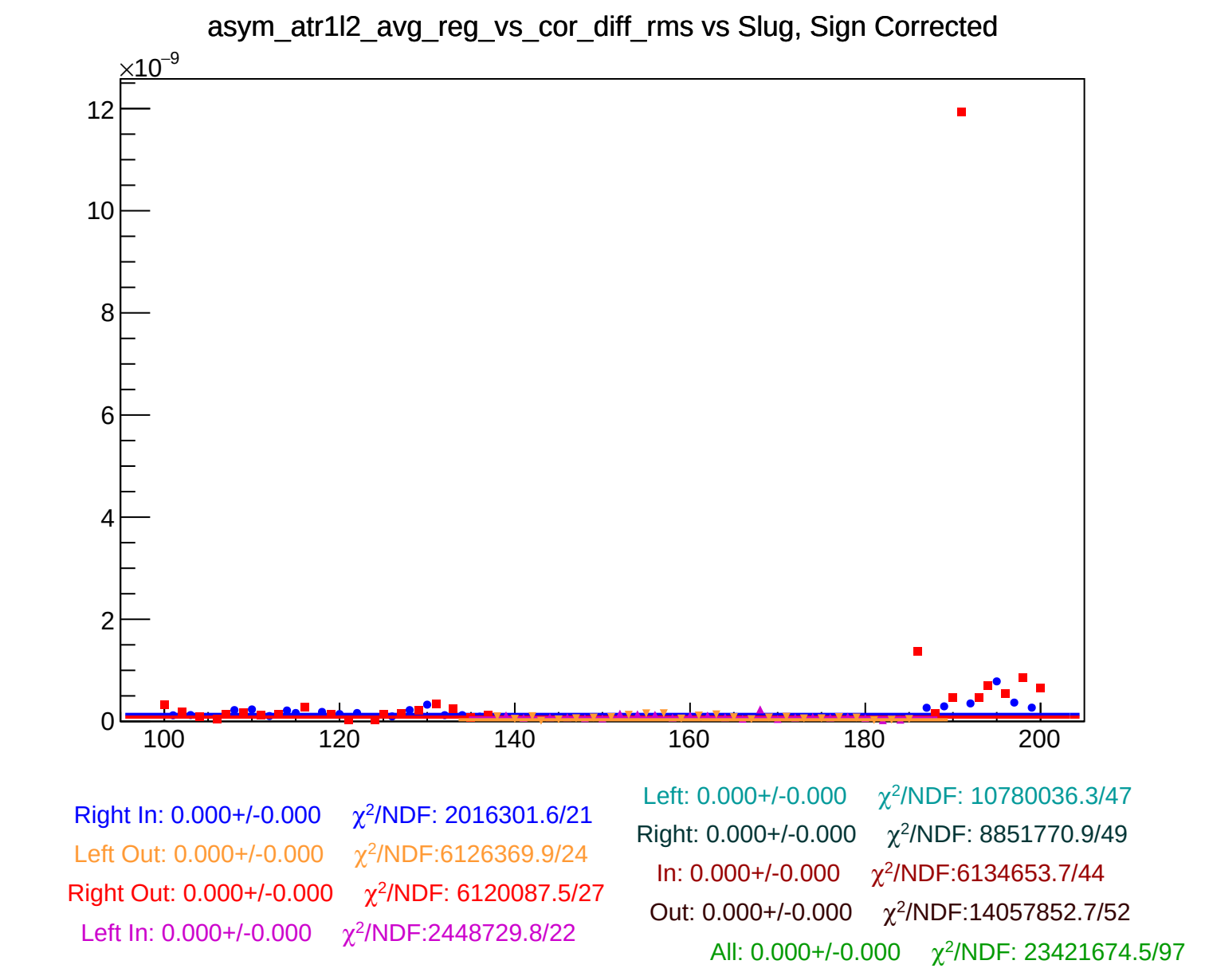
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

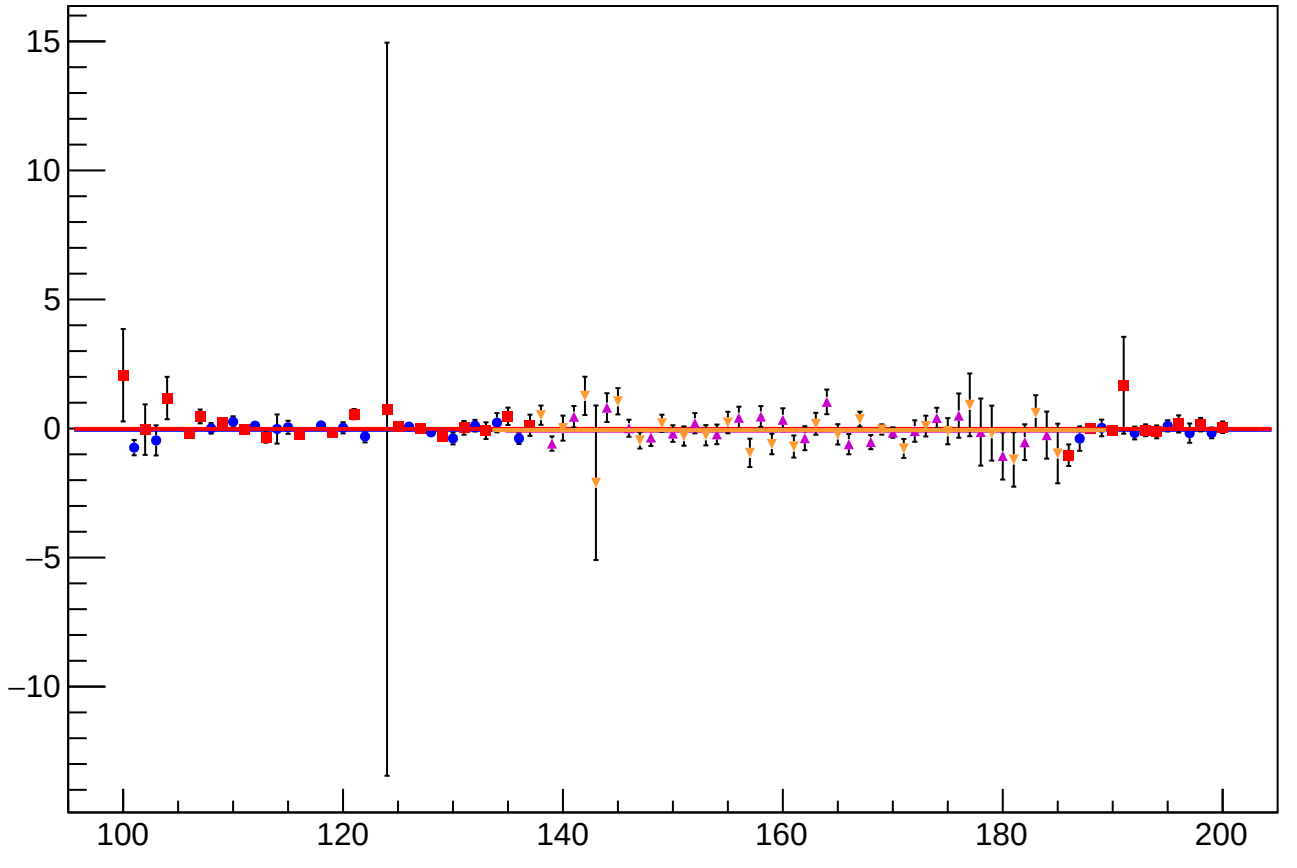
Right: 0.000+/-0.000 χ^2/NDF: 63.7/49

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: 0.000+/-0.000 χ^2/NDF:53.4/52

All: 0.000+/-0.000 χ^2/NDF: 101.9/97


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2016301.6/21
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6120087.5/27
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 8851770.9/49
In: 0.000+/-0.000 χ²/NDF:6134653.7/44
Out: 0.000+/-0.000 χ²/NDF:14057852.7/52
All: 0.000+/-0.000 χ²/NDF: 23421674.5/97



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

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

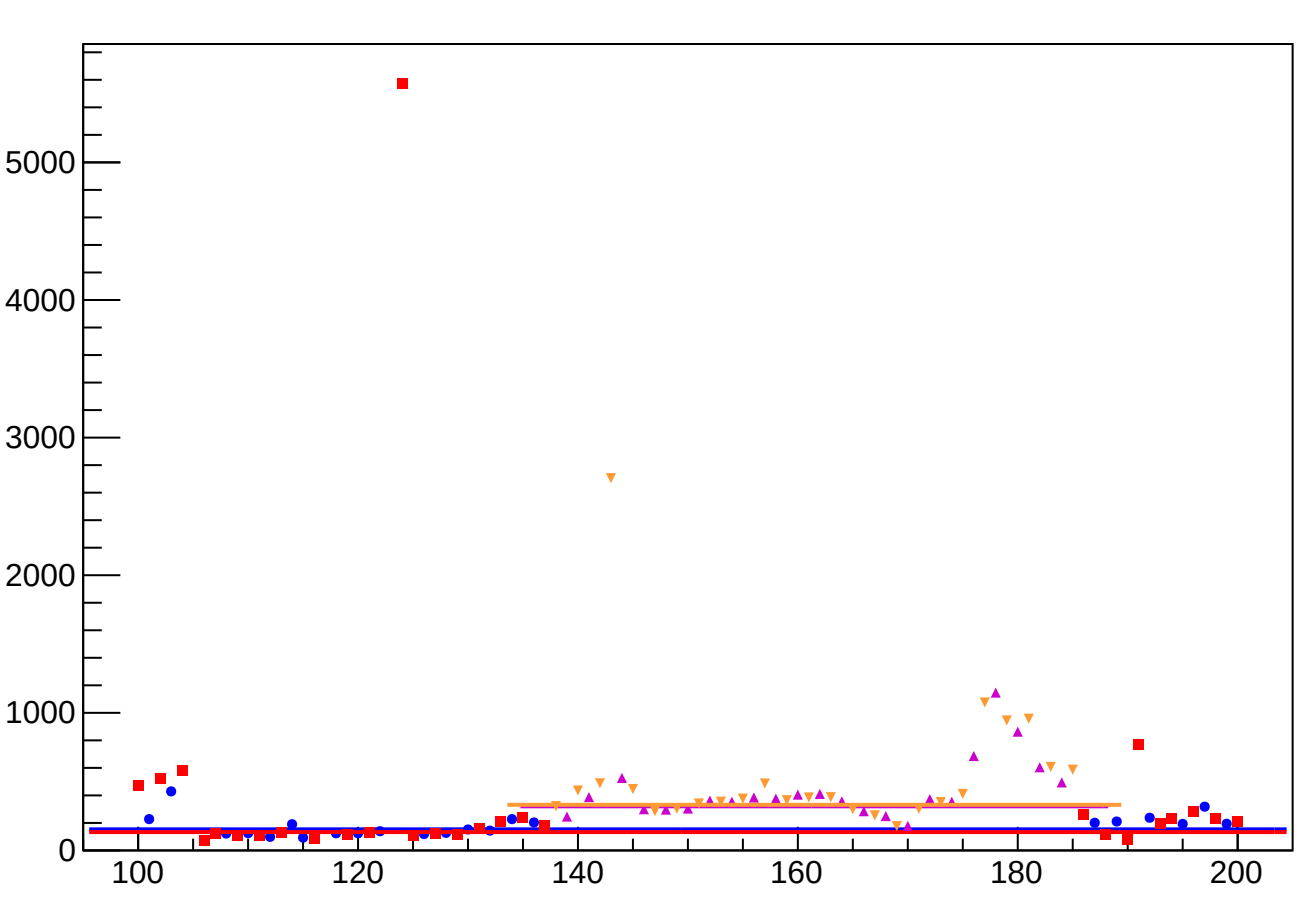
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.030+/-0.032 χ^2/NDF: 56.8/49

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.040+/-0.028 χ^2/NDF: 115.1/97



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

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

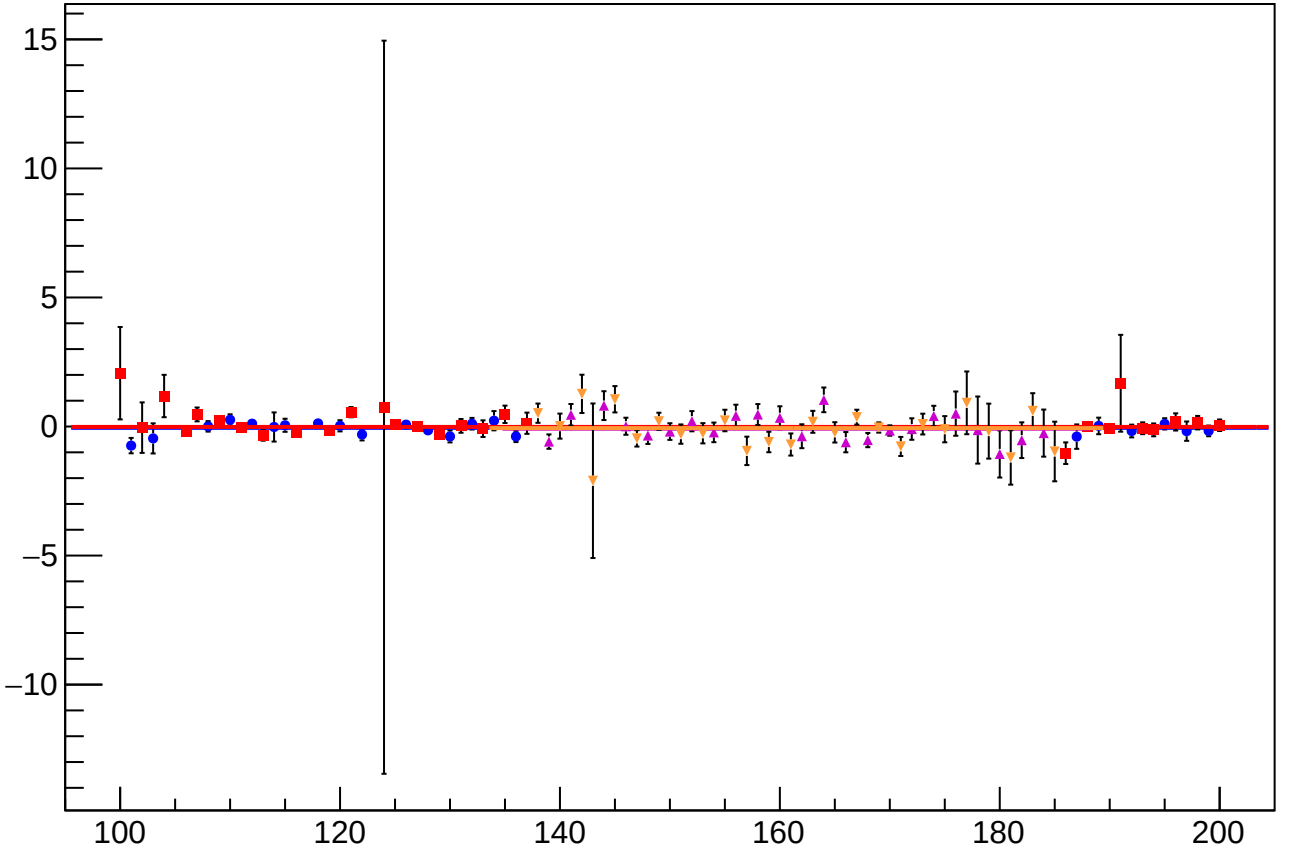
Right: 141.713+/-0.023 χ^2/NDF: 6780414.1/49

In: 199.149+/-0.030 χ^2/NDF:12711195.8/44

Out: 173.351+/-0.027 χ^2/NDF:19111607.7/52

All: 184.674+/-0.020 χ^2/NDF: 32237173.1/97

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

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

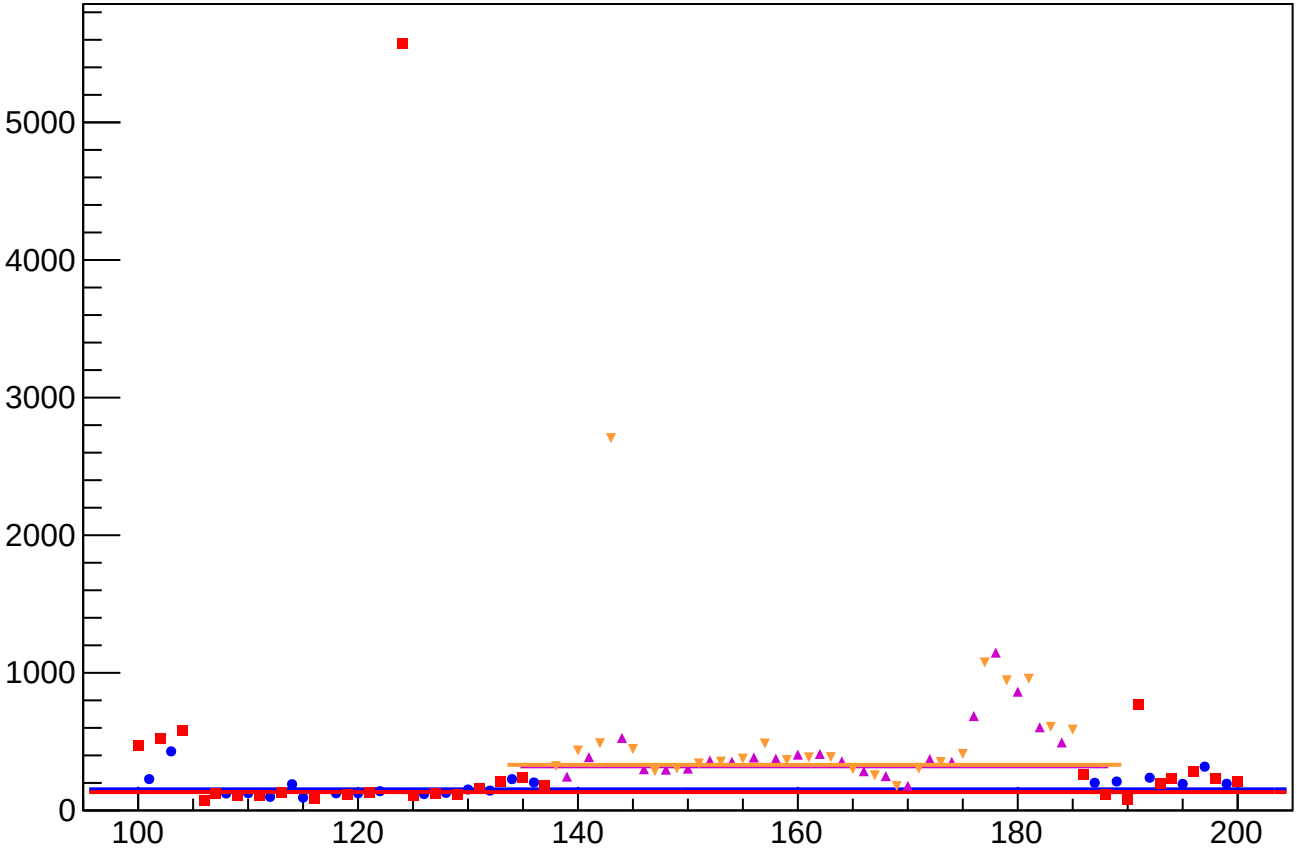
Right: -0.030+/-0.032 χ^2/NDF: 56.8/49

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.040+/-0.028 χ^2/NDF: 115.1/97

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

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

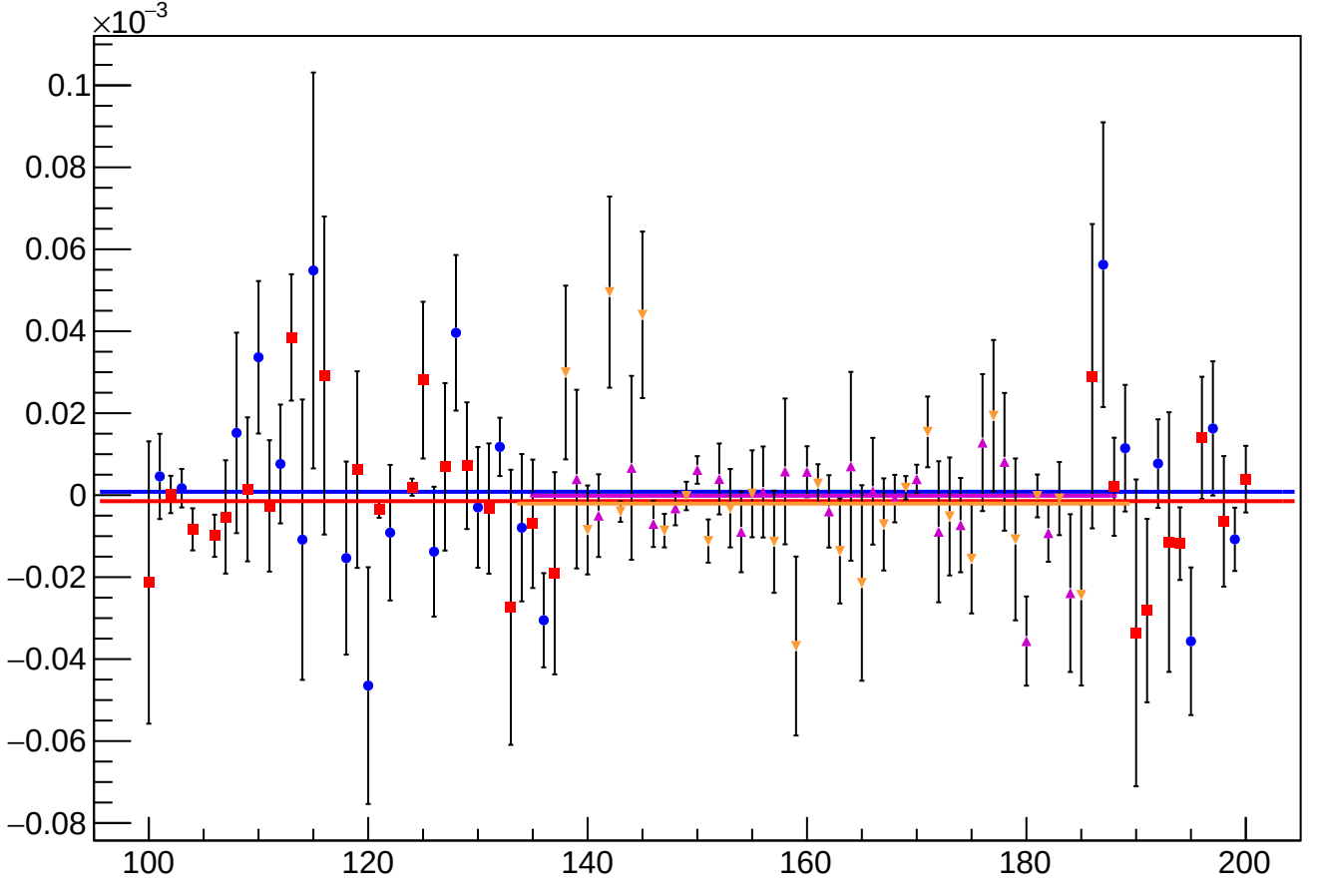
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 141.713+/-0.023 χ^2/NDF: 6780414.1/49

In: 199.149+/-0.030 χ^2/NDF:12711195.8/44

Out: 173.351+/-0.027 χ^2/NDF:19111607.7/52

All: 184.674+/-0.020 χ^2/NDF: 32237173.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/21

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

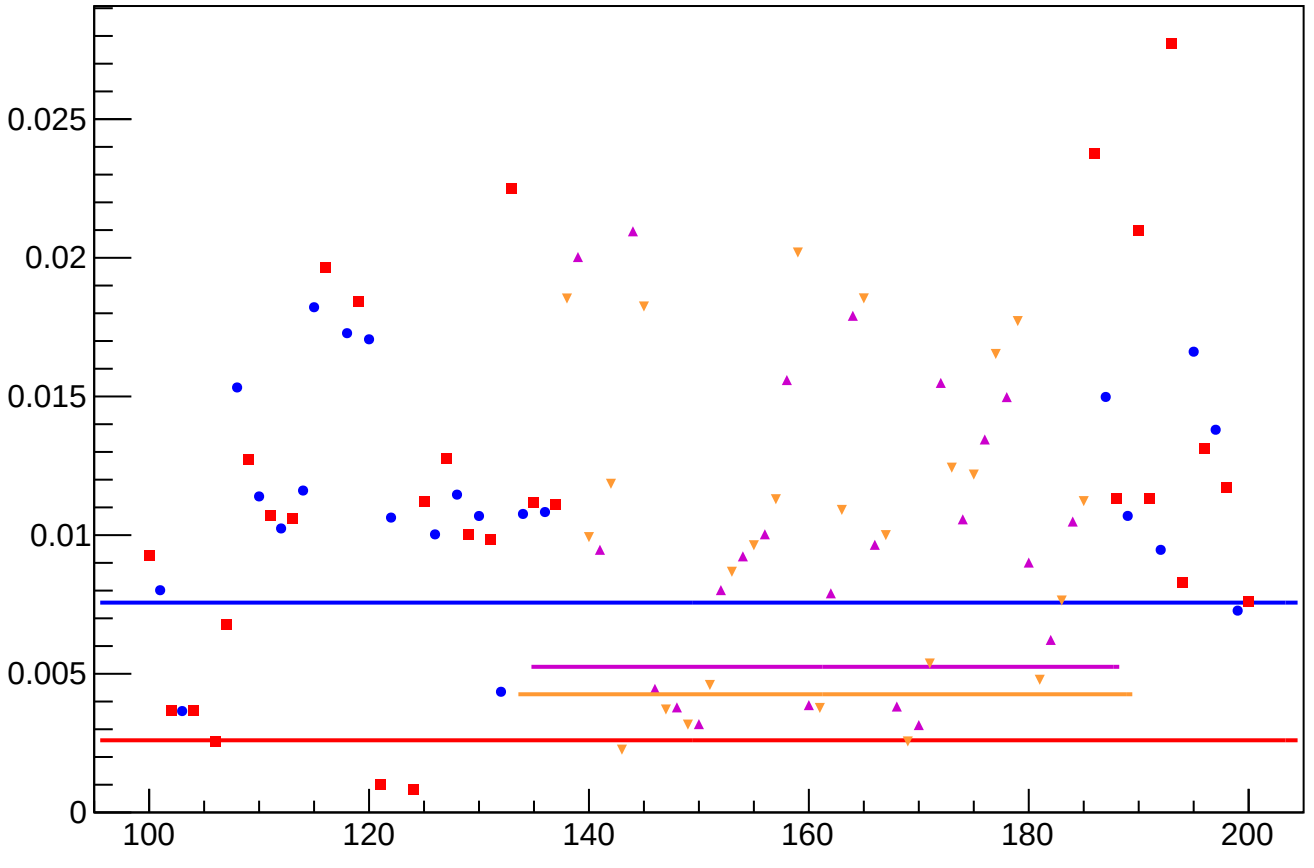
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.4/49

In: 0.000+/-0.000 χ^2/NDF:59.5/44

Out: -0.000+/-0.000 χ^2/NDF:61.2/52

All: -0.000+/-0.000 χ^2/NDF: 122.1/97



Right In: 0.008+/-0.000 χ^2/NDF: 4380724.0/21

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

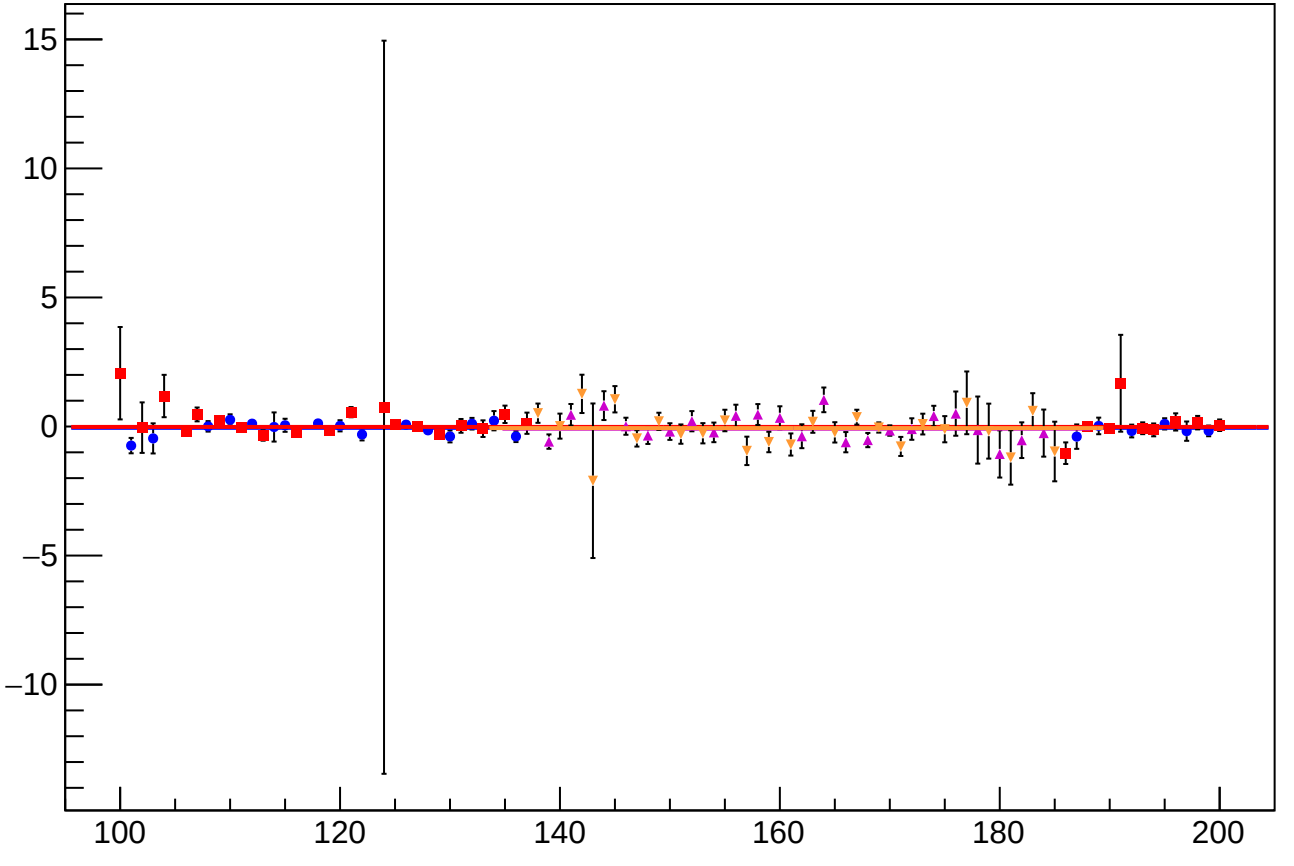
Right: 0.004+/-0.000 χ^2/NDF: 26874403.9/49

In: 0.006+/-0.000 χ^2/NDF:15110881.6/44

Out: 0.003+/-0.000 χ^2/NDF:31202959.9/52

All: 0.004+/-0.000 χ^2/NDF: 51142567.1/97

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

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

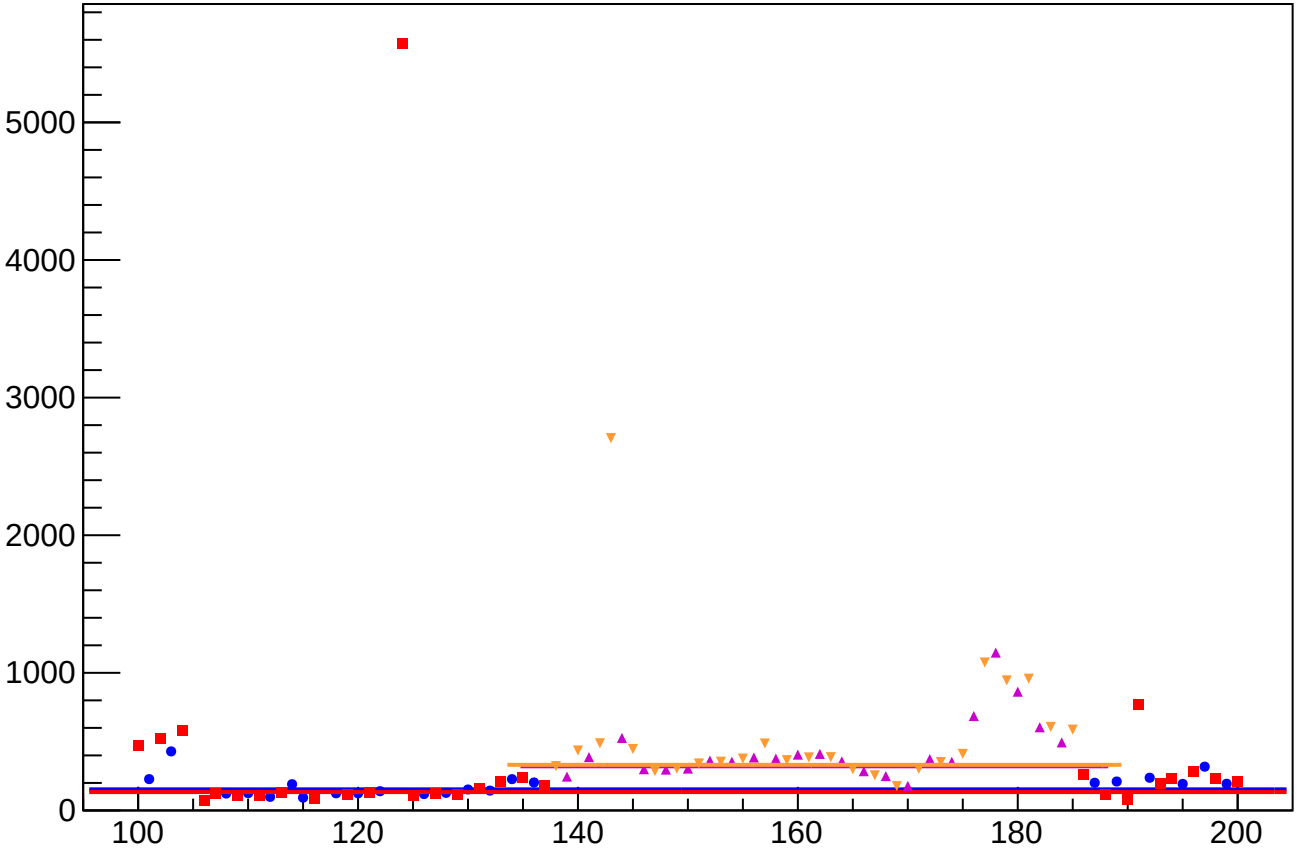
Right: -0.030+/-0.032 χ^2/NDF: 56.8/49

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.040+/-0.028 χ^2/NDF: 115.1/97

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

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

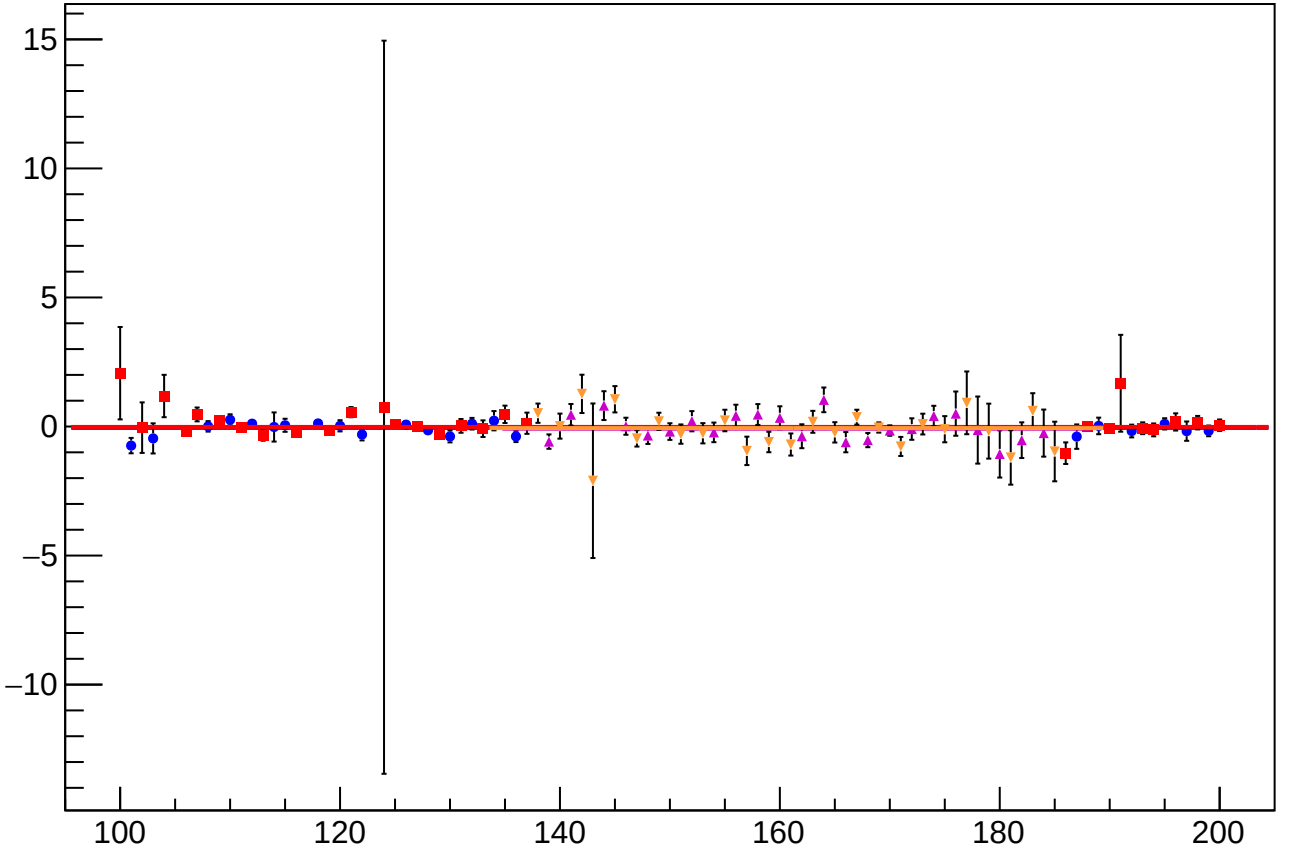
Right: 141.713+/-0.023 χ^2/NDF: 6780335.4/49

In: 199.150+/-0.030 χ^2/NDF:12711163.2/44

Out: 173.350+/-0.027 χ^2/NDF:19111771.6/52

All: 184.674+/-0.020 χ^2/NDF: 32237353.4/97

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

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

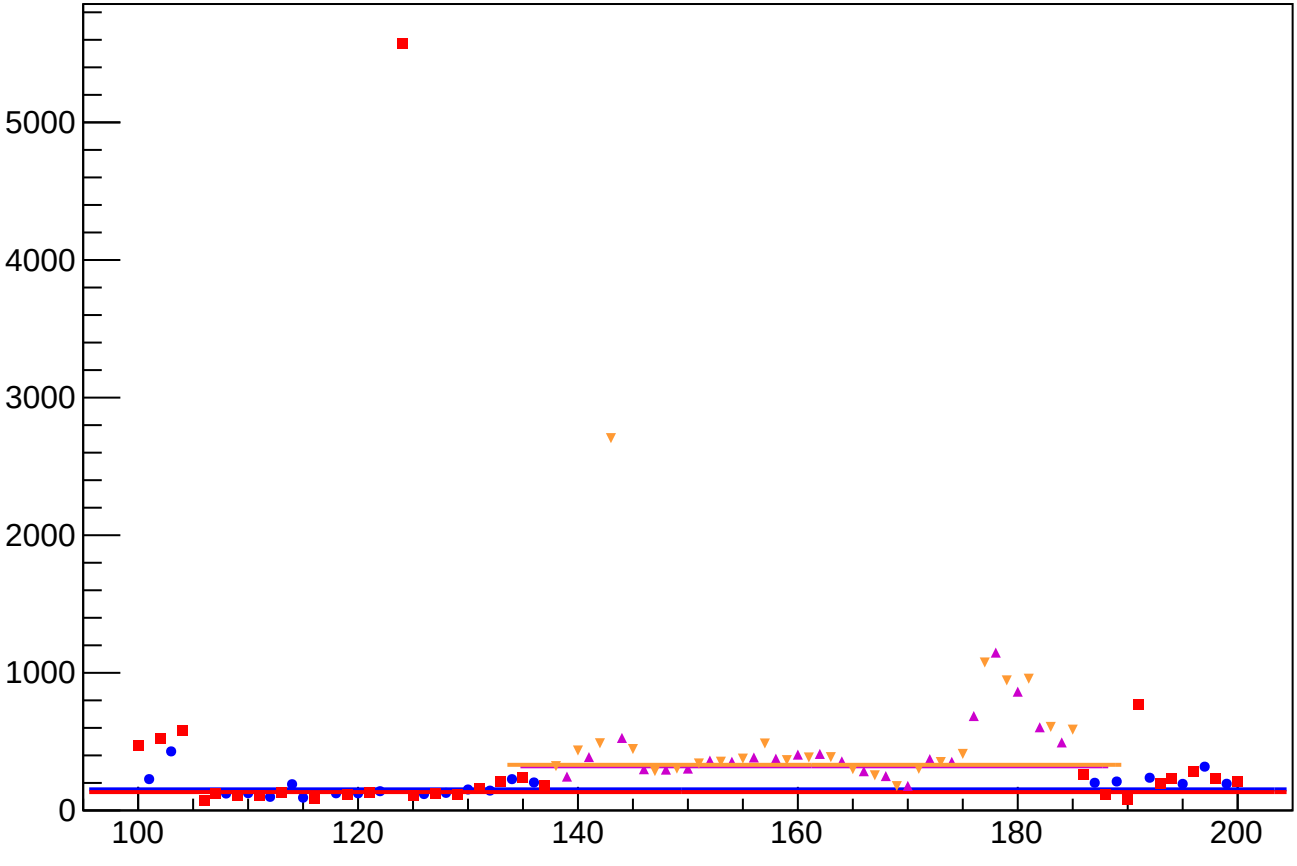
Right: -0.030+/-0.032 χ^2/NDF: 56.8/49

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.025+/-0.038 χ^2/NDF:67.8/52

All: -0.040+/-0.028 χ^2/NDF: 115.1/97

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

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

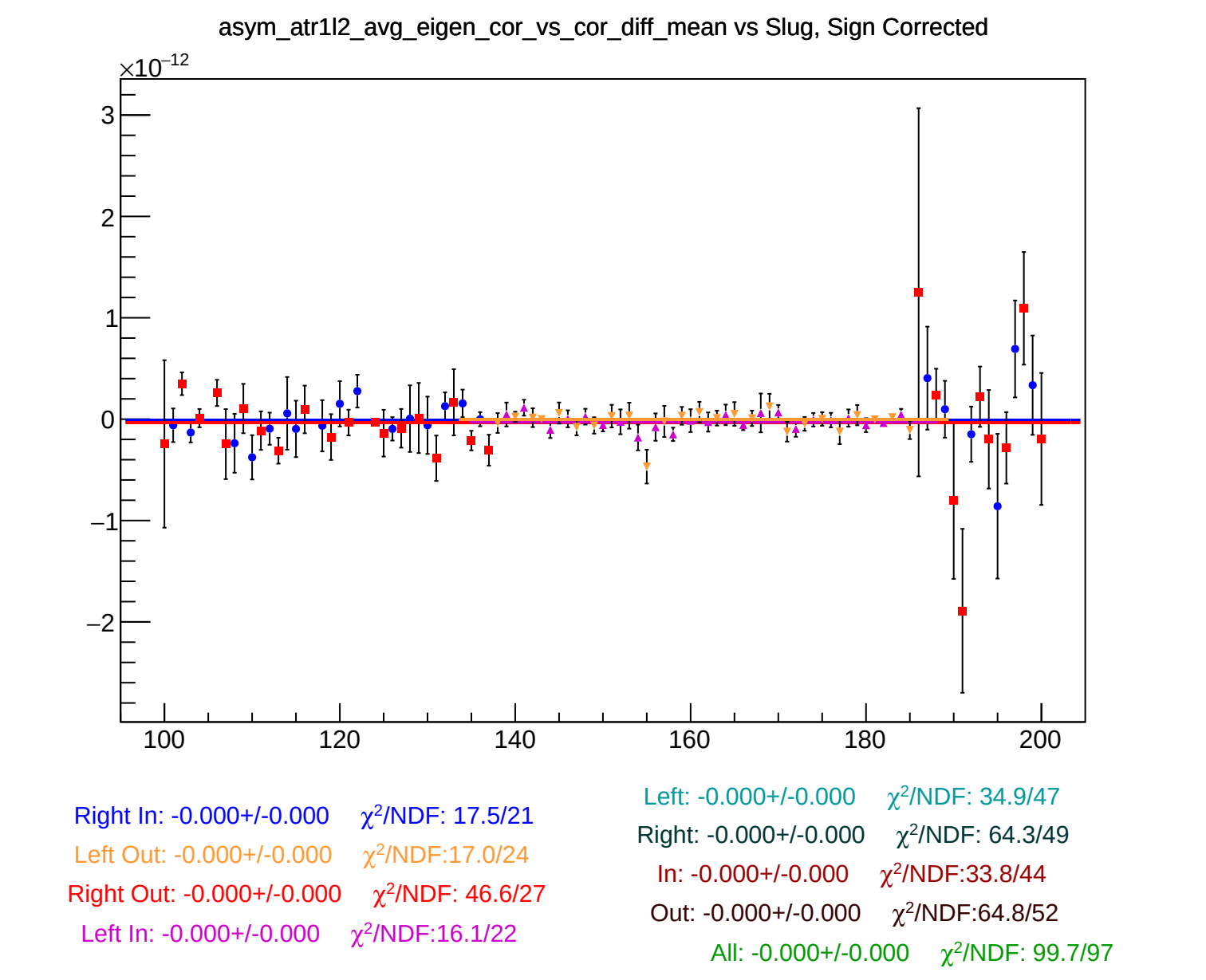
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

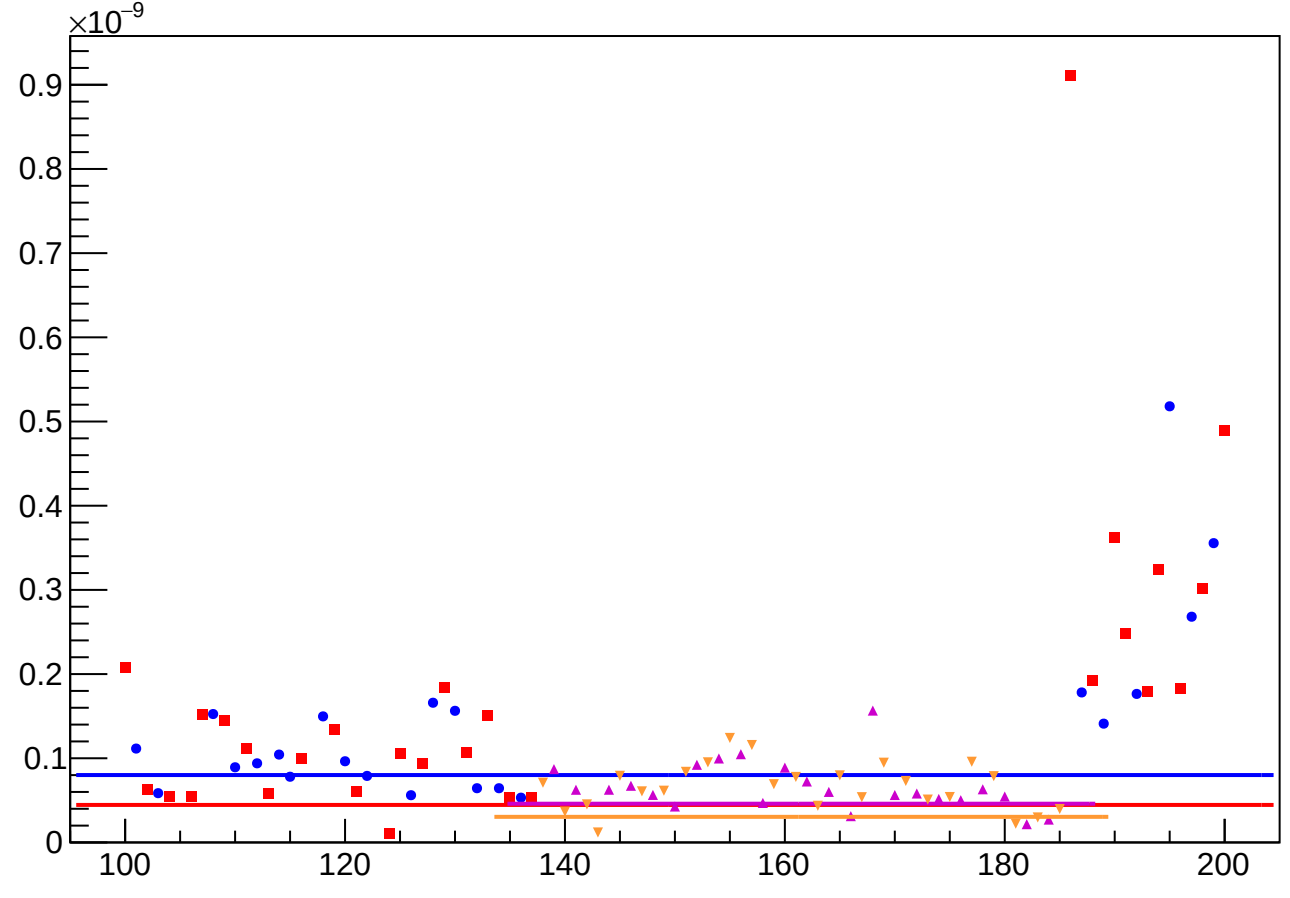
Right: 141.713+/-0.023 χ^2/NDF: 6780335.4/49

In: 199.150+/-0.030 χ^2/NDF:12711163.2/44

Out: 173.350+/-0.027 χ^2/NDF:19111771.6/52

All: 184.674+/-0.020 χ^2/NDF: 32237353.4/97


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: 17.5/21
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: 64.3/49
In: -0.000+/-0.000 χ²/NDF:33.8/44
Out: -0.000+/-0.000 χ²/NDF:64.8/52
All: -0.000+/-0.000 χ²/NDF: 99.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 3319108.3/21

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

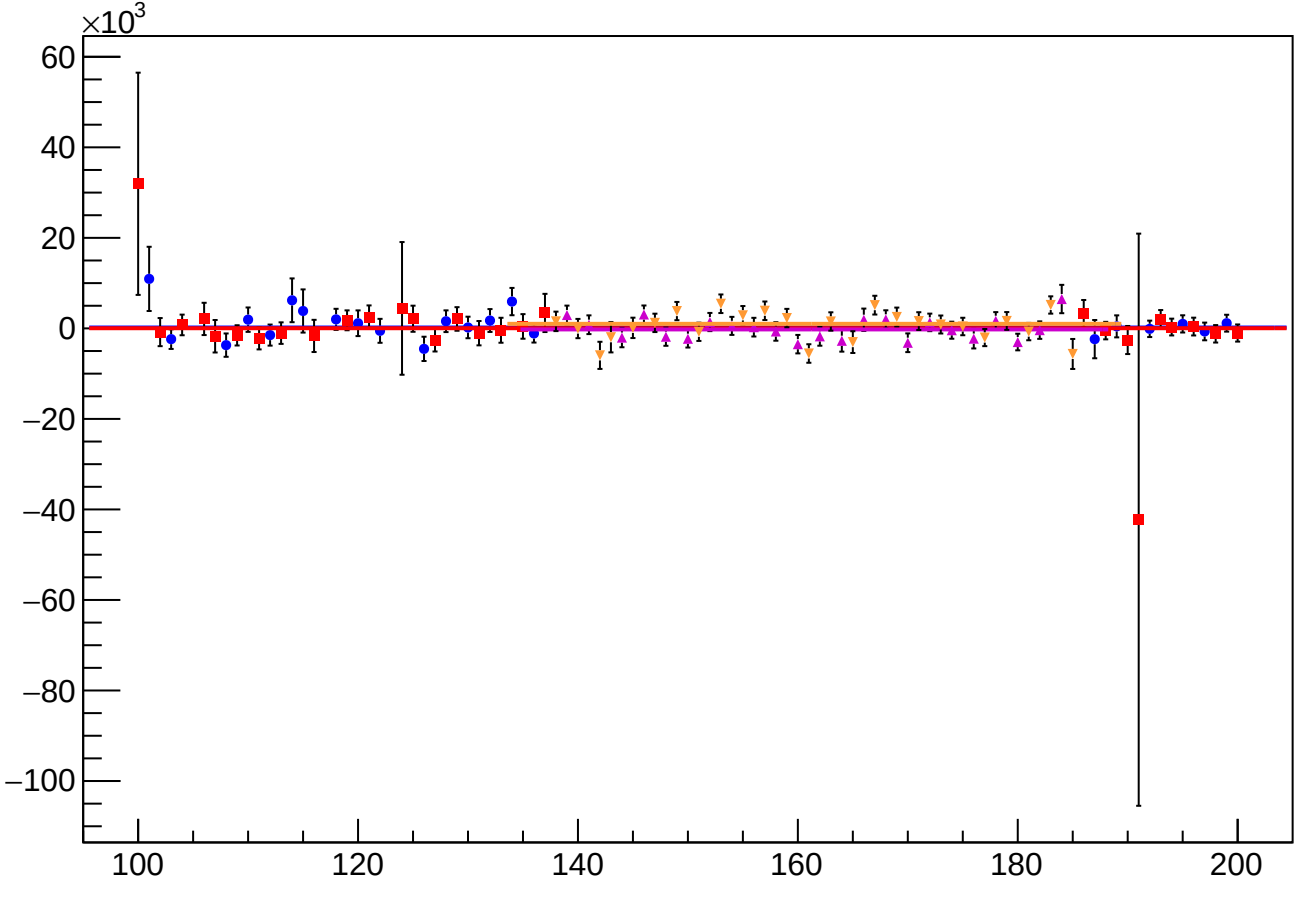
Right: 0.000+/-0.000 χ^2/NDF: 13315502.1/49

In: 0.000+/-0.000 χ^2/NDF:9742287.9/44

Out: 0.000+/-0.000 χ^2/NDF:19753937.2/52

All: 0.000+/-0.000 χ^2/NDF: 31840344.8/97

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 188.063+/-526.811 χ^2/NDF: 18.7/21

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

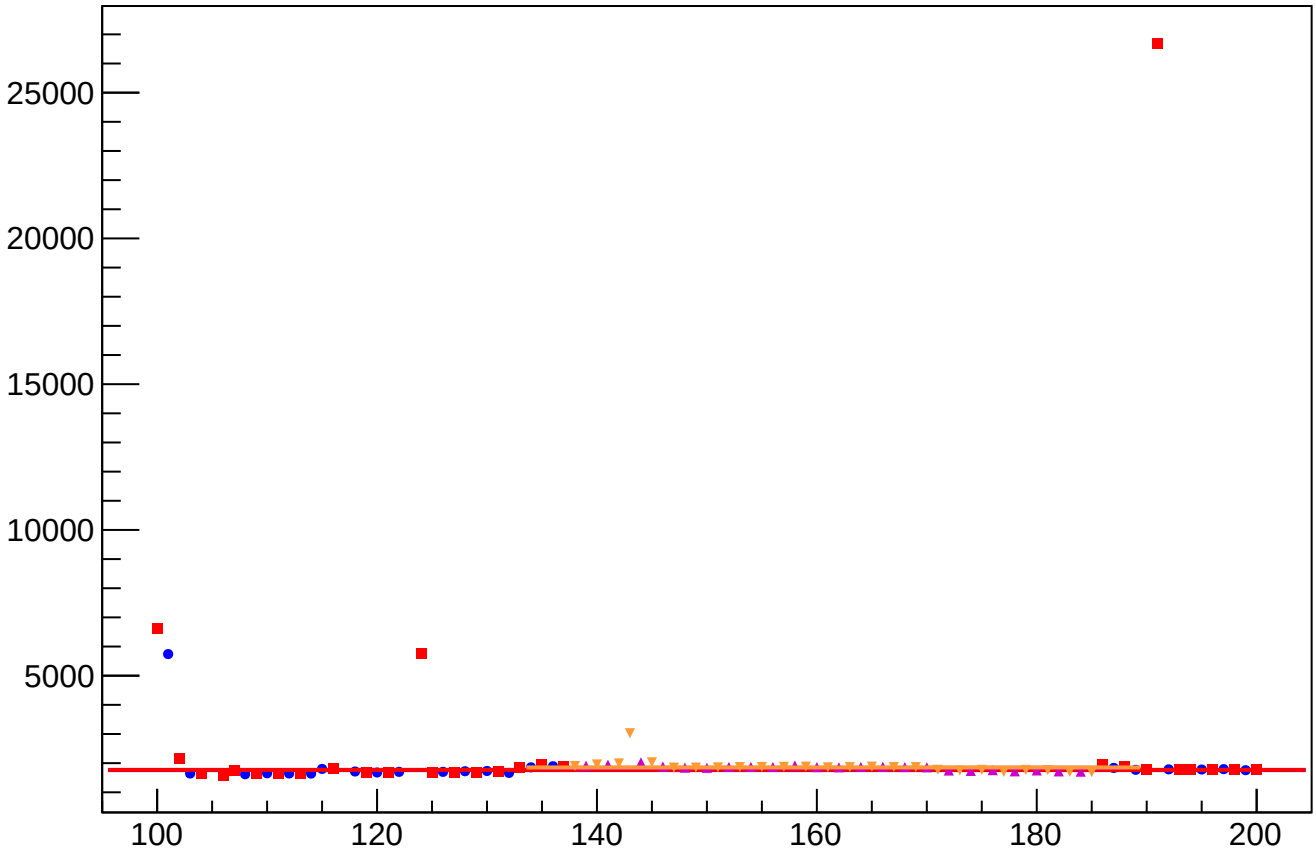
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 106.524+/-359.113 χ^2/NDF: 31.8/49

In: -62.573+/-332.980 χ^2/NDF:45.5/44

Out: 591.903+/-320.242 χ^2/NDF:62.7/52

All: 277.422+/-230.817 χ^2/NDF: 110.1/97



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.3/21

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

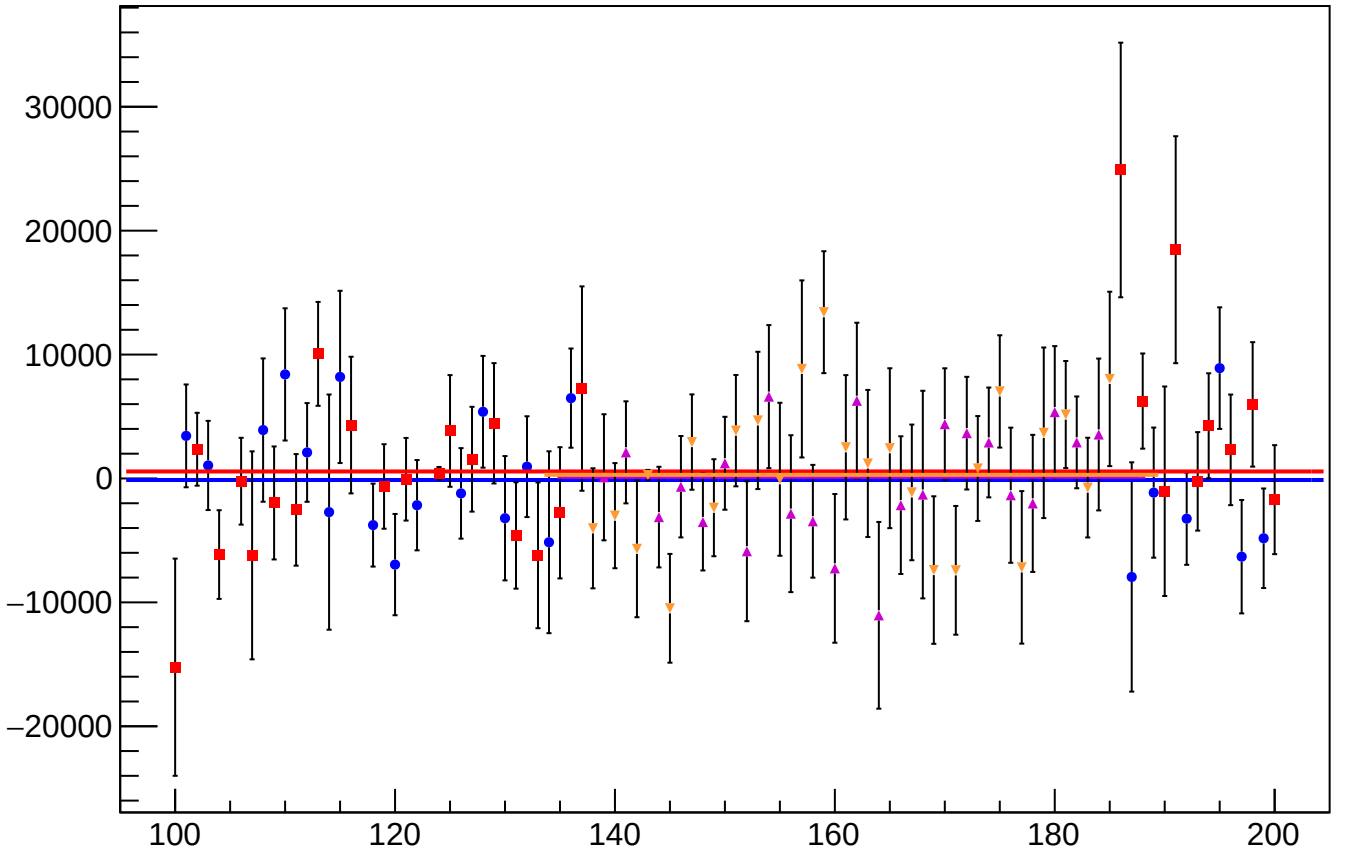
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.730+/-0.253 χ^2/NDF: 1310234.9/49

In: 1807.871+/-0.235 χ^2/NDF:766019.2/44

Out: 1816.856+/-0.226 χ^2/NDF:992336.9/52

All: 1812.546+/-0.163 χ^2/NDF: 1759114.0/97



Right In: -123.098+/-955.208 χ^2/NDF: 23.2/21

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

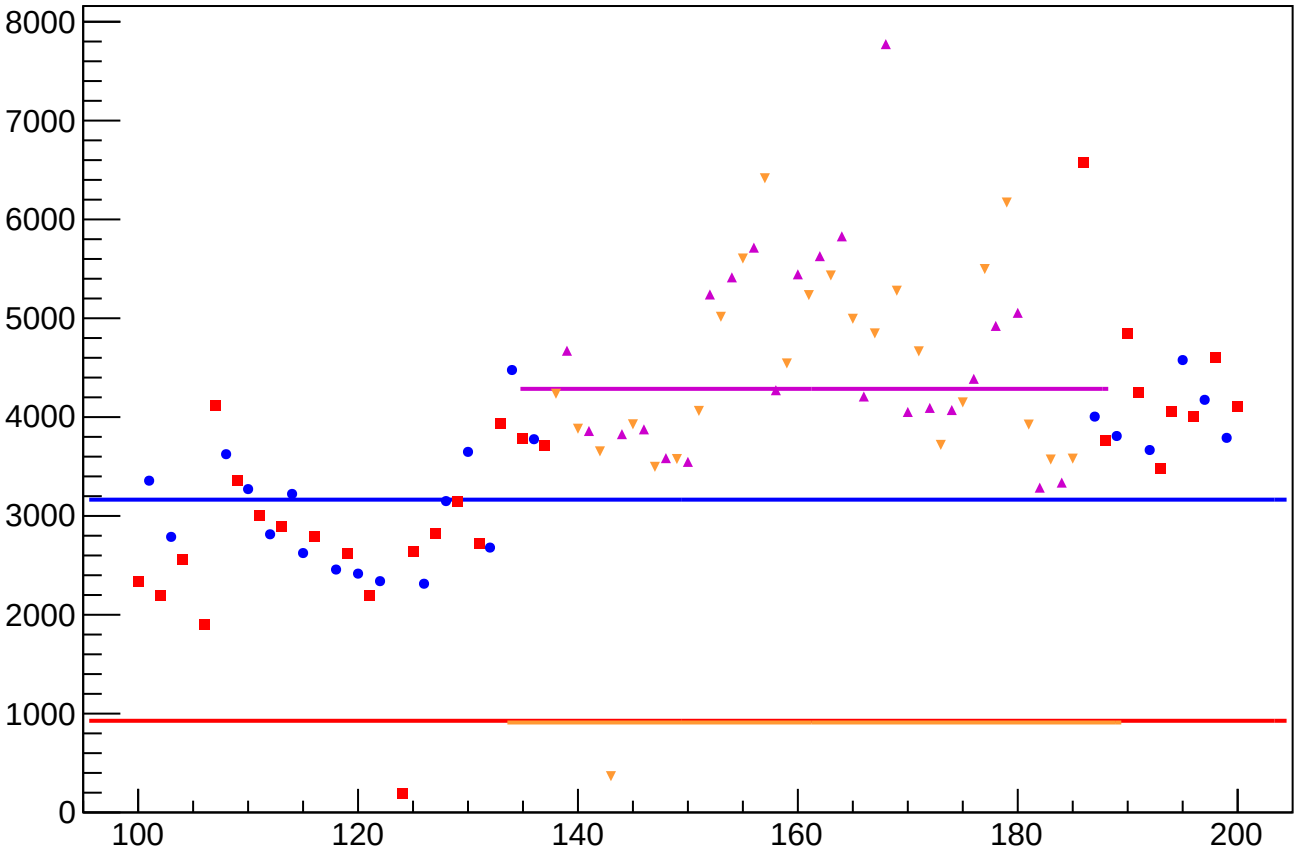
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 444.605+/-400.705 χ^2/NDF: 57.2/49

In: -1.316+/-698.153 χ^2/NDF:37.2/44

Out: 409.913+/-287.955 χ^2/NDF:63.8/52

All: 350.126+/-266.201 χ^2/NDF: 101.2/97



Right In: 3164.785+/-0.675 χ^2/NDF: 986464.3/21

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

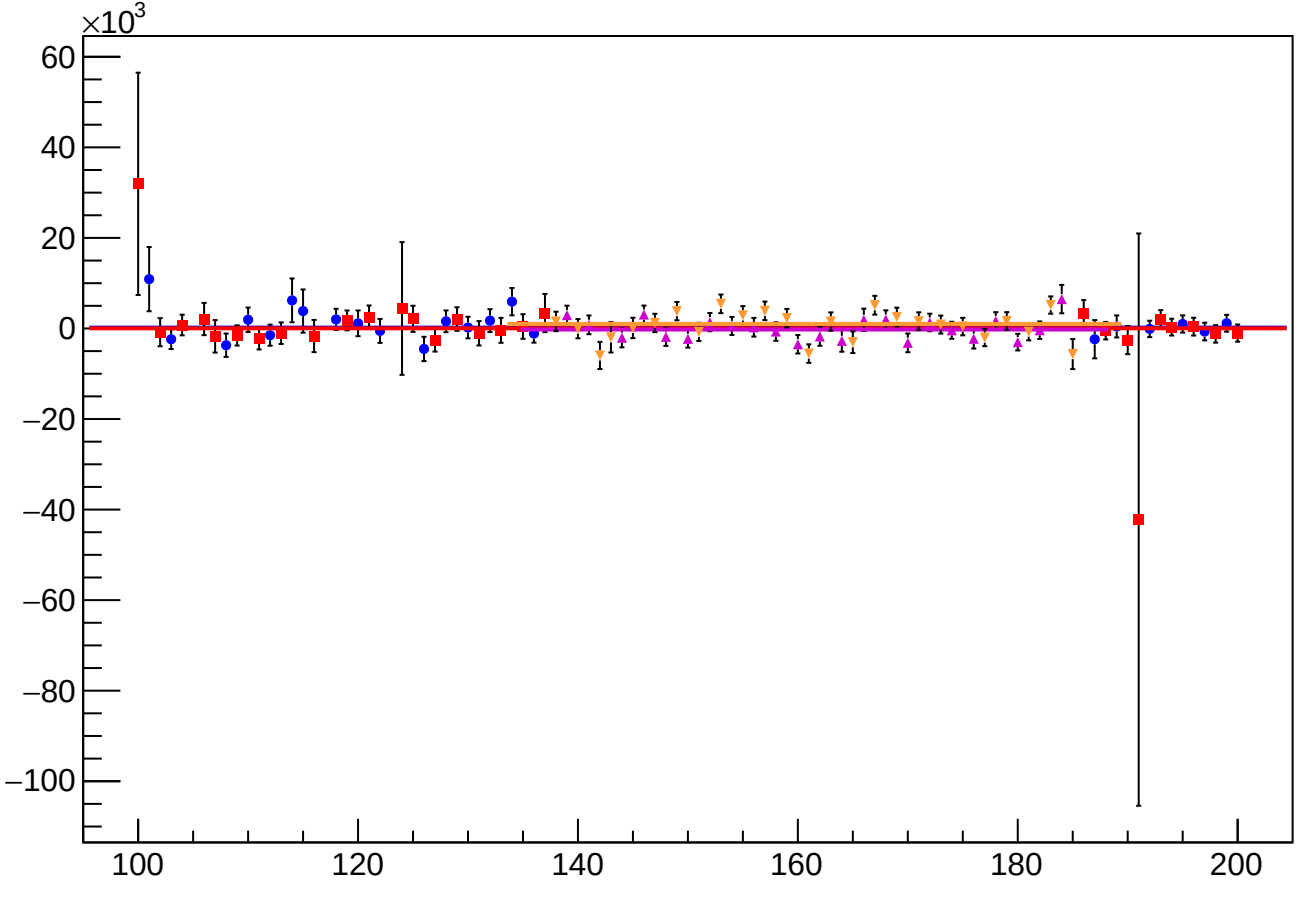
Right: 1321.196+/-0.283 χ^2/NDF: 28090572.7/49

In: 3686.970+/-0.494 χ^2/NDF:3597583.5/44

Out: 917.517+/-0.204 χ^2/NDF:44838873.4/52

All: 1320.154+/-0.188 χ^2/NDF: 75332452.6/9

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

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

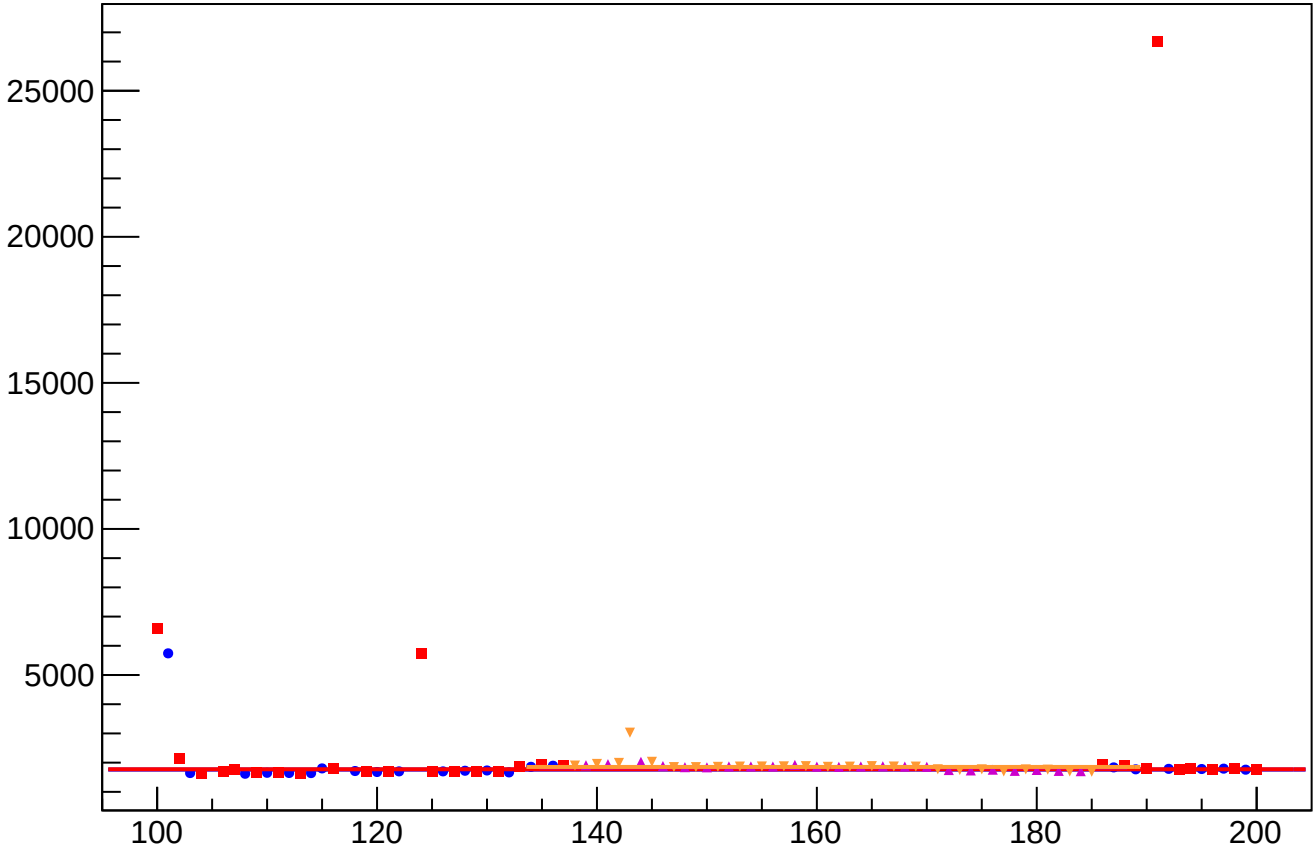
Right: 106.404+/-359.113 χ^2/NDF: 31.8/49

In: -62.616+/-332.980 χ^2/NDF:45.4/44

Out: 591.870+/-320.242 χ^2/NDF:62.7/52

All: 277.385+/-230.817 χ^2/NDF: 110.1/97

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

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

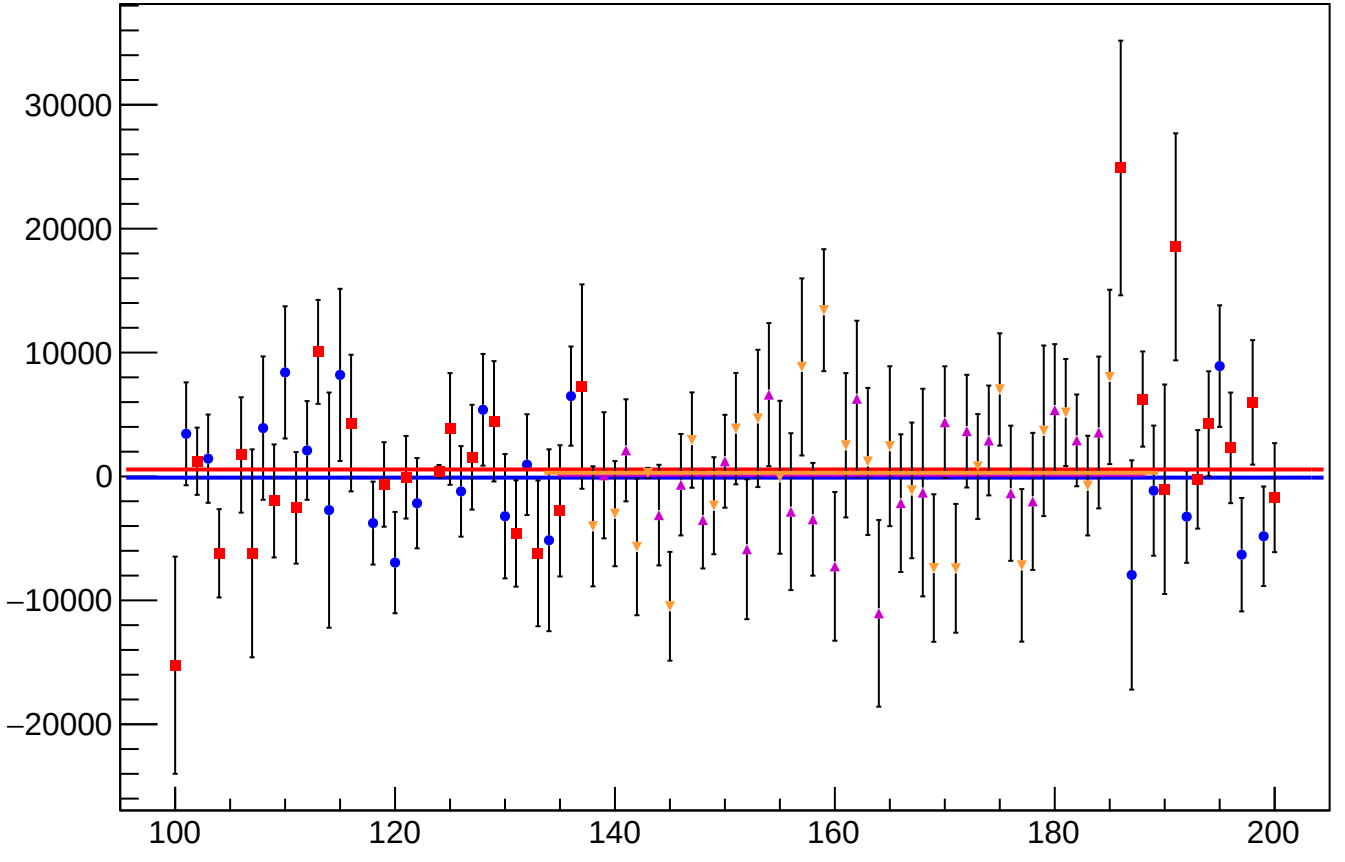
Right: 1767.811+/-0.254 χ^2/NDF: 1302127.0/49

In: 1807.871+/-0.235 χ^2/NDF:766019.6/44

Out: 1818.601+/-0.226 χ^2/NDF:980840.1/52

All: 1813.450+/-0.163 χ^2/NDF: 1747939.6/97

asym_atr1l2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

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

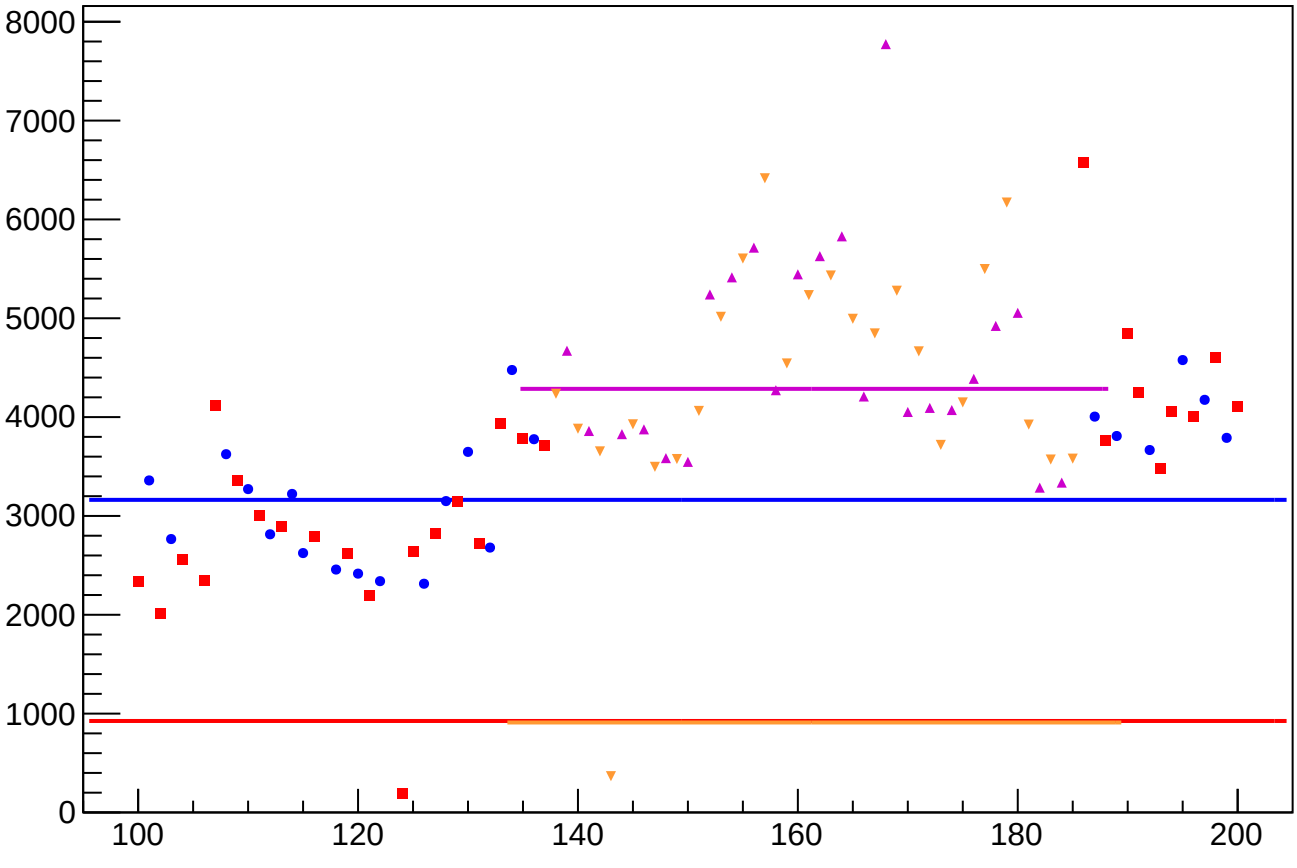
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 448.320+/-401.267 χ^2/NDF: 57.1/49

In: 14.324+/-697.887 χ^2/NDF:37.3/44

Out: 409.688+/-288.195 χ^2/NDF:63.6/52

All: 352.089+/-266.376 χ^2/NDF: 101.1/97



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

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

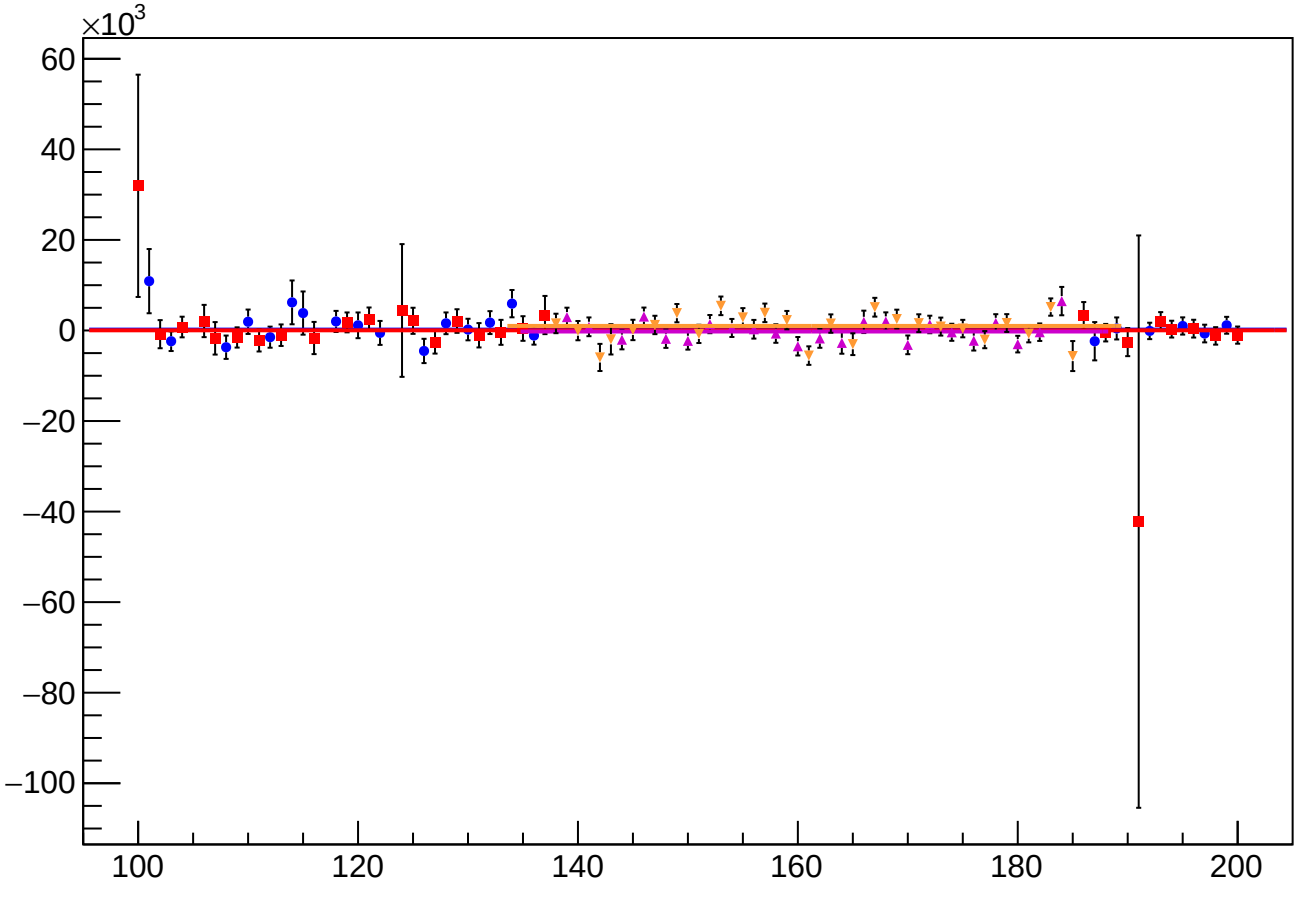
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1320.892+/-0.284 χ^2/NDF: 28066656.6/49

In: 3685.488+/-0.493 χ^2/NDF:3606331.2/44

Out: 916.739+/-0.204 χ^2/NDF:44806022.4/52

All: 1320.108+/-0.188 χ^2/NDF: 75305641.5/9



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

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

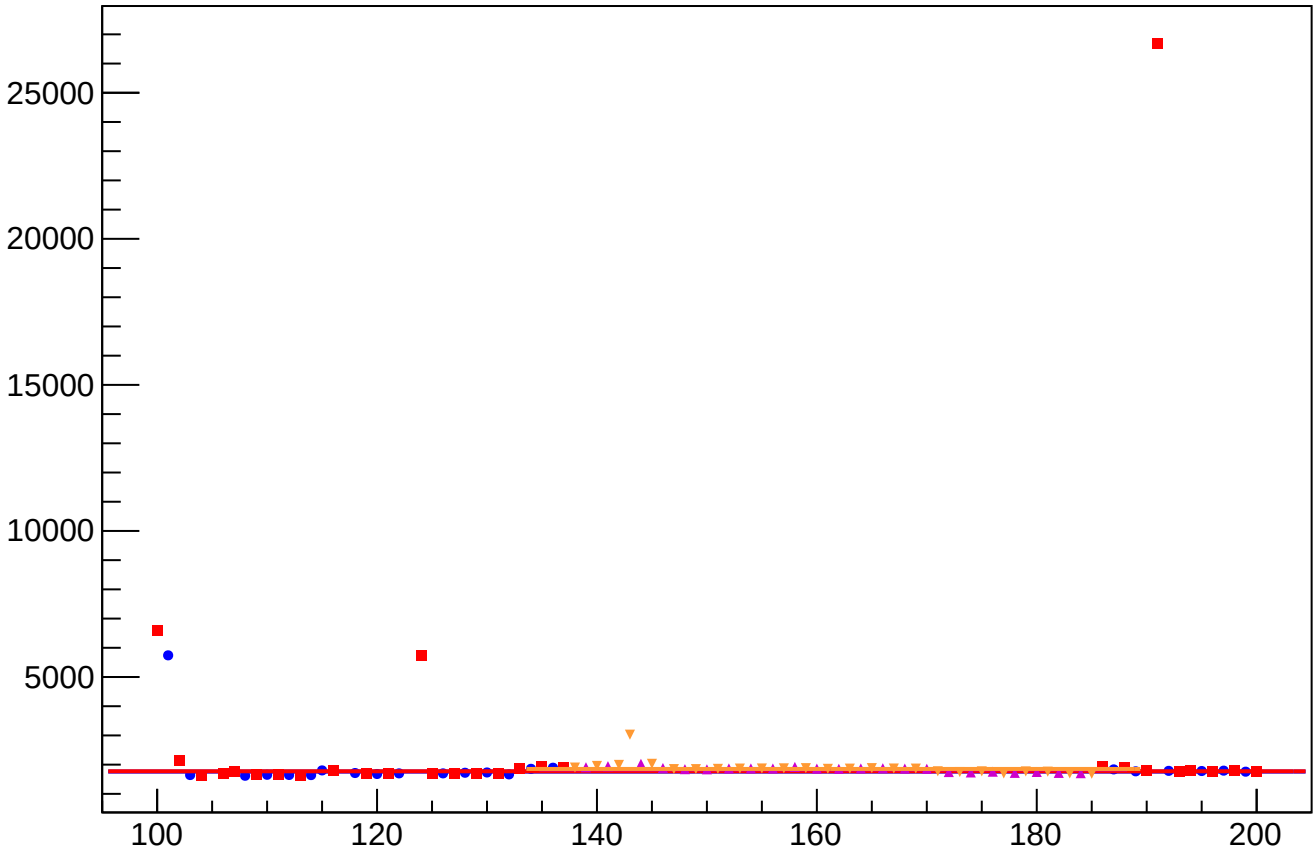
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 106.404+/-359.113 χ^2/NDF: 31.8/49

In: -62.616+/-332.980 χ^2/NDF:45.4/44

Out: 591.870+/-320.242 χ^2/NDF:62.7/52

All: 277.385+/-230.817 χ^2/NDF: 110.1/97



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

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

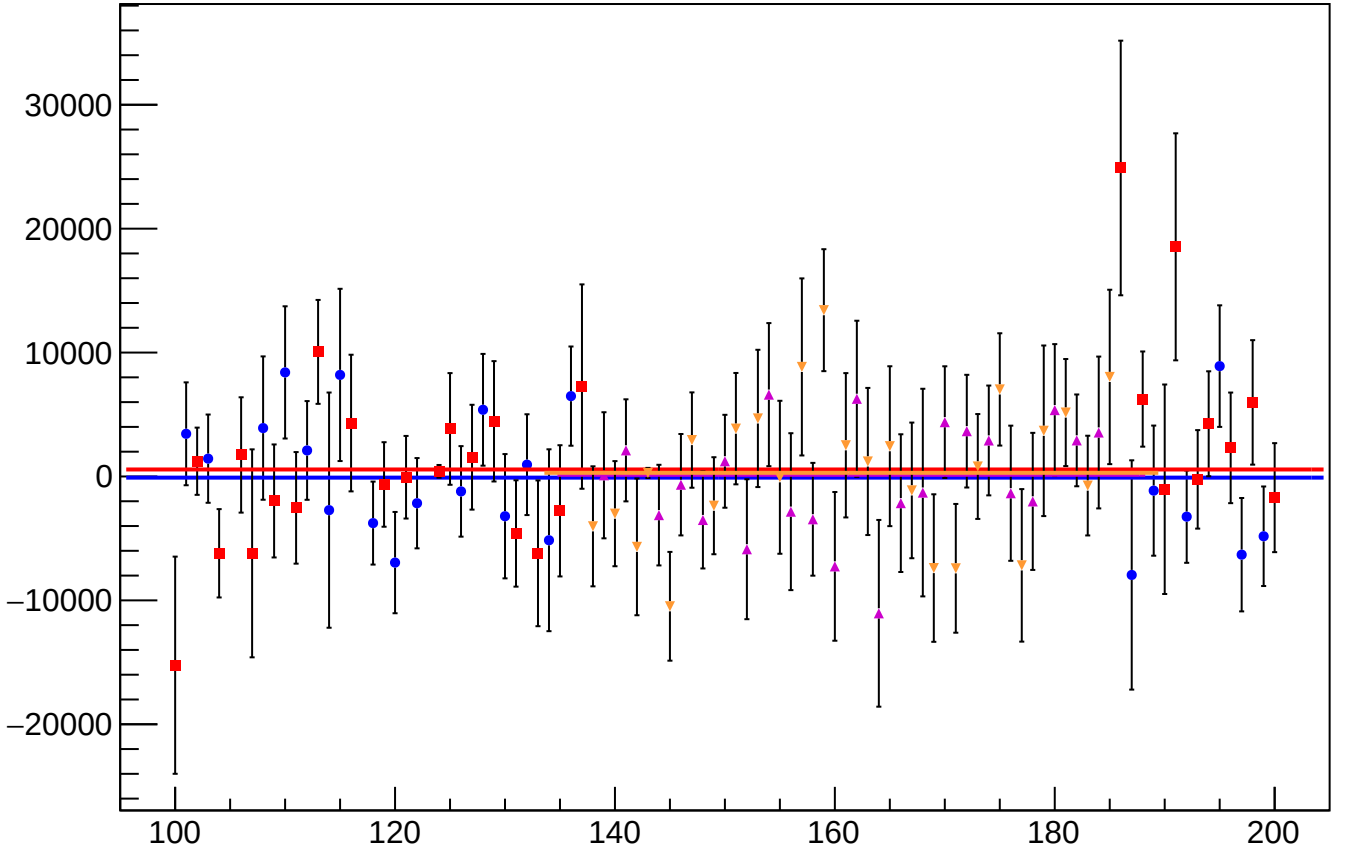
Right: 1767.811+/-0.254 χ^2/NDF: 1302127.0/49

In: 1807.871+/-0.235 χ^2/NDF:766019.6/44

Out: 1818.601+/-0.226 χ^2/NDF:980840.1/52

All: 1813.450+/-0.163 χ^2/NDF: 1747939.6/97

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

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

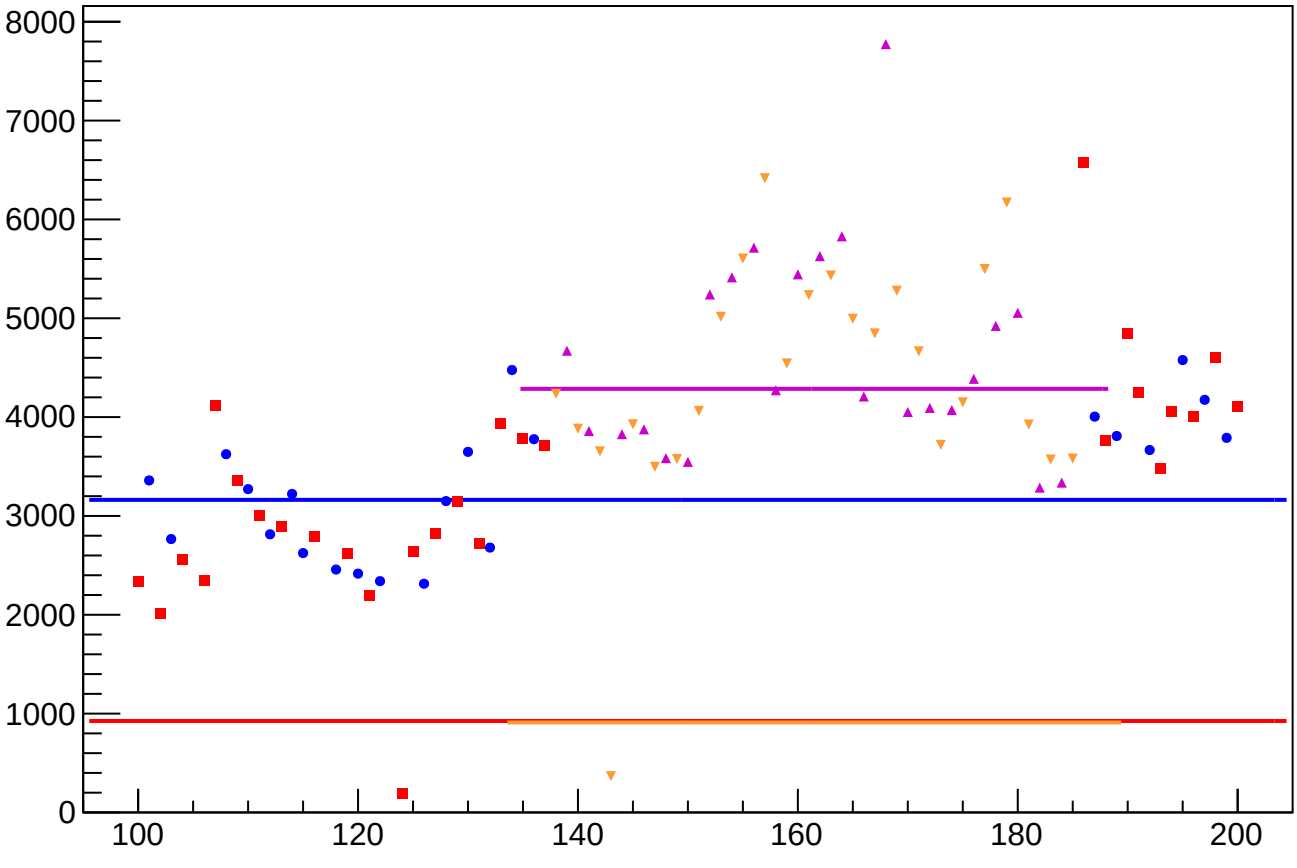
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 448.320+/-401.267 χ^2/NDF: 57.1/49

In: 14.324+/-697.887 χ^2/NDF:37.3/44

Out: 409.688+/-288.195 χ^2/NDF:63.6/52

All: 352.089+/-266.376 χ^2/NDF: 101.1/97



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

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

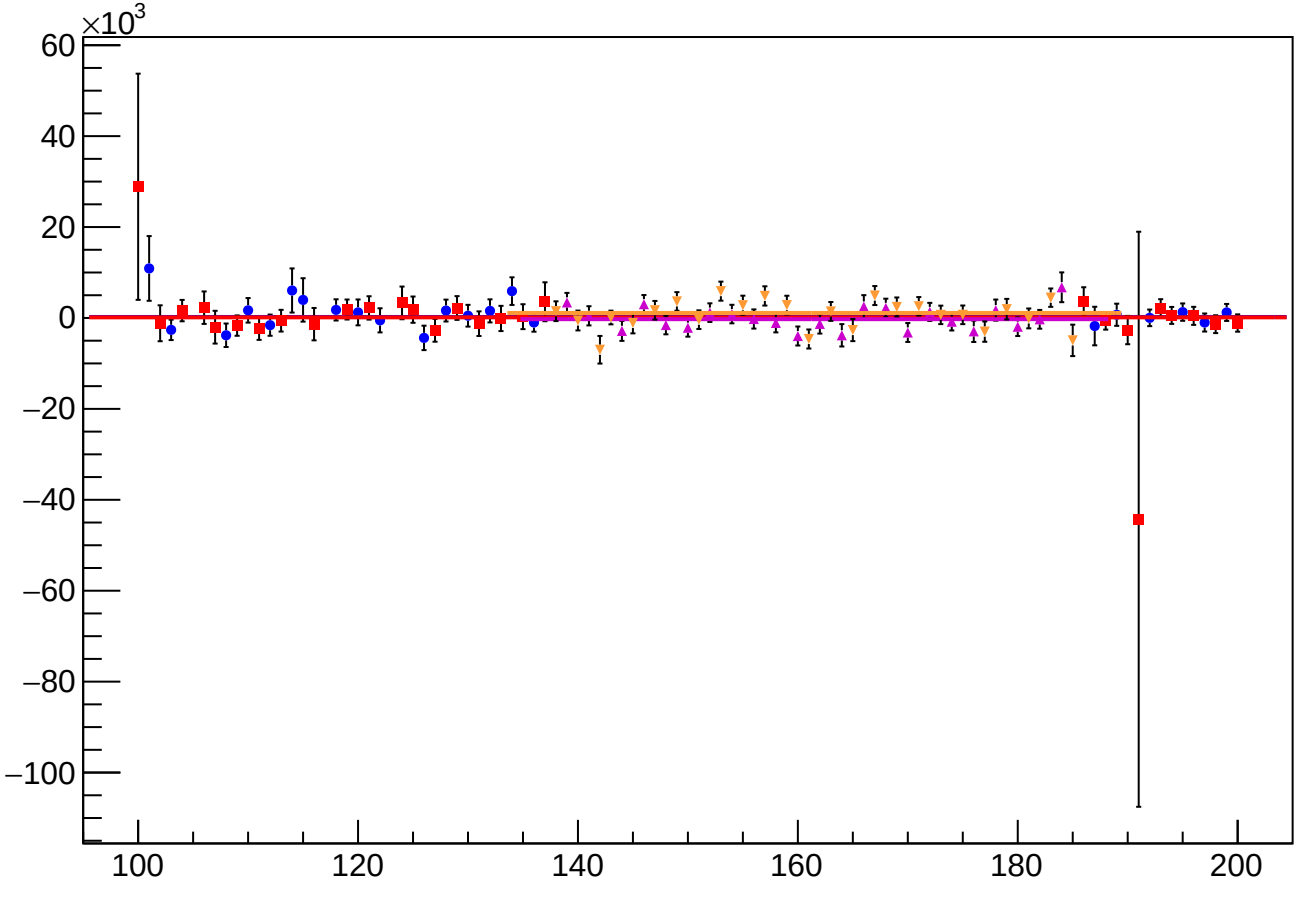
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1320.892+/-0.284 χ^2/NDF: 28066656.6/49

In: 3685.488+/-0.493 χ^2/NDF:3606331.2/44

Out: 916.739+/-0.204 χ^2/NDF:44806022.4/52

All: 1320.108+/-0.188 χ^2/NDF: 75305641.5/9



Right In: 216.408+/-530.418 χ^2/NDF: 18.5/21

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

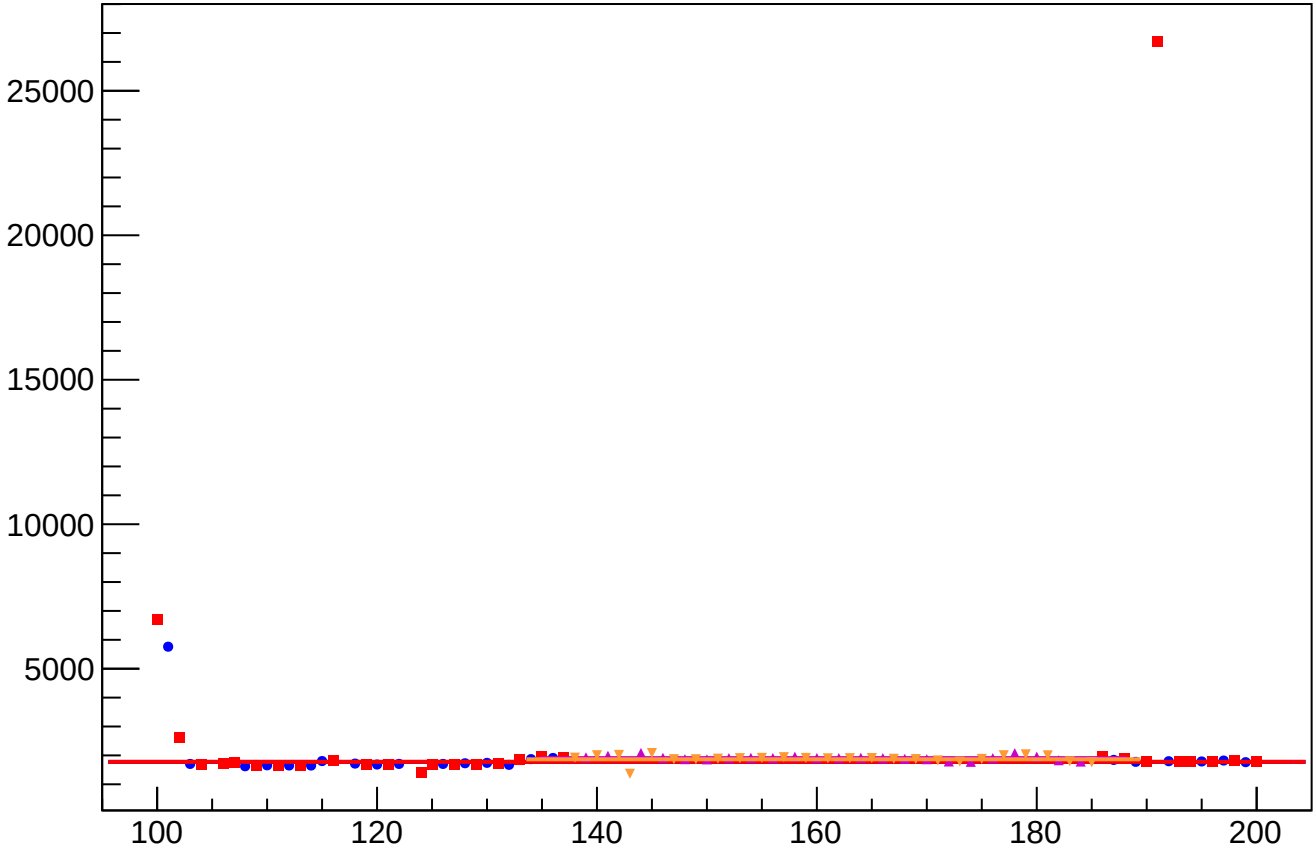
Right: 172.751+/-360.653 χ^2/NDF: 33.2/49

In: -65.718+/-341.072 χ^2/NDF:46.7/44

Out: 689.112+/-321.716 χ^2/NDF:61.6/52

All: 333.722+/-234.031 χ^2/NDF: 110.9/97

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

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

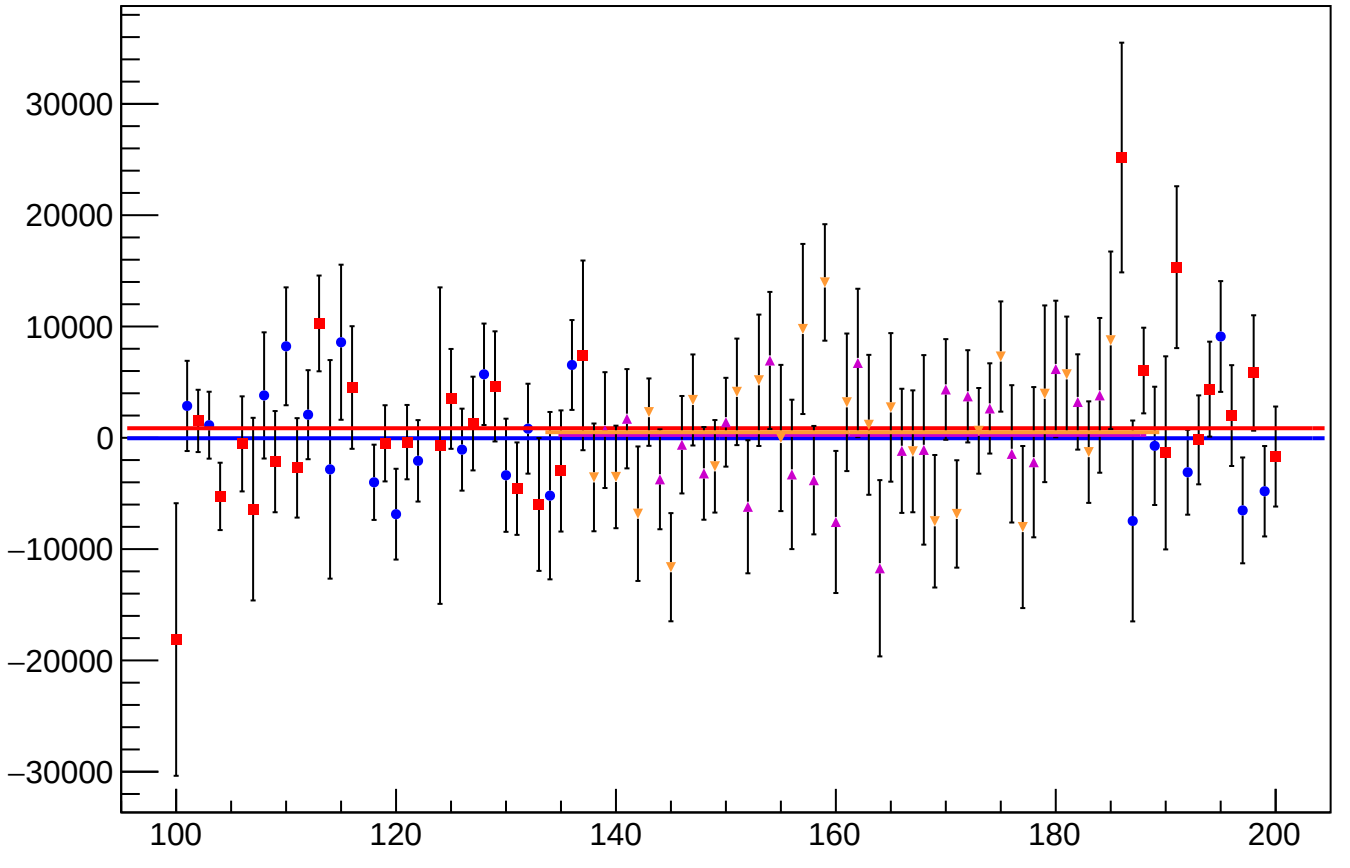
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.577+/-0.255 χ^2/NDF: 1232237.8/49

In: 1851.152+/-0.241 χ^2/NDF:795737.2/44

Out: 1827.202+/-0.227 χ^2/NDF:892867.3/52

All: 1838.470+/-0.165 χ^2/NDF: 1693826.4/97



Right In: -39.485+/-946.314 χ^2/NDF: 23.1/21

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

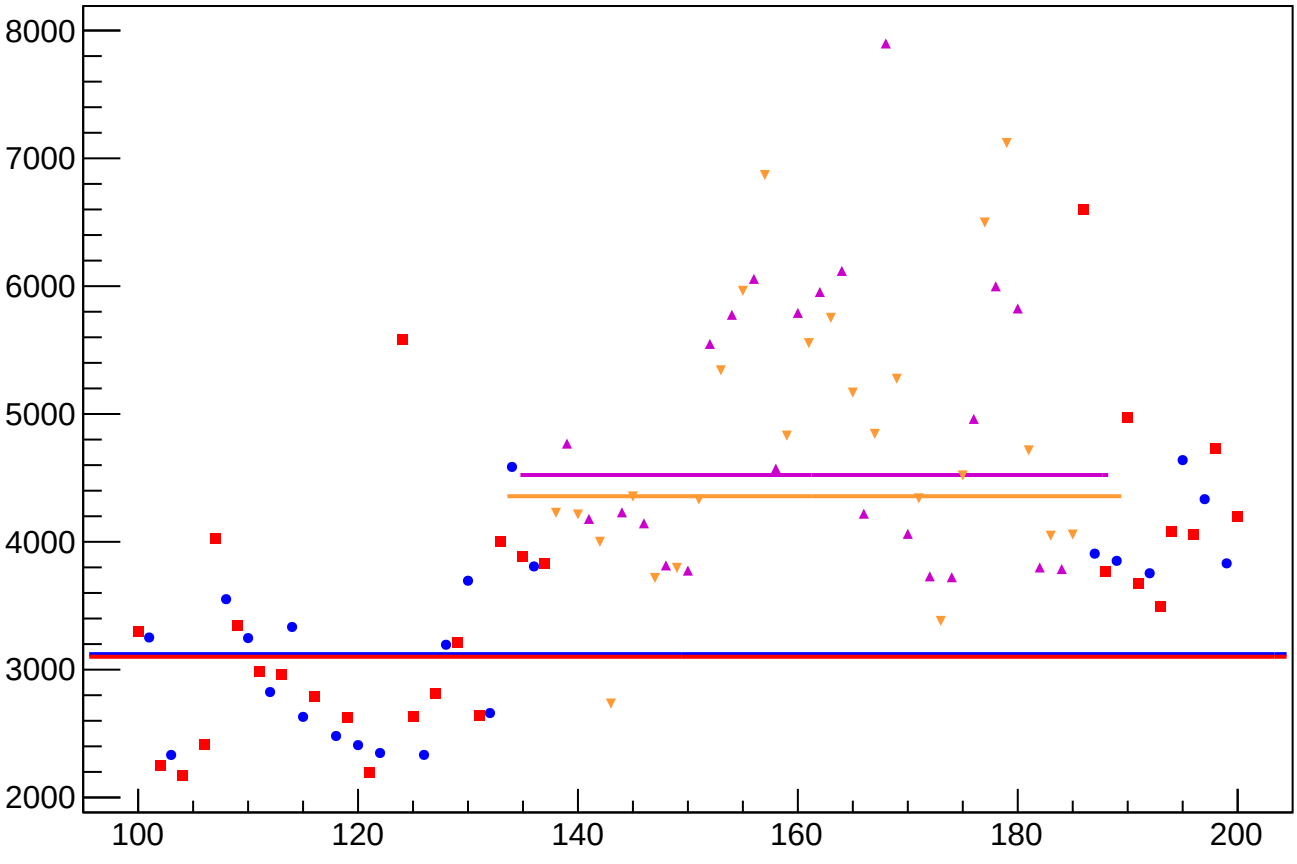
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 447.862+/-640.427 χ^2/NDF: 56.2/49

In: 90.849+/-712.145 χ^2/NDF:36.8/44

Out: 710.309+/-662.342 χ^2/NDF:62.7/52

All: 422.995+/-484.999 χ^2/NDF: 99.9/97



Right In: 3121.346+/-0.669 χ^2/NDF: 1158688.3/21

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

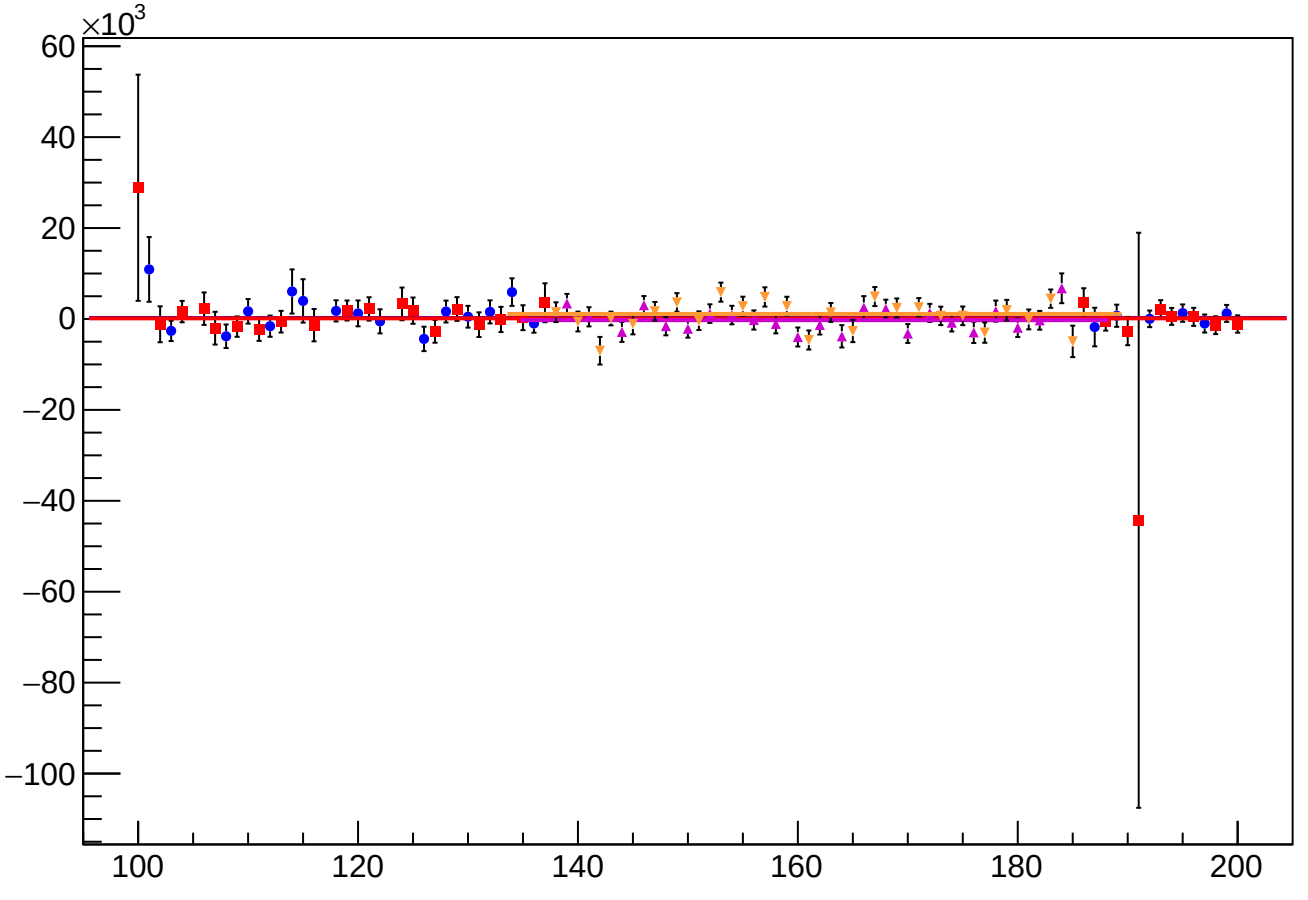
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3110.285+/-0.453 χ^2/NDF: 2958597.5/49

In: 3729.114+/-0.504 χ^2/NDF:4494967.9/44

Out: 3628.678+/-0.468 χ^2/NDF:5463169.2/52

All: 3675.261+/-0.343 χ^2/NDF: 9979467.1/97



Right In: 216.409+/-530.418 χ^2/NDF: 18.5/21

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

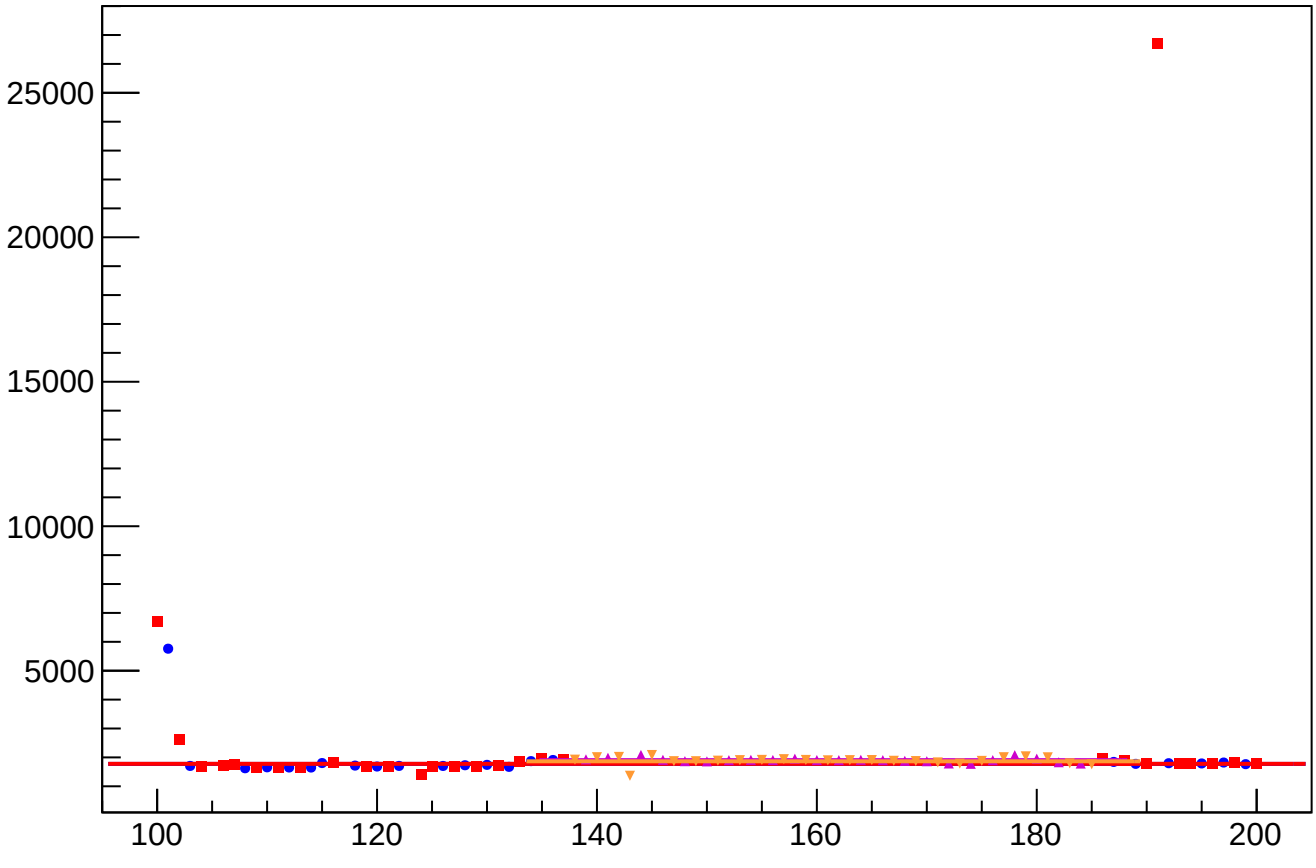
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 172.750+/-360.653 χ^2/NDF: 33.2/49

In: -65.717+/-341.072 χ^2/NDF:46.7/44

Out: 689.112+/-321.716 χ^2/NDF:61.6/52

All: 333.723+/-234.031 χ^2/NDF: 110.9/97



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

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

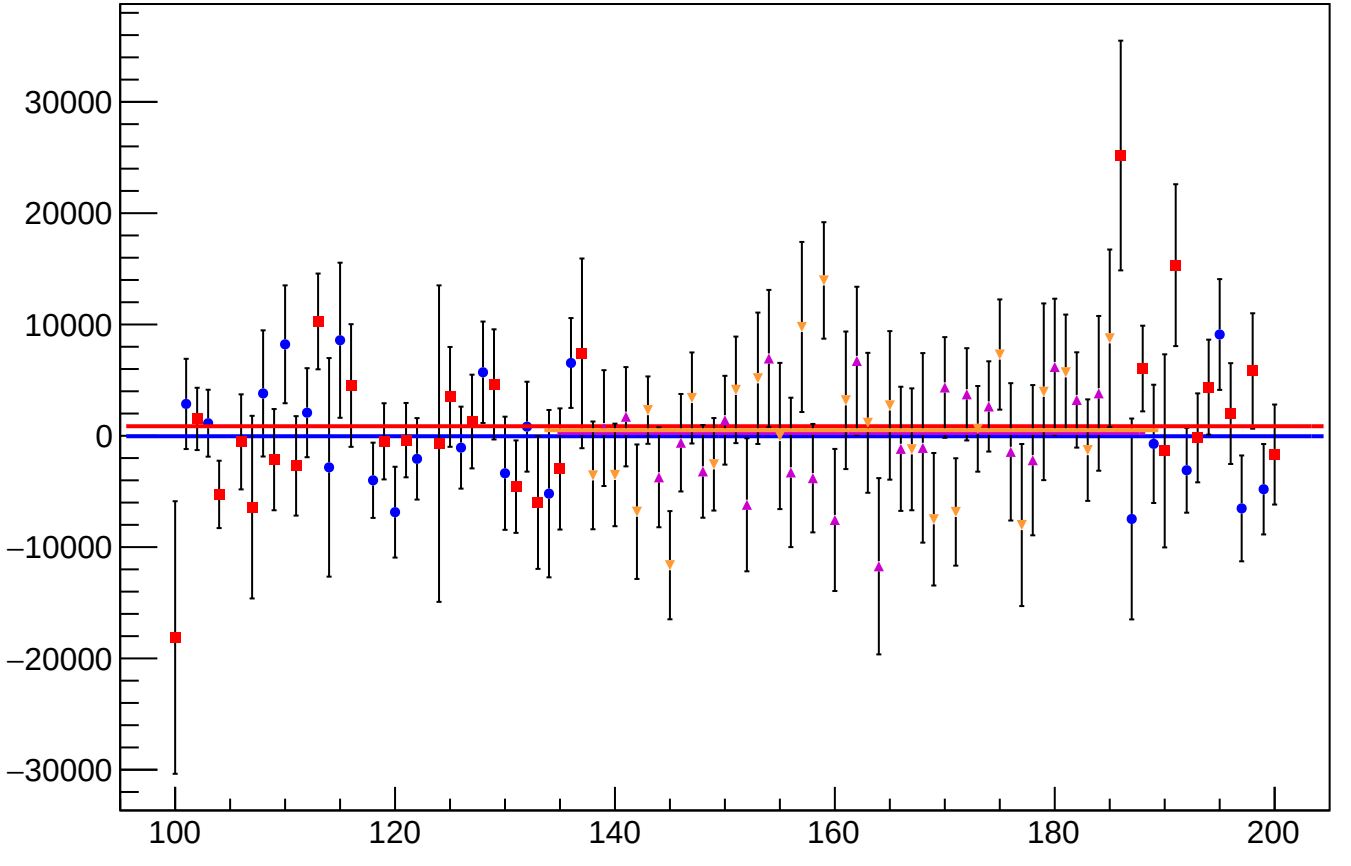
Right: 1775.578+/-0.255 χ^2/NDF: 1232237.9/49

In: 1851.153+/-0.241 χ^2/NDF:795740.5/44

Out: 1827.203+/-0.227 χ^2/NDF:892871.5/52

All: 1838.471+/-0.165 χ^2/NDF: 1693833.9/97

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -39.488+/-946.313 χ^2/NDF: 23.1/21

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

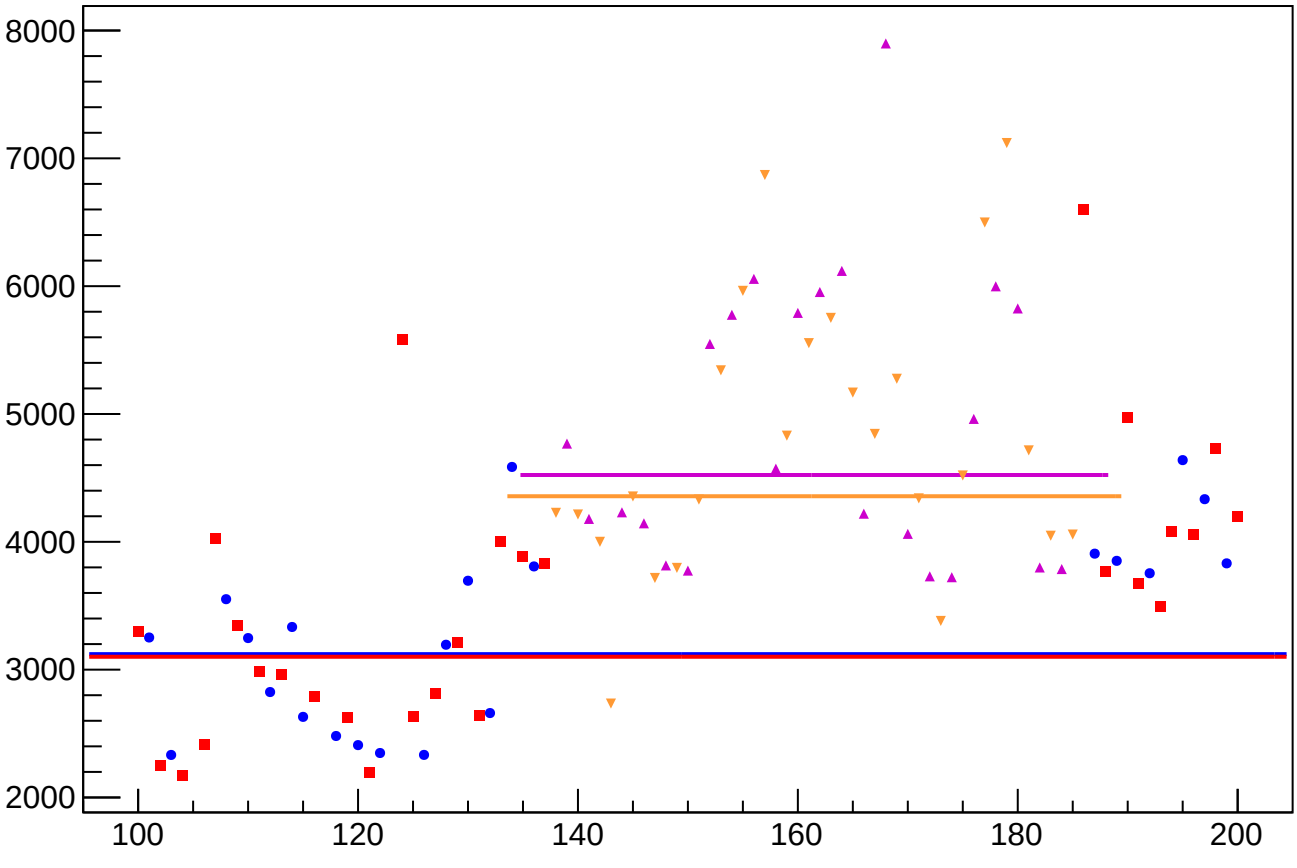
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 447.859+/-640.426 χ^2/NDF: 56.2/49

In: 90.847+/-712.145 χ^2/NDF:36.8/44

Out: 710.309+/-662.342 χ^2/NDF:62.7/52

All: 422.994+/-484.998 χ^2/NDF: 99.9/97



Right In: 3121.339+/-0.669 χ^2/NDF: 1158704.9/21

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

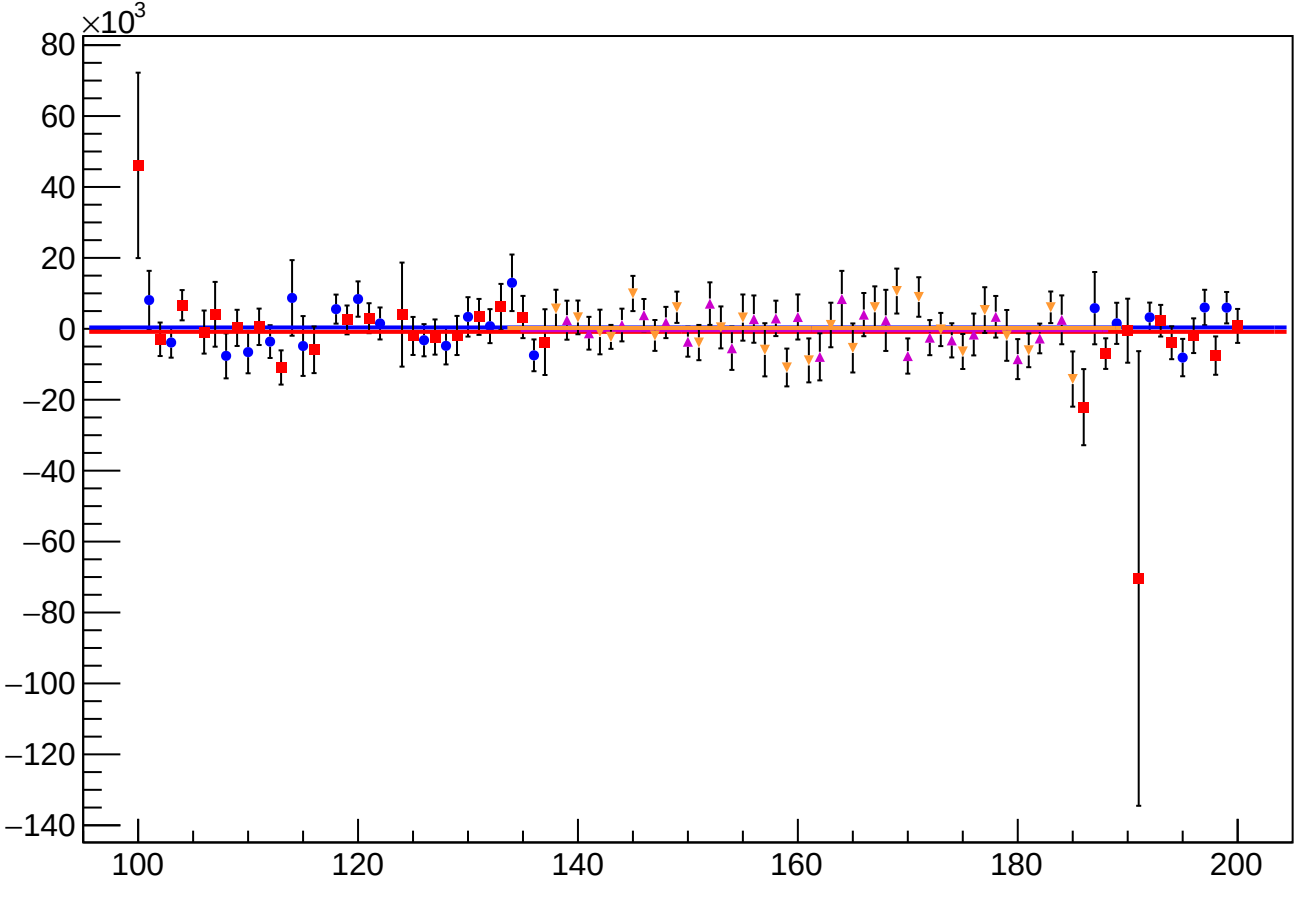
Right: 3110.280+/-0.453 χ^2/NDF: 2958622.5/49

In: 3729.111+/-0.504 χ^2/NDF:4495022.8/44

Out: 3628.676+/-0.468 χ^2/NDF:5463211.8/52

All: 3675.259+/-0.343 χ^2/NDF: 9979564.1/97

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 382.728+/-1123.533 χ^2/NDF: 24.5/21

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

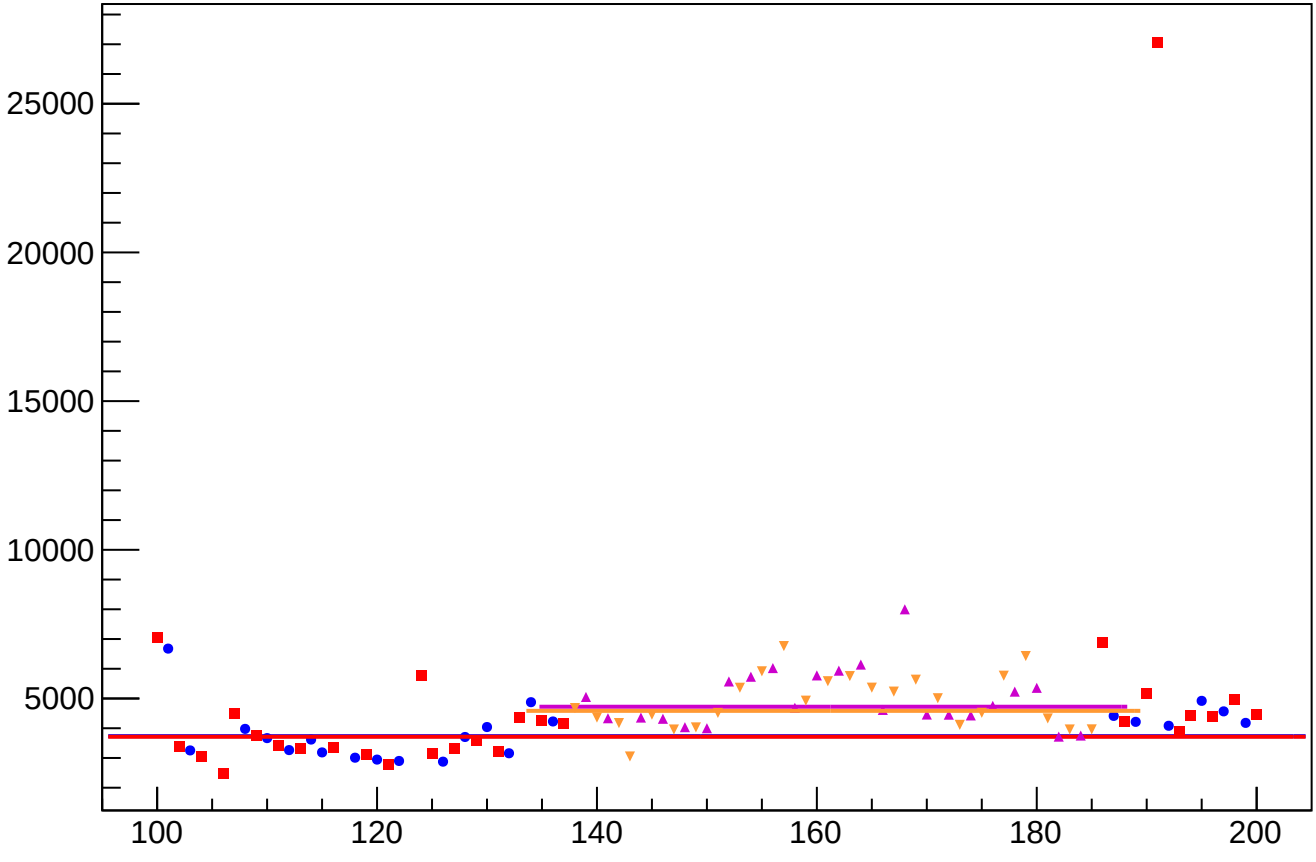
Right: -277.680+/-767.447 χ^2/NDF: 51.0/49

In: -8.345+/-793.675 χ^2/NDF:39.0/44

Out: -314.879+/-747.870 χ^2/NDF:58.6/52

All: -170.713+/-544.297 χ^2/NDF: 97.6/97

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3733.119+/-0.794 χ^2/NDF: 879724.6/21

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

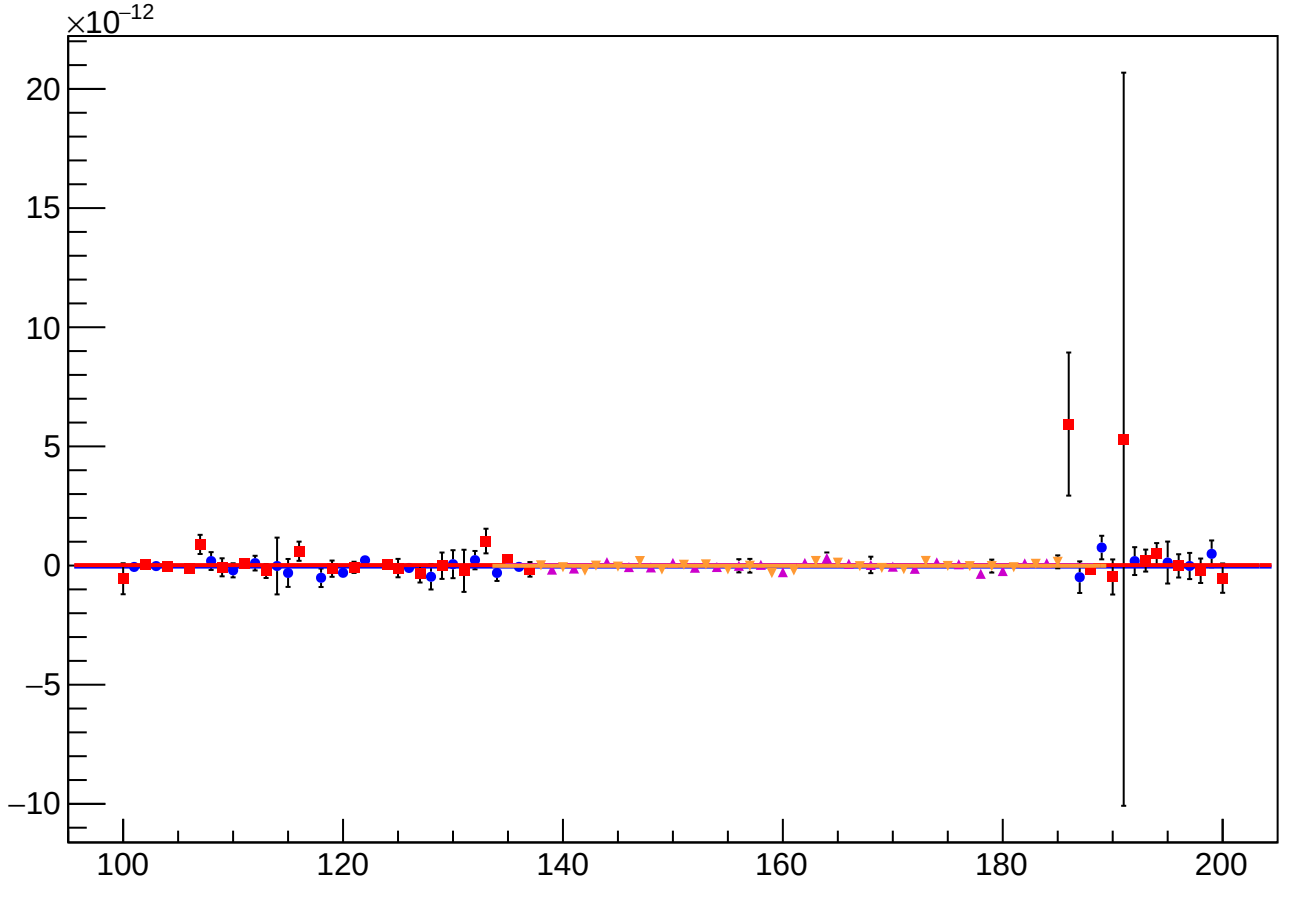
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3722.735+/-0.540 χ^2/NDF: 2193026.4/49

In: 4229.041+/-0.561 χ^2/NDF:2674125.9/44

Out: 4139.372+/-0.526 χ^2/NDF:3308934.5/52

All: 4181.327+/-0.384 χ^2/NDF: 5996644.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/21

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

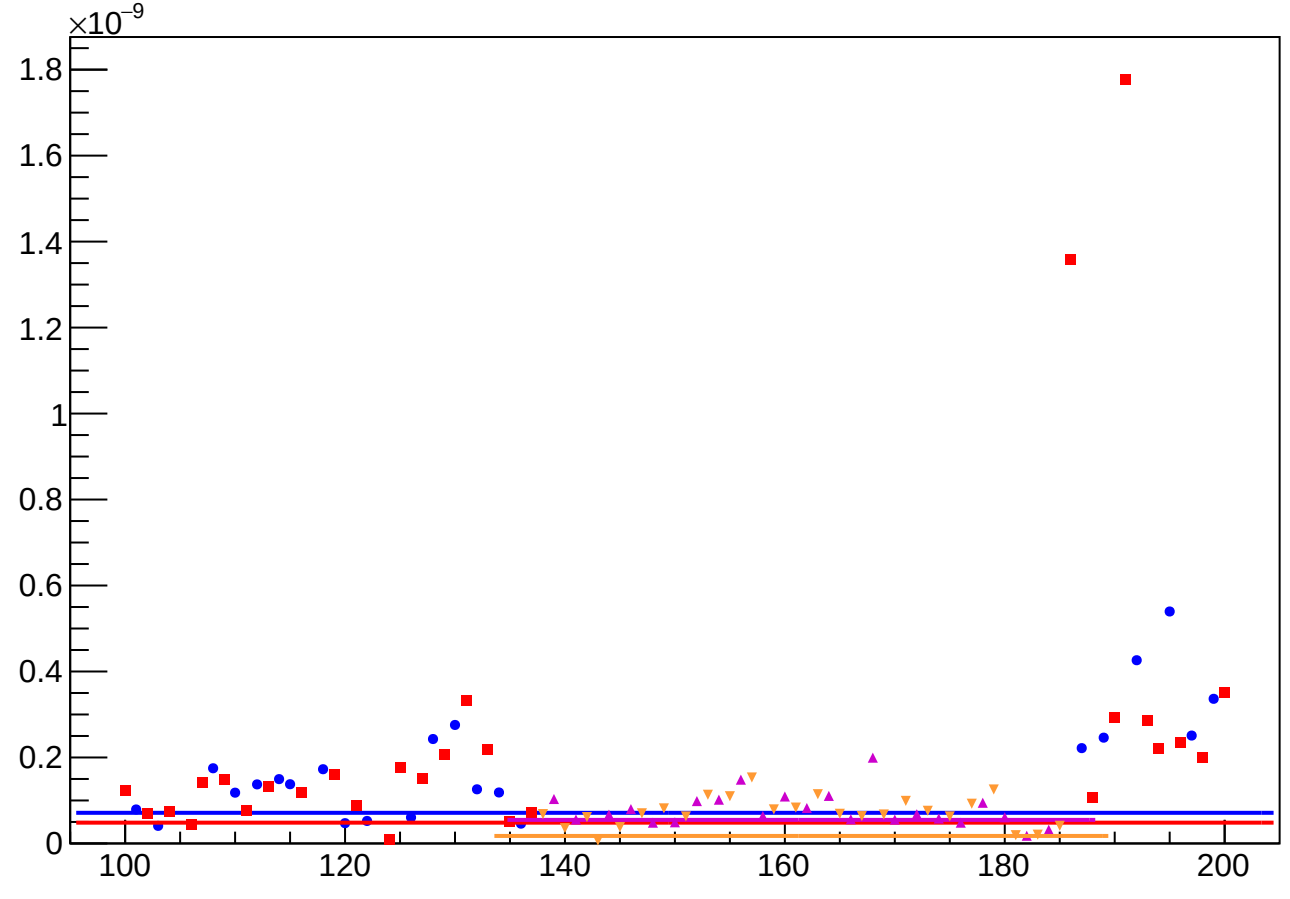
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.9/49

In: 0.000+/-0.000 χ^2/NDF:40.3/44

Out: -0.000+/-0.000 χ^2/NDF:49.2/52

All: -0.000+/-0.000 χ^2/NDF: 89.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 3815441.8/21

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

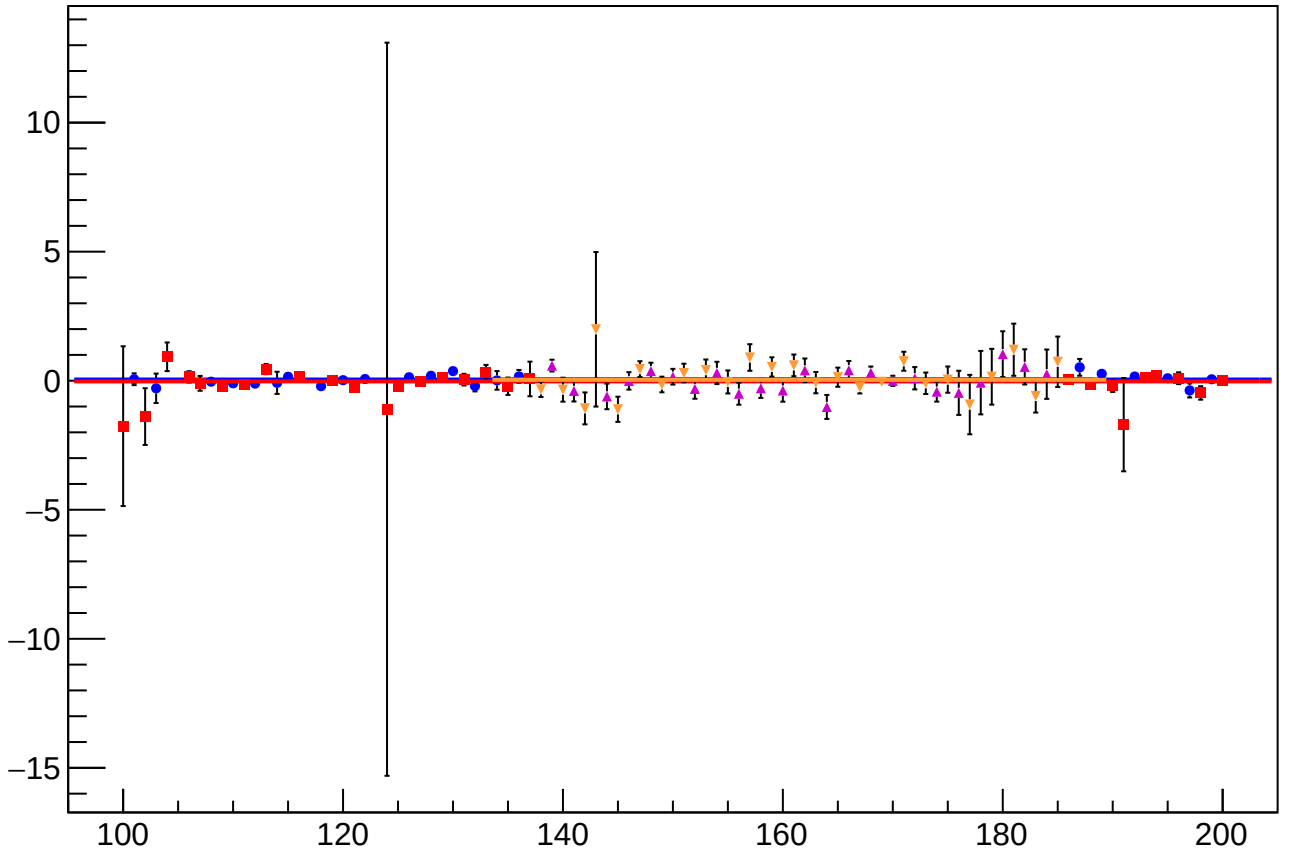
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9976917.6/49

In: 0.000+/-0.000 χ^2/NDF:6833336.8/44

Out: 0.000+/-0.000 χ^2/NDF:16125955.1/52

All: 0.000+/-0.000 χ^2/NDF: 28197656.5/97



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

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

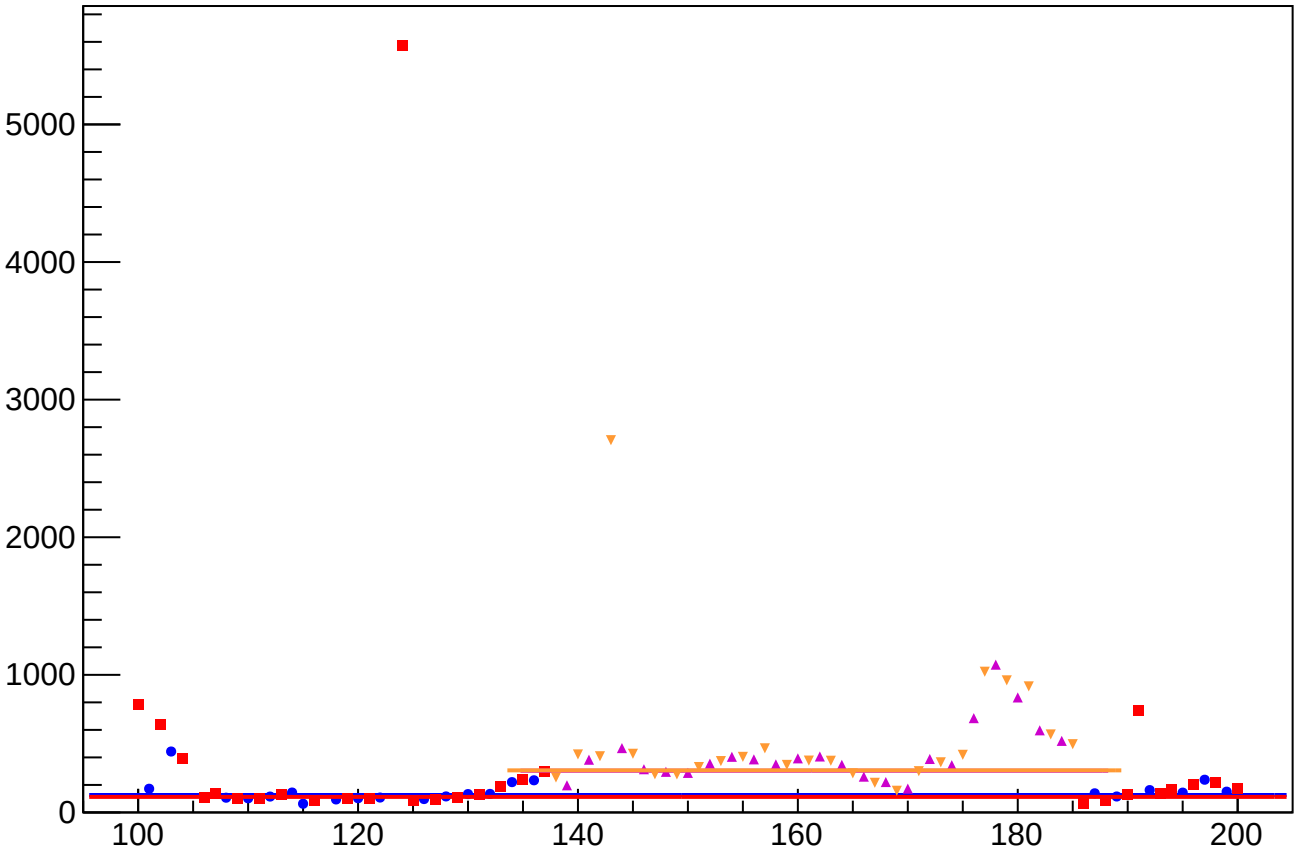
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.027 χ^2/NDF: 52.3/49

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.012+/-0.024 χ^2/NDF: 109.3/97



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

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

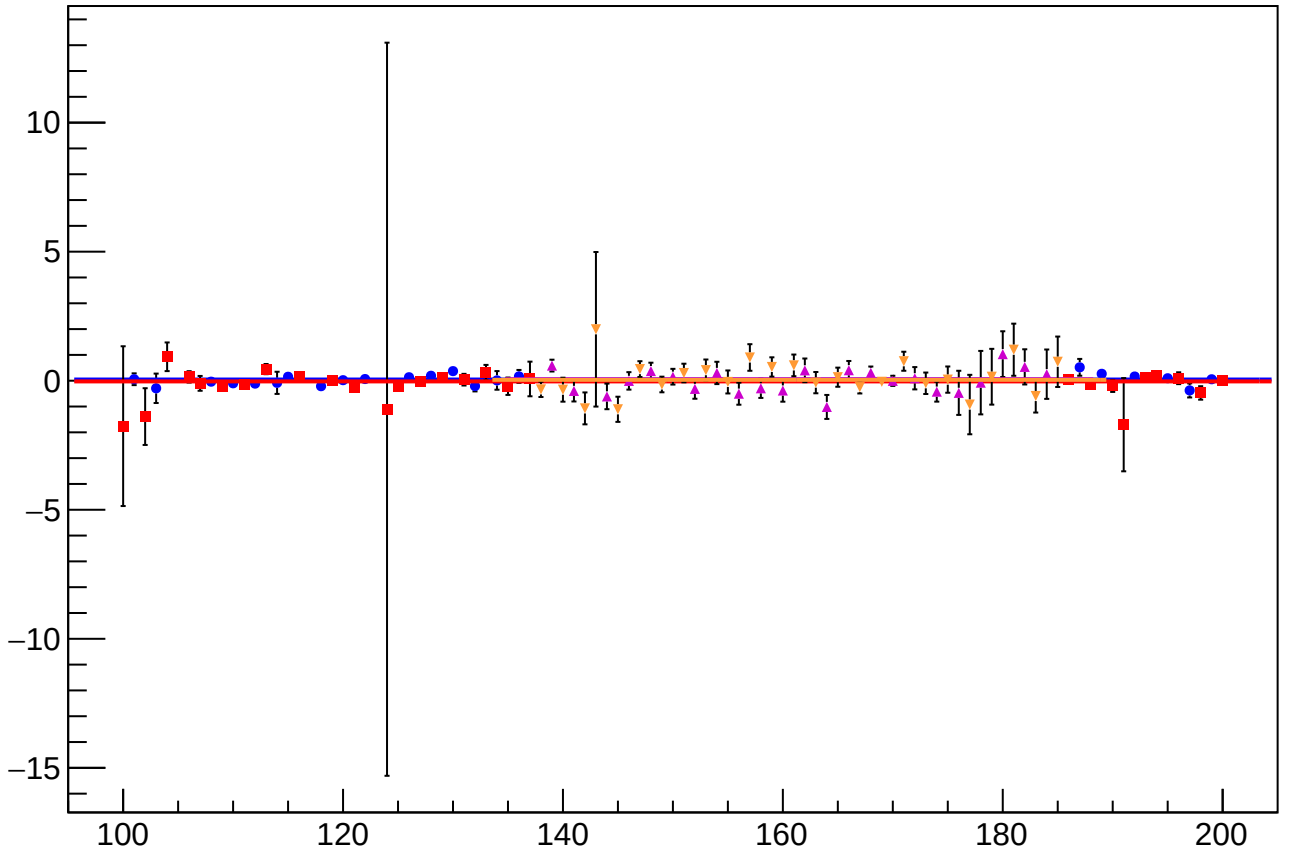
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 119.008+/-0.019 χ^2/NDF: 6565519.8/49

In: 164.967+/-0.025 χ^2/NDF:15272308.1/44

Out: 145.695+/-0.023 χ^2/NDF:20951053.3/52

All: 154.232+/-0.017 χ^2/NDF: 36543986.0/97



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

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

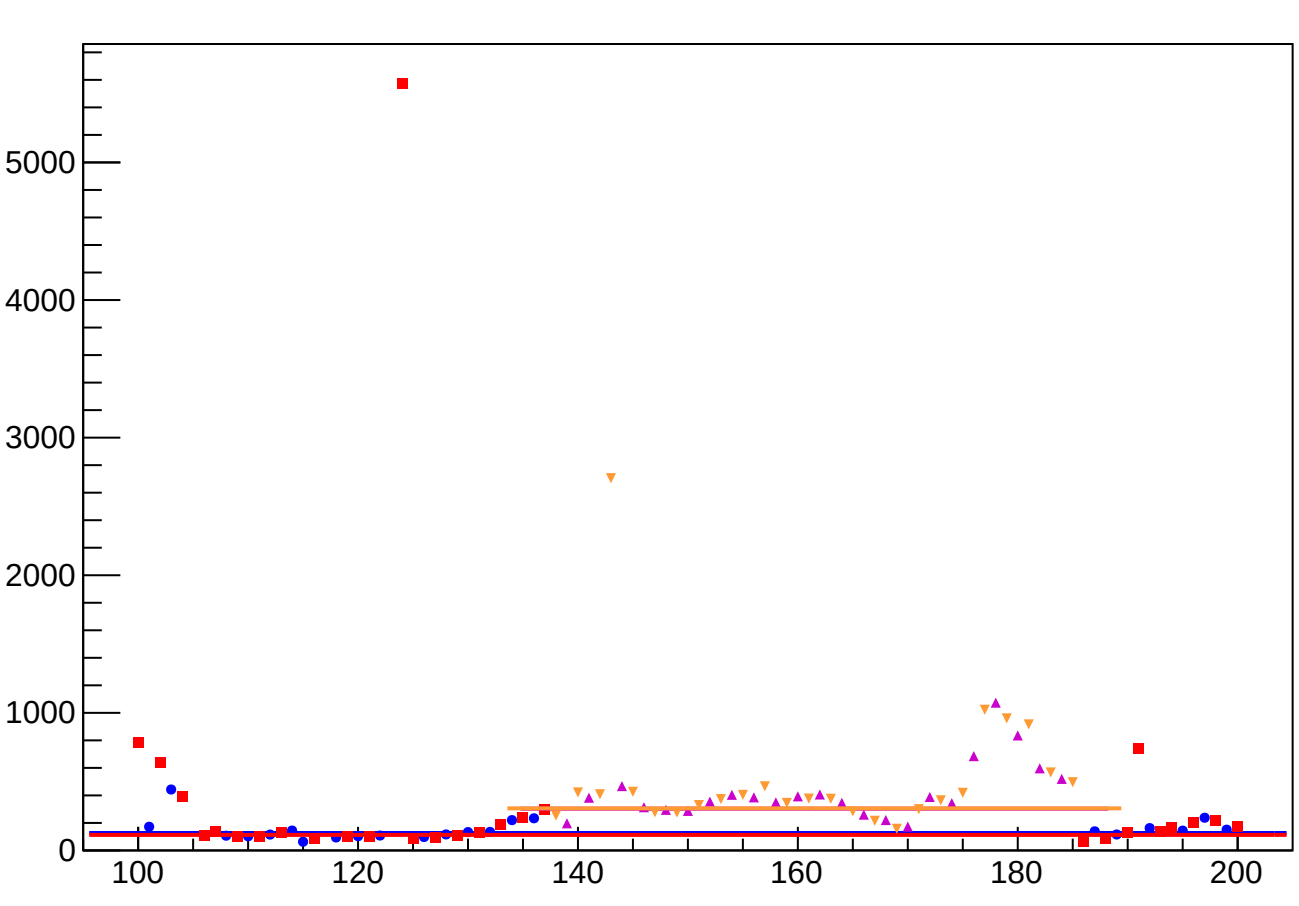
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.027 χ^2/NDF: 52.3/49

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.012+/-0.024 χ^2/NDF: 109.3/97



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

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

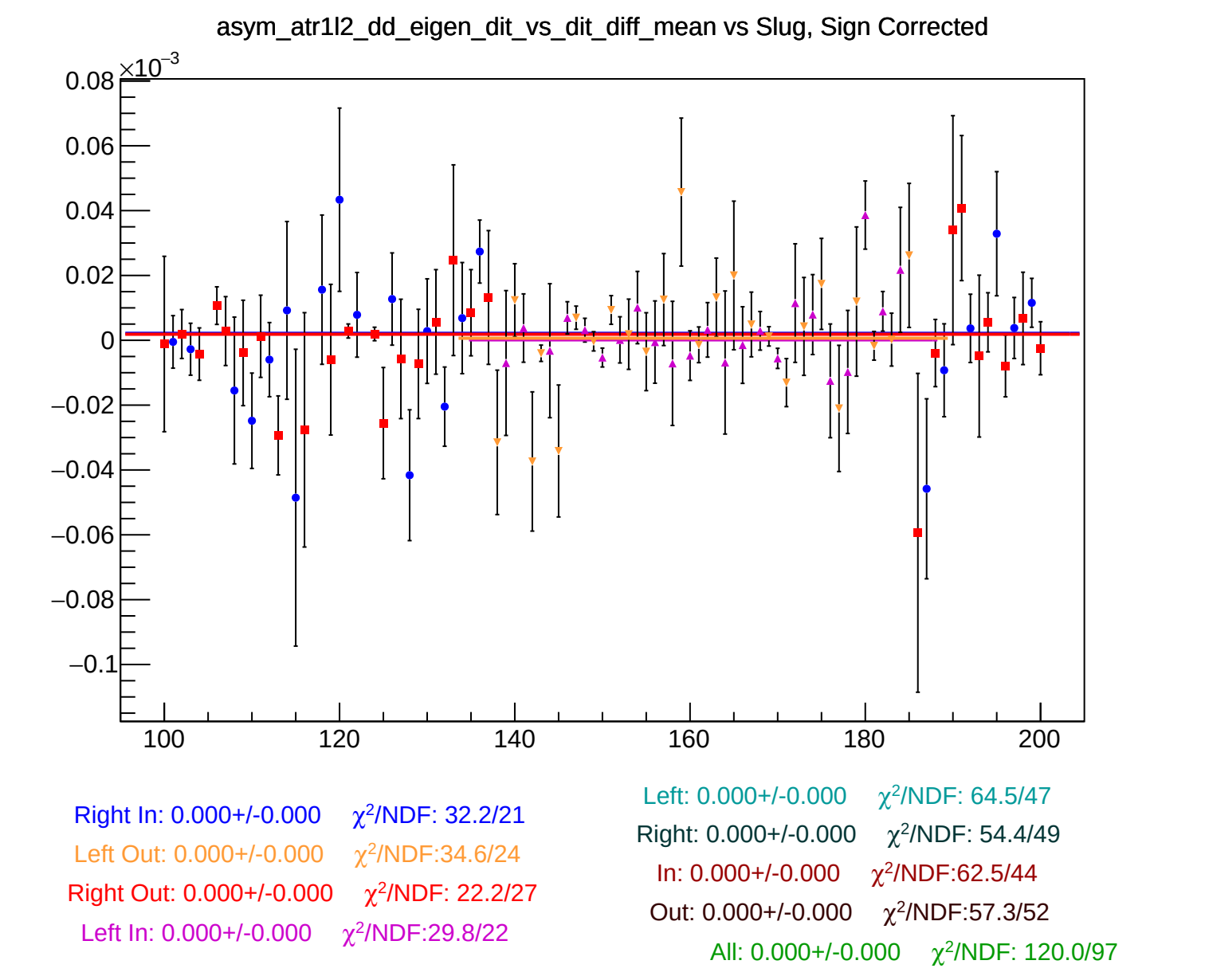
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

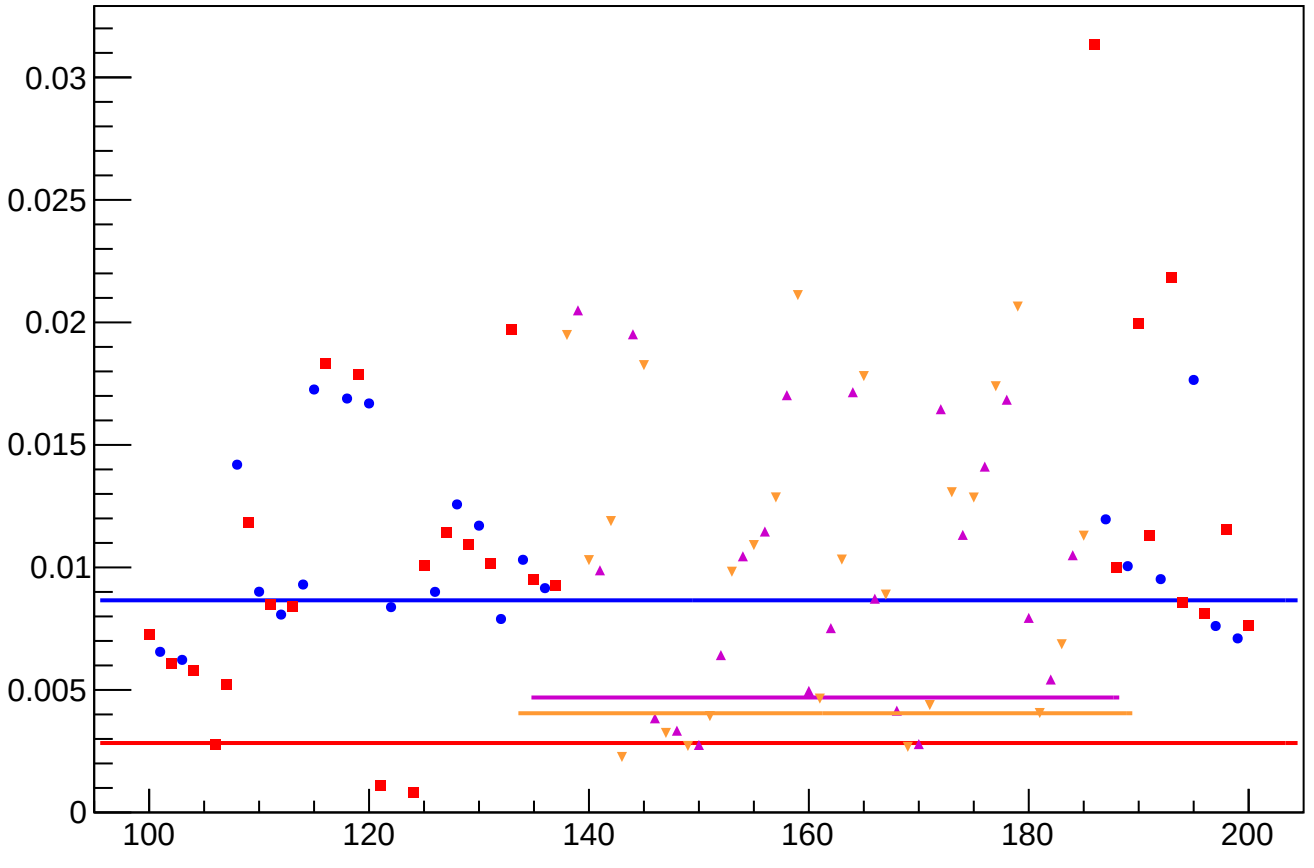
Right: 119.008+/-0.019 χ^2/NDF: 6565519.8/49

In: 164.967+/-0.025 χ^2/NDF:15272308.1/44

Out: 145.695+/-0.023 χ^2/NDF:20951053.3/52

All: 154.232+/-0.017 χ^2/NDF: 36543986.0/97


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: 32.2/21
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: 54.4/49
In: 0.000+/-0.000 χ²/NDF:62.5/44
Out: 0.000+/-0.000 χ²/NDF:57.3/52
All: 0.000+/-0.000 χ²/NDF: 120.0/97



Right In: 0.009+/-0.000 χ^2/NDF: 1726697.4/21

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

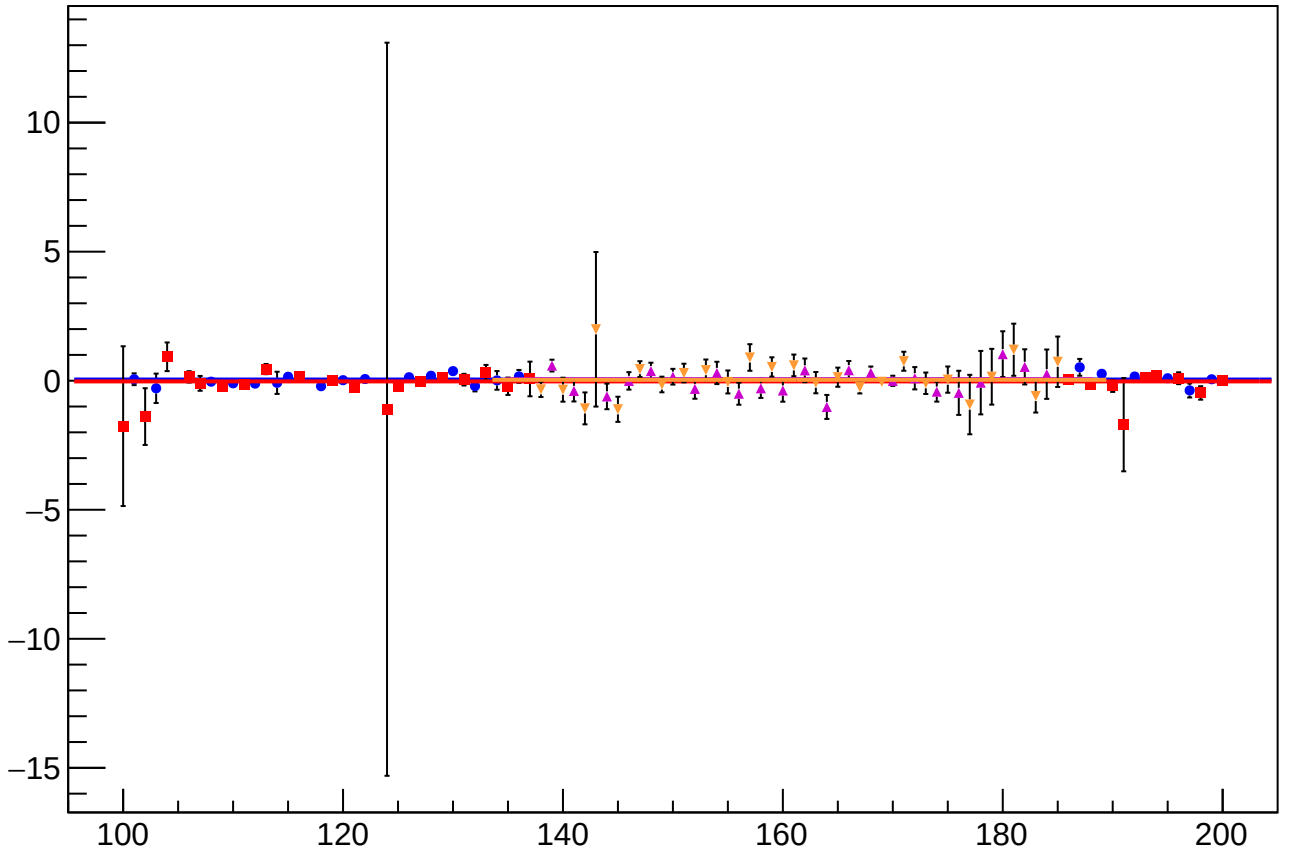
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 25226525.9/49

In: 0.006+/-0.000 χ^2/NDF:15937370.9/44

Out: 0.003+/-0.000 χ^2/NDF:30526281.3/52

All: 0.004+/-0.000 χ^2/NDF: 50063658.1/97



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

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

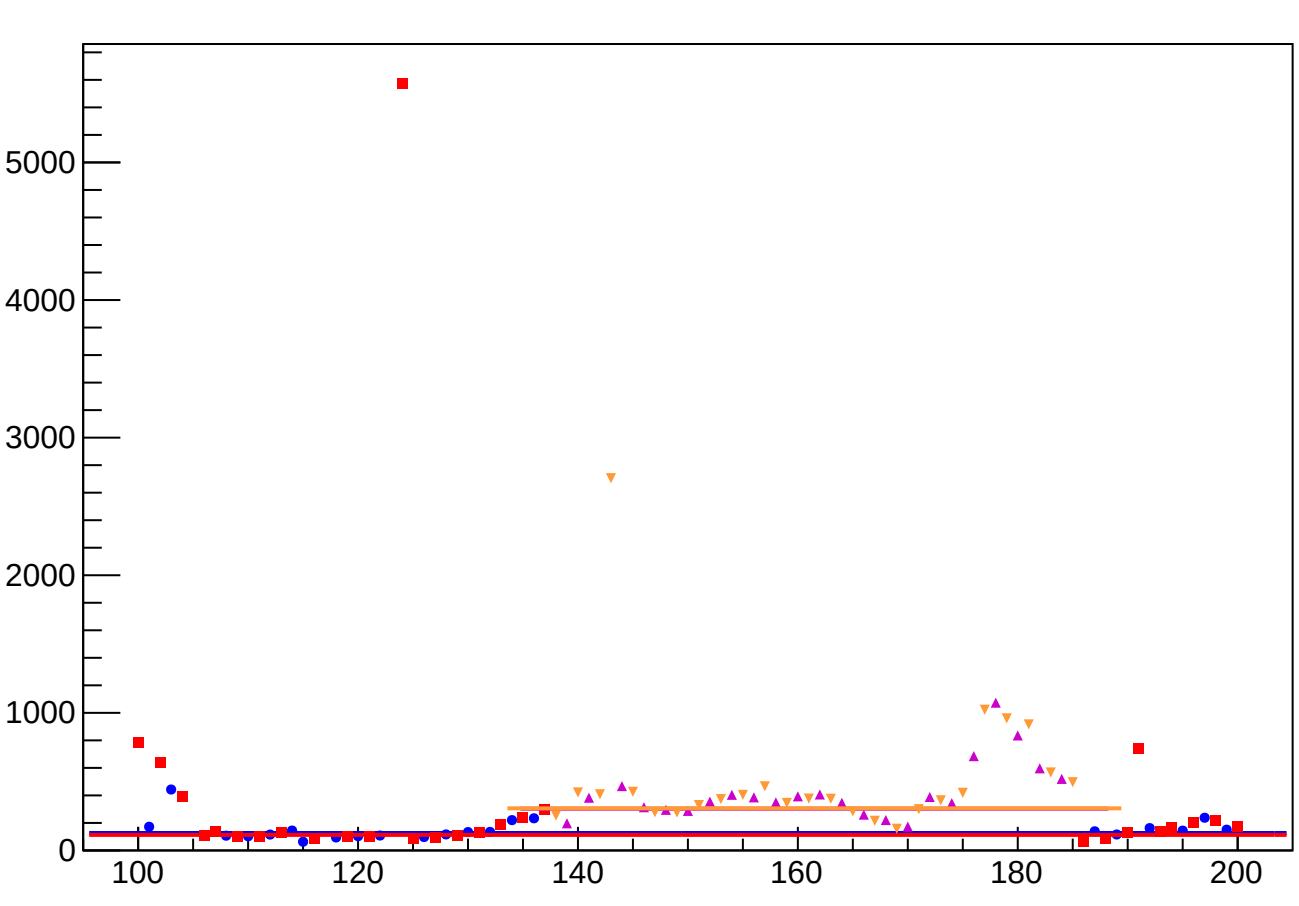
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.027 χ^2/NDF: 52.3/49

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.012+/-0.024 χ^2/NDF: 109.3/97



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

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

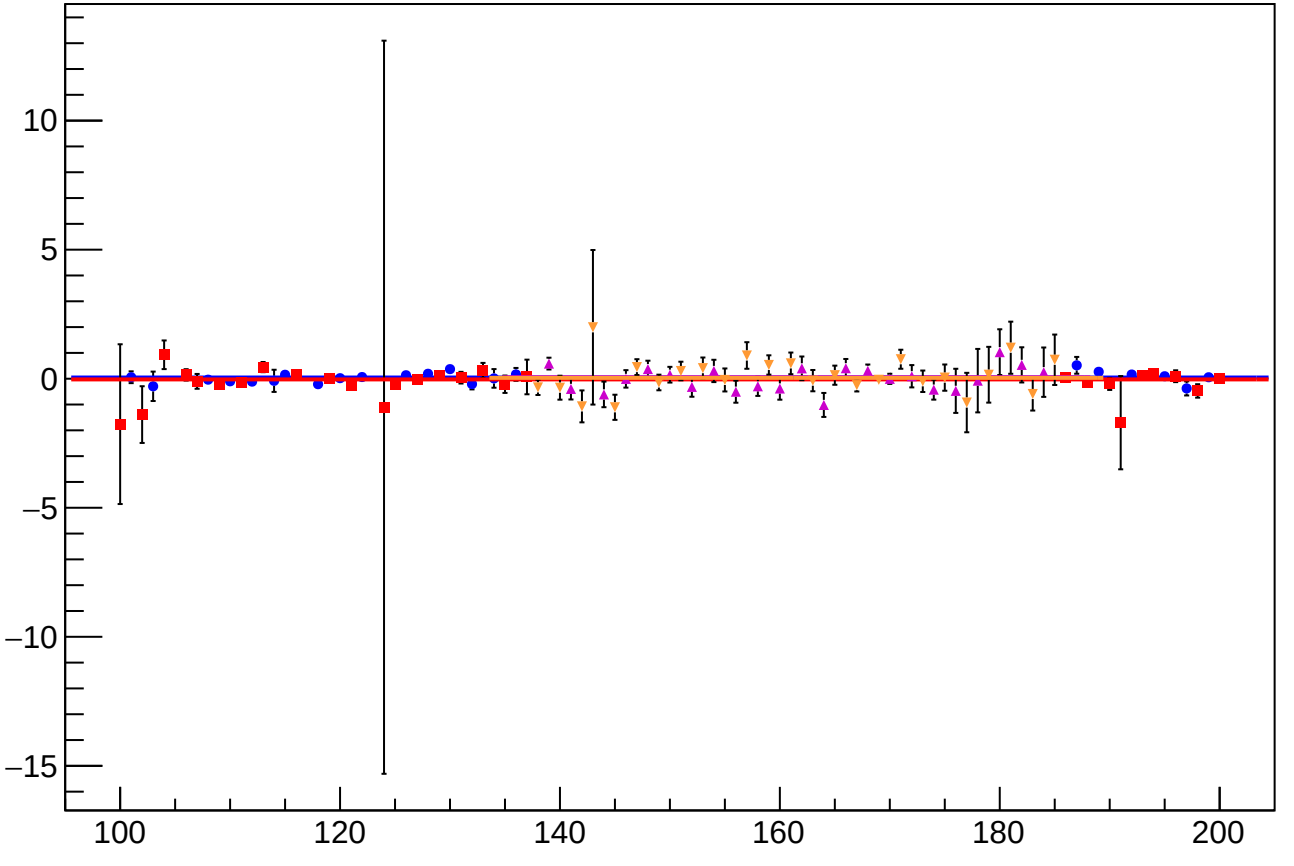
Right: 119.009+/-0.019 χ^2/NDF: 6565282.3/49

In: 164.968+/-0.025 χ^2/NDF:15272371.6/44

Out: 145.695+/-0.023 χ^2/NDF:20950890.4/52

All: 154.232+/-0.017 χ^2/NDF: 36543876.6/97

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

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

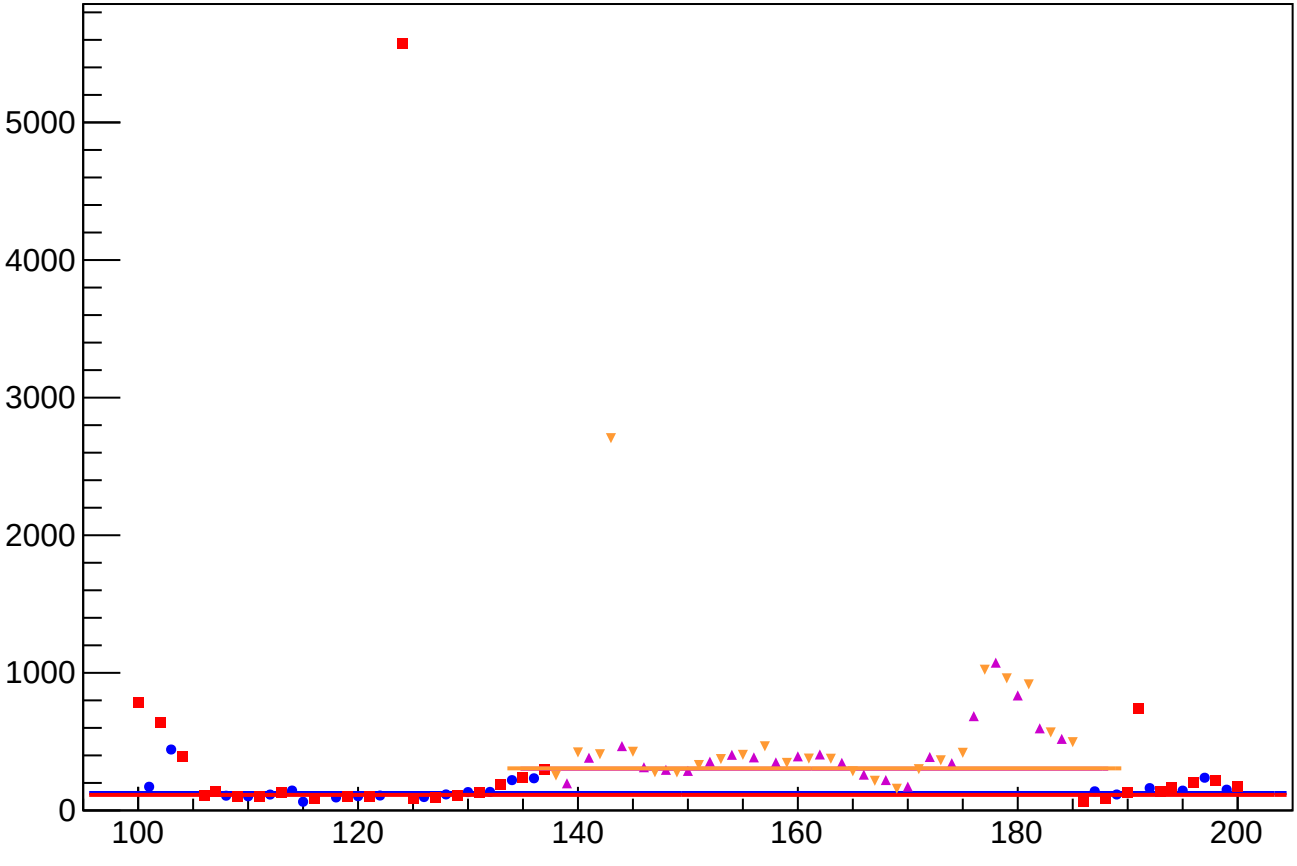
Right: 0.004+/-0.027 χ^2/NDF: 52.3/49

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/52

All: 0.012+/-0.024 χ^2/NDF: 109.3/97

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

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

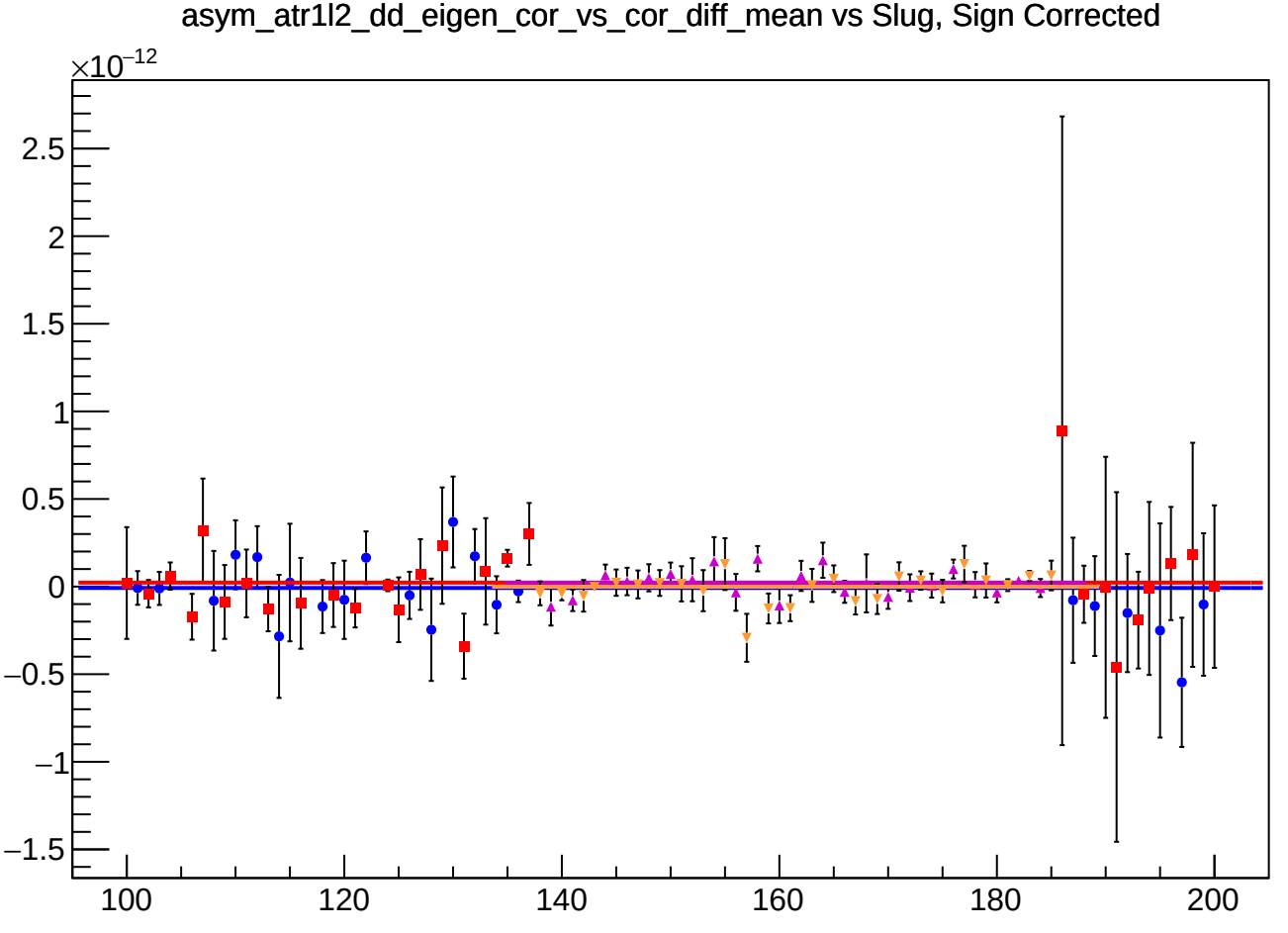
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 119.009+/-0.019 χ^2/NDF: 6565282.3/49

In: 164.968+/-0.025 χ^2/NDF:15272371.6/44

Out: 145.695+/-0.023 χ^2/NDF:20950890.4/52

All: 154.232+/-0.017 χ^2/NDF: 36543876.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/21

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

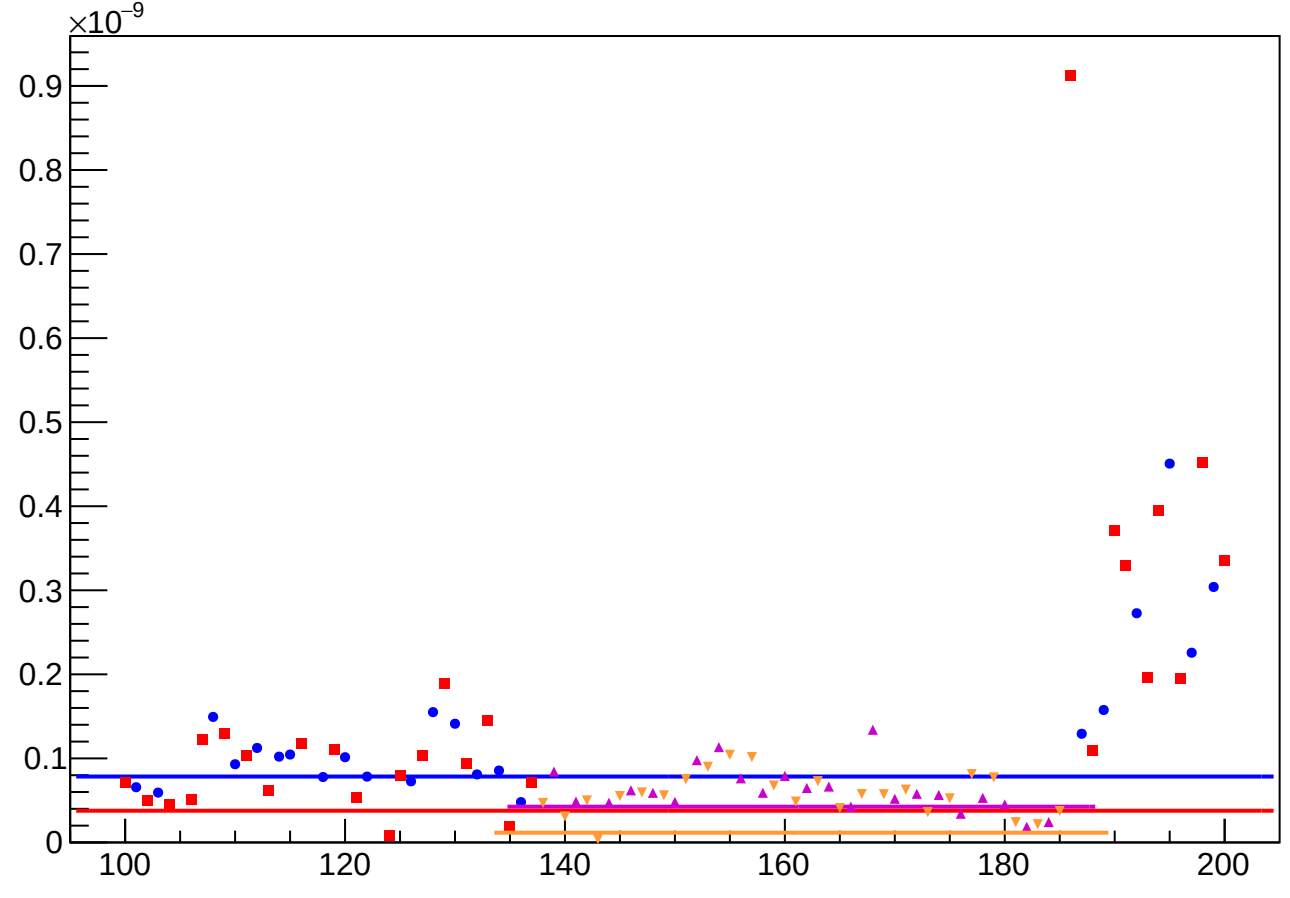
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/49

In: 0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:48.8/52

All: 0.000+/-0.000 χ^2/NDF: 82.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 3659725.4/21

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

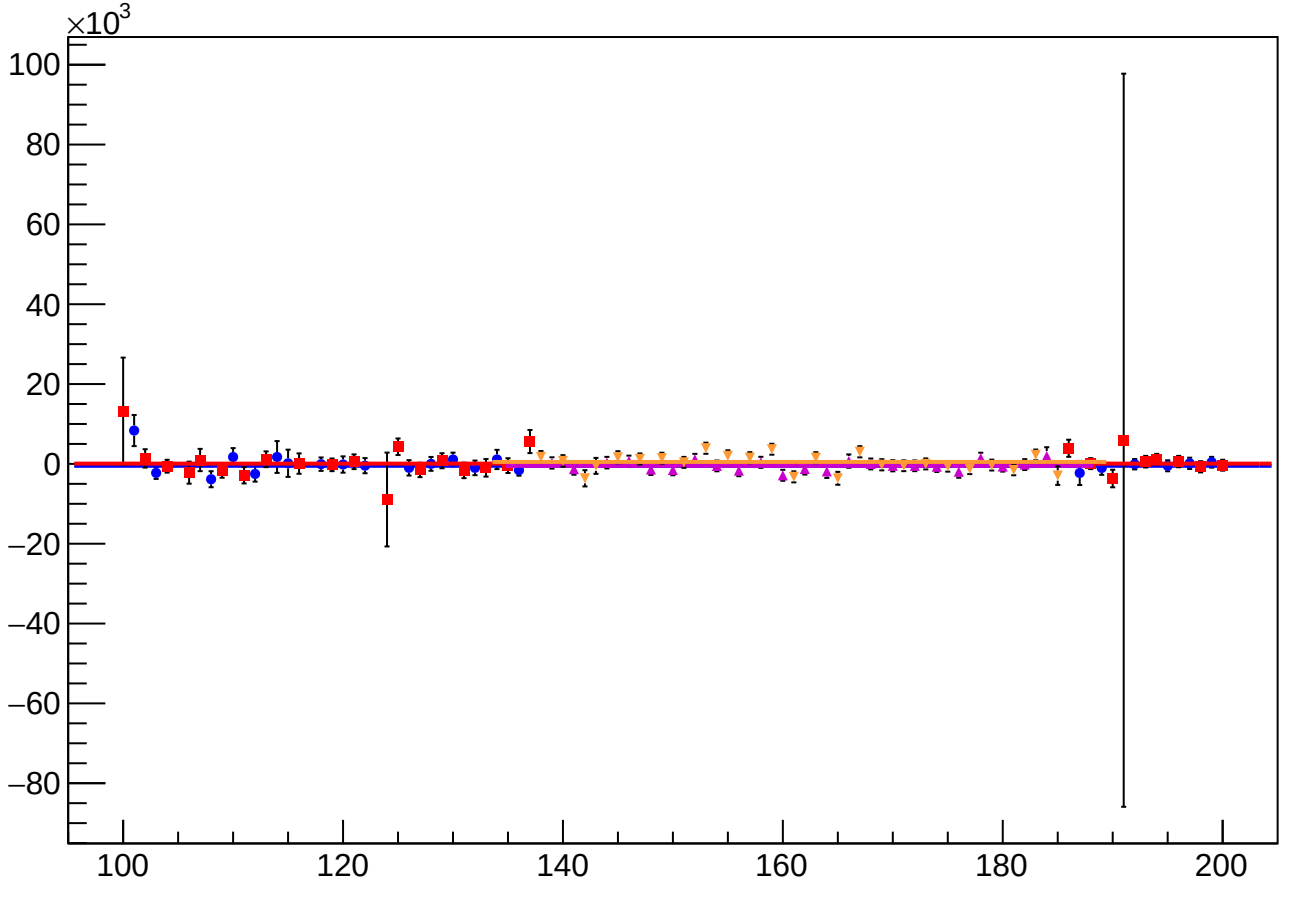
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15603767.8/49

In: 0.000+/-0.000 χ^2/NDF:11057190.2/44

Out: 0.000+/-0.000 χ^2/NDF:30517035.8/52

All: 0.000+/-0.000 χ^2/NDF: 54067539.6/97



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

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

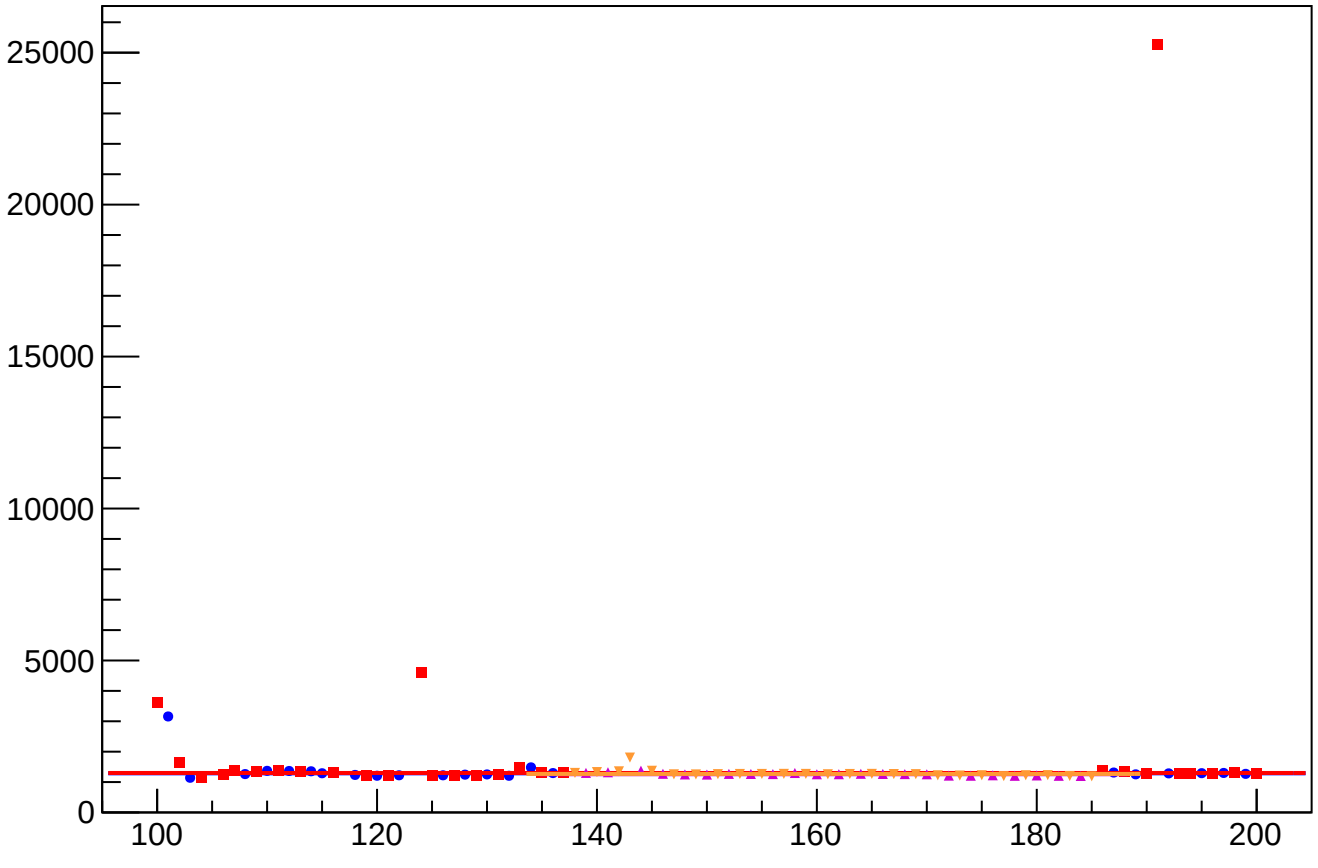
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -188.120+/-262.408 χ^2/NDF: 39.6/49

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -64.548+/-161.955 χ^2/NDF: 106.9/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

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

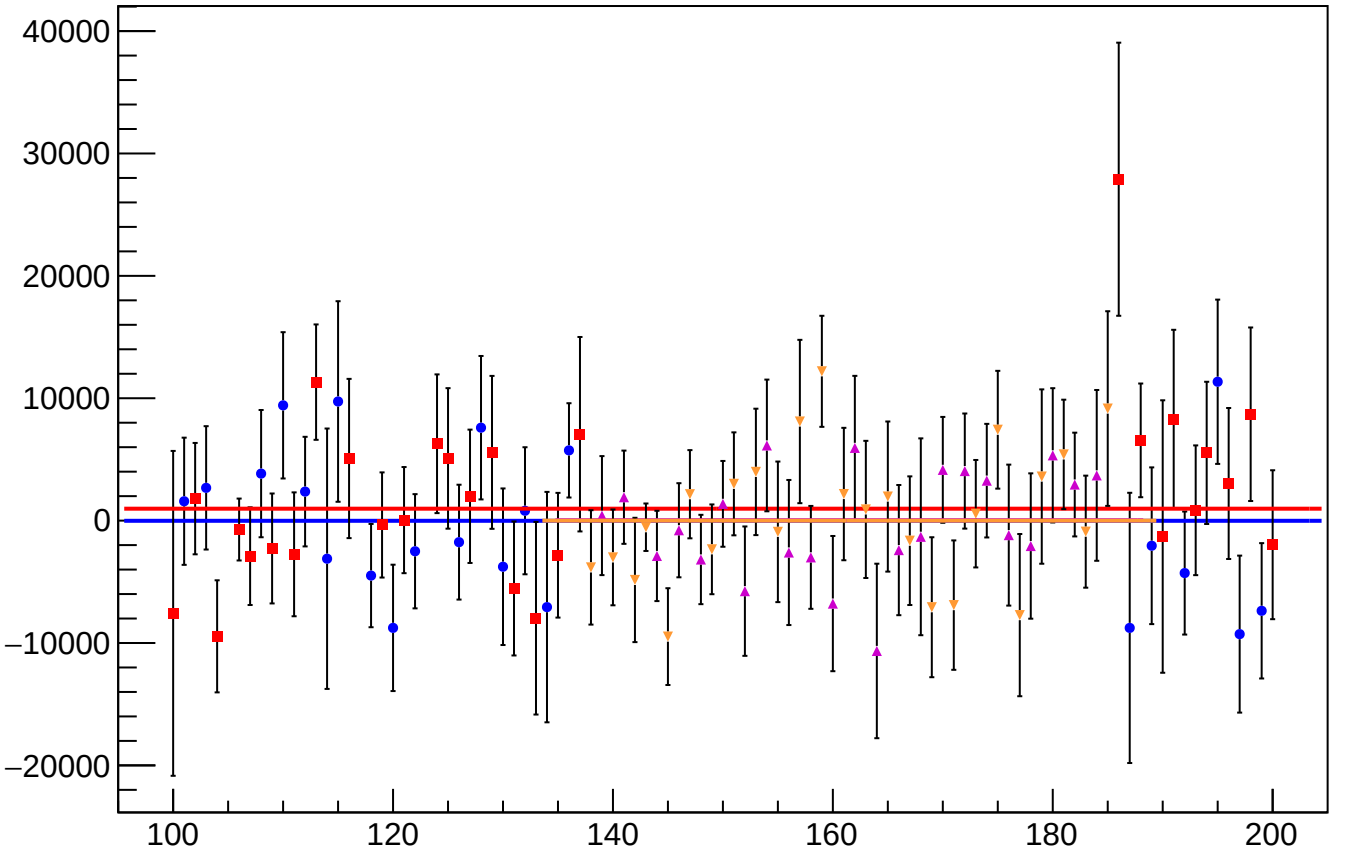
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.566+/-0.185 χ^2/NDF: 983442.9/49

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

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

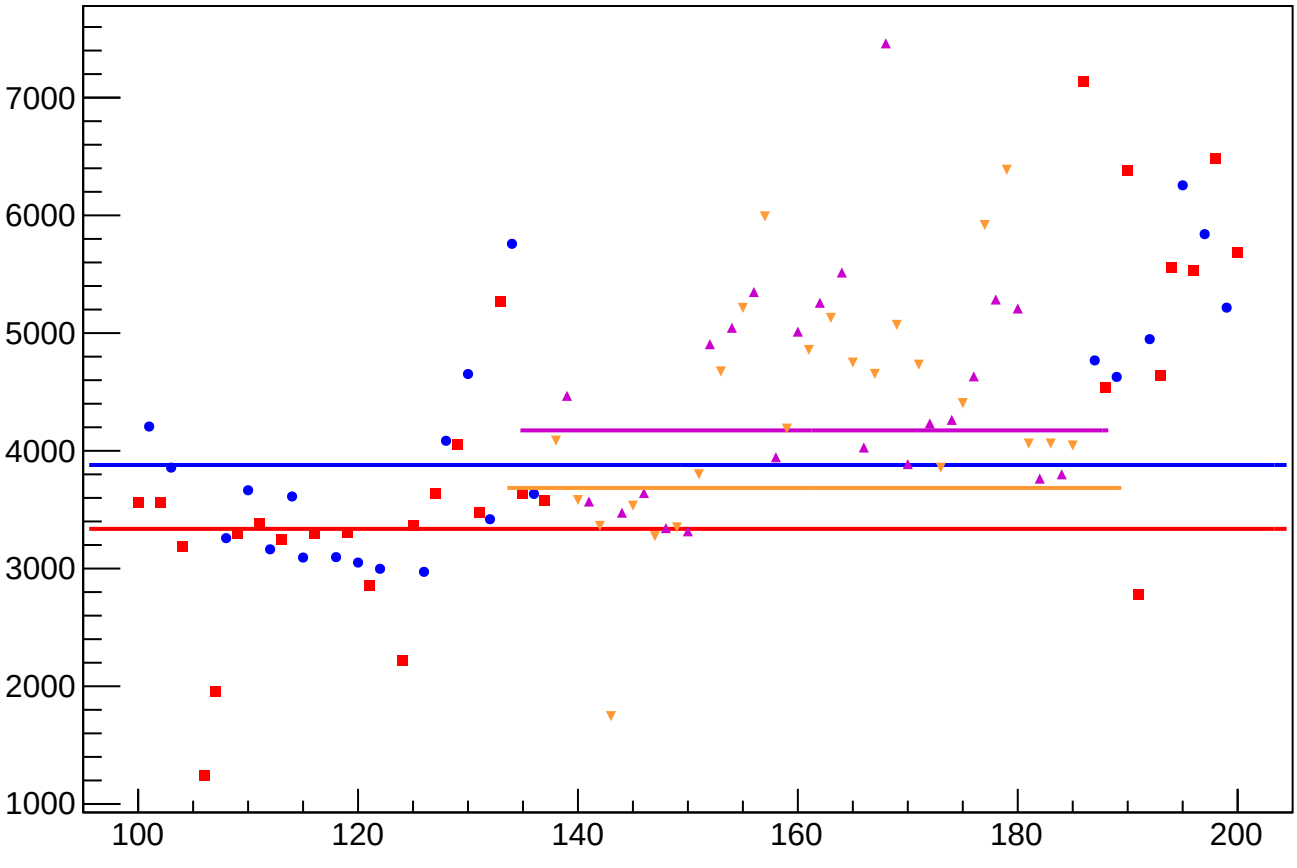
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 567.495+/-755.843 χ^2/NDF: 52.8/49

In: 12.302+/-760.262 χ^2/NDF:36.7/44

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 254.067+/-497.996 χ^2/NDF: 96.2/97



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

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

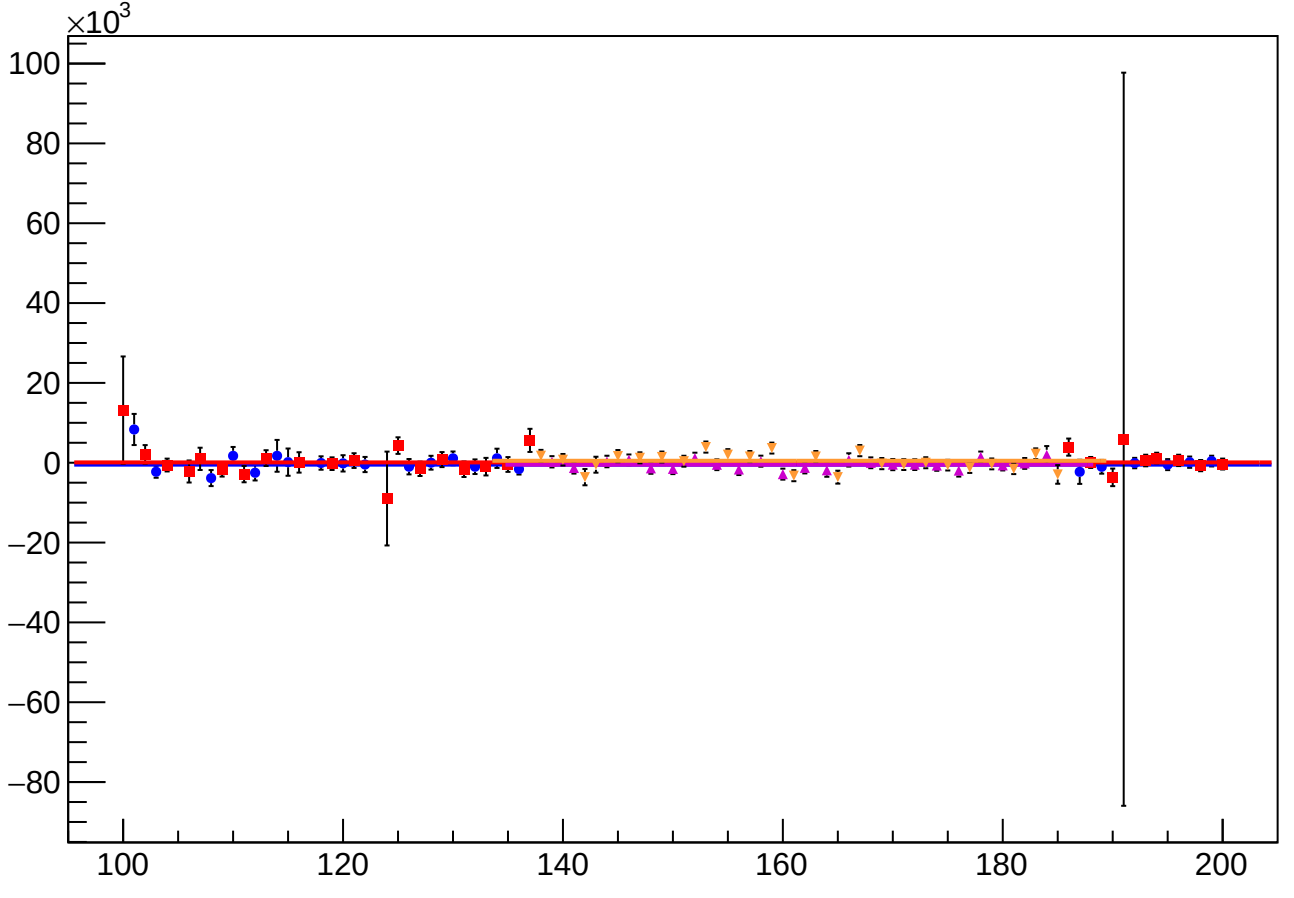
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3560.423+/-0.534 χ^2/NDF: 5218792.9/49

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

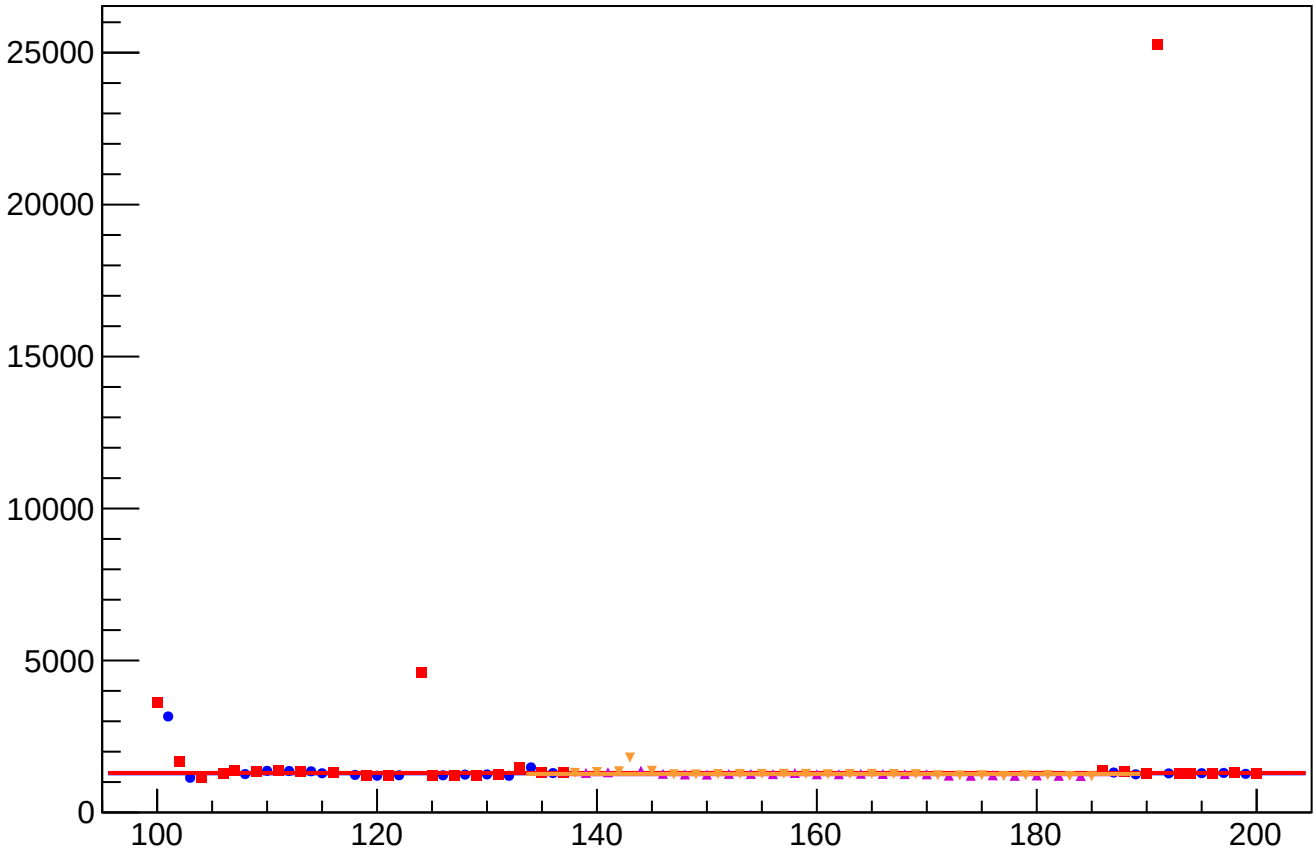
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

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

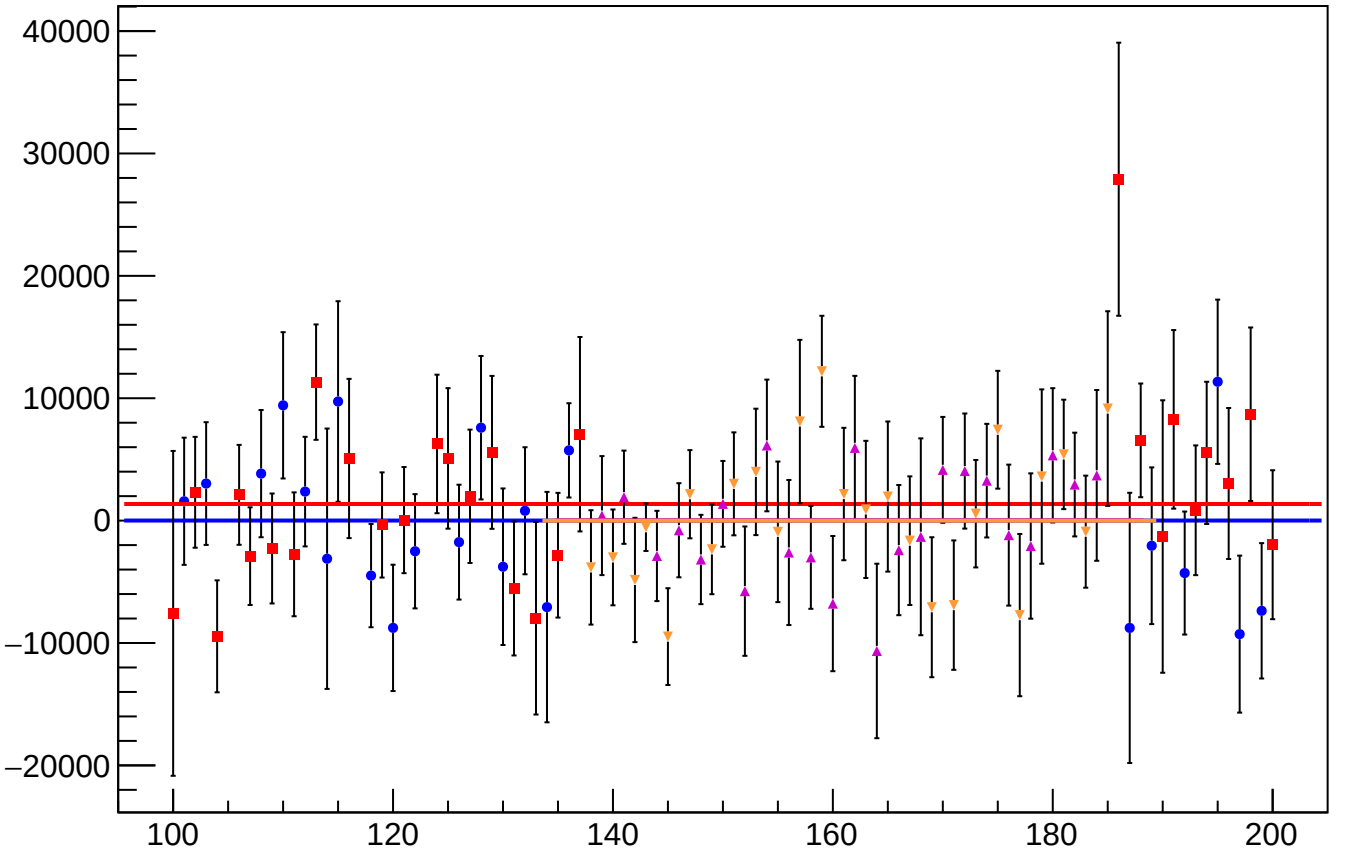
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1294.150+/-0.185 χ^2/NDF: 990175.3/49

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

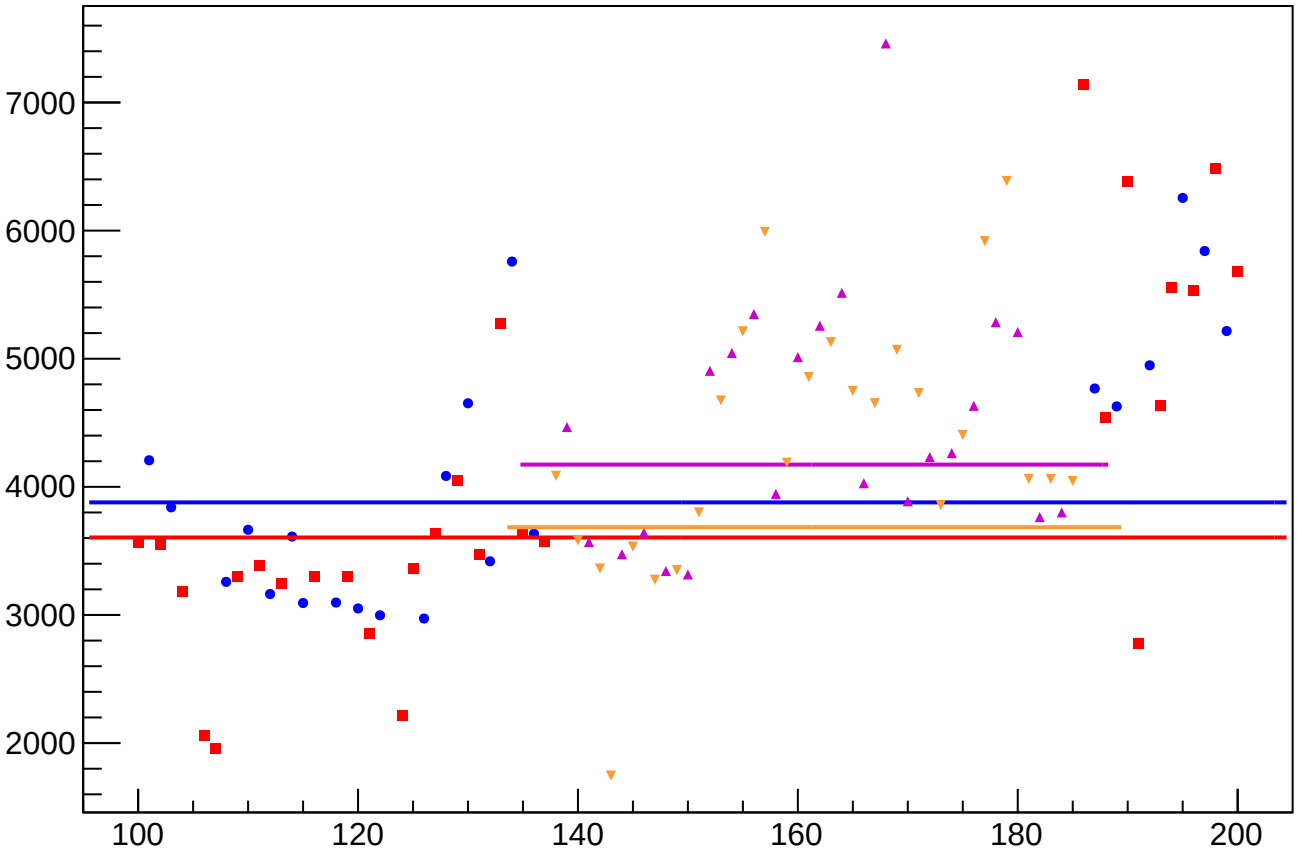
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

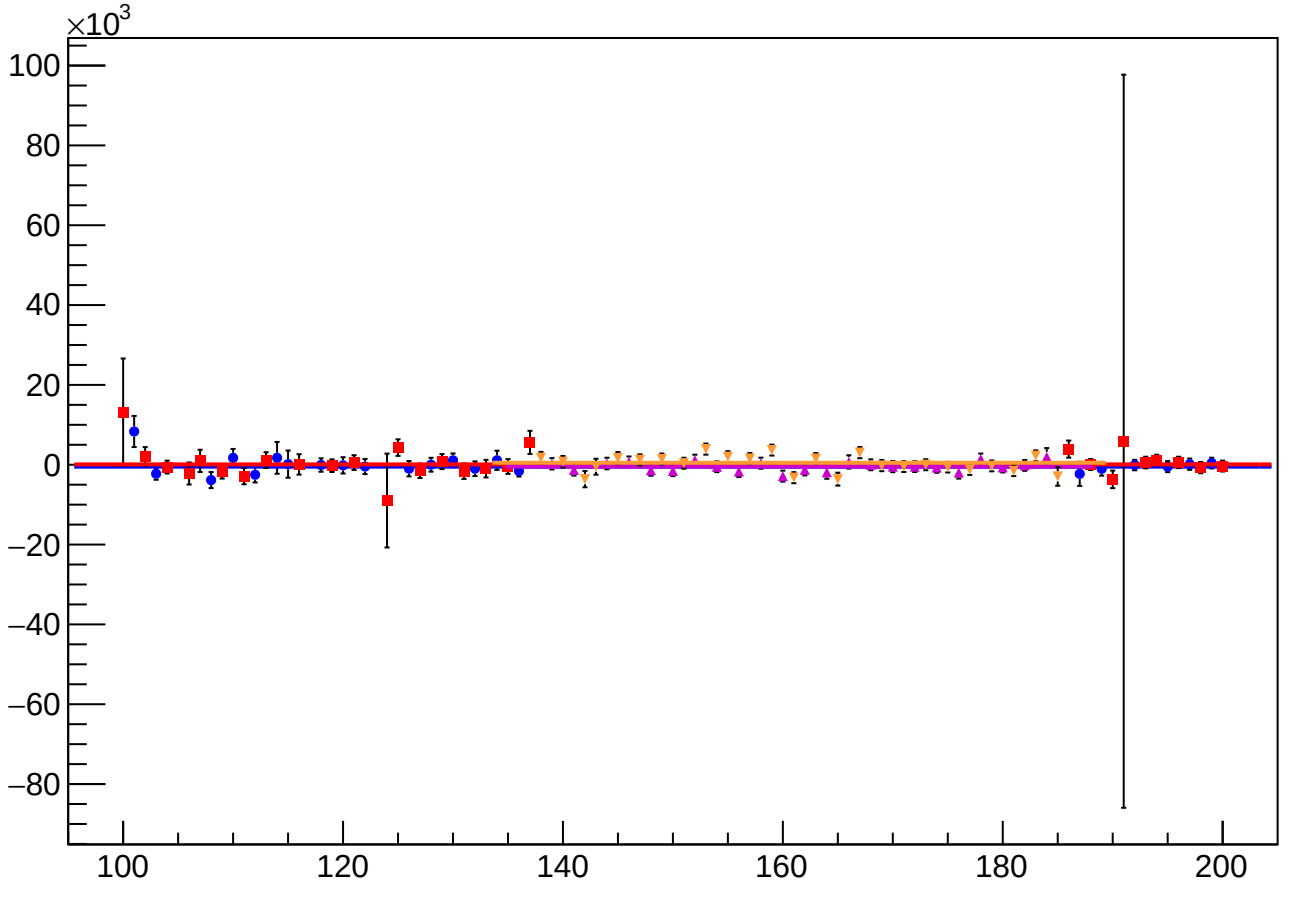
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

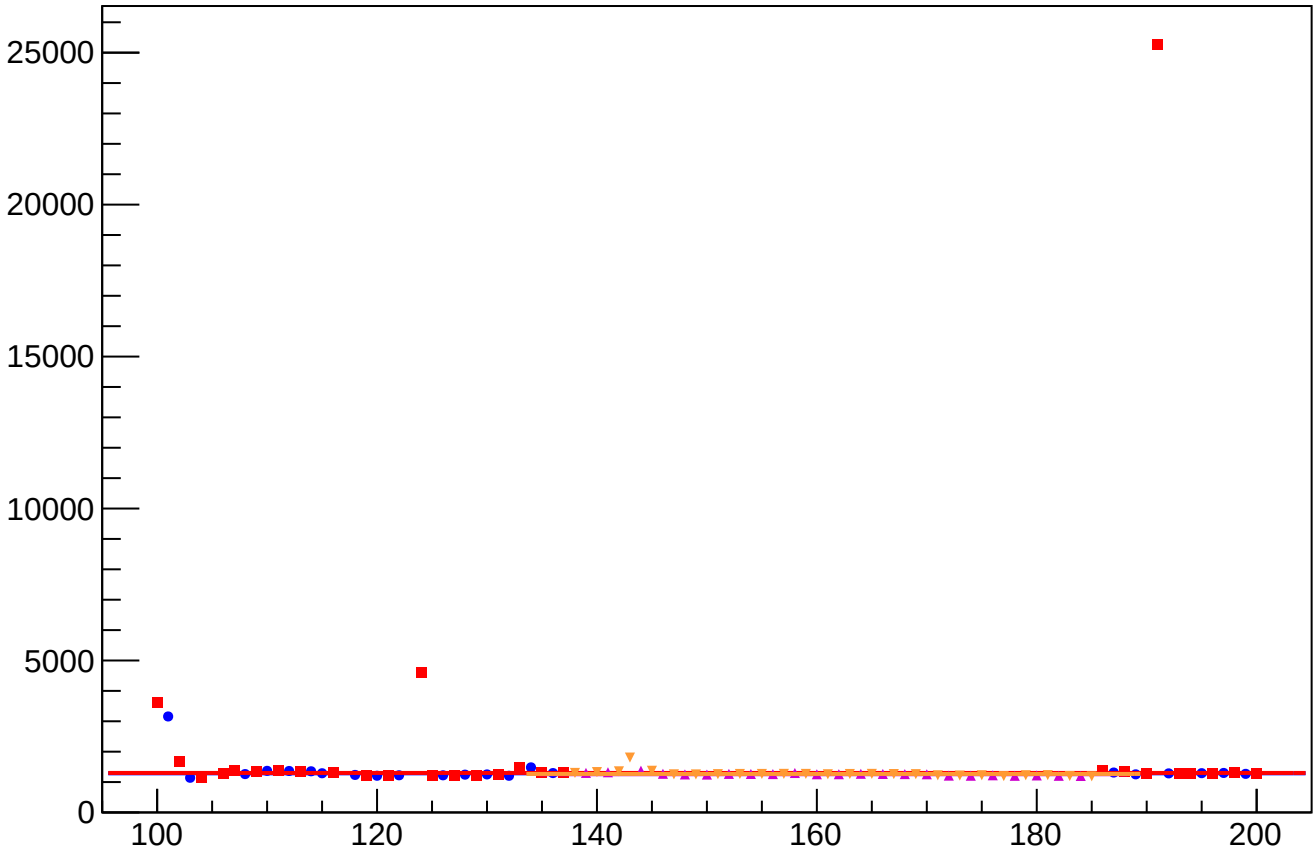
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

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

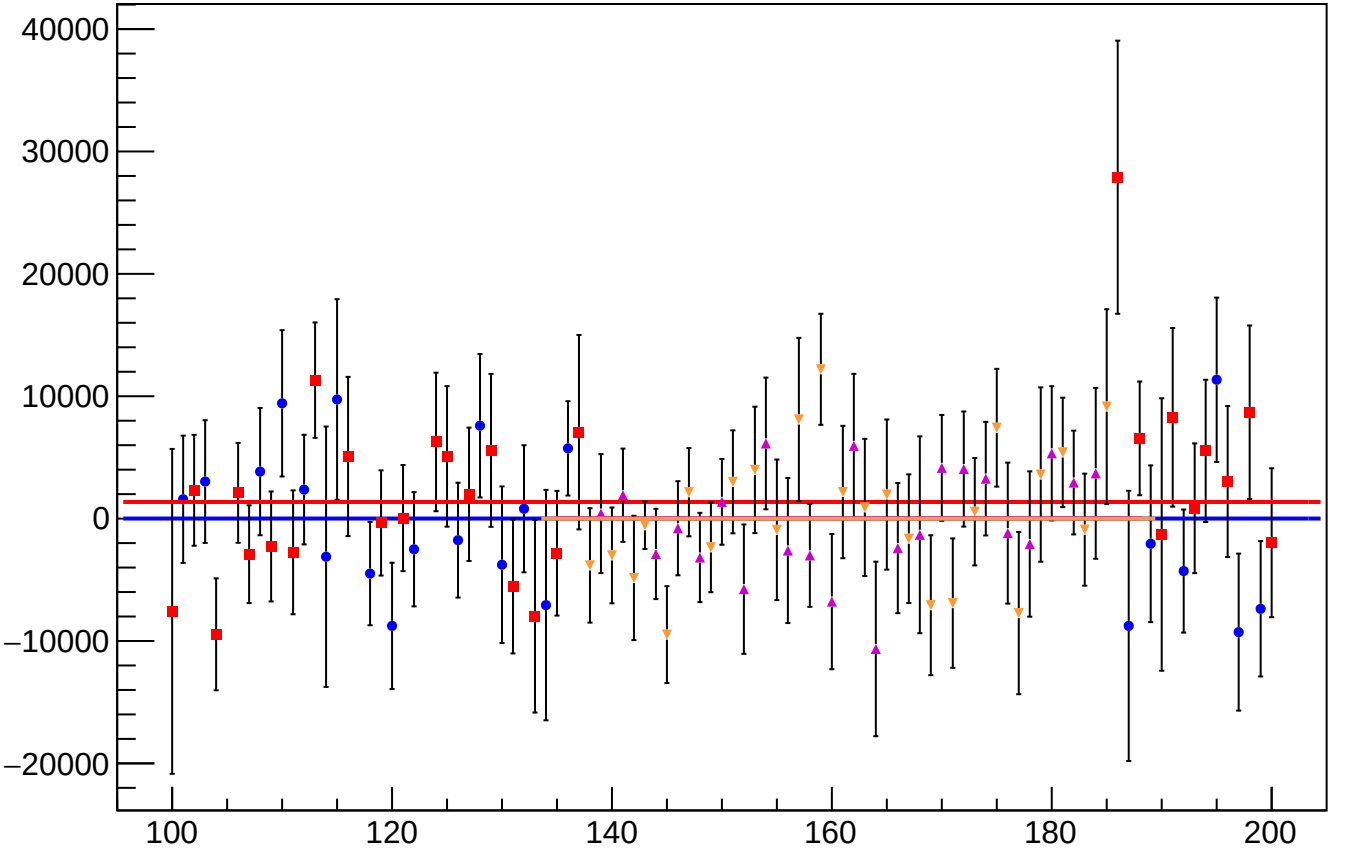
Right: 1294.150+/-0.185 χ^2/NDF: 990175.3/49

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

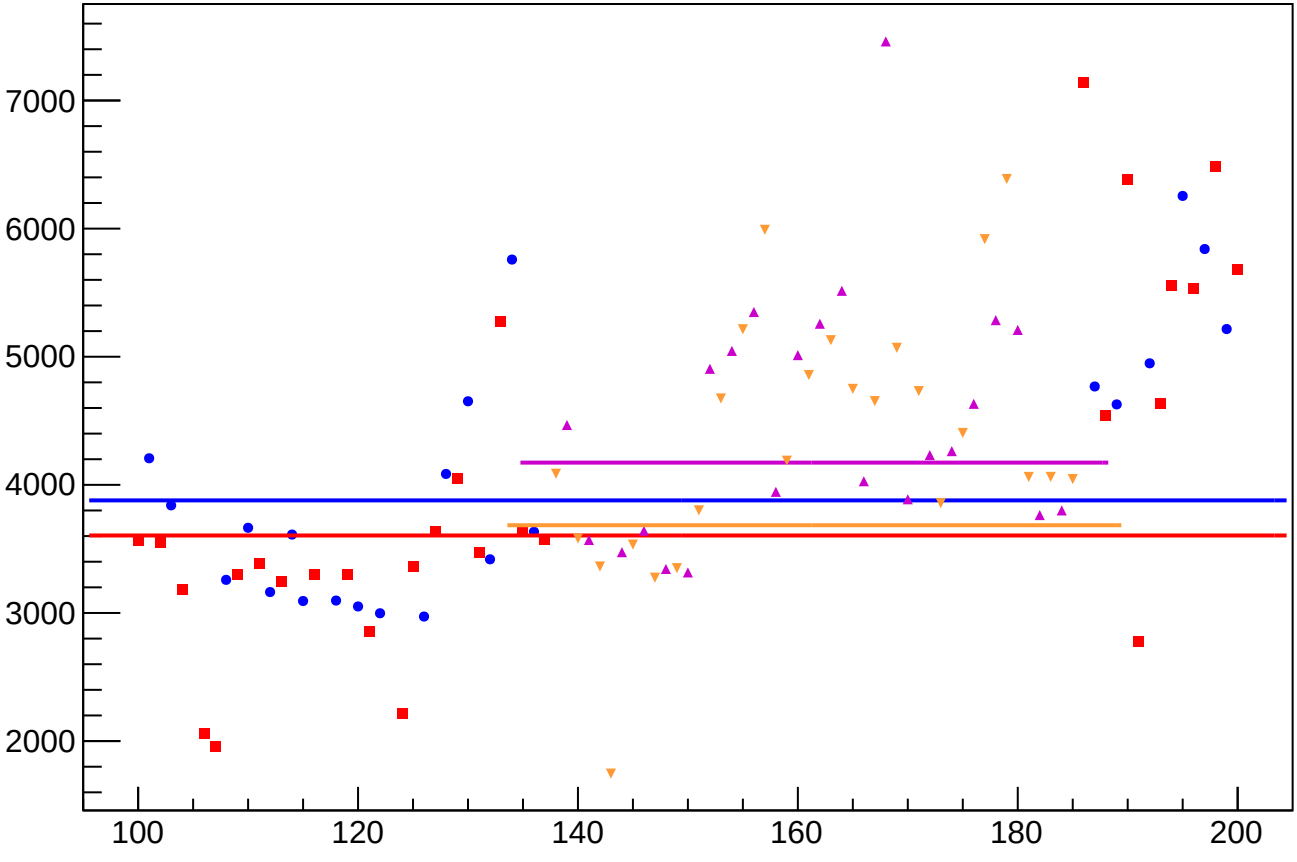
Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

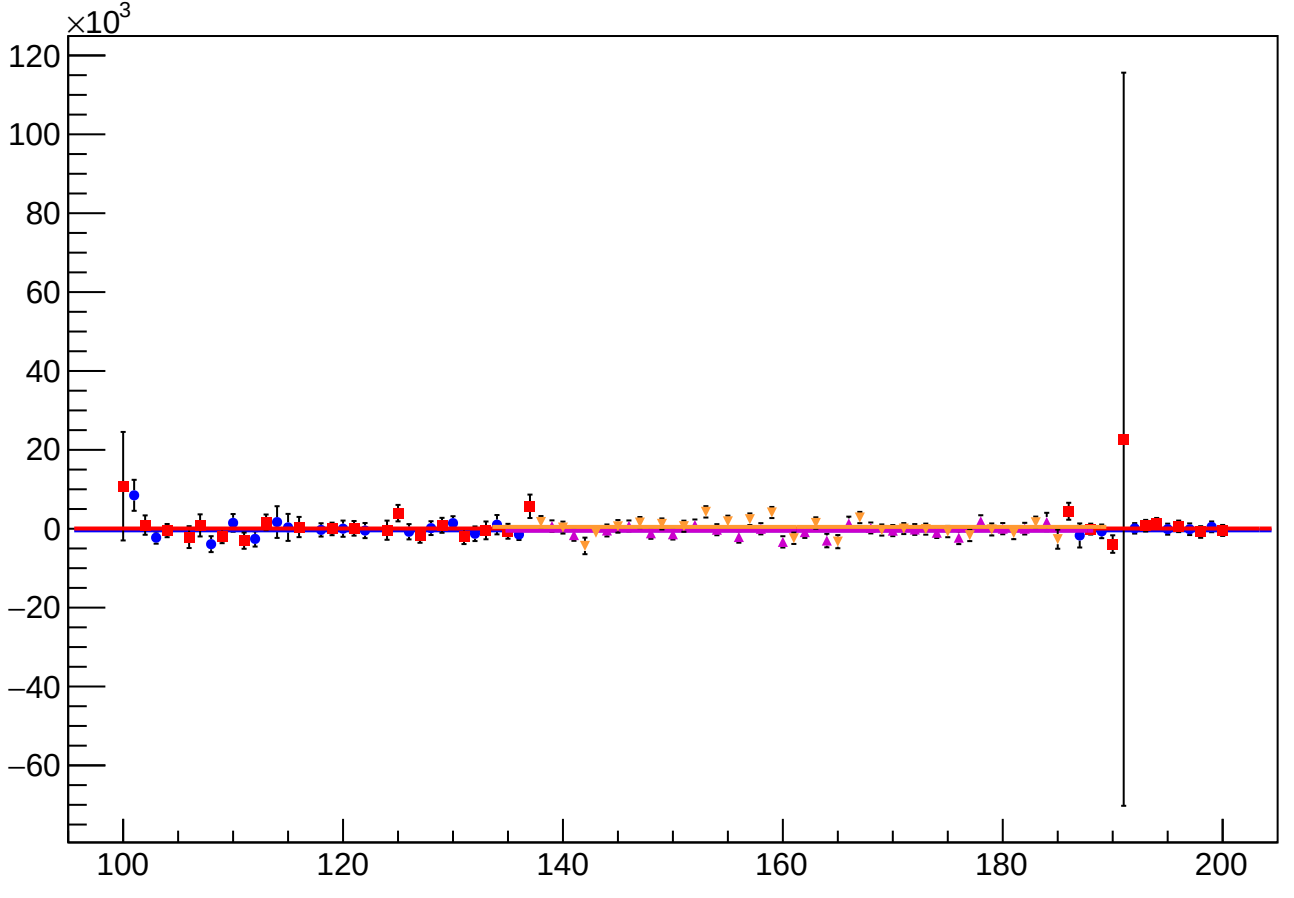
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

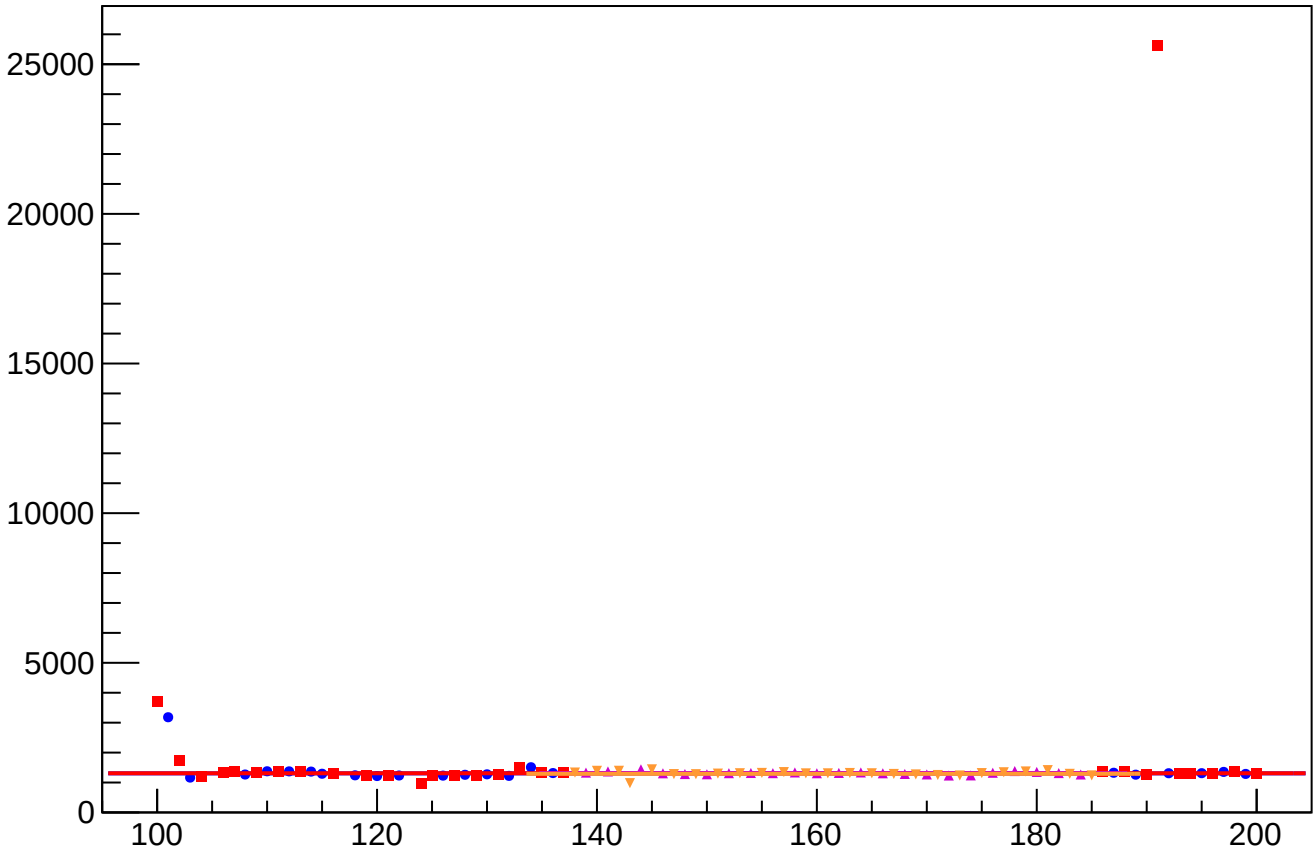
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -157.694+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -59.960+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

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

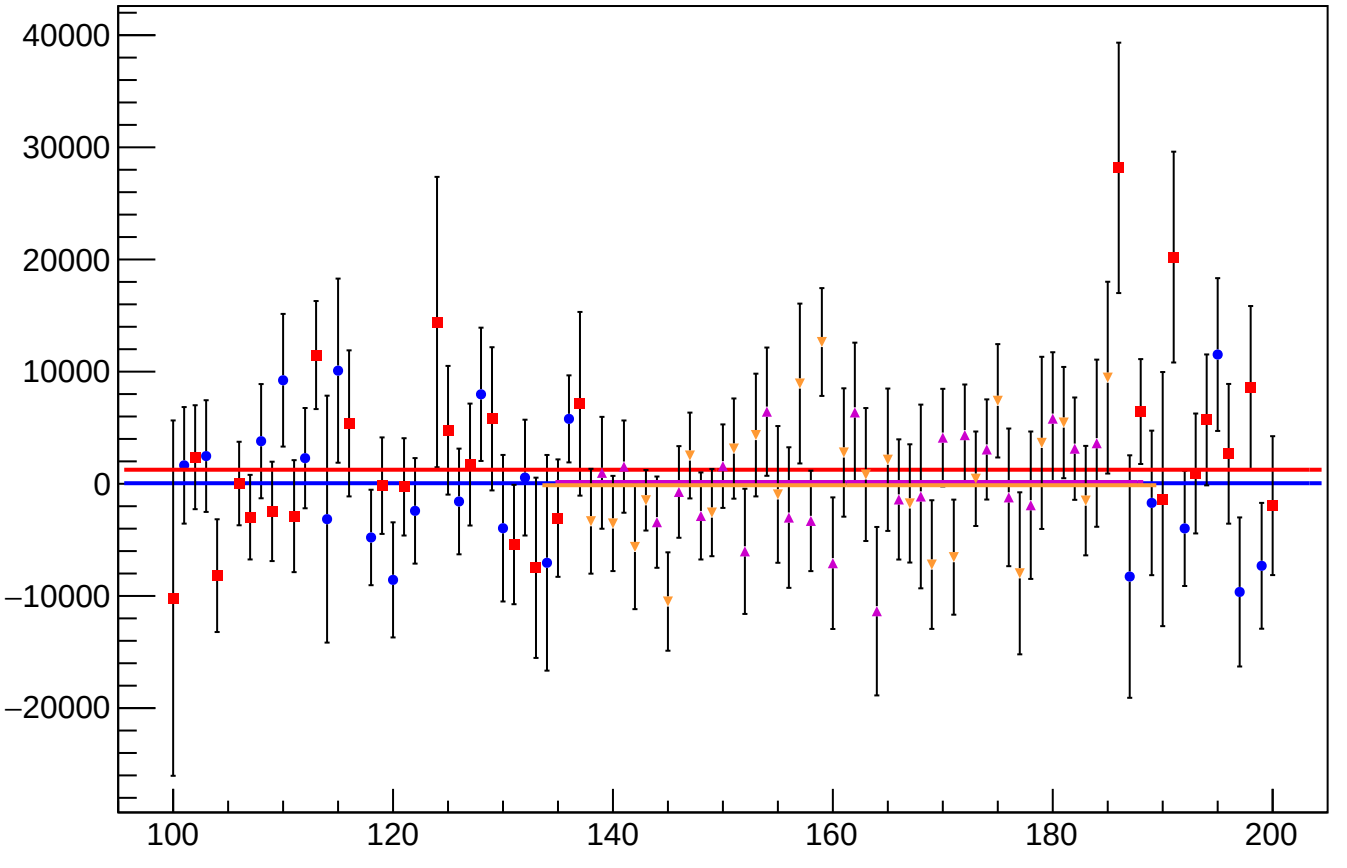
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1307.769+/-0.187 χ^2/NDF: 877899.1/49

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

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

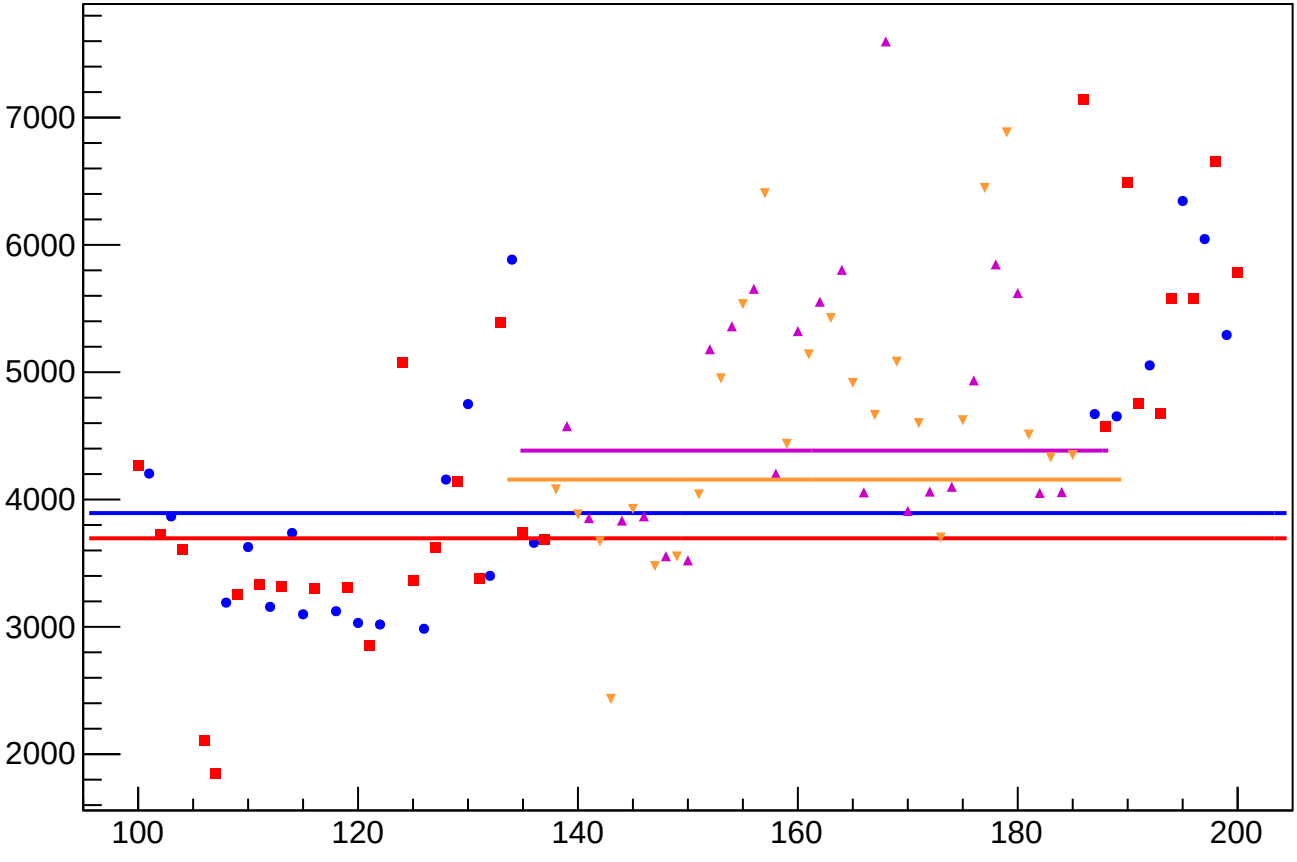
Right: 722.610+/-786.564 χ^2/NDF: 54.0/49

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.926+/-528.641 χ^2/NDF: 96.9/97

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

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

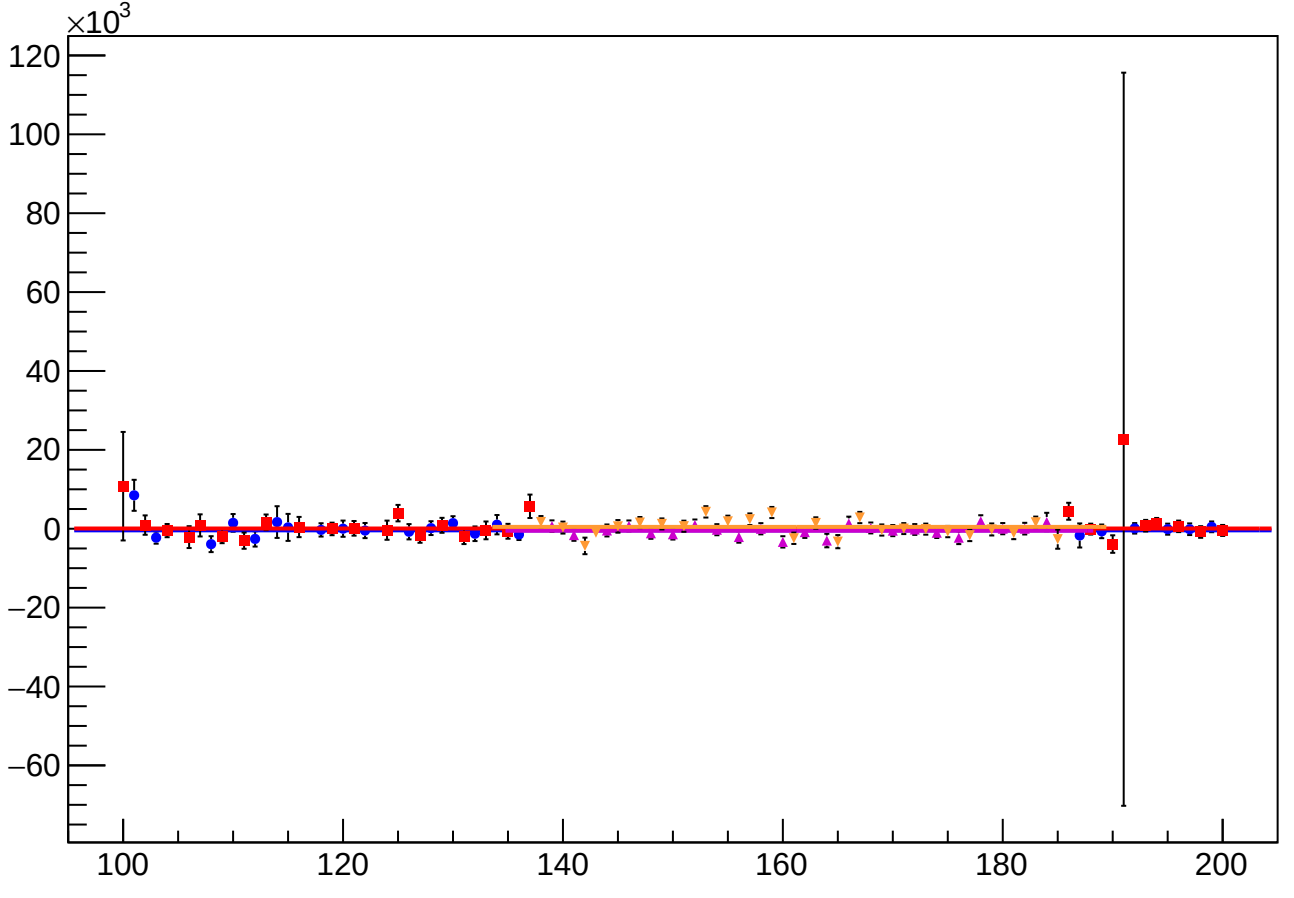
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3782.956+/-0.556 χ^2/NDF: 3848144.2/49

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

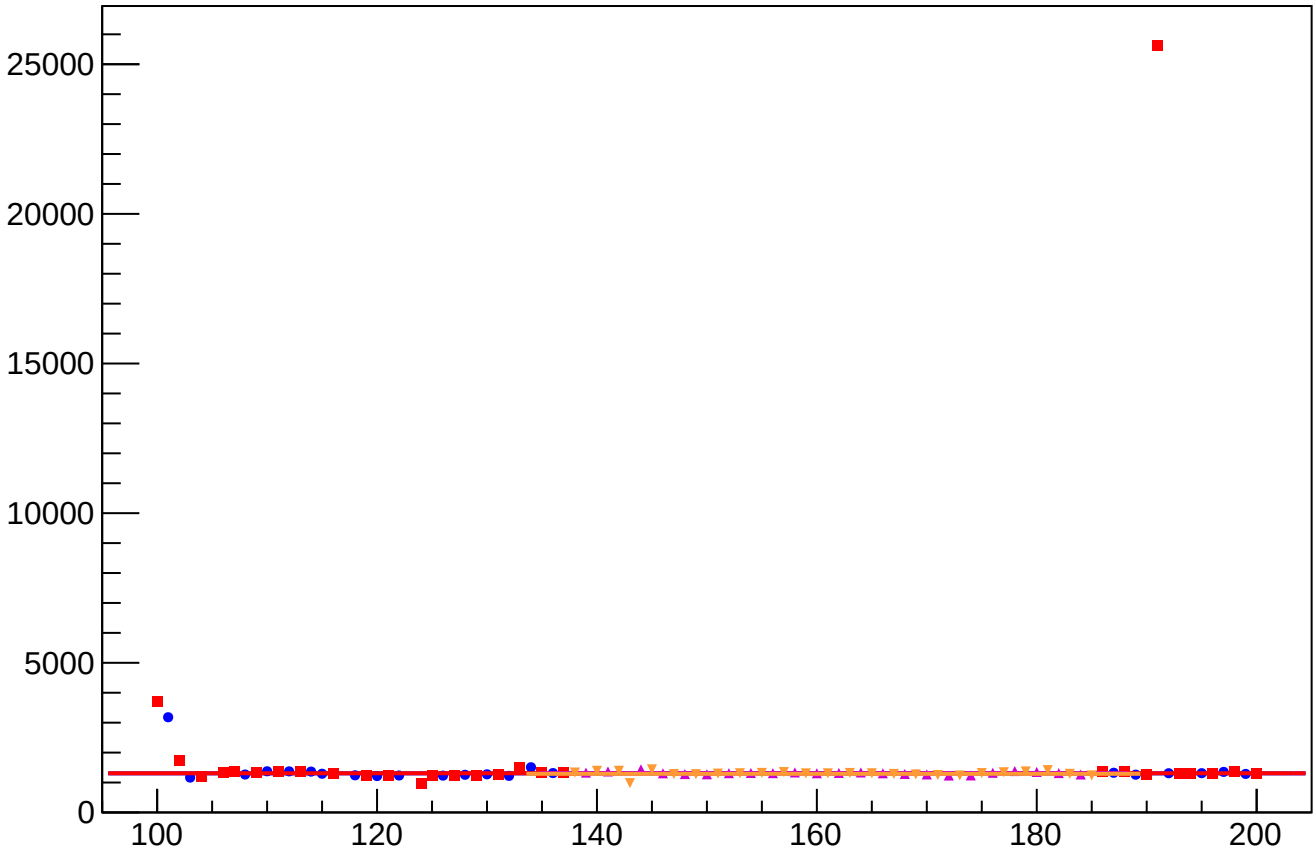
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -157.696+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -59.959+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

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

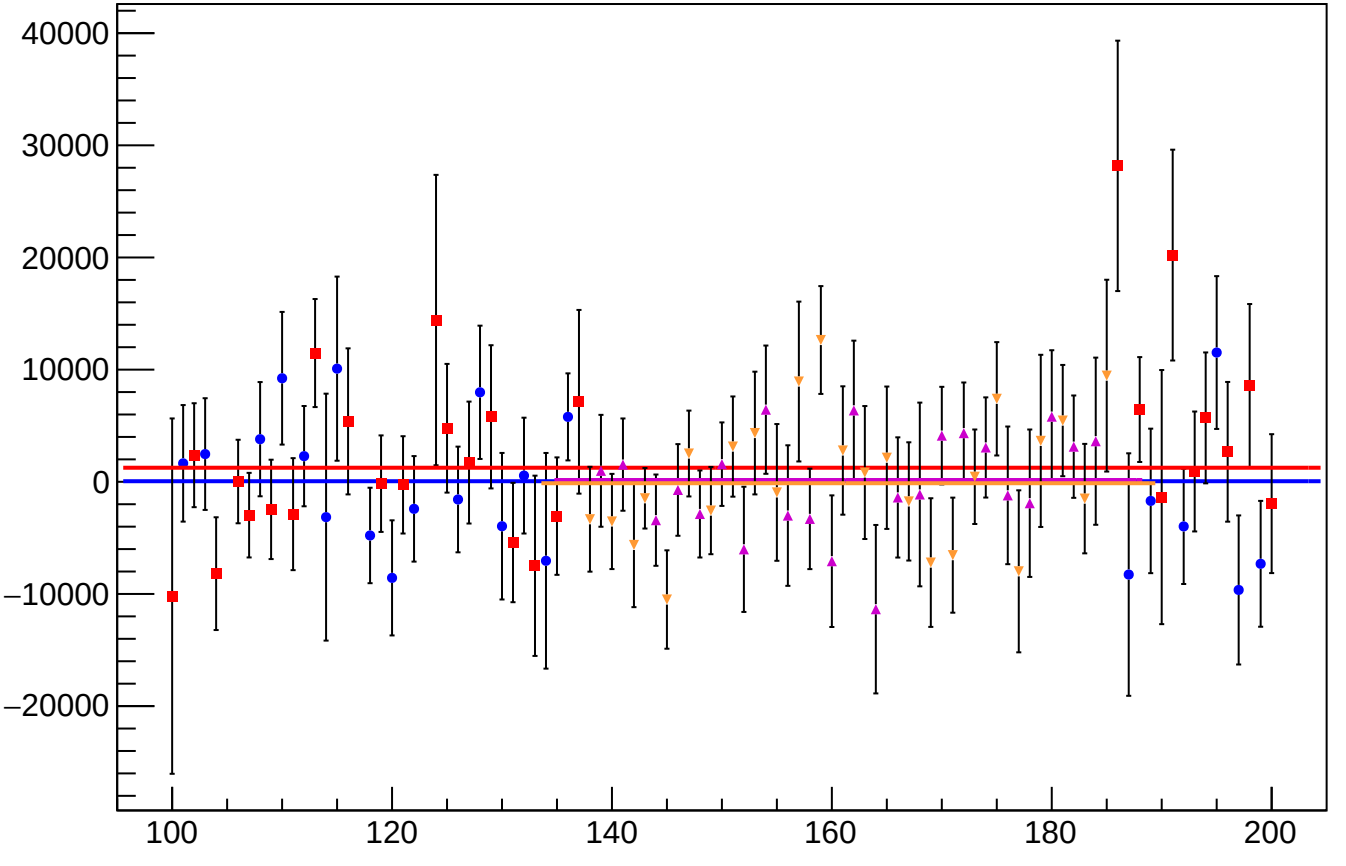
Right: 1307.769+/-0.187 χ^2/NDF: 877899.6/49

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

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

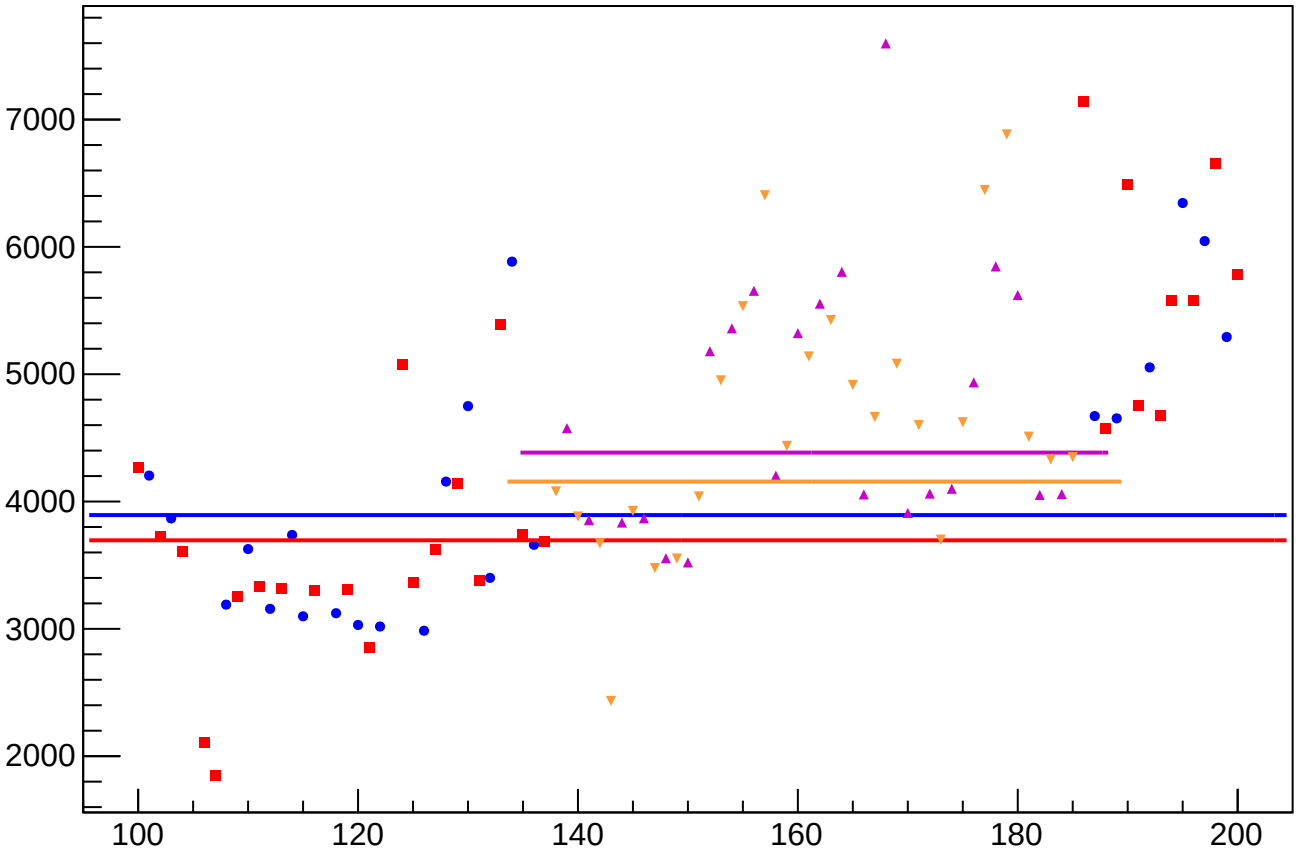
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 722.603+/-786.563 χ^2/NDF: 54.0/49

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.925+/-528.641 χ^2/NDF: 96.9/97



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

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

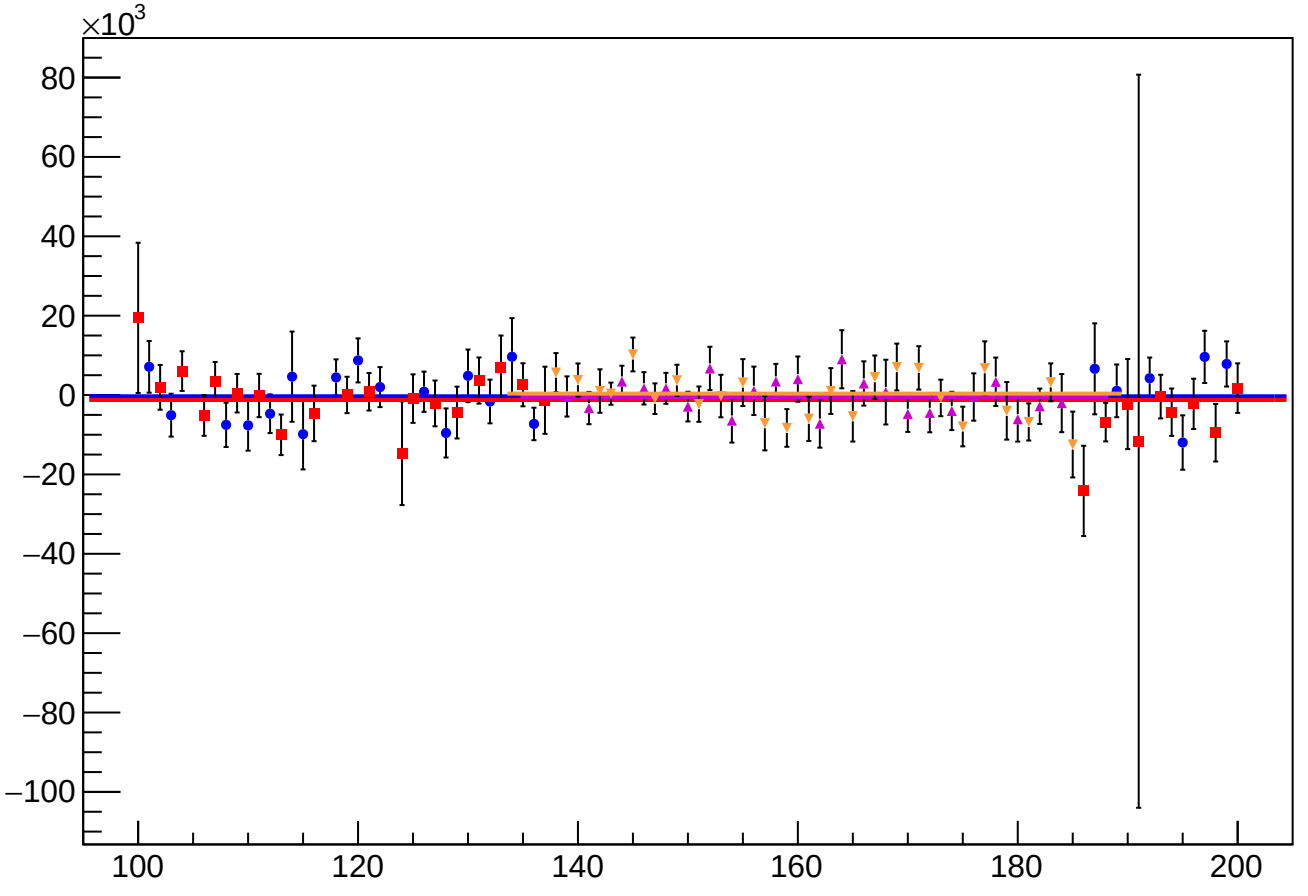
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3782.949+/-0.556 χ^2/NDF: 3848180.8/49

In: 4169.145+/-0.554 χ^2/NDF:2719913.5/44

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4046.038+/-0.374 χ^2/NDF: 7643162.4/97



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

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

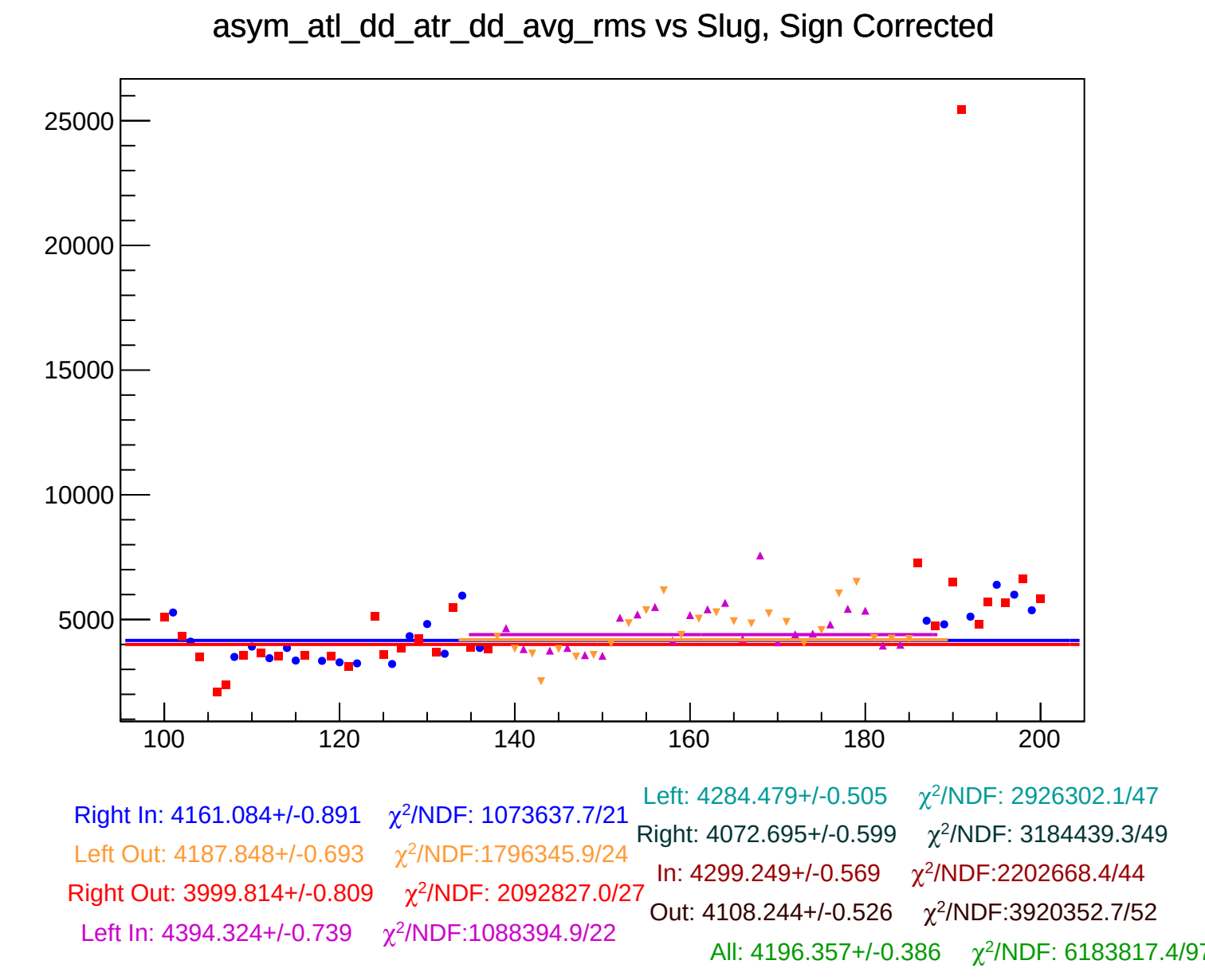
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

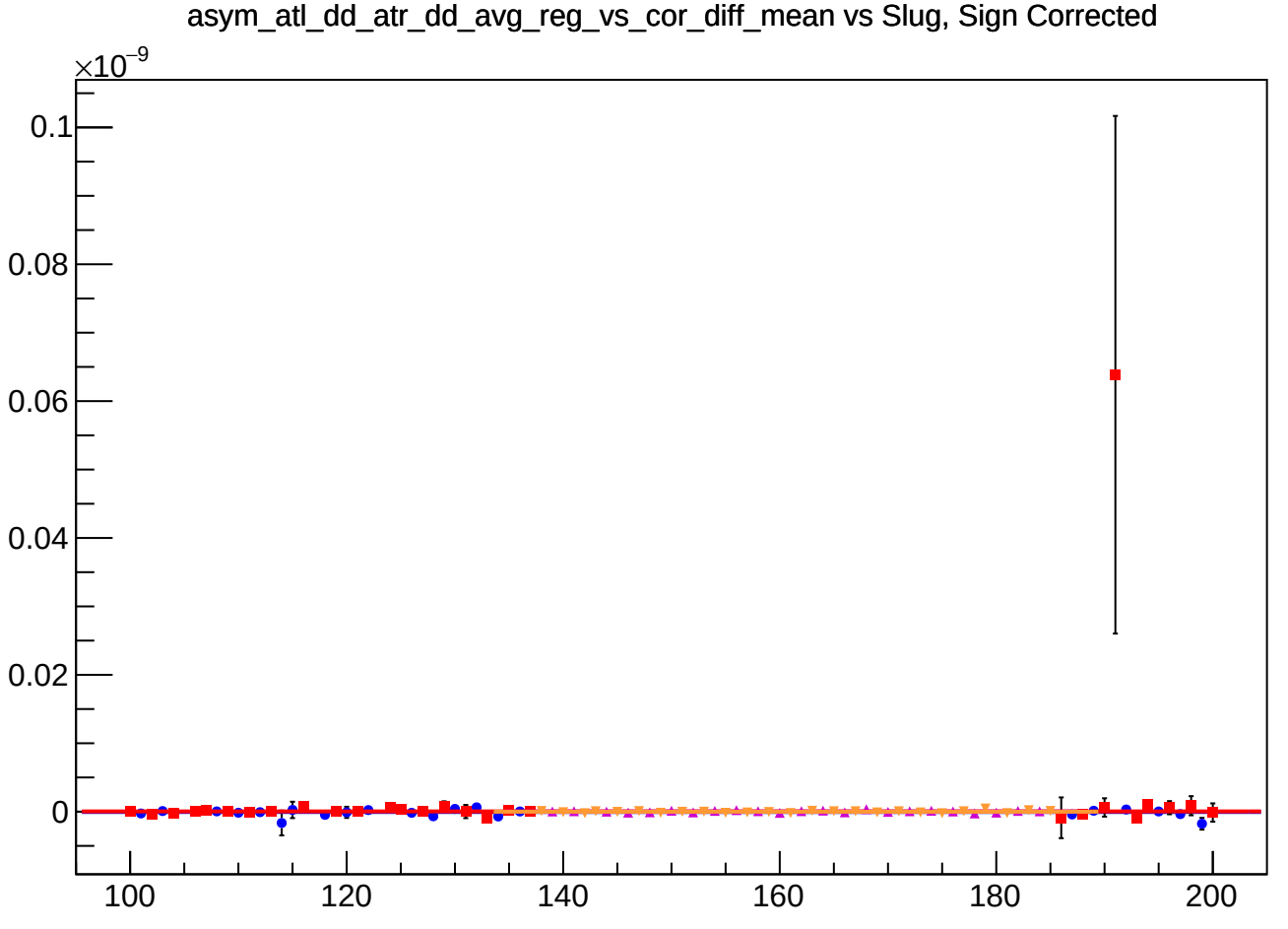
Right: -820.187+/-851.400 χ^2/NDF: 46.2/49

In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -362.491+/-547.396 χ^2/NDF: 88.6/97


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4161.084+/-0.891 χ²/NDF: 1073637.7/21
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: 4072.695+/-0.599 χ²/NDF: 3184439.3/49
In: 4299.249+/-0.569 χ²/NDF:2202668.4/44
Out: 4108.244+/-0.526 χ²/NDF:3920352.7/52
All: 4196.357+/-0.386 χ²/NDF: 6183817.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

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

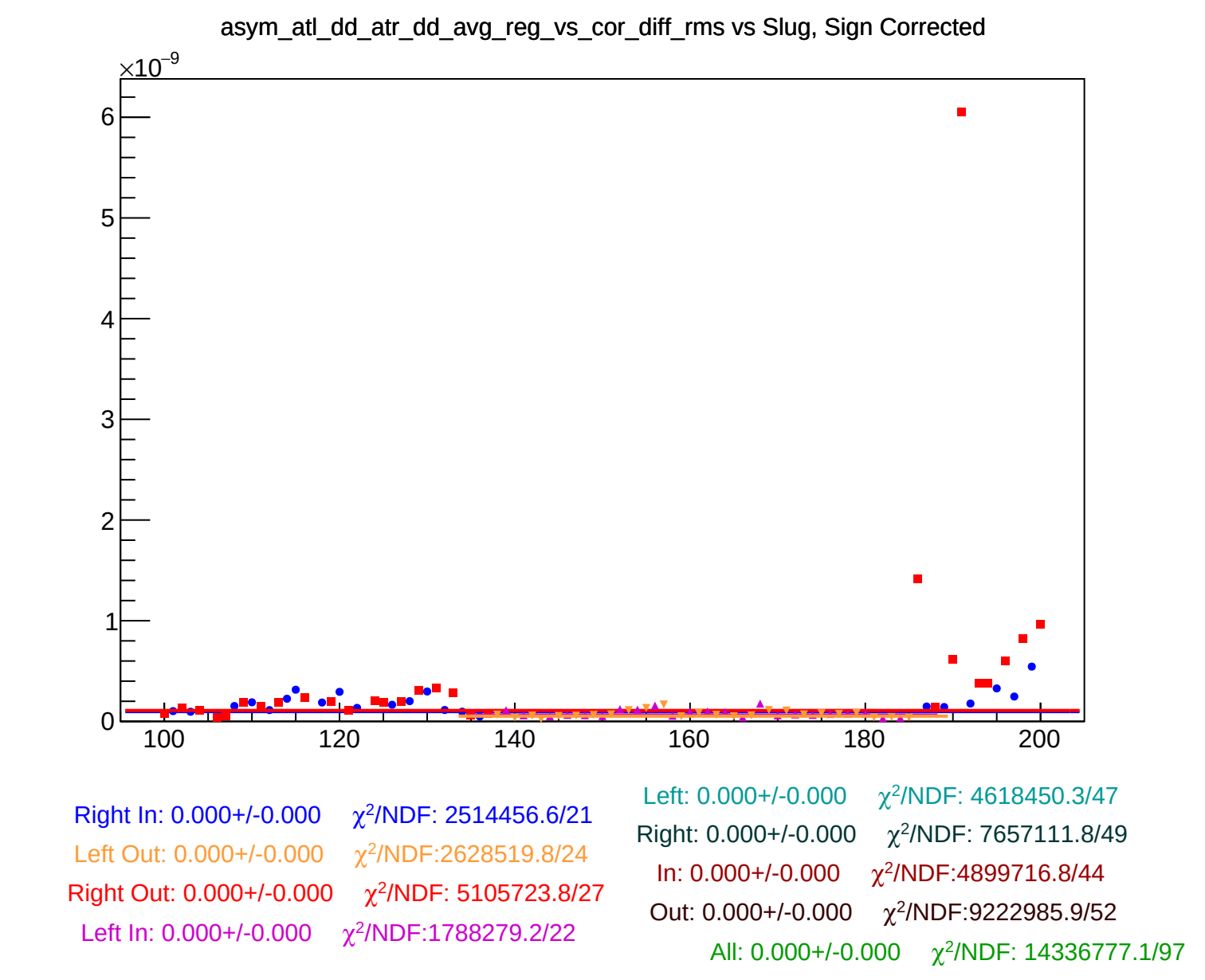
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/49

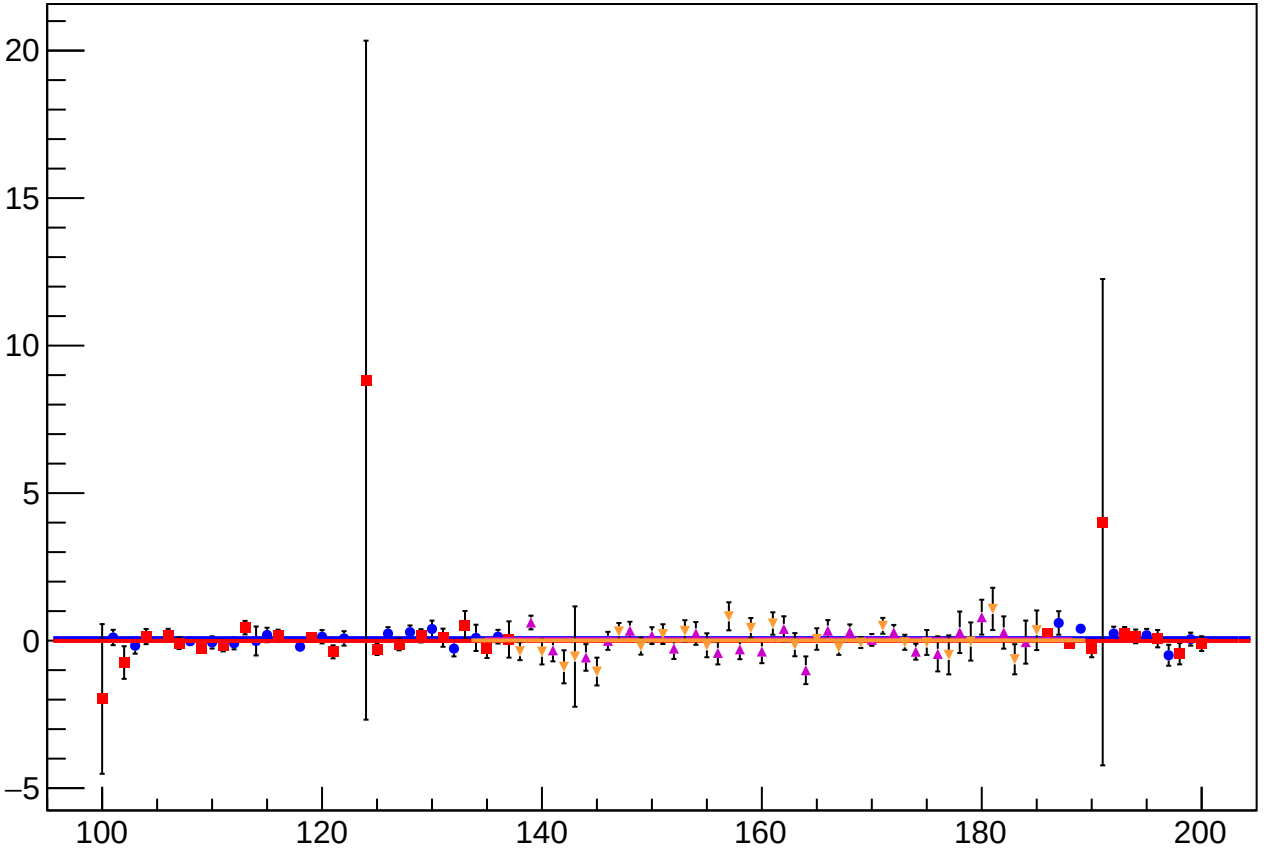
In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/97


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: 2514456.6/21
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: 7657111.8/49
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14336777.1/97

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

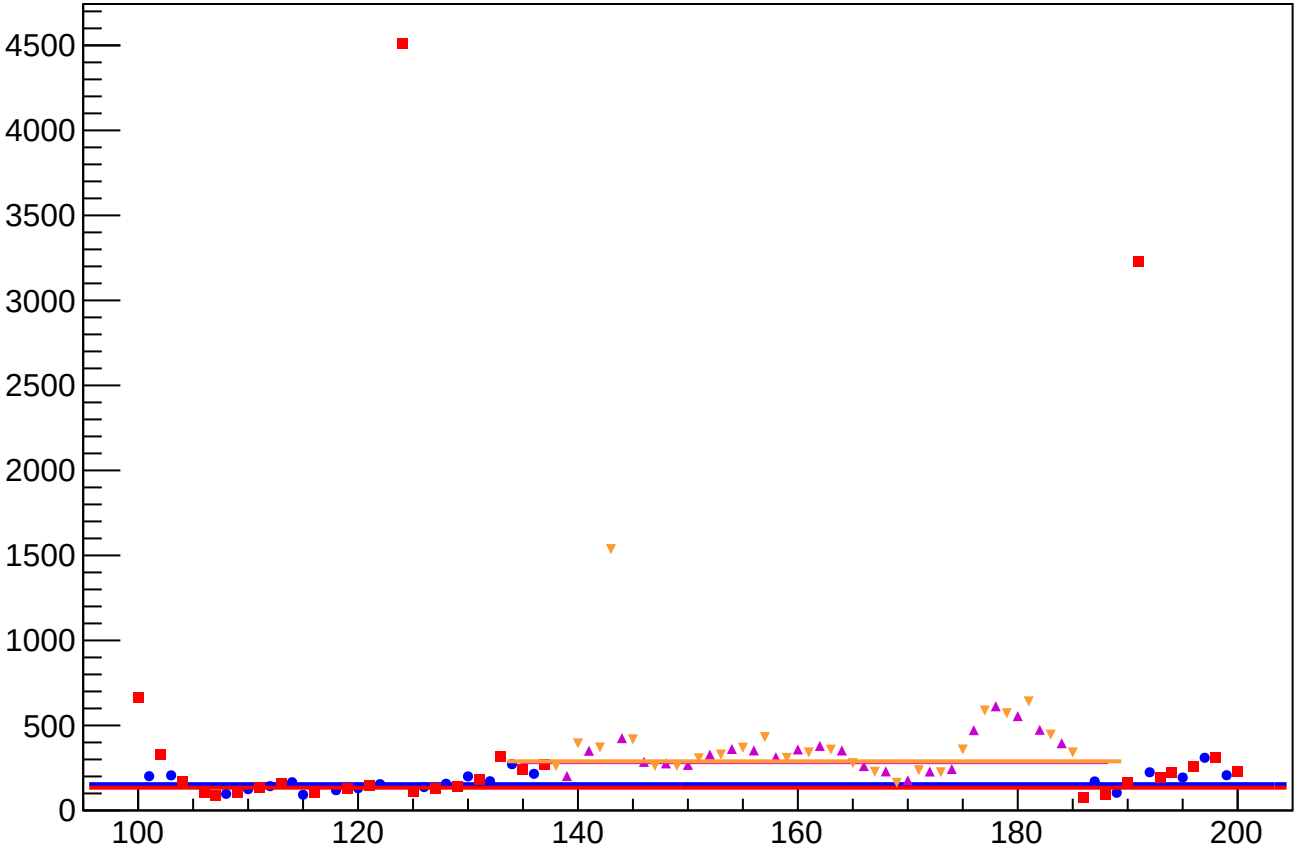
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

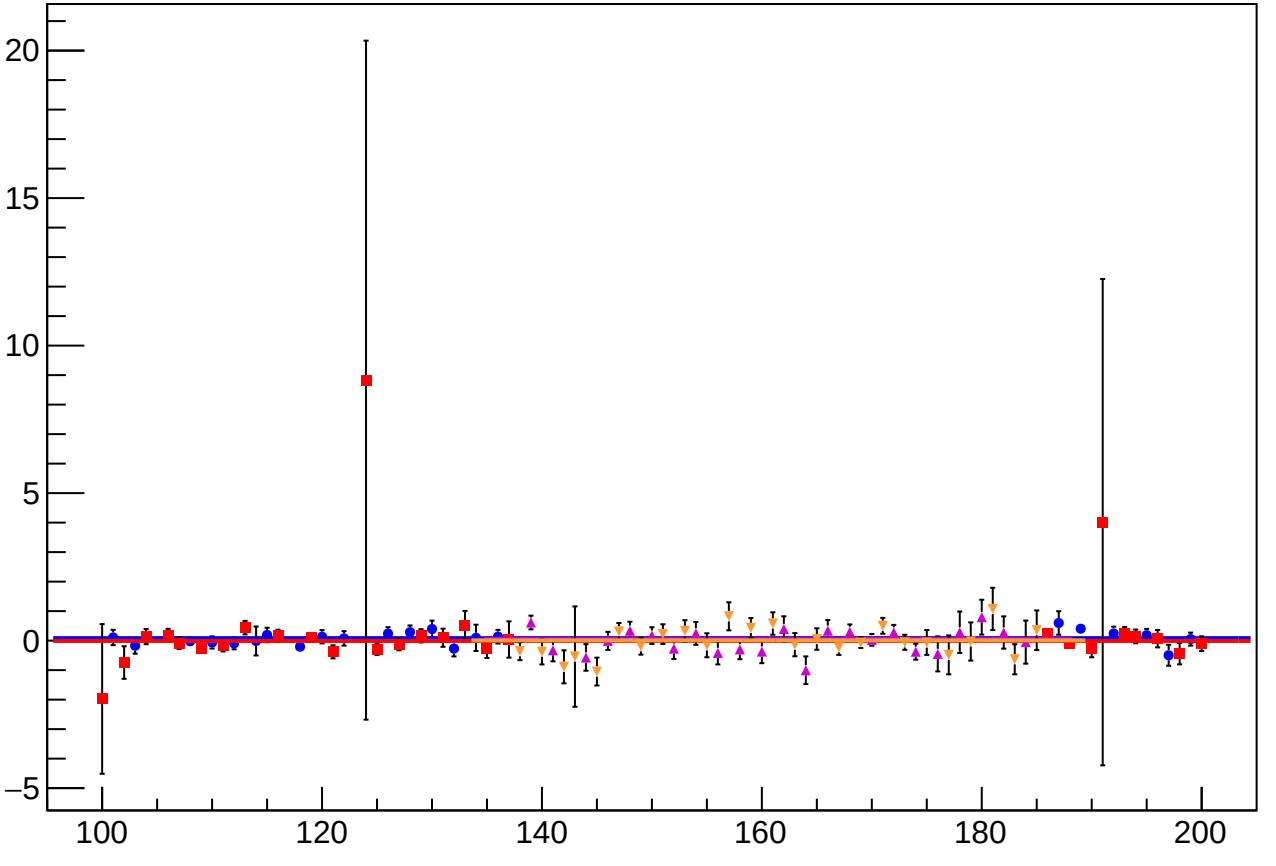
Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

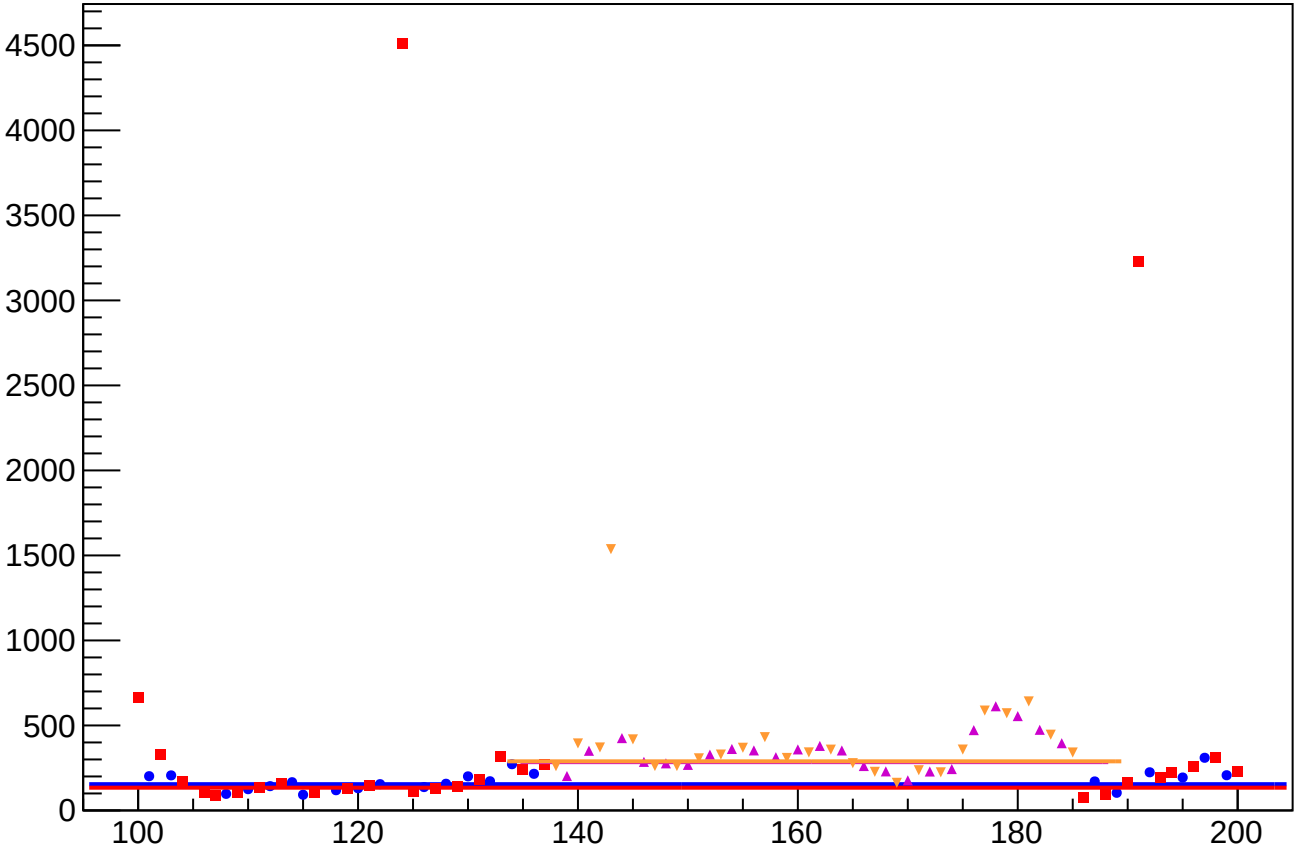
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

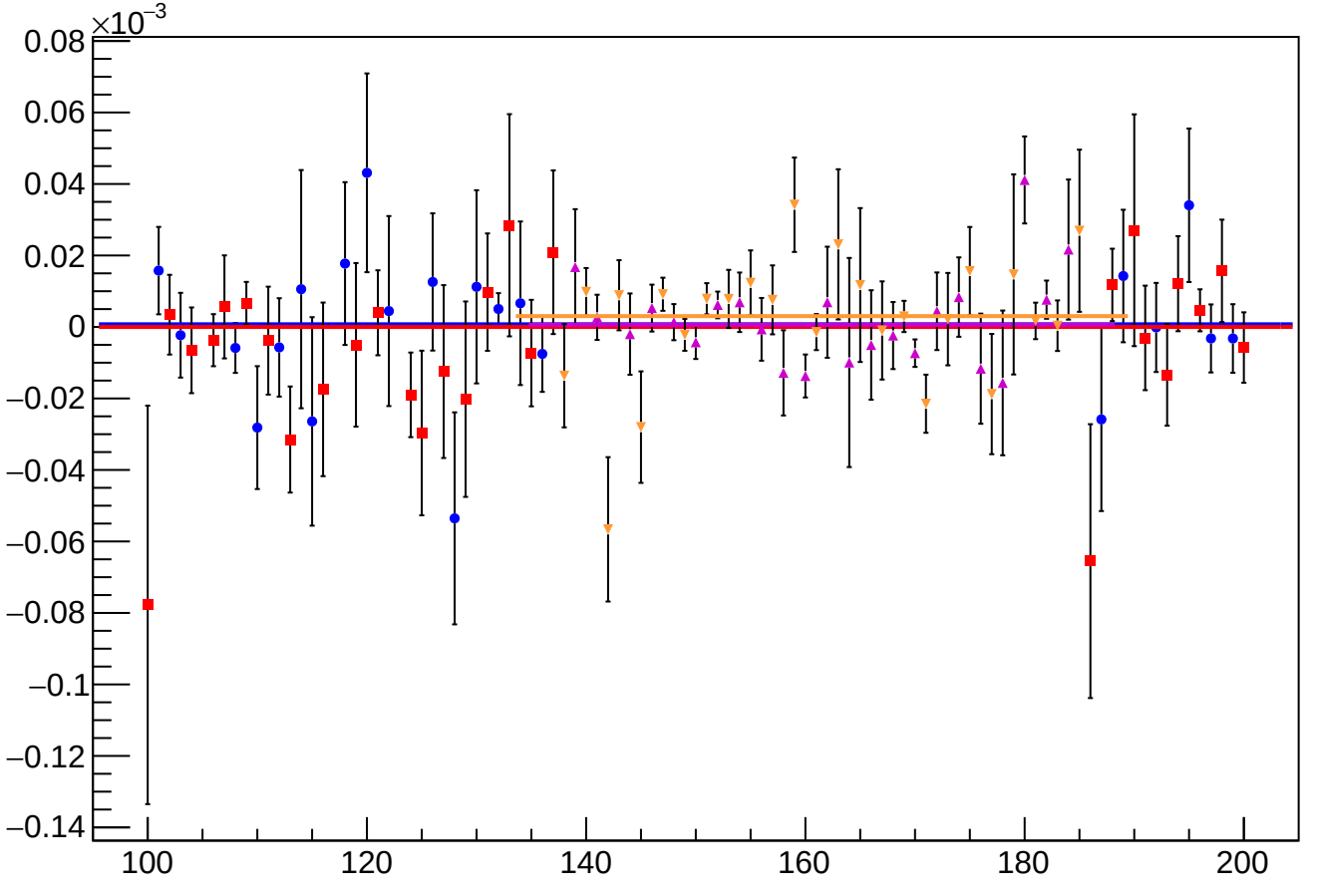
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

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

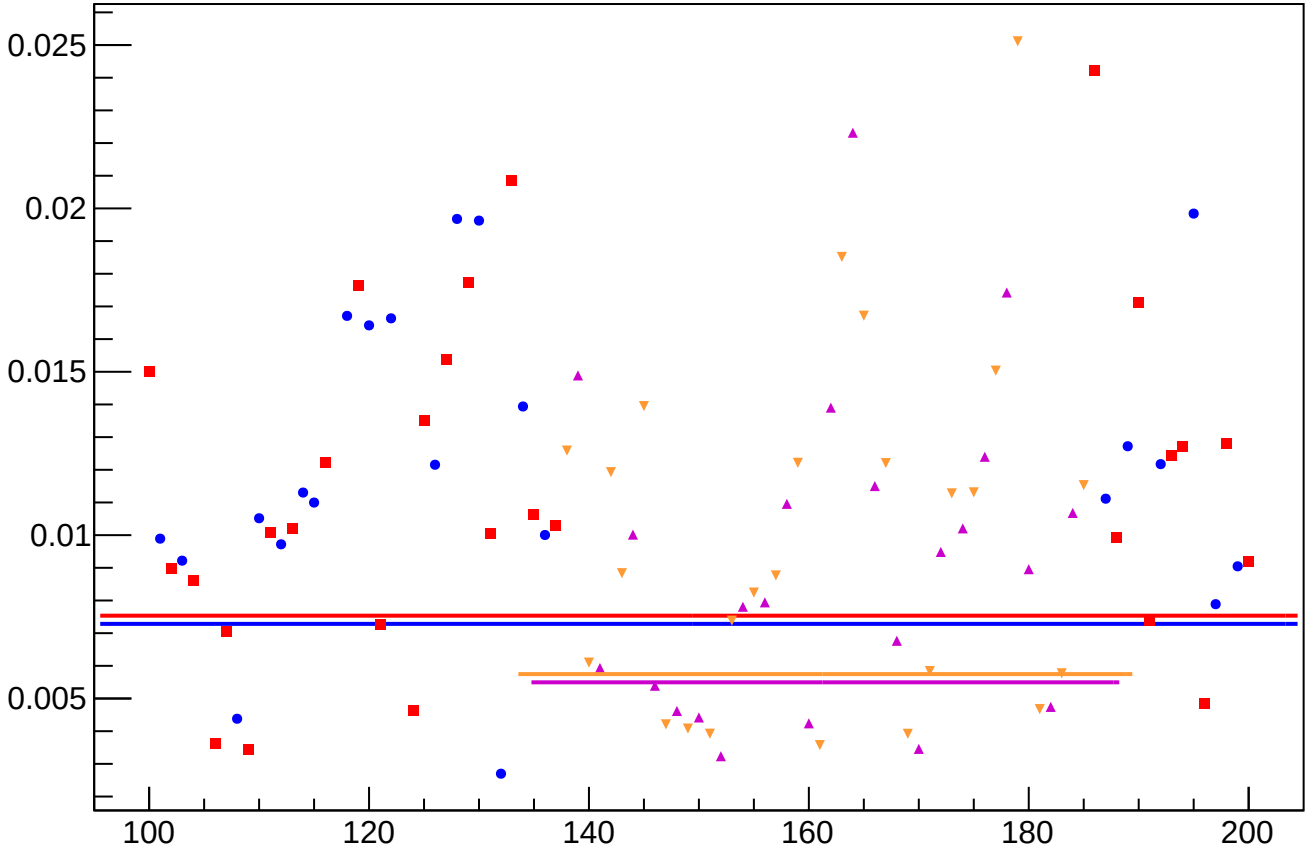
Right: 0.000+/-0.000 χ^2/NDF: 44.7/49

In: 0.000+/-0.000 χ^2/NDF:52.4/44

Out: 0.000+/-0.000 χ^2/NDF:68.9/52

All: 0.000+/-0.000 χ^2/NDF: 122.0/97

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: 6117465.6/21

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

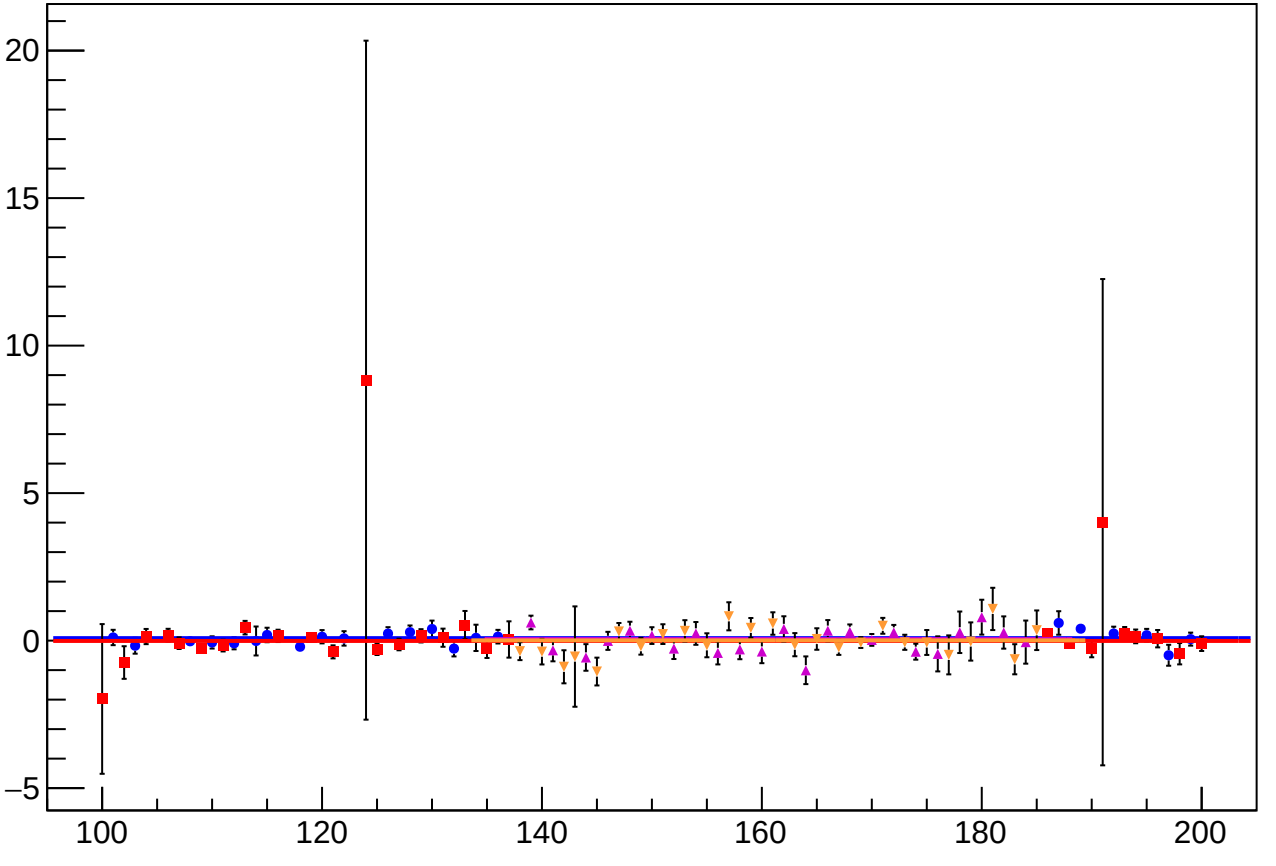
Right: 0.007+/-0.000 χ^2/NDF: 11563174.2/49

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

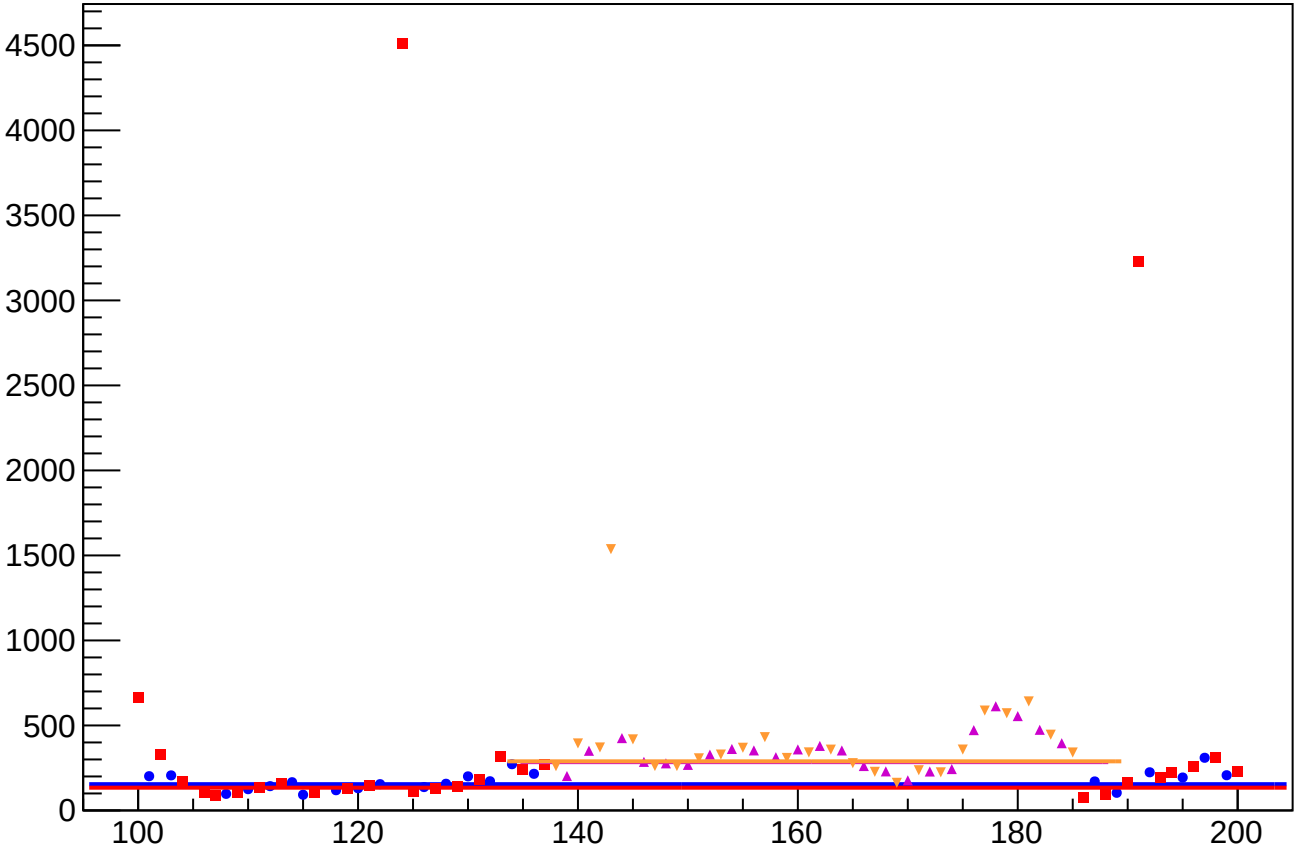
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

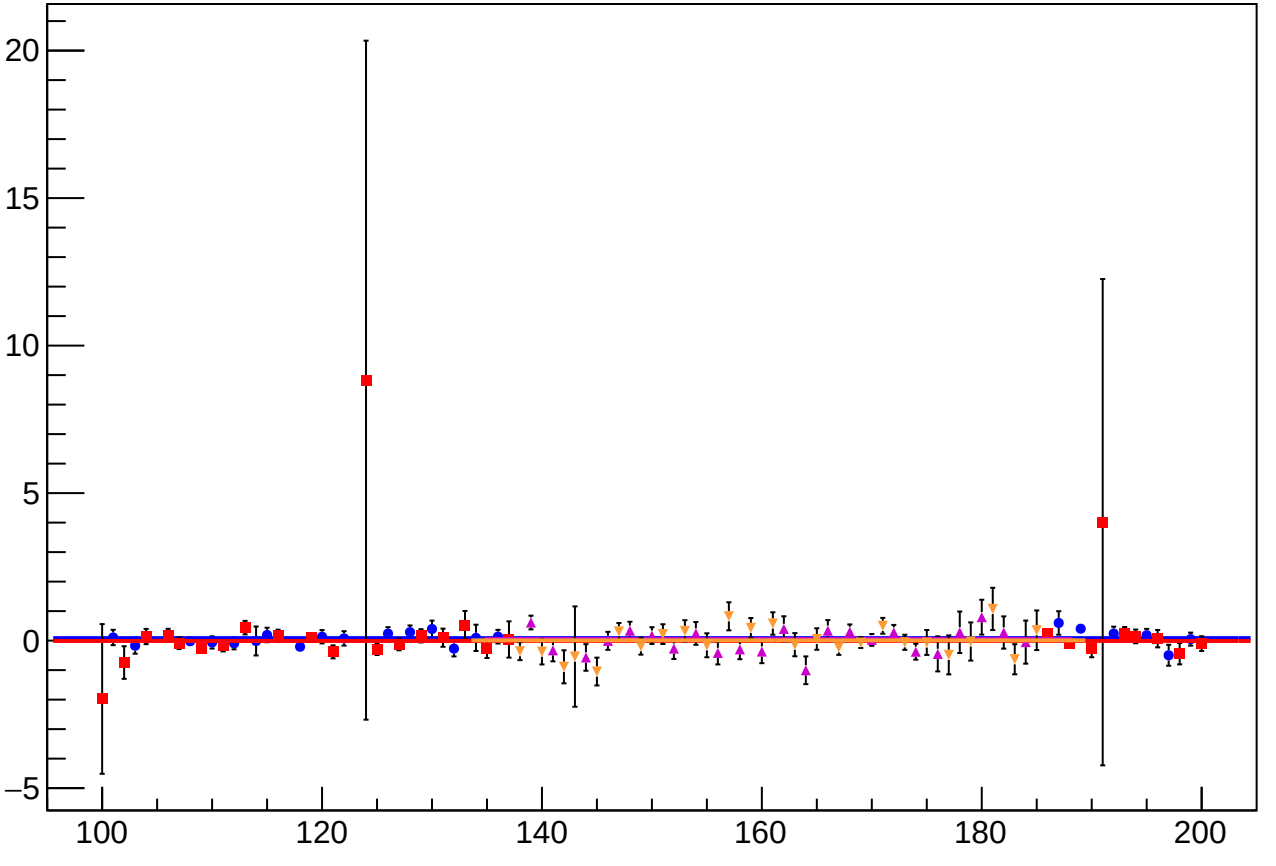
Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

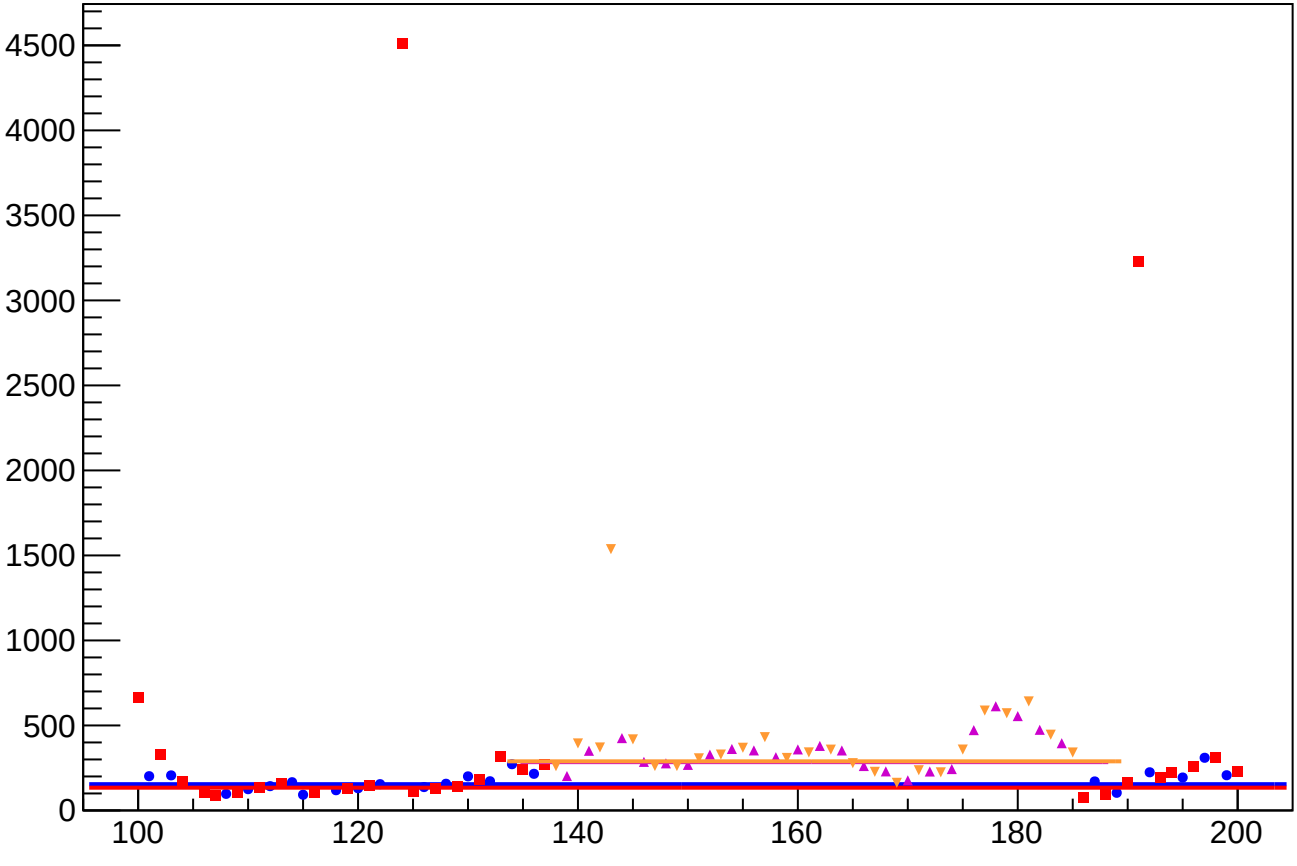
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

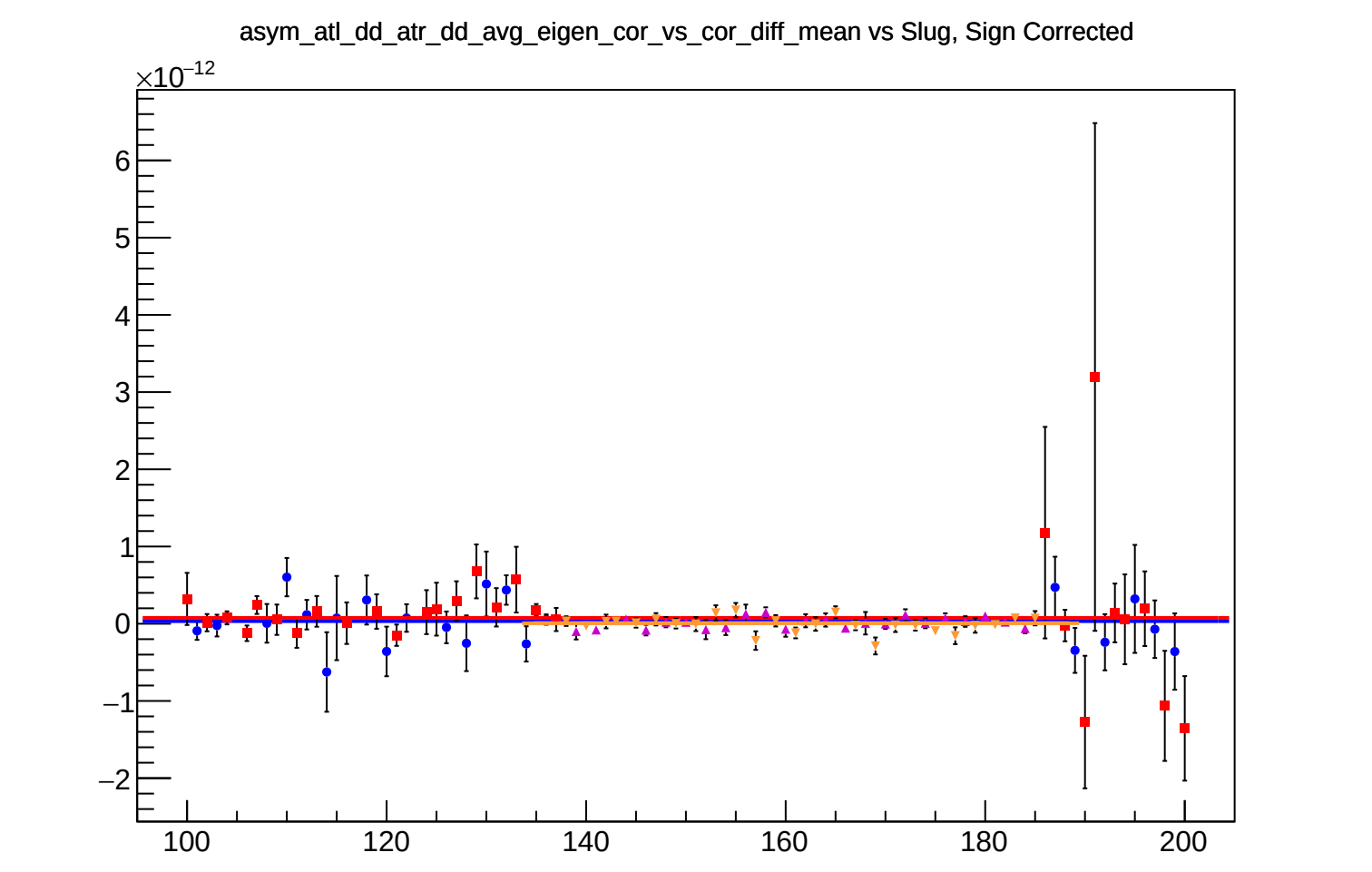
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

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

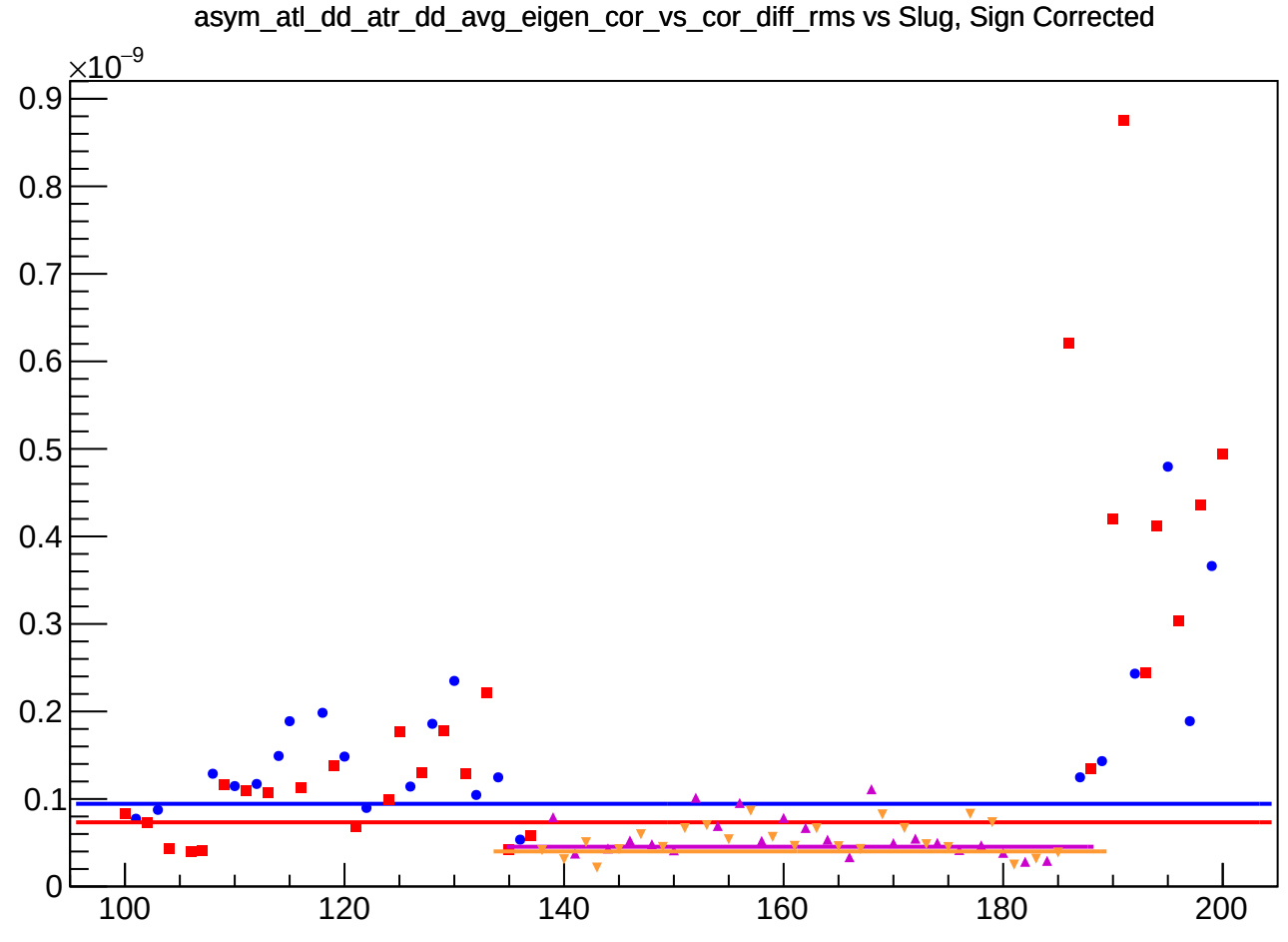
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/49

In: 0.000+/-0.000 χ^2/NDF:46.8/44

Out: 0.000+/-0.000 χ^2/NDF:67.7/52

All: 0.000+/-0.000 χ^2/NDF: 114.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

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

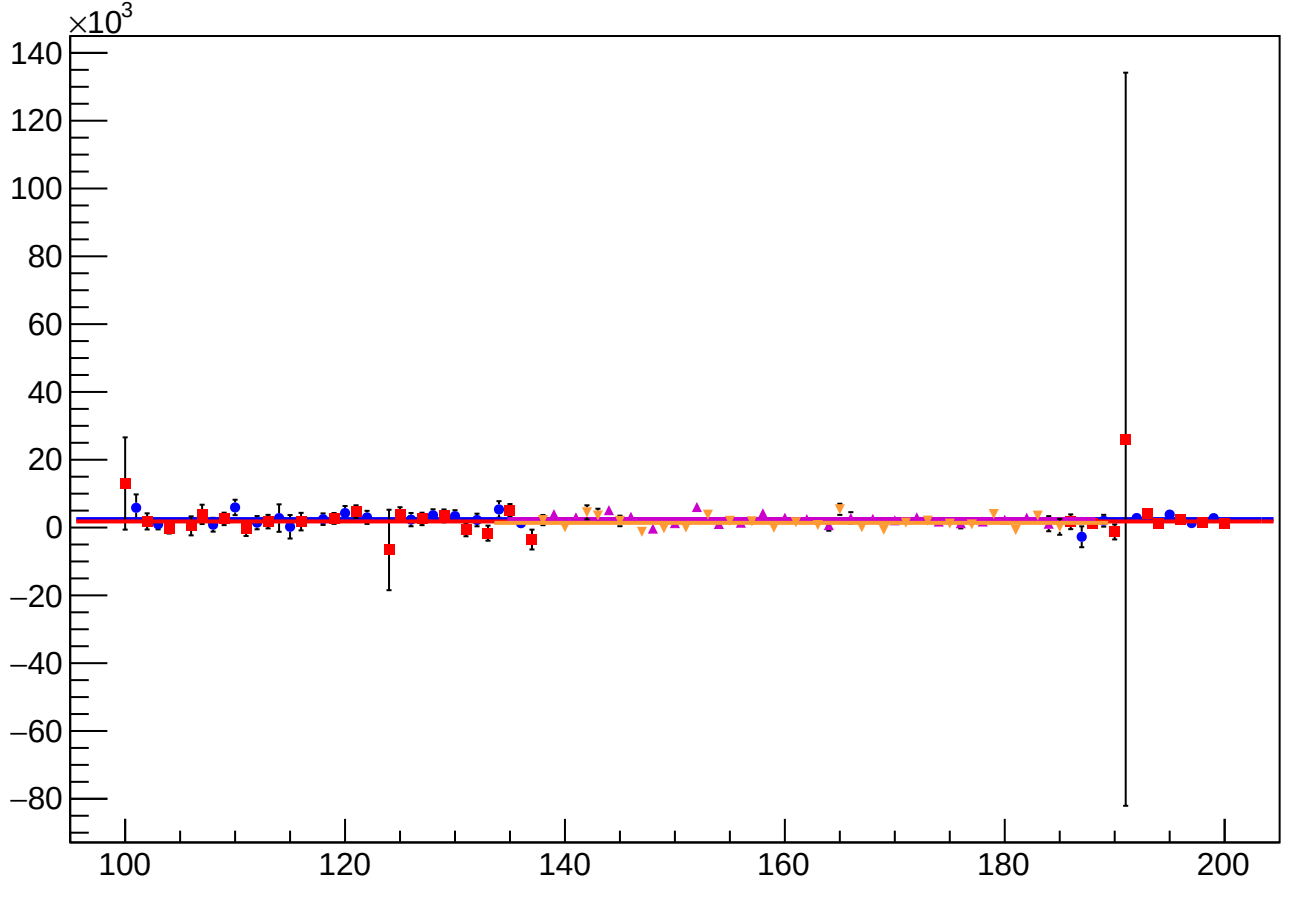
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9732436.4/49

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20356951.0/97



Right In: 2499.366+/-389.079 χ^2/NDF: 13.7/21

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

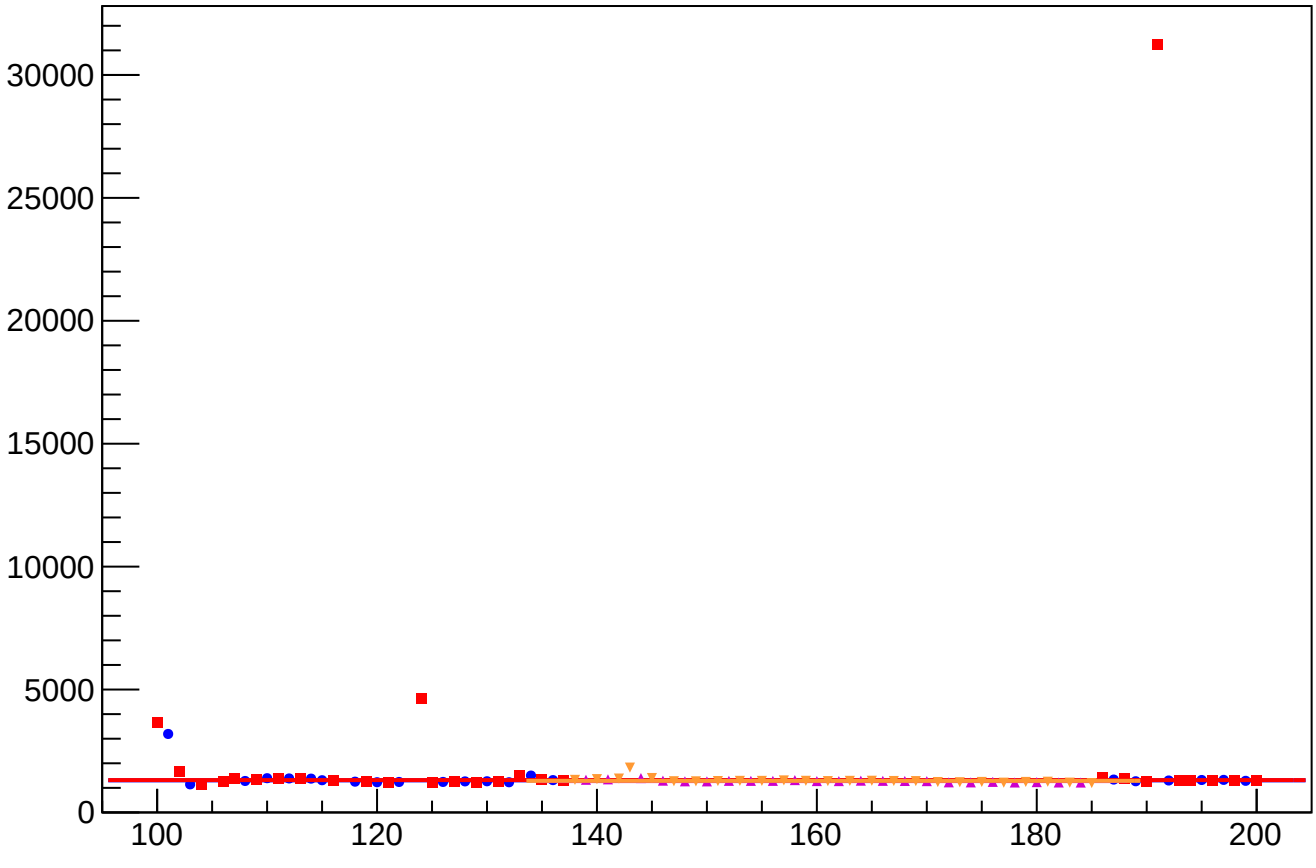
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2128.632+/-266.201 χ^2/NDF: 40.3/49

In: 2511.968+/-236.629 χ^2/NDF:36.1/44

Out: 1547.334+/-228.384 χ^2/NDF:58.6/52

All: 2012.553+/-164.329 χ^2/NDF: 103.3/97



Right In: 1305.757+/-0.275 χ^2/NDF: 518385.7/21

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

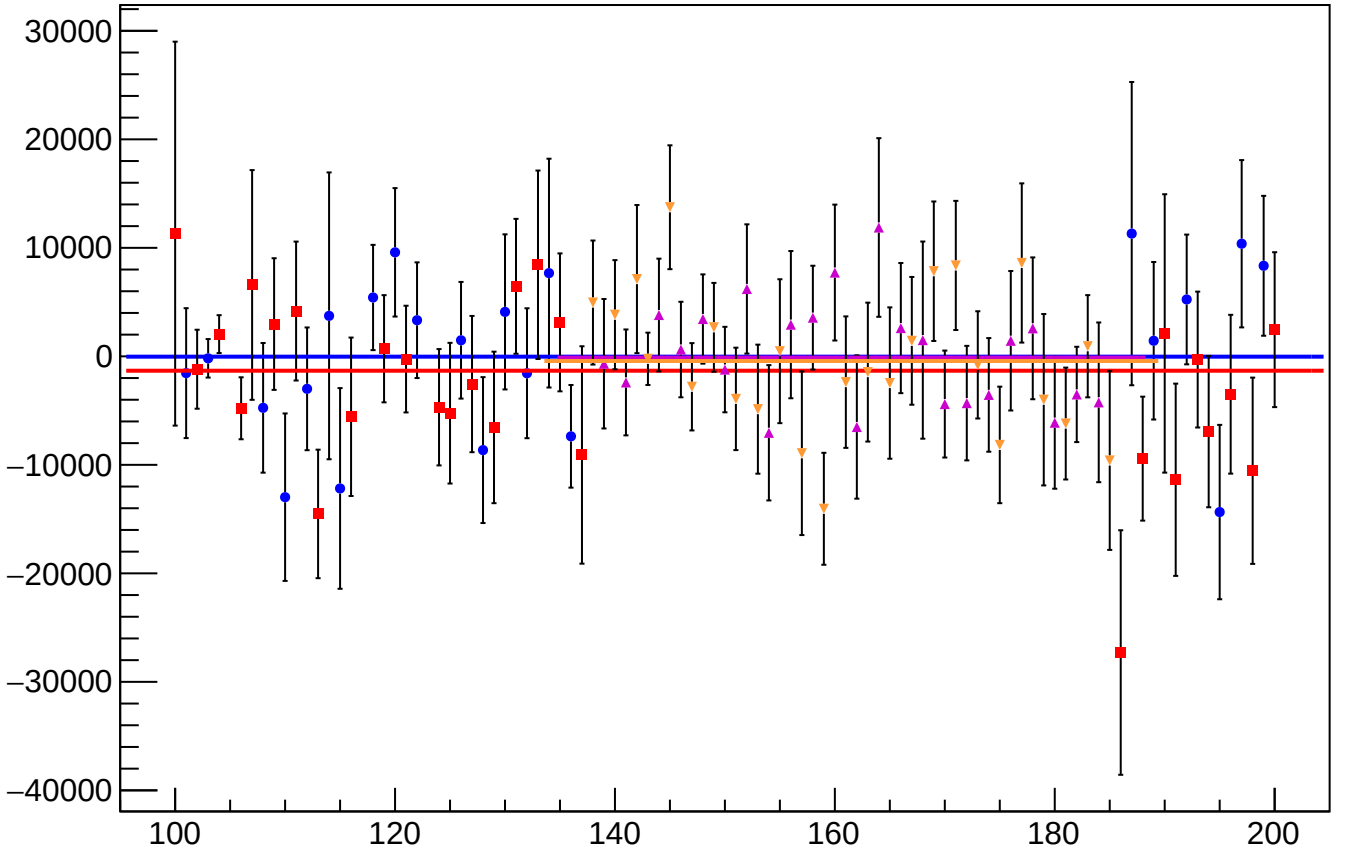
Right: 1311.772+/-0.188 χ^2/NDF: 1008136.9/49

In: 1286.969+/-0.167 χ^2/NDF:567185.9/44

Out: 1297.965+/-0.161 χ^2/NDF:688904.4/52

All: 1292.665+/-0.116 χ^2/NDF: 1258327.4/97

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -29.422+/-1110.264 χ^2/NDF: 23.1/21

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

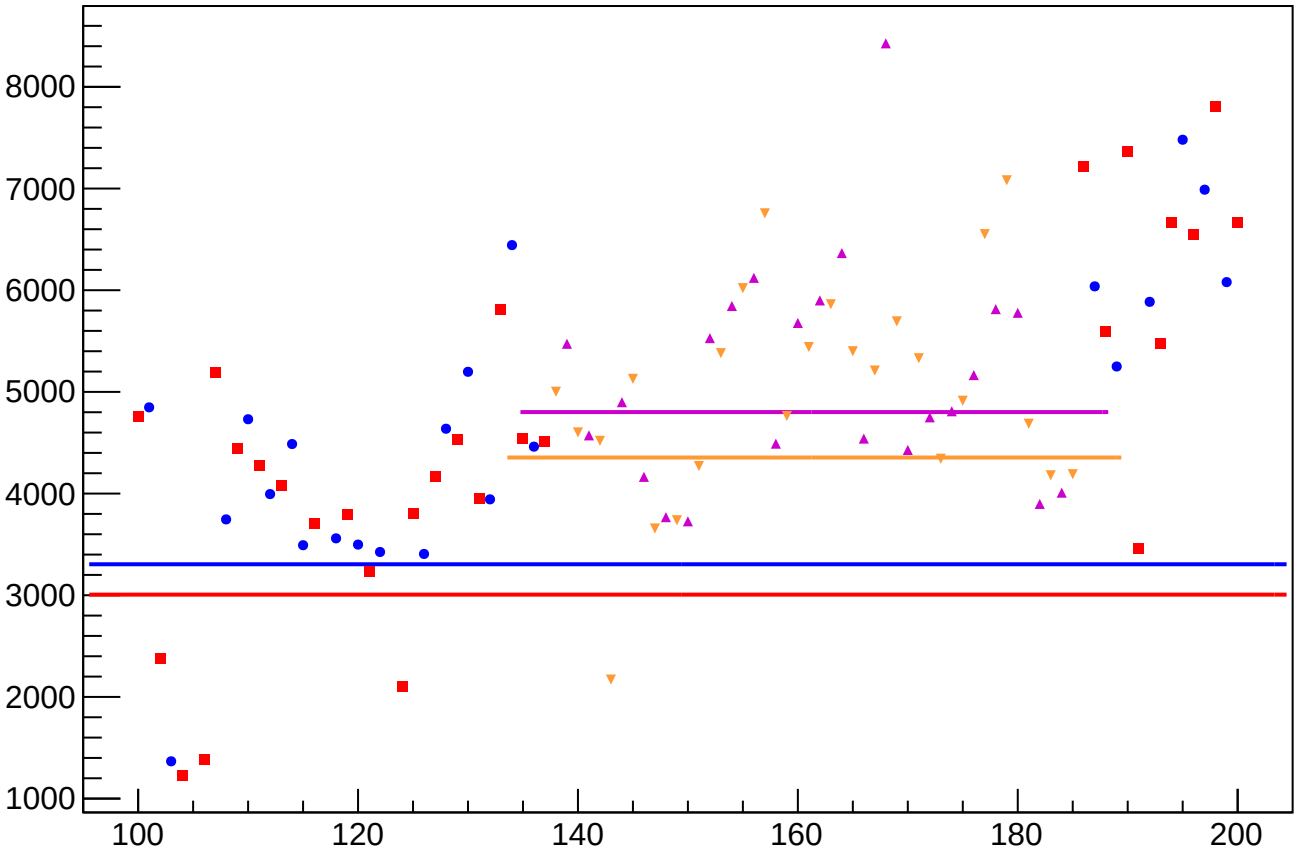
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -761.161+/-732.405 χ^2/NDF: 53.1/49

In: -73.006+/-796.970 χ^2/NDF:36.7/44

Out: -904.982+/-710.483 χ^2/NDF:59.4/52

All: -536.570+/-530.338 χ^2/NDF: 96.7/97



Right In: 3304.736+/-0.785 χ^2/NDF: 5150247.3/21

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

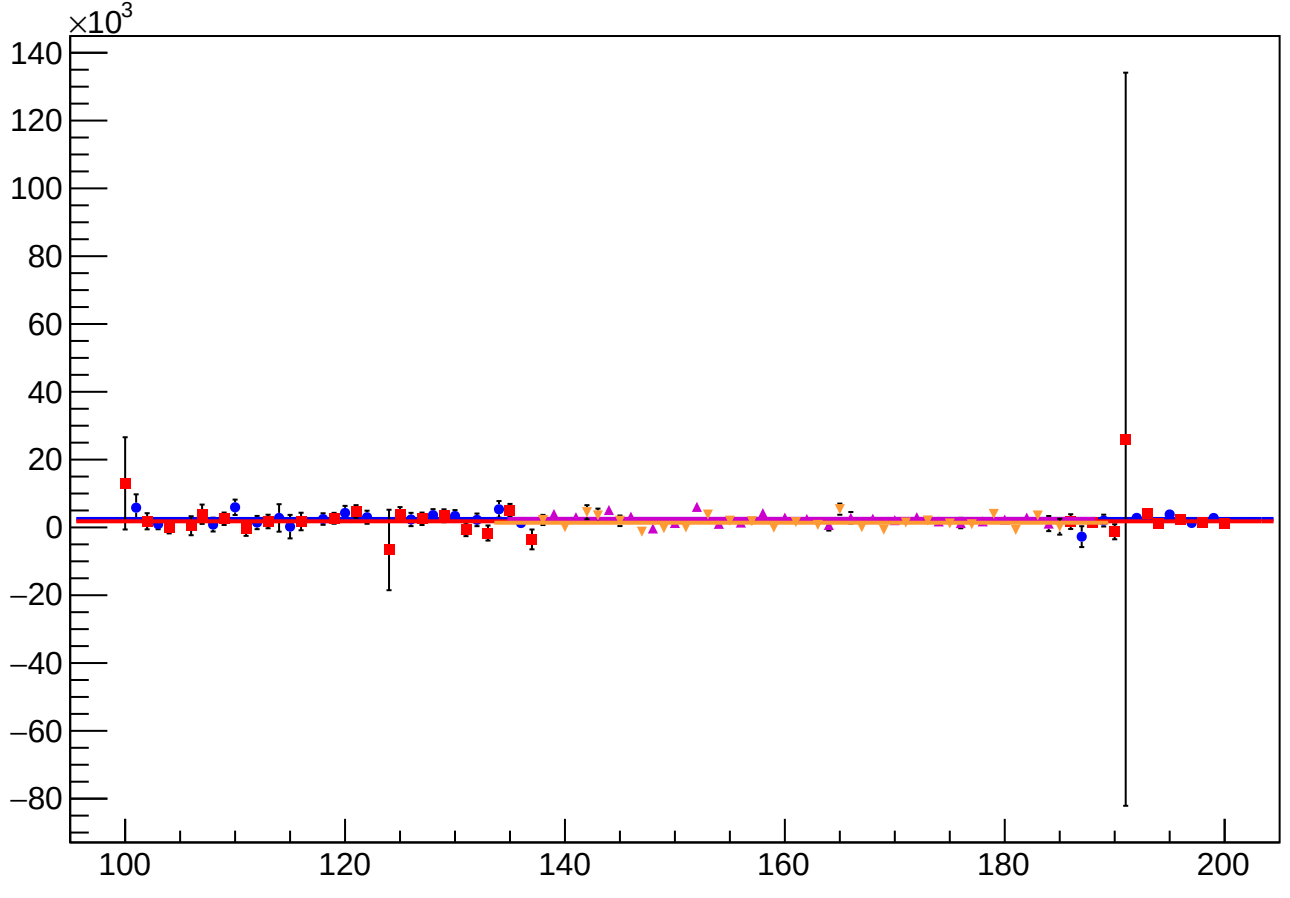
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3136.030+/-0.518 χ^2/NDF: 12521930.3/49

In: 4030.304+/-0.564 χ^2/NDF:8144229.7/44

Out: 3637.772+/-0.502 χ^2/NDF:12155334.3/52

All: 3811.591+/-0.375 χ^2/NDF: 20569895.7/9



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

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

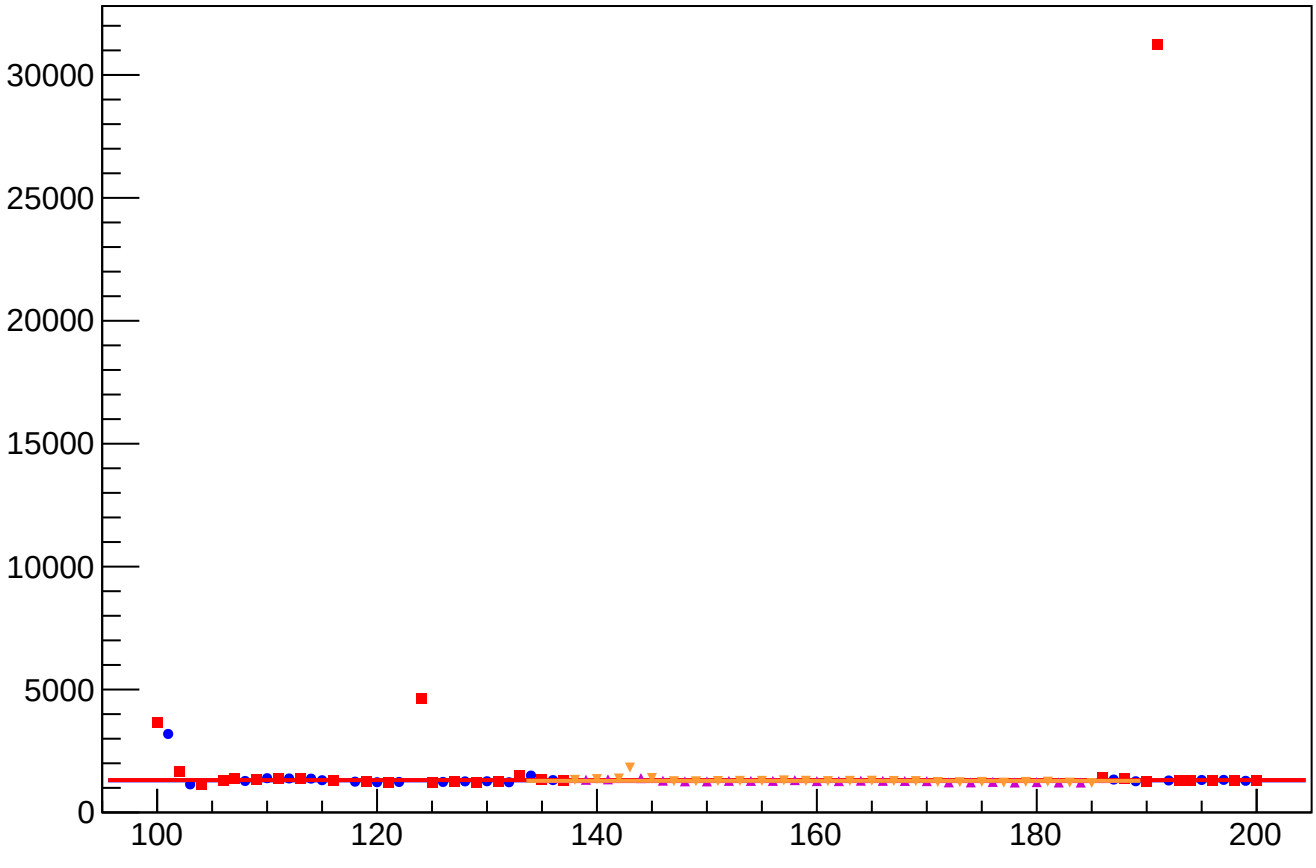
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2128.503+/-266.201 χ^2/NDF: 40.3/49

In: 2511.921+/-236.629 χ^2/NDF:36.1/44

Out: 1547.243+/-228.384 χ^2/NDF:58.6/52

All: 2012.484+/-164.329 χ^2/NDF: 103.3/97



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

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

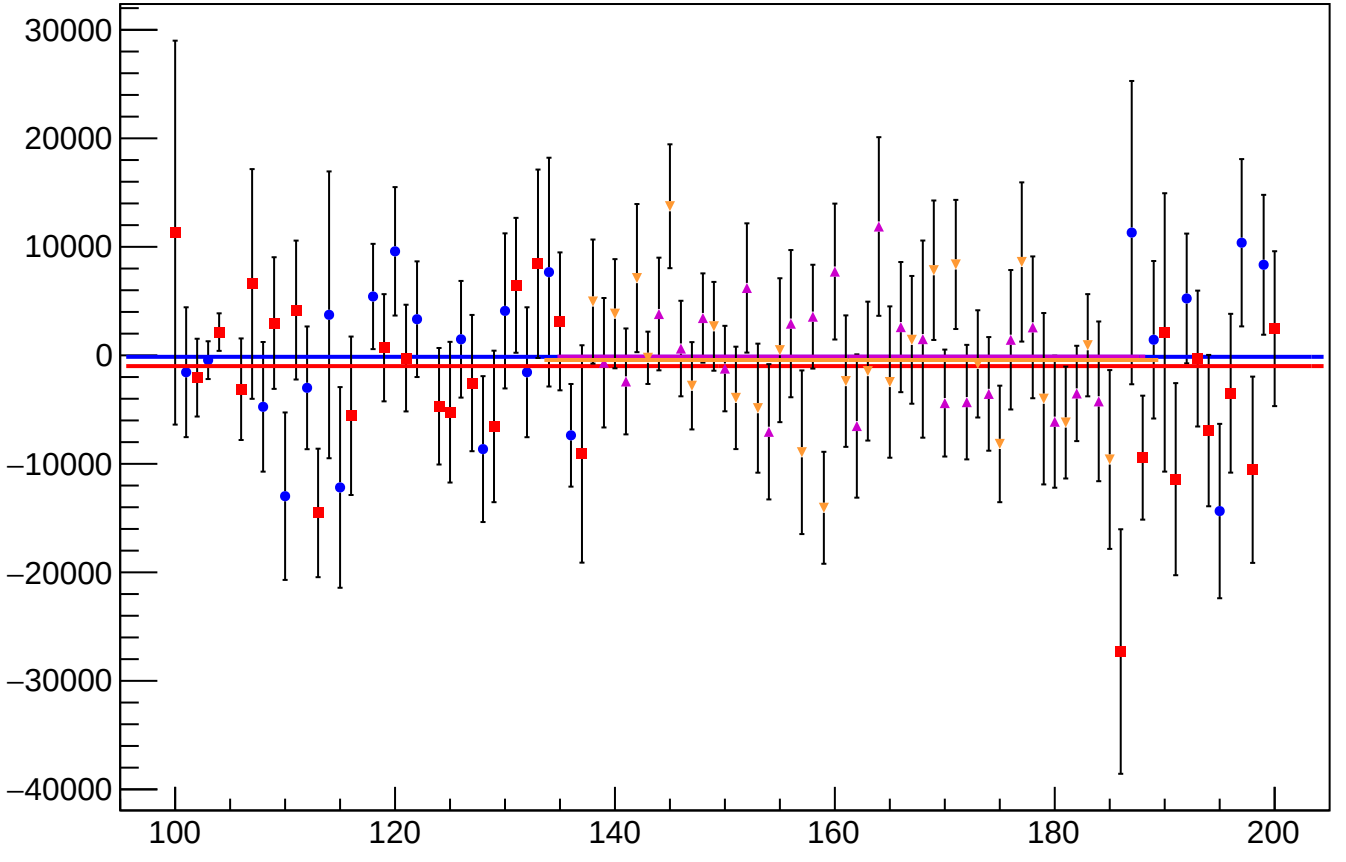
Right: 1312.098+/-0.188 χ^2/NDF: 1007730.7/49

In: 1286.969+/-0.167 χ^2/NDF:567187.3/44

Out: 1298.200+/-0.161 χ^2/NDF:688749.4/52

All: 1292.786+/-0.116 χ^2/NDF: 1258270.1/97

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

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

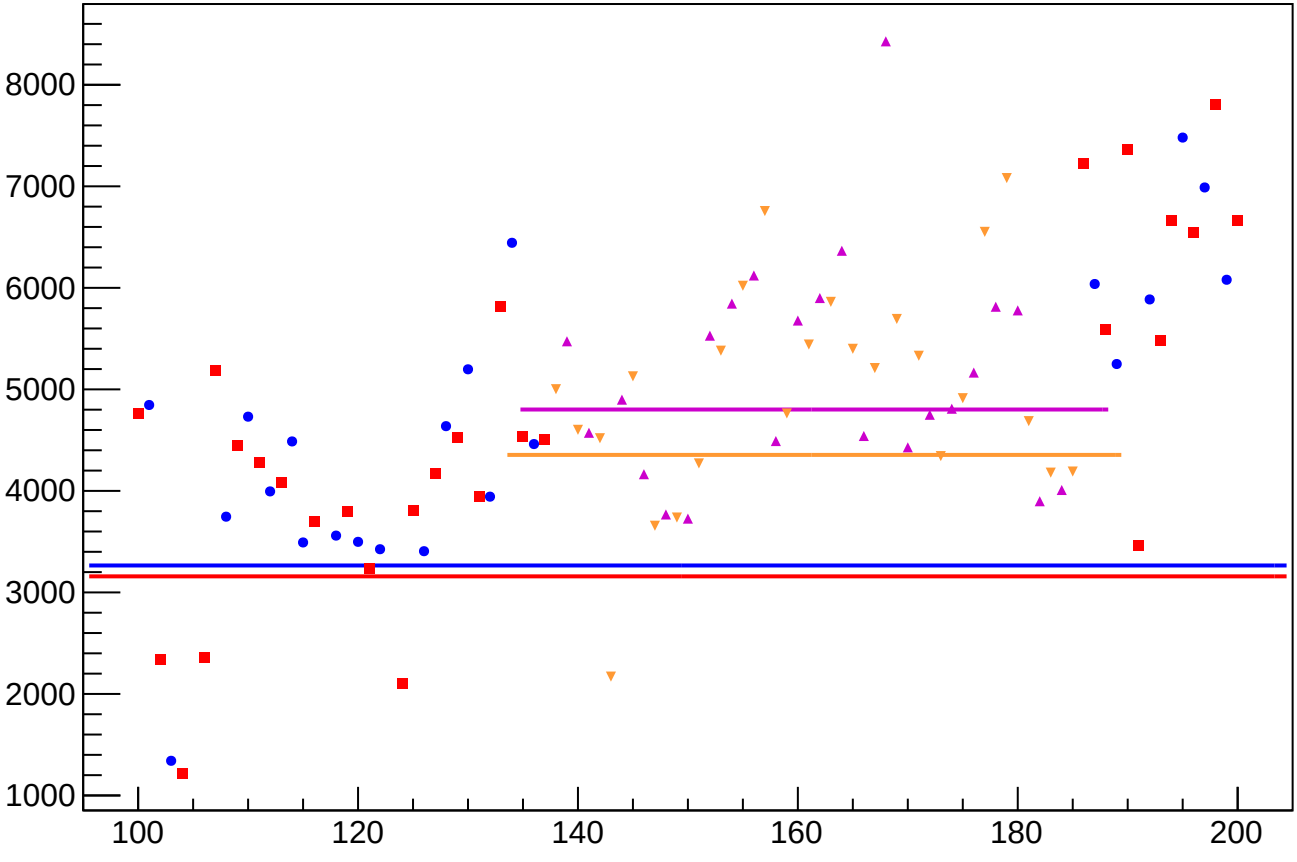
Right: -602.318+/-743.679 χ^2/NDF: 51.6/49

In: -128.112+/-793.837 χ^2/NDF:36.8/44

Out: -718.704+/-723.102 χ^2/NDF:58.1/52

All: -450.888+/-534.572 χ^2/NDF: 95.1/97

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

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

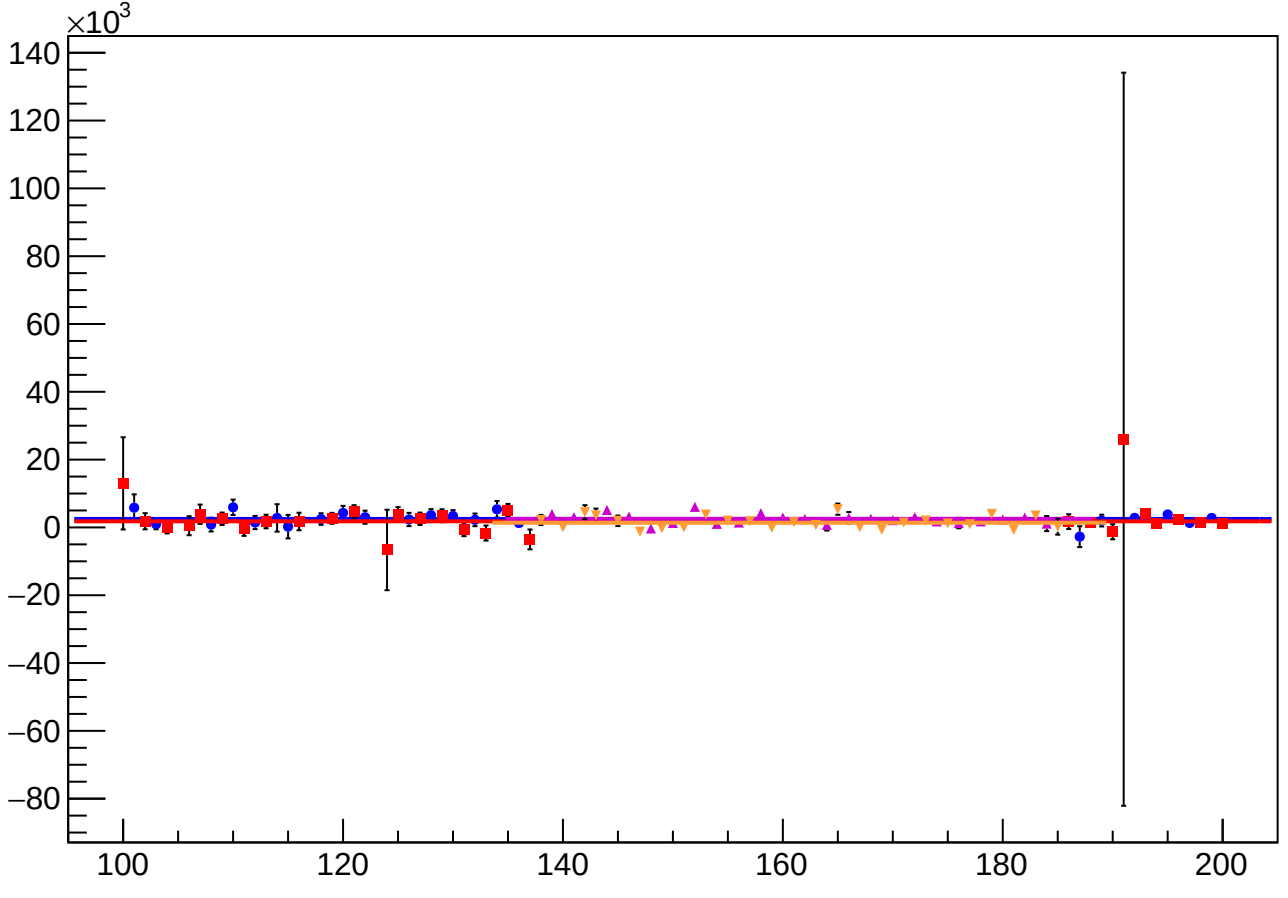
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3207.024+/-0.526 χ^2/NDF: 12031573.6/49

In: 4004.166+/-0.561 χ^2/NDF:8407493.2/44

Out: 3738.732+/-0.511 χ^2/NDF:11154262.6/52

All: 3859.099+/-0.378 χ^2/NDF: 19683961.9/9



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

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

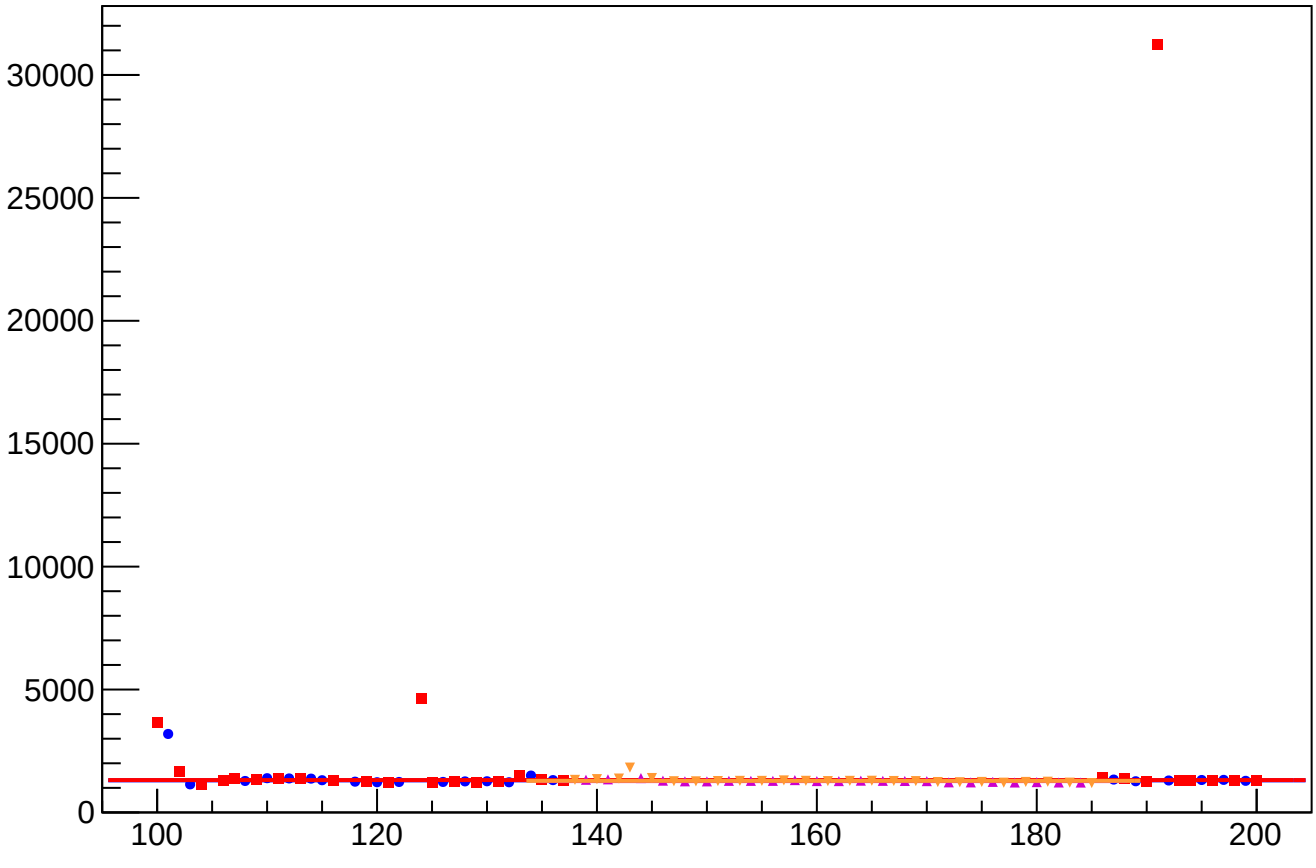
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2128.503+/-266.201 χ^2/NDF: 40.3/49

In: 2511.921+/-236.629 χ^2/NDF:36.1/44

Out: 1547.243+/-228.384 χ^2/NDF:58.6/52

All: 2012.484+/-164.329 χ^2/NDF: 103.3/97



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

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

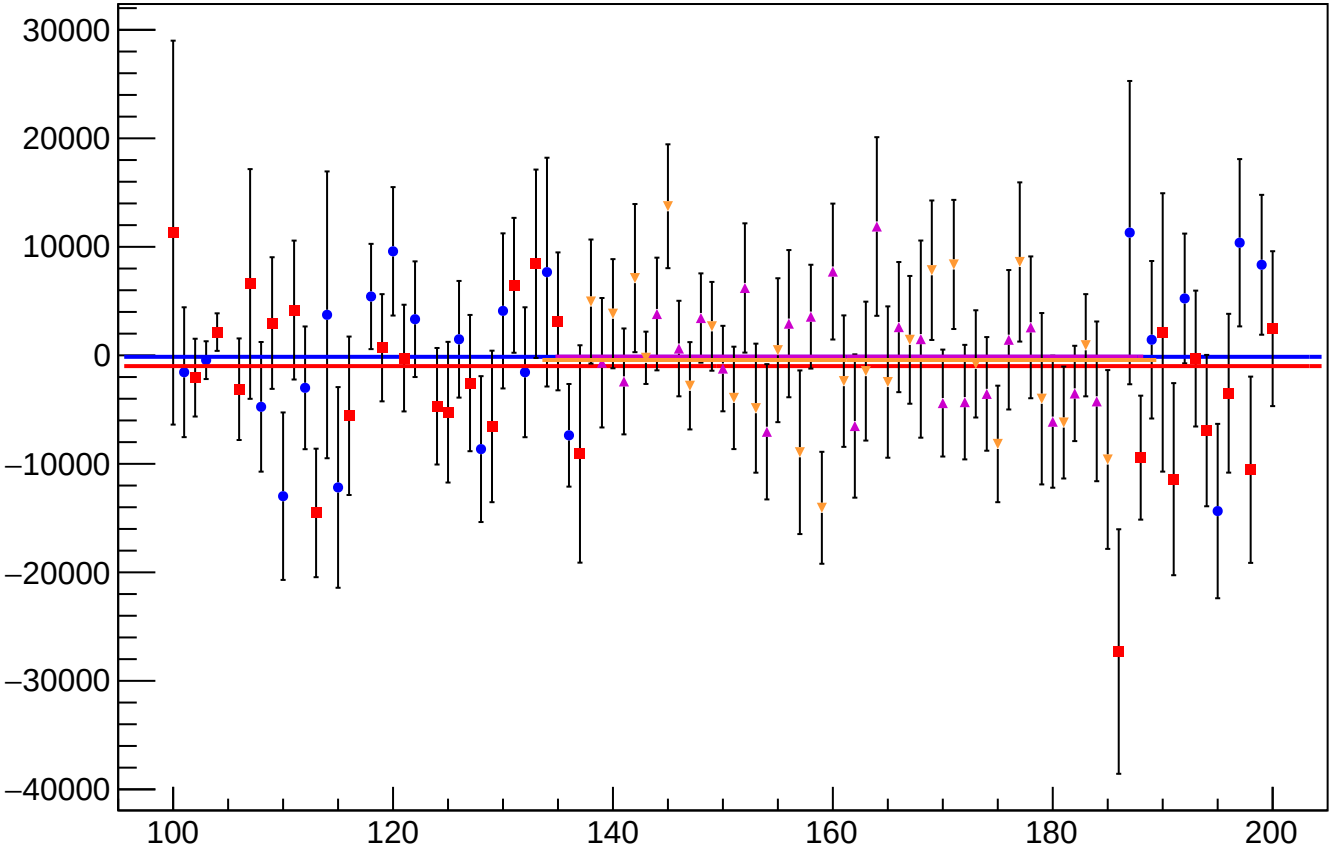
Right: 1312.098+/-0.188 χ^2/NDF: 1007730.7/49

In: 1286.969+/-0.167 χ^2/NDF:567187.3/44

Out: 1298.200+/-0.161 χ^2/NDF:688749.4/52

All: 1292.786+/-0.116 χ^2/NDF: 1258270.1/97

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

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

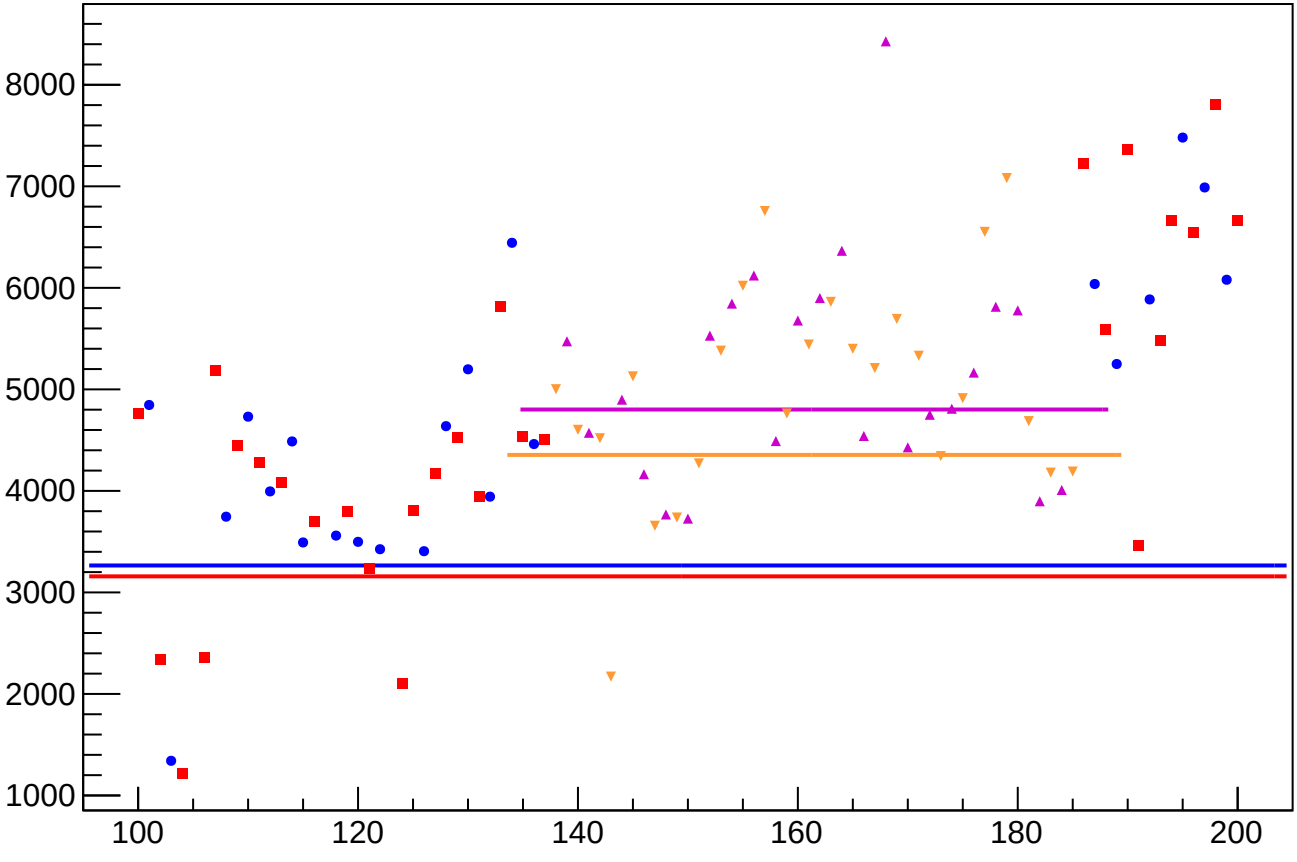
Right: -602.318+/-743.679 χ^2/NDF: 51.6/49

In: -128.112+/-793.837 χ^2/NDF:36.8/44

Out: -718.704+/-723.102 χ^2/NDF:58.1/52

All: -450.888+/-534.572 χ^2/NDF: 95.1/97

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

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

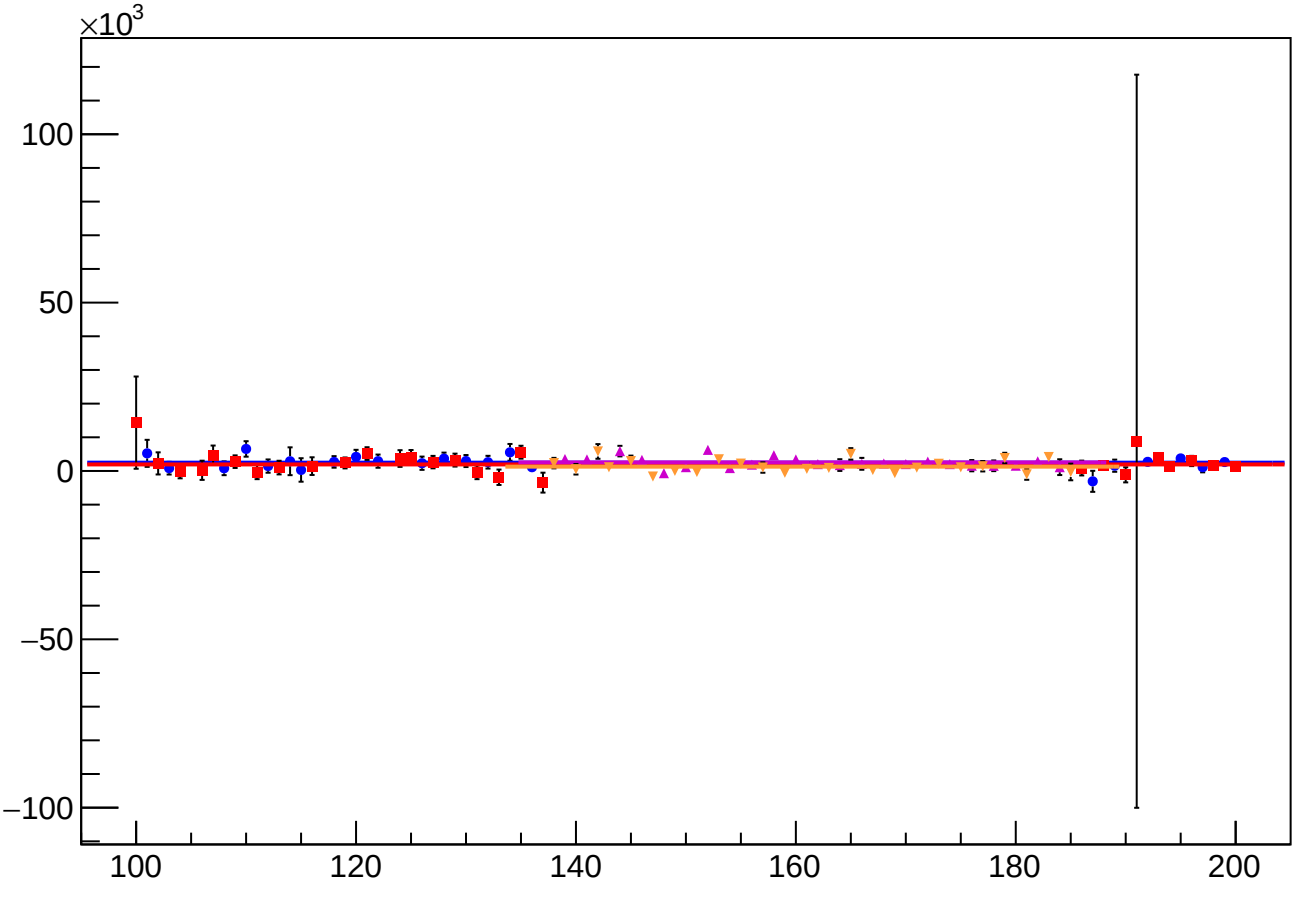
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3207.024+/-0.526 χ^2/NDF: 12031573.6/49

In: 4004.166+/-0.561 χ^2/NDF:8407493.2/44

Out: 3738.732+/-0.511 χ^2/NDF:11154262.6/52

All: 3859.099+/-0.378 χ^2/NDF: 19683961.9/9



Right In: 2466.979+/-401.387 χ^2/NDF: 14.4/21

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

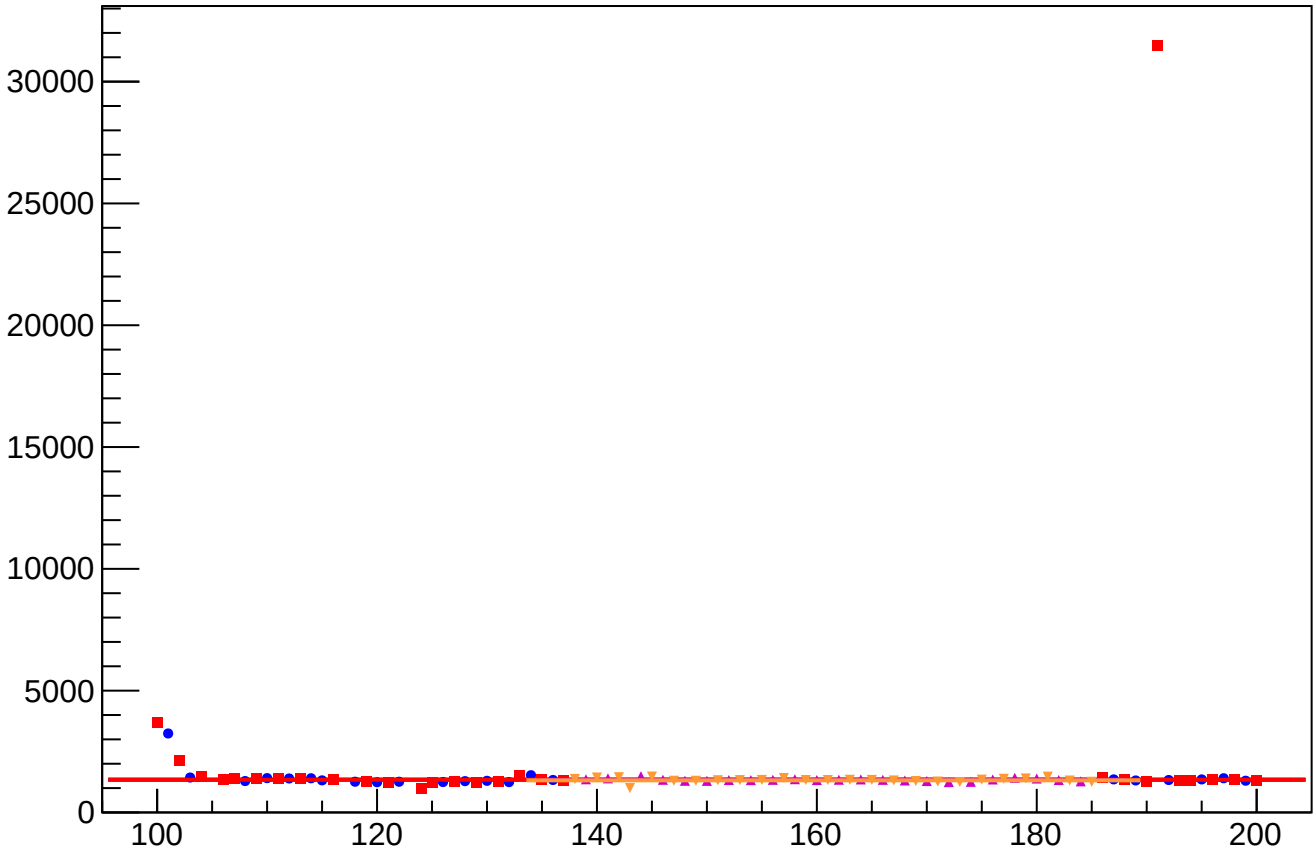
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2184.758+/-272.974 χ^2/NDF: 41.6/49

In: 2507.294+/-246.770 χ^2/NDF:39.4/44

Out: 1543.793+/-233.856 χ^2/NDF:61.5/52

All: 1999.674+/-169.743 χ^2/NDF: 109.0/97



Right In: 1347.134+/-0.284 χ^2/NDF: 500043.6/21

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

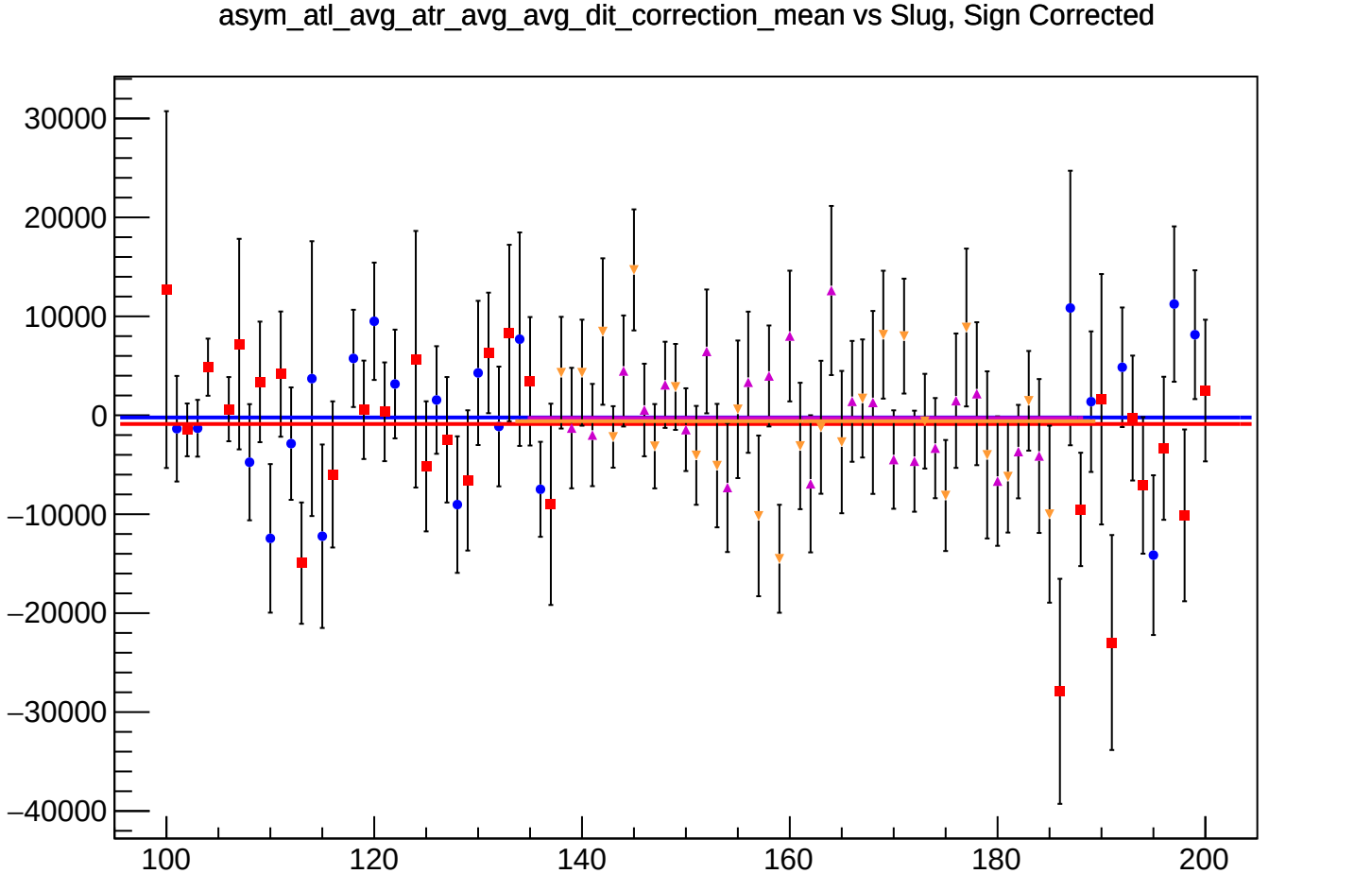
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1344.372+/-0.193 χ^2/NDF: 935225.3/49

In: 1341.827+/-0.174 χ^2/NDF:554854.1/44

Out: 1327.576+/-0.165 χ^2/NDF:688513.2/52

All: 1334.318+/-0.120 χ^2/NDF: 1246881.8/97



Right In: -221.705+/-1275.640 χ^2/NDF: 23.1/21

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -881.861+/-1089.499 χ^2/NDF: 31.7/27

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

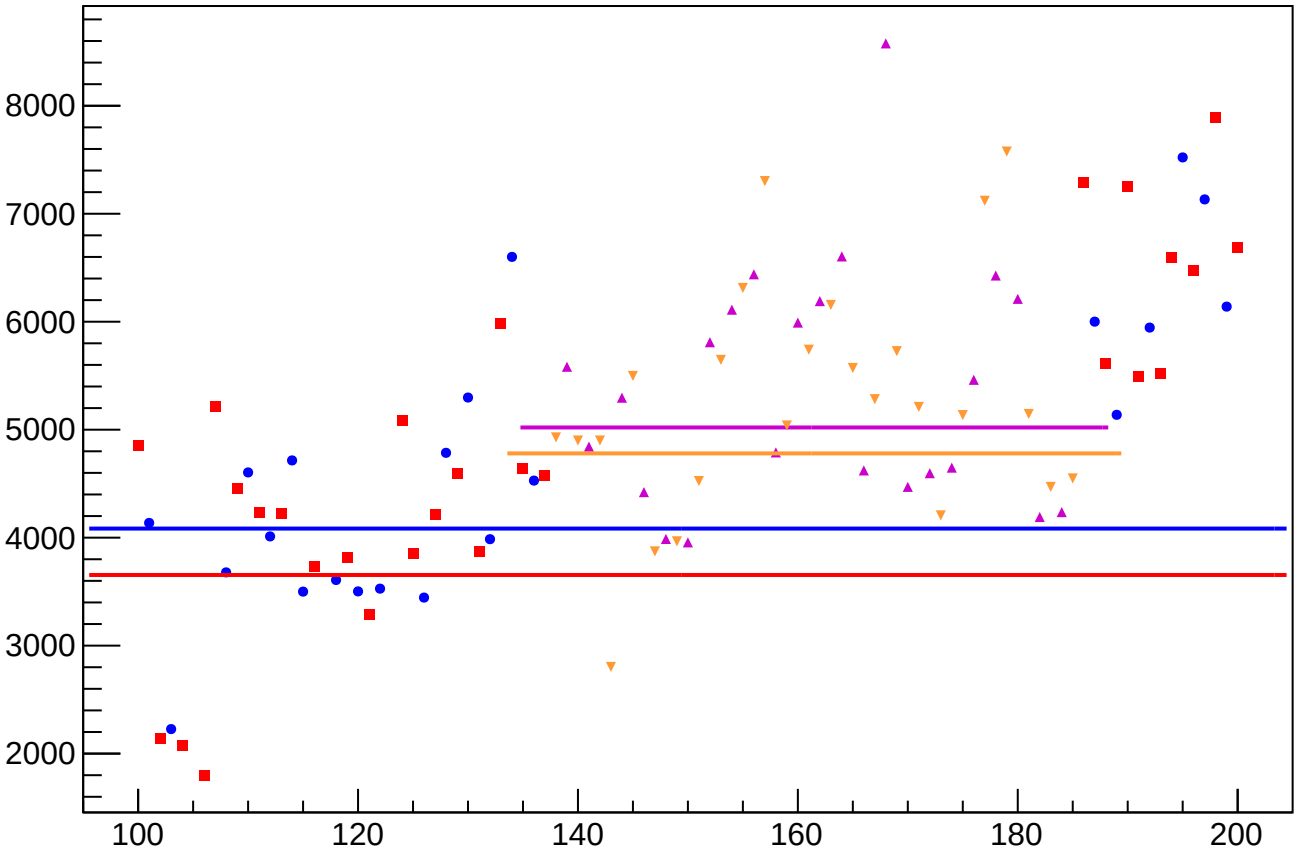
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -603.419+/-828.462 χ^2/NDF: 54.9/49

In: -248.941+/-872.809 χ^2/NDF:36.5/44

Out: -742.641+/-781.727 χ^2/NDF:61.2/52

All: -522.887+/-582.312 χ^2/NDF: 97.9/97



Right In: 4084.167+/-0.902 χ^2/NDF: 2293754.4/21

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

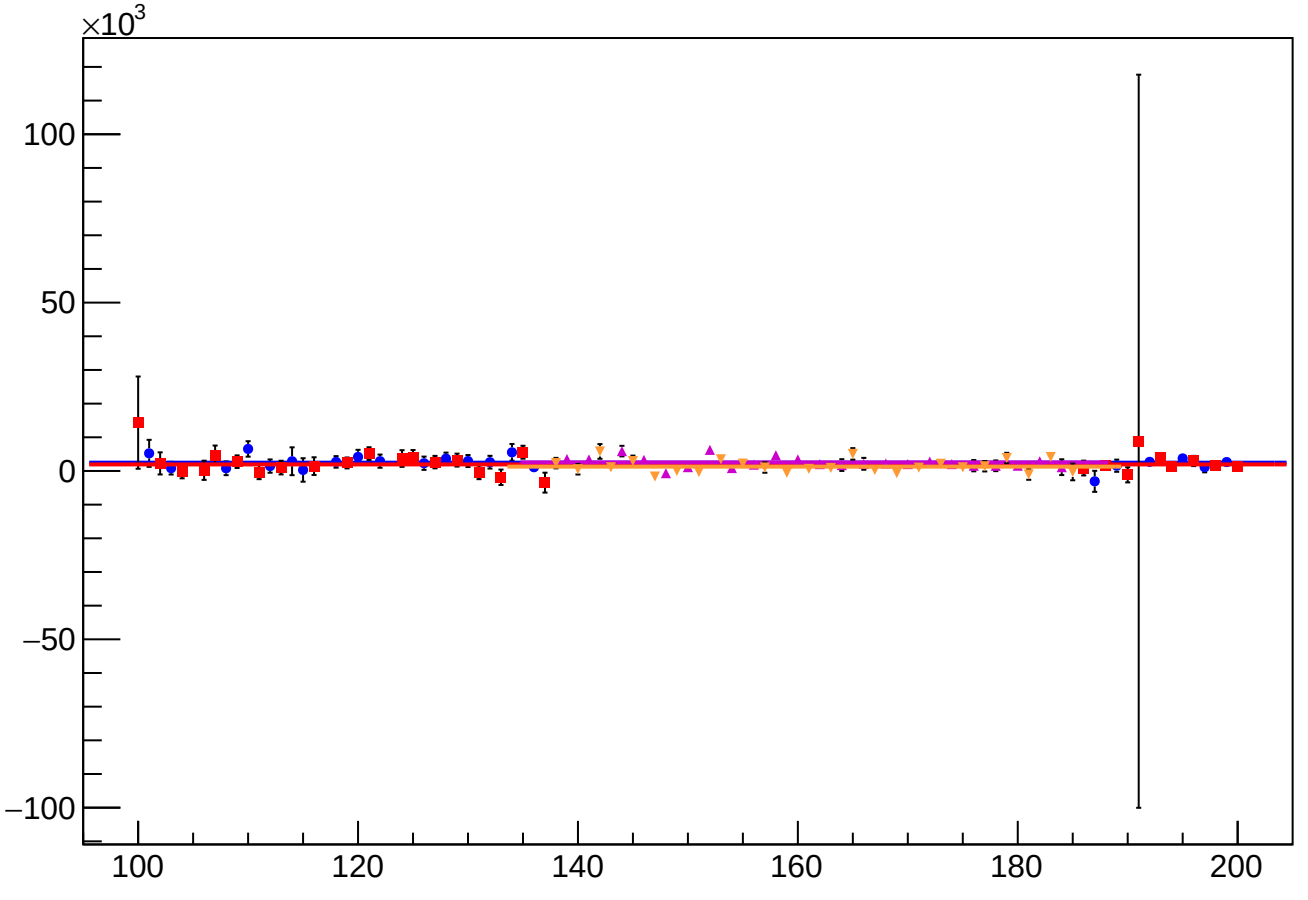
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3835.641+/-0.586 χ^2/NDF: 7070926.9/49

In: 4582.190+/-0.617 χ^2/NDF:4092014.5/44

Out: 4200.686+/-0.553 χ^2/NDF:7688674.3/52

All: 4370.500+/-0.412 χ^2/NDF: 11992716.8/9



Right In: 2466.977+/-401.387 χ^2/NDF: 14.4/21

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

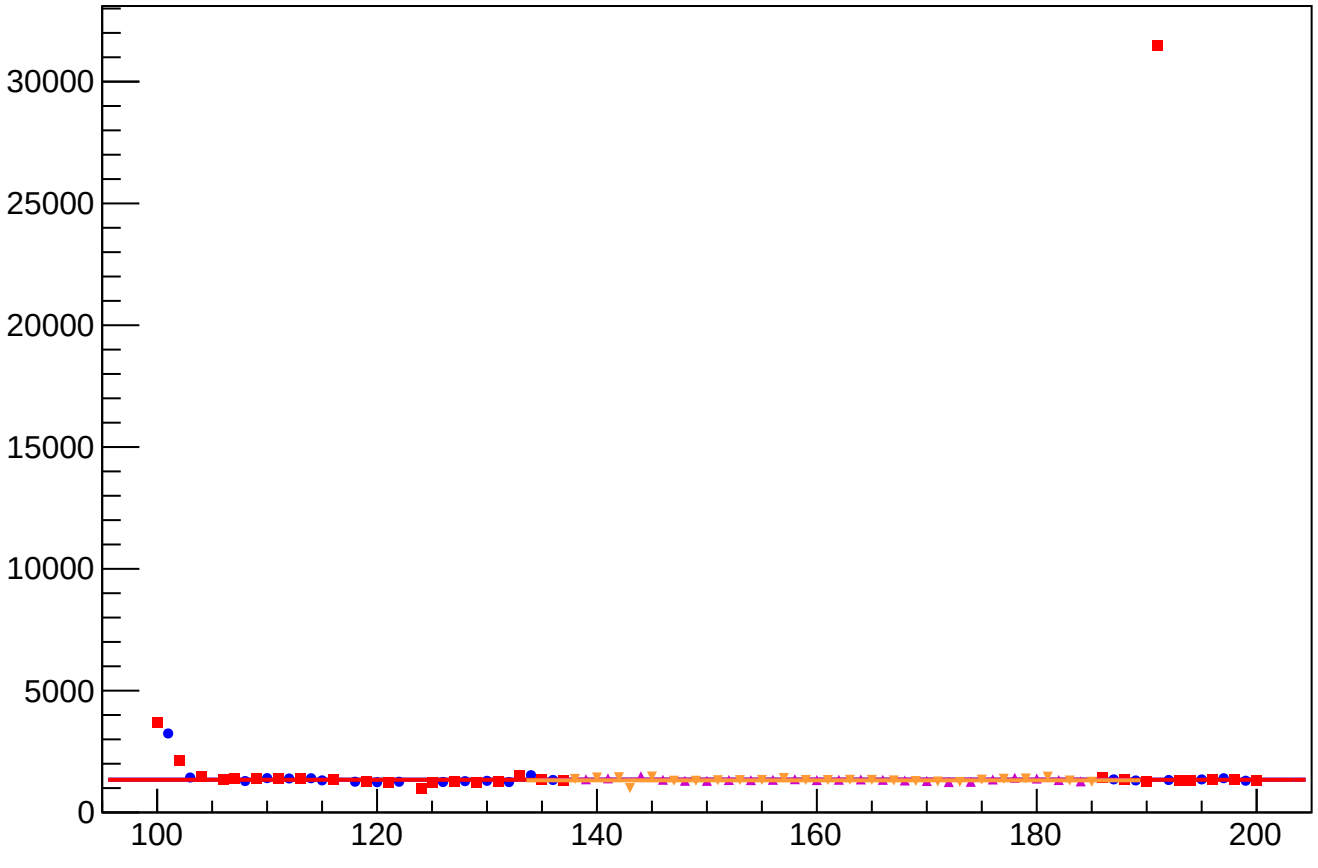
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2184.757+/-272.974 χ^2/NDF: 41.6/49

In: 2507.293+/-246.770 χ^2/NDF:39.4/44

Out: 1543.791+/-233.856 χ^2/NDF:61.5/52

All: 1999.673+/-169.743 χ^2/NDF: 109.0/97



Right In: 1347.133+/-0.284 χ^2/NDF: 500043.8/21

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

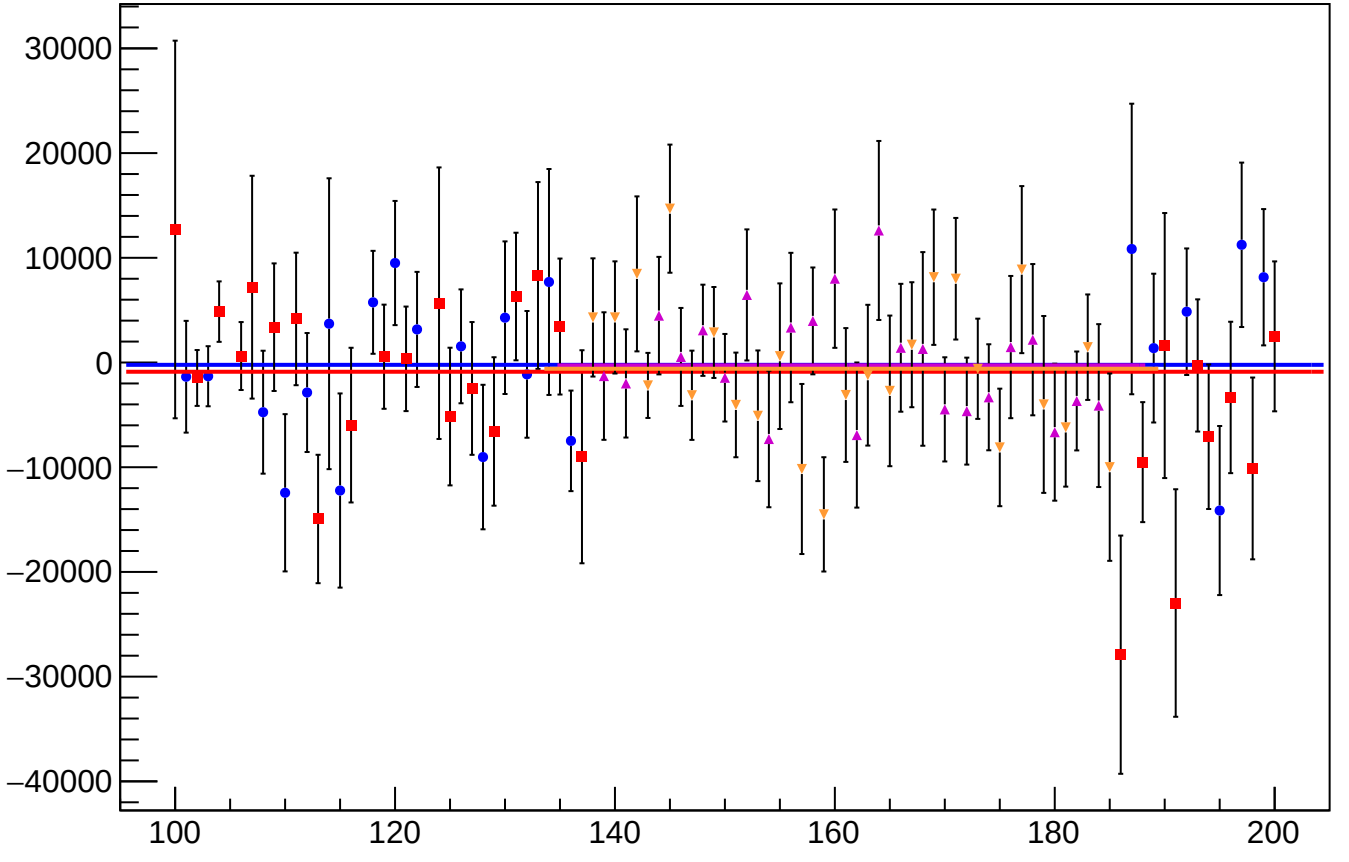
Right: 1344.372+/-0.193 χ^2/NDF: 935224.4/49

In: 1341.828+/-0.174 χ^2/NDF:554856.6/44

Out: 1327.577+/-0.165 χ^2/NDF:688514.1/52

All: 1334.319+/-0.120 χ^2/NDF: 1246885.1/97

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.701+/-1275.638 χ^2/NDF: 23.1/21

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -881.854+/-1089.497 χ^2/NDF: 31.7/27

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

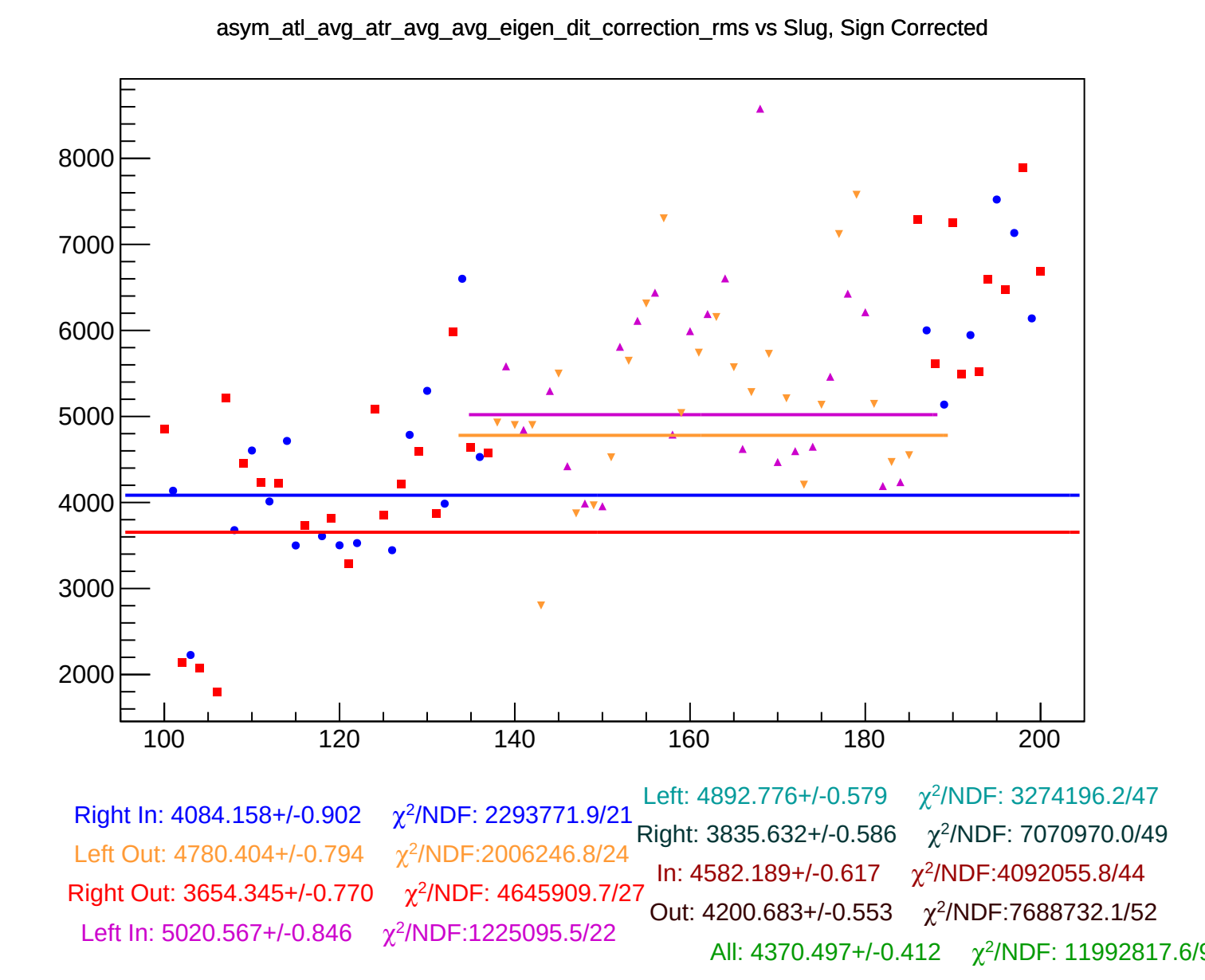
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

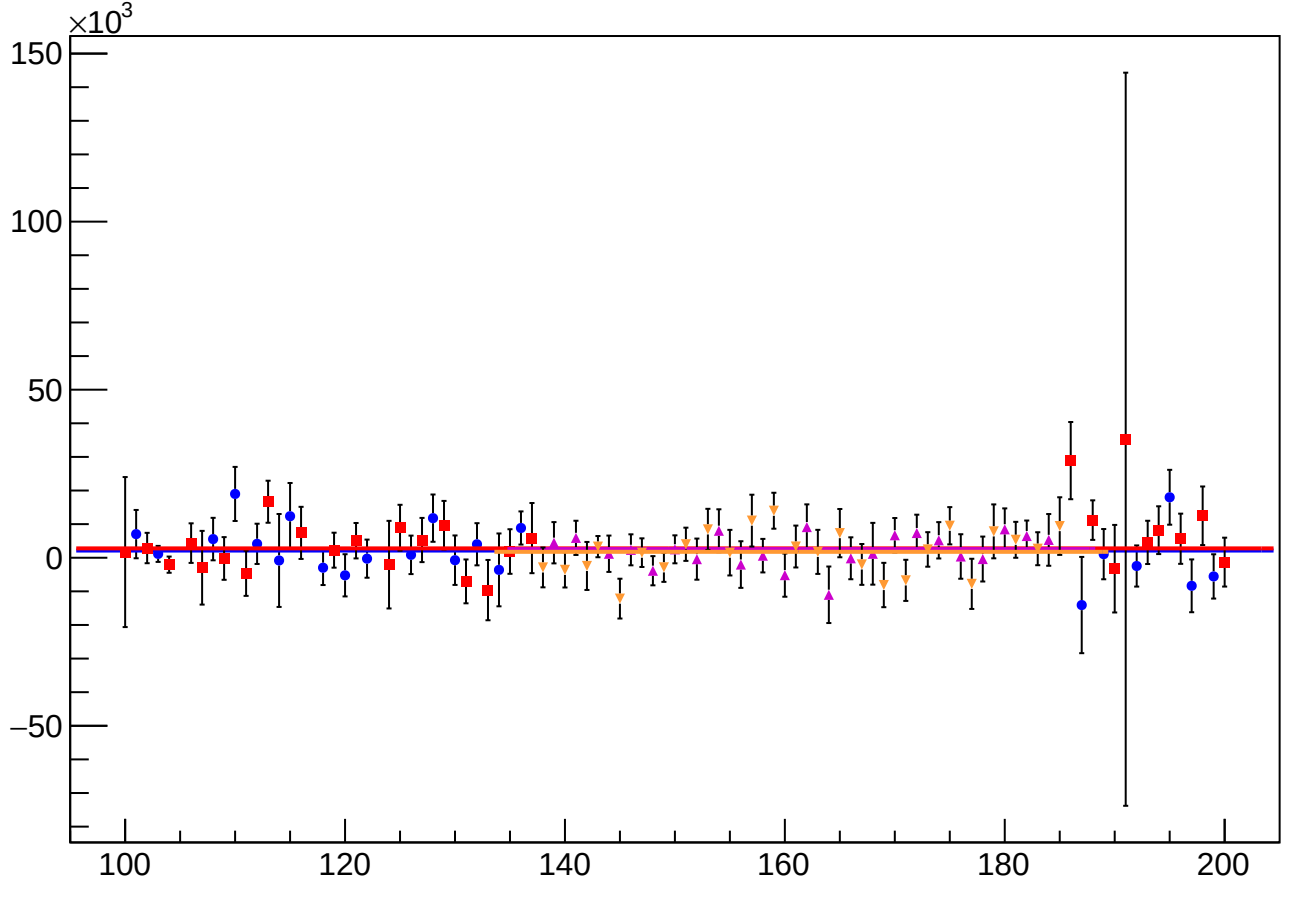
Right: -603.413+/-828.460 χ^2/NDF: 54.9/49

In: -248.940+/-872.809 χ^2/NDF:36.5/44

Out: -742.640+/-781.726 χ^2/NDF:61.2/52

All: -522.886+/-582.312 χ^2/NDF: 97.9/97


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4084.158+/-0.902 χ²/NDF: 2293771.9/21
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3654.345+/-0.770 χ²/NDF: 4645909.7/27
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 3835.632+/-0.586 χ²/NDF: 7070970.0/49
In: 4582.189+/-0.617 χ²/NDF:4092055.8/44
Out: 4200.683+/-0.553 χ²/NDF:7688732.1/52
All: 4370.497+/-0.412 χ²/NDF: 11992817.6/9



Right In: 2142.756+/-1268.283 χ^2/NDF: 22.2/21

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

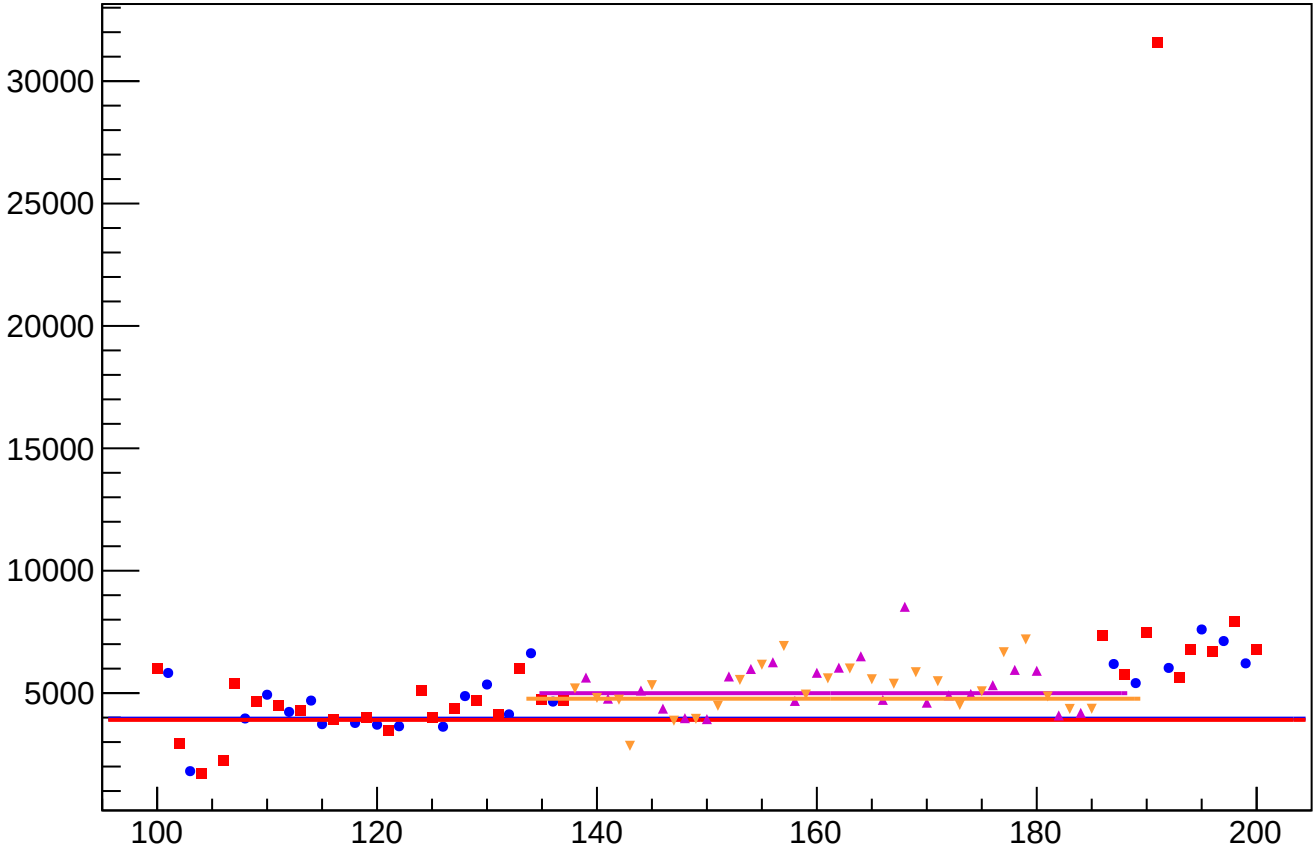
Right: 2480.936+/-871.219 χ^2/NDF: 49.8/49

In: 2375.550+/-867.211 χ^2/NDF:35.5/44

Out: 2235.992+/-816.935 χ^2/NDF:55.5/52

All: 2301.609+/-594.640 χ^2/NDF: 91.0/97

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3956.922+/-0.897 χ^2/NDF: 3397771.8/21

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

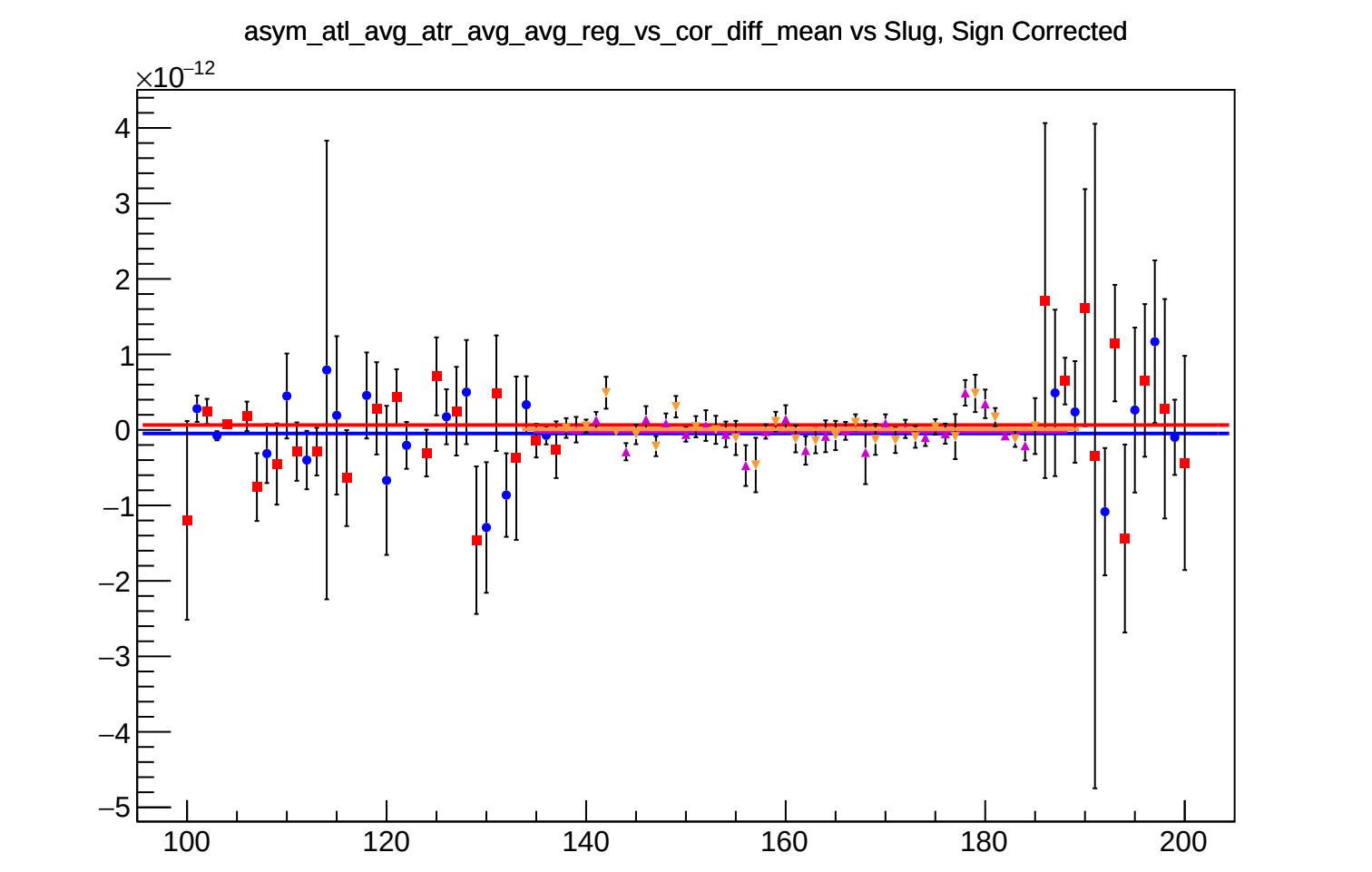
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

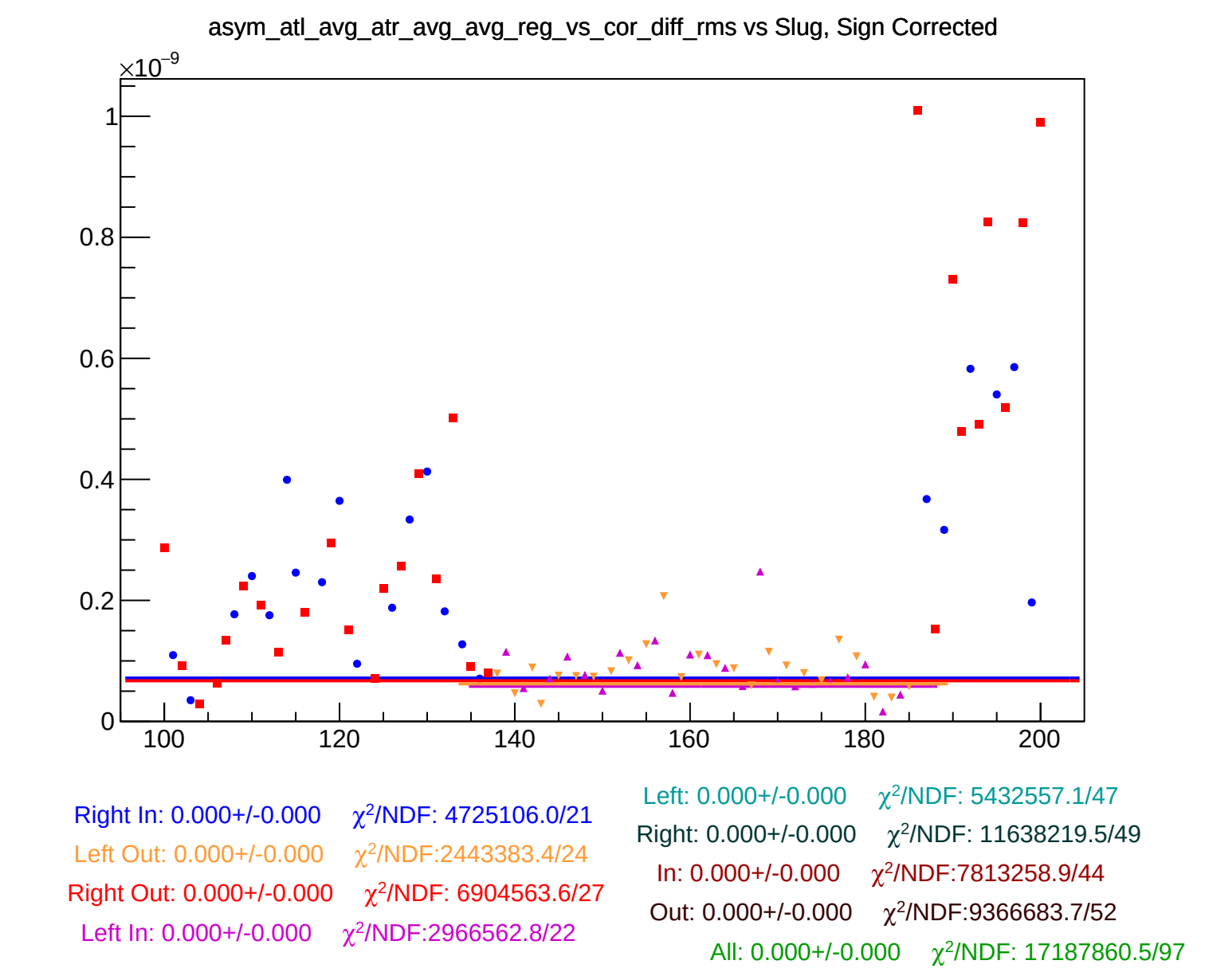
Right: 3929.962+/-0.612 χ^2/NDF: 7877548.3/49

In: 4510.572+/-0.613 χ^2/NDF:5209441.2/44

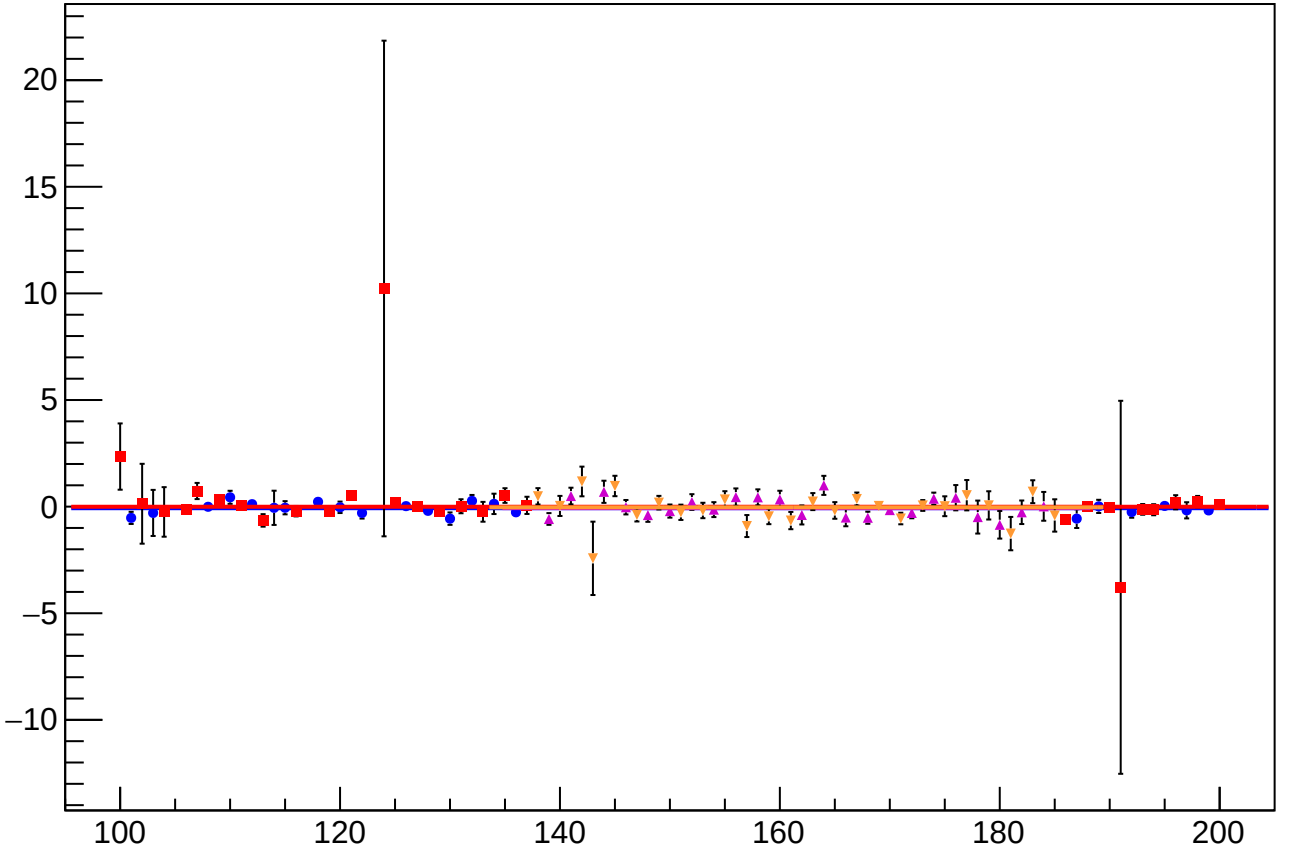
Out: 4364.829+/-0.575 χ^2/NDF:6829230.2/52

All: 4432.977+/-0.419 χ^2/NDF: 12068746.2/9


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: 17.0/21
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: 47.5/49
In: -0.000+/-0.000 χ²/NDF:48.9/44
Out: 0.000+/-0.000 χ²/NDF:55.9/52
All: -0.000+/-0.000 χ²/NDF: 107.2/97


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4725106.0/21
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6904563.6/27
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
Left: 0.000+/-0.000 χ²/NDF: 5432557.1/47
Right: 0.000+/-0.000 χ²/NDF: 11638219.5/49
In: 0.000+/-0.000 χ²/NDF:7813258.9/44
Out: 0.000+/-0.000 χ²/NDF:9366683.7/52
All: 0.000+/-0.000 χ²/NDF: 17187860.5/97

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

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

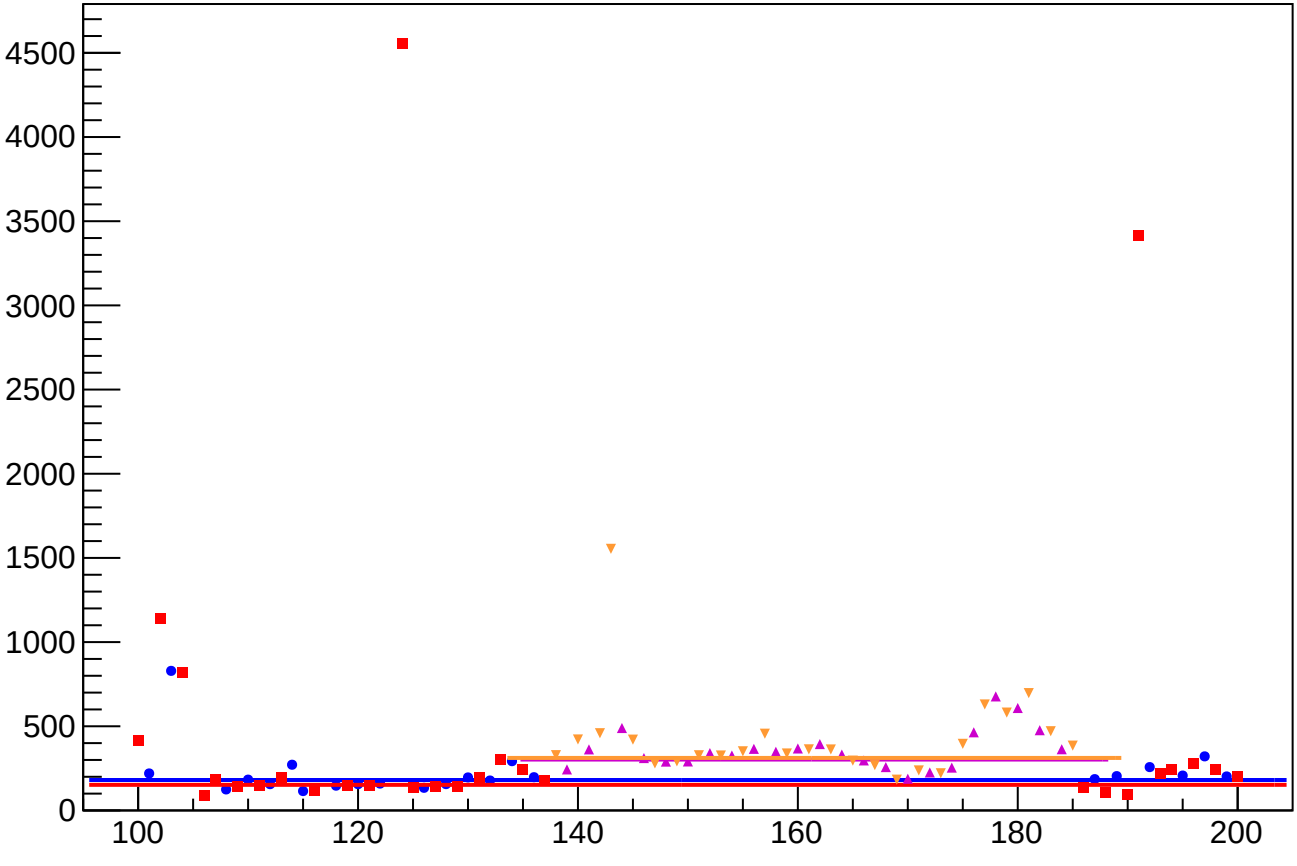
Right: -0.033+/-0.037 χ^2/NDF: 55.4/49

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.039+/-0.030 χ^2/NDF: 118.0/97

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

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

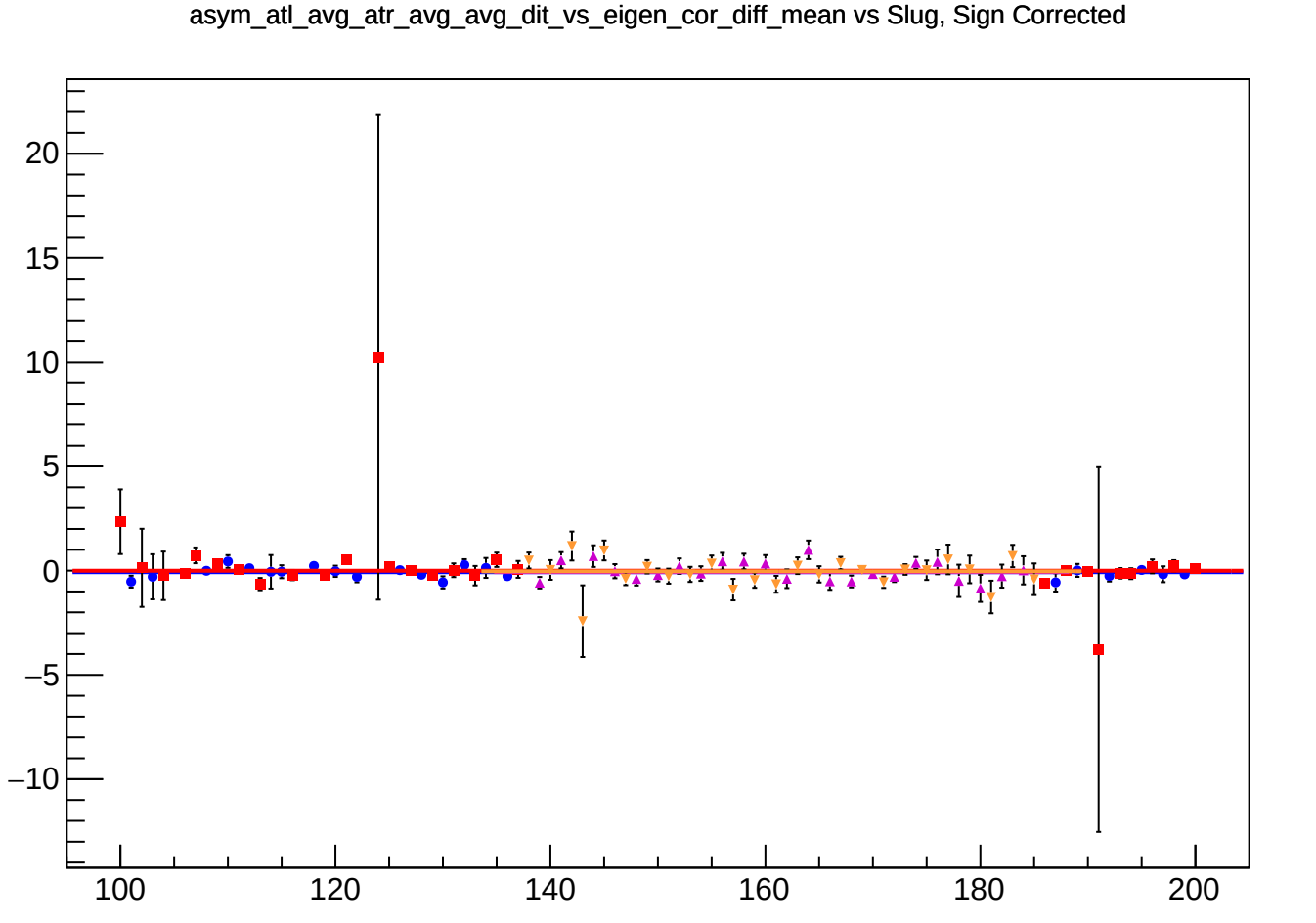
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 163.758+/-0.026 χ^2/NDF: 6370816.0/49

In: 226.039+/-0.032 χ^2/NDF:7987364.6/44

Out: 196.247+/-0.028 χ^2/NDF:14841684.4/52

All: 209.278+/-0.021 χ^2/NDF: 23308118.7/97



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

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

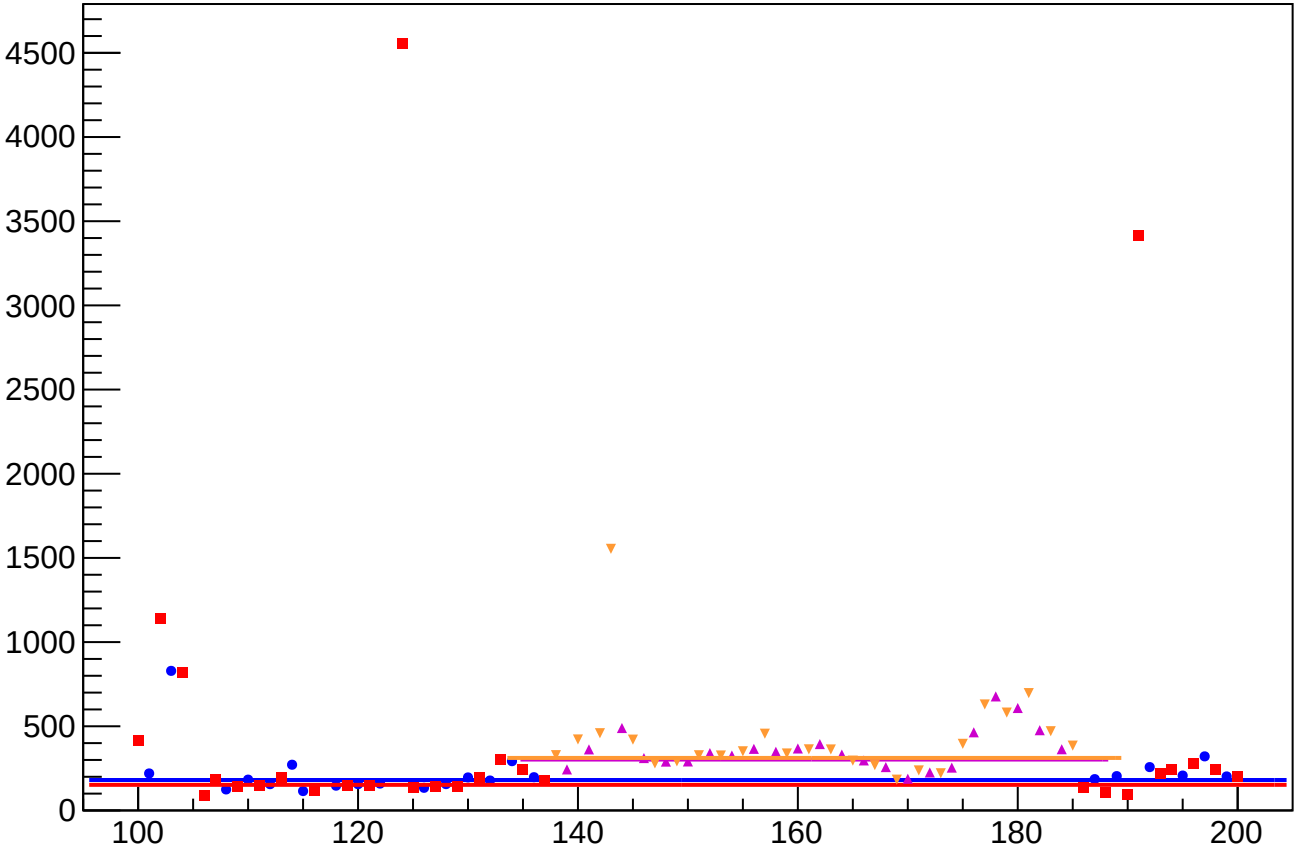
Right: -0.033+/-0.037 χ^2/NDF: 55.4/49

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.039+/-0.030 χ^2/NDF: 118.0/97

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

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

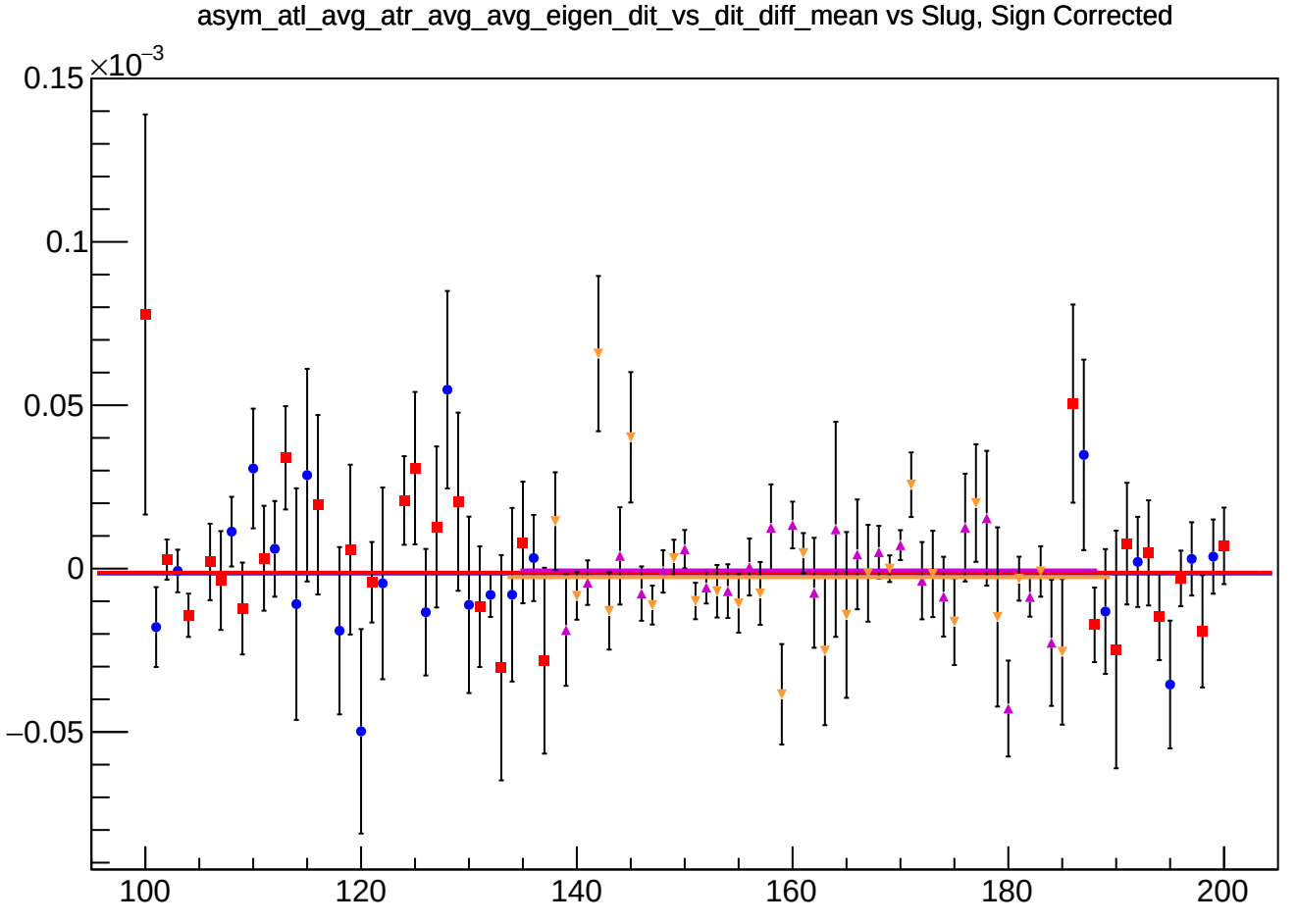
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 163.758+/-0.026 χ^2/NDF: 6370816.0/49

In: 226.039+/-0.032 χ^2/NDF:7987364.6/44

Out: 196.247+/-0.028 χ^2/NDF:14841684.4/52

All: 209.278+/-0.021 χ^2/NDF: 23308118.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/21

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

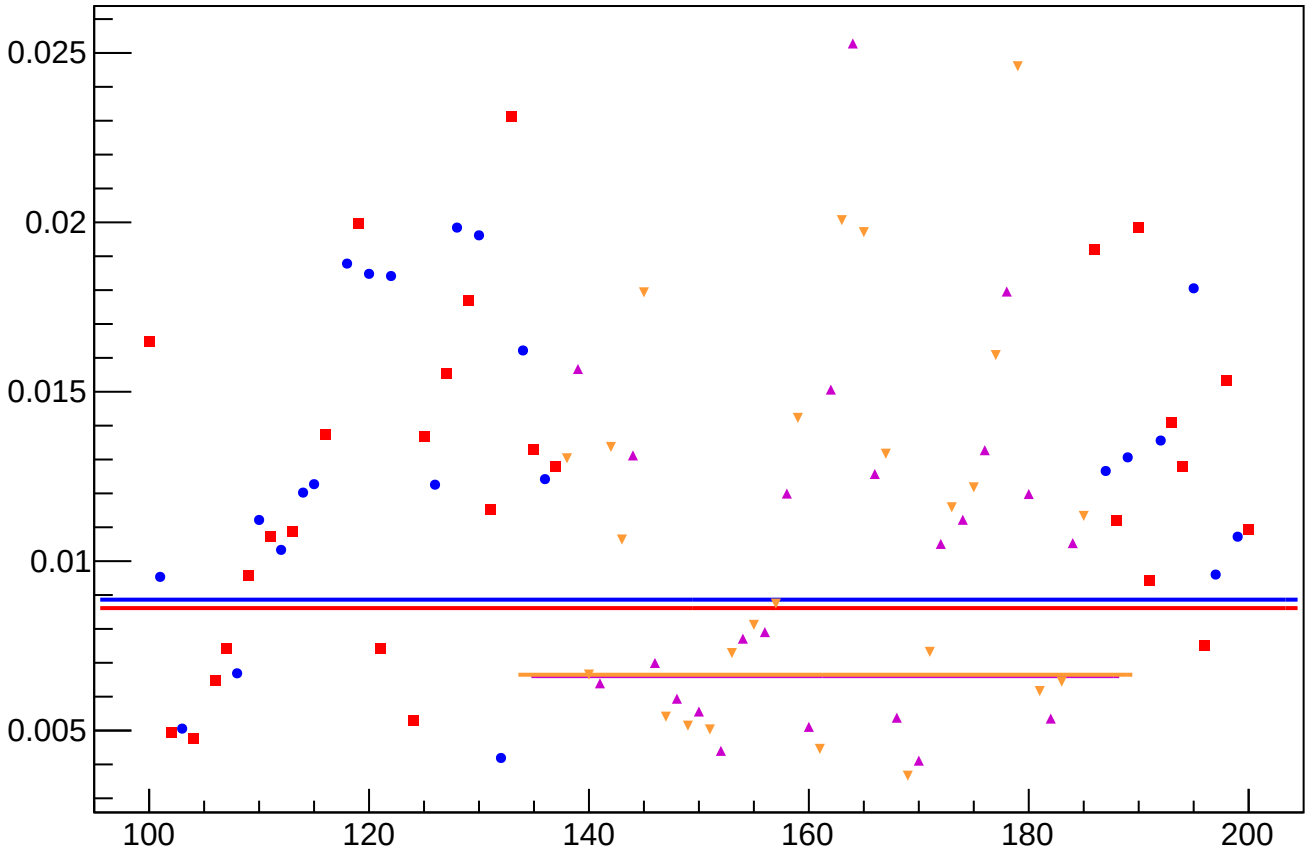
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.2/49

In: -0.000+/-0.000 χ^2/NDF:47.8/44

Out: -0.000+/-0.000 χ^2/NDF:71.0/52

All: -0.000+/-0.000 χ^2/NDF: 119.2/97



Right In: 0.009+/-0.000 χ^2/NDF: 4334937.1/21

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

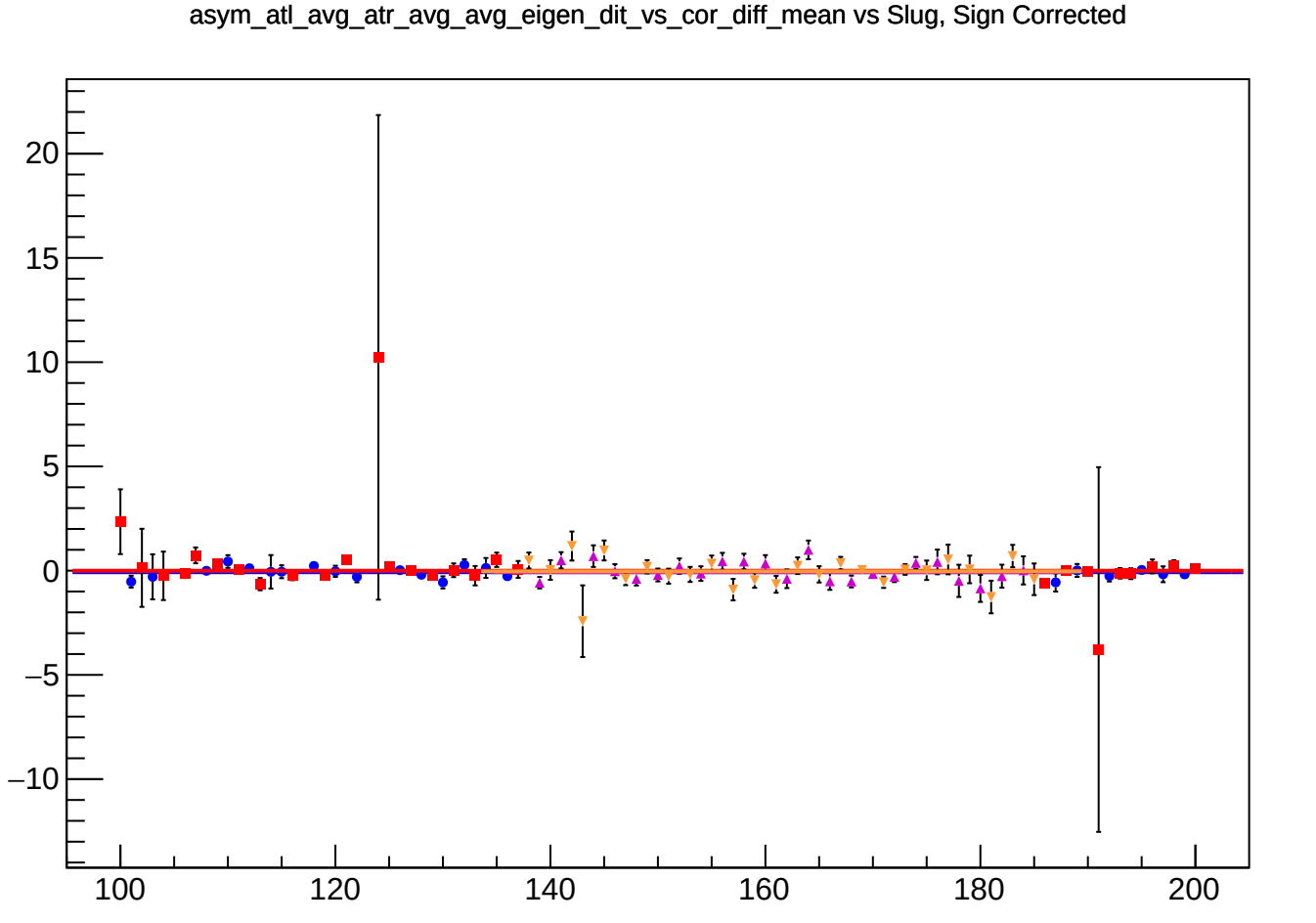
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 8947934.8/49

In: 0.007+/-0.000 χ^2/NDF:11045363.8/44

Out: 0.007+/-0.000 χ^2/NDF:12910332.0/52

All: 0.007+/-0.000 χ^2/NDF: 23956922.3/97



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

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

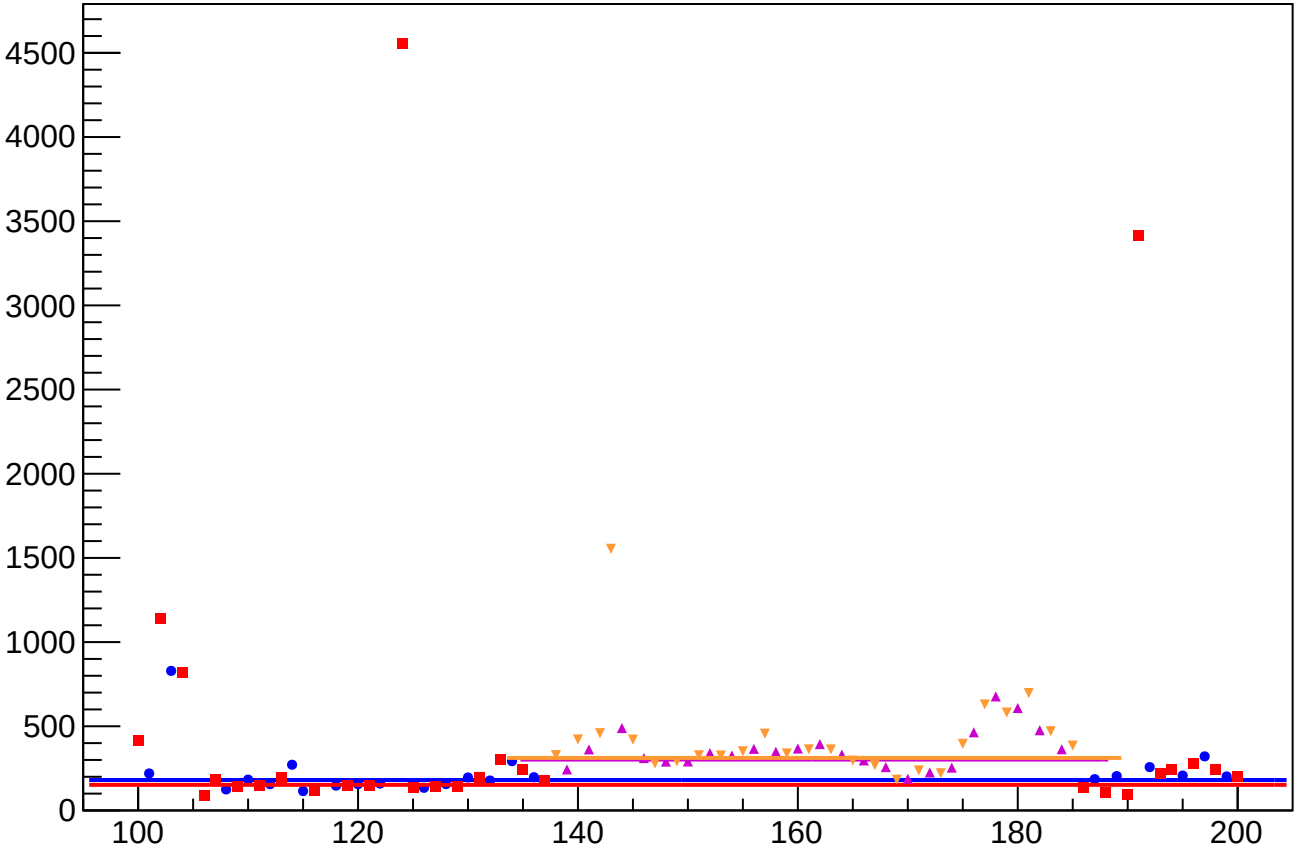
Right: -0.033+/-0.037 χ^2/NDF: 55.4/49

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.039+/-0.030 χ^2/NDF: 118.0/97

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

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

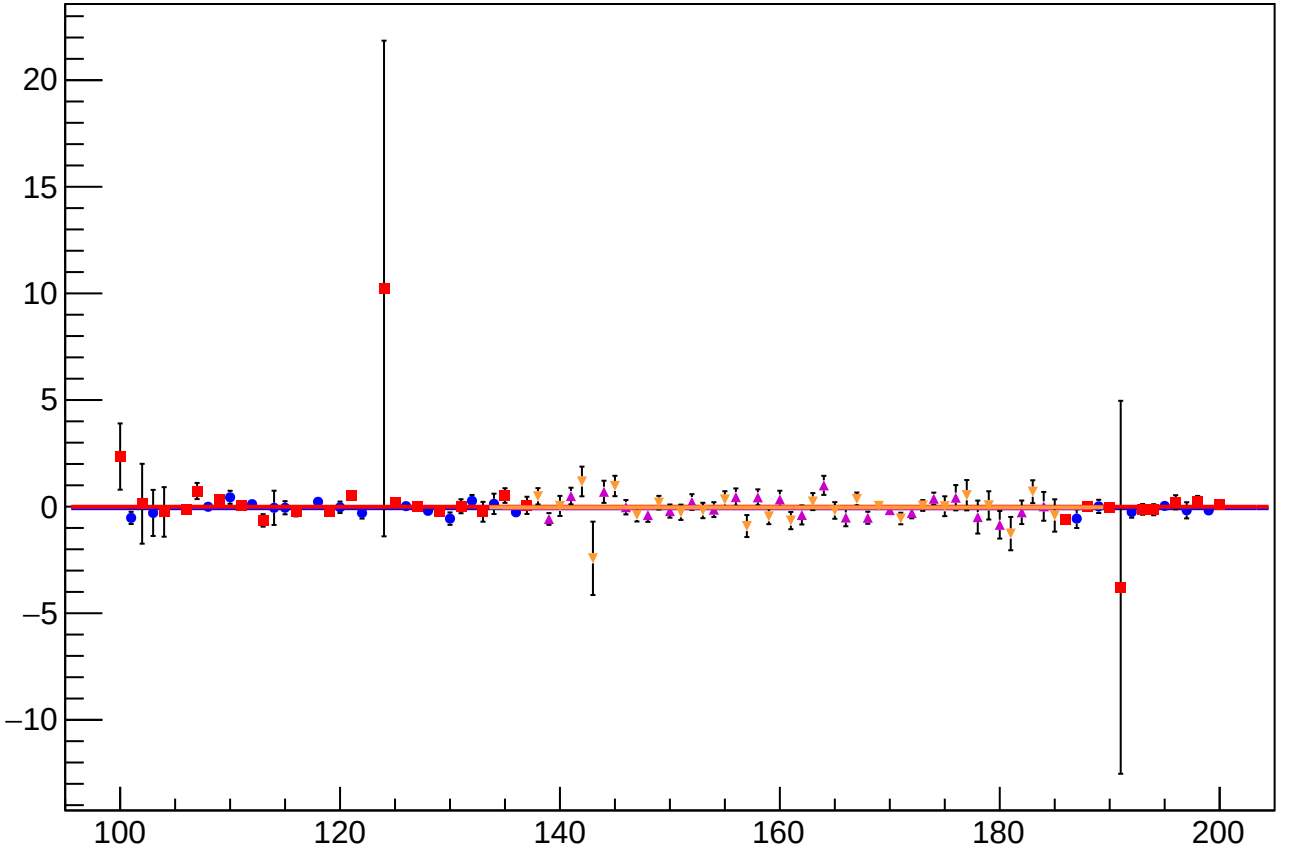
Right: 163.755+/-0.026 χ^2/NDF: 6371060.8/49

In: 226.039+/-0.032 χ^2/NDF:7987577.3/44

Out: 196.243+/-0.028 χ^2/NDF:14842377.0/52

All: 209.275+/-0.021 χ^2/NDF: 23309135.8/97

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

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

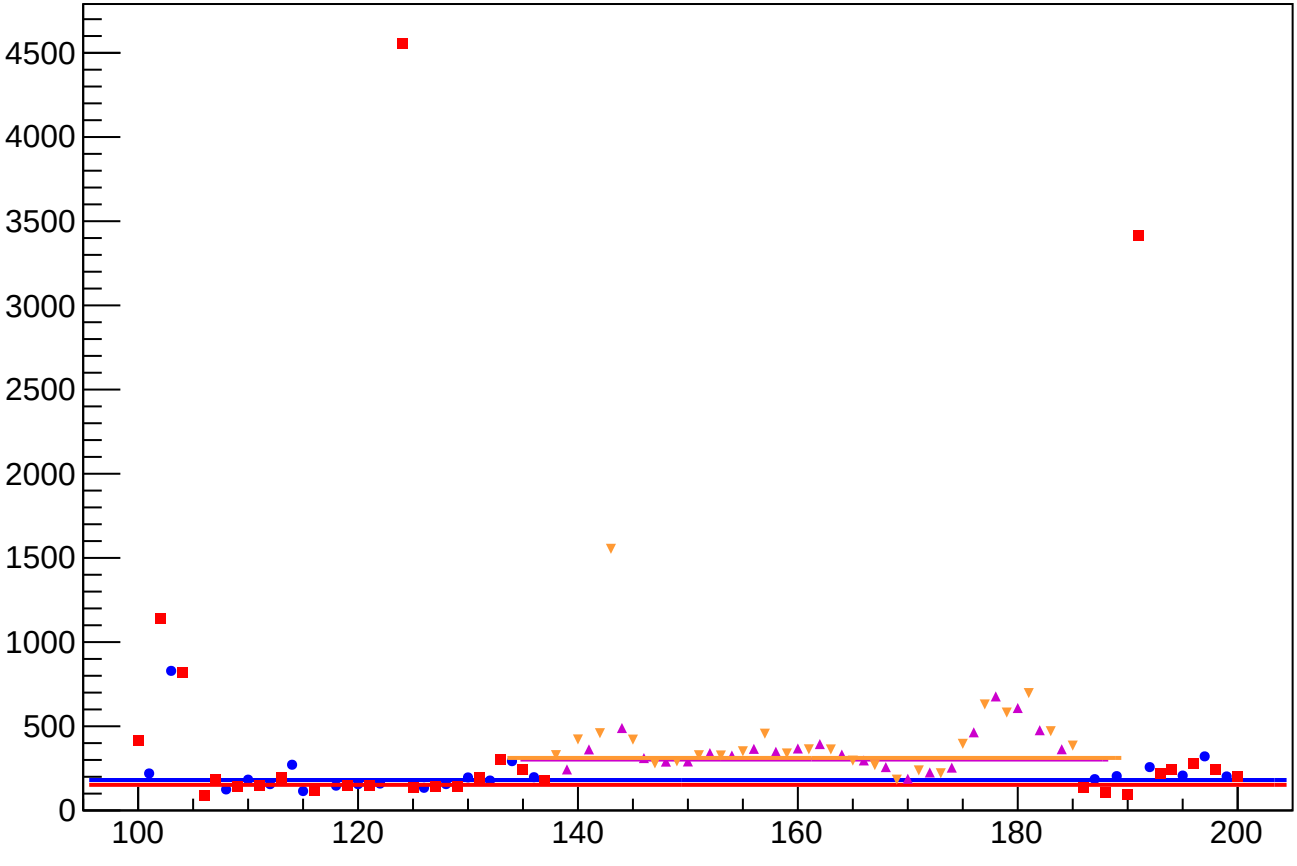
Right: -0.033+/-0.037 χ^2/NDF: 55.4/49

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.014+/-0.040 χ^2/NDF:69.9/52

All: -0.039+/-0.030 χ^2/NDF: 118.0/97

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

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

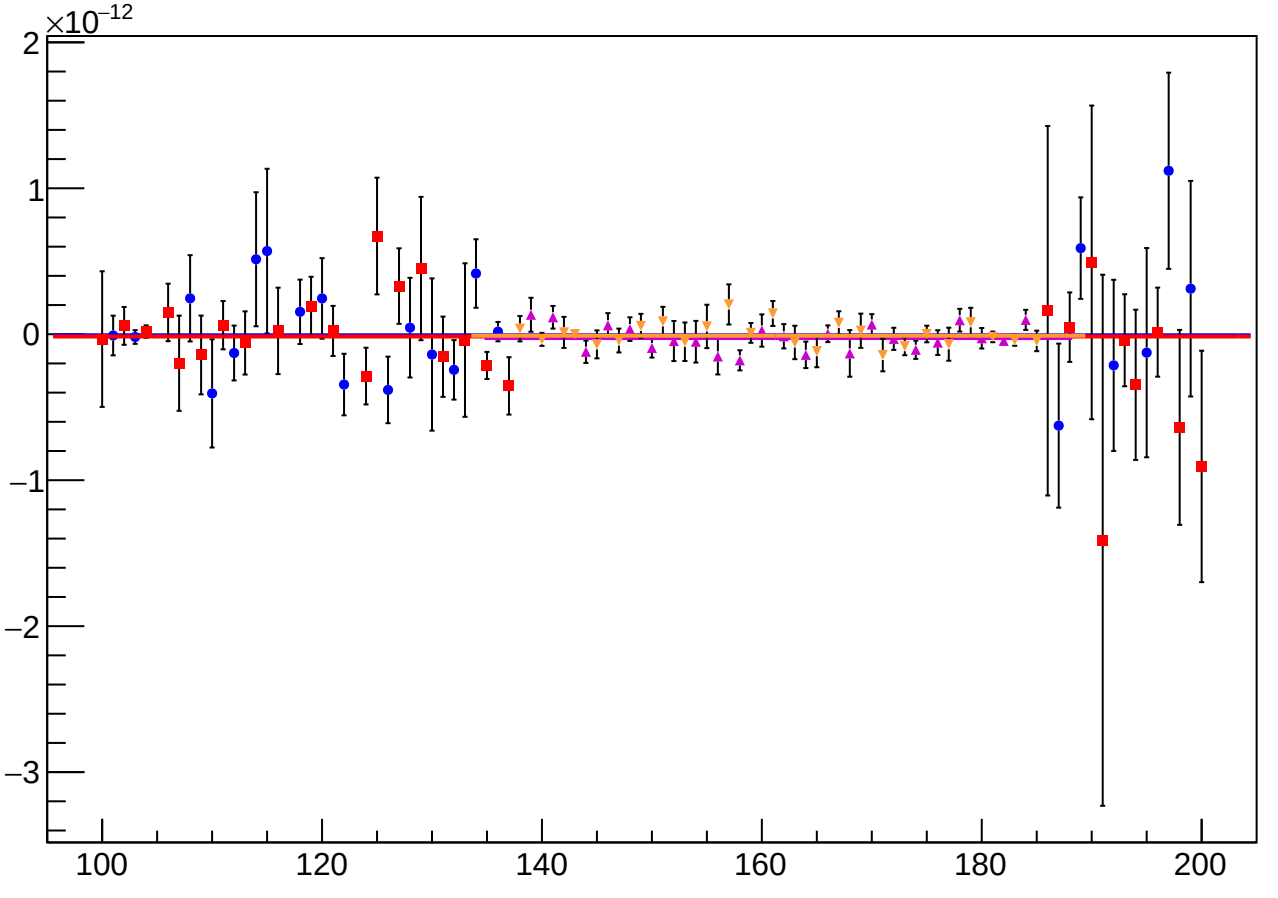
Right: 163.755+/-0.026 χ^2/NDF: 6371060.8/49

In: 226.039+/-0.032 χ^2/NDF:7987577.3/44

Out: 196.243+/-0.028 χ^2/NDF:14842377.0/52

All: 209.275+/-0.021 χ^2/NDF: 23309135.8/97

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: 23.5/21

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

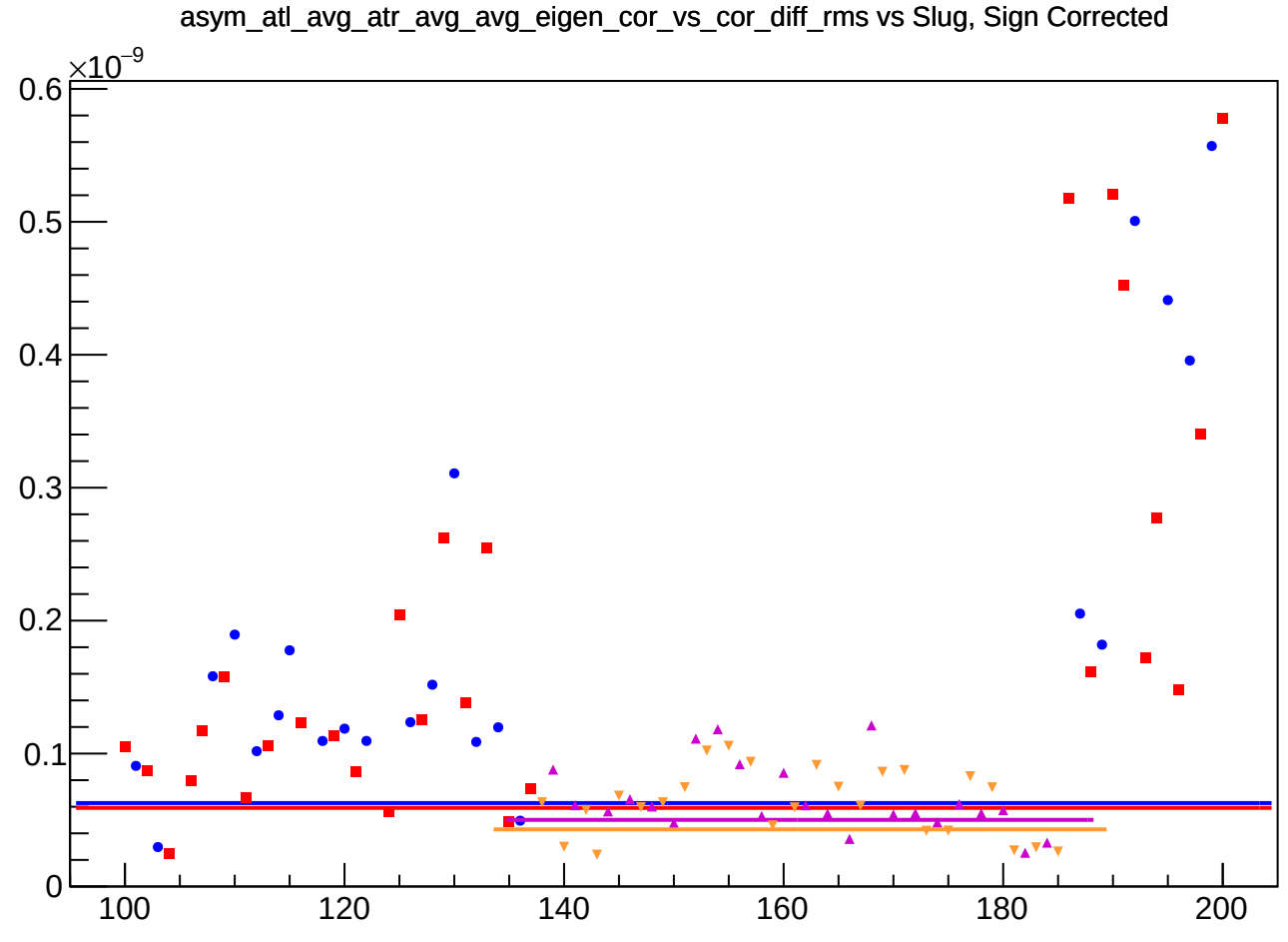
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 45.9/49

In: -0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:38.6/52

All: -0.000+/-0.000 χ^2/NDF: 90.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 6461758.8/21

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

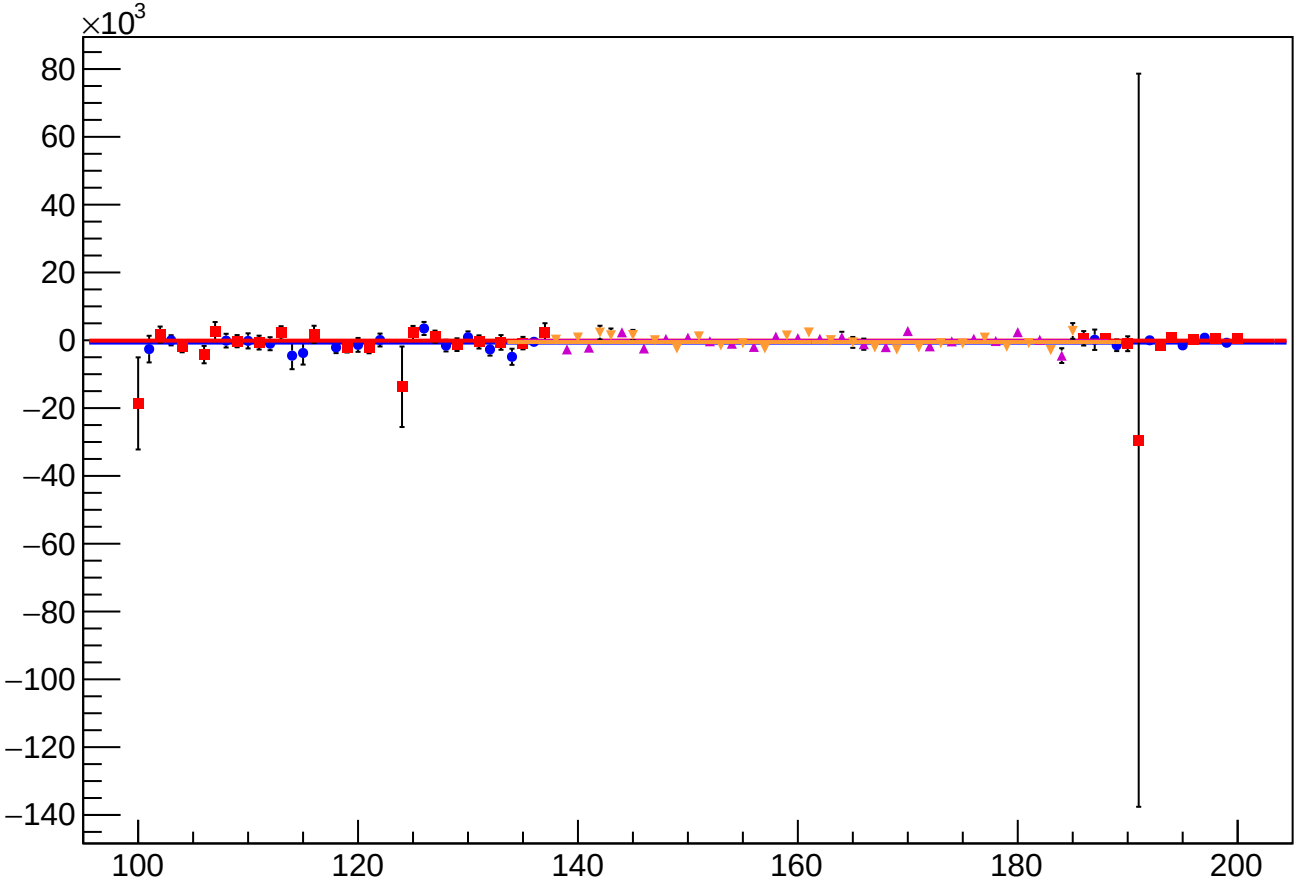
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12951578.3/49

In: 0.000+/-0.000 χ^2/NDF:10320671.7/44

Out: 0.000+/-0.000 χ^2/NDF:12015596.7/52

All: 0.000+/-0.000 χ^2/NDF: 22610742.3/97



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

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

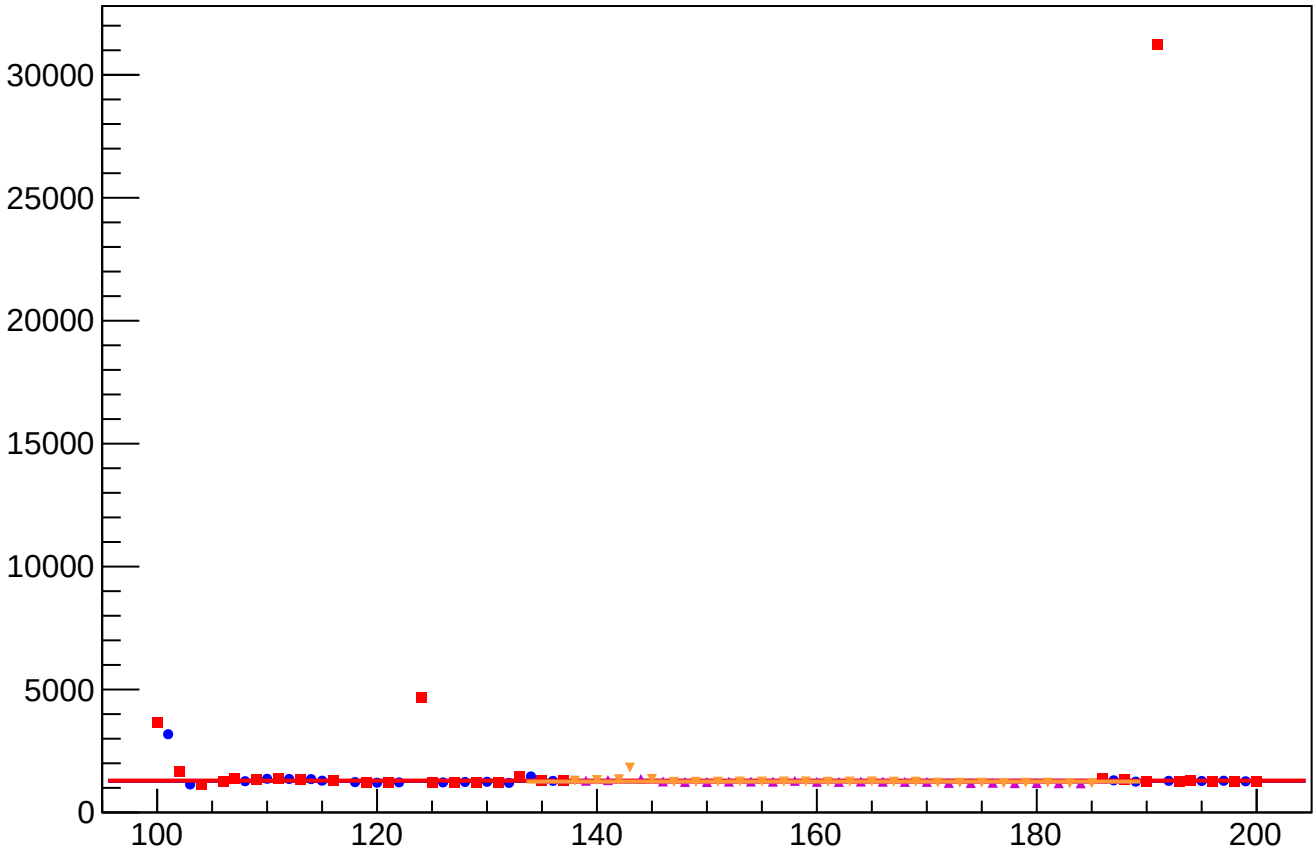
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -373.881+/-261.398 χ^2/NDF: 35.1/49

In: -403.675+/-231.635 χ^2/NDF:48.3/44

Out: -354.743+/-223.477 χ^2/NDF:50.2/52

All: -378.333+/-160.829 χ^2/NDF: 98.5/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

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

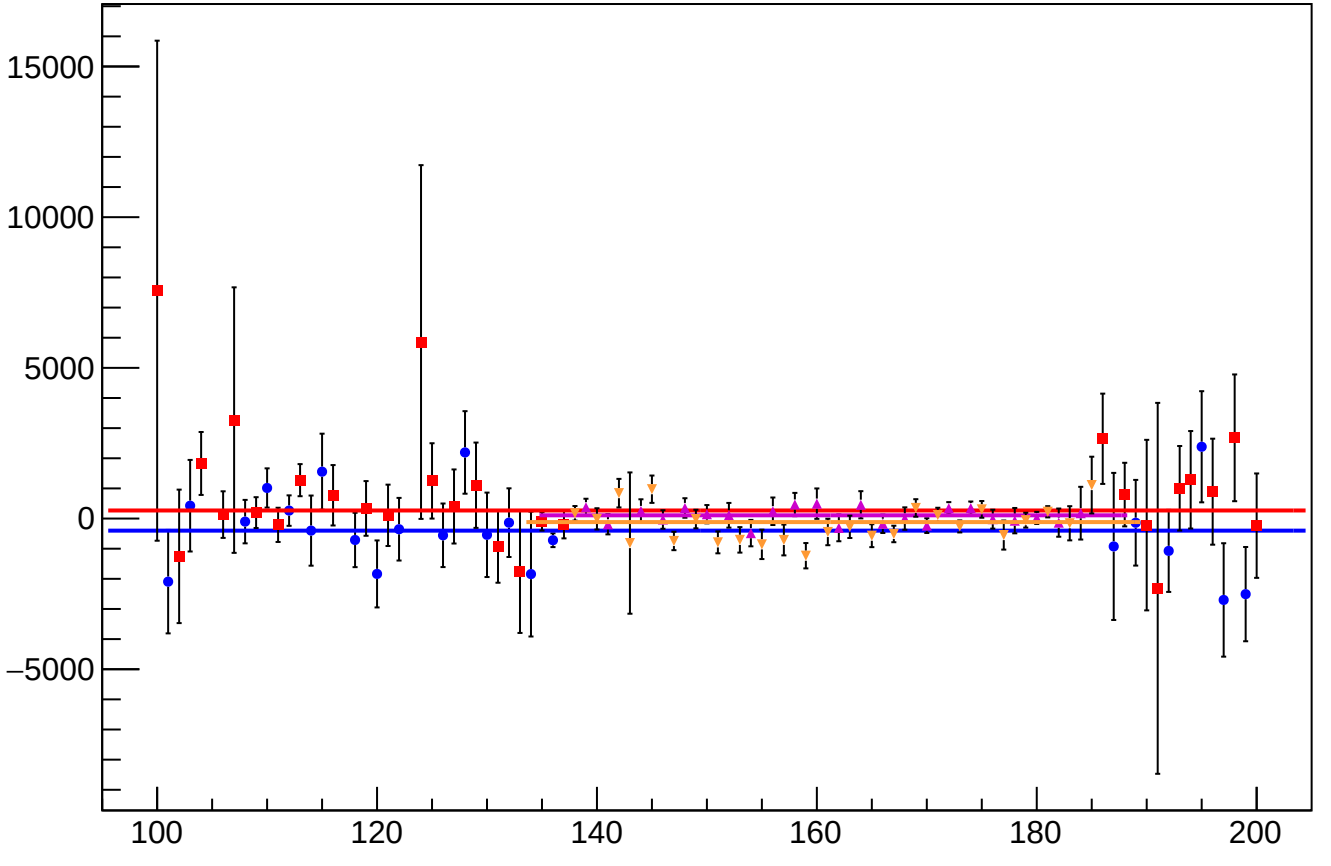
Right: 1289.230+/-0.185 χ^2/NDF: 1010817.7/49

In: 1259.825+/-0.164 χ^2/NDF:570809.2/44

Out: 1270.749+/-0.158 χ^2/NDF:708255.3/52

All: 1265.483+/-0.114 χ^2/NDF: 1281368.0/97

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

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

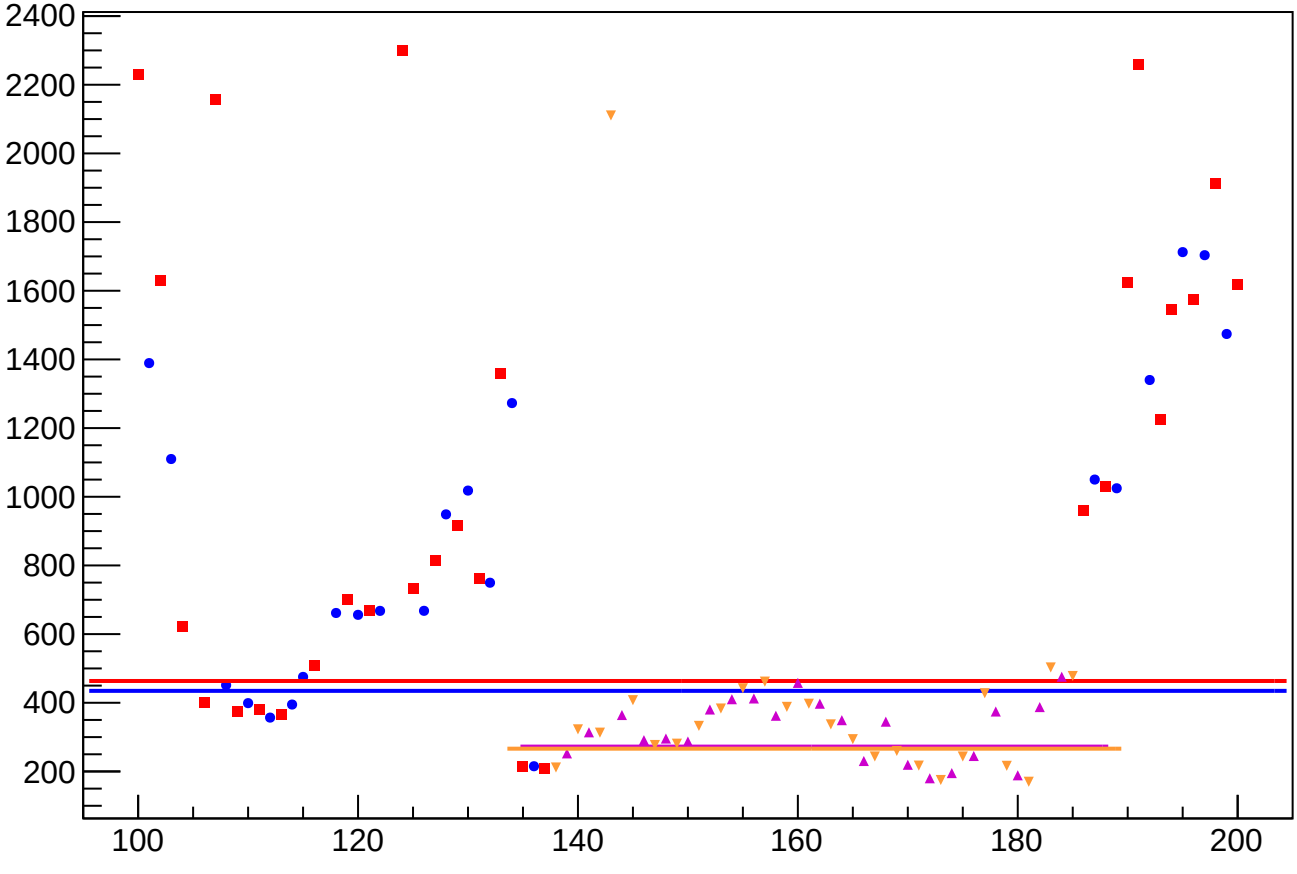
Right: -64.249+/-115.028 χ^2/NDF: 52.6/49

In: 34.042+/-61.982 χ^2/NDF:46.1/44

Out: -63.631+/-60.379 χ^2/NDF:73.3/52

All: -16.074+/-43.250 χ^2/NDF: 120.7/97

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

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

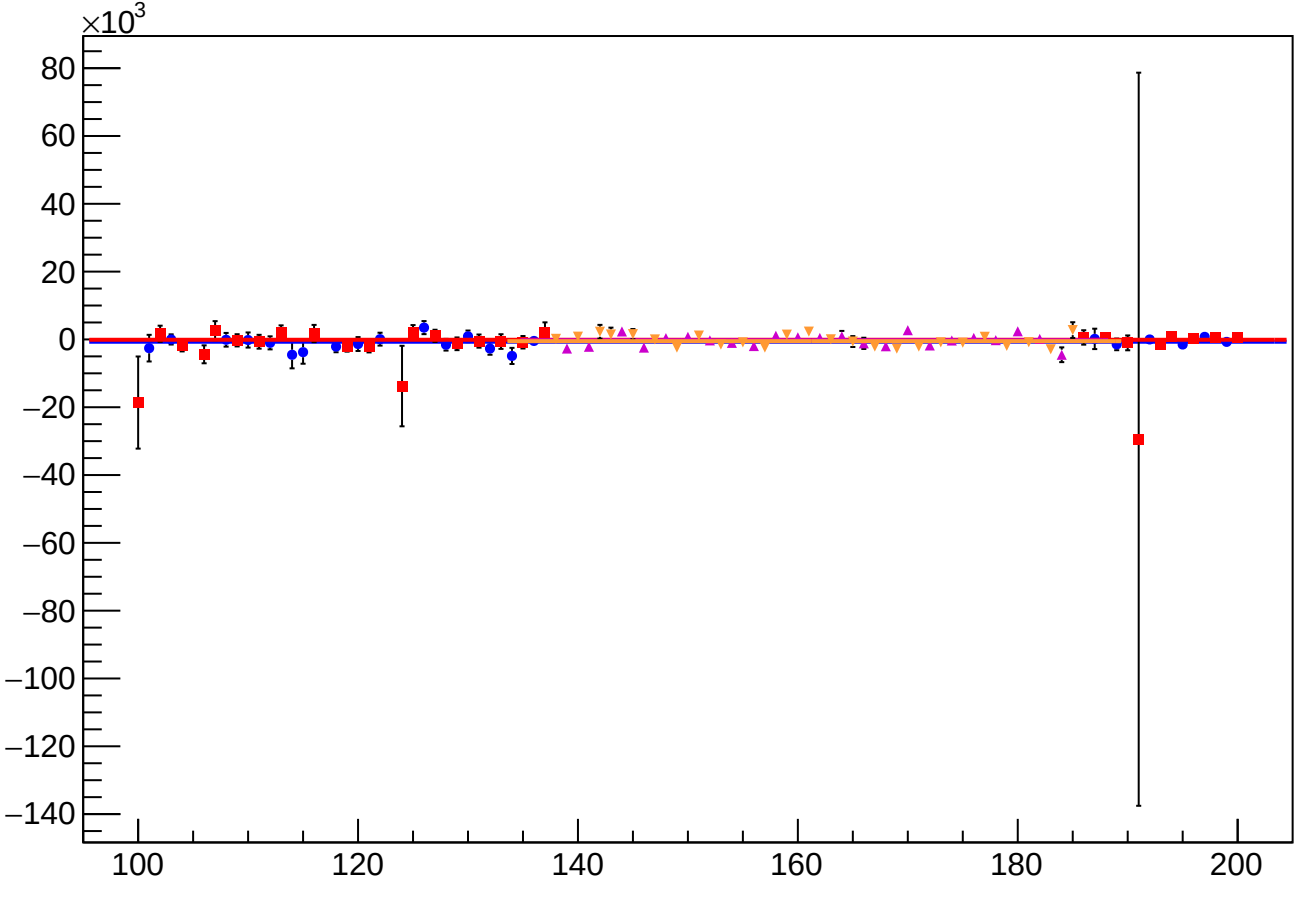
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 449.182+/-0.081 χ^2/NDF: 18496825.9/49

In: 295.775+/-0.044 χ^2/NDF:13117339.4/44

Out: 293.665+/-0.043 χ^2/NDF:17106307.6/52

All: 294.692+/-0.031 χ^2/NDF: 30224837.3/97



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

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

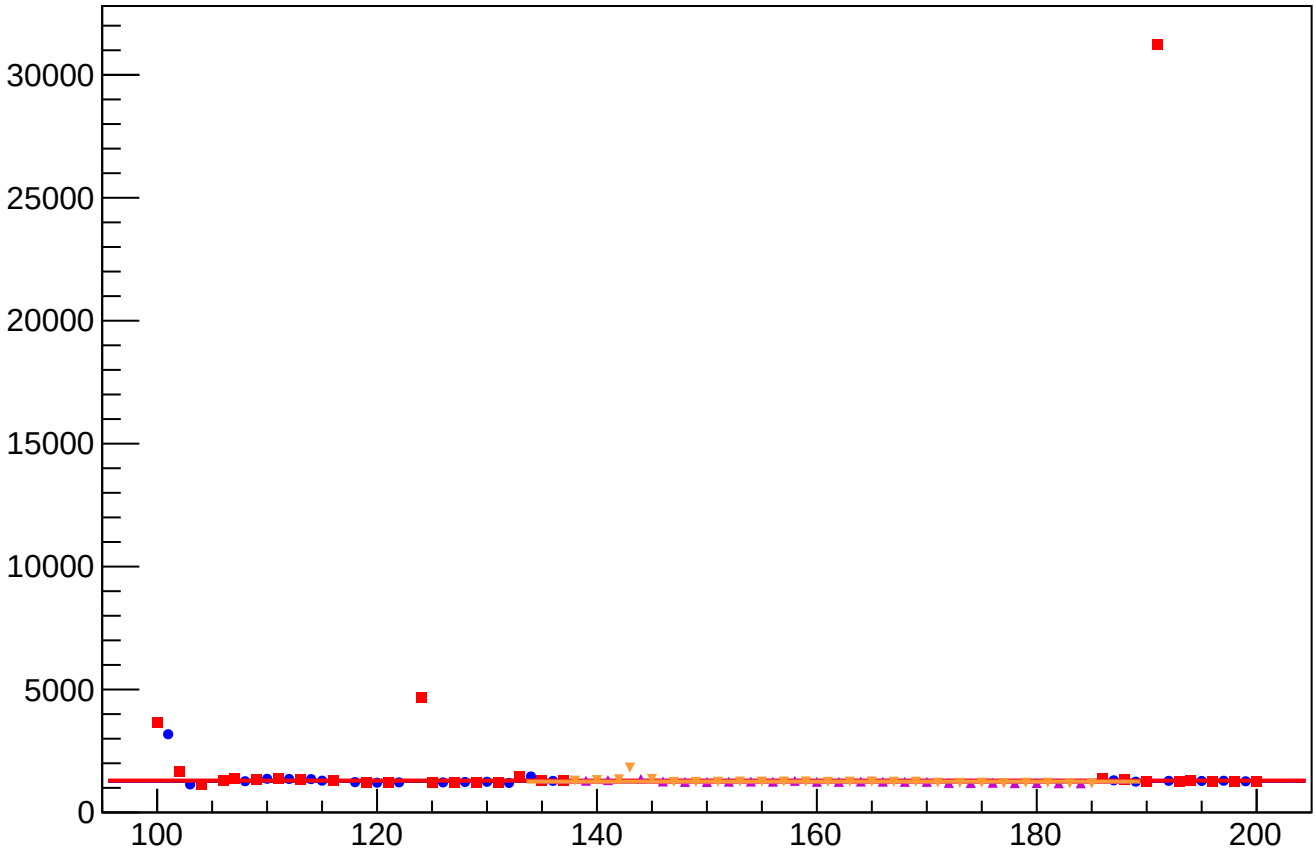
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -373.032+/-261.479 χ^2/NDF: 35.2/49

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -377.988+/-160.848 χ^2/NDF: 98.6/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

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

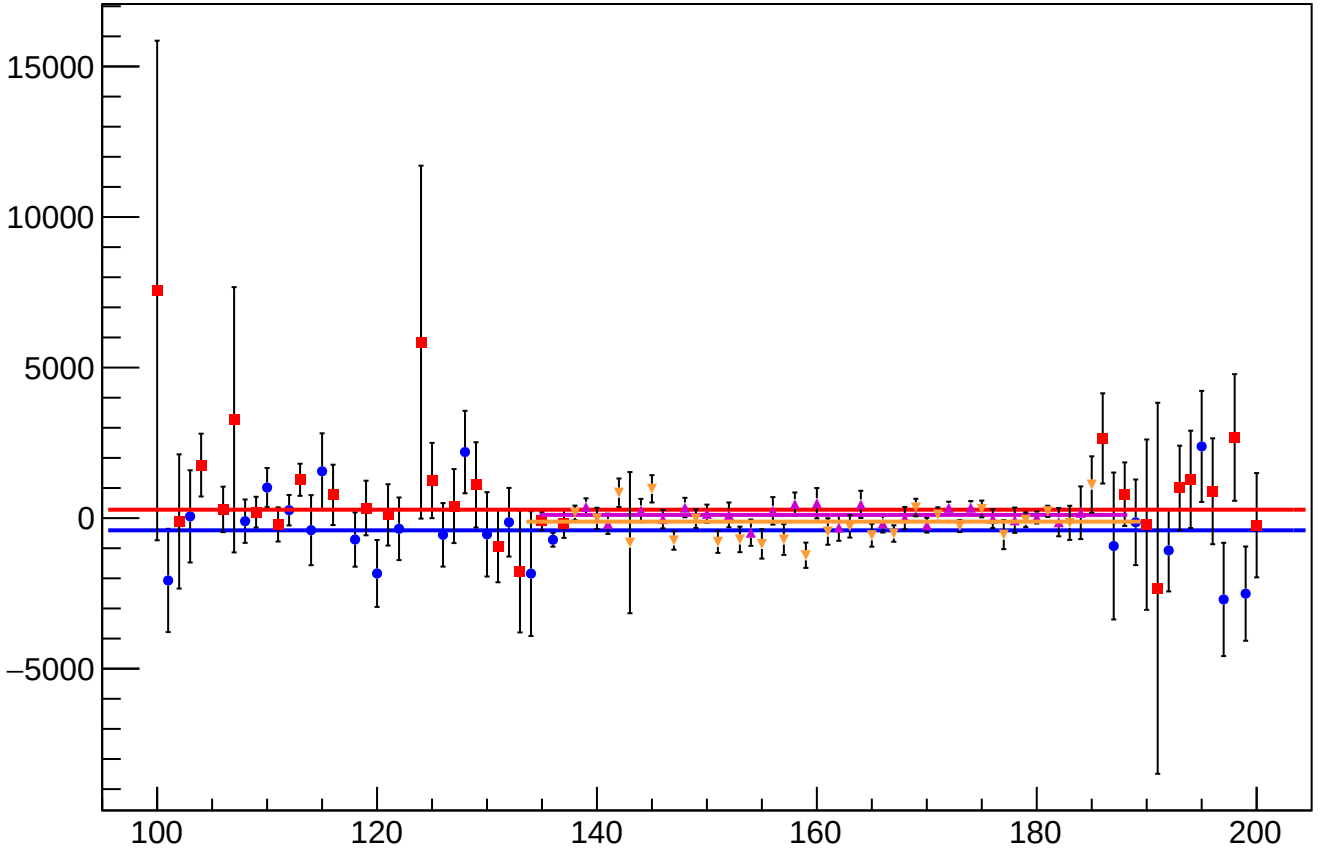
Right: 1289.645+/-0.185 χ^2/NDF: 1010667.6/49

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

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

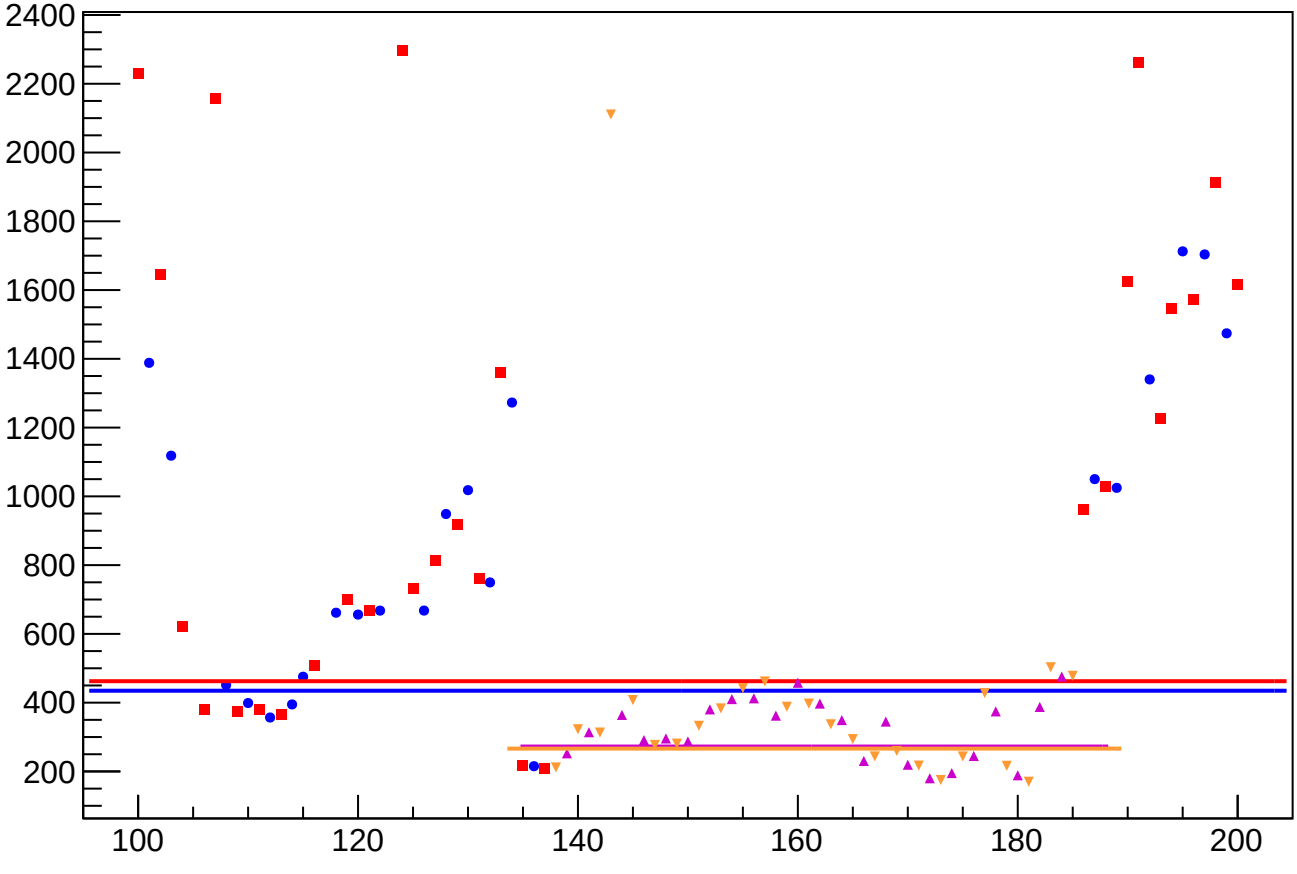
Right: -59.939+/-114.972 χ^2/NDF: 52.1/49

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.411+/-43.248 χ^2/NDF: 120.2/97

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

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

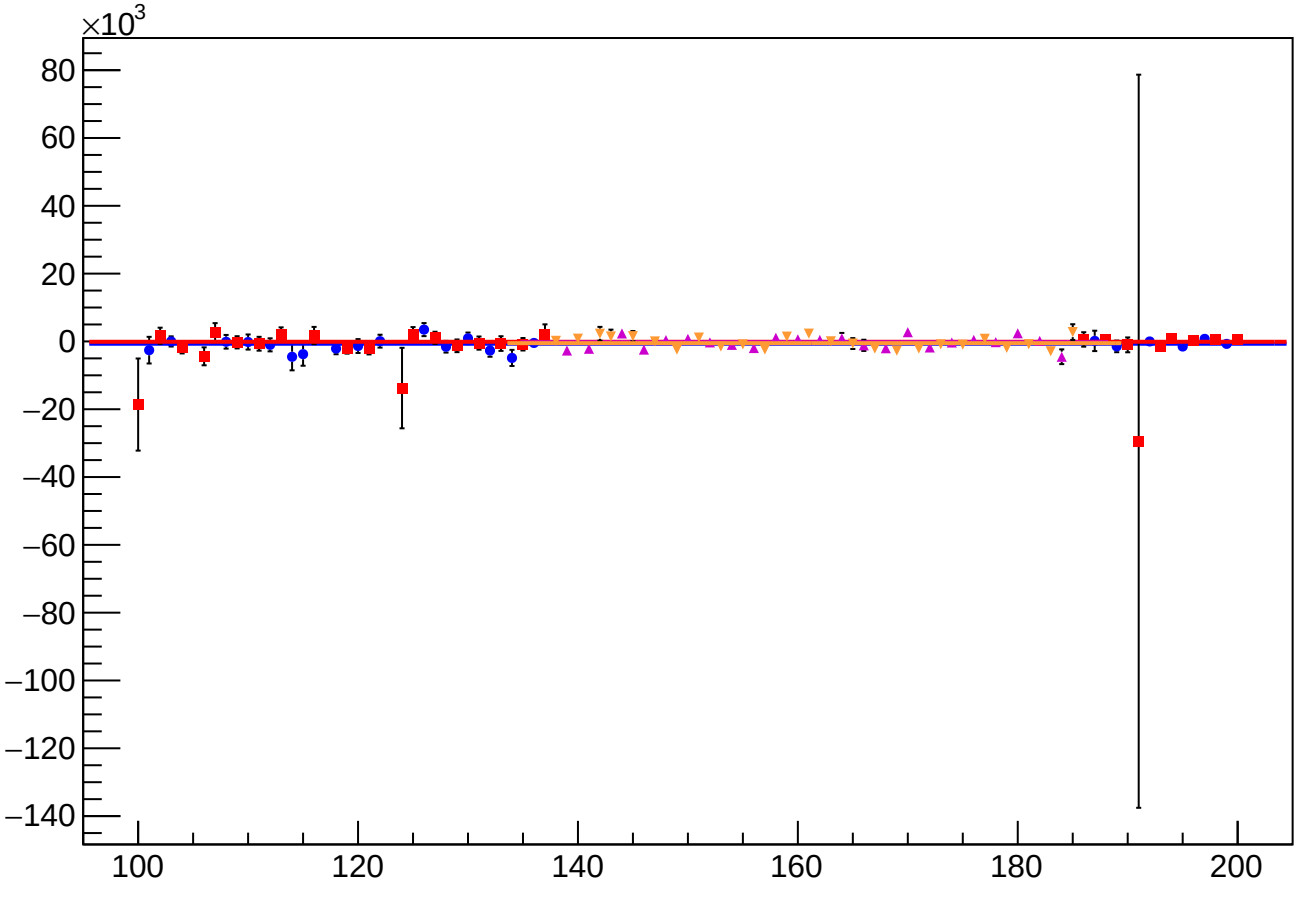
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 448.682+/-0.081 χ^2/NDF: 18514959.2/49

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

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

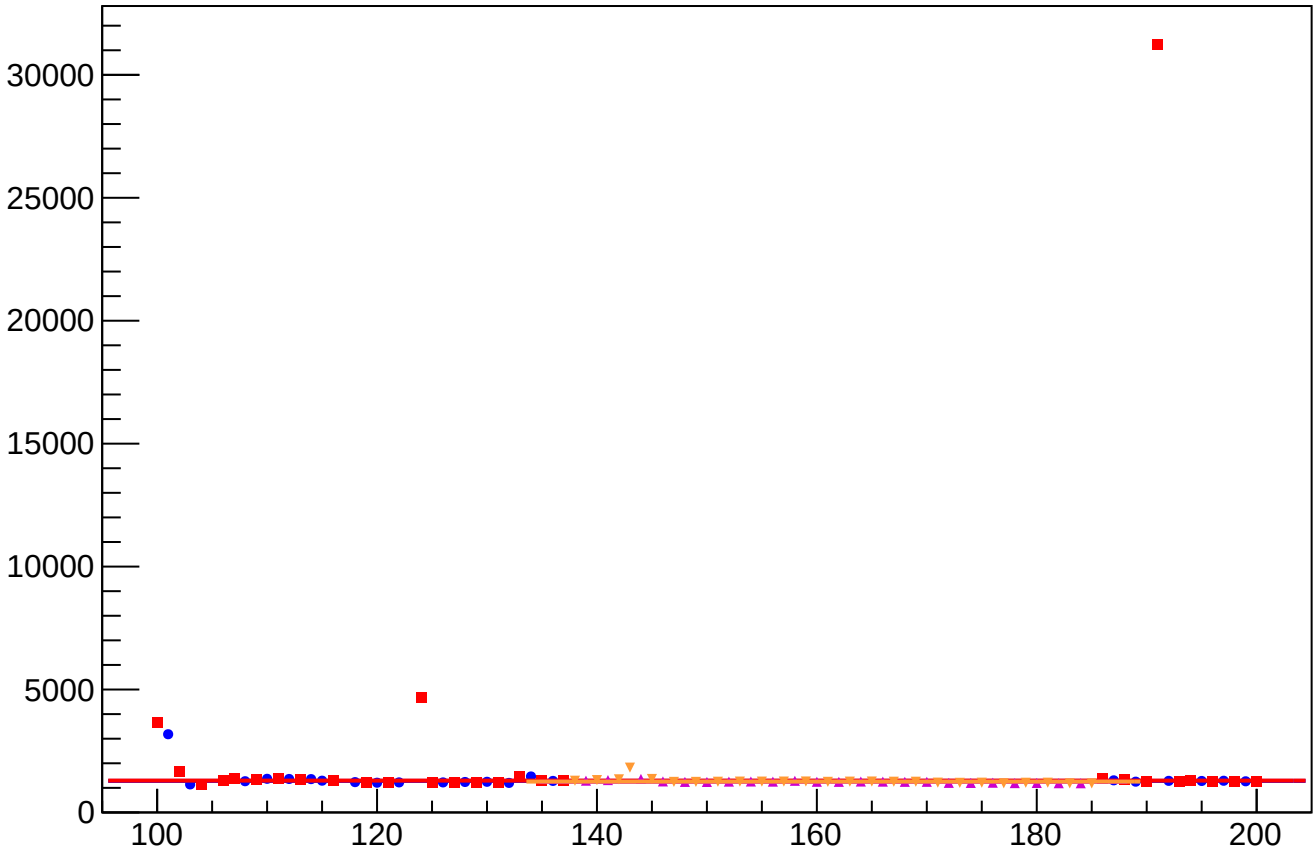
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -373.032+/-261.479 χ^2/NDF: 35.2/49

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -377.988+/-160.848 χ^2/NDF: 98.6/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

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

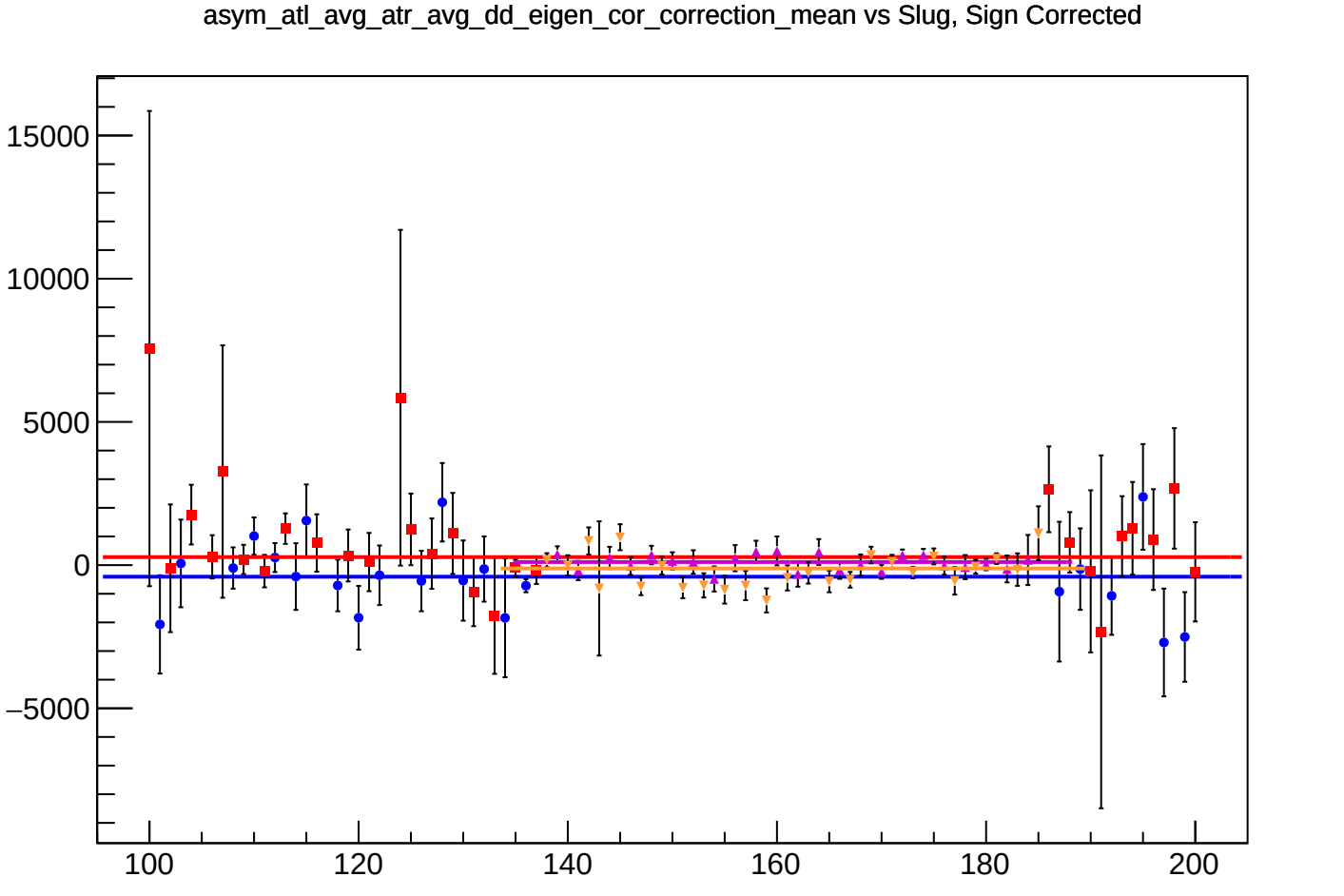
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1289.645+/-0.185 χ^2/NDF: 1010667.6/49

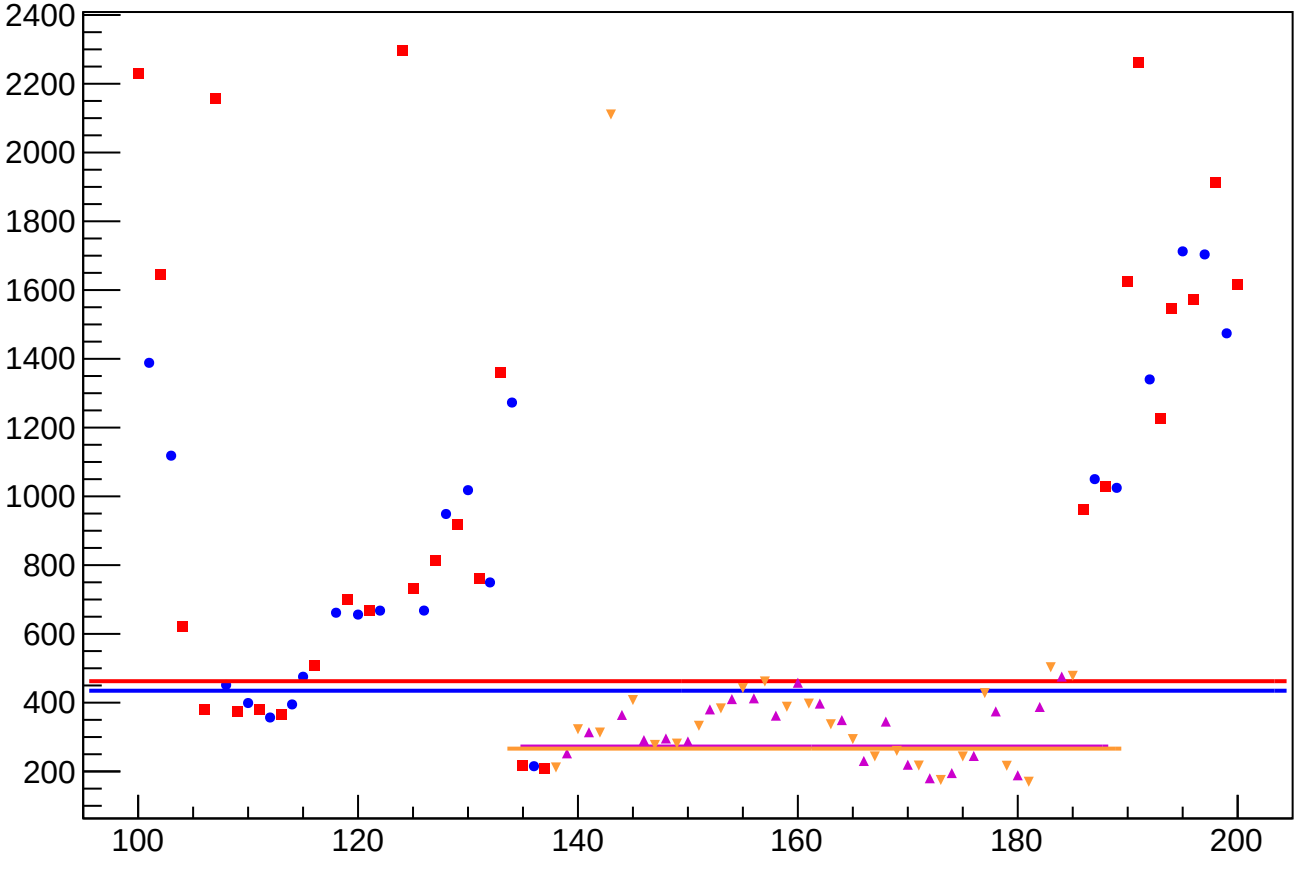
In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -405.193+/-163.245 χ²/NDF: 23.9/21
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: 279.869+/-161.953 χ²/NDF: 19.4/27
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -59.939+/-114.972 χ²/NDF: 52.1/49
In: 33.548+/-61.985 χ²/NDF:46.0/44
Out: -61.854+/-60.371 χ²/NDF:73.0/52
All: -15.411+/-43.248 χ²/NDF: 120.2/97

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

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

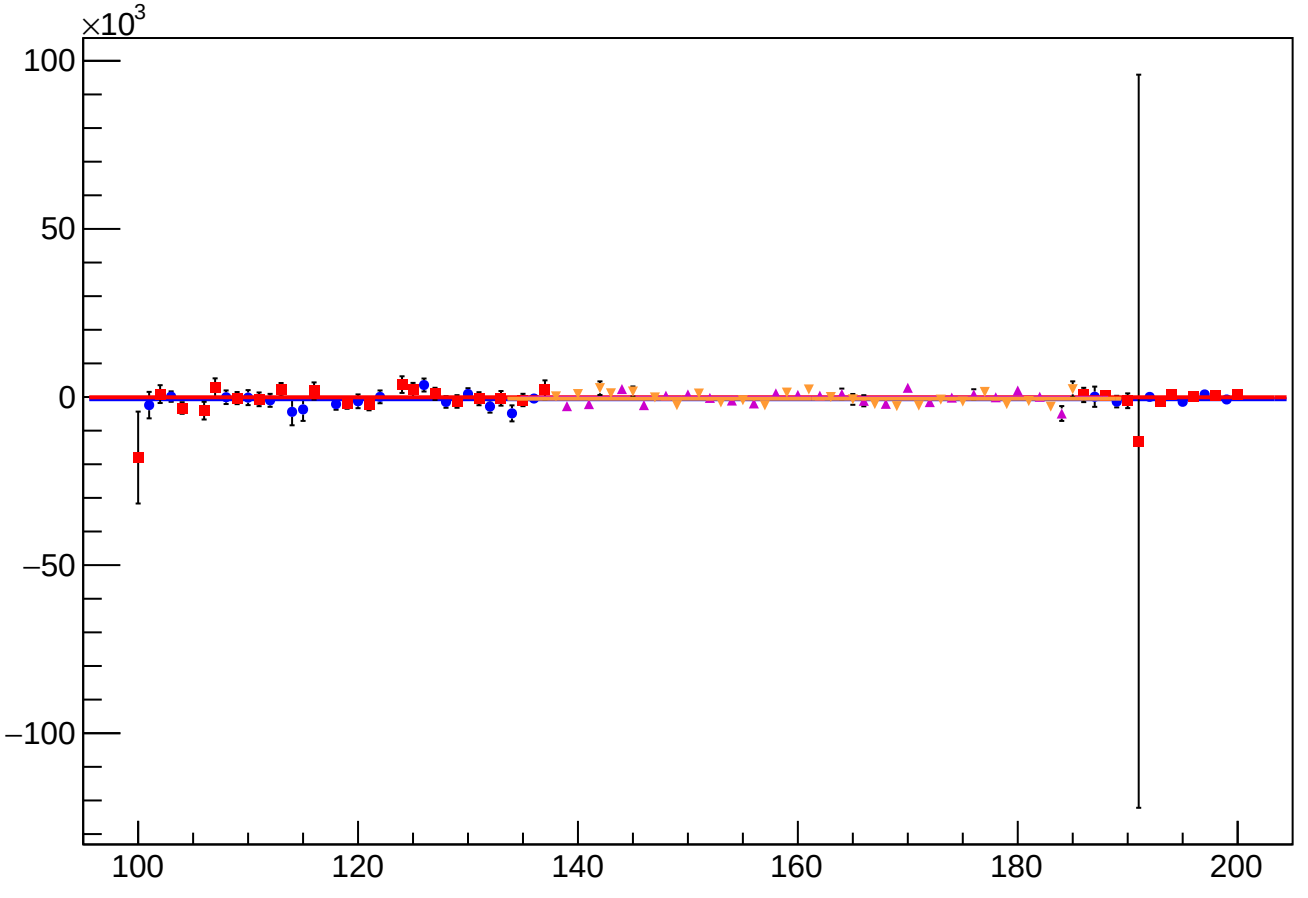
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 448.682+/-0.081 χ^2/NDF: 18514959.2/49

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

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

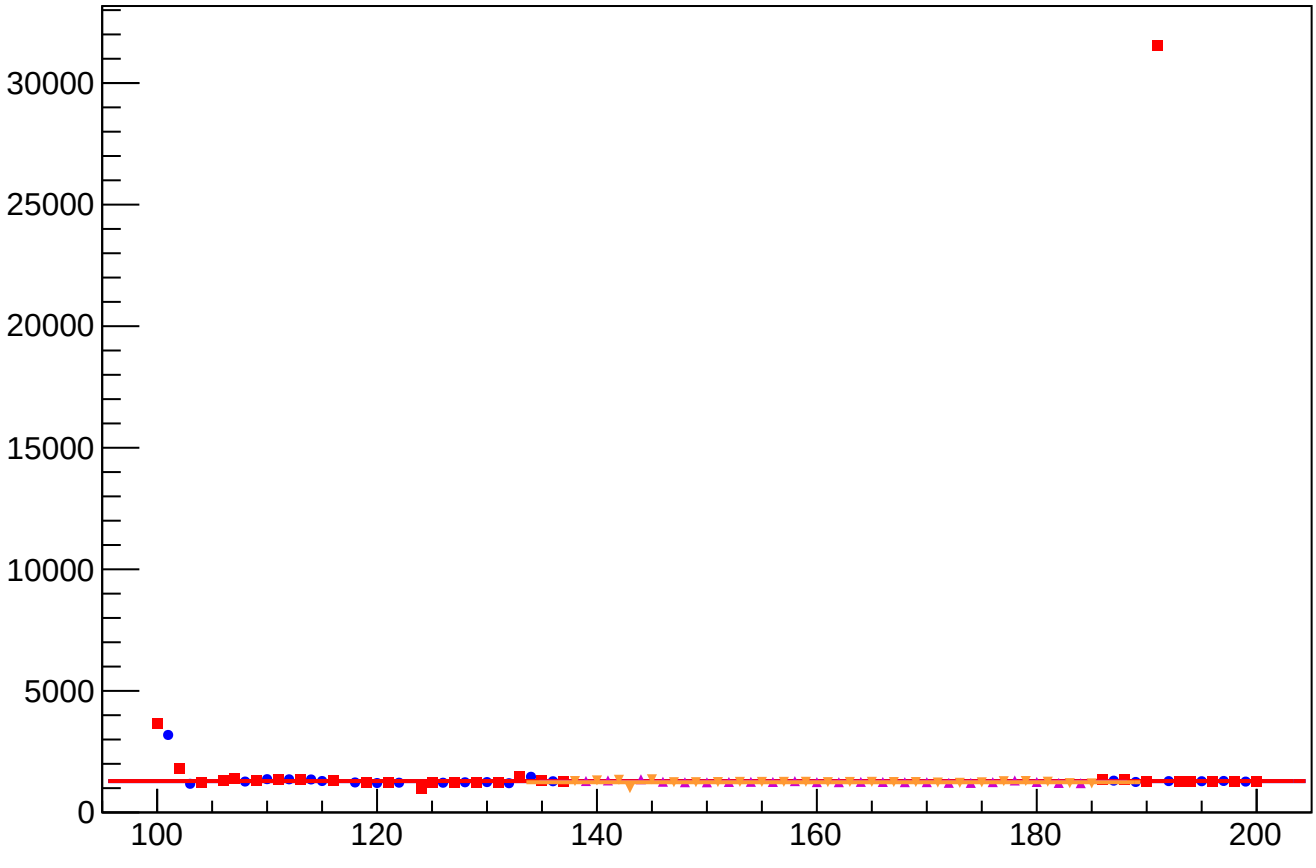
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -343.368+/-261.473 χ^2/NDF: 37.1/49

In: -393.302+/-233.546 χ^2/NDF:46.9/44

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -361.654+/-160.792 χ^2/NDF: 102.4/97



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

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

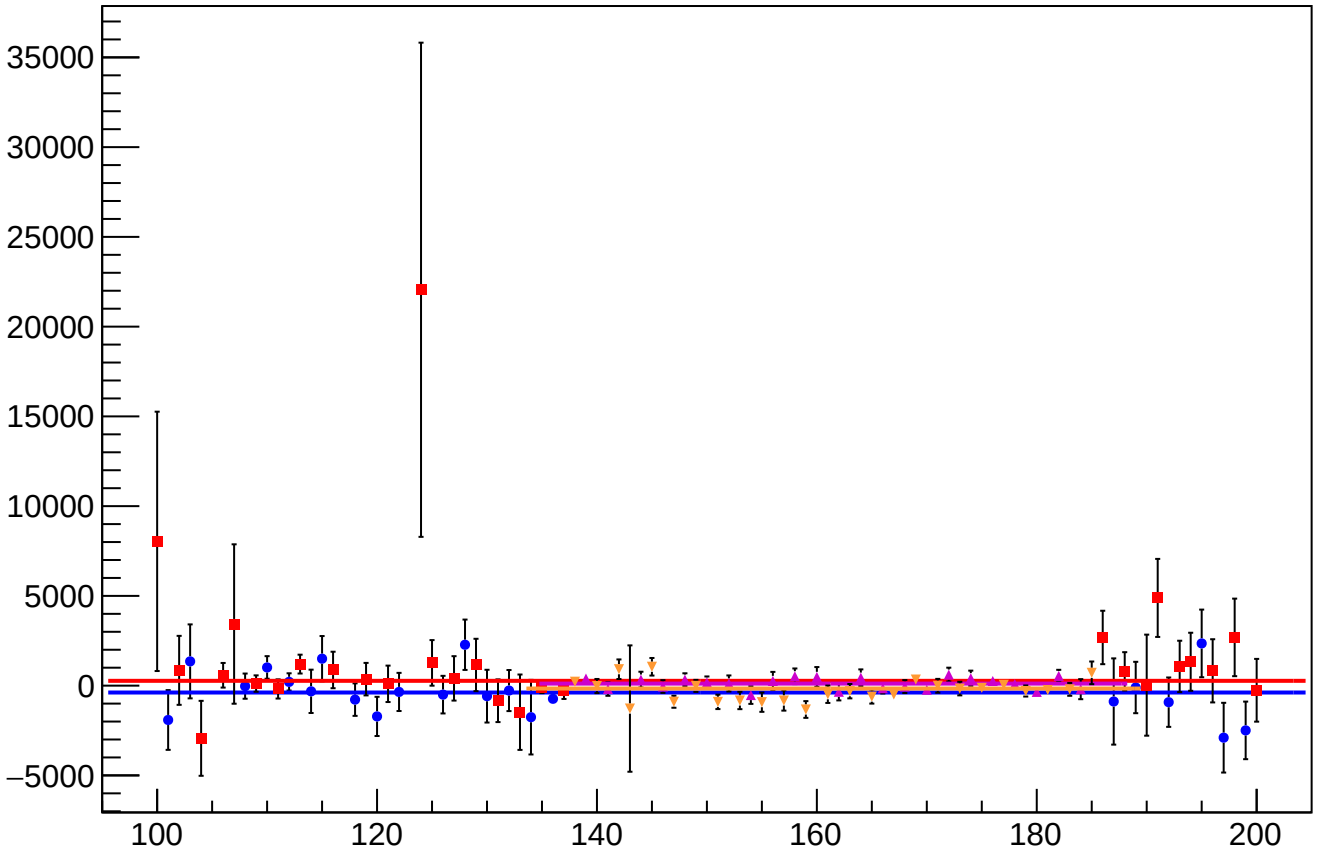
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1289.846+/-0.185 χ^2/NDF: 883446.7/49

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1261.373+/-0.157 χ^2/NDF:525576.3/52

All: 1265.667+/-0.114 χ^2/NDF: 1072603.5/97



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

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

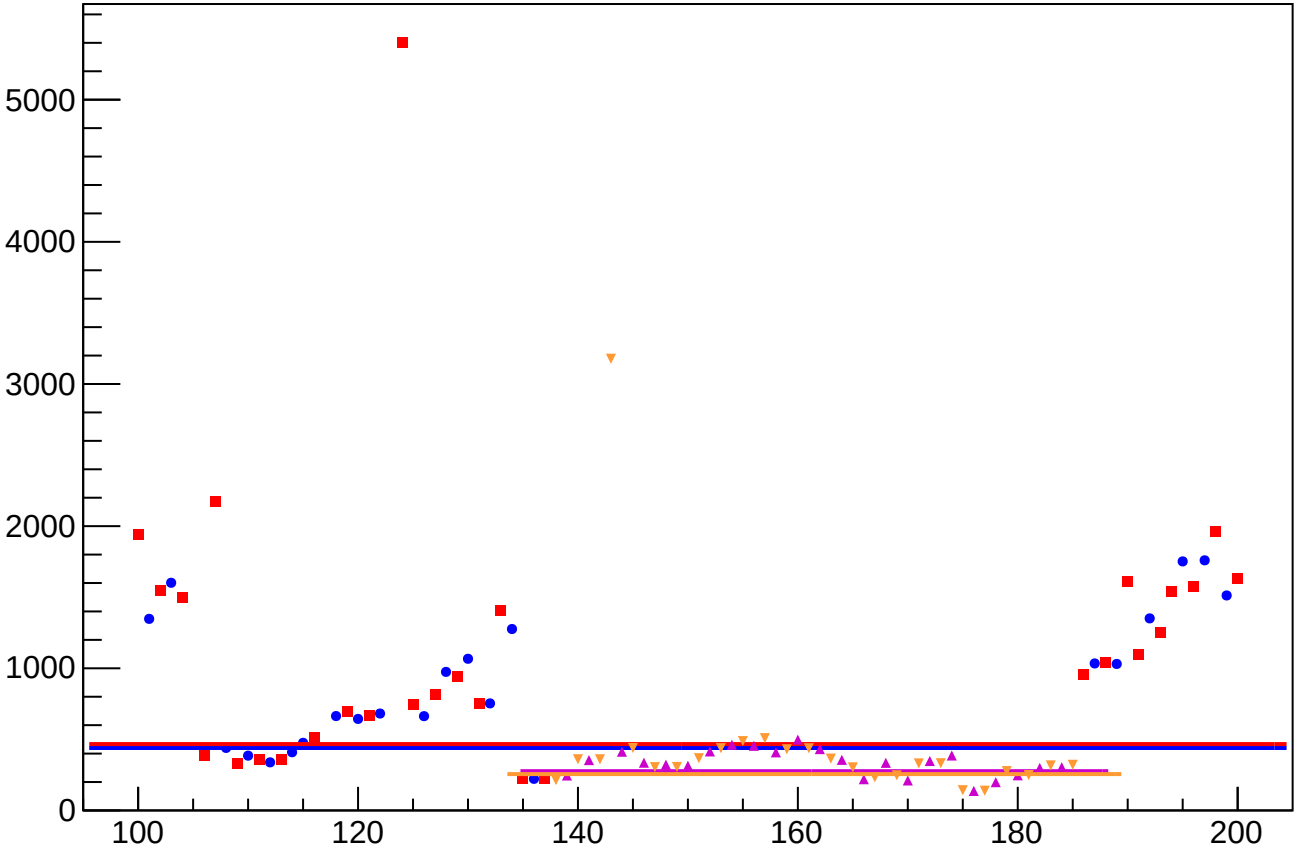
Right: -51.171+/-115.559 χ^2/NDF: 58.0/49

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.736+/-59.626 χ^2/NDF:75.7/52

All: -35.843+/-43.477 χ^2/NDF: 128.5/97

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

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

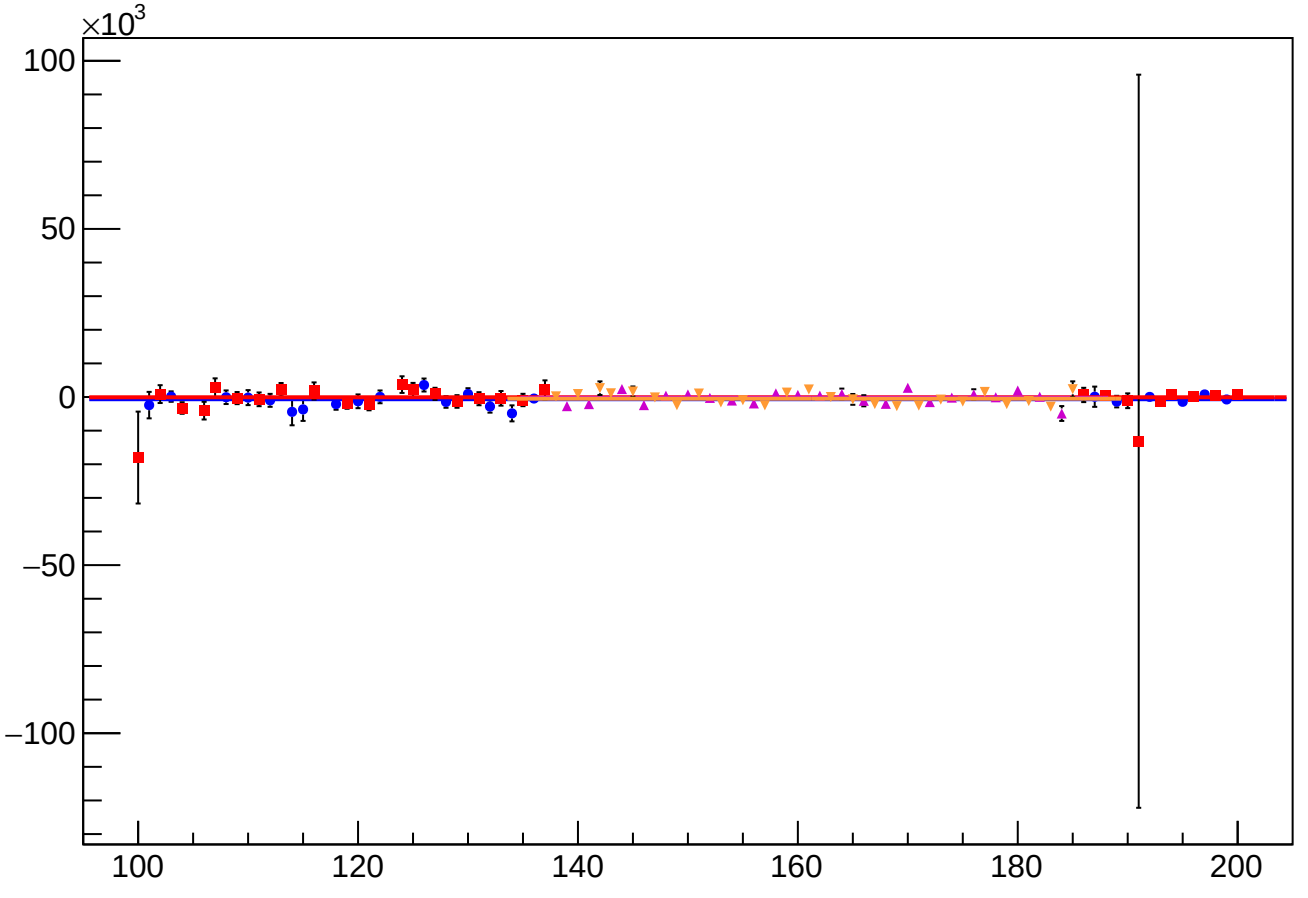
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 453.446+/-0.082 χ^2/NDF: 19166693.8/49

In: 300.488+/-0.045 χ^2/NDF:14375623.7/44

Out: 284.408+/-0.042 χ^2/NDF:19770330.2/52

All: 291.938+/-0.031 χ^2/NDF: 34214073.6/97



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

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

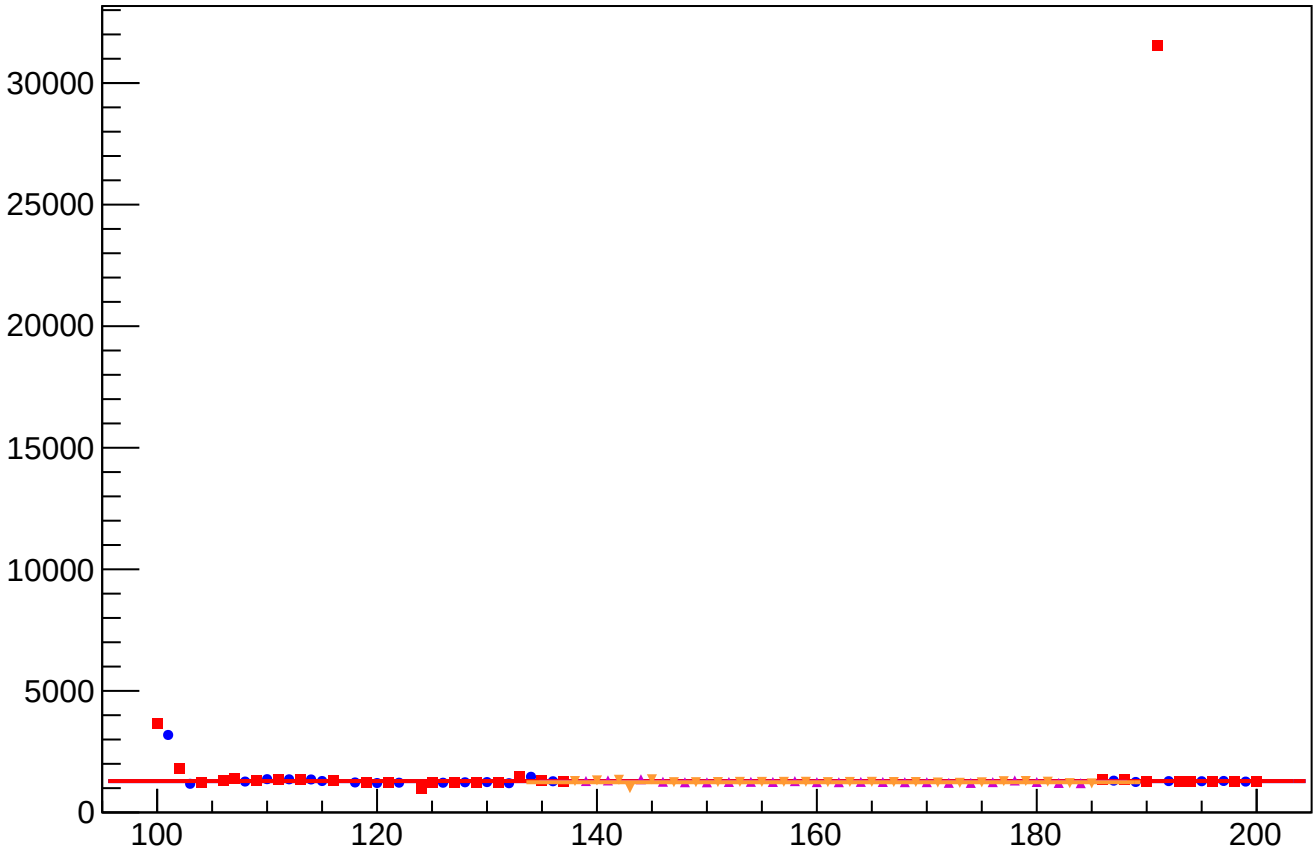
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -343.369+/-261.473 χ^2/NDF: 37.1/49

In: -393.303+/-233.546 χ^2/NDF:46.9/44

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -361.654+/-160.792 χ^2/NDF: 102.4/97



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

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

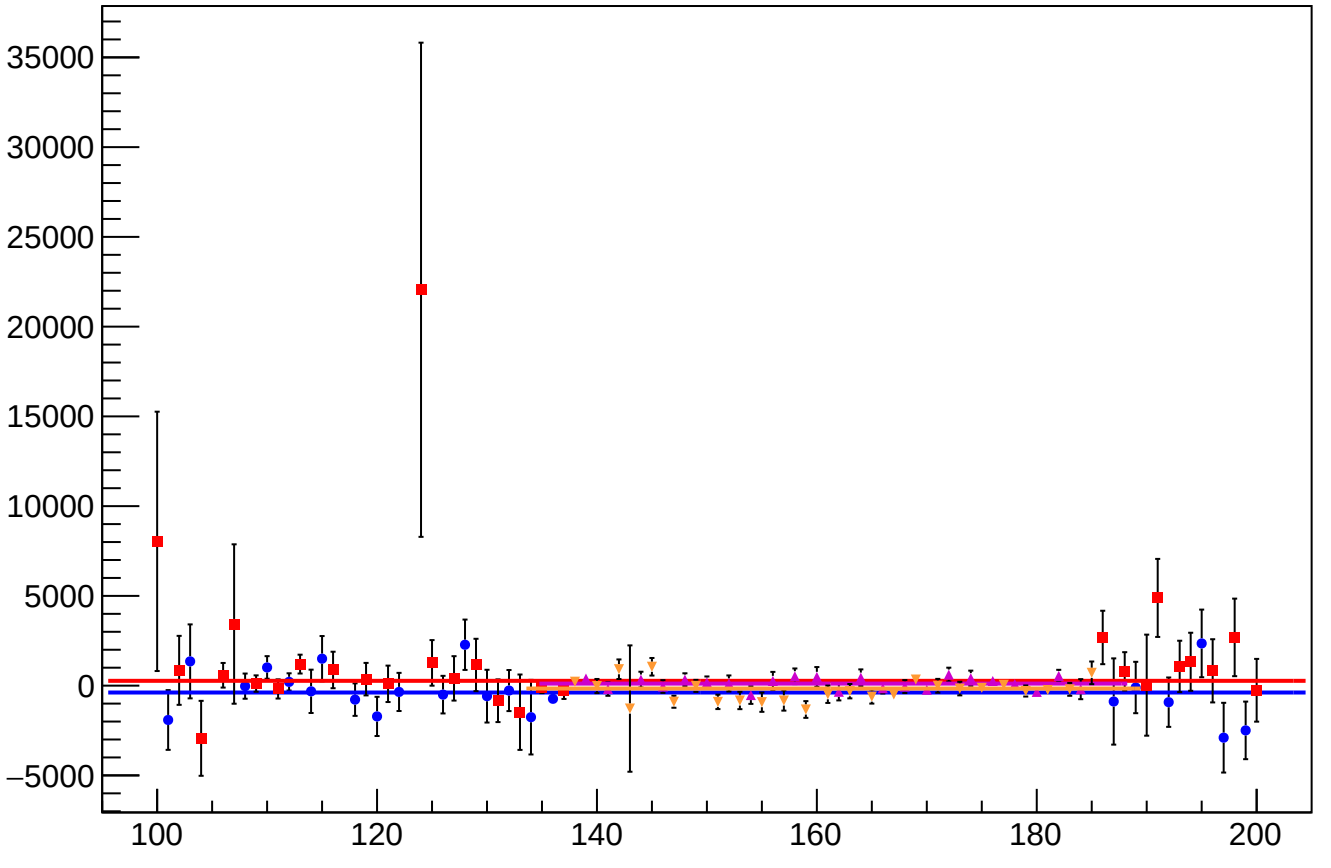
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1289.846+/-0.185 χ^2/NDF: 883446.9/49

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1261.373+/-0.157 χ^2/NDF:525575.7/52

All: 1265.667+/-0.114 χ^2/NDF: 1072602.9/97



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

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

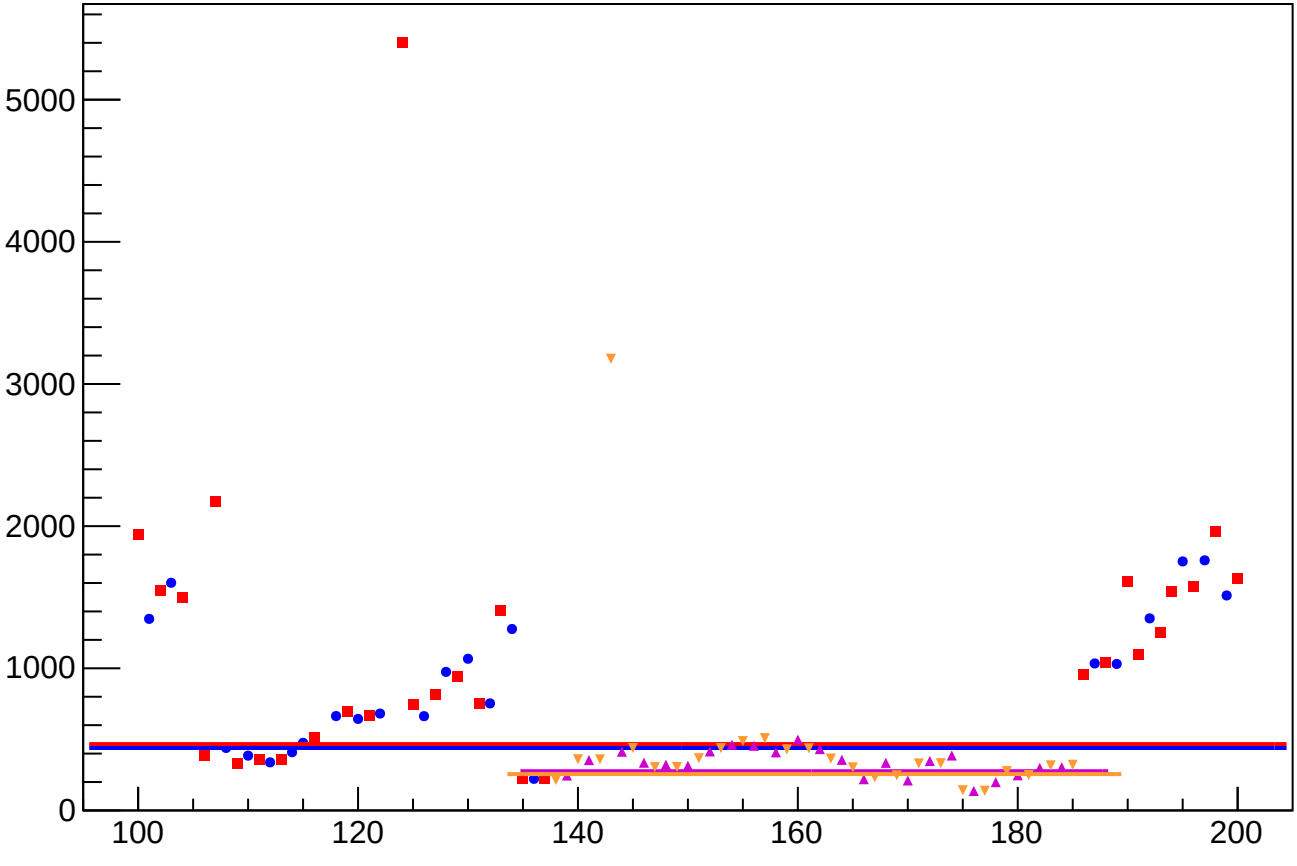
Right: -51.166+/-115.561 χ^2/NDF: 58.0/49

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.739+/-59.626 χ^2/NDF:75.7/52

All: -35.844+/-43.477 χ^2/NDF: 128.5/97

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

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

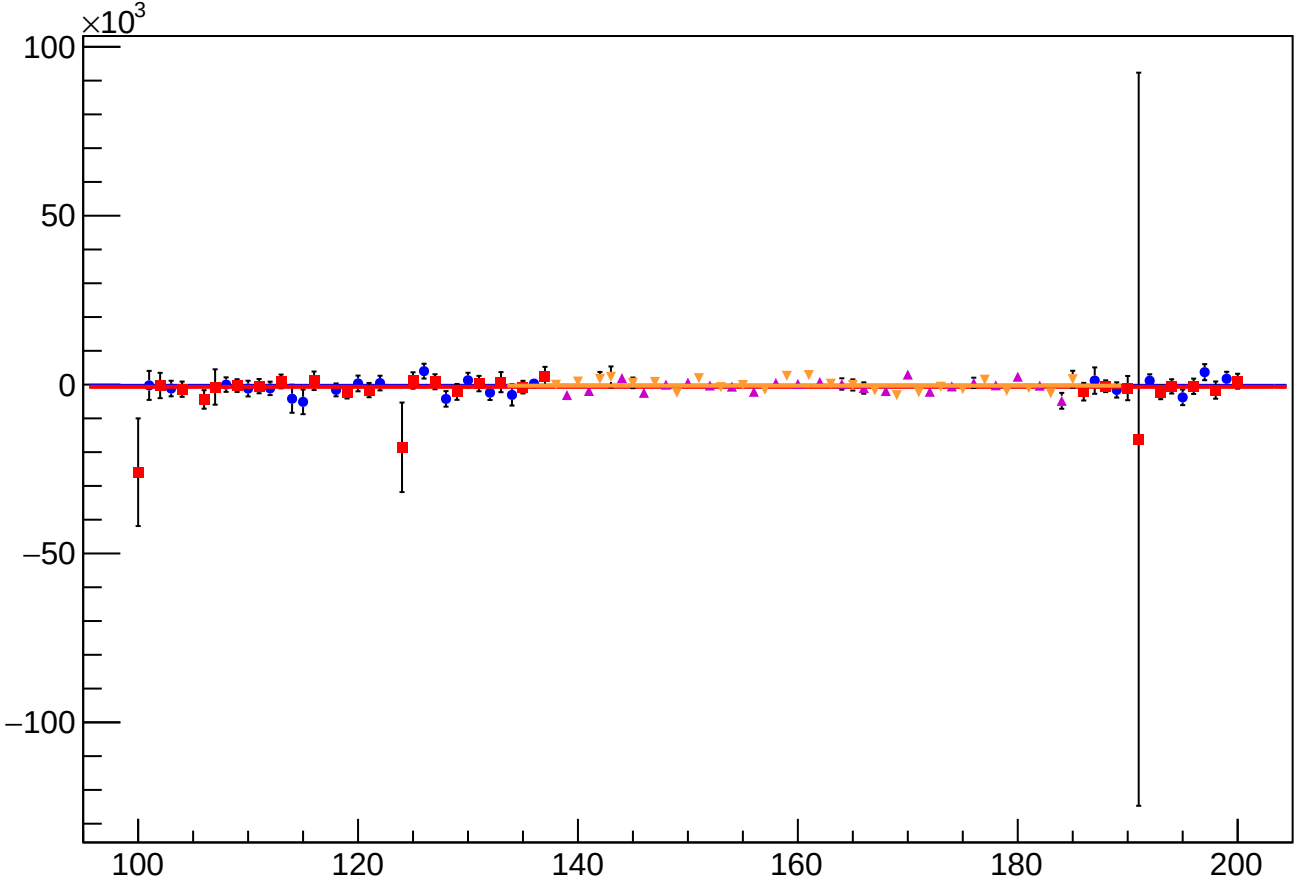
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 453.456+/-0.082 χ^2/NDF: 19166181.5/49

In: 300.489+/-0.045 χ^2/NDF:14375489.6/44

Out: 284.410+/-0.042 χ^2/NDF:19770146.0/52

All: 291.940+/-0.031 χ^2/NDF: 34213750.9/97



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

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

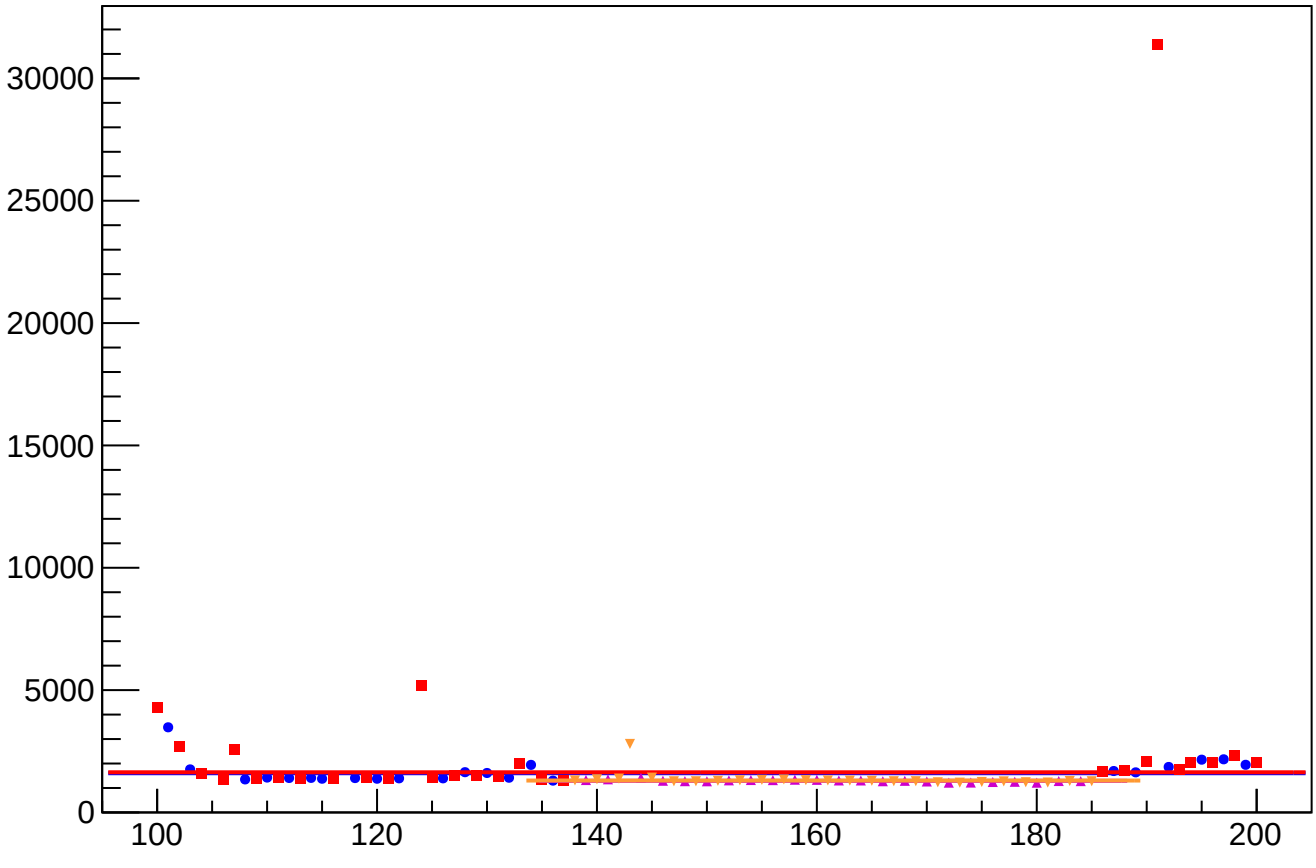
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -524.584+/-333.917 χ^2/NDF: 33.2/49

In: -359.376+/-256.055 χ^2/NDF:49.6/44

Out: -422.372+/-250.563 χ^2/NDF:45.0/52

All: -391.556+/-179.085 χ^2/NDF: 94.6/97



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

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

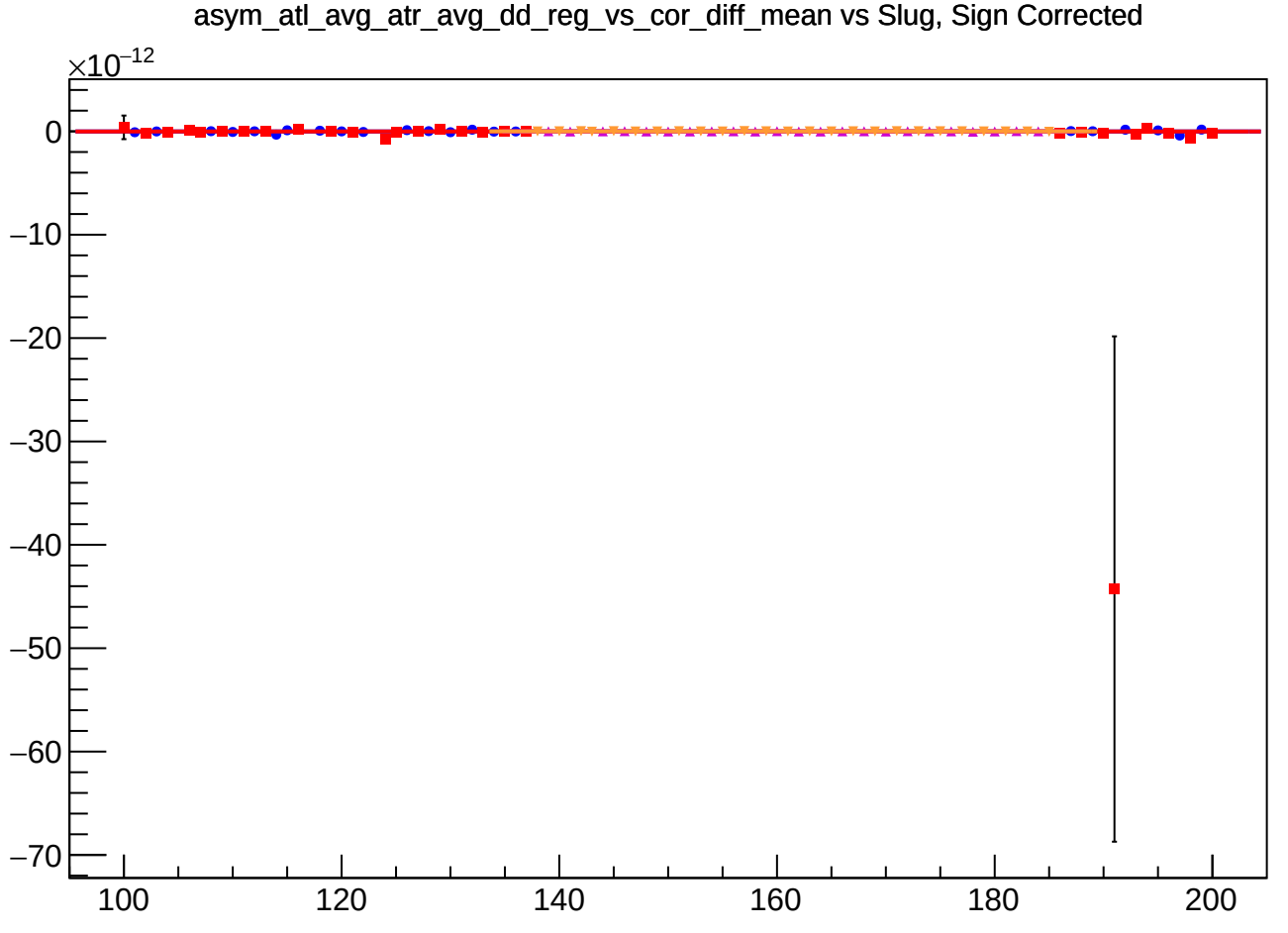
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1623.420+/-0.236 χ^2/NDF: 2299697.6/49

In: 1379.422+/-0.181 χ^2/NDF:1639062.9/44

Out: 1403.562+/-0.177 χ^2/NDF:2572499.3/52

All: 1391.754+/-0.127 χ^2/NDF: 4220642.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

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

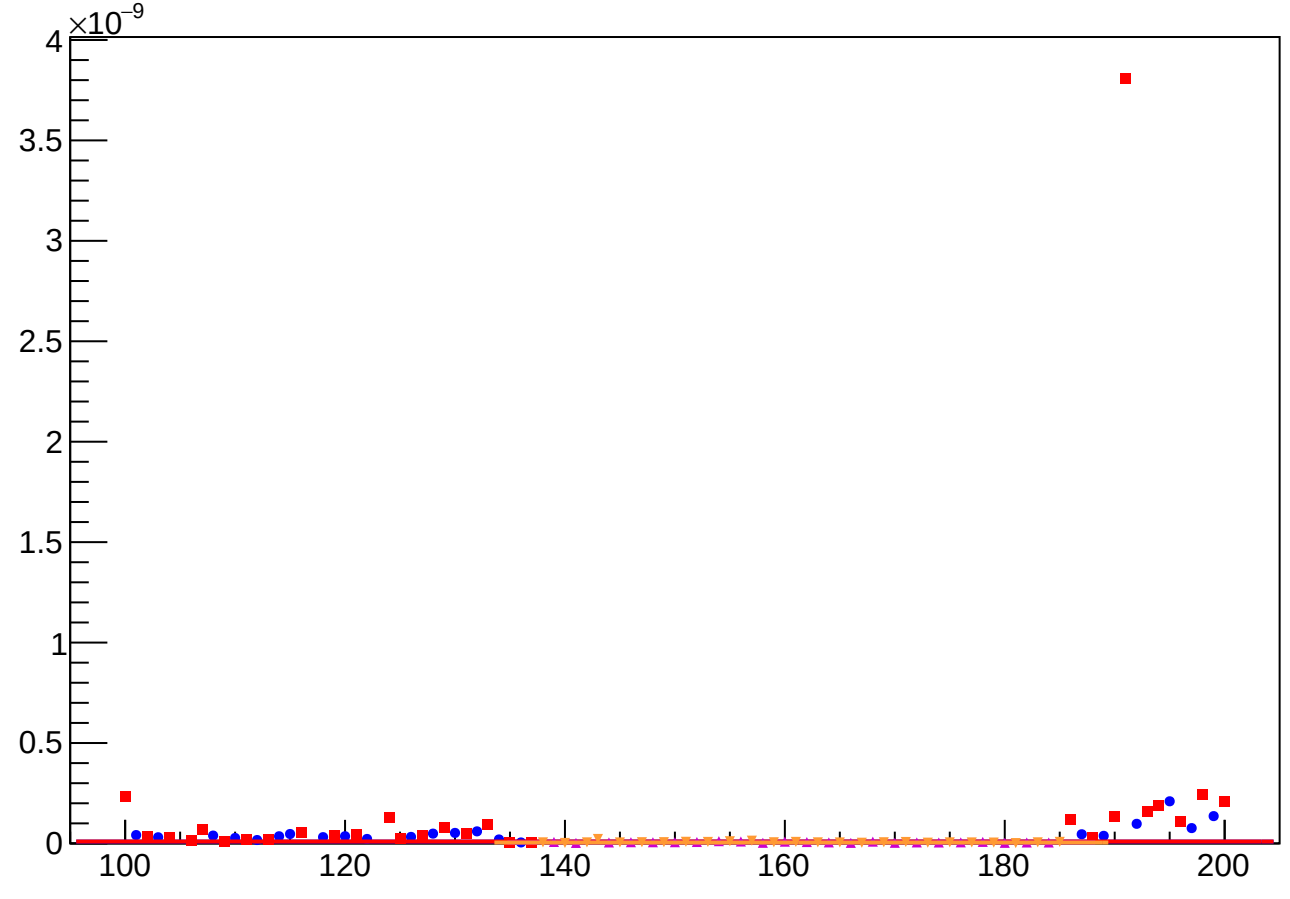
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.6/49

In: -0.000+/-0.000 χ^2/NDF:47.5/44

Out: -0.000+/-0.000 χ^2/NDF:62.9/52

All: -0.000+/-0.000 χ^2/NDF: 110.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

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

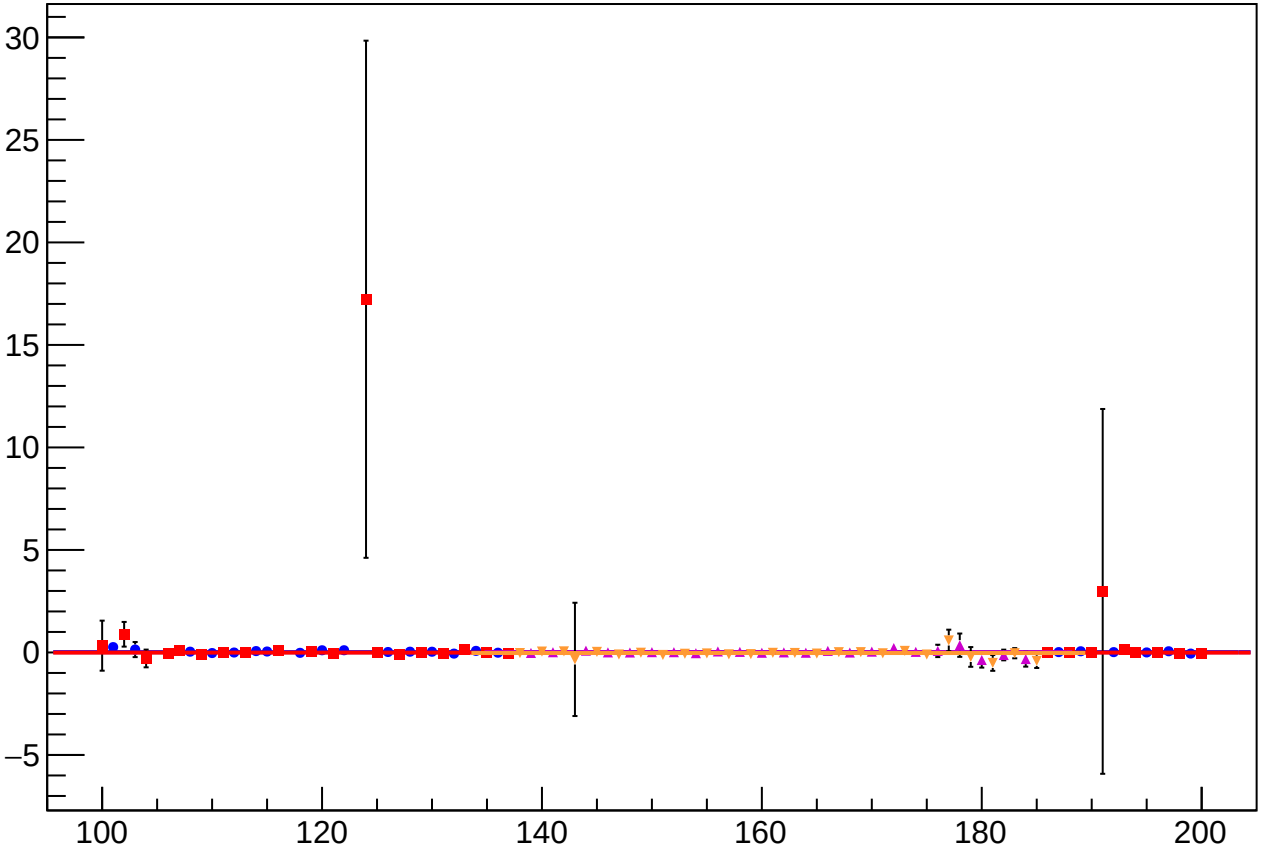
Right: 0.000+/-0.000 χ^2/NDF: 13218451.8/49

In: 0.000+/-0.000 χ^2/NDF:7942413.6/44

Out: 0.000+/-0.000 χ^2/NDF:11332367.6/52

All: 0.000+/-0.000 χ^2/NDF: 19300491.7/97

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

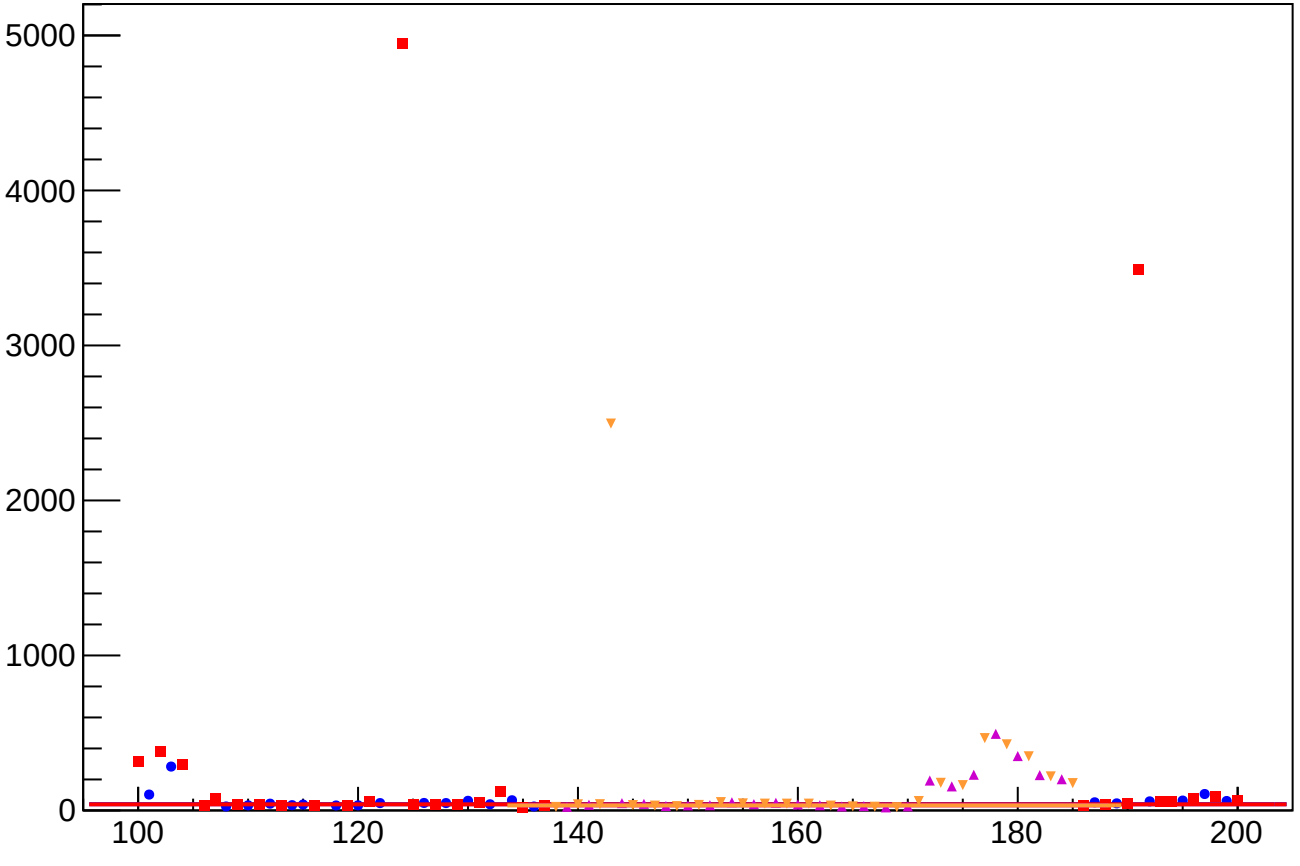
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

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

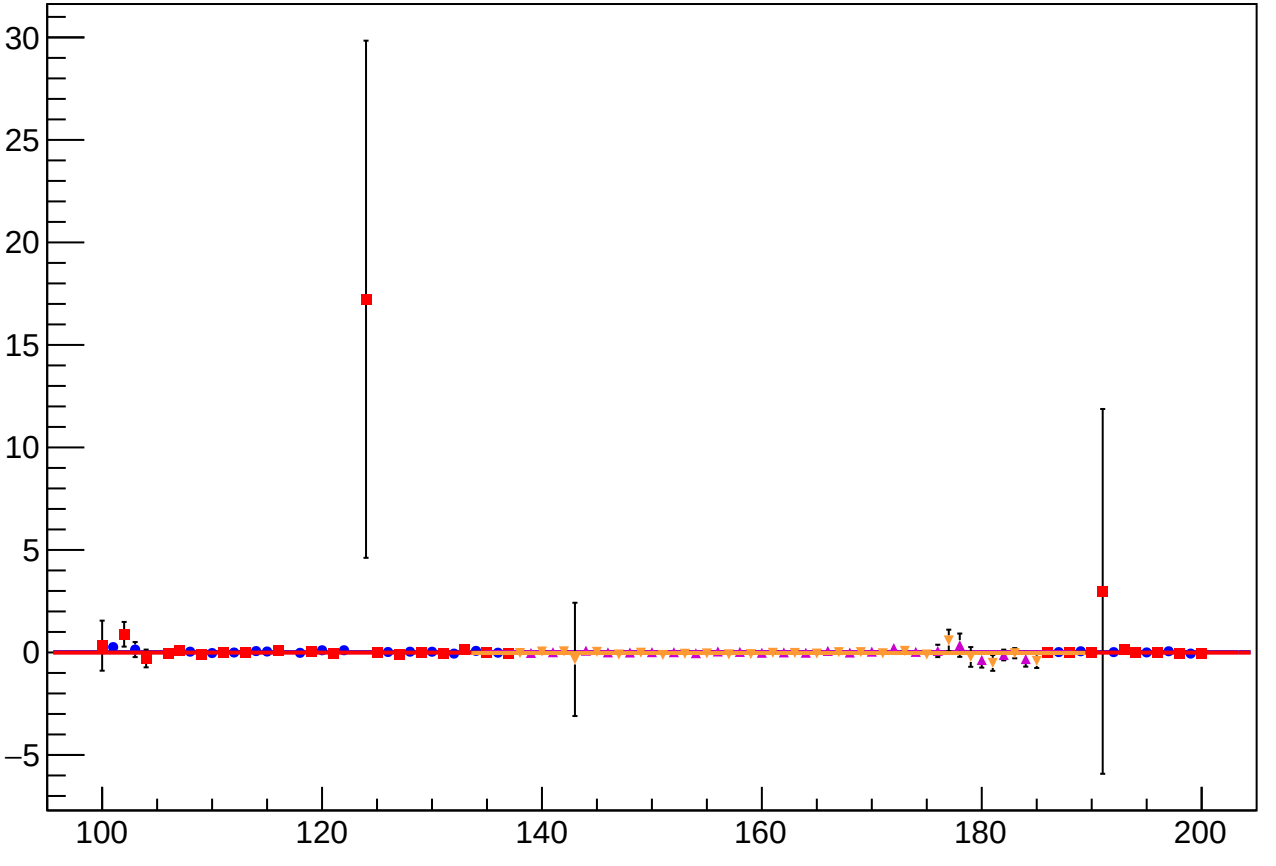
Right: 39.897+/-0.007 χ^2/NDF: 8587275.5/49

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

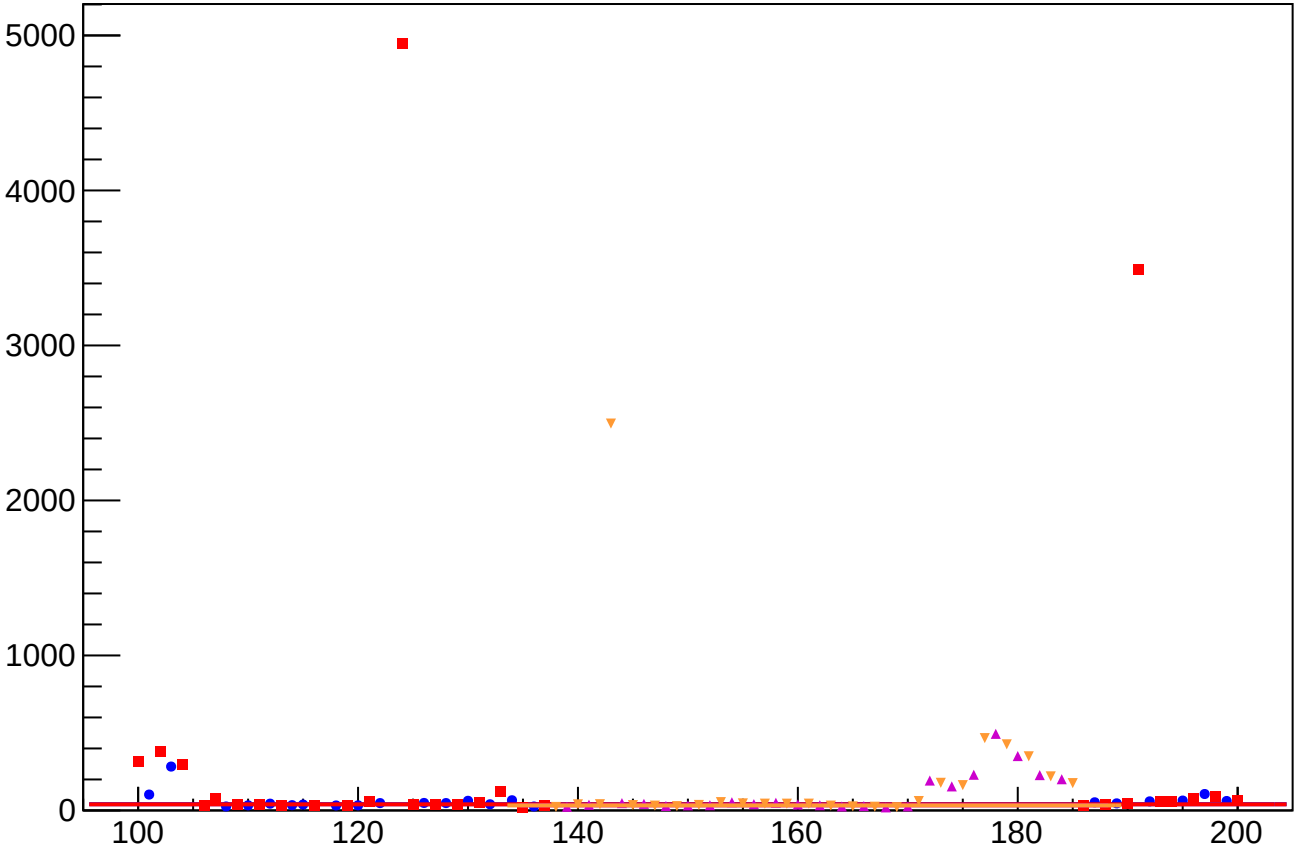
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

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

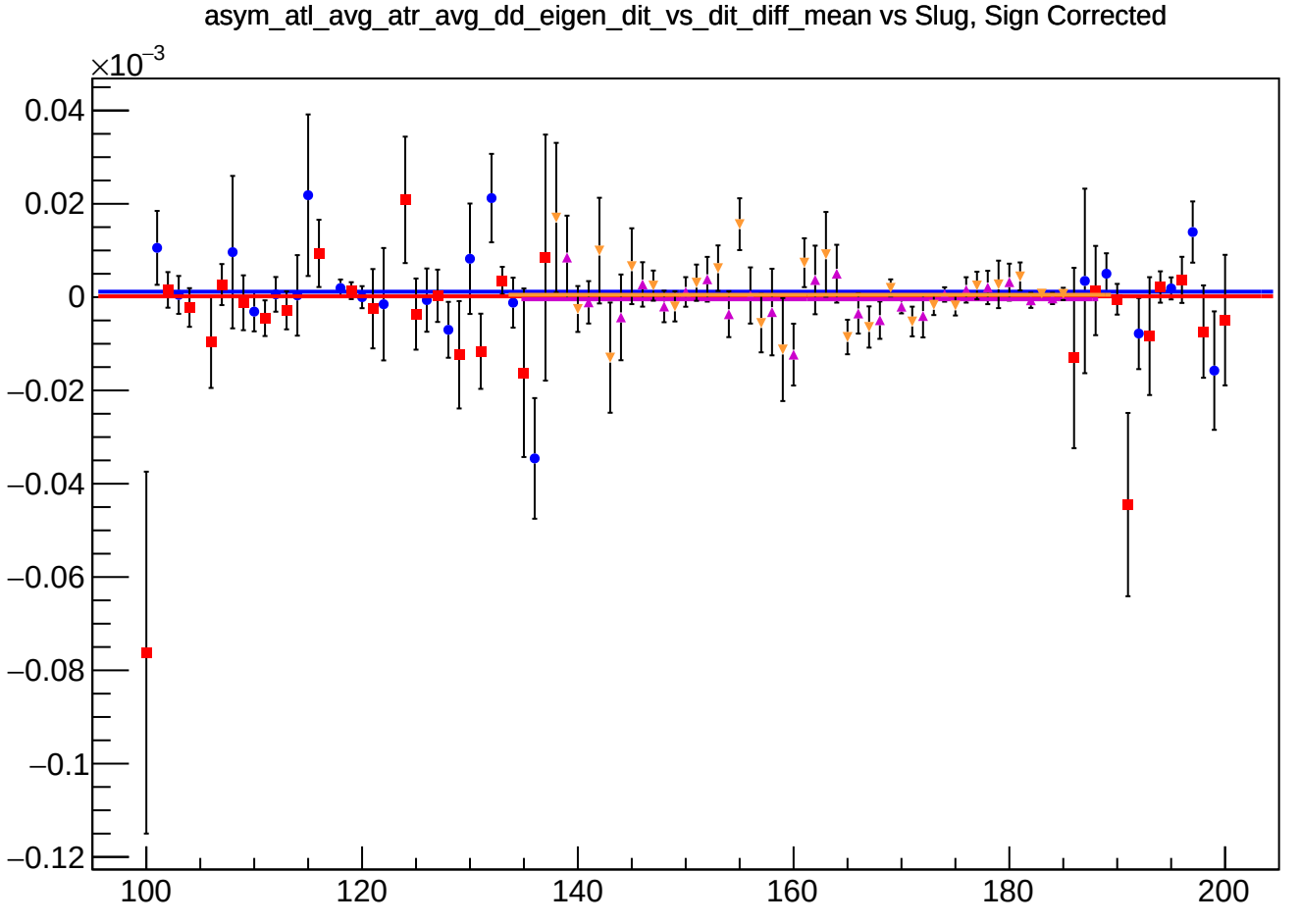
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 39.897+/-0.007 χ^2/NDF: 8587275.5/49

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

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

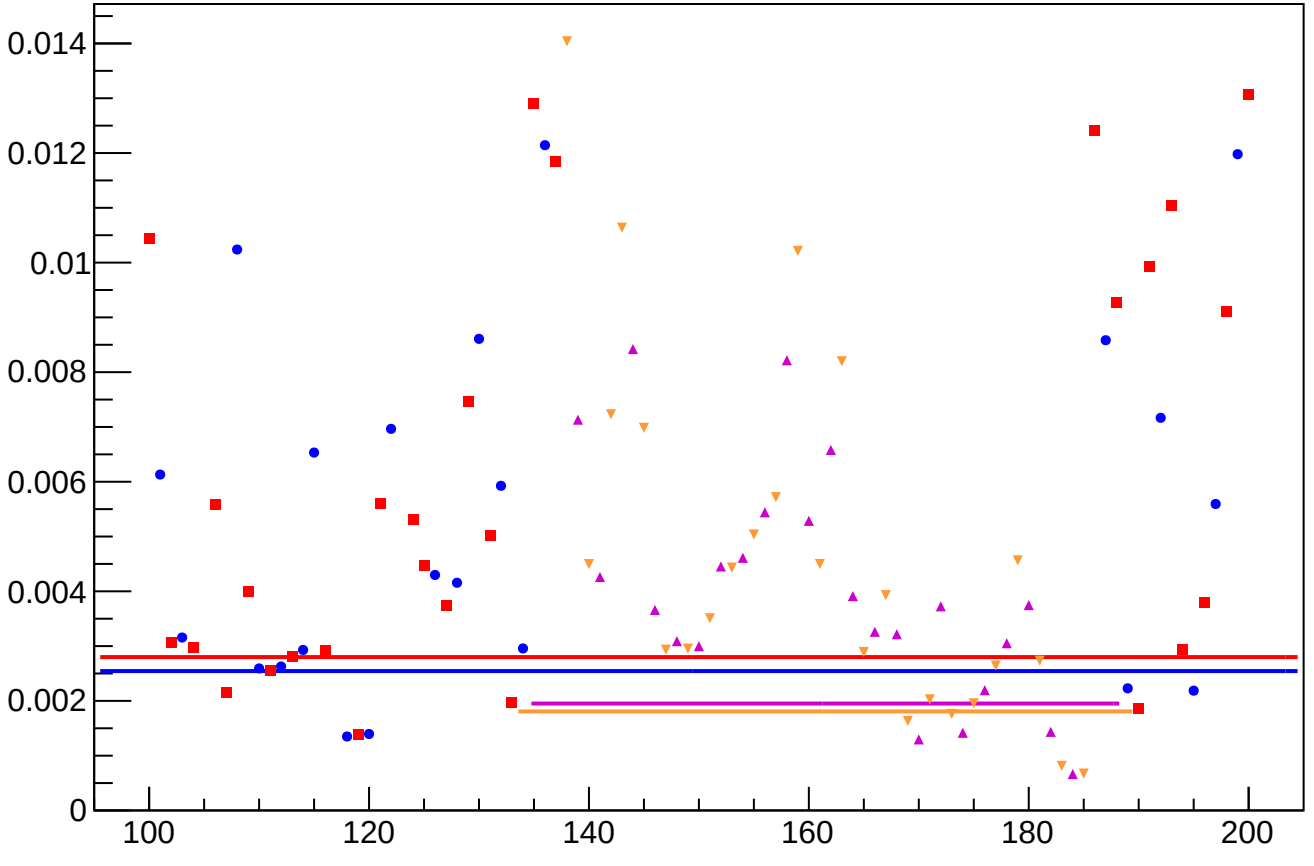
Right: 0.000+/-0.000 χ^2/NDF: 53.5/49

In: -0.000+/-0.000 χ^2/NDF:42.9/44

Out: 0.000+/-0.000 χ^2/NDF:61.6/52

All: 0.000+/-0.000 χ^2/NDF: 104.9/97

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: 7285883.4/21

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

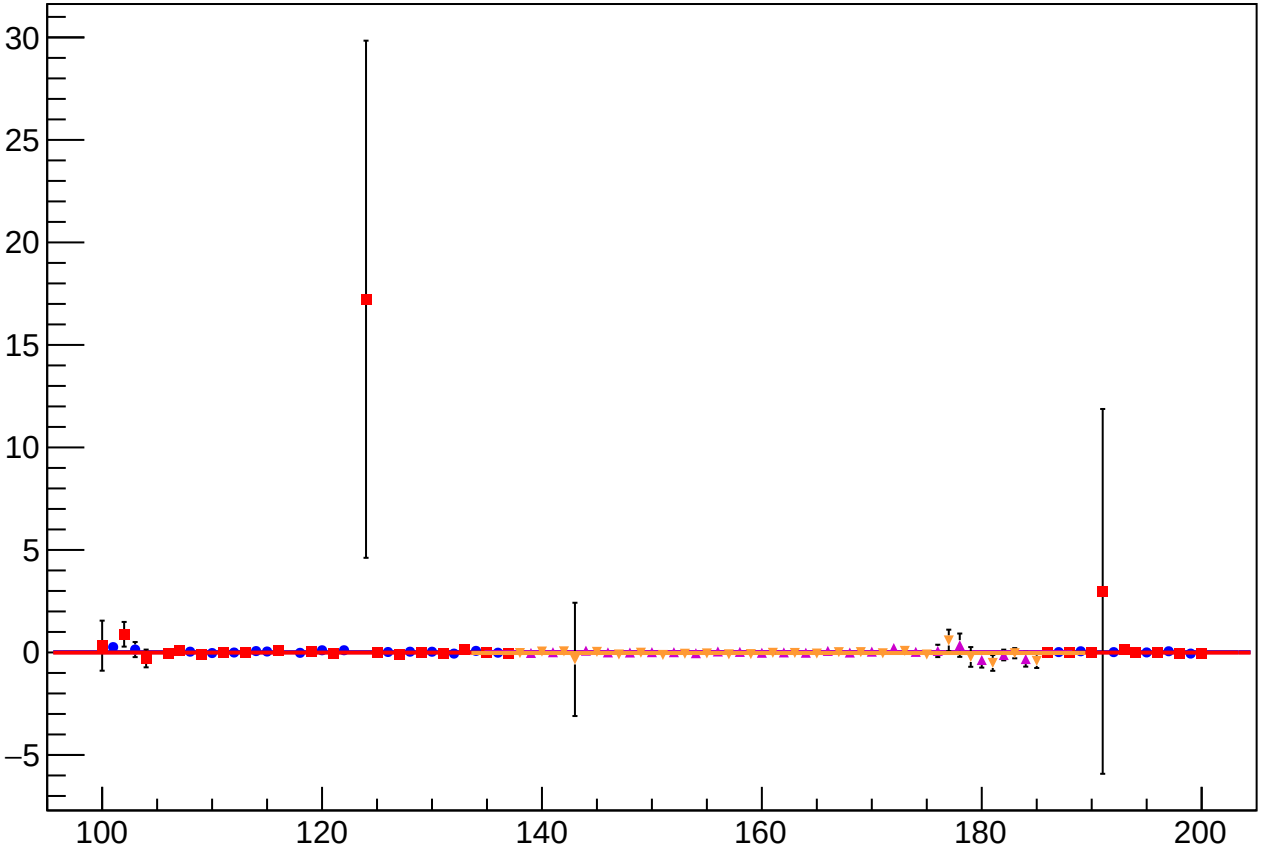
Right: 0.003+/-0.000 χ^2/NDF: 15558605.1/49

In: 0.002+/-0.000 χ^2/NDF:19322712.1/44

Out: 0.002+/-0.000 χ^2/NDF:24817116.0/52

All: 0.002+/-0.000 χ^2/NDF: 44152489.6/97

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

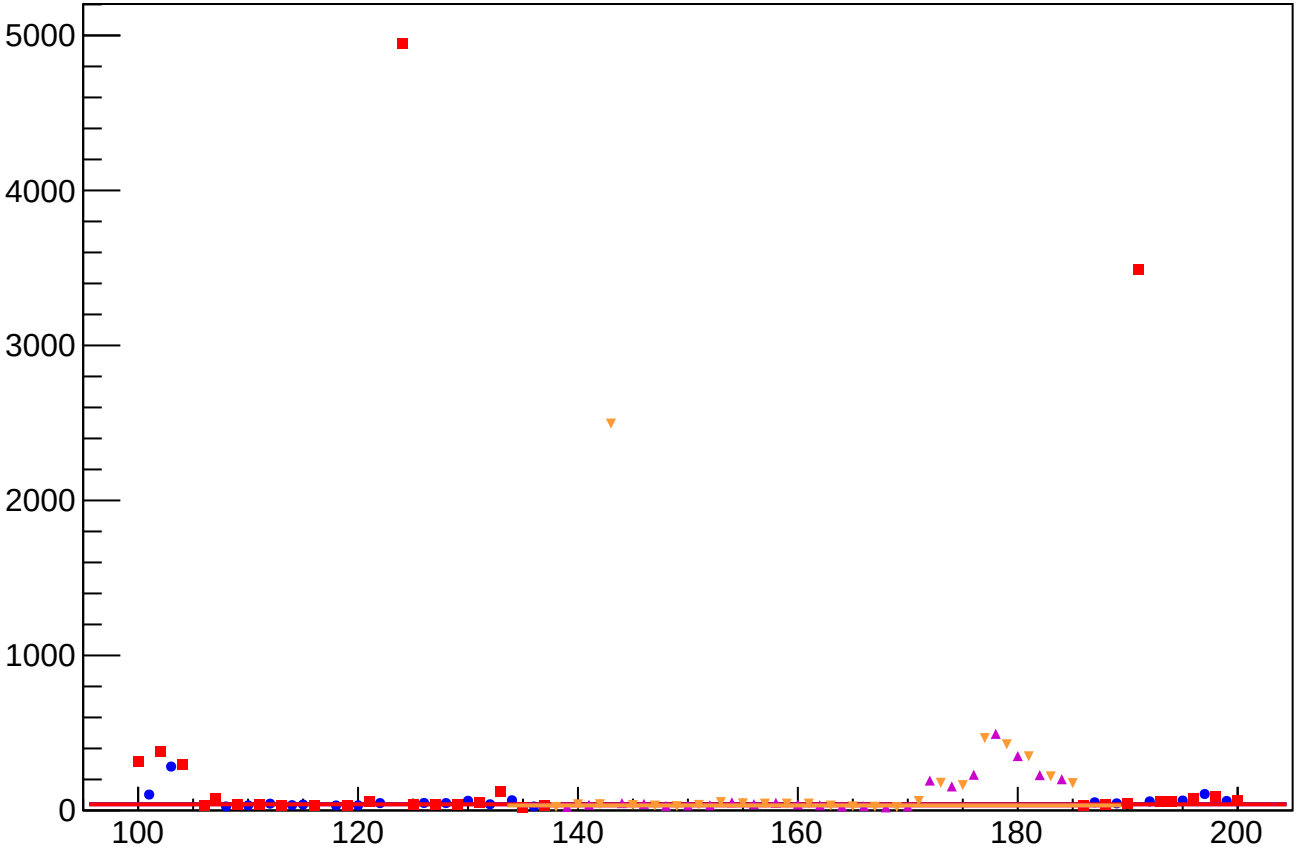
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

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

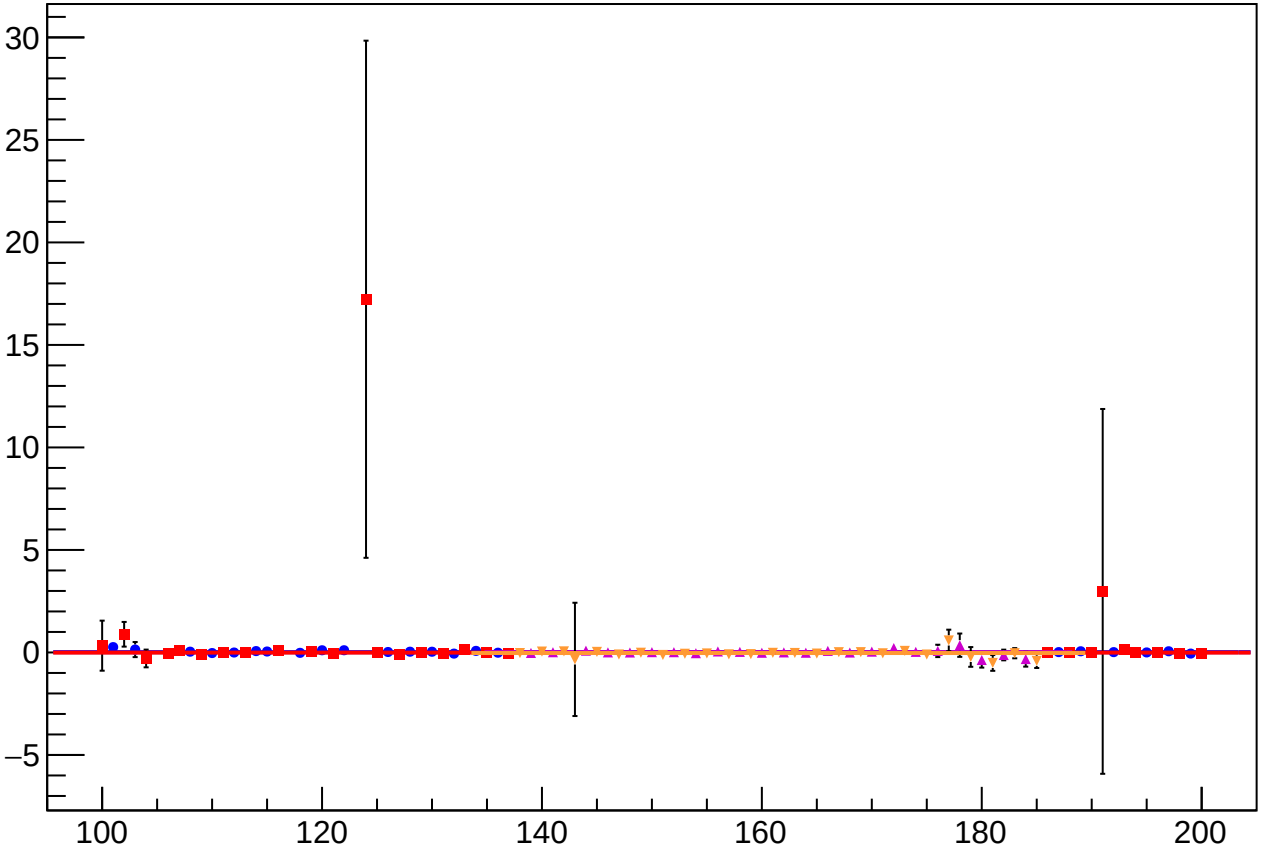
Right: 39.898+/-0.007 χ^2/NDF: 8586648.0/49

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

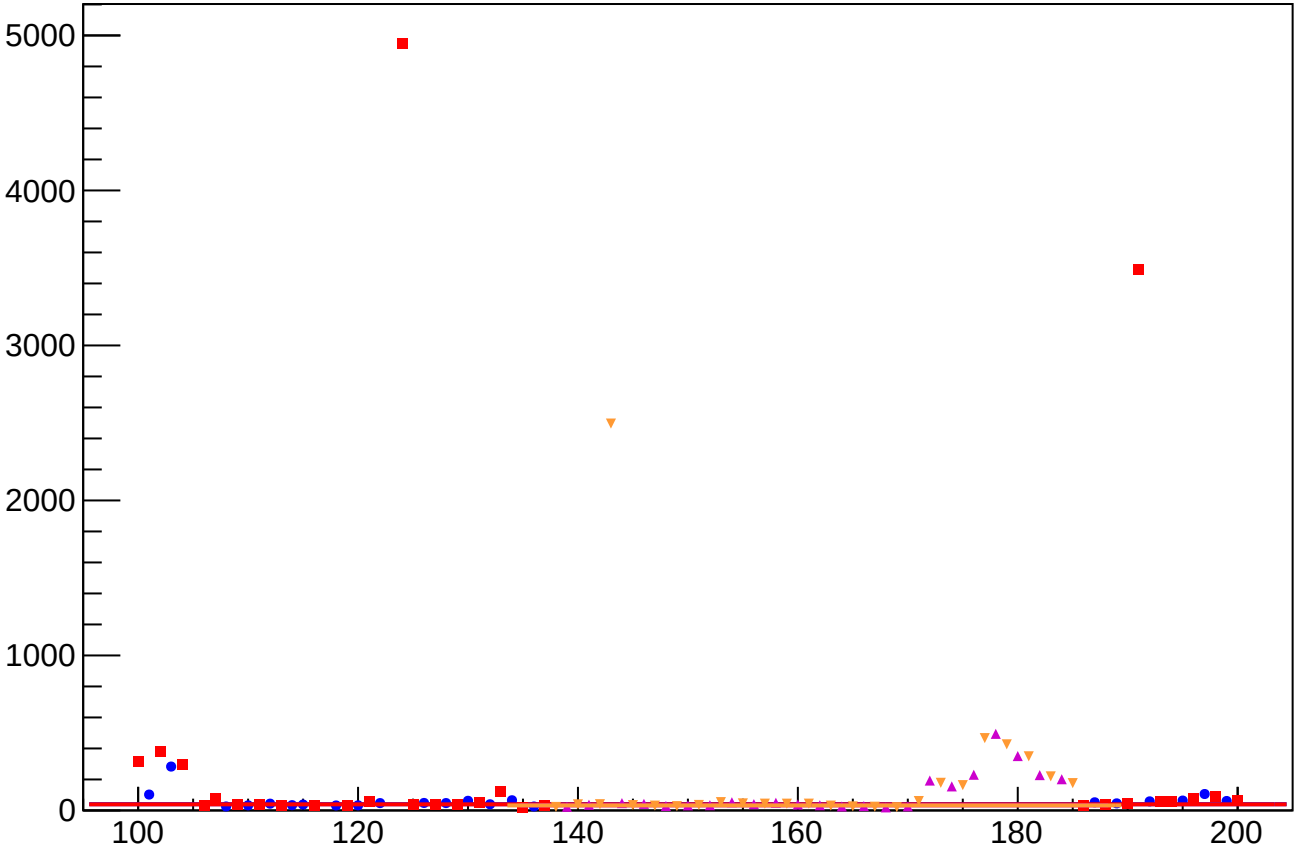
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

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

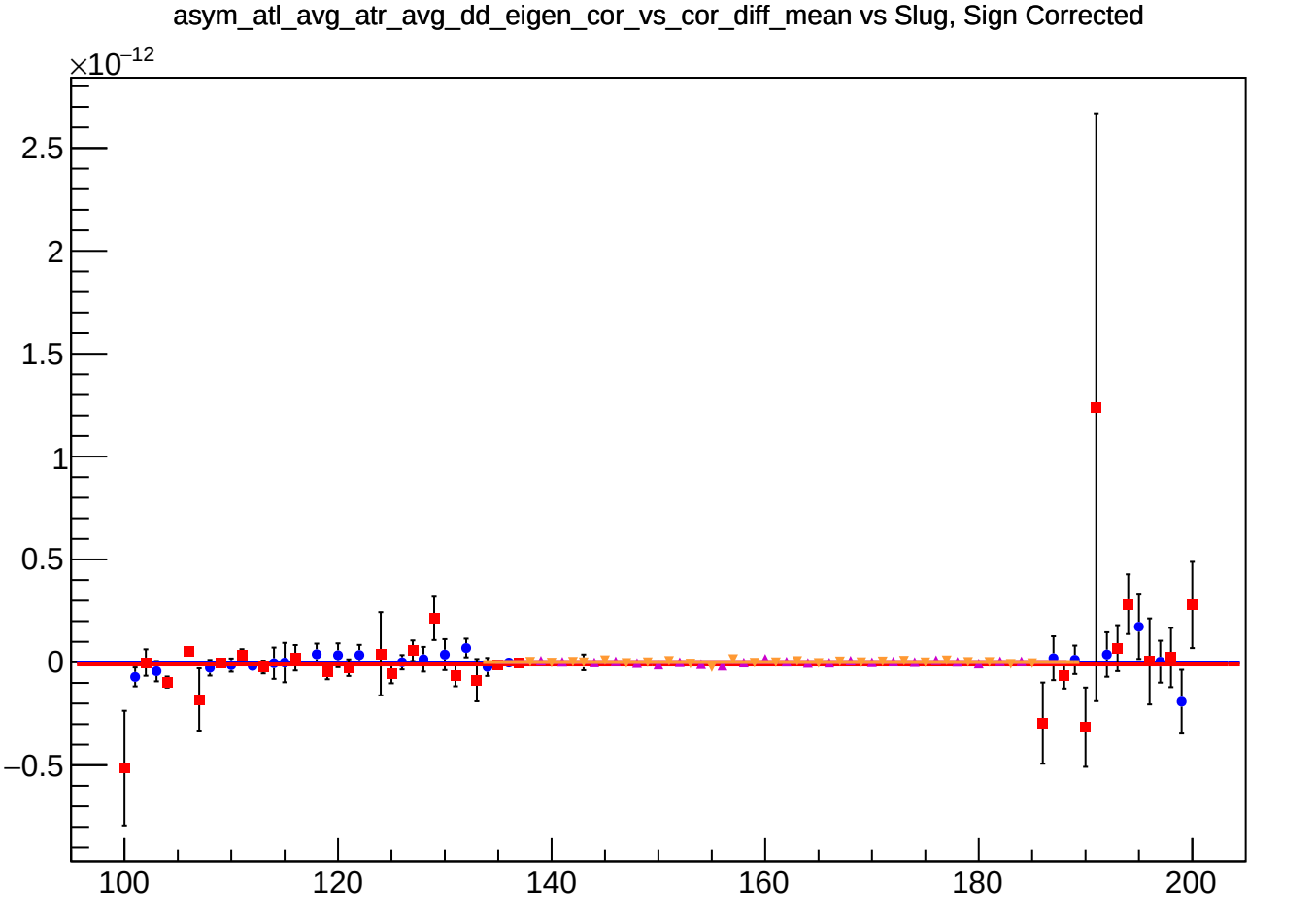
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.898+/-0.007 χ^2/NDF: 8586648.0/49

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

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

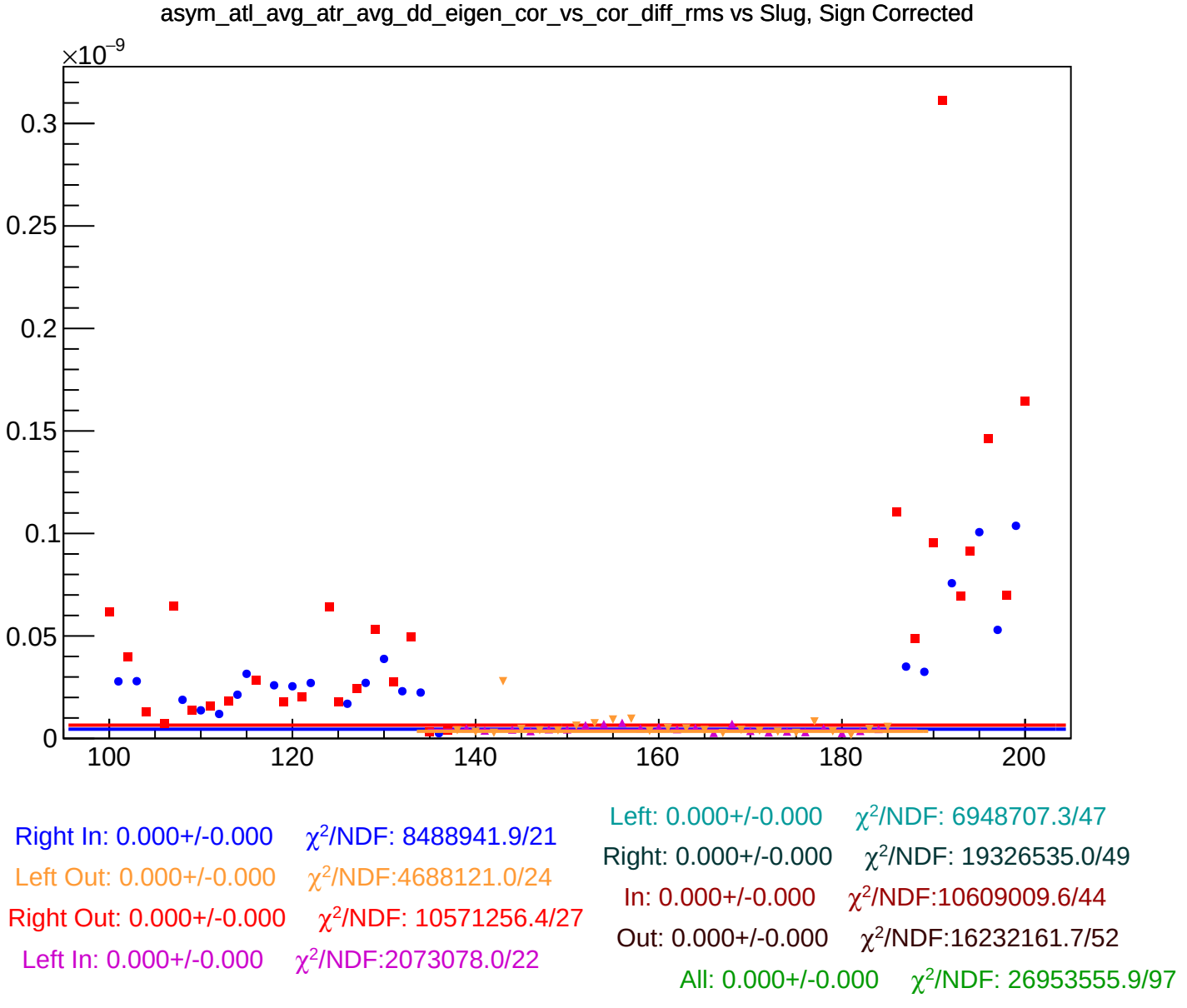
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

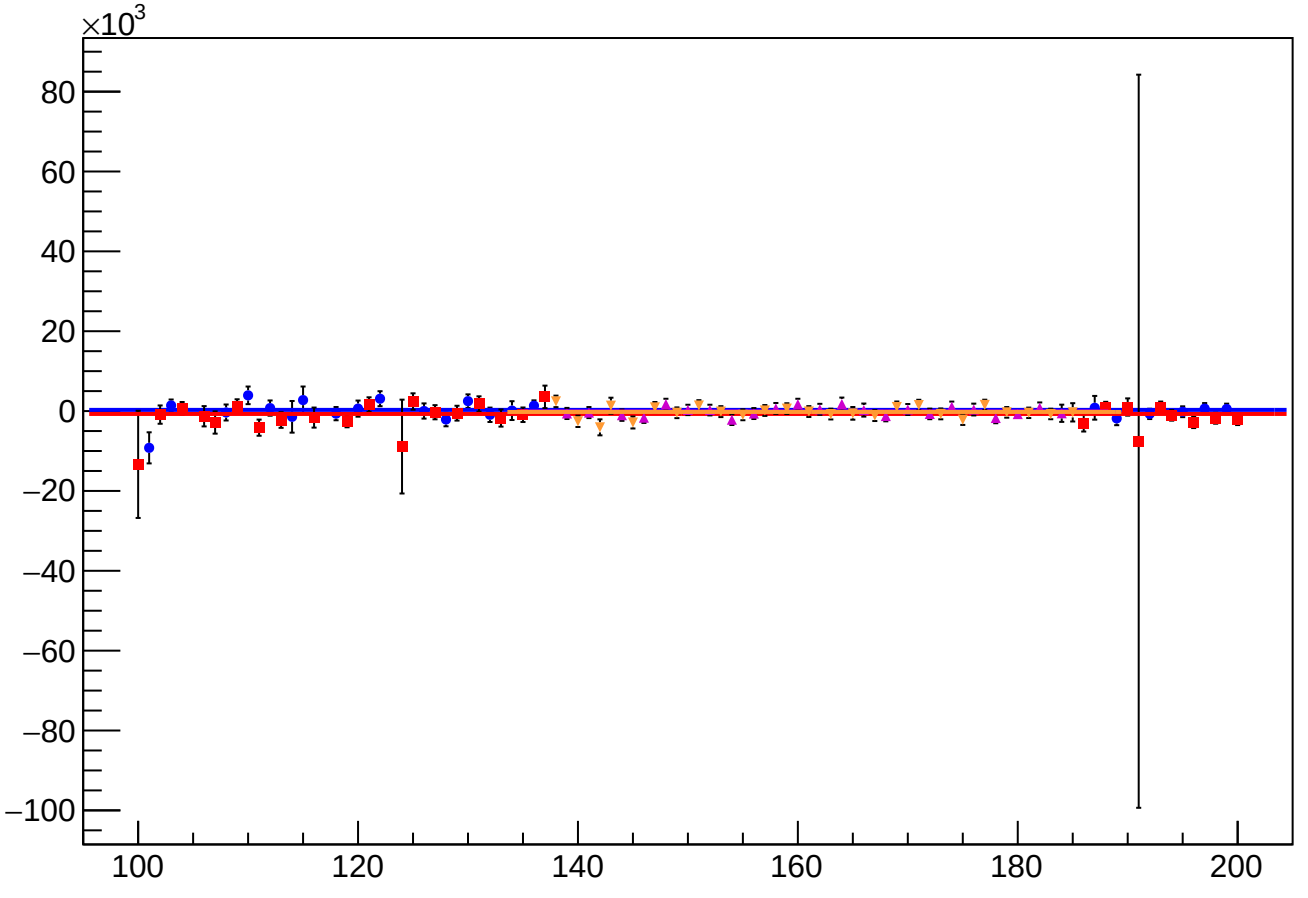
Right: -0.000+/-0.000 χ^2/NDF: 66.9/49

In: 0.000+/-0.000 χ^2/NDF:40.7/44

Out: 0.000+/-0.000 χ^2/NDF:78.1/52

All: 0.000+/-0.000 χ^2/NDF: 118.8/97


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: 8488941.9/21
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: 19326535.0/49
In: 0.000+/-0.000 χ²/NDF:10609009.6/44
Out: 0.000+/-0.000 χ²/NDF:16232161.7/52
All: 0.000+/-0.000 χ²/NDF: 26953555.9/97



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

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

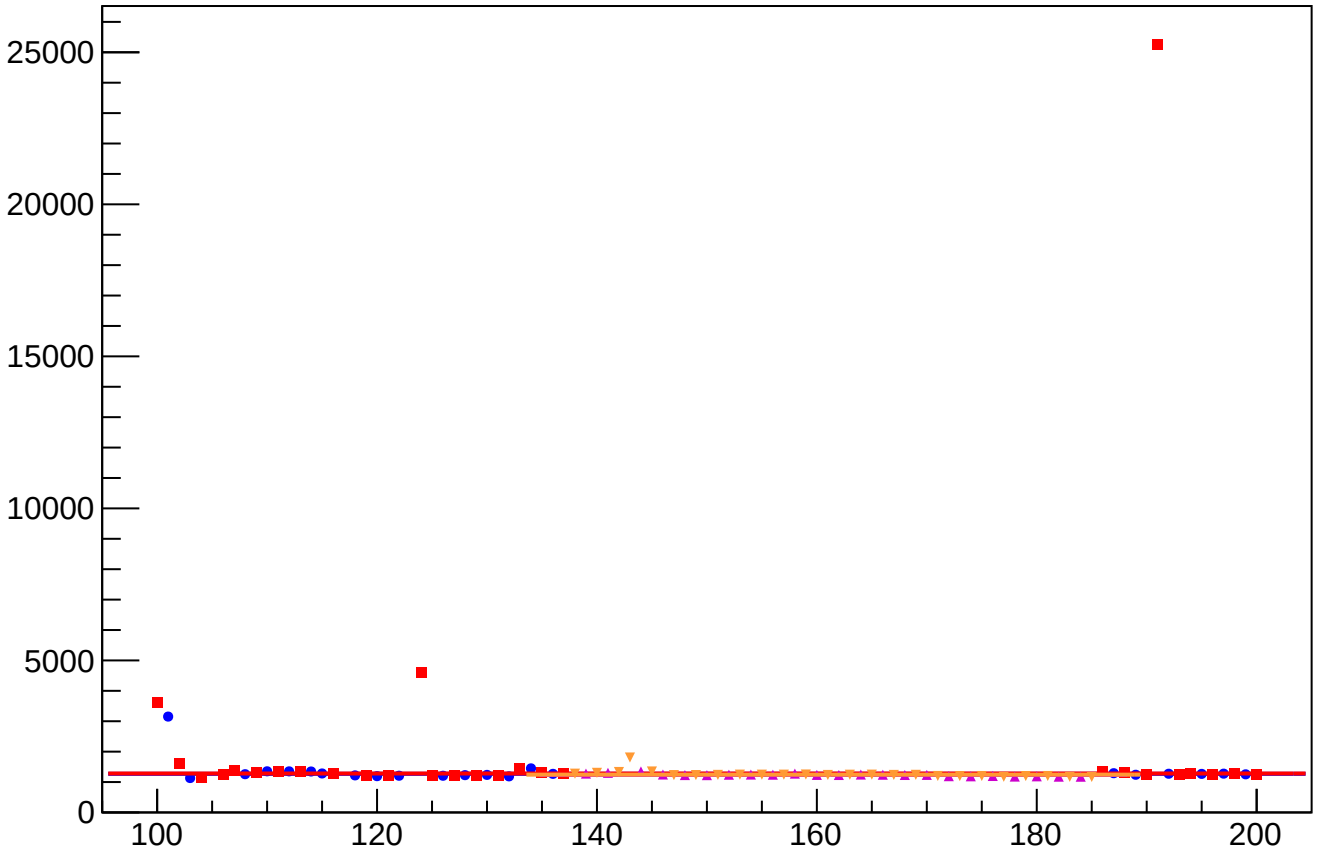
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -244.697+/-258.647 χ^2/NDF: 49.7/49

In: 51.384+/-229.277 χ^2/NDF:35.2/44

Out: -415.879+/-221.163 χ^2/NDF:51.1/52

All: -190.662+/-159.177 χ^2/NDF: 88.5/97



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

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

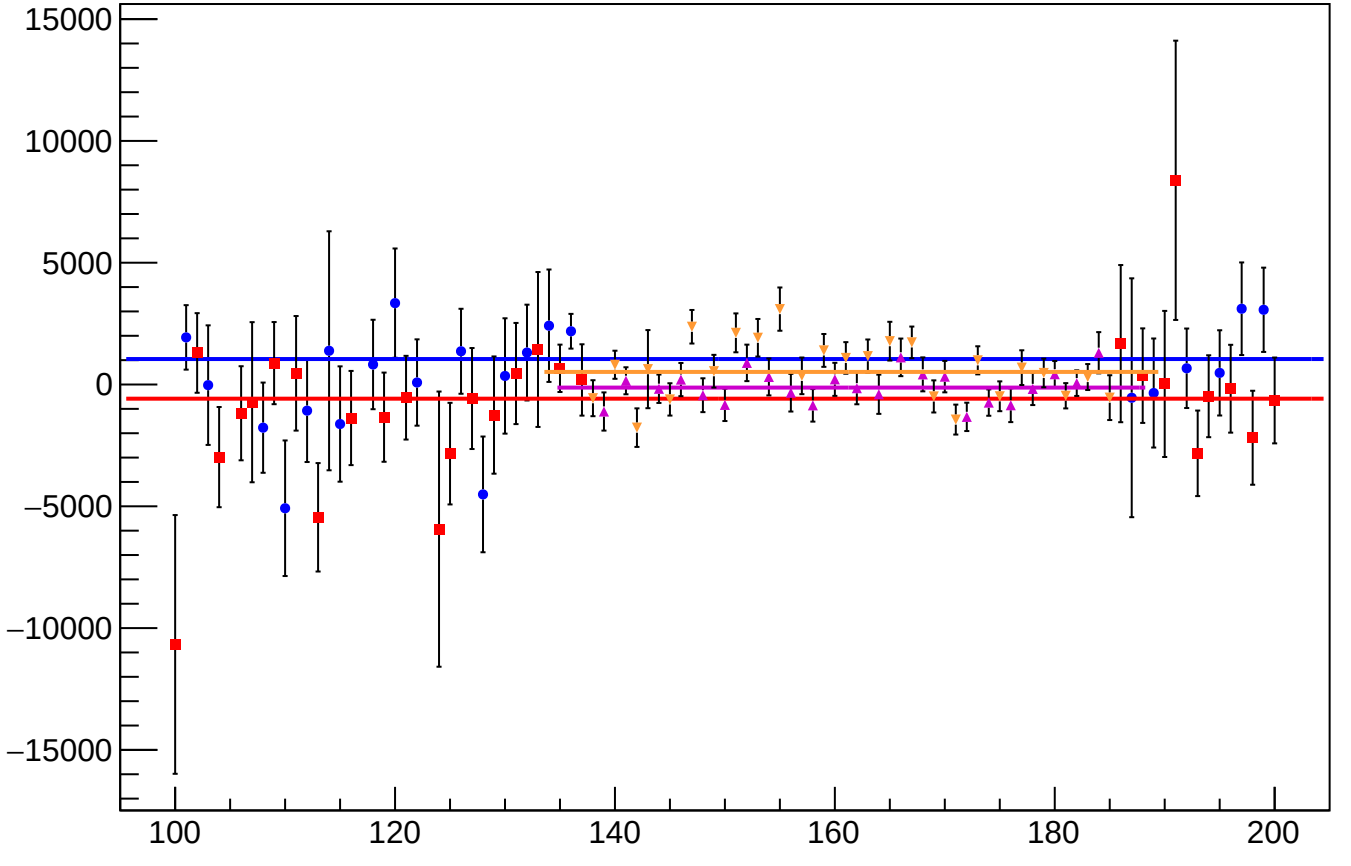
Right: 1275.842+/-0.183 χ^2/NDF: 990461.9/49

In: 1247.008+/-0.162 χ^2/NDF:571235.2/44

Out: 1257.731+/-0.156 χ^2/NDF:686629.4/52

All: 1252.563+/-0.113 χ^2/NDF: 1260131.0/97

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

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

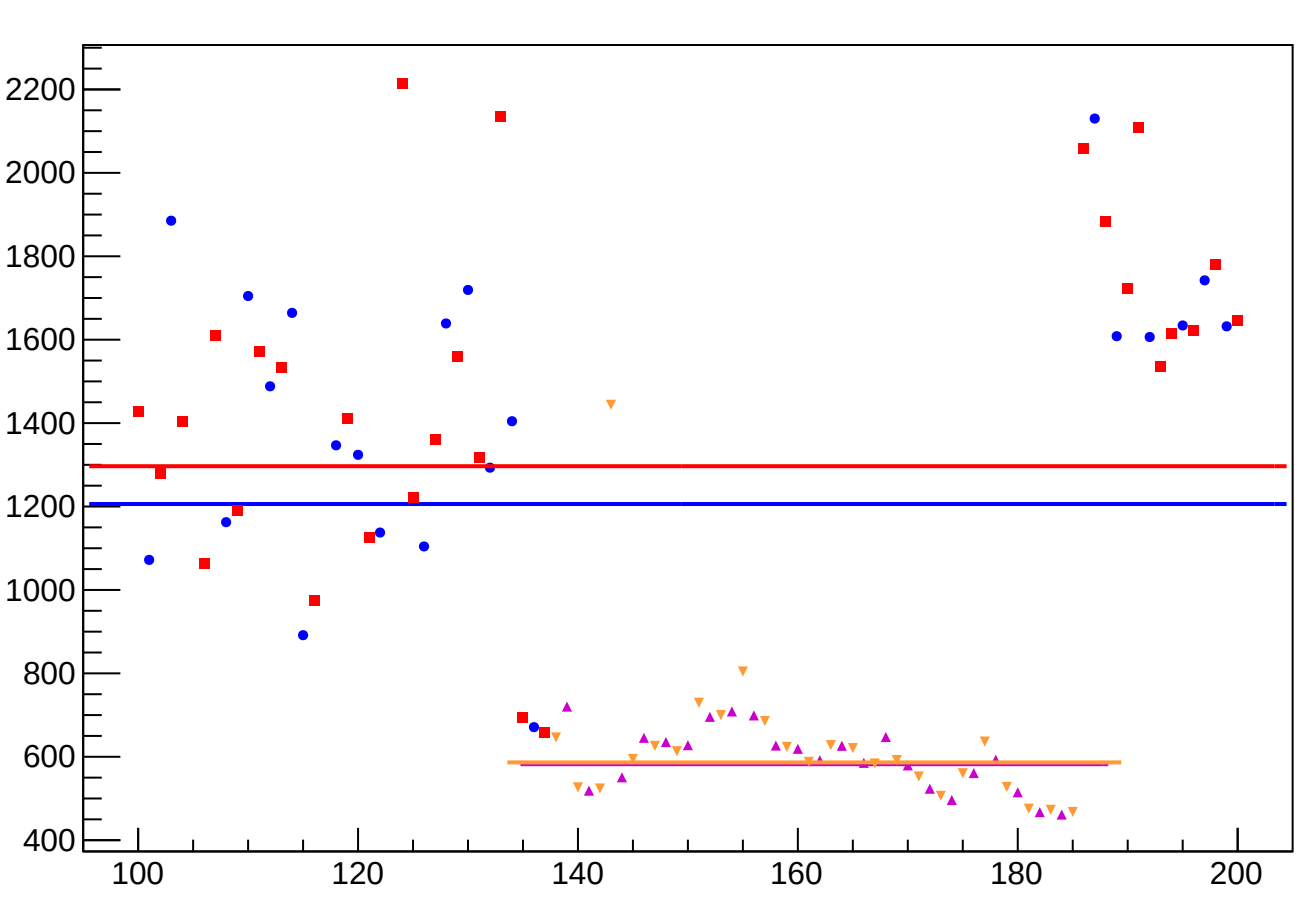
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 221.888+/-264.292 χ^2/NDF: 55.4/49

In: 11.228+/-128.947 χ^2/NDF:53.3/44

Out: 387.370+/-127.499 χ^2/NDF:97.5/52

All: 201.423+/-90.663 χ^2/NDF: 155.1/97



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

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

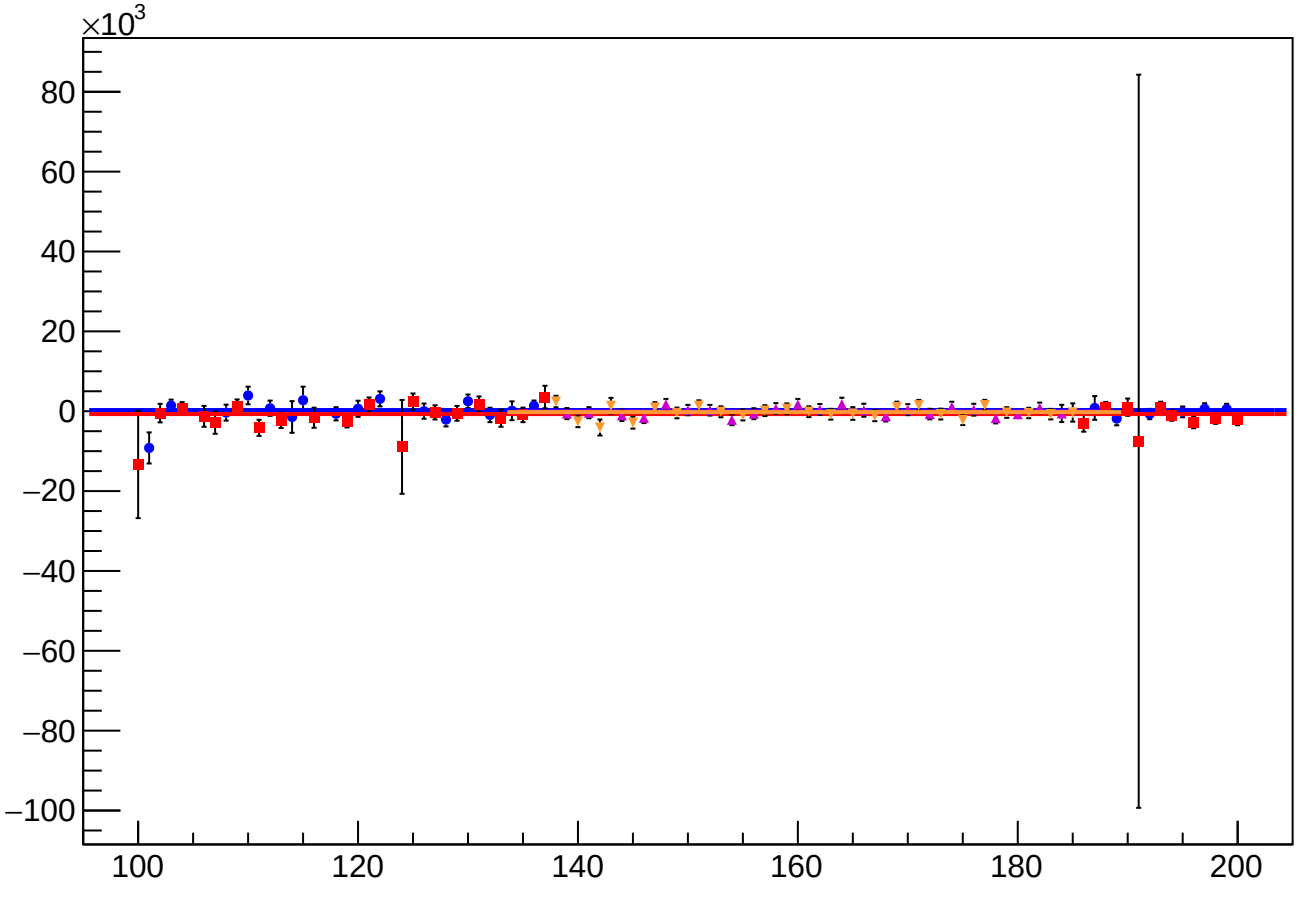
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1251.903+/-0.187 χ^2/NDF: 4691791.6/49

In: 655.512+/-0.091 χ^2/NDF:7730530.5/44

Out: 670.218+/-0.090 χ^2/NDF:9967679.8/52

All: 662.948+/-0.064 χ^2/NDF: 17711363.9/97



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

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

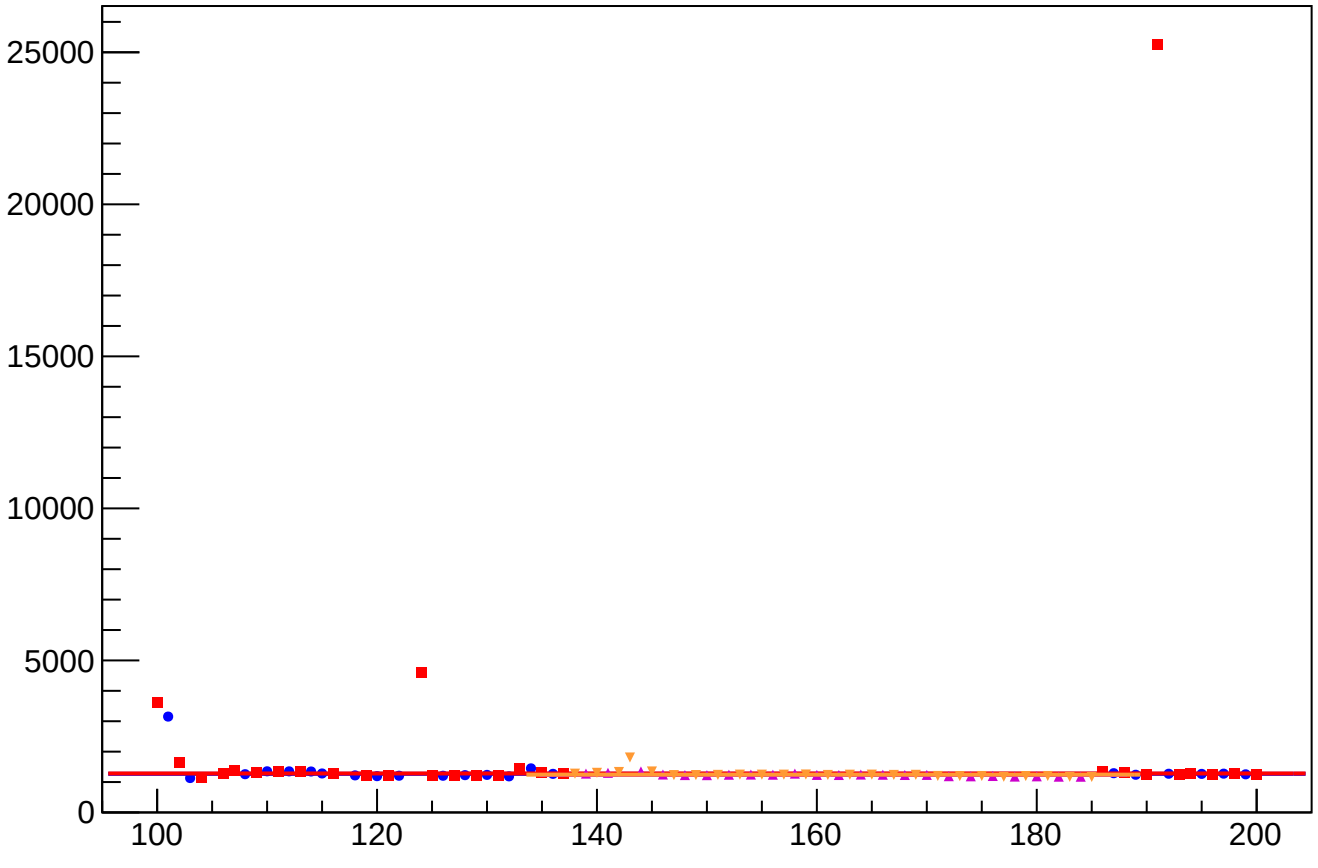
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -238.403+/-258.775 χ^2/NDF: 49.6/49

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -188.292+/-159.207 χ^2/NDF: 88.4/97



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

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

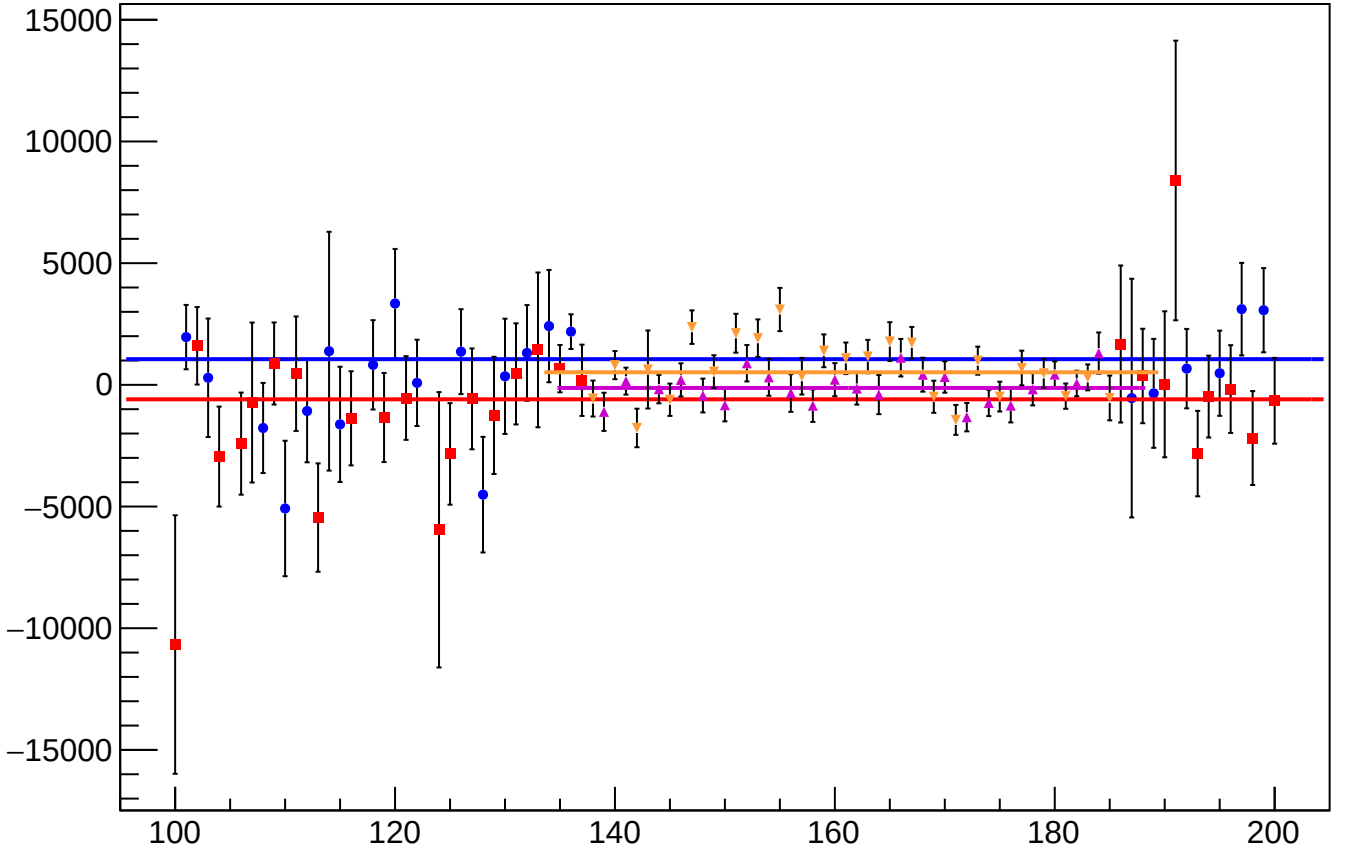
Right: 1276.498+/-0.183 χ^2/NDF: 997408.7/49

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

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

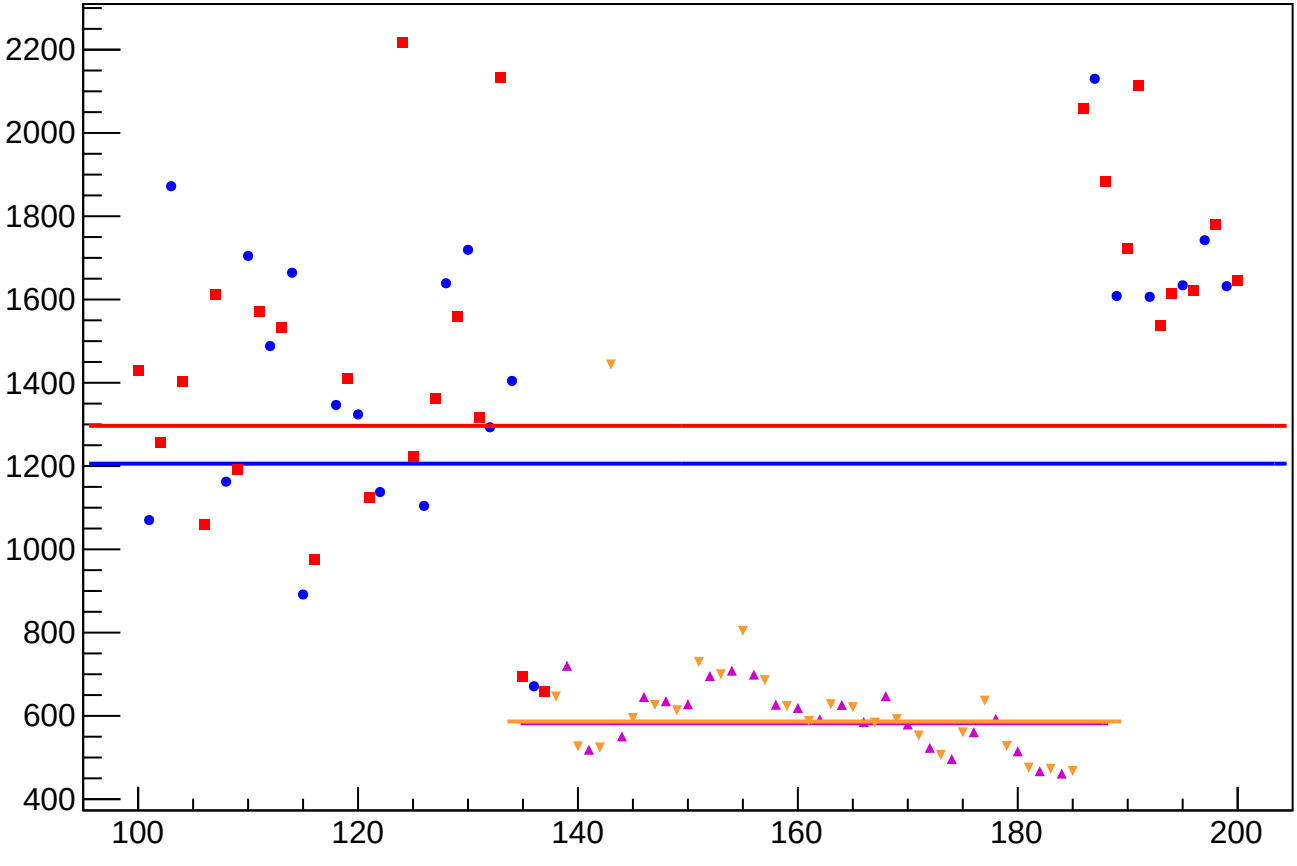
Right: 221.698+/-264.435 χ^2/NDF: 56.8/49

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 201.413+/-90.669 χ^2/NDF: 156.5/97

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

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

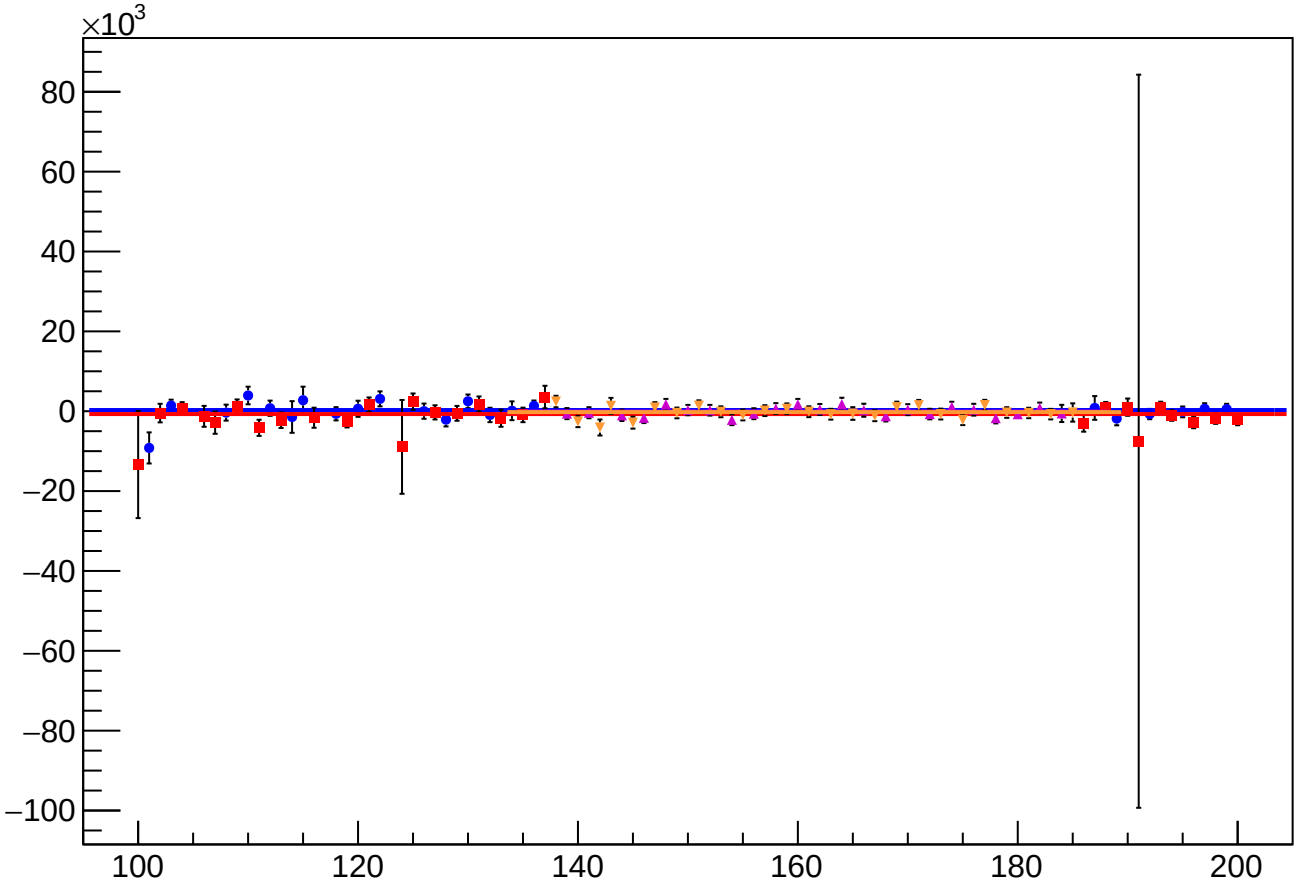
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1251.679+/-0.187 χ^2/NDF: 4686726.8/49

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

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

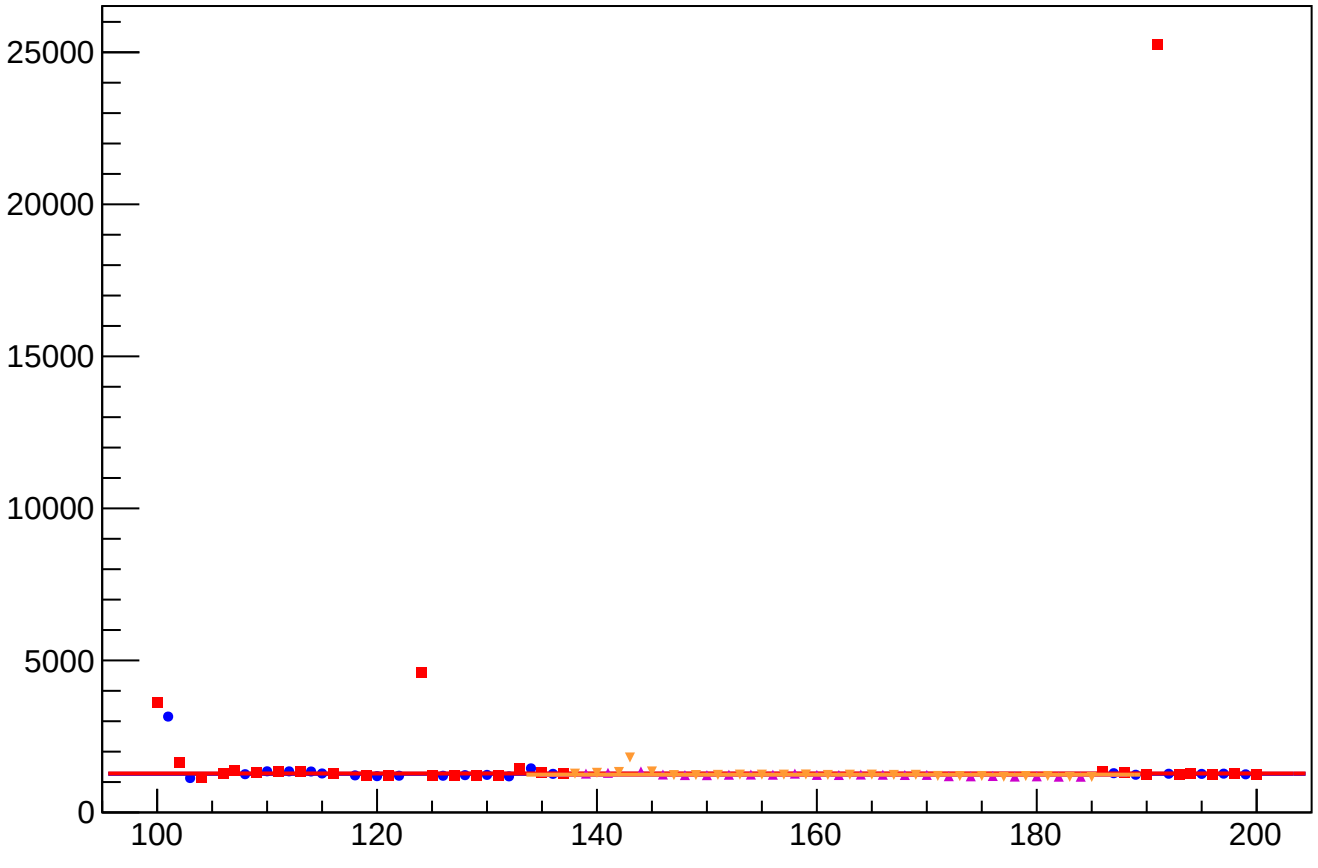
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -238.403+/-258.775 χ^2/NDF: 49.6/49

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -188.292+/-159.207 χ^2/NDF: 88.4/97



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

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

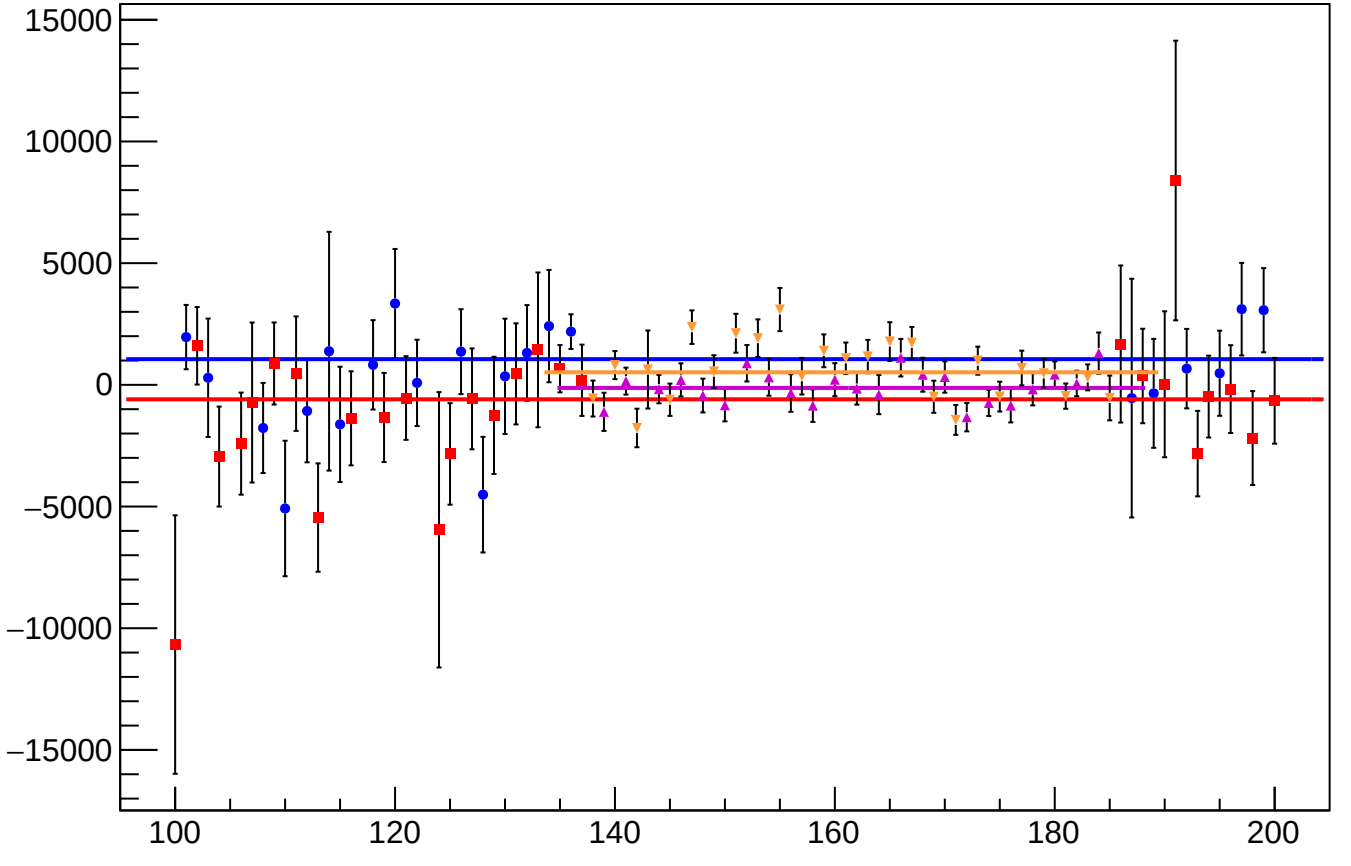
Right: 1276.498+/-0.183 χ^2/NDF: 997408.7/49

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

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

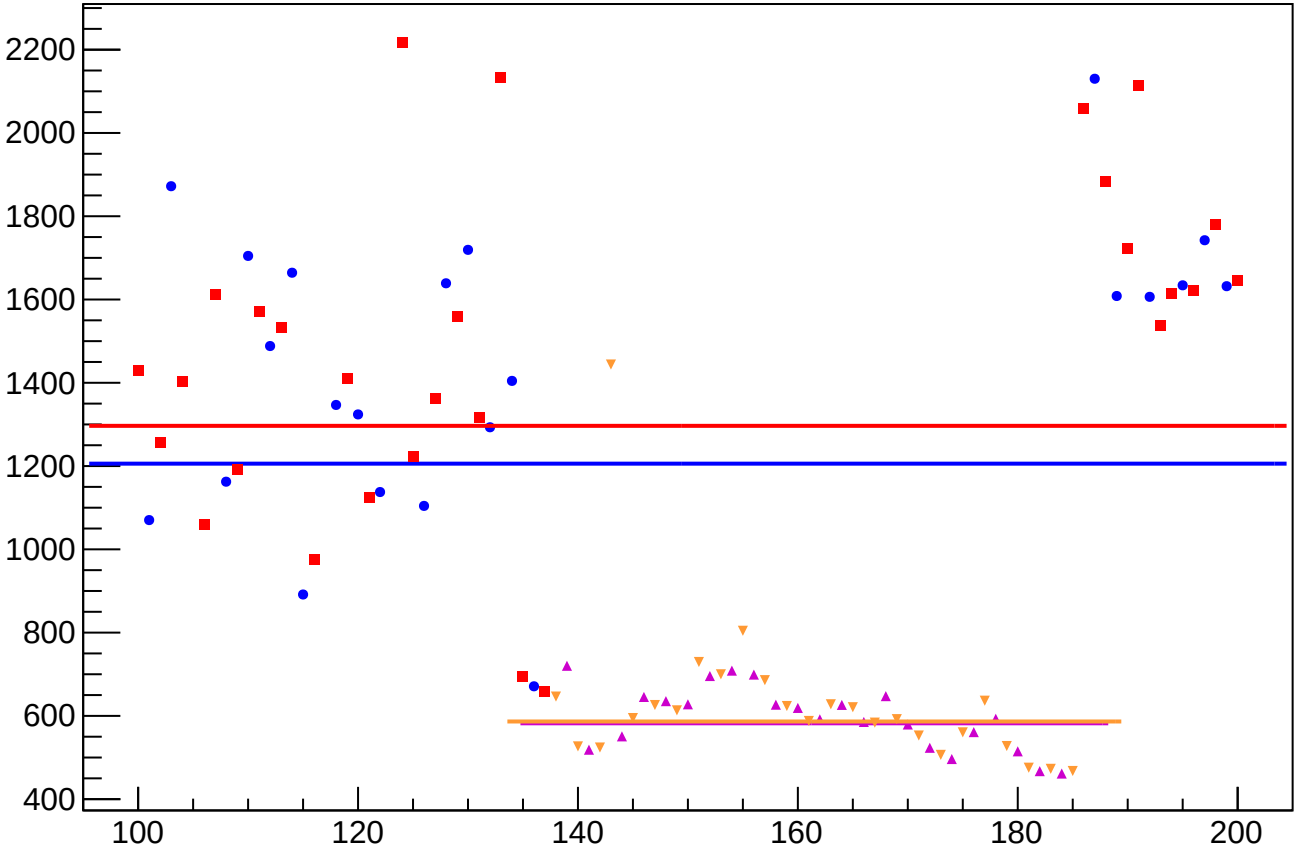
Right: 221.698+/-264.435 χ^2/NDF: 56.8/49

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 201.413+/-90.669 χ^2/NDF: 156.5/97

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

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

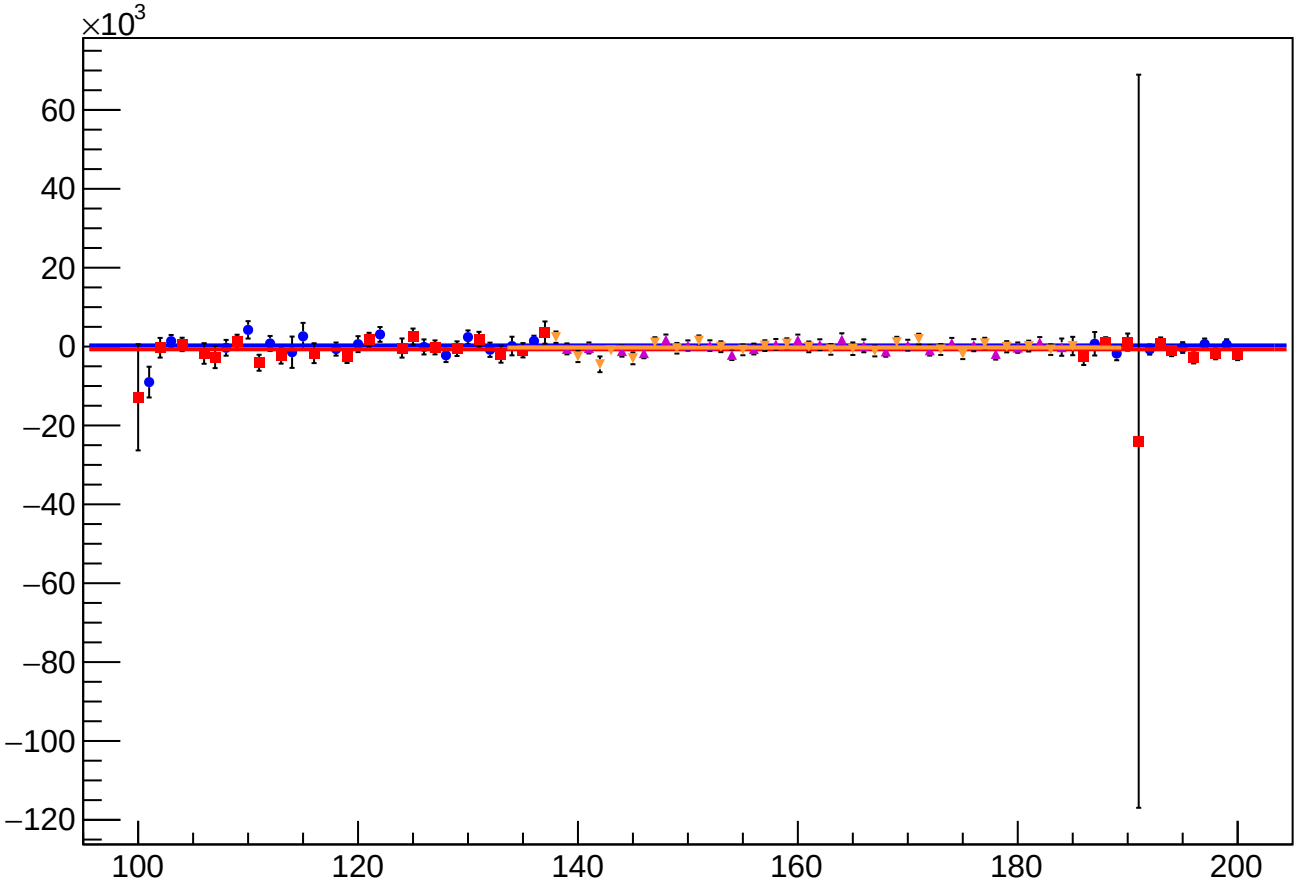
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1251.679+/-0.187 χ^2/NDF: 4686726.8/49

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

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

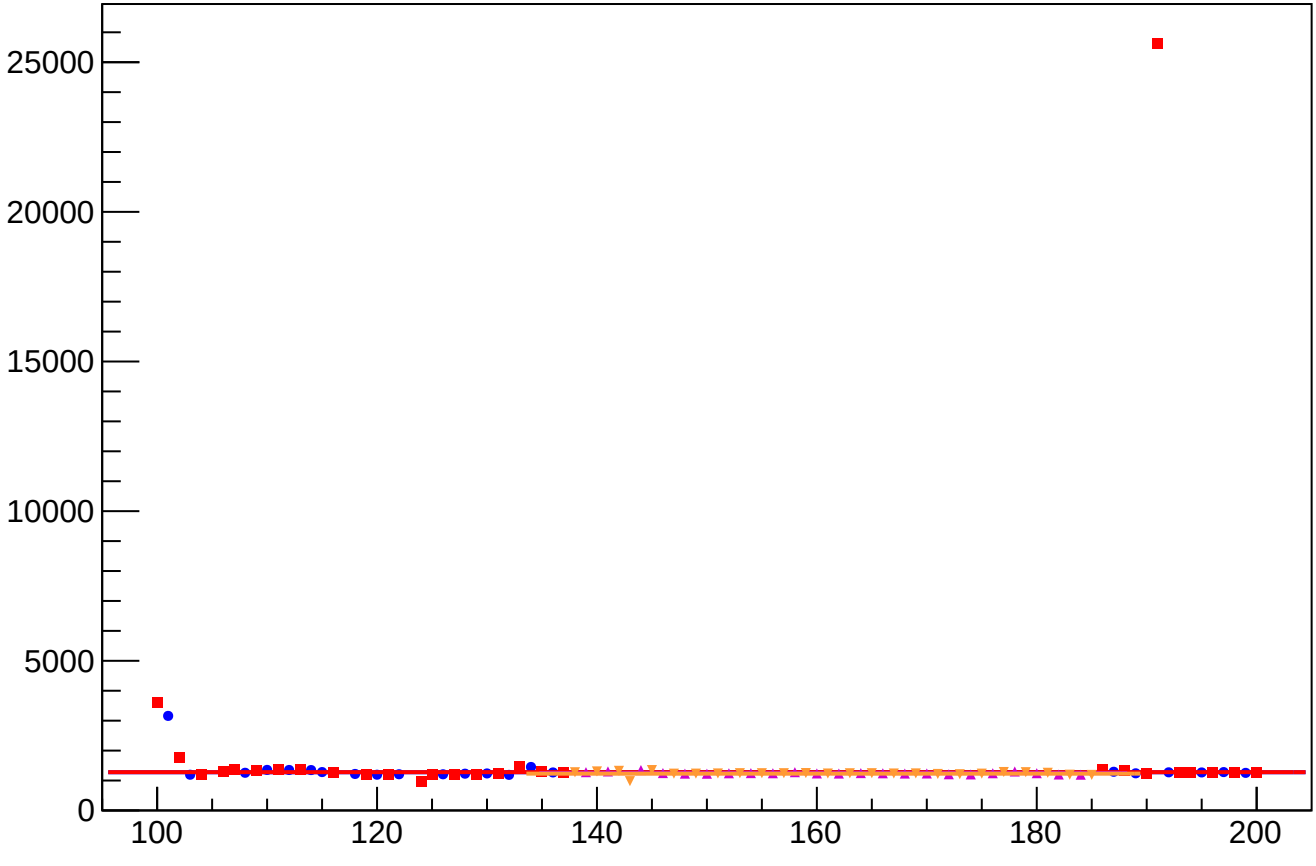
Right: -239.634+/-258.776 χ^2/NDF: 49.0/49

In: 61.283+/-231.292 χ^2/NDF:34.4/44

Out: -423.935+/-219.401 χ^2/NDF:50.5/52

All: -194.119+/-159.178 χ^2/NDF: 87.3/97

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

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

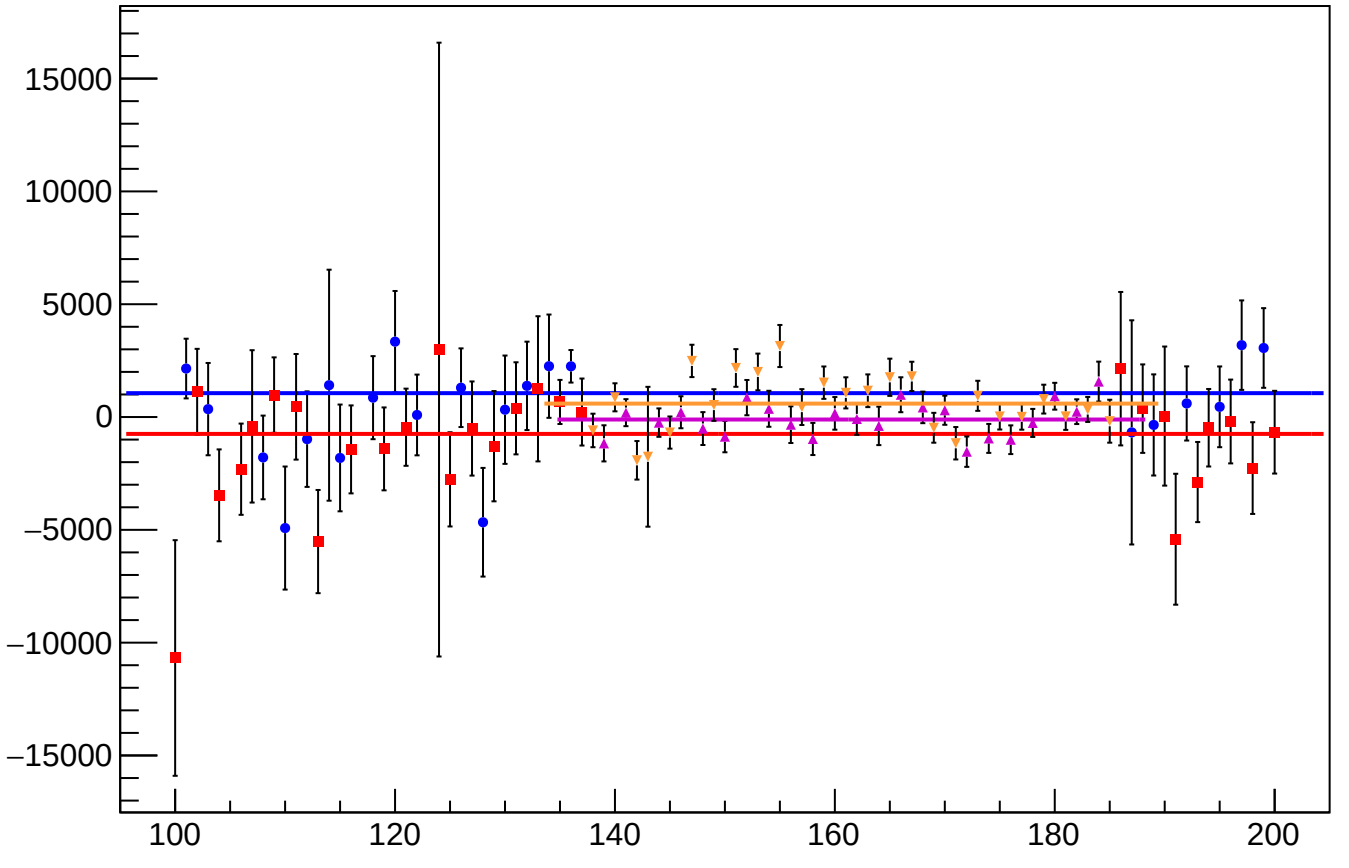
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1277.923+/-0.183 χ^2/NDF: 877770.0/49

In: 1258.227+/-0.164 χ^2/NDF:543023.4/44

Out: 1249.119+/-0.155 χ^2/NDF:534758.5/52

All: 1253.433+/-0.113 χ^2/NDF: 1079414.5/97



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

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

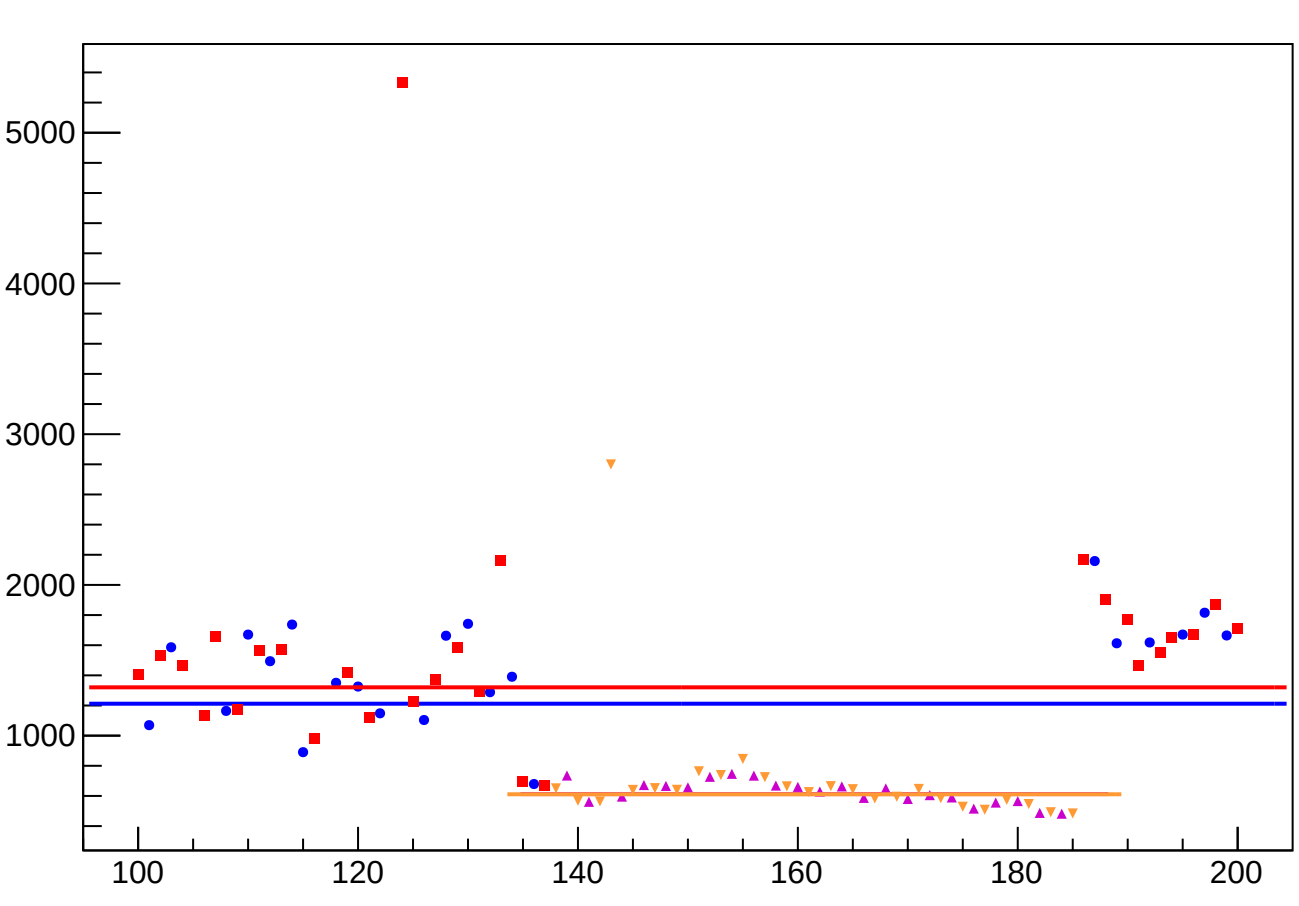
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 153.889+/-266.574 χ^2/NDF: 58.2/49

In: 38.780+/-134.720 χ^2/NDF:57.7/44

Out: 427.664+/-132.983 χ^2/NDF:91.5/52

All: 235.745+/-94.641 χ^2/NDF: 153.4/97



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

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

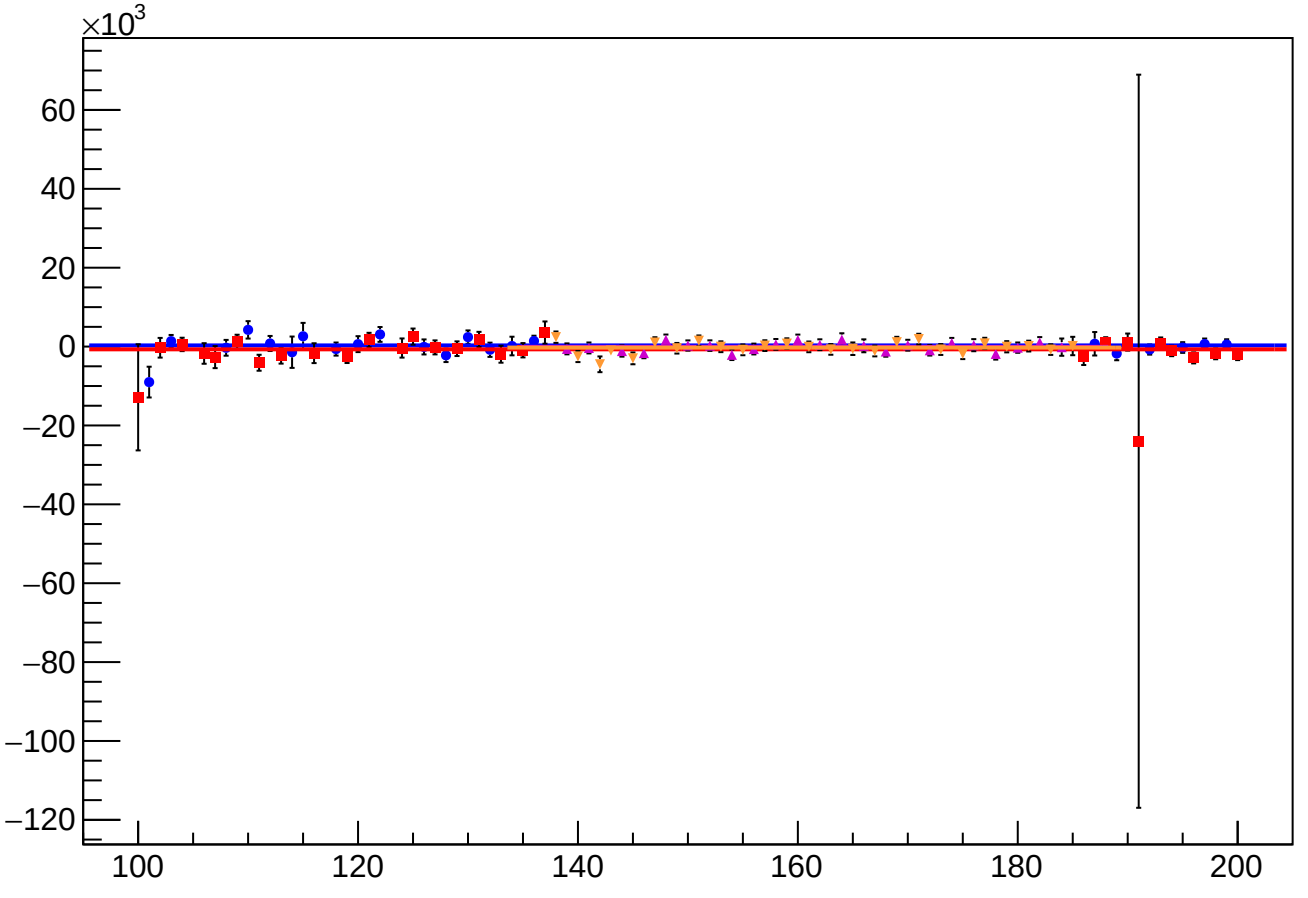
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1266.264+/-0.188 χ^2/NDF: 4862727.6/49

In: 688.862+/-0.095 χ^2/NDF:7165523.5/44

Out: 699.468+/-0.094 χ^2/NDF:10356560.4/52

All: 694.233+/-0.067 χ^2/NDF: 17528361.9/97



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

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

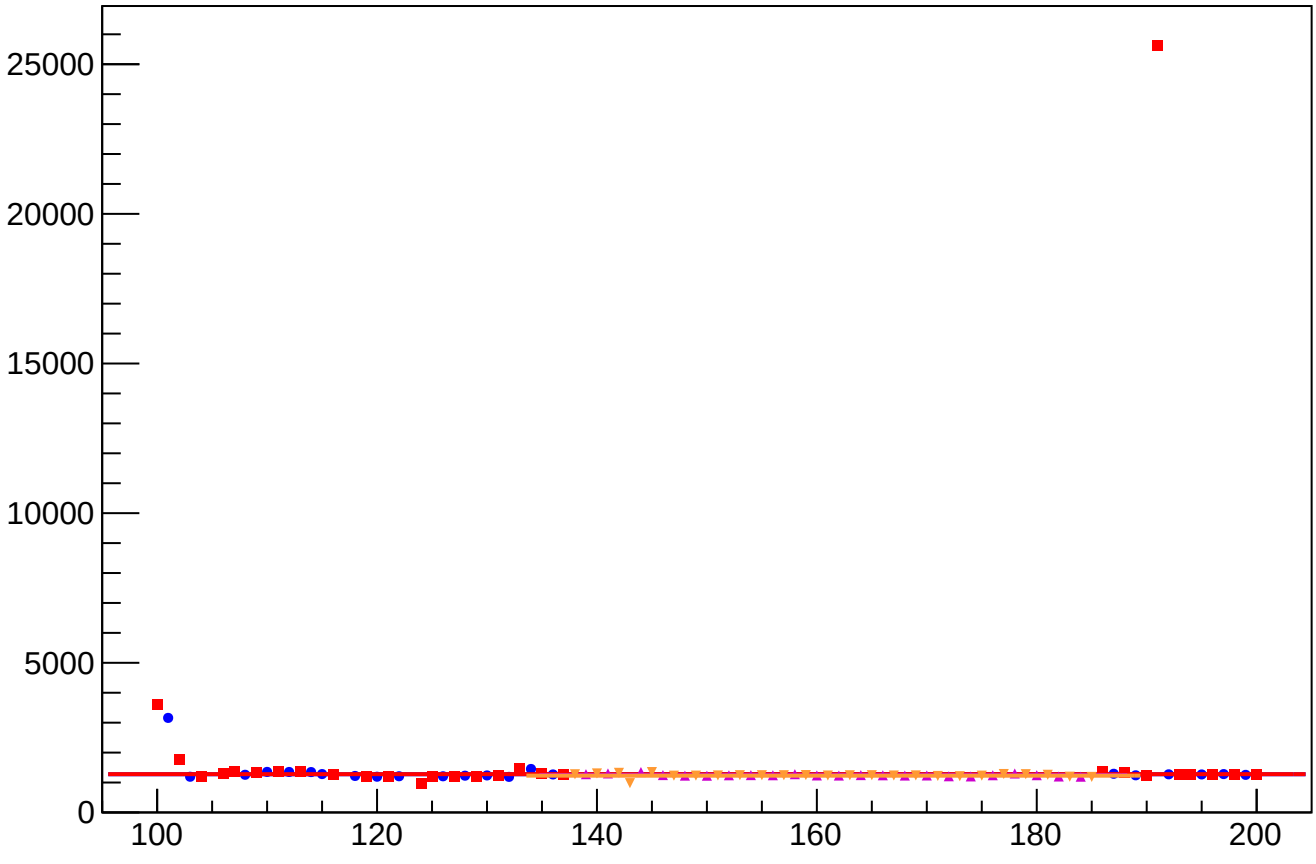
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -239.632+/-258.776 χ^2/NDF: 49.0/49

In: 61.284+/-231.292 χ^2/NDF:34.4/44

Out: -423.936+/-219.401 χ^2/NDF:50.5/52

All: -194.119+/-159.178 χ^2/NDF: 87.3/97



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

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

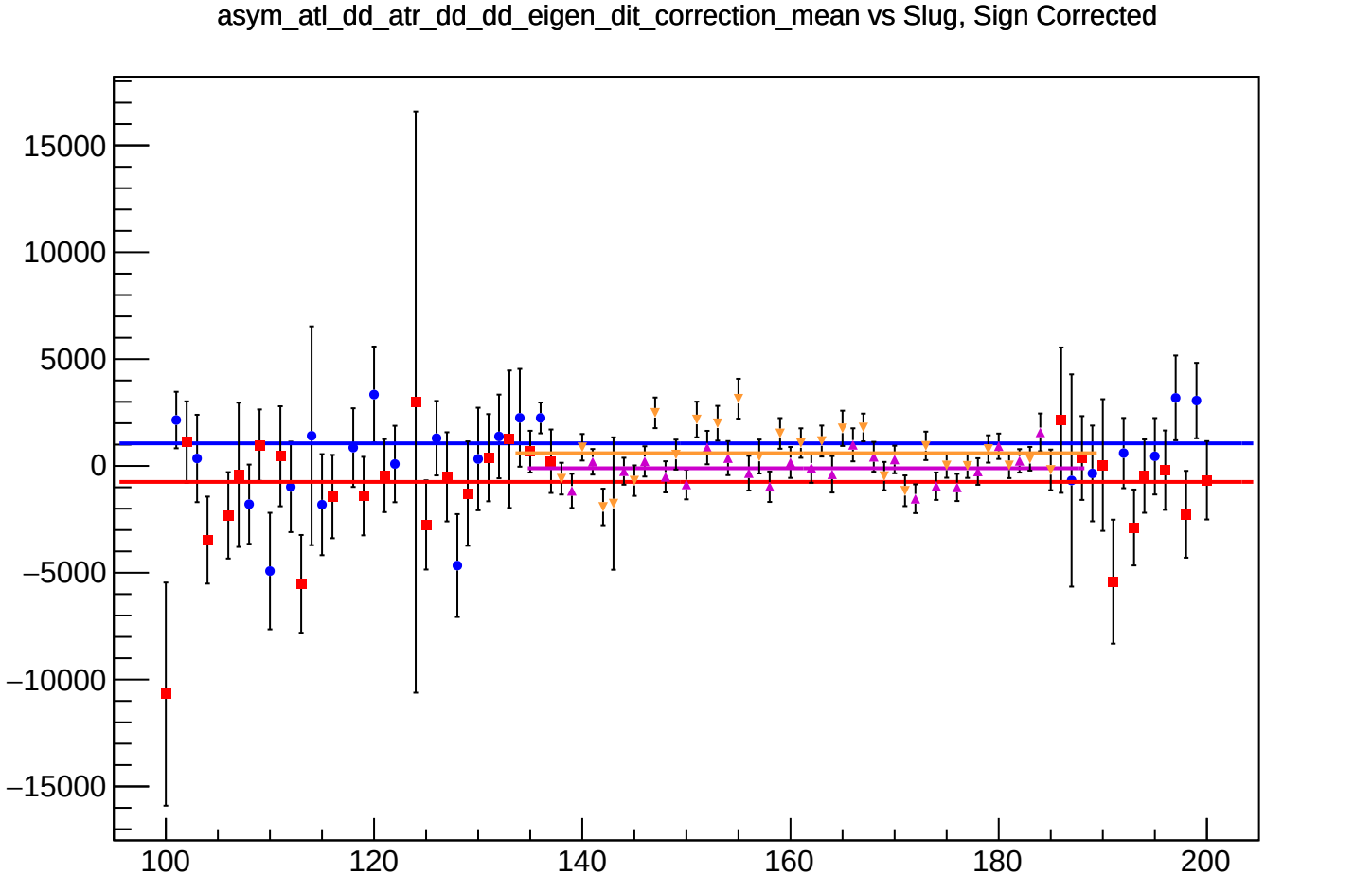
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

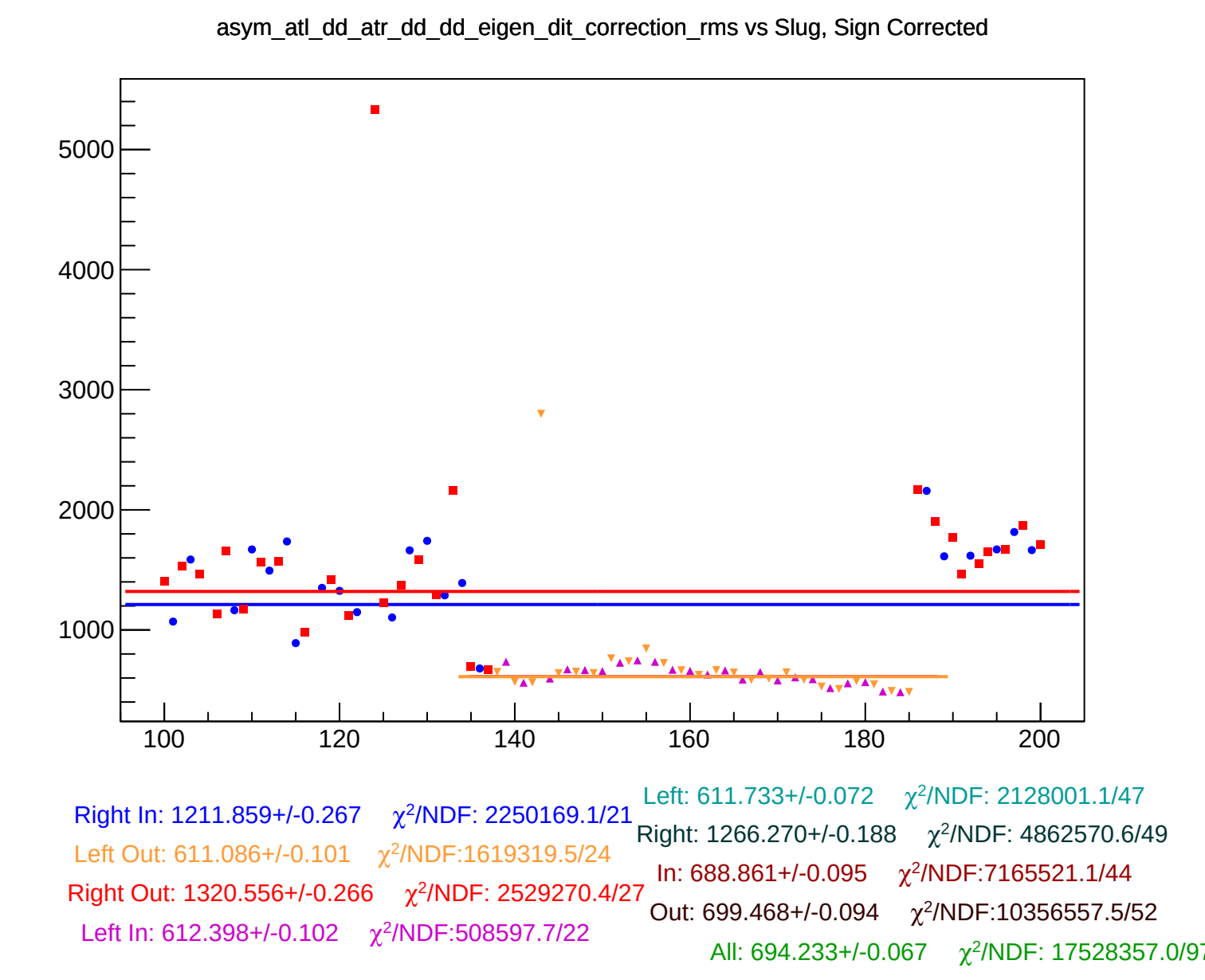
Right: 1277.923+/-0.183 χ^2/NDF: 877770.1/49

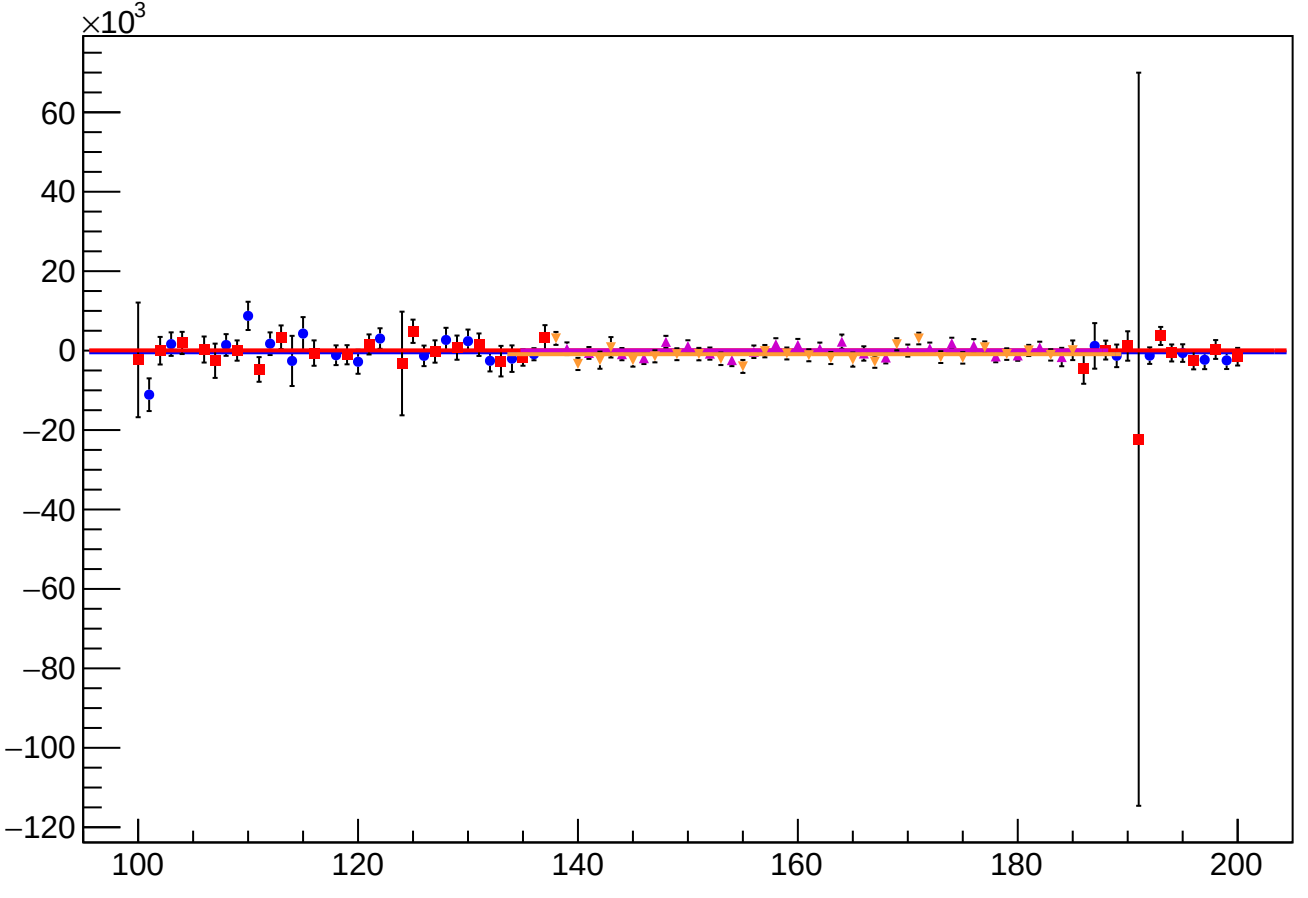
In: 1258.227+/-0.164 χ^2/NDF:543023.5/44

Out: 1249.119+/-0.155 χ^2/NDF:534757.5/52

All: 1253.433+/-0.113 χ^2/NDF: 1079413.5/97


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1058.122+/-377.212 χ²/NDF: 23.6/21
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -748.269+/-376.776 χ²/NDF: 23.0/27
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 153.882+/-266.575 χ²/NDF: 58.2/49
In: 38.779+/-134.720 χ²/NDF:57.7/44
Out: 427.664+/-132.983 χ²/NDF:91.5/52
All: 235.744+/-94.641 χ²/NDF: 153.4/97


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1211.859+/-0.267 χ²/NDF: 2250169.1/21
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1320.556+/-0.266 χ²/NDF: 2529270.4/27
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1266.270+/-0.188 χ²/NDF: 4862570.6/49
In: 688.861+/-0.095 χ²/NDF:7165521.1/44
Out: 699.468+/-0.094 χ²/NDF:10356557.5/52
All: 694.233+/-0.067 χ²/NDF: 17528357.0/97



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

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

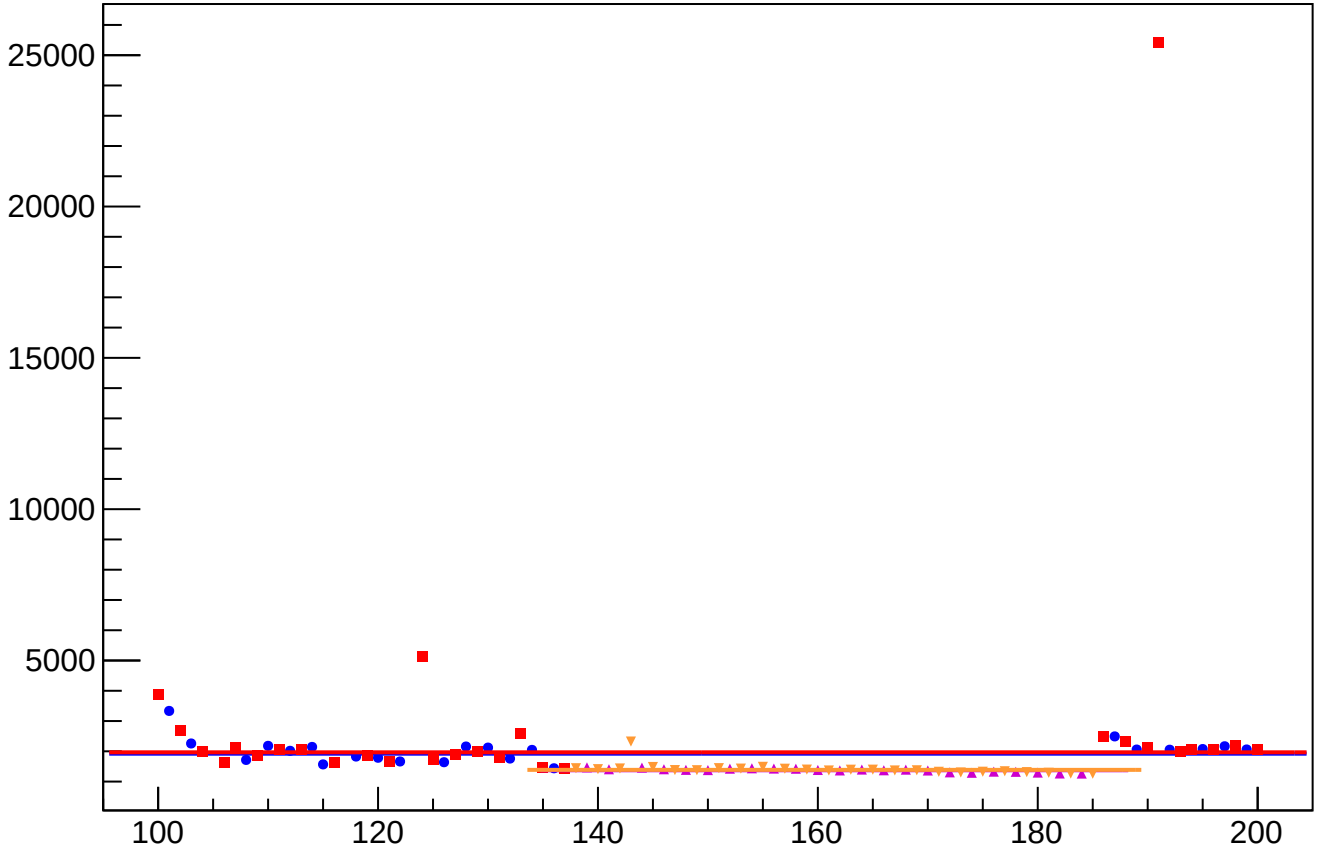
Right: -166.678+/-396.353 χ^2/NDF: 40.3/49

In: -62.783+/-280.243 χ^2/NDF:42.1/44

Out: -658.790+/-273.919 χ^2/NDF:48.4/52

All: -367.587+/-195.887 χ^2/NDF: 92.8/97

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

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

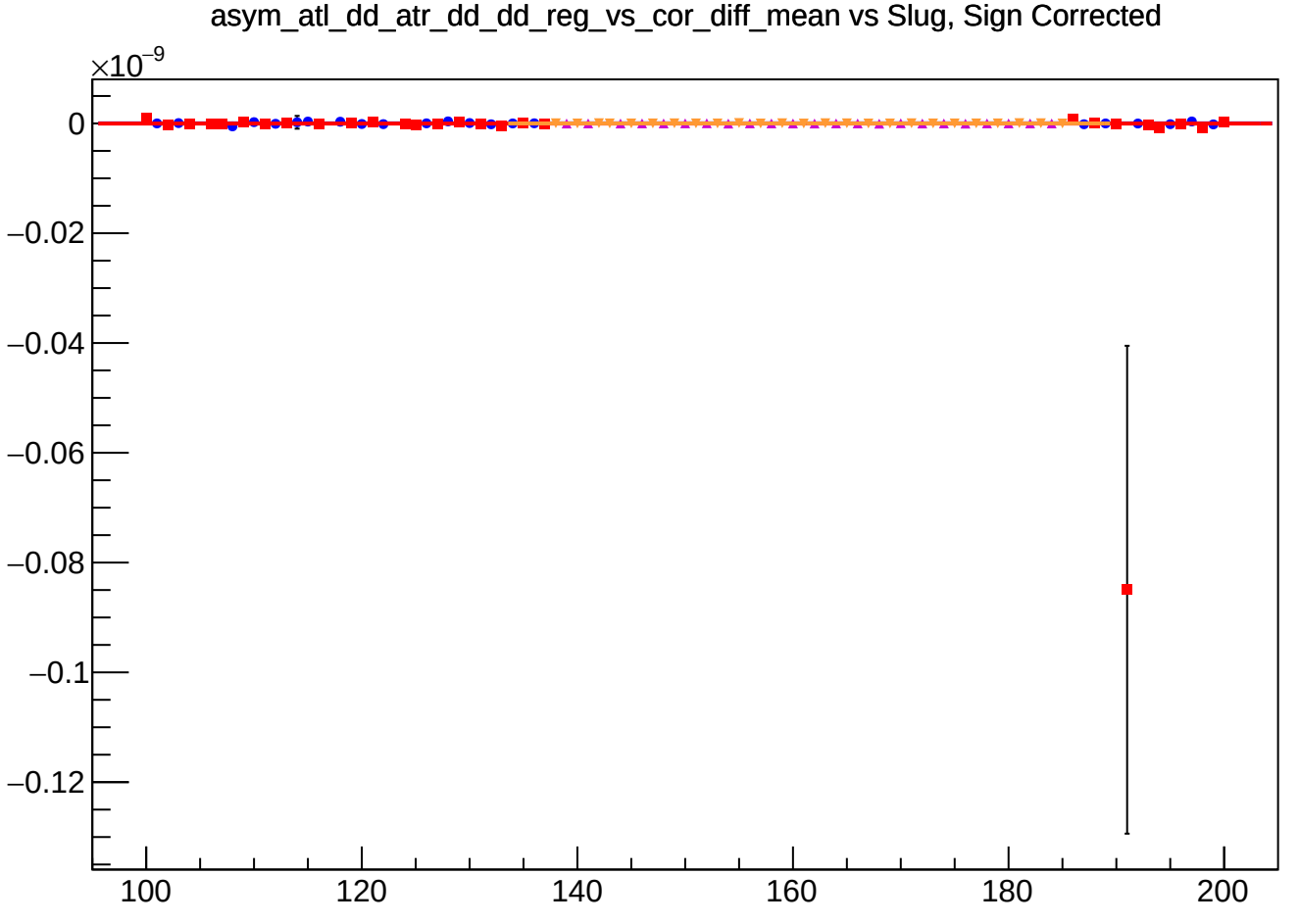
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1945.293+/-0.280 χ^2/NDF: 1476858.8/49

In: 1503.426+/-0.198 χ^2/NDF:2106834.1/44

Out: 1532.264+/-0.194 χ^2/NDF:2838520.8/52

All: 1518.174+/-0.139 χ^2/NDF: 4956185.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/21

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

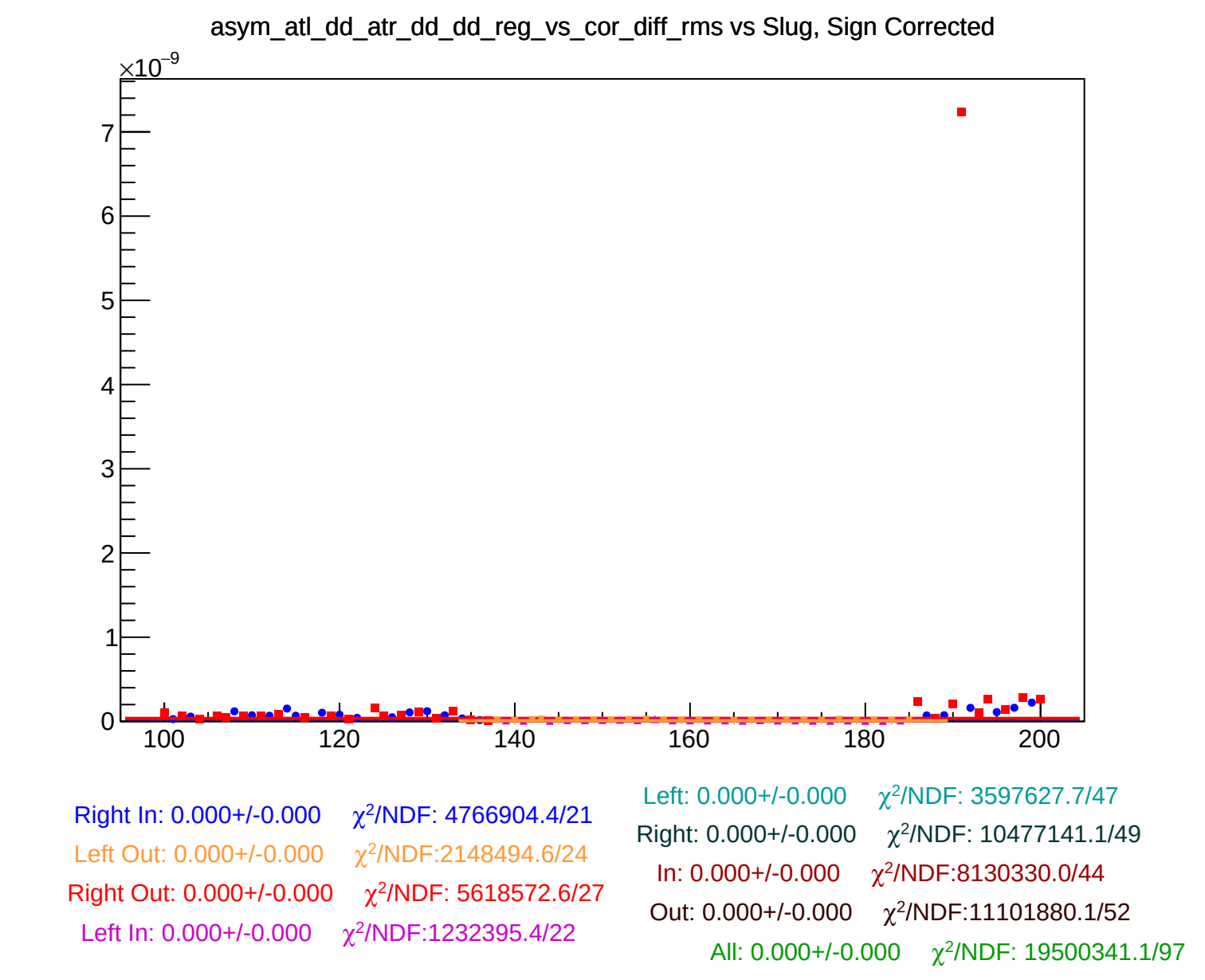
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: 0.000+/-0.000 χ^2/NDF: 64.6/49

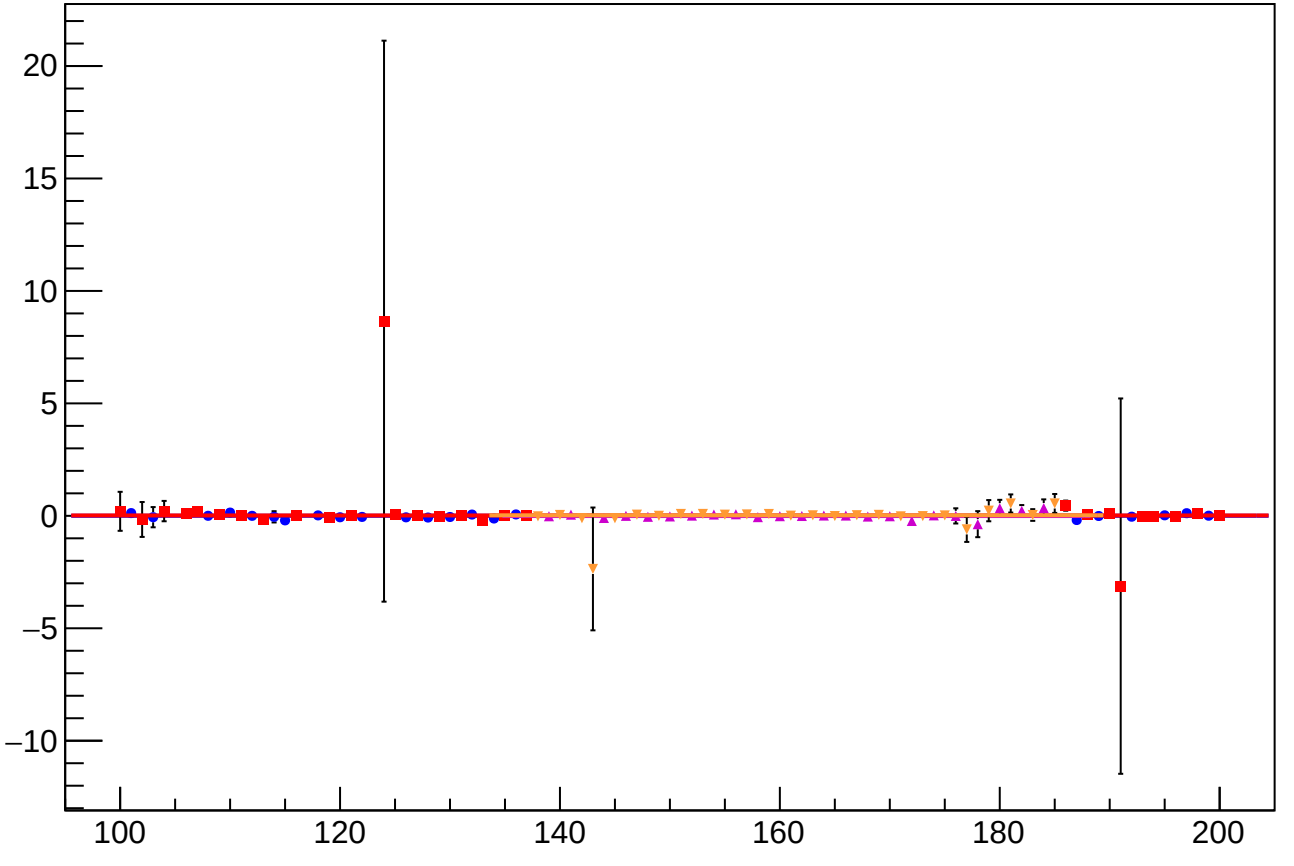
In: 0.000+/-0.000 χ^2/NDF:33.5/44

Out: 0.000+/-0.000 χ^2/NDF:69.5/52

All: 0.000+/-0.000 χ^2/NDF: 103.0/97


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: 4766904.4/21
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: 10477141.1/49
In: 0.000+/-0.000 χ²/NDF:8130330.0/44
Out: 0.000+/-0.000 χ²/NDF:11101880.1/52
All: 0.000+/-0.000 χ²/NDF: 19500341.1/97

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

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

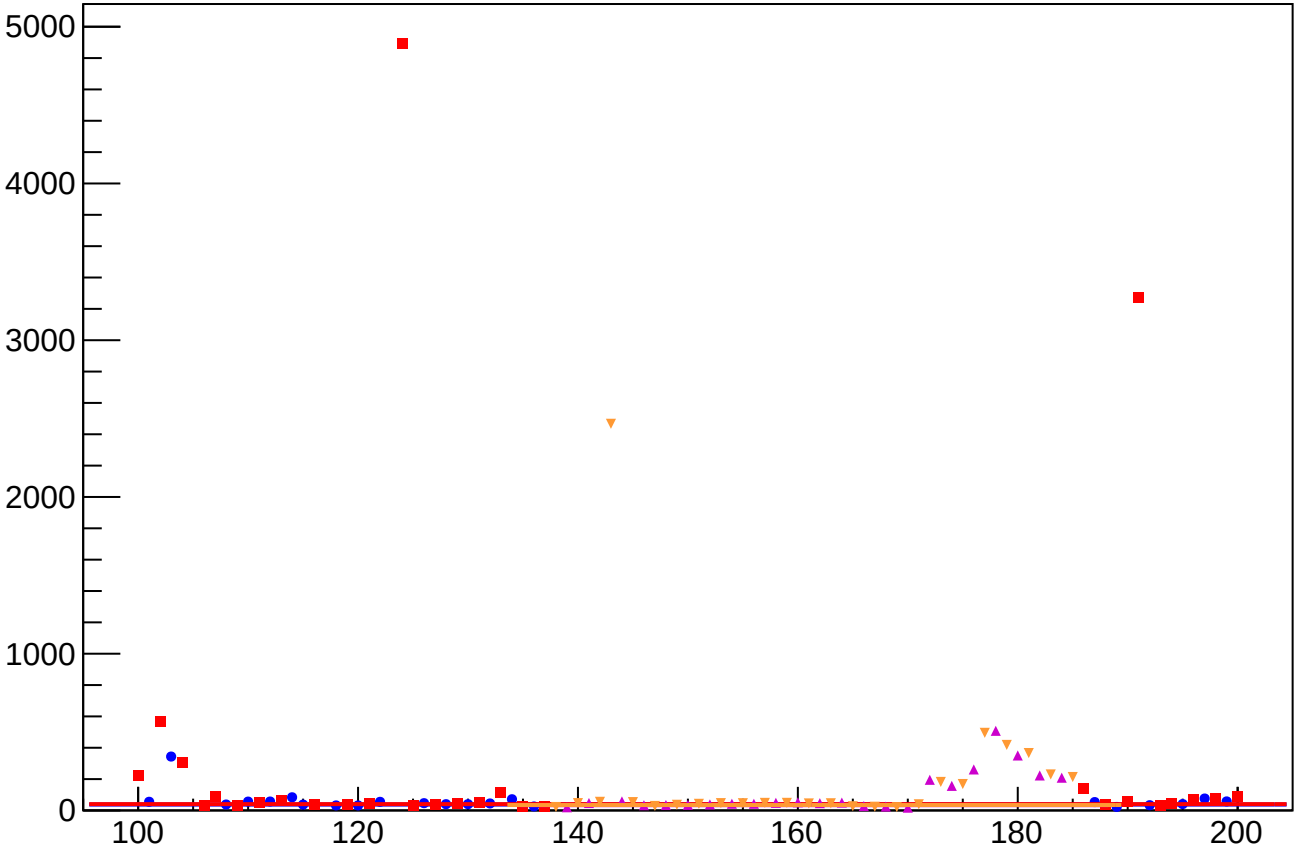
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

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

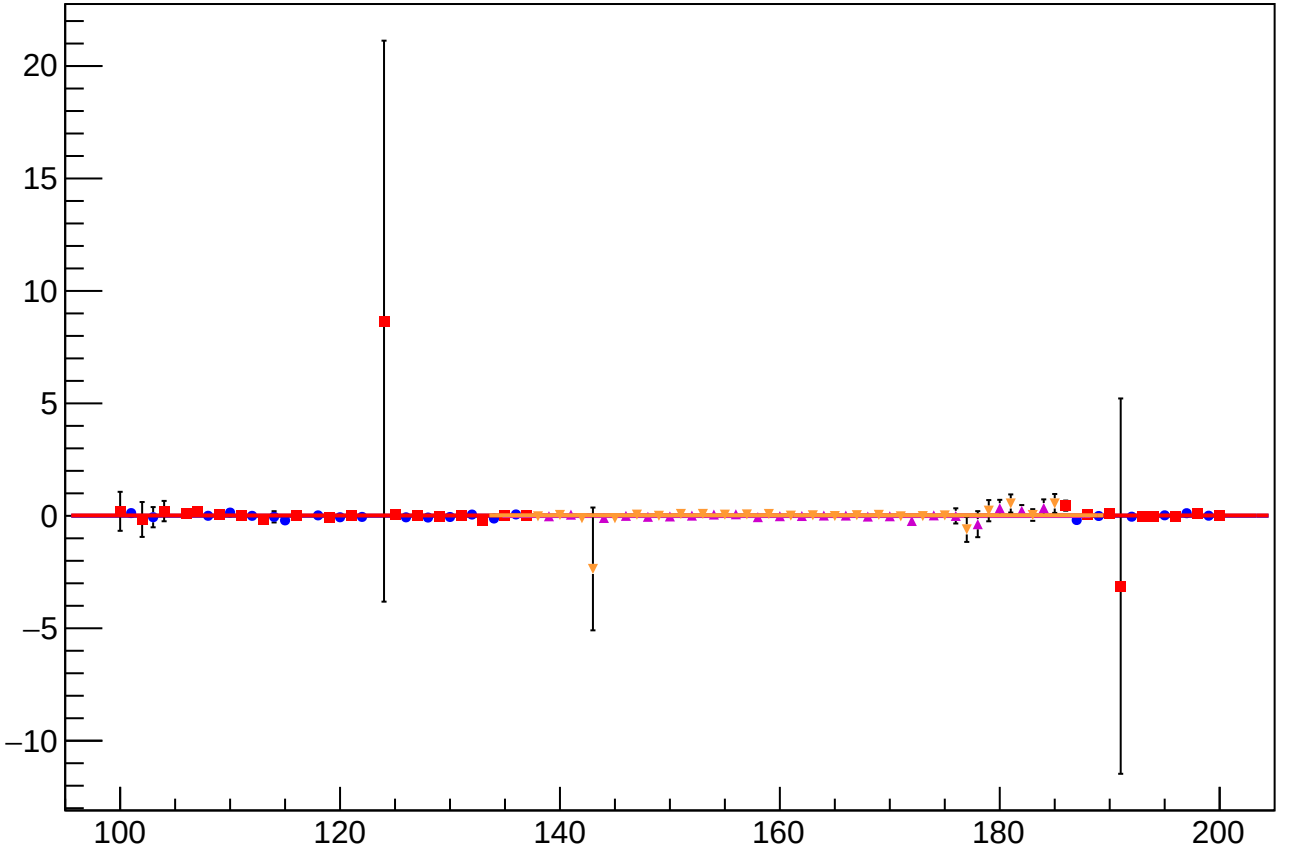
Right: 38.951+/-0.007 χ^2/NDF: 8133782.5/49

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

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: 24.6/21

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

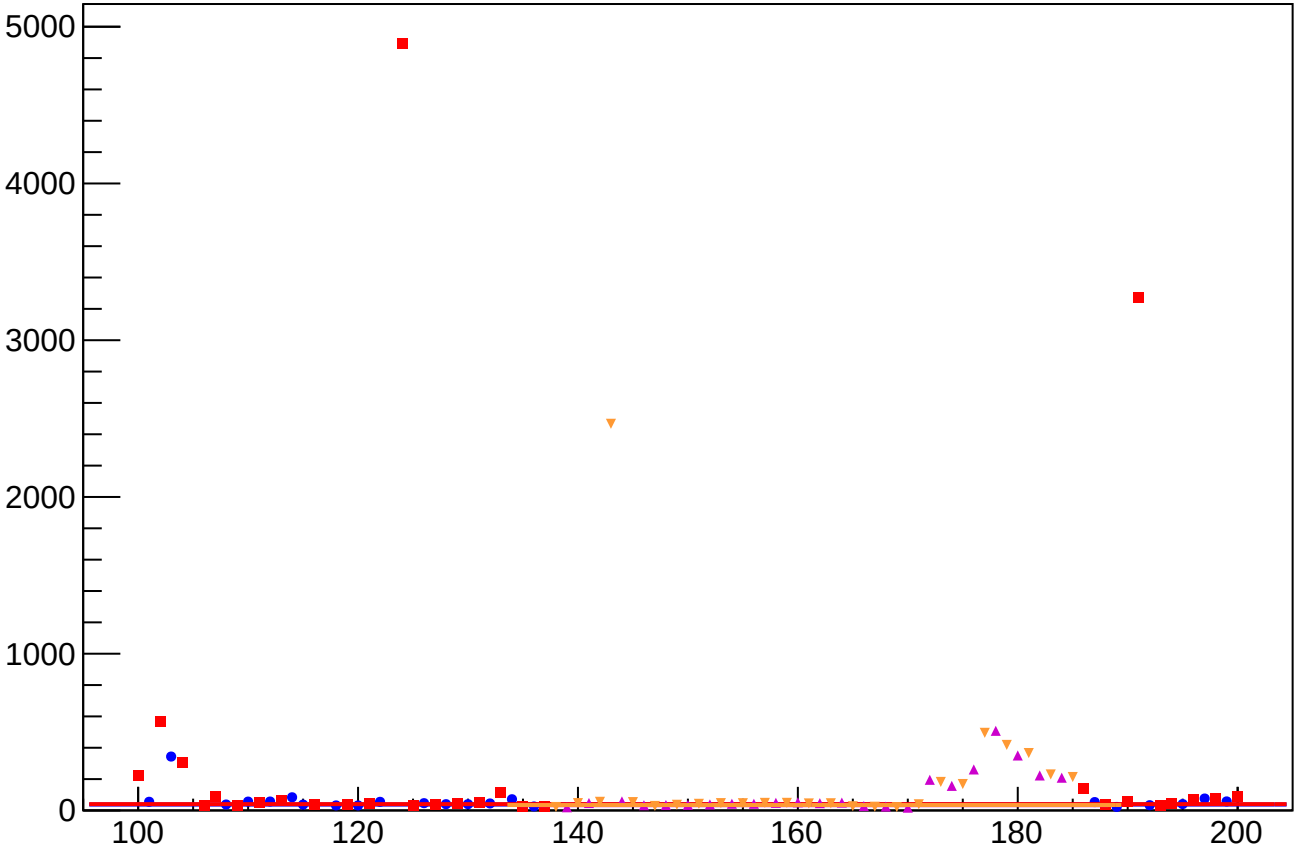
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

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

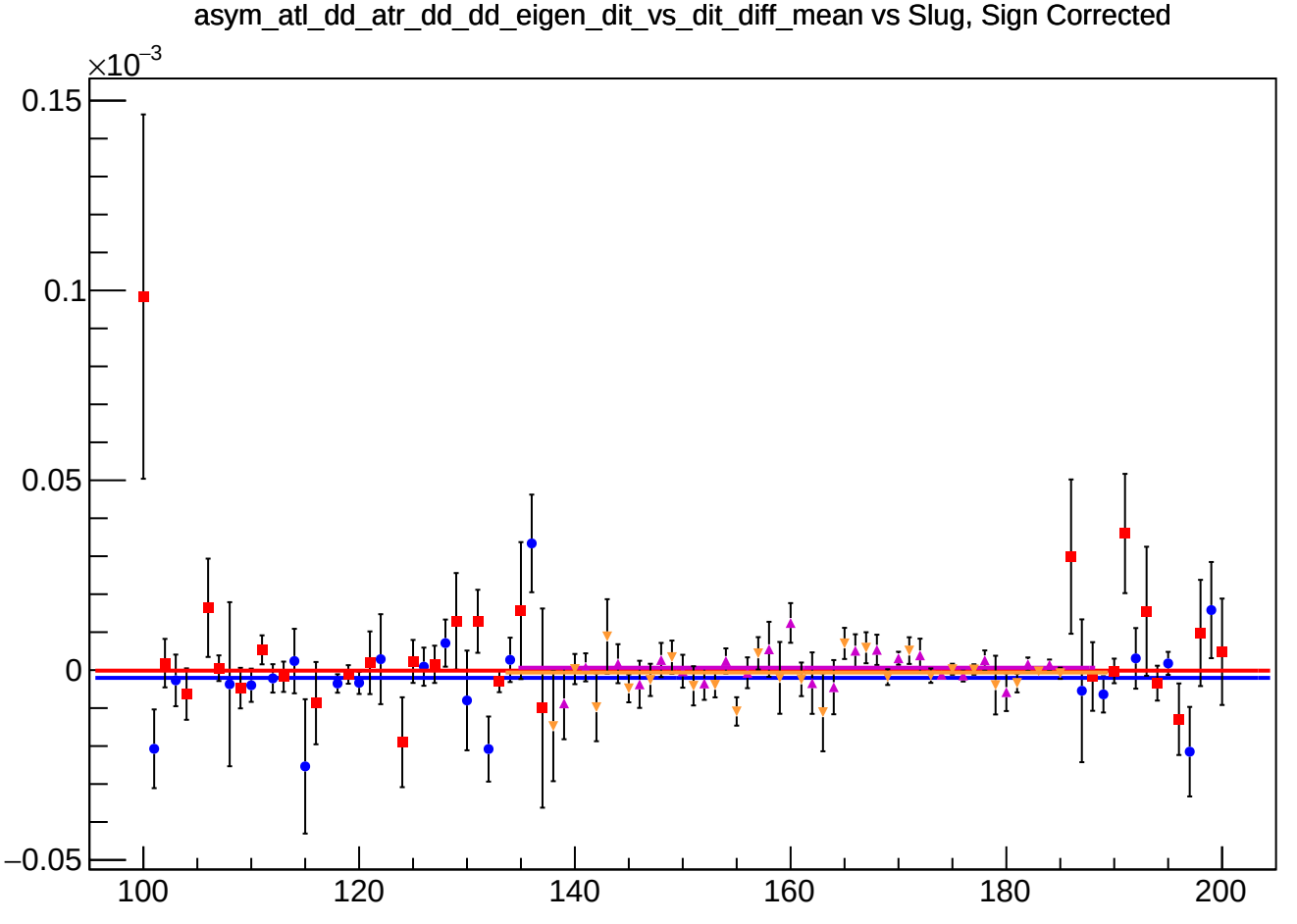
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.951+/-0.007 χ^2/NDF: 8133782.5/49

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

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

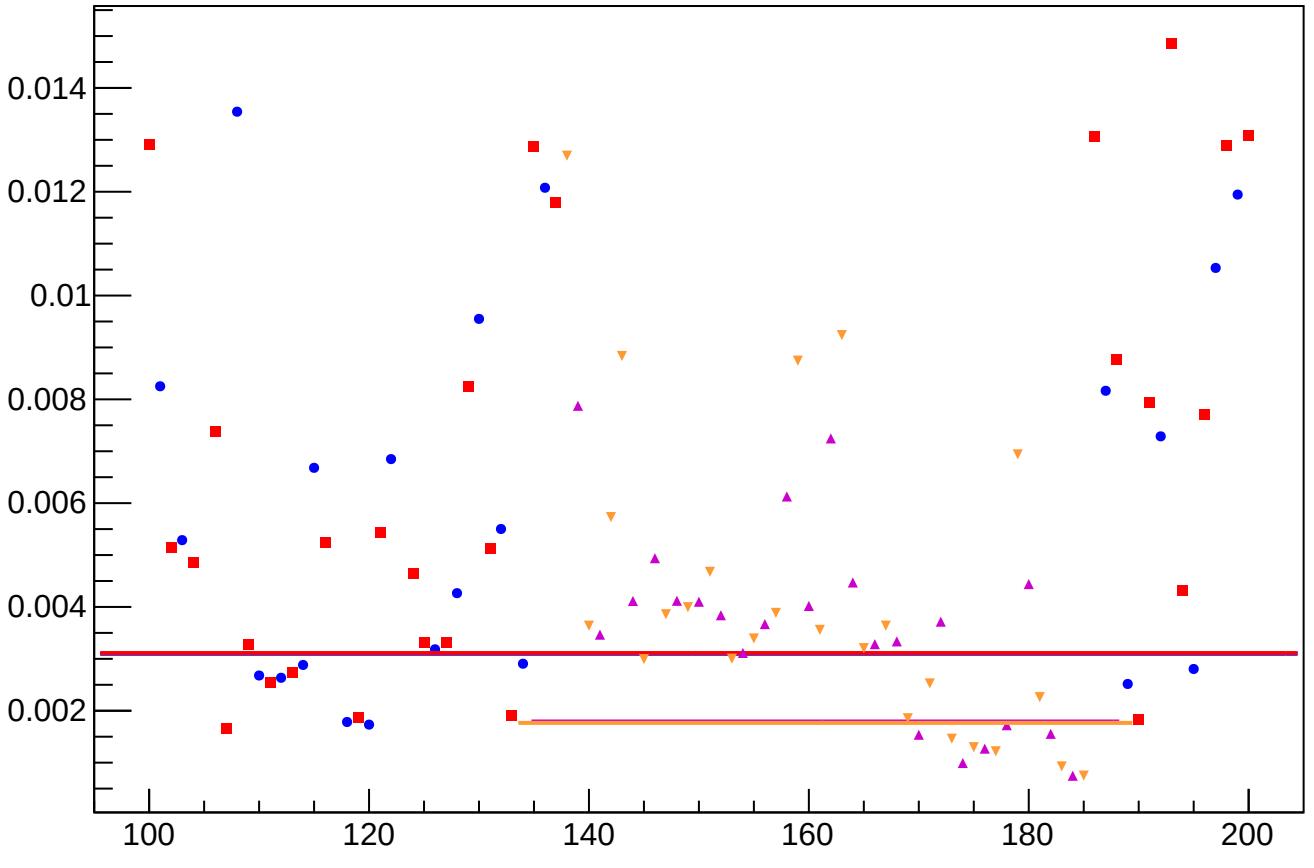
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.2/49

In: 0.000+/-0.000 χ^2/NDF:56.0/44

Out: -0.000+/-0.000 χ^2/NDF:58.8/52

All: -0.000+/-0.000 χ^2/NDF: 115.7/97



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

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

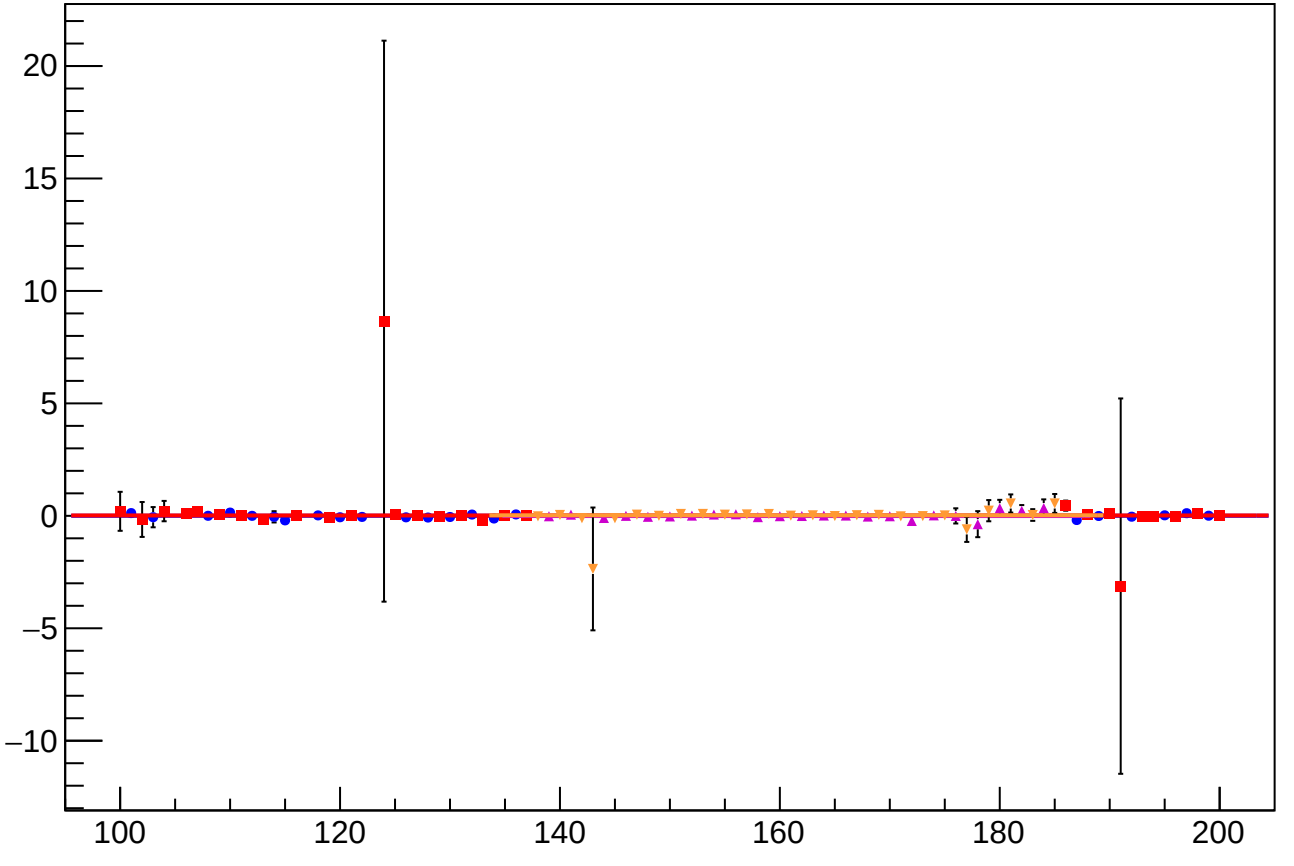
Right: 0.003+/-0.000 χ^2/NDF: 15526866.5/49

In: 0.002+/-0.000 χ^2/NDF:19630316.4/44

Out: 0.002+/-0.000 χ^2/NDF:24390381.6/52

All: 0.002+/-0.000 χ^2/NDF: 44021130.5/97

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: 24.6/21

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

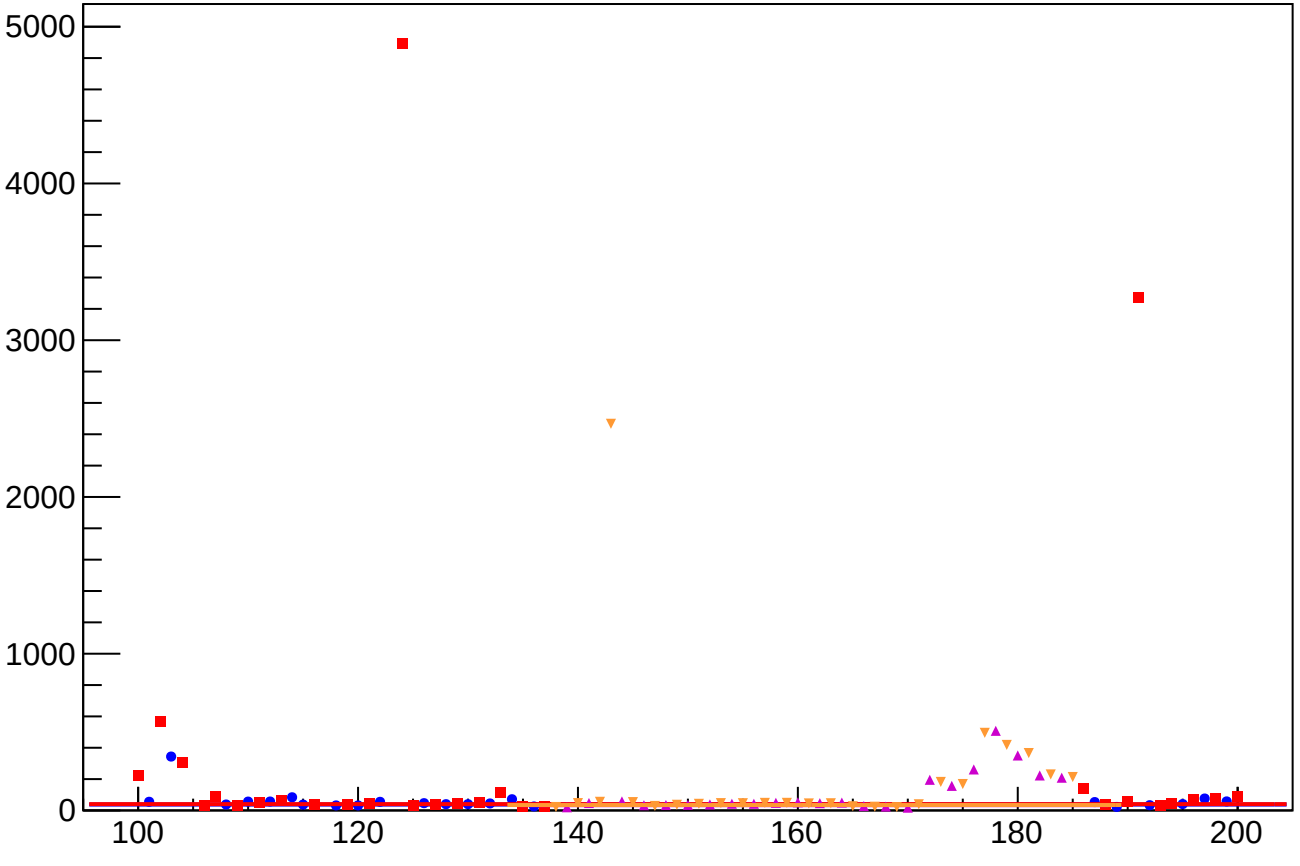
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

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

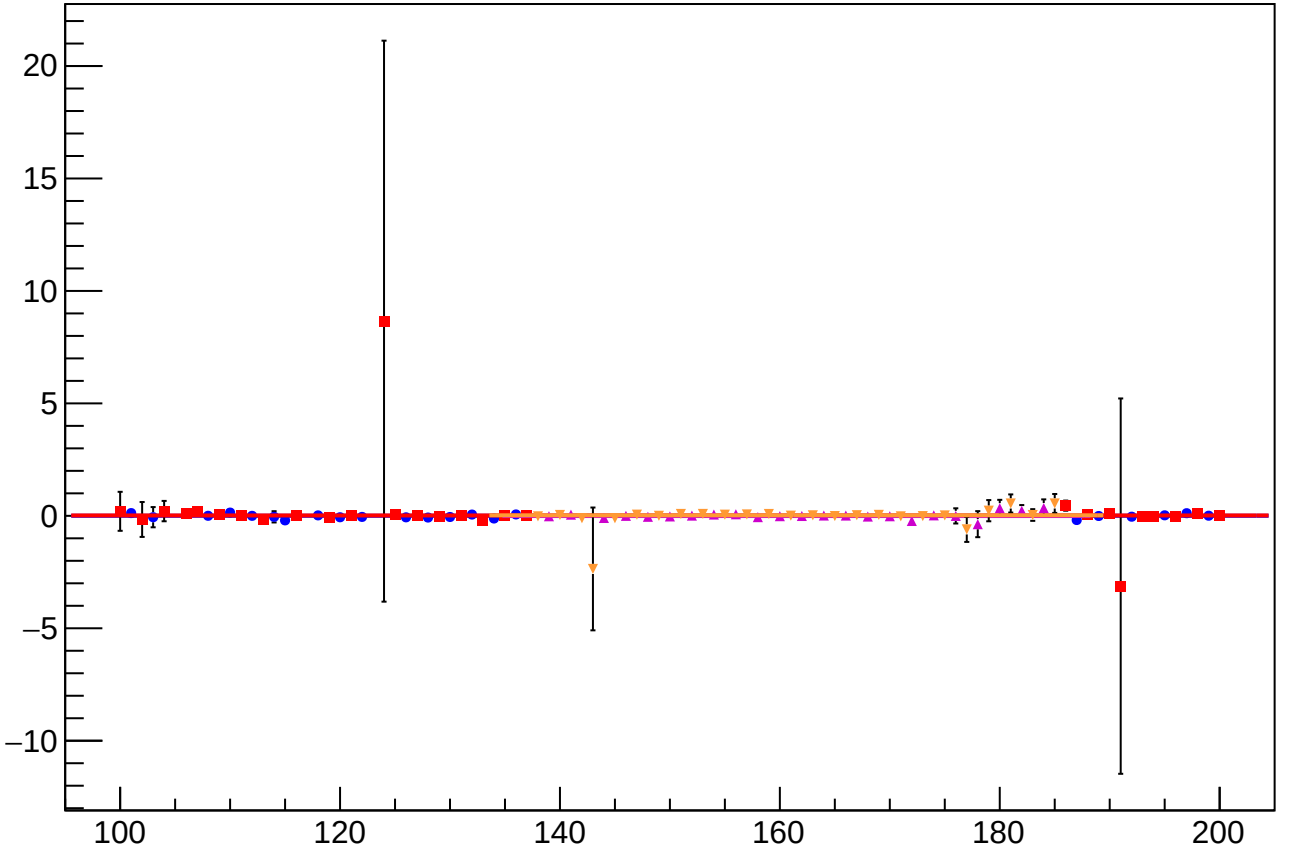
Right: 38.953+/-0.007 χ^2/NDF: 8132761.5/49

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

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: 24.6/21

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

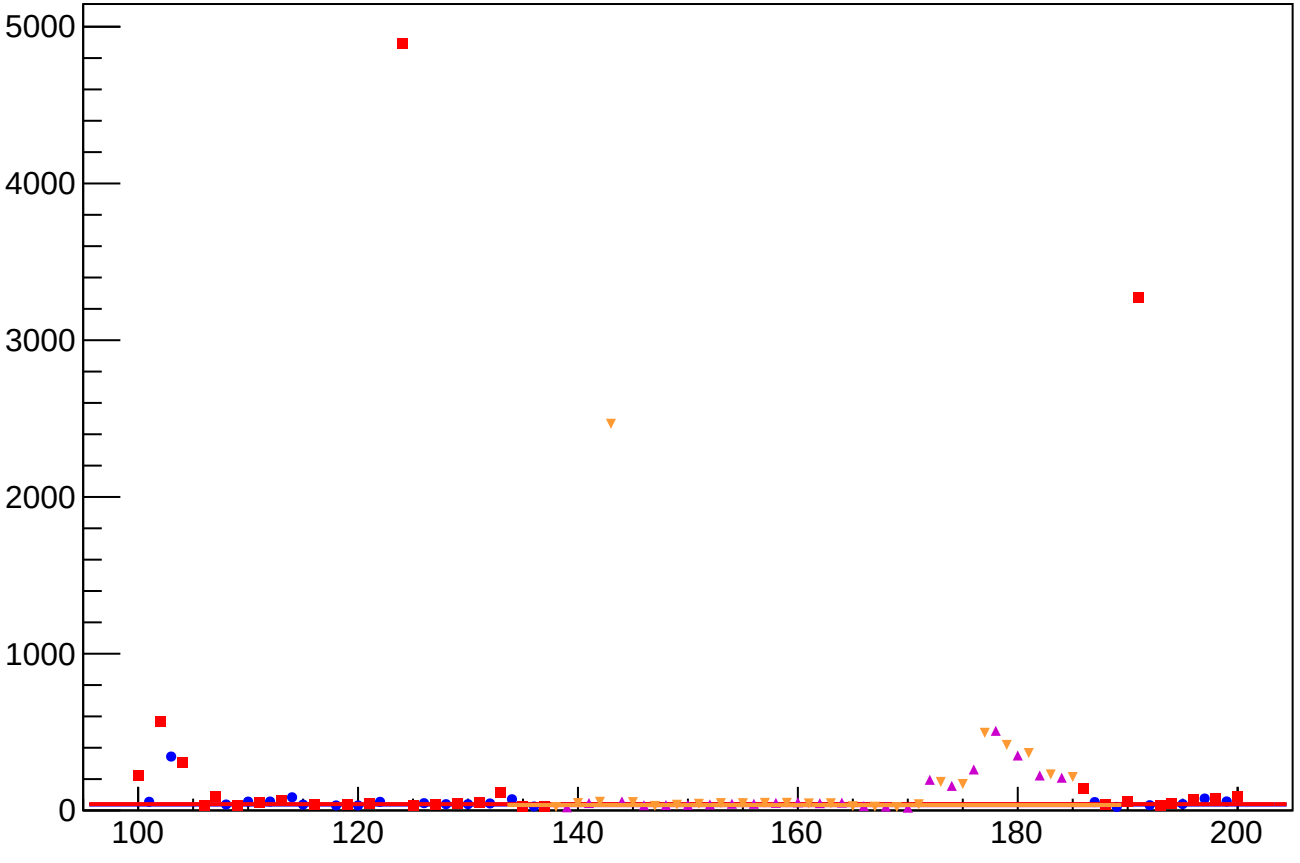
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

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

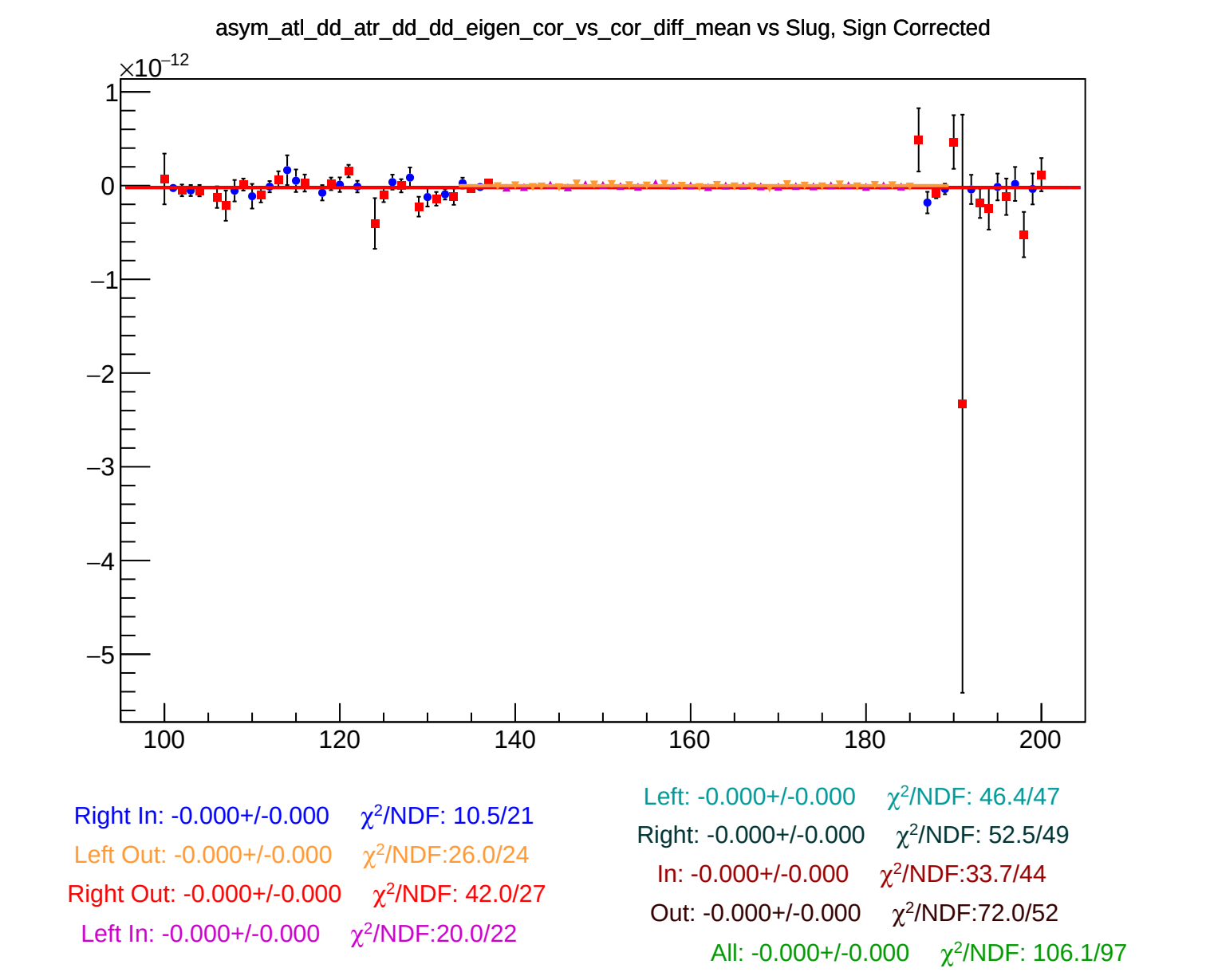
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

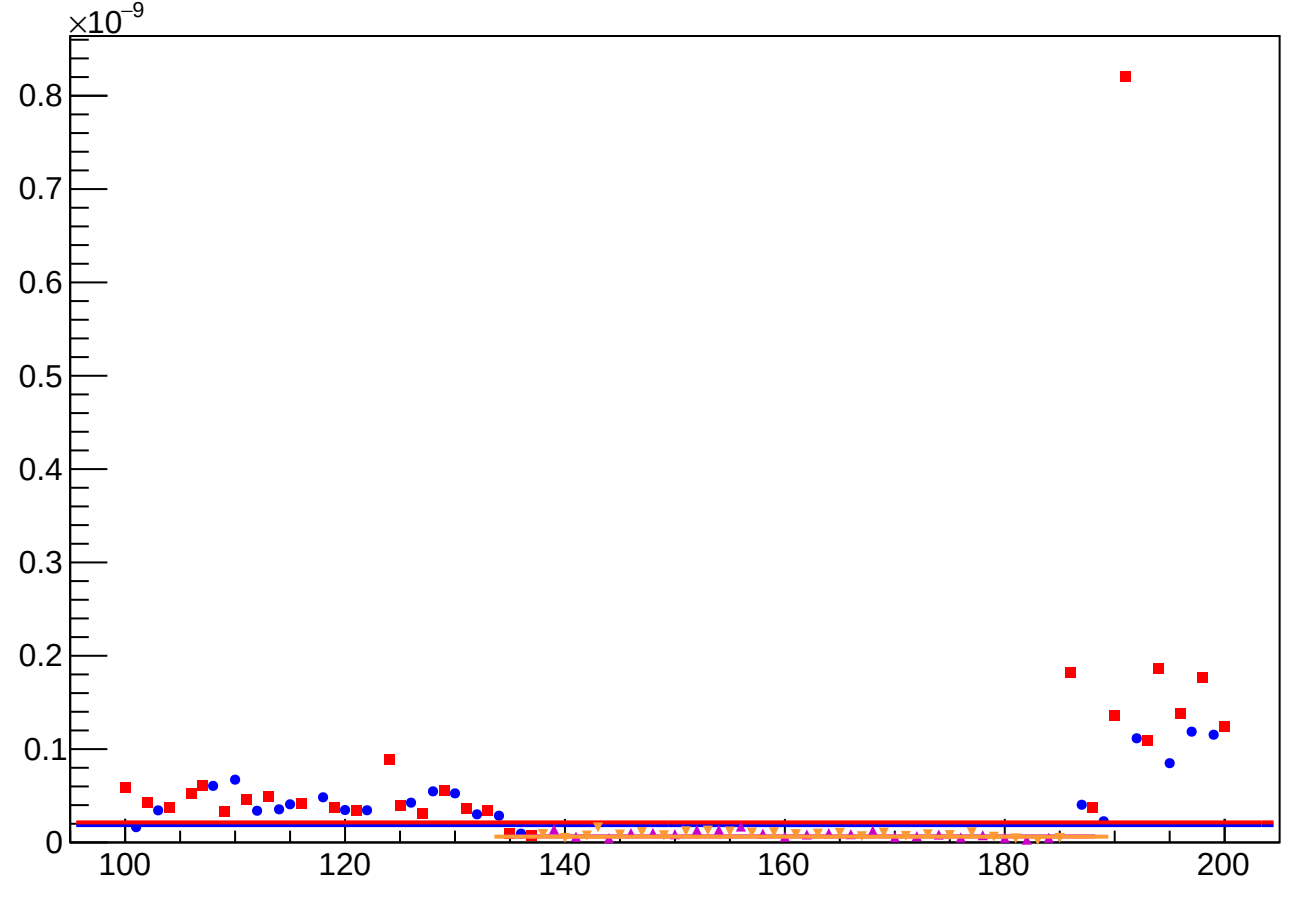
Right: 38.953+/-0.007 χ^2/NDF: 8132761.5/49

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 10.5/21
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.0/27
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 52.5/49
In: -0.000+/-0.000 χ²/NDF:33.7/44
Out: -0.000+/-0.000 χ²/NDF:72.0/52
All: -0.000+/-0.000 χ²/NDF: 106.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

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

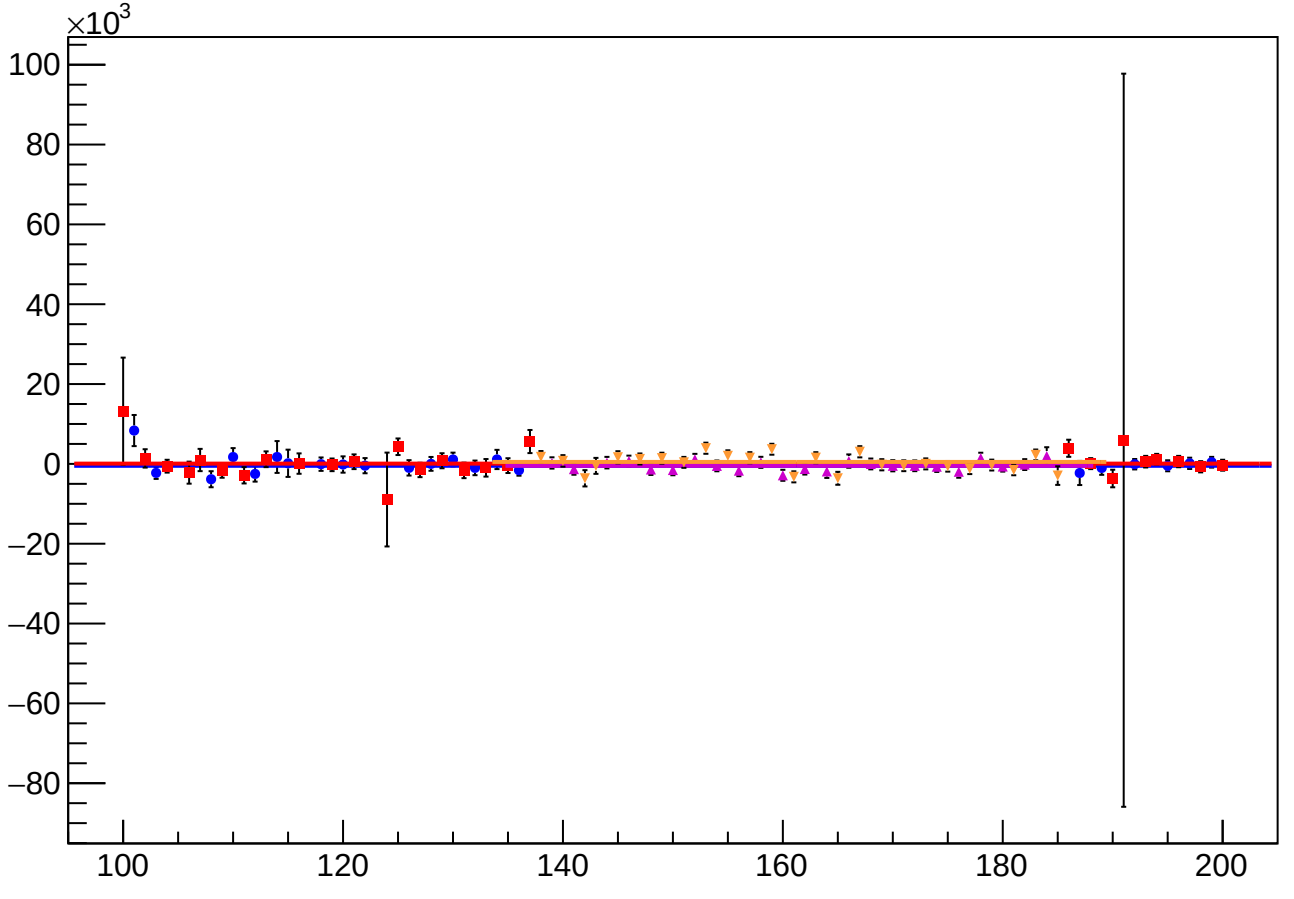
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14743805.9/49

In: 0.000+/-0.000 χ^2/NDF:12780032.8/44

Out: 0.000+/-0.000 χ^2/NDF:17895832.5/52

All: 0.000+/-0.000 χ^2/NDF: 30700766.8/97



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

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

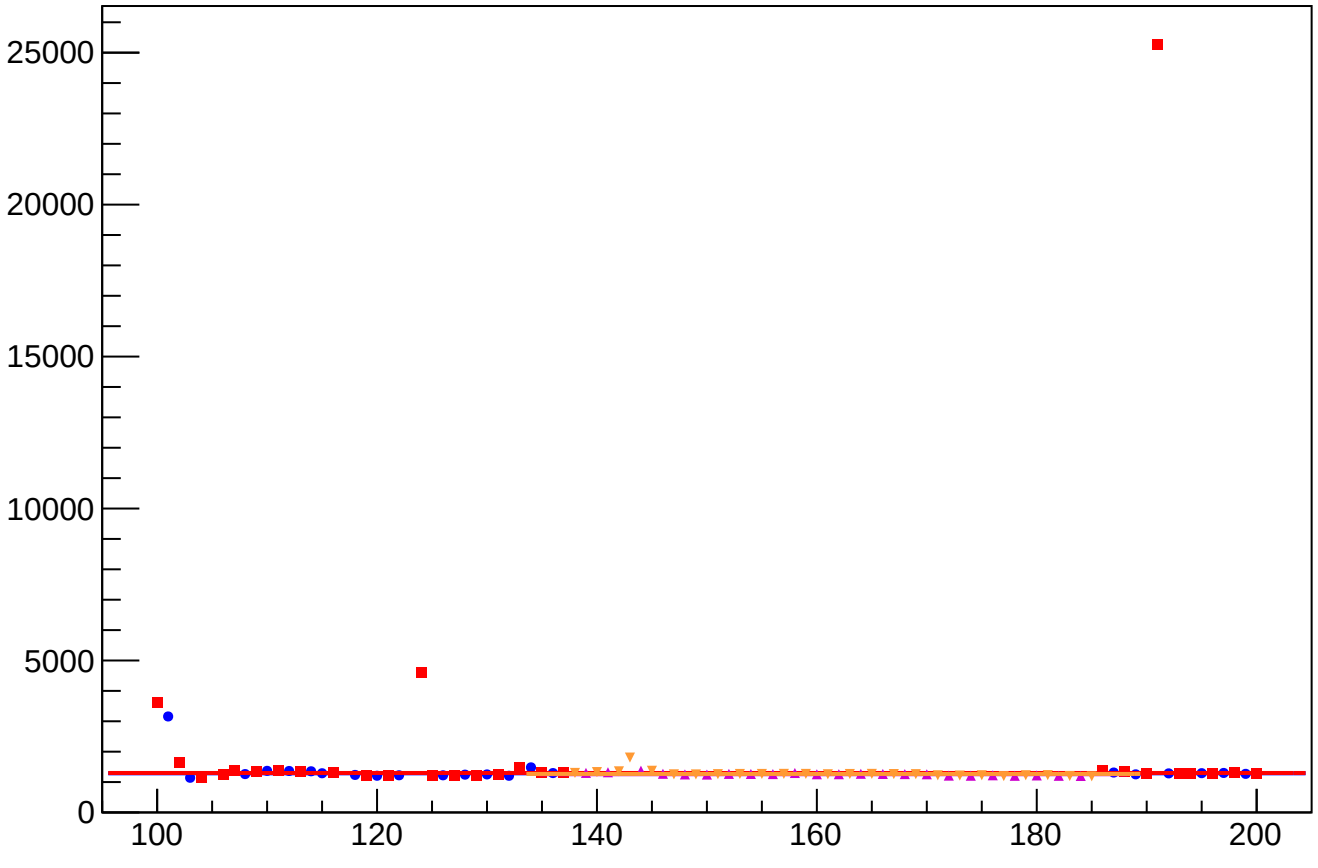
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -188.120+/-262.408 χ^2/NDF: 39.6/49

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -64.548+/-161.955 χ^2/NDF: 106.9/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

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

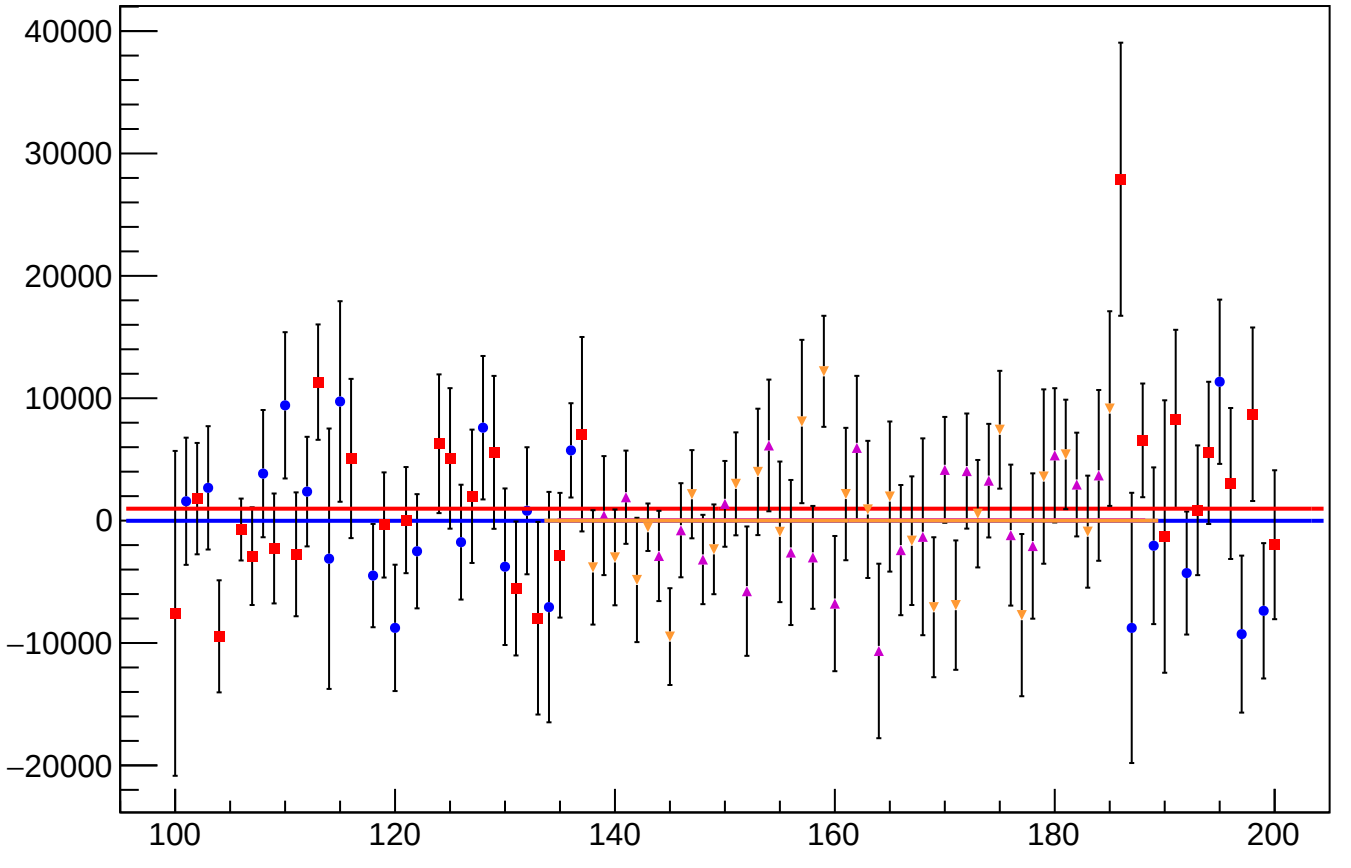
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.566+/-0.185 χ^2/NDF: 983442.9/49

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

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

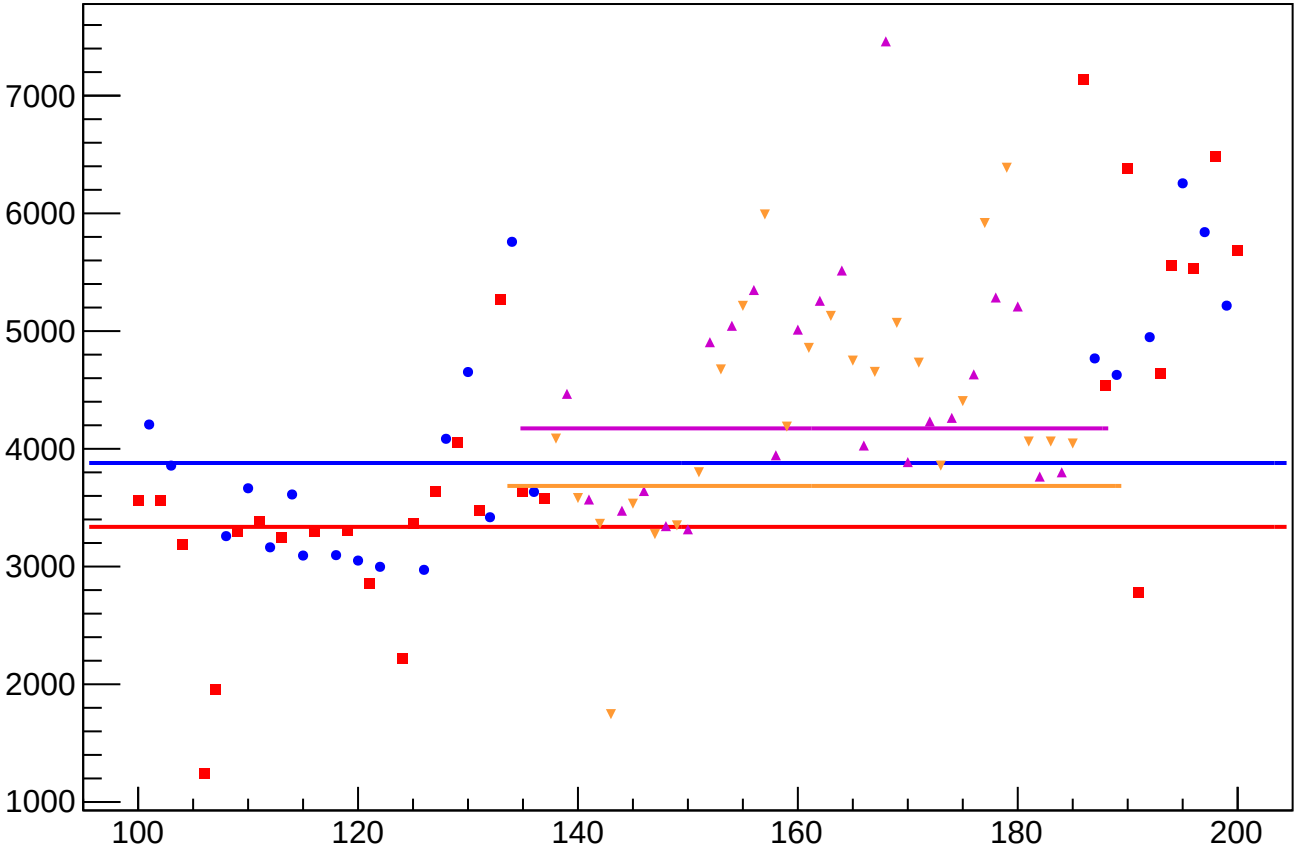
Right: 567.495+/-755.843 χ^2/NDF: 52.8/49

In: 12.302+/-760.262 χ^2/NDF:36.7/44

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 254.067+/-497.996 χ^2/NDF: 96.2/97

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

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

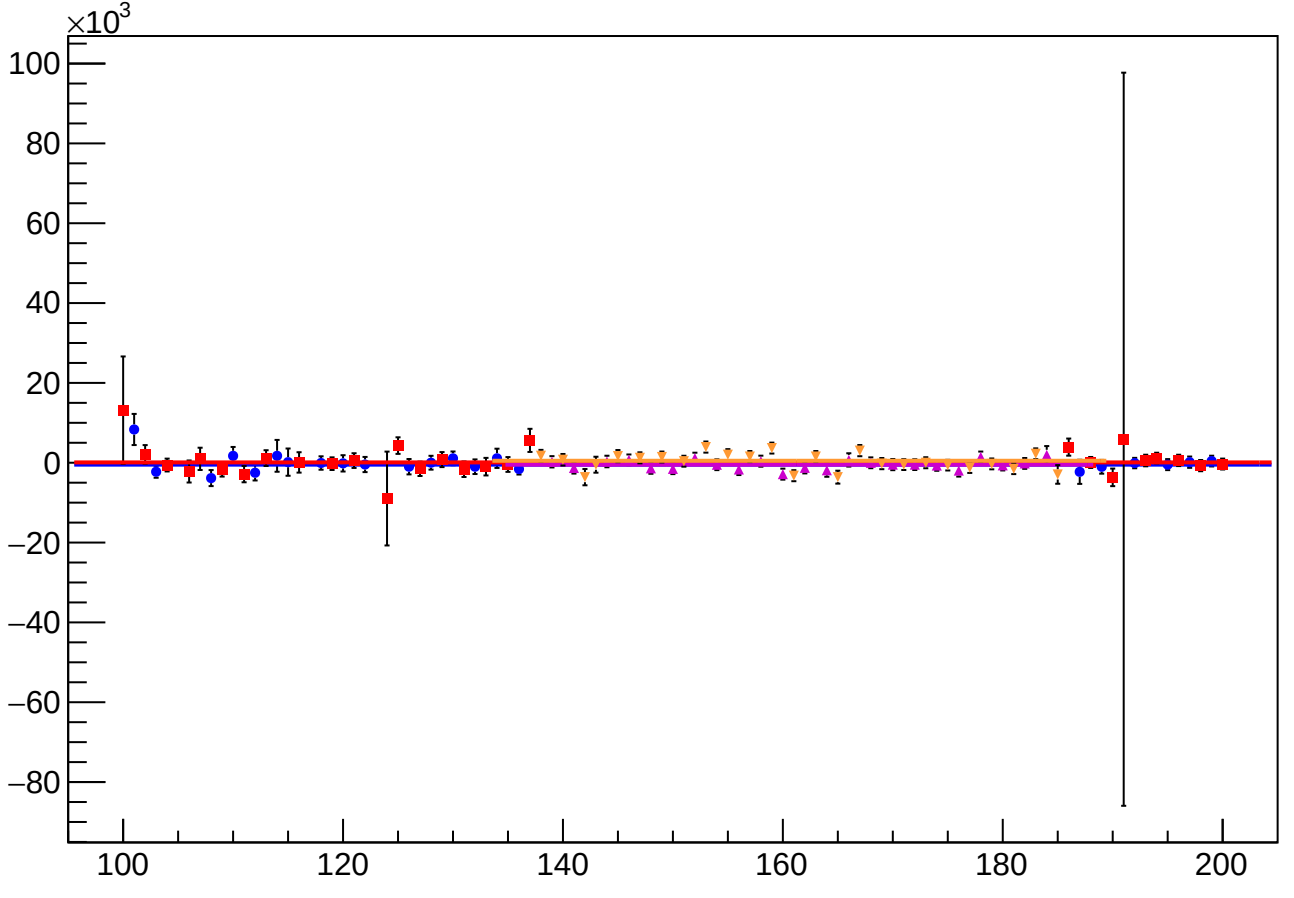
Right: 3560.423+/-0.534 χ^2/NDF: 5218792.9/49

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9

cor_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

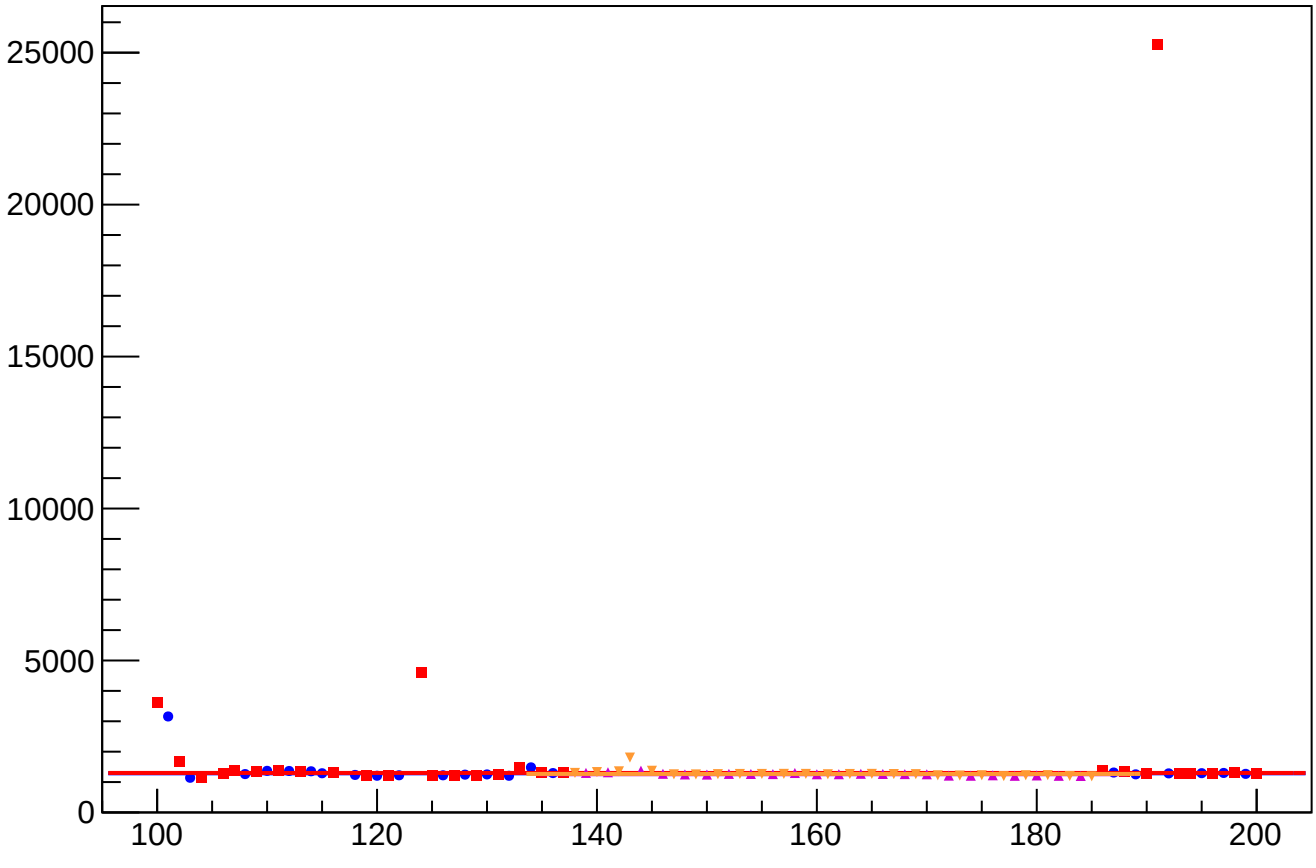
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

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

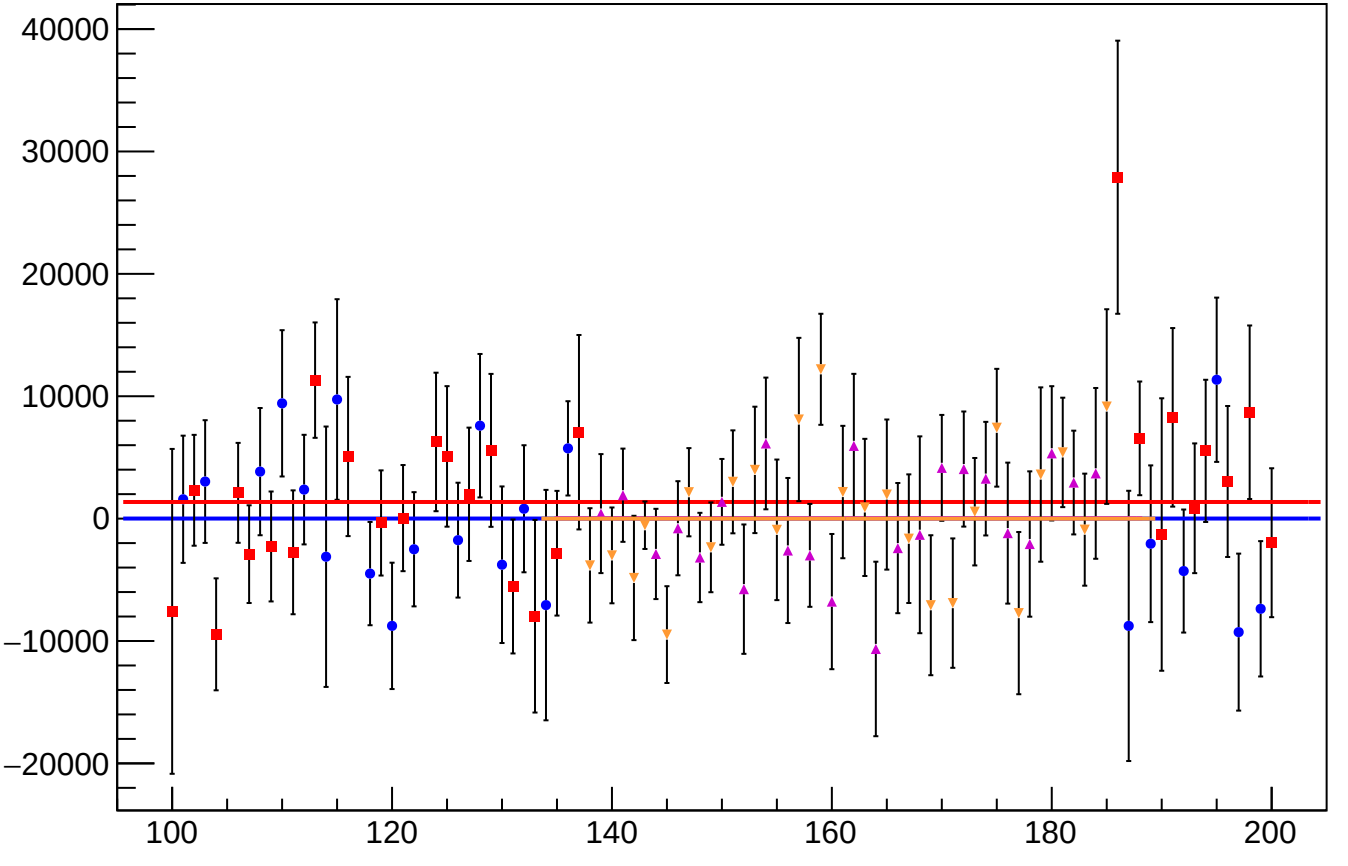
Right: 1294.150+/-0.185 χ^2/NDF: 990175.3/49

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

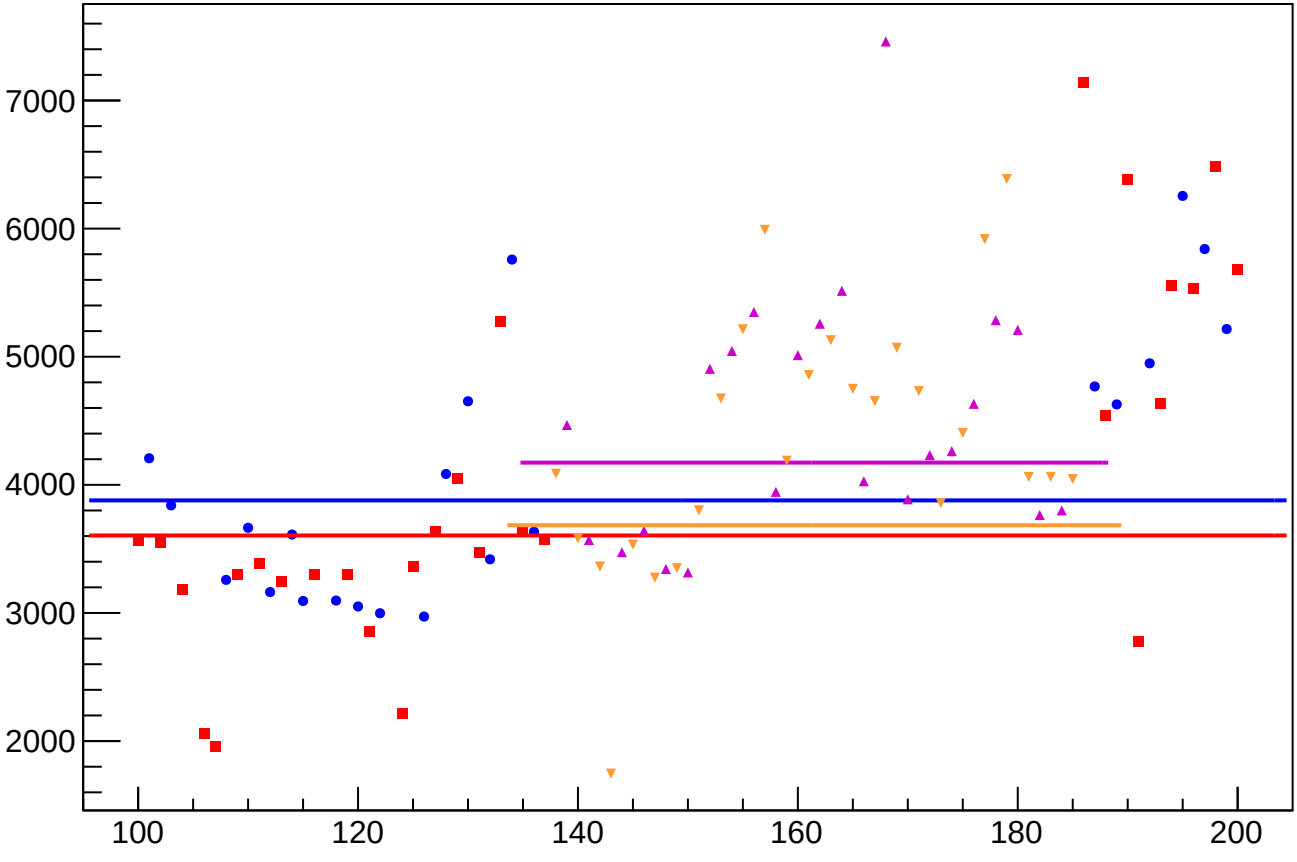
Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

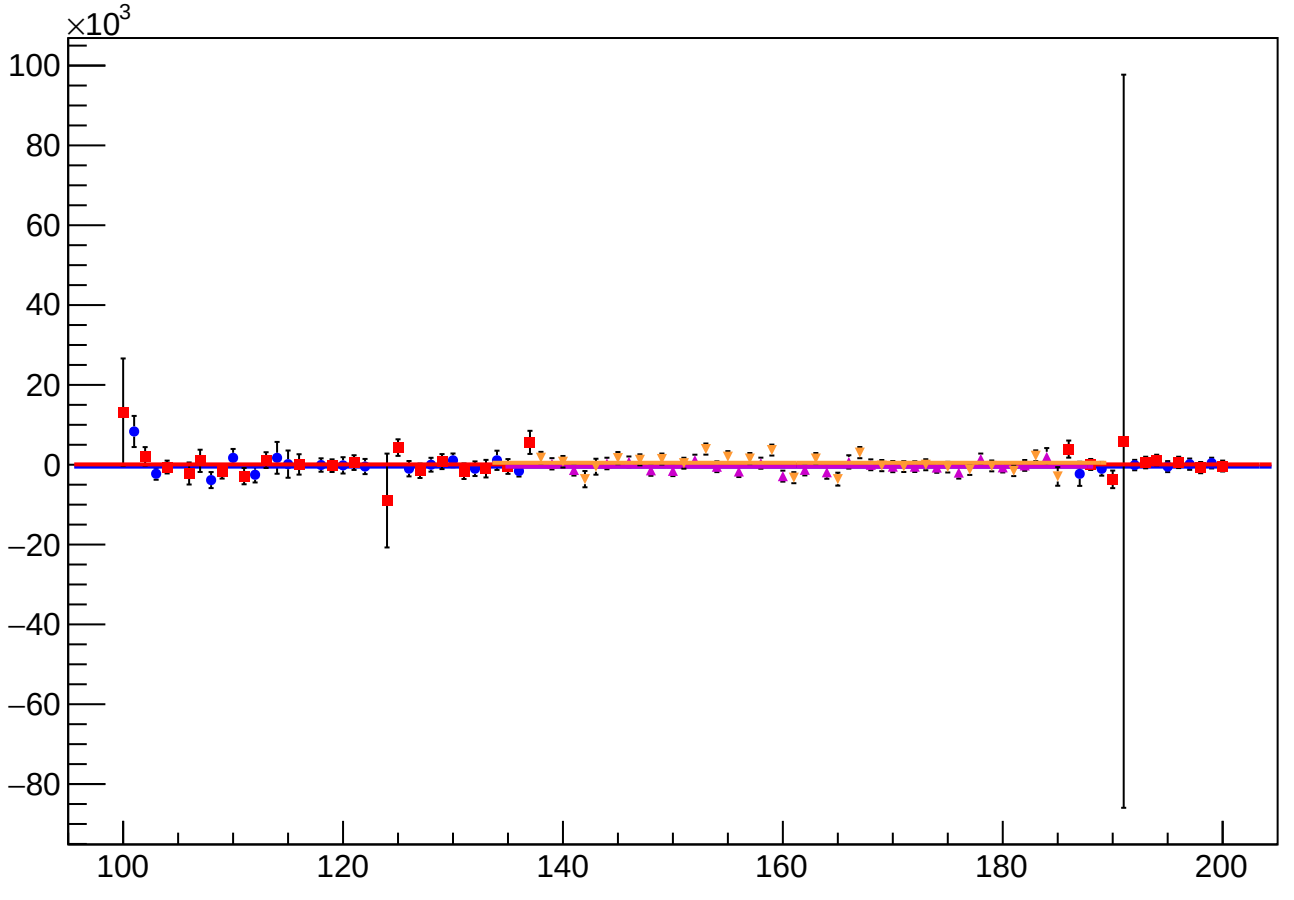
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

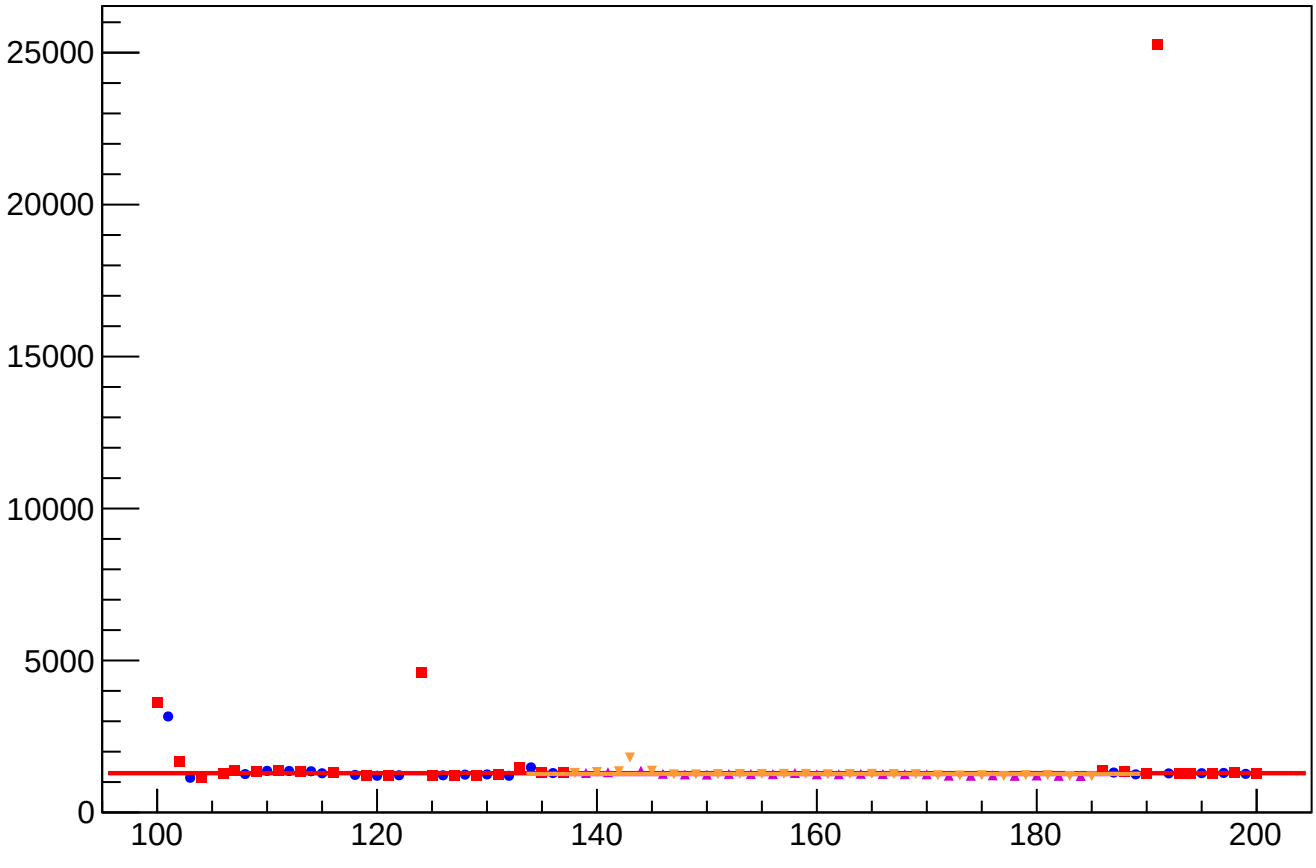
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

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

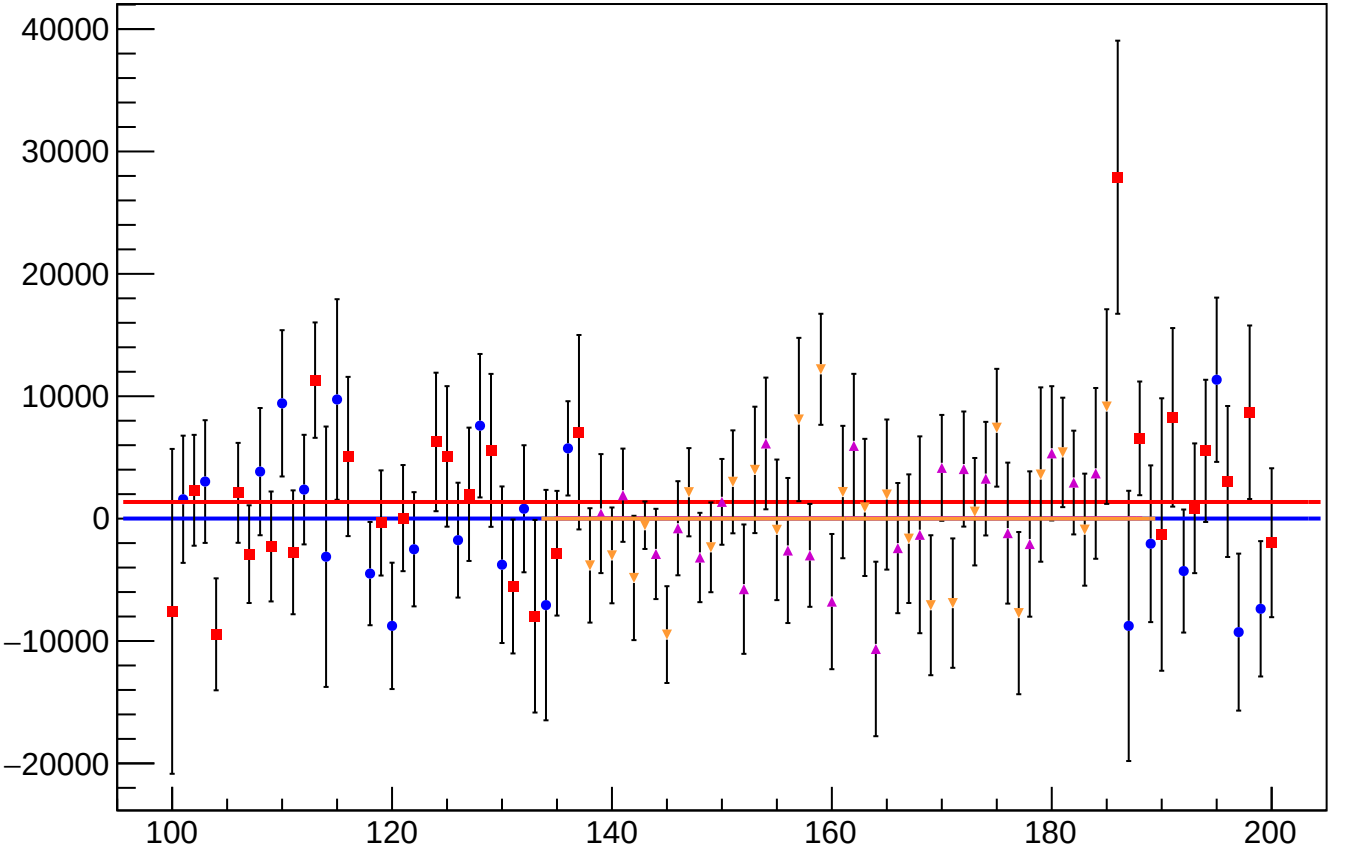
Right: 1294.150+/-0.185 χ^2/NDF: 990175.3/49

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

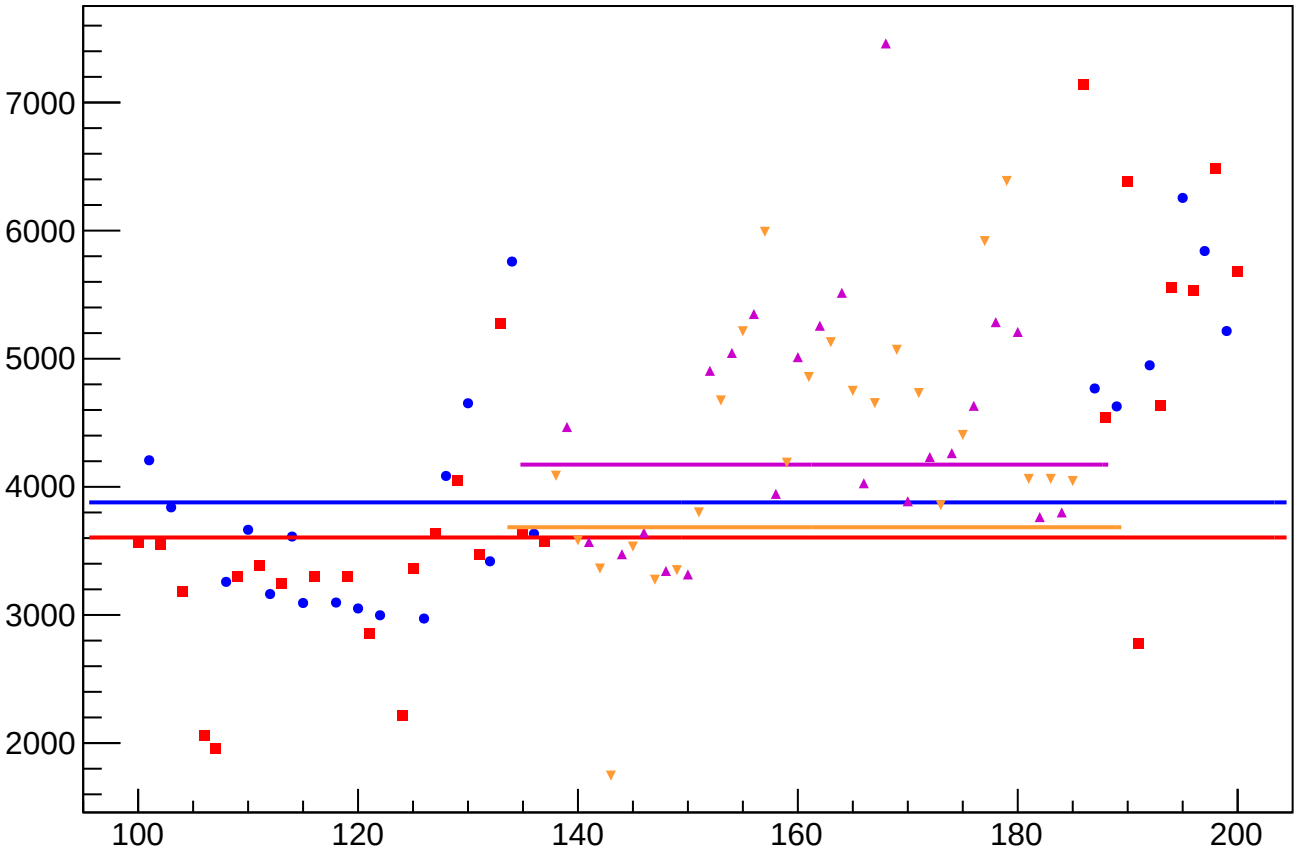
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

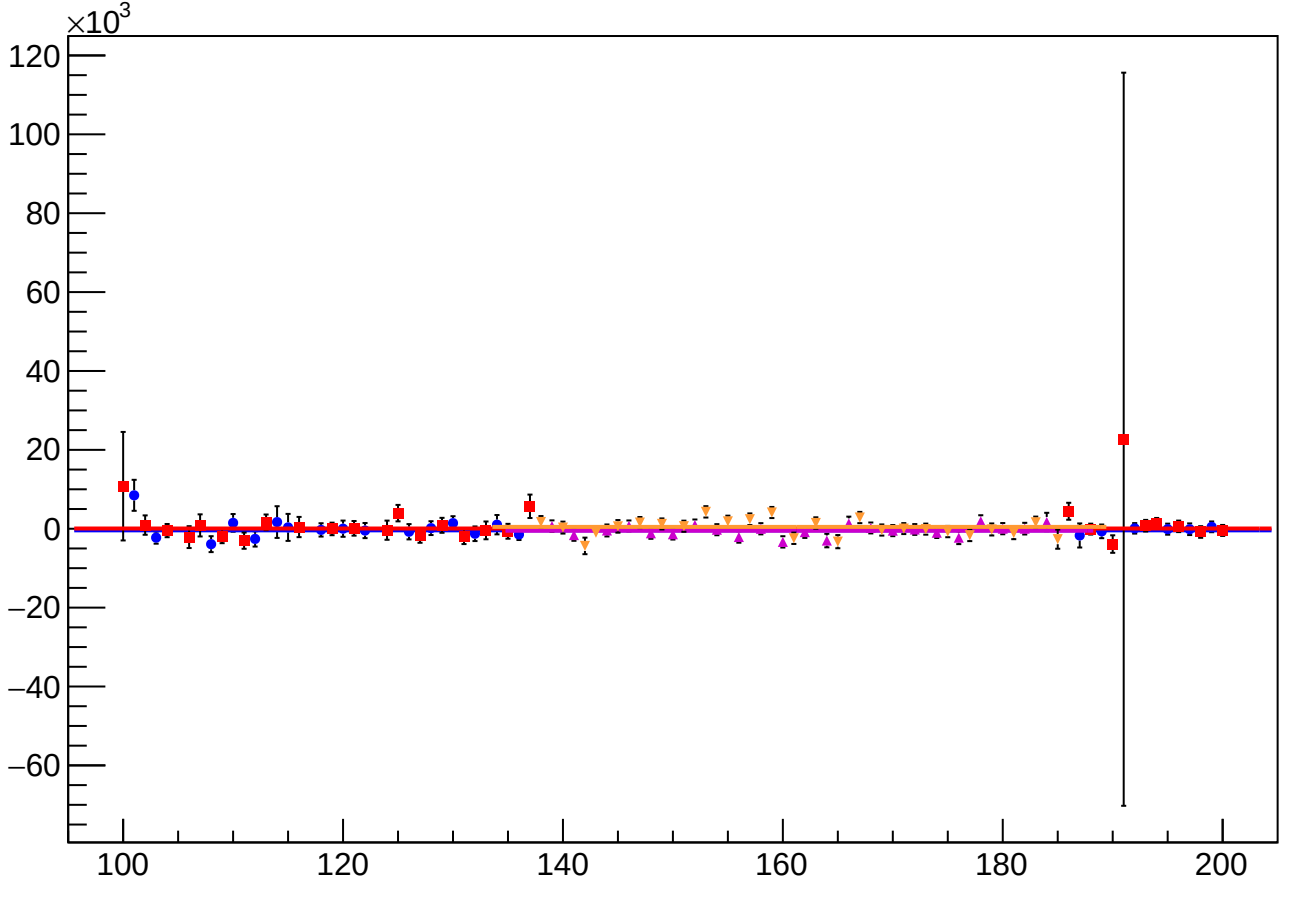
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

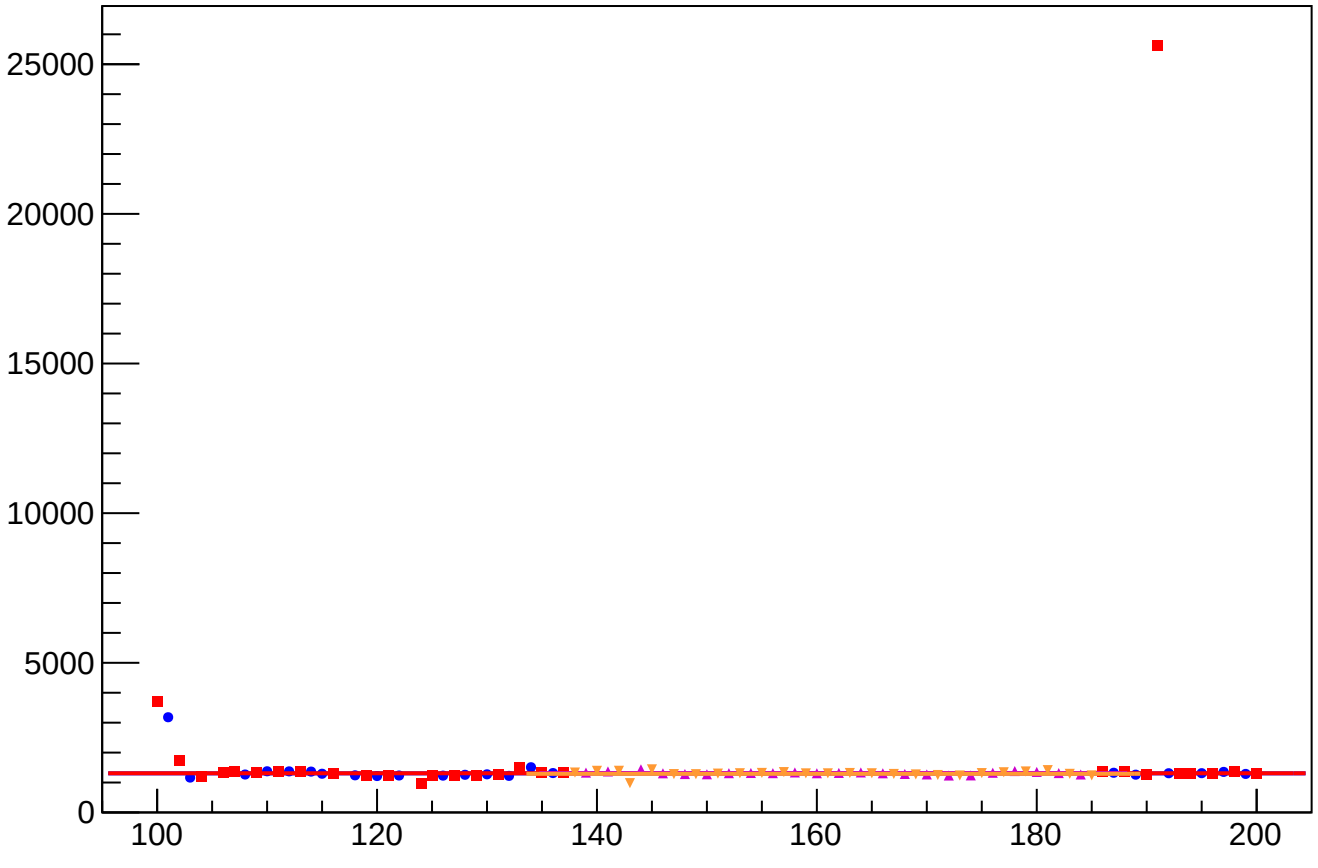
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -157.694+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -59.960+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

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

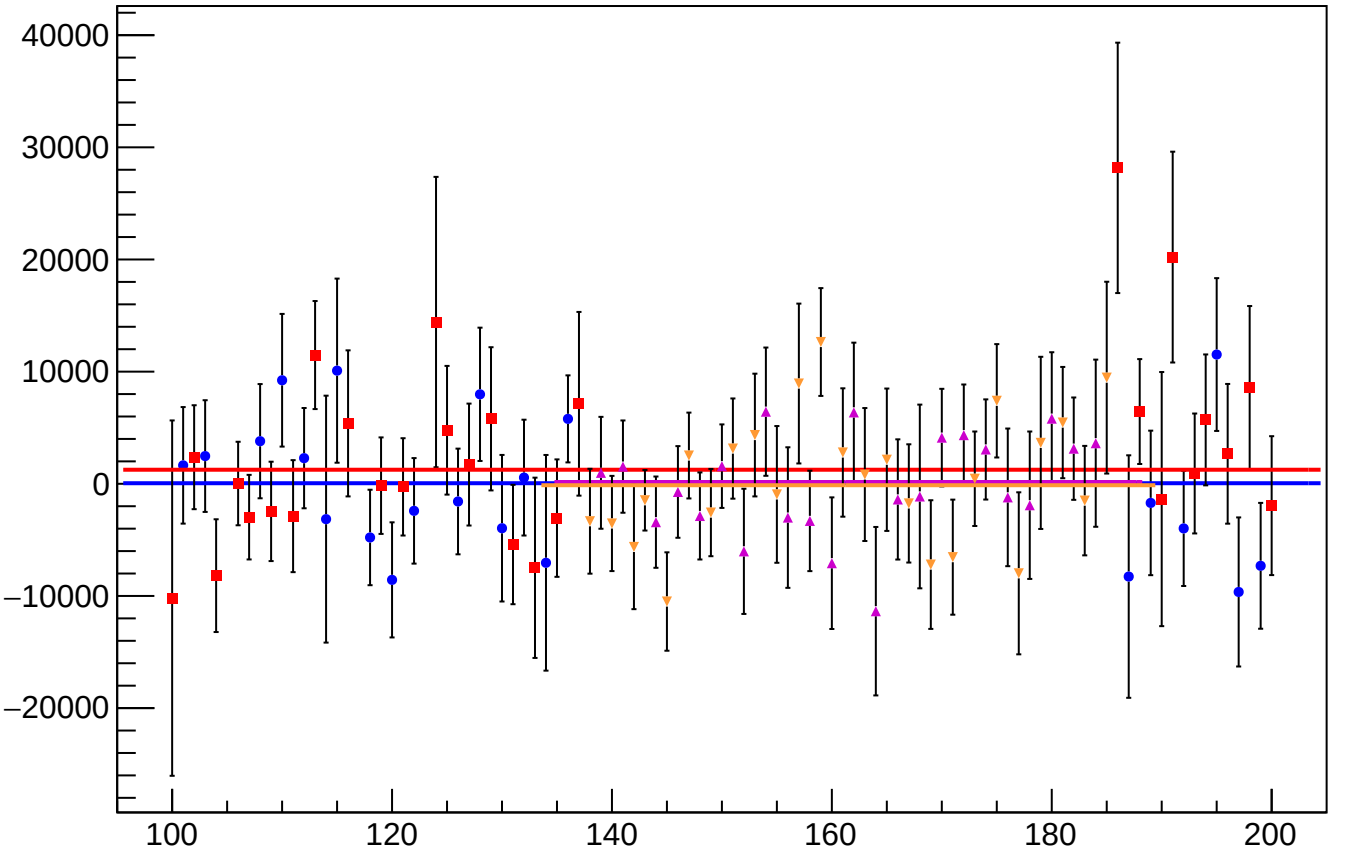
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1307.769+/-0.187 χ^2/NDF: 877899.1/49

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

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

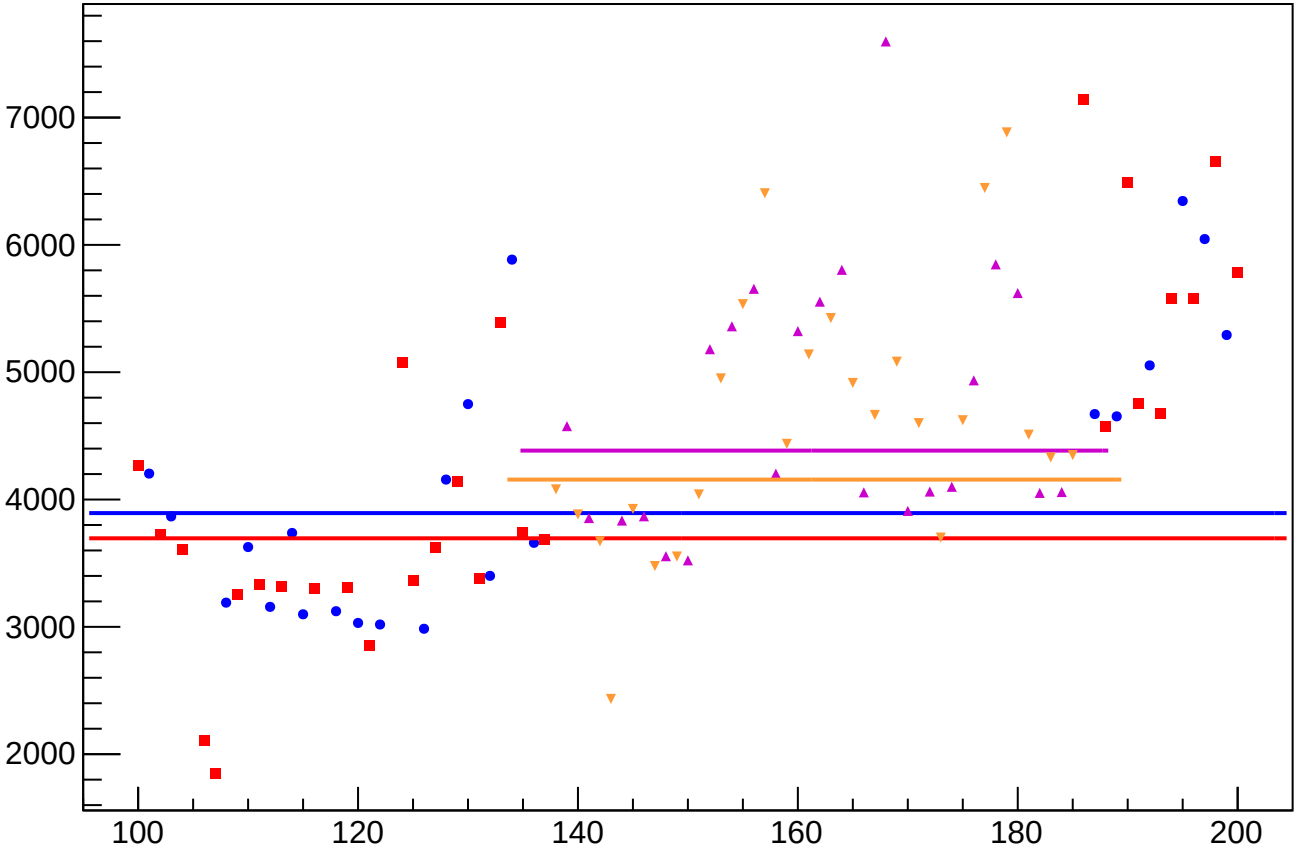
Right: 722.610+/-786.564 χ^2/NDF: 54.0/49

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.926+/-528.641 χ^2/NDF: 96.9/97

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

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

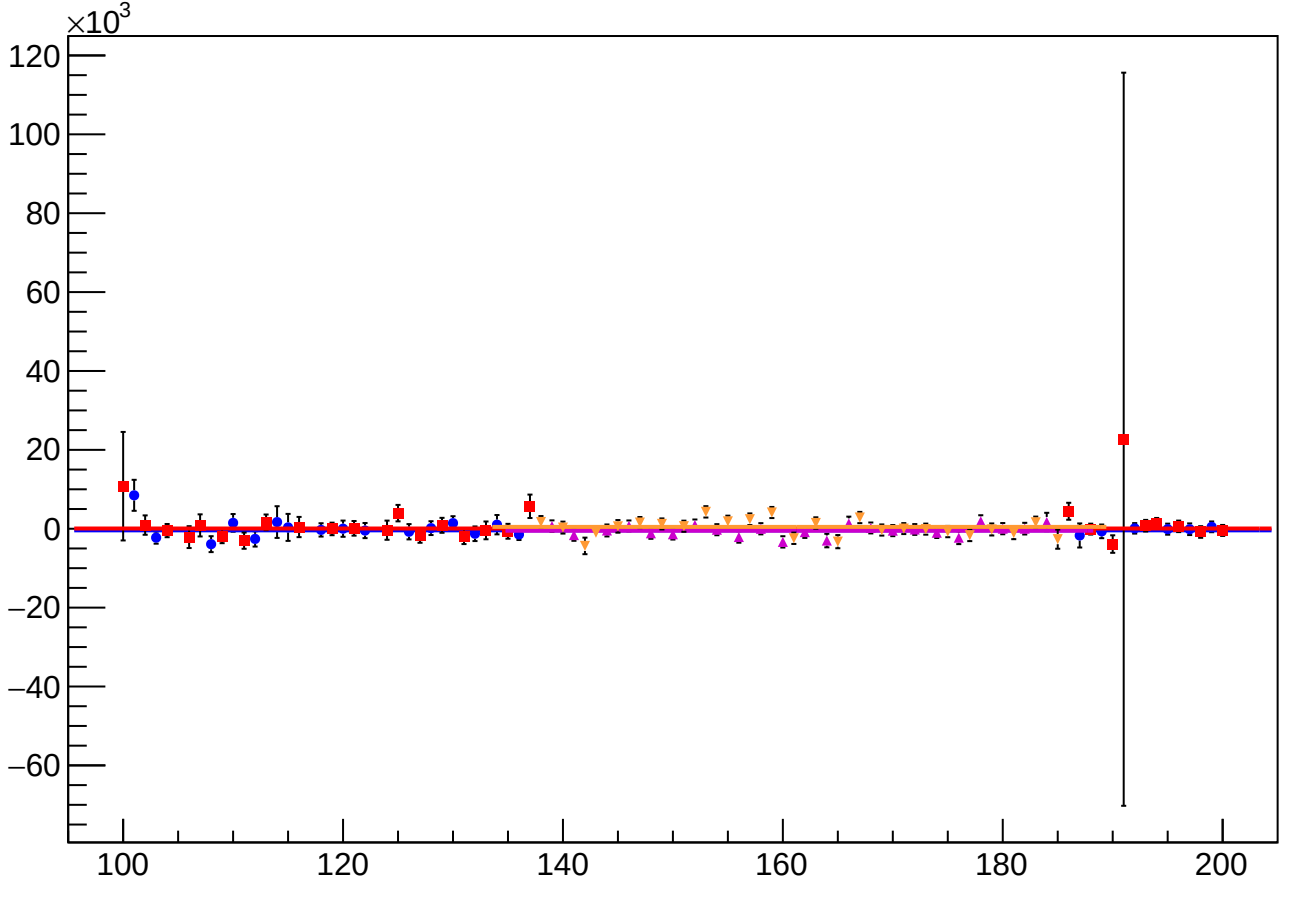
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3782.956+/-0.556 χ^2/NDF: 3848144.2/49

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

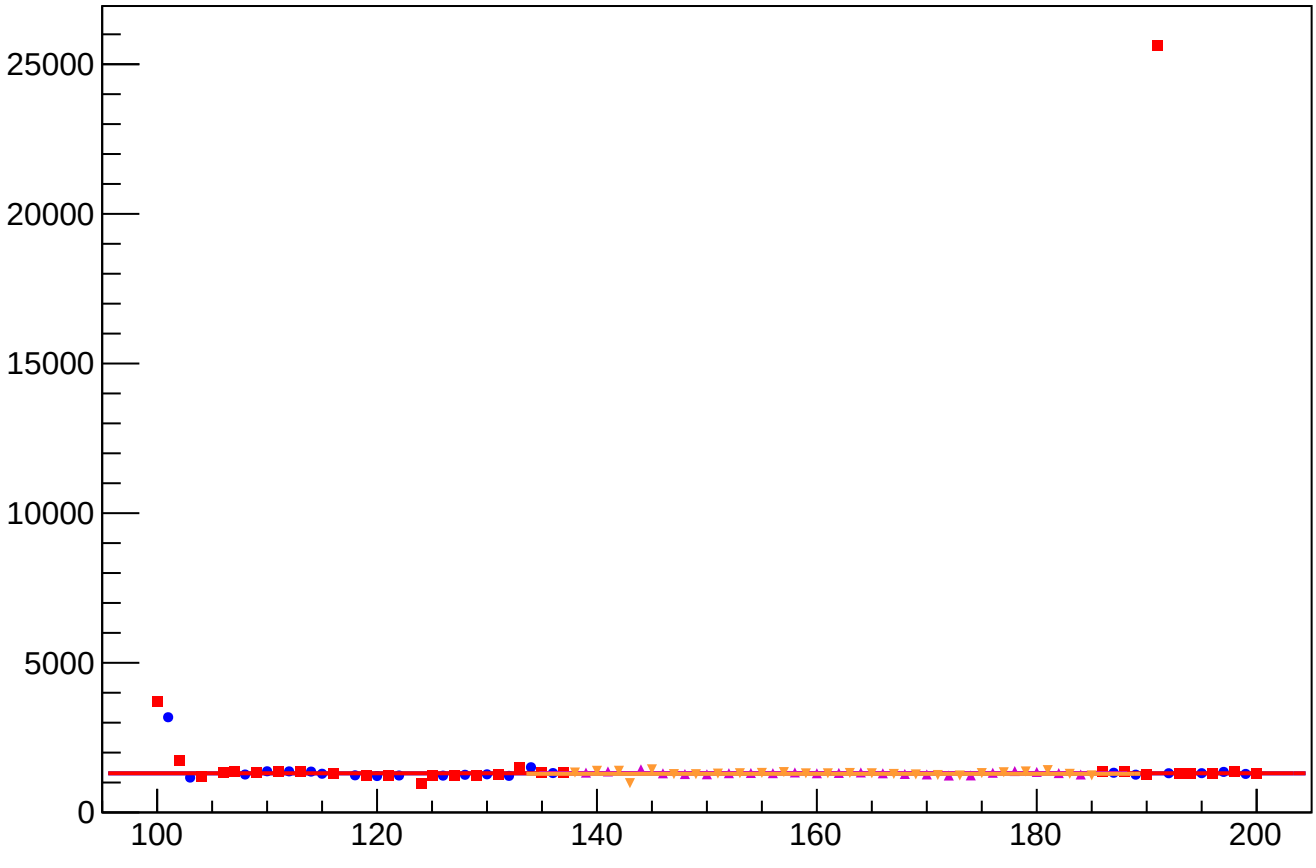
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -157.696+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -59.959+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

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

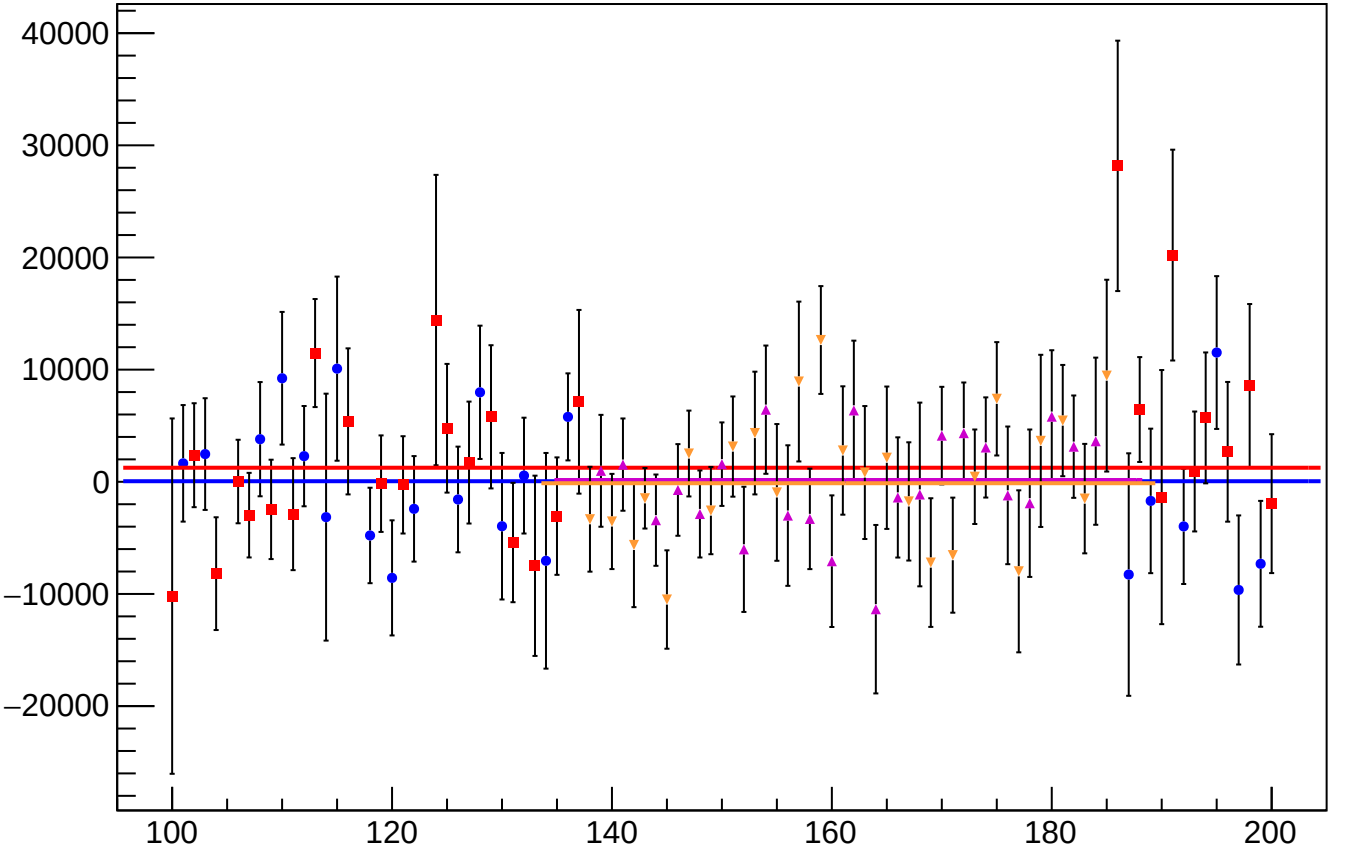
Right: 1307.769+/-0.187 χ^2/NDF: 877899.6/49

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

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

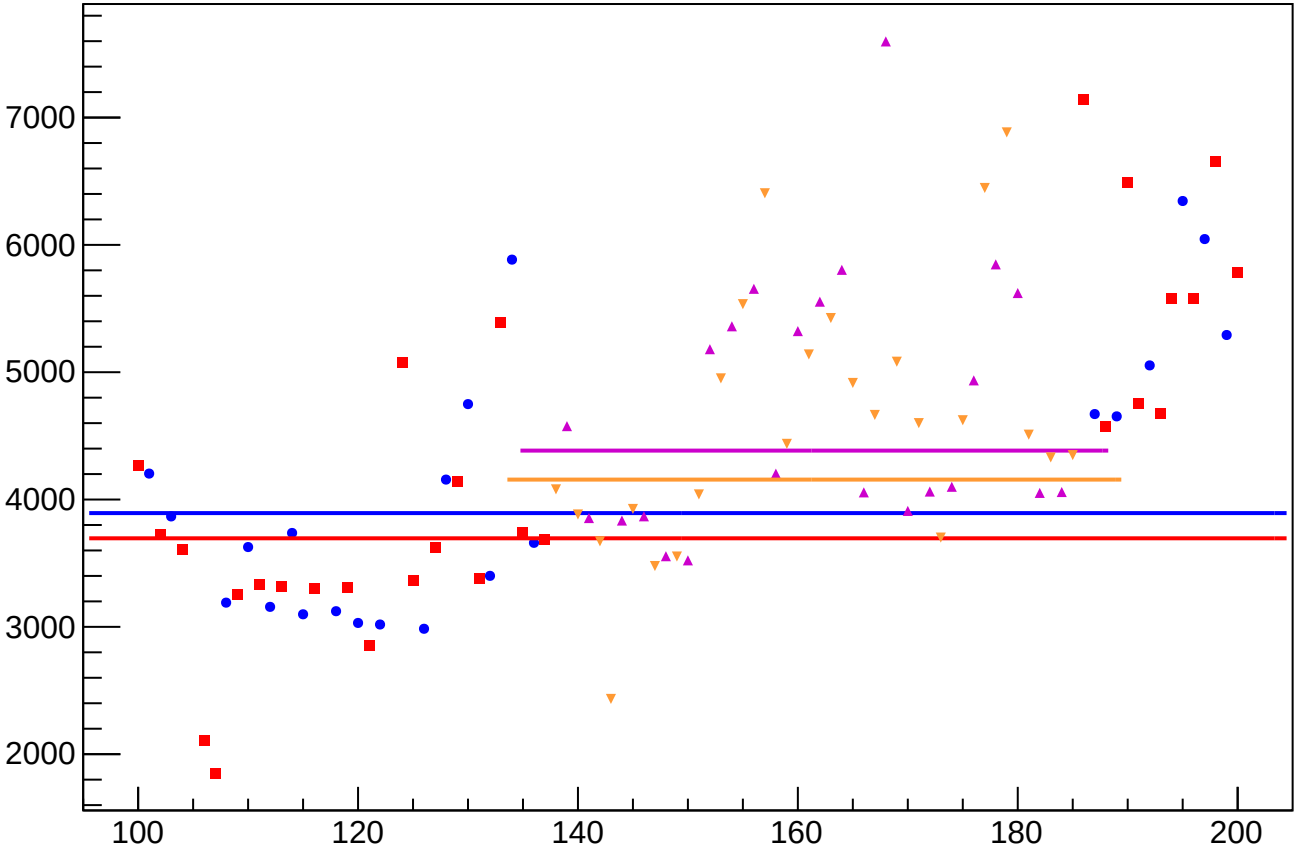
Right: 722.603+/-786.563 χ^2/NDF: 54.0/49

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.925+/-528.641 χ^2/NDF: 96.9/97

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

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

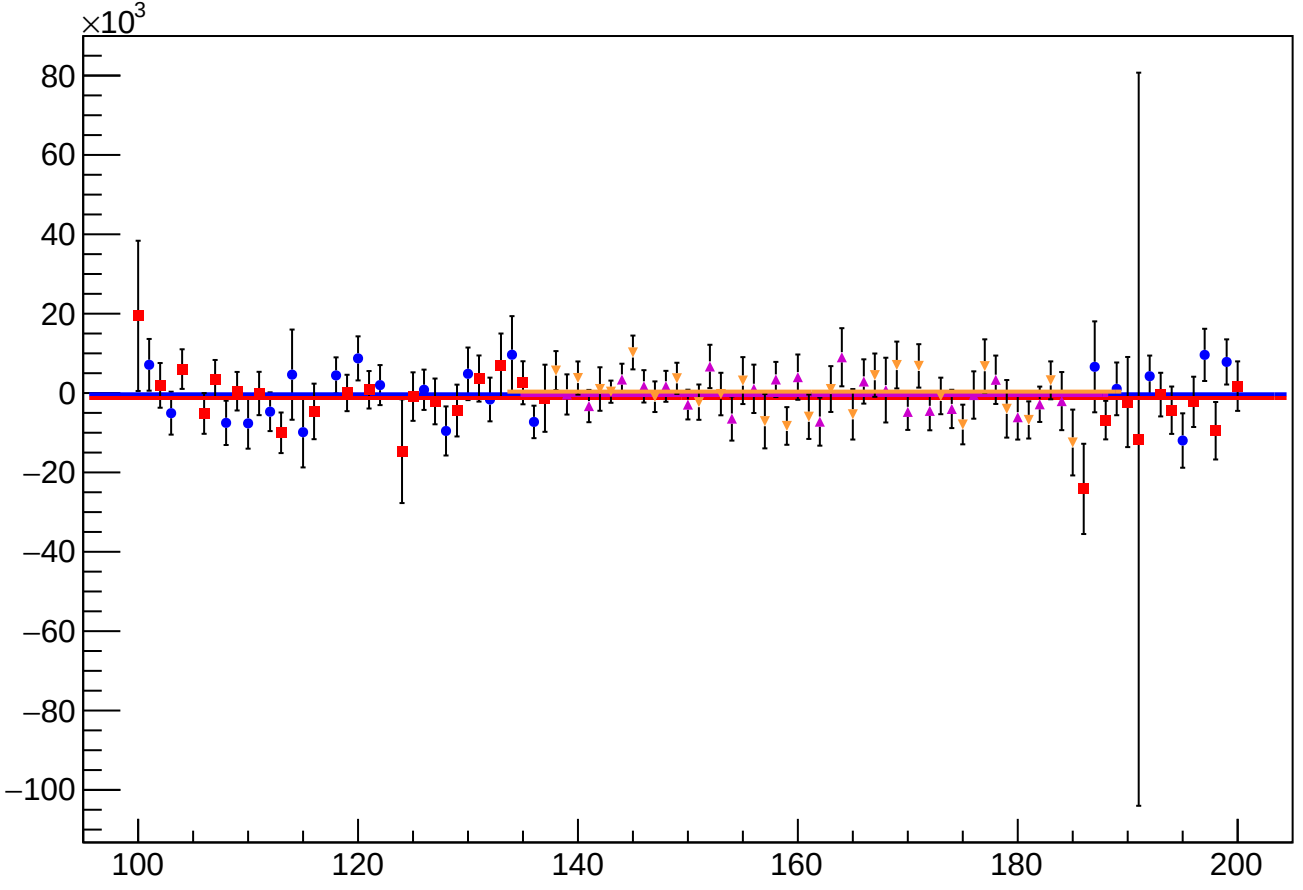
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3782.949+/-0.556 χ^2/NDF: 3848180.8/49

In: 4169.145+/-0.554 χ^2/NDF:2719913.5/44

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4046.038+/-0.374 χ^2/NDF: 7643162.4/97



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

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

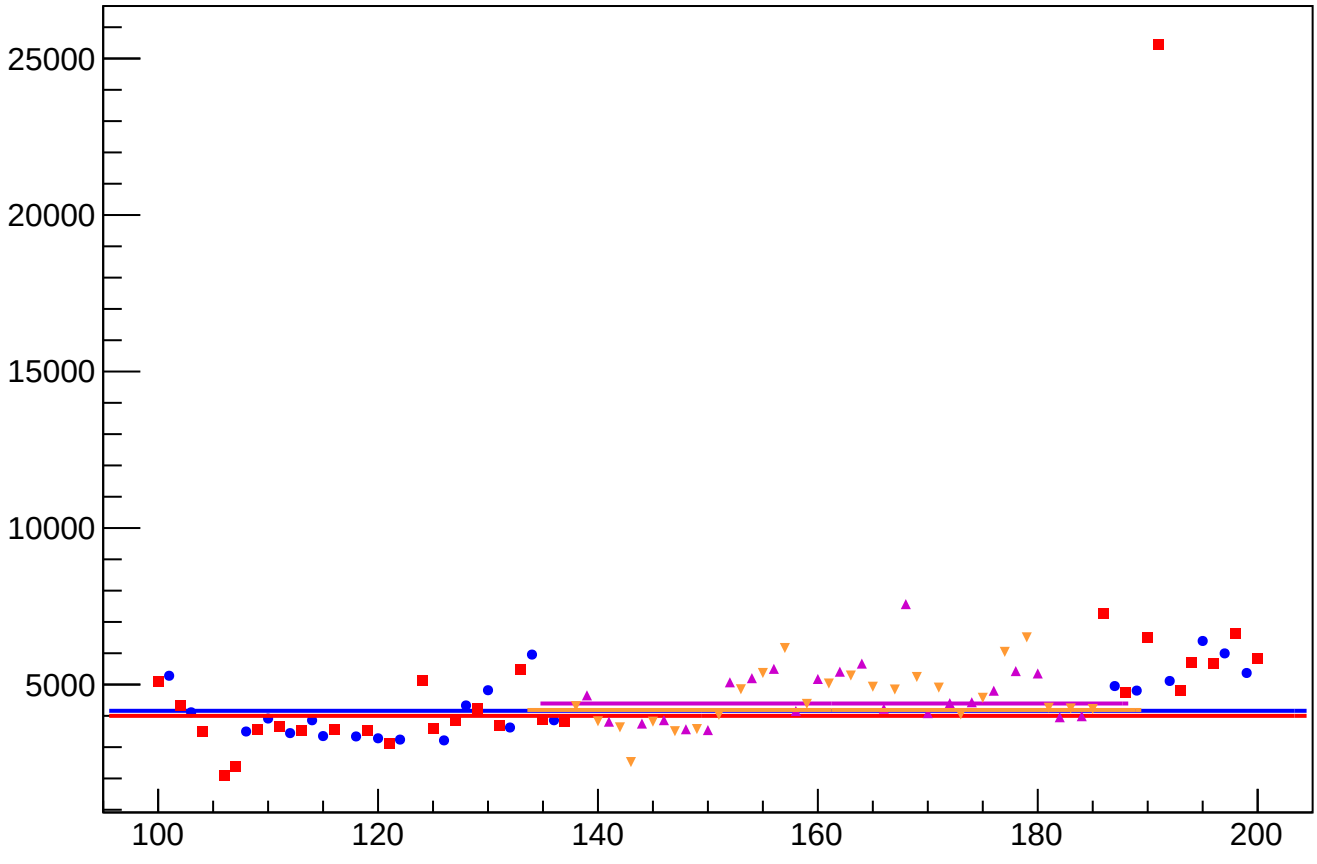
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -820.187+/-851.400 χ^2/NDF: 46.2/49

In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -362.491+/-547.396 χ^2/NDF: 88.6/97



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

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

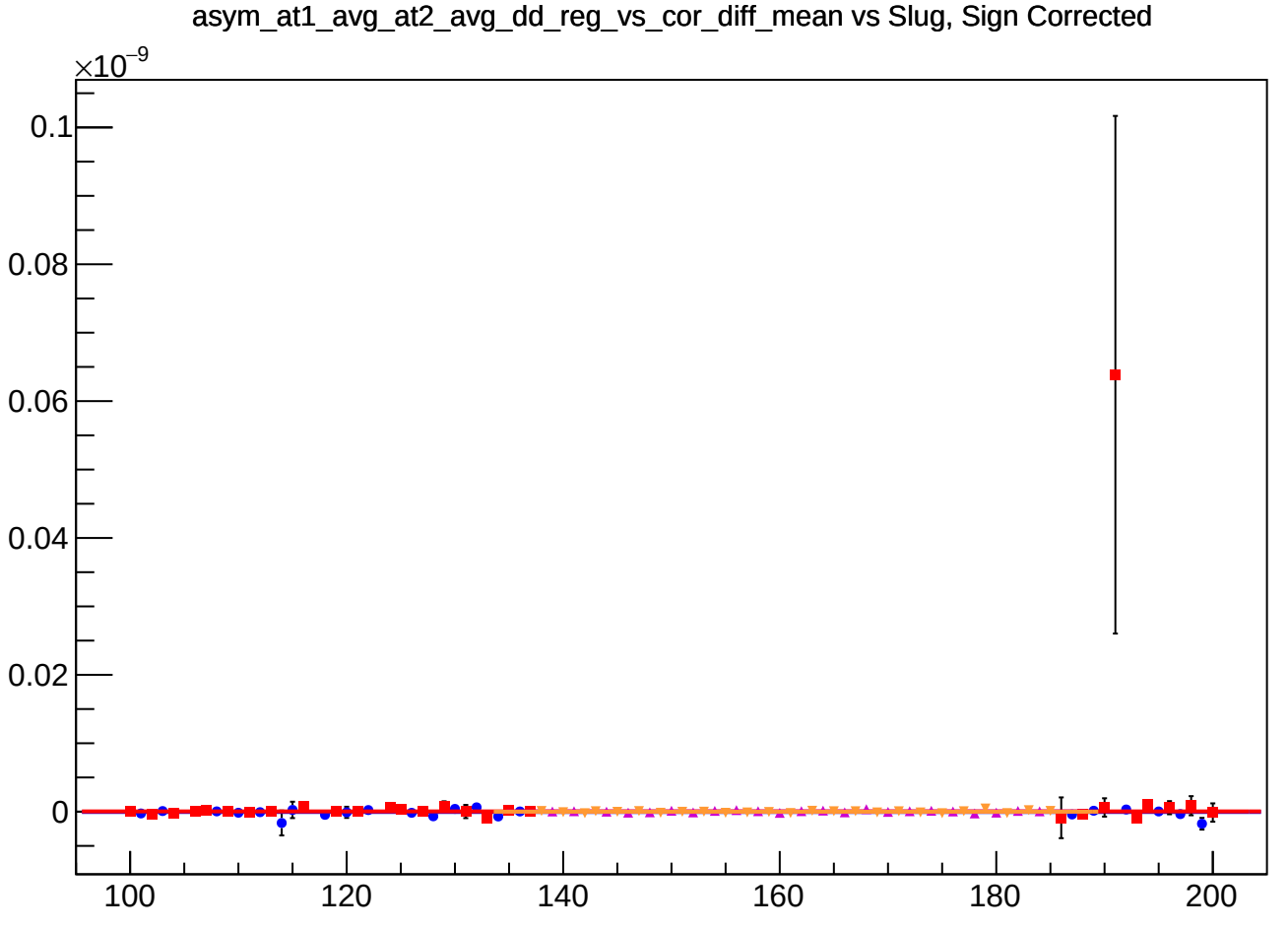
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4072.695+/-0.599 χ^2/NDF: 3184439.3/49

In: 4299.249+/-0.569 χ^2/NDF:2202668.4/44

Out: 4108.244+/-0.526 χ^2/NDF:3920352.7/52

All: 4196.357+/-0.386 χ^2/NDF: 6183817.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

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

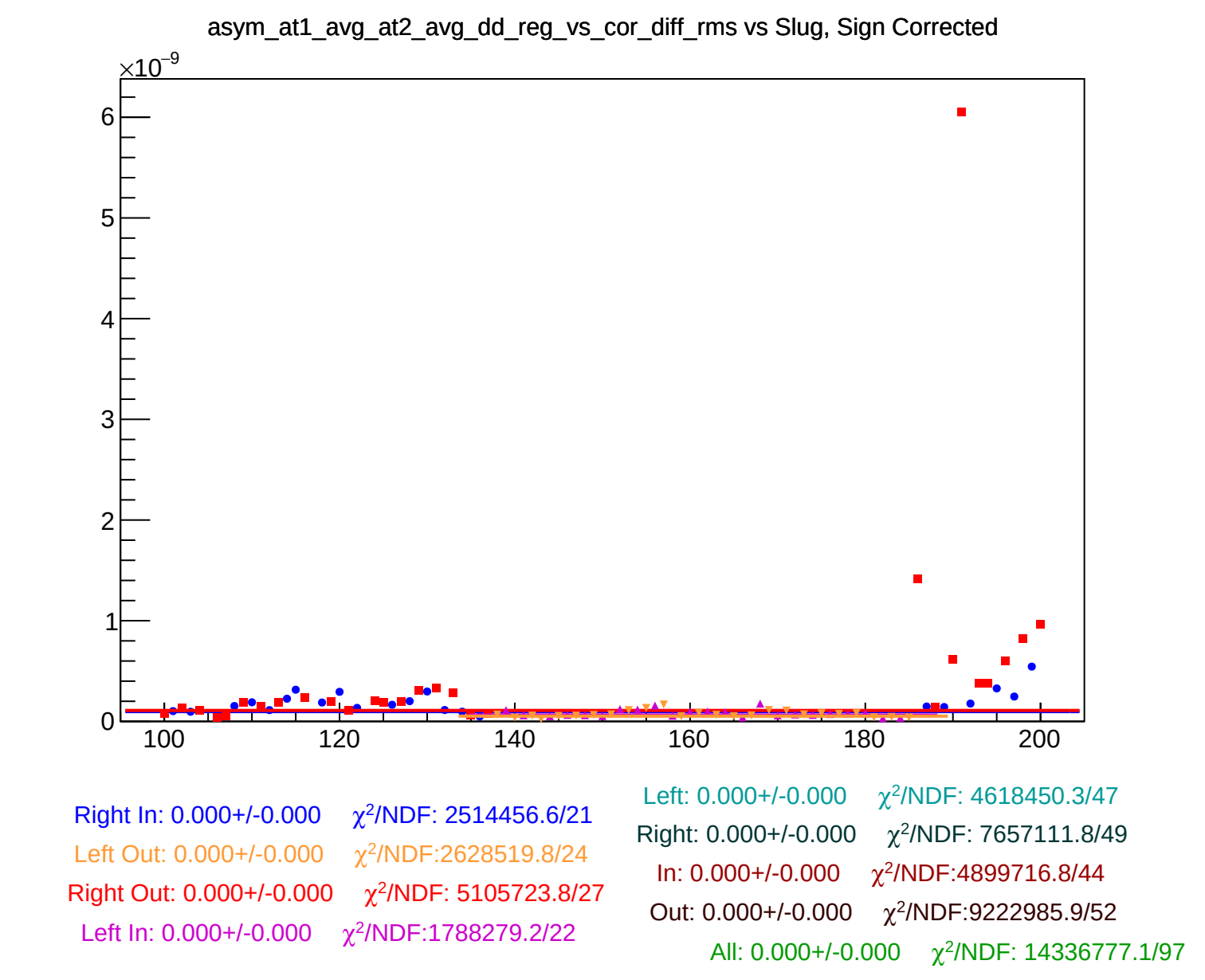
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/49

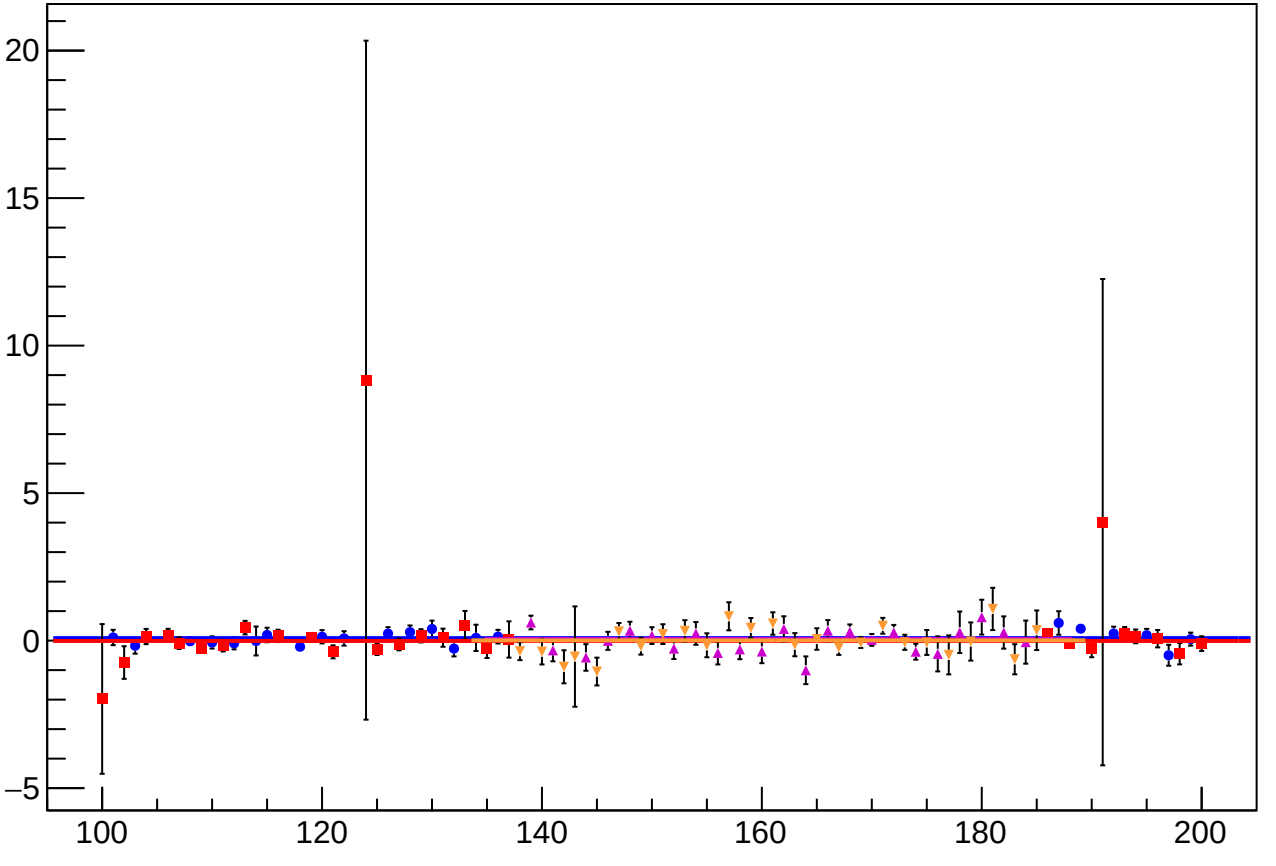
In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/97


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: 2514456.6/21
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: 7657111.8/49
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14336777.1/97

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

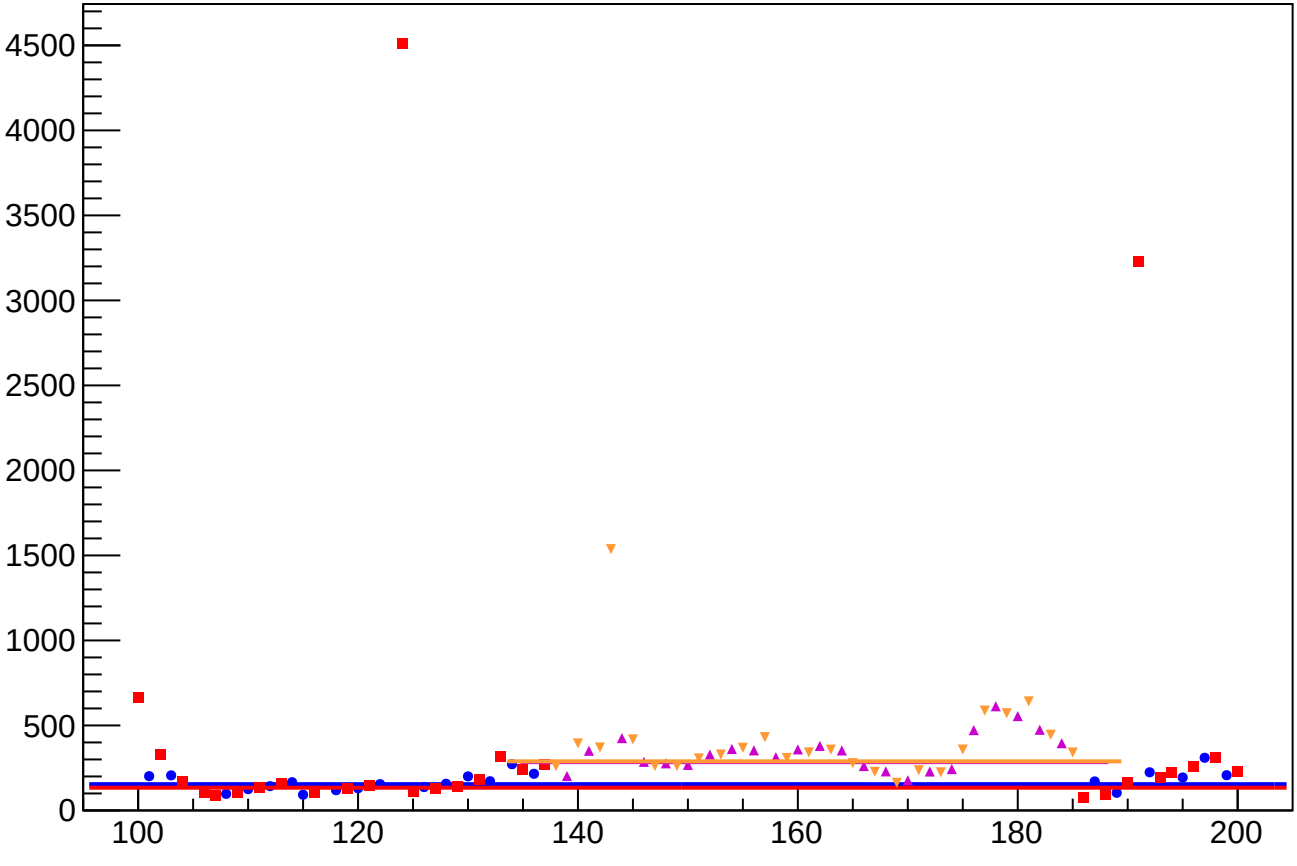
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

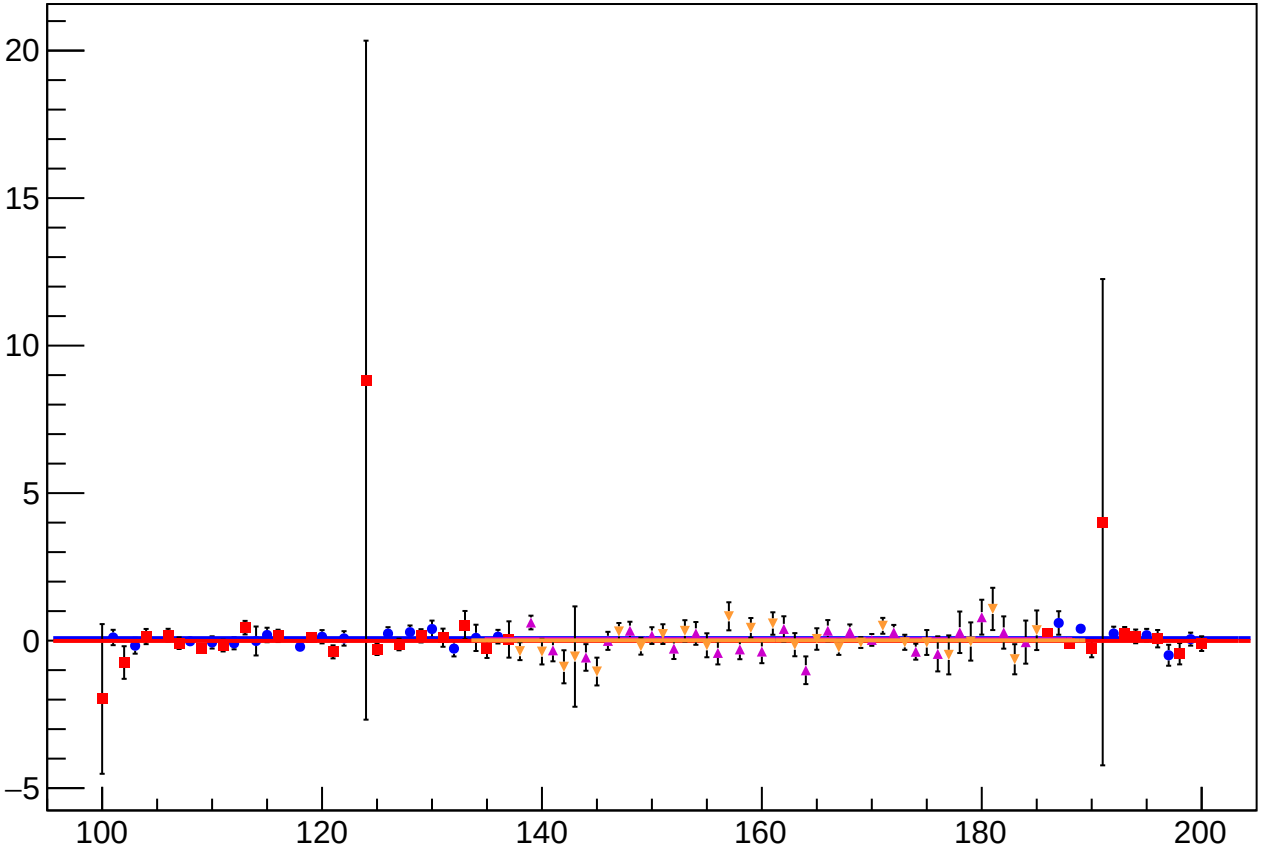
Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

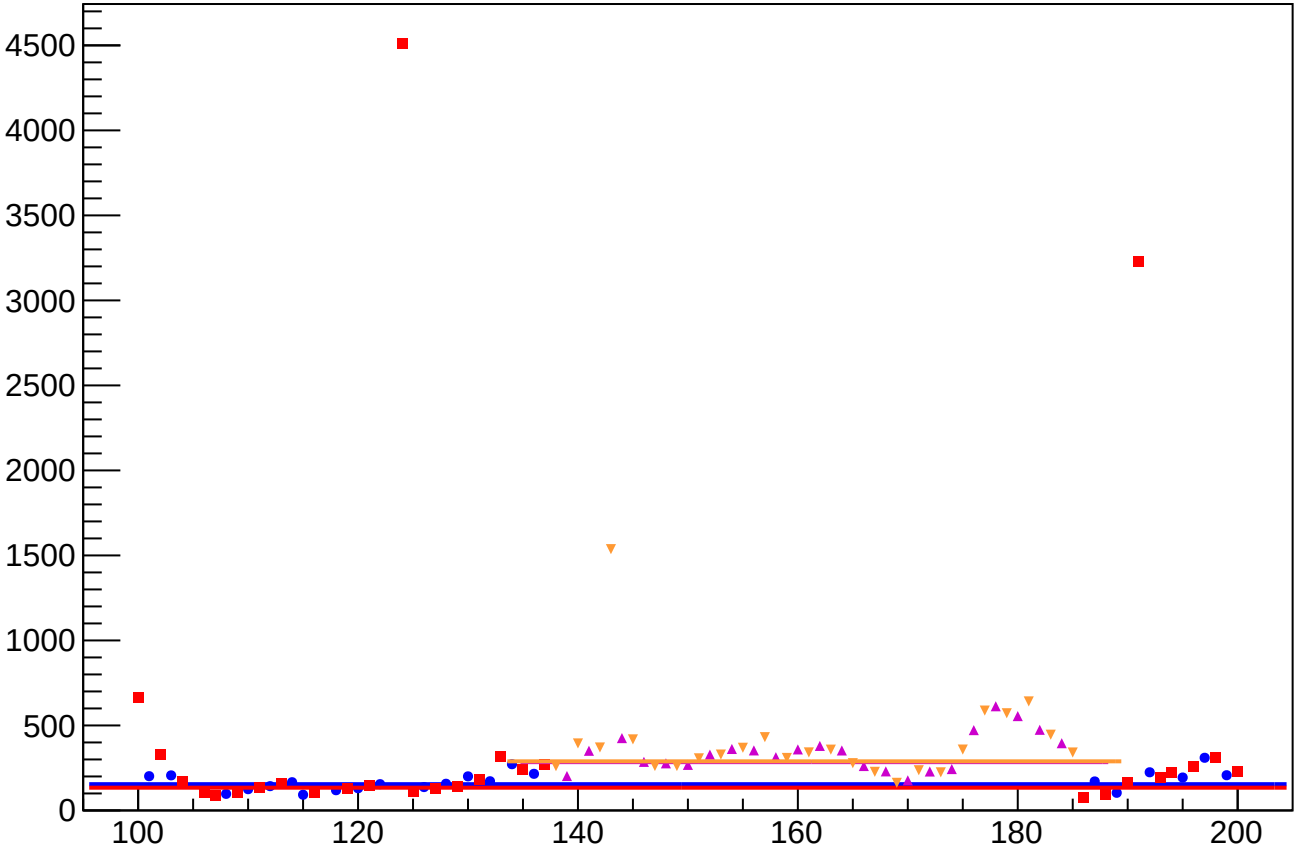
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

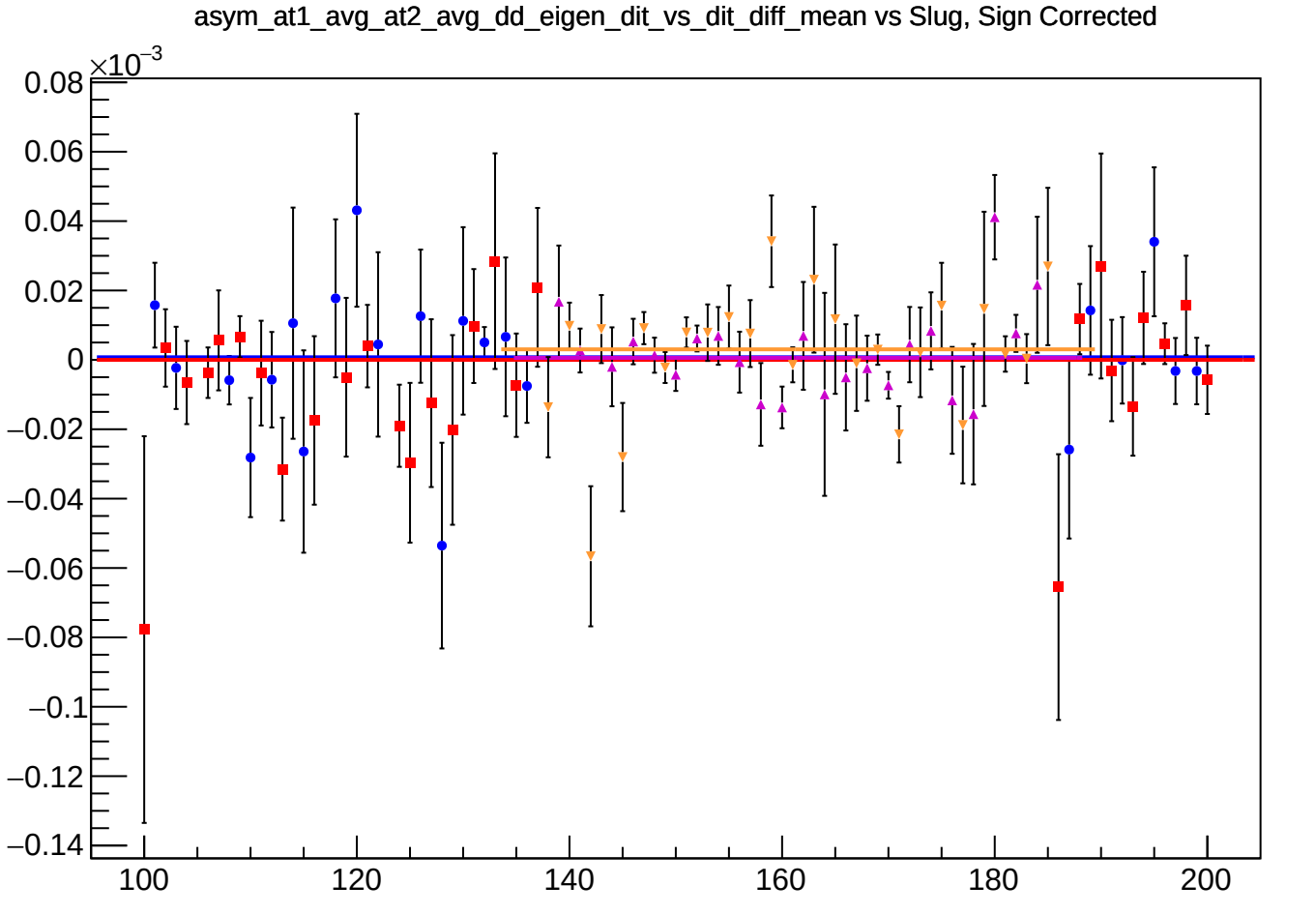
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

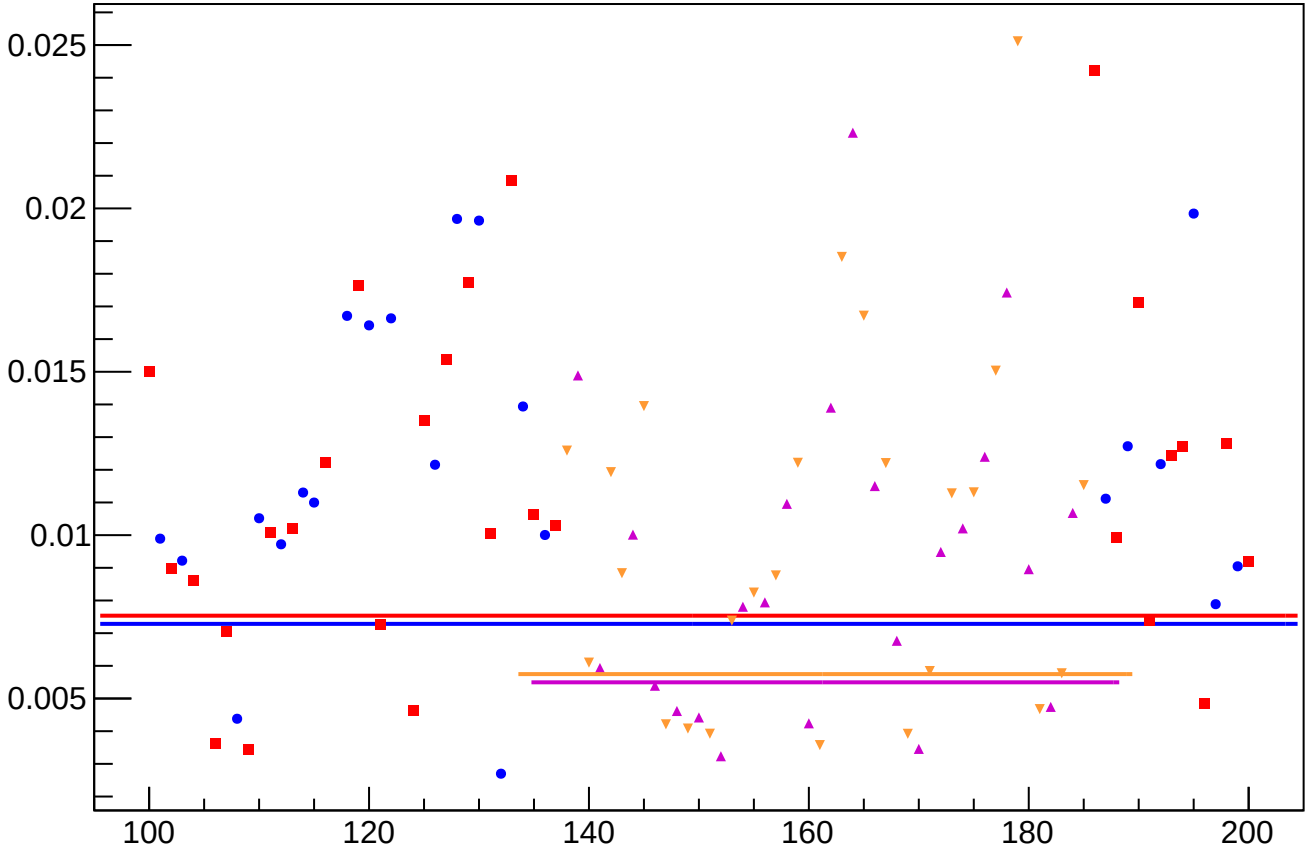
In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97


asym_at1_avg_at2_avg_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: 19.2/21
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: 44.7/49
In: 0.000+/-0.000 χ²/NDF:52.4/44
Out: 0.000+/-0.000 χ²/NDF:68.9/52
All: 0.000+/-0.000 χ²/NDF: 122.0/97

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

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

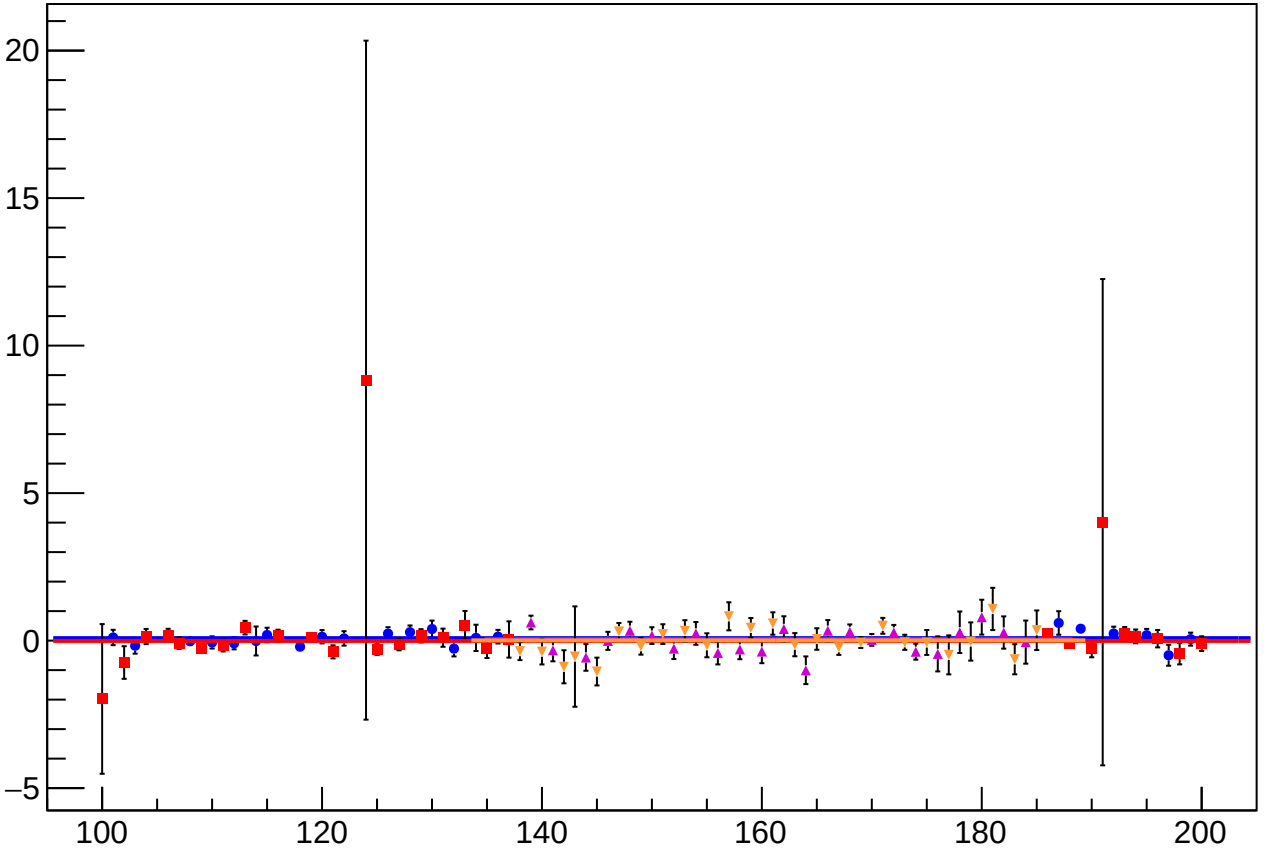
Right: 0.007+/-0.000 χ^2/NDF: 11563174.2/49

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

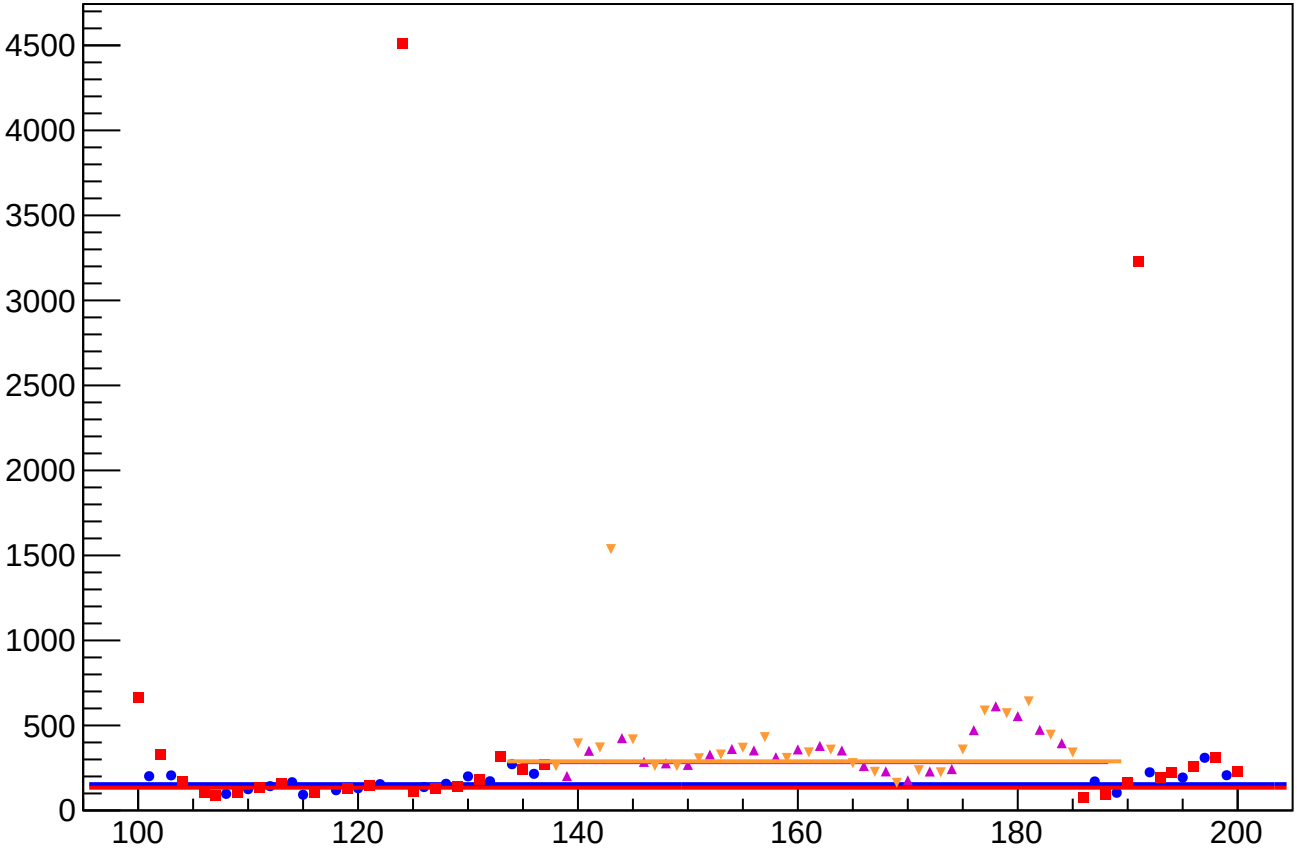
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

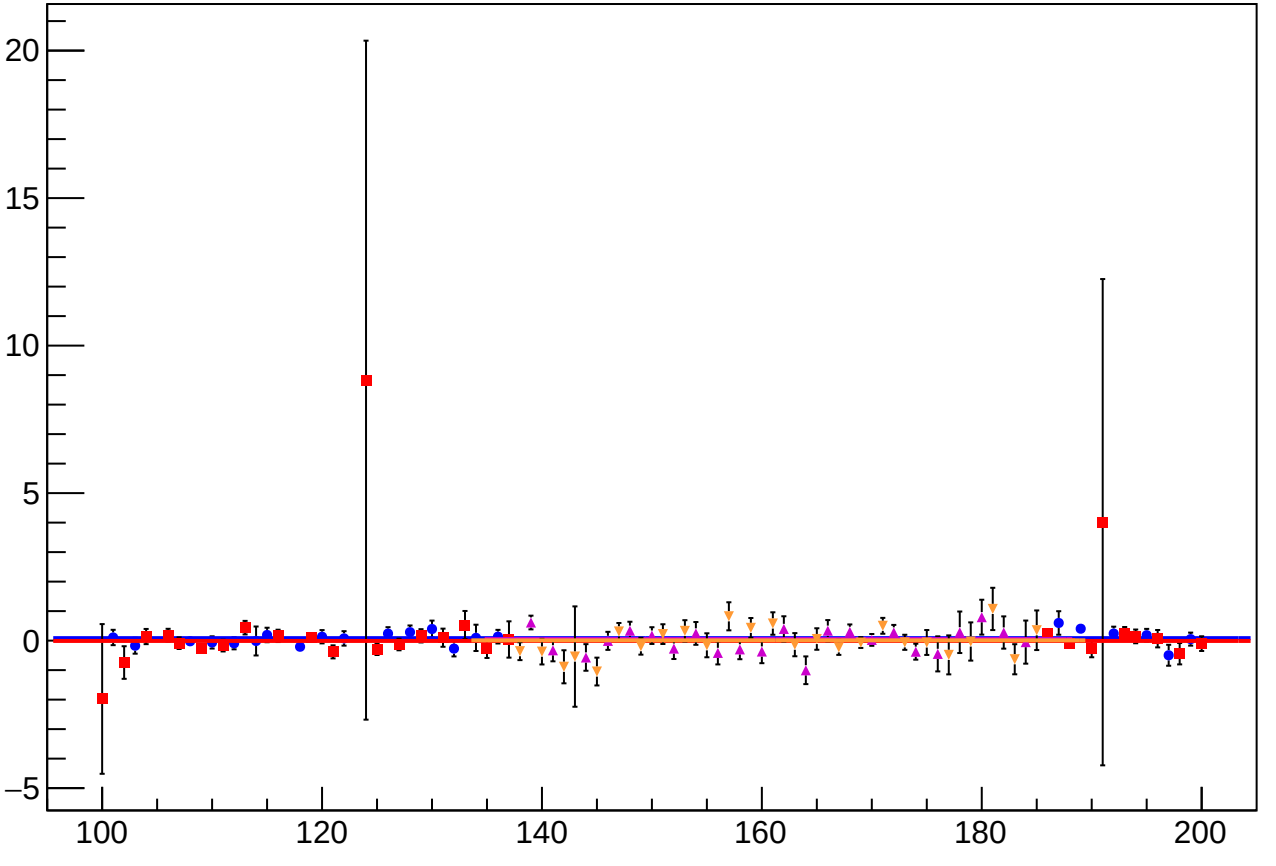
Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

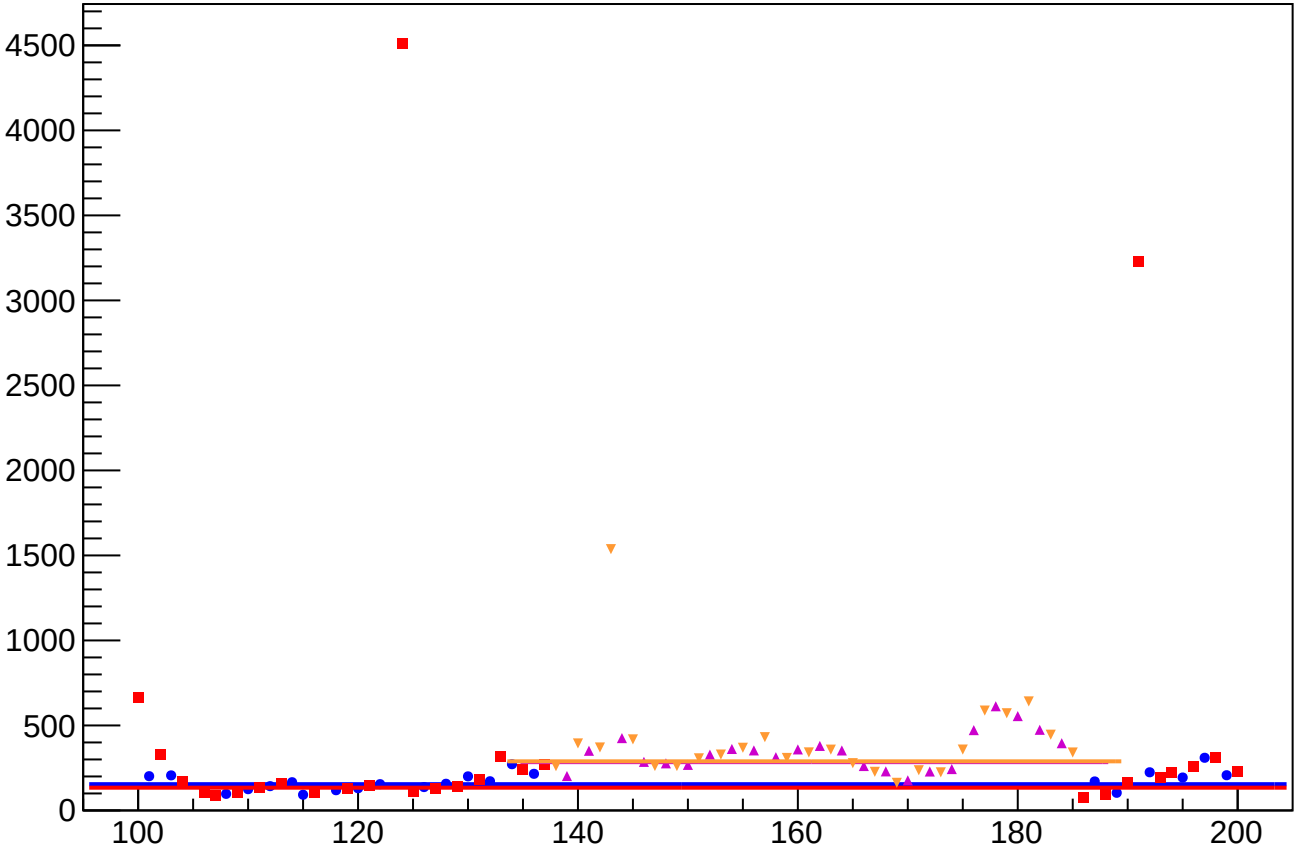
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

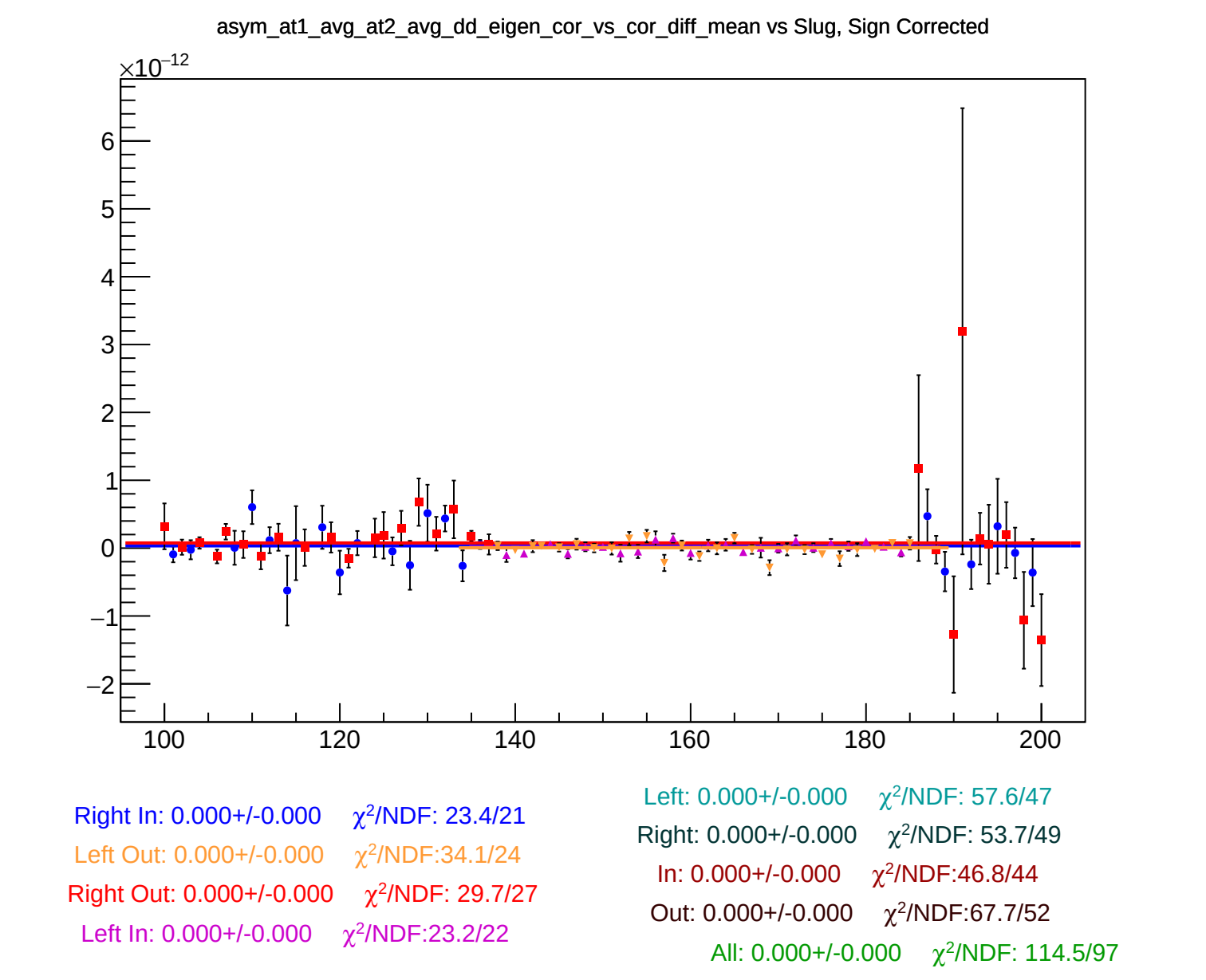
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

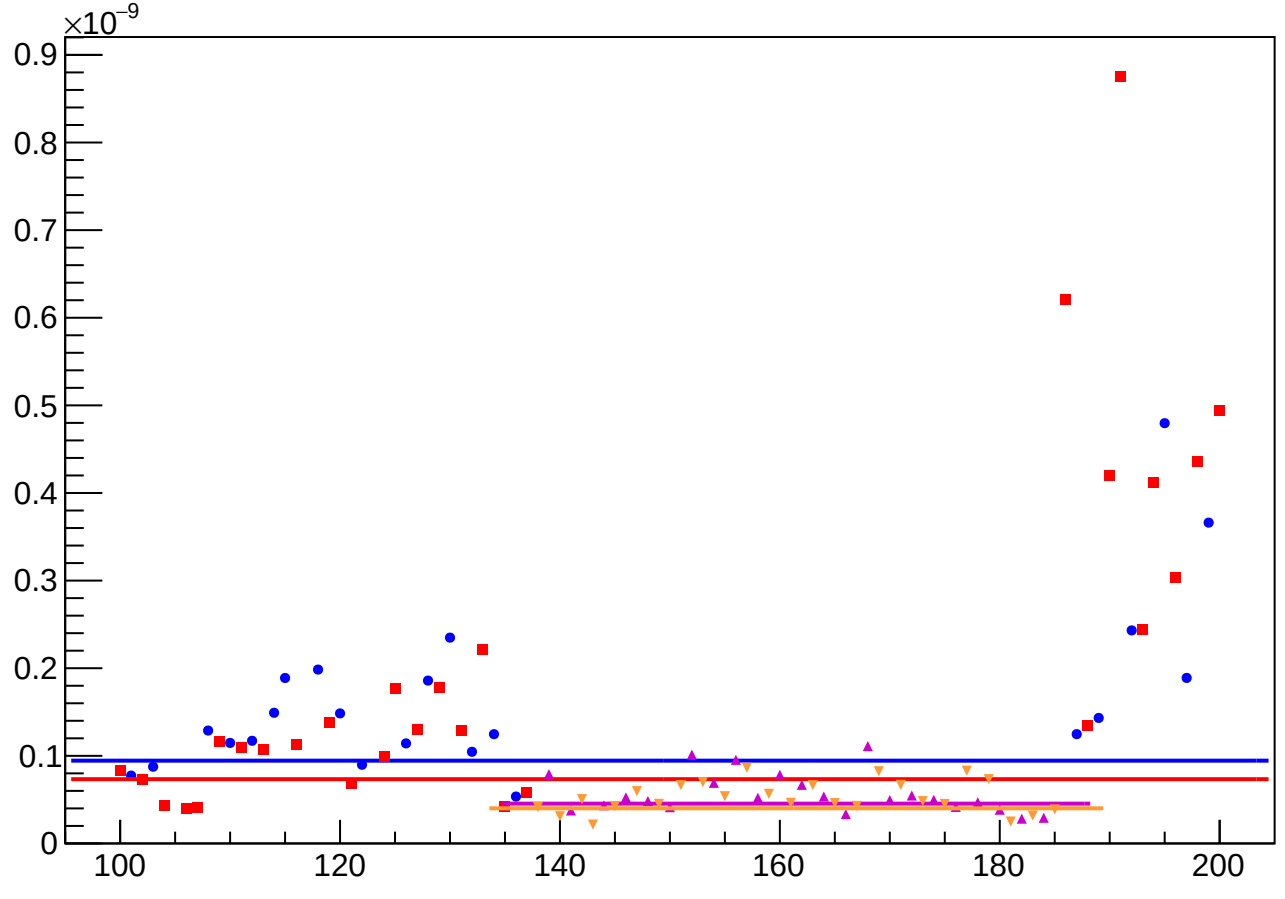
In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.4/21
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: 53.7/49
In: 0.000+/-0.000 χ²/NDF:46.8/44
Out: 0.000+/-0.000 χ²/NDF:67.7/52
All: 0.000+/-0.000 χ²/NDF: 114.5/97

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: 3379504.1/21

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

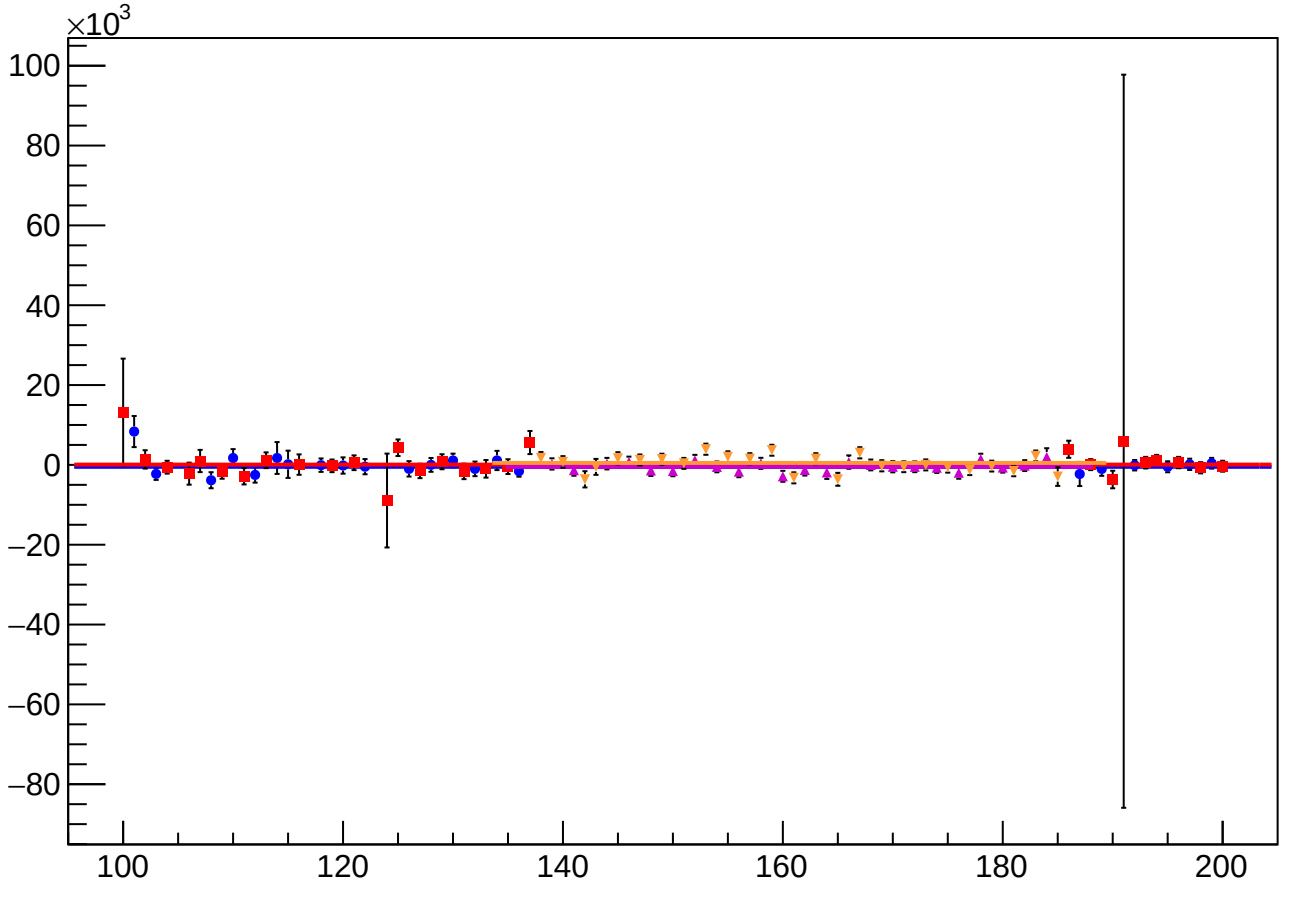
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9732436.4/49

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20356951.0/97



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

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

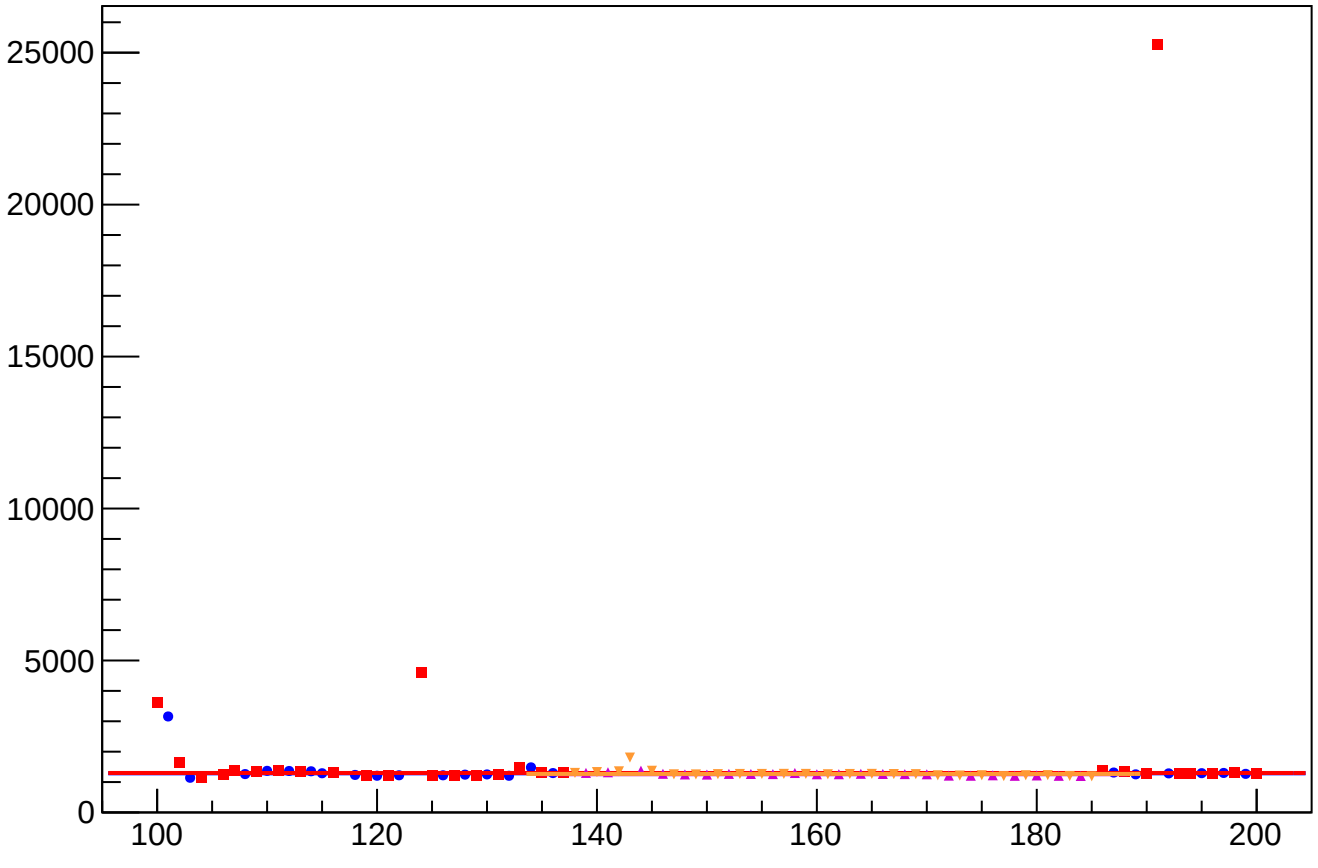
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -188.120+/-262.408 χ^2/NDF: 39.6/49

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 325.099+/-225.081 χ^2/NDF:71.1/52

All: -64.548+/-161.955 χ^2/NDF: 106.9/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

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

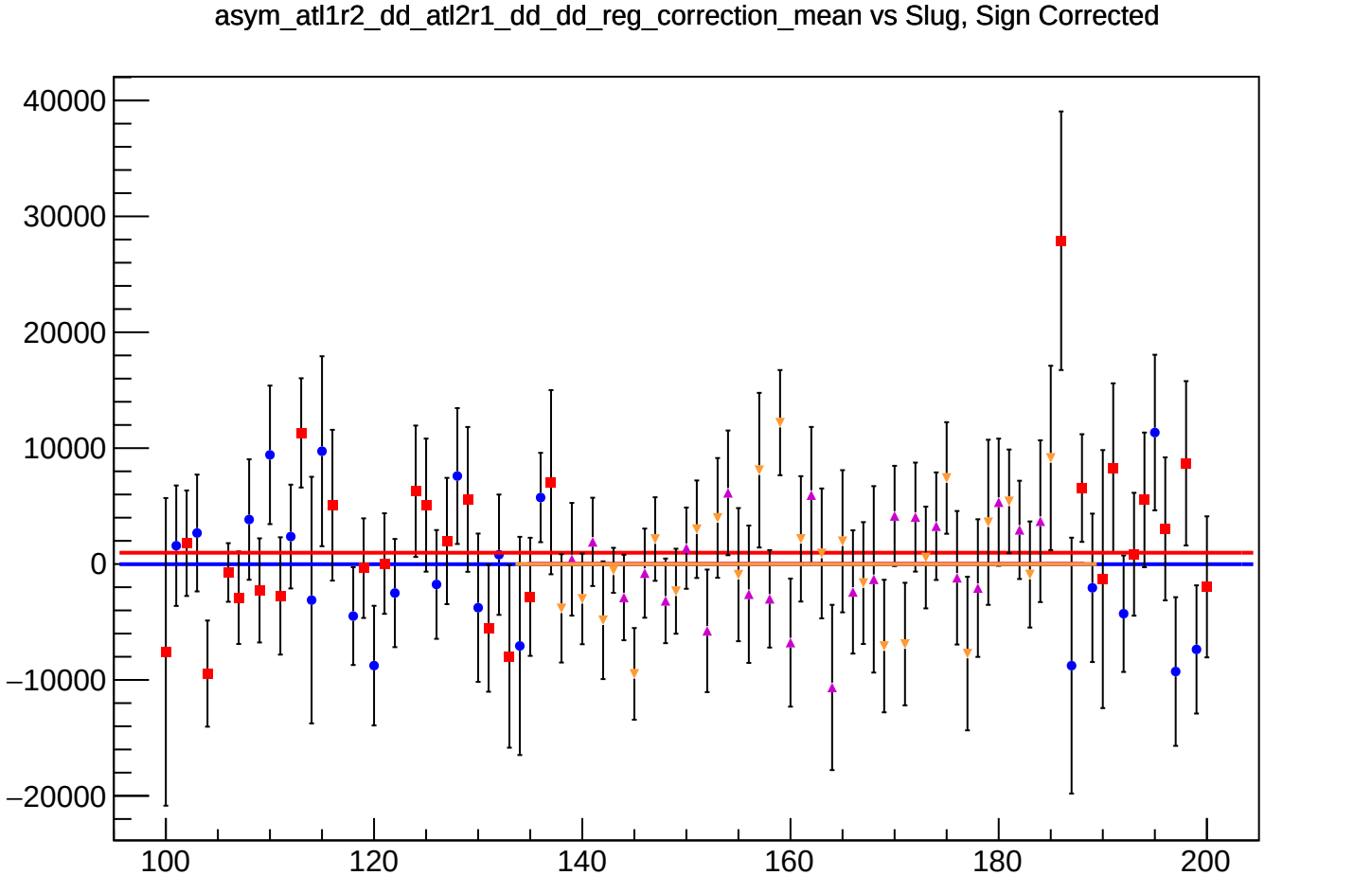
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1293.566+/-0.185 χ^2/NDF: 983442.9/49

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.572+/-0.159 χ^2/NDF:663595.3/52

All: 1274.249+/-0.114 χ^2/NDF: 1226395.1/97



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

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

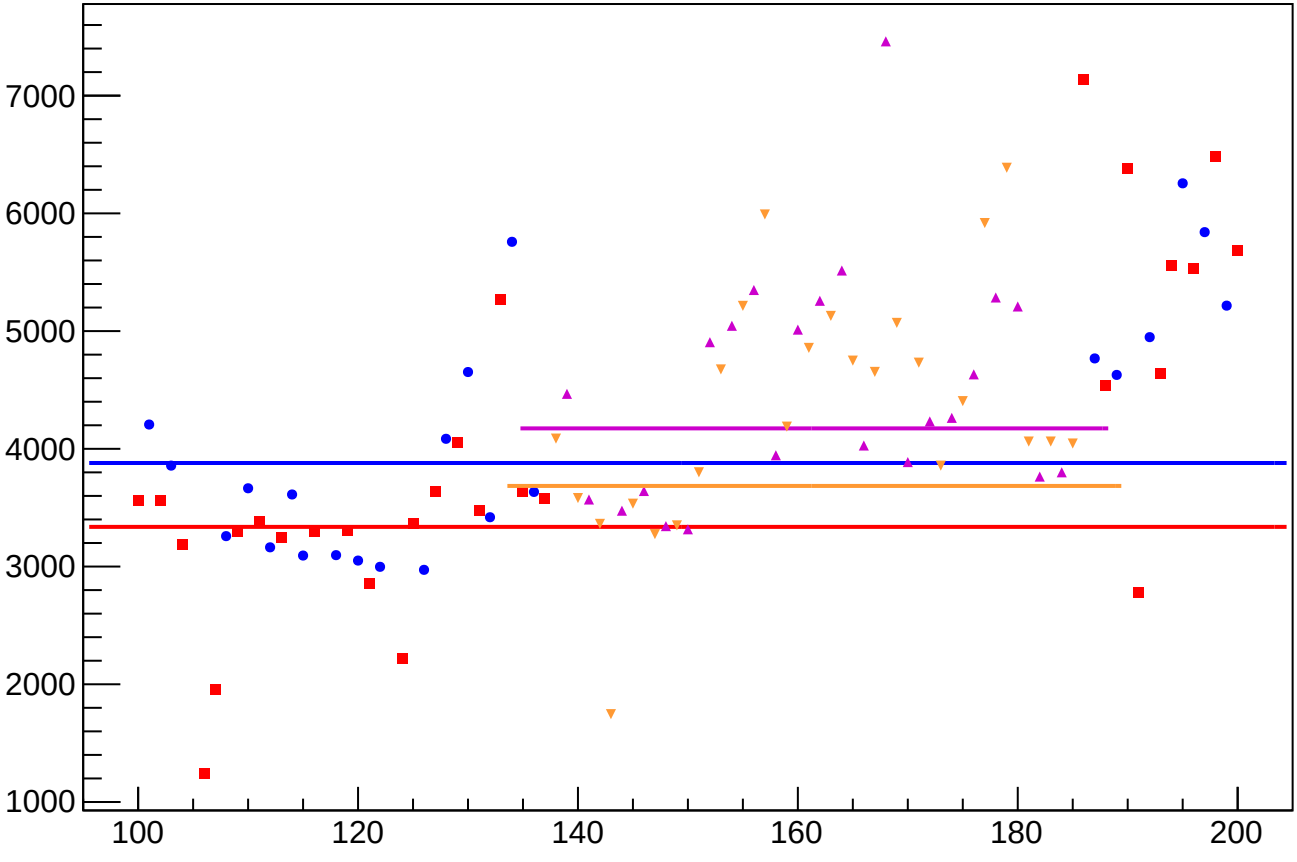
Right: 567.495+/-755.843 χ^2/NDF: 52.8/49

In: 12.302+/-760.262 χ^2/NDF:36.7/44

Out: 435.757+/-659.072 χ^2/NDF:59.3/52

All: 254.067+/-497.996 χ^2/NDF: 96.2/97

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

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

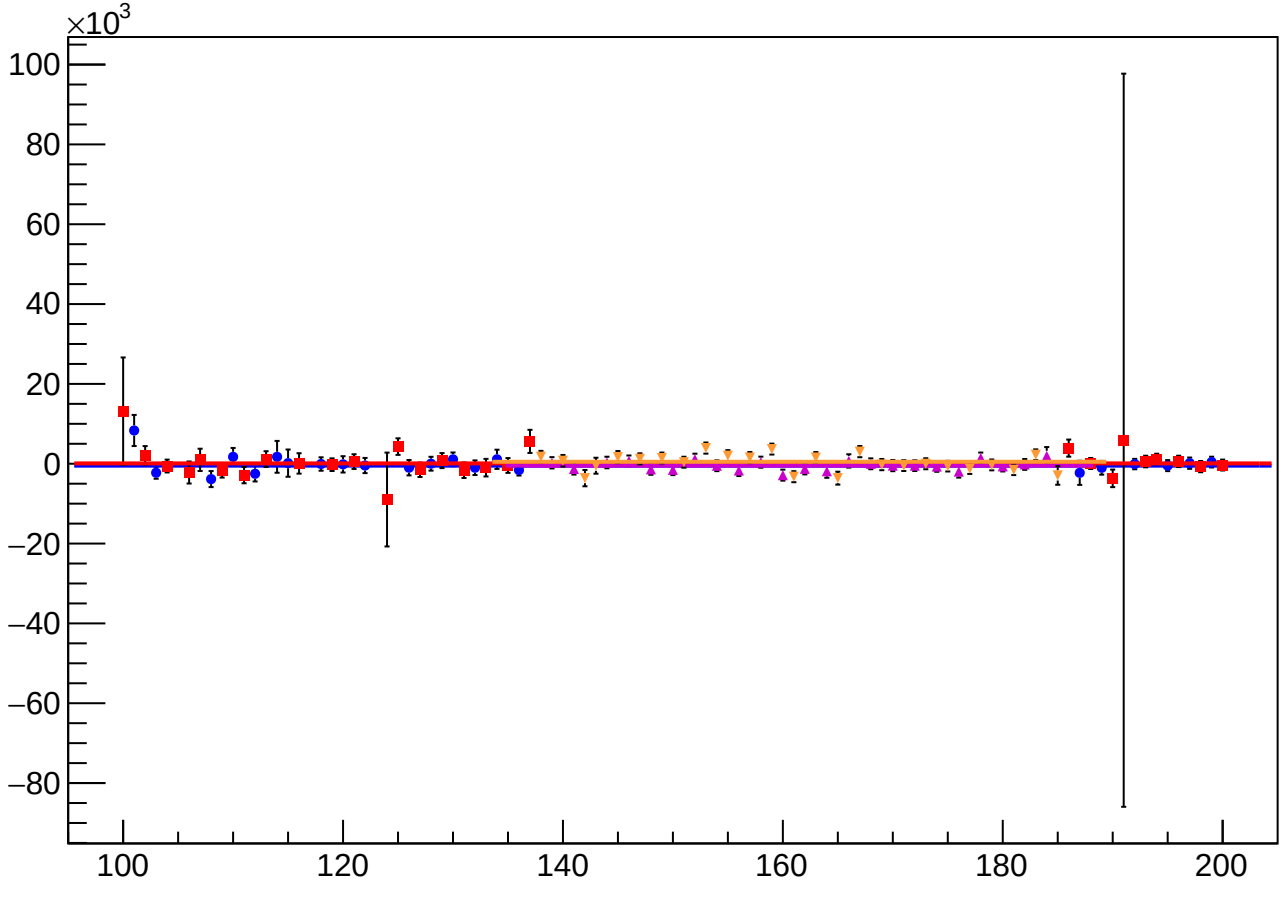
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3560.423+/-0.534 χ^2/NDF: 5218792.9/49

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3529.210+/-0.466 χ^2/NDF:7603583.8/52

All: 3753.145+/-0.352 χ^2/NDF: 10686135.7/9



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

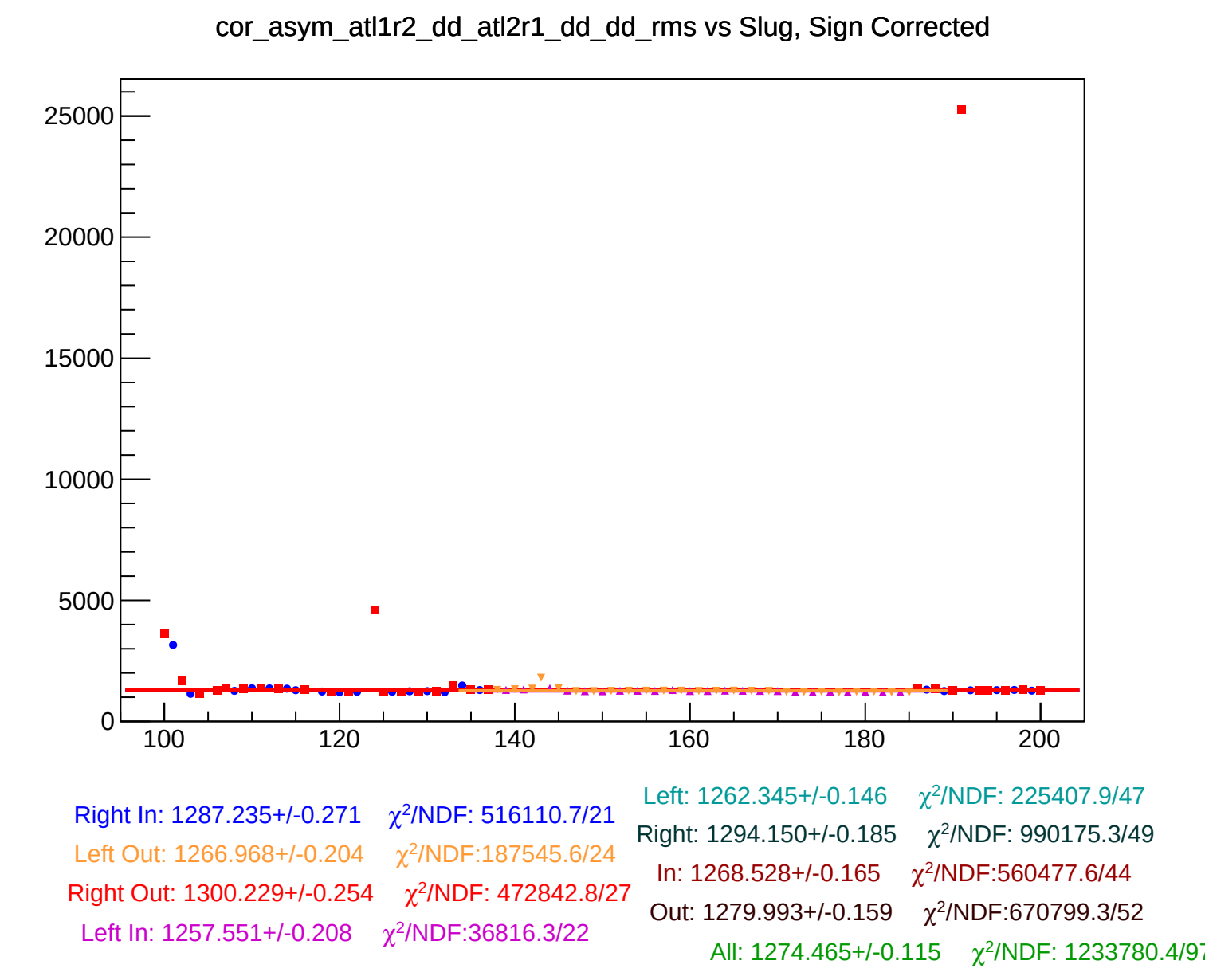
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

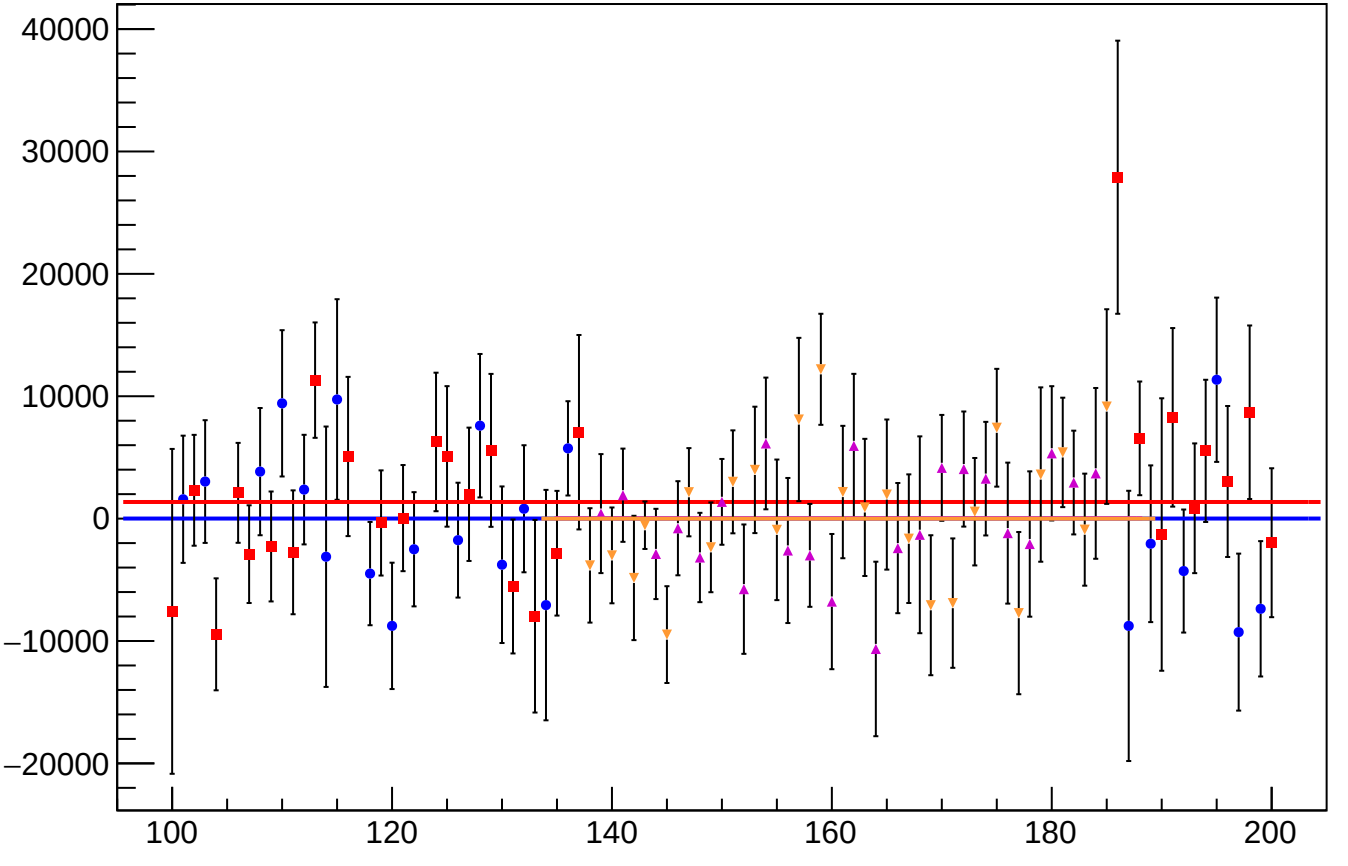
In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97


cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
Right In: 1287.235+/-0.271 χ²/NDF: 516110.7/21
Left Out: 1266.968+/-0.204 χ²/NDF:187545.6/24
Right Out: 1300.229+/-0.254 χ²/NDF: 472842.8/27
Left In: 1257.551+/-0.208 χ²/NDF:36816.3/22
Left: 1262.345+/-0.146 χ²/NDF: 225407.9/47
Right: 1294.150+/-0.185 χ²/NDF: 990175.3/49
In: 1268.528+/-0.165 χ²/NDF:560477.6/44
Out: 1279.993+/-0.159 χ²/NDF:670799.3/52
All: 1274.465+/-0.115 χ²/NDF: 1233780.4/97

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

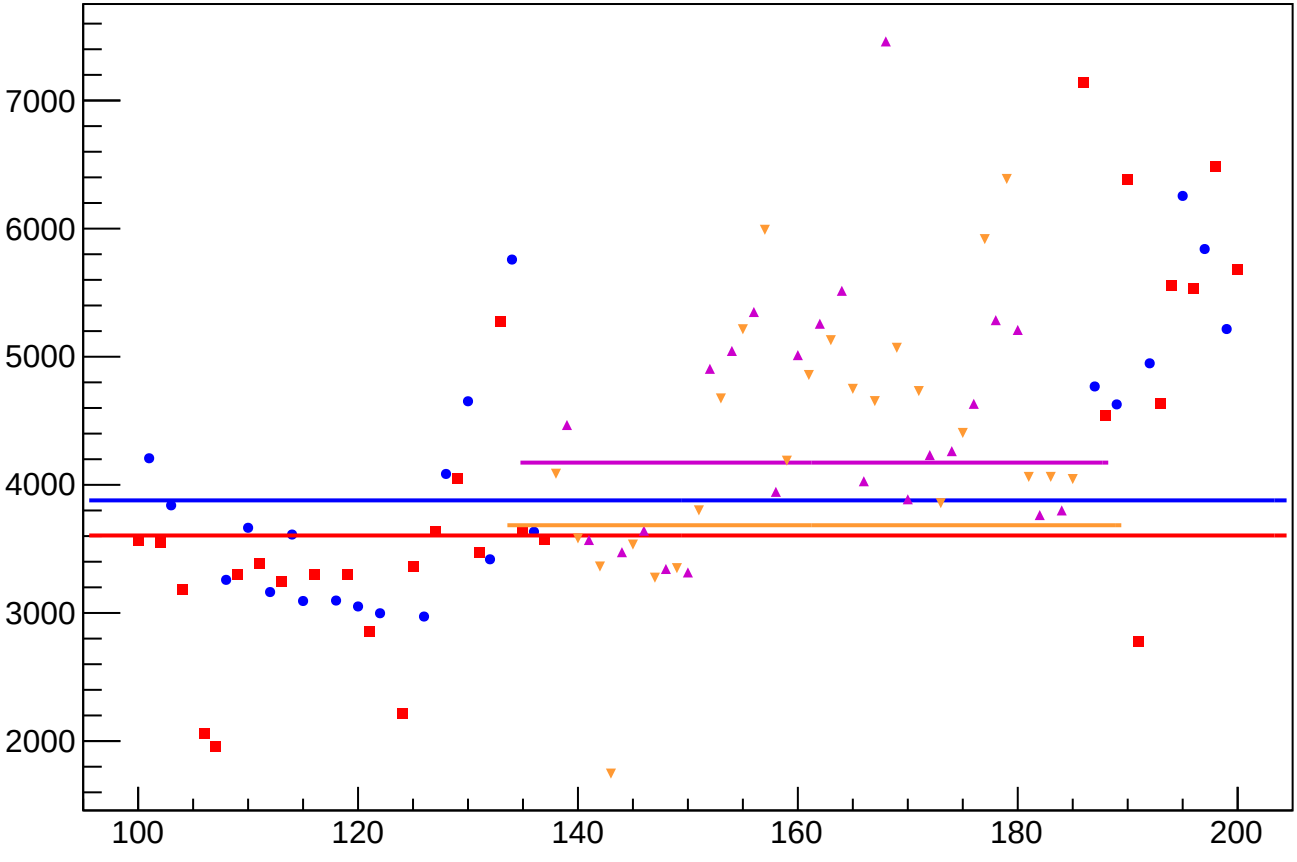
Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

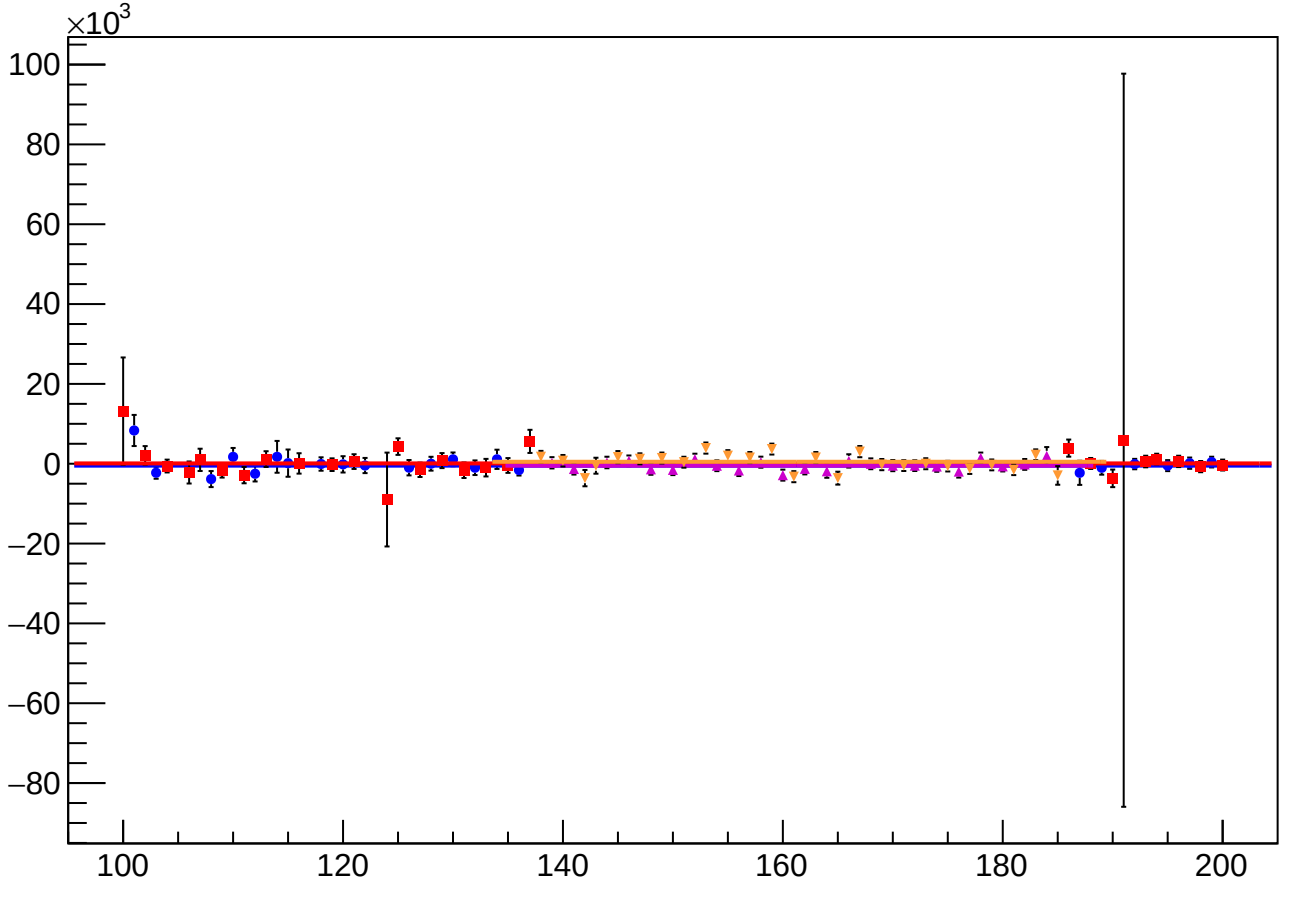
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

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

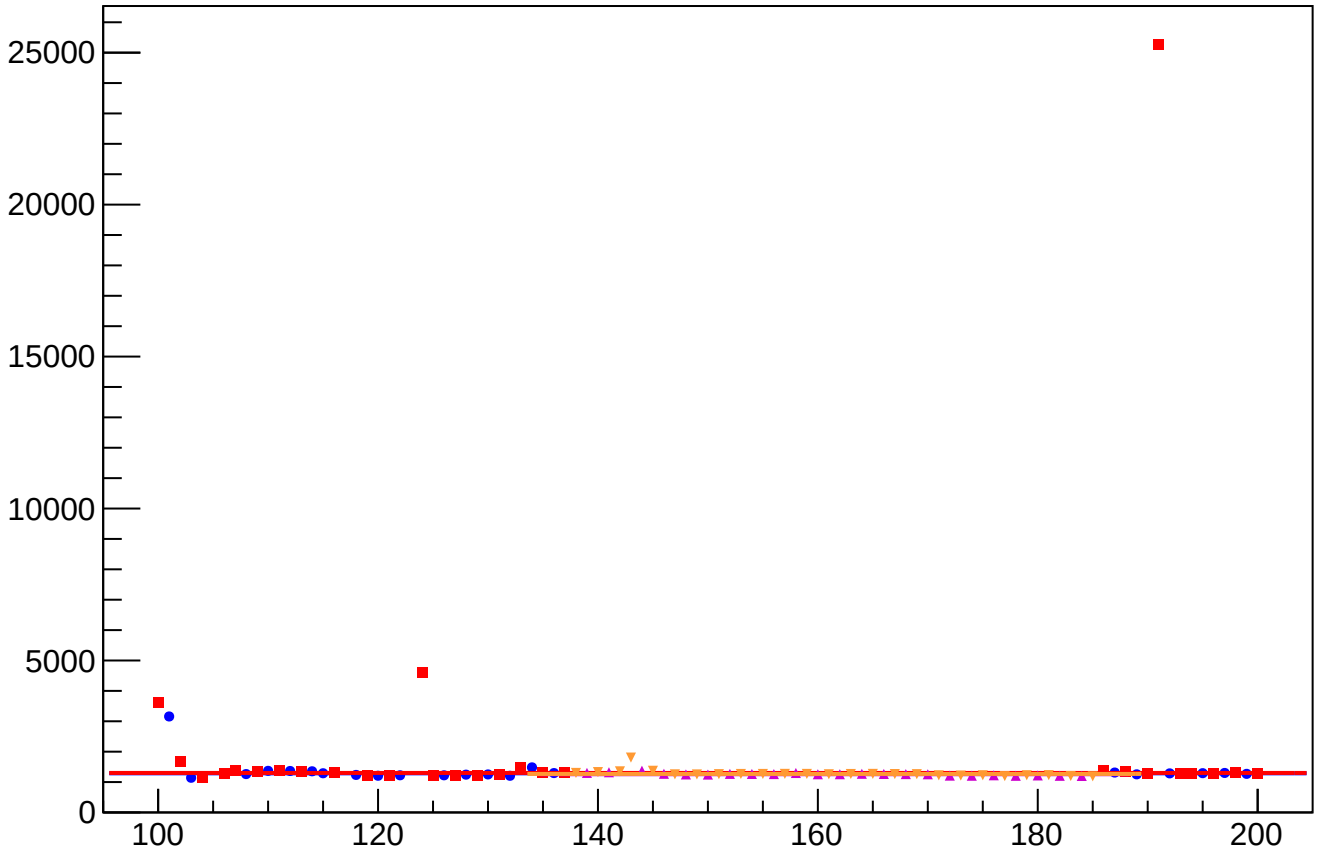
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -179.886+/-262.458 χ^2/NDF: 40.1/49

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 331.386+/-225.113 χ^2/NDF:71.5/52

All: -61.358+/-161.967 χ^2/NDF: 107.4/97



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

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

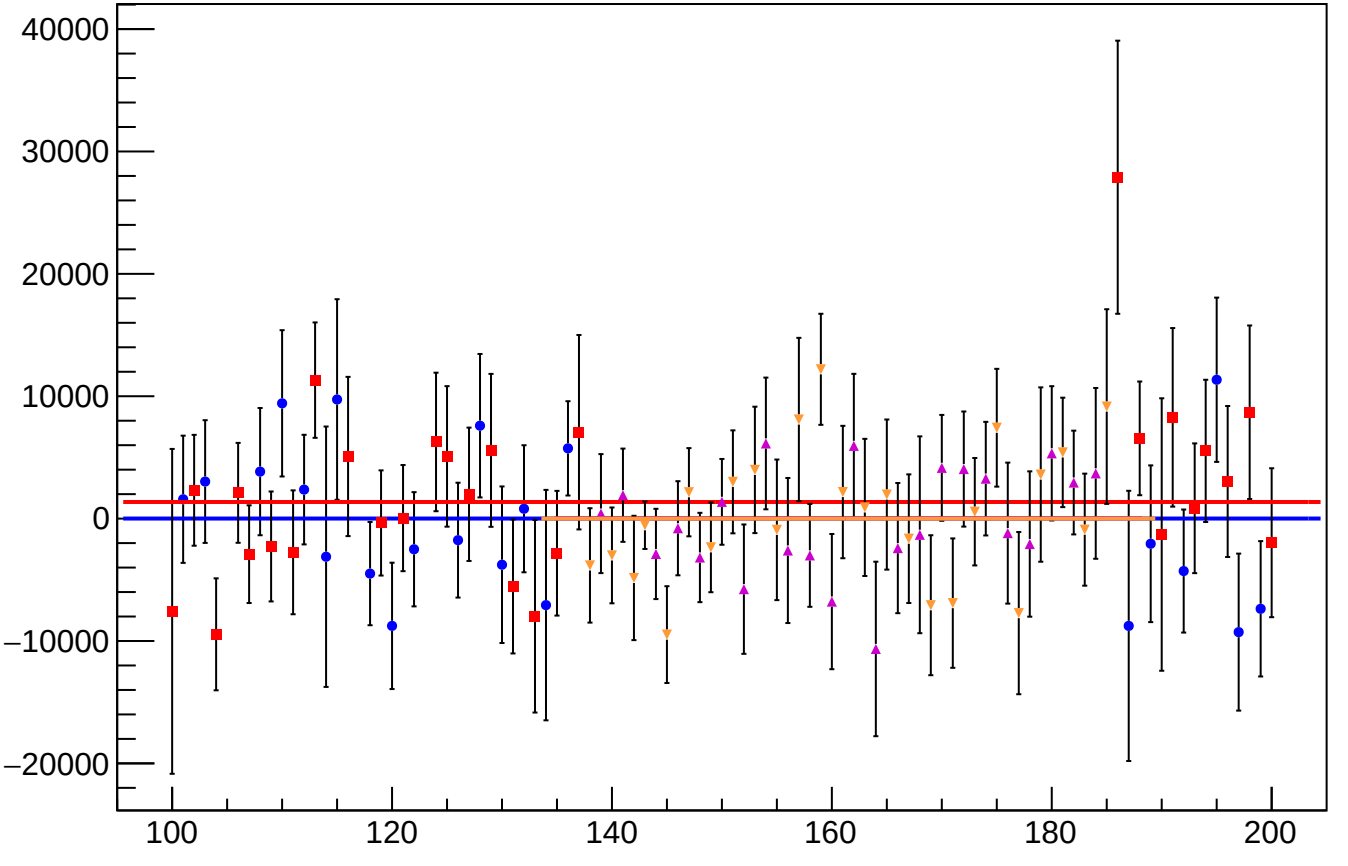
Right: 1294.150+/-0.185 χ^2/NDF: 990175.3/49

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1279.993+/-0.159 χ^2/NDF:670799.3/52

All: 1274.465+/-0.115 χ^2/NDF: 1233780.4/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

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

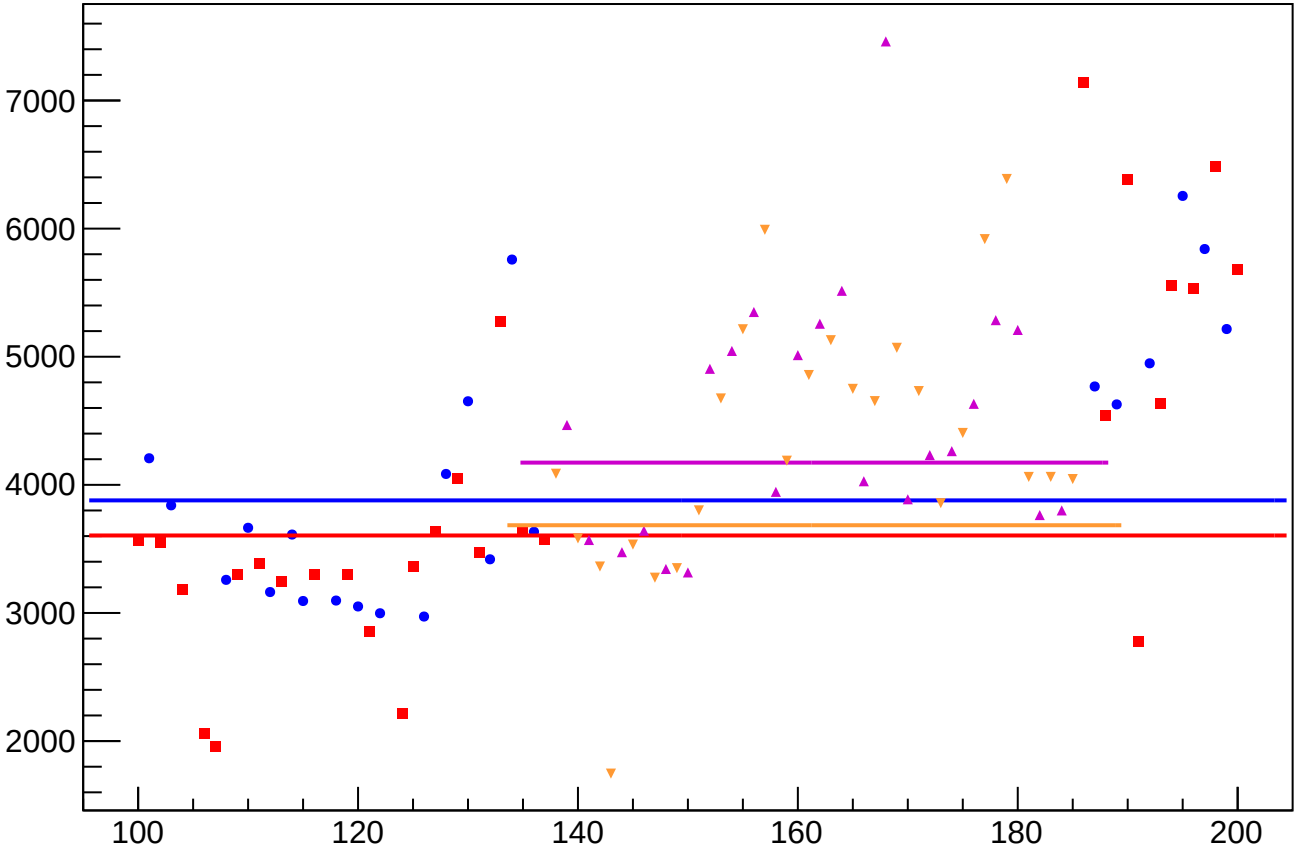
Right: 769.527+/-777.300 χ^2/NDF: 52.7/49

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 574.928+/-673.213 χ^2/NDF:59.3/52

All: 331.434+/-503.987 χ^2/NDF: 96.4/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

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

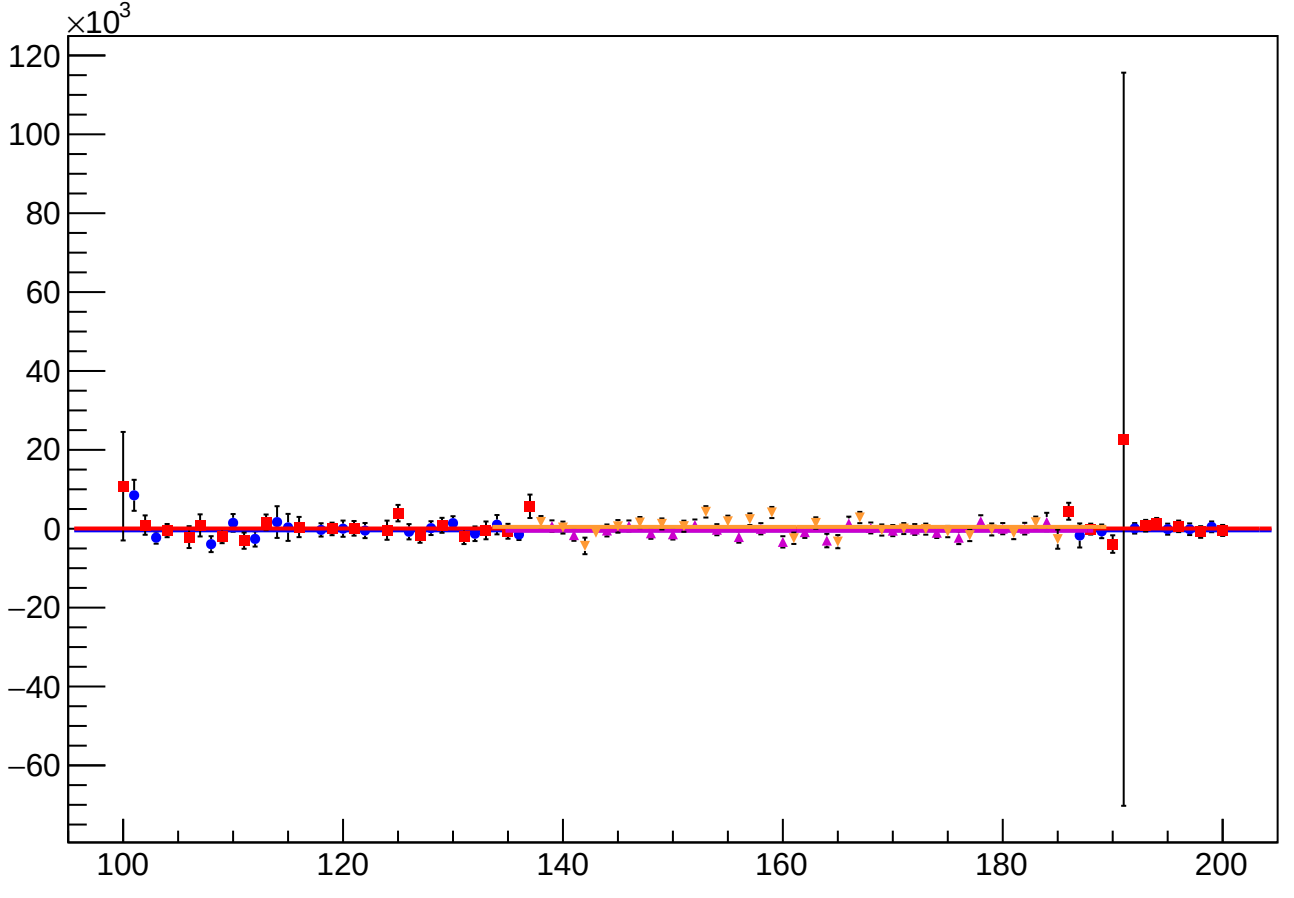
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3724.173+/-0.550 χ^2/NDF: 3718631.1/49

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3650.929+/-0.476 χ^2/NDF:6161183.8/52

All: 3826.648+/-0.356 χ^2/NDF: 9016218.8/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

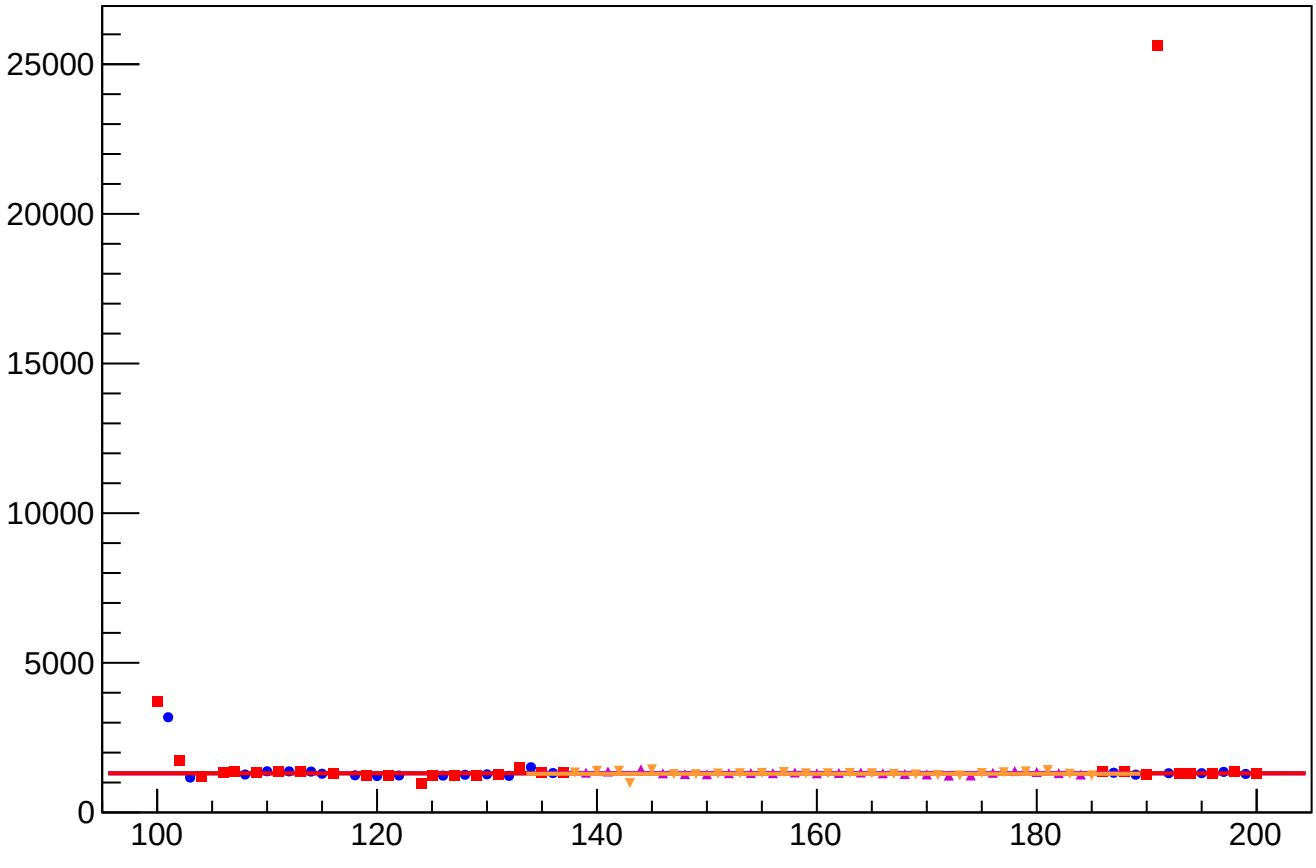
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -157.694+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.782+/-228.326 χ^2/NDF:69.0/52

All: -59.960+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

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

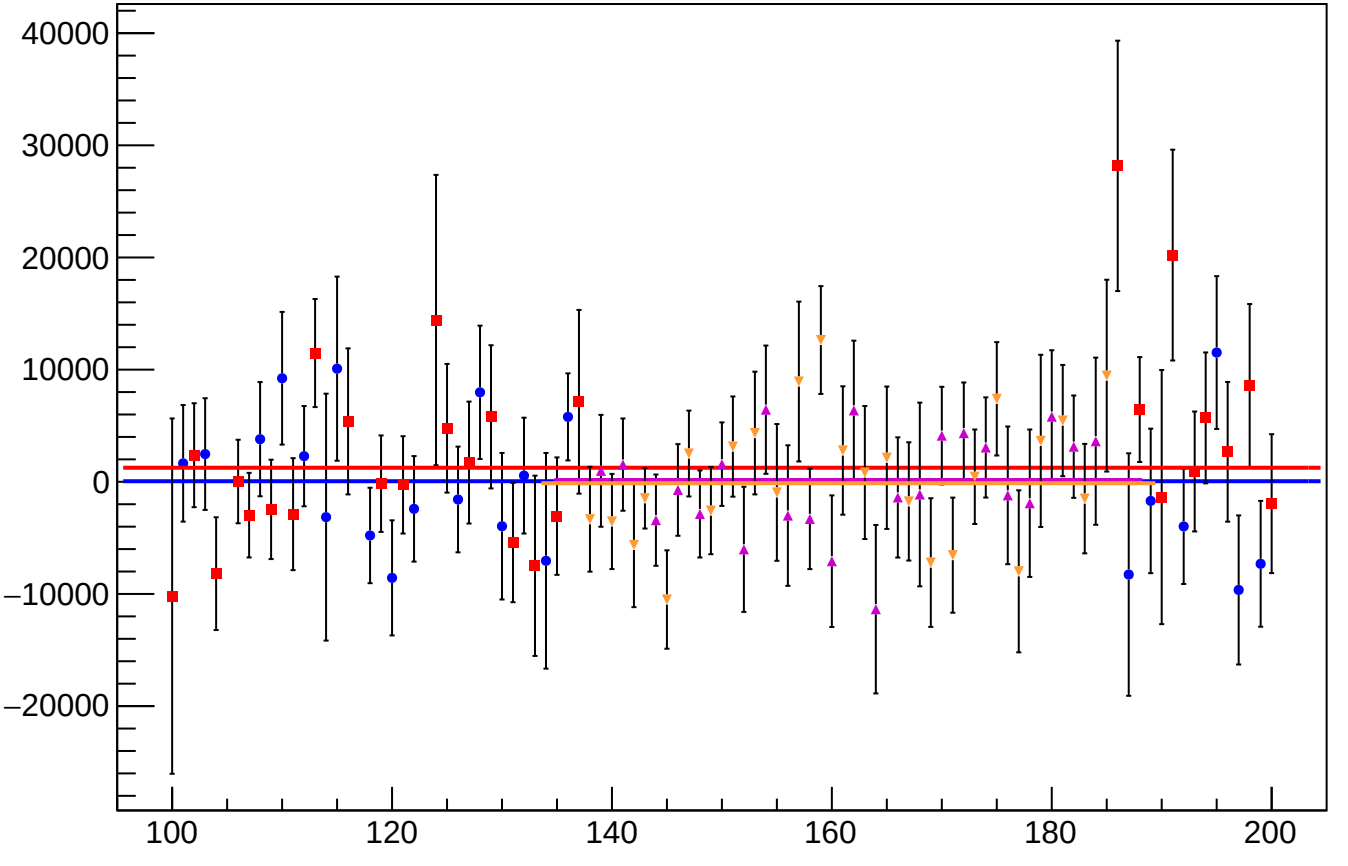
Right: 1307.769+/-0.187 χ^2/NDF: 877899.1/49

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.496+/-0.161 χ^2/NDF:597011.2/52

All: 1304.333+/-0.117 χ^2/NDF: 1157977.4/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

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

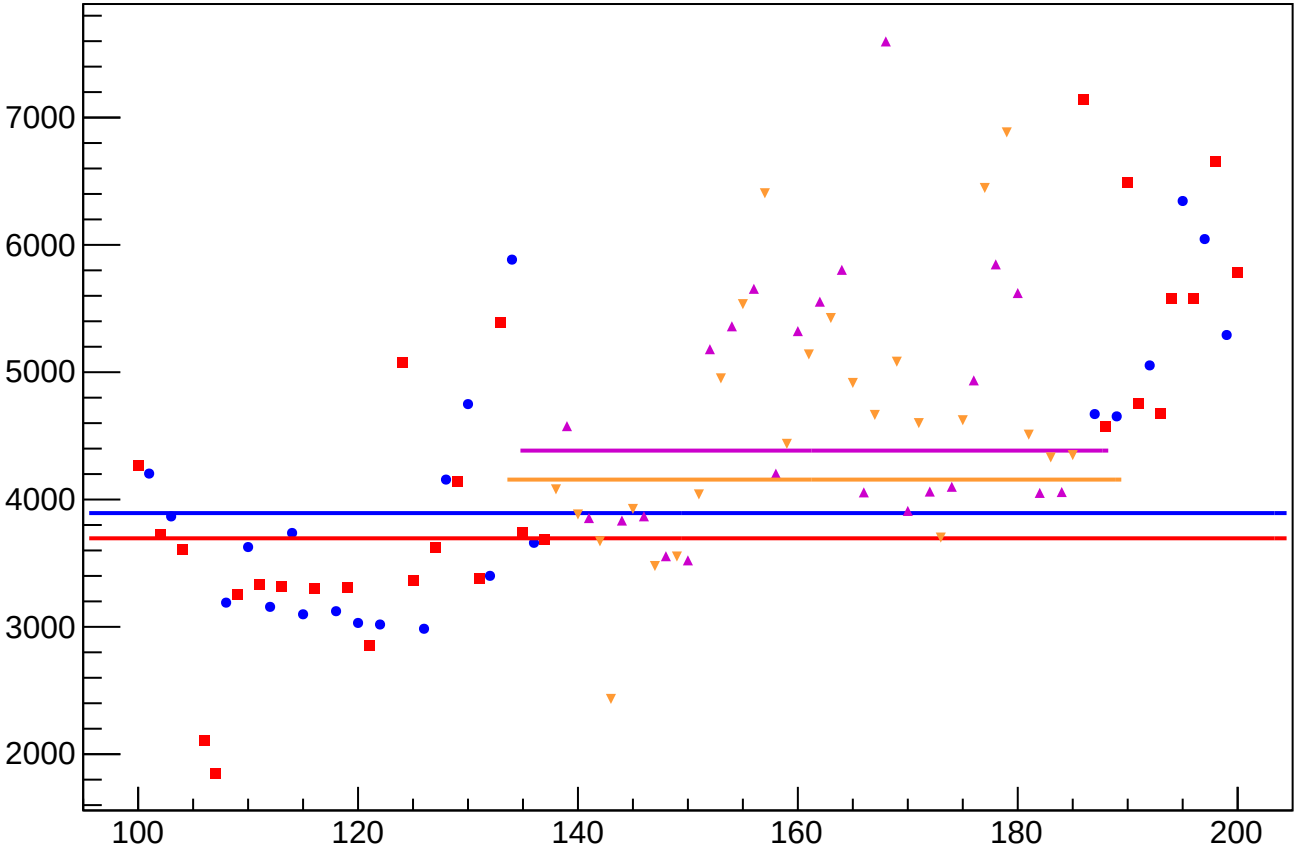
Right: 722.610+/-786.564 χ^2/NDF: 54.0/49

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.926+/-528.641 χ^2/NDF: 96.9/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

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

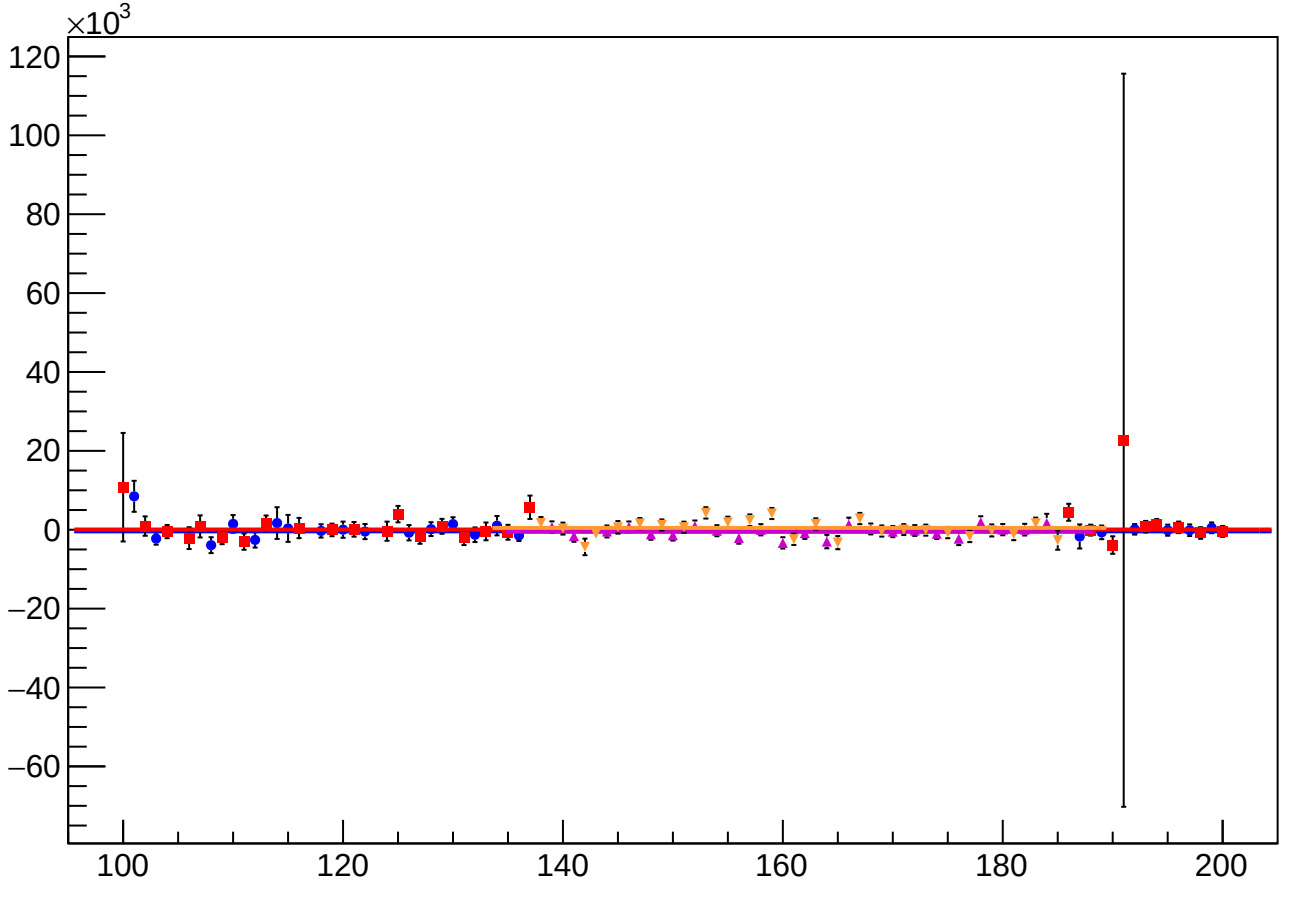
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3782.956+/-0.556 χ^2/NDF: 3848144.2/49

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3943.171+/-0.506 χ^2/NDF:4832585.4/52

All: 4046.038+/-0.374 χ^2/NDF: 7643094.6/97



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

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

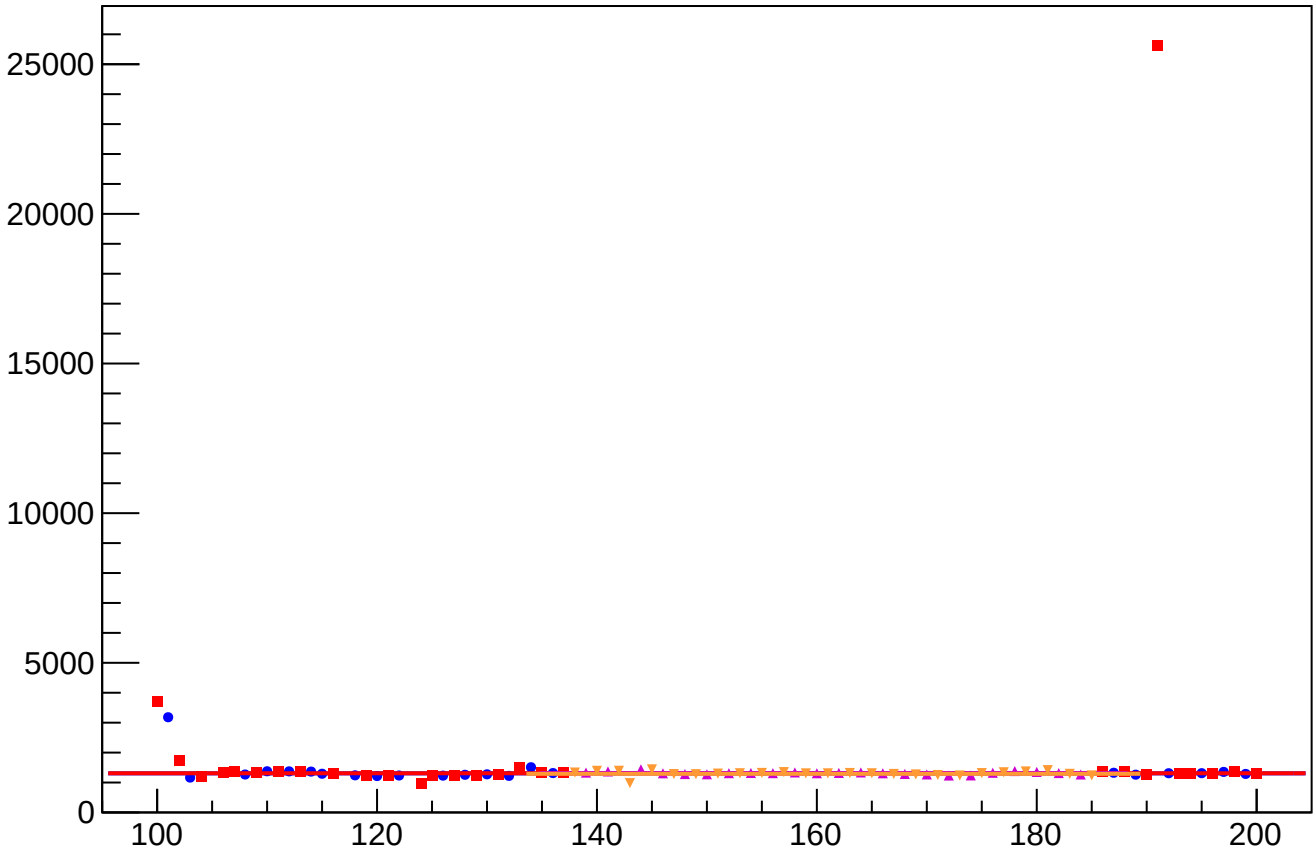
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -157.696+/-265.009 χ^2/NDF: 40.0/49

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 304.783+/-228.326 χ^2/NDF:69.0/52

All: -59.959+/-165.761 χ^2/NDF: 107.0/97



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

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

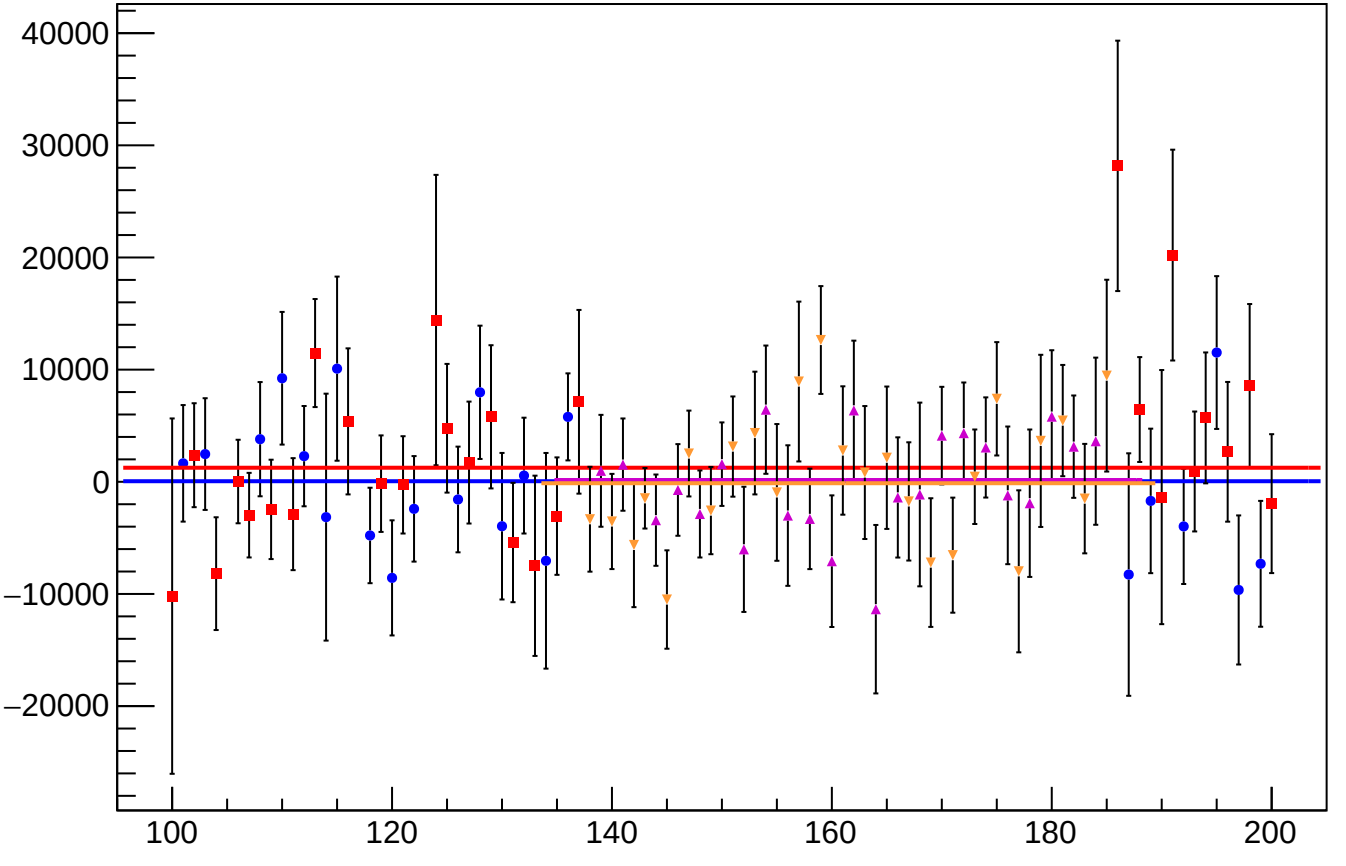
Right: 1307.769+/-0.187 χ^2/NDF: 877899.6/49

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.497+/-0.161 χ^2/NDF:597013.6/52

All: 1304.334+/-0.117 χ^2/NDF: 1157982.3/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

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

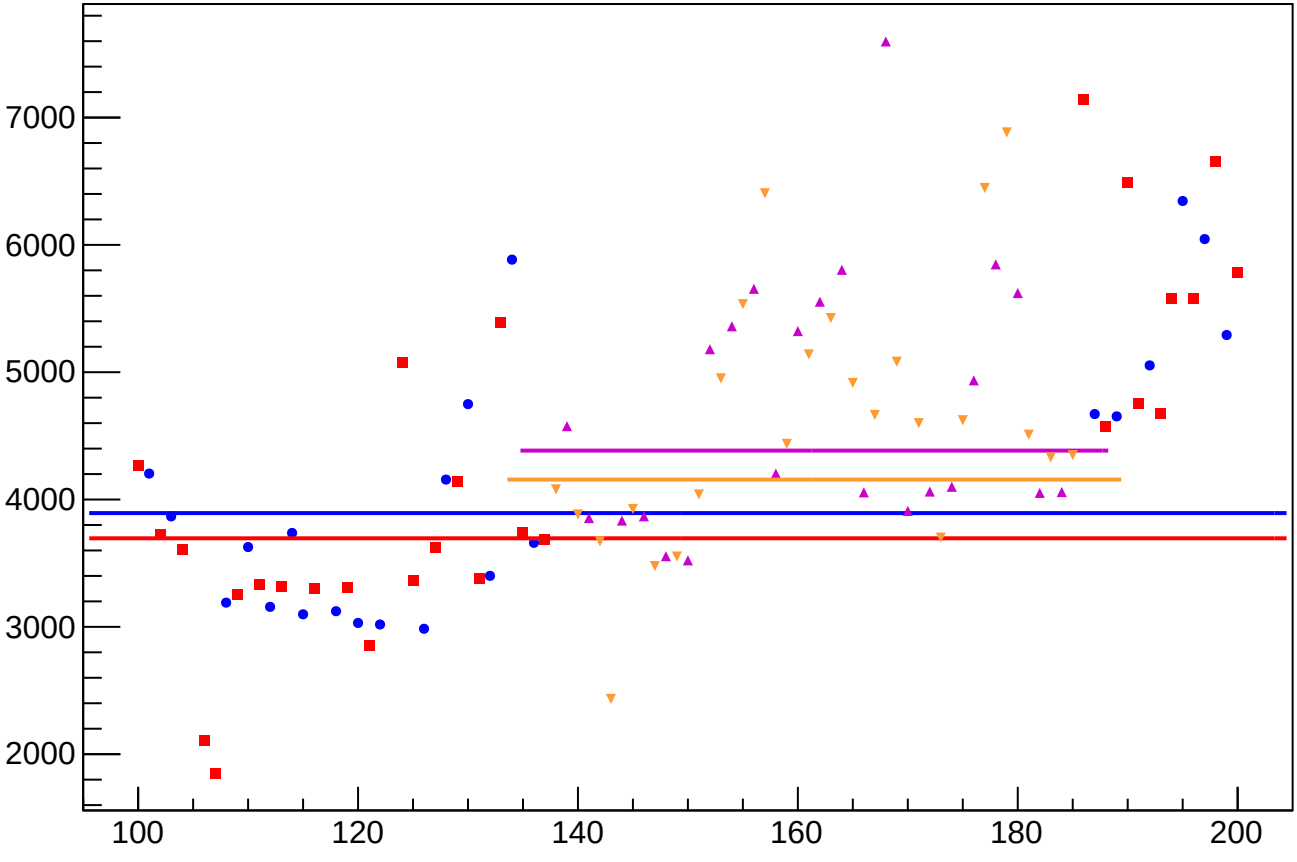
Right: 722.603+/-786.563 χ^2/NDF: 54.0/49

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 511.906+/-716.224 χ^2/NDF:60.4/52

All: 329.925+/-528.641 χ^2/NDF: 96.9/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

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

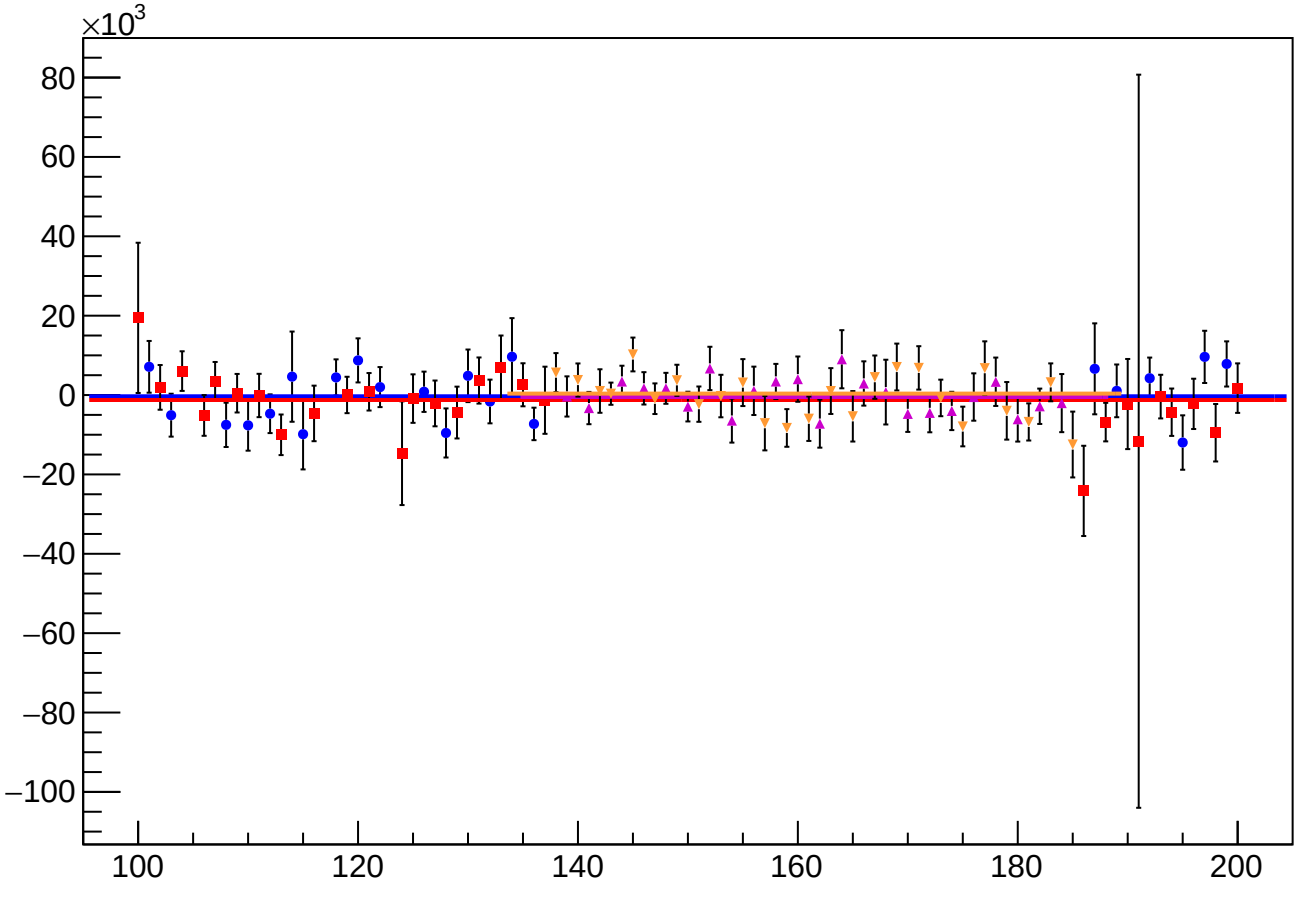
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3782.949+/-0.556 χ^2/NDF: 3848180.8/49

In: 4169.145+/-0.554 χ^2/NDF:2719913.5/44

Out: 3943.170+/-0.506 χ^2/NDF:4832619.1/52

All: 4046.038+/-0.374 χ^2/NDF: 7643162.4/97



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

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

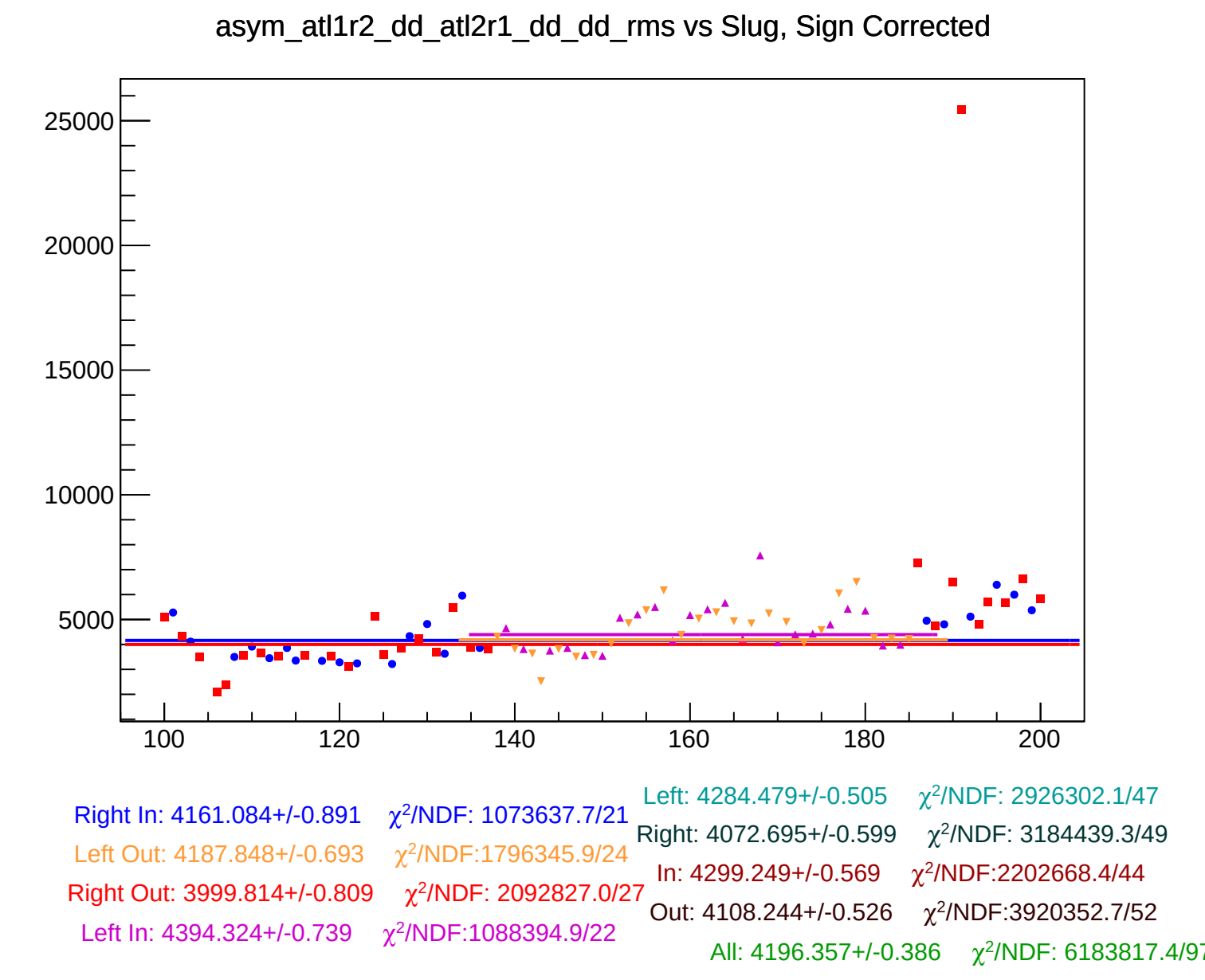
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -820.187+/-851.400 χ^2/NDF: 46.2/49

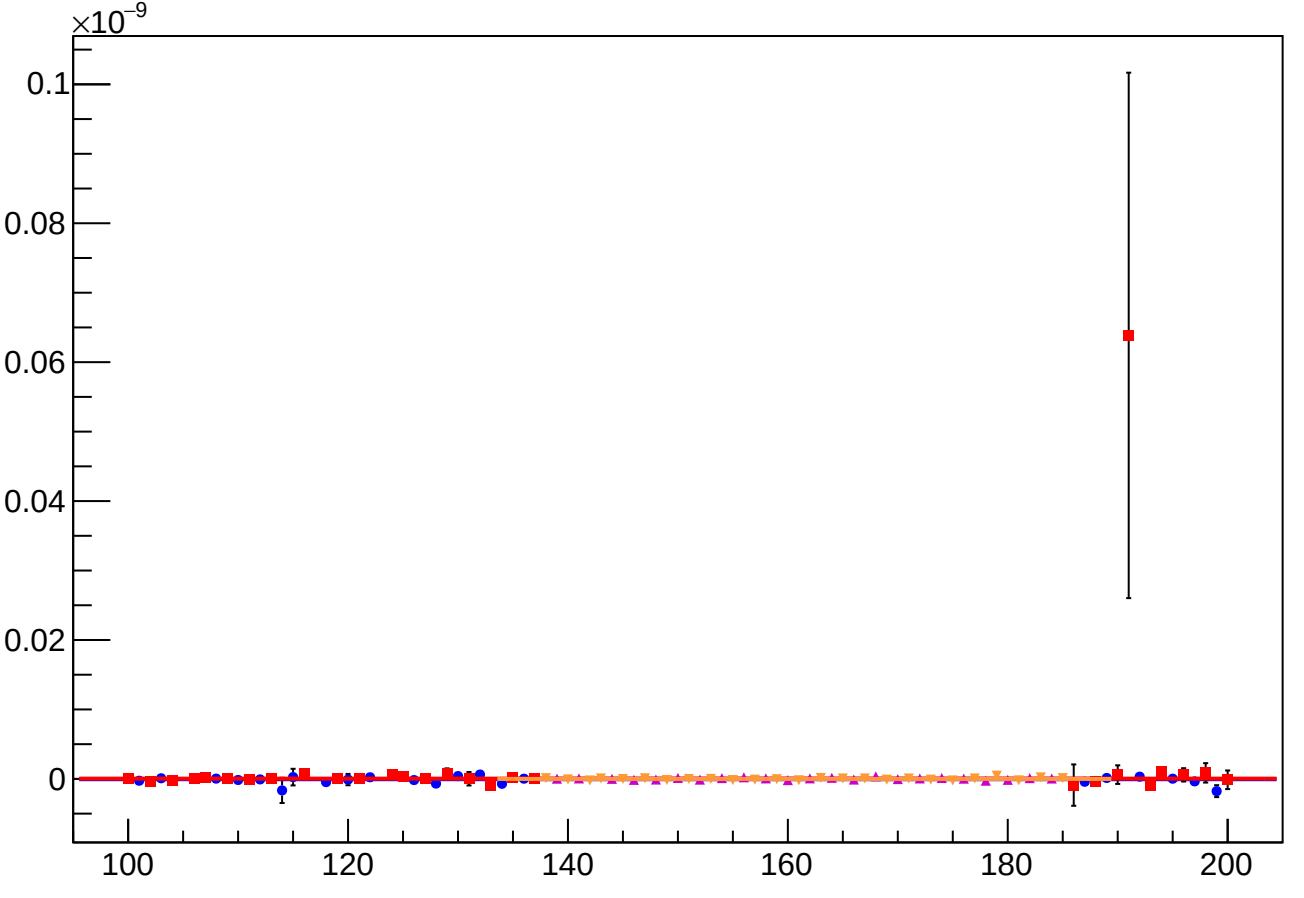
In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -310.671+/-747.313 χ^2/NDF:48.3/52

All: -362.491+/-547.396 χ^2/NDF: 88.6/97


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4161.084+/-0.891 χ²/NDF: 1073637.7/21
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: 4072.695+/-0.599 χ²/NDF: 3184439.3/49
In: 4299.249+/-0.569 χ²/NDF:2202668.4/44
Out: 4108.244+/-0.526 χ²/NDF:3920352.7/52
All: 4196.357+/-0.386 χ²/NDF: 6183817.4/97

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

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

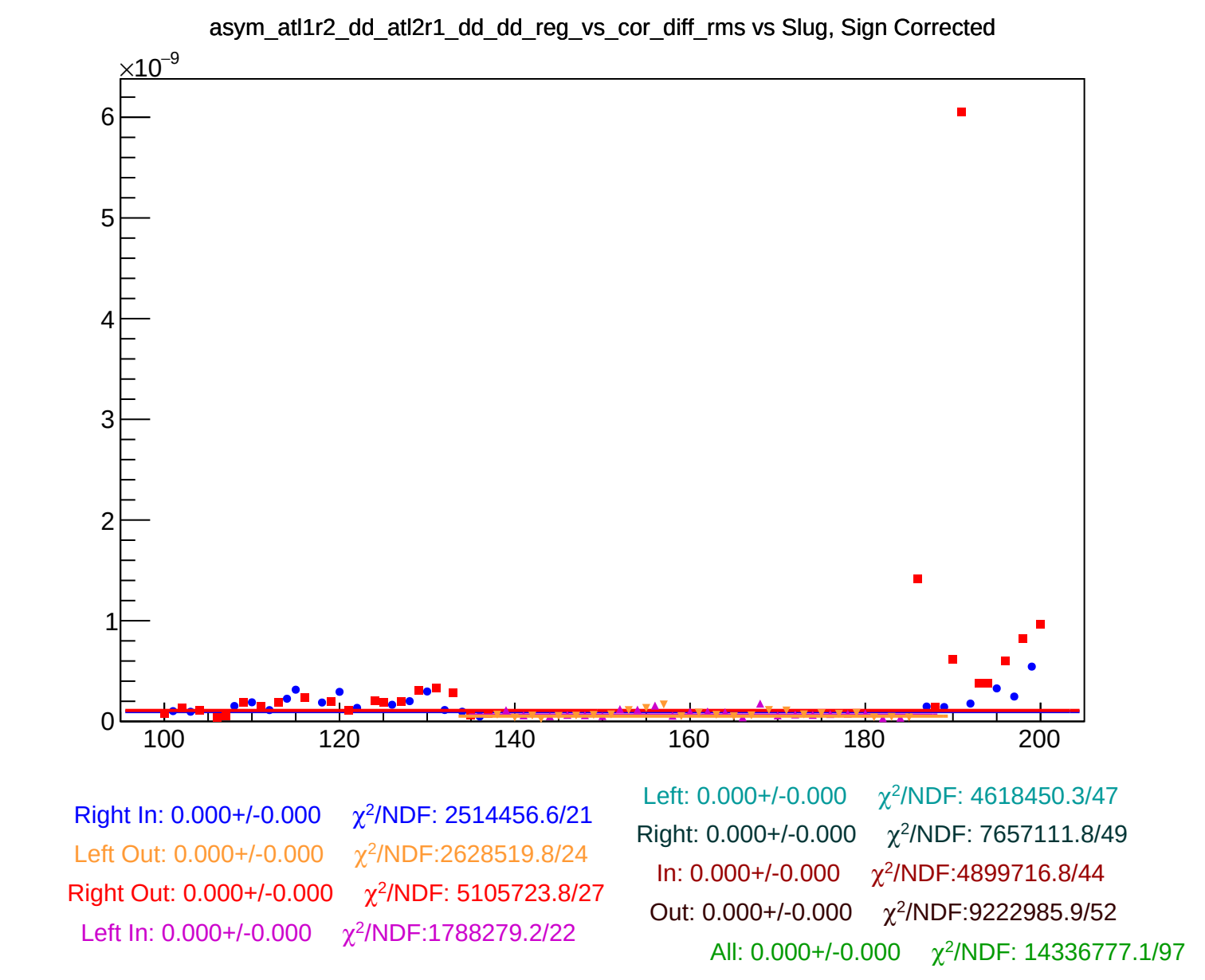
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/49

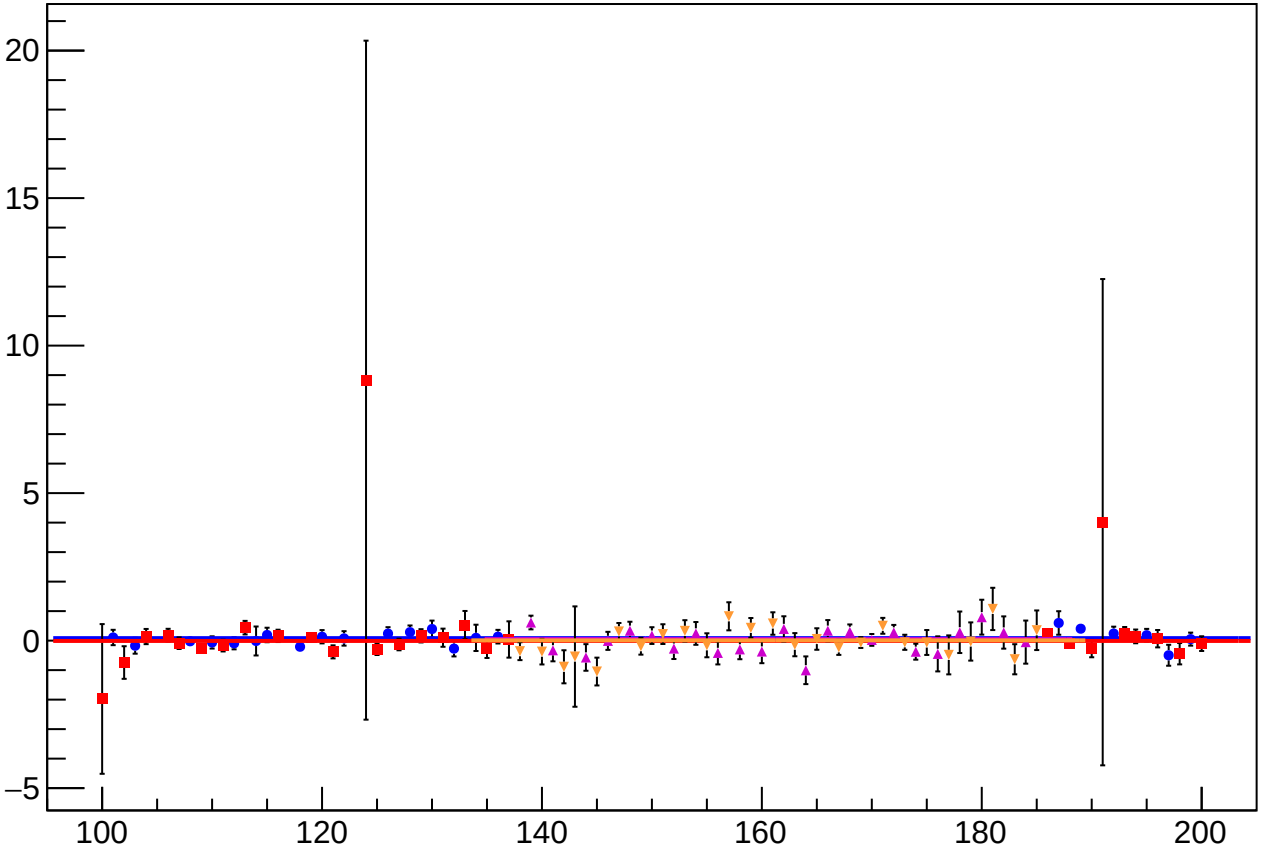
In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.4/52

All: 0.000+/-0.000 χ^2/NDF: 98.0/97


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: 2514456.6/21
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: 7657111.8/49
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:9222985.9/52
All: 0.000+/-0.000 χ²/NDF: 14336777.1/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

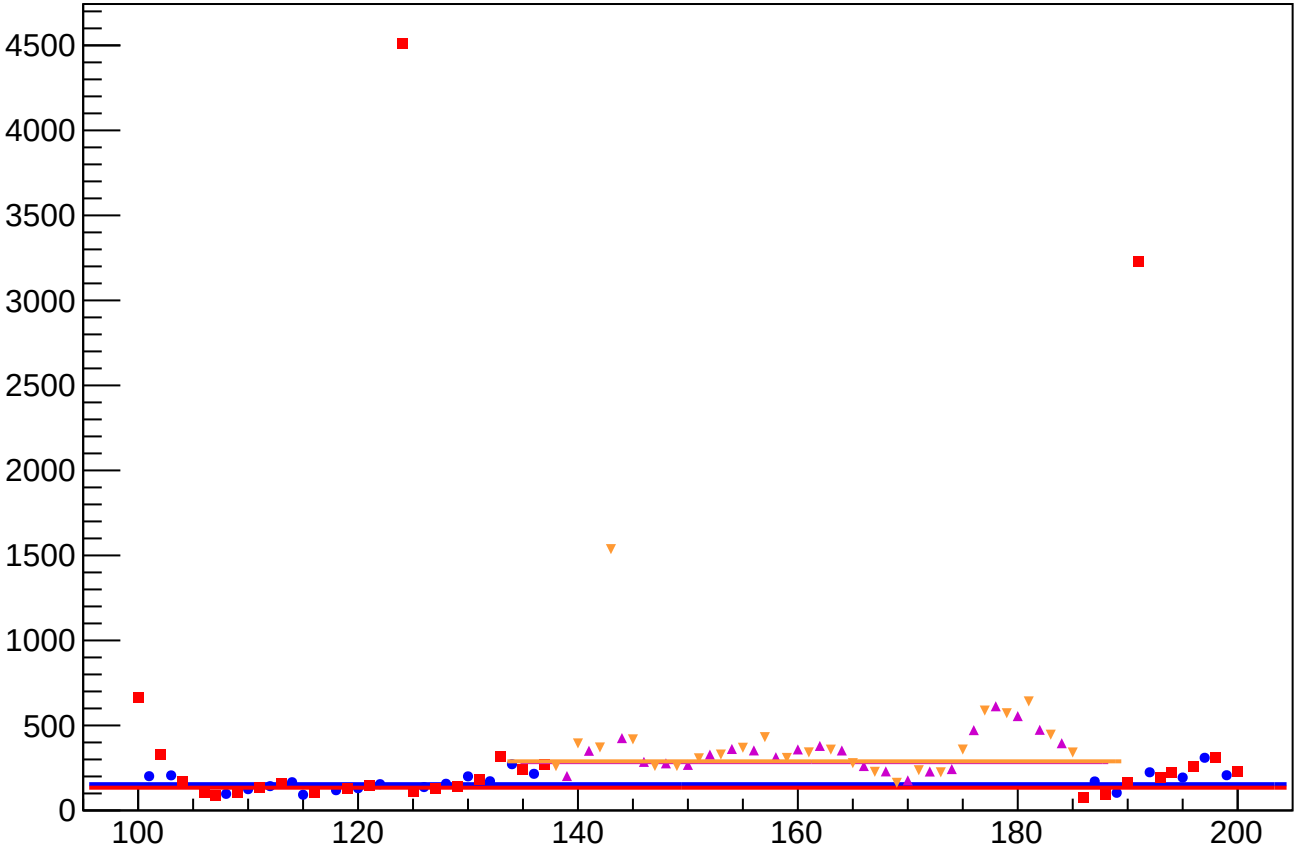
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

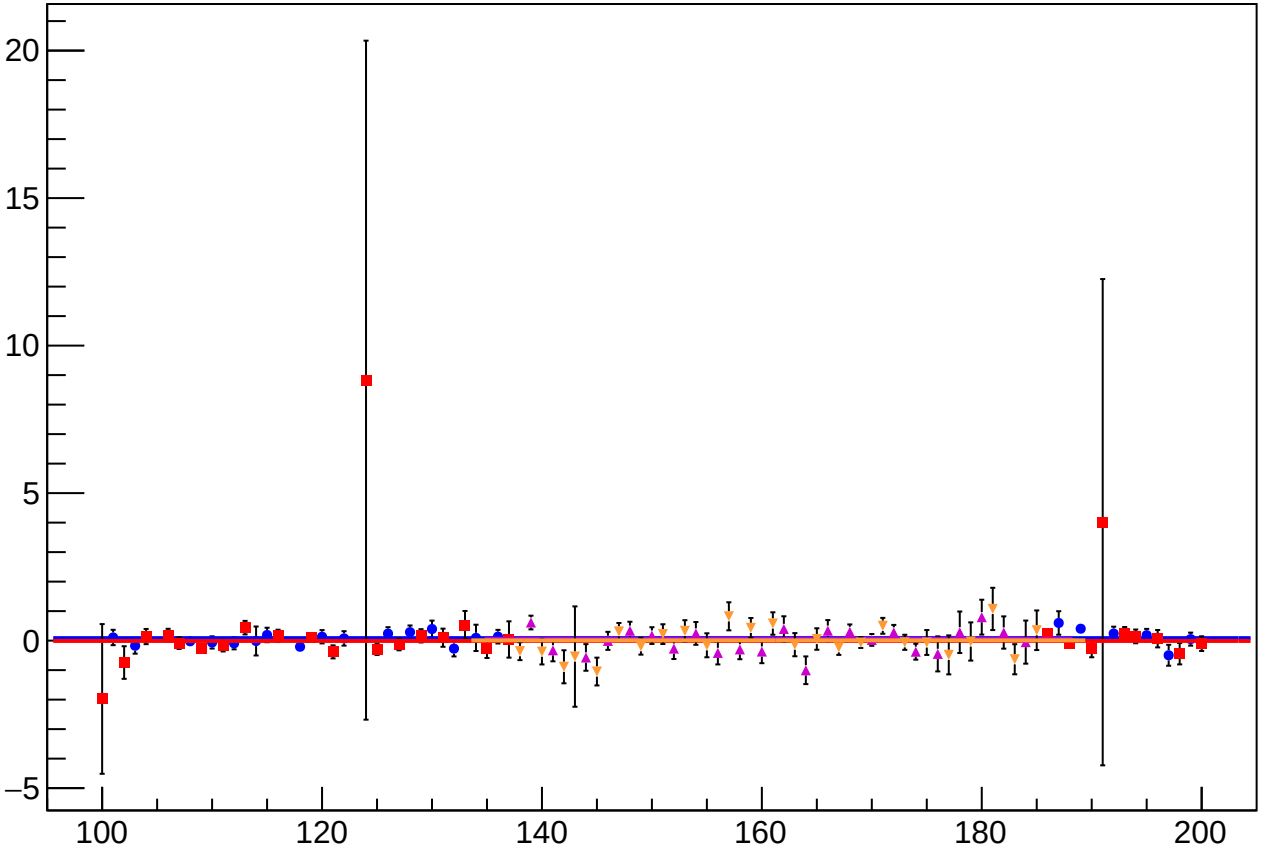
Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

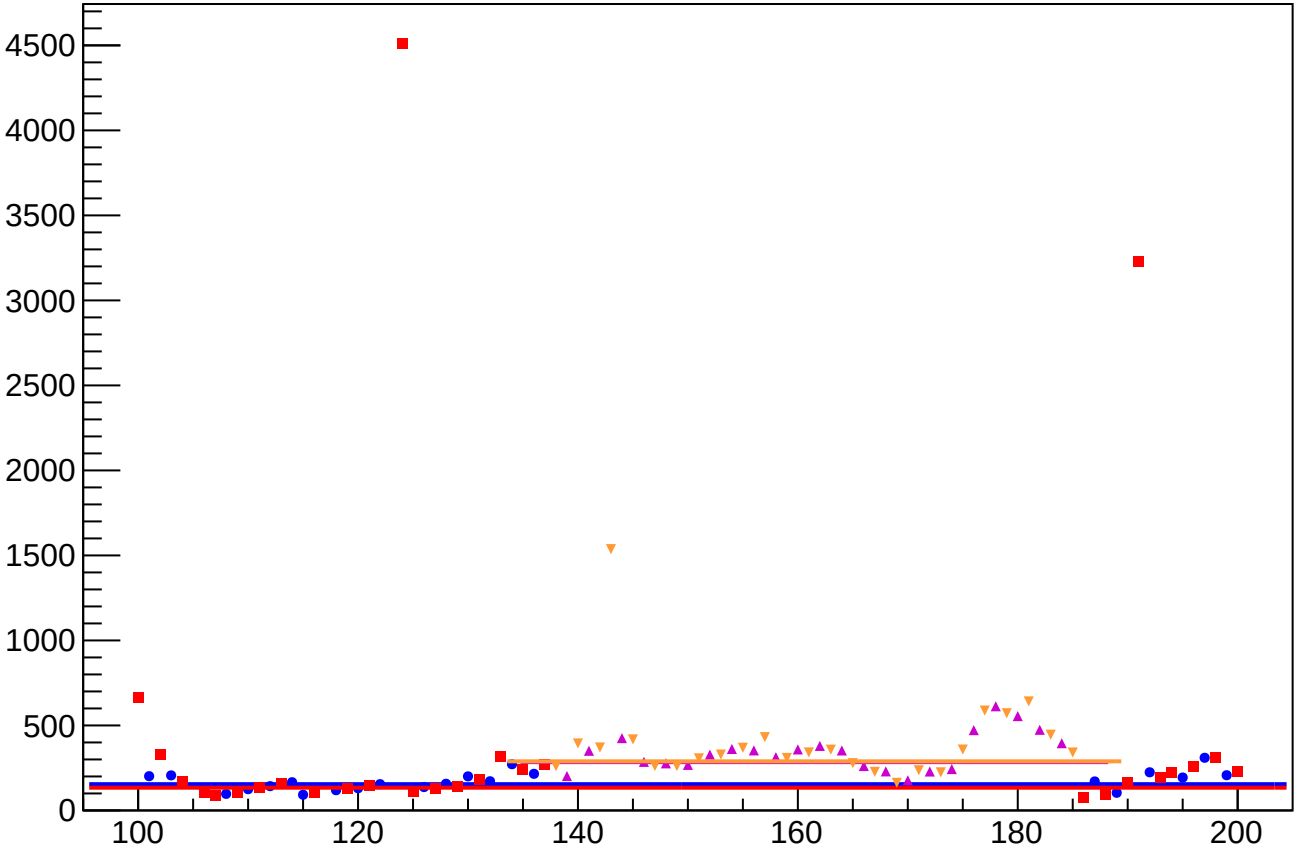
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

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

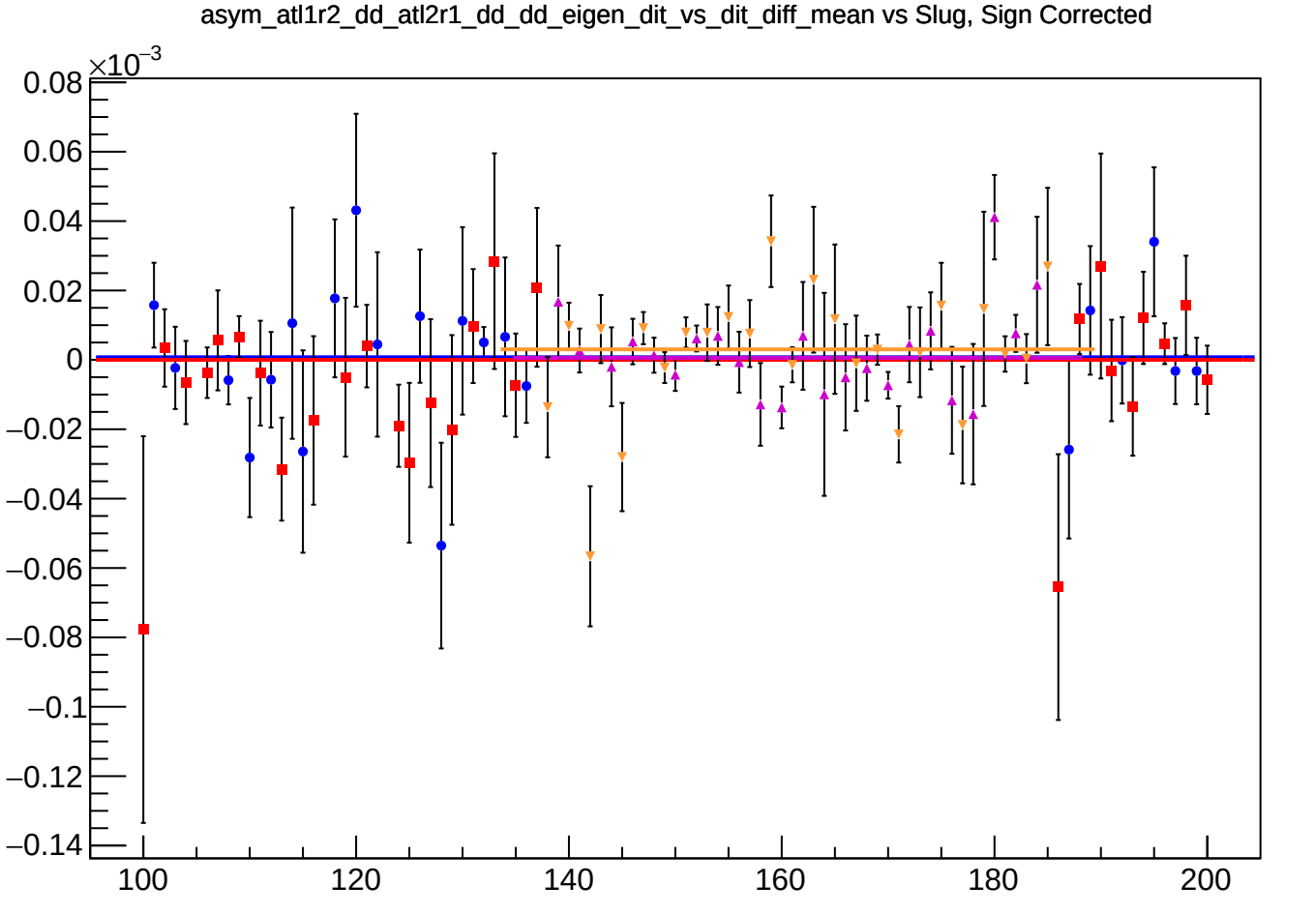
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 142.550+/-0.022 χ^2/NDF: 6483615.7/49

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 173.230+/-0.025 χ^2/NDF:16031807.6/52

All: 183.635+/-0.019 χ^2/NDF: 26064982.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

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

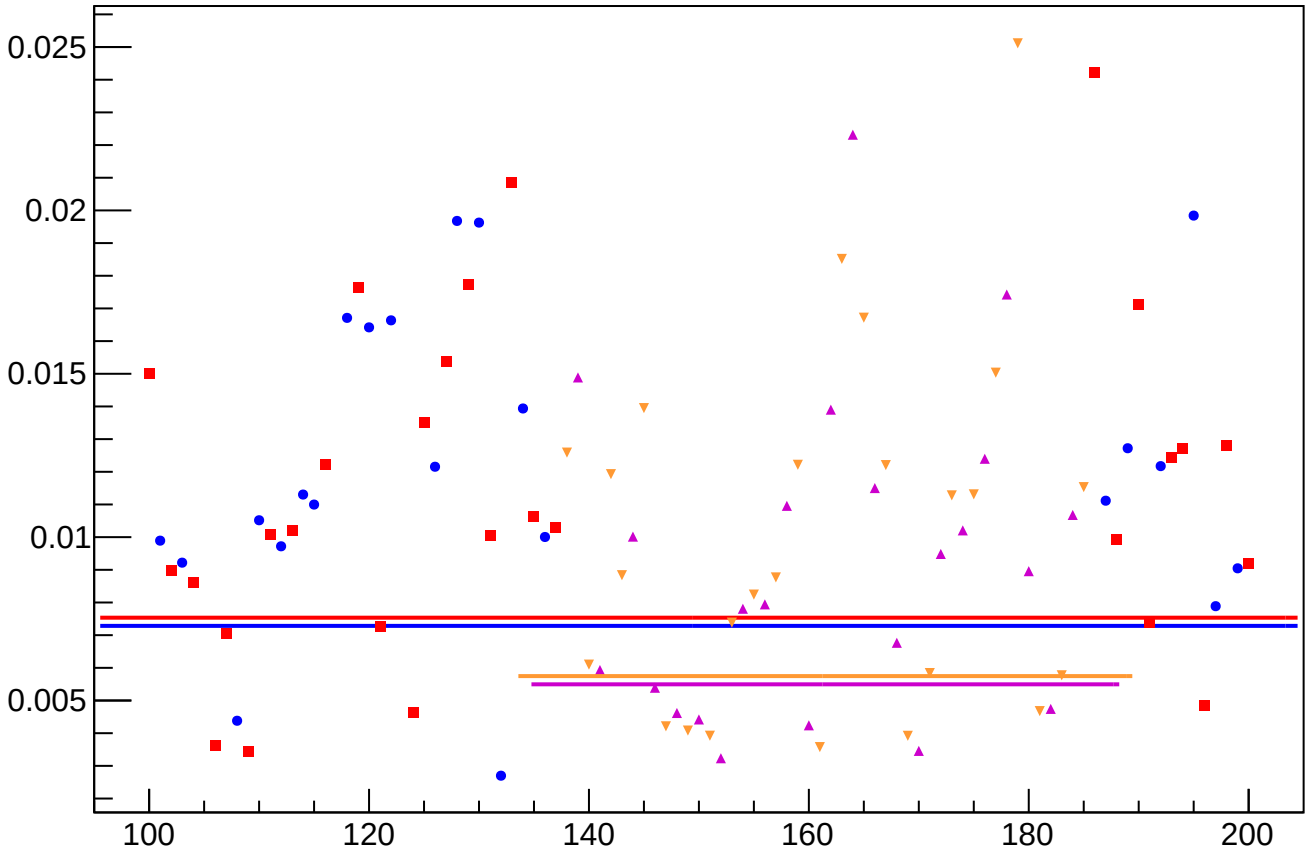
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 44.7/49

In: 0.000+/-0.000 χ^2/NDF:52.4/44

Out: 0.000+/-0.000 χ^2/NDF:68.9/52

All: 0.000+/-0.000 χ^2/NDF: 122.0/97



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

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

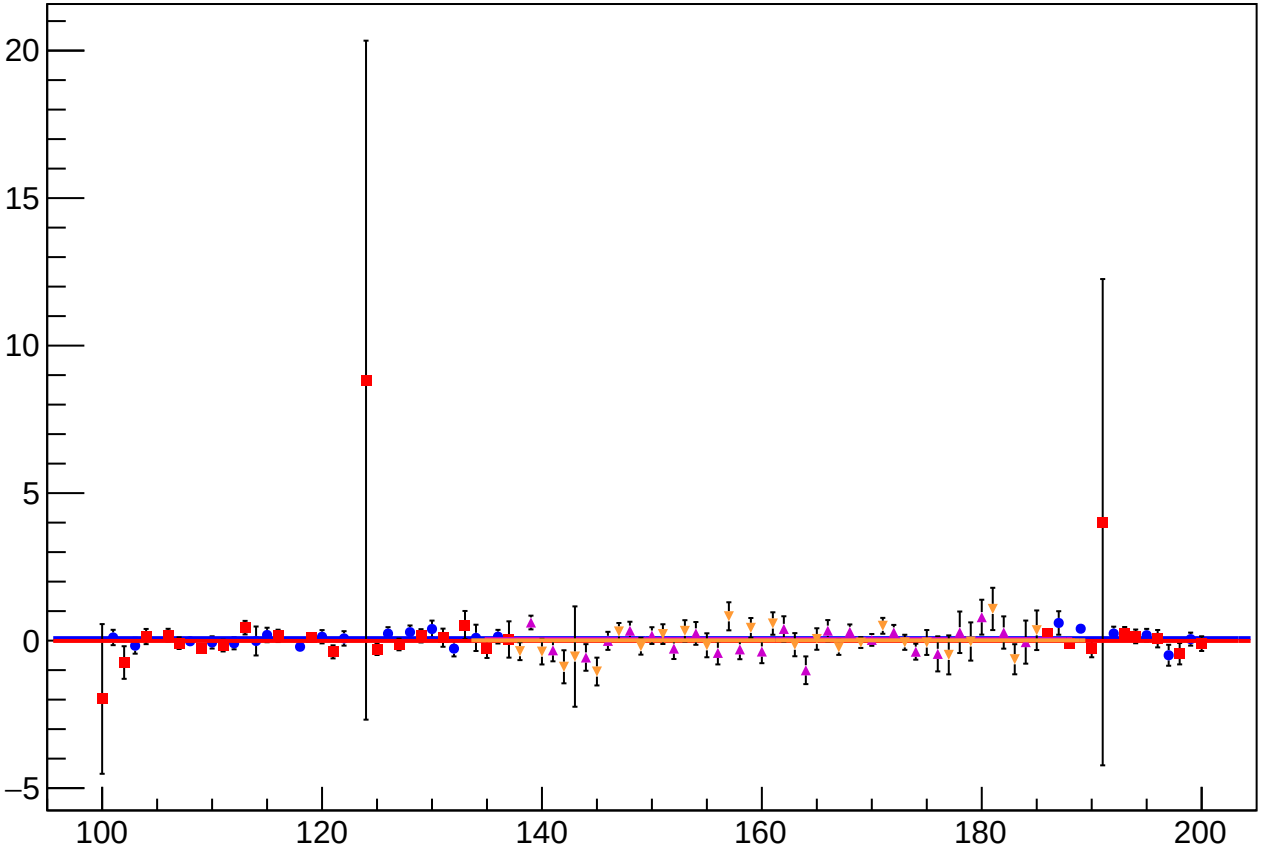
Right: 0.007+/-0.000 χ^2/NDF: 11563174.2/49

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14378649.9/52

All: 0.006+/-0.000 χ^2/NDF: 28213395.7/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

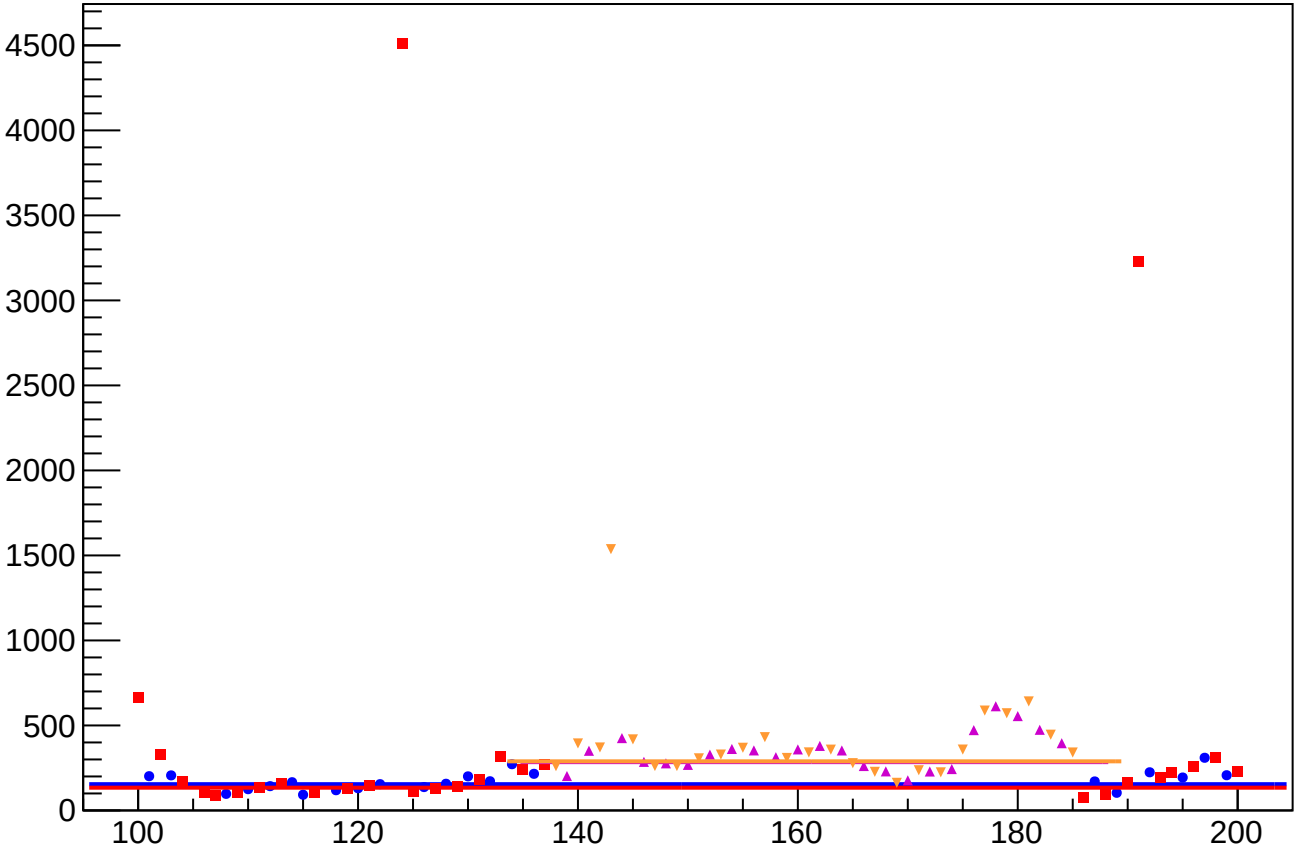
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

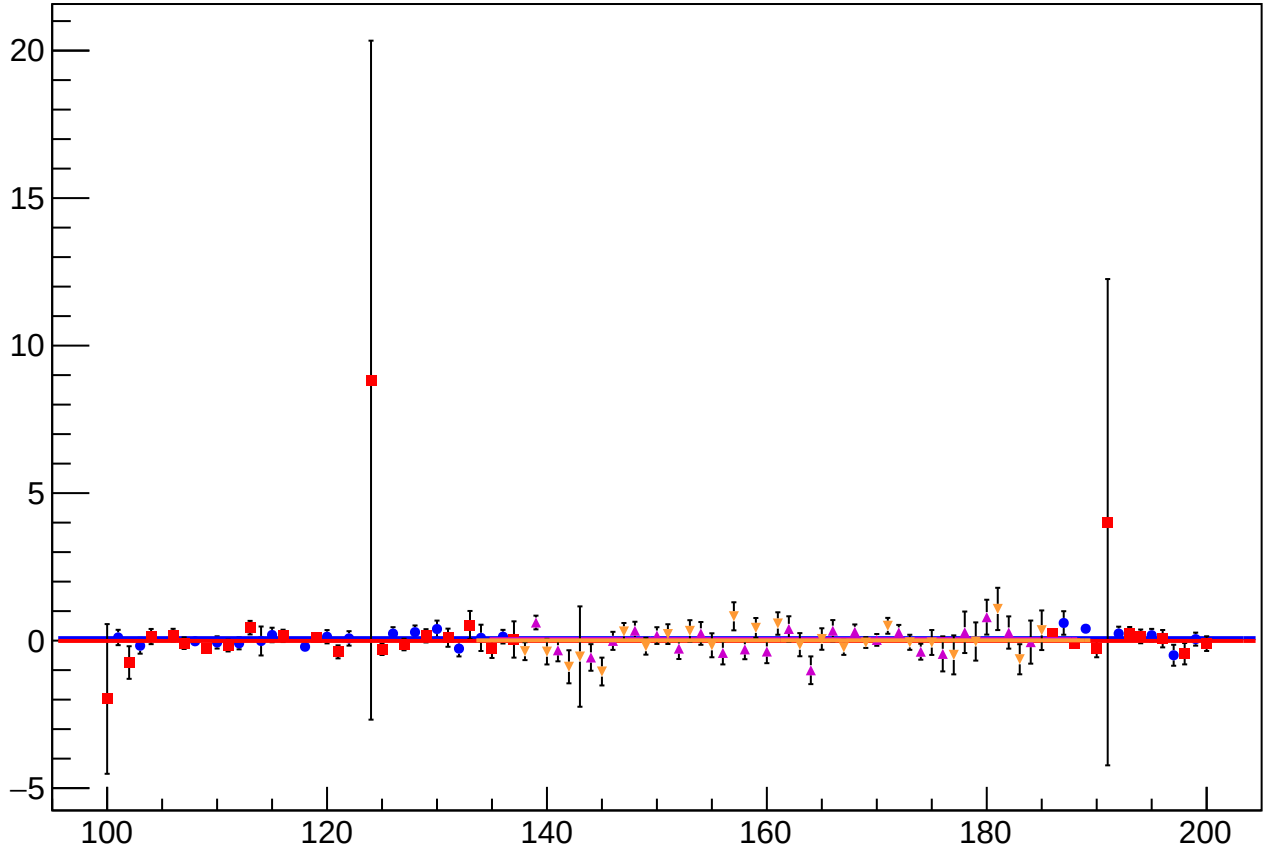
Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

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

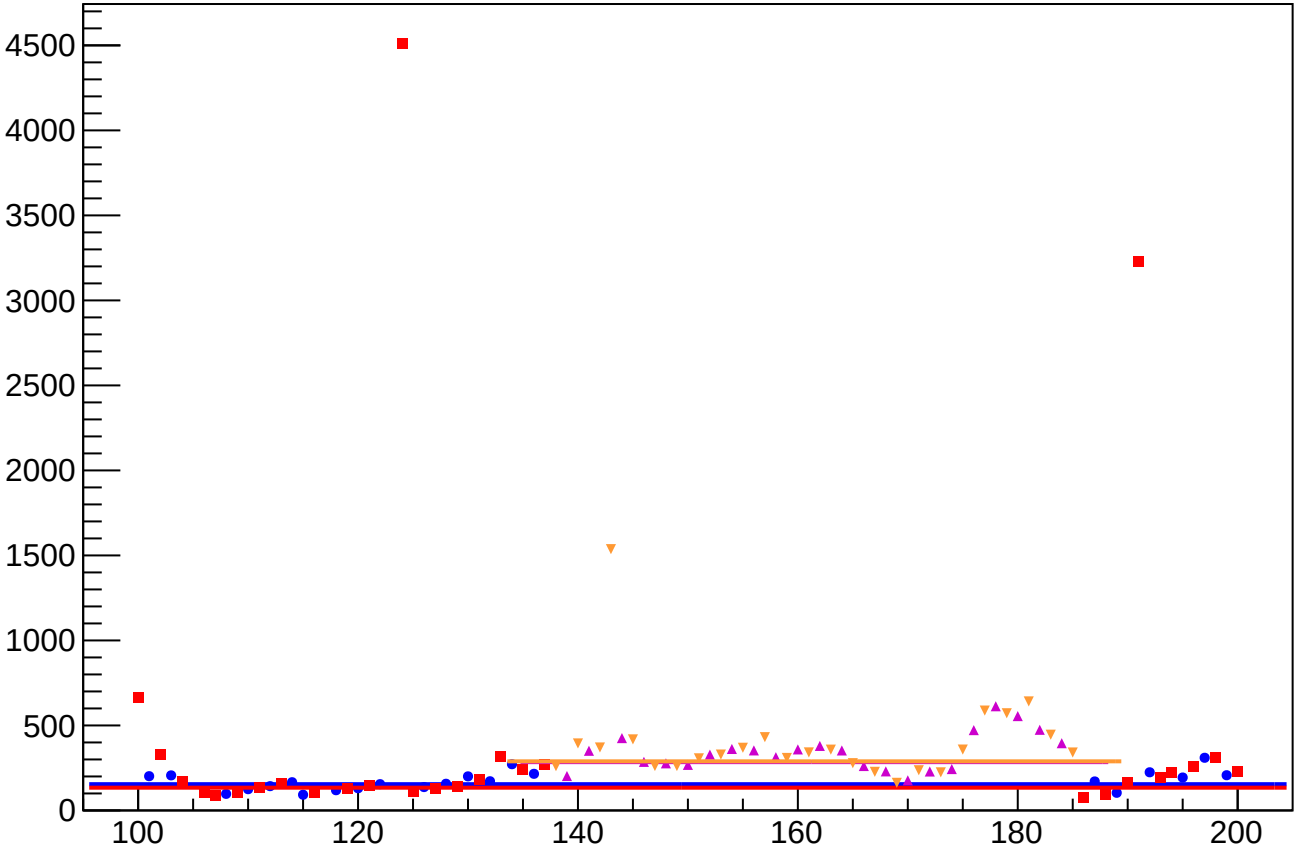
Right: 0.029+/-0.032 χ^2/NDF: 51.1/49

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.006+/-0.036 χ^2/NDF:58.1/52

All: 0.030+/-0.027 χ^2/NDF: 108.0/97

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

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

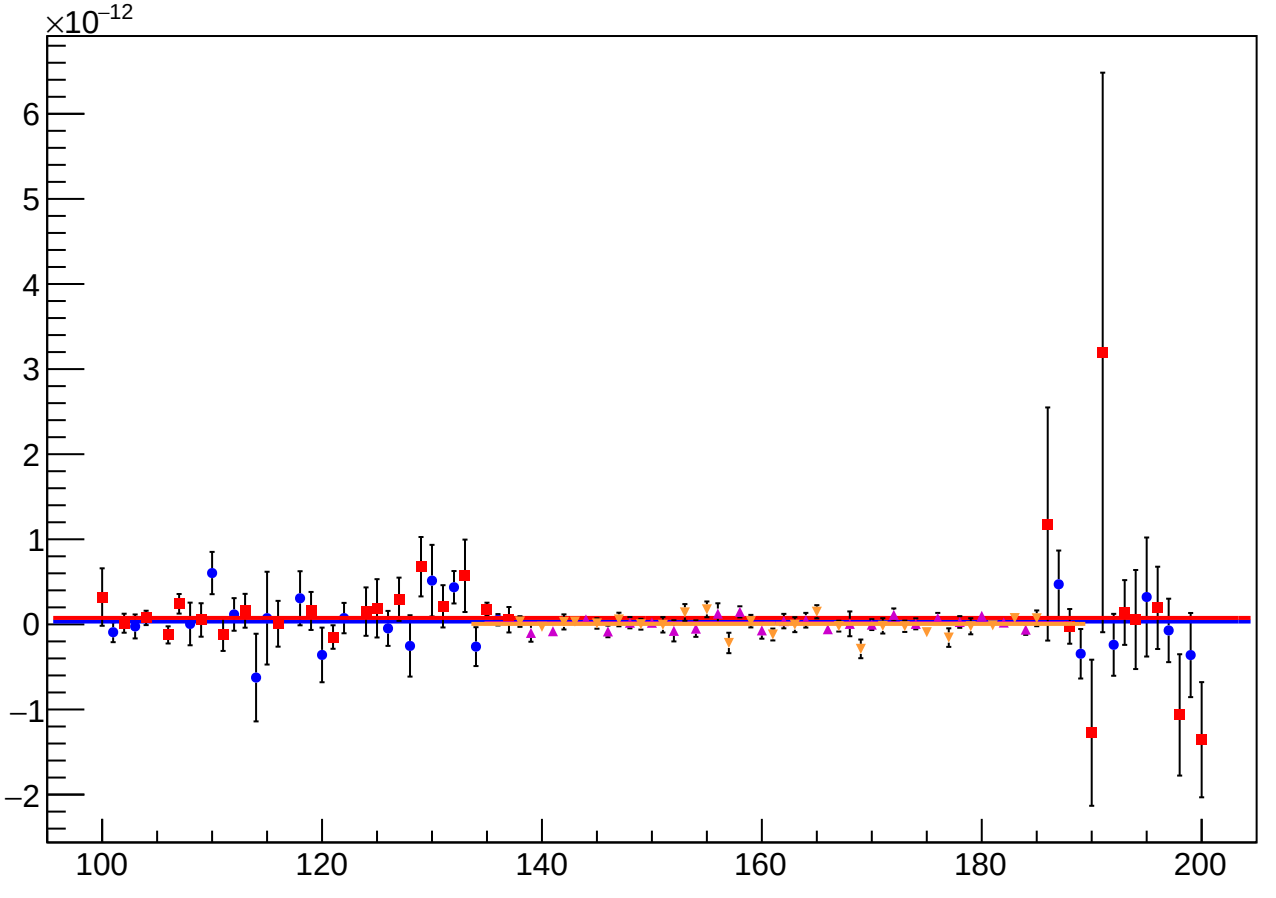
Right: 142.550+/-0.022 χ^2/NDF: 6483373.0/49

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 173.231+/-0.025 χ^2/NDF:16031610.2/52

All: 183.636+/-0.019 χ^2/NDF: 26064917.3/97

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: 23.4/21

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

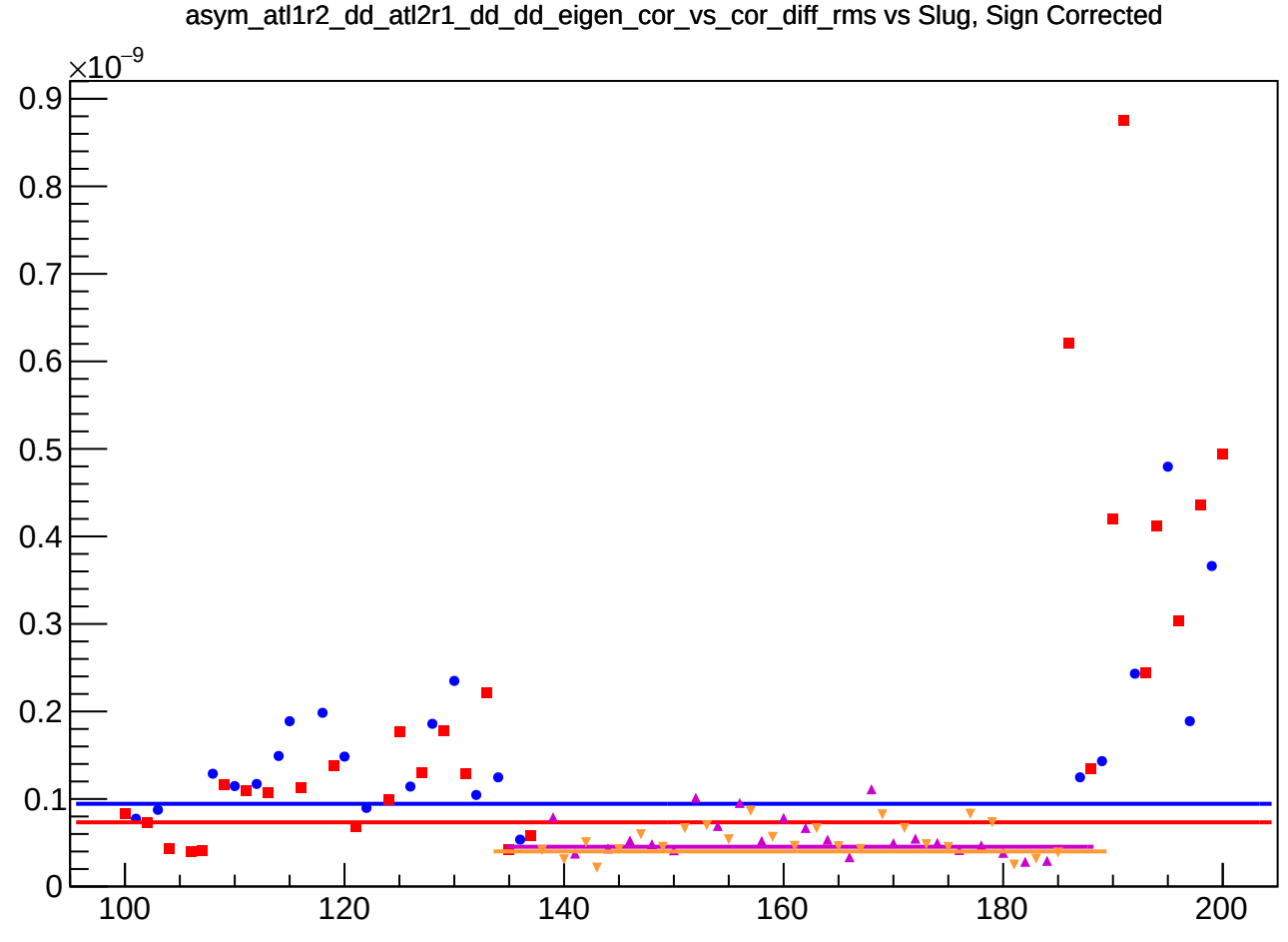
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/49

In: 0.000+/-0.000 χ^2/NDF:46.8/44

Out: 0.000+/-0.000 χ^2/NDF:67.7/52

All: 0.000+/-0.000 χ^2/NDF: 114.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

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

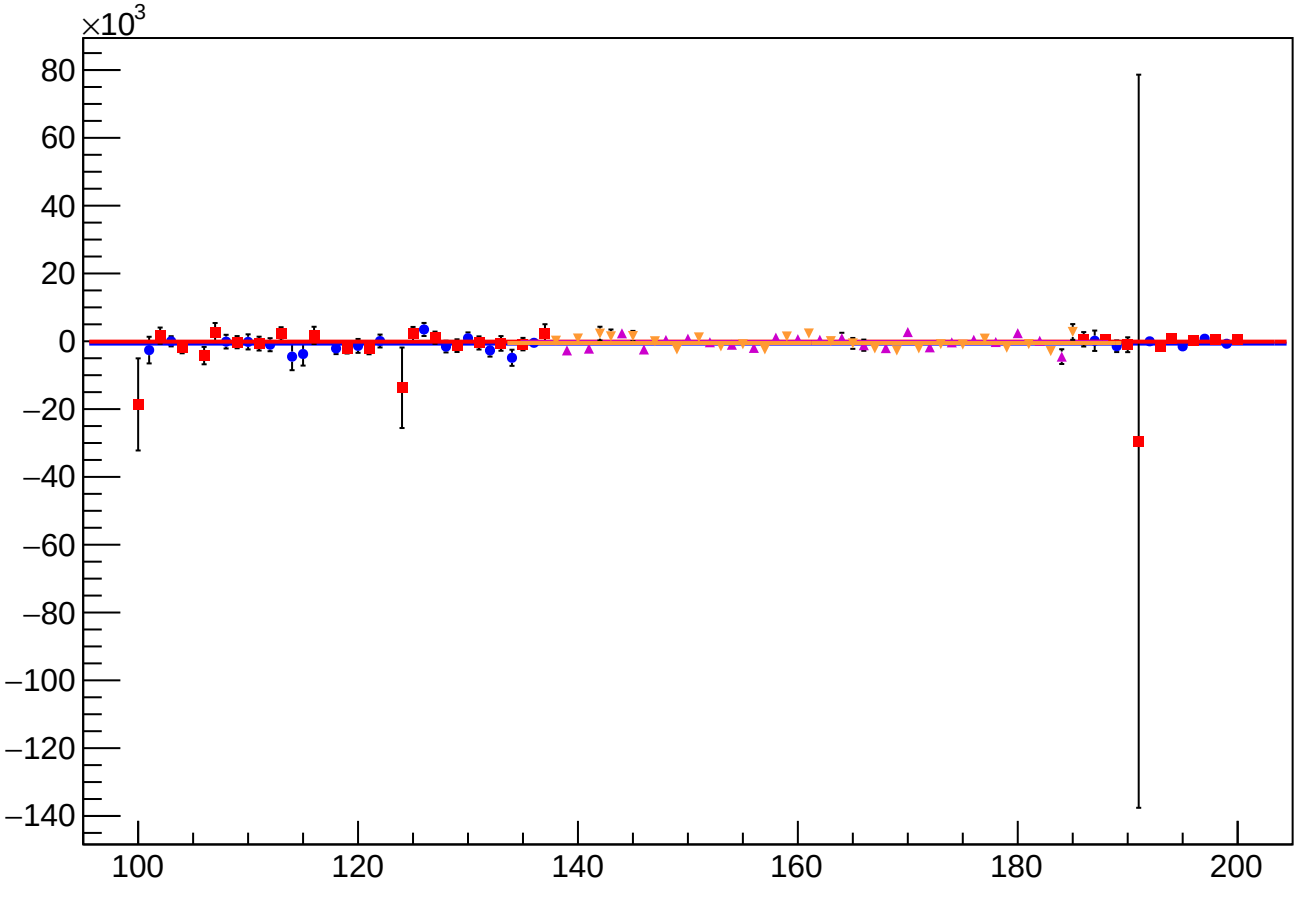
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9732436.4/49

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:11395089.1/52

All: 0.000+/-0.000 χ^2/NDF: 20356951.0/97



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

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

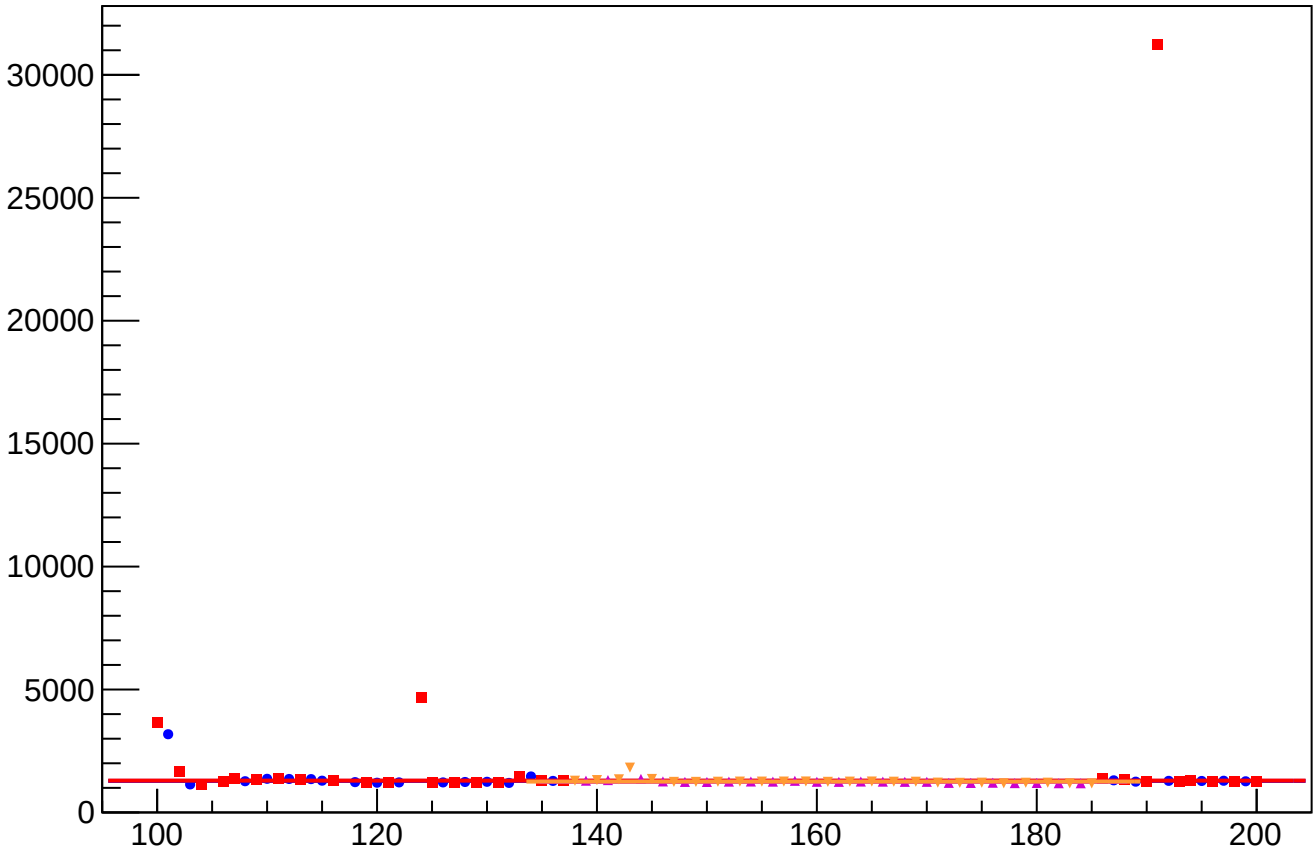
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -373.881+/-261.398 χ^2/NDF: 35.1/49

In: -403.675+/-231.635 χ^2/NDF:48.3/44

Out: -354.743+/-223.477 χ^2/NDF:50.2/52

All: -378.333+/-160.829 χ^2/NDF: 98.5/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

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

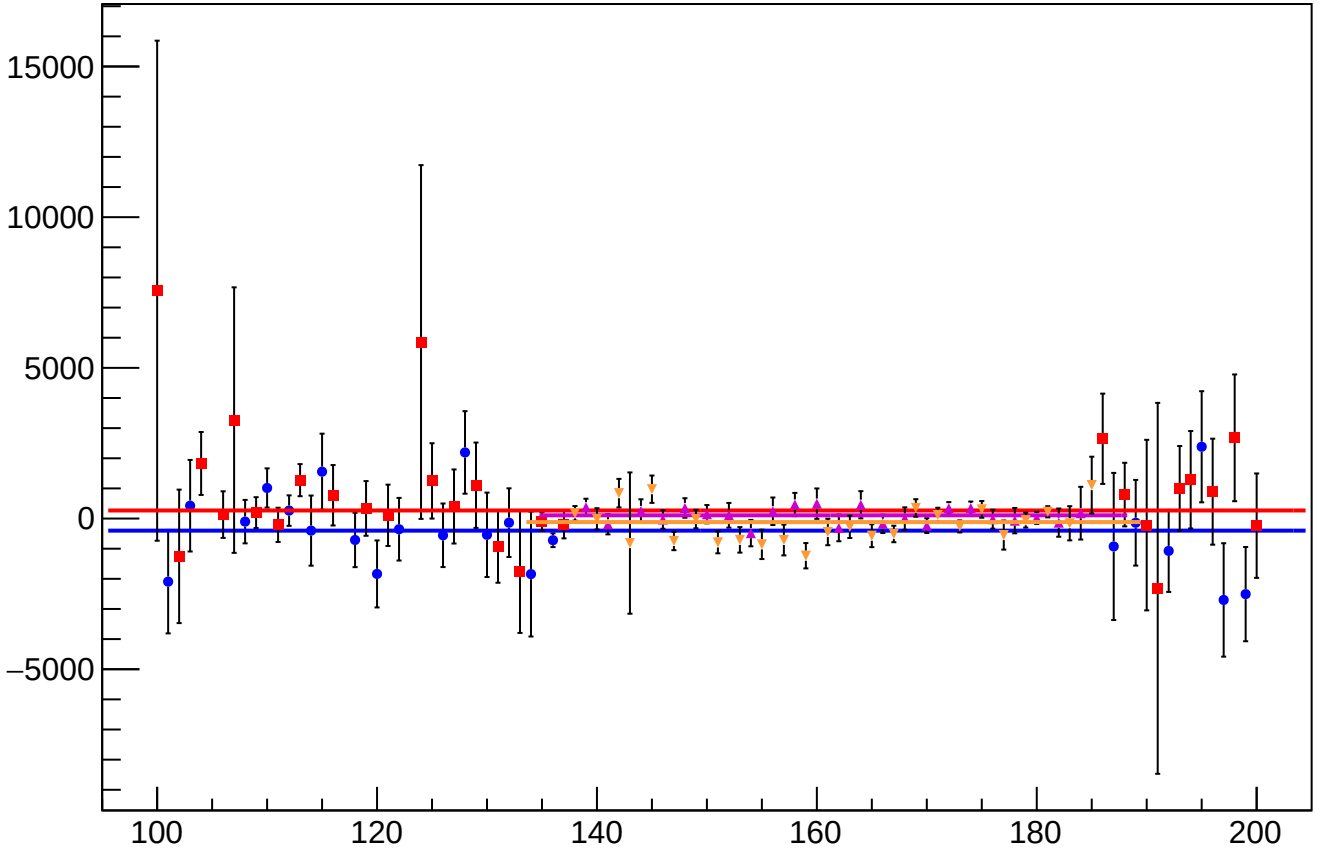
Right: 1289.230+/-0.185 χ^2/NDF: 1010817.7/49

In: 1259.825+/-0.164 χ^2/NDF:570809.2/44

Out: 1270.749+/-0.158 χ^2/NDF:708255.3/52

All: 1265.483+/-0.114 χ^2/NDF: 1281368.0/97

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

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

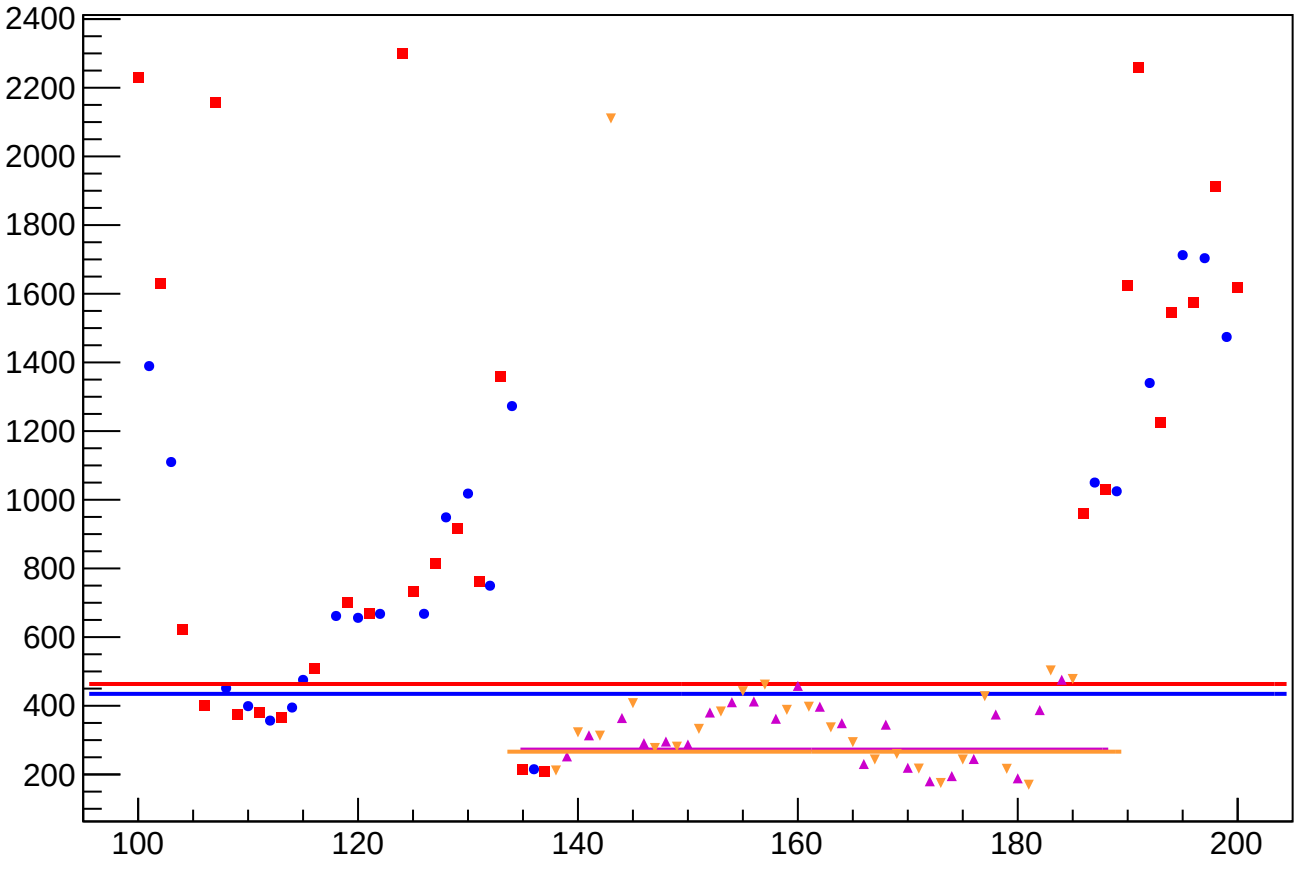
Right: -64.249+/-115.028 χ^2/NDF: 52.6/49

In: 34.042+/-61.982 χ^2/NDF:46.1/44

Out: -63.631+/-60.379 χ^2/NDF:73.3/52

All: -16.074+/-43.250 χ^2/NDF: 120.7/97

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

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

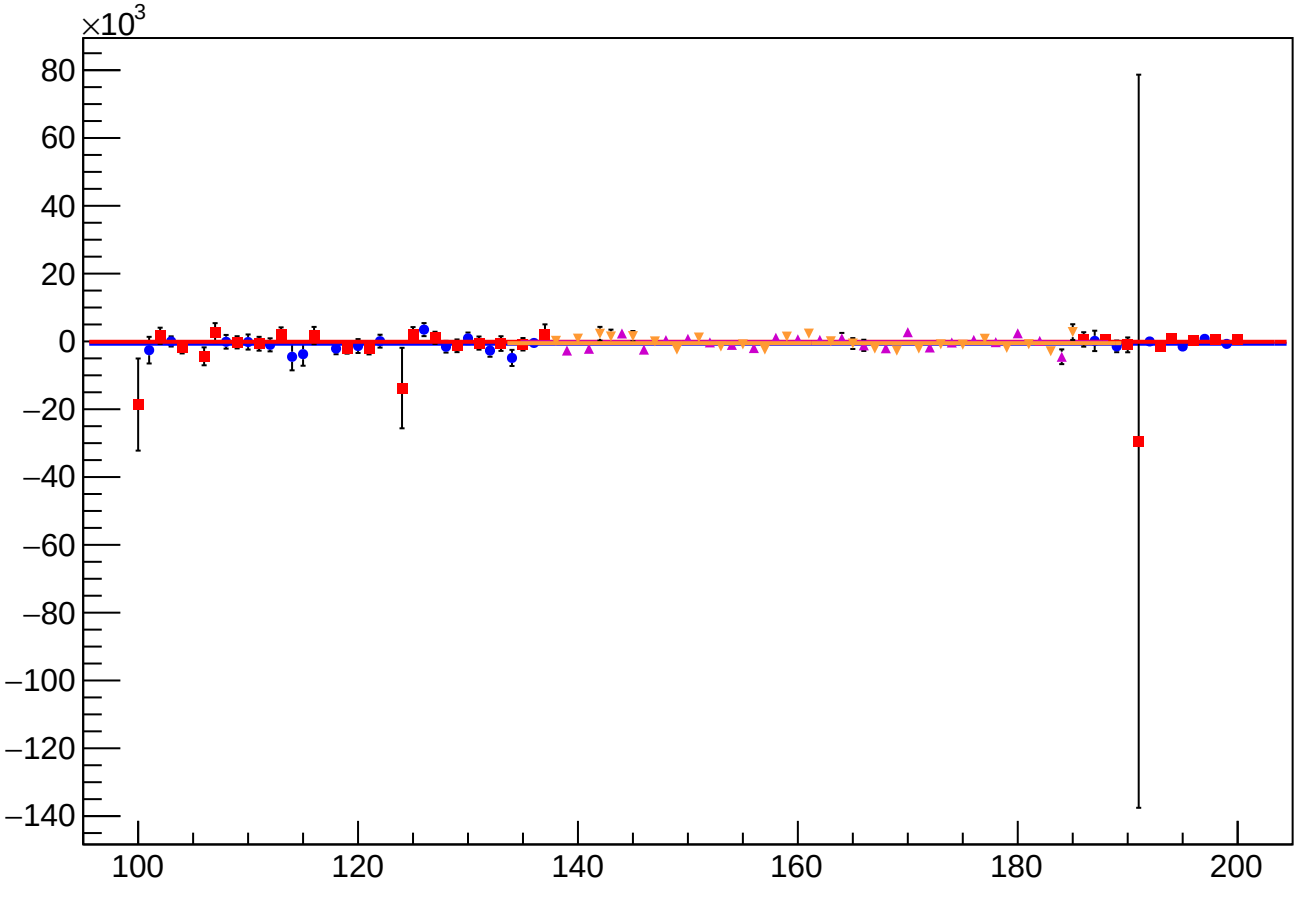
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 449.182+/-0.081 χ^2/NDF: 18496825.9/49

In: 295.775+/-0.044 χ^2/NDF:13117339.4/44

Out: 293.665+/-0.043 χ^2/NDF:17106307.6/52

All: 294.692+/-0.031 χ^2/NDF: 30224837.3/97



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

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

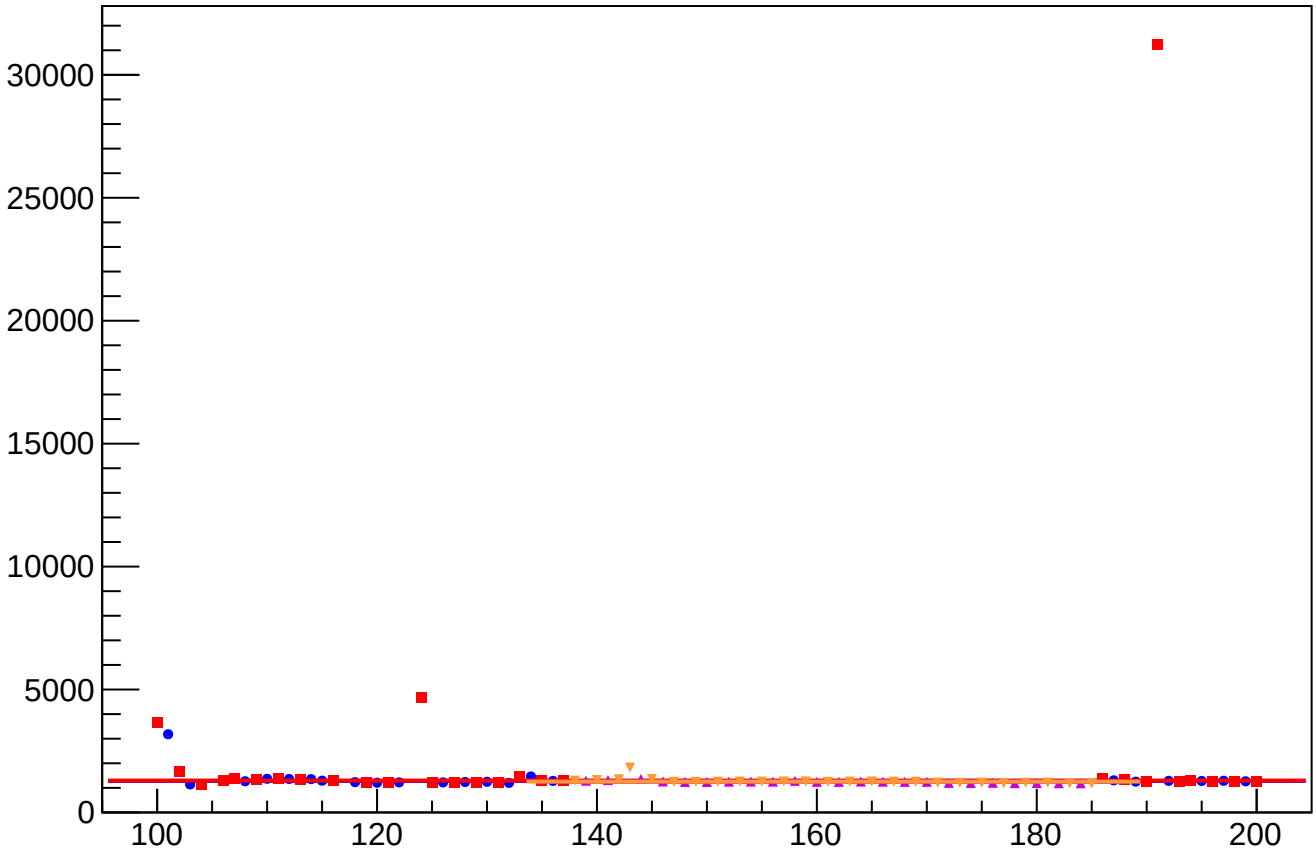
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -373.032+/-261.479 χ^2/NDF: 35.2/49

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -377.988+/-160.848 χ^2/NDF: 98.6/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

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

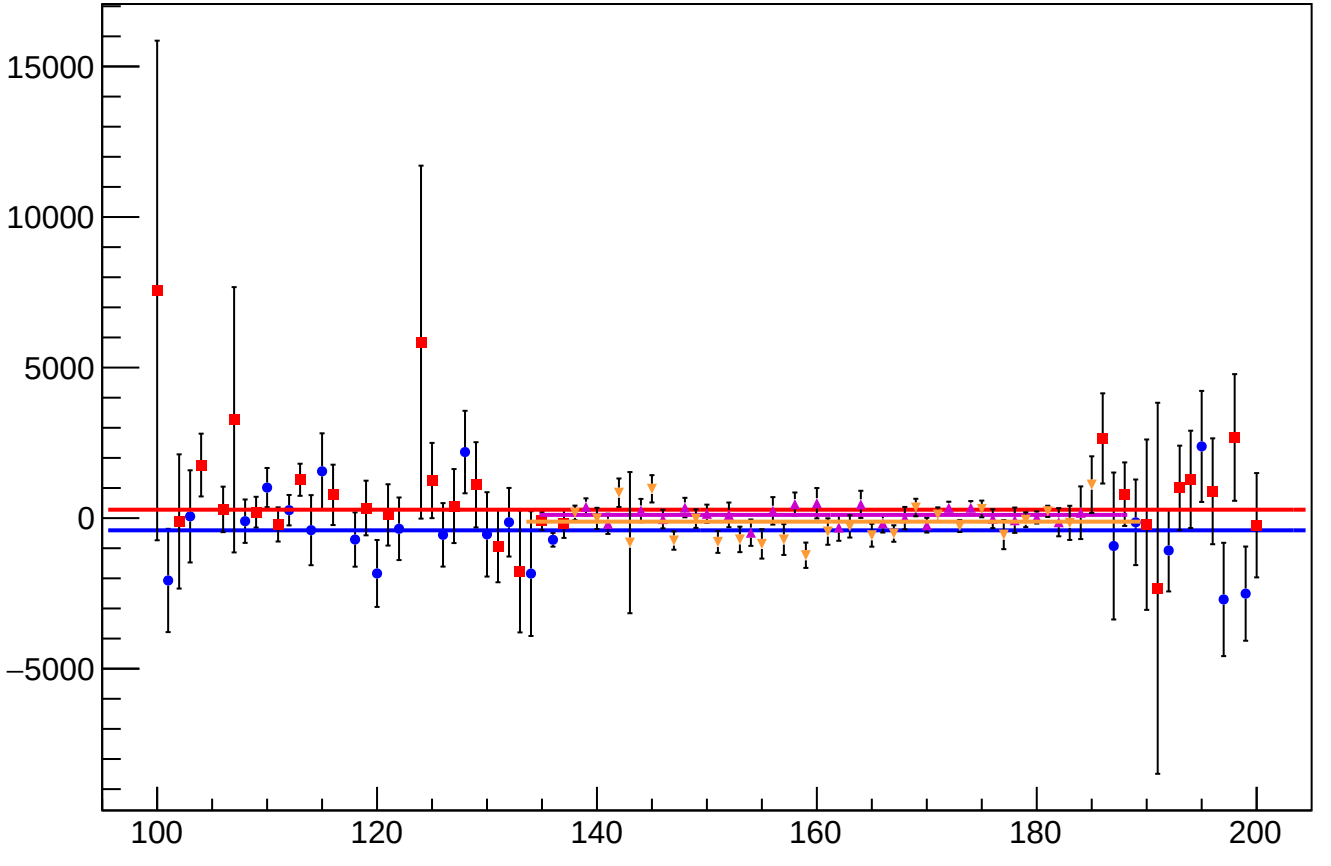
Right: 1289.645+/-0.185 χ^2/NDF: 1010667.6/49

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

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

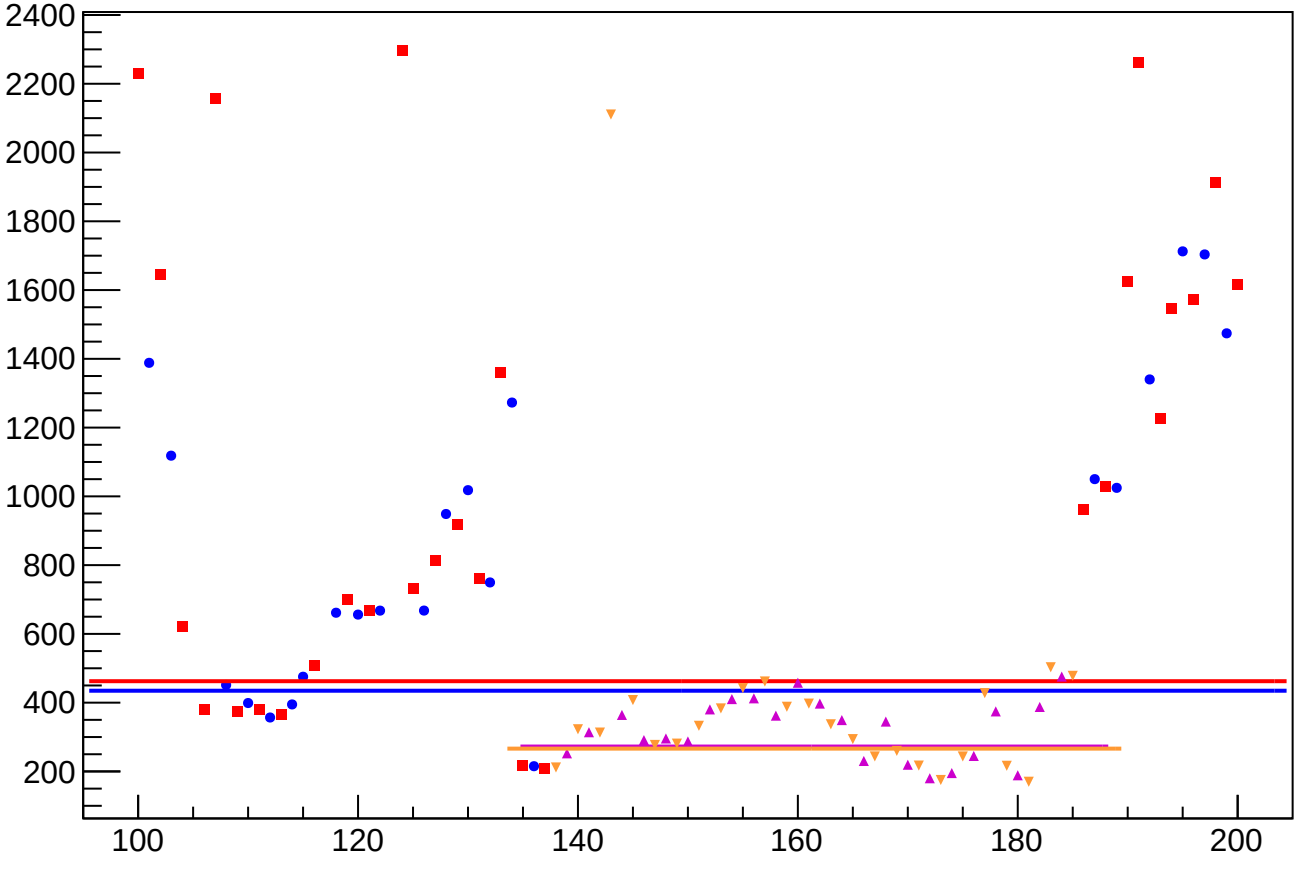
Right: -59.939+/-114.972 χ^2/NDF: 52.1/49

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.411+/-43.248 χ^2/NDF: 120.2/97

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

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

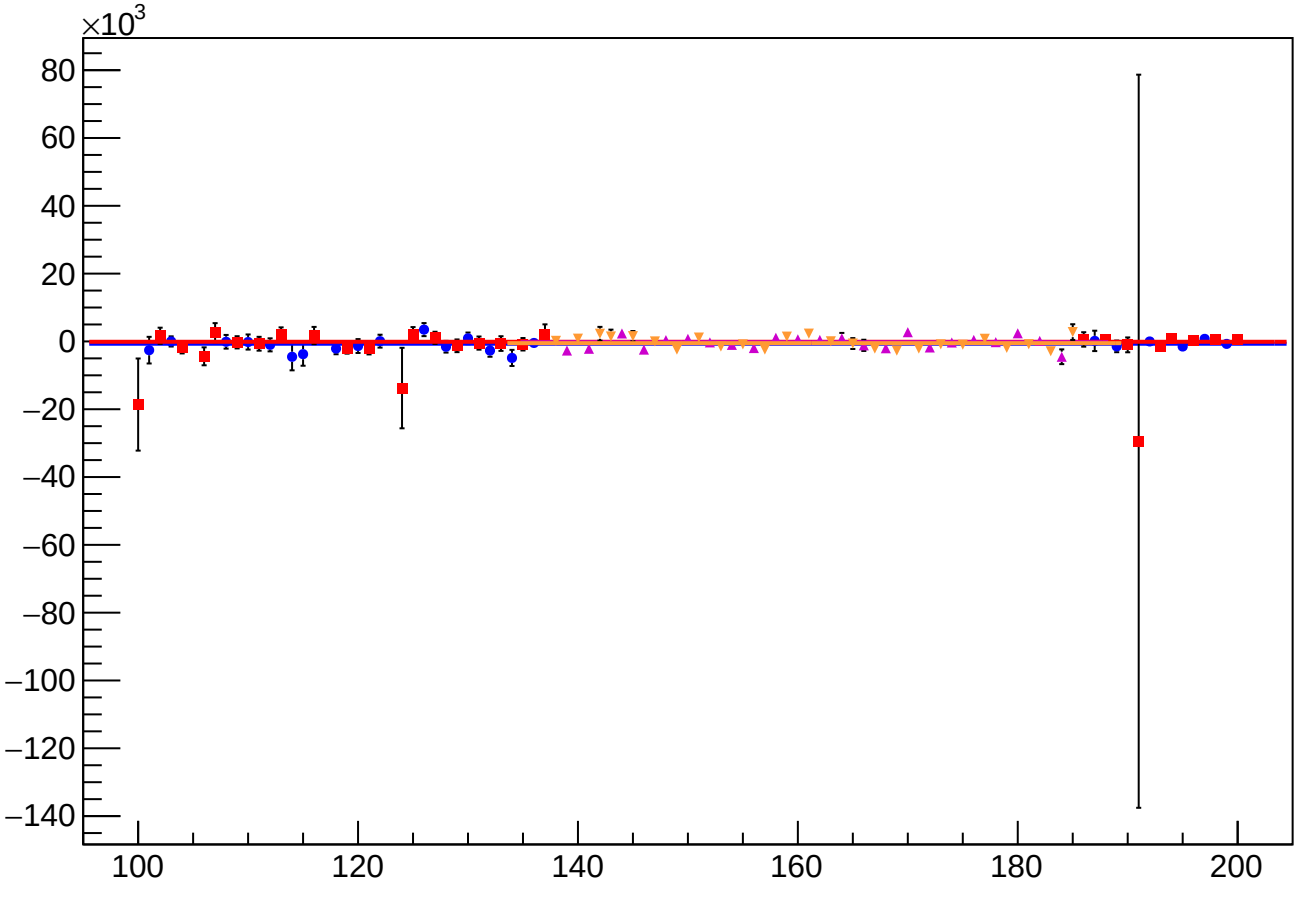
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 448.682+/-0.081 χ^2/NDF: 18514959.2/49

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

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

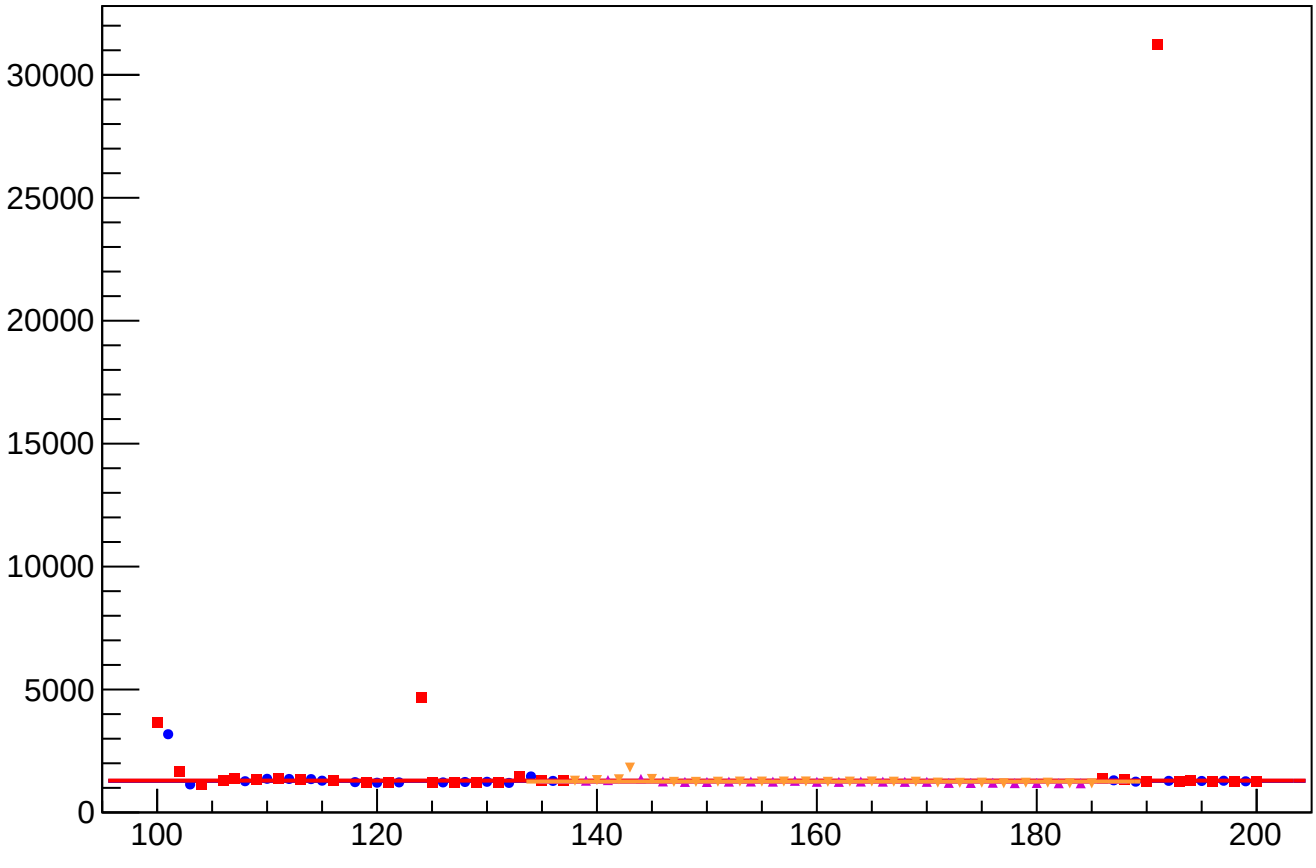
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -373.032+/-261.479 χ^2/NDF: 35.2/49

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -354.152+/-223.528 χ^2/NDF:50.3/52

All: -377.988+/-160.848 χ^2/NDF: 98.6/97



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

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

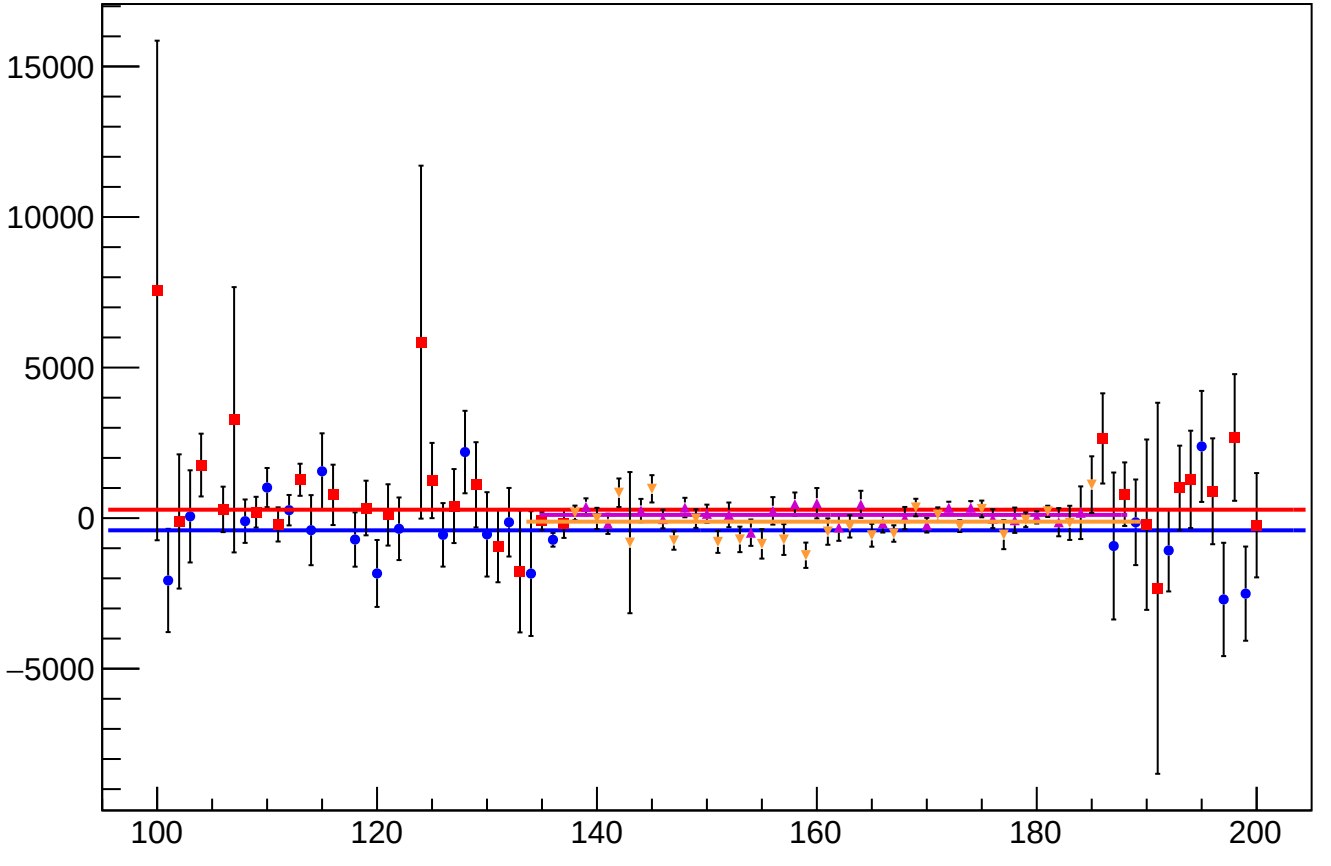
Right: 1289.645+/-0.185 χ^2/NDF: 1010667.6/49

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1271.044+/-0.158 χ^2/NDF:708548.1/52

All: 1265.634+/-0.114 χ^2/NDF: 1281787.7/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

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

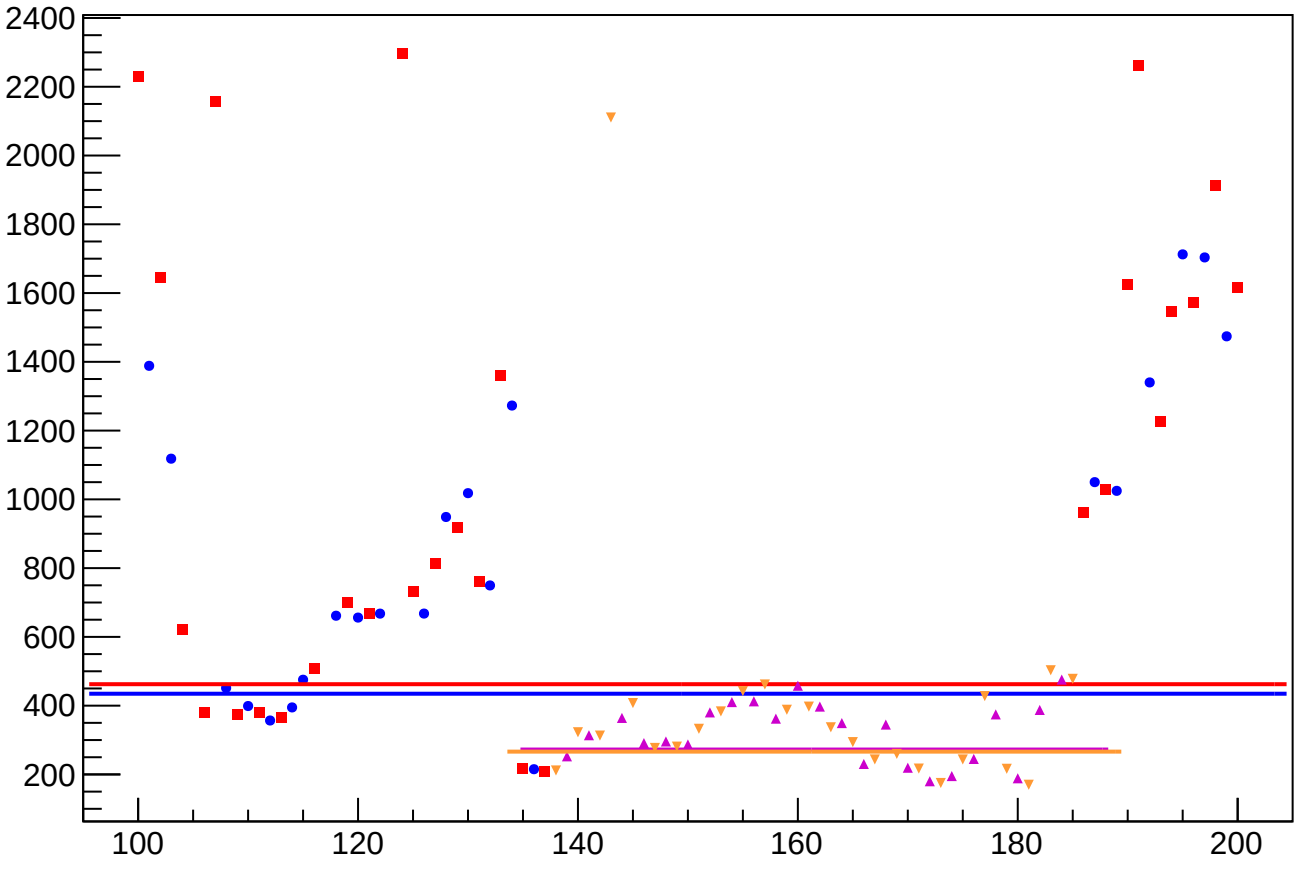
Right: -59.939+/-114.972 χ^2/NDF: 52.1/49

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.854+/-60.371 χ^2/NDF:73.0/52

All: -15.411+/-43.248 χ^2/NDF: 120.2/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

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

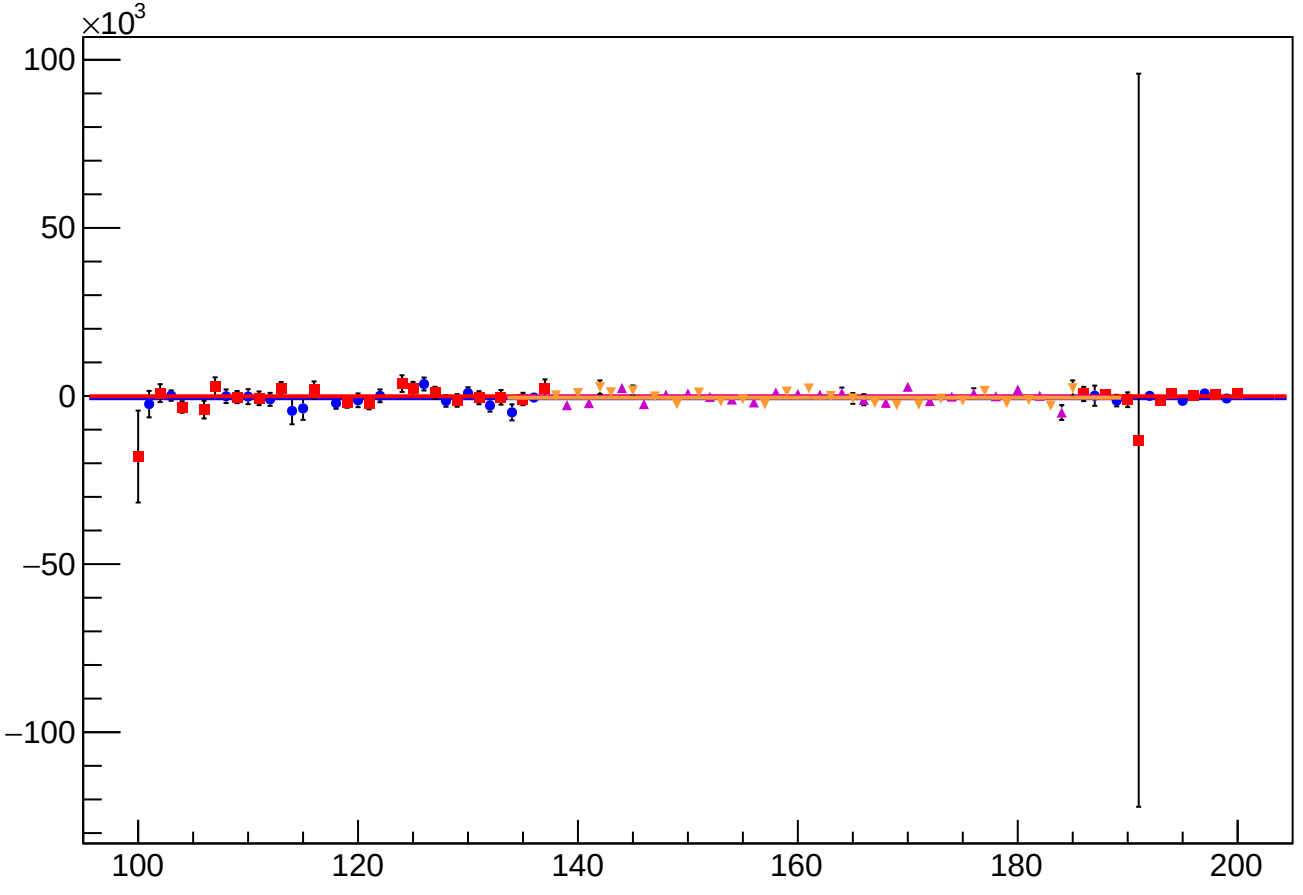
Right: 448.682+/-0.081 χ^2/NDF: 18514959.2/49

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 293.578+/-0.043 χ^2/NDF:17101428.2/52

All: 294.650+/-0.031 χ^2/NDF: 30222563.0/97

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

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

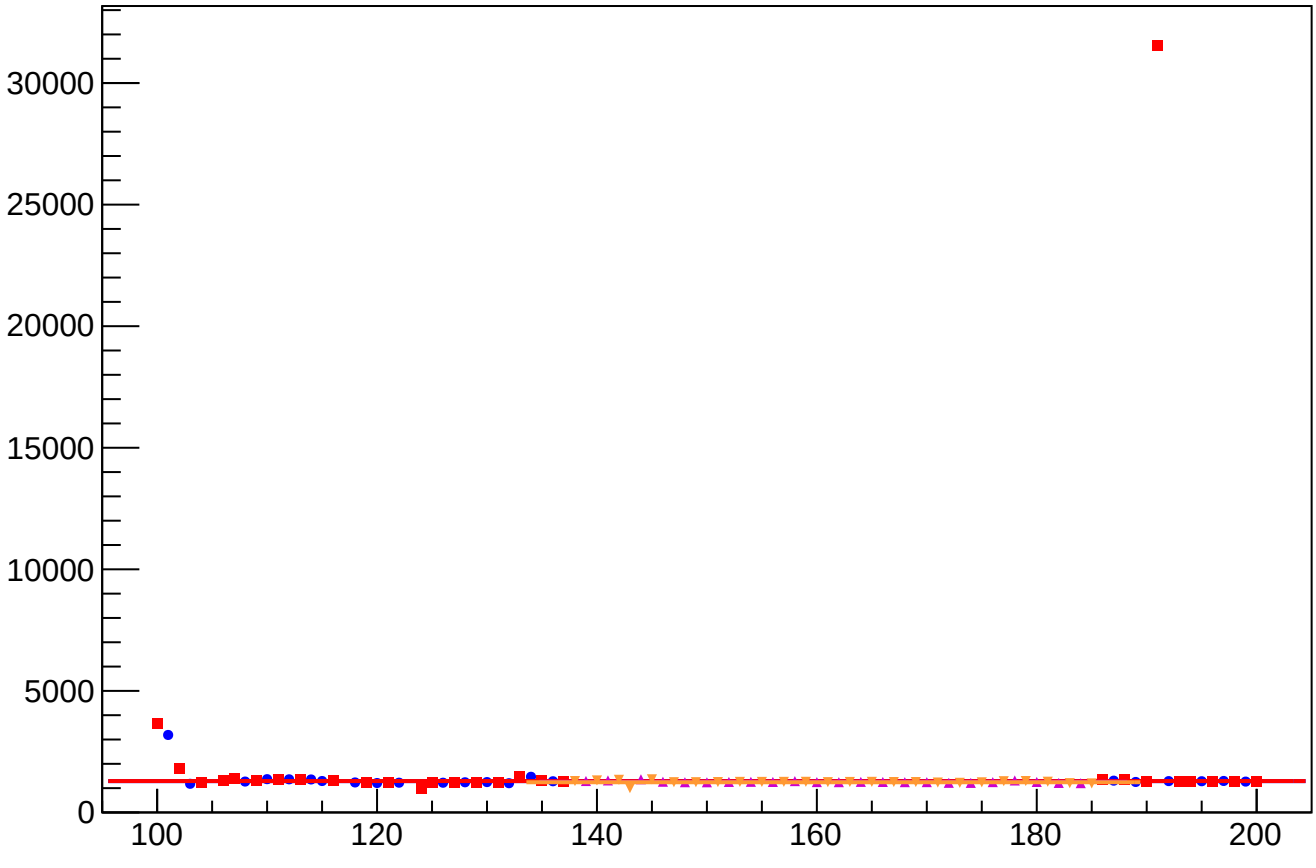
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -343.368+/-261.473 χ^2/NDF: 37.1/49

In: -393.302+/-233.546 χ^2/NDF:46.9/44

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -361.654+/-160.792 χ^2/NDF: 102.4/97



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

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

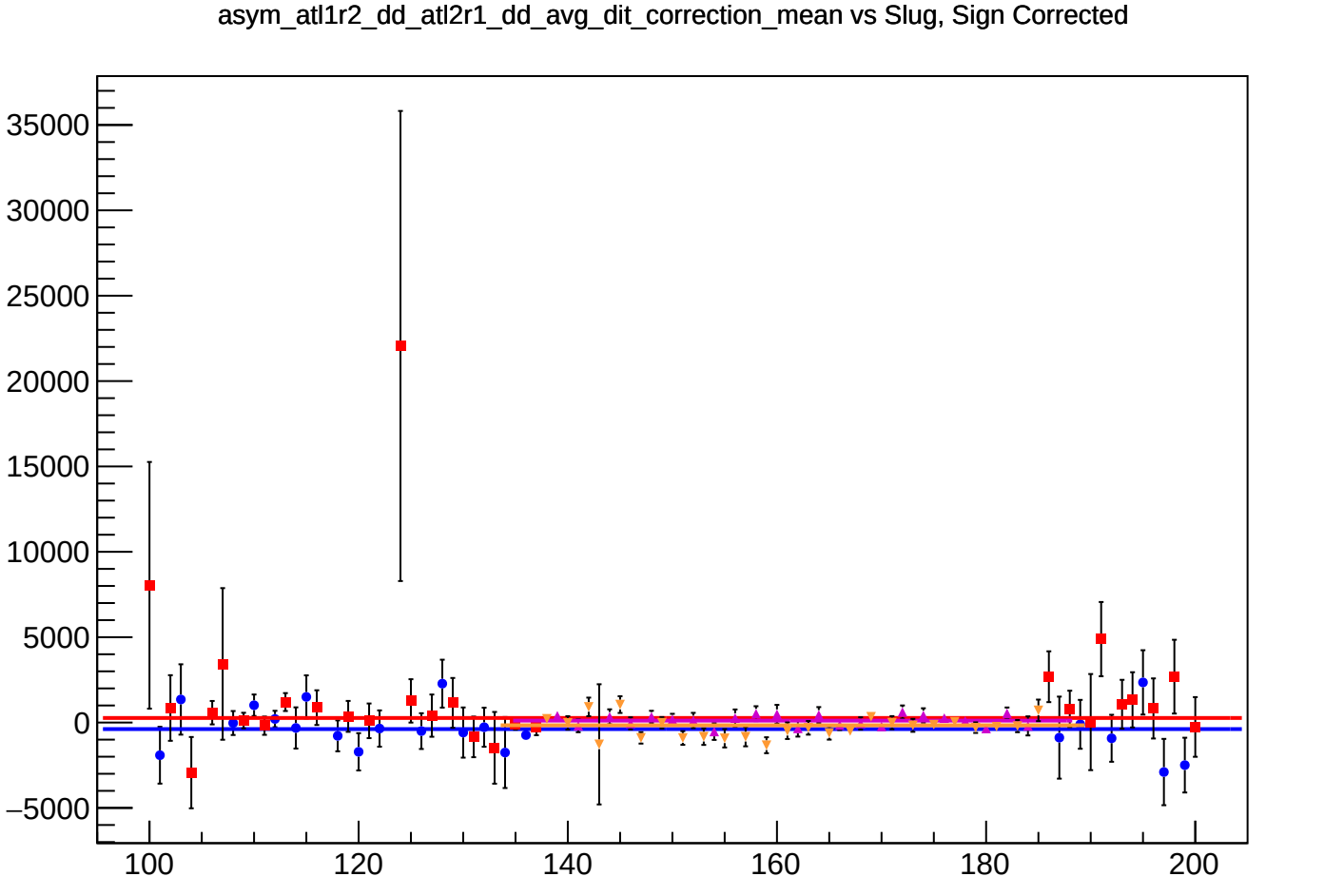
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1289.846+/-0.185 χ^2/NDF: 883446.7/49

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1261.373+/-0.157 χ^2/NDF:525576.3/52

All: 1265.667+/-0.114 χ^2/NDF: 1072603.5/97



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

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

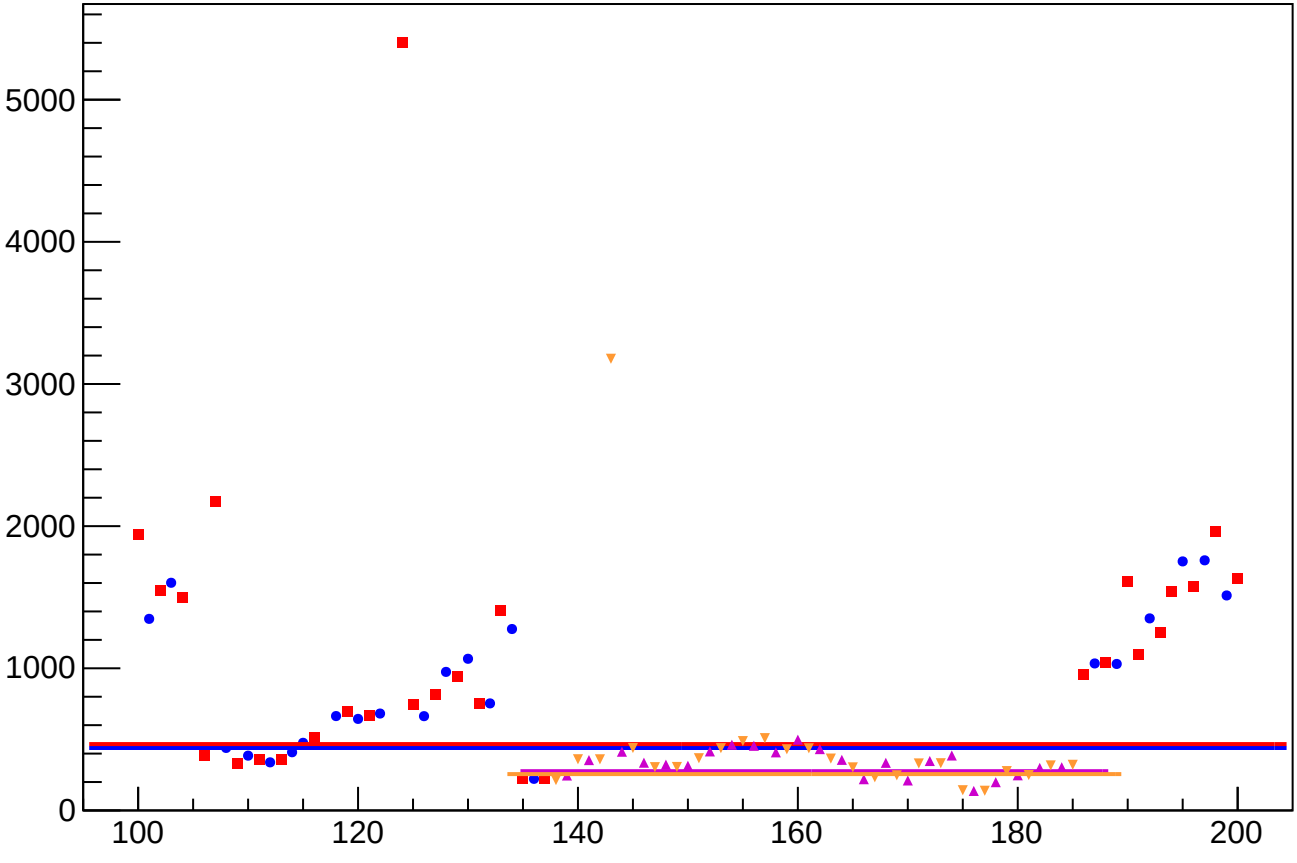
Right: -51.171+/-115.559 χ^2/NDF: 58.0/49

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.736+/-59.626 χ^2/NDF:75.7/52

All: -35.843+/-43.477 χ^2/NDF: 128.5/97

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

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

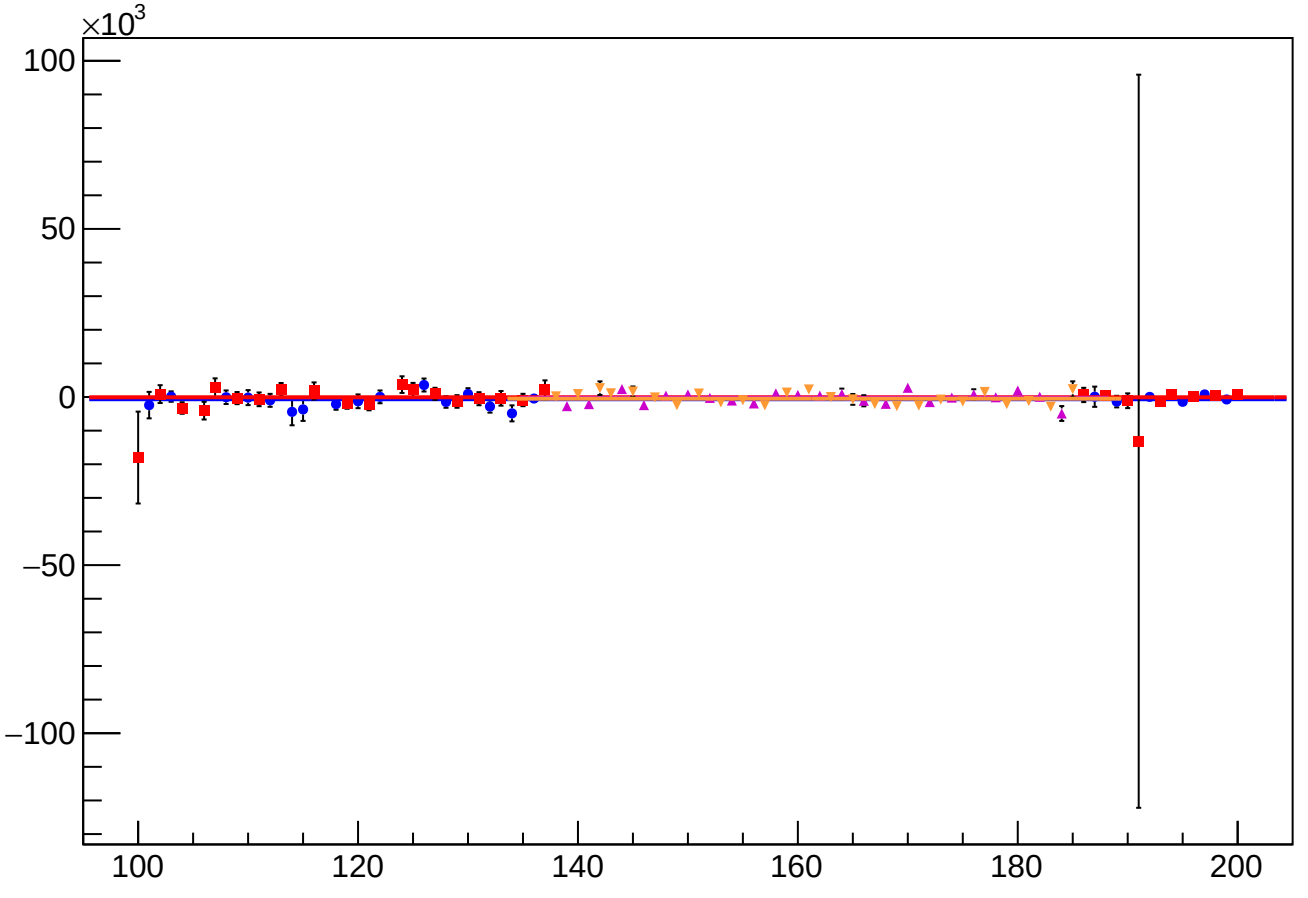
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 453.446+/-0.082 χ^2/NDF: 19166693.8/49

In: 300.488+/-0.045 χ^2/NDF:14375623.7/44

Out: 284.408+/-0.042 χ^2/NDF:19770330.2/52

All: 291.938+/-0.031 χ^2/NDF: 34214073.6/97



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

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

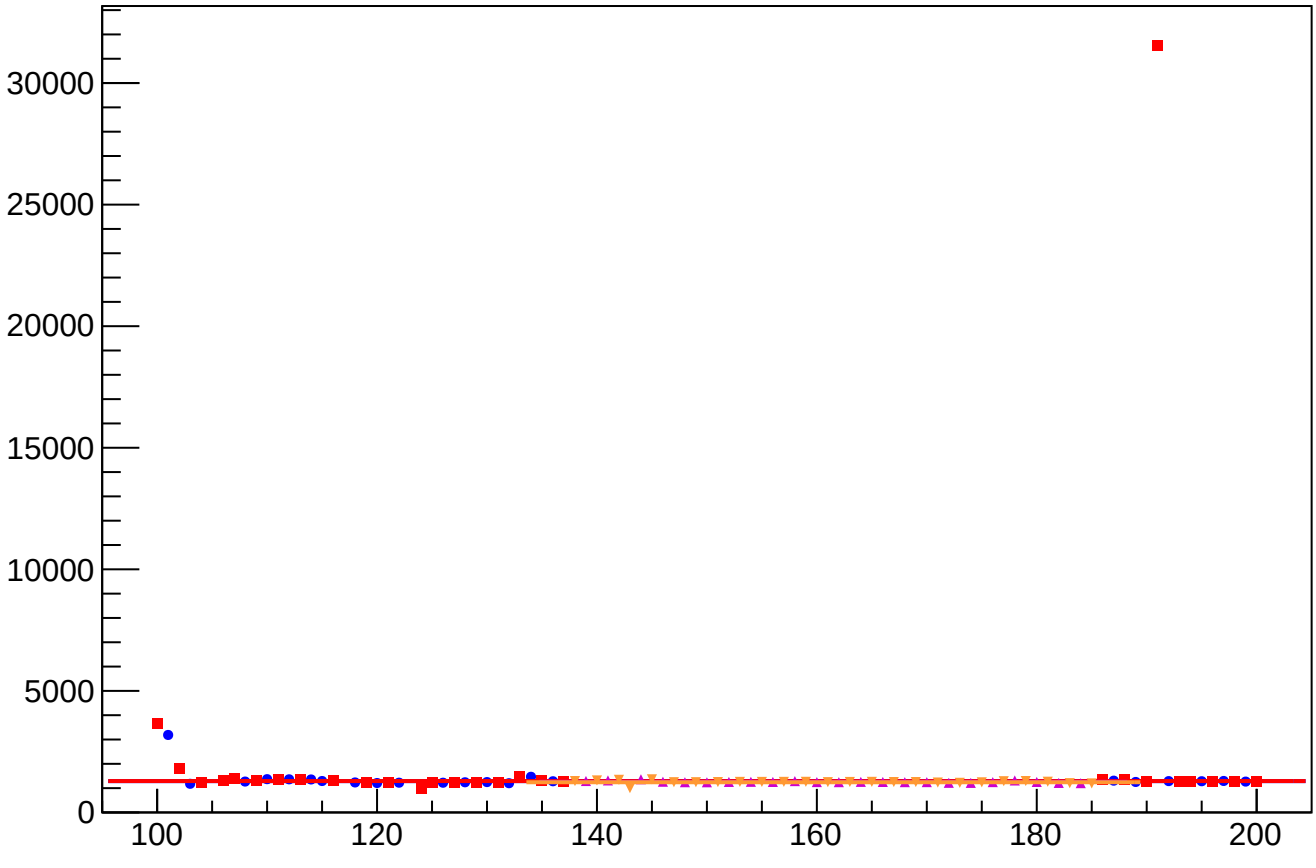
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -343.369+/-261.473 χ^2/NDF: 37.1/49

In: -393.303+/-233.546 χ^2/NDF:46.9/44

Out: -333.134+/-221.703 χ^2/NDF:55.5/52

All: -361.654+/-160.792 χ^2/NDF: 102.4/97



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

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

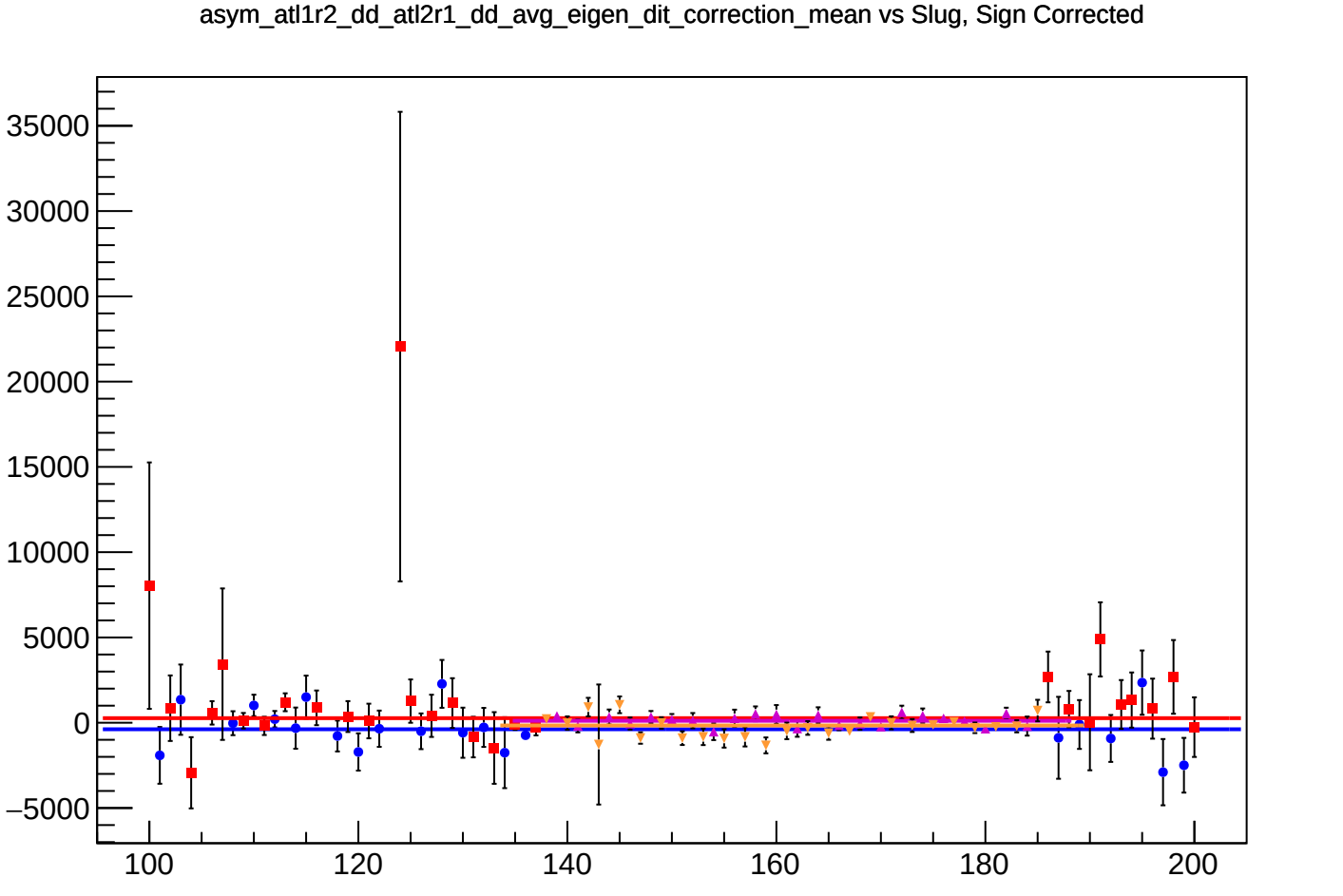
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1289.846+/-0.185 χ^2/NDF: 883446.9/49

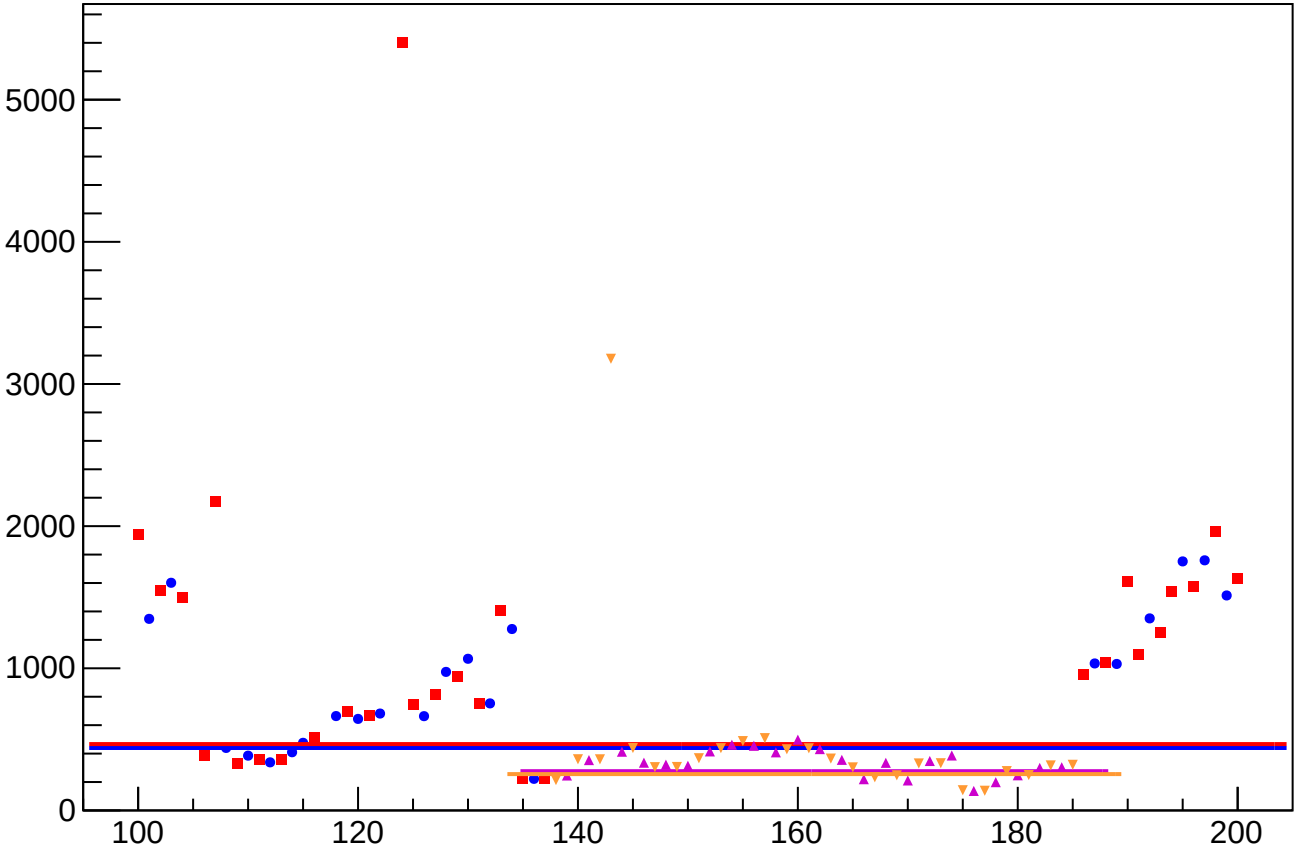
In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1261.373+/-0.157 χ^2/NDF:525575.7/52

All: 1265.667+/-0.114 χ^2/NDF: 1072602.9/97


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -382.743+/-164.984 χ²/NDF: 24.2/21
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: 268.191+/-161.915 χ²/NDF: 25.9/27
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -33.318+/-46.925 χ²/NDF: 70.5/47
Right: -51.166+/-115.561 χ²/NDF: 58.0/49
In: 40.101+/-63.532 χ²/NDF:50.1/44
Out: -102.739+/-59.626 χ²/NDF:75.7/52
All: -35.844+/-43.477 χ²/NDF: 128.5/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

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

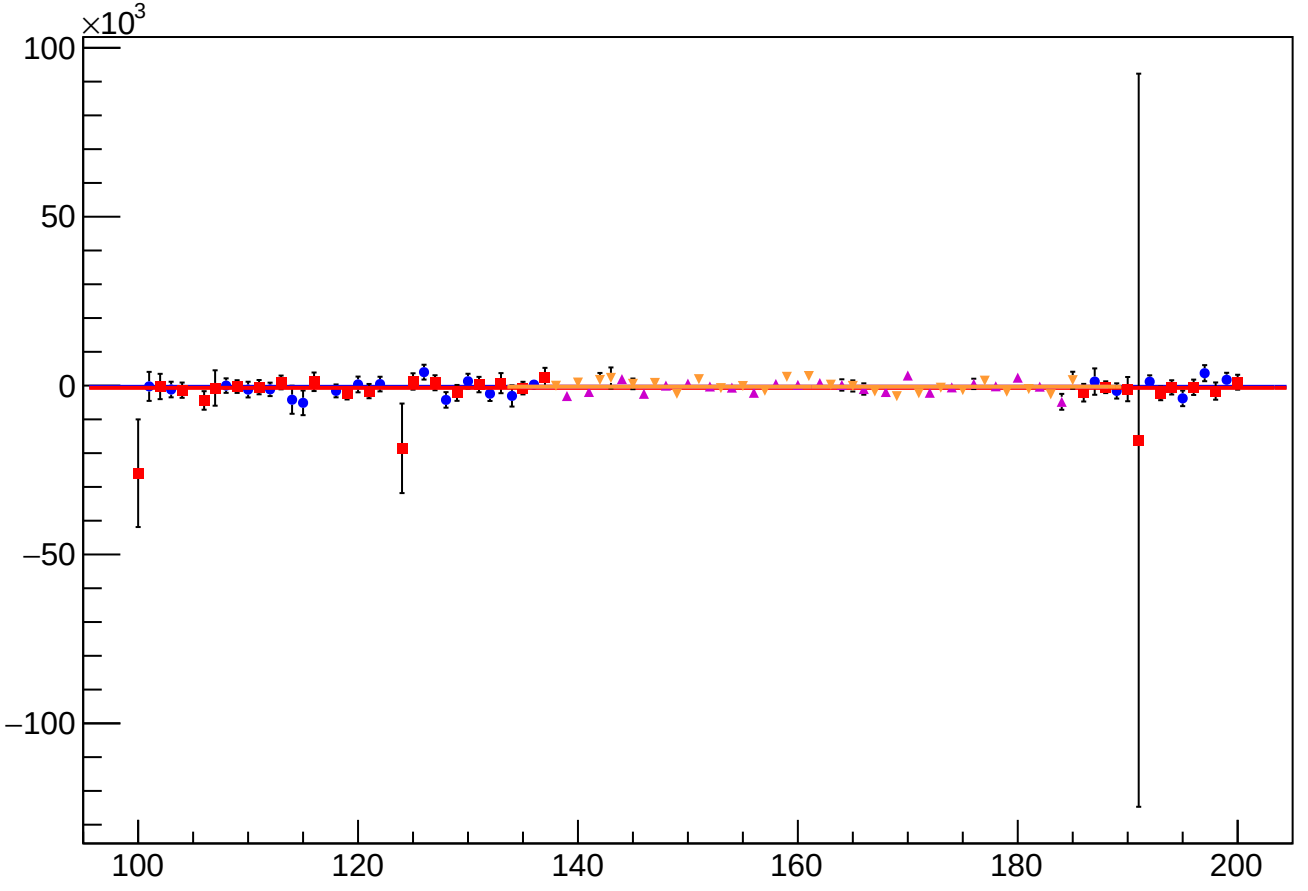
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 453.456+/-0.082 χ^2/NDF: 19166181.5/49

In: 300.489+/-0.045 χ^2/NDF:14375489.6/44

Out: 284.410+/-0.042 χ^2/NDF:19770146.0/52

All: 291.940+/-0.031 χ^2/NDF: 34213750.9/97



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

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

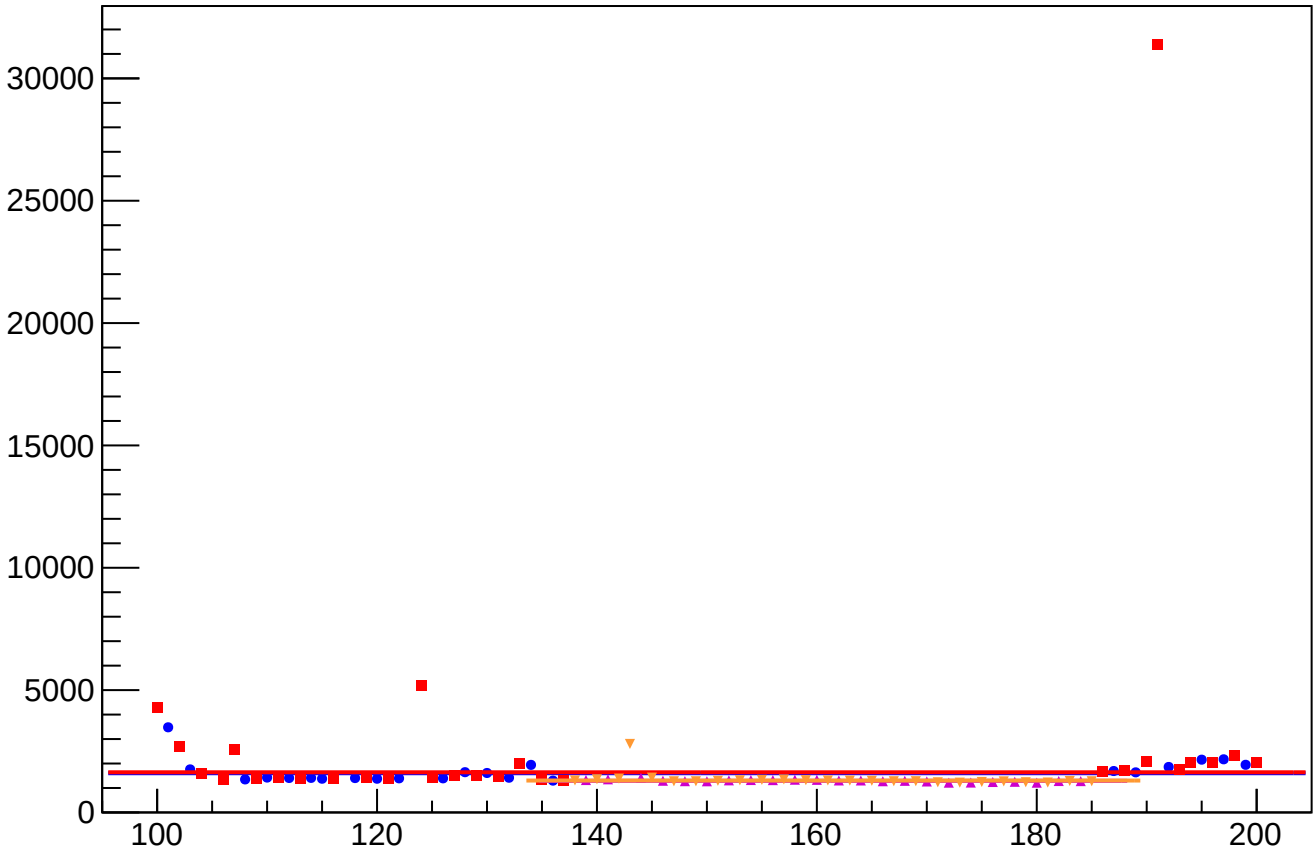
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -524.584+/-333.917 χ^2/NDF: 33.2/49

In: -359.376+/-256.055 χ^2/NDF:49.6/44

Out: -422.372+/-250.563 χ^2/NDF:45.0/52

All: -391.556+/-179.085 χ^2/NDF: 94.6/97



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

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

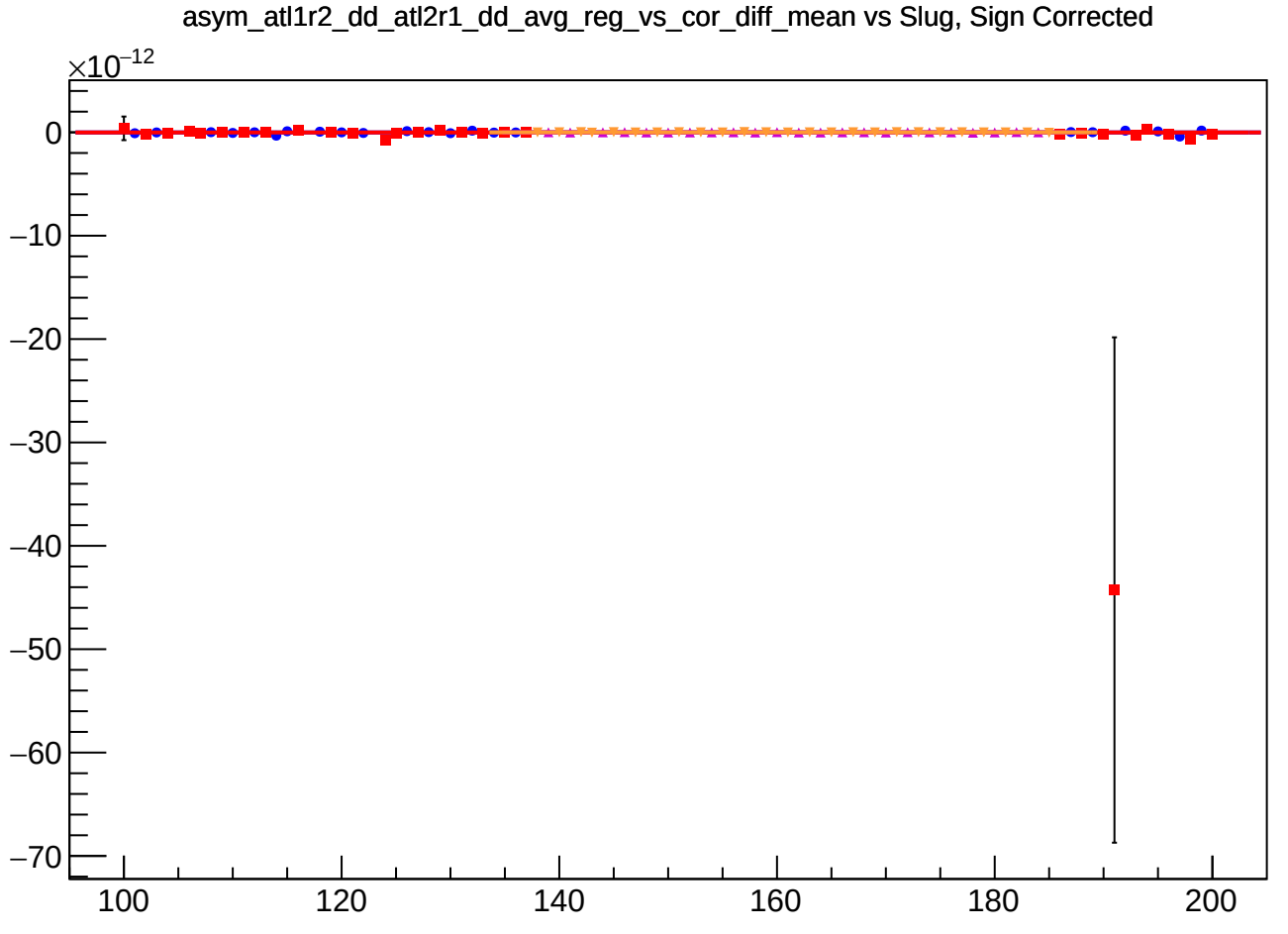
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1623.420+/-0.236 χ^2/NDF: 2299697.6/49

In: 1379.422+/-0.181 χ^2/NDF:1639062.9/44

Out: 1403.562+/-0.177 χ^2/NDF:2572499.3/52

All: 1391.754+/-0.127 χ^2/NDF: 4220642.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

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

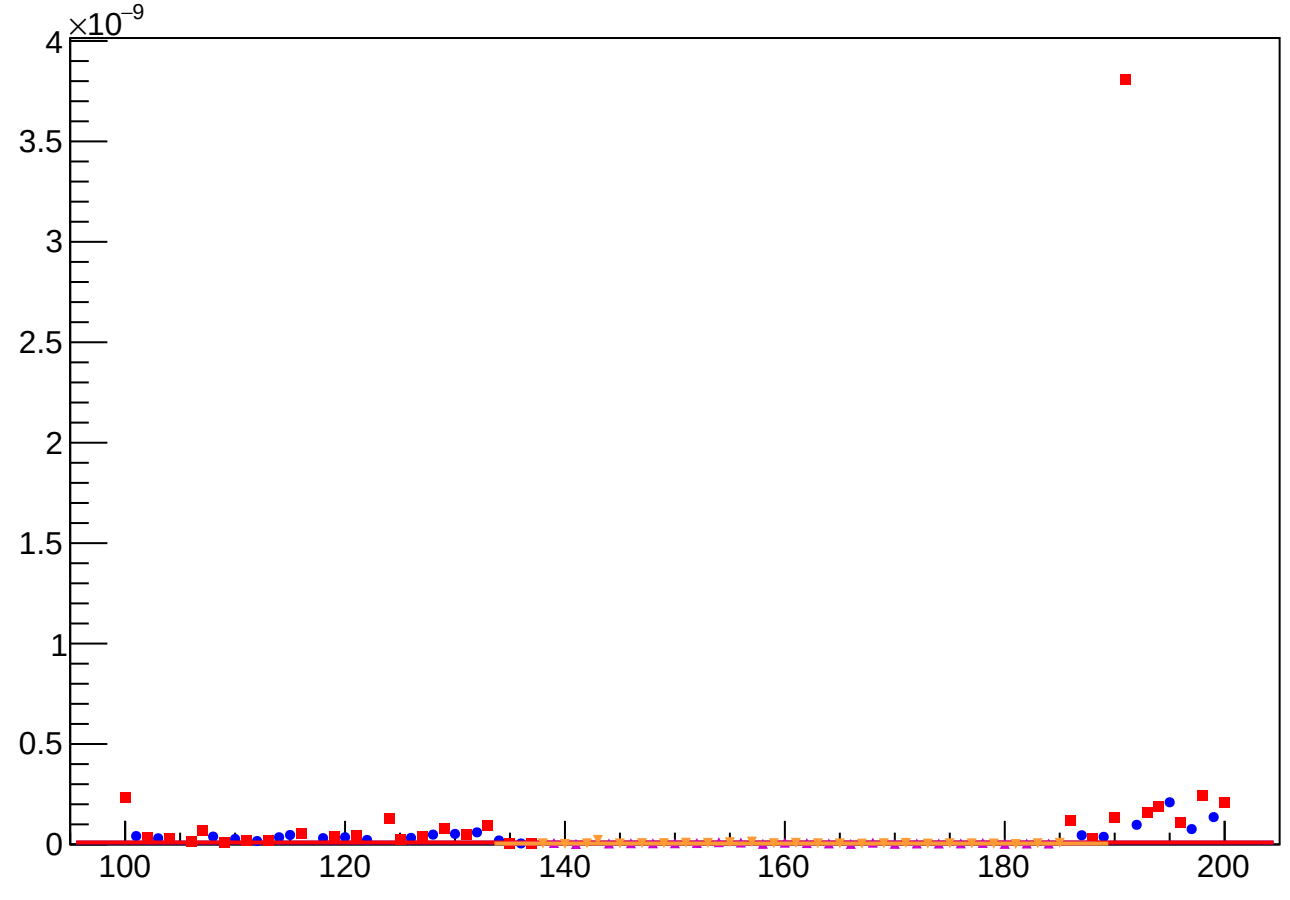
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.6/49

In: -0.000+/-0.000 χ^2/NDF:47.5/44

Out: -0.000+/-0.000 χ^2/NDF:62.9/52

All: -0.000+/-0.000 χ^2/NDF: 110.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

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

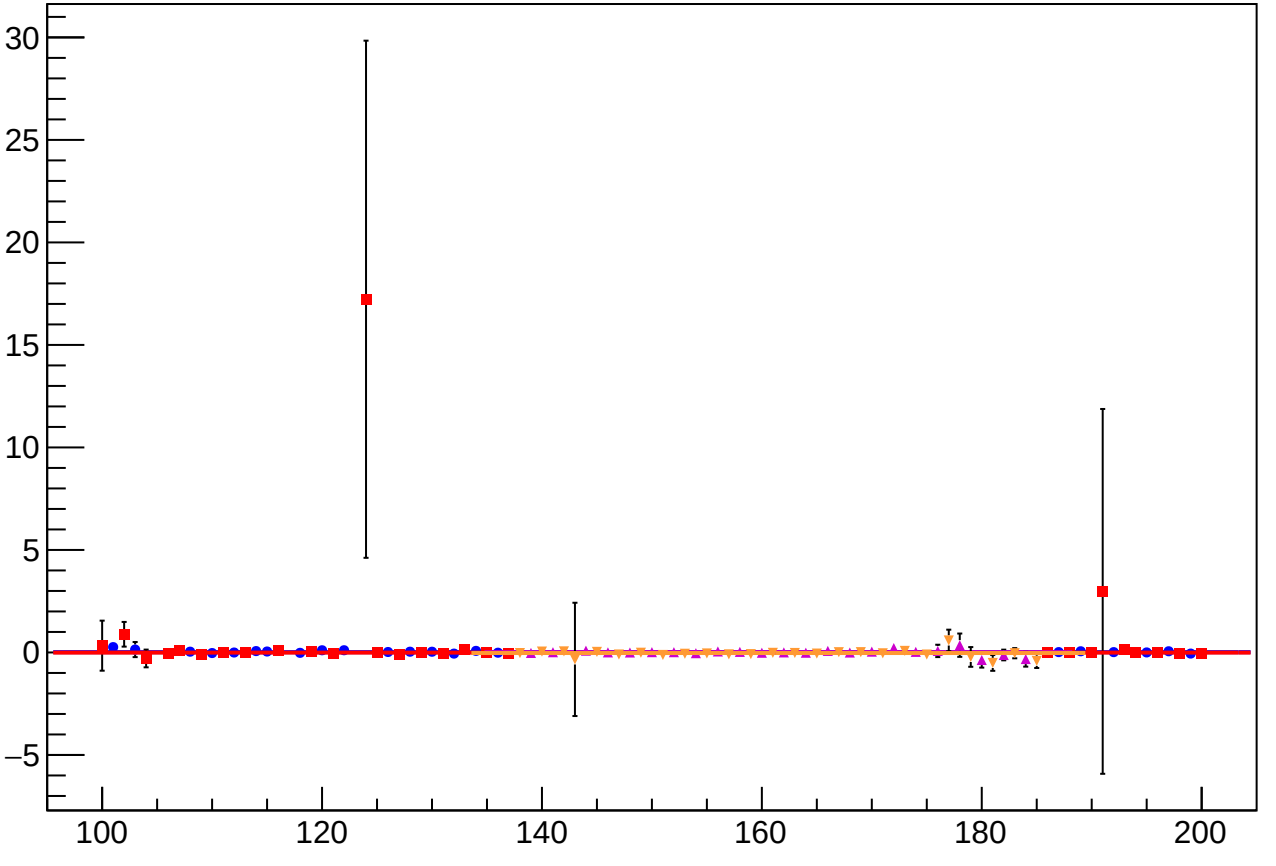
Right: 0.000+/-0.000 χ^2/NDF: 13218451.8/49

In: 0.000+/-0.000 χ^2/NDF:7942413.6/44

Out: 0.000+/-0.000 χ^2/NDF:11332367.6/52

All: 0.000+/-0.000 χ^2/NDF: 19300491.7/97

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

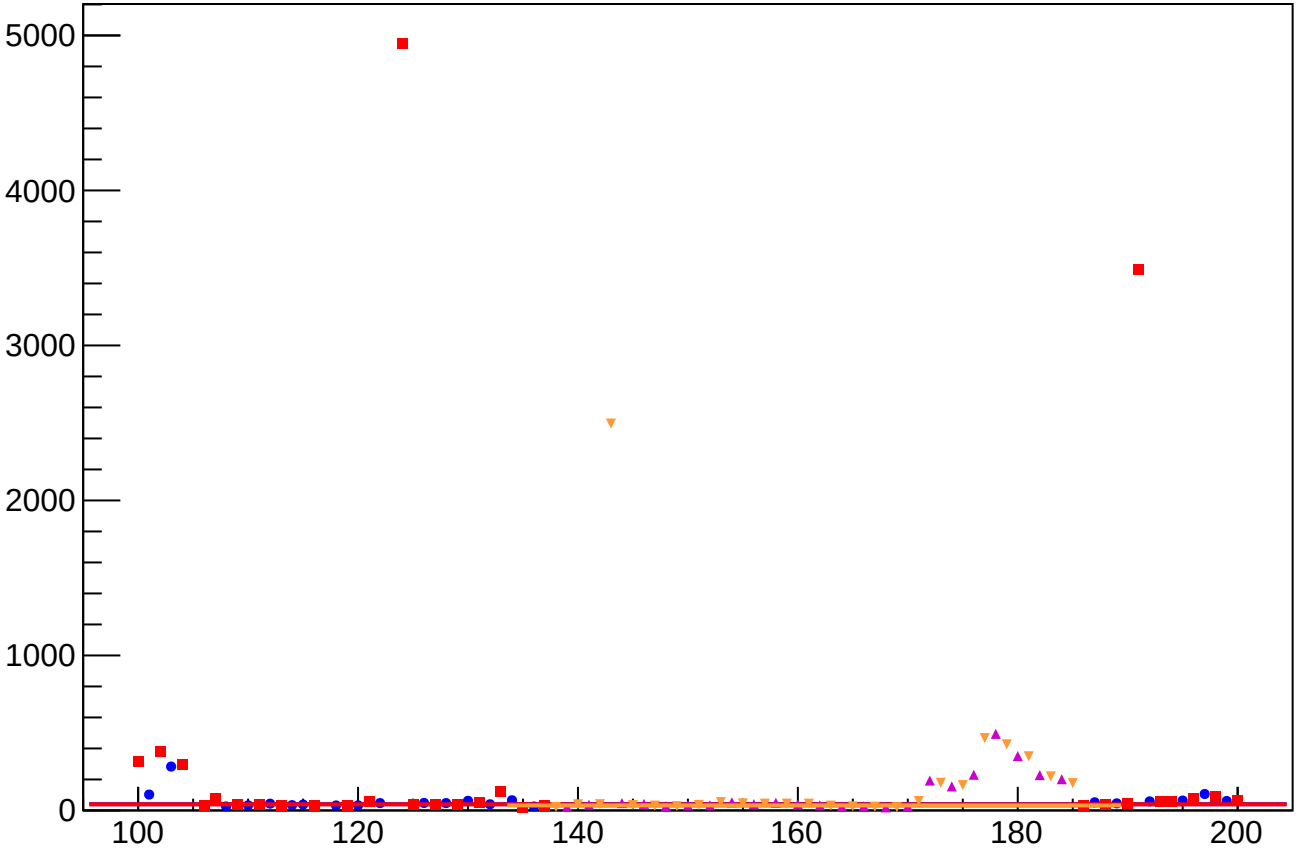
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

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

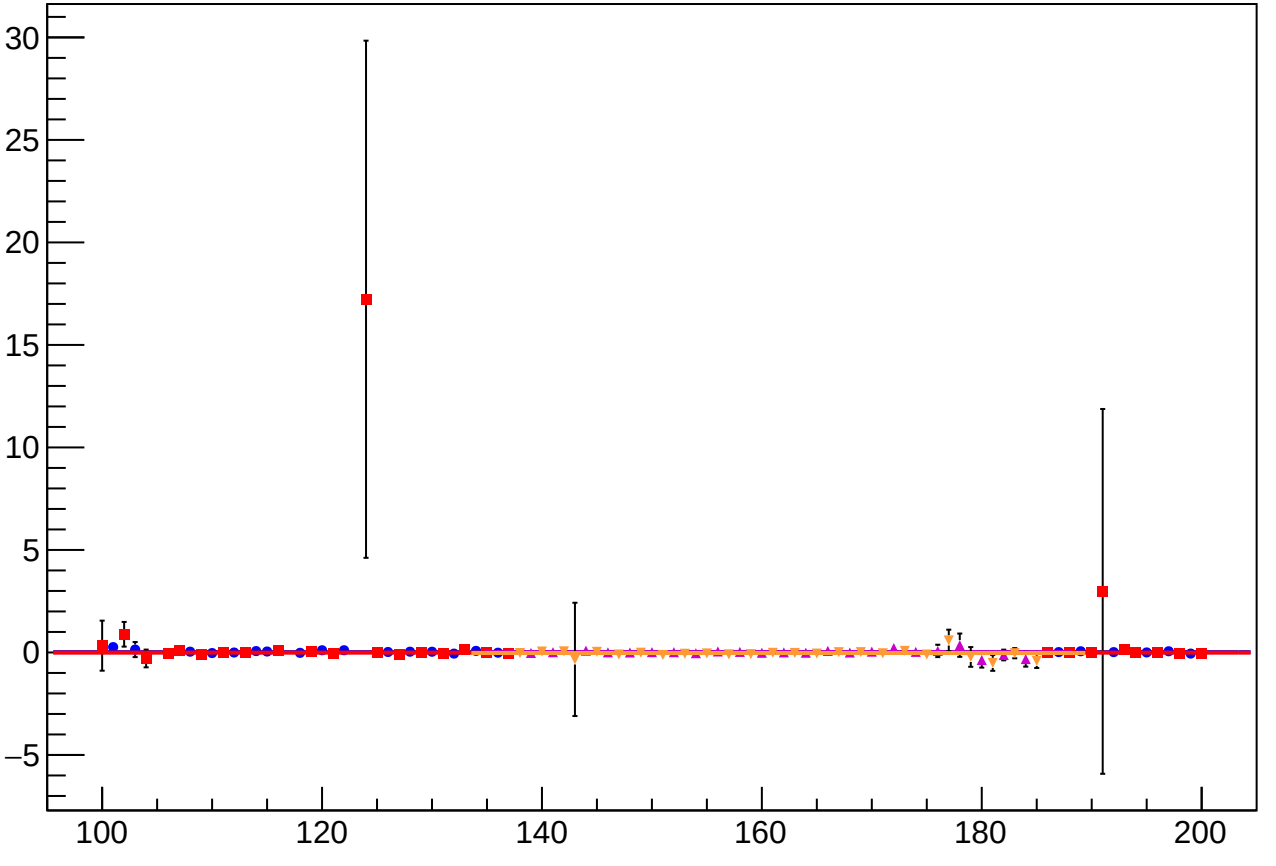
Right: 39.897+/-0.007 χ^2/NDF: 8587275.5/49

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

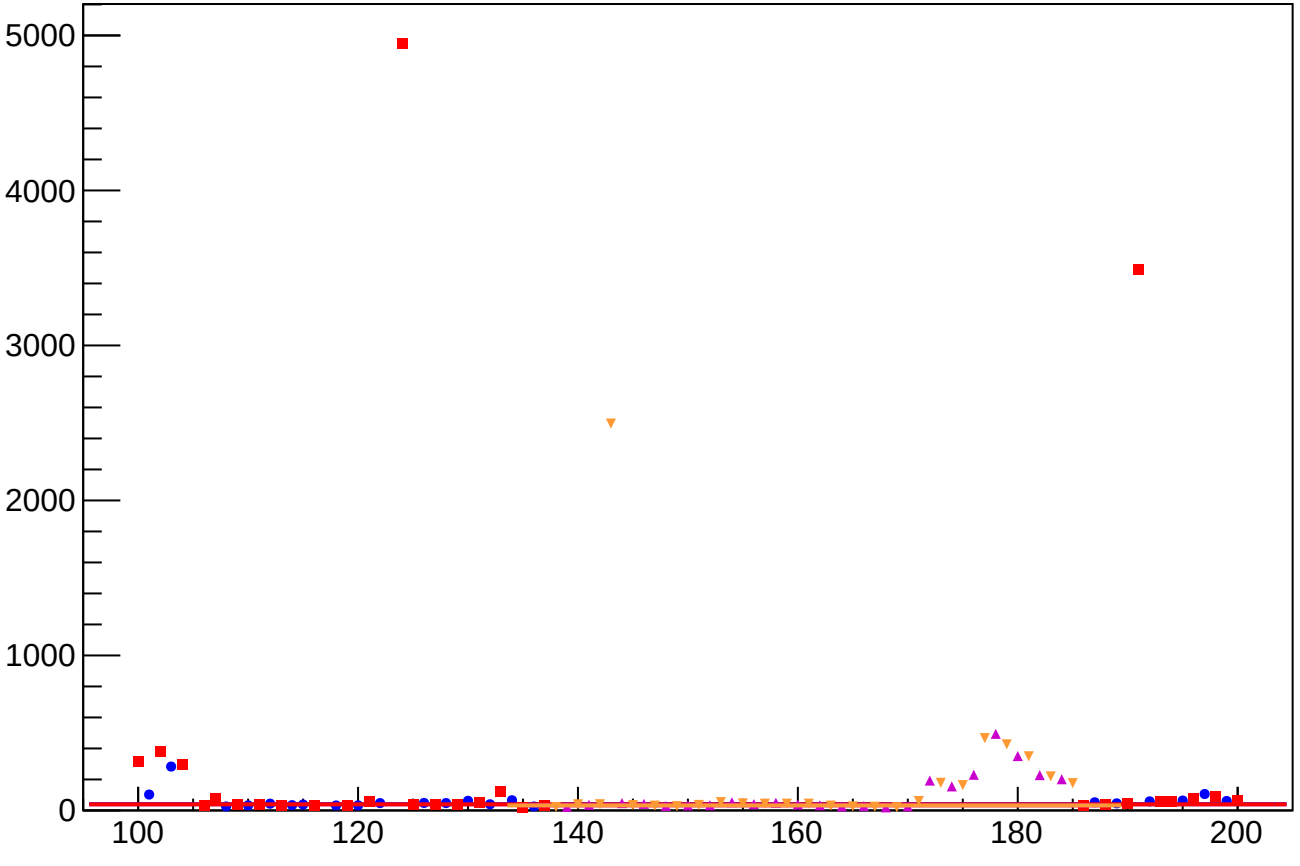
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

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

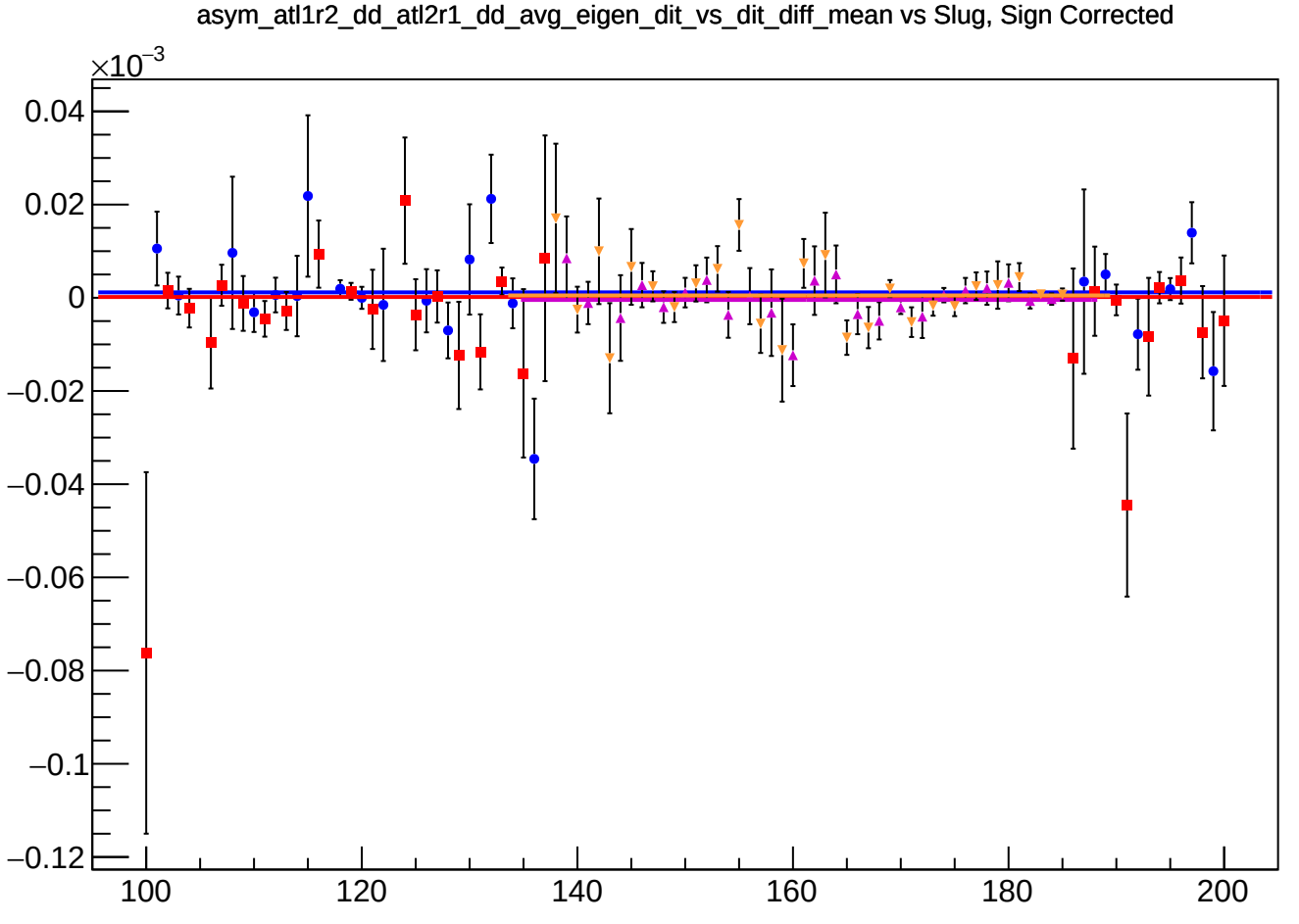
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 39.897+/-0.007 χ^2/NDF: 8587275.5/49

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 35.002+/-0.005 χ^2/NDF:16196248.5/52

All: 35.088+/-0.004 χ^2/NDF: 29206697.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

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

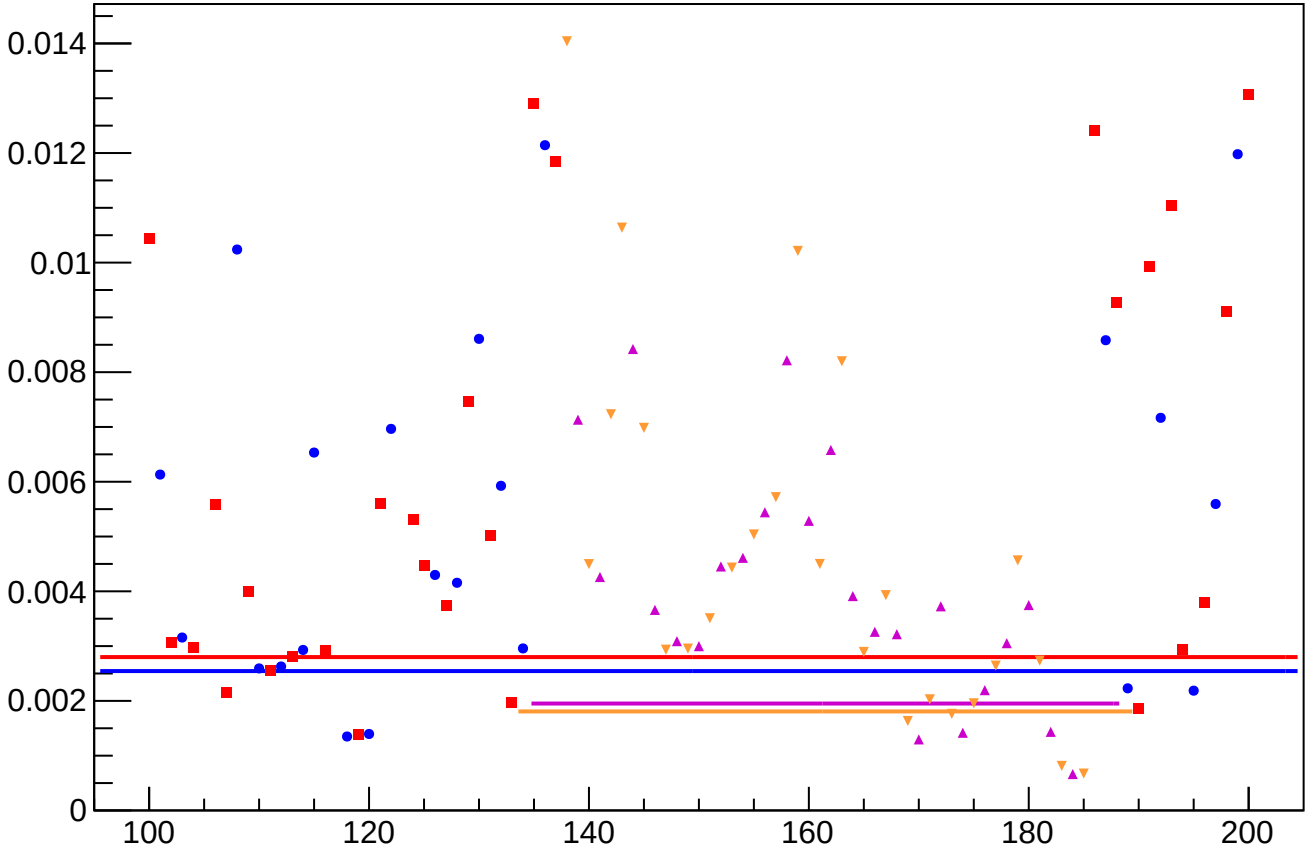
Right: 0.000+/-0.000 χ^2/NDF: 53.5/49

In: -0.000+/-0.000 χ^2/NDF:42.9/44

Out: 0.000+/-0.000 χ^2/NDF:61.6/52

All: 0.000+/-0.000 χ^2/NDF: 104.9/97

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: 7285883.4/21

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

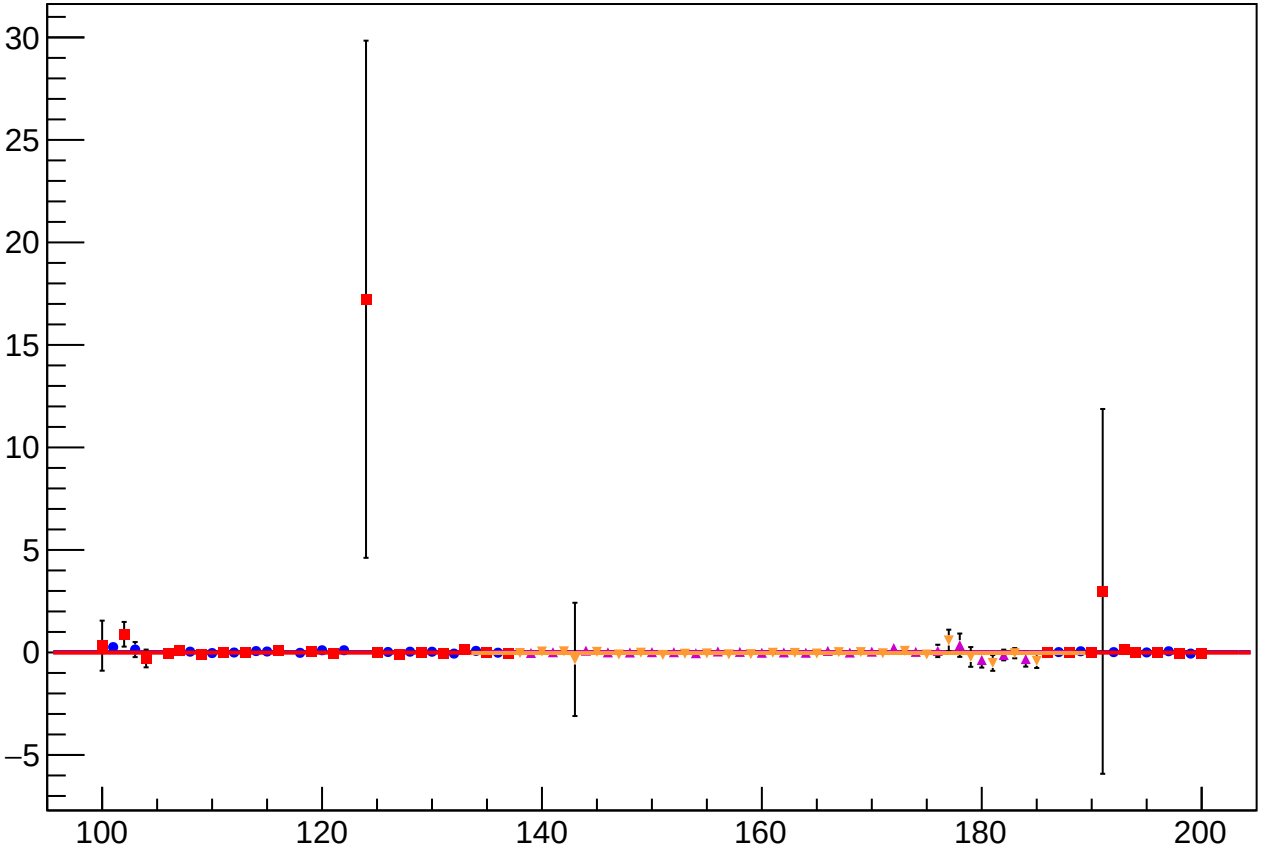
Right: 0.003+/-0.000 χ^2/NDF: 15558605.1/49

In: 0.002+/-0.000 χ^2/NDF:19322712.1/44

Out: 0.002+/-0.000 χ^2/NDF:24817116.0/52

All: 0.002+/-0.000 χ^2/NDF: 44152489.6/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

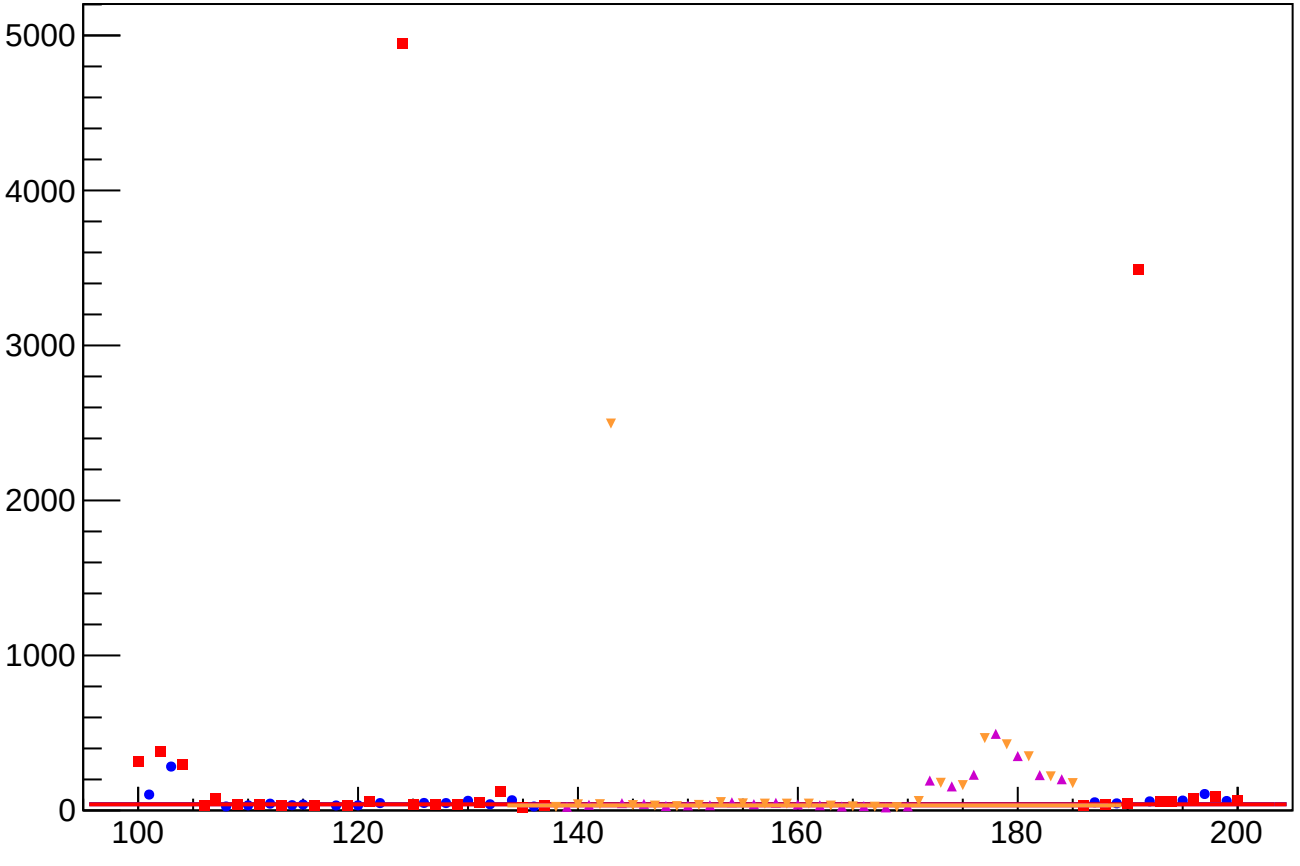
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

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

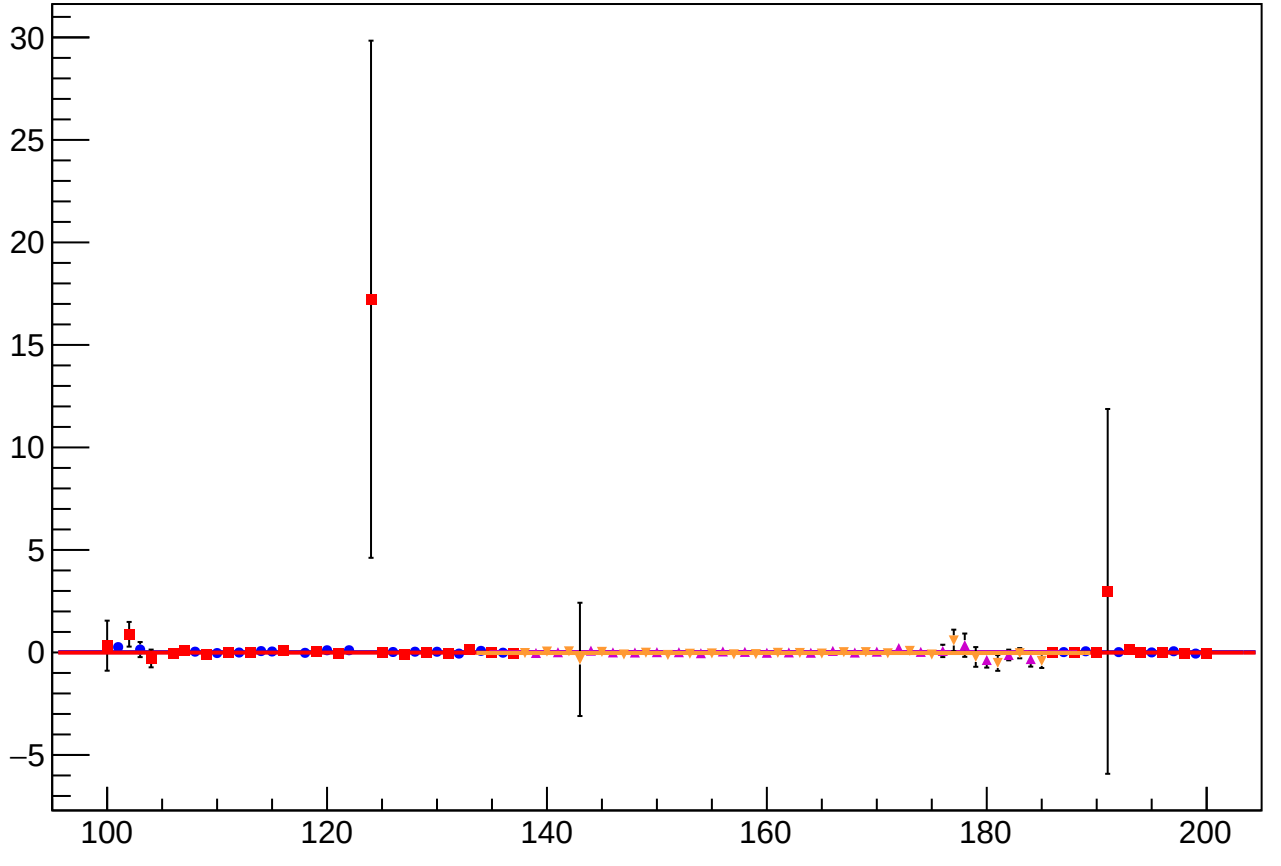
Right: 39.898+/-0.007 χ^2/NDF: 8586648.0/49

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

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

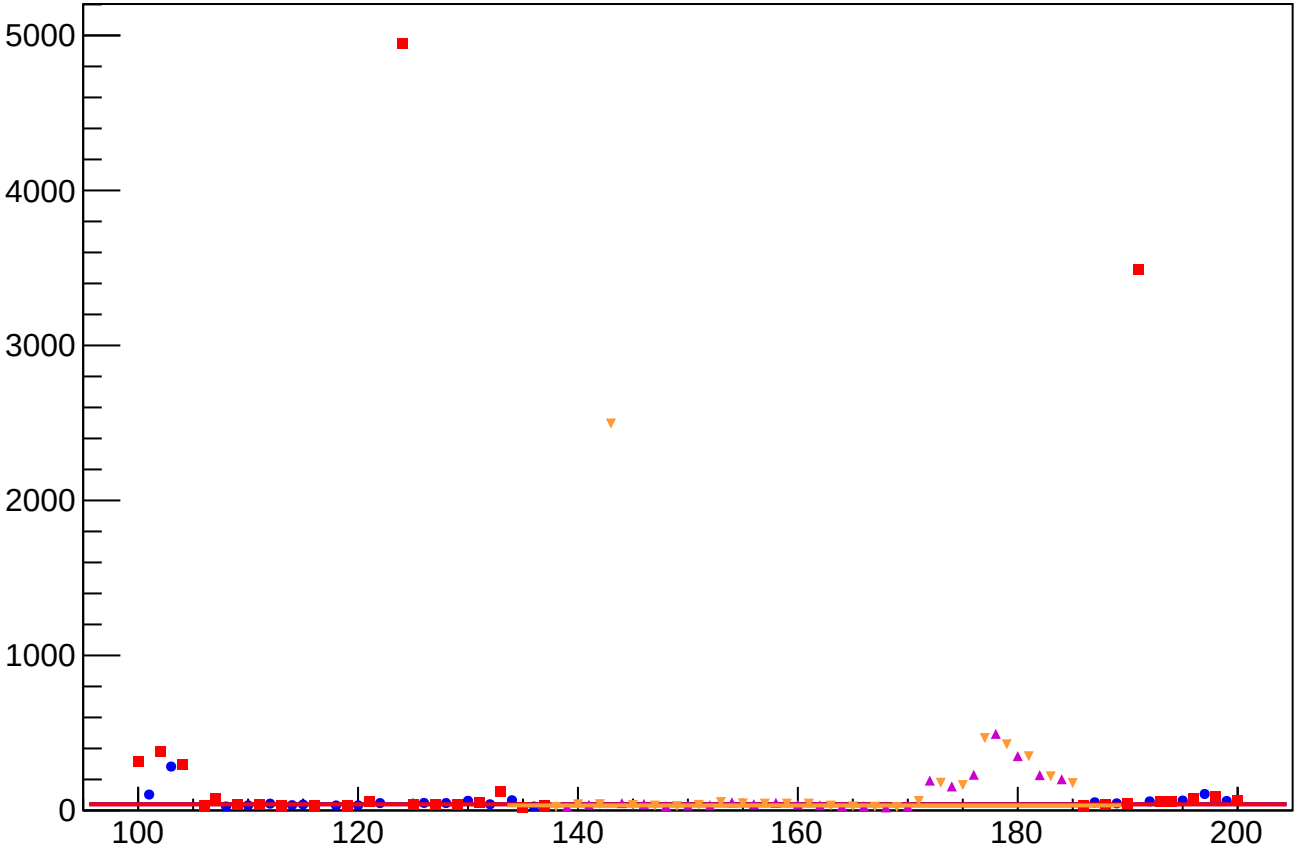
Right: 0.003+/-0.009 χ^2/NDF: 35.2/49

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.021+/-0.008 χ^2/NDF:50.4/52

All: -0.005+/-0.005 χ^2/NDF: 85.8/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

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

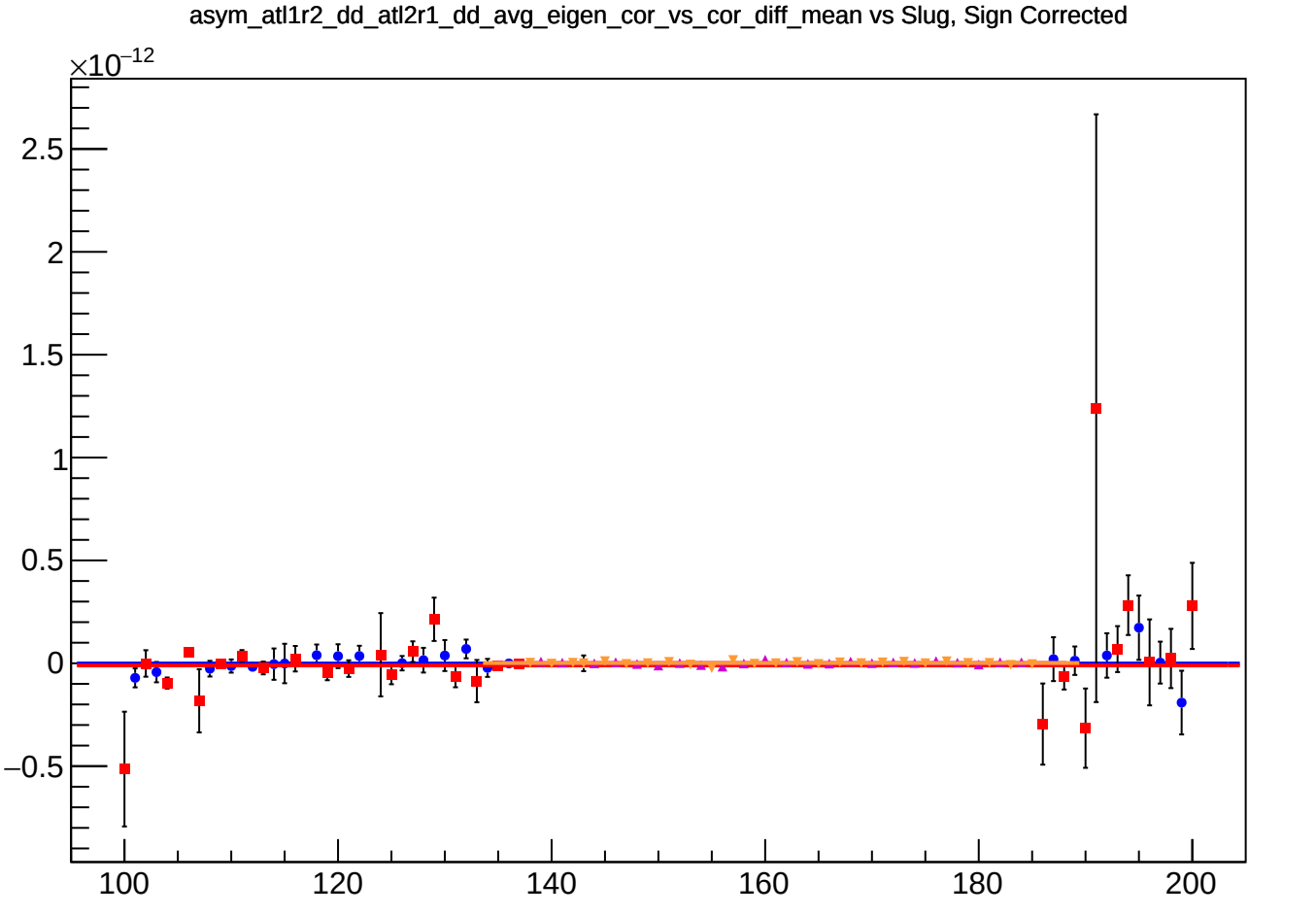
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.898+/-0.007 χ^2/NDF: 8586648.0/49

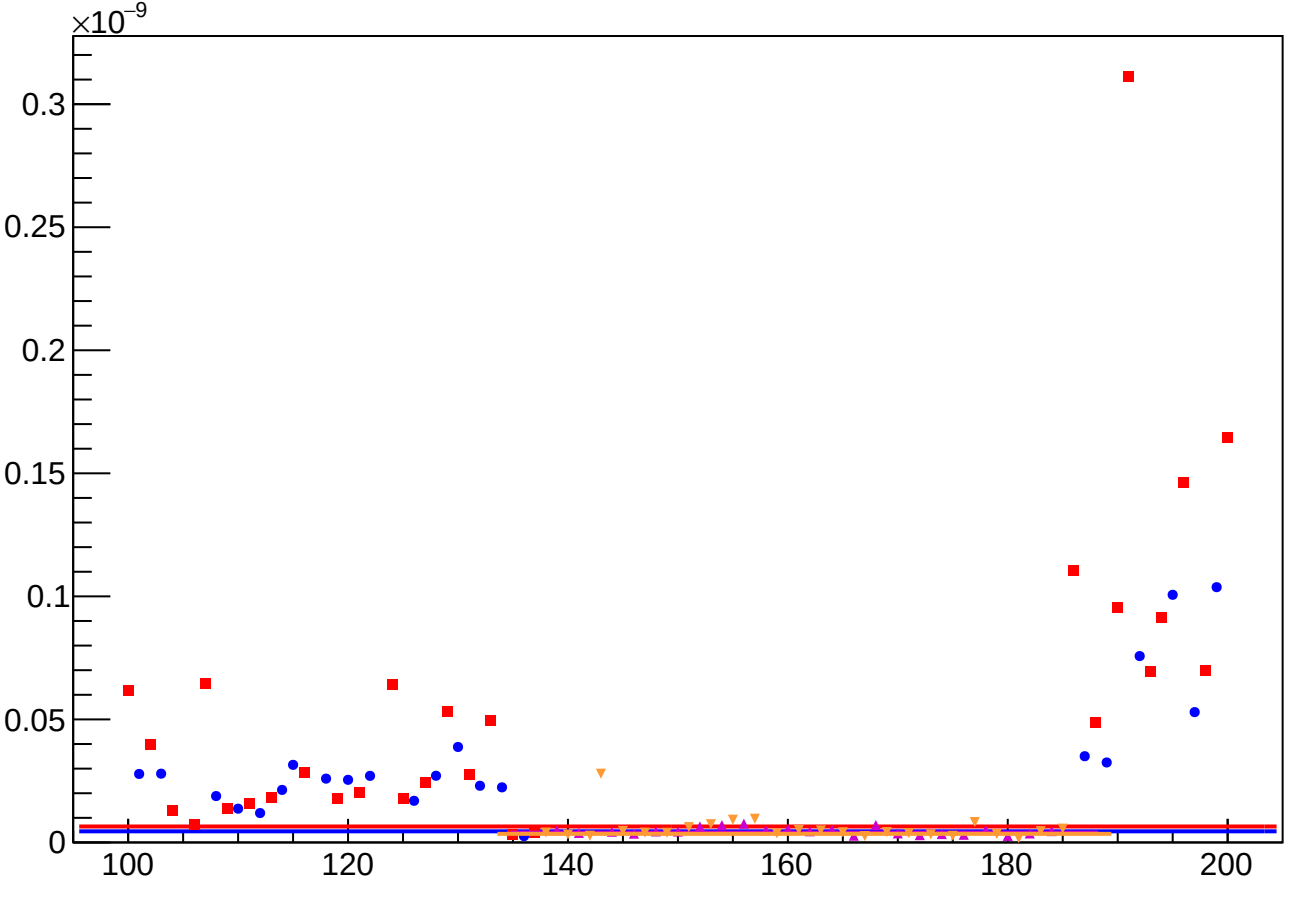
In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 35.002+/-0.005 χ^2/NDF:16196340.6/52

All: 35.088+/-0.004 χ^2/NDF: 29207285.4/97


asym_atl1r2_dd_atl2r1_dd_avg_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: 11.6/21
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: 66.9/49
In: 0.000+/-0.000 χ²/NDF:40.7/44
Out: 0.000+/-0.000 χ²/NDF:78.1/52
All: 0.000+/-0.000 χ²/NDF: 118.8/97

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8488941.9/21

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

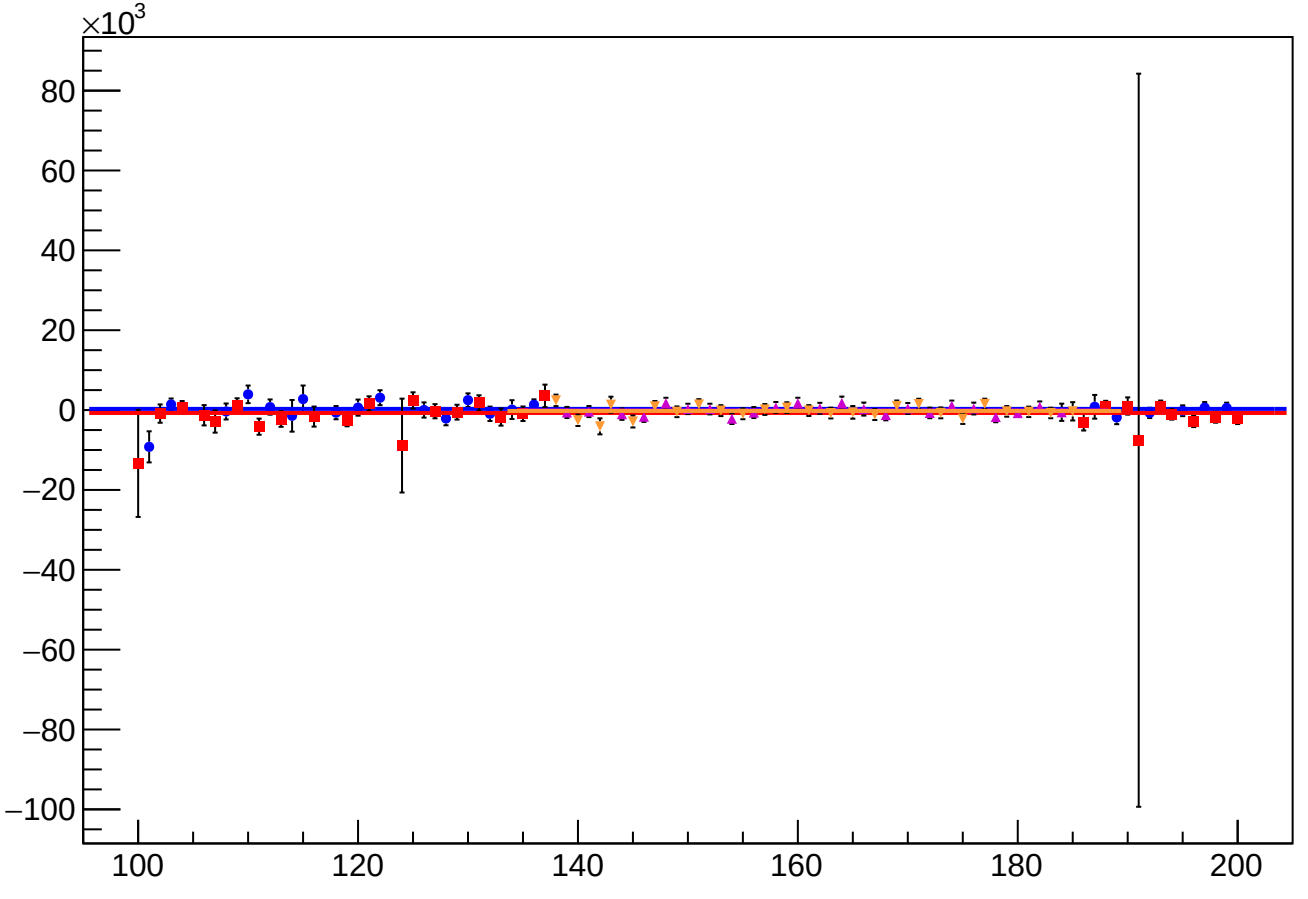
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19326535.0/49

In: 0.000+/-0.000 χ^2/NDF:10609009.6/44

Out: 0.000+/-0.000 χ^2/NDF:16232161.7/52

All: 0.000+/-0.000 χ^2/NDF: 26953555.9/97



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

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

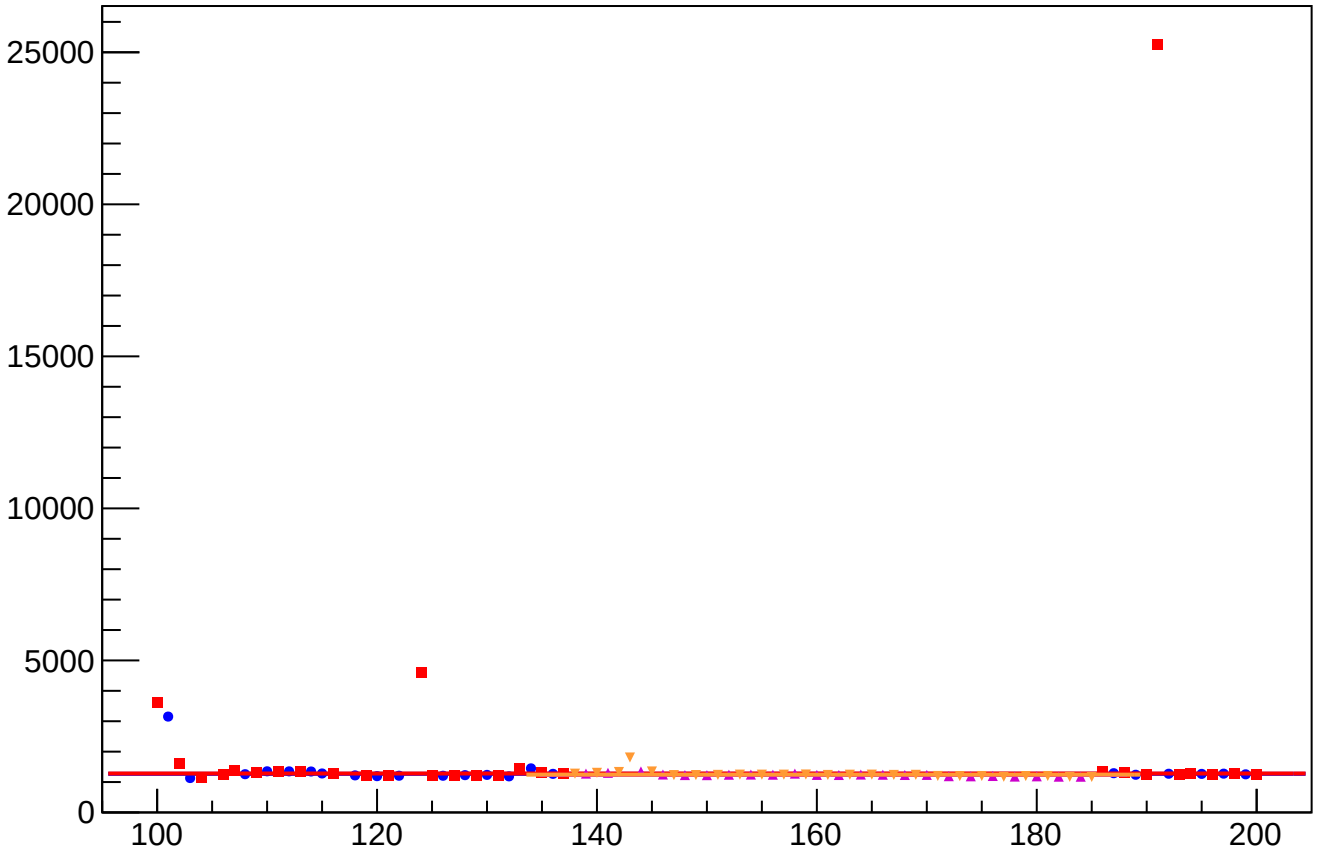
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -244.697+/-258.647 χ^2/NDF: 49.7/49

In: 51.384+/-229.277 χ^2/NDF:35.2/44

Out: -415.879+/-221.163 χ^2/NDF:51.1/52

All: -190.662+/-159.177 χ^2/NDF: 88.5/97



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

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

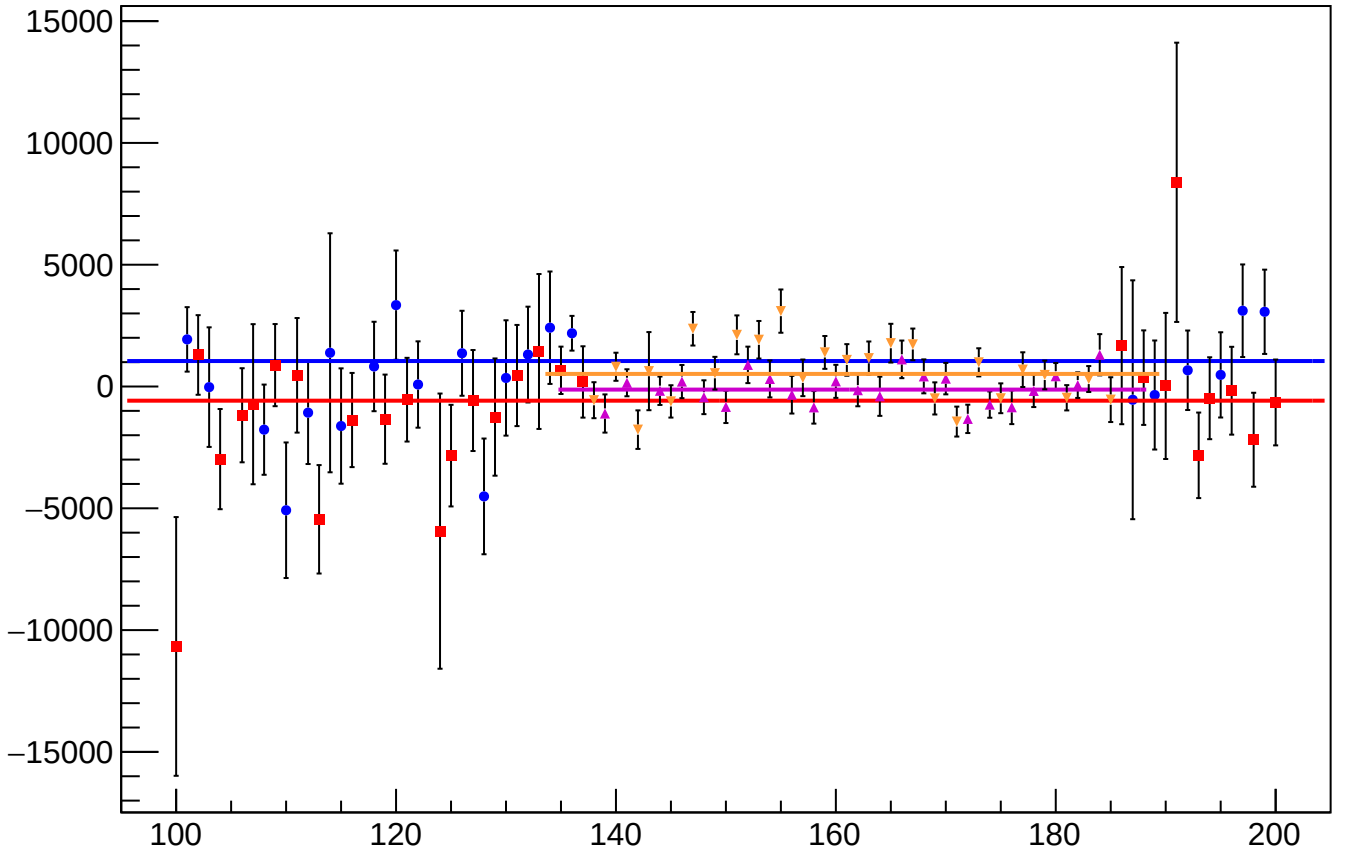
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1275.842+/-0.183 χ^2/NDF: 990461.9/49

In: 1247.008+/-0.162 χ^2/NDF:571235.2/44

Out: 1257.731+/-0.156 χ^2/NDF:686629.4/52

All: 1252.563+/-0.113 χ^2/NDF: 1260131.0/97



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

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

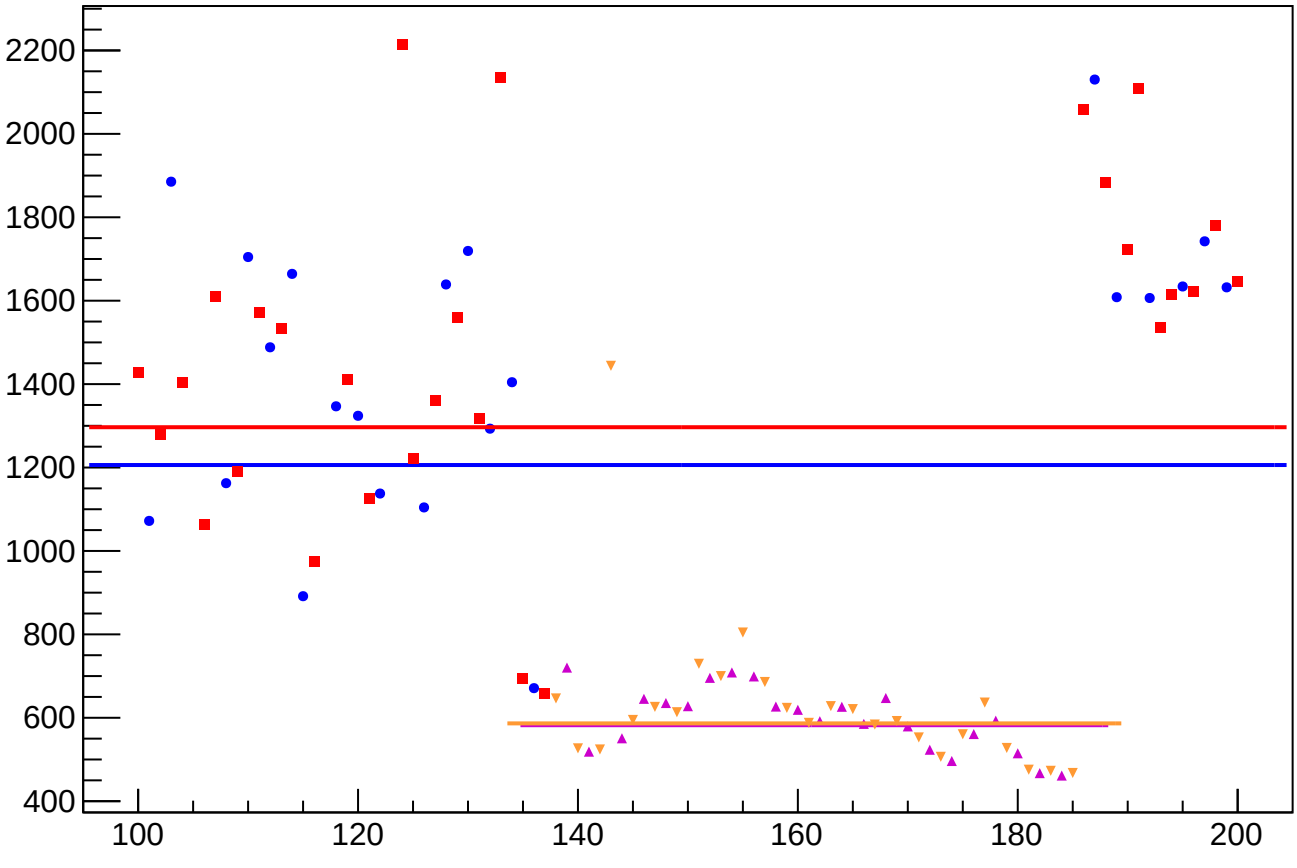
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 221.888+/-264.292 χ^2/NDF: 55.4/49

In: 11.228+/-128.947 χ^2/NDF:53.3/44

Out: 387.370+/-127.499 χ^2/NDF:97.5/52

All: 201.423+/-90.663 χ^2/NDF: 155.1/97



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

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

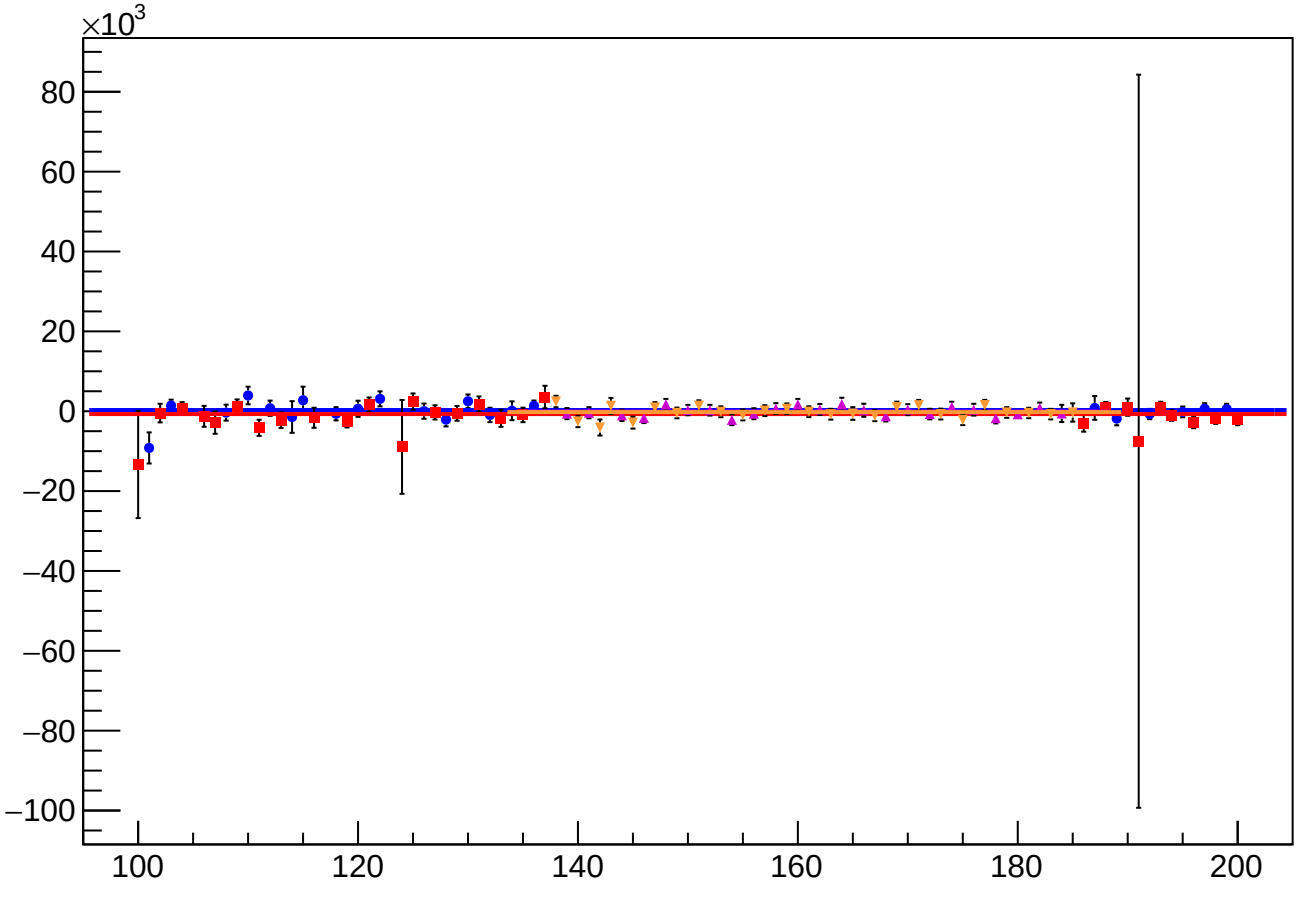
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1251.903+/-0.187 χ^2/NDF: 4691791.6/49

In: 655.512+/-0.091 χ^2/NDF:7730530.5/44

Out: 670.218+/-0.090 χ^2/NDF:9967679.8/52

All: 662.948+/-0.064 χ^2/NDF: 17711363.9/97



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

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

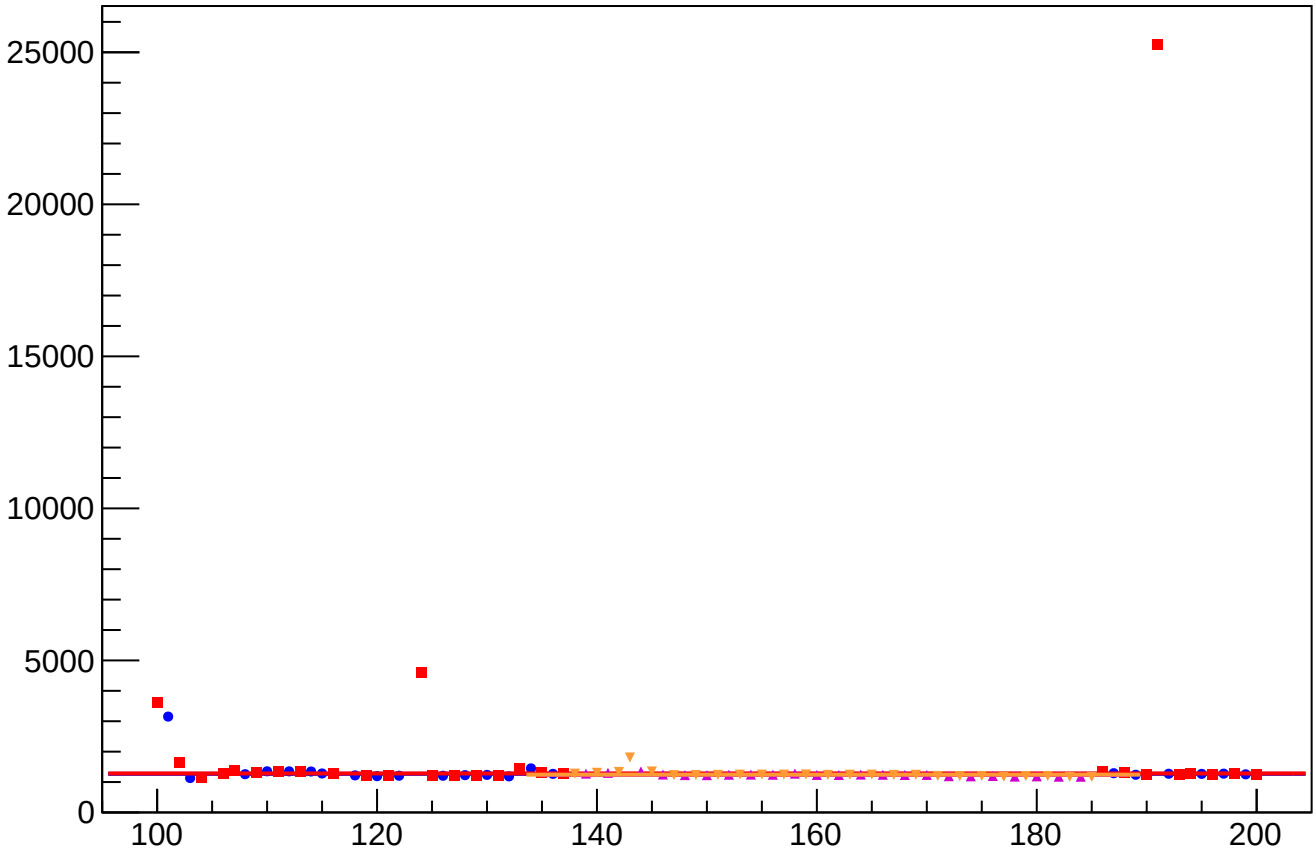
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -238.403+/-258.775 χ^2/NDF: 49.6/49

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -188.292+/-159.207 χ^2/NDF: 88.4/97



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

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

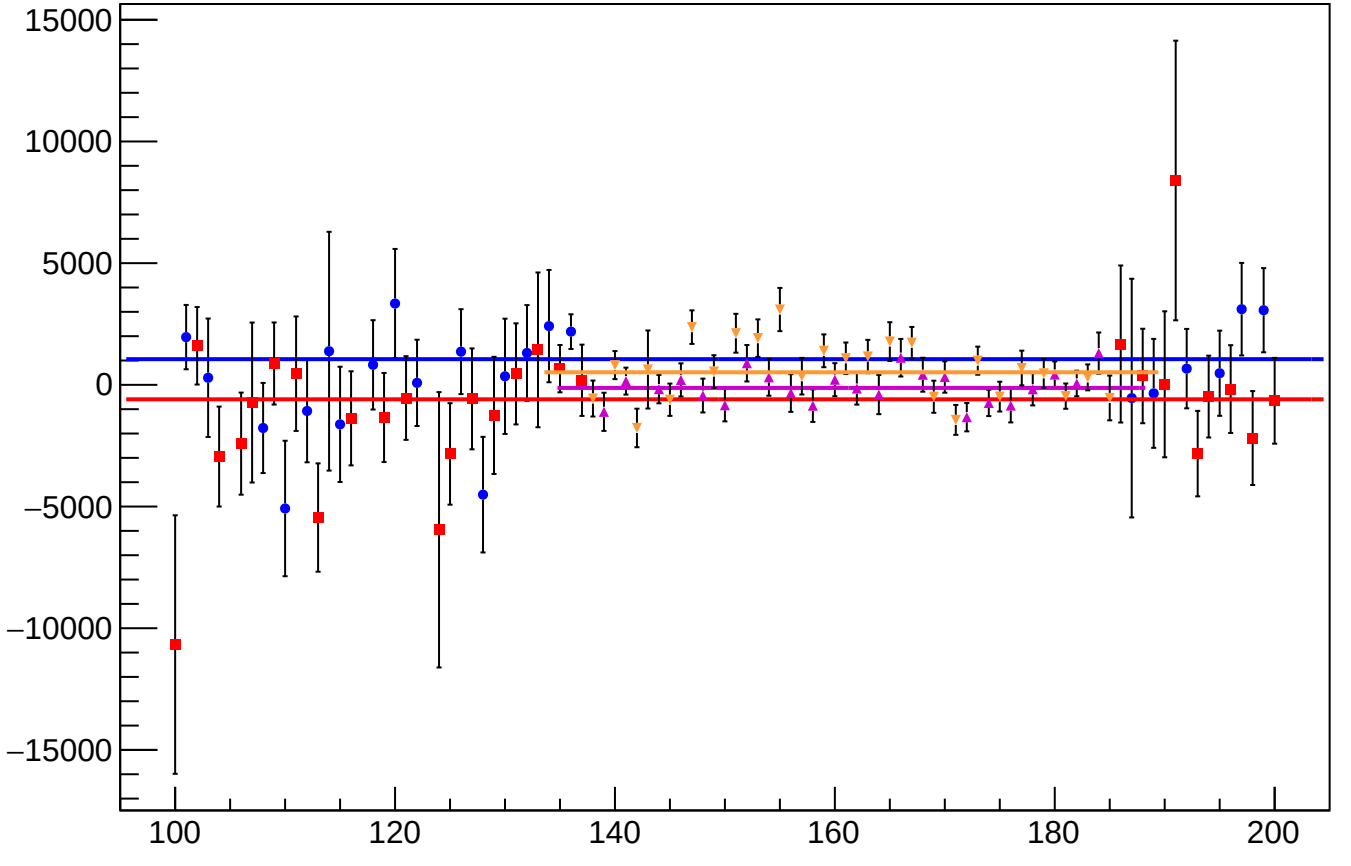
Right: 1276.498+/-0.183 χ^2/NDF: 997408.7/49

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

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

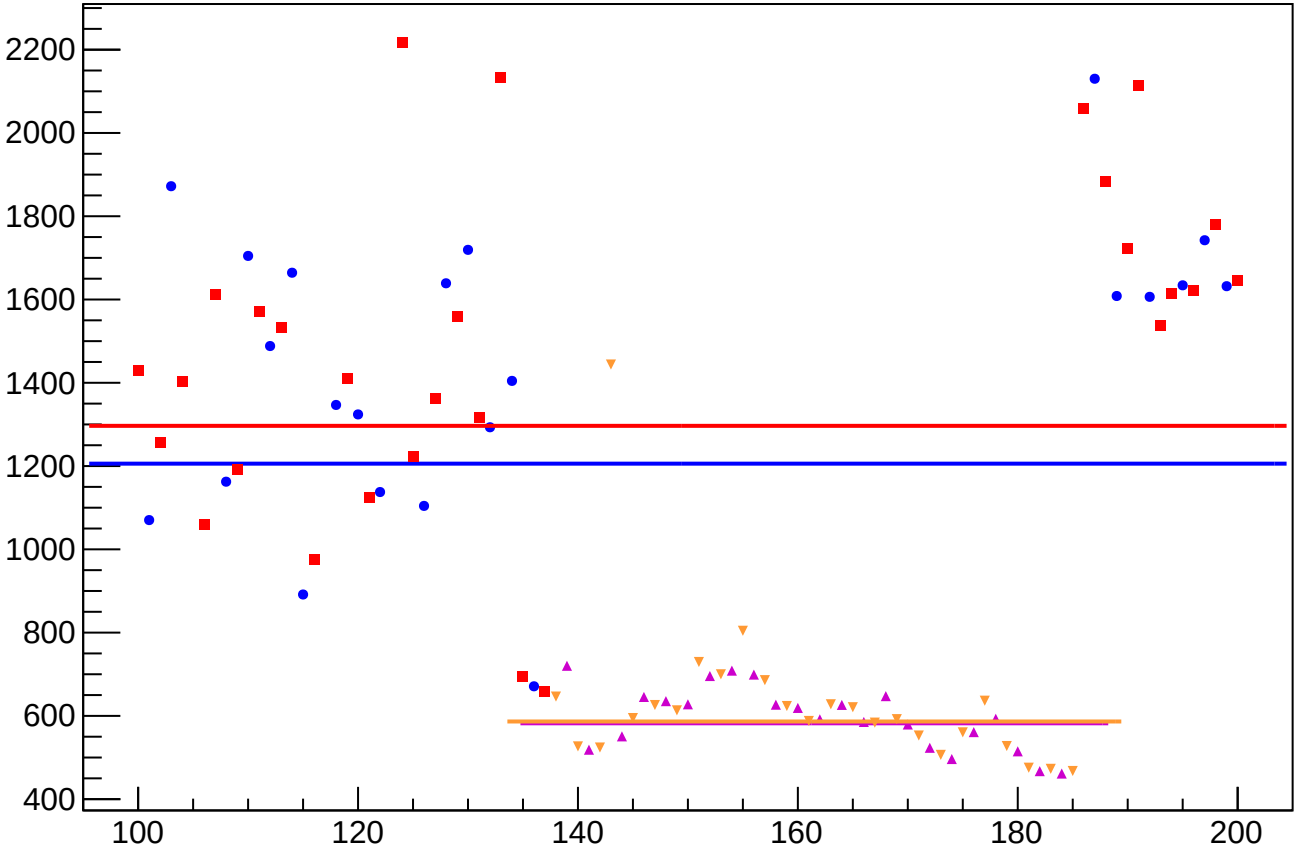
Right: 221.698+/-264.435 χ^2/NDF: 56.8/49

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 201.413+/-90.669 χ^2/NDF: 156.5/97

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

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

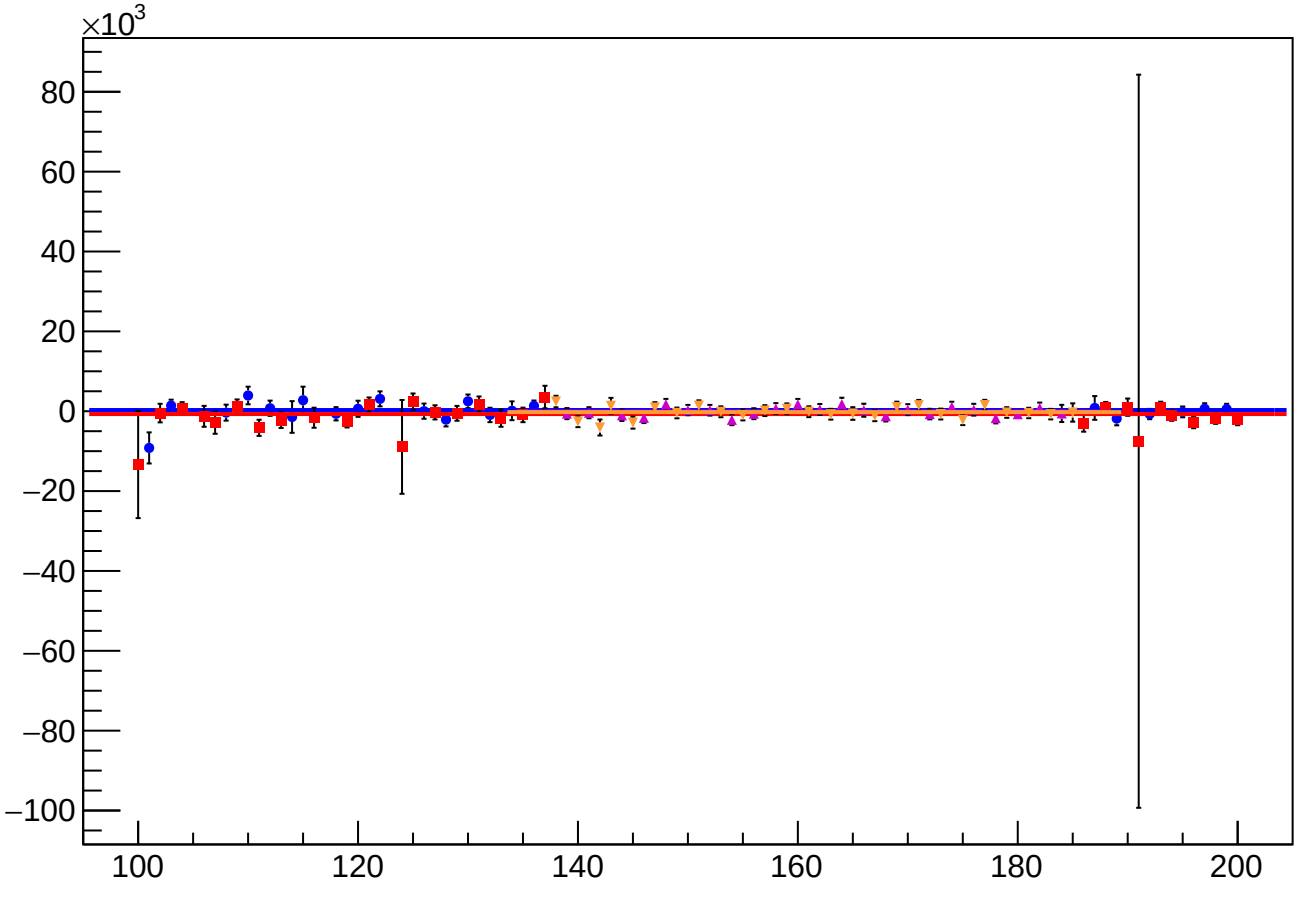
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1251.679+/-0.187 χ^2/NDF: 4686726.8/49

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

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

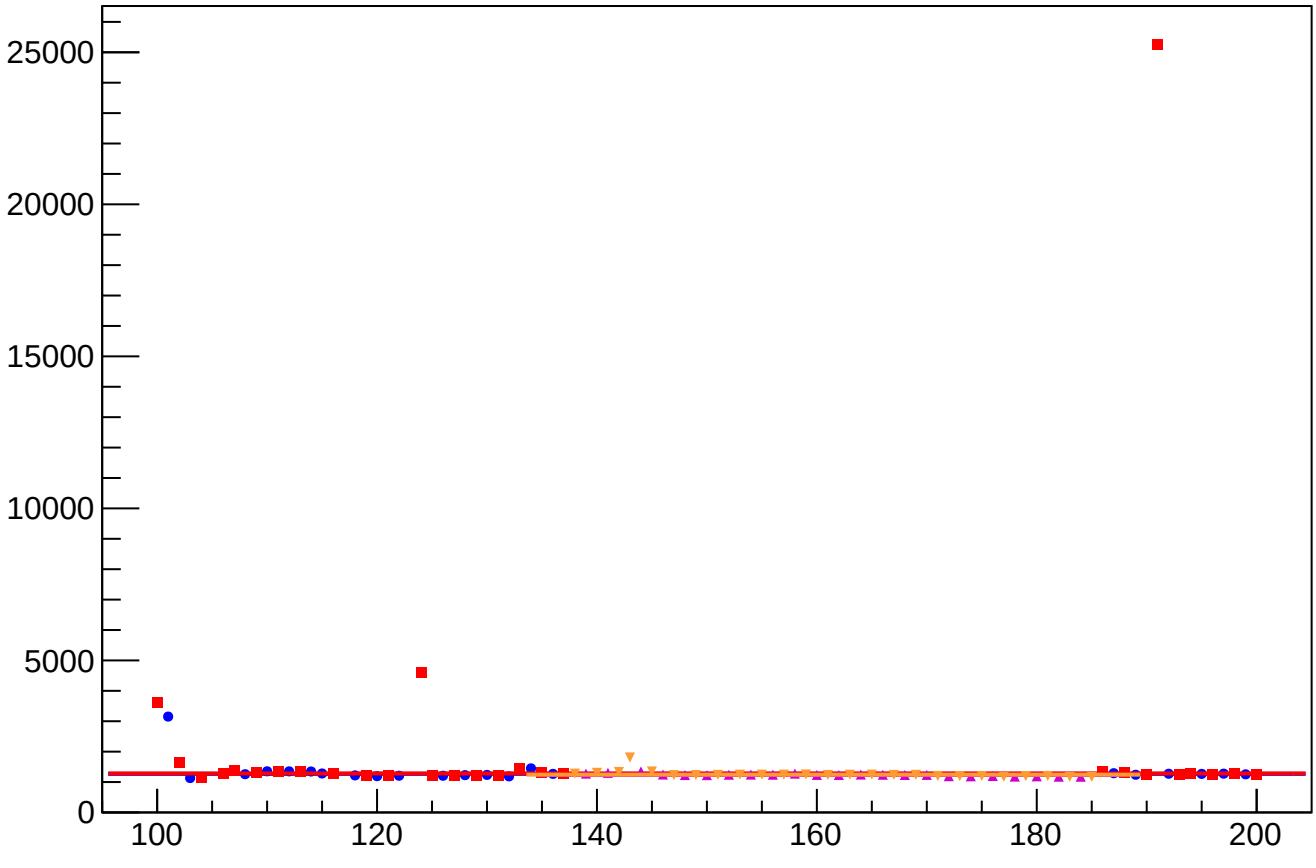
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -238.403+/-258.775 χ^2/NDF: 49.6/49

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -411.495+/-221.242 χ^2/NDF:51.1/52

All: -188.292+/-159.207 χ^2/NDF: 88.4/97



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

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

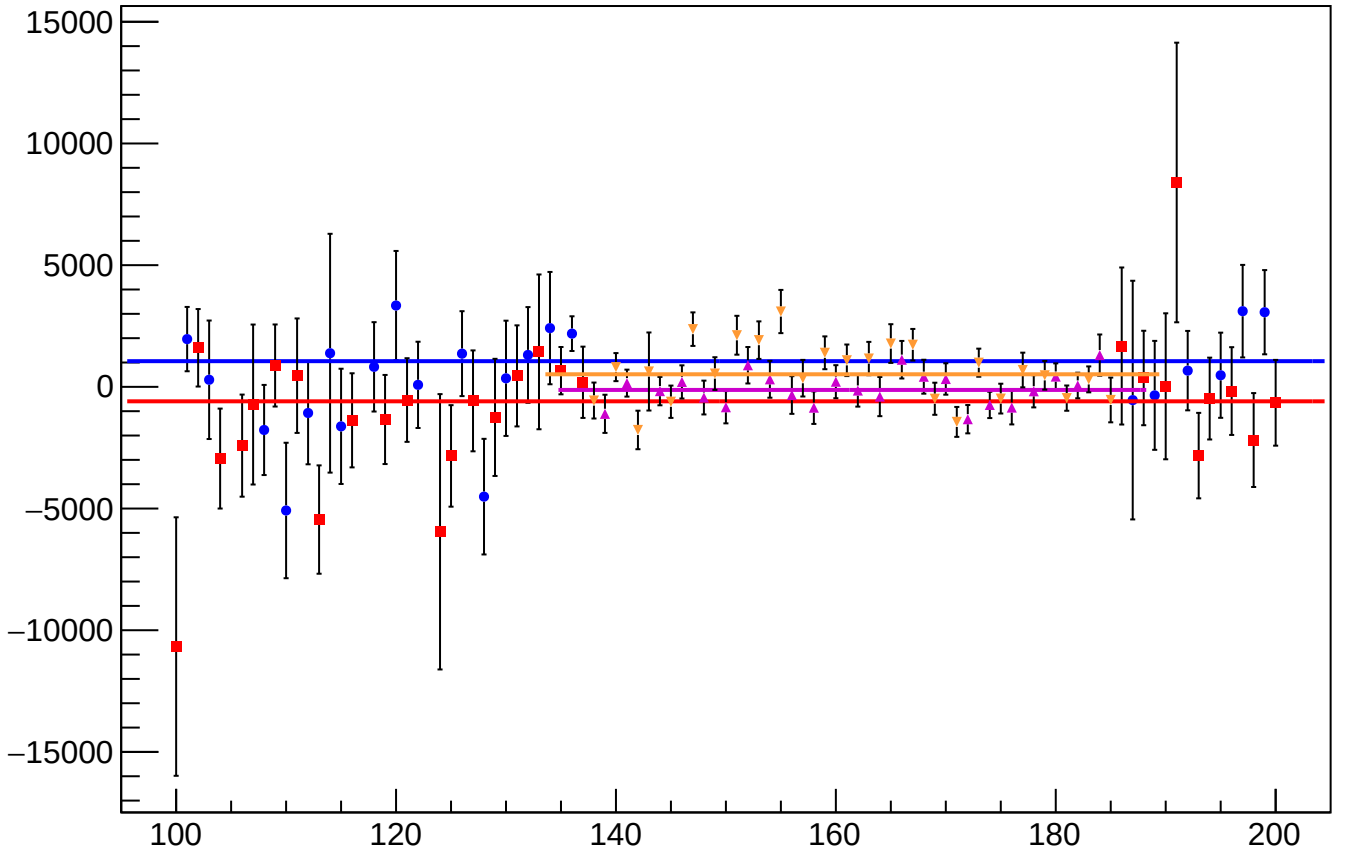
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1276.498+/-0.183 χ^2/NDF: 997408.7/49

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.197+/-0.156 χ^2/NDF:694277.9/52

All: 1252.802+/-0.113 χ^2/NDF: 1267981.1/97



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

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

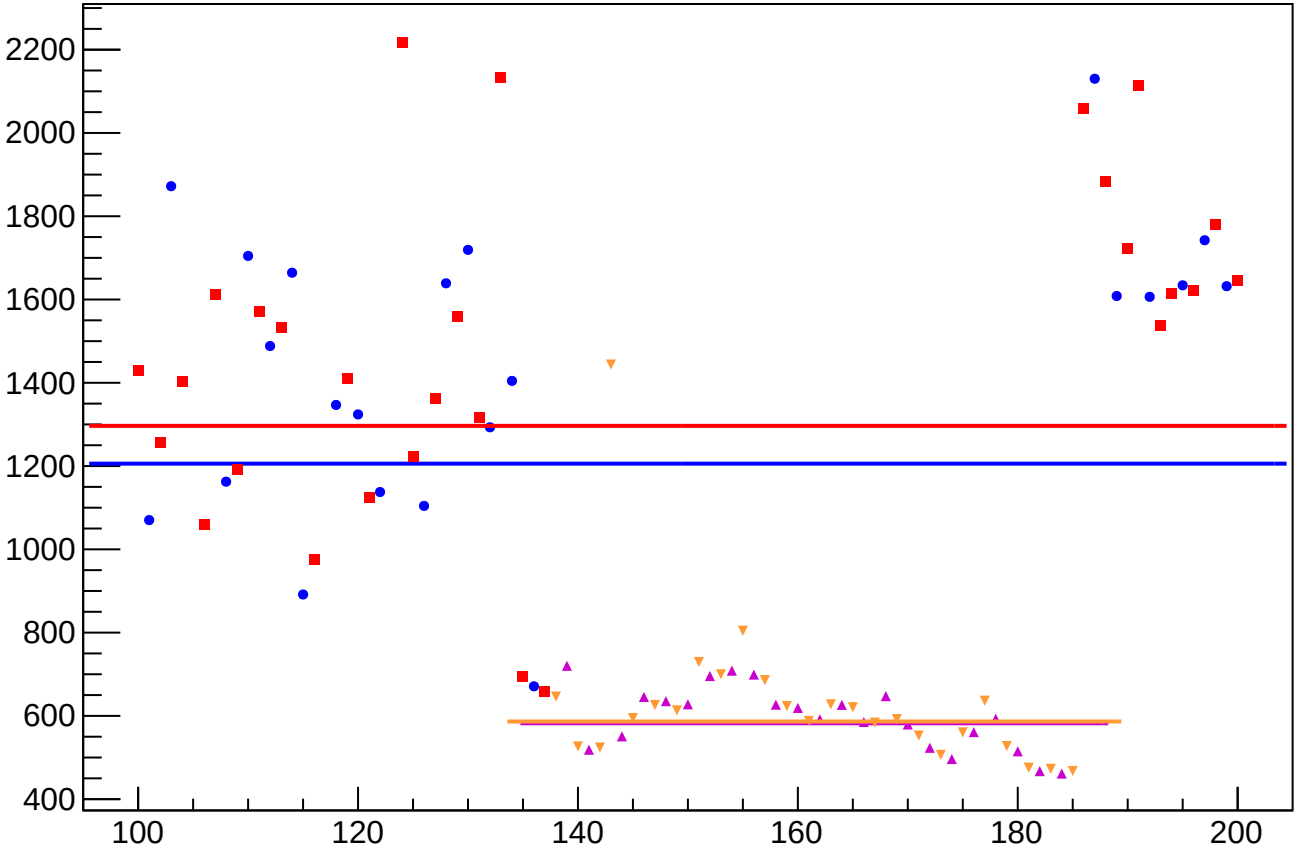
Right: 221.698+/-264.435 χ^2/NDF: 56.8/49

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 386.230+/-127.521 χ^2/NDF:98.9/52

All: 201.413+/-90.669 χ^2/NDF: 156.5/97

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

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

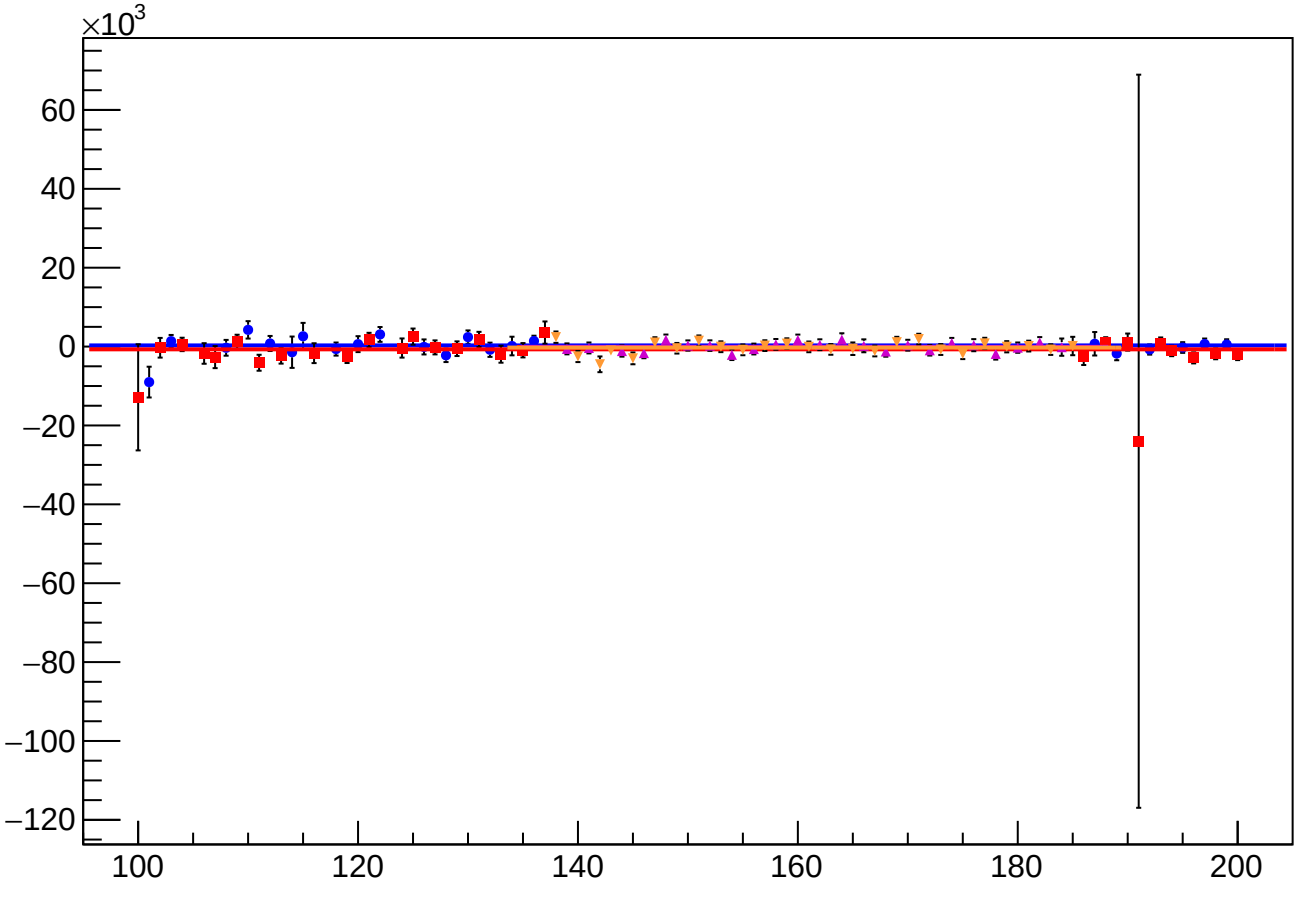
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1251.679+/-0.187 χ^2/NDF: 4686726.8/49

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 670.011+/-0.090 χ^2/NDF:9948146.7/52

All: 662.848+/-0.064 χ^2/NDF: 17687833.0/97



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

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

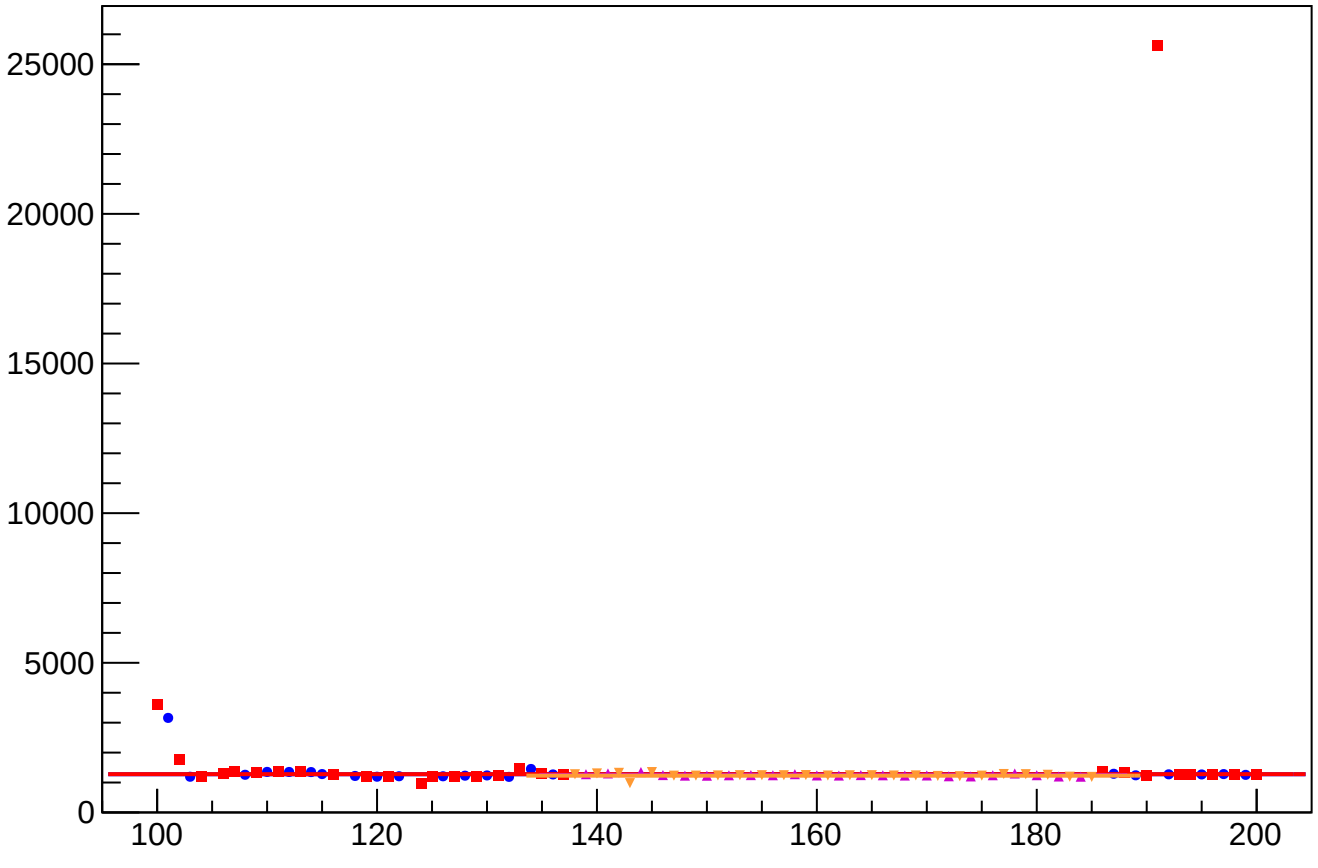
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -239.634+/-258.776 χ^2/NDF: 49.0/49

In: 61.283+/-231.292 χ^2/NDF:34.4/44

Out: -423.935+/-219.401 χ^2/NDF:50.5/52

All: -194.119+/-159.178 χ^2/NDF: 87.3/97



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

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

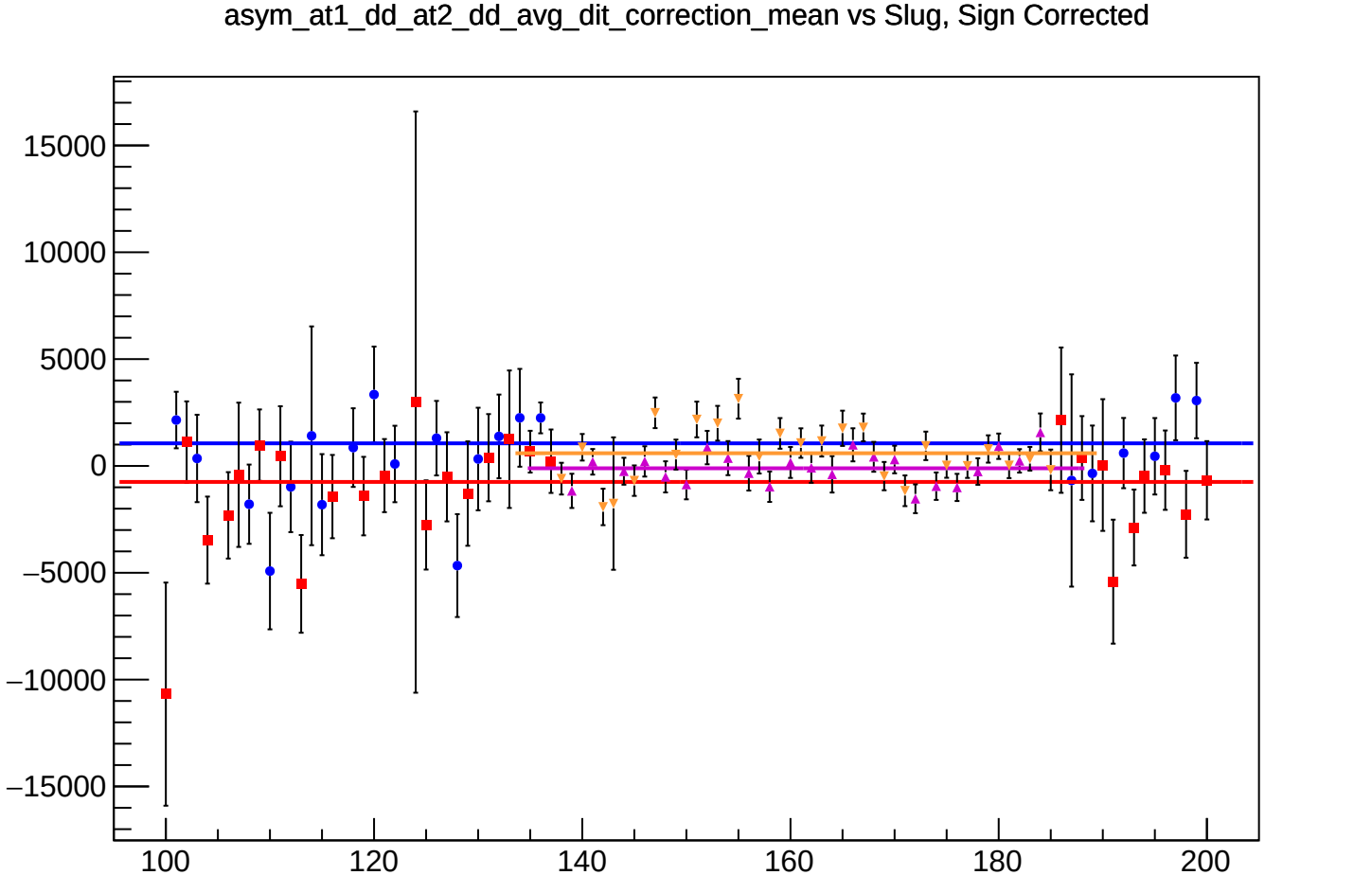
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1277.923+/-0.183 χ^2/NDF: 877770.0/49

In: 1258.227+/-0.164 χ^2/NDF:543023.4/44

Out: 1249.119+/-0.155 χ^2/NDF:534758.5/52

All: 1253.433+/-0.113 χ^2/NDF: 1079414.5/97


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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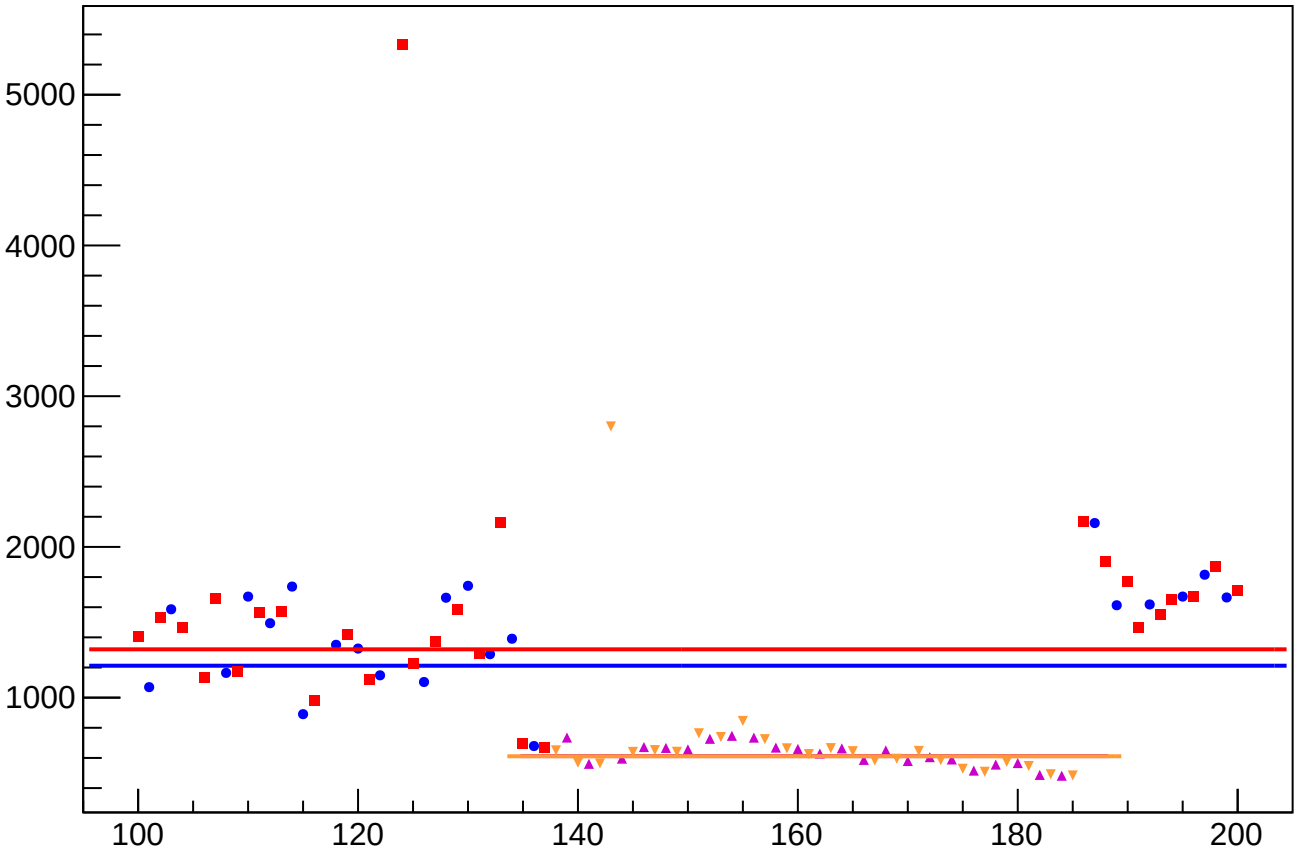
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1058.125+/-377.211 χ²/NDF: 23.6/21
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -748.259+/-376.775 χ²/NDF: 23.0/27
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 153.889+/-266.574 χ²/NDF: 58.2/49
In: 38.780+/-134.720 χ²/NDF:57.7/44
Out: 427.664+/-132.983 χ²/NDF:91.5/52
All: 235.745+/-94.641 χ²/NDF: 153.4/97



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

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

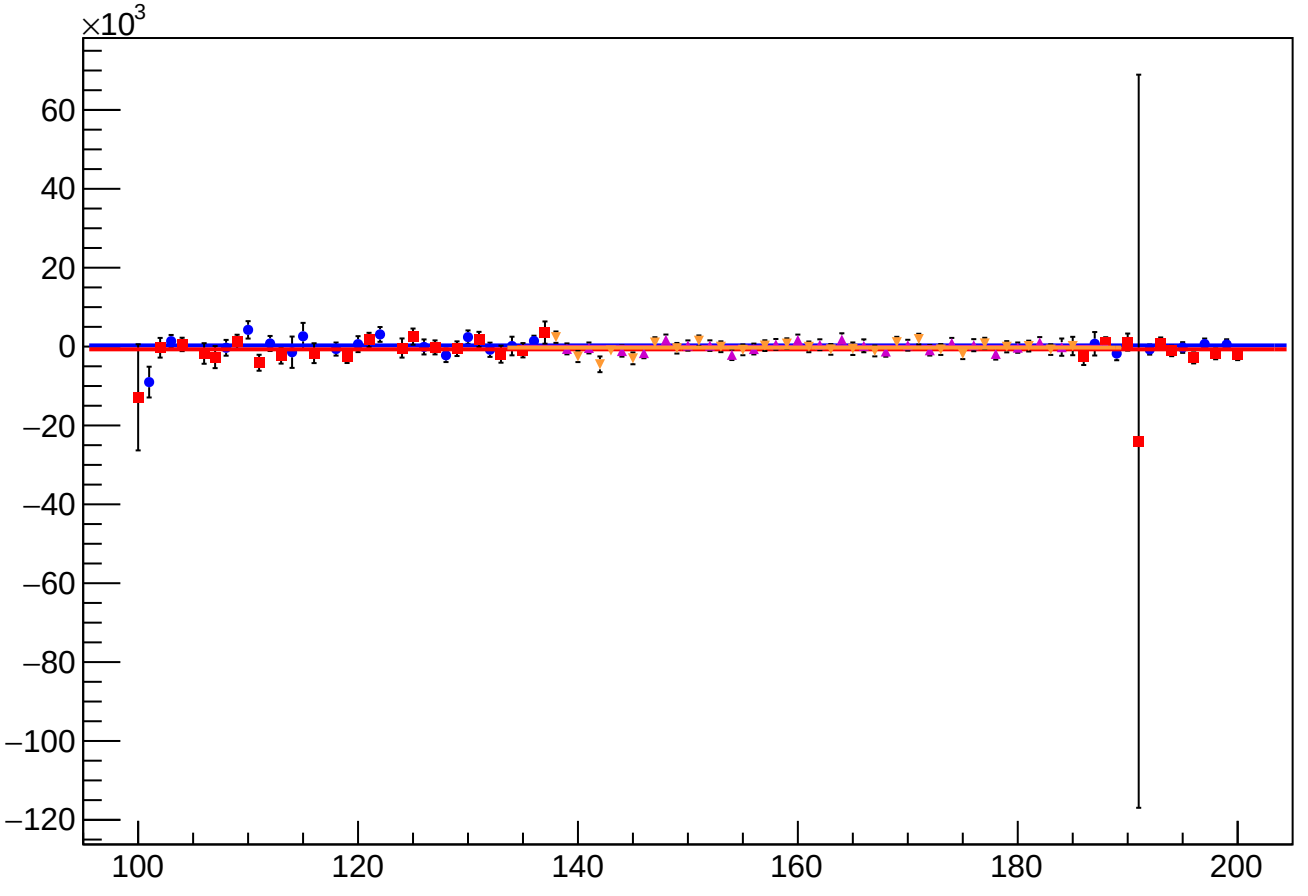
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1266.264+/-0.188 χ^2/NDF: 4862727.6/49

In: 688.862+/-0.095 χ^2/NDF:7165523.5/44

Out: 699.468+/-0.094 χ^2/NDF:10356560.4/52

All: 694.233+/-0.067 χ^2/NDF: 17528361.9/97



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

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

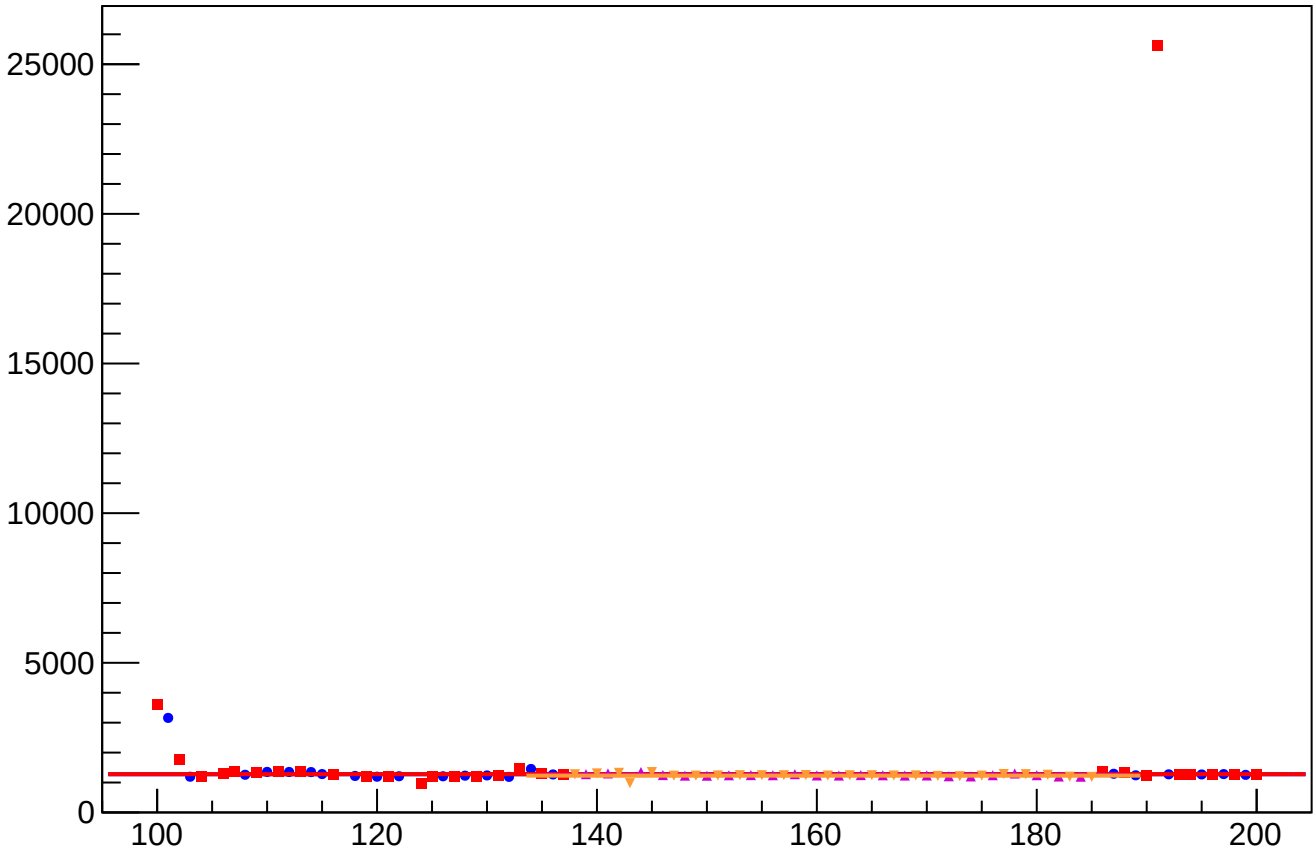
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -239.632+/-258.776 χ^2/NDF: 49.0/49

In: 61.284+/-231.292 χ^2/NDF:34.4/44

Out: -423.936+/-219.401 χ^2/NDF:50.5/52

All: -194.119+/-159.178 χ^2/NDF: 87.3/97



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

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

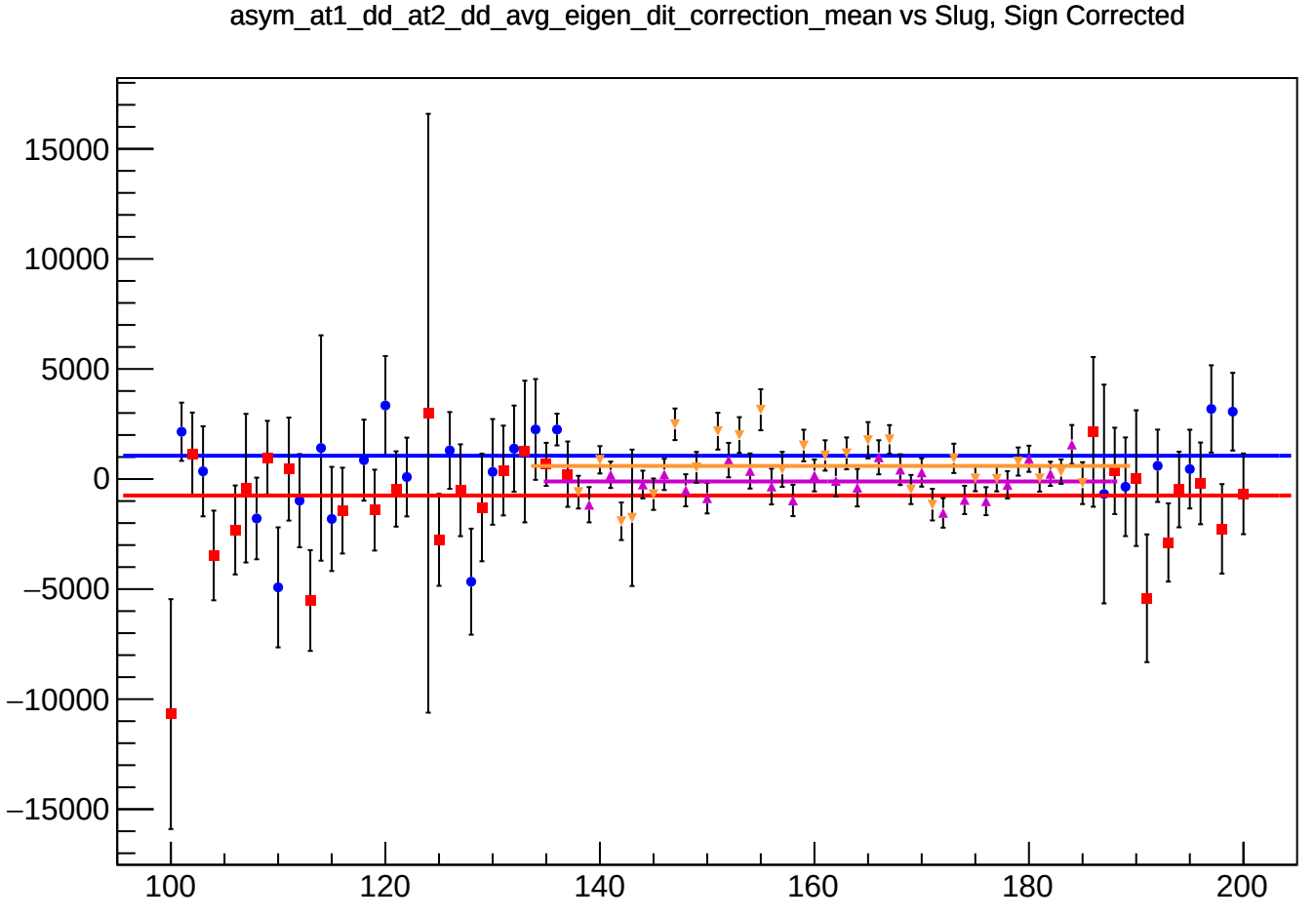
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1277.923+/-0.183 χ^2/NDF: 877770.1/49

In: 1258.227+/-0.164 χ^2/NDF:543023.5/44

Out: 1249.119+/-0.155 χ^2/NDF:534757.5/52

All: 1253.433+/-0.113 χ^2/NDF: 1079413.5/97


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
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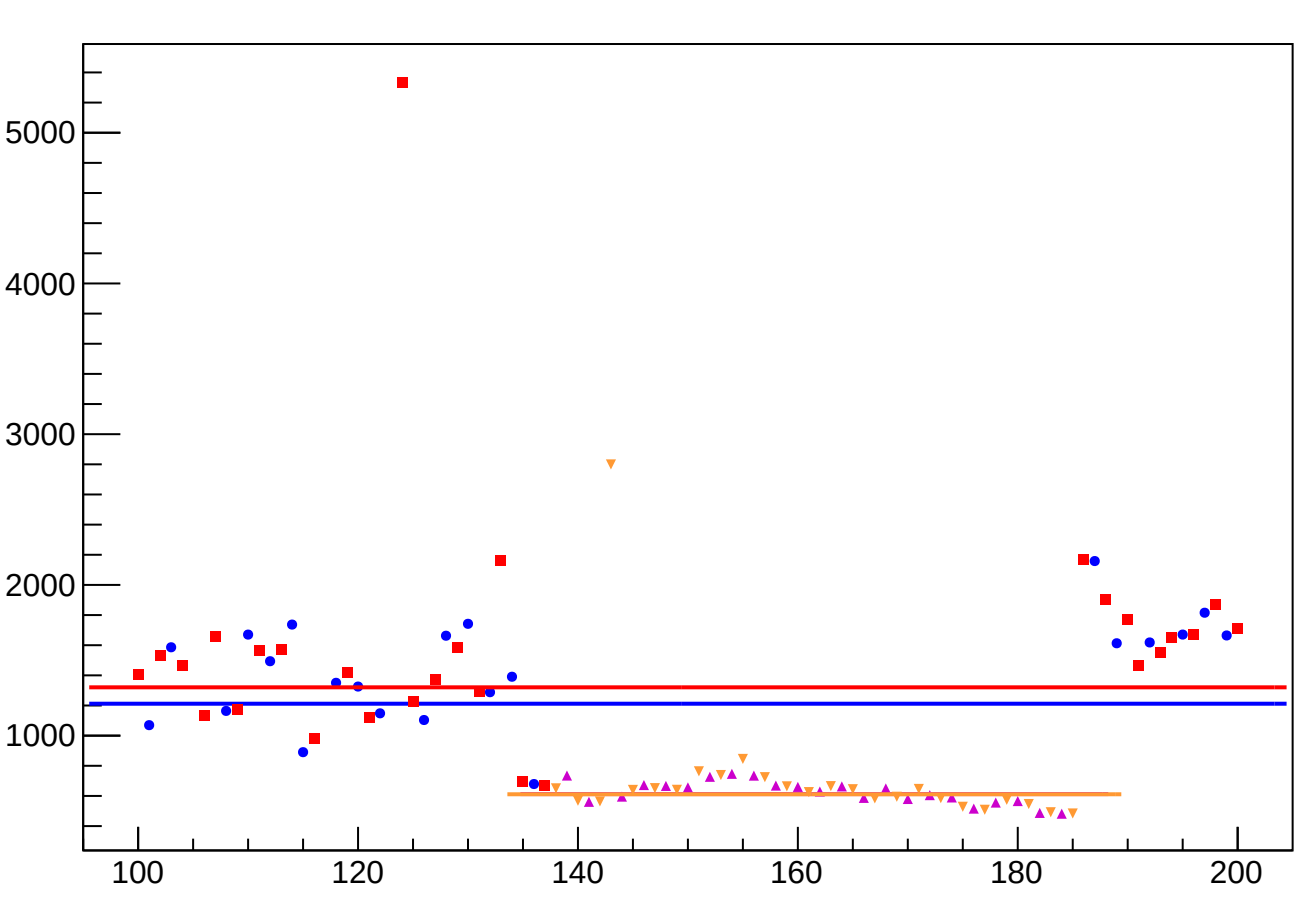
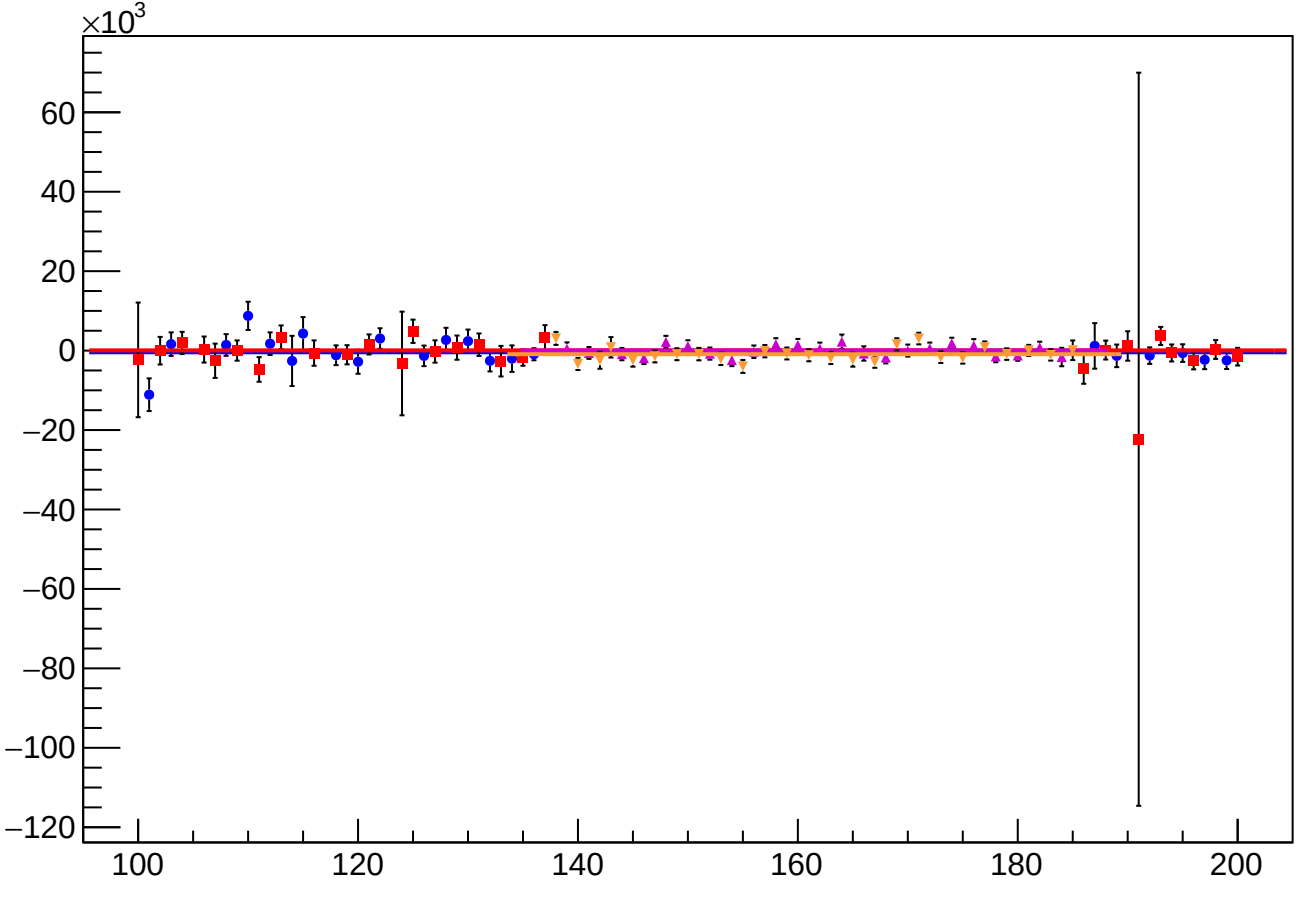
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1058.122+/-377.212 χ²/NDF: 23.6/21
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -748.269+/-376.776 χ²/NDF: 23.0/27
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 153.882+/-266.575 χ²/NDF: 58.2/49
In: 38.779+/-134.720 χ²/NDF:57.7/44
Out: 427.664+/-132.983 χ²/NDF:91.5/52
All: 235.744+/-94.641 χ²/NDF: 153.4/97


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1211.859+/-0.267 χ²/NDF: 2250169.1/21
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1320.556+/-0.266 χ²/NDF: 2529270.4/27
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1266.270+/-0.188 χ²/NDF: 4862570.6/49
In: 688.861+/-0.095 χ²/NDF:7165521.1/44
Out: 699.468+/-0.094 χ²/NDF:10356557.5/52
All: 694.233+/-0.067 χ²/NDF: 17528357.0/97



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

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

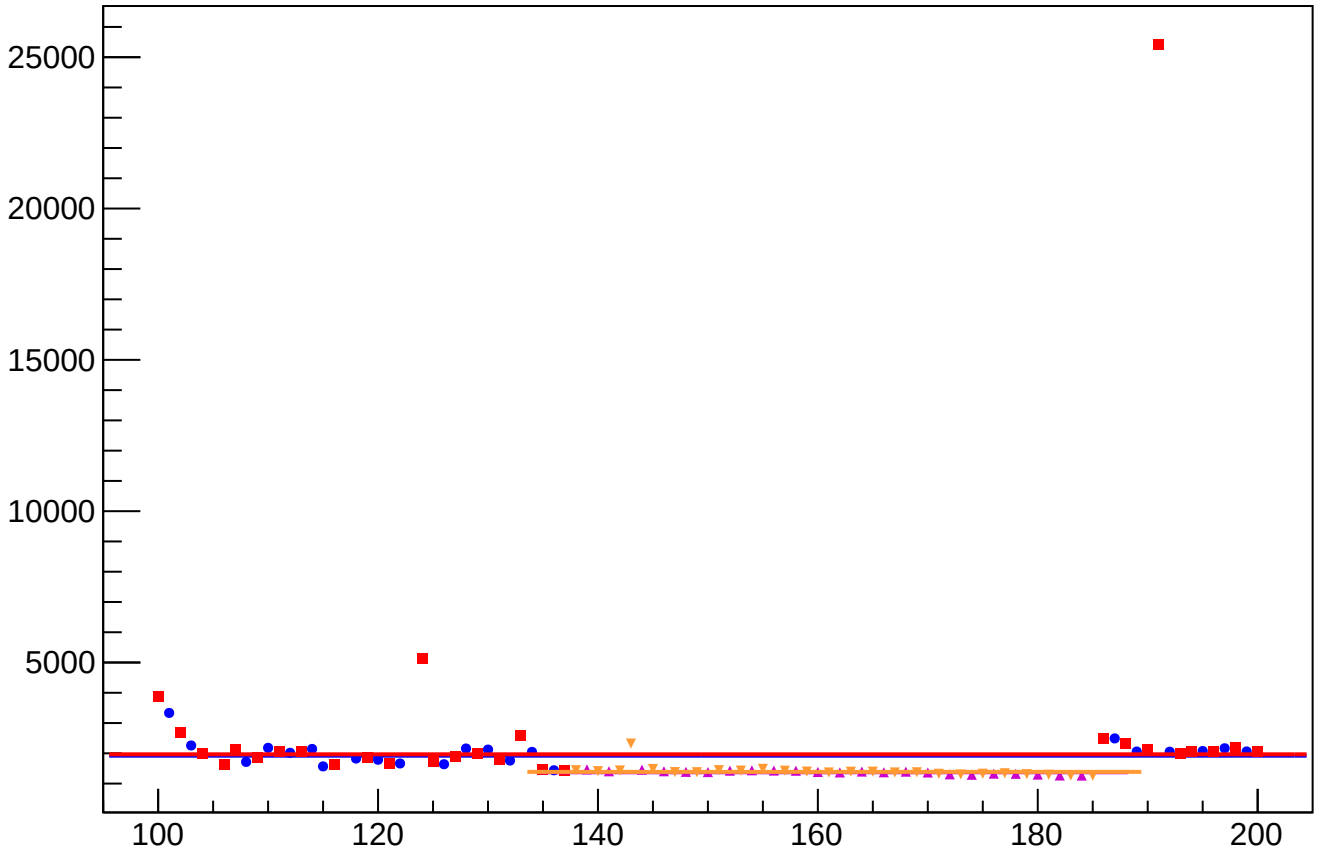
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -166.678+/-396.353 χ^2/NDF: 40.3/49

In: -62.783+/-280.243 χ^2/NDF:42.1/44

Out: -658.790+/-273.919 χ^2/NDF:48.4/52

All: -367.587+/-195.887 χ^2/NDF: 92.8/97



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

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

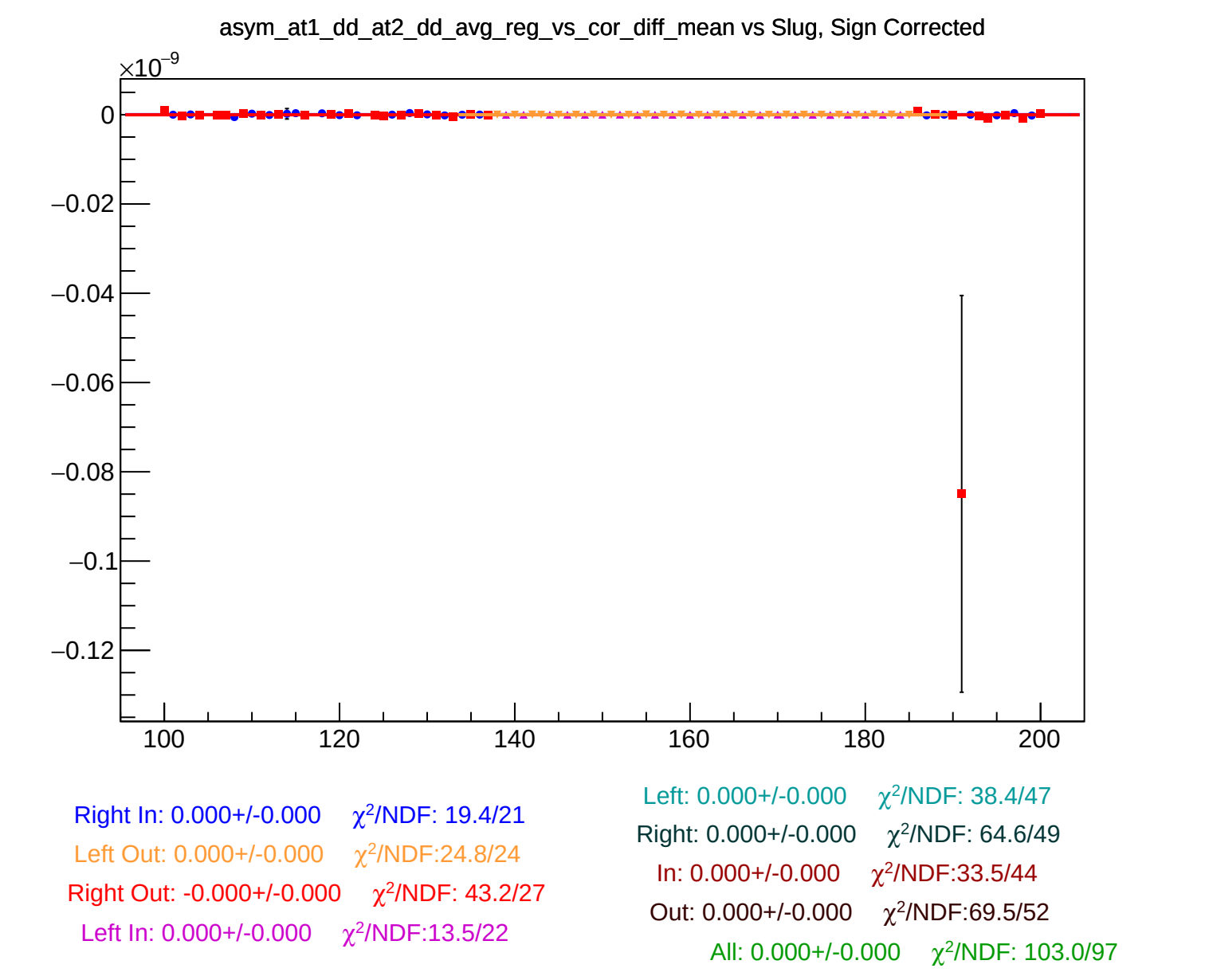
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1945.293+/-0.280 χ^2/NDF: 1476858.8/49

In: 1503.426+/-0.198 χ^2/NDF:2106834.1/44

Out: 1532.264+/-0.194 χ^2/NDF:2838520.8/52

All: 1518.174+/-0.139 χ^2/NDF: 4956185.8/97


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−9
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
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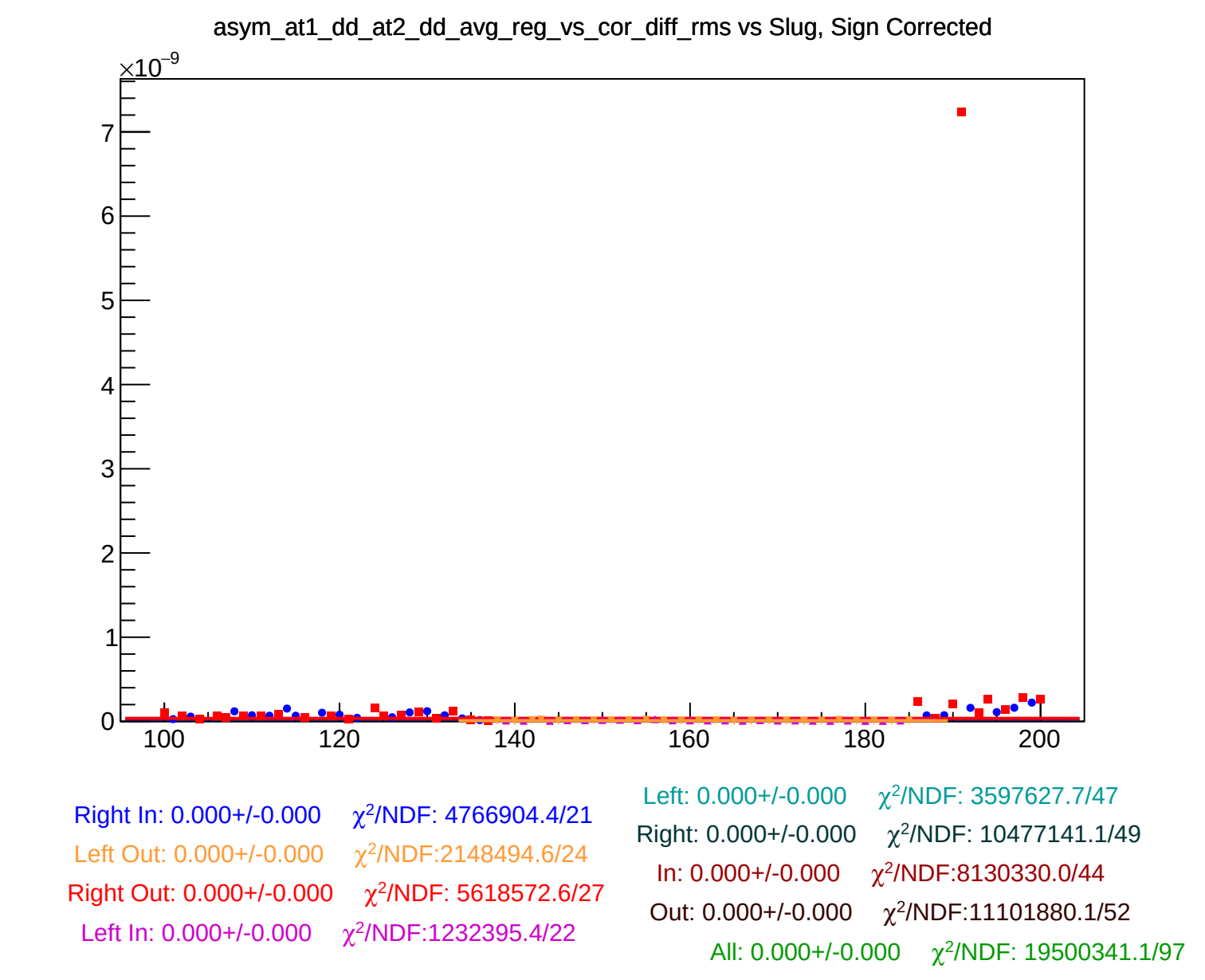
Right In: 0.000+/-0.000 χ²/NDF: 19.4/21
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 43.2/27
Left In: 0.000+/-0.000 χ²/NDF:13.5/22
Left: 0.000+/-0.000 χ²/NDF: 38.4/47
Right: 0.000+/-0.000 χ²/NDF: 64.6/49
In: 0.000+/-0.000 χ²/NDF:33.5/44
Out: 0.000+/-0.000 χ²/NDF:69.5/52
All: 0.000+/-0.000 χ²/NDF: 103.0/97


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
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1
0
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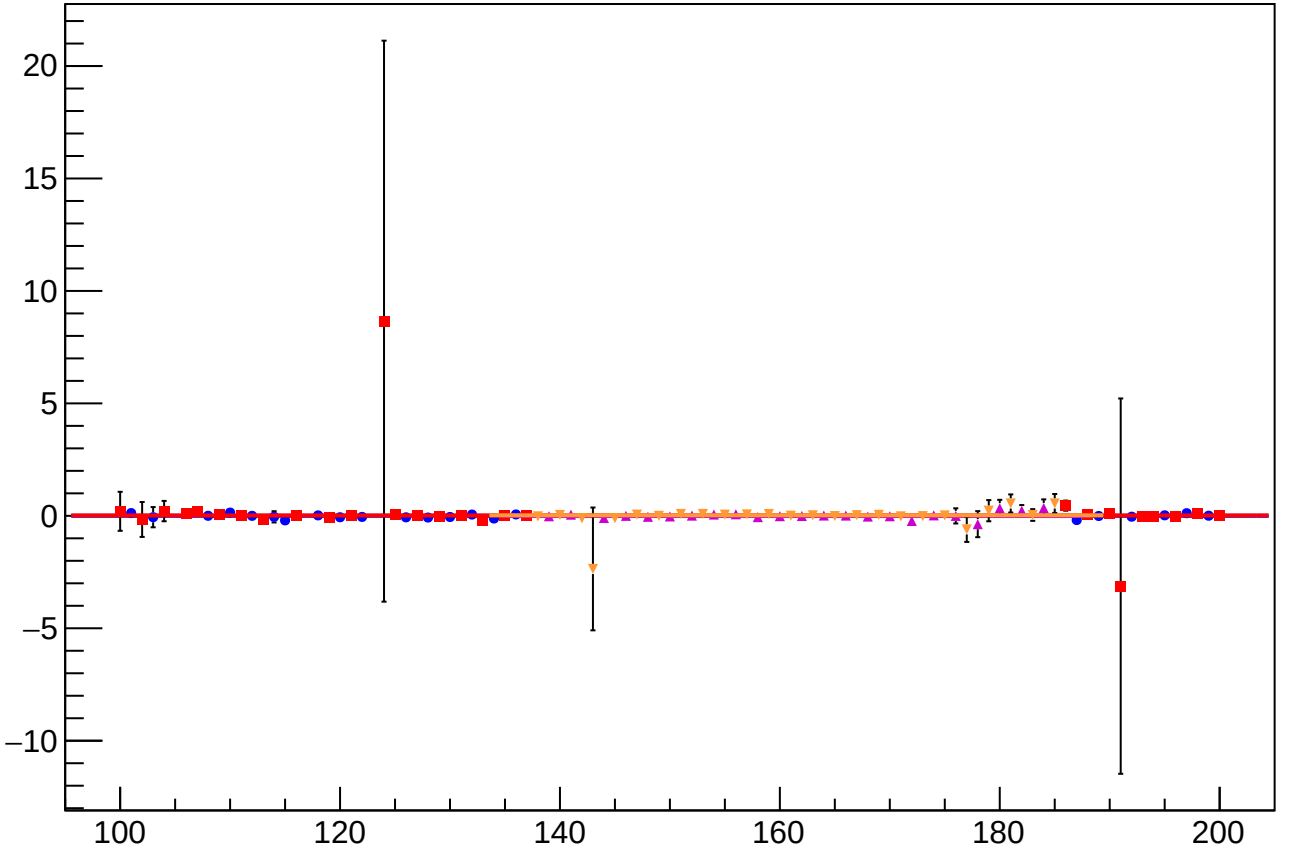
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4766904.4/21
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5618572.6/27
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 10477141.1/49
In: 0.000+/-0.000 χ²/NDF:8130330.0/44
Out: 0.000+/-0.000 χ²/NDF:11101880.1/52
All: 0.000+/-0.000 χ²/NDF: 19500341.1/97

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

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

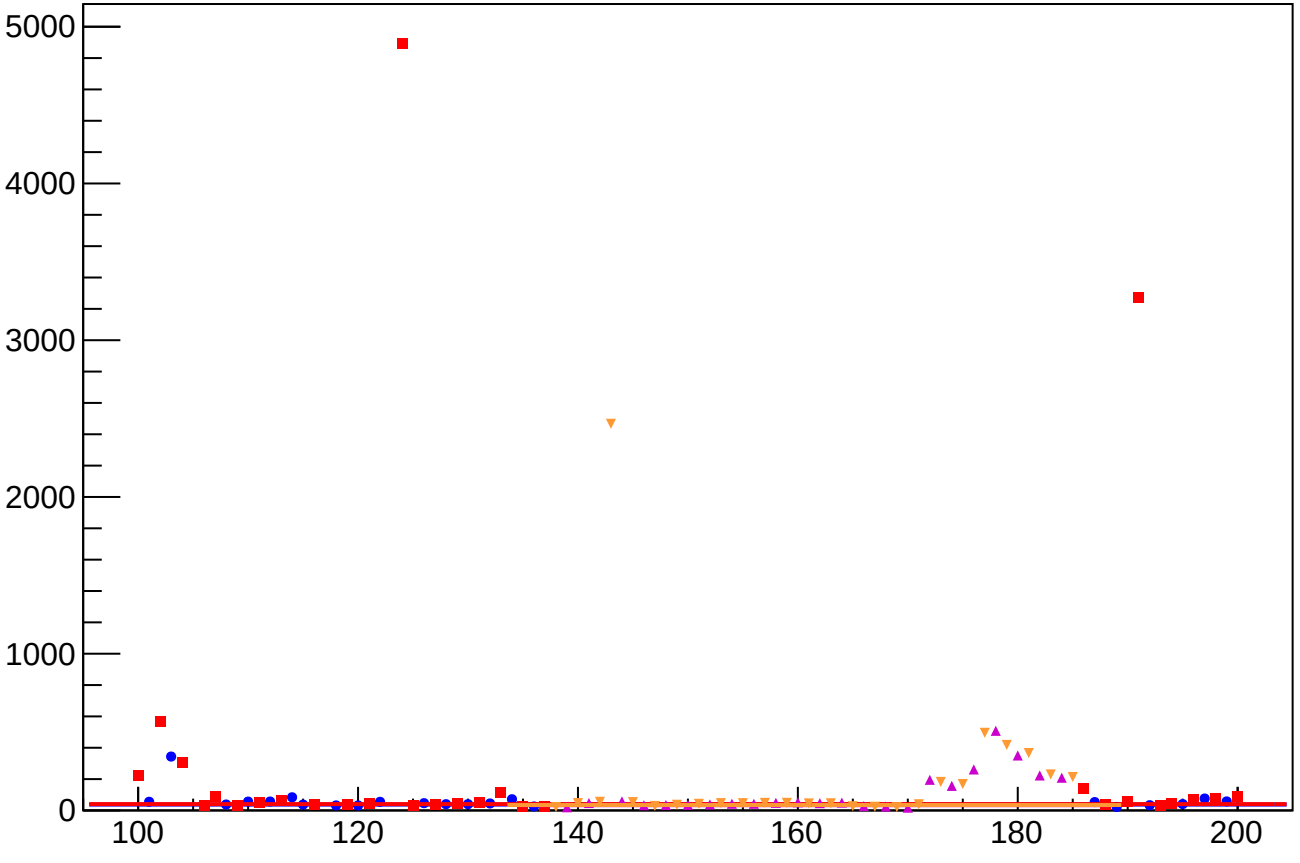
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

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

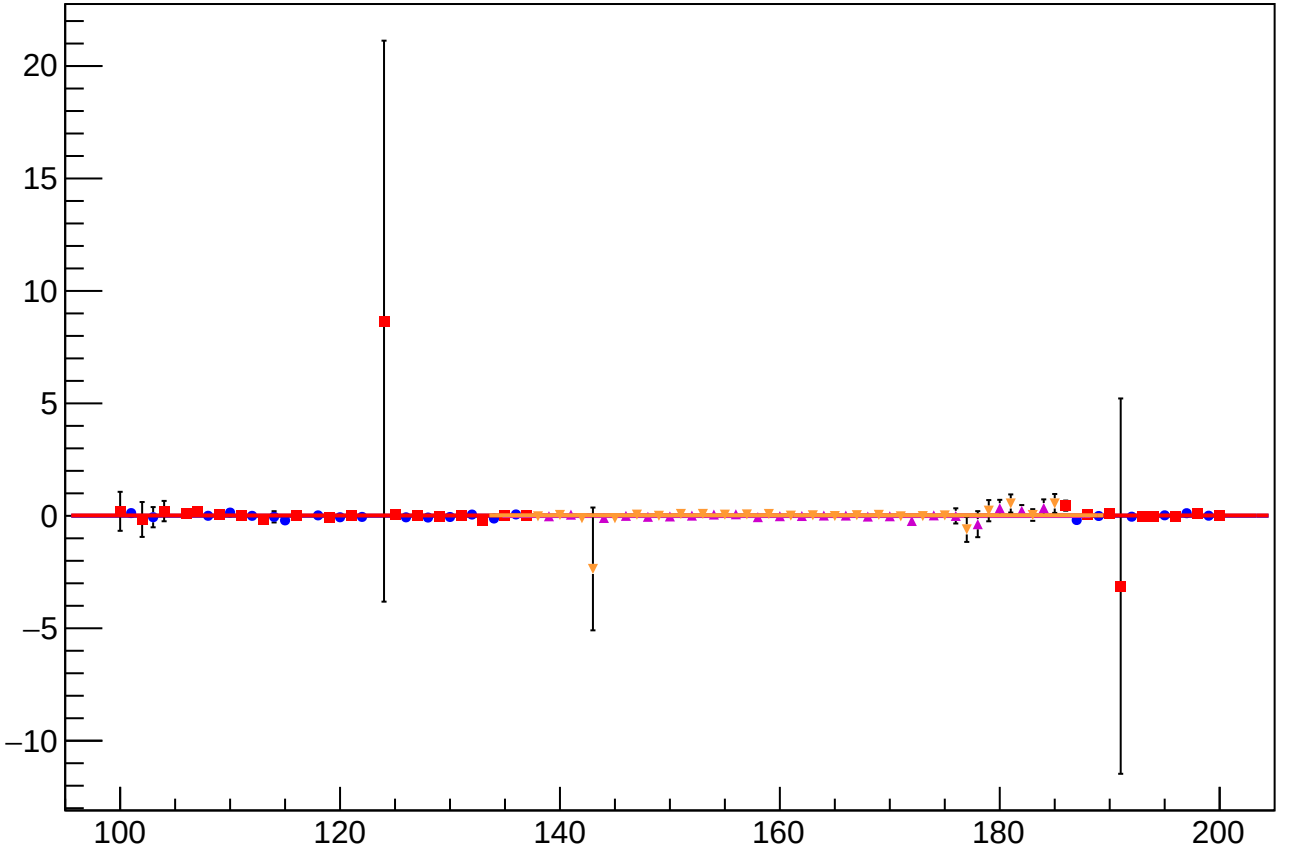
Right: 38.951+/-0.007 χ^2/NDF: 8133782.5/49

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97

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: 24.6/21

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

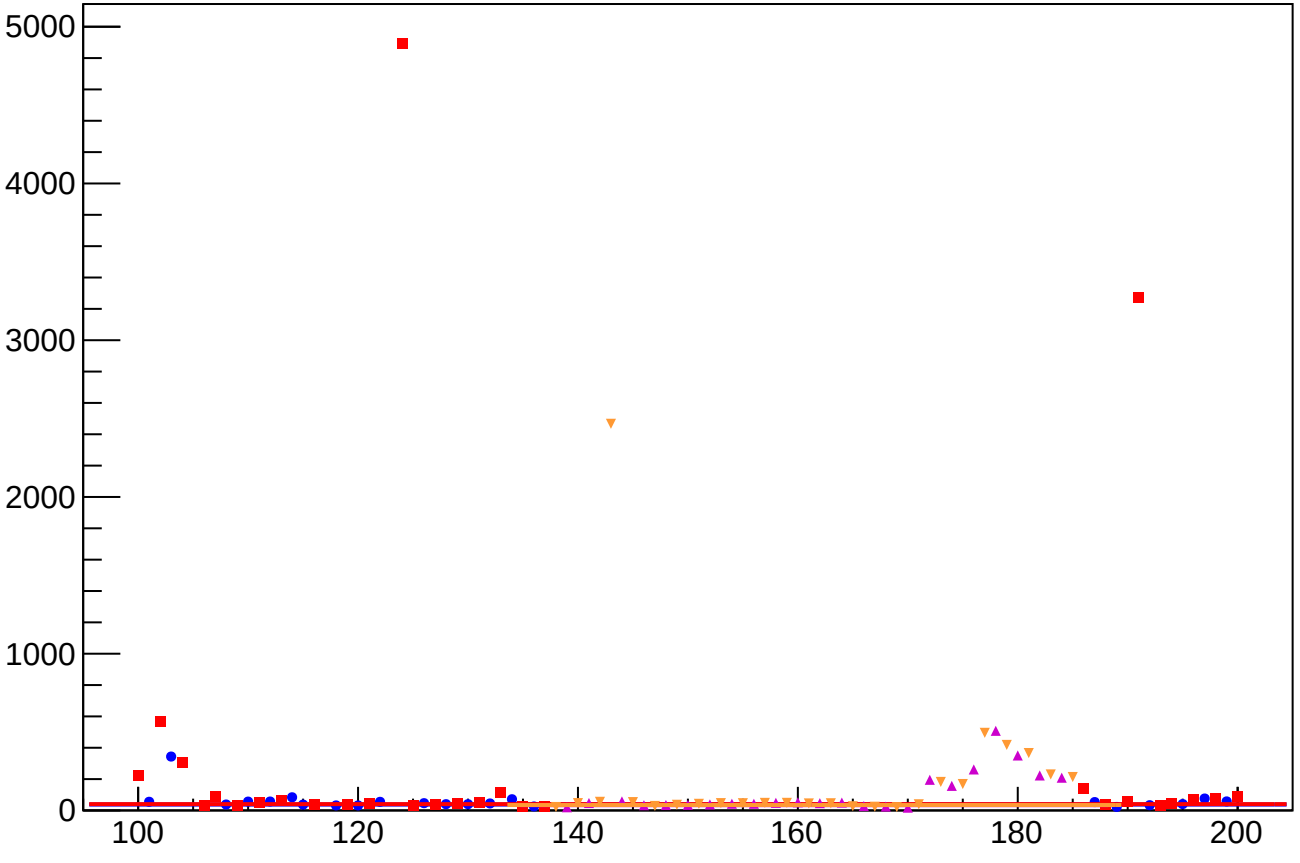
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

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

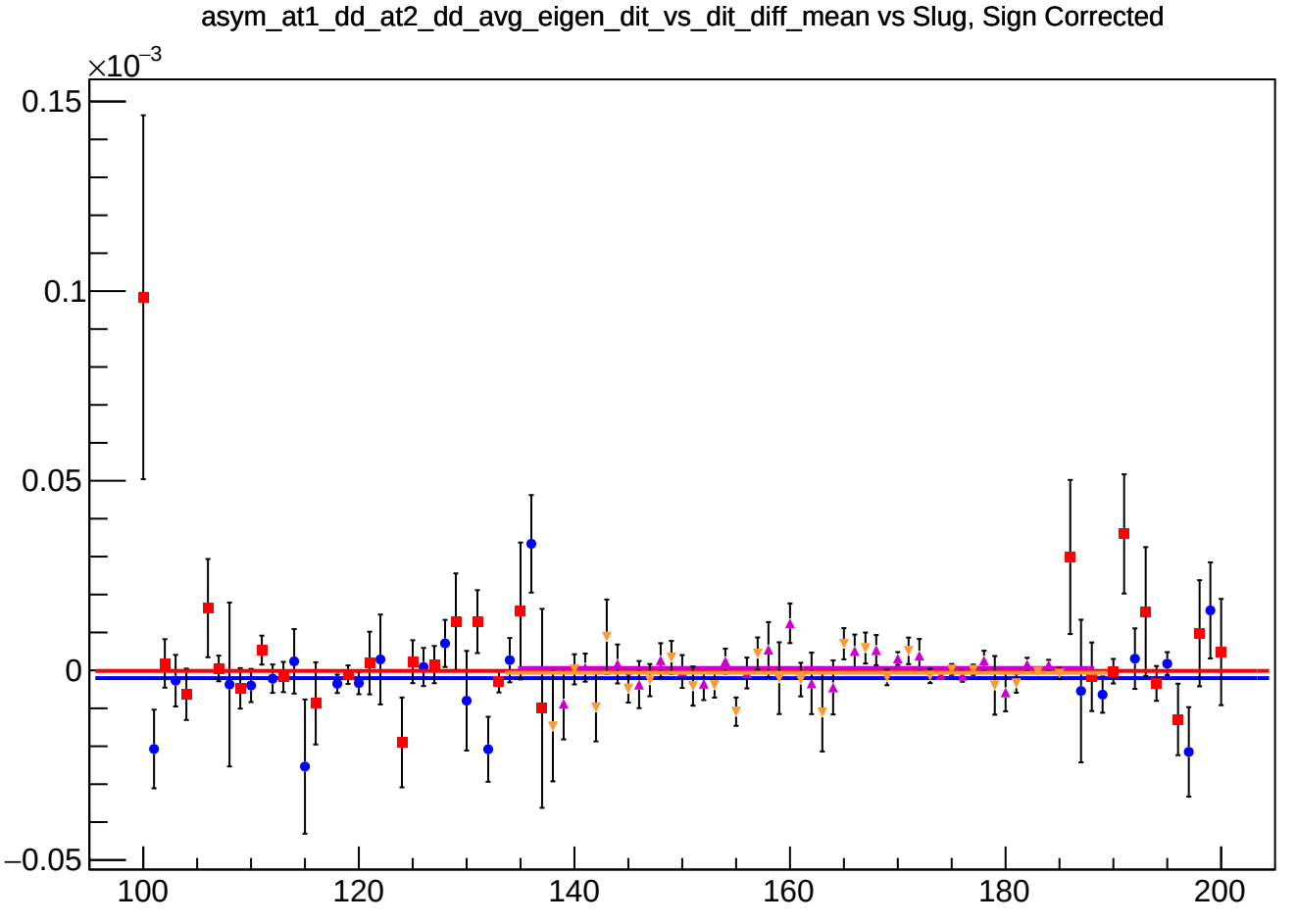
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.951+/-0.007 χ^2/NDF: 8133782.5/49

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.768+/-0.006 χ^2/NDF:16846153.0/52

All: 35.903+/-0.004 χ^2/NDF: 29960639.8/97



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

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

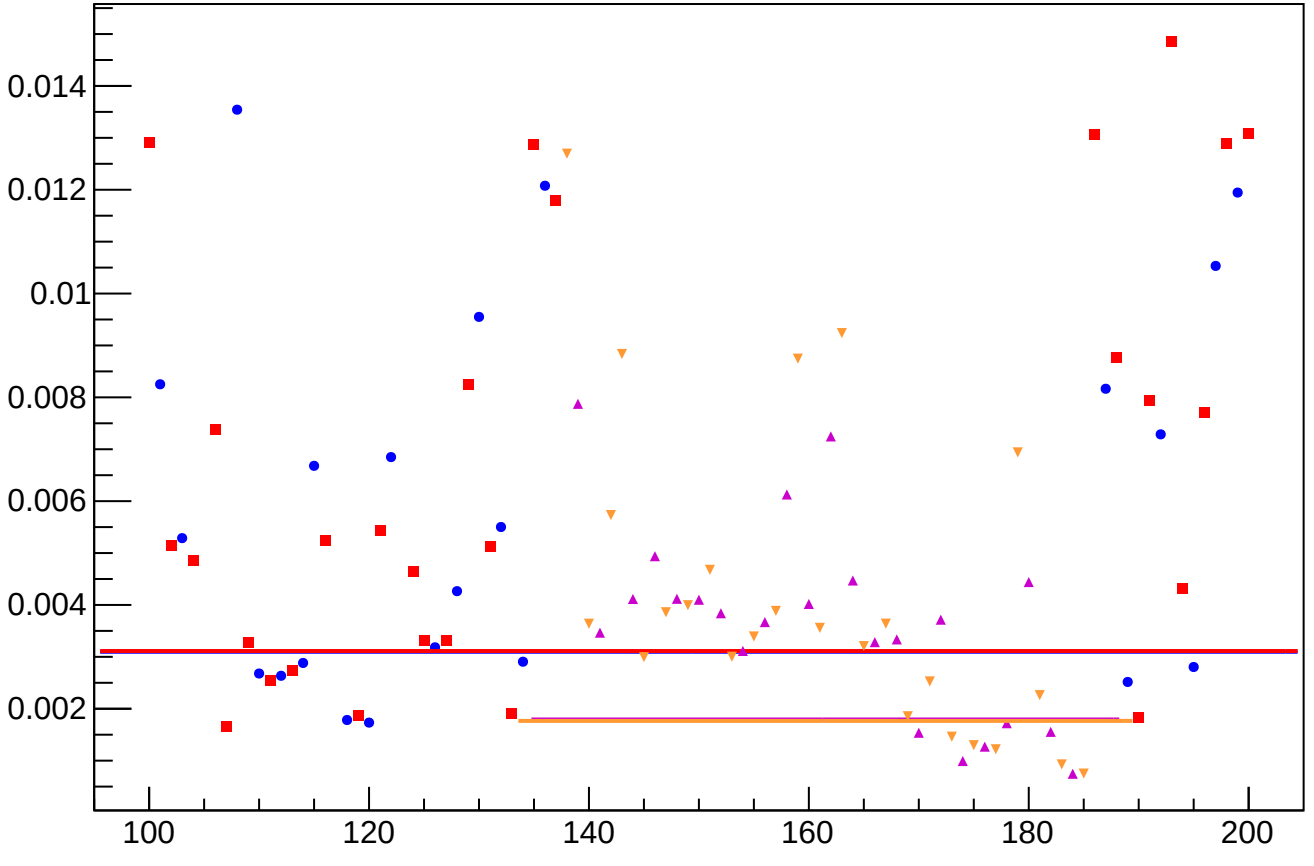
Right: -0.000+/-0.000 χ^2/NDF: 61.2/49

In: 0.000+/-0.000 χ^2/NDF:56.0/44

Out: -0.000+/-0.000 χ^2/NDF:58.8/52

All: -0.000+/-0.000 χ^2/NDF: 115.7/97

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: 6726540.3/21

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

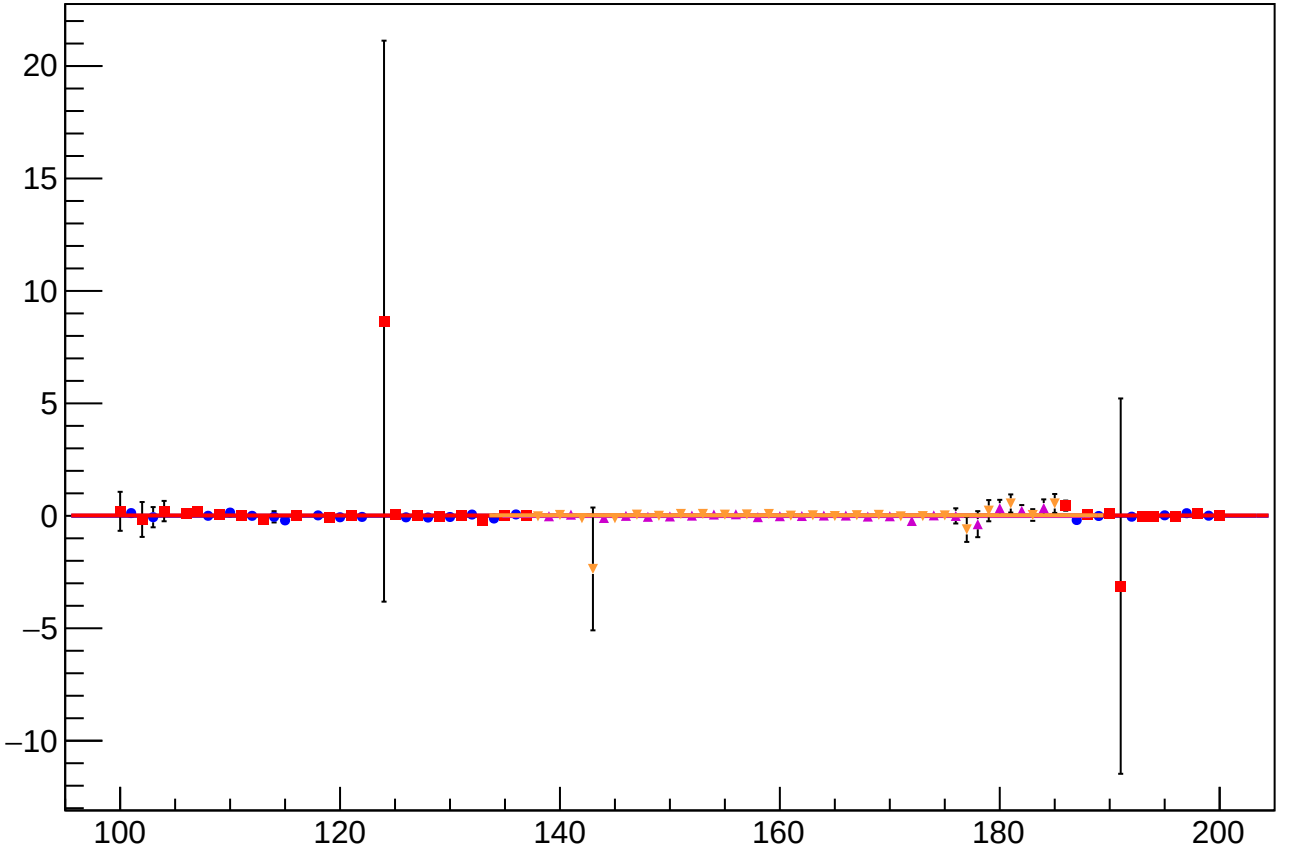
Right: 0.003+/-0.000 χ^2/NDF: 15526866.5/49

In: 0.002+/-0.000 χ^2/NDF:19630316.4/44

Out: 0.002+/-0.000 χ^2/NDF:24390381.6/52

All: 0.002+/-0.000 χ^2/NDF: 44021130.5/97

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: 24.6/21

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

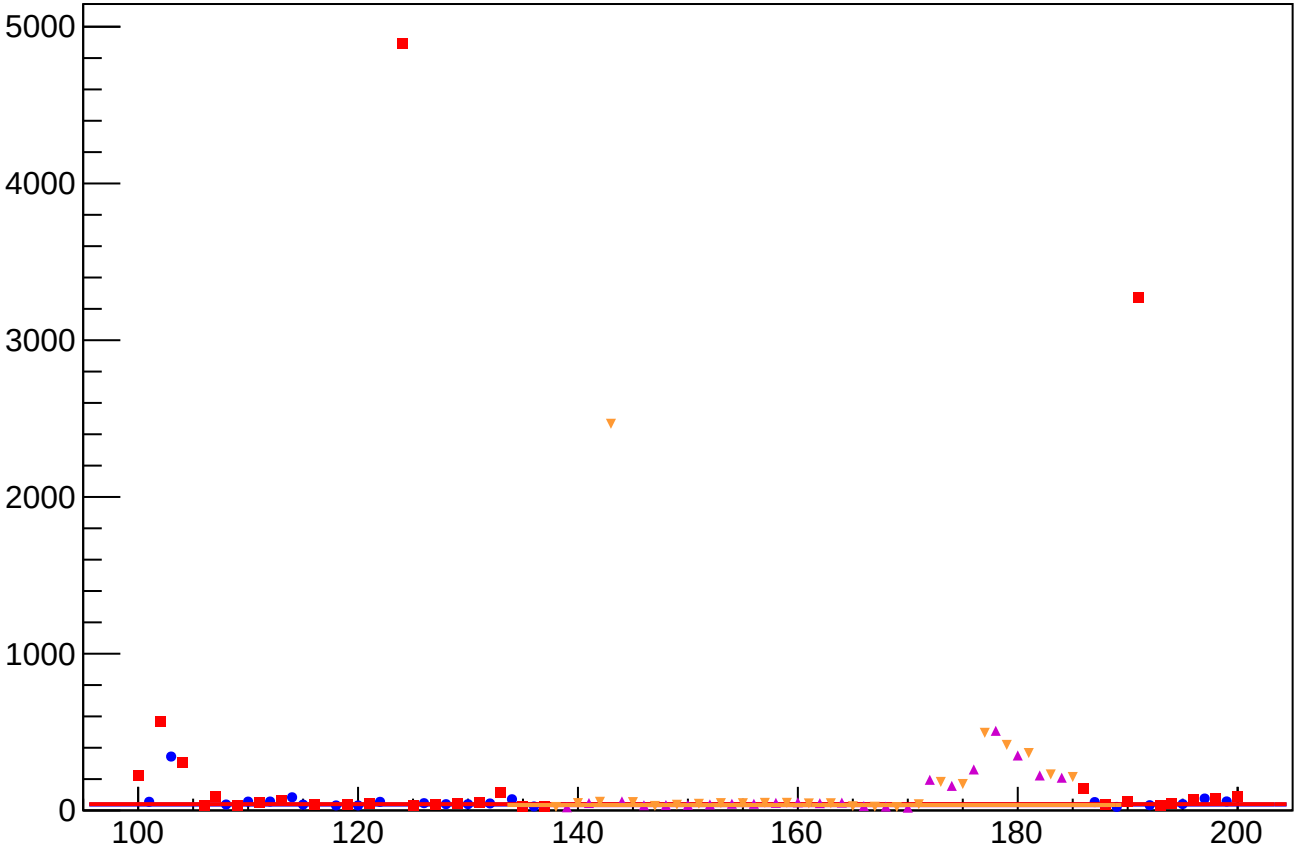
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

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

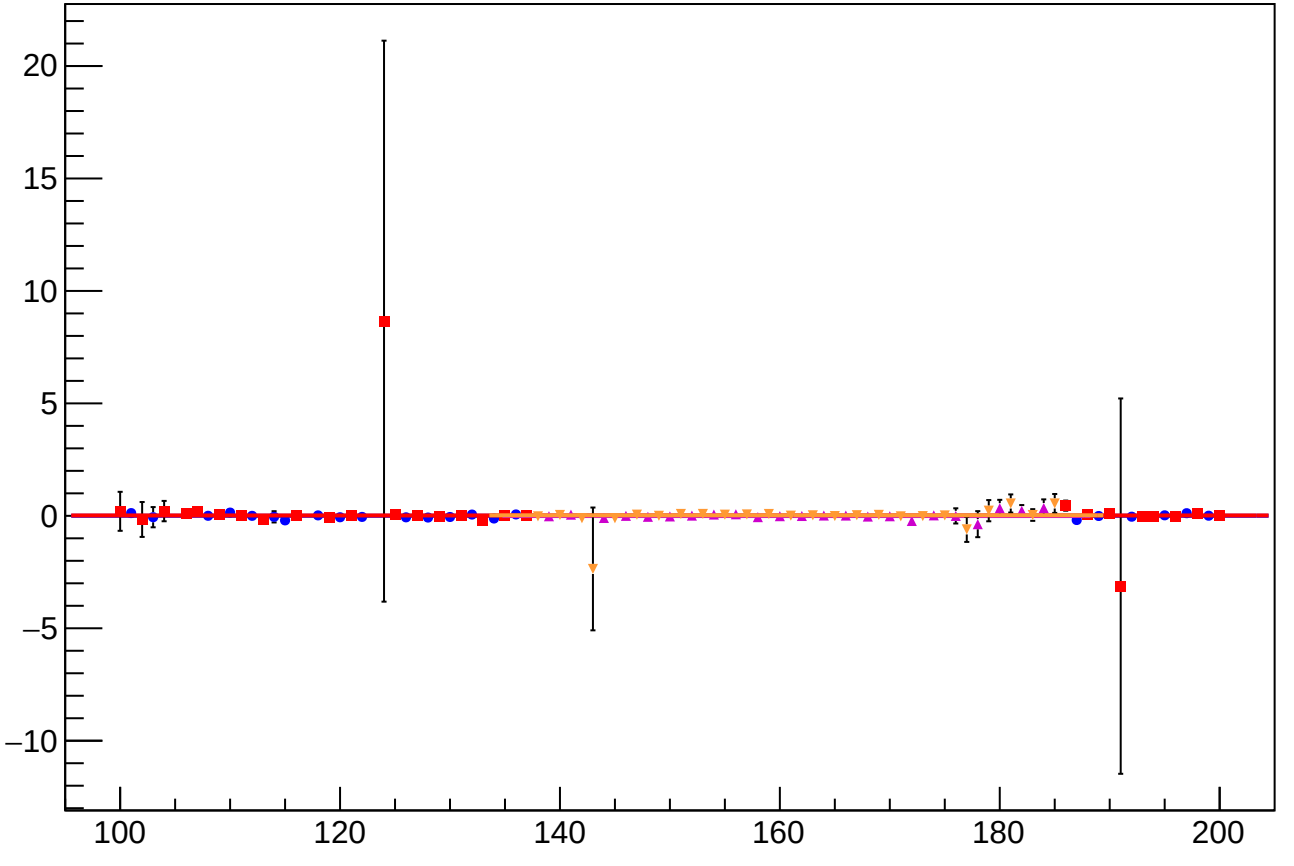
Right: 38.953+/-0.007 χ^2/NDF: 8132761.5/49

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

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: 24.6/21

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

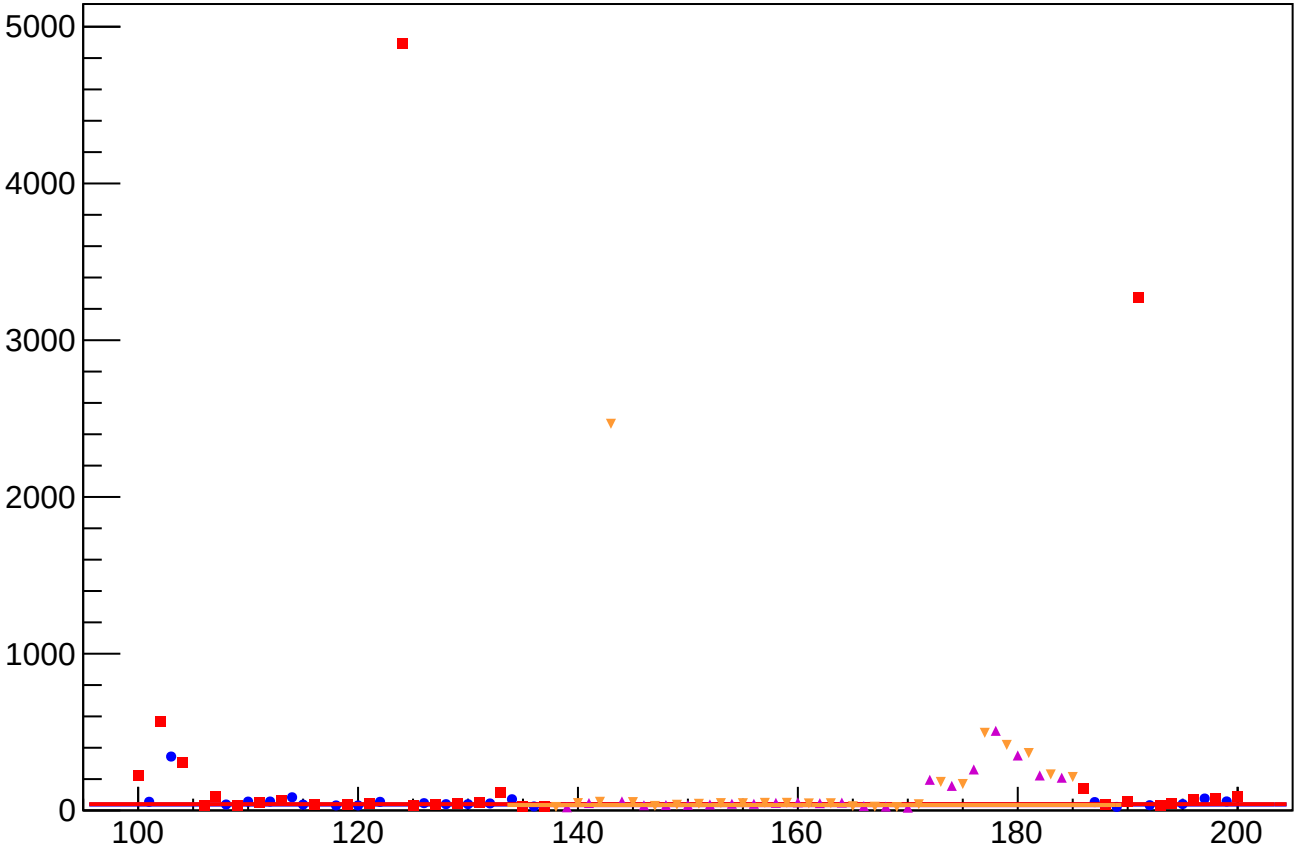
Right: 0.009+/-0.009 χ^2/NDF: 46.6/49

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/52

All: 0.008+/-0.006 χ^2/NDF: 89.7/97

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

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

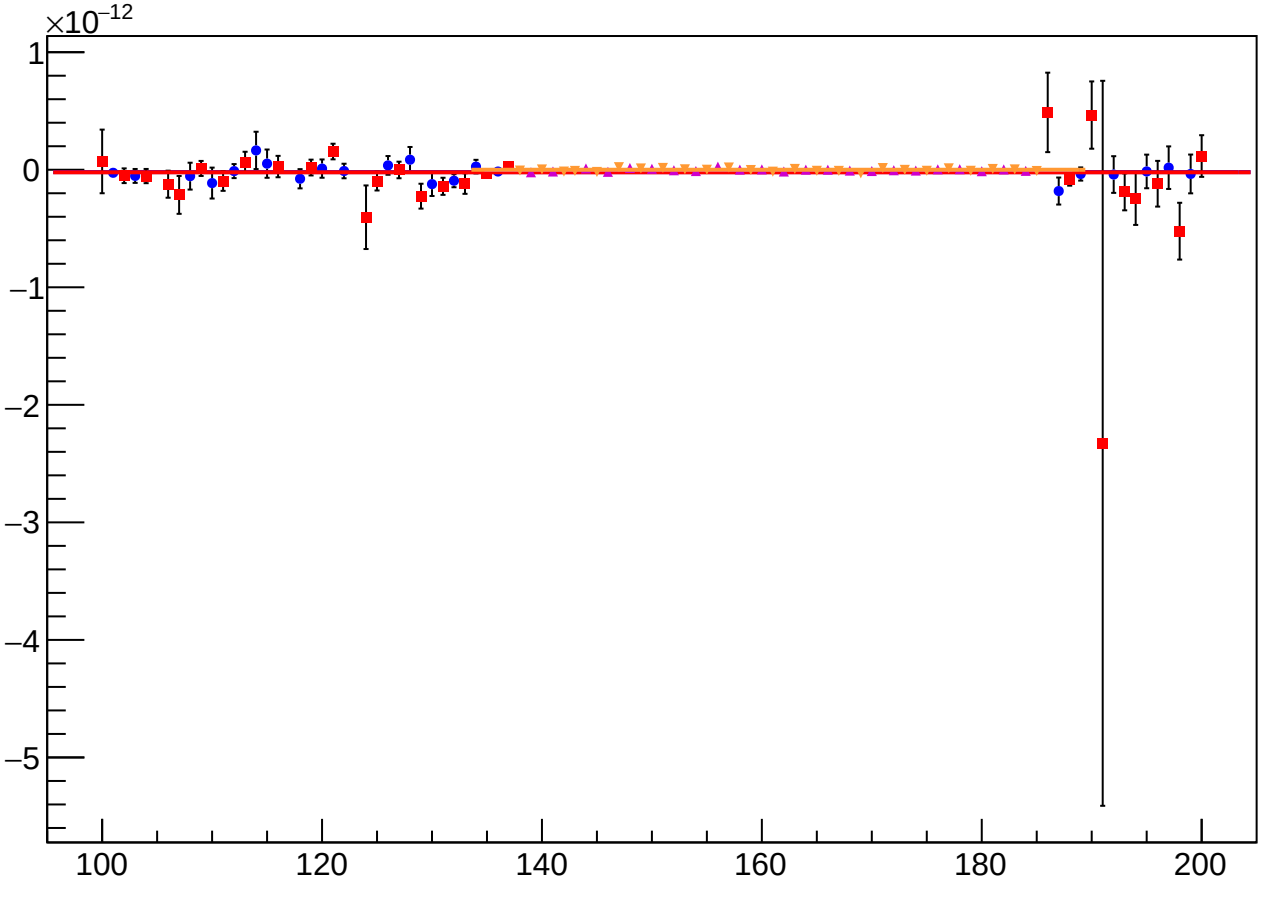
Right: 38.953+/-0.007 χ^2/NDF: 8132761.5/49

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.767+/-0.006 χ^2/NDF:16846213.1/52

All: 35.904+/-0.004 χ^2/NDF: 29958489.2/97

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/21

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

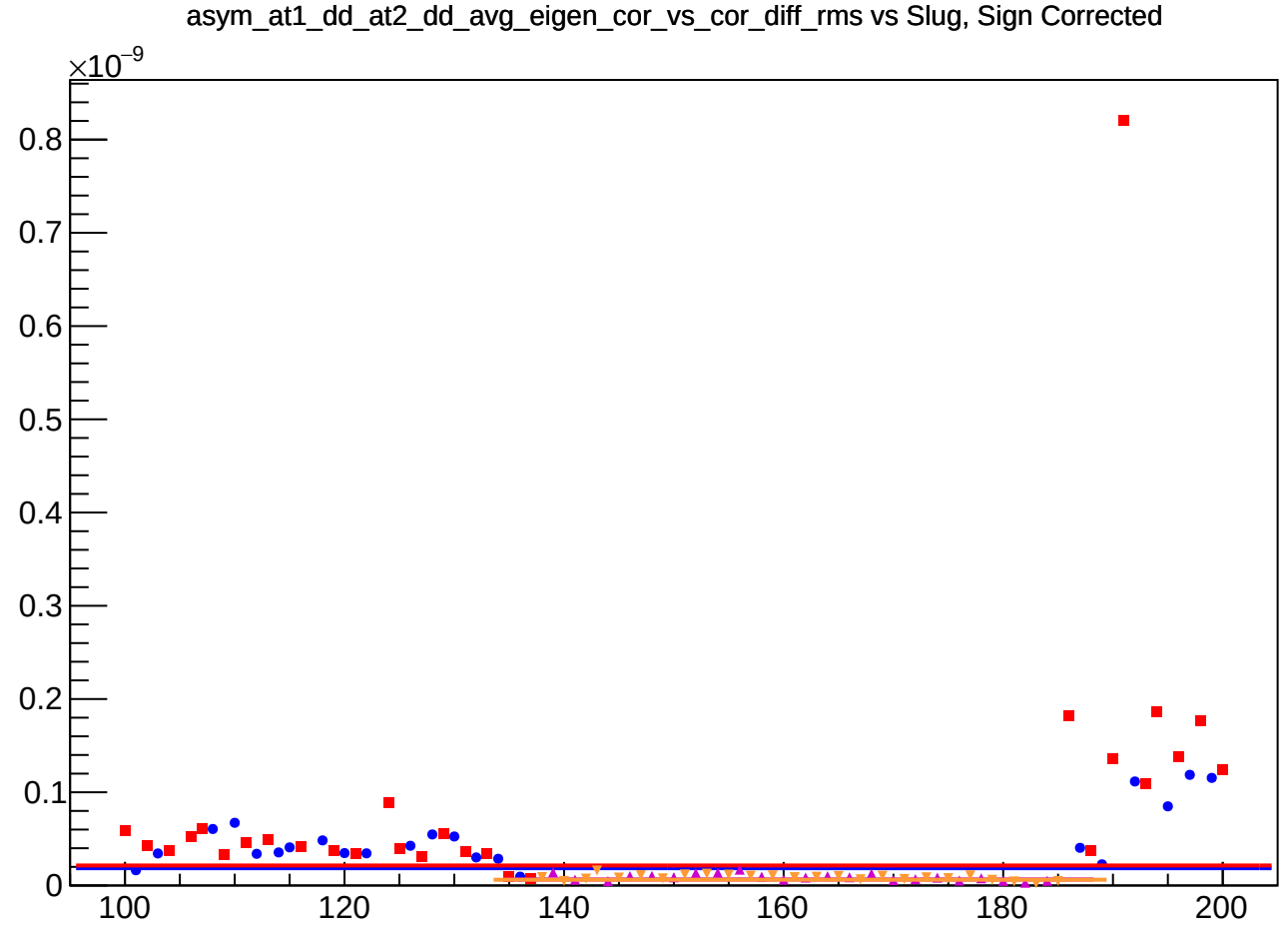
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.5/49

In: -0.000+/-0.000 χ^2/NDF:33.7/44

Out: -0.000+/-0.000 χ^2/NDF:72.0/52

All: -0.000+/-0.000 χ^2/NDF: 106.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

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

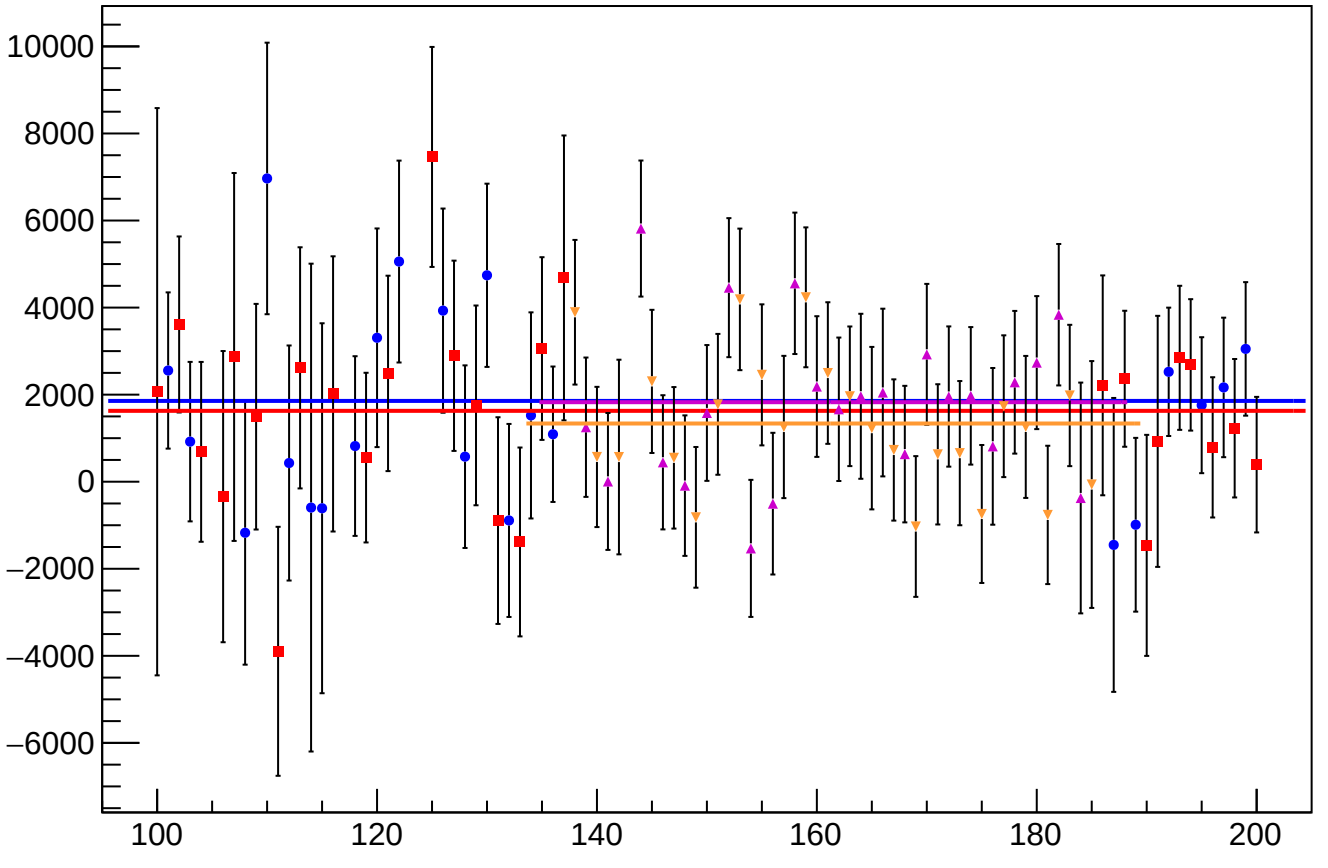
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14743805.9/49

In: 0.000+/-0.000 χ^2/NDF:12780032.8/44

Out: 0.000+/-0.000 χ^2/NDF:17895832.5/52

All: 0.000+/-0.000 χ^2/NDF: 30700766.8/97



Right In: 1855.954+/-443.809 χ^2/NDF: 16.1/21

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

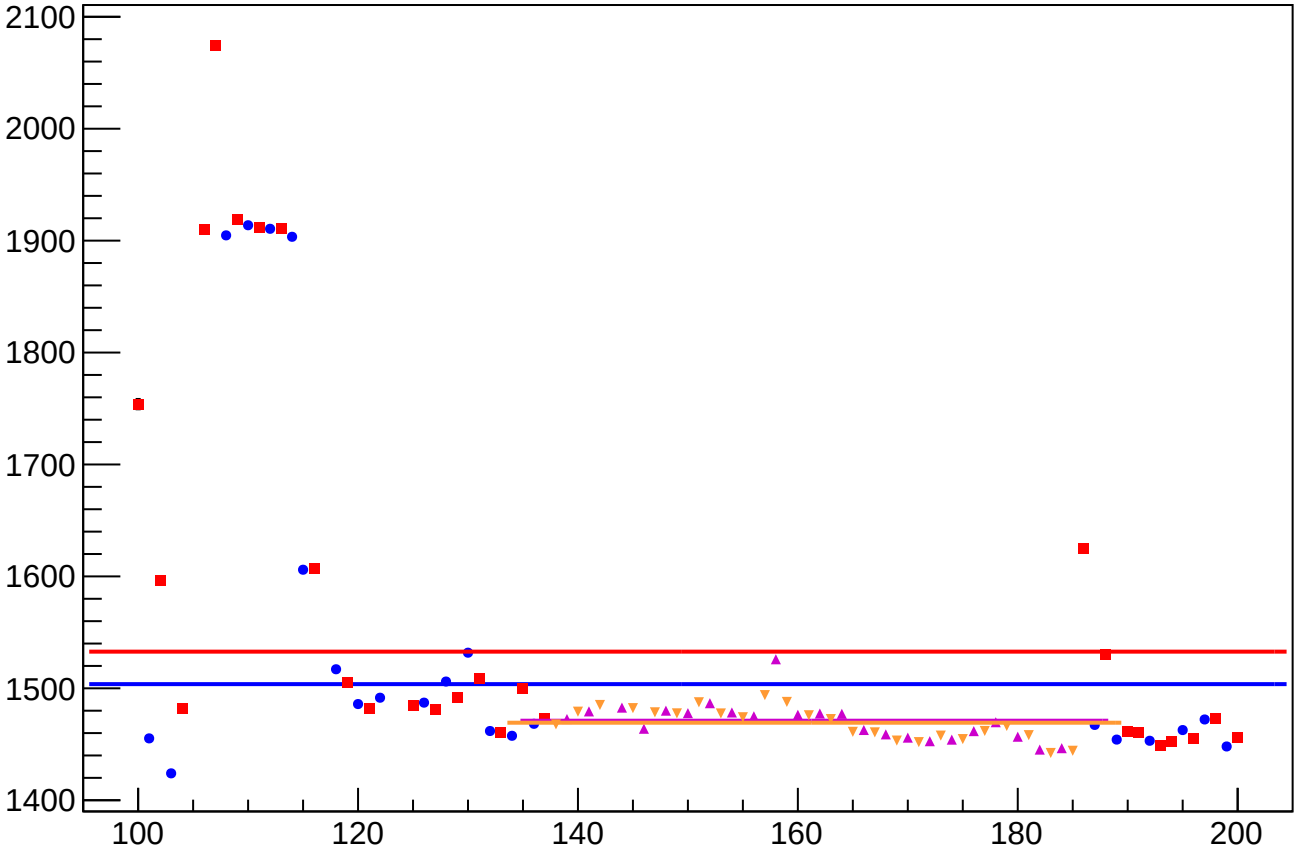
Right: 1735.224+/-304.382 χ^2/NDF: 36.0/48

In: 1837.595+/-271.633 χ^2/NDF:42.5/44

Out: 1453.205+/-264.298 χ^2/NDF:39.3/50

All: 1640.140+/-189.427 χ^2/NDF: 82.9/95

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

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

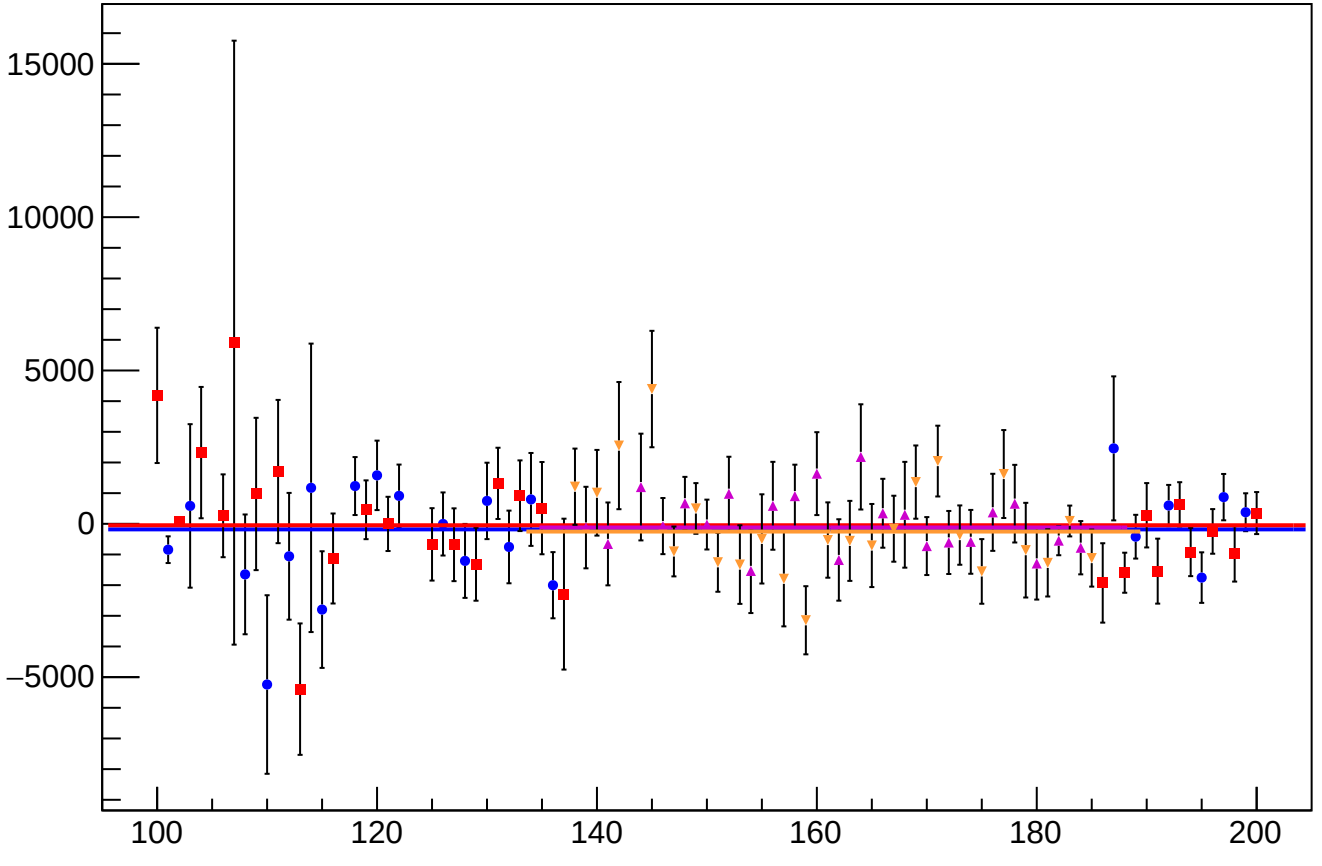
Right: 1519.114+/-0.215 χ^2/NDF: 365735.0/48

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1494.624+/-0.187 χ^2/NDF:248656.4/50

All: 1489.116+/-0.134 χ^2/NDF: 405265.3/95

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -181.186+/-205.434 χ^2/NDF: 27.9/21

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

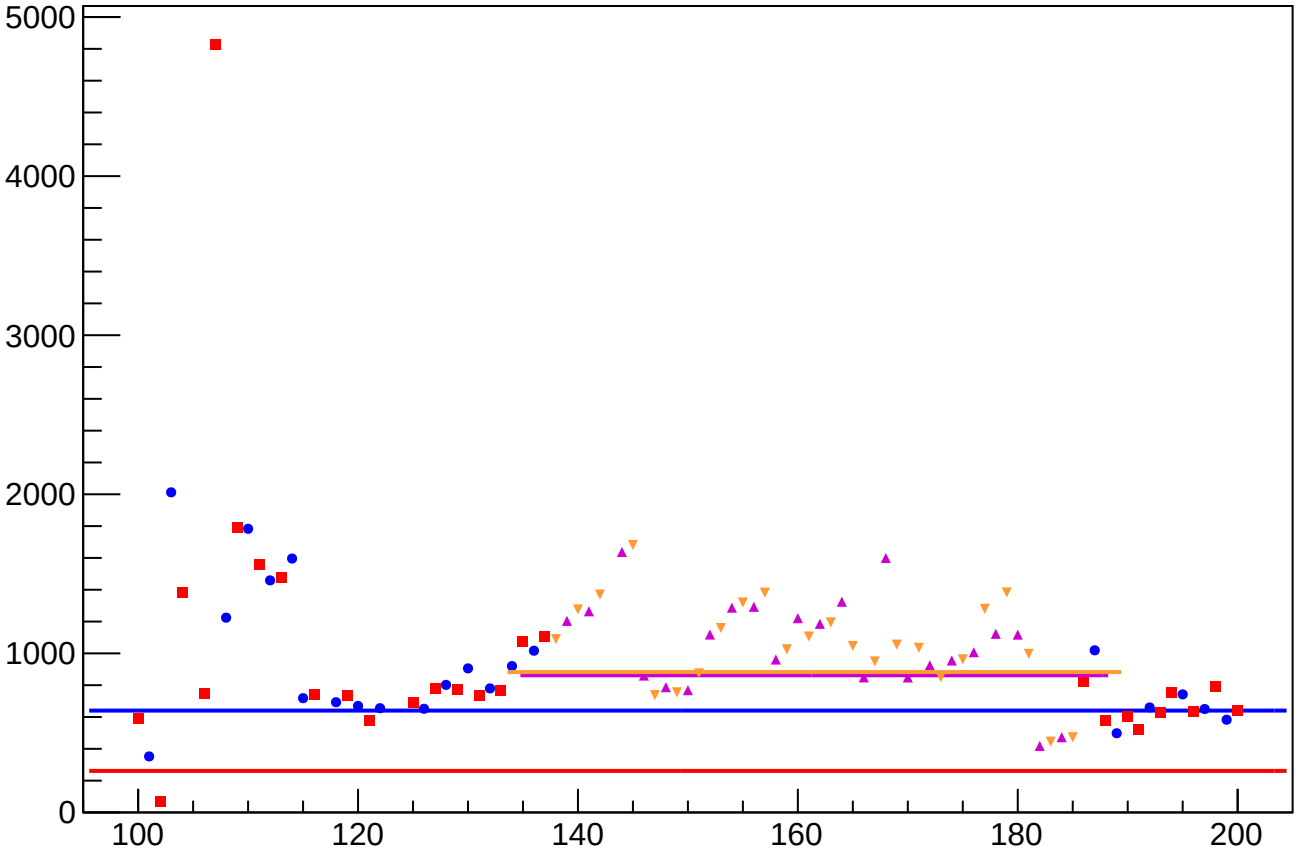
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -79.248+/-100.738 χ^2/NDF: 60.1/48

In: -152.029+/-148.851 χ^2/NDF:40.7/44

Out: -91.763+/-102.160 χ^2/NDF:65.3/50

All: -111.061+/-84.230 χ^2/NDF: 106.1/95



Right In: 640.360+/-0.145 χ^2/NDF: 2947686.1/21

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

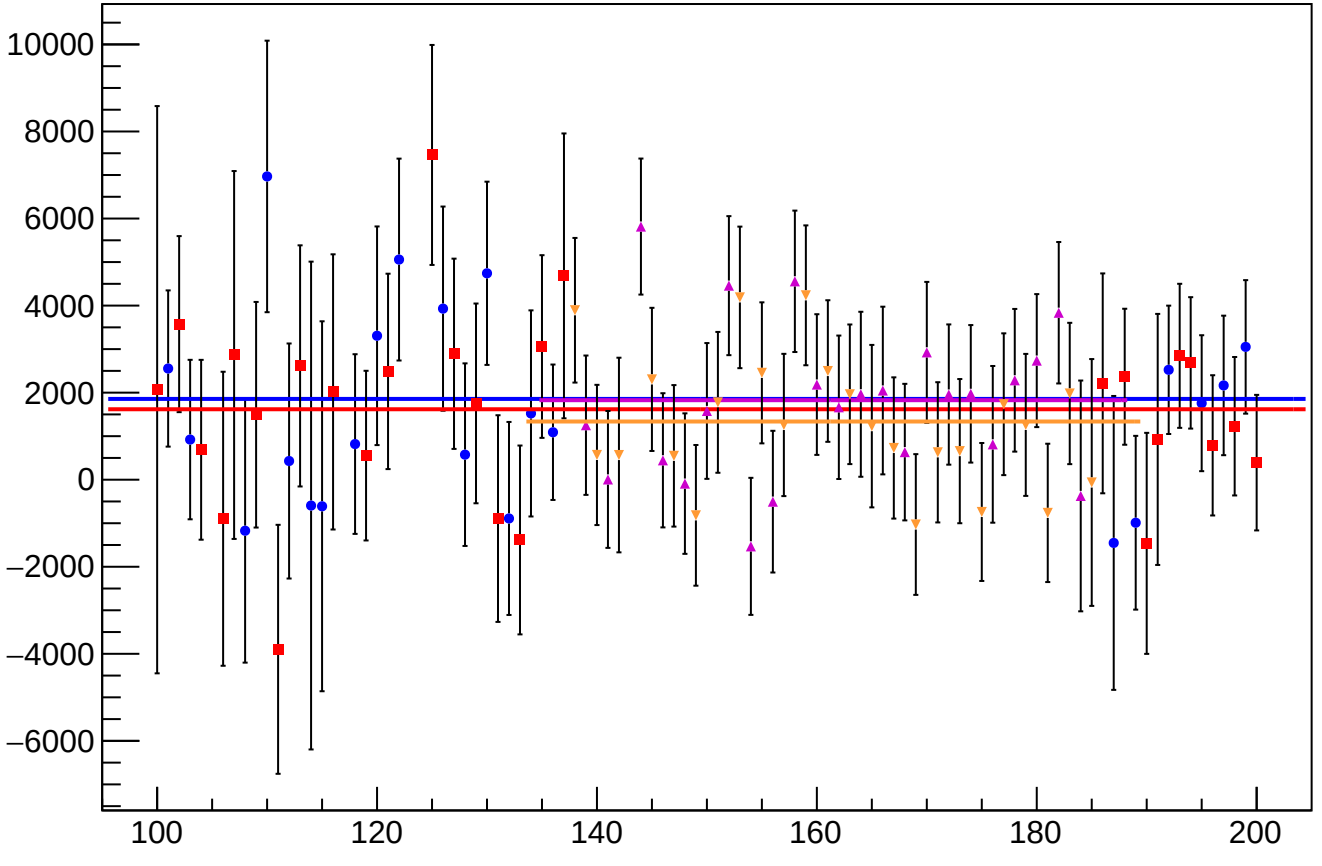
Right: 352.327+/-0.071 χ^2/NDF: 23113615.8/48

In: 745.781+/-0.105 χ^2/NDF:8425875.4/44

Out: 397.120+/-0.072 χ^2/NDF:31537160.2/50

All: 508.764+/-0.060 χ^2/NDF: 47422529.4/95

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

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

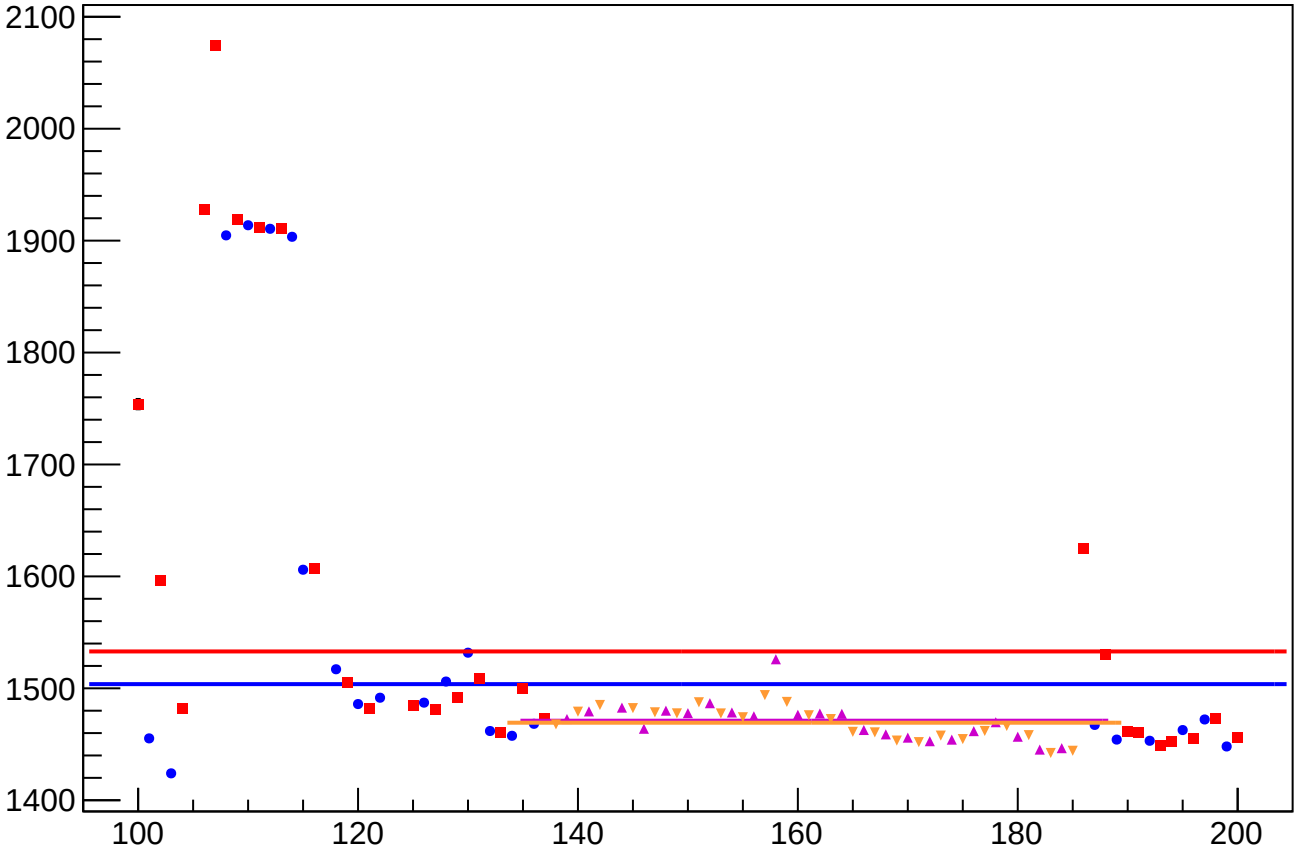
Right: 1730.235+/-304.407 χ^2/NDF: 36.2/48

In: 1837.658+/-271.633 χ^2/NDF:42.5/44

Out: 1449.382+/-264.314 χ^2/NDF:39.4/50

All: 1638.219+/-189.433 χ^2/NDF: 83.0/95

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

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

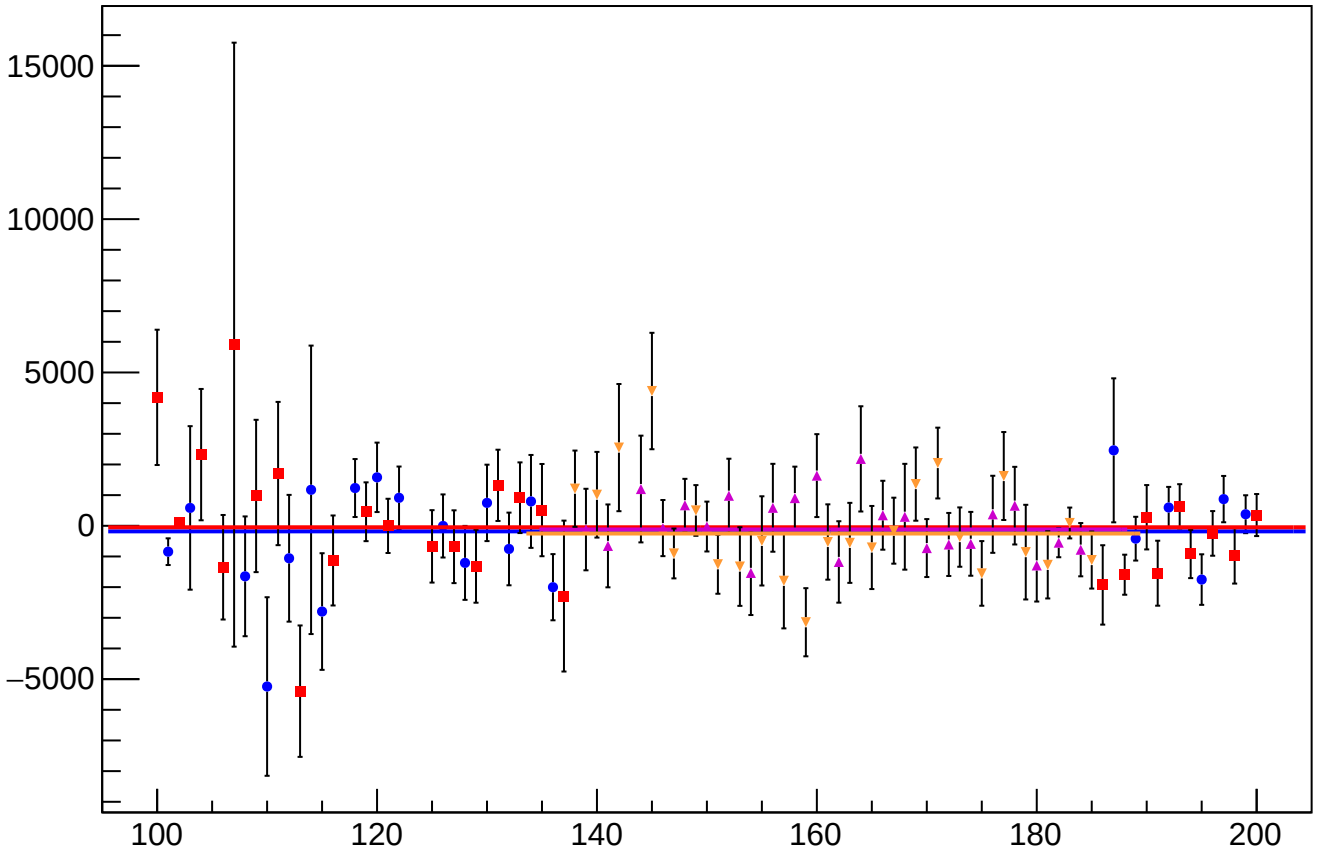
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1519.206+/-0.215 χ^2/NDF: 367800.4/48

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1494.690+/-0.187 χ^2/NDF:250816.3/50

All: 1489.150+/-0.134 χ^2/NDF: 407445.9/95



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

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

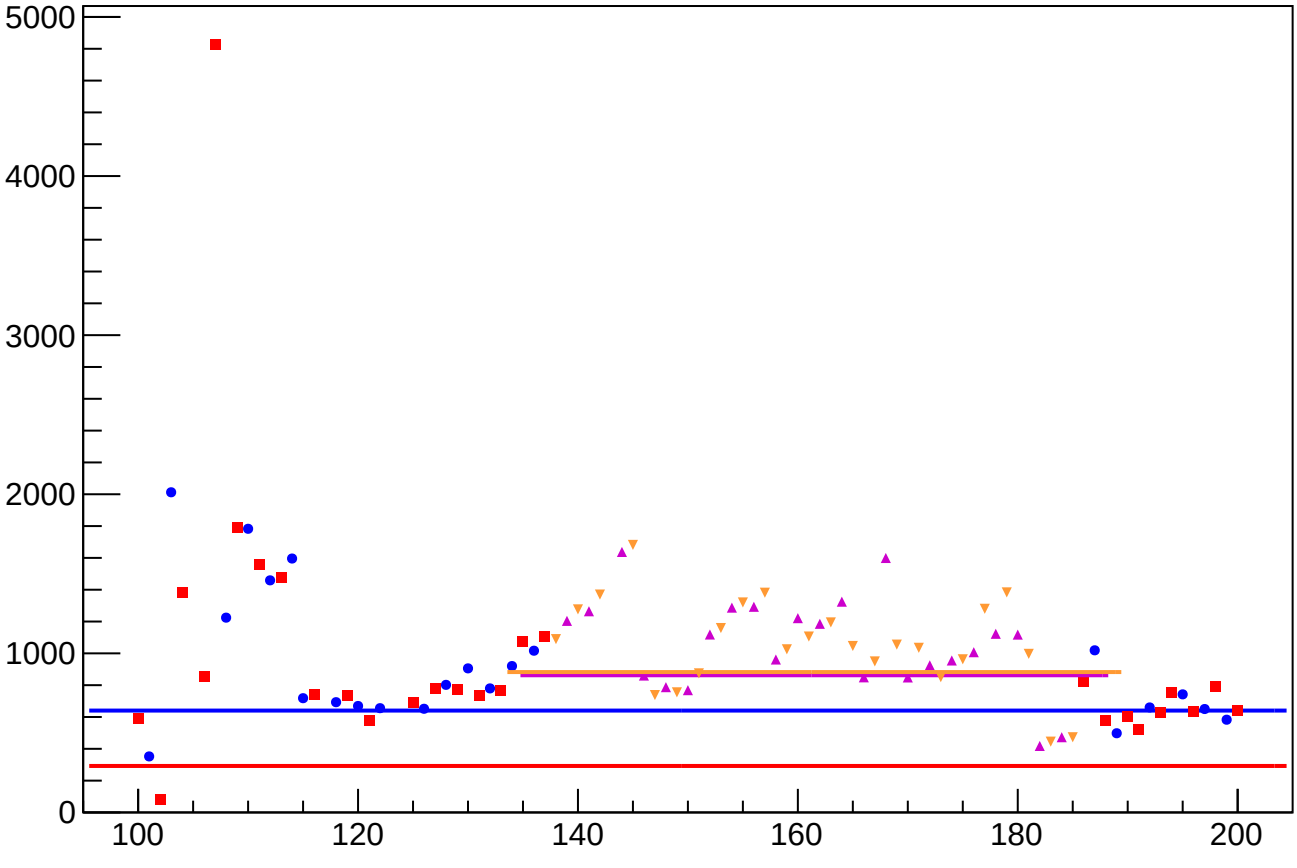
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -83.279+/-105.630 χ^2/NDF: 60.9/48

In: -151.991+/-148.851 χ^2/NDF:40.7/44

Out: -97.230+/-107.273 χ^2/NDF:66.1/50

All: -115.950+/-87.028 χ^2/NDF: 106.9/95



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

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

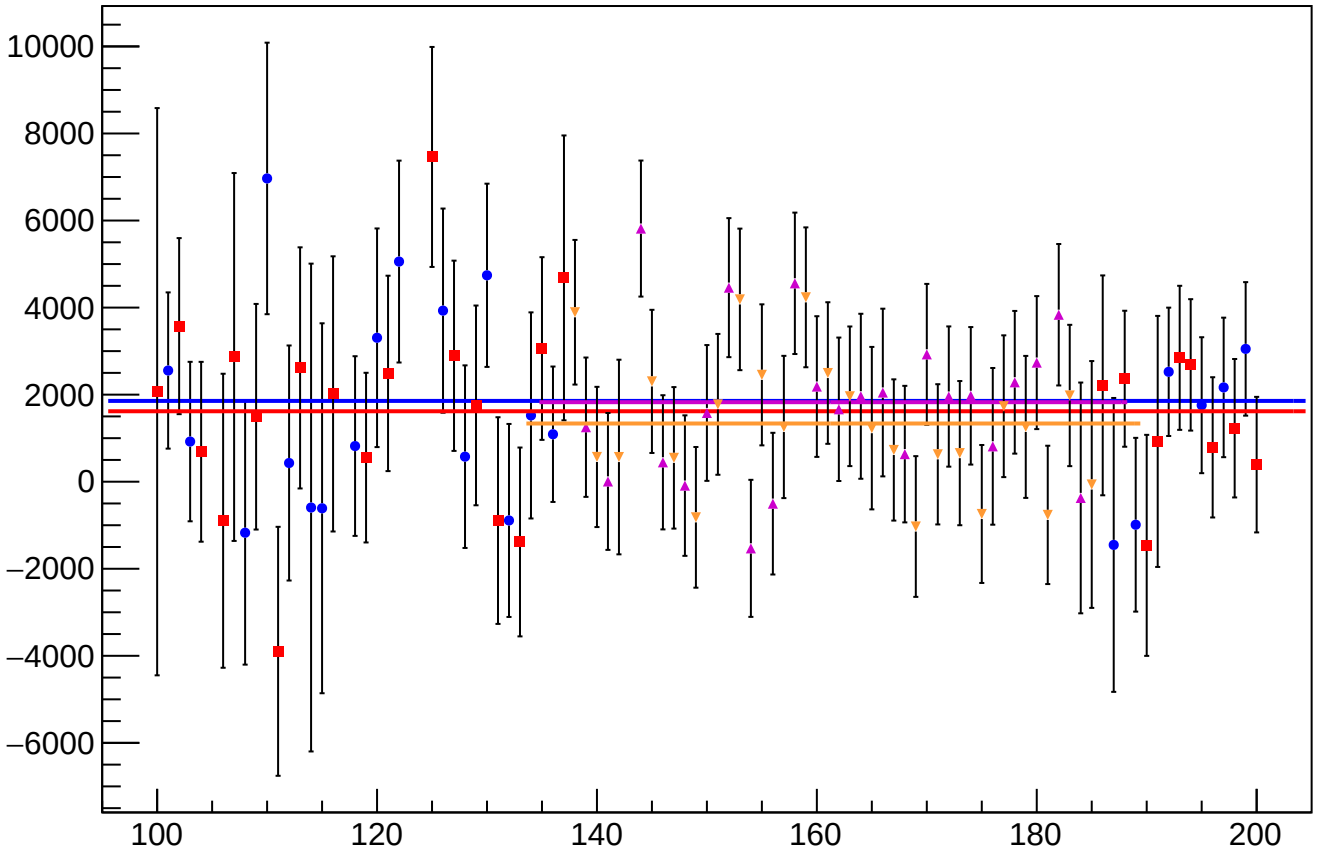
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 384.272+/-0.075 χ^2/NDF: 21046432.2/48

In: 745.781+/-0.105 χ^2/NDF:8425970.6/44

Out: 434.661+/-0.076 χ^2/NDF:28859225.9/50

All: 541.012+/-0.062 χ^2/NDF: 43035842.5/95



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

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

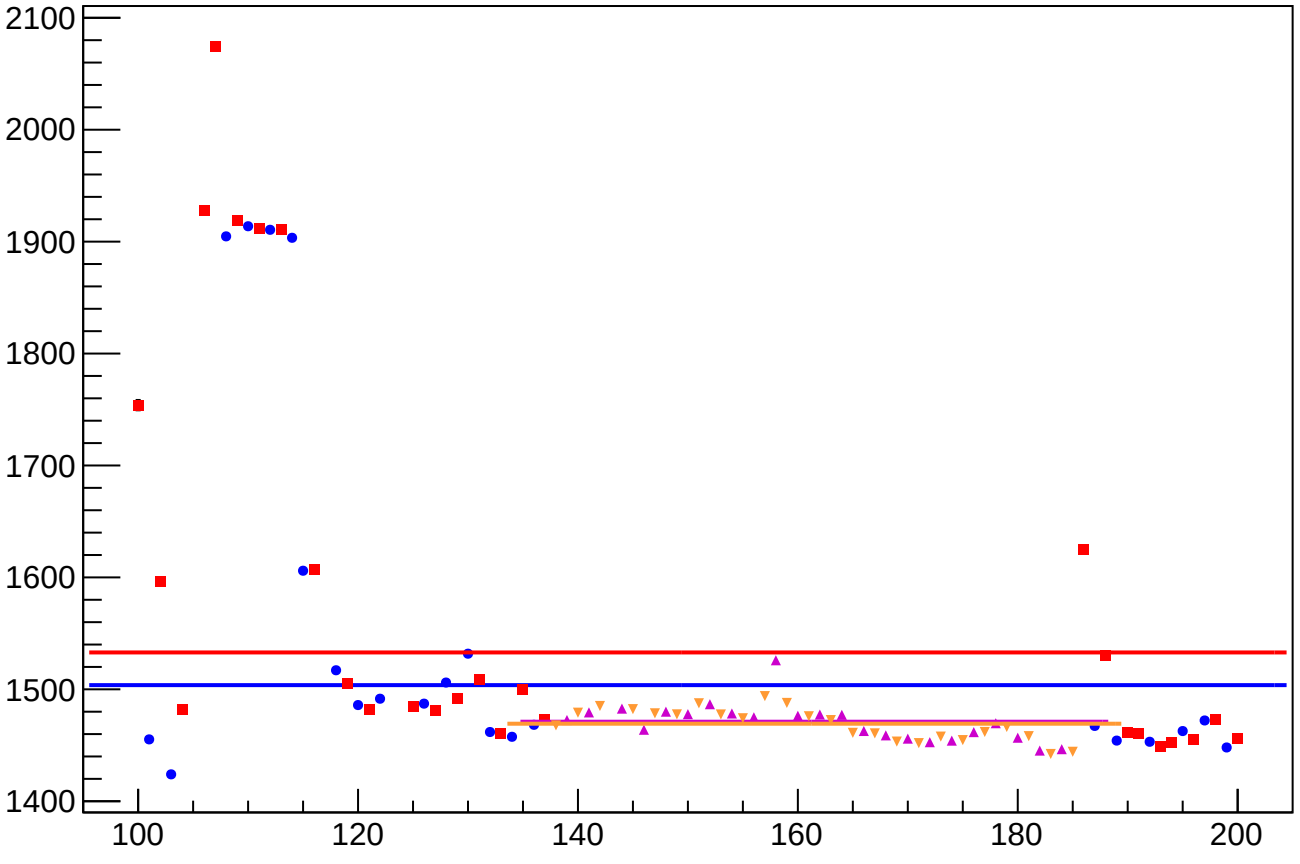
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1730.235+/-304.407 χ^2/NDF: 36.2/48

In: 1837.658+/-271.633 χ^2/NDF:42.5/44

Out: 1449.382+/-264.314 χ^2/NDF:39.4/50

All: 1638.219+/-189.433 χ^2/NDF: 83.0/95



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

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

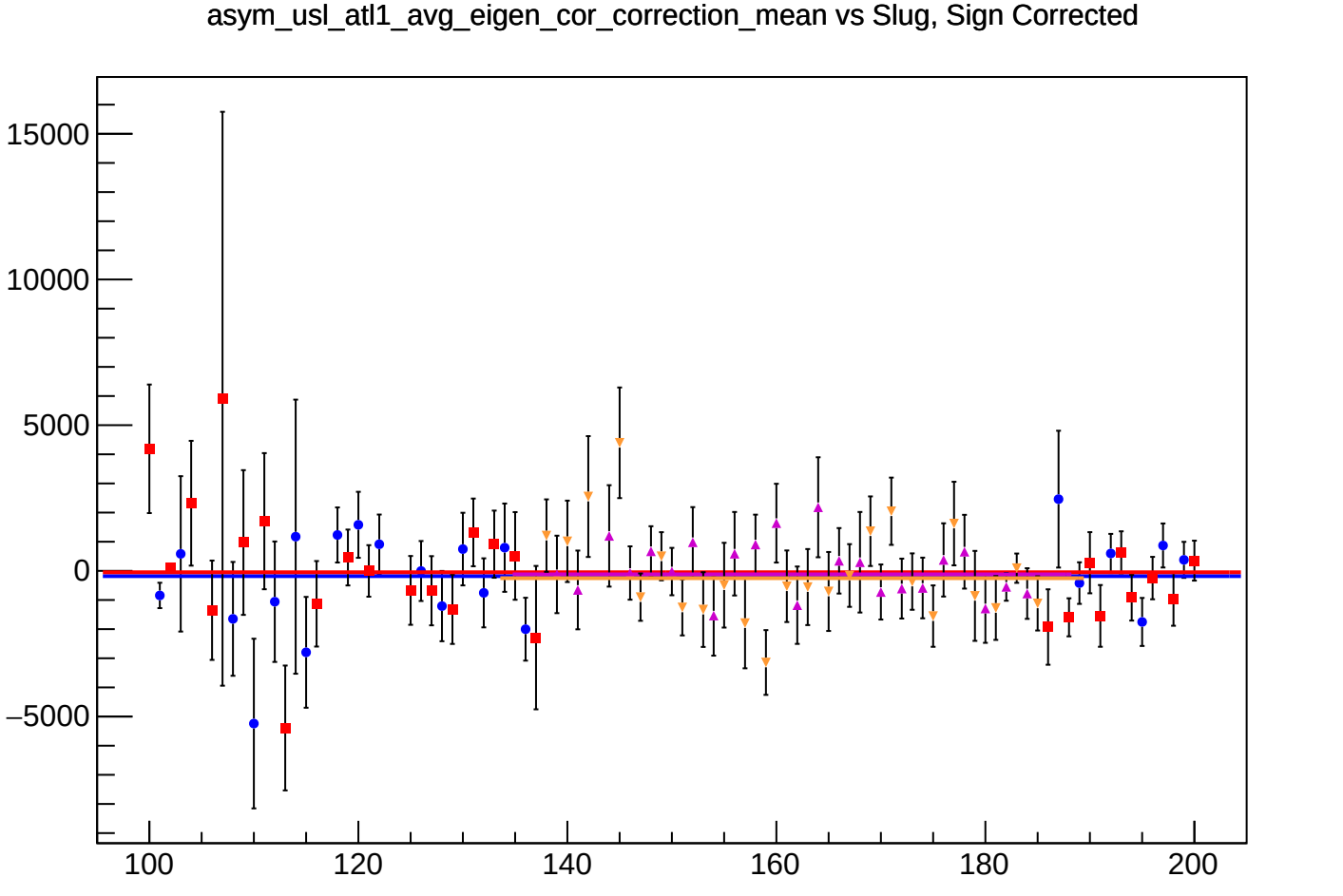
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1519.206+/-0.215 χ^2/NDF: 367800.4/48

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1494.690+/-0.187 χ^2/NDF:250816.3/50

All: 1489.150+/-0.134 χ^2/NDF: 407445.9/95



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

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

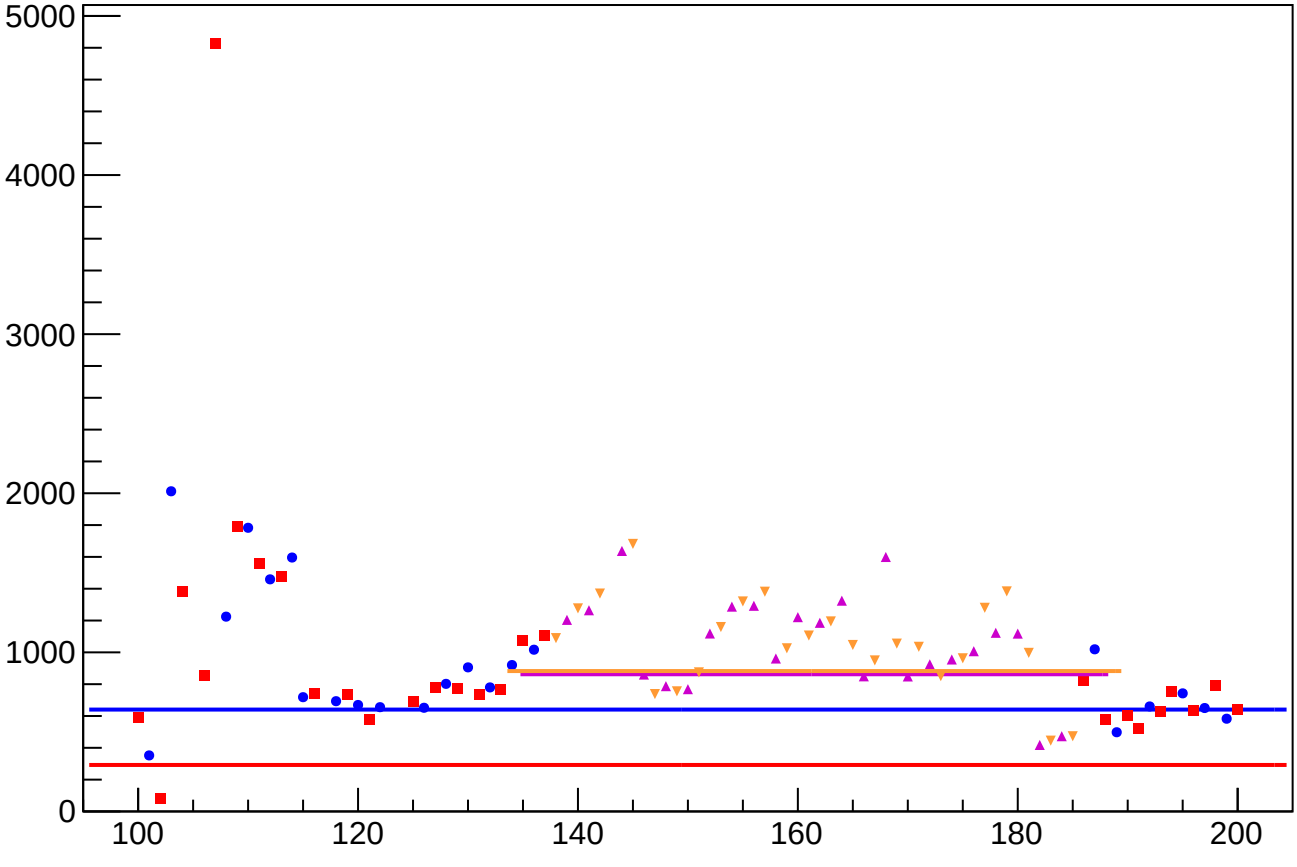
Right: -83.279+/-105.630 χ^2/NDF: 60.9/48

In: -151.991+/-148.851 χ^2/NDF:40.7/44

Out: -97.230+/-107.273 χ^2/NDF:66.1/50

All: -115.950+/-87.028 χ^2/NDF: 106.9/95

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

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

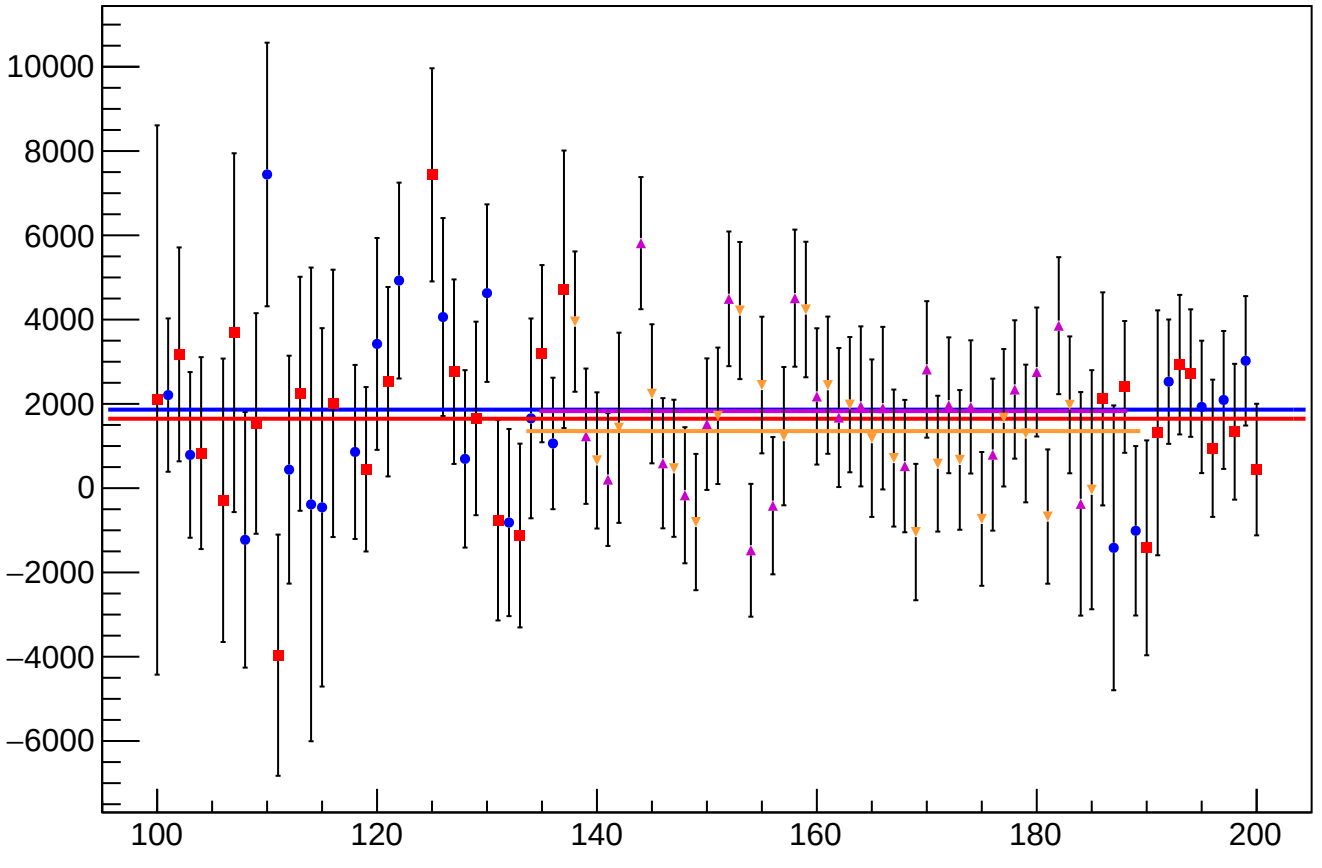
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 384.272+/-0.075 χ^2/NDF: 21046432.2/48

In: 745.781+/-0.105 χ^2/NDF:8425970.6/44

Out: 434.661+/-0.076 χ^2/NDF:28859225.9/50

All: 541.012+/-0.062 χ^2/NDF: 43035842.5/95



Right In: 1863.762+/-447.479 χ^2/NDF: 16.1/21

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

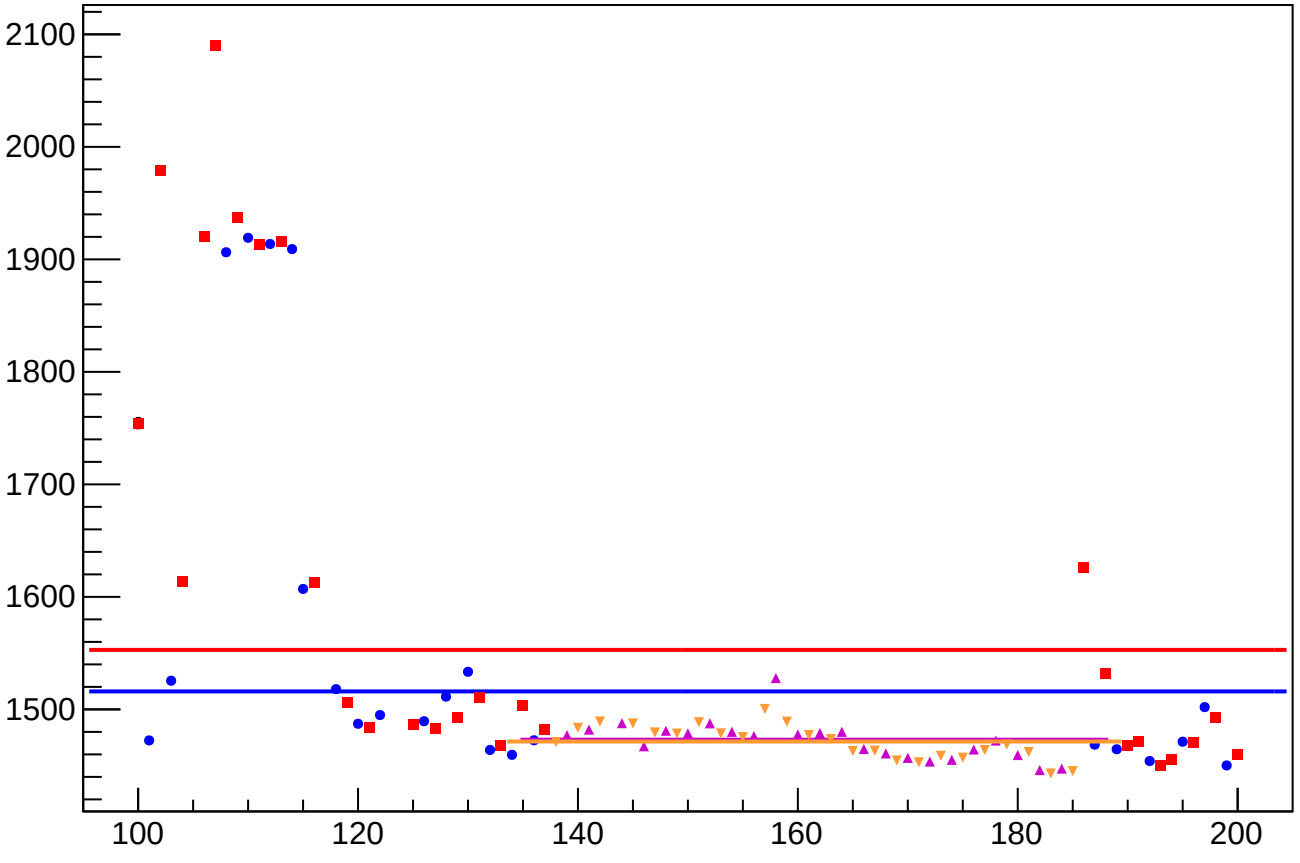
Right: 1749.904+/-308.029 χ^2/NDF: 34.9/48

In: 1841.439+/-272.702 χ^2/NDF:41.9/44

Out: 1469.050+/-266.156 χ^2/NDF:37.9/50

All: 1650.721+/-190.473 χ^2/NDF: 80.8/95

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1515.973+/-0.316 χ^2/NDF: 136774.1/21

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

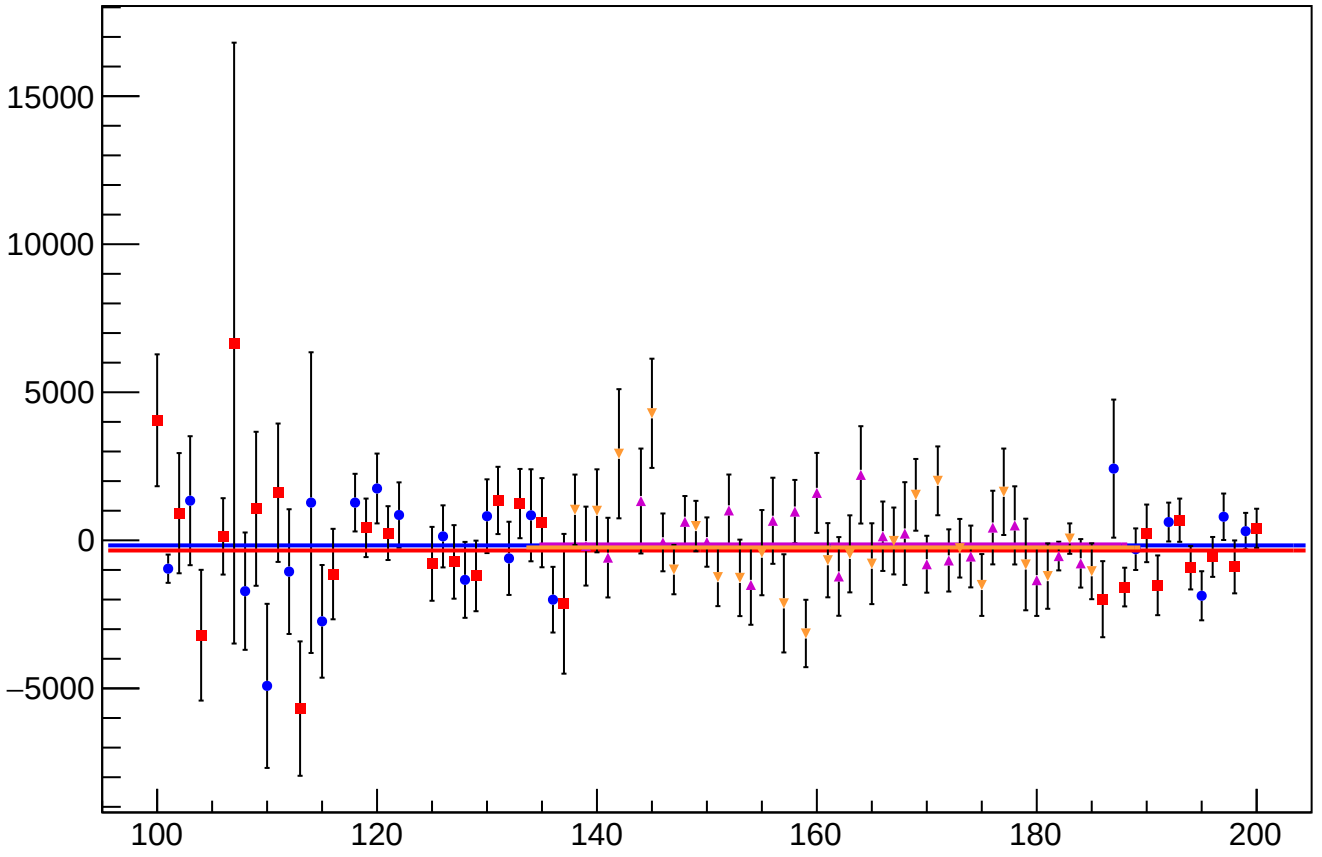
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1535.400+/-0.218 χ^2/NDF: 419502.7/48

In: 1488.990+/-0.193 χ^2/NDF:153093.5/44

Out: 1503.436+/-0.188 χ^2/NDF:323684.8/50

All: 1496.389+/-0.135 χ^2/NDF: 479652.5/95



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

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

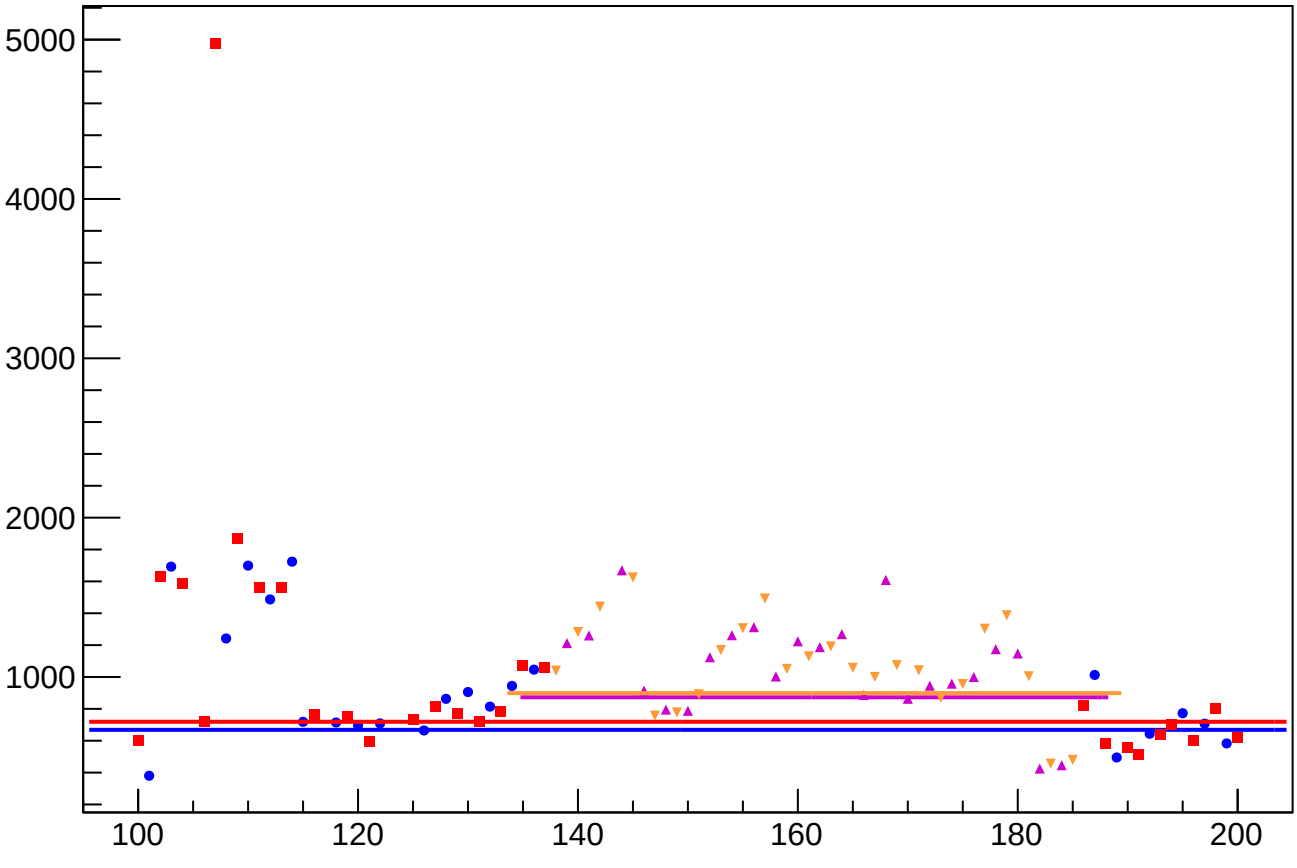
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -258.191+/-148.300 χ^2/NDF: 60.2/48

In: -155.288+/-151.850 χ^2/NDF:41.4/44

Out: -294.824+/-151.828 χ^2/NDF:64.0/50

All: -225.066+/-107.366 χ^2/NDF: 105.8/95



Right In: 668.380+/-0.149 χ^2/NDF: 2699646.3/21

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 718.926+/-0.147 χ^2/NDF: 2601936.4/26

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

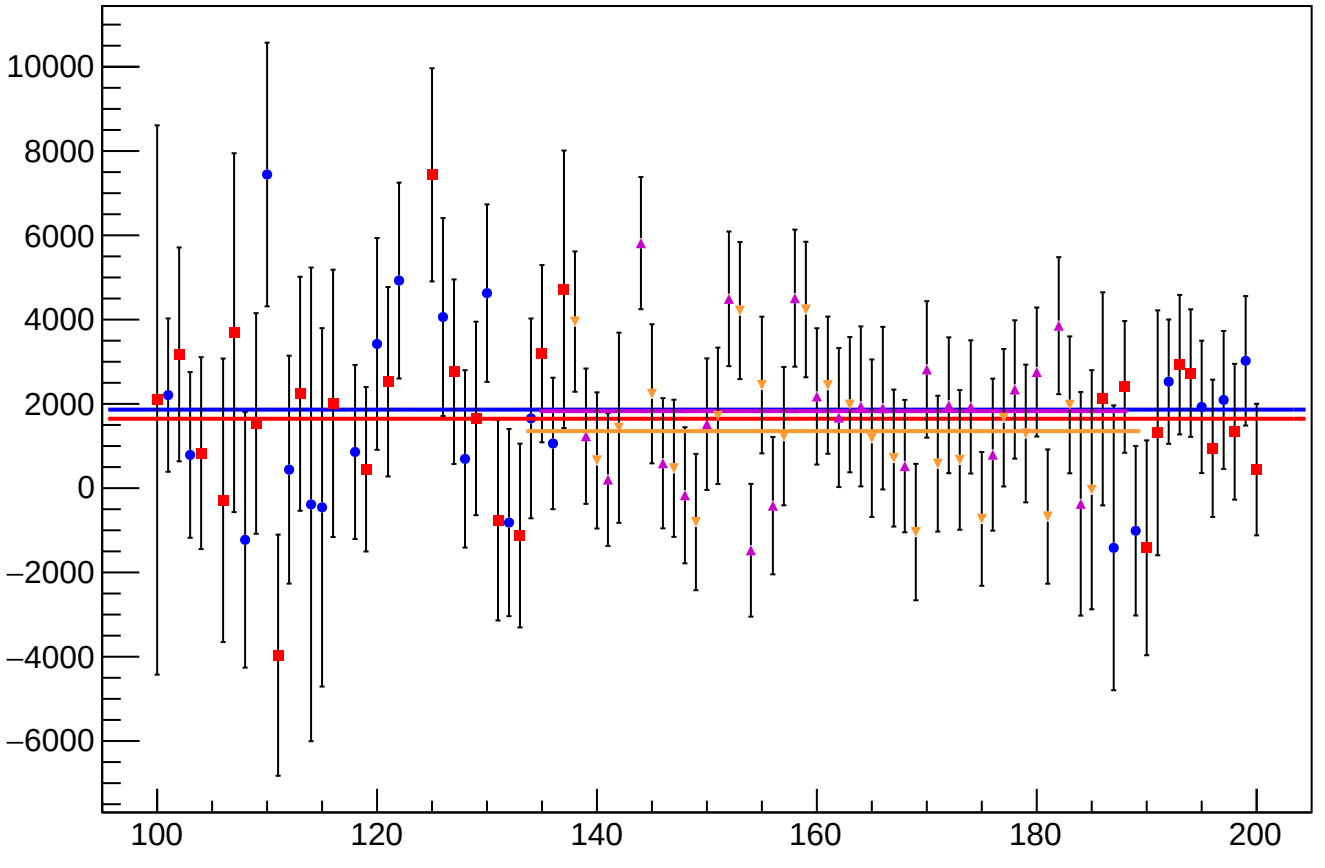
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 694.005+/-0.105 χ^2/NDF: 5359657.3/48

In: 766.972+/-0.107 χ^2/NDF:8037348.9/44

Out: 803.243+/-0.107 χ^2/NDF:7092865.6/50

All: 785.110+/-0.076 χ^2/NDF: 15187278.7/95



Right In: 1863.761+/-447.479 χ^2/NDF: 16.1/21

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

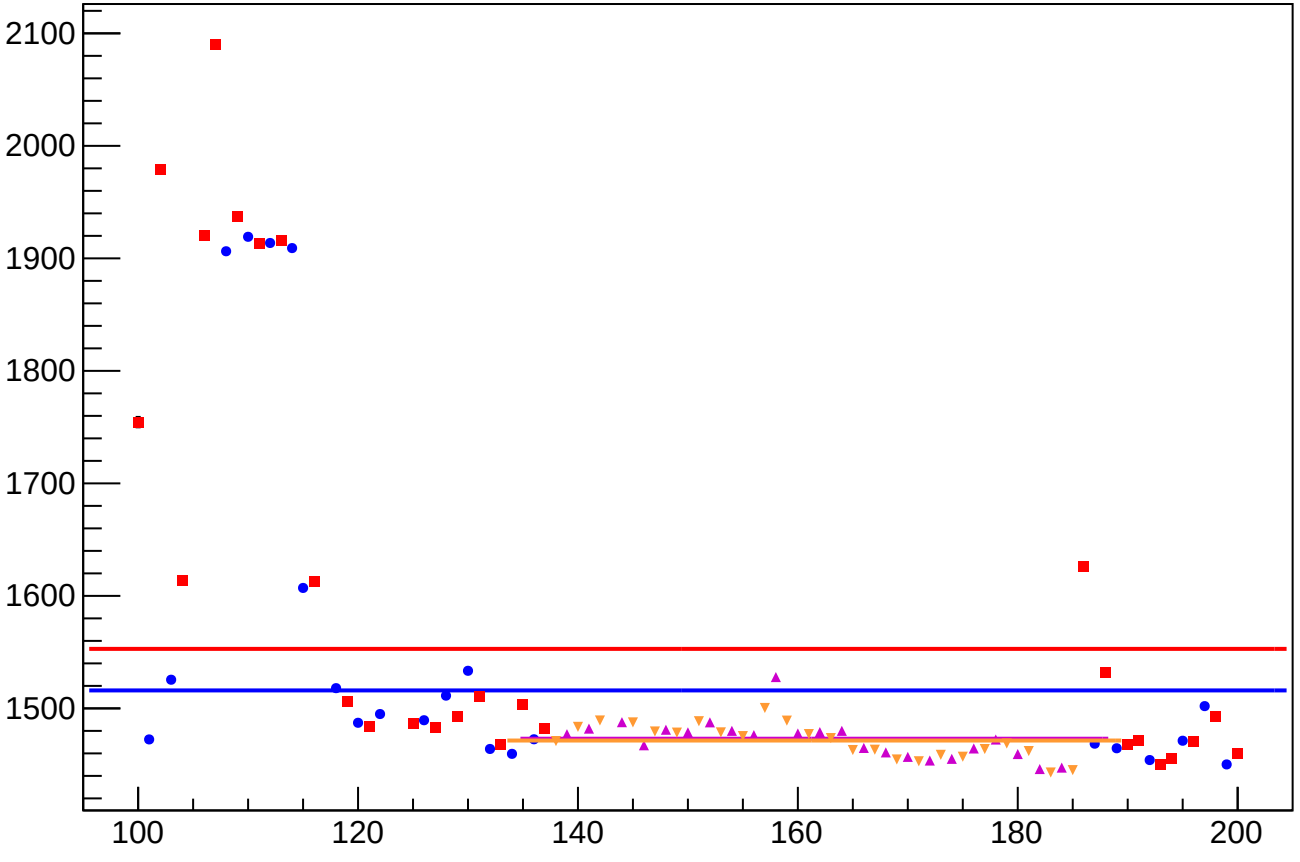
Right: 1749.902+/-308.029 χ^2/NDF: 34.9/48

In: 1841.439+/-272.702 χ^2/NDF:41.9/44

Out: 1469.049+/-266.156 χ^2/NDF:37.9/50

All: 1650.720+/-190.473 χ^2/NDF: 80.8/95

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1515.972+/-0.316 χ^2/NDF: 136774.0/21

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

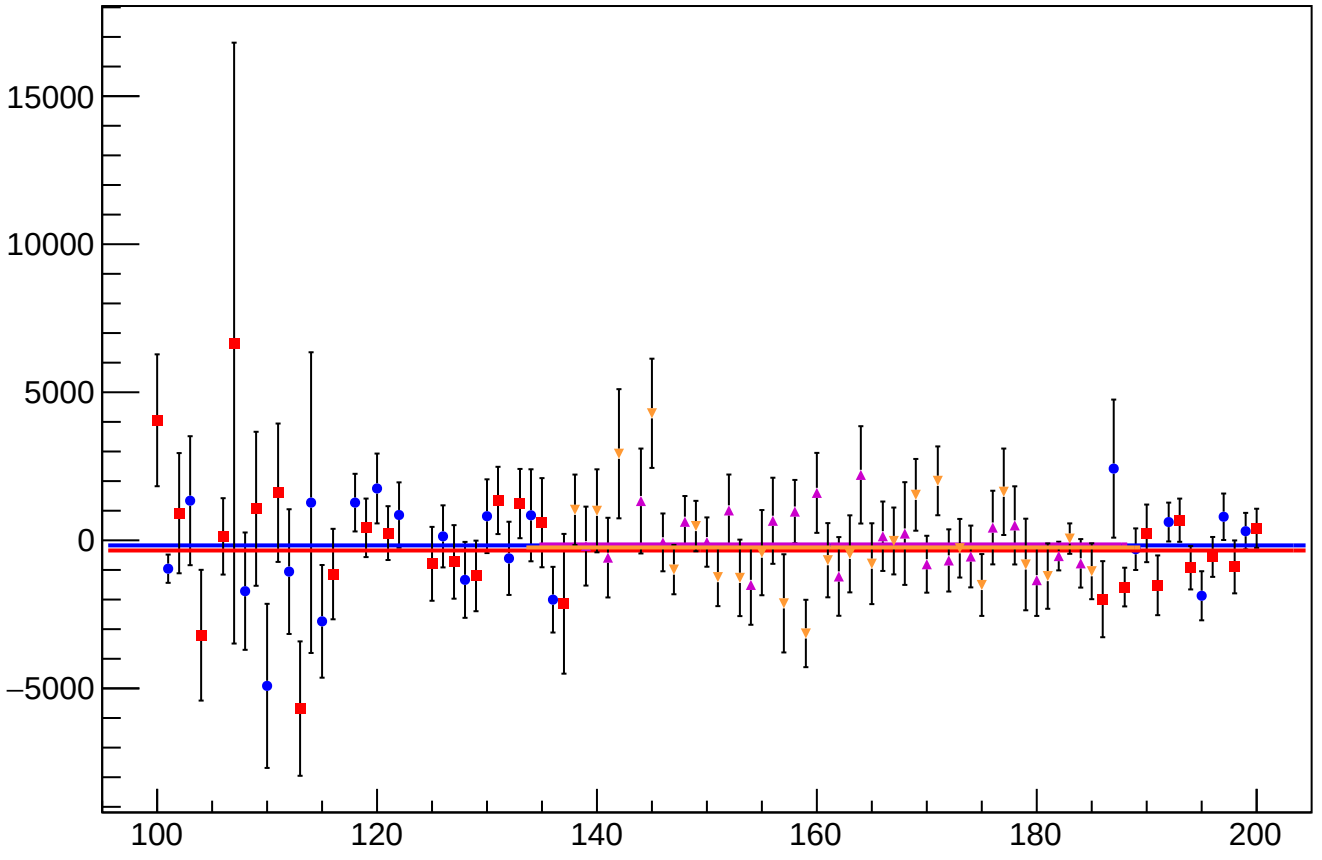
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1535.400+/-0.218 χ^2/NDF: 419502.3/48

In: 1488.990+/-0.193 χ^2/NDF:153093.3/44

Out: 1503.436+/-0.188 χ^2/NDF:323684.3/50

All: 1496.389+/-0.135 χ^2/NDF: 479651.9/95



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

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

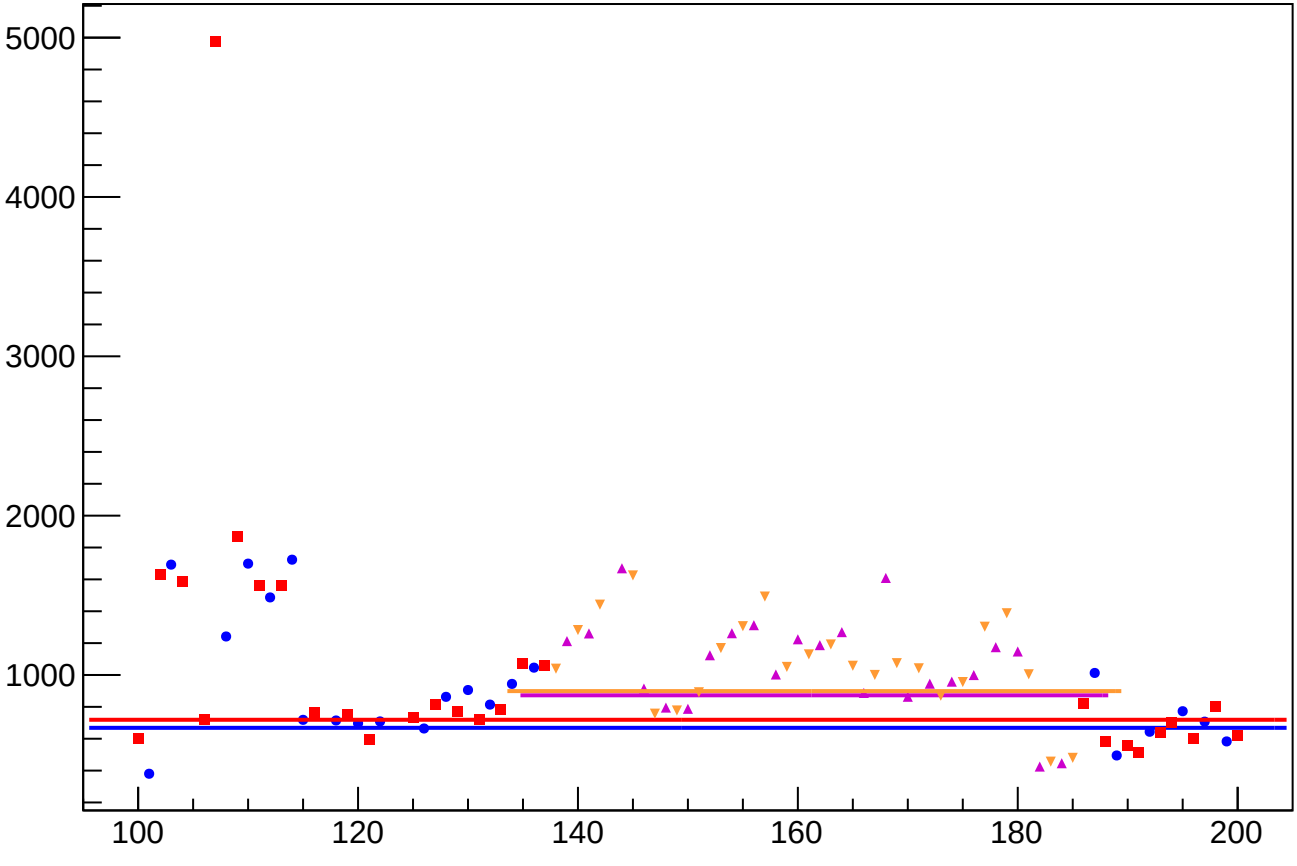
Right: -258.191+/-148.300 χ^2/NDF: 60.2/48

In: -155.288+/-151.850 χ^2/NDF:41.4/44

Out: -294.824+/-151.828 χ^2/NDF:64.0/50

All: -225.066+/-107.366 χ^2/NDF: 105.8/95

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 668.380+/-0.149 χ^2/NDF: 2699638.9/21

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

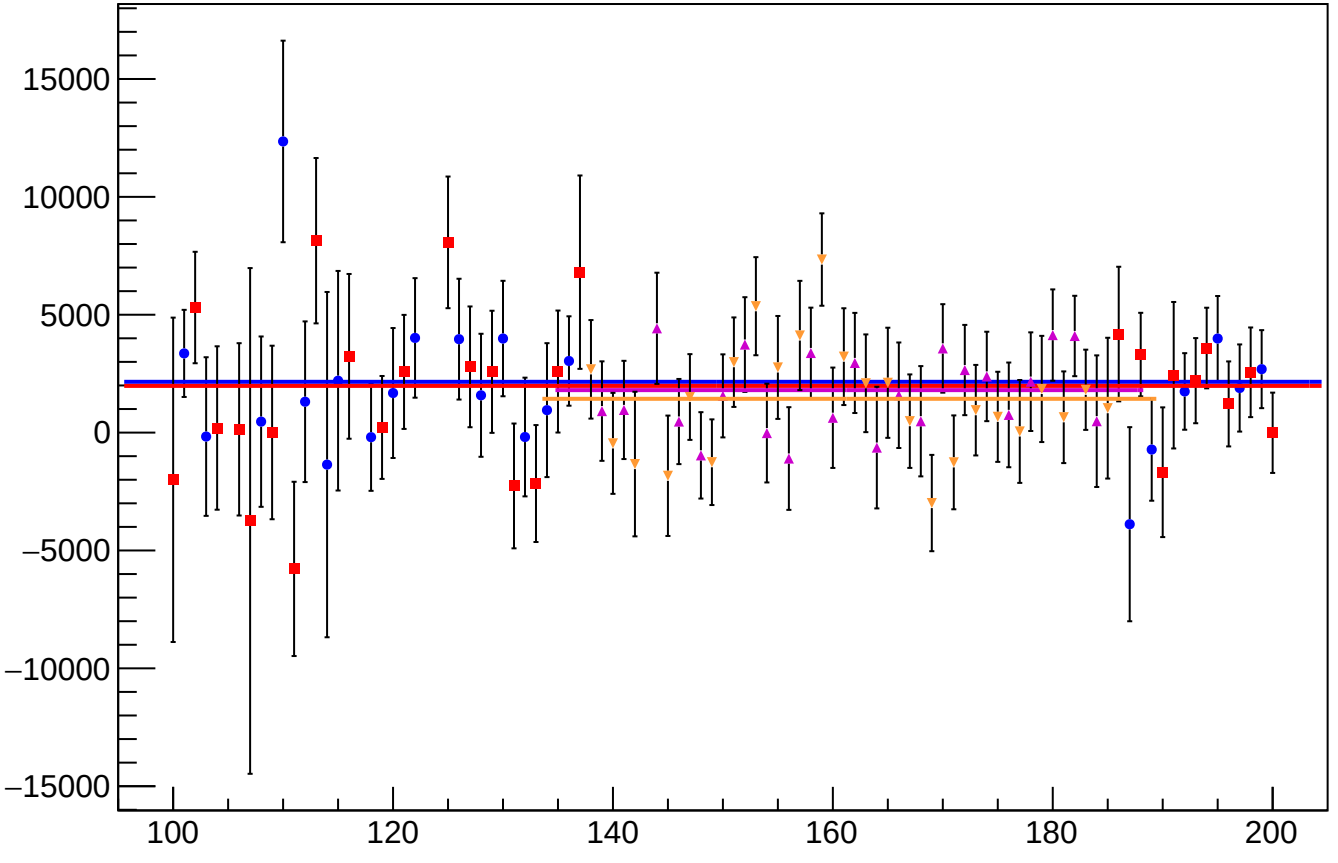
Right: 694.005+/-0.105 χ^2/NDF: 5359650.6/48

In: 766.972+/-0.107 χ^2/NDF:8037354.7/44

Out: 803.243+/-0.107 χ^2/NDF:7092883.2/50

All: 785.110+/-0.076 χ^2/NDF: 15187301.3/95

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2154.675+/-514.010 χ^2/NDF: 16.2/21

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

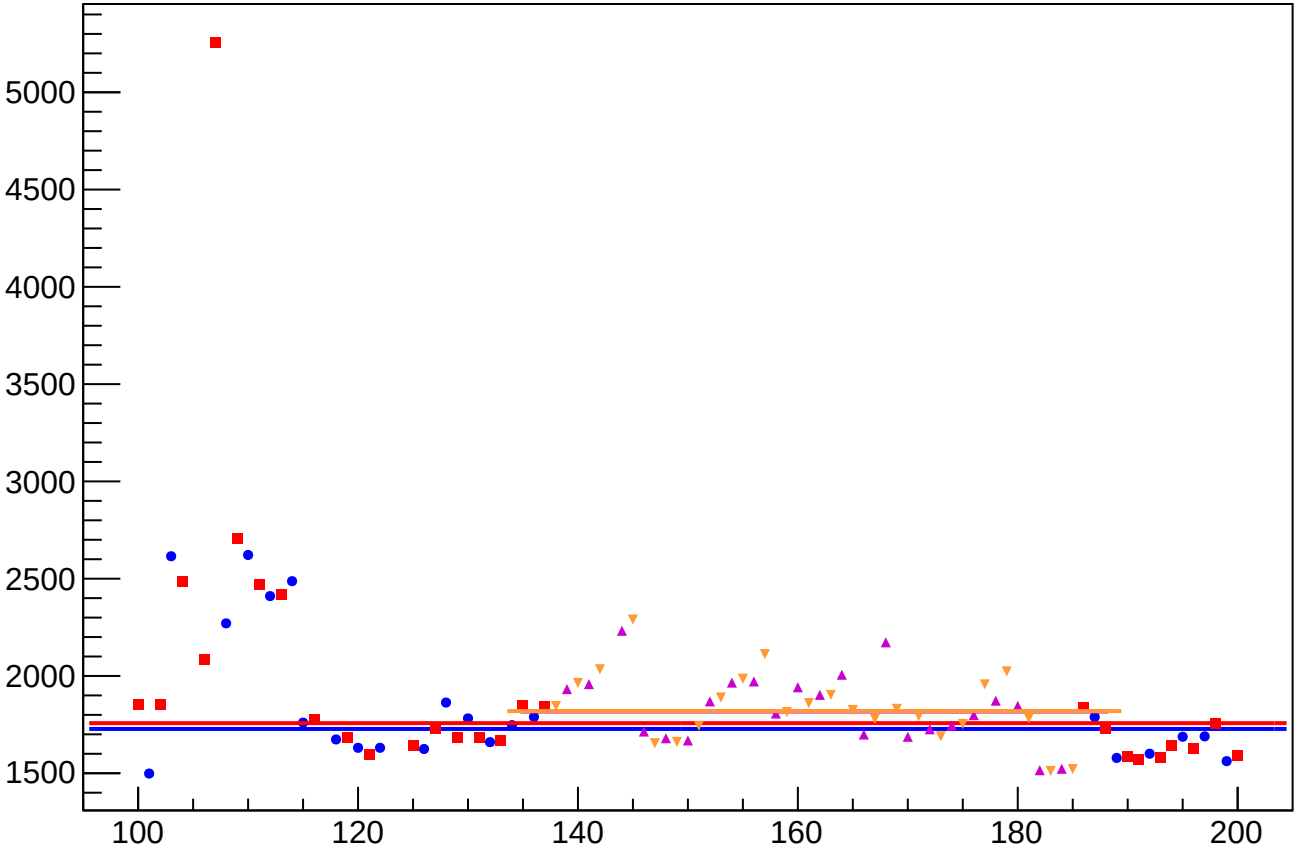
Right: 2062.794+/-352.647 χ^2/NDF: 45.2/48

In: 1945.527+/-328.216 χ^2/NDF:31.8/44

Out: 1671.059+/-319.332 χ^2/NDF:59.0/50

All: 1804.528+/-228.878 χ^2/NDF: 91.2/95

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1727.684+/-0.363 χ^2/NDF: 468357.4/21

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

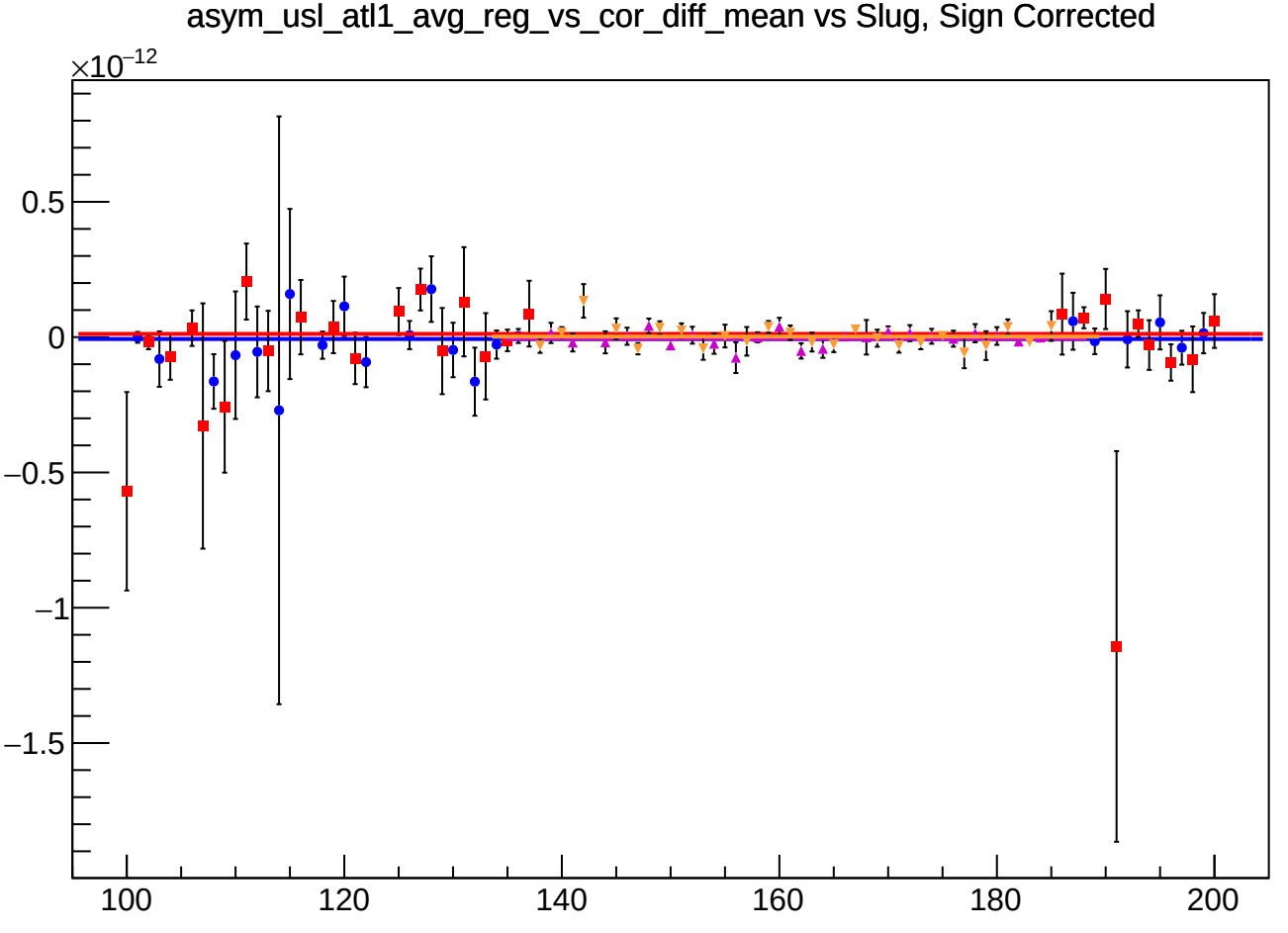
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1743.470+/-0.249 χ^2/NDF: 1170648.9/48

In: 1780.667+/-0.232 χ^2/NDF:811339.3/44

Out: 1792.547+/-0.226 χ^2/NDF:1012209.0/50

All: 1786.770+/-0.162 χ^2/NDF: 1824894.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/21

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

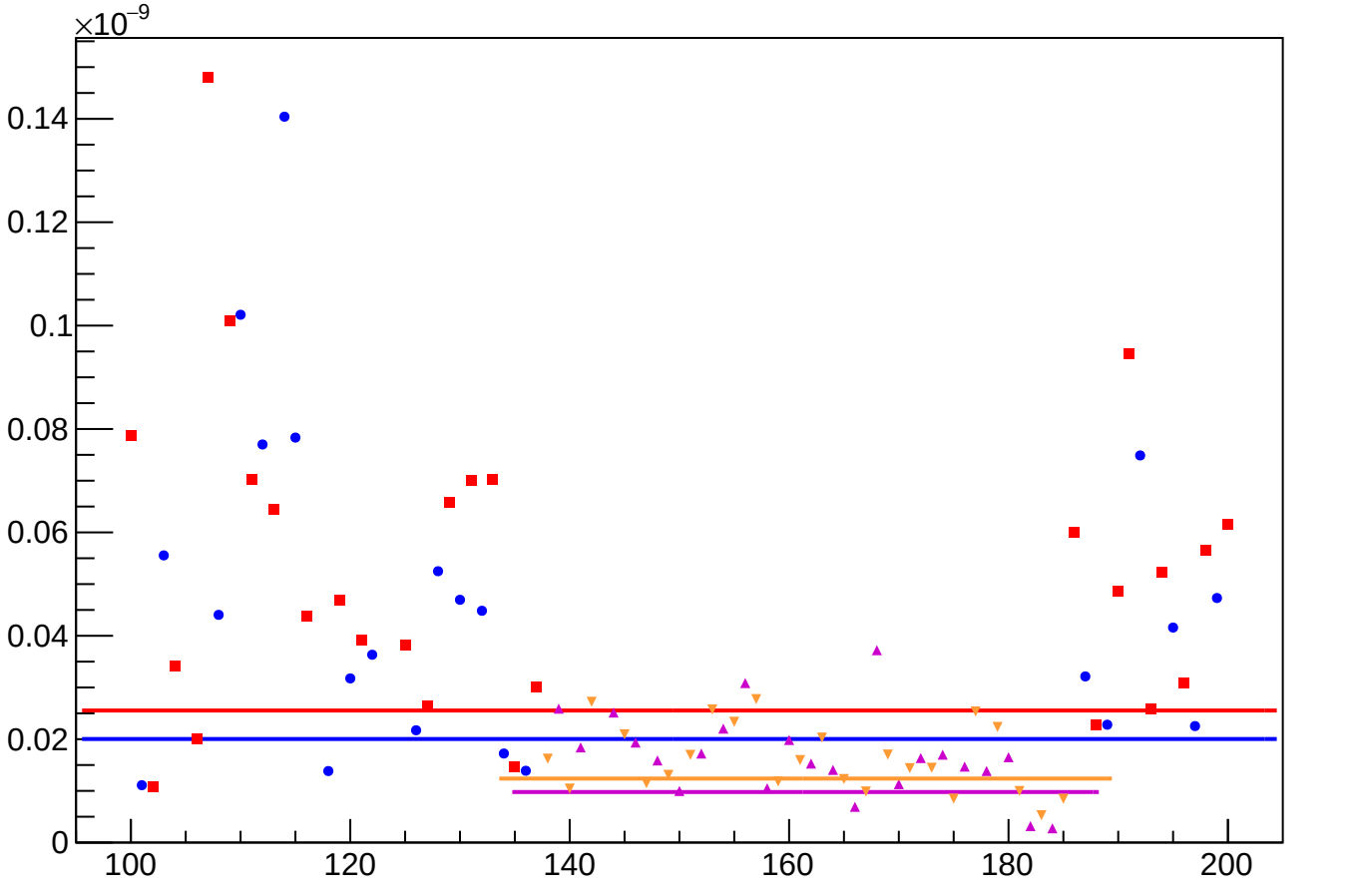
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.1/48

In: -0.000+/-0.000 χ^2/NDF:29.4/44

Out: 0.000+/-0.000 χ^2/NDF:57.4/50

All: -0.000+/-0.000 χ^2/NDF: 88.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 2869418.0/21

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

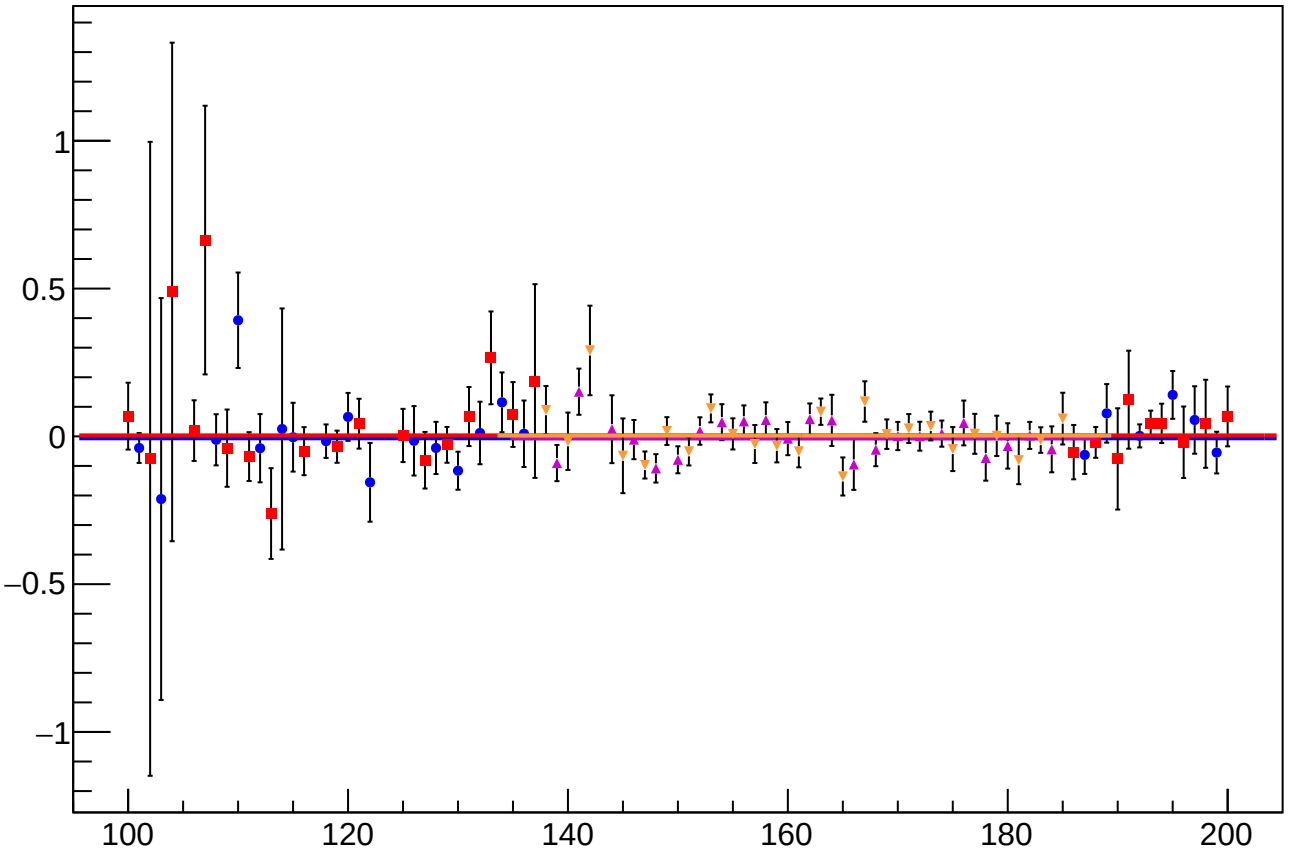
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6029337.8/48

In: 0.000+/-0.000 χ^2/NDF:8642836.6/44

Out: 0.000+/-0.000 χ^2/NDF:6428726.9/50

All: 0.000+/-0.000 χ^2/NDF: 15464837.5/95



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

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

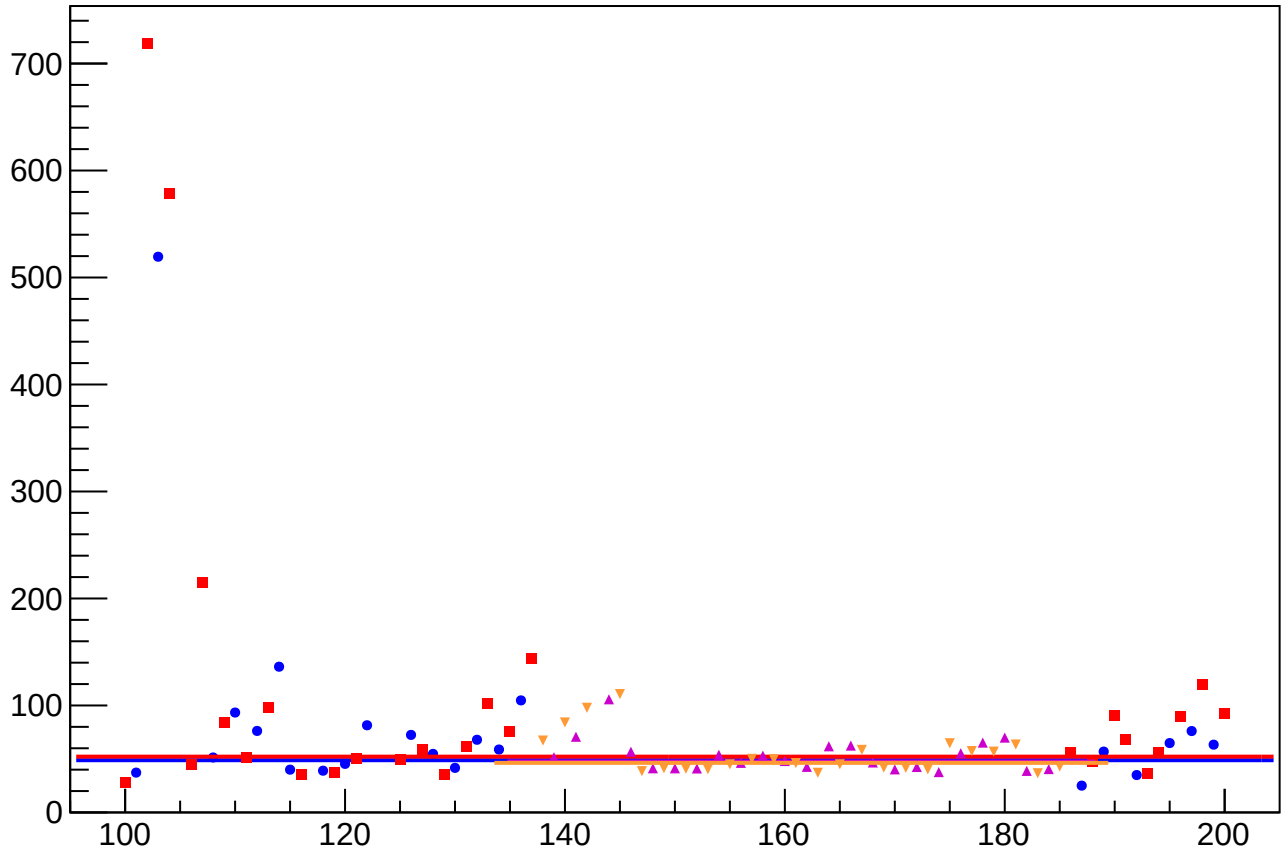
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.002+/-0.012 χ^2/NDF: 34.9/48

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.002+/-0.007 χ^2/NDF: 86.7/95



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

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

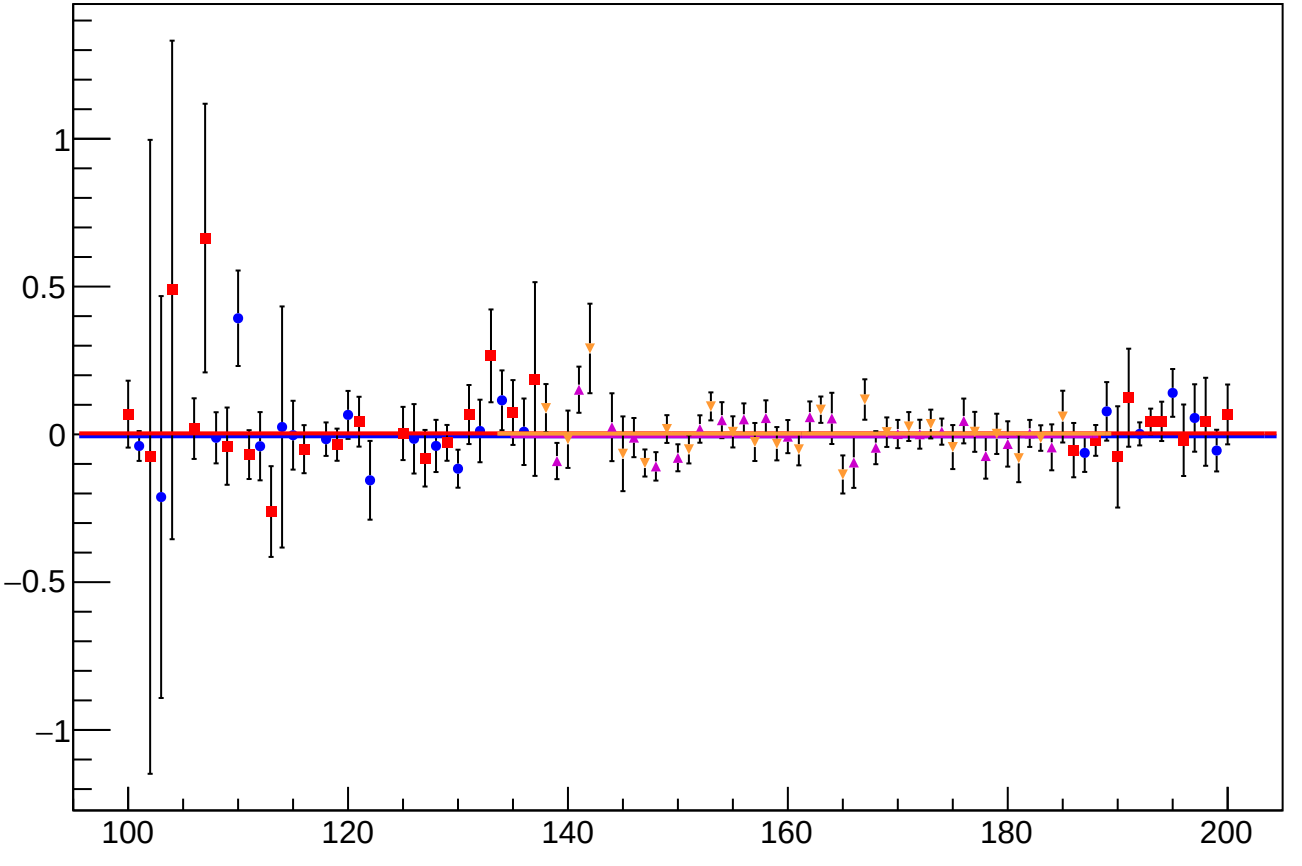
Right: 50.476+/-0.009 χ^2/NDF: 7547790.4/48

In: 47.991+/-0.007 χ^2/NDF:4710975.9/44

Out: 48.207+/-0.007 χ^2/NDF:6502801.7/50

All: 48.100+/-0.005 χ^2/NDF: 11214257.8/95

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

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

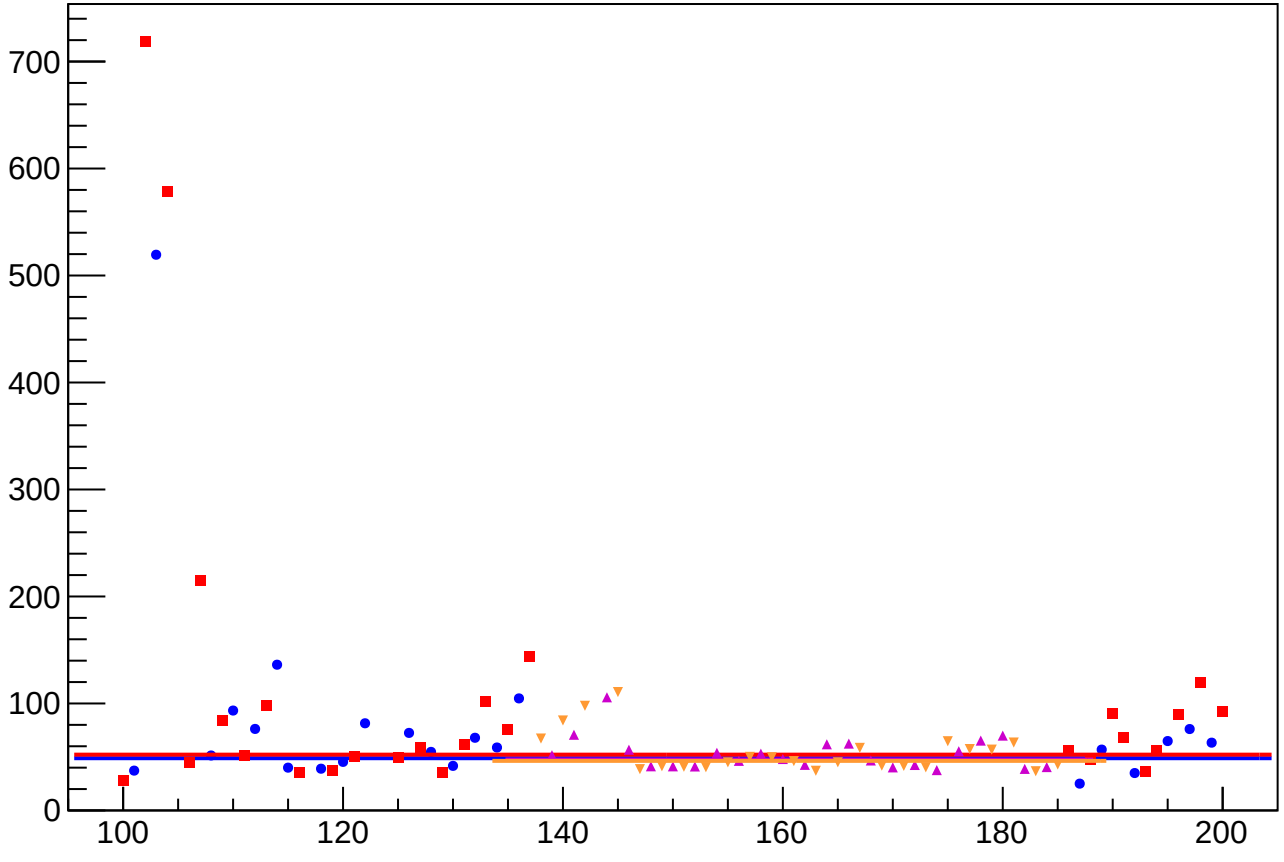
Right: -0.002+/-0.012 χ^2/NDF: 34.9/48

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.002+/-0.007 χ^2/NDF: 86.7/95

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

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

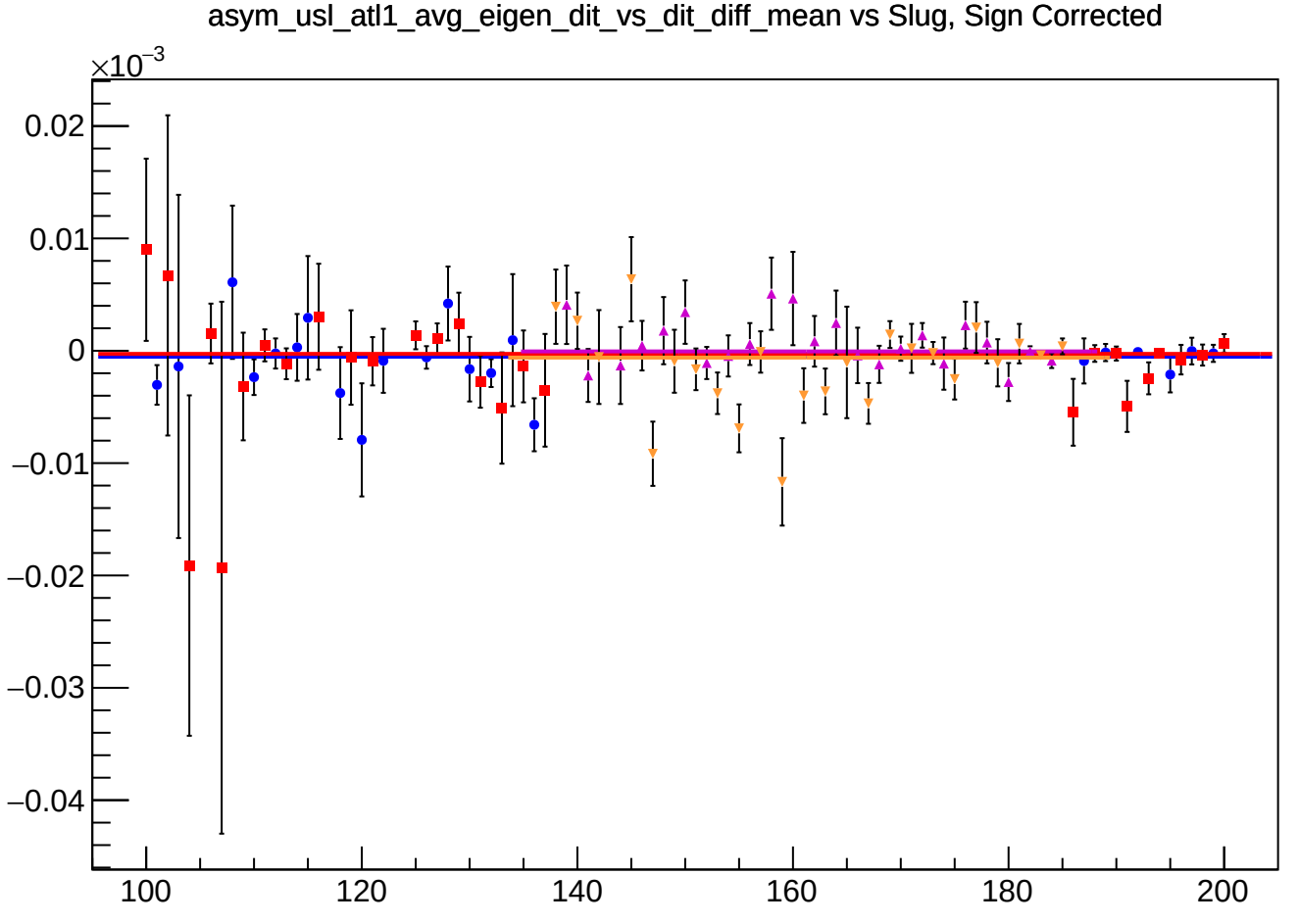
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.476+/-0.009 χ^2/NDF: 7547790.4/48

In: 47.991+/-0.007 χ^2/NDF:4710975.9/44

Out: 48.207+/-0.007 χ^2/NDF:6502801.7/50

All: 48.100+/-0.005 χ^2/NDF: 11214257.8/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/21

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

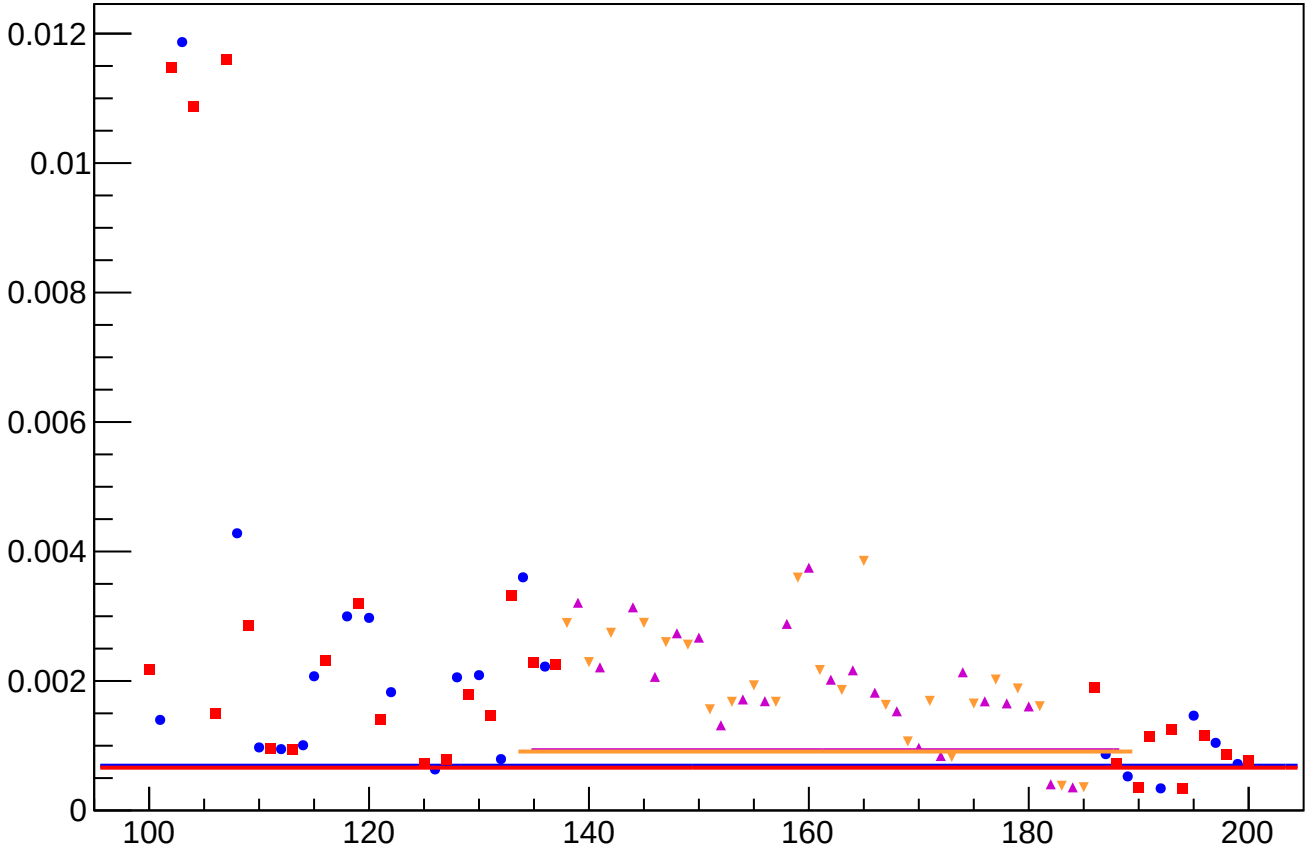
Right: -0.000+/-0.000 χ^2/NDF: 44.3/48

In: -0.000+/-0.000 χ^2/NDF:39.9/44

Out: -0.000+/-0.000 χ^2/NDF:78.0/50

All: -0.000+/-0.000 χ^2/NDF: 118.1/95

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7997990.4/21

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

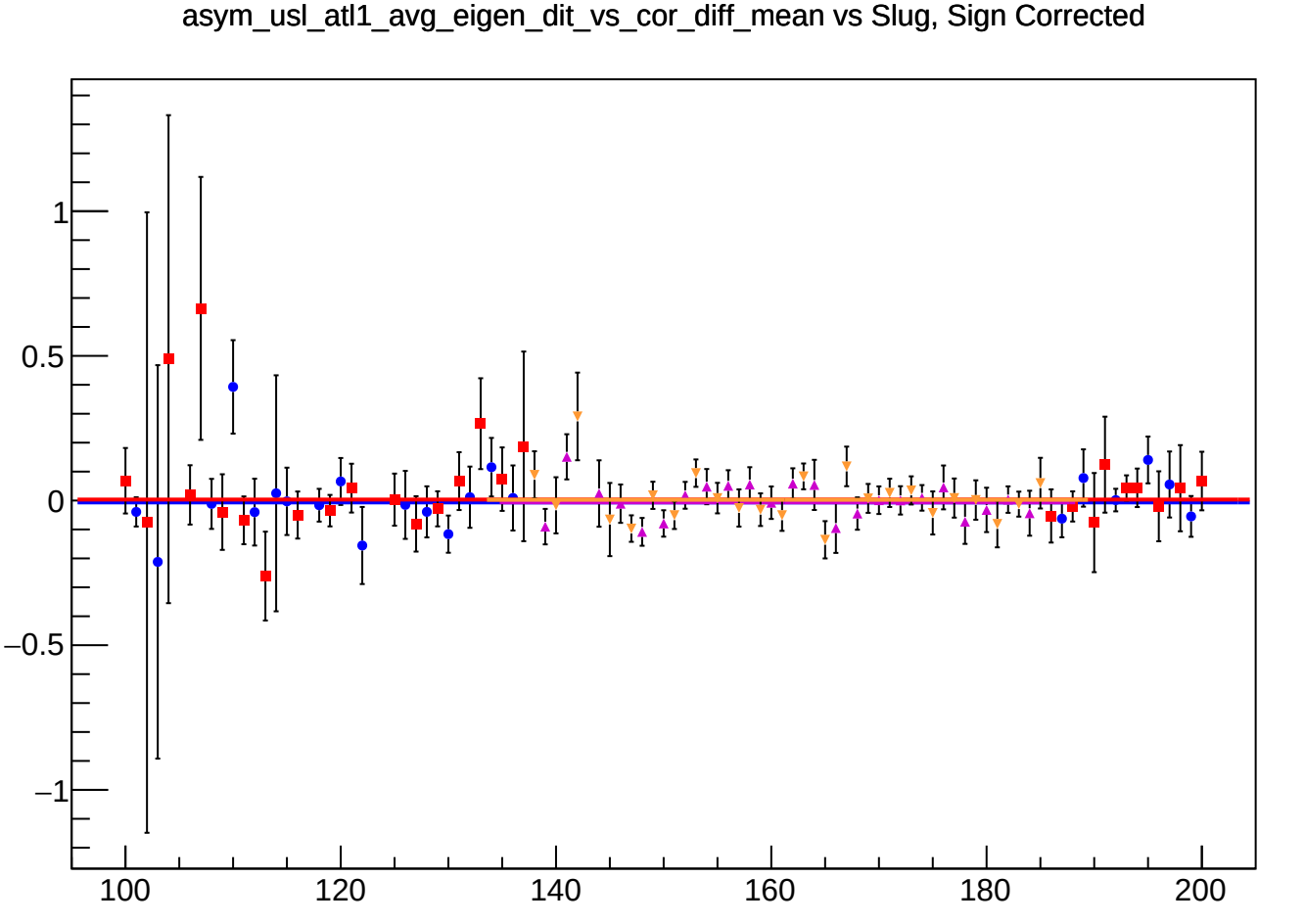
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 17637933.2/48

In: 0.001+/-0.000 χ^2/NDF:22462342.3/44

Out: 0.001+/-0.000 χ^2/NDF:24710018.4/50

All: 0.001+/-0.000 χ^2/NDF: 47216806.4/95



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

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

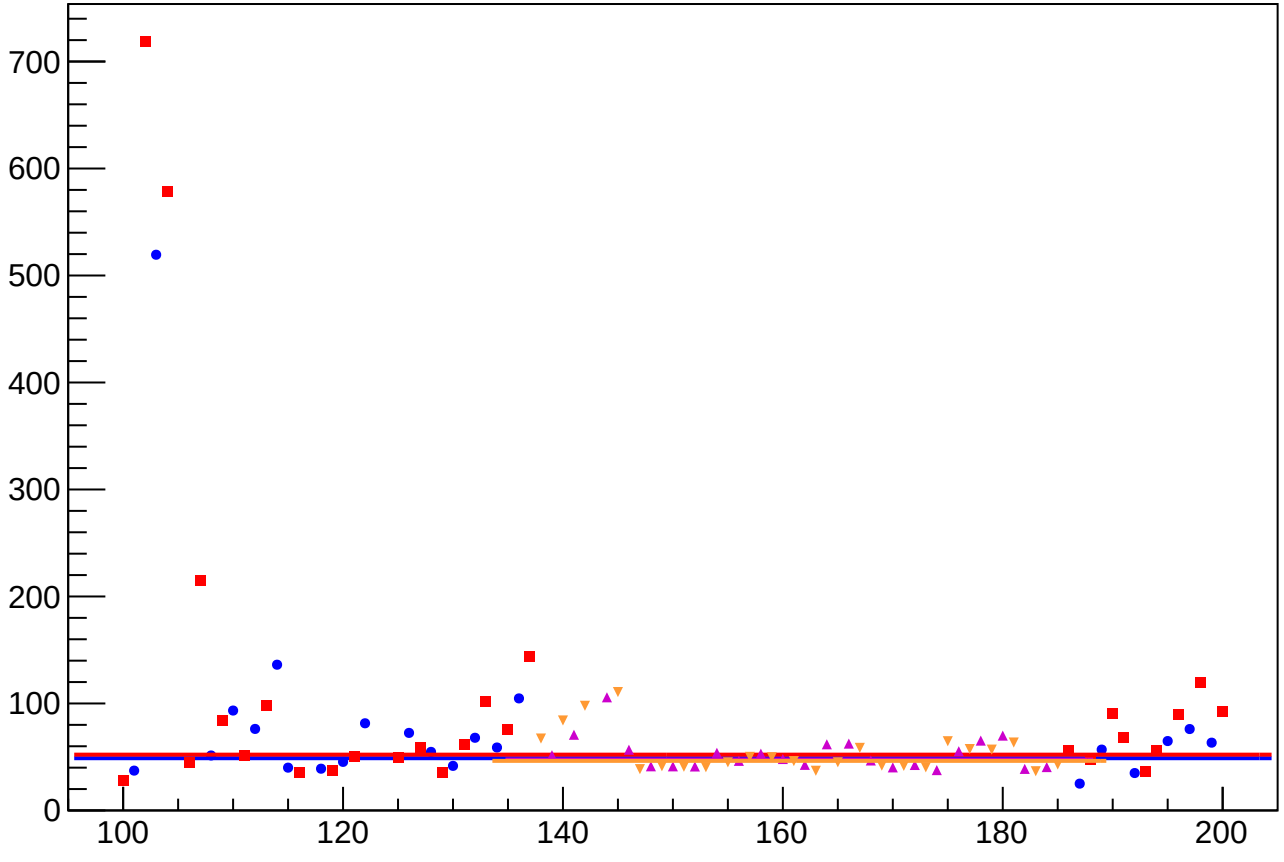
Right: -0.002+/-0.012 χ^2/NDF: 34.9/48

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.002+/-0.007 χ^2/NDF: 86.7/95

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

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

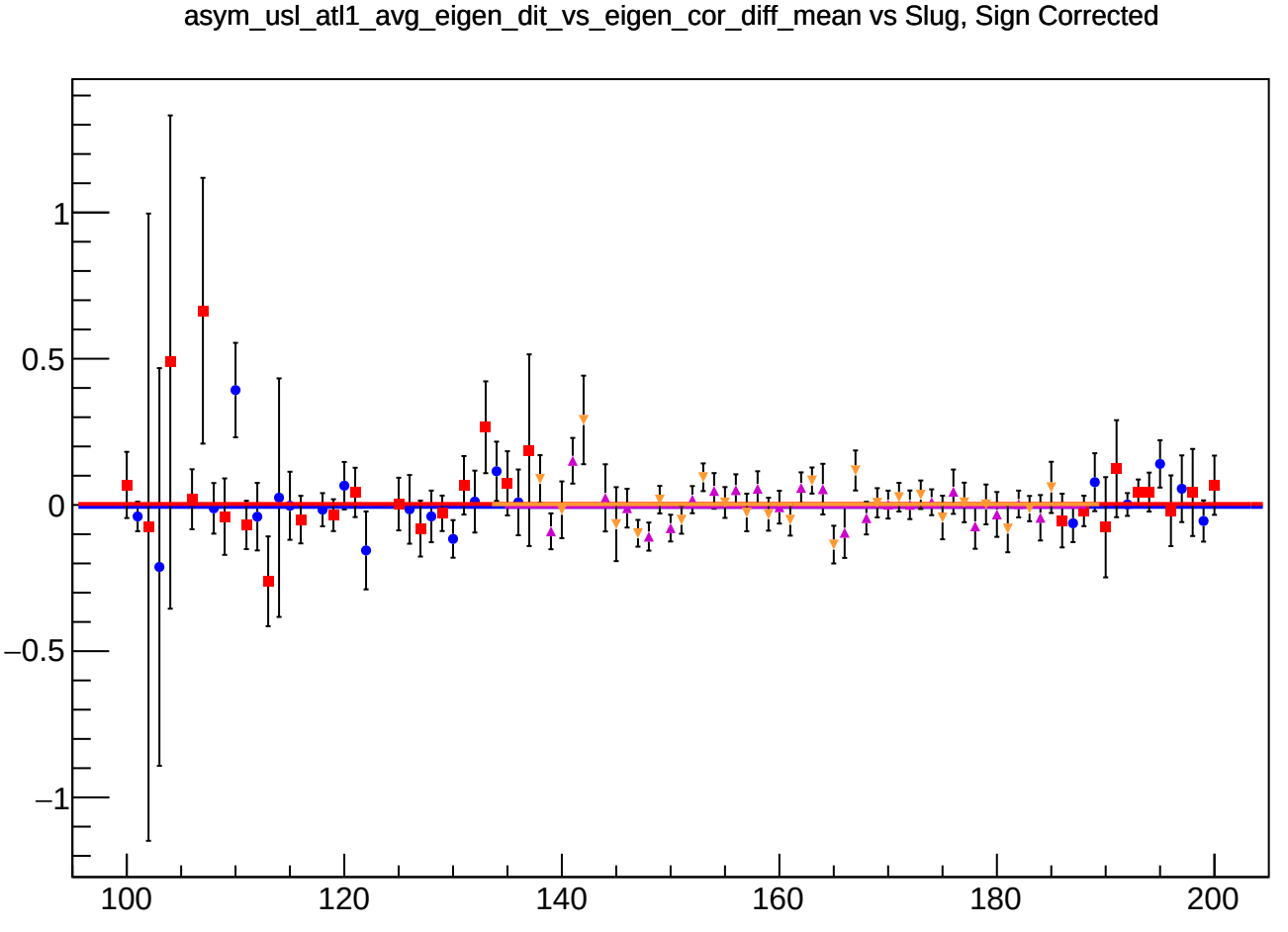
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.476+/-0.009 χ^2/NDF: 7547800.2/48

In: 47.991+/-0.007 χ^2/NDF:4710985.9/44

Out: 48.207+/-0.007 χ^2/NDF:6502778.5/50

All: 48.100+/-0.005 χ^2/NDF: 11214244.6/95



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

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

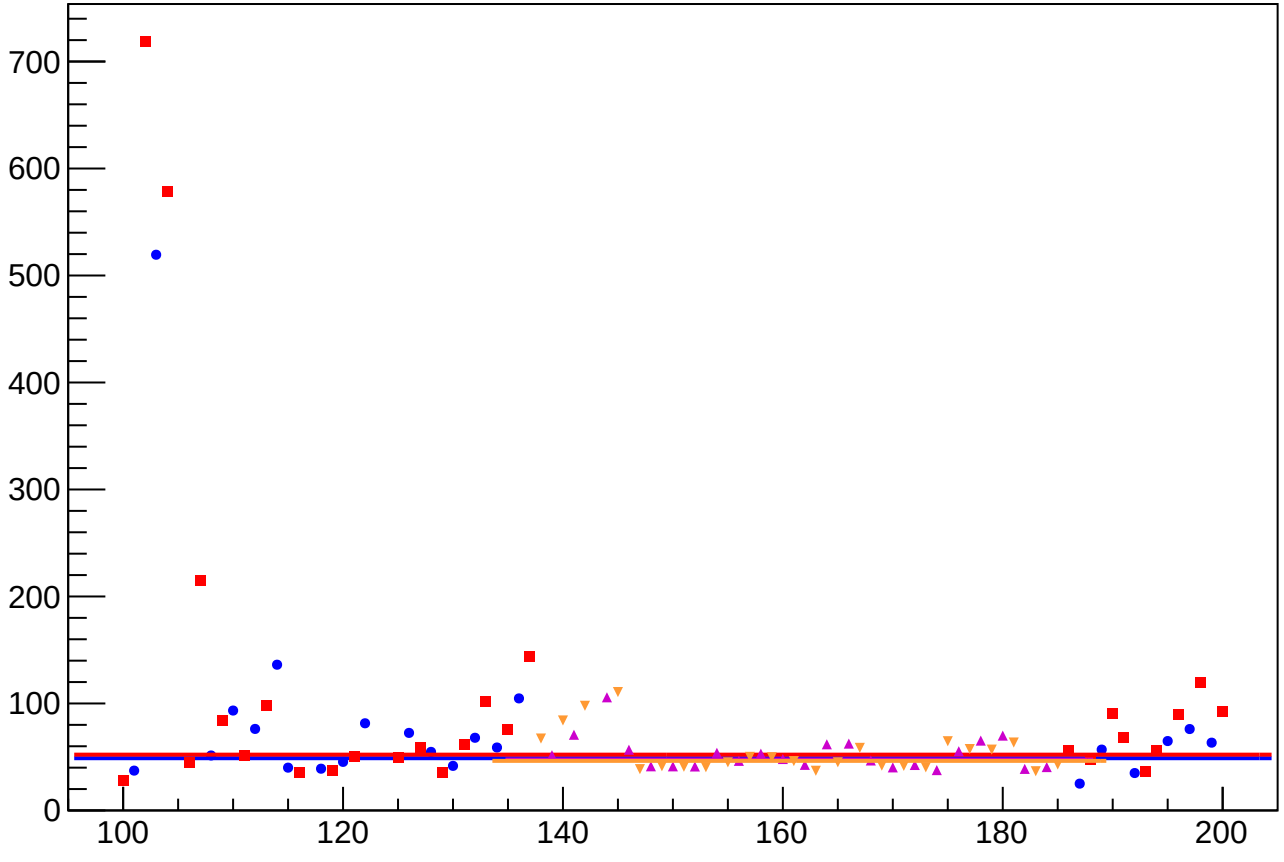
Right: -0.002+/-0.012 χ^2/NDF: 34.9/48

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.003+/-0.010 χ^2/NDF:45.7/50

All: -0.002+/-0.007 χ^2/NDF: 86.7/95

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

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

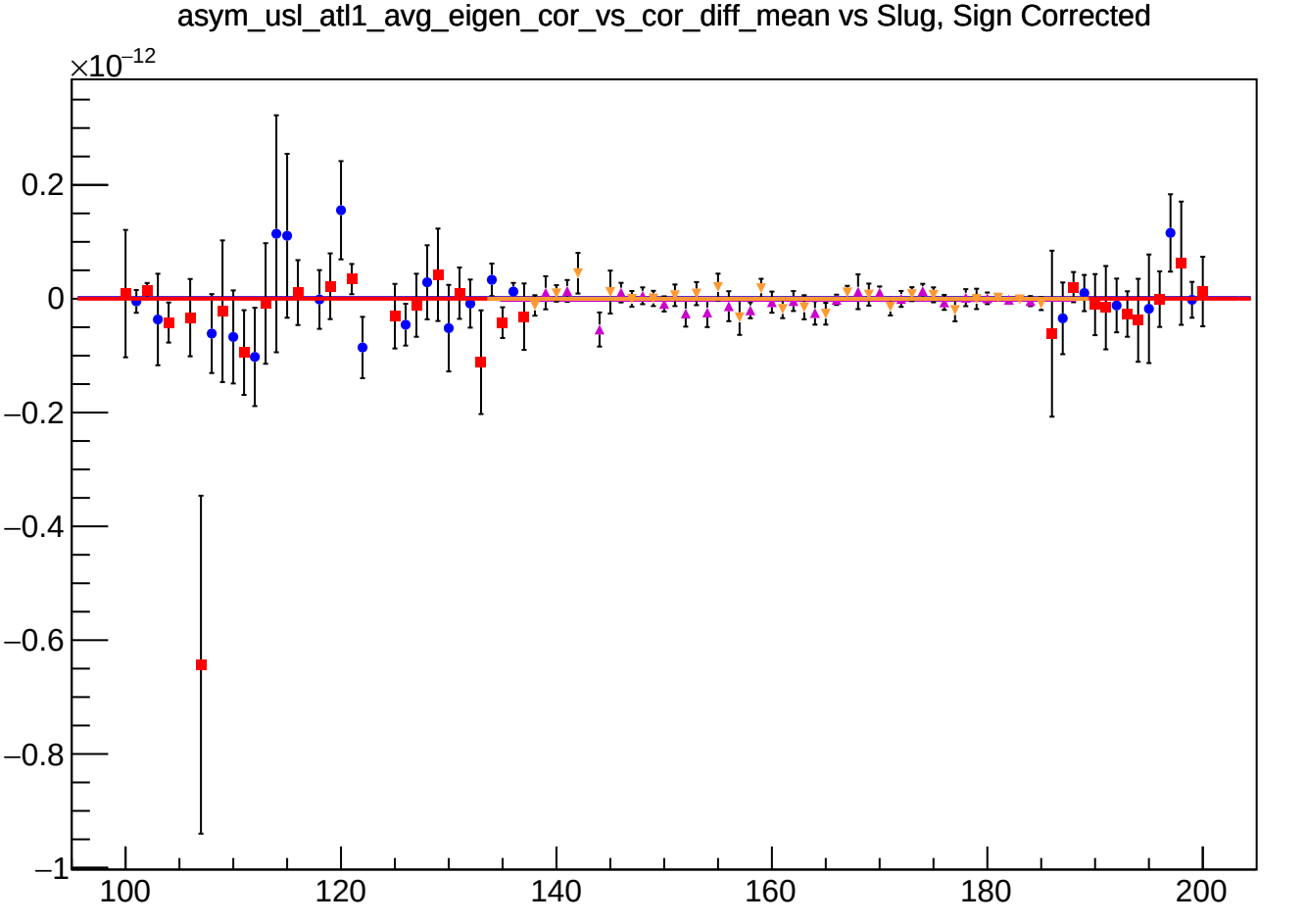
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.476+/-0.009 χ^2/NDF: 7547800.2/48

In: 47.991+/-0.007 χ^2/NDF:4710985.9/44

Out: 48.207+/-0.007 χ^2/NDF:6502778.5/50

All: 48.100+/-0.005 χ^2/NDF: 11214244.6/95



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

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

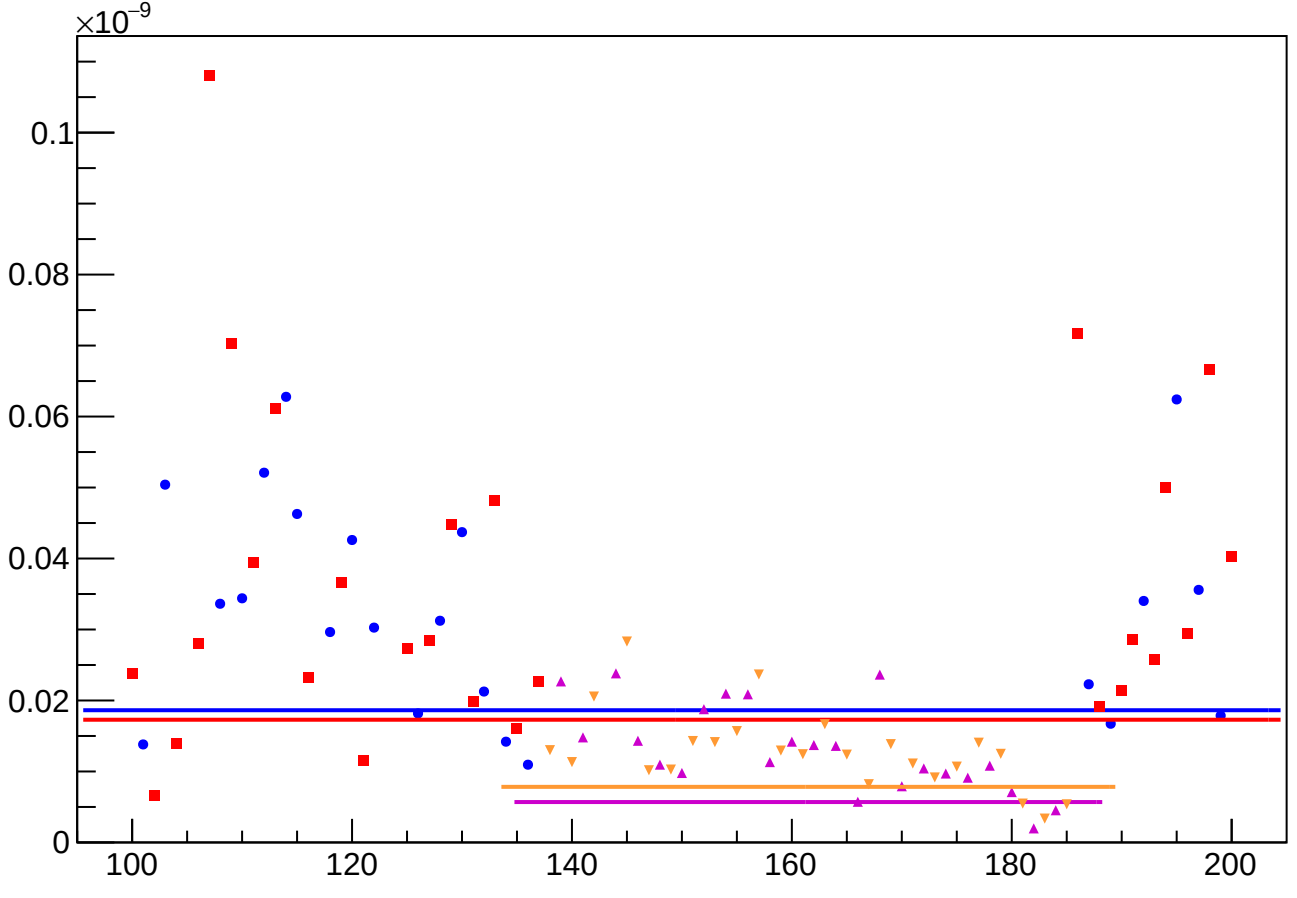
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 35.4/48

In: -0.000+/-0.000 χ^2/NDF:30.9/44

Out: -0.000+/-0.000 χ^2/NDF:31.8/50

All: -0.000+/-0.000 χ^2/NDF: 63.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 3030783.1/21

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

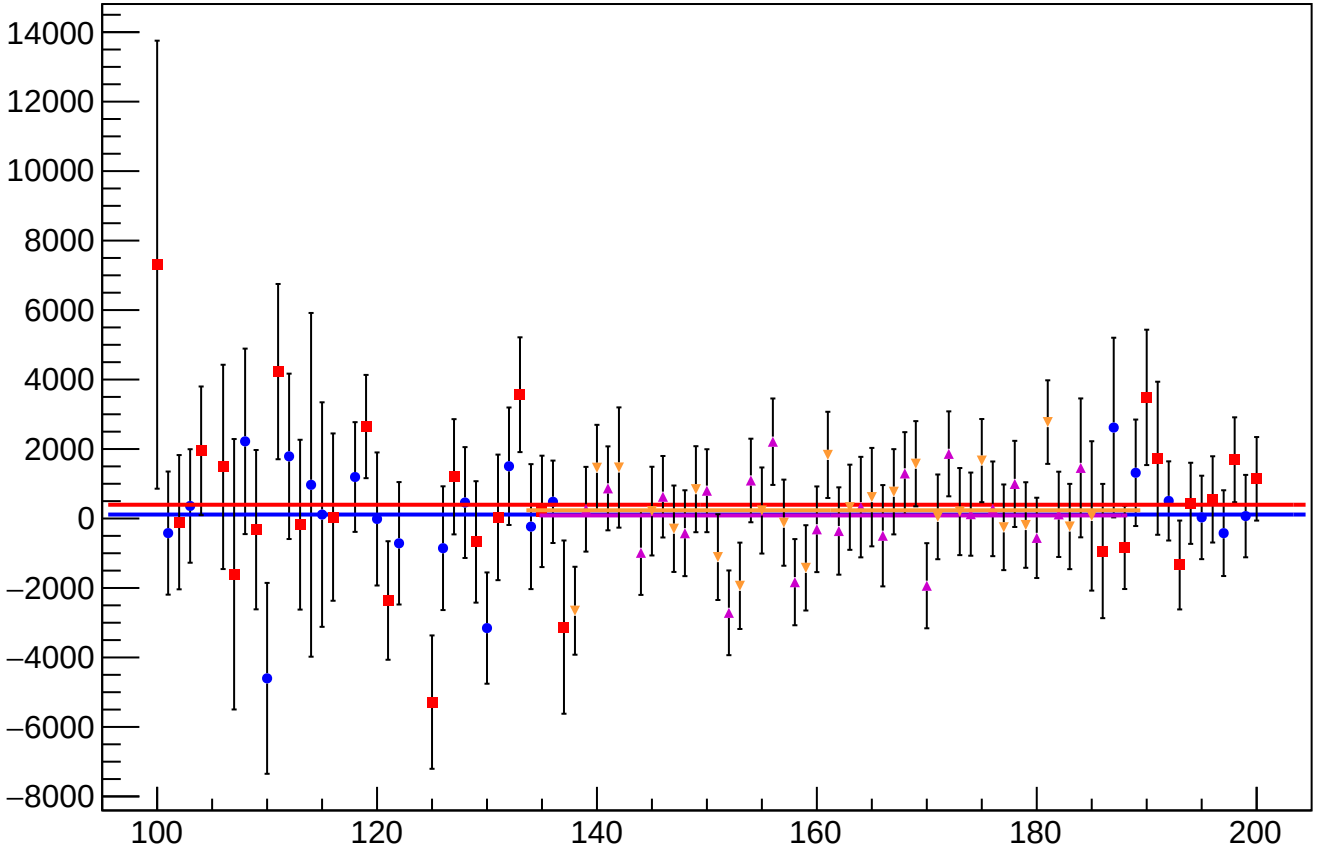
Right: 0.000+/-0.000 χ^2/NDF: 8181338.0/48

In: 0.000+/-0.000 χ^2/NDF:18741464.6/44

Out: 0.000+/-0.000 χ^2/NDF:14147323.5/50

All: 0.000+/-0.000 χ^2/NDF: 33886460.7/95

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 113.948+/-350.336 χ^2/NDF: 12.1/21

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

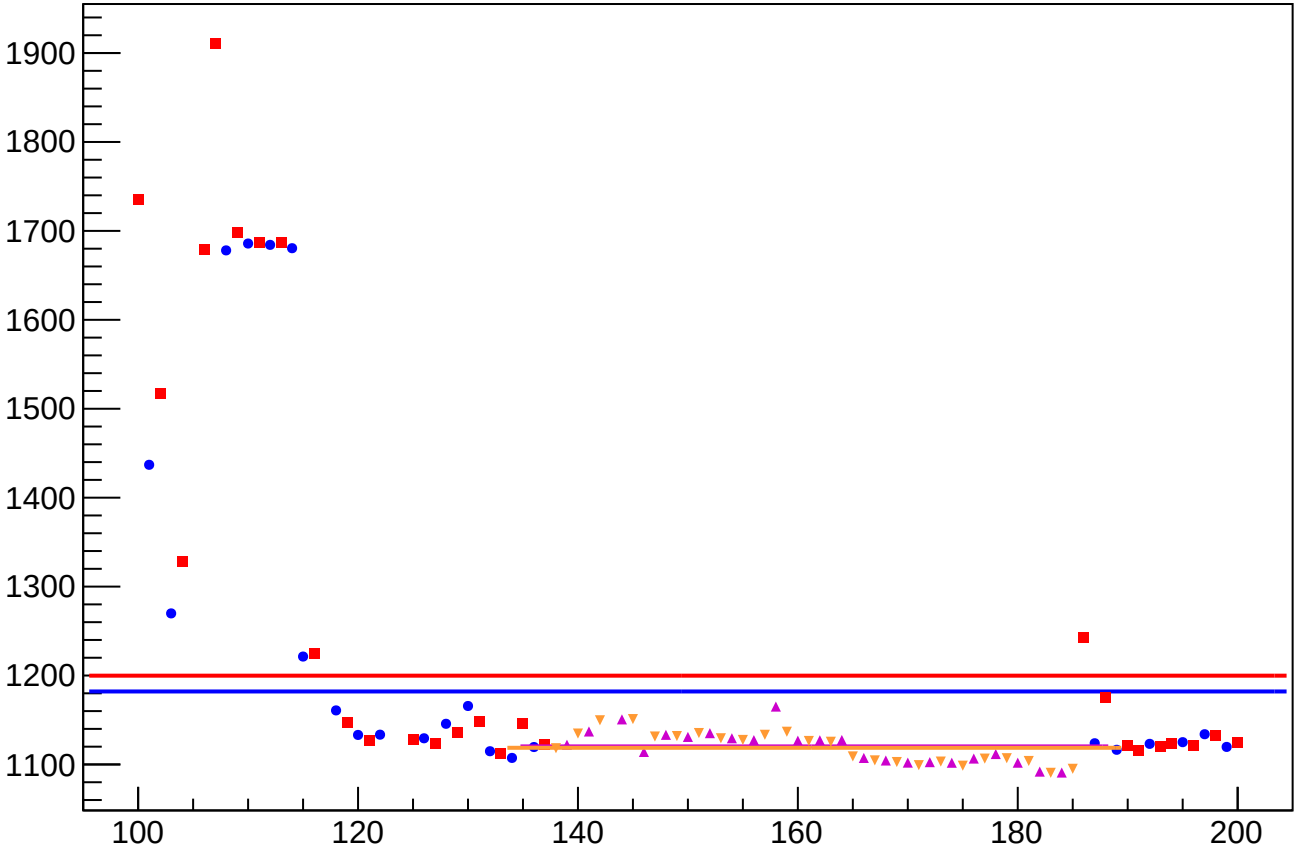
Right: 263.846+/-239.954 χ^2/NDF: 45.0/48

In: 97.533+/-209.611 χ^2/NDF:33.0/44

Out: 297.826+/-203.908 χ^2/NDF:55.4/50

All: 200.441+/-146.160 χ^2/NDF: 88.9/95

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

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

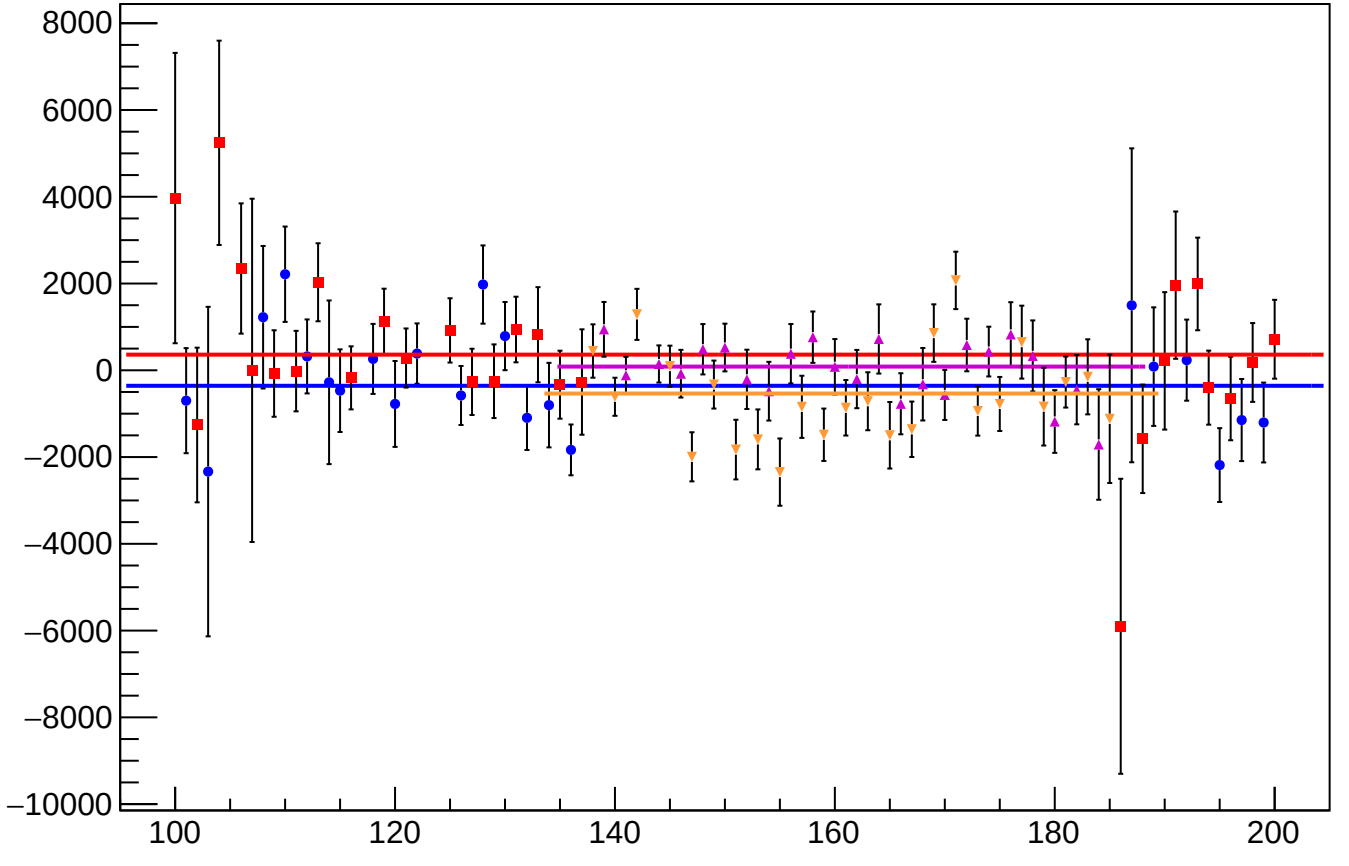
Right: 1191.508+/-0.170 χ^2/NDF: 856113.6/48

In: 1142.421+/-0.148 χ^2/NDF:383886.5/44

Out: 1149.827+/-0.144 χ^2/NDF:601902.8/50

All: 1146.226+/-0.103 χ^2/NDF: 987072.2/95

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -357.154+/-197.764 χ^2/NDF: 32.7/21

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

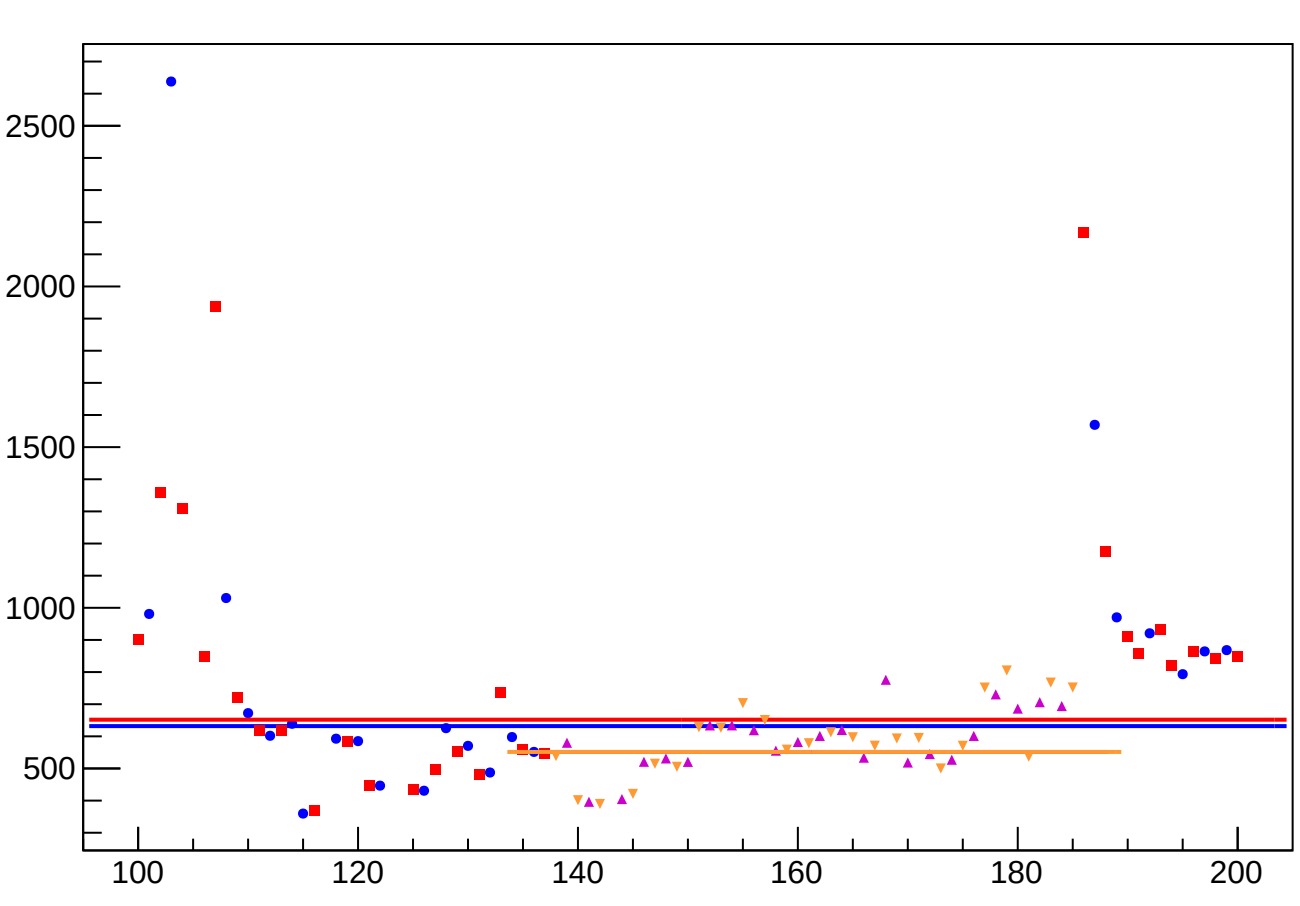
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 13.677+/-137.533 χ^2/NDF: 67.6/48

In: -49.617+/-109.193 χ^2/NDF:53.3/44

Out: -250.821+/-107.904 χ^2/NDF:104.6/50

All: -151.414+/-76.751 χ^2/NDF: 159.7/95



Right In: 631.805+/-0.140 χ^2/NDF: 2237427.1/21

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

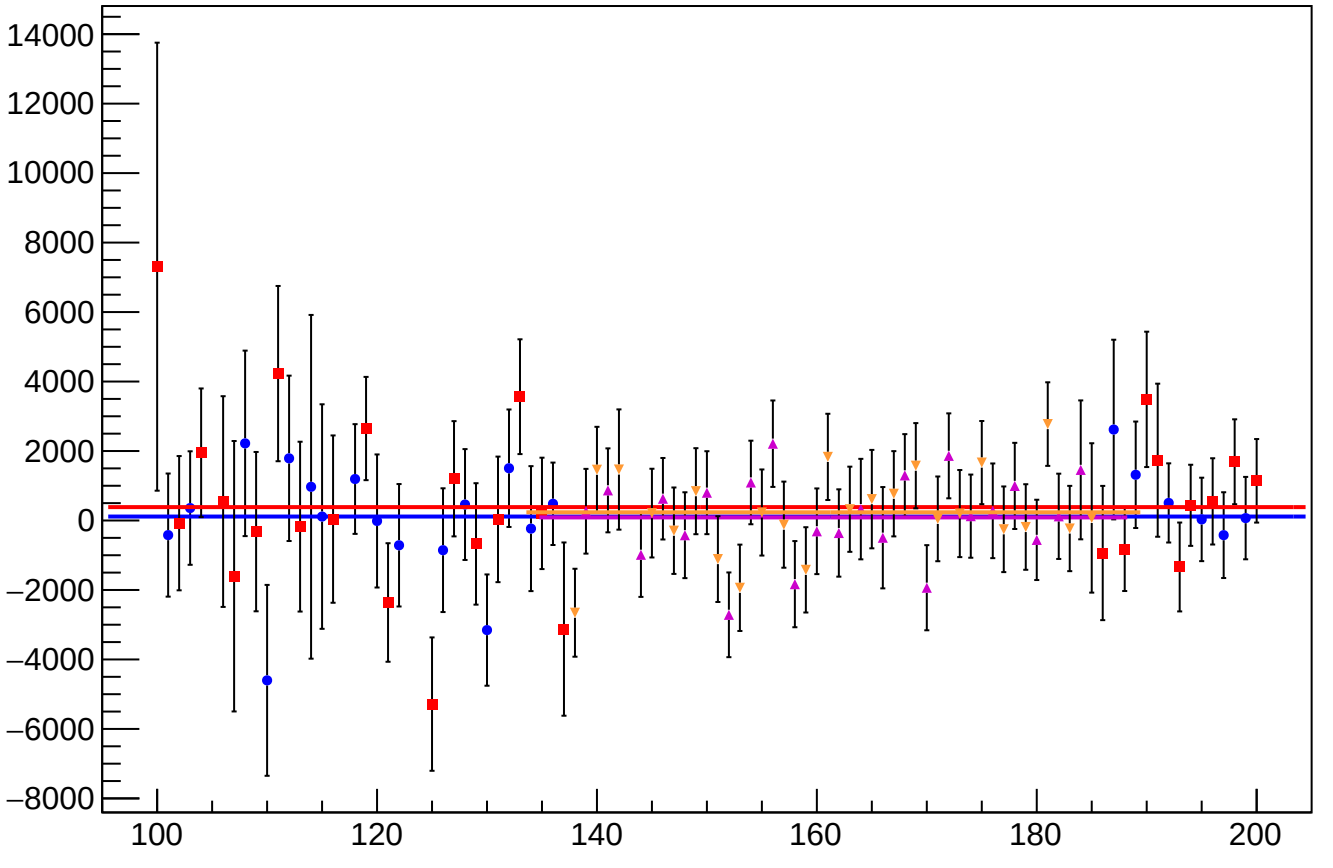
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 642.131+/-0.097 χ^2/NDF: 5257341.3/48

In: 575.868+/-0.077 χ^2/NDF:3529368.7/44

Out: 583.340+/-0.076 χ^2/NDF:4611118.0/50

All: 579.648+/-0.054 χ^2/NDF: 8145225.5/95



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

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

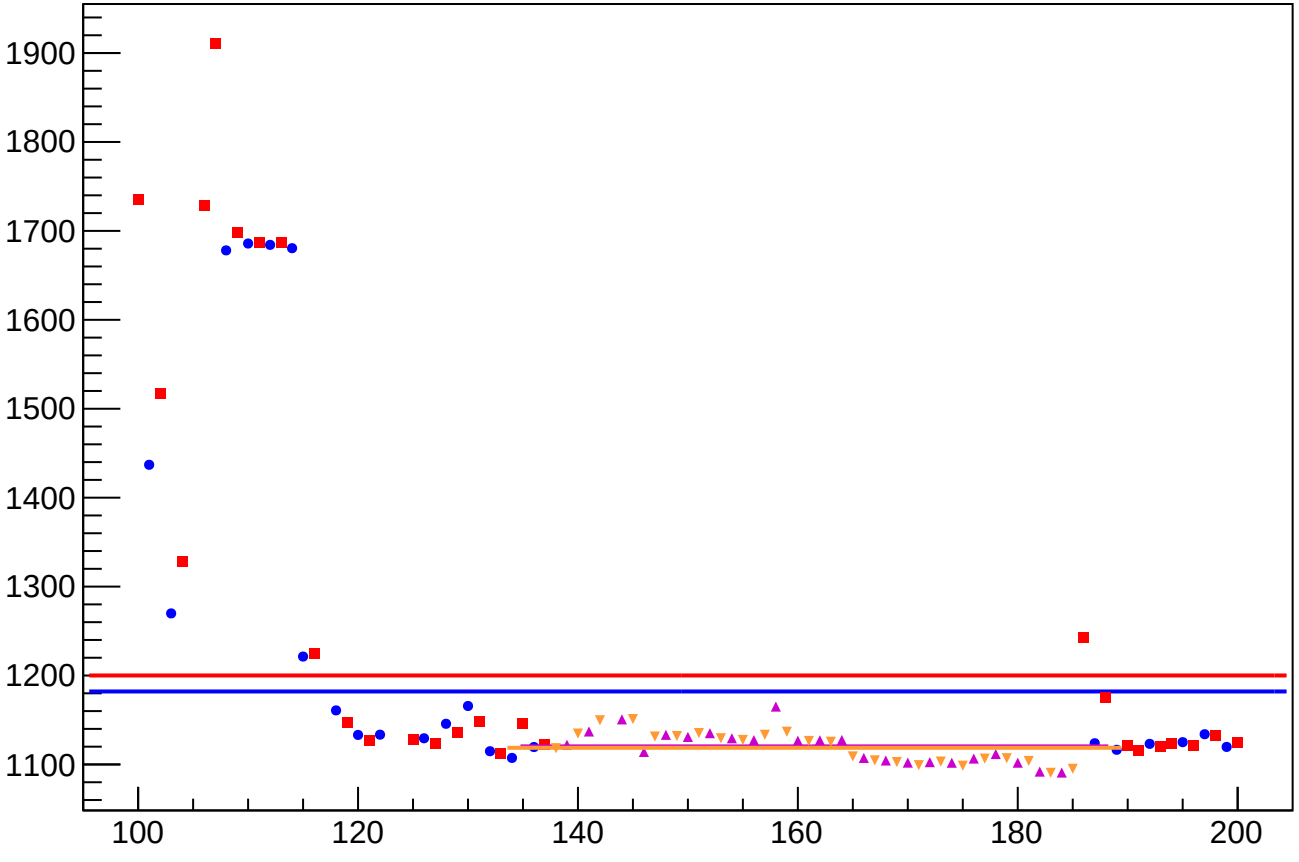
Right: 257.862+/-240.002 χ^2/NDF: 44.8/48

In: 97.471+/-209.611 χ^2/NDF:33.0/44

Out: 293.593+/-203.938 χ^2/NDF:55.3/50

All: 198.222+/-146.171 χ^2/NDF: 88.7/95

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

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

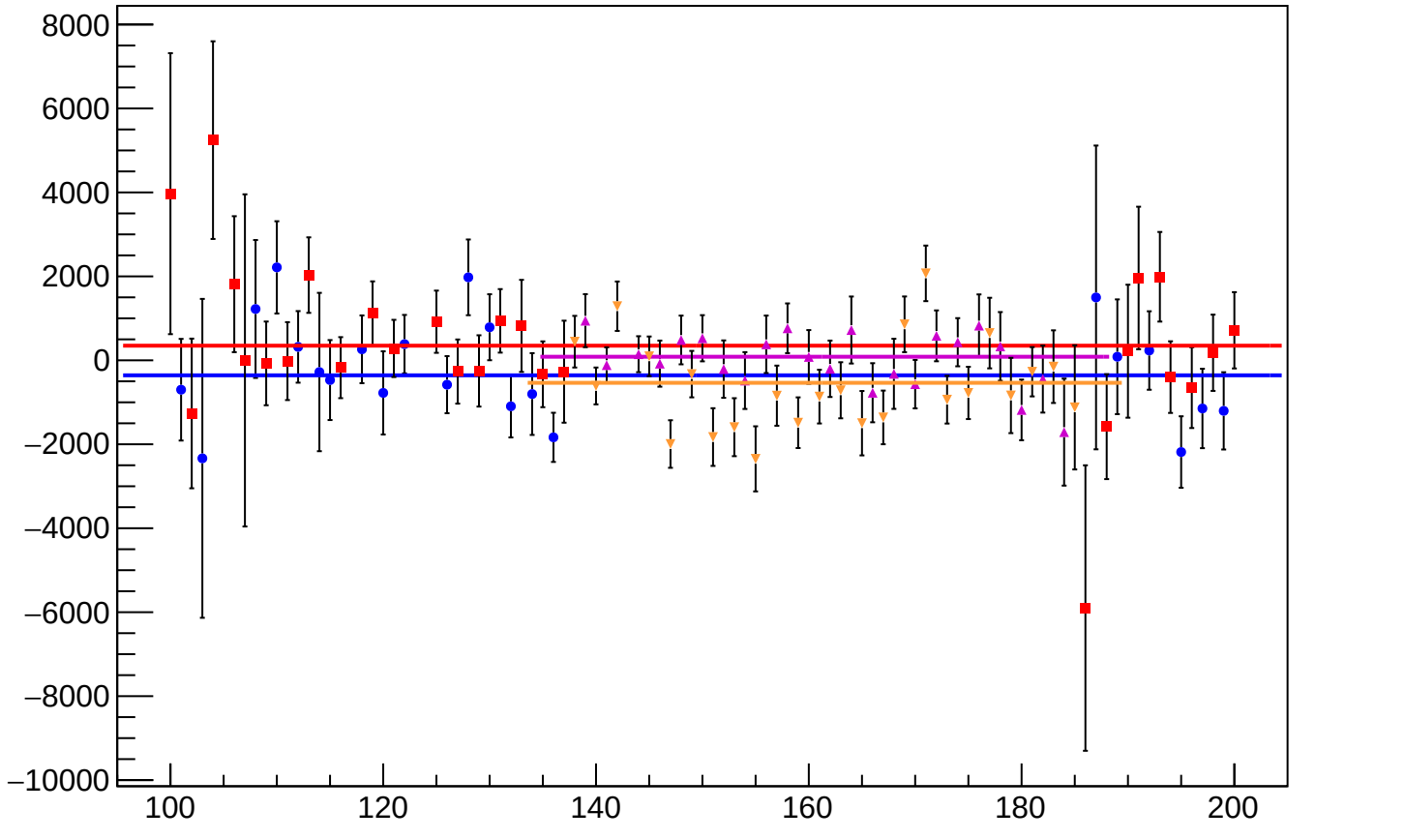
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1191.626+/-0.170 χ^2/NDF: 863951.4/48

In: 1142.421+/-0.148 χ^2/NDF:383886.6/44

Out: 1149.900+/-0.144 χ^2/NDF:610059.1/50

All: 1146.263+/-0.103 χ^2/NDF: 995253.9/95



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 349.034+/-191.611 χ^2/NDF: 27.2/26

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

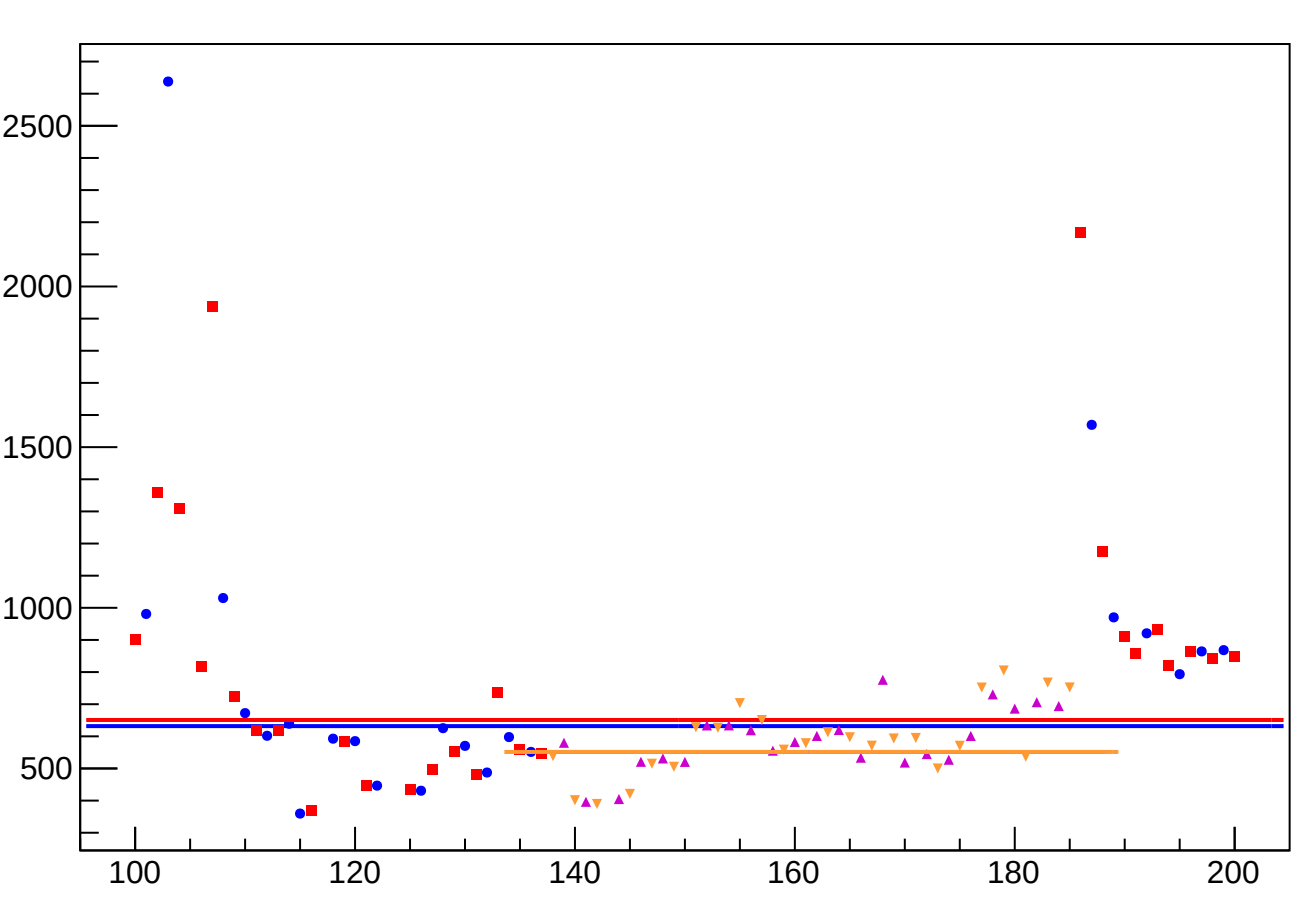
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 7.105+/-137.613 χ^2/NDF: 66.5/48

In: -49.619+/-109.193 χ^2/NDF:53.4/44

Out: -255.081+/-107.943 χ^2/NDF:103.3/50

All: -153.533+/-76.765 χ^2/NDF: 158.4/95



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

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

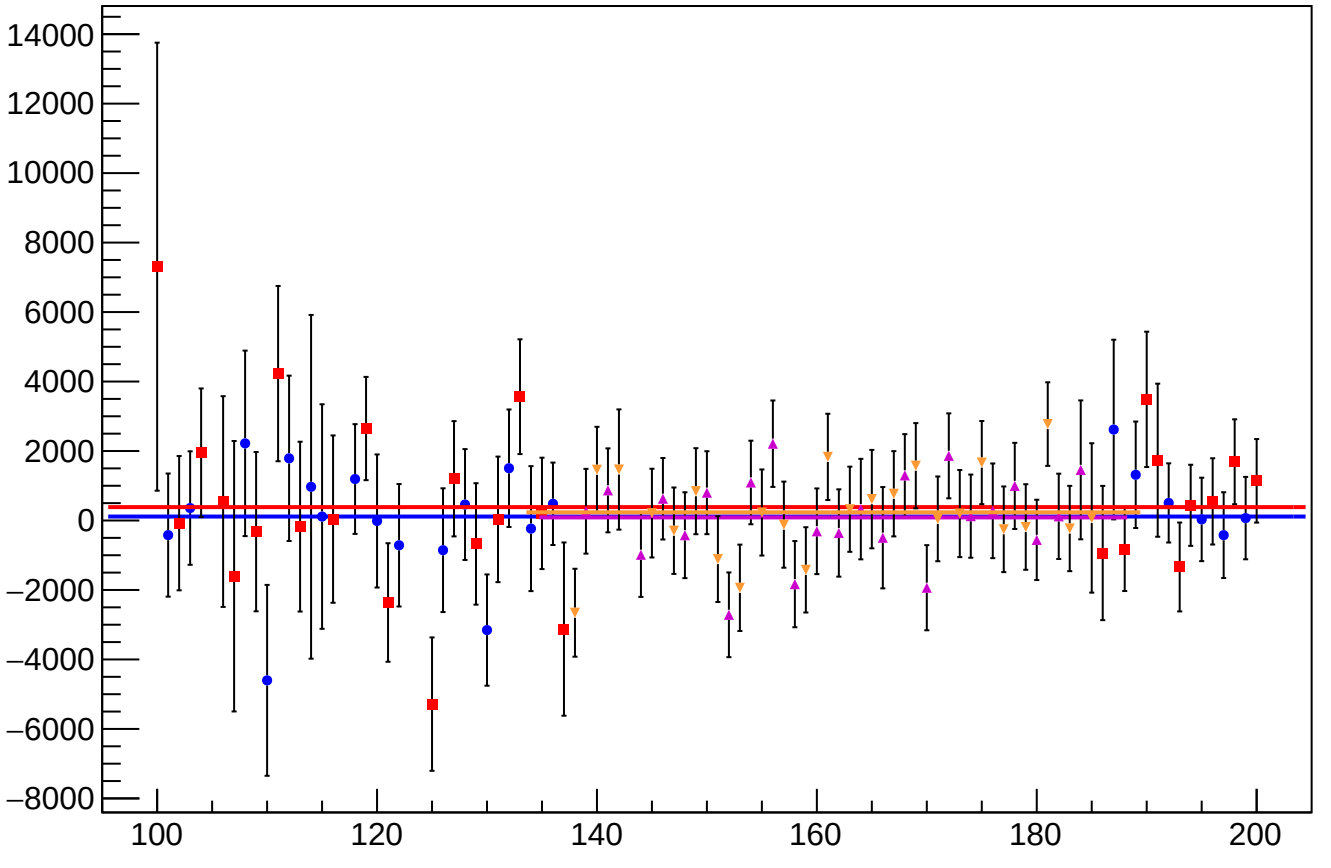
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 641.661+/-0.097 χ^2/NDF: 5243368.2/48

In: 575.866+/-0.077 χ^2/NDF:3529312.9/44

Out: 583.009+/-0.076 χ^2/NDF:4590929.7/50

All: 579.479+/-0.054 χ^2/NDF: 8124571.8/95



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

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

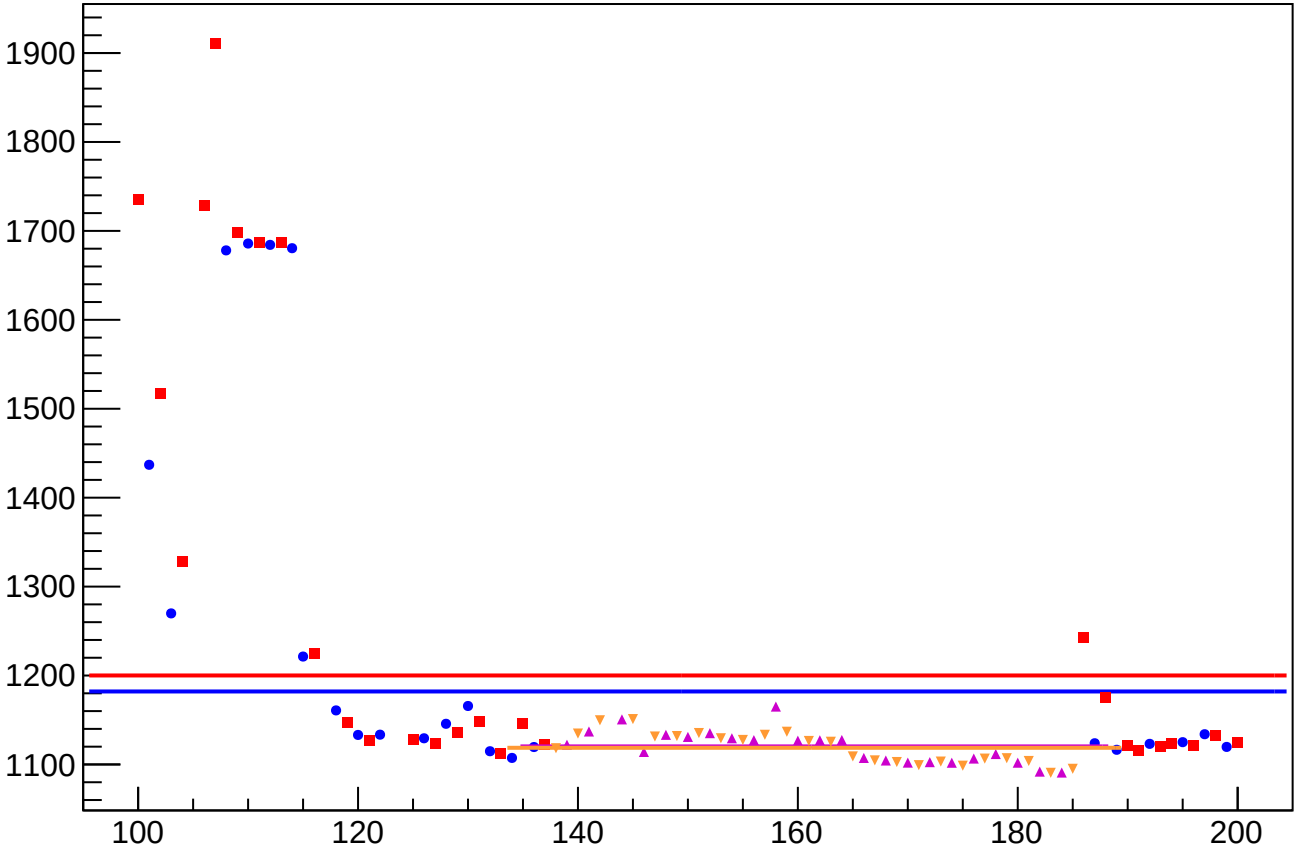
Right: 257.862+/-240.002 χ^2/NDF: 44.8/48

In: 97.471+/-209.611 χ^2/NDF:33.0/44

Out: 293.593+/-203.938 χ^2/NDF:55.3/50

All: 198.222+/-146.171 χ^2/NDF: 88.7/95

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

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

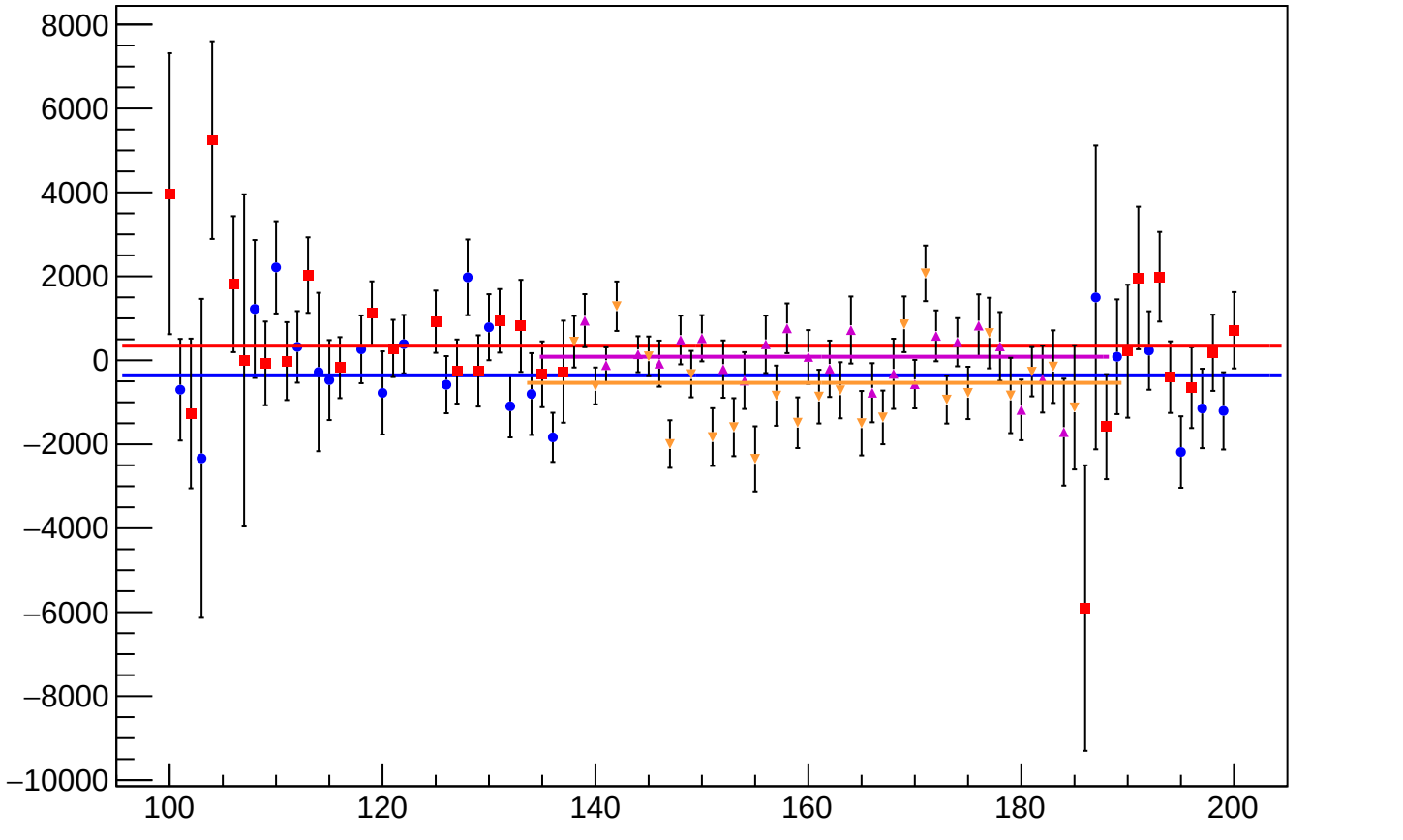
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1191.626+/-0.170 χ^2/NDF: 863951.4/48

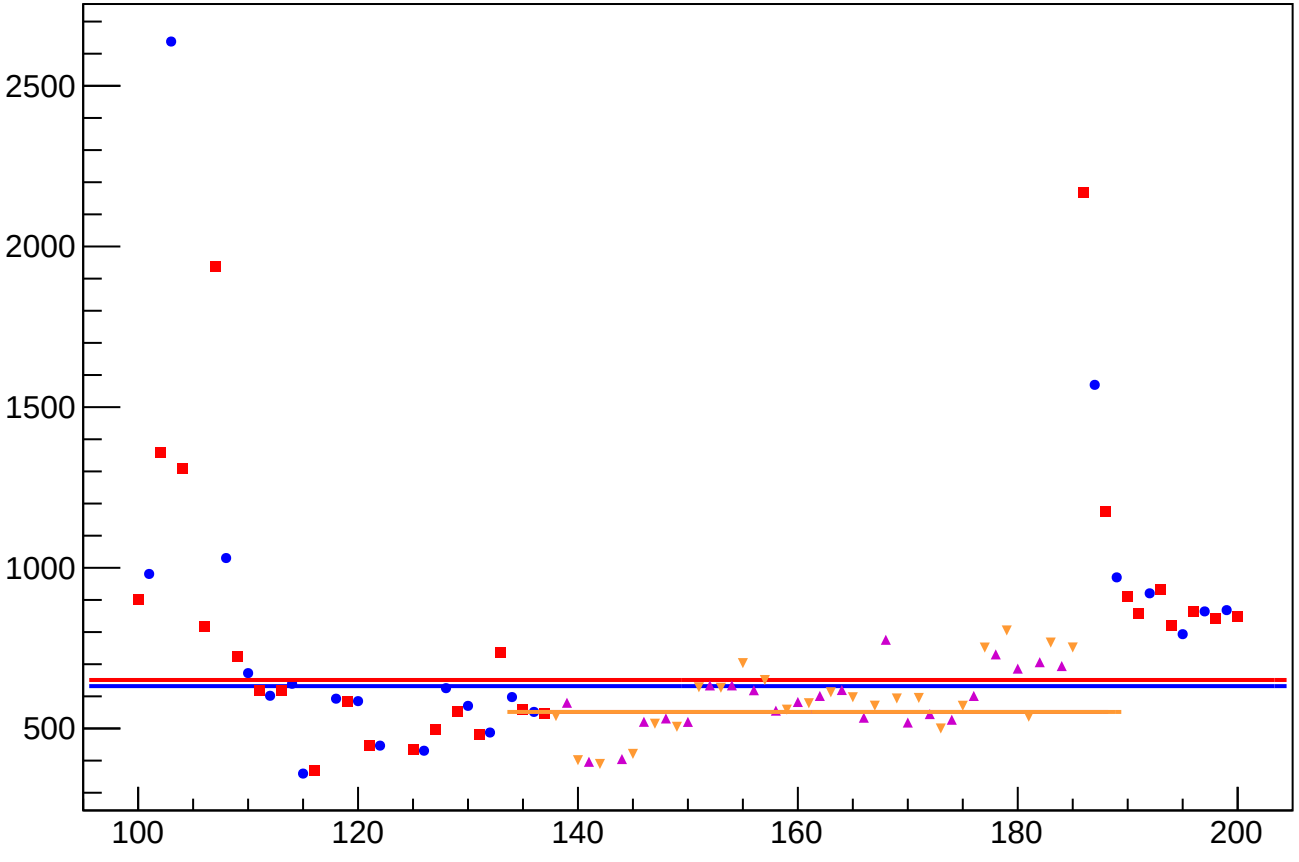
In: 1142.421+/-0.148 χ^2/NDF:383886.6/44

Out: 1149.900+/-0.144 χ^2/NDF:610059.1/50

All: 1146.263+/-0.103 χ^2/NDF: 995253.9/95


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: -357.132+/-197.763 χ²/NDF: 32.7/21
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: 7.105+/-137.613 χ²/NDF: 66.5/48
In: -49.619+/-109.193 χ²/NDF:53.4/44
Out: -255.081+/-107.943 χ²/NDF:103.3/50
All: -153.533+/-76.765 χ²/NDF: 158.4/95

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

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

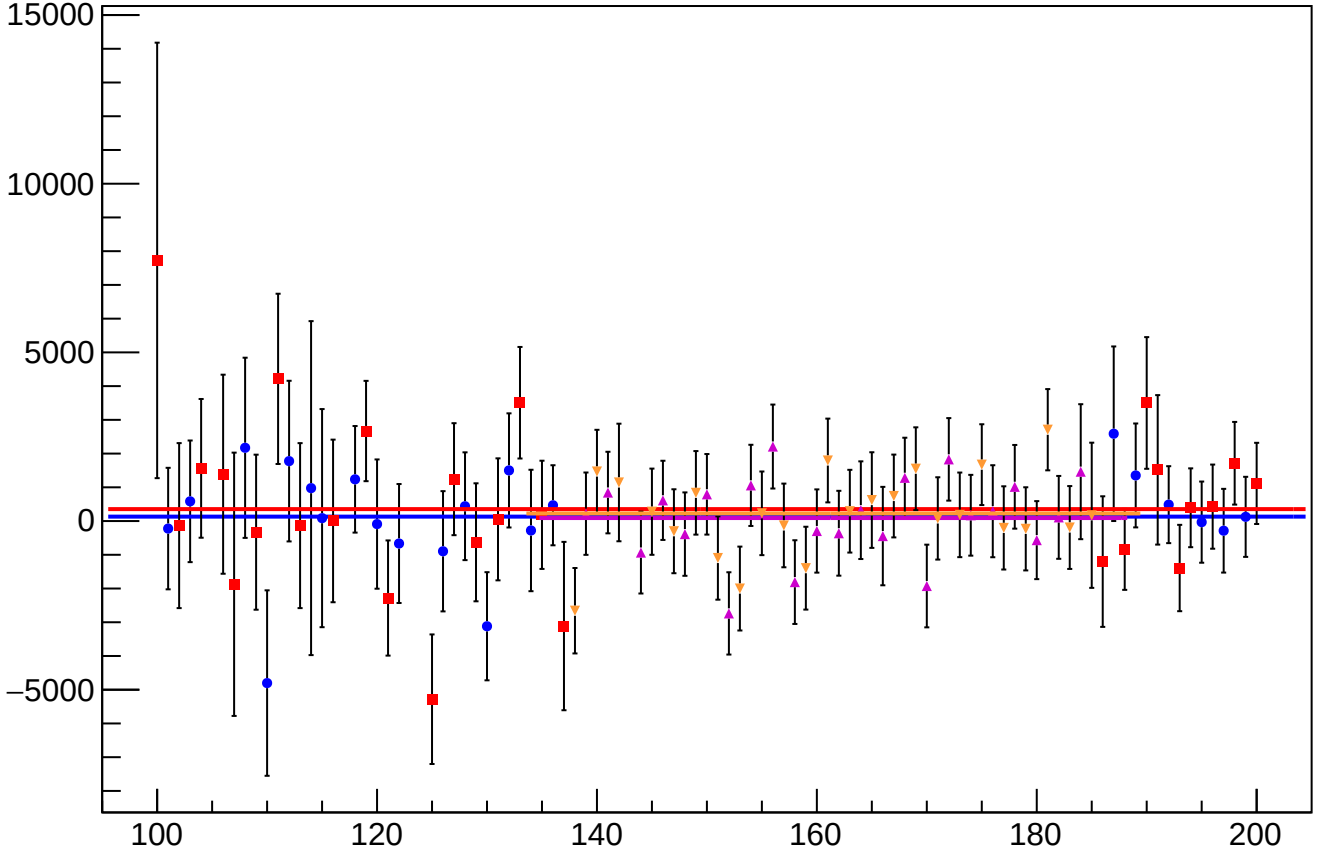
Right: 641.661+/-0.097 χ^2/NDF: 5243368.2/48

In: 575.866+/-0.077 χ^2/NDF:3529312.9/44

Out: 583.009+/-0.076 χ^2/NDF:4590929.7/50

All: 579.479+/-0.054 χ^2/NDF: 8124571.8/95

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.191+/-352.446 χ^2/NDF: 12.1/21

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

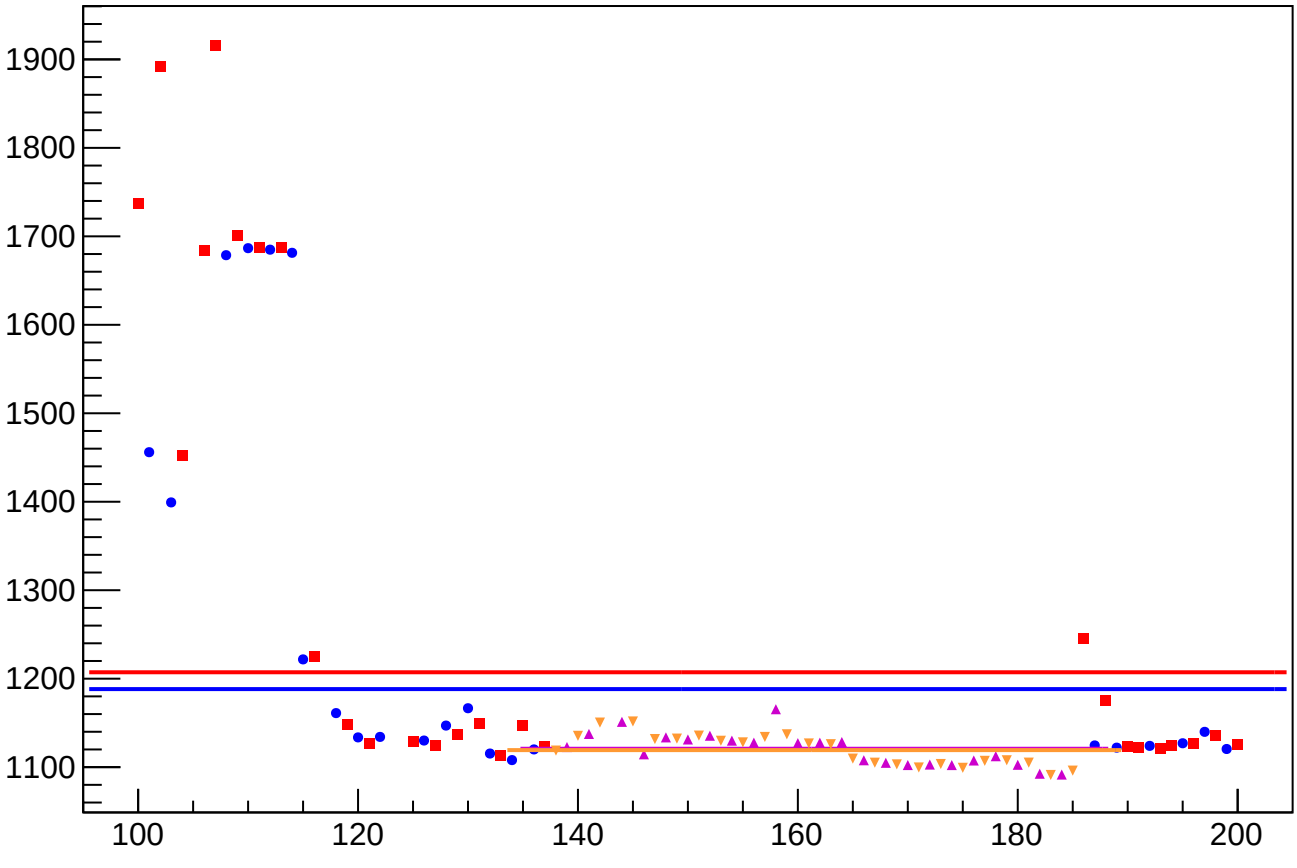
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 249.130+/-241.886 χ^2/NDF: 44.6/48

In: 104.047+/-210.120 χ^2/NDF:32.7/44

Out: 274.361+/-204.750 χ^2/NDF:54.6/50

All: 191.408+/-146.642 χ^2/NDF: 87.6/95



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.7/21

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

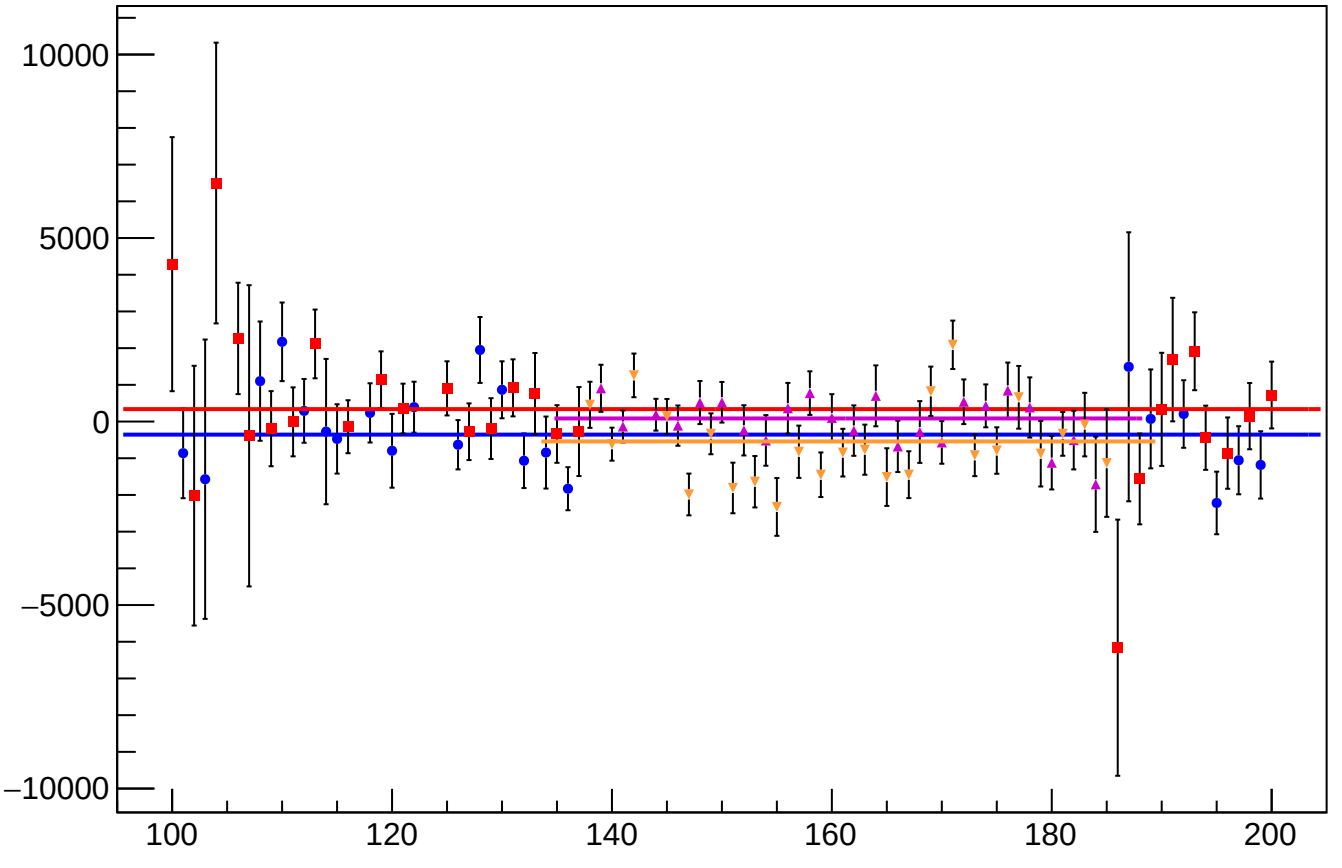
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1198.289+/-0.171 χ^2/NDF: 1007396.4/48

In: 1144.767+/-0.149 χ^2/NDF:416693.9/44

Out: 1152.608+/-0.145 χ^2/NDF:739309.5/50

All: 1148.789+/-0.104 χ^2/NDF: 1157431.8/95



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

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

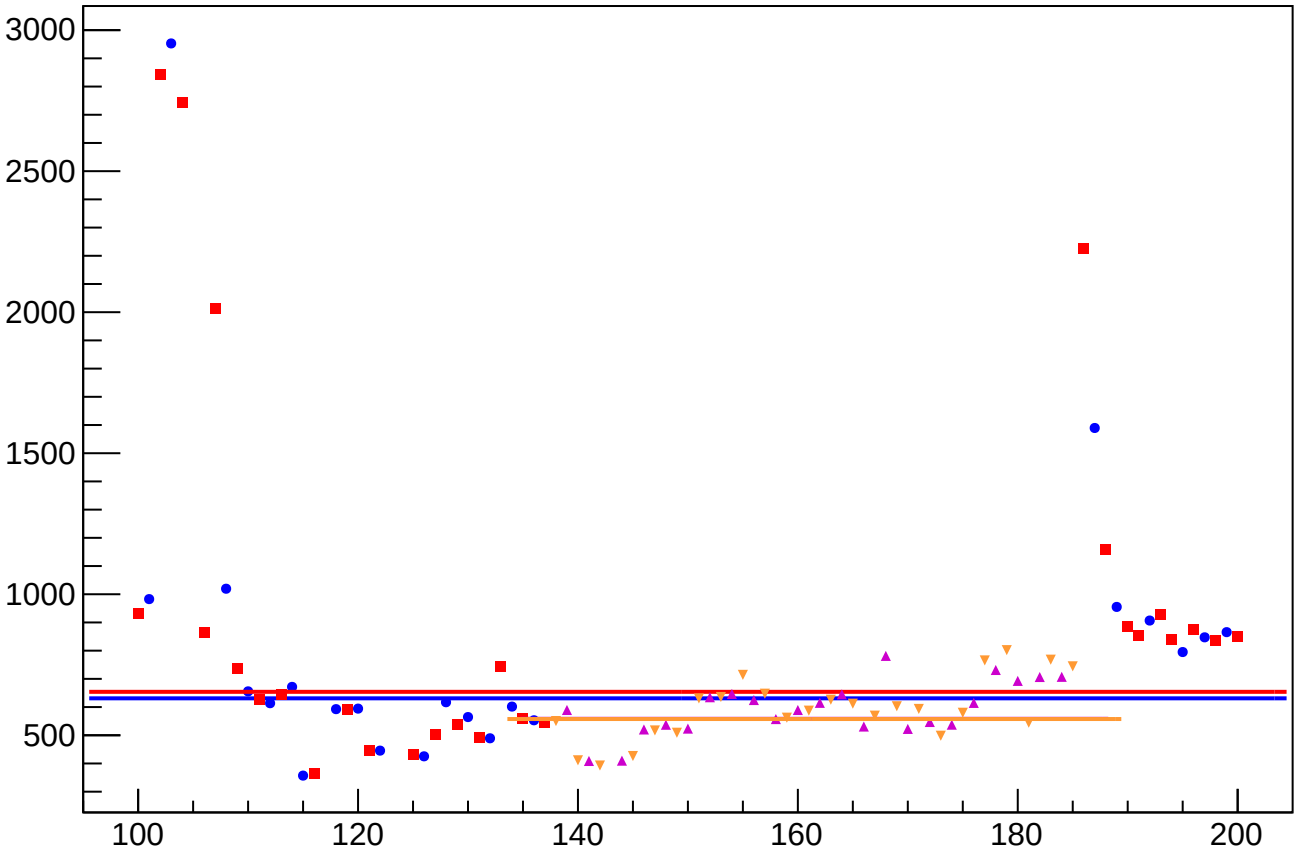
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -2.204+/-138.203 χ^2/NDF: 65.1/48

In: -52.815+/-110.029 χ^2/NDF:52.5/44

Out: -262.237+/-109.073 χ^2/NDF:101.1/50

All: -158.439+/-77.462 χ^2/NDF: 155.4/95



Right In: 630.938+/-0.140 χ^2/NDF: 2402088.8/21

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

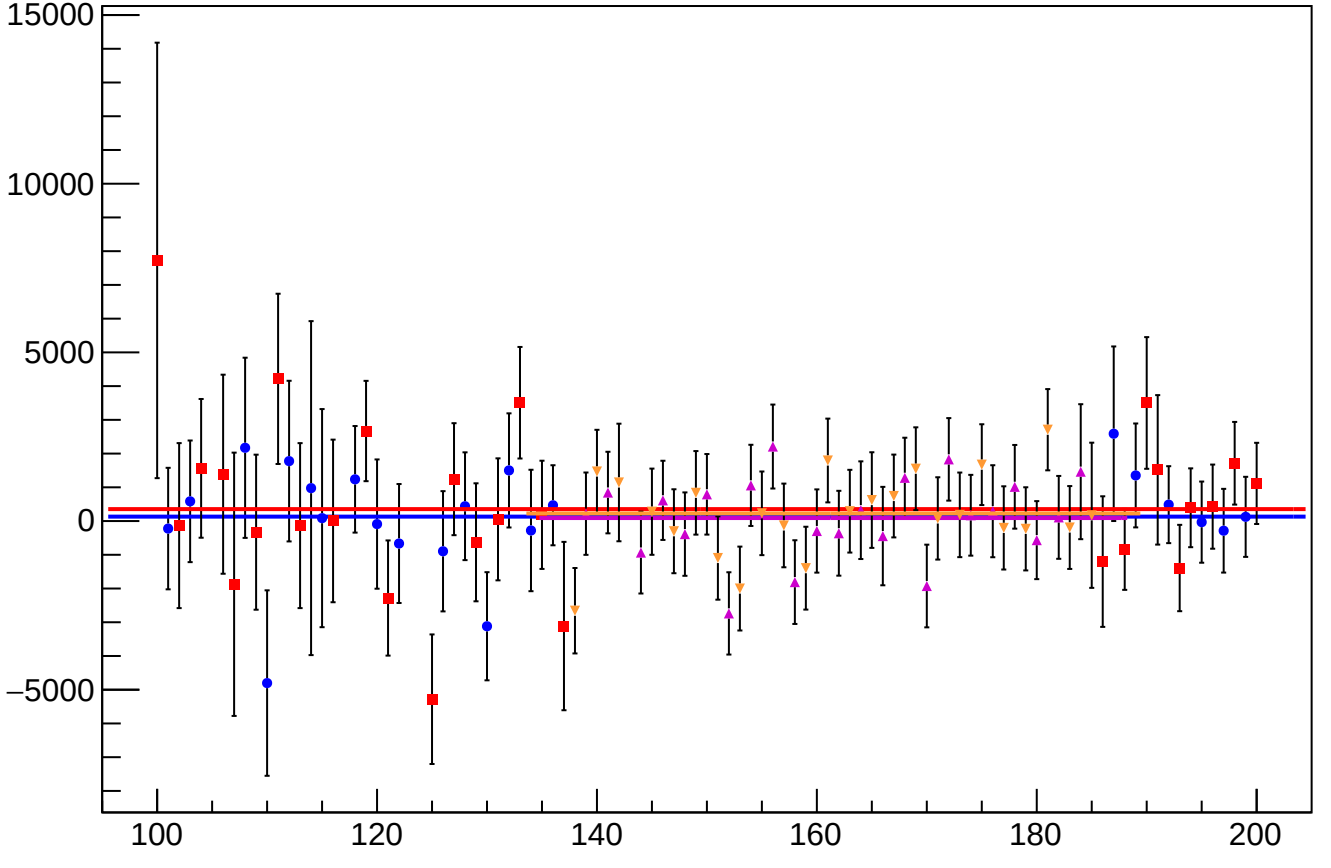
Right: 642.705+/-0.098 χ^2/NDF: 6336760.7/48

In: 580.949+/-0.078 χ^2/NDF:3616178.3/44

Out: 588.196+/-0.077 χ^2/NDF:5452712.9/50

All: 584.604+/-0.055 χ^2/NDF: 9073266.7/95

eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.192+/-352.446 χ^2/NDF: 12.1/21

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: 249.130+/-241.886 χ^2/NDF: 44.6/48

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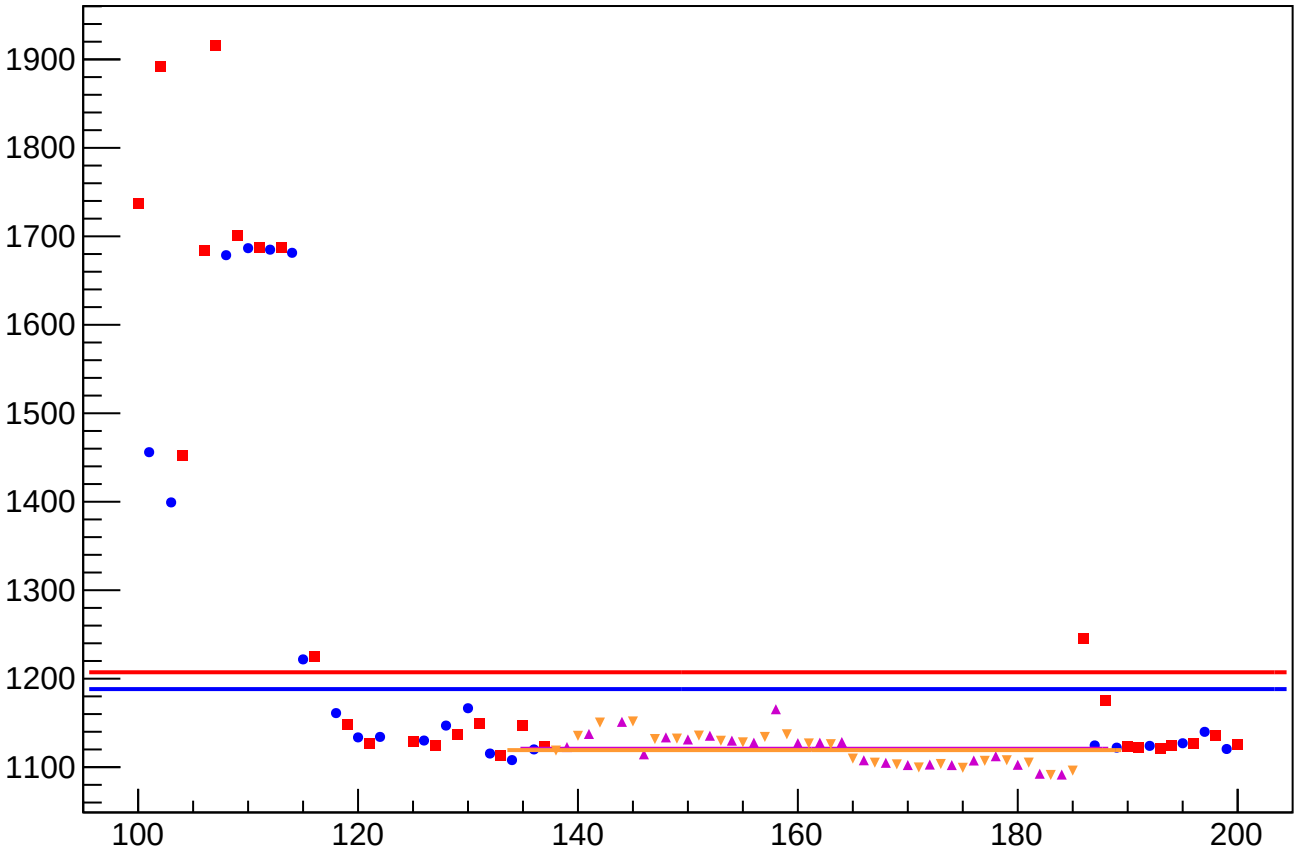
Out: 274.360+/-204.750 χ^2/NDF:54.6/50

All: 191.408+/-146.642 χ^2/NDF: 87.6/95



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.3/21

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

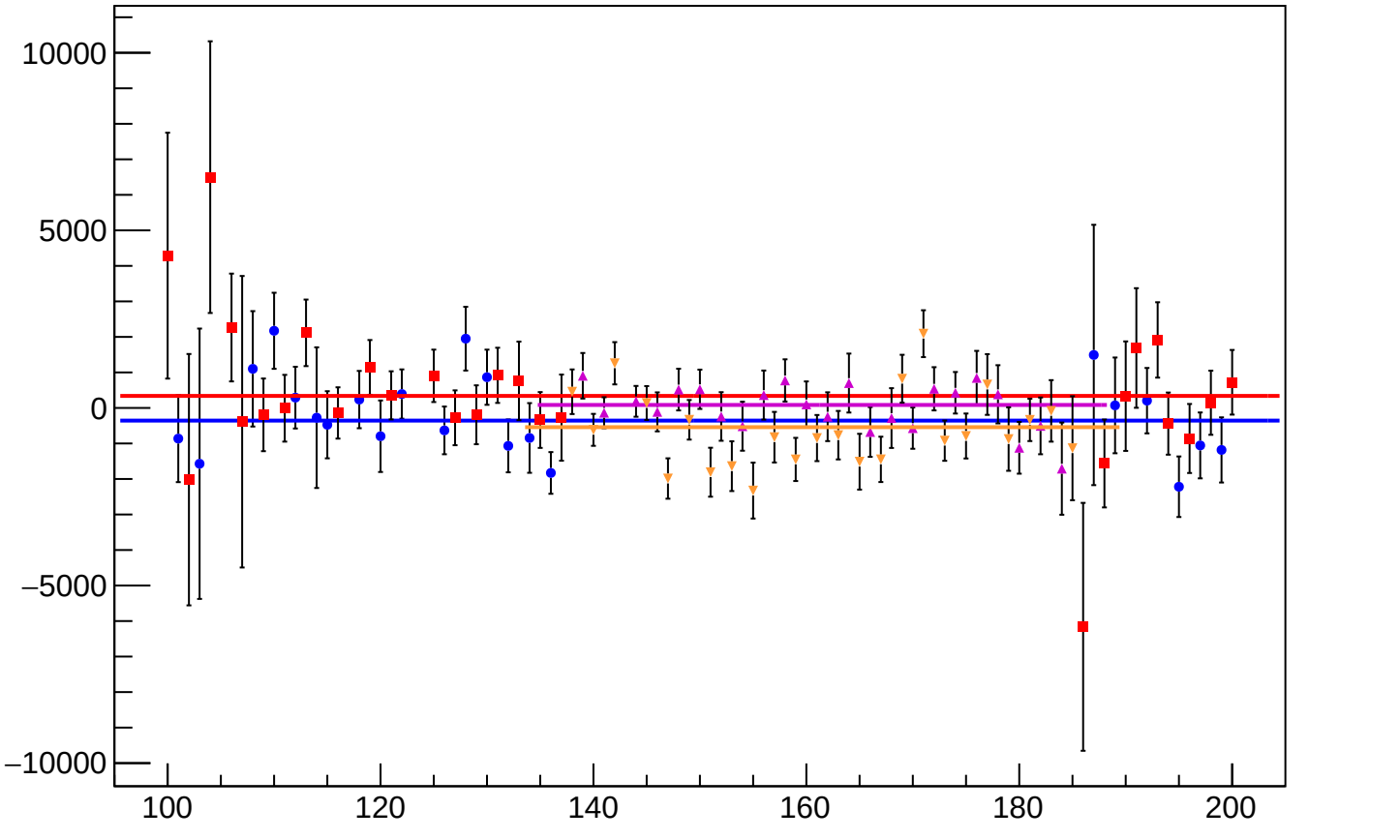
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1198.289+/-0.171 χ^2/NDF: 1007395.3/48

In: 1144.767+/-0.149 χ^2/NDF:416693.3/44

Out: 1152.608+/-0.145 χ^2/NDF:739308.7/50

All: 1148.789+/-0.104 χ^2/NDF: 1157430.5/95



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

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

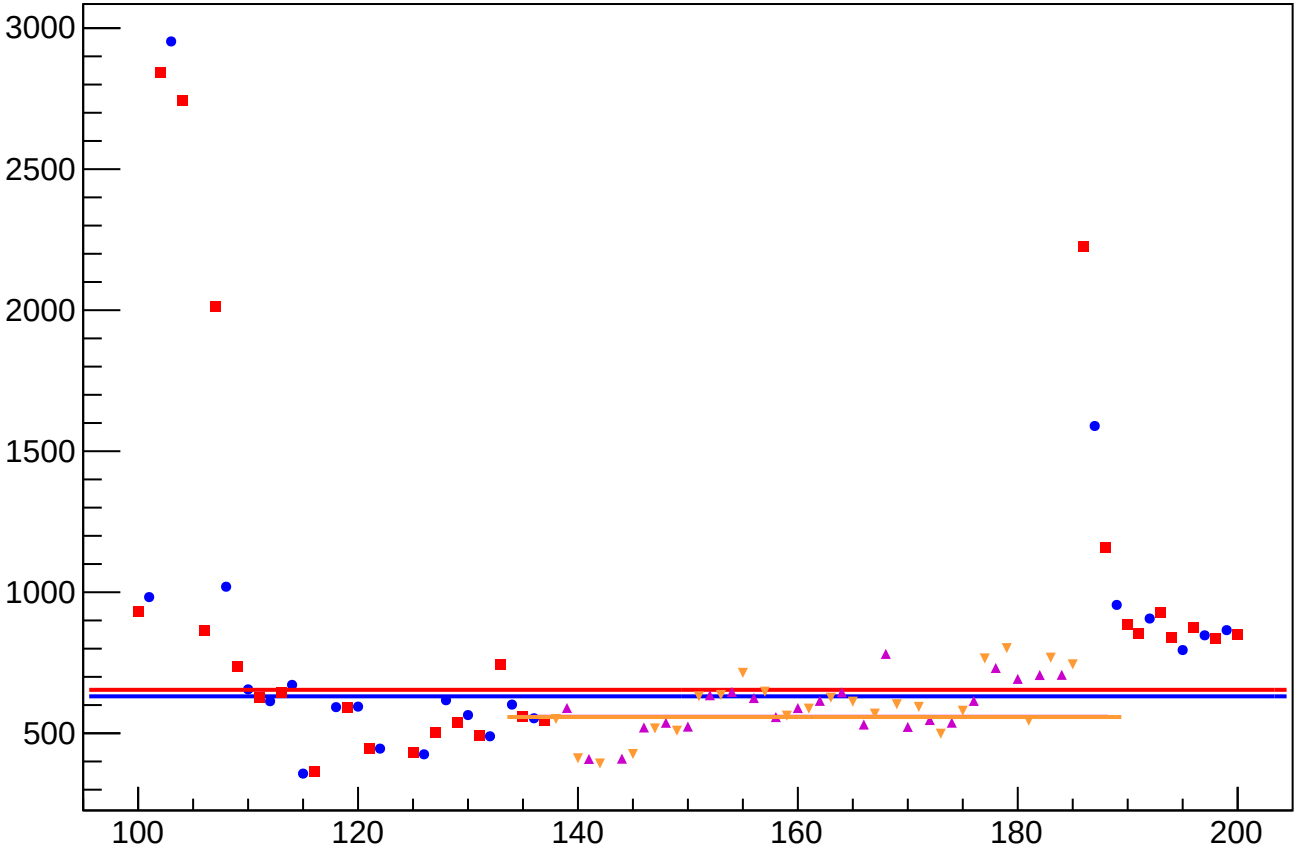
Right: -2.204+/-138.202 χ^2/NDF: 65.1/48

In: -52.815+/-110.029 χ^2/NDF:52.5/44

Out: -262.236+/-109.073 χ^2/NDF:101.1/50

All: -158.439+/-77.462 χ^2/NDF: 155.4/95

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 630.938+/-0.140 χ^2/NDF: 2402084.5/21

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

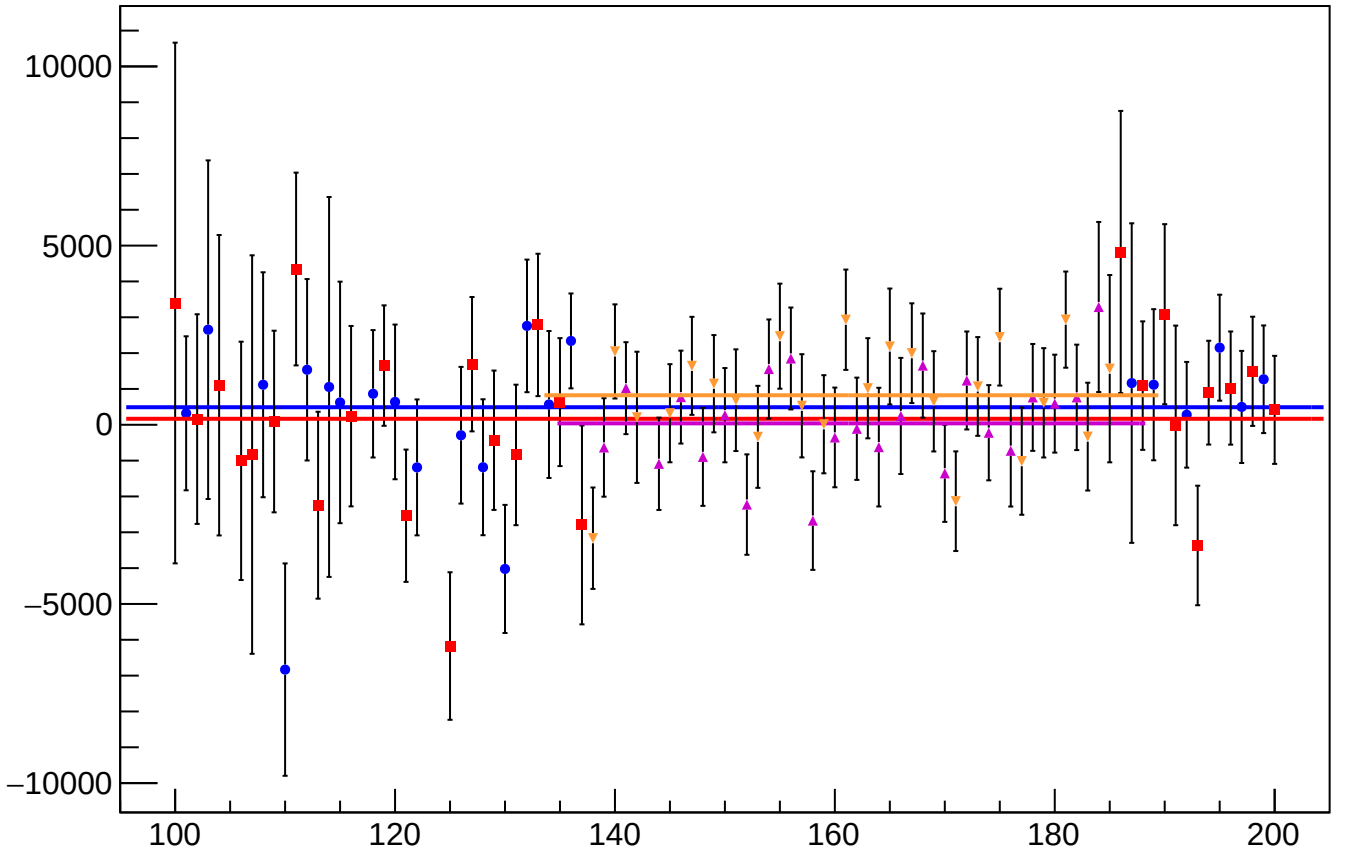
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 642.704+/-0.098 χ^2/NDF: 6336756.4/48

In: 580.949+/-0.078 χ^2/NDF:3616190.8/44

Out: 588.195+/-0.077 χ^2/NDF:5452738.1/50

All: 584.604+/-0.055 χ^2/NDF: 9073304.4/95



Right In: 489.693+/-423.471 χ^2/NDF: 19.8/21

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

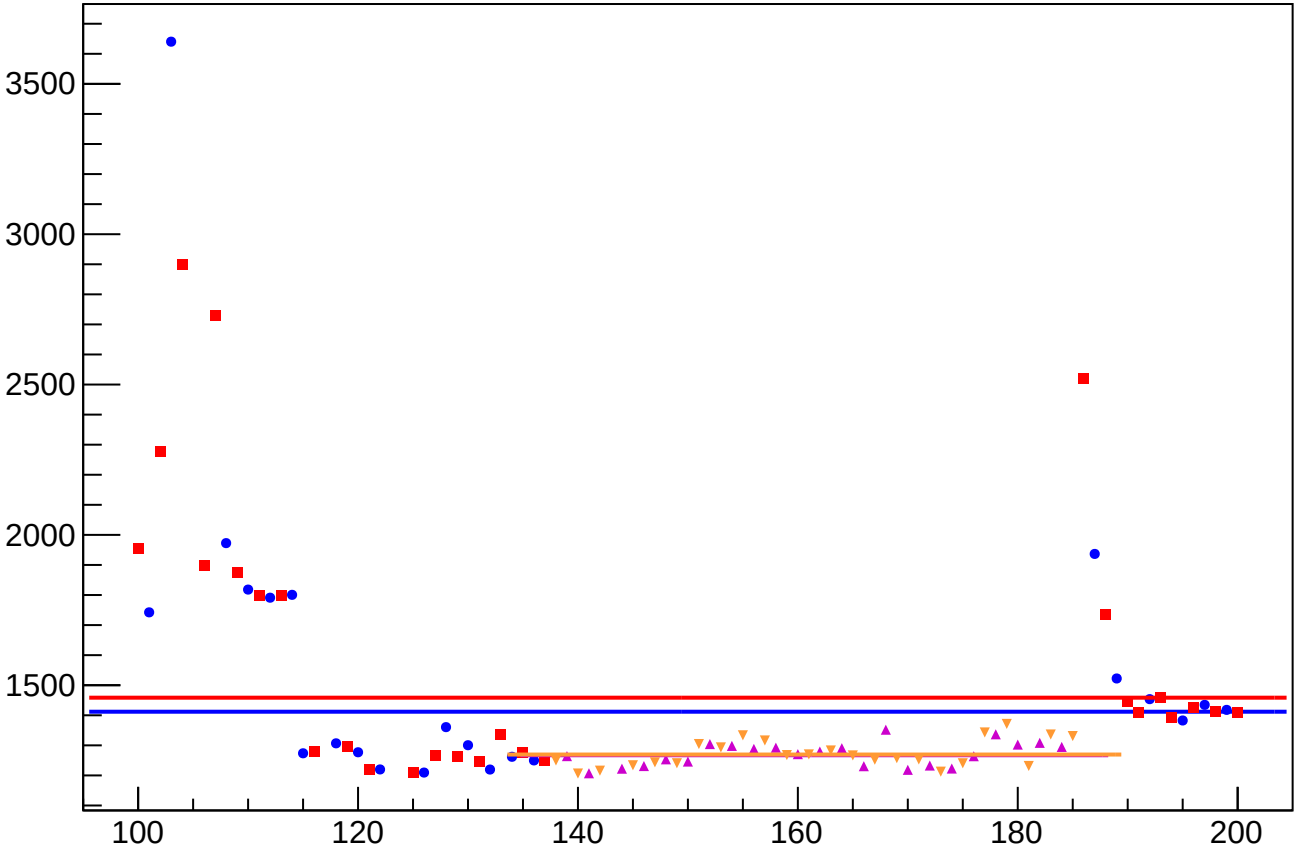
Right: 321.505+/-292.963 χ^2/NDF: 49.0/48

In: 187.397+/-242.611 χ^2/NDF:38.4/44

Out: 596.547+/-238.510 χ^2/NDF:56.8/50

All: 395.460+/-170.083 χ^2/NDF: 96.7/95

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1411.875+/-0.299 χ^2/NDF: 817996.0/21

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

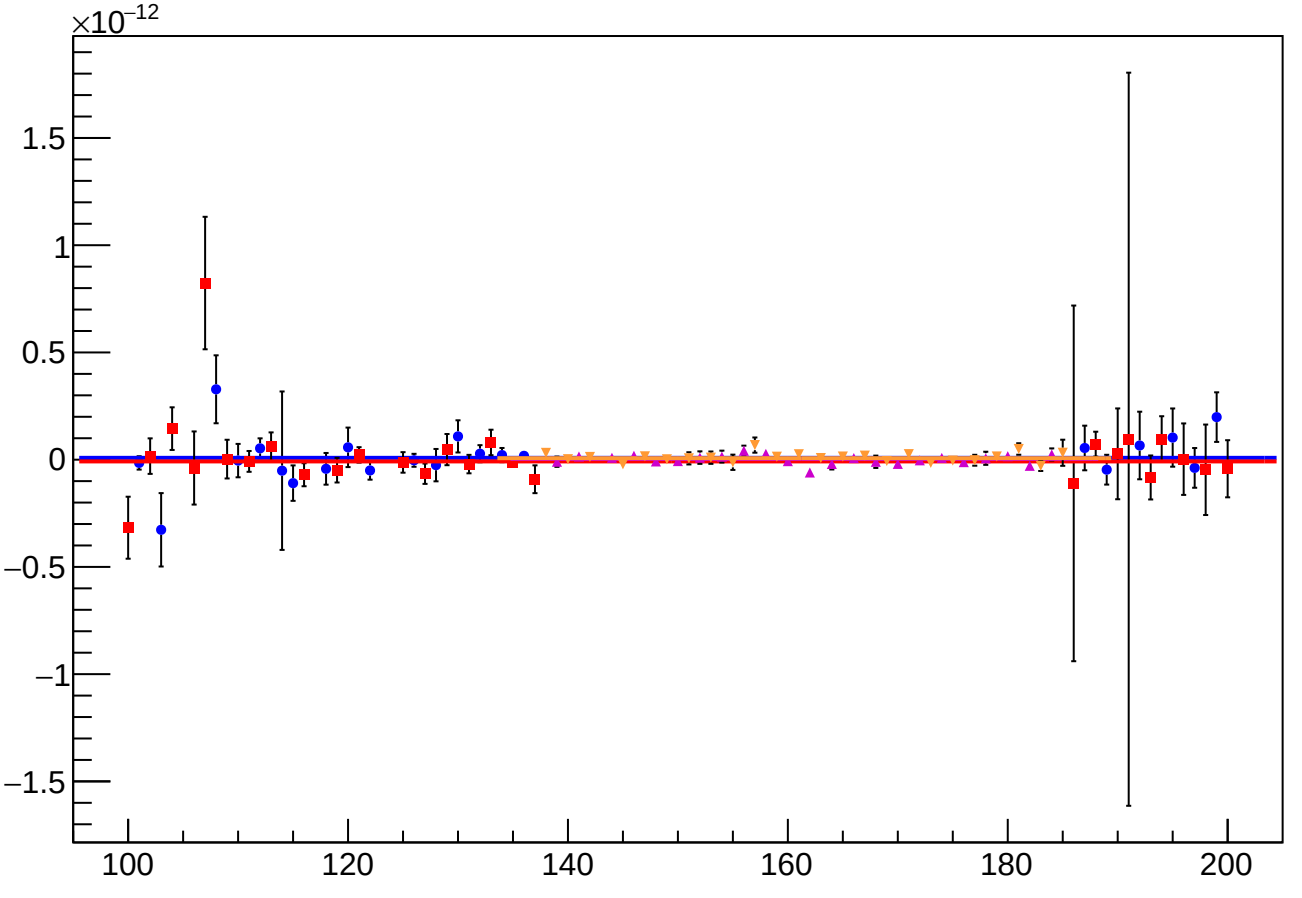
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1436.209+/-0.207 χ^2/NDF: 1890926.9/48

In: 1314.596+/-0.172 χ^2/NDF:1009650.7/44

Out: 1334.793+/-0.169 χ^2/NDF:1387643.7/50

All: 1324.867+/-0.120 χ^2/NDF: 2404342.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

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

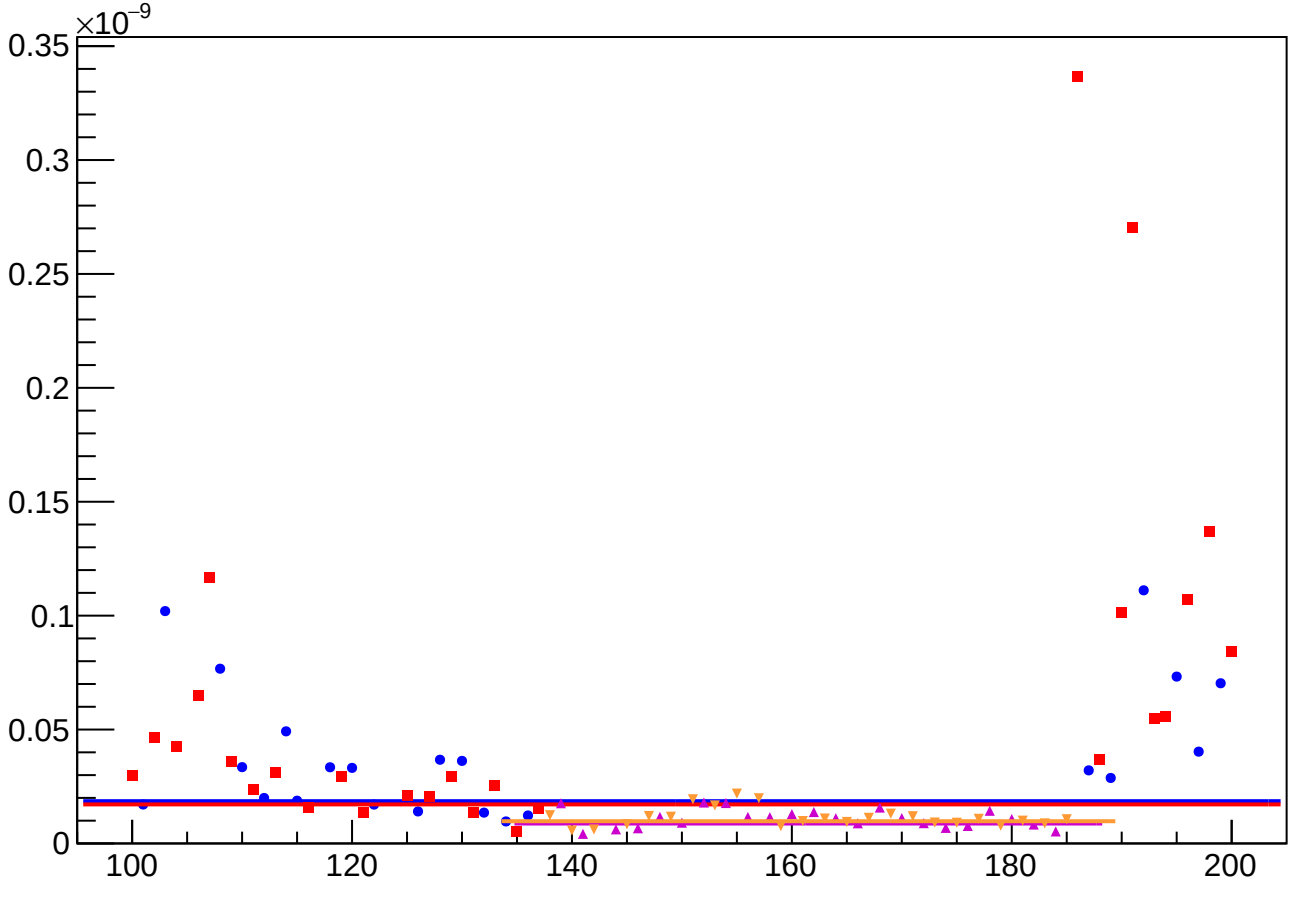
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 50.2/48

In: 0.000+/-0.000 χ^2/NDF:44.5/44

Out: 0.000+/-0.000 χ^2/NDF:49.3/50

All: 0.000+/-0.000 χ^2/NDF: 93.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 3239640.1/21

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

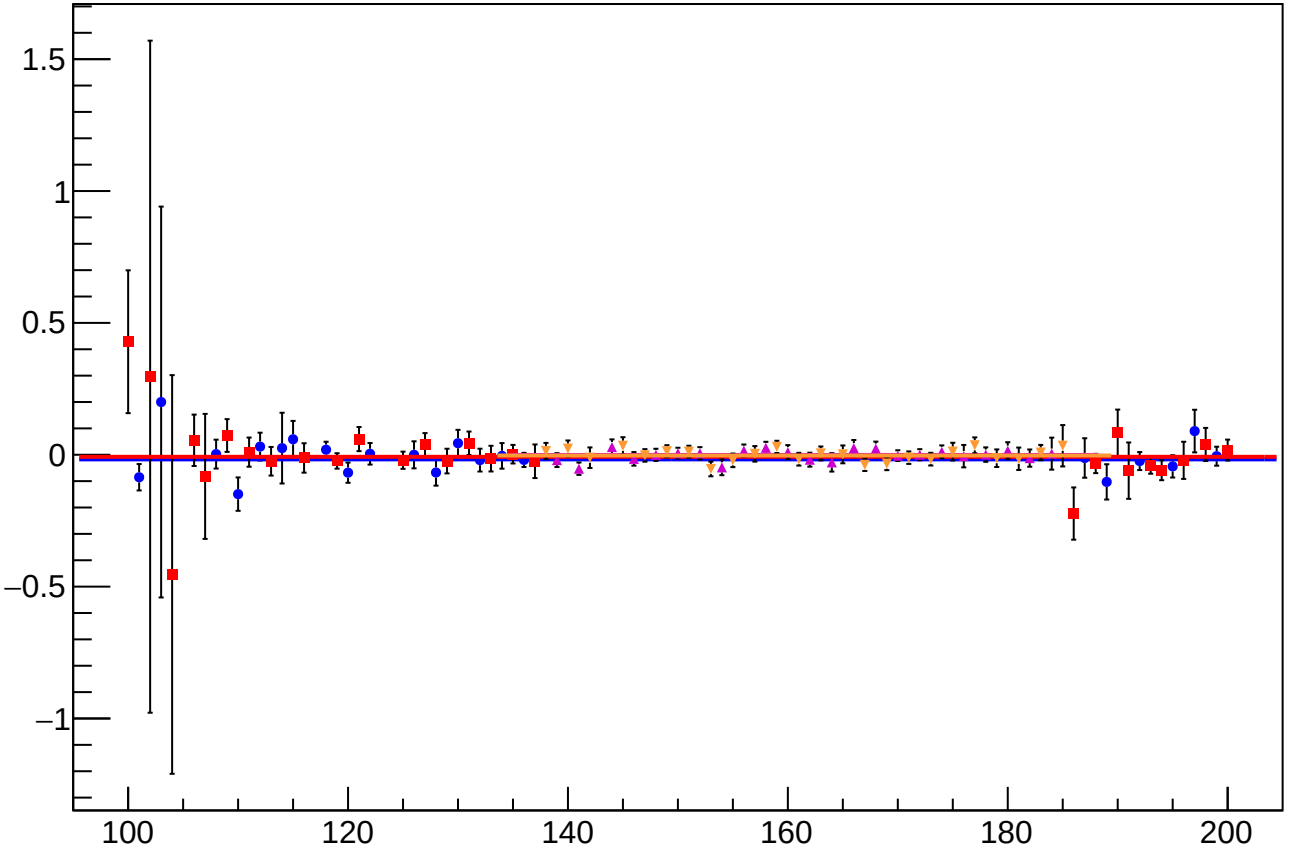
Right: 0.000+/-0.000 χ^2/NDF: 8809248.4/48

In: 0.000+/-0.000 χ^2/NDF:6717341.7/44

Out: 0.000+/-0.000 χ^2/NDF:7827181.0/50

All: 0.000+/-0.000 χ^2/NDF: 14605019.7/95

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

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

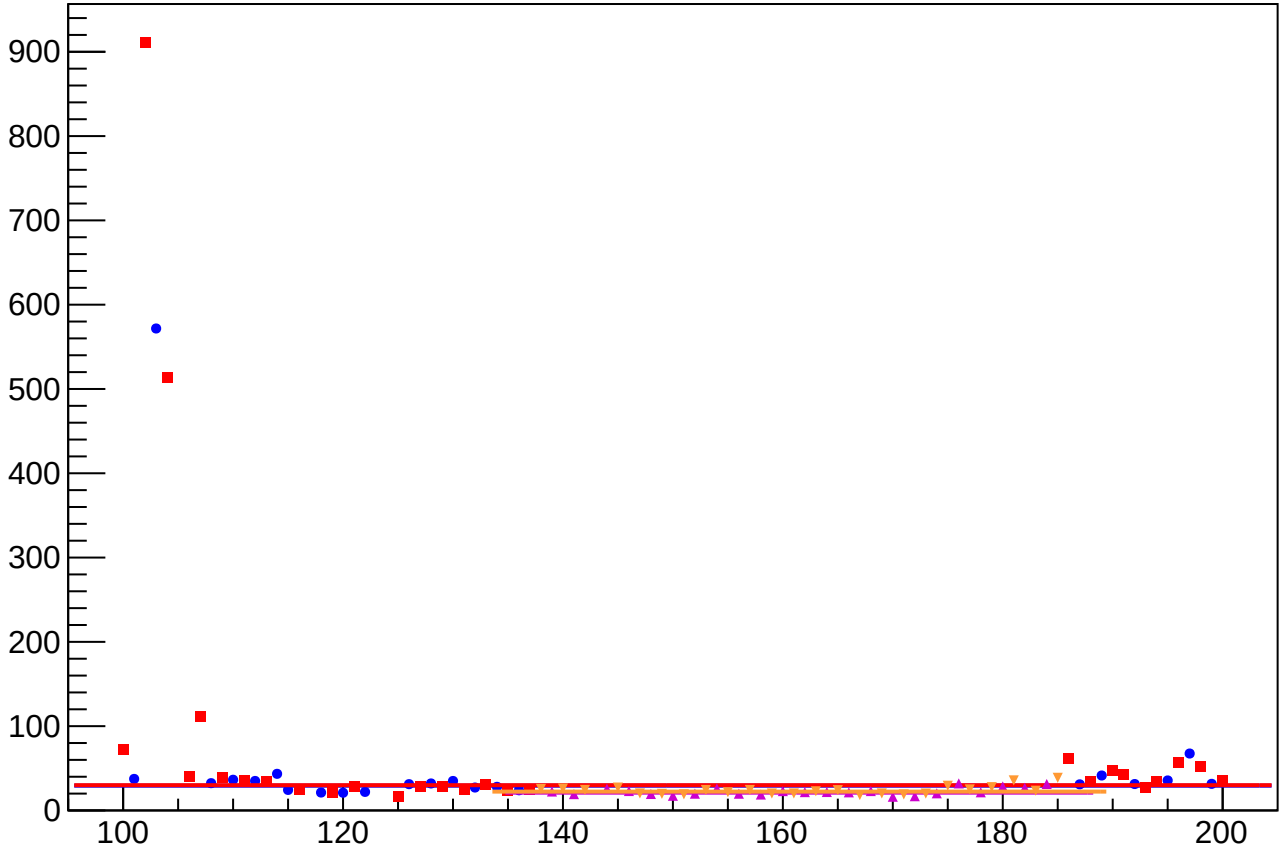
Right: -0.013+/-0.007 χ^2/NDF: 40.0/48

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.2/95

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

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

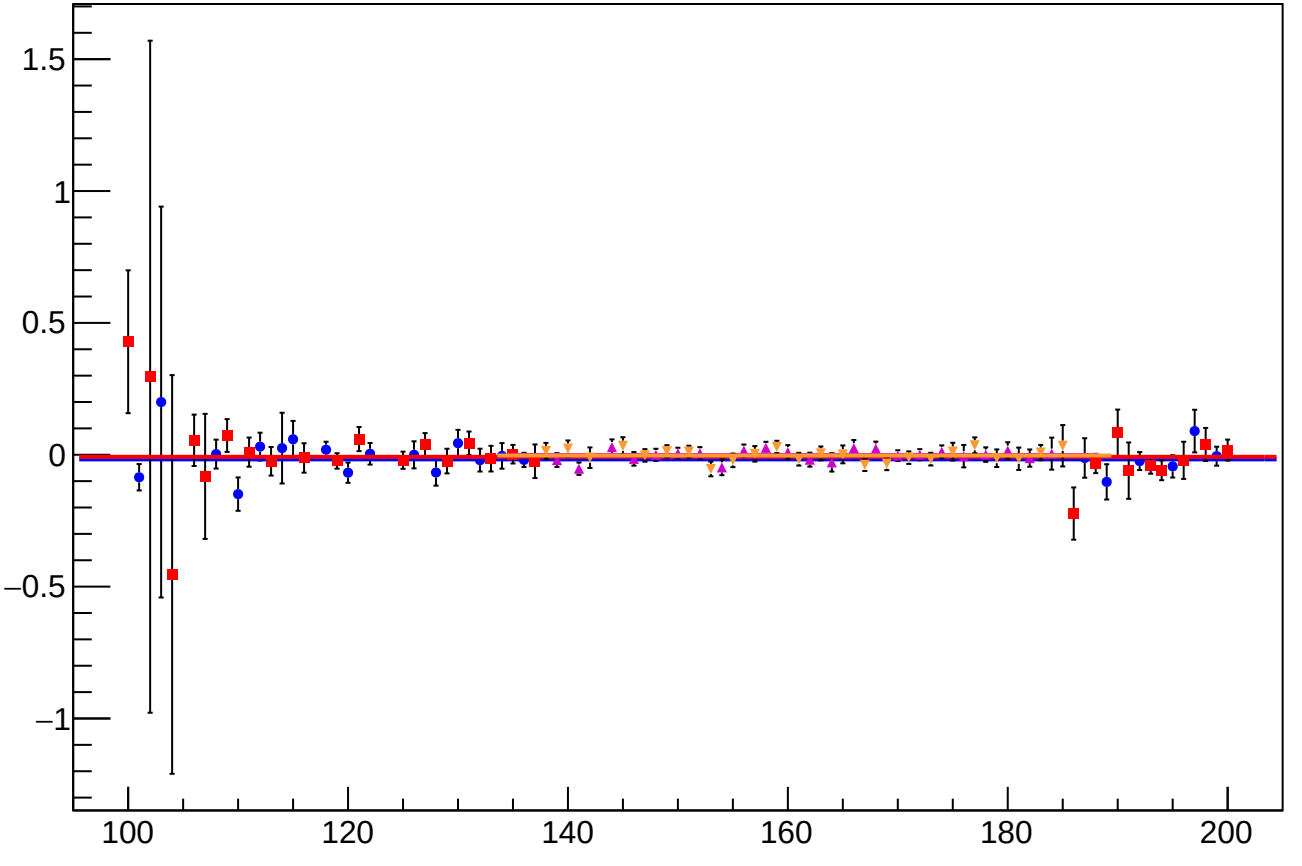
Right: 29.686+/-0.005 χ^2/NDF: 5968787.7/48

In: 23.042+/-0.003 χ^2/NDF:4100493.0/44

Out: 24.314+/-0.003 χ^2/NDF:5501907.0/50

All: 23.663+/-0.002 χ^2/NDF: 9671503.5/95

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

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

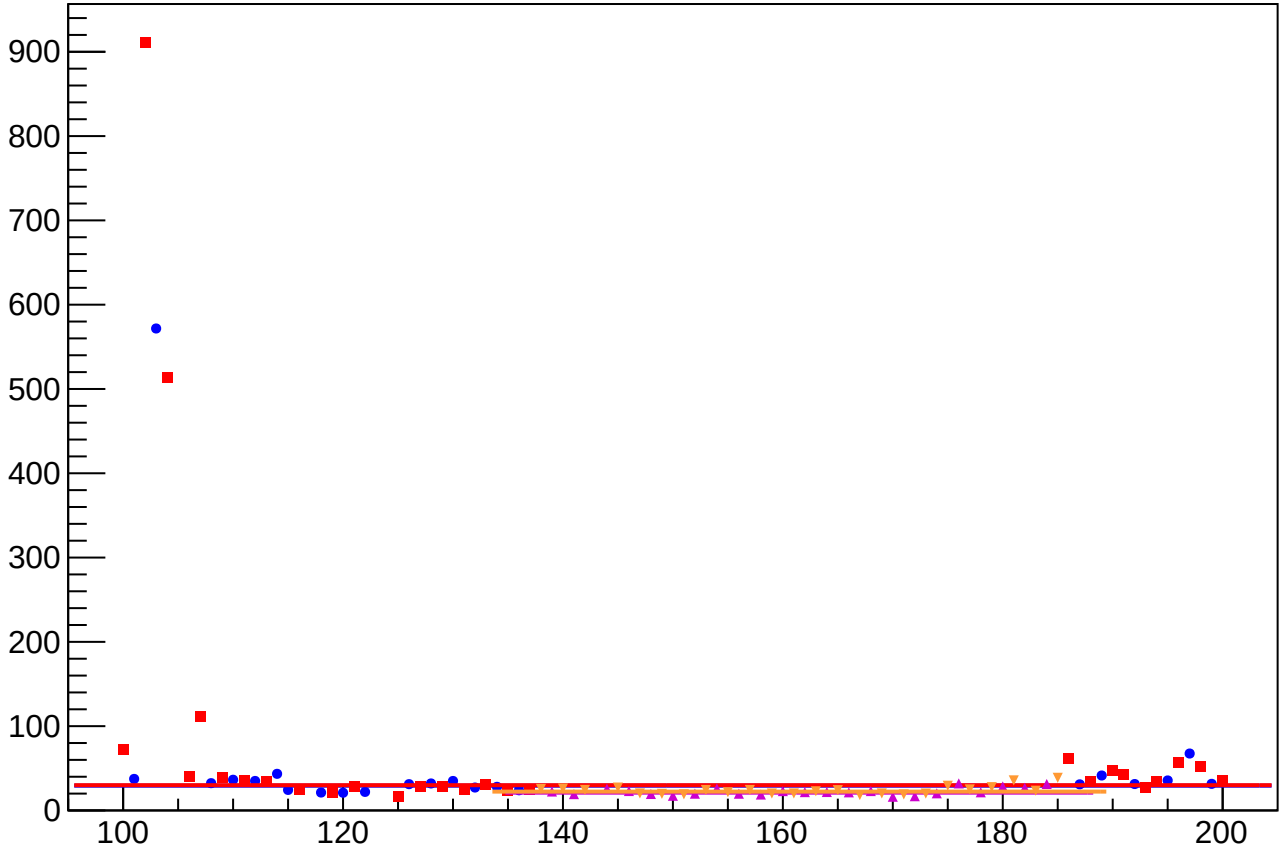
Right: -0.013+/-0.007 χ^2/NDF: 40.0/48

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.2/95

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

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

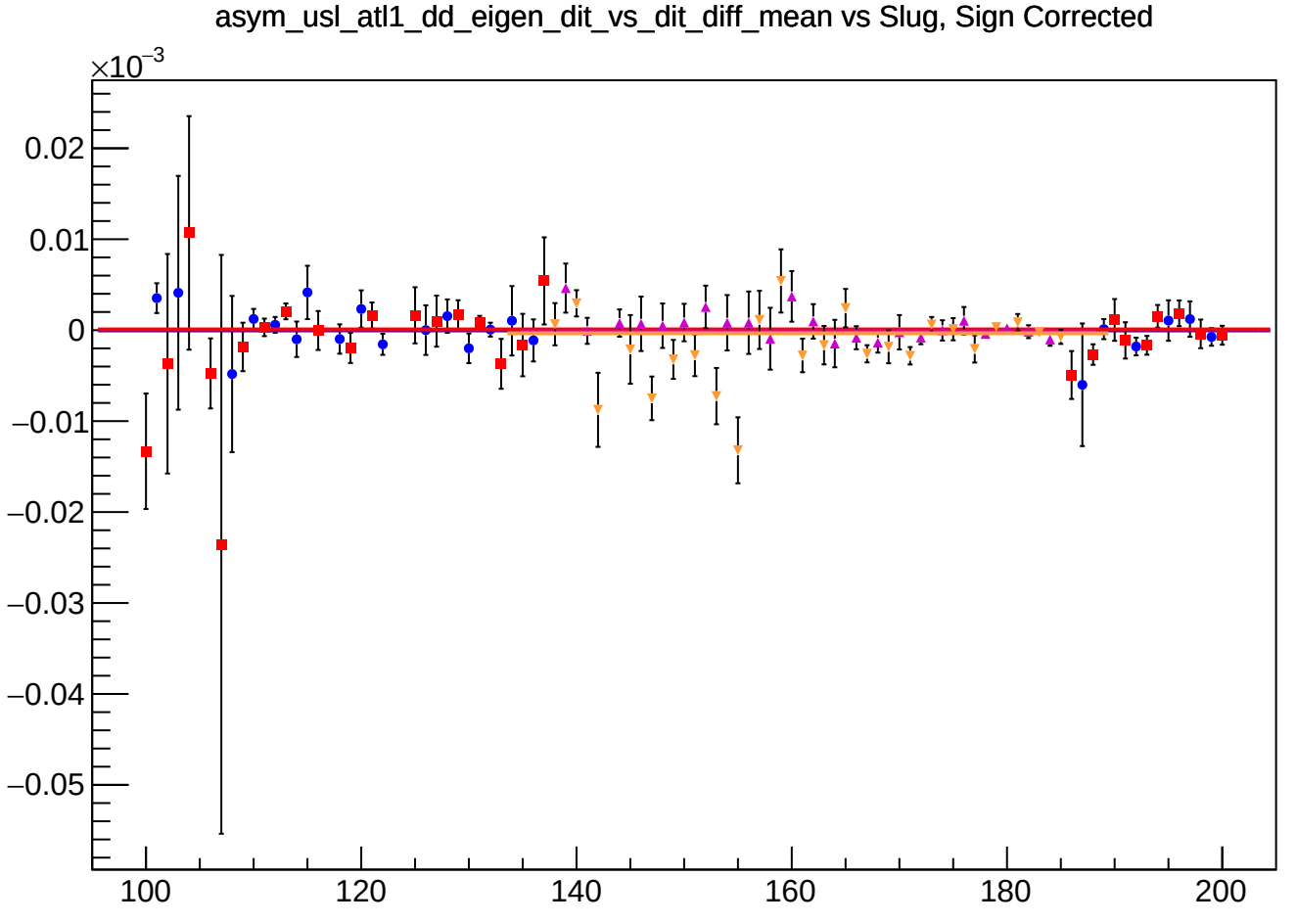
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.686+/-0.005 χ^2/NDF: 5968787.7/48

In: 23.042+/-0.003 χ^2/NDF:4100493.0/44

Out: 24.314+/-0.003 χ^2/NDF:5501907.0/50

All: 23.663+/-0.002 χ^2/NDF: 9671503.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/21

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

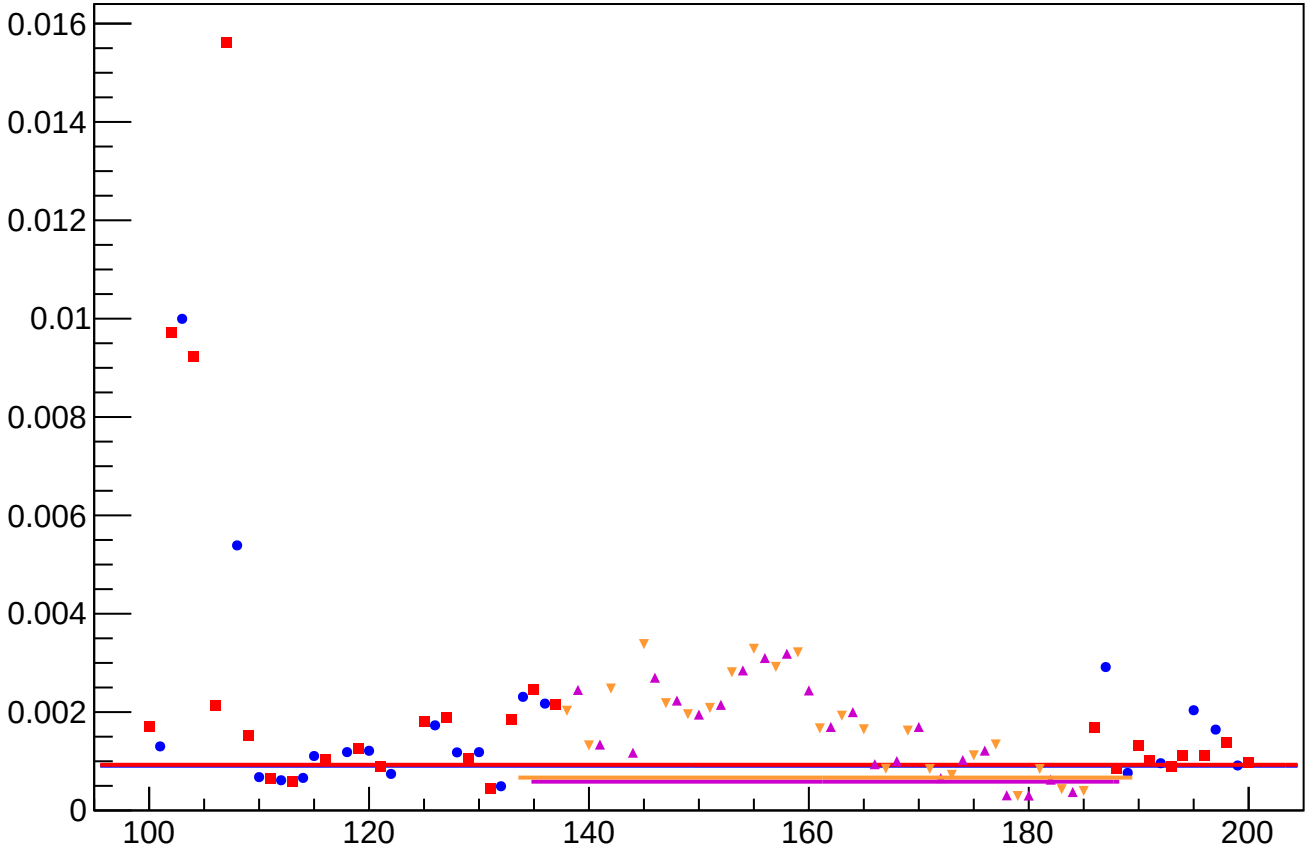
Right: 0.000+/-0.000 χ^2/NDF: 58.2/48

In: -0.000+/-0.000 χ^2/NDF:34.7/44

Out: -0.000+/-0.000 χ^2/NDF:107.2/50

All: -0.000+/-0.000 χ^2/NDF: 142.1/95

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4924672.2/21

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

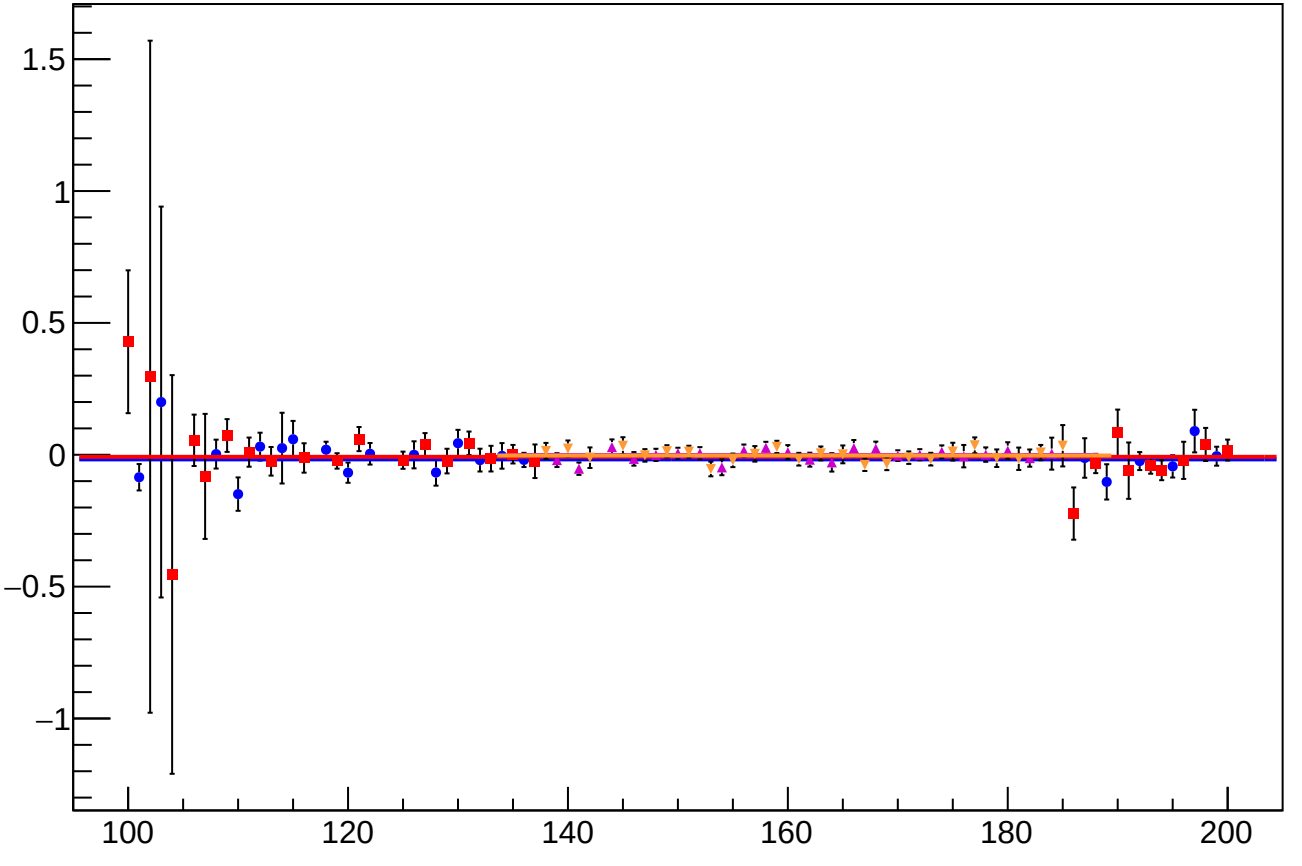
Right: 0.001+/-0.000 χ^2/NDF: 10545808.8/48

In: 0.001+/-0.000 χ^2/NDF:22197140.9/44

Out: 0.001+/-0.000 χ^2/NDF:22015182.7/50

All: 0.001+/-0.000 χ^2/NDF: 44435590.8/95

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

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

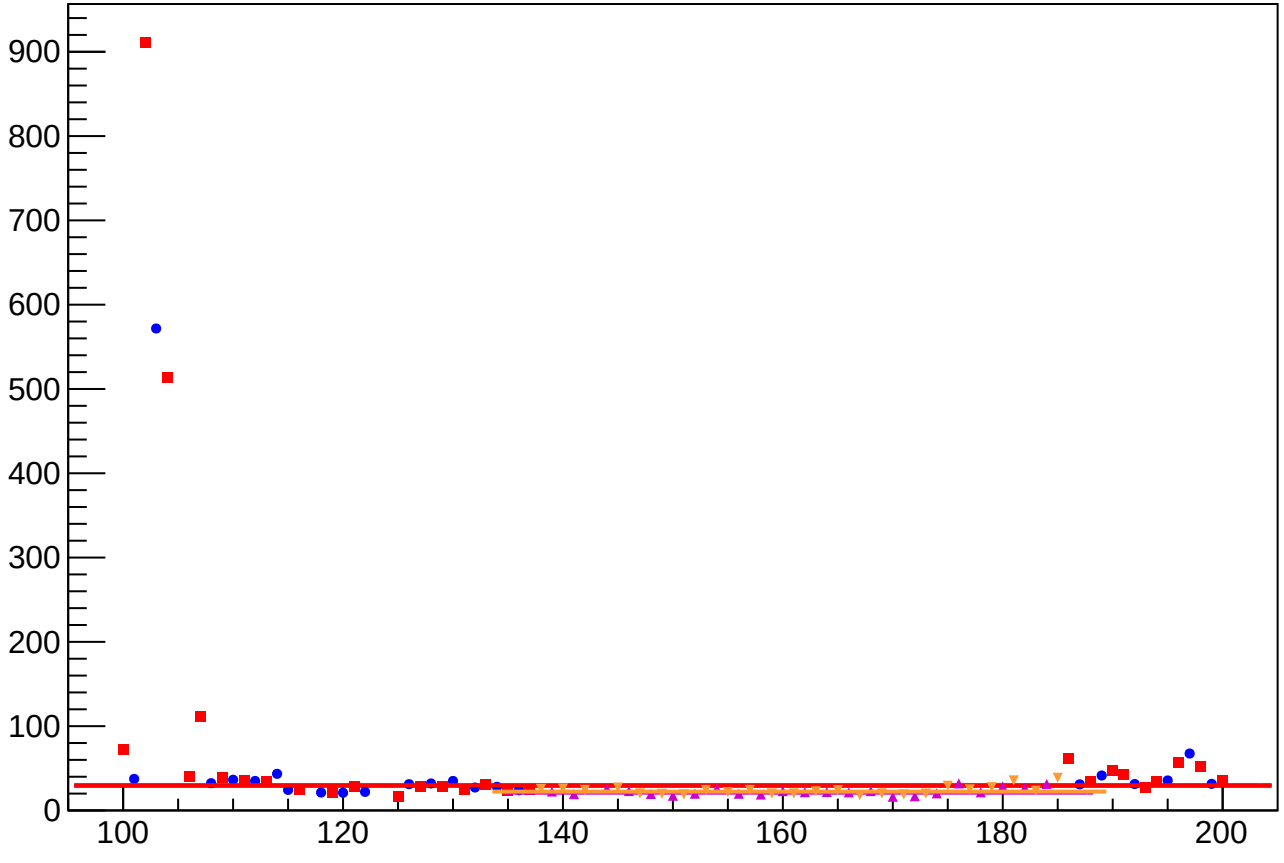
Right: -0.013+/-0.007 χ^2/NDF: 40.0/48

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.2/95

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

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

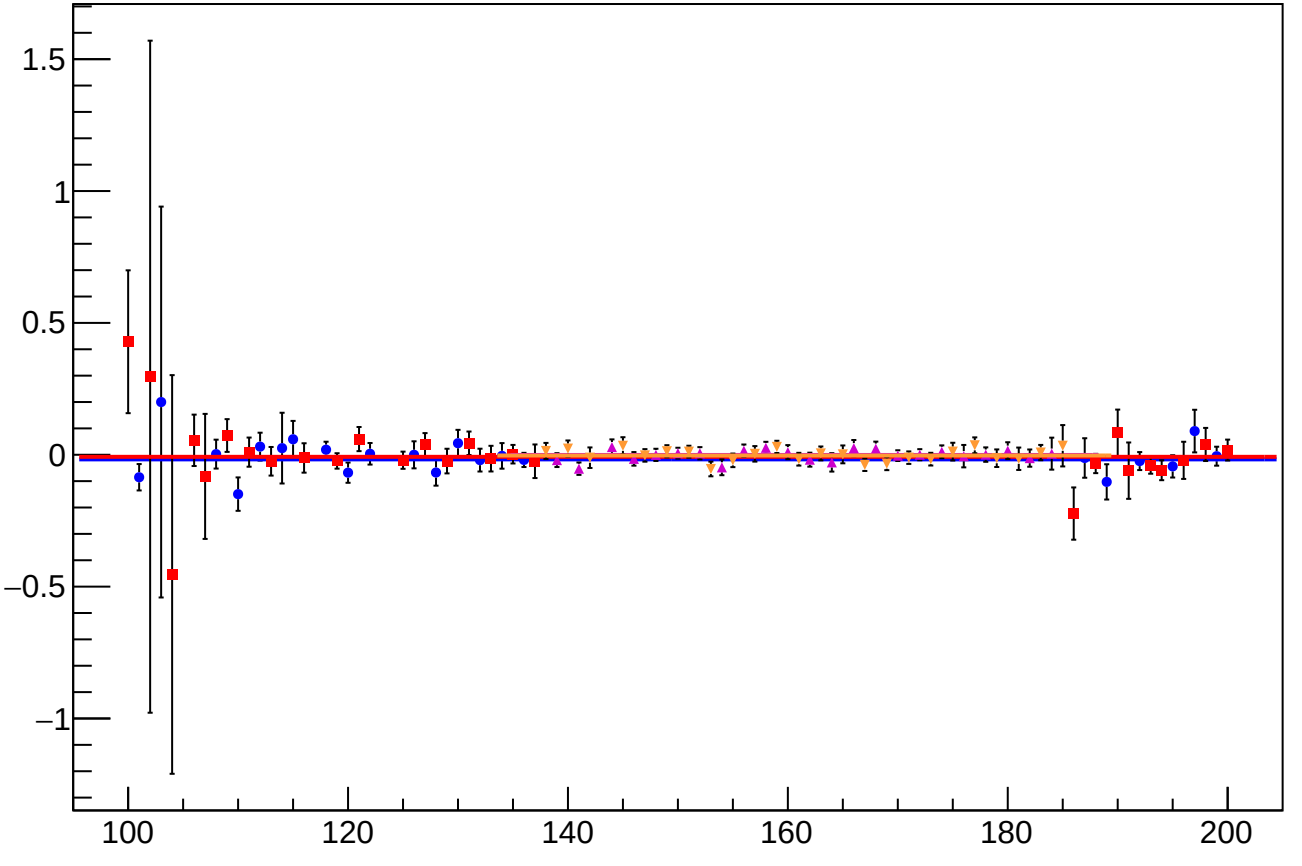
Right: 29.686+/-0.005 χ^2/NDF: 5968825.0/48

In: 23.042+/-0.003 χ^2/NDF:4100518.0/44

Out: 24.314+/-0.003 χ^2/NDF:5501908.8/50

All: 23.663+/-0.002 χ^2/NDF: 9671528.2/95

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

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

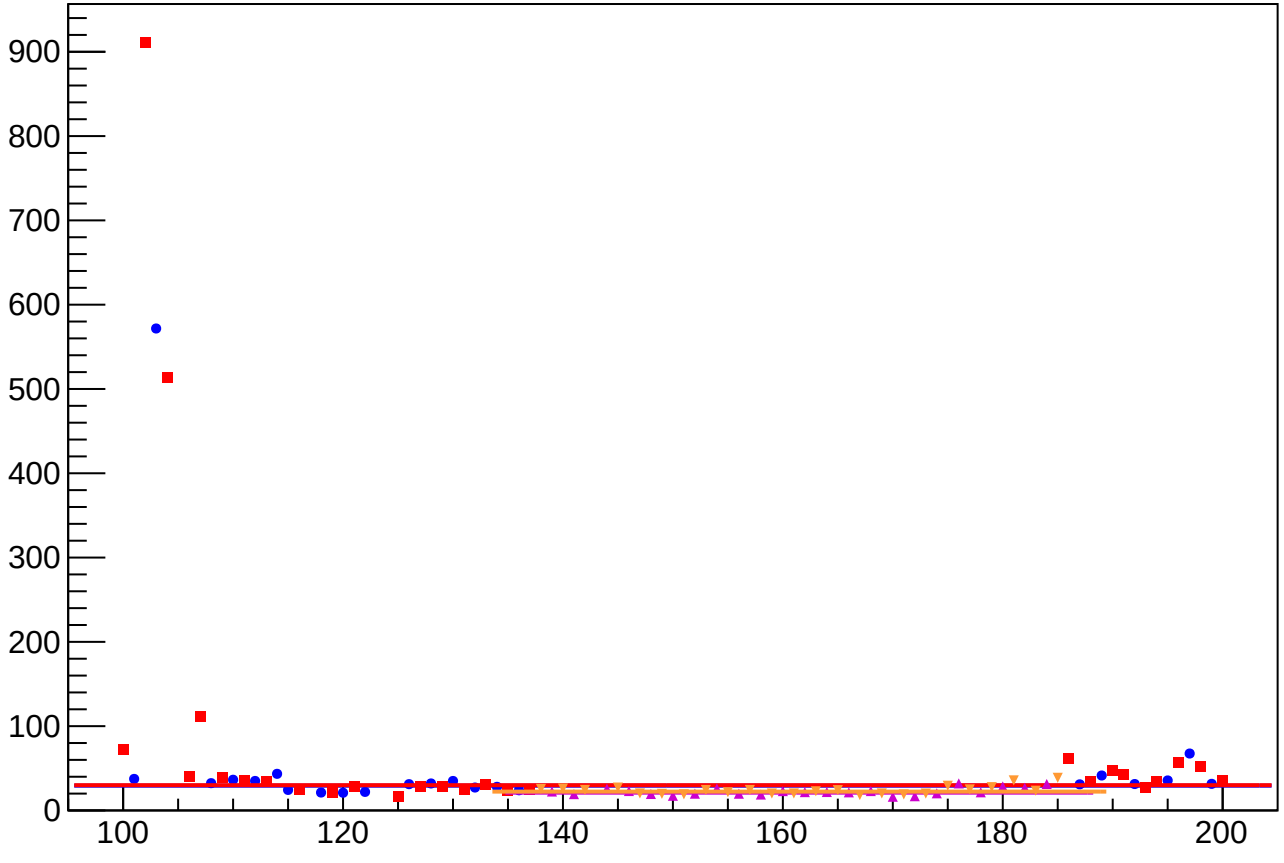
Right: -0.013+/-0.007 χ^2/NDF: 40.0/48

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.5/50

All: -0.004+/-0.003 χ^2/NDF: 73.2/95

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

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

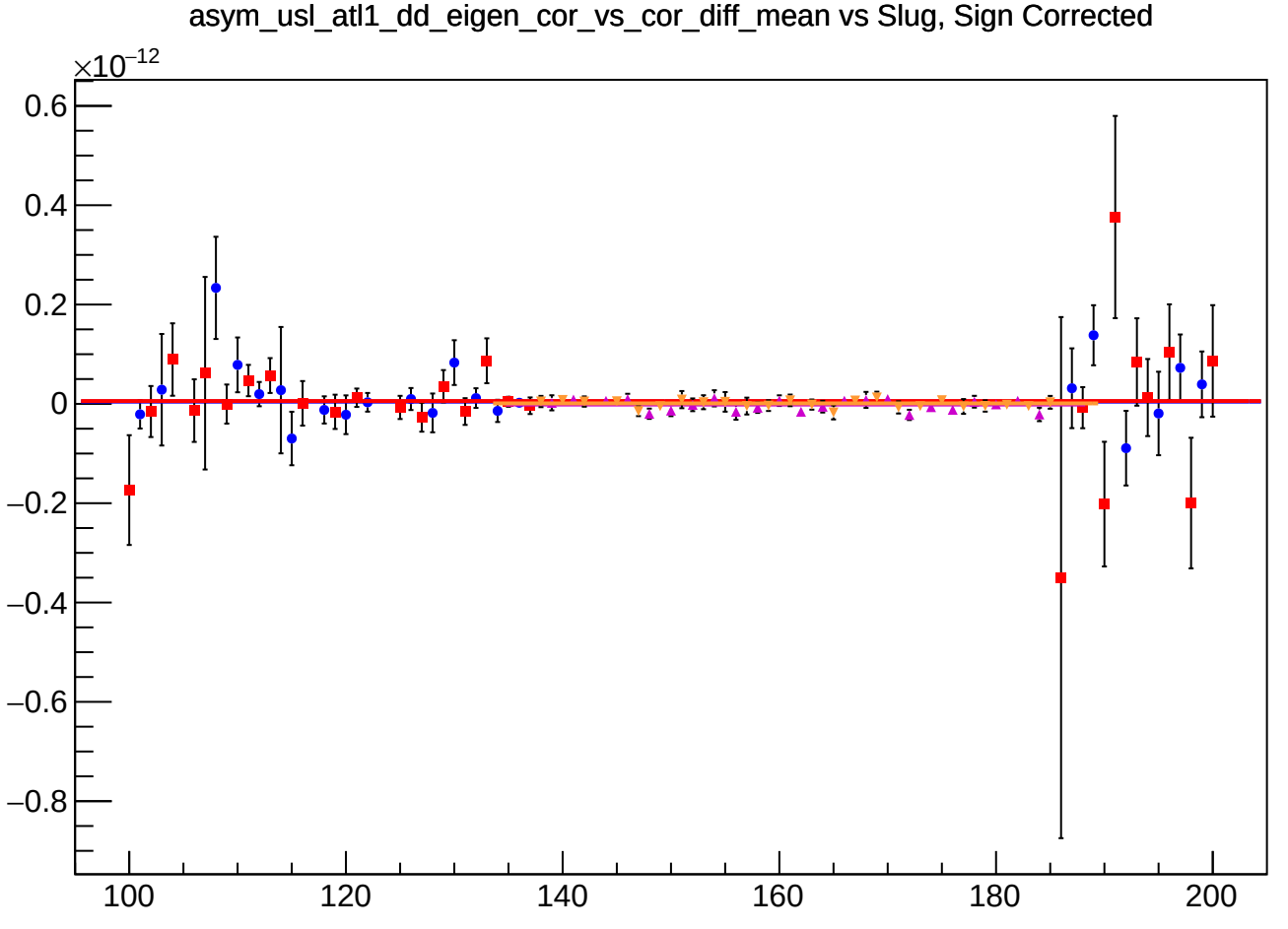
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.686+/-0.005 χ^2/NDF: 5968825.0/48

In: 23.042+/-0.003 χ^2/NDF:4100518.0/44

Out: 24.314+/-0.003 χ^2/NDF:5501908.8/50

All: 23.663+/-0.002 χ^2/NDF: 9671528.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/21

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

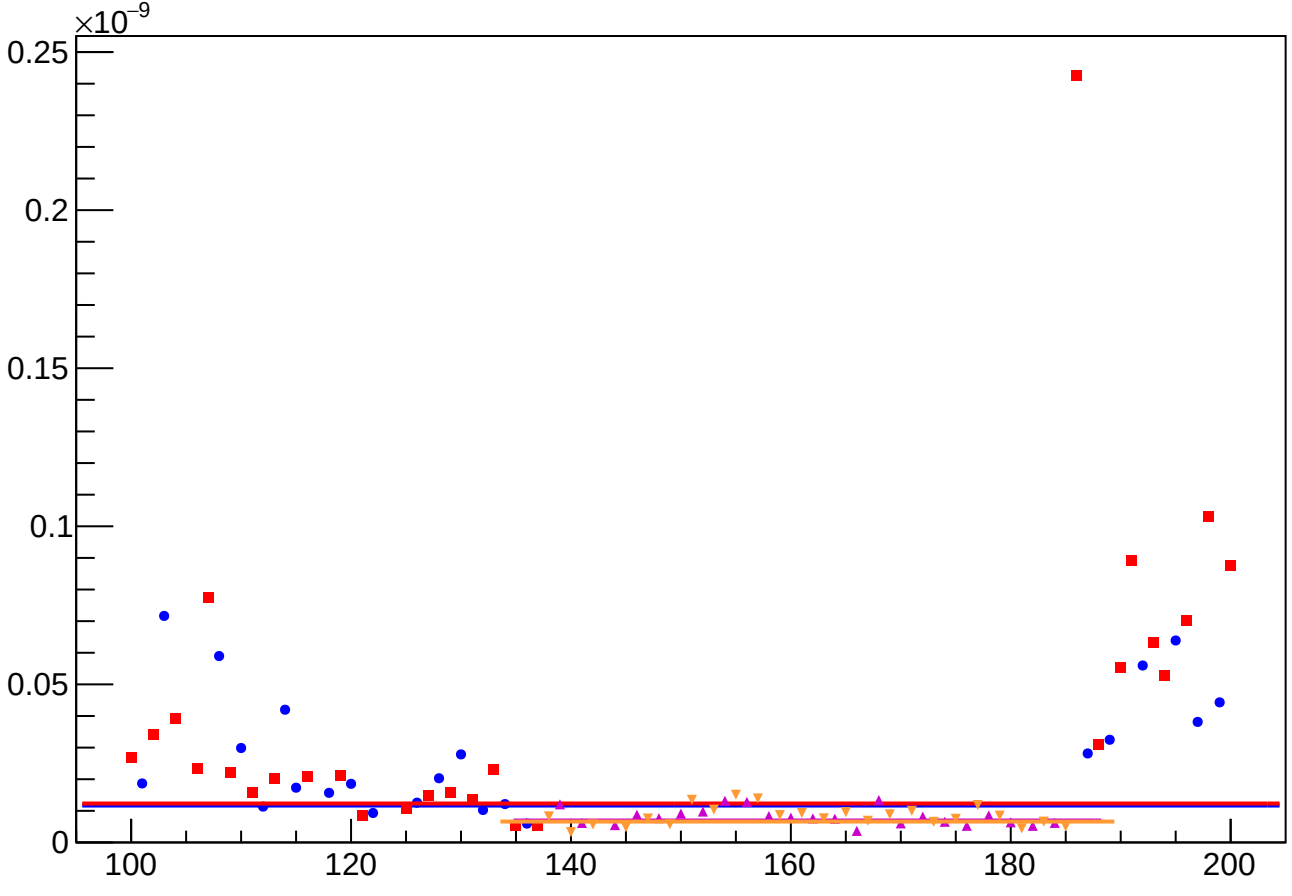
Right: 0.000+/-0.000 χ^2/NDF: 49.7/48

In: -0.000+/-0.000 χ^2/NDF:49.8/44

Out: 0.000+/-0.000 χ^2/NDF:38.8/50

All: 0.000+/-0.000 χ^2/NDF: 89.2/95

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5467740.4/21

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

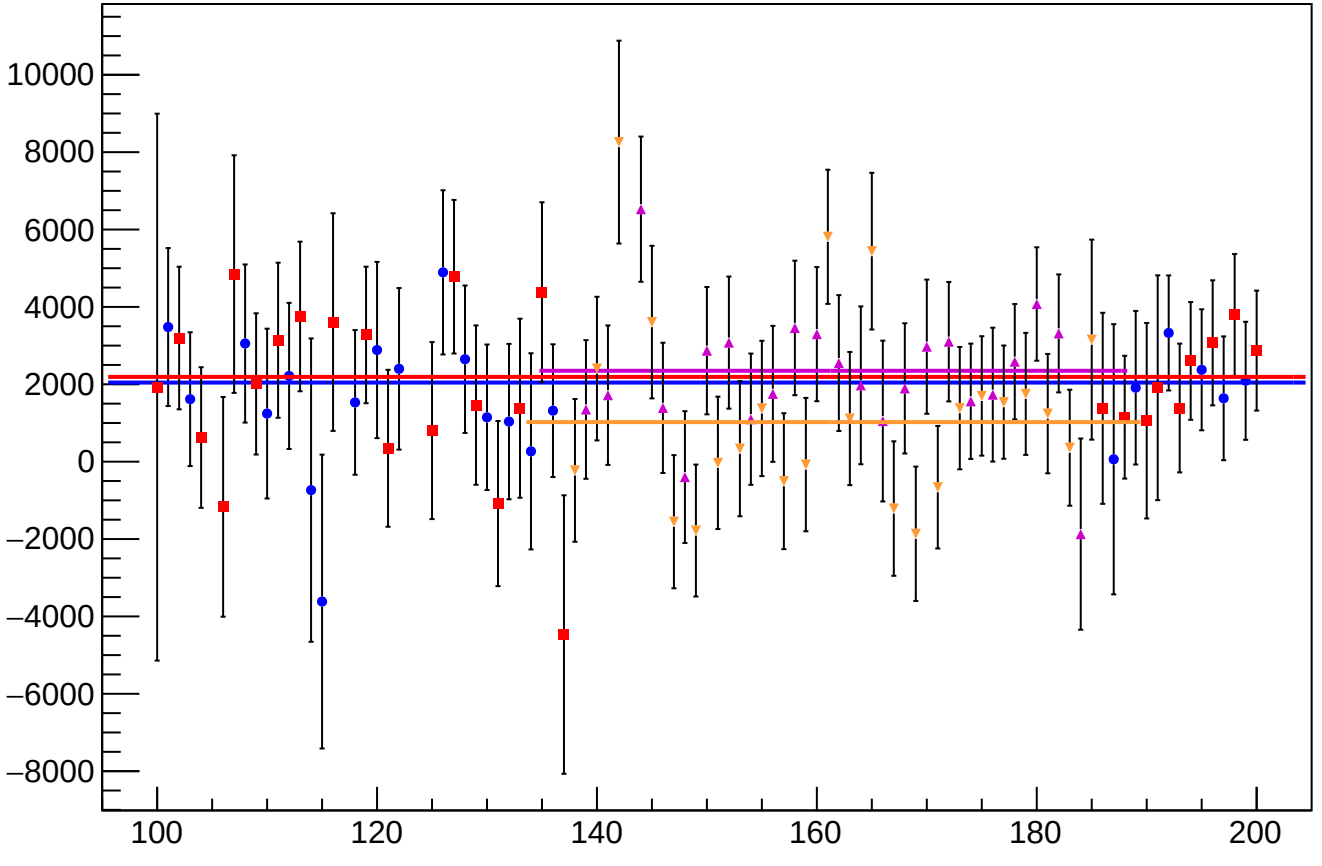
Right: 0.000+/-0.000 χ^2/NDF: 13521646.3/48

In: 0.000+/-0.000 χ^2/NDF:9035368.5/44

Out: 0.000+/-0.000 χ^2/NDF:13153878.6/50

All: 0.000+/-0.000 χ^2/NDF: 22215056.9/95

reg_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2044.525+/-419.415 χ^2/NDF: 8.1/21

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

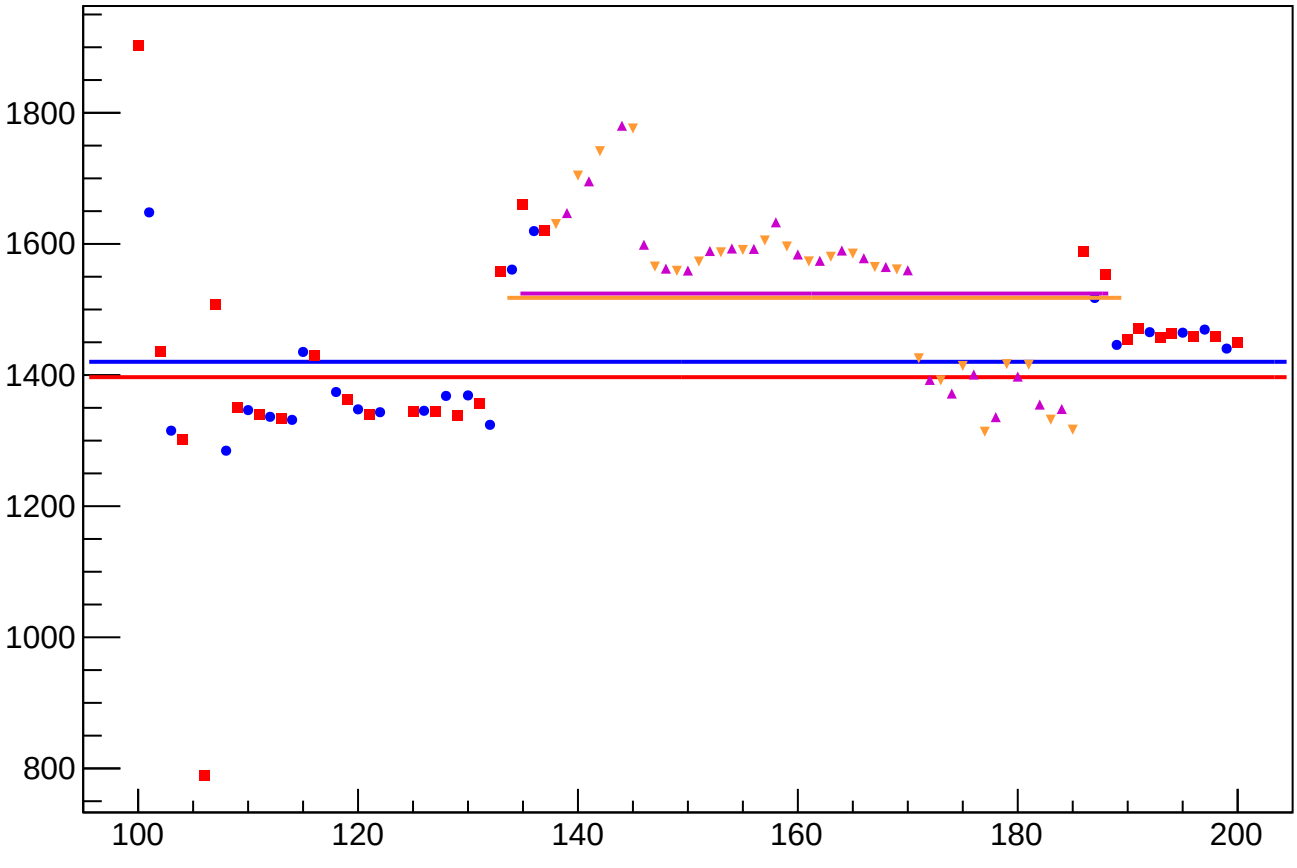
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2122.889+/-286.062 χ^2/NDF: 25.3/48

In: 2221.163+/-271.883 χ^2/NDF:24.4/44

Out: 1547.808+/-262.254 χ^2/NDF:58.5/50

All: 1872.350+/-188.754 χ^2/NDF: 86.1/95



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.0/21

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

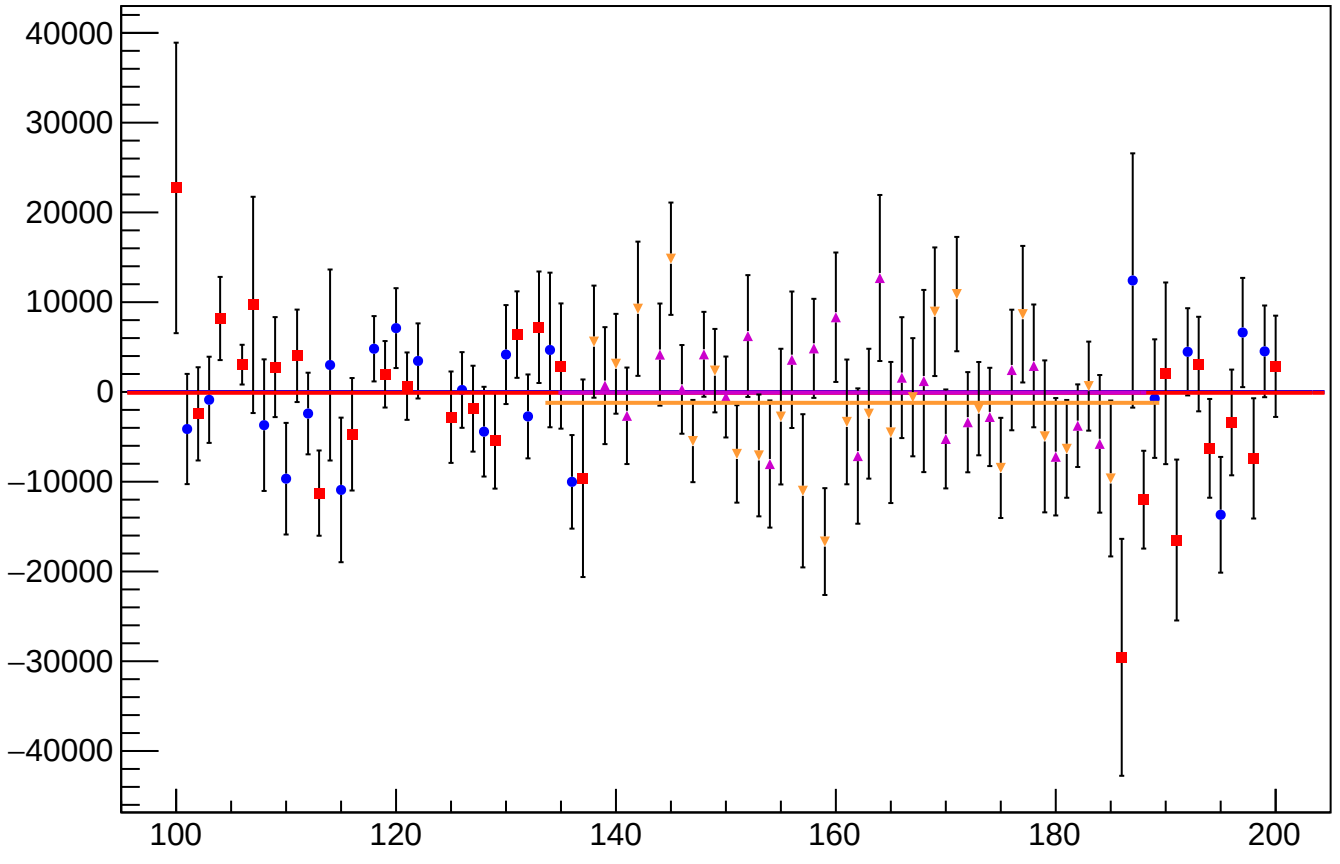
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1407.484+/-0.200 χ^2/NDF: 502291.5/48

In: 1480.579+/-0.192 χ^2/NDF:400808.1/44

Out: 1462.319+/-0.184 χ^2/NDF:735286.5/50

All: 1471.044+/-0.133 χ^2/NDF: 1140804.7/95



Right In: -7.141+/-1150.760 χ^2/NDF: 24.1/21

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

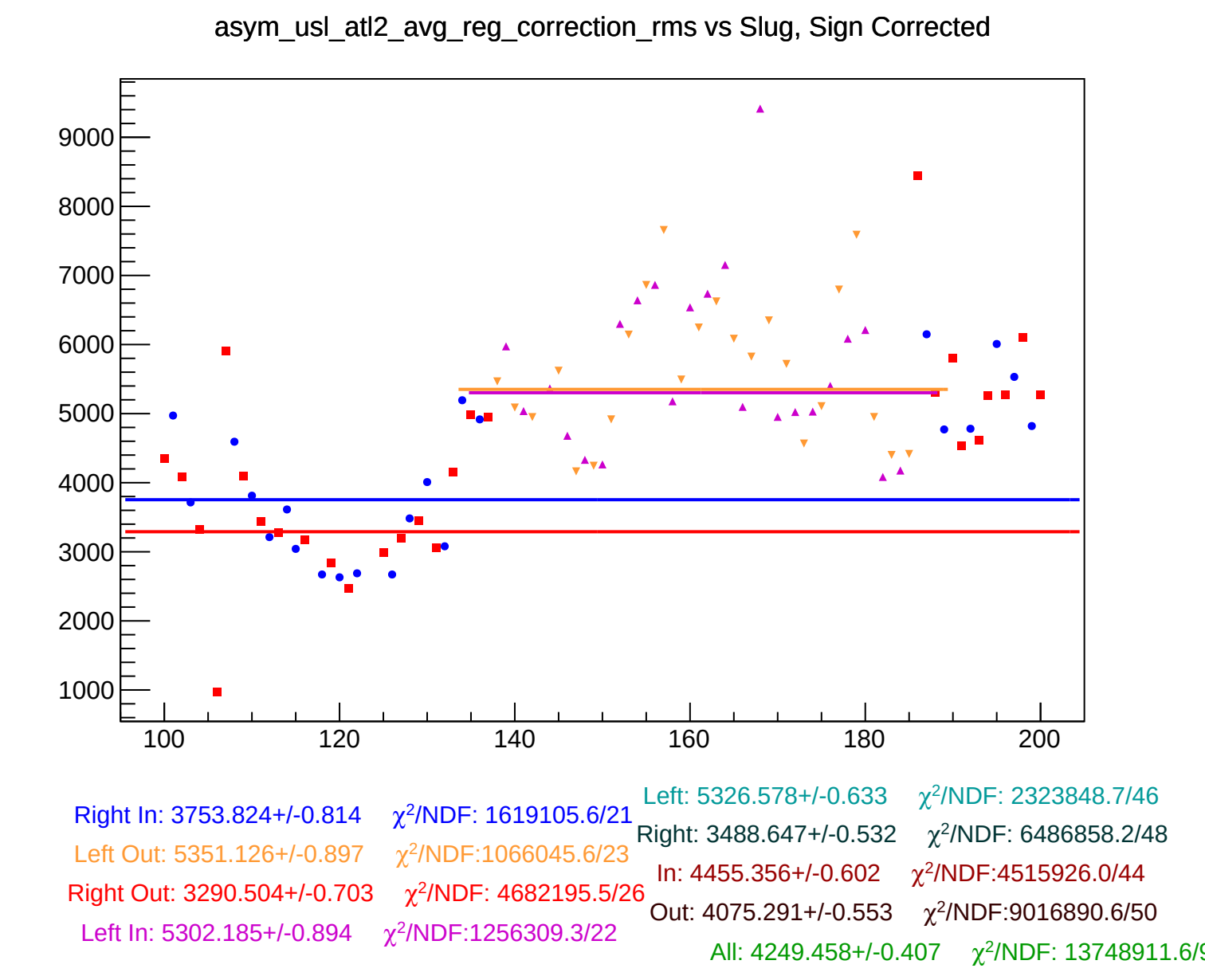
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

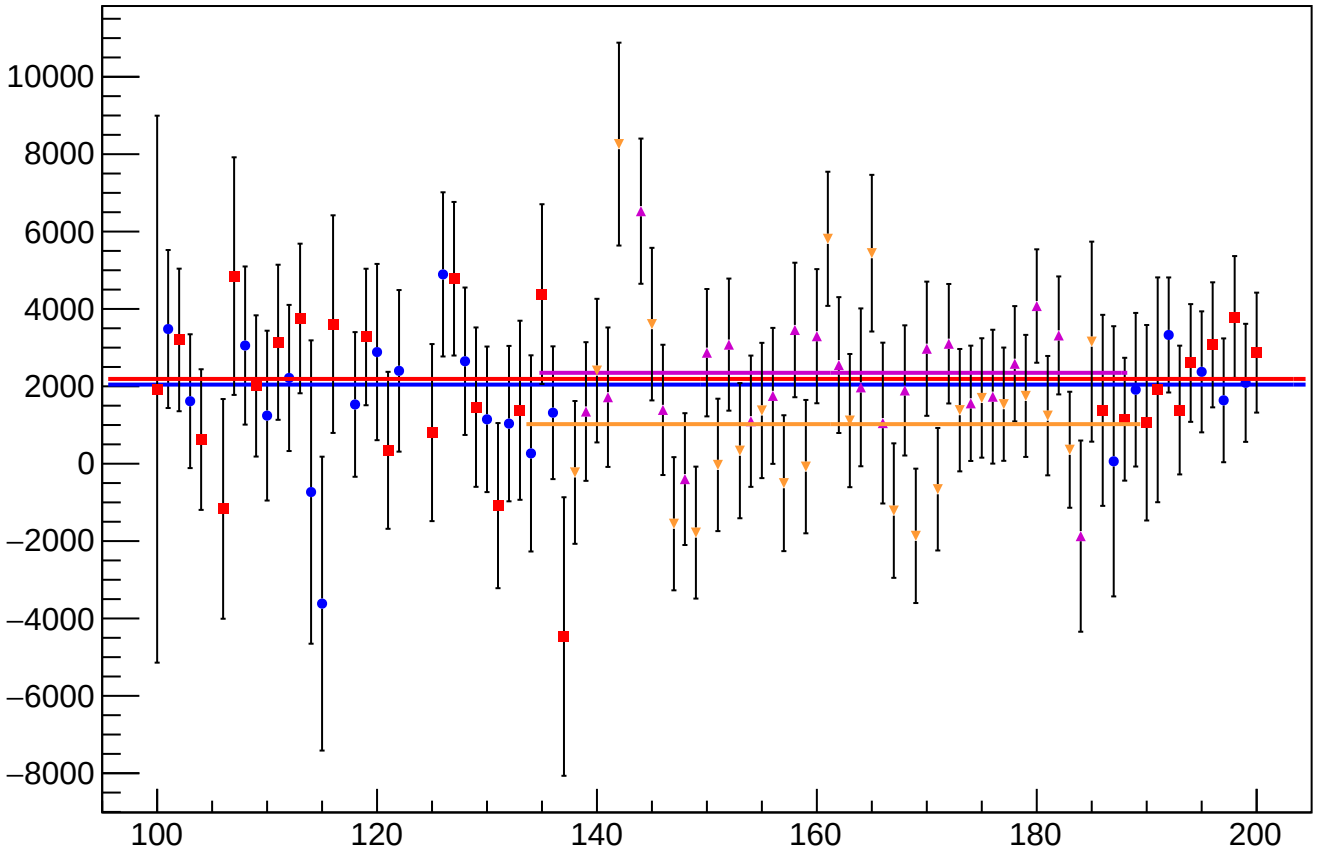
Right: -56.261+/-752.547 χ^2/NDF: 61.6/48

In: -40.506+/-851.034 χ^2/NDF:37.3/44

Out: -519.107+/-782.715 χ^2/NDF:71.2/50

All: -299.785+/-576.104 χ^2/NDF: 108.7/95


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: 3753.824+/-0.814 χ²/NDF: 1619105.6/21
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: 3488.647+/-0.532 χ²/NDF: 6486858.2/48
In: 4455.356+/-0.602 χ²/NDF:4515926.0/44
Out: 4075.291+/-0.553 χ²/NDF:9016890.6/50
All: 4249.458+/-0.407 χ²/NDF: 13748911.6/9



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

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

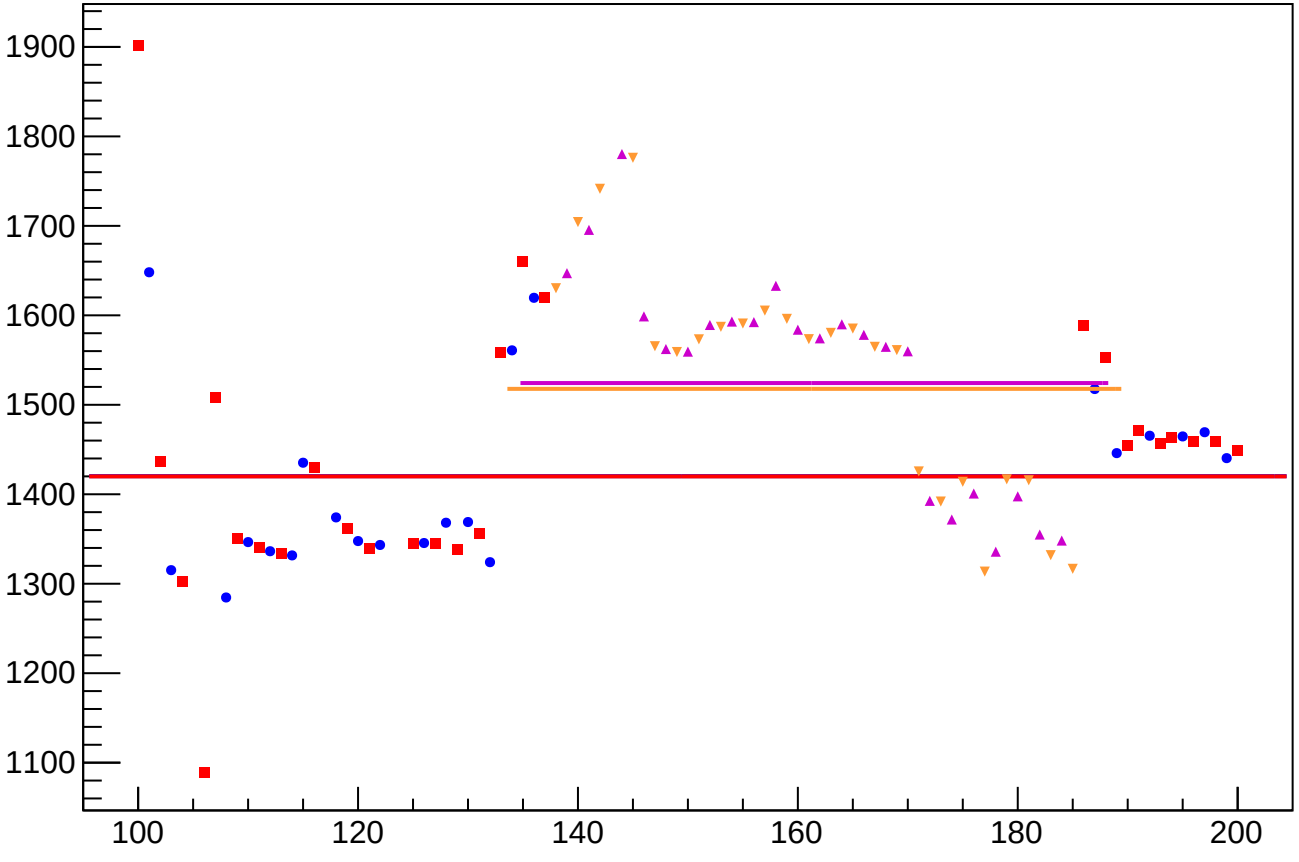
Right: 2122.968+/-286.063 χ^2/NDF: 25.3/48

In: 2221.173+/-271.883 χ^2/NDF:24.4/44

Out: 1547.878+/-262.254 χ^2/NDF:58.5/50

All: 1872.392+/-188.754 χ^2/NDF: 86.1/95

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

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

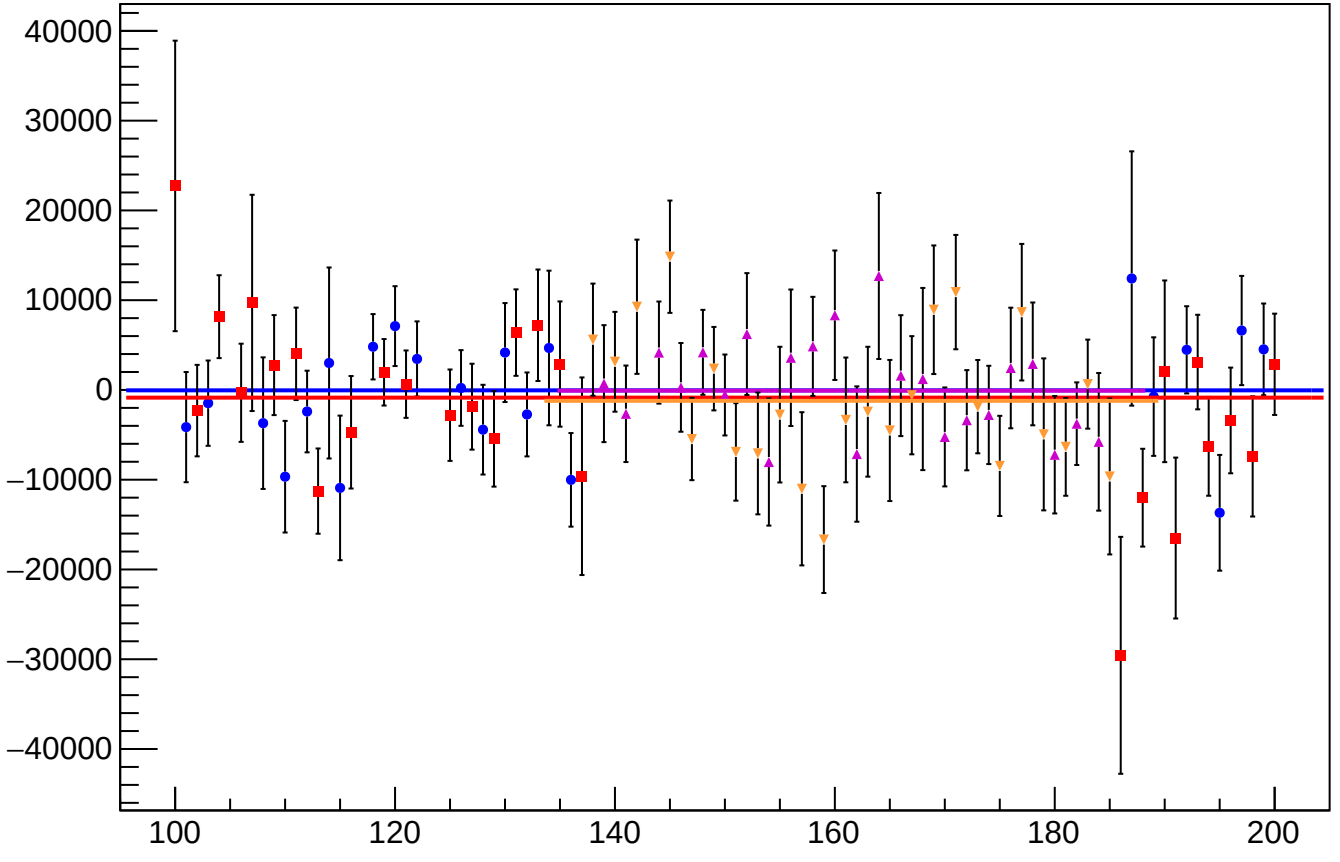
Right: 1420.087+/-0.201 χ^2/NDF: 263866.2/48

In: 1480.579+/-0.192 χ^2/NDF:400808.2/44

Out: 1473.461+/-0.185 χ^2/NDF:462222.5/50

All: 1476.879+/-0.133 χ^2/NDF: 863743.2/95

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

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

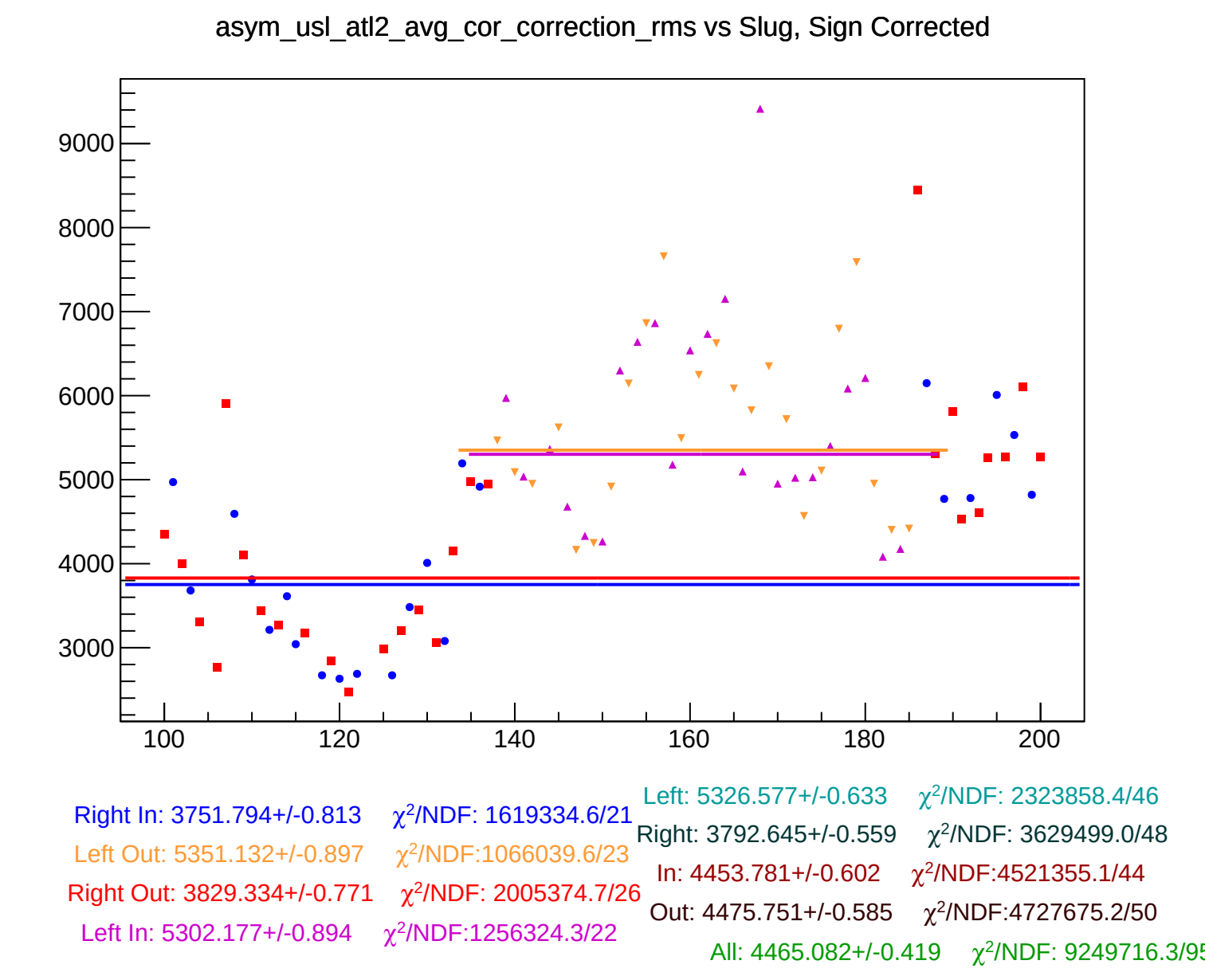
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

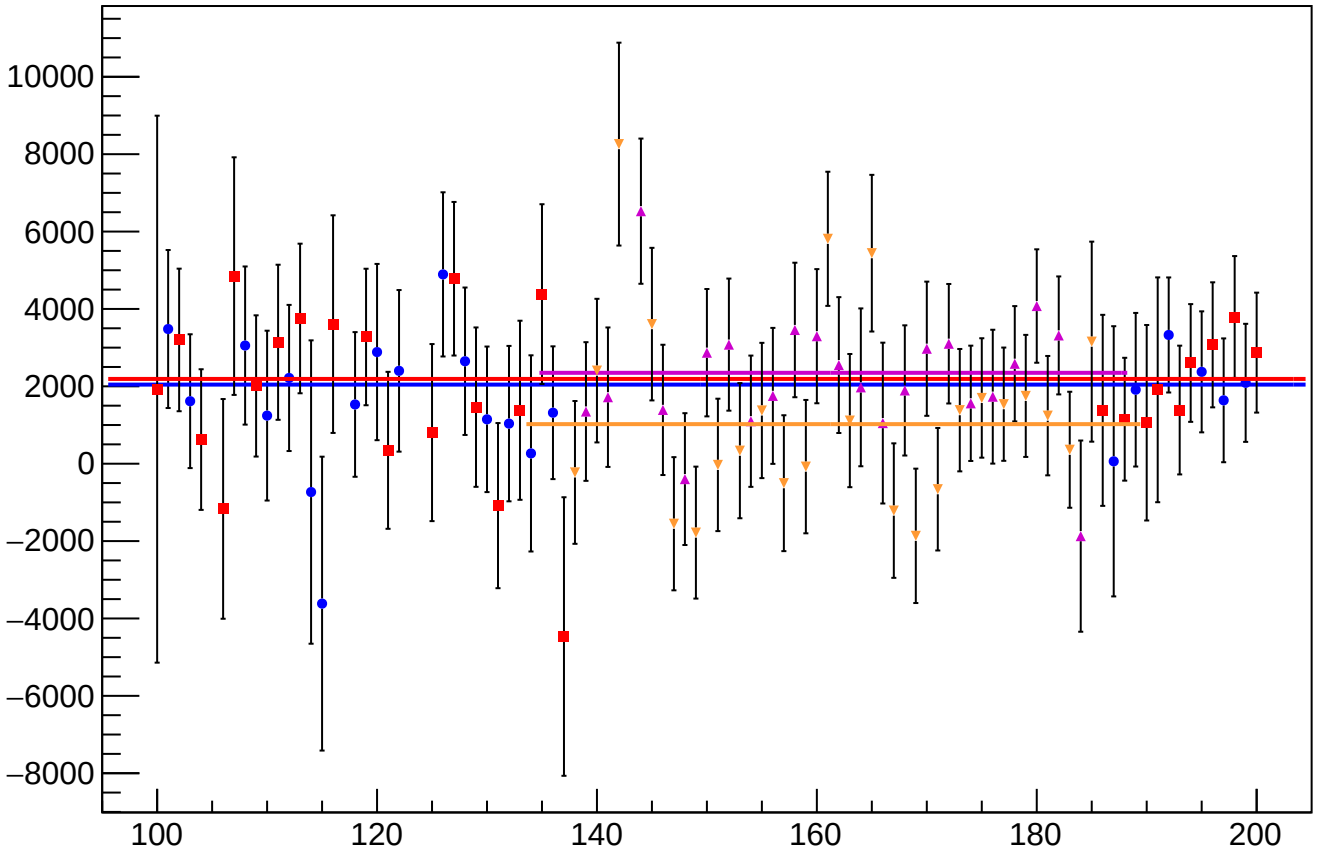
Right: -471.797+/-791.091 χ^2/NDF: 59.5/48

In: -60.327+/-850.754 χ^2/NDF:37.4/44

Out: -1007.441+/-826.619 χ^2/NDF:68.3/50

All: -547.508+/-592.857 χ^2/NDF: 106.3/95


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: 3751.794+/-0.813 χ²/NDF: 1619334.6/21
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: 3792.645+/-0.559 χ²/NDF: 3629499.0/48
In: 4453.781+/-0.602 χ²/NDF:4521355.1/44
Out: 4475.751+/-0.585 χ²/NDF:4727675.2/50
All: 4465.082+/-0.419 χ²/NDF: 9249716.3/95



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

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

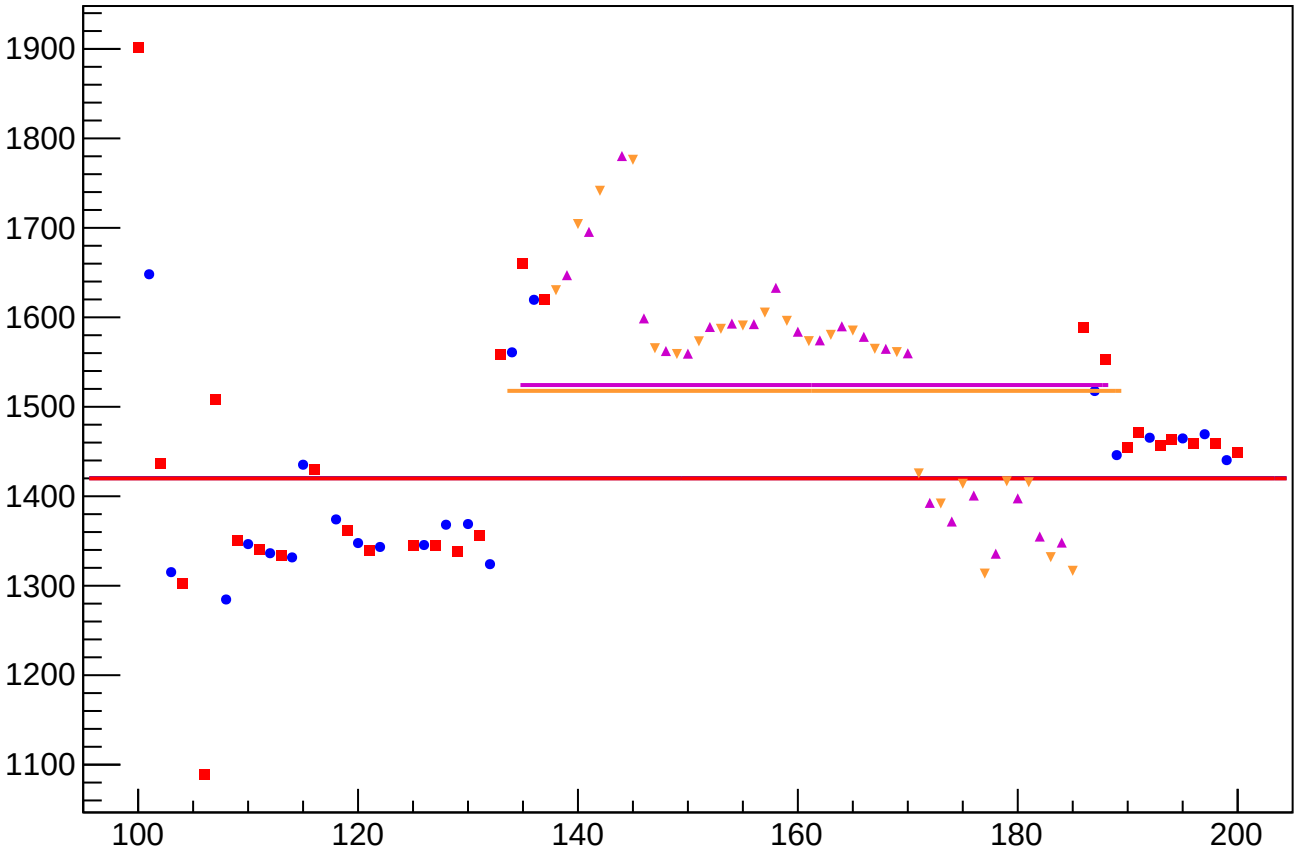
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2122.968+/-286.063 χ^2/NDF: 25.3/48

In: 2221.173+/-271.883 χ^2/NDF:24.4/44

Out: 1547.878+/-262.254 χ^2/NDF:58.5/50

All: 1872.392+/-188.754 χ^2/NDF: 86.1/95



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

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

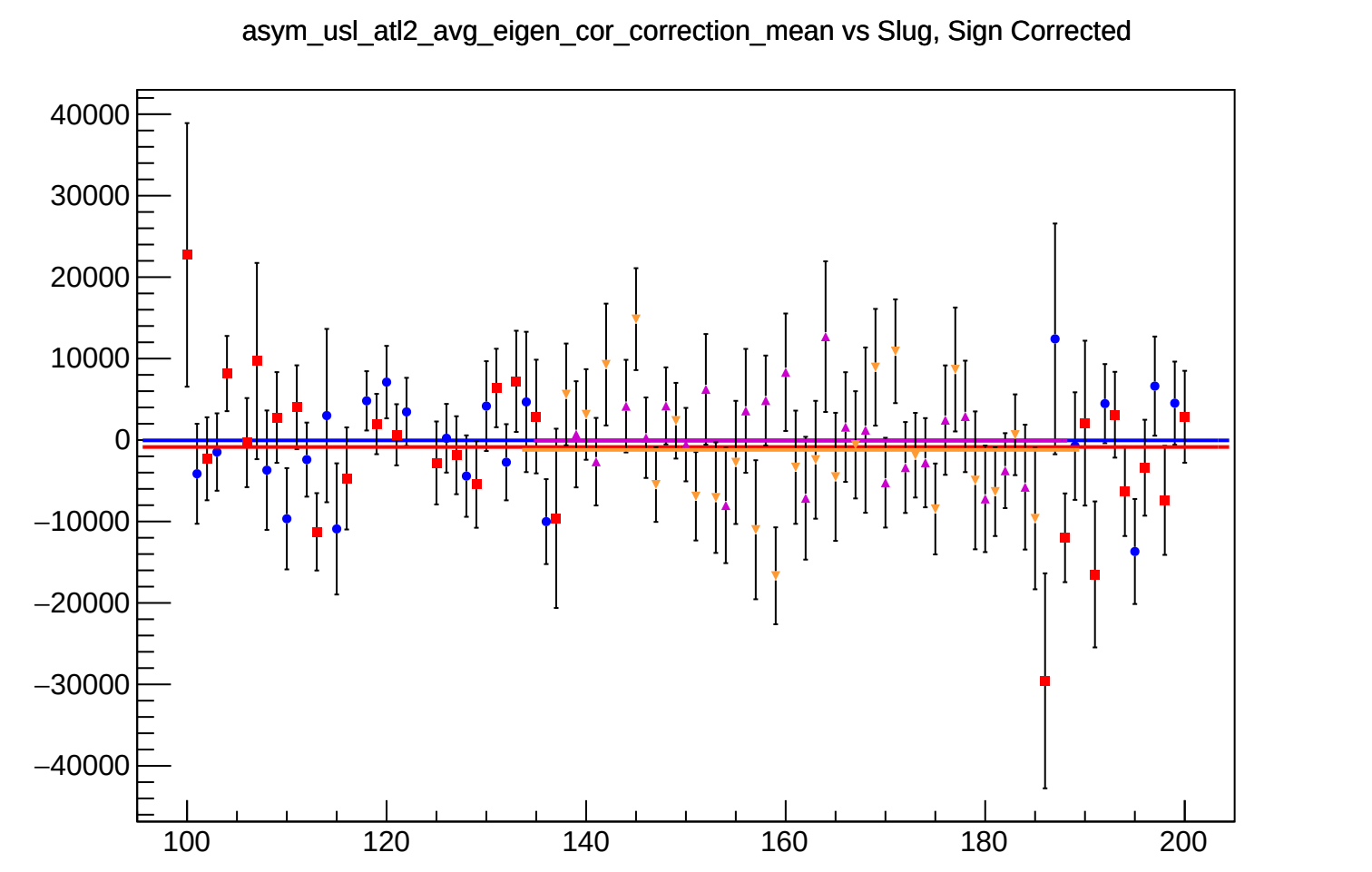
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1420.087+/-0.201 χ^2/NDF: 263866.2/48

In: 1480.579+/-0.192 χ^2/NDF:400808.2/44

Out: 1473.461+/-0.185 χ^2/NDF:462222.5/50

All: 1476.879+/-0.133 χ^2/NDF: 863743.2/95



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

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

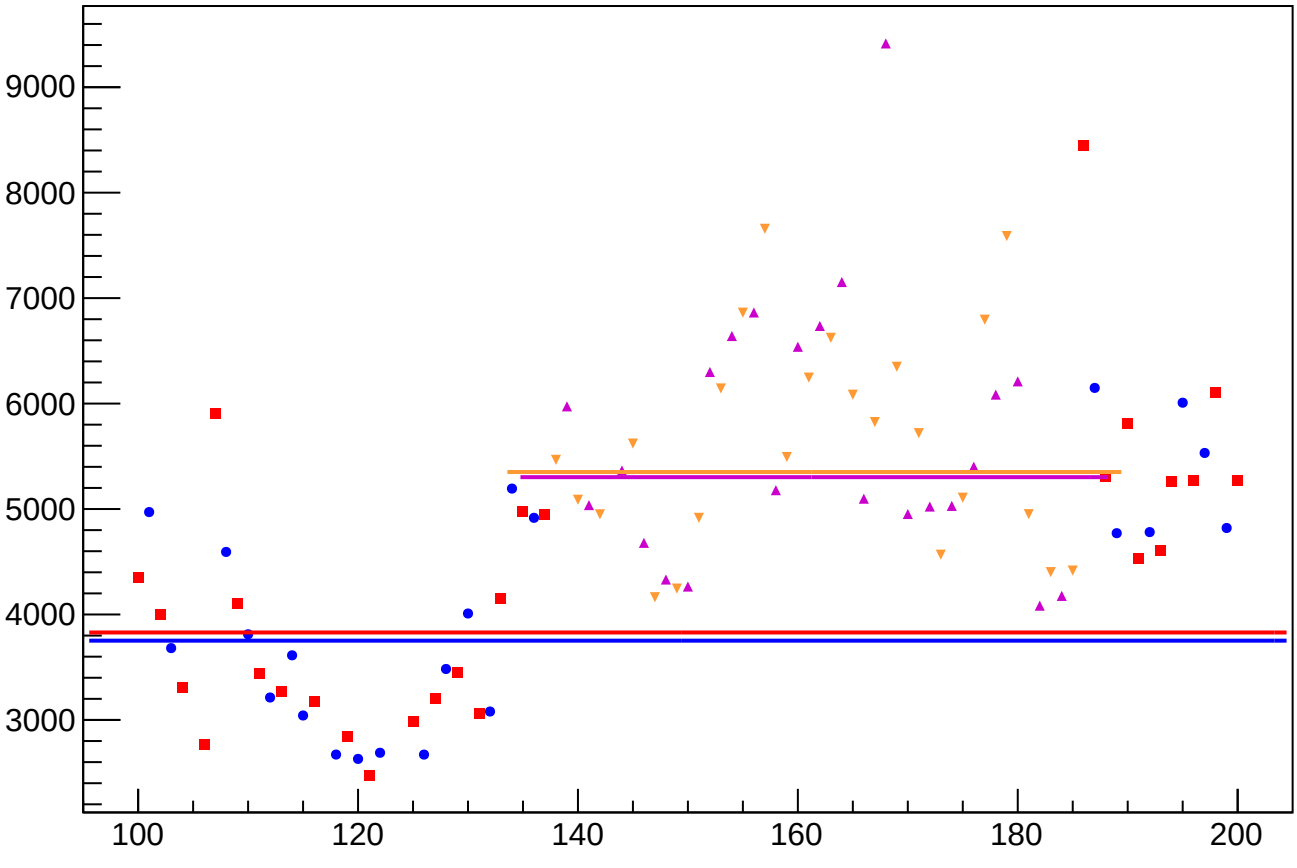
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -471.797+/-791.091 χ^2/NDF: 59.5/48

In: -60.327+/-850.754 χ^2/NDF:37.4/44

Out: -1007.441+/-826.619 χ^2/NDF:68.3/50

All: -547.508+/-592.857 χ^2/NDF: 106.3/95



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

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

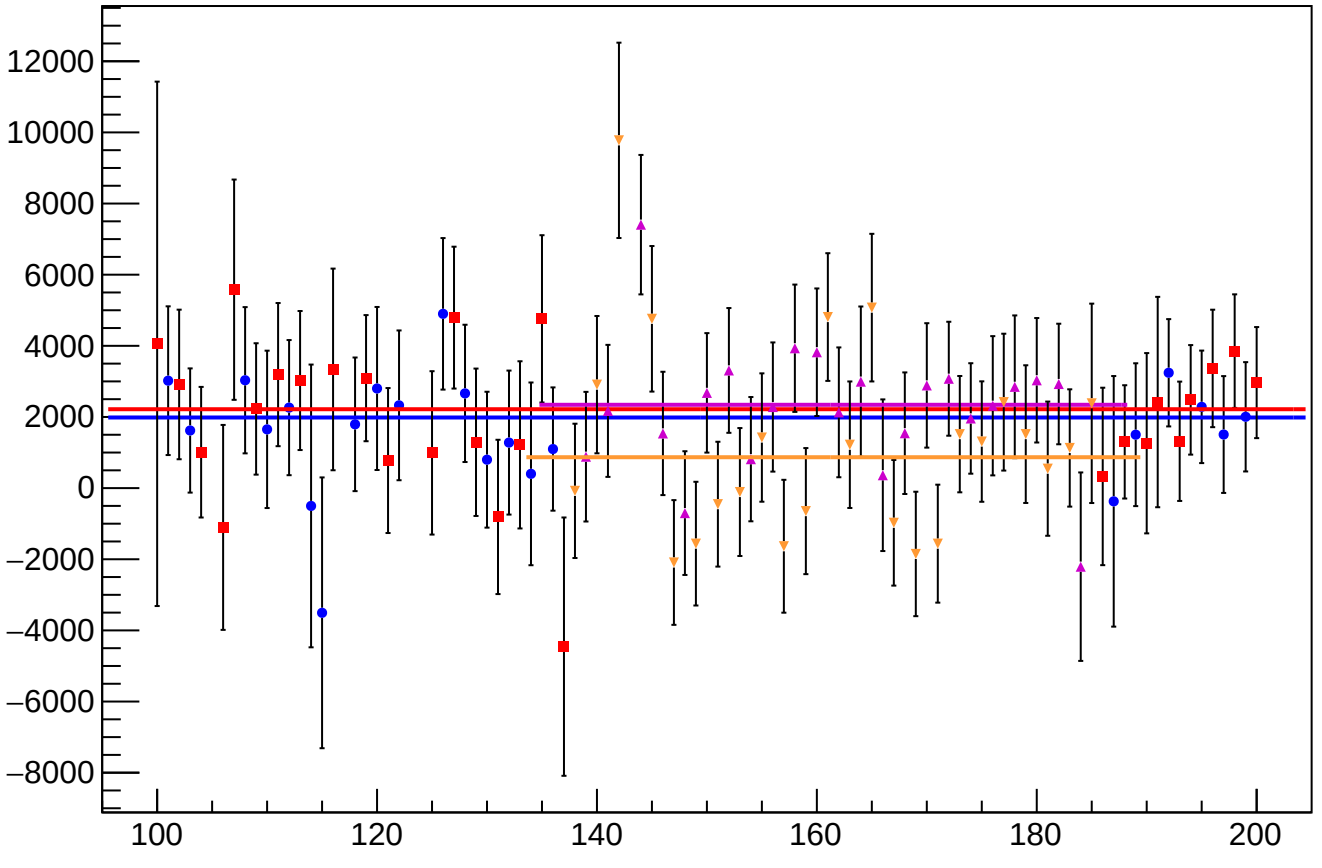
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3792.645+/-0.559 χ^2/NDF: 3629499.0/48

In: 4453.781+/-0.602 χ^2/NDF:4521355.1/44

Out: 4475.751+/-0.585 χ^2/NDF:4727675.2/50

All: 4465.082+/-0.419 χ^2/NDF: 9249716.3/95



Right In: 1985.253+/-424.041 χ^2/NDF: 7.7/21

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

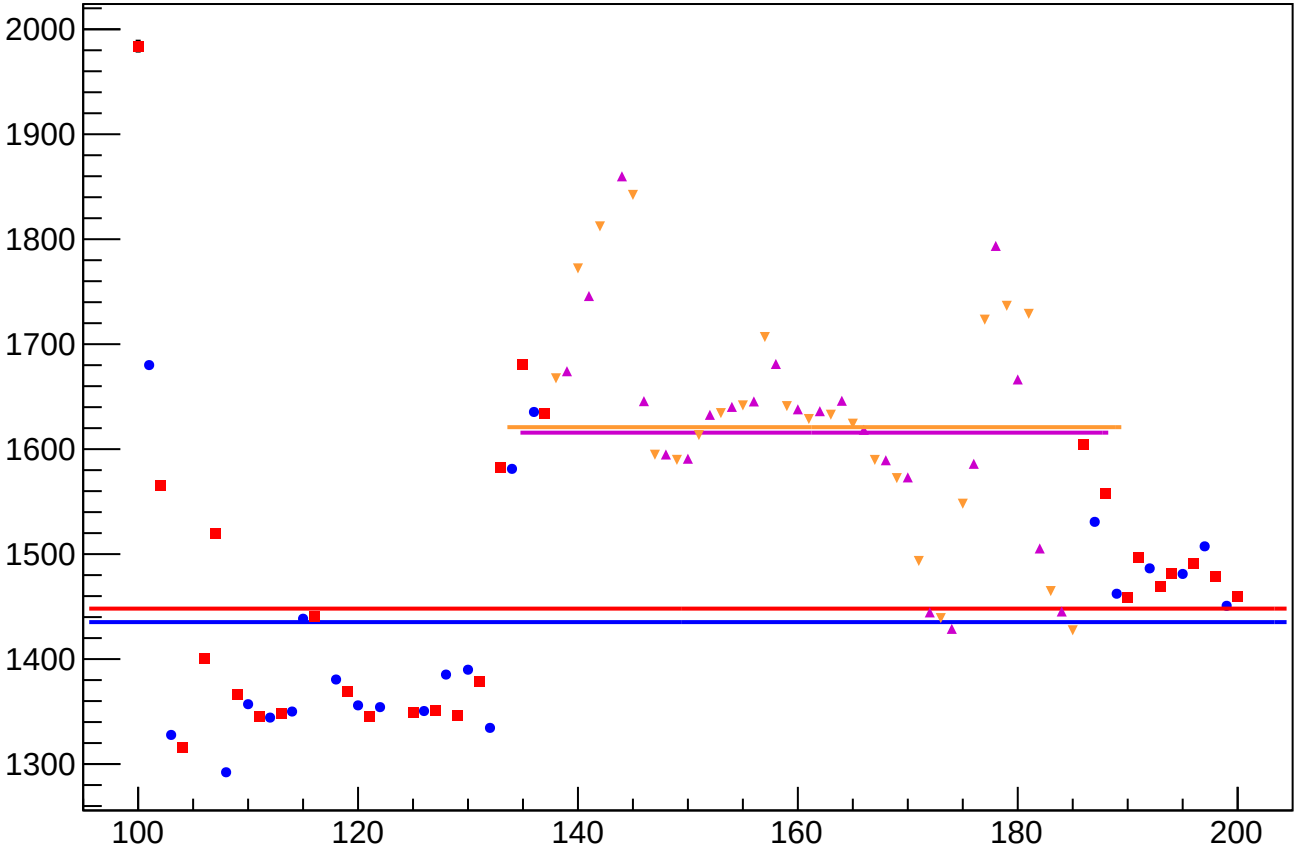
Right: 2109.286+/-289.772 χ^2/NDF: 24.2/48

In: 2184.154+/-282.213 χ^2/NDF:26.1/44

Out: 1508.819+/-273.413 χ^2/NDF:62.2/50

All: 1835.794+/-196.370 χ^2/NDF: 91.3/95

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1435.221+/-0.300 χ^2/NDF: 113407.9/21

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

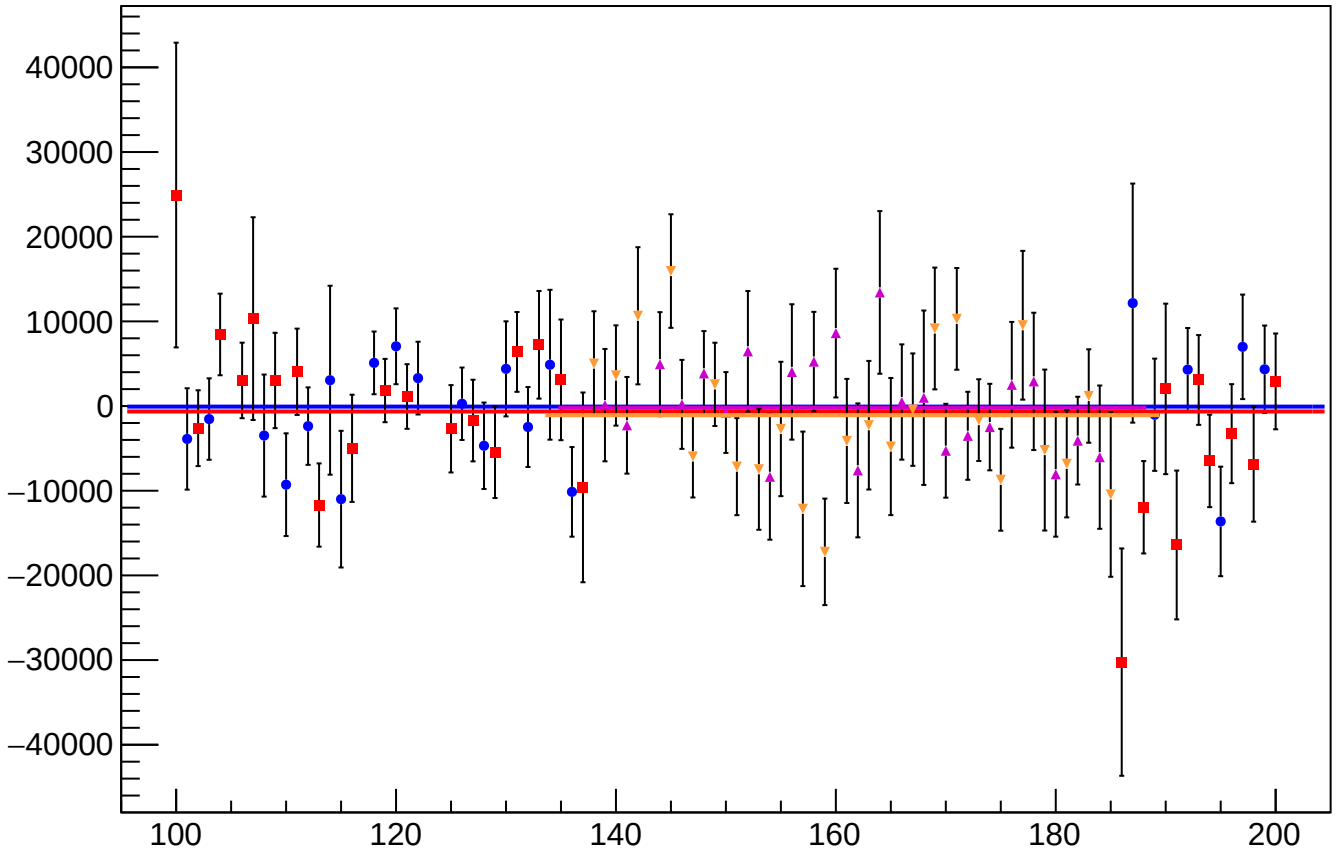
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1442.087+/-0.205 χ^2/NDF: 234796.4/48

In: 1535.763+/-0.200 χ^2/NDF:452382.2/44

Out: 1538.786+/-0.193 χ^2/NDF:462050.1/50

All: 1537.323+/-0.139 χ^2/NDF: 914550.8/95



Right In: -66.357+/-1161.892 χ^2/NDF: 23.9/21

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

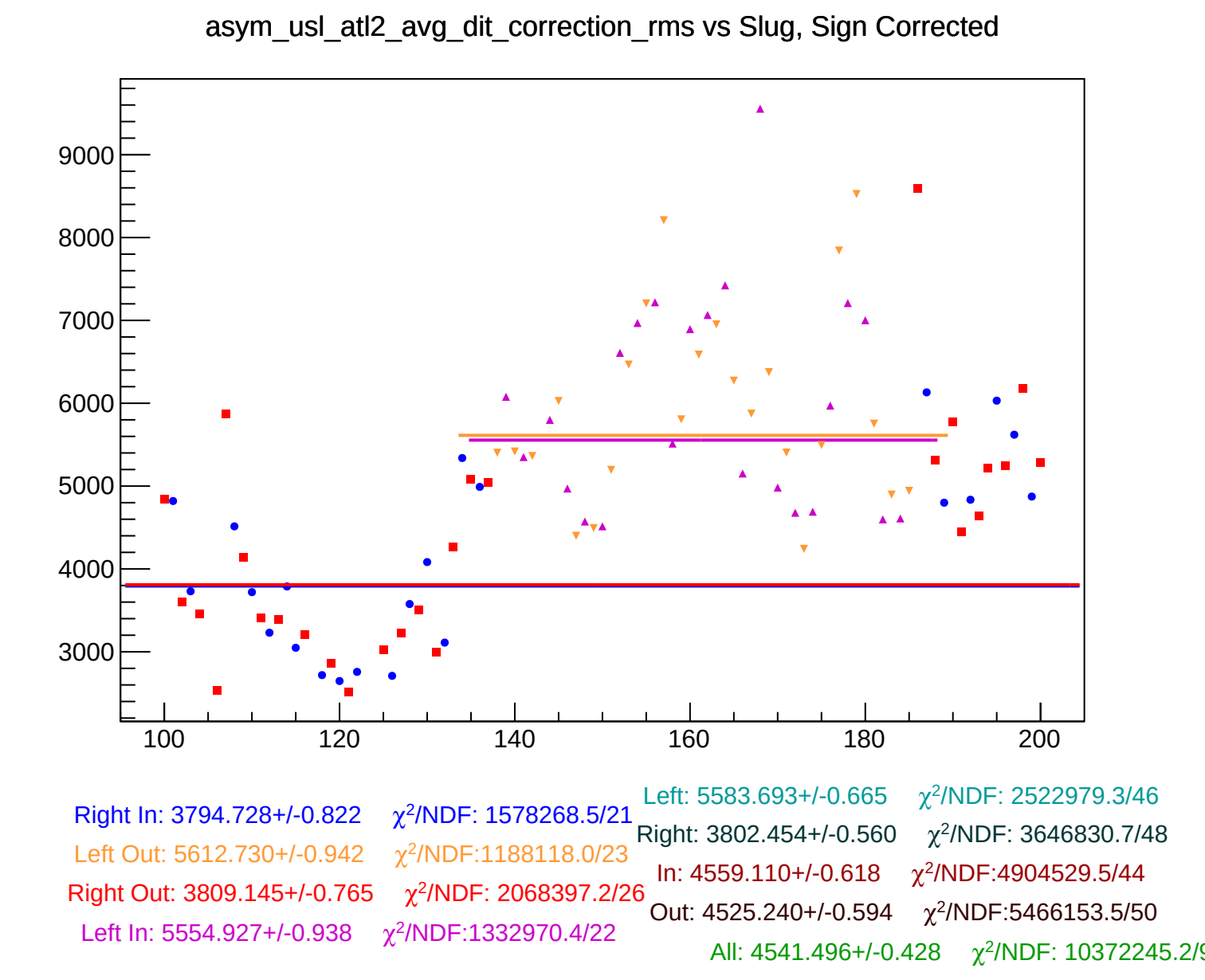
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

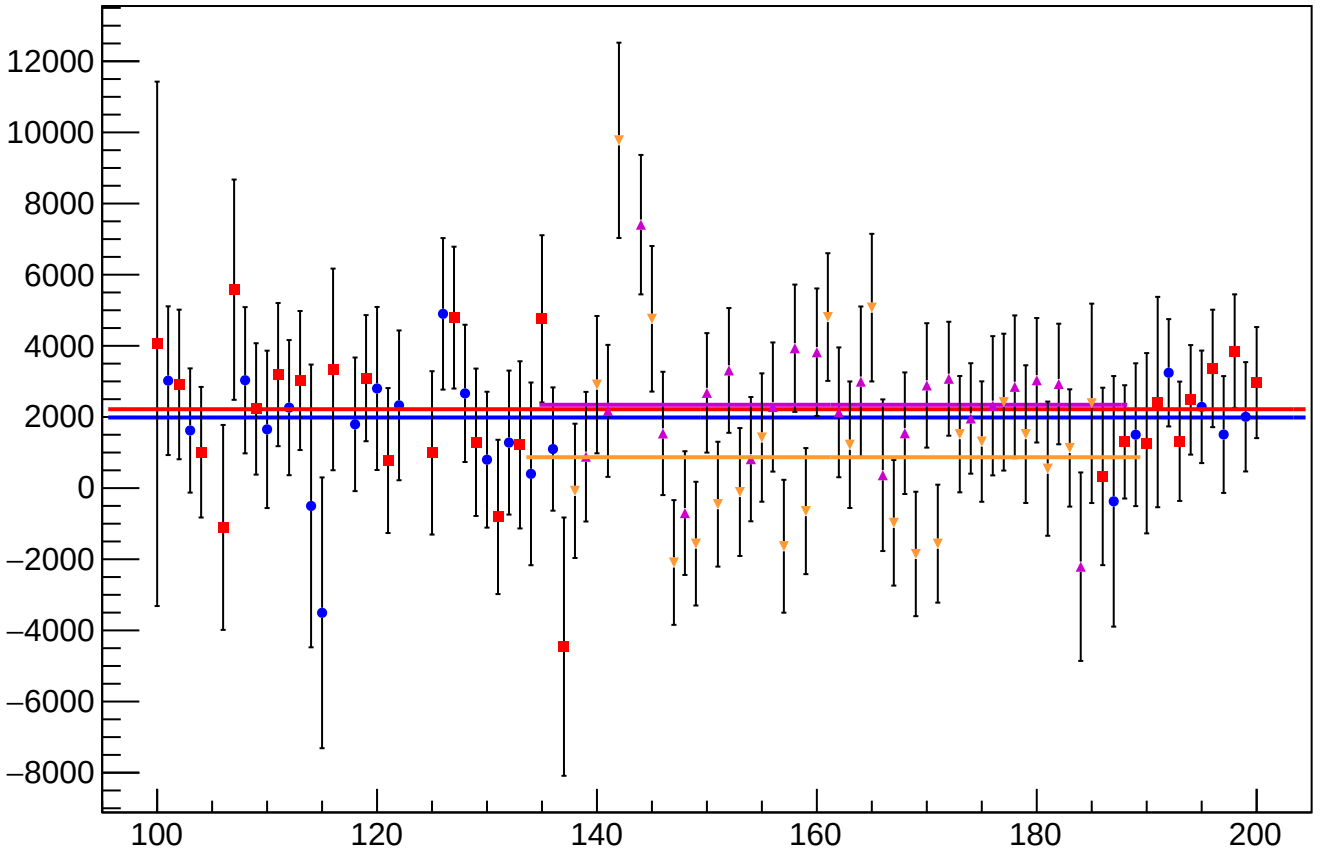
Right: -374.197+/-791.516 χ^2/NDF: 60.0/48

In: -125.115+/-873.926 χ^2/NDF:36.8/44

Out: -816.045+/-839.561 χ^2/NDF:69.0/50

All: -484.431+/-605.444 χ^2/NDF: 106.1/95


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: 3794.728+/-0.822 χ²/NDF: 1578268.5/21
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: 3802.454+/-0.560 χ²/NDF: 3646830.7/48
In: 4559.110+/-0.618 χ²/NDF:4904529.5/44
Out: 4525.240+/-0.594 χ²/NDF:5466153.5/50
All: 4541.496+/-0.428 χ²/NDF: 10372245.2/9



Right In: 1985.251+/-424.041 χ^2/NDF: 7.7/21

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

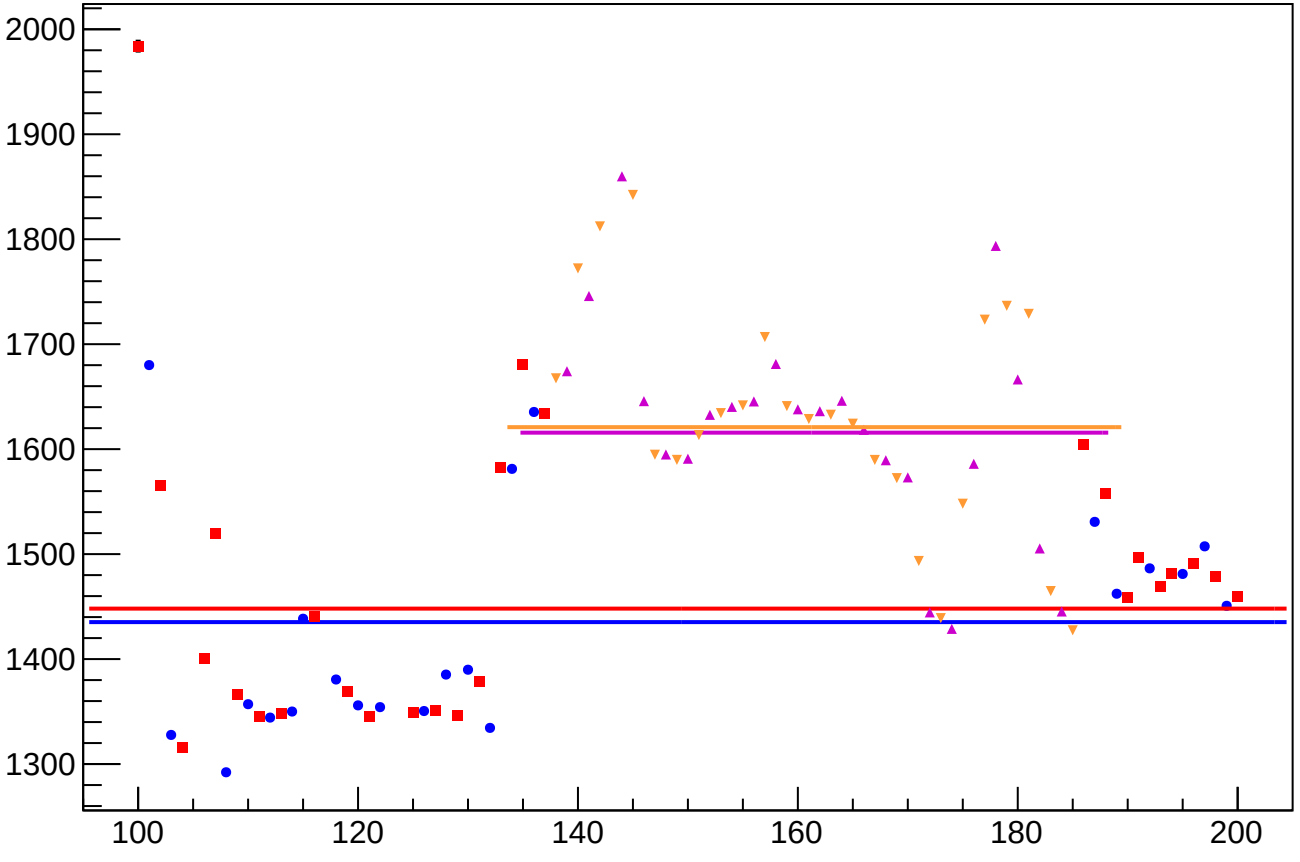
Right: 2109.285+/-289.772 χ^2/NDF: 24.2/48

In: 2184.153+/-282.213 χ^2/NDF:26.1/44

Out: 1508.815+/-273.413 χ^2/NDF:62.2/50

All: 1835.792+/-196.370 χ^2/NDF: 91.3/95

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1435.221+/-0.300 χ^2/NDF: 113408.0/21

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

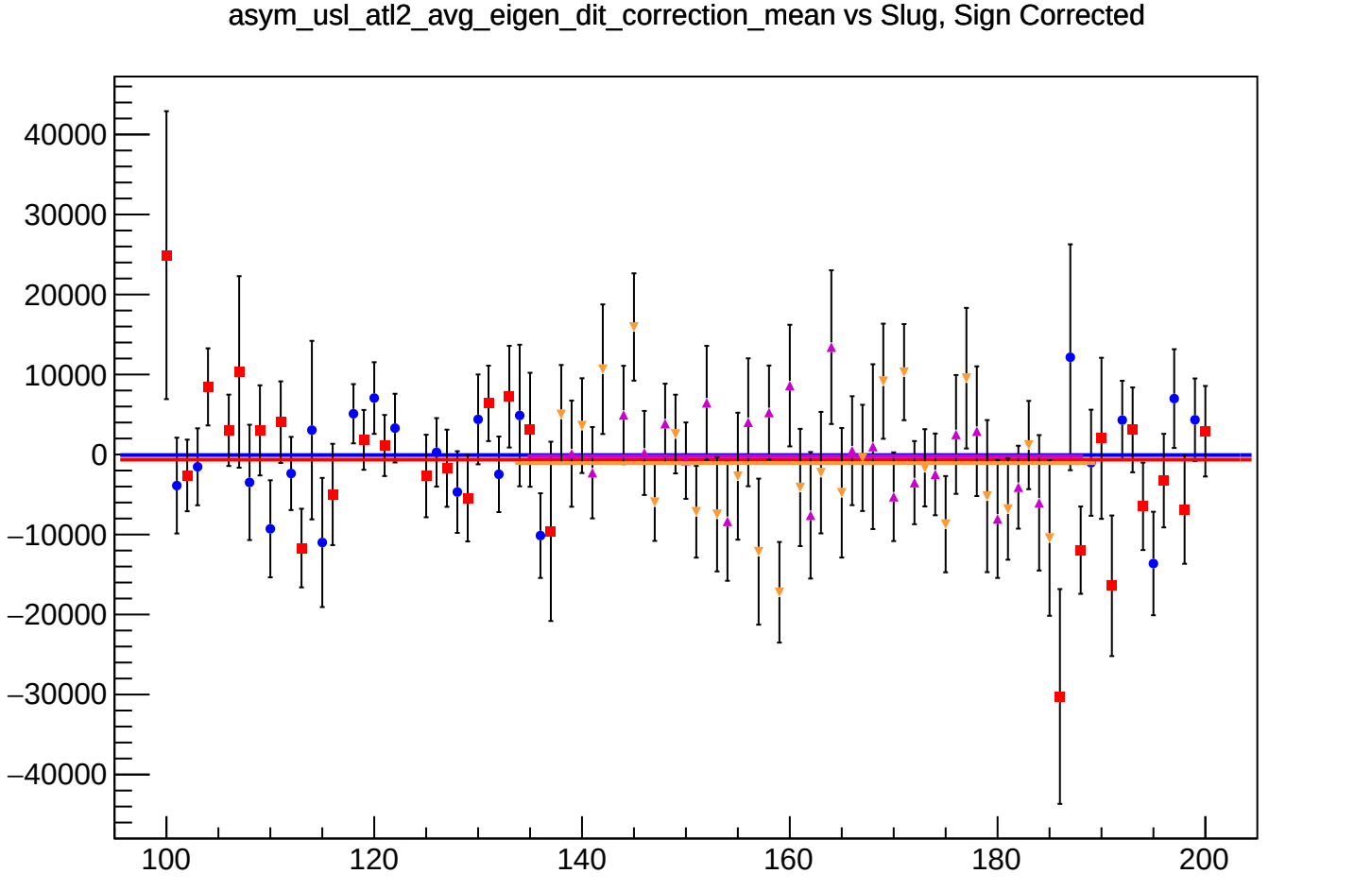
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1442.087+/-0.205 χ^2/NDF: 234796.6/48

In: 1535.763+/-0.200 χ^2/NDF:452389.5/44

Out: 1538.787+/-0.193 χ^2/NDF:462057.9/50

All: 1537.324+/-0.139 χ^2/NDF: 914565.9/95



Right In: -66.353+/-1161.890 χ^2/NDF: 23.9/21

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

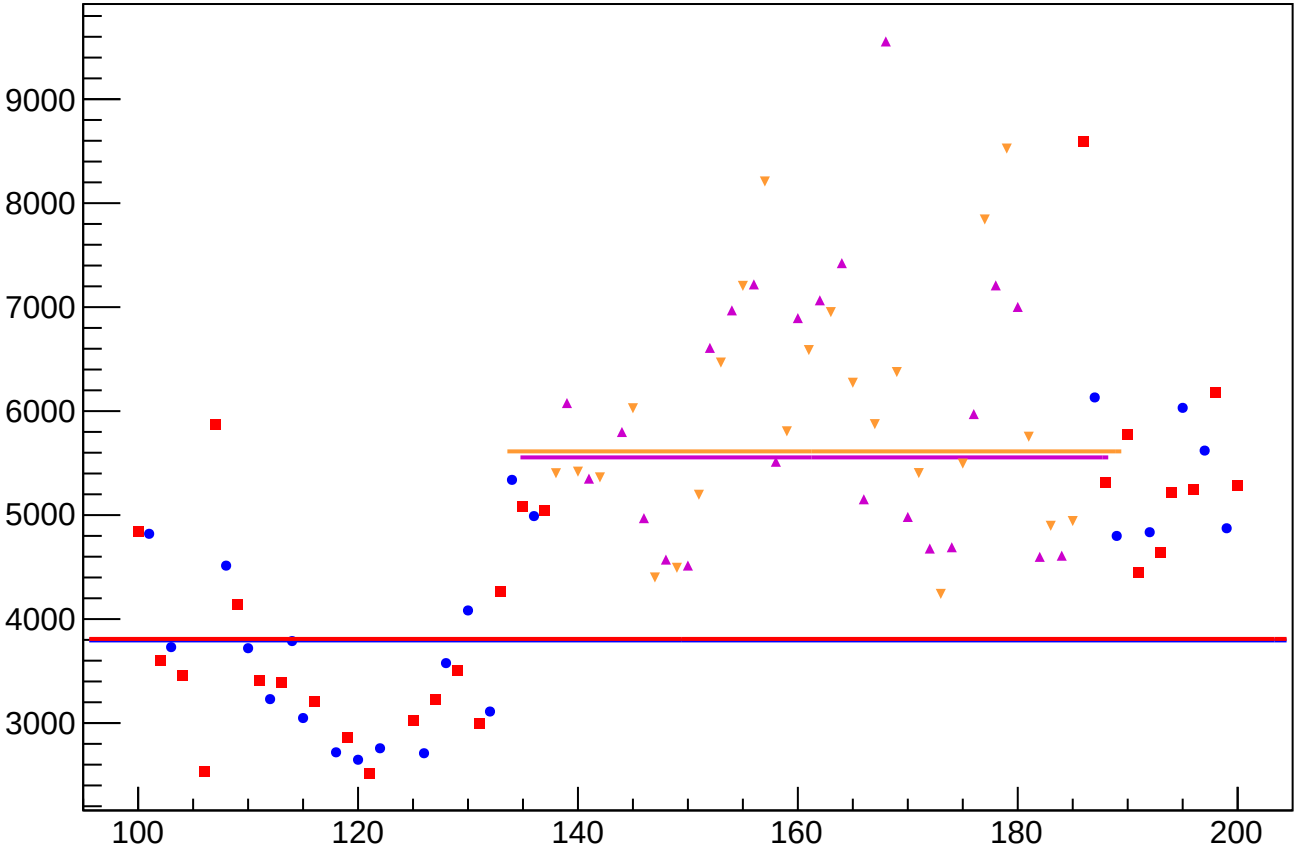
Right: -374.192+/-791.515 χ^2/NDF: 60.0/48

In: -125.112+/-873.926 χ^2/NDF:36.8/44

Out: -816.043+/-839.561 χ^2/NDF:69.0/50

All: -484.429+/-605.444 χ^2/NDF: 106.1/95

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3794.718+/-0.822 χ^2/NDF: 1578293.4/21

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

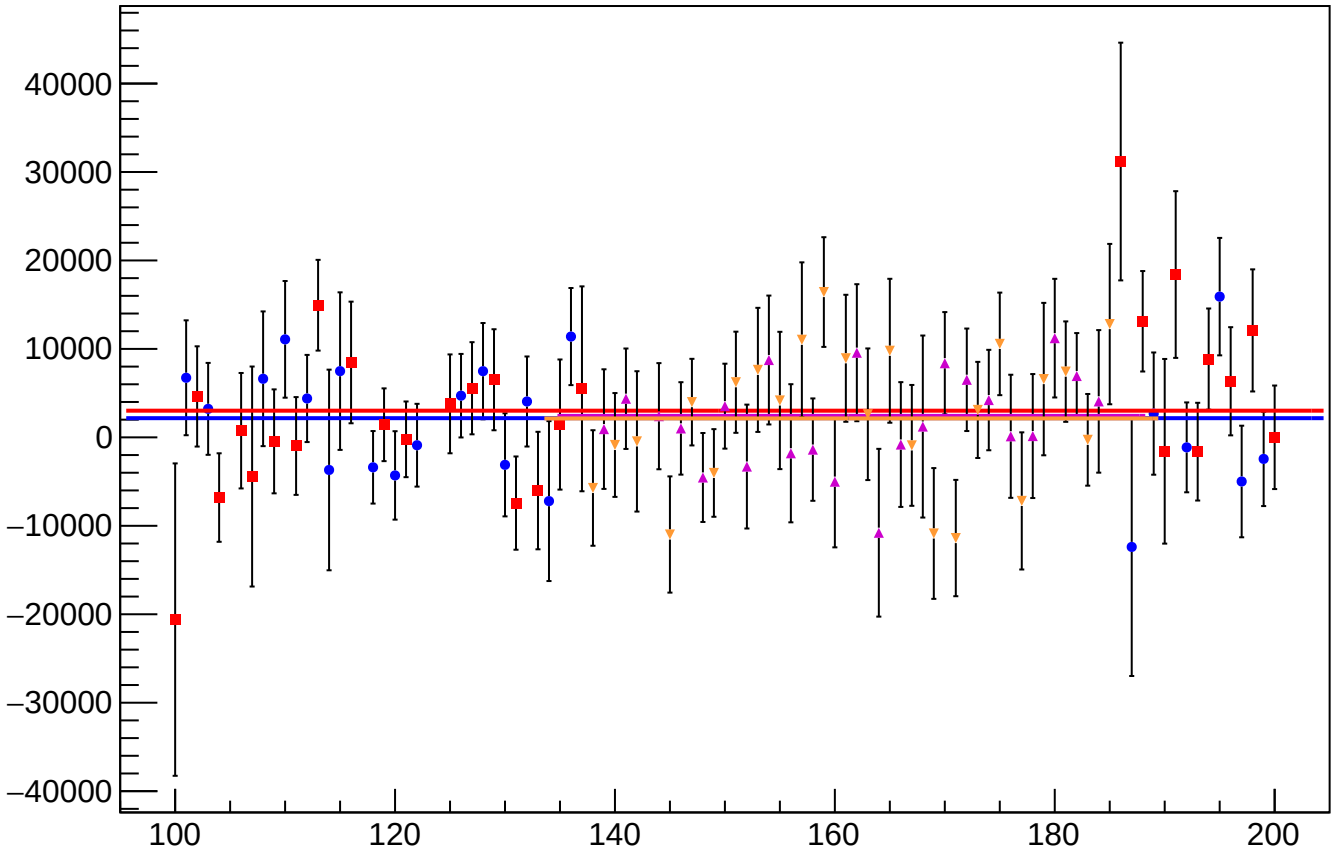
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3802.445+/-0.560 χ^2/NDF: 3646877.8/48

In: 4559.105+/-0.618 χ^2/NDF:4904597.5/44

Out: 4525.235+/-0.594 χ^2/NDF:5466219.1/50

All: 4541.491+/-0.428 χ^2/NDF: 10372378.9/9



Right In: 2168.540+/-1243.060 χ^2/NDF: 21.3/21

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

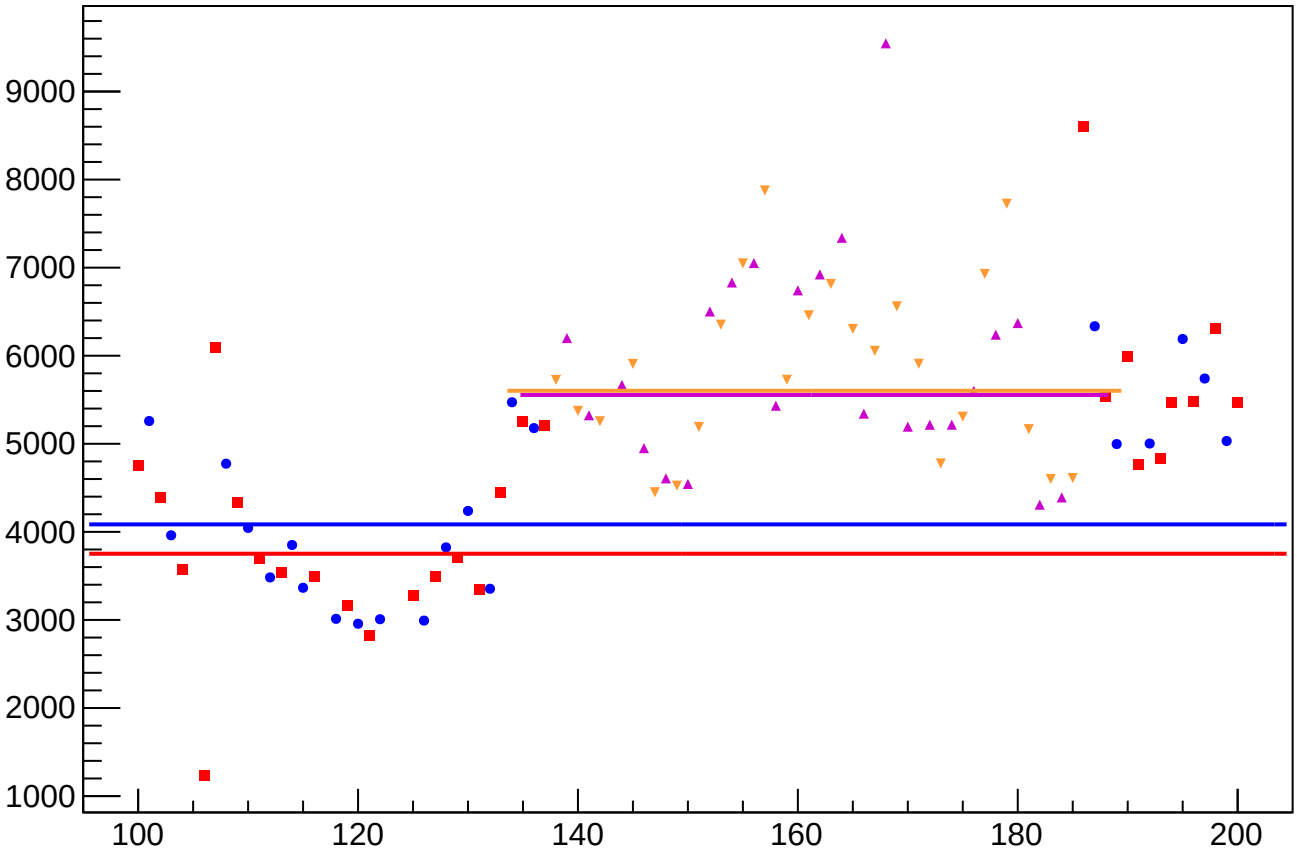
Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

Right: 2614.879+/-855.175 χ^2/NDF: 56.3/48

In: 2290.410+/-905.302 χ^2/NDF:34.2/44

Out: 2628.096+/-880.334 χ^2/NDF:65.7/50

All: 2463.974+/-631.133 χ^2/NDF: 100.0/95



Right In: 4085.090+/-0.879 χ^2/NDF: 1301483.4/21

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

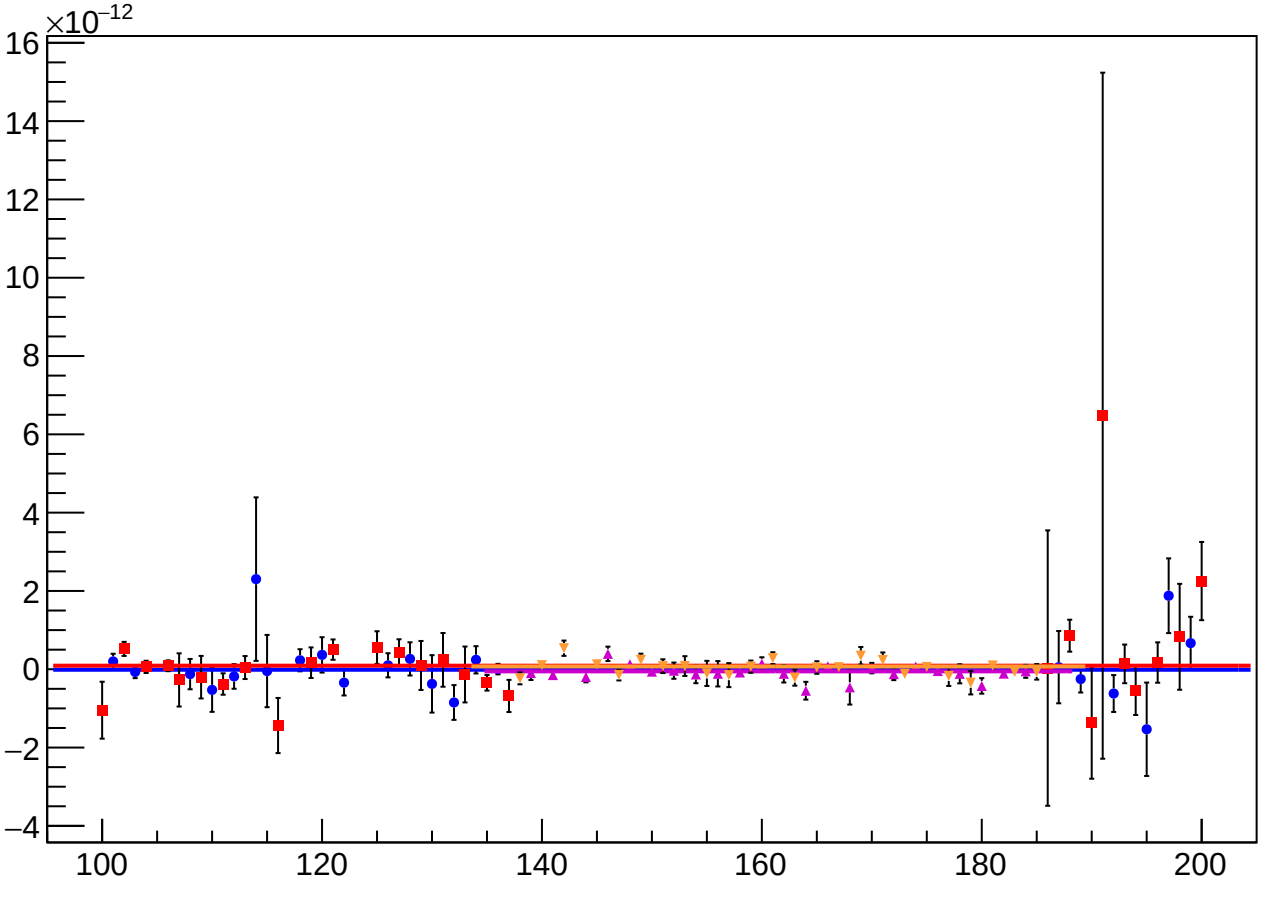
Right: 3898.806+/-0.584 χ^2/NDF: 4825704.3/48

In: 4774.916+/-0.640 χ^2/NDF:3725250.4/44

Out: 4510.420+/-0.600 χ^2/NDF:6687993.0/50

All: 4634.025+/-0.438 χ^2/NDF: 10504181.3/9

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

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

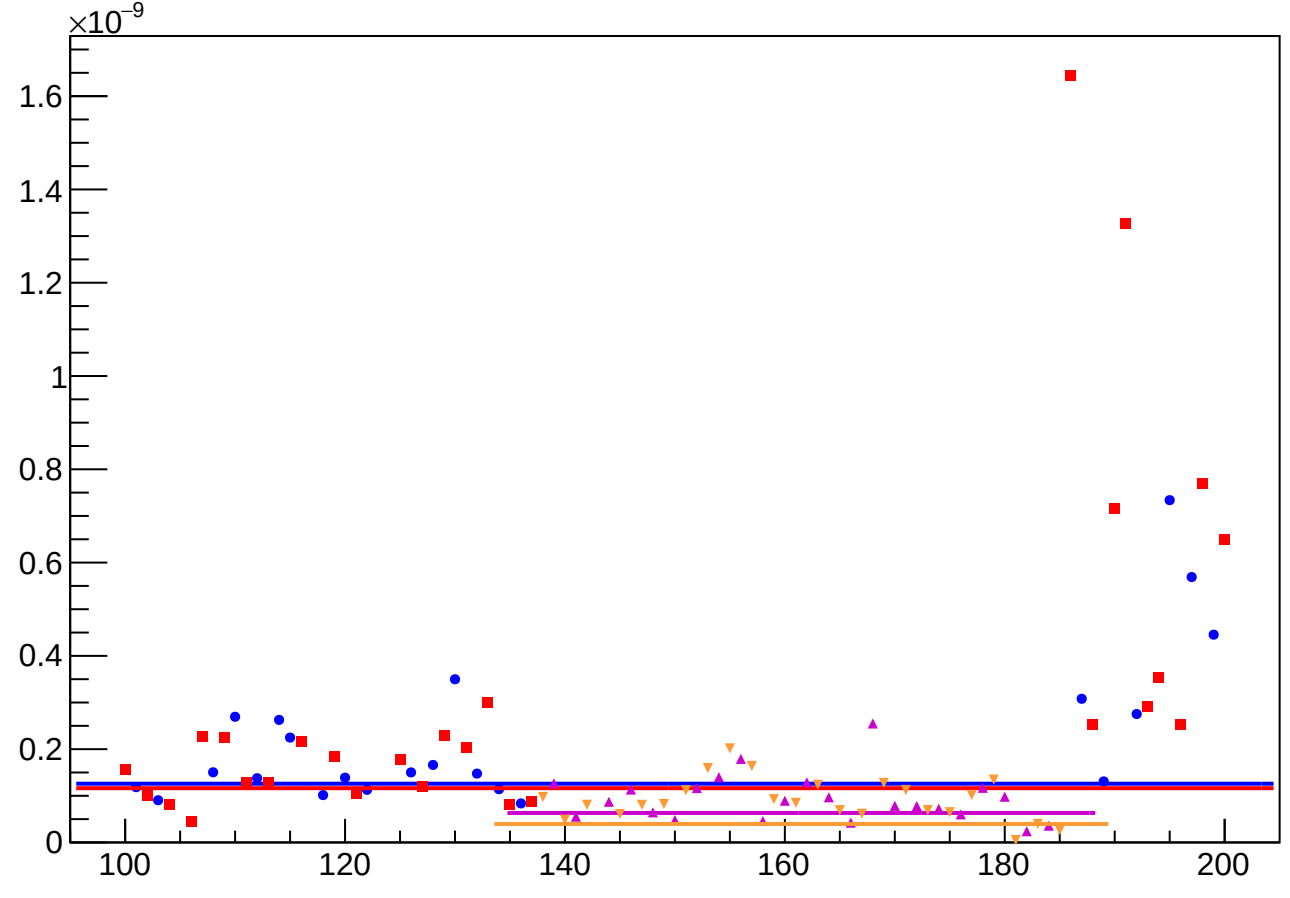
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 61.8/48

In: -0.000+/-0.000 χ^2/NDF:45.5/44

Out: 0.000+/-0.000 χ^2/NDF:69.1/50

All: 0.000+/-0.000 χ^2/NDF: 127.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 2401960.1/21

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

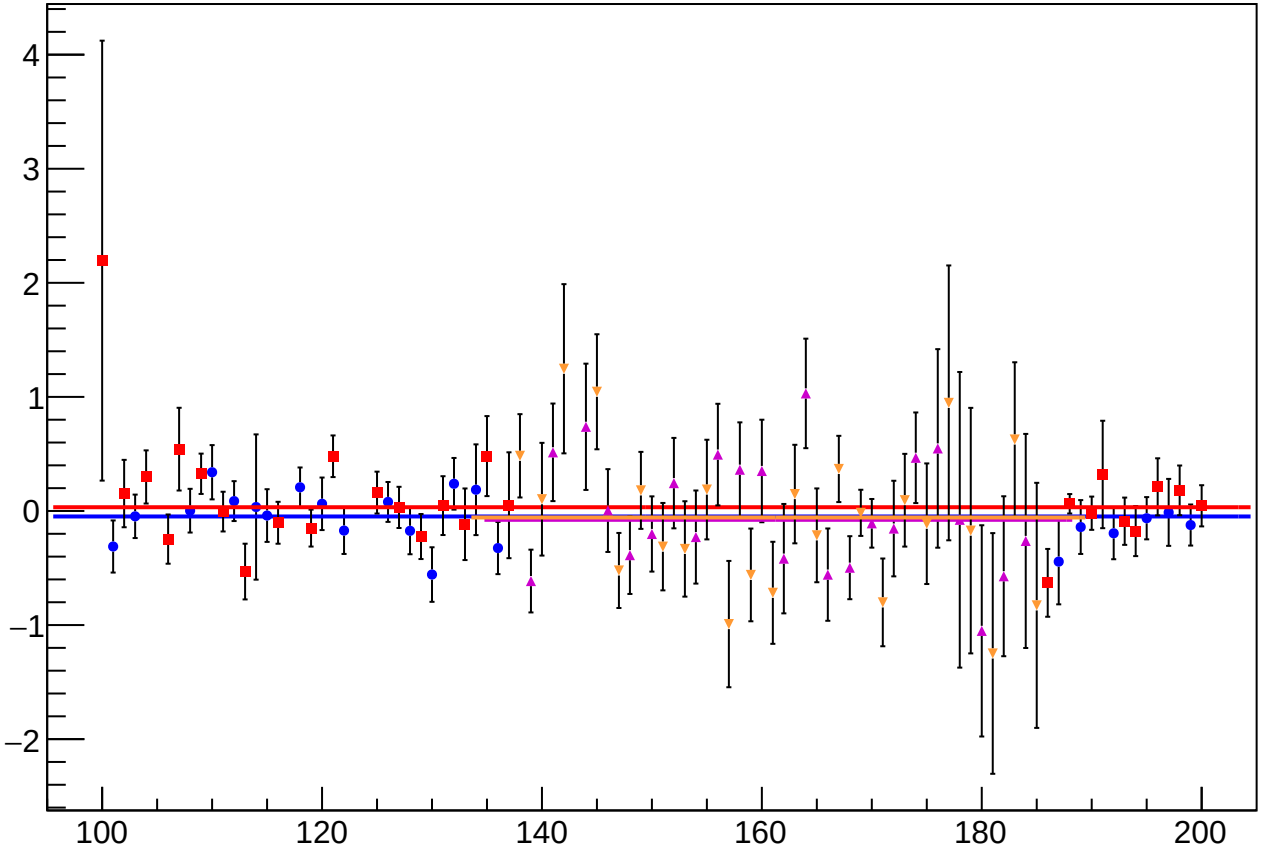
Right: 0.000+/-0.000 χ^2/NDF: 6361785.1/48

In: 0.000+/-0.000 χ^2/NDF:6799354.1/44

Out: 0.000+/-0.000 χ^2/NDF:13517484.9/50

All: 0.000+/-0.000 χ^2/NDF: 21403626.4/95

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

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

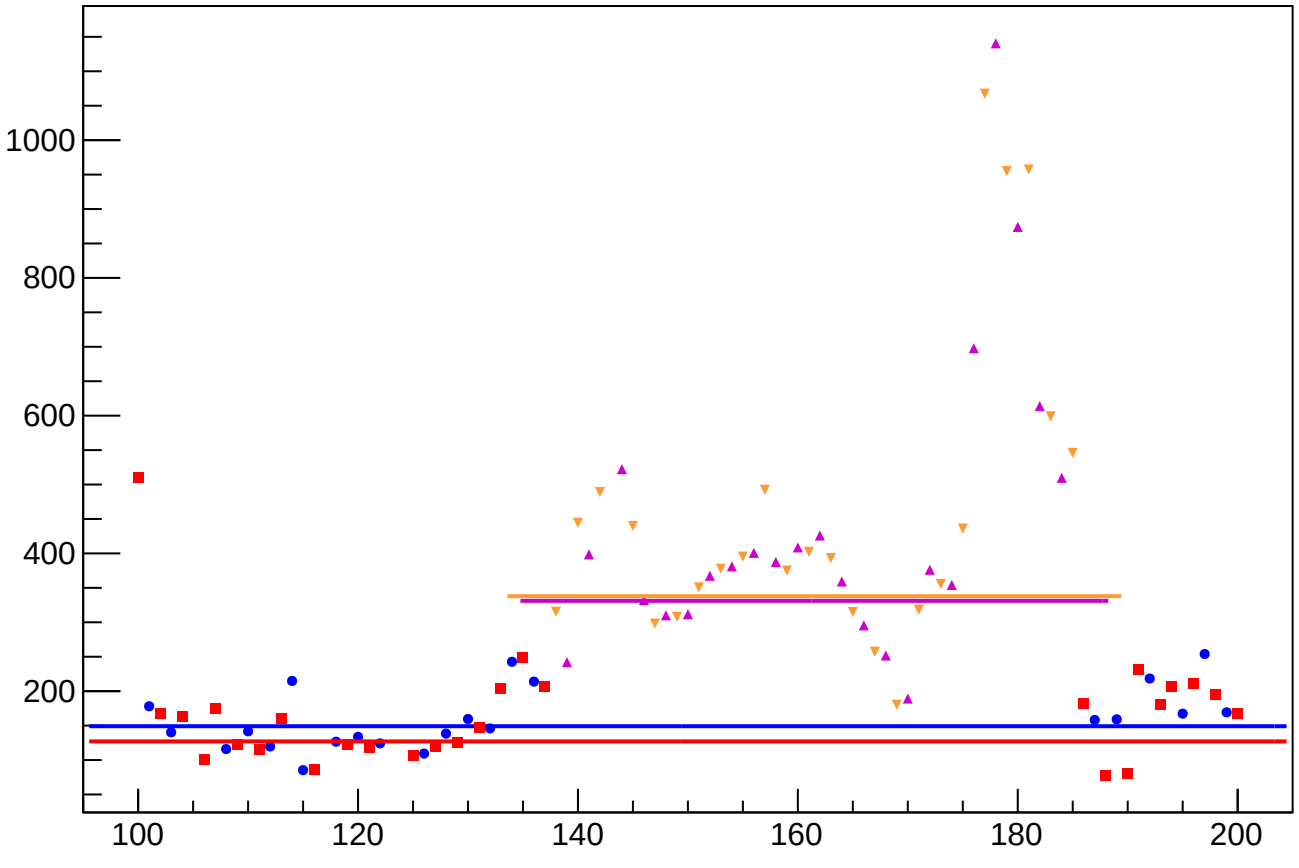
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.030 χ^2/NDF: 54.2/48

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.013+/-0.027 χ^2/NDF: 112.6/95



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

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

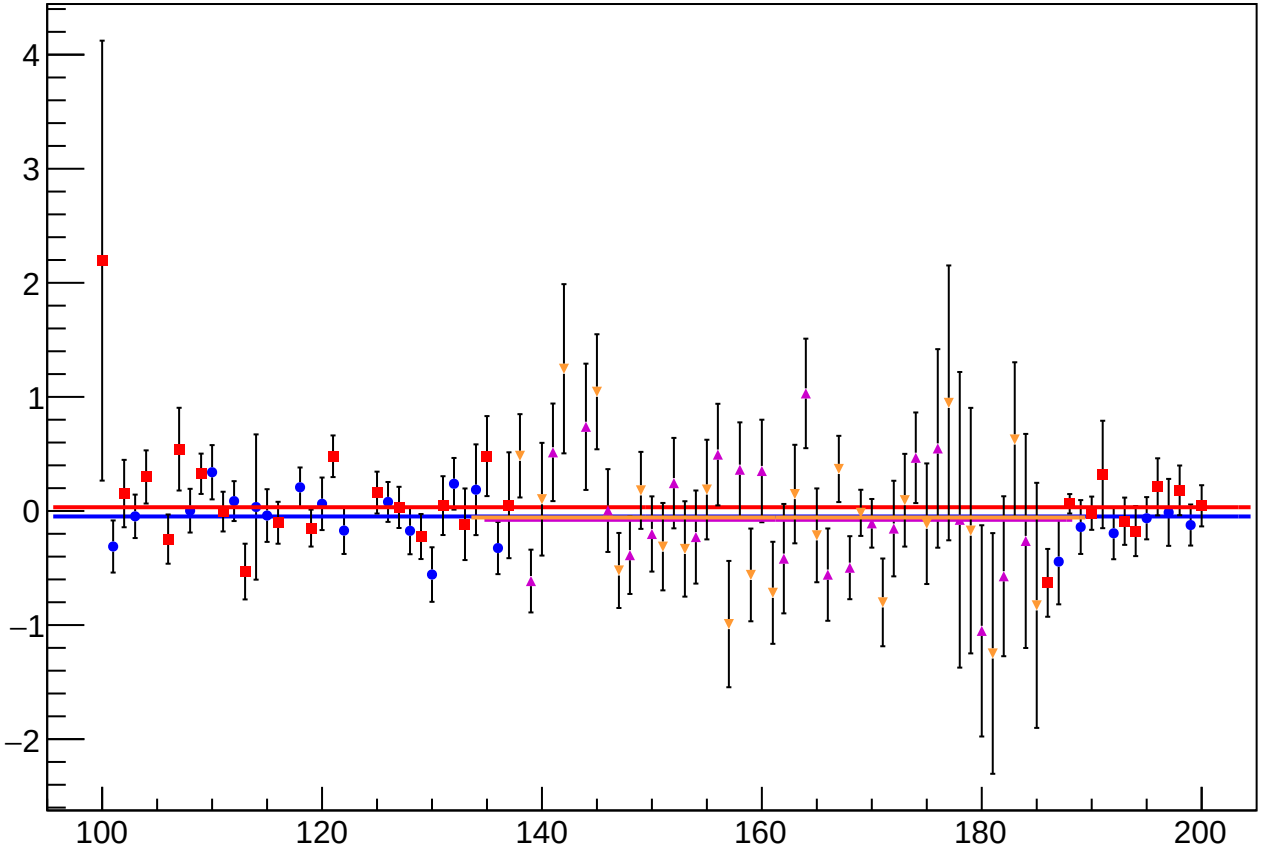
Right: 135.953+/-0.021 χ^2/NDF: 4359763.8/48

In: 192.707+/-0.029 χ^2/NDF:12626305.6/44

Out: 162.613+/-0.025 χ^2/NDF:17462510.6/50

All: 175.400+/-0.019 χ^2/NDF: 30713894.3/95

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

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

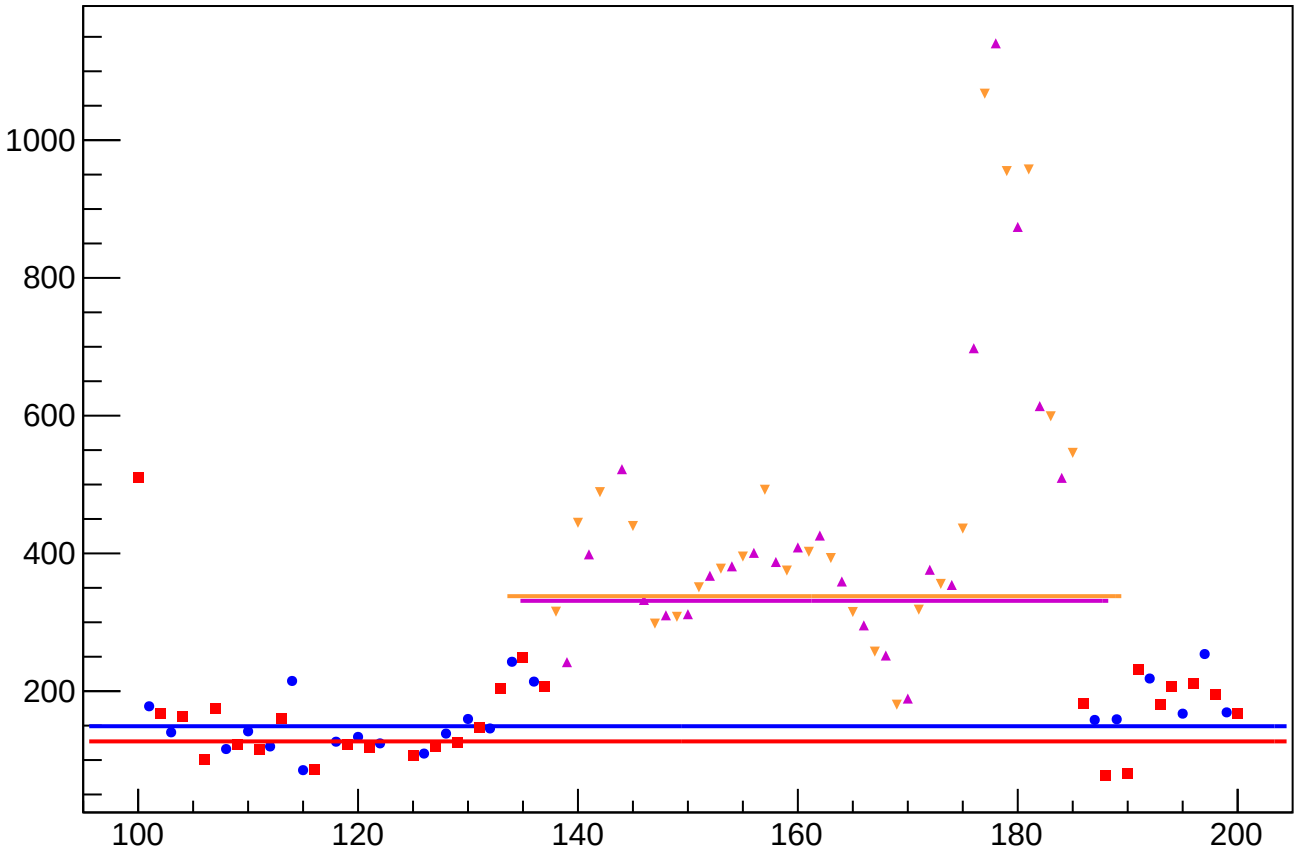
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.030 χ^2/NDF: 54.2/48

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.013+/-0.027 χ^2/NDF: 112.6/95



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

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

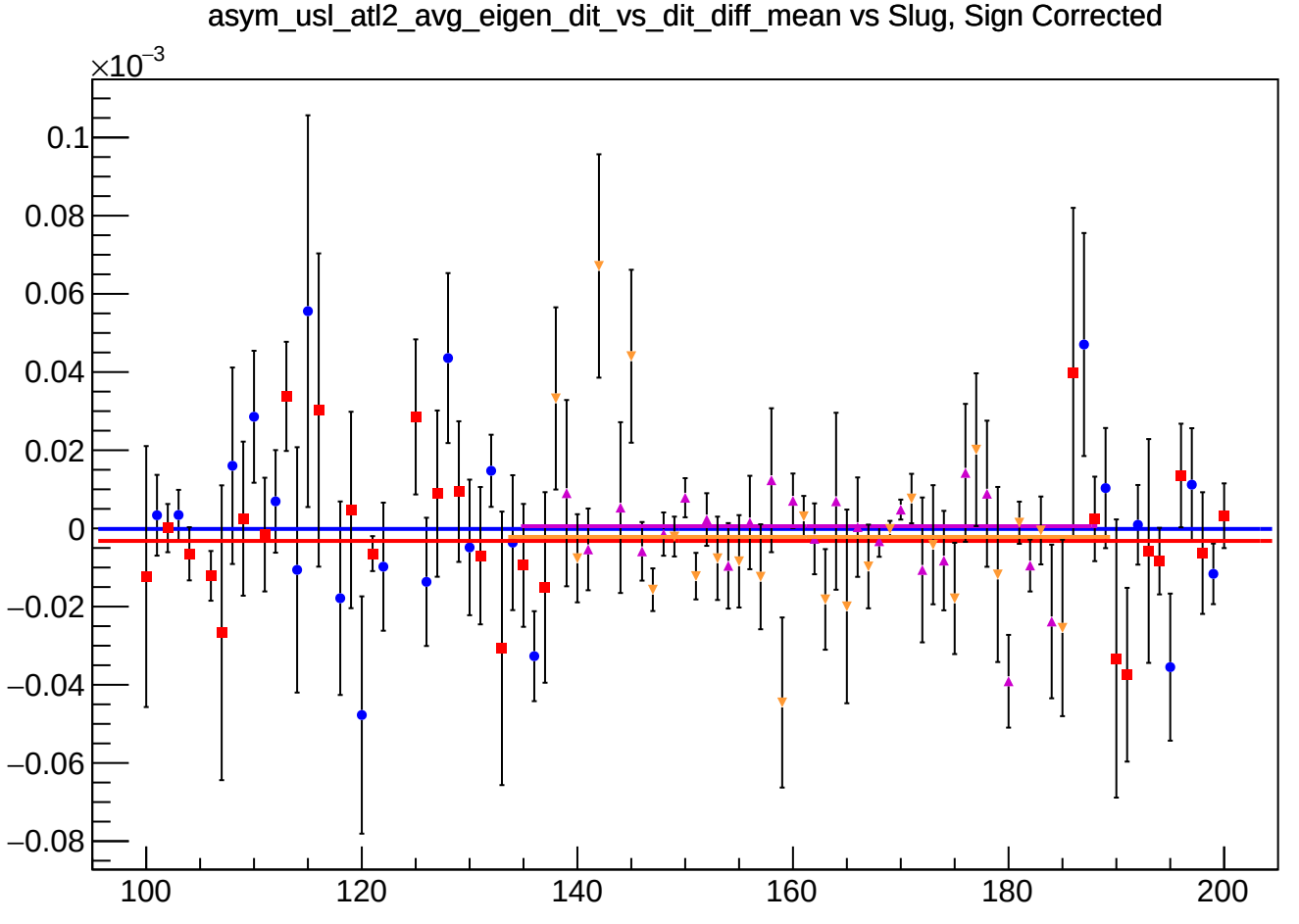
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

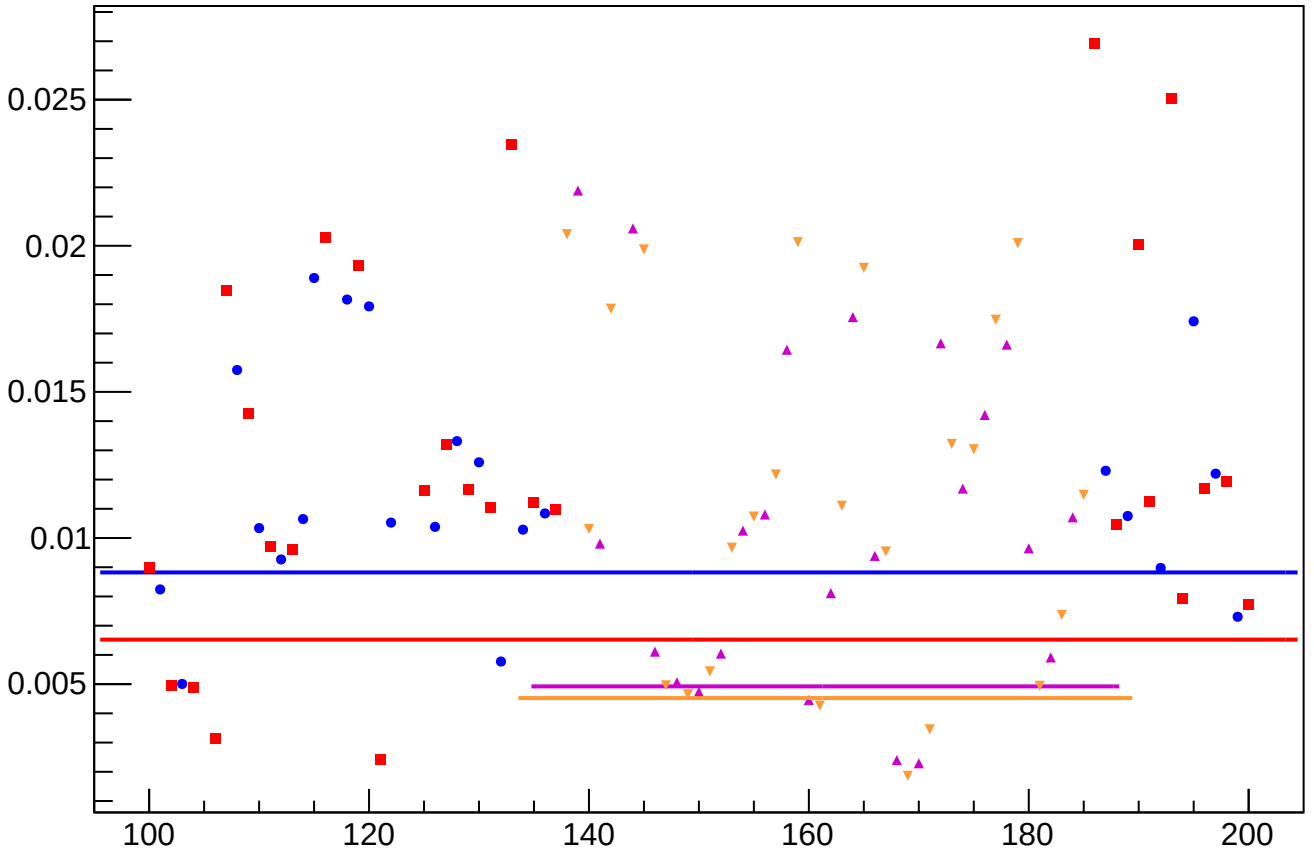
Right: 135.953+/-0.021 χ^2/NDF: 4359763.8/48

In: 192.707+/-0.029 χ^2/NDF:12626305.6/44

Out: 162.613+/-0.025 χ^2/NDF:17462510.6/50

All: 175.400+/-0.019 χ^2/NDF: 30713894.3/95


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.7/21
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.8/26
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: -0.000+/-0.000 χ²/NDF: 57.2/48
In: 0.000+/-0.000 χ²/NDF:60.0/44
Out: -0.000+/-0.000 χ²/NDF:60.9/50
All: -0.000+/-0.000 χ²/NDF: 123.5/95



Right In: 0.009+/-0.000 χ^2/NDF: 2611570.0/21

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

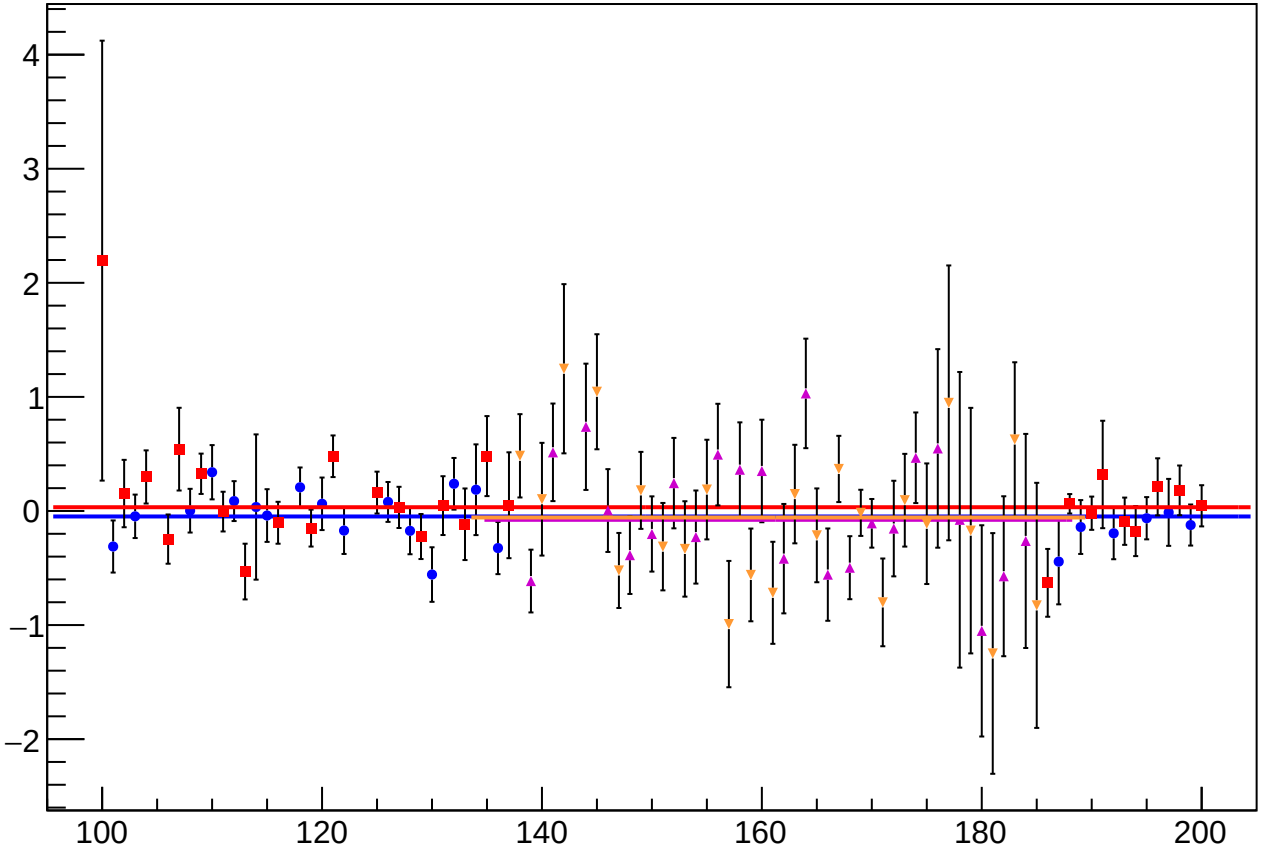
Right: 0.007+/-0.000 χ^2/NDF: 11329653.5/48

In: 0.006+/-0.000 χ^2/NDF:17183874.4/44

Out: 0.005+/-0.000 χ^2/NDF:23321253.1/50

All: 0.005+/-0.000 χ^2/NDF: 40783236.9/95

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

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

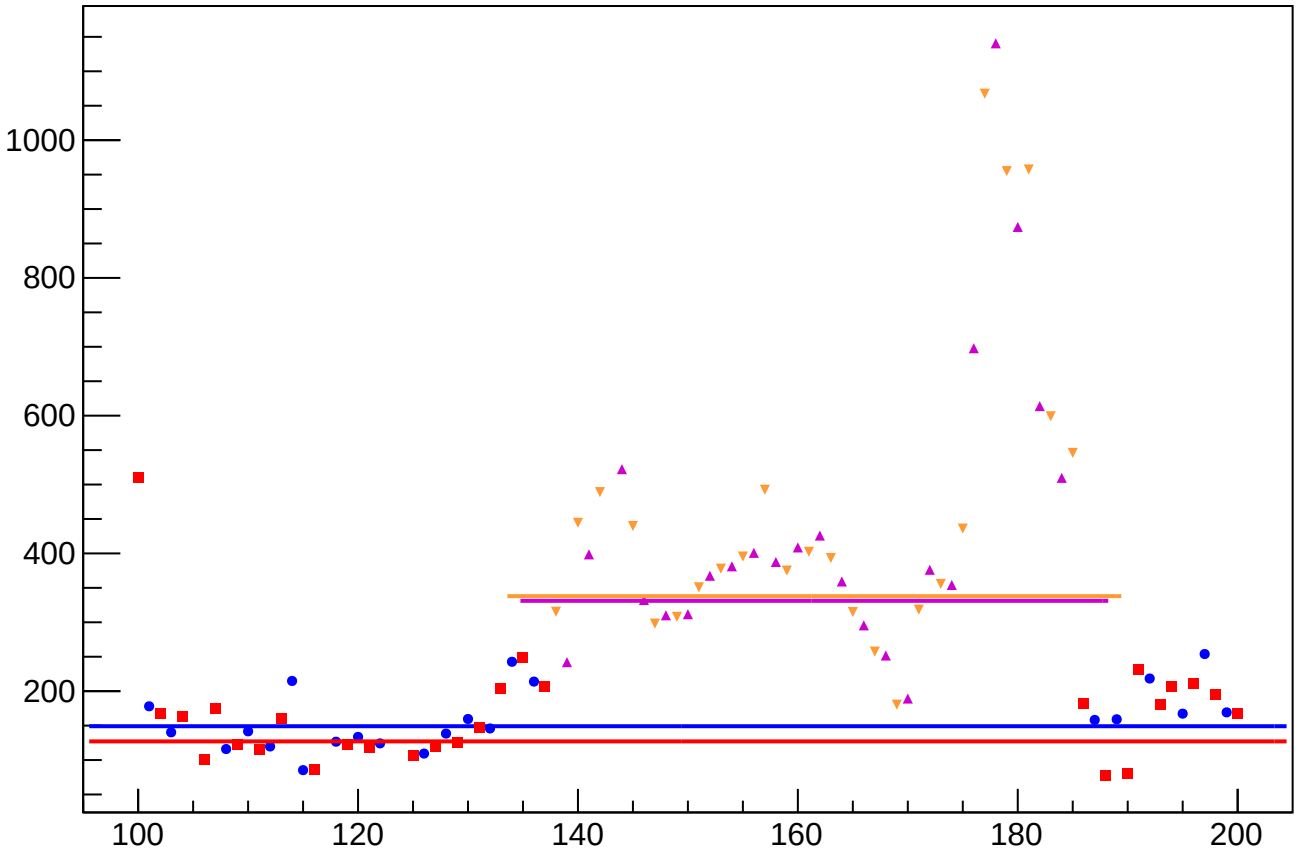
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.030 χ^2/NDF: 54.2/48

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.013+/-0.027 χ^2/NDF: 112.6/95



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

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

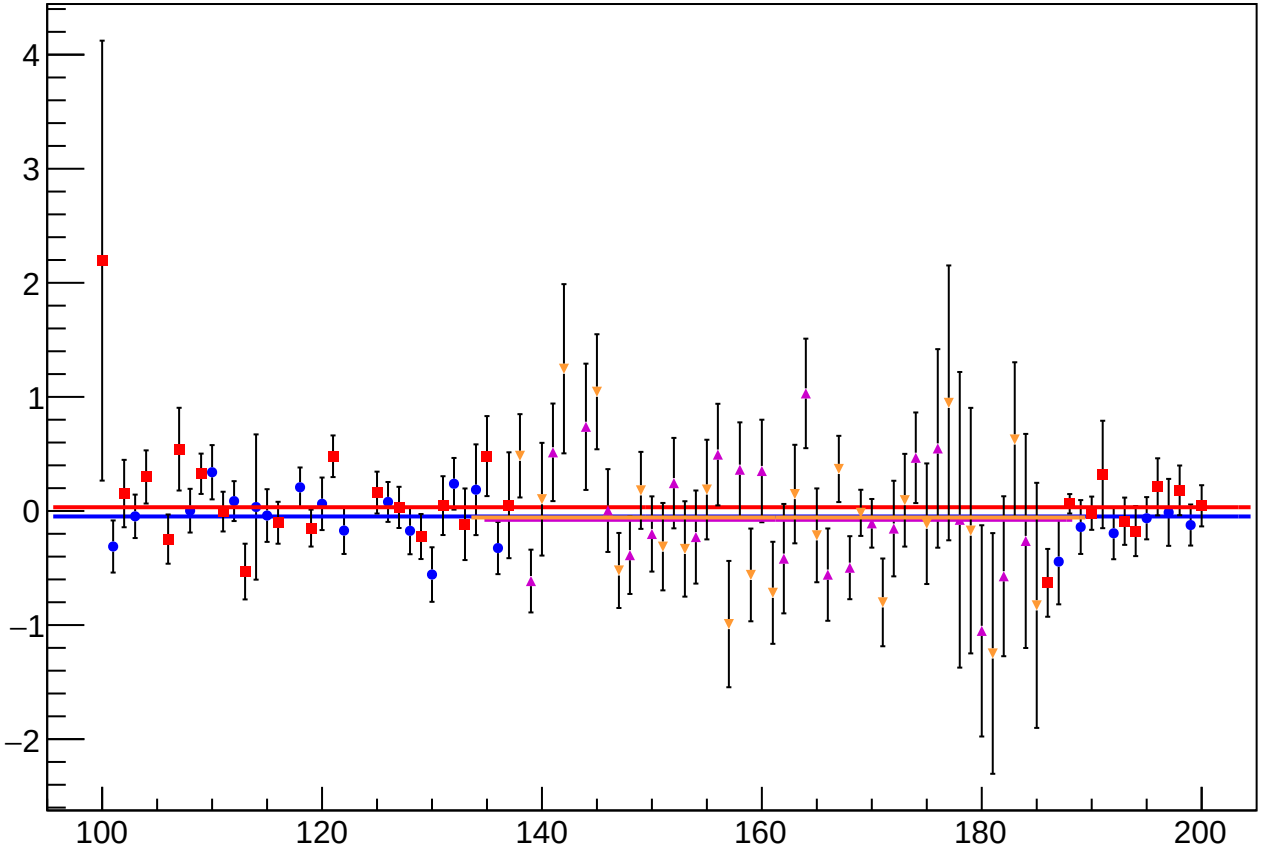
Right: 135.951+/-0.021 χ^2/NDF: 4359906.7/48

In: 192.707+/-0.029 χ^2/NDF:12626400.3/44

Out: 162.611+/-0.025 χ^2/NDF:17462983.7/50

All: 175.398+/-0.019 χ^2/NDF: 30714557.1/95

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

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

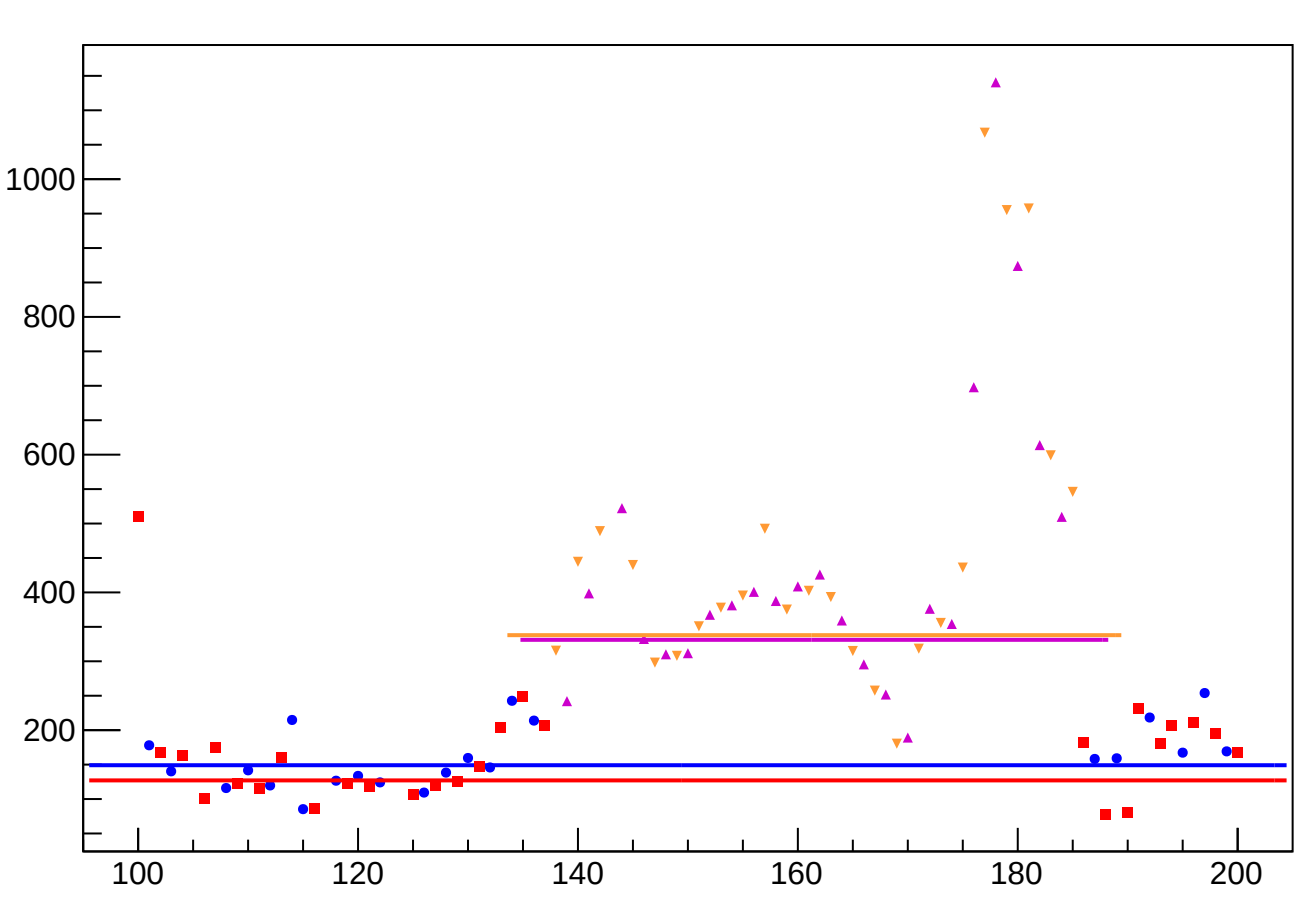
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.000+/-0.030 χ^2/NDF: 54.2/48

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.018+/-0.035 χ^2/NDF:65.5/50

All: -0.013+/-0.027 χ^2/NDF: 112.6/95



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

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

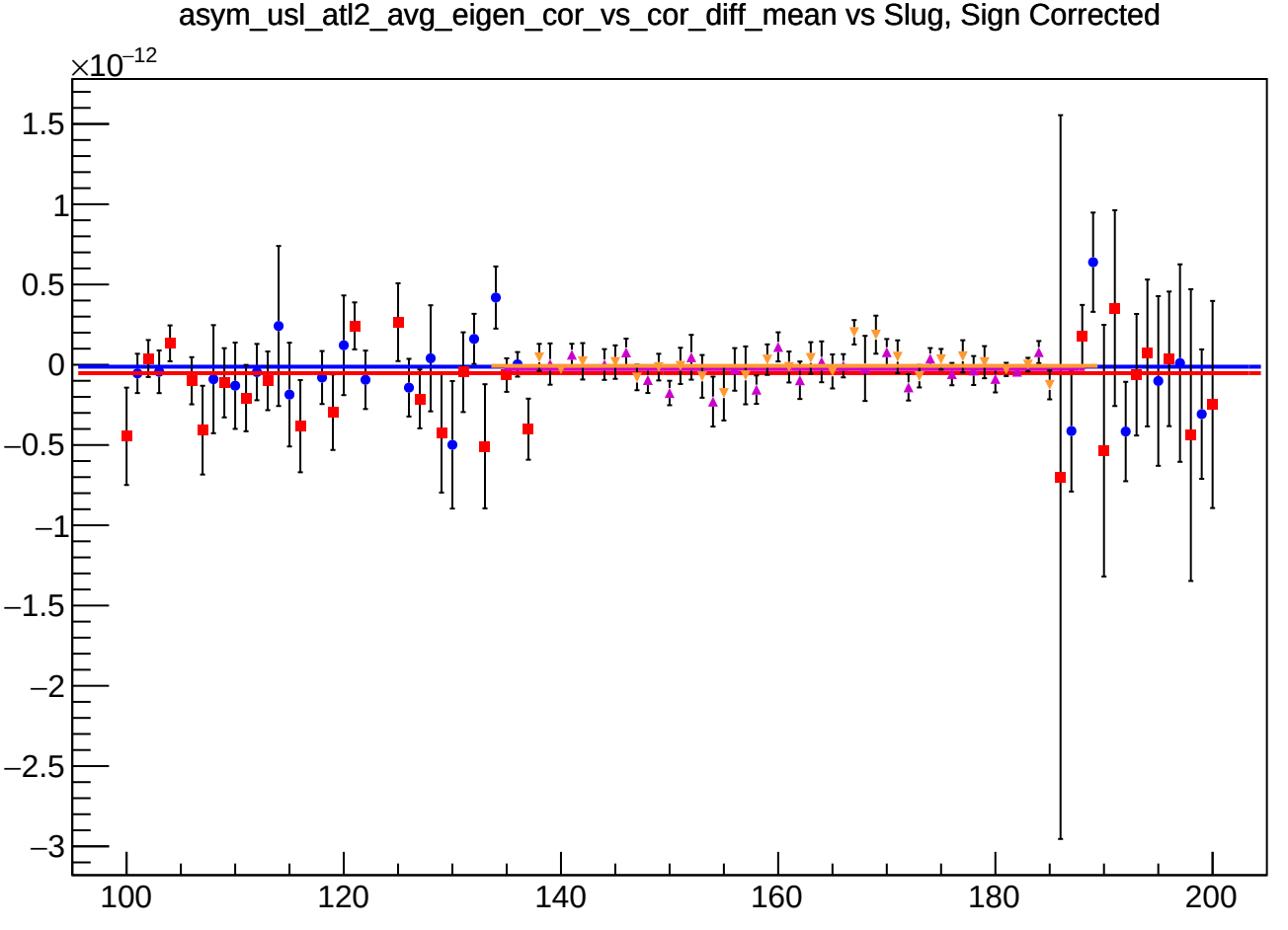
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 135.951+/-0.021 χ^2/NDF: 4359906.7/48

In: 192.707+/-0.029 χ^2/NDF:12626400.3/44

Out: 162.611+/-0.025 χ^2/NDF:17462983.7/50

All: 175.398+/-0.019 χ^2/NDF: 30714557.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

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

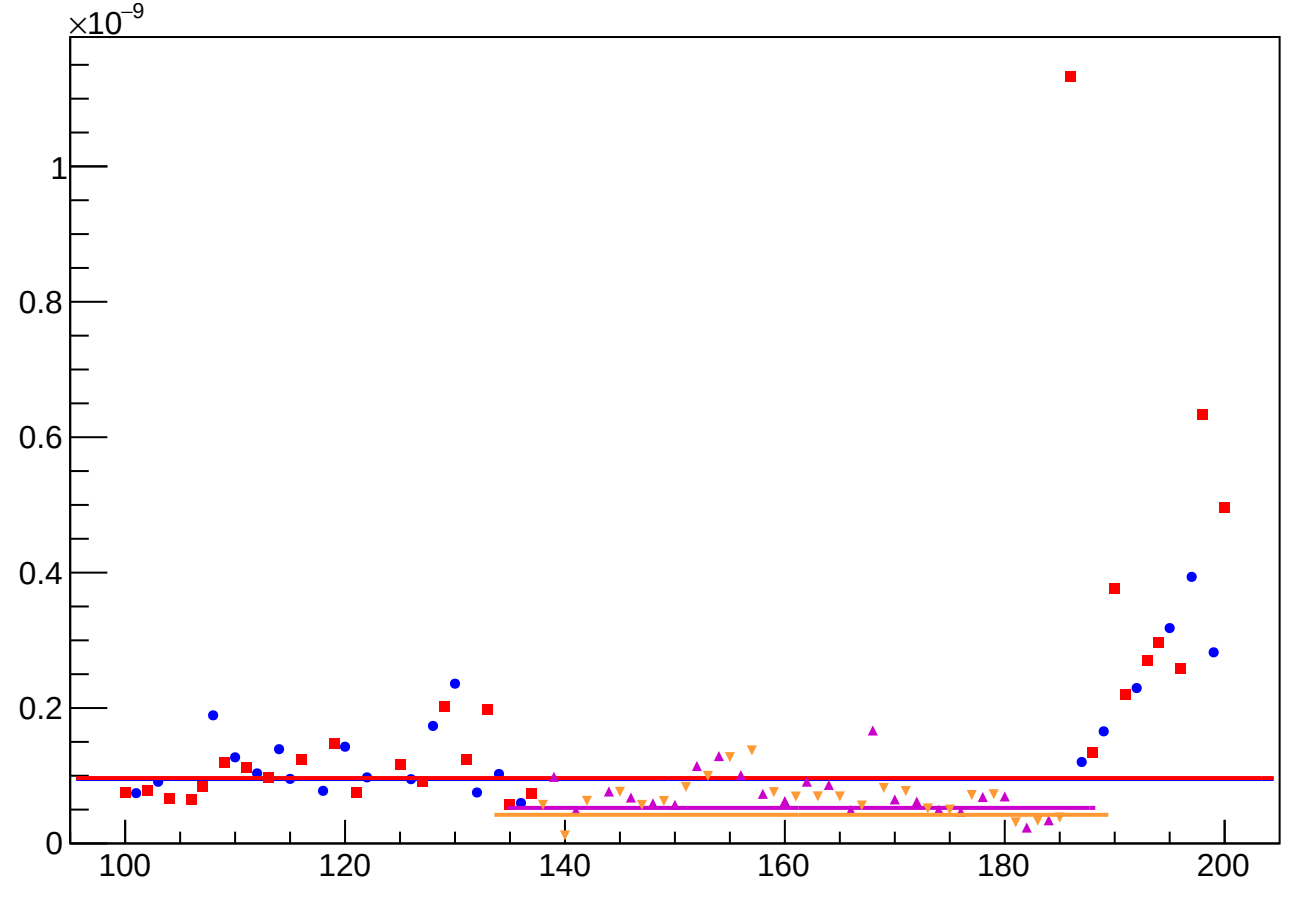
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 43.0/48

In: -0.000+/-0.000 χ^2/NDF:40.6/44

Out: -0.000+/-0.000 χ^2/NDF:44.1/50

All: -0.000+/-0.000 χ^2/NDF: 85.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 2910723.0/21

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

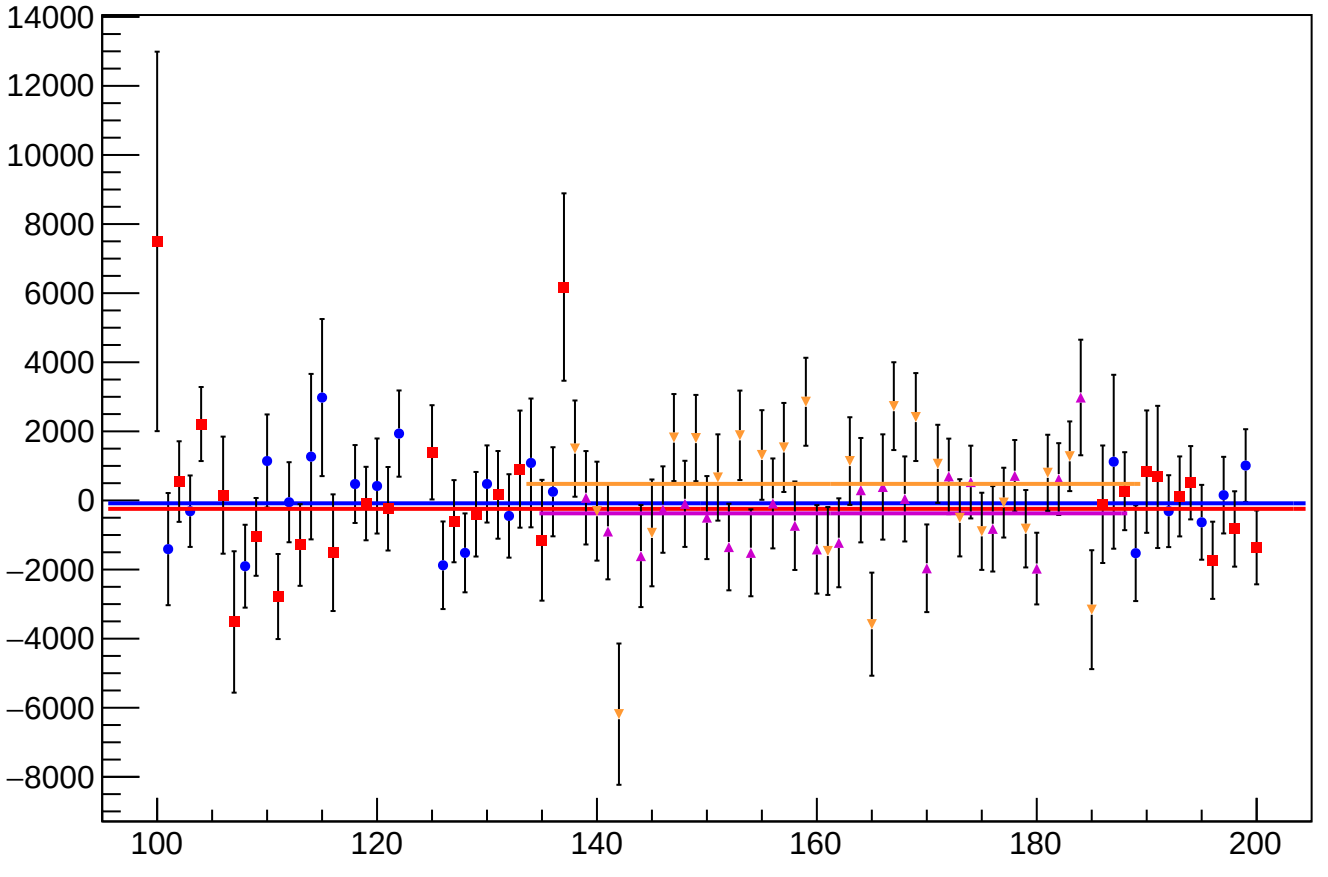
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 7445217.6/48

In: 0.000+/-0.000 χ^2/NDF:9682901.6/44

Out: 0.000+/-0.000 χ^2/NDF:14484296.1/50

All: 0.000+/-0.000 χ^2/NDF: 24635914.8/95



Right In: -82.549+/-271.499 χ^2/NDF: 16.1/21

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

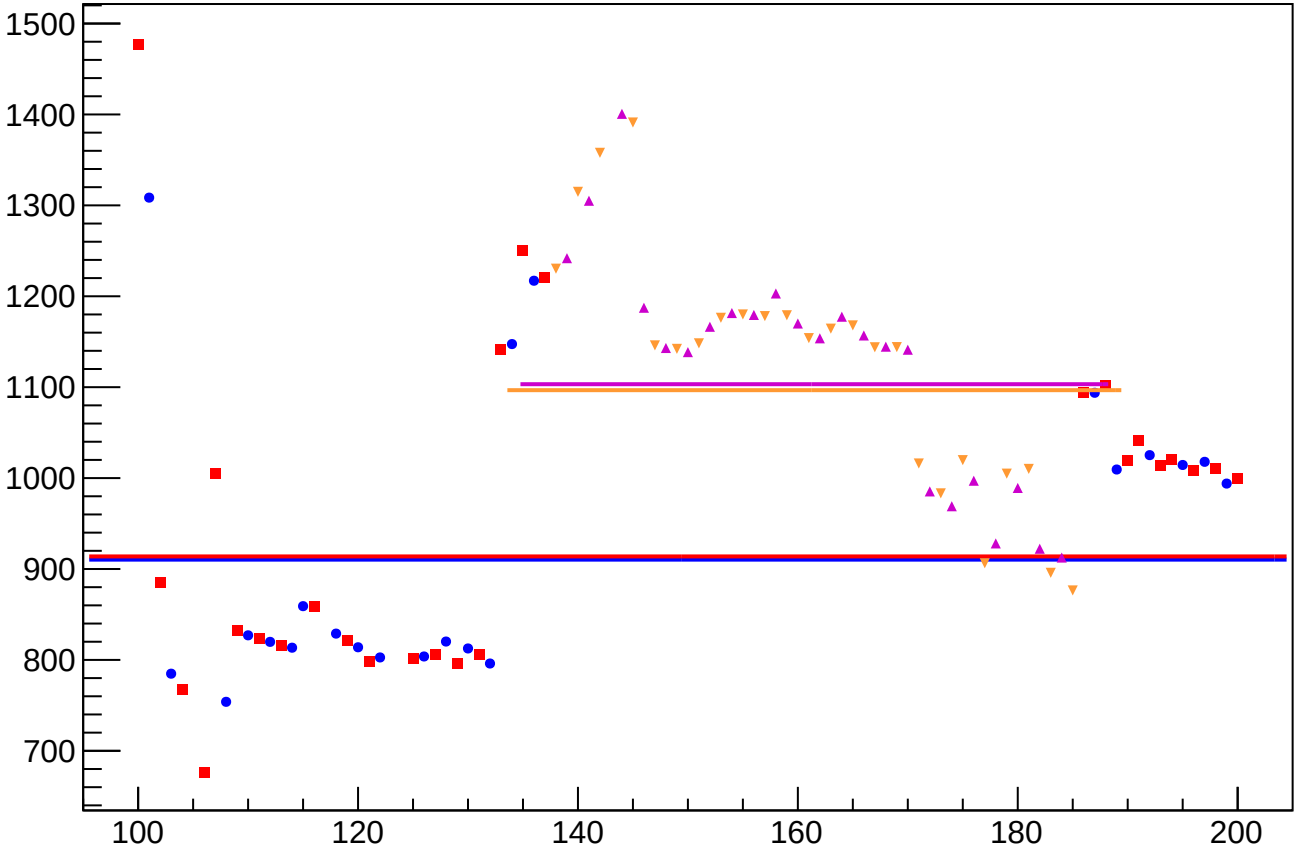
Right: -167.950+/-185.510 χ^2/NDF: 45.2/48

In: -234.400+/-187.523 χ^2/NDF:32.7/44

Out: 115.209+/-180.448 χ^2/NDF:78.1/50

All: -52.876+/-130.025 χ^2/NDF: 112.7/95

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 910.322+/-0.192 χ^2/NDF: 543611.5/21

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

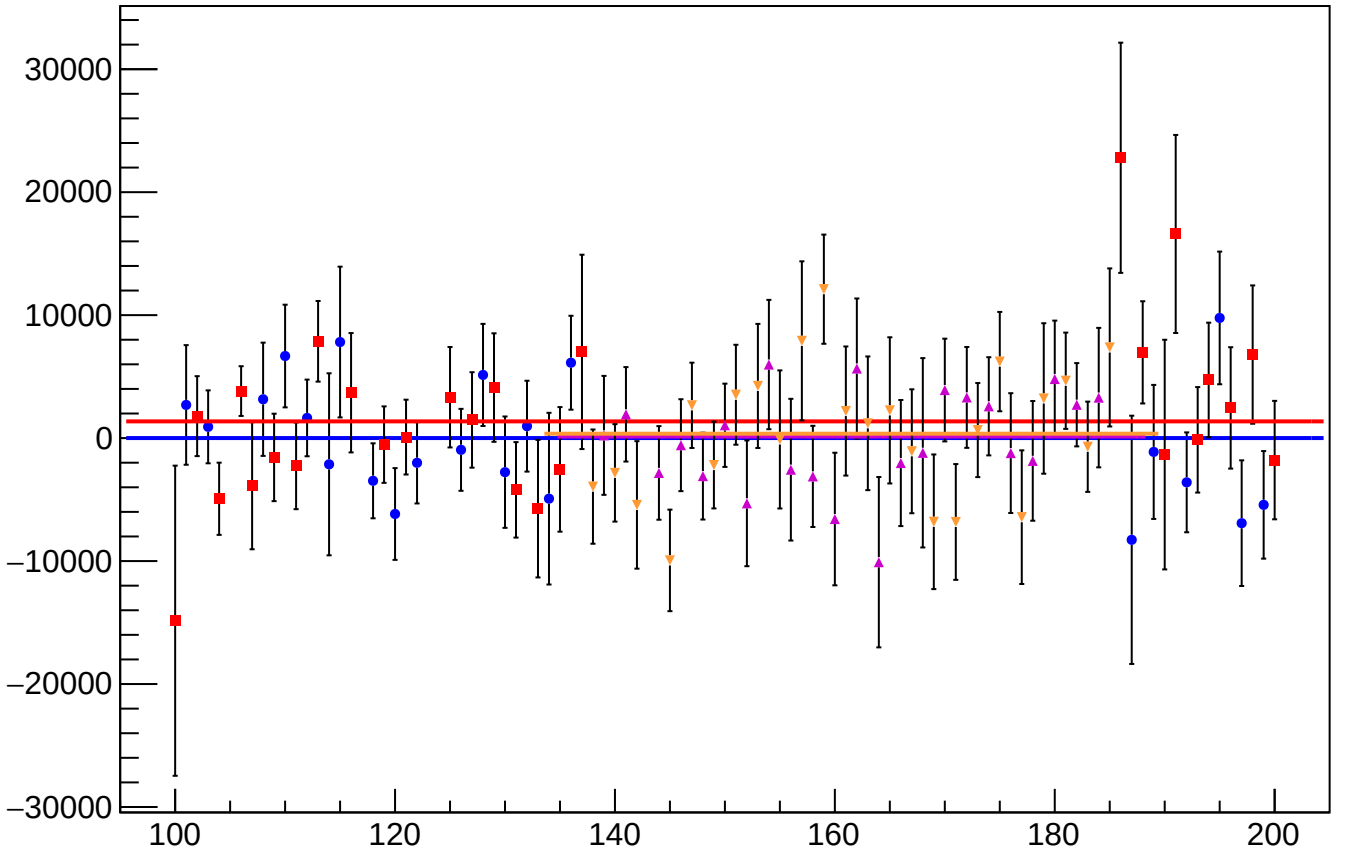
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 912.206+/-0.131 χ^2/NDF: 1114729.3/48

In: 1011.228+/-0.133 χ^2/NDF:1519447.9/44

Out: 1003.749+/-0.127 χ^2/NDF:1568931.3/50

All: 1007.330+/-0.092 χ^2/NDF: 3090037.4/95



Right In: 3.938+/-888.211 χ^2/NDF: 23.1/21

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

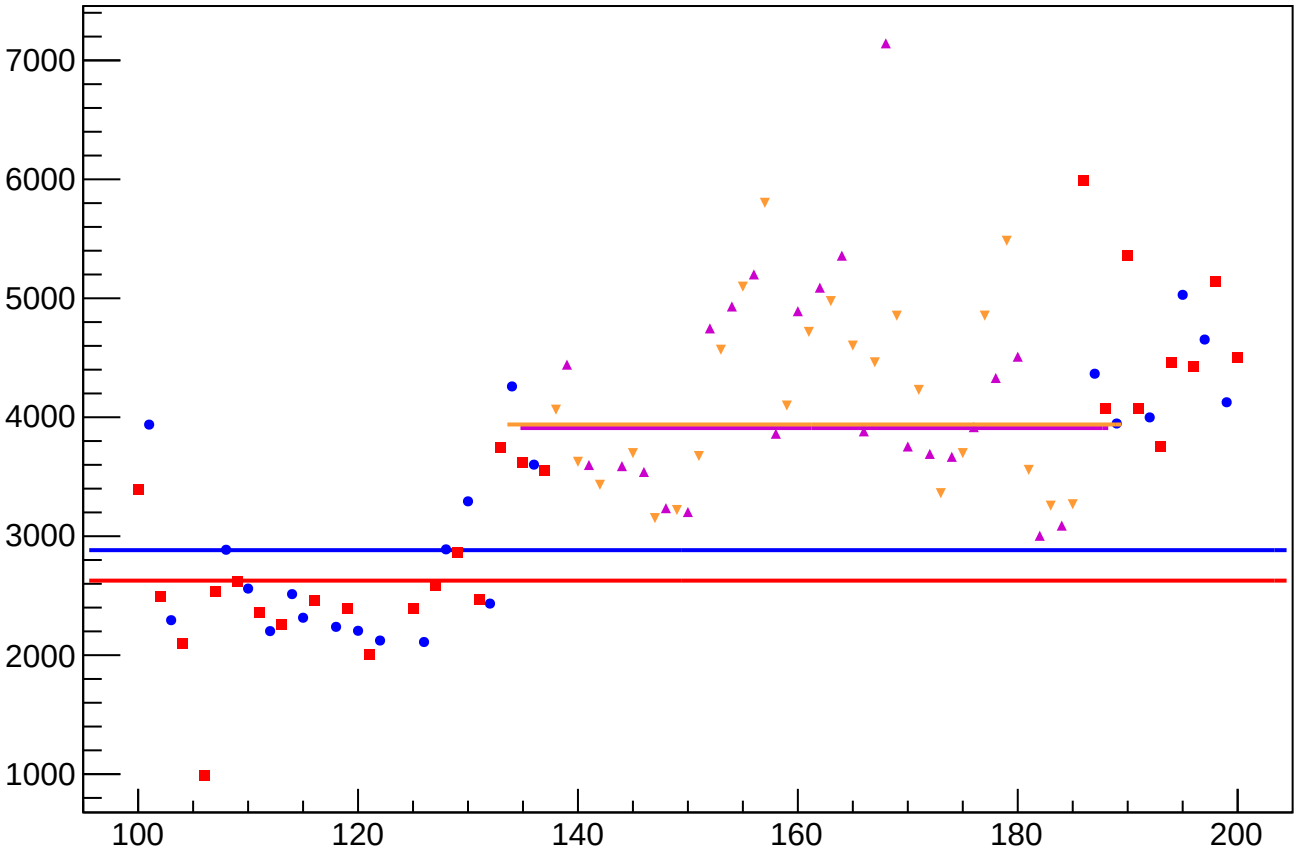
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 770.906+/-585.551 χ^2/NDF: 57.8/48

In: 62.323+/-643.195 χ^2/NDF:36.9/44

Out: 949.370+/-598.172 χ^2/NDF:64.4/50

All: 537.976+/-438.024 χ^2/NDF: 102.2/95



Right In: 2882.738+/-0.628 χ^2/NDF: 1854346.7/21

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

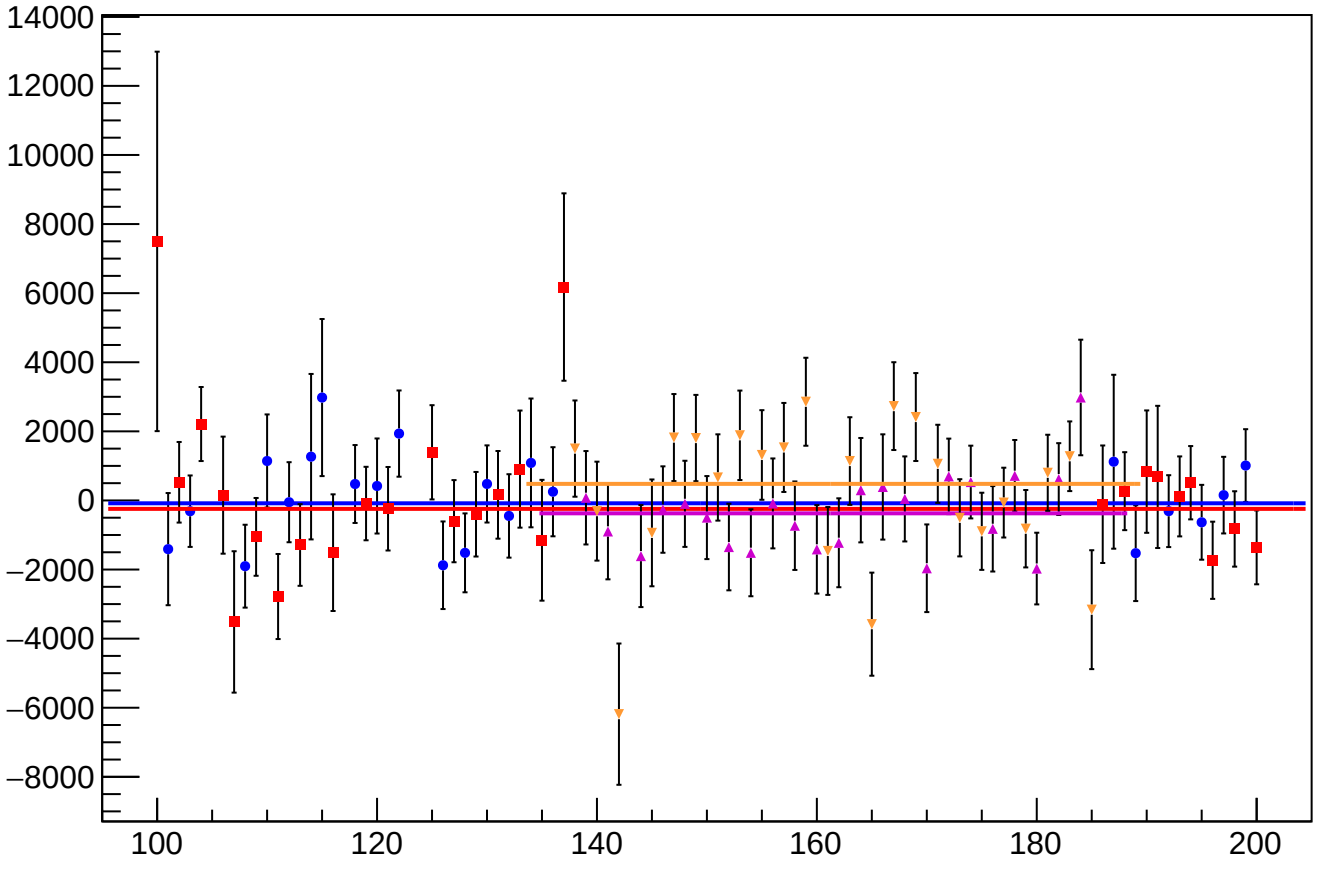
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2737.955+/-0.414 χ^2/NDF: 5823078.5/48

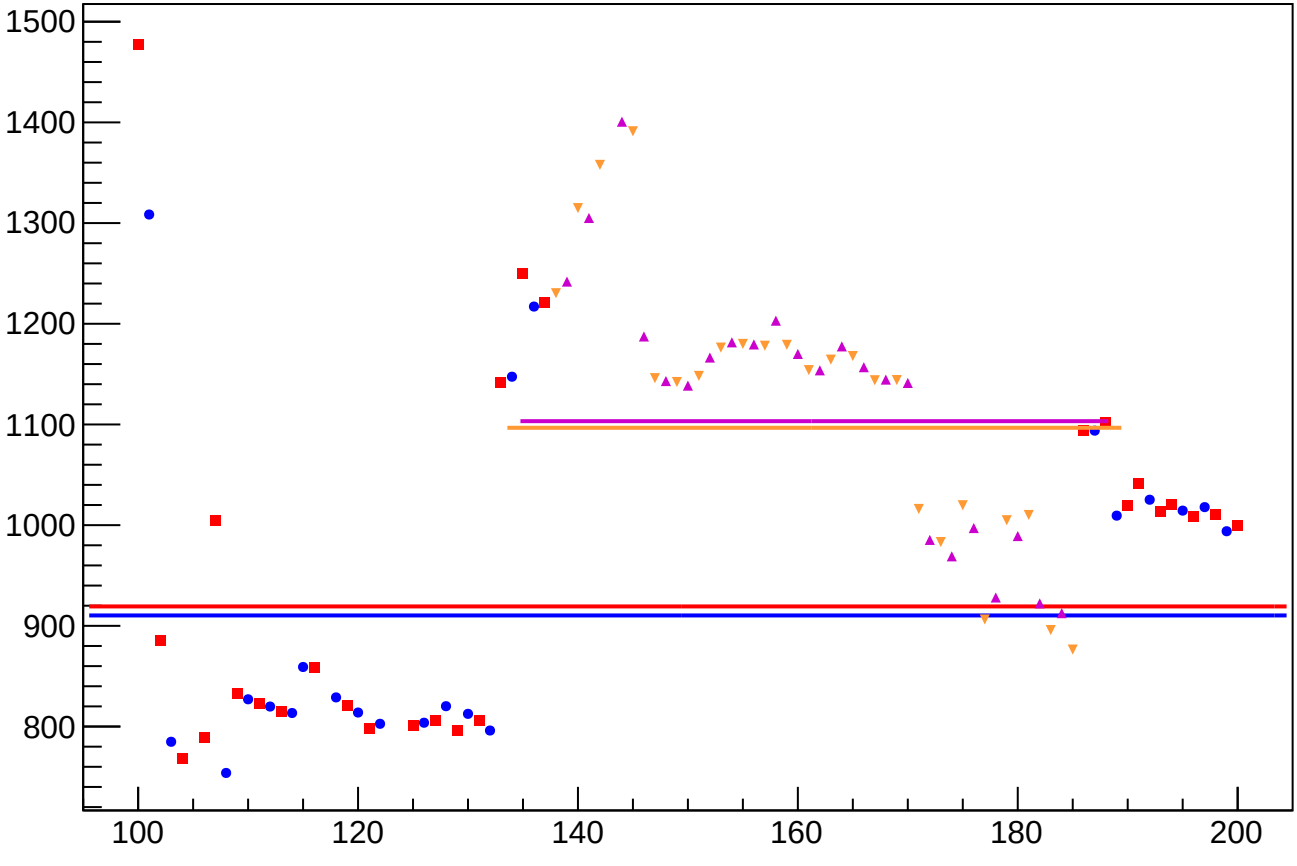
In: 3370.903+/-0.455 χ^2/NDF:4425342.8/44

Out: 3164.792+/-0.423 χ^2/NDF:7296934.3/50

All: 3260.382+/-0.310 χ^2/NDF: 11832403.8/9


cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -82.585+/-271.499 χ²/NDF: 16.1/21
Left Out: 479.583+/-256.330 χ²/NDF:45.2/23
Right Out: -243.766+/-254.071 χ²/NDF: 28.9/26
Left In: -372.901+/-259.314 χ²/NDF:16.0/22
Left: 58.275+/-182.298 χ²/NDF: 66.7/46
Right: -168.515+/-185.511 χ²/NDF: 45.2/48
In: -234.404+/-187.523 χ²/NDF:32.7/44
Out: 114.707+/-180.449 χ²/NDF:78.1/50
All: -53.139+/-130.025 χ²/NDF: 112.7/95

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

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

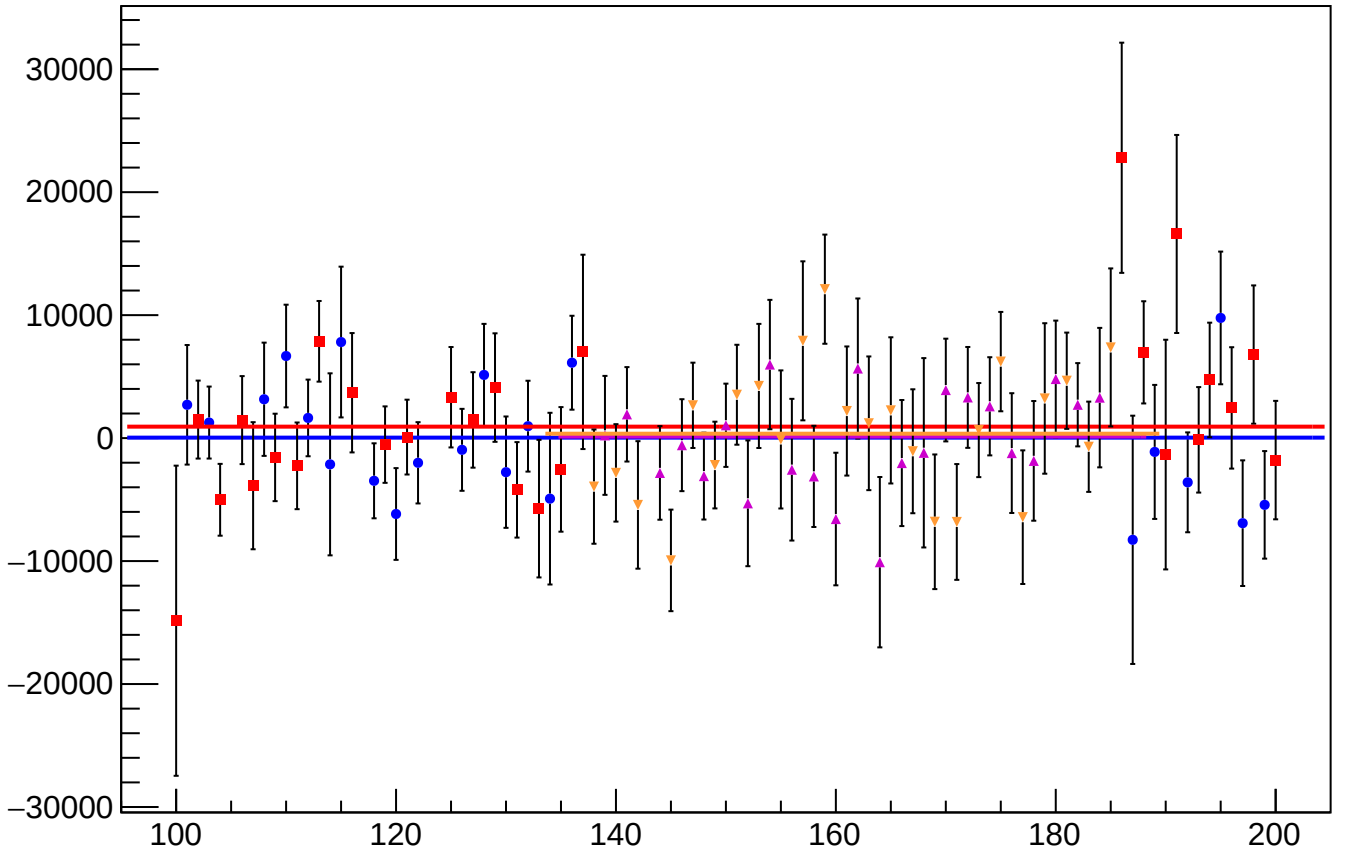
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 915.112+/-0.131 χ^2/NDF: 1061663.5/48

In: 1011.228+/-0.133 χ^2/NDF:1519448.0/44

Out: 1006.924+/-0.127 χ^2/NDF:1482310.5/50

All: 1008.990+/-0.092 χ^2/NDF: 3002306.4/95



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

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

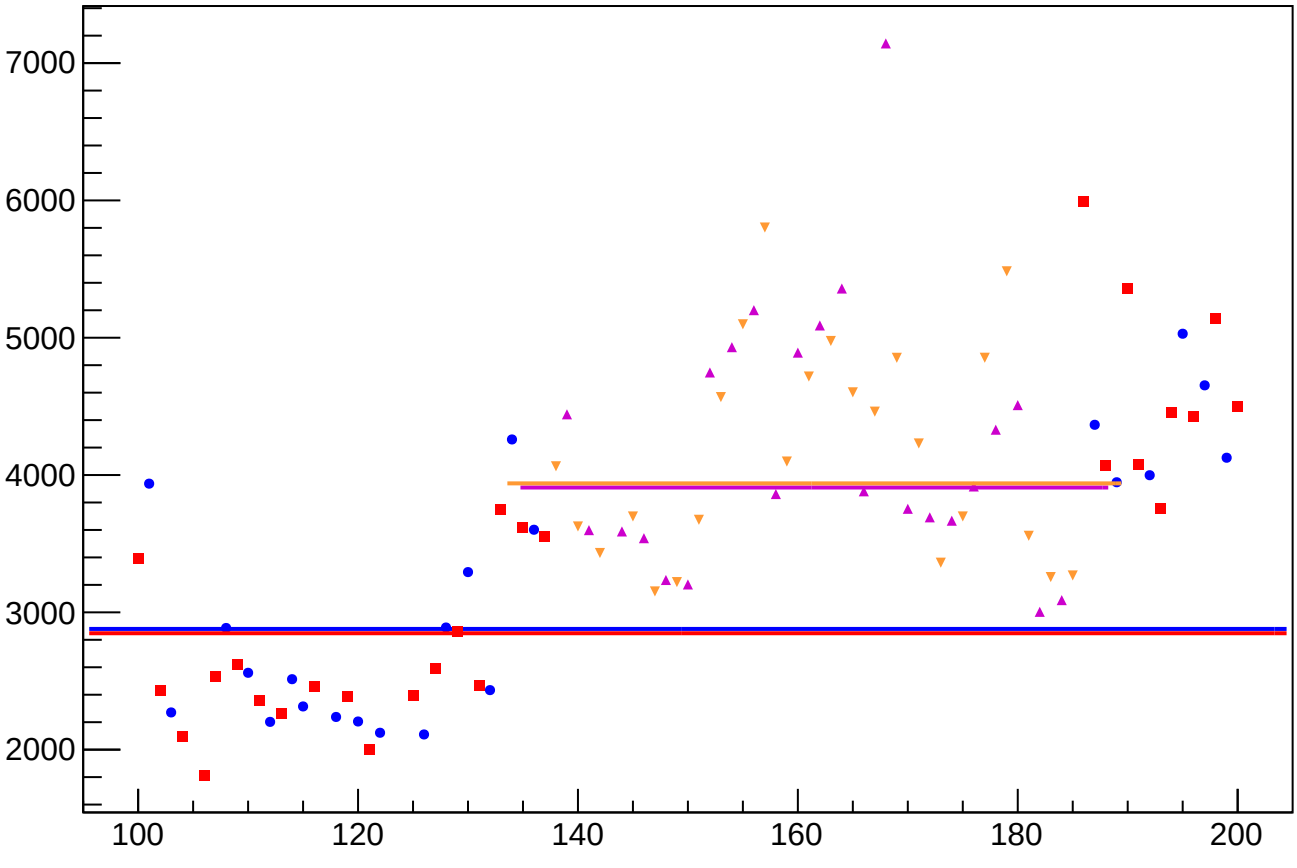
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 520.399+/-602.031 χ^2/NDF: 55.5/48

In: 80.311+/-642.790 χ^2/NDF:37.0/44

Out: 682.133+/-616.129 χ^2/NDF:62.3/50

All: 393.962+/-444.796 χ^2/NDF: 99.7/95



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

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

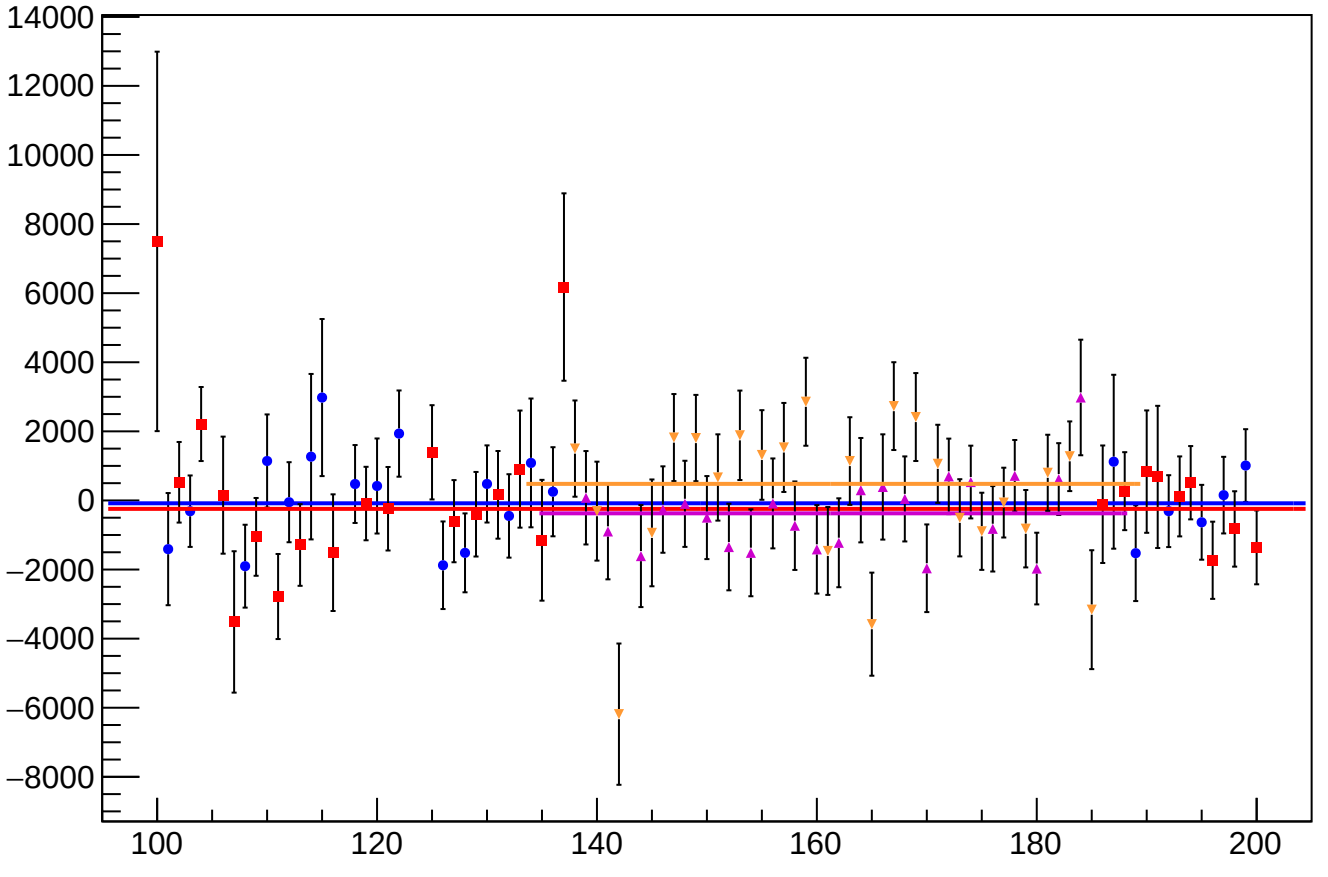
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2862.252+/-0.426 χ^2/NDF: 4388946.0/48

In: 3368.430+/-0.455 χ^2/NDF:4443981.1/44

Out: 3322.530+/-0.436 χ^2/NDF:5160064.8/50

All: 3344.508+/-0.315 χ^2/NDF: 9609361.0/95



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

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

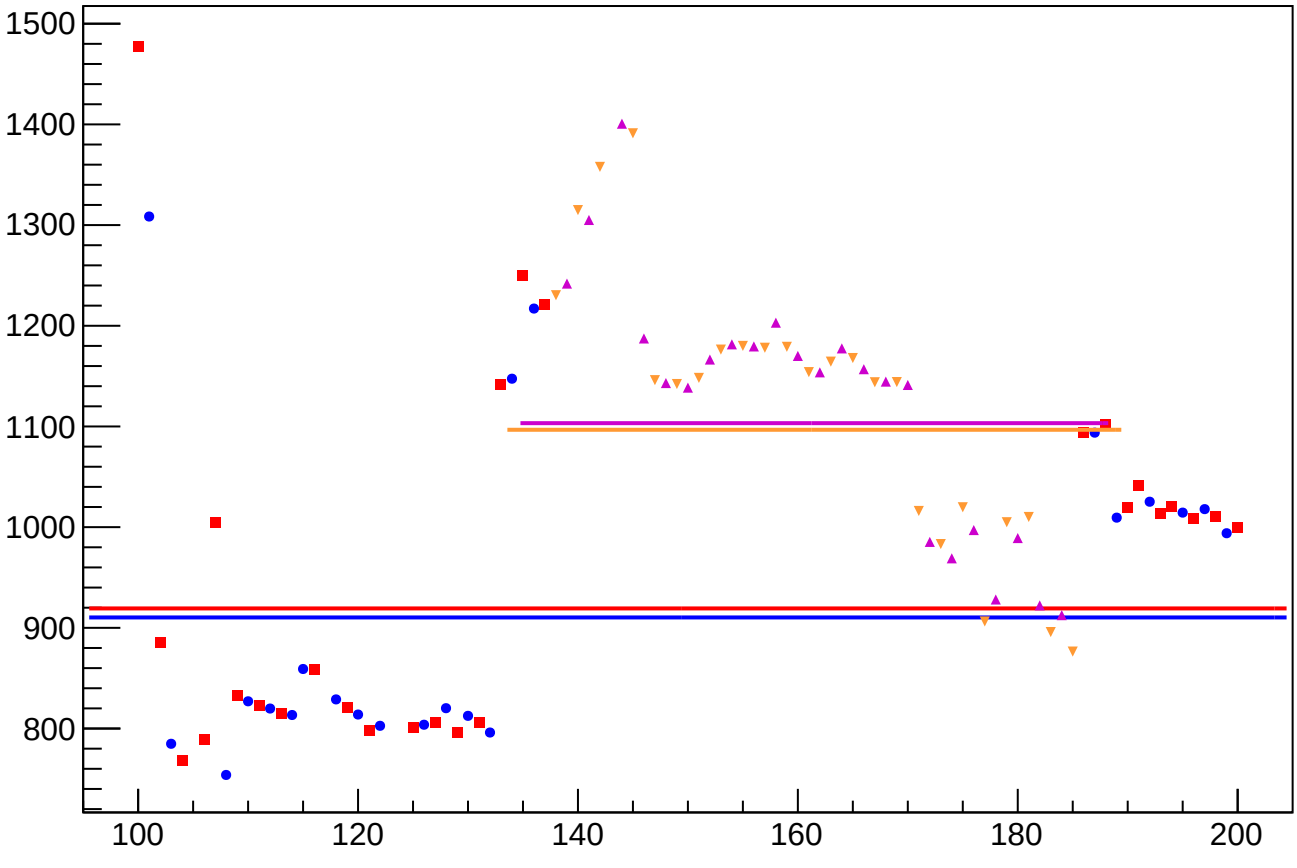
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -168.515+/-185.511 χ^2/NDF: 45.2/48

In: -234.404+/-187.523 χ^2/NDF:32.7/44

Out: 114.707+/-180.449 χ^2/NDF:78.1/50

All: -53.139+/-130.025 χ^2/NDF: 112.7/95



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

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

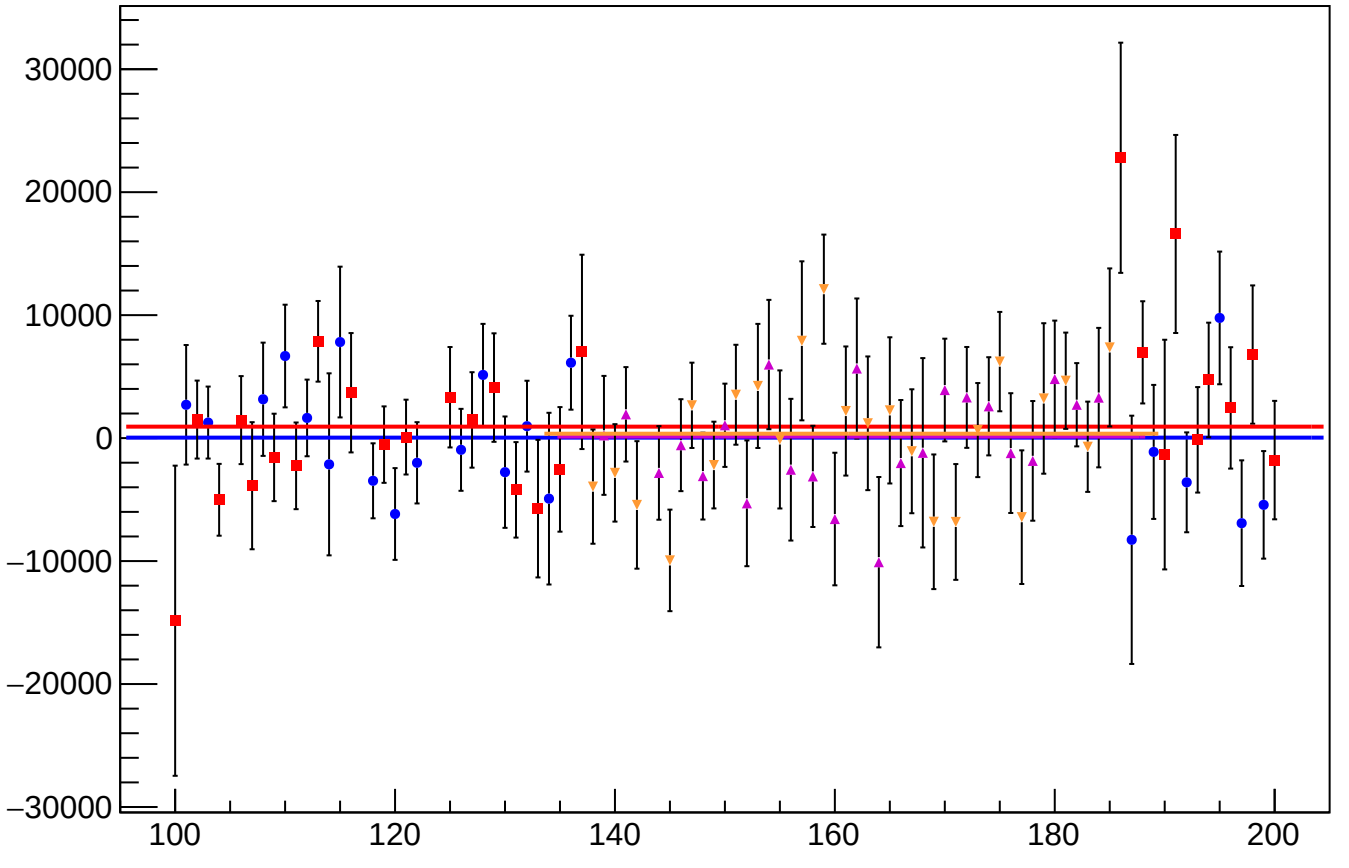
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 915.112+/-0.131 χ^2/NDF: 1061663.5/48

In: 1011.228+/-0.133 χ^2/NDF:1519448.0/44

Out: 1006.924+/-0.127 χ^2/NDF:1482310.5/50

All: 1008.990+/-0.092 χ^2/NDF: 3002306.4/95



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

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

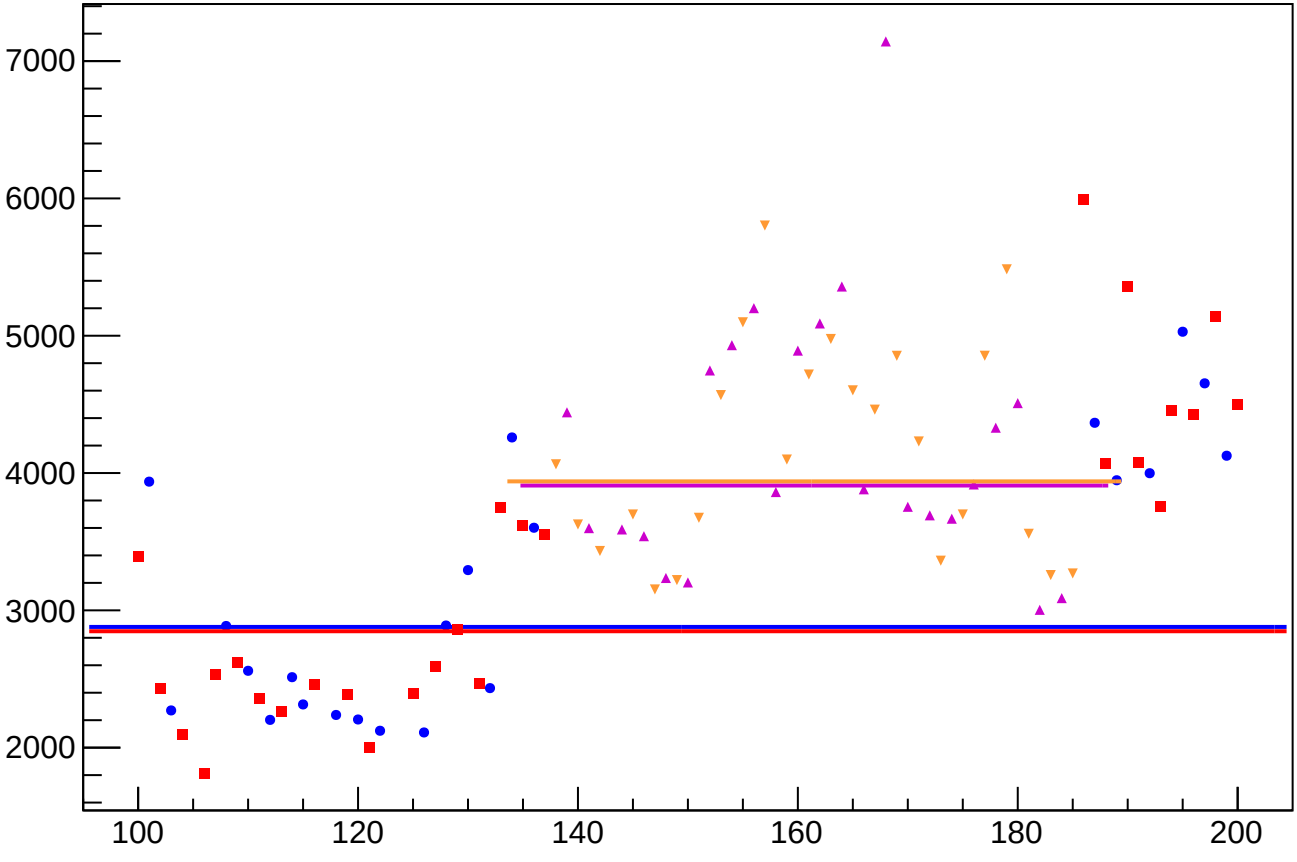
Right: 520.399+/-602.031 χ^2/NDF: 55.5/48

In: 80.311+/-642.790 χ^2/NDF:37.0/44

Out: 682.133+/-616.129 χ^2/NDF:62.3/50

All: 393.962+/-444.796 χ^2/NDF: 99.7/95

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

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

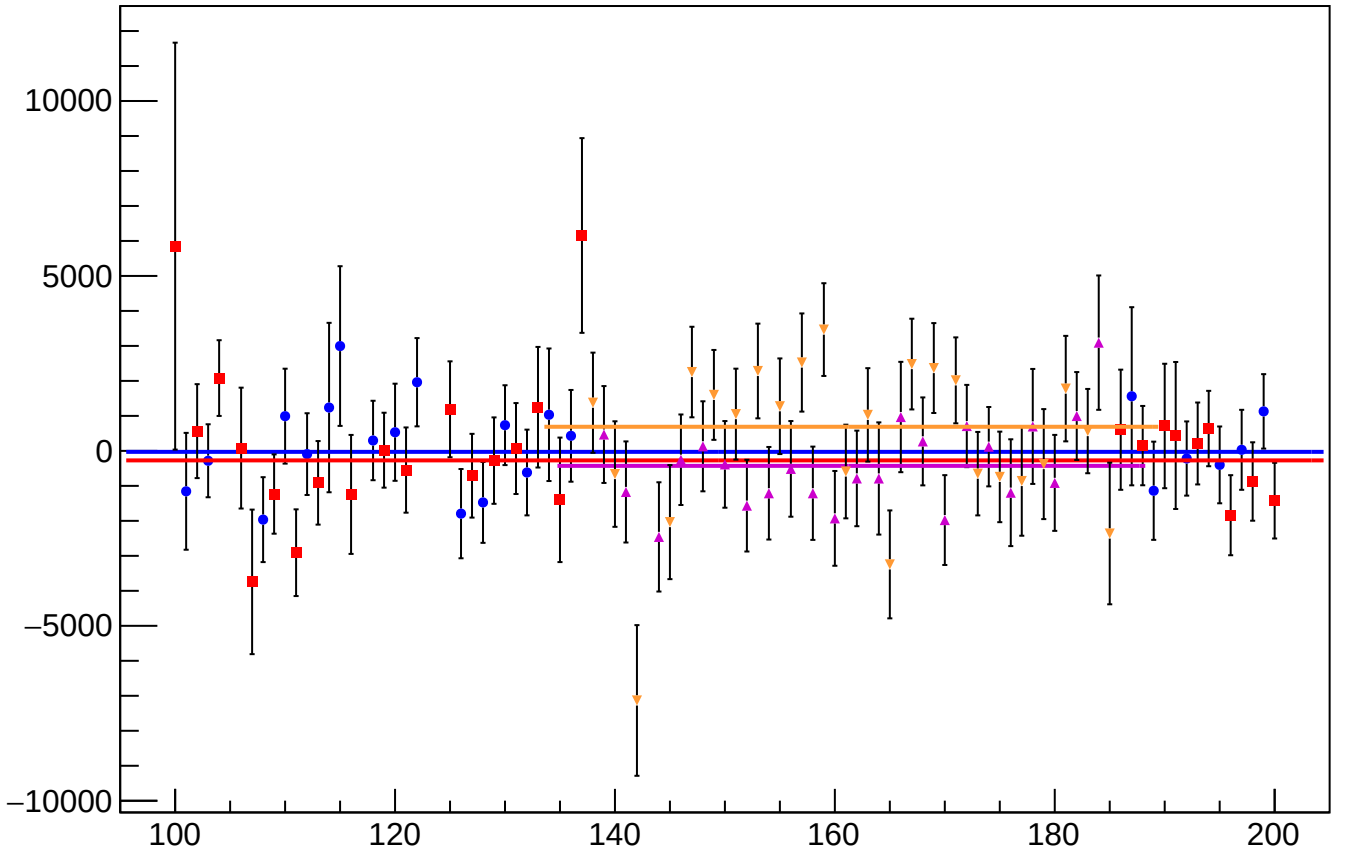
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2862.252+/-0.426 χ^2/NDF: 4388946.0/48

In: 3368.430+/-0.455 χ^2/NDF:4443981.1/44

Out: 3322.530+/-0.436 χ^2/NDF:5160064.8/50

All: 3344.508+/-0.315 χ^2/NDF: 9609361.0/95



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

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

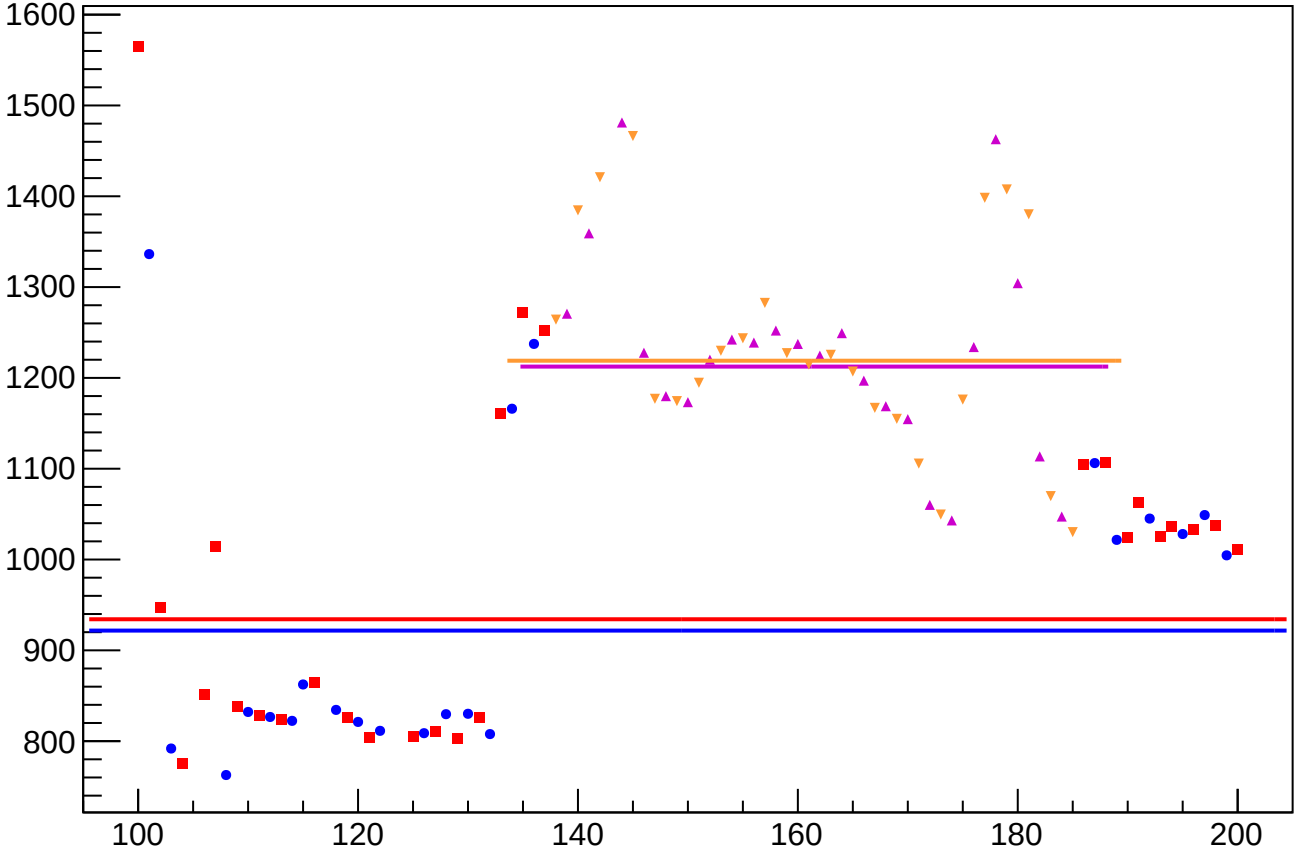
Right: -157.457+/-188.426 χ^2/NDF: 43.7/48

In: -221.396+/-197.747 χ^2/NDF:31.0/44

Out: 163.028+/-191.312 χ^2/NDF:79.9/50

All: -22.828+/-137.497 χ^2/NDF: 112.9/95

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

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

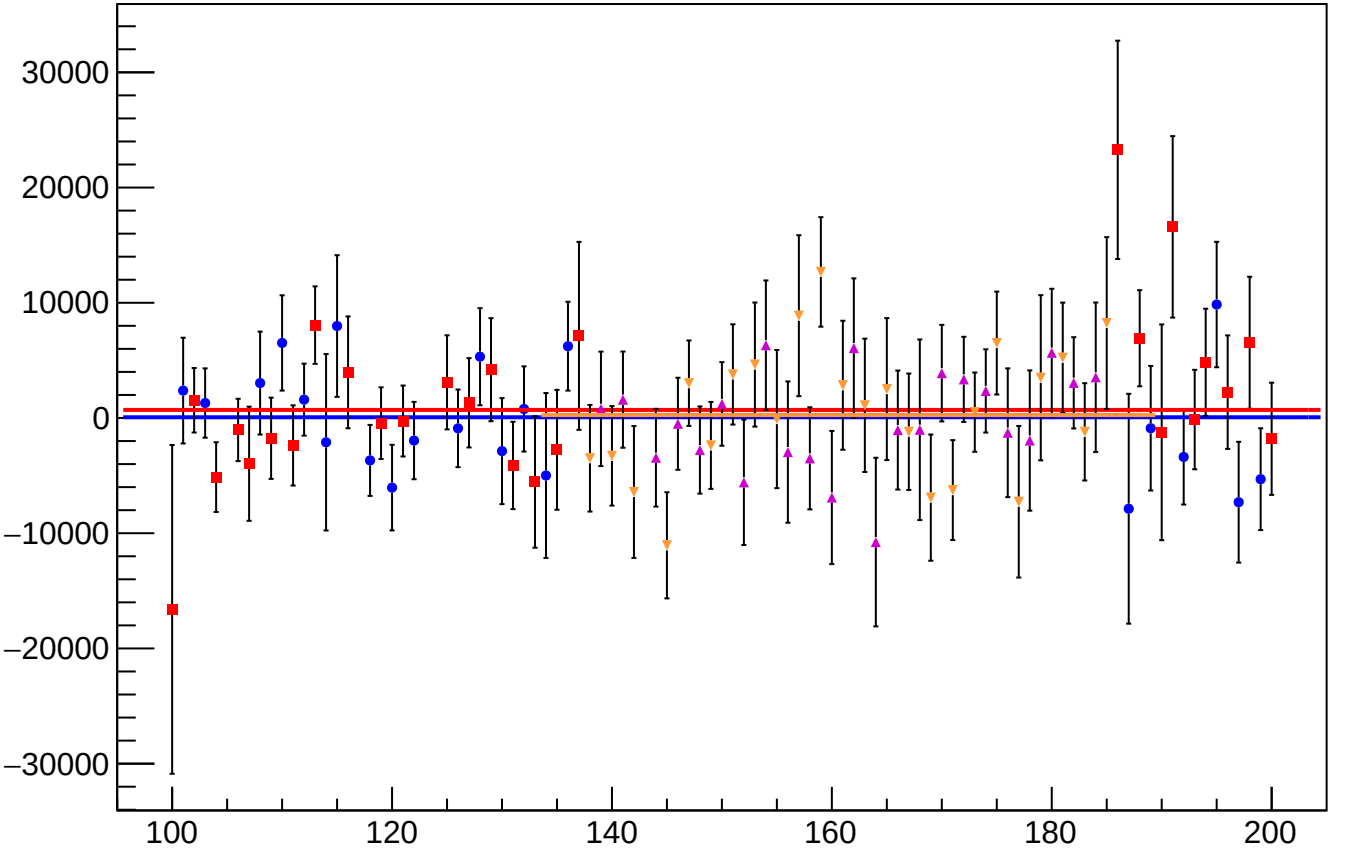
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 928.382+/-0.133 χ^2/NDF: 1092399.8/48

In: 1062.308+/-0.140 χ^2/NDF:1903794.7/44

Out: 1062.983+/-0.135 χ^2/NDF:1917853.3/50

All: 1062.657+/-0.097 χ^2/NDF: 3821660.0/95



Right In: 63.622+/-892.596 χ^2/NDF: 23.0/21

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

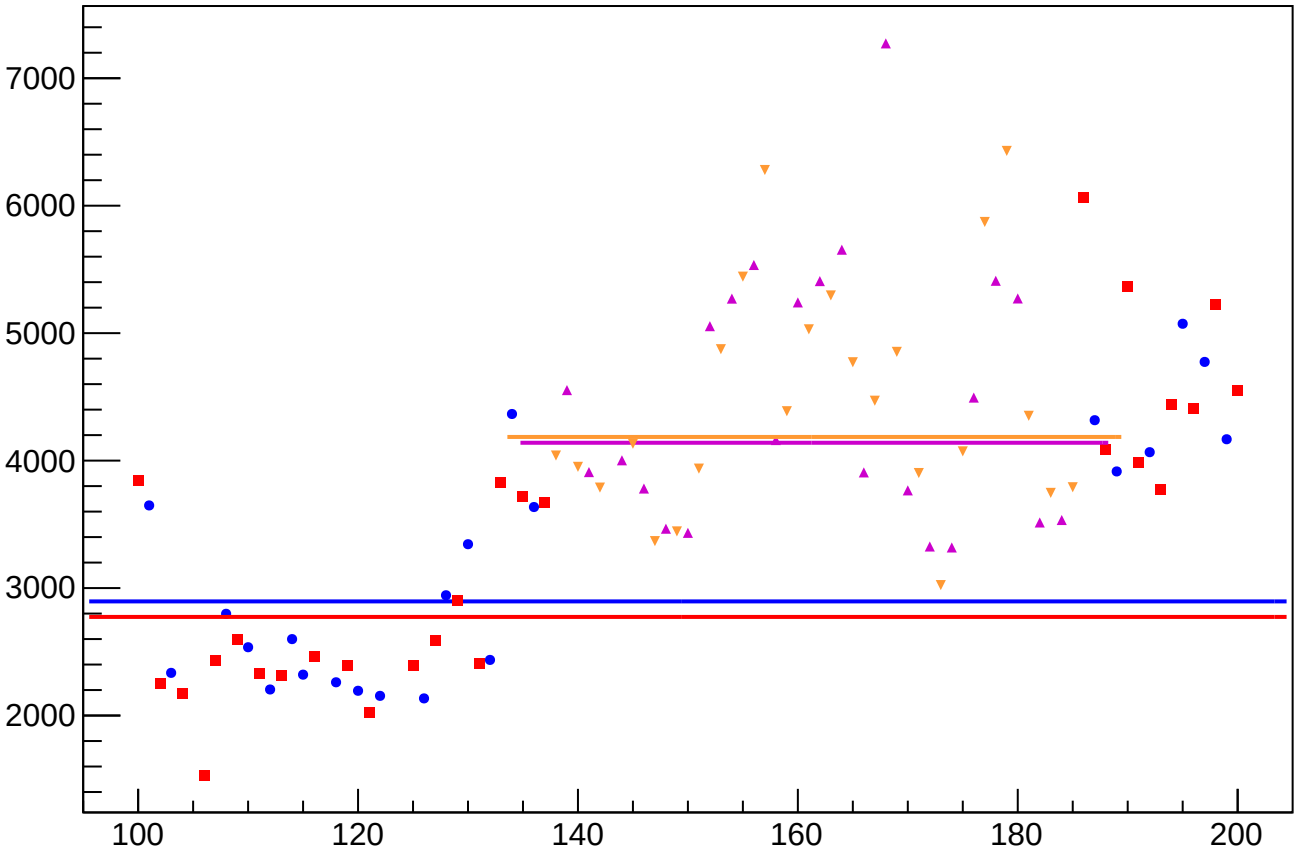
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 417.267+/-595.913 χ^2/NDF: 55.7/48

In: 154.465+/-662.954 χ^2/NDF:36.5/44

Out: 525.334+/-623.704 χ^2/NDF:62.2/50

All: 351.202+/-454.268 χ^2/NDF: 98.9/95



Right In: 2895.452+/-0.631 χ^2/NDF: 1837226.6/21

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

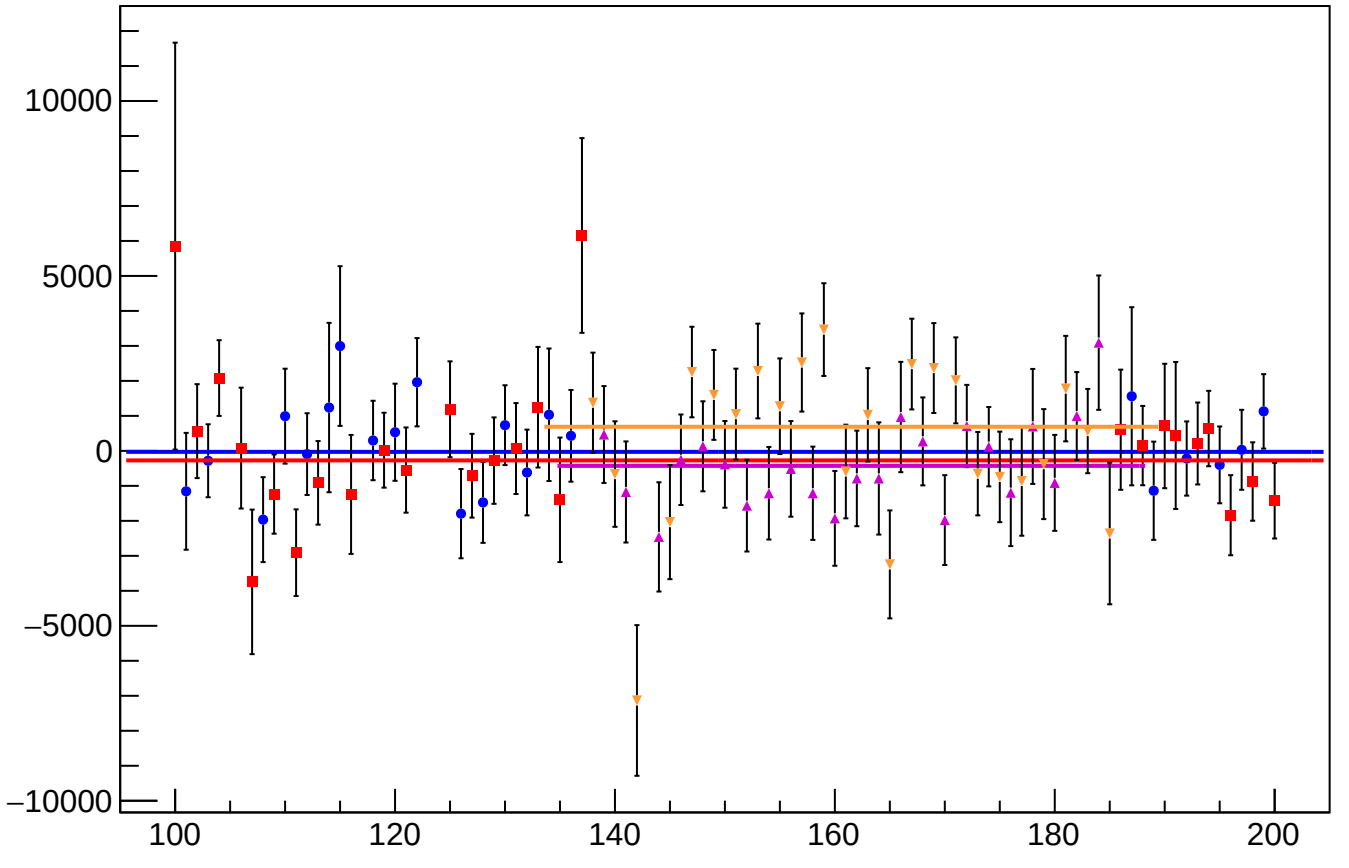
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2827.953+/-0.421 χ^2/NDF: 4743047.2/48

In: 3453.477+/-0.469 χ^2/NDF:5030578.4/44

Out: 3328.314+/-0.441 χ^2/NDF:6601192.6/50

All: 3387.081+/-0.321 χ^2/NDF: 11669587.6/9



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

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

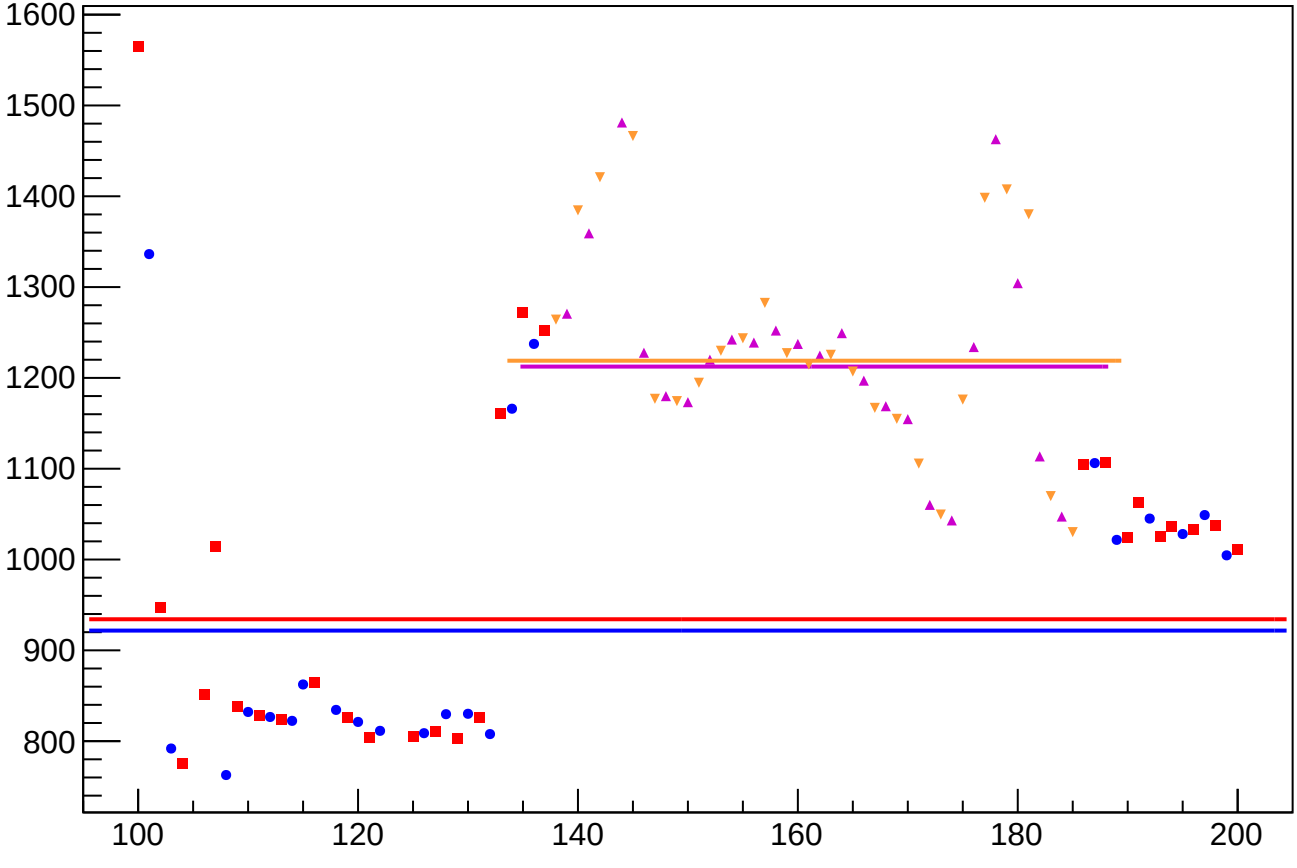
Right: -157.458+/-188.426 χ^2/NDF: 43.7/48

In: -221.394+/-197.747 χ^2/NDF:31.0/44

Out: 163.027+/-191.313 χ^2/NDF:79.9/50

All: -22.827+/-137.497 χ^2/NDF: 112.9/95

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

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

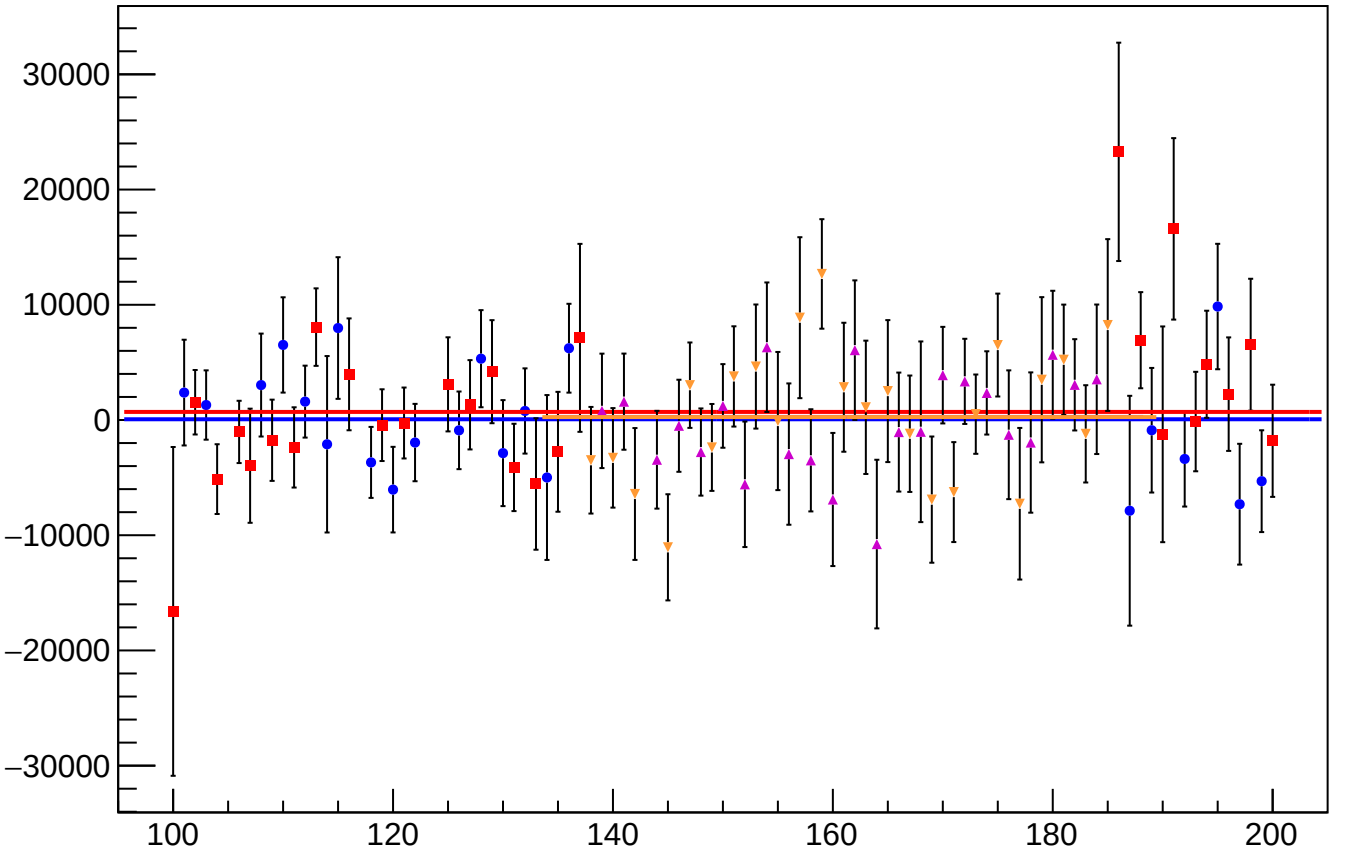
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 928.382+/-0.133 χ^2/NDF: 1092400.2/48

In: 1062.308+/-0.140 χ^2/NDF:1903810.8/44

Out: 1062.983+/-0.135 χ^2/NDF:1917870.6/50

All: 1062.657+/-0.097 χ^2/NDF: 3821693.4/95



Right In: 63.620+/-892.594 χ^2/NDF: 23.0/21

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

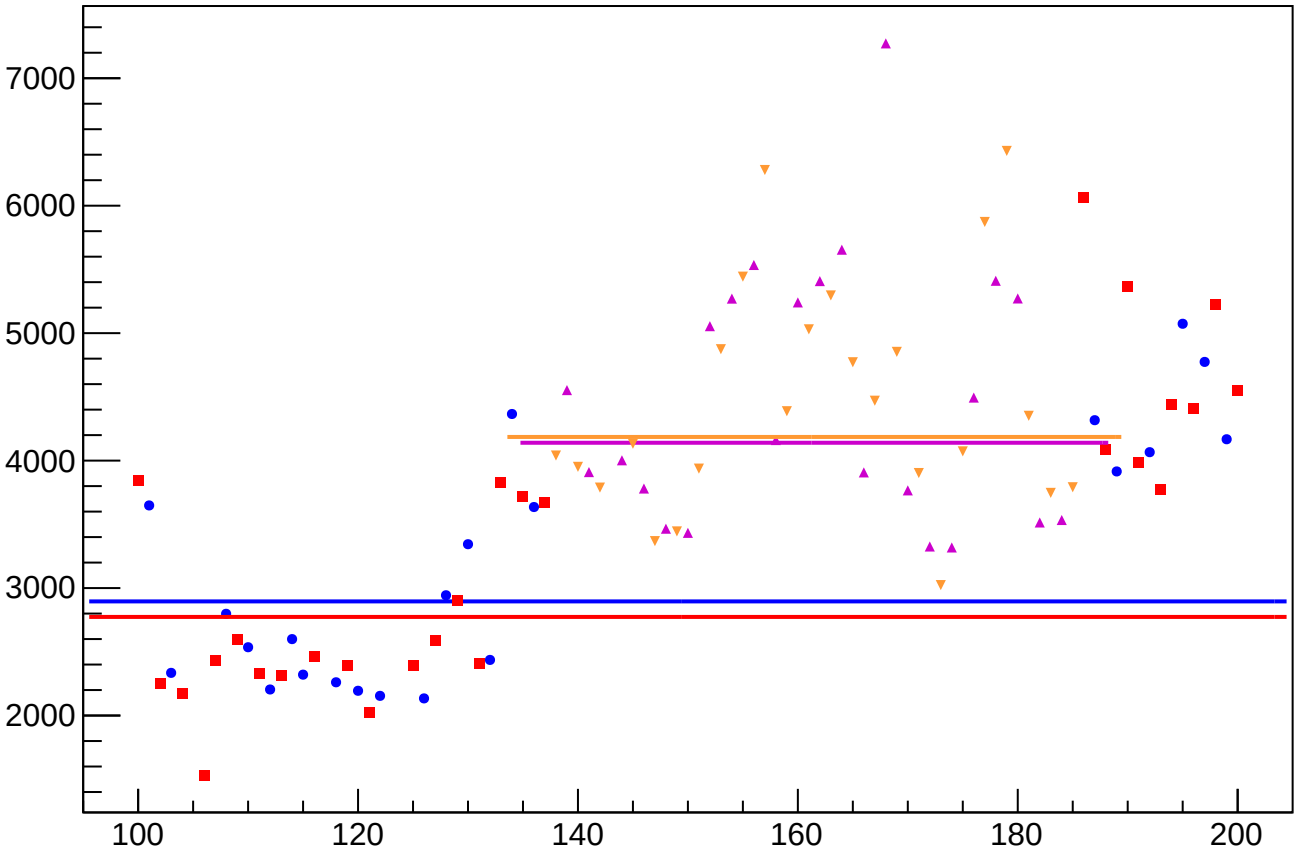
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 417.263+/-595.912 χ^2/NDF: 55.7/48

In: 154.464+/-662.954 χ^2/NDF:36.5/44

Out: 525.333+/-623.704 χ^2/NDF:62.2/50

All: 351.201+/-454.268 χ^2/NDF: 98.9/95



Right In: 2895.444+/-0.631 χ^2/NDF: 1837252.1/21

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

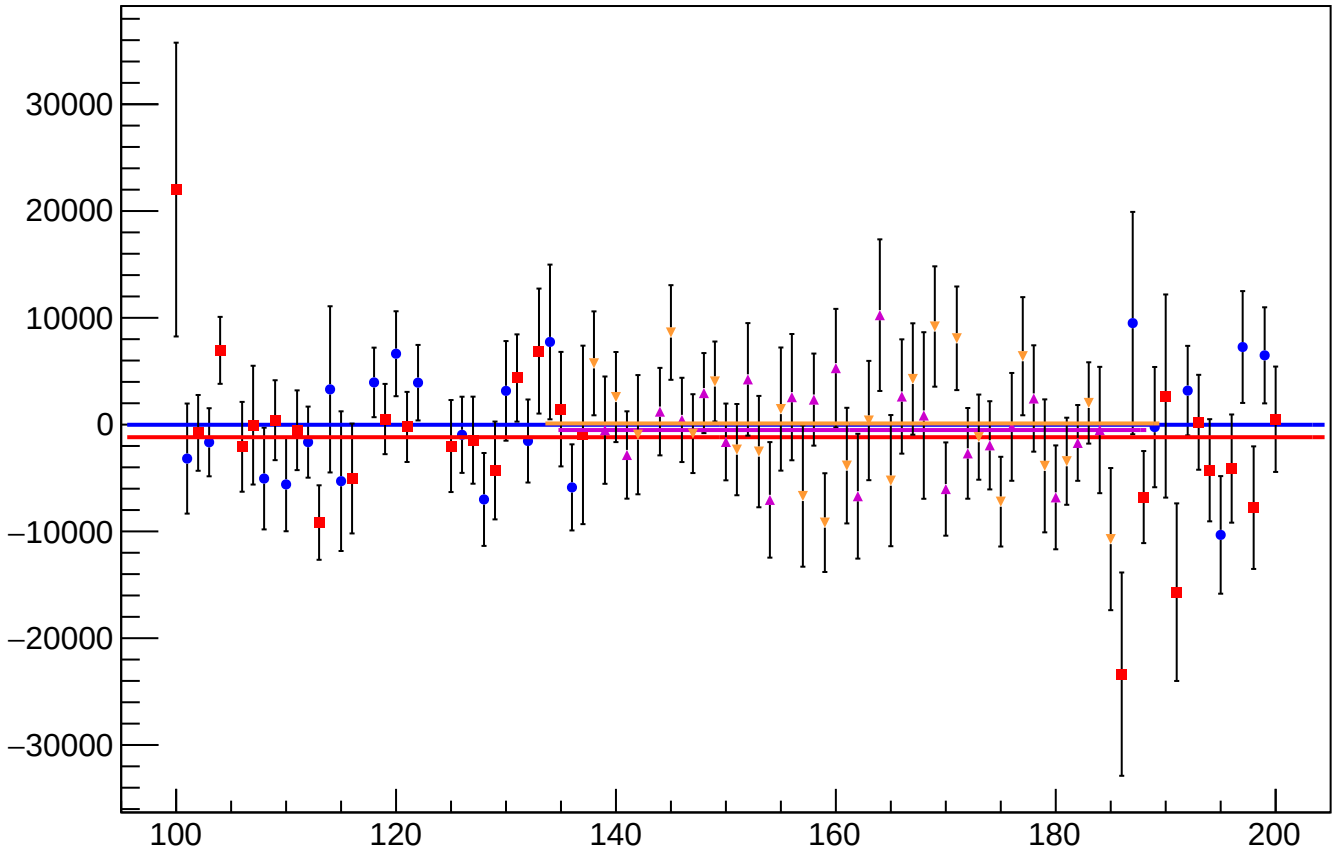
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2827.946+/-0.421 χ^2/NDF: 4743097.4/48

In: 3453.473+/-0.469 χ^2/NDF:5030648.3/44

Out: 3328.311+/-0.441 χ^2/NDF:6601266.1/50

All: 3387.077+/-0.321 χ^2/NDF: 11669730.9/9



Right In: -14.943+/-936.382 χ^2/NDF: 25.5/21

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

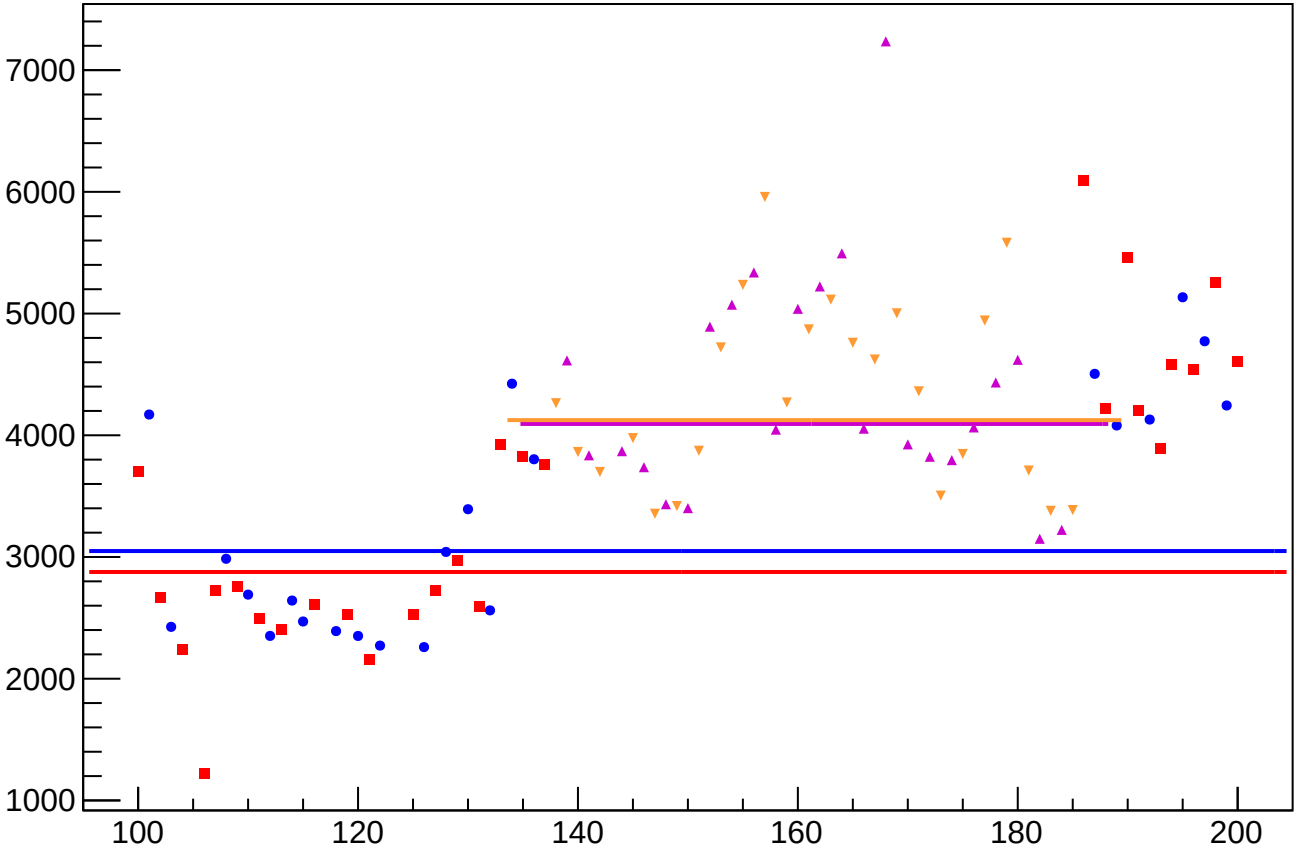
Right: -639.160+/-637.675 χ^2/NDF: 59.4/48

In: -252.214+/-675.087 χ^2/NDF:39.1/44

Out: -607.886+/-649.653 χ^2/NDF:62.2/50

All: -436.876+/-468.107 χ^2/NDF: 101.4/95

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3048.890+/-0.662 χ^2/NDF: 1699318.7/21

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

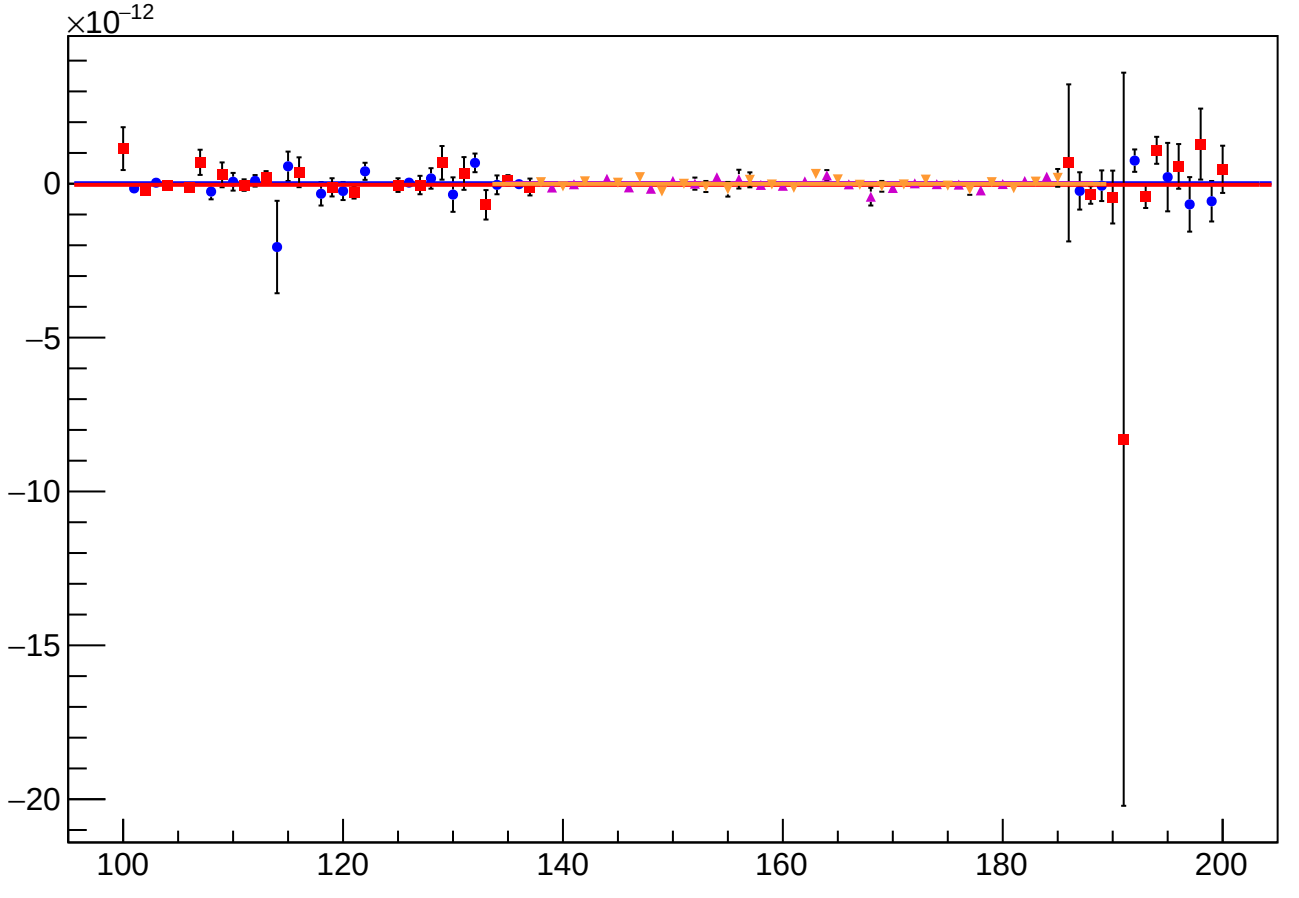
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2953.505+/-0.442 χ^2/NDF: 4838440.9/48

In: 3550.332+/-0.477 χ^2/NDF:4056487.2/44

Out: 3407.584+/-0.450 χ^2/NDF:5951083.5/50

All: 3474.740+/-0.327 χ^2/NDF: 10054924.6/9



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/21

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

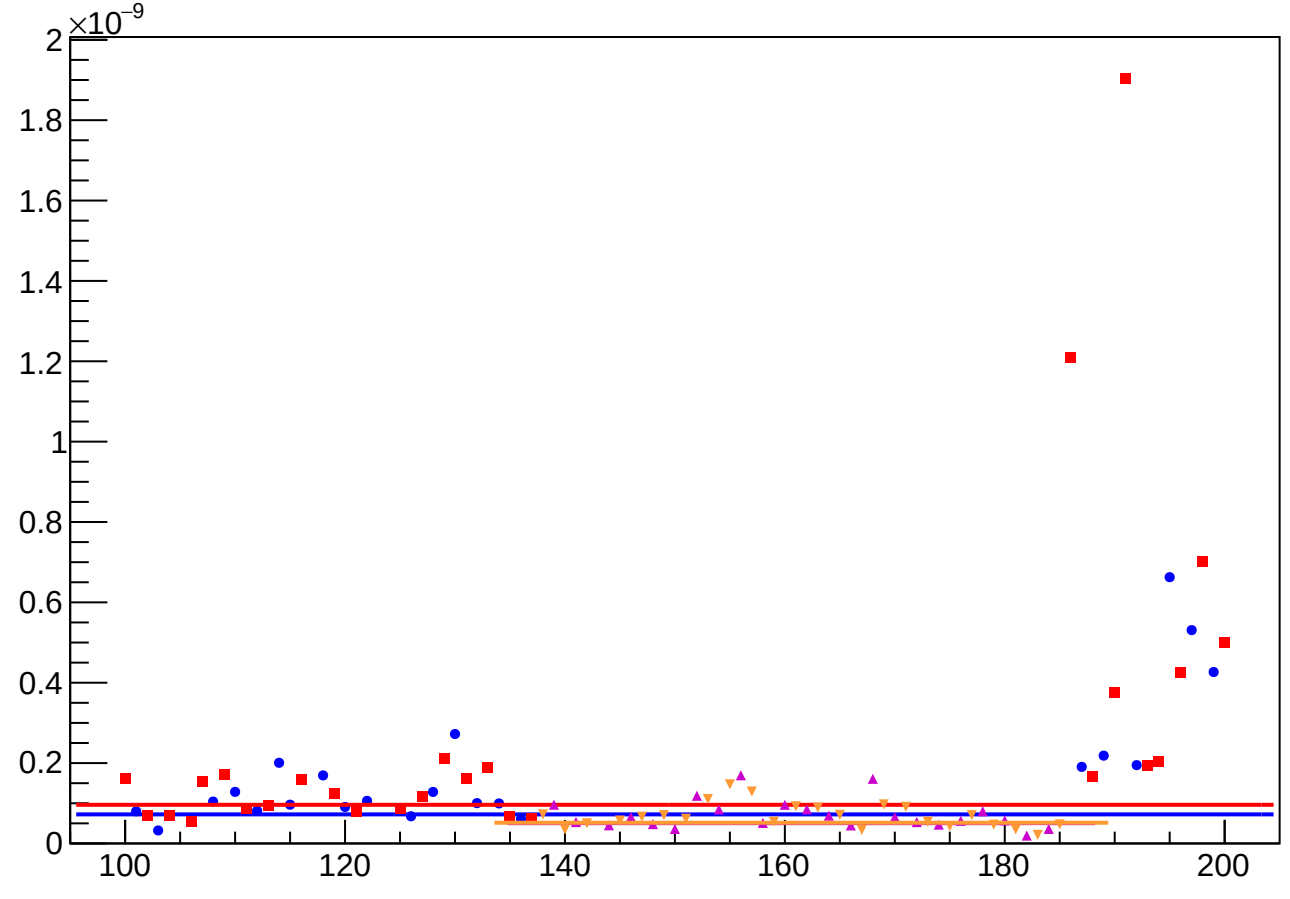
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 50.7/48

In: 0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:53.5/50

All: 0.000+/-0.000 χ^2/NDF: 101.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 3431302.3/21

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

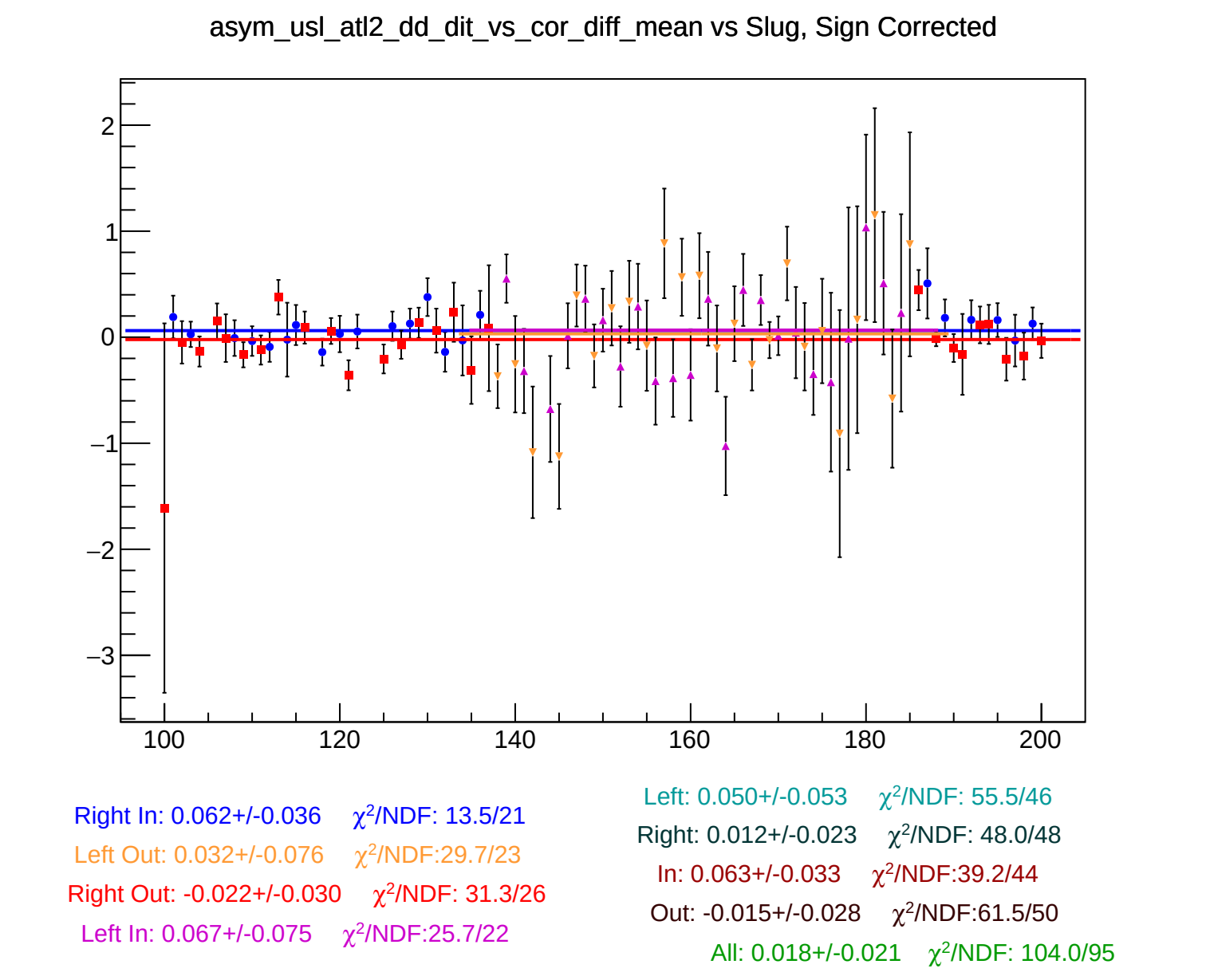
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

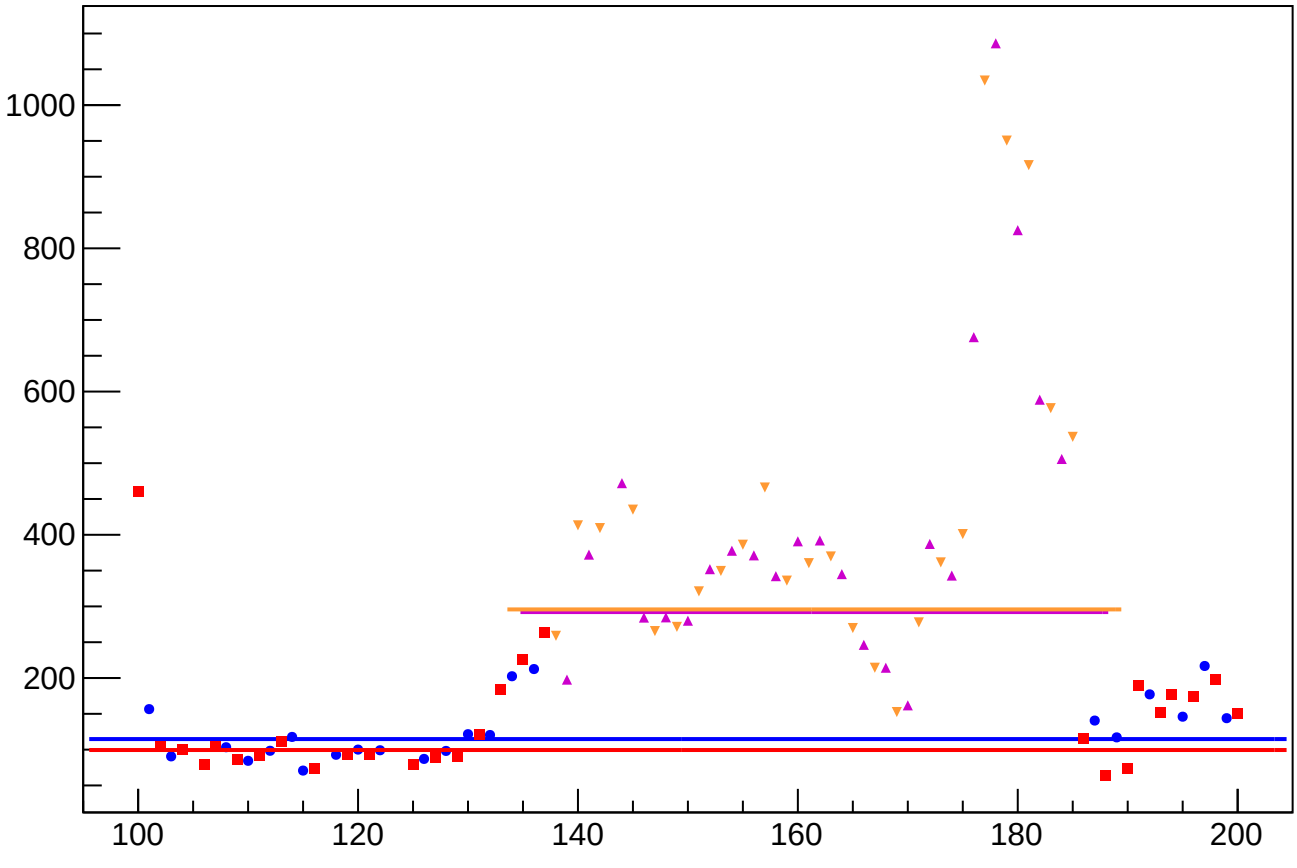
Right: 0.000+/-0.000 χ^2/NDF: 7016312.4/48

In: 0.000+/-0.000 χ^2/NDF:6268427.0/44

Out: 0.000+/-0.000 χ^2/NDF:6878757.6/50

All: 0.000+/-0.000 χ^2/NDF: 13180805.9/95


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.062+/-0.036 χ²/NDF: 13.5/21
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: 0.012+/-0.023 χ²/NDF: 48.0/48
In: 0.063+/-0.033 χ²/NDF:39.2/44
Out: -0.015+/-0.028 χ²/NDF:61.5/50
All: 0.018+/-0.021 χ²/NDF: 104.0/95



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

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

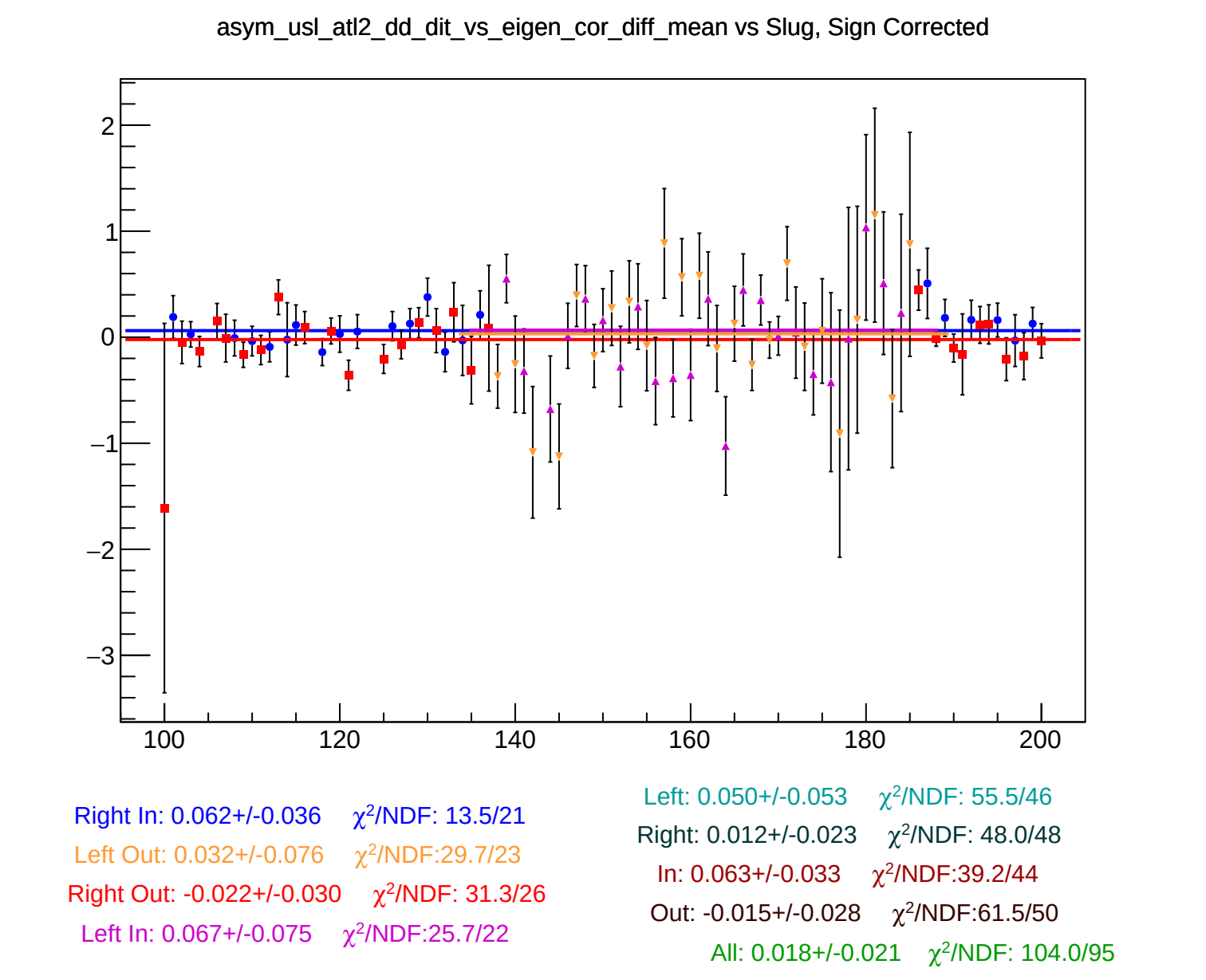
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

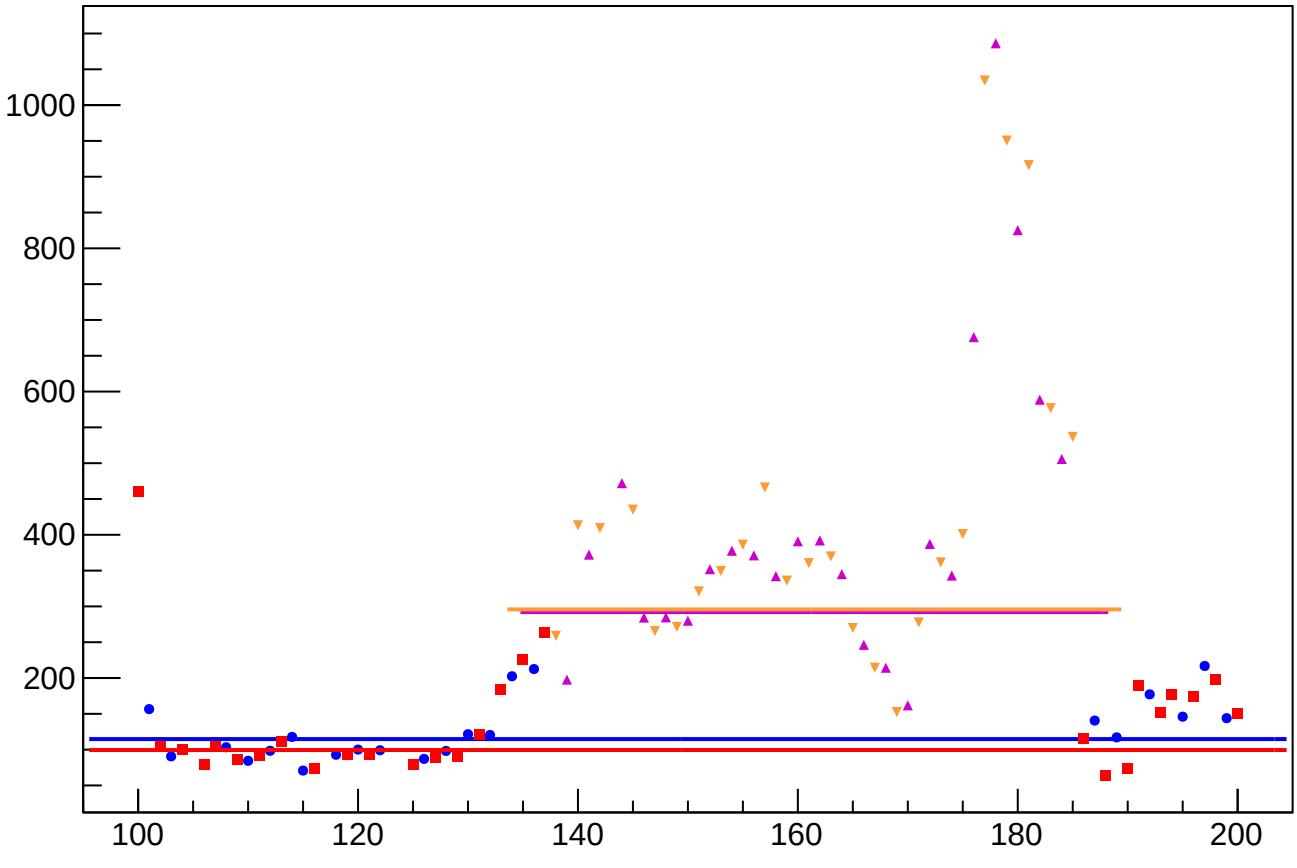
Right: 105.711+/-0.016 χ^2/NDF: 5177363.4/48

In: 148.428+/-0.023 χ^2/NDF:16047717.7/44

Out: 126.036+/-0.020 χ^2/NDF:20141802.9/50

All: 135.542+/-0.015 χ^2/NDF: 36733895.9/95


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.062+/-0.036 χ²/NDF: 13.5/21
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: 0.012+/-0.023 χ²/NDF: 48.0/48
In: 0.063+/-0.033 χ²/NDF:39.2/44
Out: -0.015+/-0.028 χ²/NDF:61.5/50
All: 0.018+/-0.021 χ²/NDF: 104.0/95



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

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

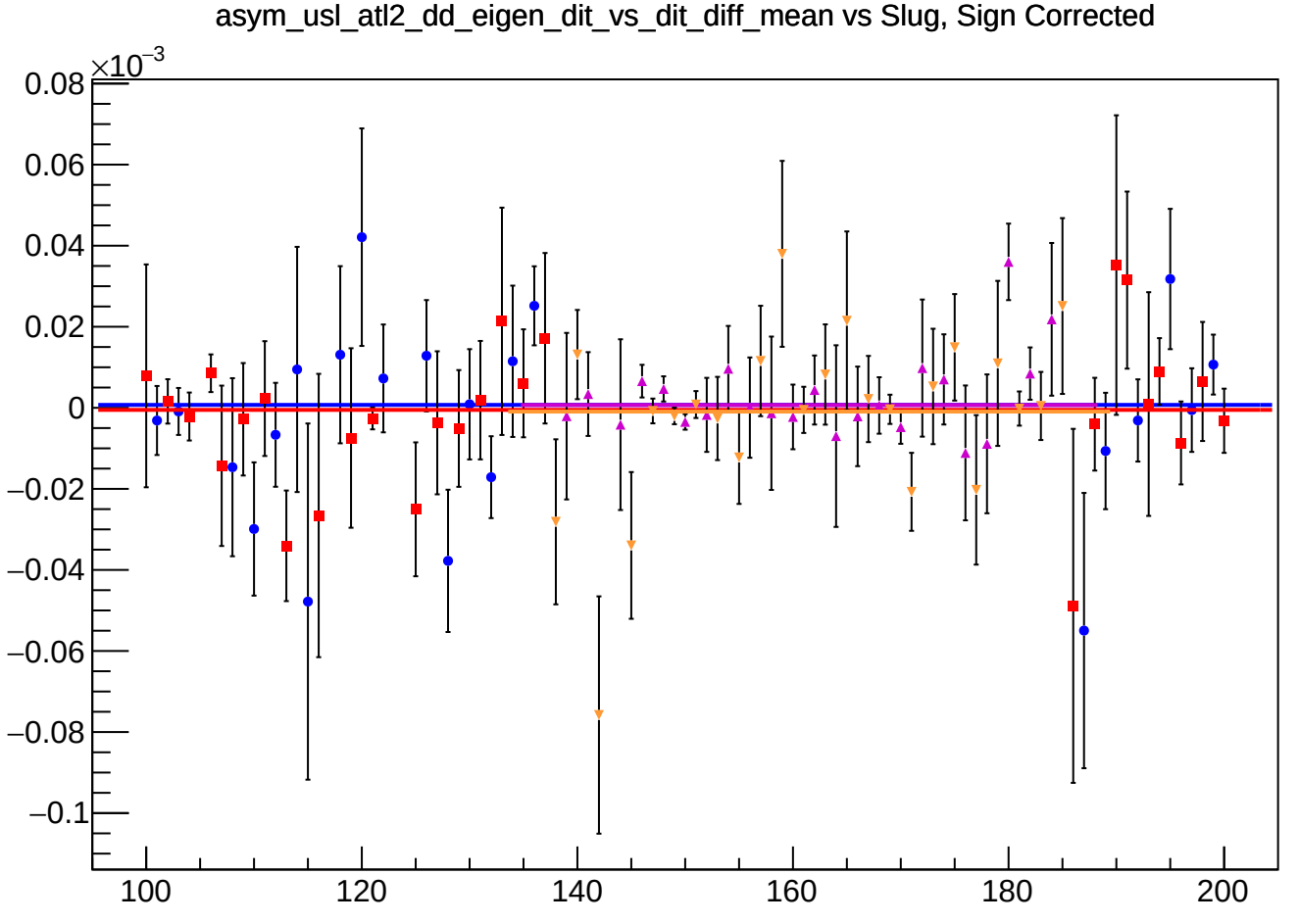
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 105.711+/-0.016 χ^2/NDF: 5177363.4/48

In: 148.428+/-0.023 χ^2/NDF:16047717.7/44

Out: 126.036+/-0.020 χ^2/NDF:20141802.9/50

All: 135.542+/-0.015 χ^2/NDF: 36733895.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/21

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

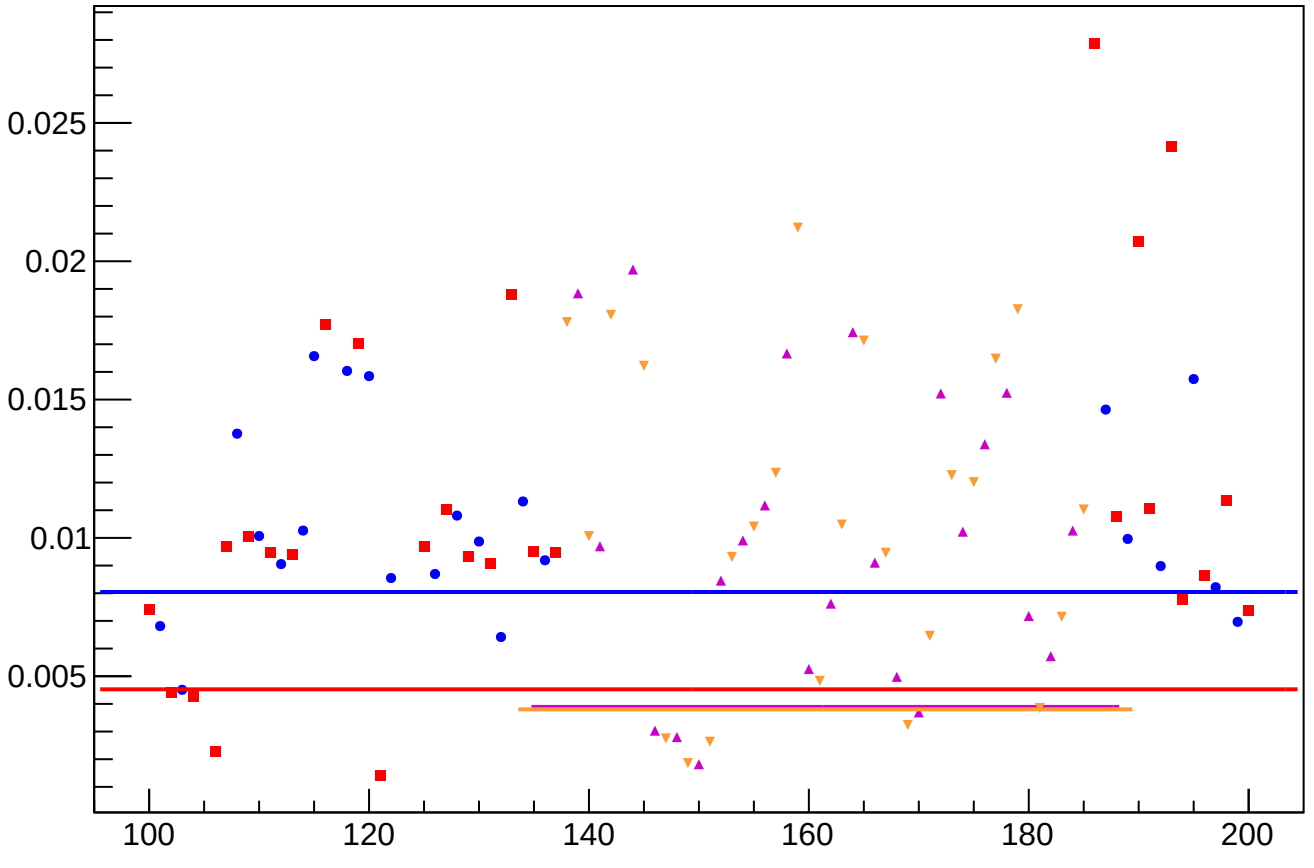
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.4/48

In: 0.000+/-0.000 χ^2/NDF:62.4/44

Out: -0.000+/-0.000 χ^2/NDF:51.7/50

All: -0.000+/-0.000 χ^2/NDF: 115.2/95



Right In: 0.008+/-0.000 χ^2/NDF: 2287582.7/21

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

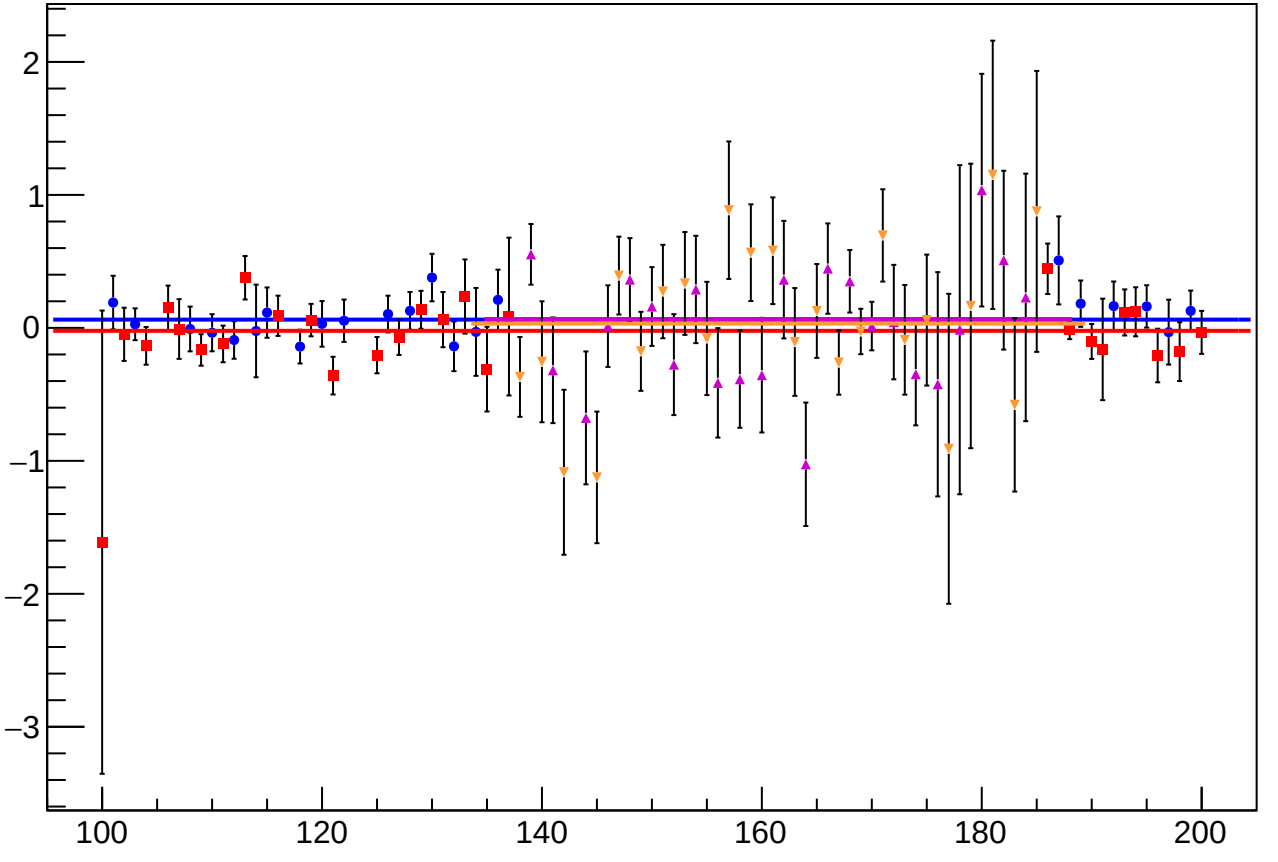
Right: 0.006+/-0.000 χ^2/NDF: 15830129.4/48

In: 0.005+/-0.000 χ^2/NDF:20018238.8/44

Out: 0.004+/-0.000 χ^2/NDF:25813289.1/50

All: 0.004+/-0.000 χ^2/NDF: 46182323.4/95

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

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

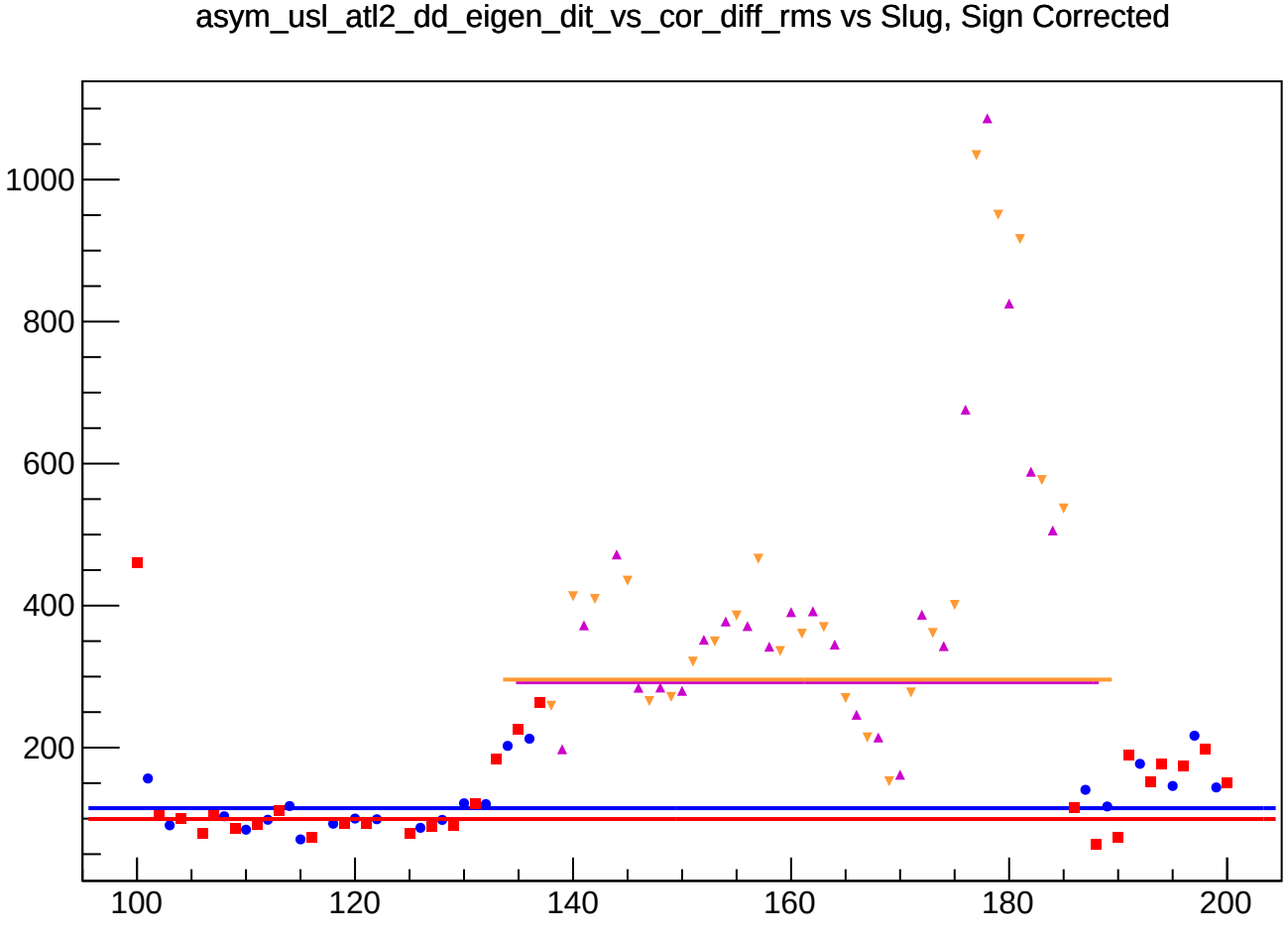
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.012+/-0.023 χ^2/NDF: 48.0/48

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.015+/-0.028 χ^2/NDF:61.5/50

All: 0.018+/-0.021 χ^2/NDF: 104.0/95



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

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

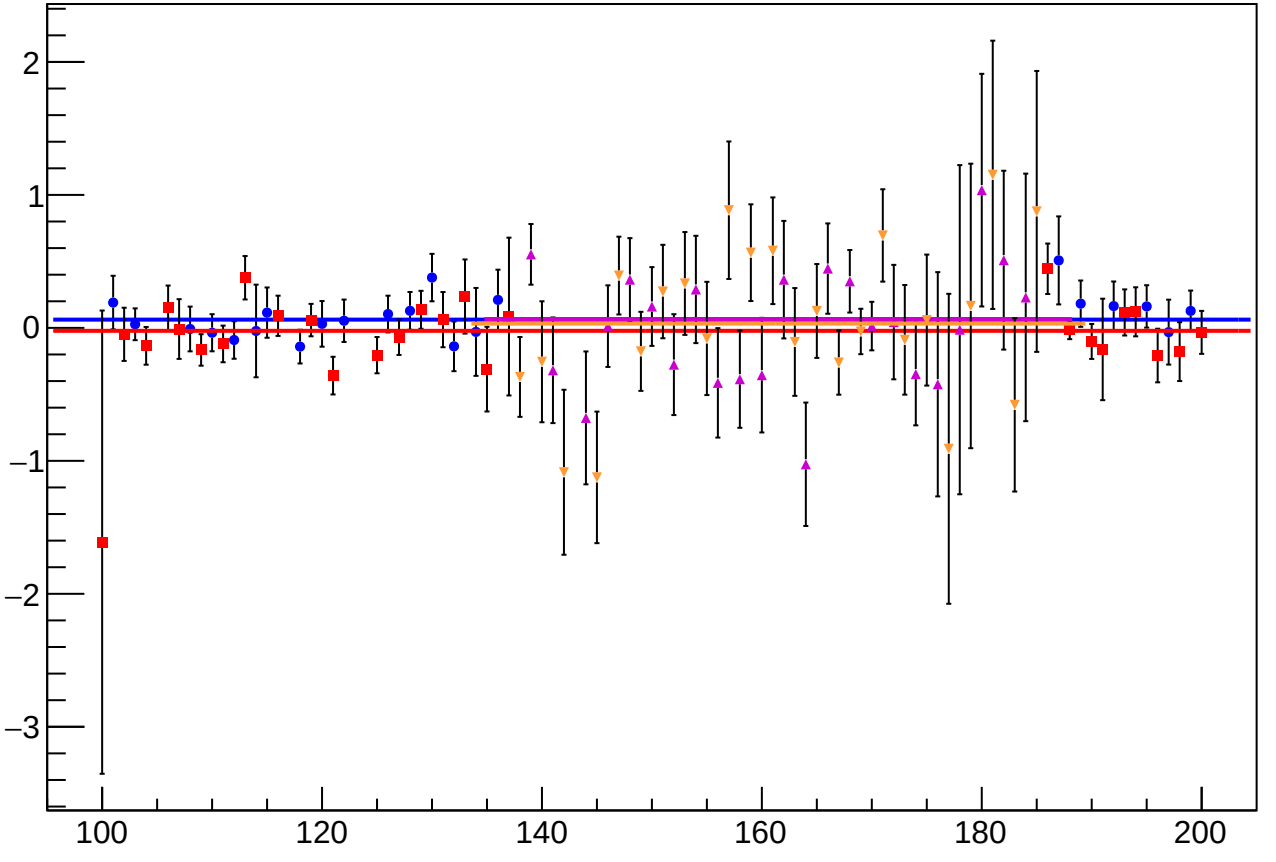
Right: 105.710+/-0.016 χ^2/NDF: 5177479.6/48

In: 148.428+/-0.023 χ^2/NDF:16047749.4/44

Out: 126.034+/-0.020 χ^2/NDF:20142270.0/50

All: 135.541+/-0.015 χ^2/NDF: 36734512.9/95

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

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

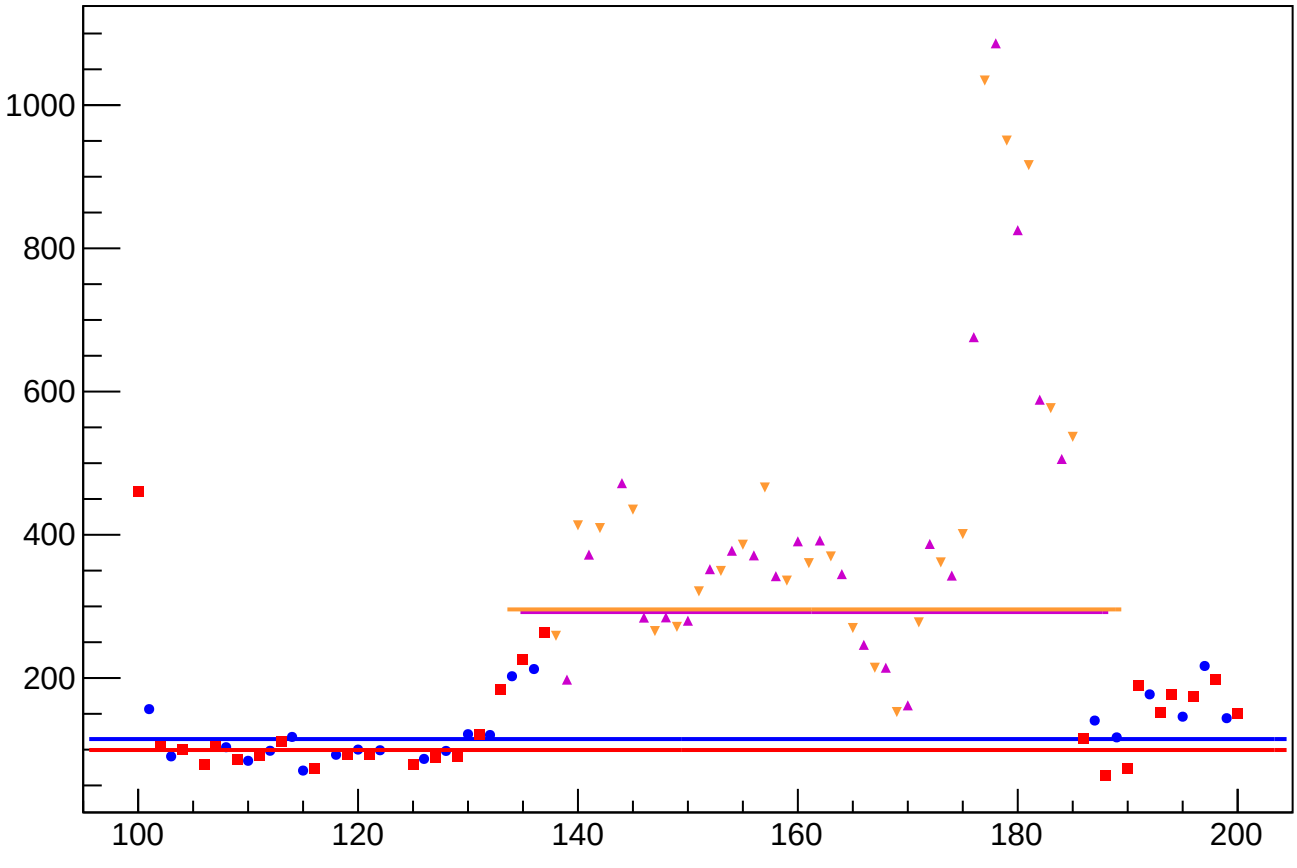
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.012+/-0.023 χ^2/NDF: 48.0/48

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.015+/-0.028 χ^2/NDF:61.5/50

All: 0.018+/-0.021 χ^2/NDF: 104.0/95



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

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

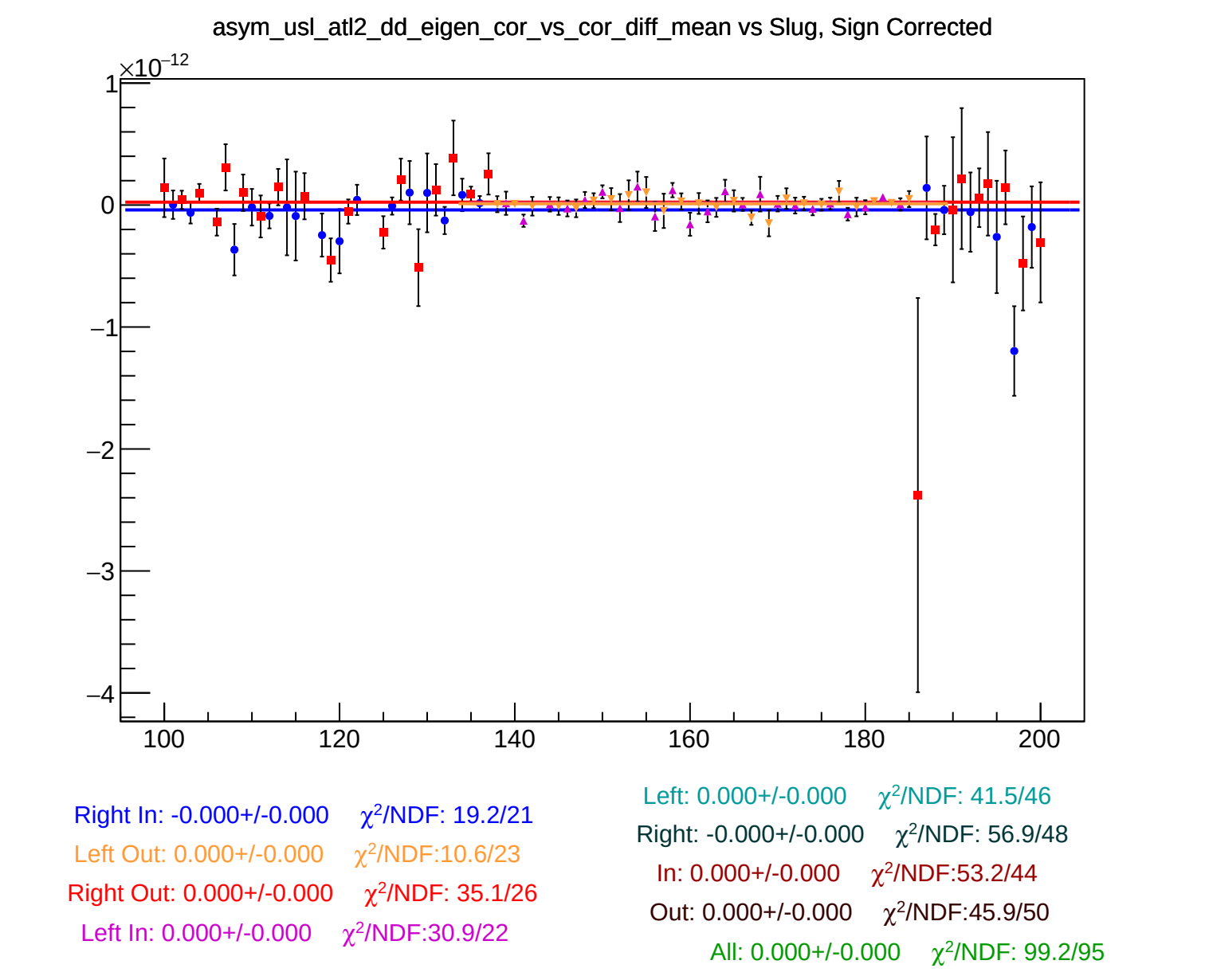
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

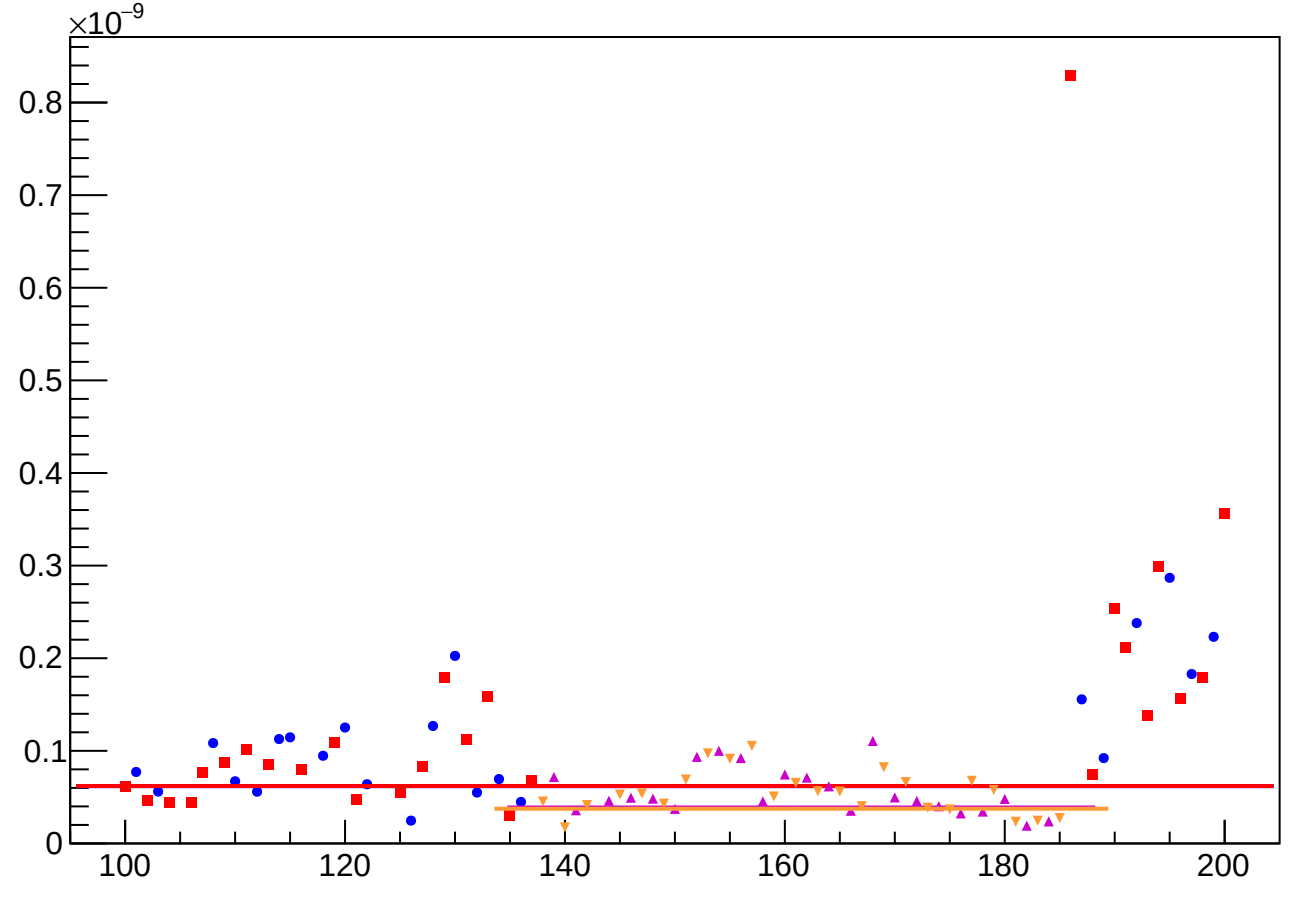
Right: 105.710+/-0.016 χ^2/NDF: 5177479.6/48

In: 148.428+/-0.023 χ^2/NDF:16047749.4/44

Out: 126.034+/-0.020 χ^2/NDF:20142270.0/50

All: 135.541+/-0.015 χ^2/NDF: 36734512.9/95


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: 19.2/21
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: 56.9/48
In: 0.000+/-0.000 χ²/NDF:53.2/44
Out: 0.000+/-0.000 χ²/NDF:45.9/50
All: 0.000+/-0.000 χ²/NDF: 99.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 3546509.0/21

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

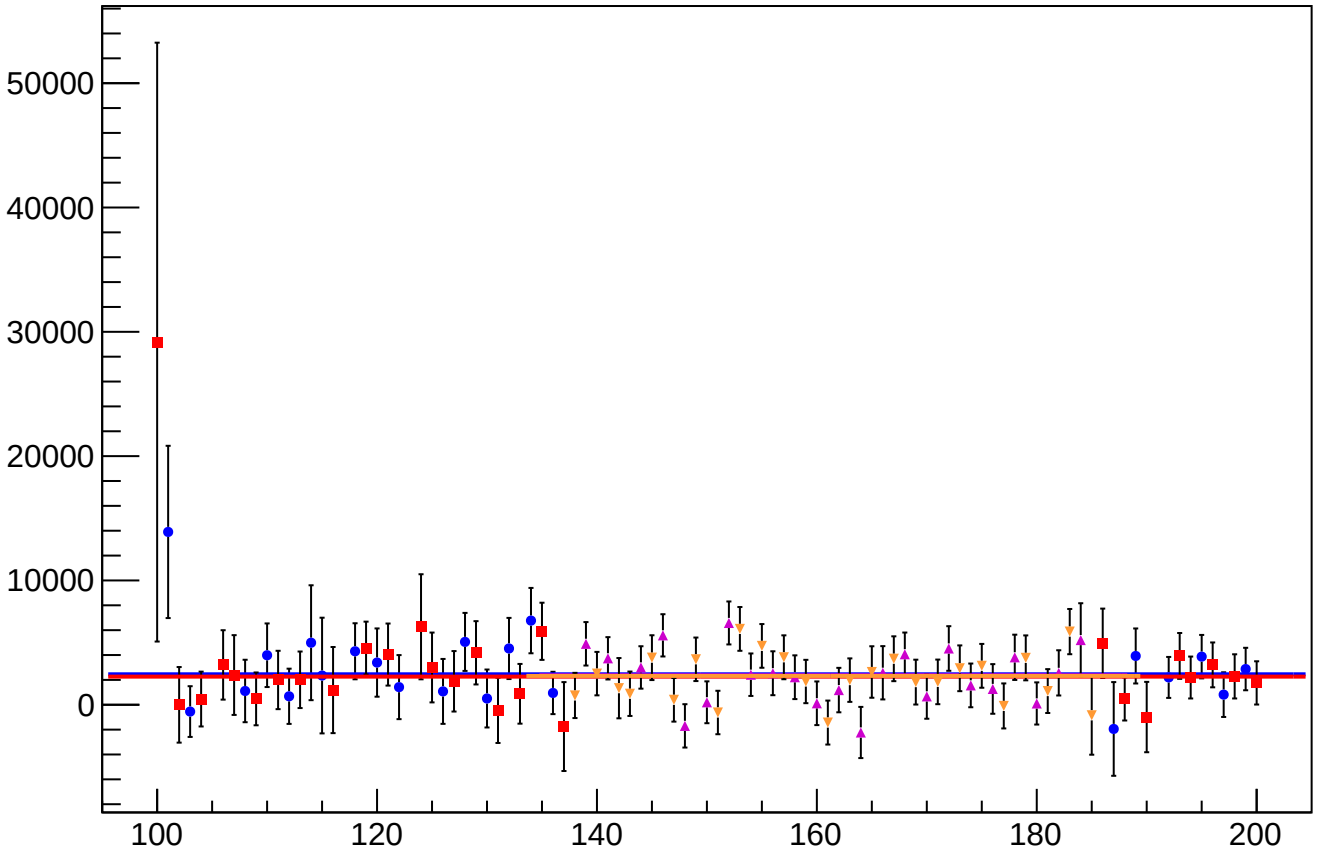
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8141019.4/48

In: 0.000+/-0.000 χ^2/NDF:9213240.7/44

Out: 0.000+/-0.000 χ^2/NDF:10909257.8/50

All: 0.000+/-0.000 χ^2/NDF: 20129412.3/95



Right In: 2450.746+/-491.413 χ^2/NDF: 17.2/21

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

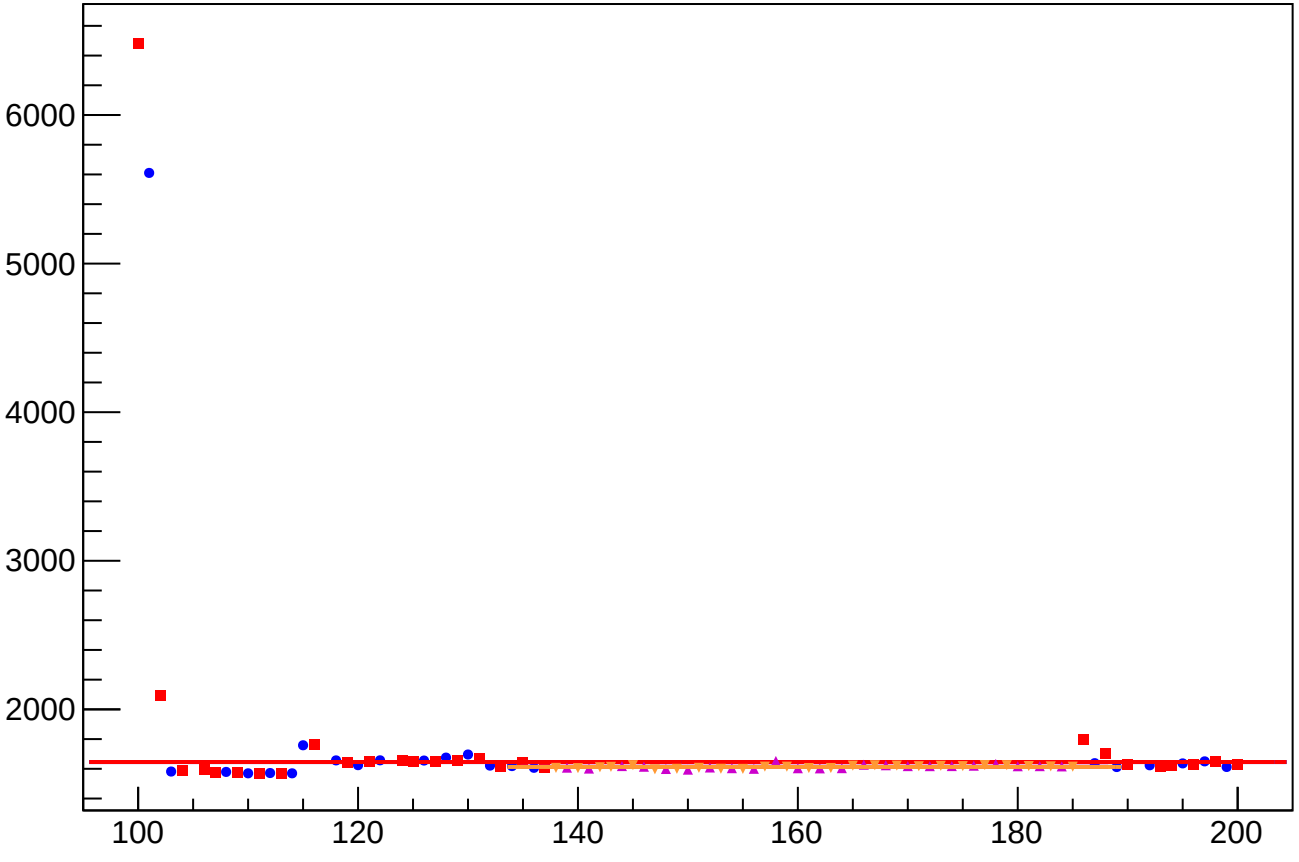
Right: 2349.327+/-332.935 χ^2/NDF: 33.6/48

In: 2400.292+/-299.015 χ^2/NDF:51.0/44

Out: 2298.197+/-284.746 χ^2/NDF:43.8/51

All: 2346.751+/-206.206 χ^2/NDF: 94.9/96

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1645.472+/-0.347 χ^2/NDF: 668490.0/21

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

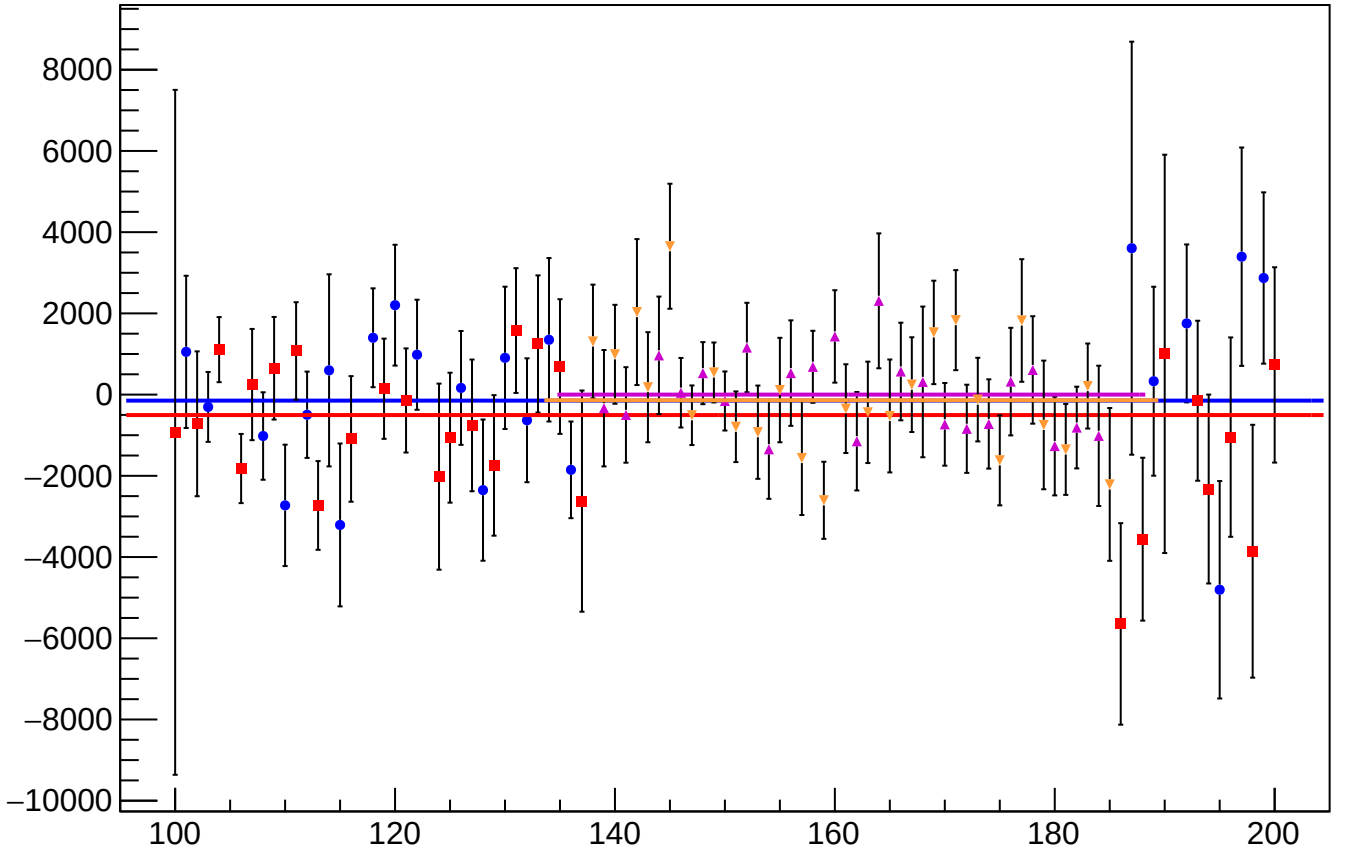
Right: 1645.610+/-0.235 χ^2/NDF: 814594.5/48

In: 1625.522+/-0.211 χ^2/NDF:676078.7/44

Out: 1625.713+/-0.201 χ^2/NDF:153746.9/51

All: 1625.622+/-0.146 χ^2/NDF: 829826.0/96

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -148.345+/-324.976 χ^2/NDF: 24.5/21

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

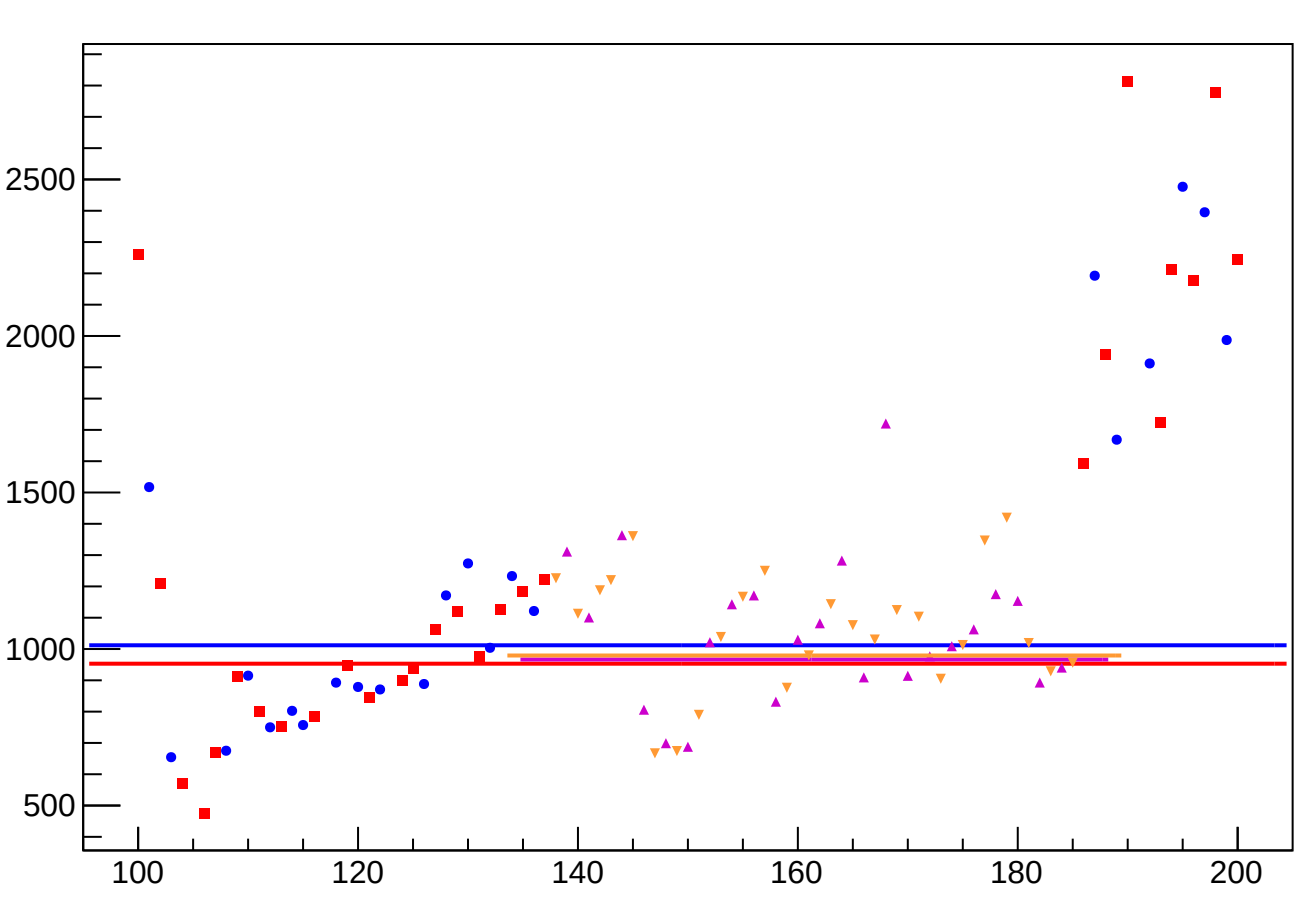
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

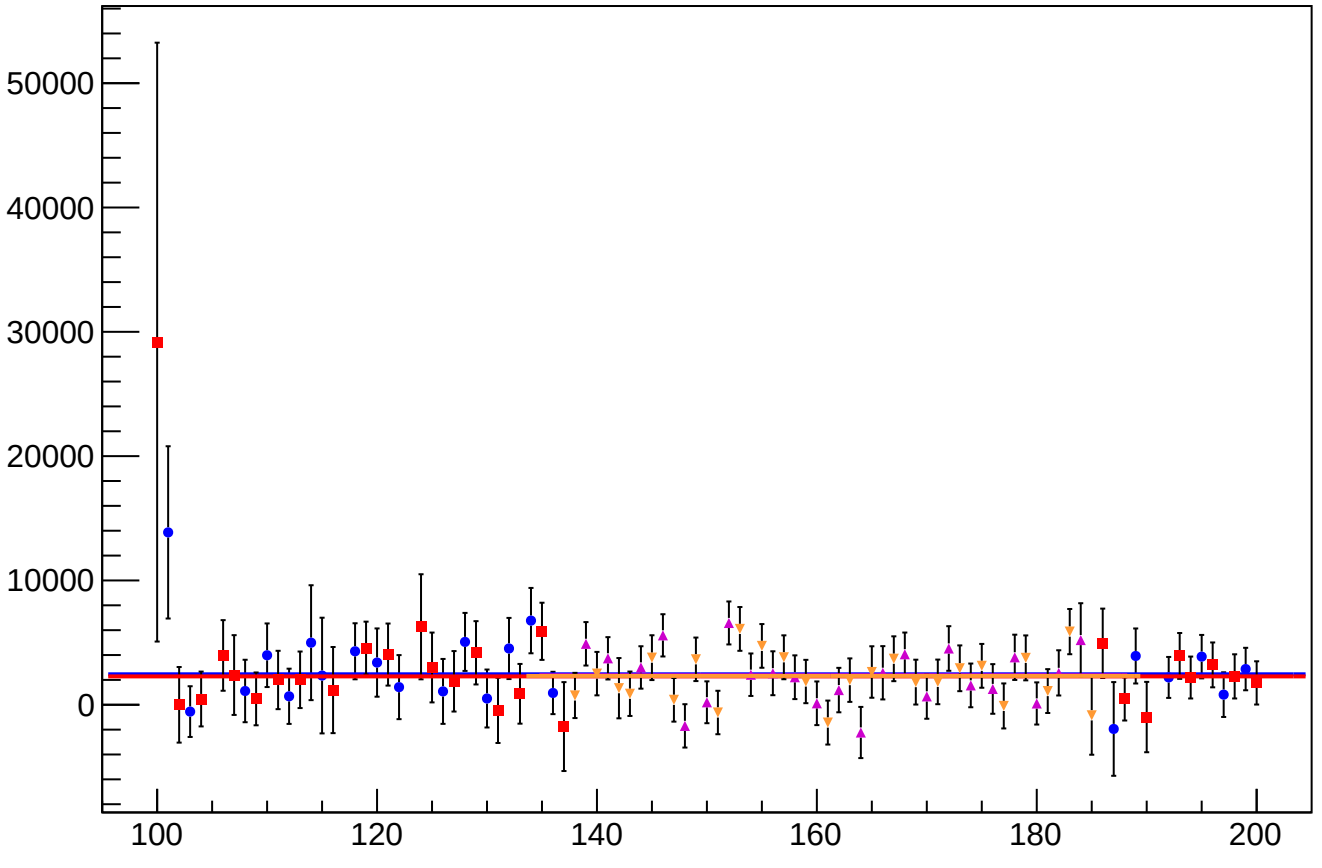
Right: -343.576+/-218.141 χ^2/NDF: 53.1/48

In: -50.114+/-188.768 χ^2/NDF:37.5/44

Out: -276.643+/-180.793 χ^2/NDF:59.0/51

All: -168.265+/-130.568 χ^2/NDF: 97.3/96


asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1011.942+/-0.230 χ²/NDF: 3290787.6/21
Left Out: 979.294+/-0.162 χ²/NDF:1630623.2/24
Right Out: 953.116+/-0.208 χ²/NDF: 5069411.3/26
Left In: 966.526+/-0.164 χ²/NDF:1602596.2/22
Left: 972.987+/-0.115 χ²/NDF: 3236287.4/47
Right: 979.622+/-0.154 χ²/NDF: 8396204.1/48
In: 981.850+/-0.133 χ²/NDF:4919265.4/44
Out: 969.415+/-0.128 χ²/NDF:6709887.0/51
All: 975.364+/-0.092 χ²/NDF: 11633678.9/96



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

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

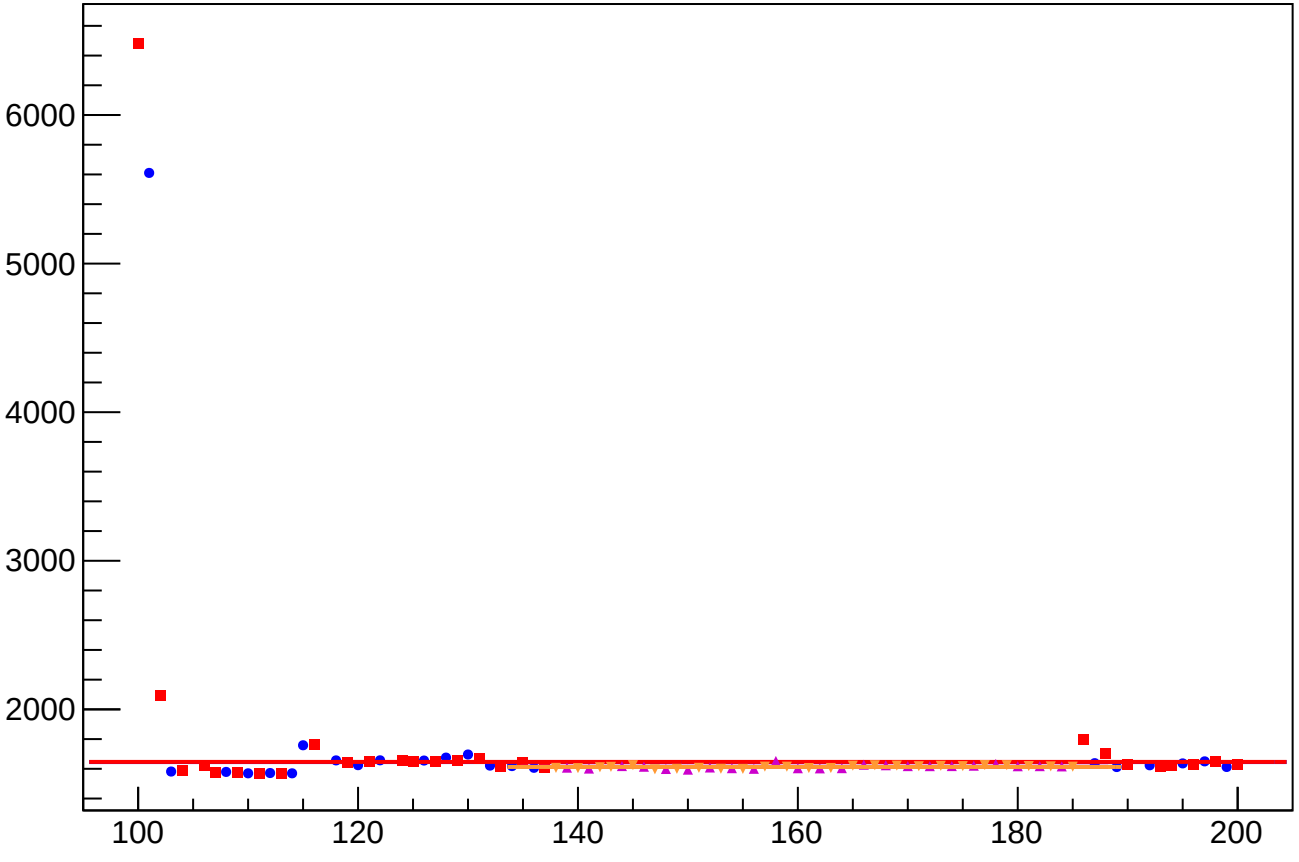
Right: 2359.329+/-333.016 χ^2/NDF: 33.8/48

In: 2400.221+/-299.015 χ^2/NDF:51.0/44

Out: 2305.574+/-284.797 χ^2/NDF:44.1/51

All: 2350.594+/-206.225 χ^2/NDF: 95.1/96

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

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

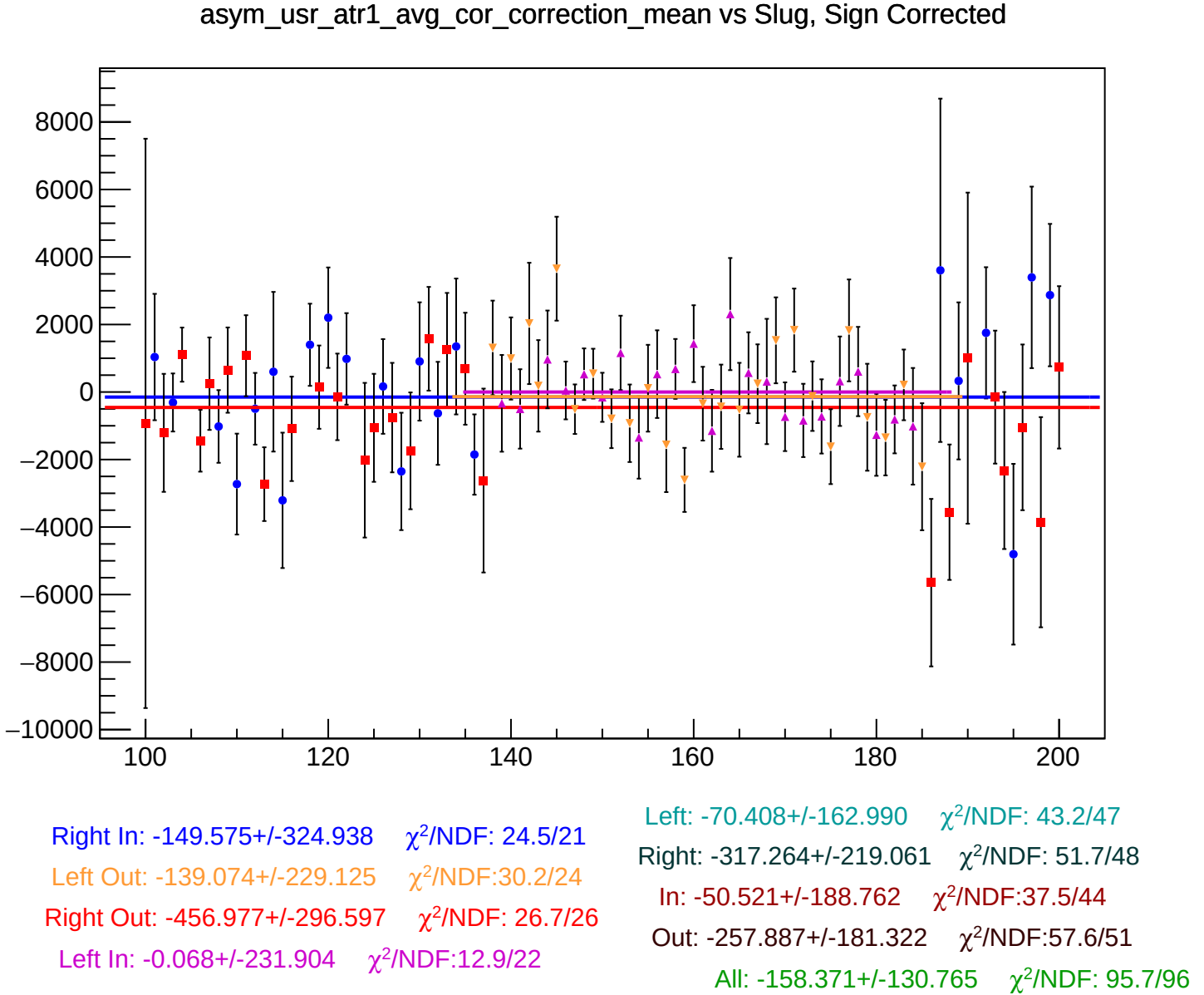
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

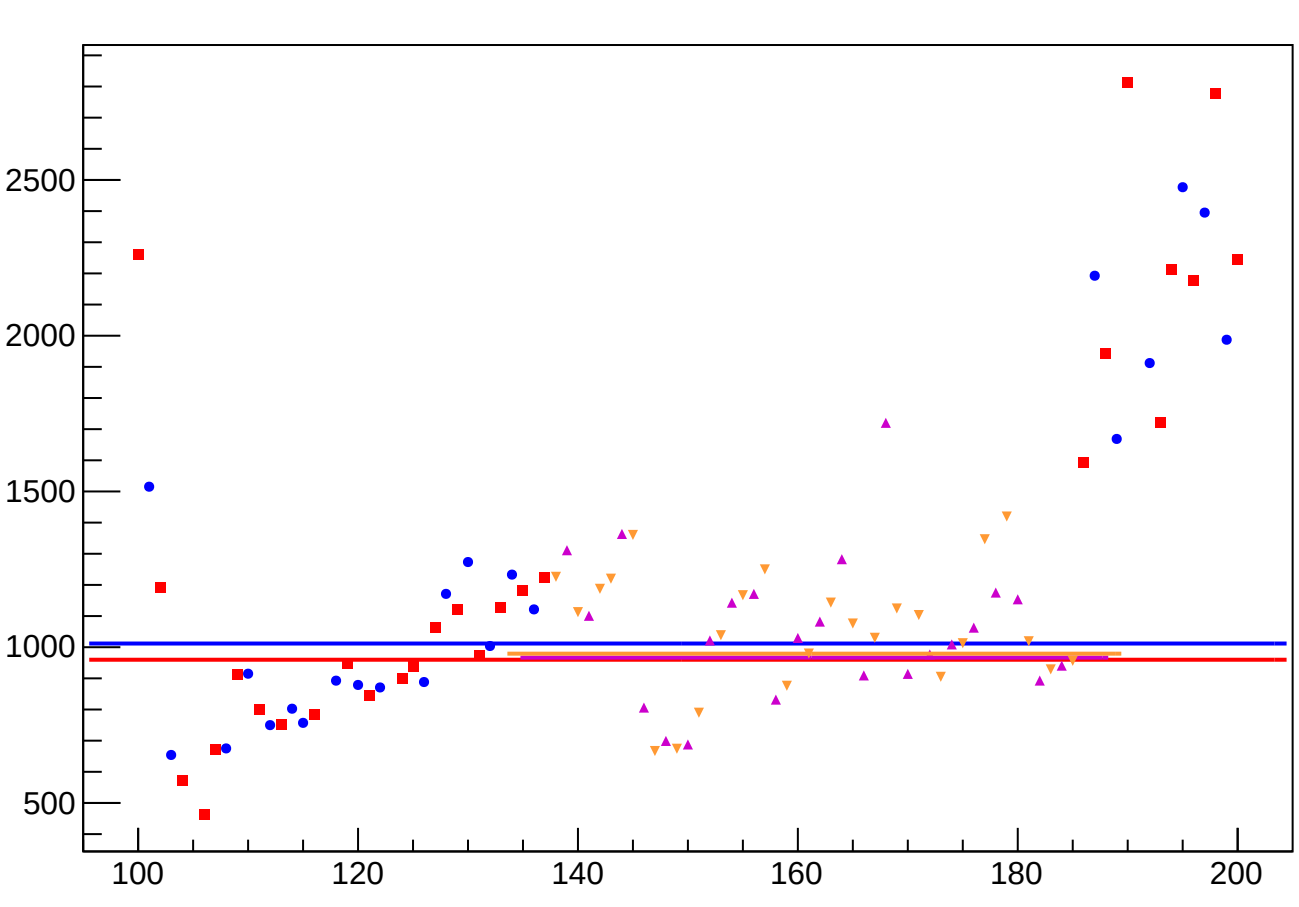
Right: 1646.000+/-0.235 χ^2/NDF: 814055.1/48

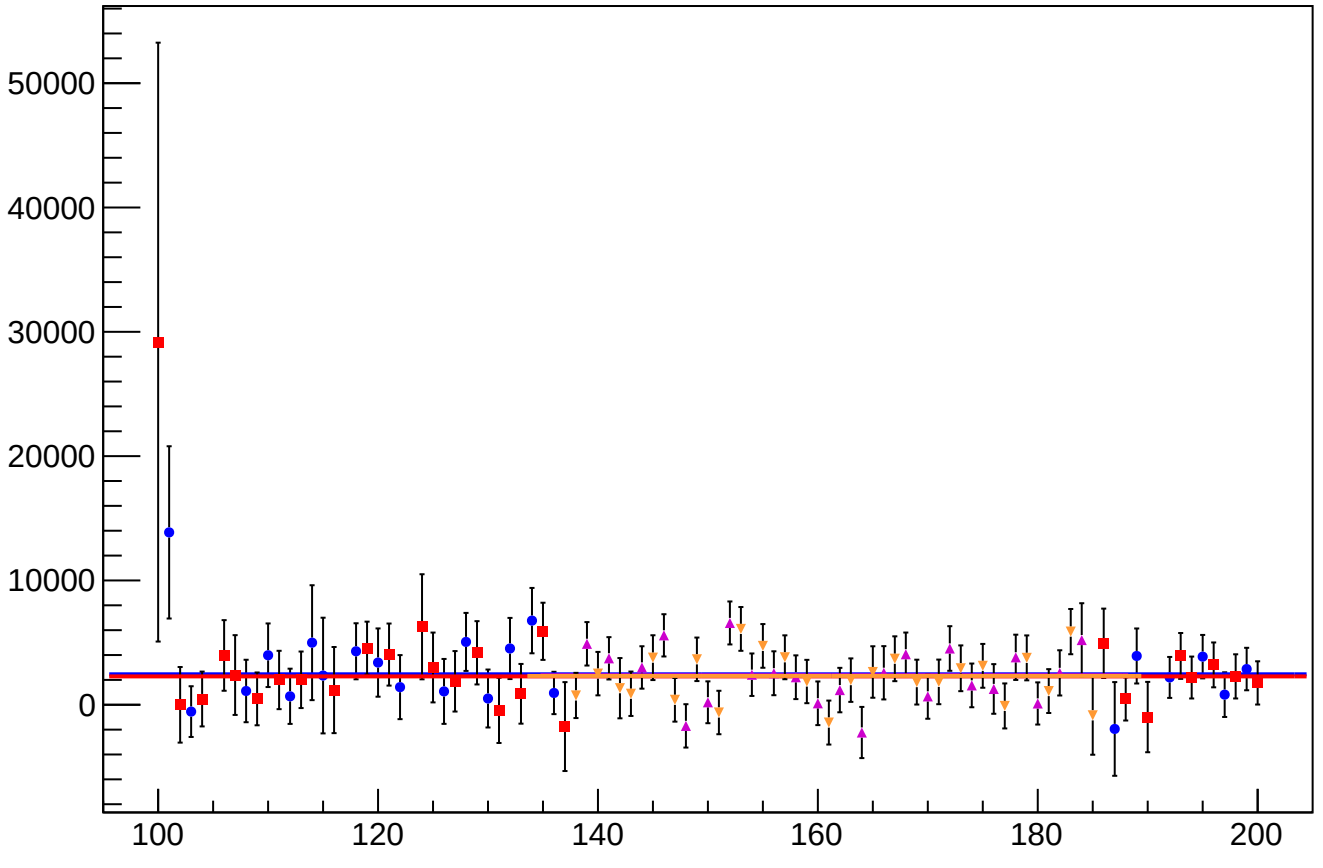
In: 1625.522+/-0.211 χ^2/NDF:676078.2/44

Out: 1625.991+/-0.201 χ^2/NDF:153484.9/51

All: 1625.768+/-0.146 χ^2/NDF: 829565.7/96


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: -149.575+/-324.938 χ²/NDF: 24.5/21
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: -317.264+/-219.061 χ²/NDF: 51.7/48
In: -50.521+/-188.762 χ²/NDF:37.5/44
Out: -257.887+/-181.322 χ²/NDF:57.6/51
All: -158.371+/-130.765 χ²/NDF: 95.7/96


asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1011.824+/-0.230 χ²/NDF: 3291041.6/21
Left Out: 979.288+/-0.162 χ²/NDF:1630731.2/24
Right Out: 959.792+/-0.210 χ²/NDF: 5001672.1/26
Left In: 966.531+/-0.164 χ²/NDF:1602562.1/22
Left: 972.987+/-0.115 χ²/NDF: 3236355.9/47
Right: 983.440+/-0.155 χ²/NDF: 8320688.1/48
In: 981.816+/-0.133 χ²/NDF:4919348.6/44
Out: 972.002+/-0.128 χ²/NDF:6637815.2/51
All: 976.712+/-0.092 χ²/NDF: 11559975.6/96



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

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

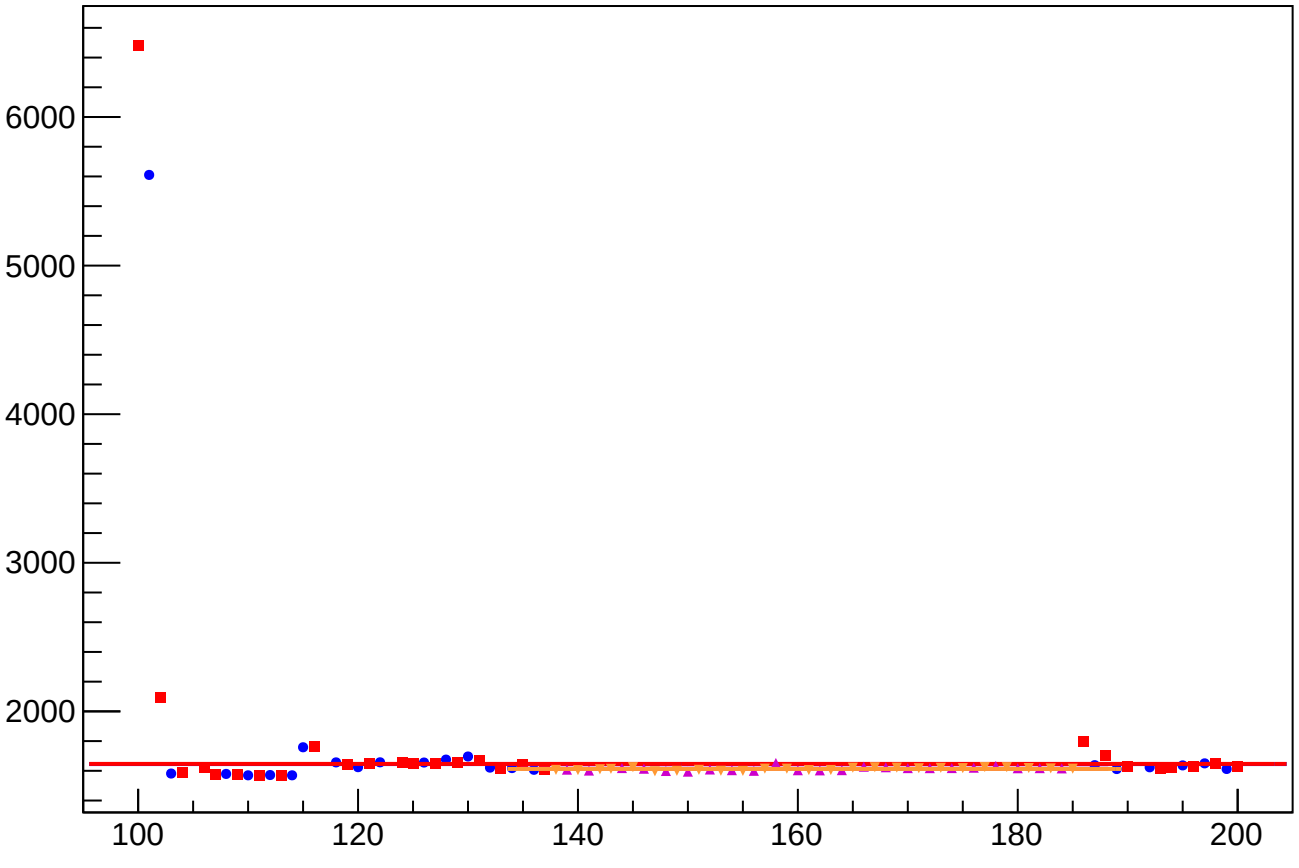
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2359.329+/-333.016 χ^2/NDF: 33.8/48

In: 2400.221+/-299.015 χ^2/NDF:51.0/44

Out: 2305.574+/-284.797 χ^2/NDF:44.1/51

All: 2350.594+/-206.225 χ^2/NDF: 95.1/96



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

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

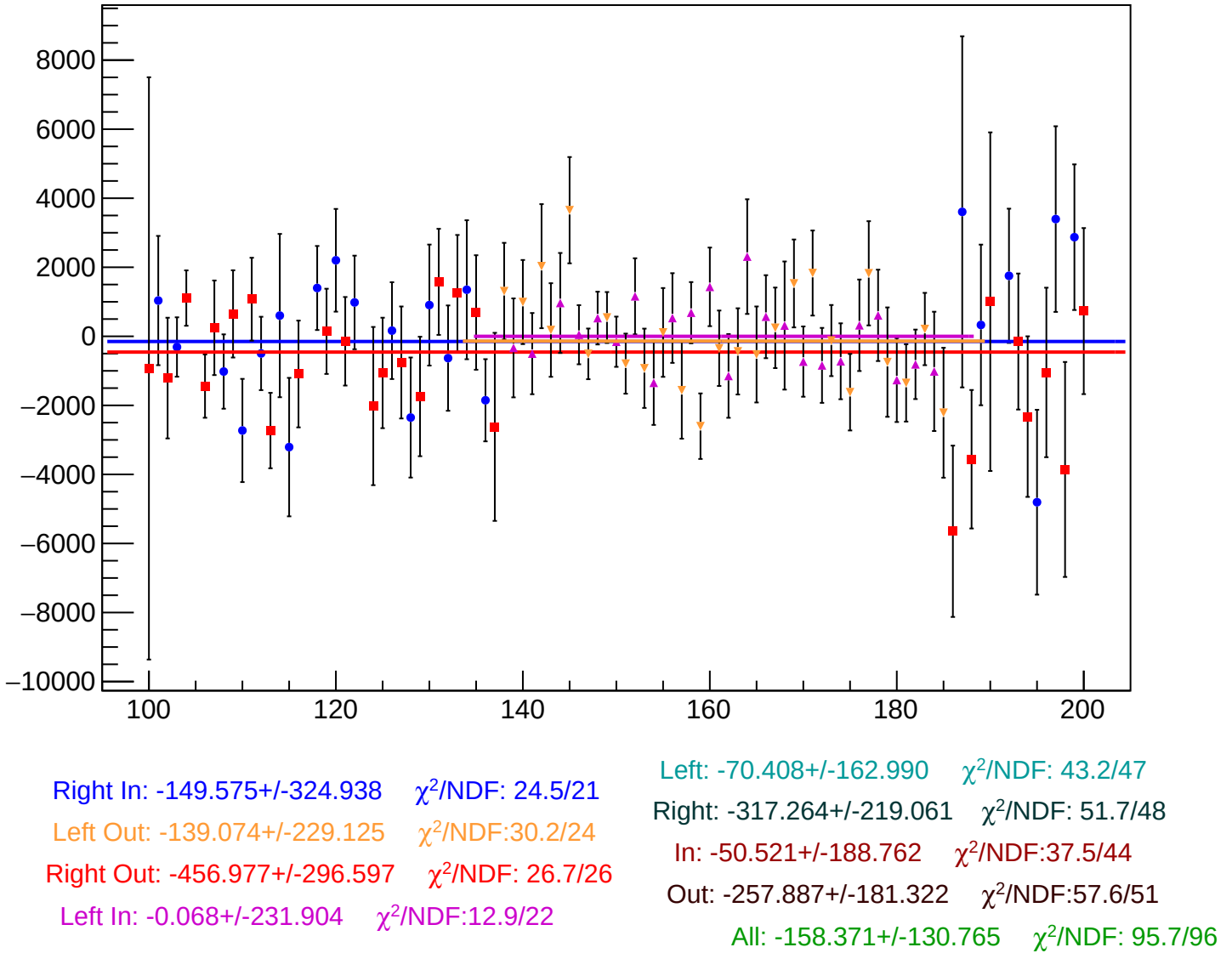
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

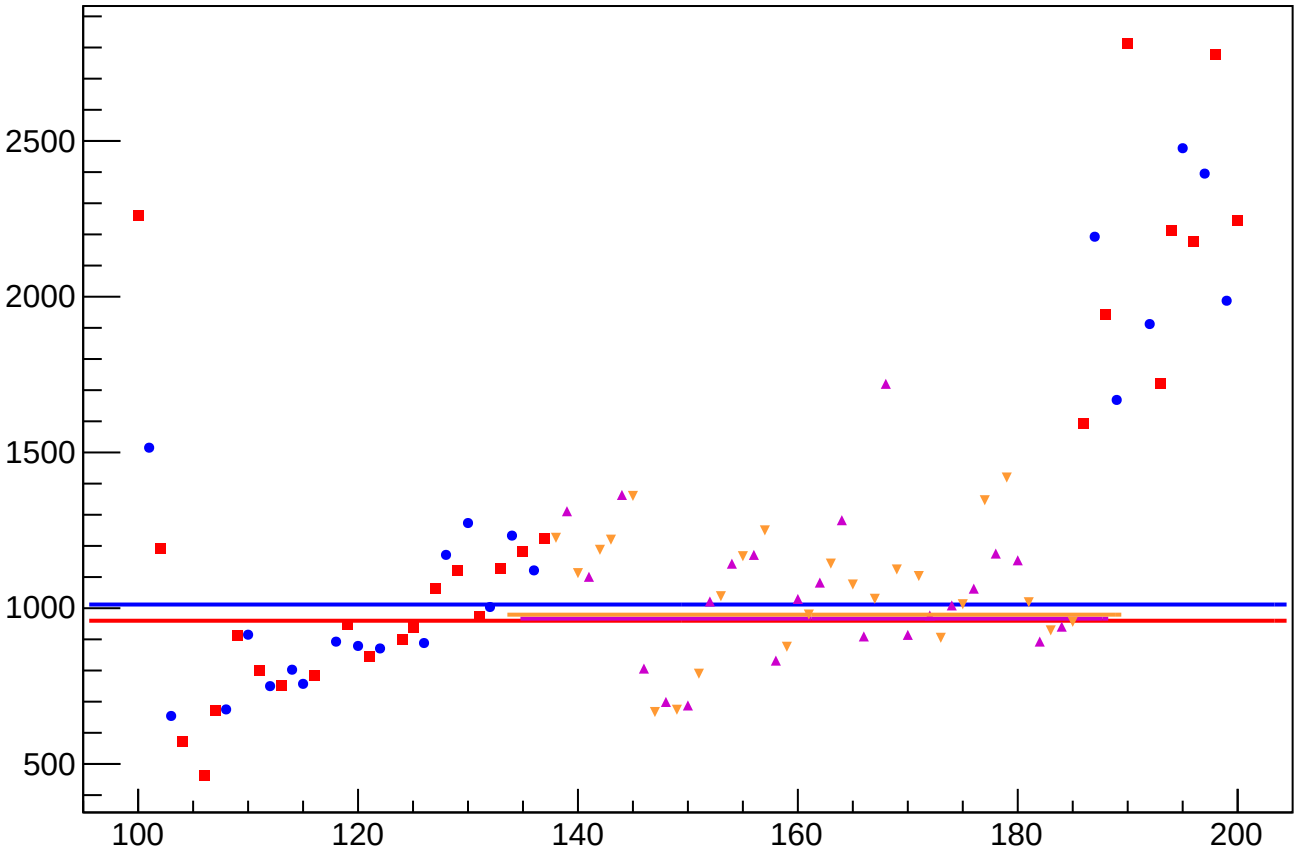
Right: 1646.000+/-0.235 χ^2/NDF: 814055.1/48

In: 1625.522+/-0.211 χ^2/NDF:676078.2/44

Out: 1625.991+/-0.201 χ^2/NDF:153484.9/51

All: 1625.768+/-0.146 χ^2/NDF: 829565.7/96


asym_usr_atr1_avg_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: -149.575+/-324.938 χ²/NDF: 24.5/21
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: -317.264+/-219.061 χ²/NDF: 51.7/48
In: -50.521+/-188.762 χ²/NDF:37.5/44
Out: -257.887+/-181.322 χ²/NDF:57.6/51
All: -158.371+/-130.765 χ²/NDF: 95.7/96



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

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

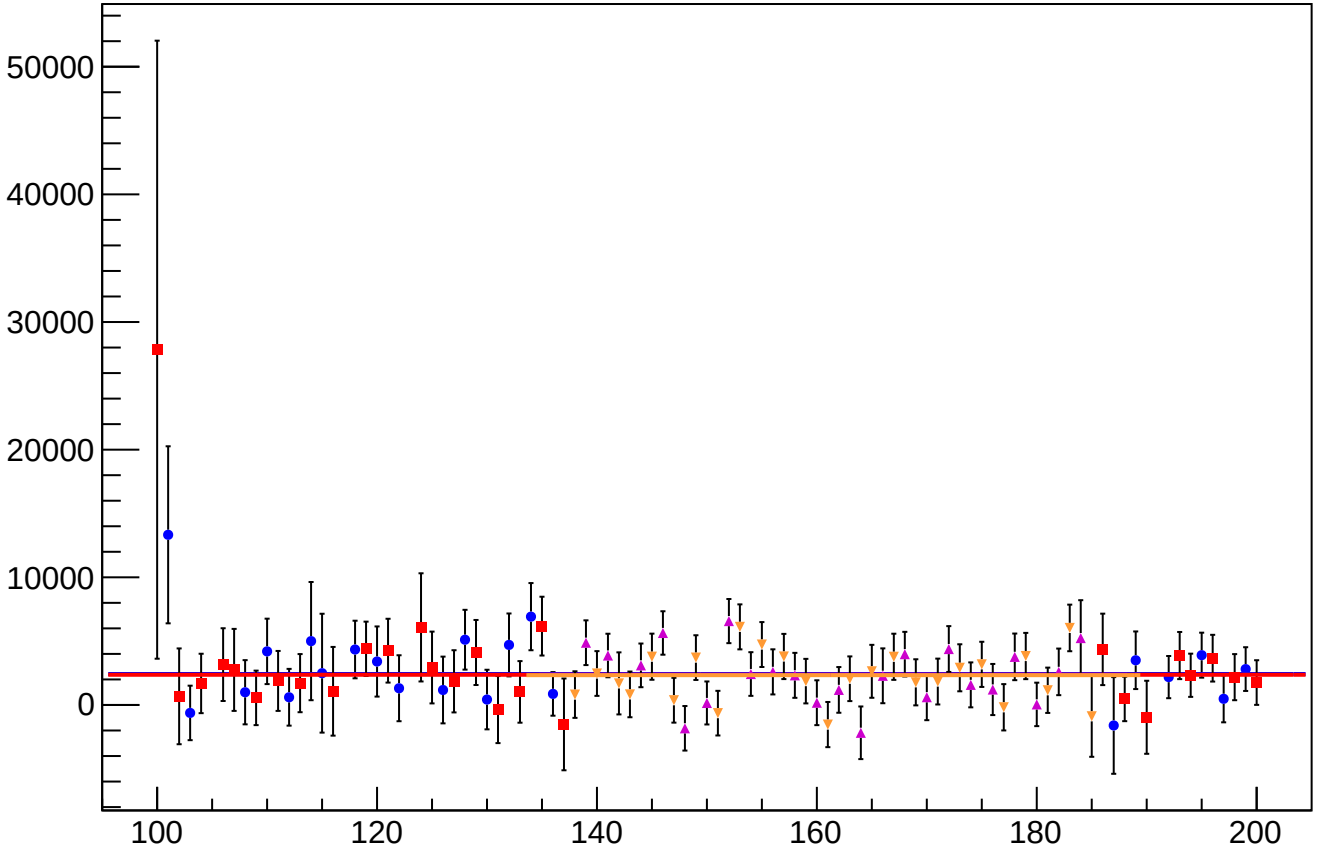
Right: 983.440+/-0.155 χ^2/NDF: 8320688.1/48

In: 981.816+/-0.133 χ^2/NDF:4919348.6/44

Out: 972.002+/-0.128 χ^2/NDF:6637815.2/51

All: 976.712+/-0.092 χ^2/NDF: 11559975.6/96

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2425.419+/-495.145 χ^2/NDF: 17.5/21

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

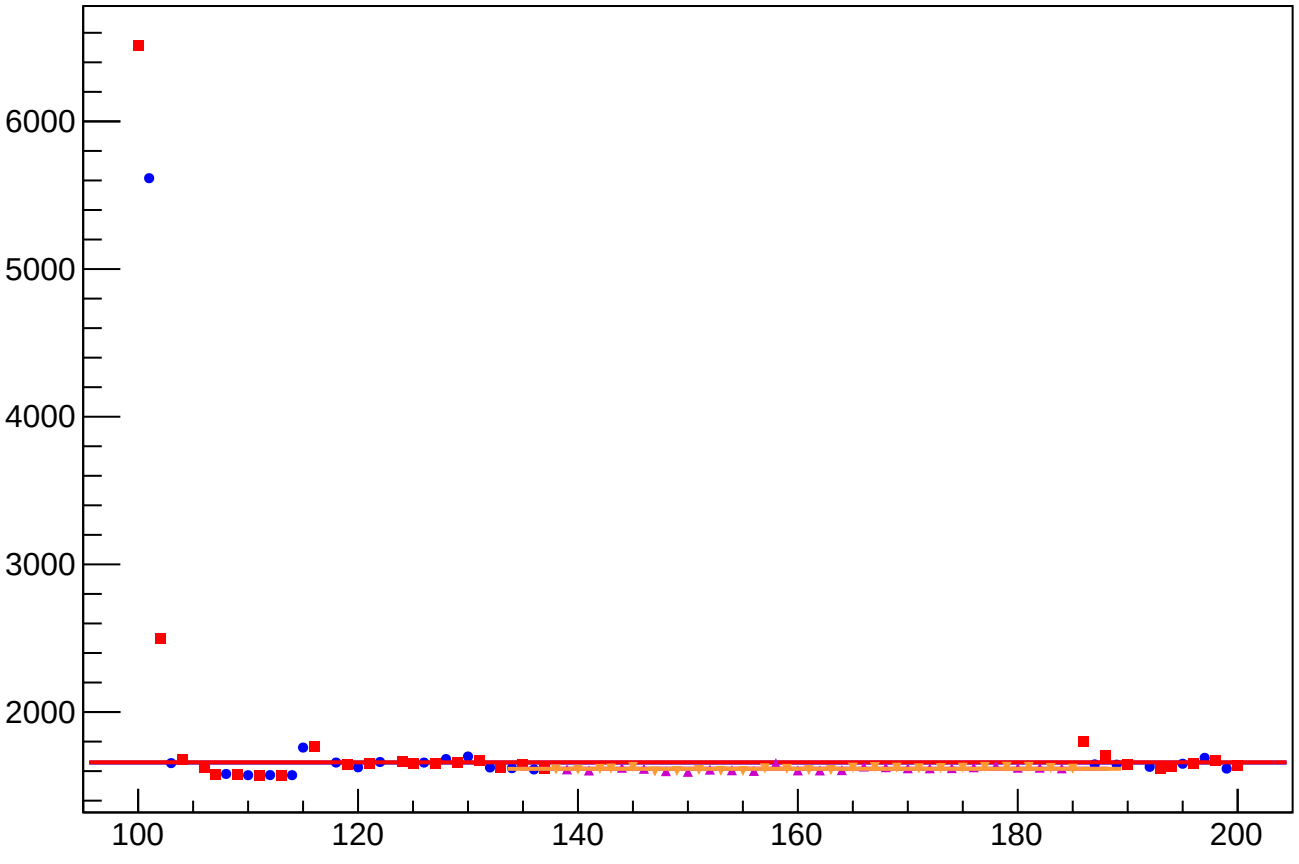
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2393.249+/-336.046 χ^2/NDF: 32.4/48

In: 2384.222+/-300.153 χ^2/NDF:51.5/44

Out: 2346.951+/-286.283 χ^2/NDF:43.2/51

All: 2364.706+/-207.163 χ^2/NDF: 94.7/96



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

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

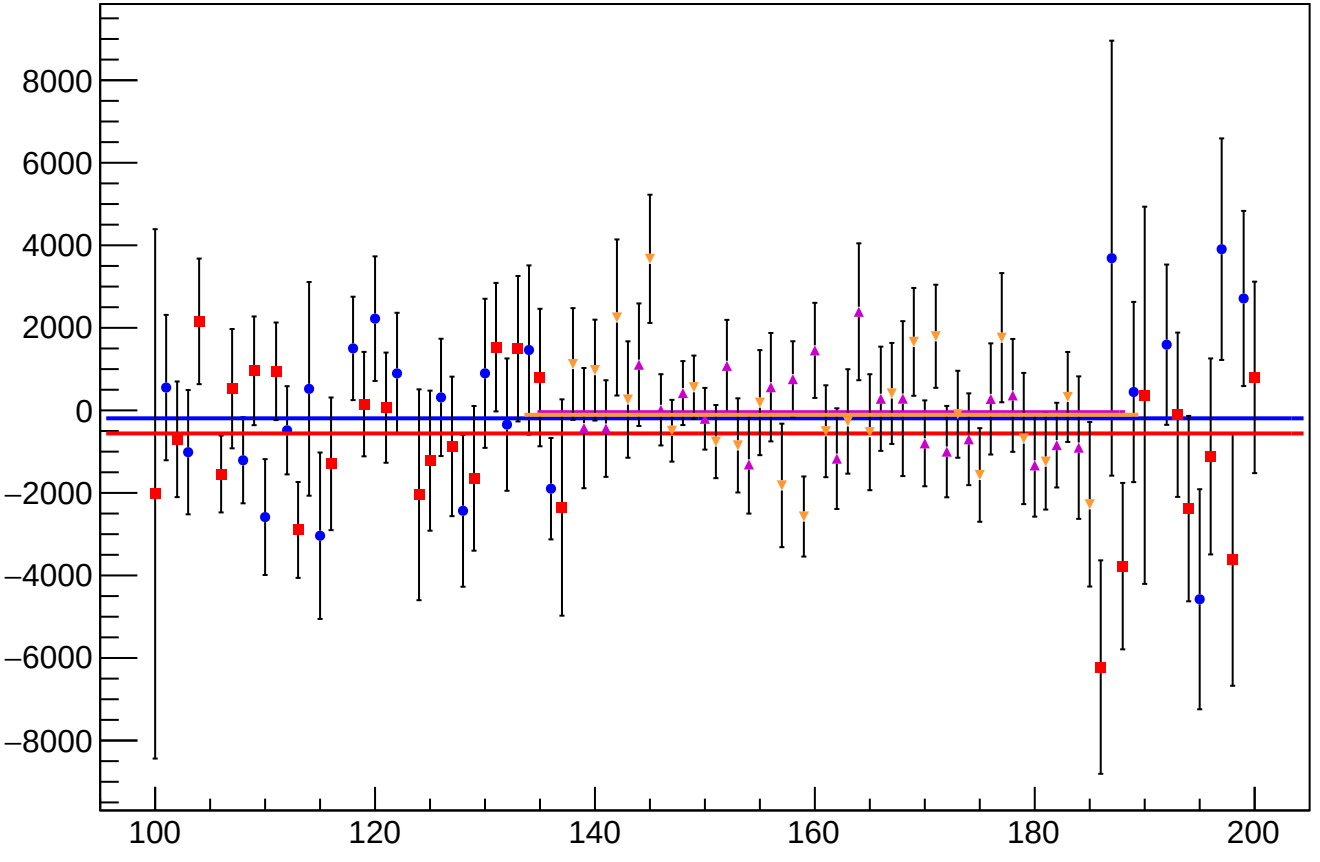
Right: 1658.830+/-0.238 χ^2/NDF: 867761.7/48

In: 1631.616+/-0.212 χ^2/NDF:677216.8/44

Out: 1632.862+/-0.202 χ^2/NDF:214689.4/51

All: 1632.269+/-0.146 χ^2/NDF: 891924.2/96

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -192.660+/-345.055 χ^2/NDF: 24.4/21

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

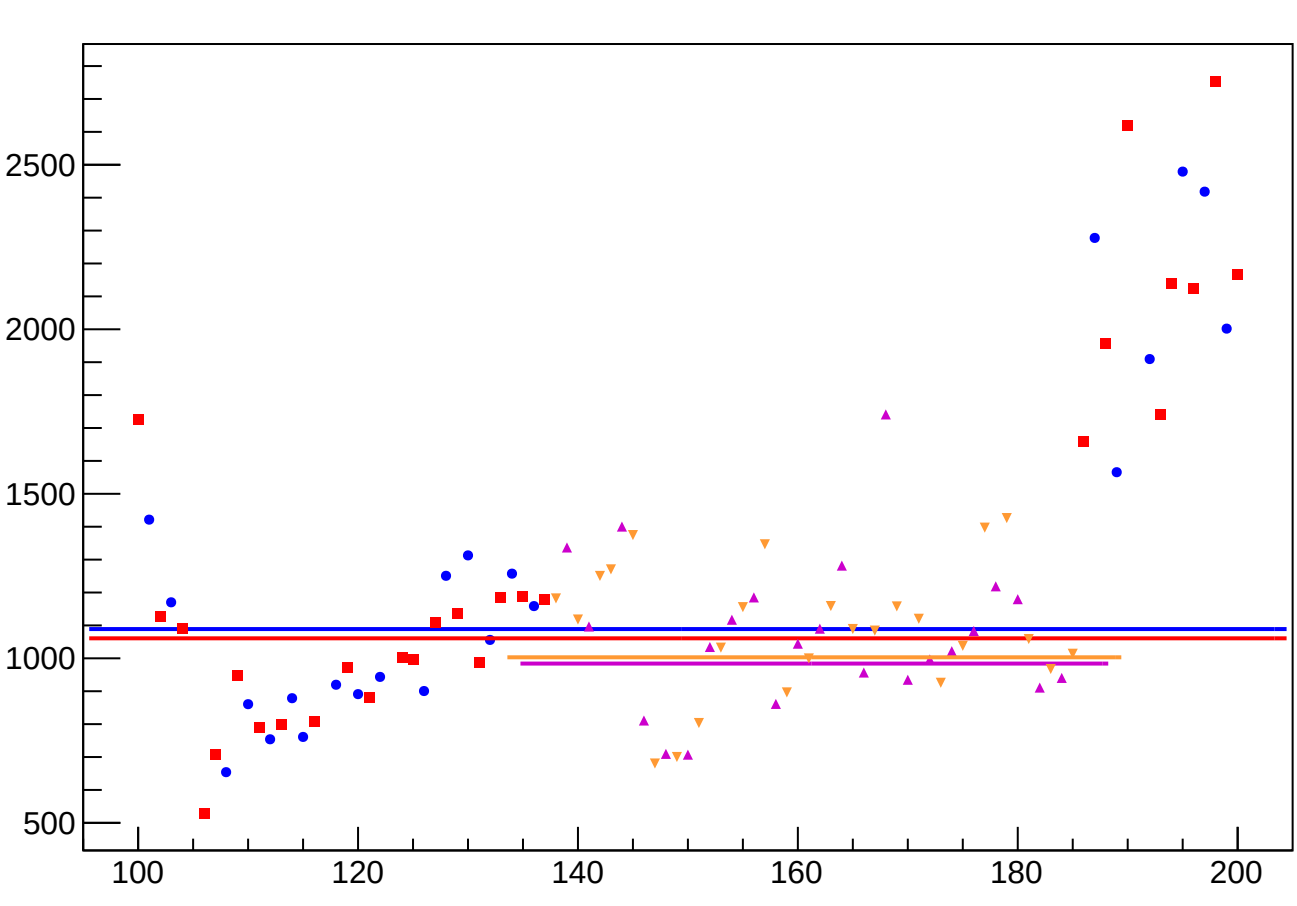
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -391.663+/-233.243 χ^2/NDF: 52.3/48

In: -91.625+/-194.646 χ^2/NDF:37.3/44

Out: -266.624+/-188.318 χ^2/NDF:57.7/51

All: -182.015+/-135.343 χ^2/NDF: 95.4/96



Right In: 1088.947+/-0.244 χ^2/NDF: 2891759.9/21

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

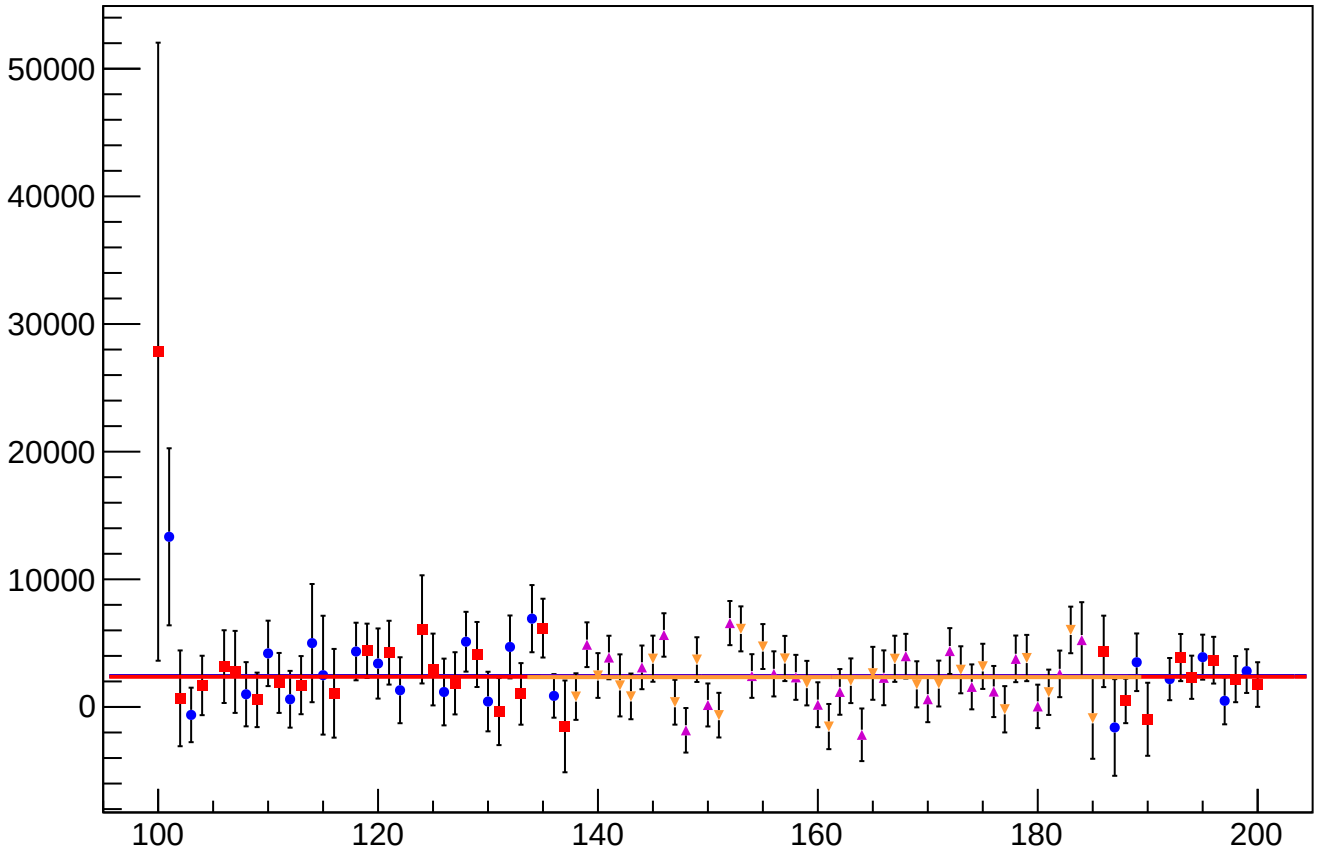
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1073.651+/-0.165 χ^2/NDF: 6952604.0/48

In: 1017.432+/-0.138 χ^2/NDF:4577330.0/44

Out: 1023.522+/-0.133 χ^2/NDF:5694934.6/51

All: 1020.577+/-0.096 χ^2/NDF: 10273275.9/9



Right In: 2425.418+/-495.145 χ^2/NDF: 17.5/21

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

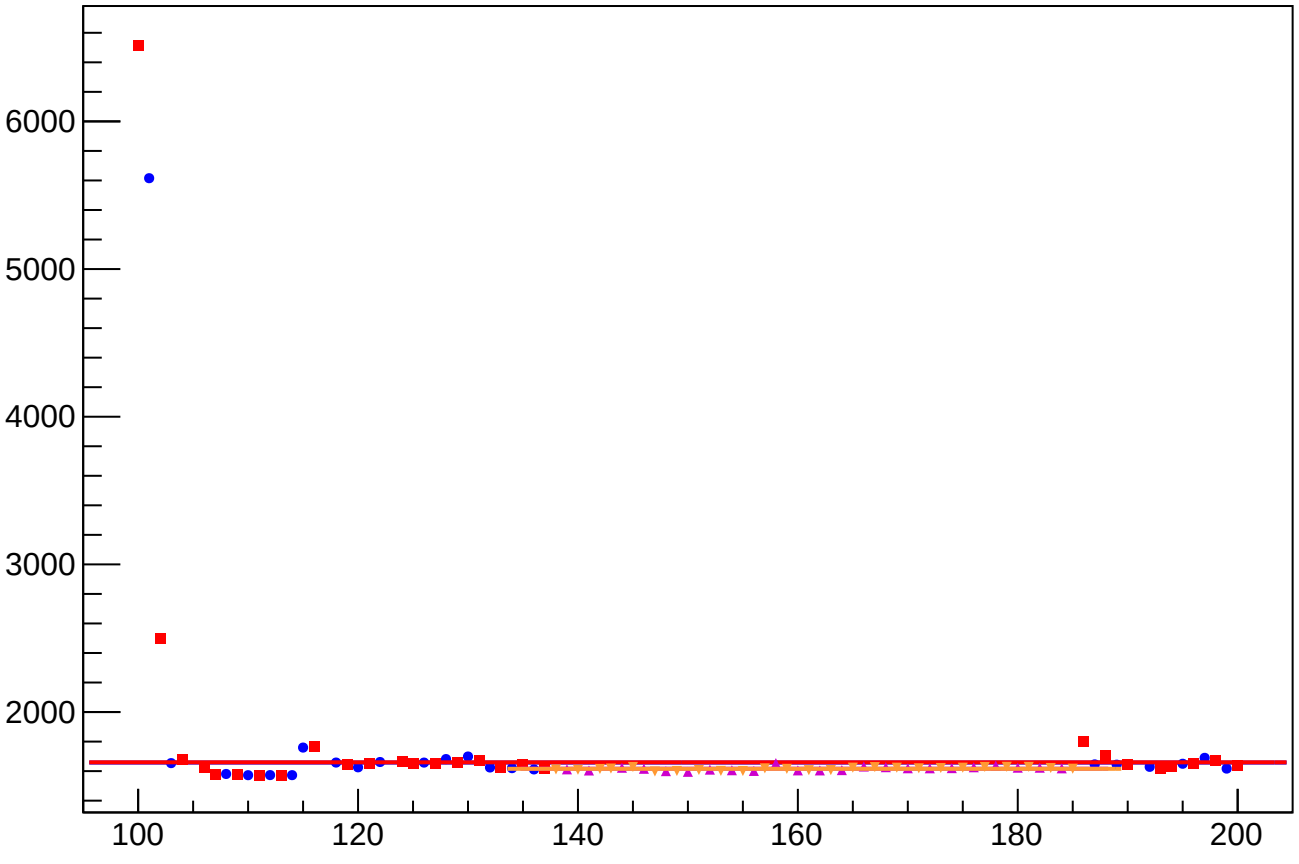
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2393.248+/-336.046 χ^2/NDF: 32.4/48

In: 2384.222+/-300.153 χ^2/NDF:51.5/44

Out: 2346.950+/-286.283 χ^2/NDF:43.2/51

All: 2364.705+/-207.163 χ^2/NDF: 94.7/96



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

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

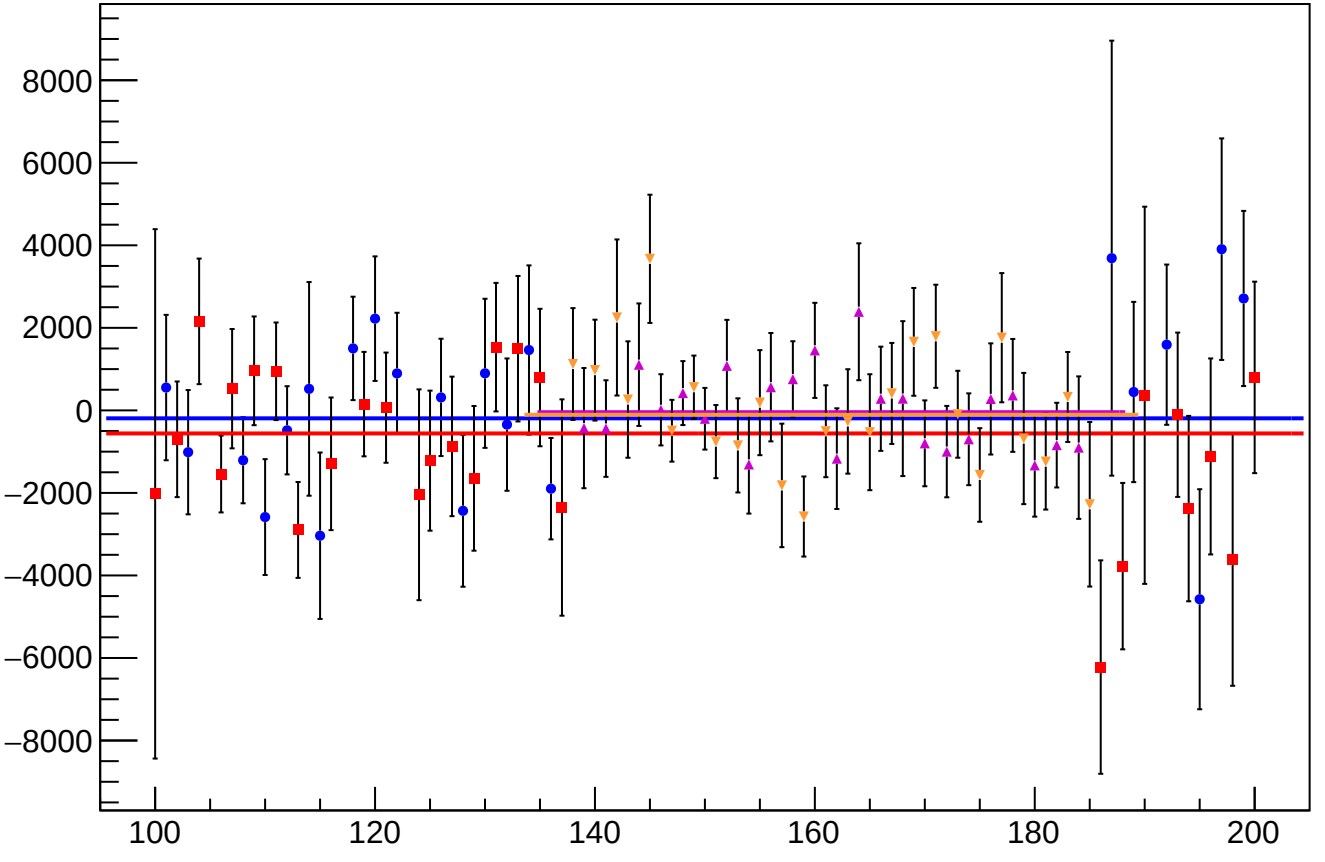
Right: 1658.830+/-0.238 χ^2/NDF: 867761.6/48

In: 1631.616+/-0.212 χ^2/NDF:677216.8/44

Out: 1632.862+/-0.202 χ^2/NDF:214689.2/51

All: 1632.269+/-0.146 χ^2/NDF: 891924.0/96

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -192.661+/-345.054 χ^2/NDF: 24.4/21

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -559.091+/-316.501 χ^2/NDF: 27.3/26

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

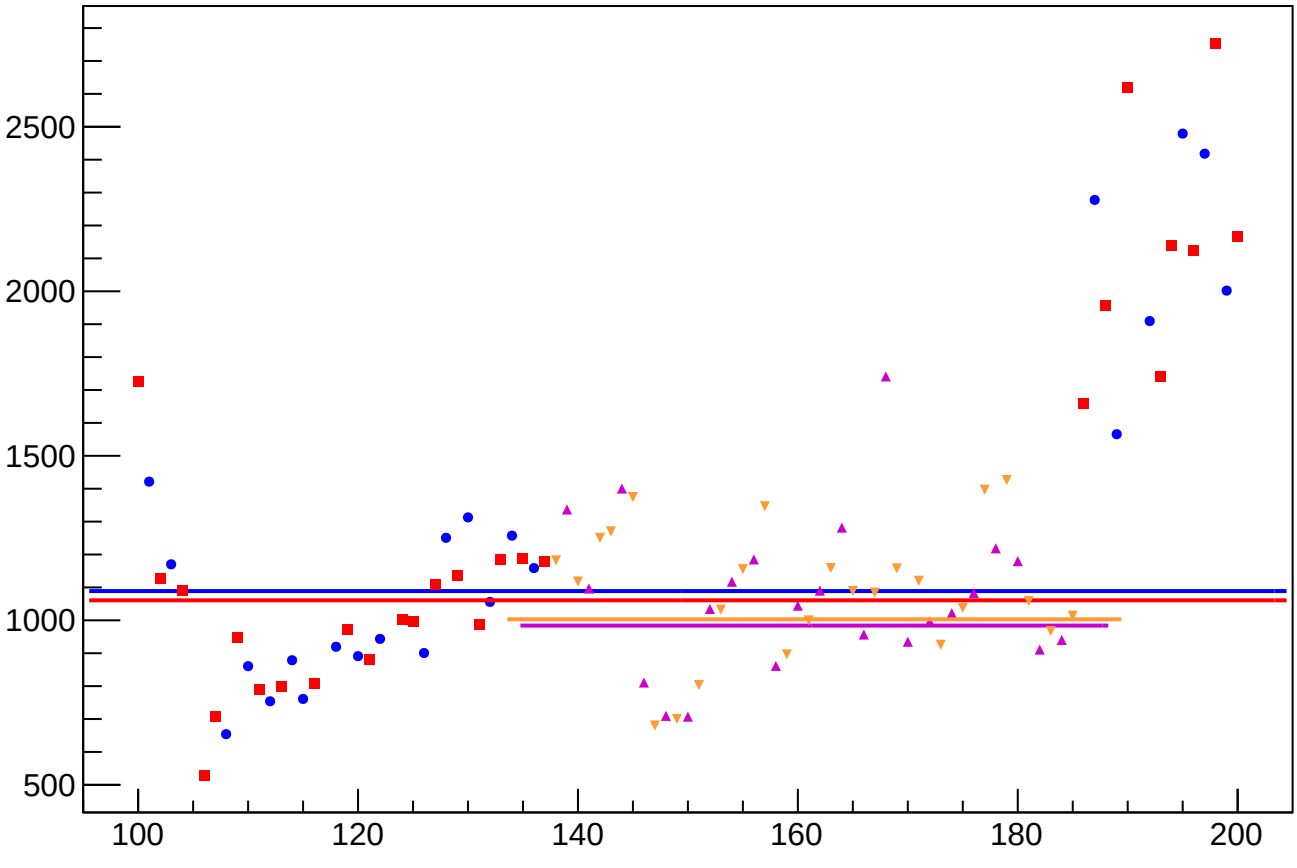
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -391.661+/-233.242 χ^2/NDF: 52.3/48

In: -91.625+/-194.646 χ^2/NDF:37.3/44

Out: -266.625+/-188.318 χ^2/NDF:57.7/51

All: -182.016+/-135.343 χ^2/NDF: 95.4/96



Right In: 1088.943+/-0.244 χ^2/NDF: 2891789.9/21

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

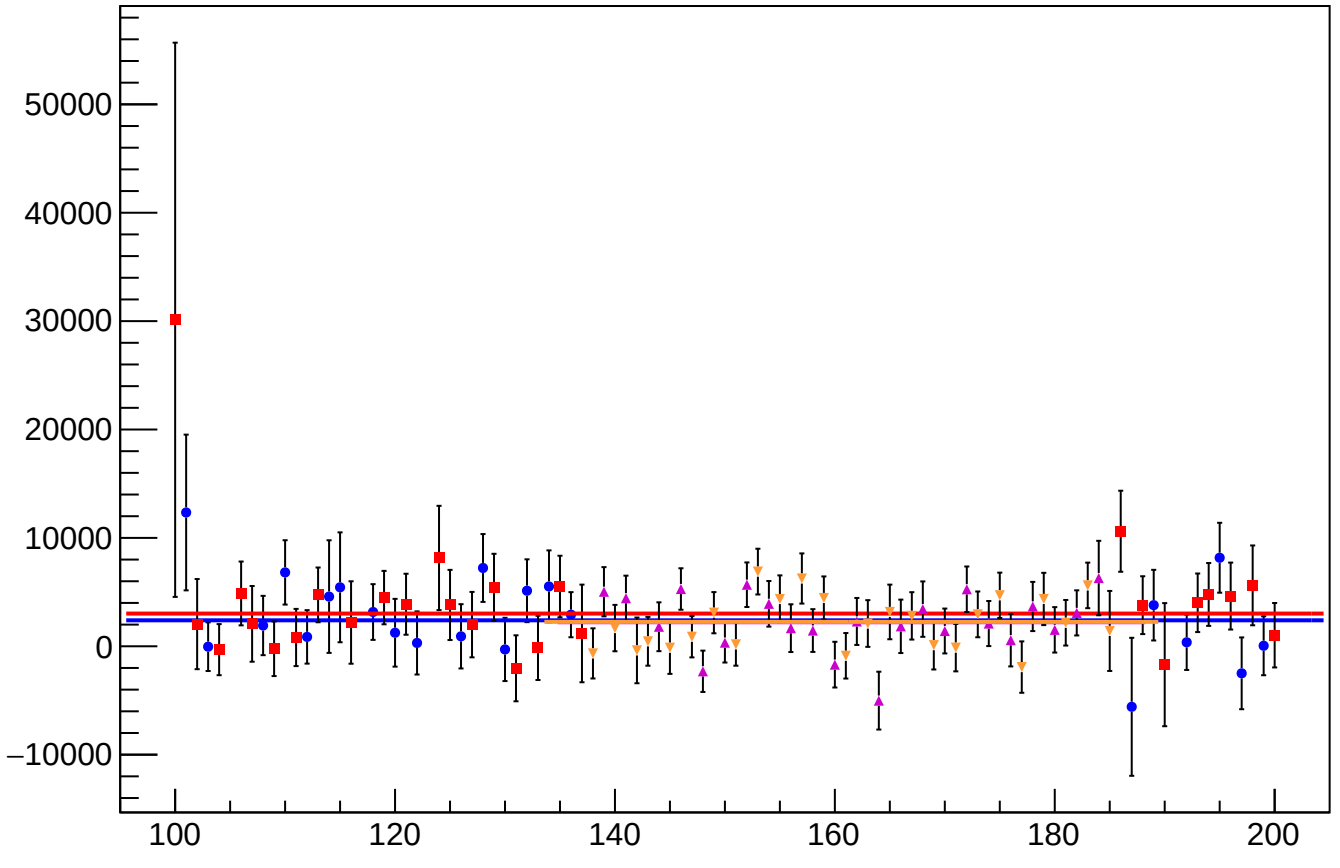
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1073.648+/-0.165 χ^2/NDF: 6952655.6/48

In: 1017.432+/-0.138 χ^2/NDF:4577347.4/44

Out: 1023.522+/-0.133 χ^2/NDF:5694951.6/51

All: 1020.578+/-0.096 χ^2/NDF: 10273310.3/9



Right In: 2395.842+/-639.473 χ^2/NDF: 20.8/21

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

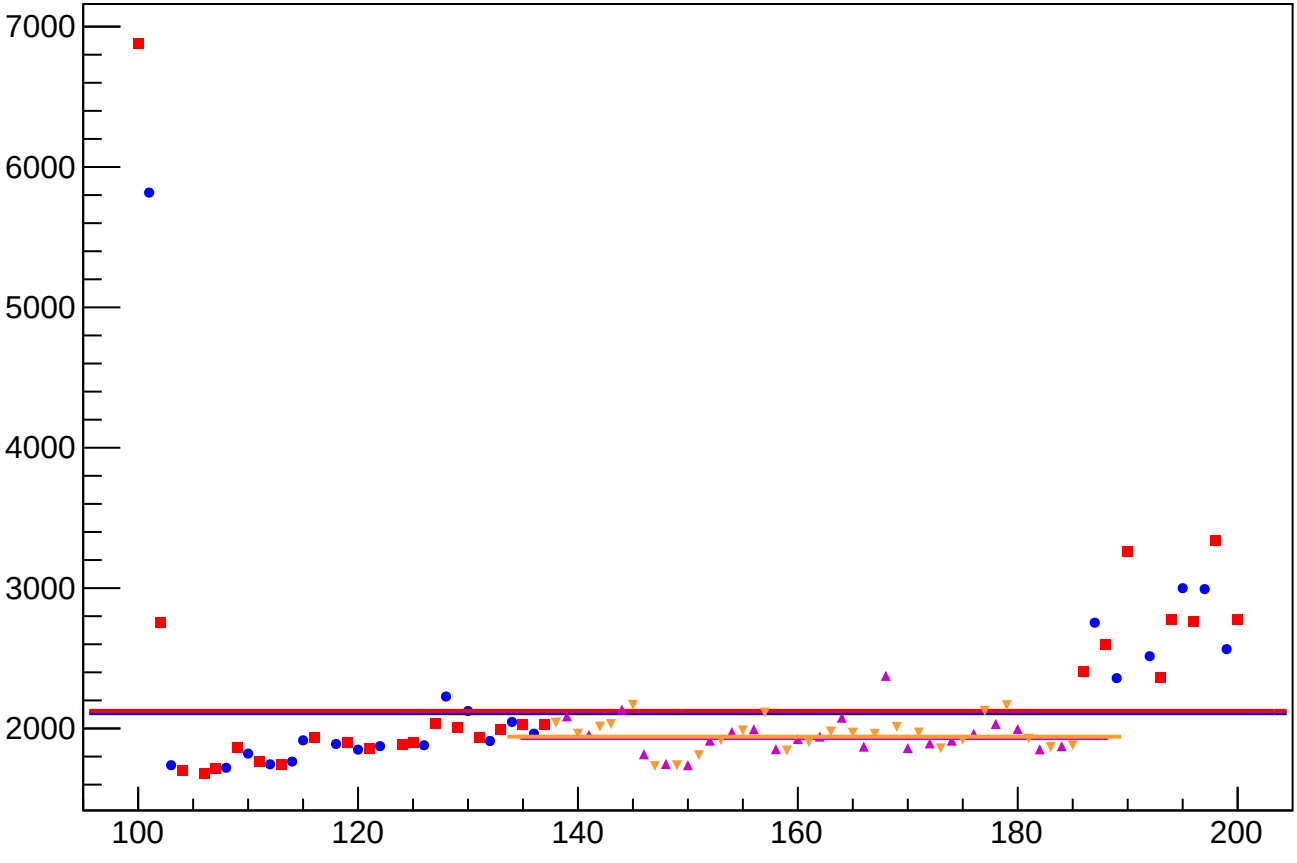
Right: 2727.775+/-436.851 χ^2/NDF: 41.7/48

In: 2278.234+/-369.260 χ^2/NDF:52.4/44

Out: 2523.013+/-355.597 χ^2/NDF:49.7/51

All: 2405.236+/-256.139 χ^2/NDF: 102.4/96

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2109.277+/-0.452 χ^2/NDF: 1212297.3/21

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

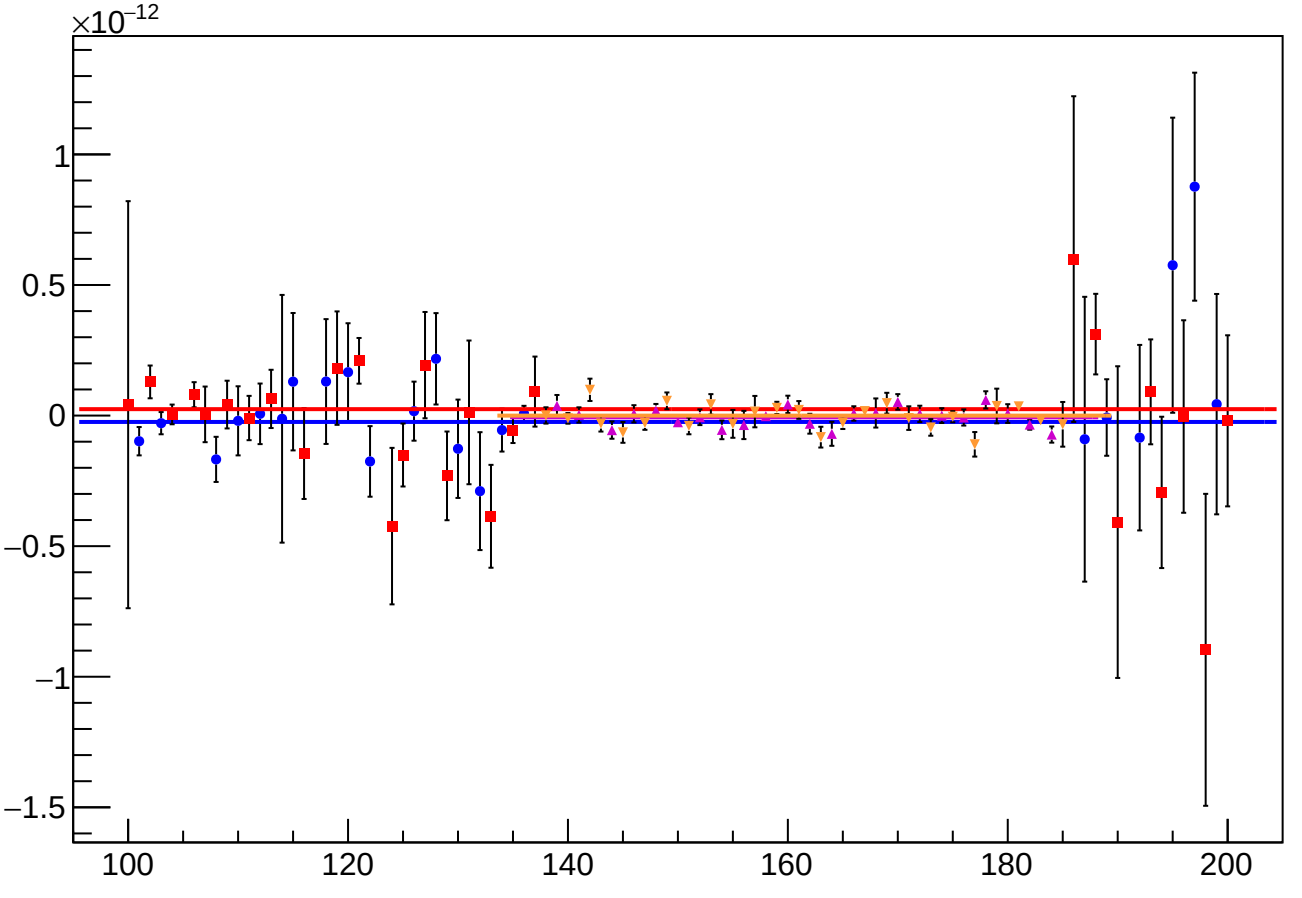
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2117.744+/-0.309 χ^2/NDF: 2317767.2/48

In: 1990.986+/-0.261 χ^2/NDF:1474845.4/44

Out: 2006.452+/-0.251 χ^2/NDF:1365611.1/51

All: 1999.010+/-0.181 χ^2/NDF: 2842276.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

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

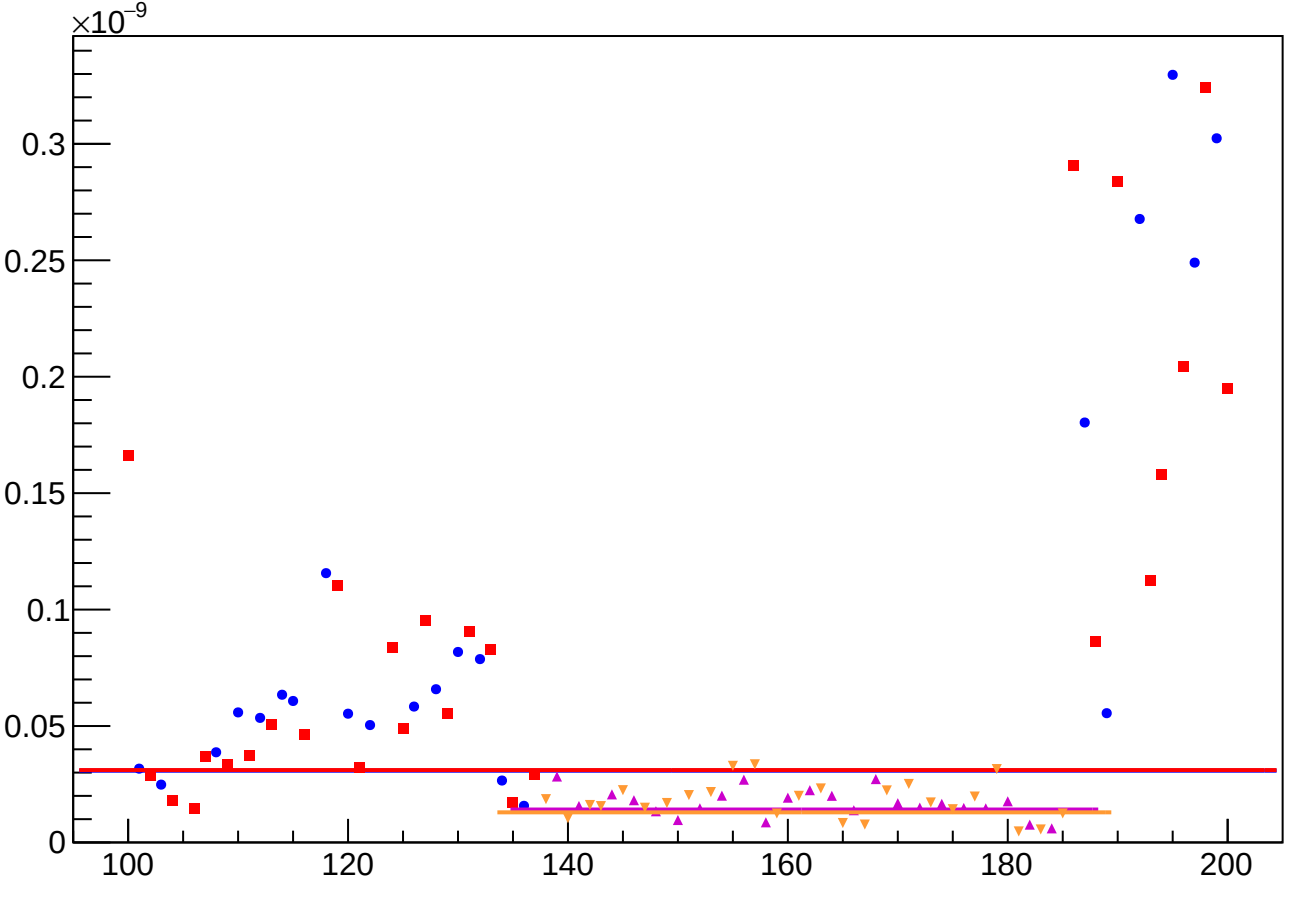
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.6/48

In: -0.000+/-0.000 χ^2/NDF:46.6/44

Out: 0.000+/-0.000 χ^2/NDF:75.9/51

All: -0.000+/-0.000 χ^2/NDF: 124.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 4513087.5/21

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

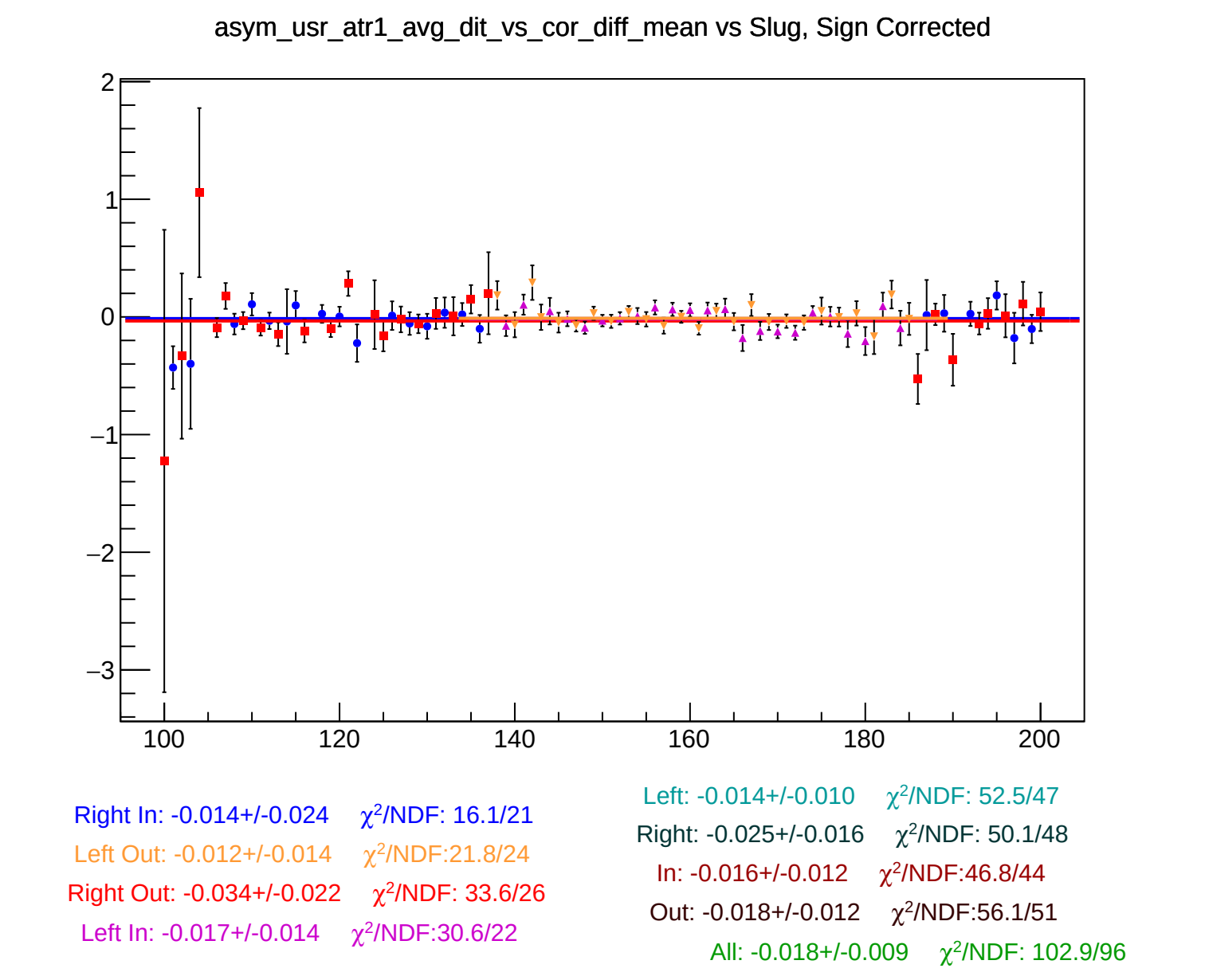
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

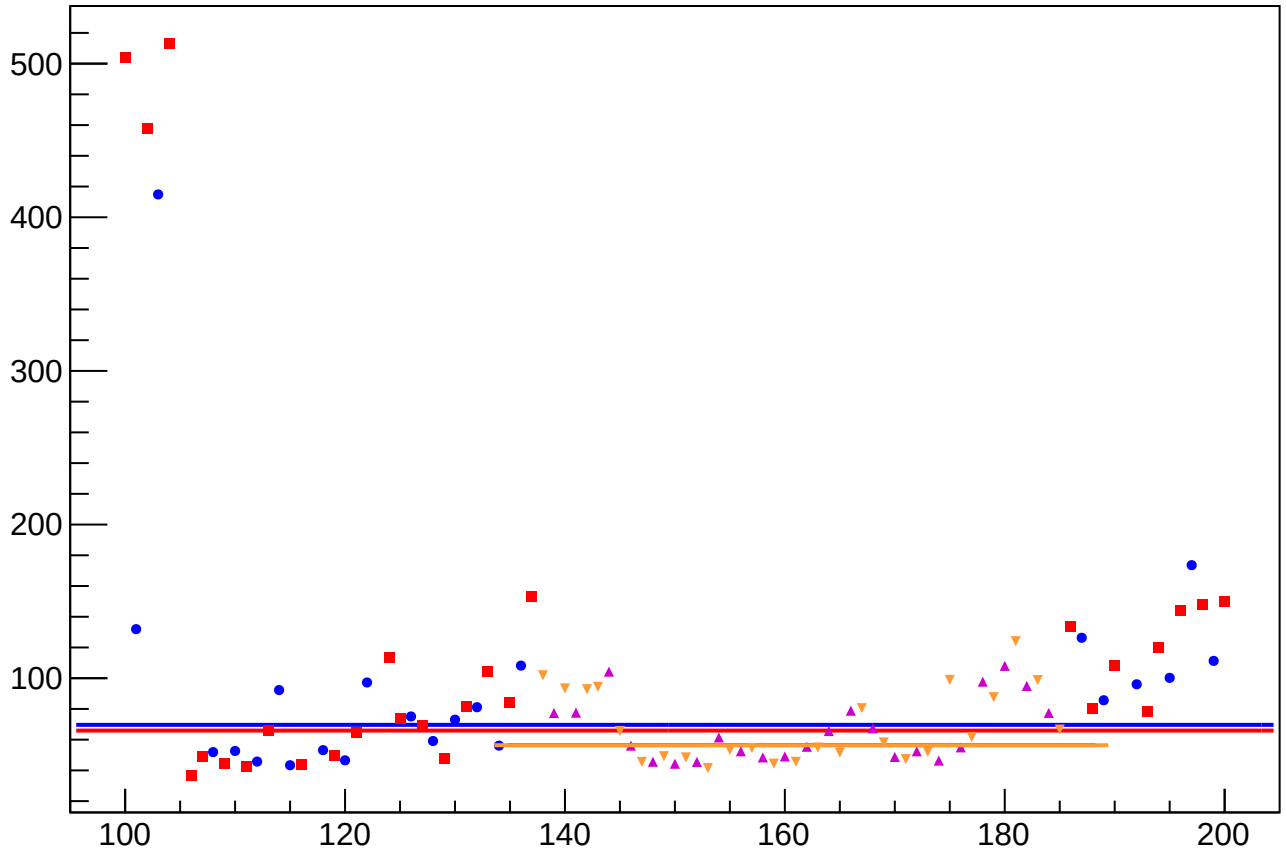
Right: 0.000+/-0.000 χ^2/NDF: 9257320.2/48

In: 0.000+/-0.000 χ^2/NDF:7443762.7/44

Out: 0.000+/-0.000 χ^2/NDF:9246076.6/51

All: 0.000+/-0.000 χ^2/NDF: 16743118.3/96


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.014+/-0.024 χ²/NDF: 16.1/21
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: -0.025+/-0.016 χ²/NDF: 50.1/48
In: -0.016+/-0.012 χ²/NDF:46.8/44
Out: -0.018+/-0.012 χ²/NDF:56.1/51
All: -0.018+/-0.009 χ²/NDF: 102.9/96



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

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

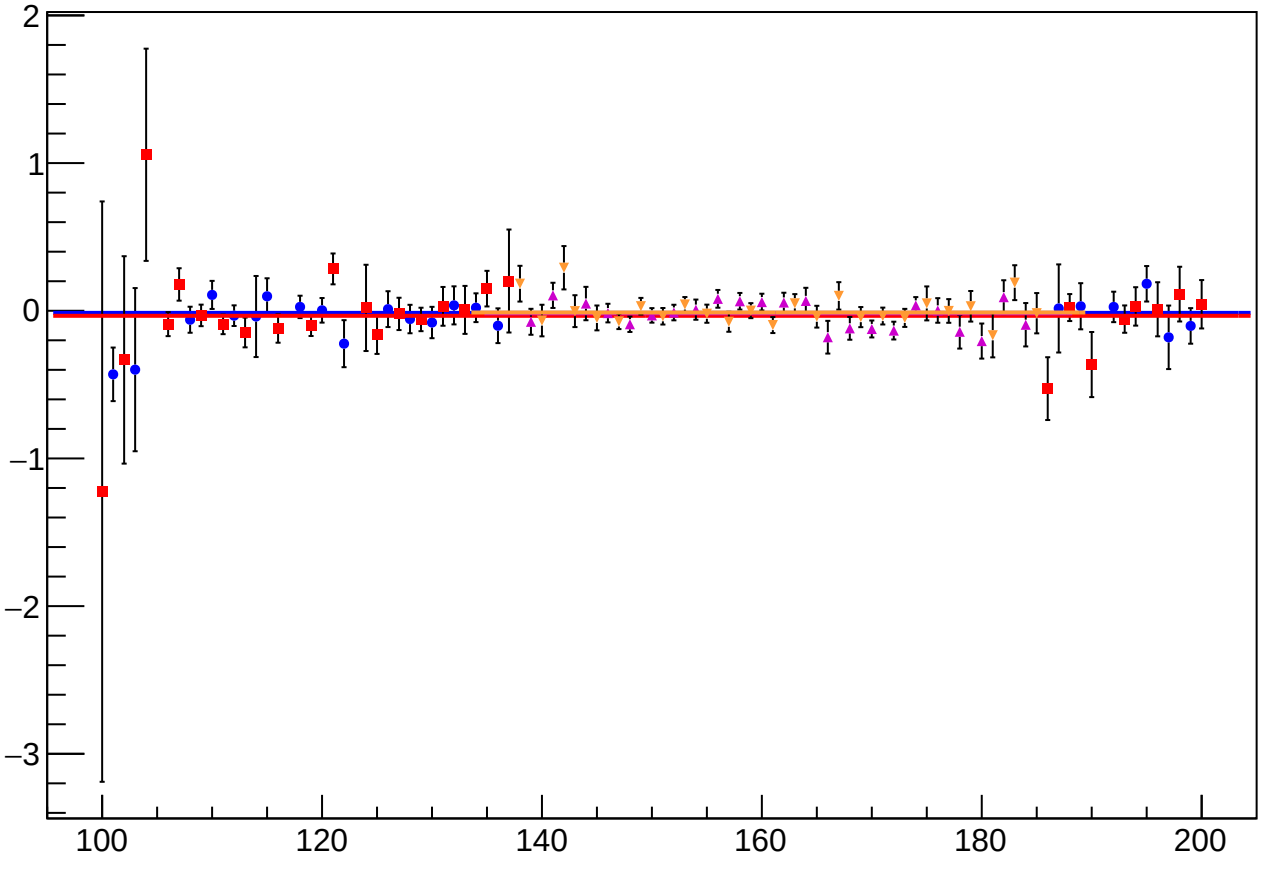
Right: 67.606+/-0.011 χ^2/NDF: 8110950.4/48

In: 59.968+/-0.009 χ^2/NDF:5749178.4/44

Out: 59.237+/-0.008 χ^2/NDF:7979466.2/51

All: 59.589+/-0.006 χ^2/NDF: 13732240.4/96

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

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

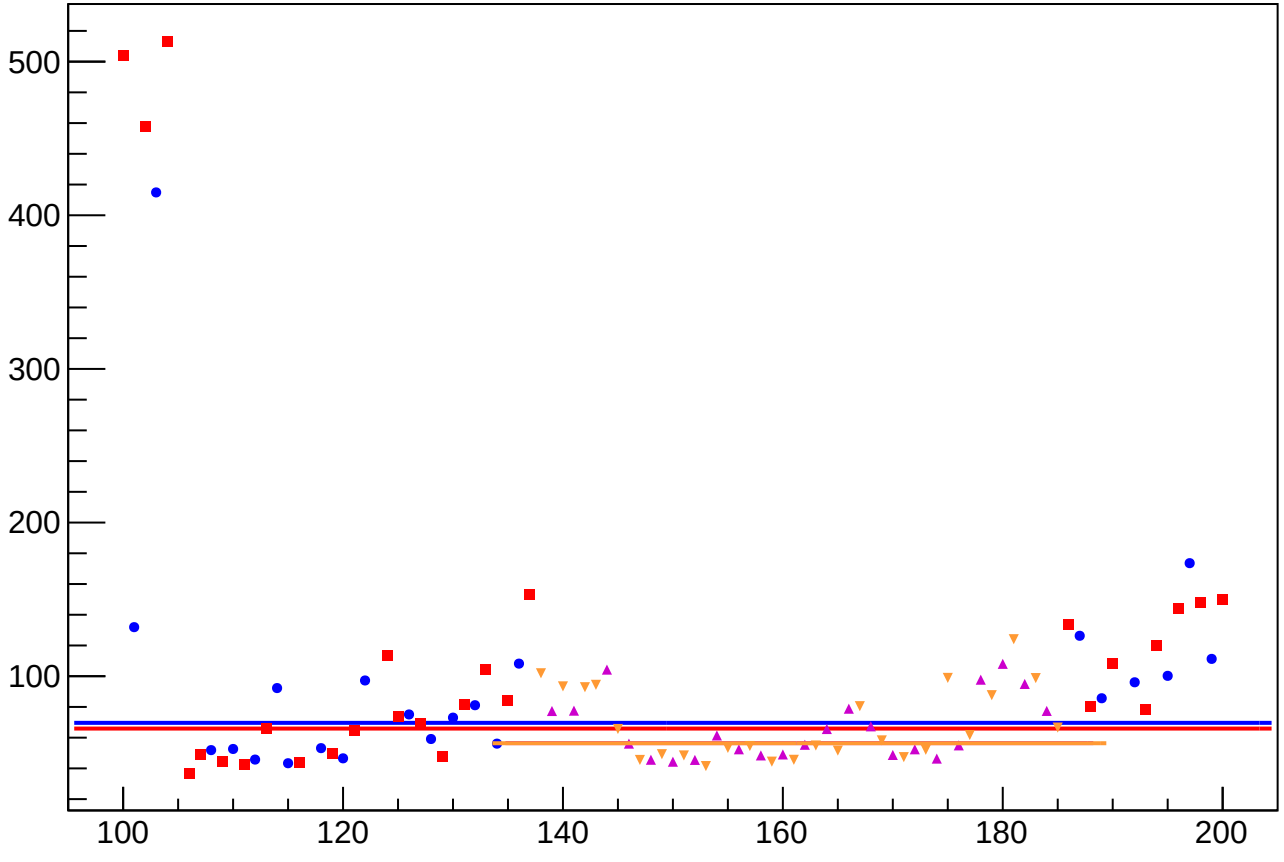
Right: -0.025+/-0.016 χ^2/NDF: 50.1/48

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.018+/-0.009 χ^2/NDF: 102.9/96

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

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

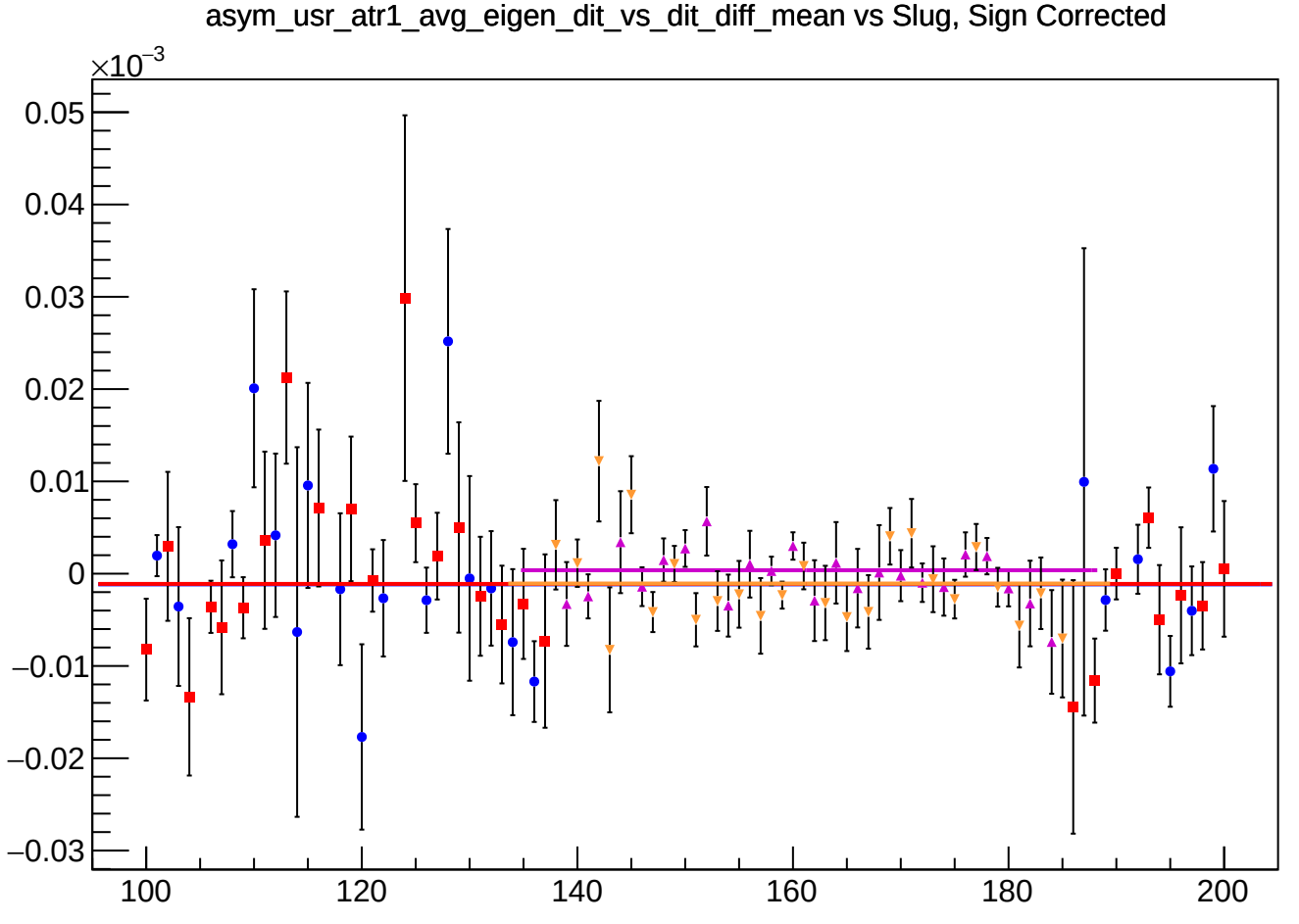
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 67.606+/-0.011 χ^2/NDF: 8110950.4/48

In: 59.968+/-0.009 χ^2/NDF:5749178.4/44

Out: 59.237+/-0.008 χ^2/NDF:7979466.2/51

All: 59.589+/-0.006 χ^2/NDF: 13732240.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

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

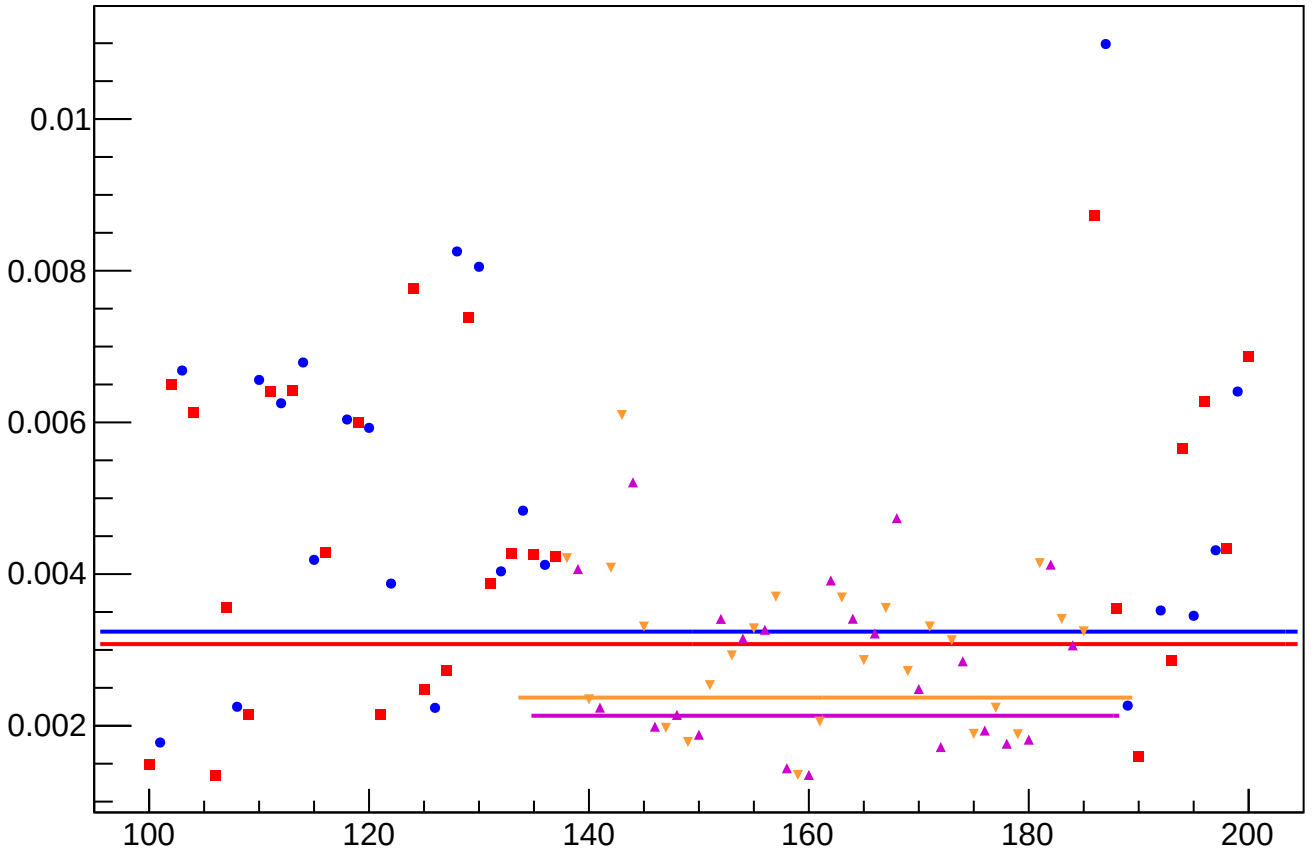
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.1/48

In: 0.000+/-0.000 χ^2/NDF:52.8/44

Out: -0.000+/-0.000 χ^2/NDF:64.0/51

All: -0.000+/-0.000 χ^2/NDF: 119.5/96



Right In: 0.003+/-0.000 χ^2/NDF: 4213066.9/21

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5690466.3/26

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

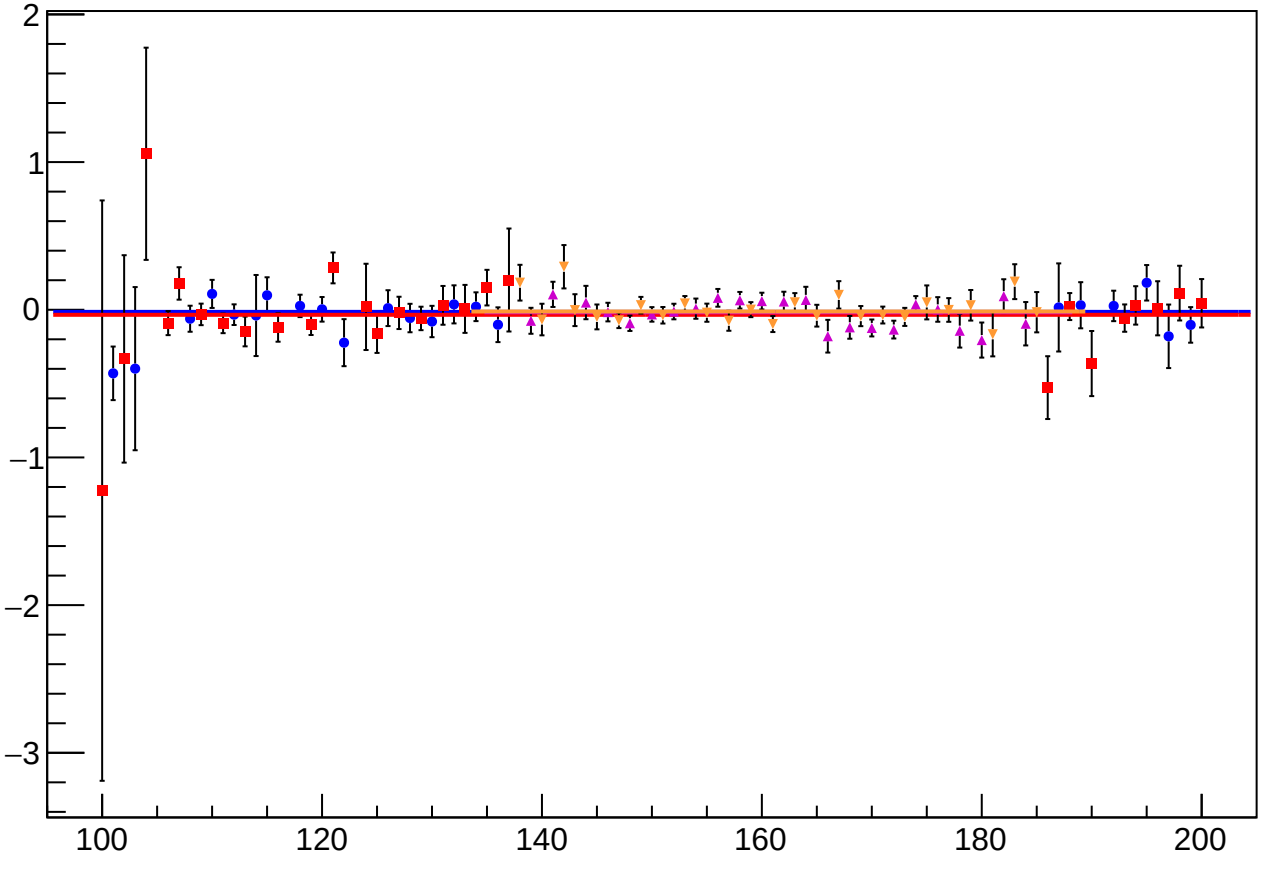
Right: 0.003+/-0.000 χ^2/NDF: 9928789.8/48

In: 0.002+/-0.000 χ^2/NDF:10429046.9/44

Out: 0.003+/-0.000 χ^2/NDF:10607337.6/51

All: 0.002+/-0.000 χ^2/NDF: 21201266.1/96

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

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

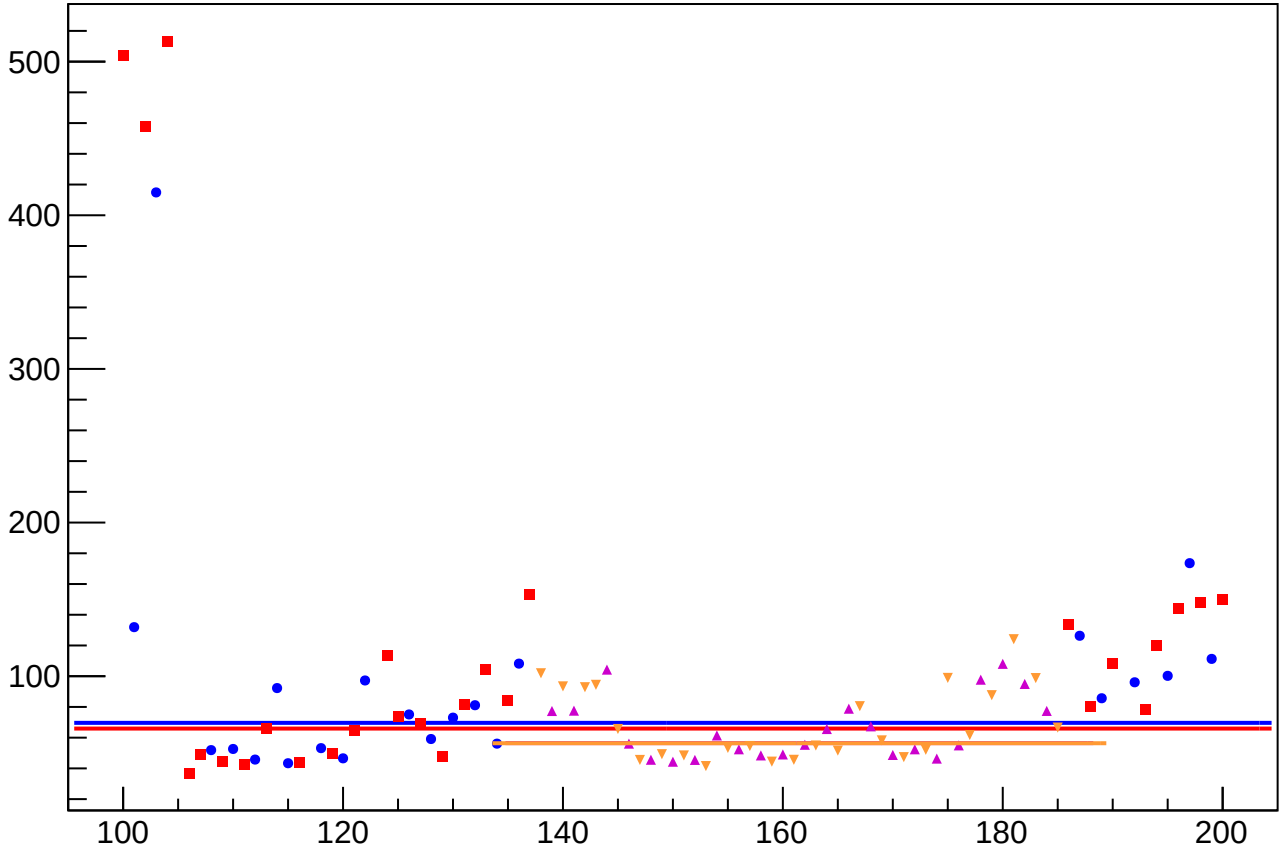
Right: -0.025+/-0.016 χ^2/NDF: 50.1/48

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.018+/-0.009 χ^2/NDF: 102.9/96

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

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

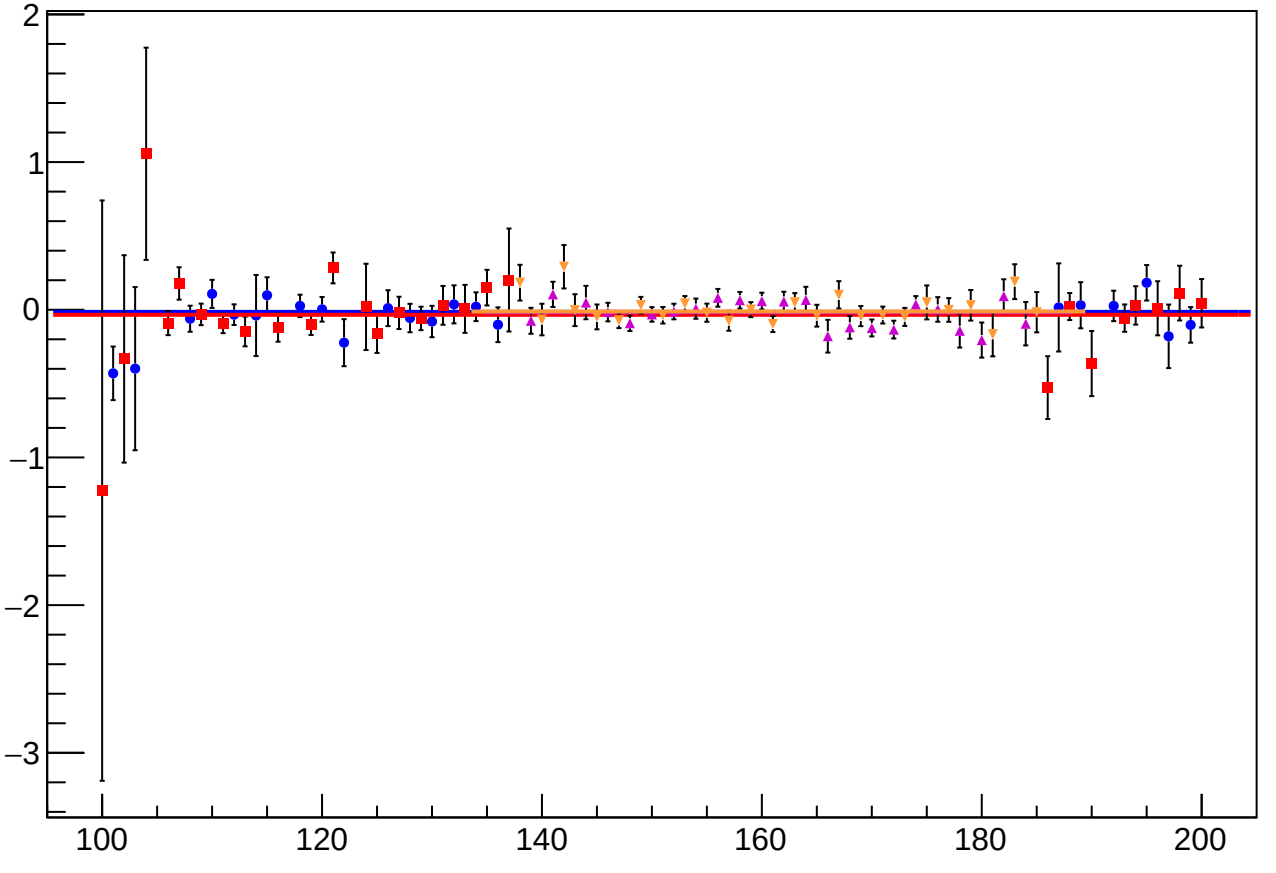
Right: 67.605+/-0.011 χ^2/NDF: 8110934.2/48

In: 59.968+/-0.009 χ^2/NDF:5749089.8/44

Out: 59.237+/-0.008 χ^2/NDF:7979491.9/51

All: 59.589+/-0.006 χ^2/NDF: 13732177.5/96

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

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

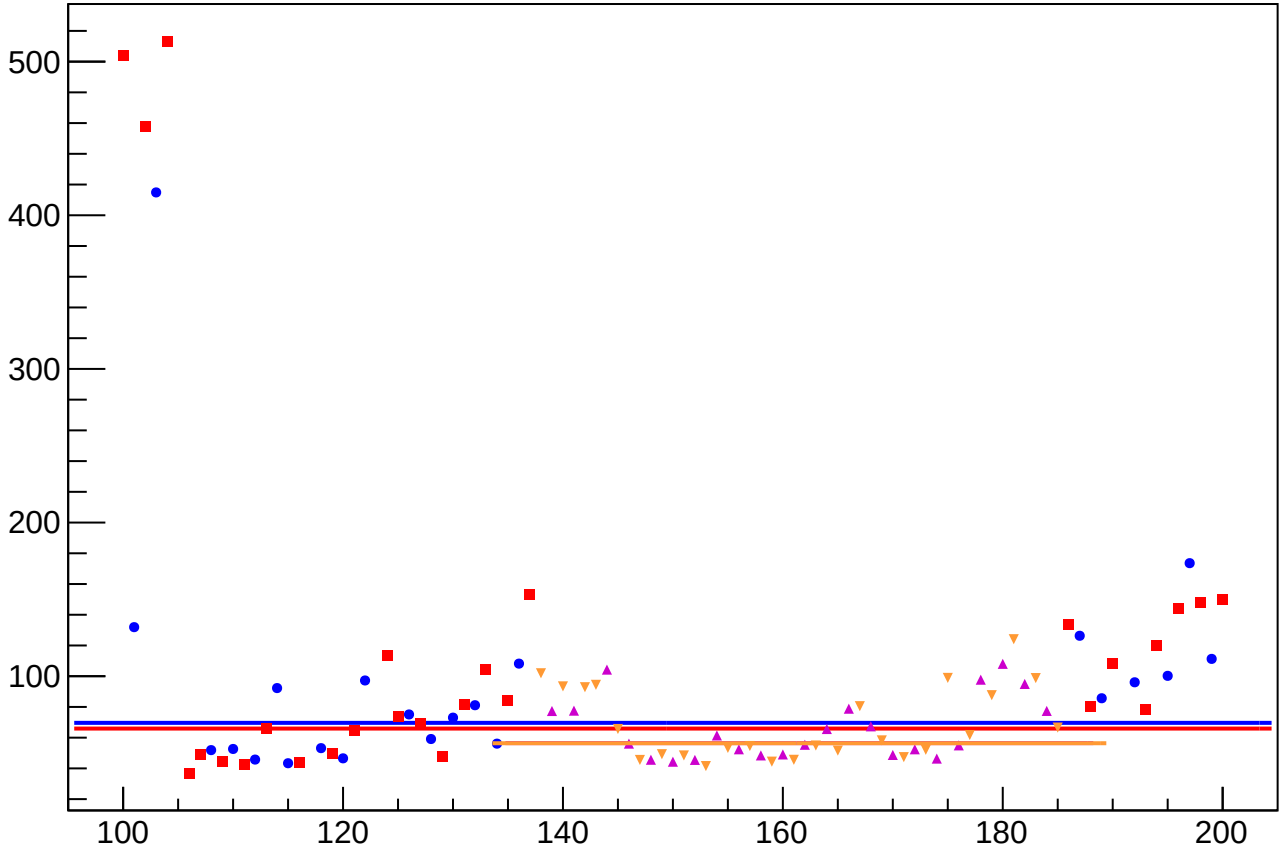
Right: -0.025+/-0.016 χ^2/NDF: 50.1/48

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.018+/-0.012 χ^2/NDF:56.1/51

All: -0.018+/-0.009 χ^2/NDF: 102.9/96

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

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

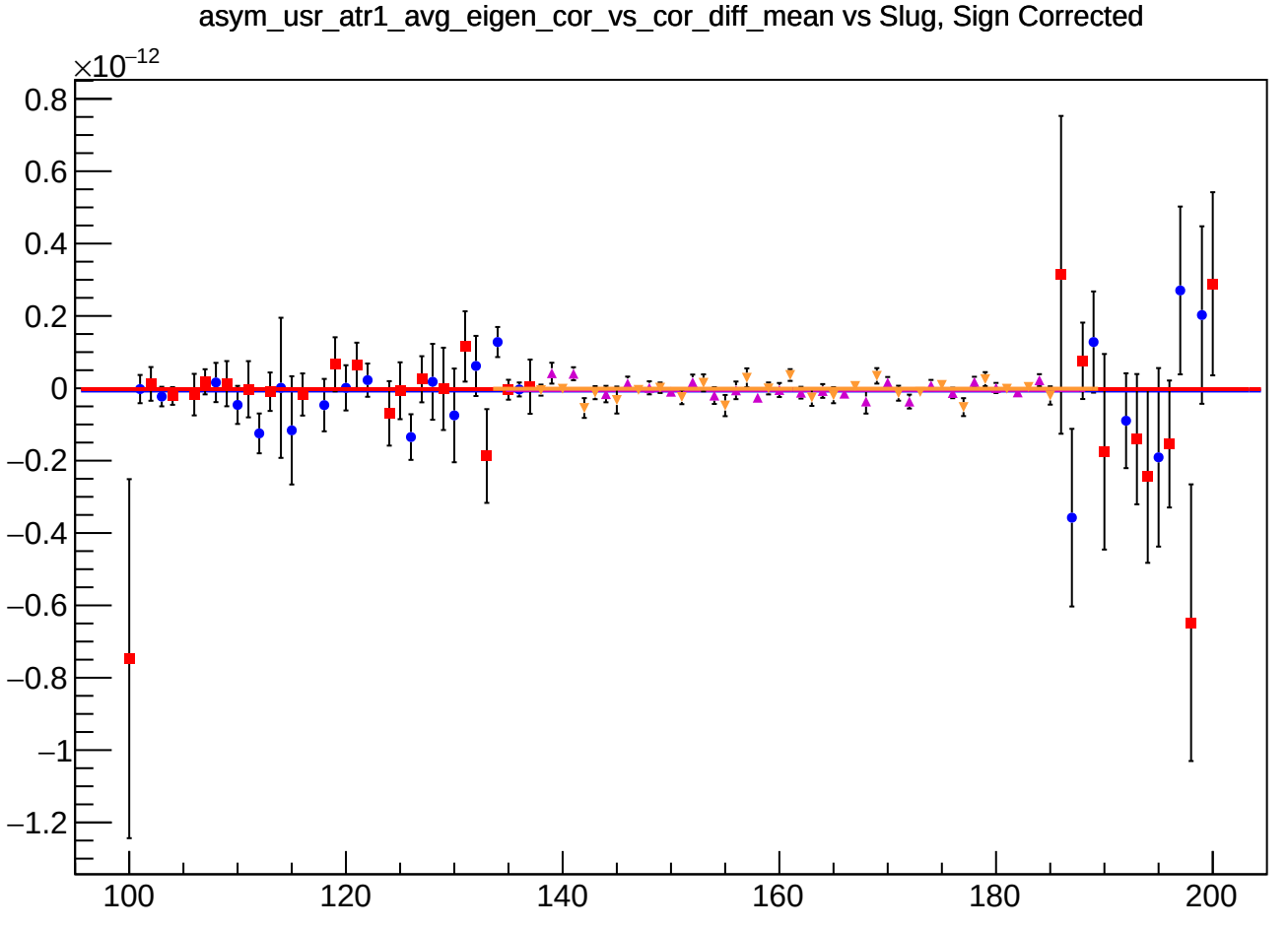
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

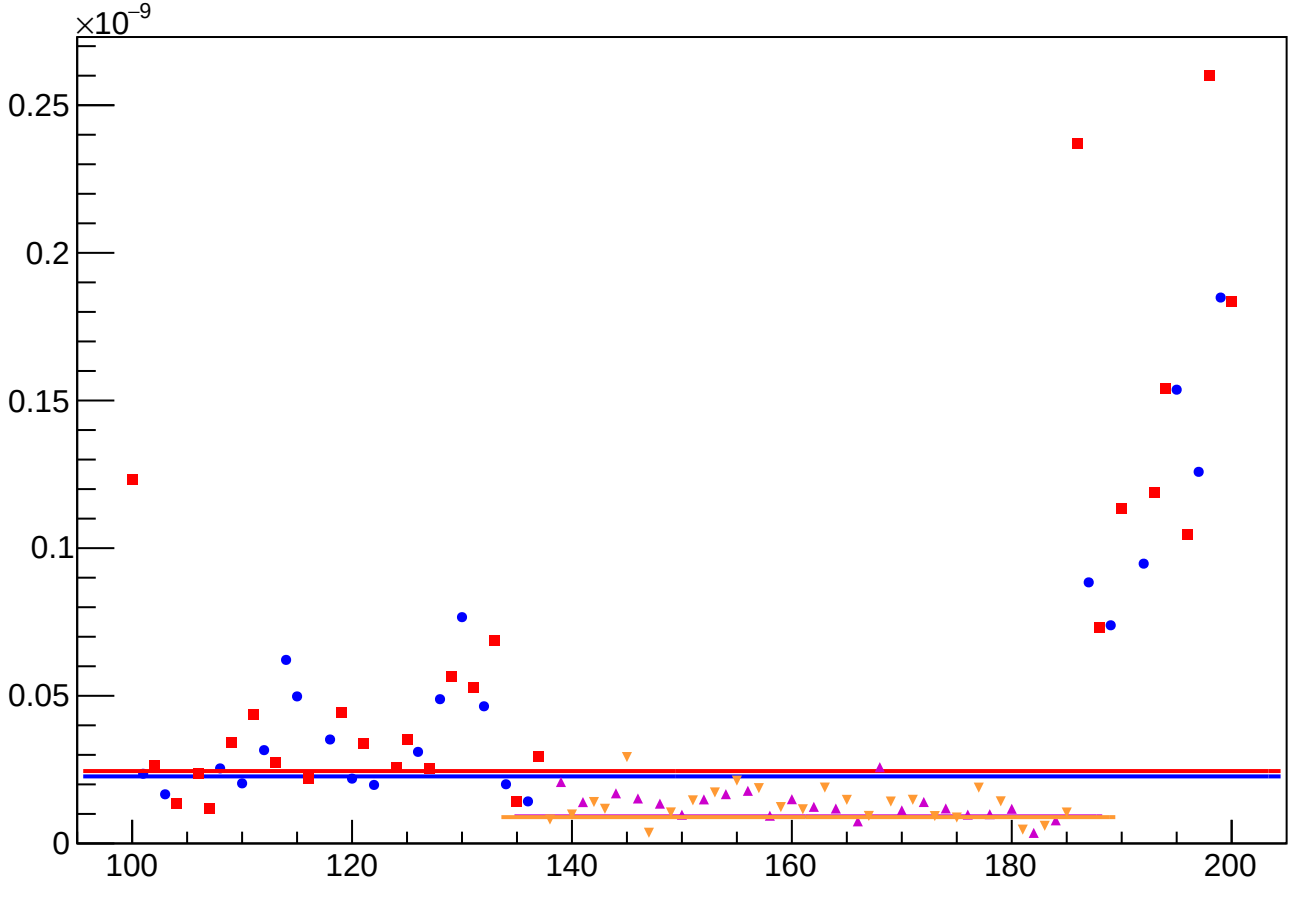
Right: 67.605+/-0.011 χ^2/NDF: 8110934.2/48

In: 59.968+/-0.009 χ^2/NDF:5749089.8/44

Out: 59.237+/-0.008 χ^2/NDF:7979491.9/51

All: 59.589+/-0.006 χ^2/NDF: 13732177.5/96


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.7/21
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.7/26
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 46.4/48
In: -0.000+/-0.000 χ²/NDF:57.1/44
Out: -0.000+/-0.000 χ²/NDF:47.3/51
All: -0.000+/-0.000 χ²/NDF: 105.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 4288217.7/21

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

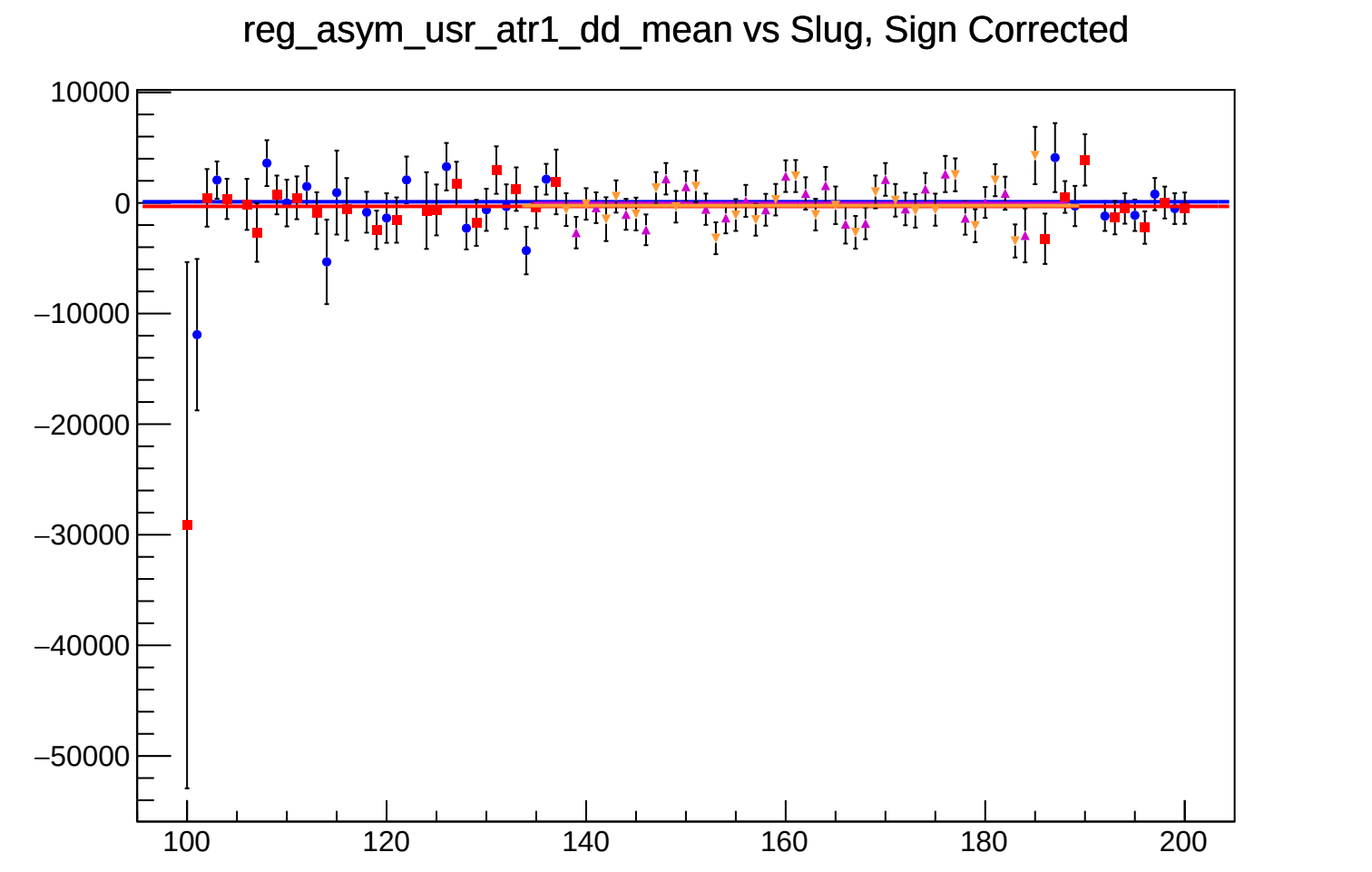
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

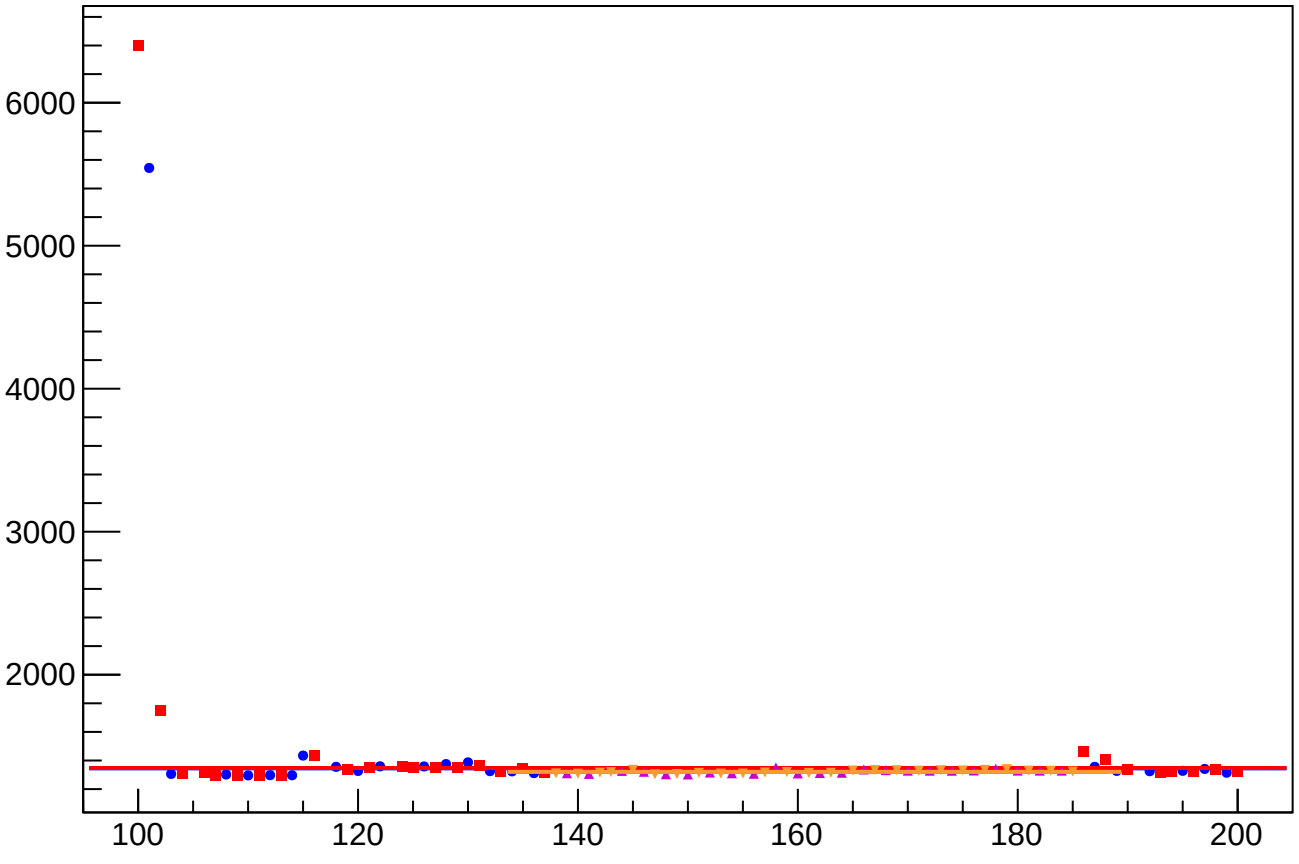
Right: 0.000+/-0.000 χ^2/NDF: 10526314.4/48

In: 0.000+/-0.000 χ^2/NDF:12104173.8/44

Out: 0.000+/-0.000 χ^2/NDF:14601303.7/51

All: 0.000+/-0.000 χ^2/NDF: 26714650.5/96


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 106.734+/-402.602 χ²/NDF: 25.6/21
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -310.740+/-371.092 χ²/NDF: 17.6/26
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: -118.978+/-272.862 χ²/NDF: 43.8/48
In: 14.863+/-244.936 χ²/NDF:52.8/44
Out: -268.488+/-233.302 χ²/NDF:49.4/51
All: -133.701+/-168.933 χ²/NDF: 102.9/96



Right In: 1345.220+/-0.285 χ^2/NDF: 763131.1/21

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

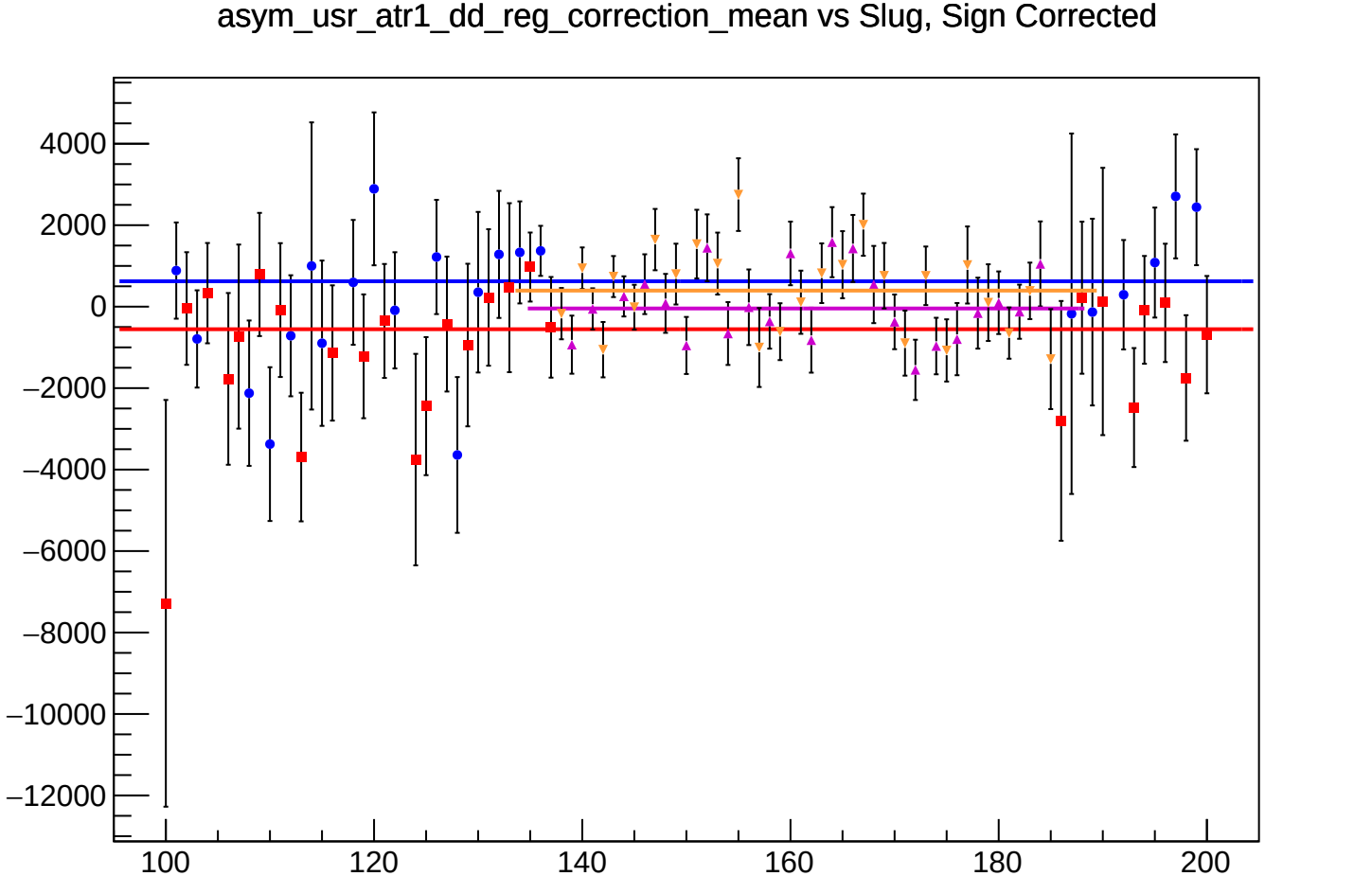
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1346.557+/-0.193 χ^2/NDF: 921733.8/48

In: 1330.457+/-0.173 χ^2/NDF:770953.4/44

Out: 1331.393+/-0.165 χ^2/NDF:167544.6/51

All: 1330.948+/-0.119 χ^2/NDF: 938513.4/96



Right In: 622.905+/-301.530 χ^2/NDF: 22.4/21

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

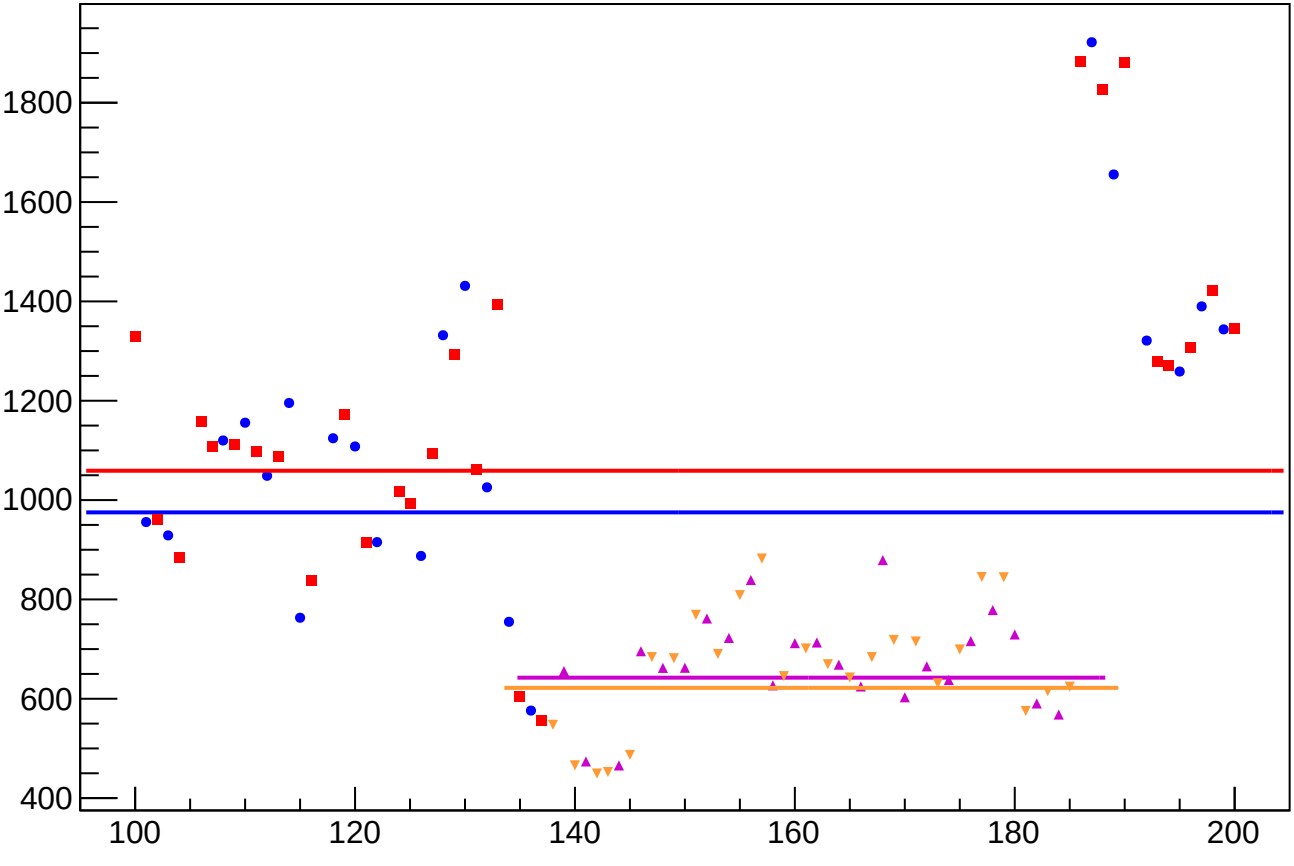
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 39.203+/-214.079 χ^2/NDF: 47.9/48

In: 90.983+/-135.966 χ^2/NDF:53.9/44

Out: 219.591+/-130.552 χ^2/NDF:67.7/51

All: 157.899+/-94.170 χ^2/NDF: 122.1/96



Right In: 975.221+/-0.213 χ^2/NDF: 1965758.2/21

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

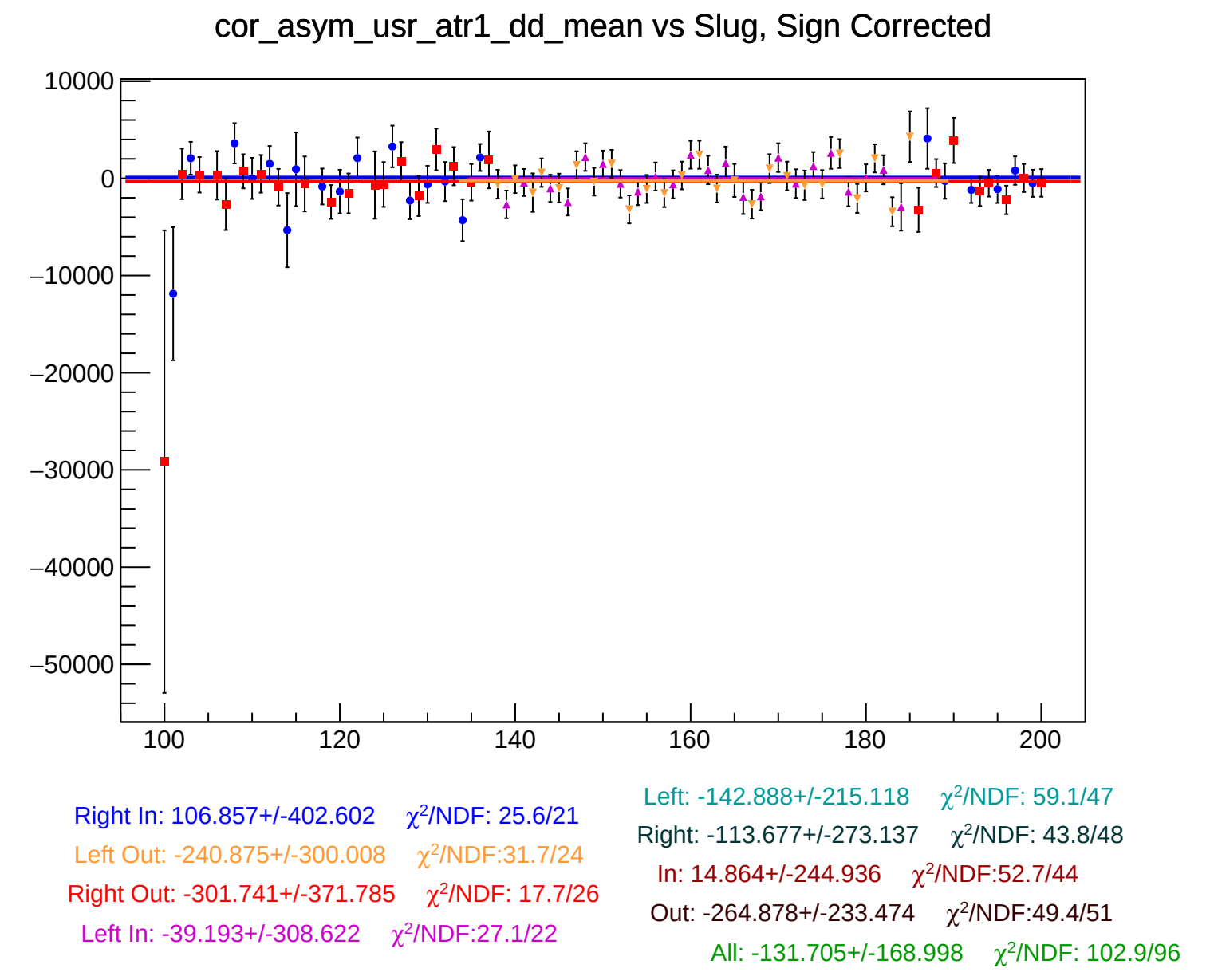
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

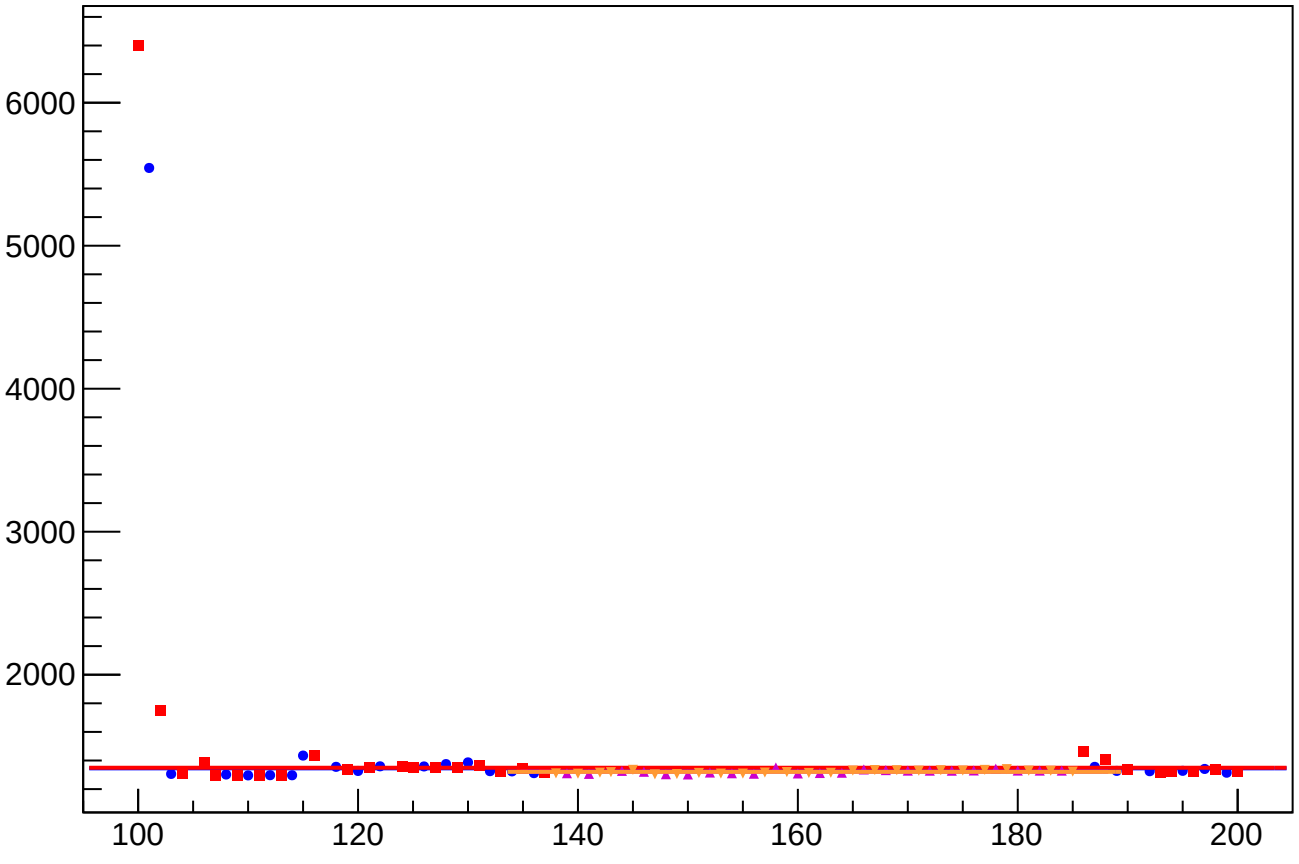
Right: 1016.818+/-0.151 χ^2/NDF: 4132510.3/48

In: 710.129+/-0.096 χ^2/NDF:4832469.7/44

Out: 702.575+/-0.092 χ^2/NDF:6846516.3/51

All: 706.199+/-0.067 χ^2/NDF: 11682197.5/96


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 106.857+/-402.602 χ²/NDF: 25.6/21
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -301.741+/-371.785 χ²/NDF: 17.7/26
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -113.677+/-273.137 χ²/NDF: 43.8/48
In: 14.864+/-244.936 χ²/NDF:52.7/44
Out: -264.878+/-233.474 χ²/NDF:49.4/51
All: -131.705+/-168.998 χ²/NDF: 102.9/96



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

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

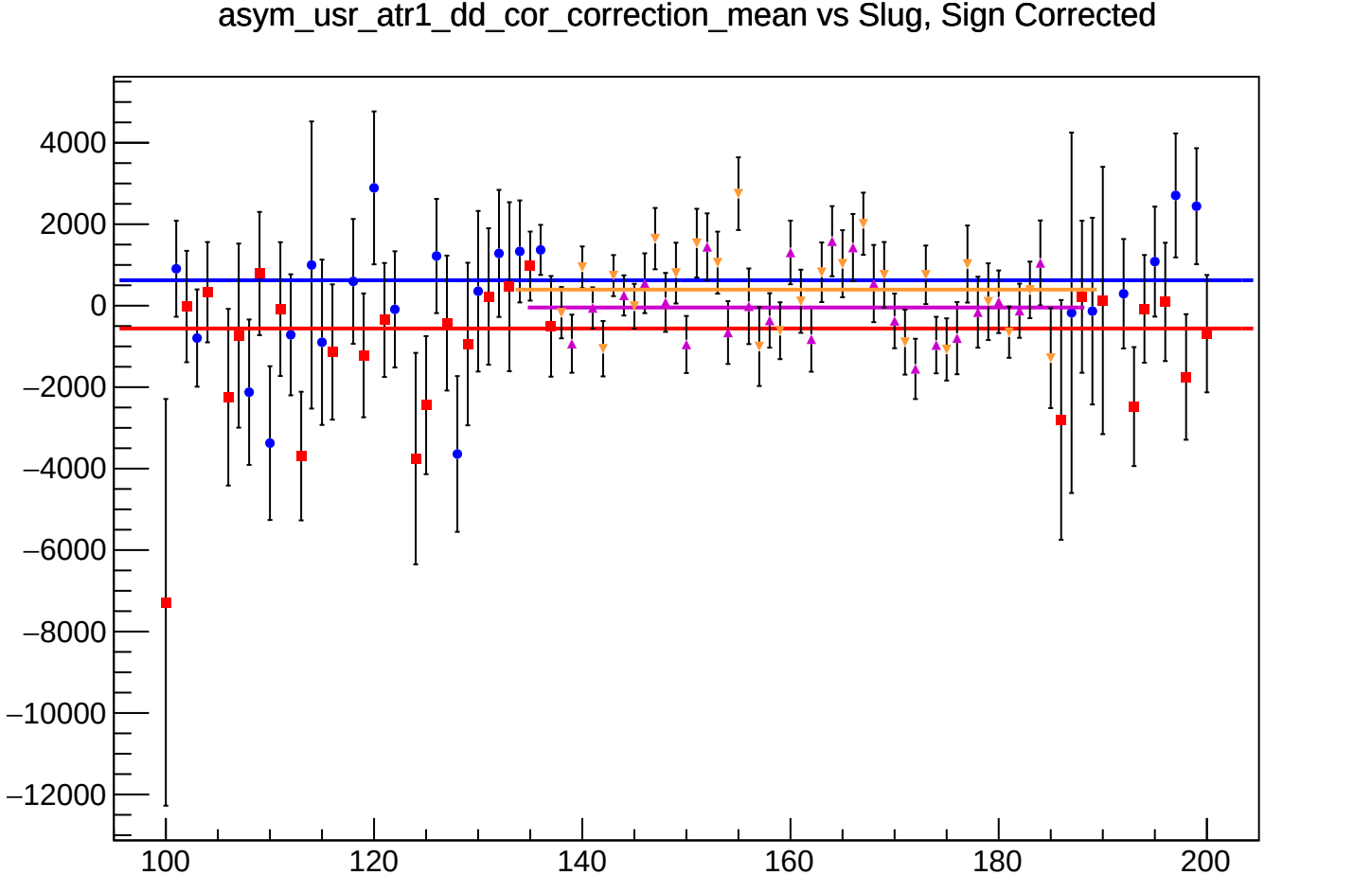
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1347.470+/-0.193 χ^2/NDF: 921966.6/48

In: 1330.457+/-0.173 χ^2/NDF:770952.5/44

Out: 1332.038+/-0.165 χ^2/NDF:168515.2/51

All: 1331.286+/-0.119 χ^2/NDF: 939511.3/96



Right In: 624.239+/-301.489 χ^2/NDF: 22.4/21

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

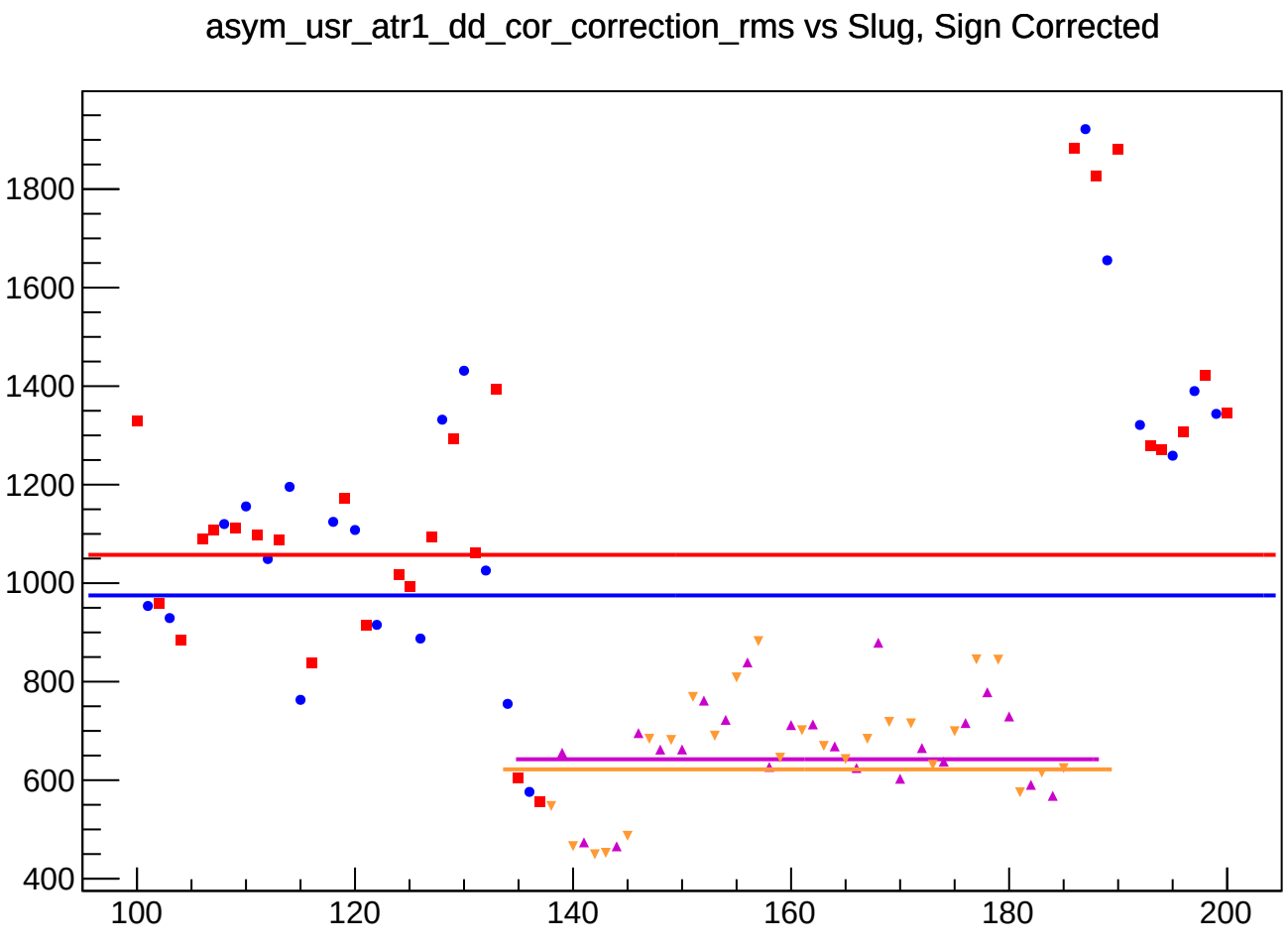
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 36.889+/-214.065 χ^2/NDF: 48.3/48

In: 91.291+/-135.962 χ^2/NDF:53.9/44

Out: 218.430+/-130.552 χ^2/NDF:68.1/51

All: 157.440+/-94.169 χ^2/NDF: 122.5/96



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

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

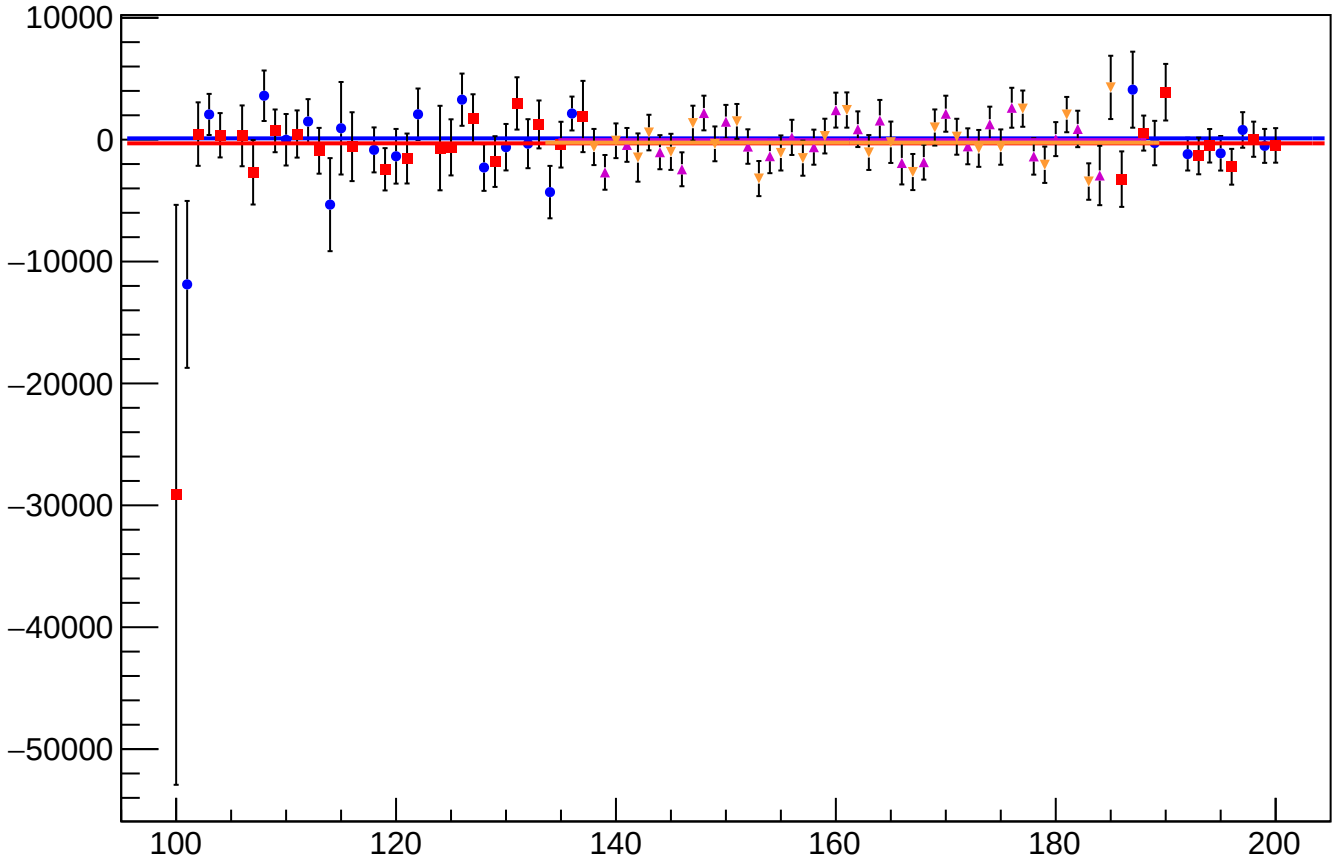
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1015.941+/-0.151 χ^2/NDF: 4126433.1/48

In: 710.113+/-0.096 χ^2/NDF:4831546.4/44

Out: 702.274+/-0.092 χ^2/NDF:6817891.1/51

All: 706.034+/-0.067 χ^2/NDF: 11652896.3/96



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

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

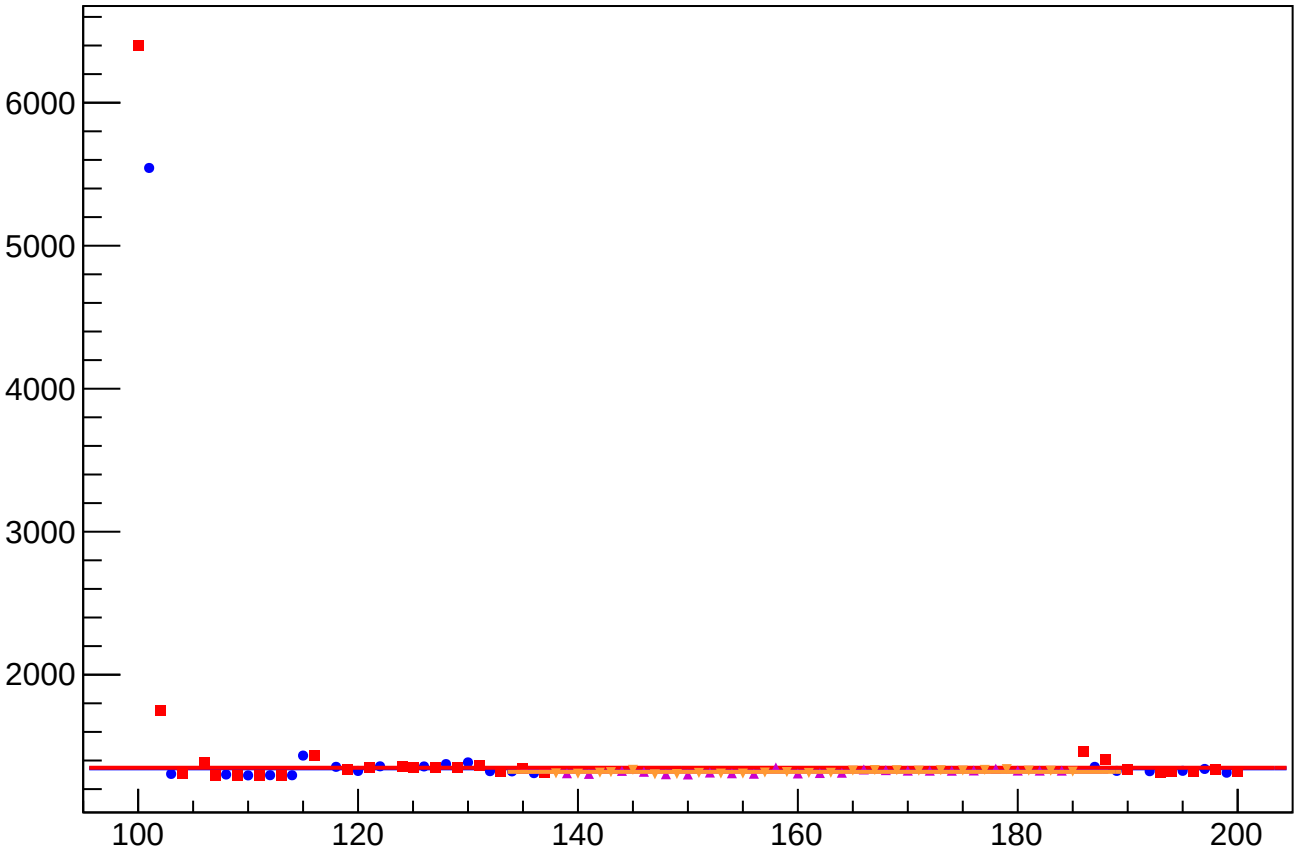
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -113.677+/-273.137 χ^2/NDF: 43.8/48

In: 14.864+/-244.936 χ^2/NDF:52.7/44

Out: -264.878+/-233.474 χ^2/NDF:49.4/51

All: -131.705+/-168.998 χ^2/NDF: 102.9/96



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

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

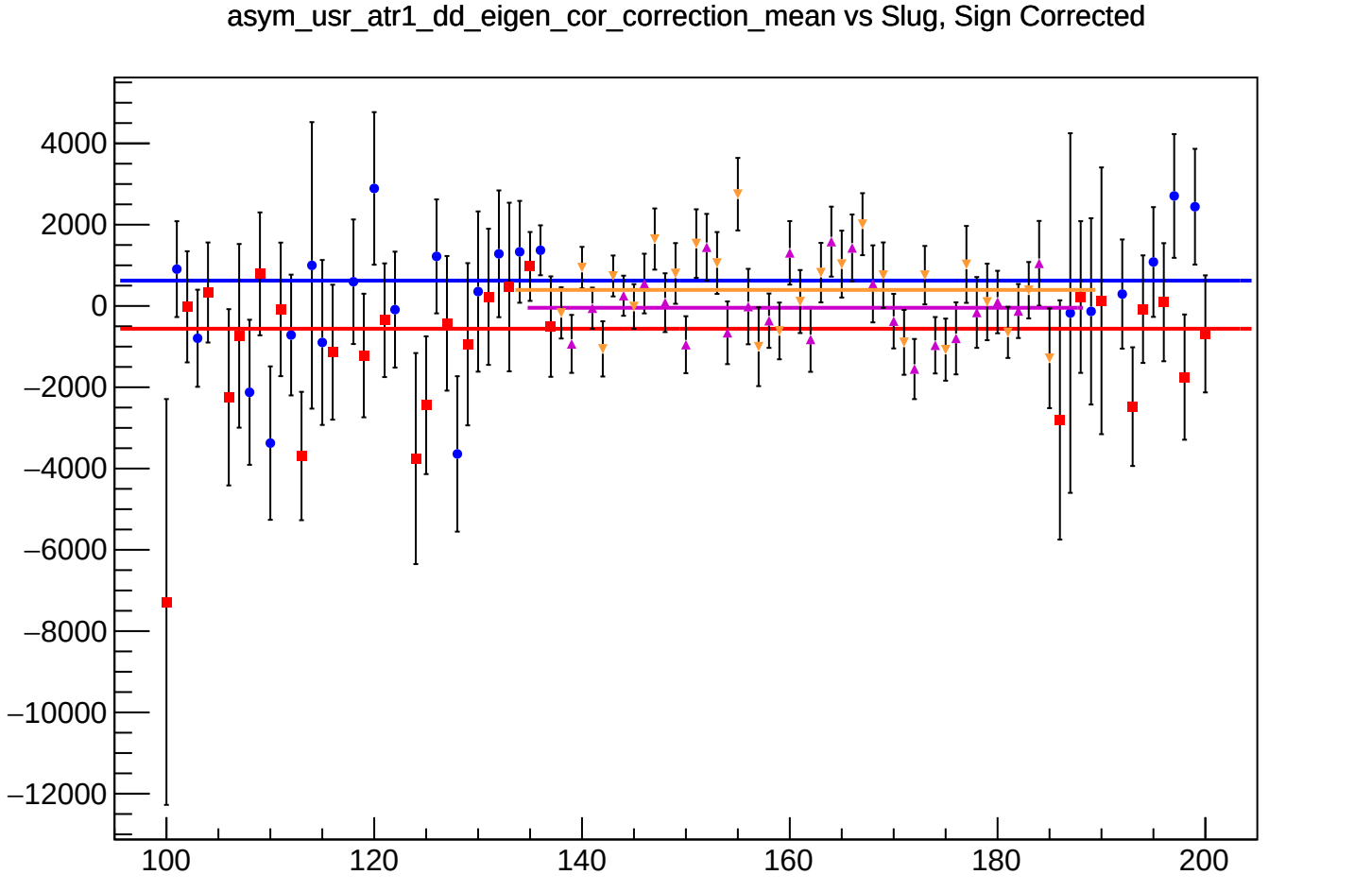
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1347.470+/-0.193 χ^2/NDF: 921966.6/48

In: 1330.457+/-0.173 χ^2/NDF:770952.5/44

Out: 1332.038+/-0.165 χ^2/NDF:168515.2/51

All: 1331.286+/-0.119 χ^2/NDF: 939511.3/96


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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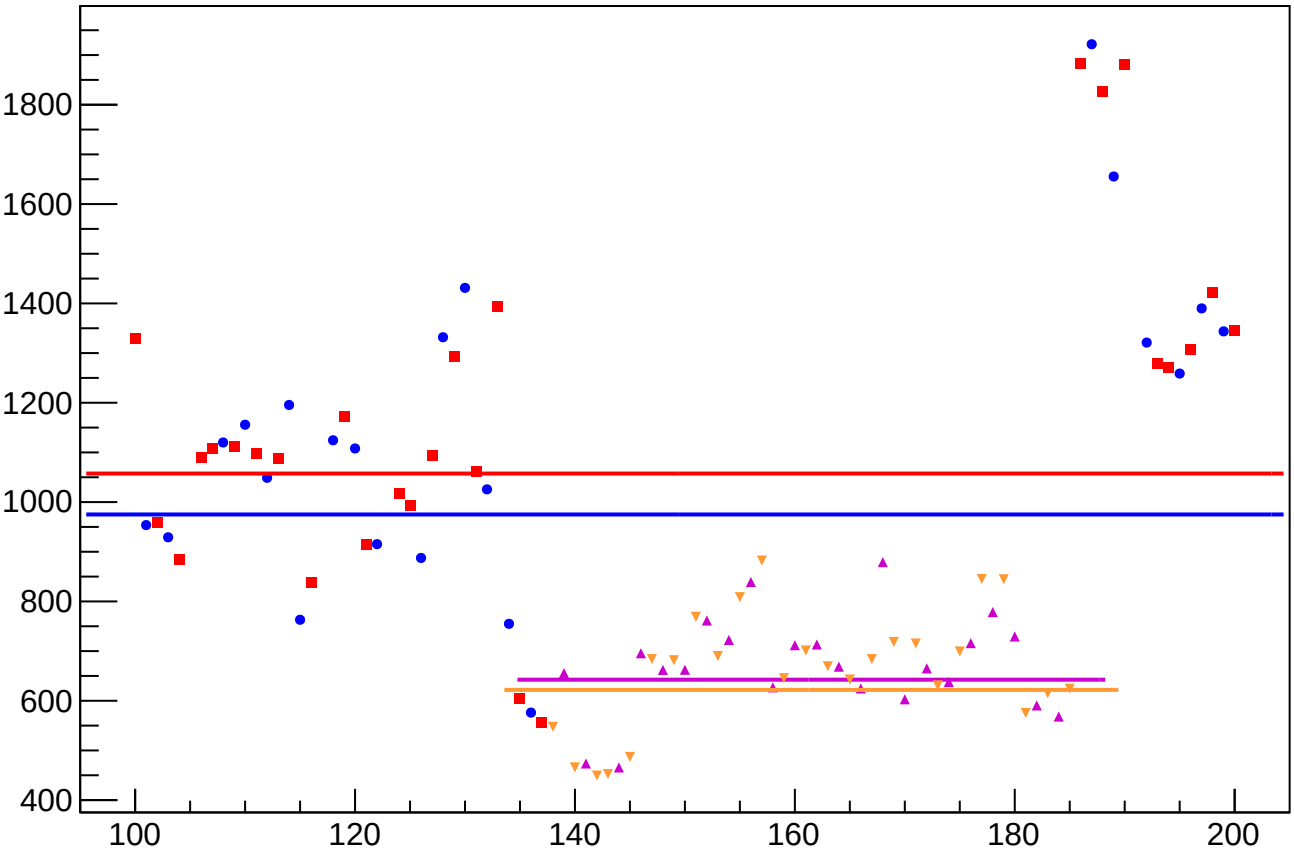
Right In: 624.239+/-301.489 χ²/NDF: 22.4/21
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -560.261+/-303.994 χ²/NDF: 18.2/26
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 36.889+/-214.065 χ²/NDF: 48.3/48
In: 91.291+/-135.962 χ²/NDF:53.9/44
Out: 218.430+/-130.552 χ²/NDF:68.1/51
All: 157.440+/-94.169 χ²/NDF: 122.5/96



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

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

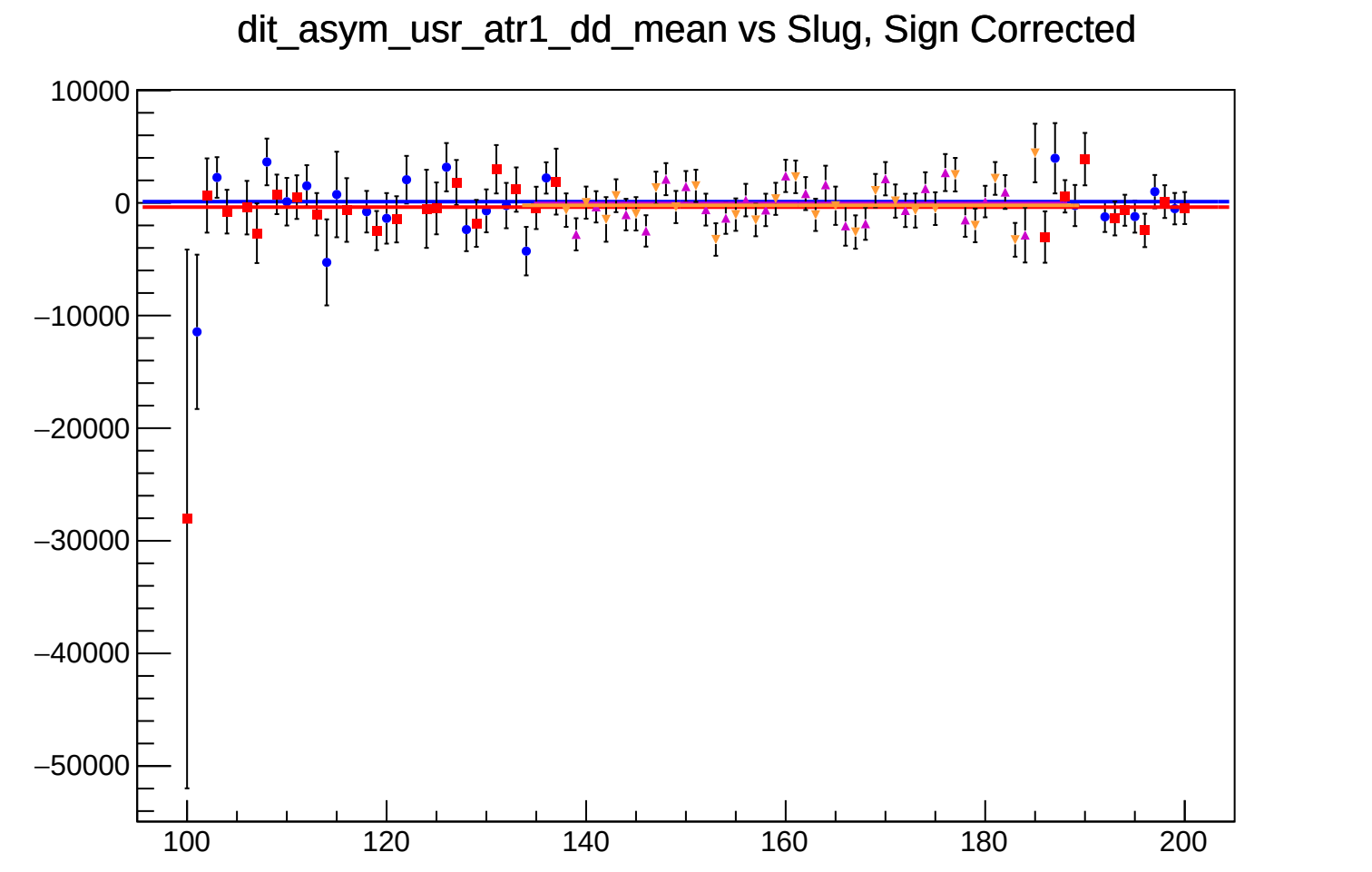
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1015.941+/-0.151 χ^2/NDF: 4126433.1/48

In: 710.113+/-0.096 χ^2/NDF:4831546.4/44

Out: 702.274+/-0.092 χ^2/NDF:6817891.1/51

All: 706.034+/-0.067 χ^2/NDF: 11652896.3/96



Right In: 112.218+/-404.916 χ^2/NDF: 25.7/21

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

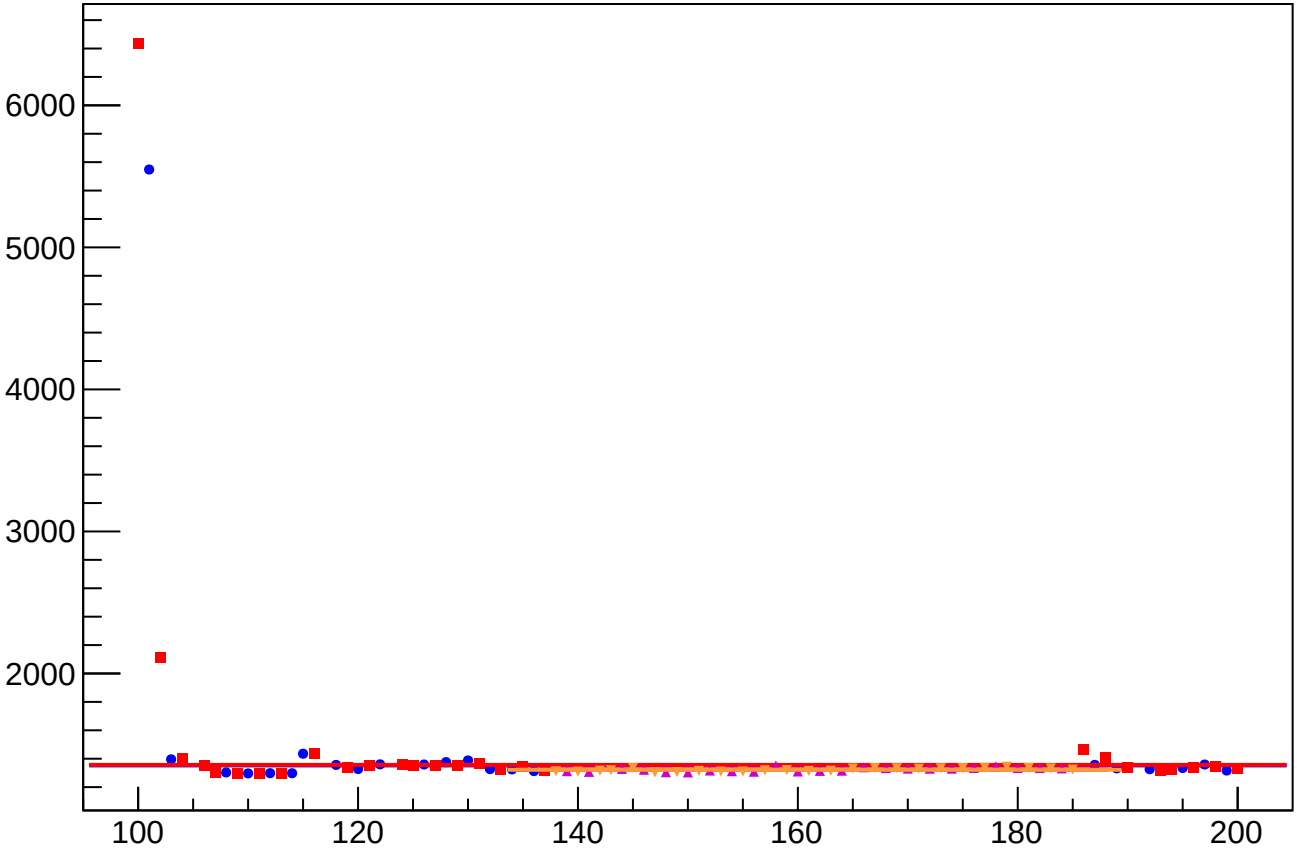
Right: -149.746+/-274.943 χ^2/NDF: 44.2/48

In: 9.544+/-245.638 χ^2/NDF:53.6/44

Out: -277.204+/-234.323 χ^2/NDF:49.2/51

All: -140.586+/-169.550 χ^2/NDF: 103.5/96

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

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

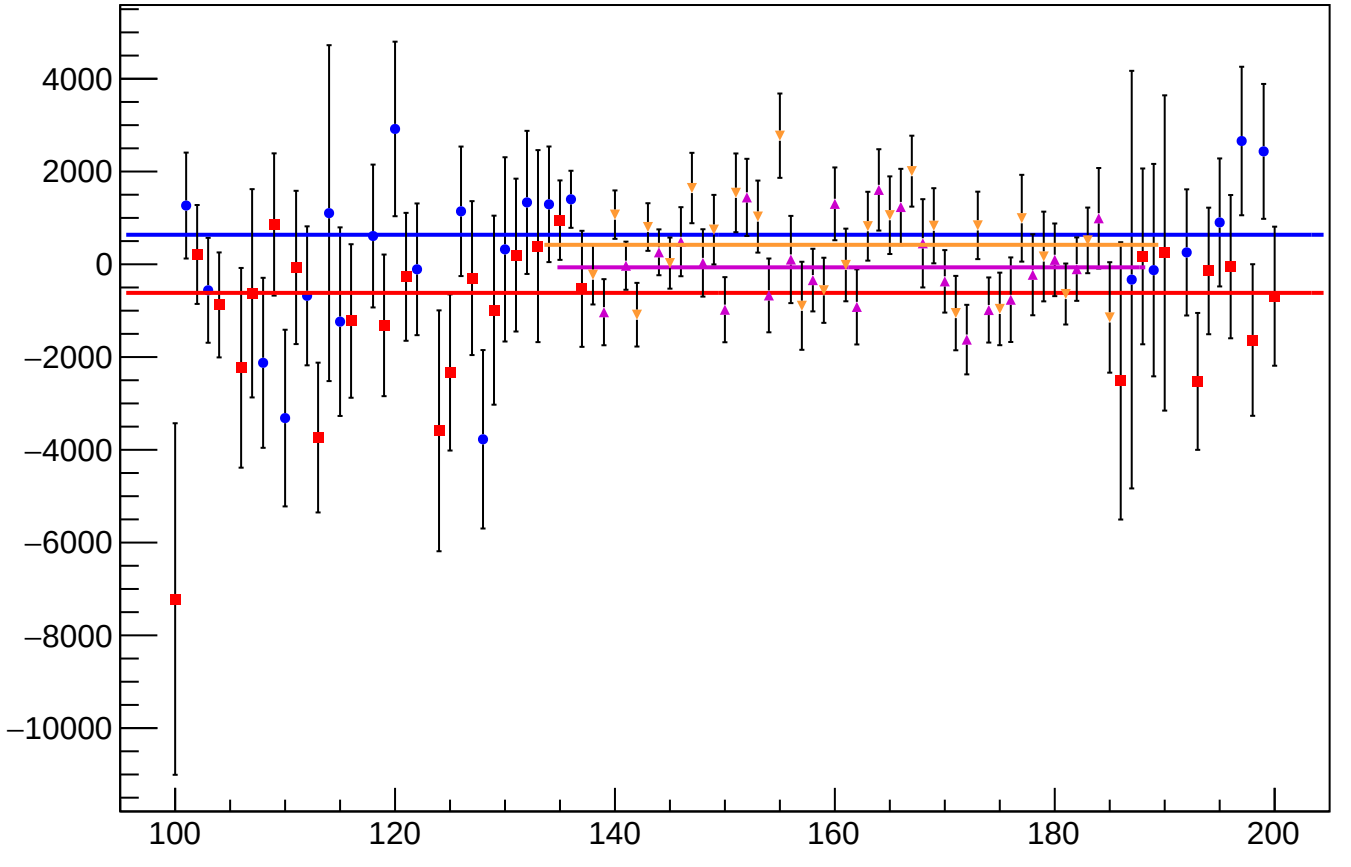
Right: 1354.776+/-0.194 χ^2/NDF: 979425.1/48

In: 1334.227+/-0.174 χ^2/NDF:773454.2/44

Out: 1335.674+/-0.166 χ^2/NDF:229456.0/51

All: 1334.985+/-0.120 χ^2/NDF: 1002946.6/96

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 636.647+/-301.520 χ^2/NDF: 22.2/21

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

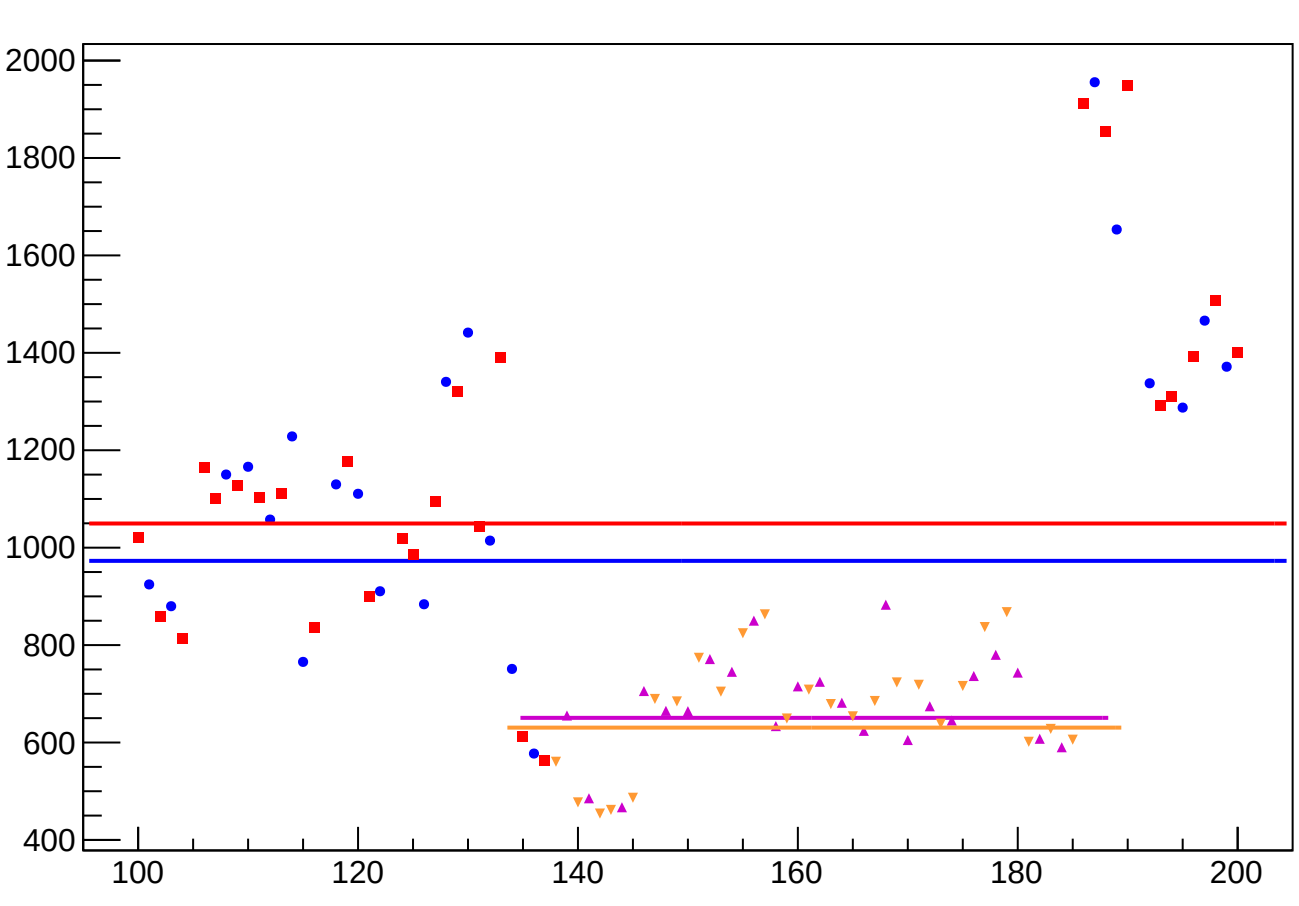
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 8.432+/-212.915 χ^2/NDF: 49.5/48

In: 80.179+/-137.306 χ^2/NDF:53.6/44

Out: 221.253+/-131.654 χ^2/NDF:69.8/51

All: 153.679+/-95.029 χ^2/NDF: 123.9/96



Right In: 972.923+/-0.213 χ^2/NDF: 2073134.7/21

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

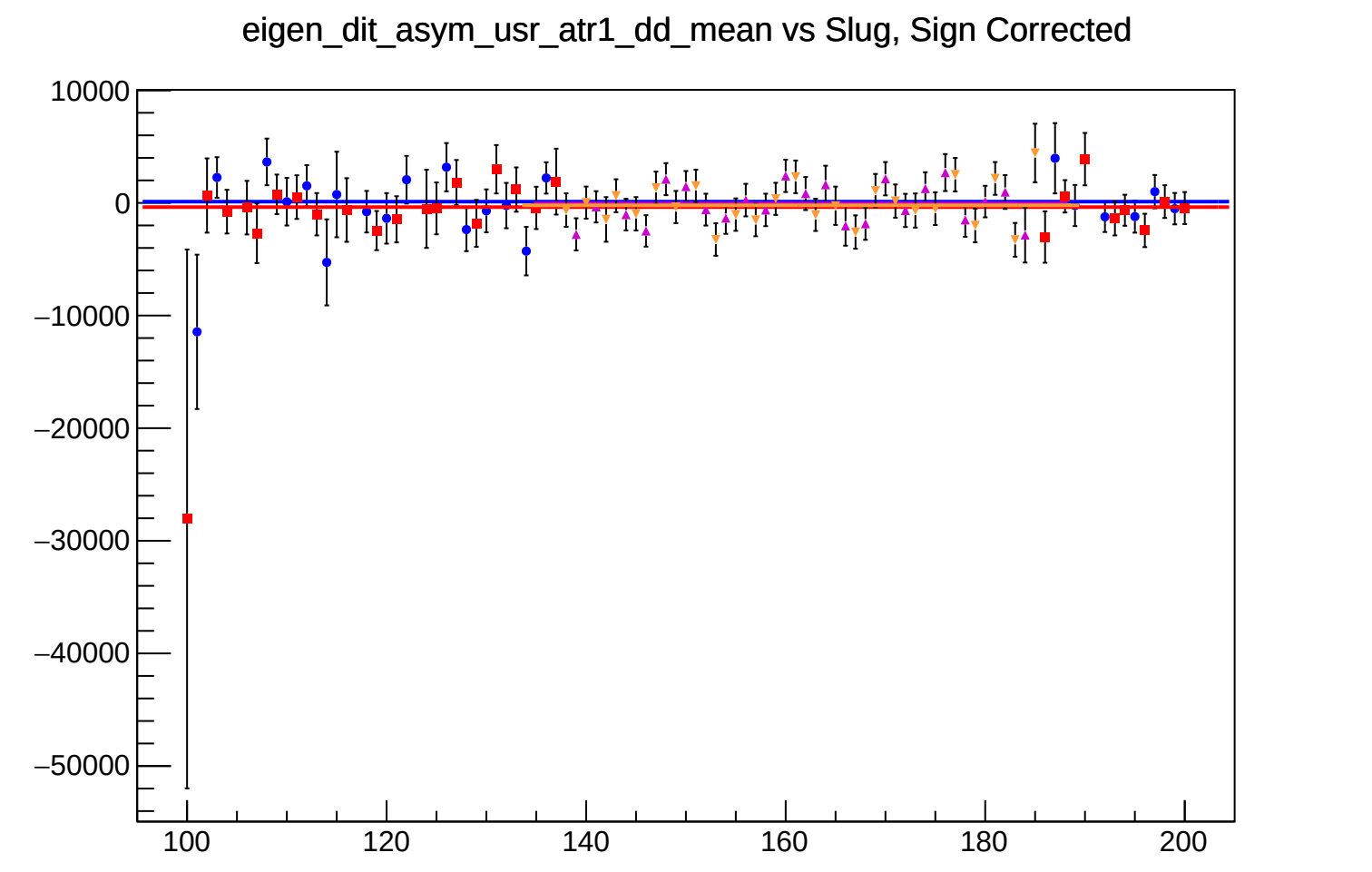
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1011.375+/-0.151 χ^2/NDF: 4456518.2/48

In: 717.469+/-0.097 χ^2/NDF:4806349.5/44

Out: 710.917+/-0.093 χ^2/NDF:6786380.5/51

All: 714.056+/-0.067 χ^2/NDF: 11595102.2/96



Right In: 112.217+/-404.916 χ^2/NDF: 25.7/21

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

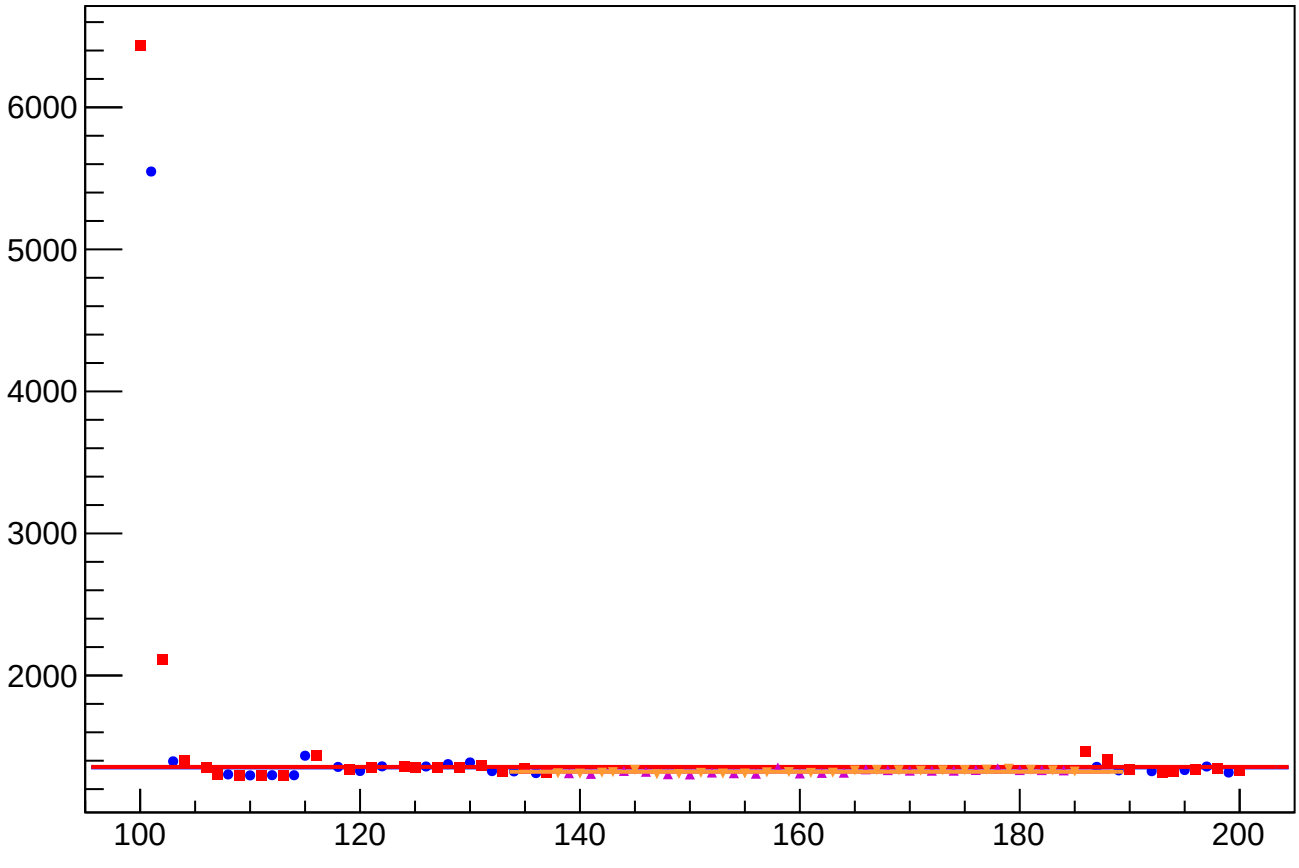
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -149.745+/-274.943 χ^2/NDF: 44.2/48

In: 9.543+/-245.638 χ^2/NDF:53.6/44

Out: -277.205+/-234.323 χ^2/NDF:49.2/51

All: -140.587+/-169.550 χ^2/NDF: 103.5/96



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

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

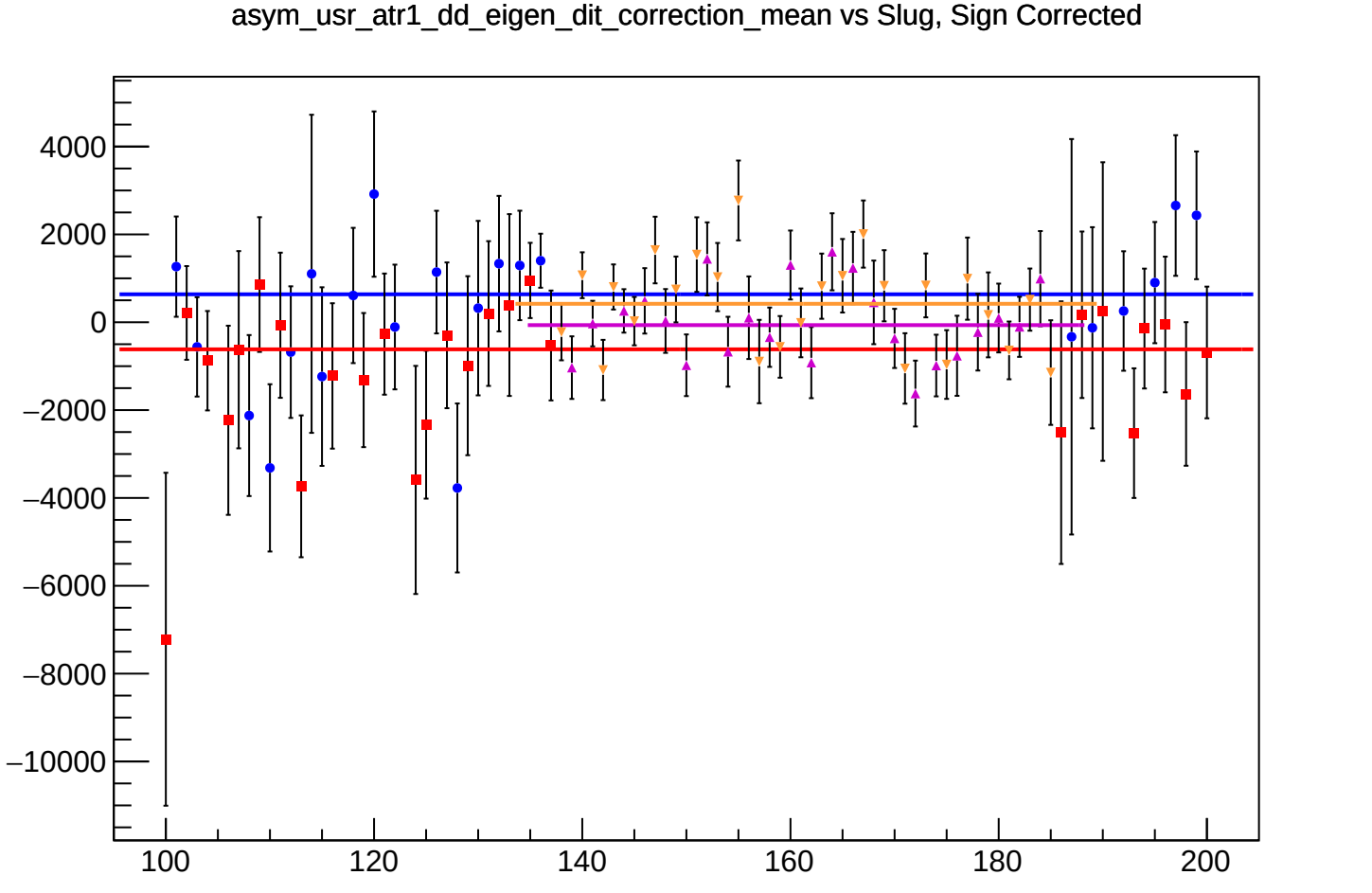
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1354.776+/-0.194 χ^2/NDF: 979425.0/48

In: 1334.227+/-0.174 χ^2/NDF:773454.1/44

Out: 1335.674+/-0.166 χ^2/NDF:229455.9/51

All: 1334.985+/-0.120 χ^2/NDF: 1002946.5/96


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
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−2000
−4000
−6000
−8000
−10000
100
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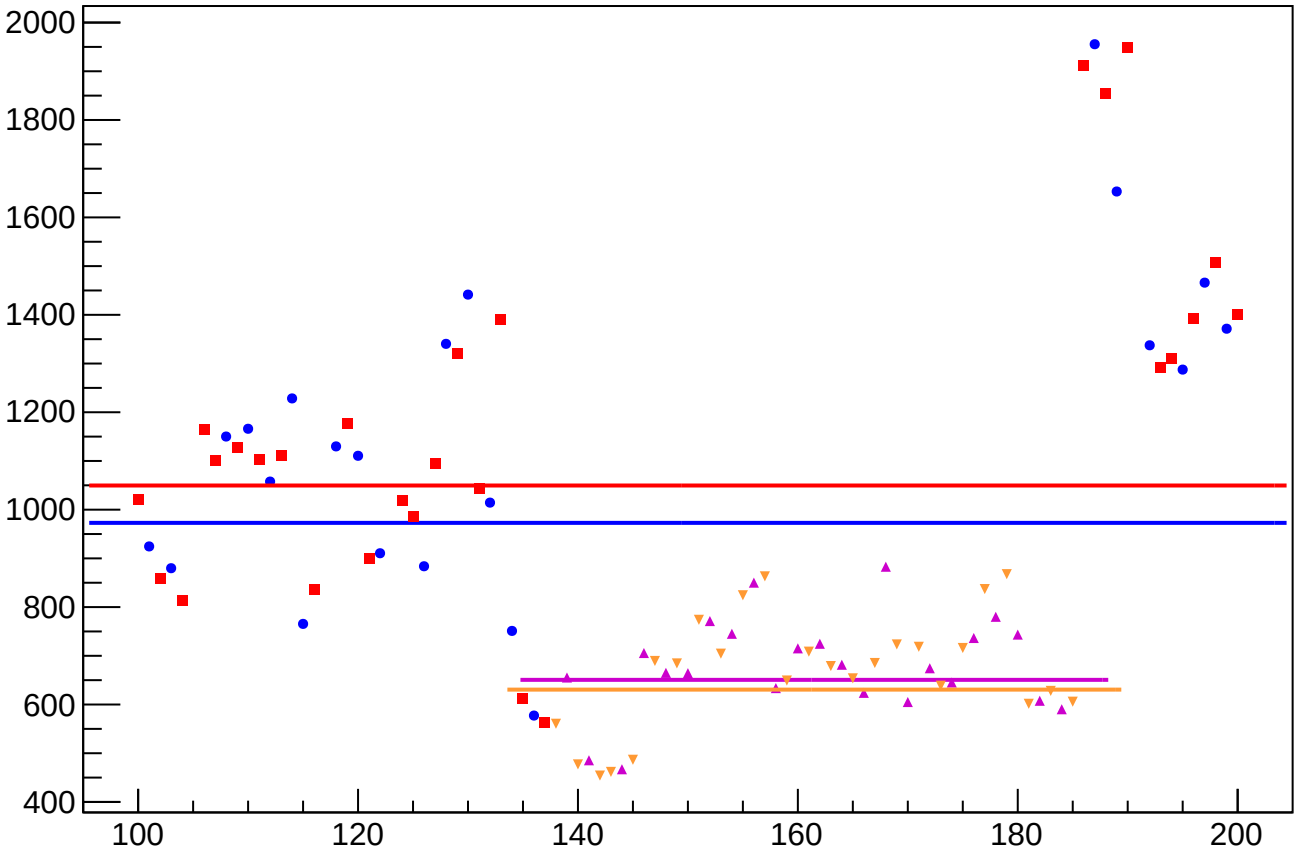
160
180
200
Right In: 636.644+/-301.520 χ²/NDF: 22.2/21
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -616.352+/-300.695 χ²/NDF: 18.6/26
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 8.431+/-212.915 χ²/NDF: 49.5/48
In: 80.179+/-137.306 χ²/NDF:53.6/44
Out: 221.252+/-131.654 χ²/NDF:69.8/51
All: 153.679+/-95.029 χ²/NDF: 123.9/96


asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2000
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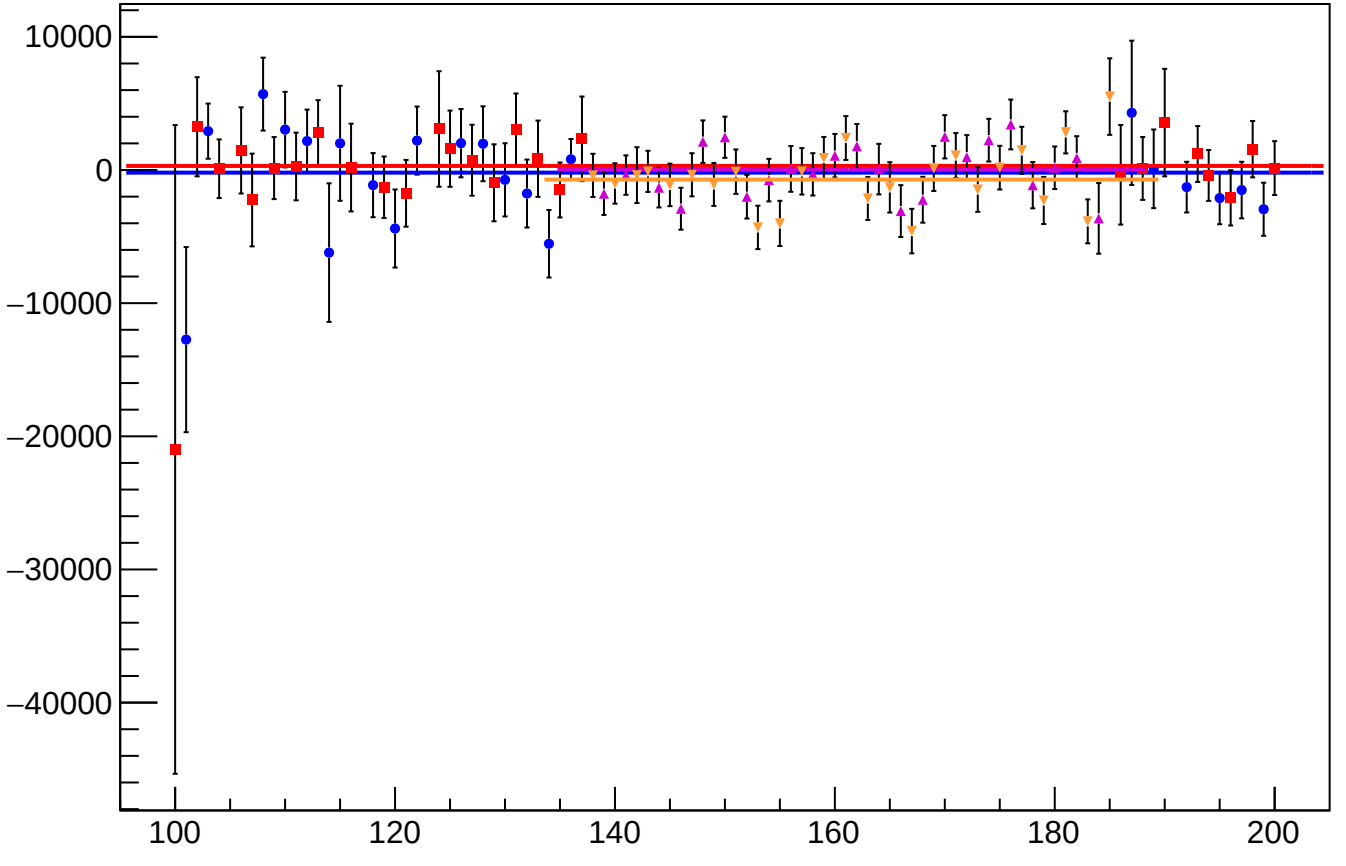
160
180
200
Right In: 972.921+/-0.213 χ²/NDF: 2073139.9/21
Left Out: 630.592+/-0.104 χ²/NDF:1328610.2/24
Right Out: 1049.615+/-0.213 χ²/NDF: 2318513.6/26
Left In: 650.638+/-0.109 χ²/NDF:922087.6/22
Left: 640.096+/-0.075 χ²/NDF: 2268466.1/47
Right: 1011.373+/-0.151 χ²/NDF: 4456529.9/48
In: 717.470+/-0.097 χ²/NDF:4806329.9/44
Out: 710.918+/-0.093 χ²/NDF:6786376.0/51
All: 714.056+/-0.067 χ²/NDF: 11595078.4/96

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -196.907+/-532.330 χ^2/NDF: 28.0/21

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

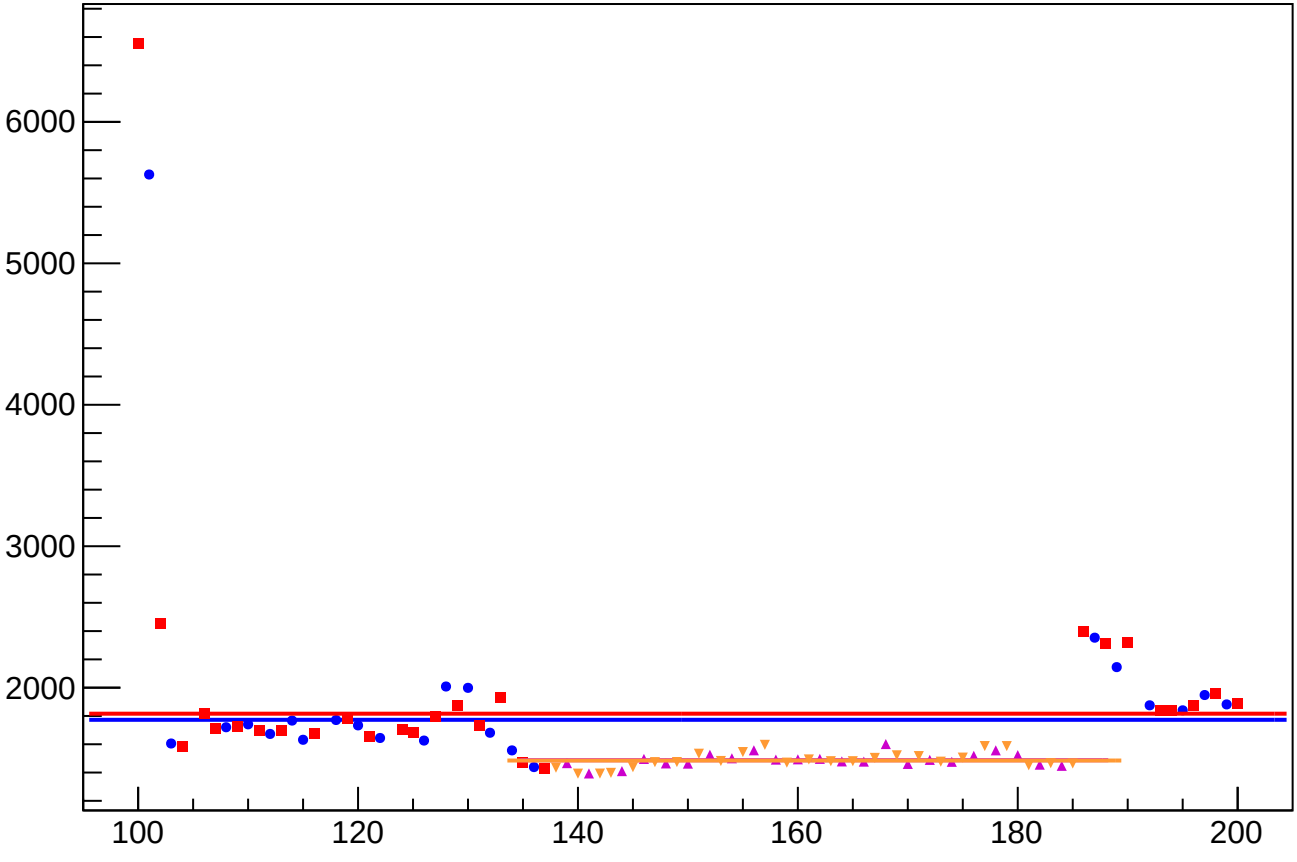
Right: 68.619+/-365.915 χ^2/NDF: 38.5/48

In: -39.521+/-290.937 χ^2/NDF:56.1/44

Out: -400.771+/-280.443 χ^2/NDF:50.6/51

All: -226.779+/-201.911 χ^2/NDF: 107.5/96

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1772.819+/-0.376 χ^2/NDF: 870220.7/21

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

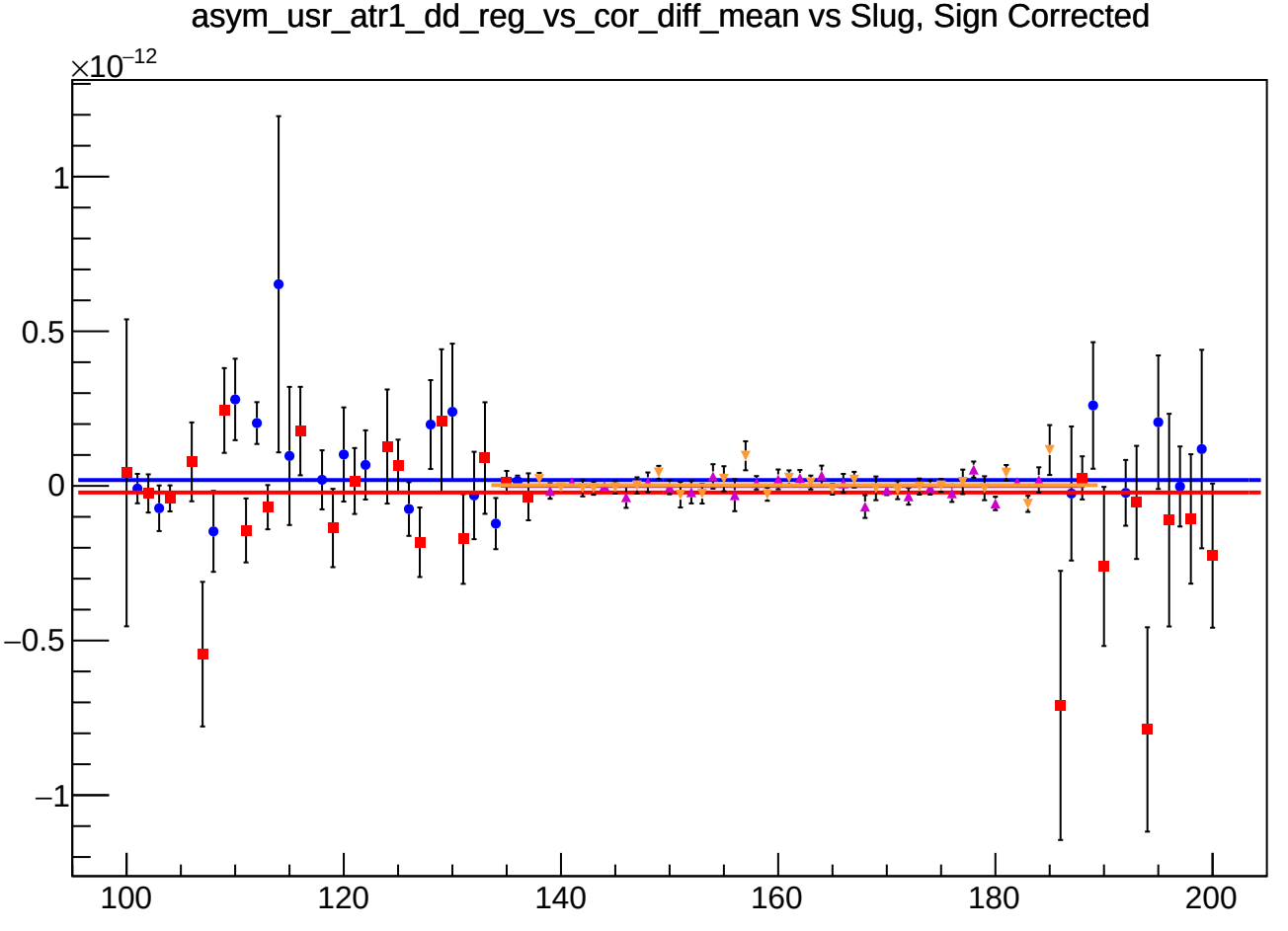
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1795.641+/-0.259 χ^2/NDF: 1338152.0/48

In: 1572.453+/-0.206 χ^2/NDF:1309066.2/44

Out: 1587.560+/-0.198 χ^2/NDF:1108103.6/51

All: 1580.284+/-0.143 χ^2/NDF: 2419964.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/21

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

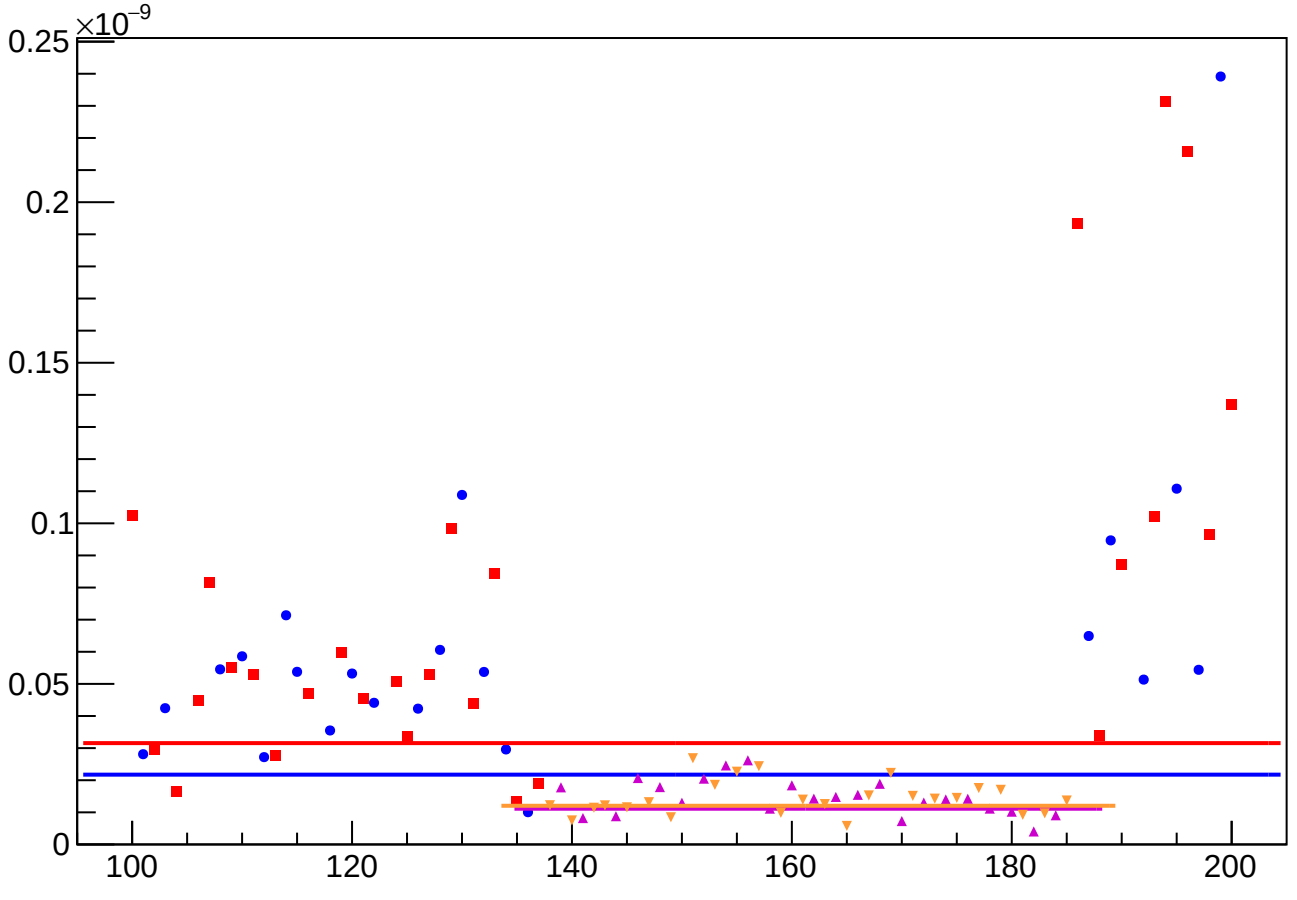
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/48

In: 0.000+/-0.000 χ^2/NDF:52.6/44

Out: 0.000+/-0.000 χ^2/NDF:58.6/51

All: 0.000+/-0.000 χ^2/NDF: 111.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 4200259.4/21

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

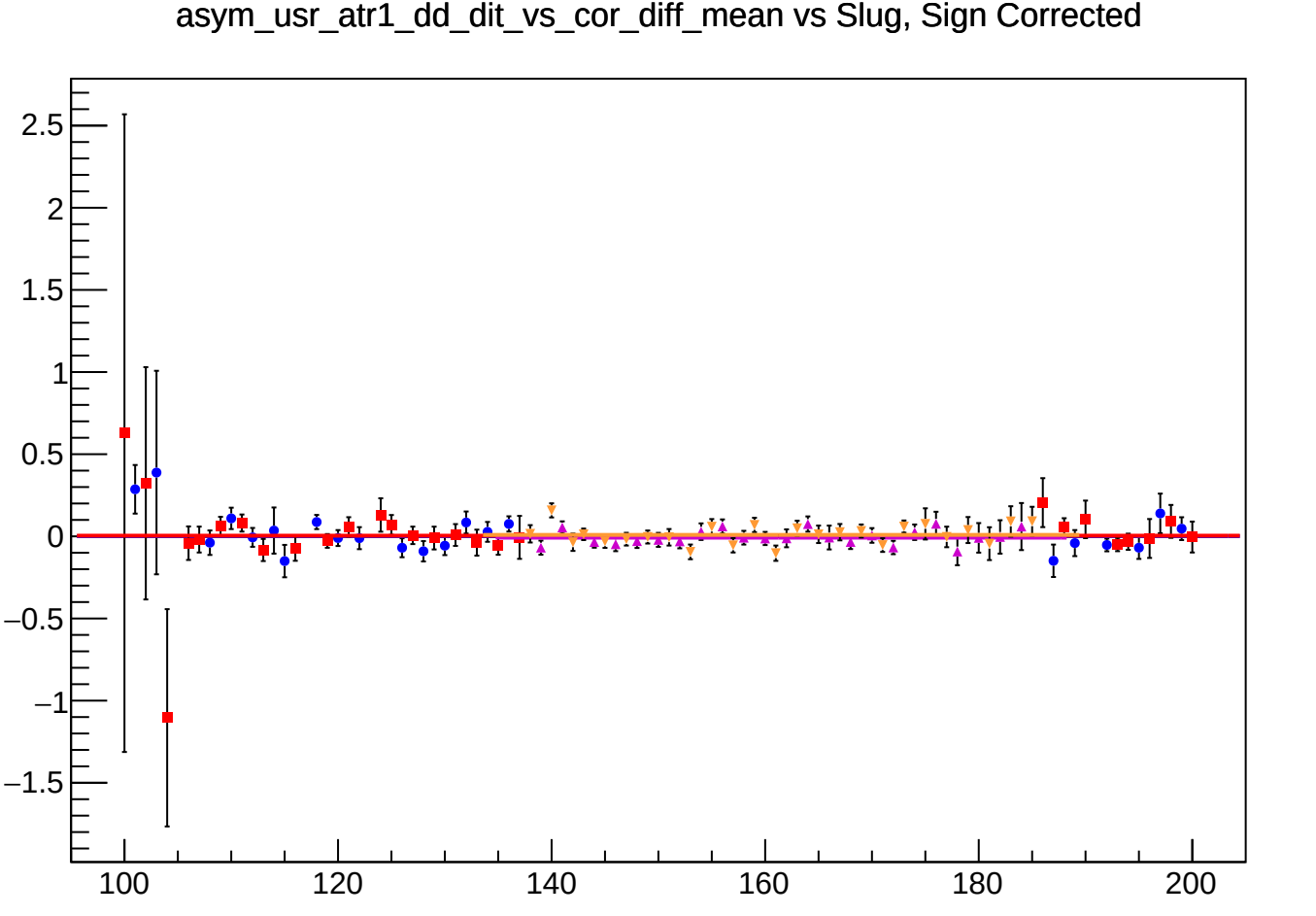
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8887156.7/48

In: 0.000+/-0.000 χ^2/NDF:7429297.3/44

Out: 0.000+/-0.000 χ^2/NDF:8001964.5/51

All: 0.000+/-0.000 χ^2/NDF: 15492153.2/96



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

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

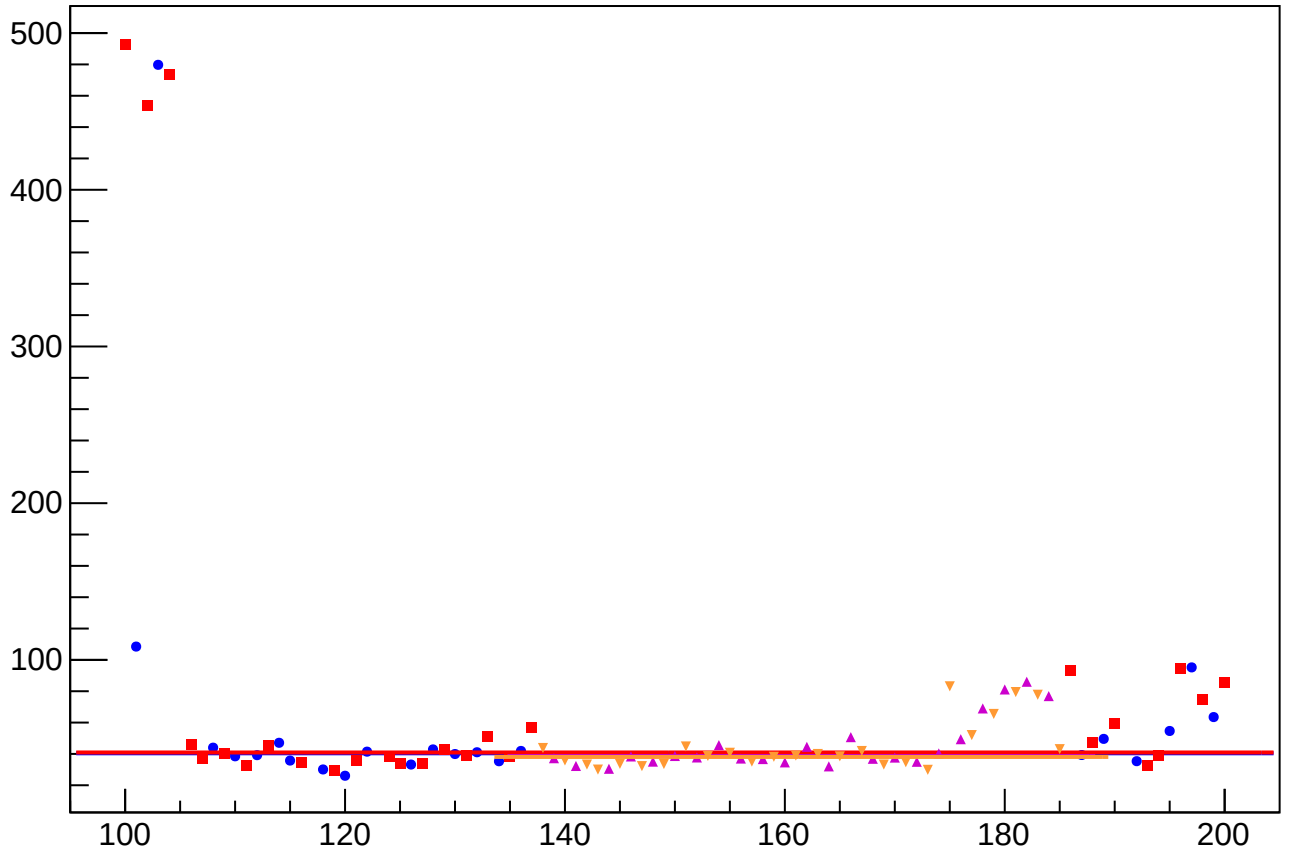
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.010 χ^2/NDF: 51.8/48

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 110.8/96



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

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

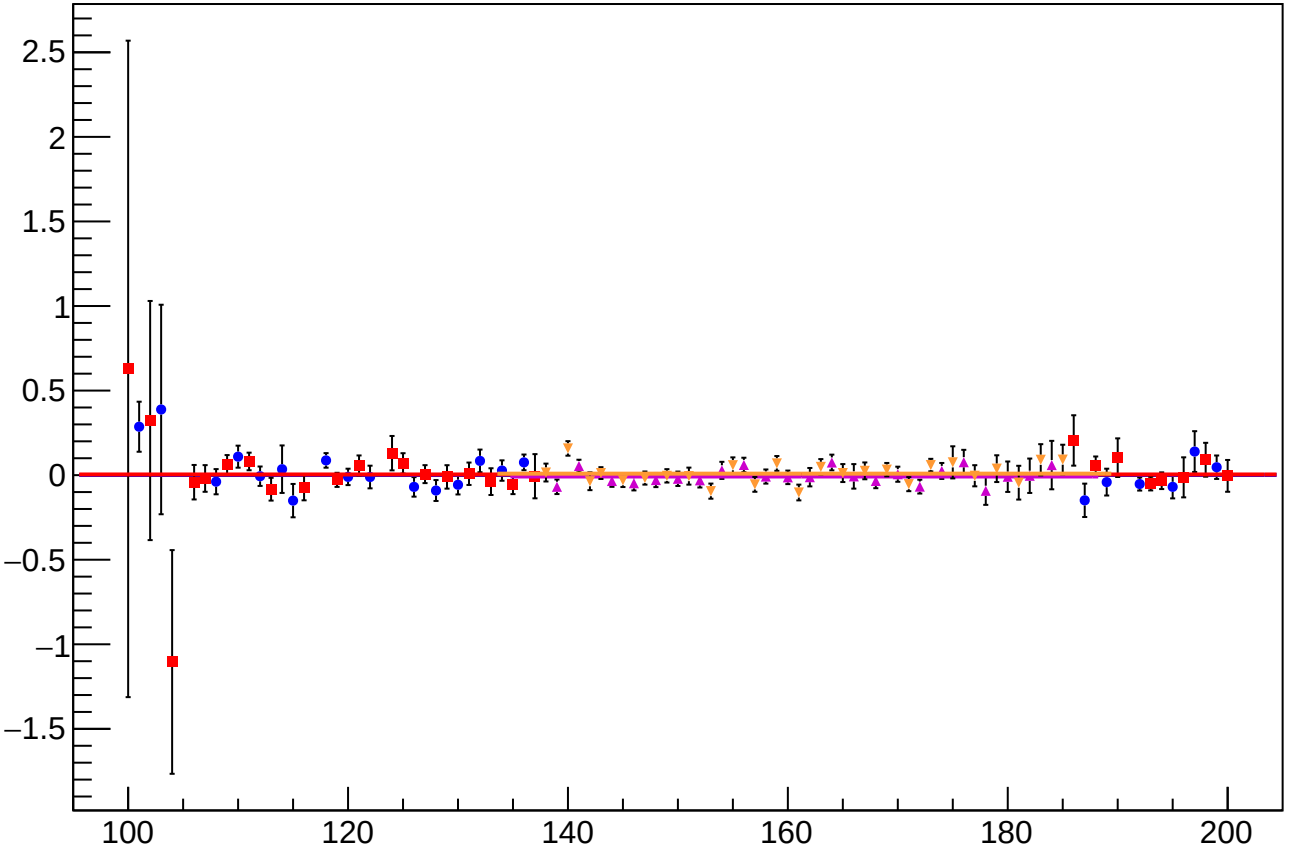
Right: 40.663+/-0.007 χ^2/NDF: 6122342.5/48

In: 39.238+/-0.006 χ^2/NDF:4320479.6/44

Out: 39.045+/-0.005 χ^2/NDF:5577780.3/51

All: 39.138+/-0.004 χ^2/NDF: 9898857.7/96

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

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

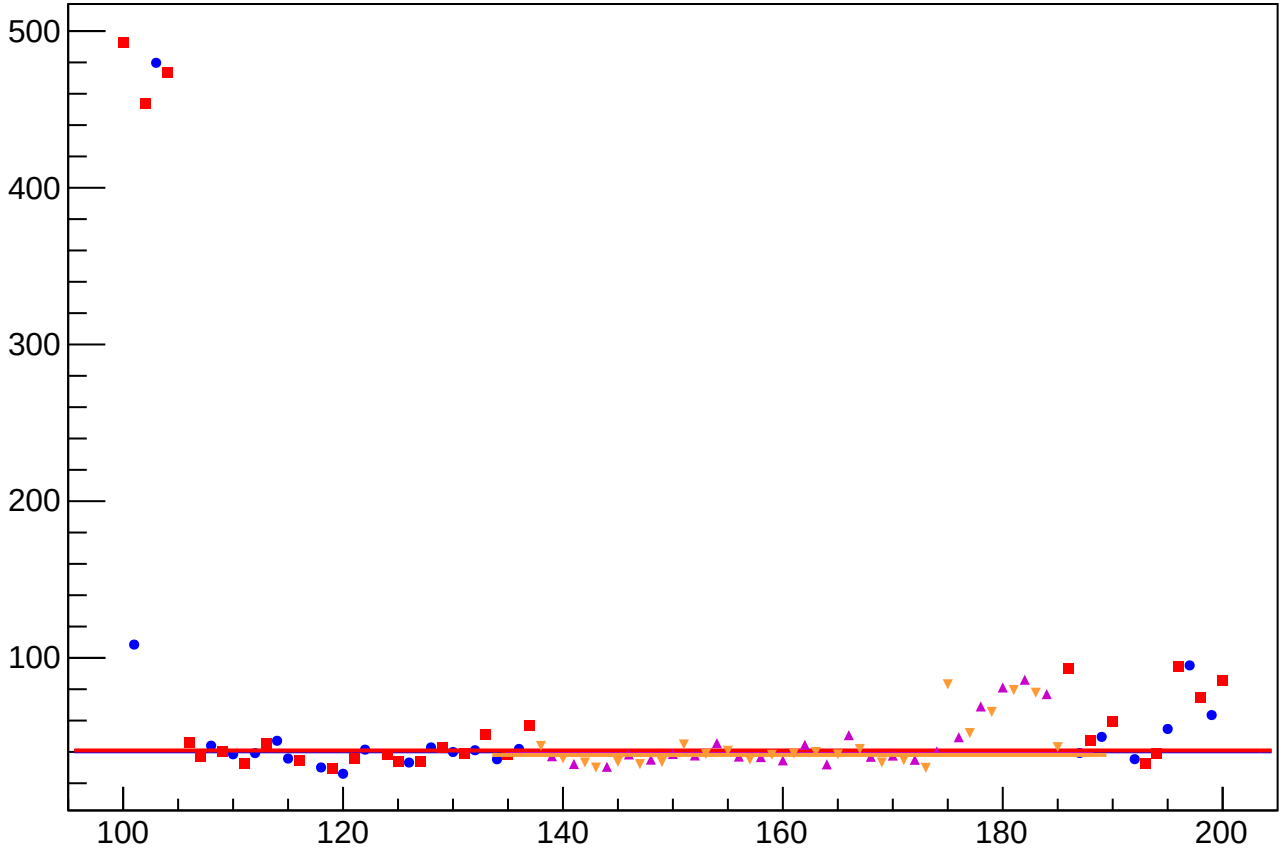
Right: 0.002+/-0.010 χ^2/NDF: 51.8/48

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 110.8/96

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

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

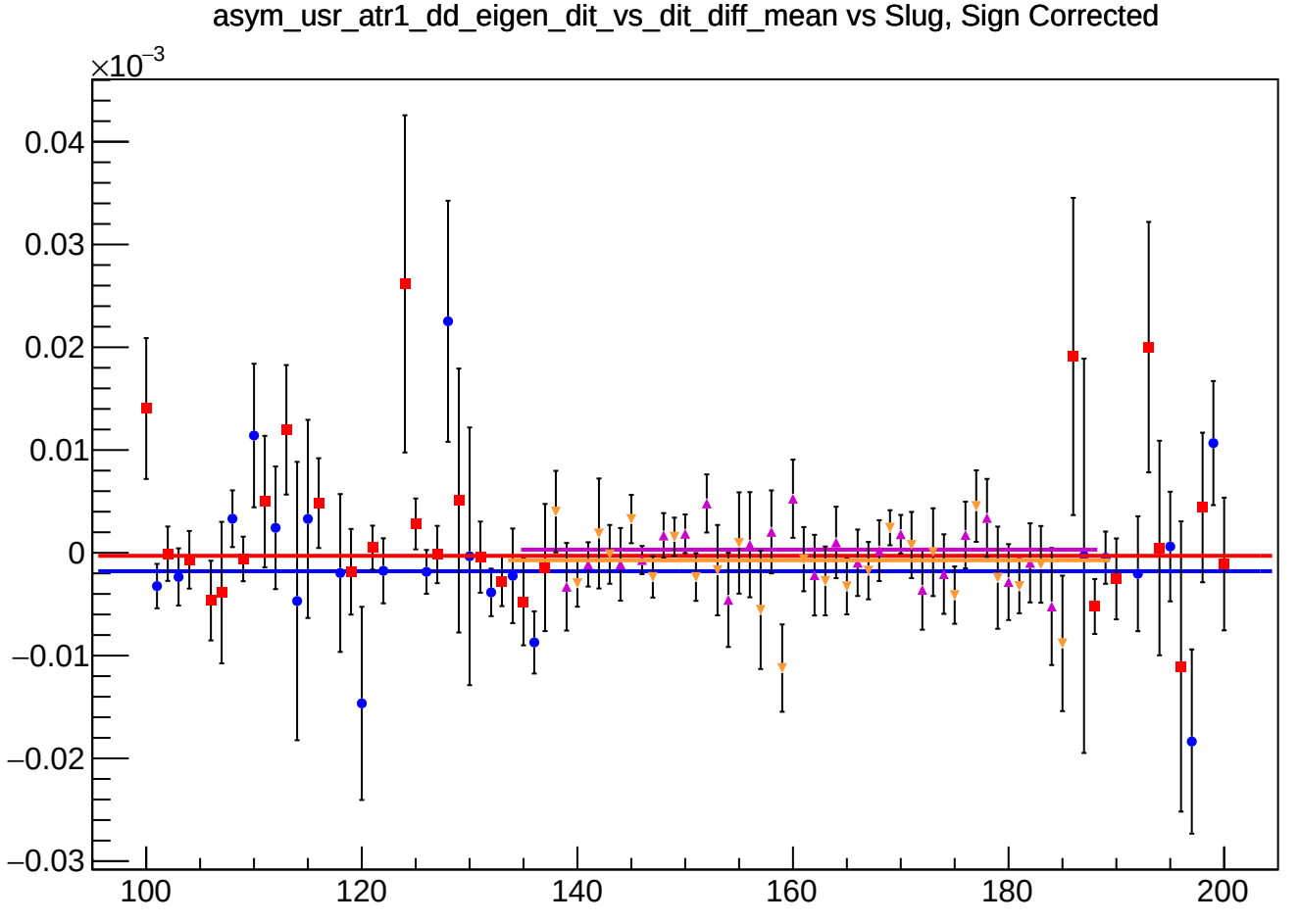
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.663+/-0.007 χ^2/NDF: 6122342.5/48

In: 39.238+/-0.006 χ^2/NDF:4320479.6/44

Out: 39.045+/-0.005 χ^2/NDF:5577780.3/51

All: 39.138+/-0.004 χ^2/NDF: 9898857.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

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

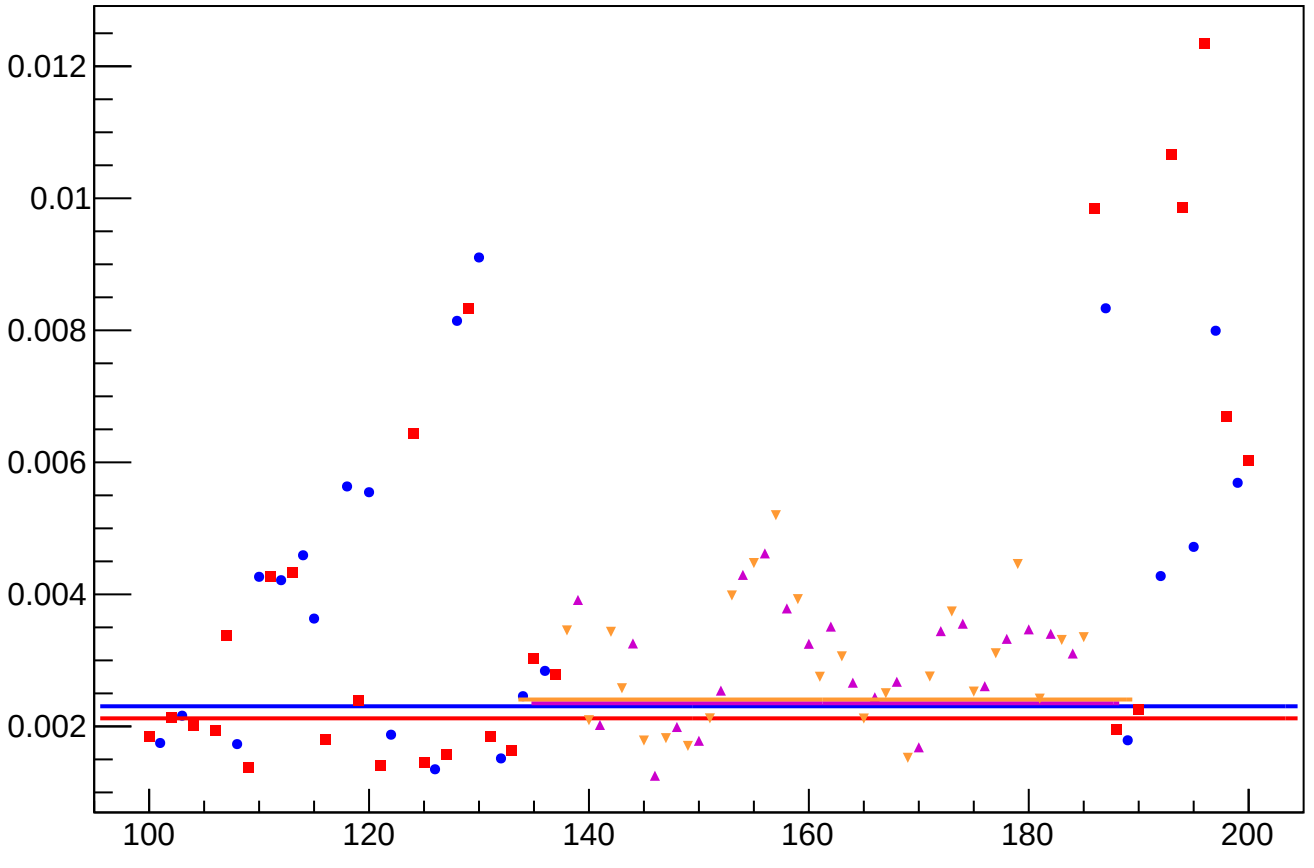
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.3/48

In: -0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:54.5/51

All: -0.000+/-0.000 χ^2/NDF: 101.3/96



Right In: 0.002+/-0.000 χ^2/NDF: 5490796.7/21

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

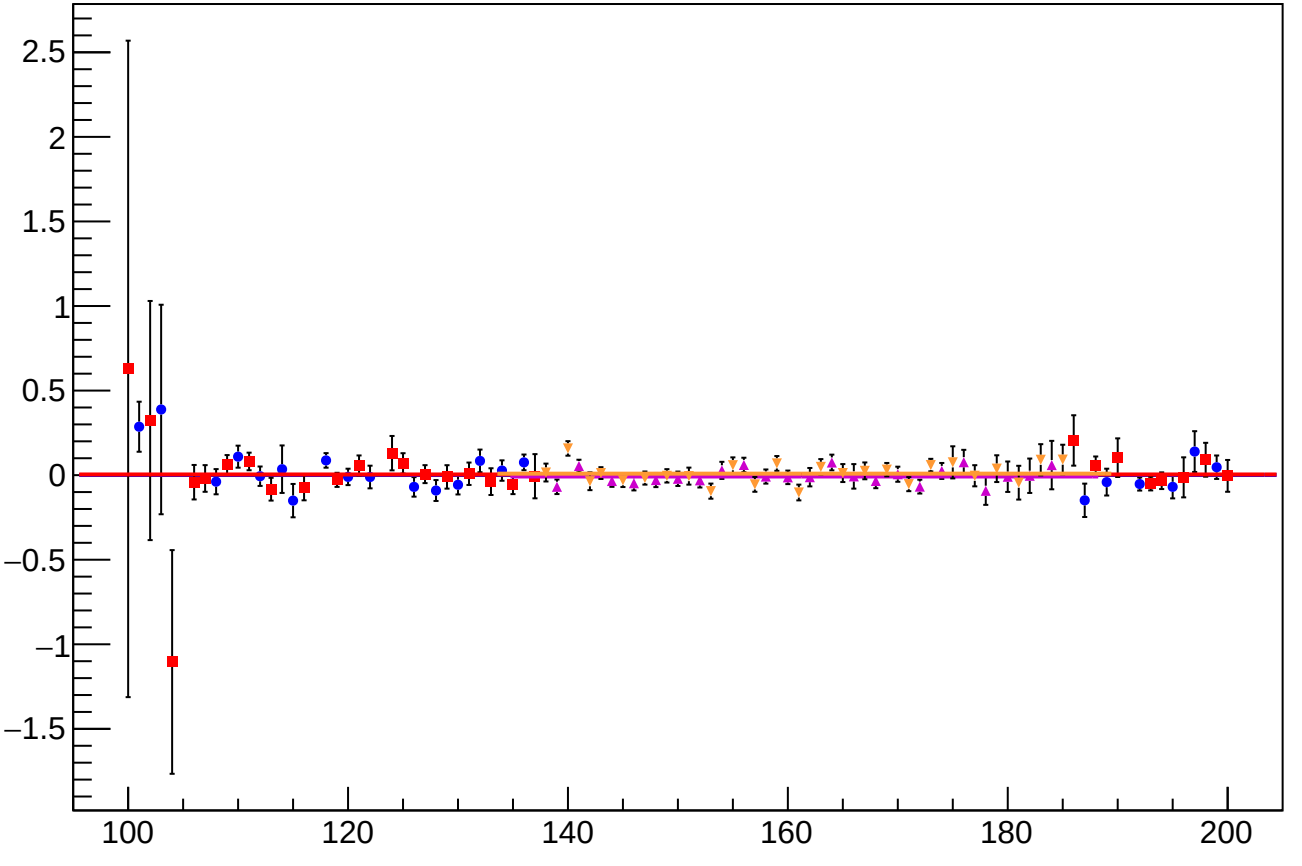
Right: 0.002+/-0.000 χ^2/NDF: 12779786.2/48

In: 0.002+/-0.000 χ^2/NDF:9933060.6/44

Out: 0.002+/-0.000 χ^2/NDF:11102428.1/51

All: 0.002+/-0.000 χ^2/NDF: 21042324.9/96

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

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

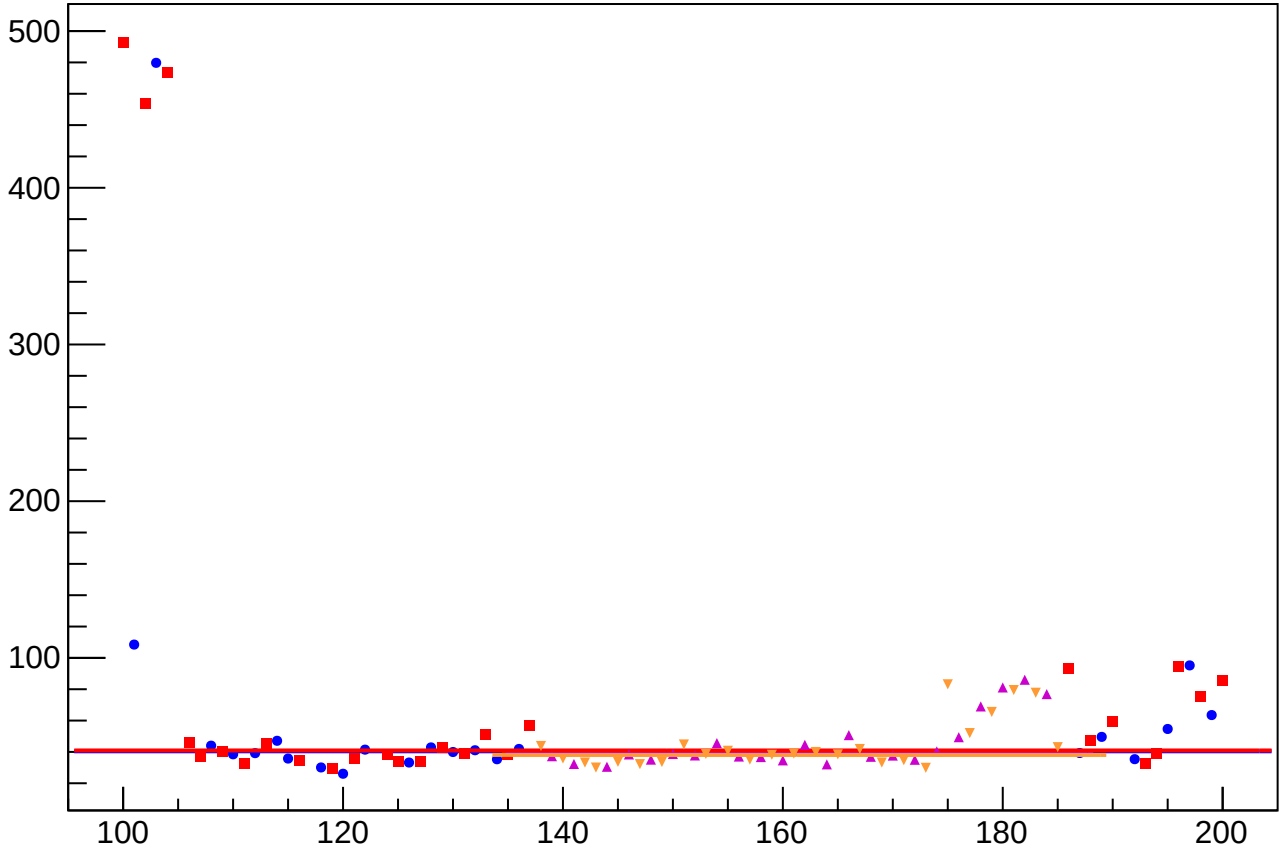
Right: 0.002+/-0.010 χ^2/NDF: 51.8/48

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 110.8/96

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

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

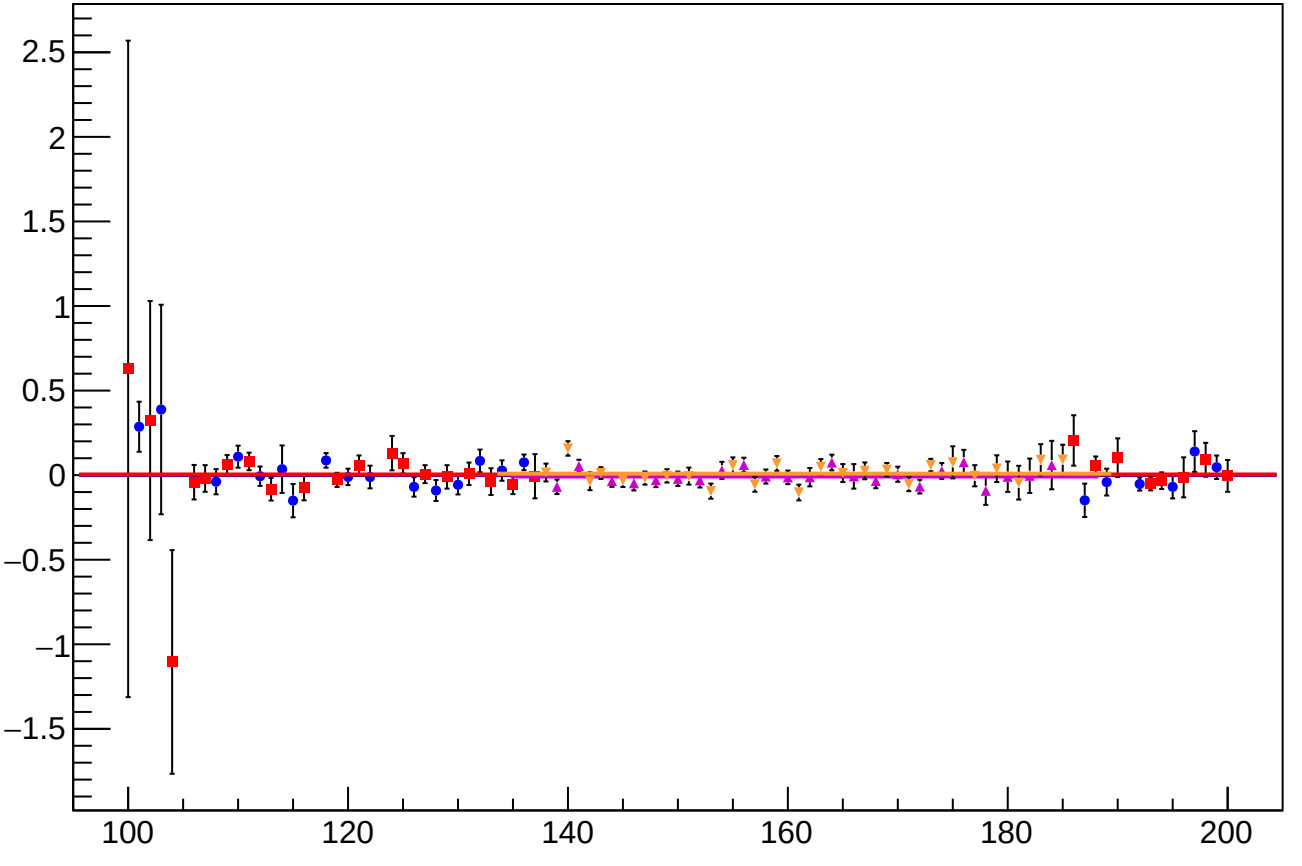
Right: 40.661+/-0.007 χ^2/NDF: 6122849.0/48

In: 39.237+/-0.006 χ^2/NDF:4320587.2/44

Out: 39.044+/-0.005 χ^2/NDF:5578074.8/51

All: 39.137+/-0.004 χ^2/NDF: 9899264.4/96

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

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

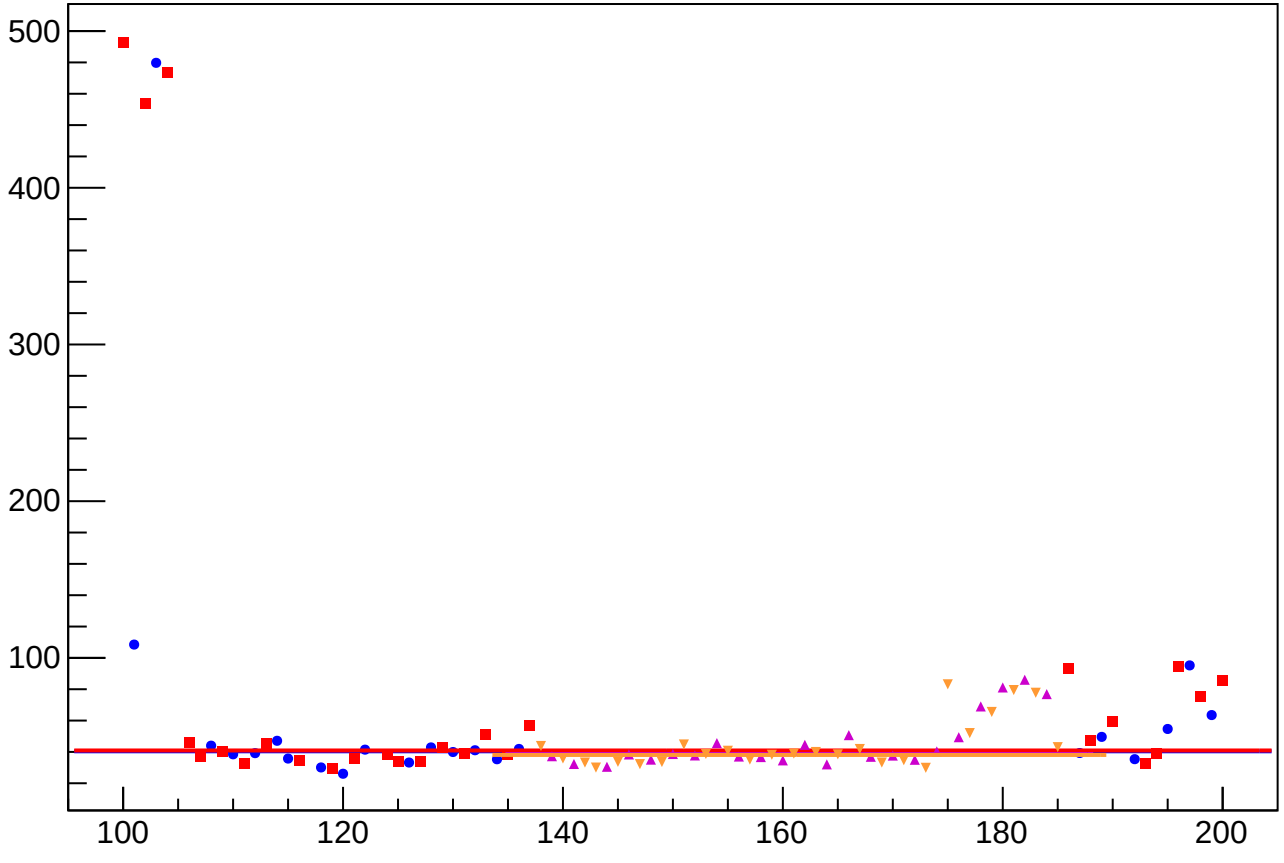
Right: 0.002+/-0.010 χ^2/NDF: 51.8/48

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.5/51

All: 0.001+/-0.006 χ^2/NDF: 110.8/96

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

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

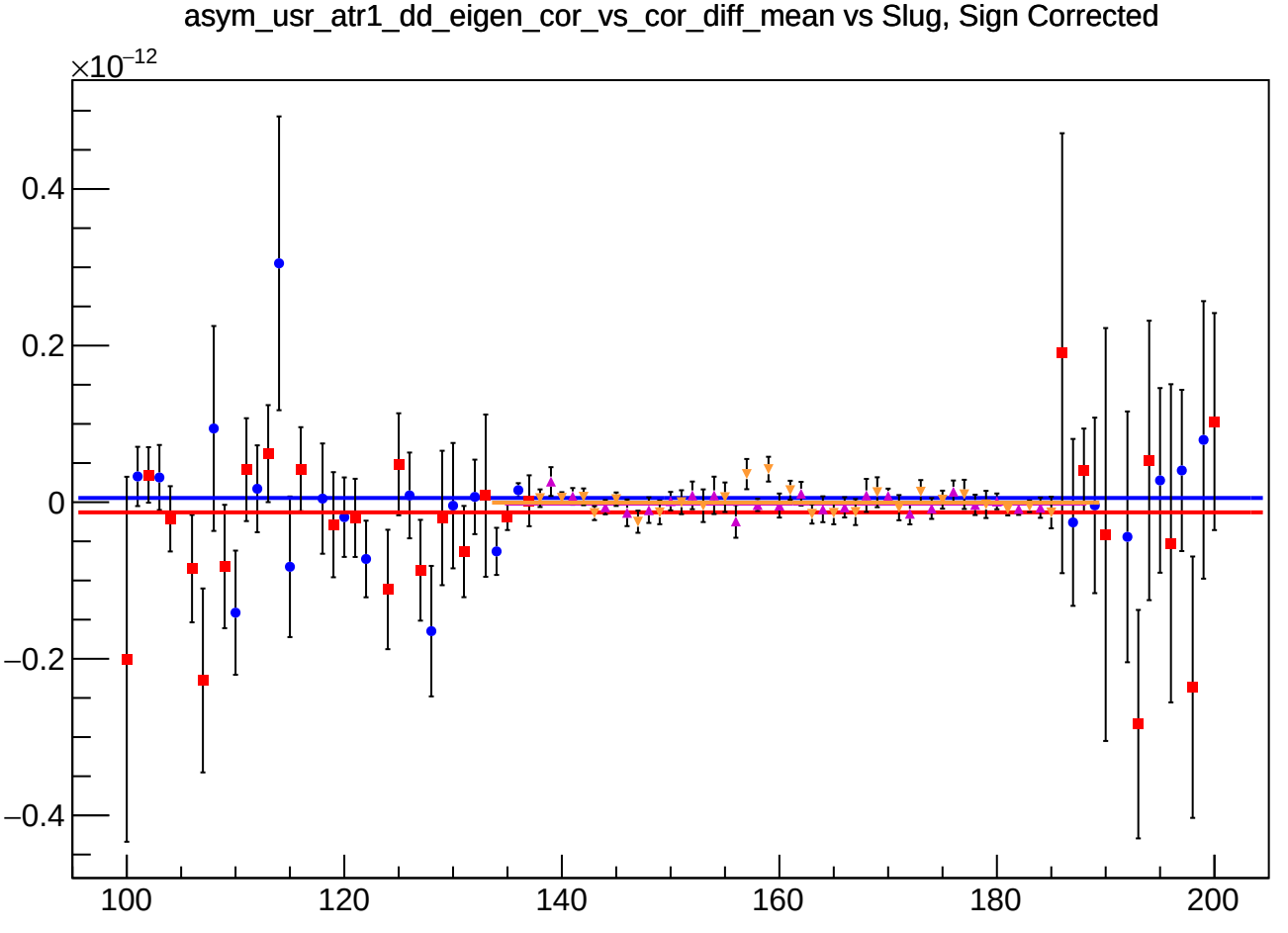
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

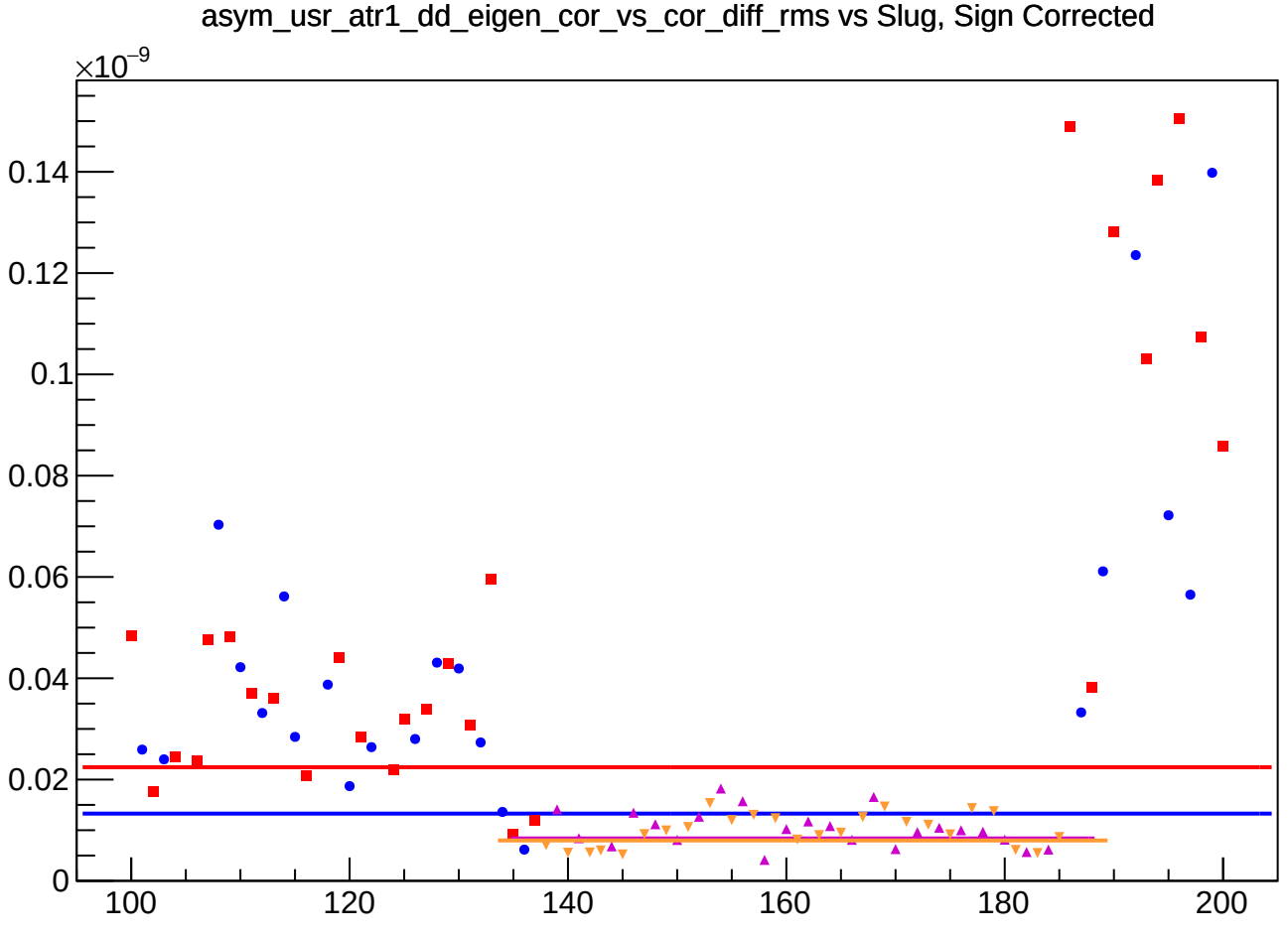
Right: 40.661+/-0.007 χ^2/NDF: 6122849.0/48

In: 39.237+/-0.006 χ^2/NDF:4320587.2/44

Out: 39.044+/-0.005 χ^2/NDF:5578074.8/51

All: 39.137+/-0.004 χ^2/NDF: 9899264.4/96


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: 22.2/21
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: 47.9/48
In: -0.000+/-0.000 χ²/NDF:34.6/44
Out: -0.000+/-0.000 χ²/NDF:52.0/51
All: -0.000+/-0.000 χ²/NDF: 86.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 7178802.8/21

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

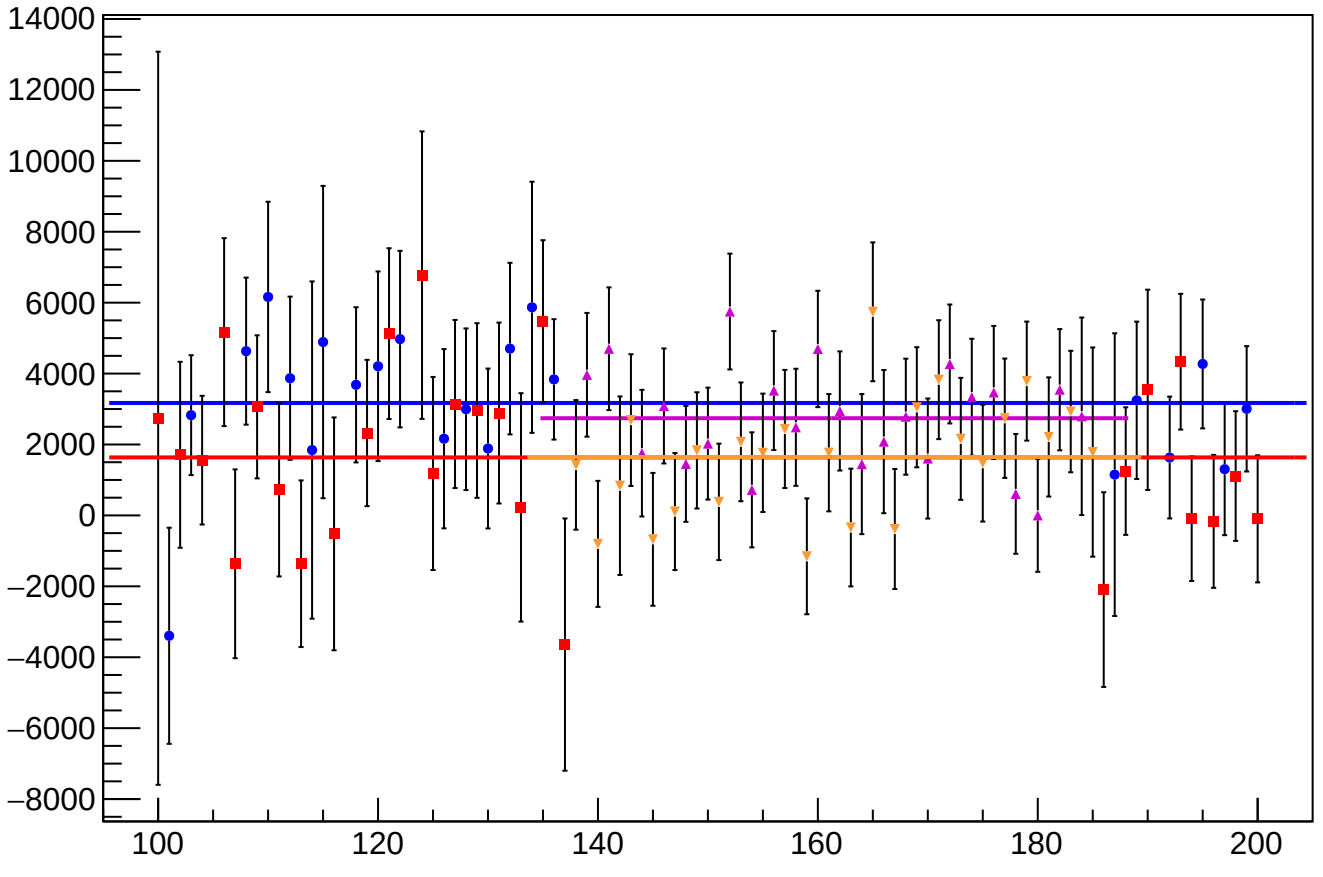
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15075322.9/48

In: 0.000+/-0.000 χ^2/NDF:10735571.0/44

Out: 0.000+/-0.000 χ^2/NDF:13464201.6/51

All: 0.000+/-0.000 χ^2/NDF: 24204039.5/96



Right In: 3171.583+/-483.178 χ^2/NDF: 11.5/21

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

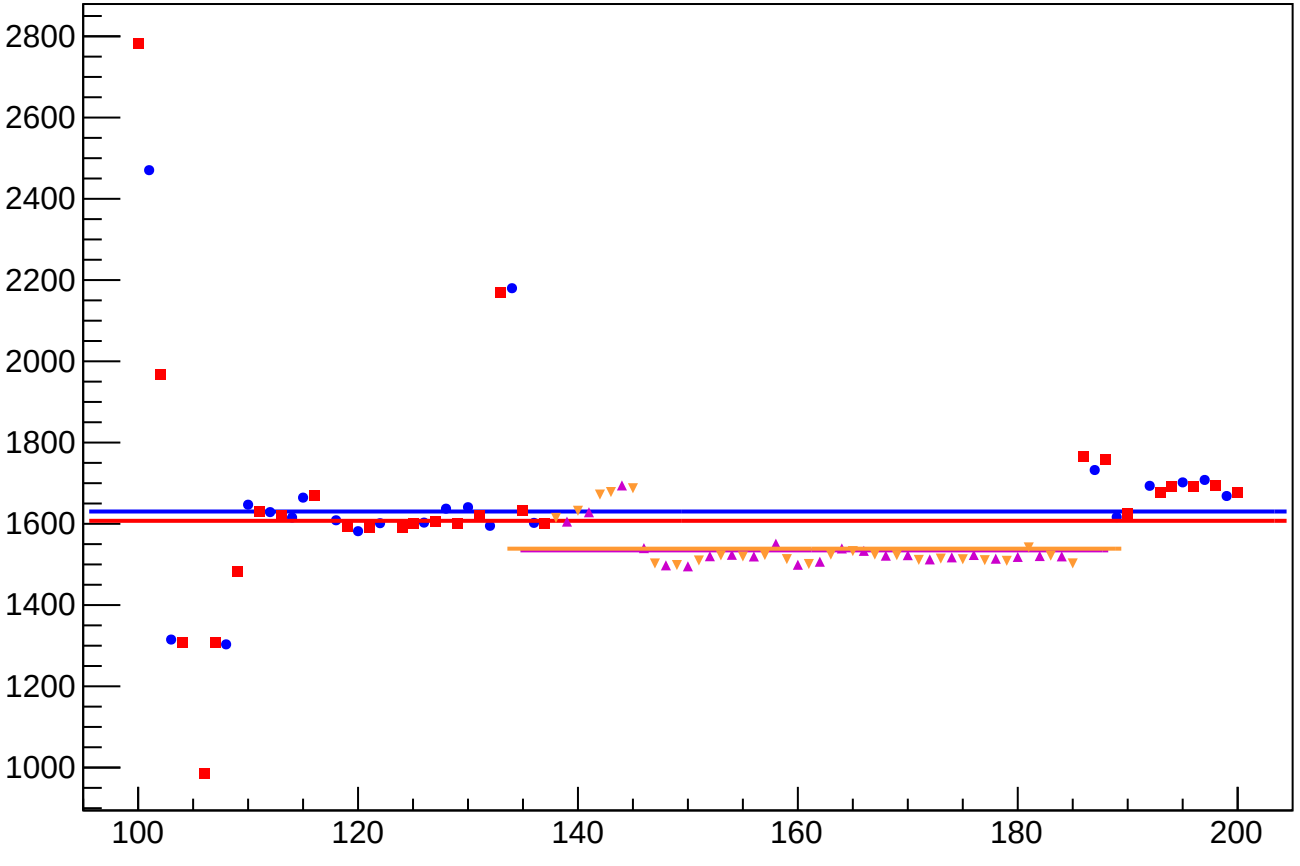
Right: 2347.893+/-329.016 χ^2/NDF: 40.0/48

In: 2893.807+/-287.885 χ^2/NDF:28.5/44

Out: 1642.388+/-275.985 χ^2/NDF:44.0/51

All: 2241.698+/-199.225 χ^2/NDF: 82.4/96

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.302+/-0.342 χ^2/NDF: 333831.7/21

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

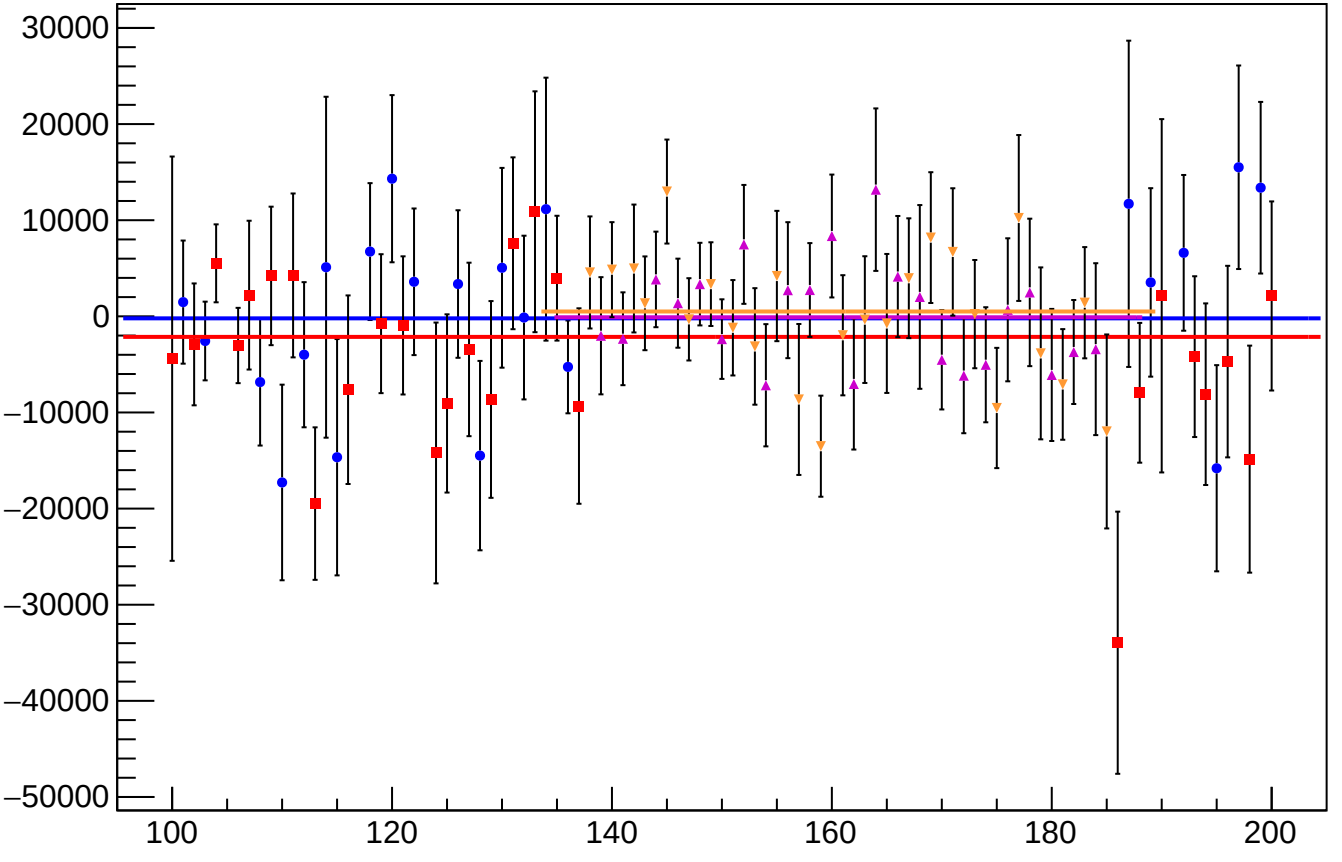
Right: 1617.889+/-0.231 χ^2/NDF: 775339.8/48

In: 1568.583+/-0.204 χ^2/NDF:415544.6/44

Out: 1565.001+/-0.194 χ^2/NDF:515482.4/51

All: 1566.710+/-0.141 χ^2/NDF: 931189.1/96

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -209.613+/-1685.473 χ^2/NDF: 22.3/21

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

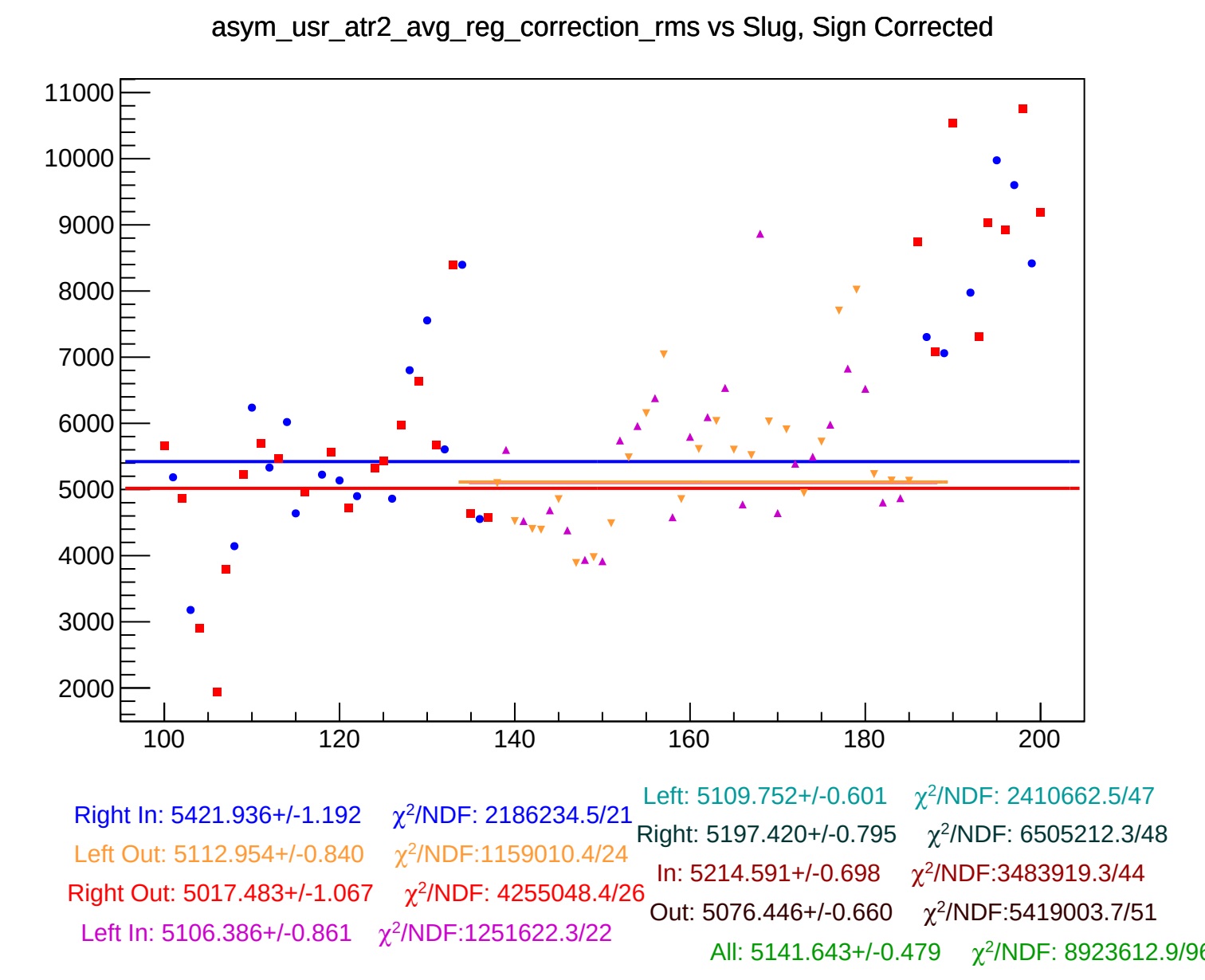
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

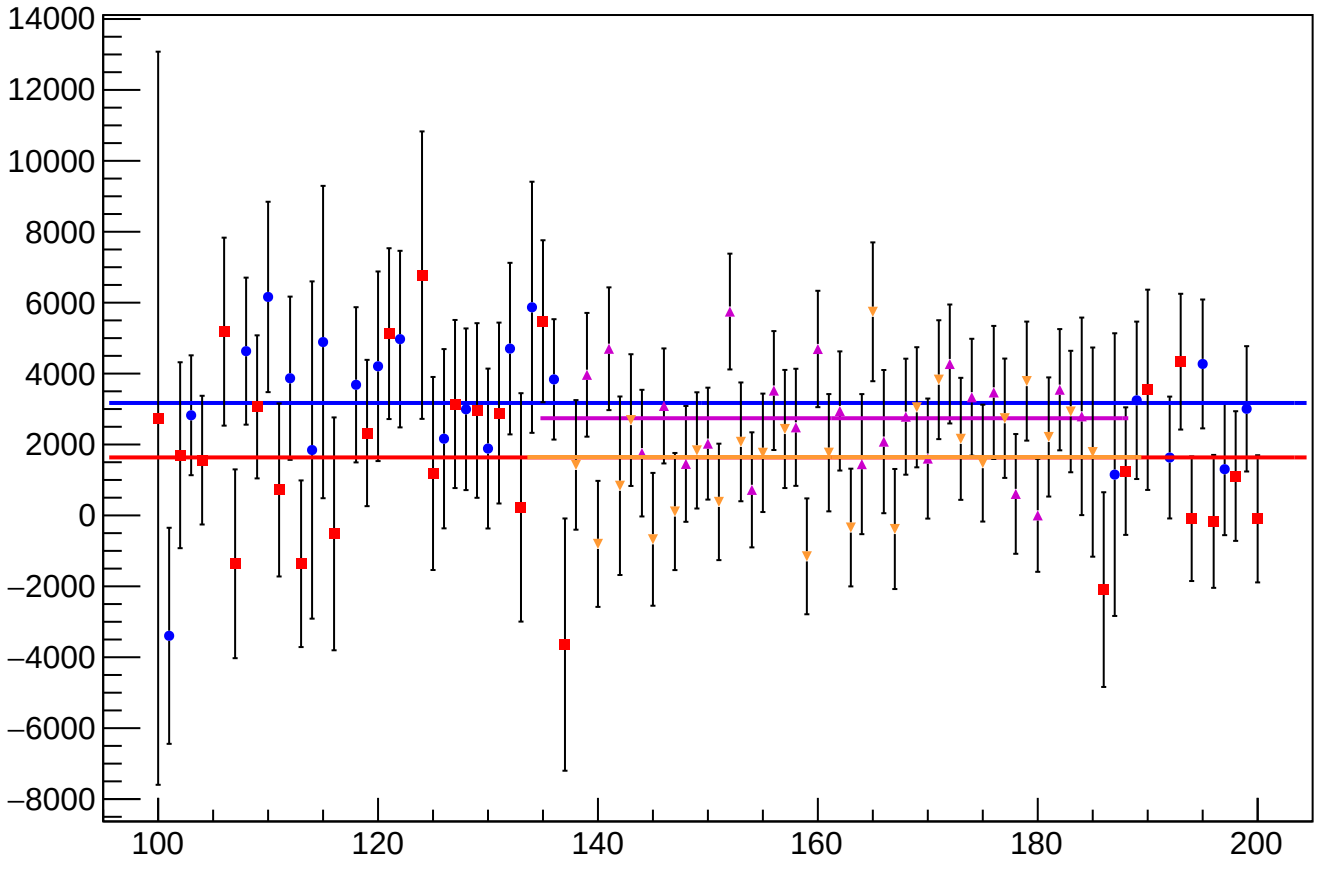
Right: -1280.230+/-1124.212 χ^2/NDF: 46.9/48

In: -136.214+/-986.988 χ^2/NDF:37.2/44

Out: -506.493+/-933.074 χ^2/NDF:52.6/51

All: -331.743+/-678.042 χ^2/NDF: 89.8/96


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: 5421.936+/-1.192 χ²/NDF: 2186234.5/21
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: 5197.420+/-0.795 χ²/NDF: 6505212.3/48
In: 5214.591+/-0.698 χ²/NDF:3483919.3/44
Out: 5076.446+/-0.660 χ²/NDF:5419003.7/51
All: 5141.643+/-0.479 χ²/NDF: 8923612.9/96



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

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

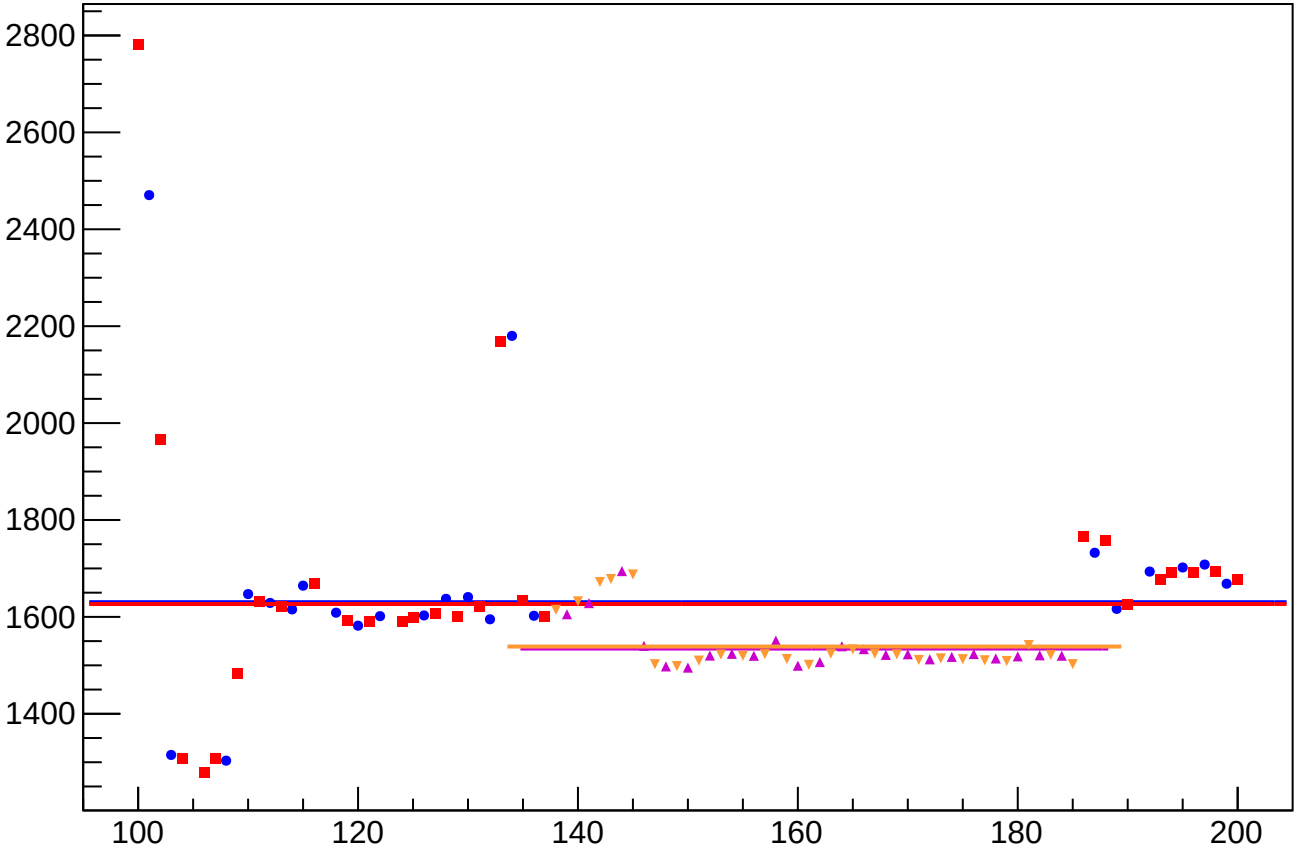
Right: 2347.802+/-329.016 χ^2/NDF: 40.0/48

In: 2893.675+/-287.885 χ^2/NDF:28.5/44

Out: 1642.317+/-275.985 χ^2/NDF:44.1/51

All: 2241.599+/-199.225 χ^2/NDF: 82.4/96

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

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

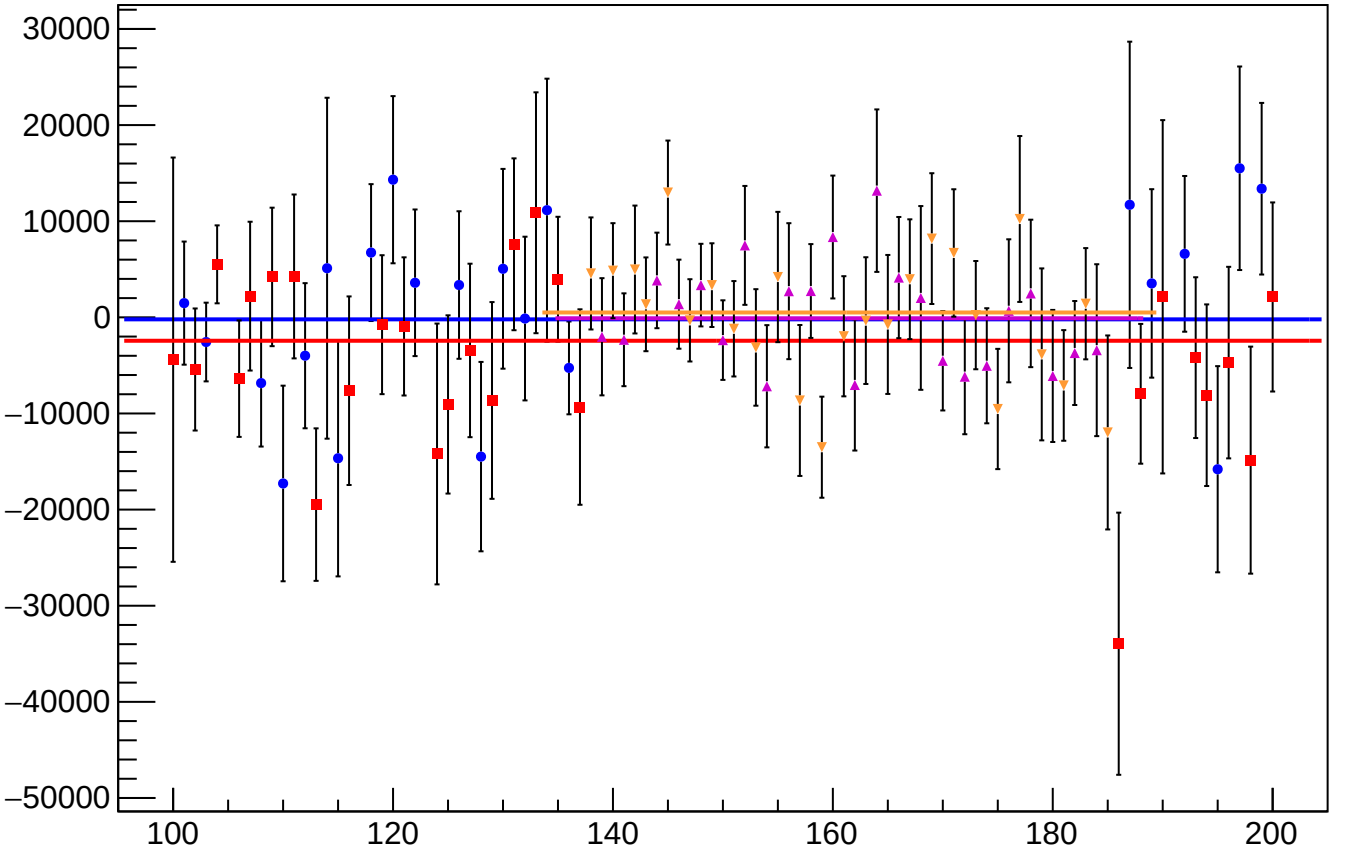
Right: 1628.290+/-0.232 χ^2/NDF: 618840.3/48

In: 1568.583+/-0.204 χ^2/NDF:415543.9/44

Out: 1572.018+/-0.195 χ^2/NDF:379642.9/51

All: 1570.375+/-0.141 χ^2/NDF: 795335.3/96

asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

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

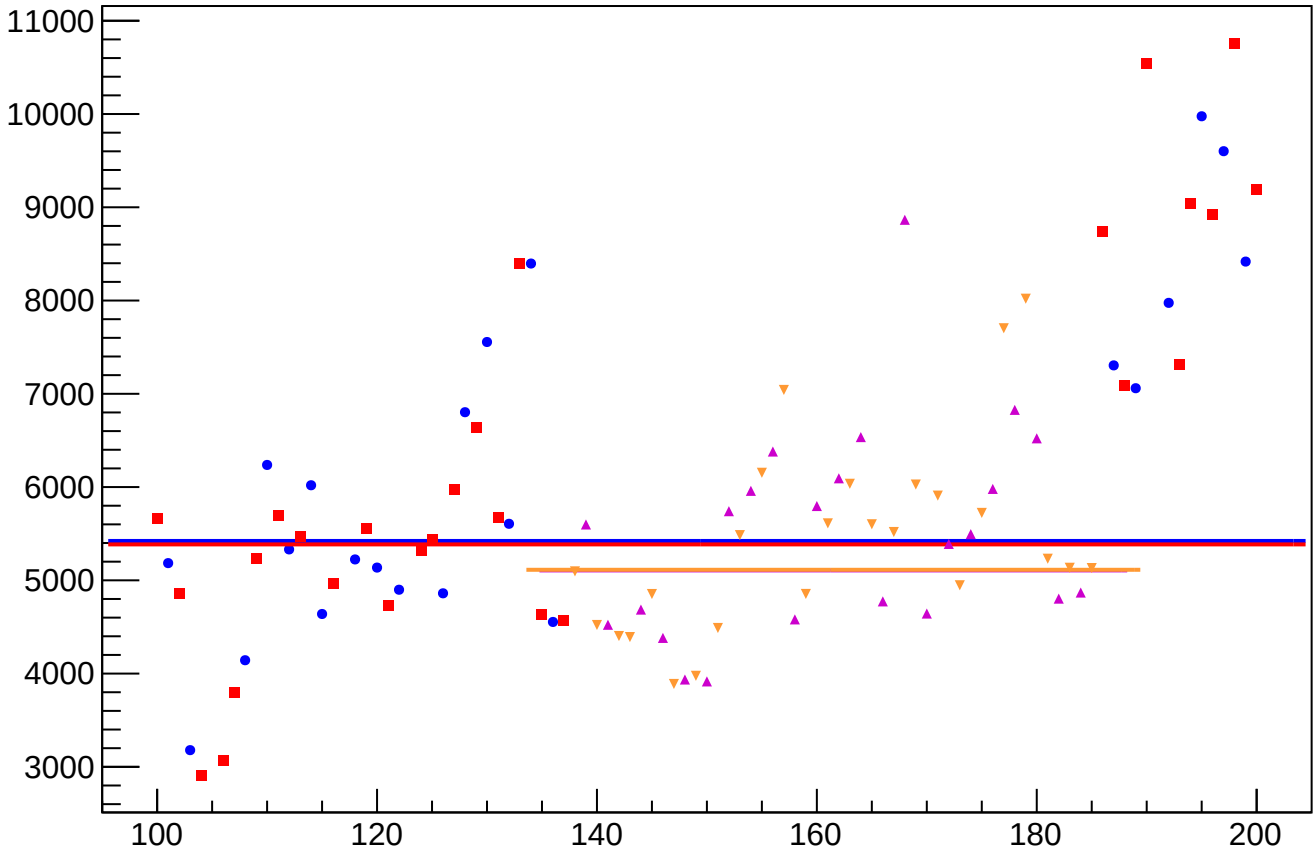
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1395.563+/-1152.237 χ^2/NDF: 47.7/48

In: -136.273+/-986.993 χ^2/NDF:37.2/44

Out: -558.174+/-948.907 χ^2/NDF:53.6/51

All: -355.521+/-684.047 χ^2/NDF: 90.8/96



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

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

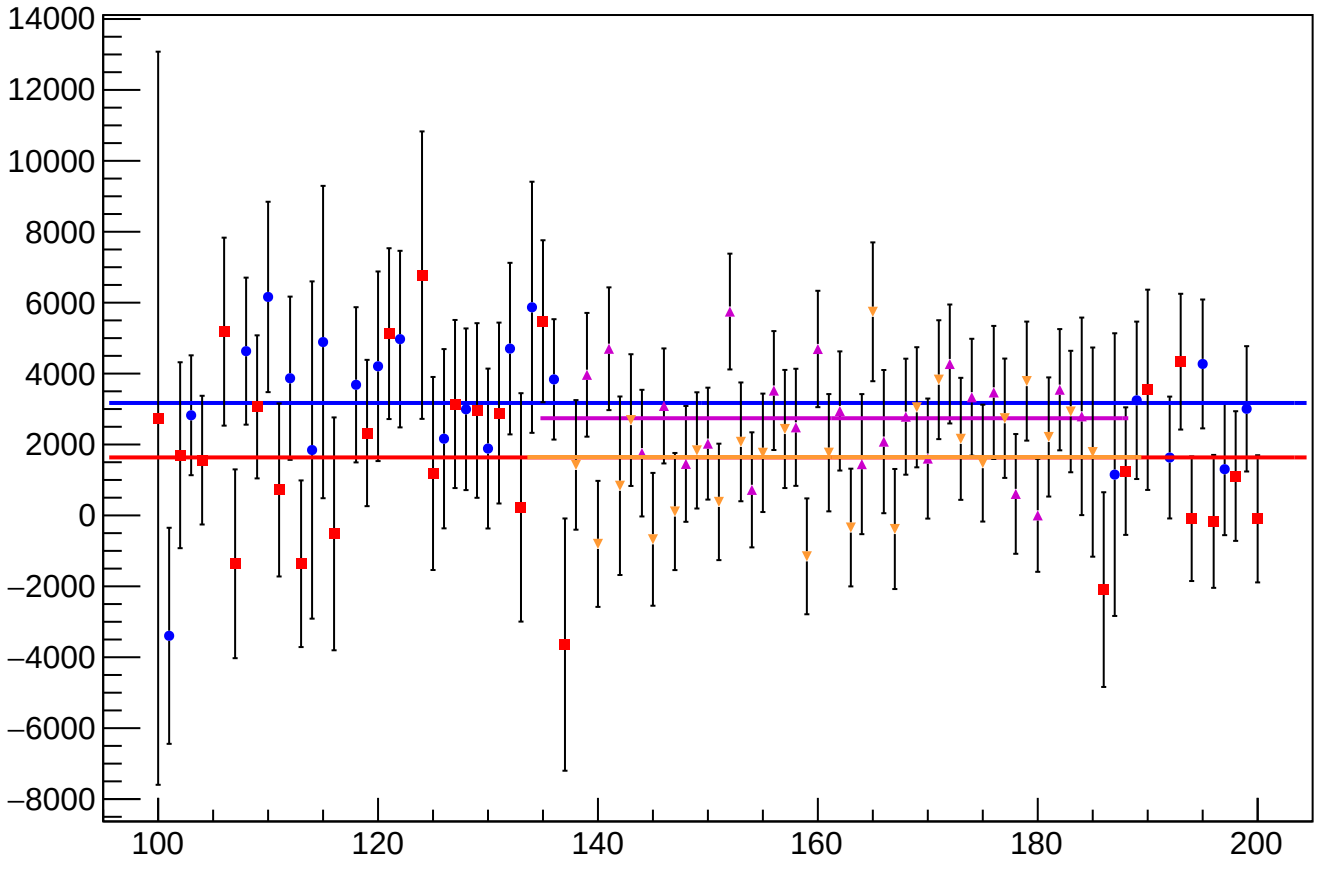
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5402.417+/-0.815 χ^2/NDF: 5304647.6/48

In: 5214.633+/-0.698 χ^2/NDF:3483659.2/44

Out: 5211.292+/-0.671 χ^2/NDF:4315208.5/51

All: 5212.897+/-0.484 χ^2/NDF: 7798879.6/96



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

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

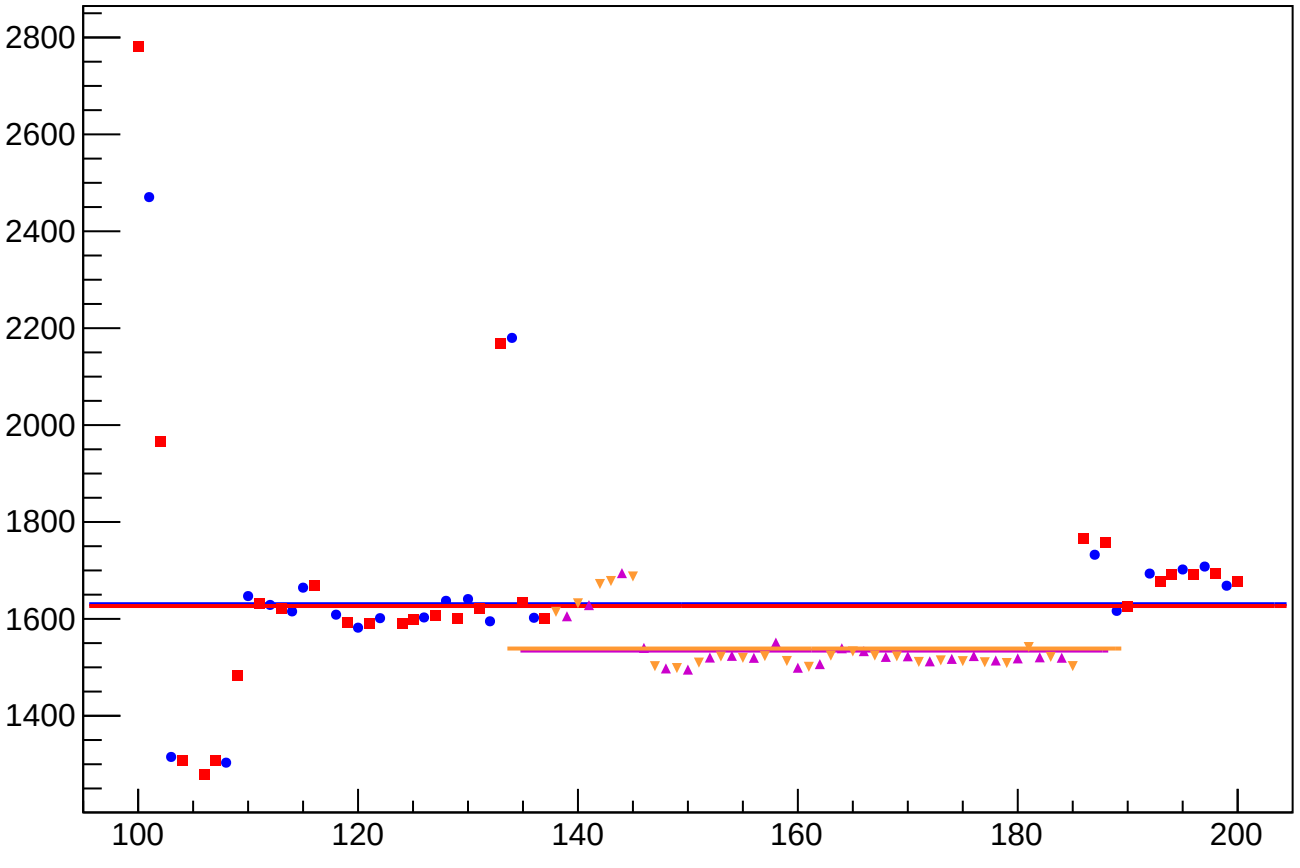
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2347.802+/-329.016 χ^2/NDF: 40.0/48

In: 2893.675+/-287.885 χ^2/NDF:28.5/44

Out: 1642.317+/-275.985 χ^2/NDF:44.1/51

All: 2241.599+/-199.225 χ^2/NDF: 82.4/96



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

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

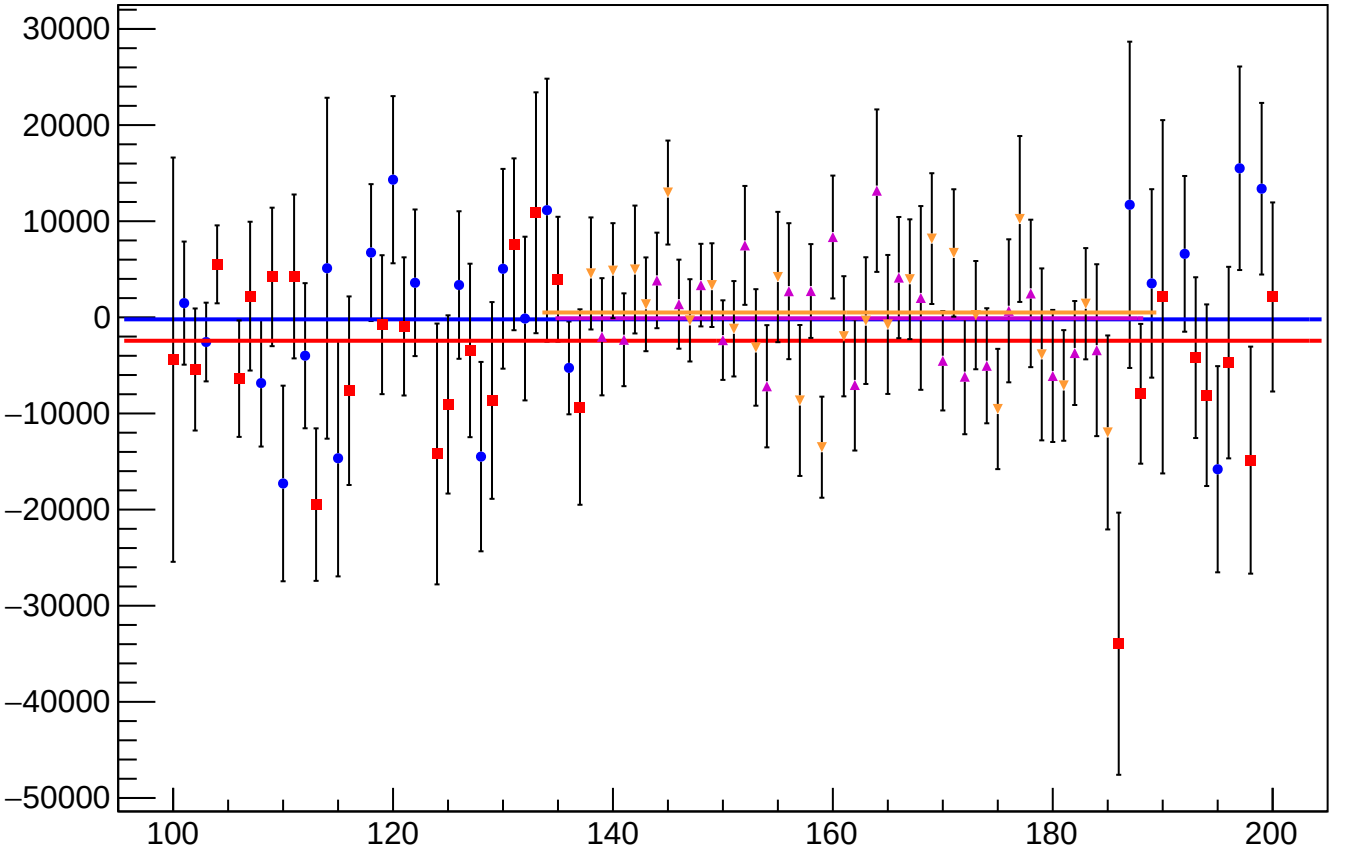
Right: 1628.290+/-0.232 χ^2/NDF: 618840.3/48

In: 1568.583+/-0.204 χ^2/NDF:415543.9/44

Out: 1572.018+/-0.195 χ^2/NDF:379642.9/51

All: 1570.375+/-0.141 χ^2/NDF: 795335.3/96

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

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

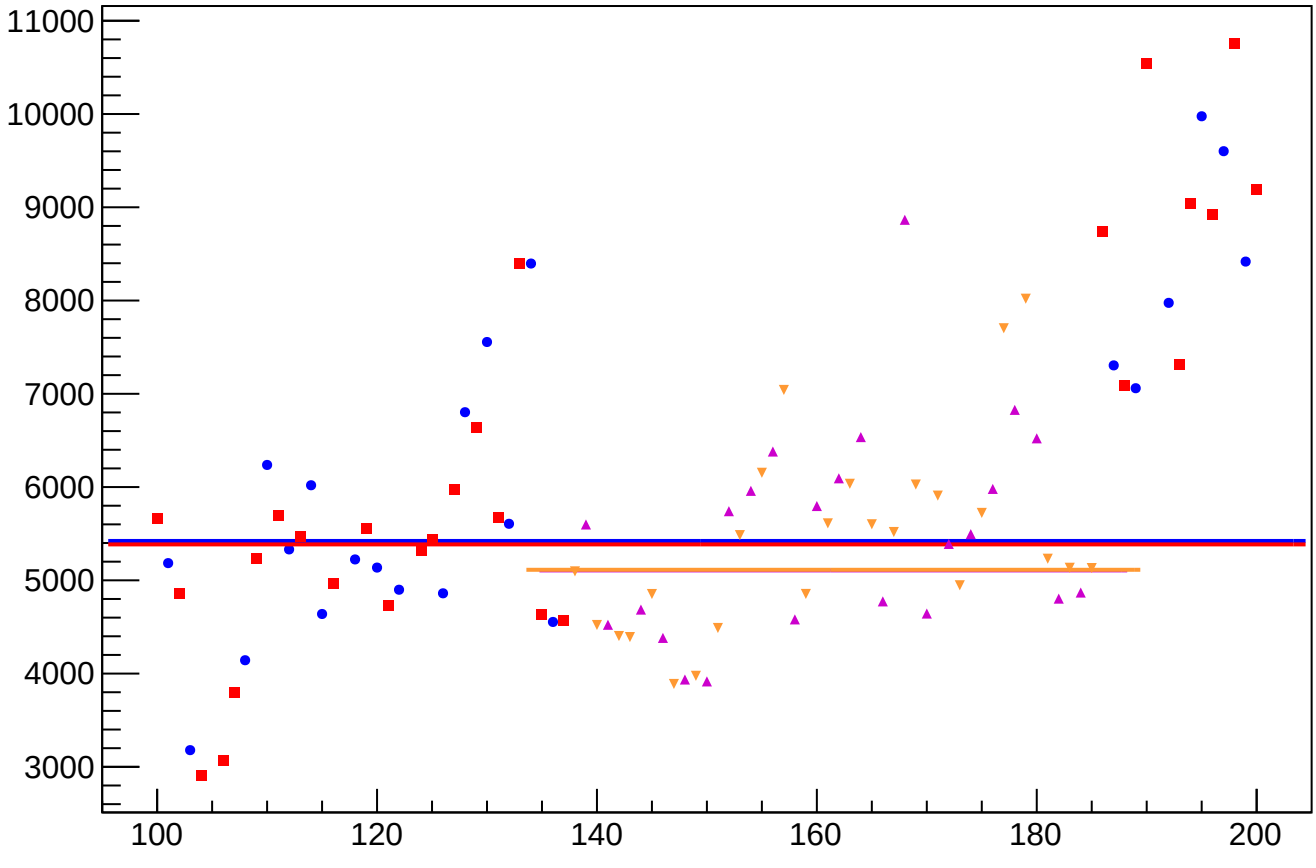
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1395.563+/-1152.237 χ^2/NDF: 47.7/48

In: -136.273+/-986.993 χ^2/NDF:37.2/44

Out: -558.174+/-948.907 χ^2/NDF:53.6/51

All: -355.521+/-684.047 χ^2/NDF: 90.8/96



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

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

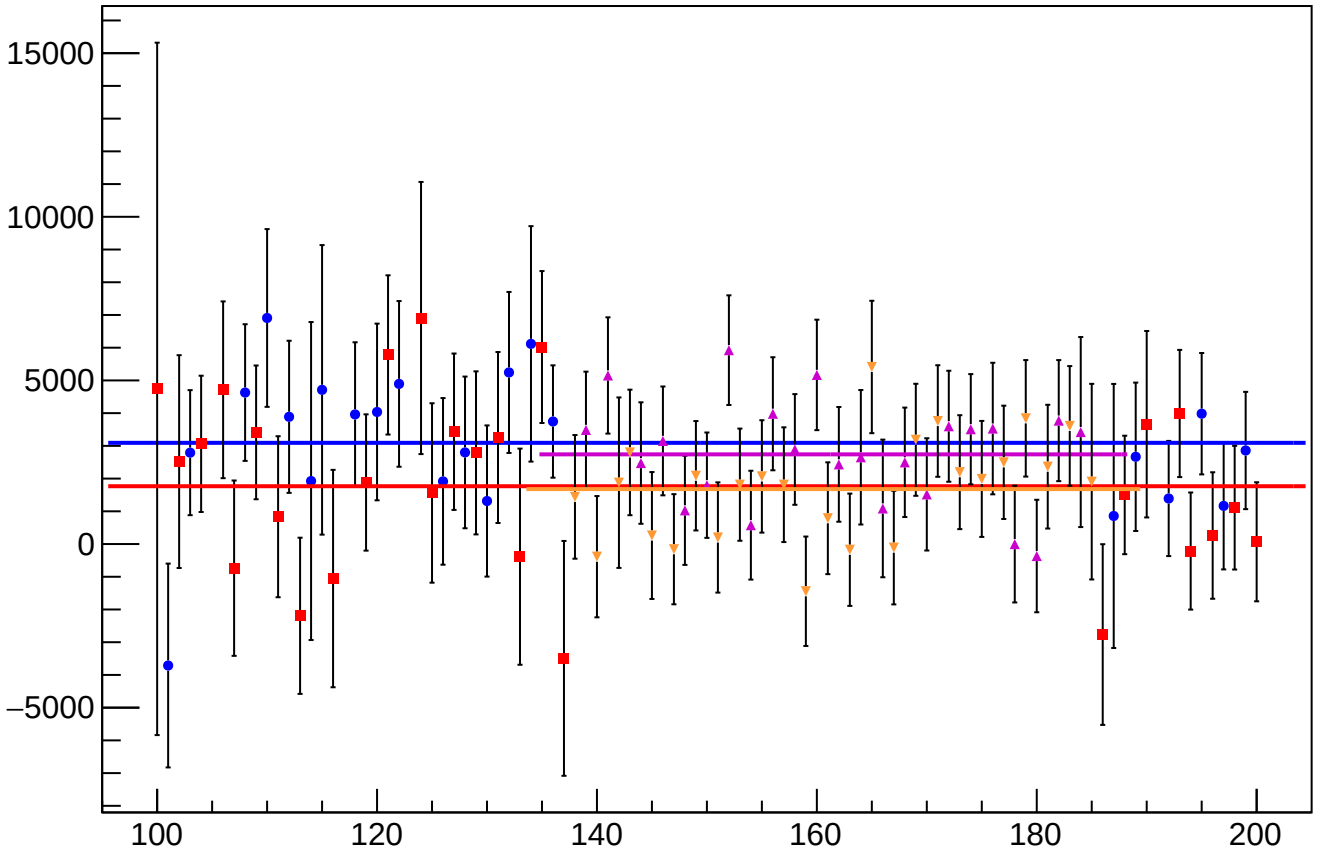
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5402.417+/-0.815 χ^2/NDF: 5304647.6/48

In: 5214.633+/-0.698 χ^2/NDF:3483659.2/44

Out: 5211.292+/-0.671 χ^2/NDF:4315208.5/51

All: 5212.897+/-0.484 χ^2/NDF: 7798879.6/96



Right In: 3092.868+/-495.336 χ^2/NDF: 13.4/21

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

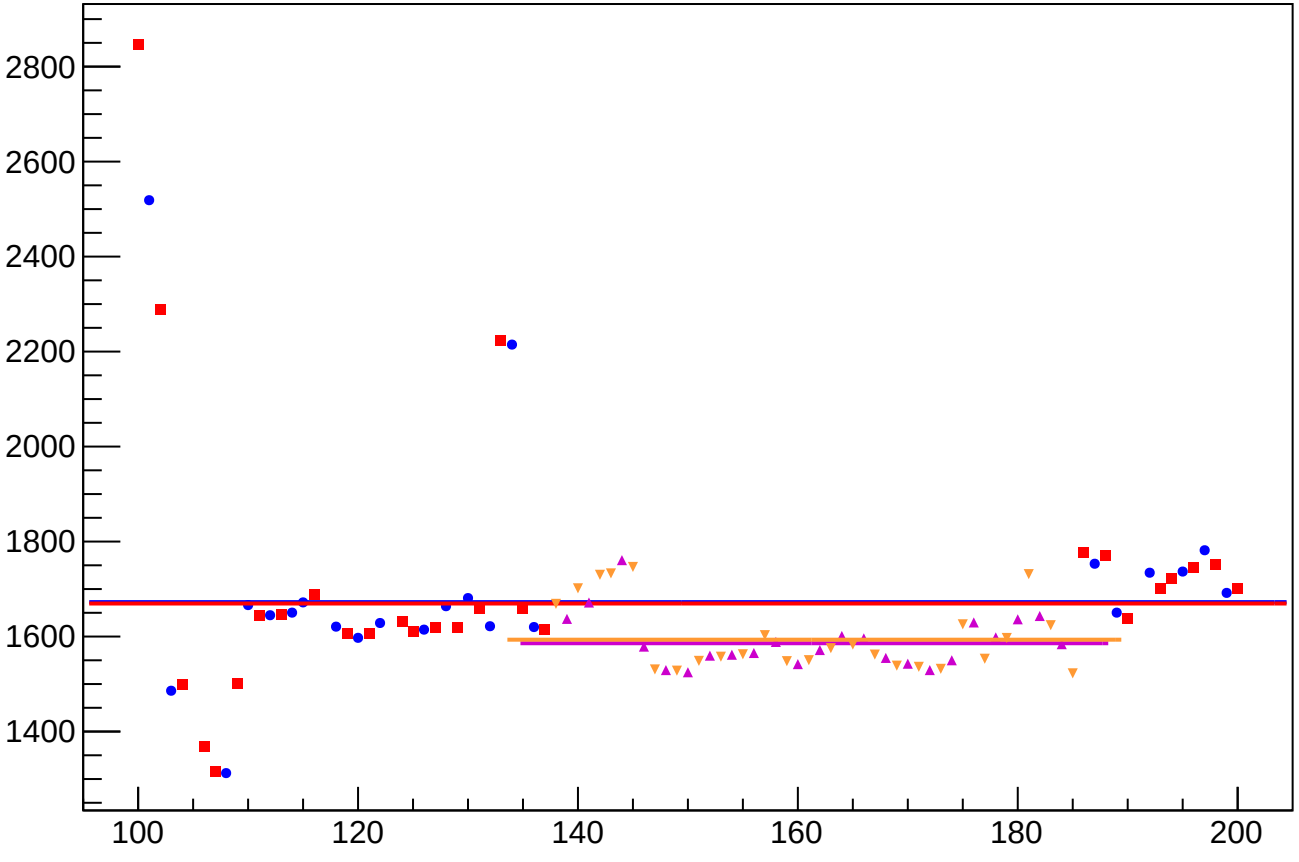
Right: 2382.816+/-337.642 χ^2/NDF: 42.5/48

In: 2867.066+/-296.741 χ^2/NDF:32.9/44

Out: 1712.505+/-285.010 χ^2/NDF:44.3/51

All: 2266.512+/-205.555 χ^2/NDF: 85.0/96

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.3/21

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

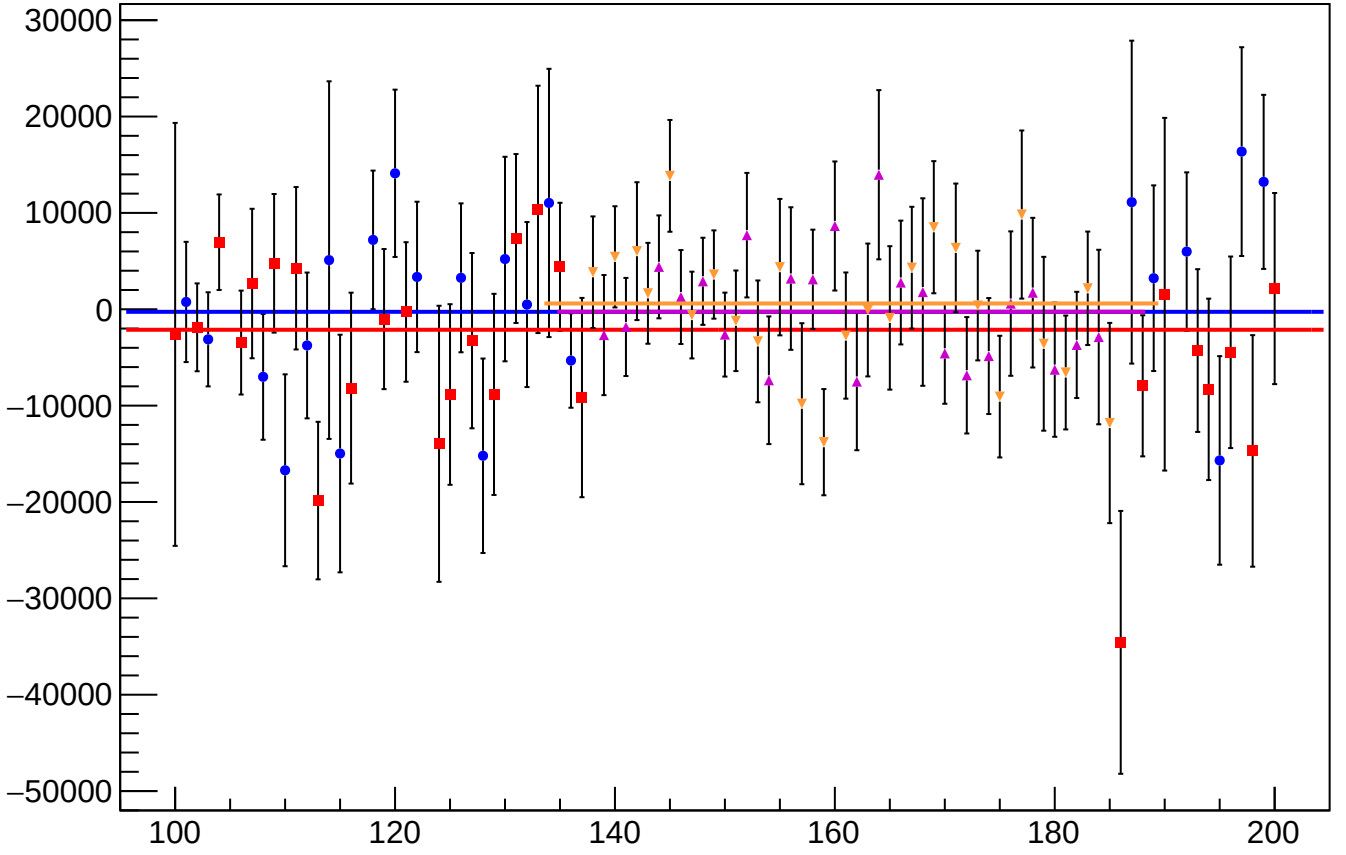
Right: 1670.922+/-0.239 χ^2/NDF: 558240.1/48

In: 1616.991+/-0.210 χ^2/NDF:372565.1/44

Out: 1622.461+/-0.201 χ^2/NDF:372327.2/51

All: 1619.837+/-0.145 χ^2/NDF: 745246.0/96

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -265.215+/-1736.918 χ^2/NDF: 22.1/21

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

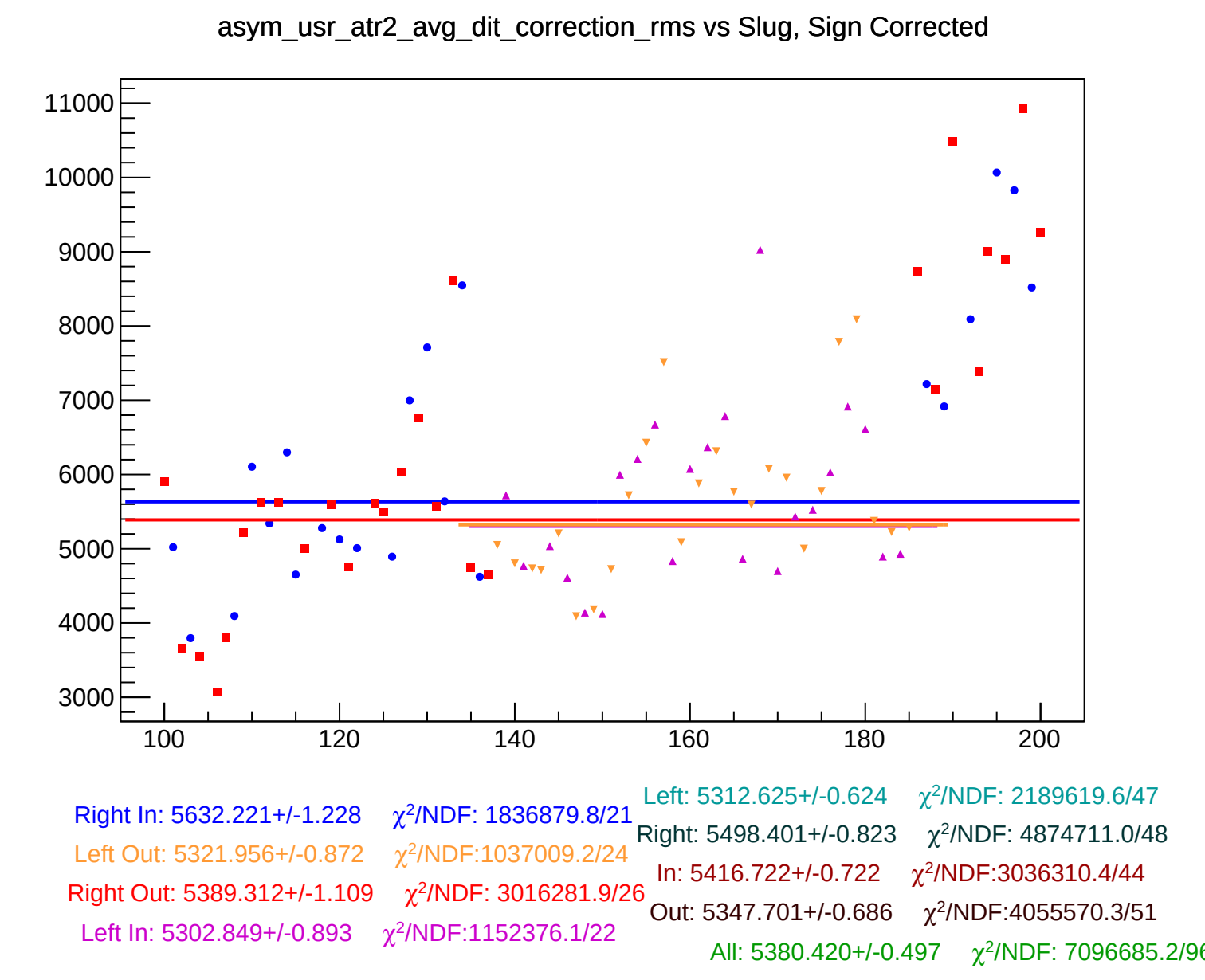
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

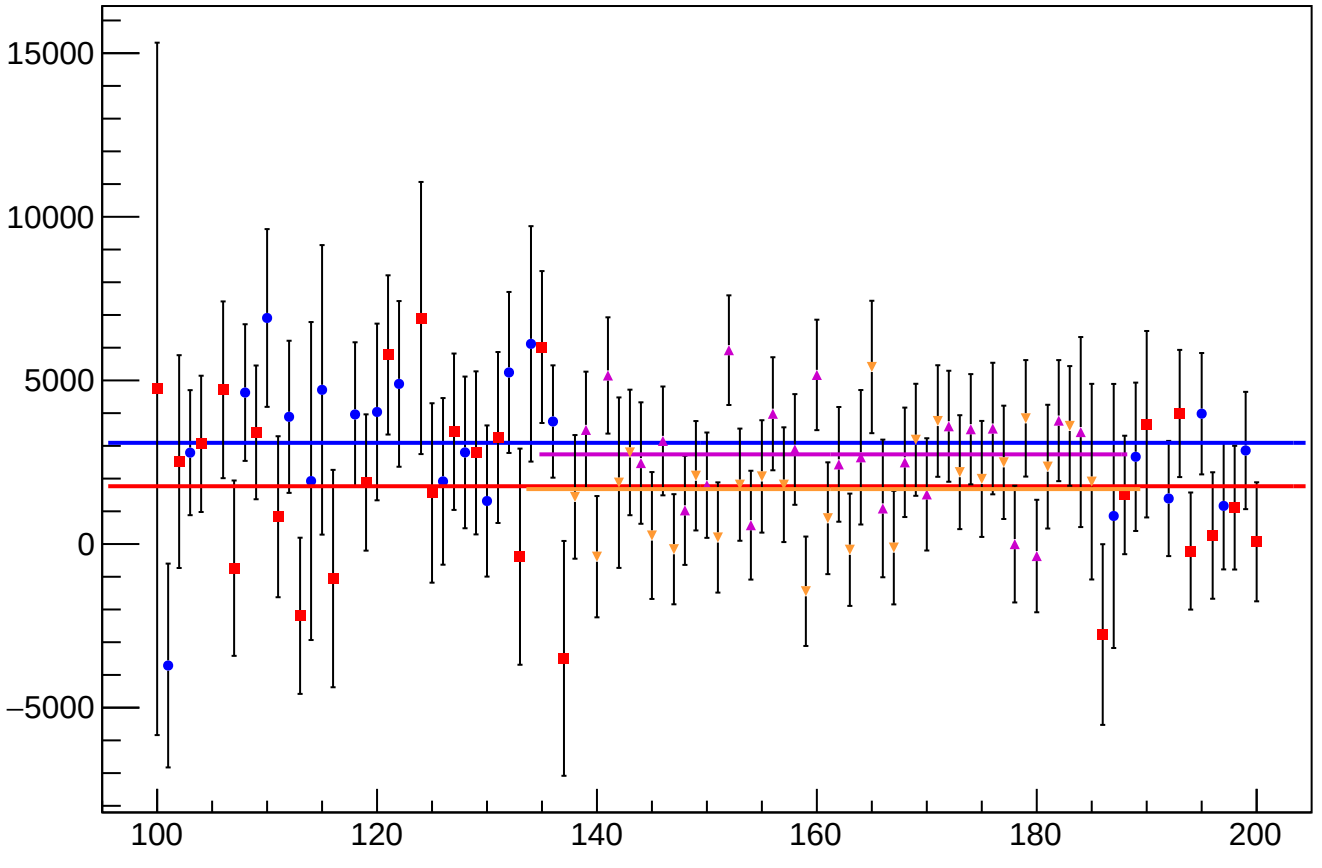
Right: -1290.964+/-1163.988 χ^2/NDF: 46.5/48

In: -259.124+/-1021.285 χ^2/NDF:36.7/44

Out: -441.277+/-969.556 χ^2/NDF:51.7/51

All: -354.930+/-703.156 χ^2/NDF: 88.5/96


asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5632.221+/-1.228 χ²/NDF: 1836879.8/21
Left Out: 5321.956+/-0.872 χ²/NDF:1037009.2/24
Right Out: 5389.312+/-1.109 χ²/NDF: 3016281.9/26
Left In: 5302.849+/-0.893 χ²/NDF:1152376.1/22
Left: 5312.625+/-0.624 χ²/NDF: 2189619.6/47
Right: 5498.401+/-0.823 χ²/NDF: 4874711.0/48
In: 5416.722+/-0.722 χ²/NDF:3036310.4/44
Out: 5347.701+/-0.686 χ²/NDF:4055570.3/51
All: 5380.420+/-0.497 χ²/NDF: 7096685.2/96



Right In: 3092.869+/-495.336 χ^2/NDF: 13.4/21

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

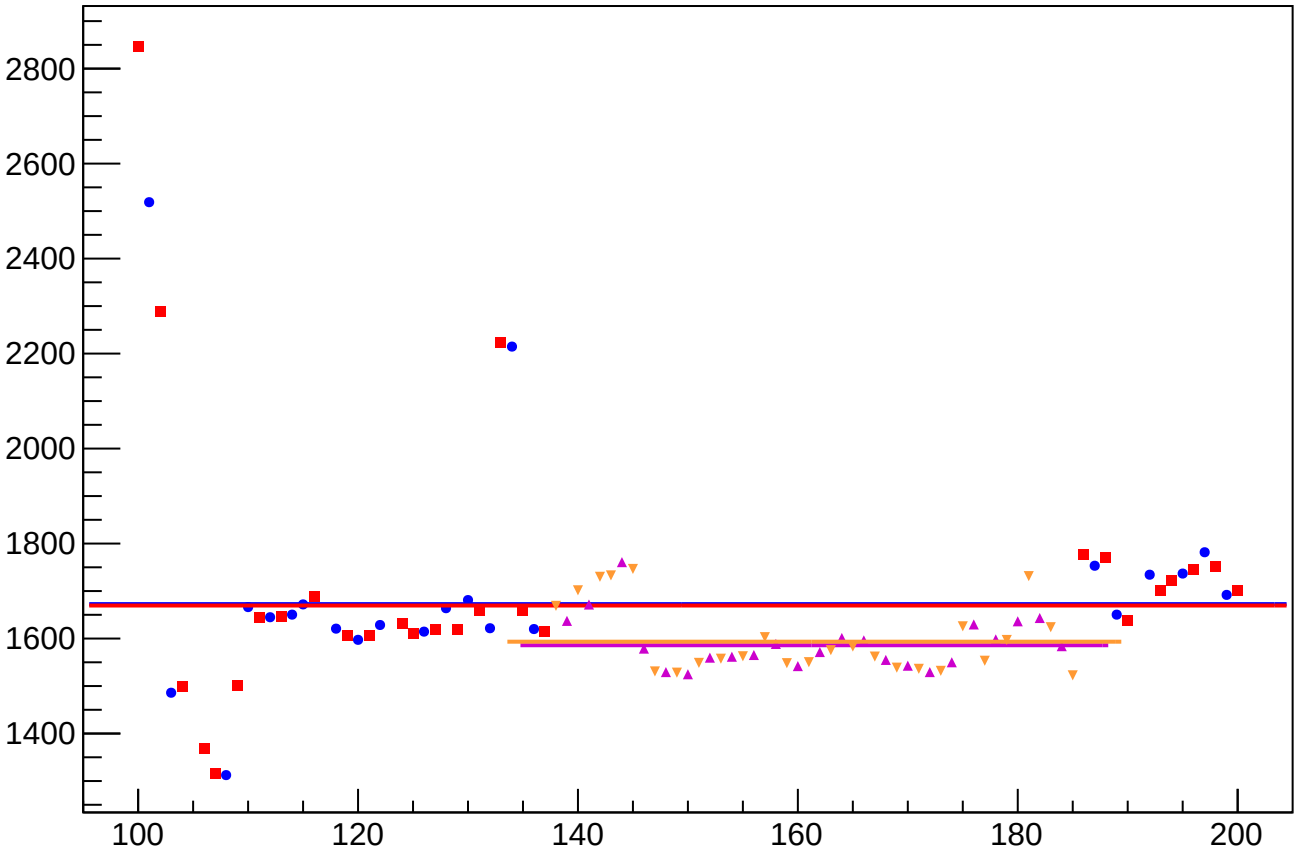
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2382.818+/-337.642 χ^2/NDF: 42.5/48

In: 2867.067+/-296.742 χ^2/NDF:32.9/44

Out: 1712.502+/-285.010 χ^2/NDF:44.3/51

All: 2266.511+/-205.555 χ^2/NDF: 85.0/96



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.5/21

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

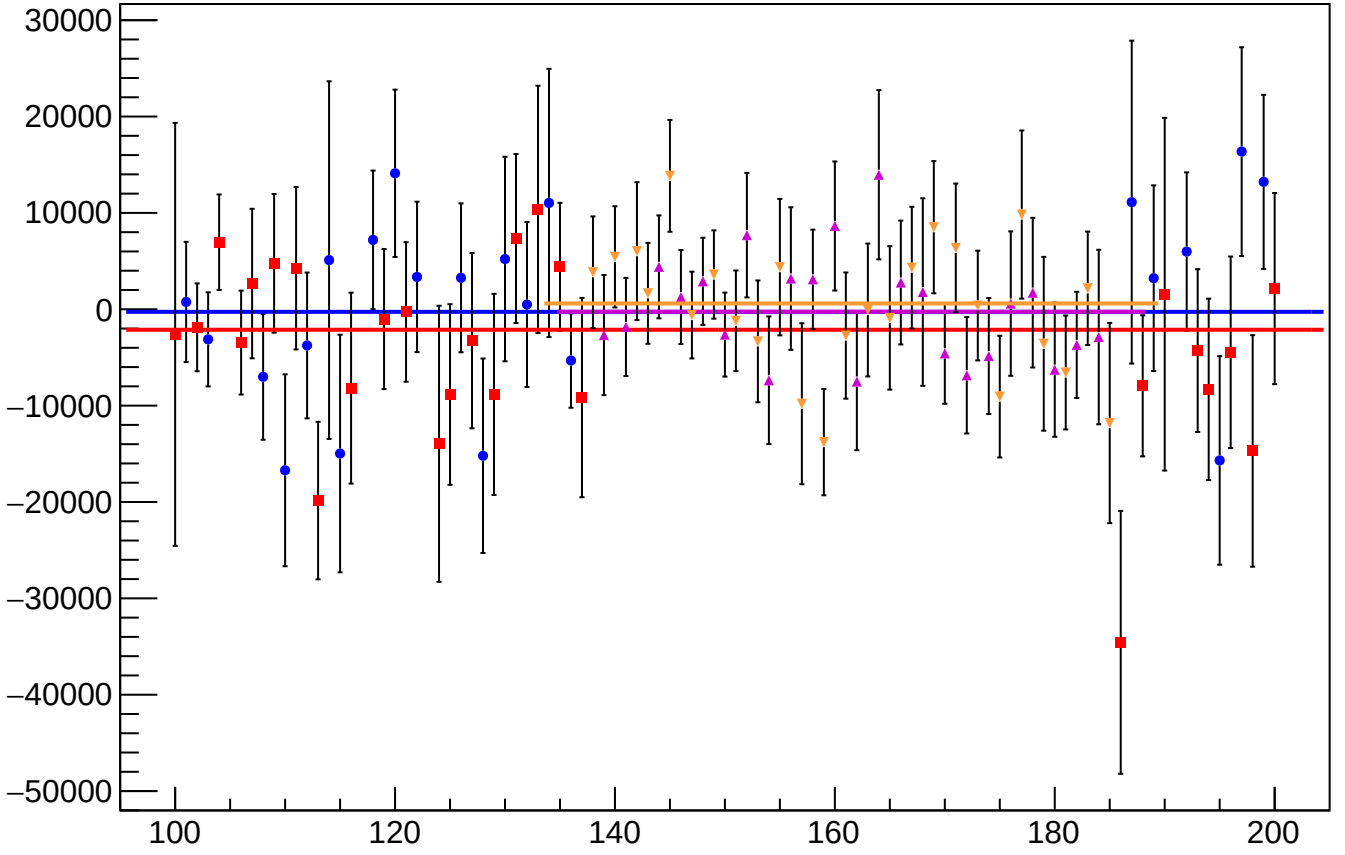
Right: 1670.921+/-0.239 χ^2/NDF: 558240.2/48

In: 1616.991+/-0.210 χ^2/NDF:372563.7/44

Out: 1622.461+/-0.201 χ^2/NDF:372326.2/51

All: 1619.837+/-0.145 χ^2/NDF: 745243.5/96

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -265.205+/-1736.916 χ^2/NDF: 22.1/21

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

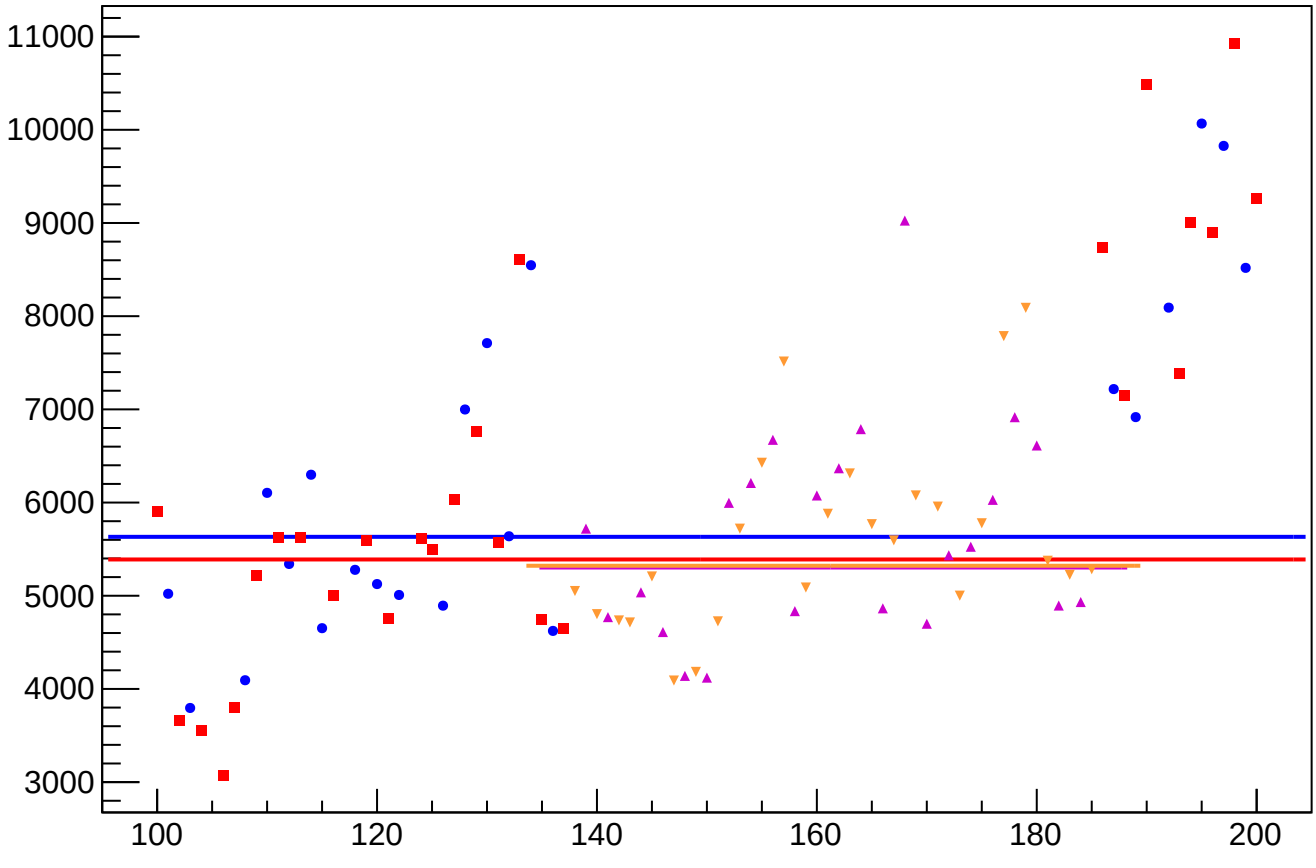
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1290.958+/-1163.987 χ^2/NDF: 46.5/48

In: -259.122+/-1021.286 χ^2/NDF:36.7/44

Out: -441.281+/-969.557 χ^2/NDF:51.7/51

All: -354.932+/-703.157 χ^2/NDF: 88.5/96



Right In: 5632.214+/-1.228 χ^2/NDF: 1836883.1/21

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

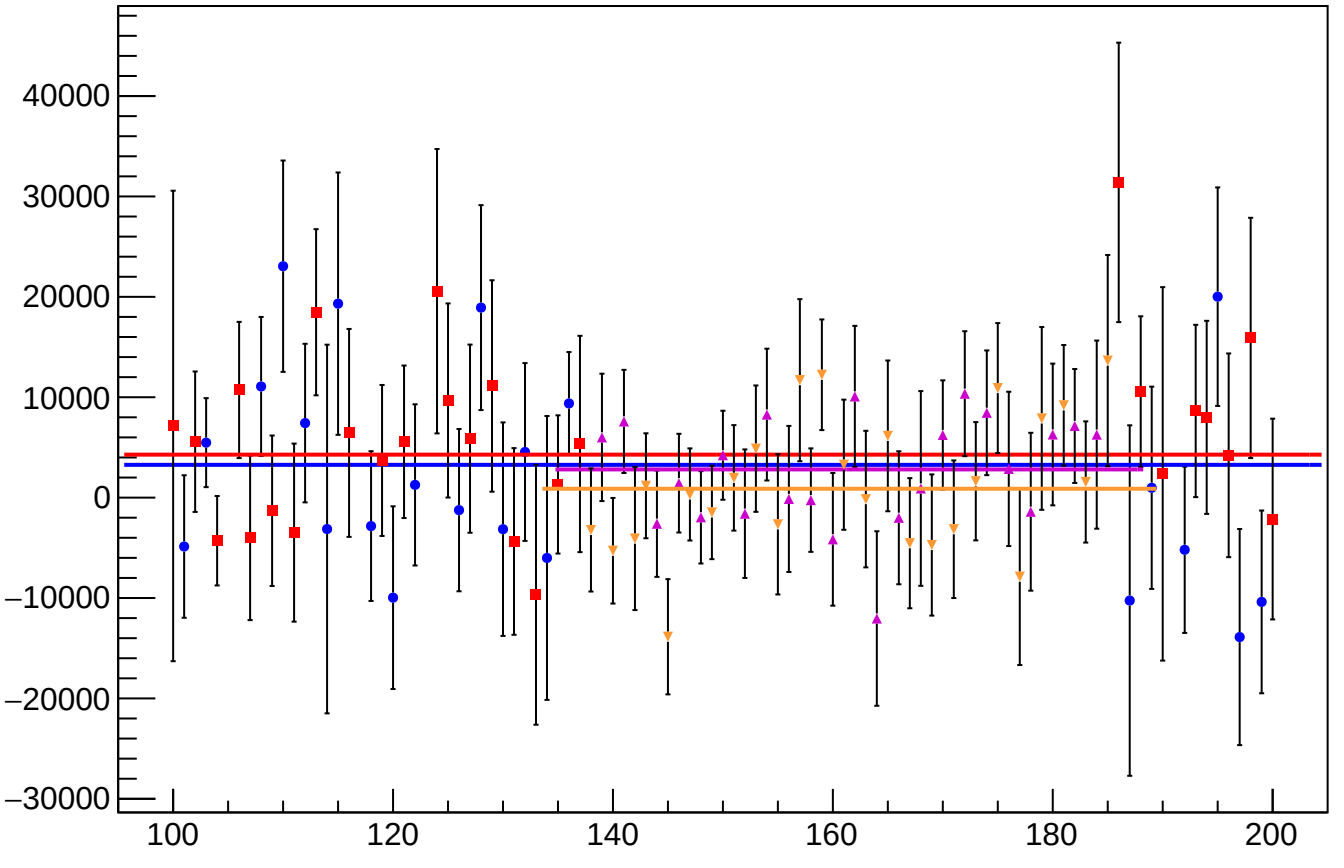
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5498.395+/-0.823 χ^2/NDF: 4874719.8/48

In: 5416.727+/-0.722 χ^2/NDF:3036313.3/44

Out: 5347.705+/-0.686 χ^2/NDF:4055576.8/51

All: 5380.423+/-0.497 χ^2/NDF: 7096694.8/96



Right In: 3265.842+/-1774.529 χ^2/NDF: 24.9/21

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

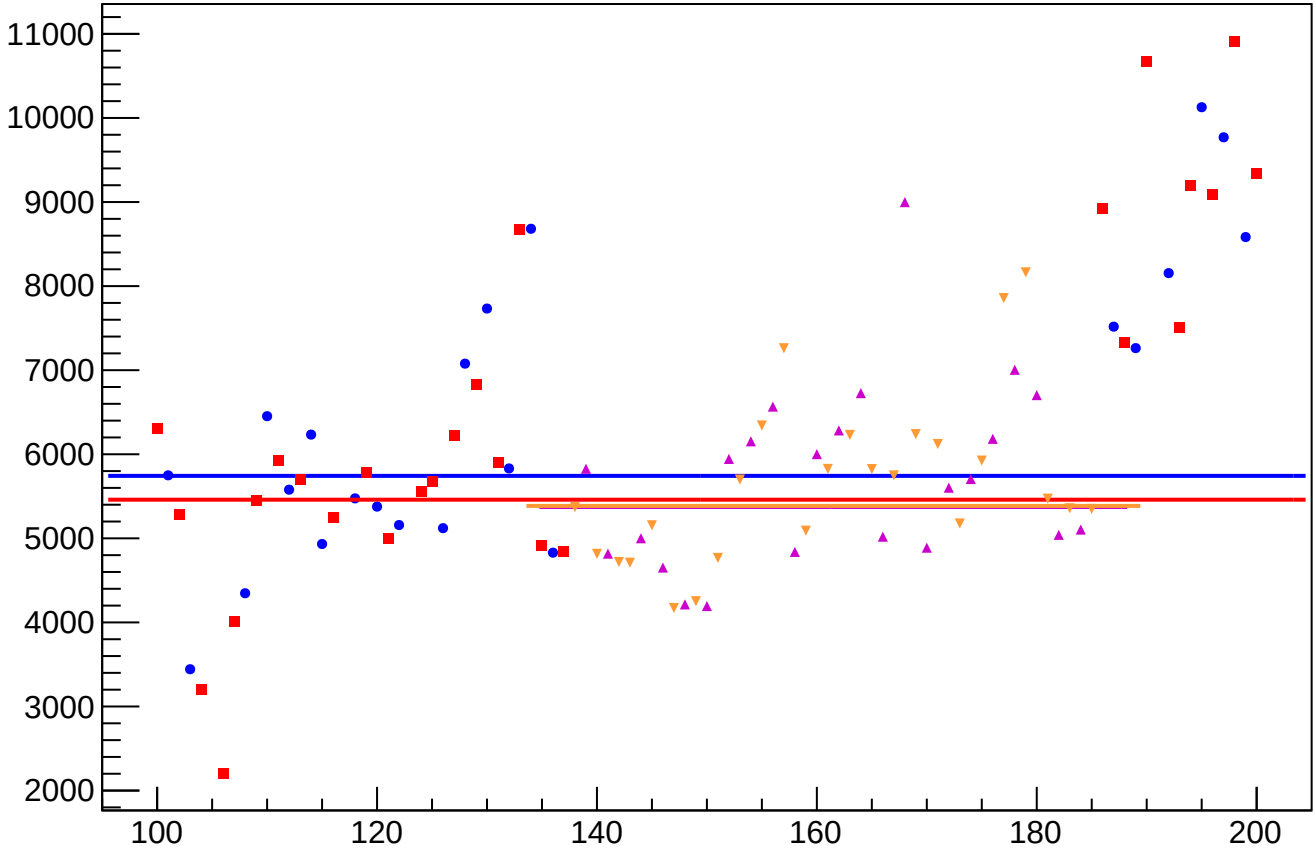
Right: 3805.015+/-1215.770 χ^2/NDF: 45.6/48

In: 2966.022+/-1036.633 χ^2/NDF:39.6/44

Out: 2101.623+/-998.713 χ^2/NDF:48.9/51

All: 2517.724+/-719.229 χ^2/NDF: 88.9/96

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5743.066+/-1.255 χ^2/NDF: 1956738.8/21

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

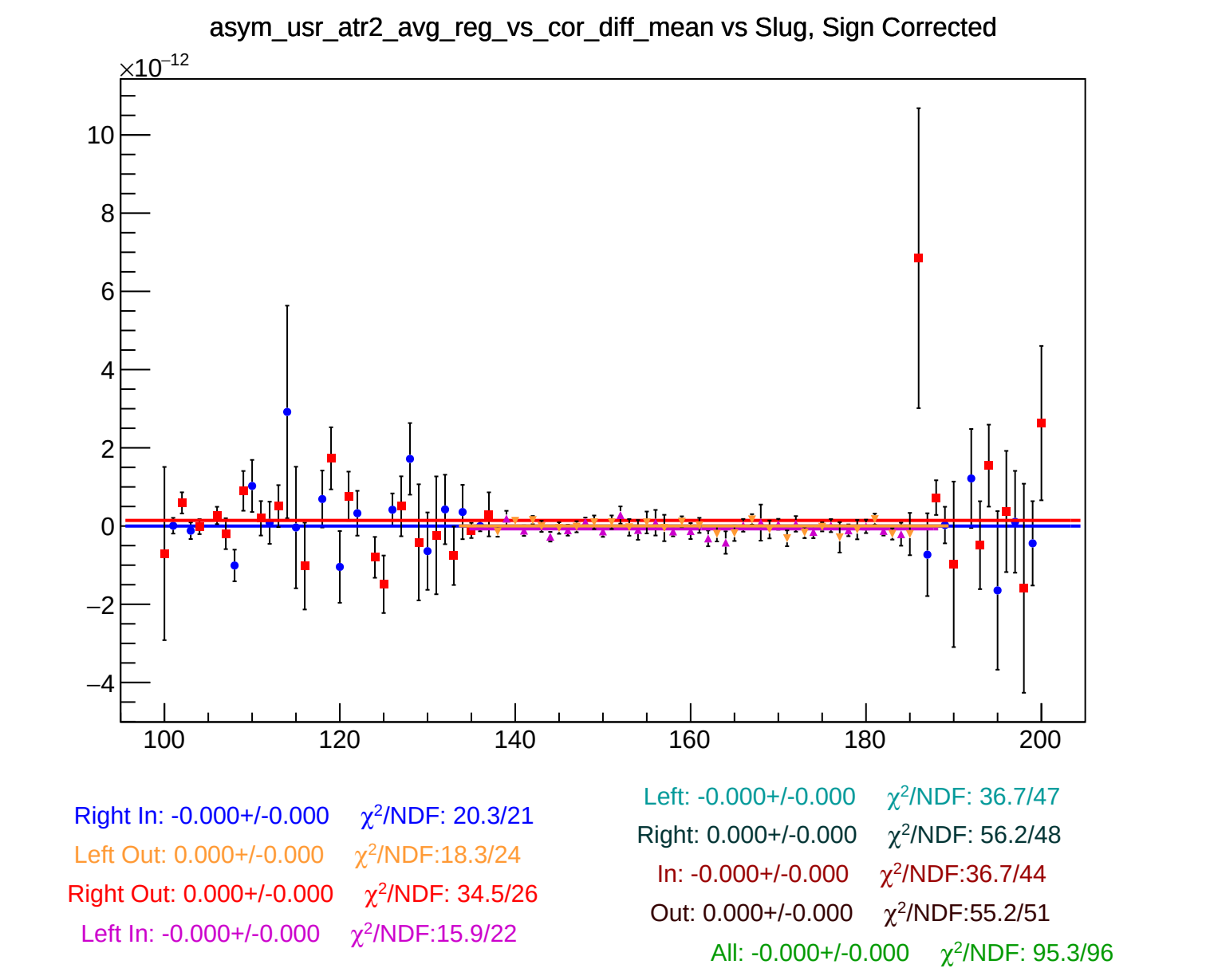
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

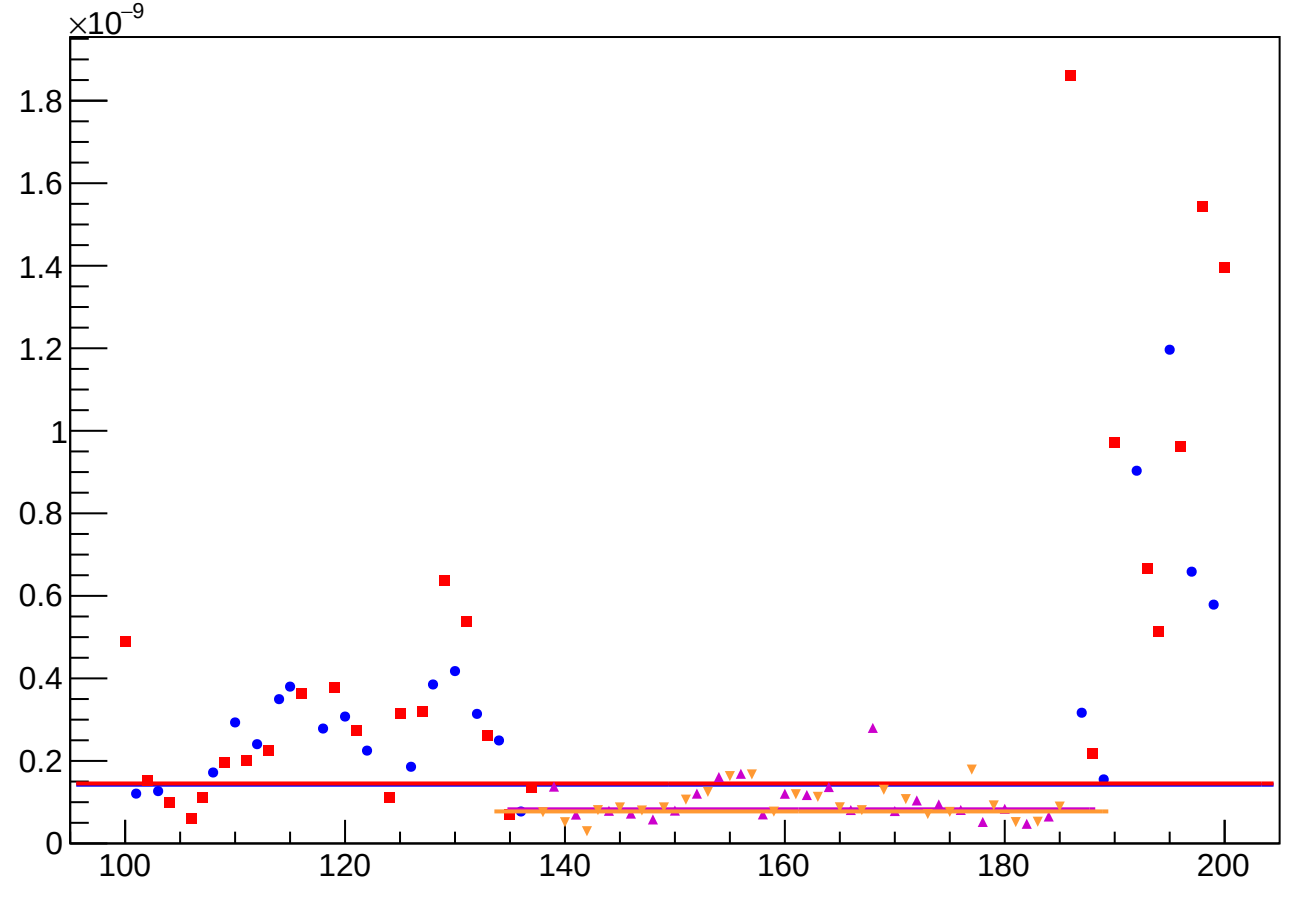
Right: 5588.350+/-0.845 χ^2/NDF: 5520889.0/48

In: 5499.200+/-0.733 χ^2/NDF:3085898.8/44

Out: 5413.228+/-0.698 χ^2/NDF:4526022.8/51

All: 5454.128+/-0.506 χ^2/NDF: 7619133.5/96


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: 20.3/21
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: 56.2/48
In: -0.000+/-0.000 χ²/NDF:36.7/44
Out: 0.000+/-0.000 χ²/NDF:55.2/51
All: -0.000+/-0.000 χ²/NDF: 95.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 3331262.5/21

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

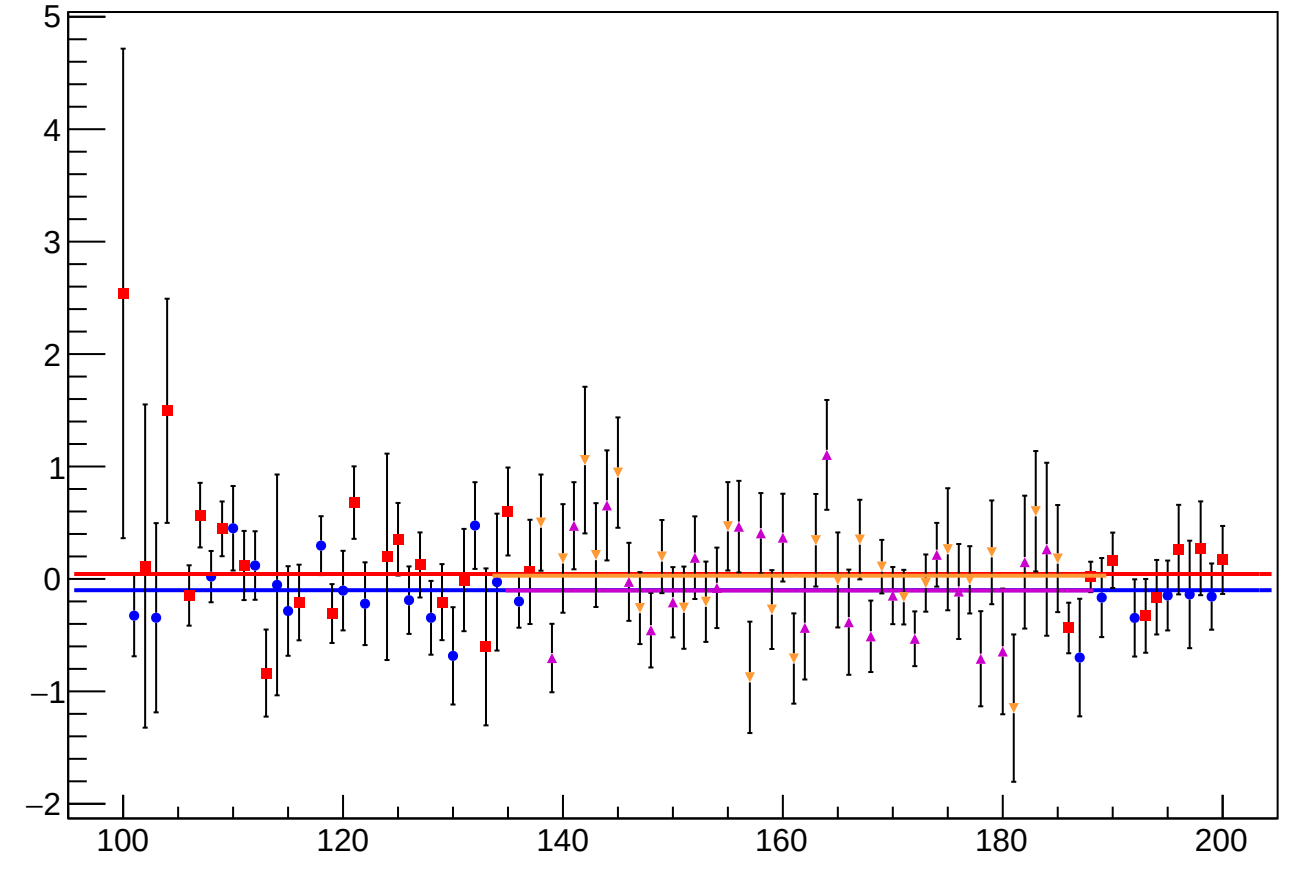
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8495022.3/48

In: 0.000+/-0.000 χ^2/NDF:5747011.2/44

Out: 0.000+/-0.000 χ^2/NDF:7877693.9/51

All: 0.000+/-0.000 χ^2/NDF: 13657647.9/96



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

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

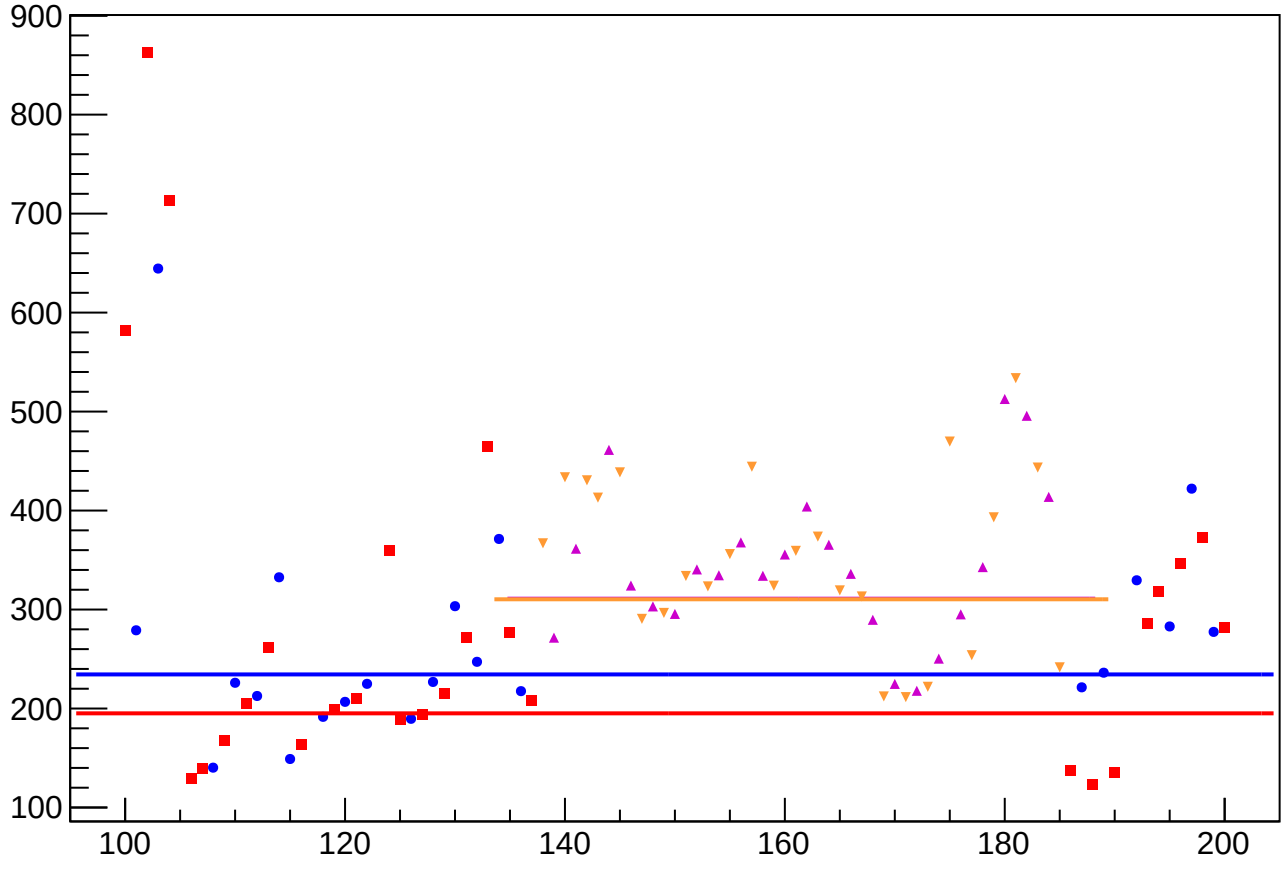
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.047 χ^2/NDF: 48.4/48

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.023+/-0.035 χ^2/NDF: 107.6/96



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

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

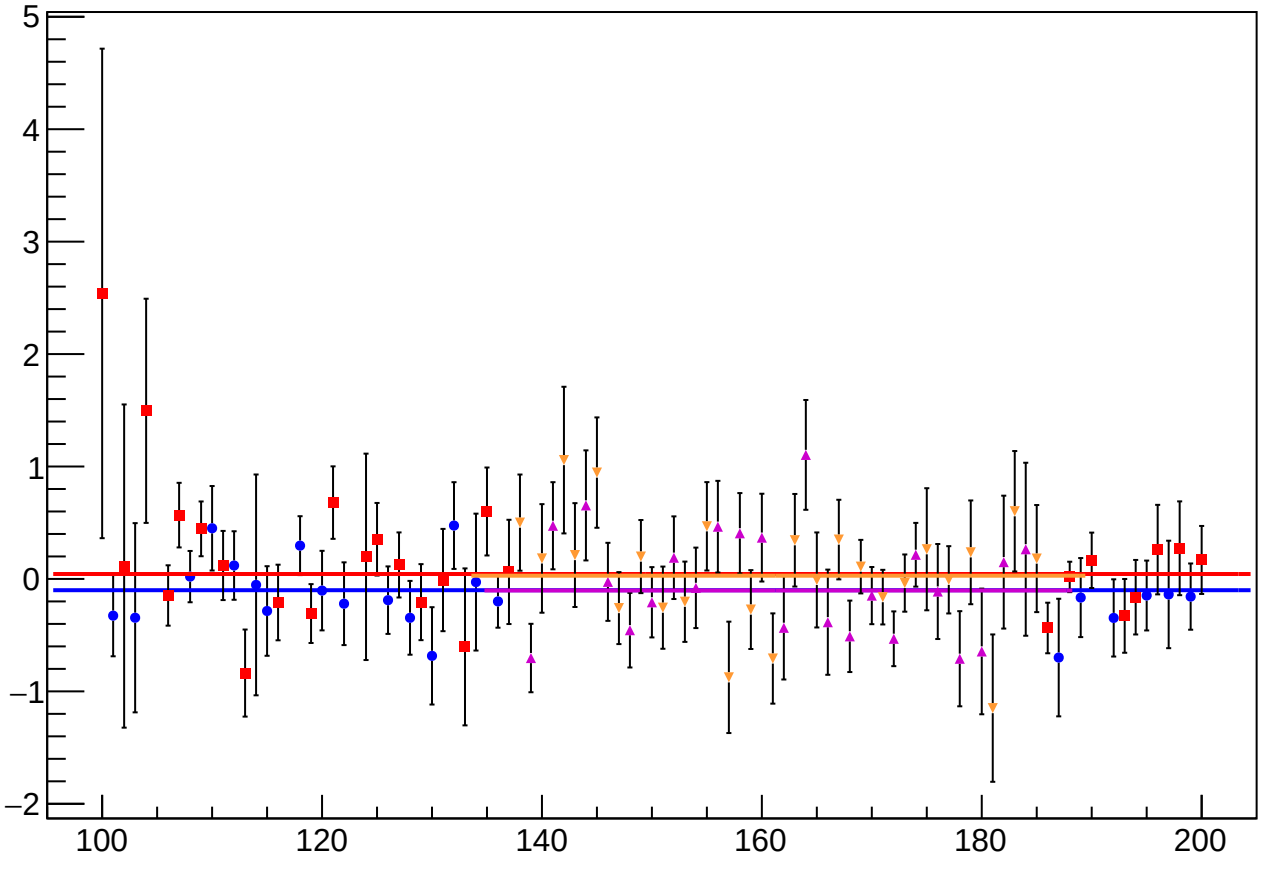
Right: 210.805+/-0.033 χ^2/NDF: 6062009.4/48

In: 271.479+/-0.038 χ^2/NDF:4440499.8/44

Out: 240.450+/-0.033 χ^2/NDF:9172619.4/51

All: 254.039+/-0.025 χ^2/NDF: 13997719.1/96

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

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

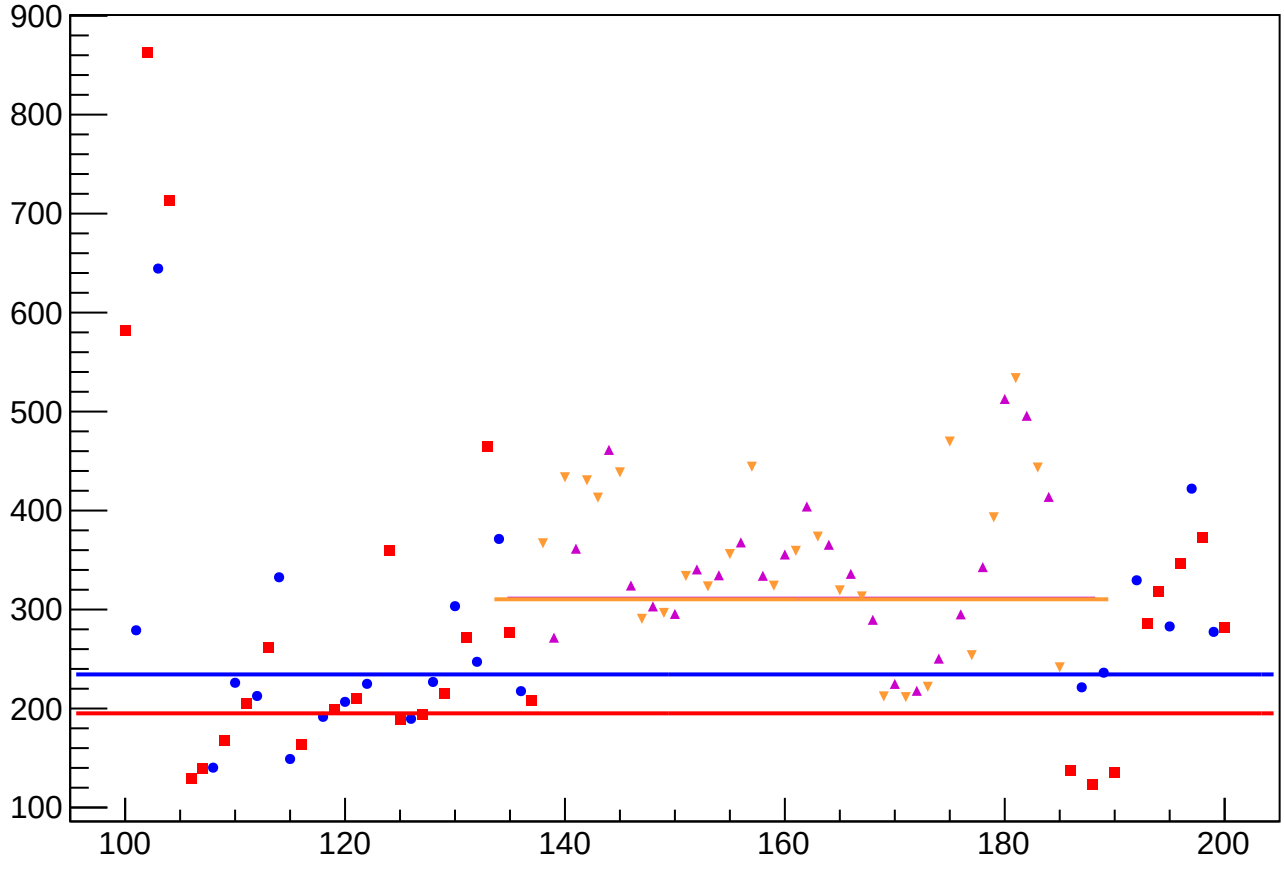
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.047 χ^2/NDF: 48.4/48

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.023+/-0.035 χ^2/NDF: 107.6/96



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

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

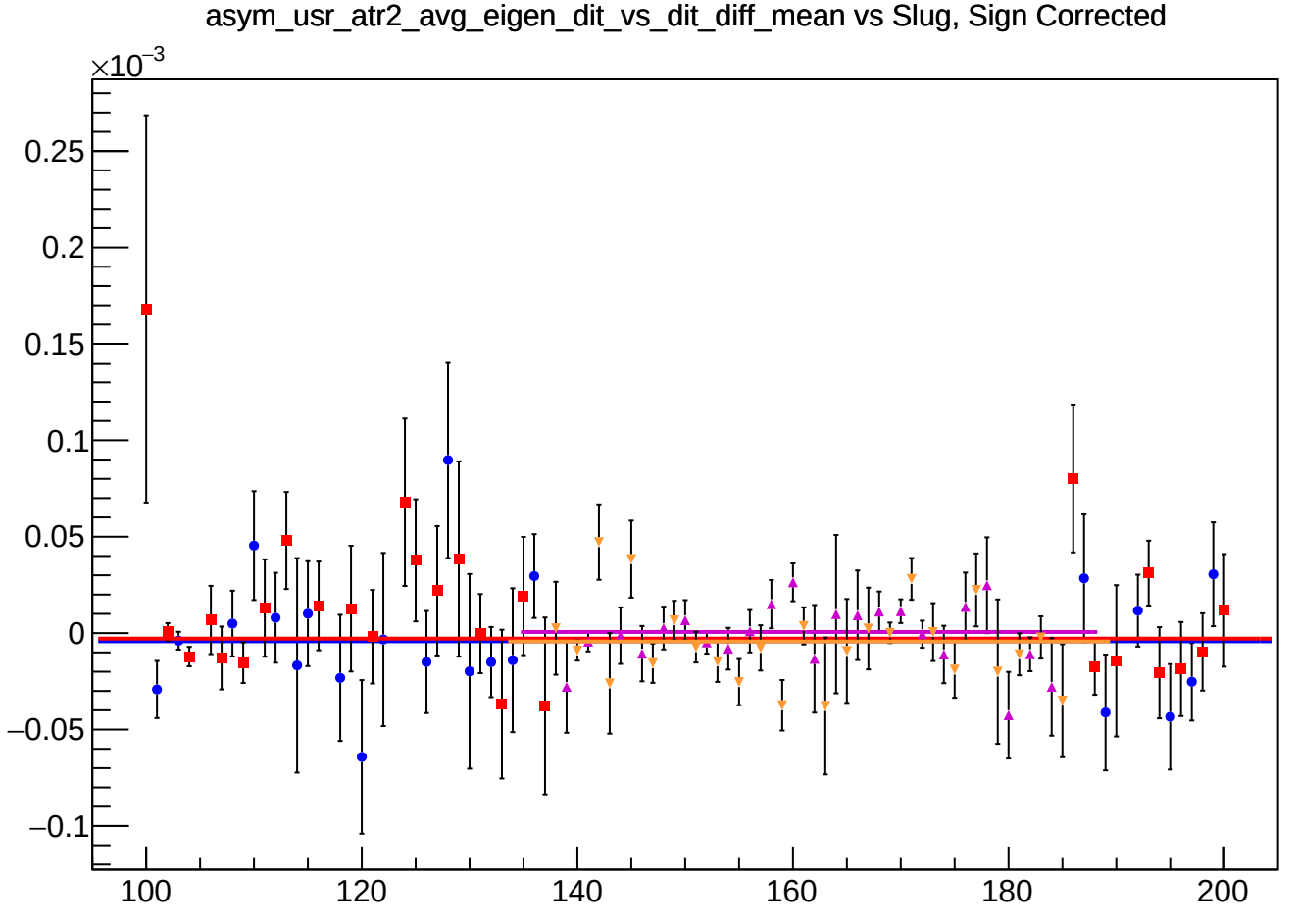
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 210.805+/-0.033 χ^2/NDF: 6062009.4/48

In: 271.479+/-0.038 χ^2/NDF:4440499.8/44

Out: 240.450+/-0.033 χ^2/NDF:9172619.4/51

All: 254.039+/-0.025 χ^2/NDF: 13997719.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

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

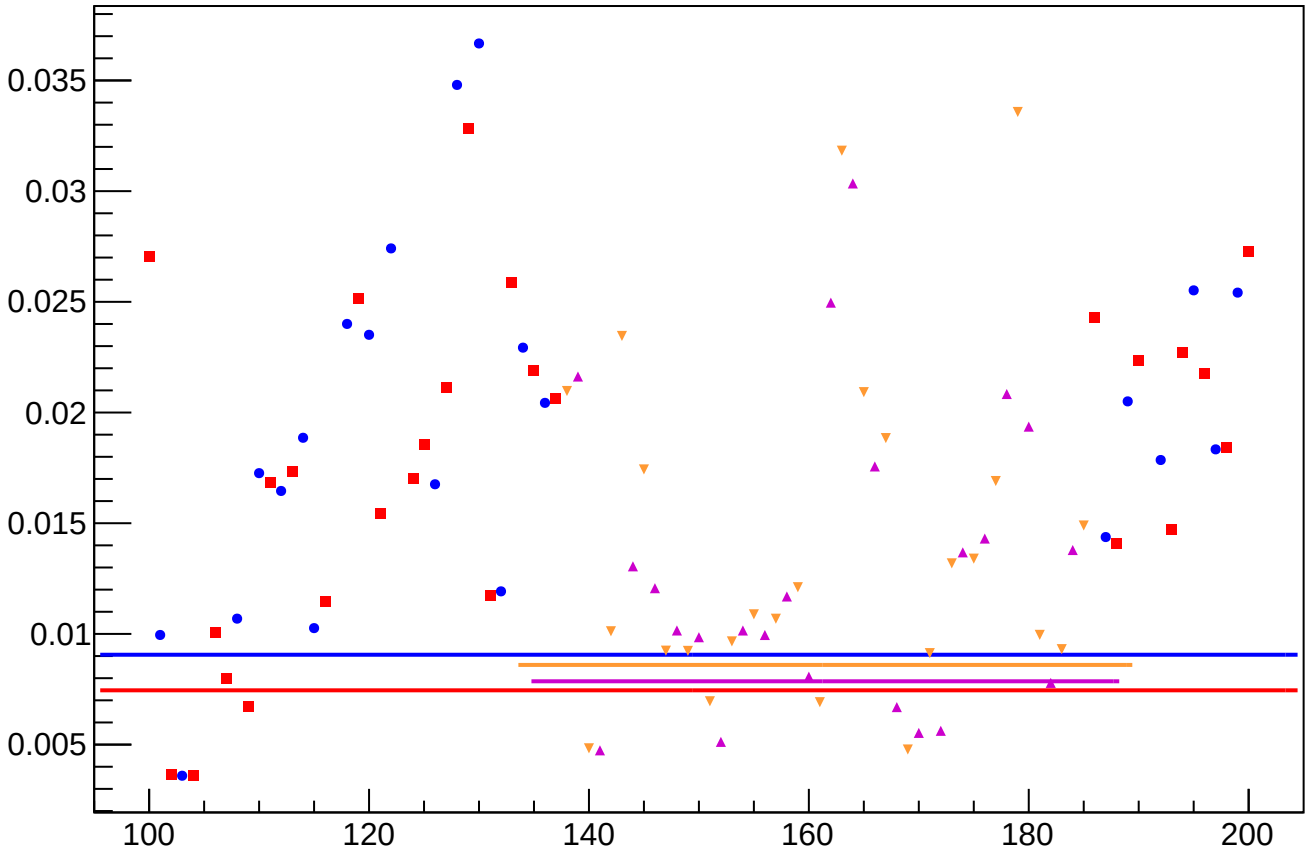
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.9/48

In: -0.000+/-0.000 χ^2/NDF:51.9/44

Out: -0.000+/-0.000 χ^2/NDF:75.3/51

All: -0.000+/-0.000 χ^2/NDF: 128.6/96



Right In: 0.009+/-0.000 χ^2/NDF: 9100394.1/21

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

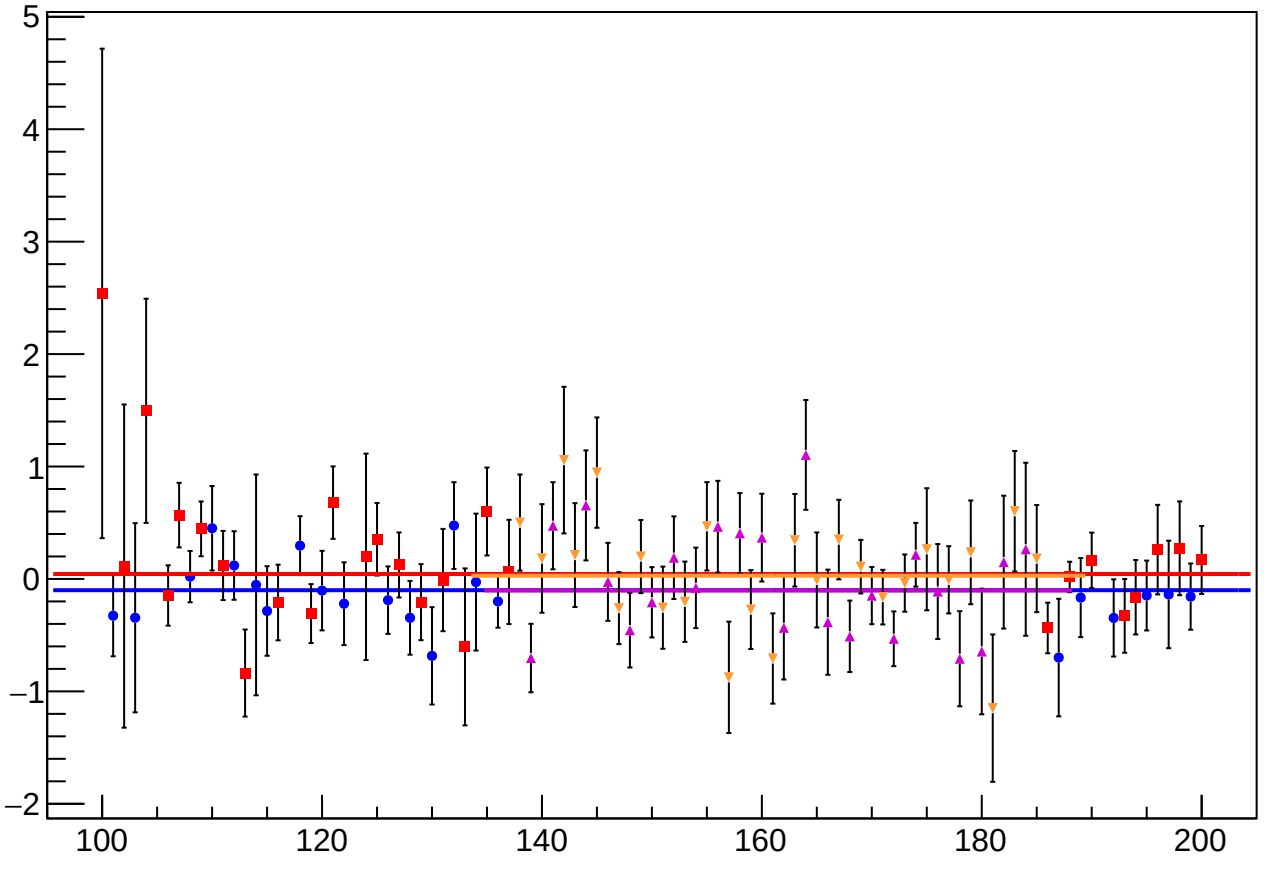
Right: 0.008+/-0.000 χ^2/NDF: 20330536.9/48

In: 0.008+/-0.000 χ^2/NDF:16047966.7/44

Out: 0.008+/-0.000 χ^2/NDF:18836202.6/51

All: 0.008+/-0.000 χ^2/NDF: 34884949.4/96

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

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

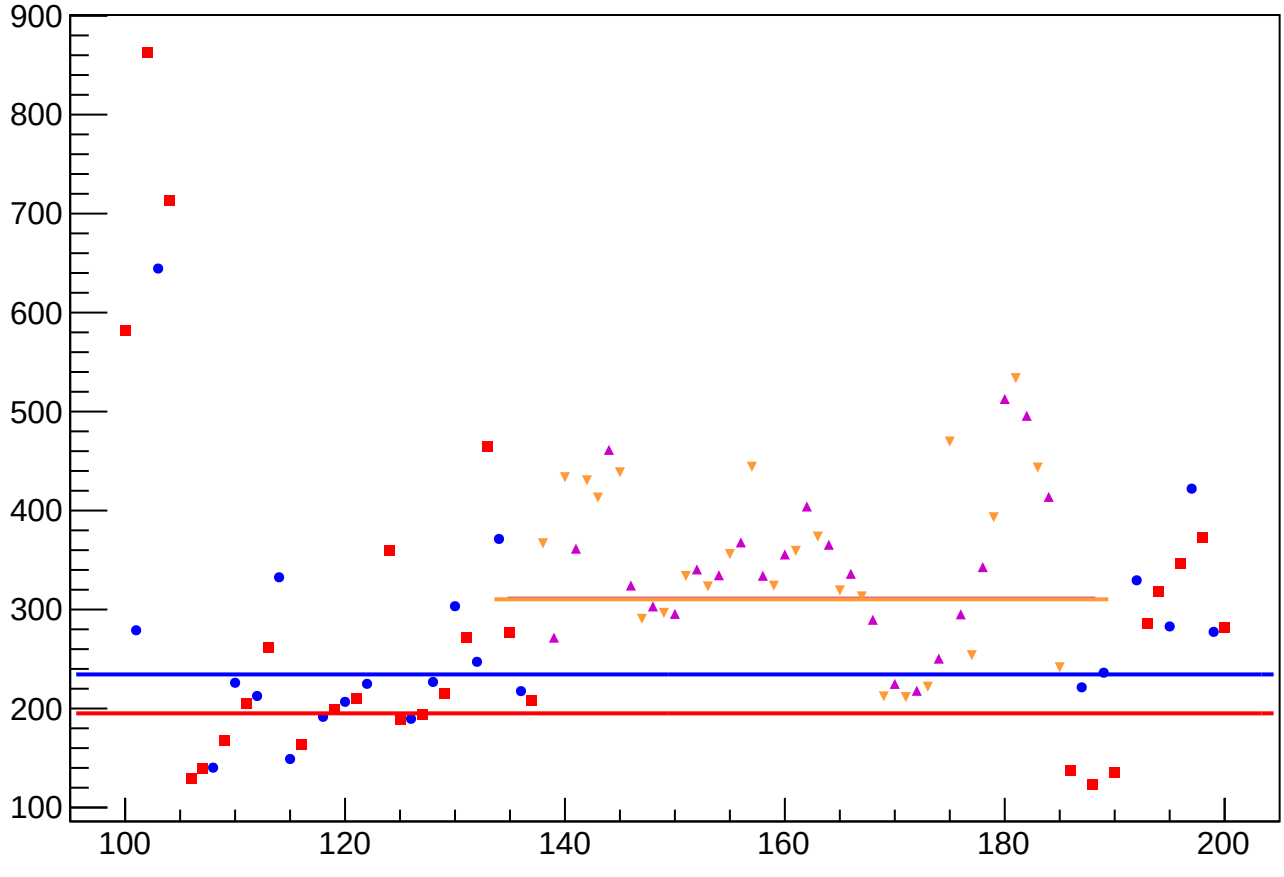
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.014+/-0.047 χ^2/NDF: 48.4/48

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.023+/-0.035 χ^2/NDF: 107.6/96



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

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

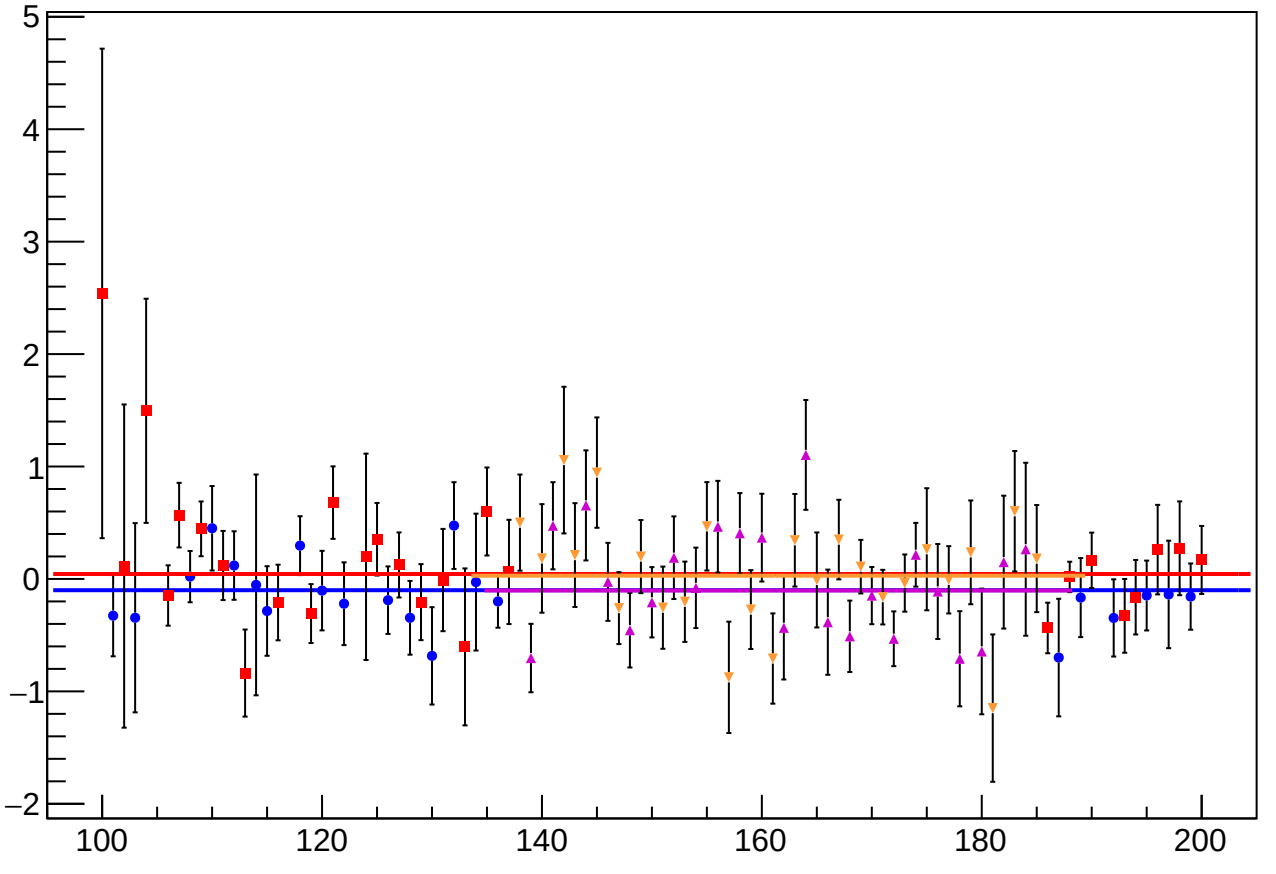
Right: 210.803+/-0.033 χ^2/NDF: 6062160.1/48

In: 271.480+/-0.038 χ^2/NDF:4440617.3/44

Out: 240.449+/-0.033 χ^2/NDF:9173100.2/51

All: 254.039+/-0.025 χ^2/NDF: 13998371.1/96

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

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

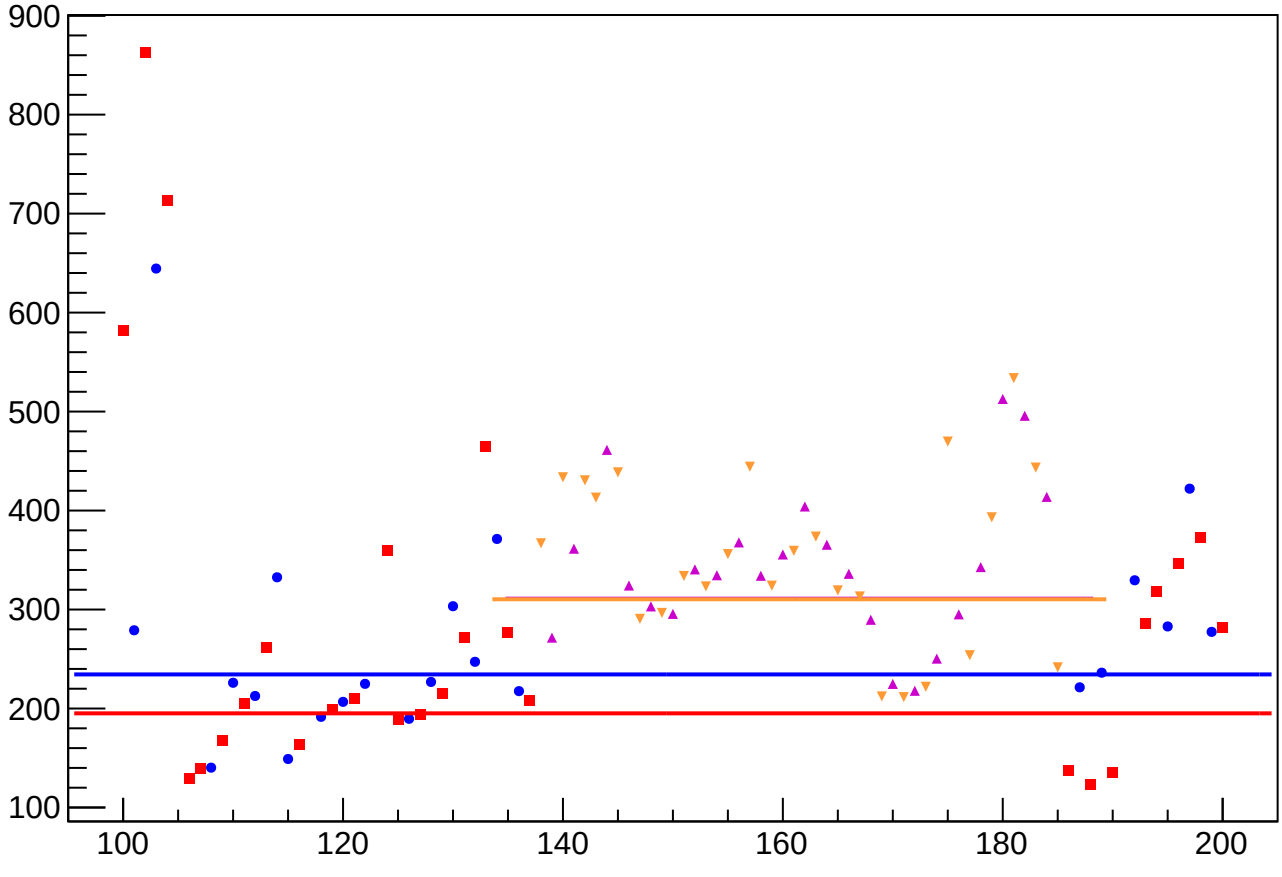
Right: -0.014+/-0.047 χ^2/NDF: 48.4/48

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.038+/-0.047 χ^2/NDF:58.6/51

All: -0.023+/-0.035 χ^2/NDF: 107.6/96

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

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

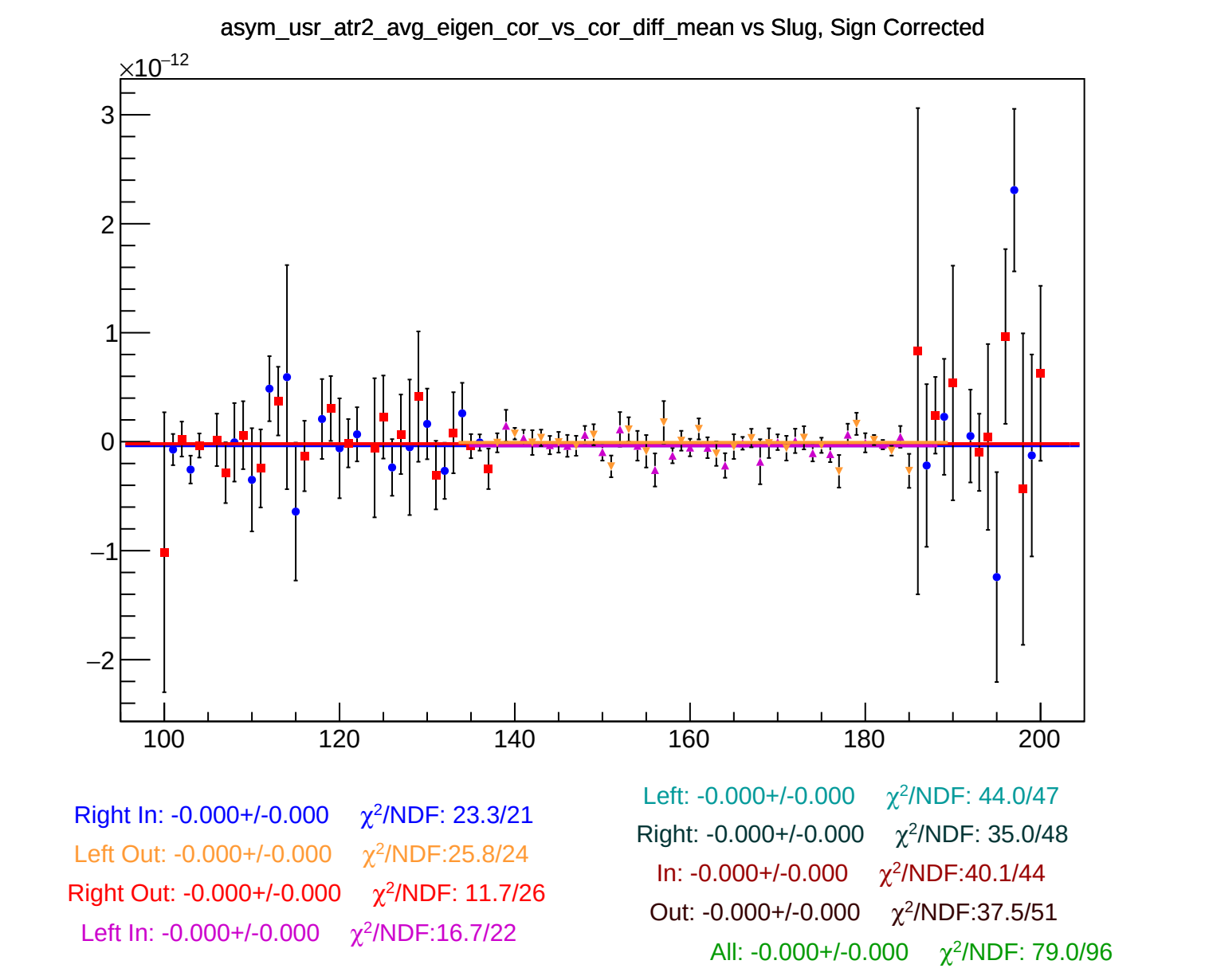
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

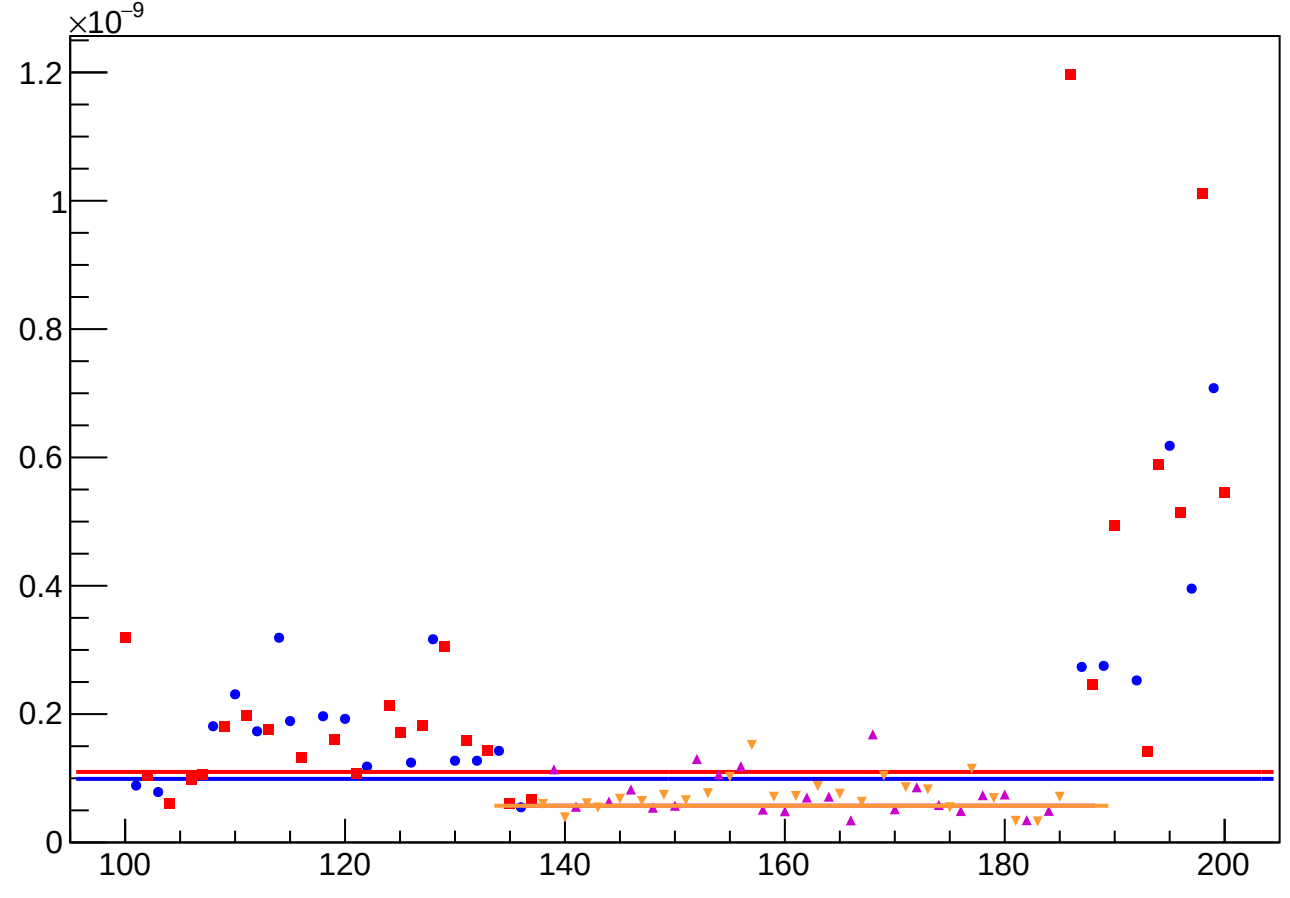
Right: 210.803+/-0.033 χ^2/NDF: 6062160.1/48

In: 271.480+/-0.038 χ^2/NDF:4440617.3/44

Out: 240.449+/-0.033 χ^2/NDF:9173100.2/51

All: 254.039+/-0.025 χ^2/NDF: 13998371.1/96


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: 23.3/21
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: 35.0/48
In: -0.000+/-0.000 χ²/NDF:40.1/44
Out: -0.000+/-0.000 χ²/NDF:37.5/51
All: -0.000+/-0.000 χ²/NDF: 79.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 4221115.1/21

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

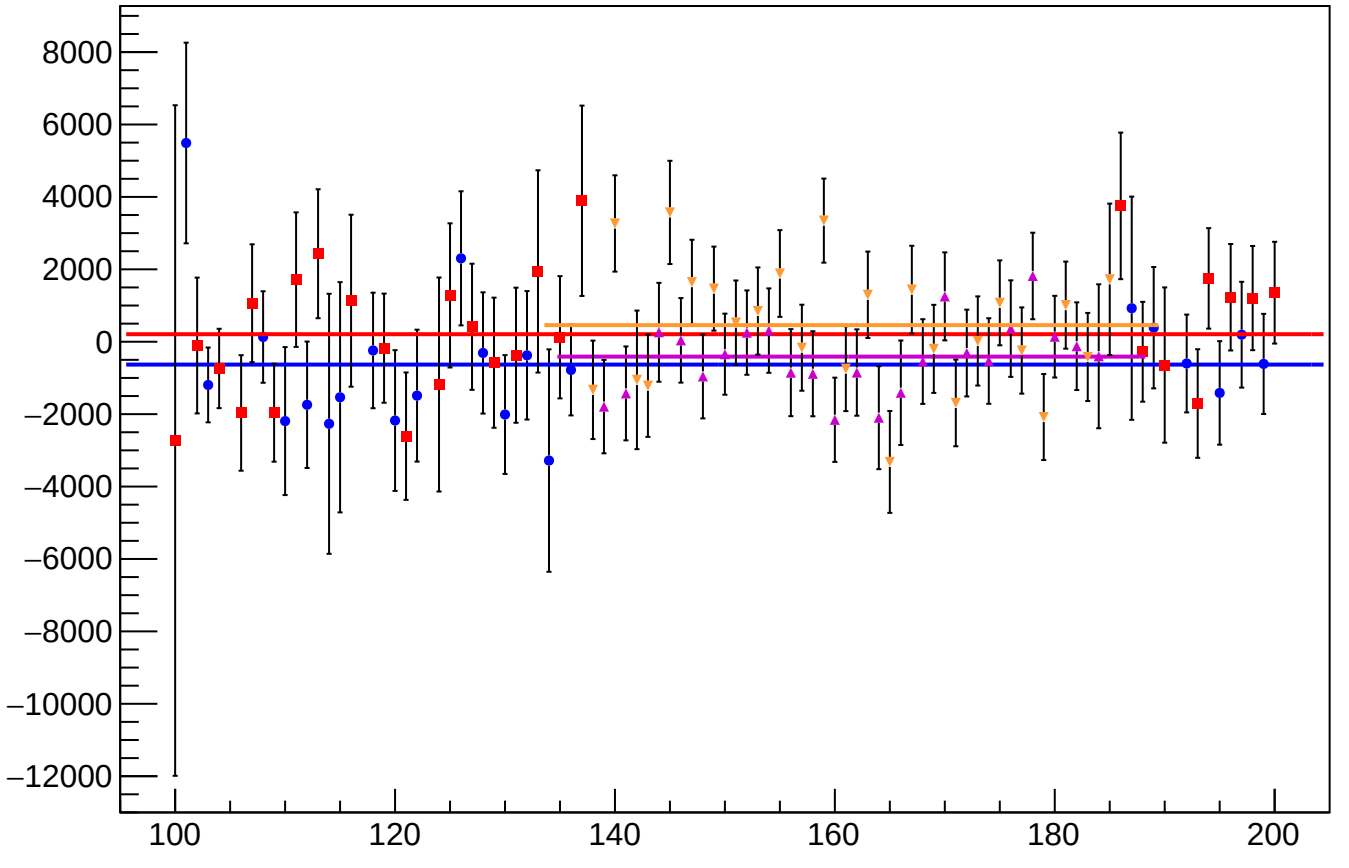
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9637764.7/48

In: 0.000+/-0.000 χ^2/NDF:8801775.3/44

Out: 0.000+/-0.000 χ^2/NDF:10656442.4/51

All: 0.000+/-0.000 χ^2/NDF: 19459262.3/96



Right In: -631.094+/-354.331 χ^2/NDF: 13.0/21

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

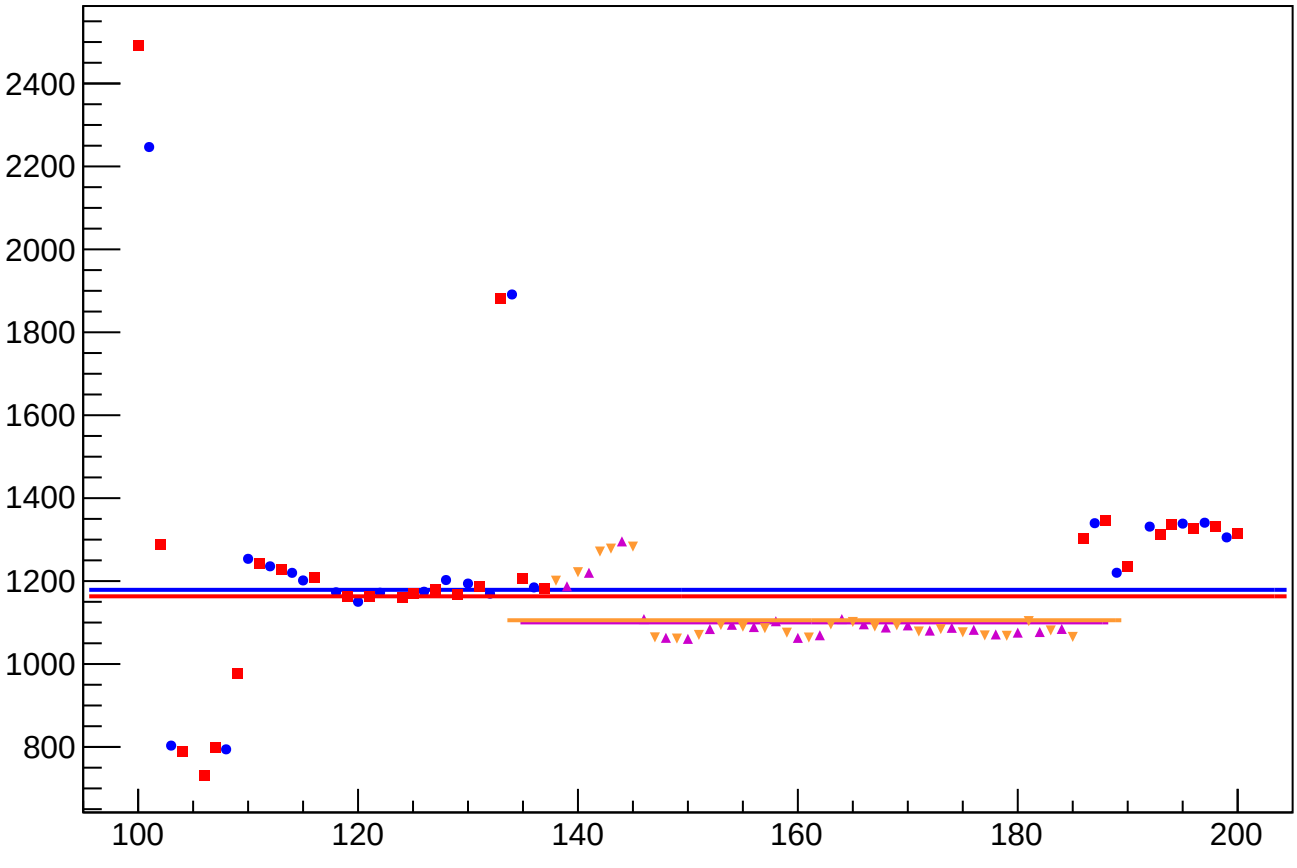
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -178.873+/-240.596 χ^2/NDF: 37.6/48

In: -487.121+/-208.146 χ^2/NDF:26.9/44

Out: 365.818+/-199.541 χ^2/NDF:64.0/51

All: -42.657+/-144.043 χ^2/NDF: 99.7/96



Right In: 1178.916+/-0.251 χ^2/NDF: 959232.4/21

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

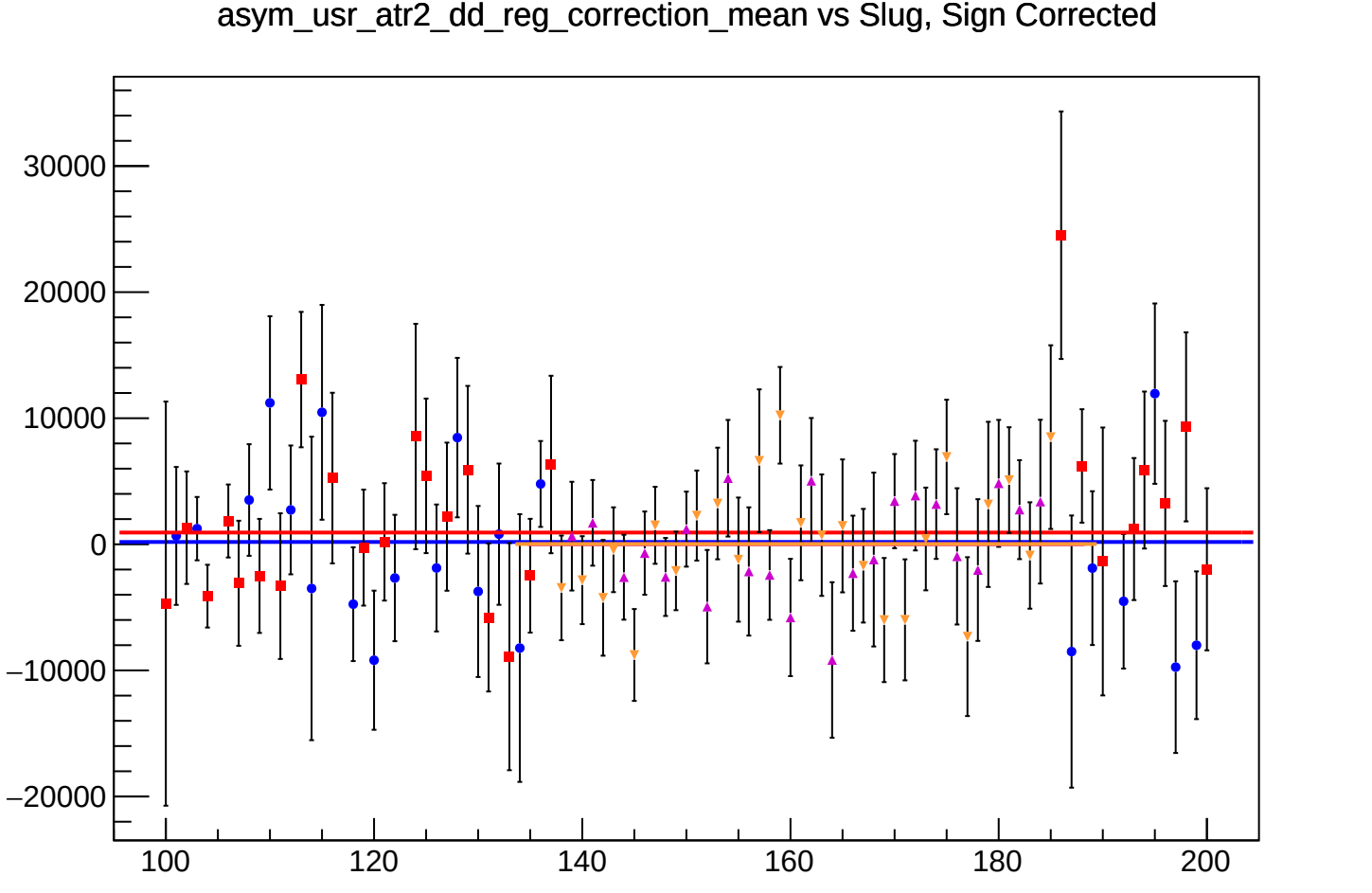
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

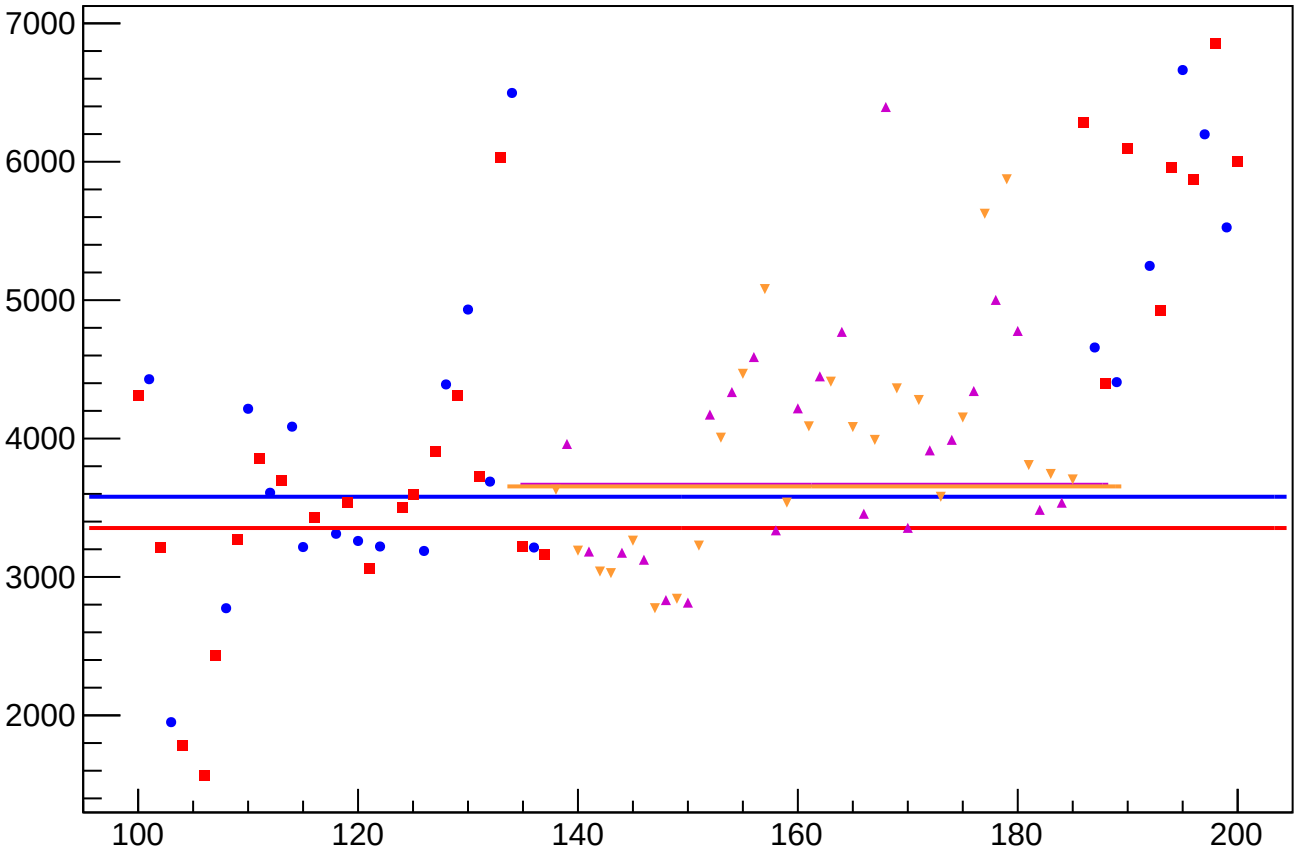
Right: 1170.440+/-0.170 χ^2/NDF: 1879237.4/48

In: 1127.461+/-0.147 χ^2/NDF:1103870.1/44

Out: 1127.087+/-0.141 χ^2/NDF:1079136.0/51

All: 1127.266+/-0.102 χ^2/NDF: 2183009.5/96


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 185.548+/-1118.778 χ²/NDF: 22.5/21
Left Out: 23.368+/-850.404 χ²/NDF:28.5/24
Right Out: 933.227+/-1001.377 χ²/NDF: 26.7/26
Left In: 6.317+/-875.256 χ²/NDF:14.0/22
Left: 15.088+/-609.923 χ²/NDF: 42.5/47
Right: 600.663+/-746.146 χ²/NDF: 49.5/48
In: 74.365+/-689.361 χ²/NDF:36.6/44
Out: 404.608+/-648.201 χ²/NDF:55.6/51
All: 249.640+/-472.228 χ²/NDF: 92.3/96



Right In: 3579.553+/-0.791 χ^2/NDF: 2443797.0/21

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

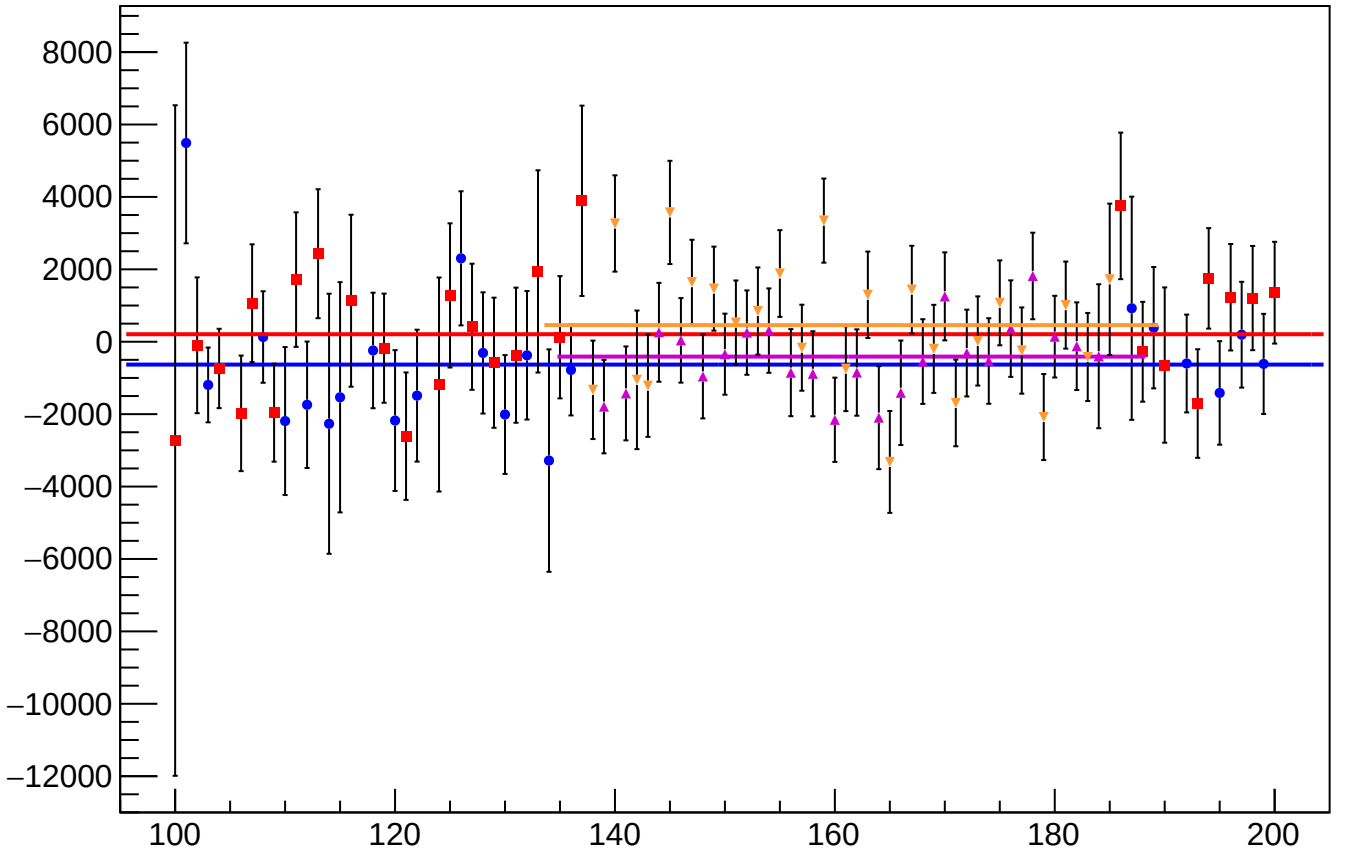
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3454.075+/-0.528 χ^2/NDF: 6411376.7/48

In: 3633.252+/-0.487 χ^2/NDF:3794933.9/44

Out: 3528.223+/-0.458 χ^2/NDF:5338769.8/51

All: 3577.509+/-0.334 χ^2/NDF: 9158343.3/96



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

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

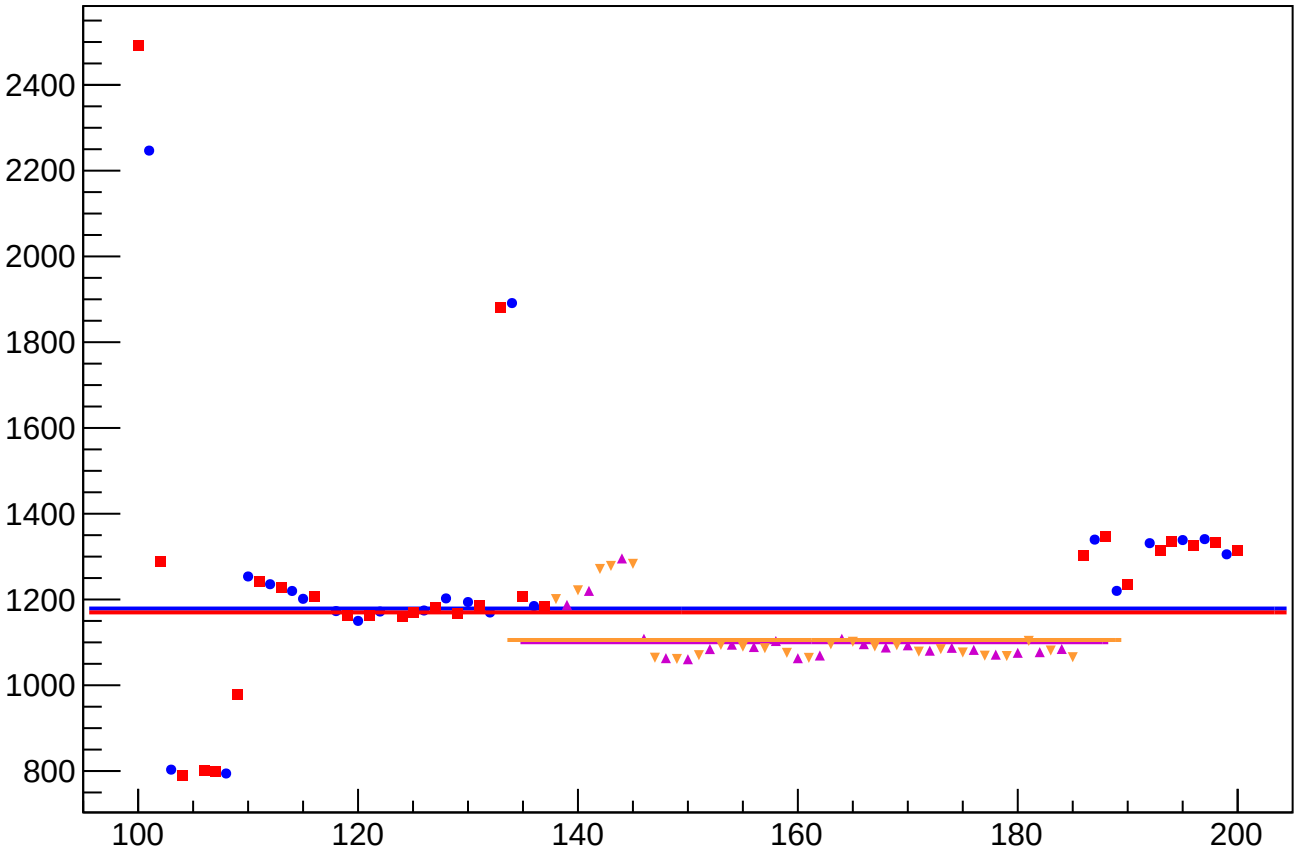
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -178.976+/-240.597 χ^2/NDF: 37.6/48

In: -487.058+/-208.146 χ^2/NDF:26.9/44

Out: 365.788+/-199.541 χ^2/NDF:64.0/51

All: -42.643+/-144.043 χ^2/NDF: 99.7/96



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

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

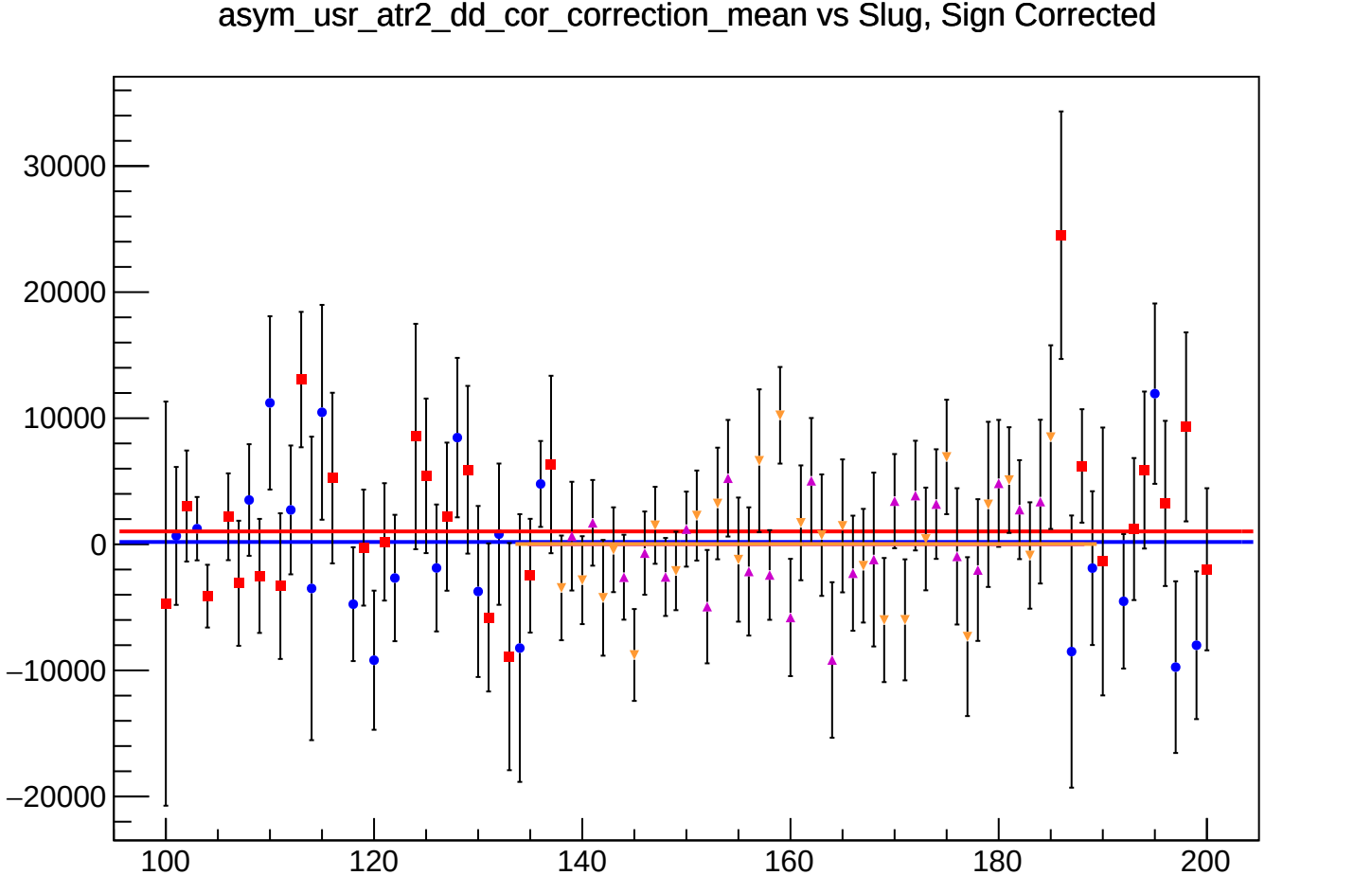
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1174.043+/-0.170 χ^2/NDF: 1802716.8/48

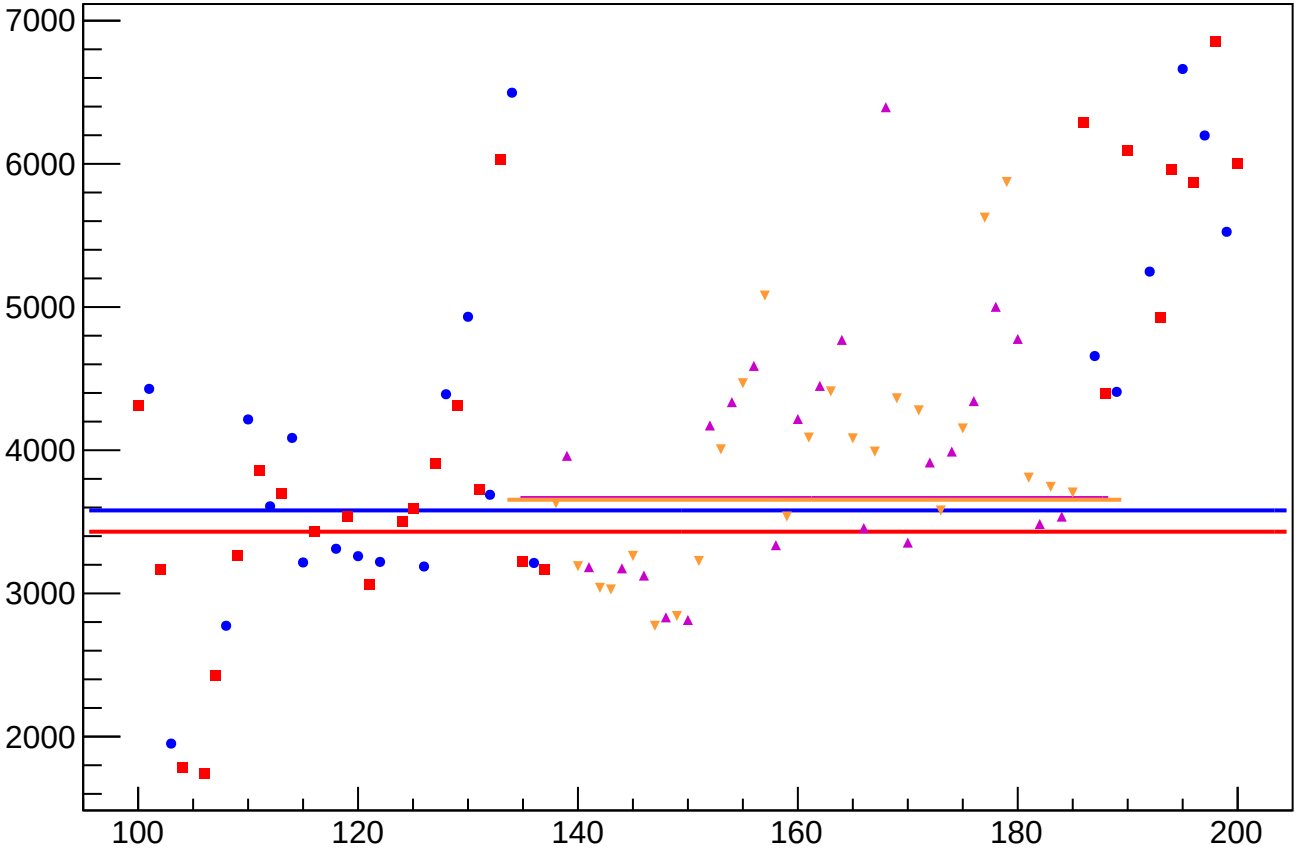
In: 1127.461+/-0.147 χ^2/NDF:1103866.5/44

Out: 1129.435+/-0.141 χ^2/NDF:1013314.5/51

All: 1128.490+/-0.102 χ^2/NDF: 2117274.8/96


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 185.059+/-1118.815 χ²/NDF: 22.5/21
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1021.988+/-1018.702 χ²/NDF: 26.9/26
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 642.636+/-753.243 χ²/NDF: 49.8/48
In: 74.209+/-689.369 χ²/NDF:36.6/44
Out: 433.481+/-652.830 χ²/NDF:56.0/51
All: 263.618+/-474.012 χ²/NDF: 92.7/96

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

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

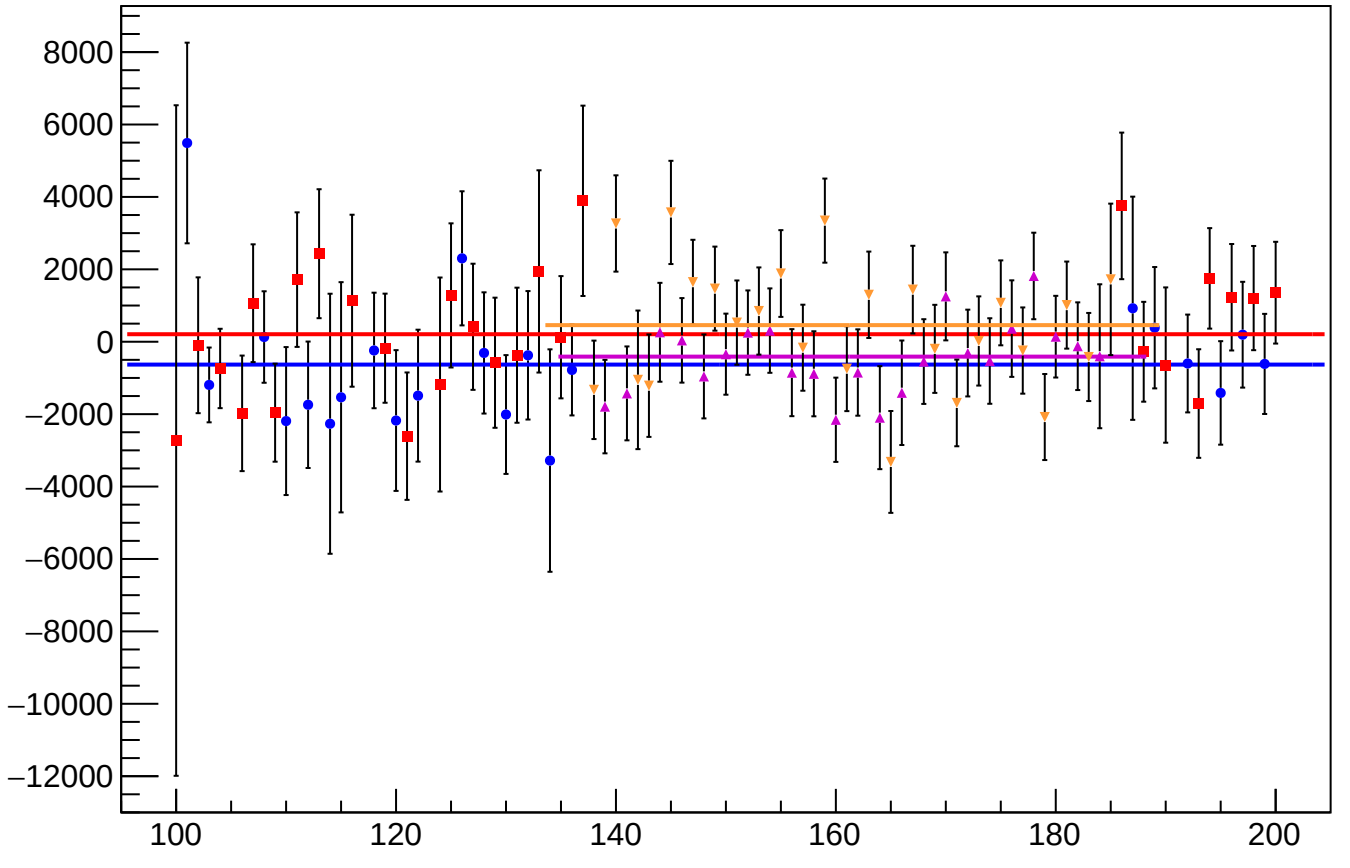
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3498.437+/-0.533 χ^2/NDF: 6049452.1/48

In: 3633.319+/-0.487 χ^2/NDF:3794253.8/44

Out: 3562.549+/-0.462 χ^2/NDF:4955320.7/51

All: 3596.009+/-0.335 χ^2/NDF: 8760686.6/96



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

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

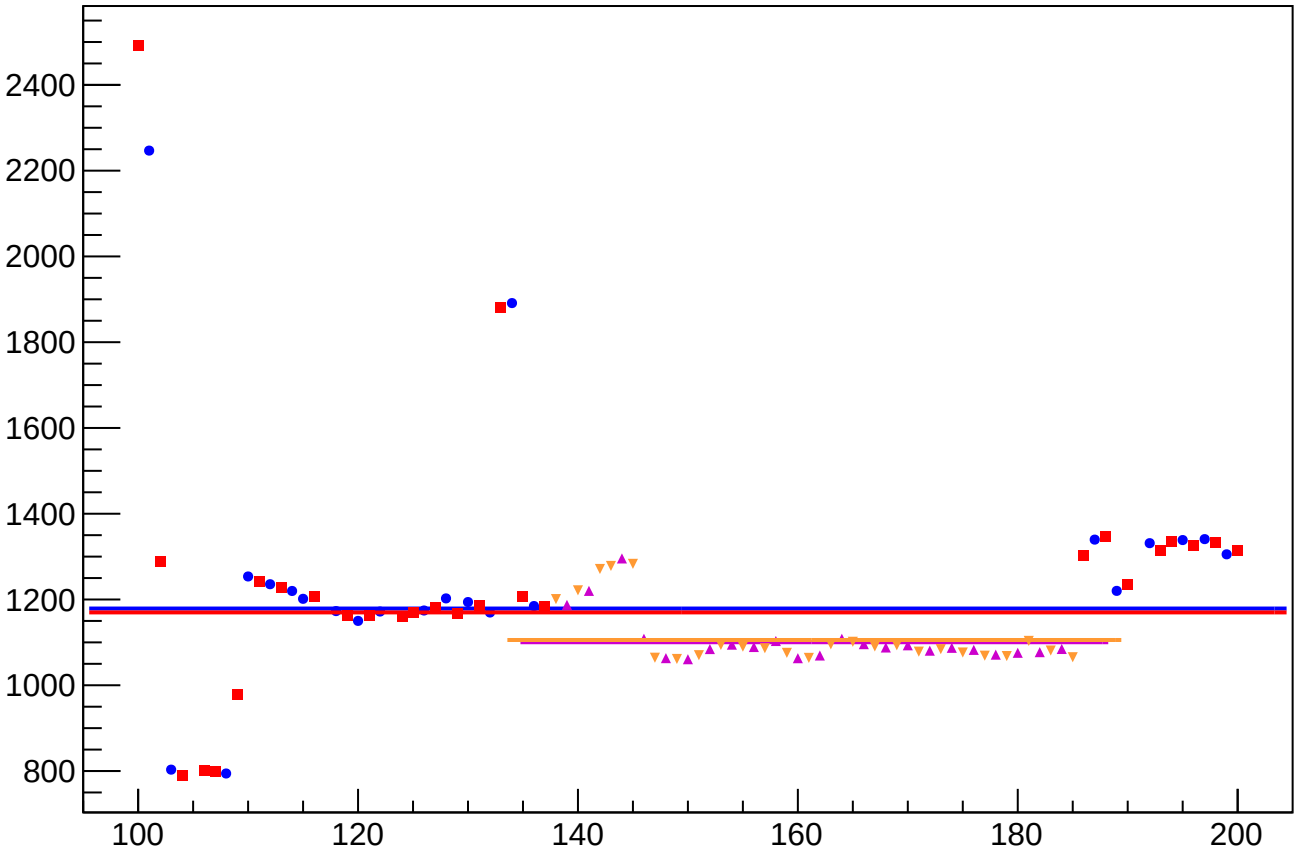
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -178.976+/-240.597 χ^2/NDF: 37.6/48

In: -487.058+/-208.146 χ^2/NDF:26.9/44

Out: 365.788+/-199.541 χ^2/NDF:64.0/51

All: -42.643+/-144.043 χ^2/NDF: 99.7/96



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

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

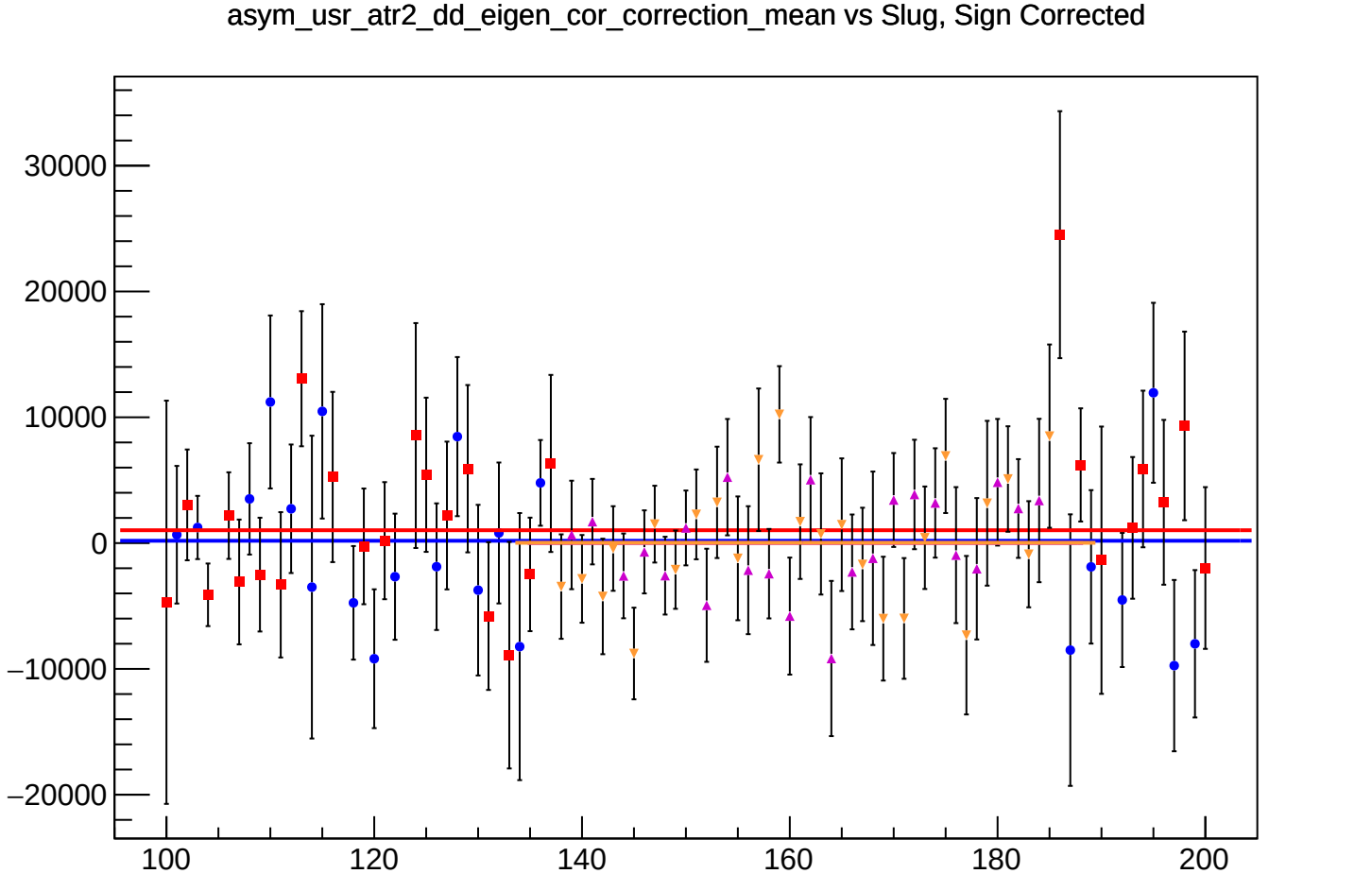
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1174.043+/-0.170 χ^2/NDF: 1802716.8/48

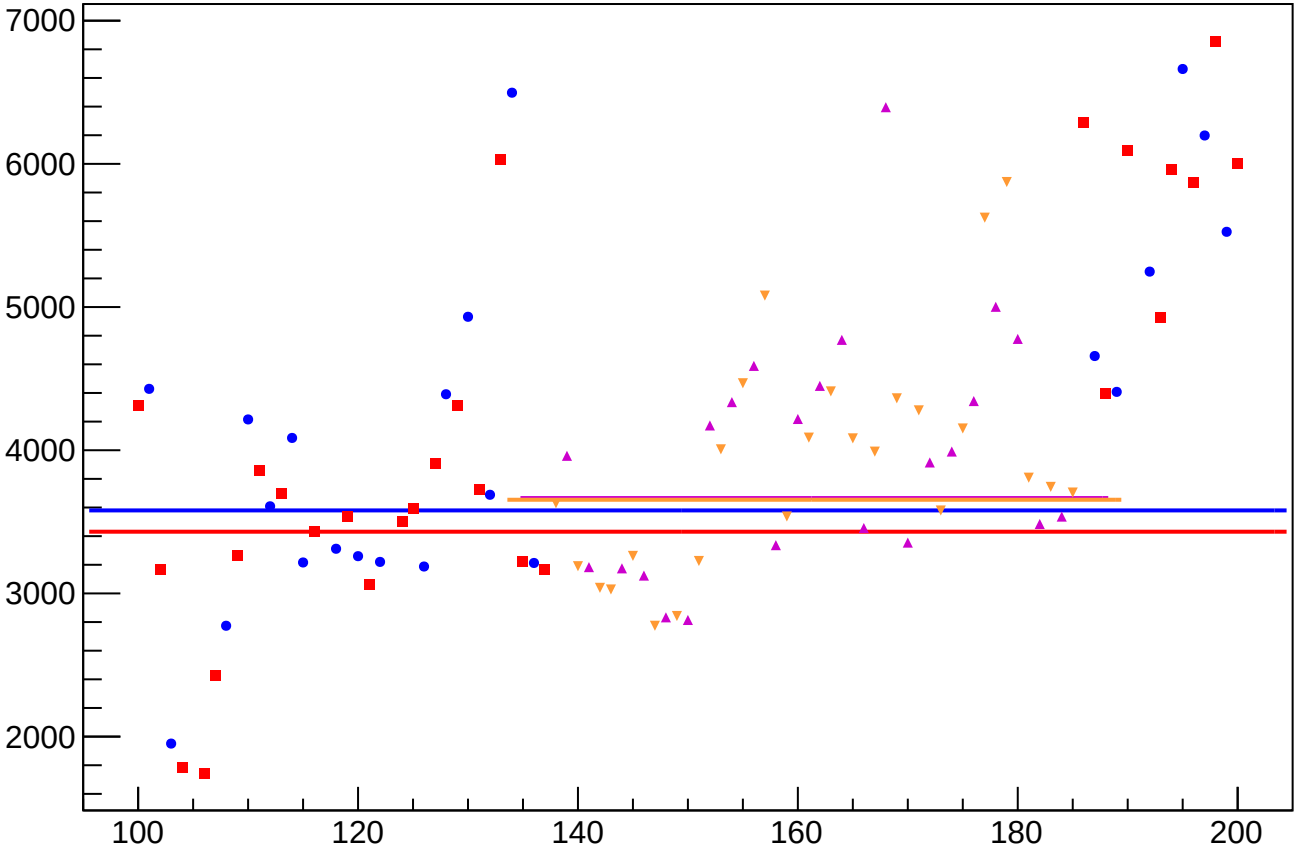
In: 1127.461+/-0.147 χ^2/NDF:1103866.5/44

Out: 1129.435+/-0.141 χ^2/NDF:1013314.5/51

All: 1128.490+/-0.102 χ^2/NDF: 2117274.8/96


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 185.059+/-1118.815 χ²/NDF: 22.5/21
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1021.988+/-1018.702 χ²/NDF: 26.9/26
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 642.636+/-753.243 χ²/NDF: 49.8/48
In: 74.209+/-689.369 χ²/NDF:36.6/44
Out: 433.481+/-652.830 χ²/NDF:56.0/51
All: 263.618+/-474.012 χ²/NDF: 92.7/96

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

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

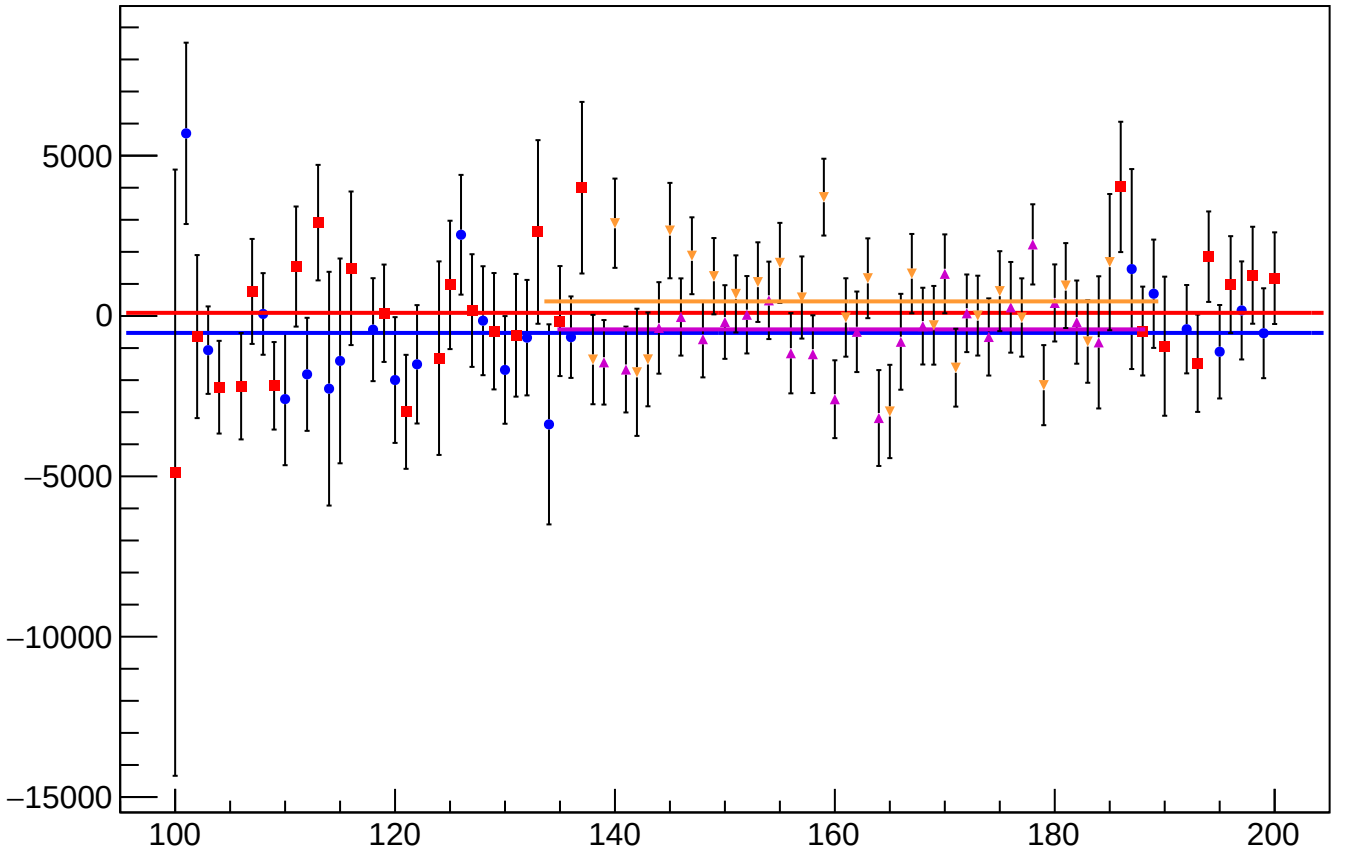
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3498.437+/-0.533 χ^2/NDF: 6049452.1/48

In: 3633.319+/-0.487 χ^2/NDF:3794253.8/44

Out: 3562.549+/-0.462 χ^2/NDF:4955320.7/51

All: 3596.009+/-0.335 χ^2/NDF: 8760686.6/96



Right In: -527.419+/-368.624 χ^2/NDF: 13.3/21

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

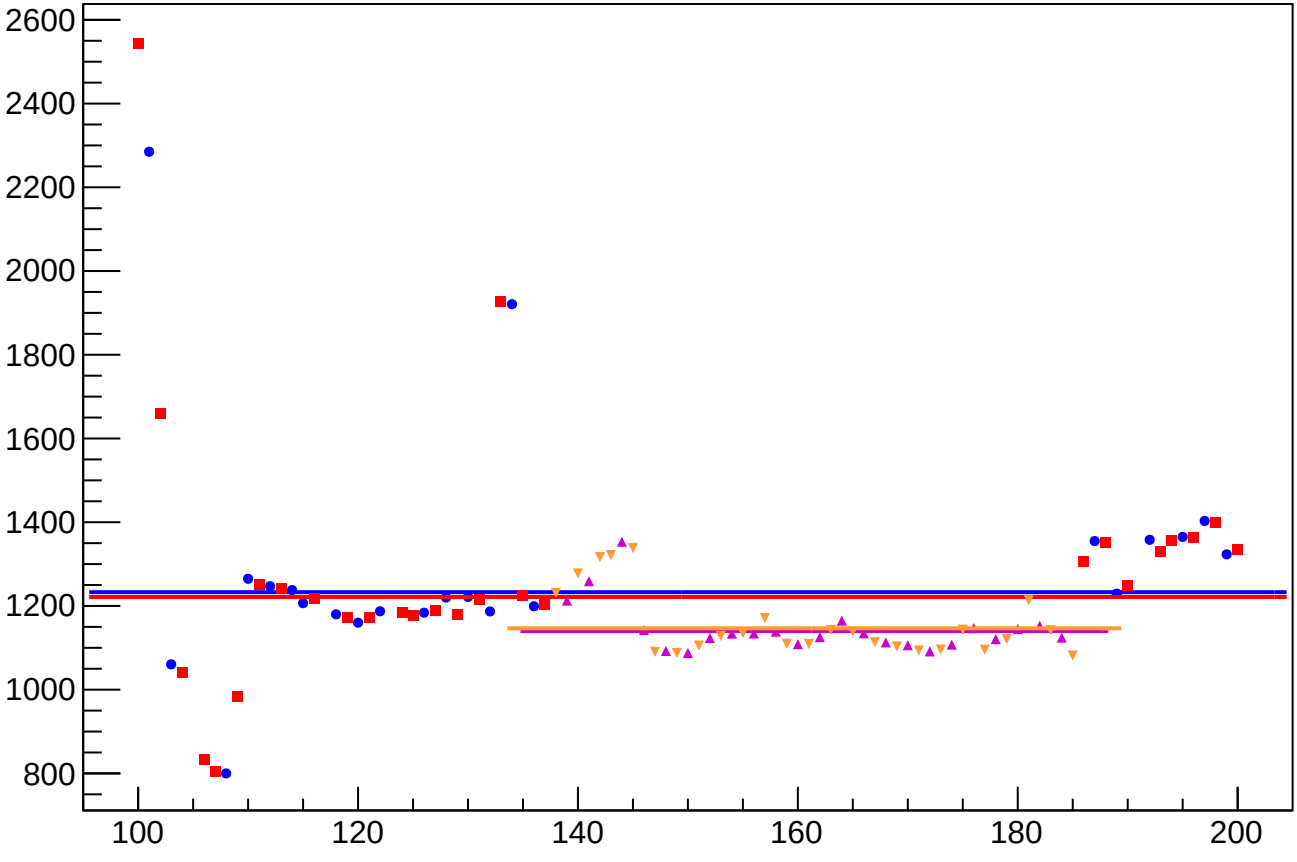
Right: -190.611+/-250.509 χ^2/NDF: 40.8/48

In: -455.051+/-216.014 χ^2/NDF:30.7/44

Out: 323.951+/-207.368 χ^2/NDF:62.8/51

All: -49.648+/-149.595 χ^2/NDF: 100.3/96

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1232.886+/-0.261 χ^2/NDF: 717761.5/21

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

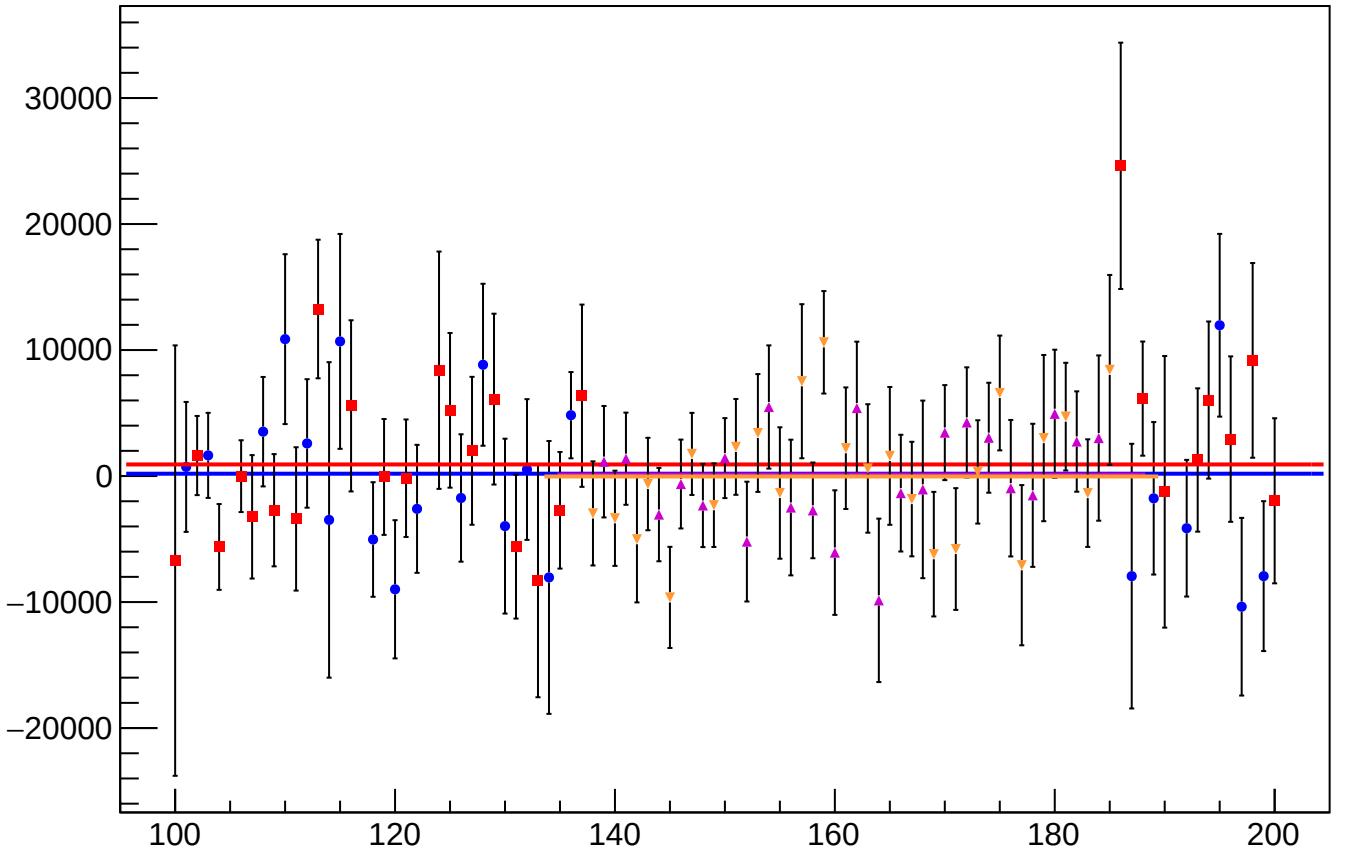
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1226.709+/-0.177 χ^2/NDF: 1387801.7/48

In: 1172.007+/-0.153 χ^2/NDF:885578.9/44

Out: 1174.207+/-0.147 χ^2/NDF:870605.9/51

All: 1173.152+/-0.106 χ^2/NDF: 1756292.7/96



Right In: 186.132+/-1172.600 χ^2/NDF: 22.4/21

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

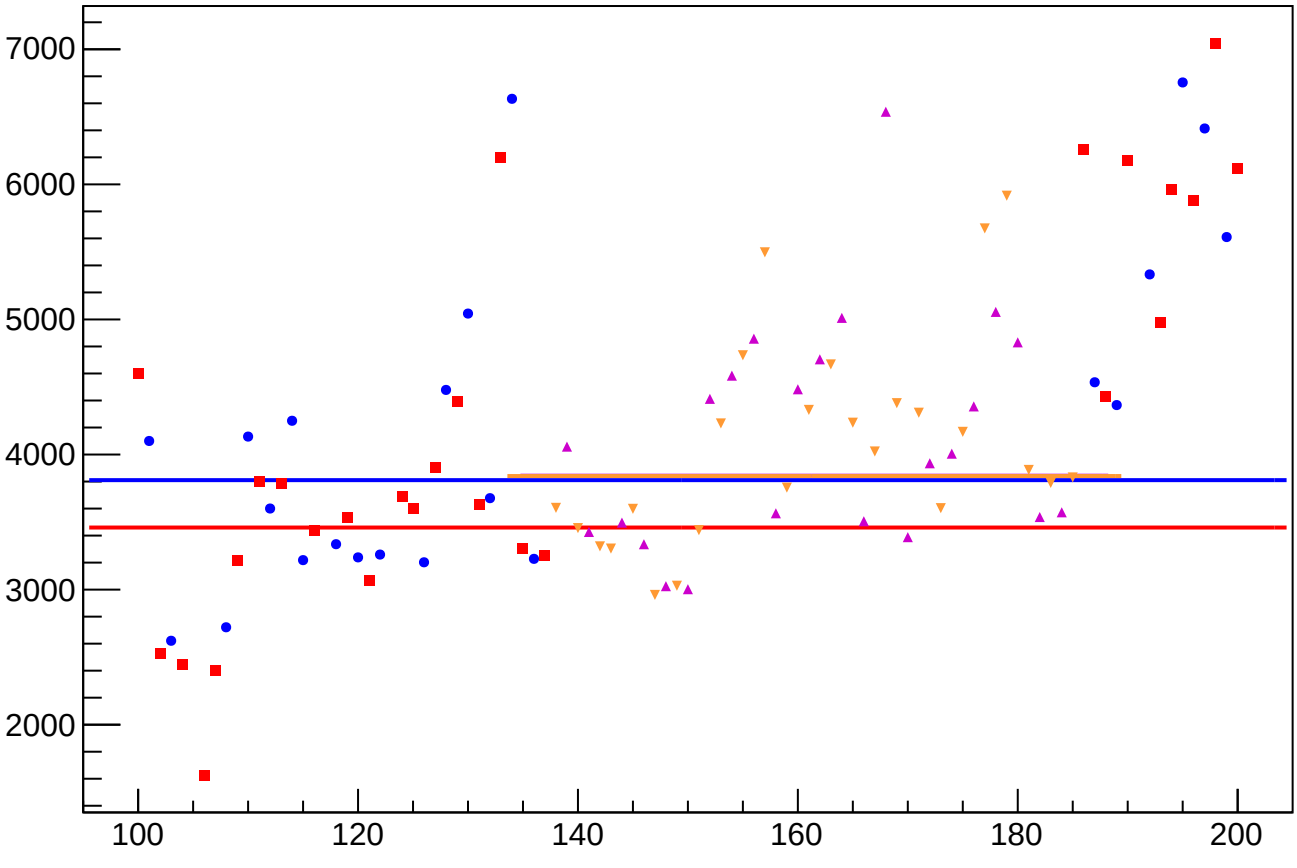
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 606.218+/-767.619 χ^2/NDF: 48.8/48

In: 145.705+/-721.719 χ^2/NDF:36.1/44

Out: 381.985+/-669.888 χ^2/NDF:54.5/51

All: 272.633+/-490.984 χ^2/NDF: 90.7/96



Right In: 3810.428+/-0.829 χ^2/NDF: 1745759.3/21

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

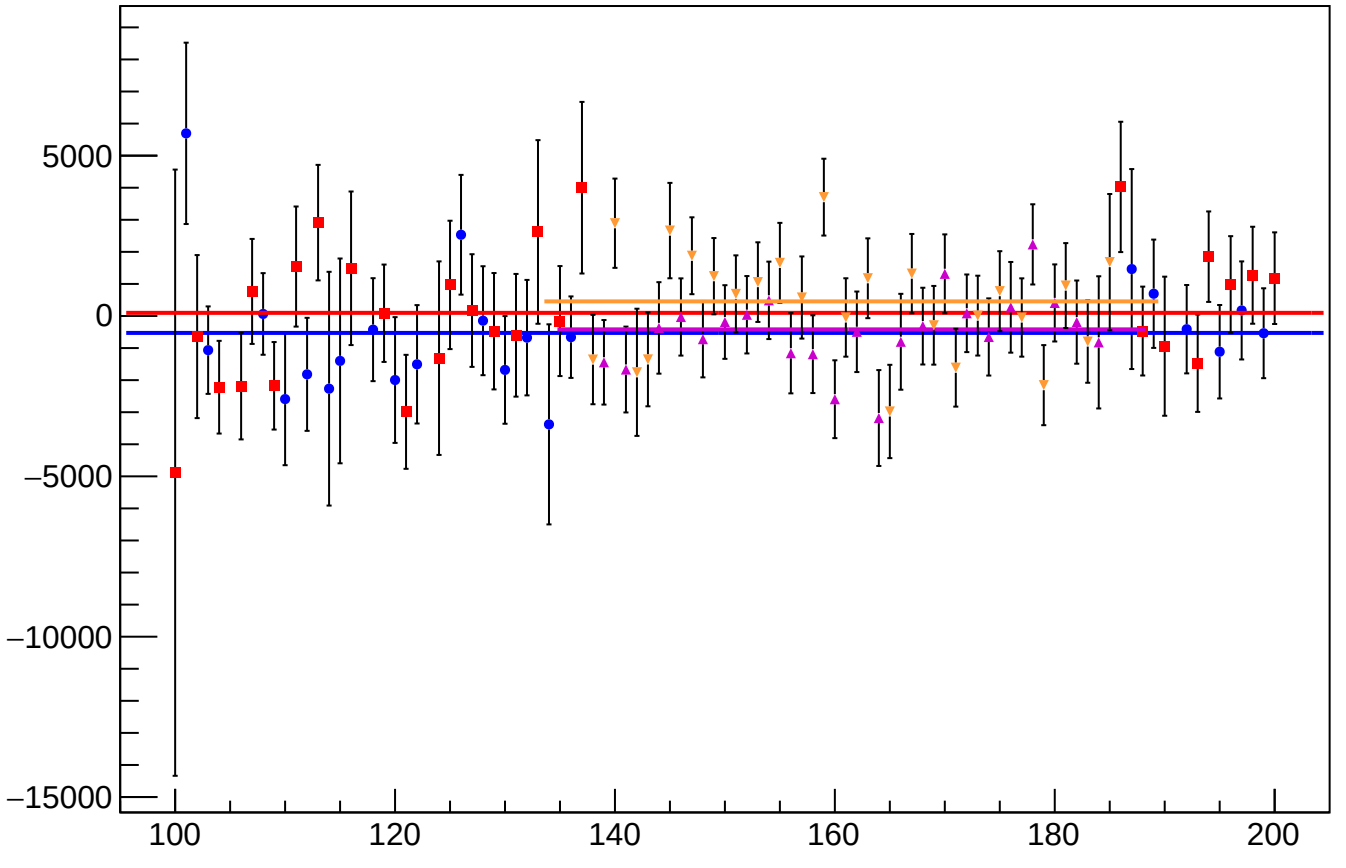
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3609.962+/-0.543 χ^2/NDF: 5283720.0/48

In: 3830.865+/-0.510 χ^2/NDF:2942795.1/44

Out: 3674.929+/-0.474 χ^2/NDF:4713528.7/51

All: 3747.097+/-0.347 χ^2/NDF: 7706479.0/96



Right In: -527.423+/-368.624 χ^2/NDF: 13.3/21

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

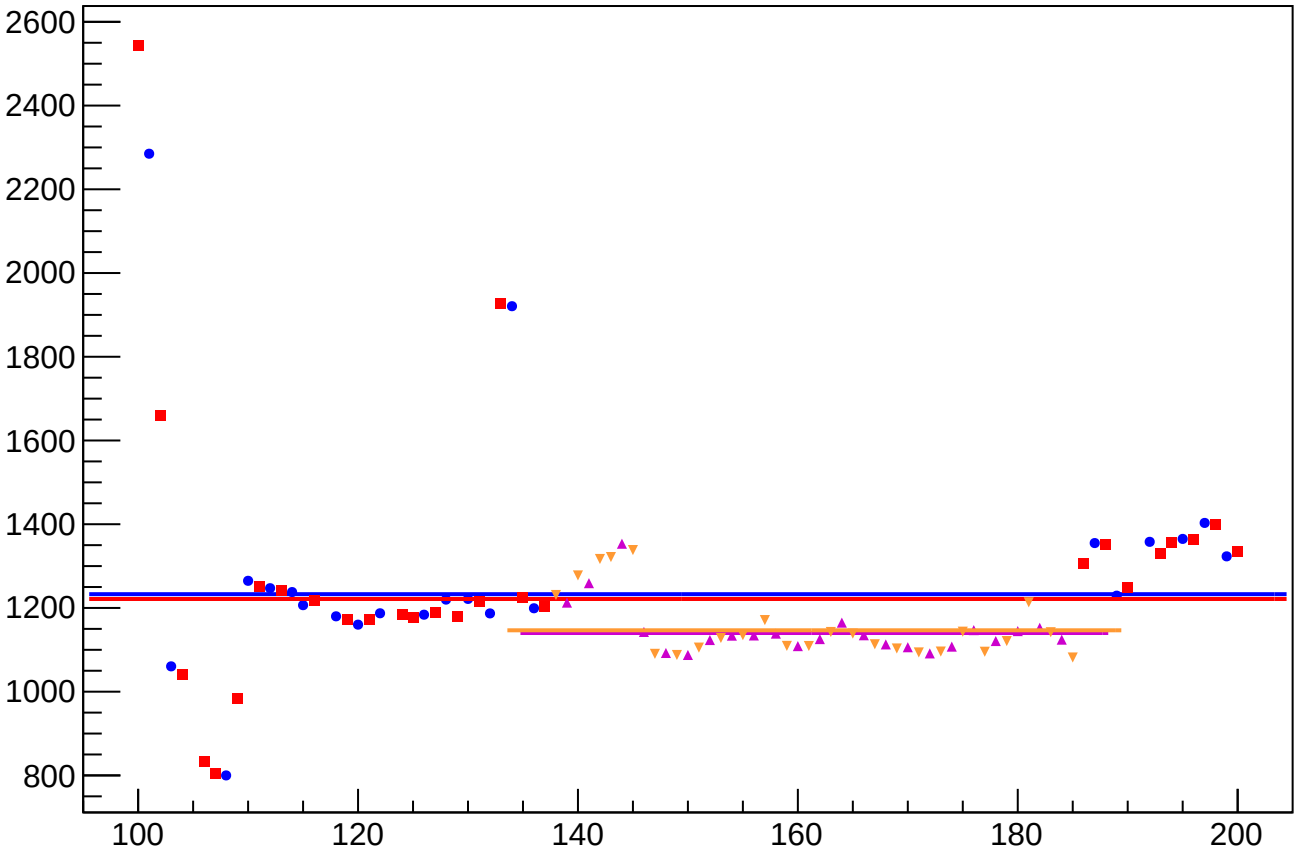
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -190.614+/-250.509 χ^2/NDF: 40.8/48

In: -455.051+/-216.014 χ^2/NDF:30.7/44

Out: 323.952+/-207.368 χ^2/NDF:62.8/51

All: -49.648+/-149.595 χ^2/NDF: 100.3/96



Right In: 1232.886+/-0.261 χ^2/NDF: 717762.0/21

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

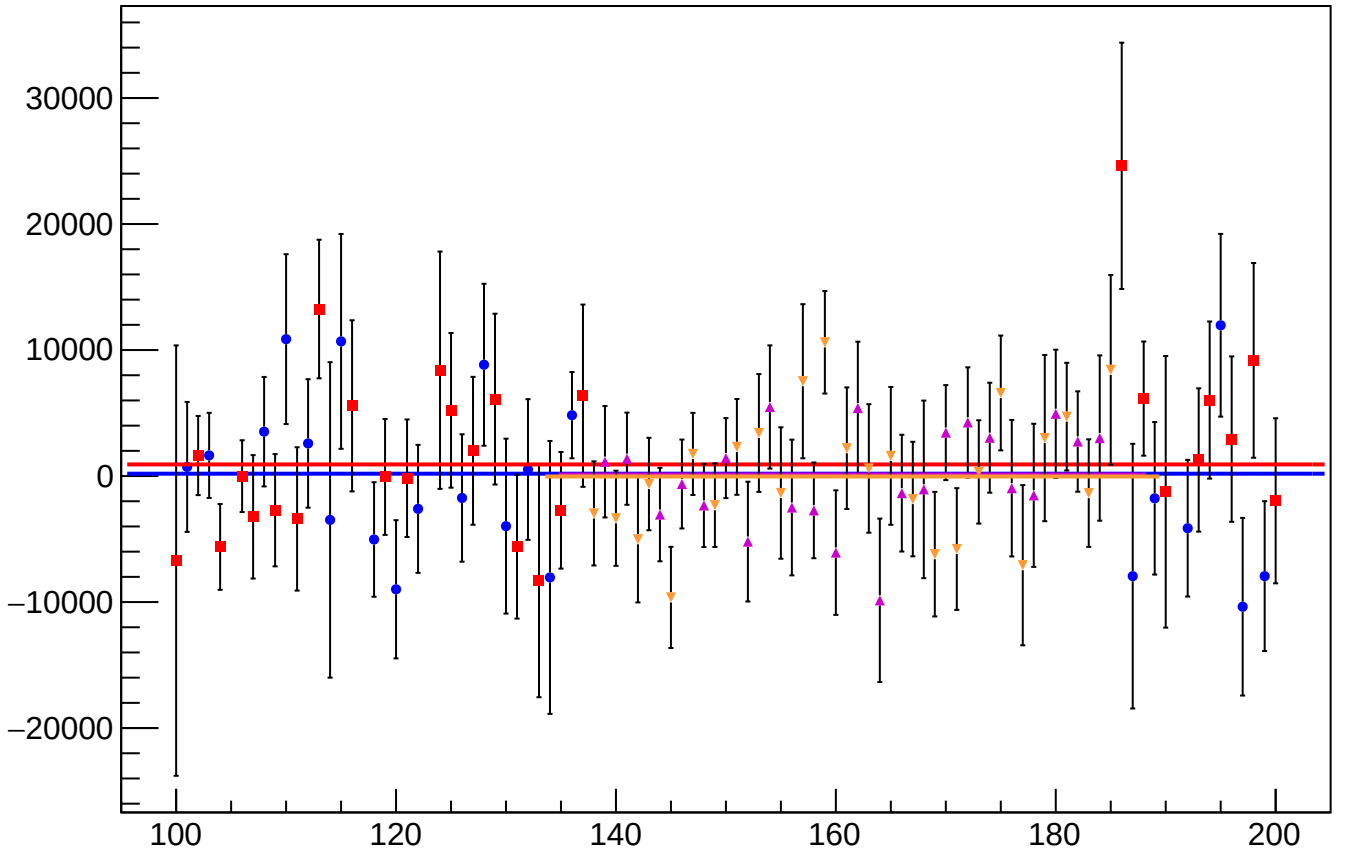
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1226.709+/-0.177 χ^2/NDF: 1387801.8/48

In: 1172.008+/-0.153 χ^2/NDF:885577.6/44

Out: 1174.207+/-0.147 χ^2/NDF:870604.9/51

All: 1173.153+/-0.106 χ^2/NDF: 1756290.4/96



Right In: 186.120+/-1172.599 χ^2/NDF: 22.4/21

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 921.234+/-1015.436 χ^2/NDF: 26.2/26

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

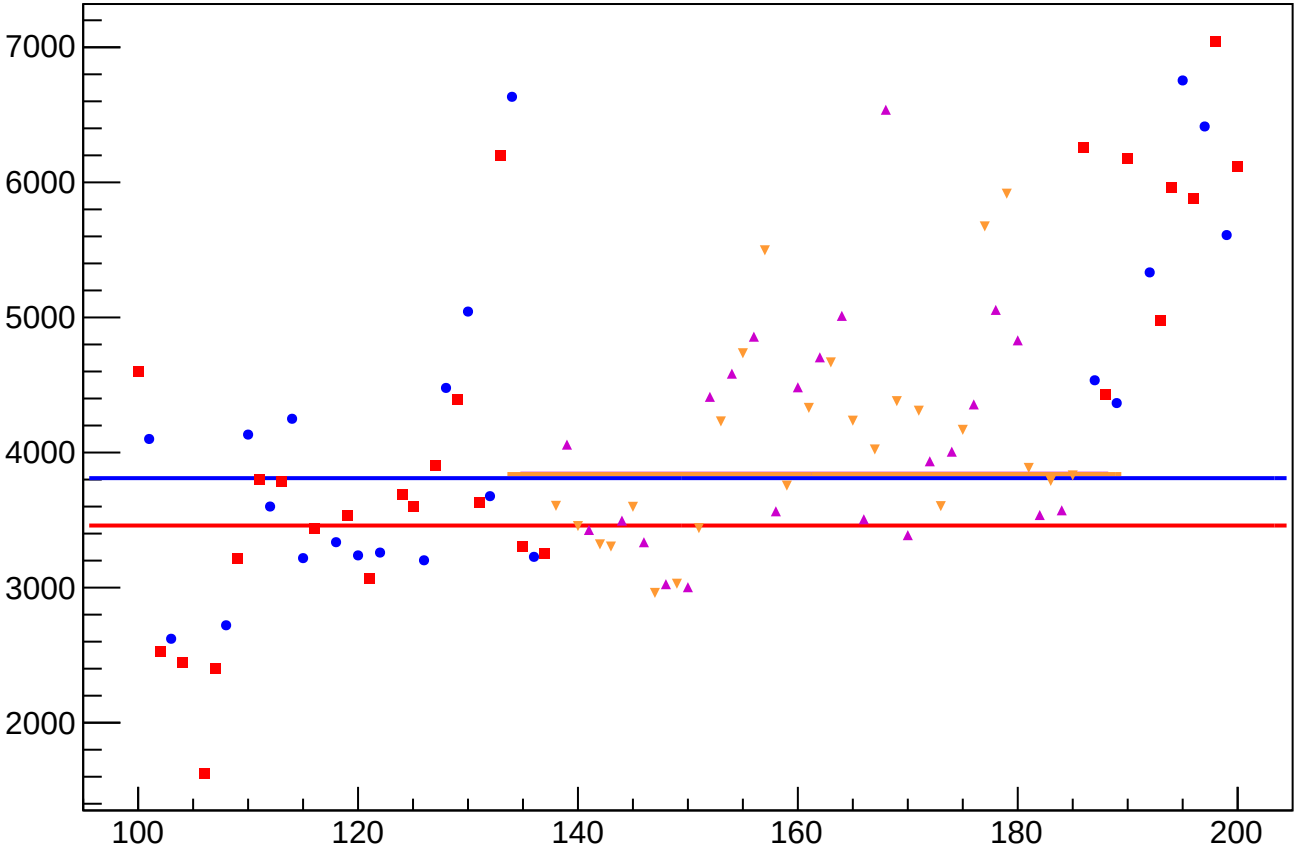
Right: 606.208+/-767.619 χ^2/NDF: 48.8/48

In: 145.702+/-721.719 χ^2/NDF:36.1/44

Out: 381.983+/-669.888 χ^2/NDF:54.5/51

All: 272.631+/-490.984 χ^2/NDF: 90.7/96

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3810.425+/-0.829 χ^2/NDF: 1745763.9/21

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

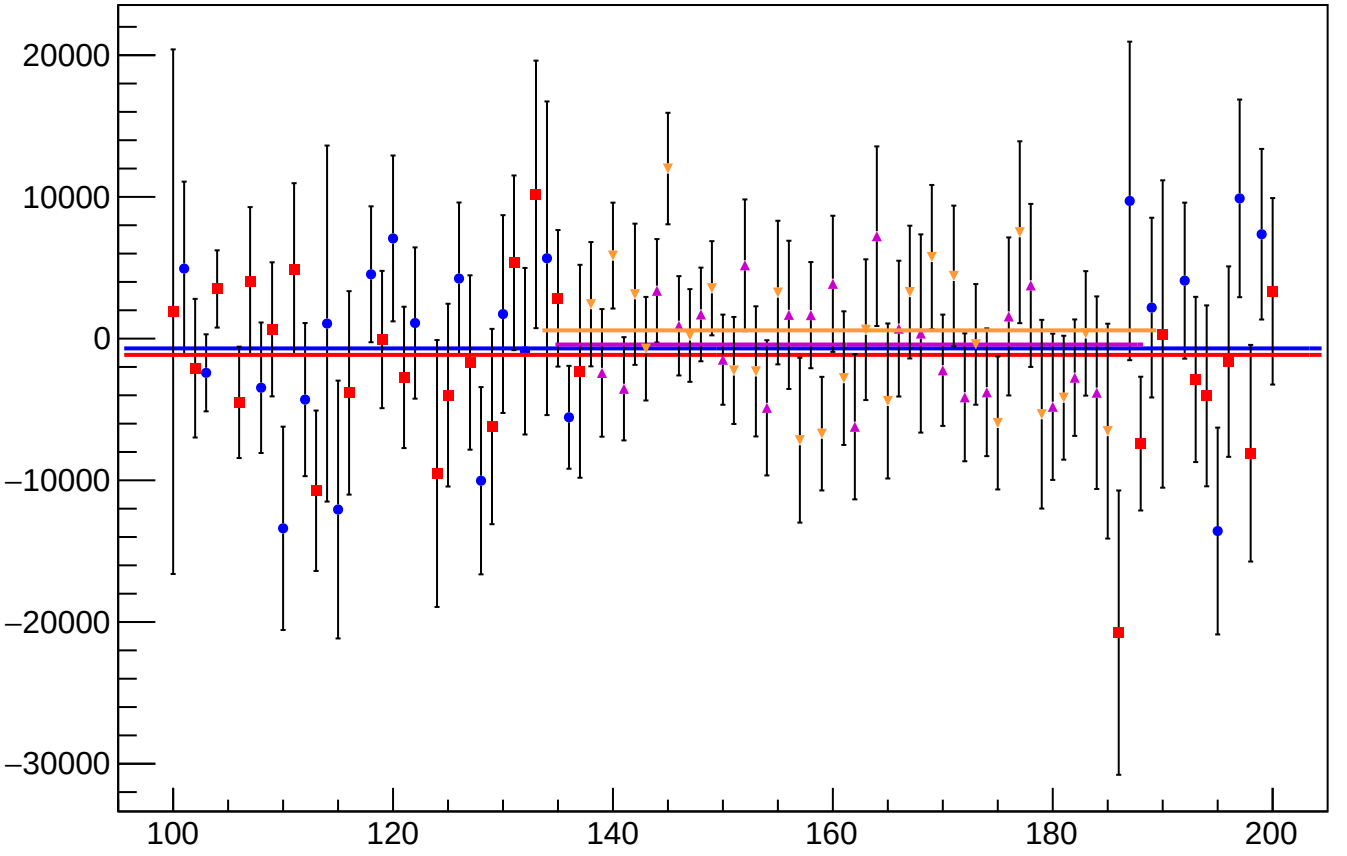
Right: 3609.958+/-0.543 χ^2/NDF: 5283738.9/48

In: 3830.867+/-0.510 χ^2/NDF:2942804.0/44

Out: 3674.929+/-0.474 χ^2/NDF:4713551.8/51

All: 3747.098+/-0.347 χ^2/NDF: 7706512.0/96

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -690.882+/-1184.403 χ^2/NDF: 23.9/21

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

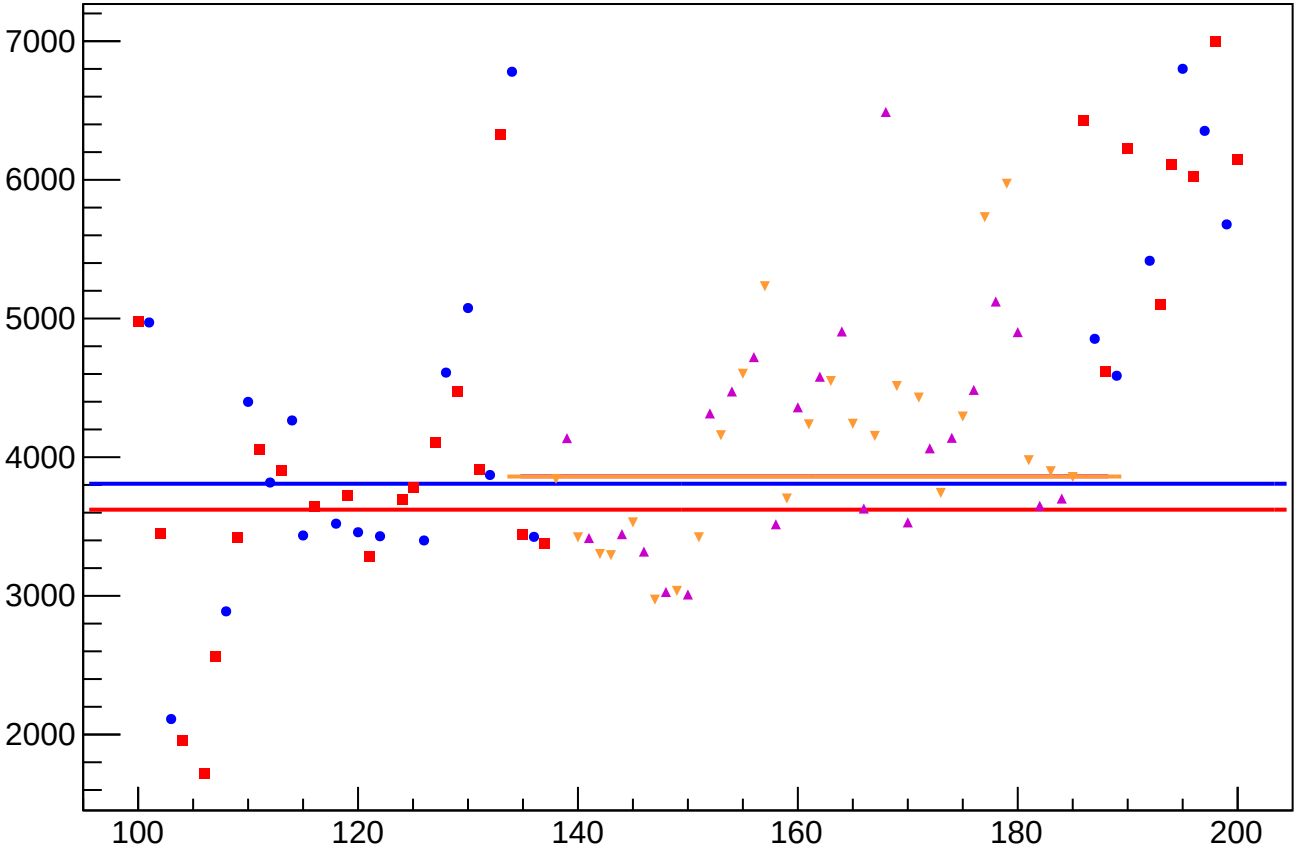
Right: -938.623+/-800.736 χ^2/NDF: 45.0/48

In: -519.803+/-726.071 χ^2/NDF:36.5/44

Out: -116.002+/-690.814 χ^2/NDF:49.9/51

All: -307.861+/-500.480 χ^2/NDF: 86.5/96

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3808.557+/-0.837 χ^2/NDF: 2262532.0/21

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

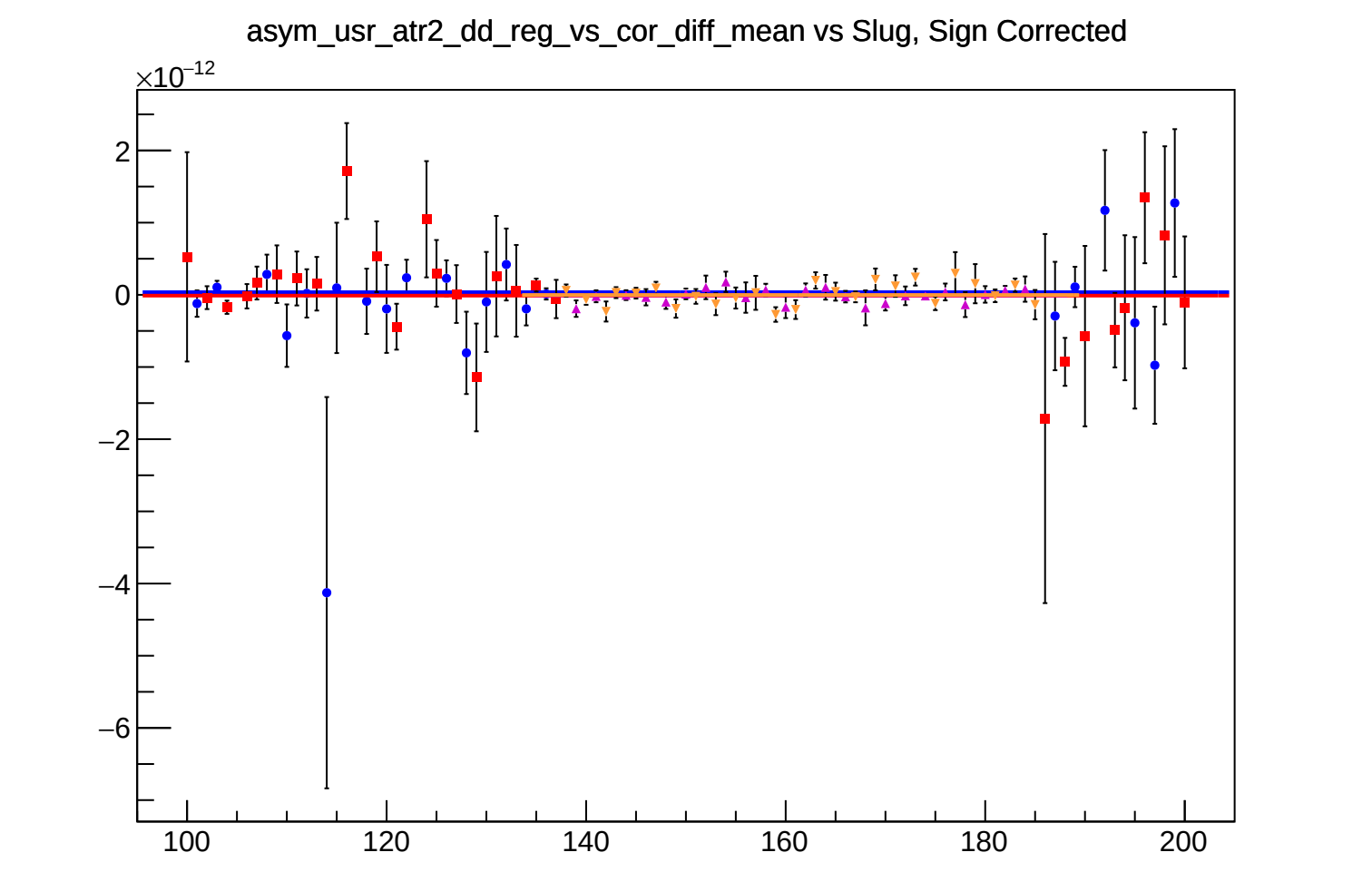
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3705.785+/-0.562 χ^2/NDF: 5746773.5/48

In: 3842.127+/-0.513 χ^2/NDF:3407285.9/44

Out: 3762.419+/-0.486 χ^2/NDF:4612693.0/51

All: 3800.075+/-0.353 χ^2/NDF: 8032695.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/21

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

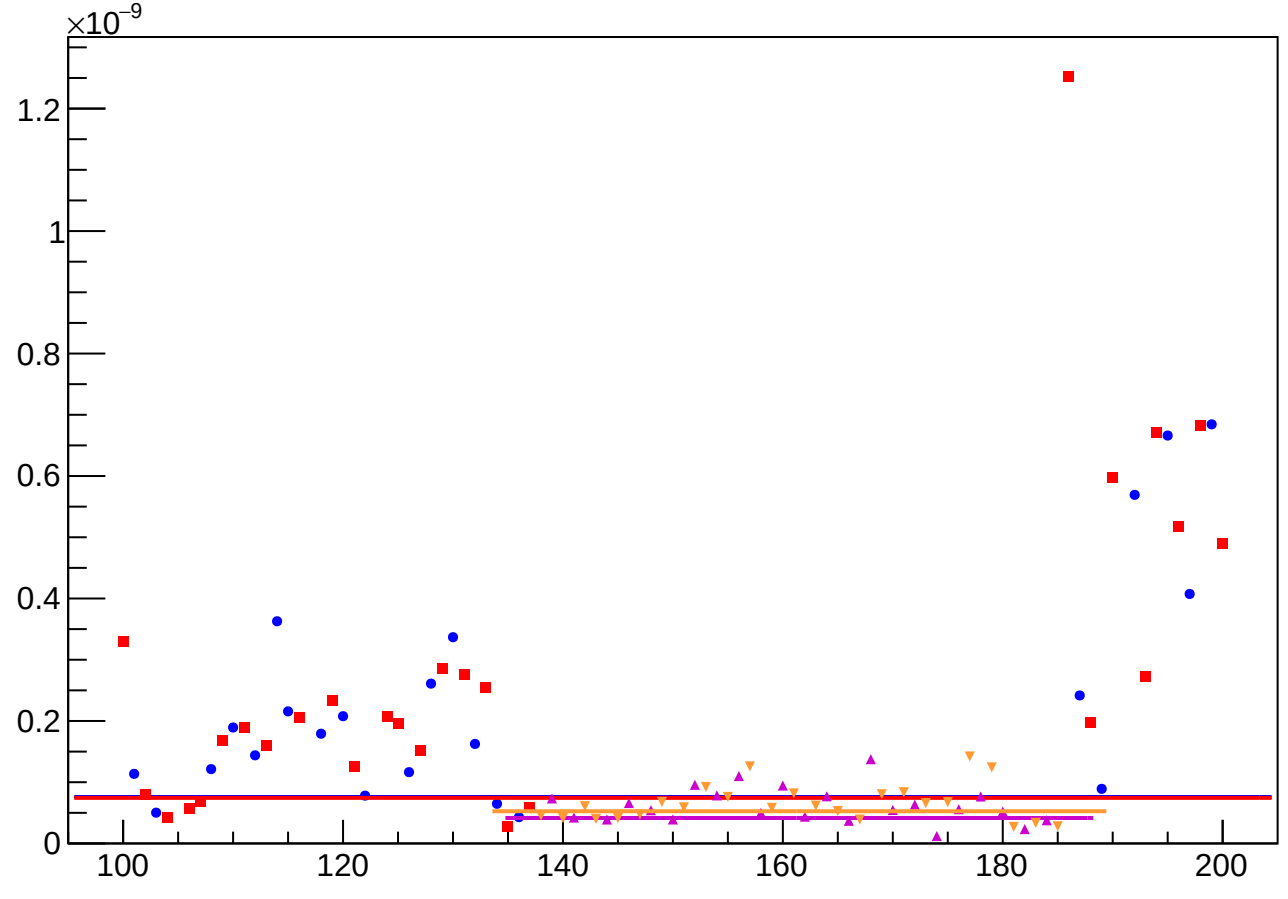
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 51.5/48

In: -0.000+/-0.000 χ^2/NDF:30.6/44

Out: -0.000+/-0.000 χ^2/NDF:68.2/51

All: -0.000+/-0.000 χ^2/NDF: 98.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 4100262.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5772501.7/26

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

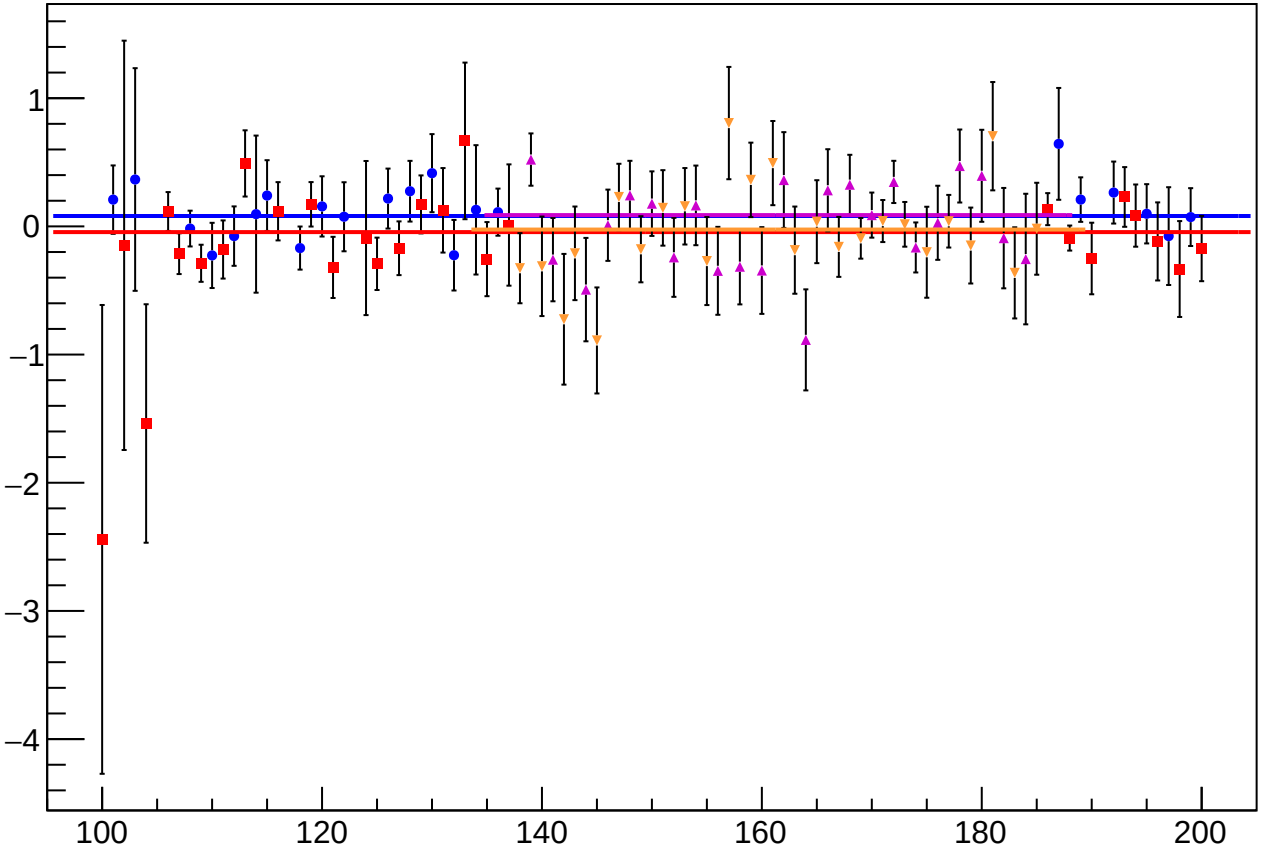
Right: 0.000+/-0.000 χ^2/NDF: 9873591.9/48

In: 0.000+/-0.000 χ^2/NDF:7919210.7/44

Out: 0.000+/-0.000 χ^2/NDF:7724342.4/51

All: 0.000+/-0.000 χ^2/NDF: 15909215.7/96

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

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

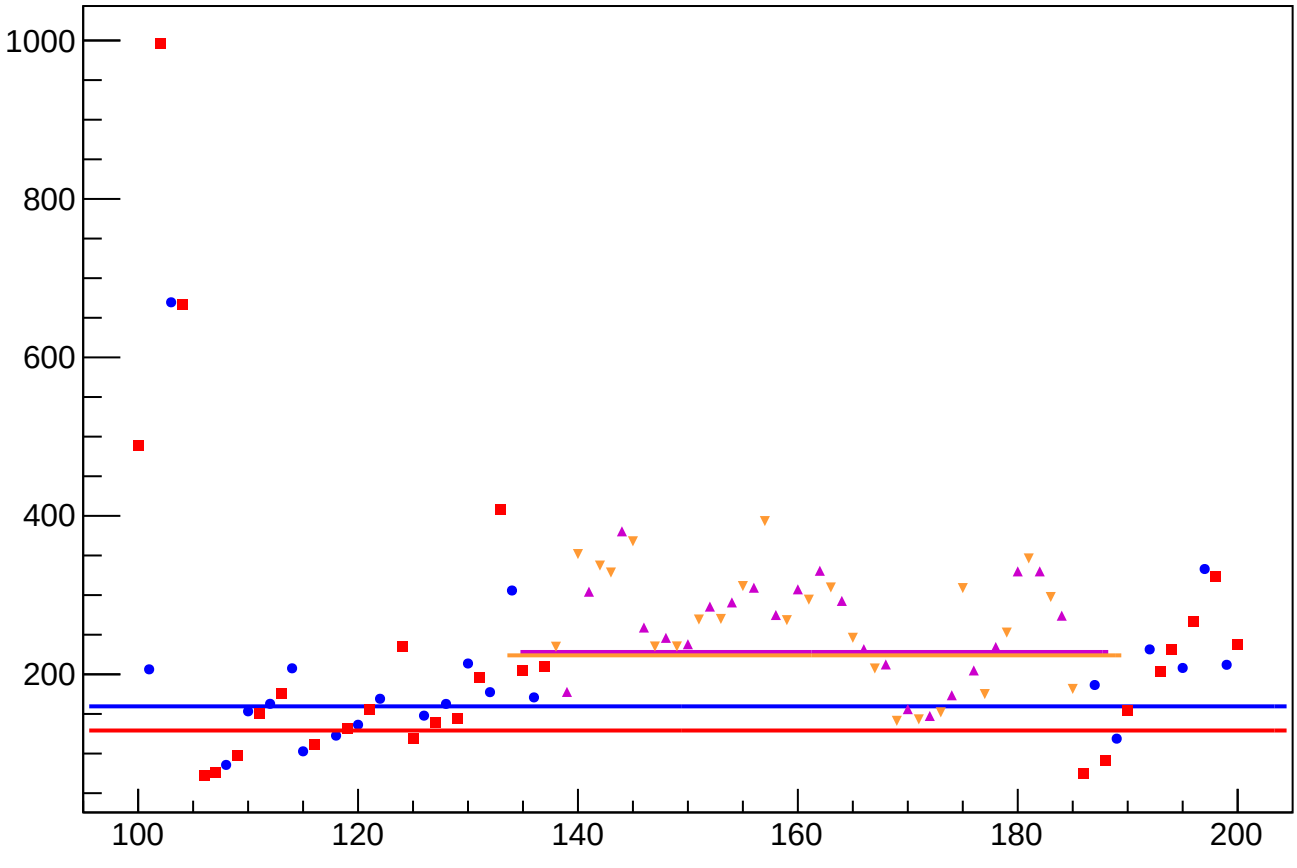
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.005+/-0.032 χ^2/NDF: 43.2/48

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.015+/-0.025 χ^2/NDF: 99.6/96



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

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

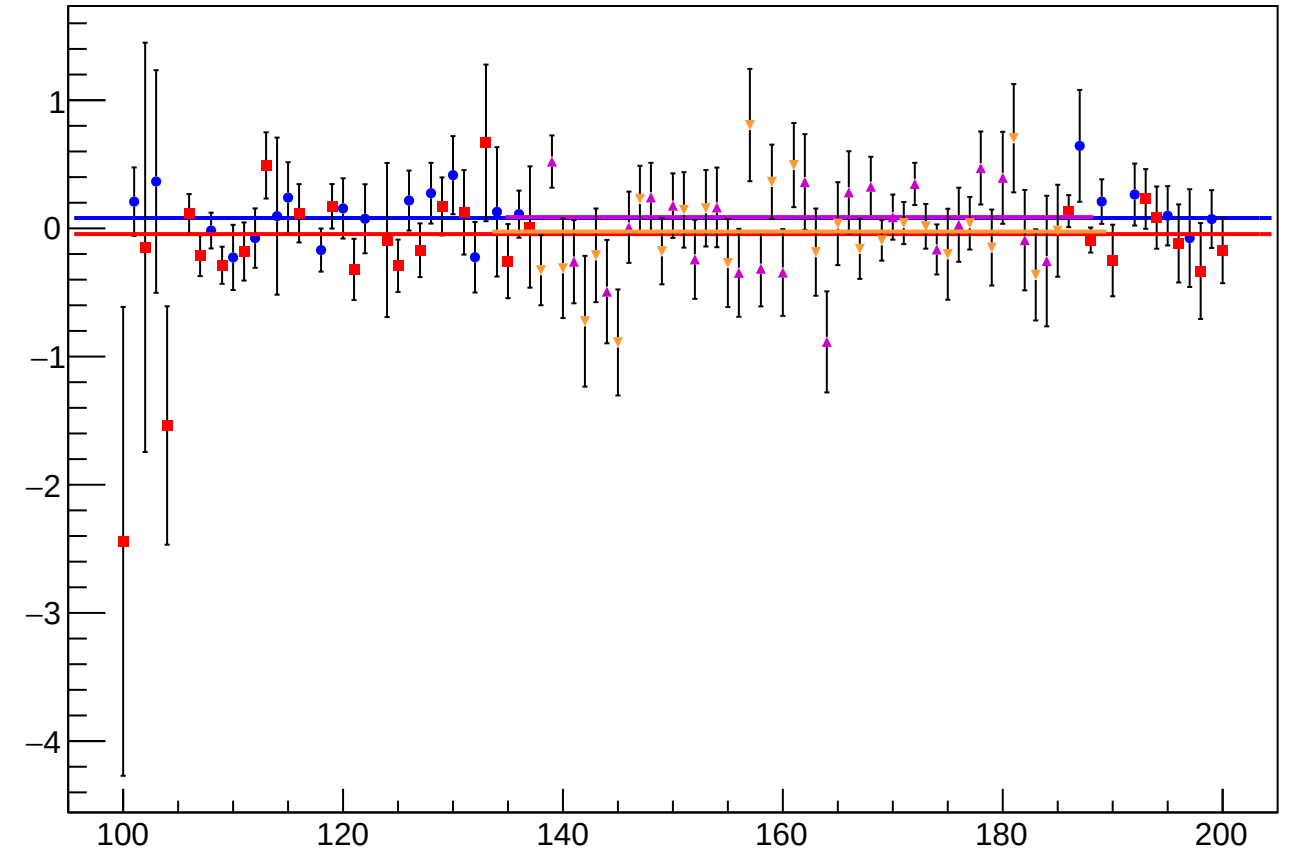
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 141.069+/-0.023 χ^2/NDF: 8524753.2/48

In: 190.569+/-0.027 χ^2/NDF:6782911.1/44

Out: 163.666+/-0.023 χ^2/NDF:12686744.3/51

All: 175.191+/-0.018 χ^2/NDF: 20040387.8/96



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

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

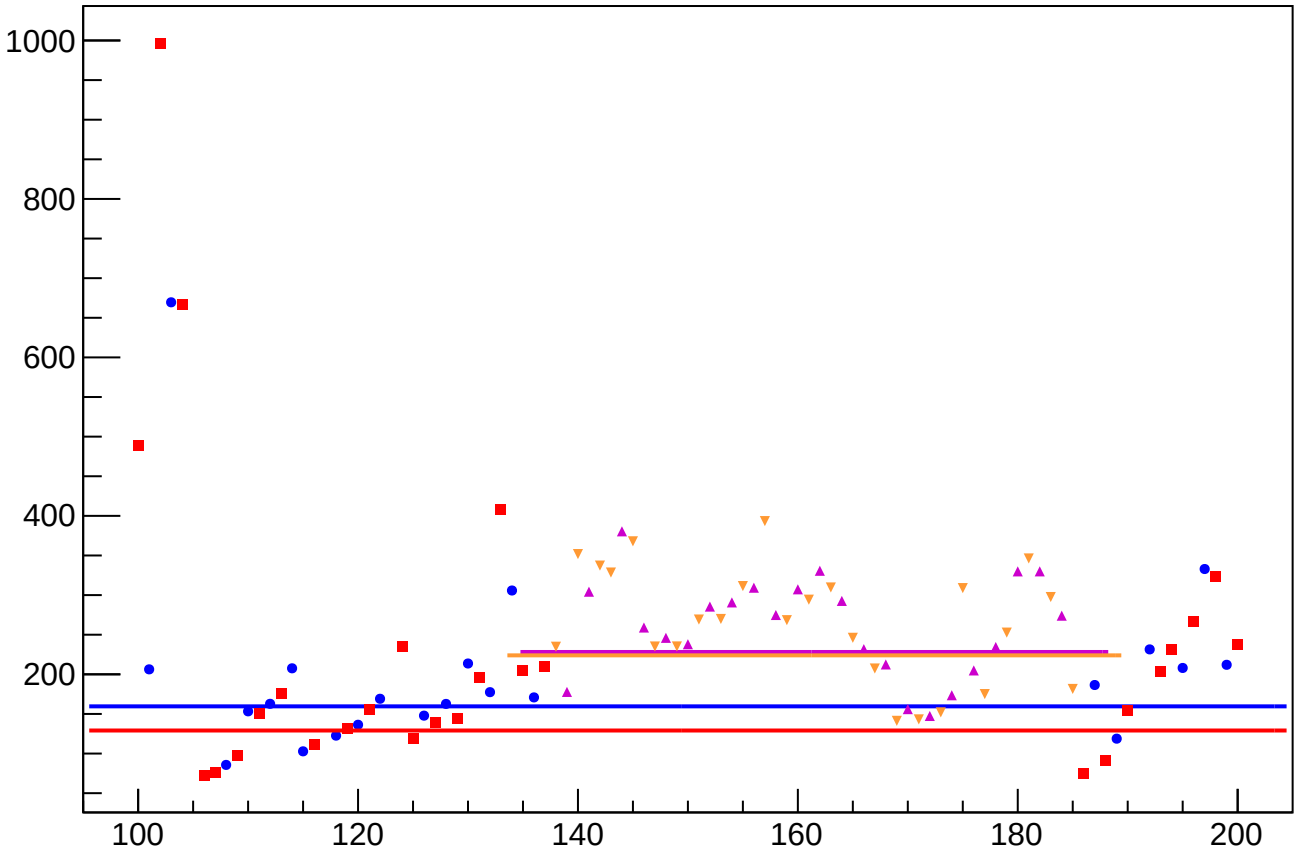
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.005+/-0.032 χ^2/NDF: 43.2/48

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.015+/-0.025 χ^2/NDF: 99.6/96



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

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

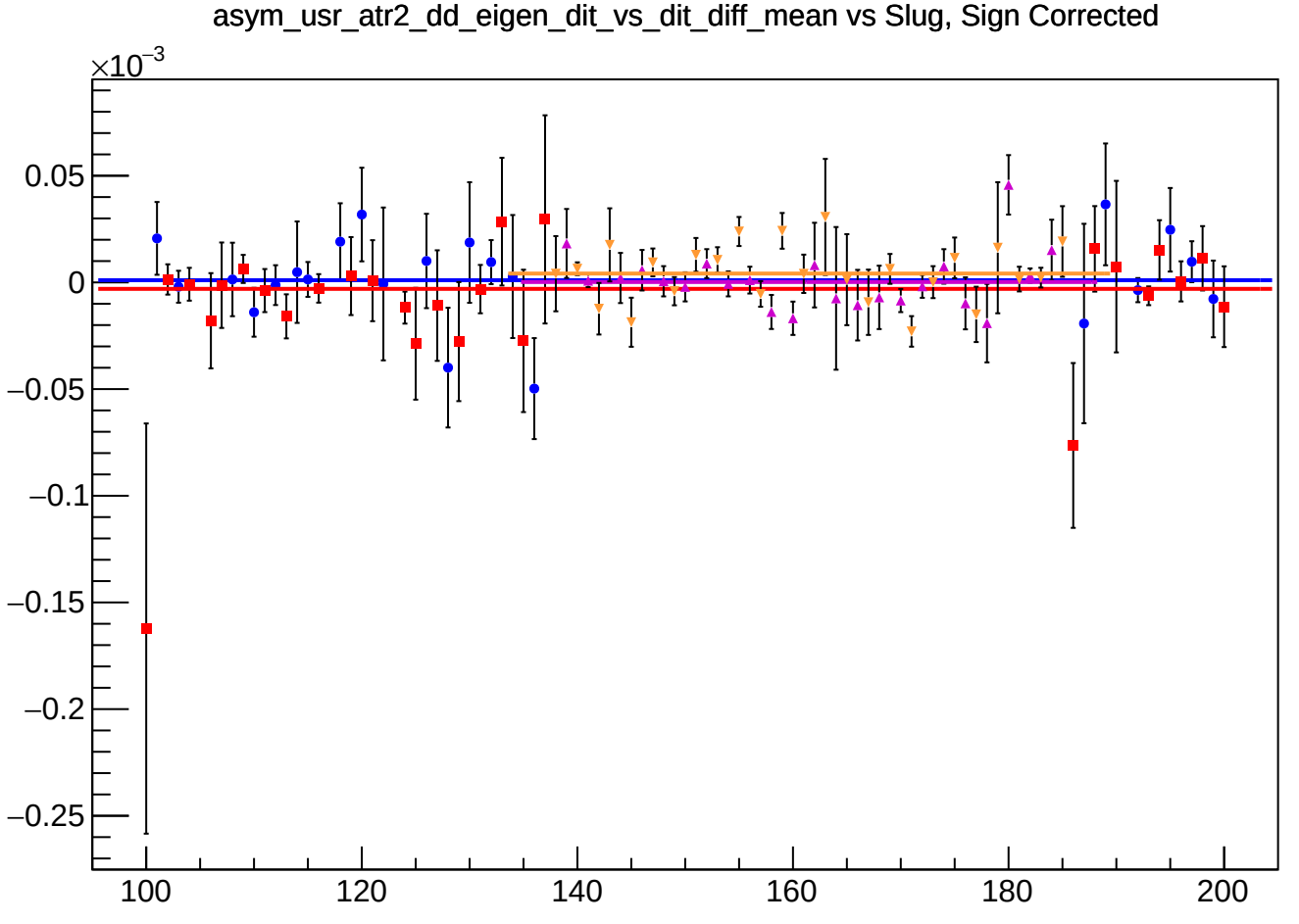
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 141.069+/-0.023 χ^2/NDF: 8524753.2/48

In: 190.569+/-0.027 χ^2/NDF:6782911.1/44

Out: 163.666+/-0.023 χ^2/NDF:12686744.3/51

All: 175.191+/-0.018 χ^2/NDF: 20040387.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

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

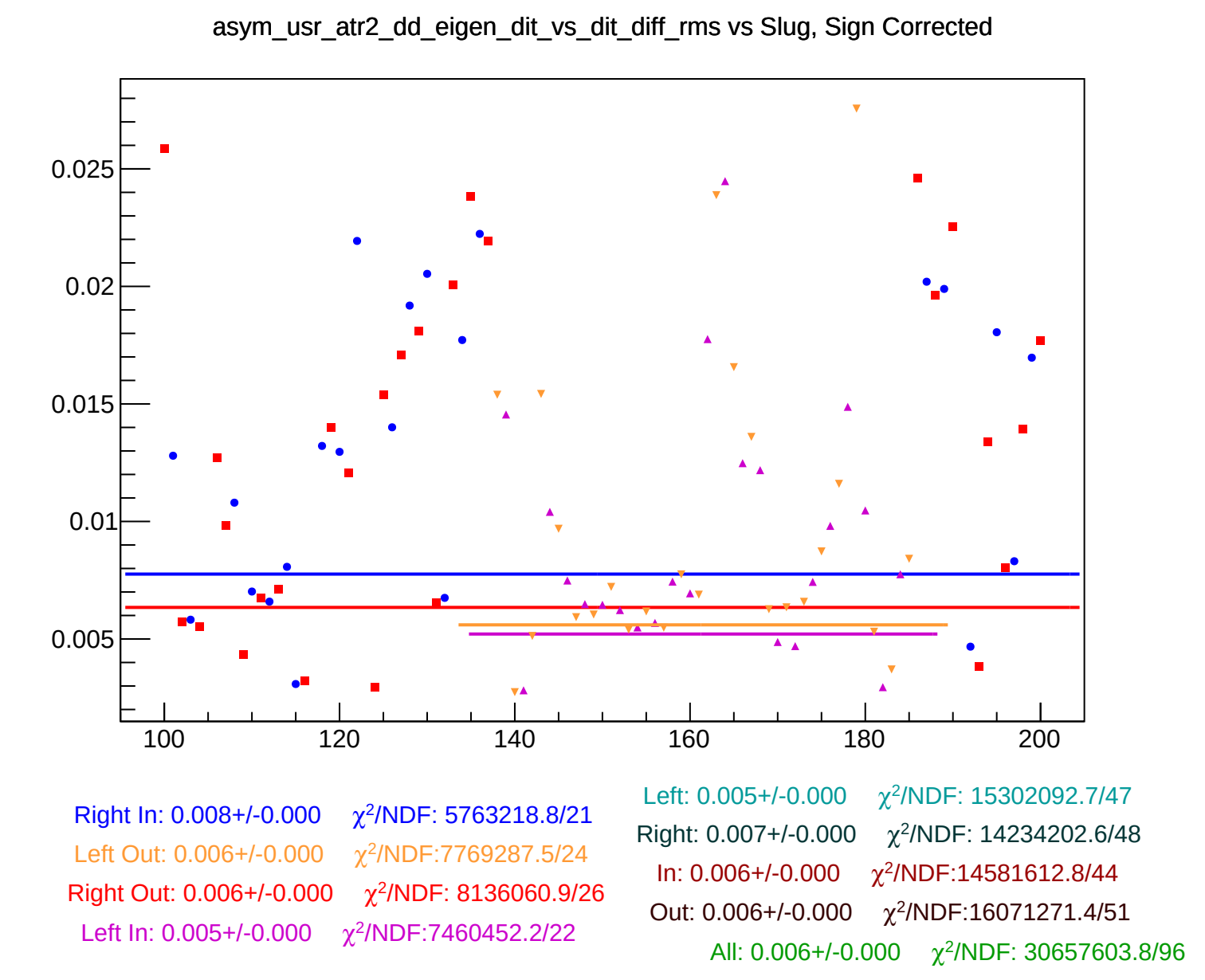
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

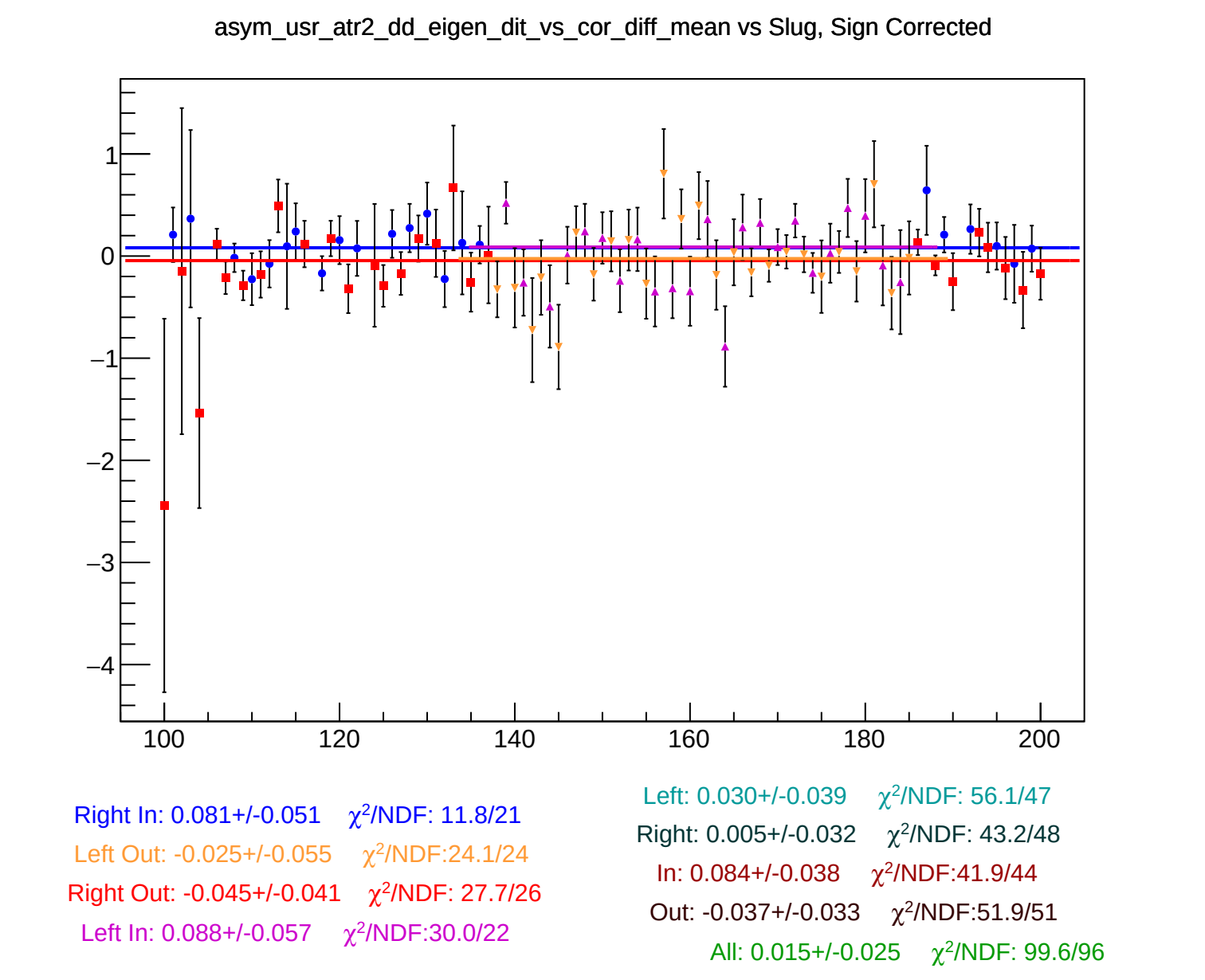
Right: -0.000+/-0.000 χ^2/NDF: 41.3/48

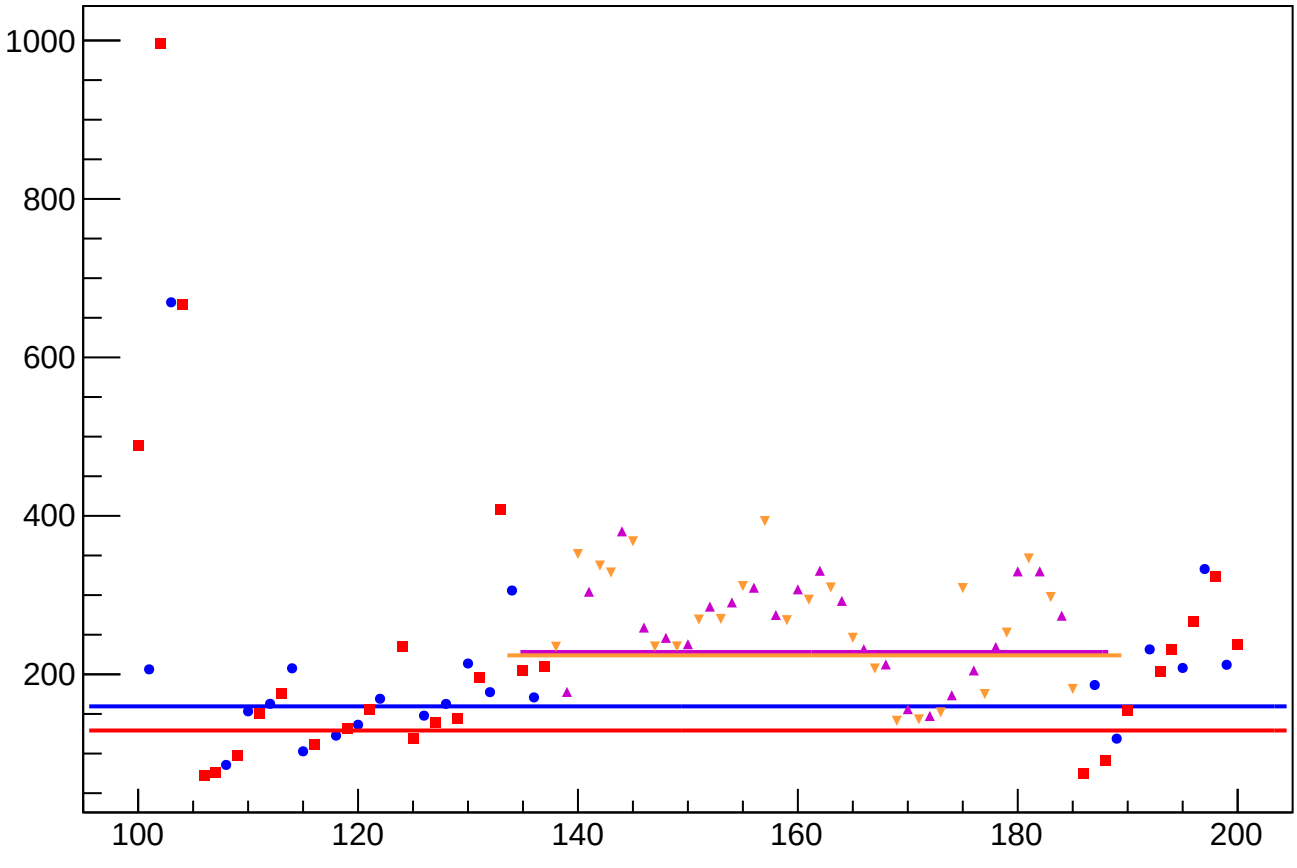
In: 0.000+/-0.000 χ^2/NDF:49.3/44

Out: 0.000+/-0.000 χ^2/NDF:77.3/51

All: 0.000+/-0.000 χ^2/NDF: 127.3/96


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 5763218.8/21
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 8136060.9/26
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
Left: 0.005+/-0.000 χ²/NDF: 15302092.7/47
Right: 0.007+/-0.000 χ²/NDF: 14234202.6/48
In: 0.006+/-0.000 χ²/NDF:14581612.8/44
Out: 0.006+/-0.000 χ²/NDF:16071271.4/51
All: 0.006+/-0.000 χ²/NDF: 30657603.8/96


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: 0.081+/-0.051 χ²/NDF: 11.8/21
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: 0.005+/-0.032 χ²/NDF: 43.2/48
In: 0.084+/-0.038 χ²/NDF:41.9/44
Out: -0.037+/-0.033 χ²/NDF:51.9/51
All: 0.015+/-0.025 χ²/NDF: 99.6/96



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

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

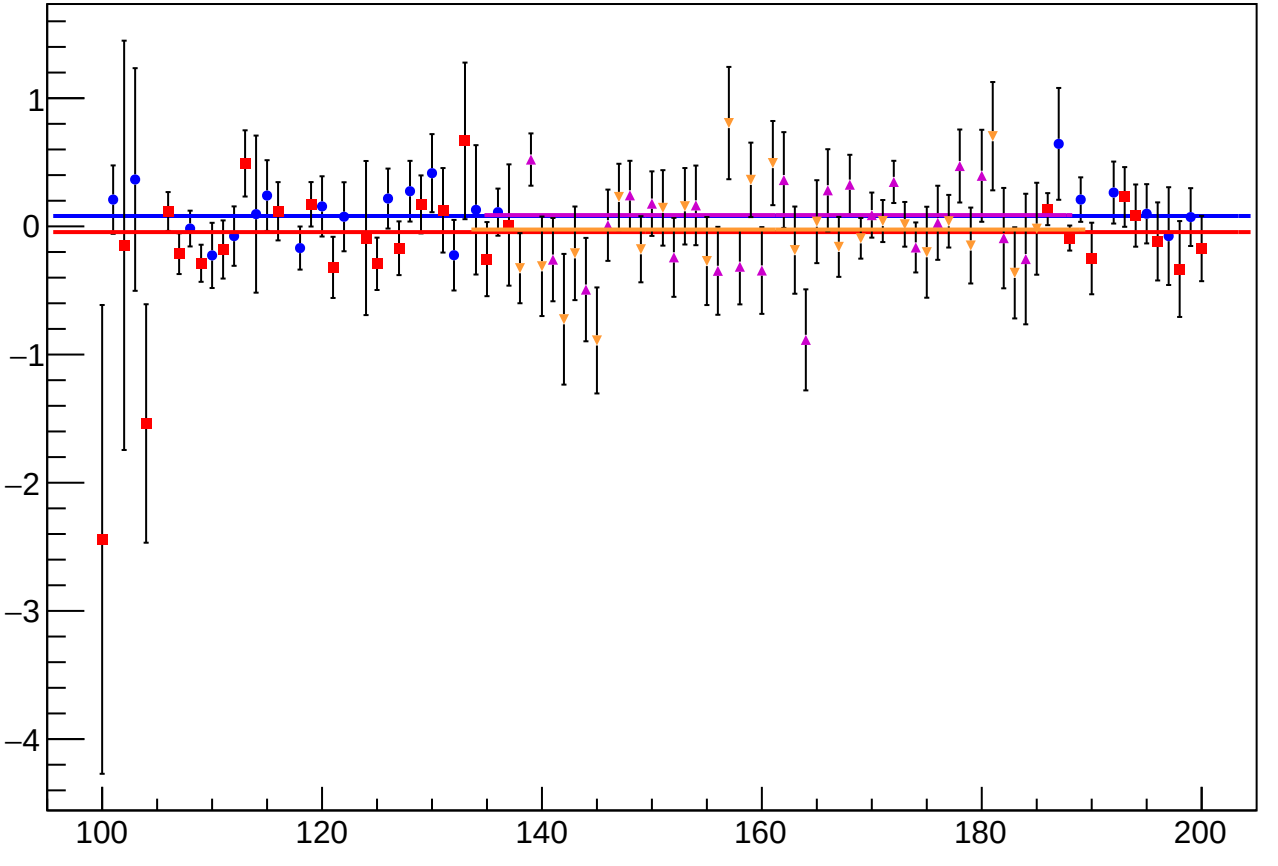
Right: 141.072+/-0.023 χ^2/NDF: 8524252.8/48

In: 190.567+/-0.027 χ^2/NDF:6783371.1/44

Out: 163.671+/-0.023 χ^2/NDF:12686006.8/51

All: 175.193+/-0.018 χ^2/NDF: 20039832.4/96

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

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

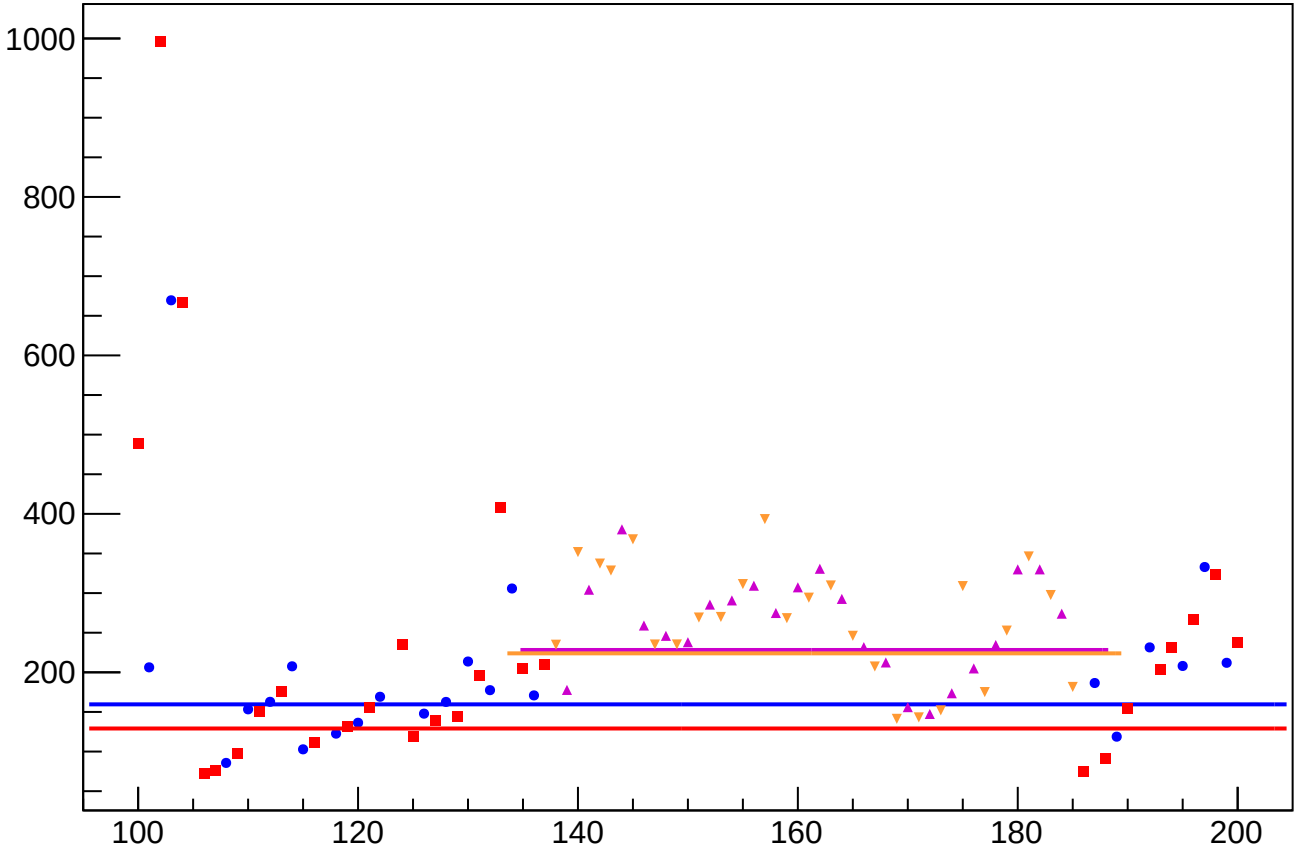
Right: 0.005+/-0.032 χ^2/NDF: 43.2/48

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.037+/-0.033 χ^2/NDF:51.9/51

All: 0.015+/-0.025 χ^2/NDF: 99.6/96

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

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

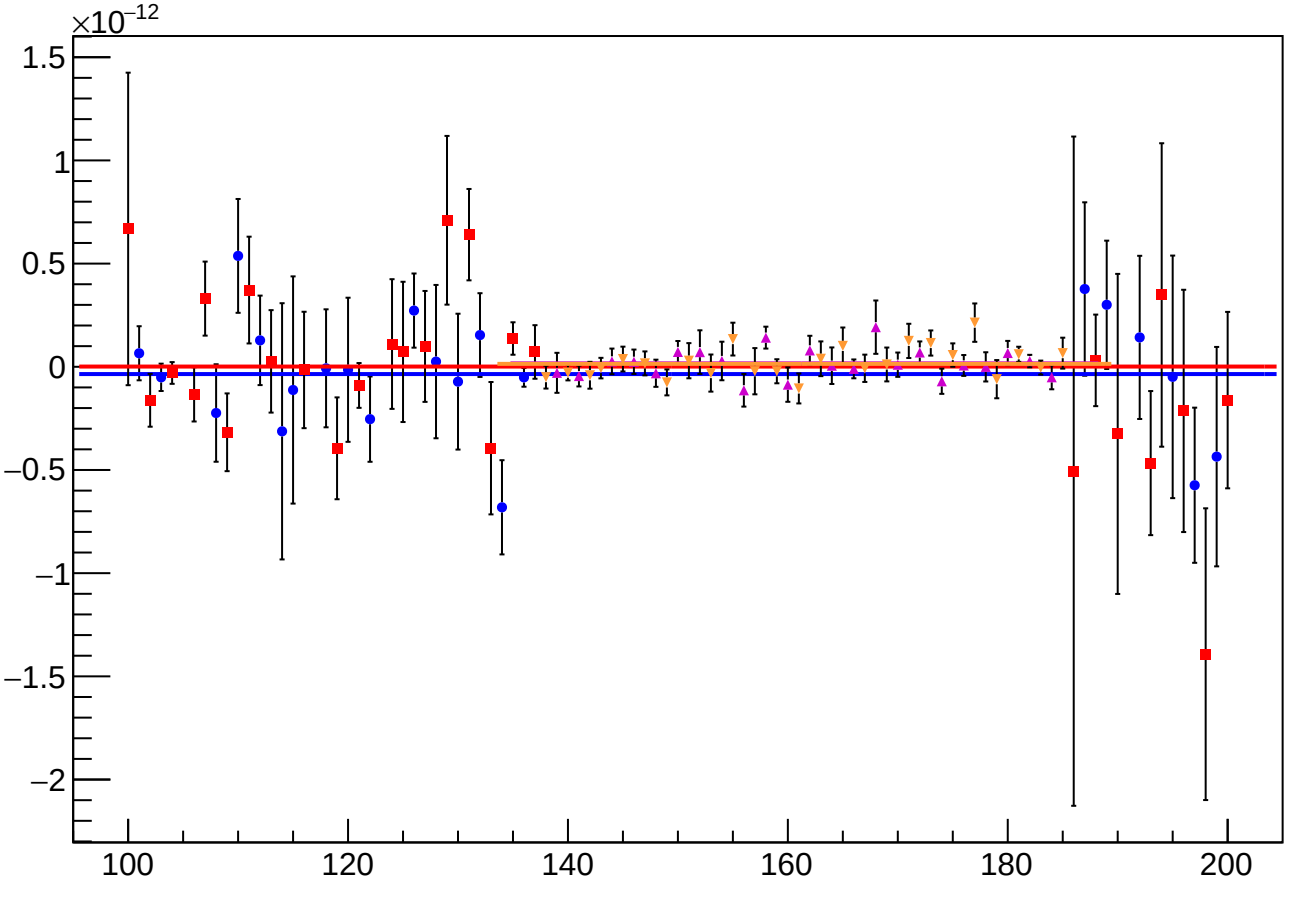
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 141.072+/-0.023 χ^2/NDF: 8524252.8/48

In: 190.567+/-0.027 χ^2/NDF:6783371.1/44

Out: 163.671+/-0.023 χ^2/NDF:12686006.8/51

All: 175.193+/-0.018 χ^2/NDF: 20039832.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/21

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

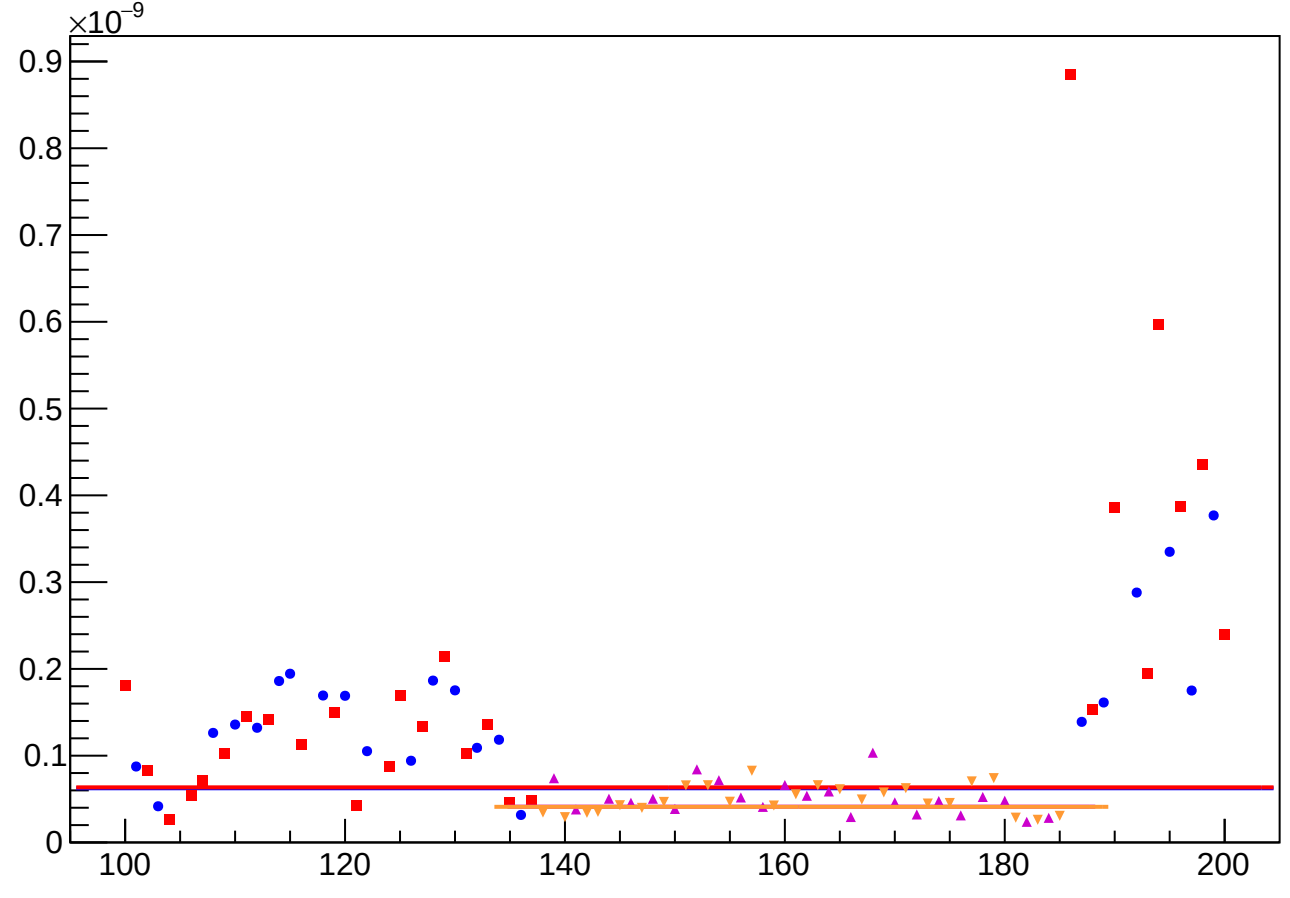
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/48

In: 0.000+/-0.000 χ^2/NDF:48.5/44

Out: 0.000+/-0.000 χ^2/NDF:63.8/51

All: 0.000+/-0.000 χ^2/NDF: 112.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 5406853.7/21

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

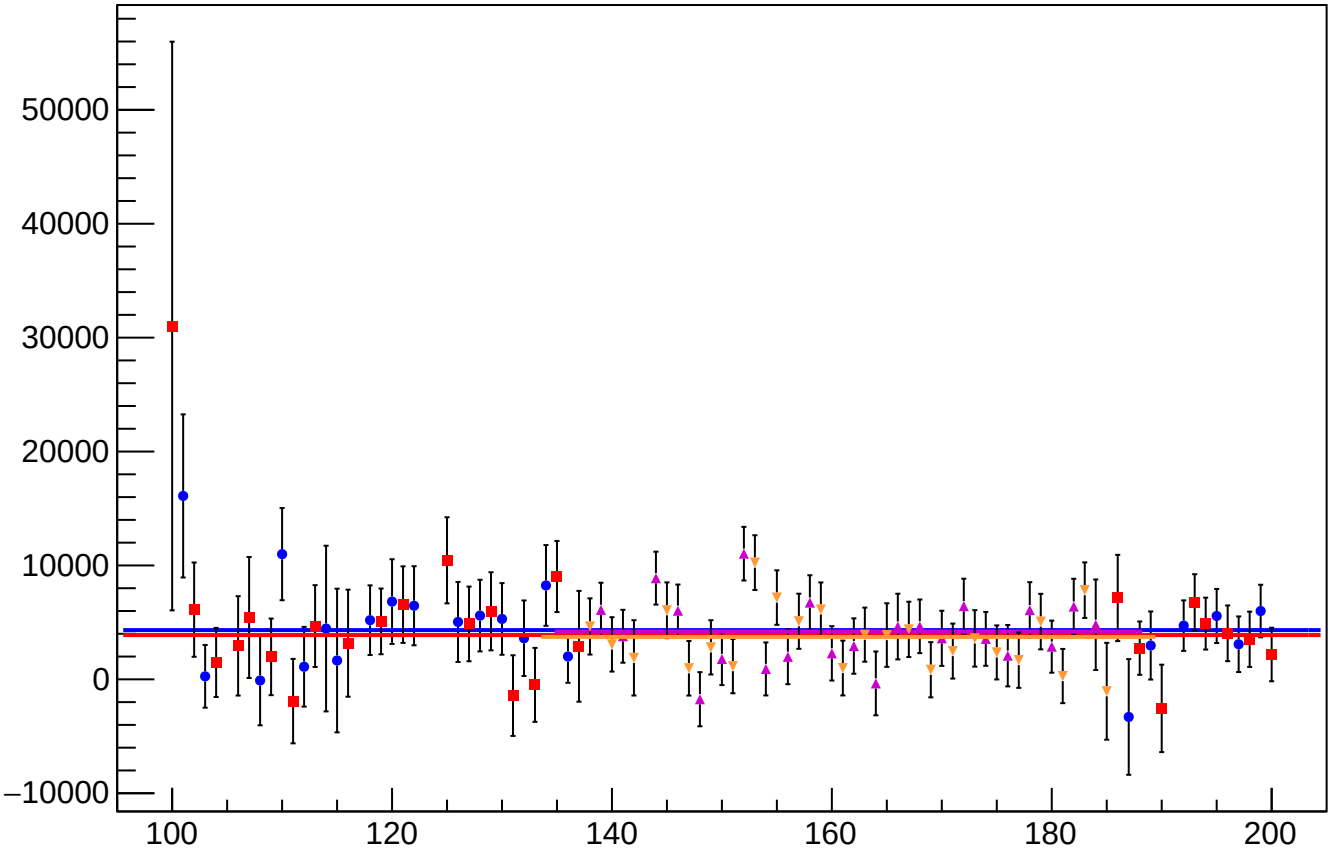
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12277503.2/48

In: 0.000+/-0.000 χ^2/NDF:9042522.6/44

Out: 0.000+/-0.000 χ^2/NDF:10407175.8/51

All: 0.000+/-0.000 χ^2/NDF: 19449747.9/96



Right In: 4323.017+/-675.195 χ^2/NDF: 16.9/21

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

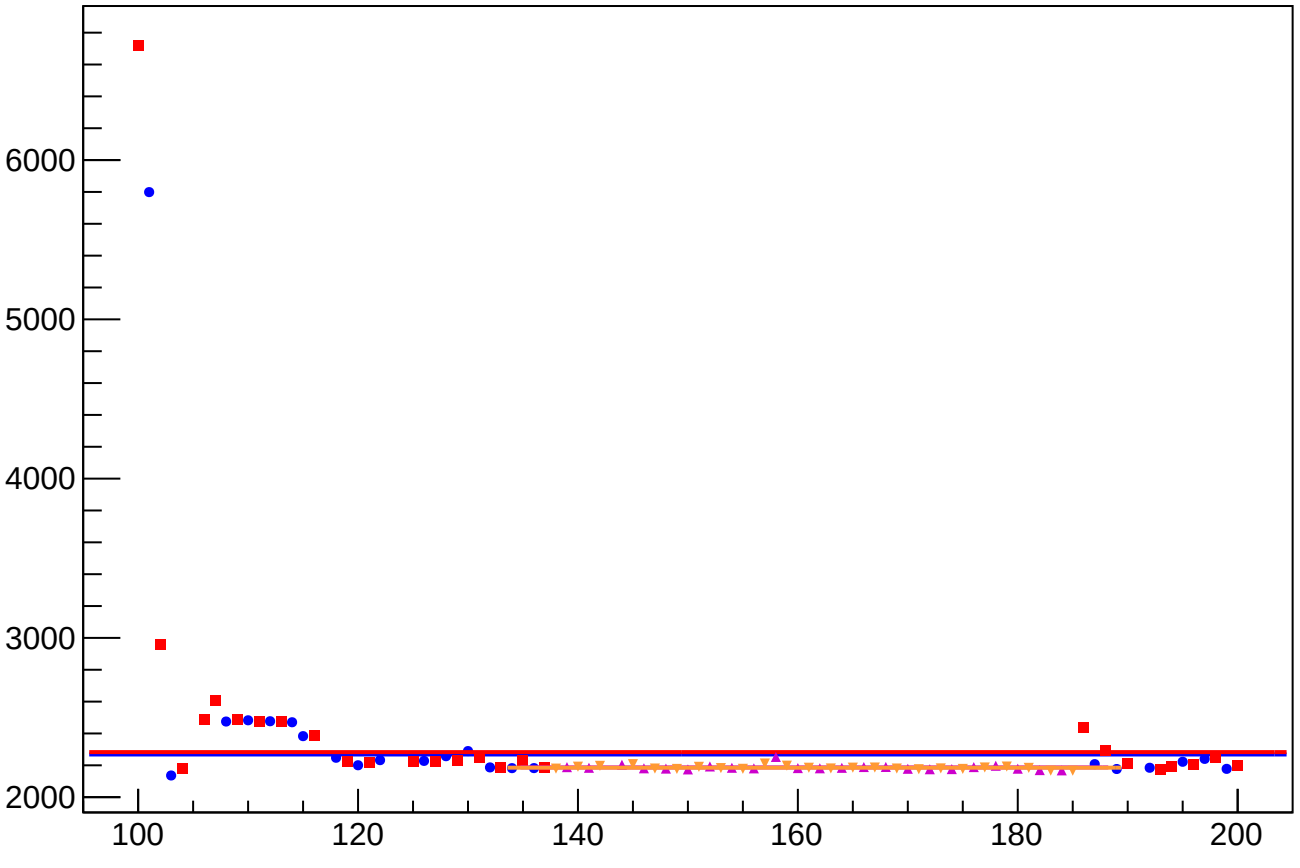
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4091.272+/-461.061 χ^2/NDF: 39.2/47

In: 4242.172+/-407.249 χ^2/NDF:49.0/44

Out: 3788.352+/-395.328 χ^2/NDF:47.5/49

All: 4008.523+/-283.660 χ^2/NDF: 97.2/94



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.5/21

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

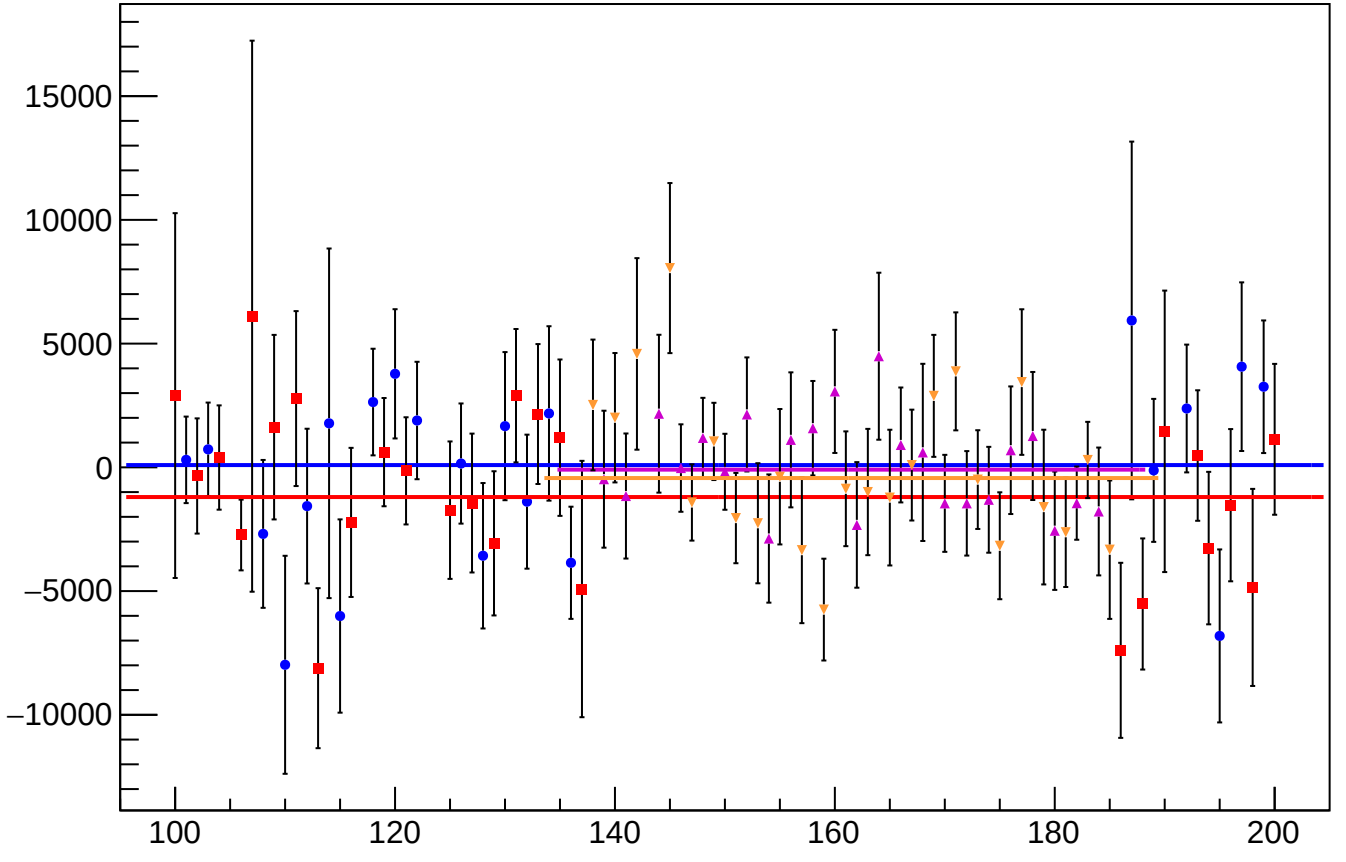
Right: 2275.999+/-0.326 χ^2/NDF: 700482.0/47

In: 2216.313+/-0.288 χ^2/NDF:547292.1/44

Out: 2223.522+/-0.280 χ^2/NDF:203187.8/49

All: 2220.025+/-0.201 χ^2/NDF: 750802.6/94

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 91.881+/-586.858 χ^2/NDF: 24.7/21

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1200.000+/-553.871 χ^2/NDF: 23.6/25

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

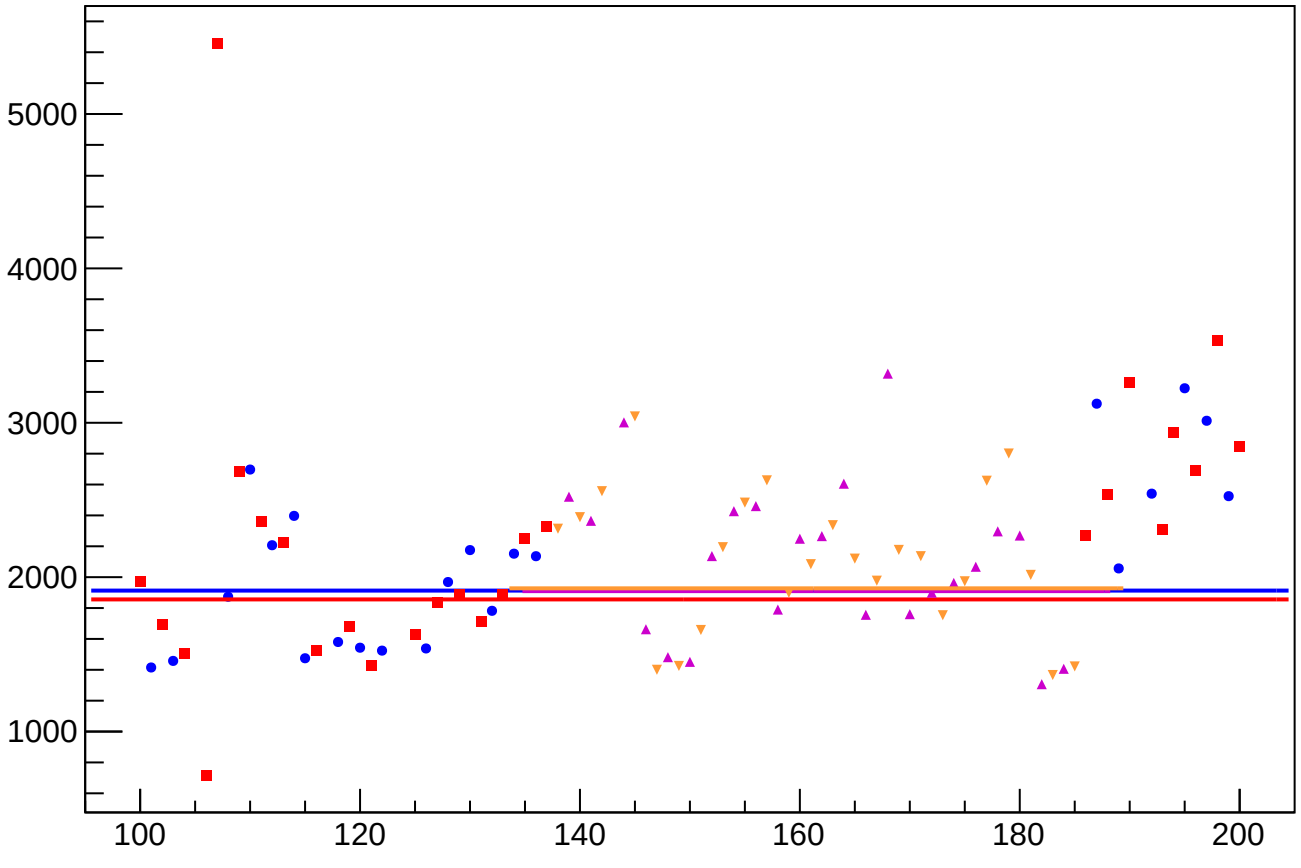
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -591.386+/-402.803 χ^2/NDF: 50.8/47

In: -22.295+/-362.363 χ^2/NDF:37.5/44

Out: -747.586+/-354.953 χ^2/NDF:56.0/49

All: -392.432+/-253.569 χ^2/NDF: 95.6/94



Right In: 1913.082+/-0.415 χ^2/NDF: 1406228.7/21

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

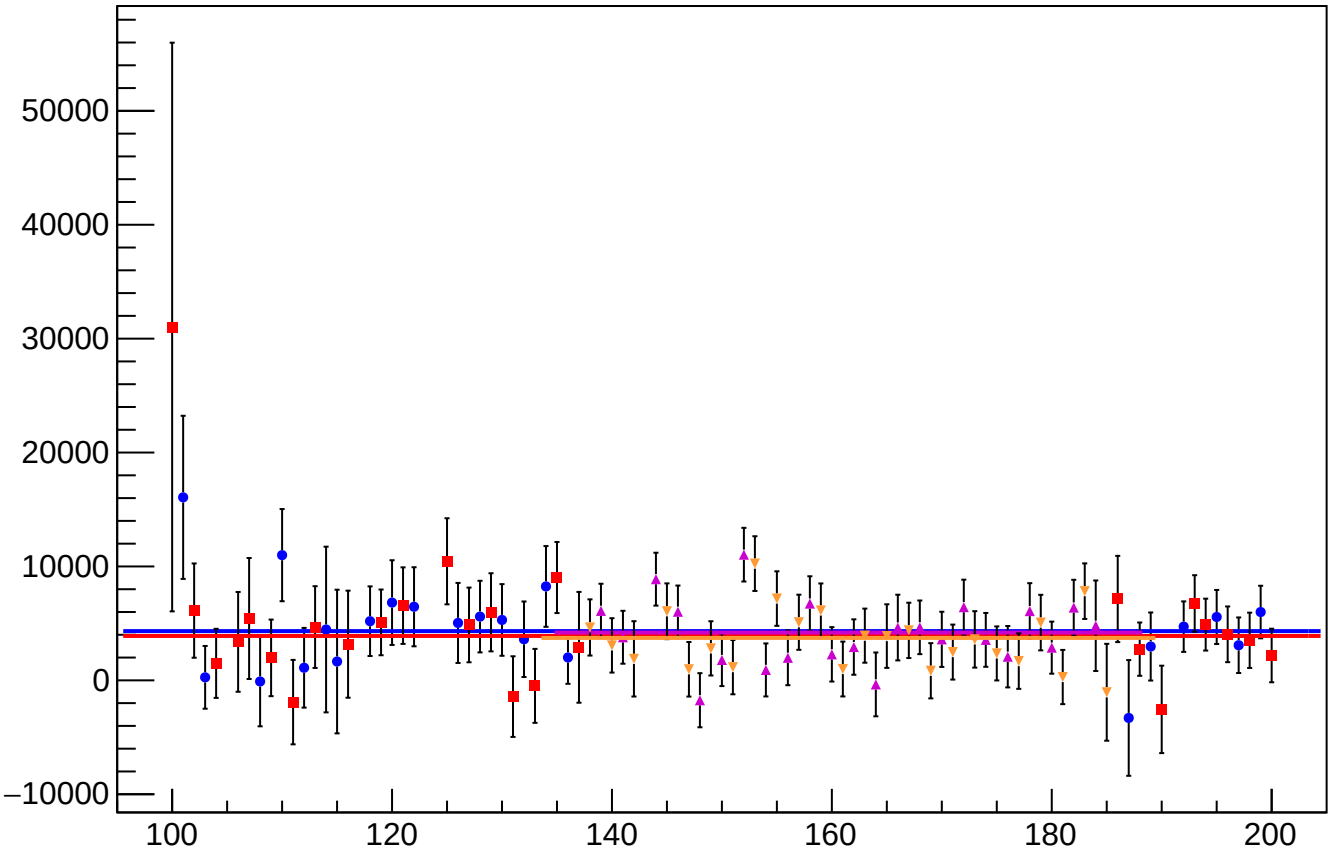
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1882.827+/-0.285 χ^2/NDF: 4614178.0/47

In: 1910.935+/-0.256 χ^2/NDF:3348536.7/44

Out: 1898.180+/-0.251 χ^2/NDF:5016078.3/49

All: 1904.426+/-0.179 χ^2/NDF: 8365879.7/94



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

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

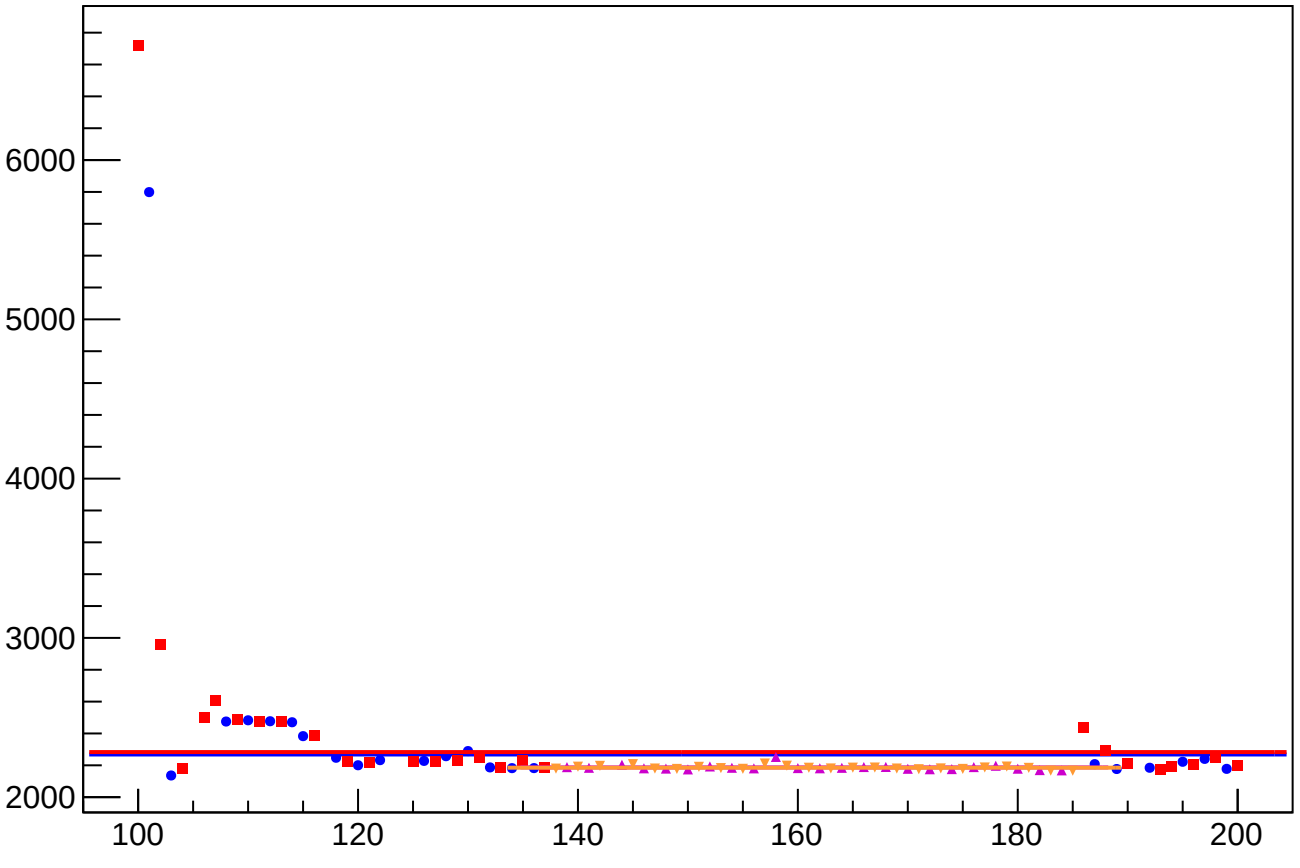
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4096.210+/-461.083 χ^2/NDF: 39.1/47

In: 4242.120+/-407.249 χ^2/NDF:49.0/44

Out: 3792.048+/-395.342 χ^2/NDF:47.5/49

All: 4010.409+/-283.665 χ^2/NDF: 97.2/94



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

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

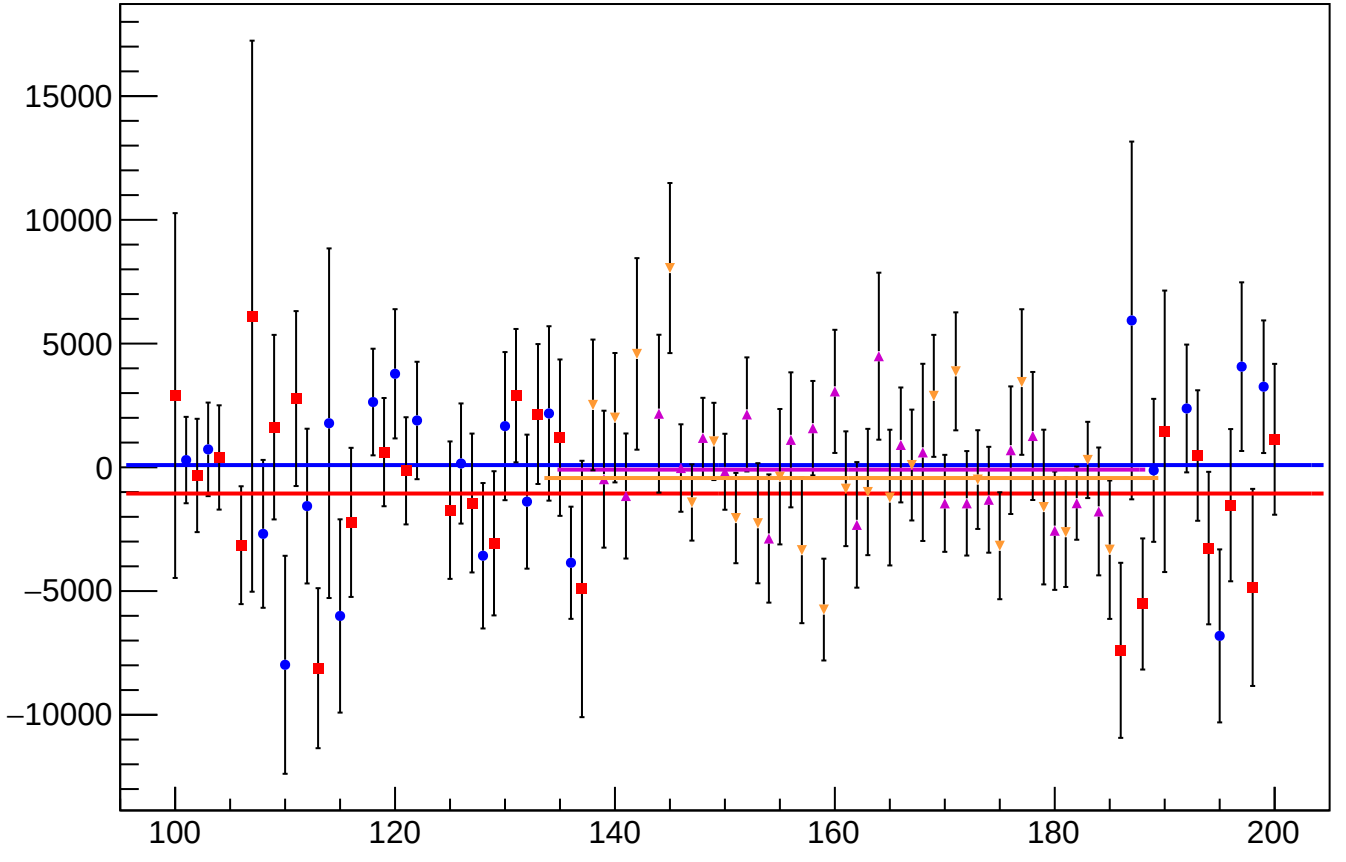
Right: 2276.098+/-0.326 χ^2/NDF: 700931.6/47

In: 2216.313+/-0.288 χ^2/NDF:547292.5/44

Out: 2223.591+/-0.280 χ^2/NDF:203731.4/49

All: 2220.060+/-0.201 χ^2/NDF: 751352.7/94

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

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

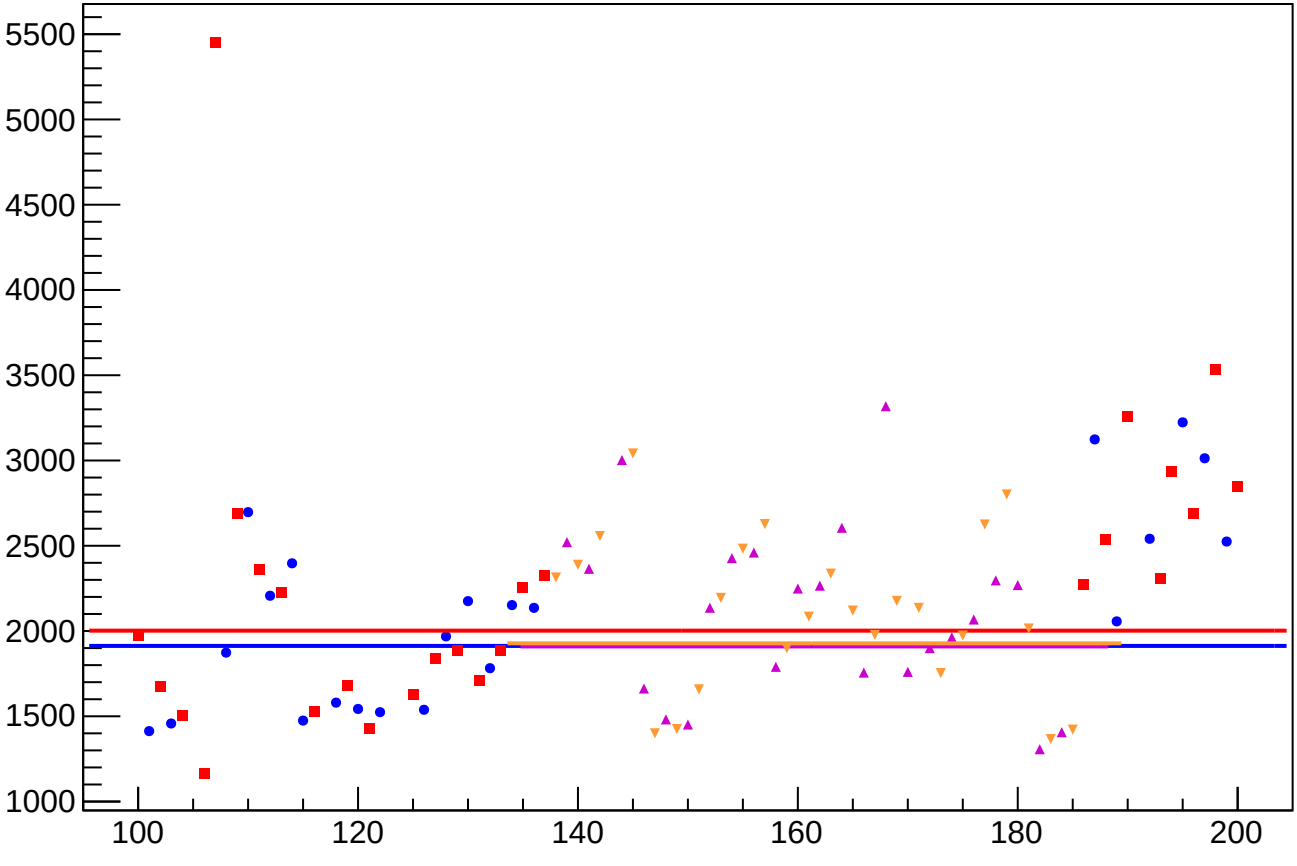
Right: -488.666+/-413.186 χ^2/NDF: 49.7/47

In: -22.596+/-362.342 χ^2/NDF:37.5/44

Out: -674.771+/-362.017 χ^2/NDF:55.0/49

All: -348.976+/-256.100 χ^2/NDF: 94.2/94

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

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

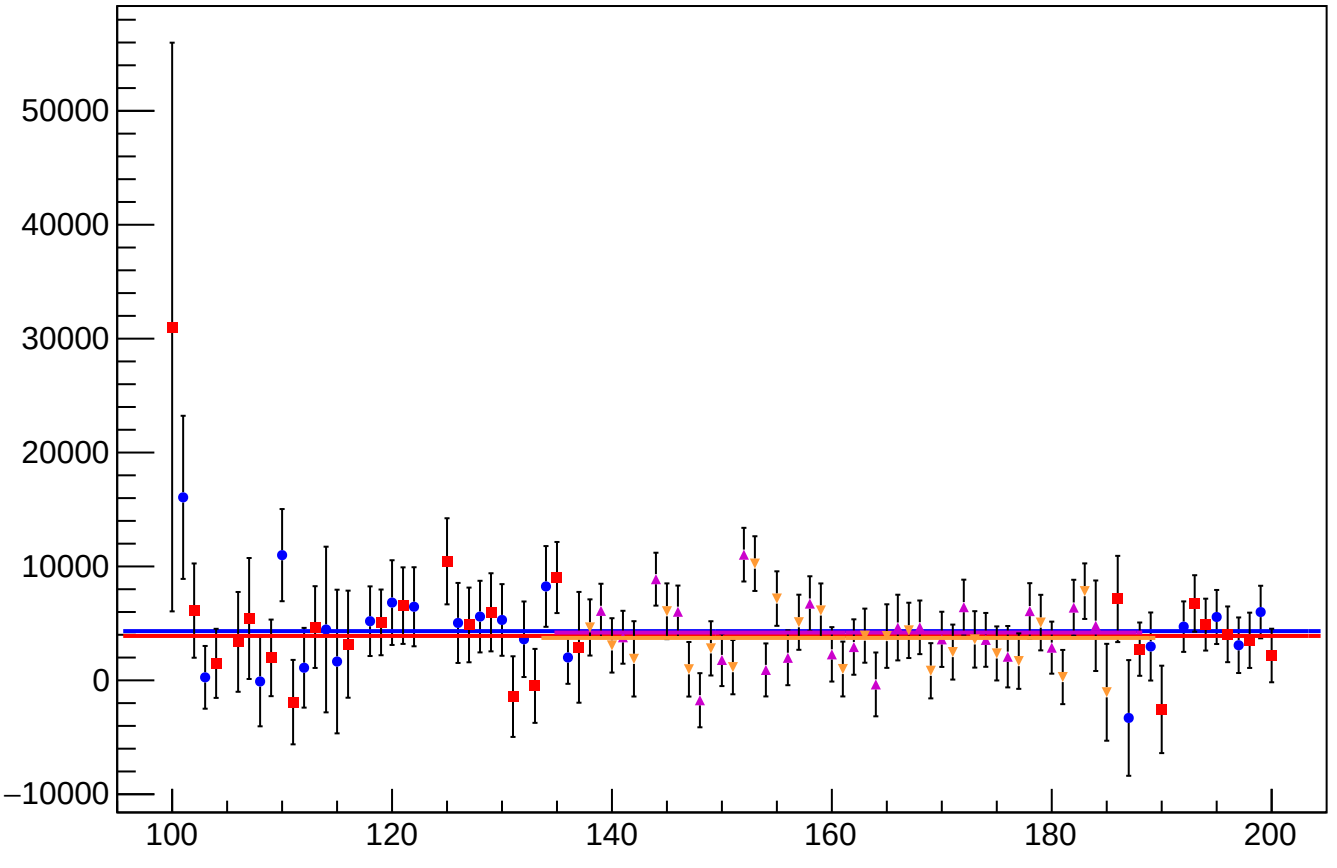
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1957.855+/-0.292 χ^2/NDF: 3398937.2/47

In: 1910.799+/-0.256 χ^2/NDF:3350252.8/44

Out: 1956.527+/-0.256 χ^2/NDF:3786079.4/49

All: 1933.684+/-0.181 χ^2/NDF: 7152273.2/94



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

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

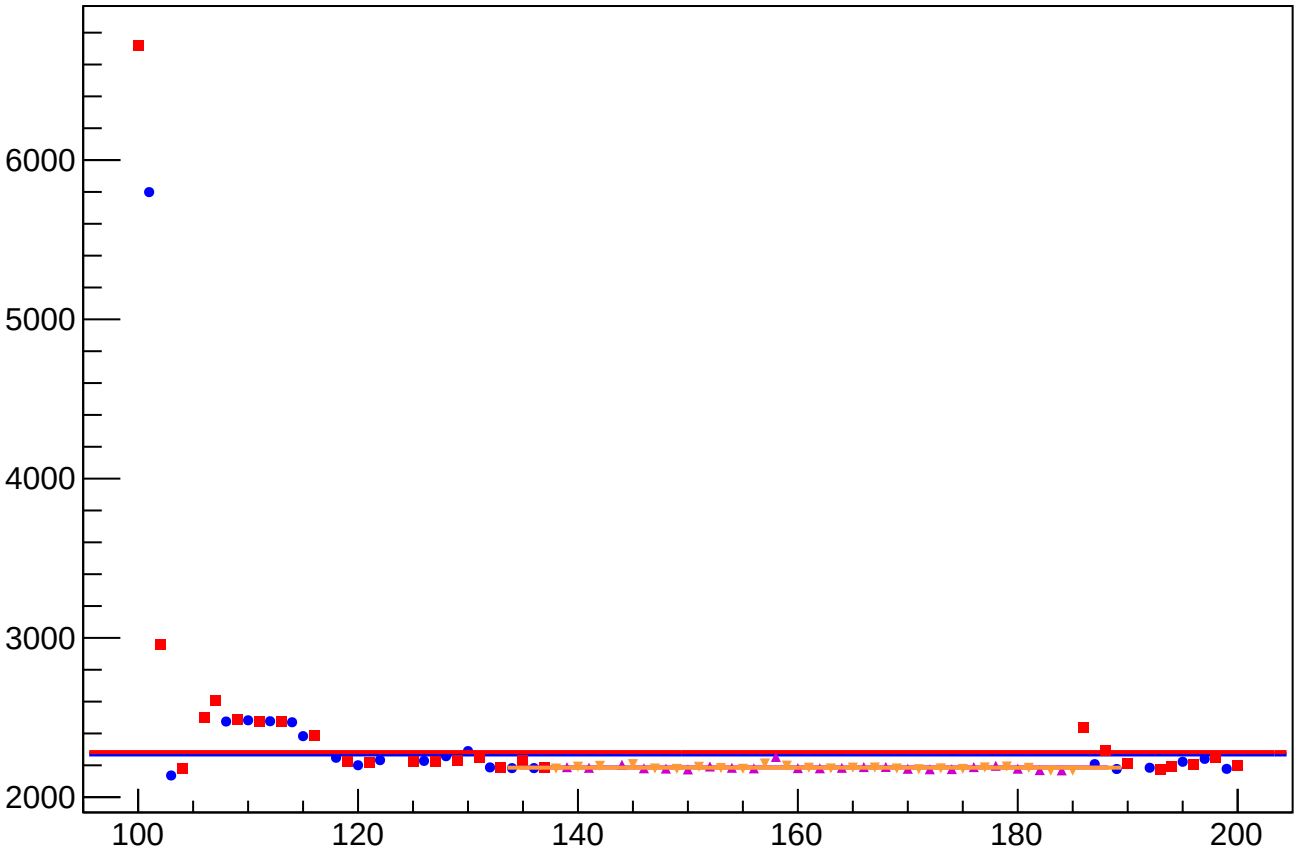
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4096.210+/-461.083 χ^2/NDF: 39.1/47

In: 4242.120+/-407.249 χ^2/NDF:49.0/44

Out: 3792.048+/-395.342 χ^2/NDF:47.5/49

All: 4010.409+/-283.665 χ^2/NDF: 97.2/94



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

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

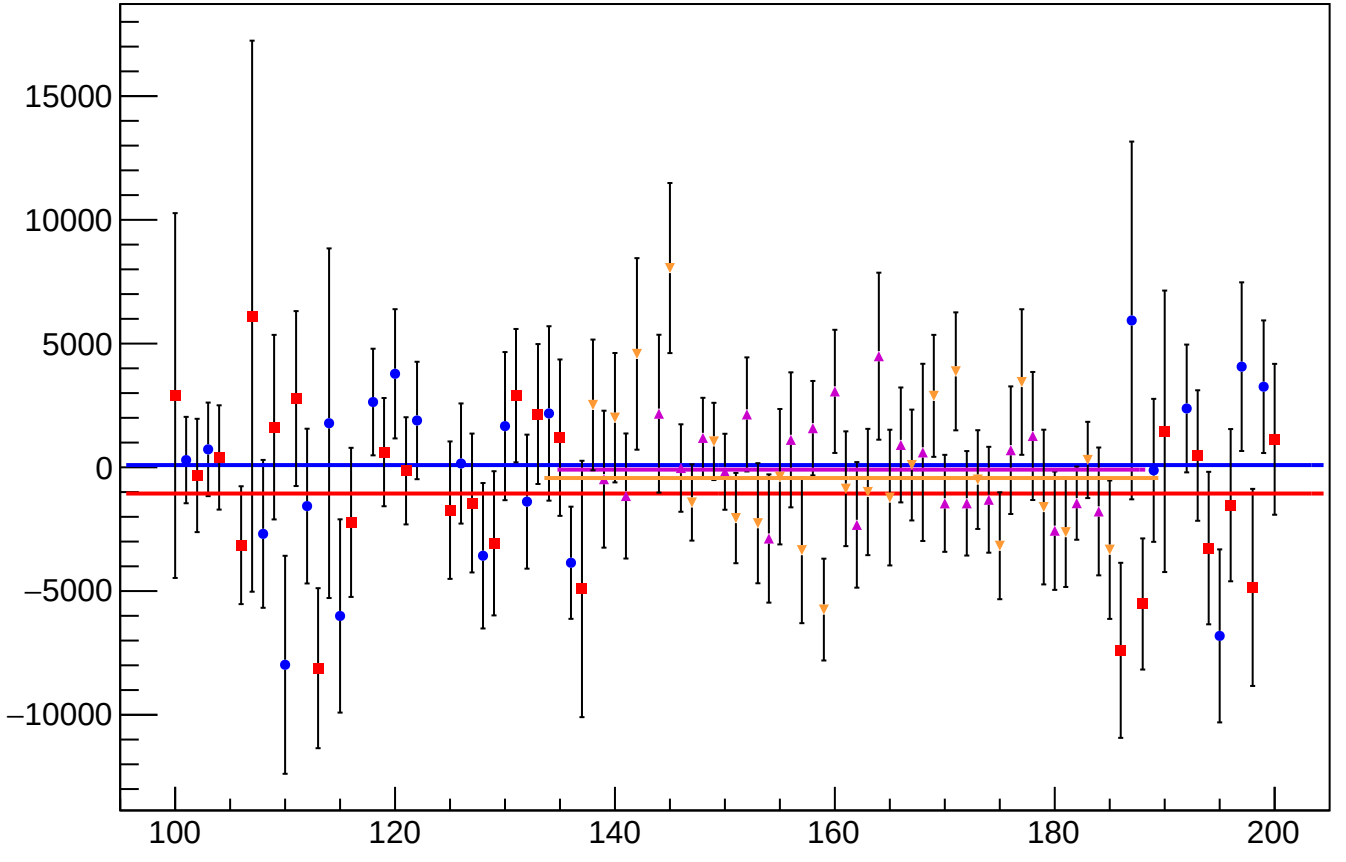
Right: 2276.098+/-0.326 χ^2/NDF: 700931.6/47

In: 2216.313+/-0.288 χ^2/NDF:547292.5/44

Out: 2223.591+/-0.280 χ^2/NDF:203731.4/49

All: 2220.060+/-0.201 χ^2/NDF: 751352.7/94

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

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

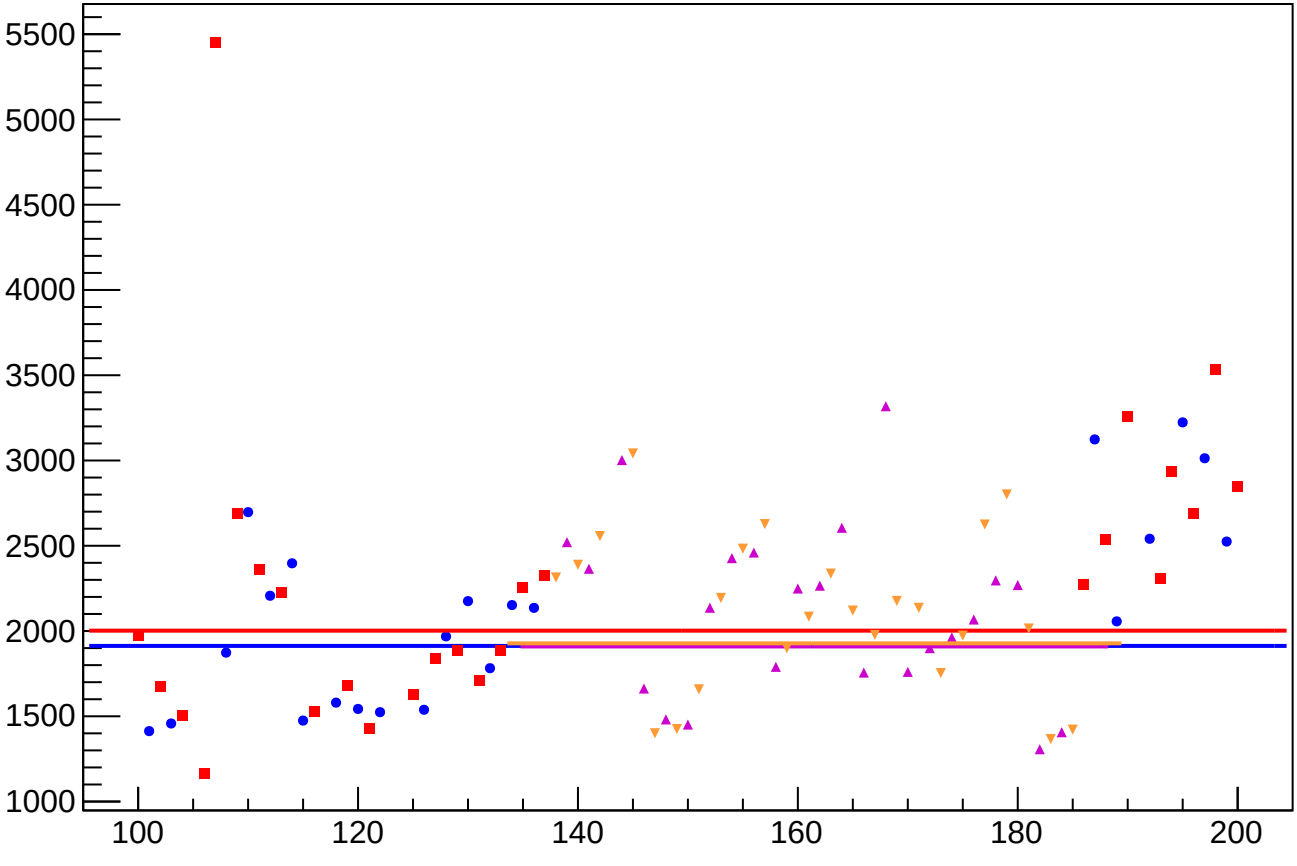
Right: -488.666+/-413.186 χ^2/NDF: 49.7/47

In: -22.596+/-362.342 χ^2/NDF:37.5/44

Out: -674.771+/-362.017 χ^2/NDF:55.0/49

All: -348.976+/-256.100 χ^2/NDF: 94.2/94

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

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

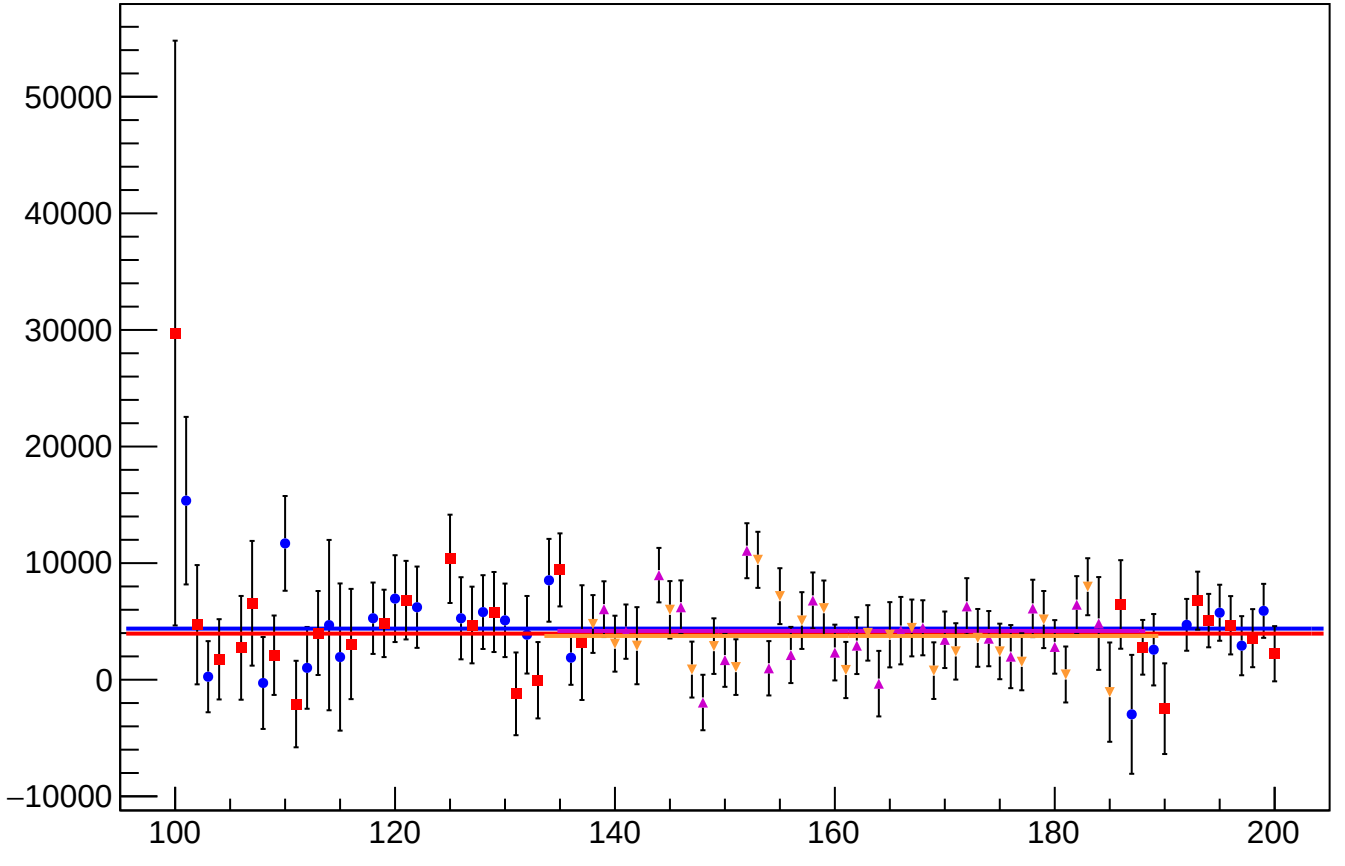
Right: 1957.855+/-0.292 χ^2/NDF: 3398937.2/47

In: 1910.799+/-0.256 χ^2/NDF:3350252.8/44

Out: 1956.527+/-0.256 χ^2/NDF:3786079.4/49

All: 1933.684+/-0.181 χ^2/NDF: 7152273.2/94

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4383.639+/-684.147 χ^2/NDF: 17.1/21

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

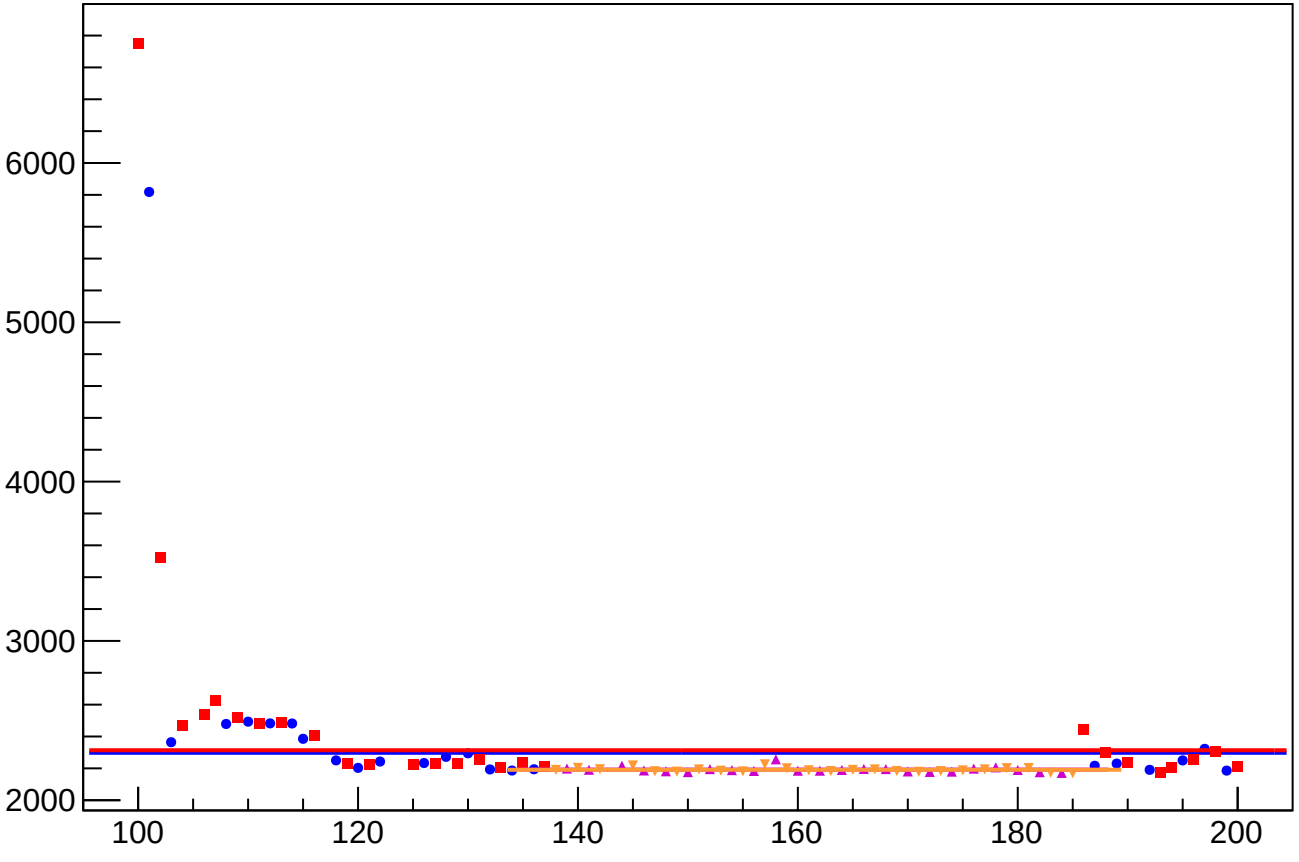
Right: 4155.663+/-467.944 χ^2/NDF: 38.4/47

In: 4255.783+/-409.849 χ^2/NDF:49.8/44

Out: 3831.715+/-398.515 χ^2/NDF:46.8/49

All: 4037.805+/-285.716 χ^2/NDF: 97.2/94

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.6/21

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

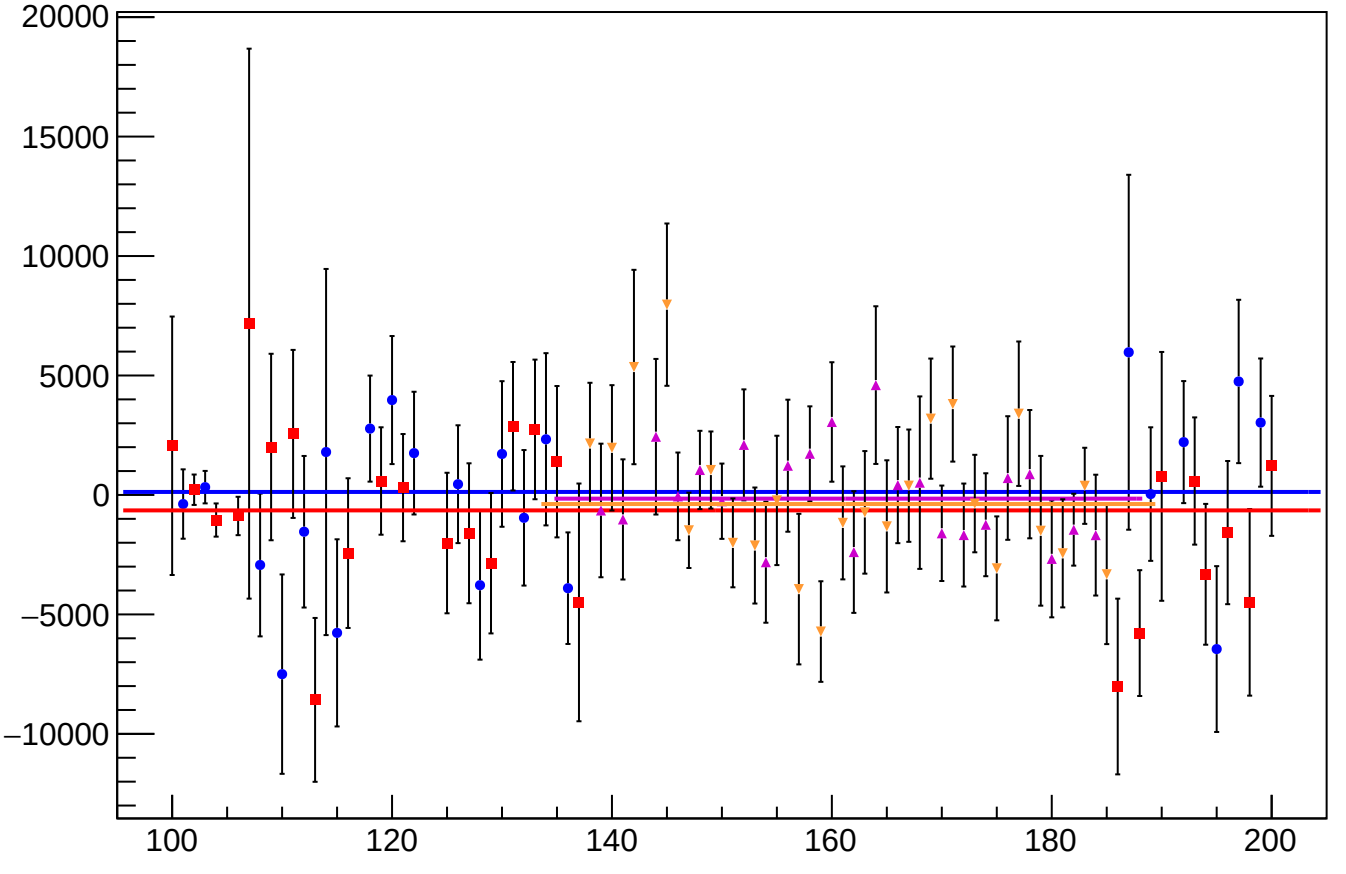
Right: 2306.280+/-0.331 χ^2/NDF: 757009.2/47

In: 2230.111+/-0.290 χ^2/NDF:552694.9/44

Out: 2238.450+/-0.282 χ^2/NDF:282651.0/49

All: 2234.397+/-0.202 χ^2/NDF: 835771.4/94

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 125.789+/-453.962 χ^2/NDF: 24.3/21

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

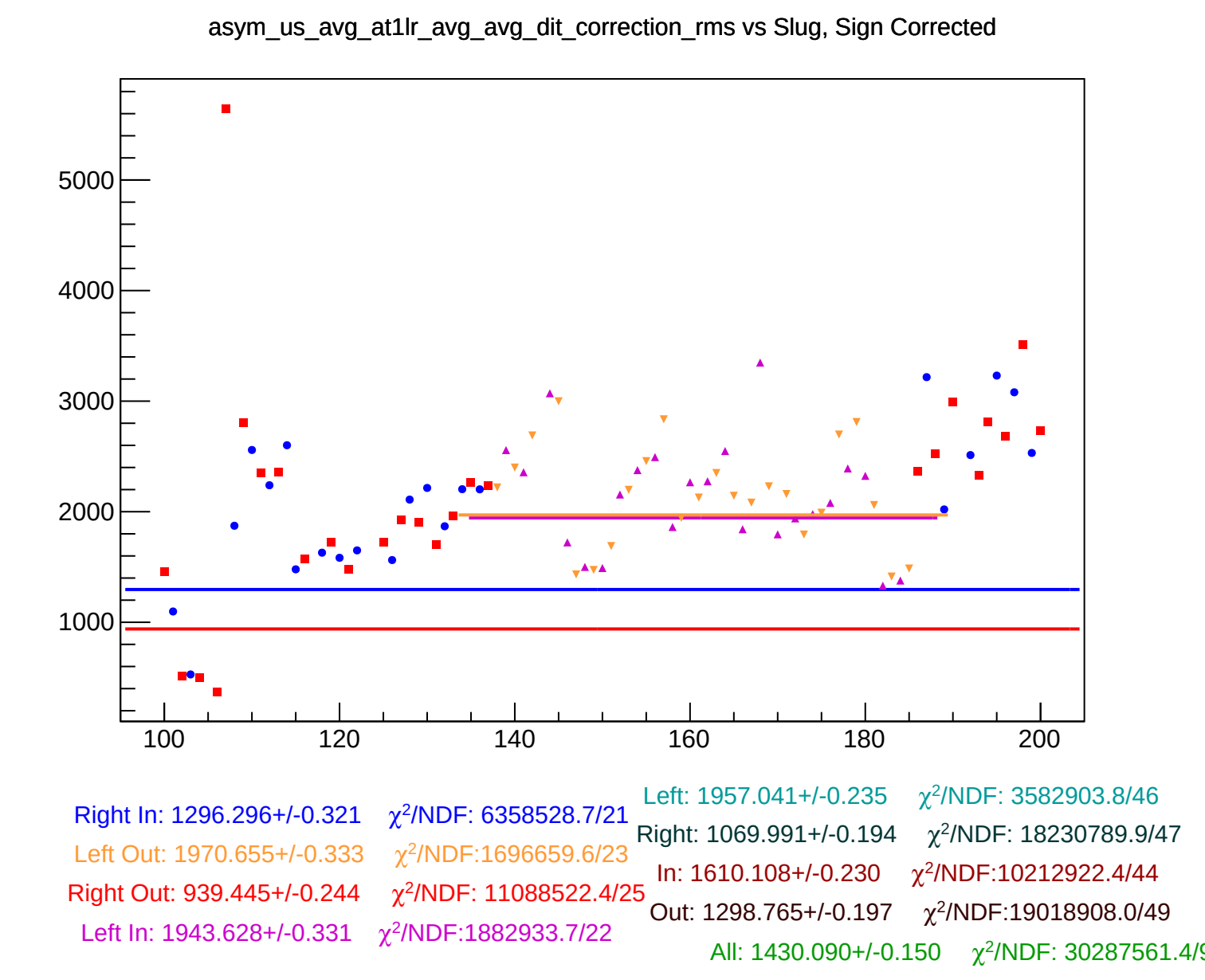
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

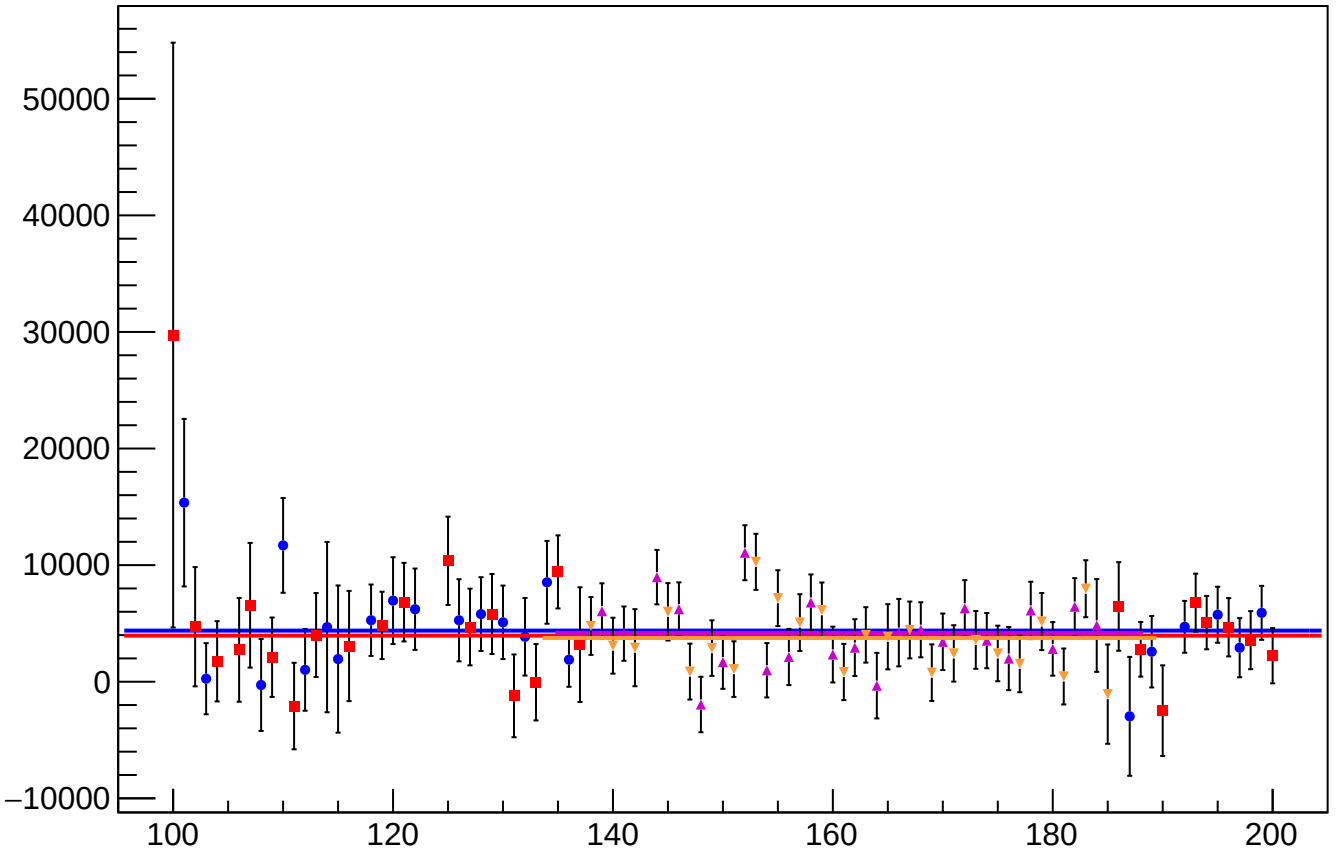
Right: -363.832+/-274.574 χ^2/NDF: 51.9/47

In: -10.095+/-325.849 χ^2/NDF:37.3/44

Out: -553.664+/-278.312 χ^2/NDF:56.8/49

All: -324.386+/-211.627 χ^2/NDF: 95.7/94


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1296.296+/-0.321 χ²/NDF: 6358528.7/21
Left Out: 1970.655+/-0.333 χ²/NDF:1696659.6/23
Right Out: 939.445+/-0.244 χ²/NDF: 11088522.4/25
Left In: 1943.628+/-0.331 χ²/NDF:1882933.7/22
Left: 1957.041+/-0.235 χ²/NDF: 3582903.8/46
Right: 1069.991+/-0.194 χ²/NDF: 18230789.9/47
In: 1610.108+/-0.230 χ²/NDF:10212922.4/44
Out: 1298.765+/-0.197 χ²/NDF:19018908.0/49
All: 1430.090+/-0.150 χ²/NDF: 30287561.4/9



Right In: 4383.636+/-684.147 χ^2/NDF: 17.1/21

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

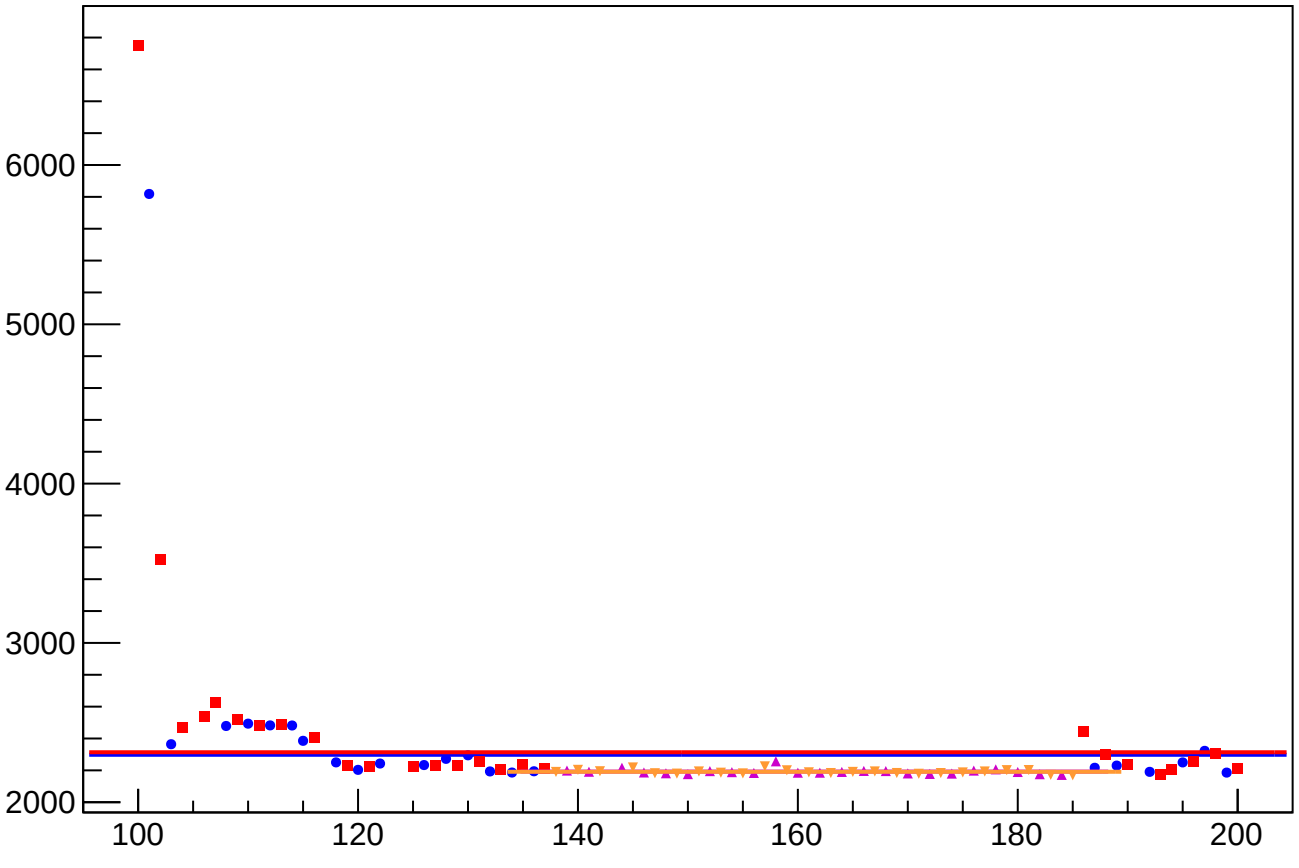
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4155.659+/-467.944 χ^2/NDF: 38.4/47

In: 4255.783+/-409.849 χ^2/NDF:49.8/44

Out: 3831.713+/-398.515 χ^2/NDF:46.8/49

All: 4037.803+/-285.716 χ^2/NDF: 97.2/94



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.5/21

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

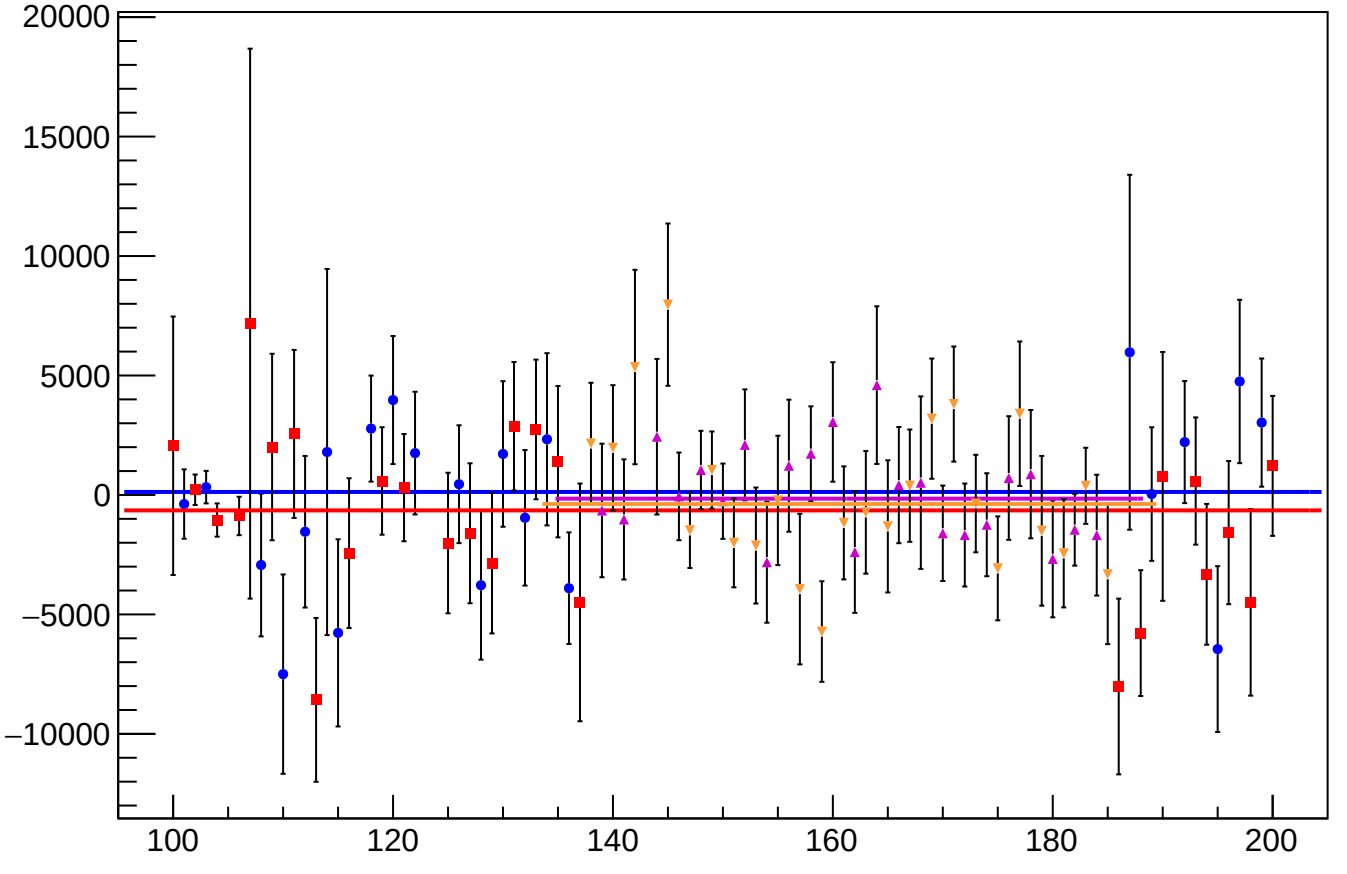
Right: 2306.280+/-0.331 χ^2/NDF: 757008.0/47

In: 2230.111+/-0.290 χ^2/NDF:552694.6/44

Out: 2238.450+/-0.282 χ^2/NDF:282649.6/49

All: 2234.397+/-0.202 χ^2/NDF: 835769.7/94

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 125.784+/-453.964 χ^2/NDF: 24.3/21

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

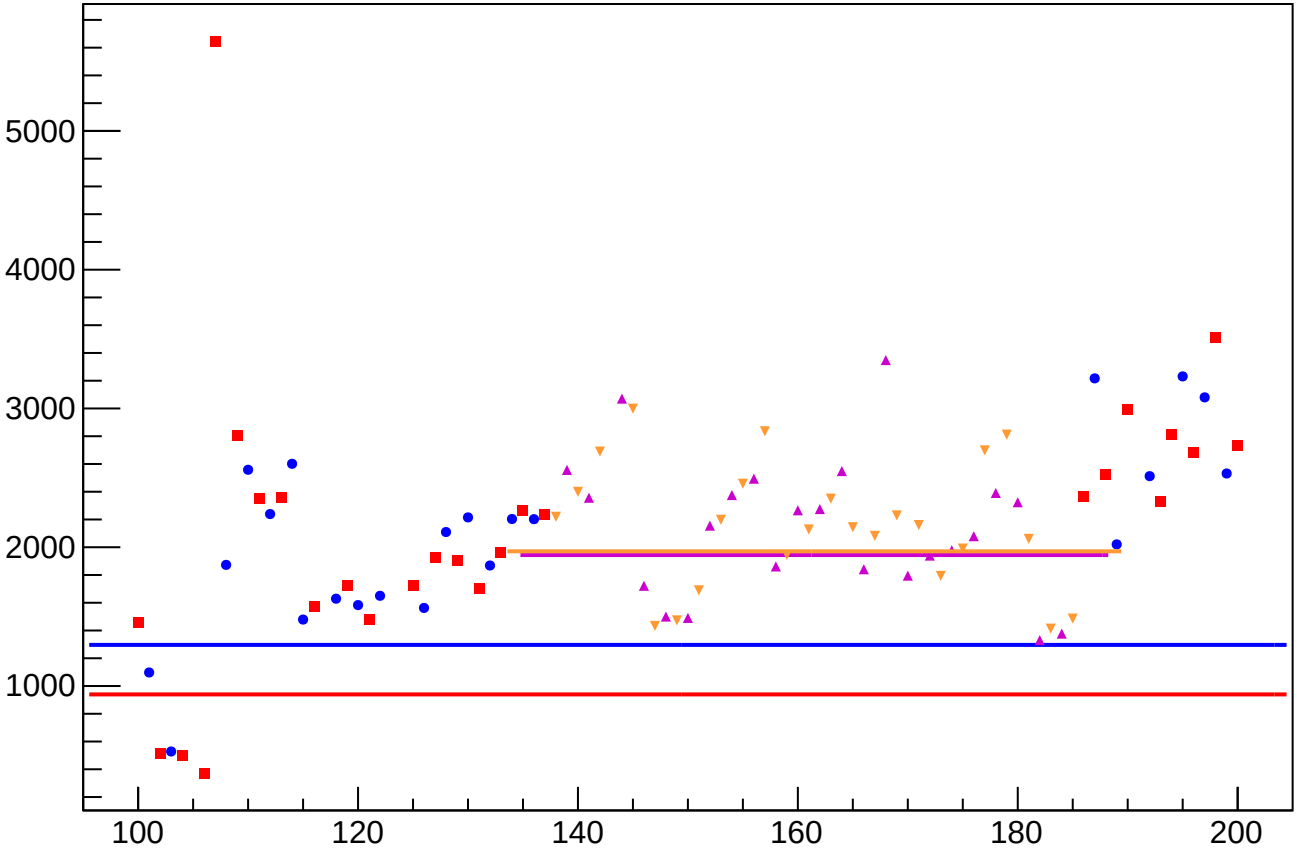
Right: -363.836+/-274.576 χ^2/NDF: 51.9/47

In: -10.098+/-325.850 χ^2/NDF:37.3/44

Out: -553.669+/-278.314 χ^2/NDF:56.8/49

All: -324.389+/-211.628 χ^2/NDF: 95.7/94

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1296.306+/-0.321 χ^2/NDF: 6358423.8/21

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

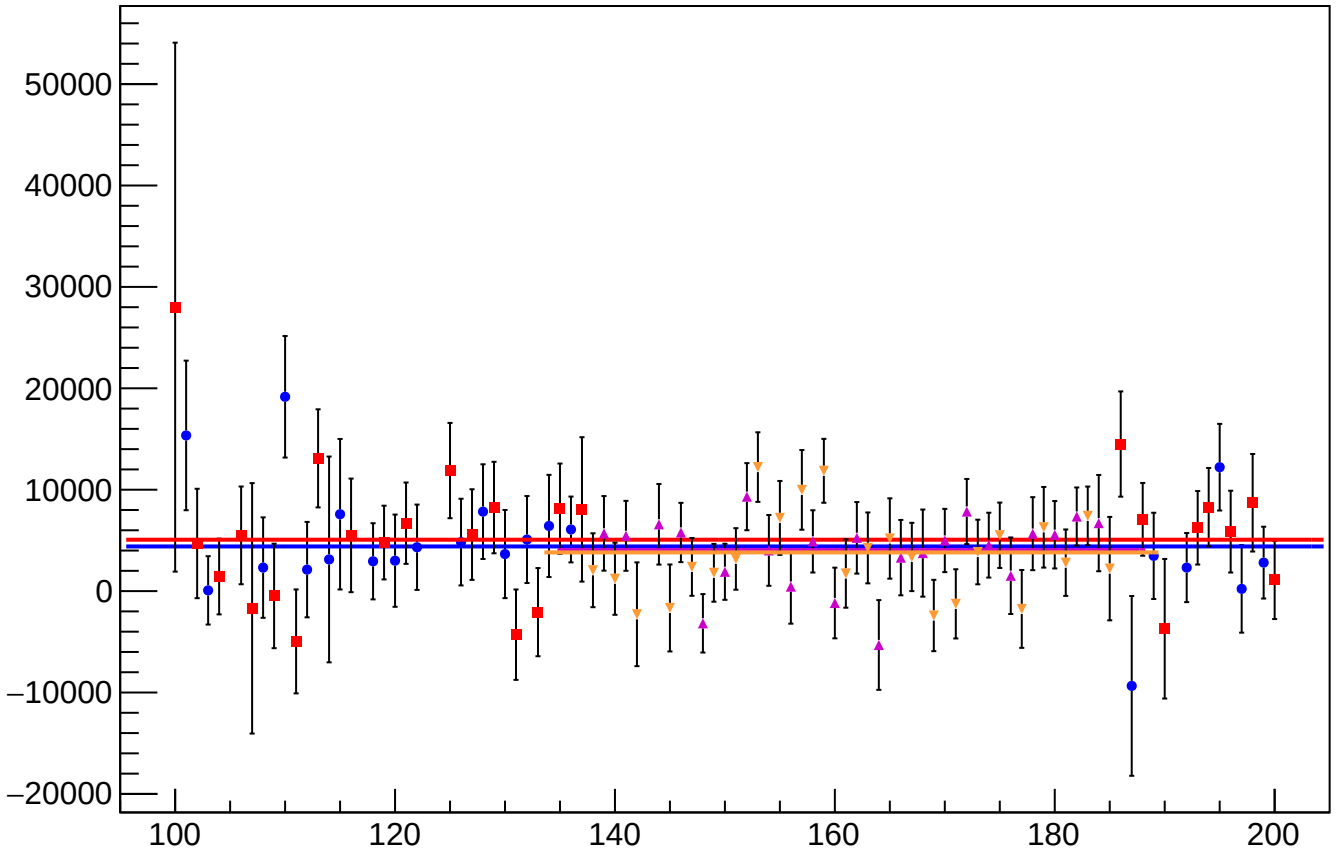
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1070.008+/-0.194 χ^2/NDF: 18230432.4/47

In: 1610.116+/-0.230 χ^2/NDF:10212761.8/44

Out: 1298.783+/-0.197 χ^2/NDF:19018460.2/49

All: 1430.104+/-0.150 χ^2/NDF: 30286876.3/9



Right In: 4404.271+/-949.847 χ^2/NDF: 19.1/21

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

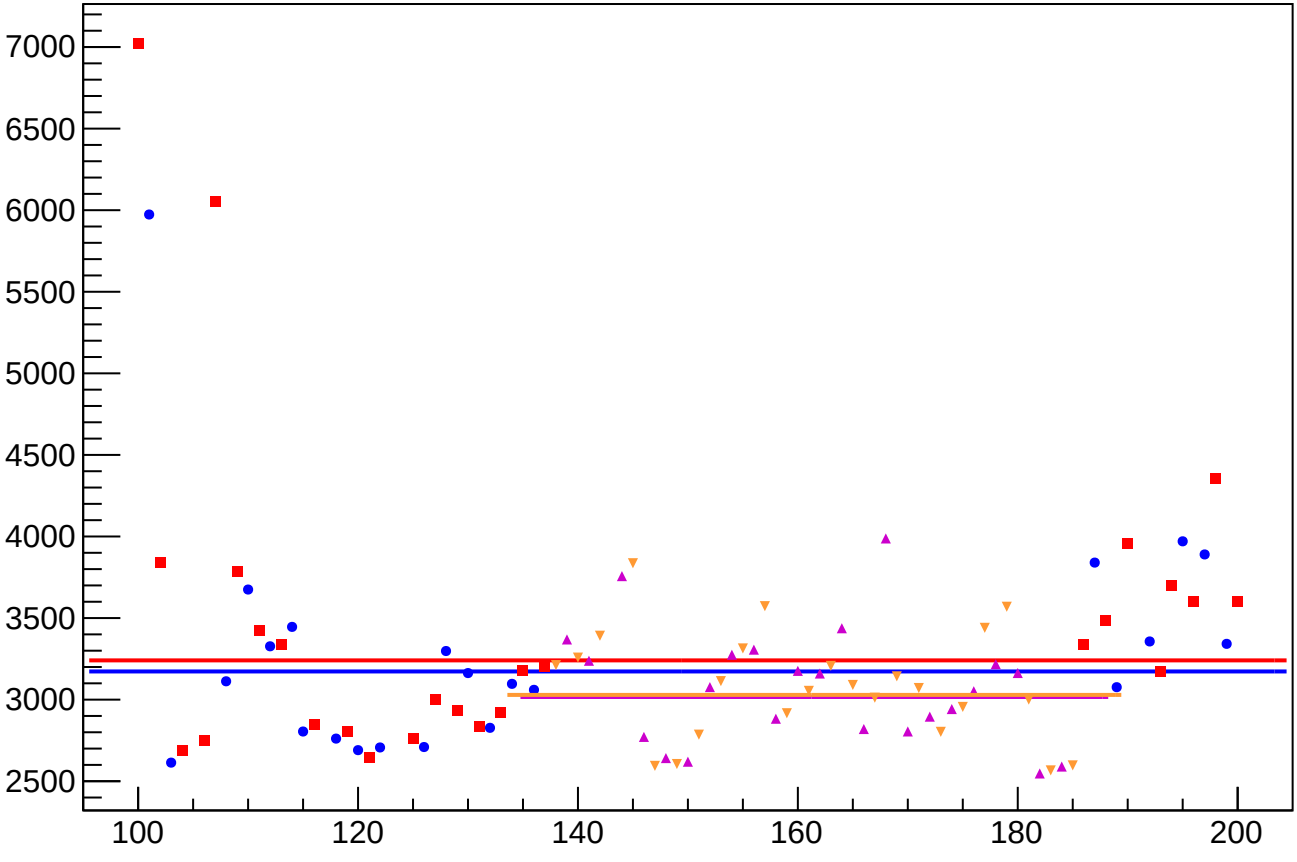
Right: 4751.943+/-656.131 χ^2/NDF: 47.4/47

In: 4172.029+/-568.465 χ^2/NDF:41.7/44

Out: 4291.636+/-558.350 χ^2/NDF:60.1/49

All: 4232.906+/-398.341 χ^2/NDF: 101.8/94

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3172.768+/-0.672 χ^2/NDF: 625721.7/21

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

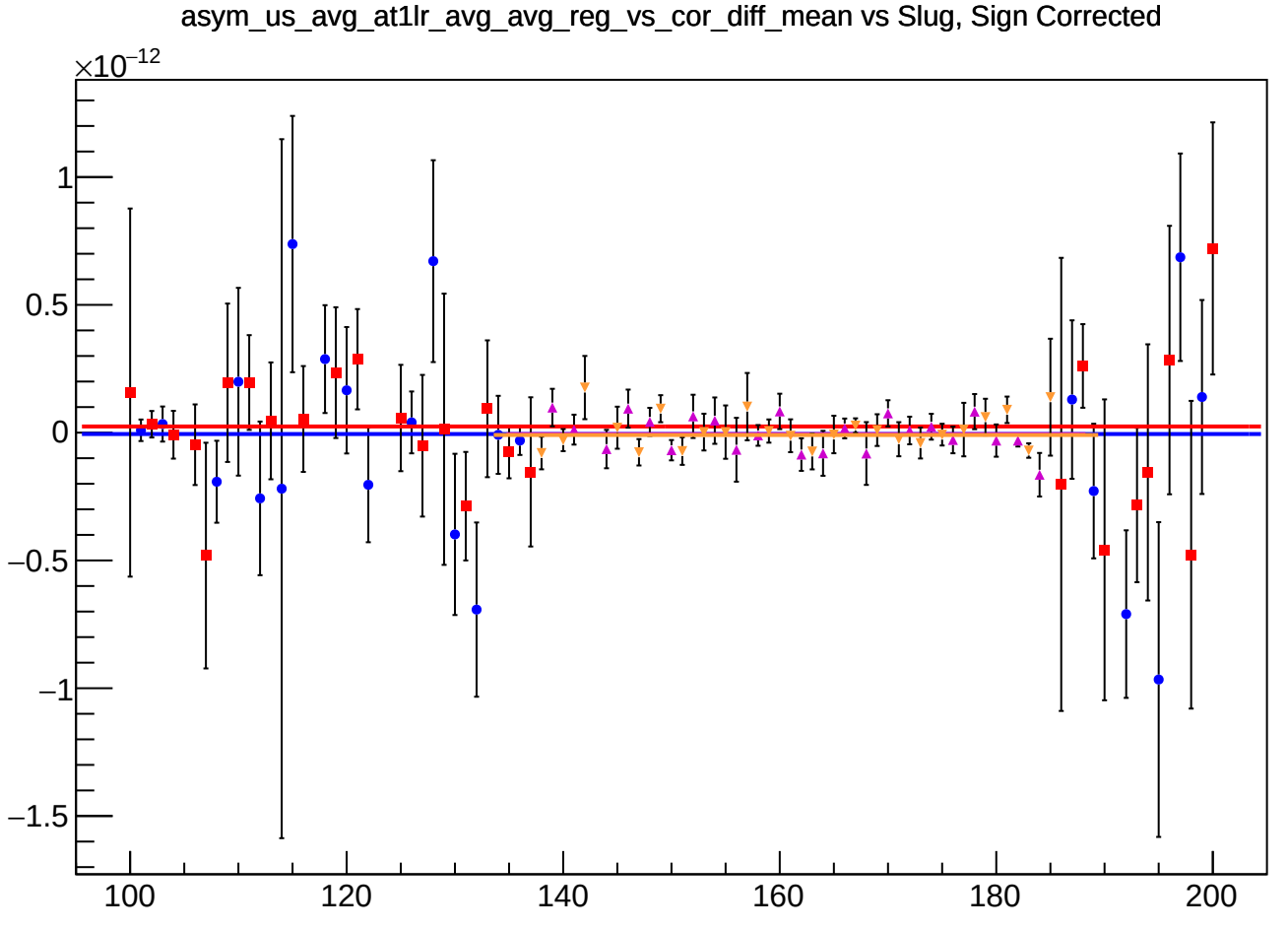
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3208.237+/-0.464 χ^2/NDF: 1240420.1/47

In: 3072.312+/-0.402 χ^2/NDF:1100473.6/44

Out: 3109.107+/-0.395 χ^2/NDF:1074069.7/49

All: 3091.040+/-0.282 χ^2/NDF: 2178808.0/94



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

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

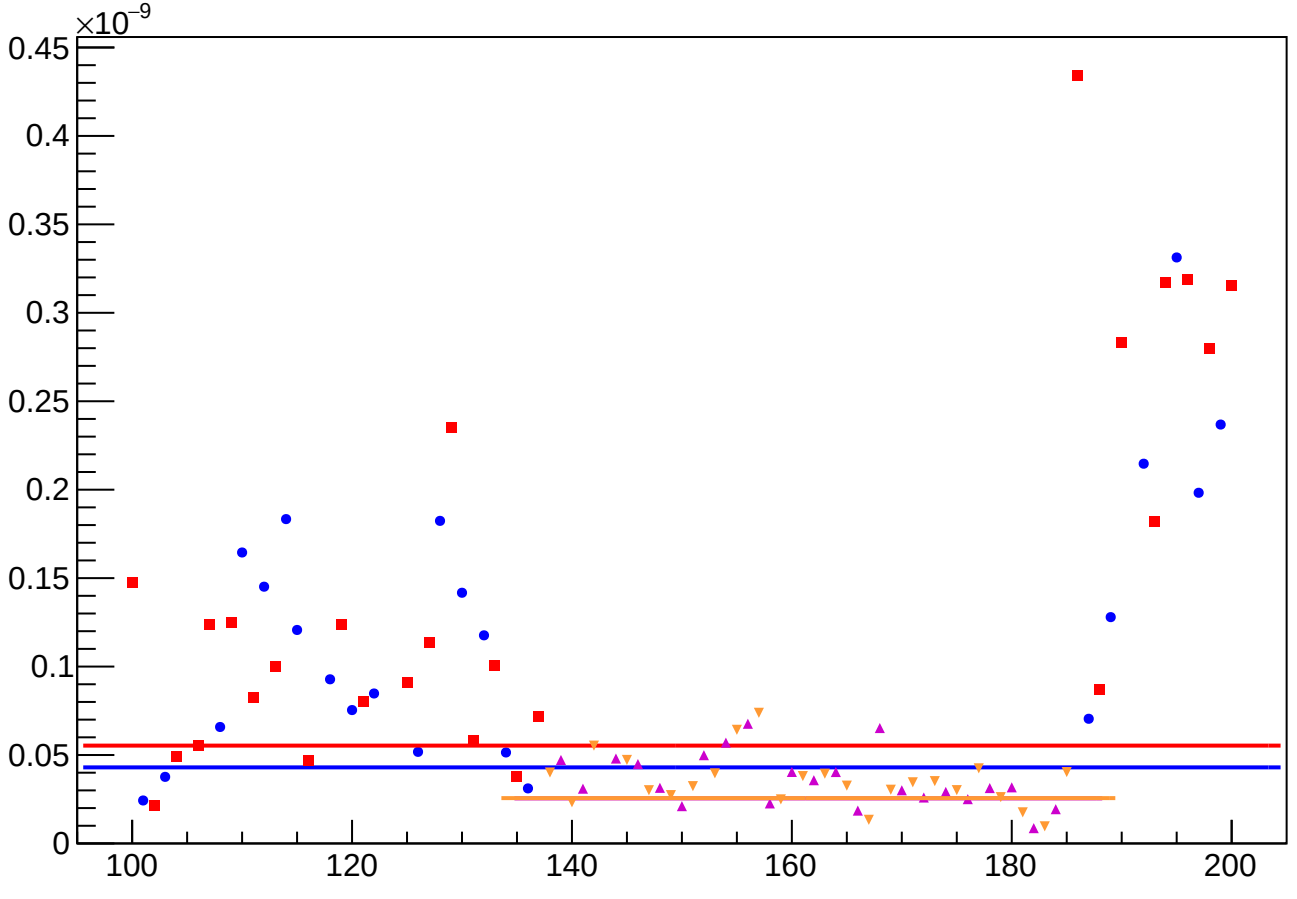
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 44.6/47

In: -0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:41.0/49

All: -0.000+/-0.000 χ^2/NDF: 92.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 3852604.2/21

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

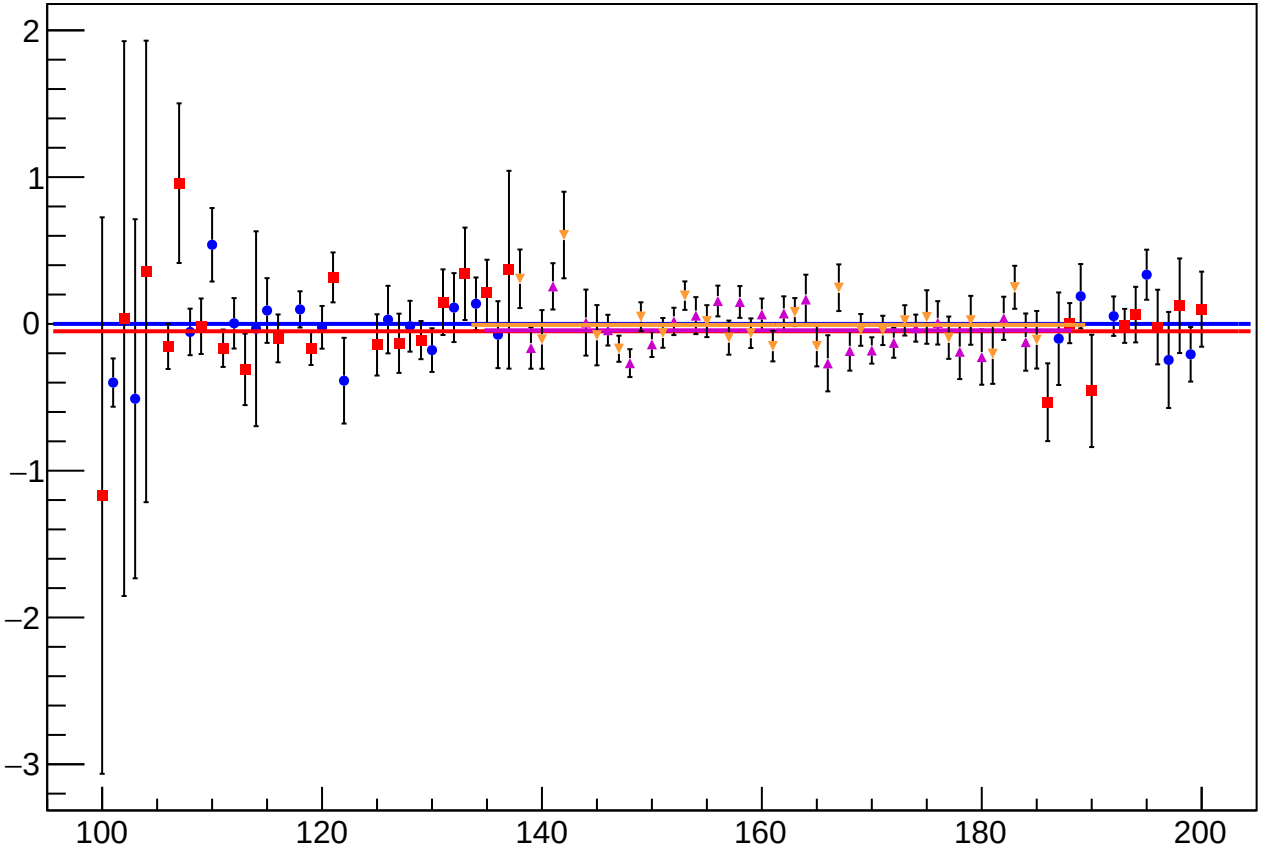
Right: 0.000+/-0.000 χ^2/NDF: 8824549.4/47

In: 0.000+/-0.000 χ^2/NDF:7393005.5/44

Out: 0.000+/-0.000 χ^2/NDF:8681055.1/49

All: 0.000+/-0.000 χ^2/NDF: 16077015.5/94

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

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

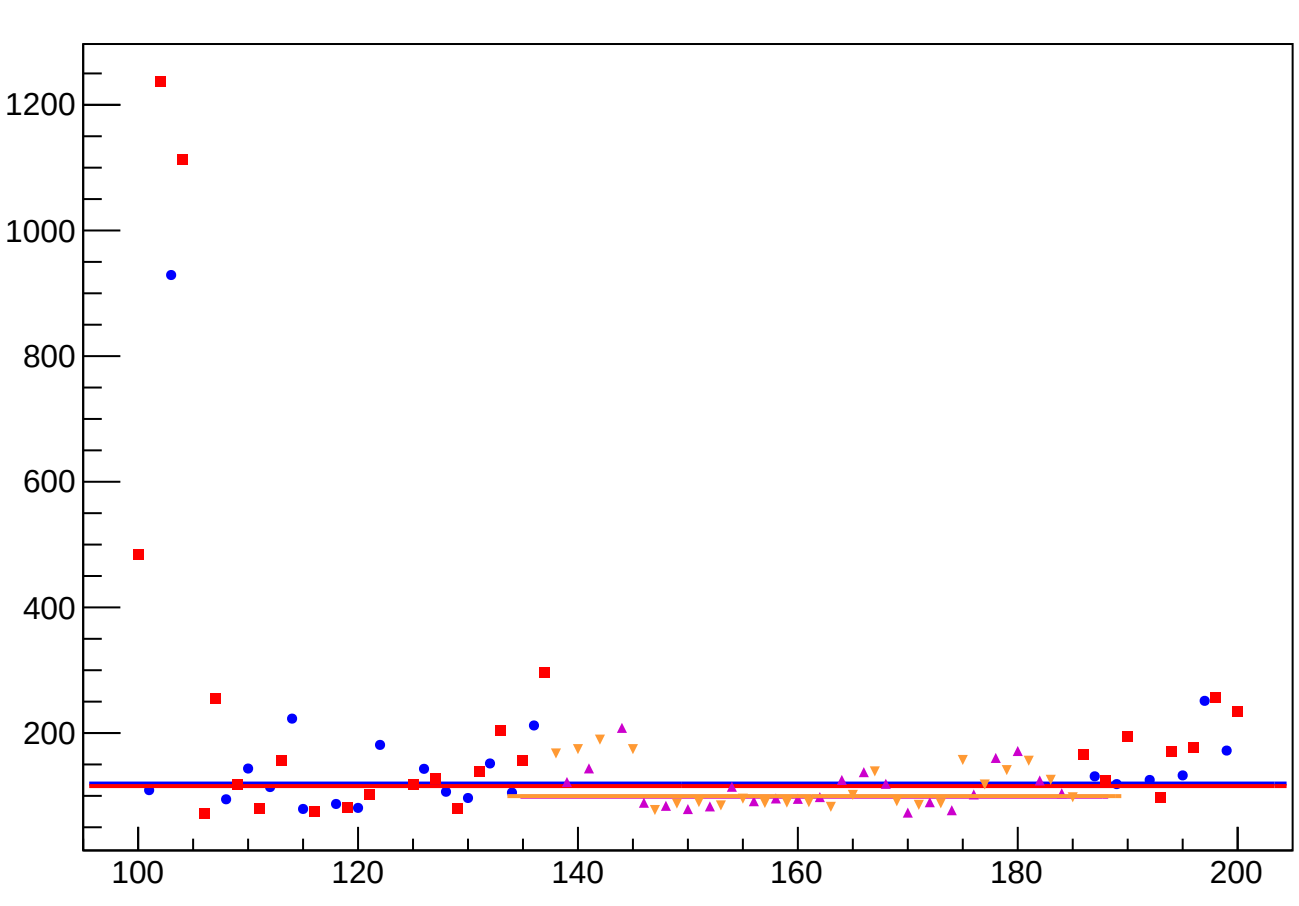
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.027+/-0.028 χ^2/NDF: 45.9/47

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.026+/-0.015 χ^2/NDF: 104.9/94



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

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

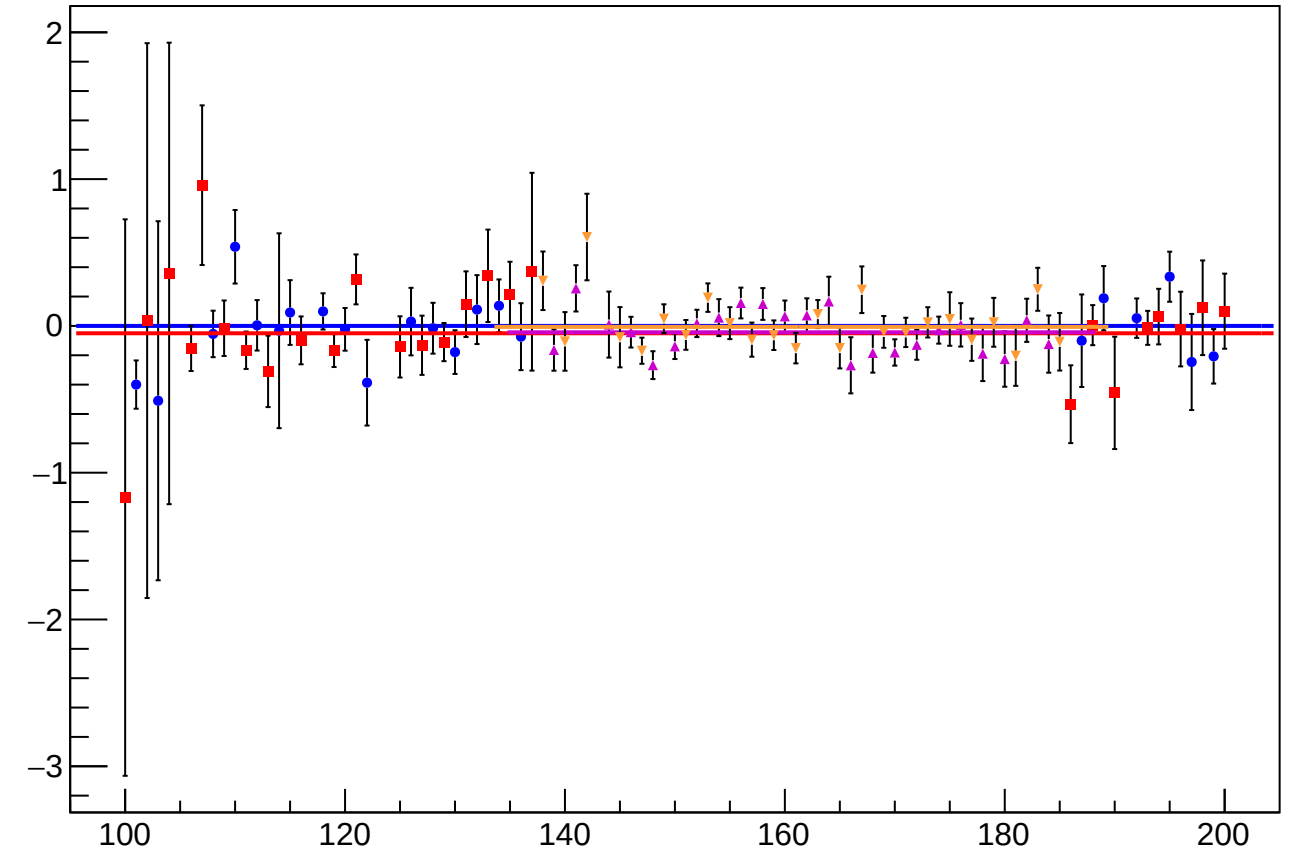
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 117.453+/-0.020 χ^2/NDF: 6702944.3/47

In: 104.397+/-0.015 χ^2/NDF:4784940.5/44

Out: 104.450+/-0.015 χ^2/NDF:6605943.9/49

All: 104.424+/-0.011 χ^2/NDF: 11390890.8/94



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

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

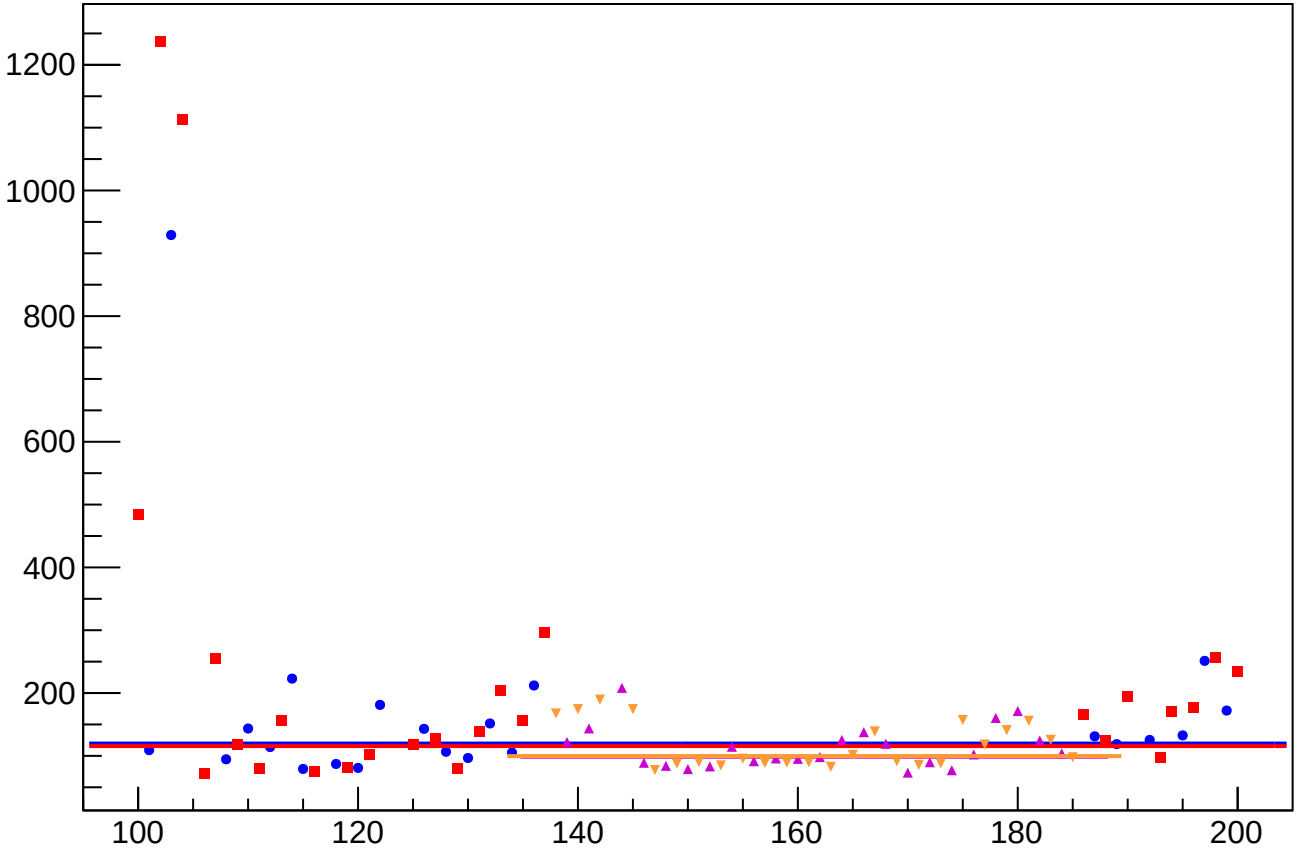
Right: -0.027+/-0.028 χ^2/NDF: 45.9/47

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.026+/-0.015 χ^2/NDF: 104.9/94

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

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

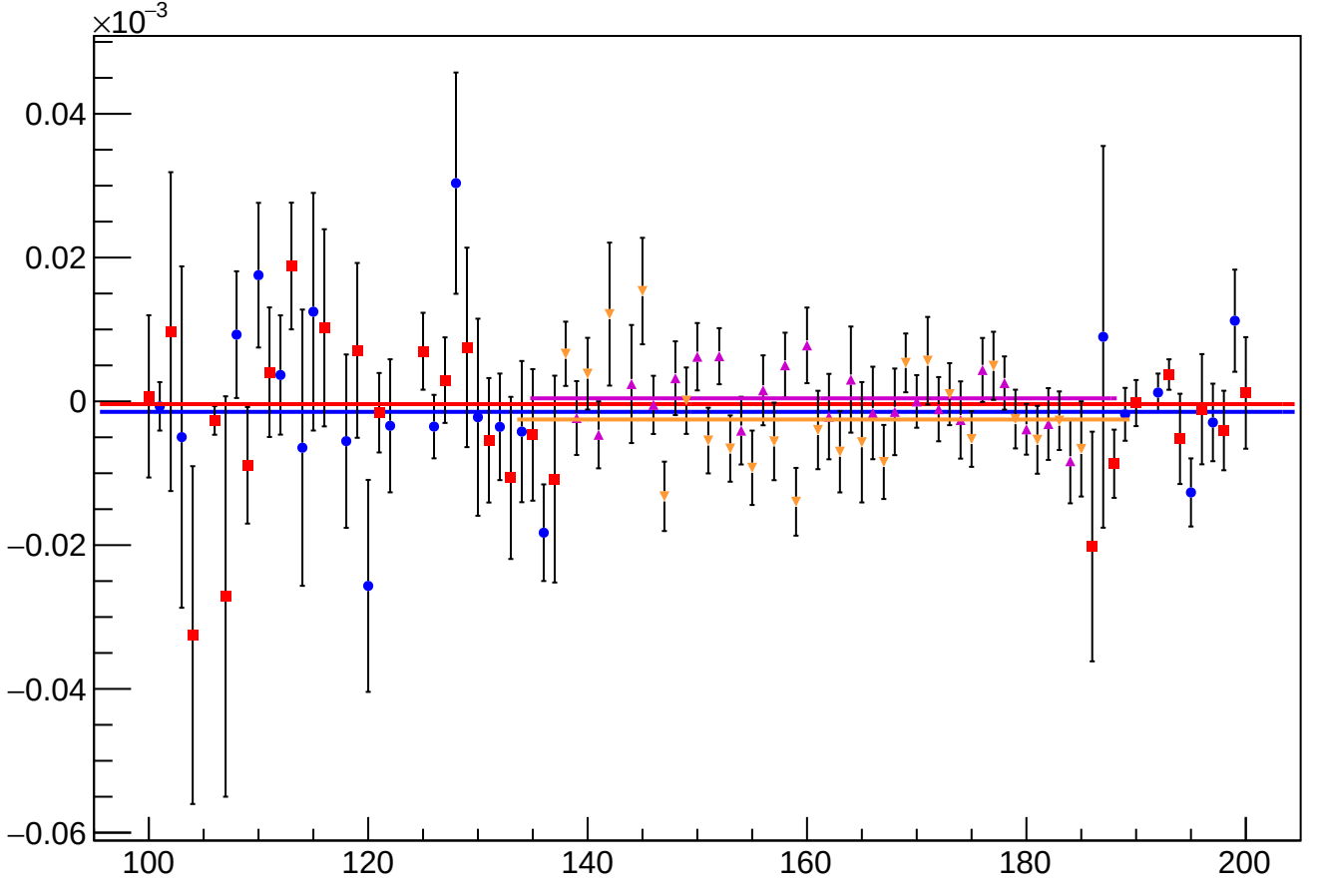
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 117.453+/-0.020 χ^2/NDF: 6702944.3/47

In: 104.397+/-0.015 χ^2/NDF:4784940.5/44

Out: 104.450+/-0.015 χ^2/NDF:6605943.9/49

All: 104.424+/-0.011 χ^2/NDF: 11390890.8/94



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

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

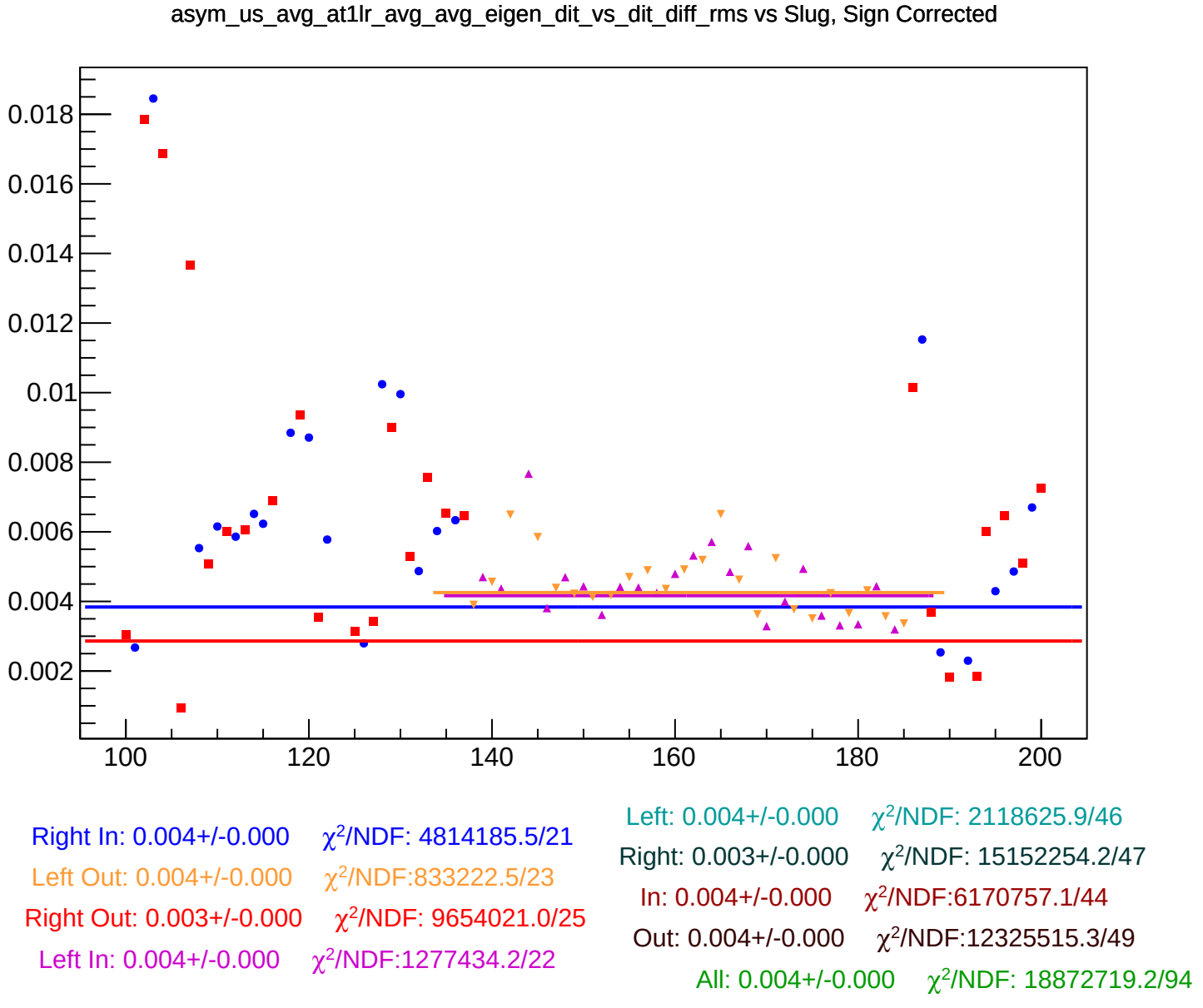
Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

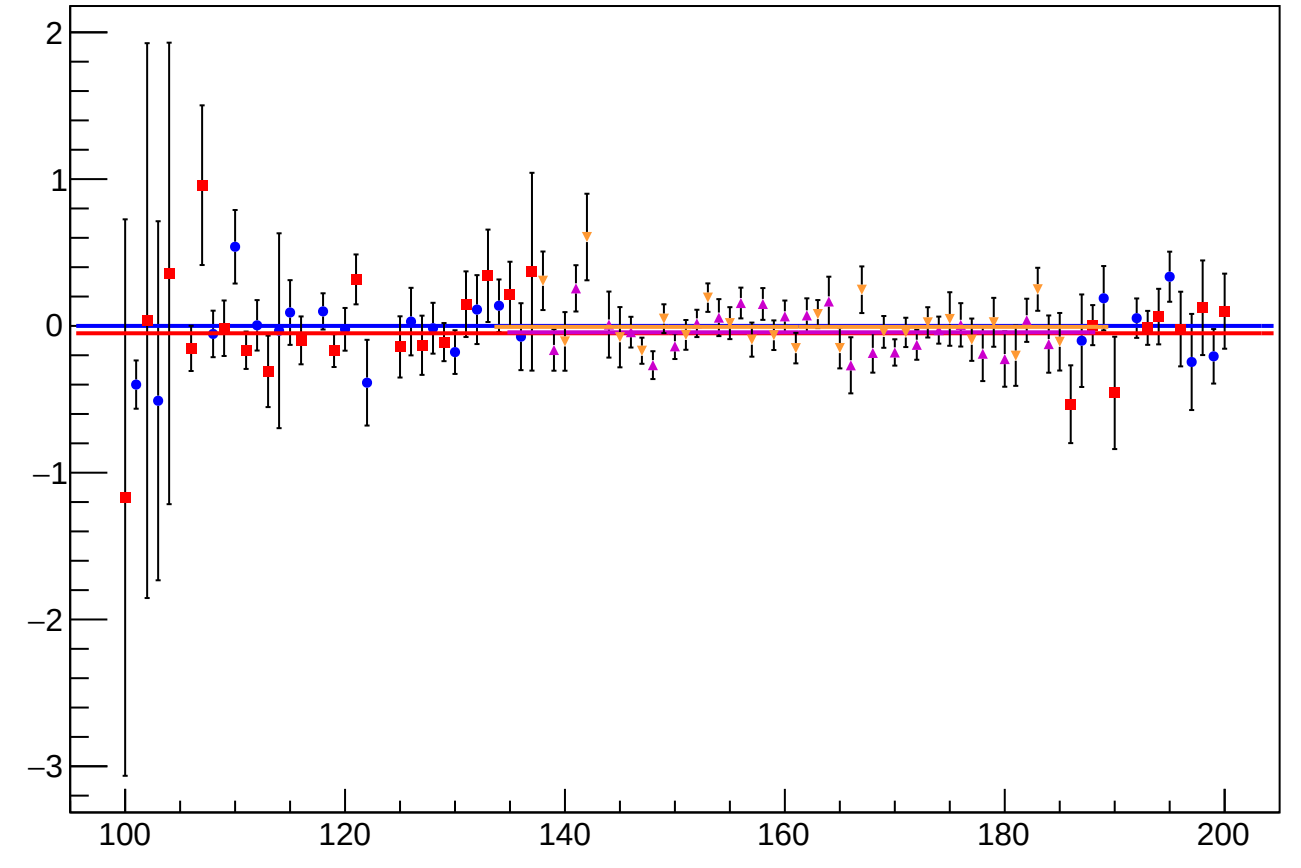
Right: -0.000+/-0.000 χ^2/NDF: 55.9/47

In: -0.000+/-0.000 χ^2/NDF:47.3/44

Out: -0.000+/-0.000 χ^2/NDF:67.7/49

All: -0.000+/-0.000 χ^2/NDF: 116.3/94


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ2/NDF: 4814185.5/21
Left Out: 0.004+/-0.000 χ2/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ2/NDF: 9654021.0/25
Left In: 0.004+/-0.000 χ2/NDF:1277434.2/22
Left: 0.004+/-0.000 χ2/NDF: 2118625.9/46
Right: 0.003+/-0.000 χ2/NDF: 15152254.2/47
In: 0.004+/-0.000 χ2/NDF:6170757.1/44
Out: 0.004+/-0.000 χ2/NDF:12325515.3/49
All: 0.004+/-0.000 χ2/NDF: 18872719.2/94



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

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

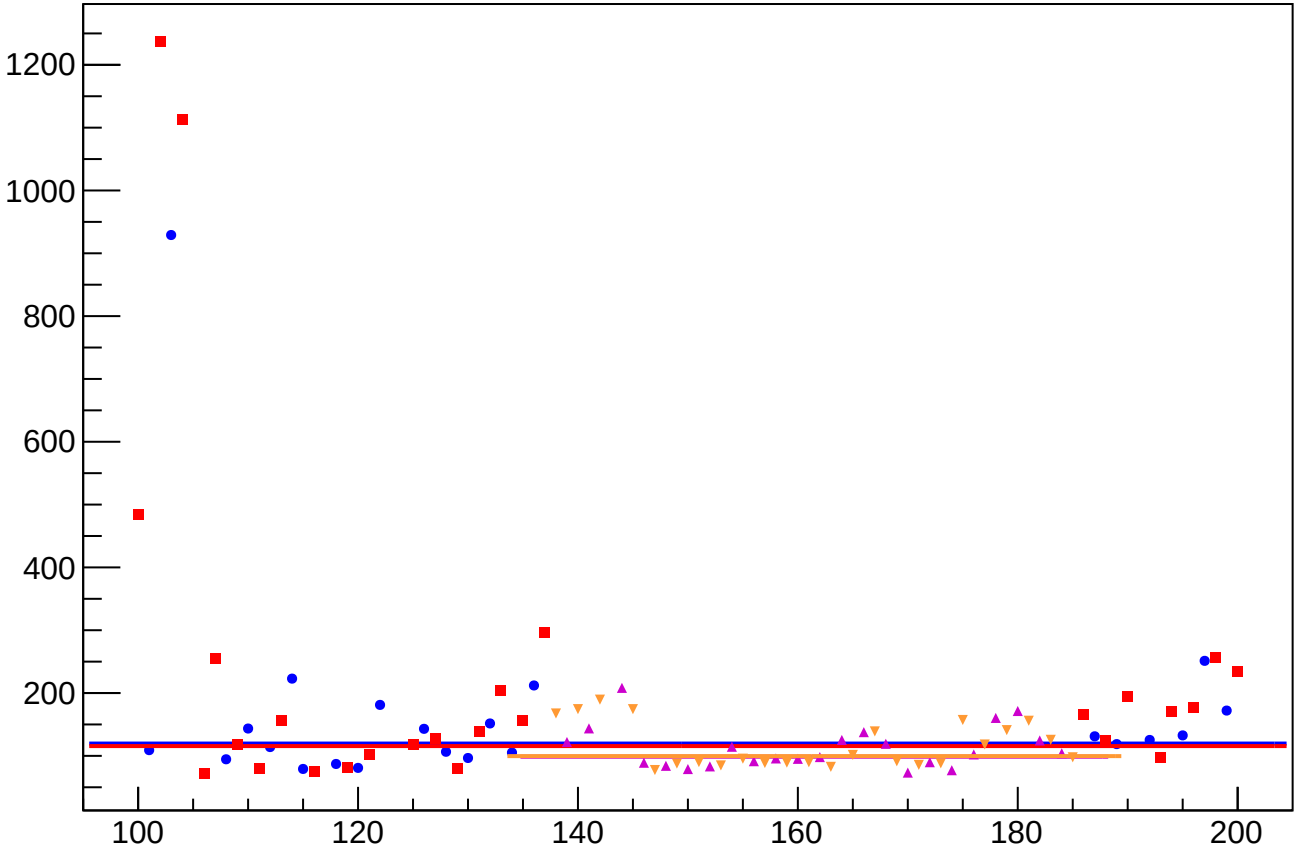
Right: -0.027+/-0.028 χ^2/NDF: 45.9/47

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.026+/-0.015 χ^2/NDF: 104.9/94

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

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

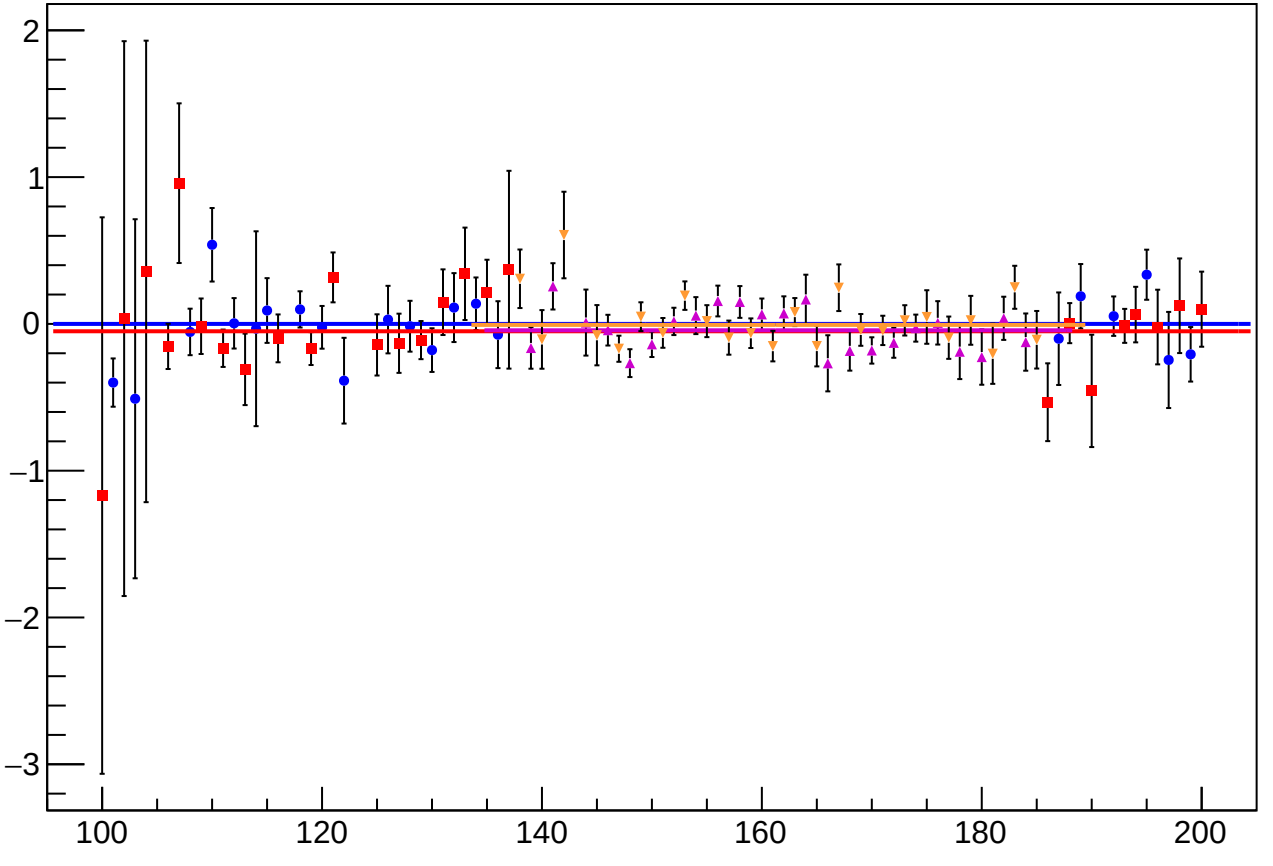
Right: 117.451+/-0.020 χ^2/NDF: 6703044.2/47

In: 104.396+/-0.015 χ^2/NDF:4784909.0/44

Out: 104.450+/-0.015 χ^2/NDF:6605870.8/49

All: 104.424+/-0.011 χ^2/NDF: 11390786.3/94

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

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

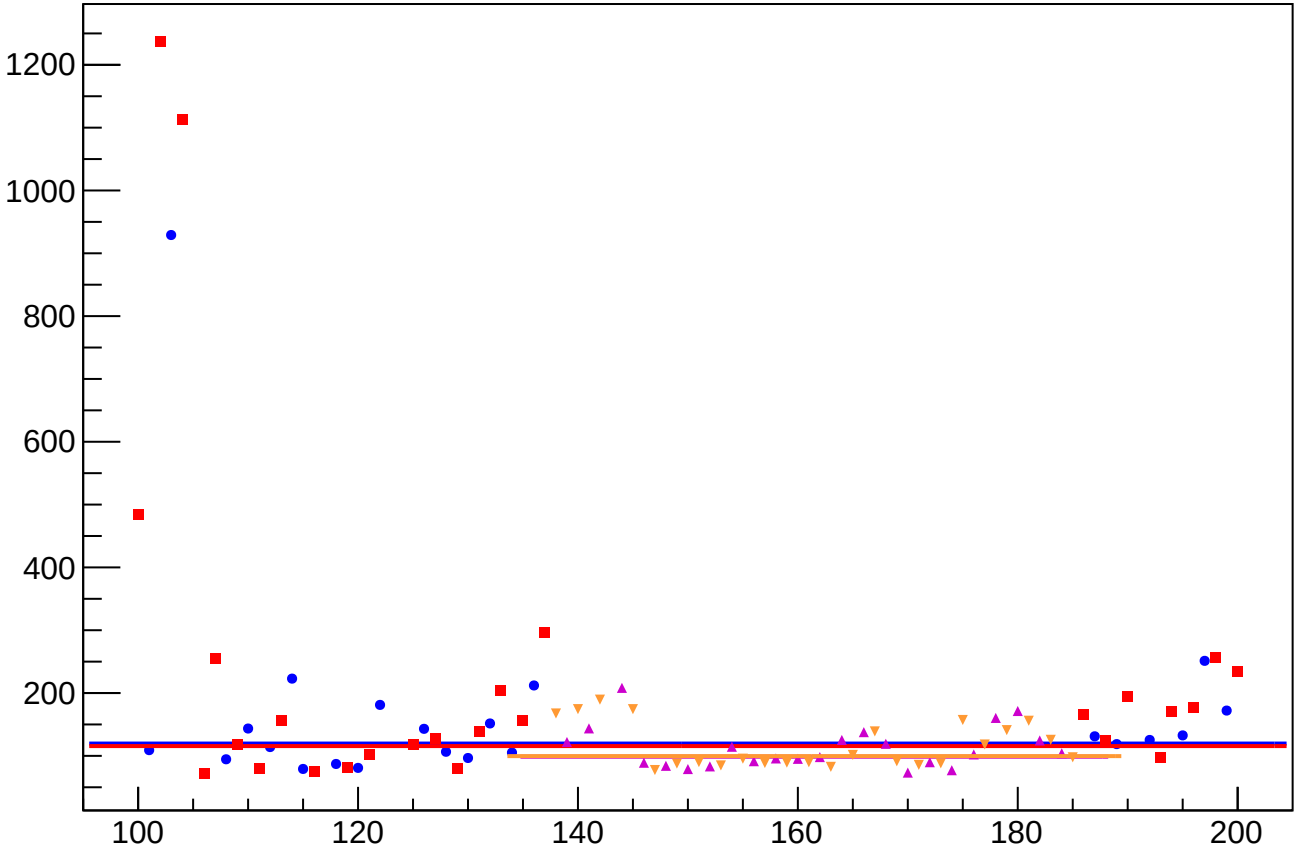
Right: -0.027+/-0.028 χ^2/NDF: 45.9/47

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.020+/-0.021 χ^2/NDF:51.2/49

All: -0.026+/-0.015 χ^2/NDF: 104.9/94

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

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

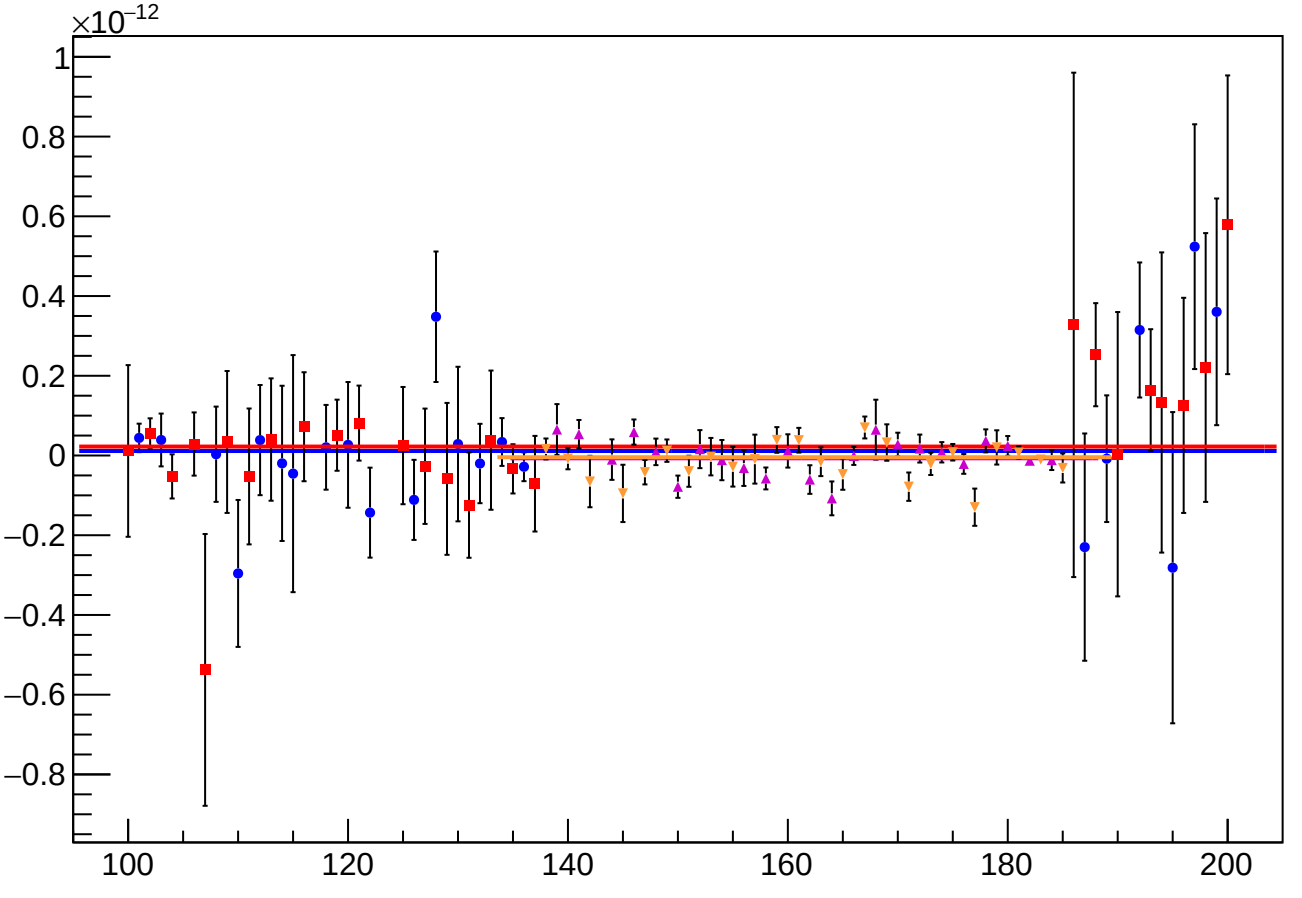
Right: 117.451+/-0.020 χ^2/NDF: 6703044.2/47

In: 104.396+/-0.015 χ^2/NDF:4784909.0/44

Out: 104.450+/-0.015 χ^2/NDF:6605870.8/49

All: 104.424+/-0.011 χ^2/NDF: 11390786.3/94

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/25

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

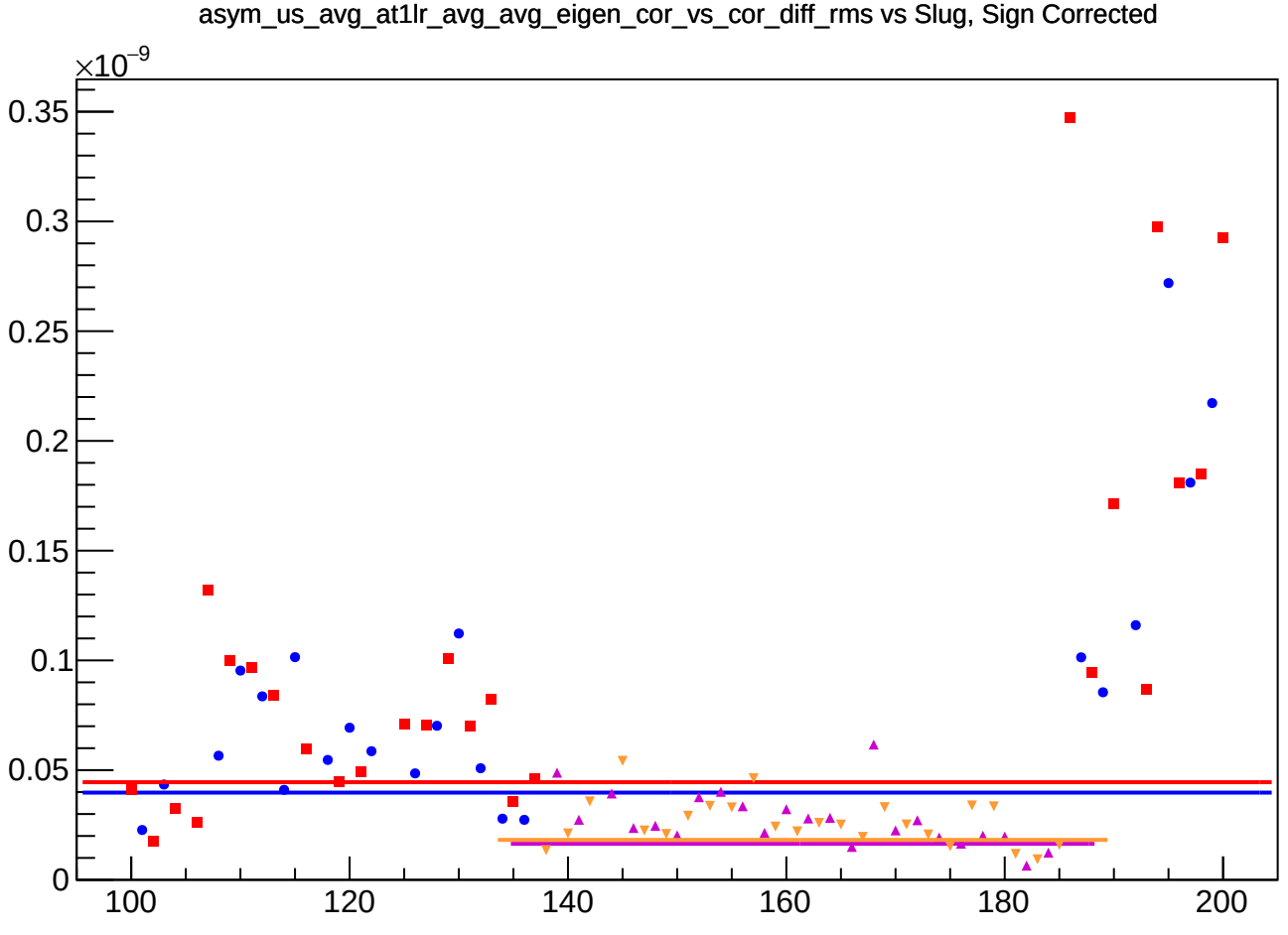
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

Right: 0.000+/-0.000 χ^2/NDF: 38.0/47

In: -0.000+/-0.000 χ^2/NDF:57.9/44

Out: -0.000+/-0.000 χ^2/NDF:50.6/49

All: -0.000+/-0.000 χ^2/NDF: 108.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 4414142.2/21

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

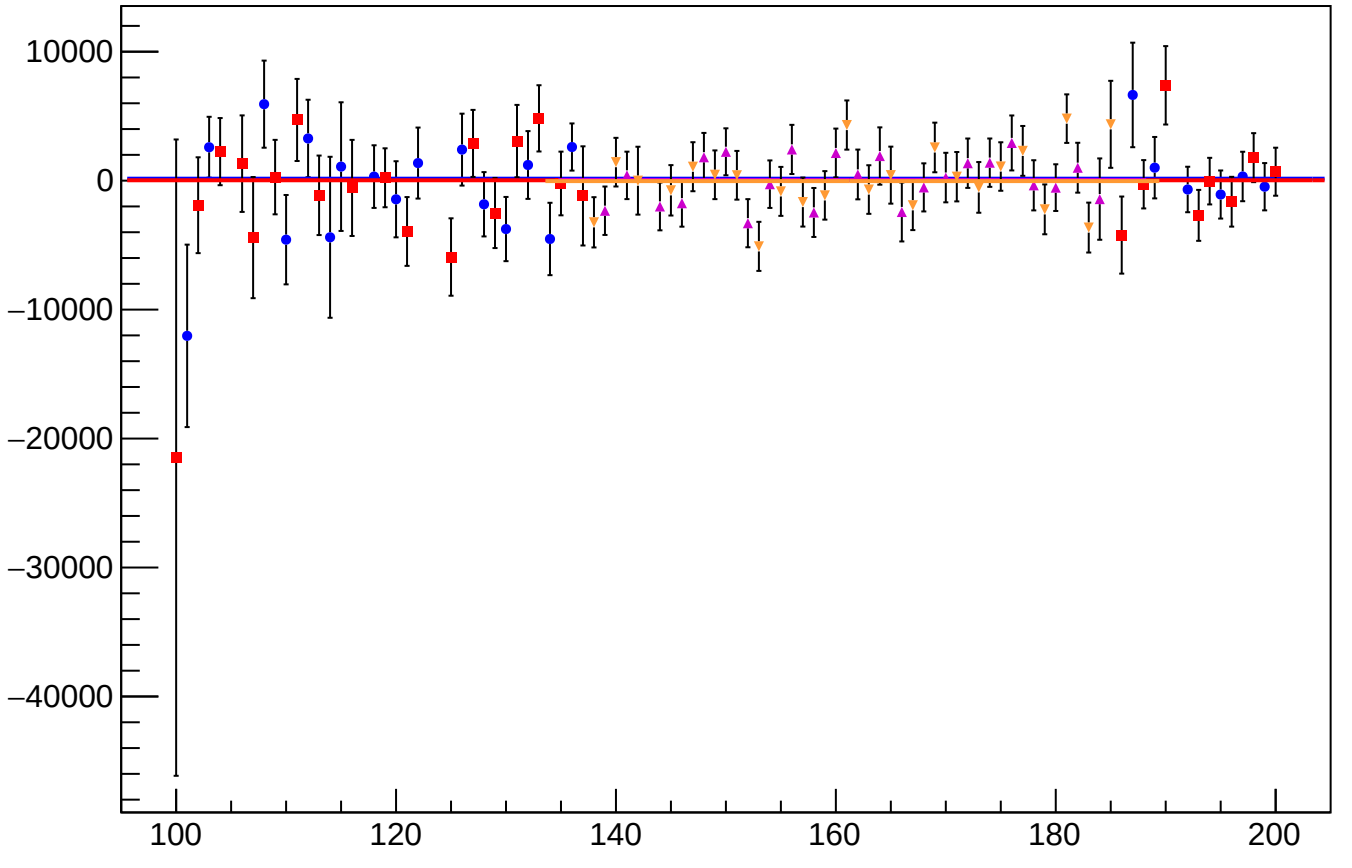
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 10632669.8/47

In: 0.000+/-0.000 χ^2/NDF:14269254.7/44

Out: 0.000+/-0.000 χ^2/NDF:13410070.5/49

All: 0.000+/-0.000 χ^2/NDF: 27798392.5/94



Right In: 151.402+/-542.247 χ^2/NDF: 22.9/21

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

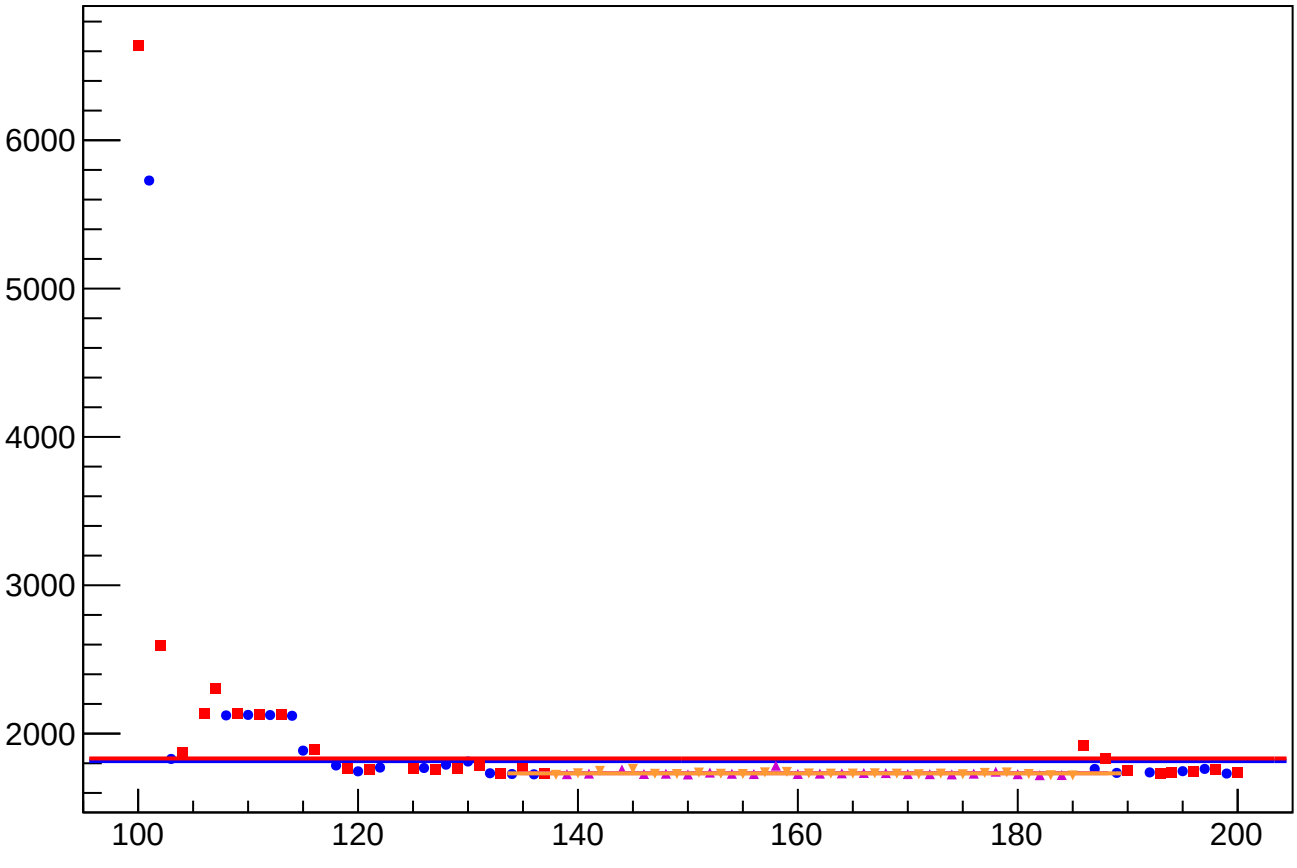
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 86.661+/-370.785 χ^2/NDF: 52.6/47

In: 88.072+/-324.331 χ^2/NDF:42.3/44

Out: -9.932+/-315.258 χ^2/NDF:65.0/49

All: 37.680+/-226.061 χ^2/NDF: 107.4/94



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.6/21

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

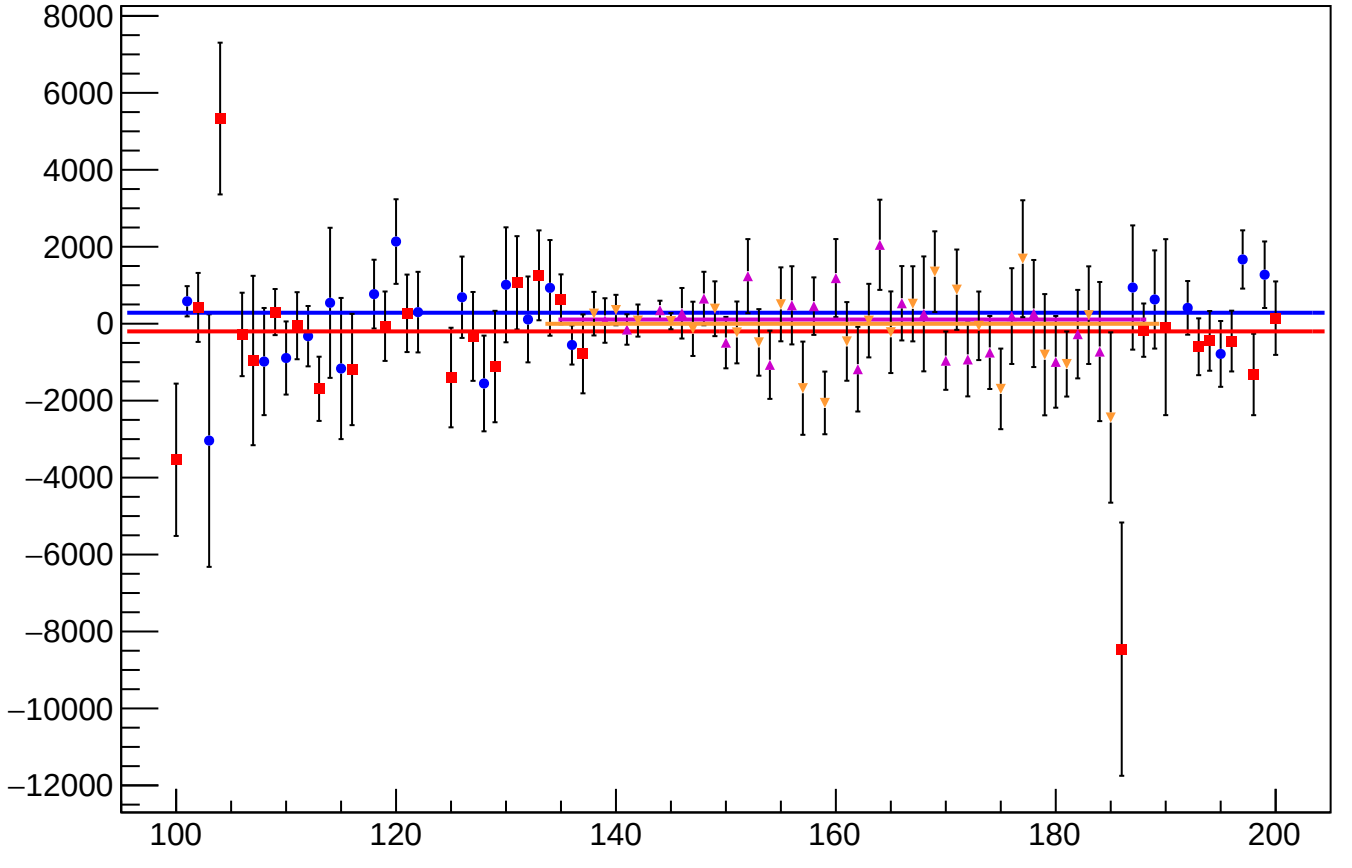
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1824.060+/-0.262 χ^2/NDF: 991278.5/47

In: 1762.378+/-0.229 χ^2/NDF:728600.2/44

Out: 1770.638+/-0.223 χ^2/NDF:341568.7/49

All: 1766.625+/-0.160 χ^2/NDF: 1070835.9/94



Right In: 284.943+/-188.501 χ^2/NDF: 20.4/21

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

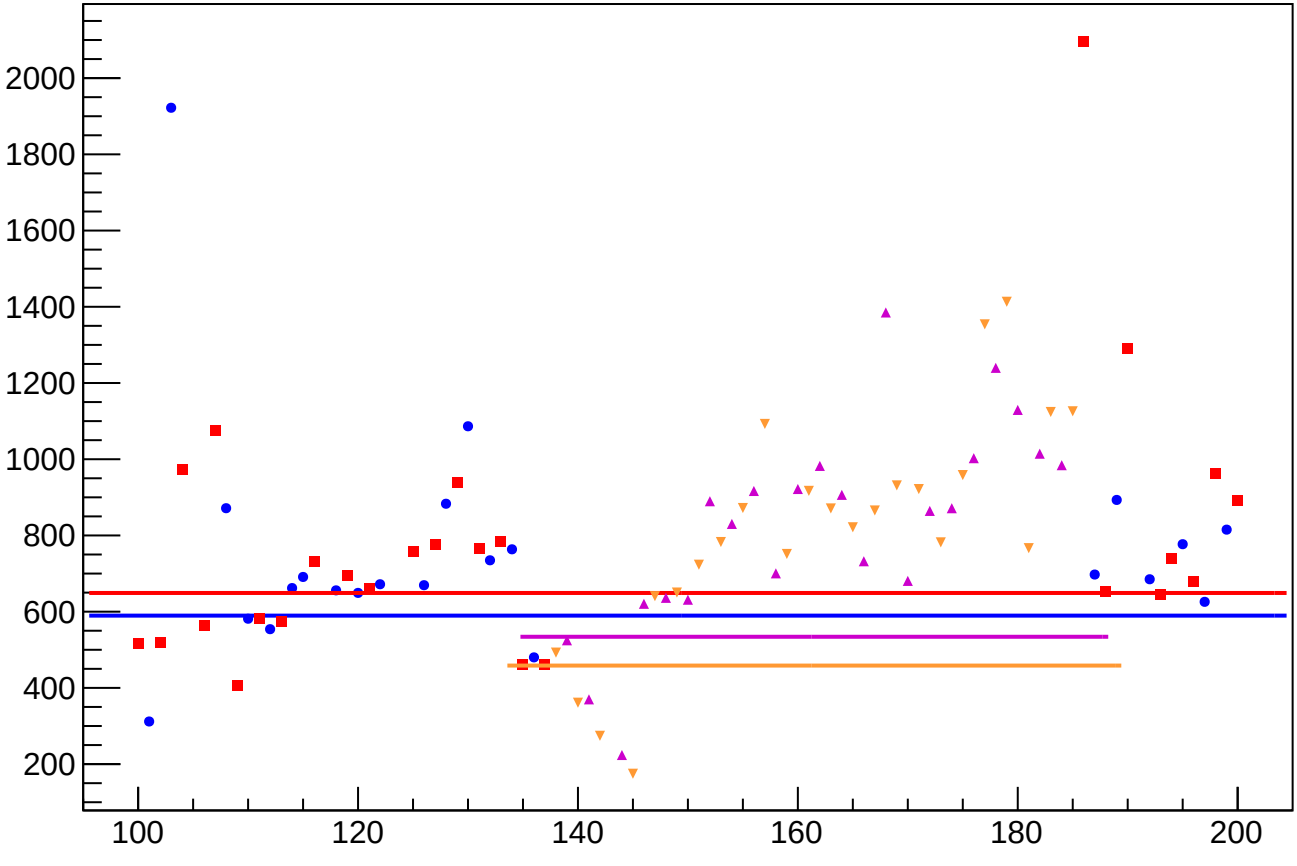
Right: 47.237+/-134.579 χ^2/NDF: 53.5/47

In: 173.059+/-114.086 χ^2/NDF:37.9/44

Out: -64.427+/-107.711 χ^2/NDF:50.9/49

All: 47.495+/-78.320 χ^2/NDF: 91.1/94

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 589.639+/-0.133 χ^2/NDF: 2356660.2/21

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

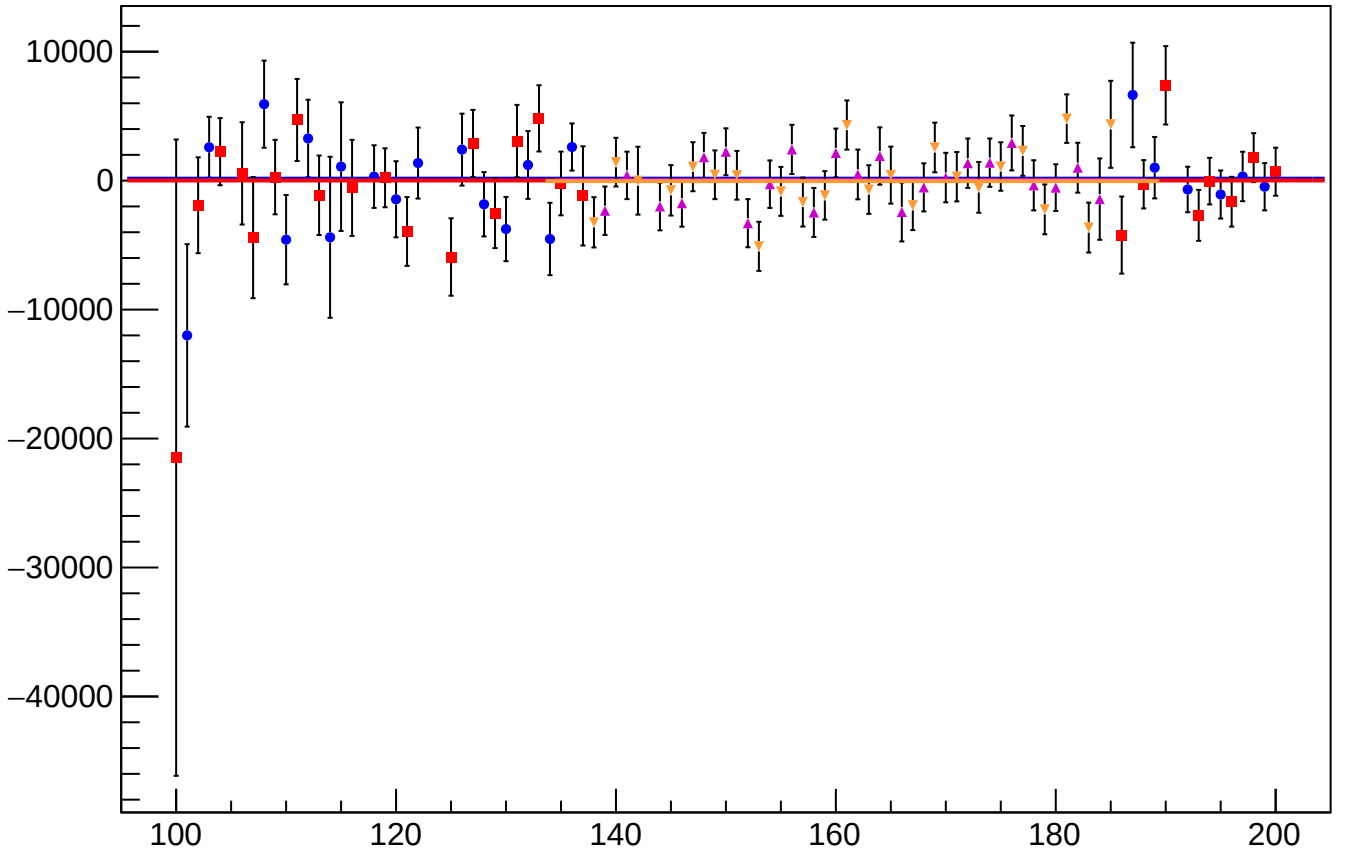
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 618.778+/-0.095 χ^2/NDF: 4290600.6/47

In: 554.482+/-0.081 χ^2/NDF:10909733.7/44

Out: 518.405+/-0.076 χ^2/NDF:14610828.0/49

All: 535.408+/-0.055 χ^2/NDF: 25626303.1/94



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

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

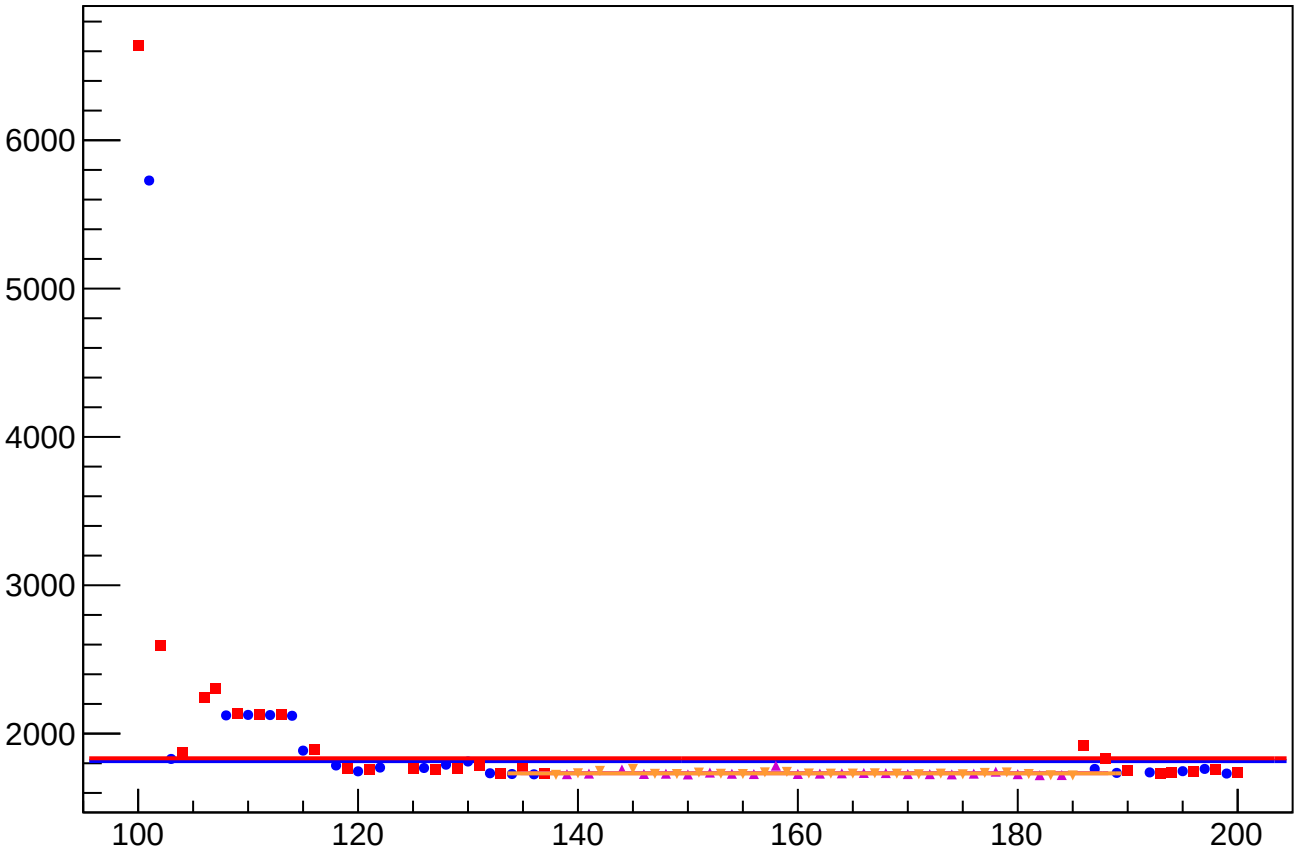
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 78.685+/-370.983 χ^2/NDF: 52.5/47

In: 88.030+/-324.331 χ^2/NDF:42.3/44

Out: -15.746+/-315.380 χ^2/NDF:64.9/49

All: 34.690+/-226.105 χ^2/NDF: 107.3/94



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

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

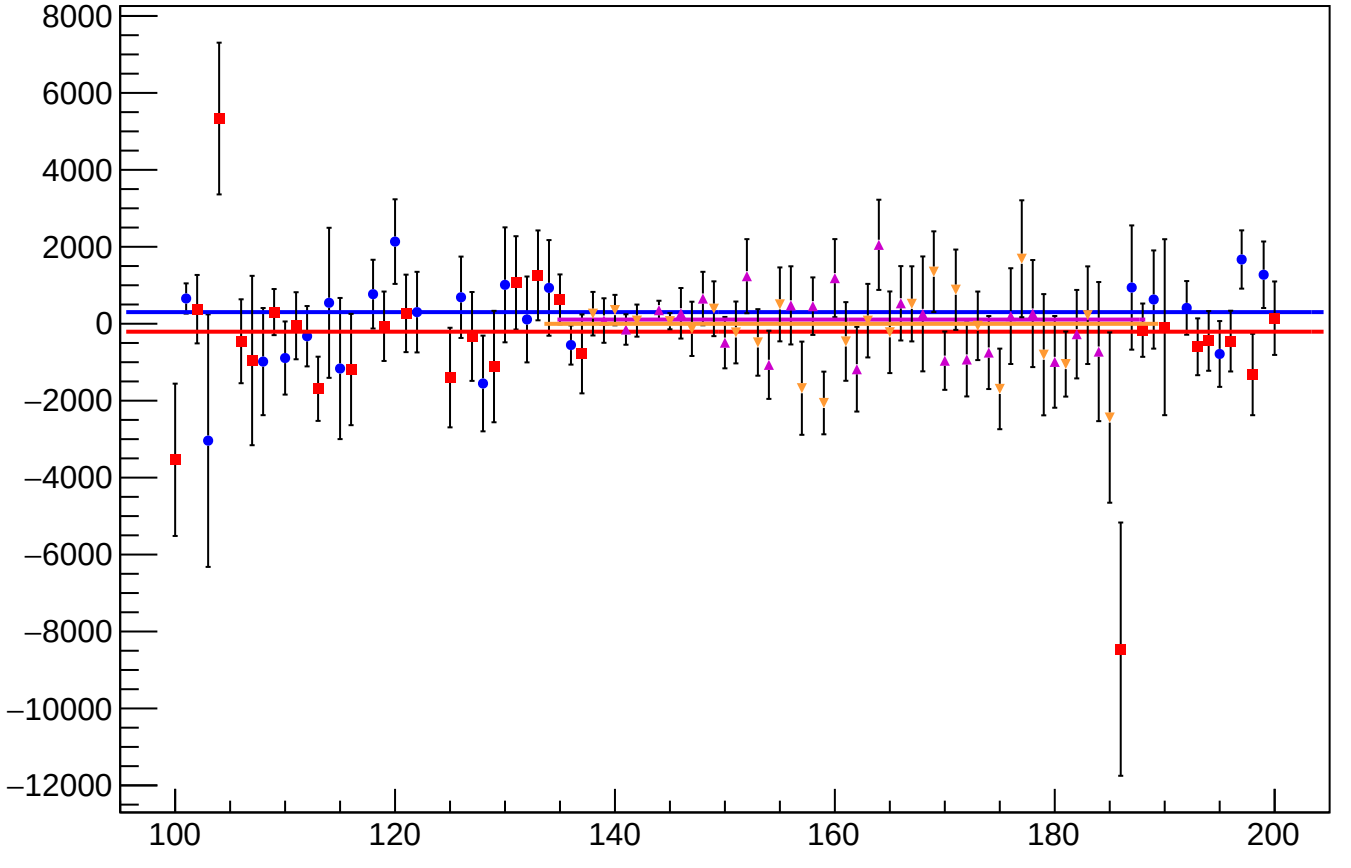
Right: 1824.646+/-0.262 χ^2/NDF: 999516.5/47

In: 1762.378+/-0.229 χ^2/NDF:728600.0/44

Out: 1771.020+/-0.223 χ^2/NDF:350674.1/49

All: 1766.820+/-0.160 χ^2/NDF: 1080004.0/94

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

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

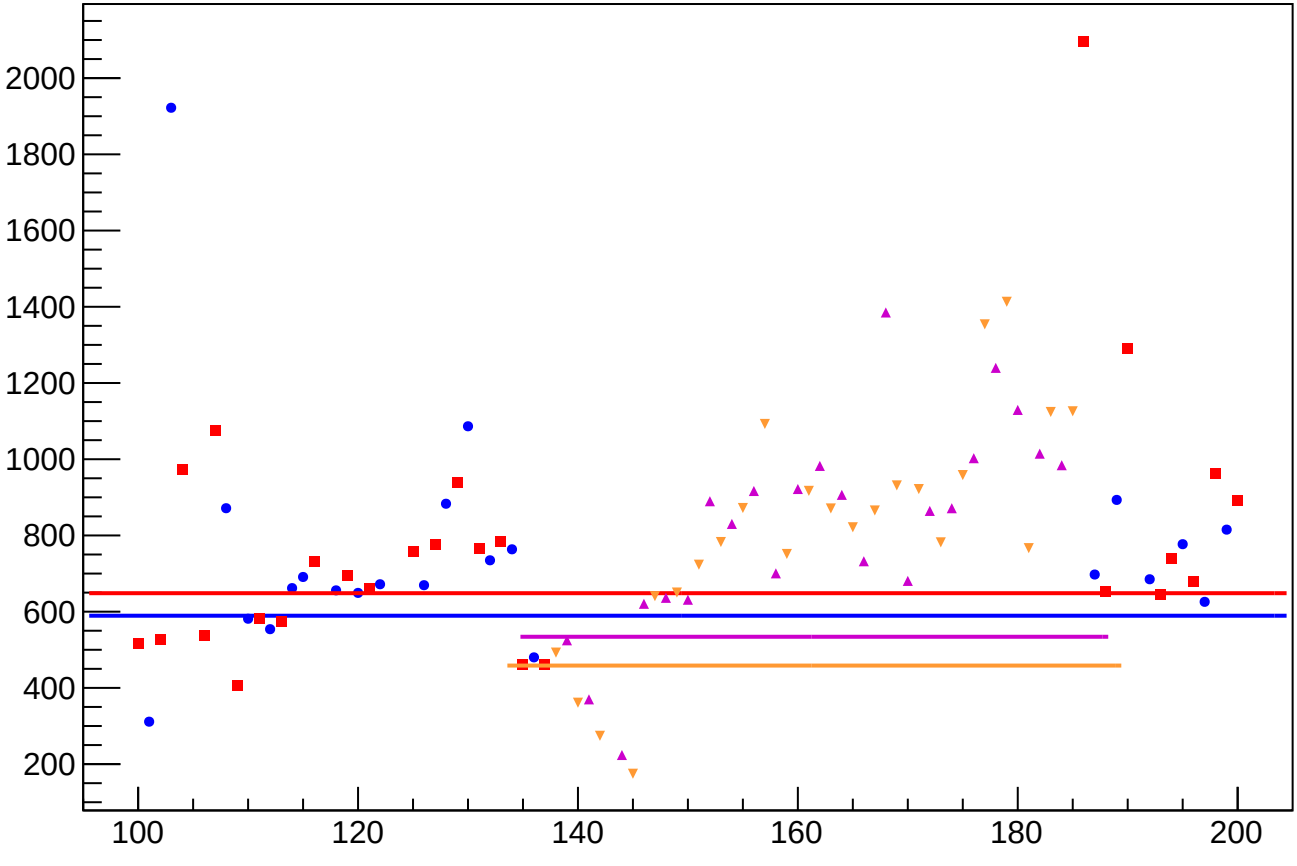
Right: 52.467+/-134.552 χ^2/NDF: 54.1/47

In: 179.302+/-114.076 χ^2/NDF:38.4/44

Out: -66.753+/-107.707 χ^2/NDF:50.9/49

All: 49.214+/-78.315 χ^2/NDF: 91.8/94

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

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

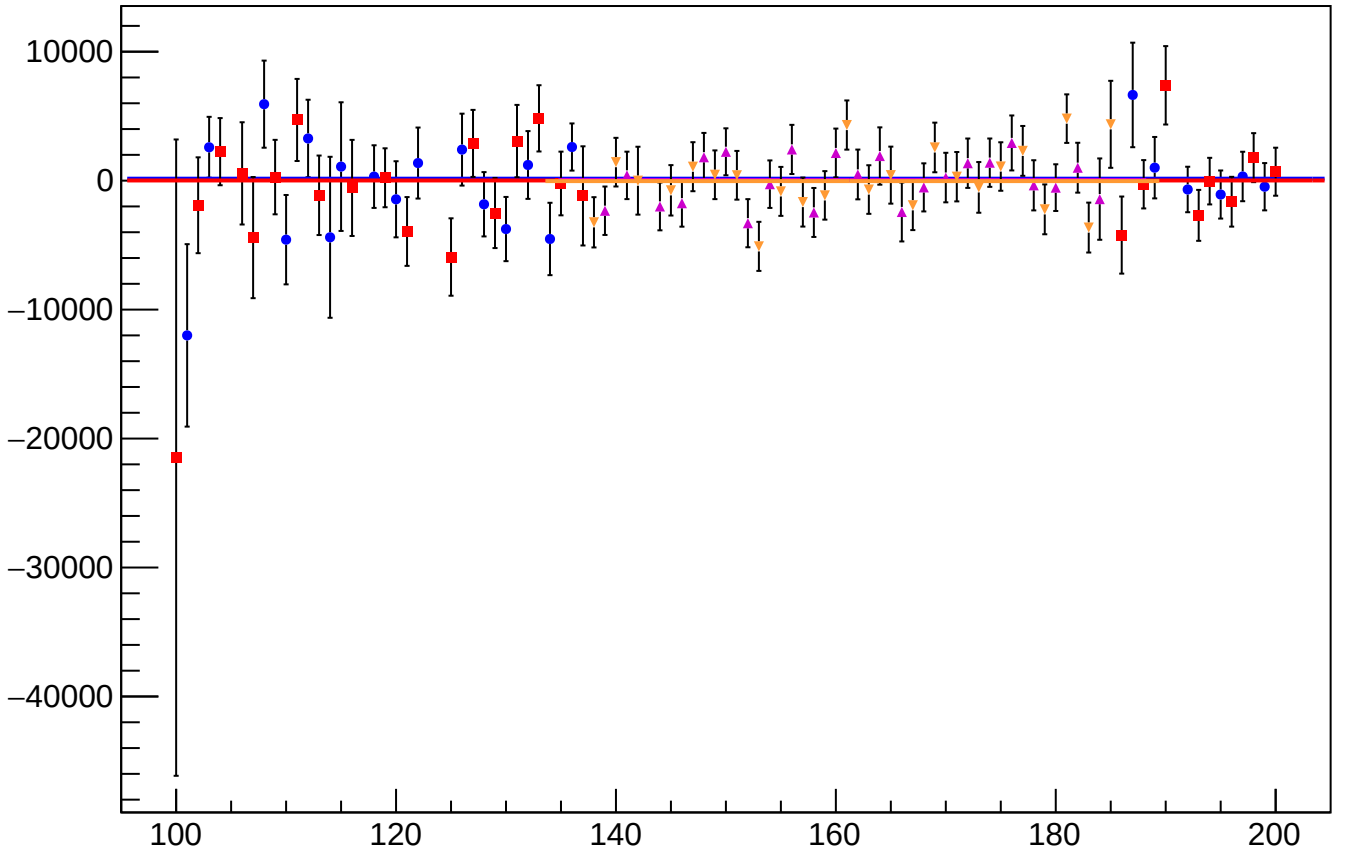
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 618.363+/-0.095 χ^2/NDF: 4300293.8/47

In: 554.401+/-0.081 χ^2/NDF:10914016.0/44

Out: 518.245+/-0.076 χ^2/NDF:14607336.5/49

All: 535.285+/-0.055 χ^2/NDF: 25627571.6/94



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

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

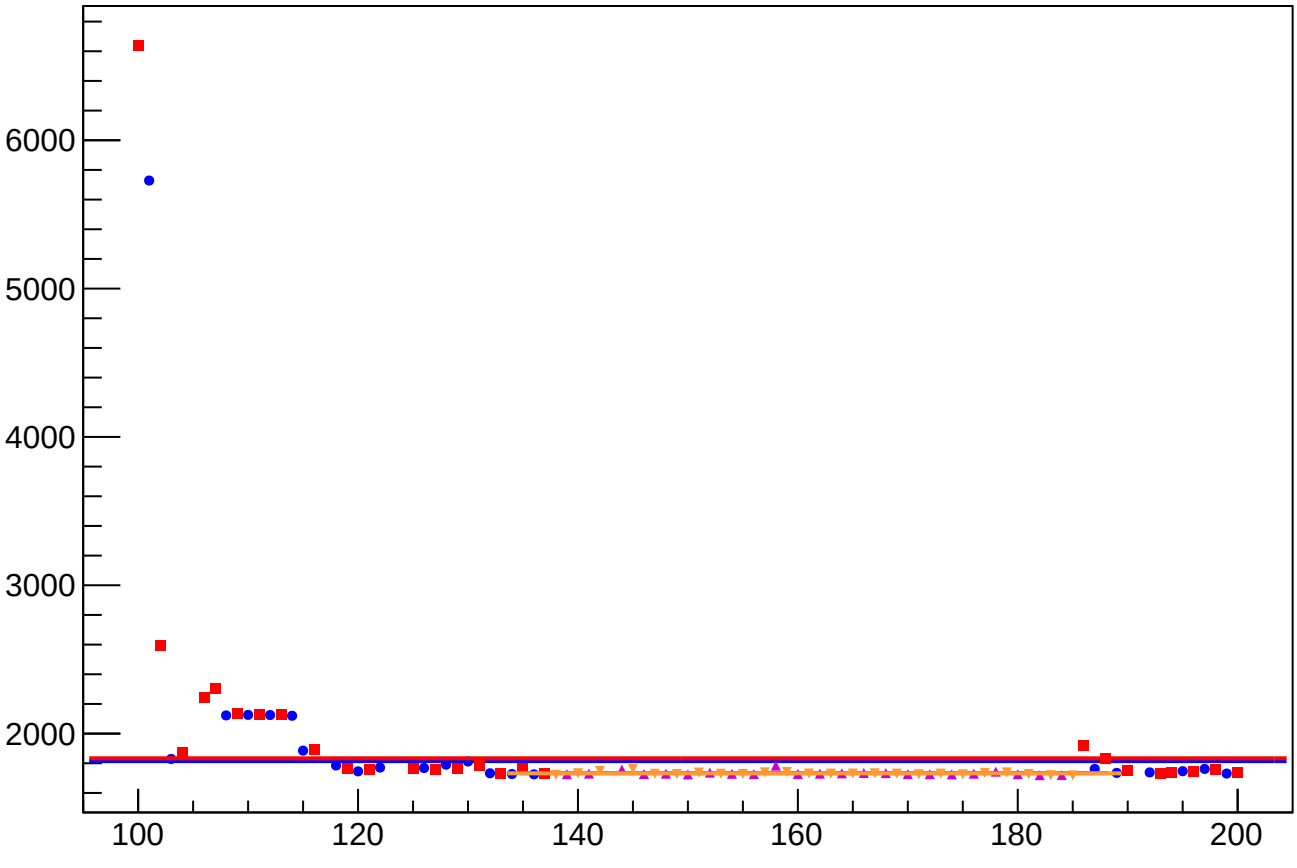
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 78.685+/-370.983 χ^2/NDF: 52.5/47

In: 88.030+/-324.331 χ^2/NDF:42.3/44

Out: -15.746+/-315.380 χ^2/NDF:64.9/49

All: 34.690+/-226.105 χ^2/NDF: 107.3/94



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

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

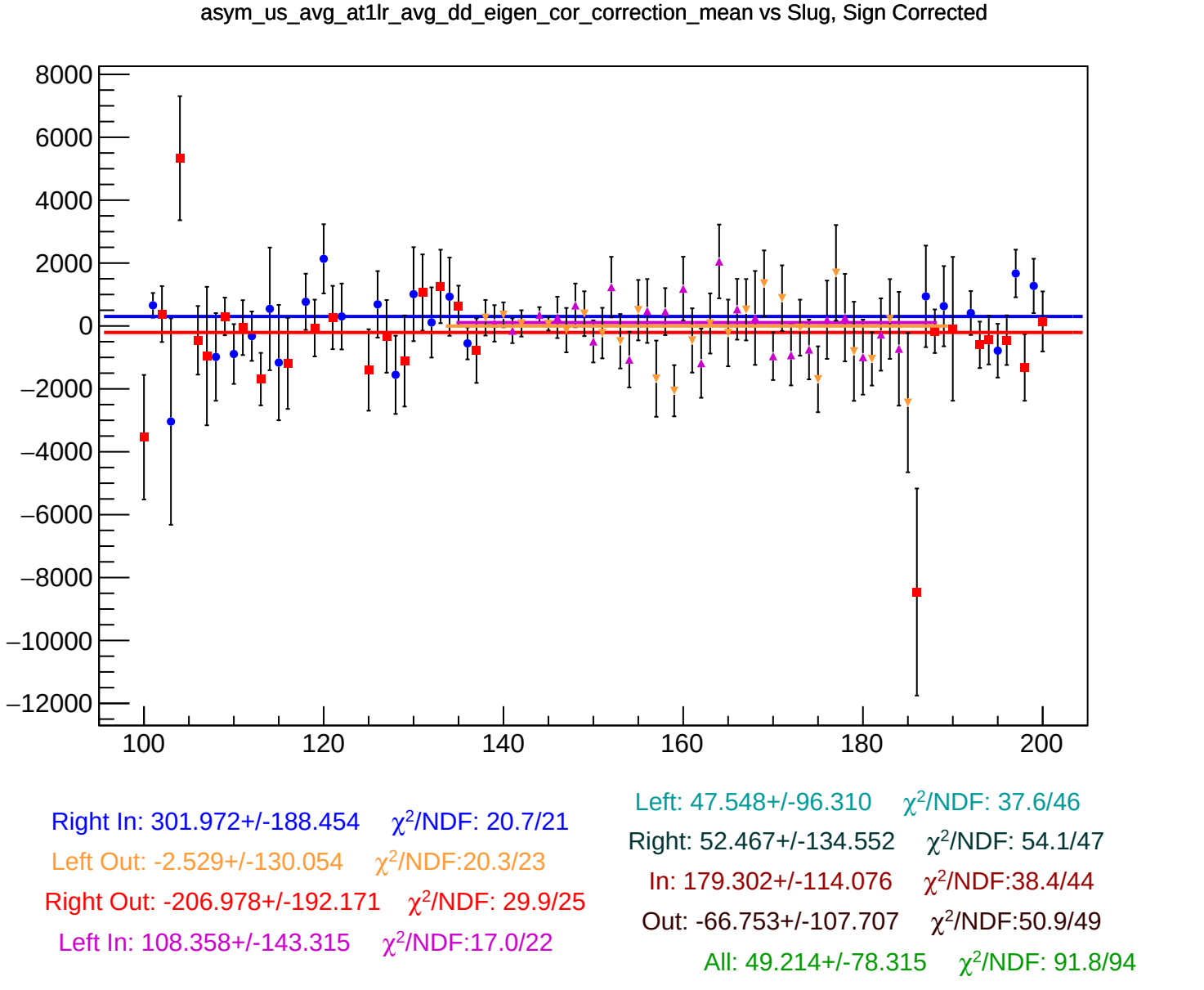
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1824.646+/-0.262 χ^2/NDF: 999516.5/47

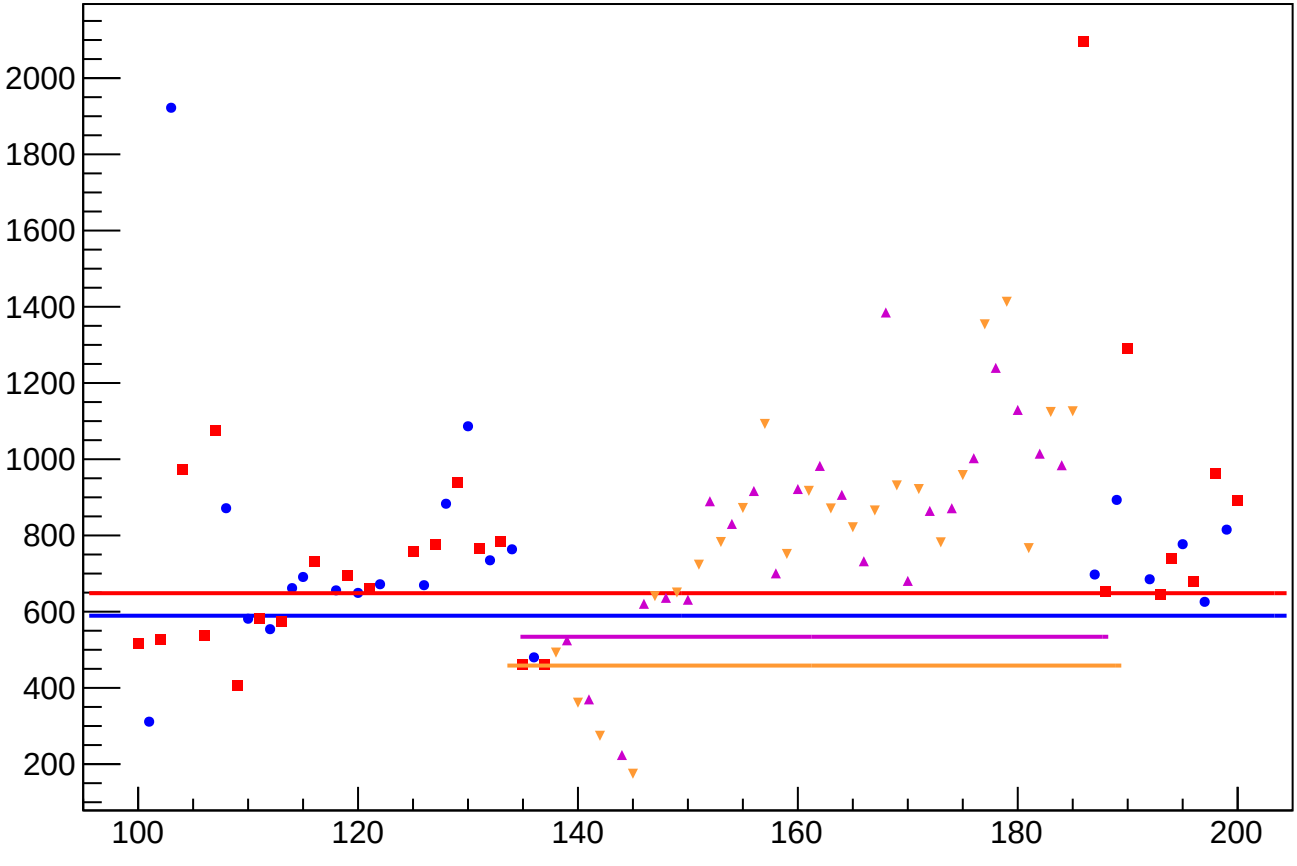
In: 1762.378+/-0.229 χ^2/NDF:728600.0/44

Out: 1771.020+/-0.223 χ^2/NDF:350674.1/49

All: 1766.820+/-0.160 χ^2/NDF: 1080004.0/94


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 301.972+/-188.454 χ²/NDF: 20.7/21
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: 52.467+/-134.552 χ²/NDF: 54.1/47
In: 179.302+/-114.076 χ²/NDF:38.4/44
Out: -66.753+/-107.707 χ²/NDF:50.9/49
All: 49.214+/-78.315 χ²/NDF: 91.8/94

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

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

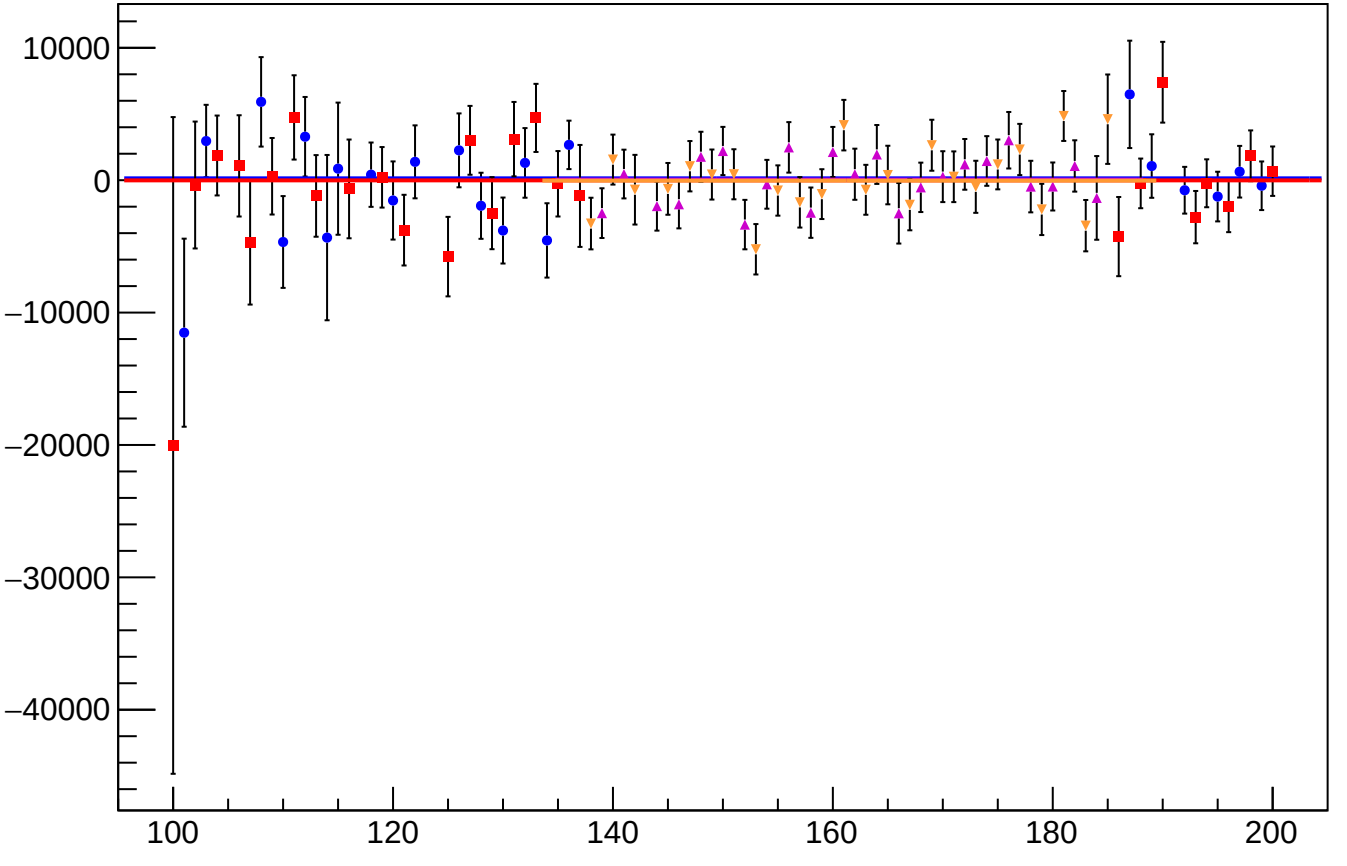
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 618.363+/-0.095 χ^2/NDF: 4300293.8/47

In: 554.401+/-0.081 χ^2/NDF:10914016.0/44

Out: 518.245+/-0.076 χ^2/NDF:14607336.5/49

All: 535.285+/-0.055 χ^2/NDF: 25627571.6/94



Right In: 140.096+/-547.518 χ^2/NDF: 23.0/21

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

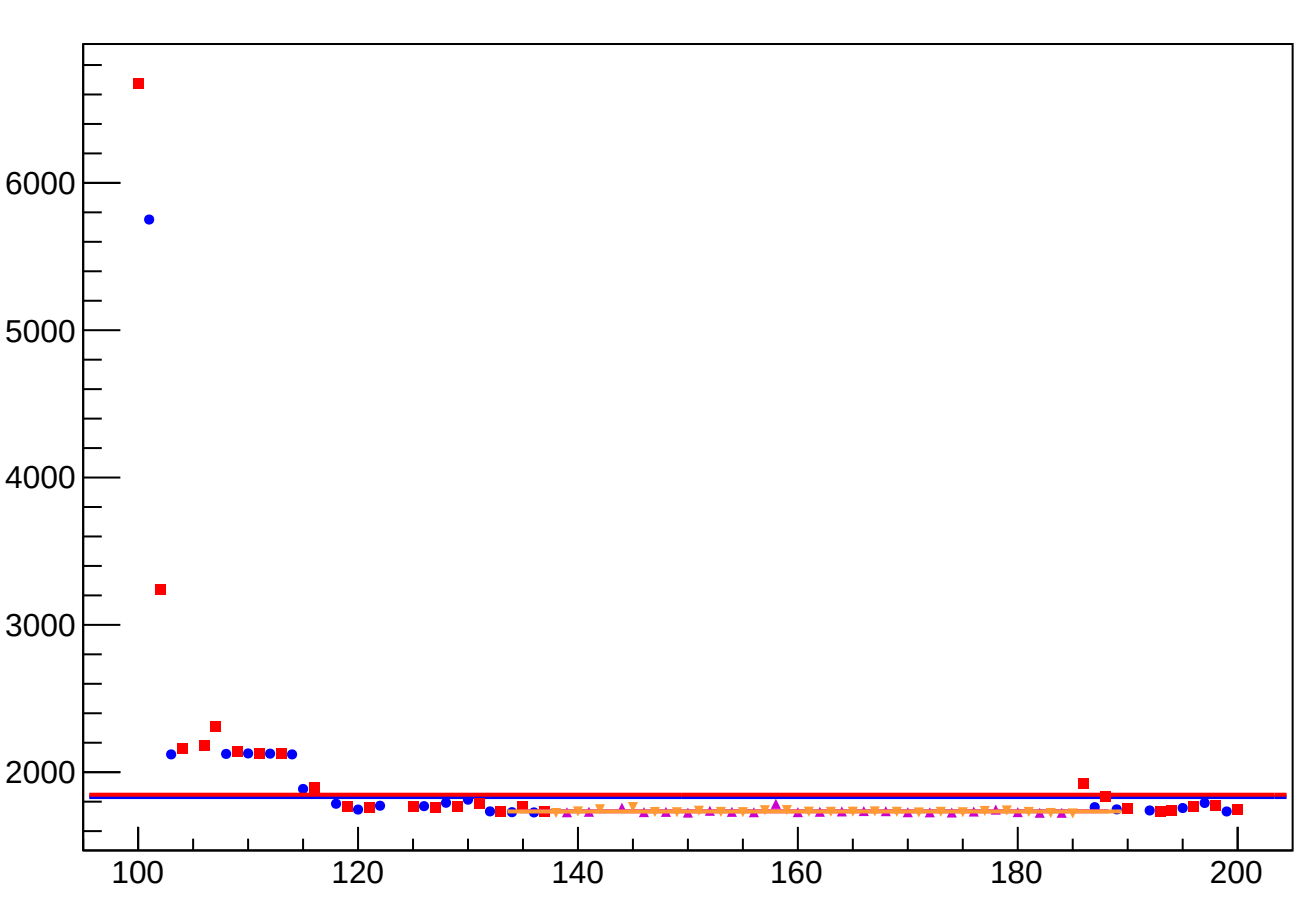
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 59.474+/-374.772 χ^2/NDF: 52.1/47

In: 76.998+/-325.629 χ^2/NDF:42.9/44

Out: -22.631+/-316.828 χ^2/NDF:64.5/49

All: 25.819+/-227.079 χ^2/NDF: 107.4/94



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.9/21

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

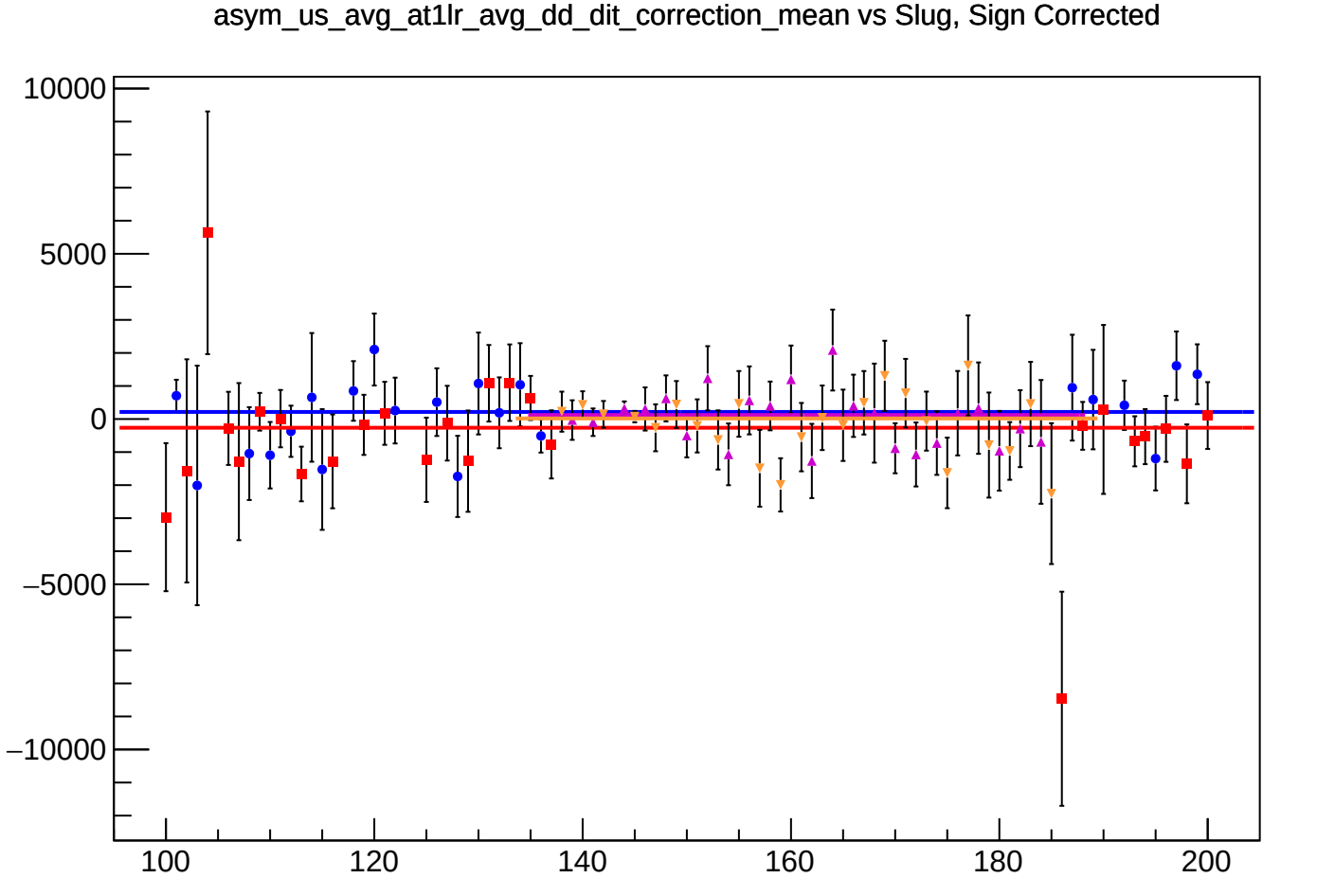
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

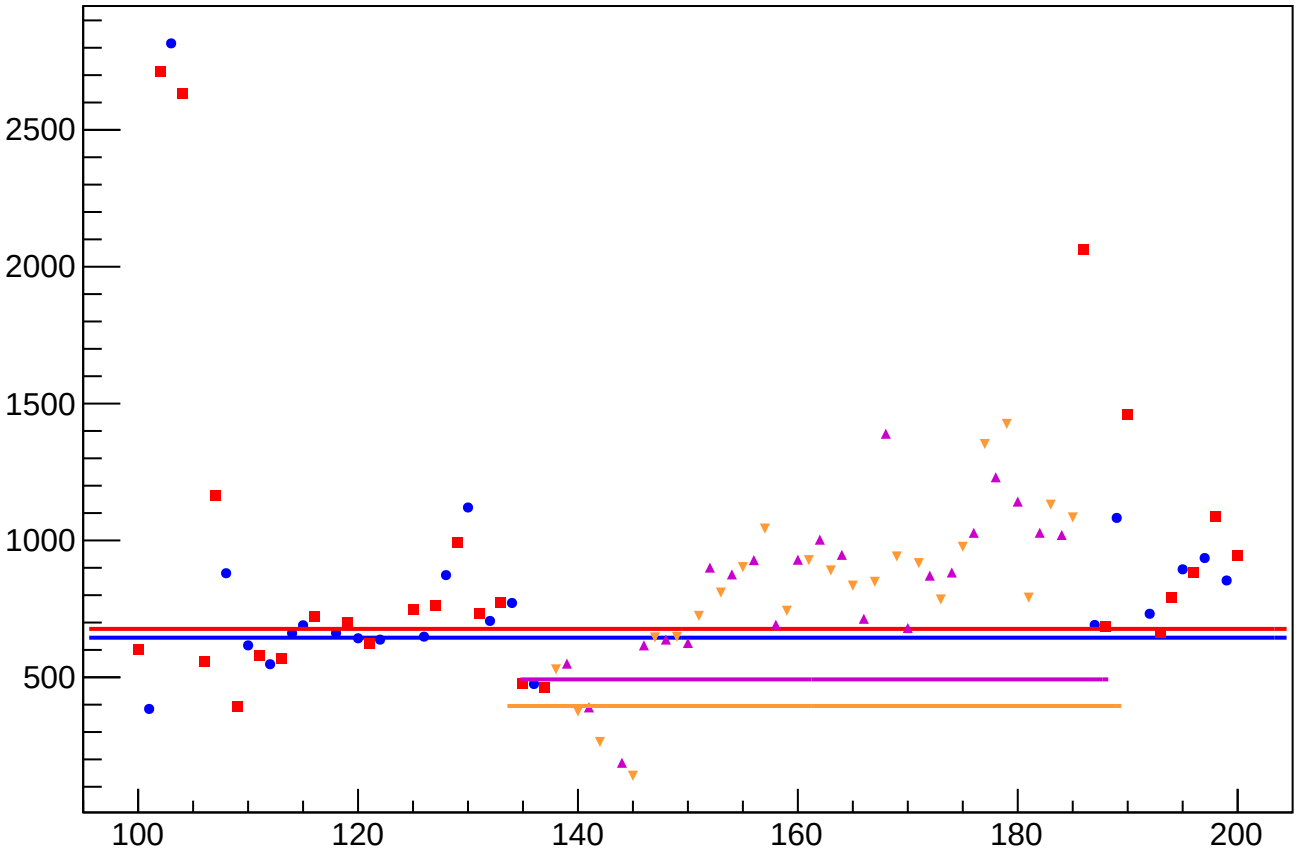
Right: 1839.740+/-0.265 χ^2/NDF: 1122011.3/47

In: 1768.915+/-0.230 χ^2/NDF:761874.5/44

Out: 1776.689+/-0.224 χ^2/NDF:463133.6/49

All: 1772.909+/-0.161 χ^2/NDF: 1225593.8/94


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 214.629+/-202.115 χ²/NDF: 20.3/21
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -263.914+/-201.782 χ²/NDF: 22.5/25
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: -25.038+/-142.799 χ²/NDF: 45.5/47
In: 151.003+/-113.488 χ²/NDF:36.9/44
Out: -55.030+/-102.715 χ²/NDF:43.3/49
All: 37.746+/-76.155 χ²/NDF: 82.0/94



Right In: 644.684+/-0.143 χ^2/NDF: 2495912.7/21

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

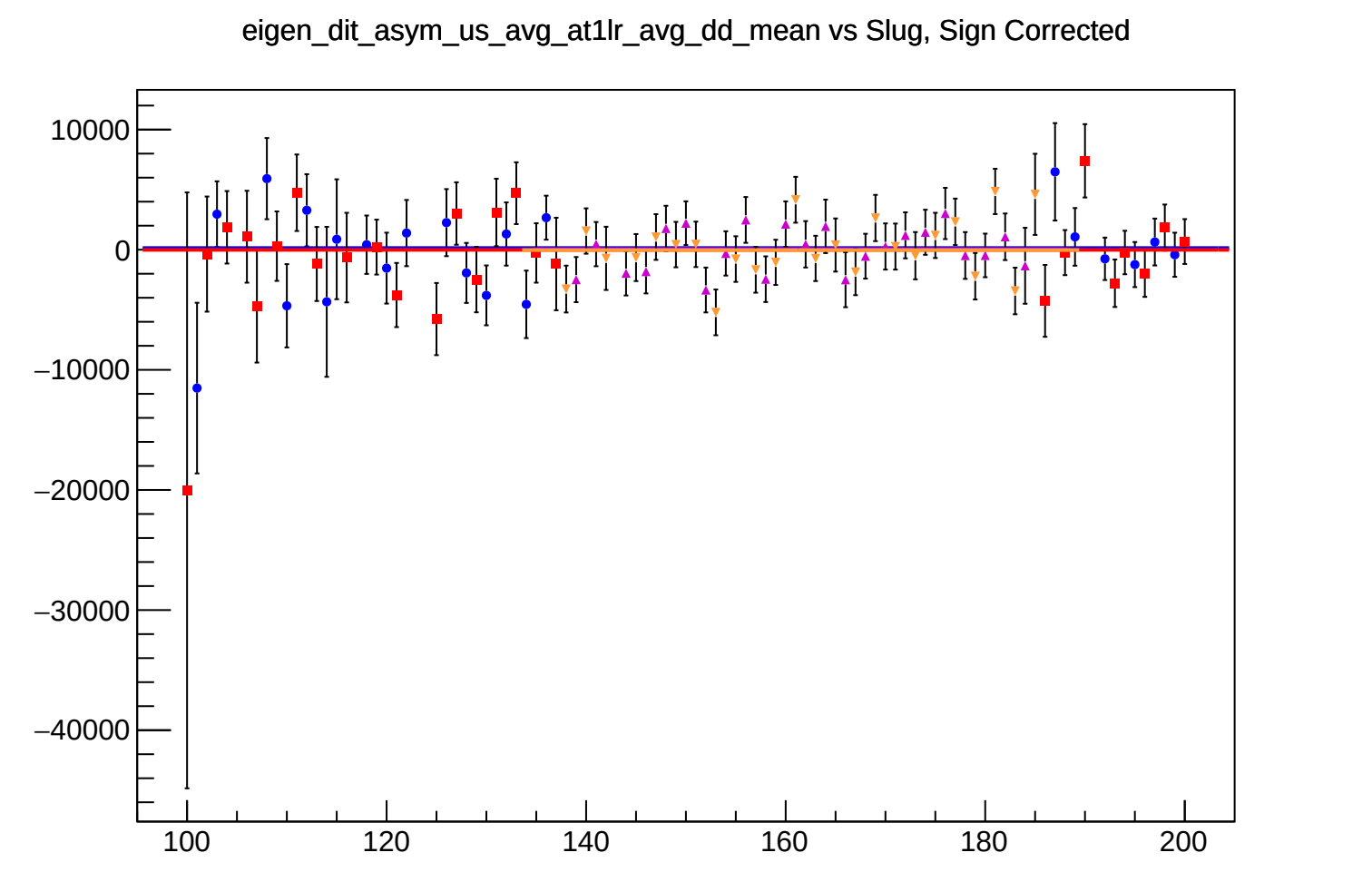
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 660.782+/-0.101 χ^2/NDF: 5937669.5/47

In: 540.340+/-0.080 χ^2/NDF:13693901.5/44

Out: 468.167+/-0.073 χ^2/NDF:20637500.8/49

All: 500.666+/-0.054 χ^2/NDF: 34776049.6/94



Right In: 140.095+/-547.518 χ^2/NDF: 23.0/21

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

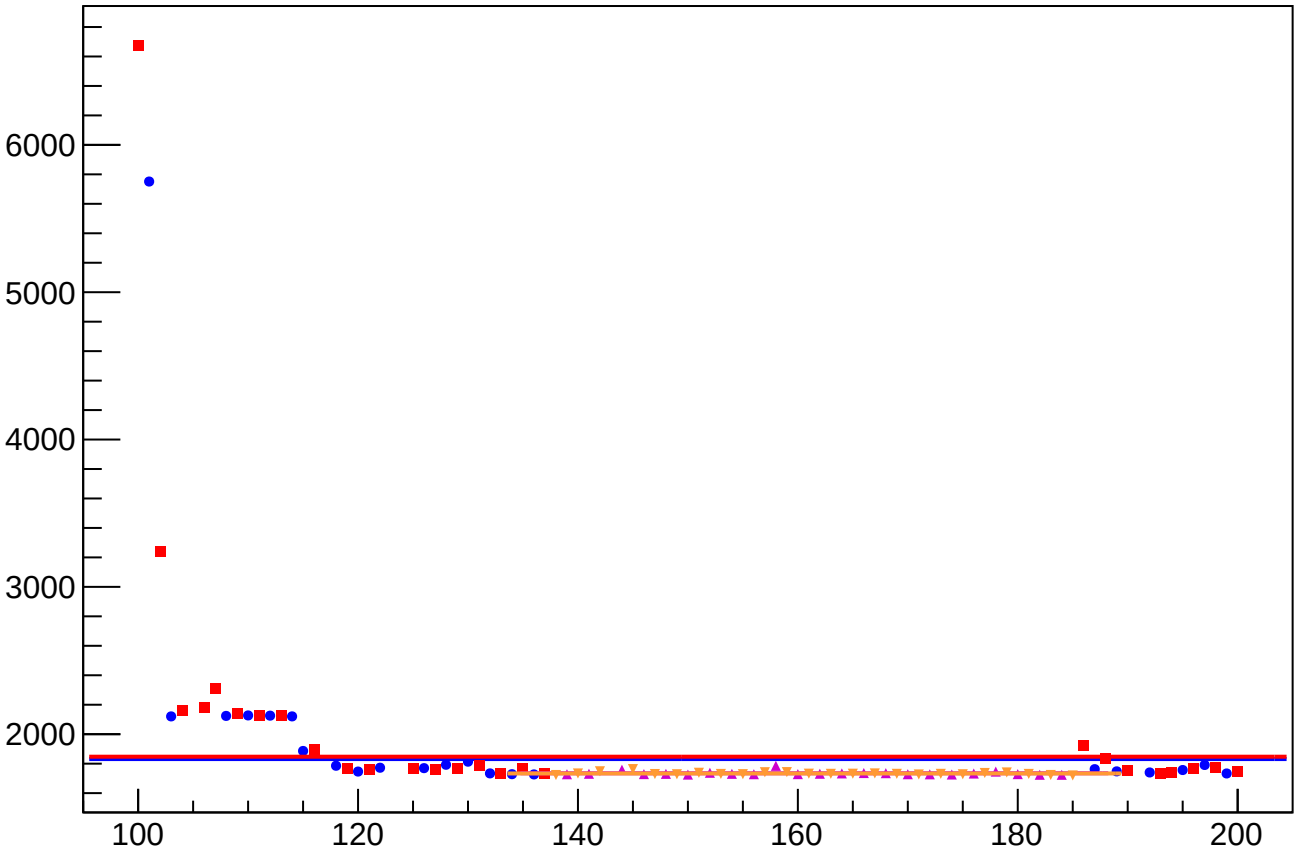
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 59.474+/-374.772 χ^2/NDF: 52.1/47

In: 76.998+/-325.629 χ^2/NDF:42.9/44

Out: -22.633+/-316.828 χ^2/NDF:64.5/49

All: 25.818+/-227.079 χ^2/NDF: 107.4/94



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.5/21

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

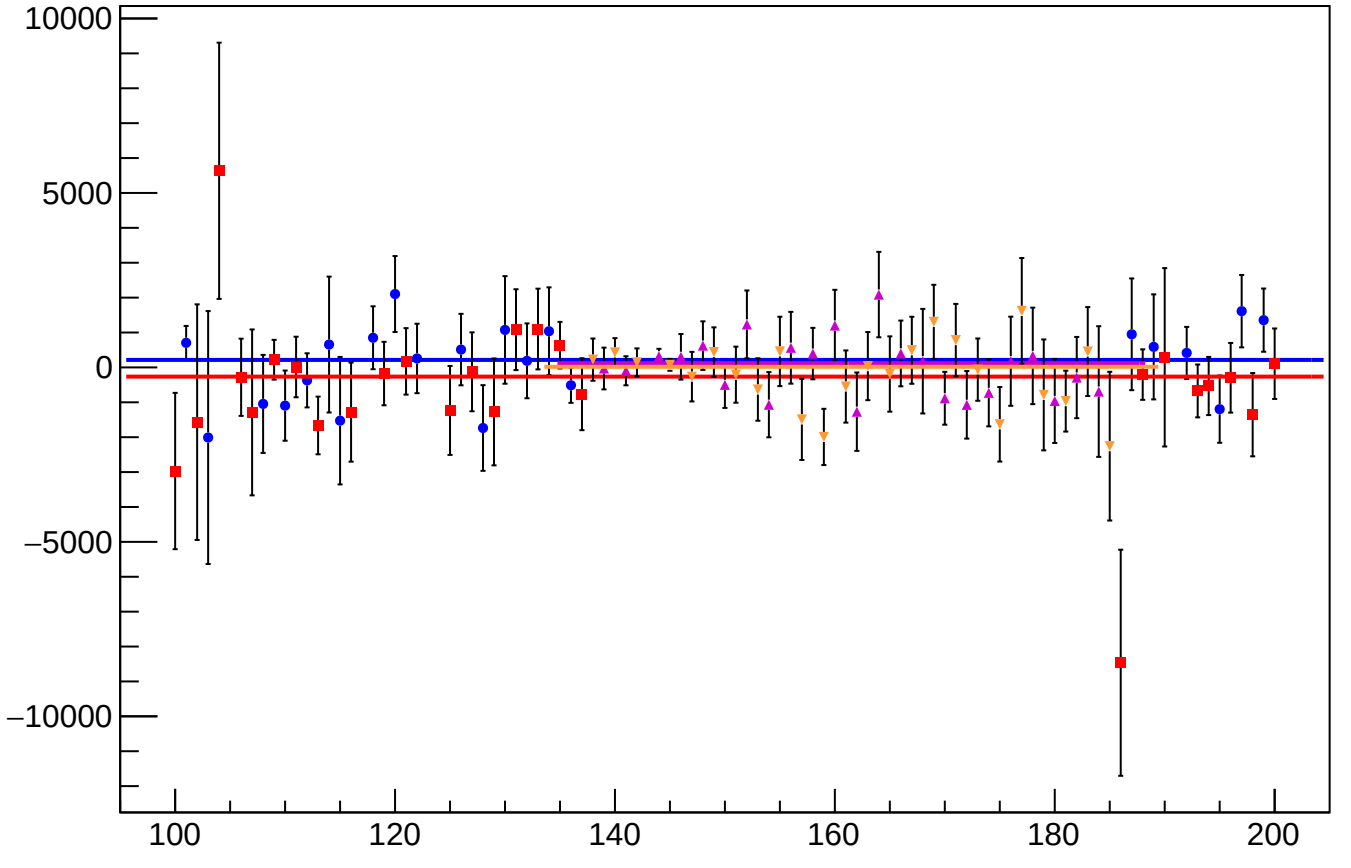
Right: 1839.740+/-0.265 χ^2/NDF: 1122010.1/47

In: 1768.915+/-0.230 χ^2/NDF:761874.1/44

Out: 1776.689+/-0.224 χ^2/NDF:463132.8/49

All: 1772.909+/-0.161 χ^2/NDF: 1225592.5/94

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 214.626+/-202.115 χ^2/NDF: 20.3/21

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

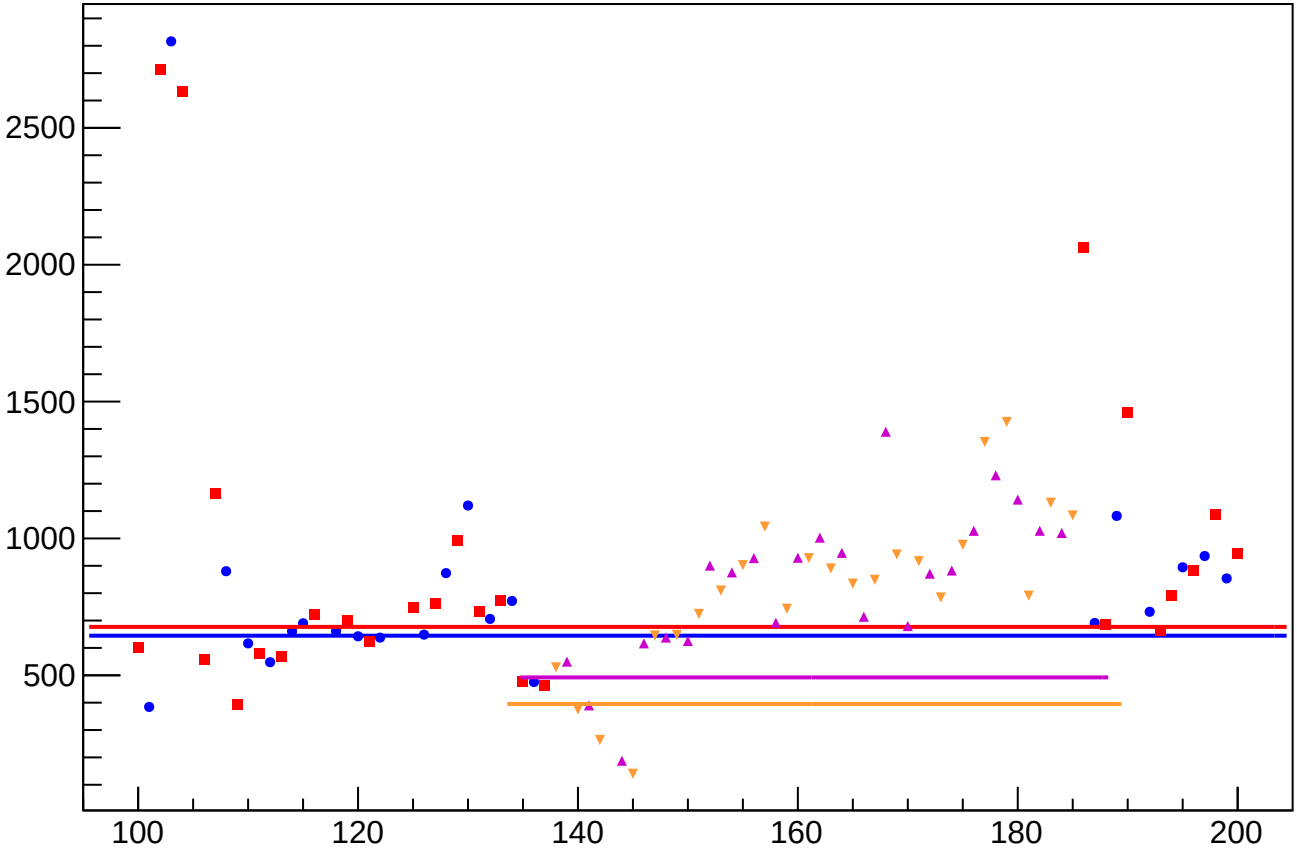
Right: -25.038+/-142.799 χ^2/NDF: 45.5/47

In: 151.002+/-113.488 χ^2/NDF:36.9/44

Out: -55.031+/-102.715 χ^2/NDF:43.3/49

All: 37.745+/-76.155 χ^2/NDF: 82.0/94

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 644.682+/-0.143 χ^2/NDF: 2495911.8/21

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

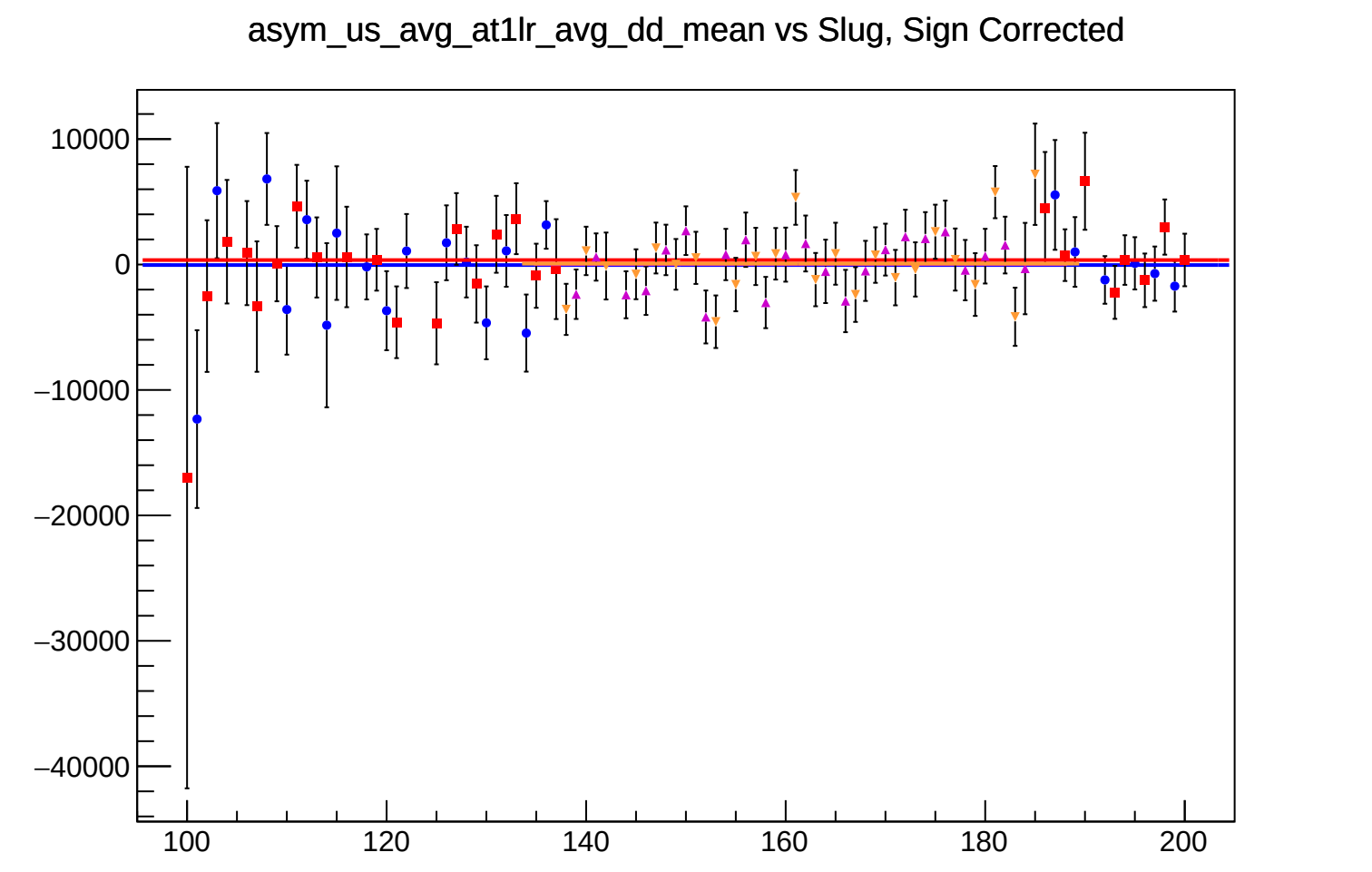
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

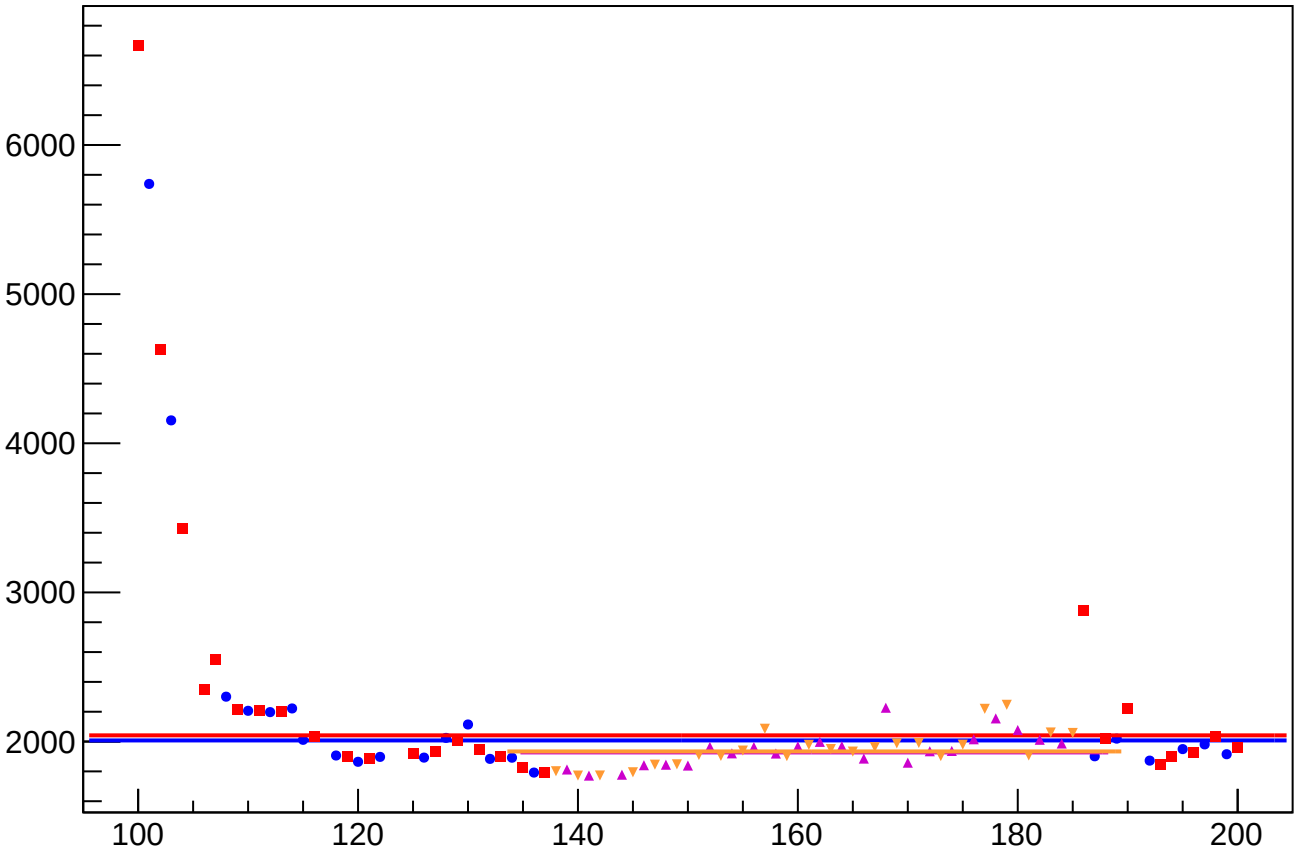
Right: 660.779+/-0.101 χ^2/NDF: 5937700.2/47

In: 540.341+/-0.080 χ^2/NDF:13693899.8/44

Out: 468.166+/-0.073 χ^2/NDF:20637515.4/49

All: 500.666+/-0.054 χ^2/NDF: 34776069.4/94


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -41.619+/-603.895 χ²/NDF: 24.2/21
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 355.851+/-570.629 χ²/NDF: 18.6/25
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 168.365+/-414.757 χ²/NDF: 43.1/47
In: 1.533+/-361.225 χ²/NDF:44.2/44
Out: 177.471+/-353.226 χ²/NDF:52.4/49
All: 91.472+/-252.549 χ²/NDF: 96.7/94



Right In: 2007.497+/-0.427 χ^2/NDF: 965868.1/21

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

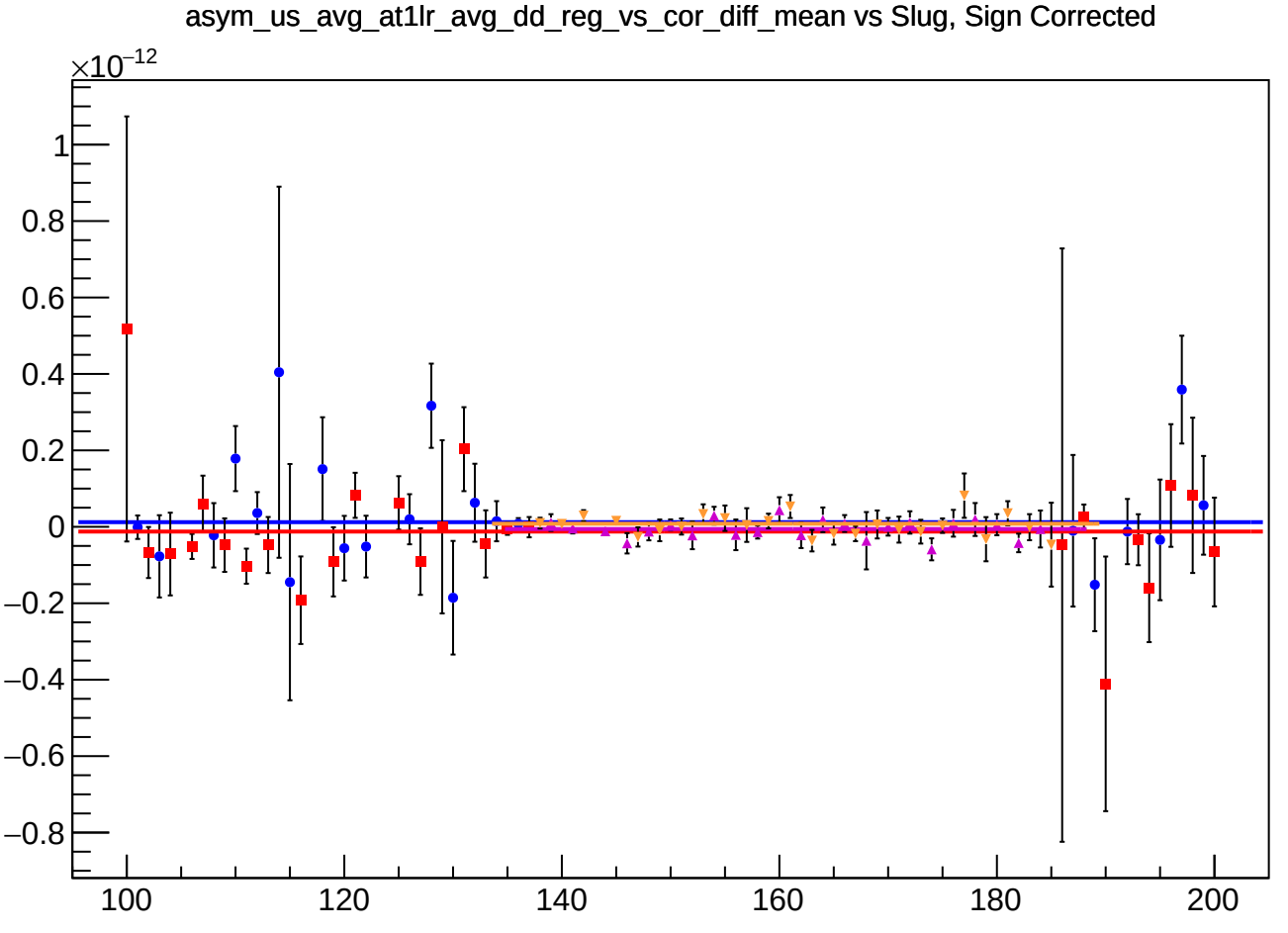
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

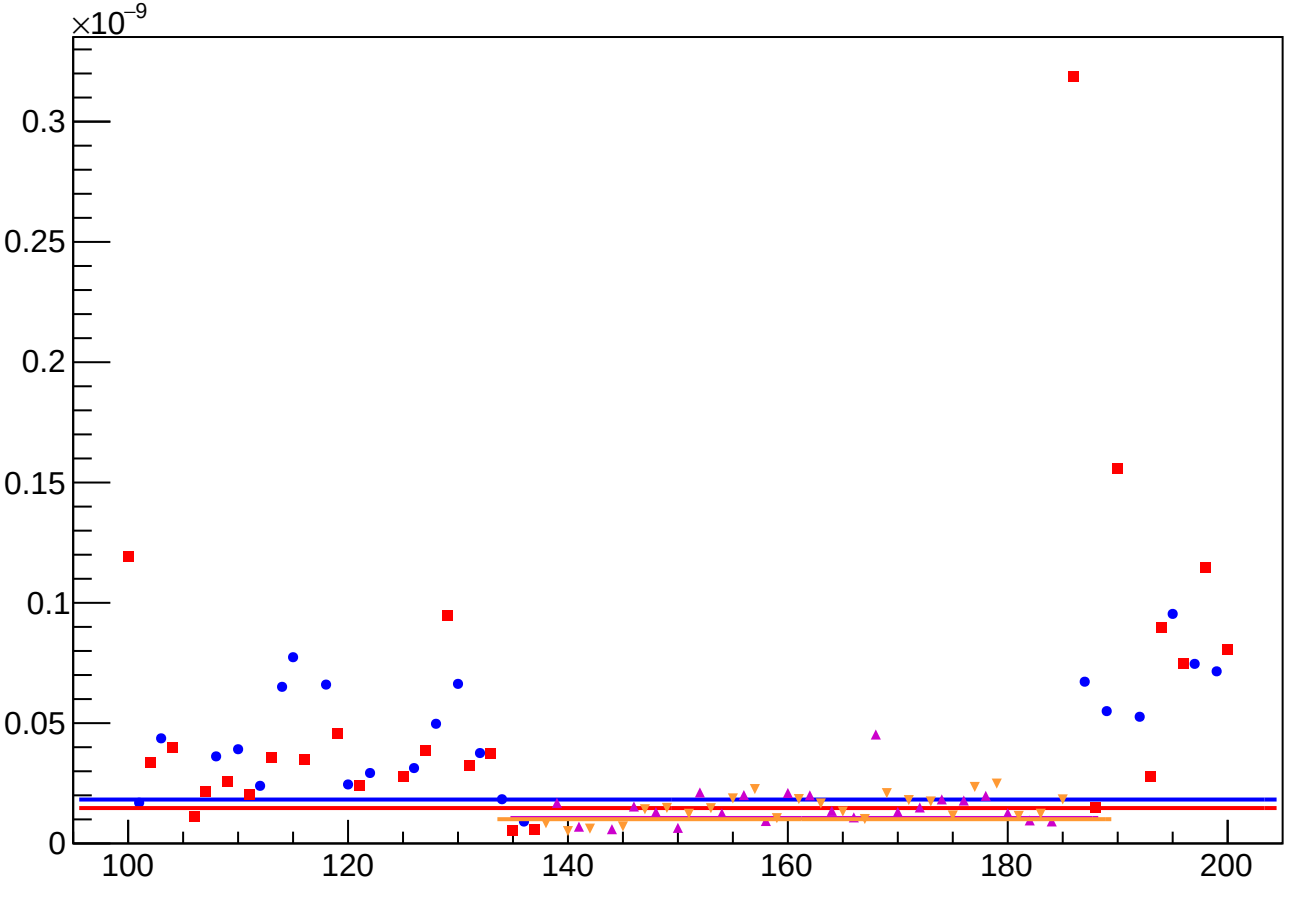
Right: 2025.516+/-0.293 χ^2/NDF: 1768366.2/47

In: 1955.882+/-0.255 χ^2/NDF:1105054.6/44

Out: 1975.111+/-0.250 χ^2/NDF:971687.4/49

All: 1965.712+/-0.179 χ^2/NDF: 2079639.3/94


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: 26.2/21
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: 54.7/47
In: -0.000+/-0.000 χ²/NDF:45.1/44
Out: 0.000+/-0.000 χ²/NDF:46.7/49
All: 0.000+/-0.000 χ²/NDF: 93.7/94



Right In: 0.000+/-0.000 χ^2/NDF: 3786270.6/21

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

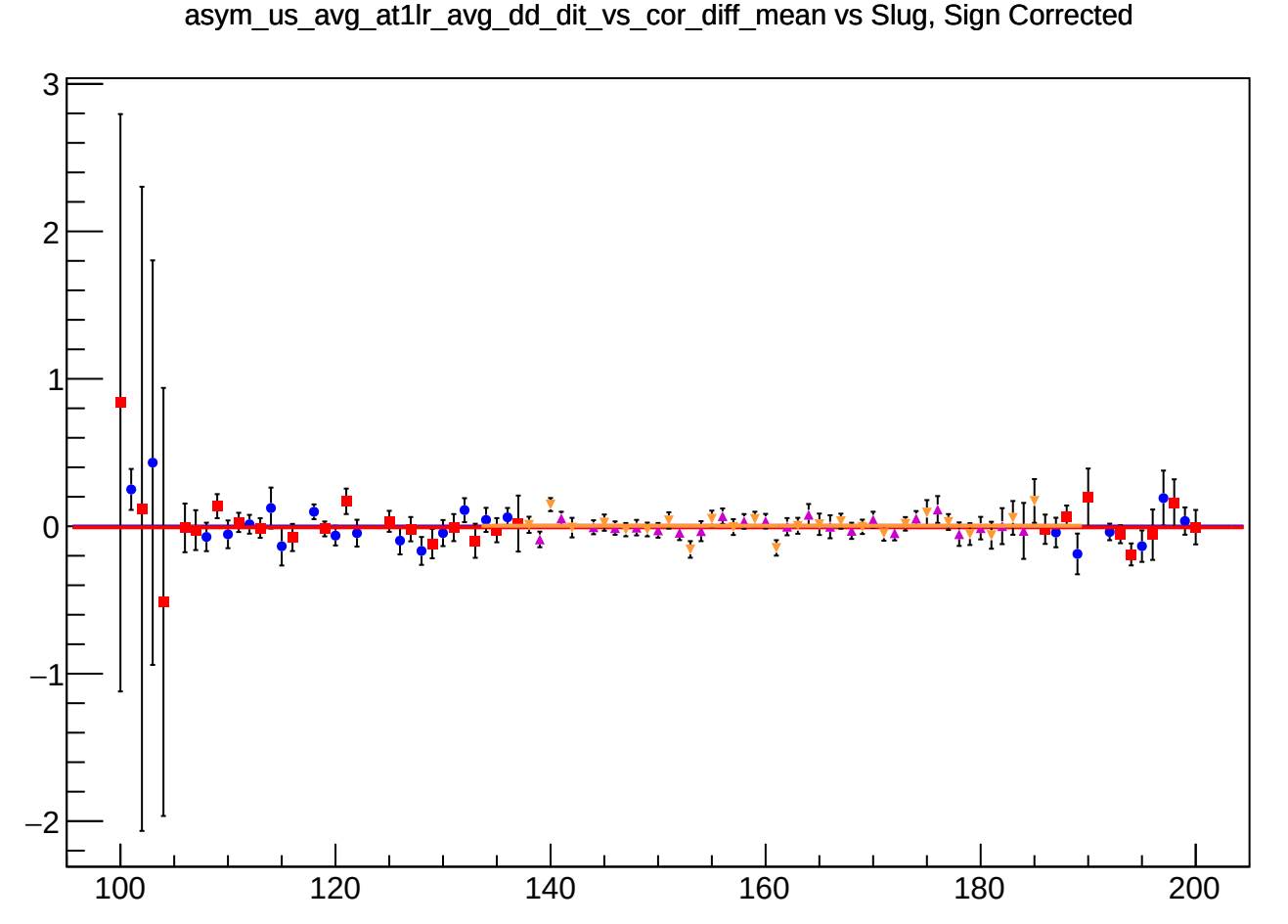
Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8940396.4/47

In: 0.000+/-0.000 χ^2/NDF:7158689.9/44

Out: 0.000+/-0.000 χ^2/NDF:7680971.1/49

All: 0.000+/-0.000 χ^2/NDF: 14878862.9/94



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

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

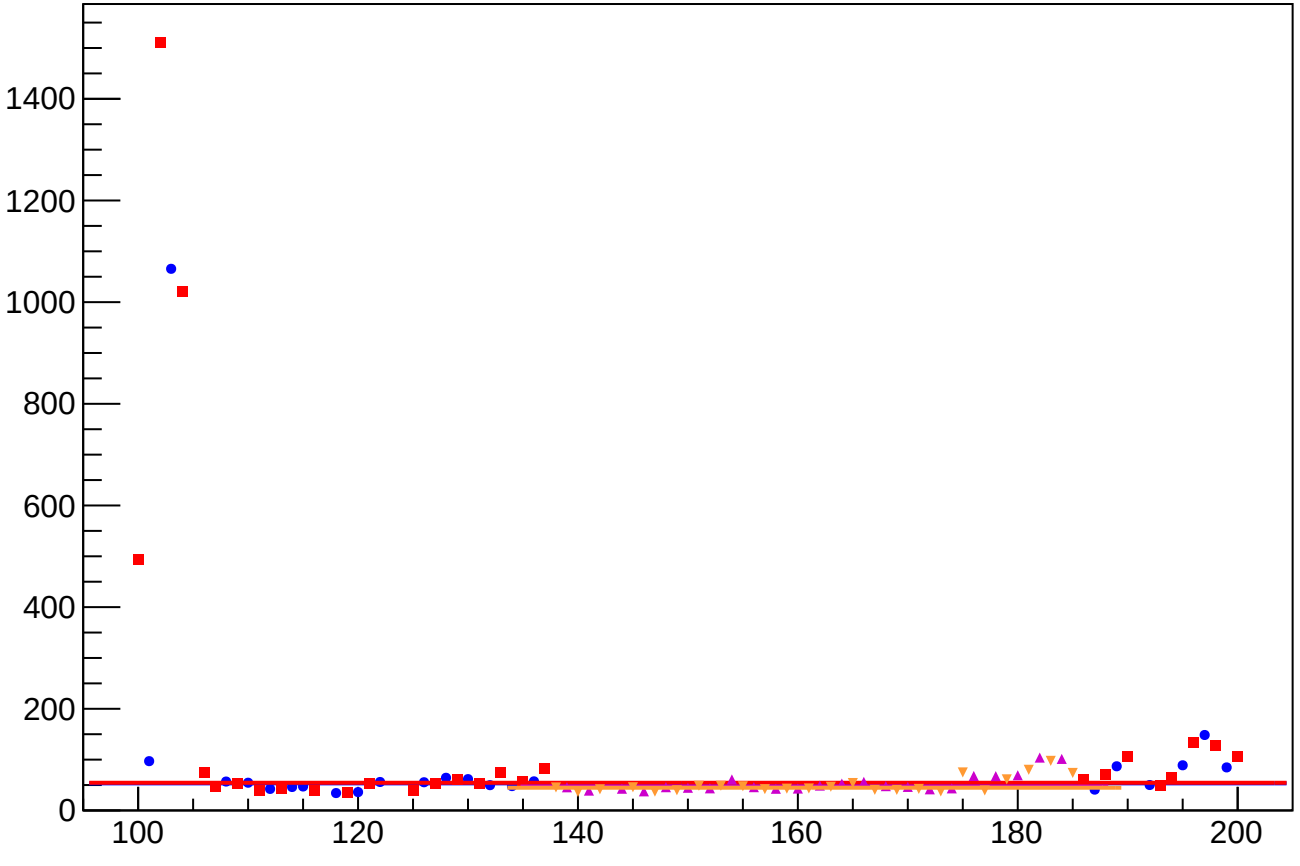
Right: -0.005+/-0.013 χ^2/NDF: 44.6/47

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

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

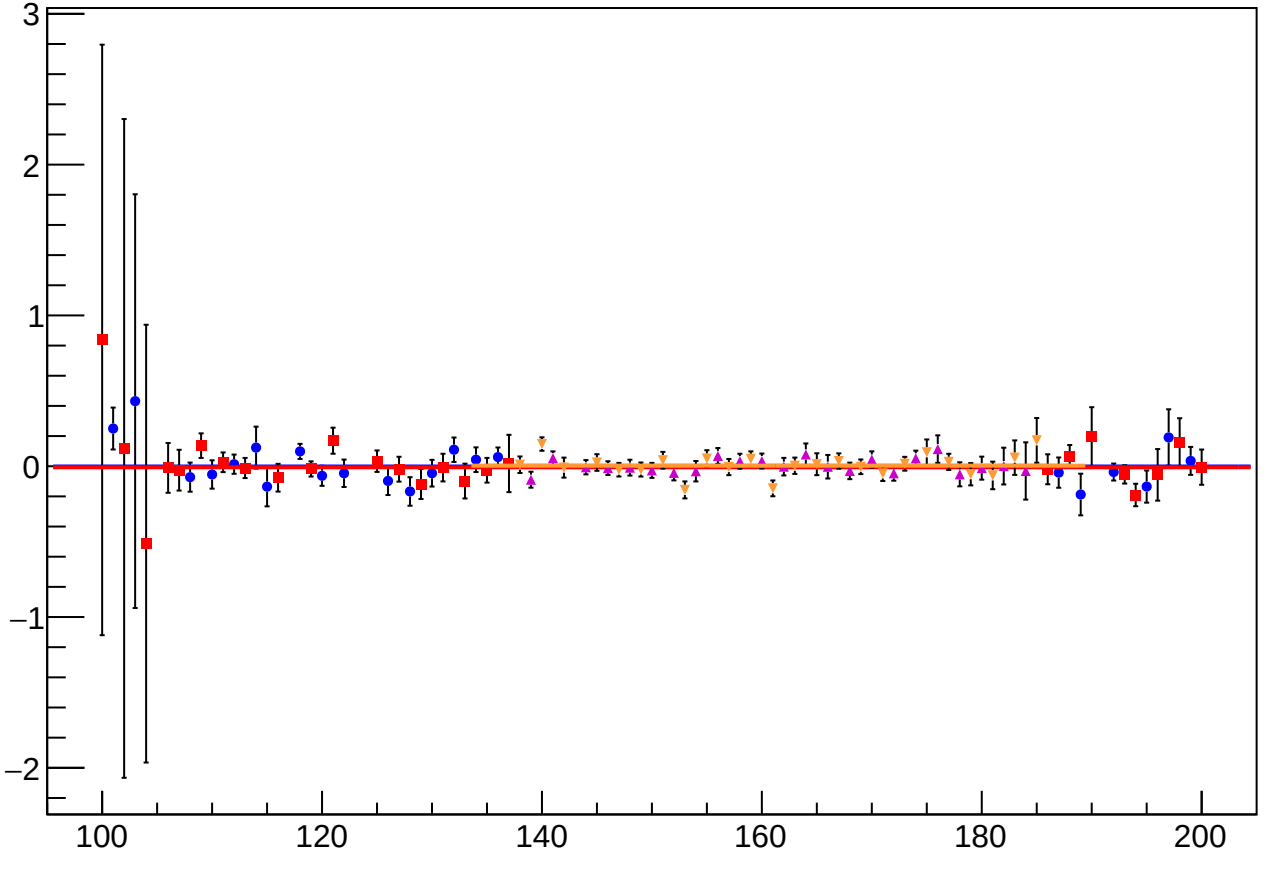
Right: 53.888+/-0.009 χ^2/NDF: 7134240.6/47

In: 48.900+/-0.007 χ^2/NDF:4522722.8/44

Out: 47.544+/-0.007 χ^2/NDF:6049061.5/49

All: 48.201+/-0.005 χ^2/NDF: 10590723.0/94

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

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

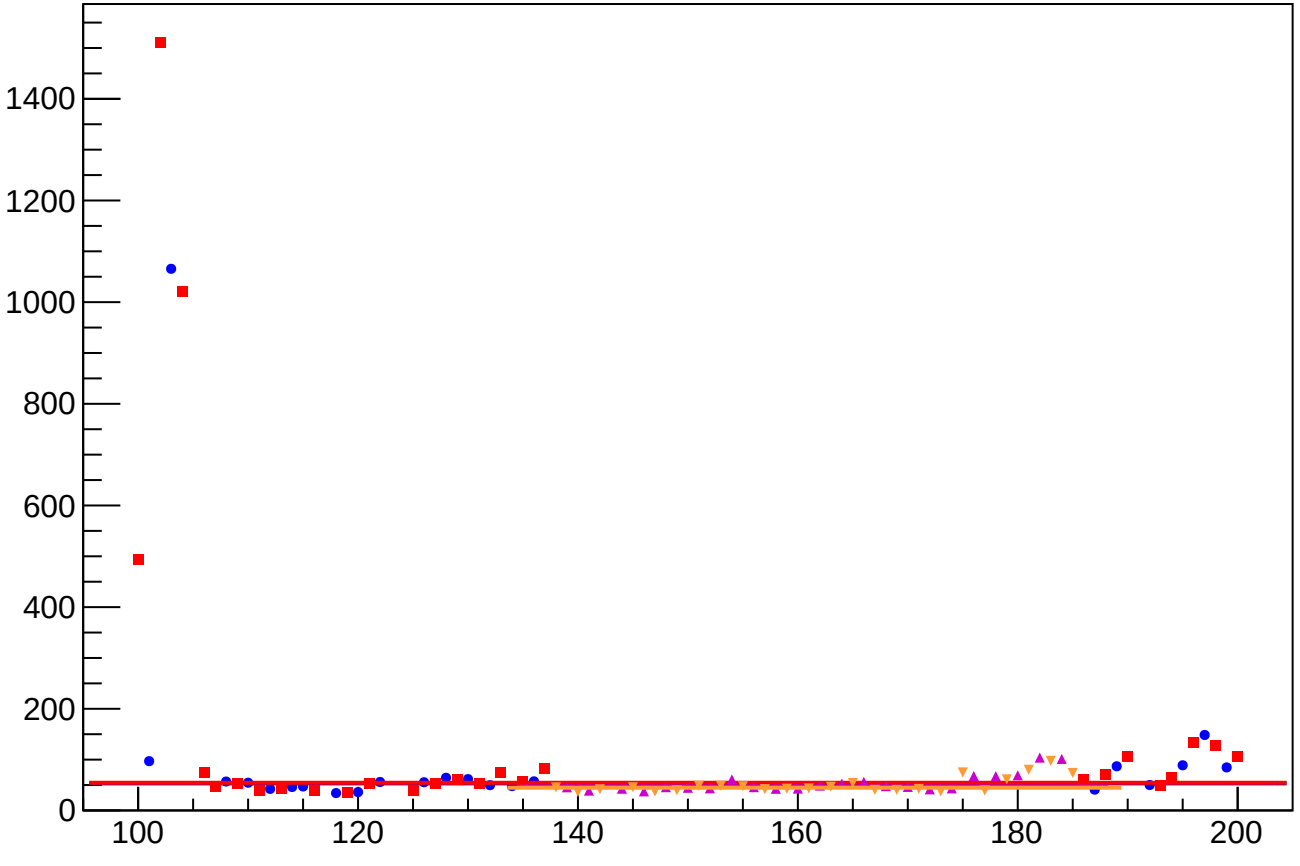
Right: -0.005+/-0.013 χ^2/NDF: 44.6/47

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

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

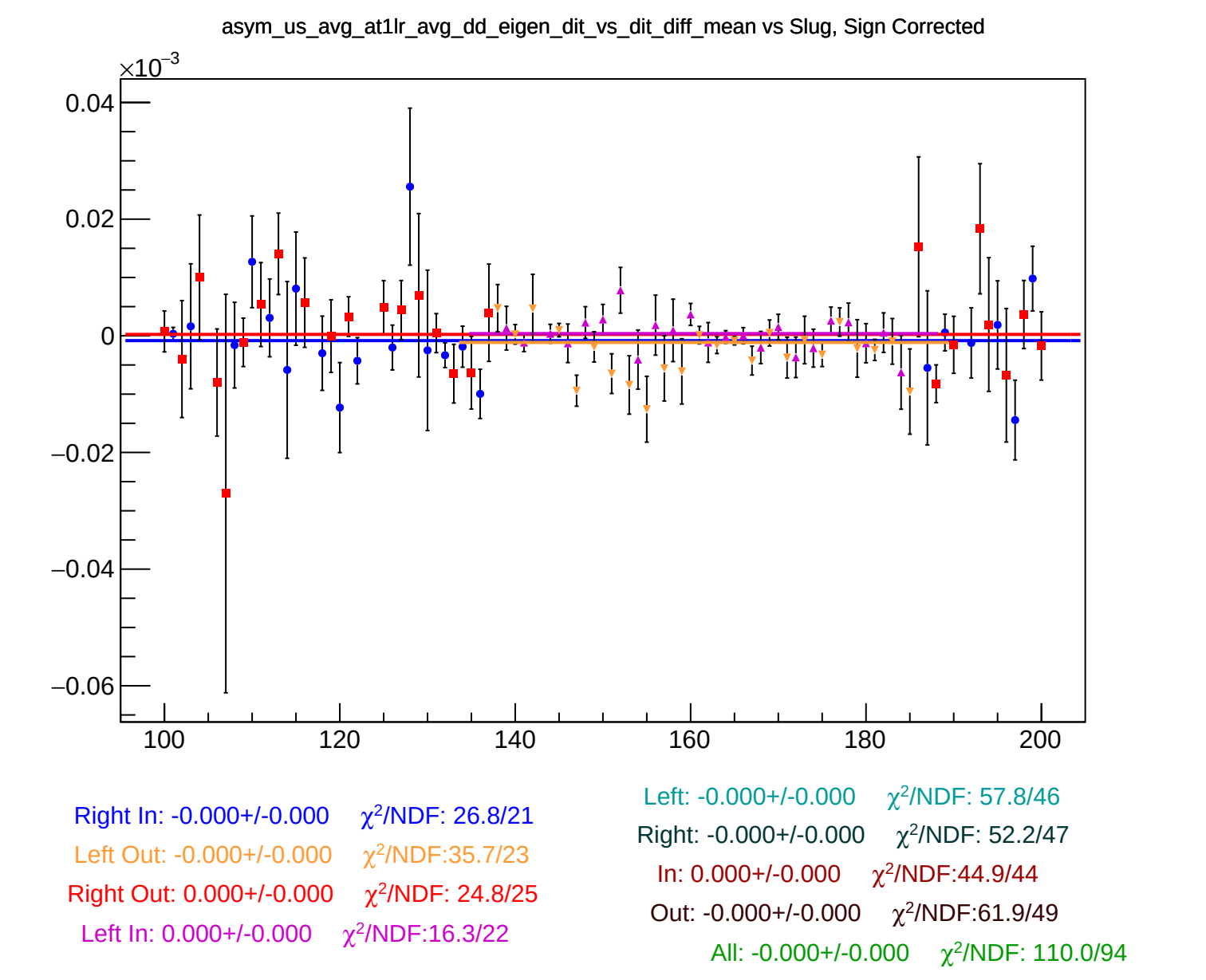
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 53.888+/-0.009 χ^2/NDF: 7134240.6/47

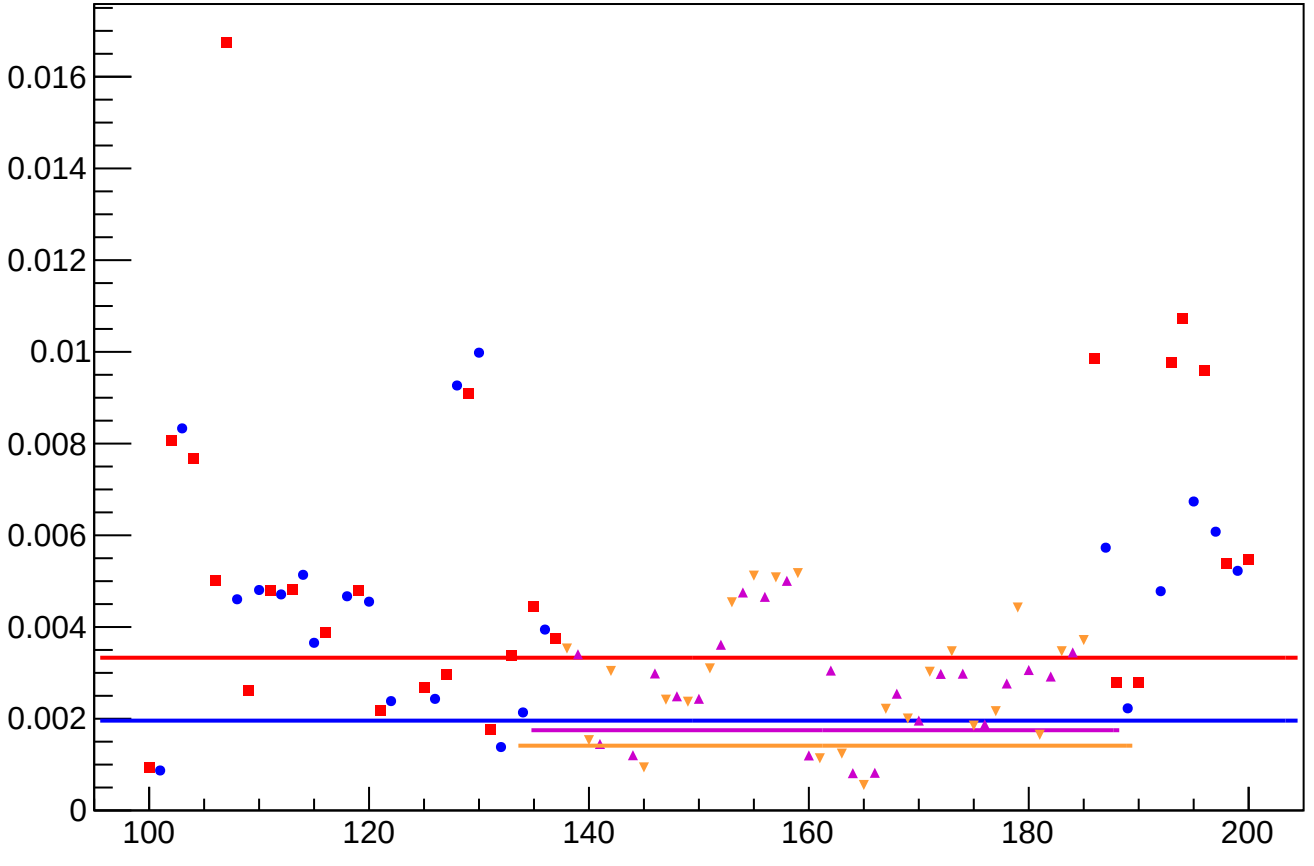
In: 48.900+/-0.007 χ^2/NDF:4522722.8/44

Out: 47.544+/-0.007 χ^2/NDF:6049061.5/49

All: 48.201+/-0.005 χ^2/NDF: 10590723.0/94


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.8/21
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.8/25
Left In: 0.000+/-0.000 χ²/NDF:16.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.8/46
Right: -0.000+/-0.000 χ²/NDF: 52.2/47
In: 0.000+/-0.000 χ²/NDF:44.9/44
Out: -0.000+/-0.000 χ²/NDF:61.9/49
All: -0.000+/-0.000 χ²/NDF: 110.0/94

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: 9026229.4/21

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

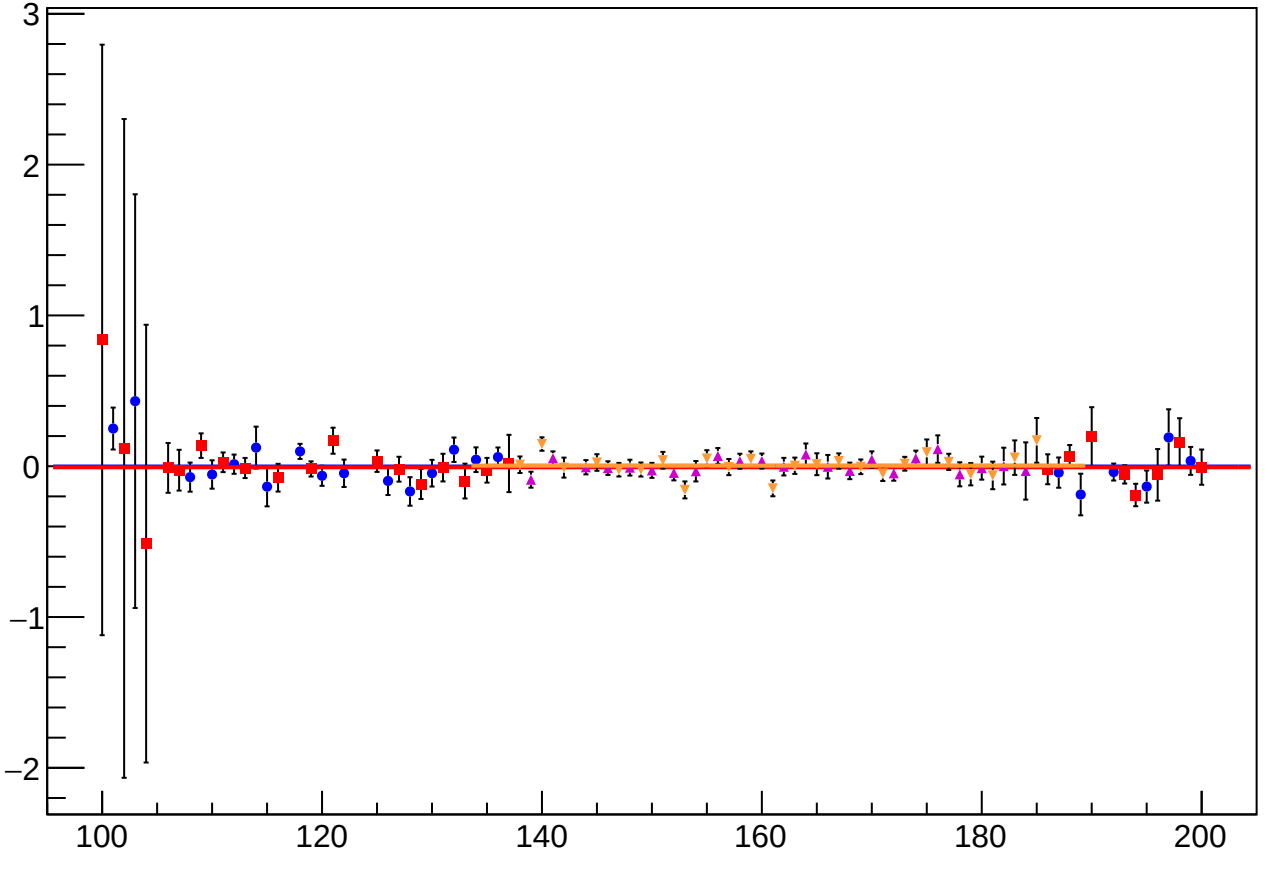
Right: 0.002+/-0.000 χ^2/NDF: 17707658.0/47

In: 0.002+/-0.000 χ^2/NDF:17368817.2/44

Out: 0.002+/-0.000 χ^2/NDF:23524581.2/49

All: 0.002+/-0.000 χ^2/NDF: 41059798.4/94

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

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

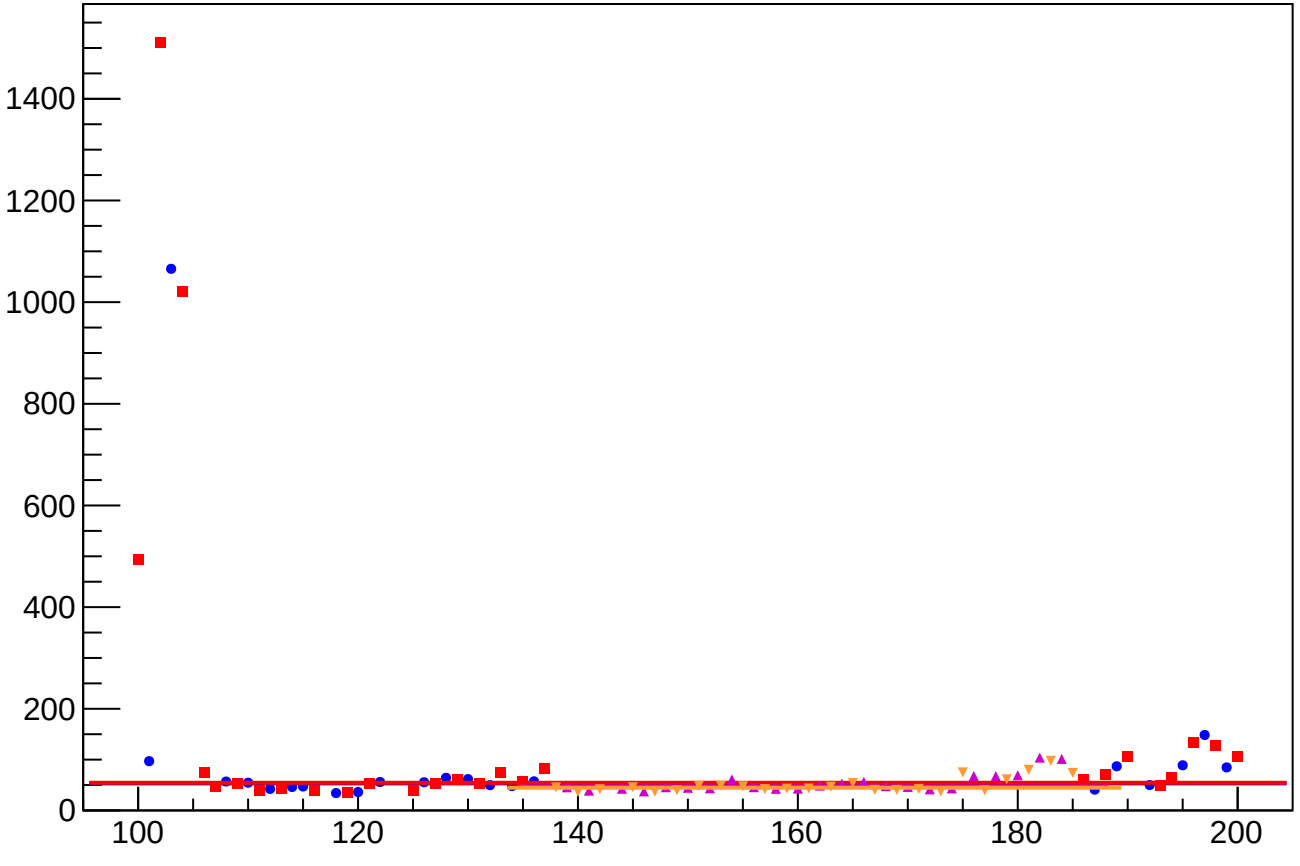
Right: -0.005+/-0.013 χ^2/NDF: 44.6/47

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

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

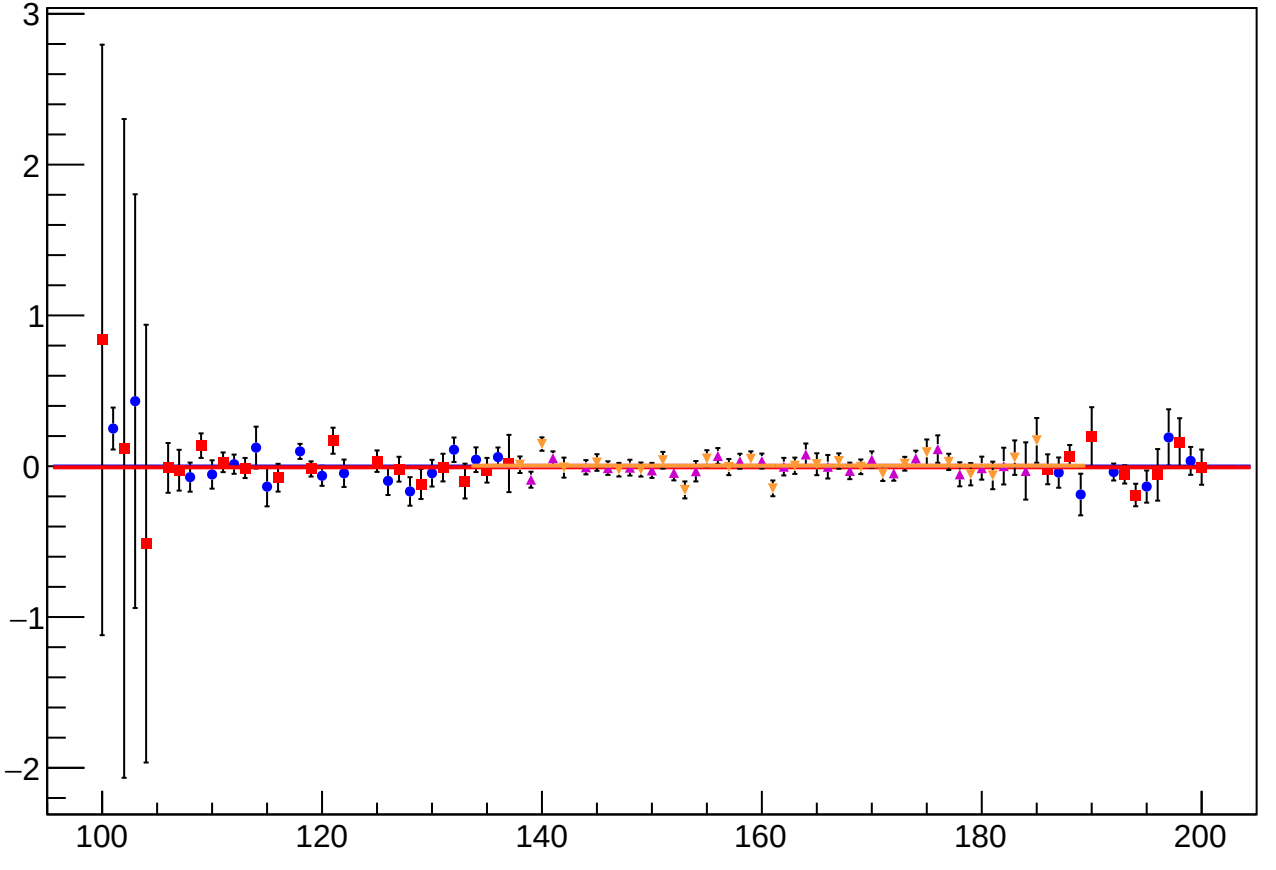
Right: 53.887+/-0.009 χ^2/NDF: 7134295.3/47

In: 48.900+/-0.007 χ^2/NDF:4522736.2/44

Out: 47.544+/-0.007 χ^2/NDF:6049088.9/49

All: 48.201+/-0.005 χ^2/NDF: 10590758.9/94

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

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

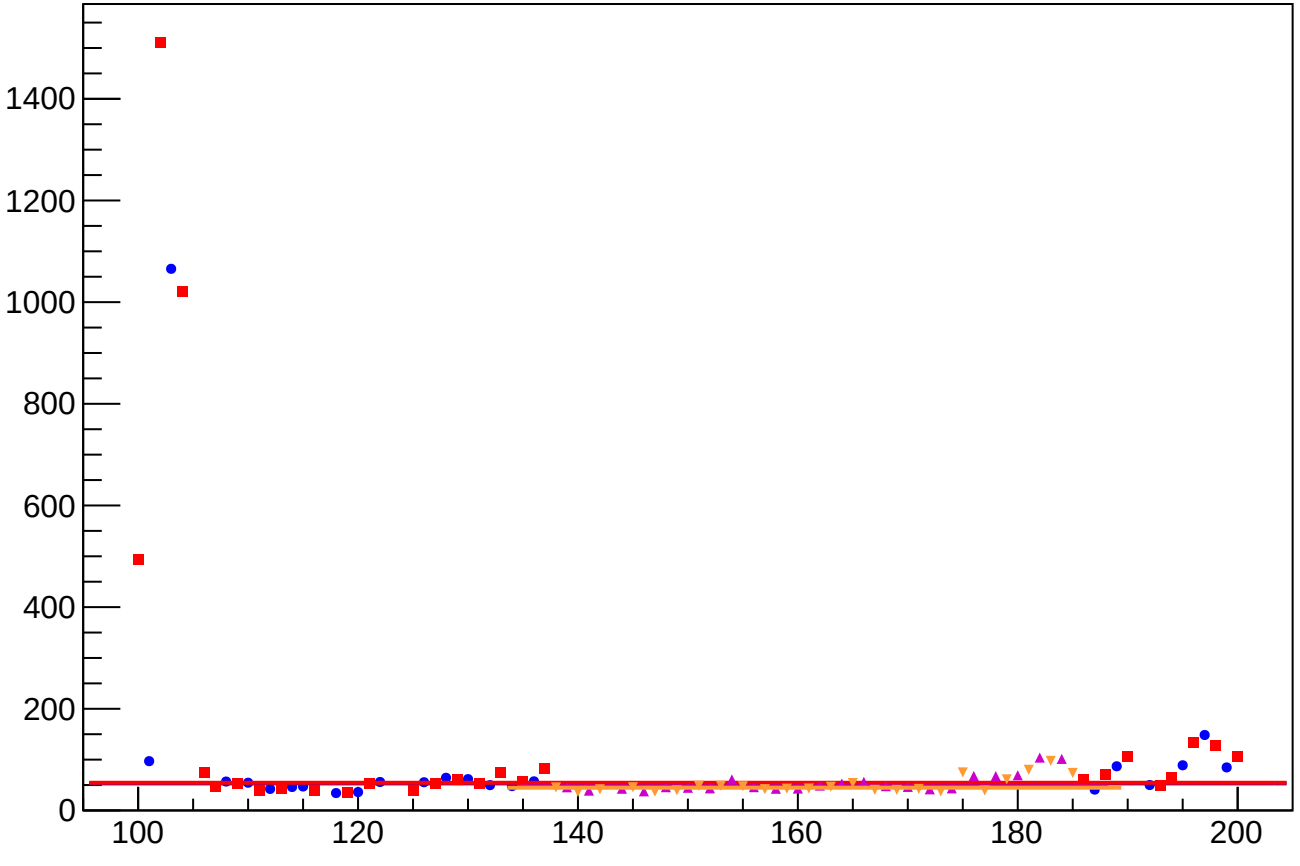
Right: -0.005+/-0.013 χ^2/NDF: 44.6/47

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/49

All: 0.001+/-0.007 χ^2/NDF: 94.4/94

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

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

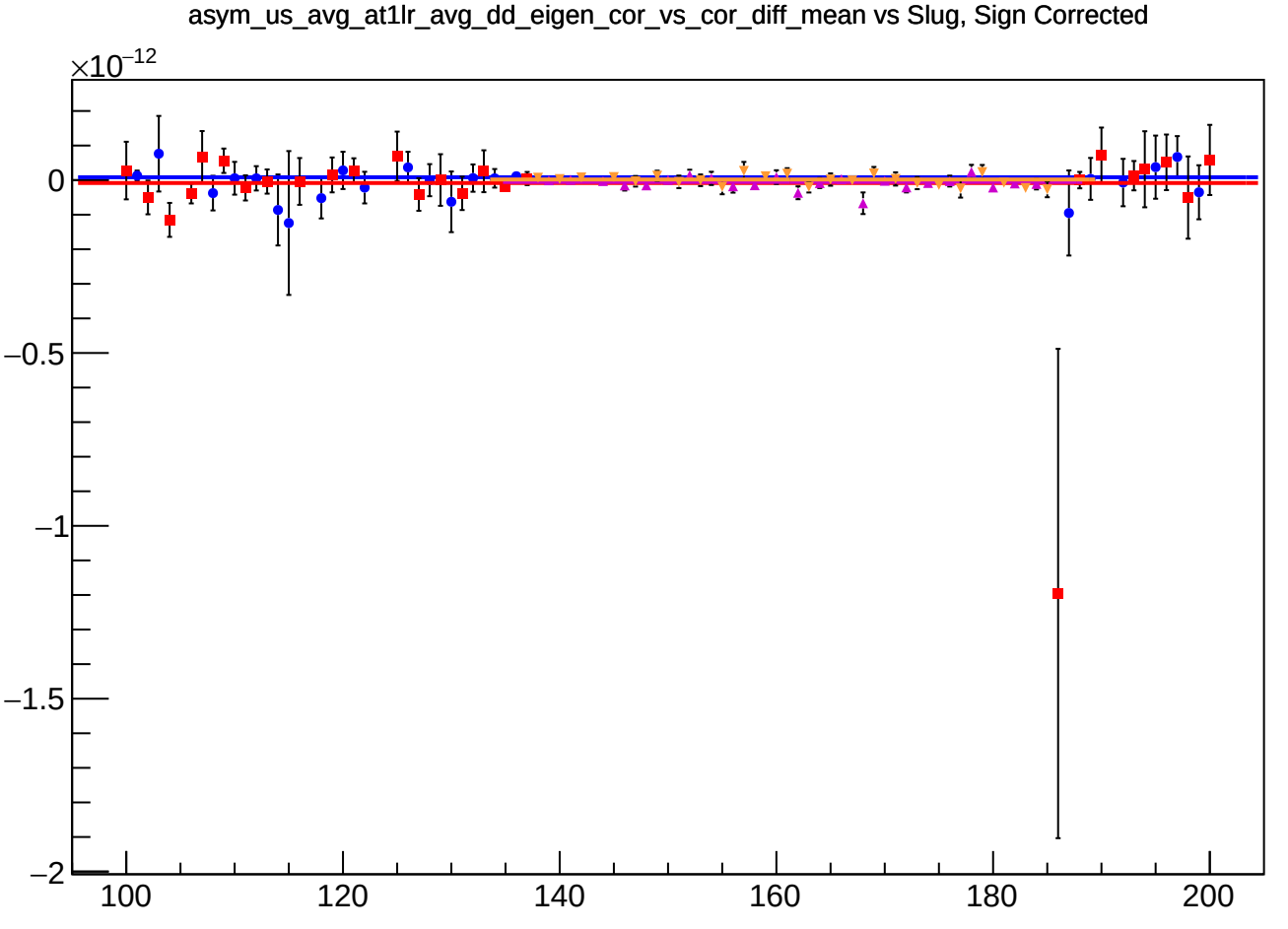
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 53.887+/-0.009 χ^2/NDF: 7134295.3/47

In: 48.900+/-0.007 χ^2/NDF:4522736.2/44

Out: 47.544+/-0.007 χ^2/NDF:6049088.9/49

All: 48.201+/-0.005 χ^2/NDF: 10590758.9/94



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/21

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

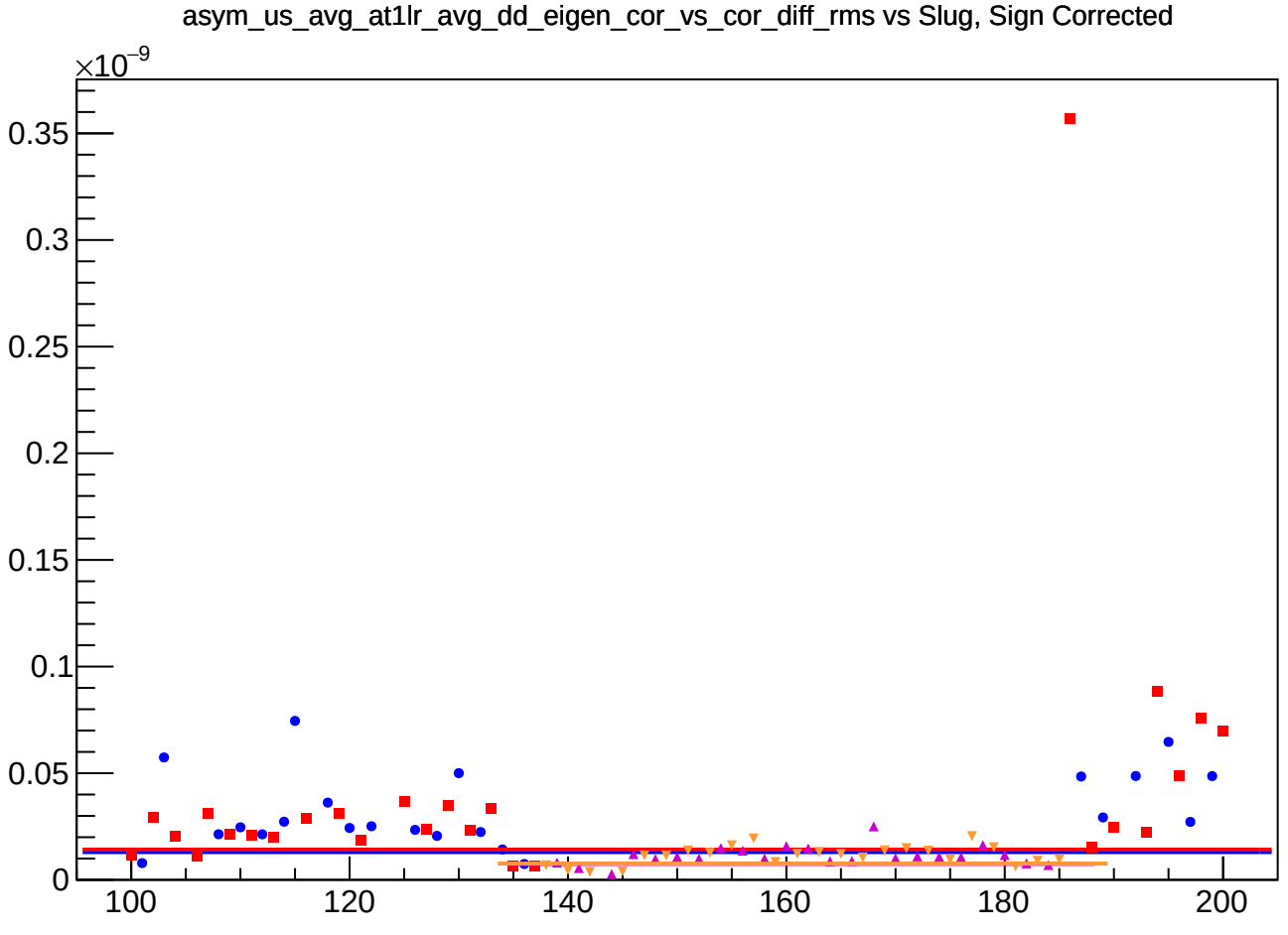
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: 0.000+/-0.000 χ^2/NDF: 32.5/47

In: -0.000+/-0.000 χ^2/NDF:29.2/44

Out: 0.000+/-0.000 χ^2/NDF:44.4/49

All: -0.000+/-0.000 χ^2/NDF: 75.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 5003549.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6016496.9/25

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

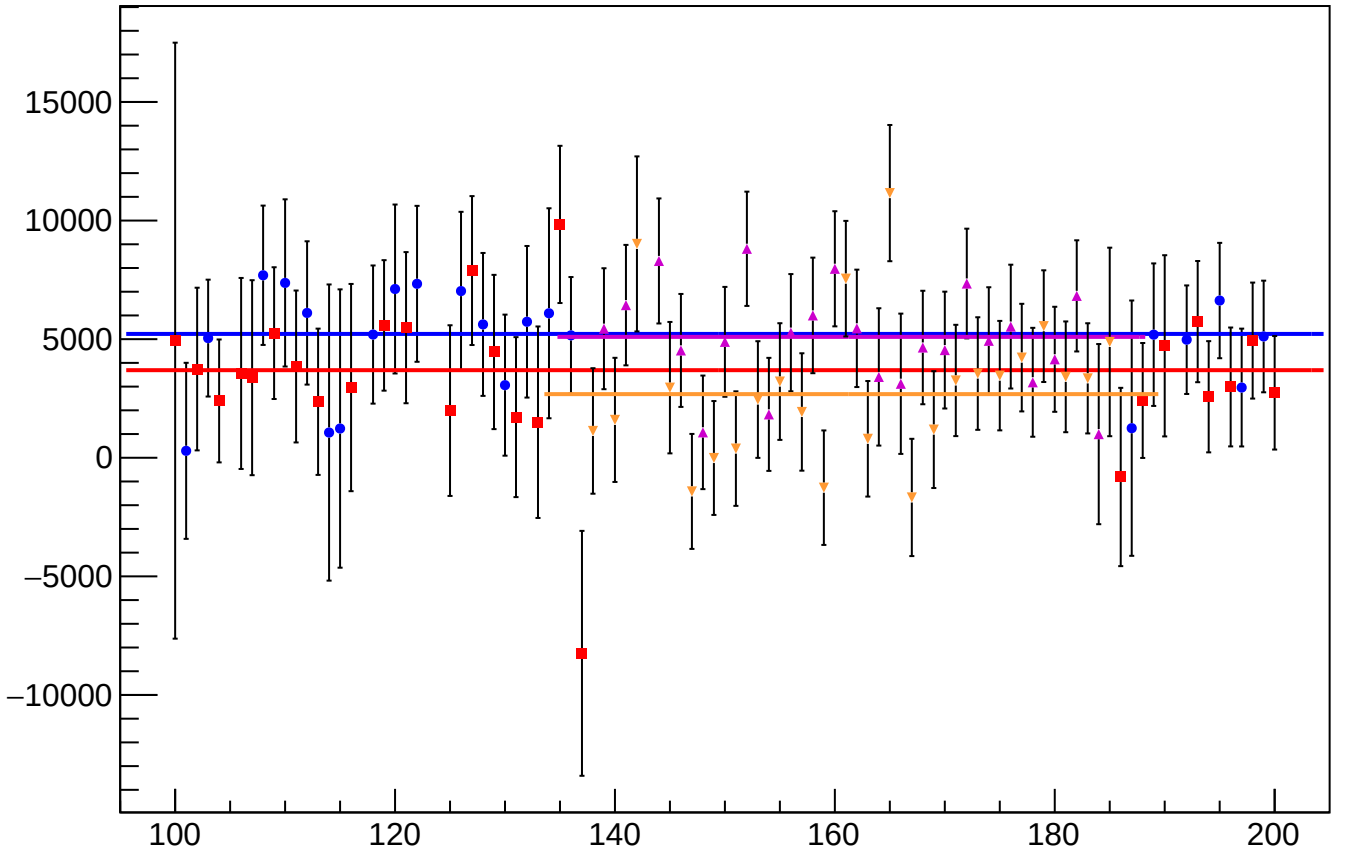
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 11050742.4/47

In: 0.000+/-0.000 χ^2/NDF:12266310.0/44

Out: 0.000+/-0.000 χ^2/NDF:13266746.4/49

All: 0.000+/-0.000 χ^2/NDF: 25544414.3/94



Right In: 5221.034+/-650.562 χ^2/NDF: 7.2/21

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

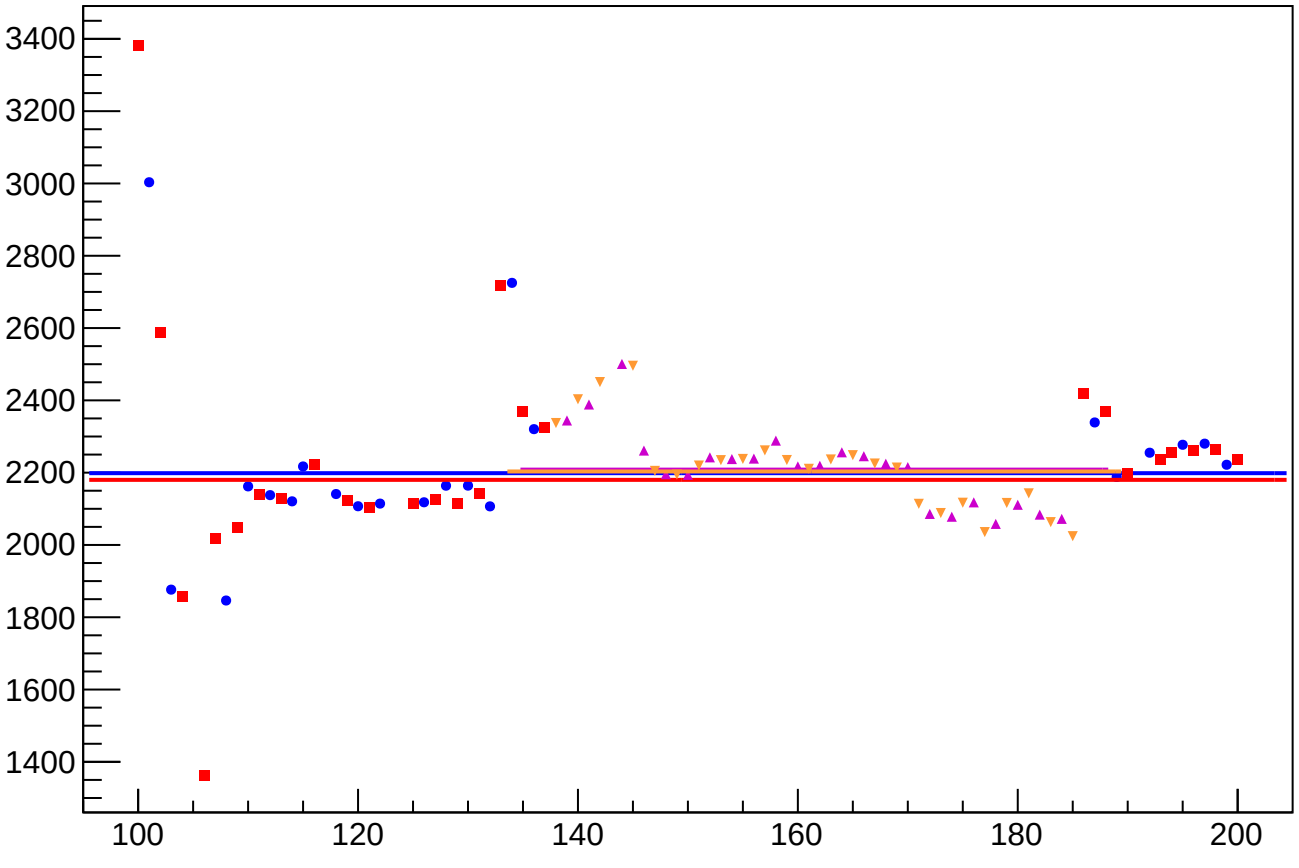
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4409.587+/-445.589 χ^2/NDF: 26.3/47

In: 5144.572+/-404.385 χ^2/NDF:22.1/44

Out: 3098.944+/-392.590 χ^2/NDF:48.7/49

All: 4091.490+/-281.681 χ^2/NDF: 83.9/94



Right In: 2198.570+/-0.460 χ^2/NDF: 205412.9/21

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

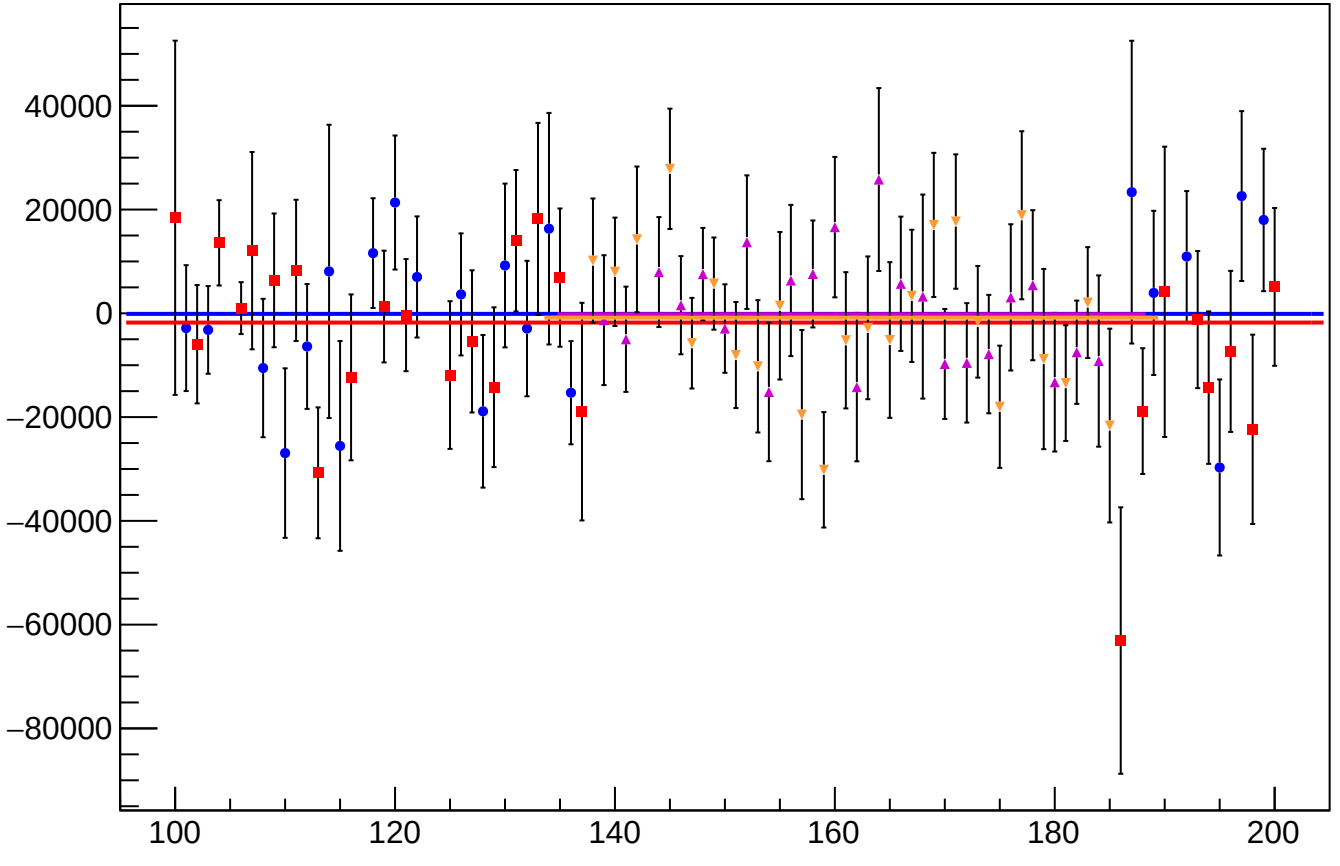
Right: 2188.655+/-0.314 χ^2/NDF: 517939.9/47

In: 2204.589+/-0.286 χ^2/NDF:286686.2/44

Out: 2193.614+/-0.277 χ^2/NDF:401584.7/49

All: 2198.918+/-0.199 χ^2/NDF: 689032.2/94

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -103.744+/-2876.150 χ^2/NDF: 23.0/21

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

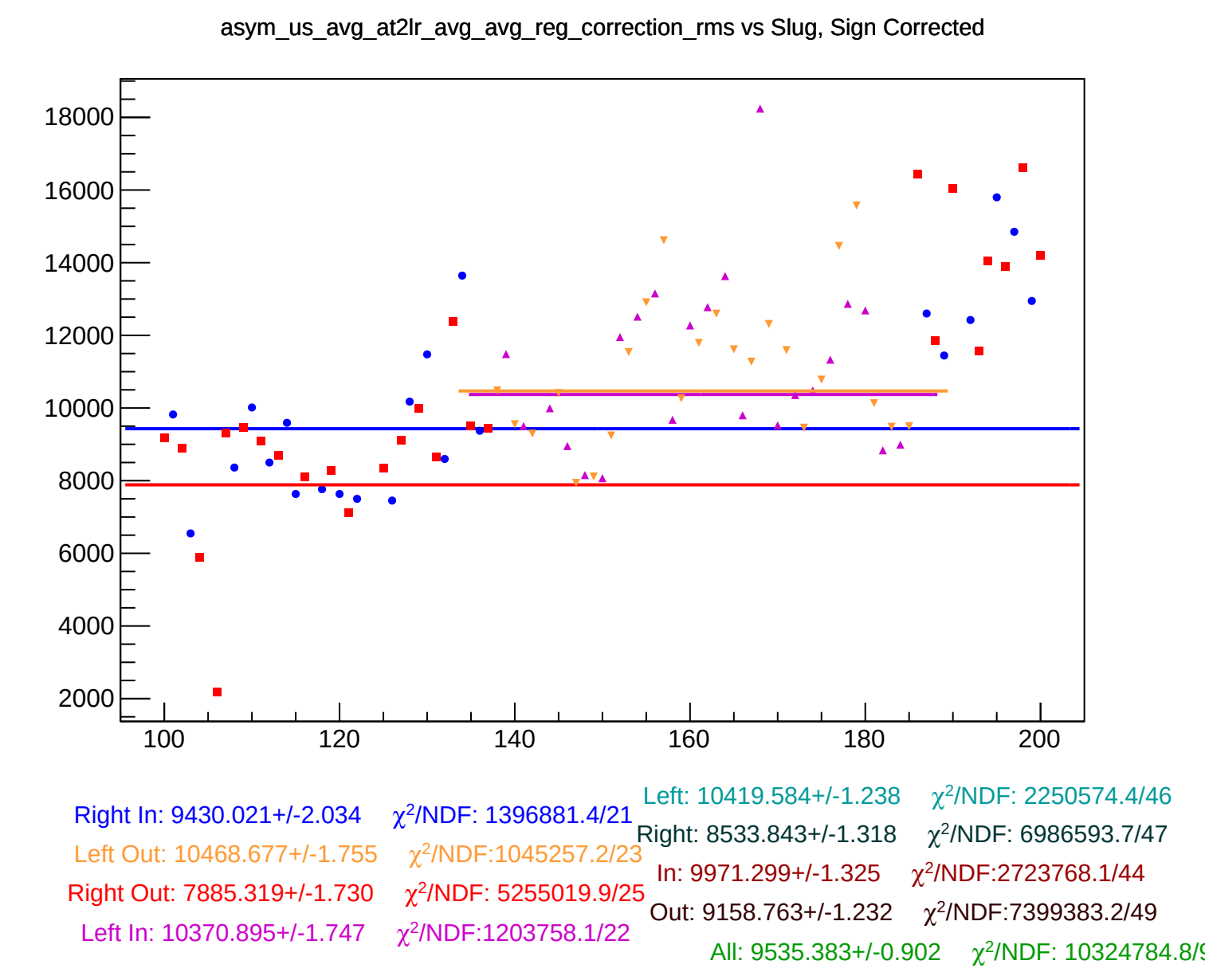
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

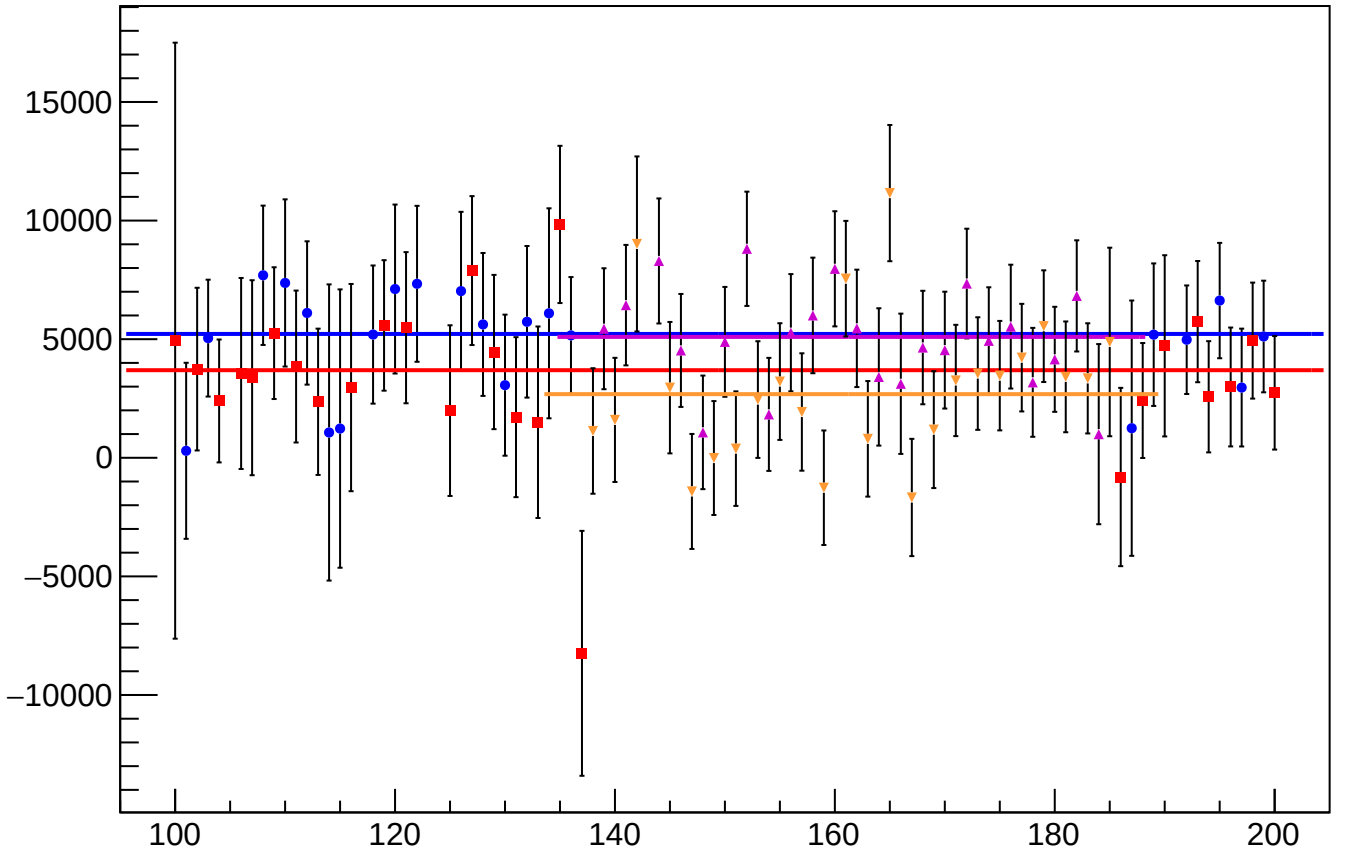
Right: -1074.452+/-1863.598 χ^2/NDF: 49.6/47

In: -149.009+/-1874.375 χ^2/NDF:36.7/44

Out: -1311.856+/-1742.234 χ^2/NDF:56.0/49

All: -772.863+/-1276.106 χ^2/NDF: 92.9/94


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9430.021+/-2.034 χ²/NDF: 1396881.4/21
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7885.319+/-1.730 χ²/NDF: 5255019.9/25
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 8533.843+/-1.318 χ²/NDF: 6986593.7/47
In: 9971.299+/-1.325 χ²/NDF:2723768.1/44
Out: 9158.763+/-1.232 χ²/NDF:7399383.2/49
All: 9535.383+/-0.902 χ²/NDF: 10324784.8/9



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

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

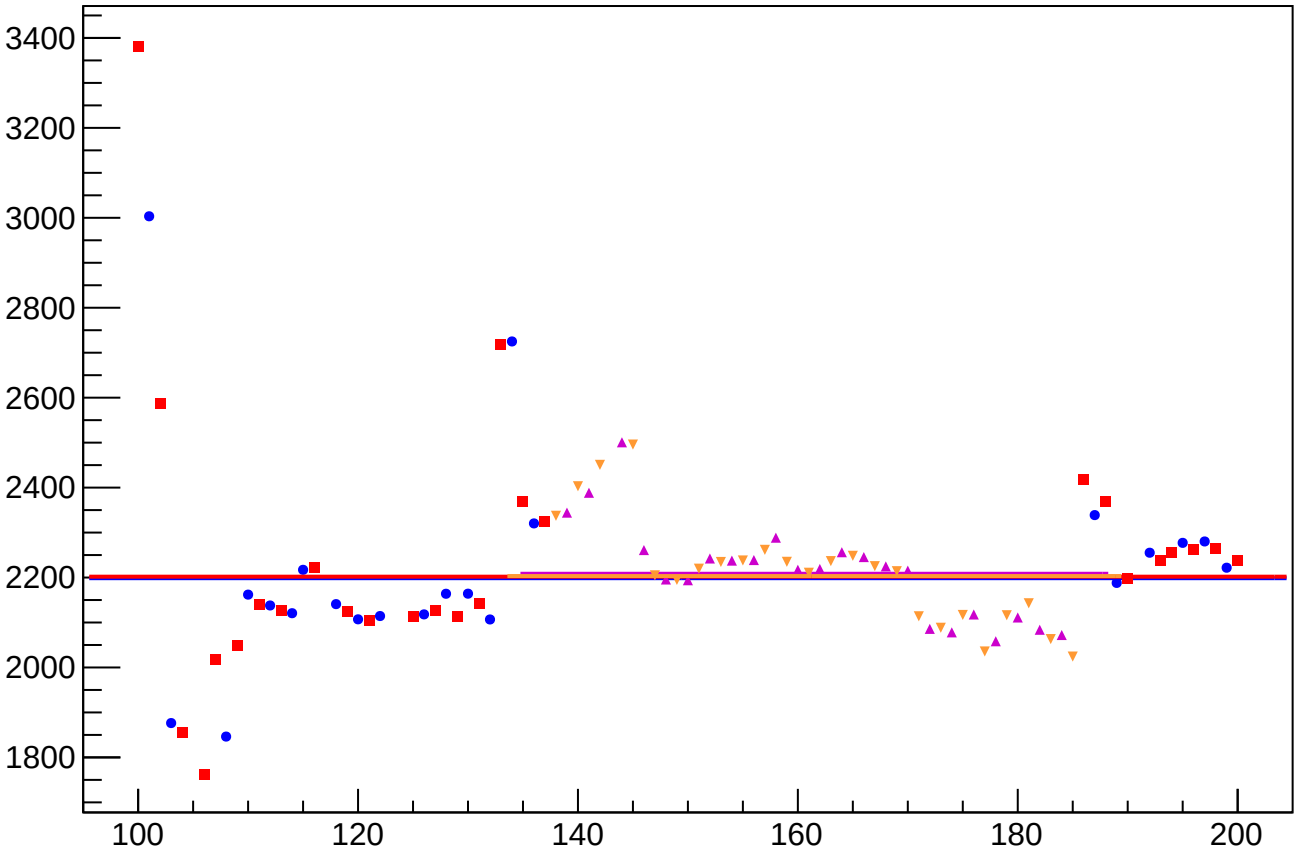
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4409.568+/-445.589 χ^2/NDF: 26.3/47

In: 5144.557+/-404.385 χ^2/NDF:22.1/44

Out: 3098.844+/-392.590 χ^2/NDF:48.7/49

All: 4091.431+/-281.681 χ^2/NDF: 84.0/94



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

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

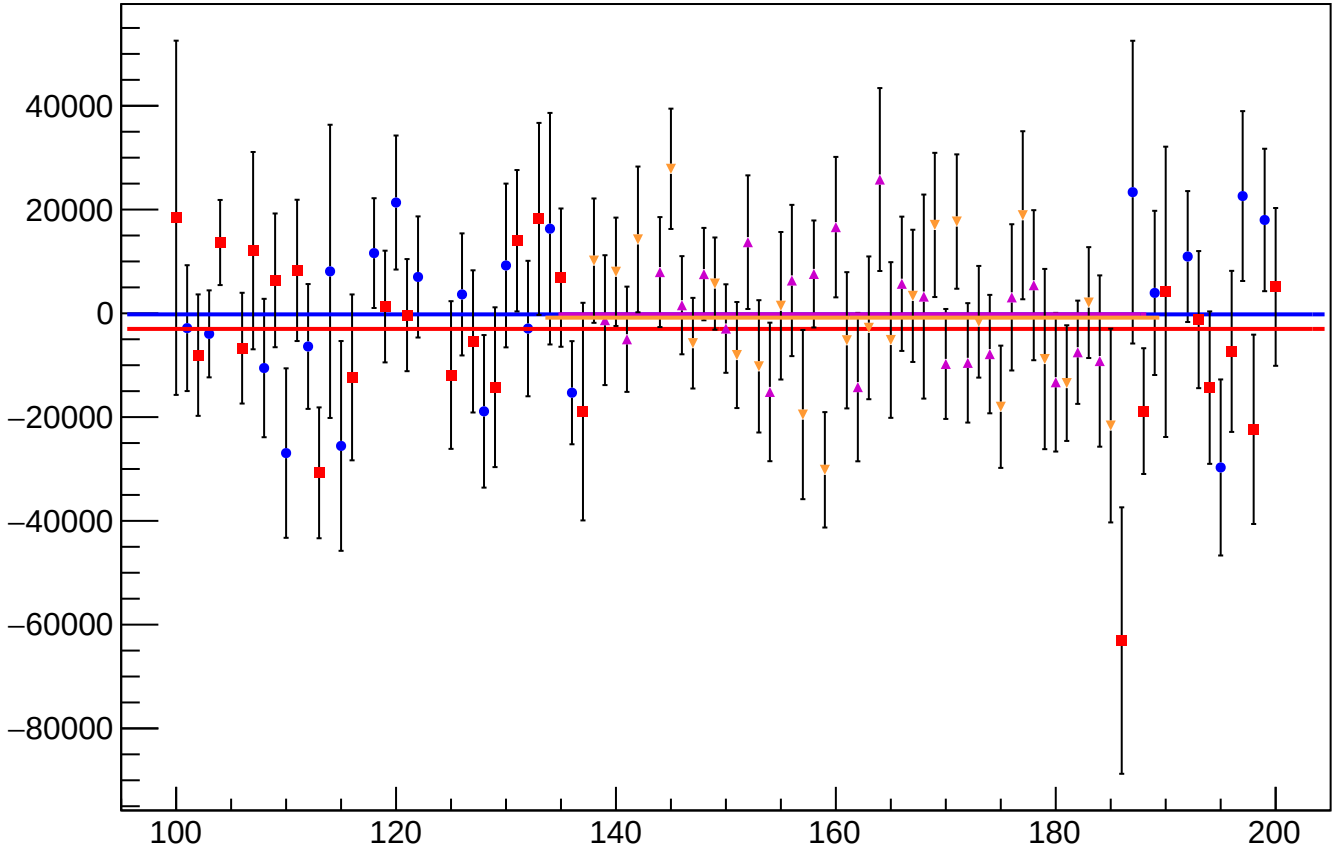
Right: 2200.344+/-0.315 χ^2/NDF: 392942.3/47

In: 2204.589+/-0.286 χ^2/NDF:286686.6/44

Out: 2202.721+/-0.277 χ^2/NDF:275715.5/49

All: 2203.626+/-0.199 χ^2/NDF: 562424.1/94

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

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

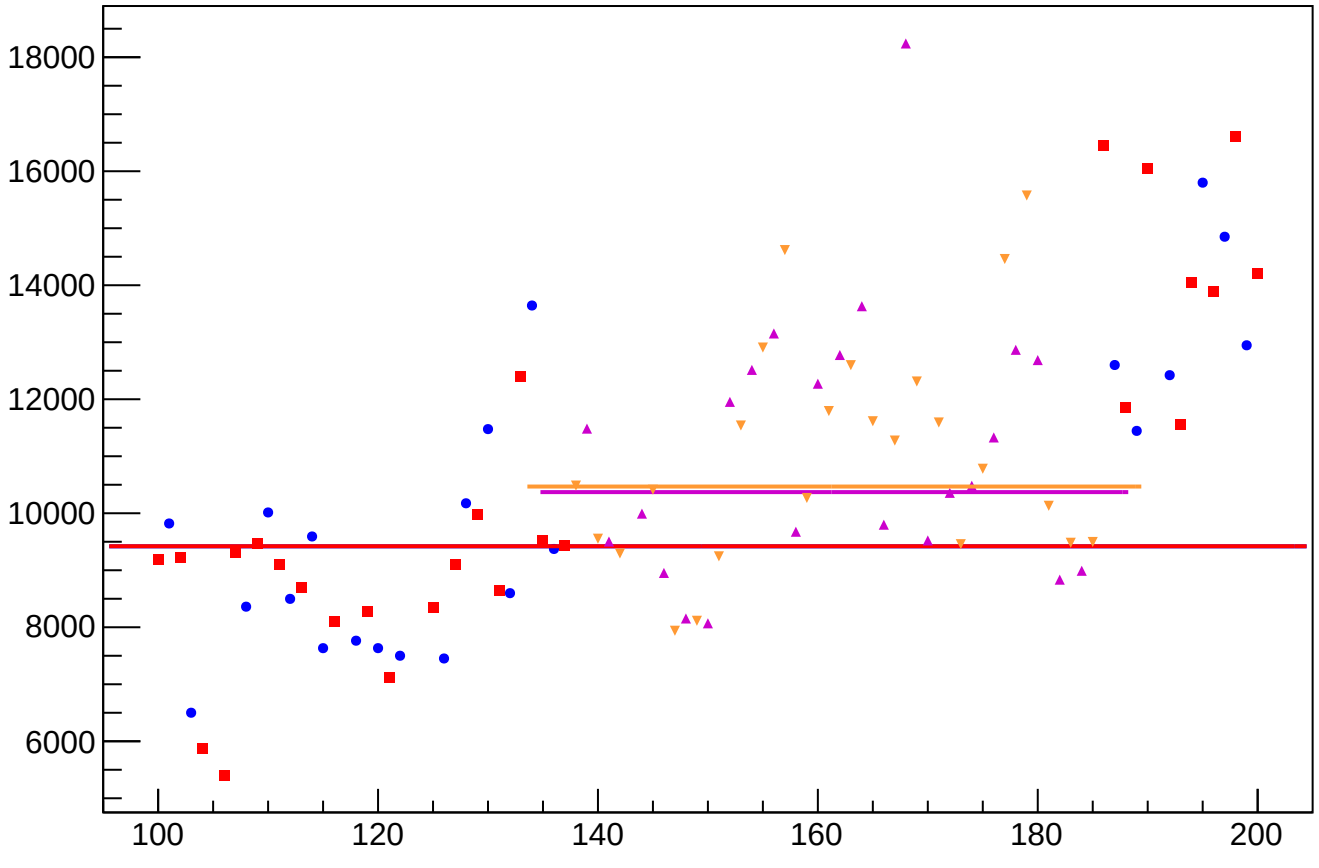
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

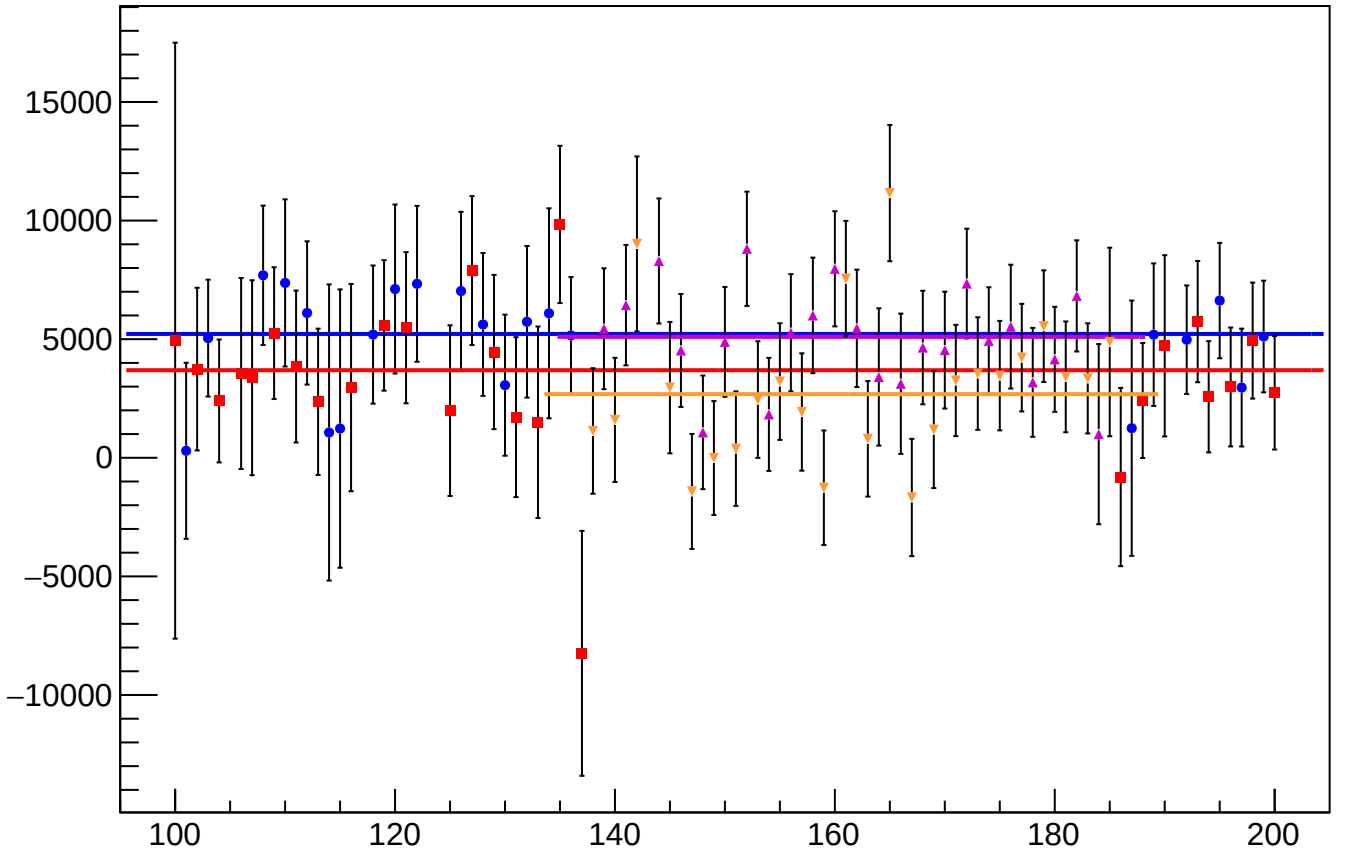
Right: -1680.014+/-1974.078 χ^2/NDF: 49.9/47

In: -189.426+/-1873.664 χ^2/NDF:36.8/44

Out: -1820.583+/-1832.149 χ^2/NDF:56.2/49

All: -1023.276+/-1309.956 χ^2/NDF: 93.4/94


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9419.308+/-2.032 χ²/NDF: 1408240.5/21
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: 9420.472+/-1.396 χ²/NDF: 3541485.8/47
In: 9966.330+/-1.325 χ²/NDF:2738079.6/44
Out: 9992.357+/-1.296 χ²/NDF:3340507.1/49
All: 9979.635+/-0.926 χ²/NDF: 6078784.0/94



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

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

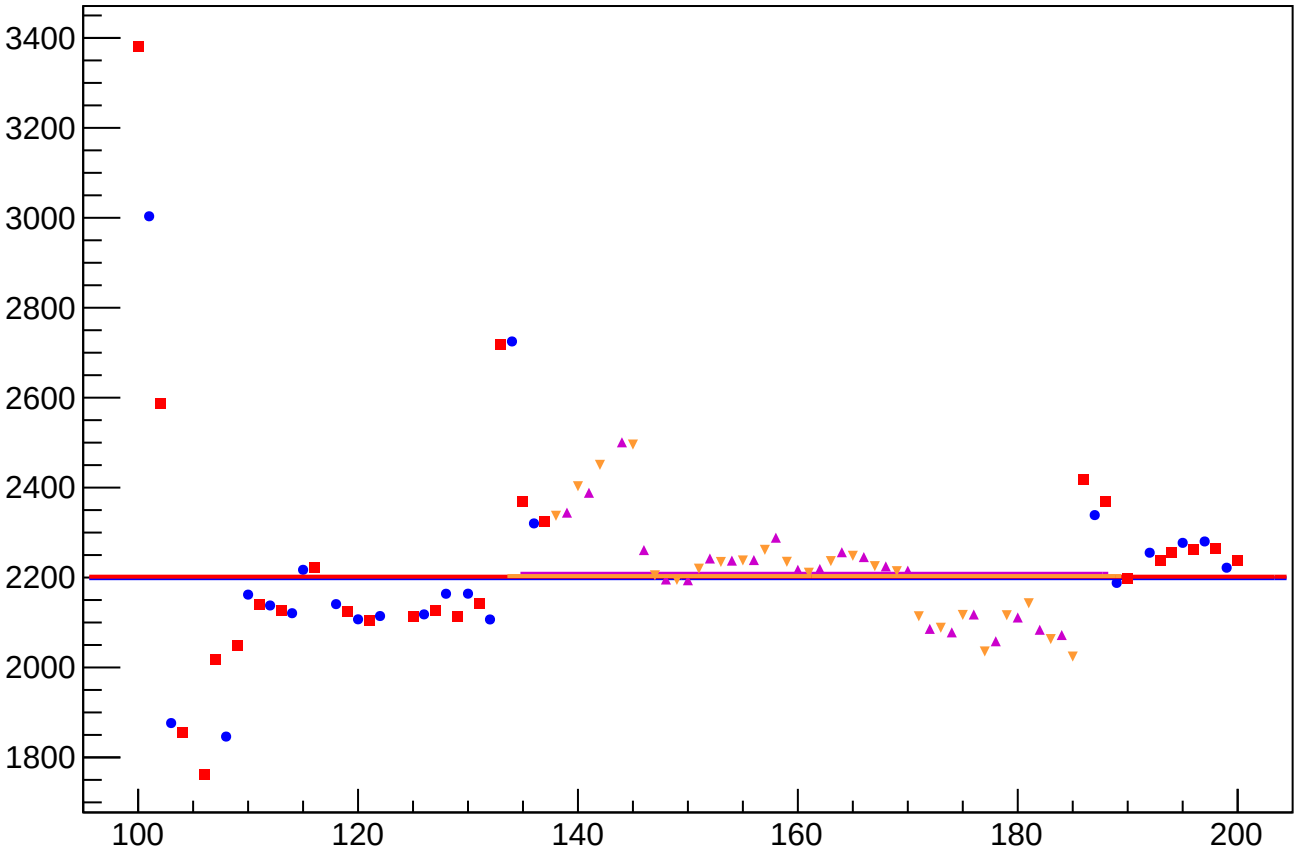
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4409.568+/-445.589 χ^2/NDF: 26.3/47

In: 5144.557+/-404.385 χ^2/NDF:22.1/44

Out: 3098.844+/-392.590 χ^2/NDF:48.7/49

All: 4091.431+/-281.681 χ^2/NDF: 84.0/94



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

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

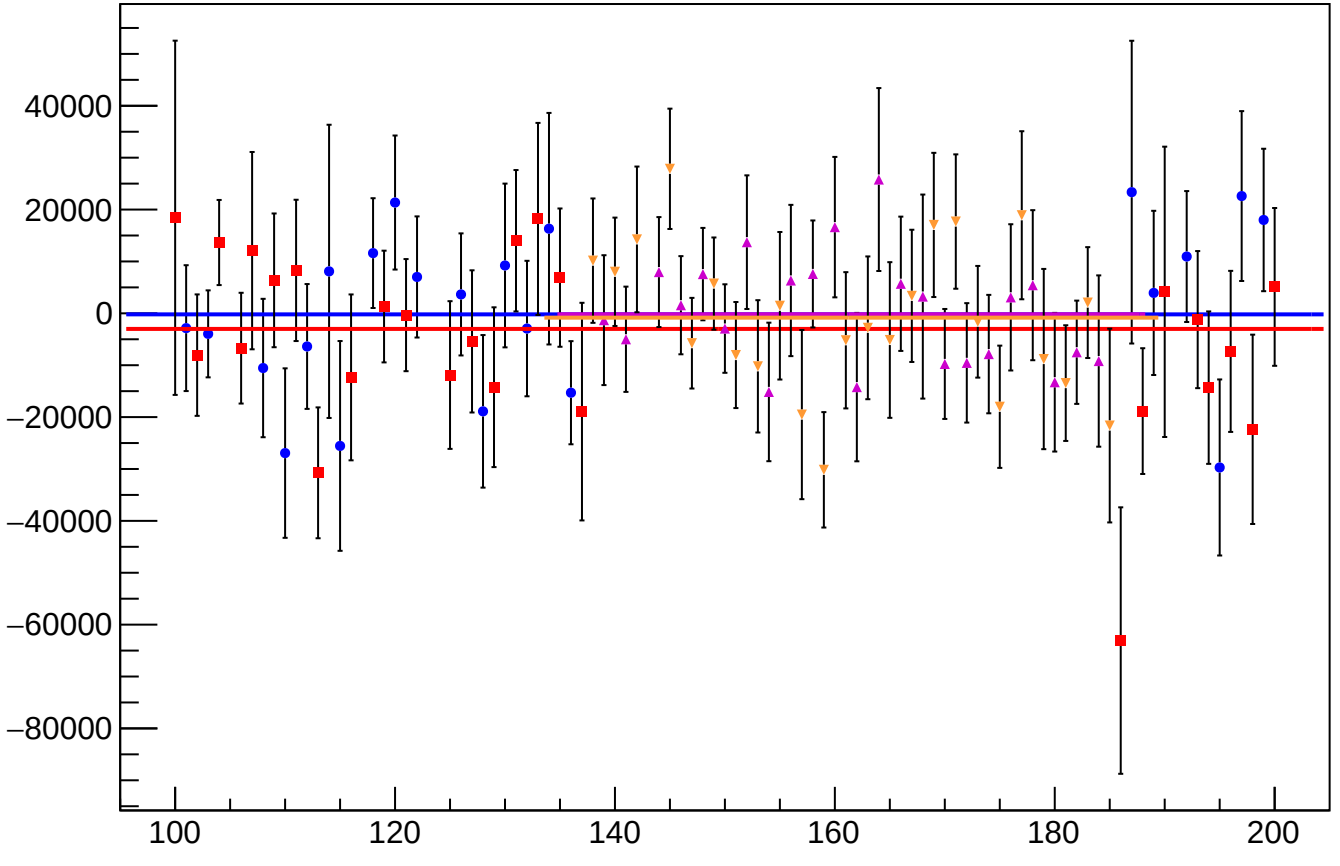
Right: 2200.344+/-0.315 χ^2/NDF: 392942.3/47

In: 2204.589+/-0.286 χ^2/NDF:286686.6/44

Out: 2202.721+/-0.277 χ^2/NDF:275715.5/49

All: 2203.626+/-0.199 χ^2/NDF: 562424.1/94

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

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

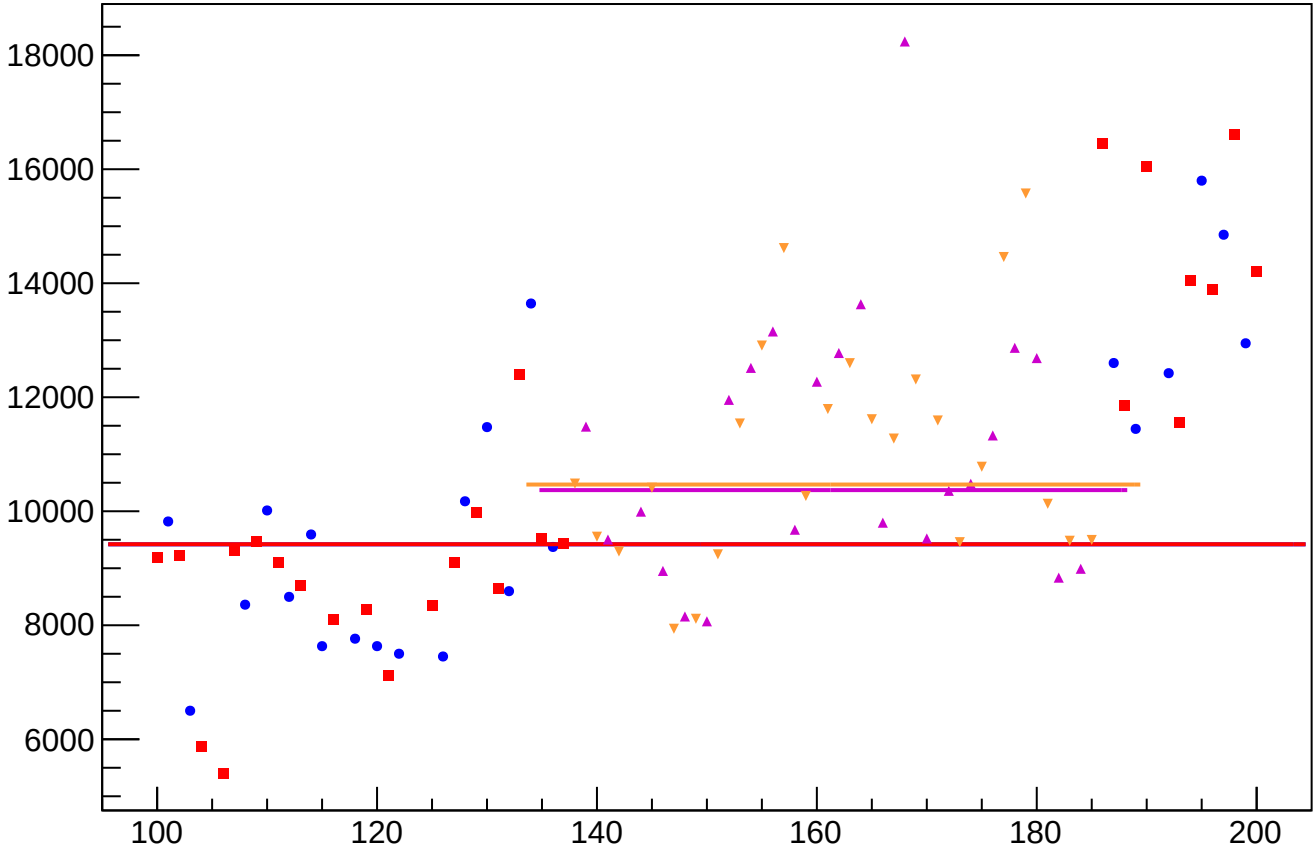
Right: -1680.014+/-1974.078 χ^2/NDF: 49.9/47

In: -189.426+/-1873.664 χ^2/NDF:36.8/44

Out: -1820.583+/-1832.149 χ^2/NDF:56.2/49

All: -1023.276+/-1309.956 χ^2/NDF: 93.4/94

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9419.308+/-2.032 χ^2/NDF: 1408240.5/21

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

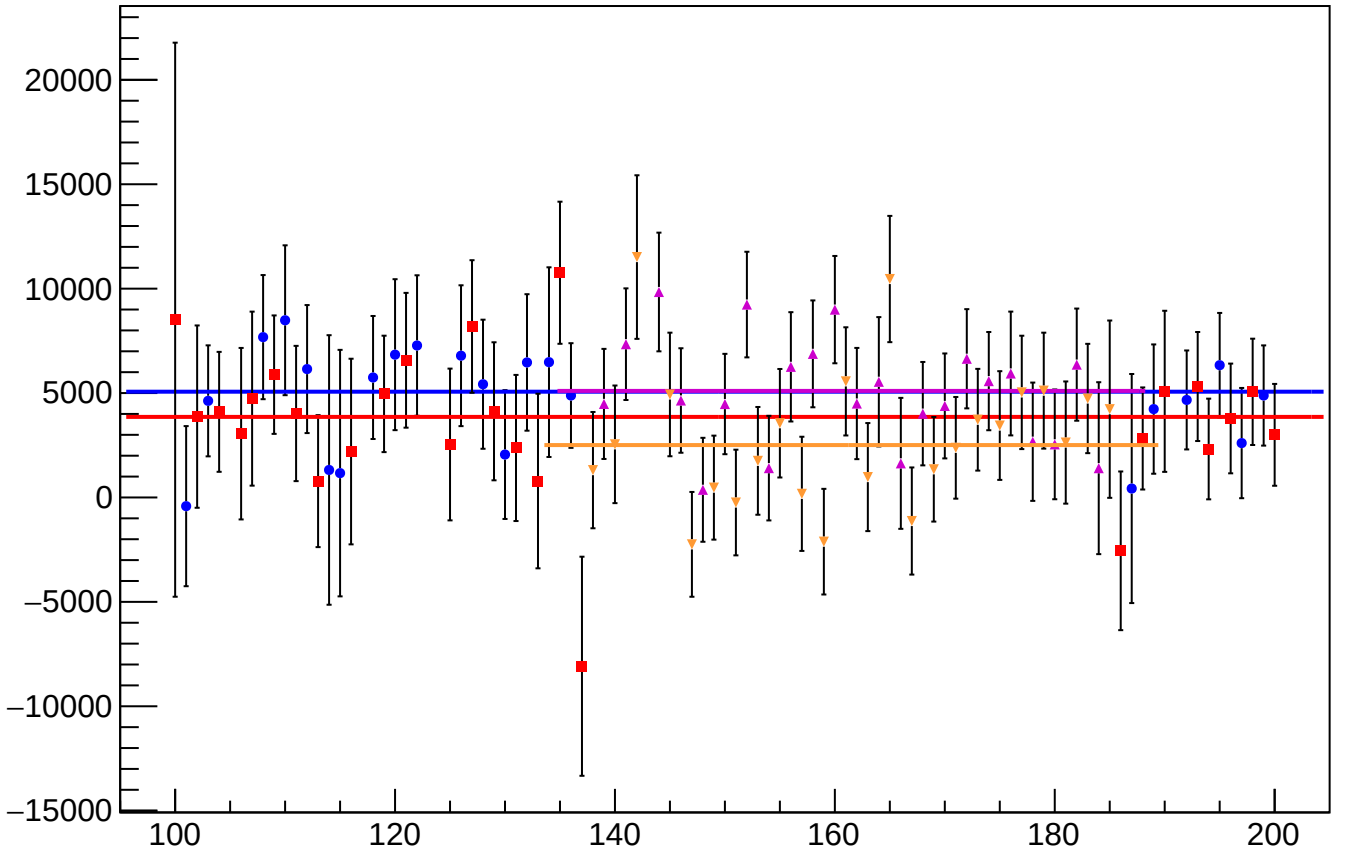
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9420.472+/-1.396 χ^2/NDF: 3541485.8/47

In: 9966.330+/-1.325 χ^2/NDF:2738079.6/44

Out: 9992.357+/-1.296 χ^2/NDF:3340507.1/49

All: 9979.635+/-0.926 χ^2/NDF: 6078784.0/94



Right In: 5065.185+/-669.461 χ^2/NDF: 8.8/21

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

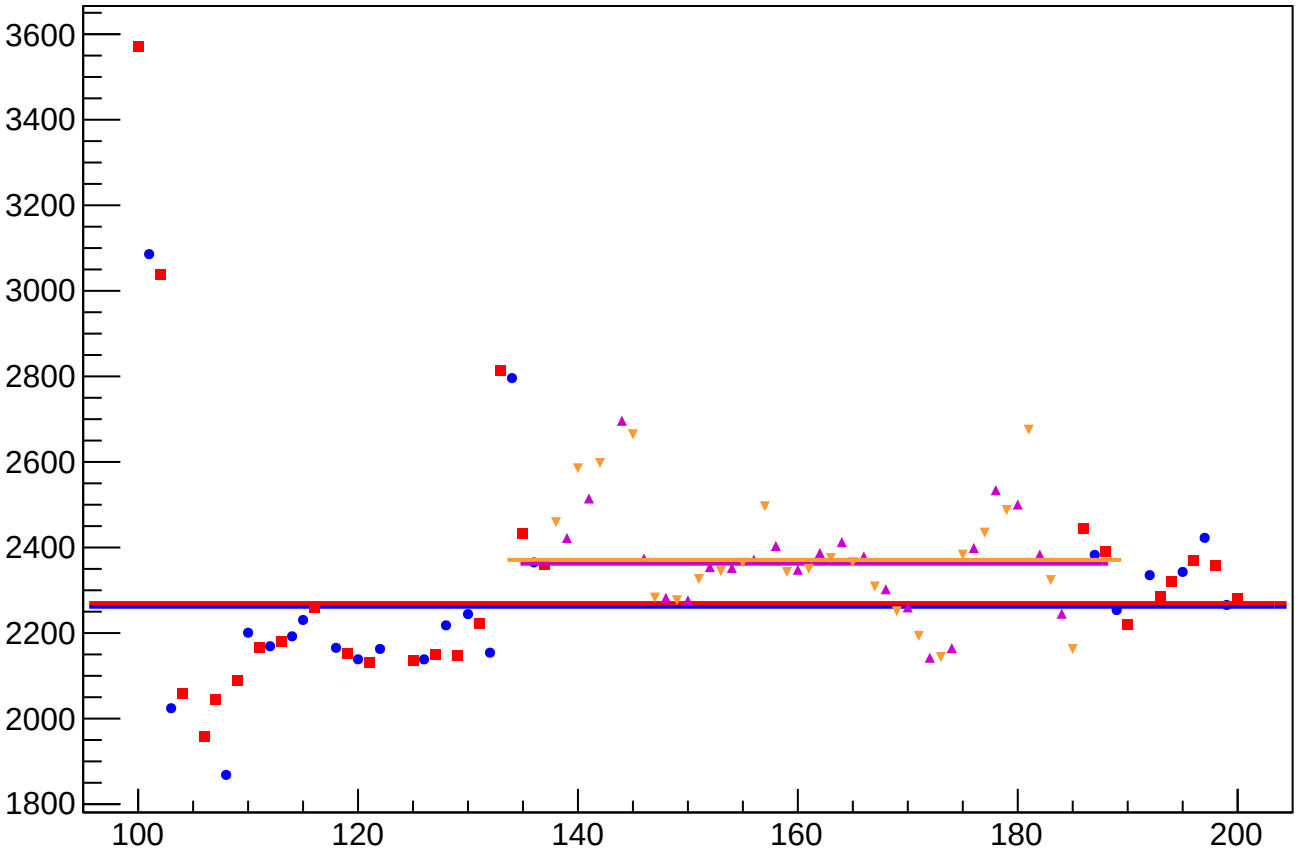
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4426.348+/-459.283 χ^2/NDF: 29.4/47

In: 5087.672+/-426.161 χ^2/NDF:28.7/44

Out: 3093.178+/-415.370 χ^2/NDF:51.3/49

All: 4064.853+/-297.453 χ^2/NDF: 91.2/94



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.1/21

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

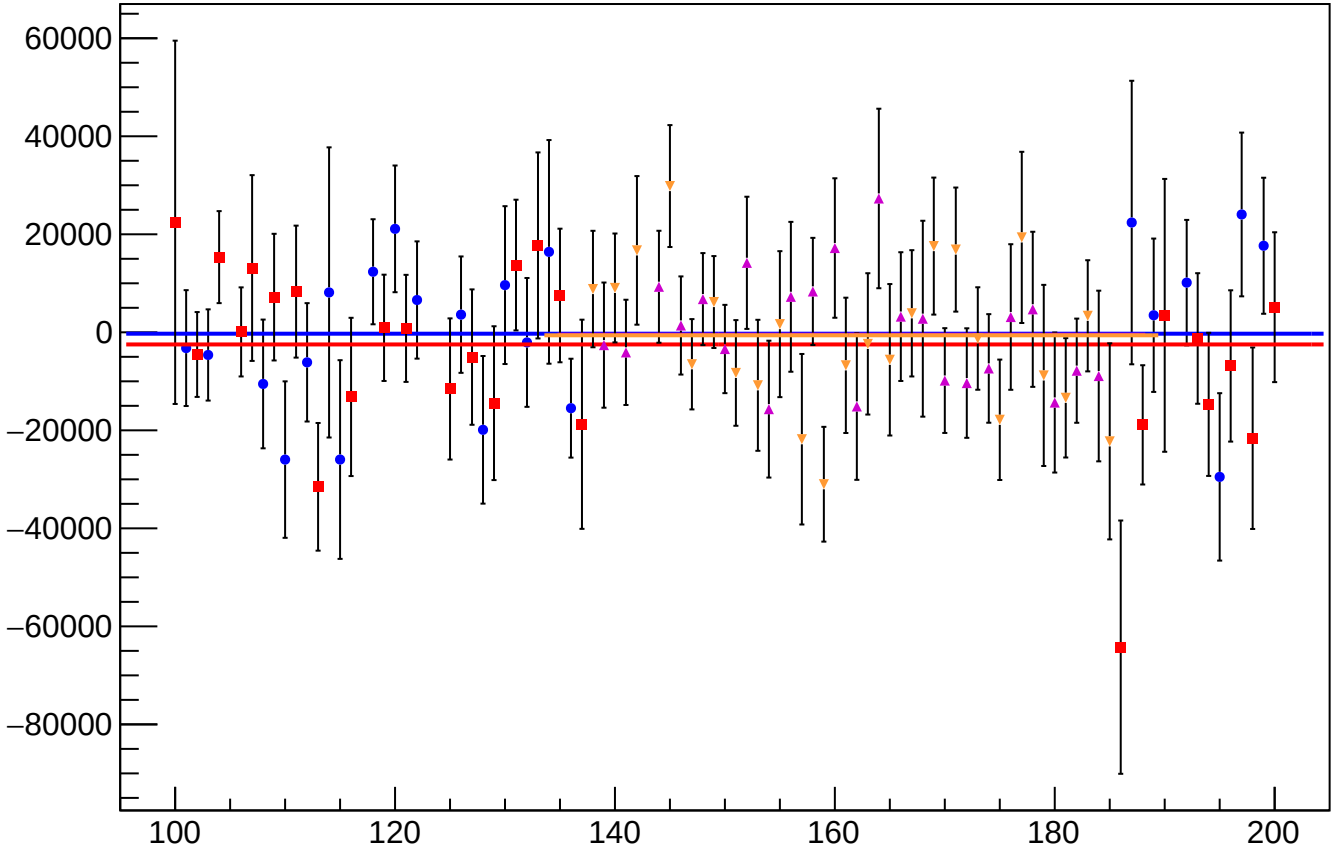
Right: 2266.102+/-0.325 χ^2/NDF: 393558.0/47

In: 2321.429+/-0.301 χ^2/NDF:319886.5/44

Out: 2327.391+/-0.294 χ^2/NDF:337625.0/49

All: 2324.487+/-0.210 χ^2/NDF: 657712.3/94

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -284.064+/-2923.417 χ^2/NDF: 22.9/21

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

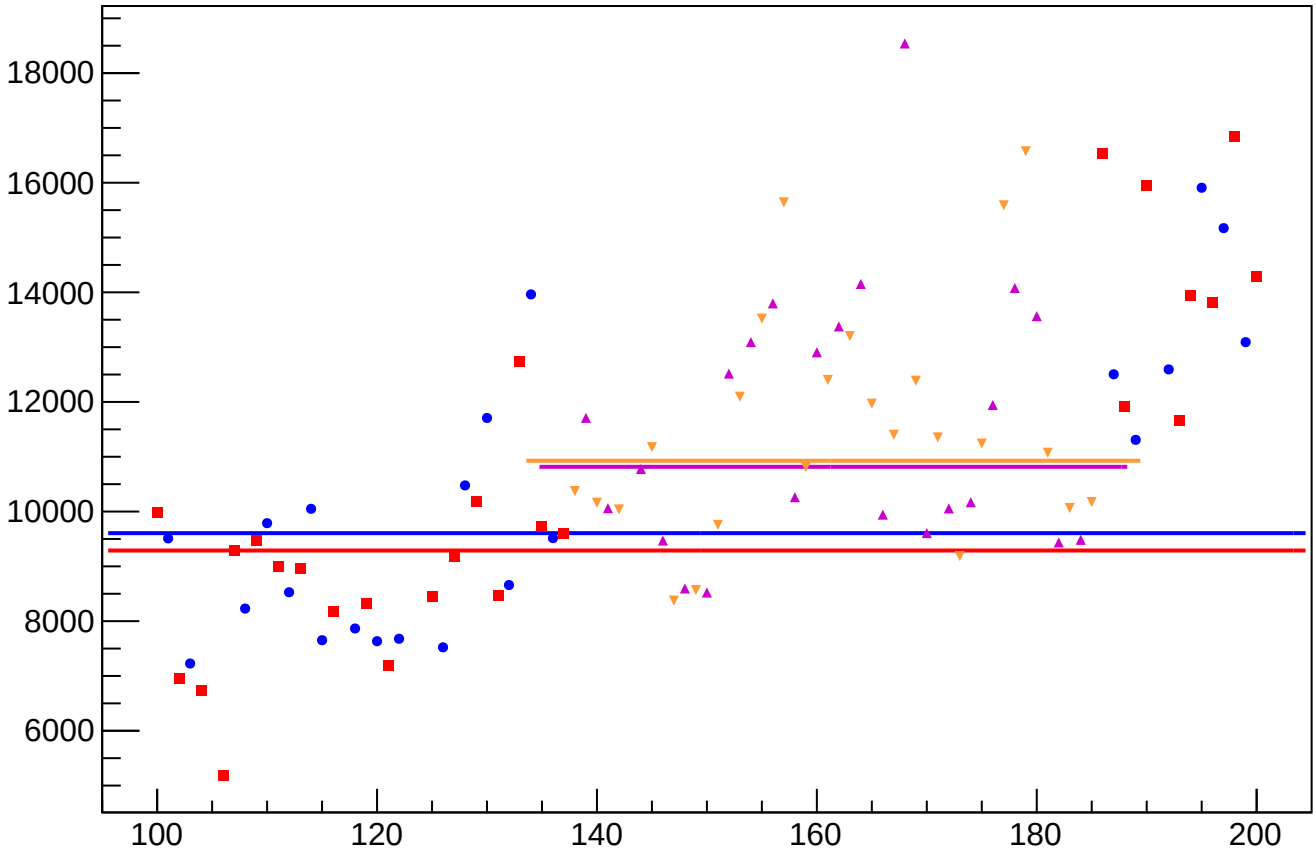
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -1476.910+/-1973.319 χ^2/NDF: 49.3/47

In: -399.967+/-1933.238 χ^2/NDF:36.5/44

Out: -1511.790+/-1860.549 χ^2/NDF:55.2/49

All: -977.173+/-1340.568 χ^2/NDF: 91.8/94



Right In: 9605.946+/-2.067 χ^2/NDF: 1298068.6/21

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9289.270+/-1.891 χ^2/NDF: 2243164.5/25

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

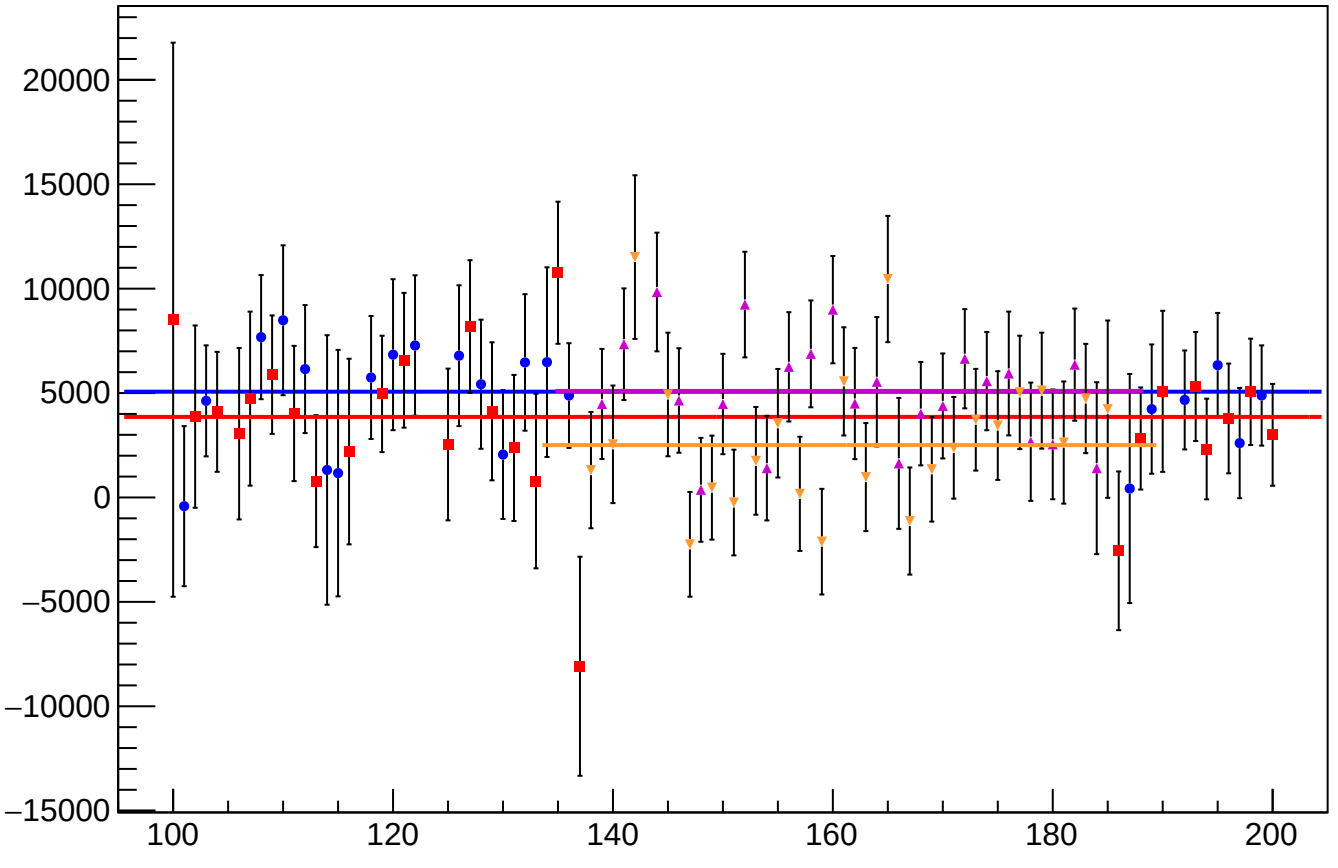
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9433.557+/-1.395 χ^2/NDF: 3554008.5/47

In: 10287.012+/-1.367 χ^2/NDF:2687800.9/44

Out: 10134.383+/-1.316 χ^2/NDF:3687441.0/49

All: 10207.774+/-0.948 χ^2/NDF: 6381713.7/9



Right In: 5065.183+/-669.461 χ^2/NDF: 8.8/21

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

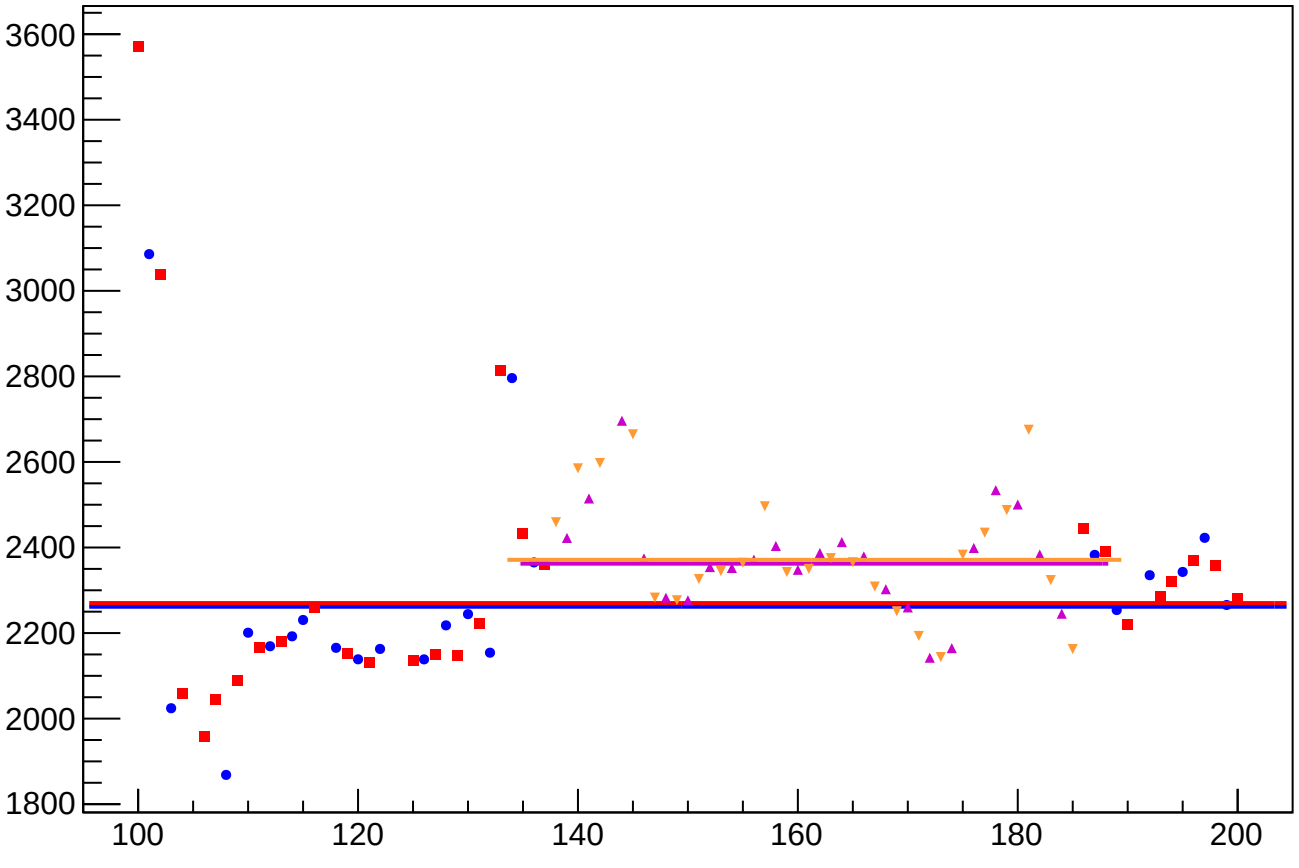
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4426.347+/-459.283 χ^2/NDF: 29.4/47

In: 5087.673+/-426.161 χ^2/NDF:28.7/44

Out: 3093.172+/-415.370 χ^2/NDF:51.3/49

All: 4064.850+/-297.453 χ^2/NDF: 91.2/94



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.5/21

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

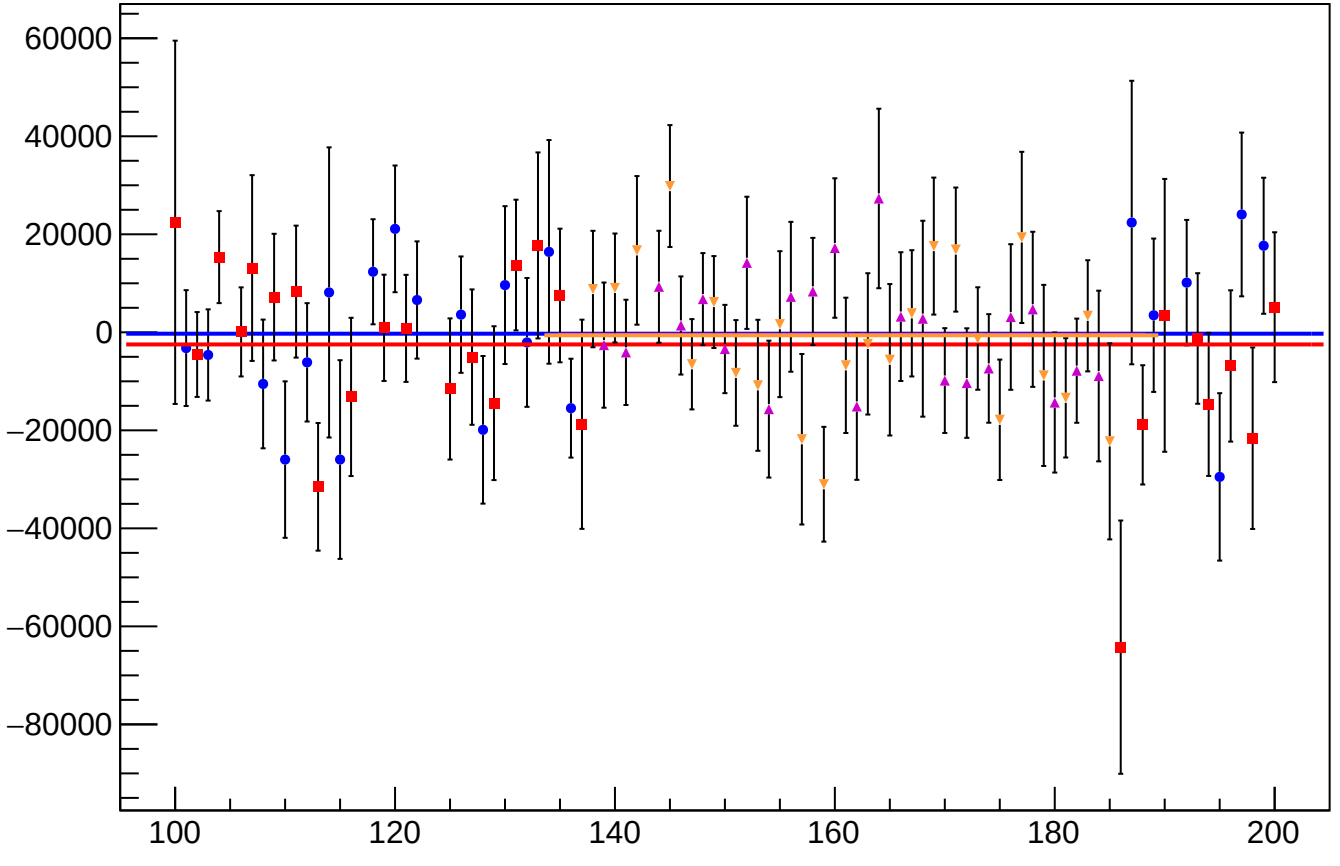
Right: 2266.102+/-0.325 χ^2/NDF: 393558.7/47

In: 2321.431+/-0.301 χ^2/NDF:319893.6/44

Out: 2327.393+/-0.294 χ^2/NDF:337631.5/49

All: 2324.489+/-0.210 χ^2/NDF: 657725.9/94

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -284.054+/-2923.413 χ^2/NDF: 22.9/21

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

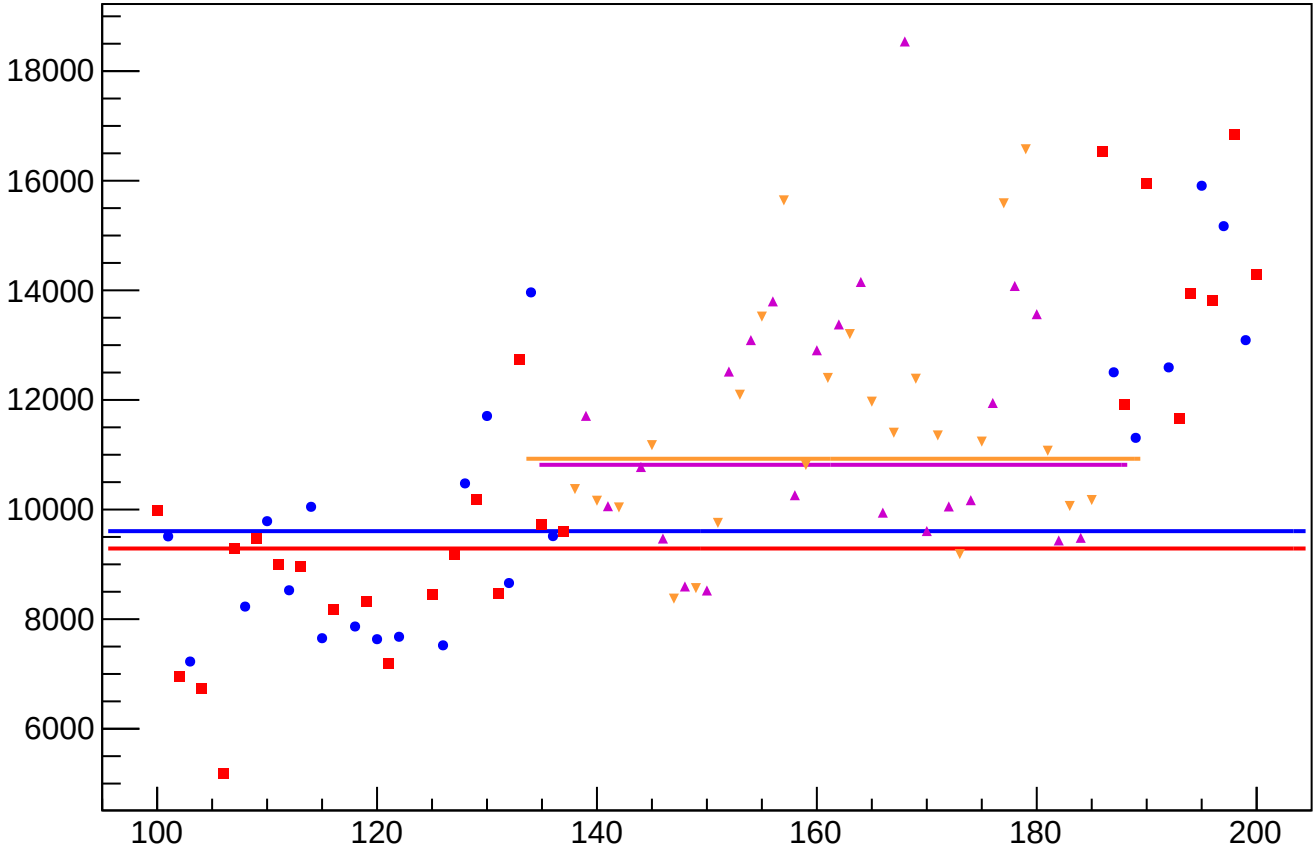
Right: -1476.898+/-1973.316 χ^2/NDF: 49.3/47

In: -399.964+/-1933.238 χ^2/NDF:36.5/44

Out: -1511.790+/-1860.549 χ^2/NDF:55.2/49

All: -977.172+/-1340.568 χ^2/NDF: 91.8/94

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9605.927+/-2.067 χ^2/NDF: 1298084.3/21

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9289.253+/-1.891 χ^2/NDF: 2243178.1/25

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

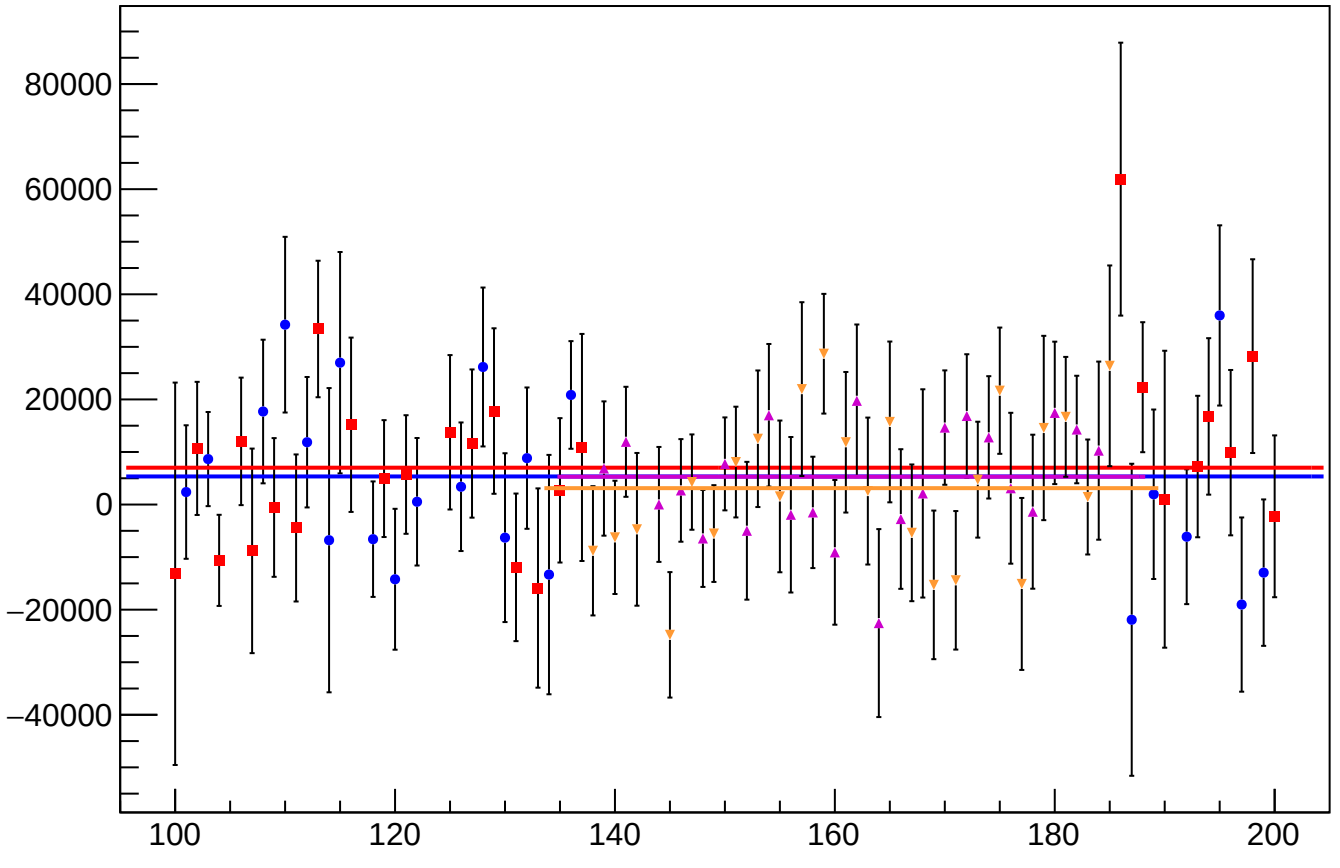
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9433.539+/-1.395 χ^2/NDF: 3554037.6/47

In: 10287.011+/-1.367 χ^2/NDF:2687831.6/44

Out: 10134.381+/-1.316 χ^2/NDF:3687473.4/49

All: 10207.773+/-0.948 χ^2/NDF: 6381776.9/9



Right In: 5345.268+/-2969.688 χ^2/NDF: 23.2/21

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

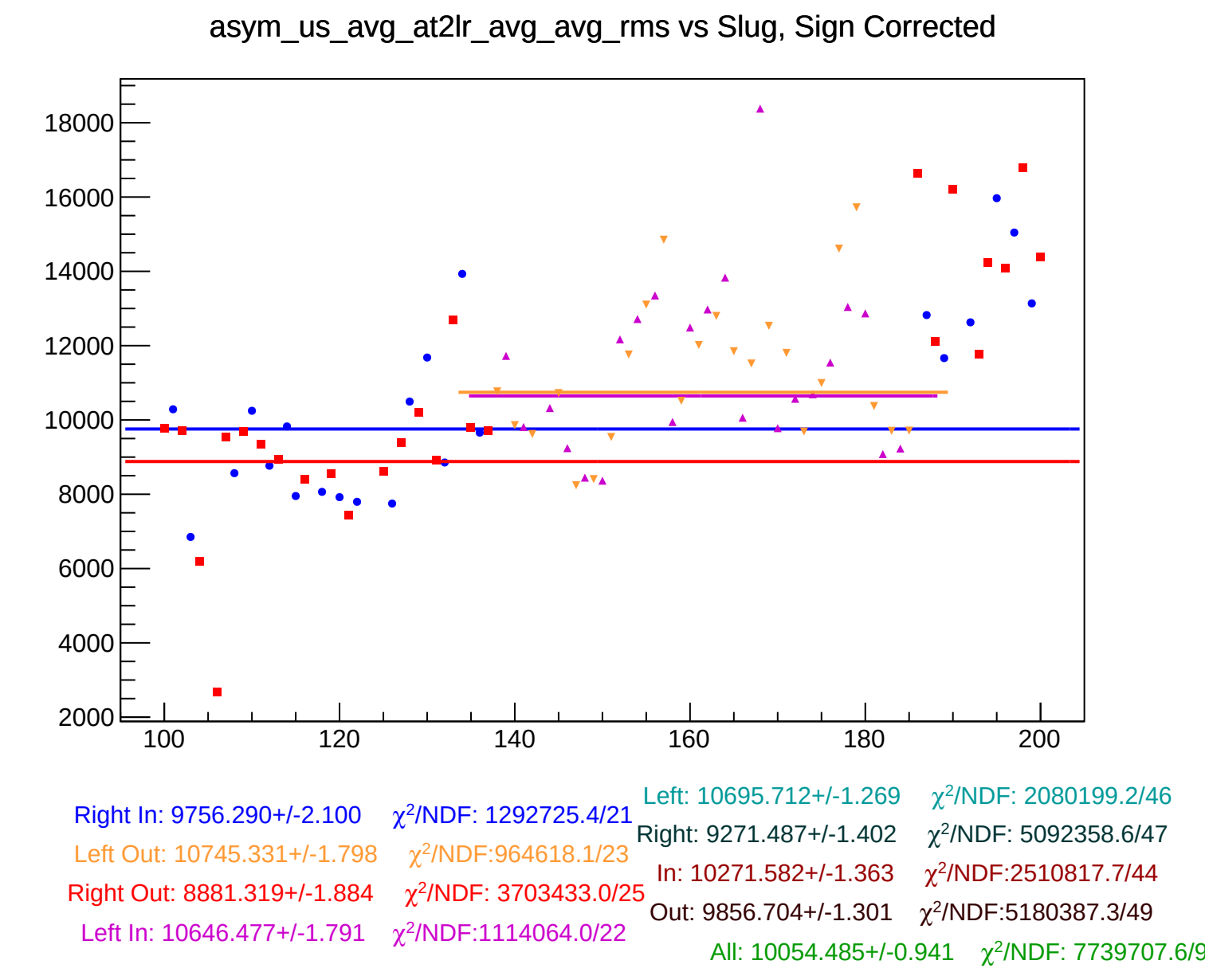
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

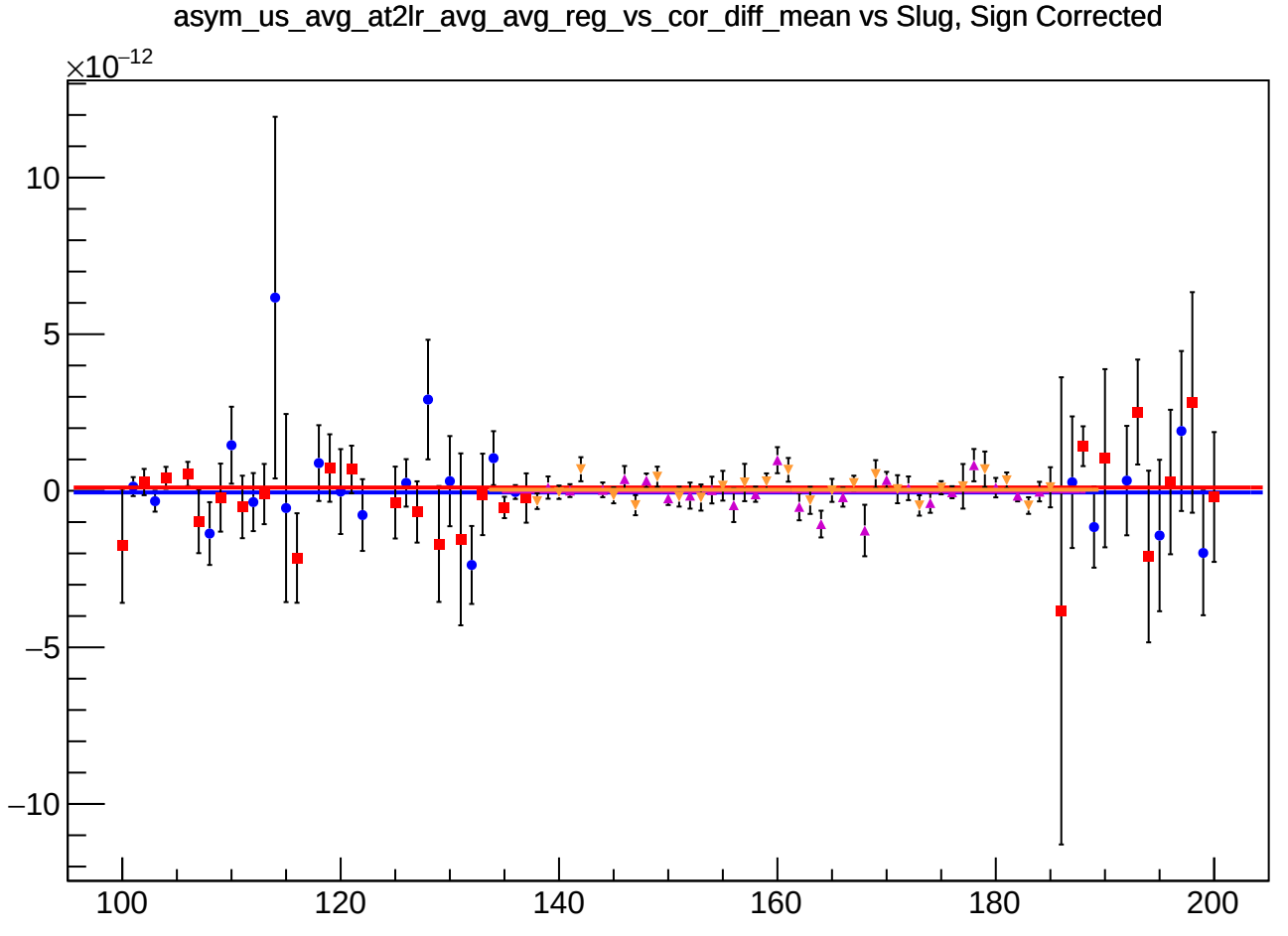
Right: 6221.280+/-2045.455 χ^2/NDF: 46.6/47

In: 5313.691+/-1927.181 χ^2/NDF:36.6/44

Out: 4863.970+/-1888.899 χ^2/NDF:51.7/49

All: 5084.319+/-1348.984 χ^2/NDF: 88.3/94


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9756.290+/-2.100 χ²/NDF: 1292725.4/21
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 8881.319+/-1.884 χ²/NDF: 3703433.0/25
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9271.487+/-1.402 χ²/NDF: 5092358.6/47
In: 10271.582+/-1.363 χ²/NDF:2510817.7/44
Out: 9856.704+/-1.301 χ²/NDF:5180387.3/49
All: 10054.485+/-0.941 χ²/NDF: 7739707.6/9



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/21

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

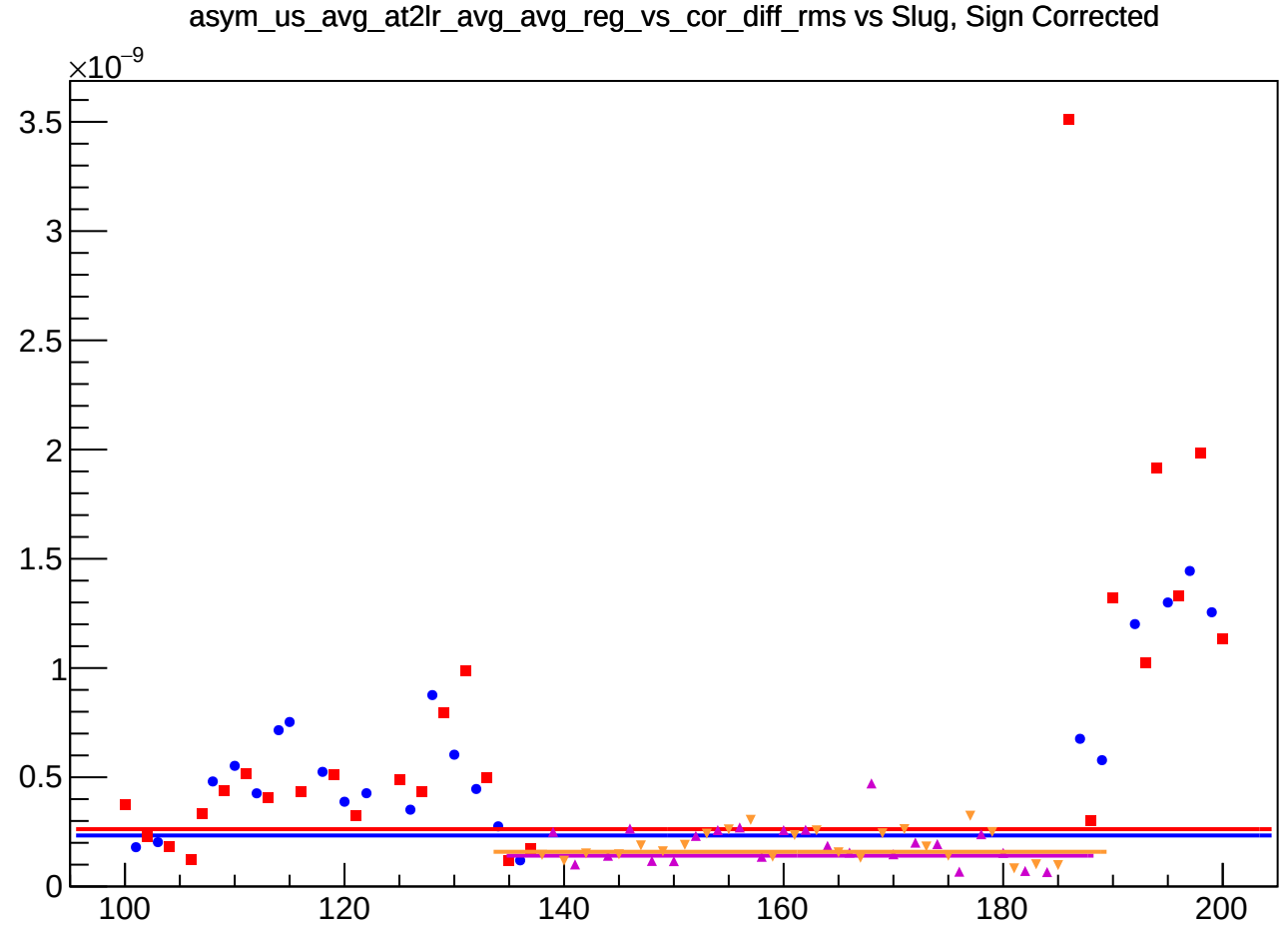
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 39.7/47

In: -0.000+/-0.000 χ^2/NDF:44.9/44

Out: 0.000+/-0.000 χ^2/NDF:48.6/49

All: 0.000+/-0.000 χ^2/NDF: 94.3/94



Right In: 0.000+/-0.000 χ^2/NDF: 3903621.5/21

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

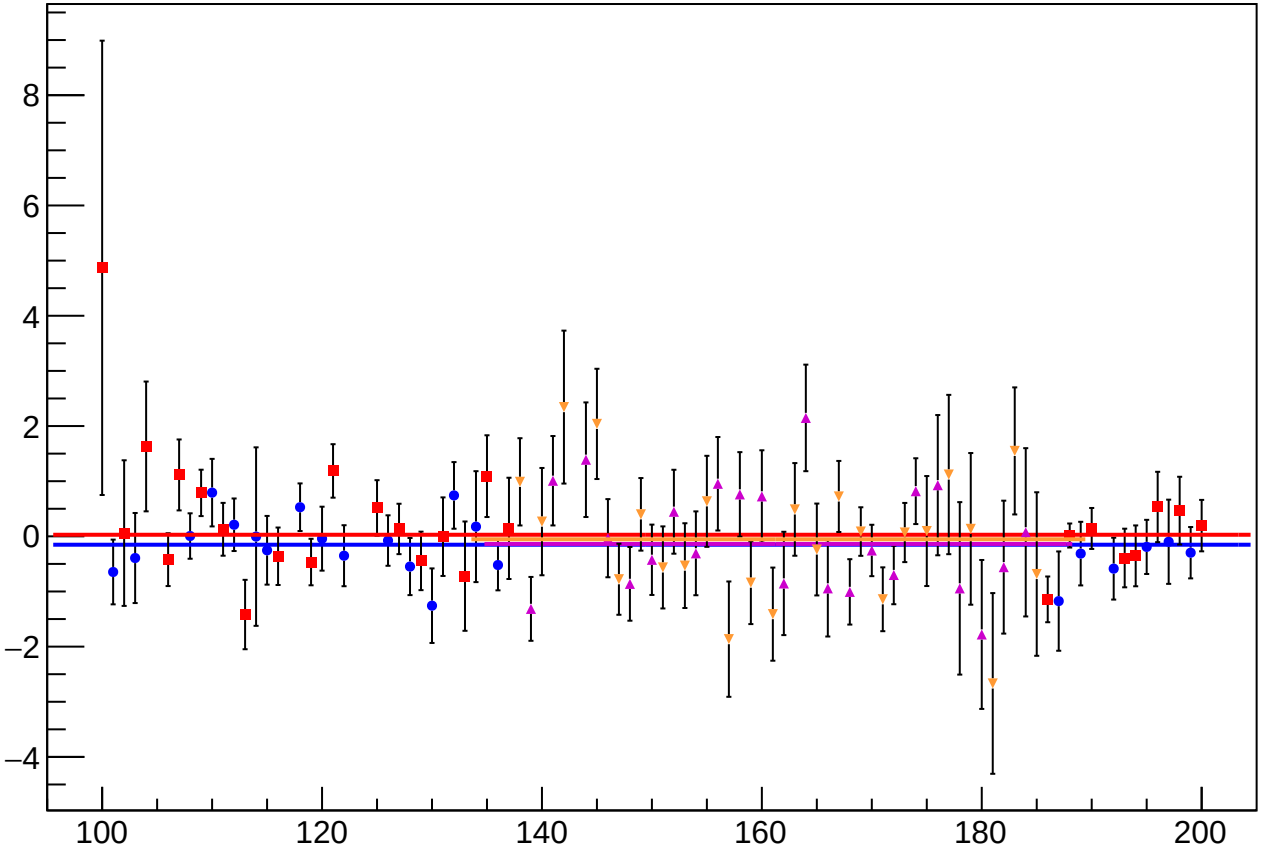
Right: 0.000+/-0.000 χ^2/NDF: 8653554.3/47

In: 0.000+/-0.000 χ^2/NDF:7037666.4/44

Out: 0.000+/-0.000 χ^2/NDF:6807806.1/49

All: 0.000+/-0.000 χ^2/NDF: 13958362.9/94

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

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

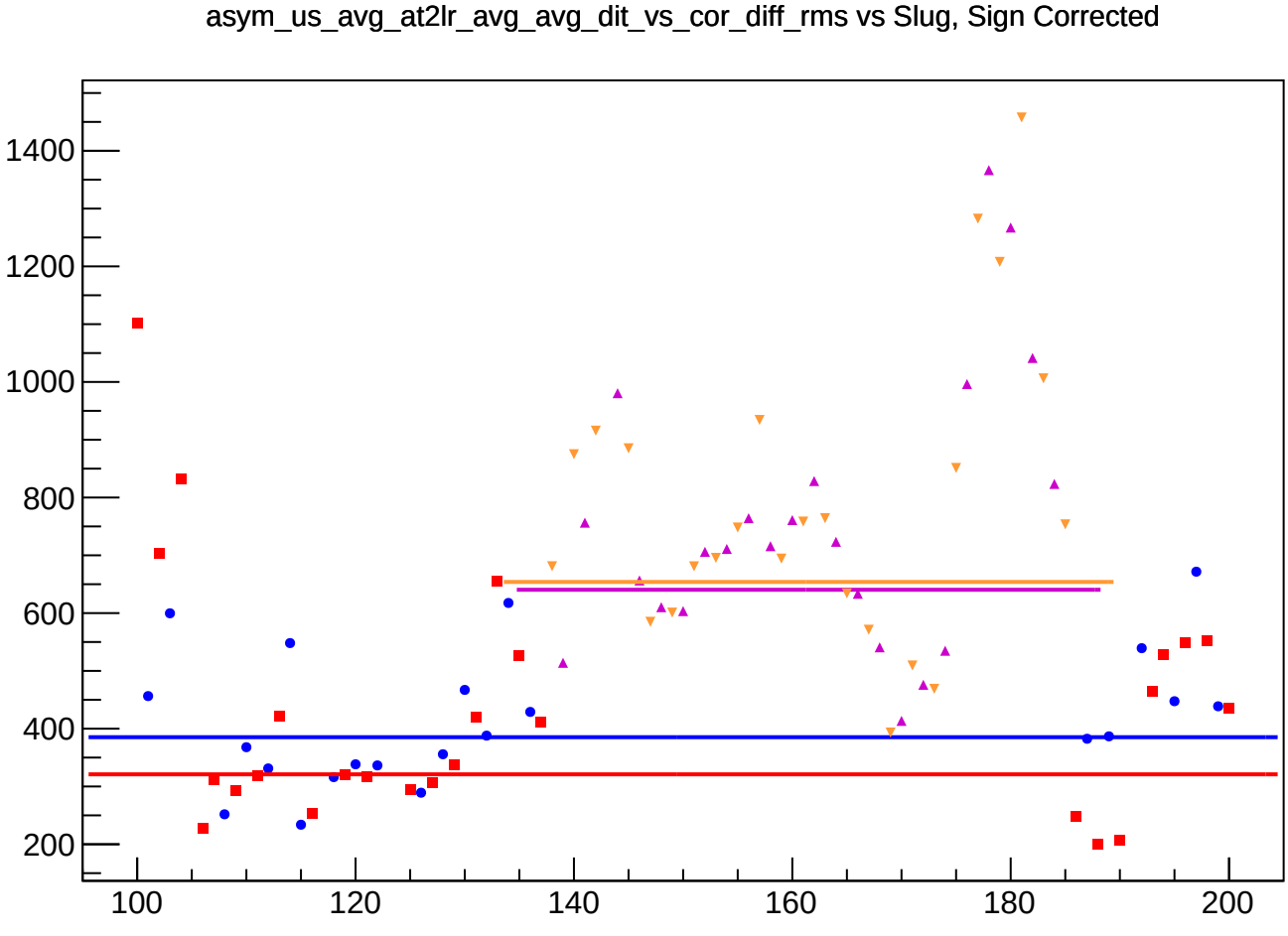
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.044+/-0.076 χ^2/NDF: 54.3/47

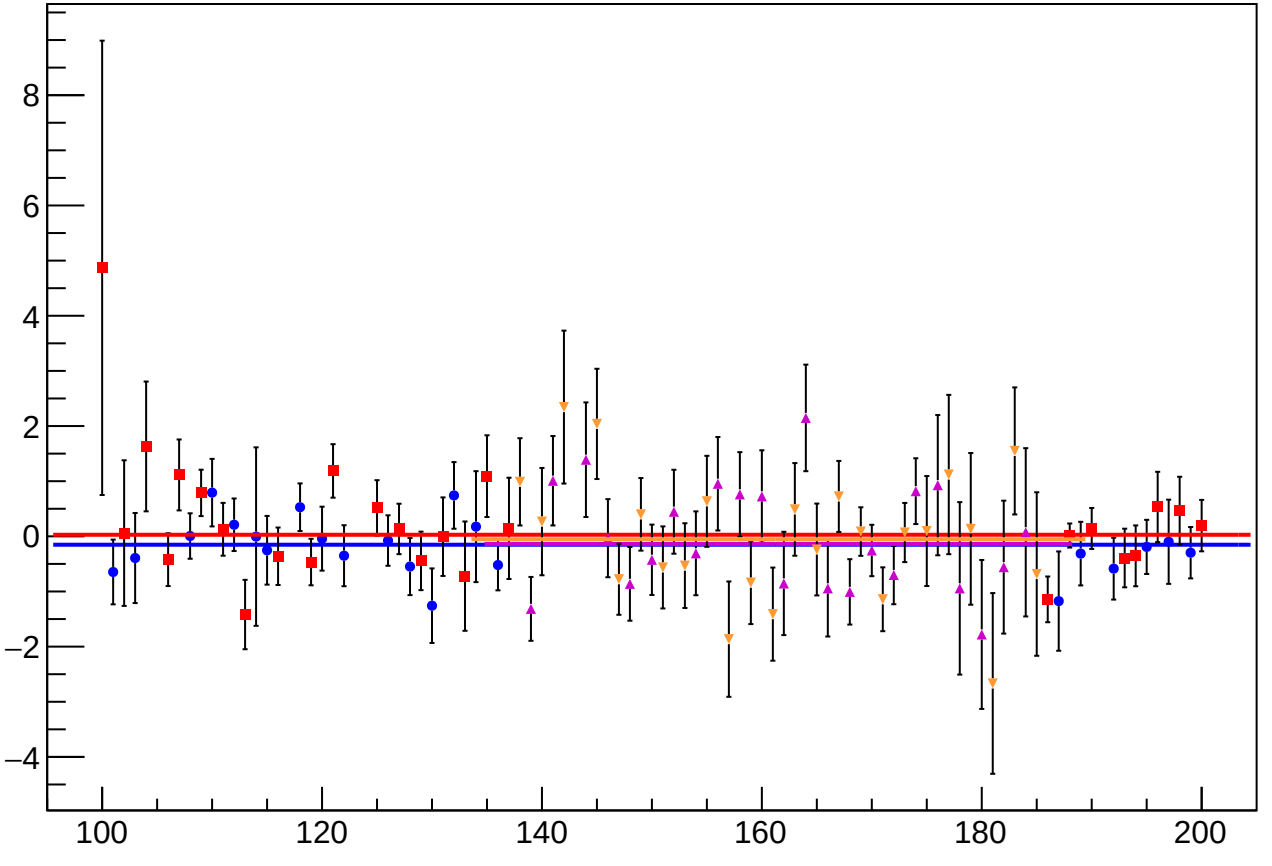
In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.060+/-0.063 χ^2/NDF: 114.7/94


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: 385.284+/-0.085 χ²/NDF: 1362299.9/21
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: 346.771+/-0.054 χ²/NDF: 4894801.8/47
In: 479.101+/-0.068 χ²/NDF:7312370.4/44
Out: 411.363+/-0.059 χ²/NDF:12521037.4/49
All: 440.845+/-0.045 χ²/NDF: 20398905.4/94

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

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

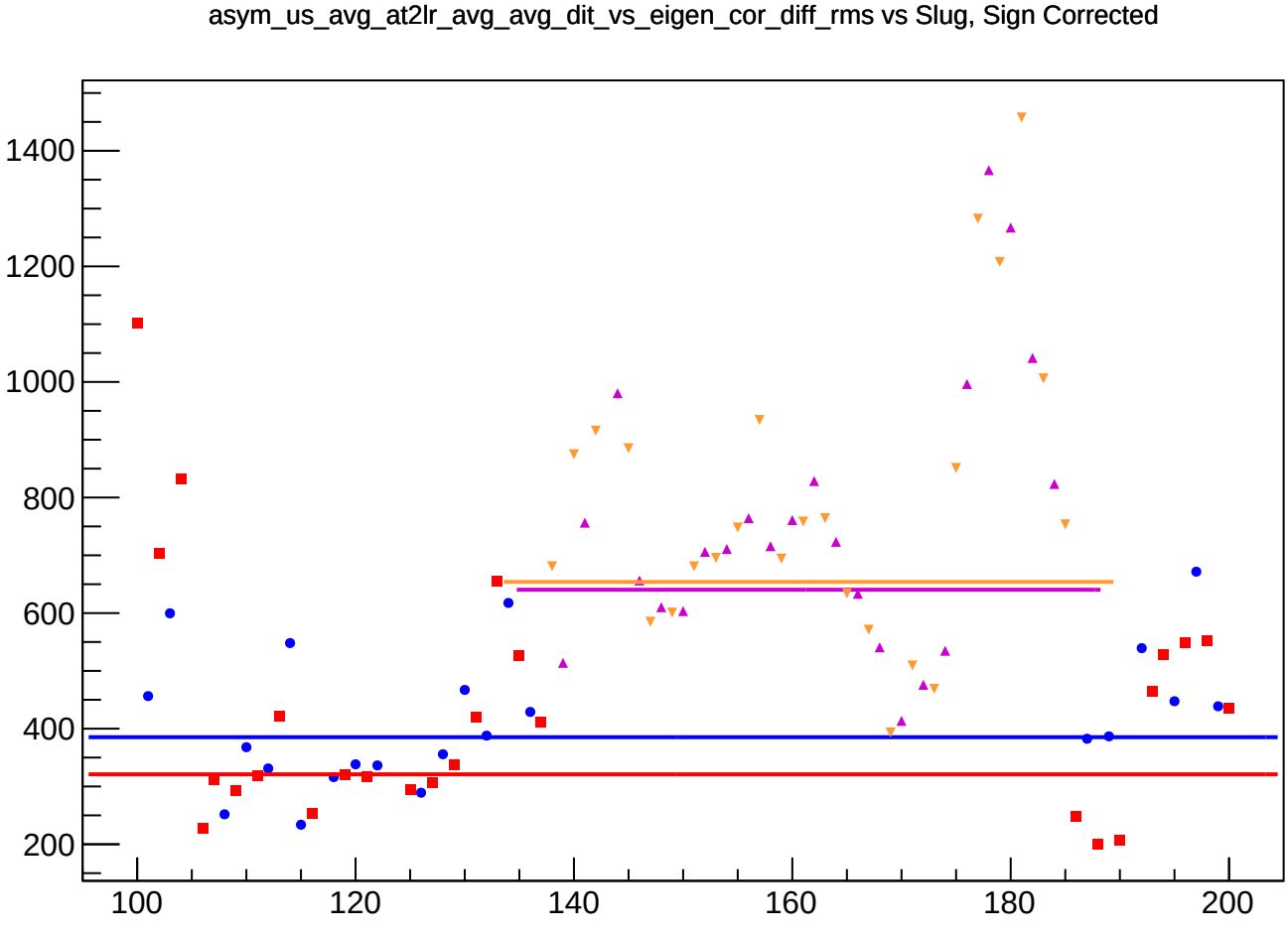
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.044+/-0.076 χ^2/NDF: 54.3/47

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.060+/-0.063 χ^2/NDF: 114.7/94



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

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

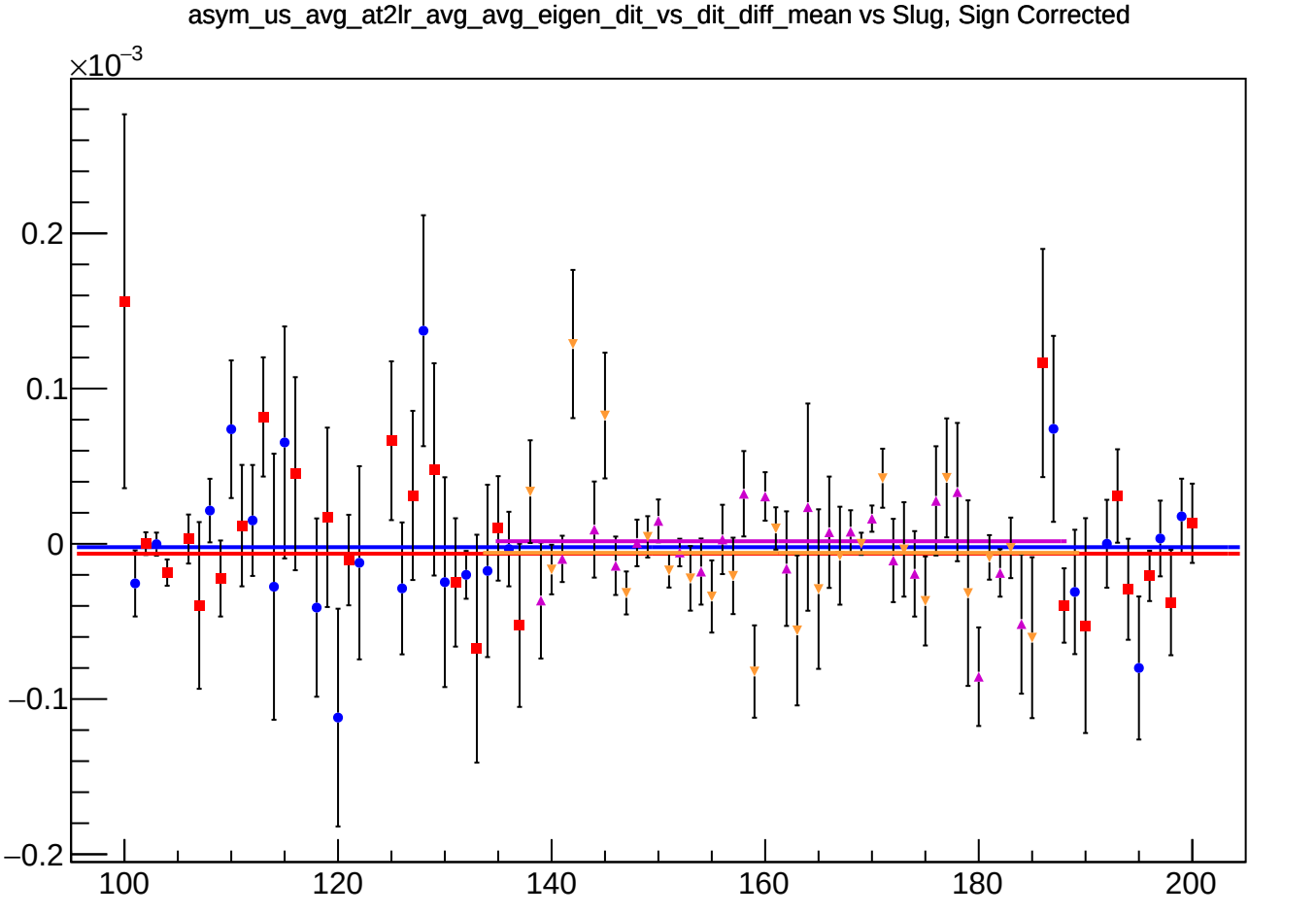
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 346.771+/-0.054 χ^2/NDF: 4894801.8/47

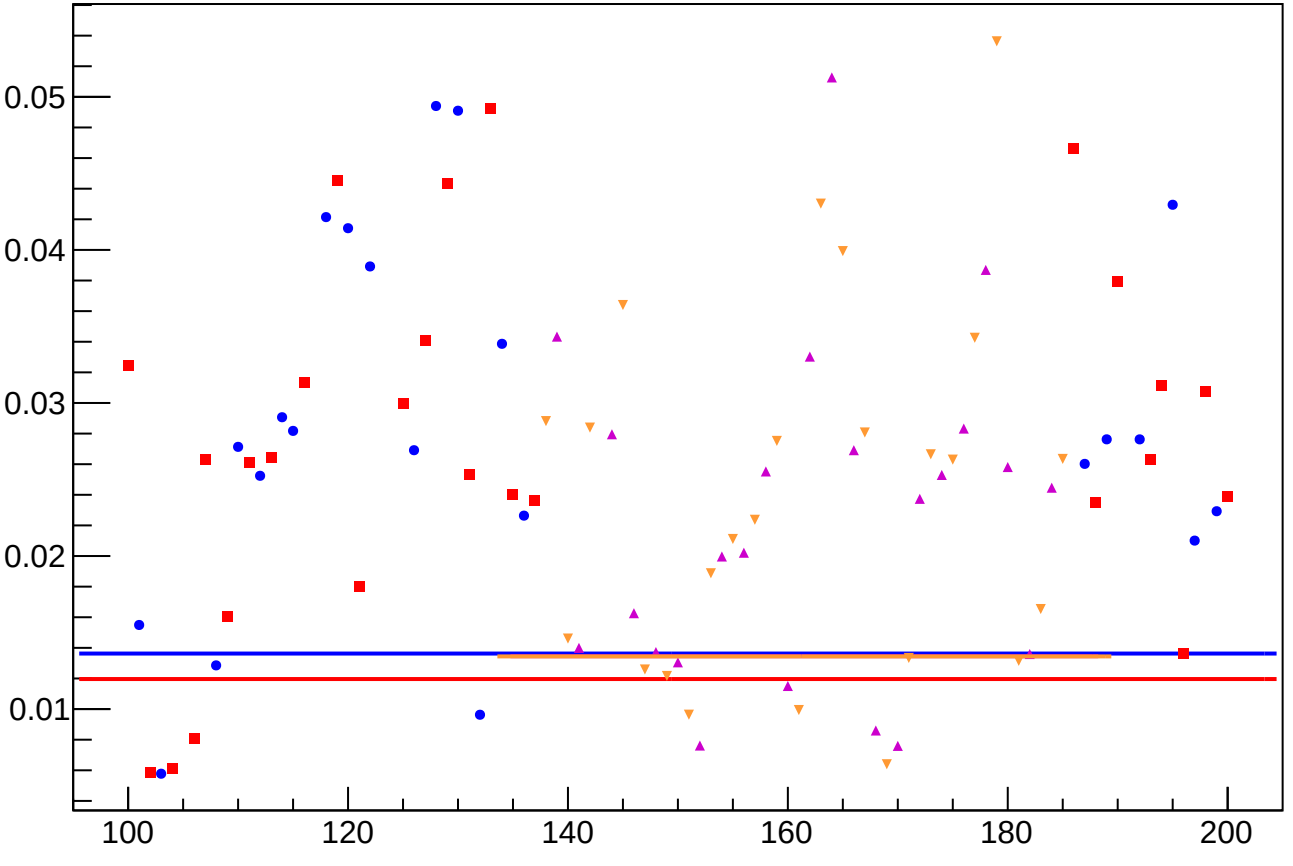
In: 479.101+/-0.068 χ^2/NDF:7312370.4/44

Out: 411.363+/-0.059 χ^2/NDF:12521037.4/49

All: 440.845+/-0.045 χ^2/NDF: 20398905.4/94


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.8/21
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.7/25
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: -0.000+/-0.000 χ²/NDF: 47.8/47
In: 0.000+/-0.000 χ²/NDF:46.7/44
Out: -0.000+/-0.000 χ²/NDF:69.3/49
All: -0.000+/-0.000 χ²/NDF: 118.4/94

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: 7921870.4/21

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

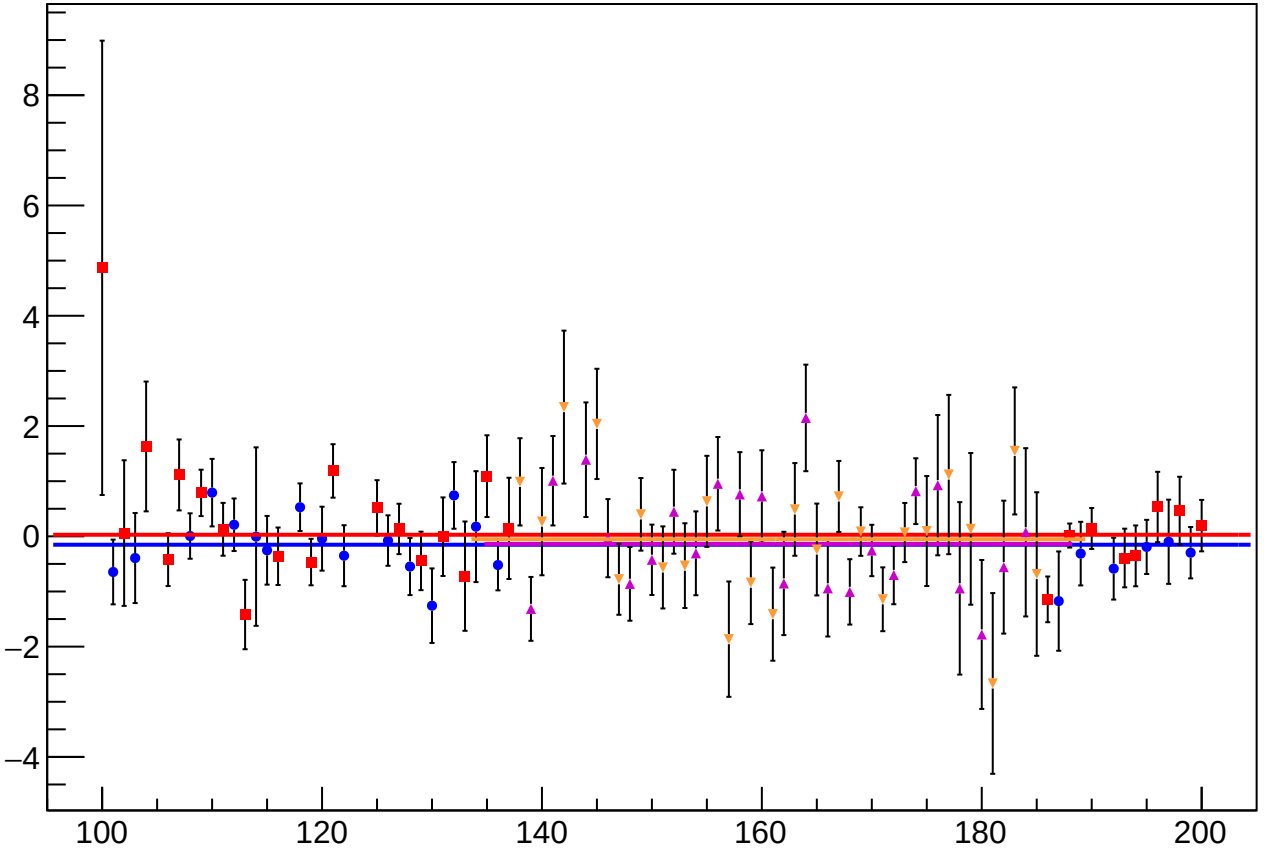
Right: 0.013+/-0.000 χ^2/NDF: 17754549.5/47

In: 0.014+/-0.000 χ^2/NDF:15471621.7/44

Out: 0.013+/-0.000 χ^2/NDF:18700712.3/49

All: 0.013+/-0.000 χ^2/NDF: 34232408.0/94

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

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

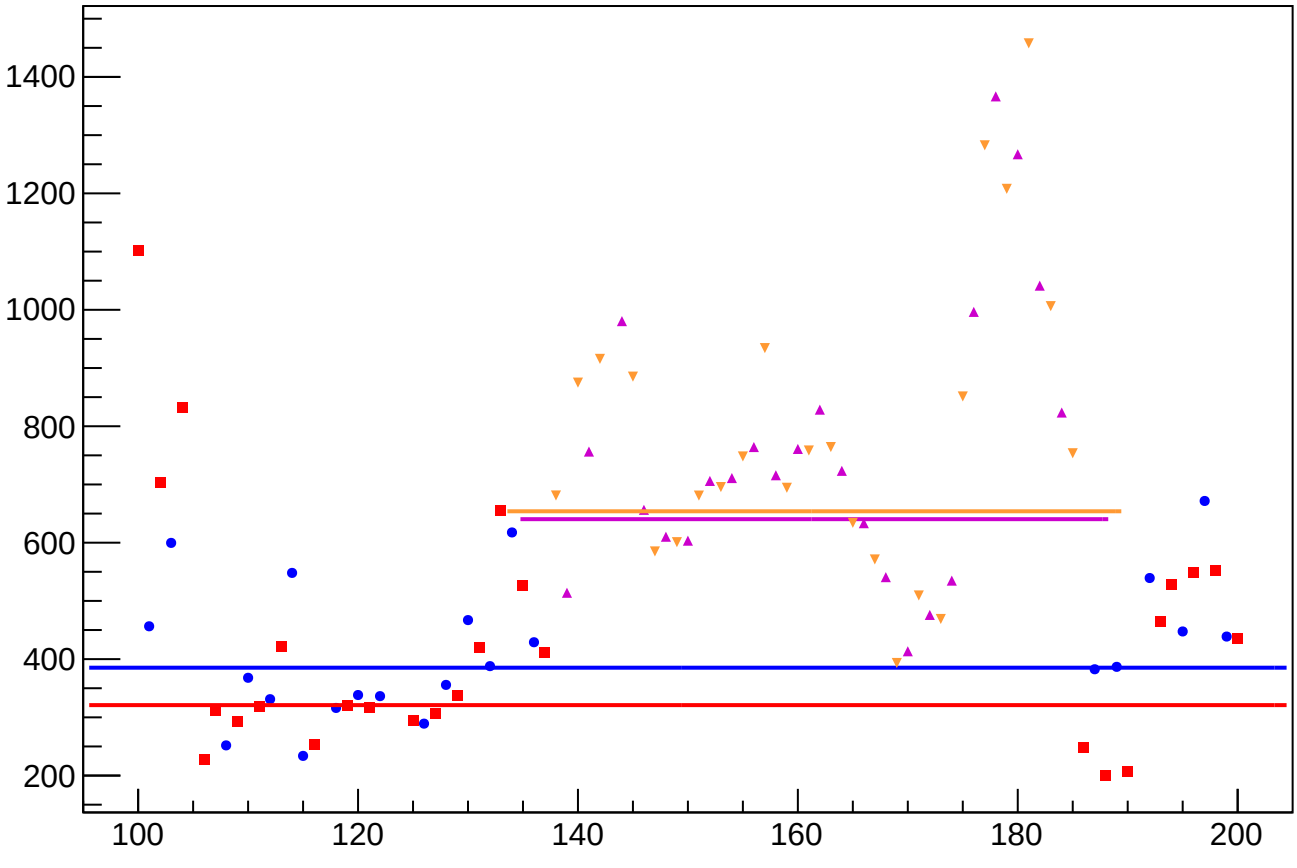
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.044+/-0.076 χ^2/NDF: 54.3/47

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.060+/-0.063 χ^2/NDF: 114.7/94



Right In: 385.284+/-0.085 χ^2/NDF: 1362270.6/21

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

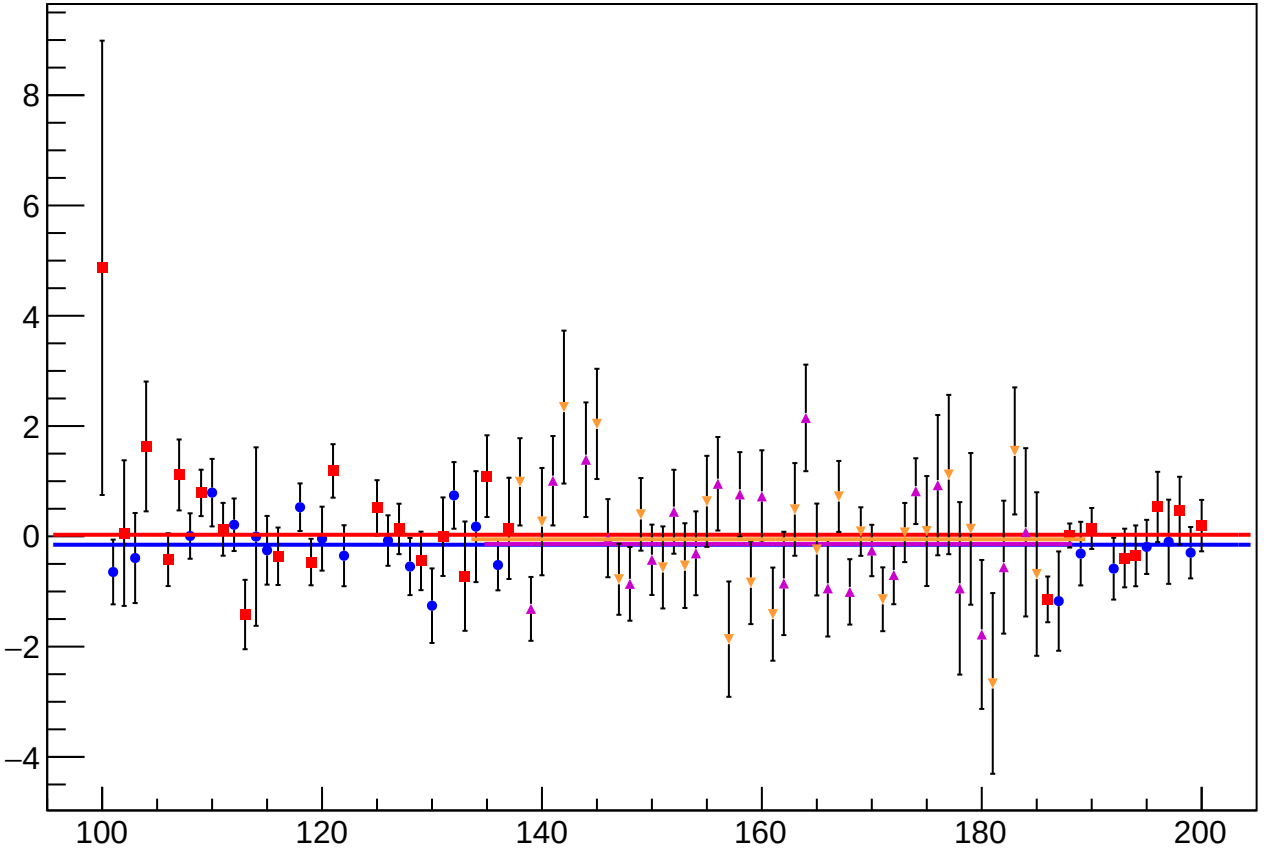
Right: 346.766+/-0.054 χ^2/NDF: 4895011.9/47

In: 479.101+/-0.068 χ^2/NDF:7312559.9/44

Out: 411.356+/-0.059 χ^2/NDF:12521690.1/49

All: 440.841+/-0.045 χ^2/NDF: 20399856.2/94

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

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

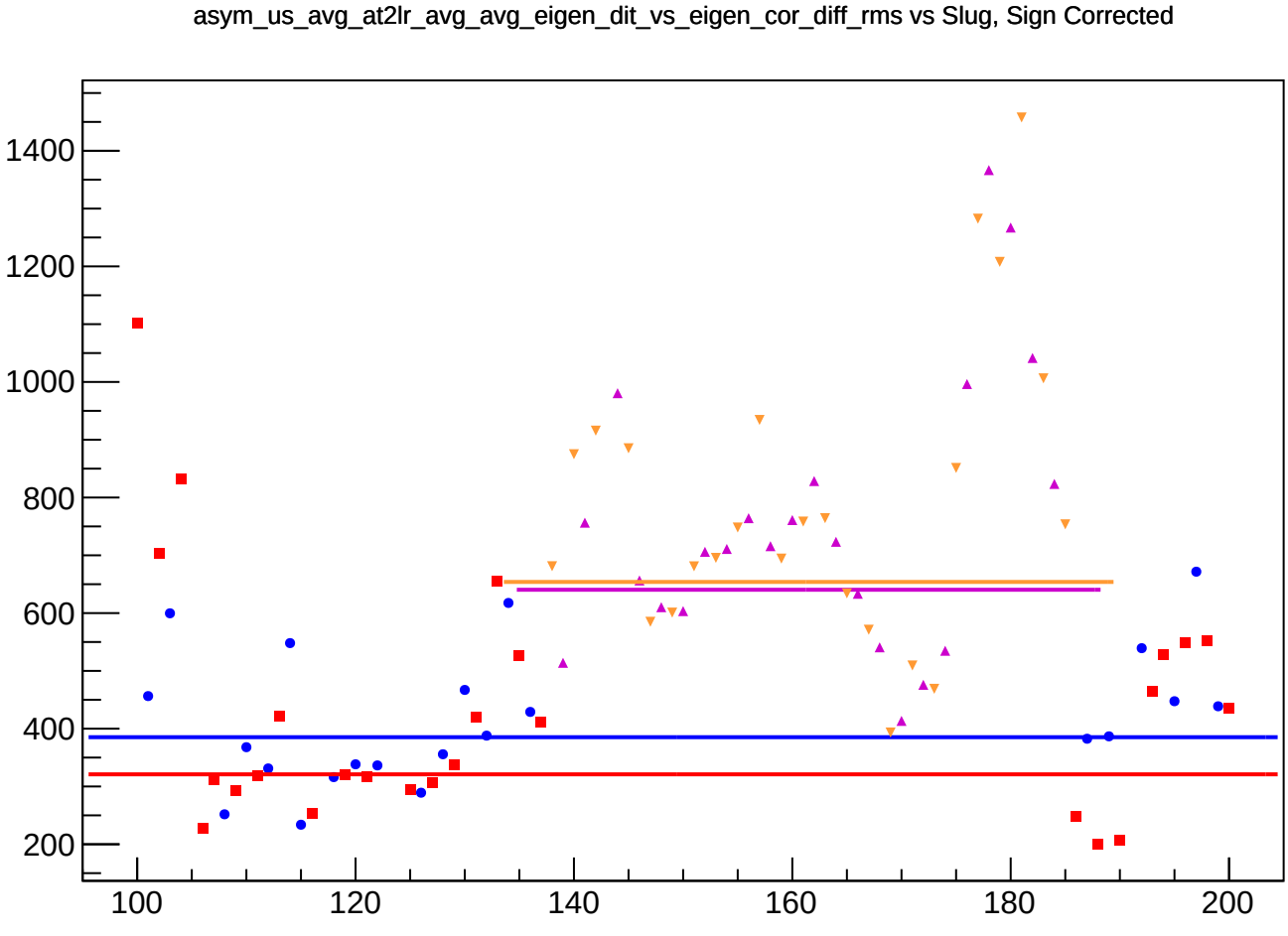
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.044+/-0.076 χ^2/NDF: 54.3/47

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.006+/-0.084 χ^2/NDF:68.4/49

All: -0.060+/-0.063 χ^2/NDF: 114.7/94


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1400
1200
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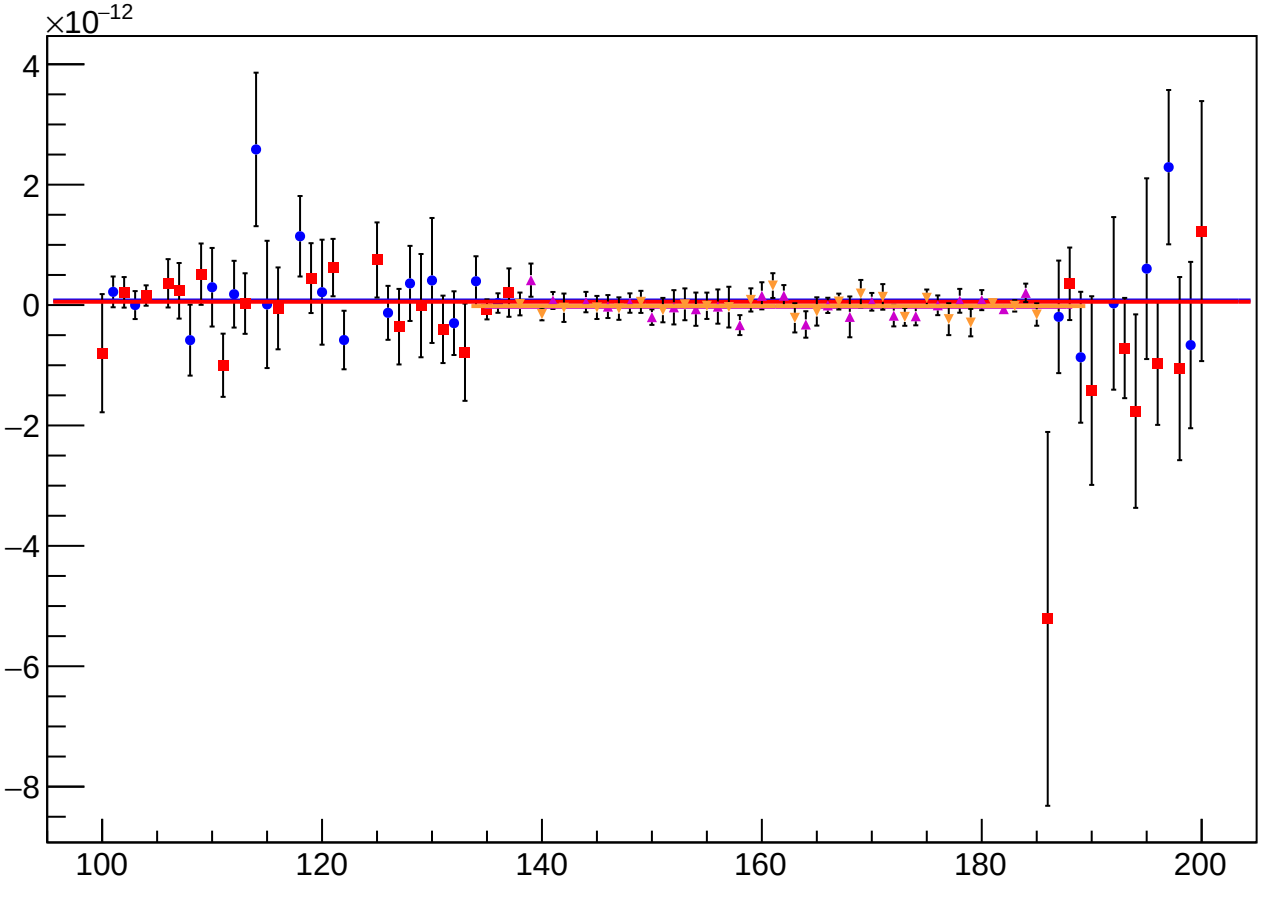
400
200
100
120
140
160
180
200
Right In: 385.284+/-0.085 χ²/NDF: 1362270.6/21
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 321.009+/-0.070 χ²/NDF: 3191165.3/25
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 346.766+/-0.054 χ²/NDF: 4895011.9/47
In: 479.101+/-0.068 χ²/NDF:7312559.9/44
Out: 411.356+/-0.059 χ²/NDF:12521690.1/49
All: 440.841+/-0.045 χ²/NDF: 20399856.2/94

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/25

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

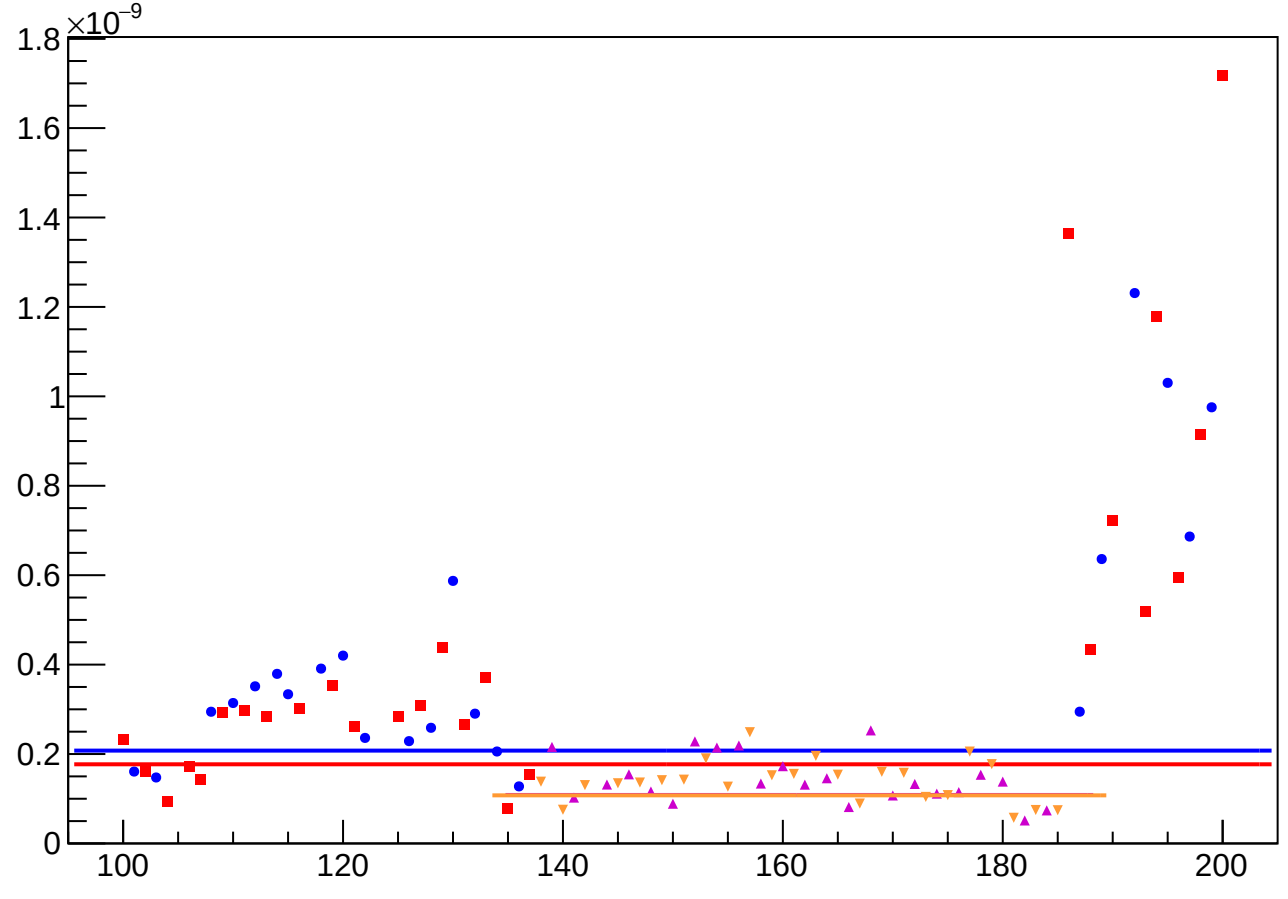
Right: 0.000+/-0.000 χ^2/NDF: 37.2/47

In: -0.000+/-0.000 χ^2/NDF:35.0/44

Out: -0.000+/-0.000 χ^2/NDF:34.9/49

All: -0.000+/-0.000 χ^2/NDF: 69.9/94

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: 4440390.0/21

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

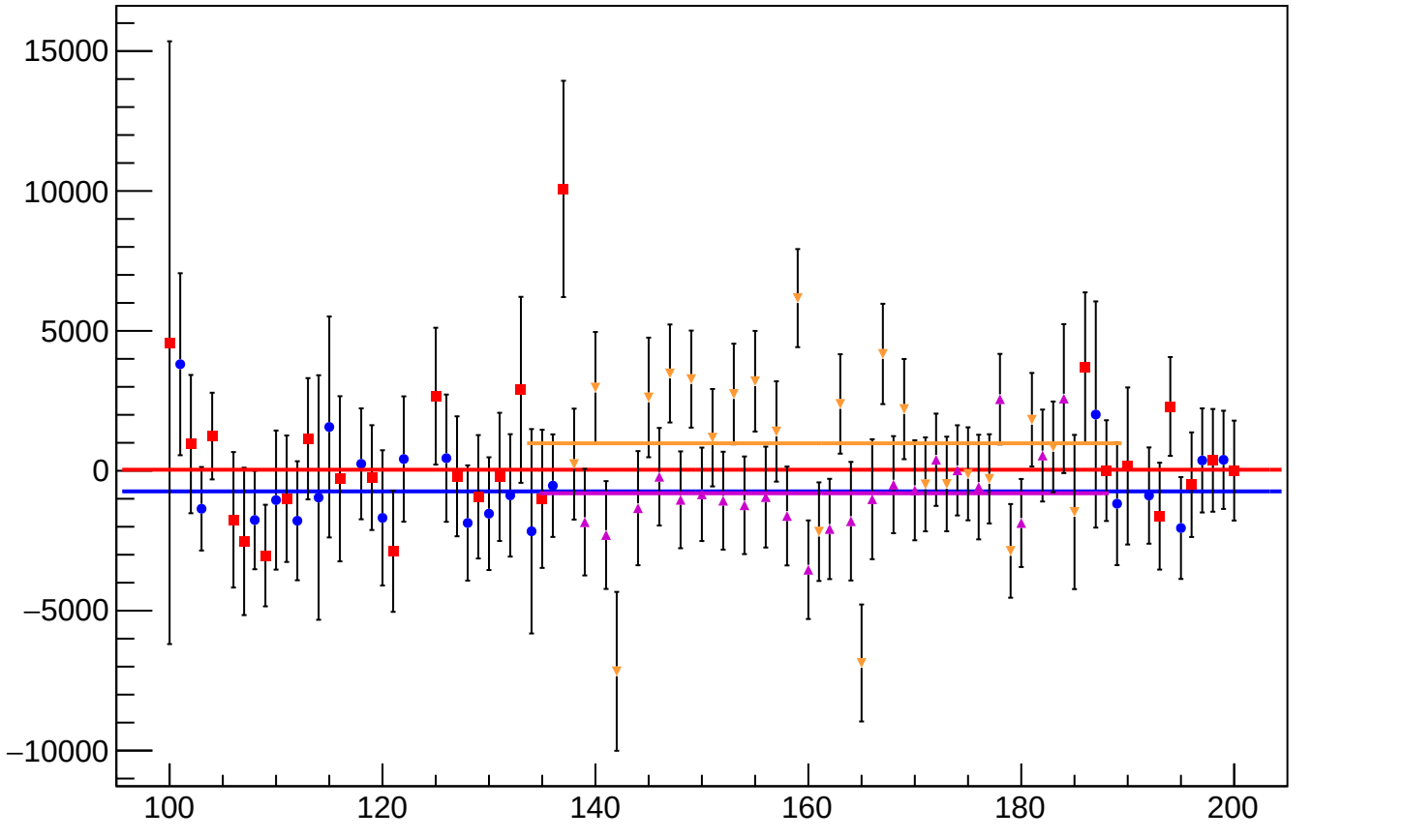
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

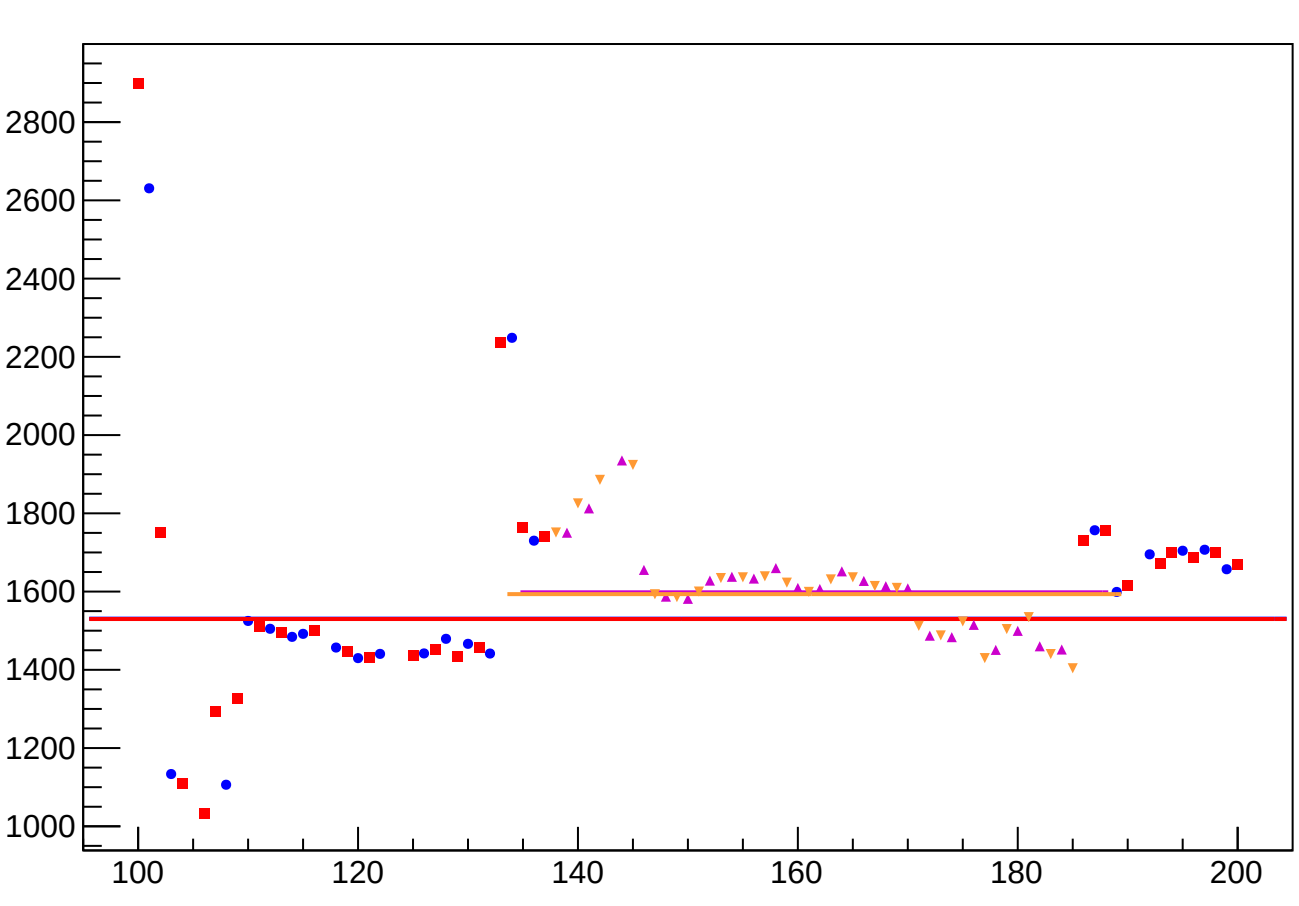
Right: 0.000+/-0.000 χ^2/NDF: 10721997.4/47

In: 0.000+/-0.000 χ^2/NDF:10268503.5/44

Out: 0.000+/-0.000 χ^2/NDF:10813169.6/49

All: 0.000+/-0.000 χ^2/NDF: 21087011.3/94


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: -735.954+/-457.849 χ²/NDF: 6.4/21
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: -325.296+/-313.608 χ²/NDF: 28.9/47
In: -776.706+/-289.678 χ²/NDF:18.9/44
Out: 579.461+/-280.952 χ²/NDF:79.3/49
All: -77.890+/-201.677 χ²/NDF: 109.4/94



Right In: 1530.799+/-0.324 χ^2/NDF: 680643.9/21

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

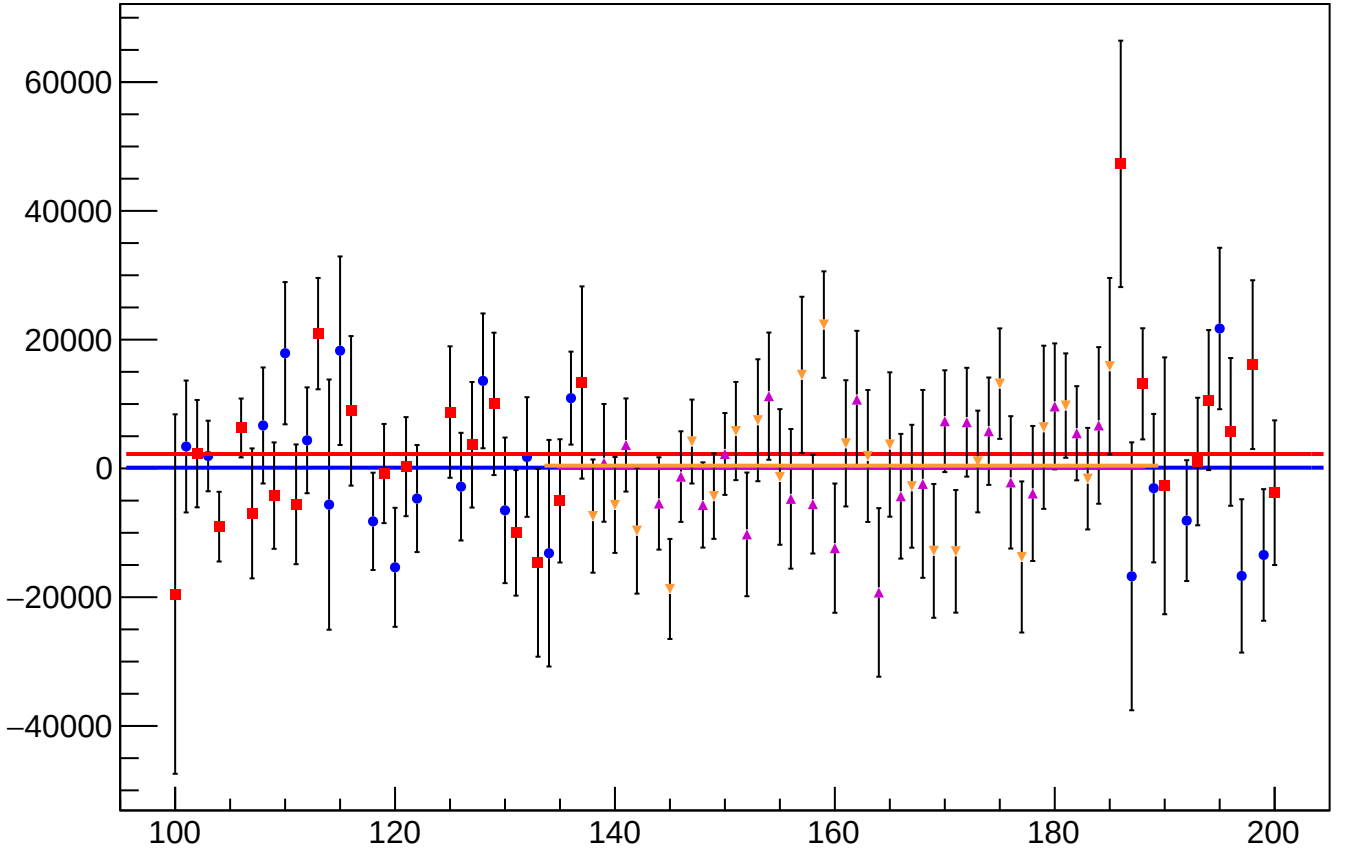
Right: 1530.287+/-0.221 χ^2/NDF: 1278593.2/47

In: 1571.171+/-0.205 χ^2/NDF:875731.6/44

Out: 1566.225+/-0.198 χ^2/NDF:810786.5/49

All: 1568.617+/-0.142 χ^2/NDF: 1686819.2/94

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 113.940+/-2047.322 χ^2/NDF: 22.8/21

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

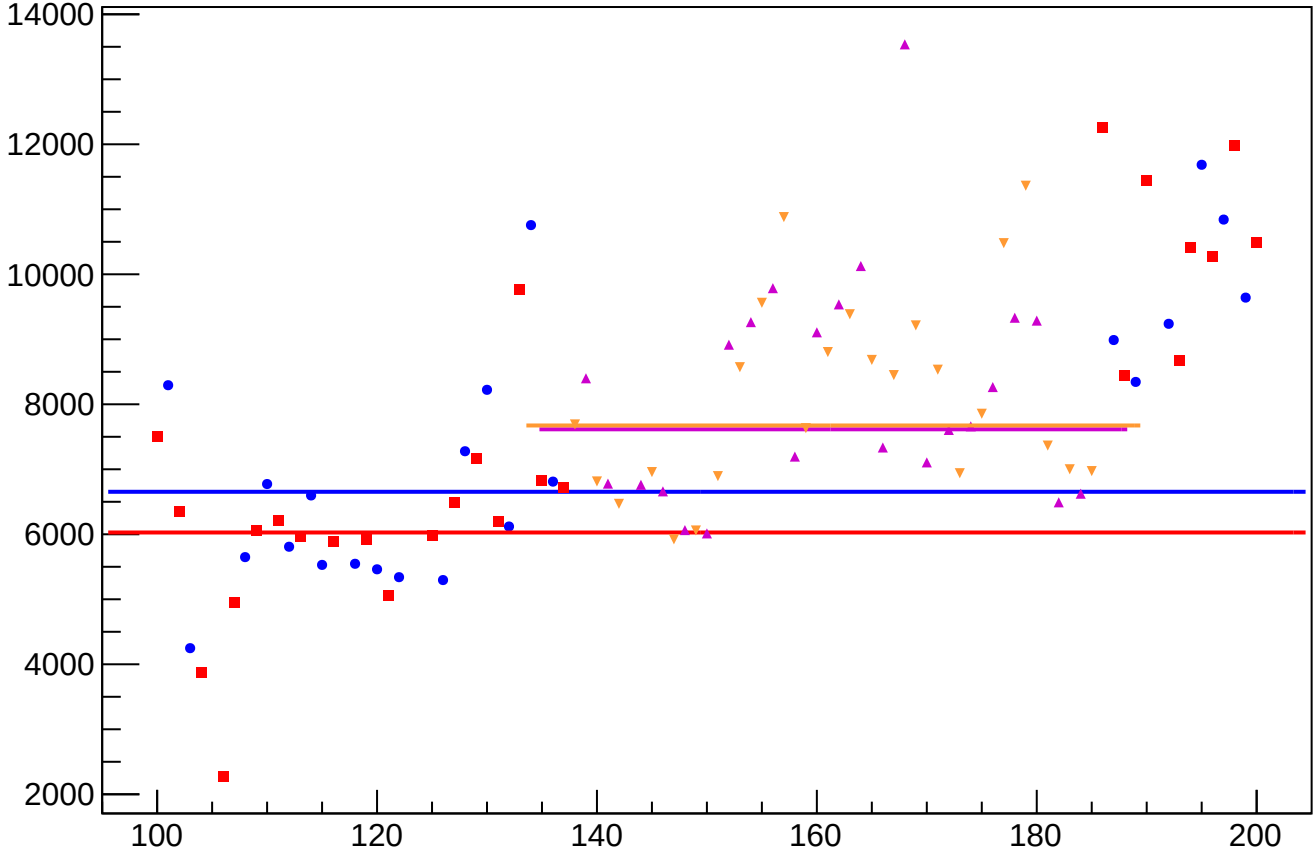
Right: 1307.152+/-1355.364 χ^2/NDF: 50.8/47

In: 120.900+/-1358.070 χ^2/NDF:36.6/44

Out: 1338.141+/-1282.766 χ^2/NDF:57.3/49

All: 764.202+/-932.538 χ^2/NDF: 94.3/94

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6653.844+/-1.448 χ^2/NDF: 1796028.8/21

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

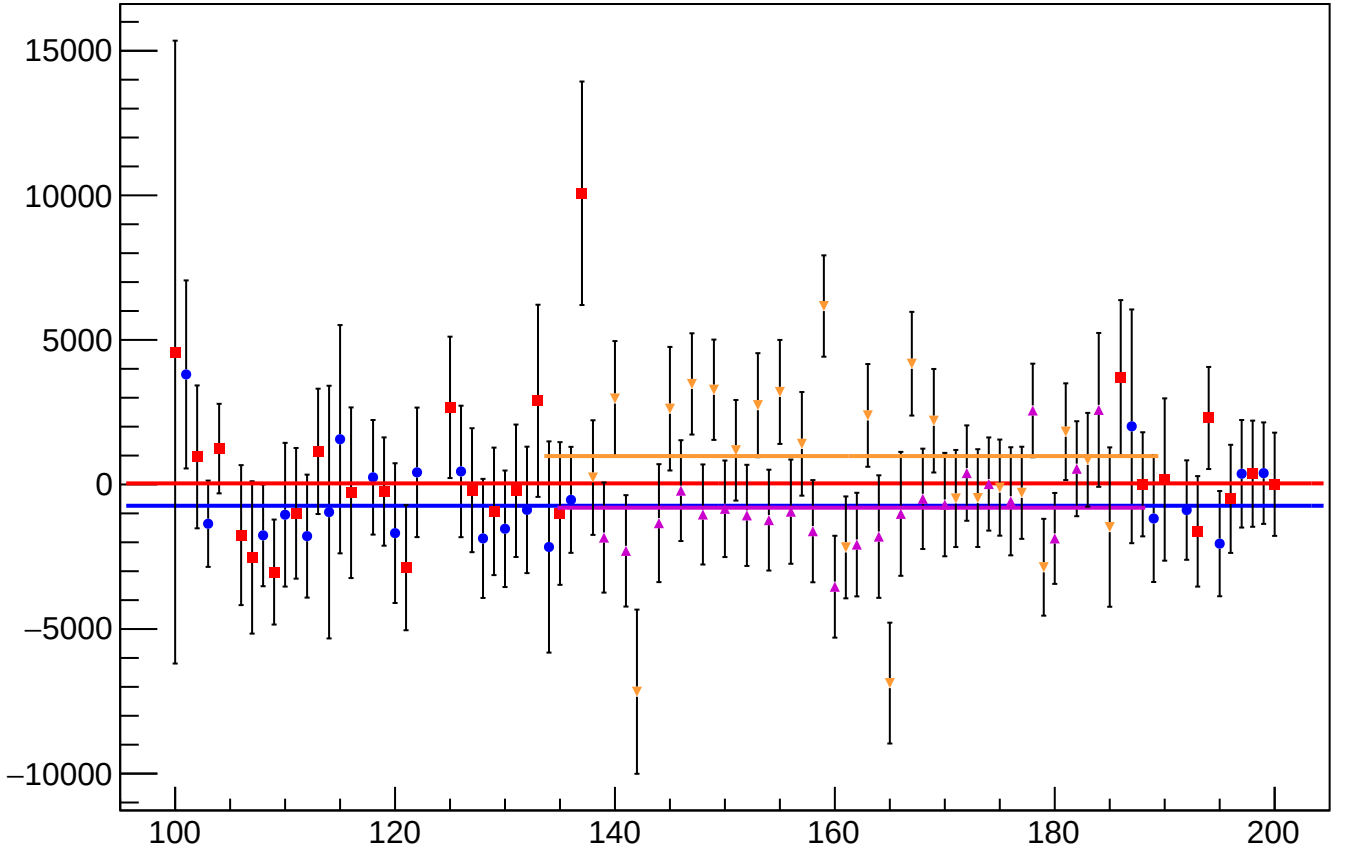
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6302.089+/-0.958 χ^2/NDF: 5794544.0/47

In: 7192.057+/-0.960 χ^2/NDF:3267377.0/44

Out: 6845.638+/-0.907 χ^2/NDF:5793764.0/49

All: 7008.978+/-0.659 χ^2/NDF: 9129915.4/94



Right In: -736.027+/-457.849 χ^2/NDF: 6.4/21

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

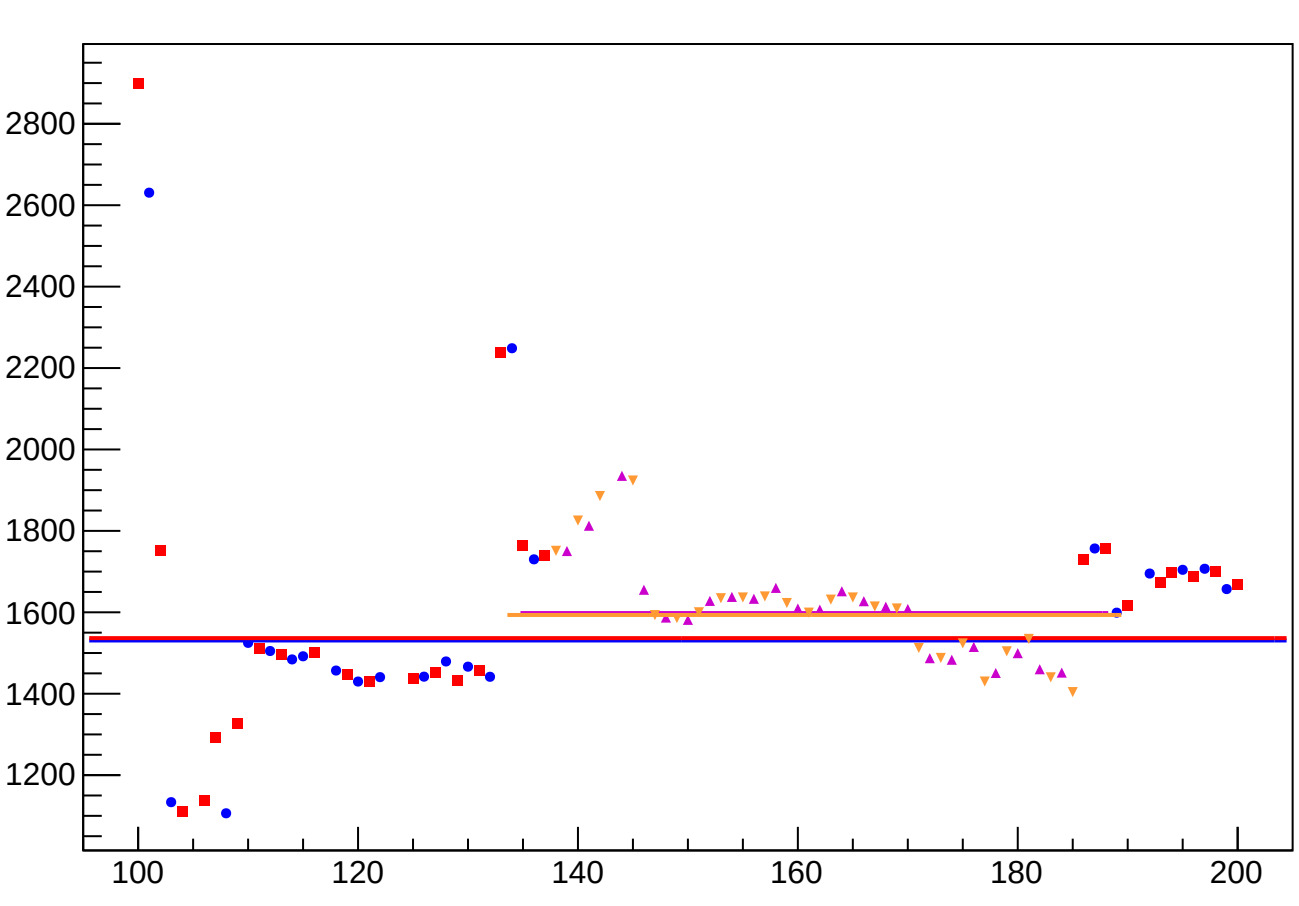
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -325.293+/-313.608 χ^2/NDF: 28.9/47

In: -776.660+/-289.678 χ^2/NDF:18.9/44

Out: 579.539+/-280.952 χ^2/NDF:79.3/49

All: -77.827+/-201.677 χ^2/NDF: 109.4/94



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

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

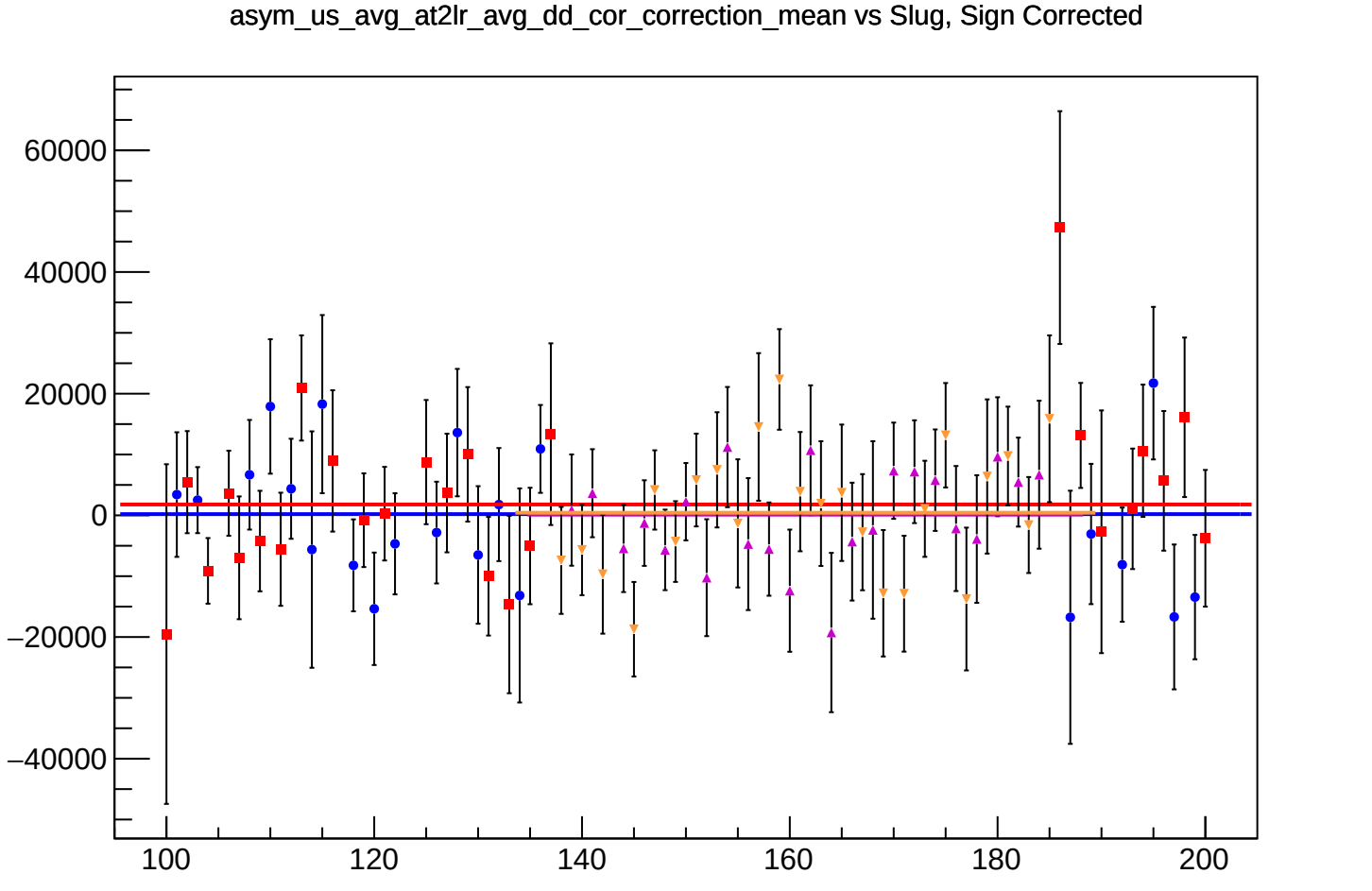
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1533.859+/-0.222 χ^2/NDF: 1227041.2/47

In: 1571.171+/-0.205 χ^2/NDF:875732.1/44

Out: 1569.190+/-0.199 χ^2/NDF:753953.0/49

All: 1570.149+/-0.143 χ^2/NDF: 1629733.2/94



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

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

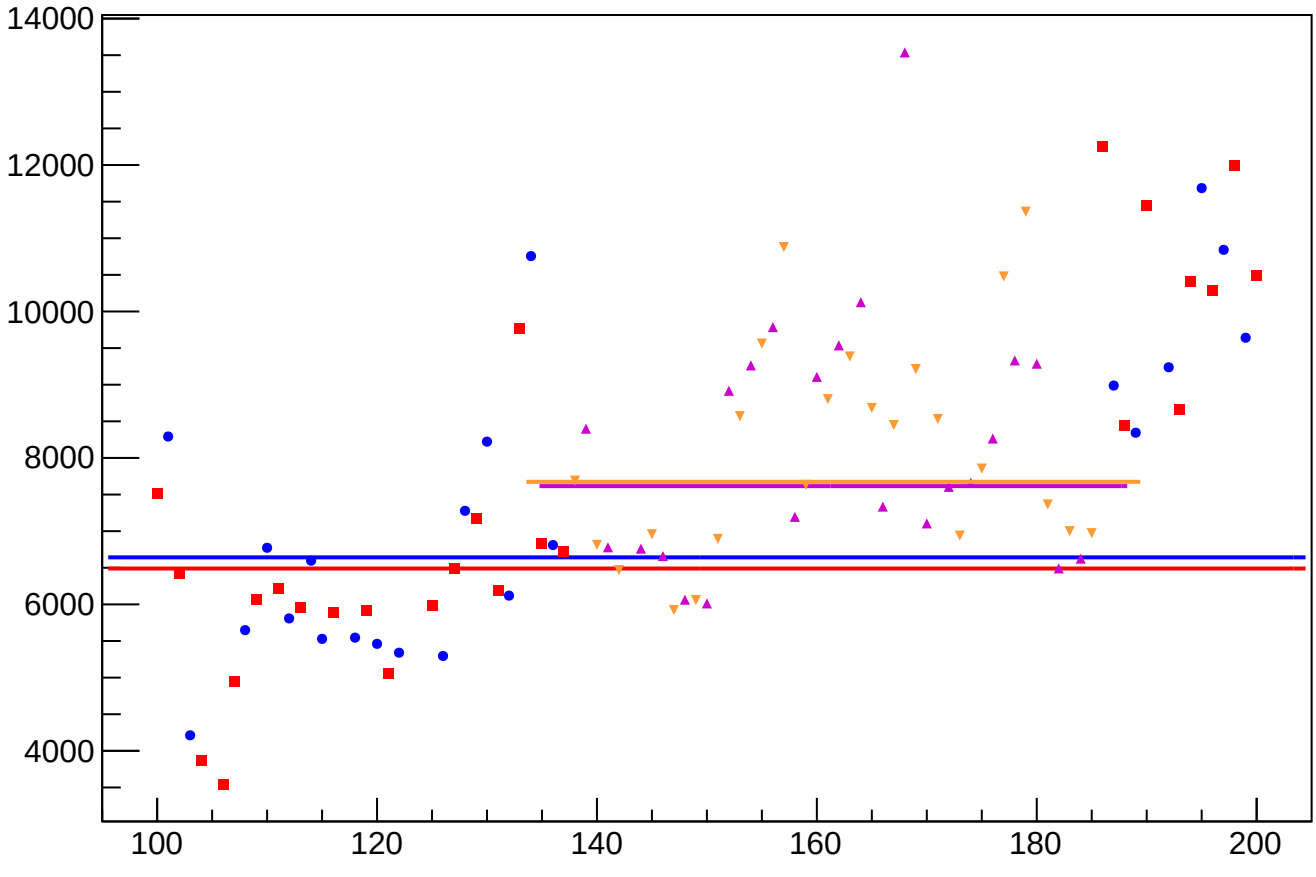
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1053.496+/-1389.878 χ^2/NDF: 50.0/47

In: 158.900+/-1357.259 χ^2/NDF:36.7/44

Out: 1079.138+/-1312.641 χ^2/NDF:56.5/49

All: 634.393+/-943.557 χ^2/NDF: 93.4/94



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

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

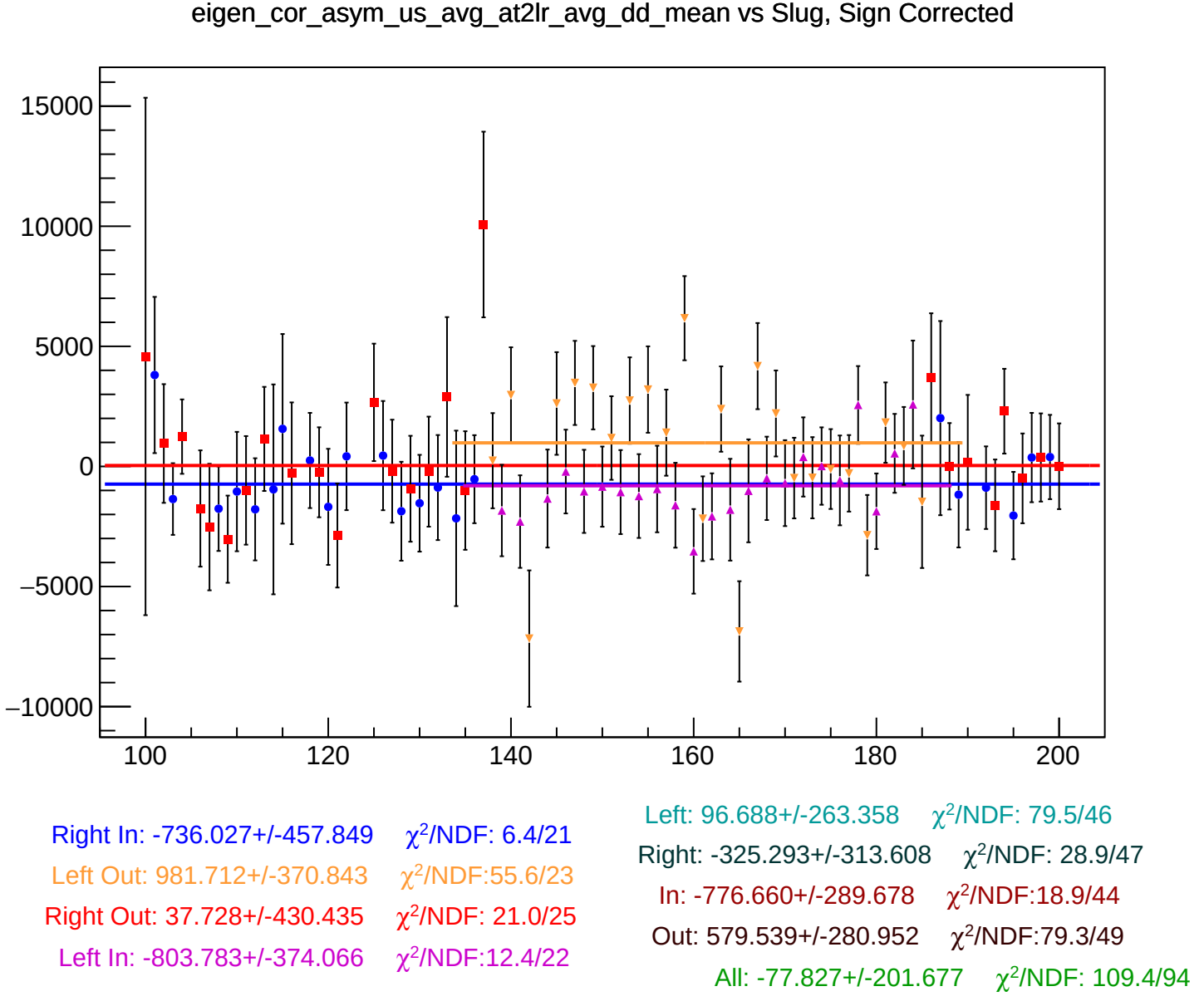
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

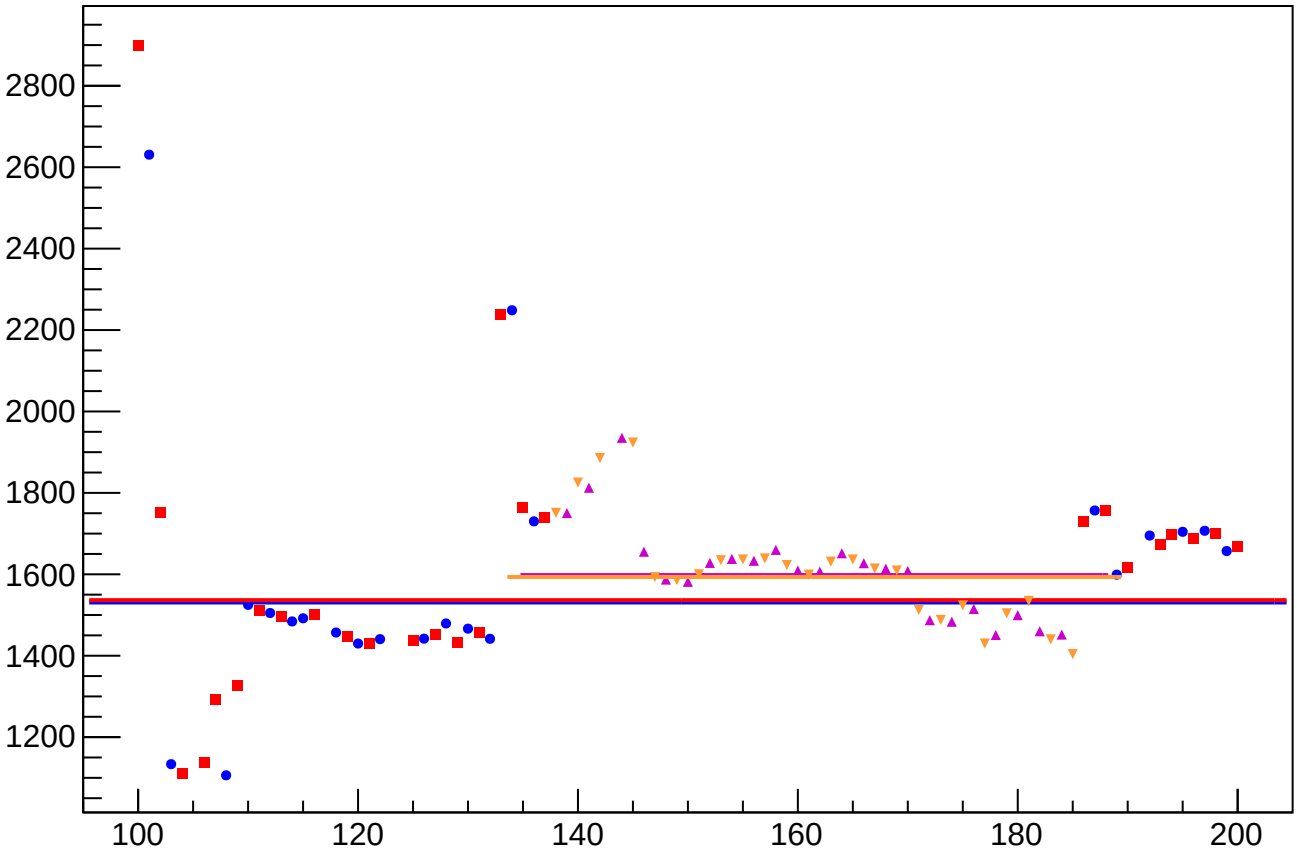
Right: 6560.359+/-0.983 χ^2/NDF: 4505508.2/47

In: 7186.301+/-0.960 χ^2/NDF:3292899.2/44

Out: 7106.002+/-0.928 χ^2/NDF:4167256.2/49

All: 7144.810+/-0.667 χ^2/NDF: 7463772.6/94


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: -736.027+/-457.849 χ²/NDF: 6.4/21
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: -325.293+/-313.608 χ²/NDF: 28.9/47
In: -776.660+/-289.678 χ²/NDF:18.9/44
Out: 579.539+/-280.952 χ²/NDF:79.3/49
All: -77.827+/-201.677 χ²/NDF: 109.4/94



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

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

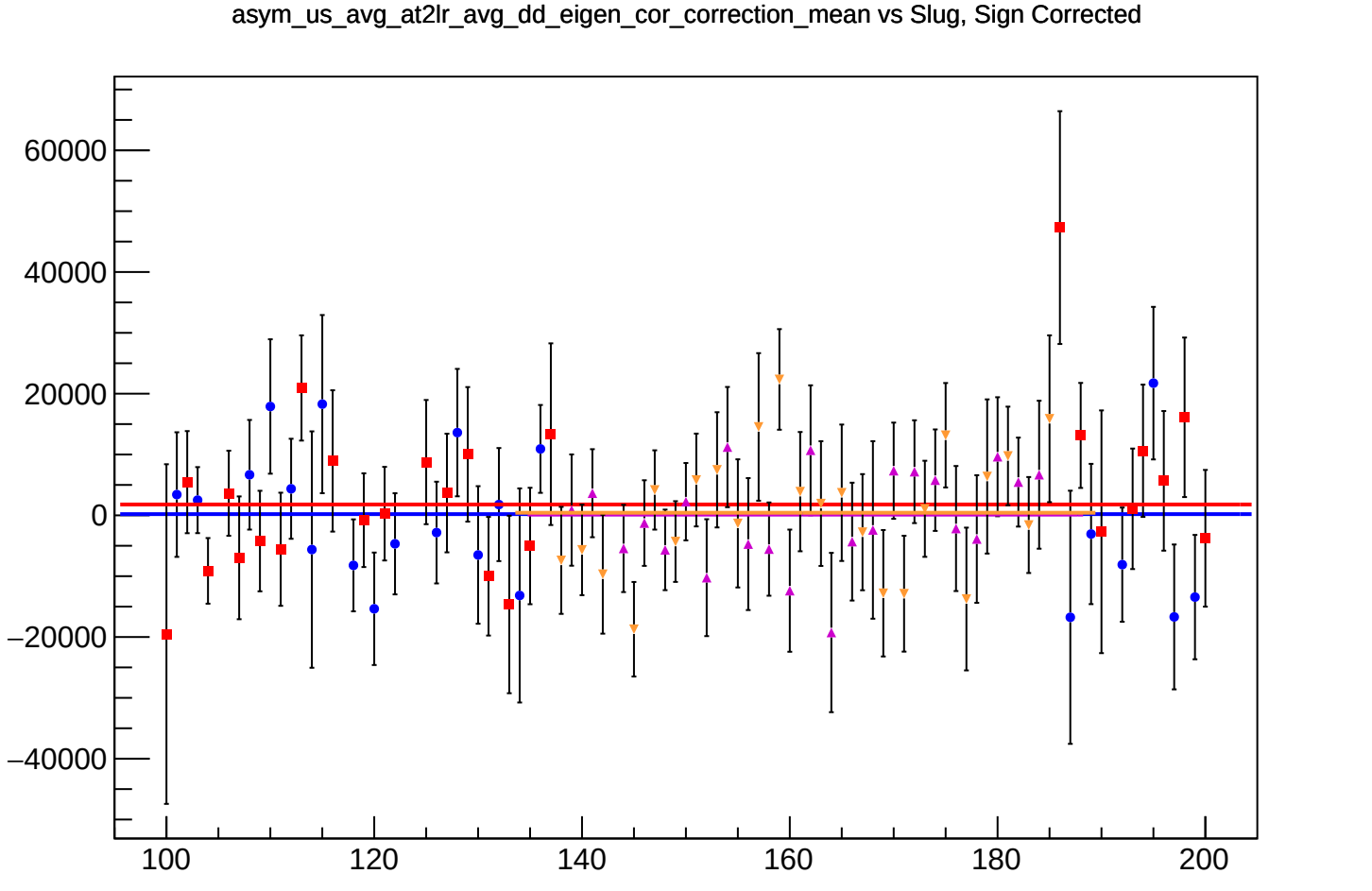
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

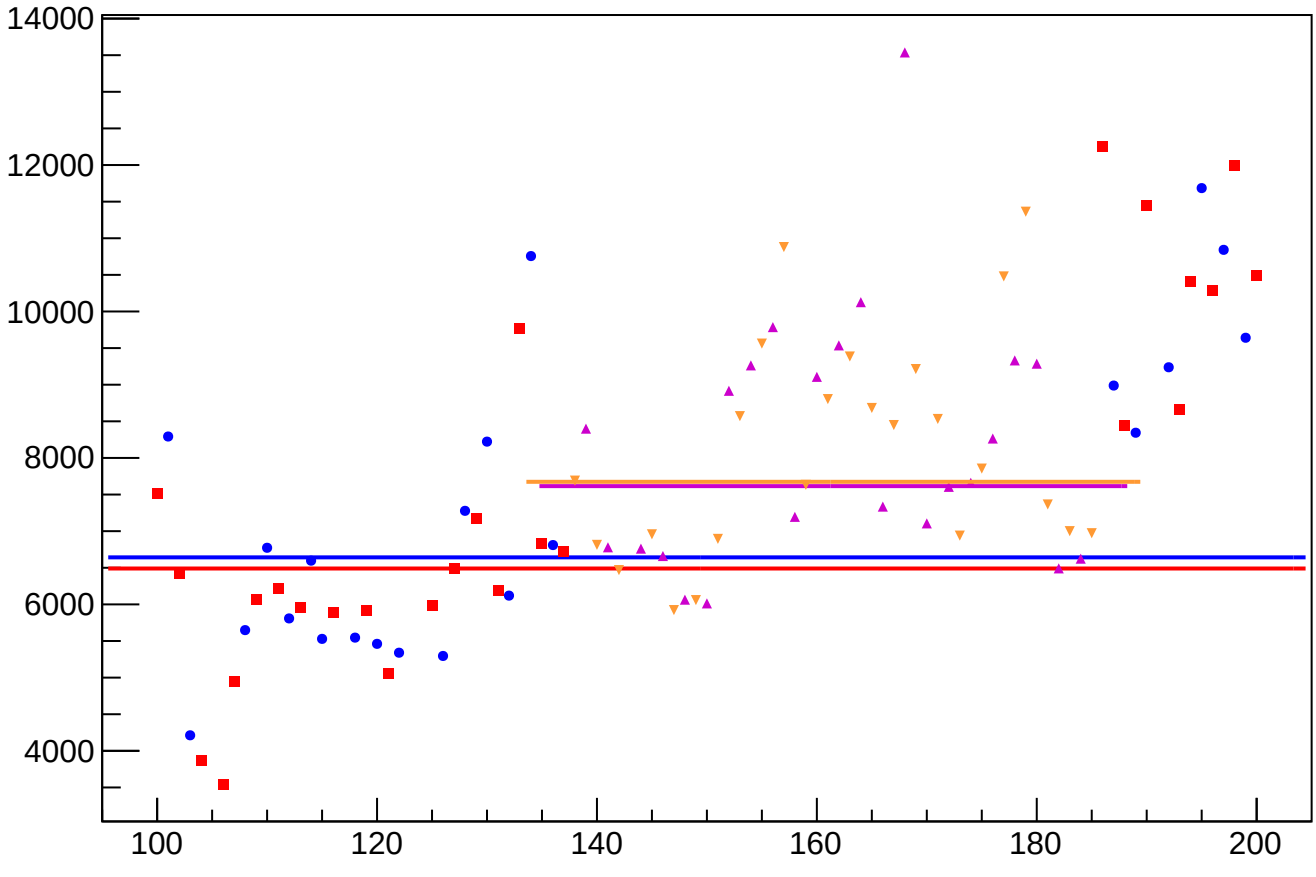
Right: 1533.859+/-0.222 χ^2/NDF: 1227041.2/47

In: 1571.171+/-0.205 χ^2/NDF:875732.1/44

Out: 1569.190+/-0.199 χ^2/NDF:753953.0/49

All: 1570.149+/-0.143 χ^2/NDF: 1629733.2/94


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 200.180+/-2044.549 χ²/NDF: 22.9/21
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 1786.635+/-1895.115 χ²/NDF: 26.8/25
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1053.496+/-1389.878 χ²/NDF: 50.0/47
In: 158.900+/-1357.259 χ²/NDF:36.7/44
Out: 1079.138+/-1312.641 χ²/NDF:56.5/49
All: 634.393+/-943.557 χ²/NDF: 93.4/94



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

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

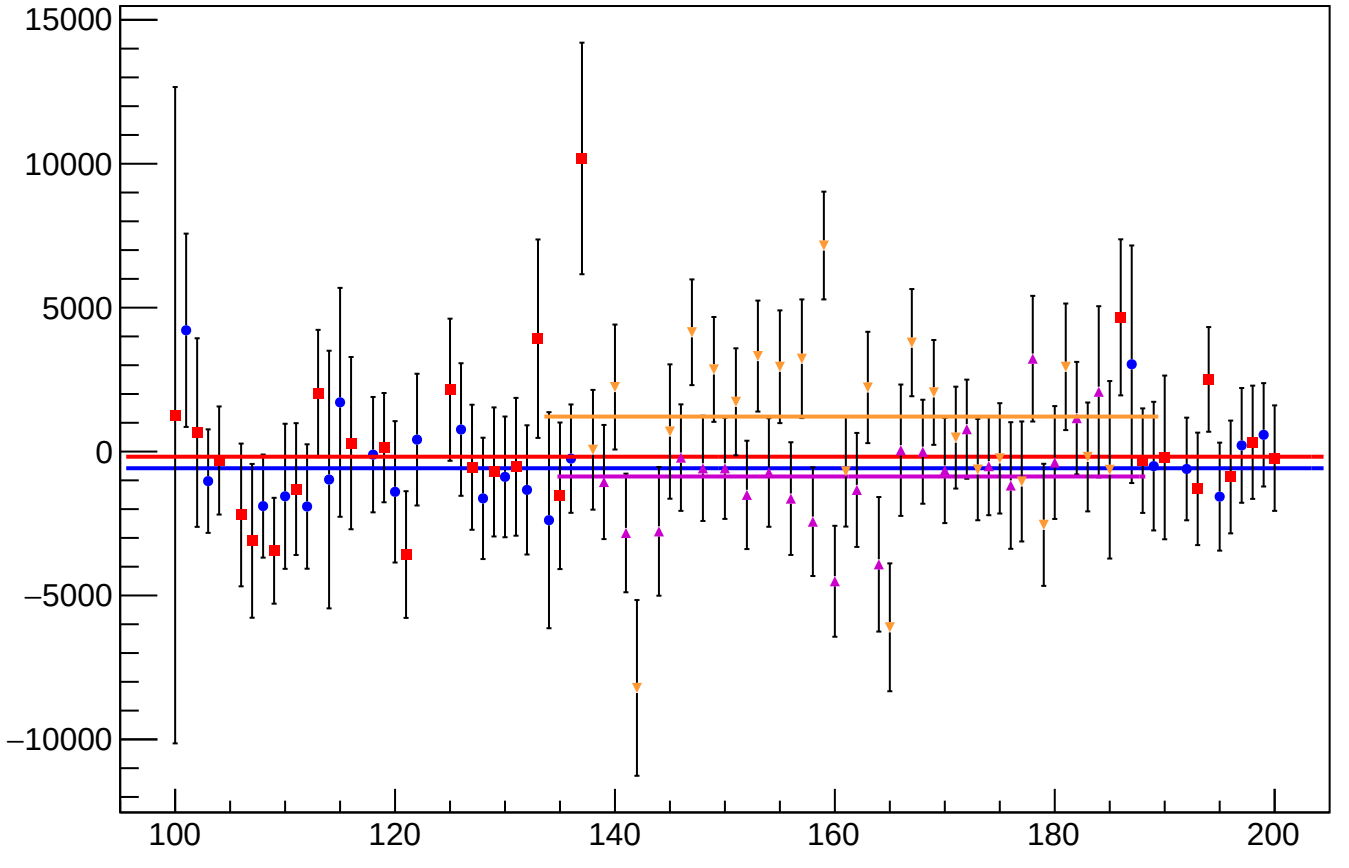
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6560.359+/-0.983 χ^2/NDF: 4505508.2/47

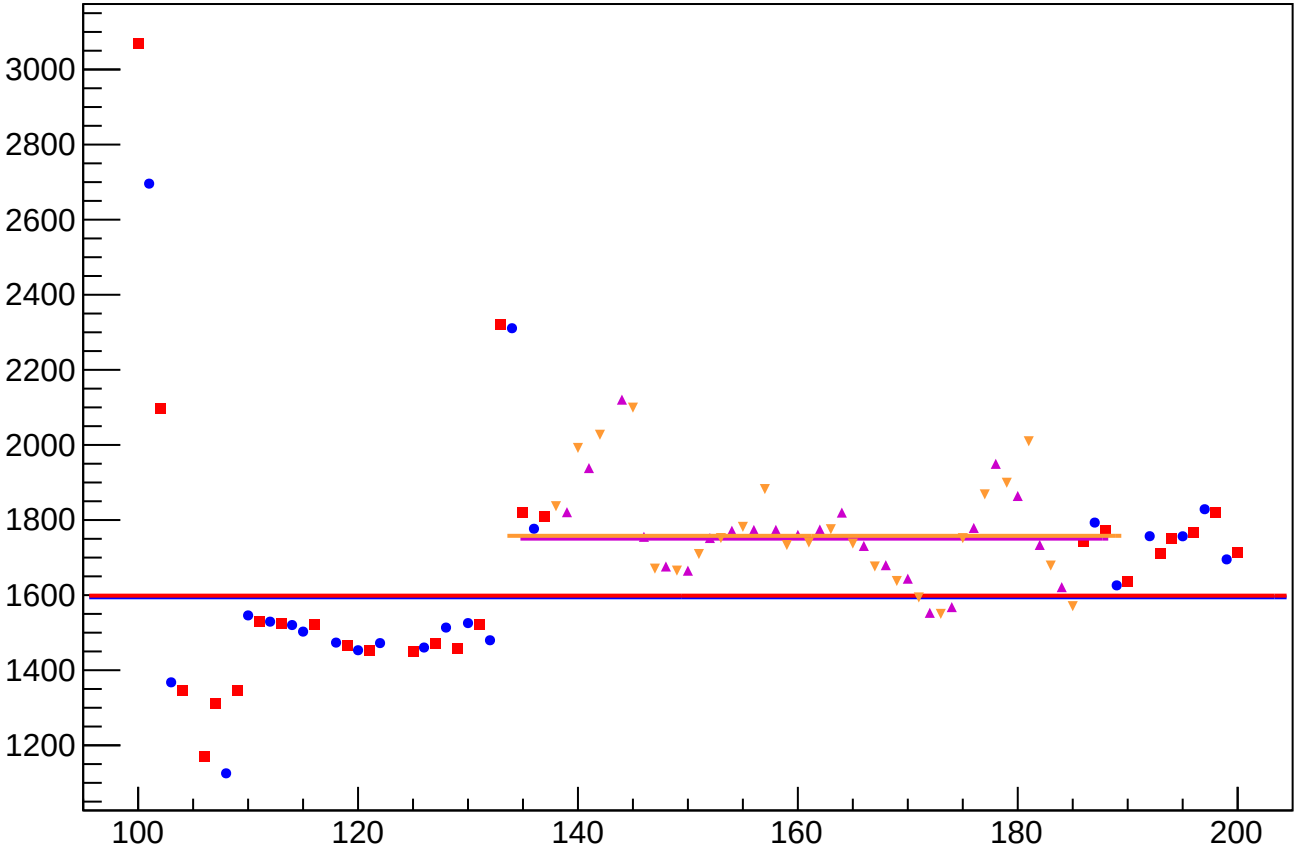
In: 7186.301+/-0.960 χ^2/NDF:3292899.2/44

Out: 7106.002+/-0.928 χ^2/NDF:4167256.2/49

All: 7144.810+/-0.667 χ^2/NDF: 7463772.6/94


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -579.364+/-476.069 χ²/NDF: 6.5/21
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -178.875+/-448.666 χ²/NDF: 24.0/25
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -367.262+/-326.513 χ²/NDF: 30.8/47
In: -743.936+/-310.685 χ²/NDF:21.8/44
Out: 581.596+/-302.495 χ²/NDF:77.7/49
All: -63.468+/-216.734 χ²/NDF: 108.9/94

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.2/21

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

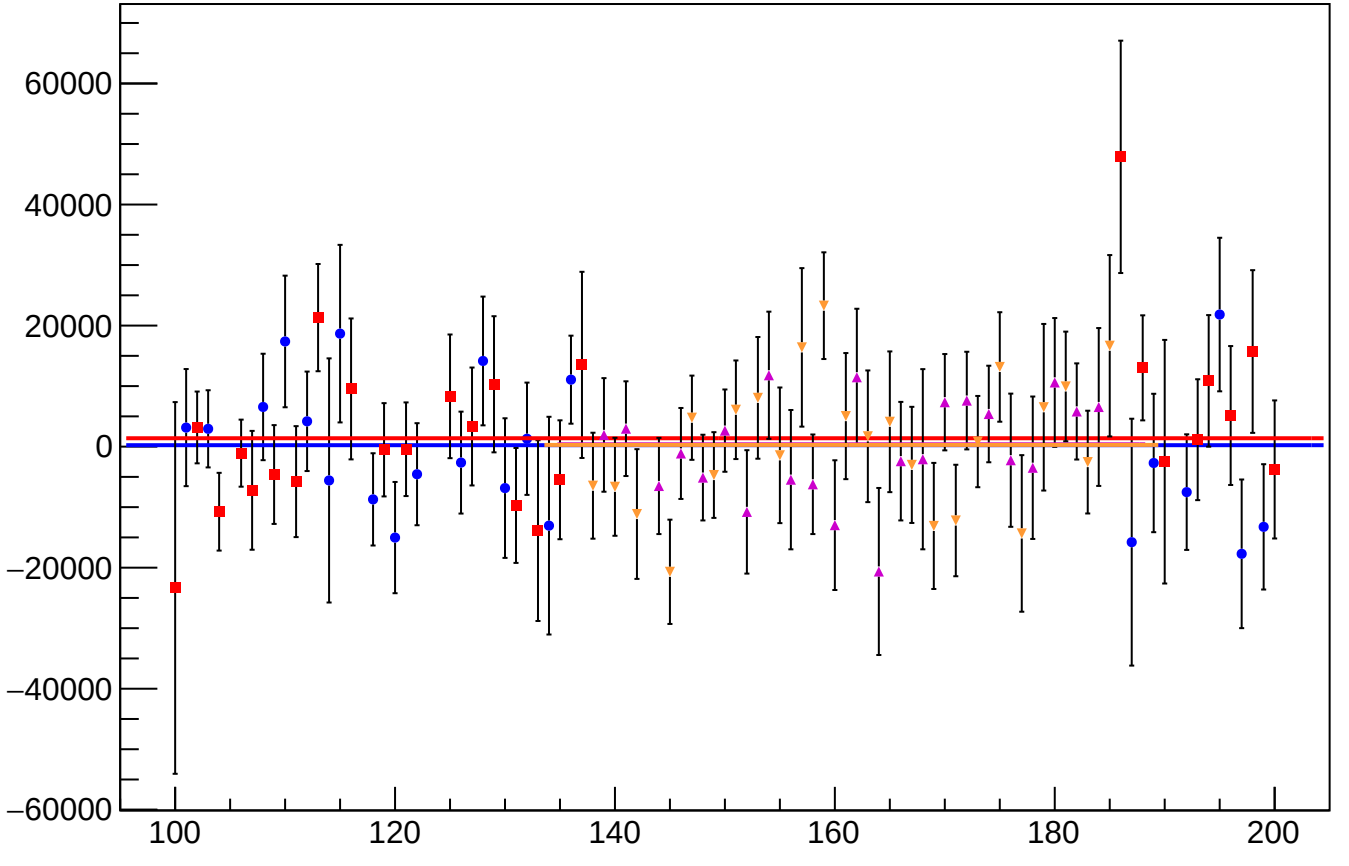
Right: 1596.568+/-0.231 χ^2/NDF: 1073785.6/47

In: 1683.952+/-0.220 χ^2/NDF:882813.6/44

Out: 1685.512+/-0.214 χ^2/NDF:837319.4/49

All: 1684.753+/-0.153 χ^2/NDF: 1720158.9/94

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 237.775+/-2089.790 χ^2/NDF: 22.7/21

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

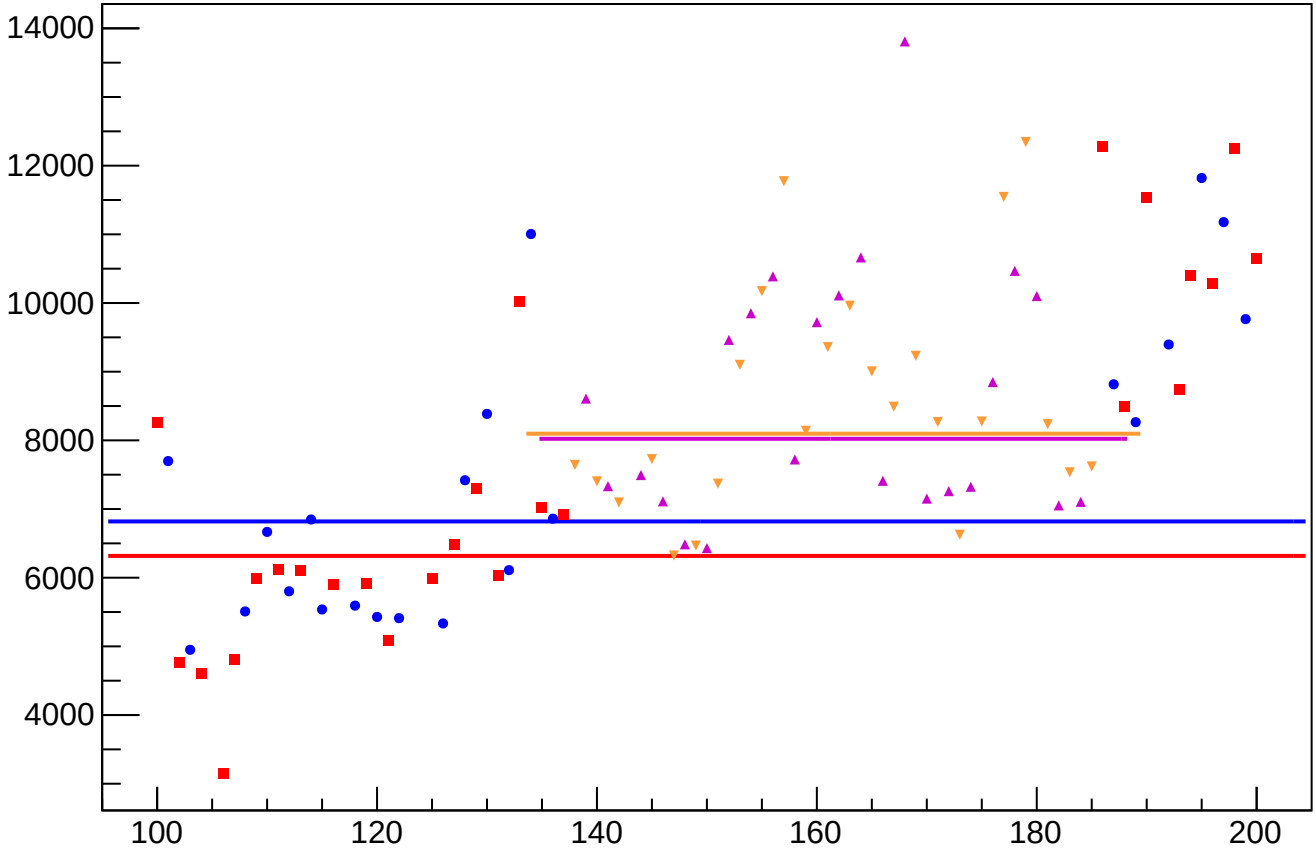
Right: 882.075+/-1383.838 χ^2/NDF: 49.5/47

In: 316.627+/-1410.817 χ^2/NDF:36.3/44

Out: 856.503+/-1331.037 χ^2/NDF:55.5/49

All: 602.261+/-968.161 χ^2/NDF: 91.8/94

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6819.260+/-1.478 χ^2/NDF: 1579500.9/21

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

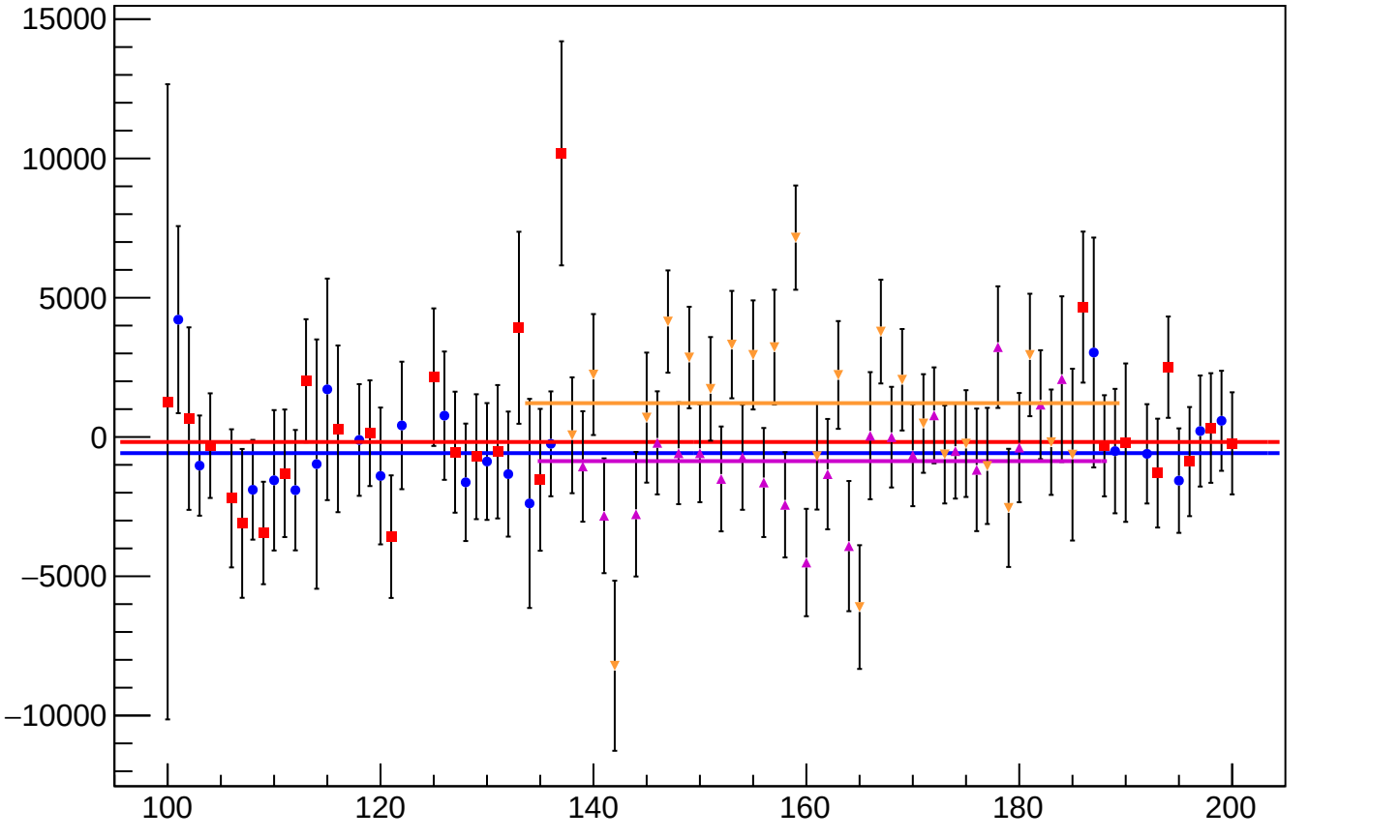
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6537.375+/-0.979 χ^2/NDF: 4622037.4/47

In: 7474.235+/-0.998 χ^2/NDF:3166030.0/44

Out: 7172.377+/-0.941 χ^2/NDF:4957931.1/49

All: 7314.530+/-0.685 χ^2/NDF: 8172401.6/94



Right In: -579.365+/-476.069 χ^2/NDF: 6.5/21

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

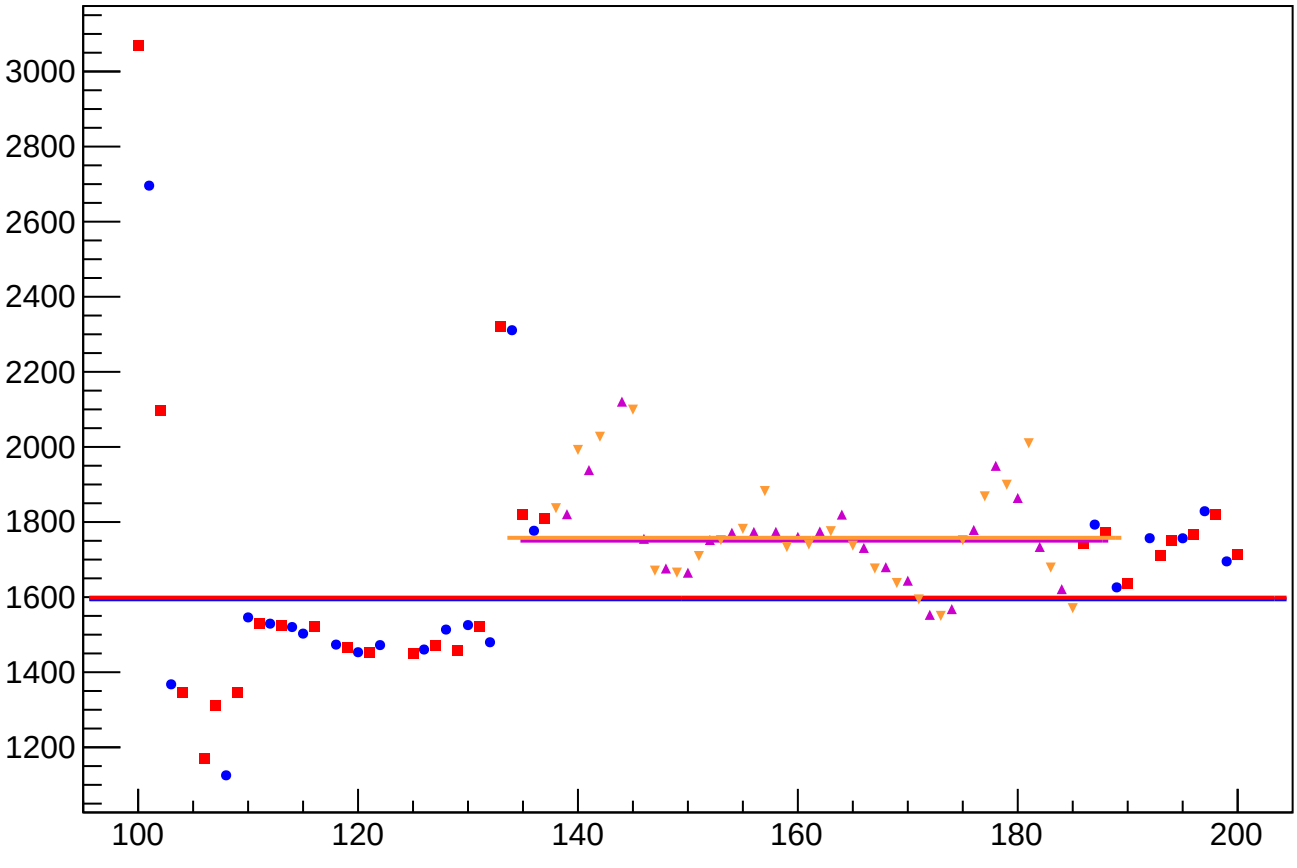
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -367.267+/-326.513 χ^2/NDF: 30.8/47

In: -743.936+/-310.685 χ^2/NDF:21.8/44

Out: 581.596+/-302.495 χ^2/NDF:77.7/49

All: -63.467+/-216.734 χ^2/NDF: 108.9/94



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.1/21

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

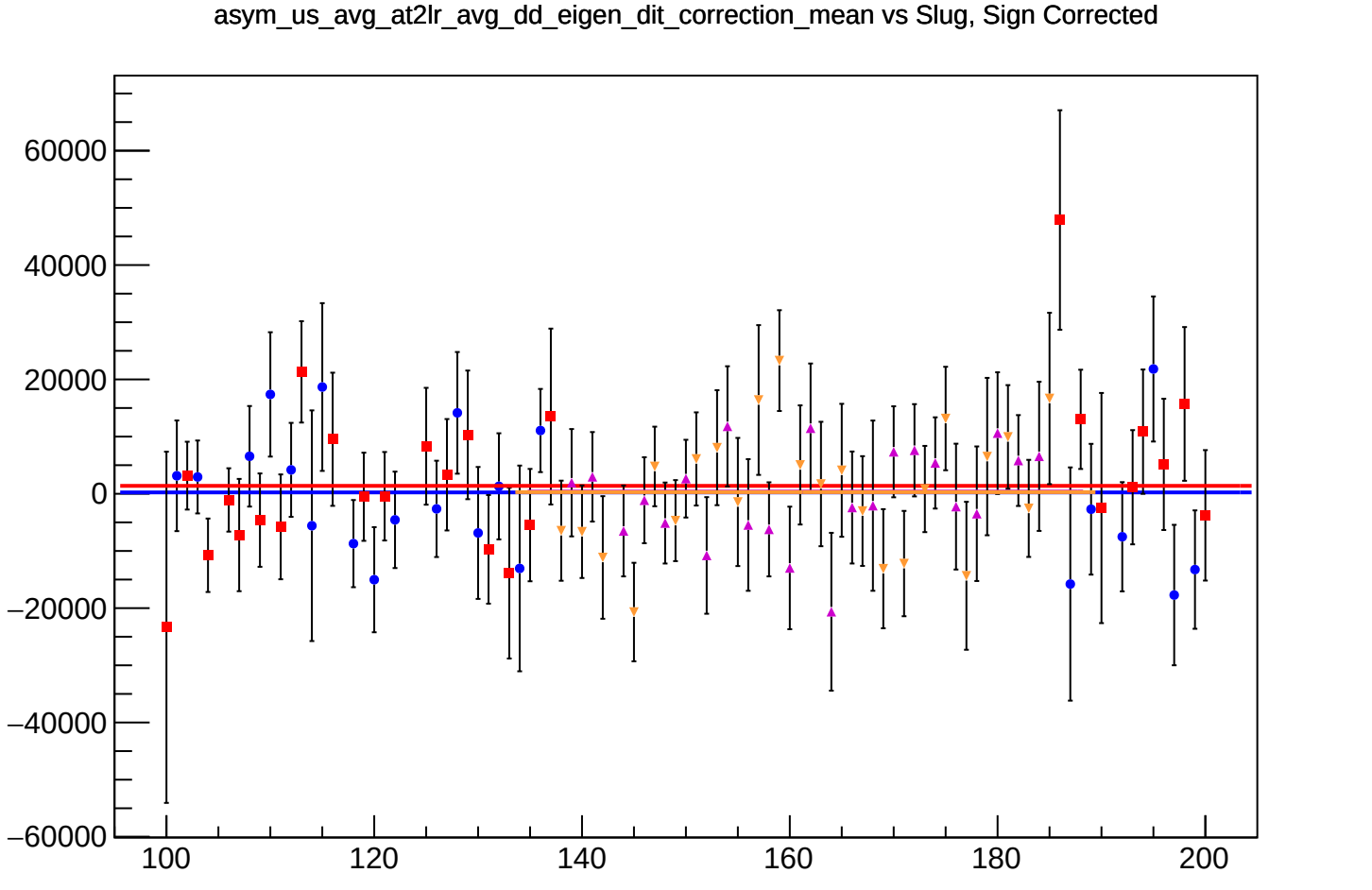
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1596.568+/-0.231 χ^2/NDF: 1073786.7/47

In: 1683.953+/-0.220 χ^2/NDF:882825.9/44

Out: 1685.514+/-0.214 χ^2/NDF:837332.7/49

All: 1684.754+/-0.153 χ^2/NDF: 1720184.6/94



Right In: 237.763+/-2089.787 χ^2/NDF: 22.7/21

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1385.216+/-1846.748 χ^2/NDF: 26.7/25

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

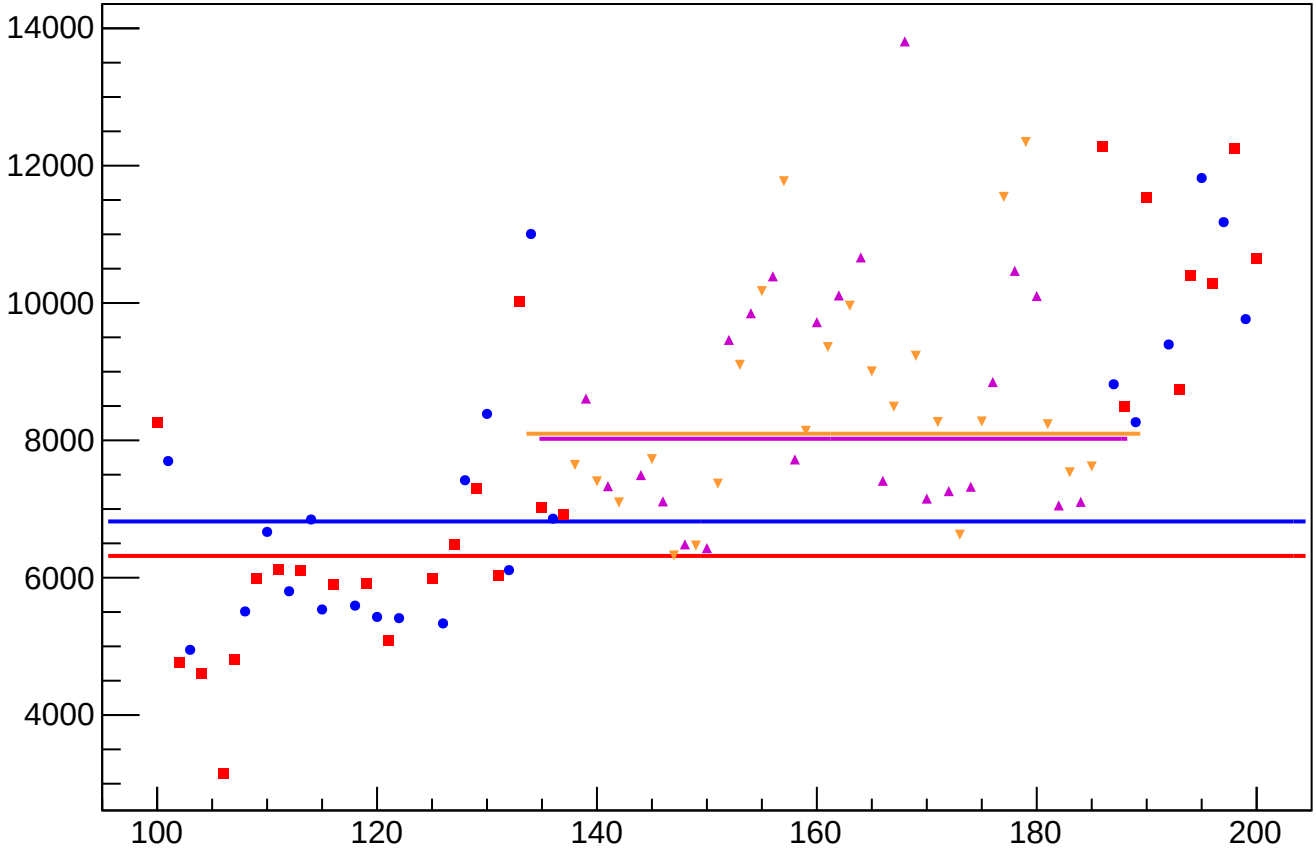
Right: 882.064+/-1383.836 χ^2/NDF: 49.5/47

In: 316.624+/-1410.817 χ^2/NDF:36.3/44

Out: 856.500+/-1331.037 χ^2/NDF:55.5/49

All: 602.257+/-968.161 χ^2/NDF: 91.8/94

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6819.247+/-1.478 χ^2/NDF: 1579517.1/21

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

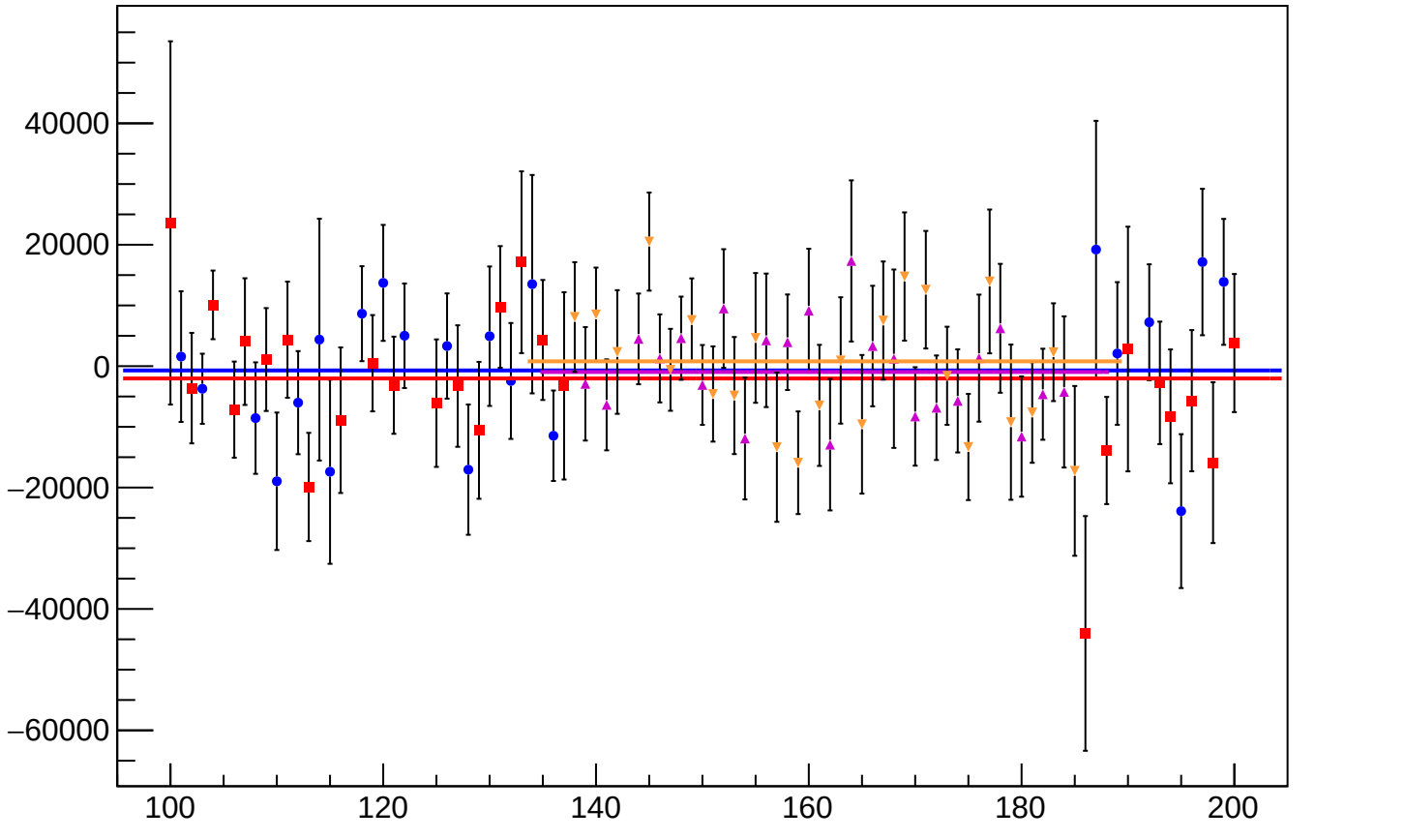
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6537.363+/-0.979 χ^2/NDF: 4622069.3/47

In: 7474.234+/-0.998 χ^2/NDF:3166065.0/44

Out: 7172.374+/-0.941 χ^2/NDF:4957973.0/49

All: 7314.528+/-0.685 χ^2/NDF: 8172478.9/94



Right In: -708.641+/-2111.545 χ^2/NDF: 24.1/21

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

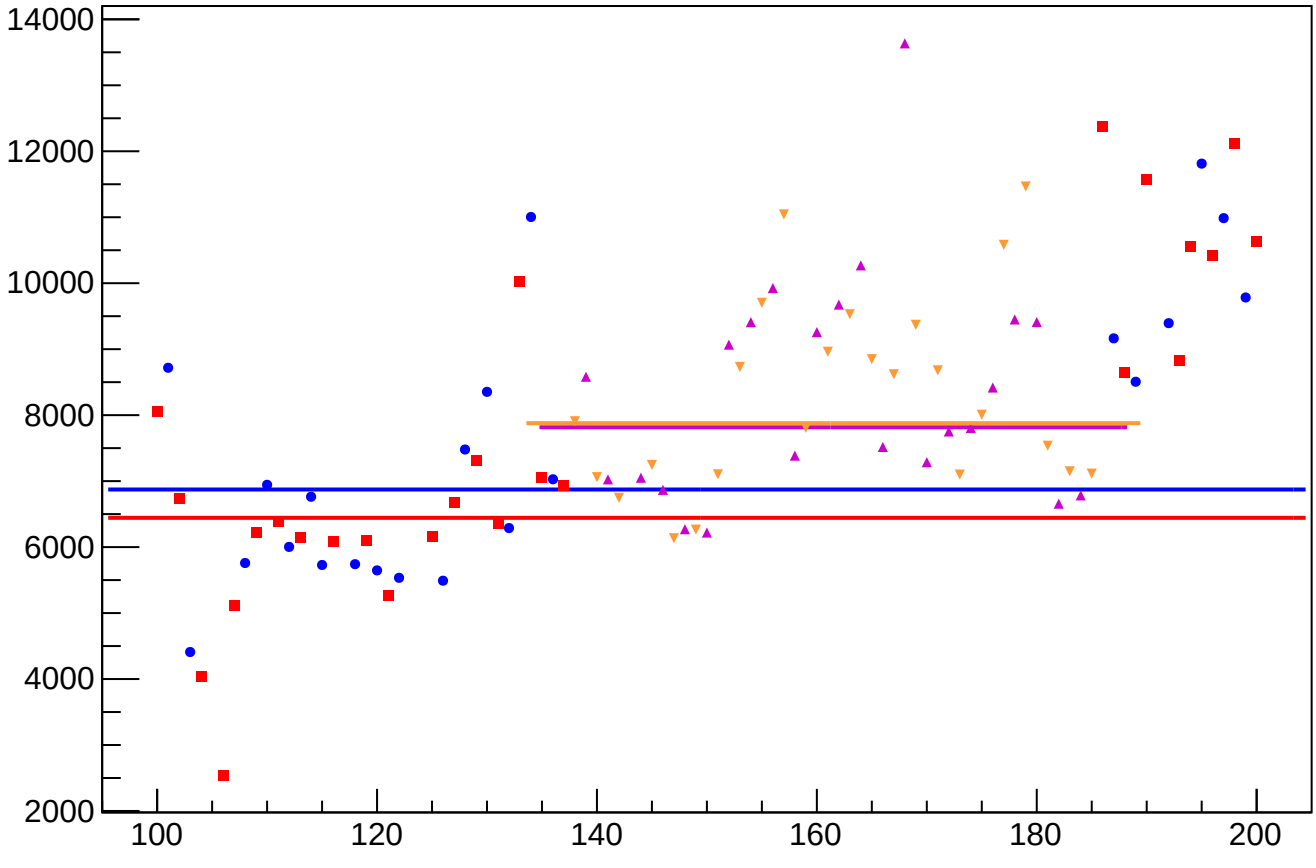
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1416.909+/-1439.757 χ^2/NDF: 48.1/47

In: -852.416+/-1395.692 χ^2/NDF:36.9/44

Out: -544.608+/-1353.826 χ^2/NDF:52.0/49

All: -693.826+/-971.763 χ^2/NDF: 88.9/94



Right In: 6873.051+/-1.493 χ^2/NDF: 1707886.8/21

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

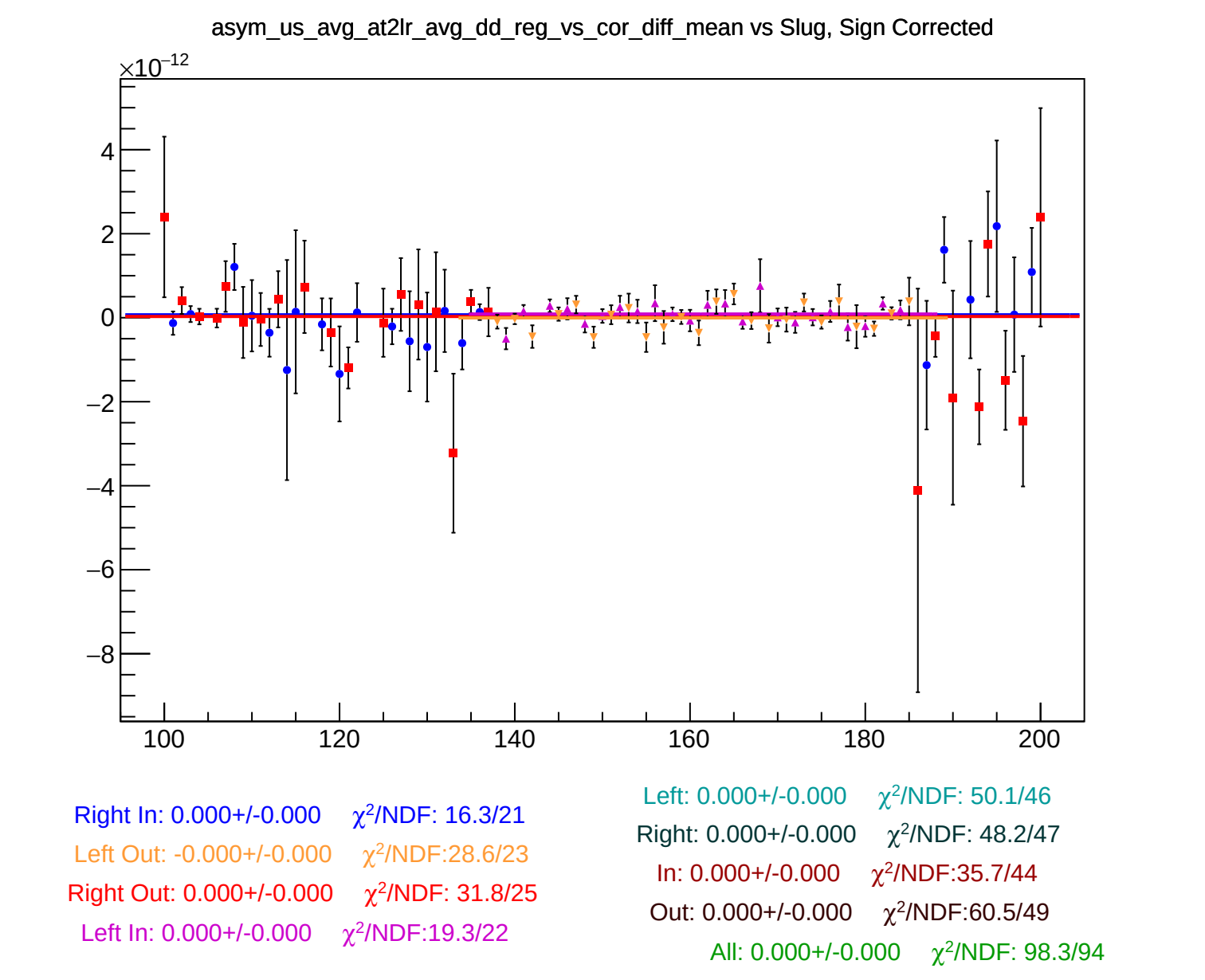
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6637.277+/-1.002 χ^2/NDF: 5004689.4/47

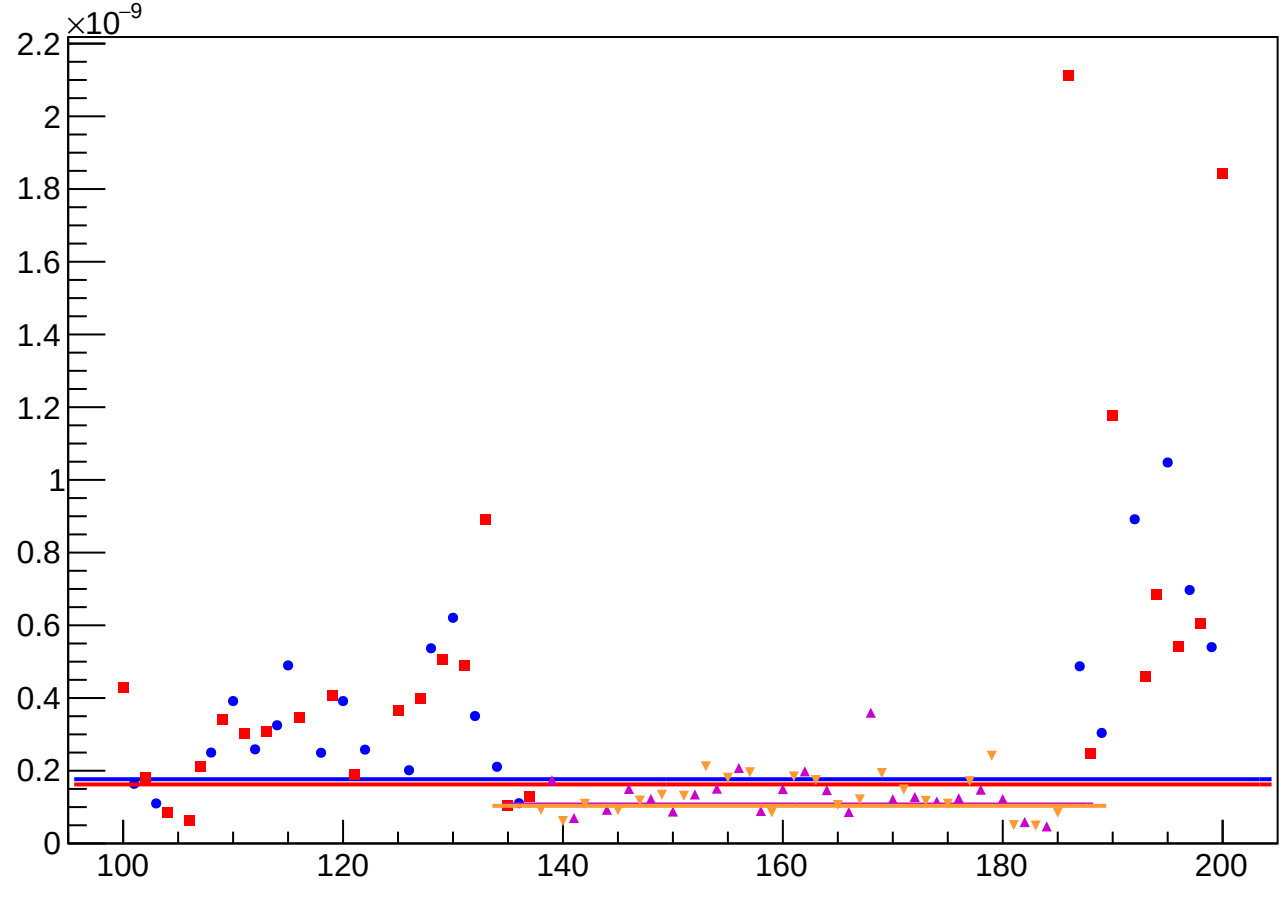
In: 7404.279+/-0.987 χ^2/NDF:3065061.2/44

Out: 7179.157+/-0.944 χ^2/NDF:4818284.7/49

All: 7286.739+/-0.682 χ^2/NDF: 7910513.6/94


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.3/21
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/25
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 48.2/47
In: 0.000+/-0.000 χ²/NDF:35.7/44
Out: 0.000+/-0.000 χ²/NDF:60.5/49
All: 0.000+/-0.000 χ²/NDF: 98.3/94

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2933853.3/21

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

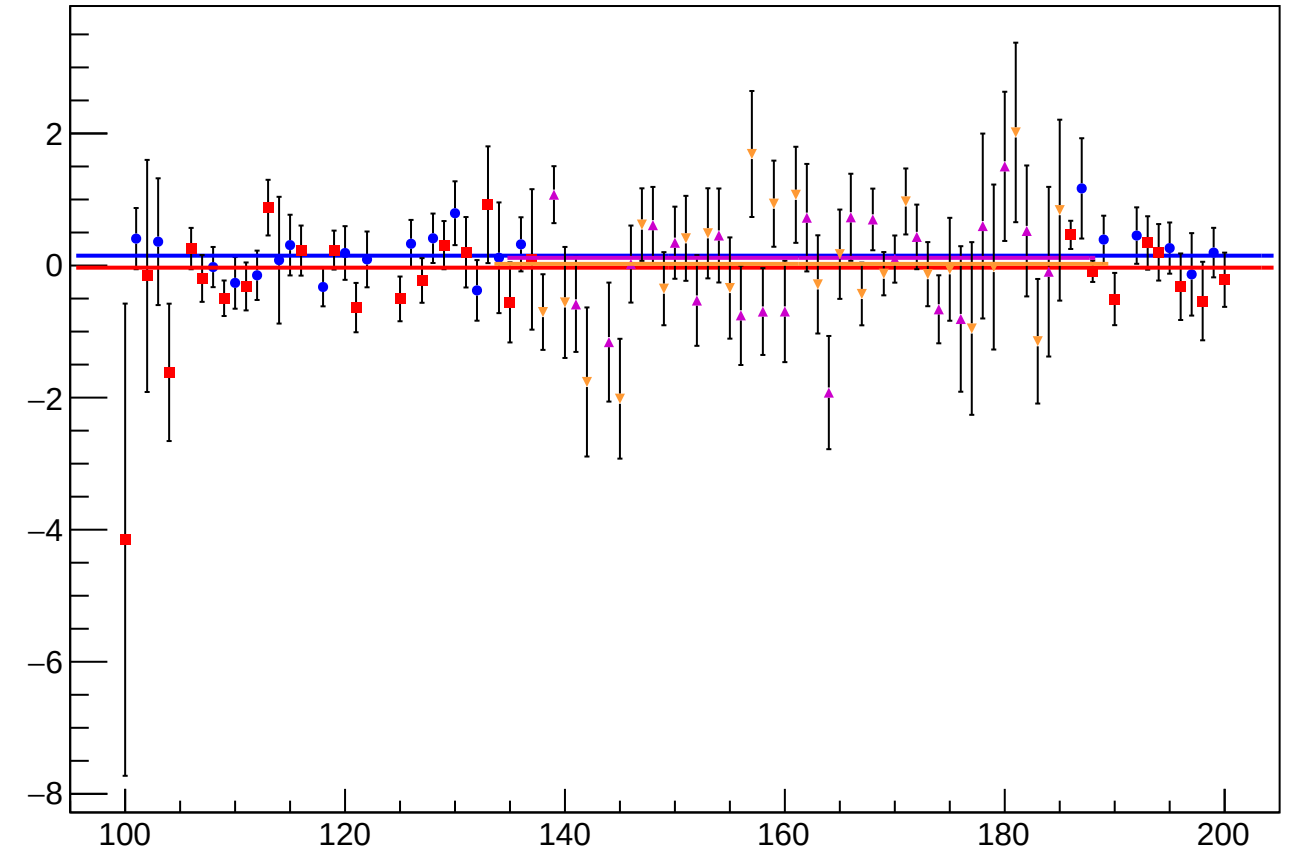
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 7683393.2/47

In: 0.000+/-0.000 χ^2/NDF:5314482.5/44

Out: 0.000+/-0.000 χ^2/NDF:7226598.0/49

All: 0.000+/-0.000 χ^2/NDF: 12558540.4/94



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

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

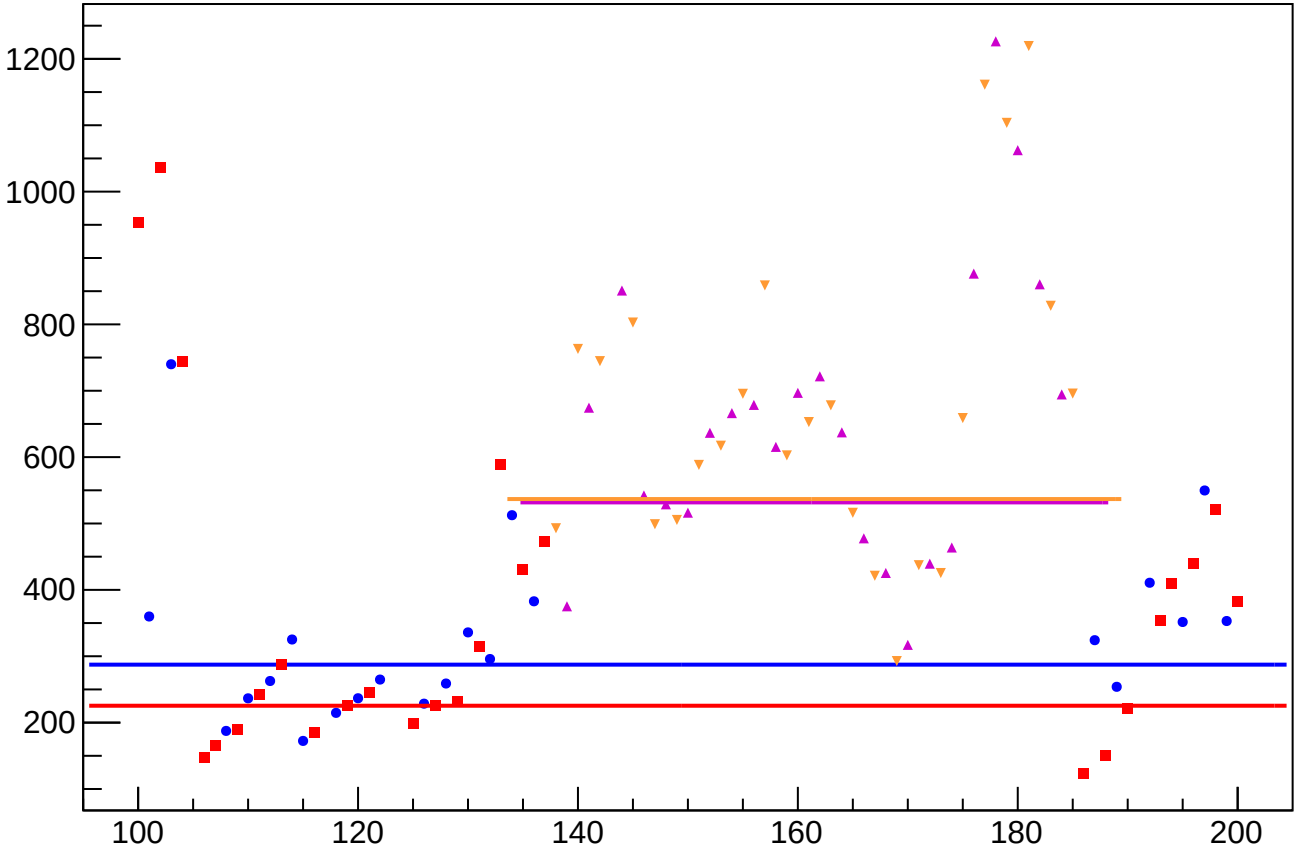
Right: 0.037+/-0.056 χ^2/NDF: 46.2/47

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.046+/-0.048 χ^2/NDF: 103.4/94

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

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

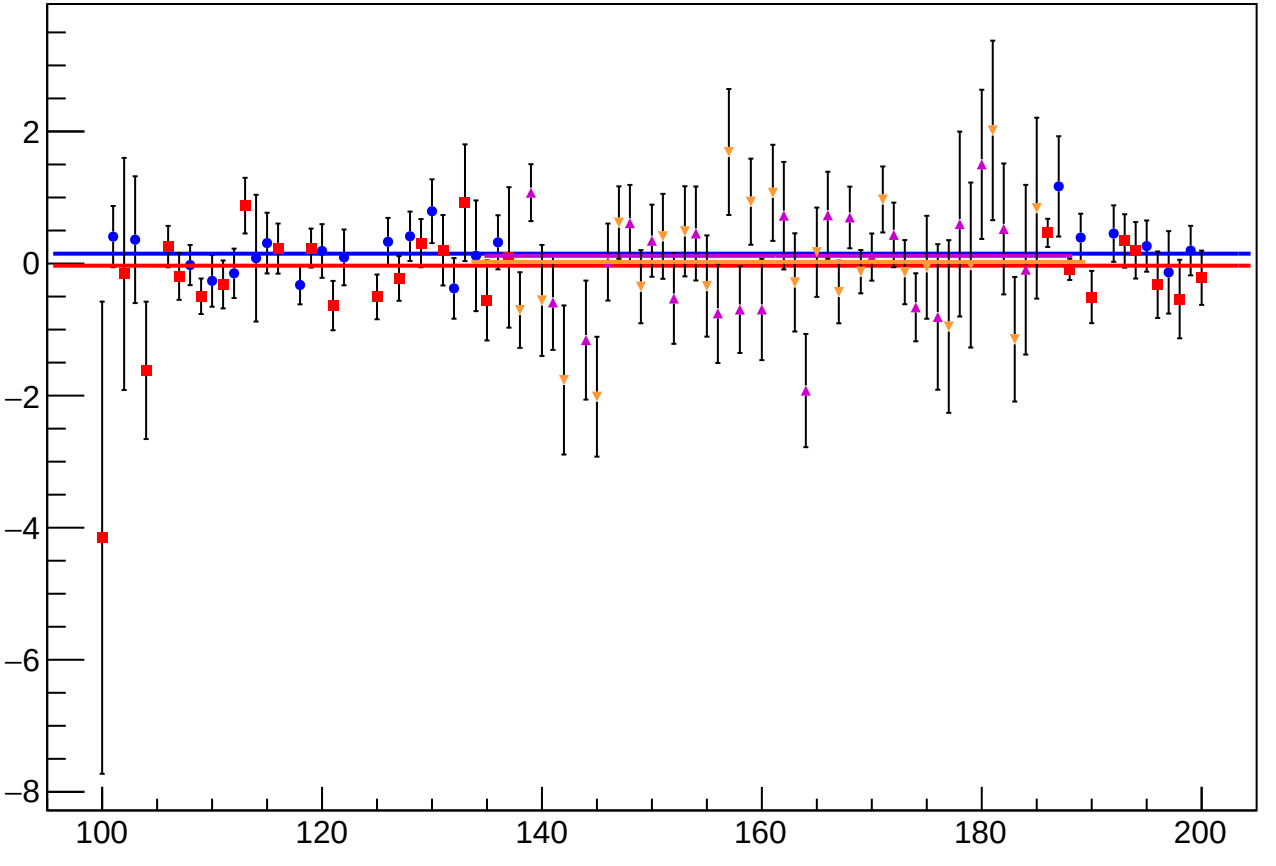
Right: 249.112+/-0.040 χ^2/NDF: 7268457.0/47

In: 365.277+/-0.053 χ^2/NDF:10055239.1/44

Out: 294.194+/-0.045 χ^2/NDF:17038799.3/49

All: 323.667+/-0.034 χ^2/NDF: 28151349.6/94

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

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

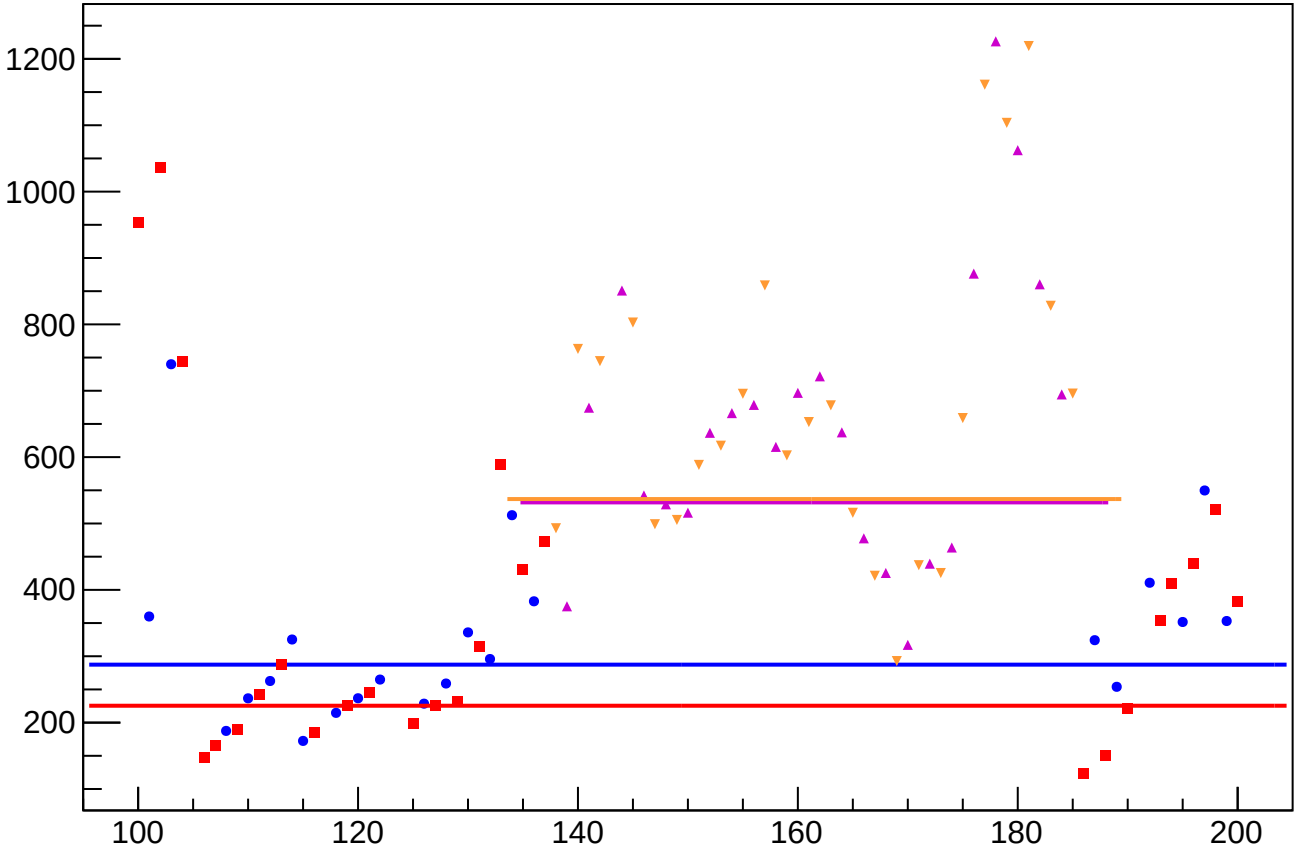
Right: 0.037+/-0.056 χ^2/NDF: 46.2/47

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.046+/-0.048 χ^2/NDF: 103.4/94

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

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

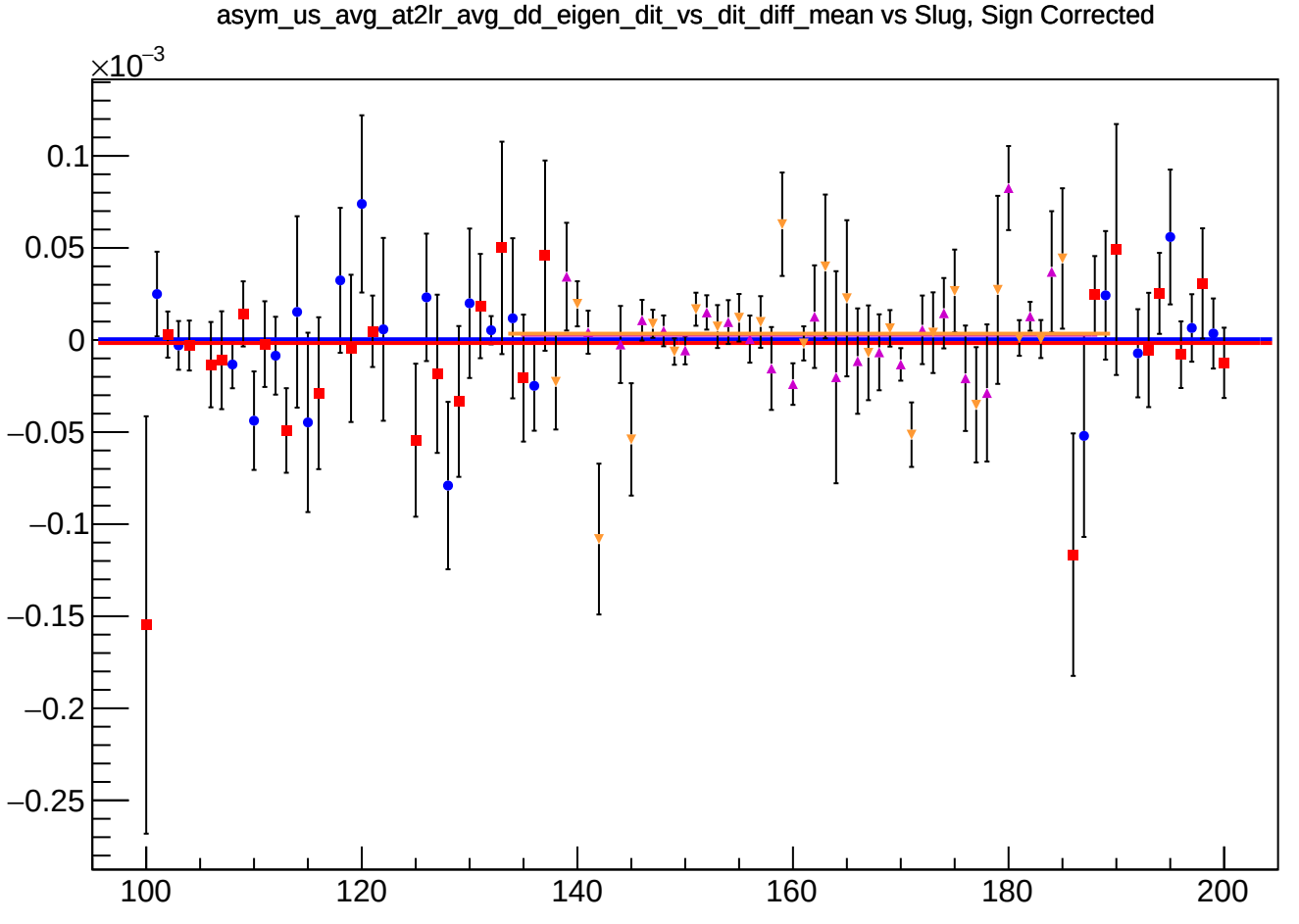
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 249.112+/-0.040 χ^2/NDF: 7268457.0/47

In: 365.277+/-0.053 χ^2/NDF:10055239.1/44

Out: 294.194+/-0.045 χ^2/NDF:17038799.3/49

All: 323.667+/-0.034 χ^2/NDF: 28151349.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

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

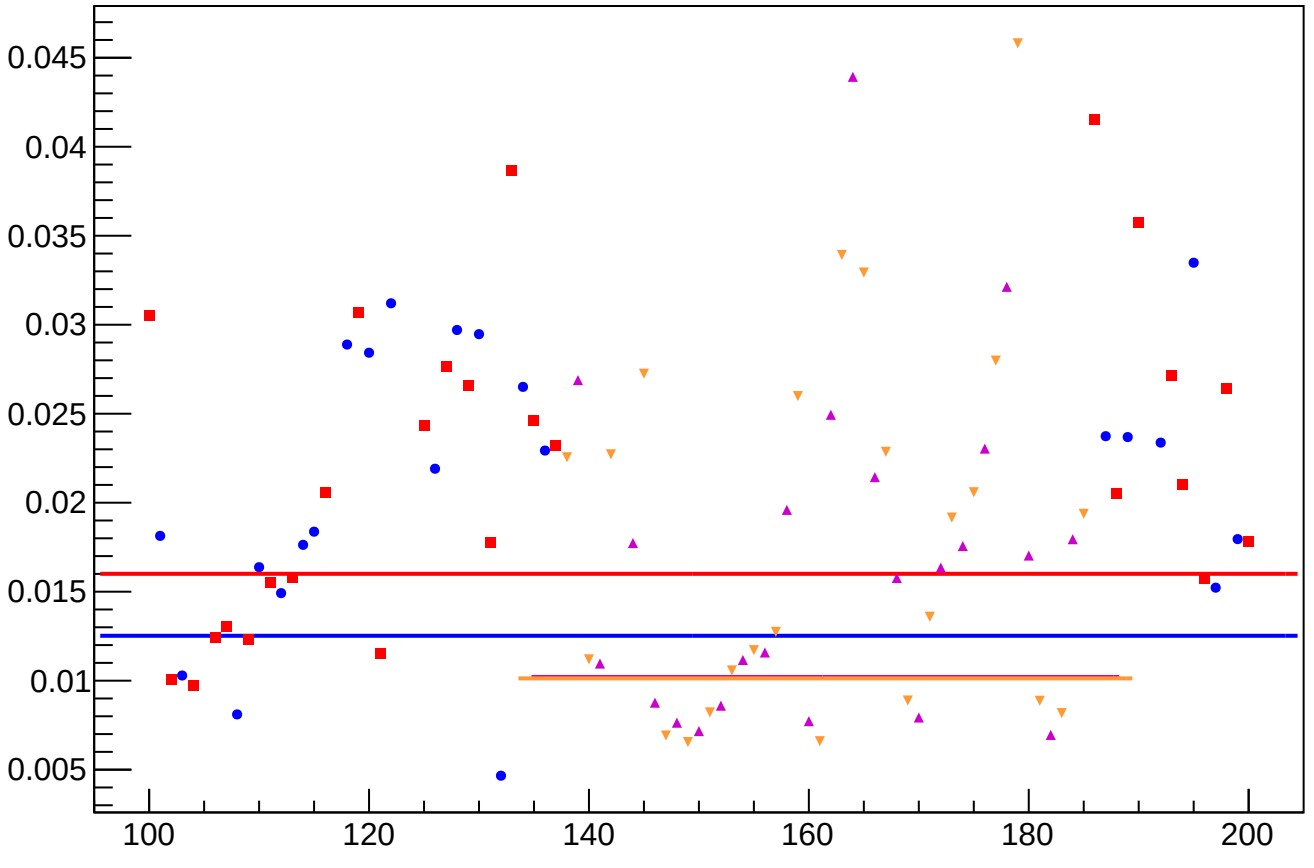
Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

Right: -0.000+/-0.000 χ^2/NDF: 39.6/47

In: 0.000+/-0.000 χ^2/NDF:50.8/44

Out: 0.000+/-0.000 χ^2/NDF:61.0/49

All: 0.000+/-0.000 χ^2/NDF: 111.8/94



Right In: 0.013+/-0.000 χ^2/NDF: 6386548.2/21

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

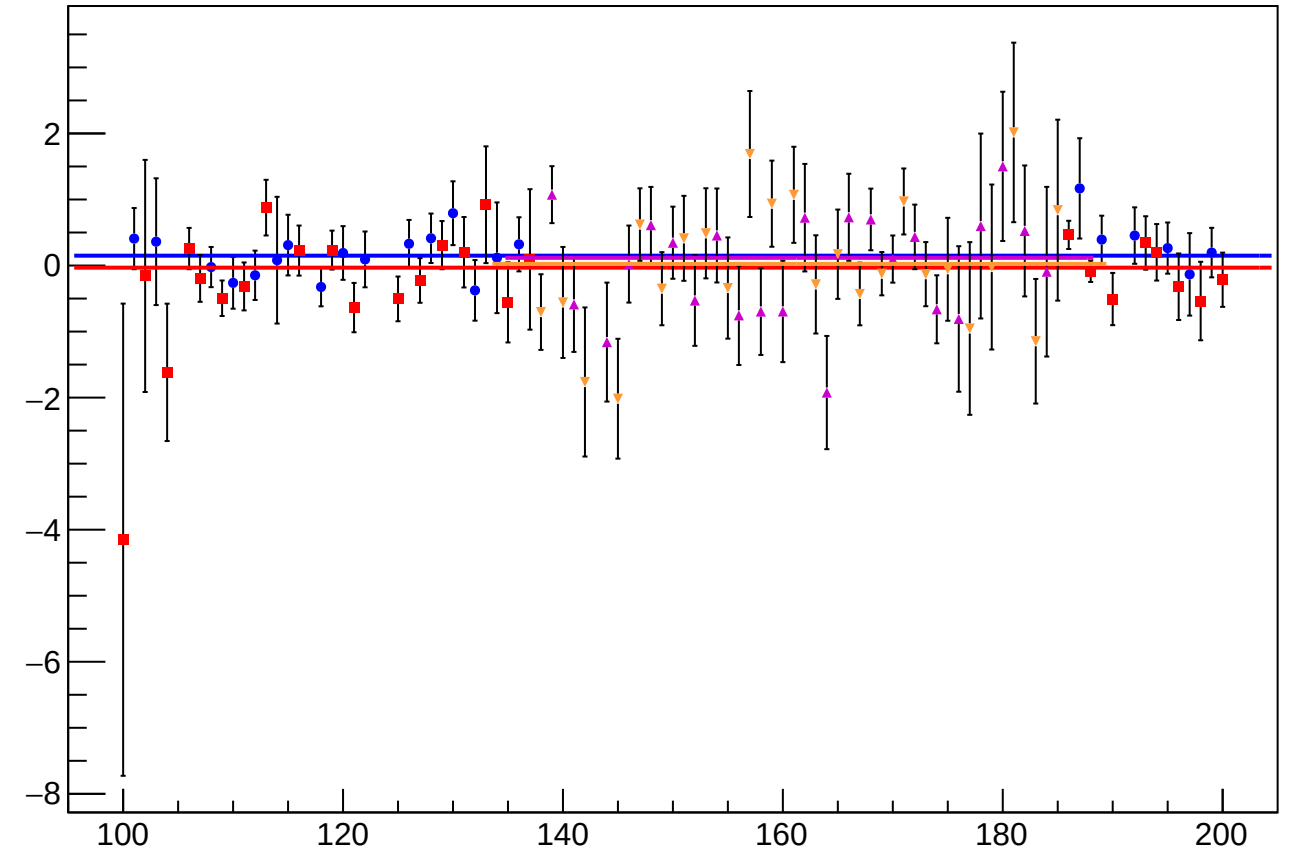
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.014+/-0.000 χ^2/NDF: 10442277.3/47

In: 0.011+/-0.000 χ^2/NDF:12849588.6/44

Out: 0.012+/-0.000 χ^2/NDF:13555653.1/49

All: 0.011+/-0.000 χ^2/NDF: 26497718.9/94



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

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

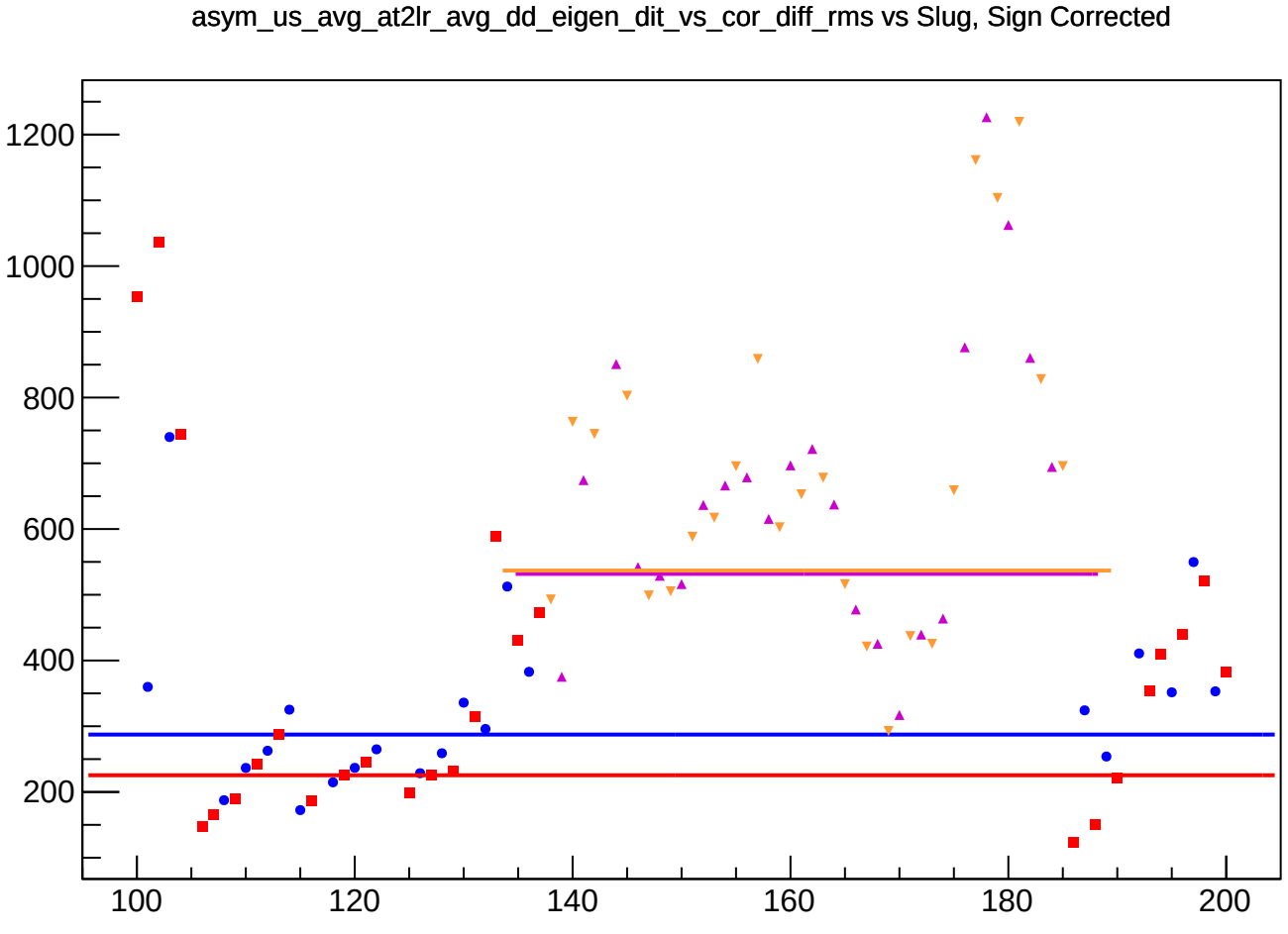
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

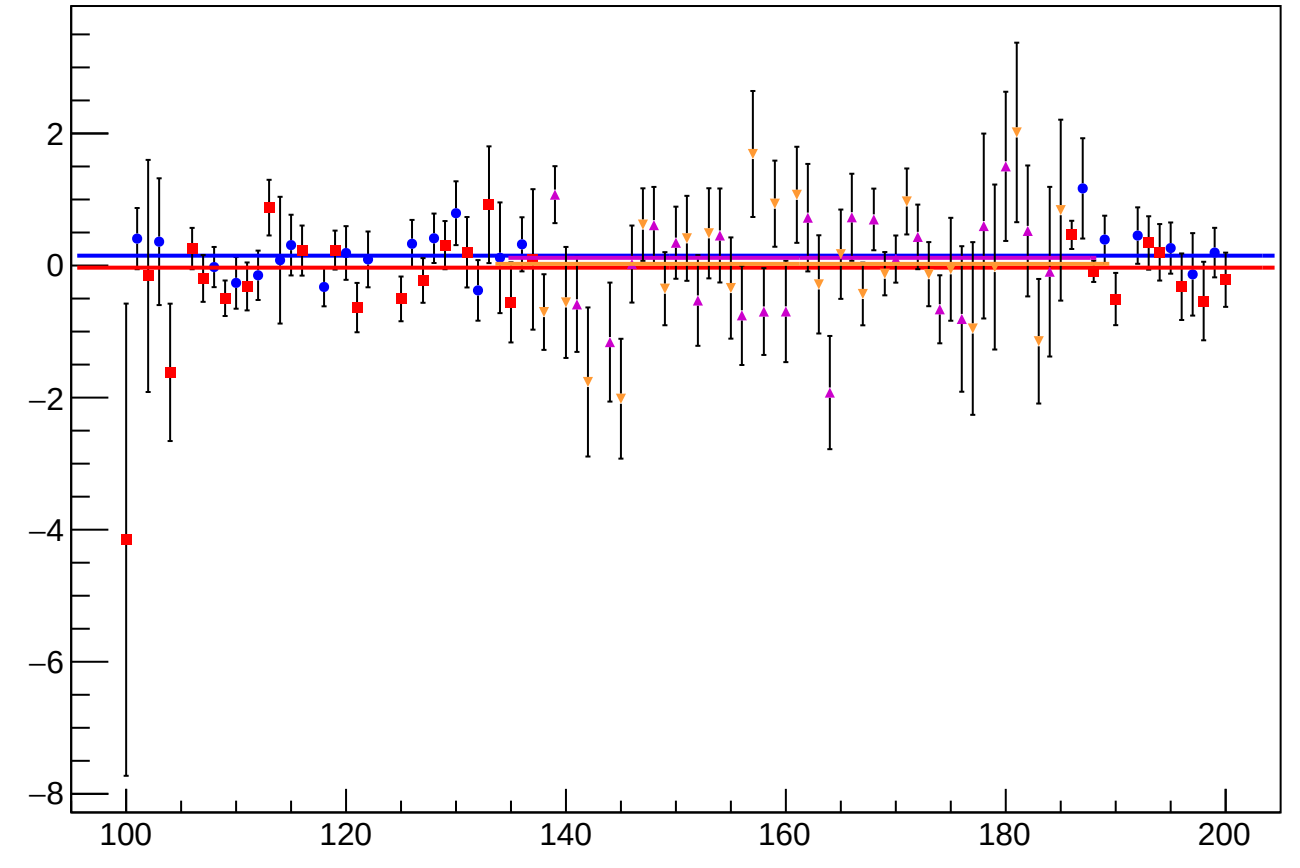
Right: 0.037+/-0.056 χ^2/NDF: 46.2/47

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.046+/-0.048 χ^2/NDF: 103.4/94


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 287.336+/-0.064 χ²/NDF: 2035367.0/21
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 225.440+/-0.050 χ²/NDF: 4657085.2/25
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 249.109+/-0.040 χ²/NDF: 7268591.1/47
In: 365.275+/-0.053 χ²/NDF:10055480.9/44
Out: 294.191+/-0.045 χ²/NDF:17039251.0/49
All: 323.665+/-0.034 χ²/NDF: 28152095.0/94



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

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

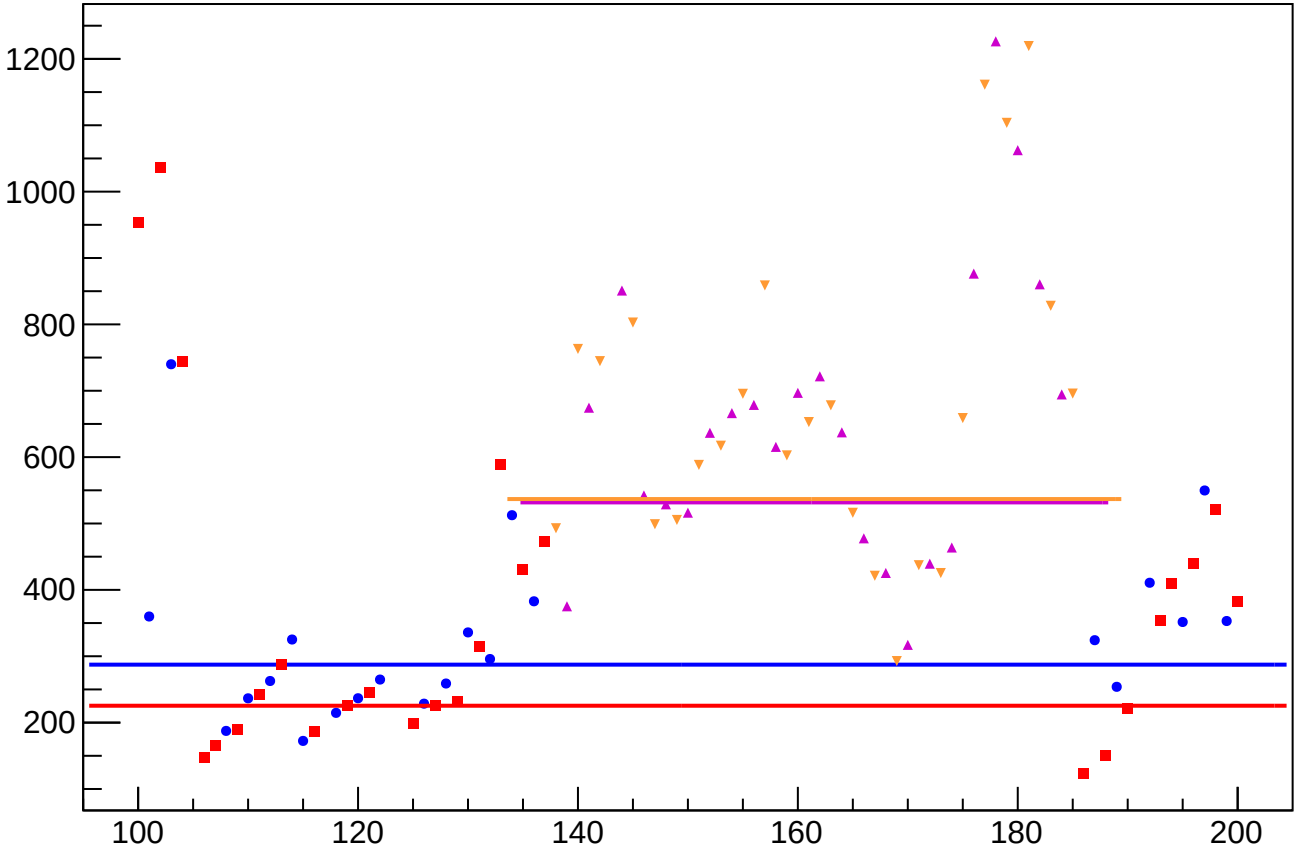
Right: 0.037+/-0.056 χ^2/NDF: 46.2/47

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.020+/-0.063 χ^2/NDF:60.7/49

All: 0.046+/-0.048 χ^2/NDF: 103.4/94

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.336+/-0.064 χ^2/NDF: 2035367.0/21

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

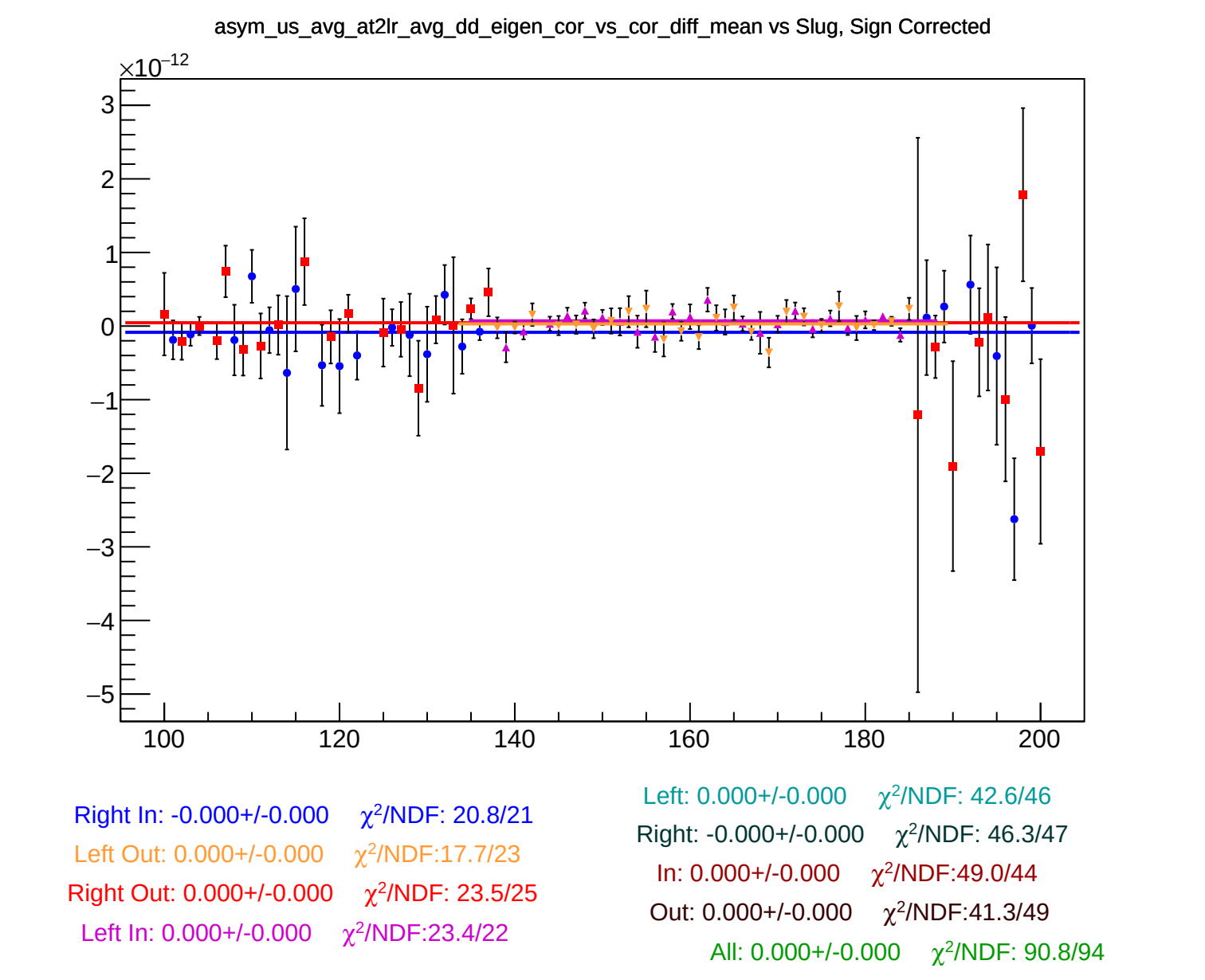
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

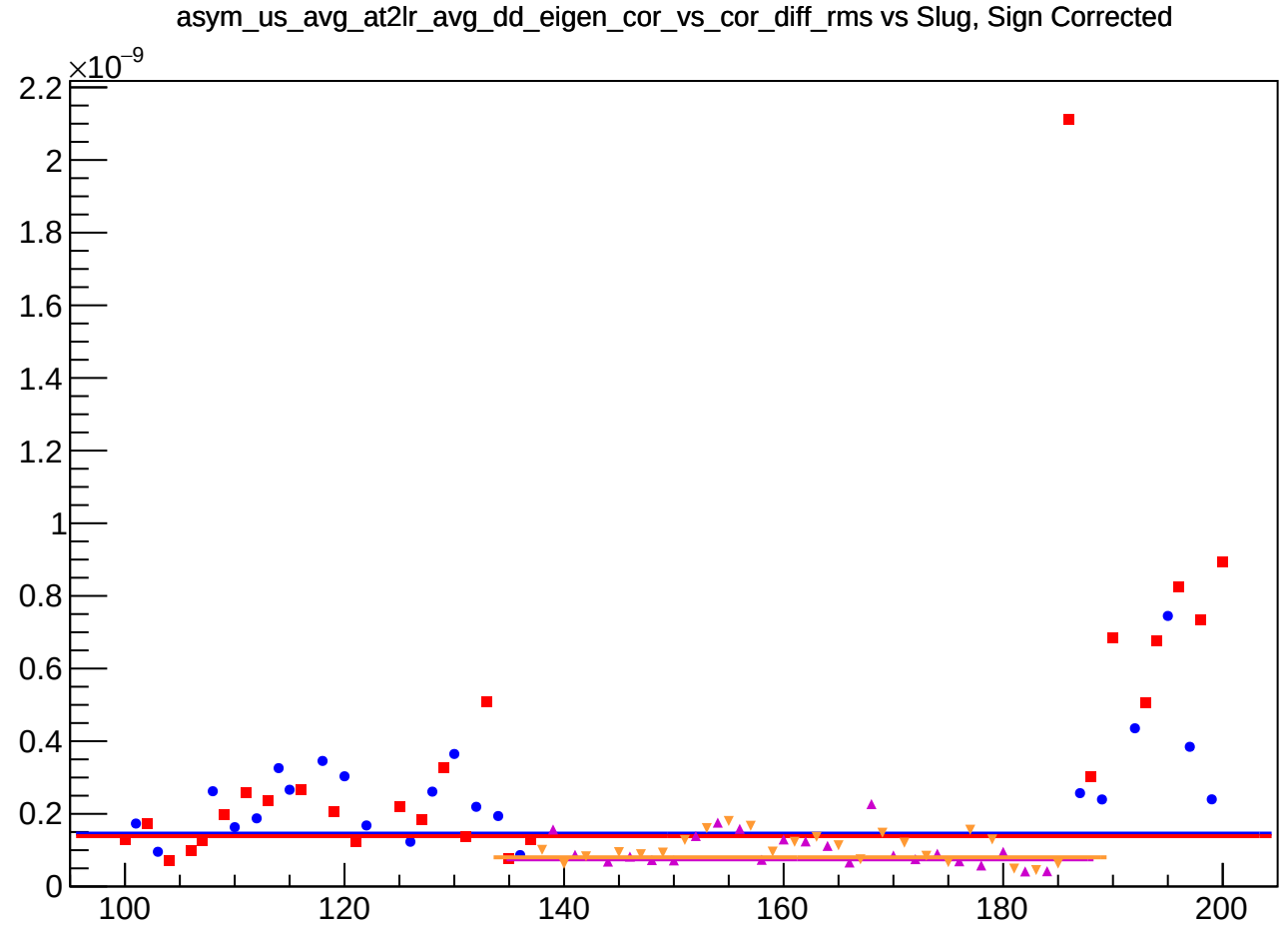
Right: 249.109+/-0.040 χ^2/NDF: 7268591.1/47

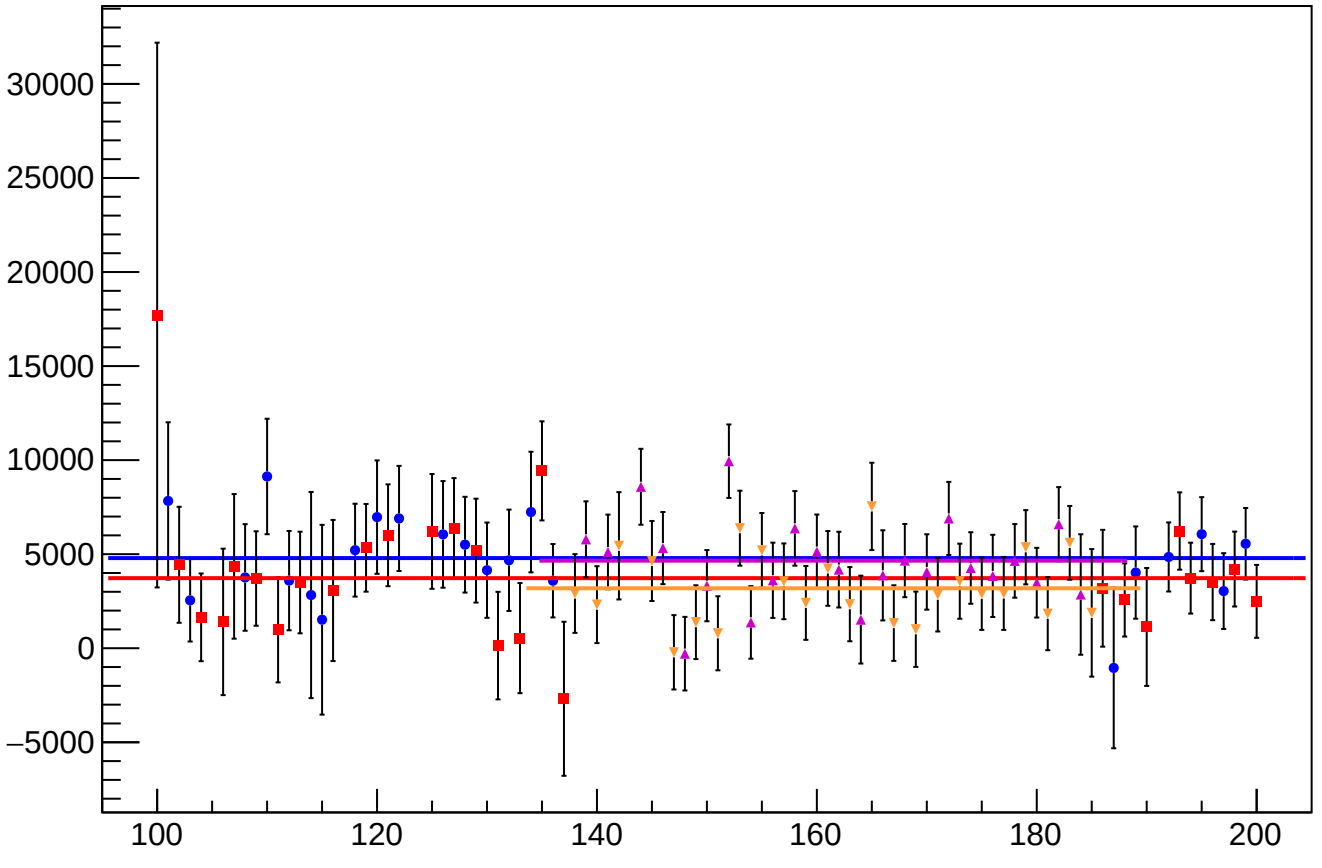
In: 365.275+/-0.053 χ^2/NDF:10055480.9/44

Out: 294.191+/-0.045 χ^2/NDF:17039251.0/49

All: 323.665+/-0.034 χ^2/NDF: 28152095.0/94


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.8/21
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/25
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 46.3/47
In: 0.000+/-0.000 χ²/NDF:49.0/44
Out: 0.000+/-0.000 χ²/NDF:41.3/49
All: 0.000+/-0.000 χ²/NDF: 90.8/94


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 3088967.9/21
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6355194.5/25
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 9455658.5/47
In: 0.000+/-0.000 χ²/NDF:8754481.5/44
Out: 0.000+/-0.000 χ²/NDF:11572068.1/49
All: 0.000+/-0.000 χ²/NDF: 20386430.4/94



Right In: 4792.404+/-546.693 χ^2/NDF: 10.2/21

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

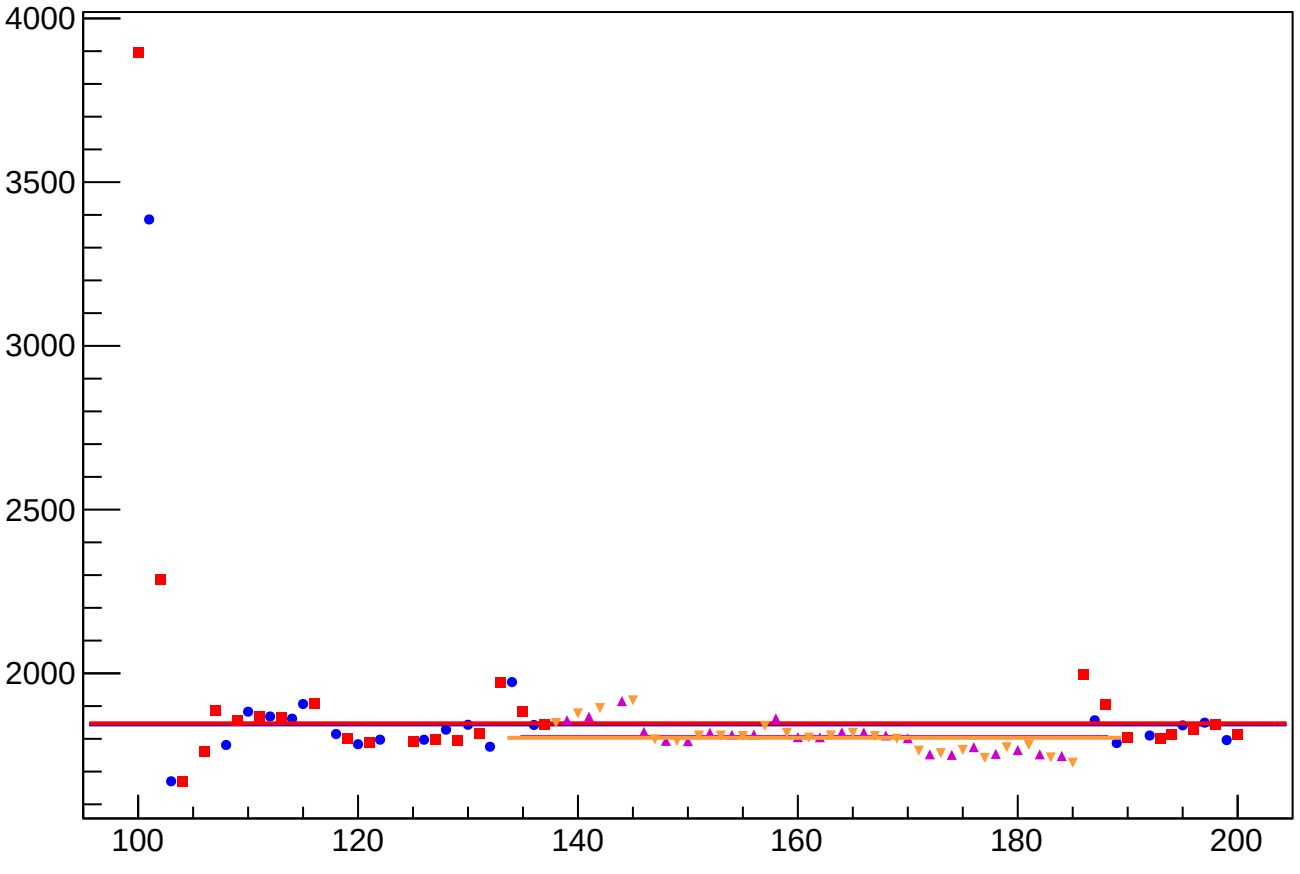
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4223.687+/-373.677 χ^2/NDF: 31.5/47

In: 4706.385+/-333.900 χ^2/NDF:37.9/44

Out: 3402.656+/-324.067 χ^2/NDF:39.8/49

All: 4035.040+/-232.549 χ^2/NDF: 85.5/94



Right In: 1844.086+/-0.387 χ^2/NDF: 296375.3/21

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

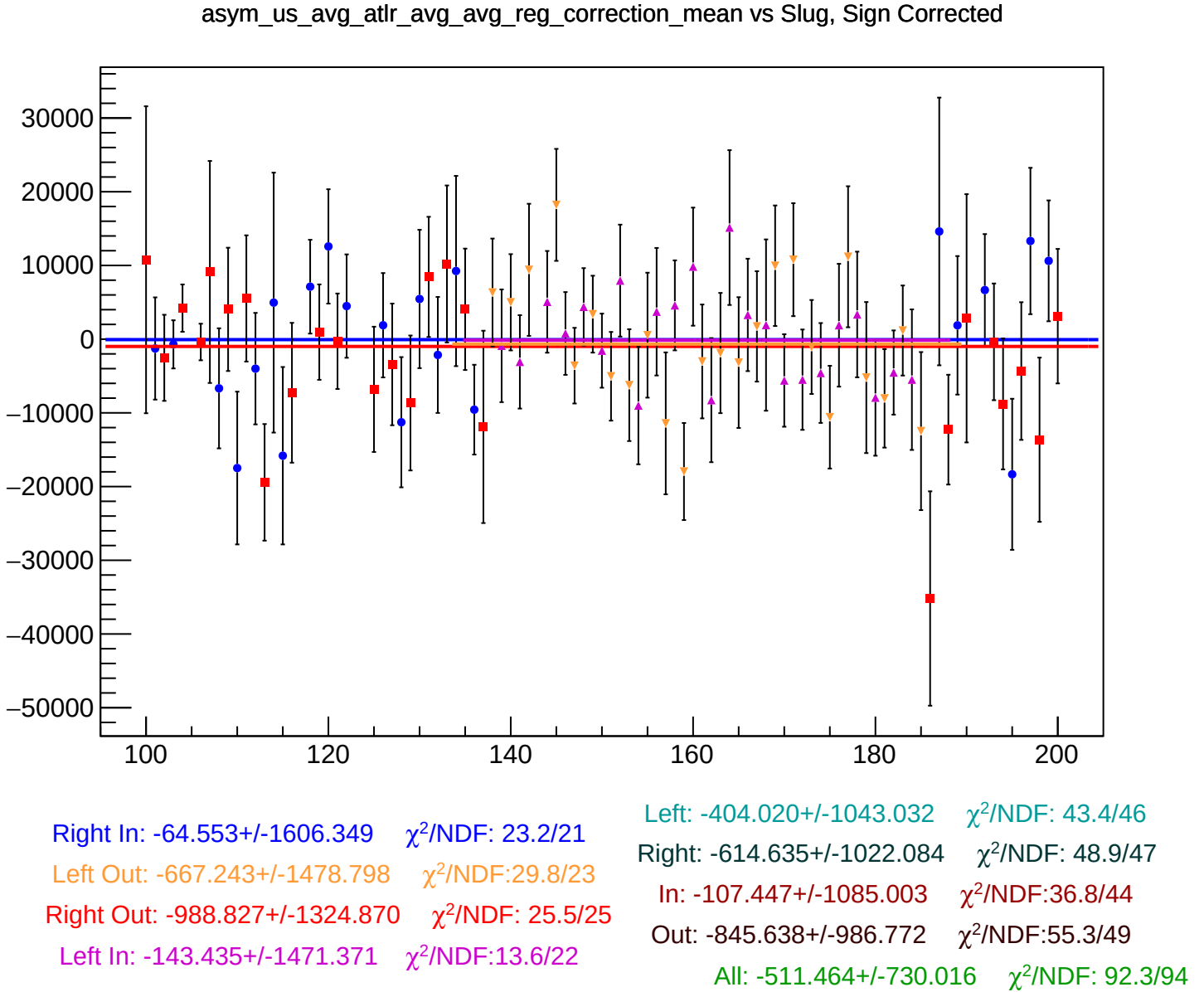
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

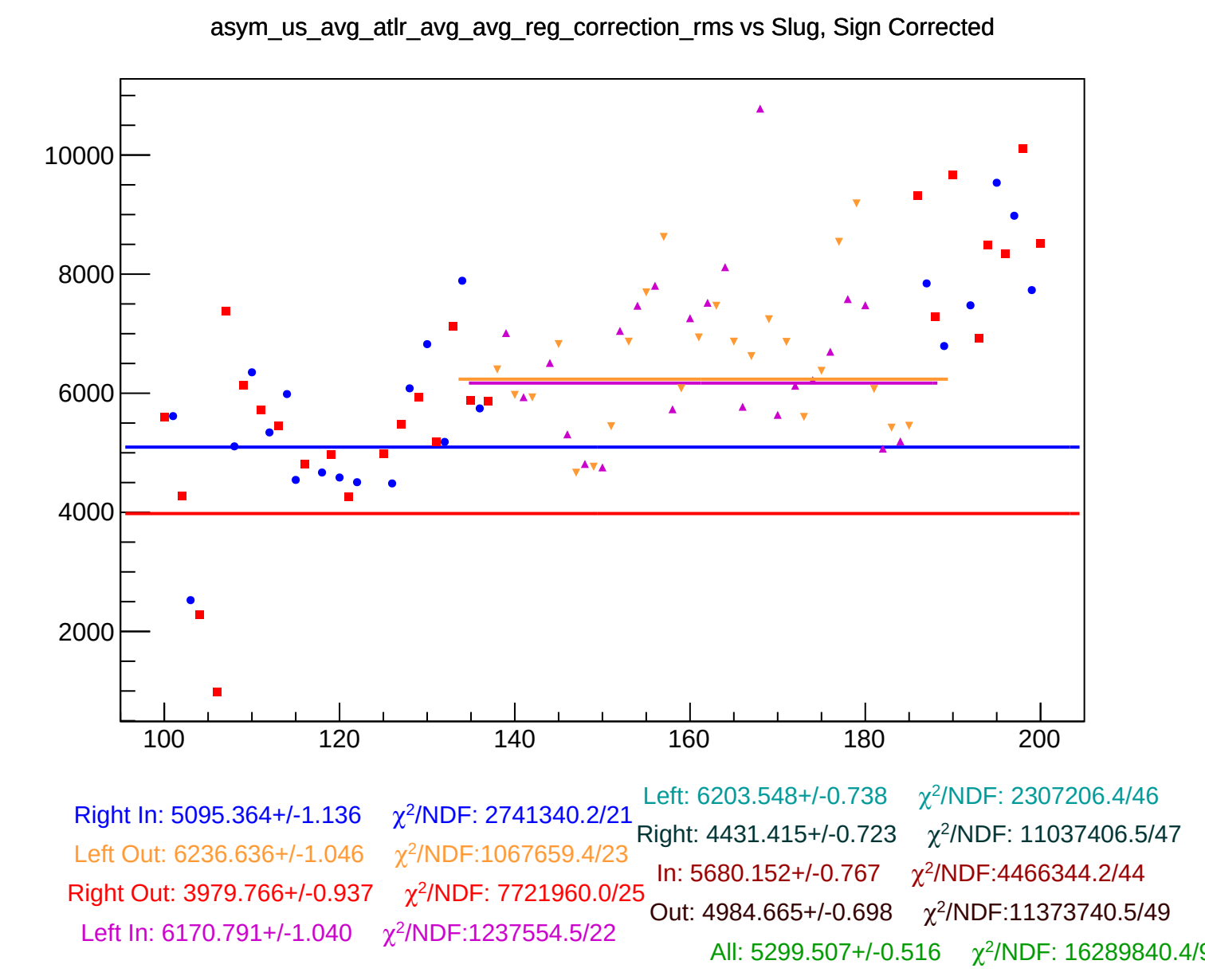
Right: 1845.870+/-0.264 χ^2/NDF: 407985.4/47

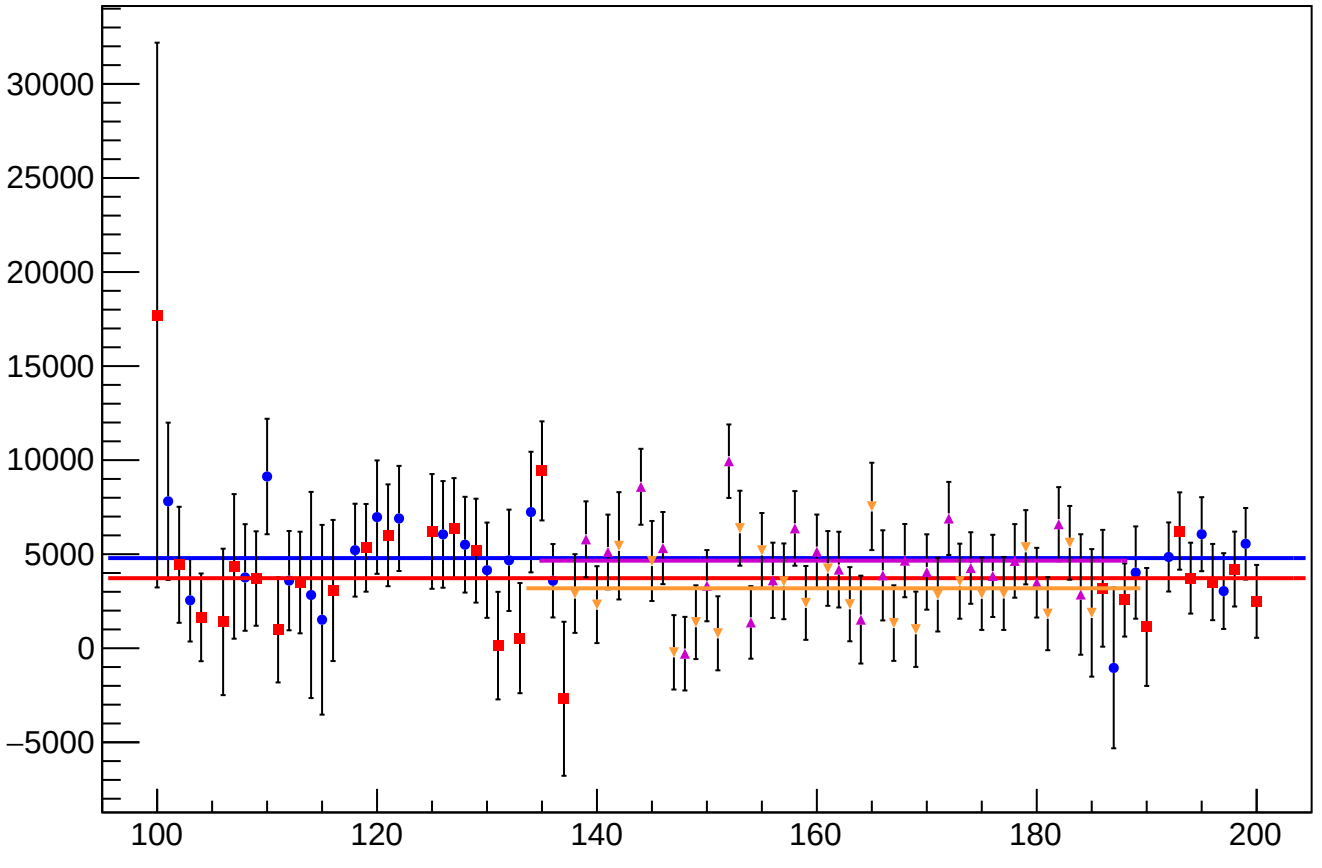
In: 1819.931+/-0.236 χ^2/NDF:321917.6/44

Out: 1820.907+/-0.229 χ^2/NDF:141209.9/49

All: 1820.434+/-0.164 χ^2/NDF: 463136.4/94


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -64.553+/-1606.349 χ²/NDF: 23.2/21
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -988.827+/-1324.870 χ²/NDF: 25.5/25
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -614.635+/-1022.084 χ²/NDF: 48.9/47
In: -107.447+/-1085.003 χ²/NDF:36.8/44
Out: -845.638+/-986.772 χ²/NDF:55.3/49
All: -511.464+/-730.016 χ²/NDF: 92.3/94


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5095.364+/-1.136 χ²/NDF: 2741340.2/21
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3979.766+/-0.937 χ²/NDF: 7721960.0/25
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4431.415+/-0.723 χ²/NDF: 11037406.5/47
In: 5680.152+/-0.767 χ²/NDF:4466344.2/44
Out: 4984.665+/-0.698 χ²/NDF:11373740.5/49
All: 5299.507+/-0.516 χ²/NDF: 16289840.4/9



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

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

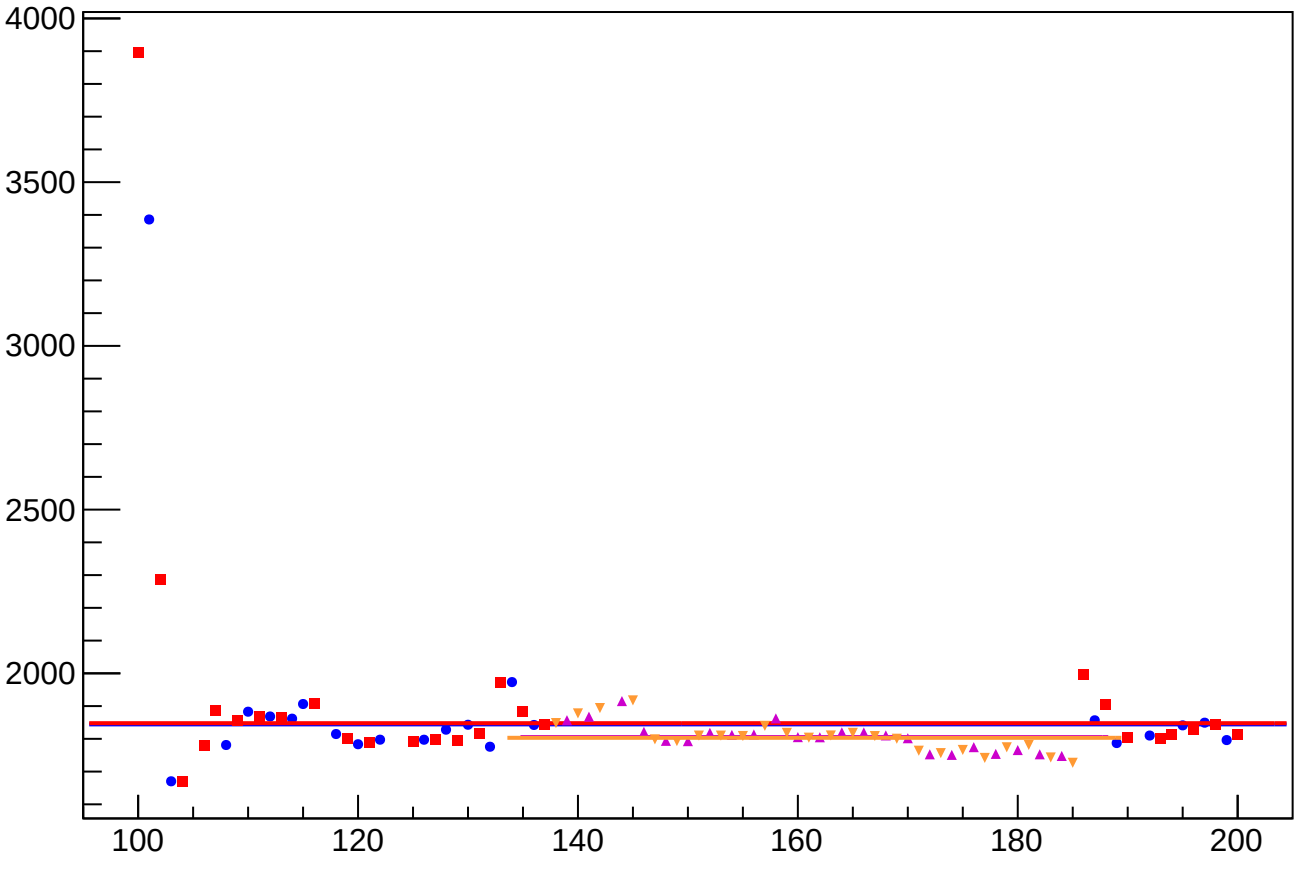
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4223.505+/-373.677 χ^2/NDF: 31.5/47

In: 4706.300+/-333.901 χ^2/NDF:37.9/44

Out: 3402.569+/-324.067 χ^2/NDF:39.8/49

All: 4034.954+/-232.549 χ^2/NDF: 85.5/94



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

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

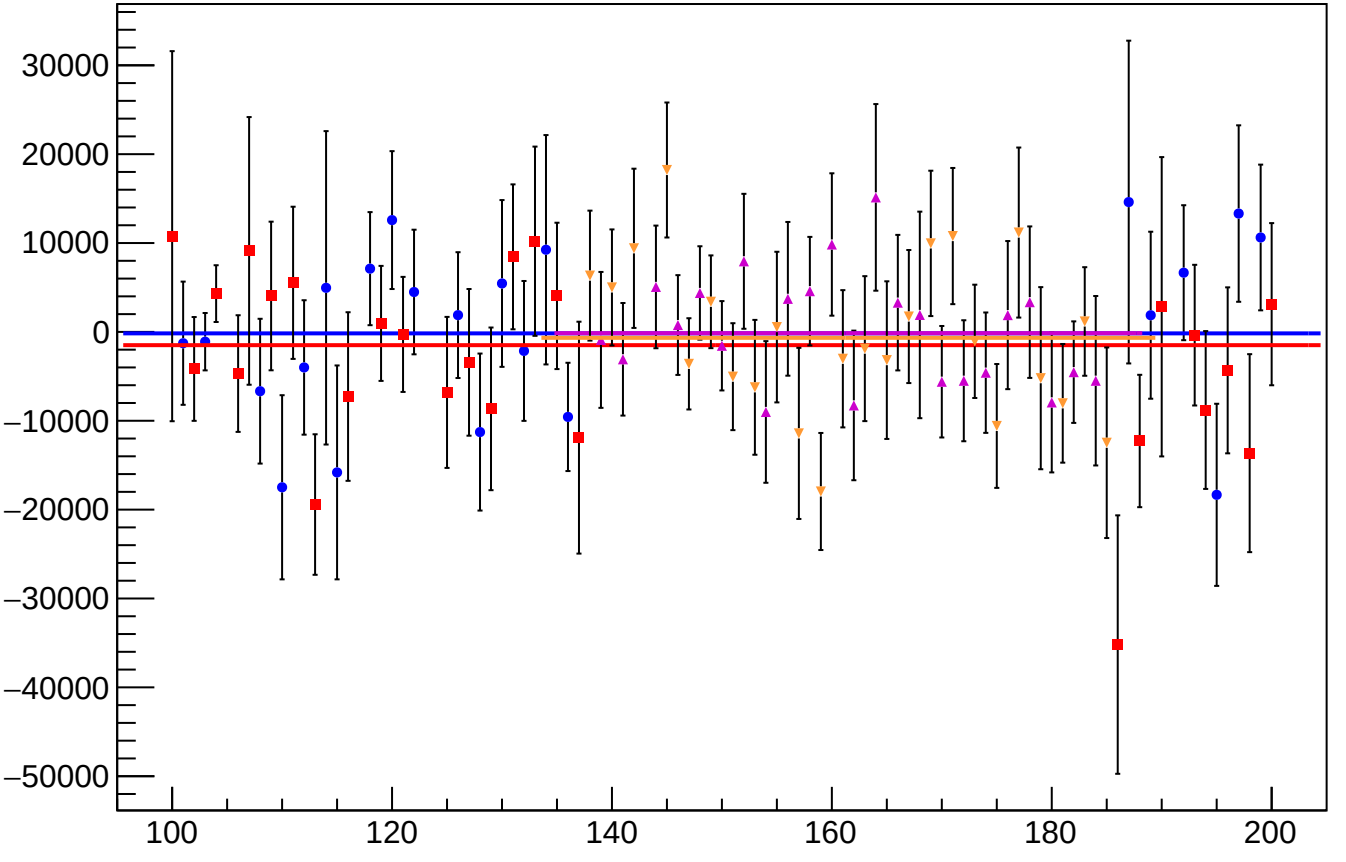
Right: 1846.073+/-0.264 χ^2/NDF: 407562.9/47

In: 1819.931+/-0.236 χ^2/NDF:321919.5/44

Out: 1821.057+/-0.229 χ^2/NDF:140929.5/49

All: 1820.511+/-0.164 χ^2/NDF: 462860.8/94

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -165.798+/-1601.586 χ^2/NDF: 23.3/21

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

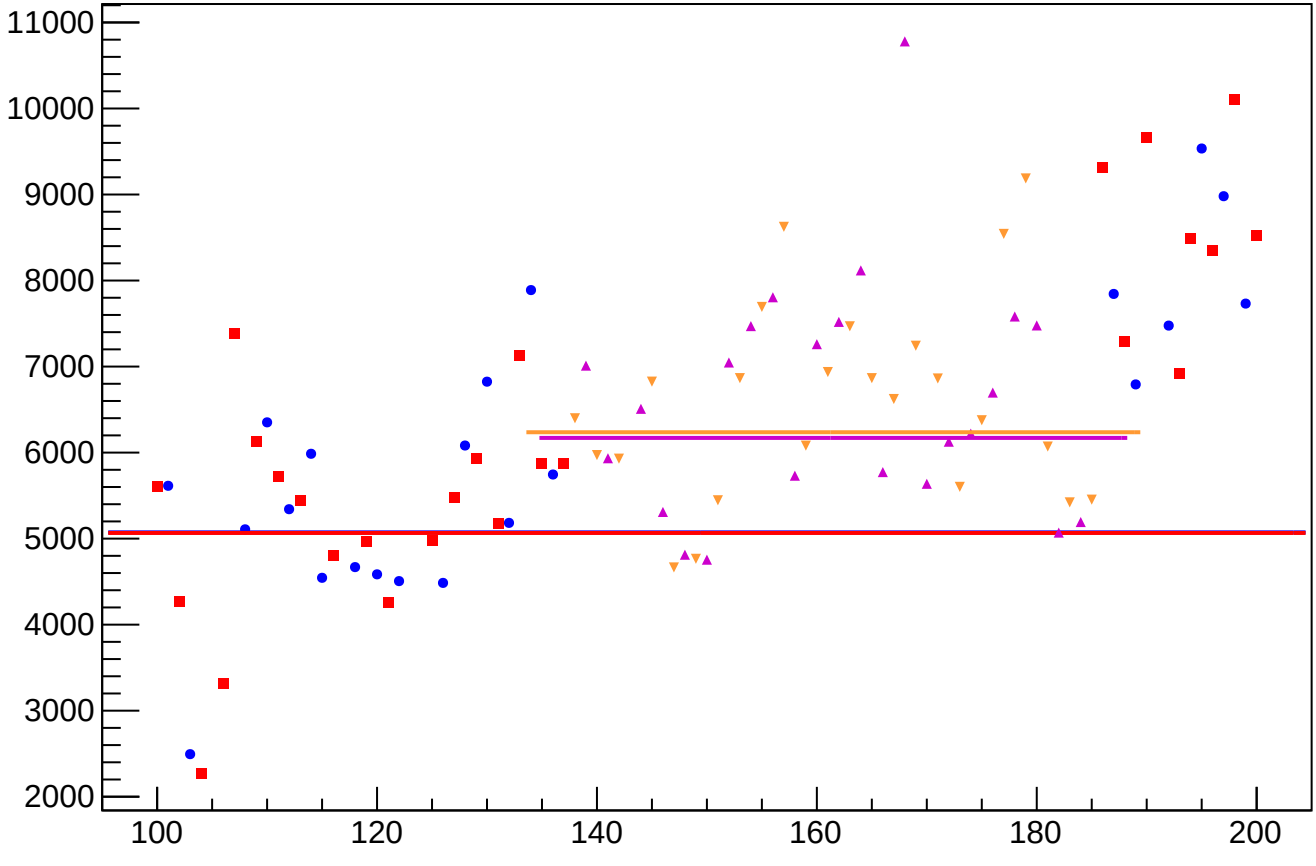
Right: -862.934+/-1103.414 χ^2/NDF: 49.6/47

In: -153.635+/-1083.531 χ^2/NDF:36.8/44

Out: -1068.044+/-1060.732 χ^2/NDF:55.9/49

All: -620.561+/-757.983 χ^2/NDF: 93.1/94

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

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

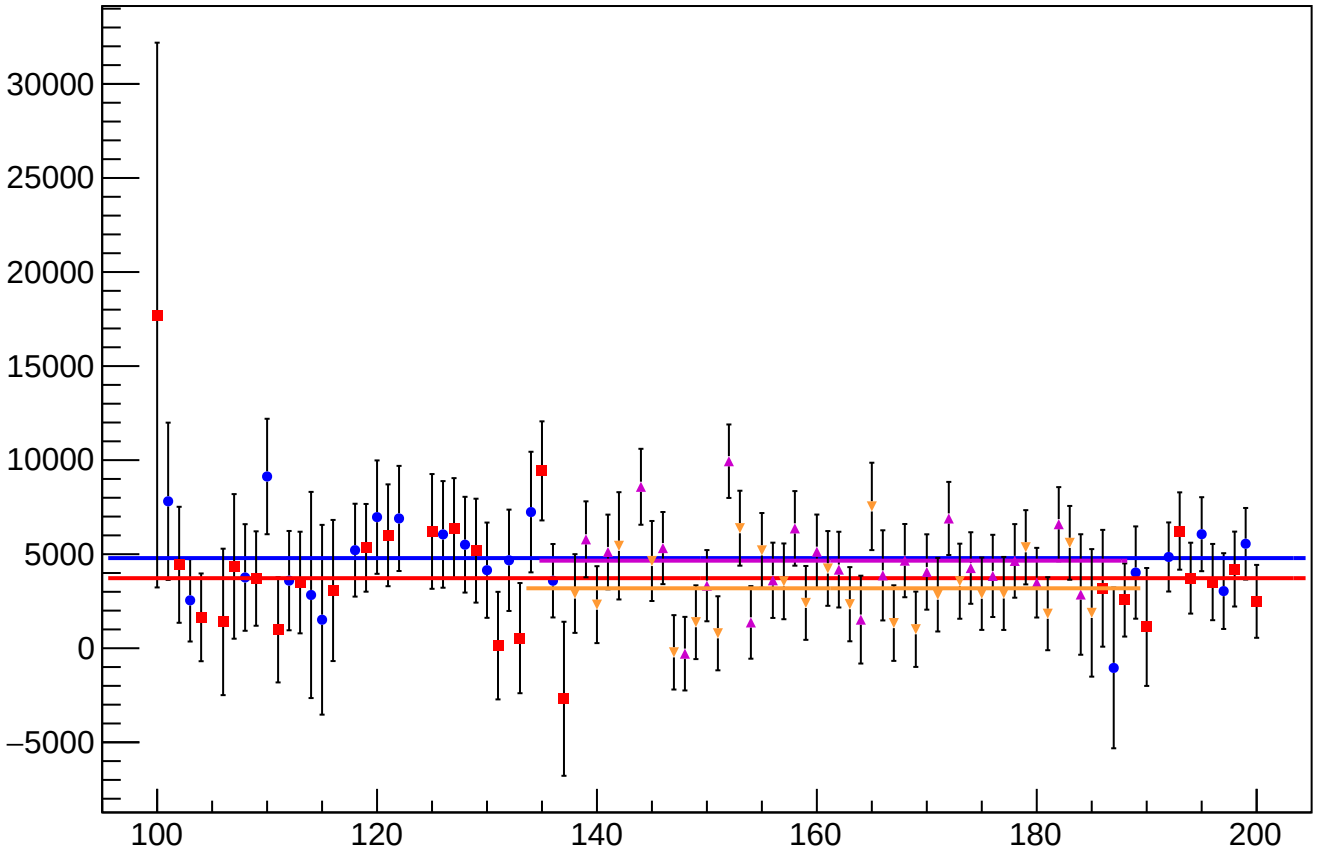
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5069.113+/-0.780 χ^2/NDF: 6618462.8/47

In: 5668.123+/-0.766 χ^2/NDF:4549392.7/44

Out: 5668.307+/-0.750 χ^2/NDF:5492729.9/49

All: 5668.217+/-0.536 χ^2/NDF: 10042122.7/9



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

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

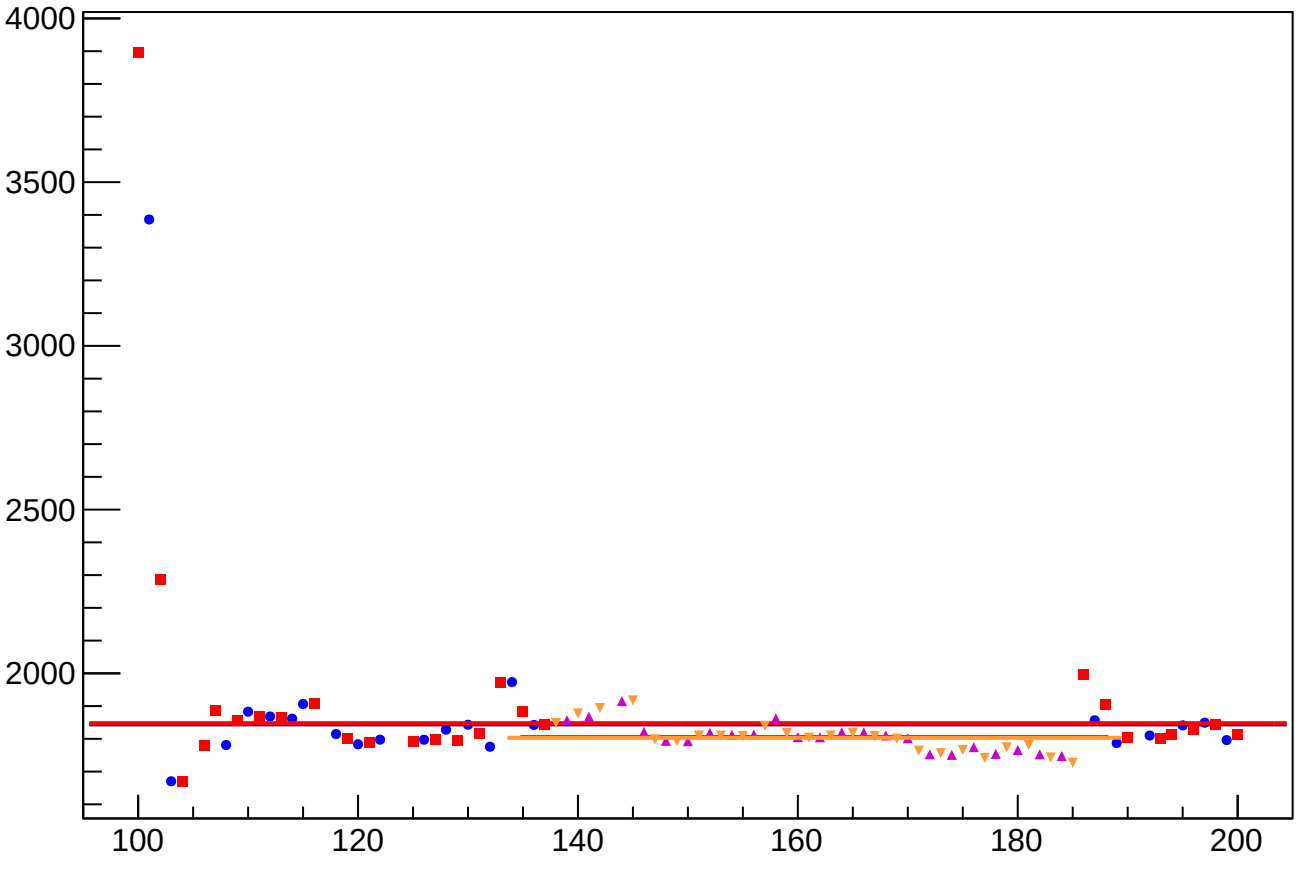
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4223.505+/-373.677 χ^2/NDF: 31.5/47

In: 4706.300+/-333.901 χ^2/NDF:37.9/44

Out: 3402.569+/-324.067 χ^2/NDF:39.8/49

All: 4034.954+/-232.549 χ^2/NDF: 85.5/94



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

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

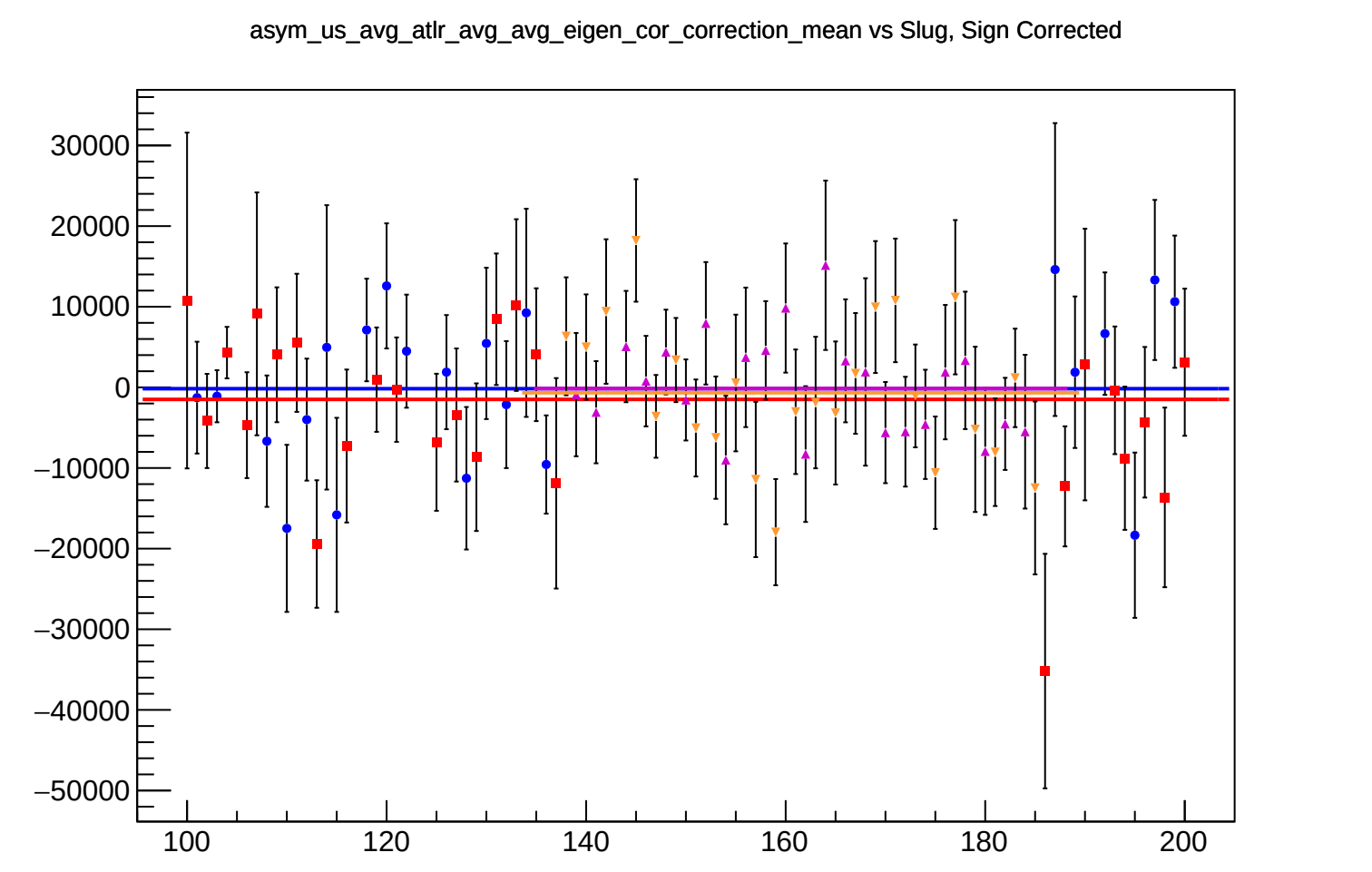
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1846.073+/-0.264 χ^2/NDF: 407562.9/47

In: 1819.931+/-0.236 χ^2/NDF:321919.5/44

Out: 1821.057+/-0.229 χ^2/NDF:140929.5/49

All: 1820.511+/-0.164 χ^2/NDF: 462860.8/94



Right In: -165.798+/-1601.586 χ^2/NDF: 23.3/21

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

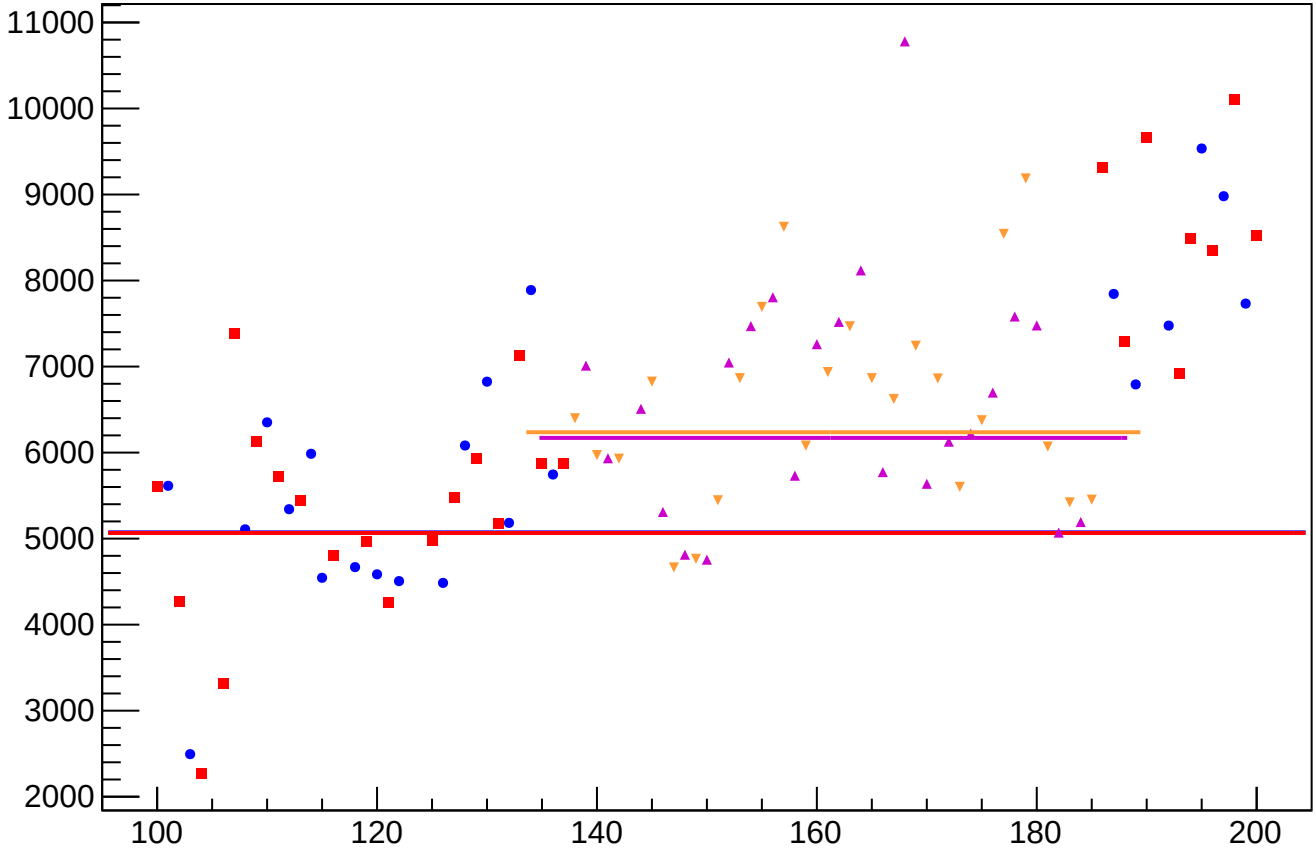
Right: -862.934+/-1103.414 χ^2/NDF: 49.6/47

In: -153.635+/-1083.531 χ^2/NDF:36.8/44

Out: -1068.044+/-1060.732 χ^2/NDF:55.9/49

All: -620.561+/-757.983 χ^2/NDF: 93.1/94

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

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

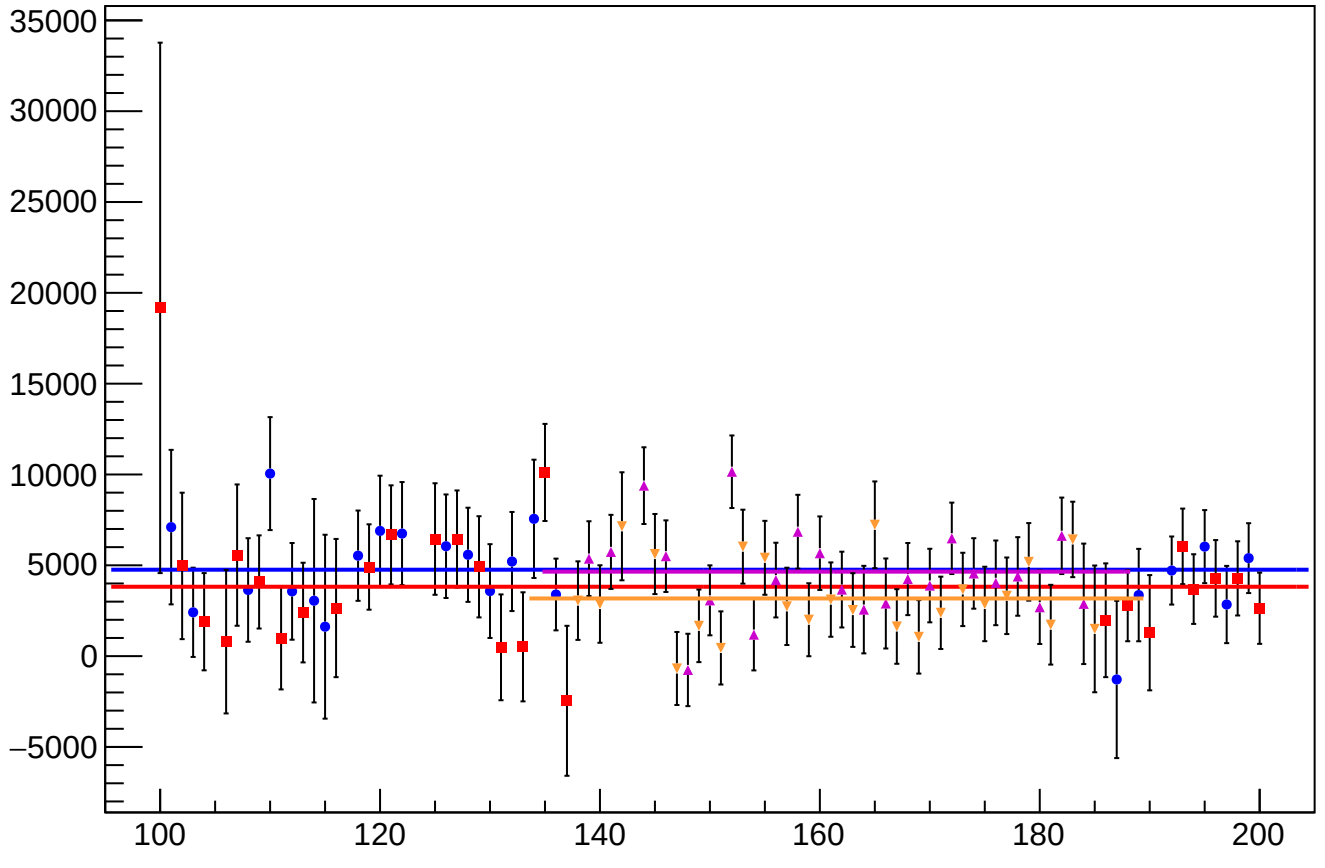
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5069.113+/-0.780 χ^2/NDF: 6618462.8/47

In: 5668.123+/-0.766 χ^2/NDF:4549392.7/44

Out: 5668.307+/-0.750 χ^2/NDF:5492729.9/49

All: 5668.217+/-0.536 χ^2/NDF: 10042122.7/9



Right In: 4757.907+/-559.685 χ^2/NDF: 11.4/21

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

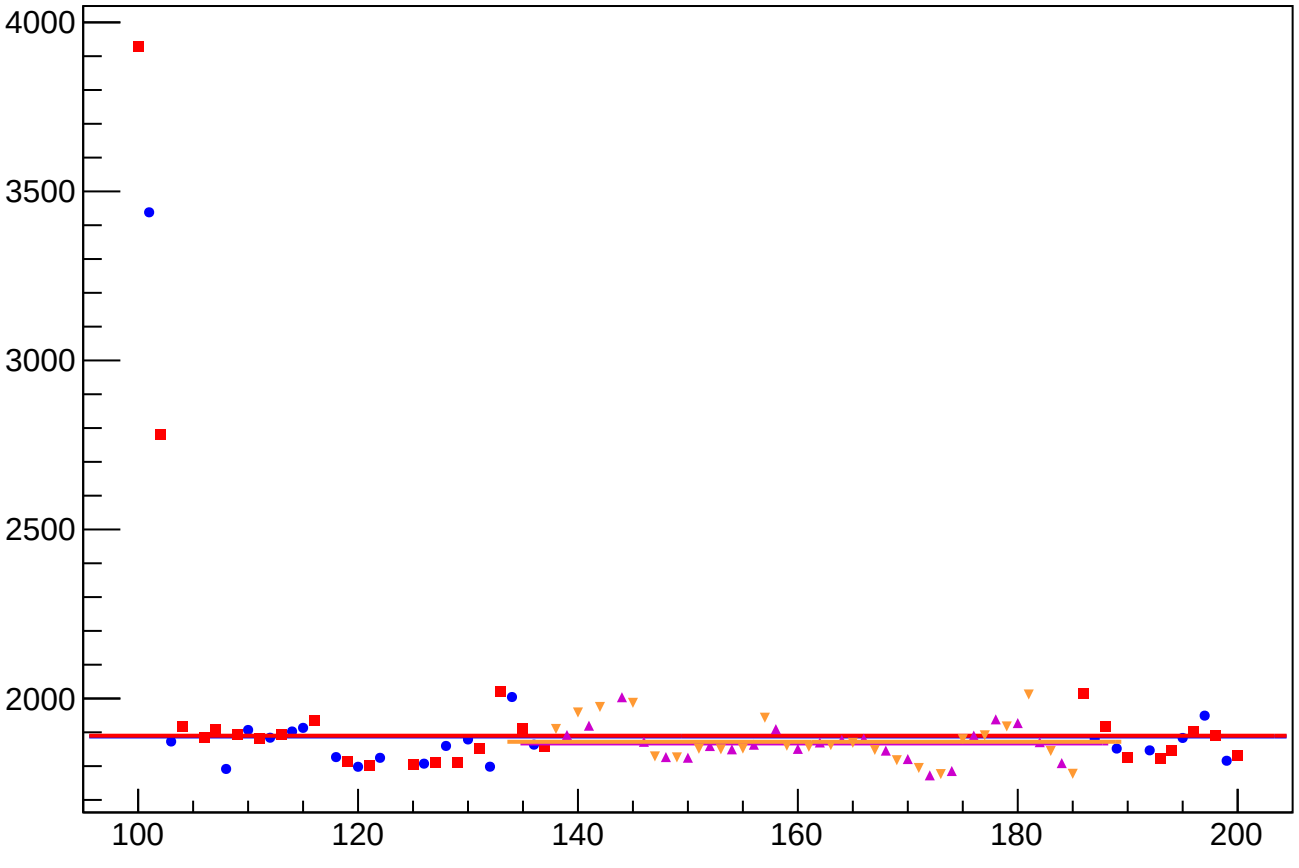
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4259.131+/-383.013 χ^2/NDF: 33.1/47

In: 4691.063+/-344.049 χ^2/NDF:41.9/44

Out: 3436.914+/-334.946 χ^2/NDF:42.8/49

All: 4047.178+/-239.997 χ^2/NDF: 91.5/94



Right In: 1887.658+/-0.396 χ^2/NDF: 284890.5/21

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

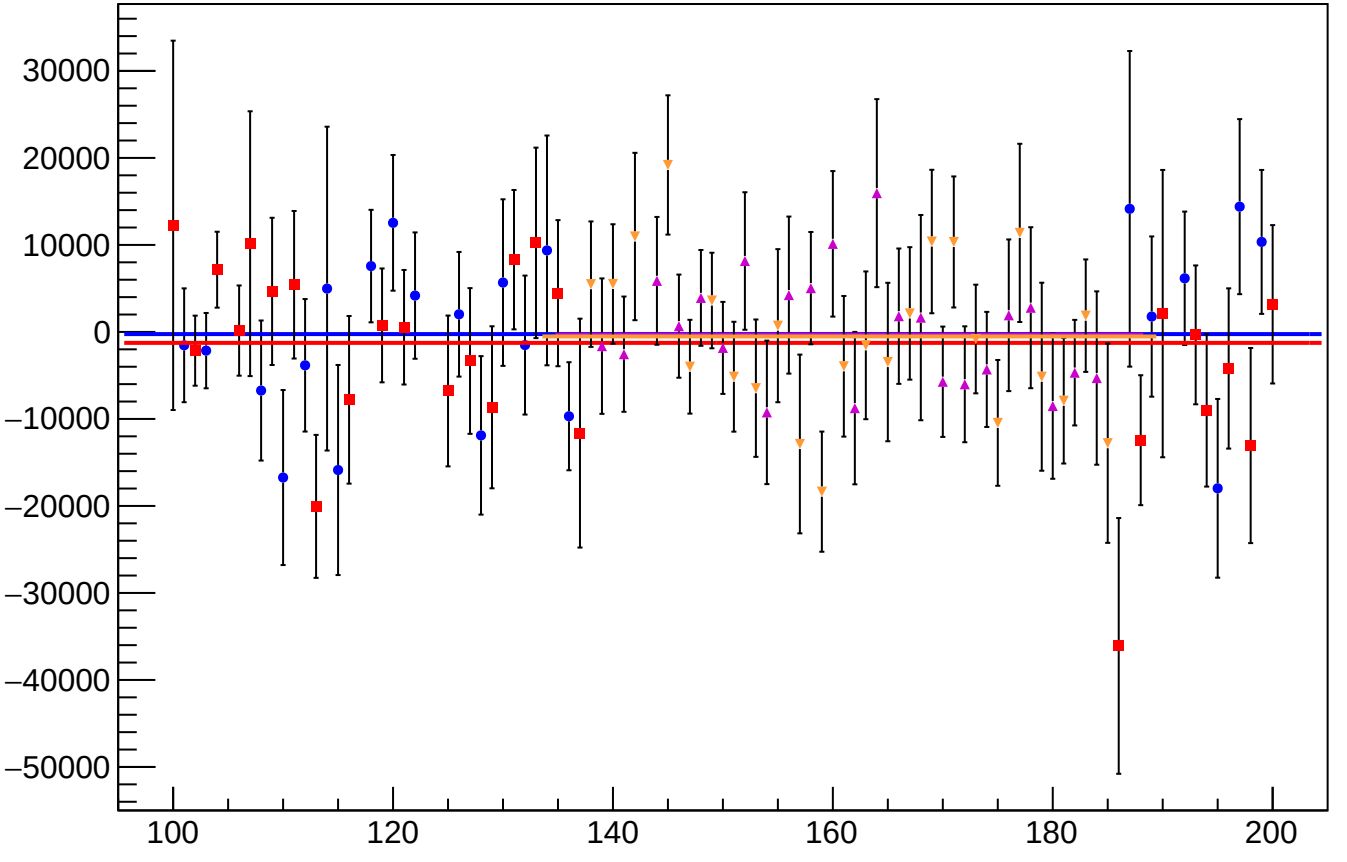
Right: 1888.879+/-0.271 χ^2/NDF: 445150.6/47

In: 1874.855+/-0.243 χ^2/NDF:313819.4/44

Out: 1879.293+/-0.237 χ^2/NDF:198787.6/49

All: 1877.134+/-0.170 χ^2/NDF: 512777.8/94

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -248.858+/-1704.993 χ^2/NDF: 23.2/21

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1257.538+/-1529.126 χ^2/NDF: 26.6/25

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

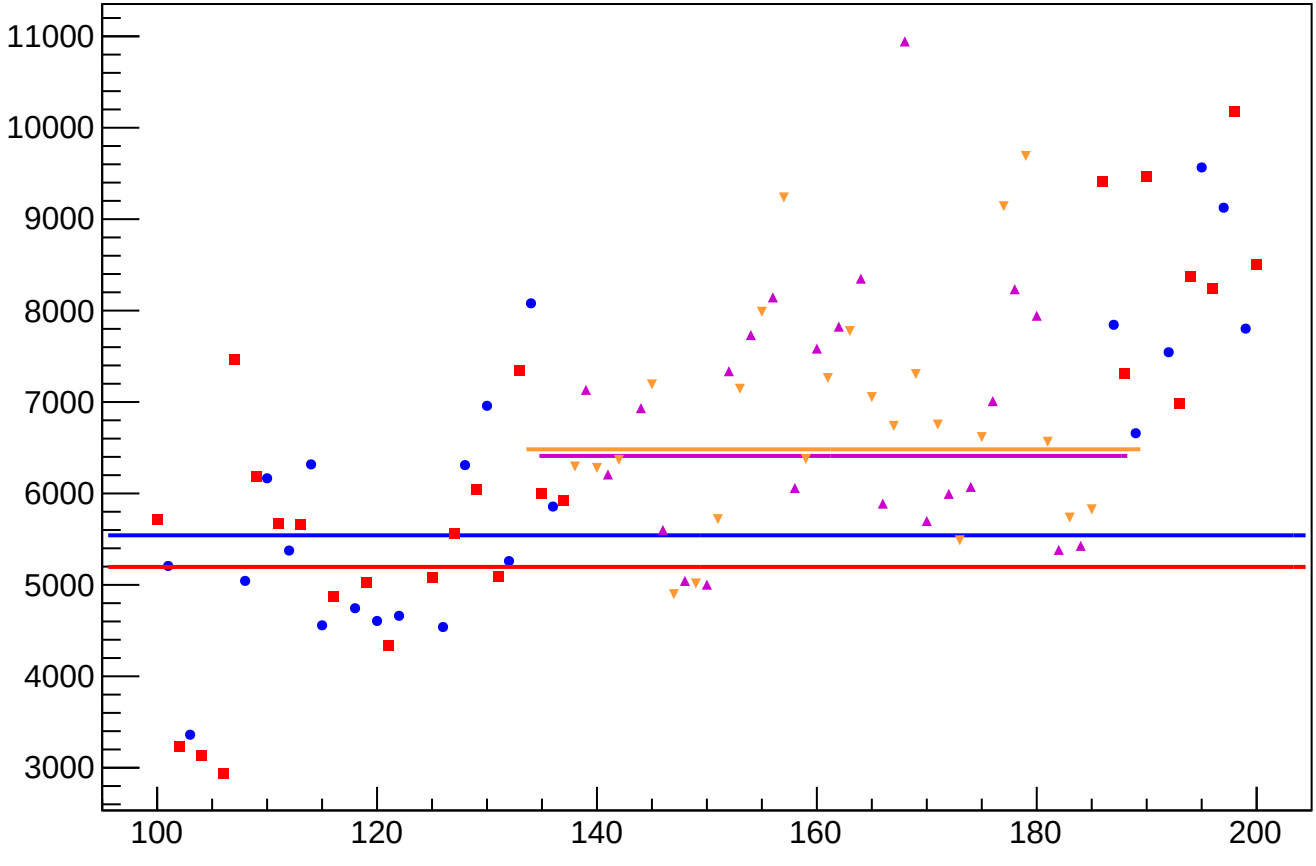
Right: -807.887+/-1138.371 χ^2/NDF: 50.0/47

In: -290.877+/-1137.904 χ^2/NDF:36.6/44

Out: -890.742+/-1083.953 χ^2/NDF:55.9/49

All: -605.367+/-784.850 χ^2/NDF: 92.7/94

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5542.093+/-1.206 χ^2/NDF: 1721425.0/21

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

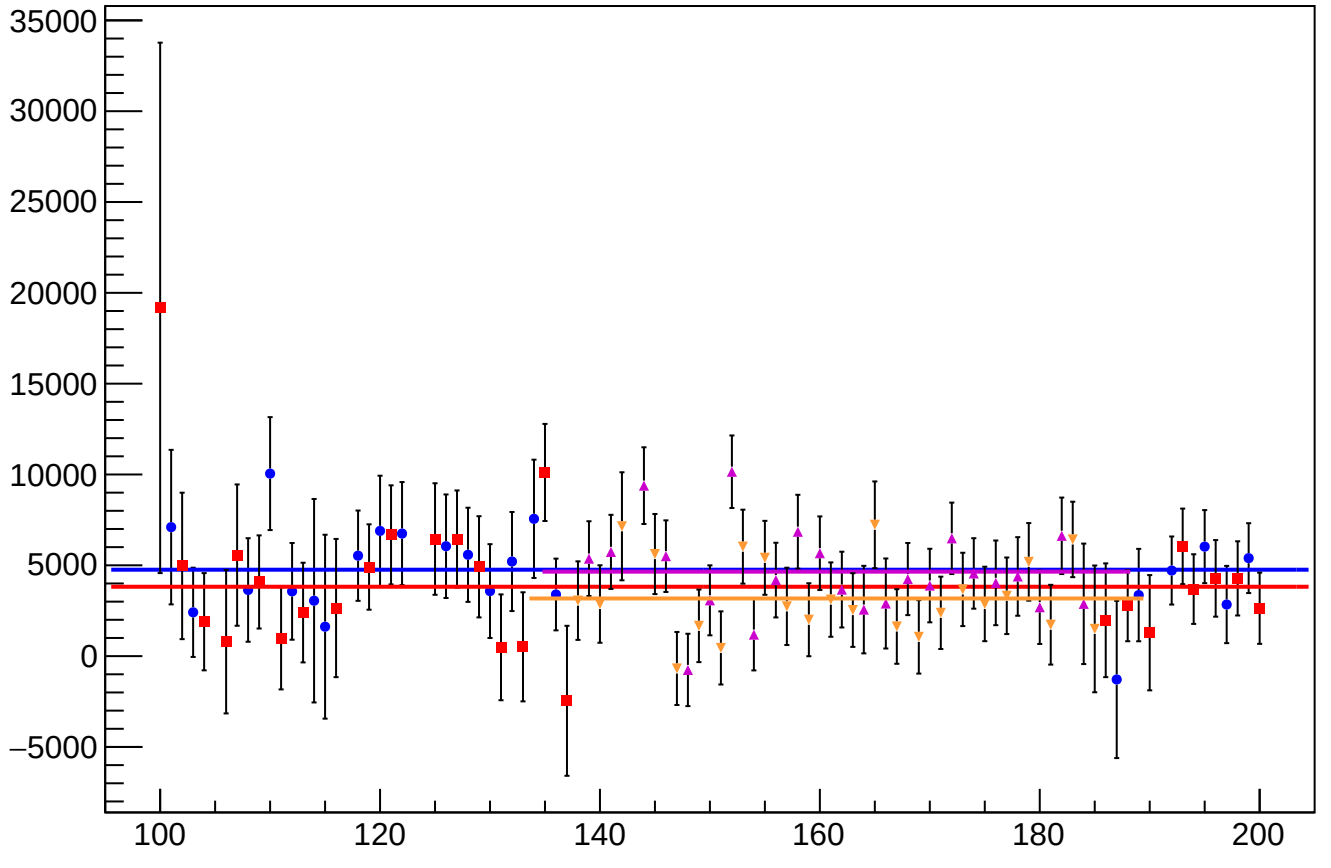
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5350.472+/-0.805 χ^2/NDF: 5015133.2/47

In: 6023.653+/-0.805 χ^2/NDF:3228940.1/44

Out: 5836.323+/-0.766 χ^2/NDF:5026887.4/49

All: 5925.442+/-0.555 χ^2/NDF: 8284244.8/94



Right In: 4757.904+/-559.685 χ^2/NDF: 11.4/21

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

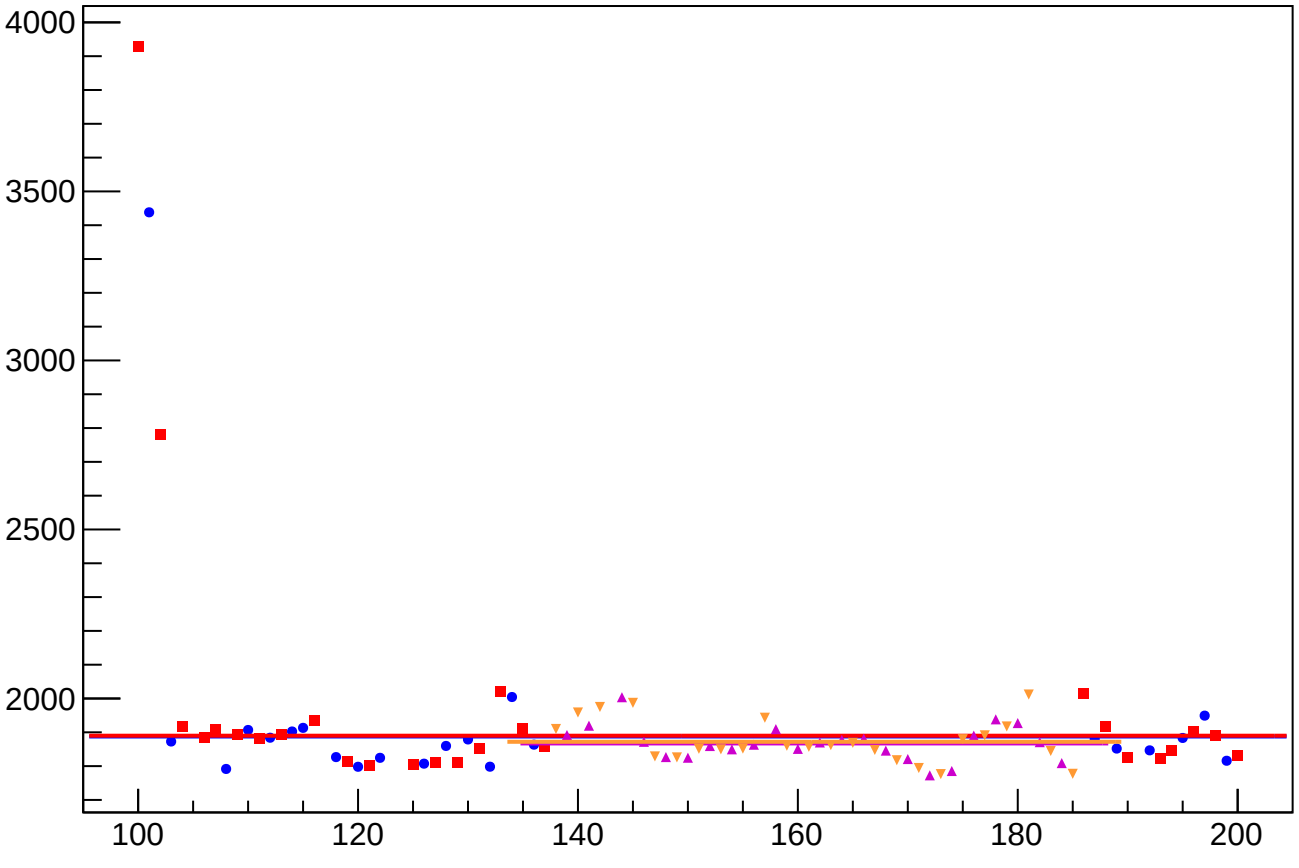
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4259.129+/-383.013 χ^2/NDF: 33.1/47

In: 4691.062+/-344.049 χ^2/NDF:41.9/44

Out: 3436.909+/-334.947 χ^2/NDF:42.8/49

All: 4047.175+/-239.997 χ^2/NDF: 91.5/94



Right In: 1887.657+/-0.396 χ^2/NDF: 284890.8/21

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

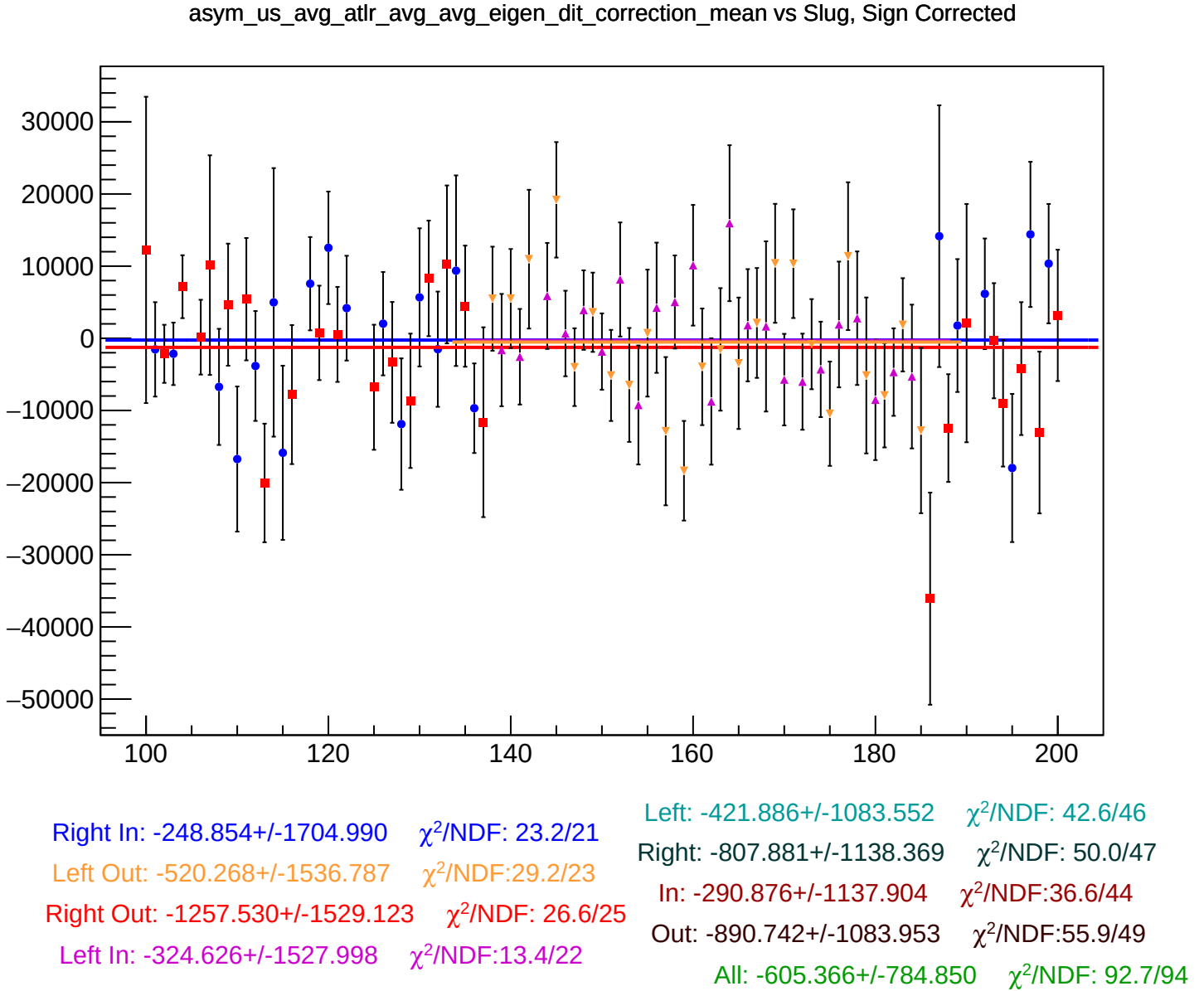
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1888.879+/-0.271 χ^2/NDF: 445150.0/47

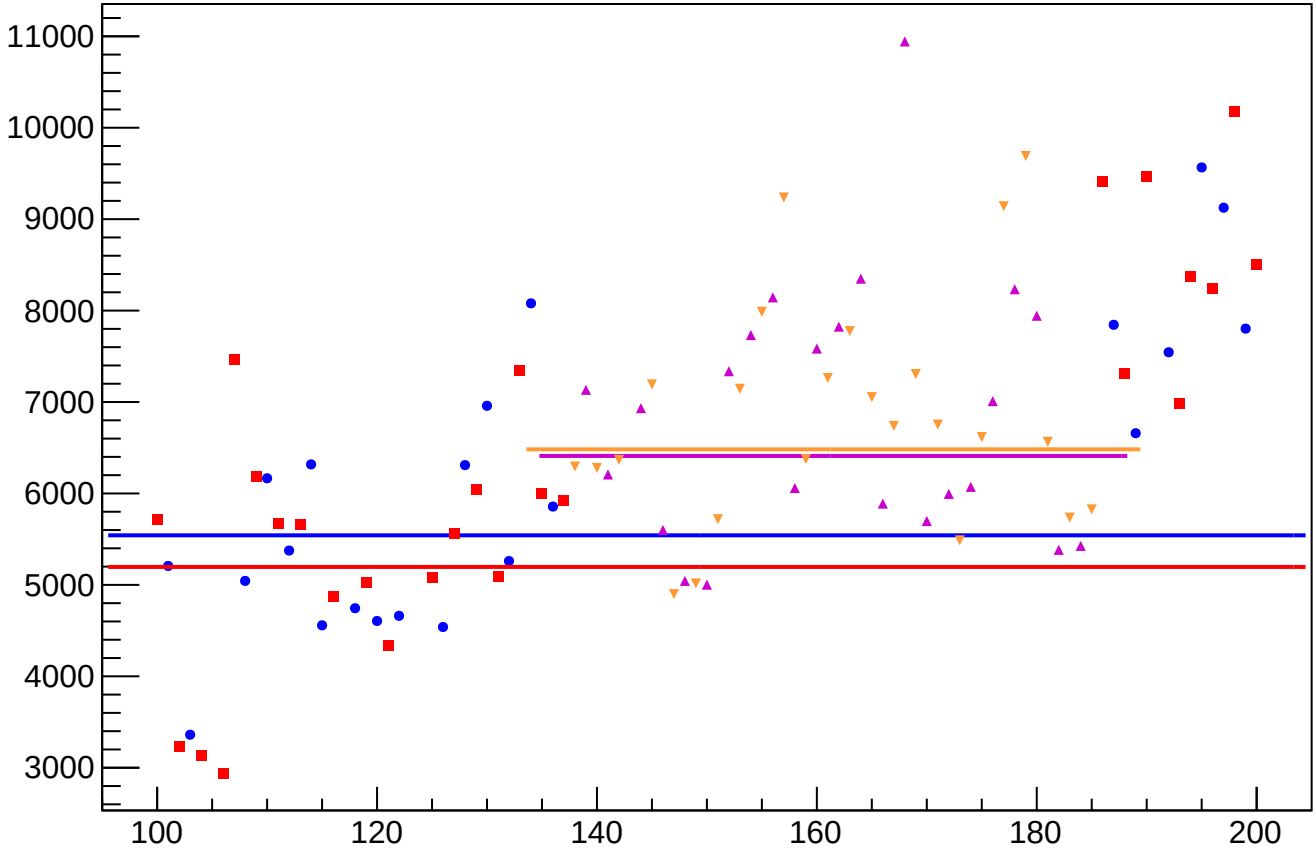
In: 1874.856+/-0.243 χ^2/NDF:313820.5/44

Out: 1879.293+/-0.237 χ^2/NDF:198787.4/49

All: 1877.135+/-0.170 χ^2/NDF: 512778.7/94


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: -248.854+/-1704.990 χ²/NDF: 23.2/21
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: -807.881+/-1138.369 χ²/NDF: 50.0/47
In: -290.876+/-1137.904 χ²/NDF:36.6/44
Out: -890.742+/-1083.953 χ²/NDF:55.9/49
All: -605.366+/-784.850 χ²/NDF: 92.7/94

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5542.081+/-1.206 χ^2/NDF: 1721442.1/21

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

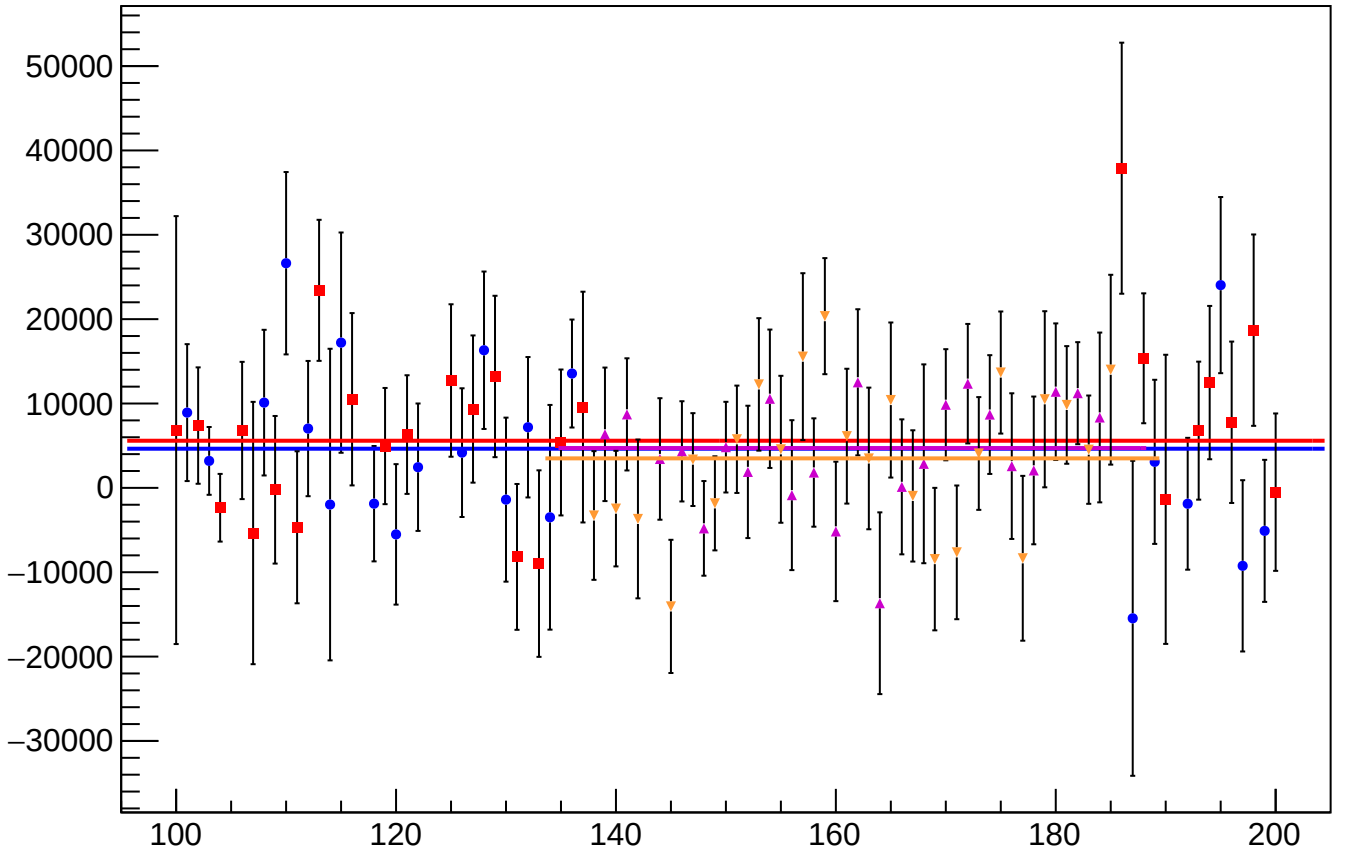
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5350.461+/-0.805 χ^2/NDF: 5015168.8/47

In: 6023.651+/-0.805 χ^2/NDF:3228975.1/44

Out: 5836.321+/-0.766 χ^2/NDF:5026932.8/49

All: 5925.440+/-0.555 χ^2/NDF: 8284325.7/94



Right In: 4641.150+/-1758.677 χ^2/NDF: 21.5/21

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

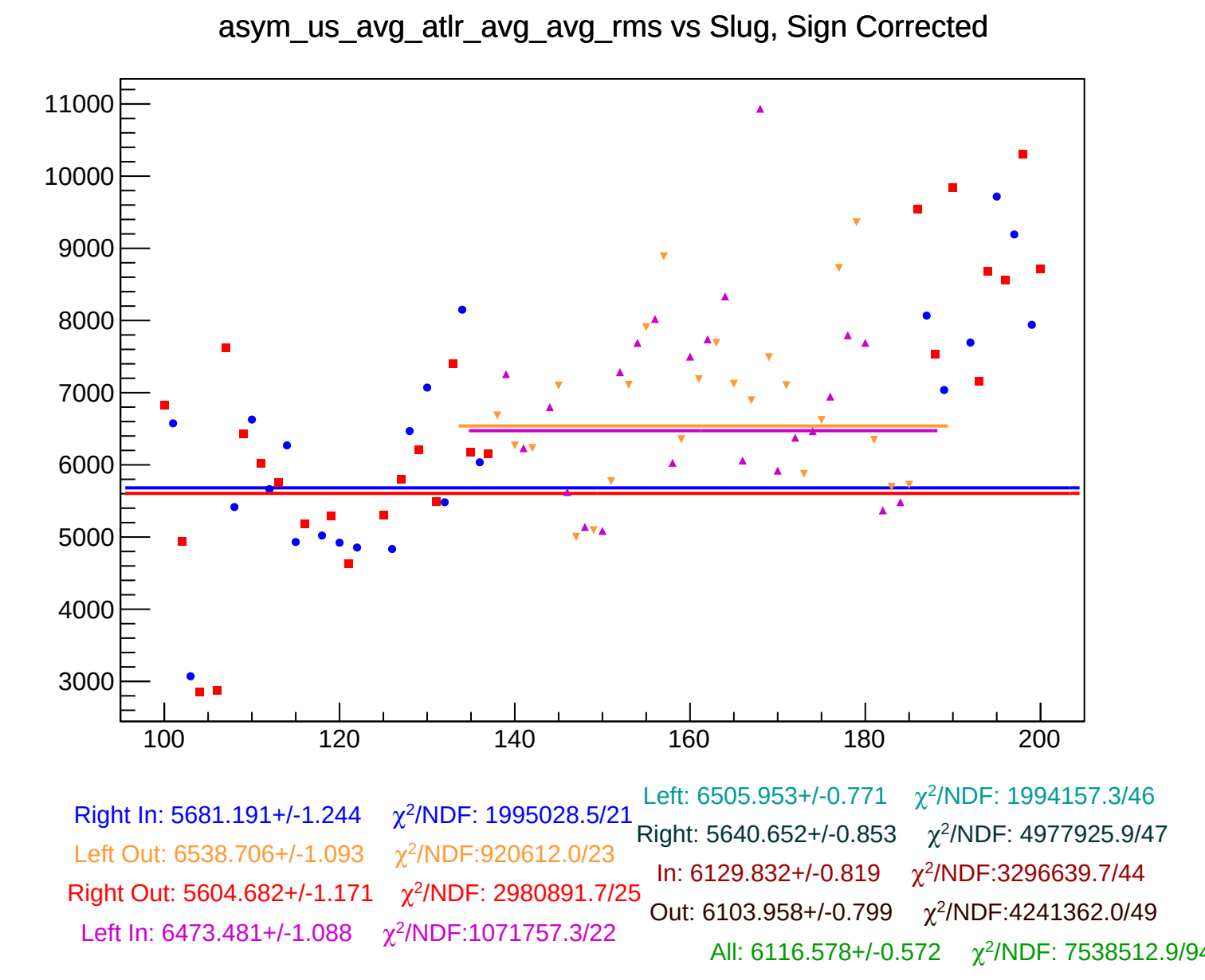
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

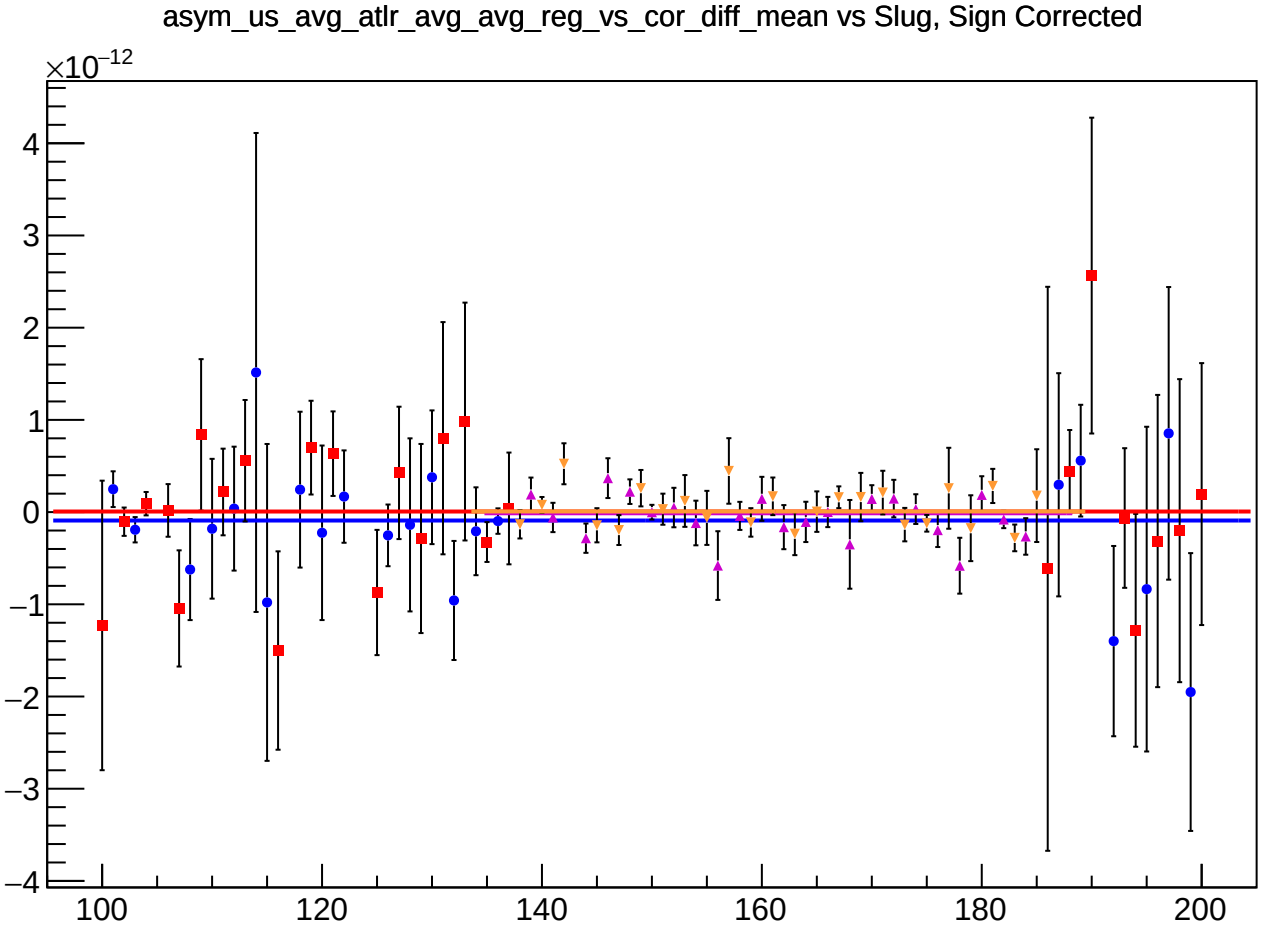
Right: 5135.261+/-1215.857 χ^2/NDF: 47.4/47

In: 4685.536+/-1158.239 χ^2/NDF:35.7/44

Out: 4453.890+/-1138.417 χ^2/NDF:54.1/49

All: 4567.714+/-811.900 χ^2/NDF: 89.8/94


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5681.191+/-1.244 χ²/NDF: 1995028.5/21
Left Out: 6538.706+/-1.093 χ²/NDF:920612.0/23
Right Out: 5604.682+/-1.171 χ²/NDF: 2980891.7/25
Left In: 6473.481+/-1.088 χ²/NDF:1071757.3/22
Left: 6505.953+/-0.771 χ²/NDF: 1994157.3/46
Right: 5640.652+/-0.853 χ²/NDF: 4977925.9/47
In: 6129.832+/-0.819 χ²/NDF:3296639.7/44
Out: 6103.958+/-0.799 χ²/NDF:4241362.0/49
All: 6116.578+/-0.572 χ²/NDF: 7538512.9/94



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/21

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

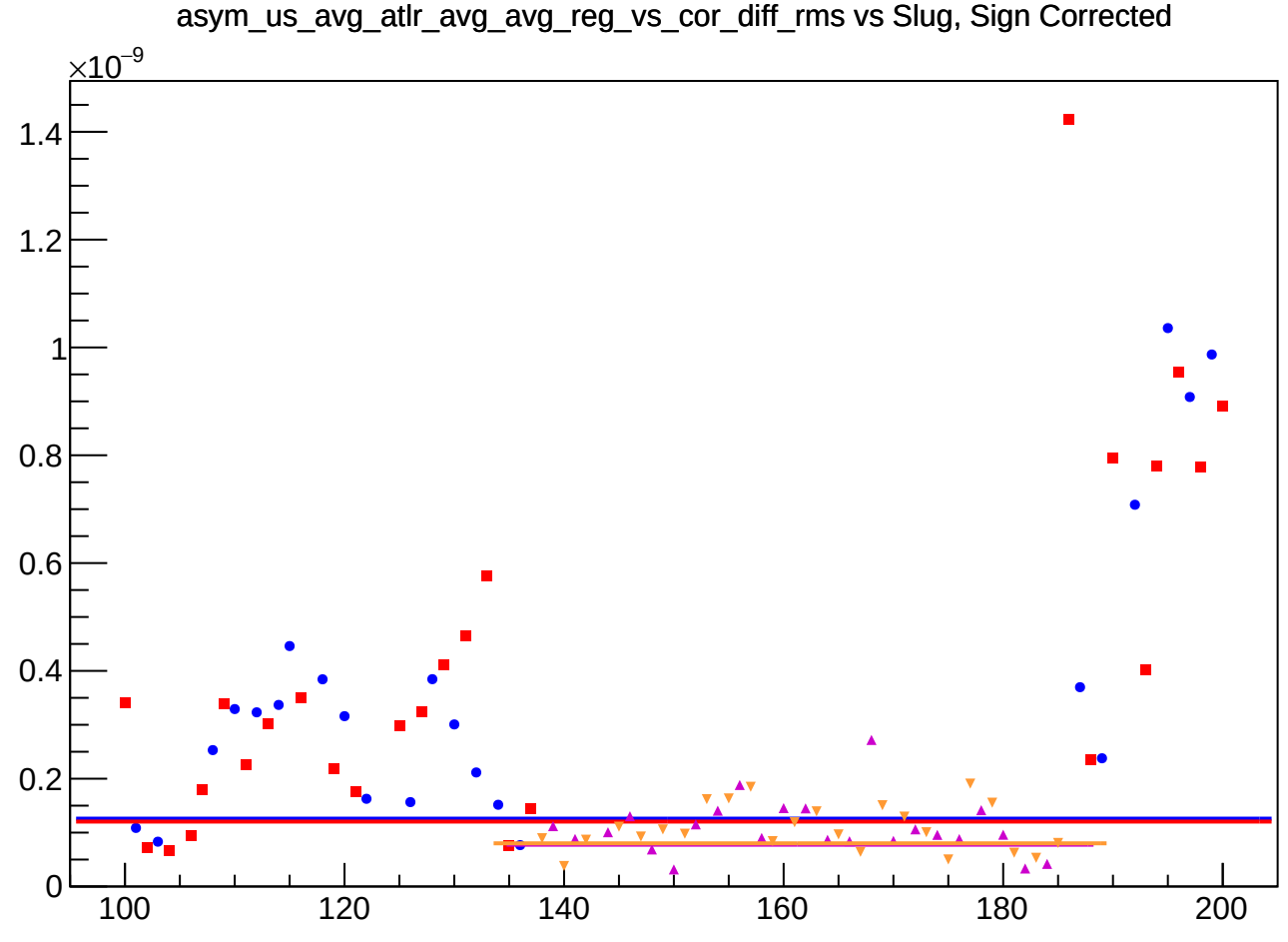
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 35.7/47

In: -0.000+/-0.000 χ^2/NDF:38.0/44

Out: 0.000+/-0.000 χ^2/NDF:48.9/49

All: -0.000+/-0.000 χ^2/NDF: 87.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 4033527.5/21

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

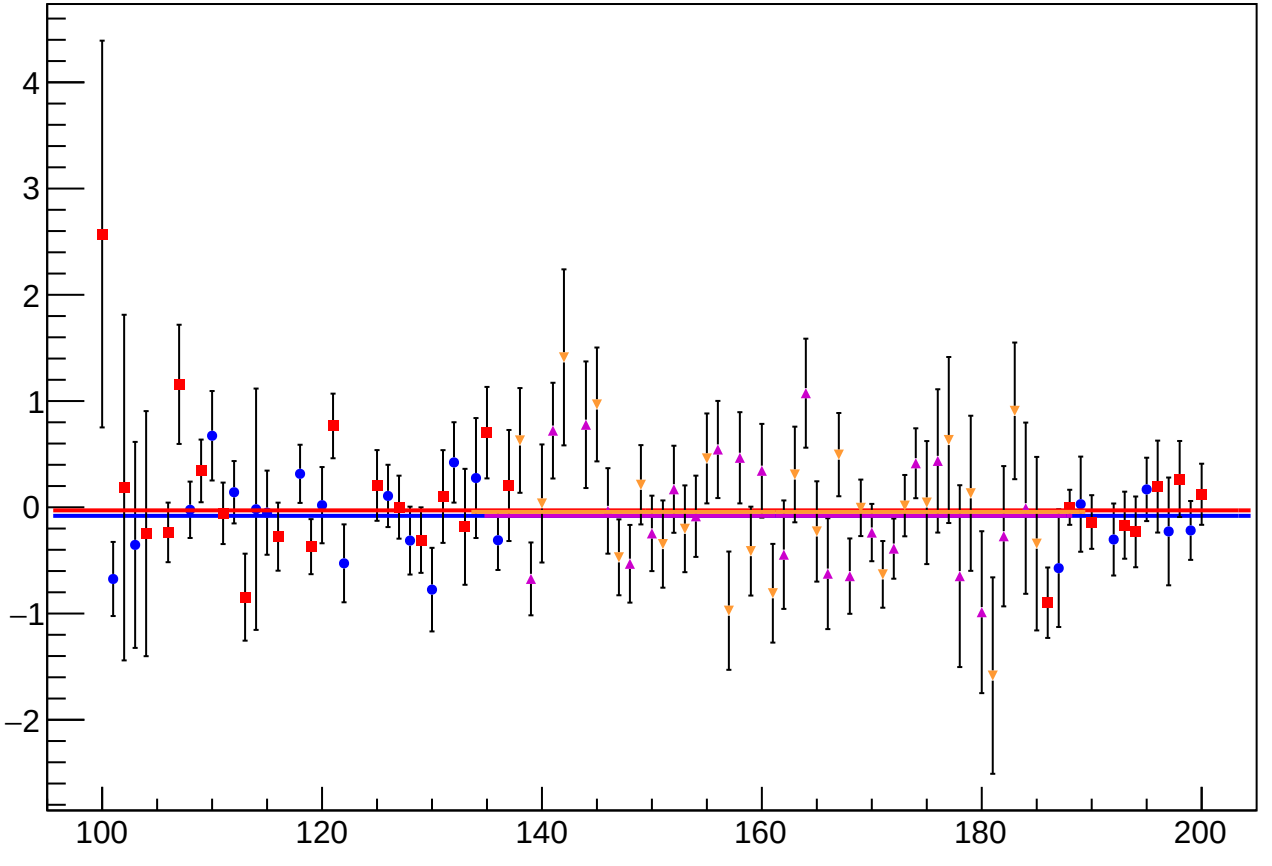
Right: 0.000+/-0.000 χ^2/NDF: 9304871.3/47

In: 0.000+/-0.000 χ^2/NDF:7339237.1/44

Out: 0.000+/-0.000 χ^2/NDF:7893049.5/49

All: 0.000+/-0.000 χ^2/NDF: 15235010.9/94

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

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

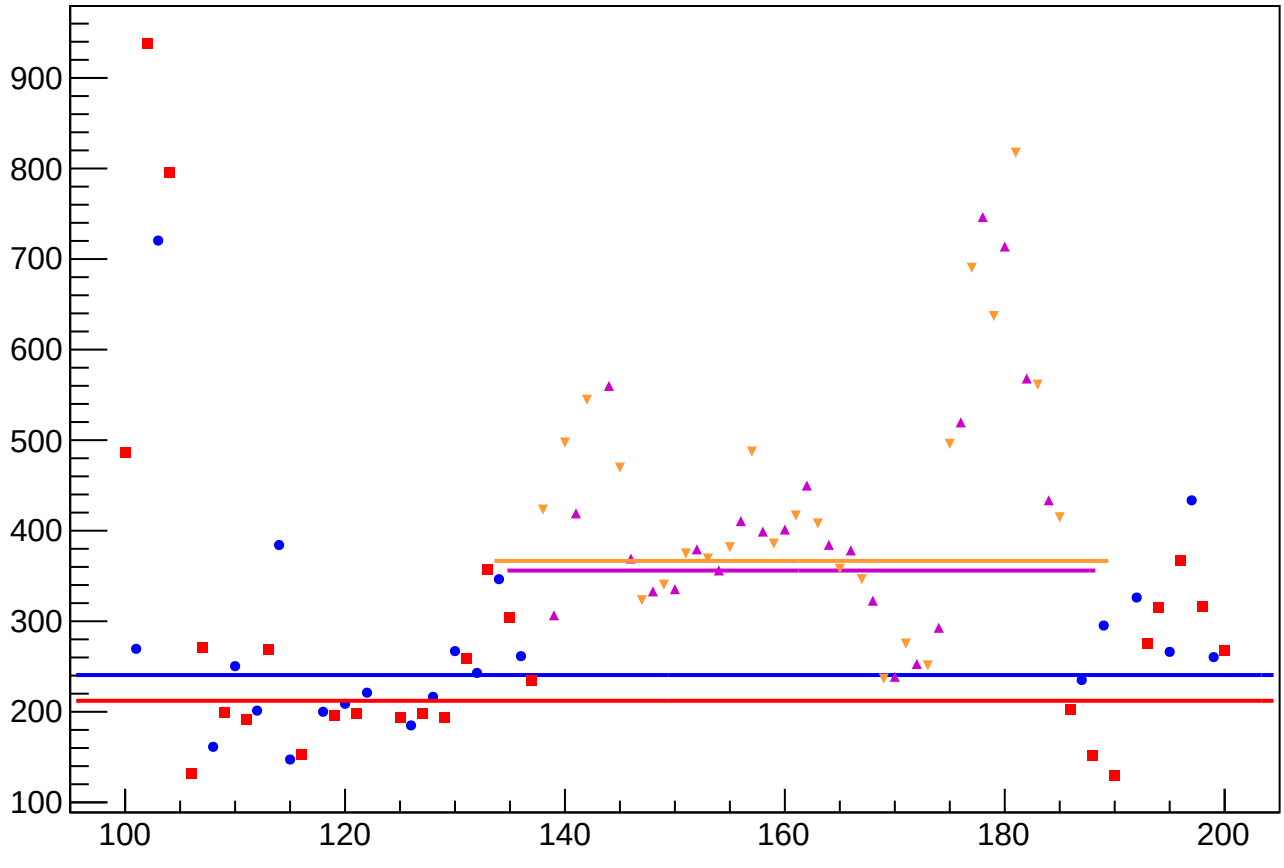
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.051+/-0.049 χ^2/NDF: 55.3/47

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.055+/-0.039 χ^2/NDF: 116.7/94



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

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

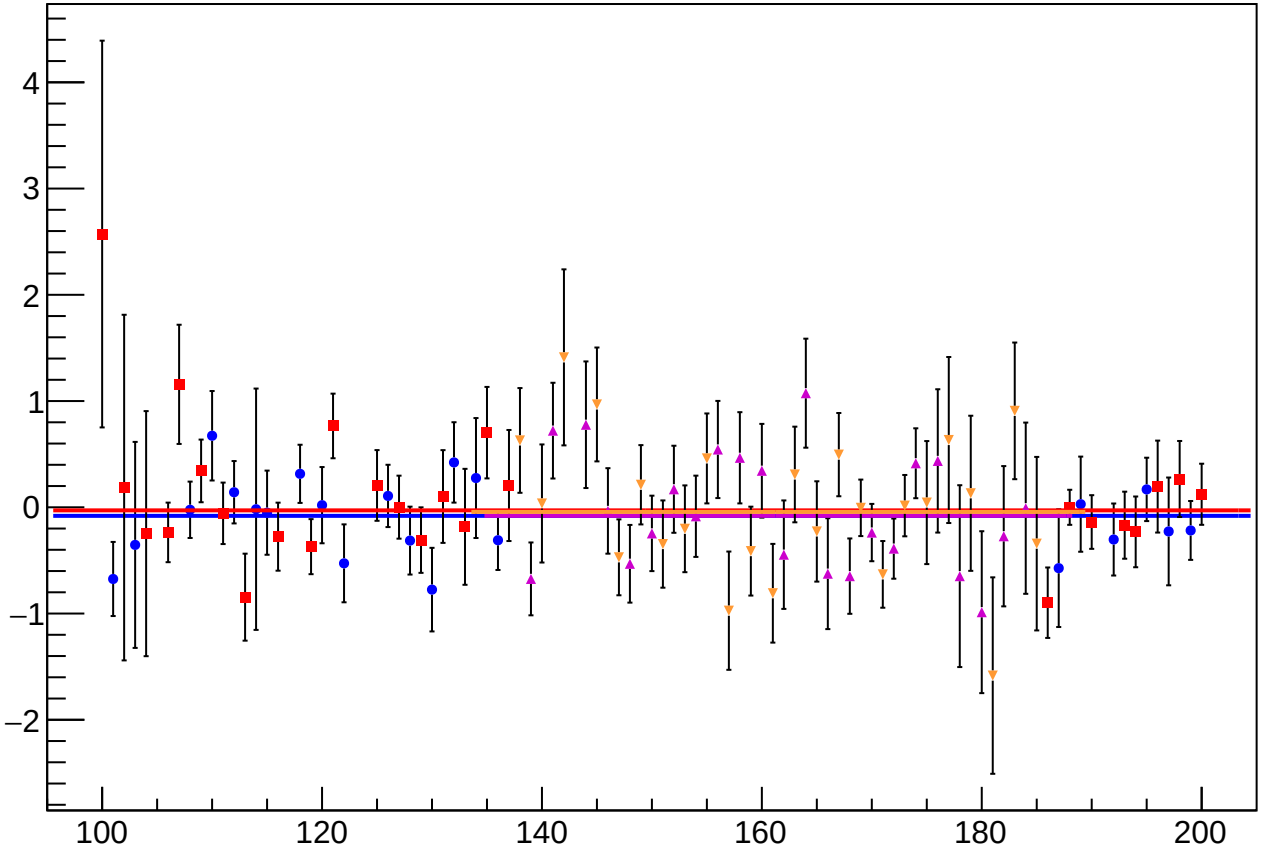
Right: 224.154+/-0.035 χ^2/NDF: 4537056.0/47

In: 290.184+/-0.041 χ^2/NDF:5965518.6/44

Out: 264.786+/-0.037 χ^2/NDF:9490932.4/49

All: 276.396+/-0.028 χ^2/NDF: 15668074.6/94

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

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

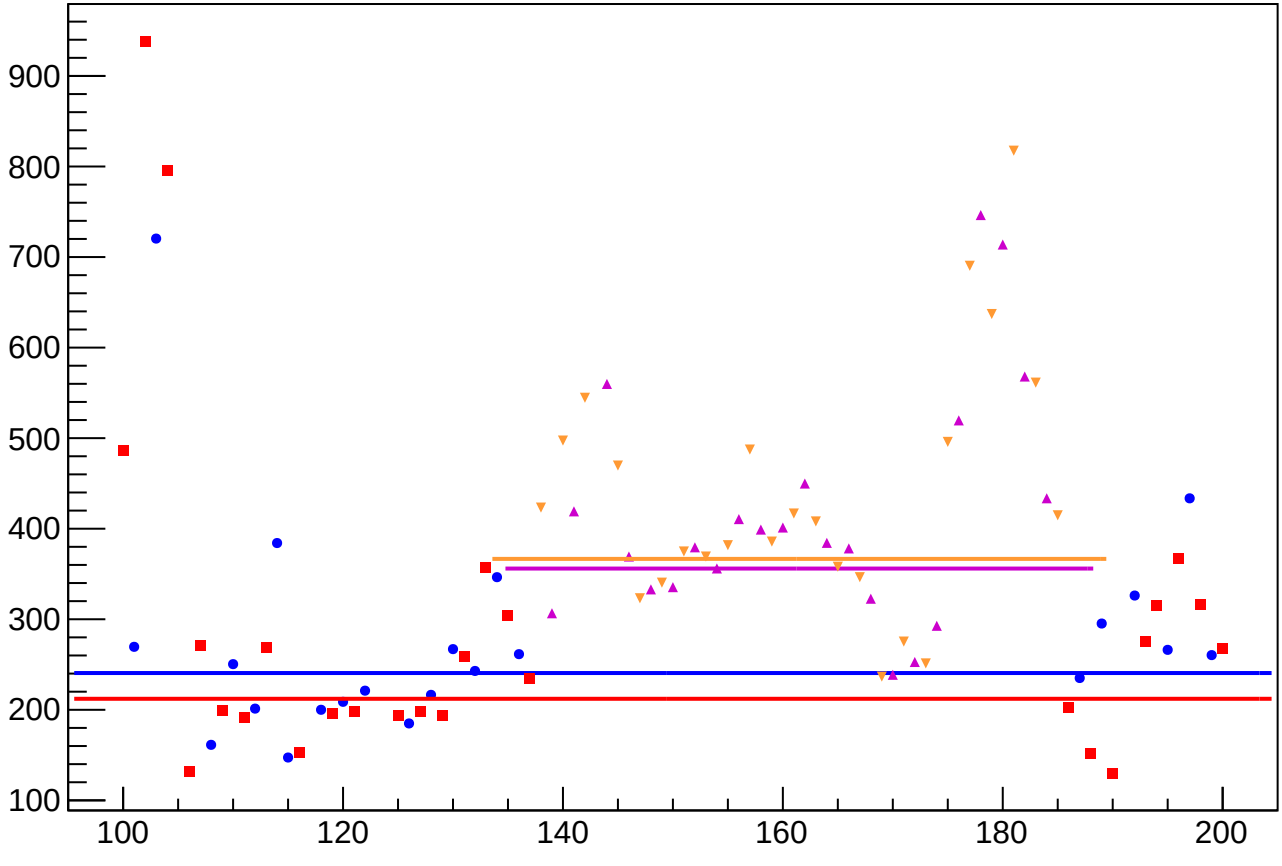
Right: -0.051+/-0.049 χ^2/NDF: 55.3/47

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.055+/-0.039 χ^2/NDF: 116.7/94

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

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

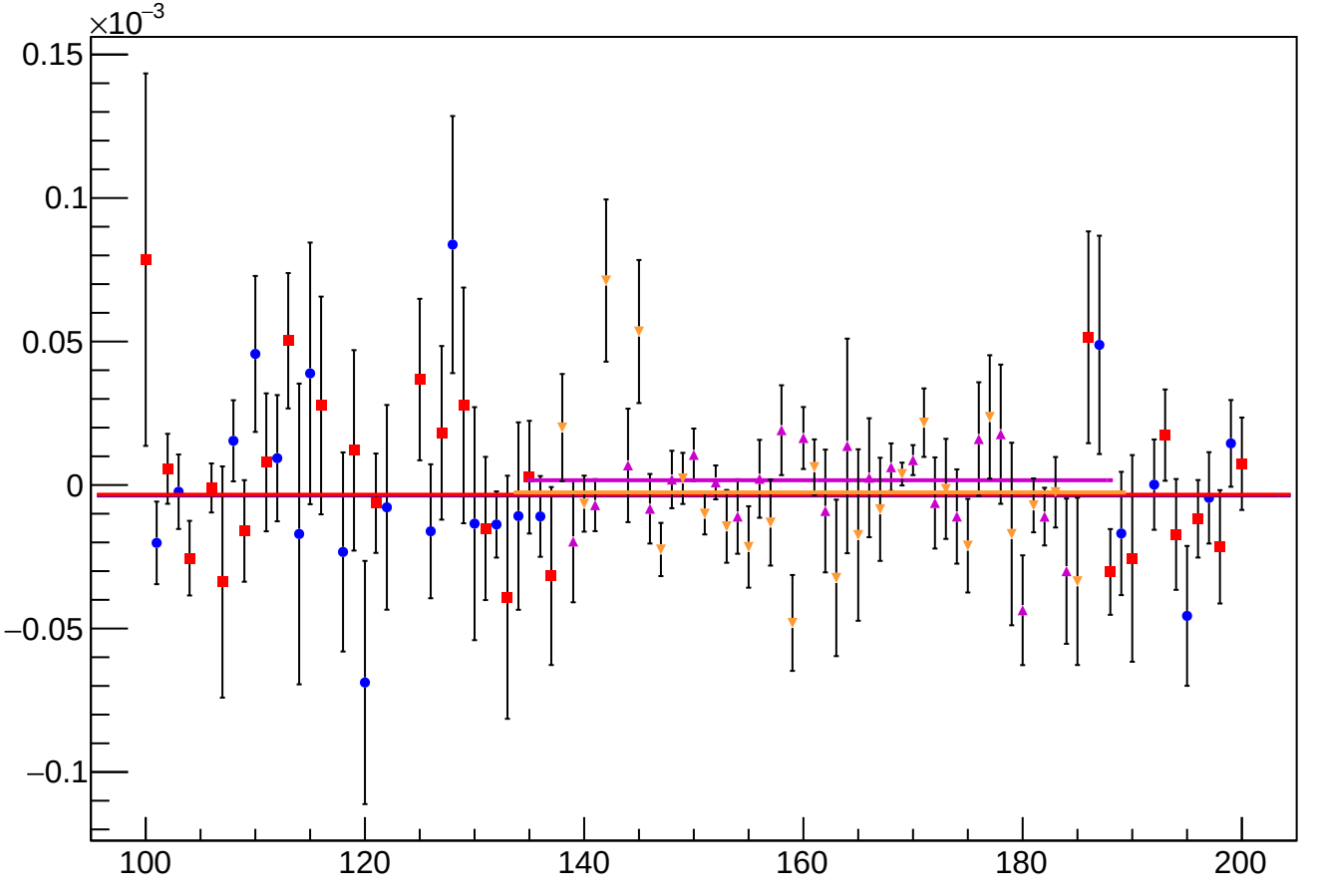
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 224.154+/-0.035 χ^2/NDF: 4537056.0/47

In: 290.184+/-0.041 χ^2/NDF:5965518.6/44

Out: 264.786+/-0.037 χ^2/NDF:9490932.4/49

All: 276.396+/-0.028 χ^2/NDF: 15668074.6/94



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

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

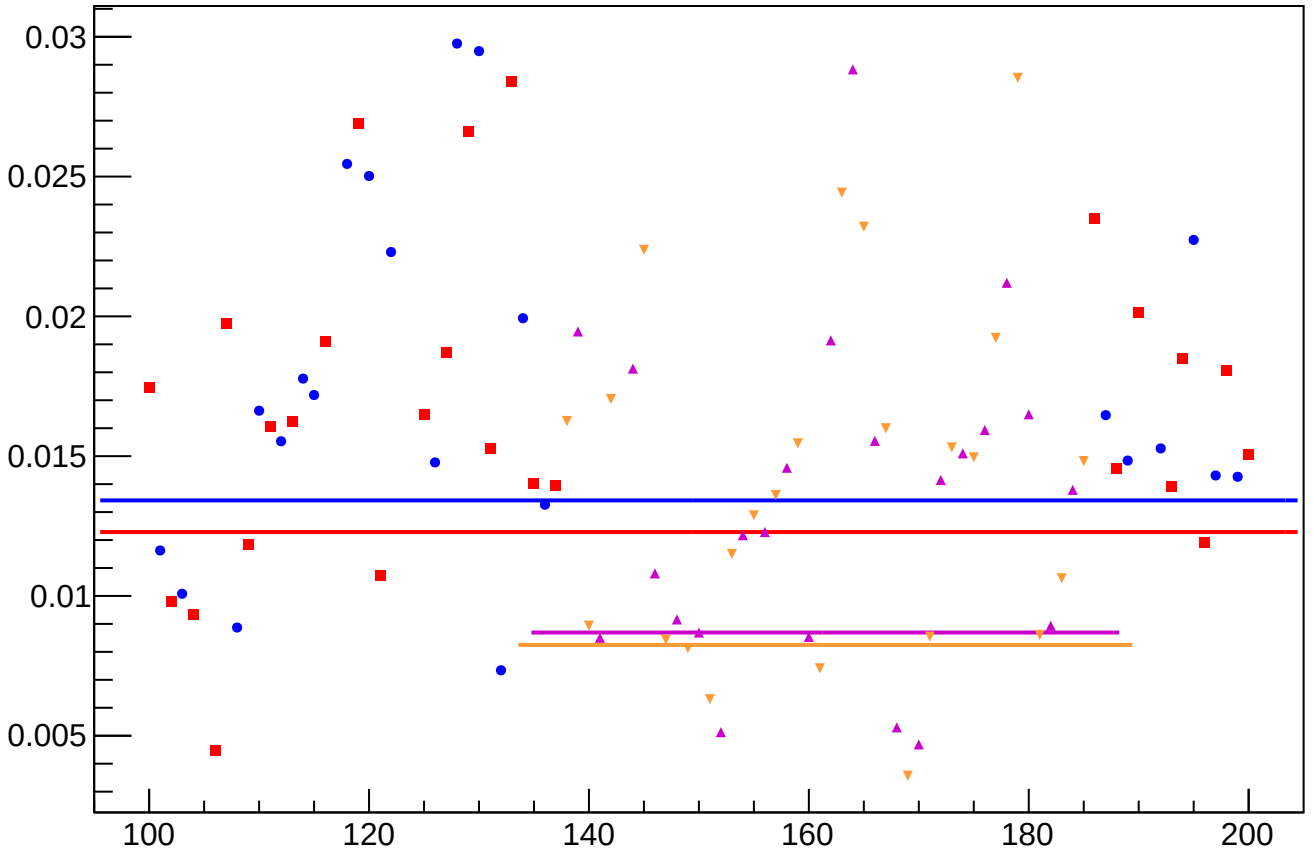
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 49.6/47

In: 0.000+/-0.000 χ^2/NDF:44.3/44

Out: -0.000+/-0.000 χ^2/NDF:70.7/49

All: -0.000+/-0.000 χ^2/NDF: 116.3/94



Right In: 0.013+/-0.000 χ^2/NDF: 2535259.9/21

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

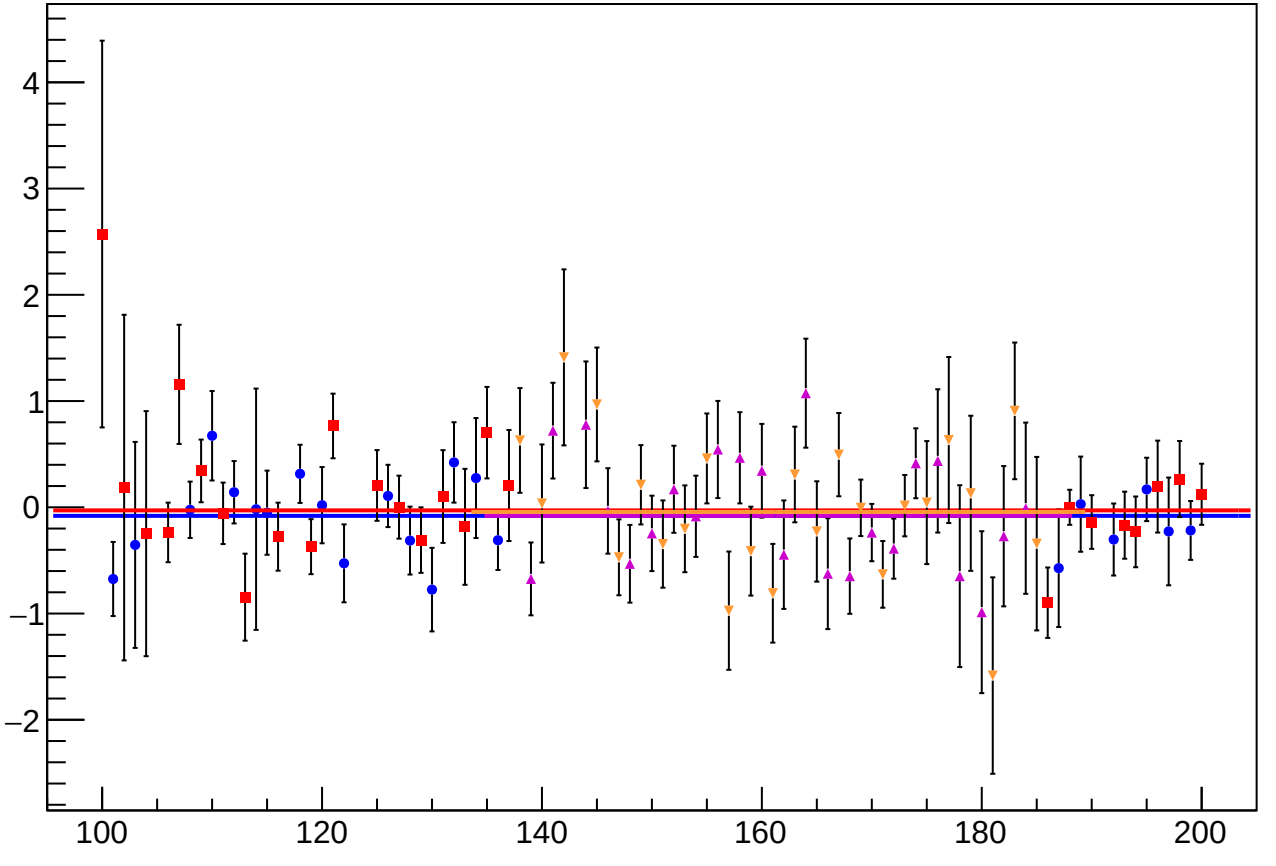
Right: 0.013+/-0.000 χ^2/NDF: 6600692.2/47

In: 0.010+/-0.000 χ^2/NDF:11308744.1/44

Out: 0.009+/-0.000 χ^2/NDF:14578885.4/49

All: 0.010+/-0.000 χ^2/NDF: 25941479.0/94

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

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

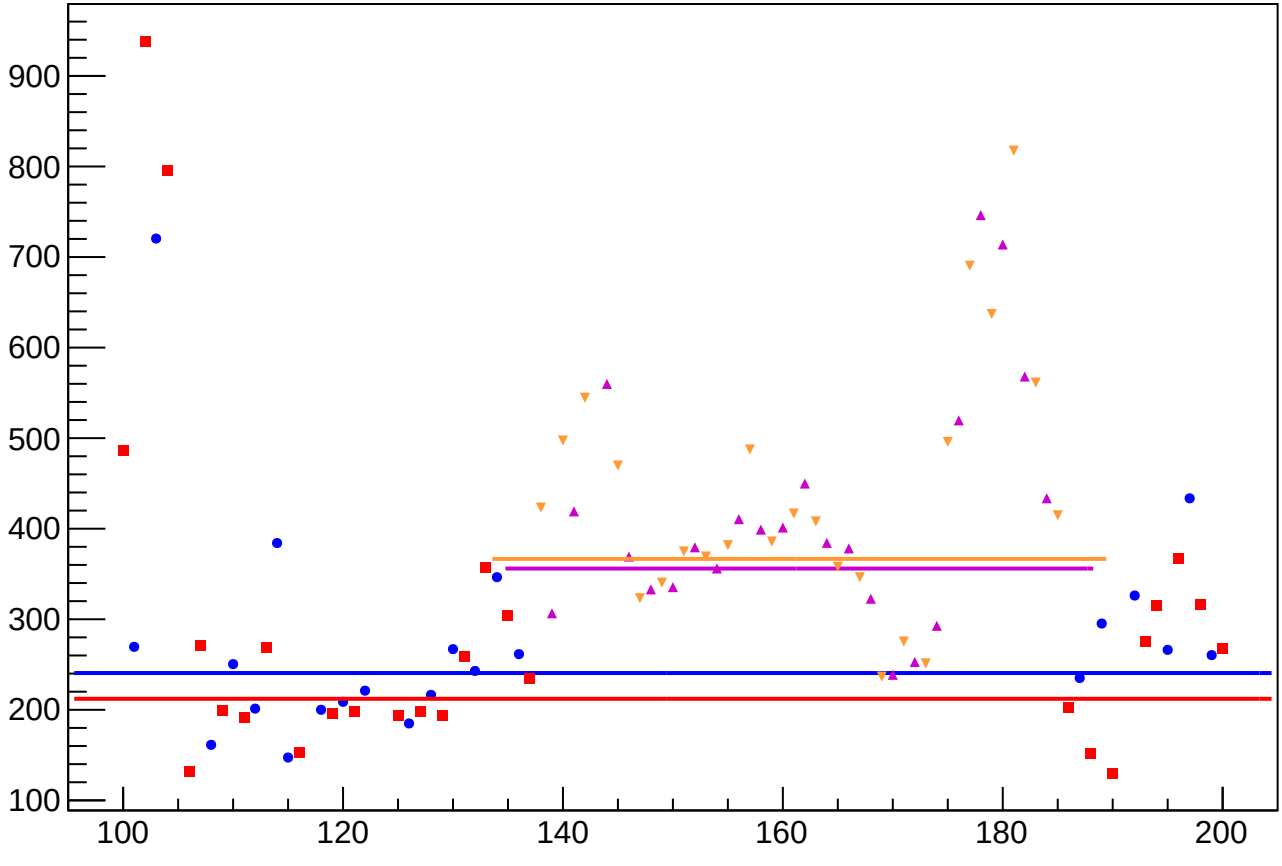
Right: -0.051+/-0.049 χ^2/NDF: 55.3/47

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.055+/-0.039 χ^2/NDF: 116.7/94

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

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

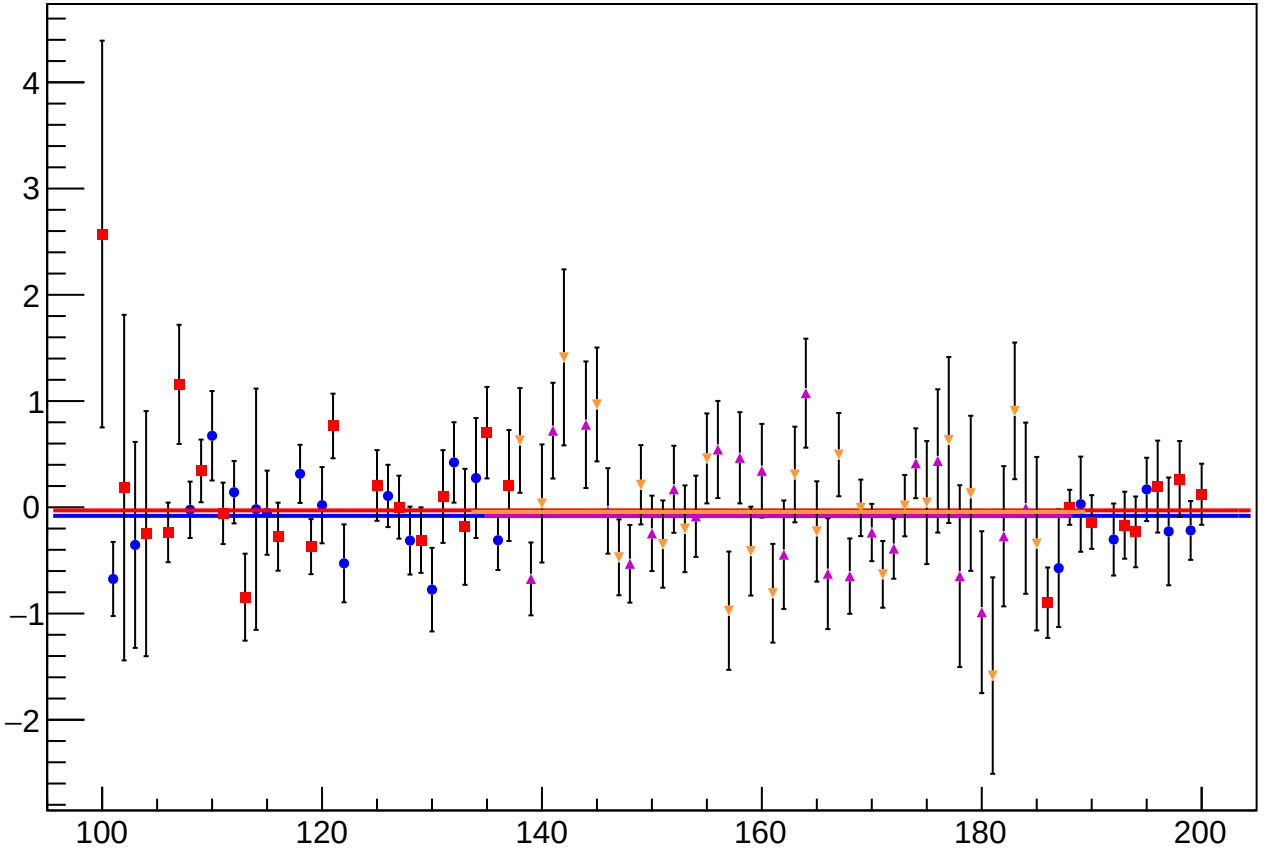
Right: 224.152+/-0.035 χ^2/NDF: 4537115.0/47

In: 290.183+/-0.041 χ^2/NDF:5965768.7/44

Out: 264.783+/-0.037 χ^2/NDF:9491380.4/49

All: 276.394+/-0.028 χ^2/NDF: 15668811.4/94

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

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

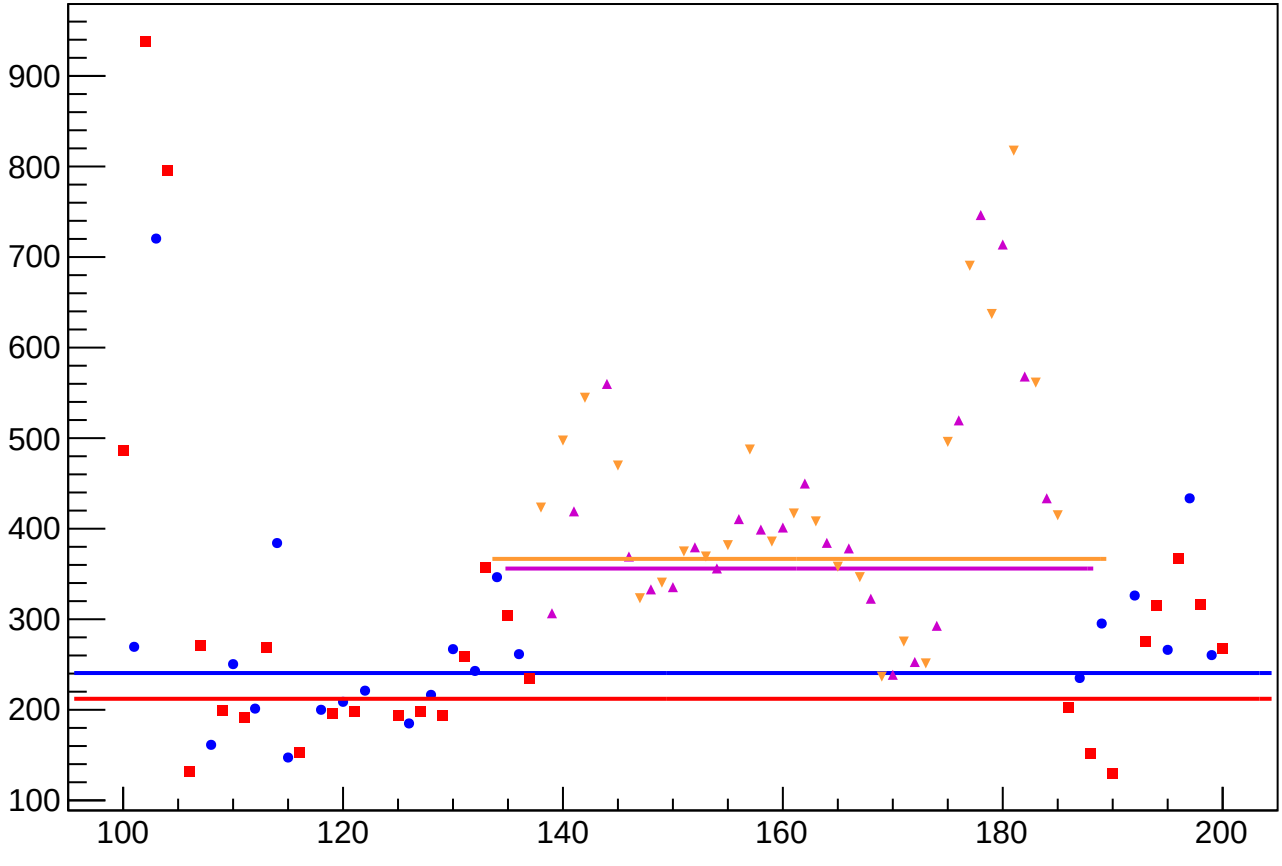
Right: -0.051+/-0.049 χ^2/NDF: 55.3/47

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.034+/-0.053 χ^2/NDF:66.3/49

All: -0.055+/-0.039 χ^2/NDF: 116.7/94

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

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

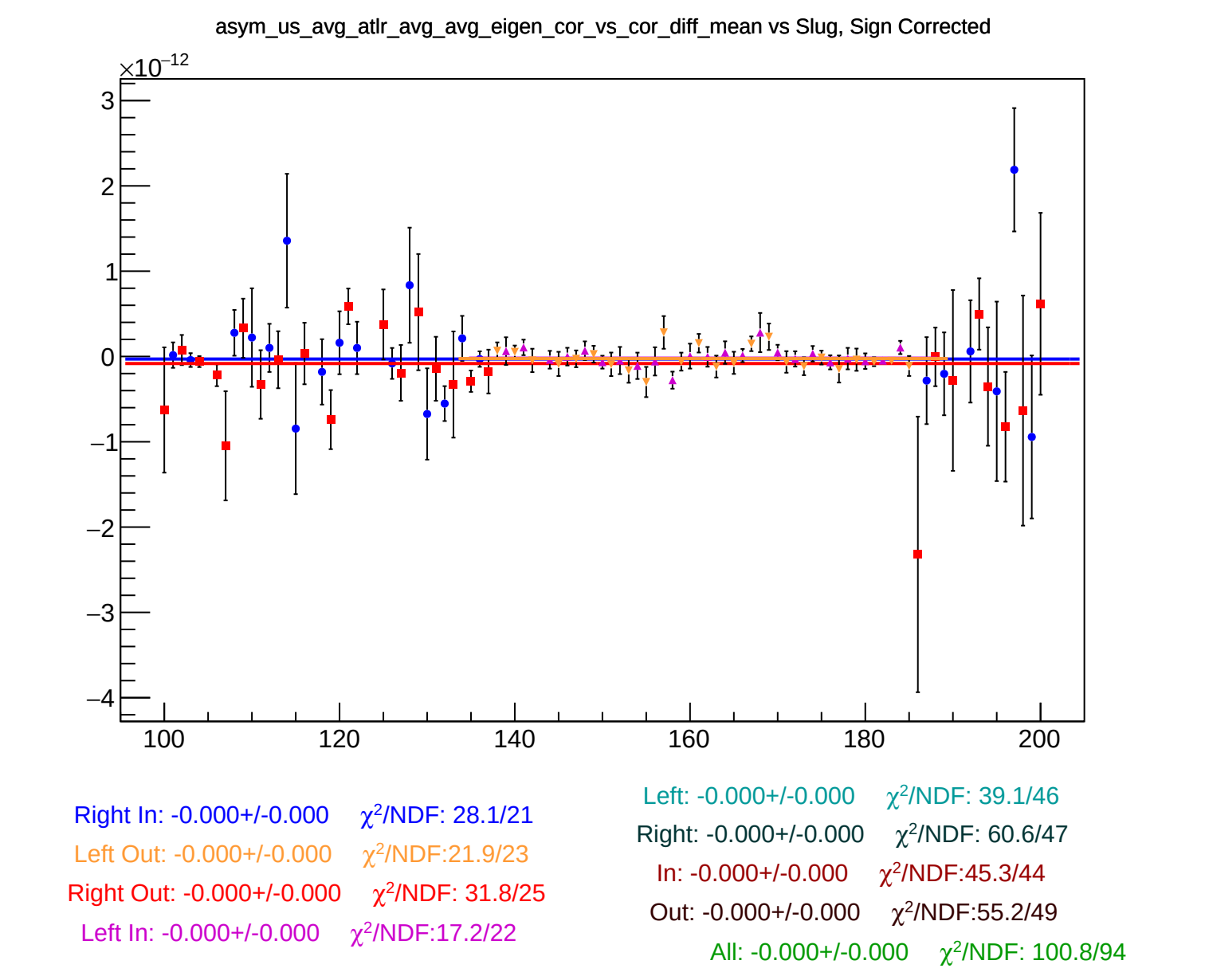
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

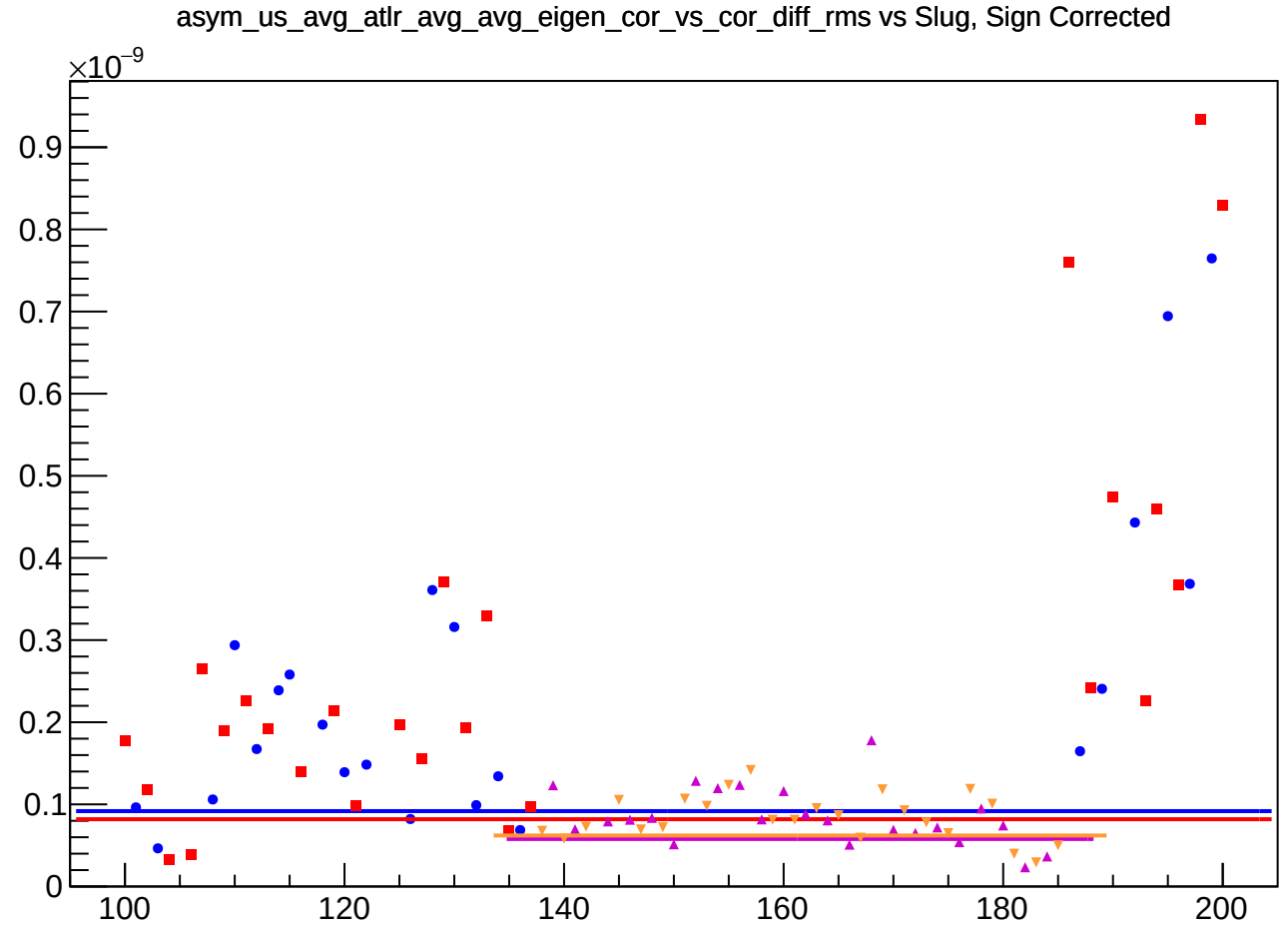
Right: 224.152+/-0.035 χ^2/NDF: 4537115.0/47

In: 290.183+/-0.041 χ^2/NDF:5965768.7/44

Out: 264.783+/-0.037 χ^2/NDF:9491380.4/49

All: 276.394+/-0.028 χ^2/NDF: 15668811.4/94


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: 28.1/21
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: 60.6/47
In: -0.000+/-0.000 χ²/NDF:45.3/44
Out: -0.000+/-0.000 χ²/NDF:55.2/49
All: -0.000+/-0.000 χ²/NDF: 100.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 5152682.0/21

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

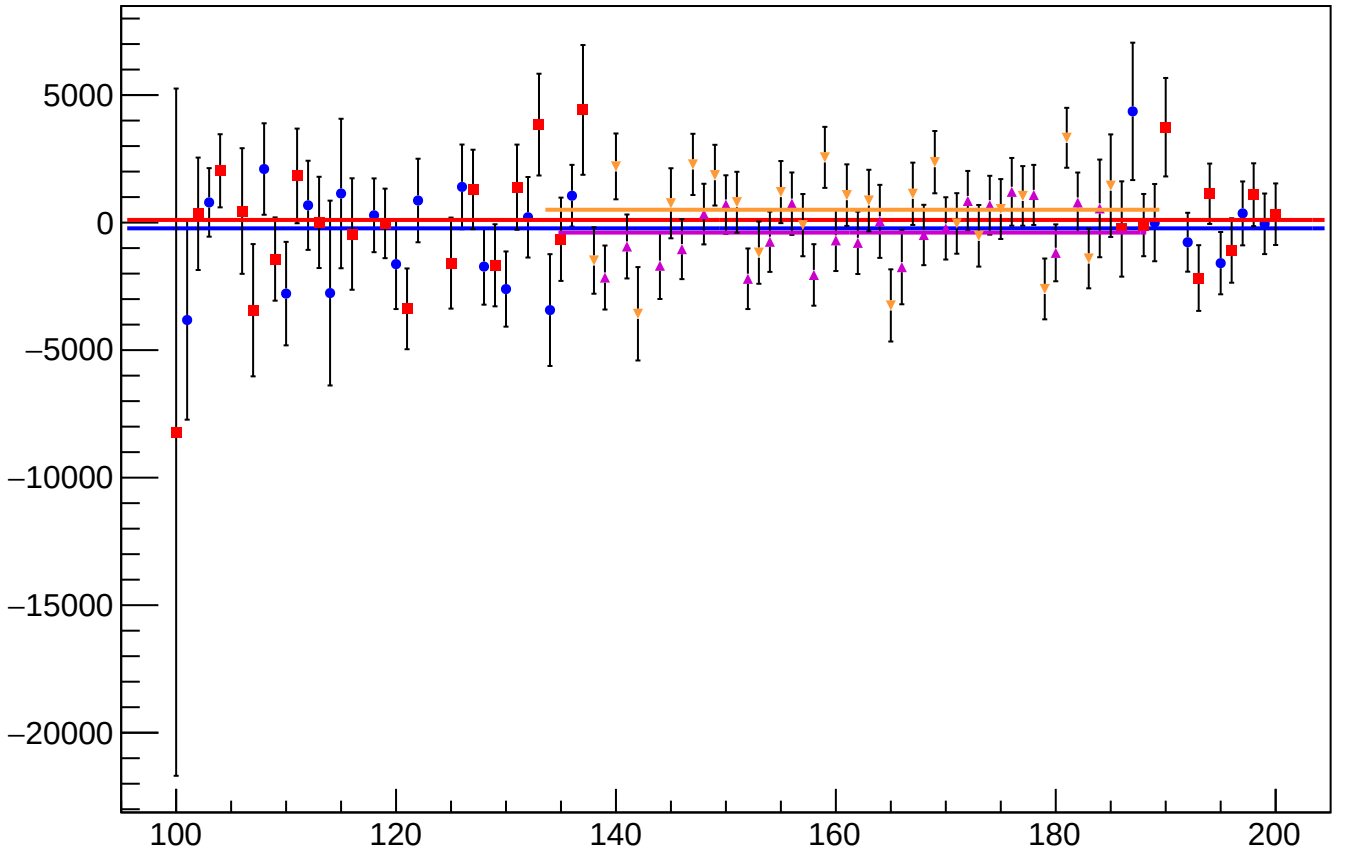
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 13119591.6/47

In: 0.000+/-0.000 χ^2/NDF:11591580.6/44

Out: 0.000+/-0.000 χ^2/NDF:12367777.7/49

All: 0.000+/-0.000 χ^2/NDF: 23987177.8/94



Right In: -225.563+/-337.669 χ^2/NDF: 19.4/21

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

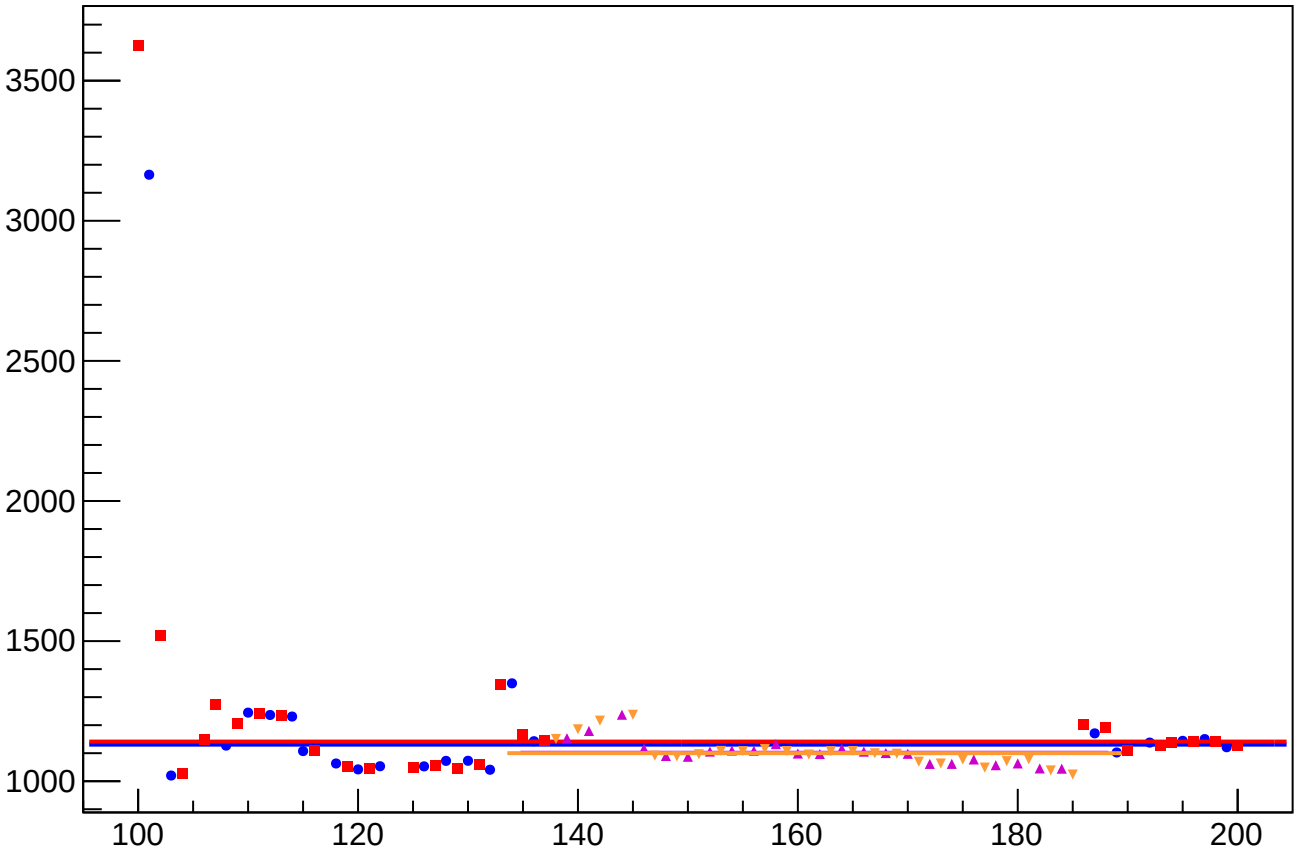
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -50.801+/-231.397 χ^2/NDF: 49.6/47

In: -330.646+/-204.700 χ^2/NDF:37.4/44

Out: 346.628+/-199.123 χ^2/NDF:75.2/49

All: 17.341+/-142.732 χ^2/NDF: 118.2/94



Right In: 1130.552+/-0.239 χ^2/NDF: 623535.8/21

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

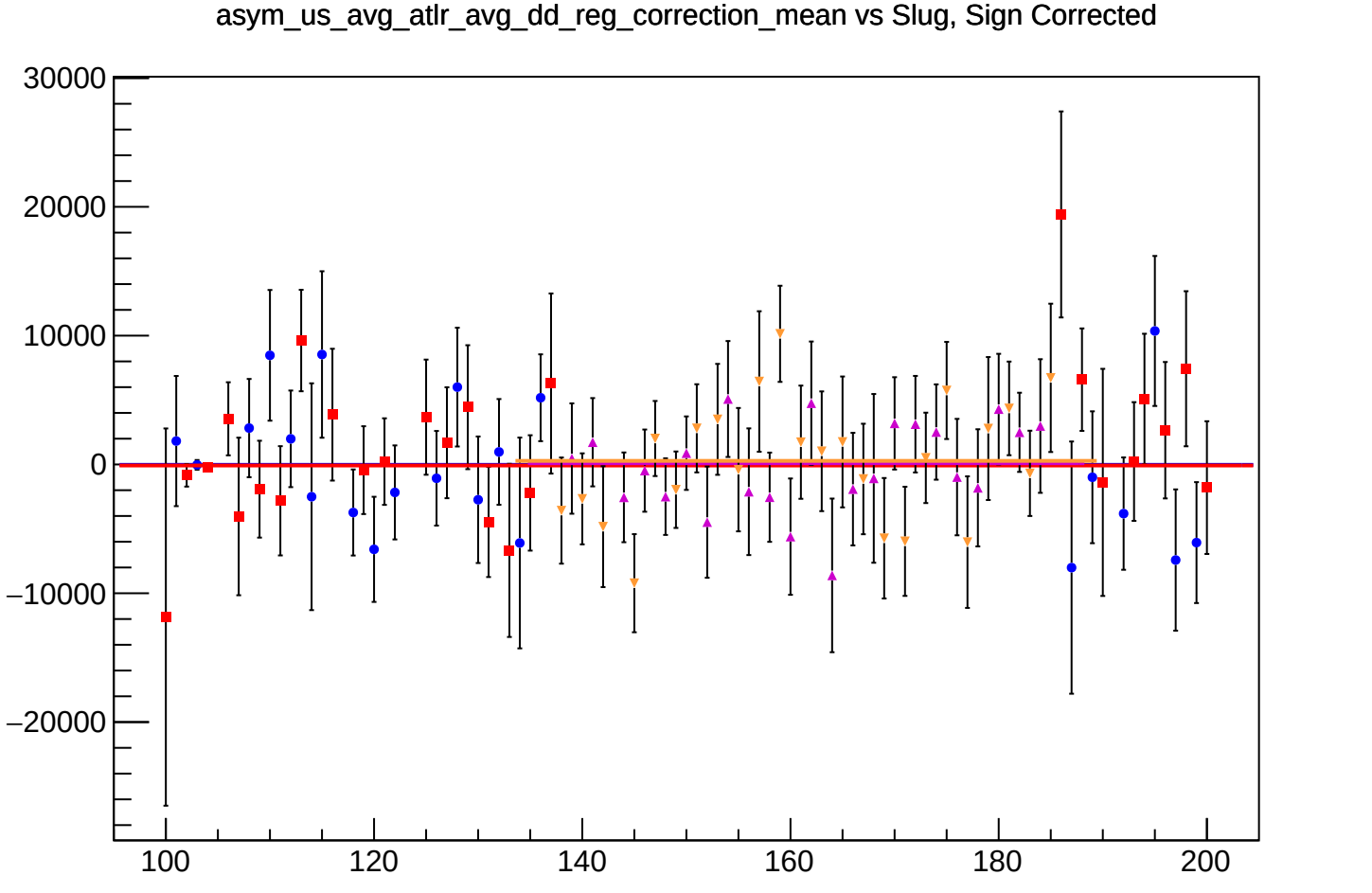
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

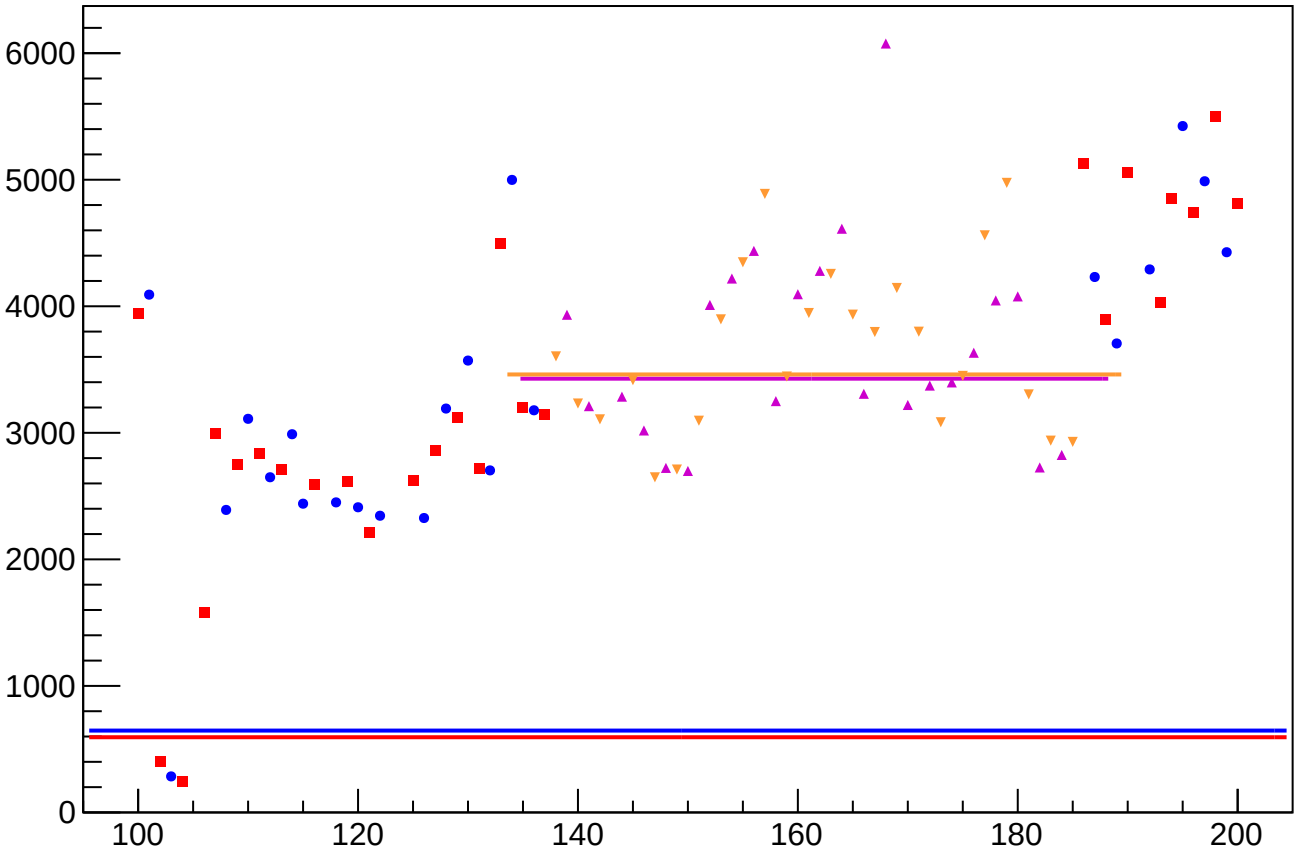
Right: 1136.303+/-0.164 χ^2/NDF: 851546.4/47

In: 1112.195+/-0.145 χ^2/NDF:685026.7/44

Out: 1116.313+/-0.141 χ^2/NDF:306217.8/49

All: 1114.312+/-0.101 χ^2/NDF: 991660.4/94


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: -29.834+/-352.956 χ²/NDF: 23.0/21
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: -57.779+/-236.241 χ²/NDF: 50.5/47
In: -10.251+/-324.027 χ²/NDF:36.7/44
Out: -33.719+/-296.484 χ²/NDF:57.6/49
All: -23.024+/-218.736 χ²/NDF: 94.2/94



Right In: 647.025+/-0.250 χ^2/NDF: 16125119.9/21

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

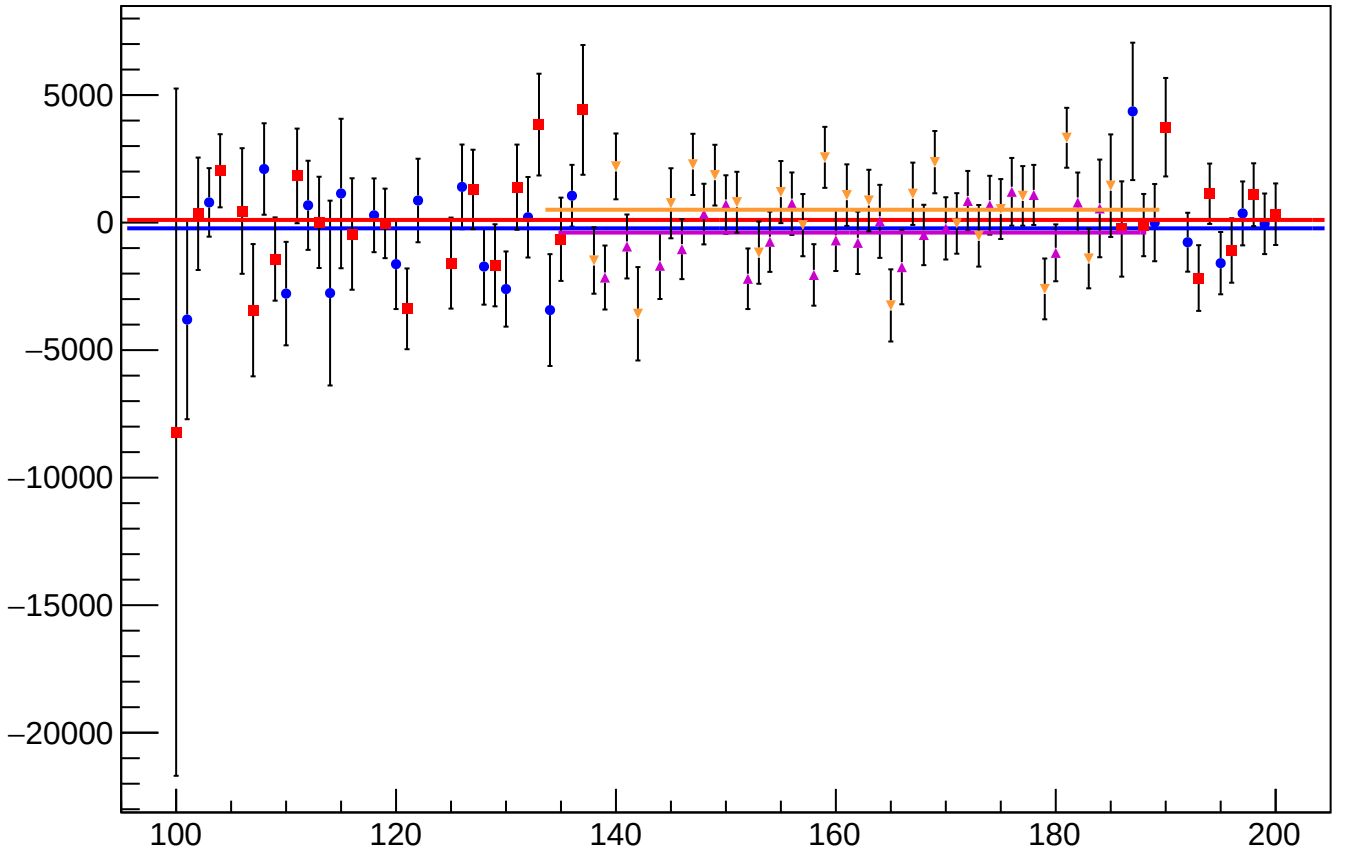
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 617.971+/-0.167 χ^2/NDF: 34542945.7/47

In: 1084.200+/-0.229 χ^2/NDF:36885513.1/44

Out: 968.717+/-0.210 χ^2/NDF:40680578.0/49

All: 1021.343+/-0.155 χ^2/NDF: 77704365.0/9



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

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

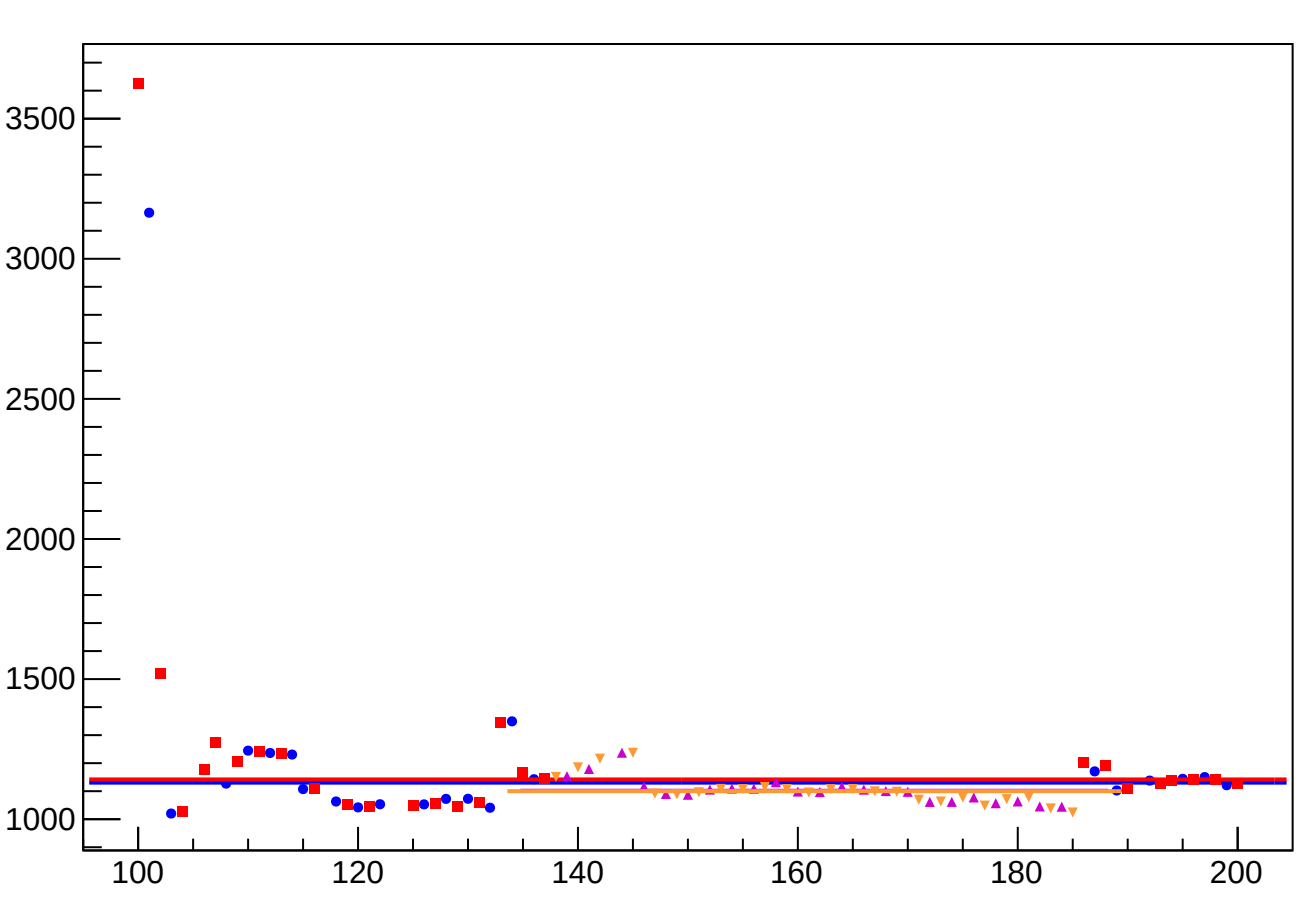
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -50.727+/-231.397 χ^2/NDF: 49.6/47

In: -330.606+/-204.700 χ^2/NDF:37.4/44

Out: 346.697+/-199.123 χ^2/NDF:75.3/49

All: 17.396+/-142.732 χ^2/NDF: 118.2/94



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

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

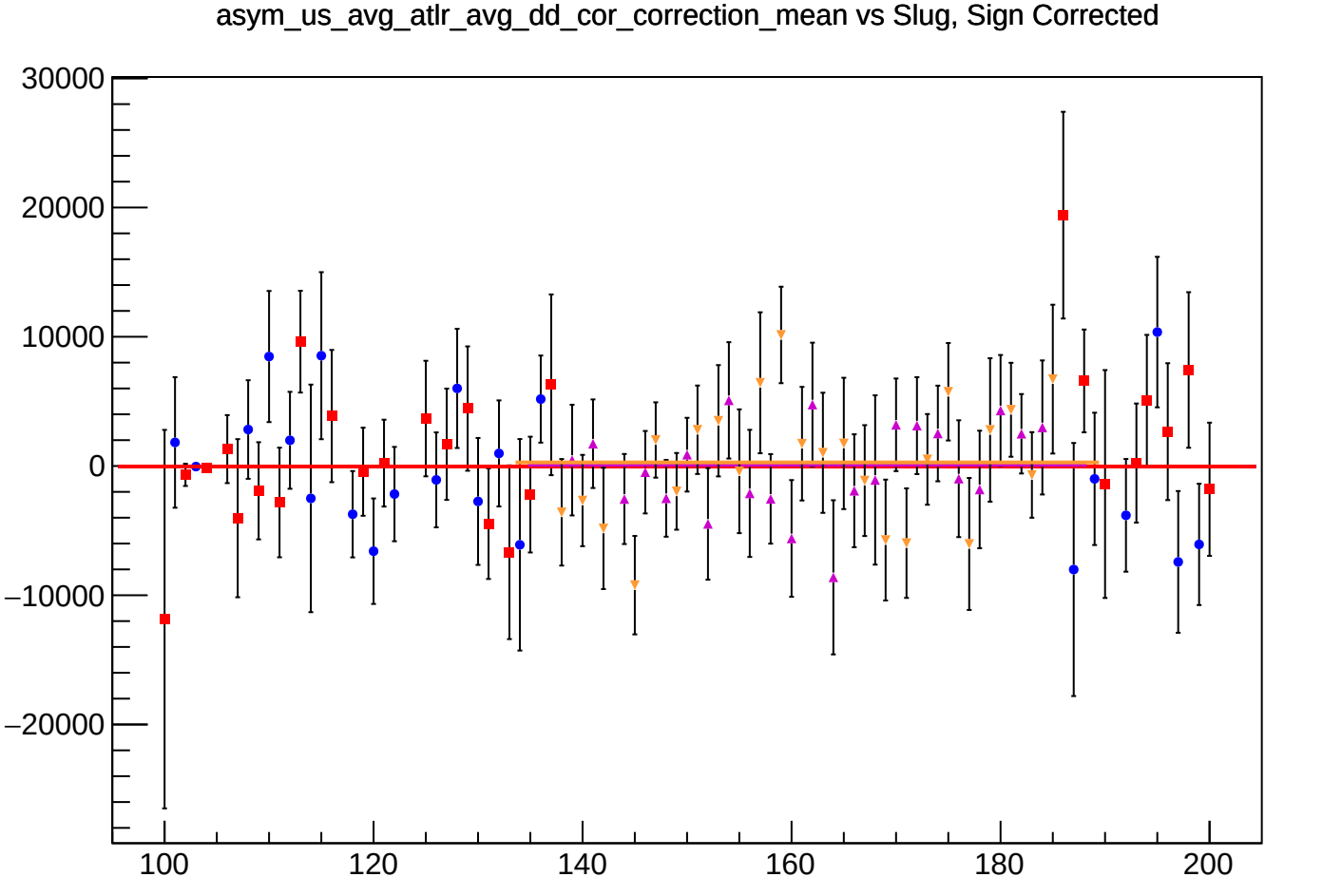
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.579+/-0.164 χ^2/NDF: 852108.2/47

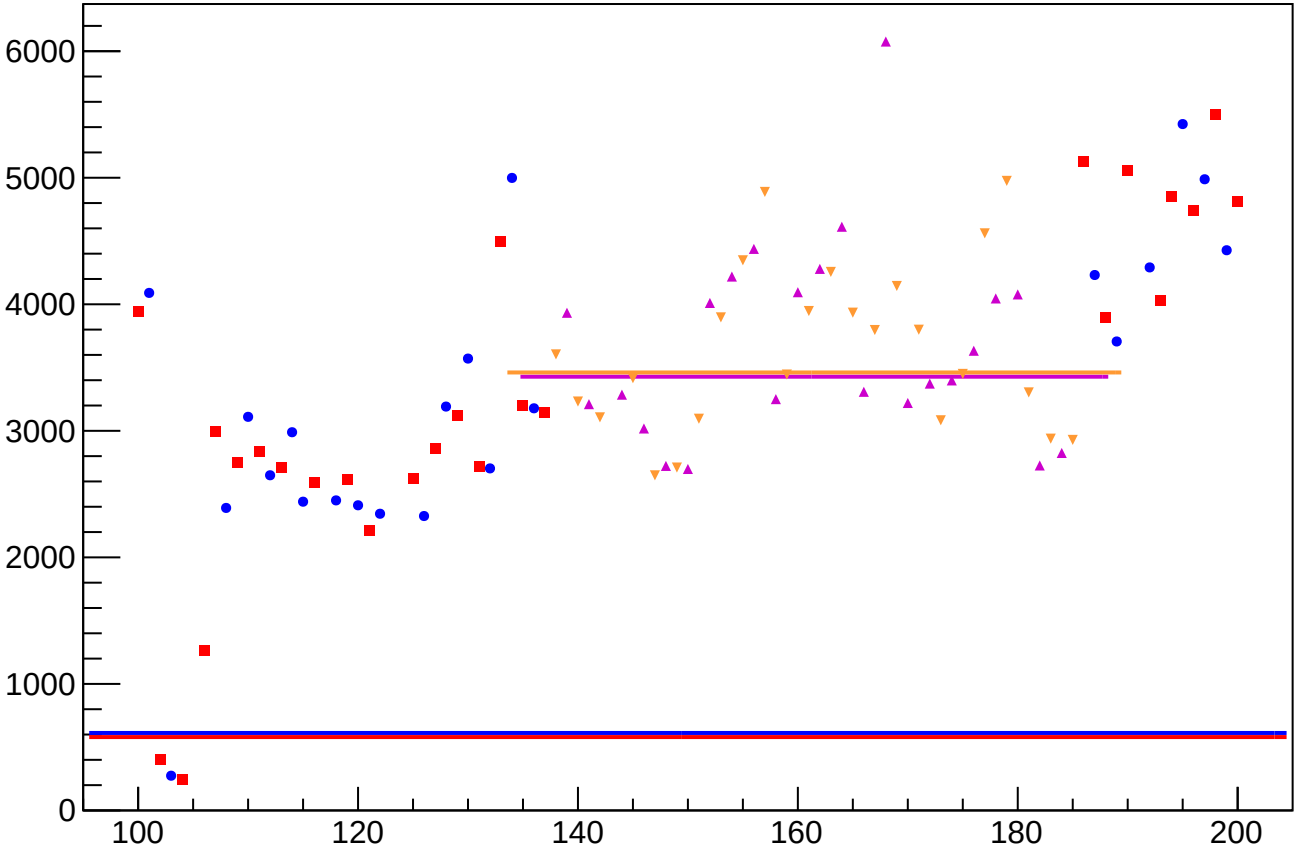
In: 1112.195+/-0.145 χ^2/NDF:685027.7/44

Out: 1116.506+/-0.141 χ^2/NDF:307181.1/49

All: 1114.411+/-0.101 χ^2/NDF: 992664.7/94


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -41.297+/-340.323 χ²/NDF: 23.0/21
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -40.042+/-313.004 χ²/NDF: 25.8/25
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -40.617+/-230.381 χ²/NDF: 48.8/47
In: -21.191+/-314.169 χ²/NDF:36.7/44
Out: 0.303+/-292.447 χ²/NDF:55.8/49
All: -9.676+/-214.059 χ²/NDF: 92.5/94

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

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

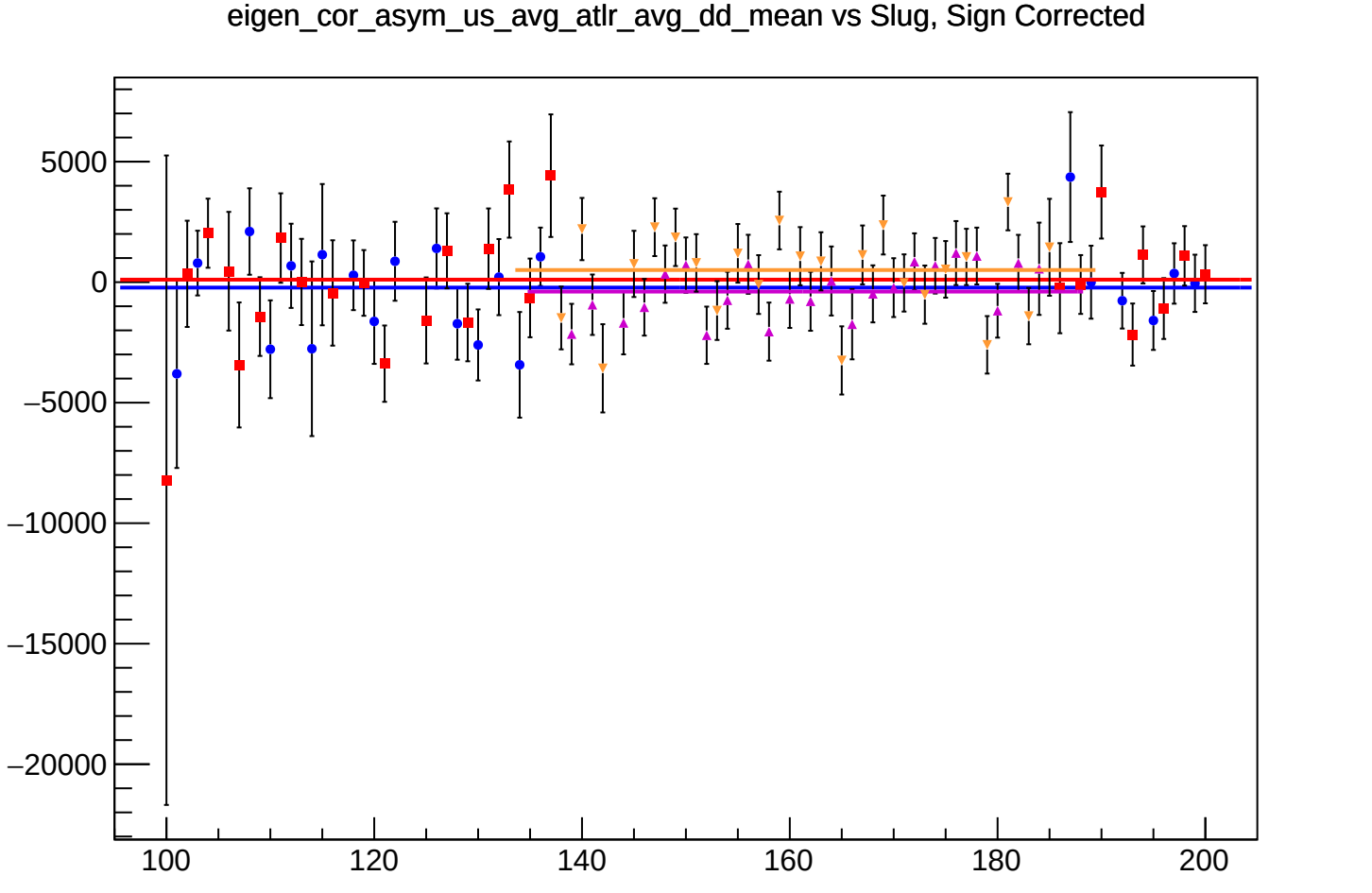
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

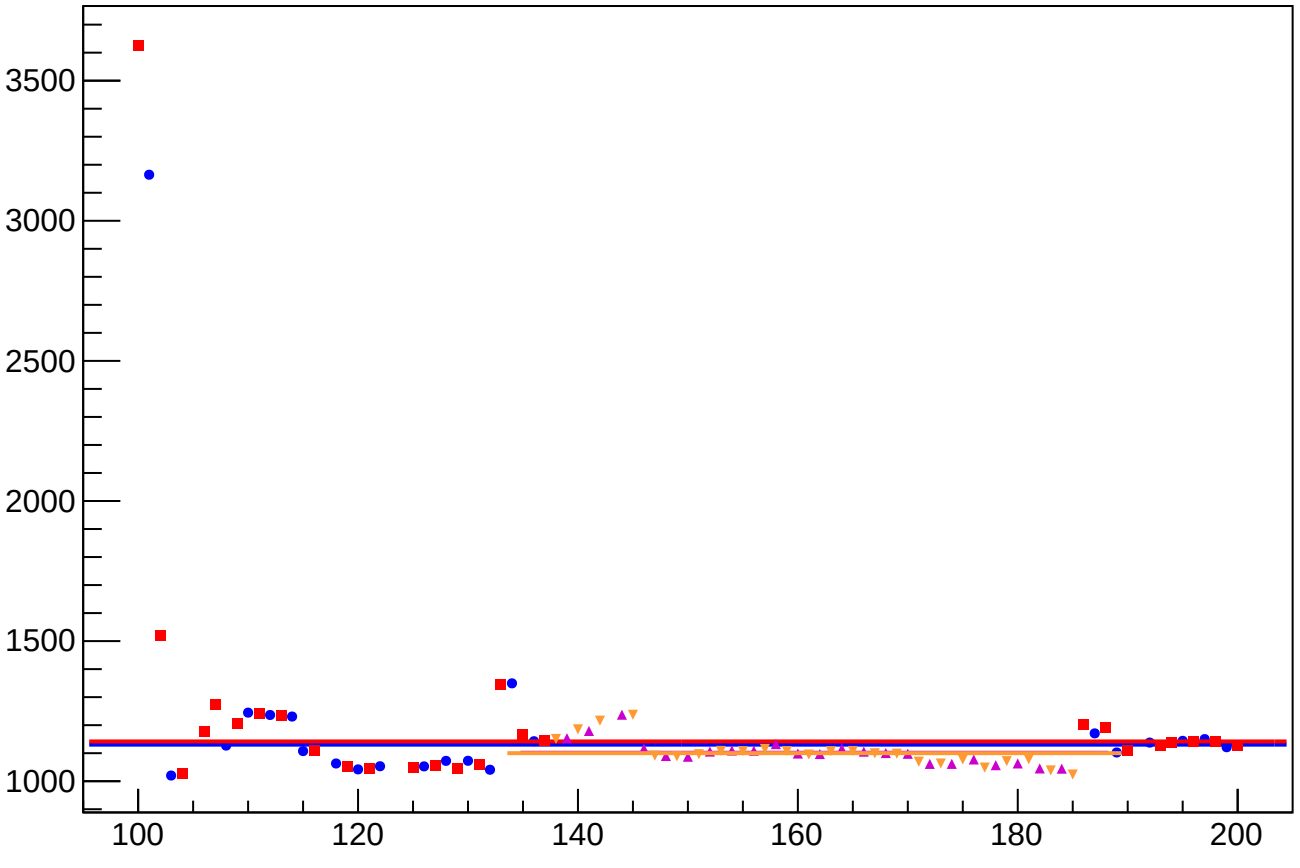
Right: 594.834+/-0.163 χ^2/NDF: 34763440.0/47

In: 1028.538+/-0.222 χ^2/NDF:37851631.8/44

Out: 945.977+/-0.207 χ^2/NDF:40963301.6/49

All: 984.305+/-0.151 χ^2/NDF: 78888932.4/94


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -225.475+/-337.669 χ²/NDF: 19.4/21
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 103.991+/-317.729 χ²/NDF: 29.7/25
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -50.727+/-231.397 χ²/NDF: 49.6/47
In: -330.606+/-204.700 χ²/NDF:37.4/44
Out: 346.697+/-199.123 χ²/NDF:75.3/49
All: 17.396+/-142.732 χ²/NDF: 118.2/94



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

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

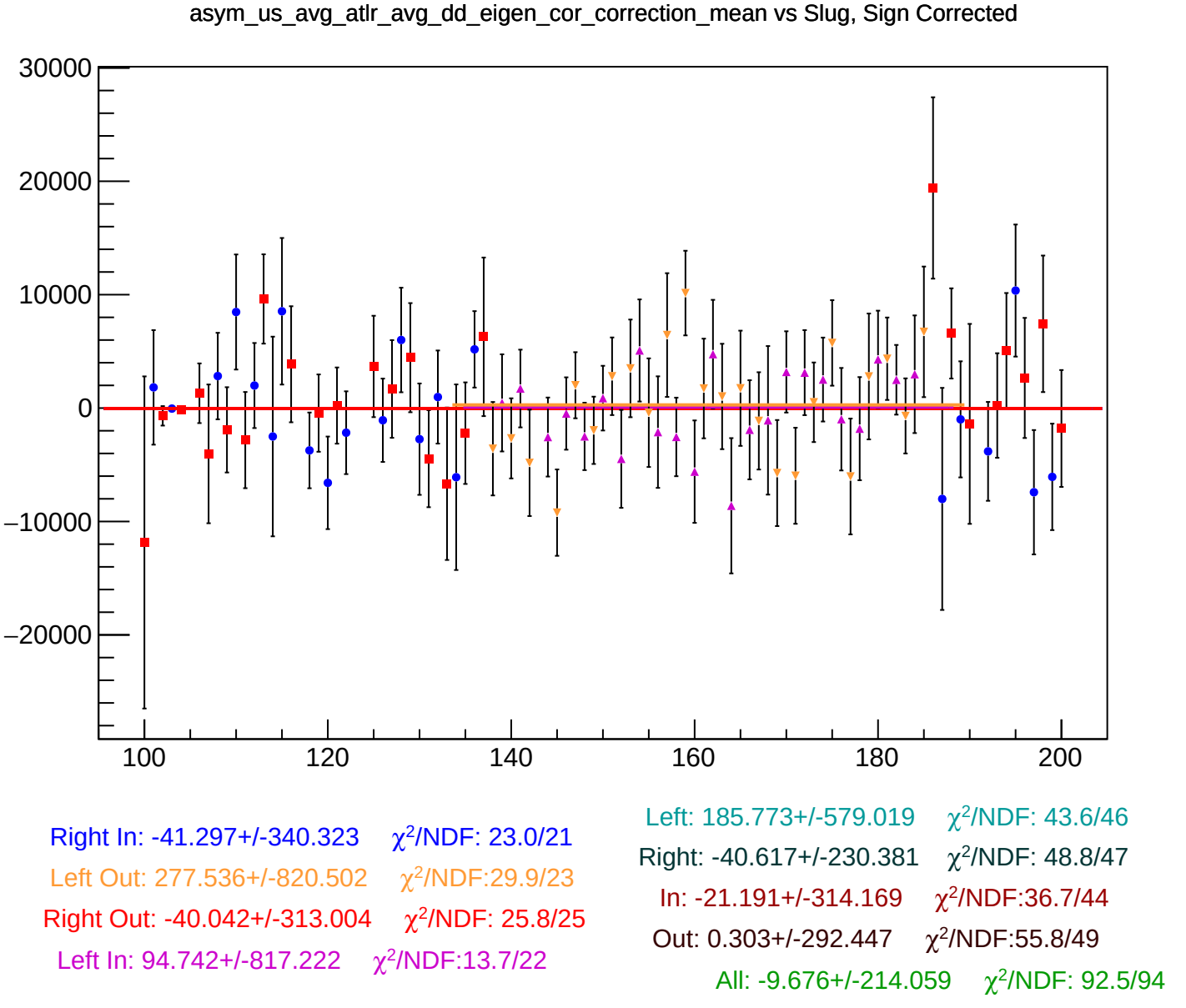
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

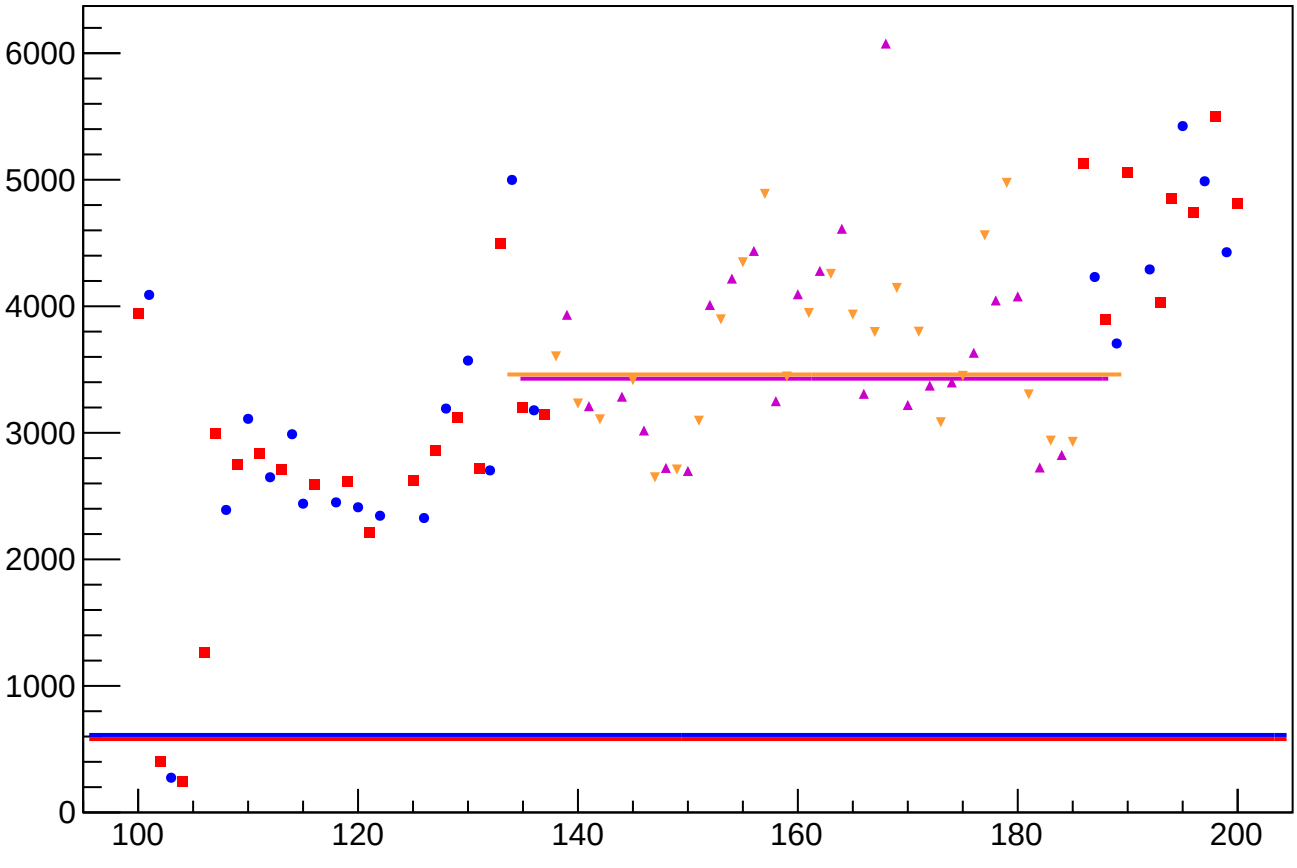
Right: 1136.579+/-0.164 χ^2/NDF: 852108.2/47

In: 1112.195+/-0.145 χ^2/NDF:685027.7/44

Out: 1116.506+/-0.141 χ^2/NDF:307181.1/49

All: 1114.411+/-0.101 χ^2/NDF: 992664.7/94


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -41.297+/-340.323 χ²/NDF: 23.0/21
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -40.042+/-313.004 χ²/NDF: 25.8/25
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -40.617+/-230.381 χ²/NDF: 48.8/47
In: -21.191+/-314.169 χ²/NDF:36.7/44
Out: 0.303+/-292.447 χ²/NDF:55.8/49
All: -9.676+/-214.059 χ²/NDF: 92.5/94



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

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

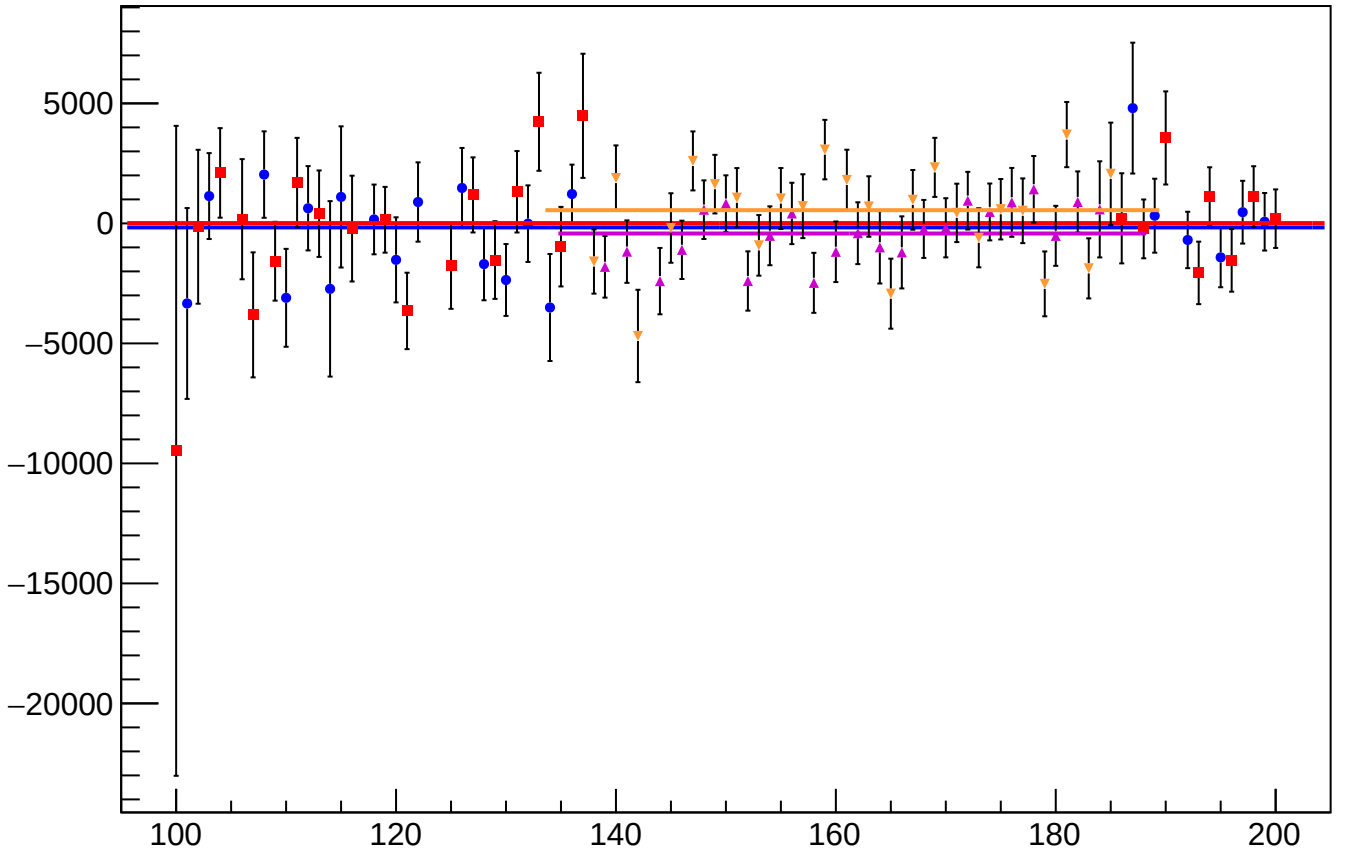
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 594.834+/-0.163 χ^2/NDF: 34763440.0/47

In: 1028.538+/-0.222 χ^2/NDF:37851631.8/44

Out: 945.977+/-0.207 χ^2/NDF:40963301.6/49

All: 984.305+/-0.151 χ^2/NDF: 78888932.4/94



Right In: -168.143+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 12.973+/-326.434 χ^2/NDF: 30.7/25

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

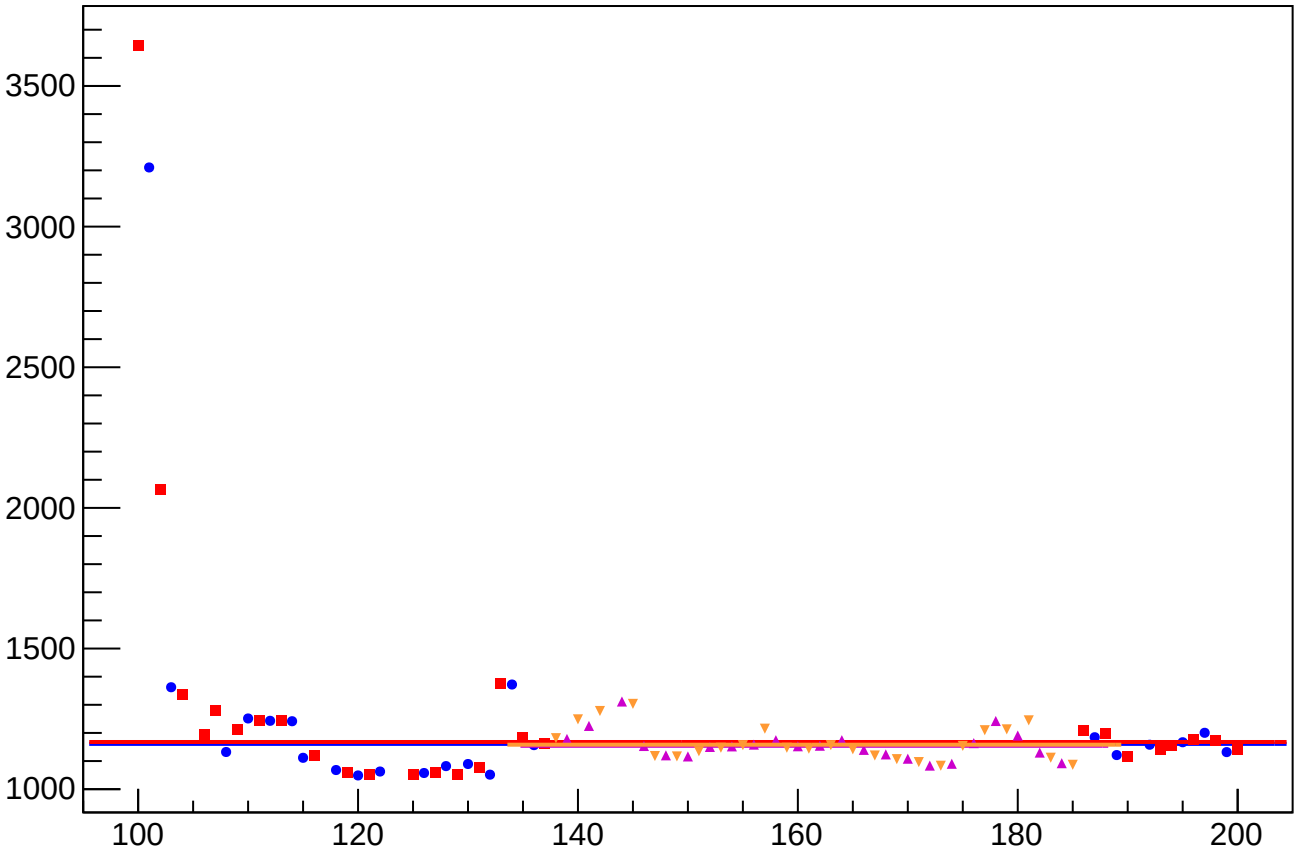
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -72.073+/-237.745 χ^2/NDF: 50.1/47

In: -325.721+/-212.989 χ^2/NDF:37.6/44

Out: 333.005+/-207.690 χ^2/NDF:77.5/49

All: 11.937+/-148.697 χ^2/NDF: 120.0/94



Right In: 1161.044+/-0.245 χ^2/NDF: 639927.2/21

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

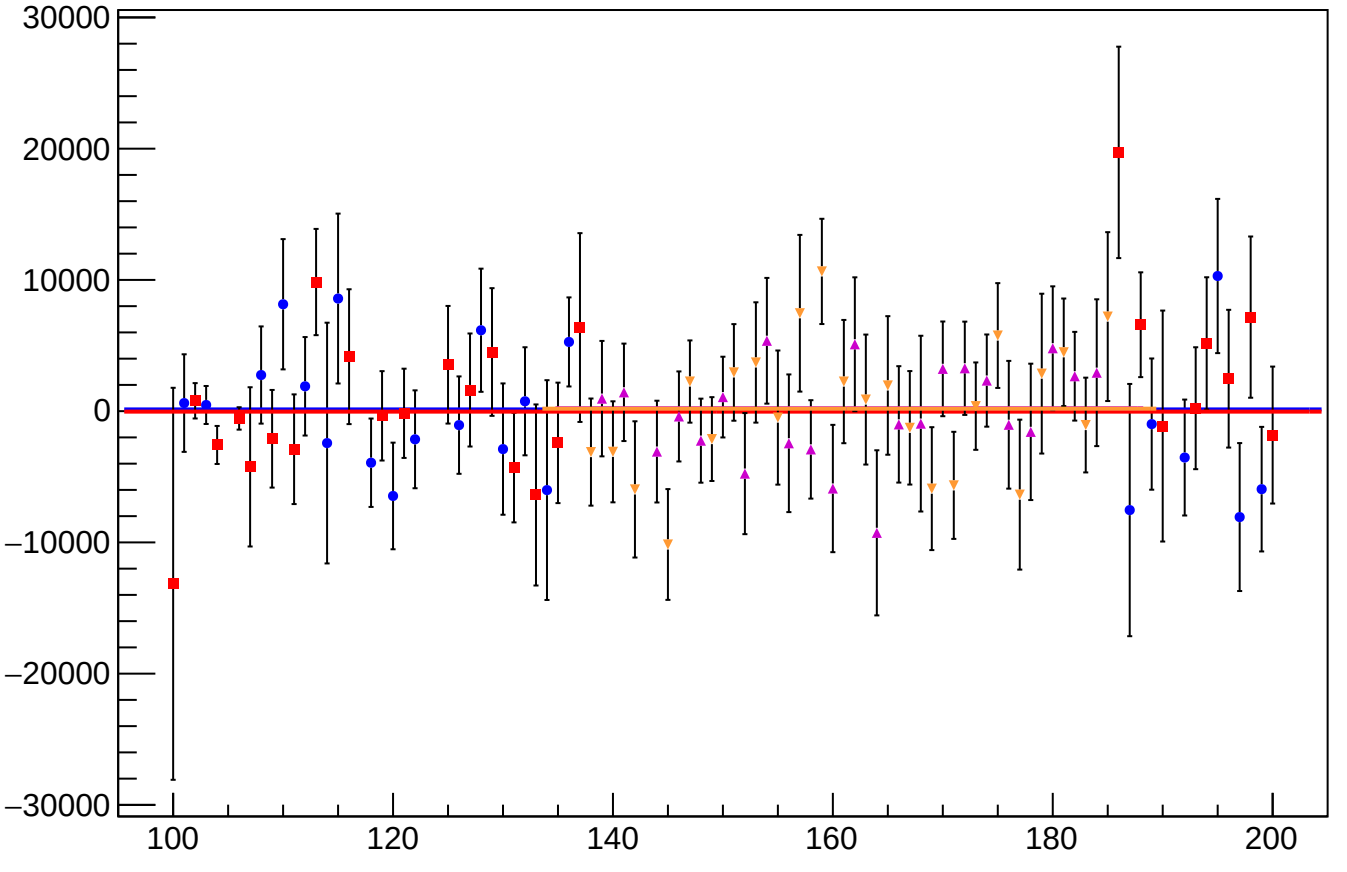
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1164.621+/-0.168 χ^2/NDF: 977938.6/47

In: 1156.798+/-0.151 χ^2/NDF:706884.8/44

Out: 1162.068+/-0.147 χ^2/NDF:422754.2/49

All: 1159.499+/-0.105 χ^2/NDF: 1130266.5/94



Right In: 132.806+/-812.259 χ^2/NDF: 22.8/21

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

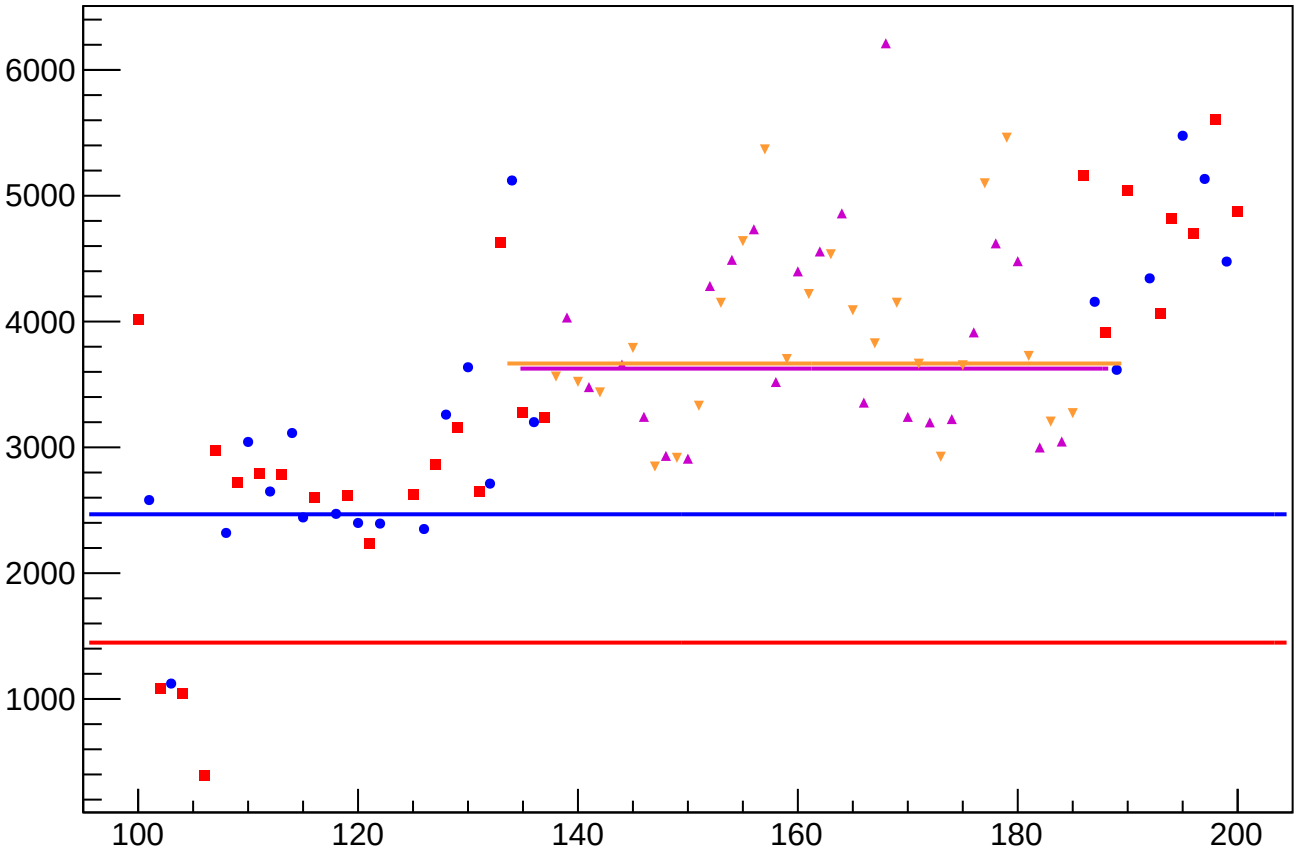
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 16.246+/-451.064 χ^2/NDF: 51.4/47

In: 174.313+/-592.050 χ^2/NDF:36.2/44

Out: 27.436+/-460.179 χ^2/NDF:58.0/49

All: 82.752+/-363.334 χ^2/NDF: 94.2/94



Right In: 2468.030+/-0.574 χ^2/NDF: 4103179.5/21

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

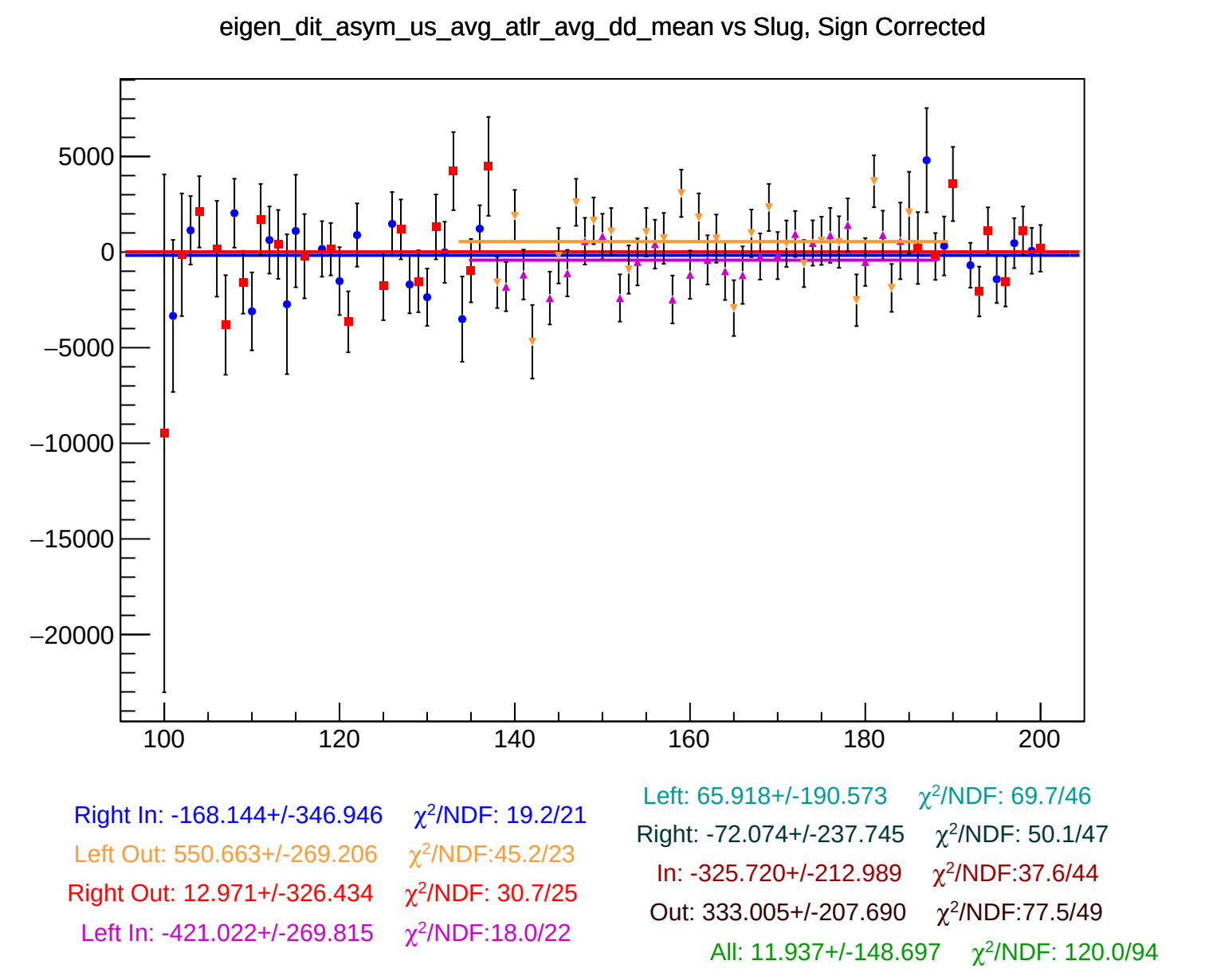
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

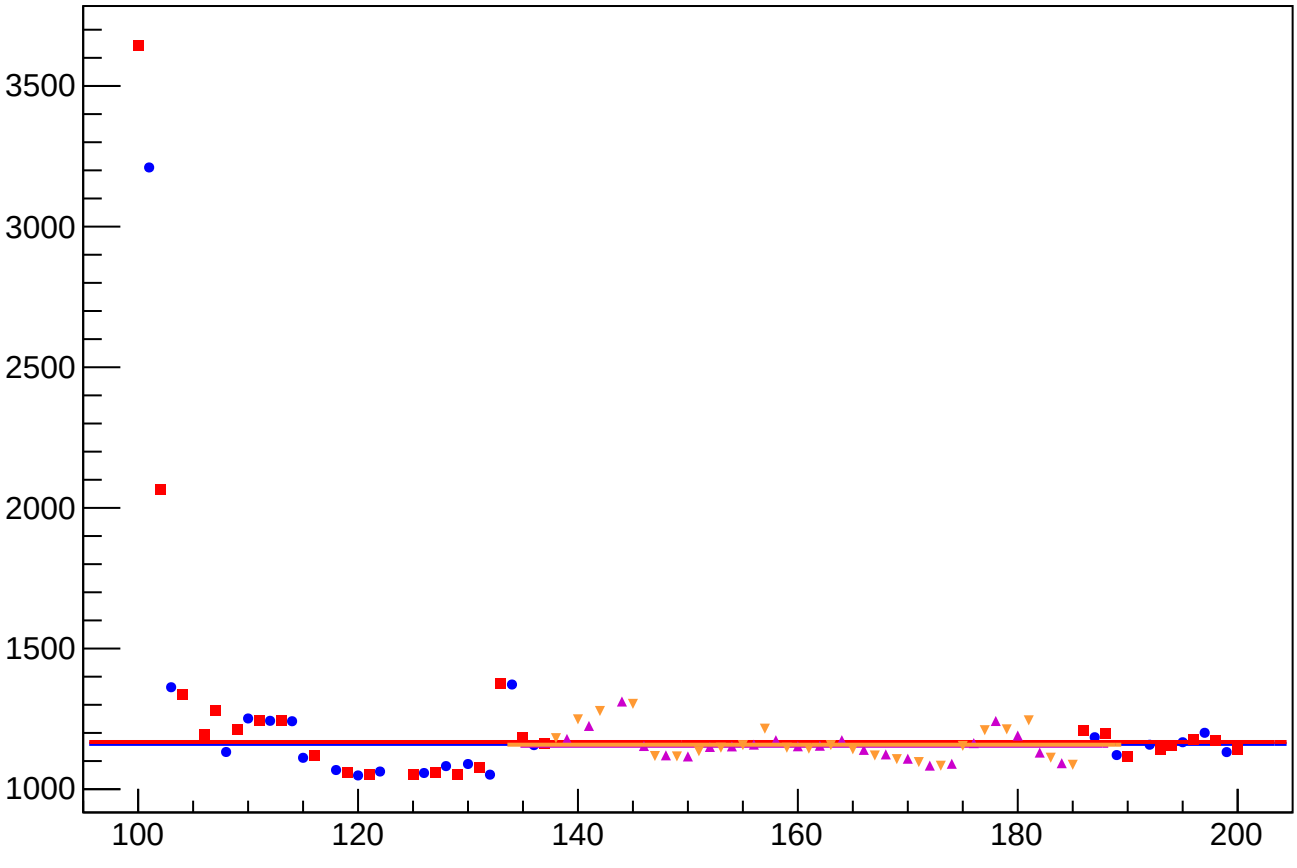
Right: 1762.561+/-0.319 χ^2/NDF: 18179345.2/47

In: 3010.761+/-0.419 χ^2/NDF:7266128.8/44

Out: 2069.515+/-0.325 χ^2/NDF:22364828.1/49

All: 2424.001+/-0.257 χ^2/NDF: 32782167.5/9


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -168.144+/-346.946 χ²/NDF: 19.2/21
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 12.971+/-326.434 χ²/NDF: 30.7/25
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -72.074+/-237.745 χ²/NDF: 50.1/47
In: -325.720+/-212.989 χ²/NDF:37.6/44
Out: 333.005+/-207.690 χ²/NDF:77.5/49
All: 11.937+/-148.697 χ²/NDF: 120.0/94



Right In: 1161.043+/-0.245 χ^2/NDF: 639927.5/21

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

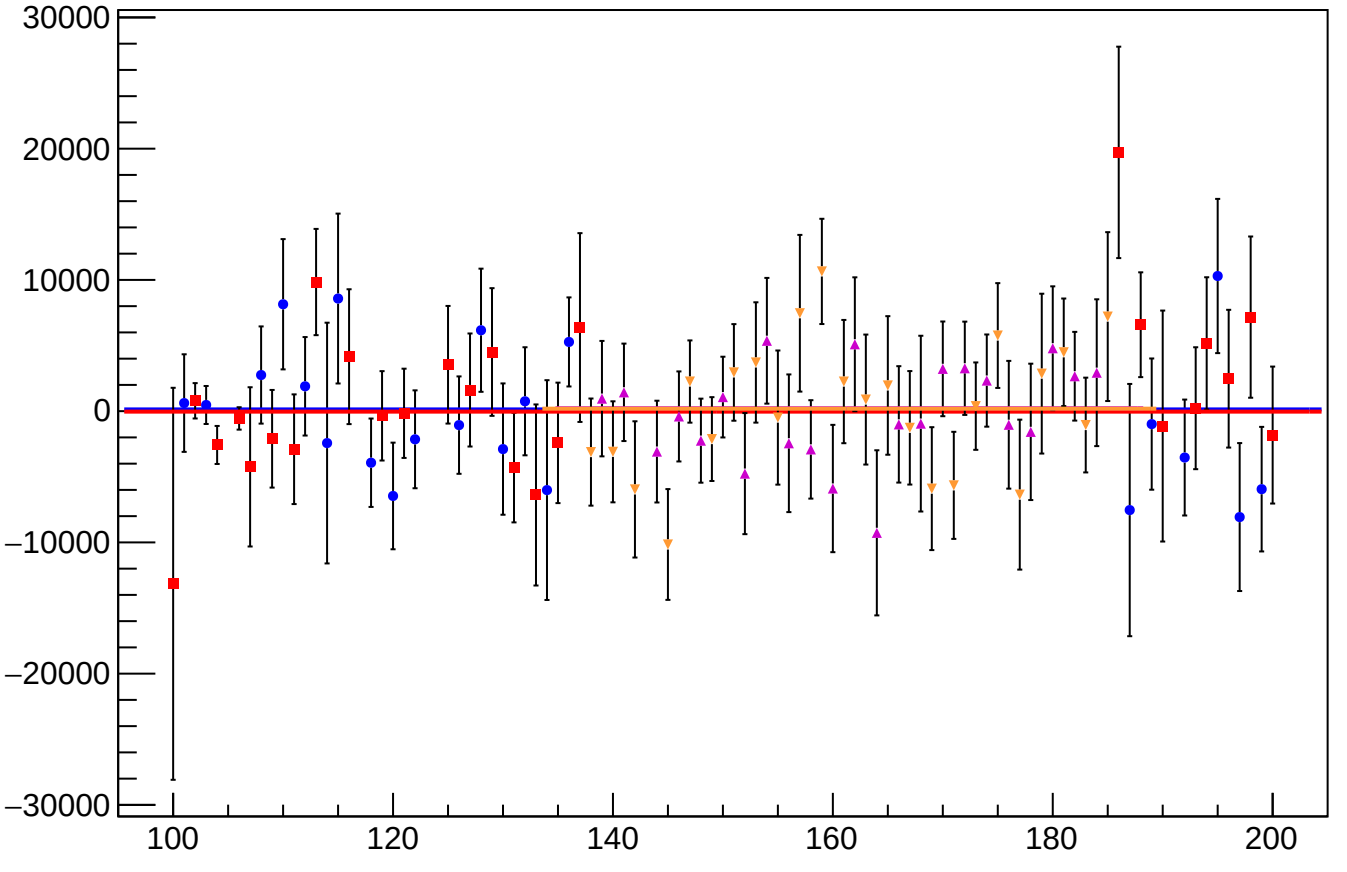
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1164.621+/-0.168 χ^2/NDF: 977938.6/47

In: 1156.799+/-0.151 χ^2/NDF:706887.4/44

Out: 1162.068+/-0.147 χ^2/NDF:422756.1/49

All: 1159.500+/-0.105 χ^2/NDF: 1130271.1/94



Right In: 132.802+/-812.258 χ^2/NDF: 22.8/21

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

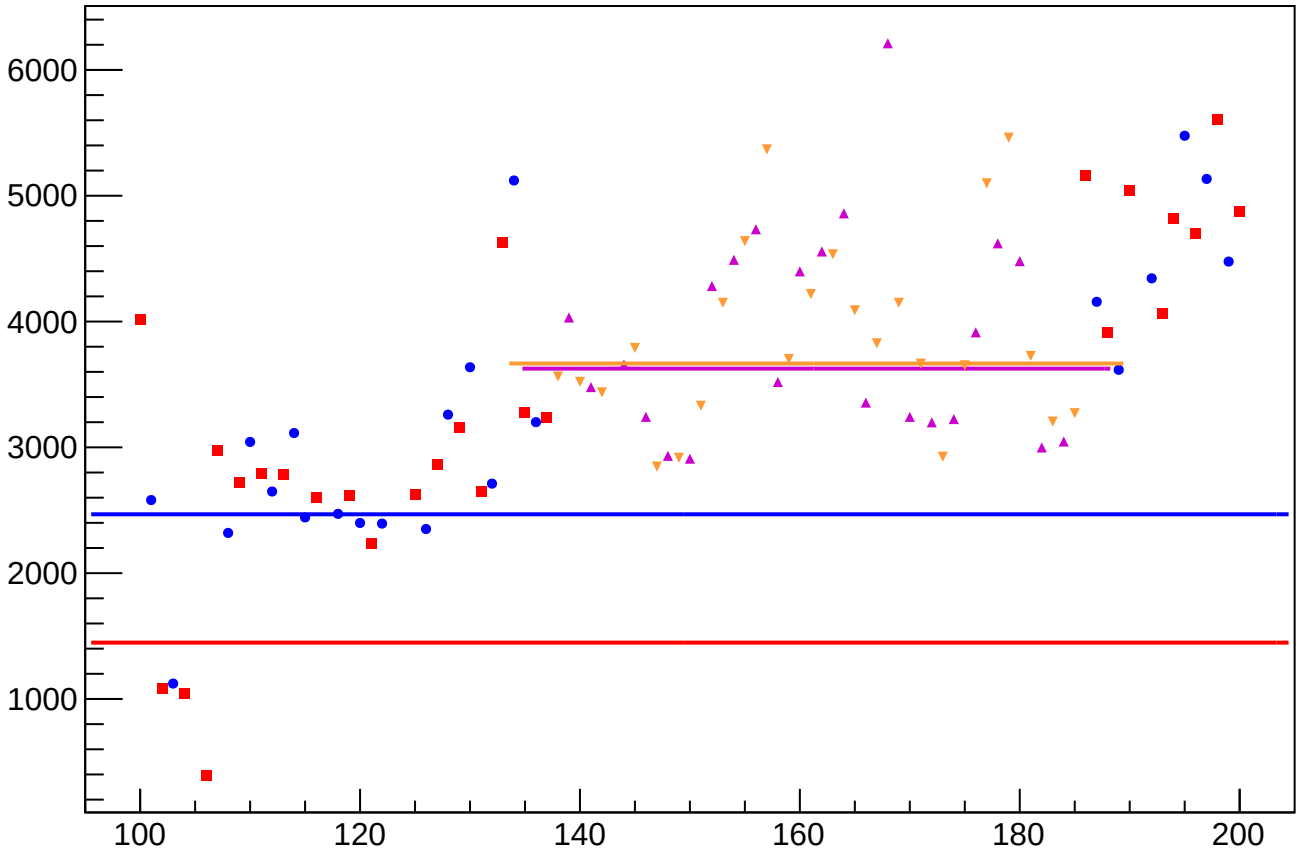
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 16.238+/-451.060 χ^2/NDF: 51.4/47

In: 174.312+/-592.050 χ^2/NDF:36.2/44

Out: 27.428+/-460.176 χ^2/NDF:58.0/49

All: 82.746+/-363.332 χ^2/NDF: 94.2/94



Right In: 2468.027+/-0.574 χ^2/NDF: 4103188.6/21

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

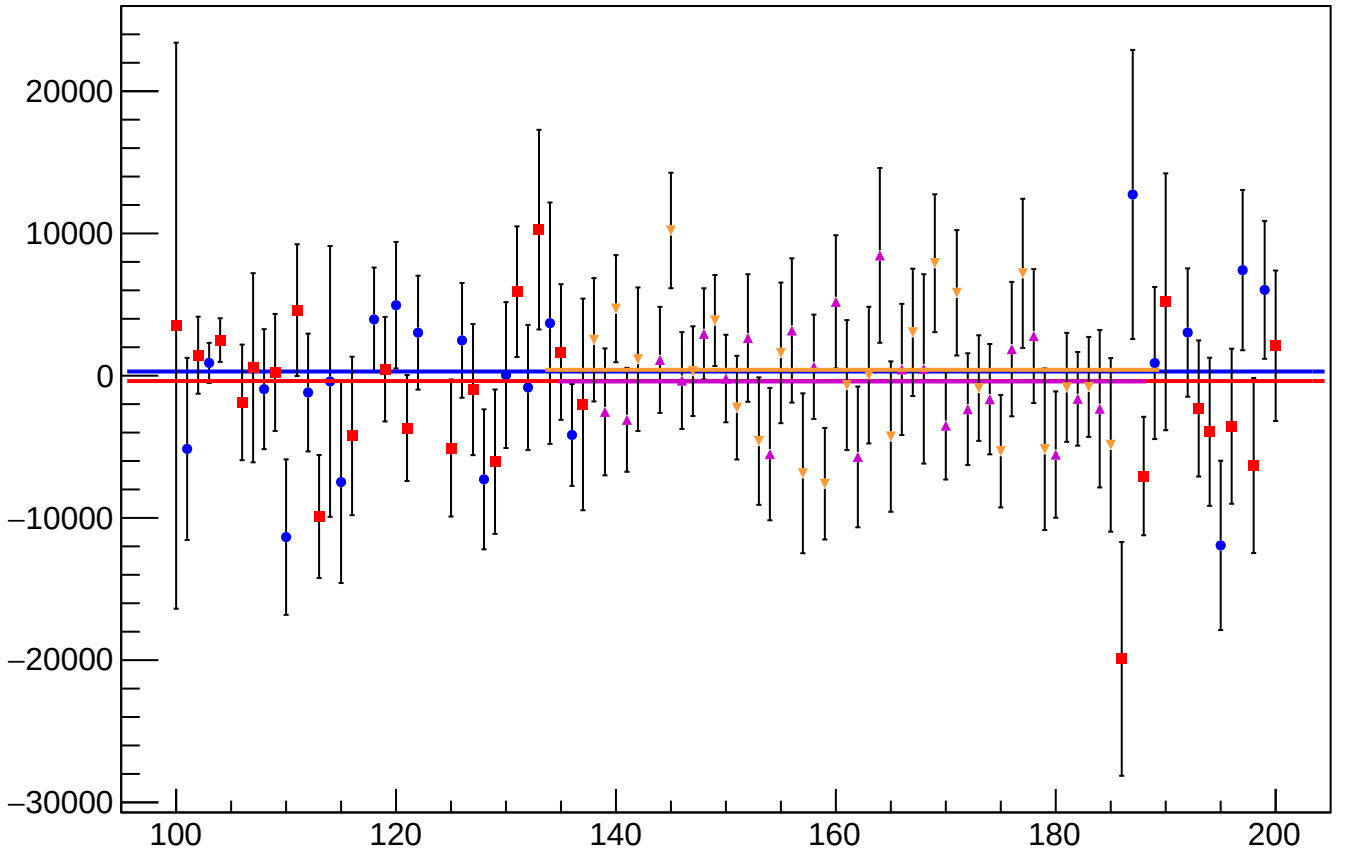
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1762.537+/-0.319 χ^2/NDF: 18179698.8/47

In: 3010.760+/-0.419 χ^2/NDF:7266169.2/44

Out: 2069.486+/-0.325 χ^2/NDF:22365369.1/49

All: 2423.979+/-0.257 χ^2/NDF: 32782956.8/9



Right In: 294.279+/-852.570 χ^2/NDF: 23.0/21

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -377.883+/-815.239 χ^2/NDF: 28.9/25

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

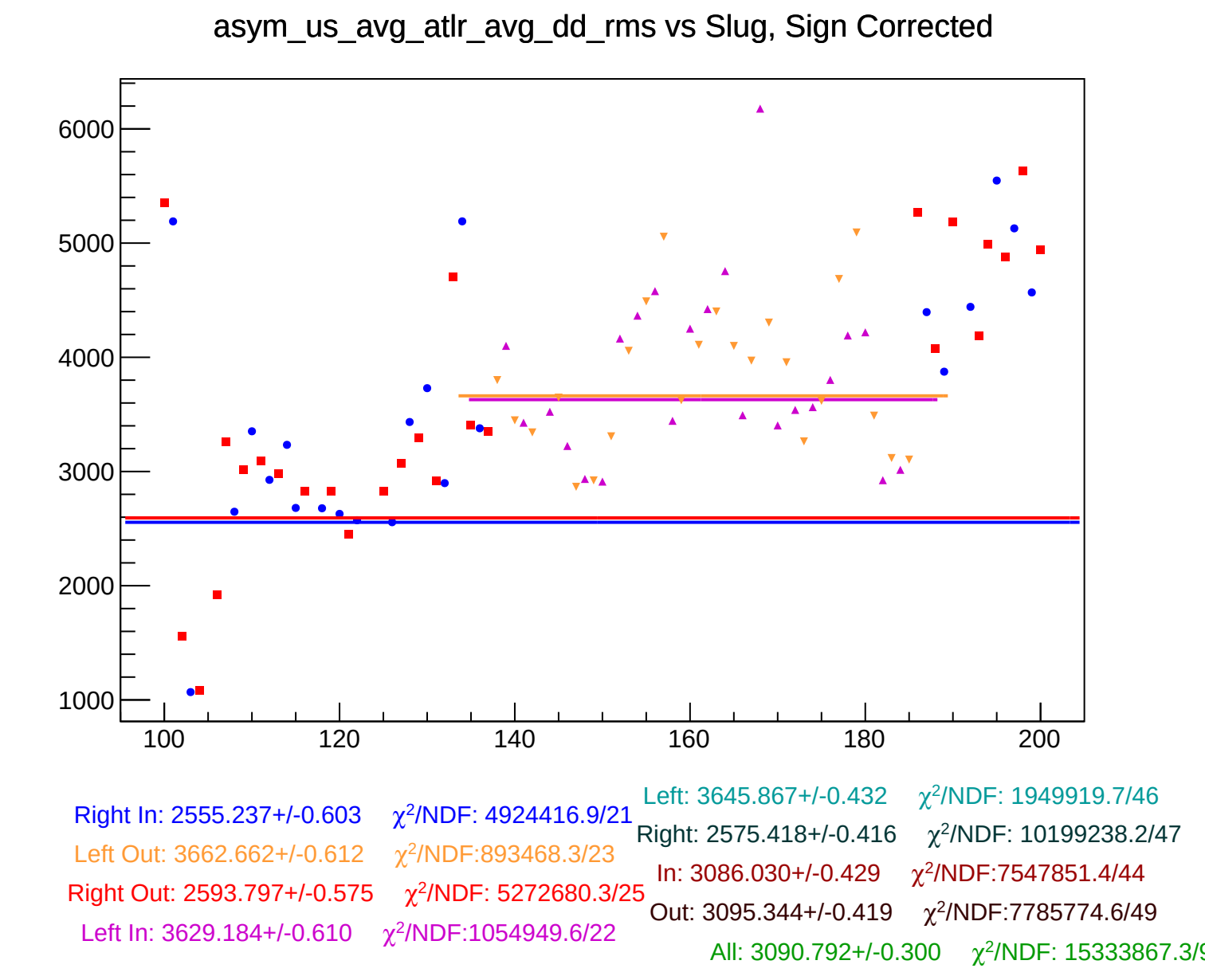
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

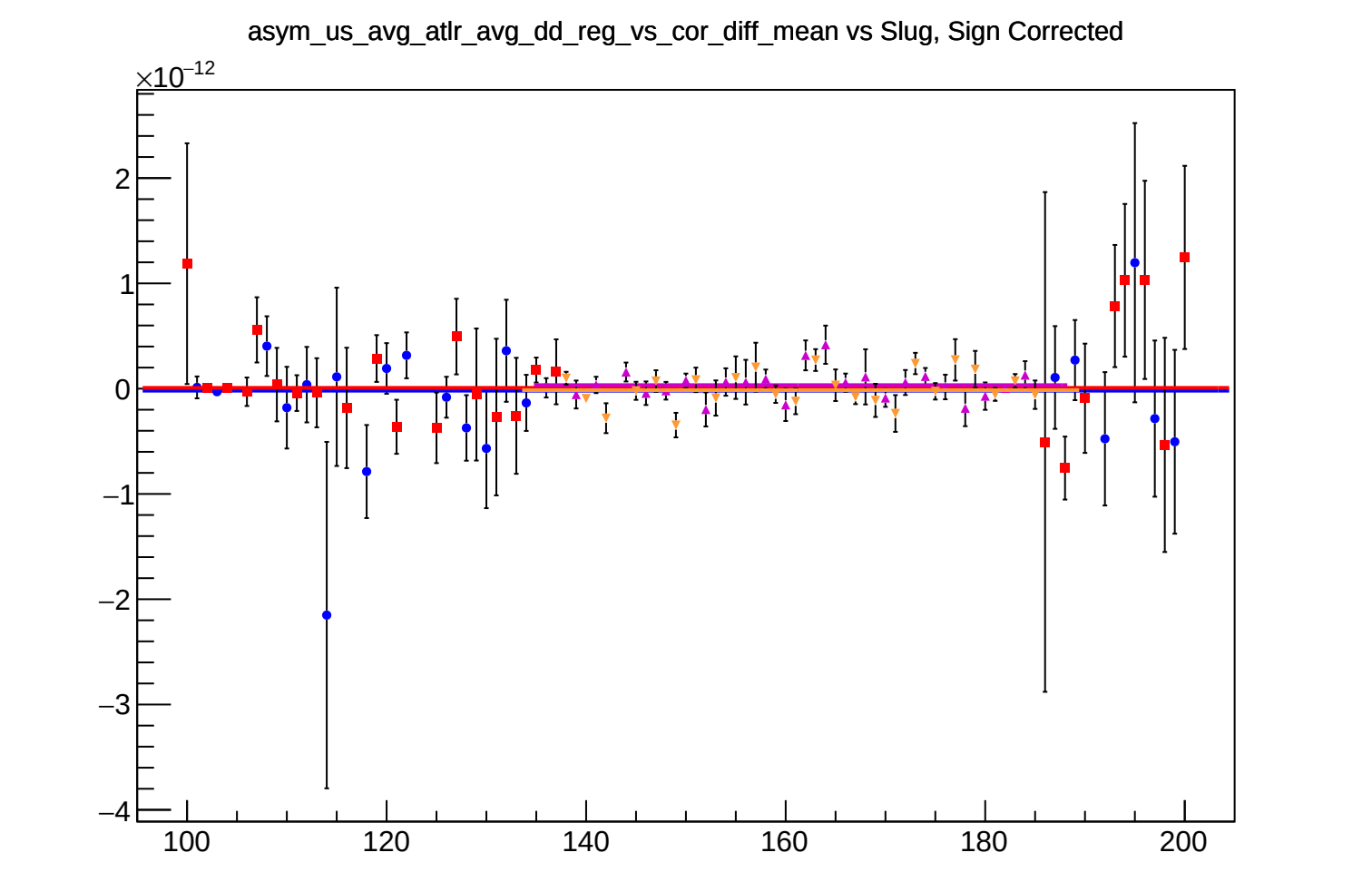
Right: -56.839+/-589.217 χ^2/NDF: 52.2/47

In: -50.617+/-606.316 χ^2/NDF:35.6/44

Out: -5.762+/-593.380 χ^2/NDF:56.5/49

All: -27.706+/-424.083 χ^2/NDF: 92.1/94


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2555.237+/-0.603 χ²/NDF: 4924416.9/21
Left Out: 3662.662+/-0.612 χ²/NDF:893468.3/23
Right Out: 2593.797+/-0.575 χ²/NDF: 5272680.3/25
Left In: 3629.184+/-0.610 χ²/NDF:1054949.6/22
Left: 3645.867+/-0.432 χ²/NDF: 1949919.7/46
Right: 2575.418+/-0.416 χ²/NDF: 10199238.2/47
In: 3086.030+/-0.429 χ²/NDF:7547851.4/44
Out: 3095.344+/-0.419 χ²/NDF:7785774.6/49
All: 3090.792+/-0.300 χ²/NDF: 15333867.3/9



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/21

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

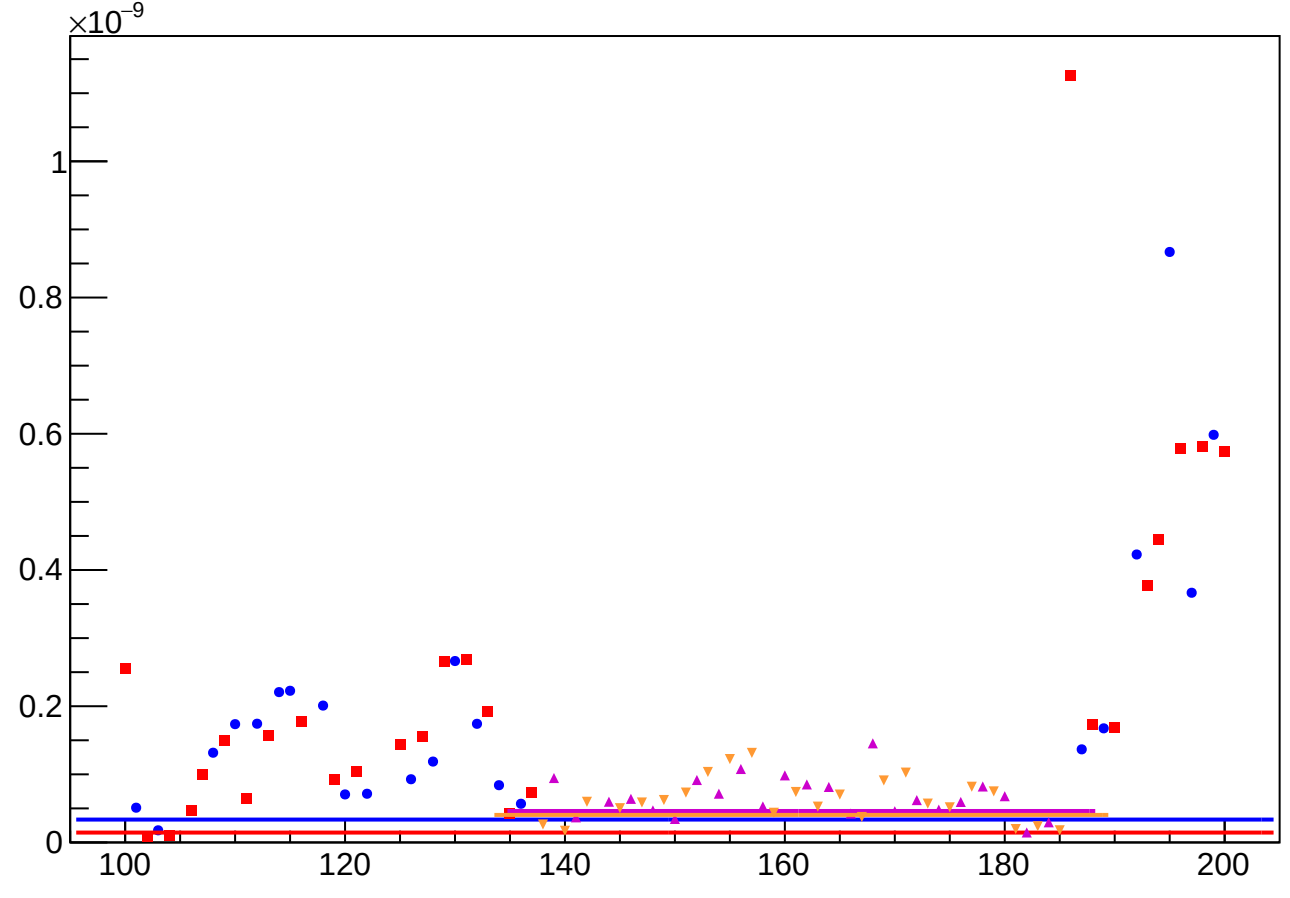
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: 0.000+/-0.000 χ^2/NDF: 44.9/47

In: 0.000+/-0.000 χ^2/NDF:41.8/44

Out: -0.000+/-0.000 χ^2/NDF:74.0/49

All: 0.000+/-0.000 χ^2/NDF: 116.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 6144298.2/21

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

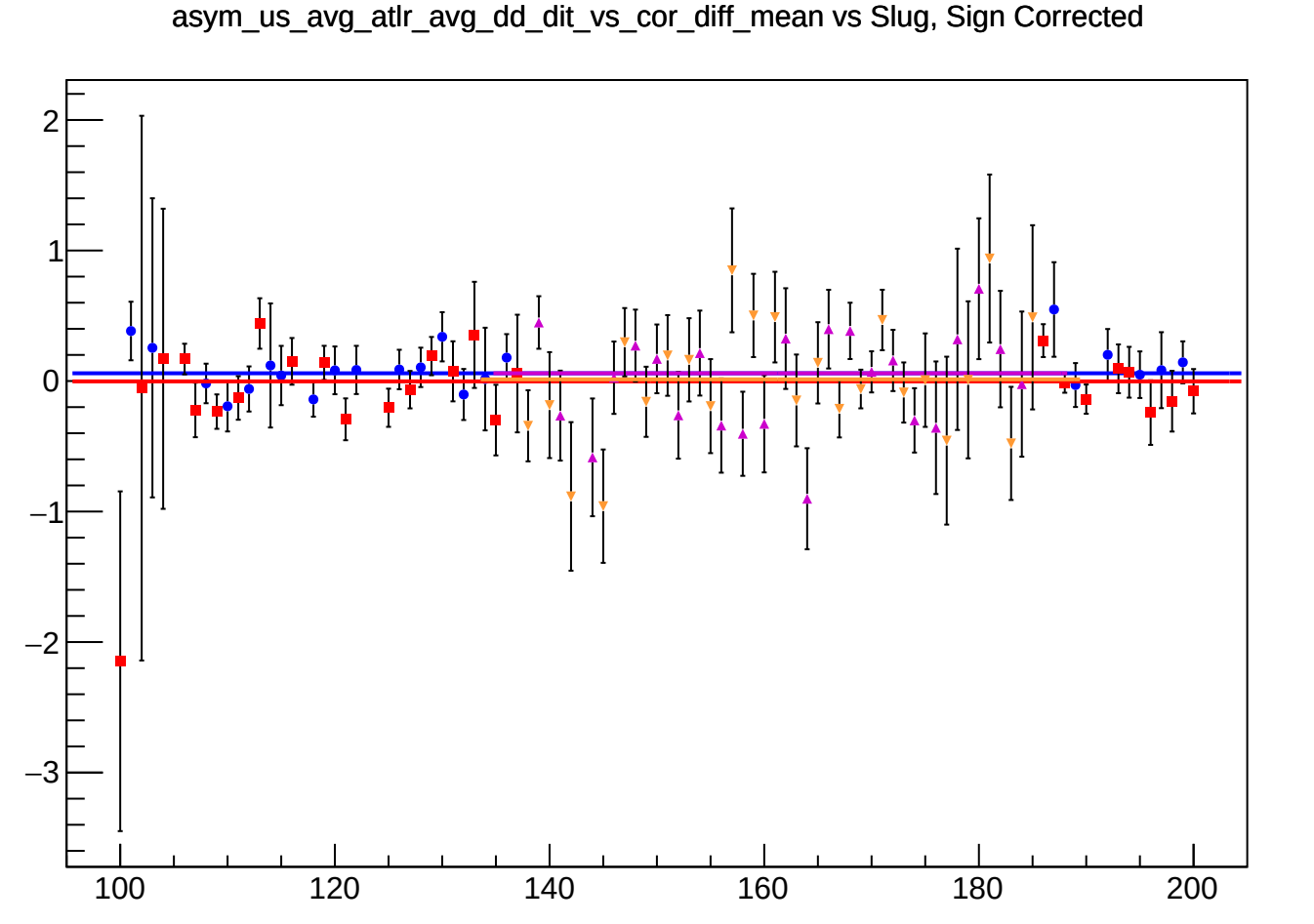
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 15490896.7/47

In: 0.000+/-0.000 χ^2/NDF:9401270.6/44

Out: 0.000+/-0.000 χ^2/NDF:14304209.0/49

All: 0.000+/-0.000 χ^2/NDF: 25161837.3/94



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

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

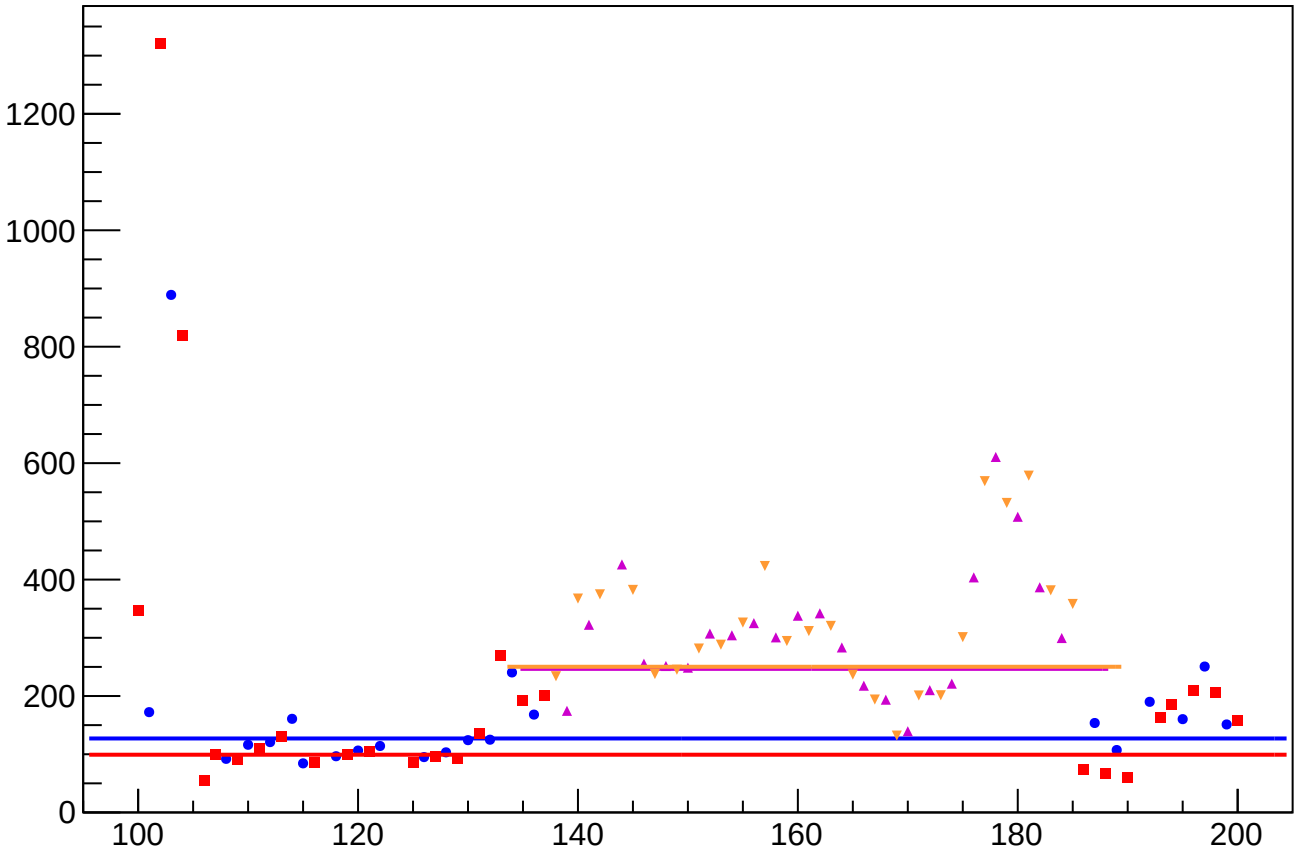
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.021+/-0.025 χ^2/NDF: 50.4/47

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.025+/-0.022 χ^2/NDF: 108.0/94



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

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

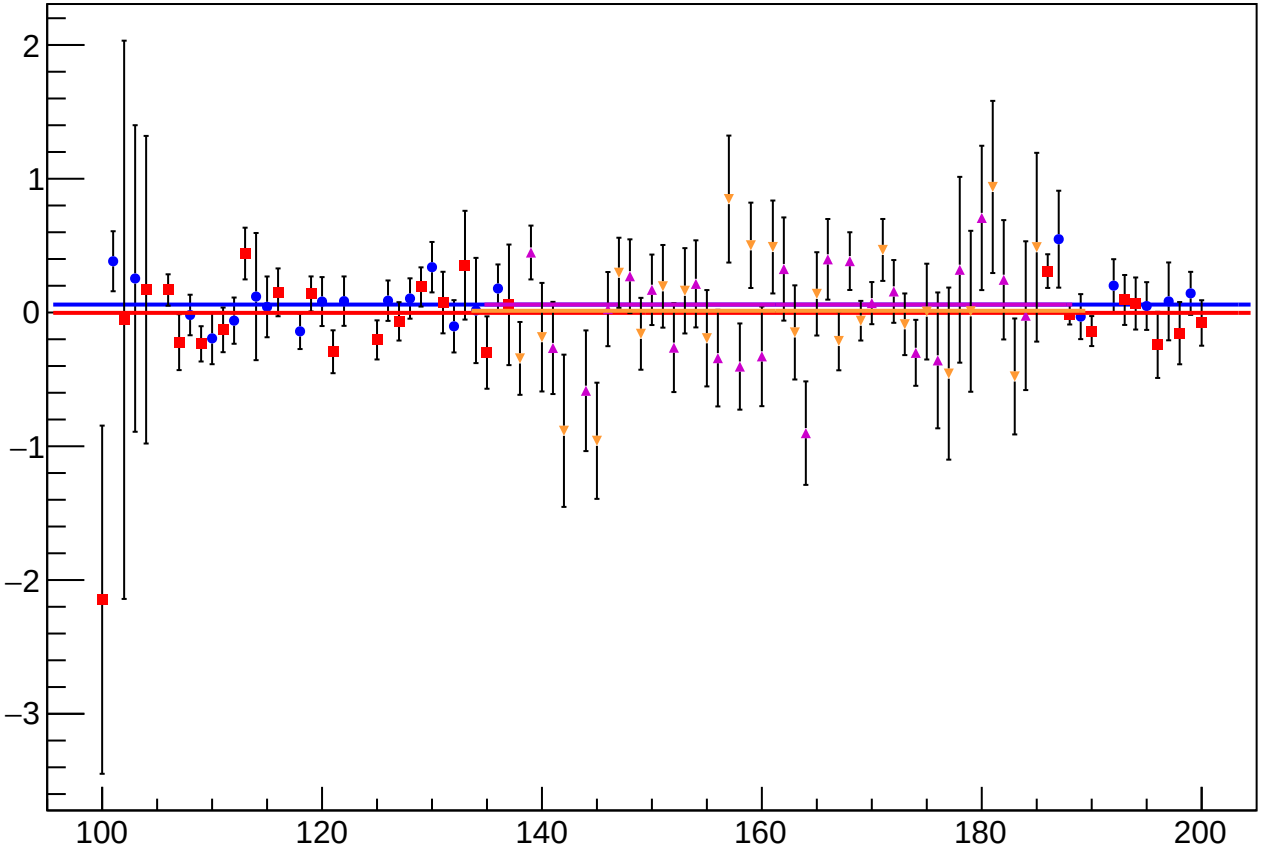
Right: 109.683+/-0.018 χ^2/NDF: 8073816.3/47

In: 163.472+/-0.024 χ^2/NDF:11373625.7/44

Out: 129.970+/-0.020 χ^2/NDF:18574096.9/49

All: 143.664+/-0.015 χ^2/NDF: 31081548.6/94

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

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

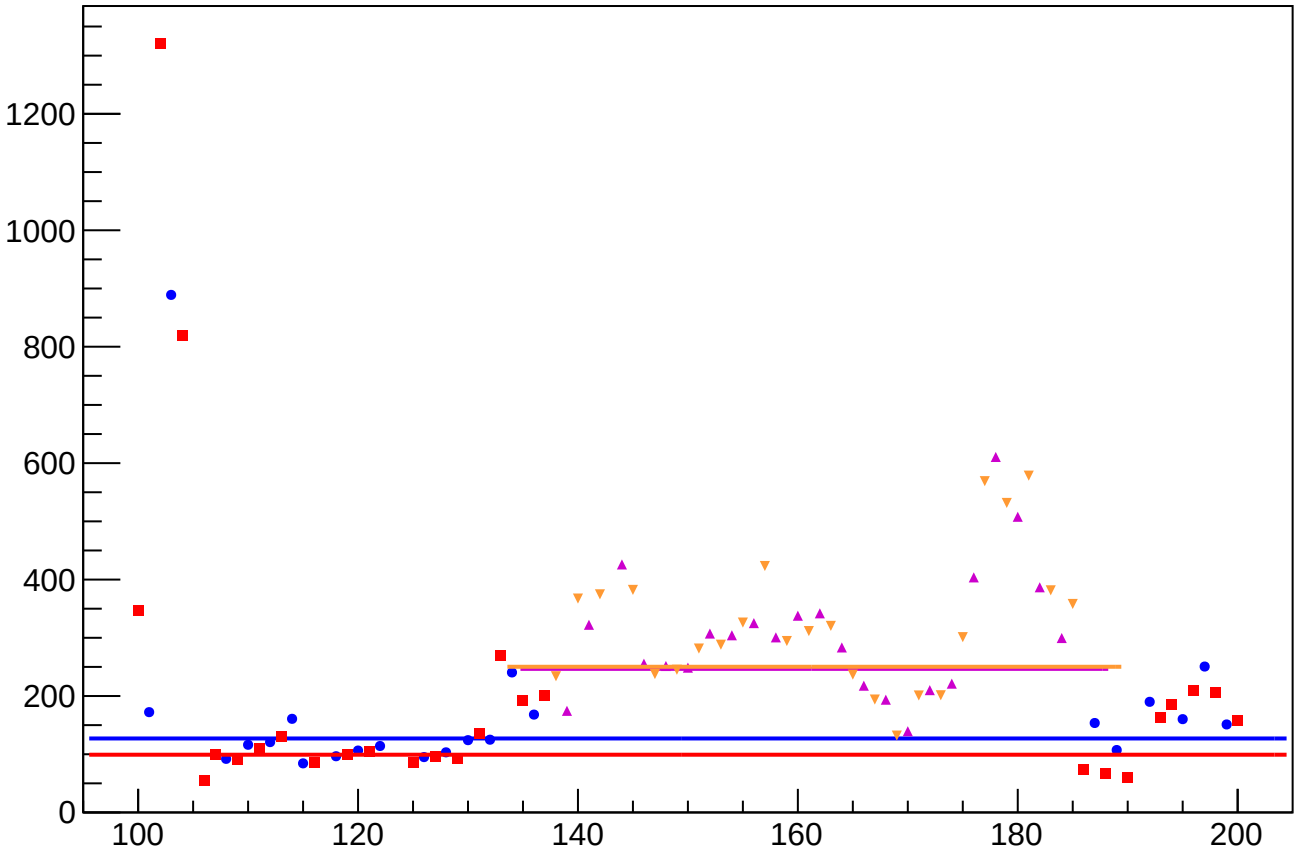
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.021+/-0.025 χ^2/NDF: 50.4/47

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.025+/-0.022 χ^2/NDF: 108.0/94



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

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

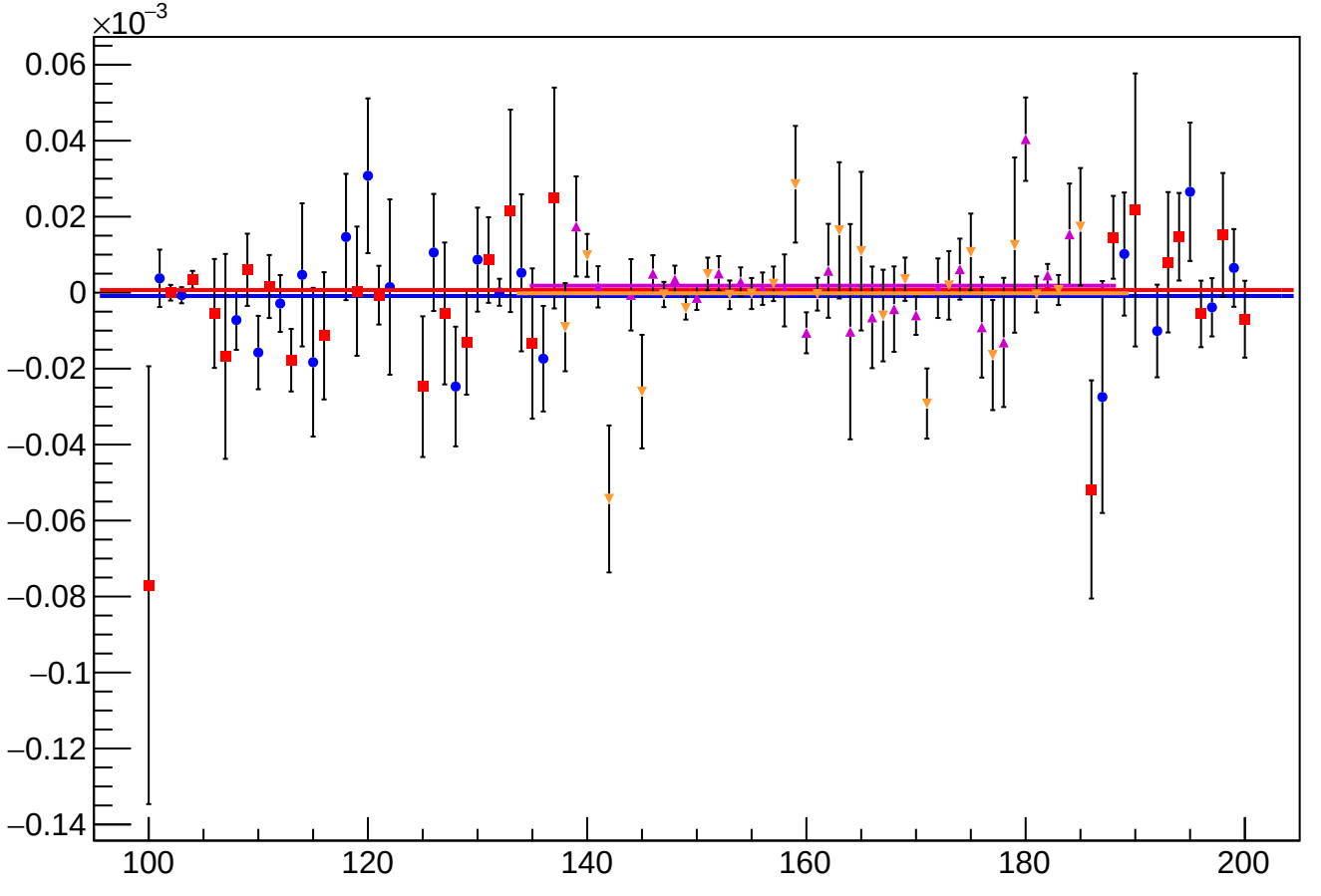
Right: 109.683+/-0.018 χ^2/NDF: 8073816.3/47

In: 163.472+/-0.024 χ^2/NDF:11373625.7/44

Out: 129.970+/-0.020 χ^2/NDF:18574096.9/49

All: 143.664+/-0.015 χ^2/NDF: 31081548.6/94

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: 17.3/21

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

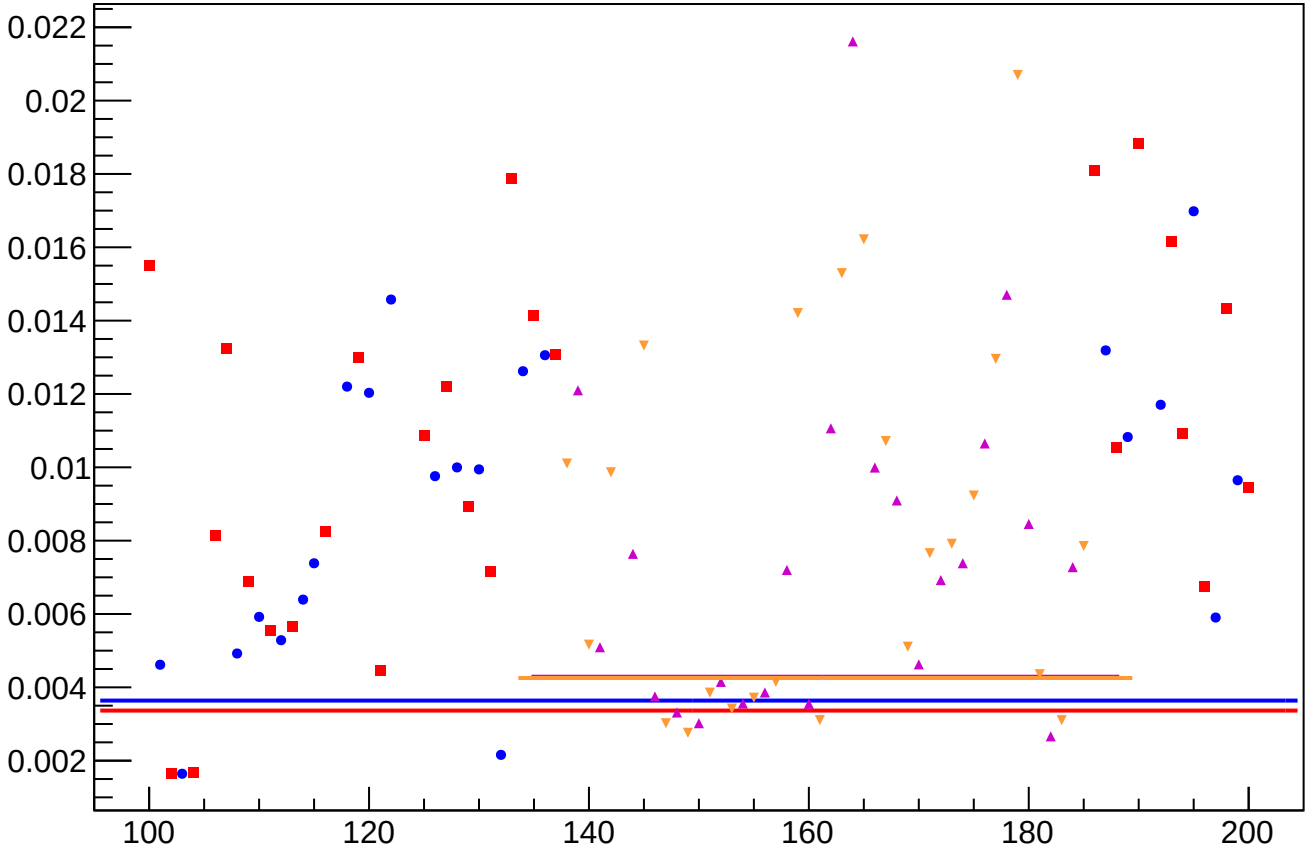
Right: -0.000+/-0.000 χ^2/NDF: 41.8/47

In: 0.000+/-0.000 χ^2/NDF:47.5/44

Out: 0.000+/-0.000 χ^2/NDF:61.3/49

All: 0.000+/-0.000 χ^2/NDF: 109.0/94

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 9628520.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12641713.0/25

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

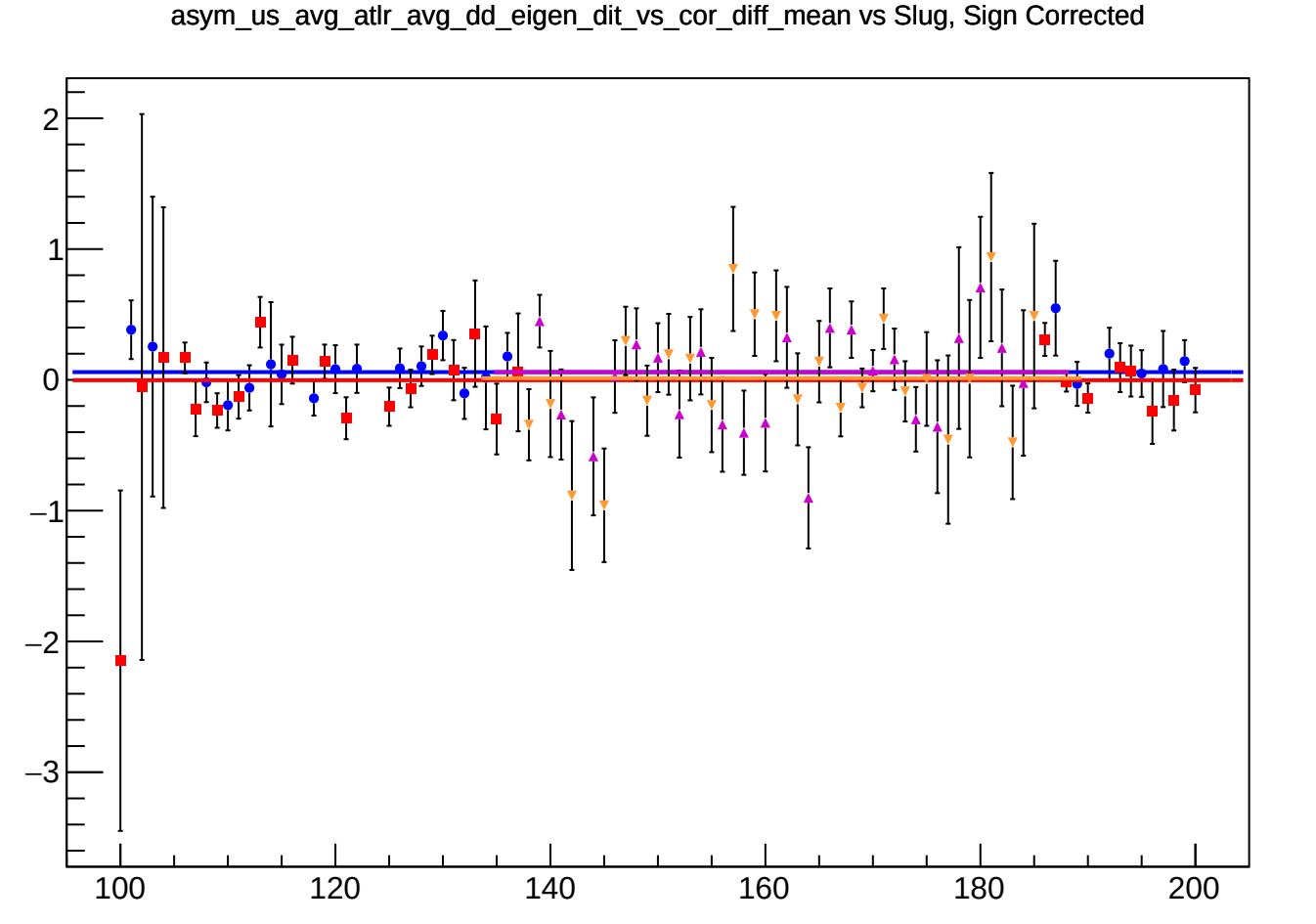
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 22306852.0/47

In: 0.004+/-0.000 χ^2/NDF:16457352.2/44

Out: 0.004+/-0.000 χ^2/NDF:21634424.5/49

All: 0.004+/-0.000 χ^2/NDF: 38127216.4/94



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

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

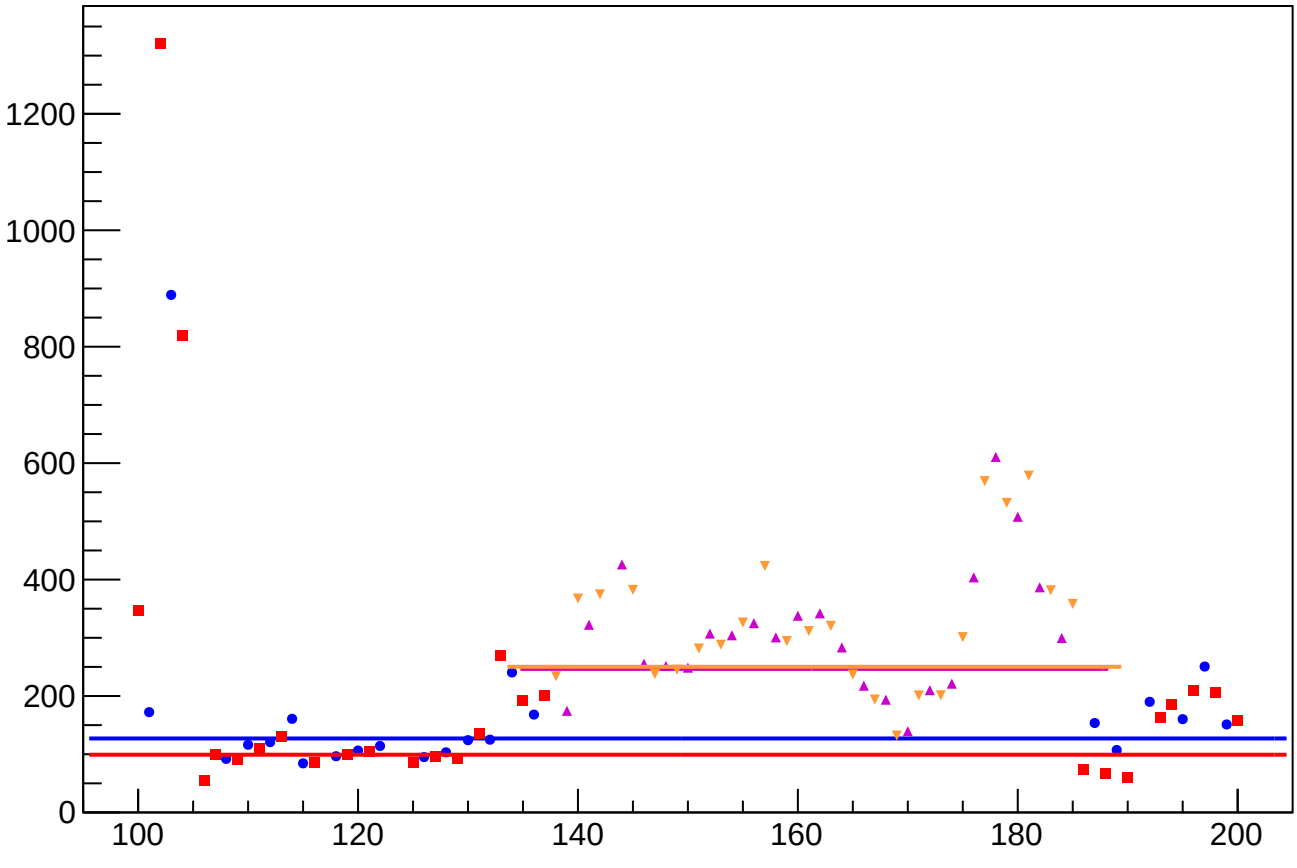
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.021+/-0.025 χ^2/NDF: 50.4/47

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.025+/-0.022 χ^2/NDF: 108.0/94



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

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

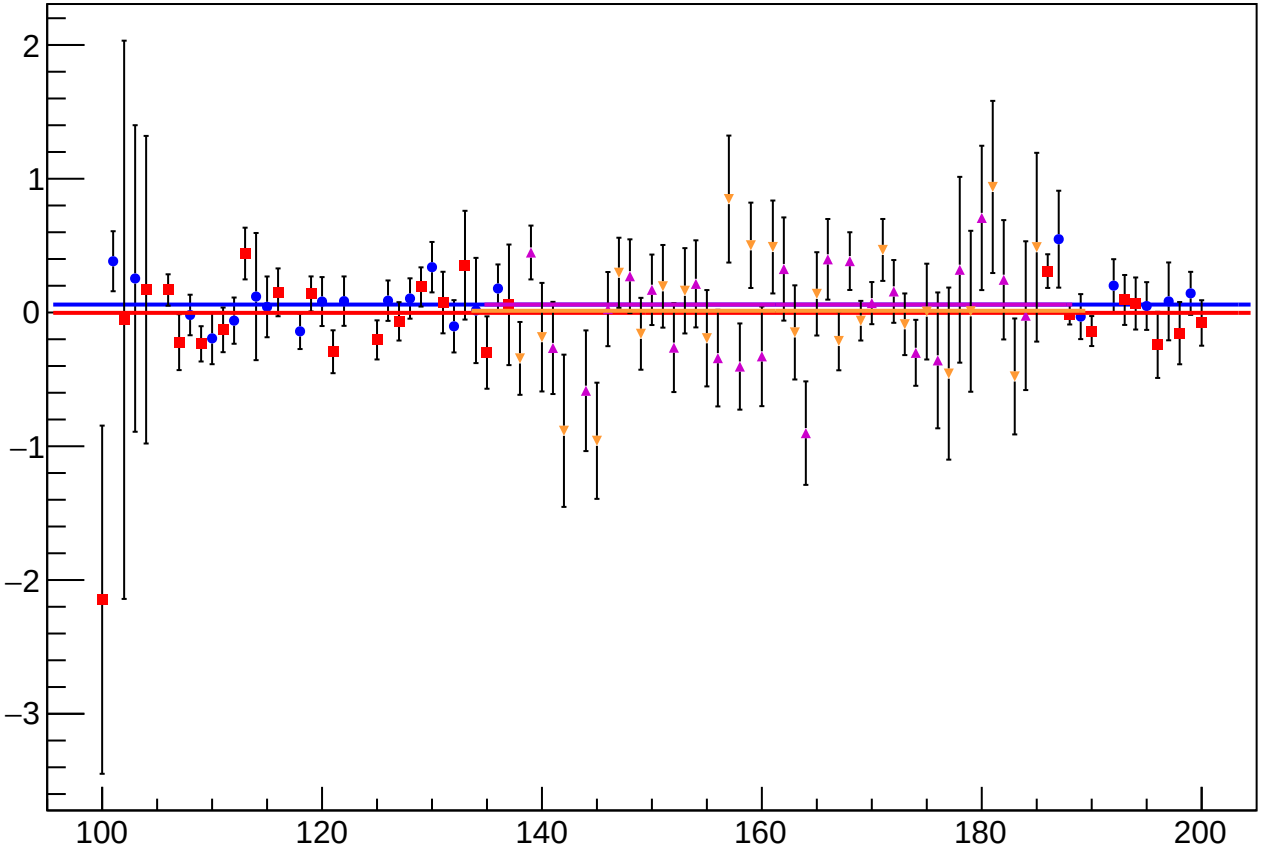
Right: 109.679+/-0.018 χ^2/NDF: 8074505.0/47

In: 163.471+/-0.024 χ^2/NDF:11373870.3/44

Out: 129.964+/-0.020 χ^2/NDF:18575418.7/49

All: 143.660+/-0.015 χ^2/NDF: 31083460.4/94

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

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

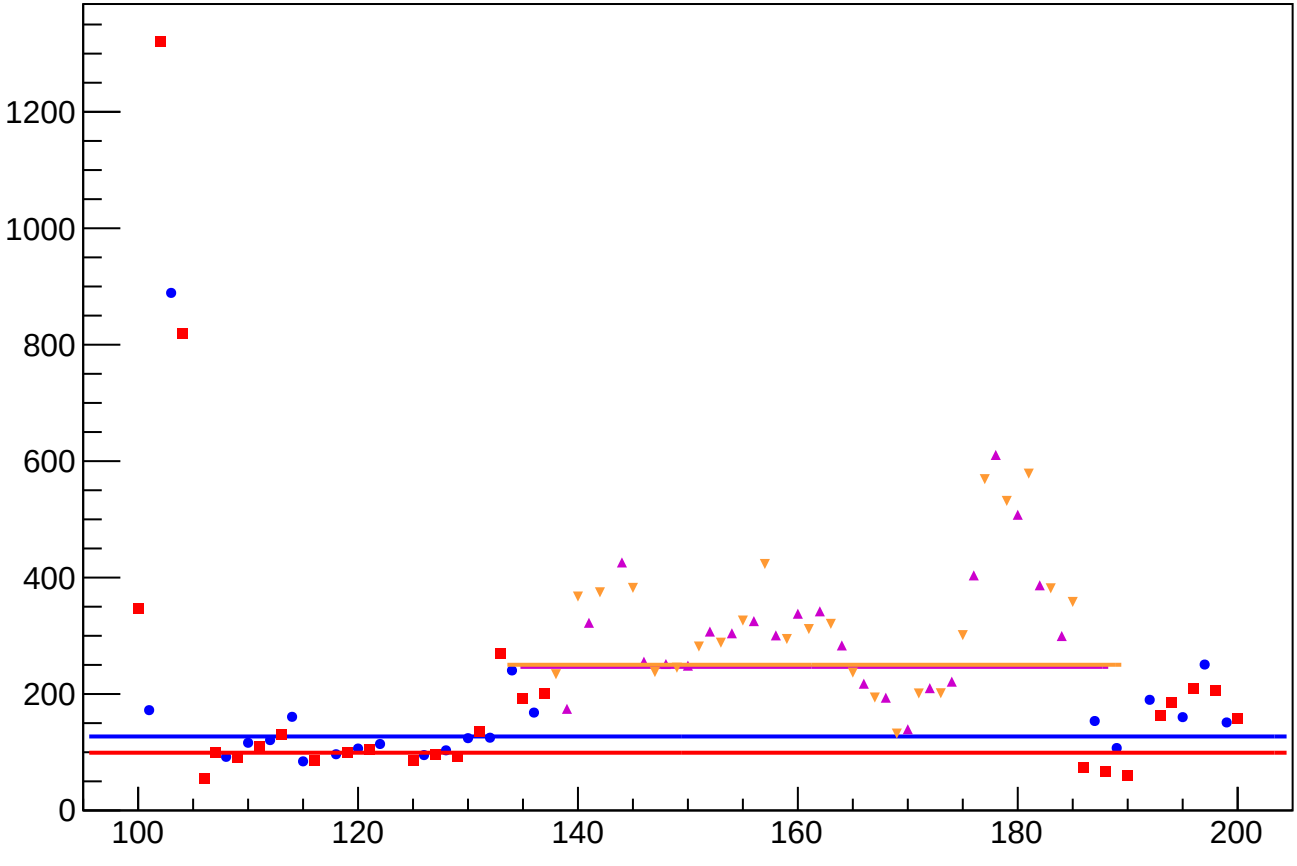
Right: 0.021+/-0.025 χ^2/NDF: 50.4/47

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.000+/-0.028 χ^2/NDF:65.0/49

All: 0.025+/-0.022 χ^2/NDF: 108.0/94

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

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

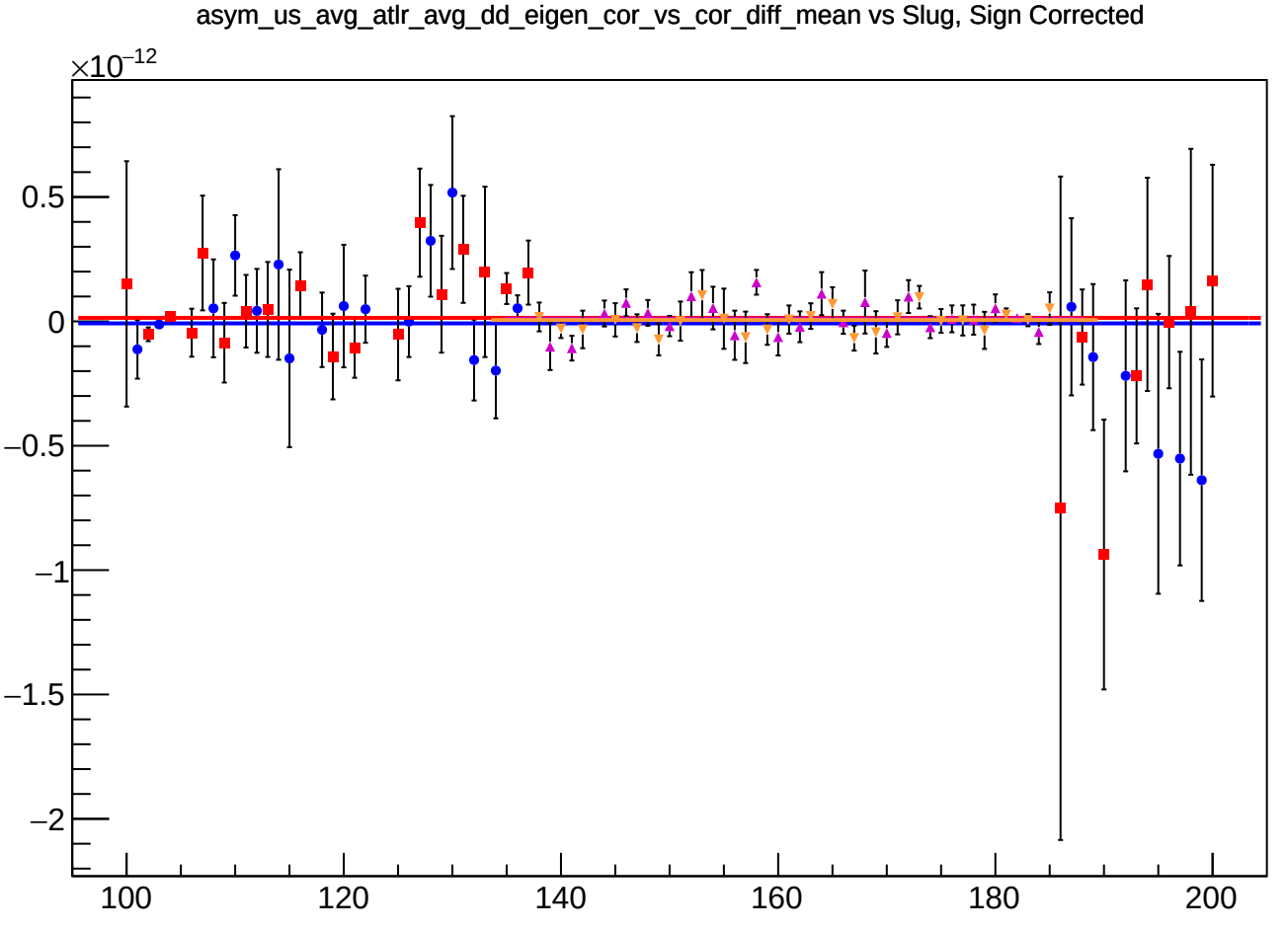
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

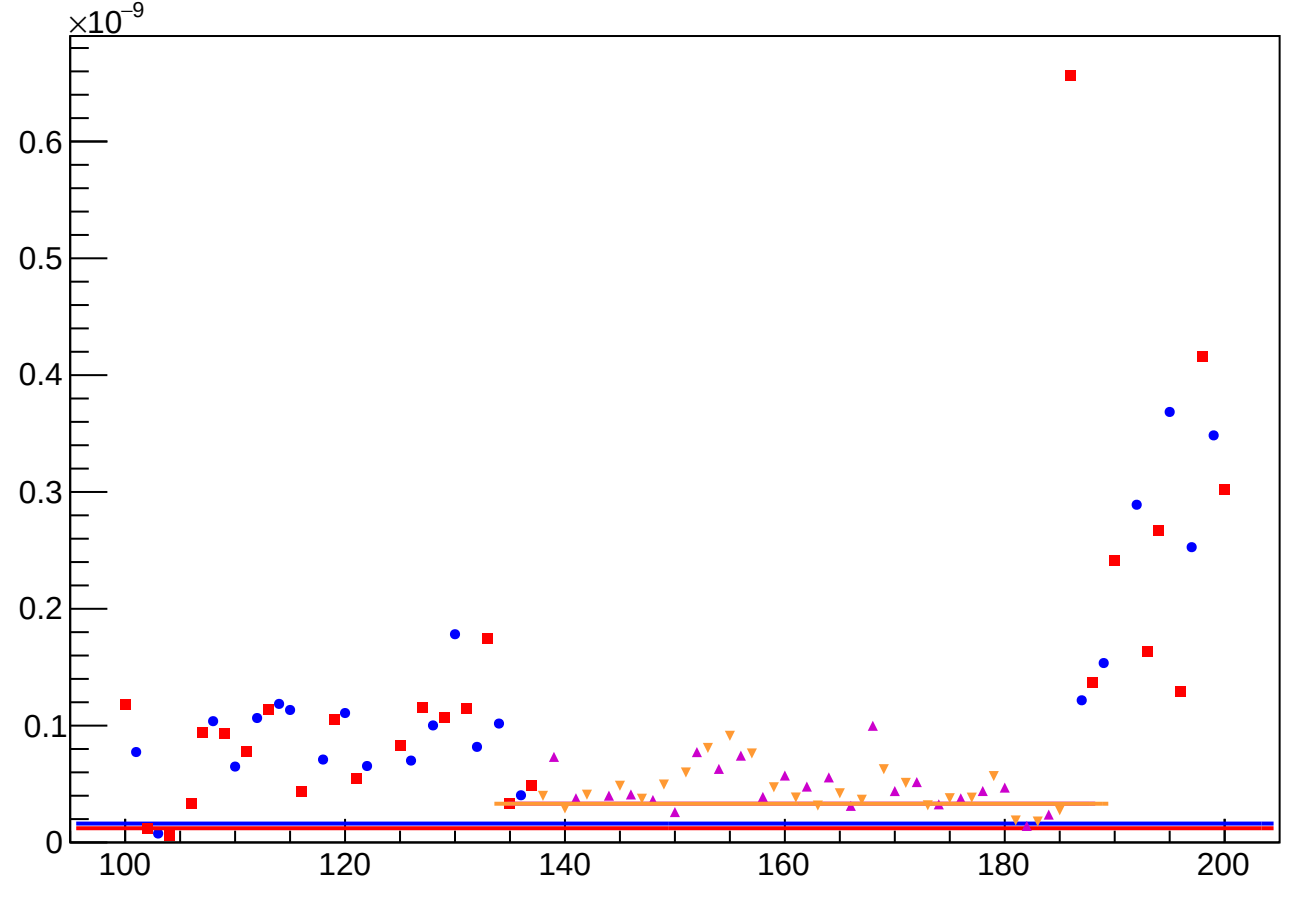
Right: 109.679+/-0.018 χ^2/NDF: 8074505.0/47

In: 163.471+/-0.024 χ^2/NDF:11373870.3/44

Out: 129.964+/-0.020 χ^2/NDF:18575418.7/49

All: 143.660+/-0.015 χ^2/NDF: 31083460.4/94


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.7/21
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.4/25
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.8/46
Right: 0.000+/-0.000 χ²/NDF: 46.1/47
In: 0.000+/-0.000 χ²/NDF:46.9/44
Out: 0.000+/-0.000 χ²/NDF:40.6/49
All: 0.000+/-0.000 χ²/NDF: 88.0/94



Right In: 0.000+/-0.000 χ^2/NDF: 9866214.2/21

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

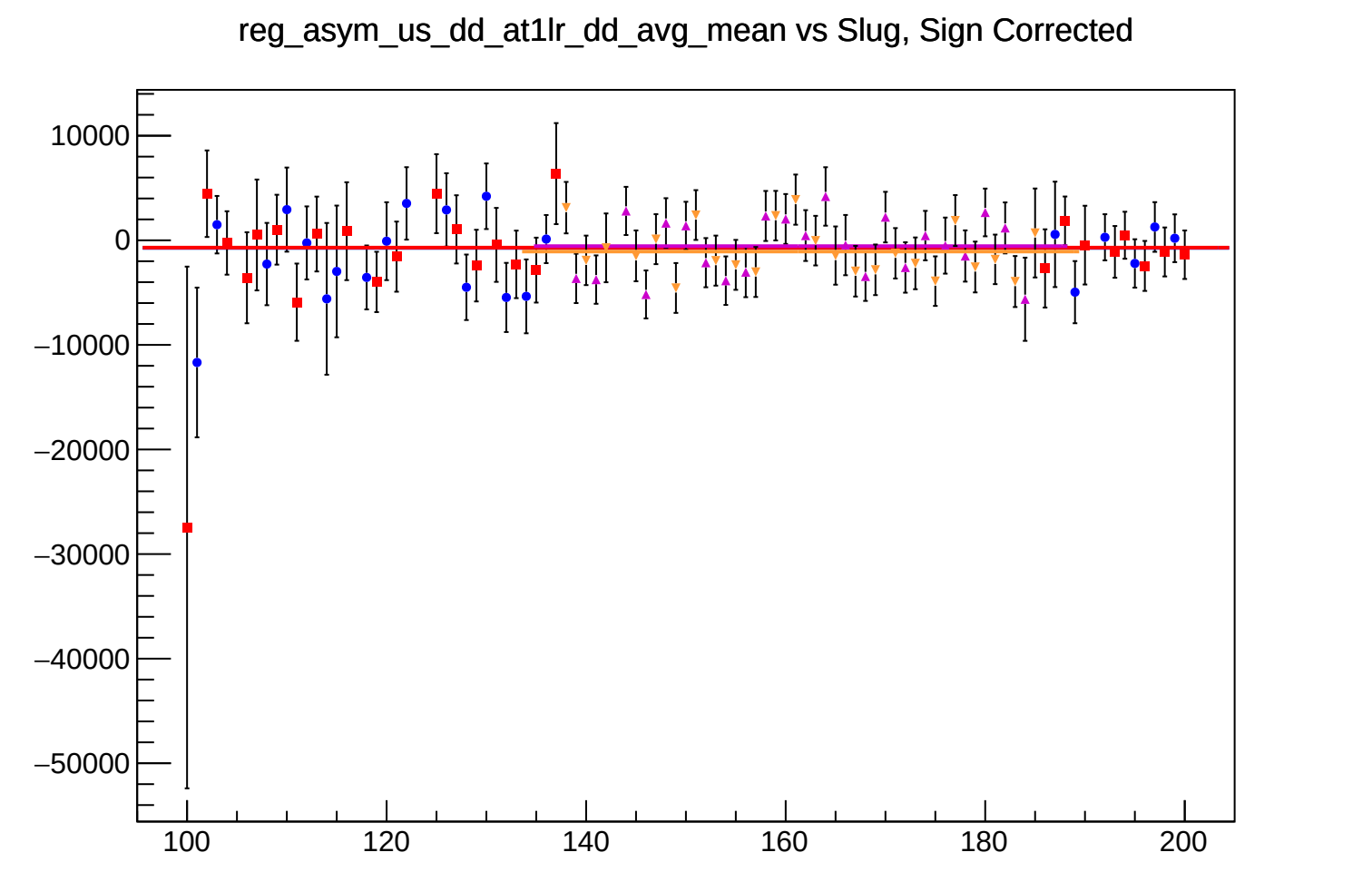
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 20809167.3/47

In: 0.000+/-0.000 χ^2/NDF:17085283.4/44

Out: 0.000+/-0.000 χ^2/NDF:19111165.2/49

All: 0.000+/-0.000 χ^2/NDF: 36489858.2/94



Right In: -727.412+/-670.015 χ^2/NDF: 19.5/21

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

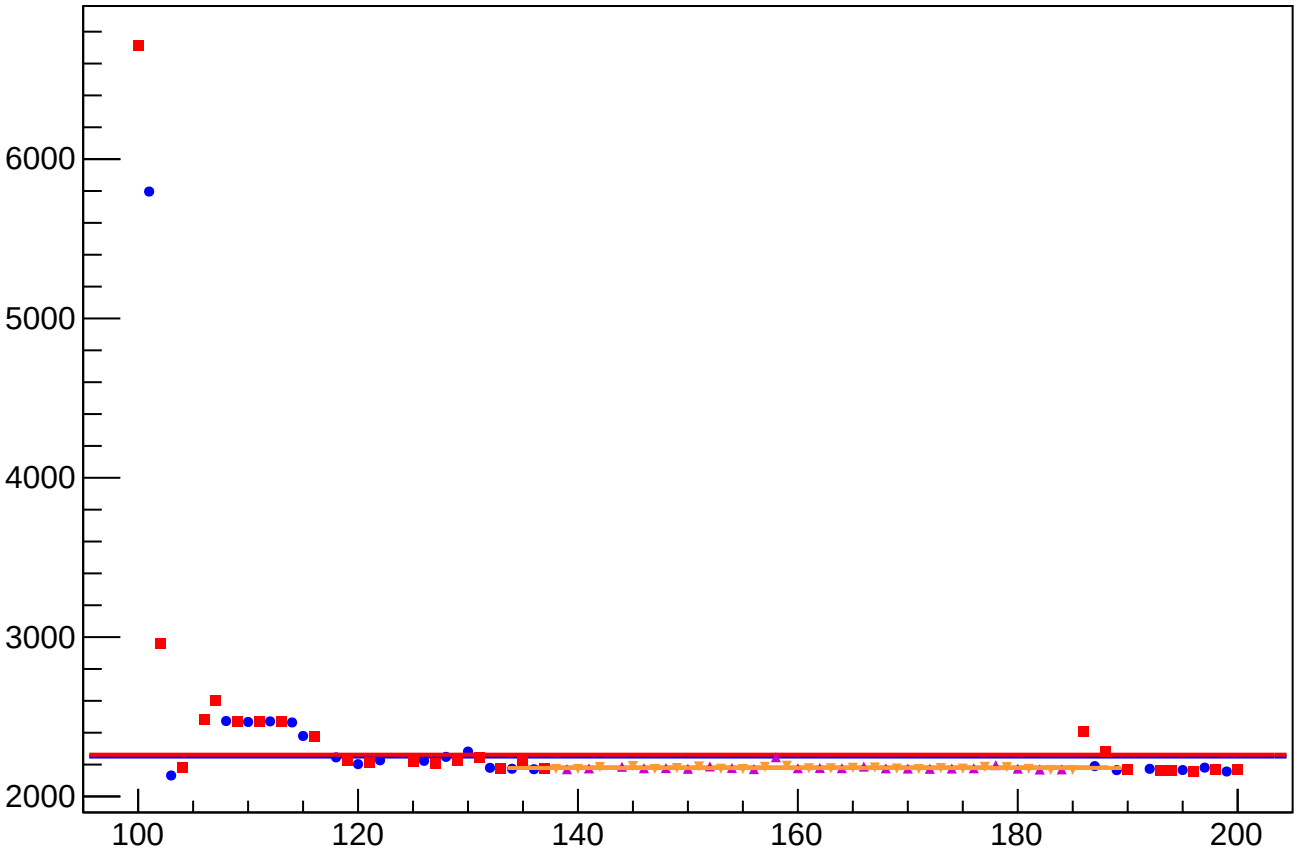
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -712.390+/-457.203 χ^2/NDF: 34.3/47

In: -619.425+/-405.413 χ^2/NDF:48.2/44

Out: -925.249+/-393.164 χ^2/NDF:36.6/49

All: -777.027+/-282.240 χ^2/NDF: 85.1/94



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.5/21

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

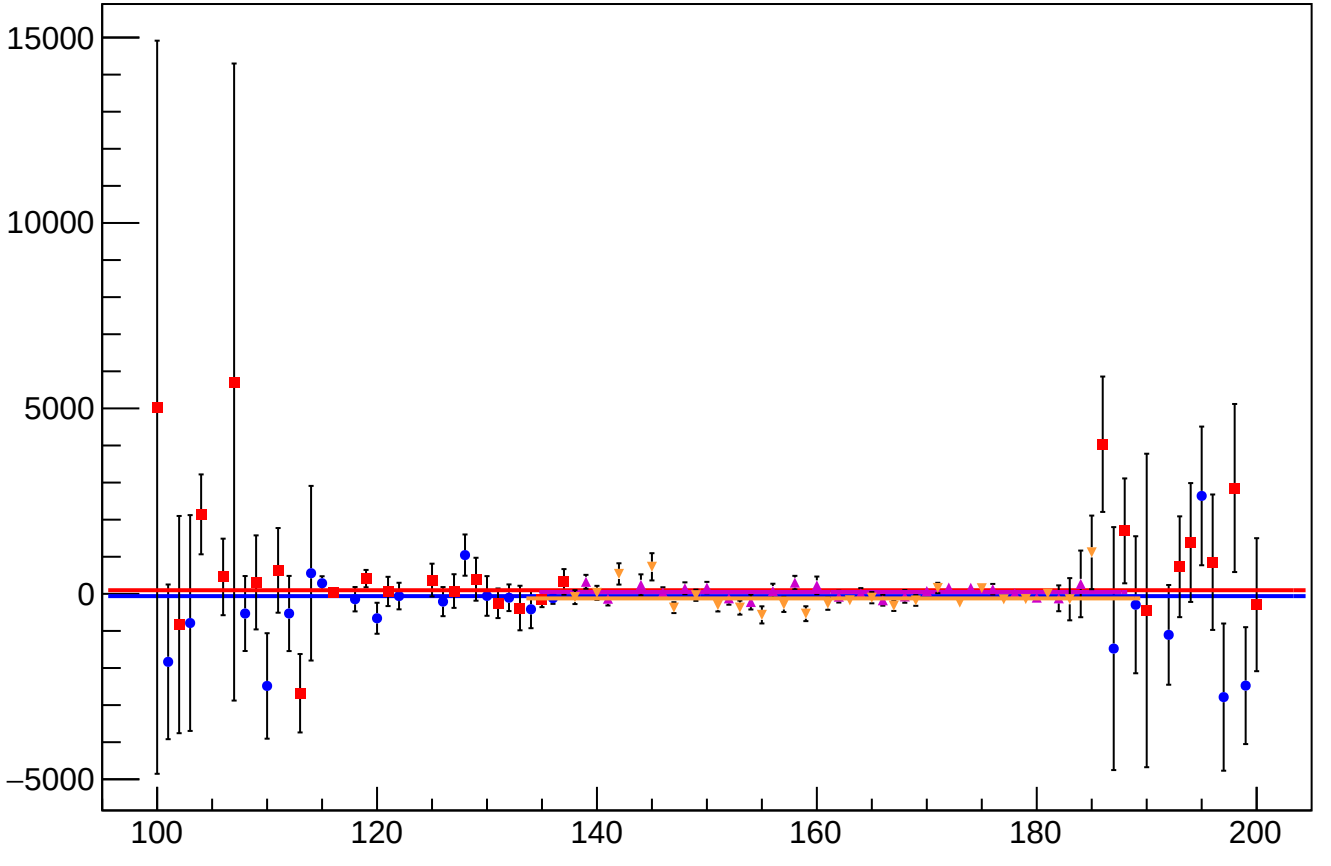
Right: 2256.641+/-0.323 χ^2/NDF: 718118.5/47

In: 2206.327+/-0.287 χ^2/NDF:550076.3/44

Out: 2211.401+/-0.278 χ^2/NDF:205336.7/49

All: 2208.942+/-0.200 χ^2/NDF: 755574.4/94

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -61.712+/-90.215 χ^2/NDF: 21.5/21

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

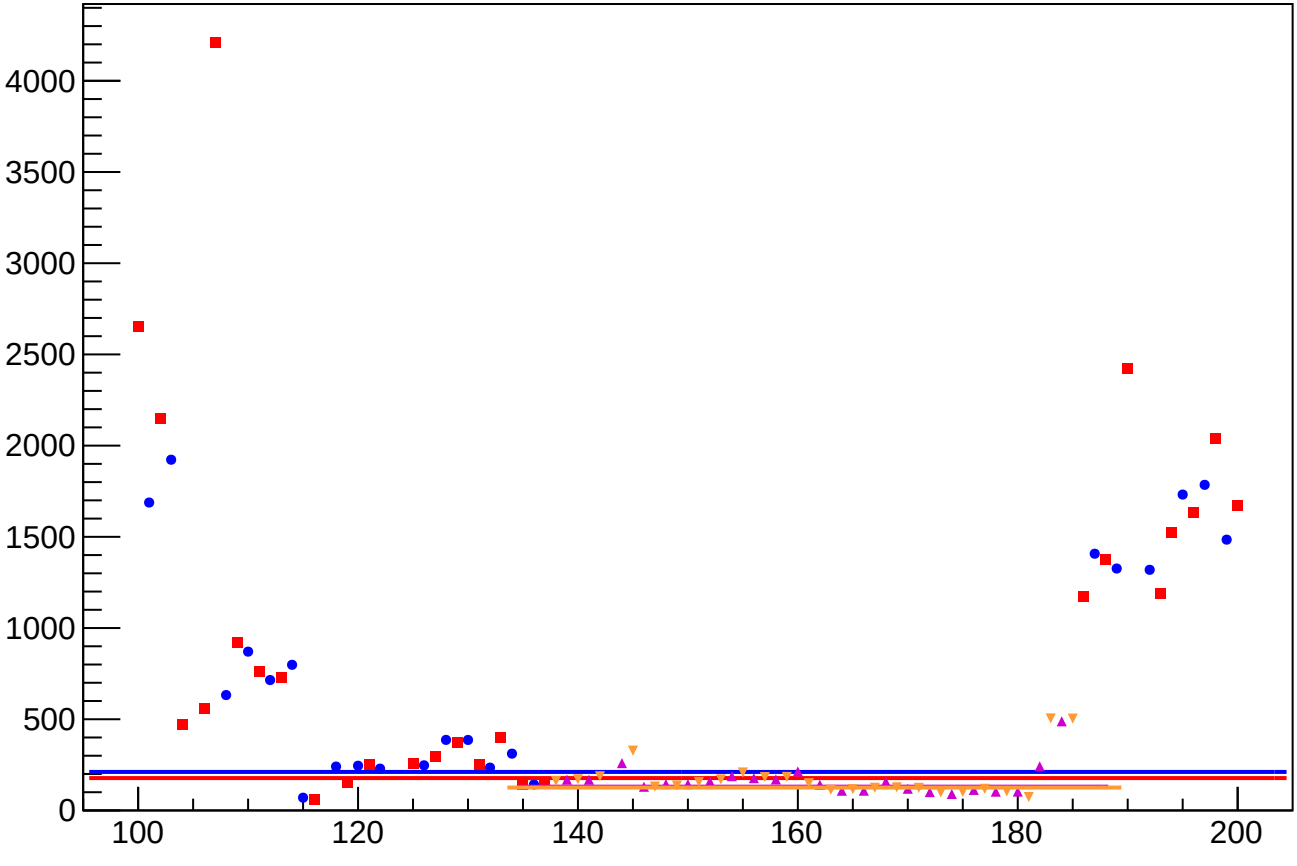
Right: 25.806+/-60.545 χ^2/NDF: 49.5/47

In: 37.416+/-30.614 χ^2/NDF:41.1/44

Out: -94.592+/-29.315 χ^2/NDF:76.4/49

All: -31.448+/-21.173 χ^2/NDF: 127.2/94

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 211.206+/-0.064 χ^2/NDF: 11400274.2/21

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

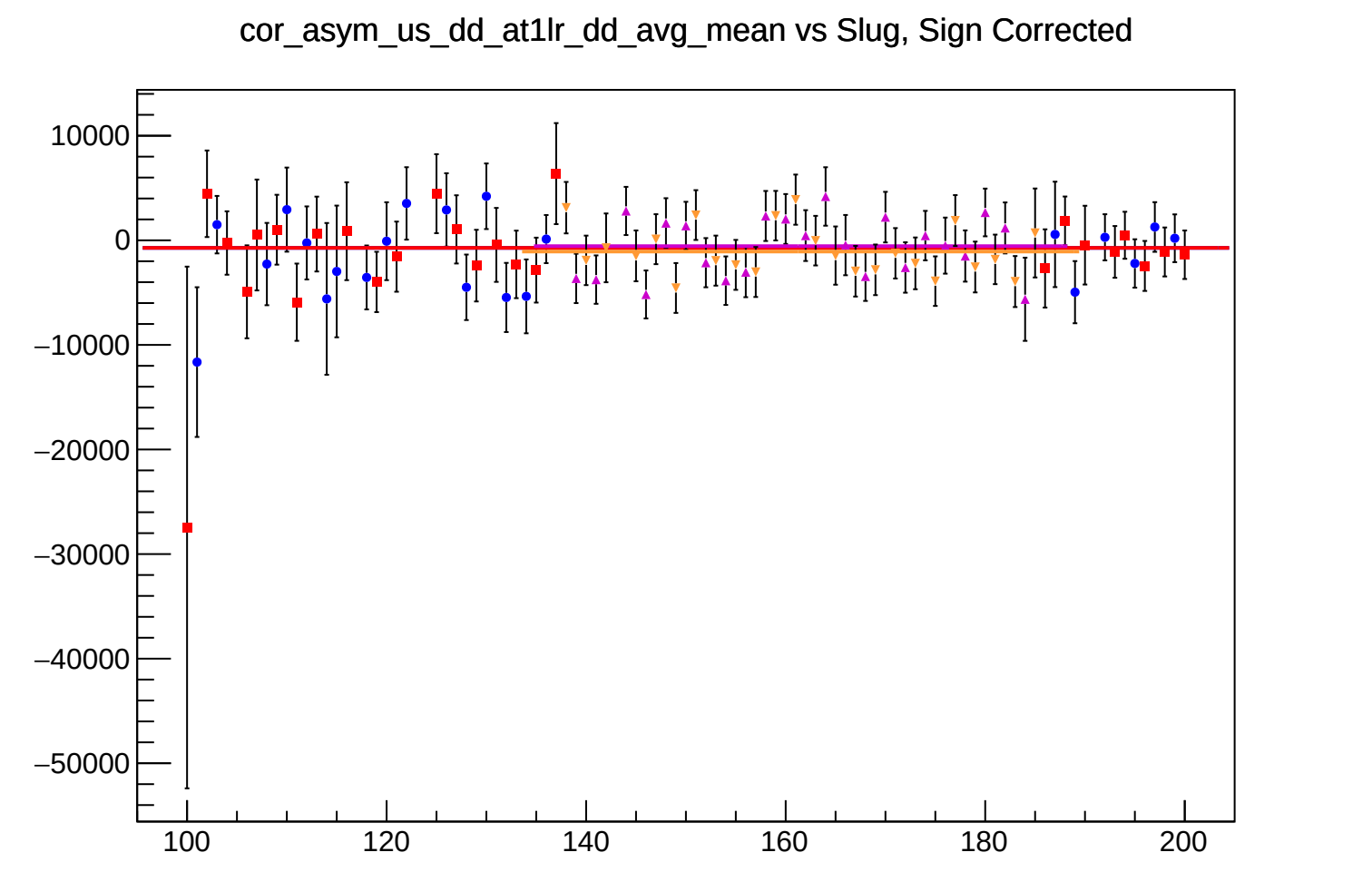
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 192.669+/-0.043 χ^2/NDF: 26987533.9/47

In: 139.737+/-0.022 χ^2/NDF:15498473.9/44

Out: 132.203+/-0.021 χ^2/NDF:20081963.0/49

All: 135.807+/-0.015 χ^2/NDF: 35643632.7/94



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

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

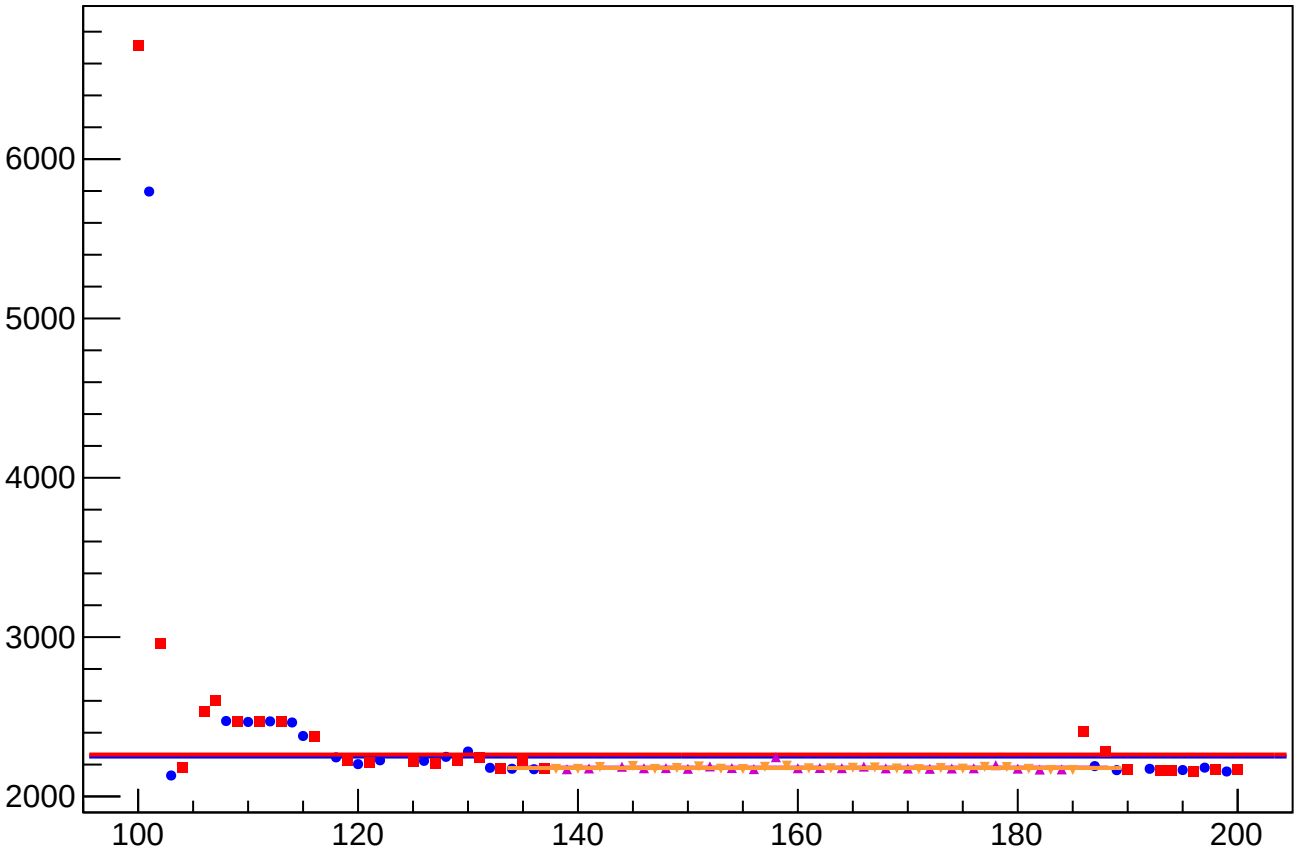
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -725.111+/-457.308 χ^2/NDF: 34.7/47

In: -619.233+/-405.413 χ^2/NDF:48.2/44

Out: -934.882+/-393.231 χ^2/NDF:37.0/49

All: -781.871+/-282.265 χ^2/NDF: 85.5/94



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

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

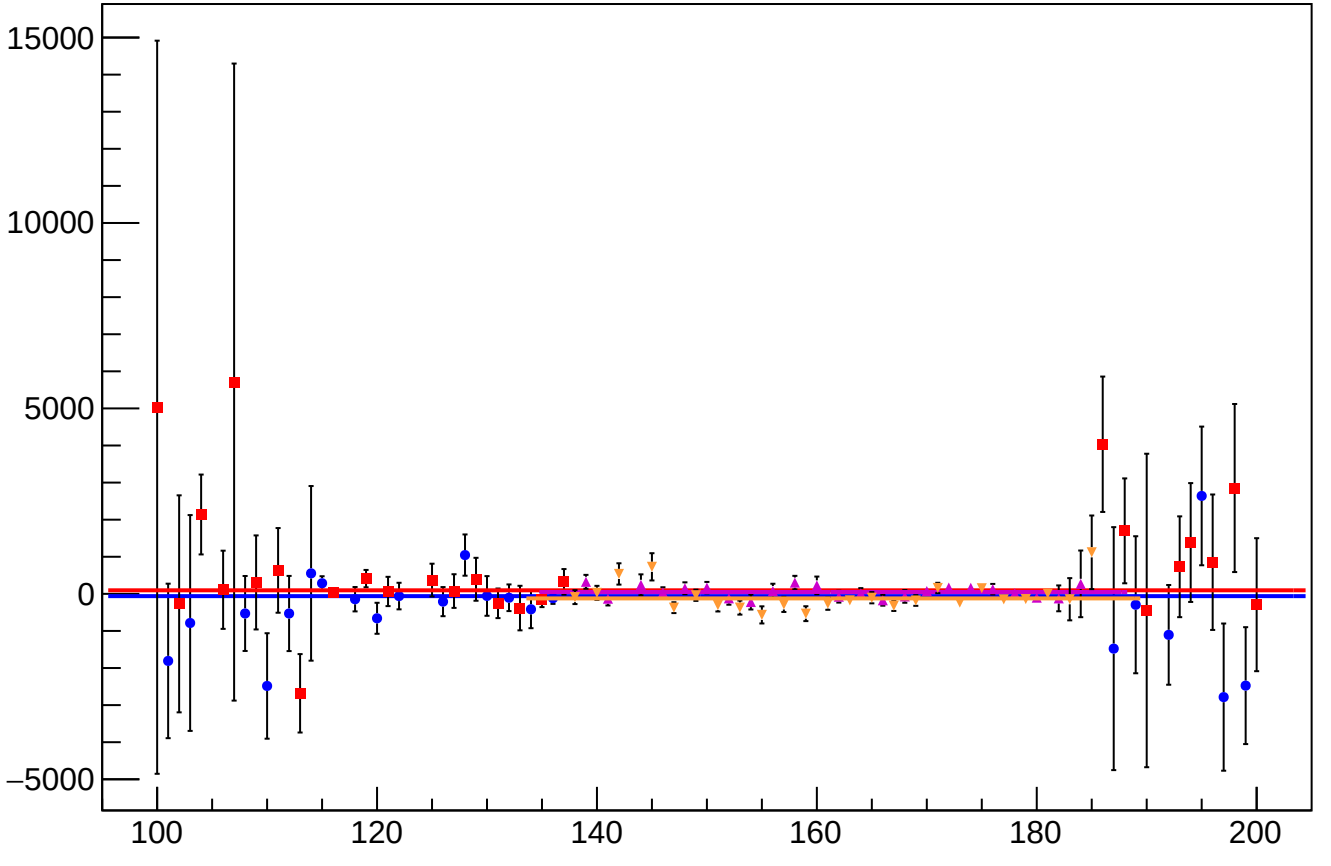
Right: 2257.074+/-0.323 χ^2/NDF: 720484.7/47

In: 2206.327+/-0.287 χ^2/NDF:550076.7/44

Out: 2211.705+/-0.278 χ^2/NDF:208068.7/49

All: 2209.098+/-0.200 χ^2/NDF: 758326.7/94

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

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

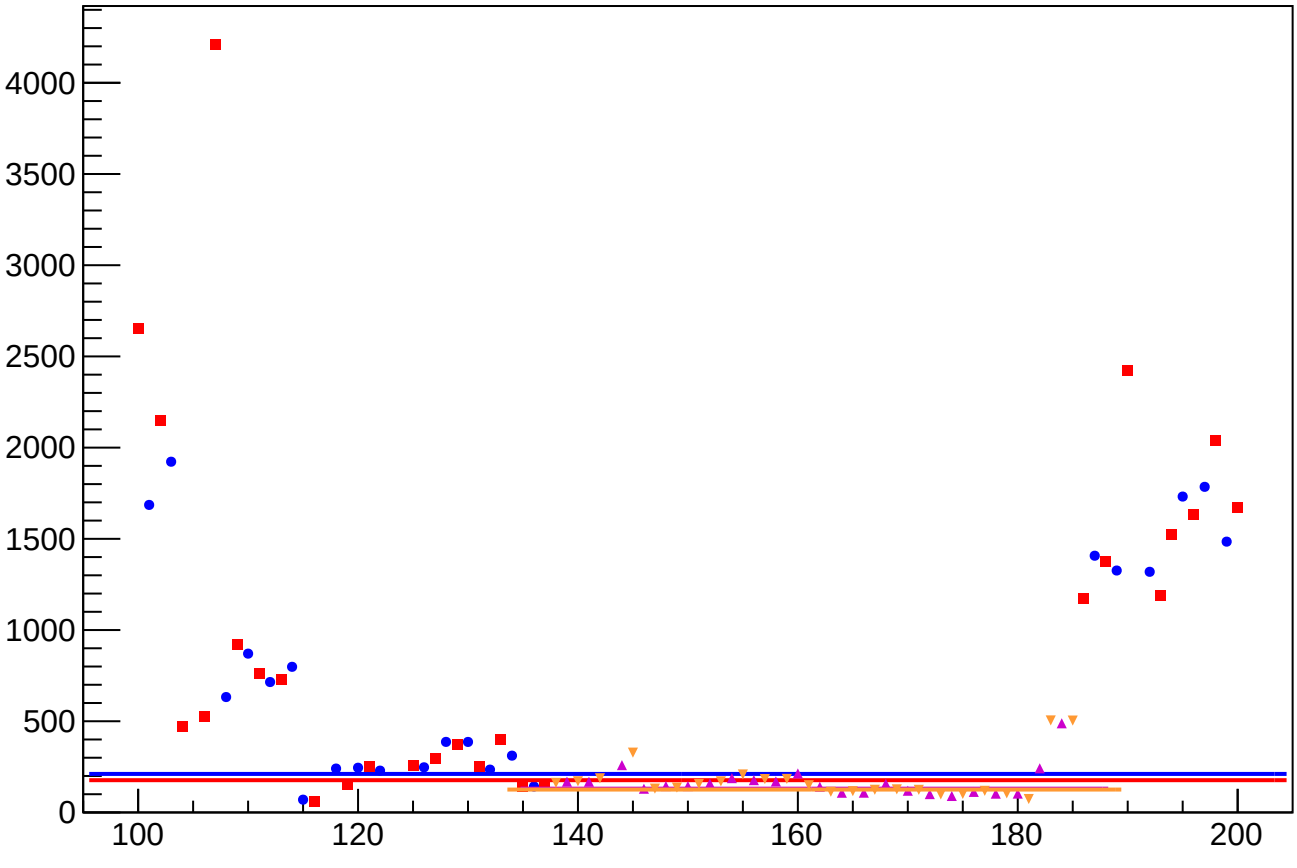
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 24.754+/-60.522 χ^2/NDF: 49.2/47

In: 37.317+/-30.617 χ^2/NDF:41.1/44

Out: -94.745+/-29.312 χ^2/NDF:76.0/49

All: -31.588+/-21.173 χ^2/NDF: 126.9/94



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

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

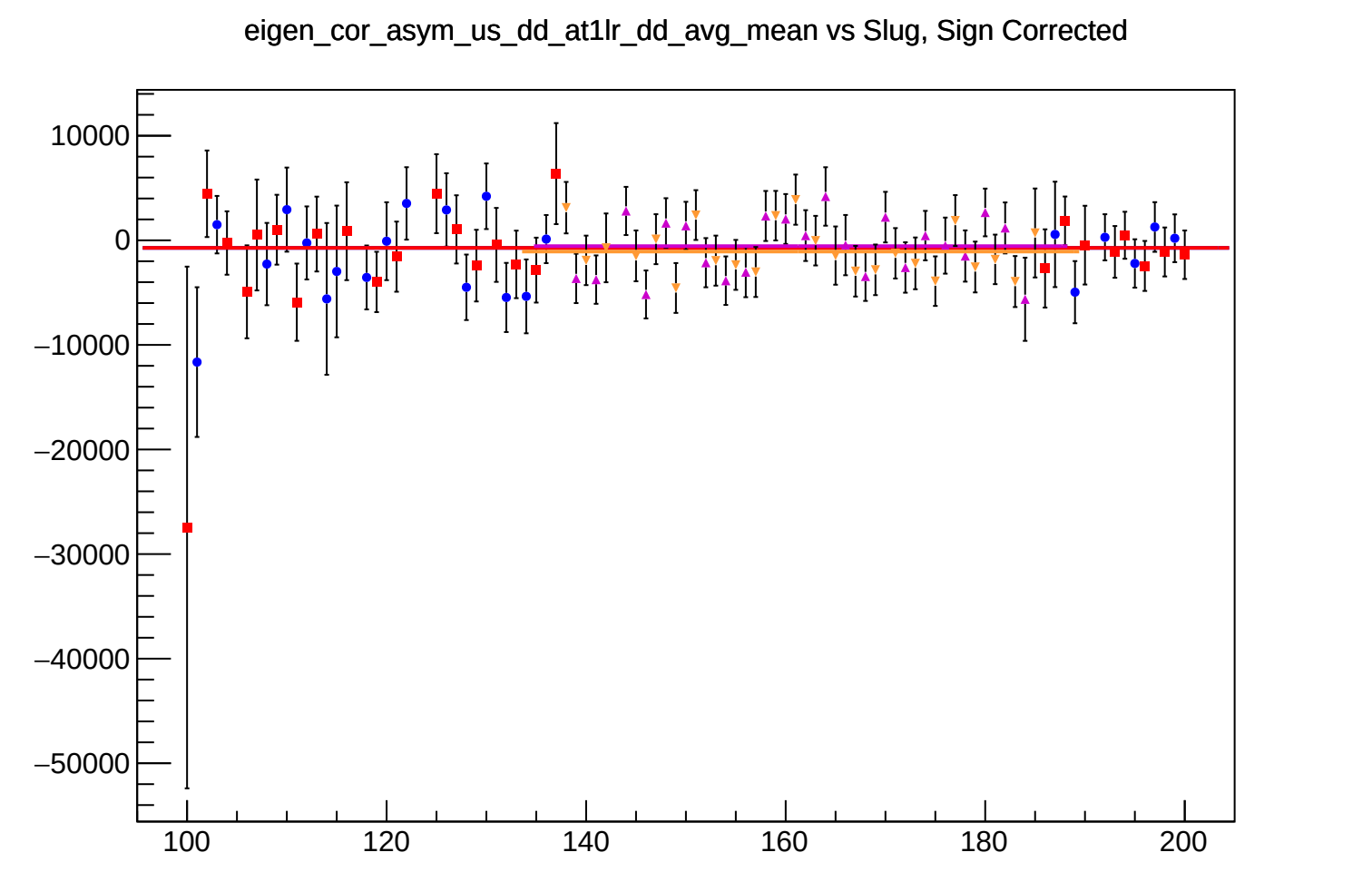
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 192.349+/-0.043 χ^2/NDF: 26953861.3/47

In: 139.754+/-0.022 χ^2/NDF:15497006.4/44

Out: 132.133+/-0.021 χ^2/NDF:20030158.8/49

All: 135.778+/-0.015 χ^2/NDF: 35591813.1/94



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

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

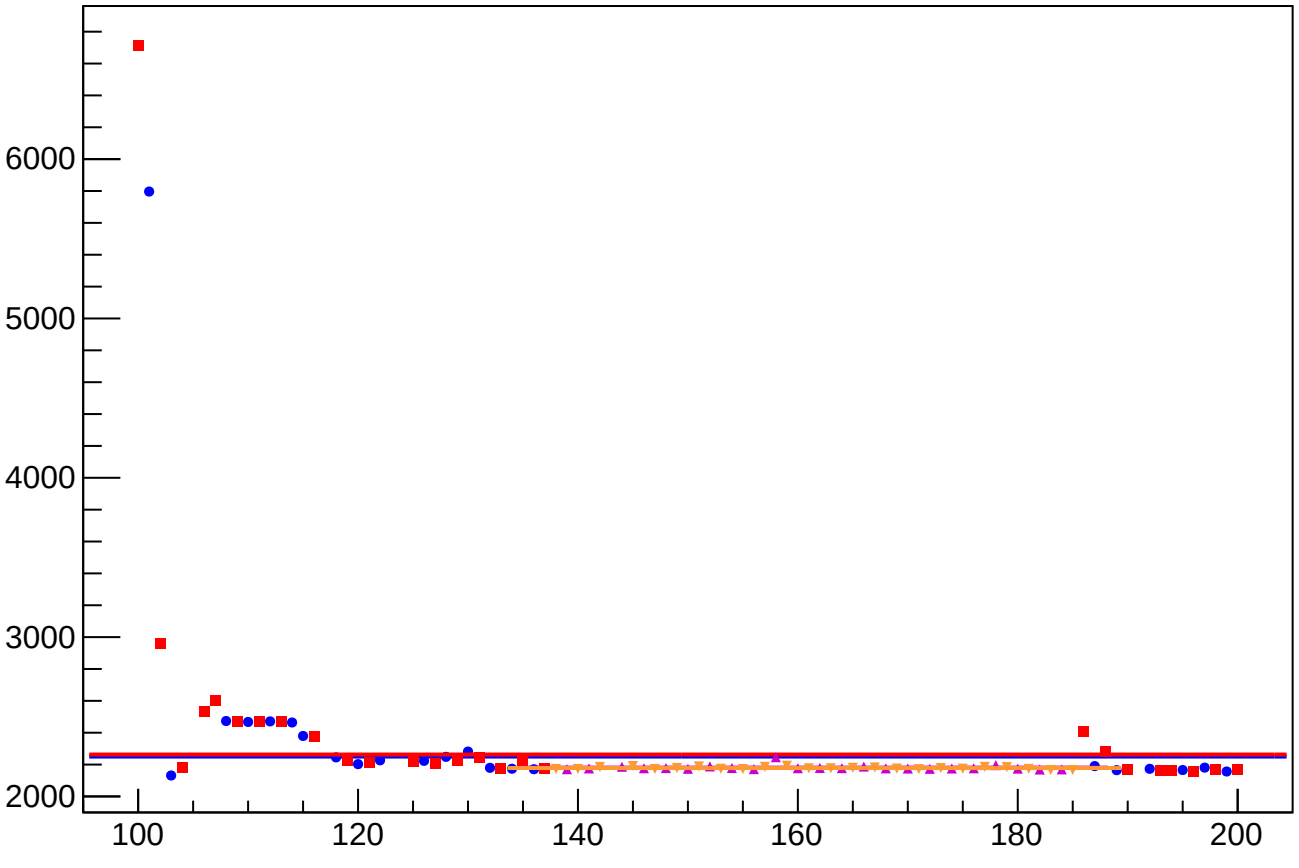
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -725.111+/-457.308 χ^2/NDF: 34.7/47

In: -619.233+/-405.413 χ^2/NDF:48.2/44

Out: -934.882+/-393.231 χ^2/NDF:37.0/49

All: -781.871+/-282.265 χ^2/NDF: 85.5/94



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

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

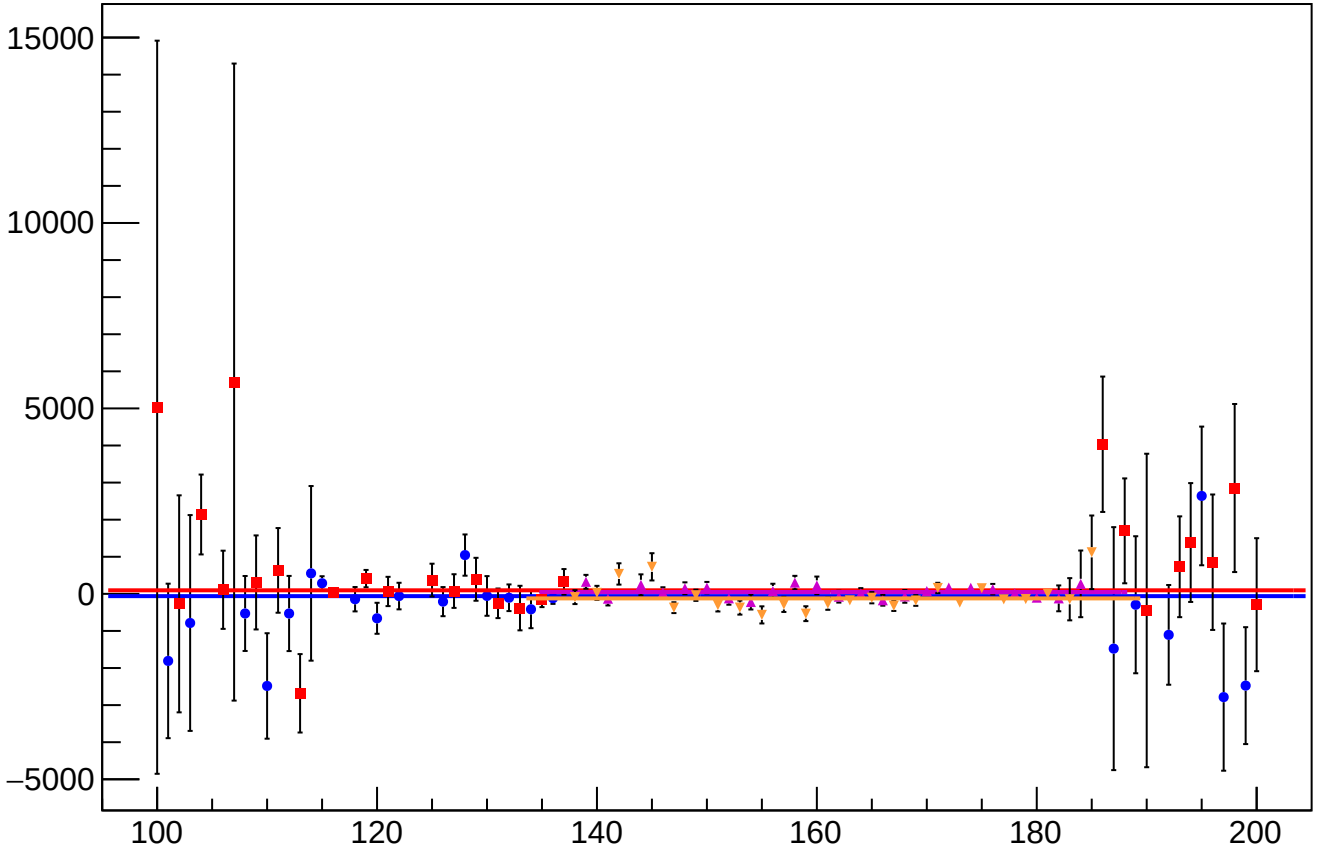
Right: 2257.074+/-0.323 χ^2/NDF: 720484.7/47

In: 2206.327+/-0.287 χ^2/NDF:550076.7/44

Out: 2211.705+/-0.278 χ^2/NDF:208068.7/49

All: 2209.098+/-0.200 χ^2/NDF: 758326.7/94

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

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

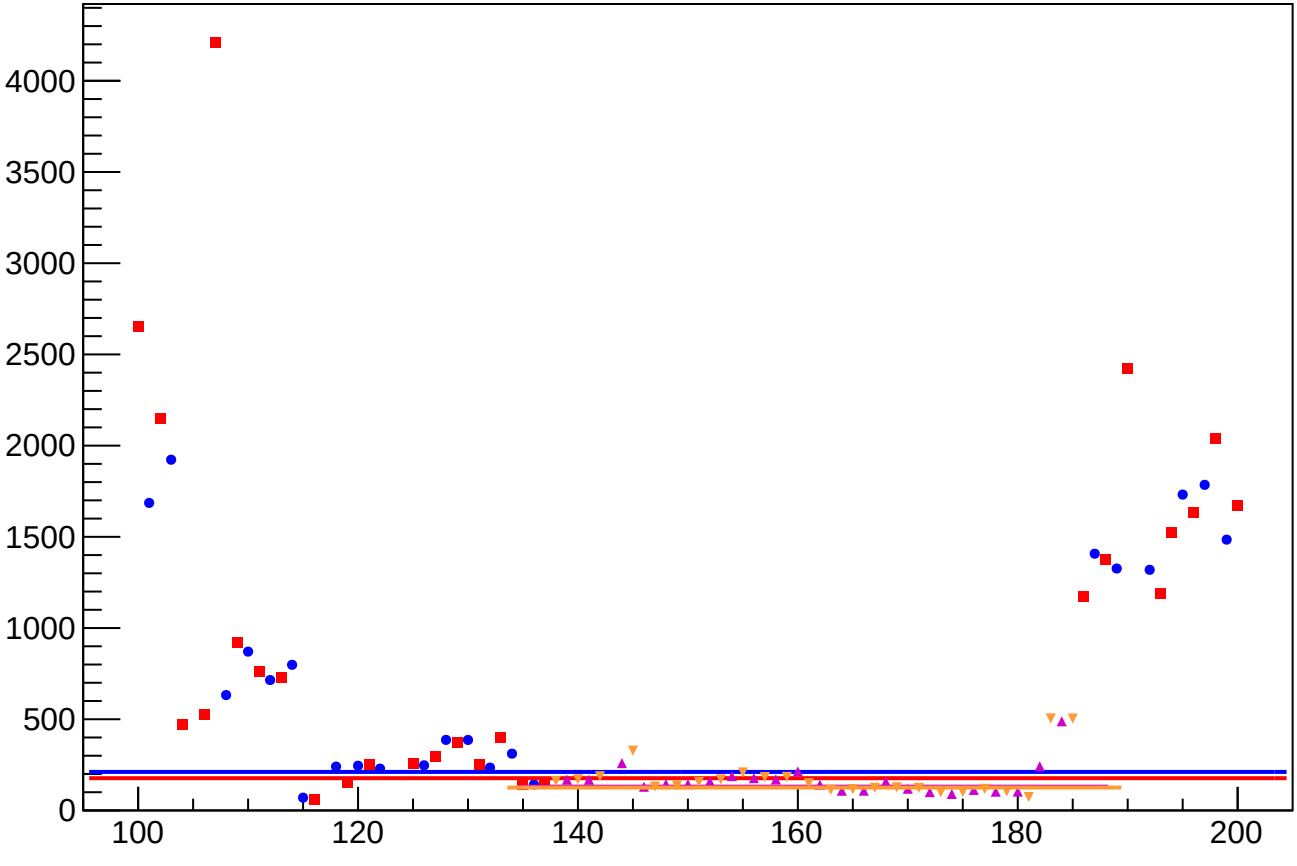
Right: 24.754+/-60.522 χ^2/NDF: 49.2/47

In: 37.317+/-30.617 χ^2/NDF:41.1/44

Out: -94.745+/-29.312 χ^2/NDF:76.0/49

All: -31.588+/-21.173 χ^2/NDF: 126.9/94

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

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

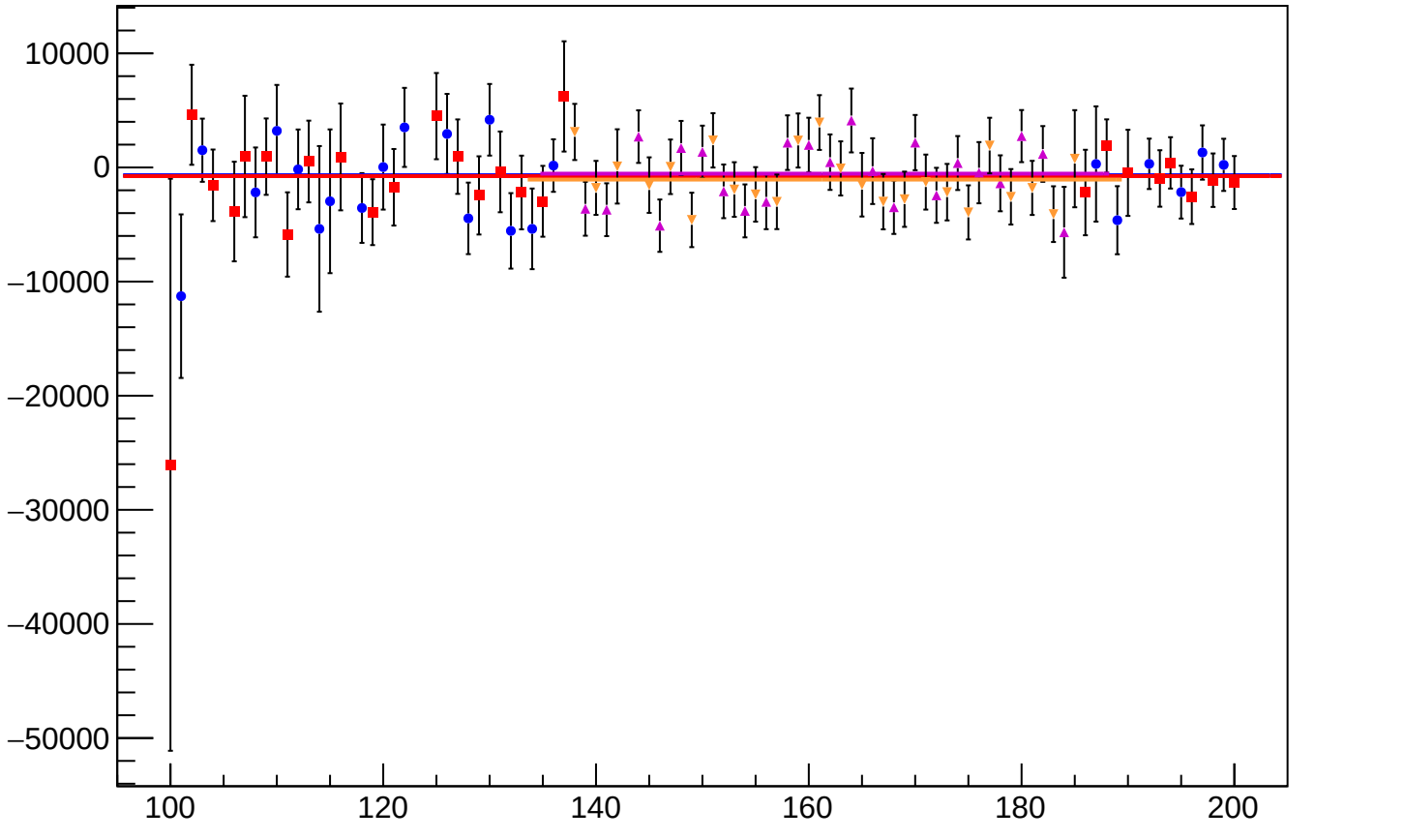
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 192.349+/-0.043 χ^2/NDF: 26953861.3/47

In: 139.754+/-0.022 χ^2/NDF:15497006.4/44

Out: 132.133+/-0.021 χ^2/NDF:20030158.8/49

All: 135.778+/-0.015 χ^2/NDF: 35591813.1/94



Right In: -679.974+/-670.847 χ^2/NDF: 19.1/21

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

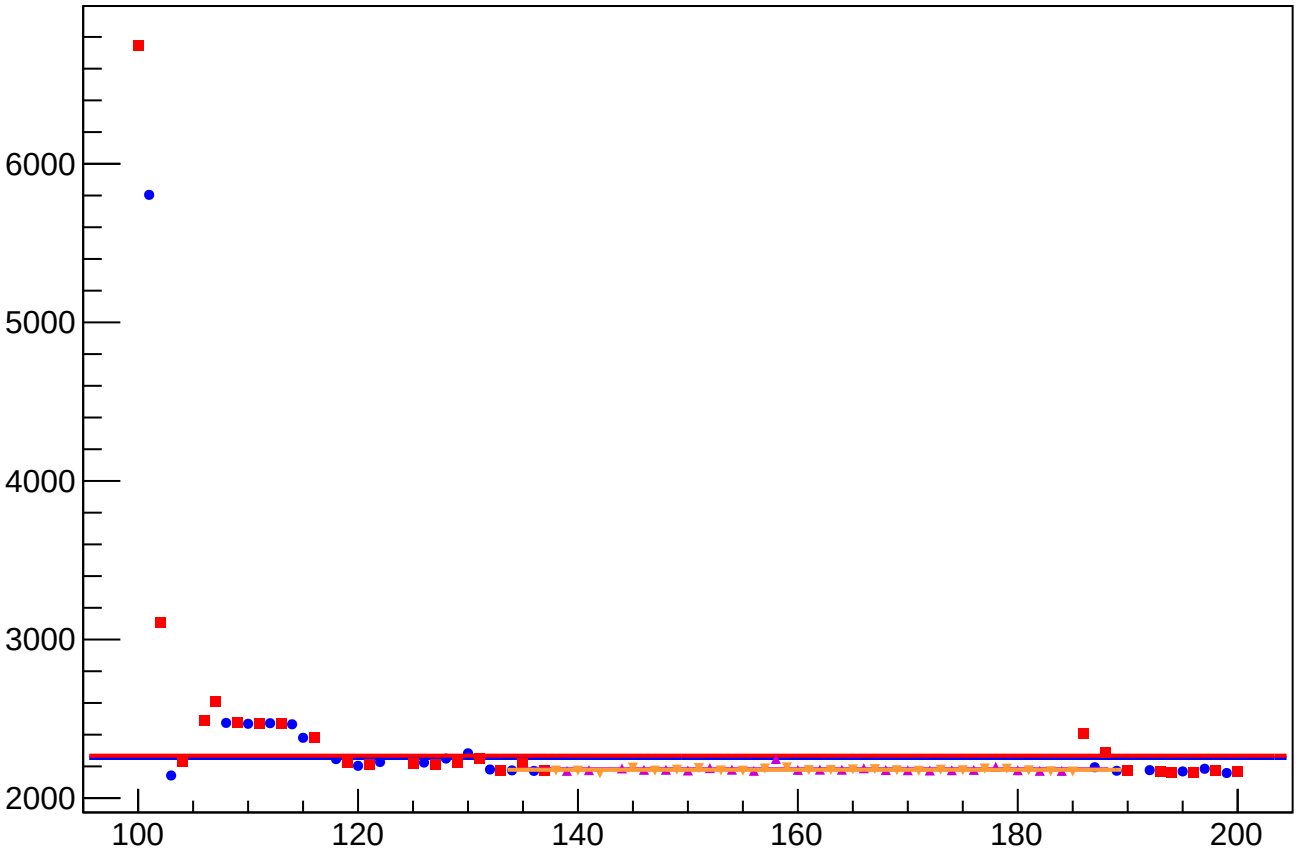
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -721.045+/-458.322 χ^2/NDF: 33.6/47

In: -593.898+/-405.711 χ^2/NDF:47.0/44

Out: -942.185+/-393.750 χ^2/NDF:36.6/49

All: -773.251+/-282.557 χ^2/NDF: 84.0/94



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

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

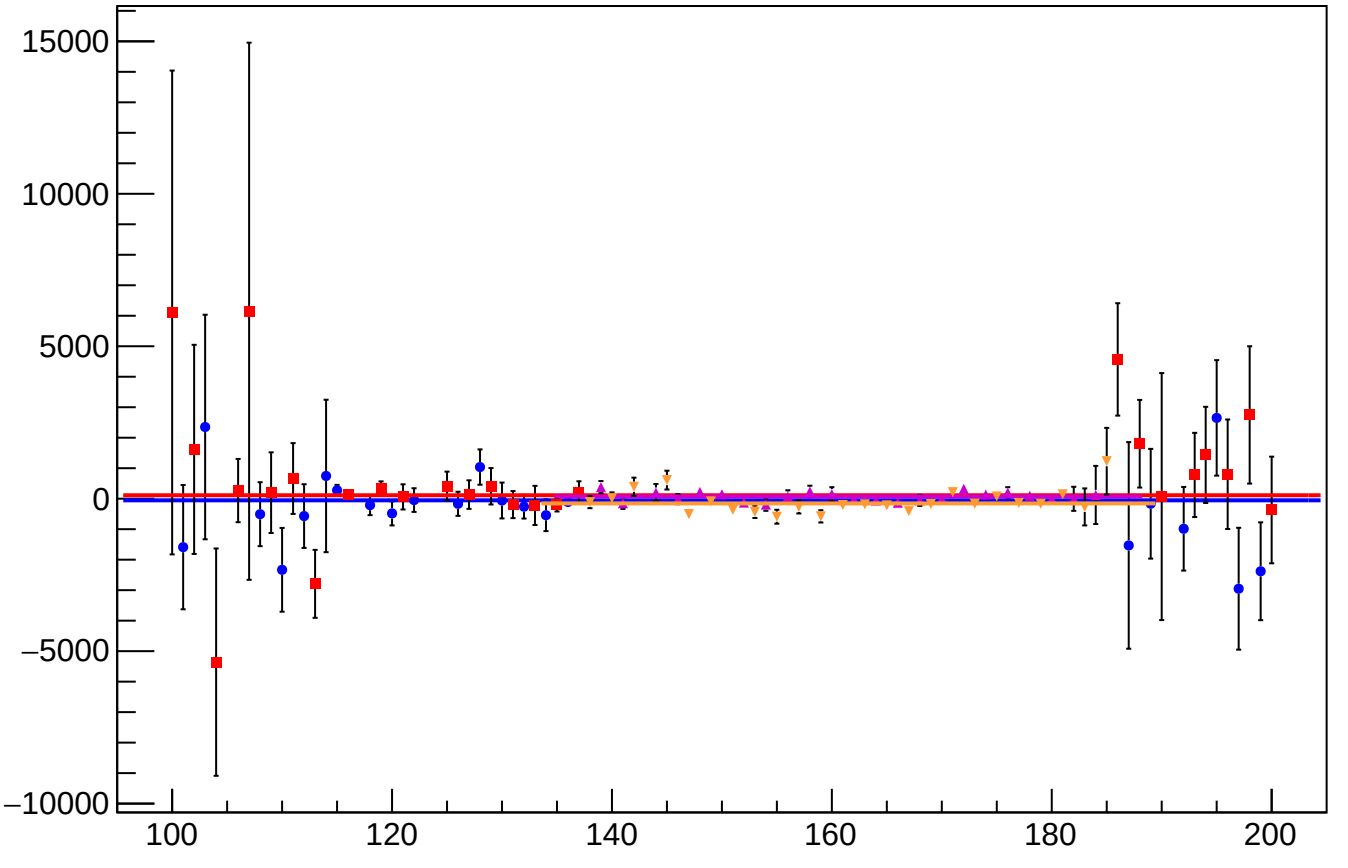
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2260.812+/-0.324 χ^2/NDF: 734998.5/47

In: 2207.885+/-0.287 χ^2/NDF:549877.6/44

Out: 2213.597+/-0.278 χ^2/NDF:225629.3/49

All: 2210.826+/-0.200 χ^2/NDF: 775711.0/94



Right In: -53.236+/-91.690 χ^2/NDF: 21.0/21

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

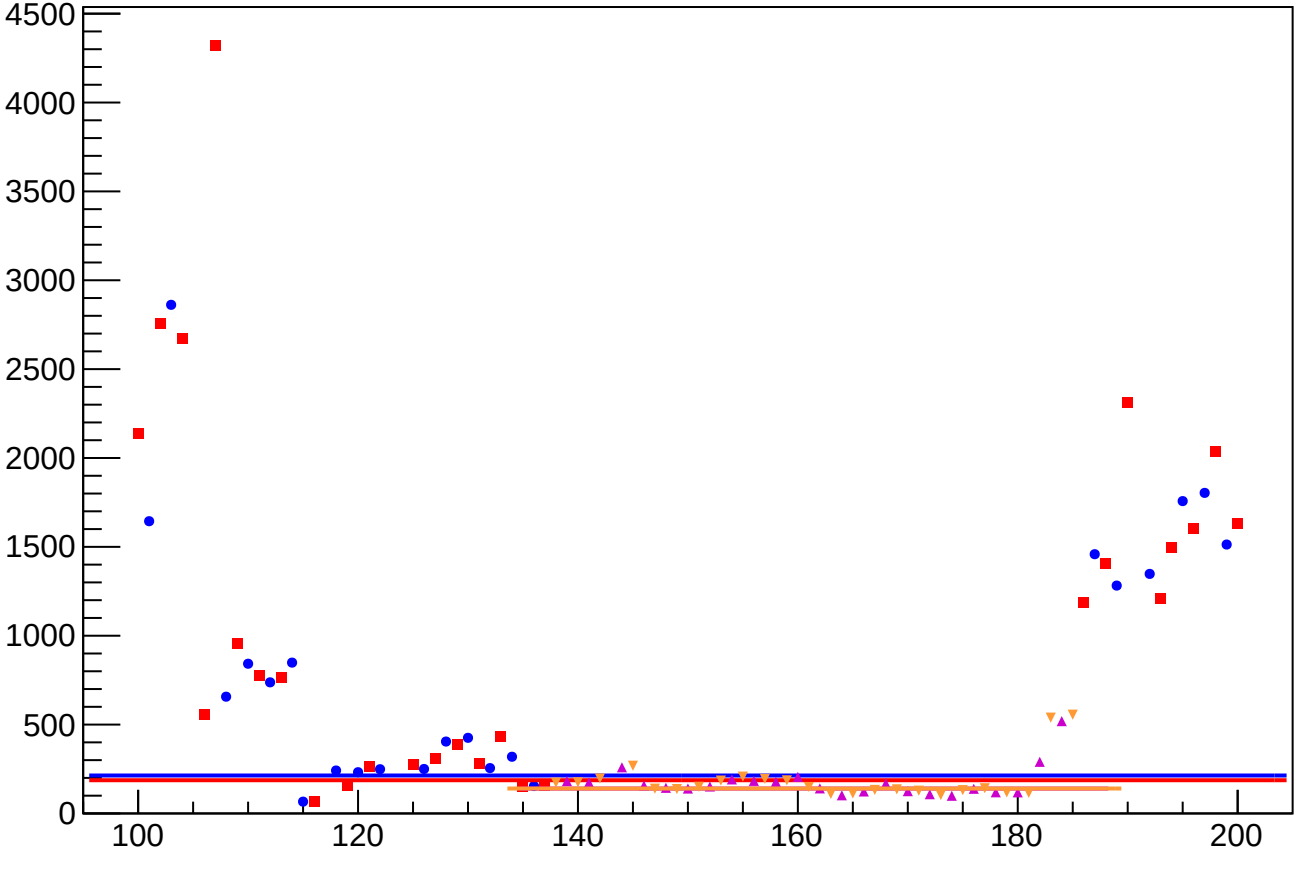
Right: 35.869+/-62.441 χ^2/NDF: 47.5/47

In: 55.069+/-32.047 χ^2/NDF:41.5/44

Out: -117.895+/-31.631 χ^2/NDF:80.6/49

All: -32.544+/-22.512 χ^2/NDF: 136.9/94

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 213.535+/-0.065 χ^2/NDF: 11965029.8/21

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

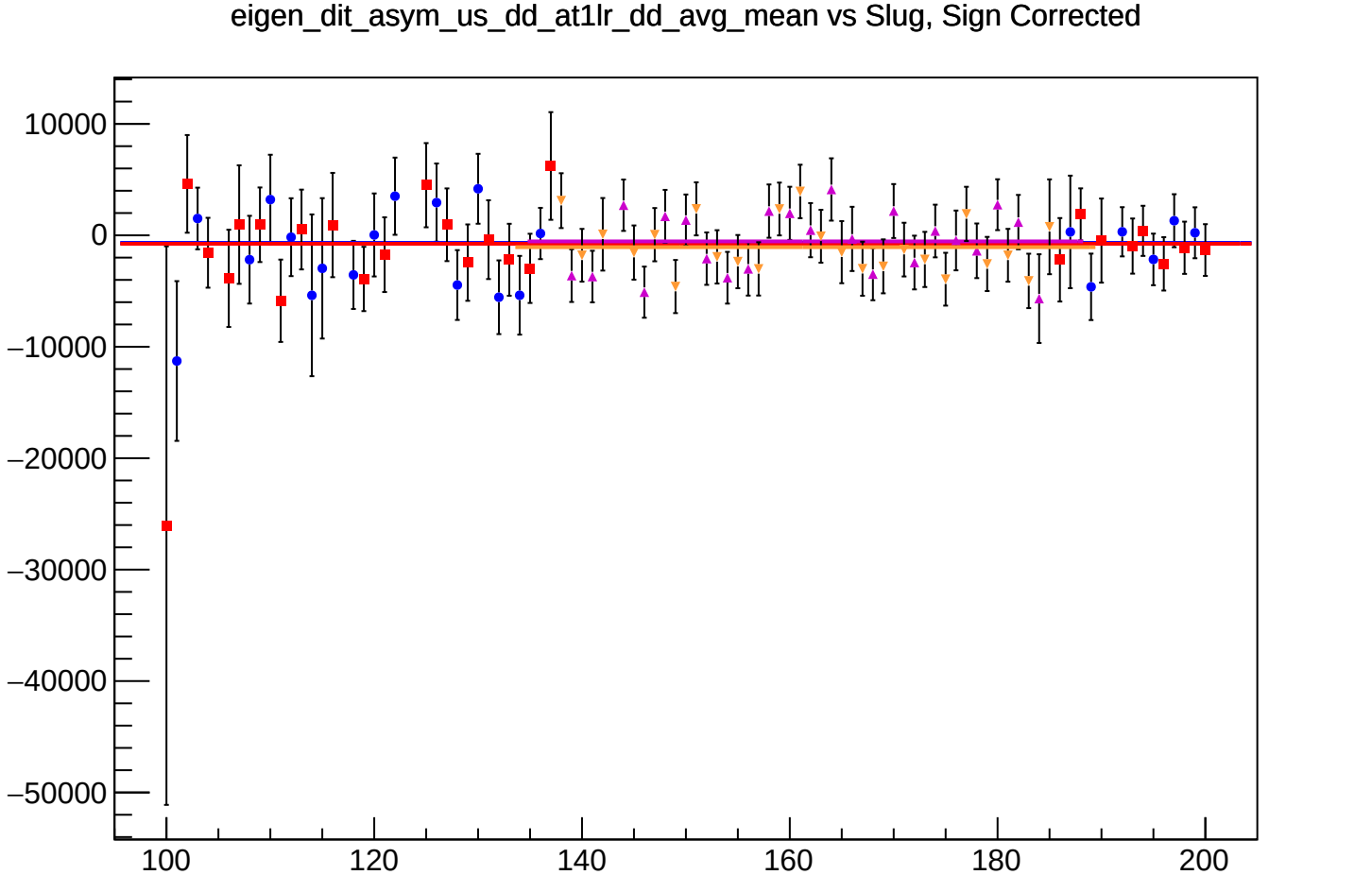
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 199.284+/-0.044 χ^2/NDF: 28300969.9/47

In: 148.964+/-0.023 χ^2/NDF:15507410.8/44

Out: 146.736+/-0.022 χ^2/NDF:19522140.4/49

All: 147.836+/-0.016 χ^2/NDF: 35034448.2/94



Right In: -679.975+/-670.847 χ^2/NDF: 19.1/21

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

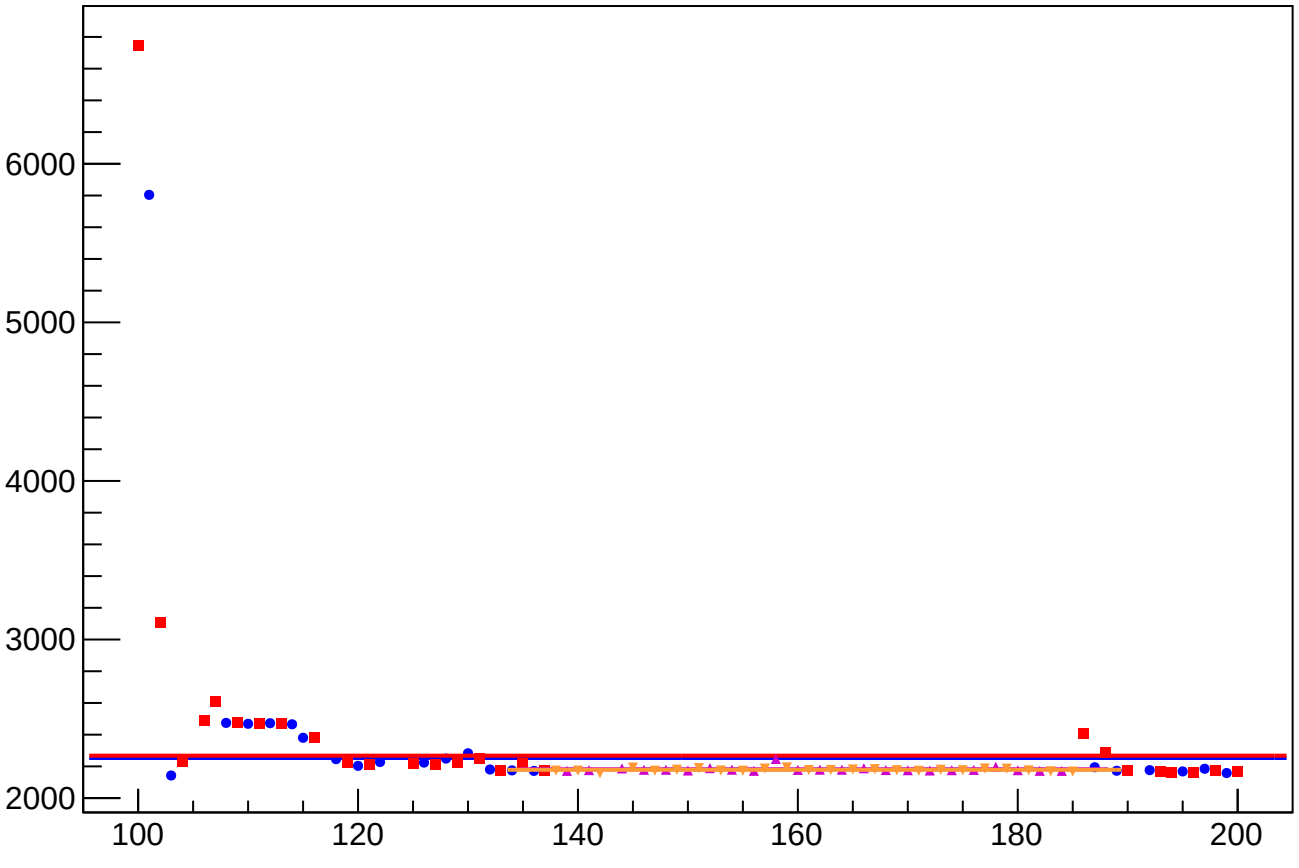
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -721.045+/-458.322 χ^2/NDF: 33.6/47

In: -593.898+/-405.711 χ^2/NDF:47.0/44

Out: -942.186+/-393.750 χ^2/NDF:36.6/49

All: -773.251+/-282.557 χ^2/NDF: 84.0/94



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

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

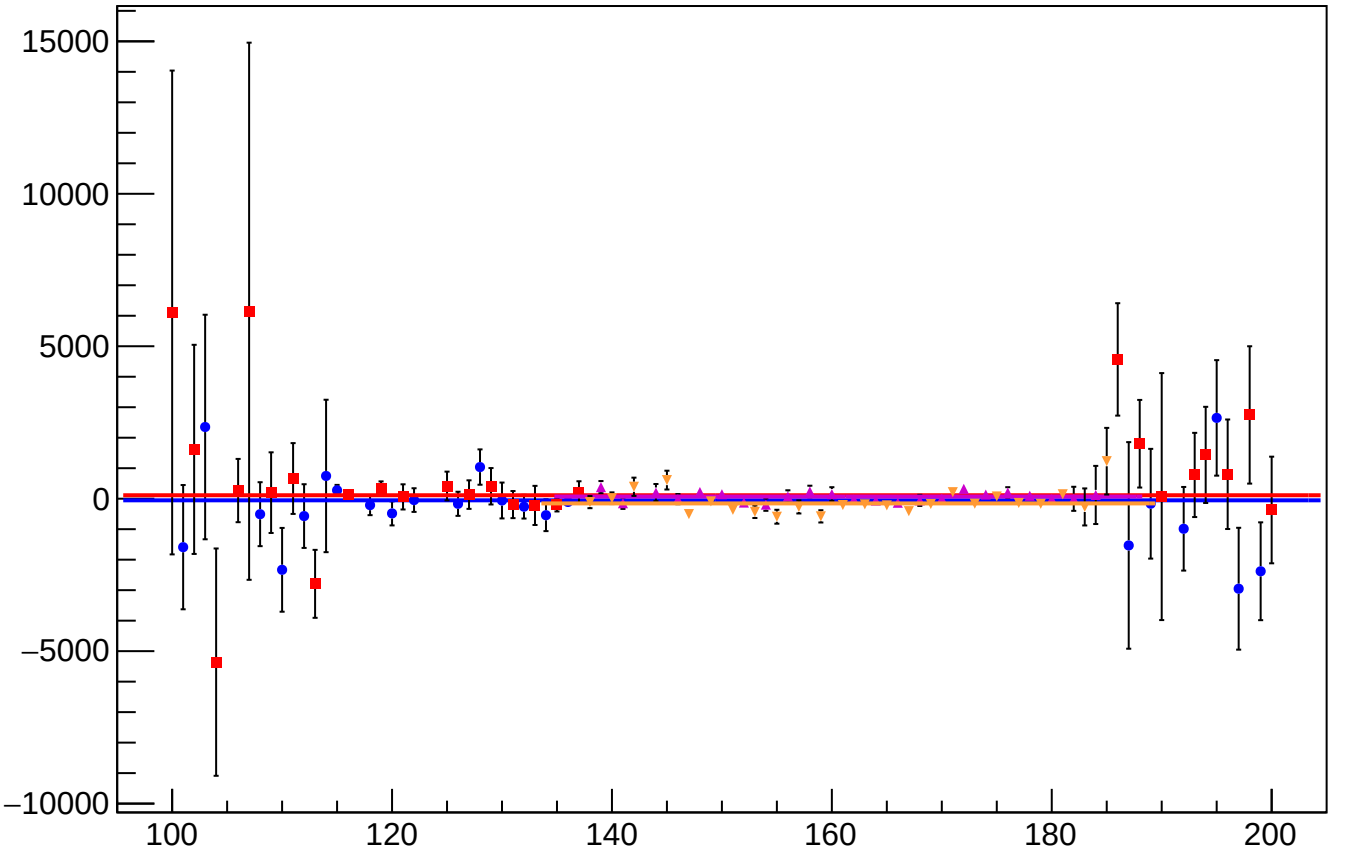
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2260.812+/-0.324 χ^2/NDF: 734998.5/47

In: 2207.885+/-0.287 χ^2/NDF:549877.7/44

Out: 2213.597+/-0.278 χ^2/NDF:225629.1/49

All: 2210.826+/-0.200 χ^2/NDF: 775710.9/94



Right In: -53.233+/-91.689 χ^2/NDF: 21.0/21

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

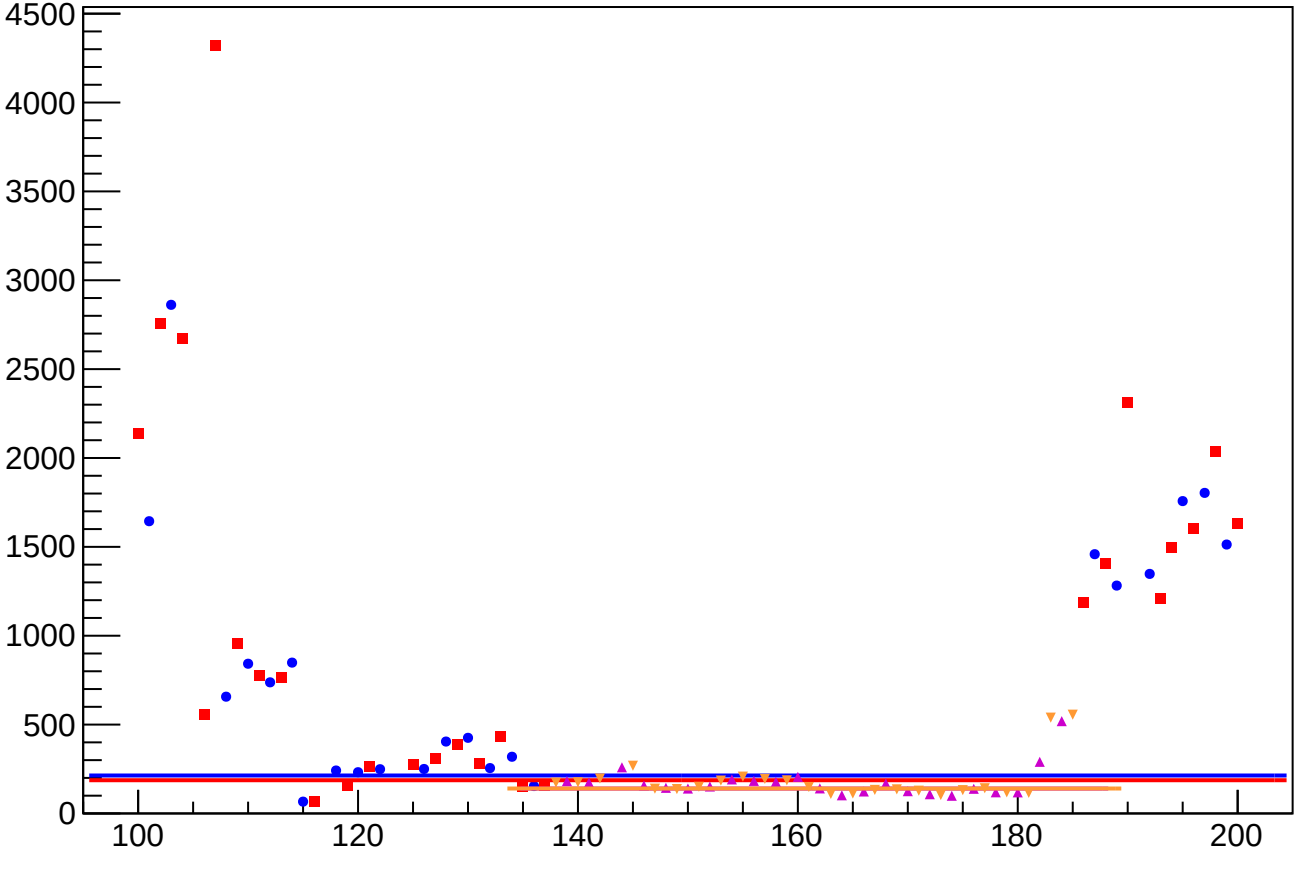
Right: 35.871+/-62.441 χ^2/NDF: 47.5/47

In: 55.069+/-32.047 χ^2/NDF:41.5/44

Out: -117.895+/-31.631 χ^2/NDF:80.6/49

All: -32.545+/-22.512 χ^2/NDF: 136.9/94

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 213.533+/-0.065 χ^2/NDF: 11965091.5/21

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

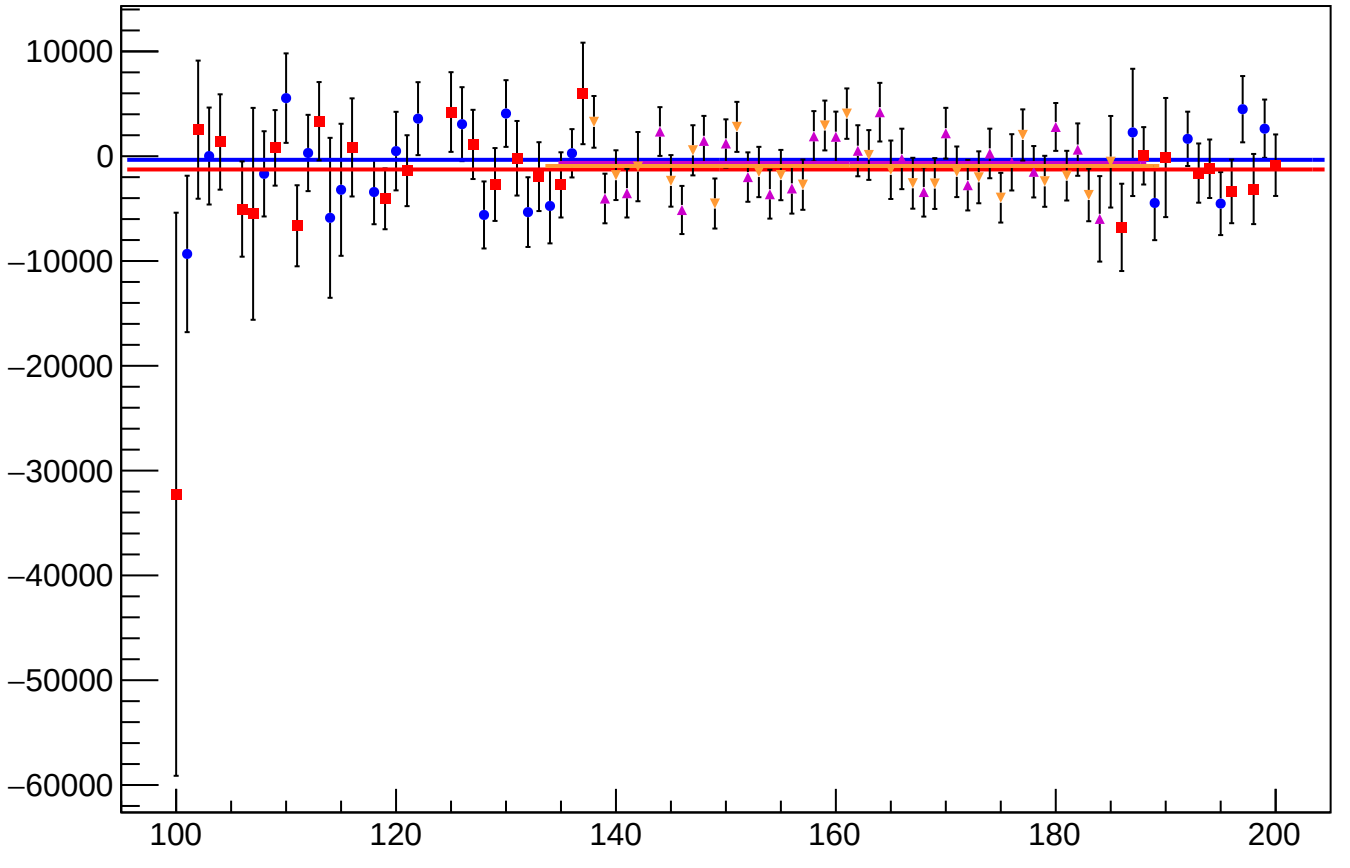
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 199.282+/-0.044 χ^2/NDF: 28301127.0/47

In: 148.964+/-0.023 χ^2/NDF:15507458.3/44

Out: 146.736+/-0.022 χ^2/NDF:19522169.9/49

All: 147.836+/-0.016 χ^2/NDF: 35034524.8/94



Right In: -344.718+/-748.132 χ^2/NDF: 23.5/21

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

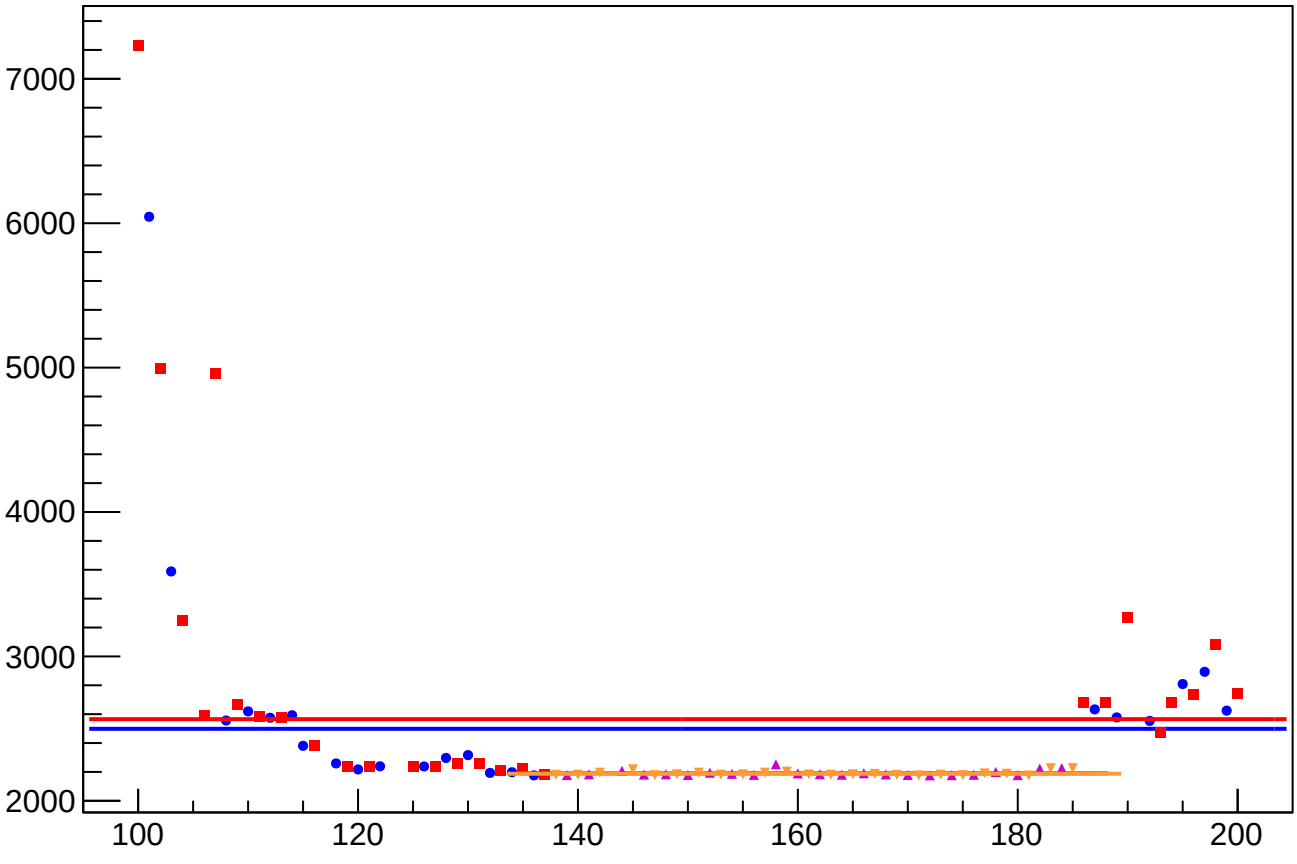
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -825.609+/-517.404 χ^2/NDF: 40.3/47

In: -547.861+/-422.173 χ^2/NDF:50.6/44

Out: -1043.849+/-414.225 χ^2/NDF:38.5/49

All: -800.567+/-295.671 χ^2/NDF: 89.8/94



Right In: 2498.596+/-0.529 χ^2/NDF: 755970.8/21

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

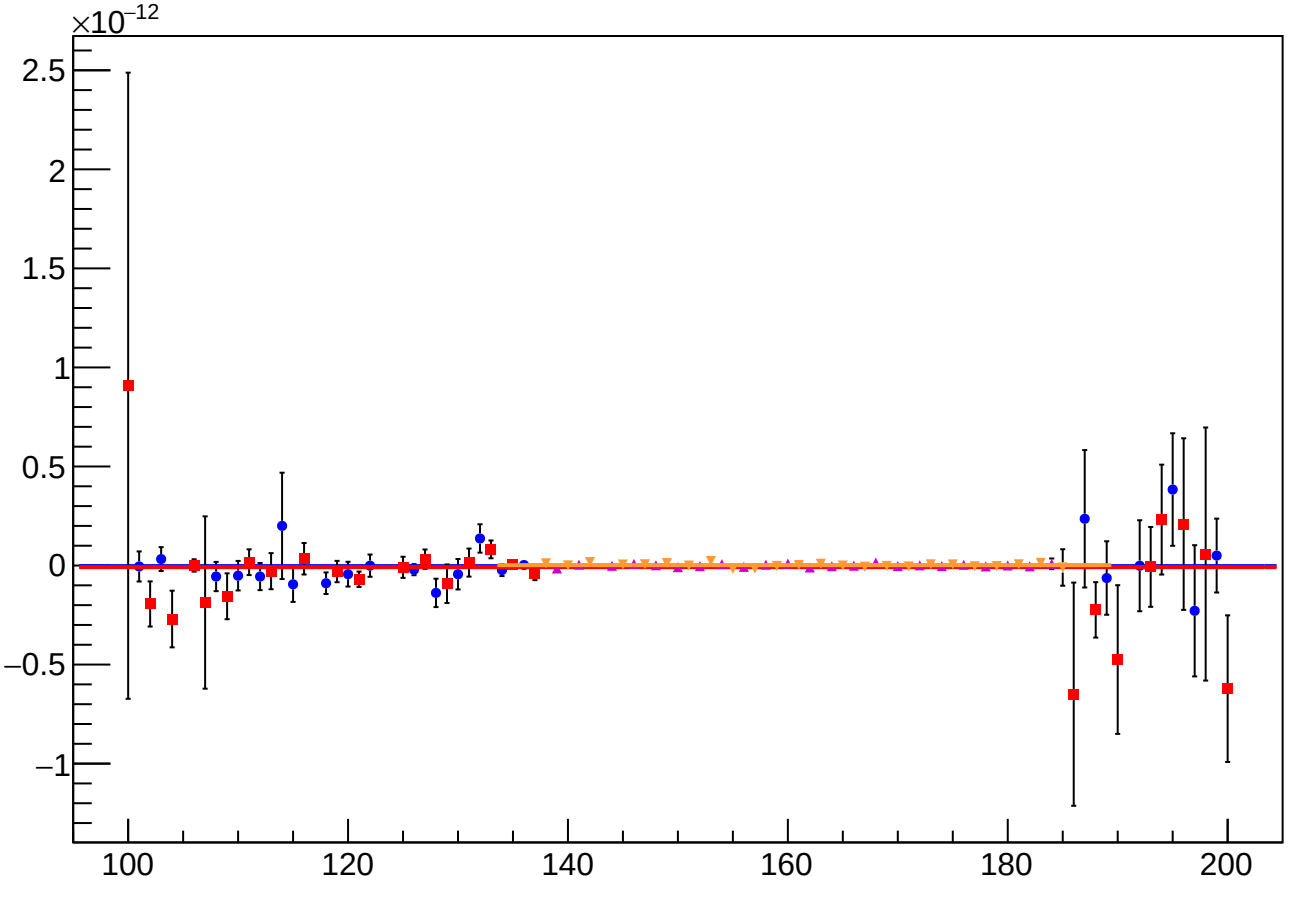
Right: 2533.429+/-0.366 χ^2/NDF: 1530783.3/47

In: 2288.379+/-0.299 χ^2/NDF:990199.3/44

Out: 2313.928+/-0.293 χ^2/NDF:1138027.7/49

All: 2301.397+/-0.209 χ^2/NDF: 2131958.9/94

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

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

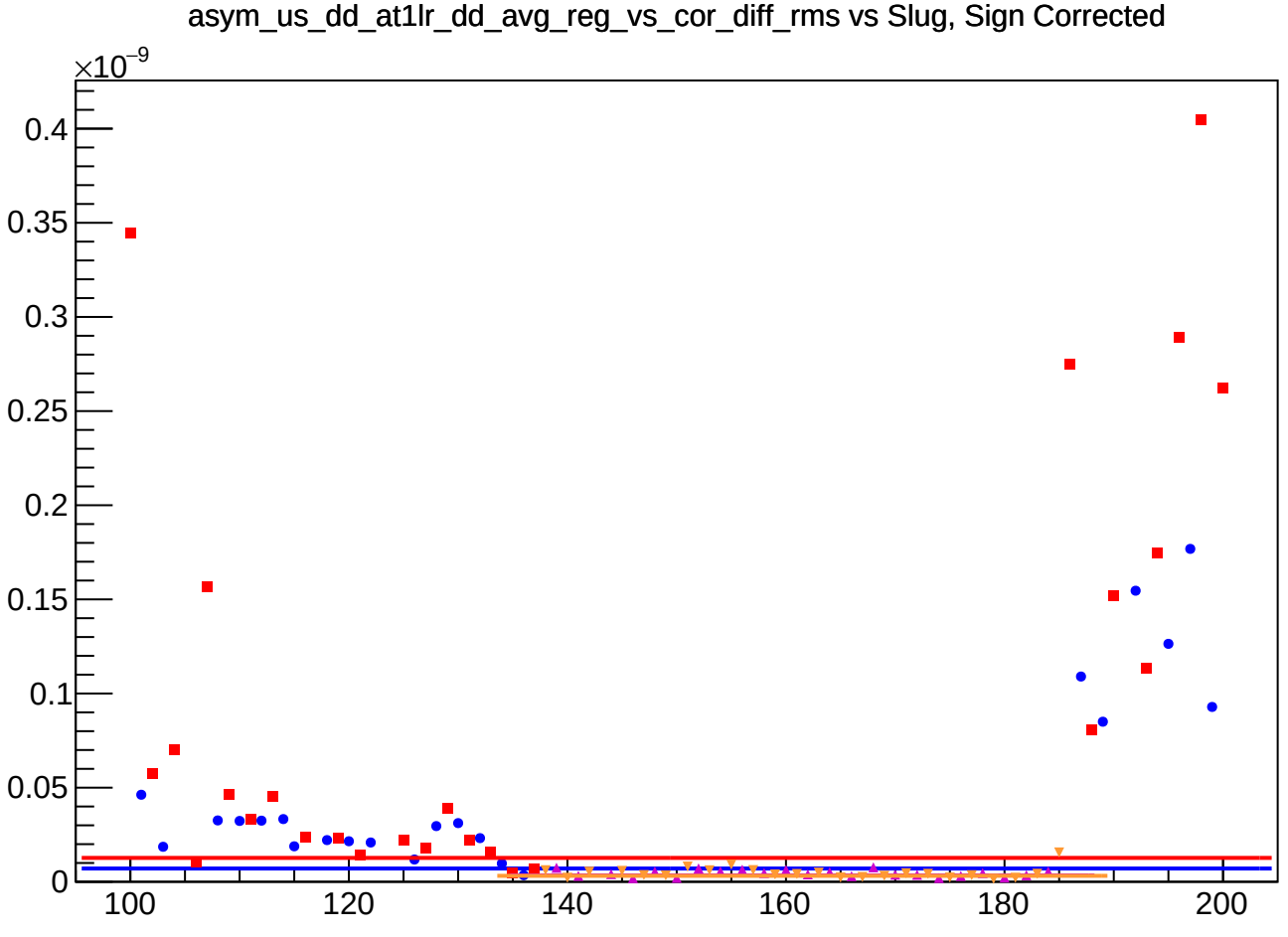
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 46.6/47

In: -0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:48.3/49

All: 0.000+/-0.000 χ^2/NDF: 81.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 5520899.0/21

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

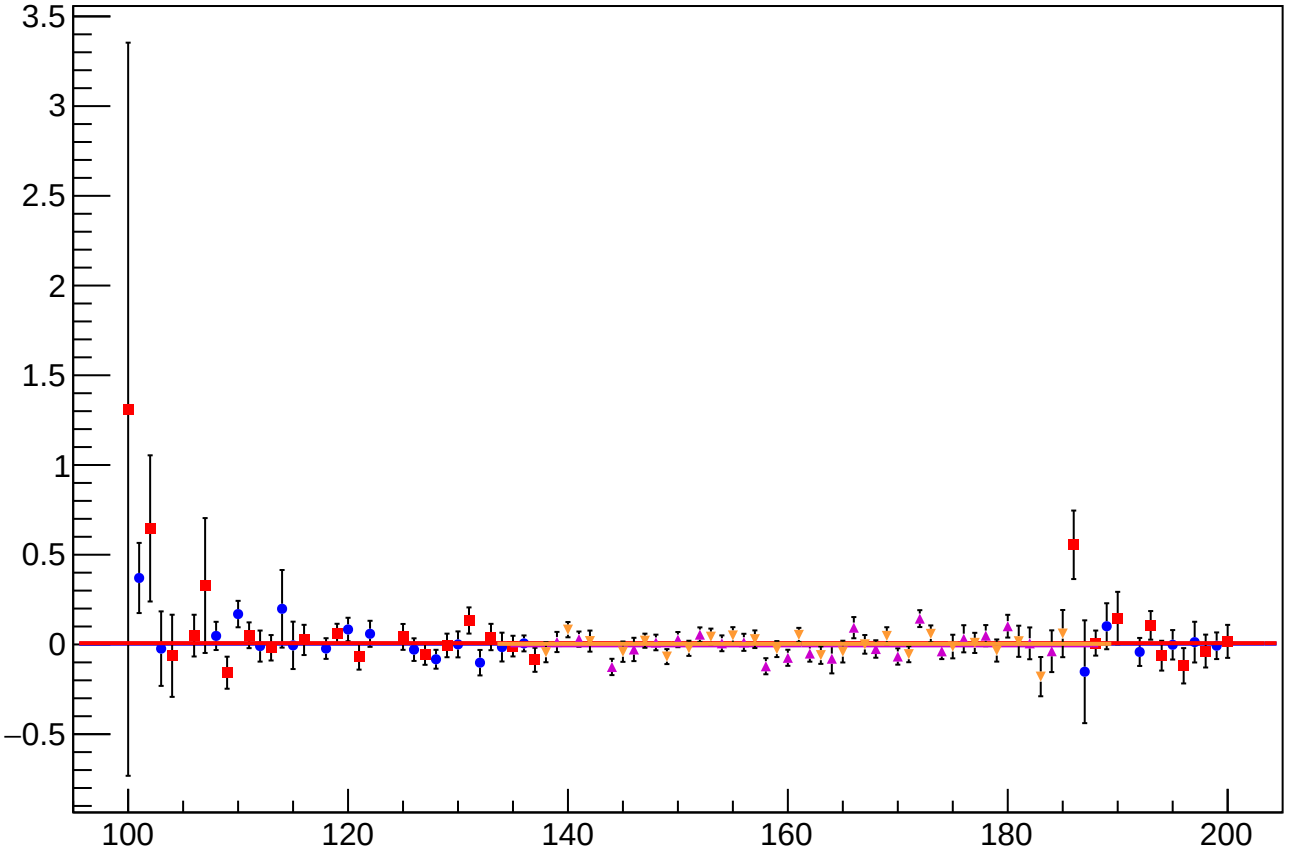
Right: 0.000+/-0.000 χ^2/NDF: 13571632.6/47

In: 0.000+/-0.000 χ^2/NDF:7860761.0/44

Out: 0.000+/-0.000 χ^2/NDF:11515598.9/49

All: 0.000+/-0.000 χ^2/NDF: 19397798.5/94

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

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

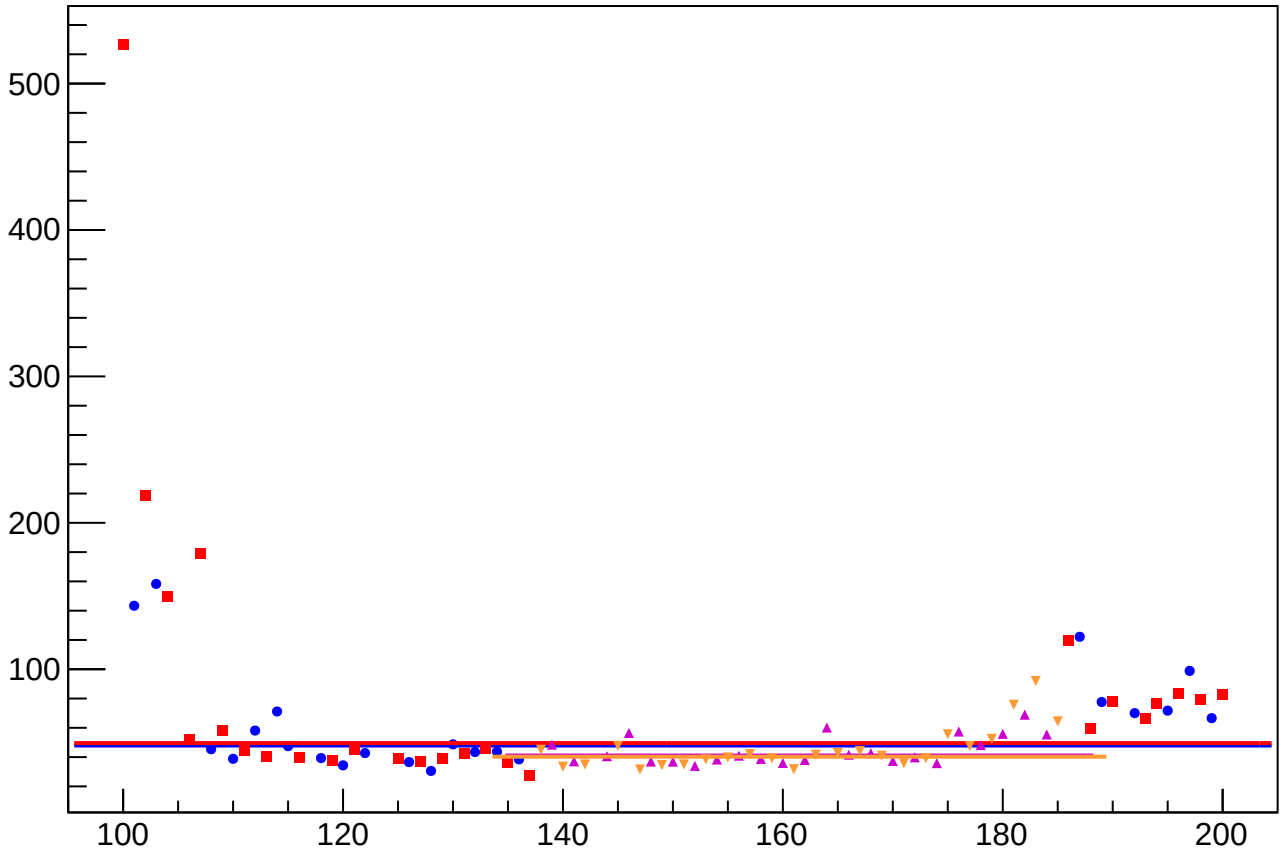
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.006+/-0.012 χ^2/NDF: 48.1/47

In: -0.003+/-0.009 χ^2/NDF:60.2/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 111.9/94



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

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

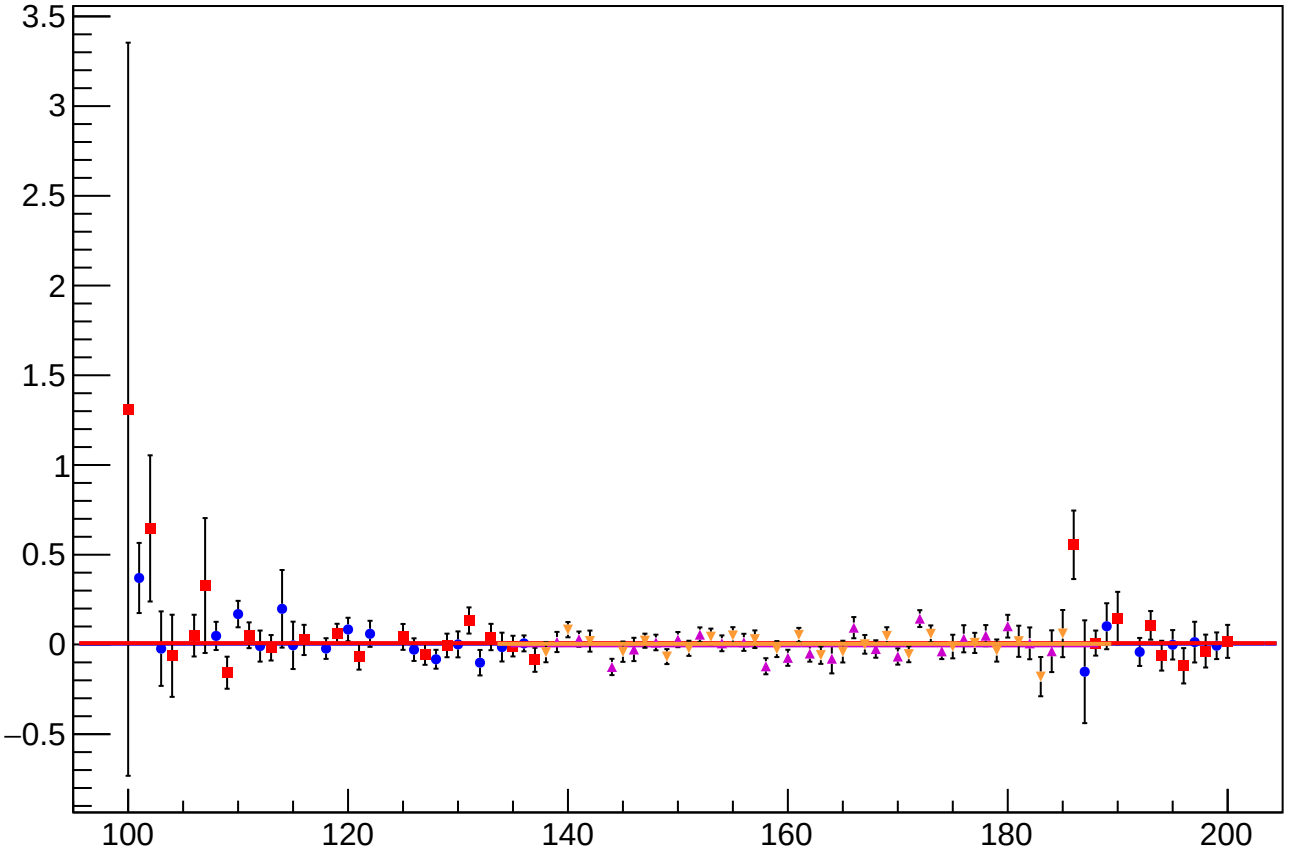
Right: 48.758+/-0.008 χ^2/NDF: 5960732.9/47

In: 43.056+/-0.006 χ^2/NDF:3922753.9/44

Out: 42.980+/-0.006 χ^2/NDF:5152327.6/49

All: 43.017+/-0.004 χ^2/NDF: 9075156.6/94

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

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

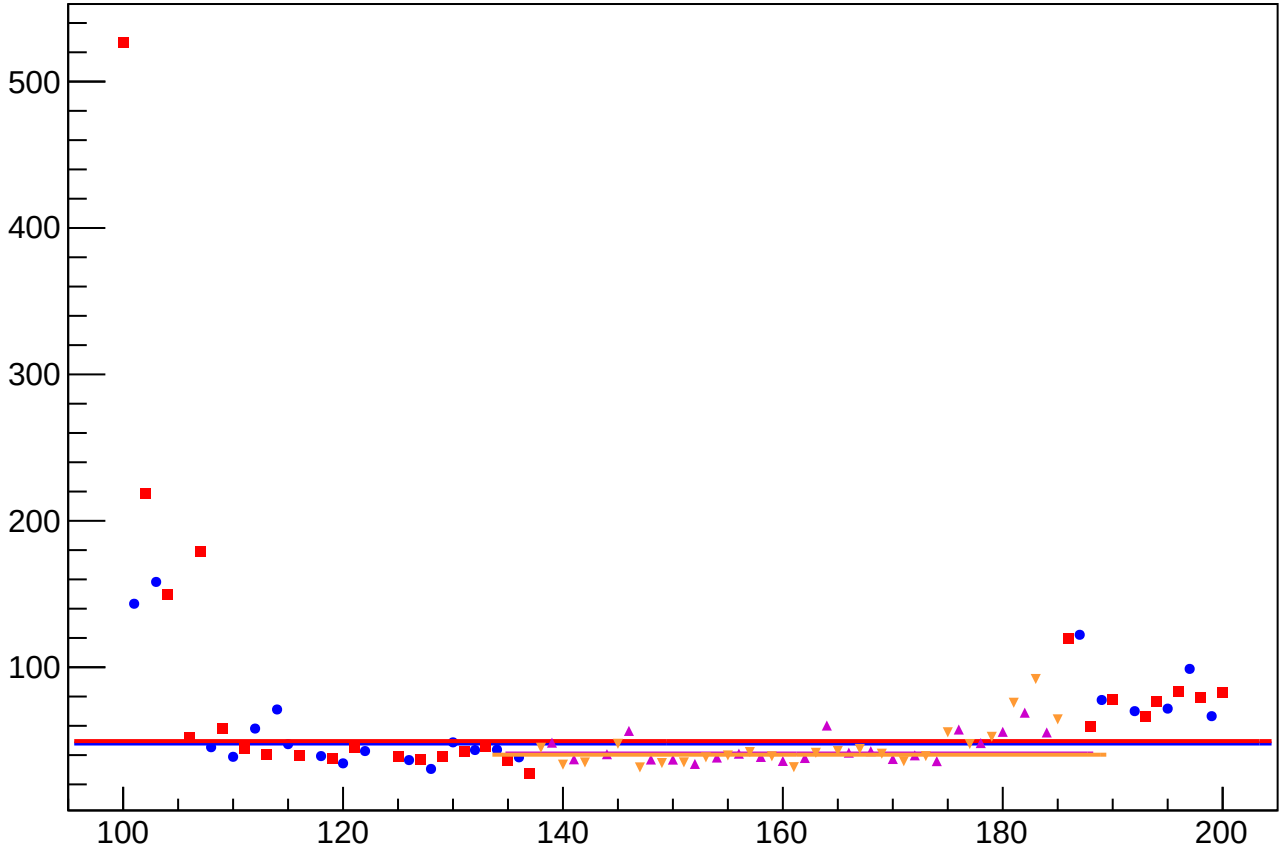
Right: 0.006+/-0.012 χ^2/NDF: 48.1/47

In: -0.003+/-0.009 χ^2/NDF:60.2/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 111.9/94

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

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

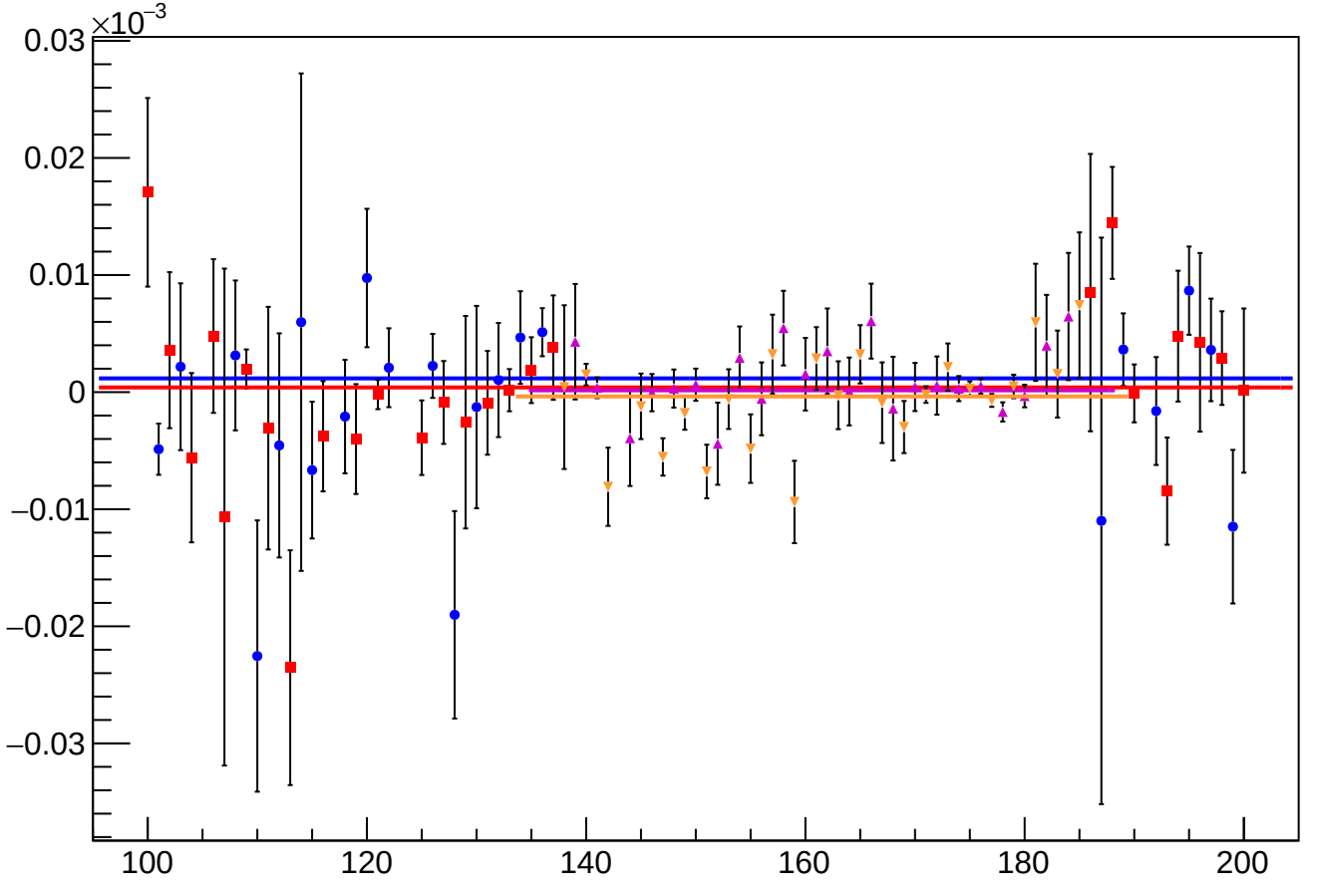
Right: 48.758+/-0.008 χ^2/NDF: 5960732.9/47

In: 43.056+/-0.006 χ^2/NDF:3922753.9/44

Out: 42.980+/-0.006 χ^2/NDF:5152327.6/49

All: 43.017+/-0.004 χ^2/NDF: 9075156.6/94

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: 36.0/21

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

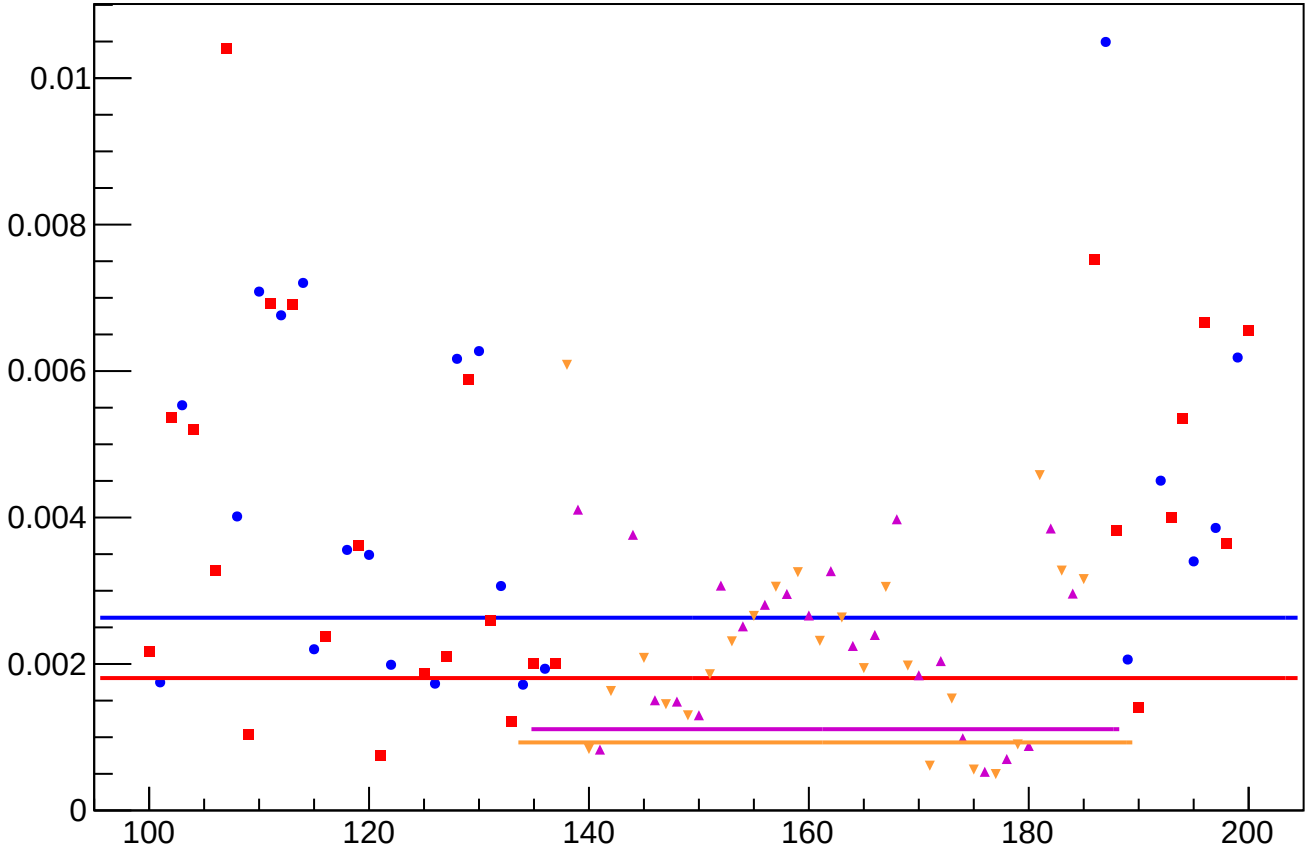
Right: 0.000+/-0.000 χ^2/NDF: 68.2/47

In: 0.000+/-0.000 χ^2/NDF:57.0/44

Out: -0.000+/-0.000 χ^2/NDF:84.1/49

All: -0.000+/-0.000 χ^2/NDF: 142.8/94

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: 4391257.6/21

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

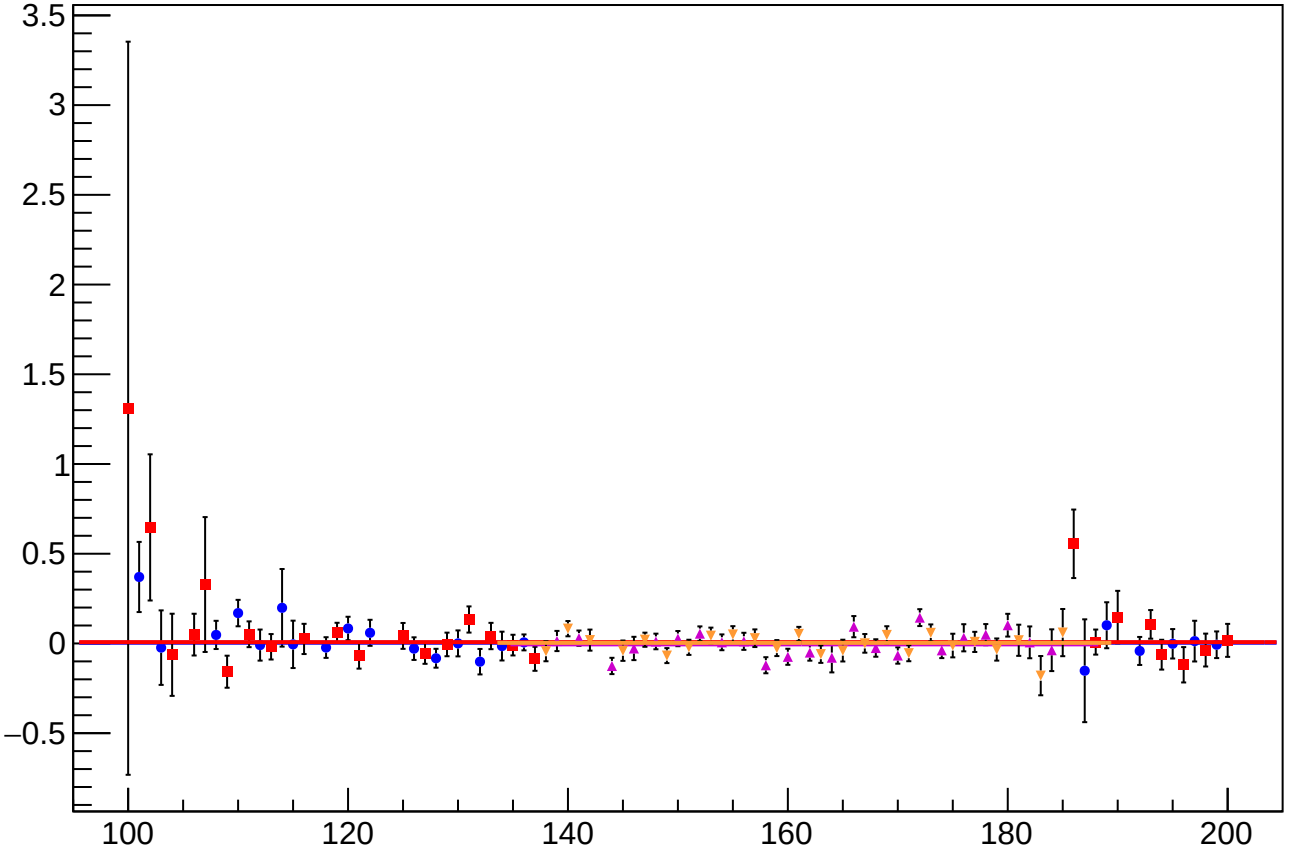
Right: 0.002+/-0.000 χ^2/NDF: 15135317.1/47

In: 0.001+/-0.000 χ^2/NDF:20511878.6/44

Out: 0.001+/-0.000 χ^2/NDF:25236230.0/49

All: 0.001+/-0.000 χ^2/NDF: 46373138.6/94

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

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

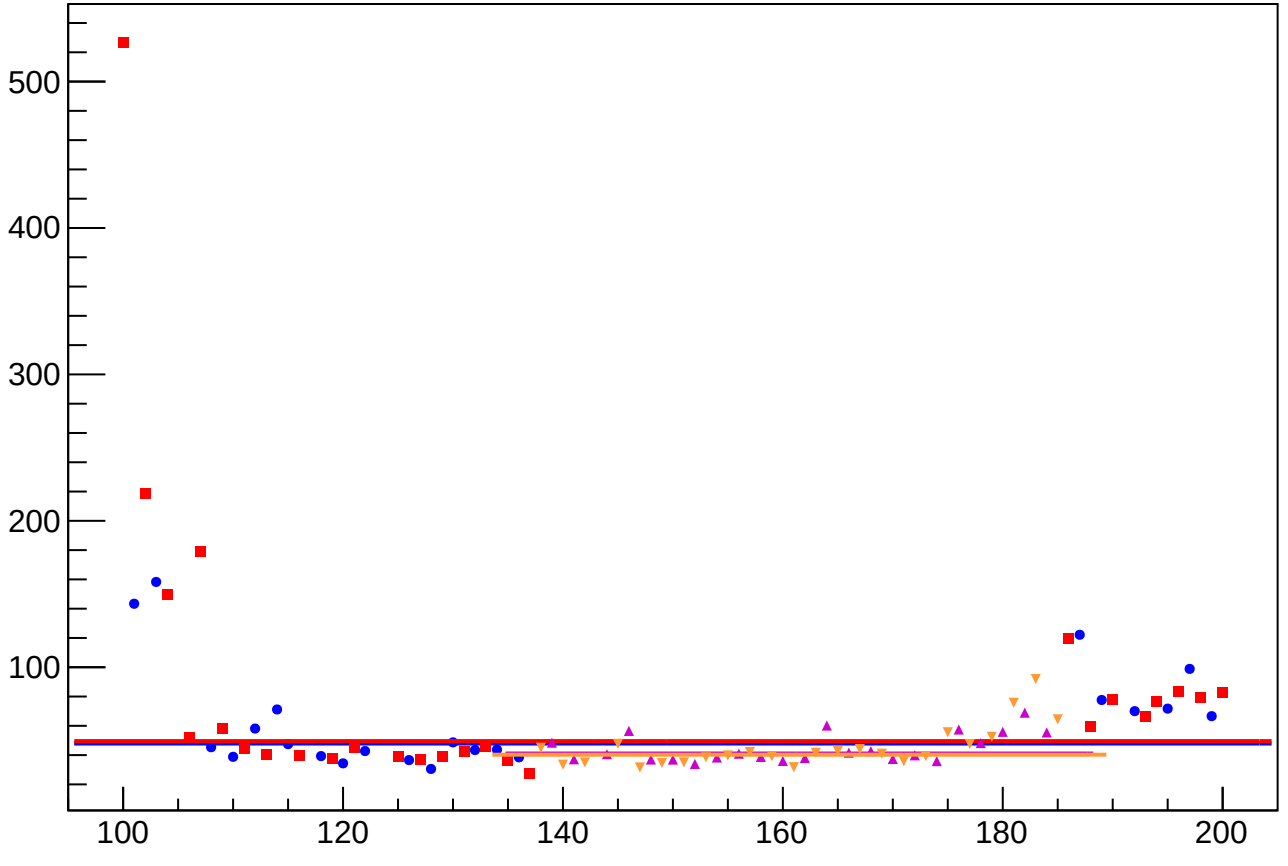
Right: 0.006+/-0.012 χ^2/NDF: 48.1/47

In: -0.003+/-0.009 χ^2/NDF:60.1/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 111.9/94

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

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

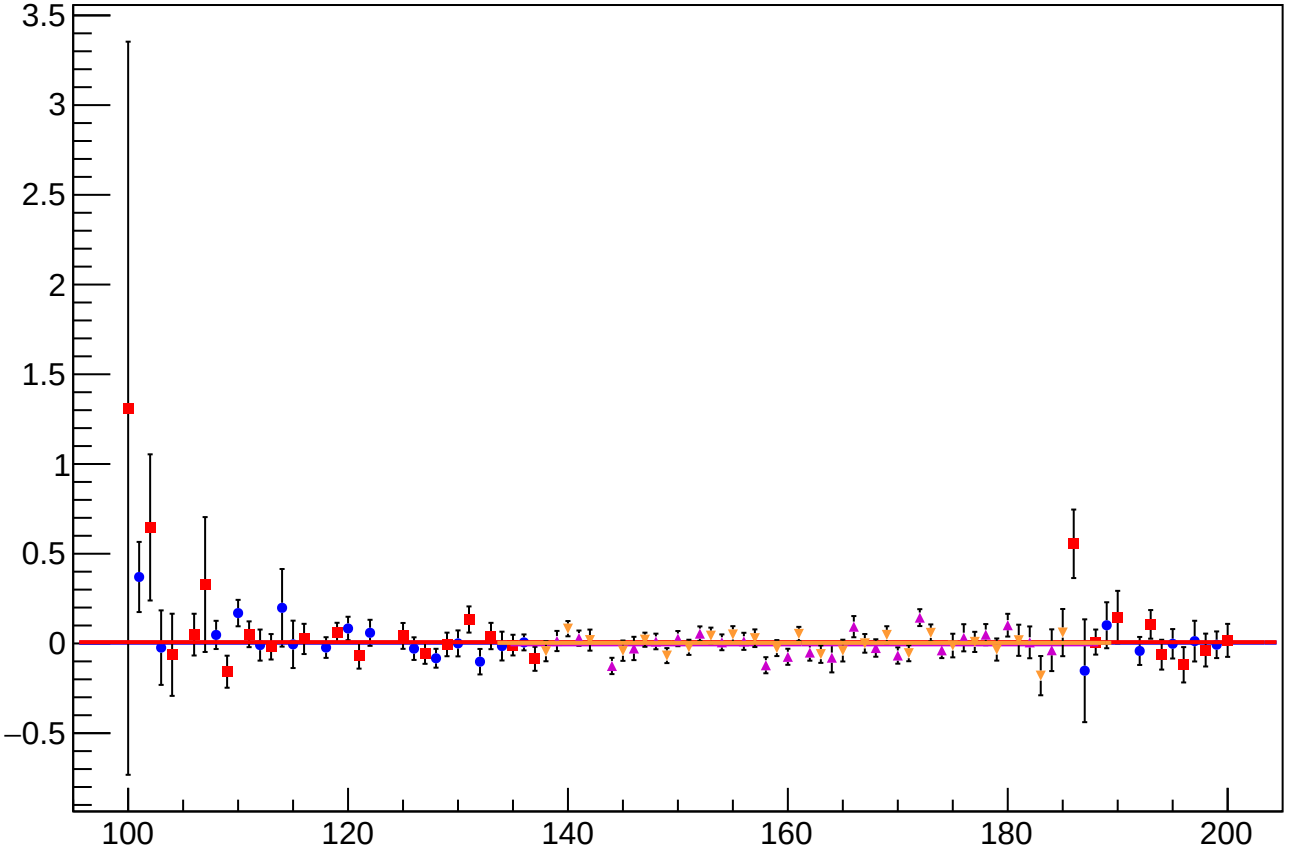
Right: 48.757+/-0.008 χ^2/NDF: 5961128.9/47

In: 43.056+/-0.006 χ^2/NDF:3923038.9/44

Out: 42.980+/-0.006 χ^2/NDF:5152305.4/49

All: 43.017+/-0.004 χ^2/NDF: 9075417.8/94

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

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

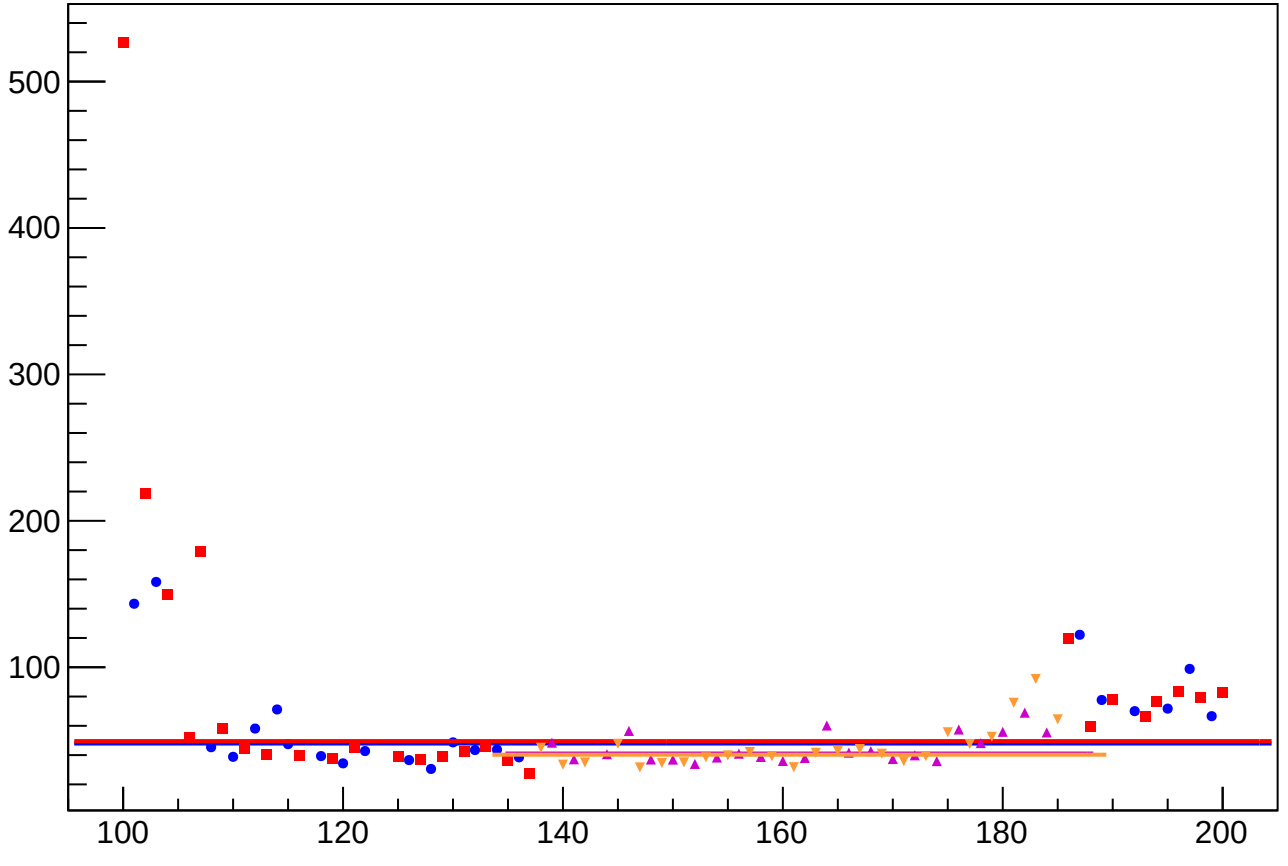
Right: 0.006+/-0.012 χ^2/NDF: 48.1/47

In: -0.003+/-0.009 χ^2/NDF:60.1/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/49

All: 0.001+/-0.006 χ^2/NDF: 111.9/94

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

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

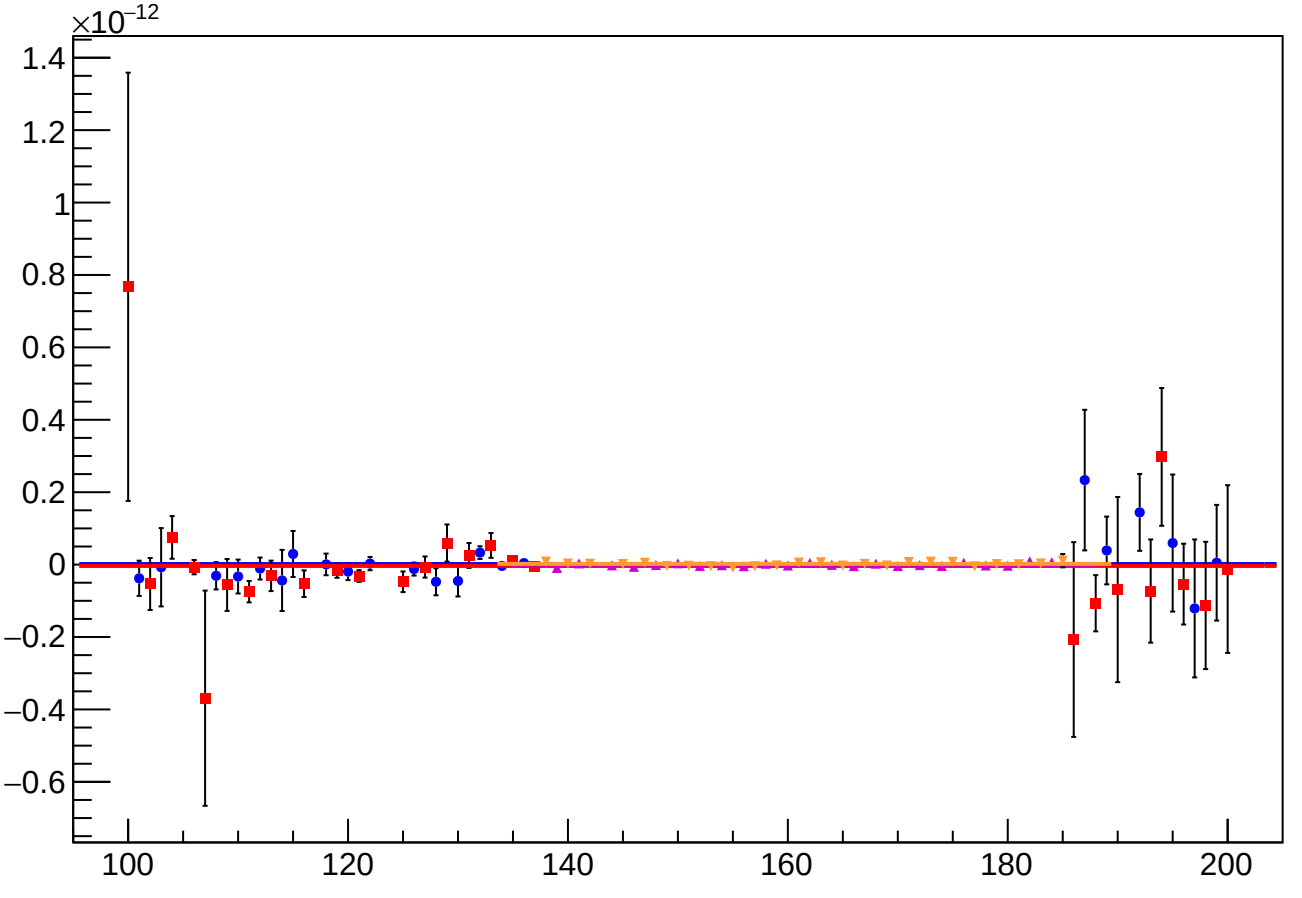
Right: 48.757+/-0.008 χ^2/NDF: 5961128.9/47

In: 43.056+/-0.006 χ^2/NDF:3923038.9/44

Out: 42.980+/-0.006 χ^2/NDF:5152305.4/49

All: 43.017+/-0.004 χ^2/NDF: 9075417.8/94

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: 14.4/21

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

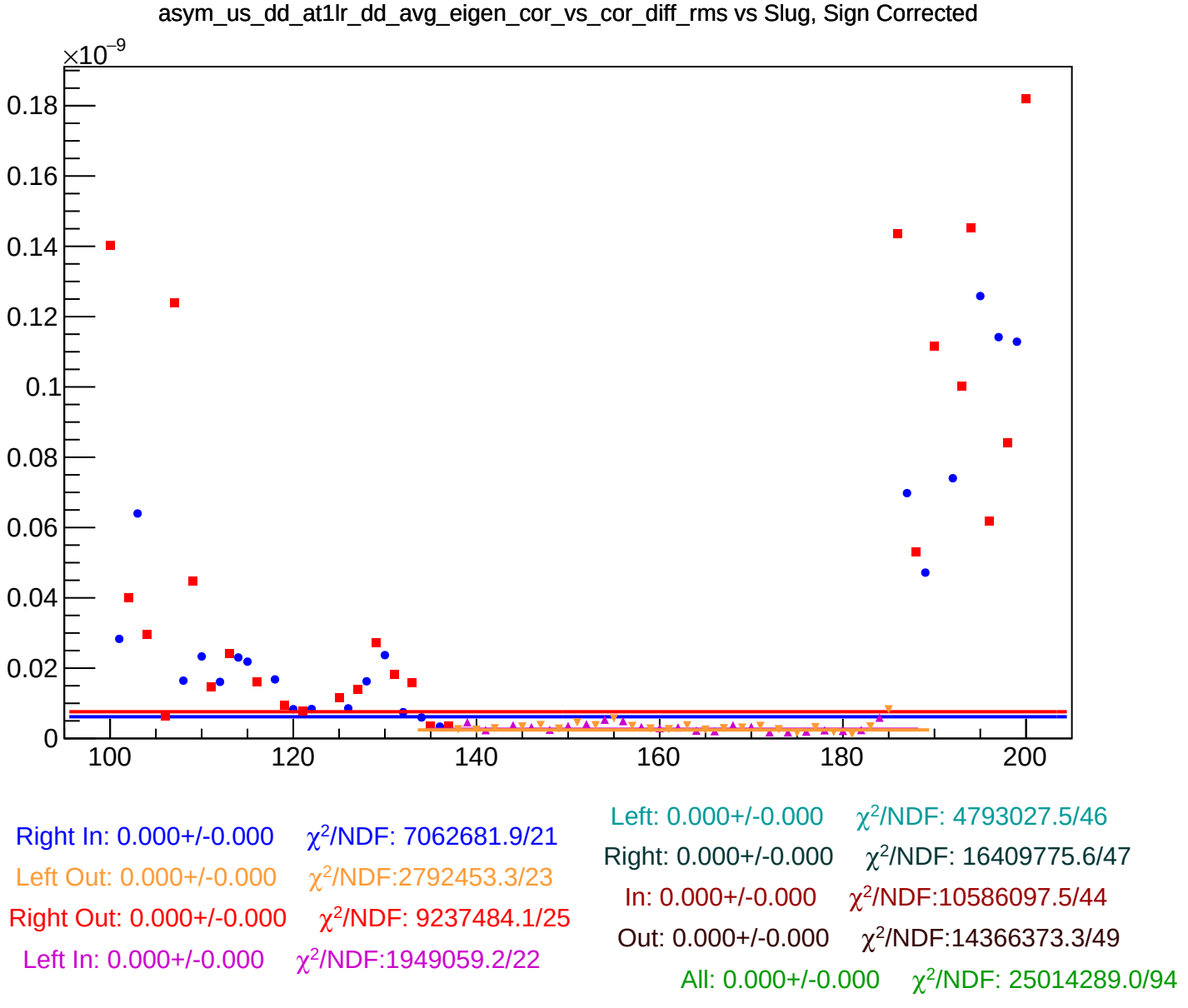
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

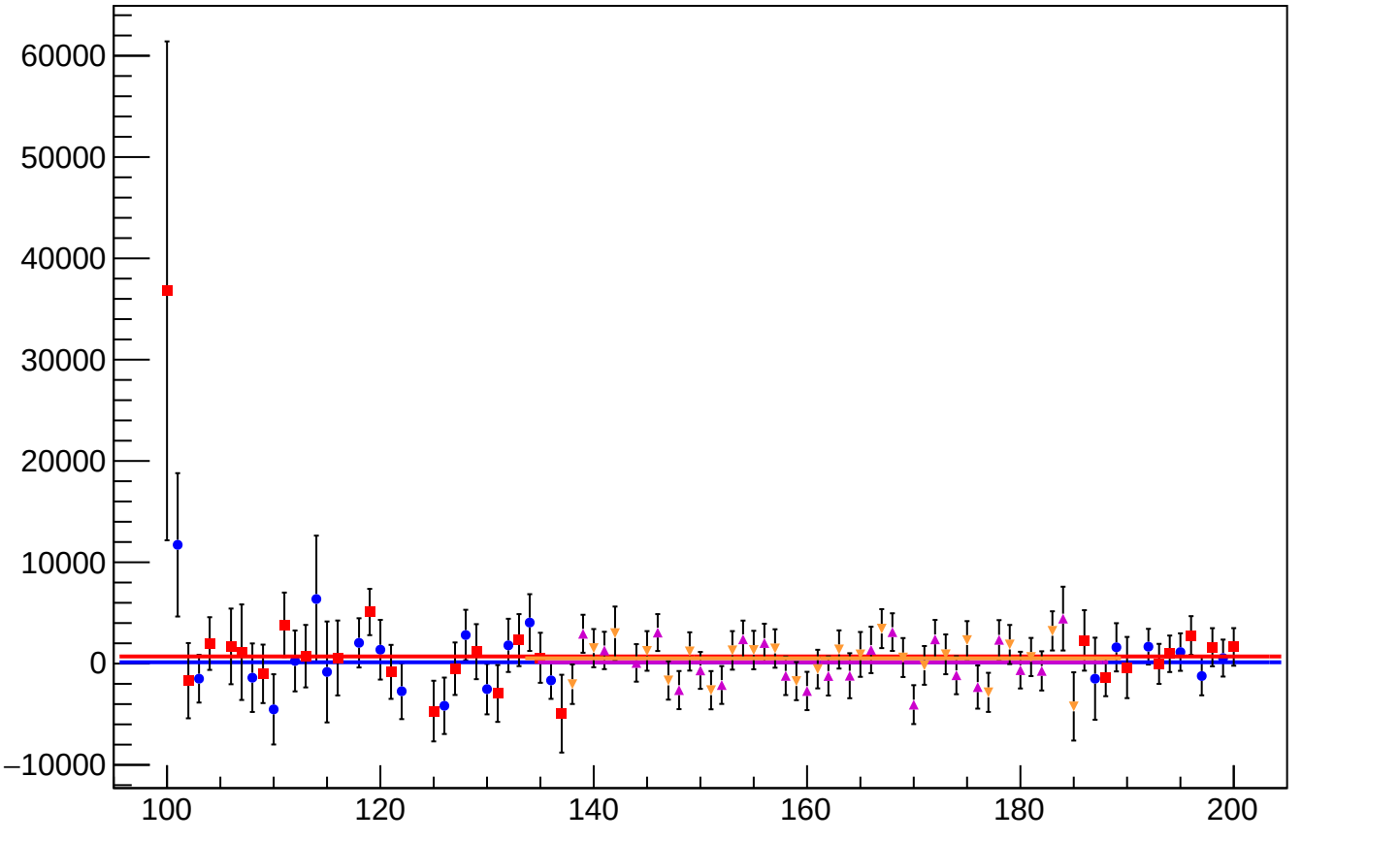
Right: -0.000+/-0.000 χ^2/NDF: 49.7/47

In: -0.000+/-0.000 χ^2/NDF:37.8/44

Out: 0.000+/-0.000 χ^2/NDF:61.1/49

All: 0.000+/-0.000 χ^2/NDF: 102.1/94


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7062681.9/21
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 9237484.1/25
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 16409775.6/47
In: 0.000+/-0.000 χ²/NDF:10586097.5/44
Out: 0.000+/-0.000 χ²/NDF:14366373.3/49
All: 0.000+/-0.000 χ²/NDF: 25014289.0/94



Right In: 129.574+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 703.532+/-506.719 χ^2/NDF: 19.4/25

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

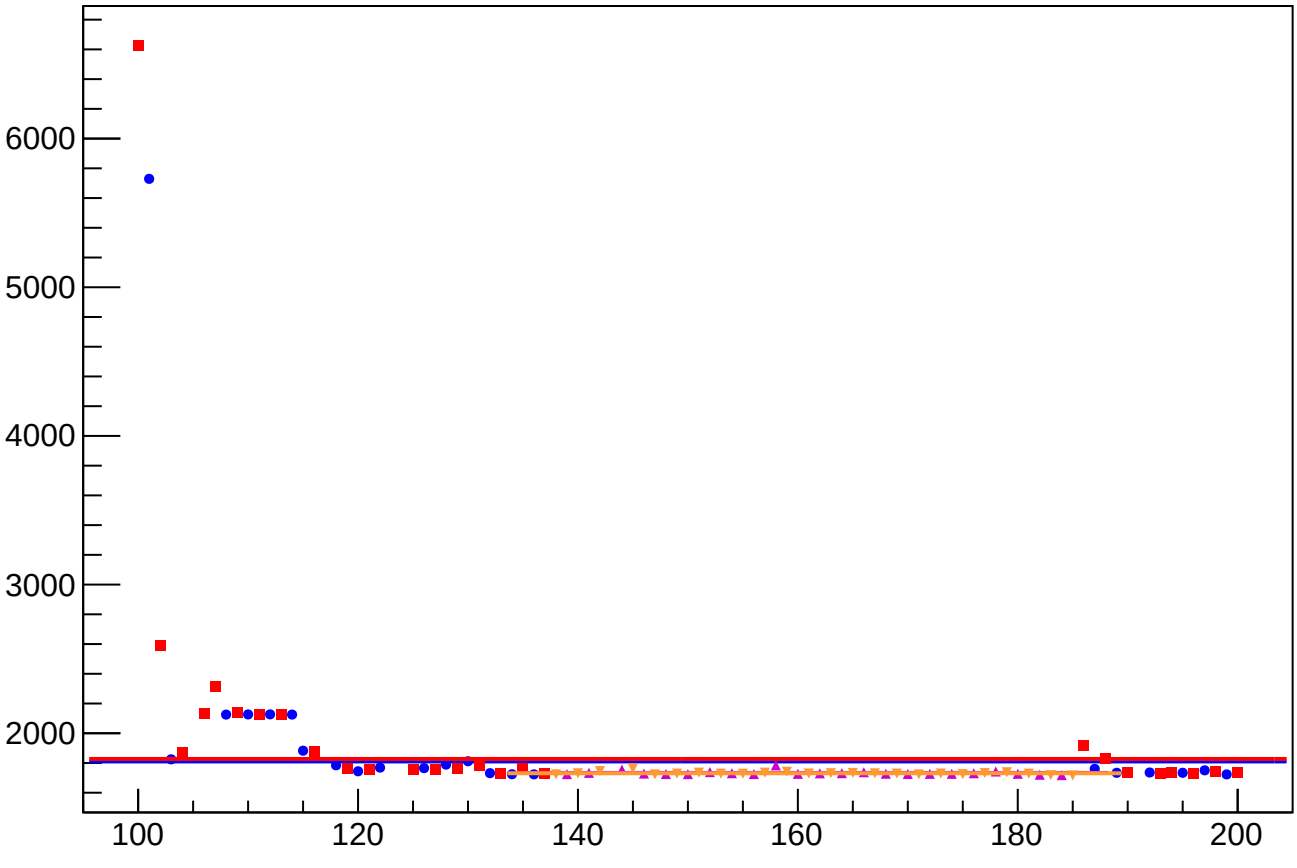
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 435.356+/-369.857 χ^2/NDF: 38.2/47

In: 127.301+/-324.044 χ^2/NDF:47.7/44

Out: 590.786+/-314.788 χ^2/NDF:40.3/49

All: 365.757+/-225.790 χ^2/NDF: 89.0/94



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.8/21

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

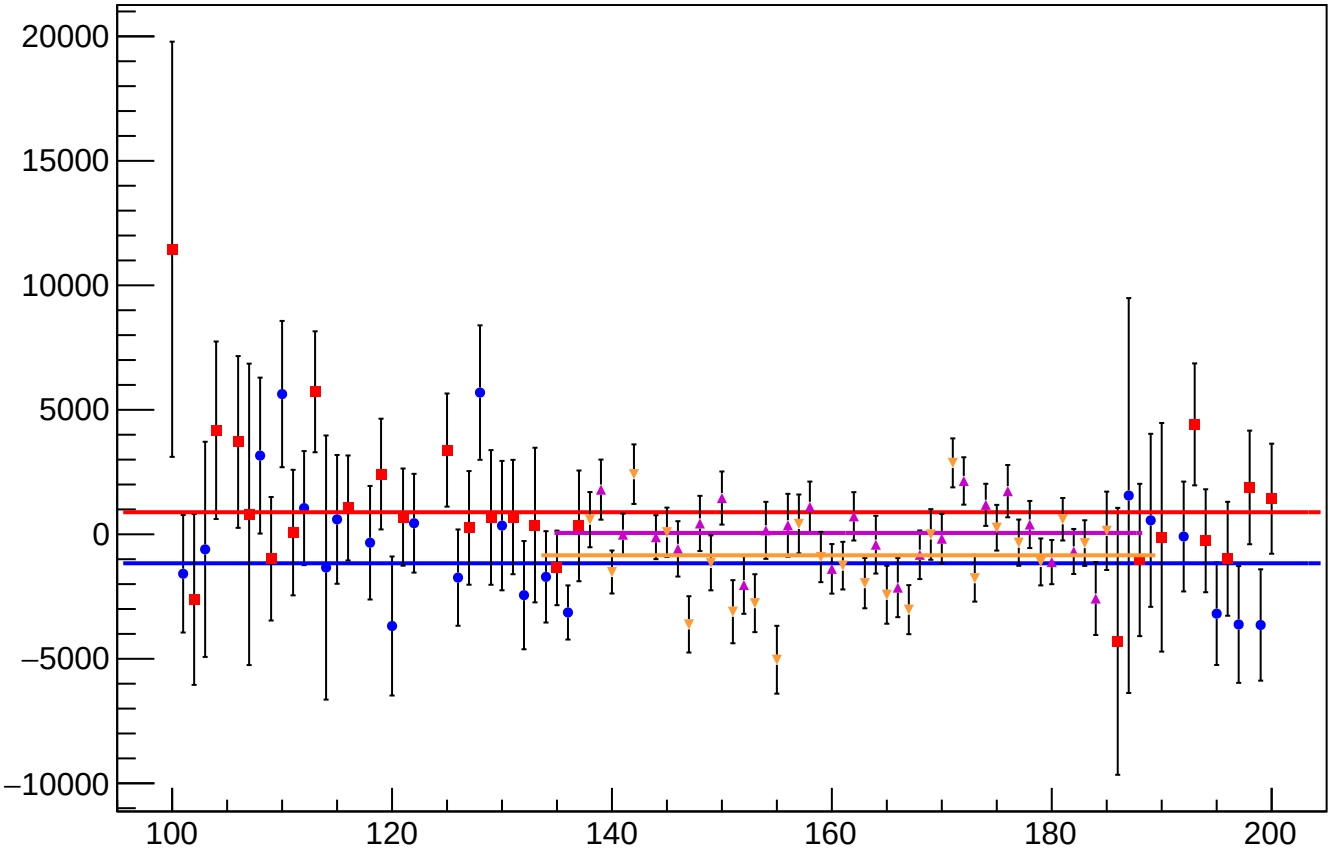
Right: 1819.311+/-0.262 χ^2/NDF: 999739.0/47

In: 1760.795+/-0.229 χ^2/NDF:730326.4/44

Out: 1767.975+/-0.223 χ^2/NDF:342190.7/49

All: 1764.489+/-0.160 χ^2/NDF: 1073022.3/94

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1163.276+/-486.228 χ^2/NDF: 24.8/21

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

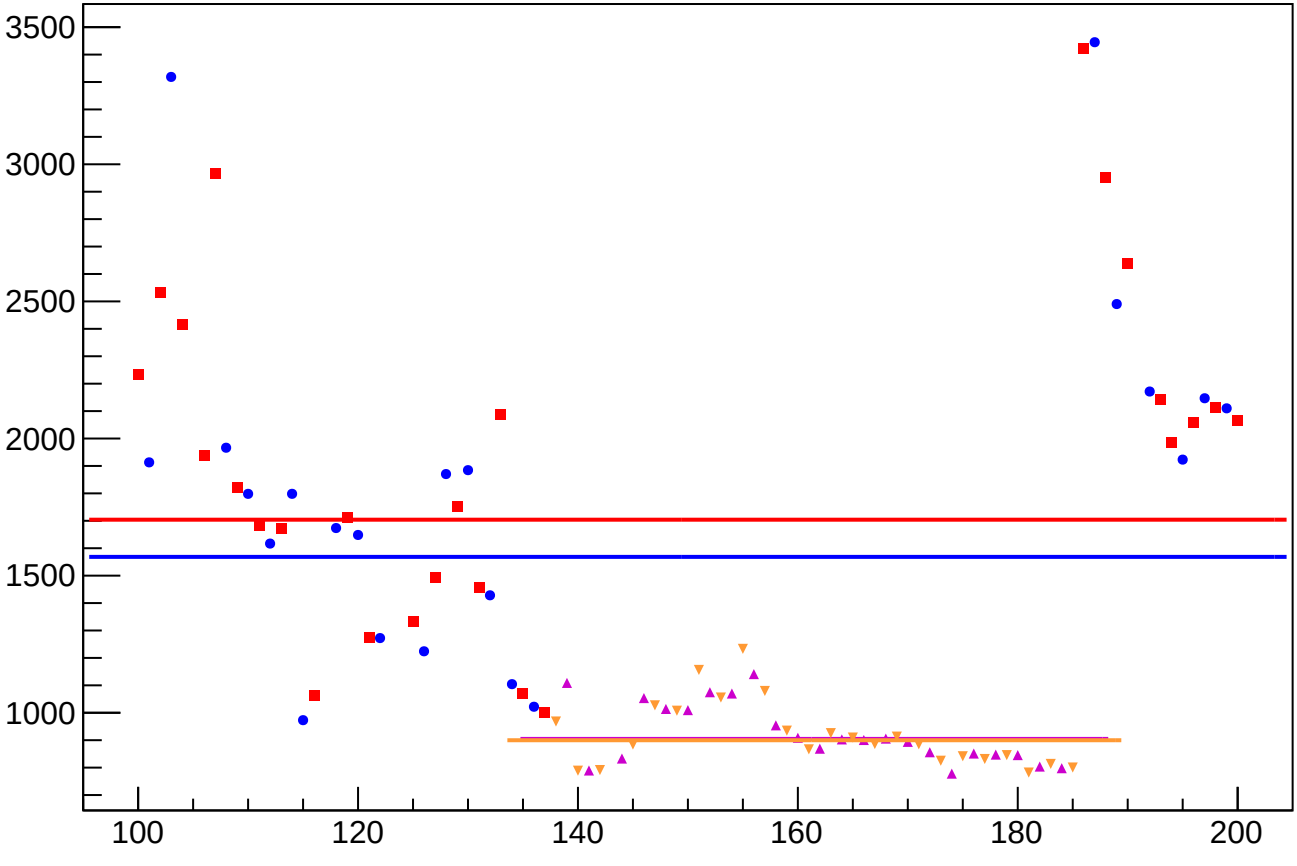
Right: -152.667+/-346.277 χ^2/NDF: 51.2/47

In: -142.015+/-195.075 χ^2/NDF:60.7/44

Out: -575.186+/-193.882 χ^2/NDF:90.7/49

All: -359.929+/-137.515 χ^2/NDF: 153.9/94

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1568.429+/-0.344 χ^2/NDF: 2036172.3/21

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

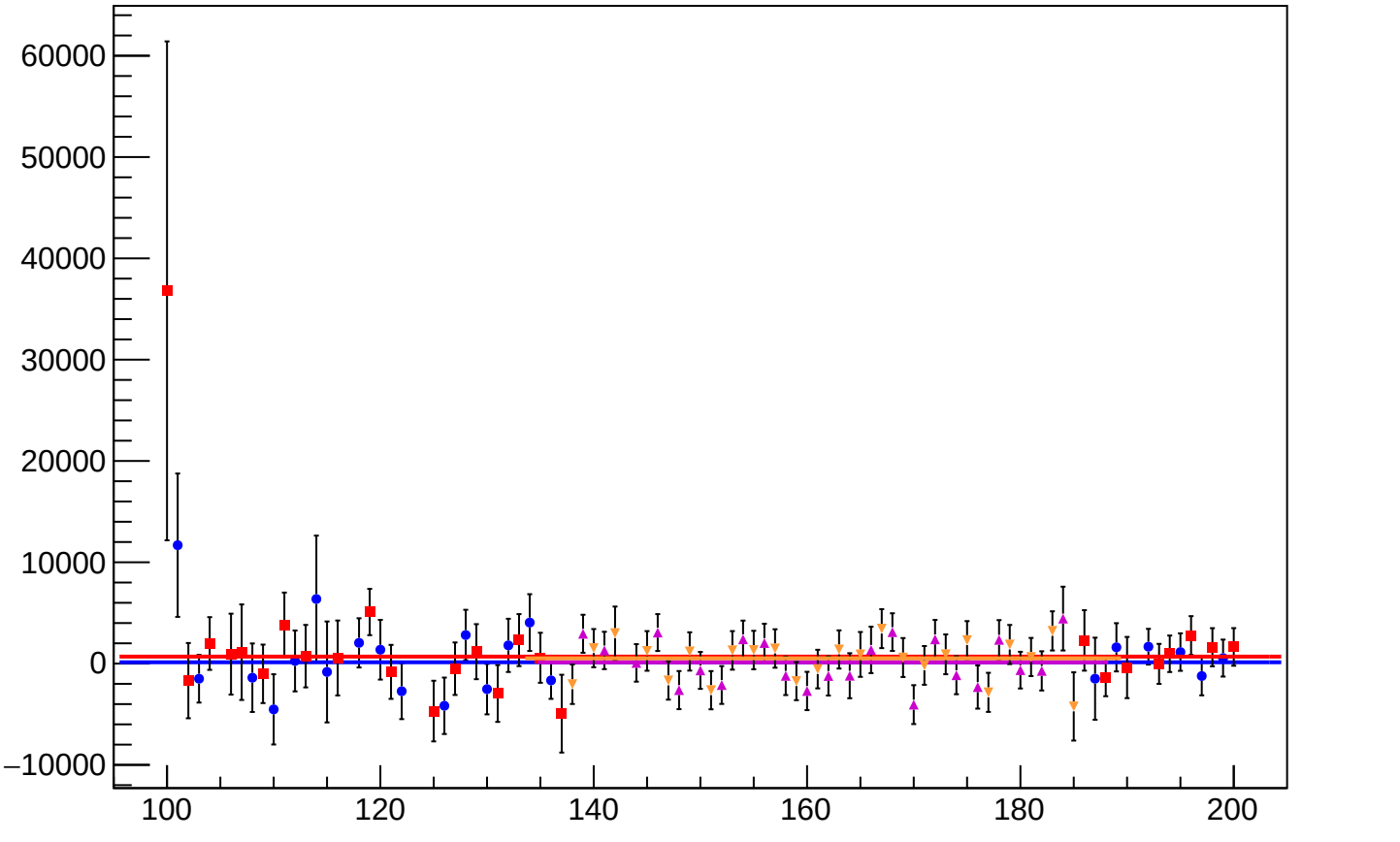
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1635.250+/-0.245 χ^2/NDF: 4272071.3/47

In: 1011.498+/-0.138 χ^2/NDF:5615738.4/44

Out: 1024.056+/-0.137 χ^2/NDF:7149482.6/49

All: 1017.816+/-0.097 χ^2/NDF: 12769390.7/9


cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
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30000
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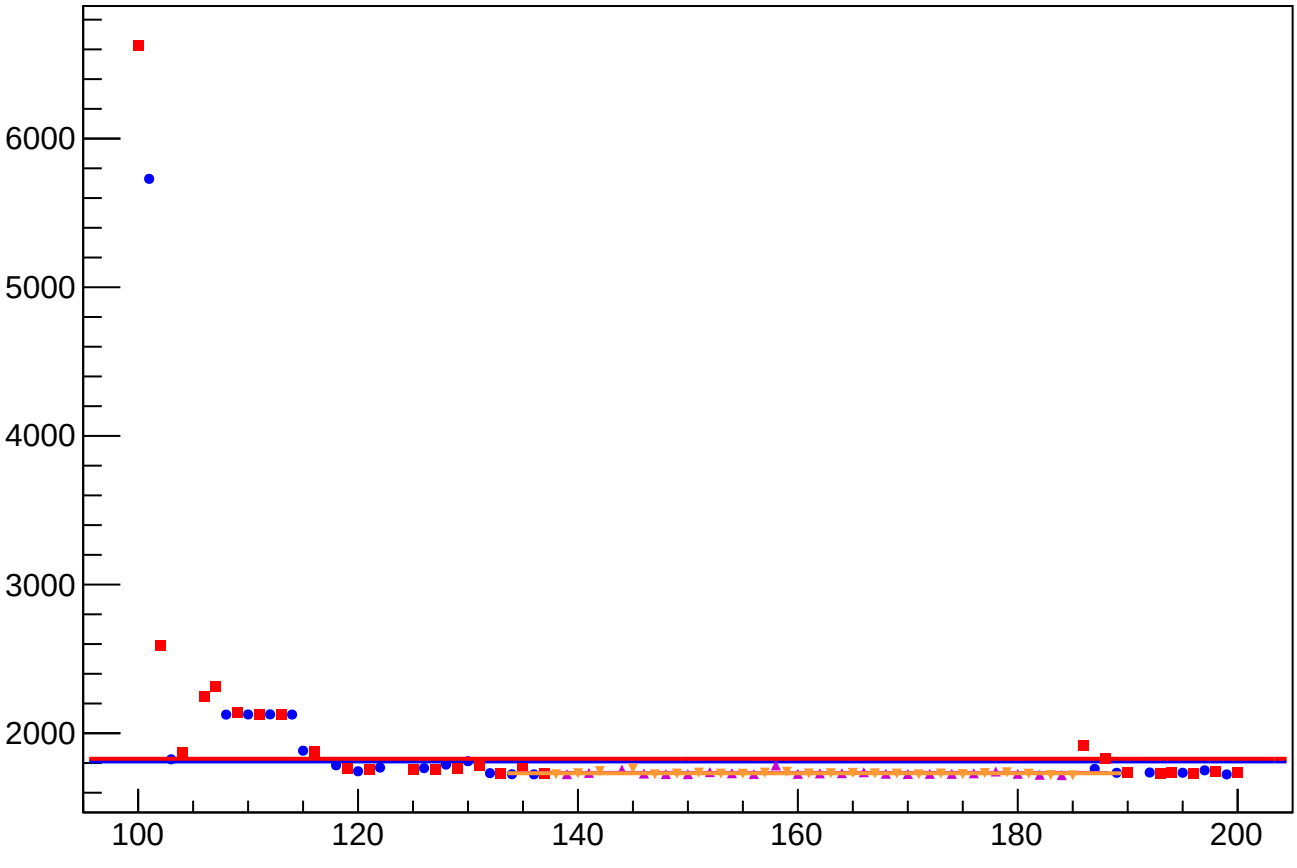
100
120
140
160
180
200
Right In: 129.177+/-541.083 χ²/NDF: 18.2/21
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 689.127+/-507.304 χ²/NDF: 19.3/25
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 427.174+/-370.084 χ²/NDF: 38.1/47
In: 127.198+/-324.044 χ²/NDF:47.7/44
Out: 585.151+/-314.928 χ²/NDF:40.2/49
All: 362.706+/-225.842 χ²/NDF: 88.9/94



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

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

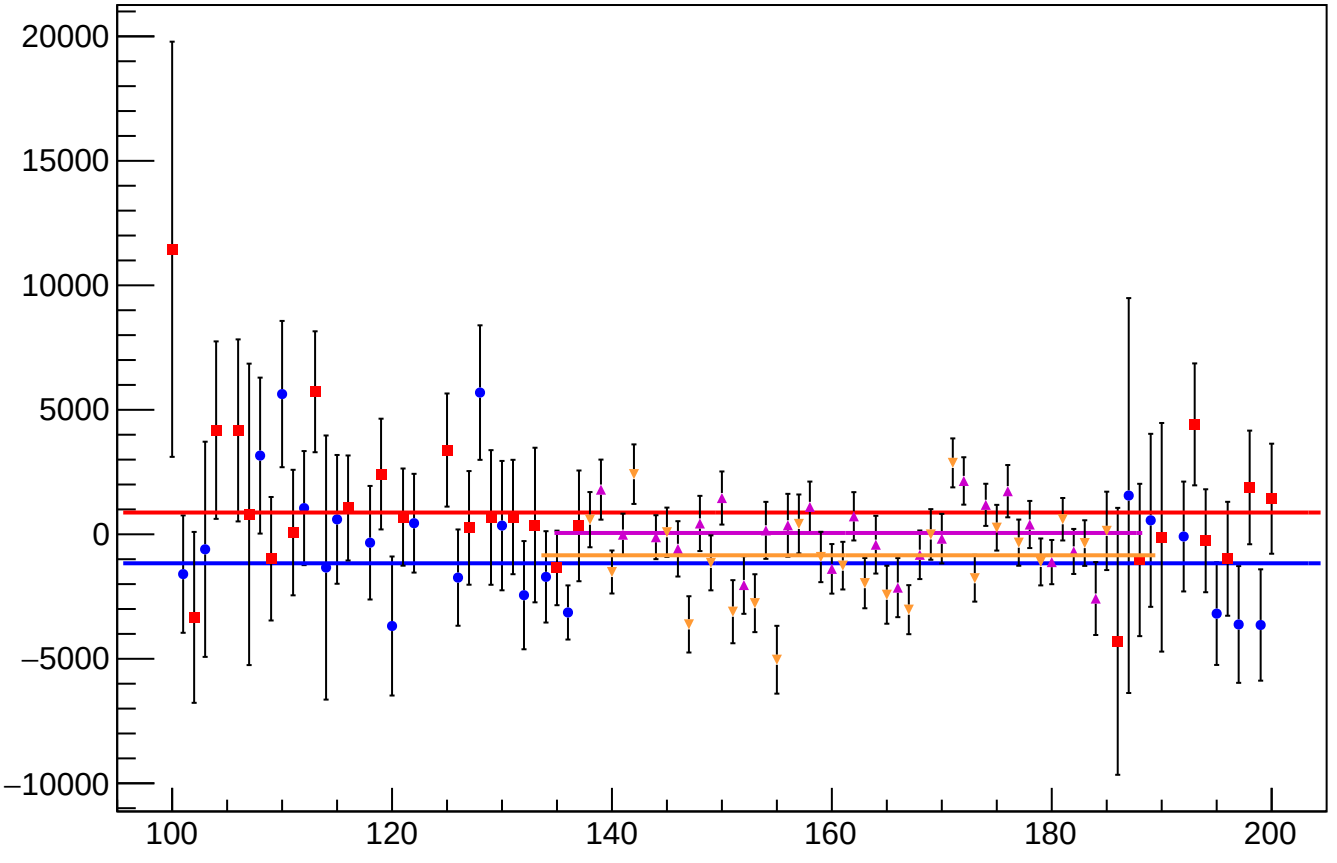
Right: 1819.928+/-0.262 χ^2/NDF: 1008841.3/47

In: 1760.795+/-0.229 χ^2/NDF:730326.3/44

Out: 1768.376+/-0.223 χ^2/NDF:352172.6/49

All: 1764.694+/-0.160 χ^2/NDF: 1083061.8/94

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

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

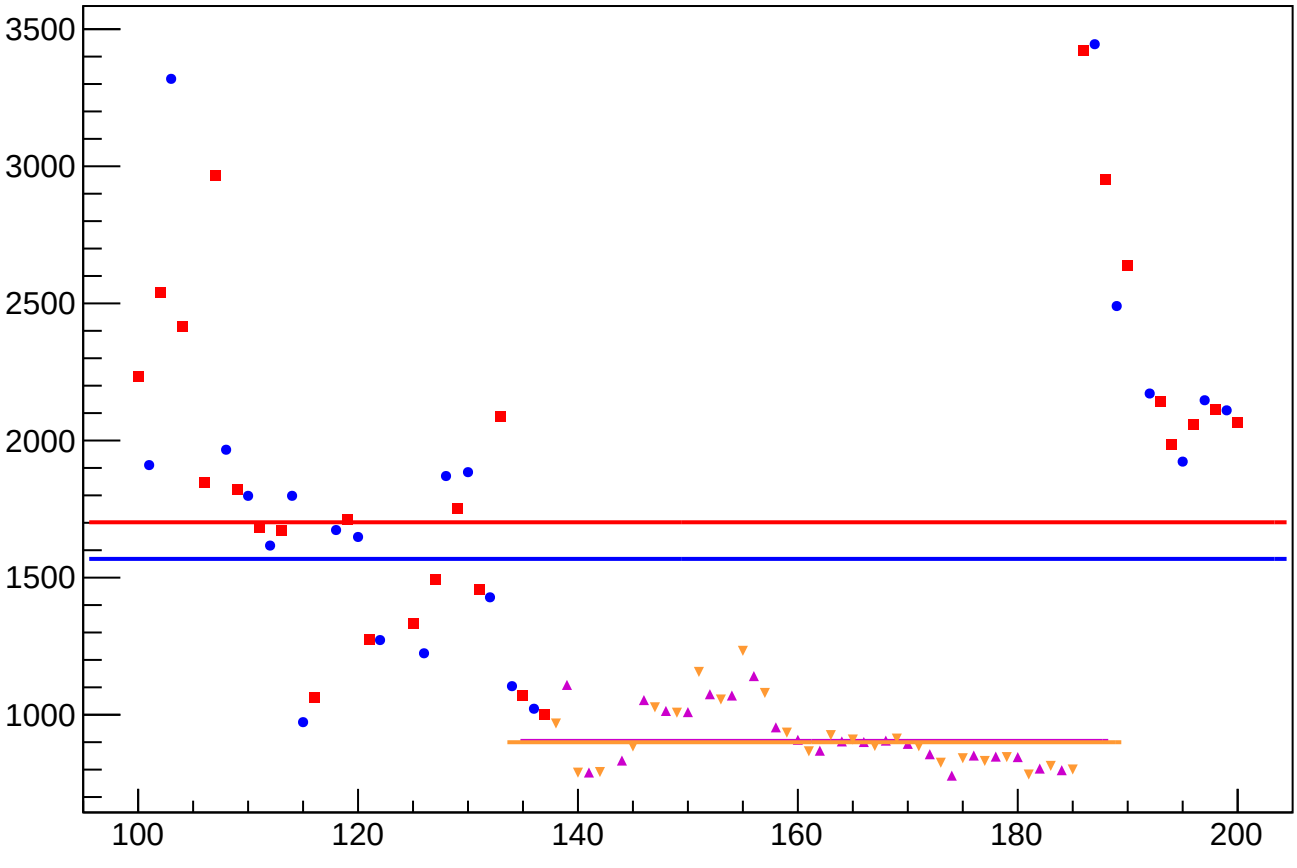
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -160.391+/-346.457 χ^2/NDF: 51.7/47

In: -142.105+/-195.072 χ^2/NDF:60.7/44

Out: -577.673+/-193.916 χ^2/NDF:91.1/49

All: -361.184+/-137.526 χ^2/NDF: 154.3/94



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

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

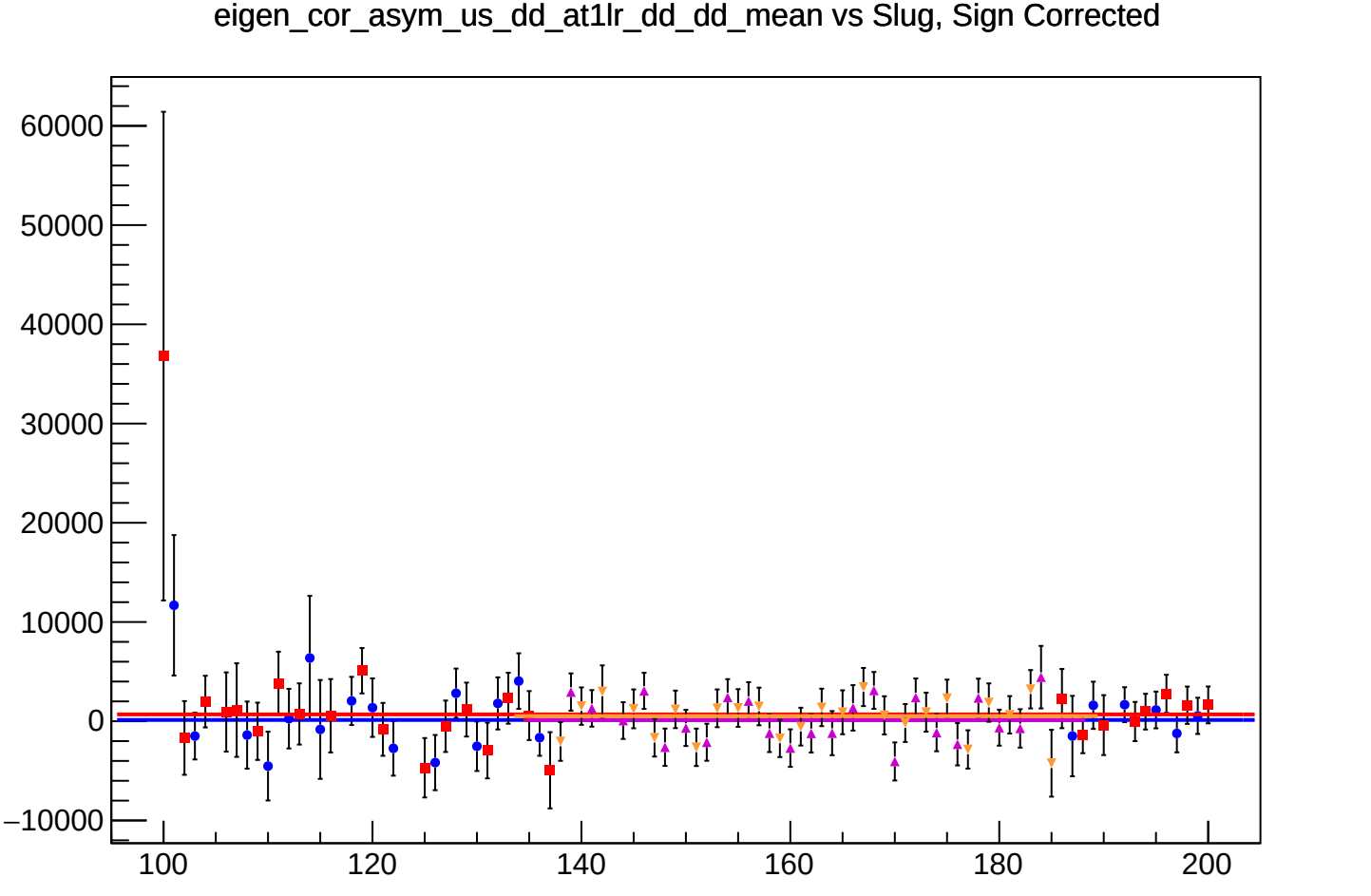
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1634.072+/-0.245 χ^2/NDF: 4264532.9/47

In: 1011.493+/-0.138 χ^2/NDF:5614886.2/44

Out: 1023.493+/-0.137 χ^2/NDF:7112272.9/49

All: 1017.528+/-0.097 χ^2/NDF: 12730965.6/9


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
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40000
30000
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10000
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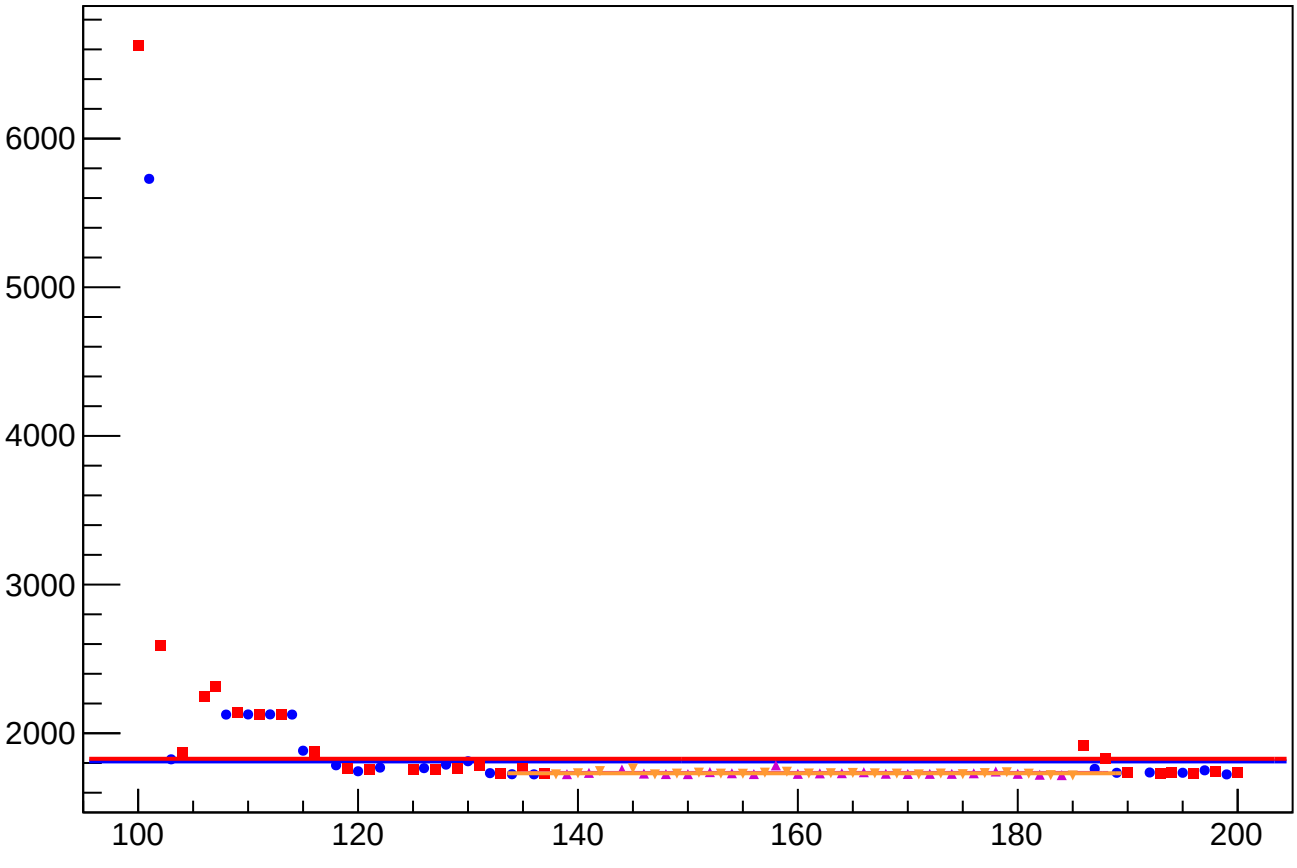
−10000
100
120
140
160
180
200
Right In: 129.177+/-541.083 χ²/NDF: 18.2/21
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 689.127+/-507.304 χ²/NDF: 19.3/25
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 427.174+/-370.084 χ²/NDF: 38.1/47
In: 127.198+/-324.044 χ²/NDF:47.7/44
Out: 585.151+/-314.928 χ²/NDF:40.2/49
All: 362.706+/-225.842 χ²/NDF: 88.9/94



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

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

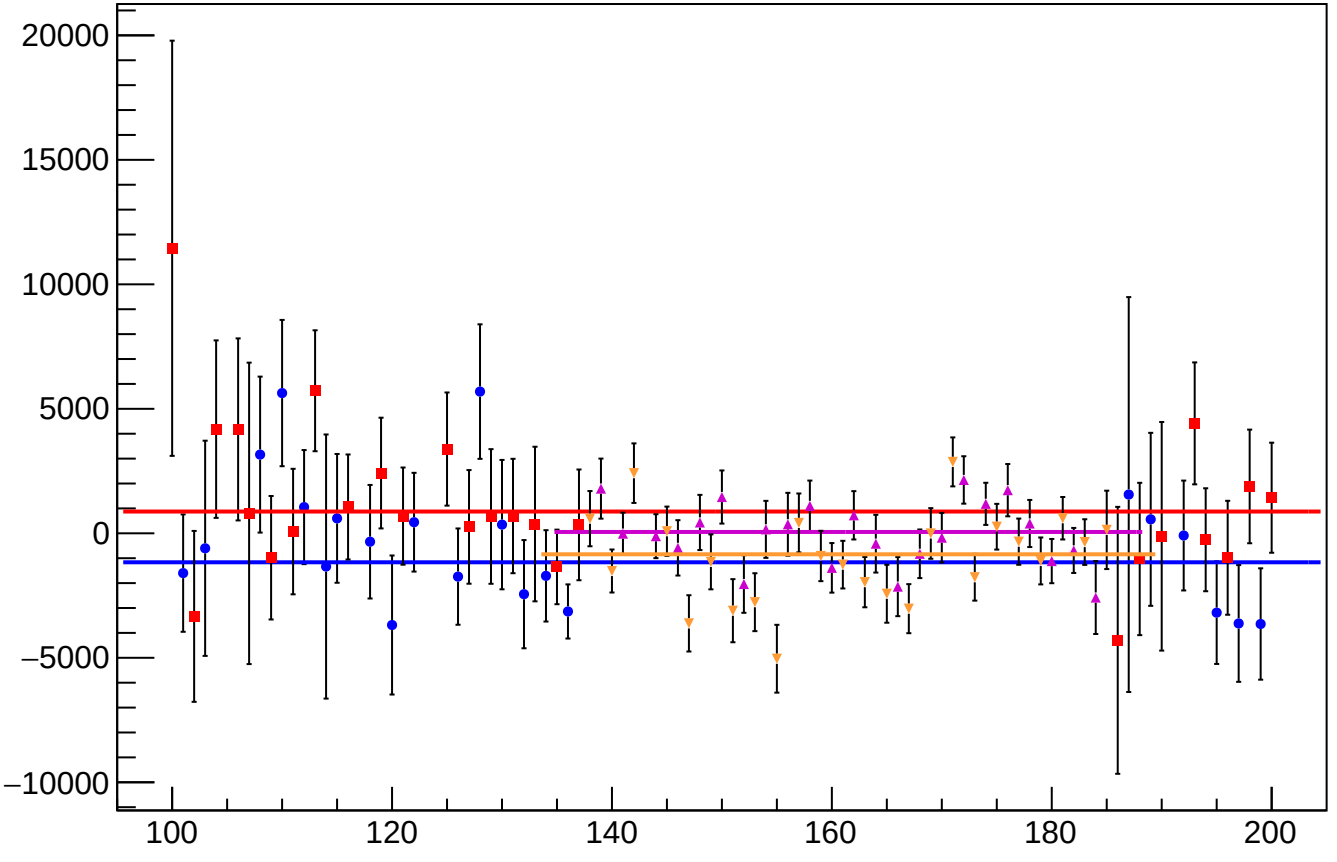
Right: 1819.928+/-0.262 χ^2/NDF: 1008841.3/47

In: 1760.795+/-0.229 χ^2/NDF:730326.3/44

Out: 1768.376+/-0.223 χ^2/NDF:352172.6/49

All: 1764.694+/-0.160 χ^2/NDF: 1083061.8/94

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

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

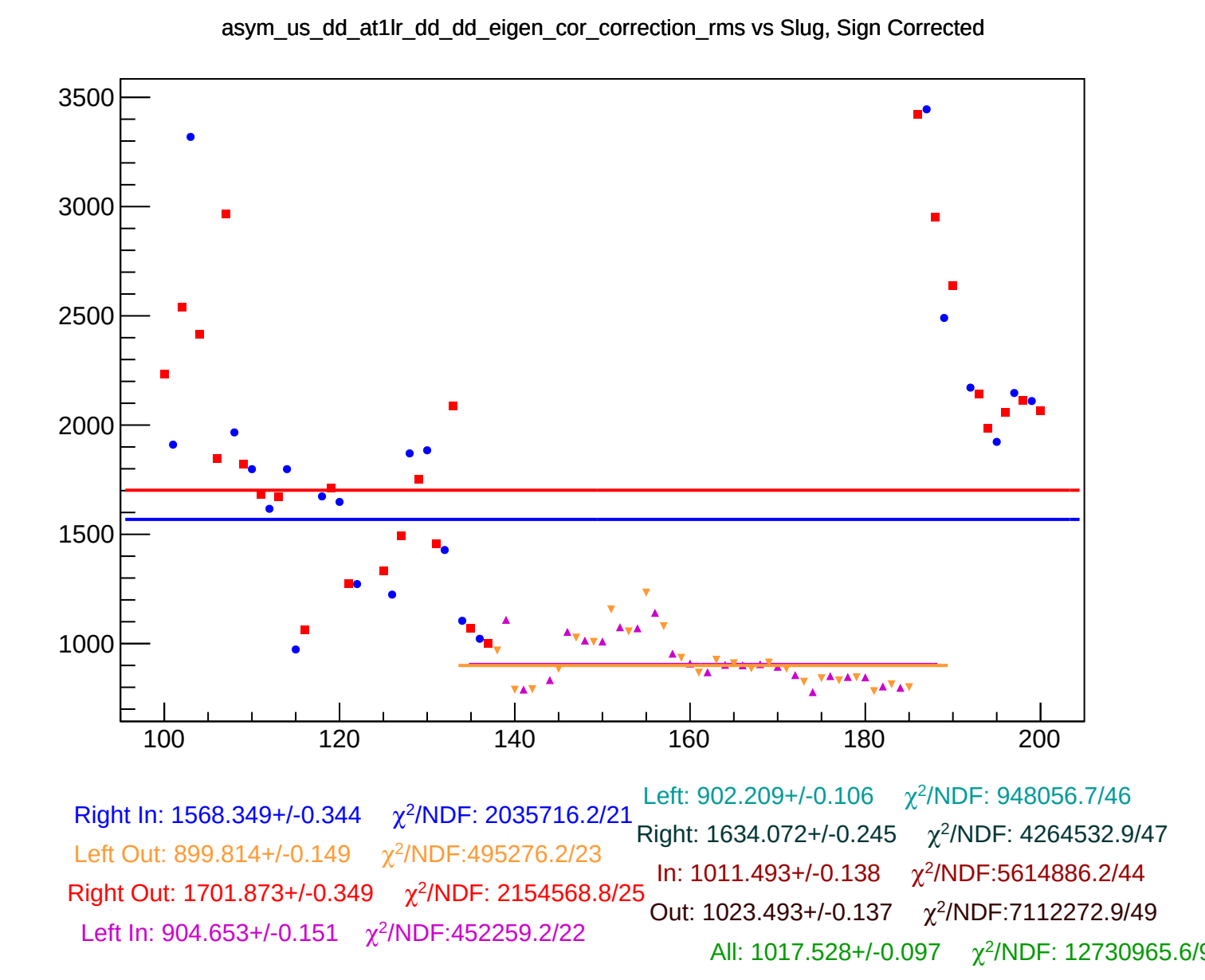
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -160.391+/-346.457 χ^2/NDF: 51.7/47

In: -142.105+/-195.072 χ^2/NDF:60.7/44

Out: -577.673+/-193.916 χ^2/NDF:91.1/49

All: -361.184+/-137.526 χ^2/NDF: 154.3/94


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
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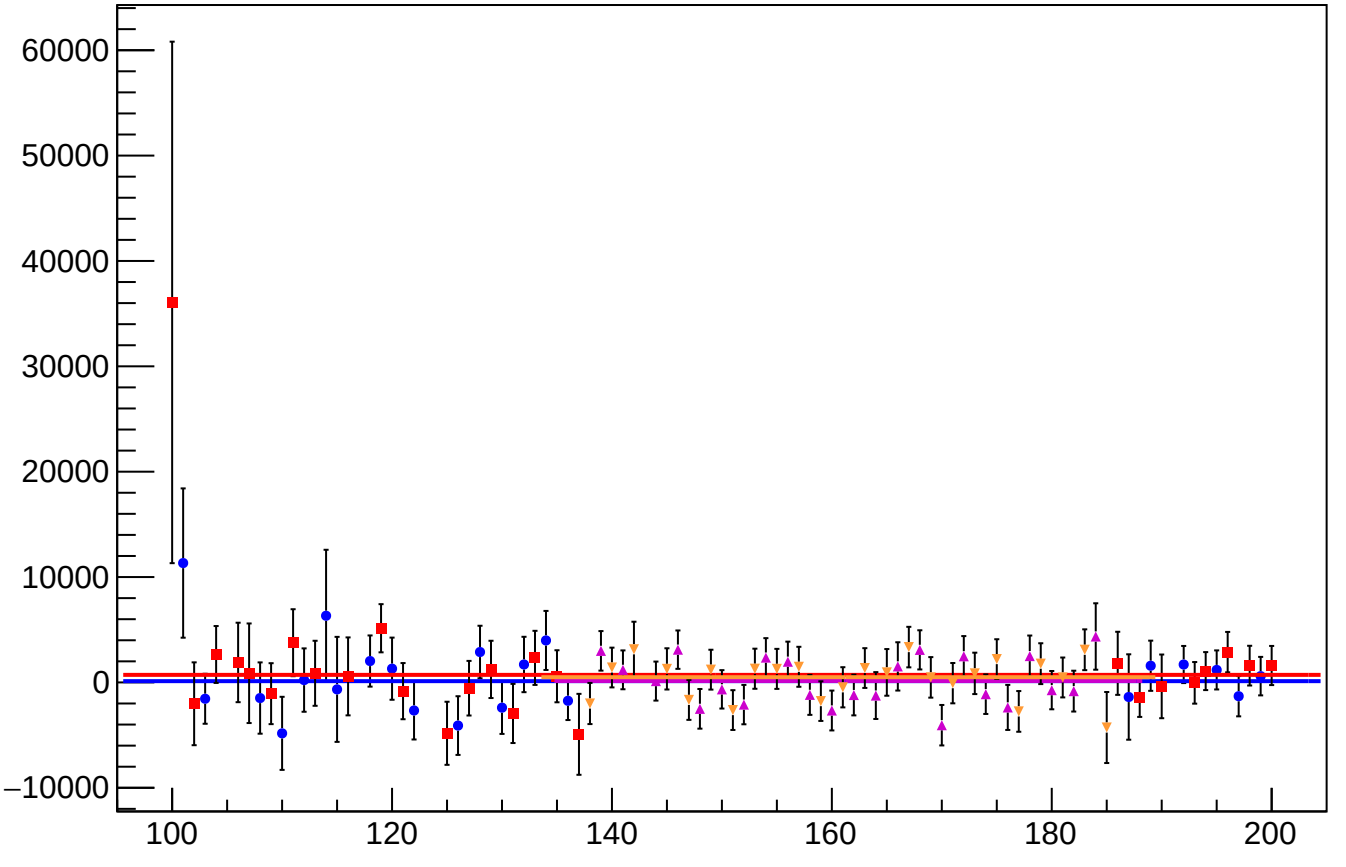
180
200
Right In: 1568.349+/-0.344 χ²/NDF: 2035716.2/21
Left Out: 899.814+/-0.149 χ²/NDF:495276.2/23
Right Out: 1701.873+/-0.349 χ²/NDF: 2154568.8/25
Left In: 904.653+/-0.151 χ²/NDF:452259.2/22
Left: 902.209+/-0.106 χ²/NDF: 948056.7/46
Right: 1634.072+/-0.245 χ²/NDF: 4264532.9/47
In: 1011.493+/-0.138 χ²/NDF:5614886.2/44
Out: 1023.493+/-0.137 χ²/NDF:7112272.9/49
All: 1017.528+/-0.097 χ²/NDF: 12730965.6/9



Right In: 119.713+/-541.752 χ^2/NDF: 18.2/21

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

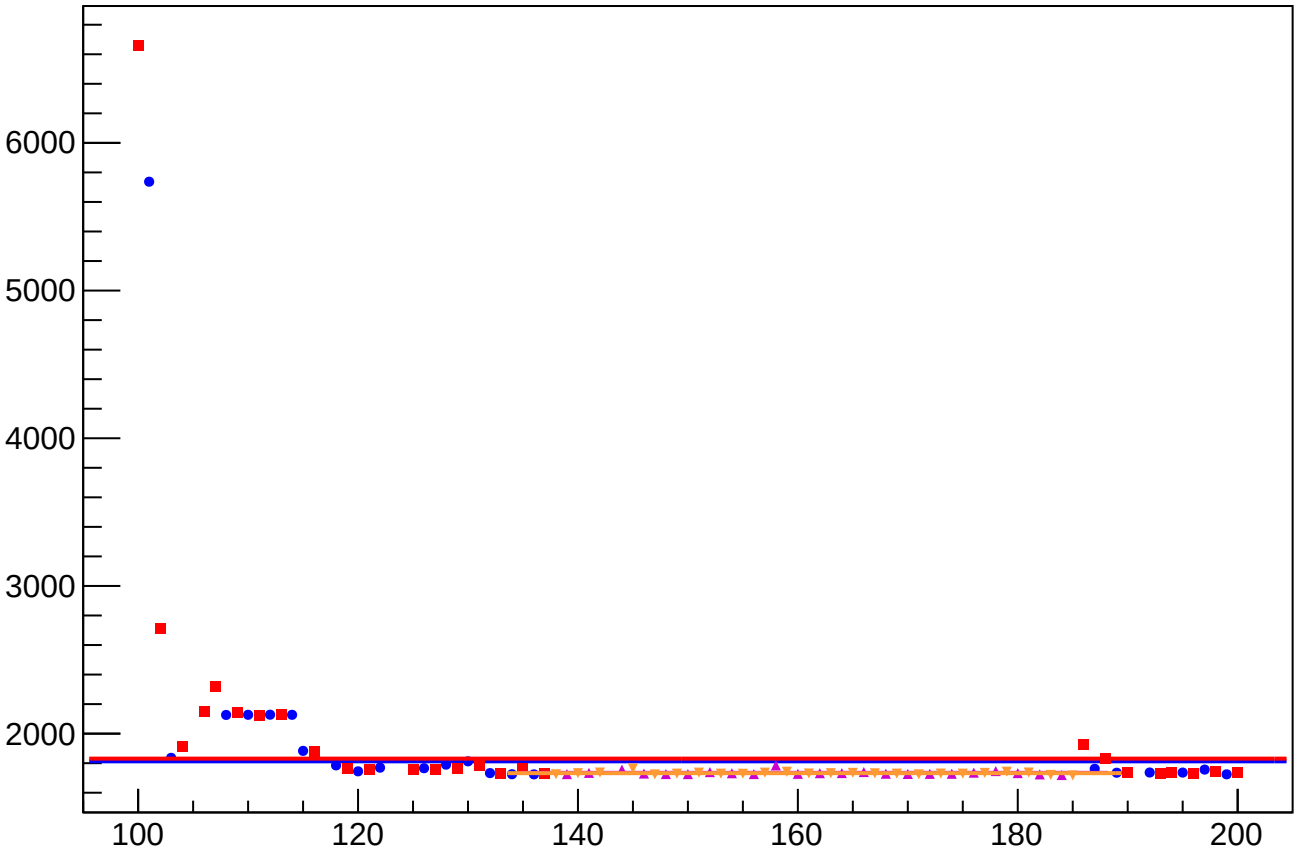
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 436.984+/-370.756 χ^2/NDF: 38.8/47

In: 130.907+/-324.374 χ^2/NDF:47.7/44

Out: 580.144+/-315.386 χ^2/NDF:40.1/49

All: 361.836+/-226.122 χ^2/NDF: 88.8/94



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

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

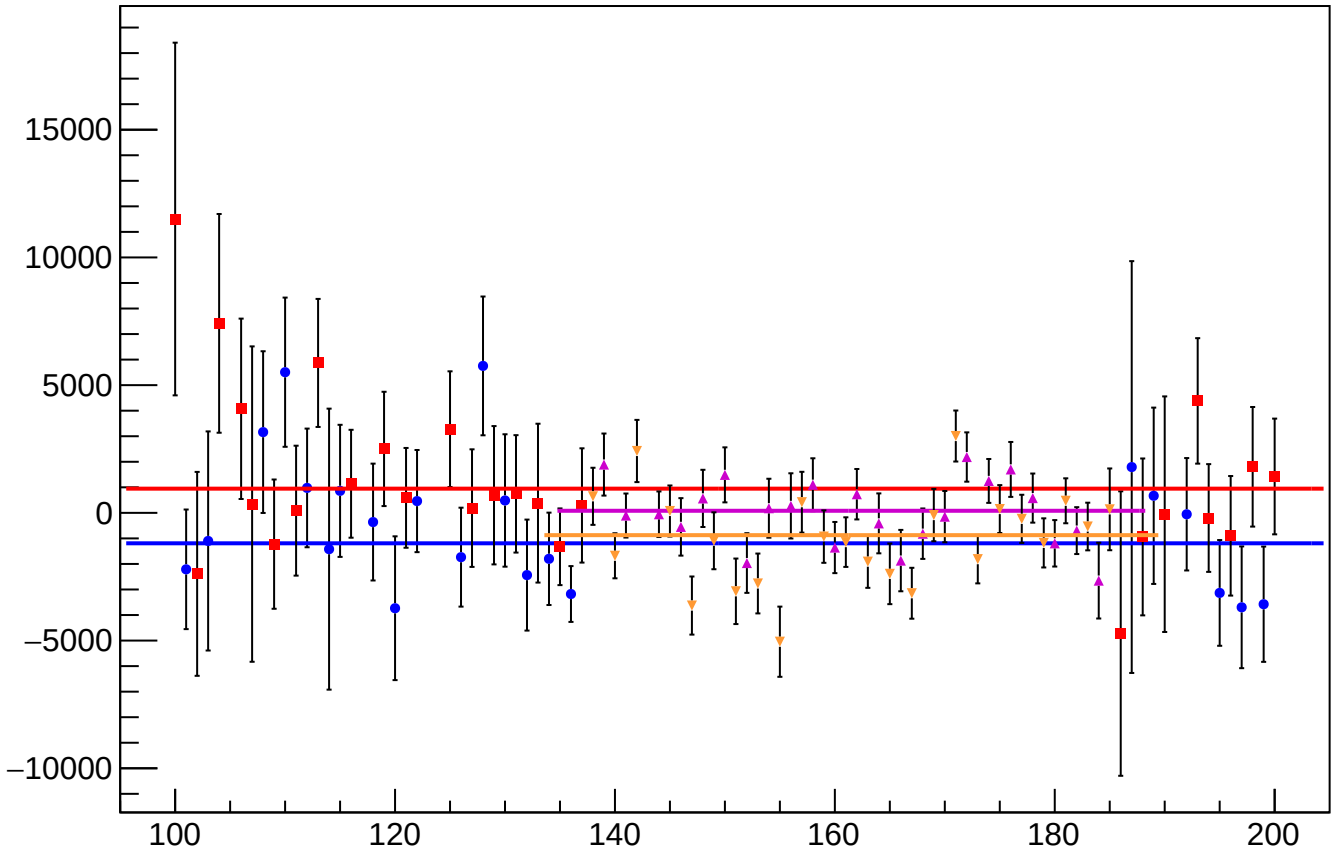
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

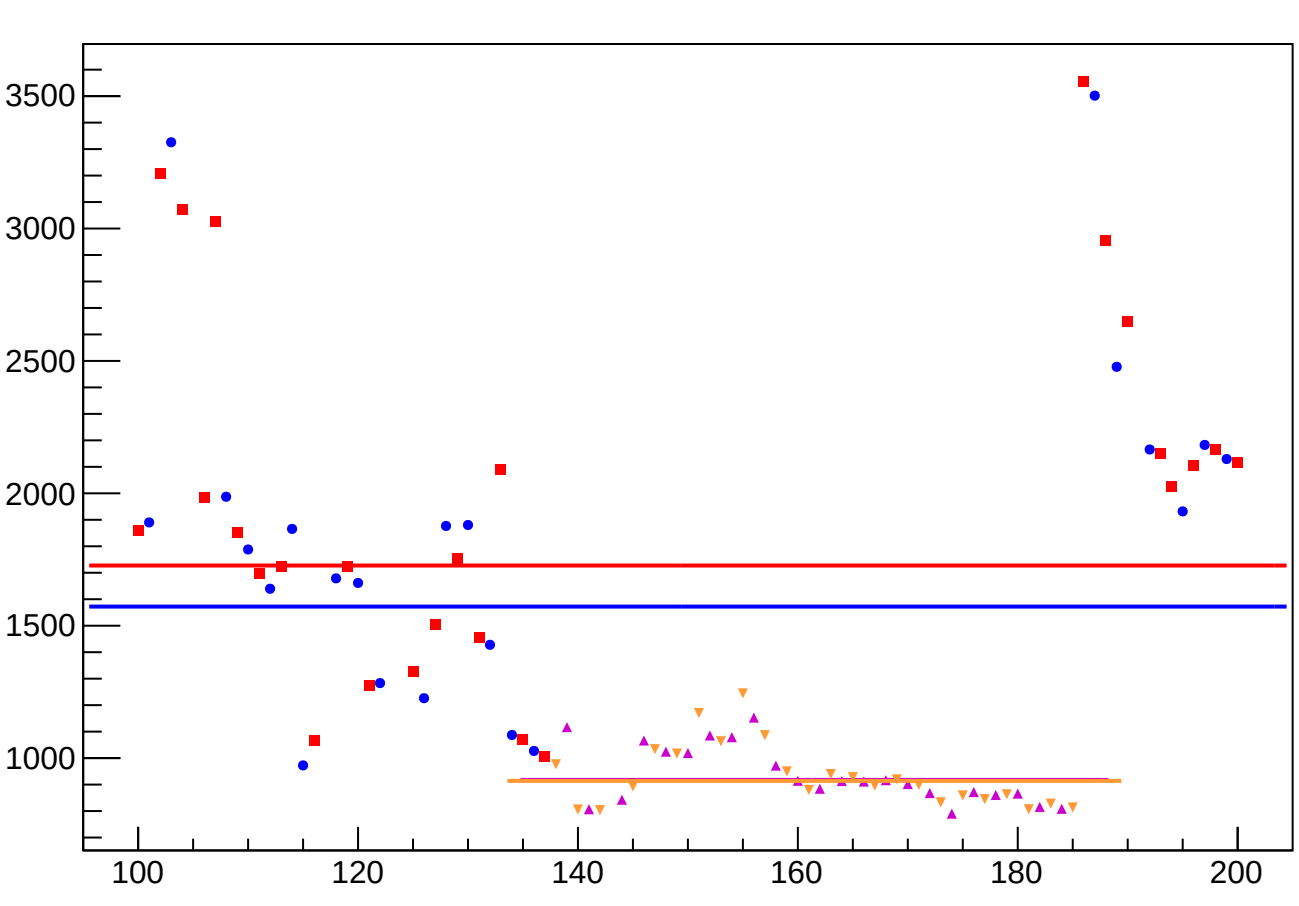
Right: 1822.263+/-0.262 χ^2/NDF: 1019460.2/47

In: 1762.523+/-0.229 χ^2/NDF:730730.4/44

Out: 1770.258+/-0.223 χ^2/NDF:363343.1/49

All: 1766.499+/-0.160 χ^2/NDF: 1094658.2/94


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1191.745+/-487.523 χ²/NDF: 25.0/21
Left Out: -872.827+/-214.008 χ²/NDF:62.0/23
Right Out: 947.651+/-500.444 χ²/NDF: 19.5/25
Left In: 81.519+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: -150.020+/-349.209 χ²/NDF: 53.9/47
In: -127.268+/-197.419 χ²/NDF:60.7/44
Out: -591.381+/-196.771 χ²/NDF:92.6/49
All: -360.087+/-139.366 χ²/NDF: 156.1/94



Right In: 1572.257+/-0.345 χ^2/NDF: 2058663.6/21

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

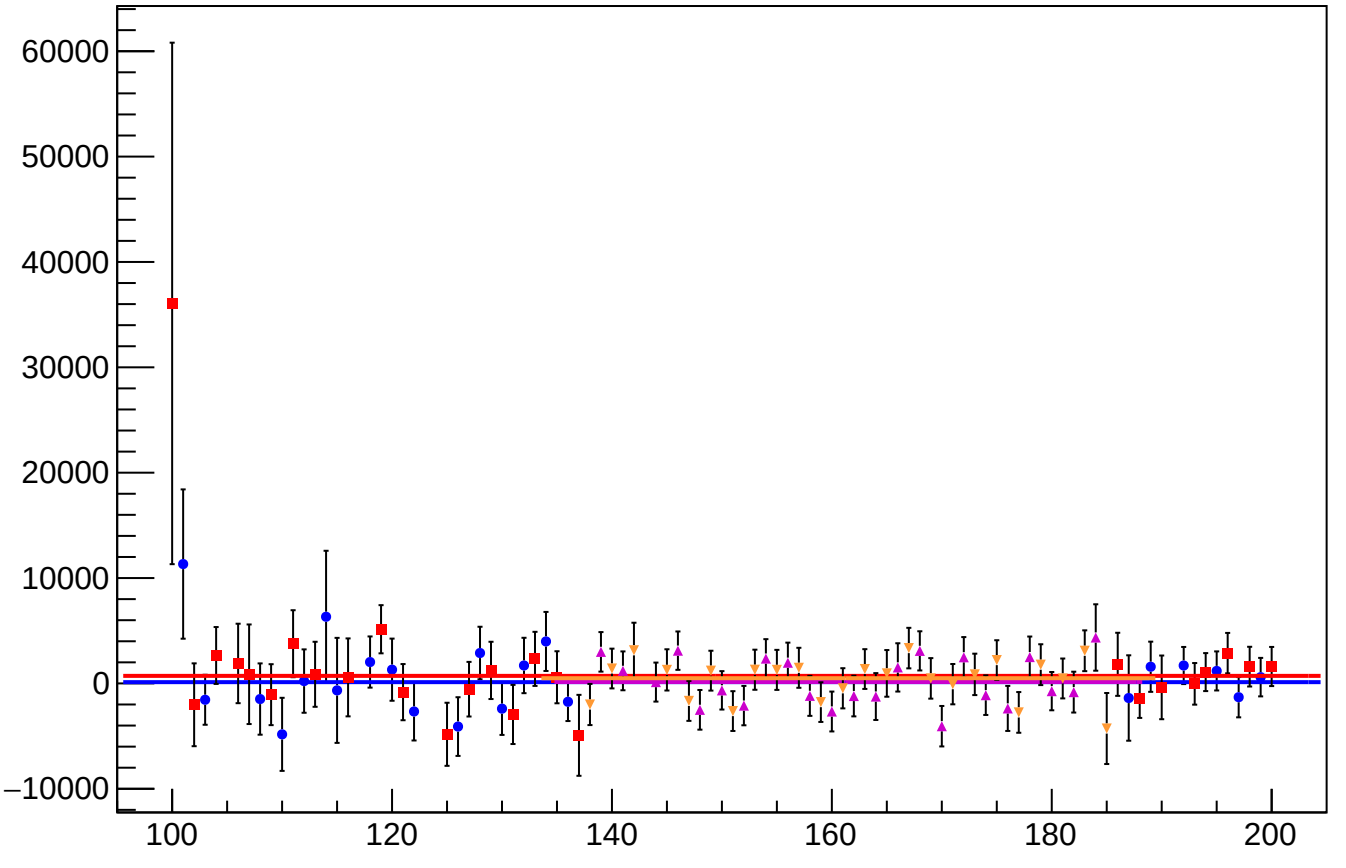
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1647.741+/-0.247 χ^2/NDF: 4660304.6/47

In: 1025.011+/-0.140 χ^2/NDF:5503460.6/44

Out: 1039.647+/-0.139 χ^2/NDF:7432535.6/49

All: 1032.353+/-0.099 χ^2/NDF: 12941510.7/9



Right In: 119.715+/-541.752 χ^2/NDF: 18.2/21

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

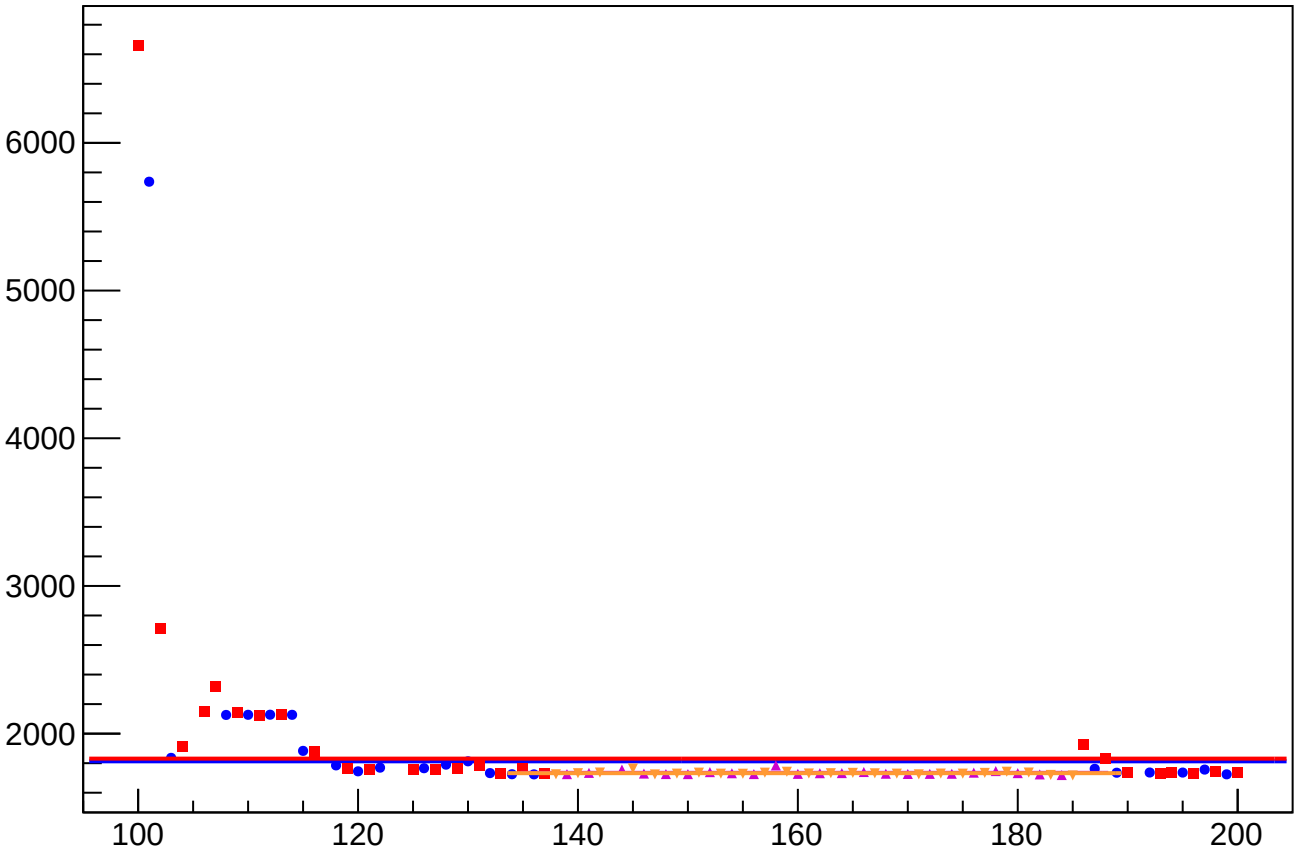
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 436.984+/-370.756 χ^2/NDF: 38.8/47

In: 130.908+/-324.374 χ^2/NDF:47.7/44

Out: 580.143+/-315.386 χ^2/NDF:40.1/49

All: 361.836+/-226.122 χ^2/NDF: 88.8/94



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

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

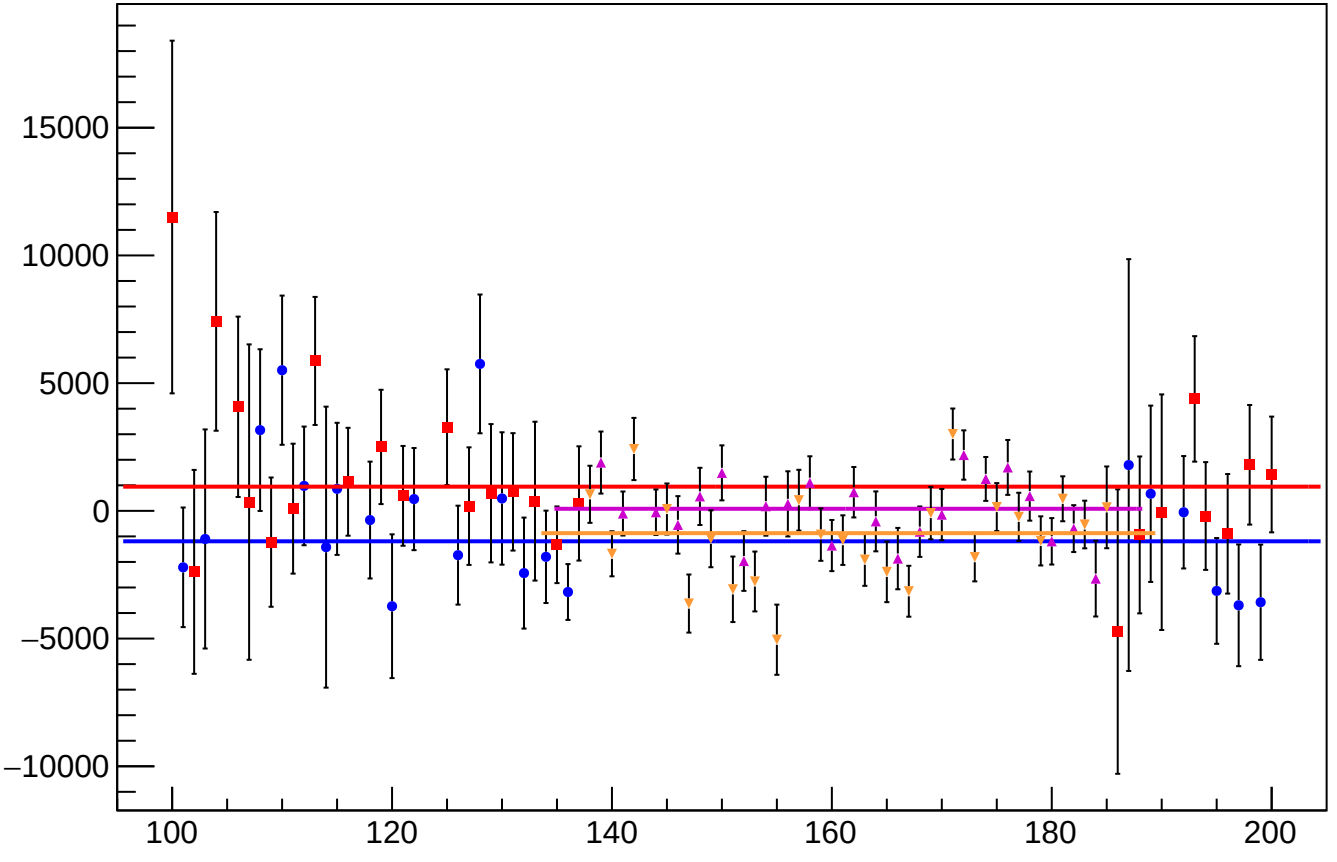
Right: 1822.263+/-0.262 χ^2/NDF: 1019459.9/47

In: 1762.523+/-0.229 χ^2/NDF:730730.4/44

Out: 1770.258+/-0.223 χ^2/NDF:363342.8/49

All: 1766.499+/-0.160 χ^2/NDF: 1094657.9/94

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1191.739+/-487.522 χ^2/NDF: 25.0/21

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

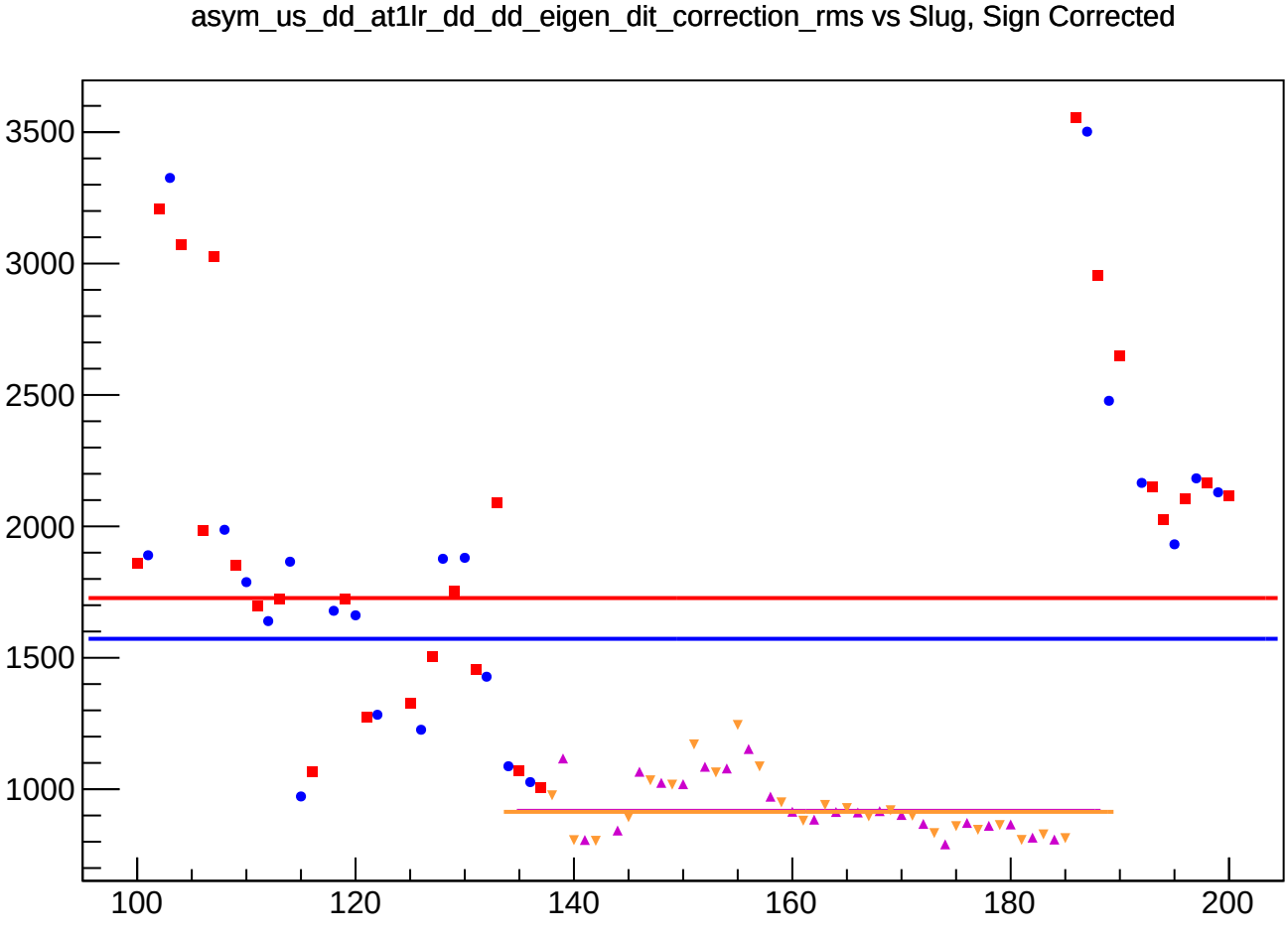
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -150.018+/-349.209 χ^2/NDF: 53.9/47

In: -127.269+/-197.419 χ^2/NDF:60.7/44

Out: -591.379+/-196.771 χ^2/NDF:92.6/49

All: -360.087+/-139.366 χ^2/NDF: 156.1/94



Right In: 1572.254+/-0.345 χ^2/NDF: 2058668.6/21

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

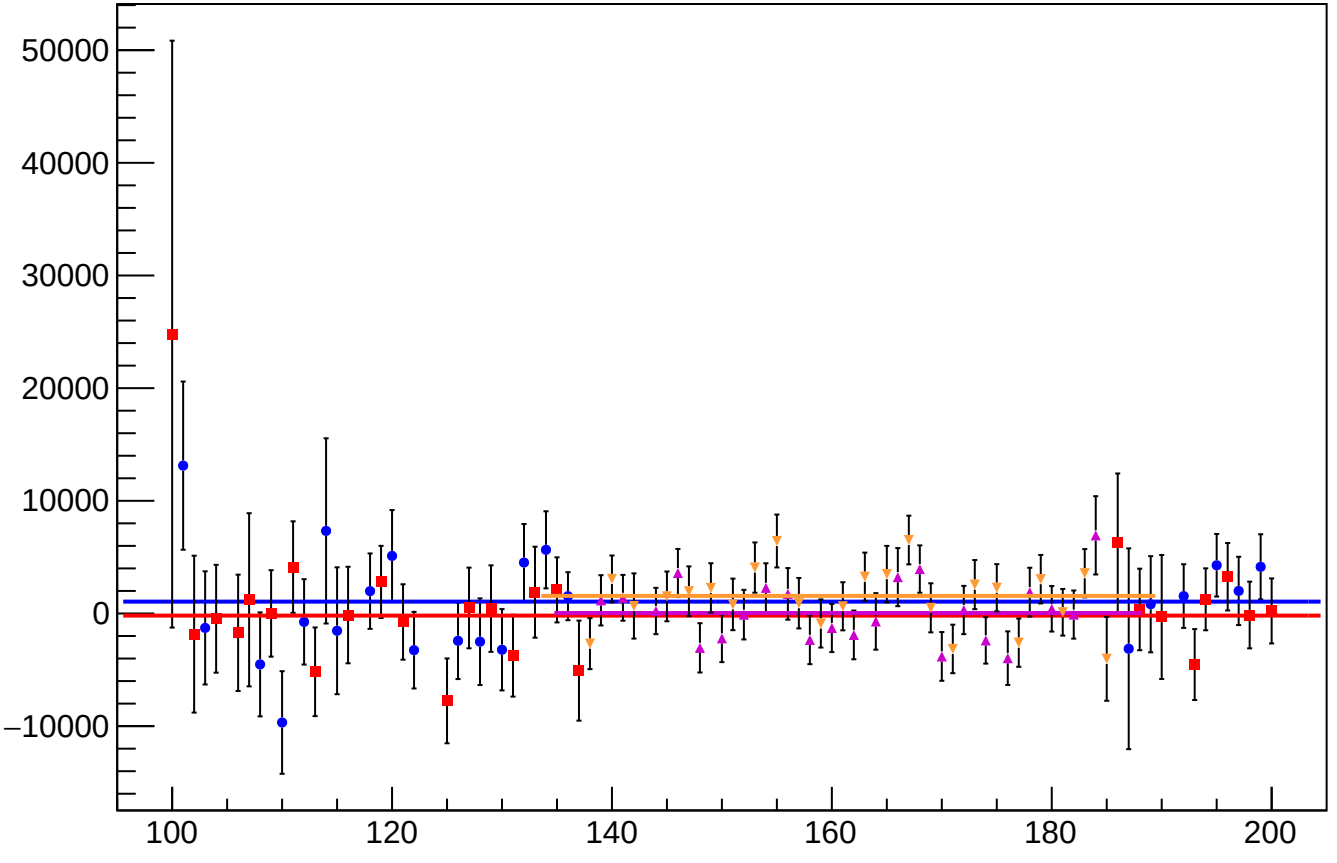
Right: 1647.738+/-0.247 χ^2/NDF: 4660319.6/47

In: 1025.011+/-0.140 χ^2/NDF:5503460.5/44

Out: 1039.647+/-0.139 χ^2/NDF:7432539.4/49

All: 1032.353+/-0.099 χ^2/NDF: 12941514.6/9

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 1052.033+/-772.033 χ^2/NDF: 22.6/21

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

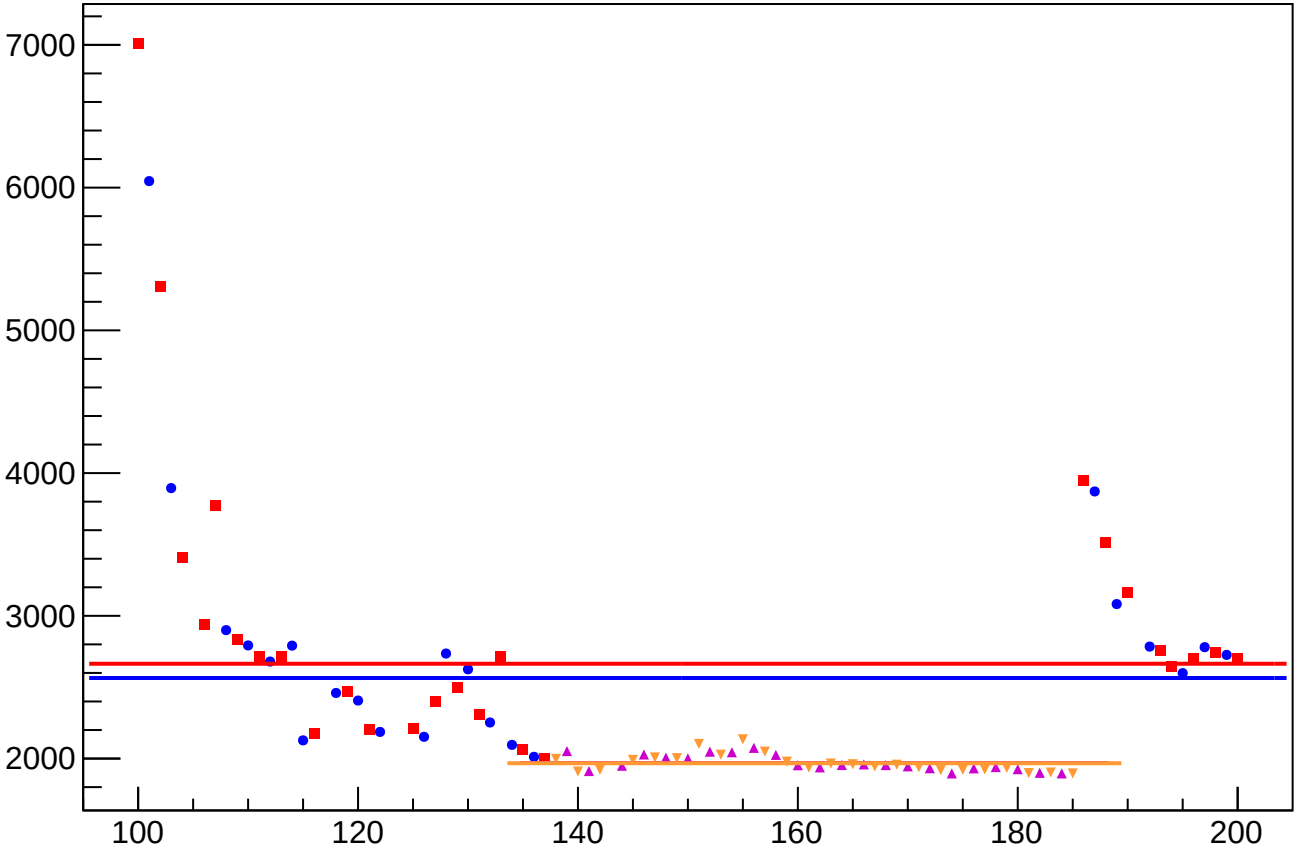
Right: 410.737+/-536.784 χ^2/NDF: 40.5/47

In: 305.014+/-395.132 χ^2/NDF:51.6/44

Out: 1084.585+/-389.739 χ^2/NDF:51.8/49

All: 700.156+/-277.474 χ^2/NDF: 105.4/94

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2564.531+/-0.546 χ^2/NDF: 959611.6/21

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

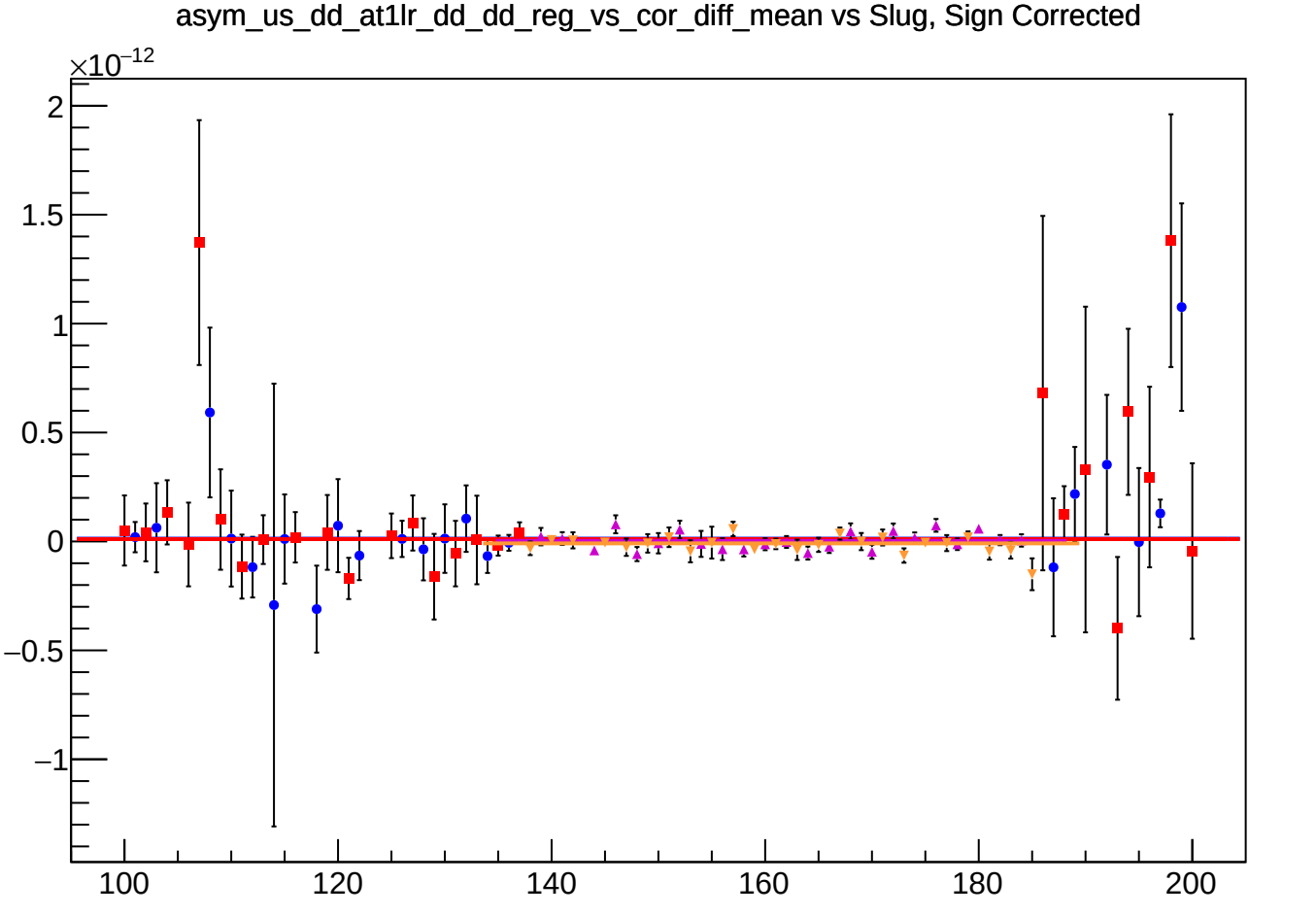
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2616.106+/-0.380 χ^2/NDF: 1903217.3/47

In: 2125.014+/-0.279 χ^2/NDF:1864391.9/44

Out: 2157.213+/-0.276 χ^2/NDF:2227954.5/49

All: 2141.335+/-0.196 χ^2/NDF: 4099078.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/21

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

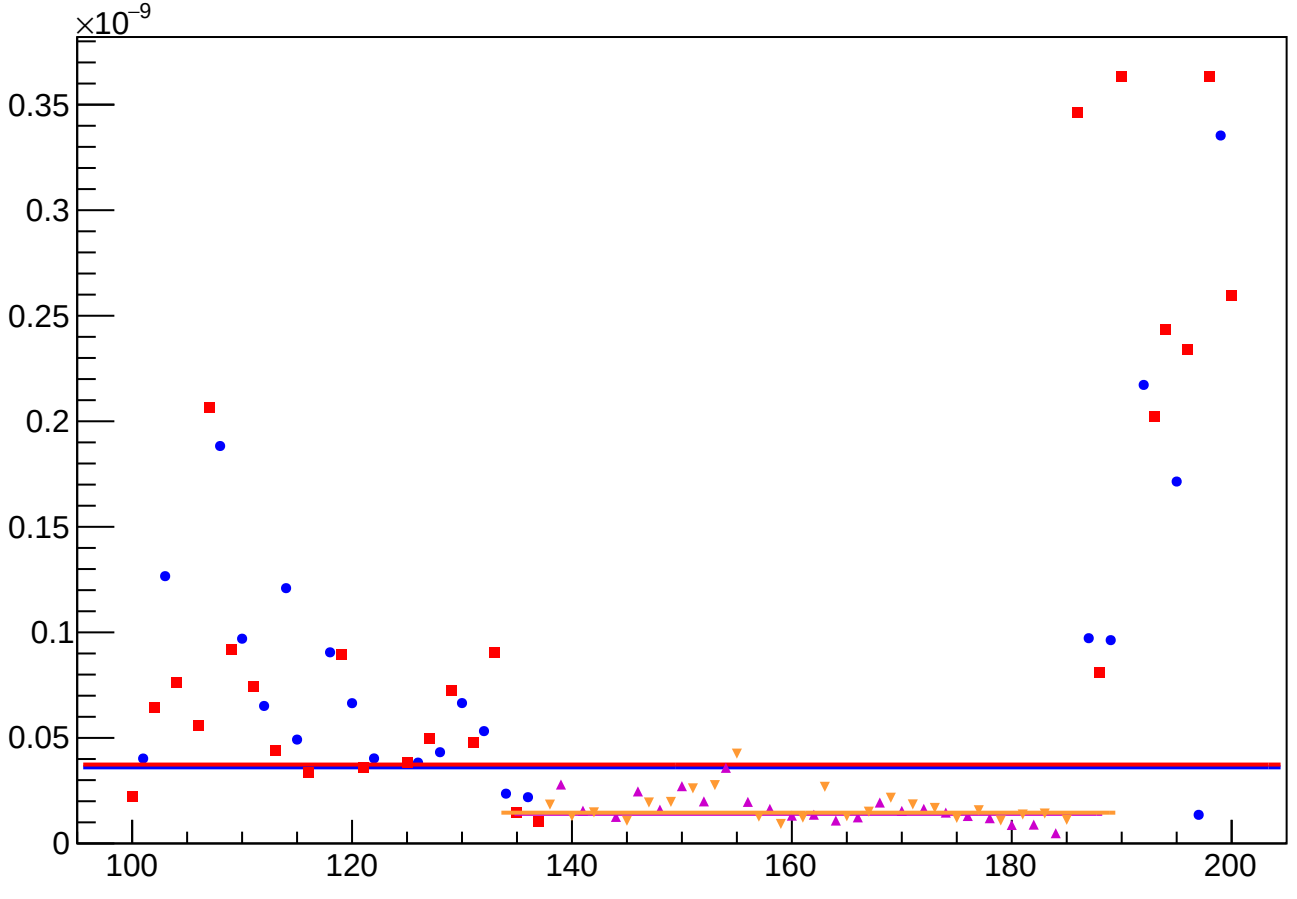
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 43.7/47

In: 0.000+/-0.000 χ^2/NDF:57.9/44

Out: -0.000+/-0.000 χ^2/NDF:46.3/49

All: -0.000+/-0.000 χ^2/NDF: 105.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 3848419.6/21

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

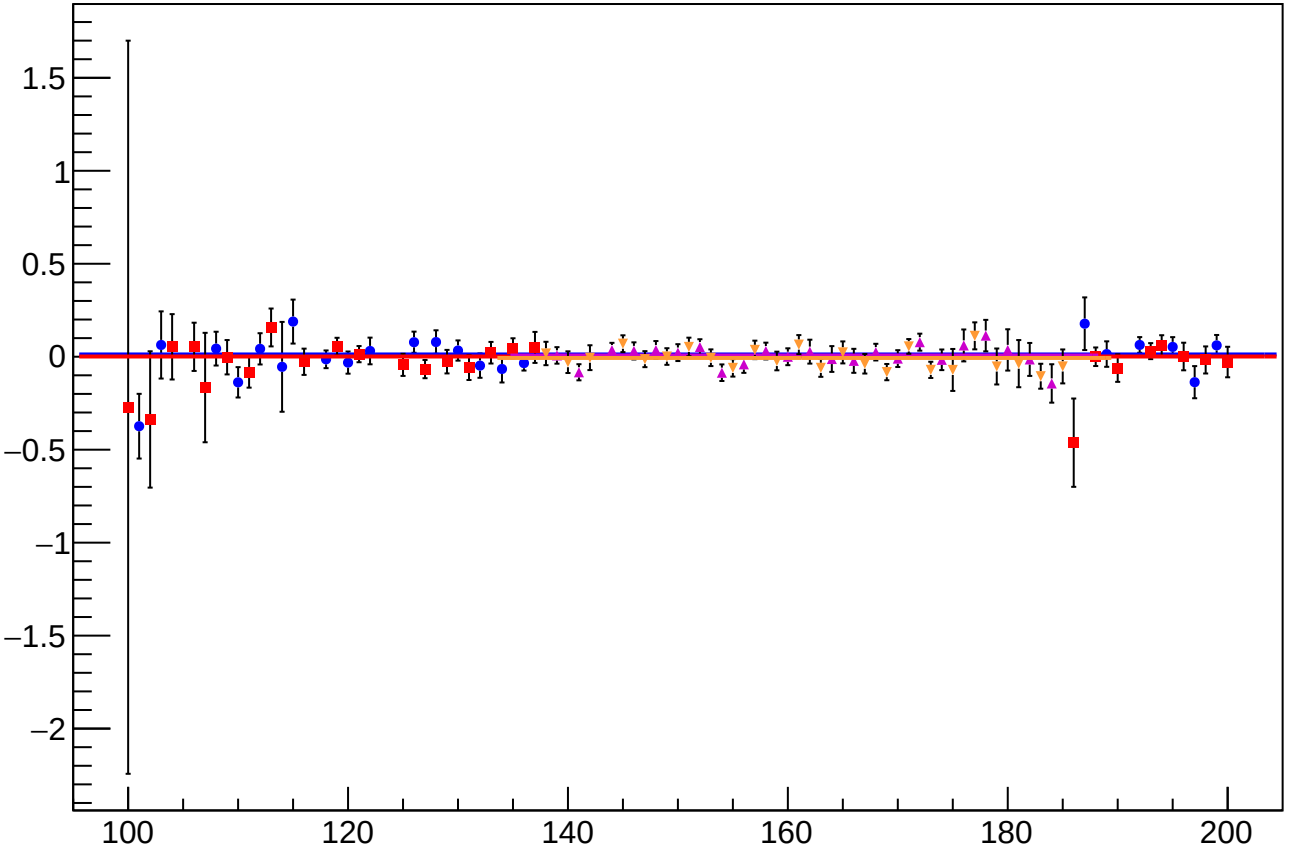
Right: 0.000+/-0.000 χ^2/NDF: 9718005.1/47

In: 0.000+/-0.000 χ^2/NDF:7046286.2/44

Out: 0.000+/-0.000 χ^2/NDF:8764822.4/49

All: 0.000+/-0.000 χ^2/NDF: 15818397.7/94

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

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

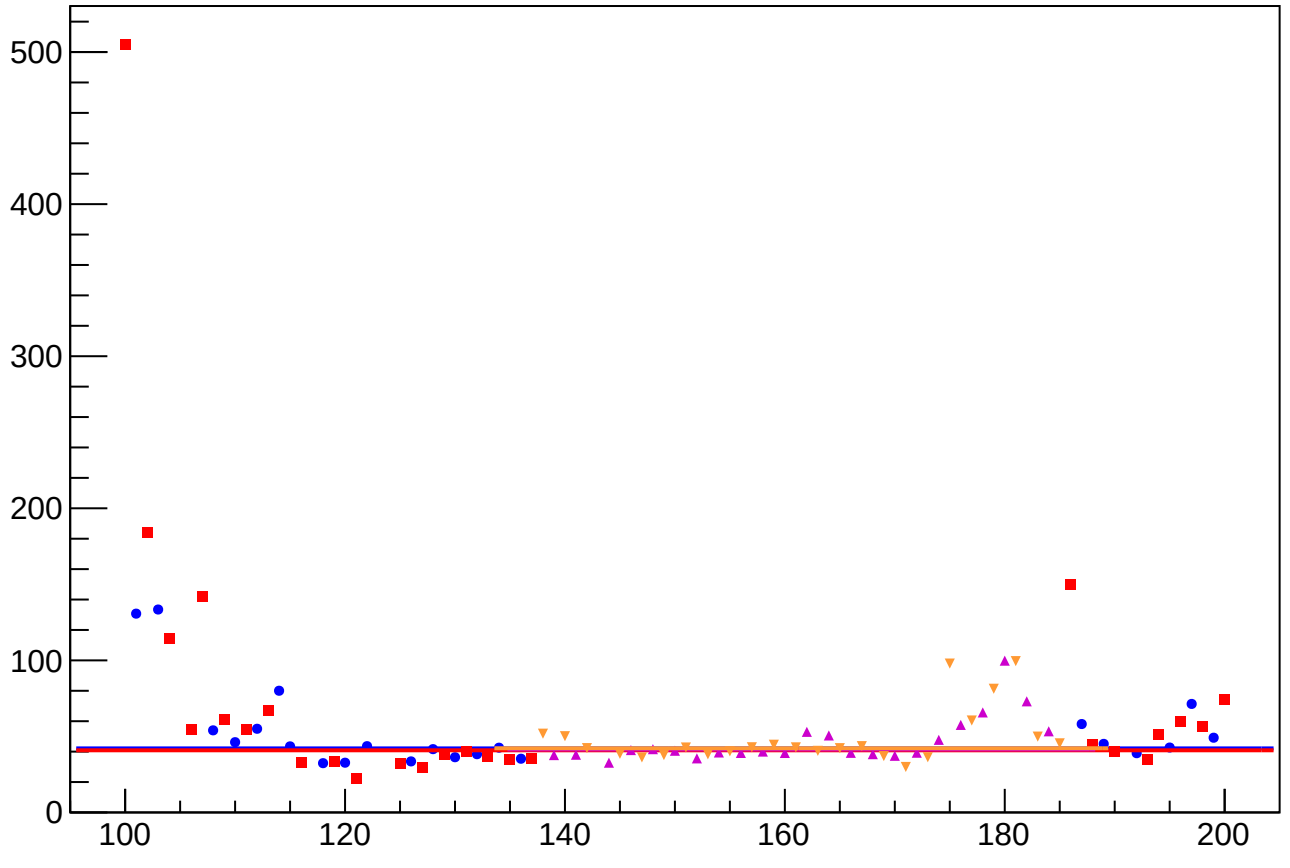
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.006+/-0.010 χ^2/NDF: 42.4/47

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.002+/-0.006 χ^2/NDF: 87.4/94



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

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

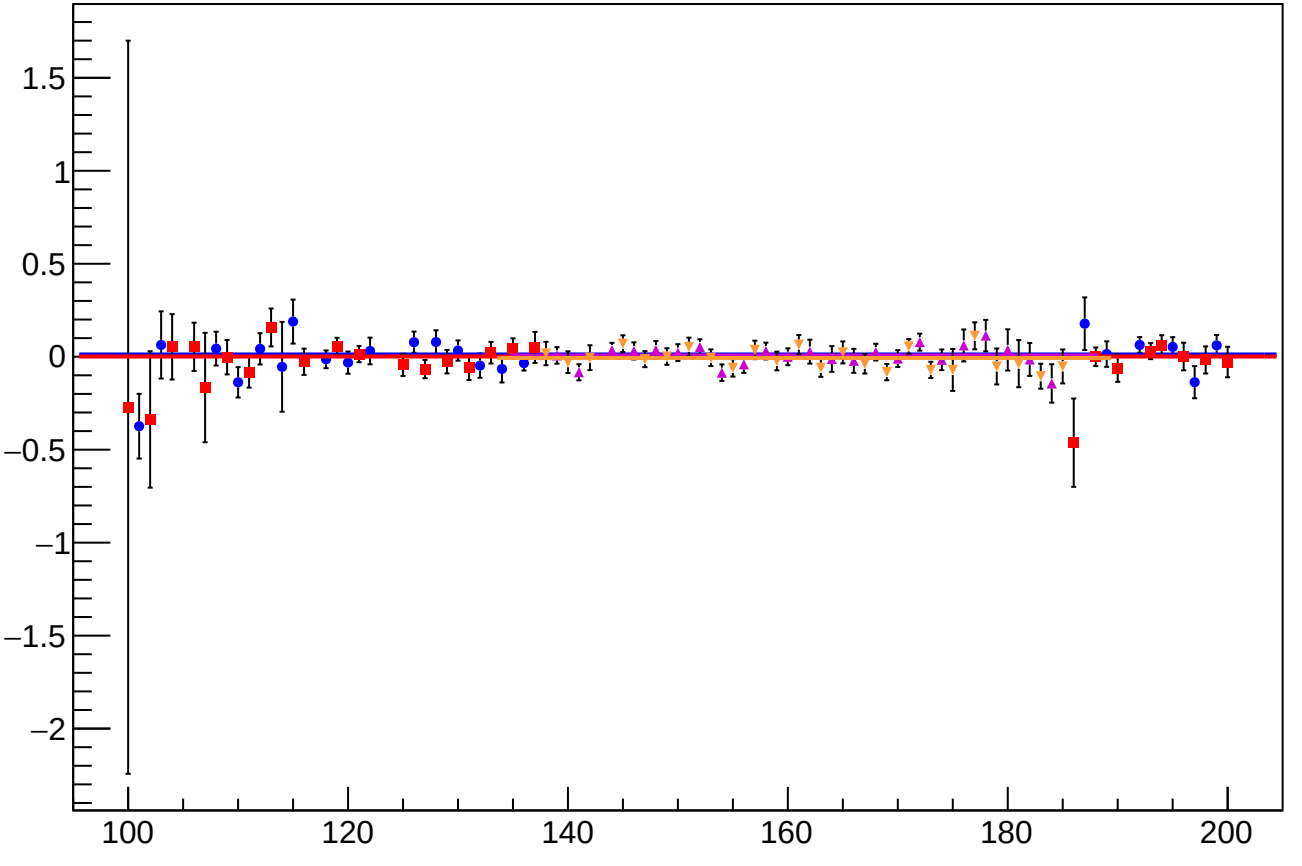
Right: 41.467+/-0.007 χ^2/NDF: 4783244.2/47

In: 41.677+/-0.006 χ^2/NDF:3148099.3/44

Out: 41.677+/-0.006 χ^2/NDF:4873498.3/49

All: 41.677+/-0.004 χ^2/NDF: 8021597.6/94

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

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

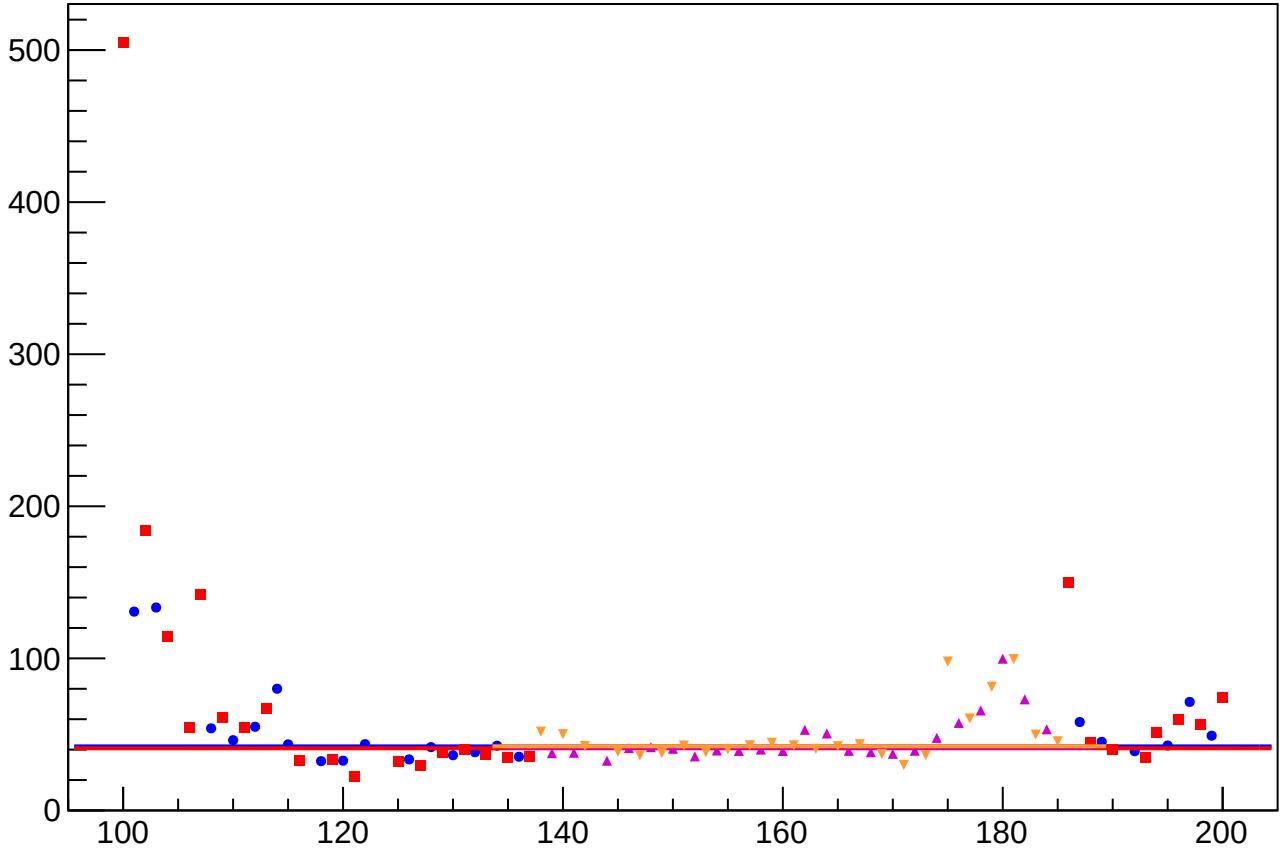
Right: 0.006+/-0.010 χ^2/NDF: 42.4/47

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.002+/-0.006 χ^2/NDF: 87.4/94

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

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

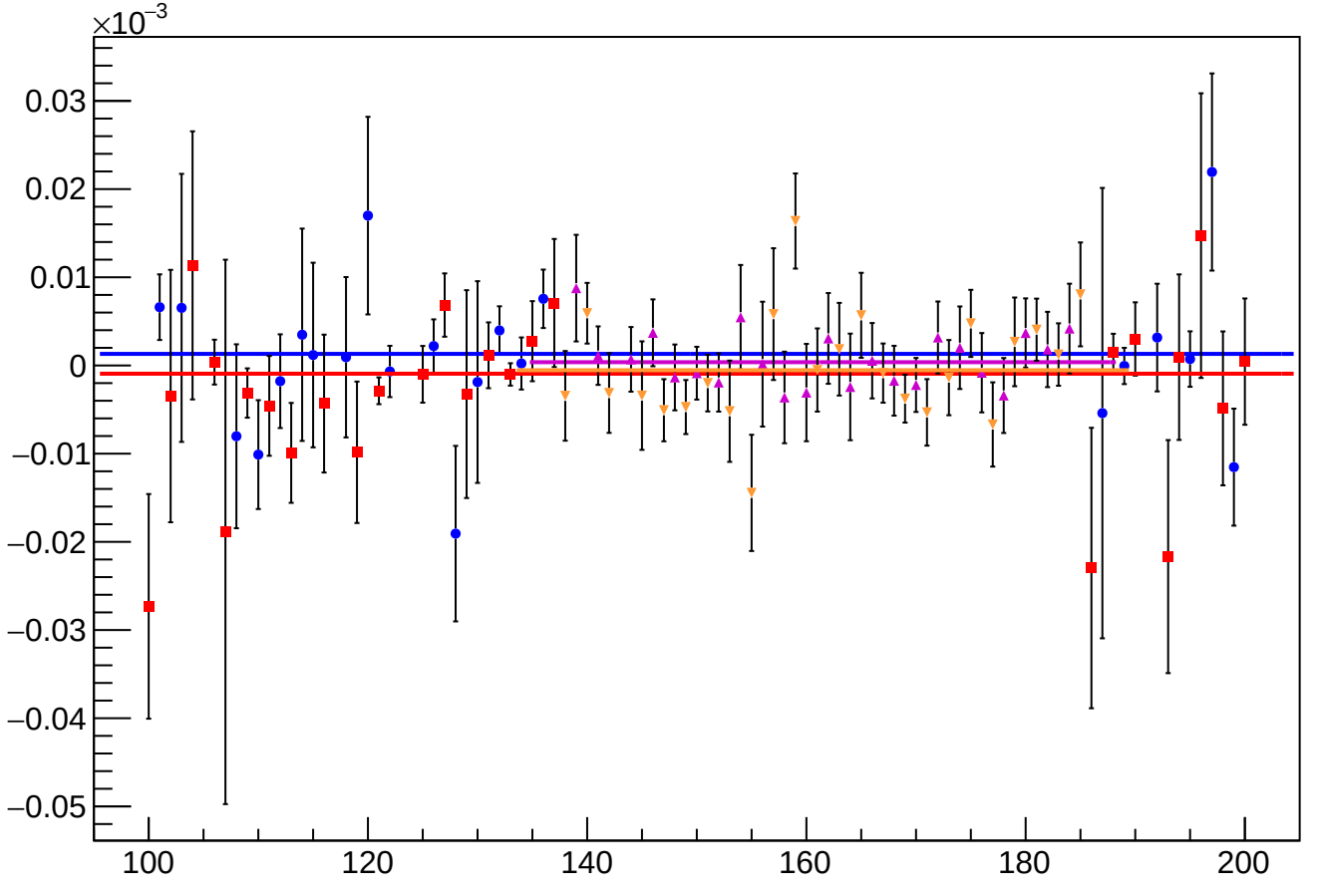
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.467+/-0.007 χ^2/NDF: 4783244.2/47

In: 41.677+/-0.006 χ^2/NDF:3148099.3/44

Out: 41.677+/-0.006 χ^2/NDF:4873498.3/49

All: 41.677+/-0.004 χ^2/NDF: 8021597.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/21

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

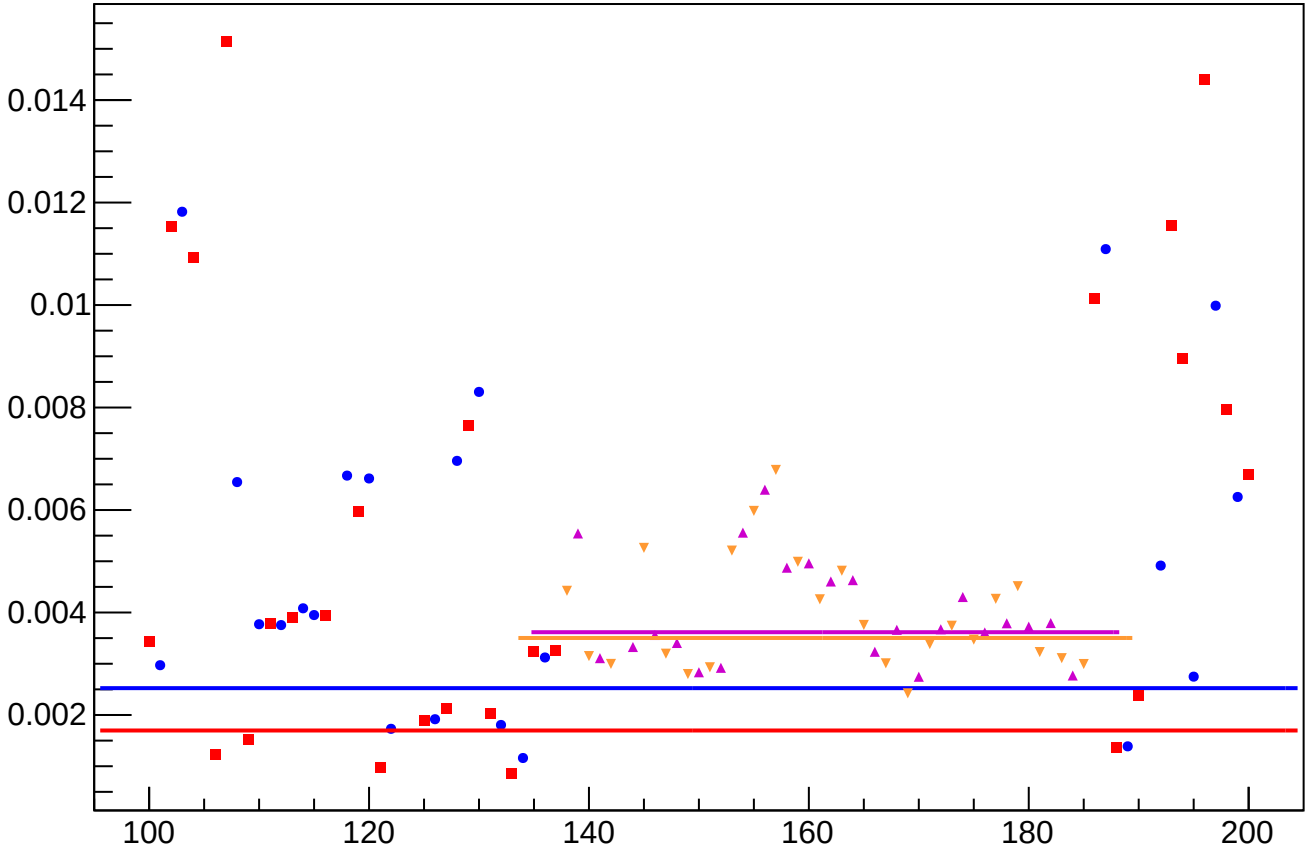
Right: -0.000+/-0.000 χ^2/NDF: 56.7/47

In: 0.000+/-0.000 χ^2/NDF:36.2/44

Out: -0.000+/-0.000 χ^2/NDF:63.9/49

All: -0.000+/-0.000 χ^2/NDF: 103.8/94

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6460588.8/21

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

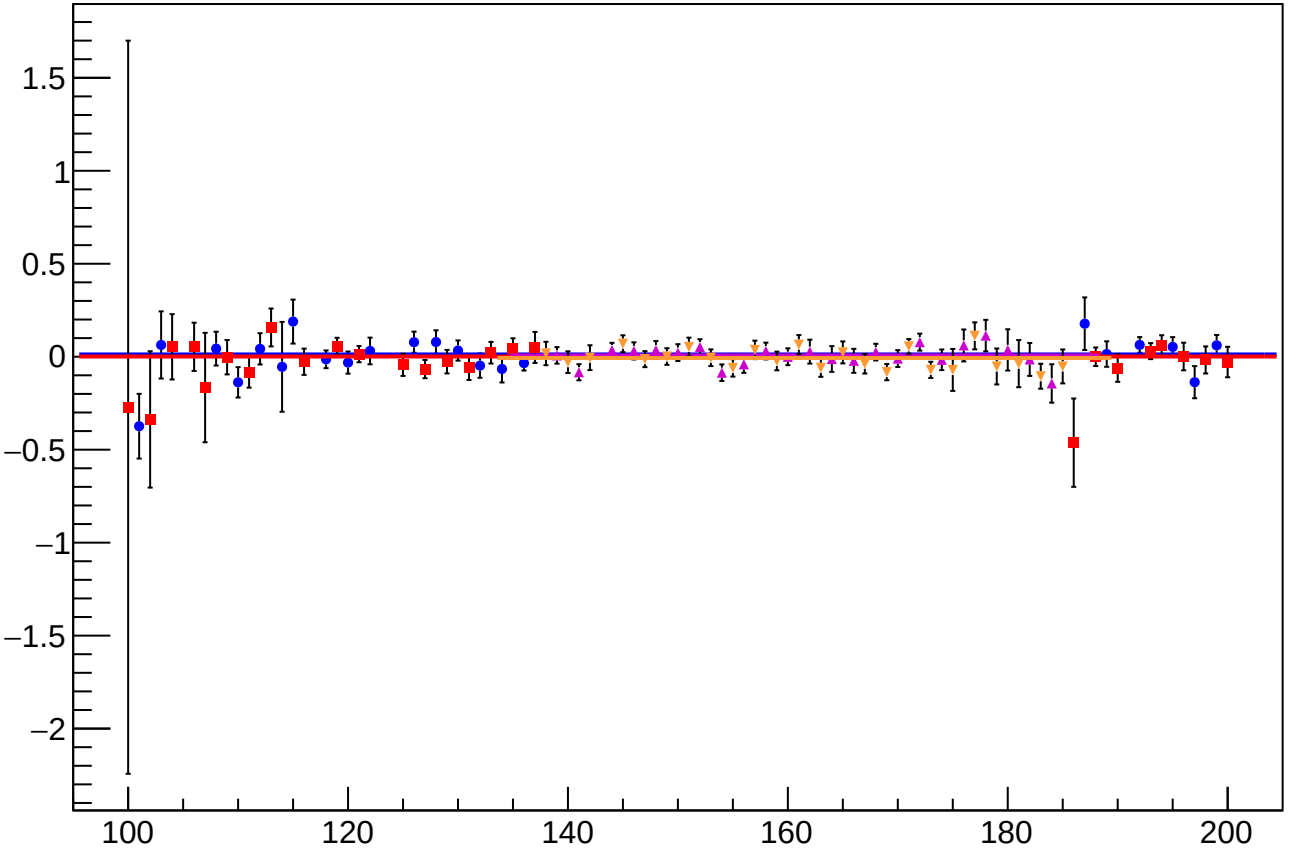
Right: 0.002+/-0.000 χ^2/NDF: 19423013.6/47

In: 0.003+/-0.000 χ^2/NDF:9601561.2/44

Out: 0.002+/-0.000 χ^2/NDF:19627495.5/49

All: 0.003+/-0.000 χ^2/NDF: 30592345.2/94

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

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

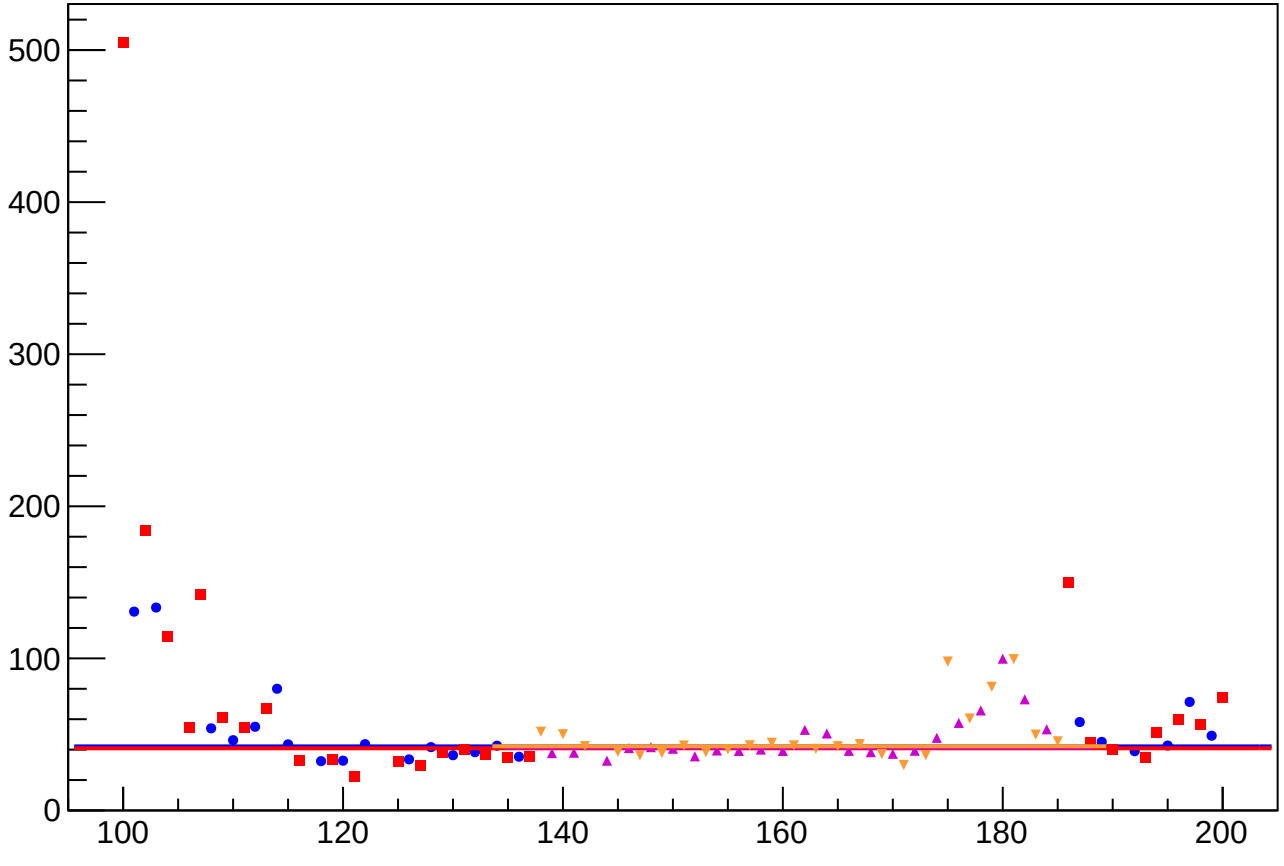
Right: 0.006+/-0.010 χ^2/NDF: 42.4/47

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.002+/-0.006 χ^2/NDF: 87.4/94

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

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

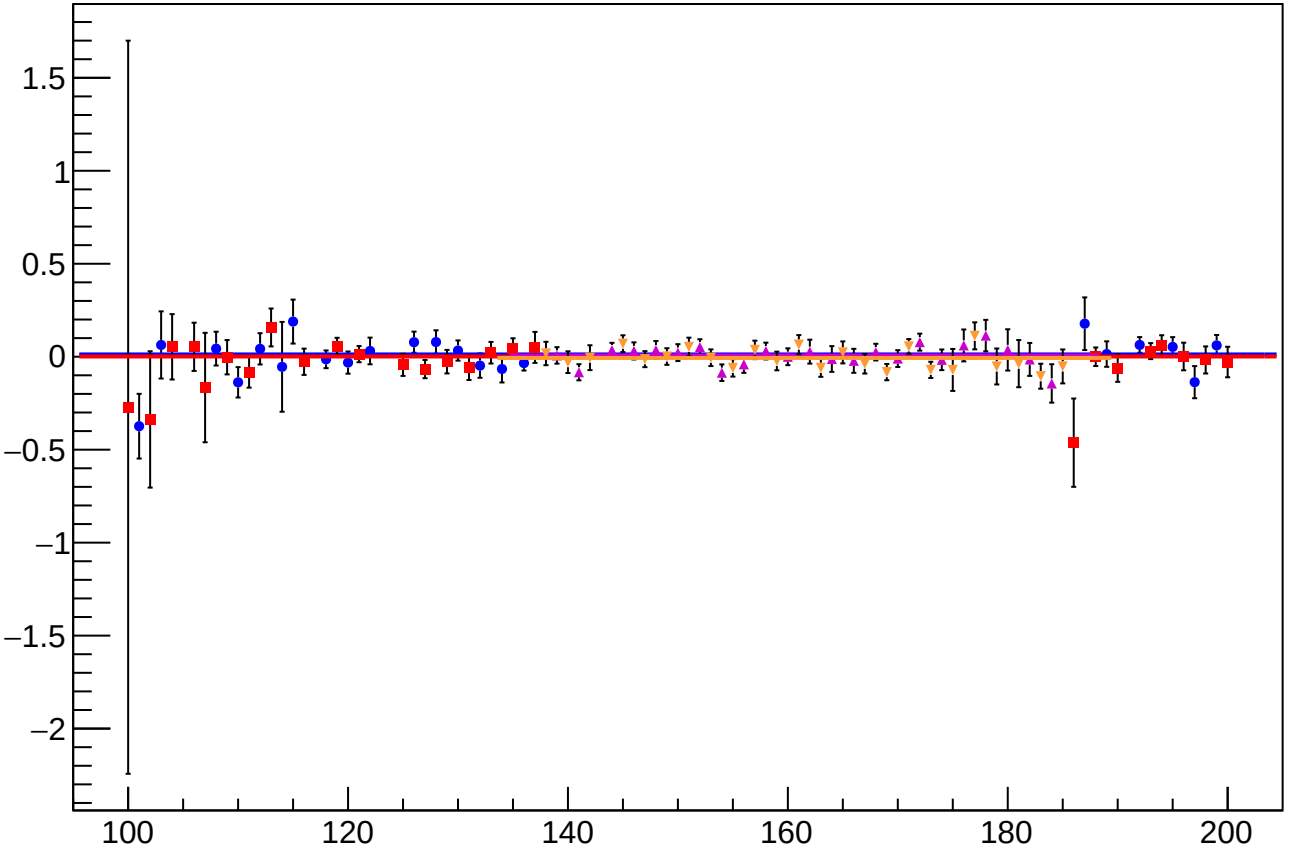
Right: 41.467+/-0.007 χ^2/NDF: 4783330.5/47

In: 41.677+/-0.006 χ^2/NDF:3147921.5/44

Out: 41.677+/-0.006 χ^2/NDF:4873700.9/49

All: 41.677+/-0.004 χ^2/NDF: 8021622.5/94

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

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

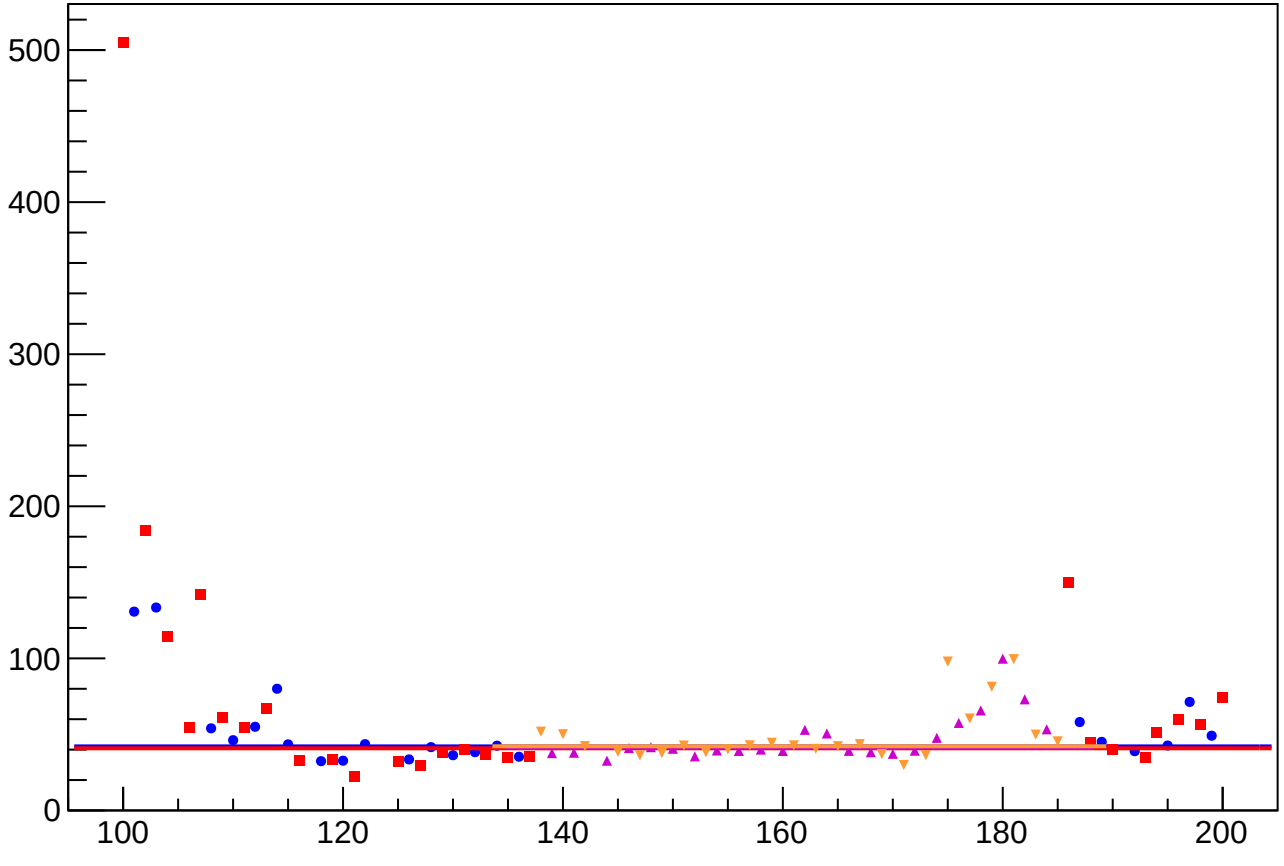
Right: 0.006+/-0.010 χ^2/NDF: 42.4/47

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.004+/-0.008 χ^2/NDF:41.2/49

All: 0.002+/-0.006 χ^2/NDF: 87.4/94

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

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

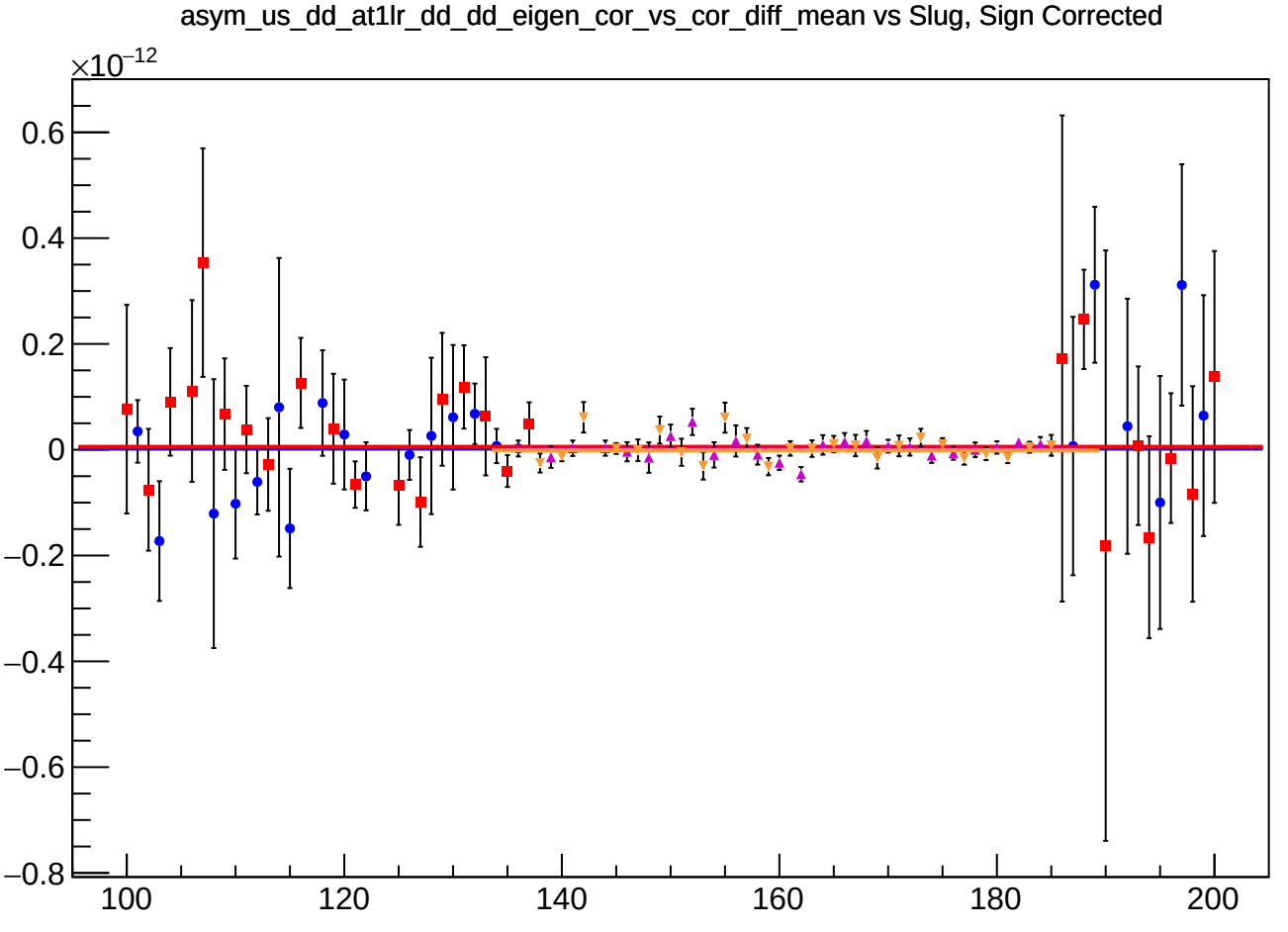
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 41.467+/-0.007 χ^2/NDF: 4783330.5/47

In: 41.677+/-0.006 χ^2/NDF:3147921.5/44

Out: 41.677+/-0.006 χ^2/NDF:4873700.9/49

All: 41.677+/-0.004 χ^2/NDF: 8021622.5/94



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

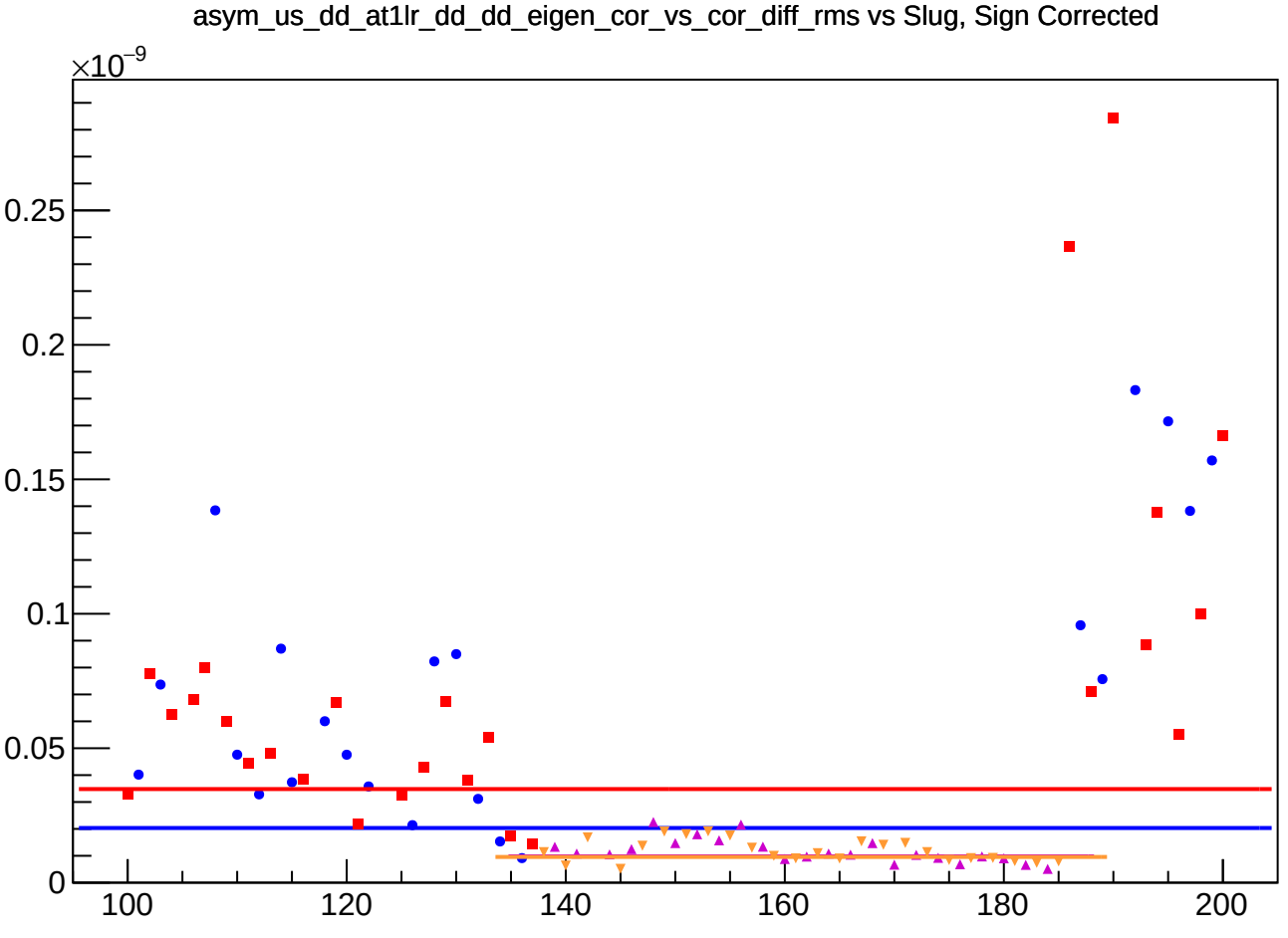
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 43.2/47

In: 0.000+/-0.000 χ^2/NDF:44.8/44

Out: -0.000+/-0.000 χ^2/NDF:56.3/49

All: -0.000+/-0.000 χ^2/NDF: 101.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 7517679.7/21

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

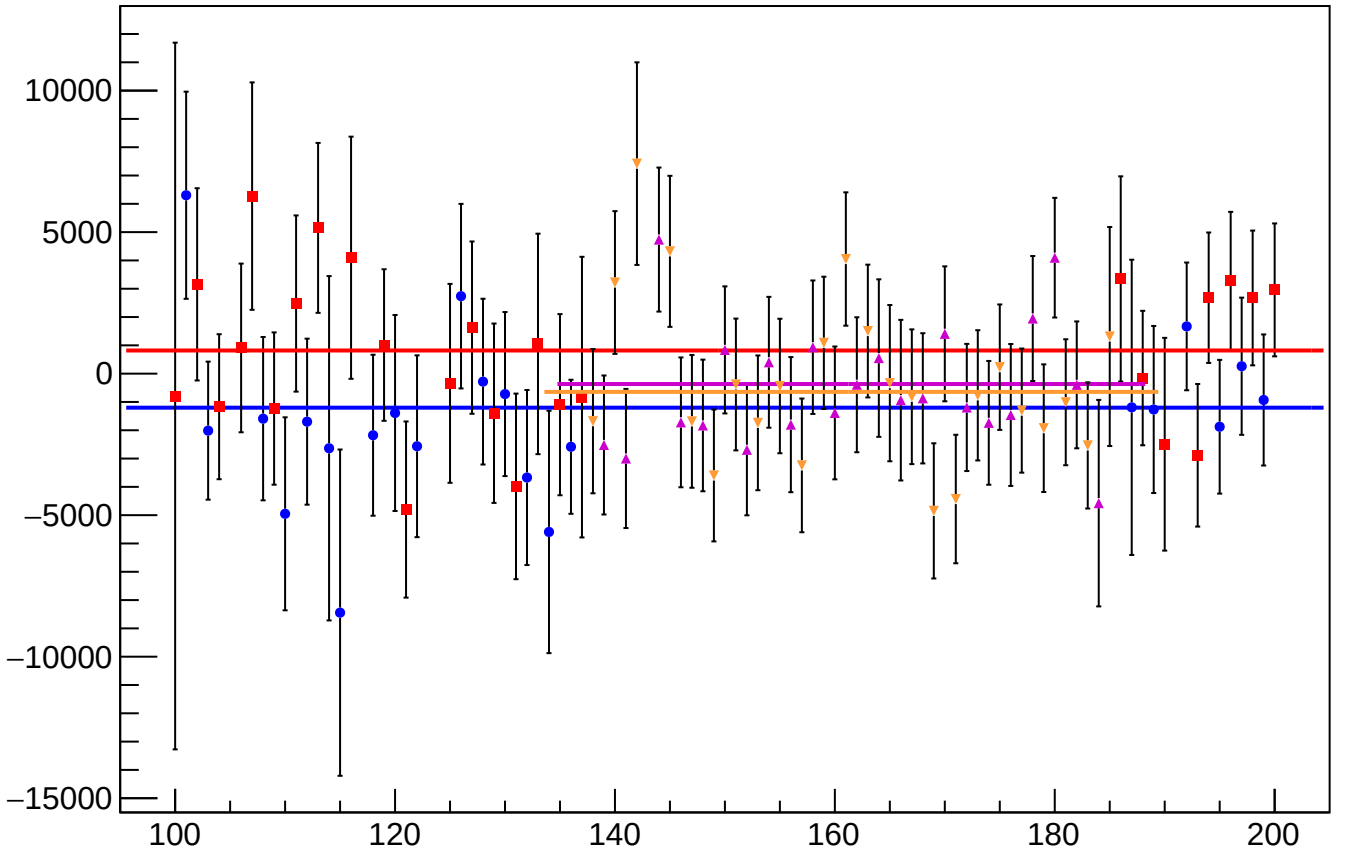
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13934660.3/47

In: 0.000+/-0.000 χ^2/NDF:11333738.0/44

Out: 0.000+/-0.000 χ^2/NDF:12665059.7/49

All: 0.000+/-0.000 χ^2/NDF: 23999513.7/94



Right In: -1202.153+/-635.317 χ^2/NDF: 13.2/21

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

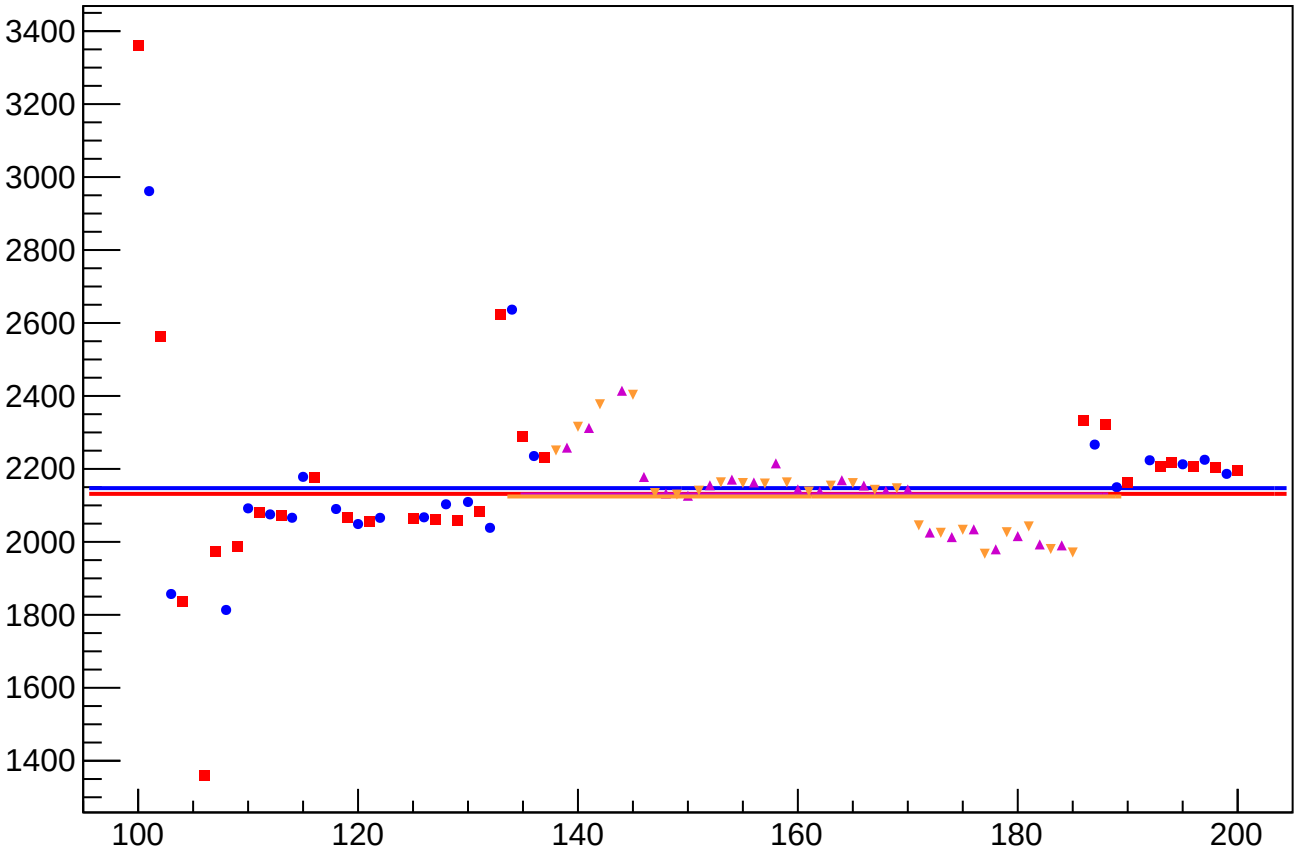
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -121.206+/-433.193 χ^2/NDF: 38.3/47

In: -684.619+/-391.889 χ^2/NDF:31.6/44

Out: -44.448+/-379.201 χ^2/NDF:50.4/49

All: -354.003+/-272.511 χ^2/NDF: 83.4/94



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.0/21

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

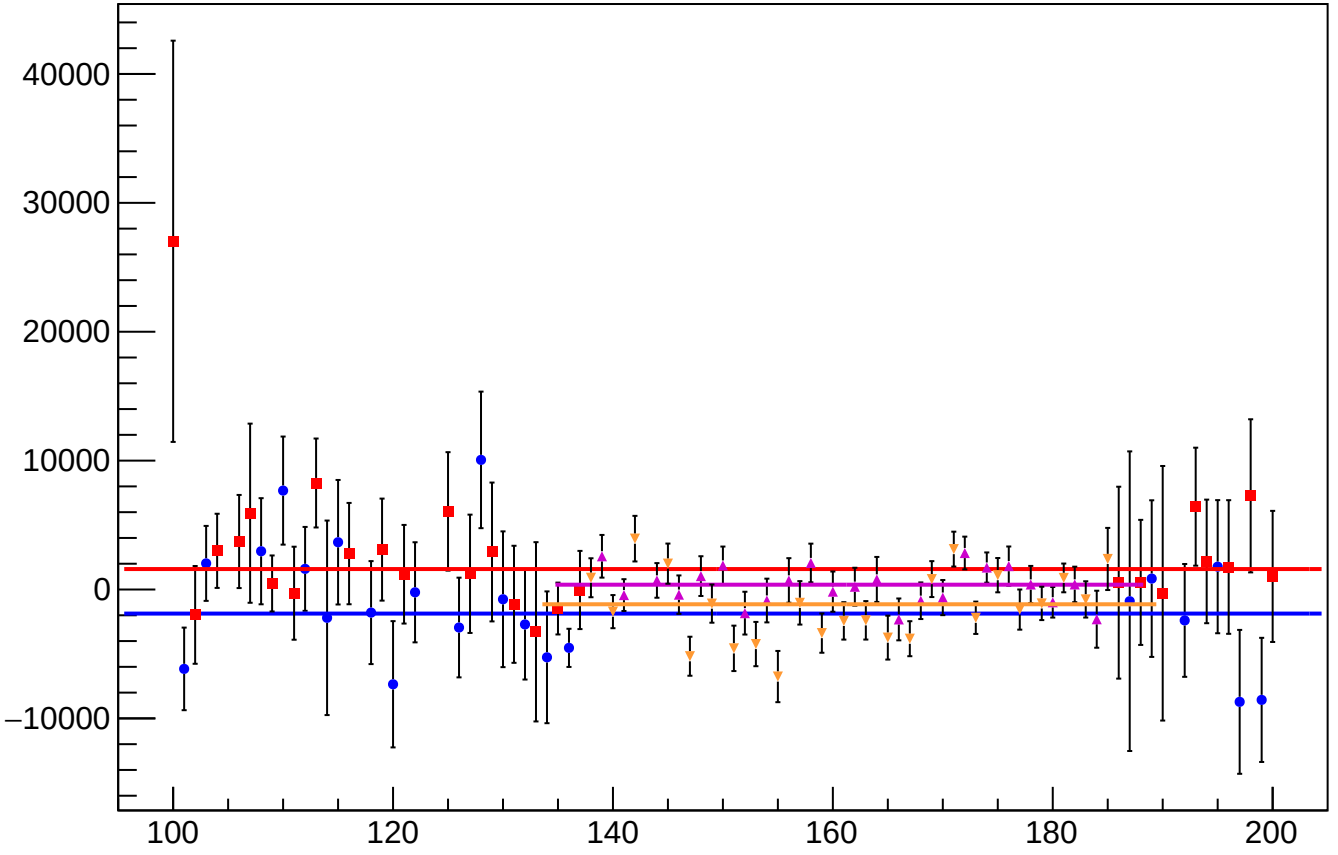
Right: 2138.923+/-0.306 χ^2/NDF: 495773.4/47

In: 2136.530+/-0.277 χ^2/NDF:287091.3/44

Out: 2127.381+/-0.268 χ^2/NDF:383672.5/49

All: 2131.805+/-0.193 χ^2/NDF: 671326.7/94

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1867.842+/-804.805 χ^2/NDF: 27.1/21

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1587.293+/-771.052 χ^2/NDF: 15.7/25

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

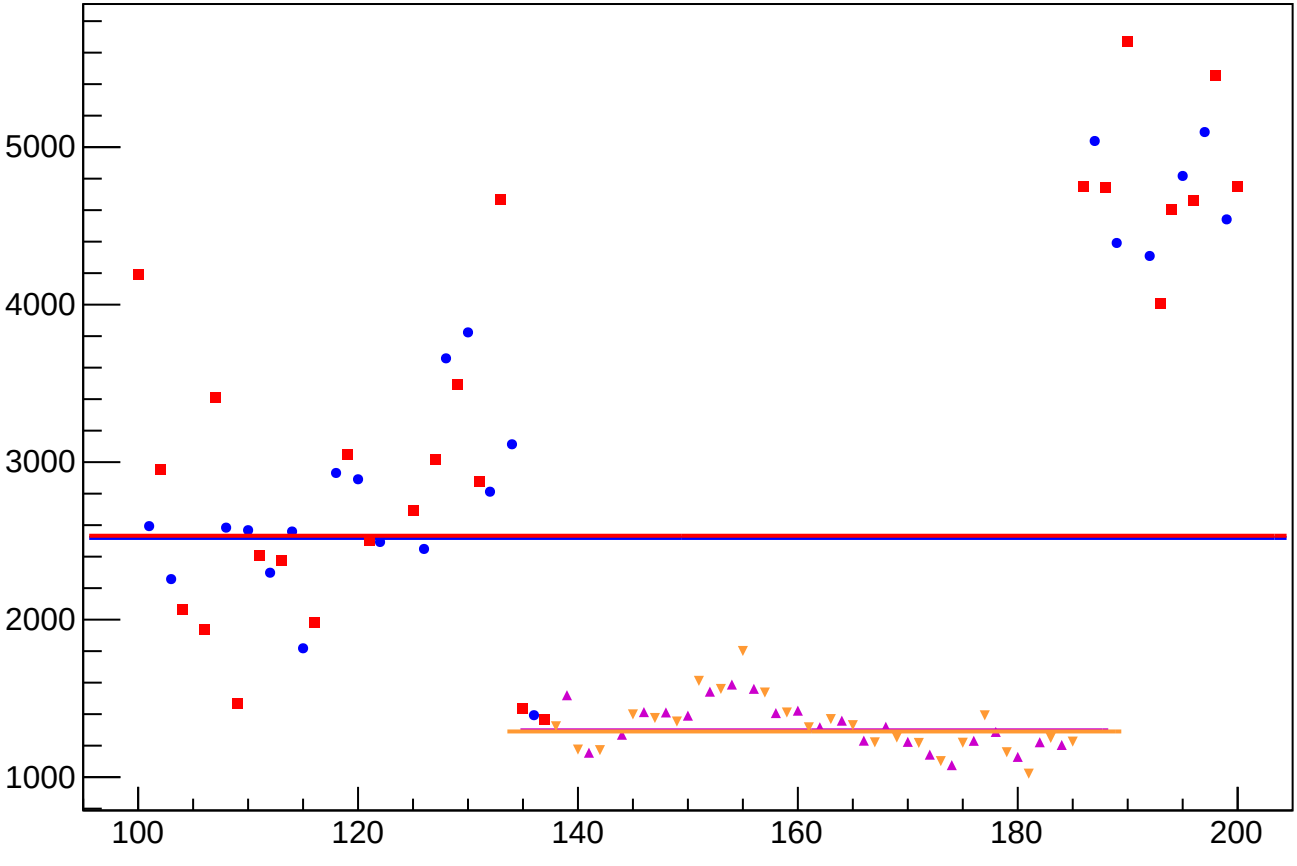
Right: -66.306+/-556.766 χ^2/NDF: 52.4/47

In: 91.239+/-285.515 χ^2/NDF:54.2/44

Out: -780.418+/-281.594 χ^2/NDF:94.1/49

All: -350.616+/-200.489 χ^2/NDF: 153.0/94

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2518.826+/-0.569 χ^2/NDF: 3304096.7/21

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

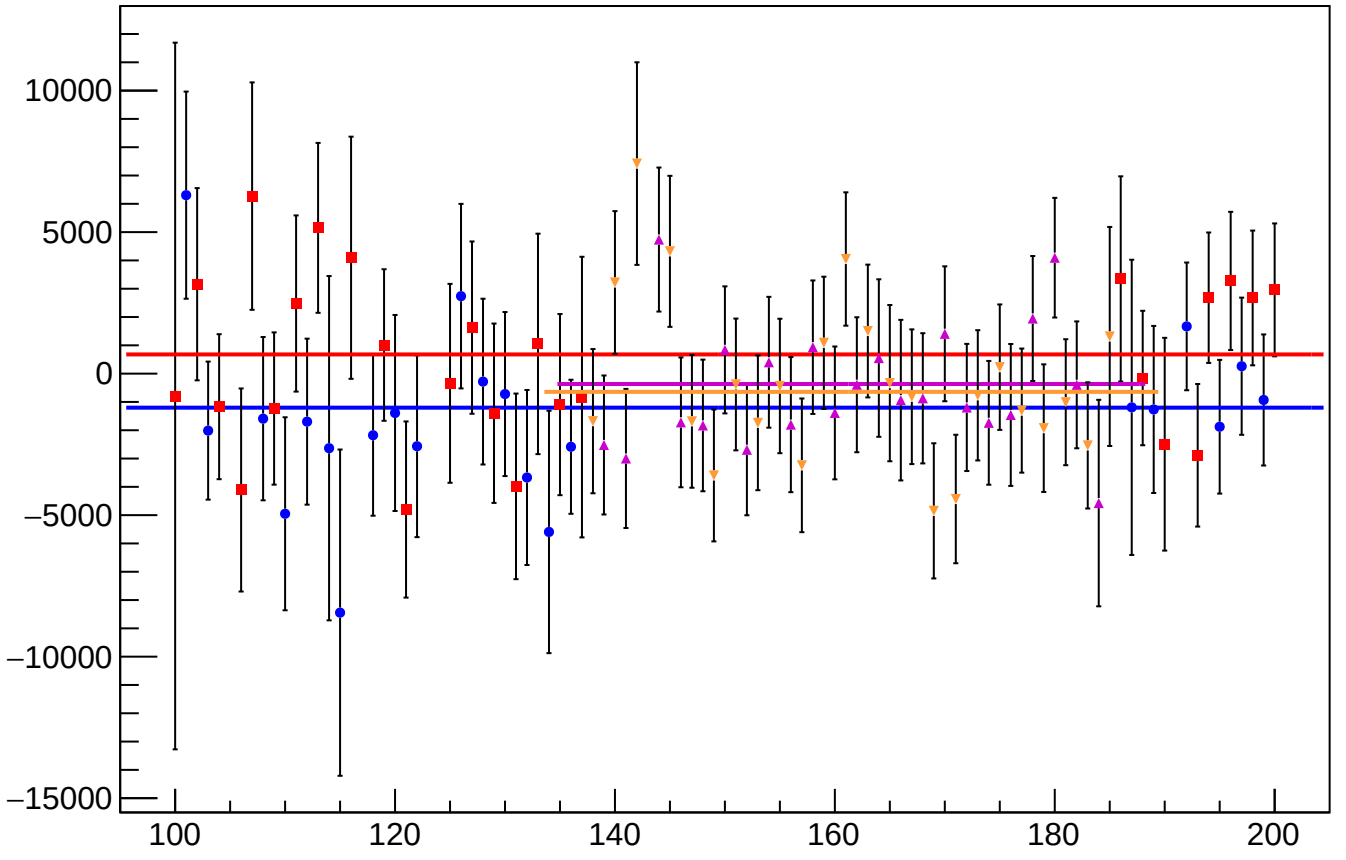
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2526.080+/-0.394 χ^2/NDF: 7803526.4/47

In: 1451.172+/-0.202 χ^2/NDF:7764586.9/44

Out: 1455.778+/-0.199 χ^2/NDF:9569343.9/49

All: 1453.507+/-0.142 χ^2/NDF: 17334194.6/9



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

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

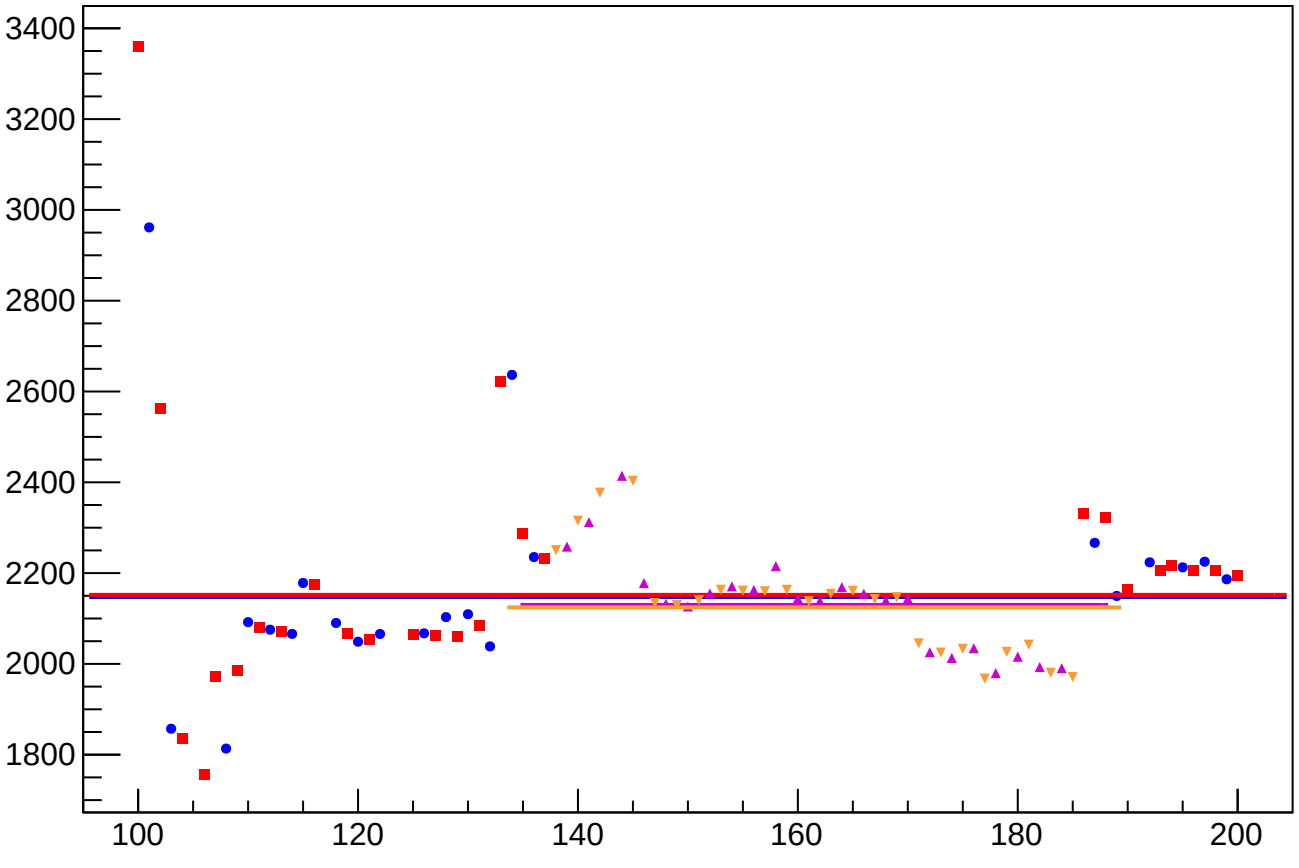
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -201.537+/-434.618 χ^2/NDF: 39.4/47

In: -684.544+/-391.889 χ^2/NDF:31.6/44

Out: -105.445+/-380.156 χ^2/NDF:51.6/49

All: -386.196+/-272.865 χ^2/NDF: 84.3/94



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

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

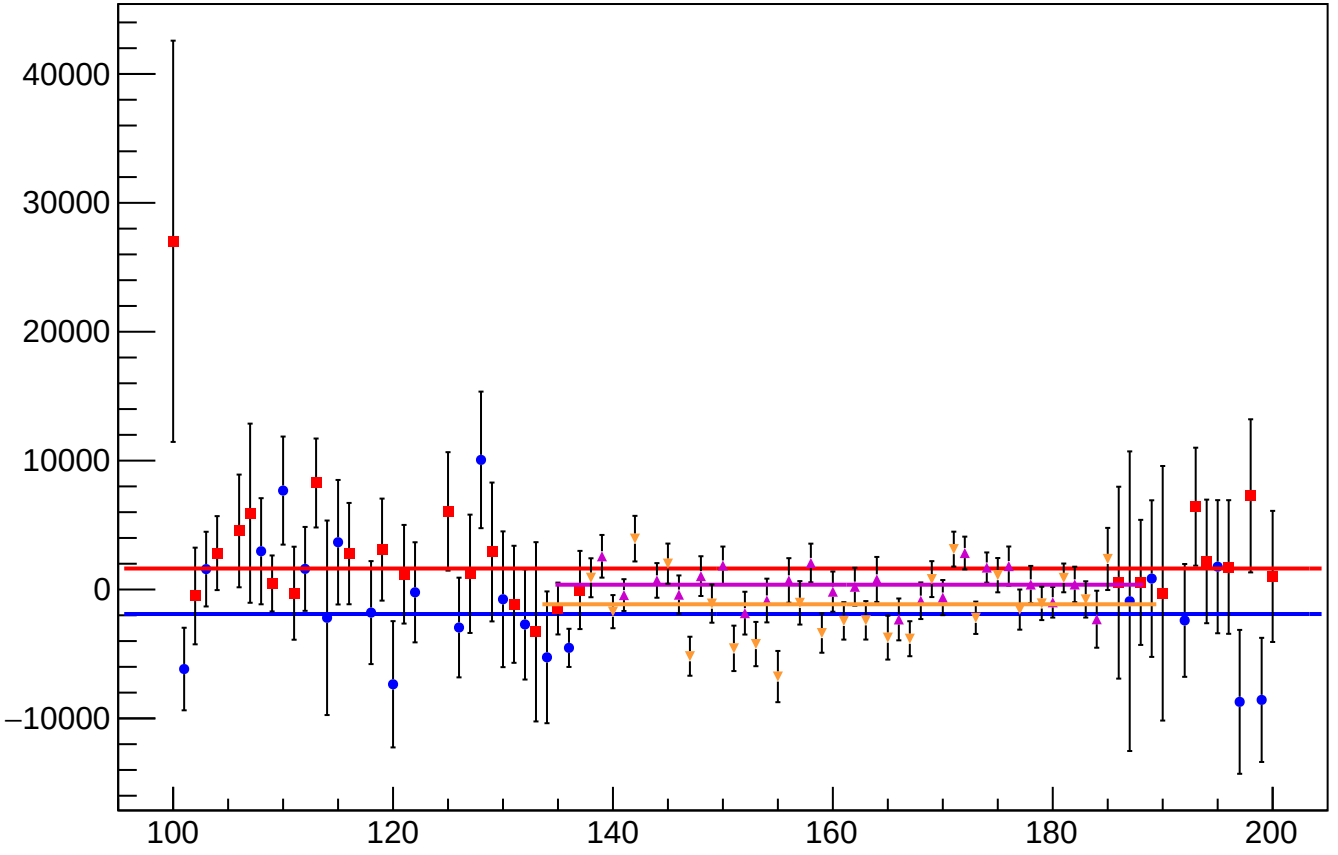
Right: 2149.854+/-0.307 χ^2/NDF: 380948.5/47

In: 2136.530+/-0.277 χ^2/NDF:287091.6/44

Out: 2135.686+/-0.269 χ^2/NDF:271820.1/49

All: 2136.095+/-0.193 χ^2/NDF: 558916.5/94

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

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

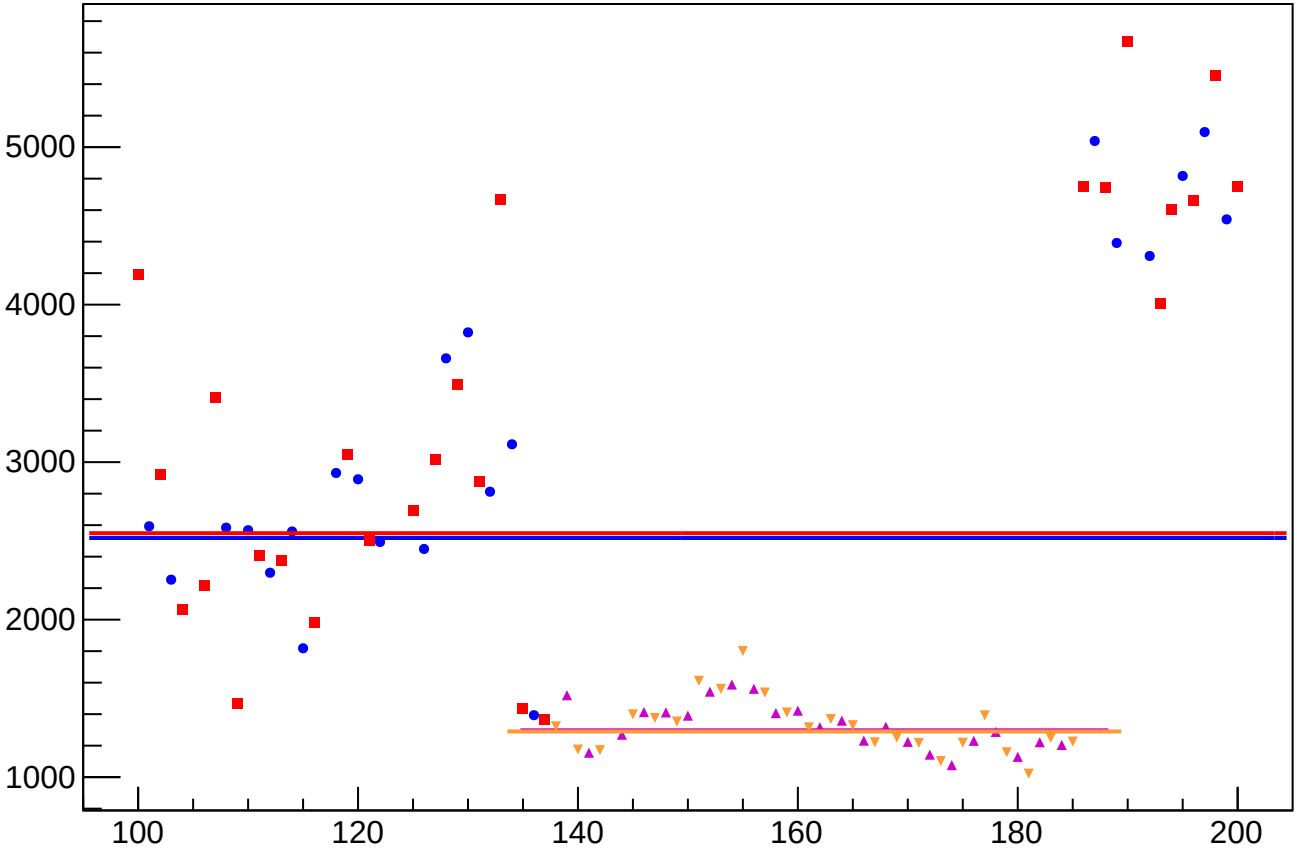
Right: -72.511+/-558.608 χ^2/NDF: 51.9/47

In: 86.840+/-285.505 χ^2/NDF:54.0/44

Out: -779.041+/-281.843 χ^2/NDF:93.8/49

All: -351.688+/-200.575 χ^2/NDF: 152.4/94

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

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

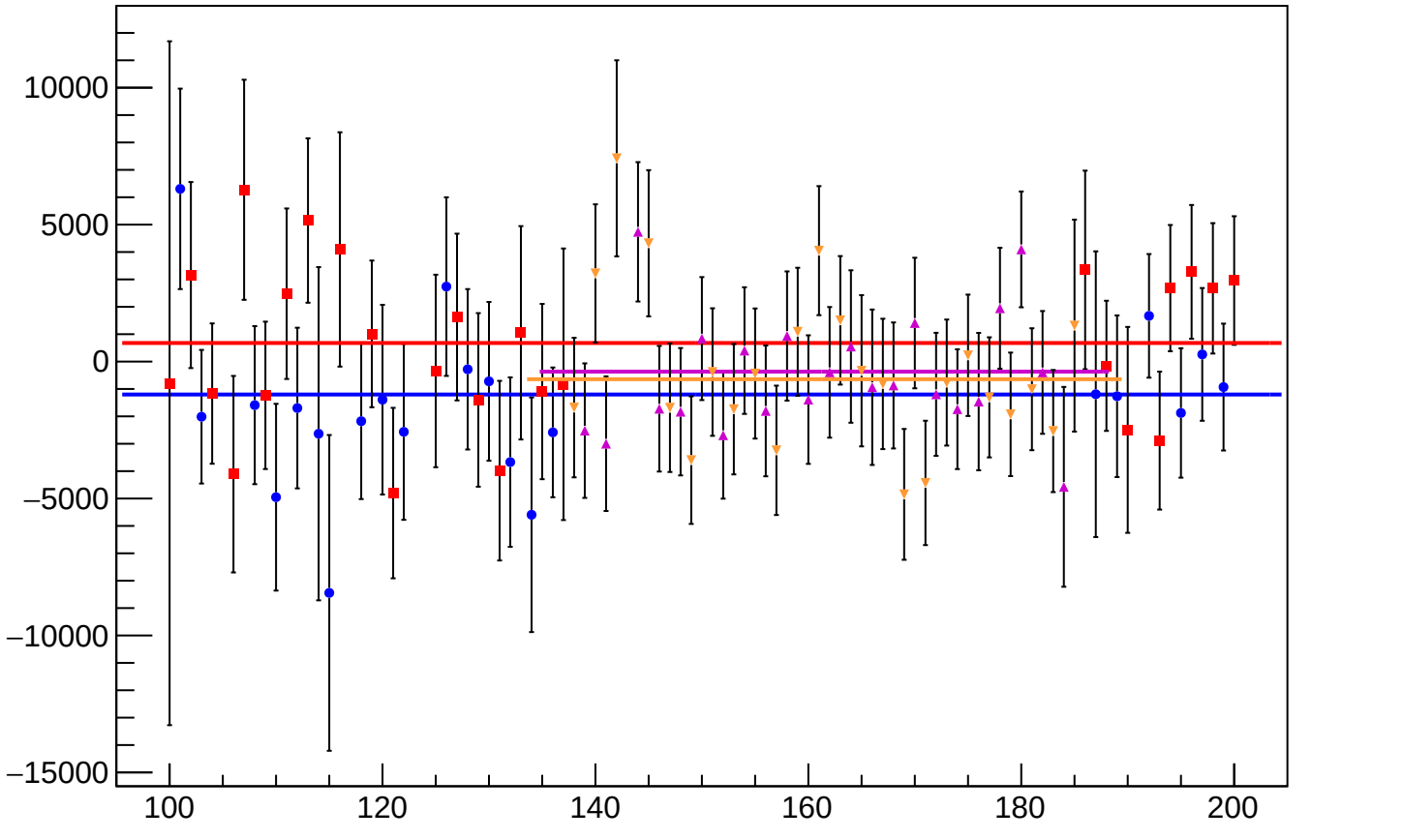
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2534.187+/-0.395 χ^2/NDF: 7758802.5/47

In: 1451.195+/-0.202 χ^2/NDF:7763999.6/44

Out: 1456.029+/-0.199 χ^2/NDF:9588031.6/49

All: 1453.643+/-0.142 χ^2/NDF: 17352321.6/9



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

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

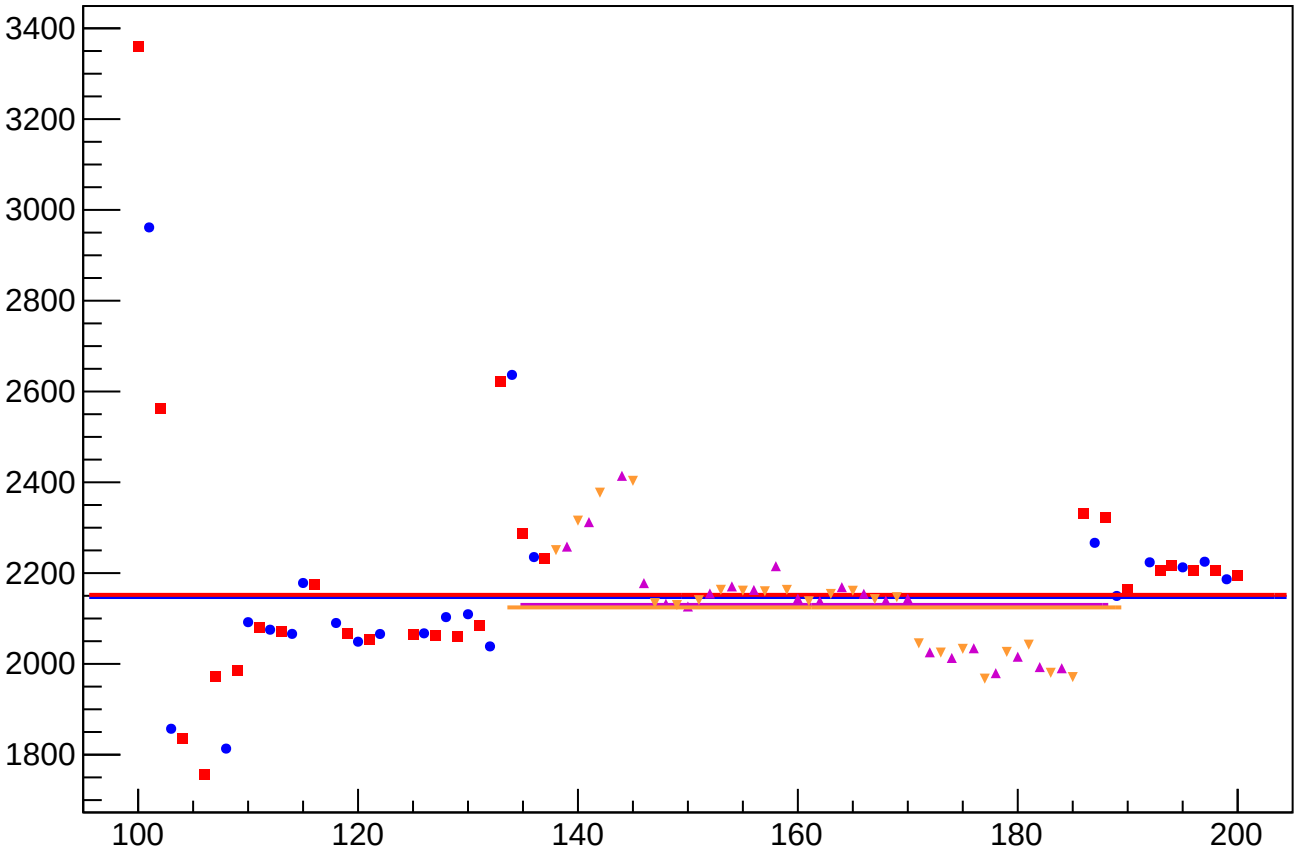
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -201.537+/-434.618 χ^2/NDF: 39.4/47

In: -684.544+/-391.889 χ^2/NDF:31.6/44

Out: -105.445+/-380.156 χ^2/NDF:51.6/49

All: -386.196+/-272.865 χ^2/NDF: 84.3/94



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

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

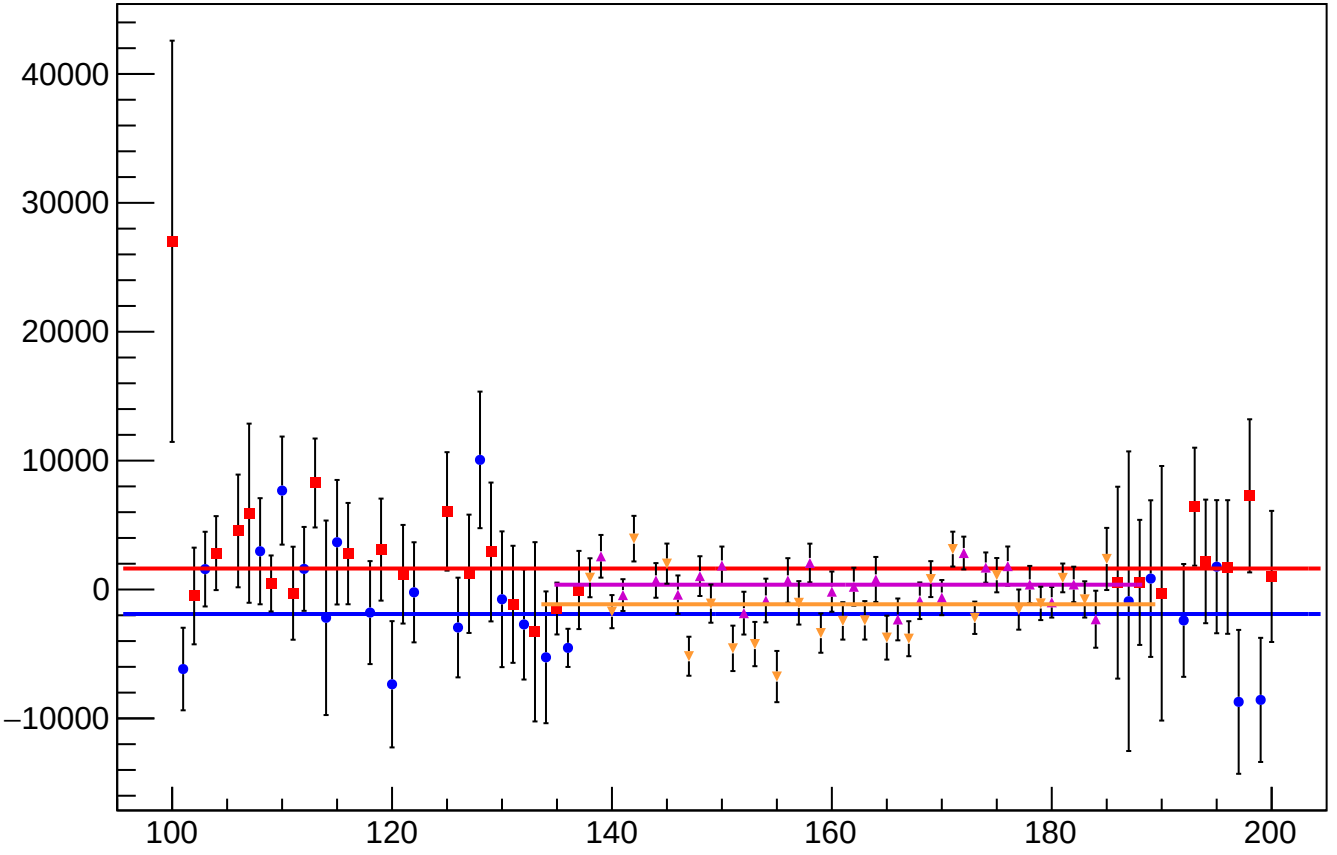
Right: 2149.854+/-0.307 χ^2/NDF: 380948.5/47

In: 2136.530+/-0.277 χ^2/NDF:287091.6/44

Out: 2135.686+/-0.269 χ^2/NDF:271820.1/49

All: 2136.095+/-0.193 χ^2/NDF: 558916.5/94

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

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

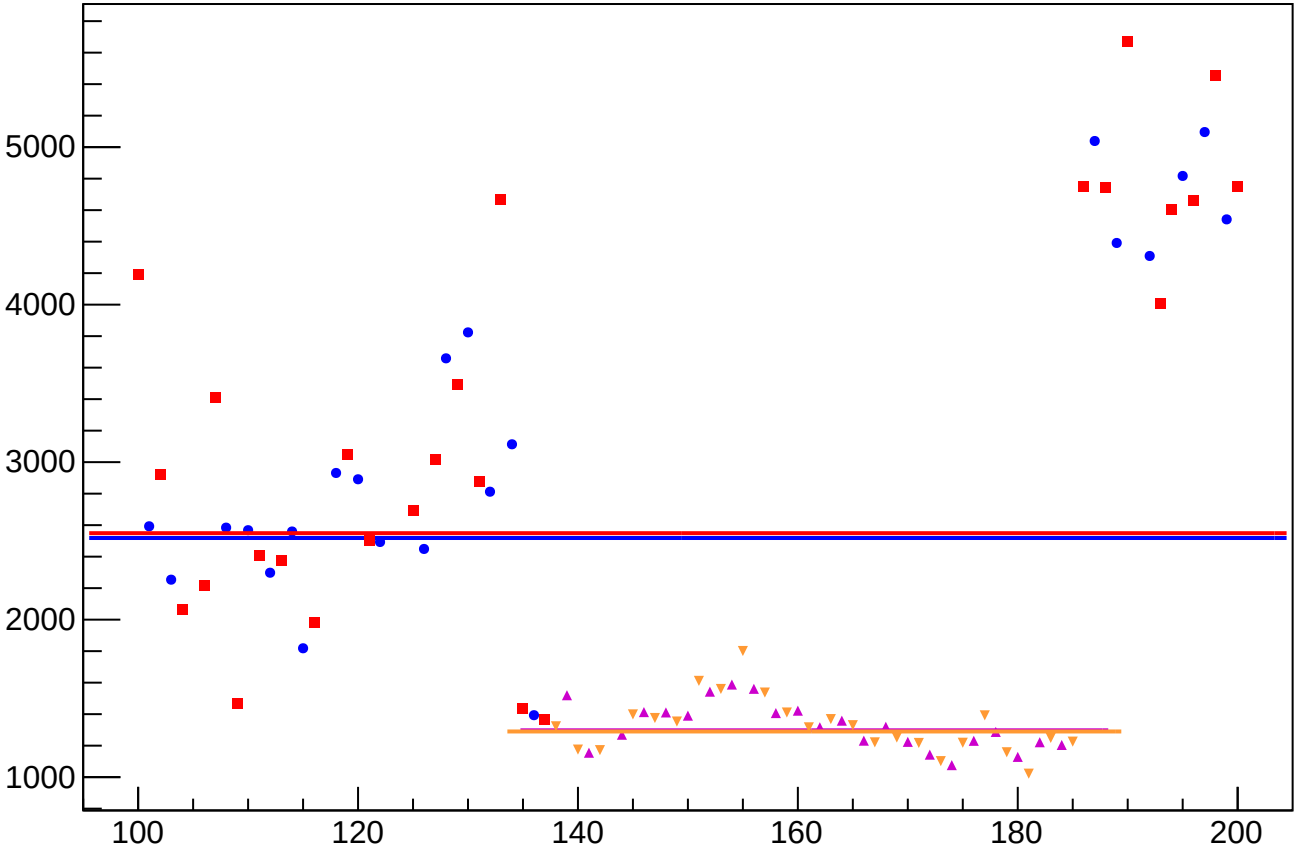
Right: -72.511+/-558.608 χ^2/NDF: 51.9/47

In: 86.840+/-285.505 χ^2/NDF:54.0/44

Out: -779.041+/-281.843 χ^2/NDF:93.8/49

All: -351.688+/-200.575 χ^2/NDF: 152.4/94

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

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

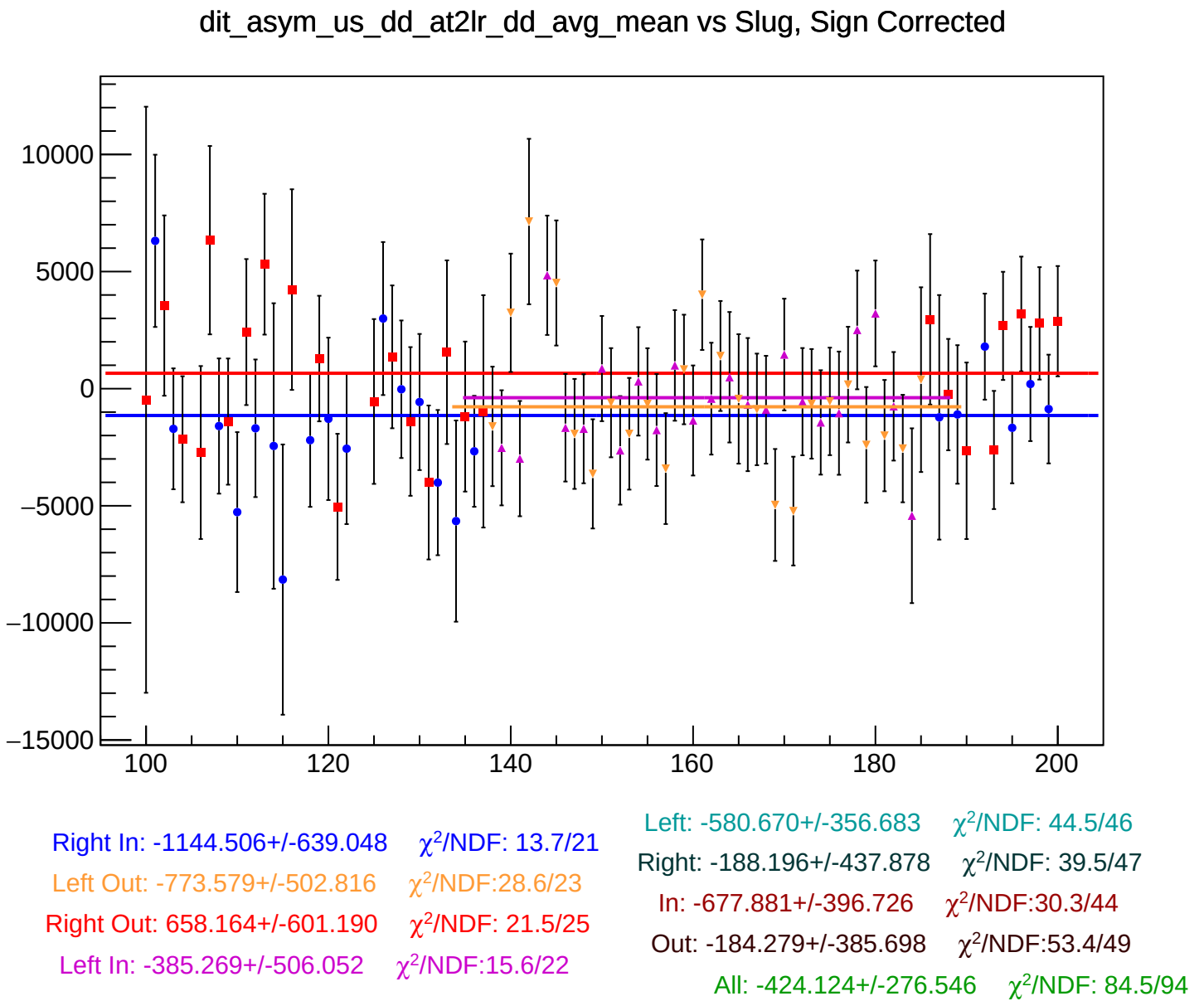
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2534.187+/-0.395 χ^2/NDF: 7758802.5/47

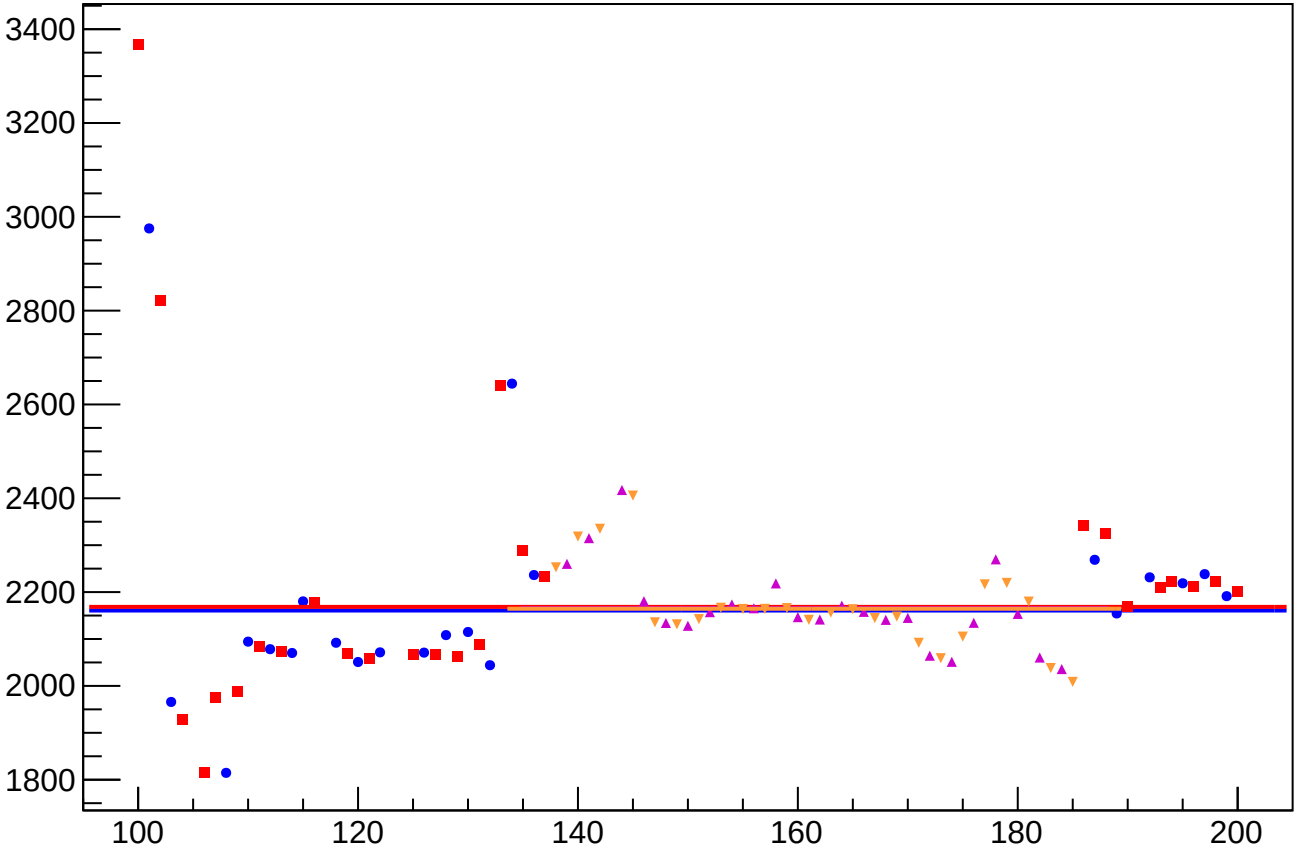
In: 1451.195+/-0.202 χ^2/NDF:7763999.6/44

Out: 1456.029+/-0.199 χ^2/NDF:9588031.6/49

All: 1453.643+/-0.142 χ^2/NDF: 17352321.6/9


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1144.506+/-639.048 χ²/NDF: 13.7/21
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 658.164+/-601.190 χ²/NDF: 21.5/25
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -188.196+/-437.878 χ²/NDF: 39.5/47
In: -677.881+/-396.726 χ²/NDF:30.3/44
Out: -184.279+/-385.698 χ²/NDF:53.4/49
All: -424.124+/-276.546 χ²/NDF: 84.5/94

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2160.689+/-0.452 χ^2/NDF: 185054.7/21

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

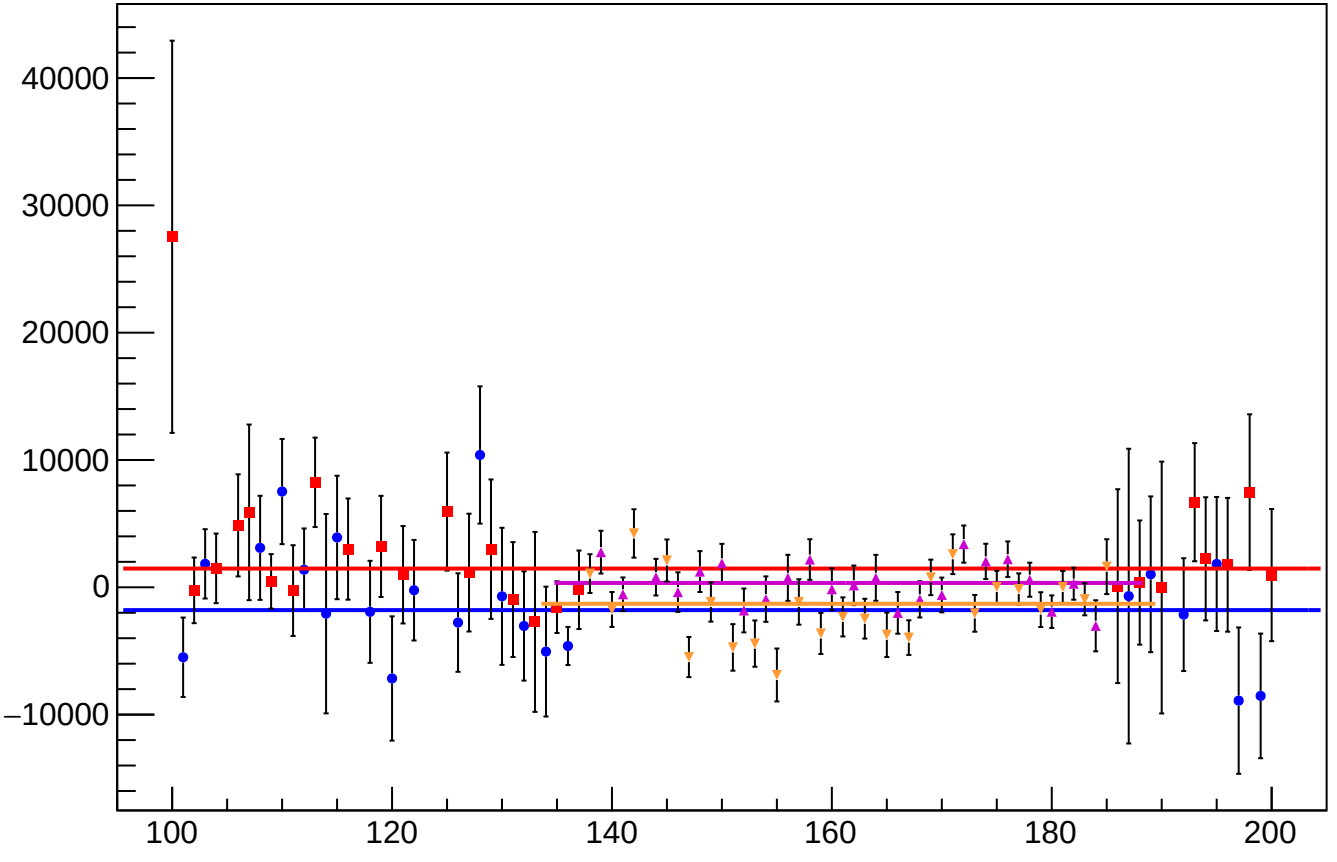
Right: 2164.816+/-0.310 χ^2/NDF: 373739.0/47

In: 2163.734+/-0.281 χ^2/NDF:237253.0/44

Out: 2166.152+/-0.273 χ^2/NDF:239253.8/49

All: 2164.977+/-0.196 χ^2/NDF: 476545.0/94

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1792.857+/-804.252 χ^2/NDF: 26.8/21

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

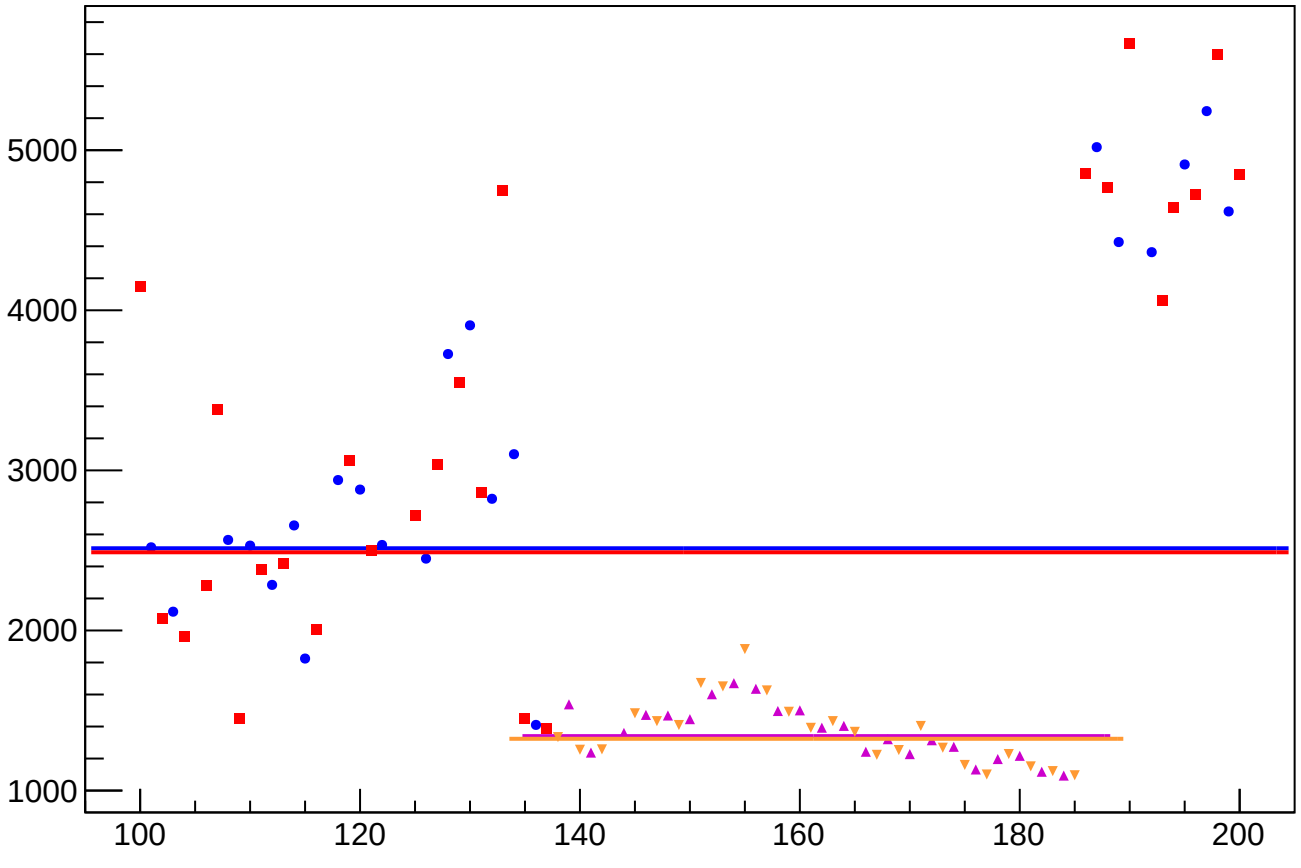
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -61.451+/-551.074 χ^2/NDF: 51.0/47

In: 56.534+/-293.762 χ^2/NDF:57.7/44

Out: -894.955+/-287.348 χ^2/NDF:85.6/49

All: -429.711+/-205.416 χ^2/NDF: 148.7/94



Right In: 2513.495+/-0.569 χ^2/NDF: 3357840.2/21

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

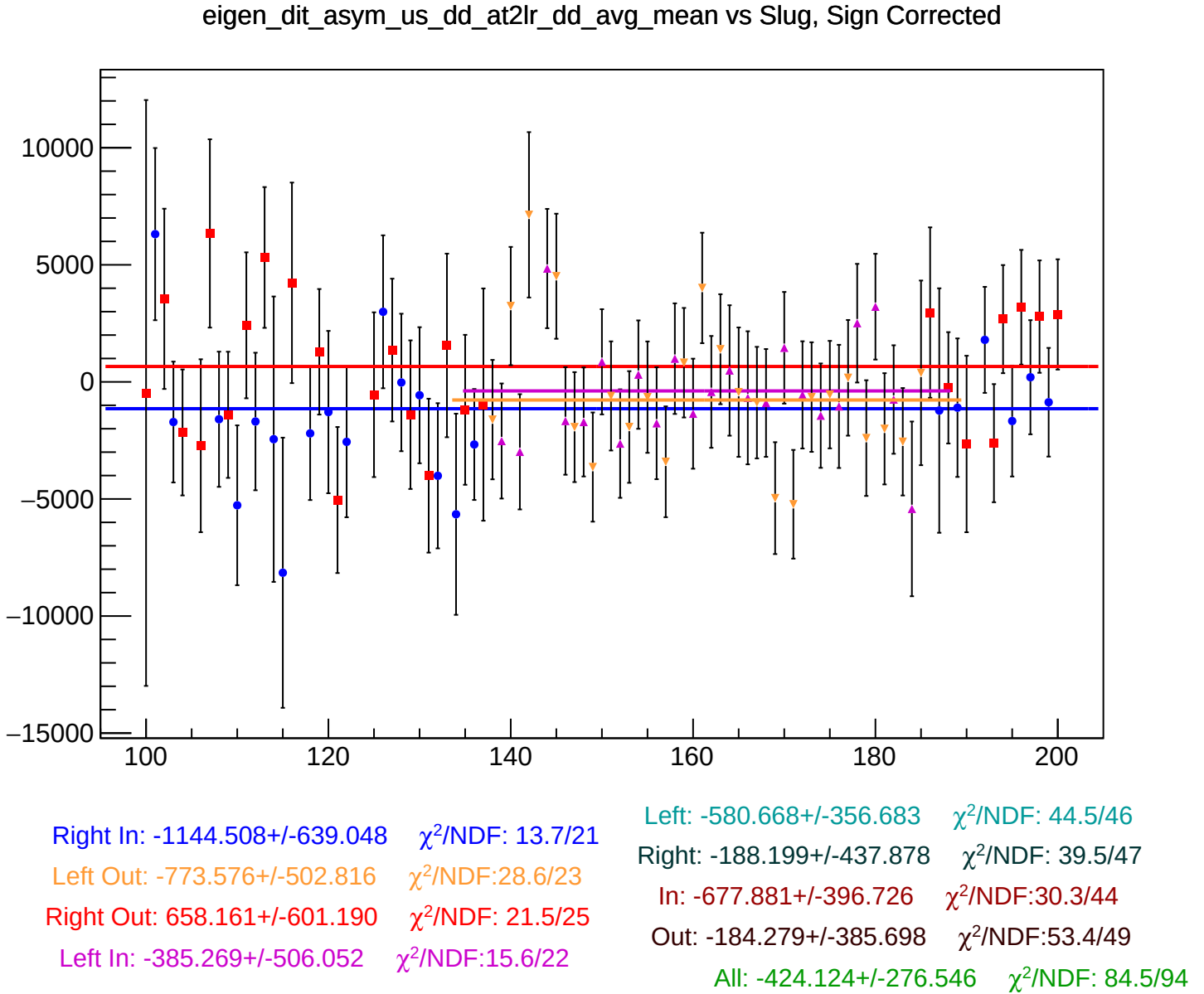
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

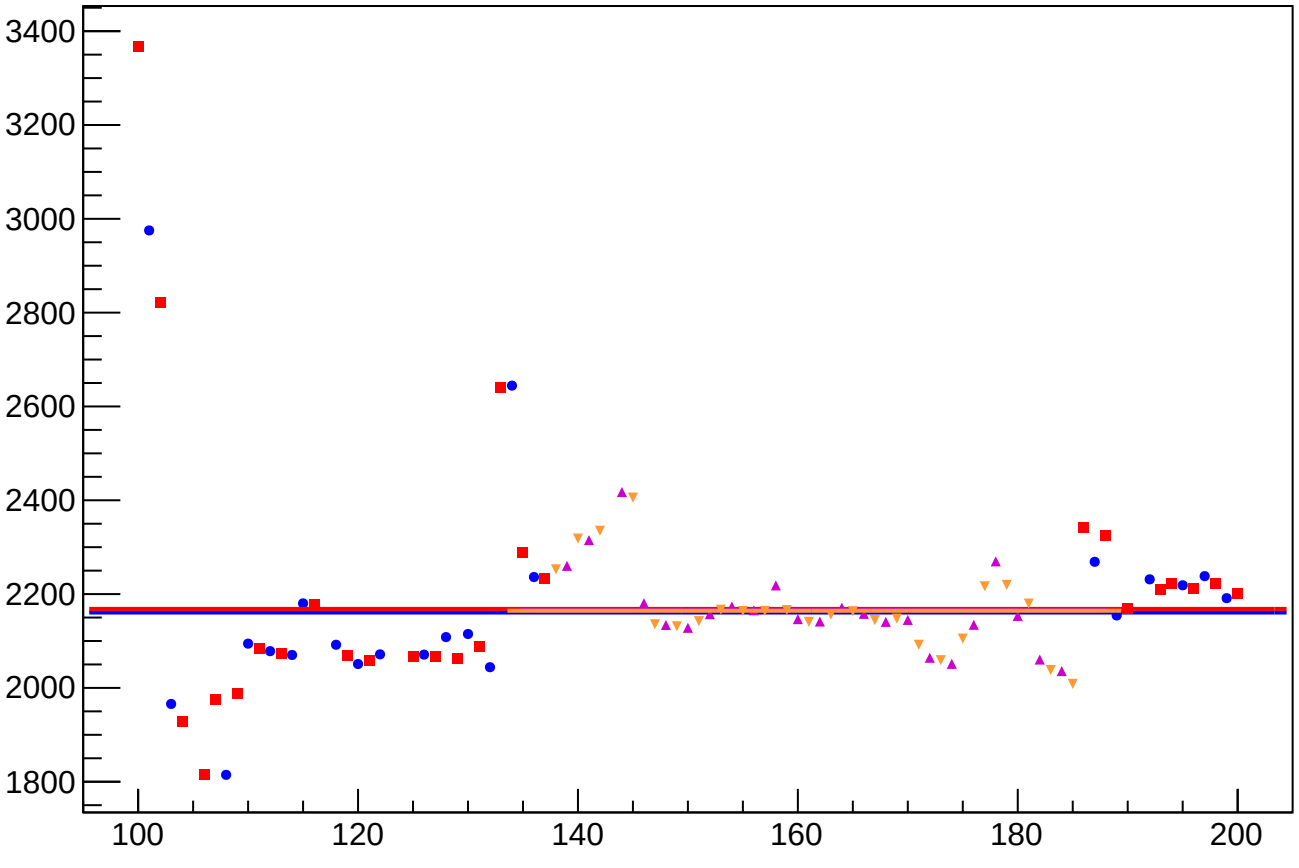
Right: 2500.181+/-0.390 χ^2/NDF: 7951393.7/47

In: 1496.636+/-0.208 χ^2/NDF:7541512.4/44

Out: 1491.440+/-0.203 χ^2/NDF:9314253.7/49

All: 1493.981+/-0.145 χ^2/NDF: 16856085.8/9


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: -1144.508+/-639.048 χ²/NDF: 13.7/21
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: -188.199+/-437.878 χ²/NDF: 39.5/47
In: -677.881+/-396.726 χ²/NDF:30.3/44
Out: -184.279+/-385.698 χ²/NDF:53.4/49
All: -424.124+/-276.546 χ²/NDF: 84.5/94



Right In: 2160.688+/-0.452 χ^2/NDF: 185054.6/21

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

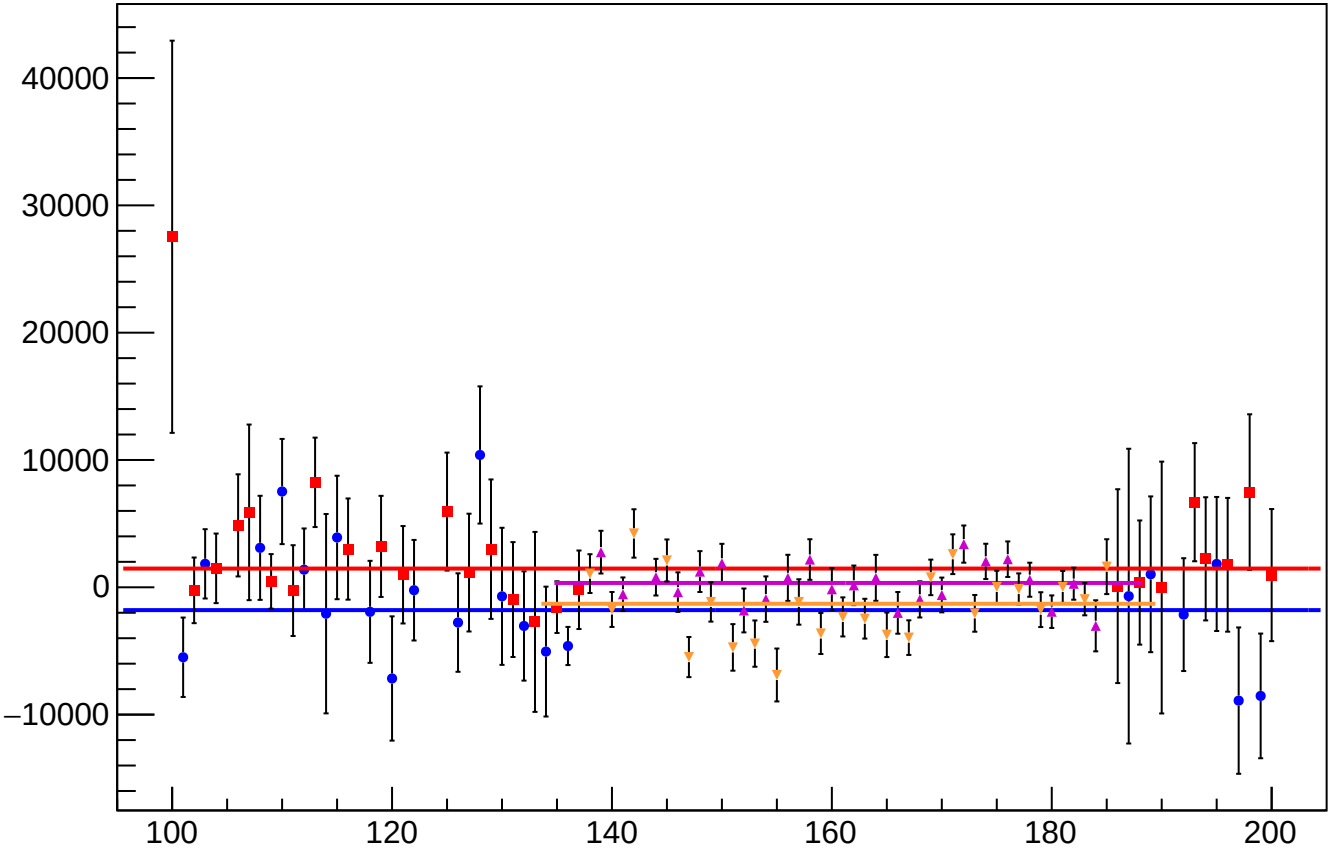
Right: 2164.816+/-0.310 χ^2/NDF: 373738.8/47

In: 2163.733+/-0.281 χ^2/NDF:237252.9/44

Out: 2166.152+/-0.273 χ^2/NDF:239253.8/49

All: 2164.977+/-0.196 χ^2/NDF: 476544.9/94

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1792.846+/-804.254 χ^2/NDF: 26.8/21

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

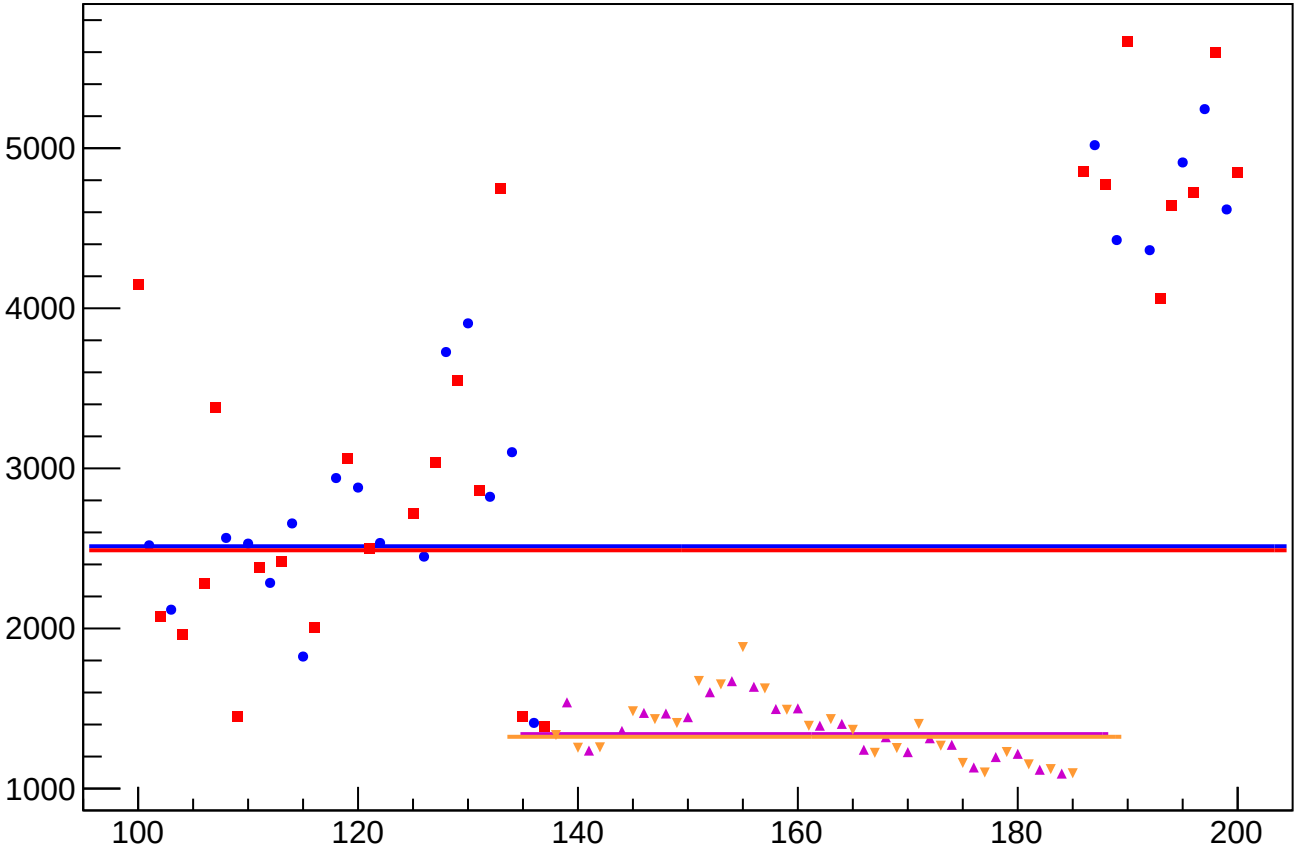
Right: -61.438+/-551.075 χ^2/NDF: 51.0/47

In: 56.535+/-293.762 χ^2/NDF:57.7/44

Out: -894.956+/-287.348 χ^2/NDF:85.6/49

All: -429.711+/-205.416 χ^2/NDF: 148.7/94

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2513.507+/-0.569 χ^2/NDF: 3357758.3/21

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

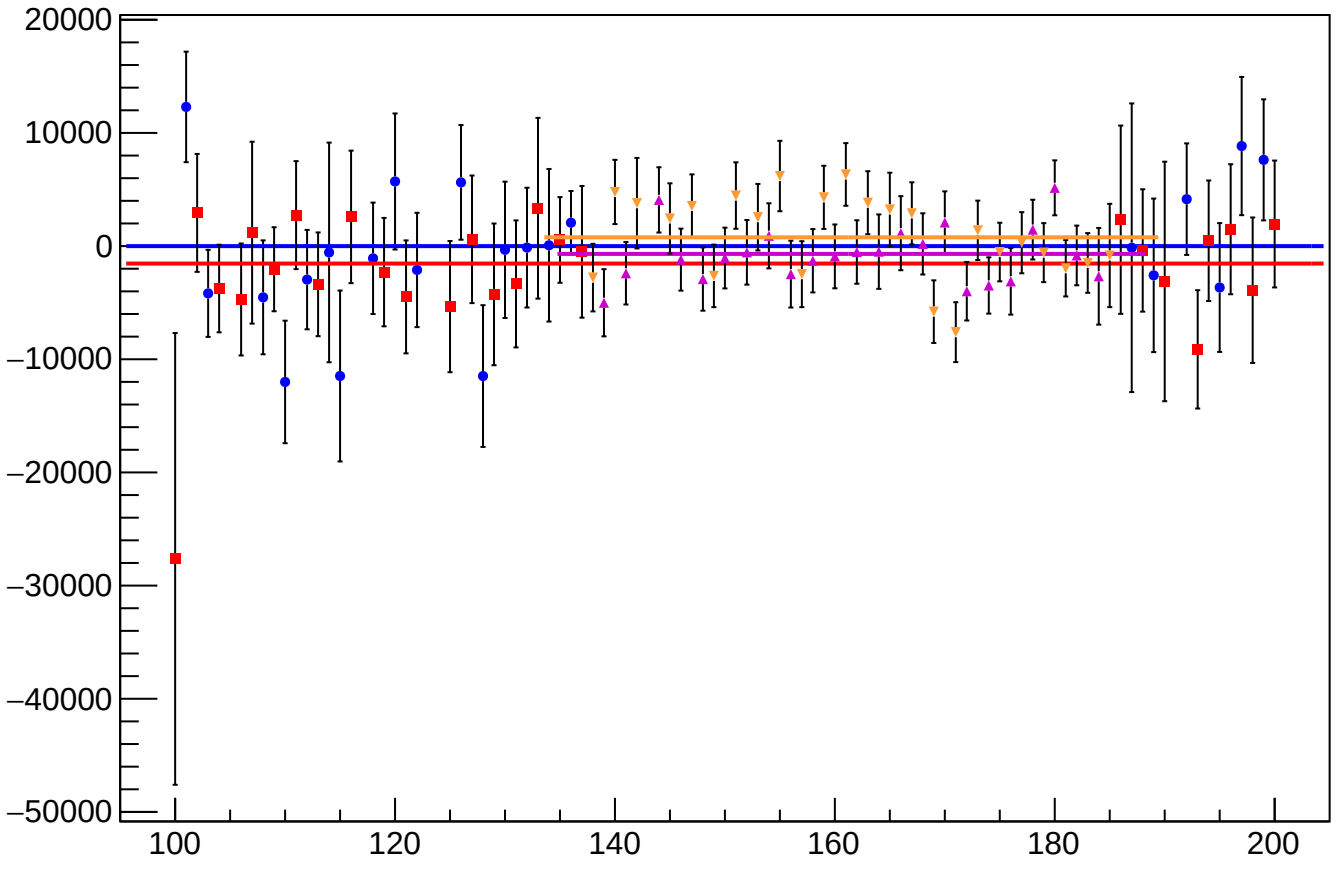
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2500.194+/-0.390 χ^2/NDF: 7951234.2/47

In: 1496.635+/-0.208 χ^2/NDF:7541509.8/44

Out: 1491.441+/-0.203 χ^2/NDF:9314243.1/49

All: 1493.981+/-0.145 χ^2/NDF: 16856072.4/9



Right In: -3.425+/-1110.915 χ^2/NDF: 27.7/21

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

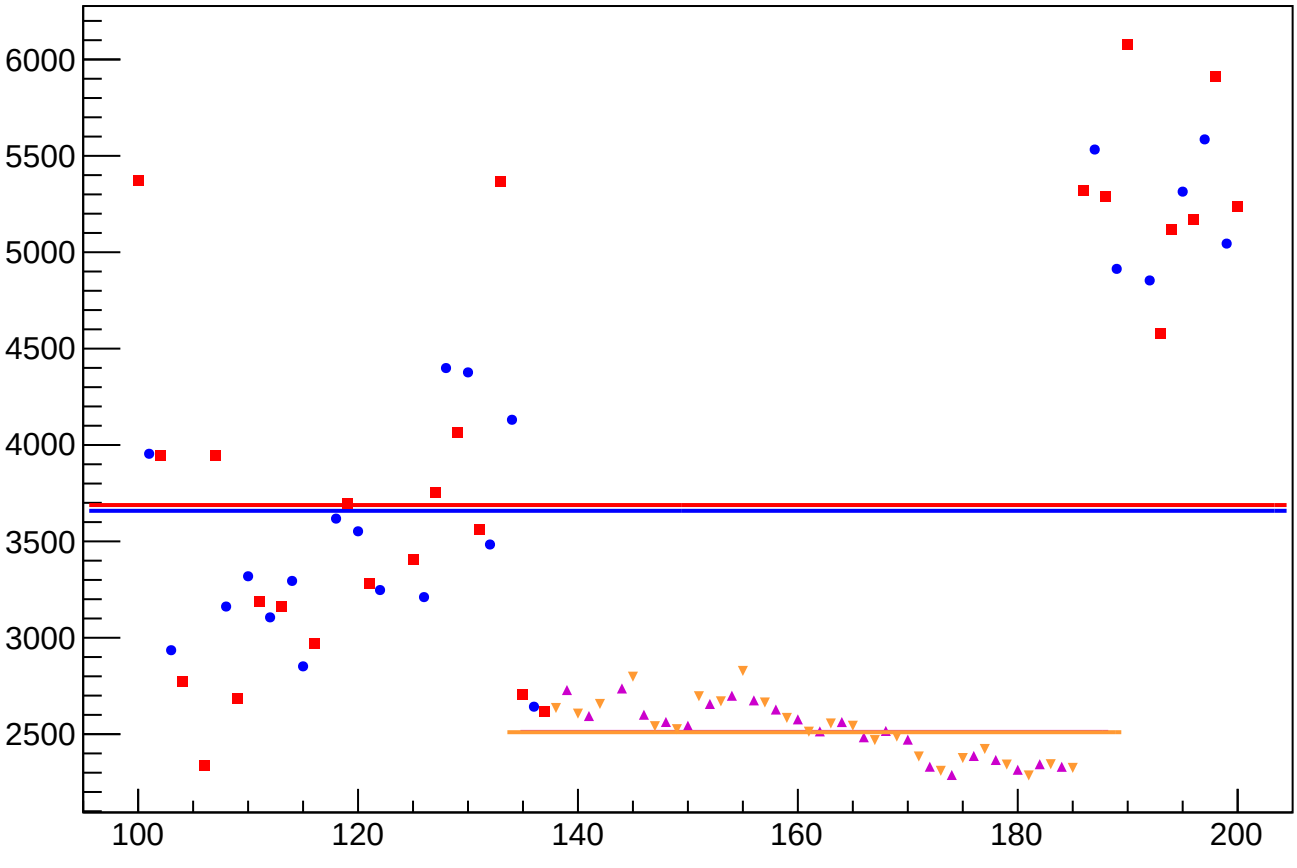
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -808.783+/-767.173 χ^2/NDF: 38.8/47

In: -539.960+/-519.300 χ^2/NDF:46.3/44

Out: 236.068+/-511.380 χ^2/NDF:53.1/49

All: -145.983+/-364.368 χ^2/NDF: 100.5/94



Right In: 3658.598+/-0.786 χ^2/NDF: 1256161.1/21

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

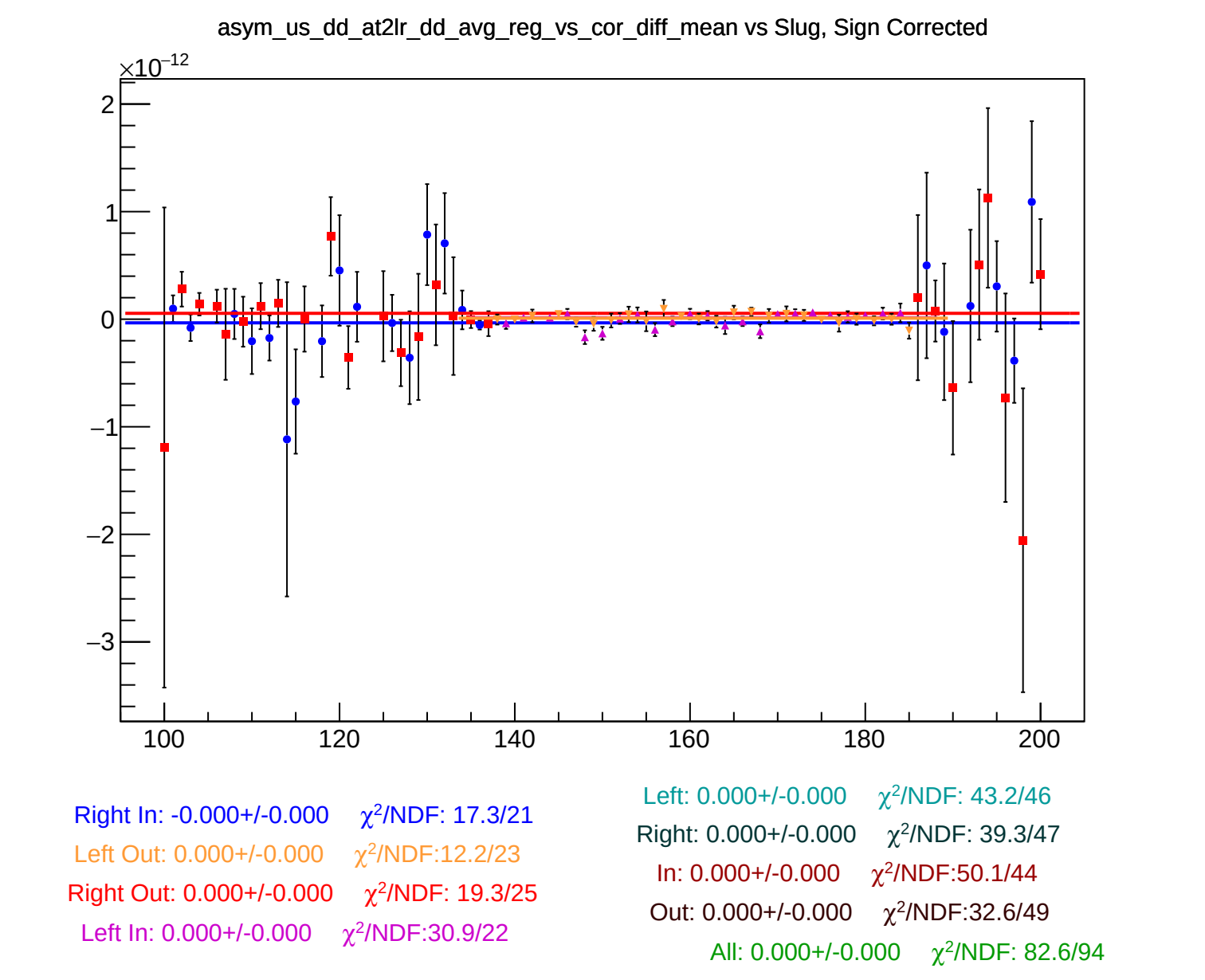
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

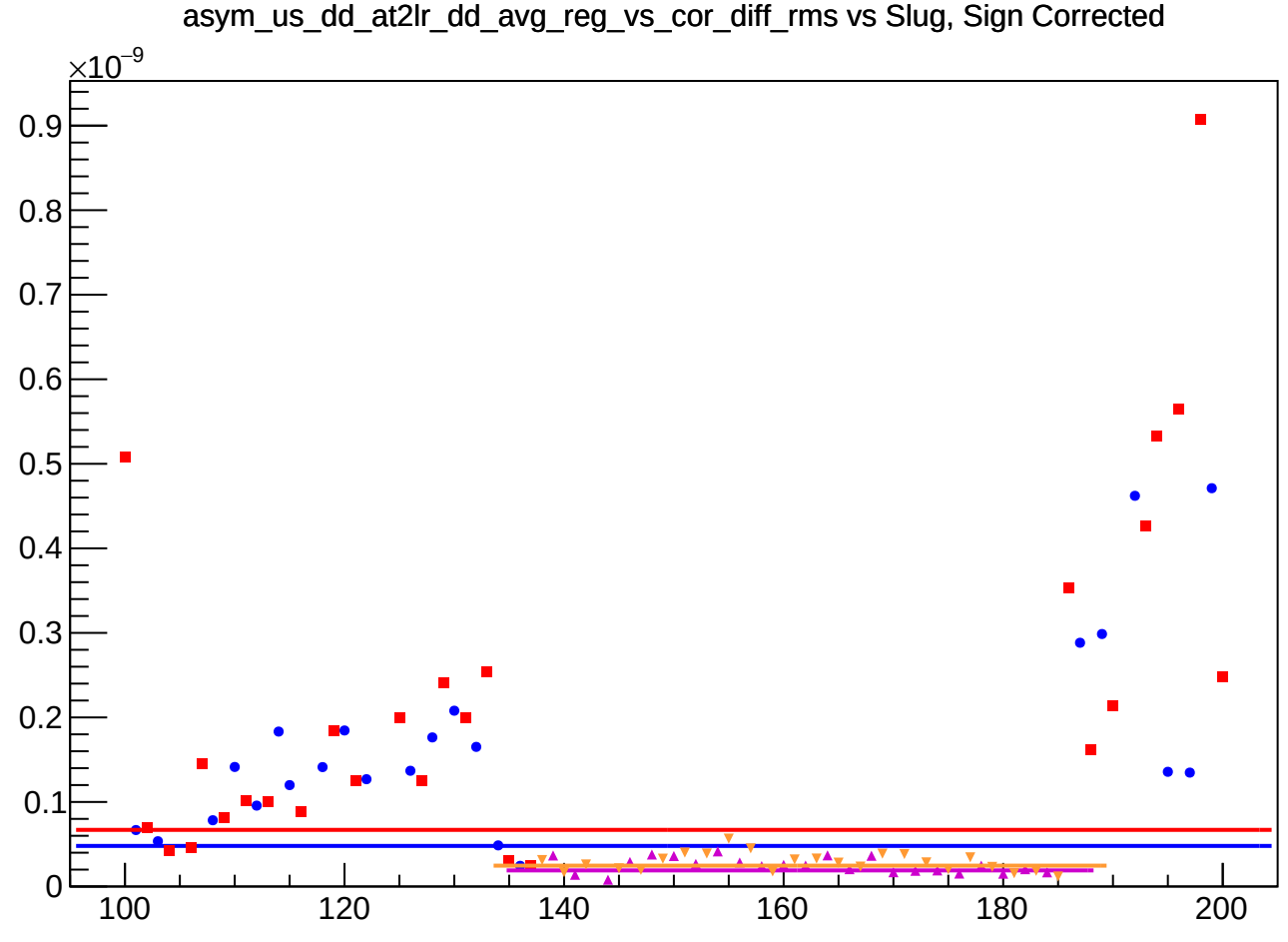
Right: 3674.227+/-0.542 χ^2/NDF: 3162352.6/47

In: 2762.242+/-0.367 χ^2/NDF:3035771.2/44

Out: 2783.968+/-0.362 χ^2/NDF:3928797.7/49

All: 2773.272+/-0.258 χ^2/NDF: 6966346.0/94


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/21
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/25
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 39.3/47
In: 0.000+/-0.000 χ²/NDF:50.1/44
Out: 0.000+/-0.000 χ²/NDF:32.6/49
All: 0.000+/-0.000 χ²/NDF: 82.6/94


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
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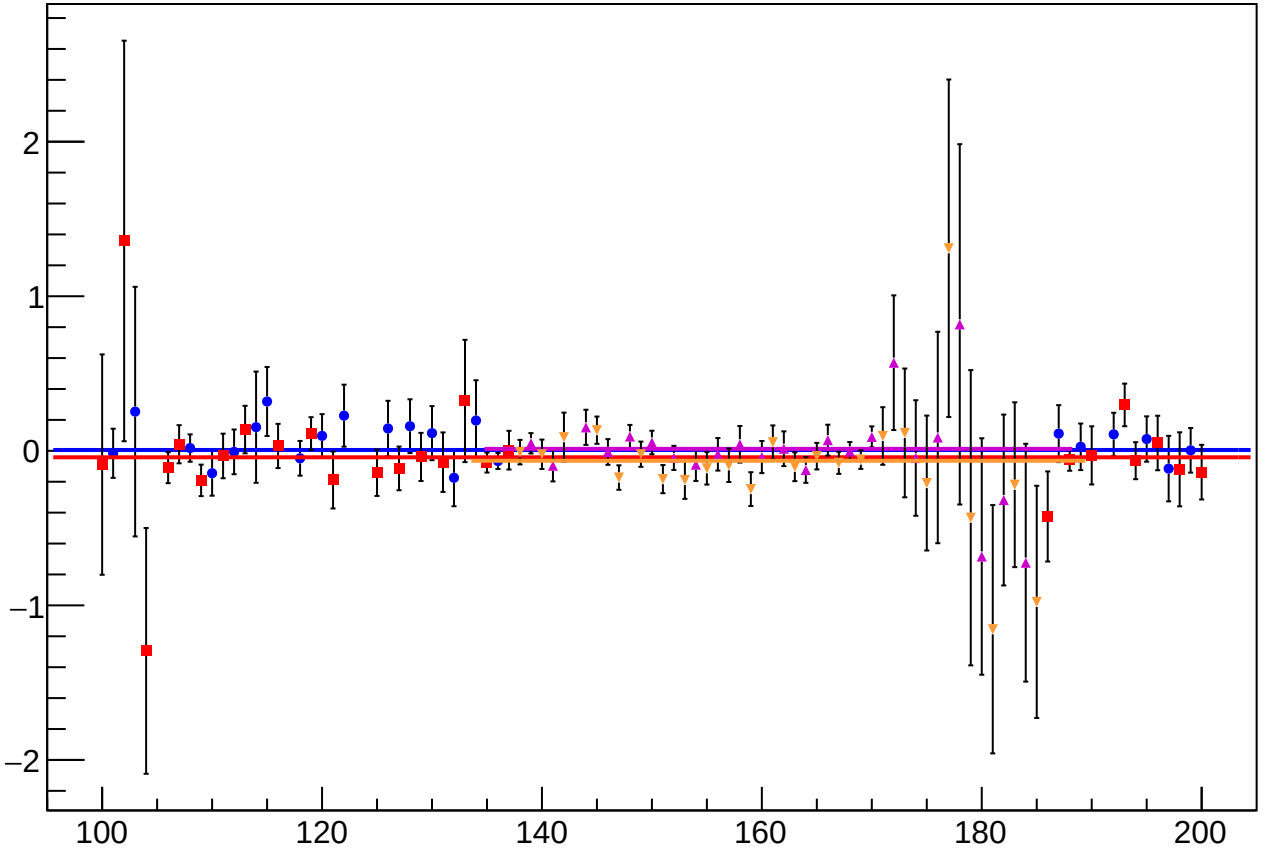
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4228886.4/21
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 5434790.0/25
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
Left: 0.000+/-0.000 χ²/NDF: 3972817.3/46
Right: 0.000+/-0.000 χ²/NDF: 9908356.6/47
In: 0.000+/-0.000 χ²/NDF:7787321.2/44
Out: 0.000+/-0.000 χ²/NDF:8740657.6/49
All: 0.000+/-0.000 χ²/NDF: 16992602.9/94

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

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

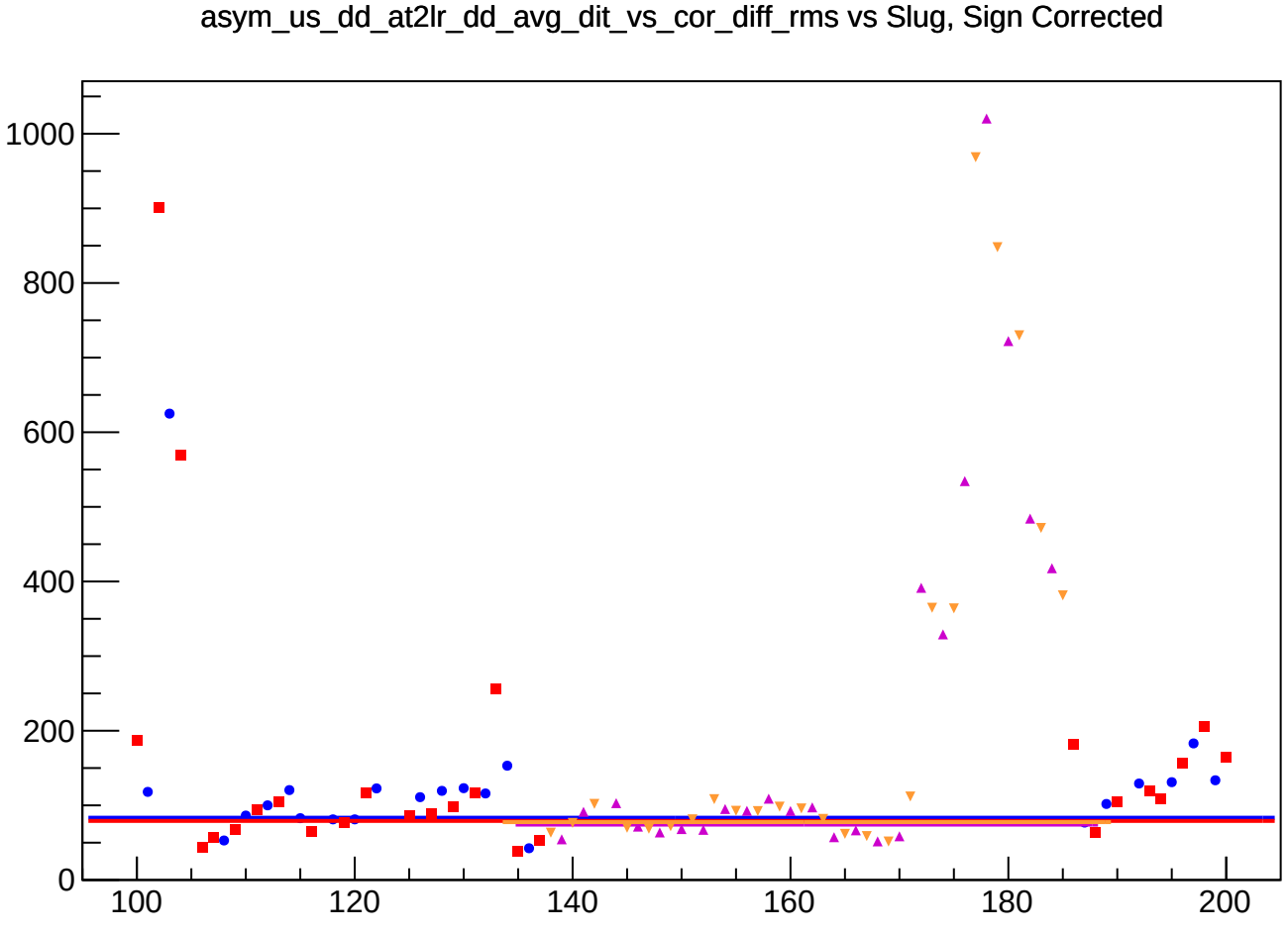
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.020+/-0.019 χ^2/NDF: 34.9/47

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.023+/-0.012 χ^2/NDF: 78.7/94



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

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

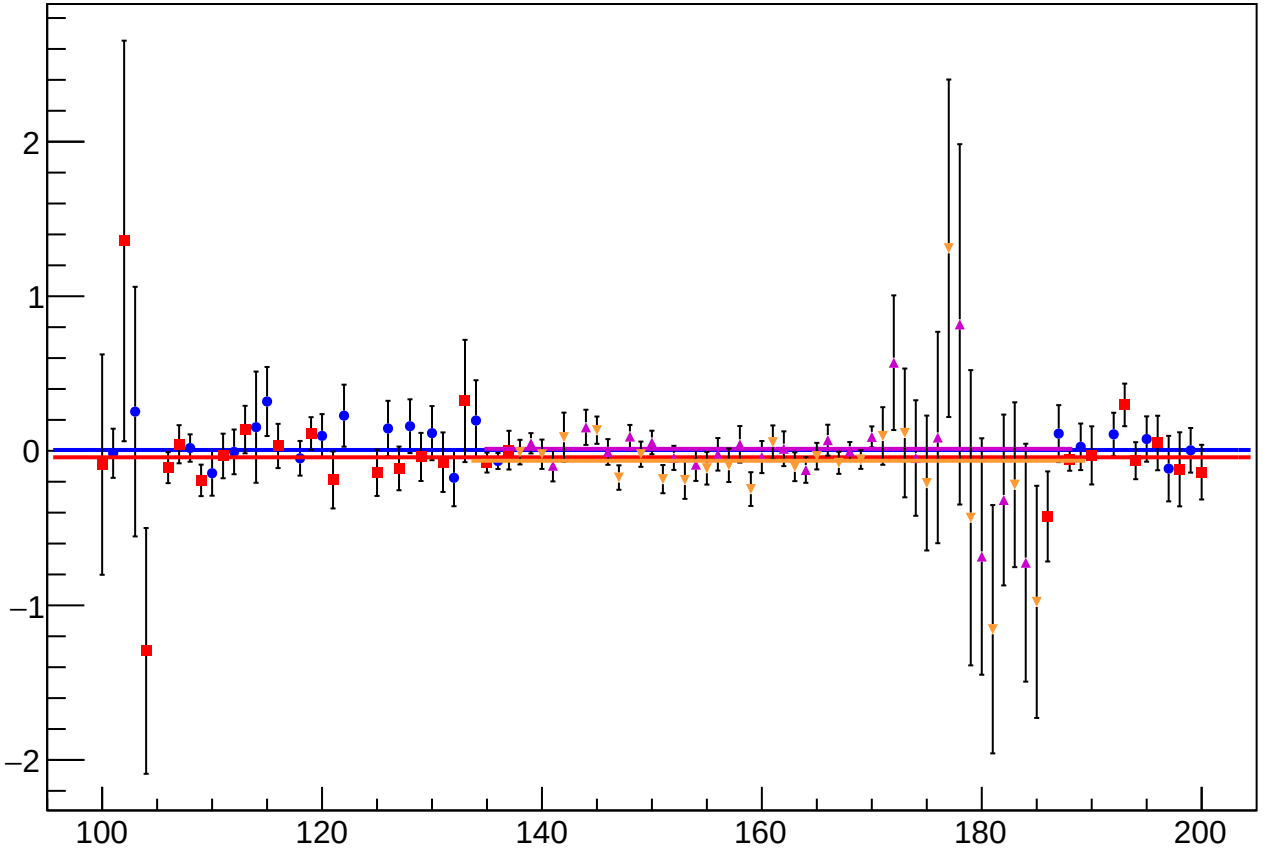
Right: 81.111+/-0.014 χ^2/NDF: 9844279.8/47

In: 77.435+/-0.012 χ^2/NDF:12843493.8/44

Out: 78.211+/-0.012 χ^2/NDF:13959755.7/49

All: 77.825+/-0.008 χ^2/NDF: 26805333.9/94

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

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

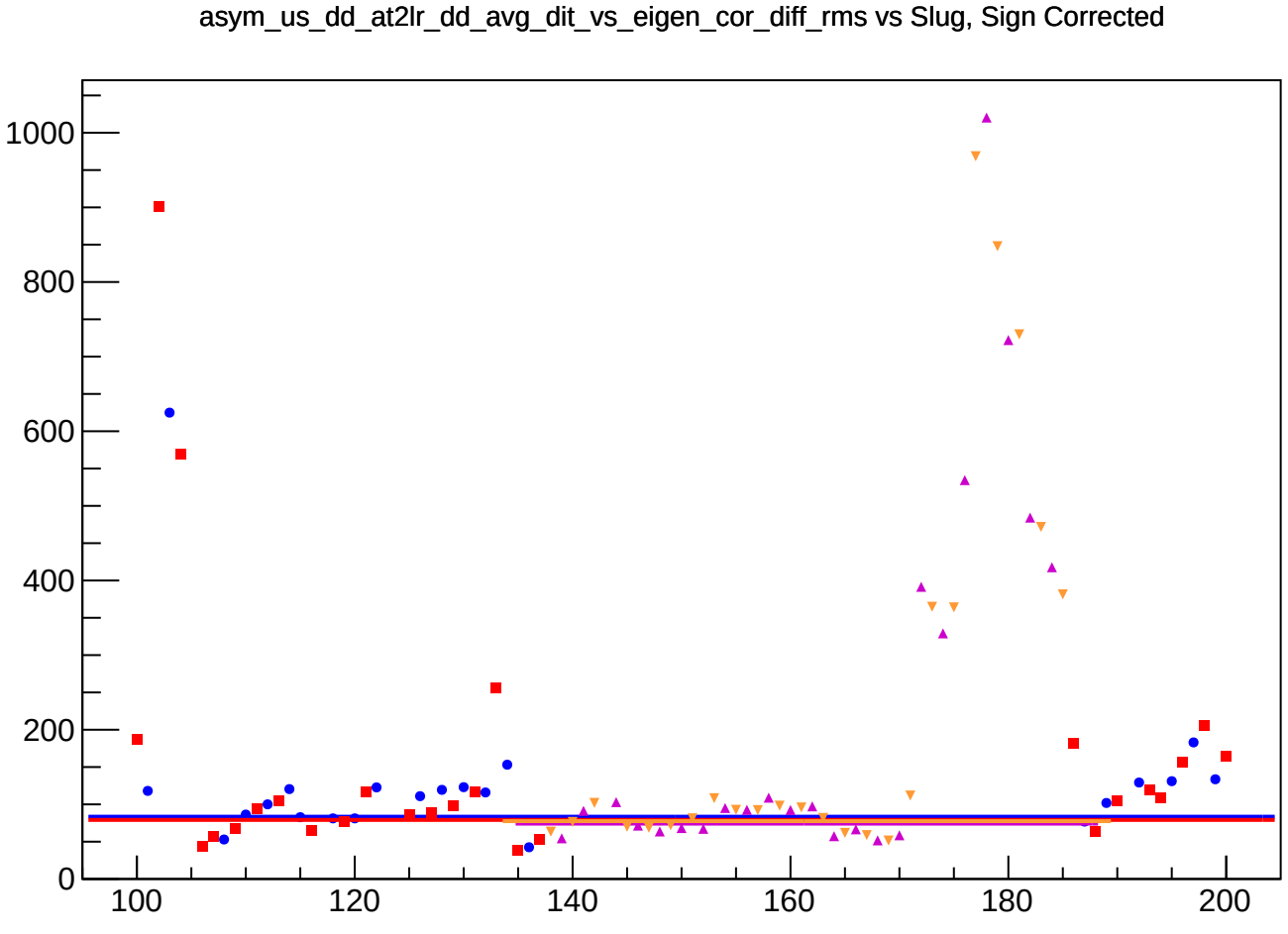
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.020+/-0.019 χ^2/NDF: 34.9/47

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.023+/-0.012 χ^2/NDF: 78.7/94



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

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

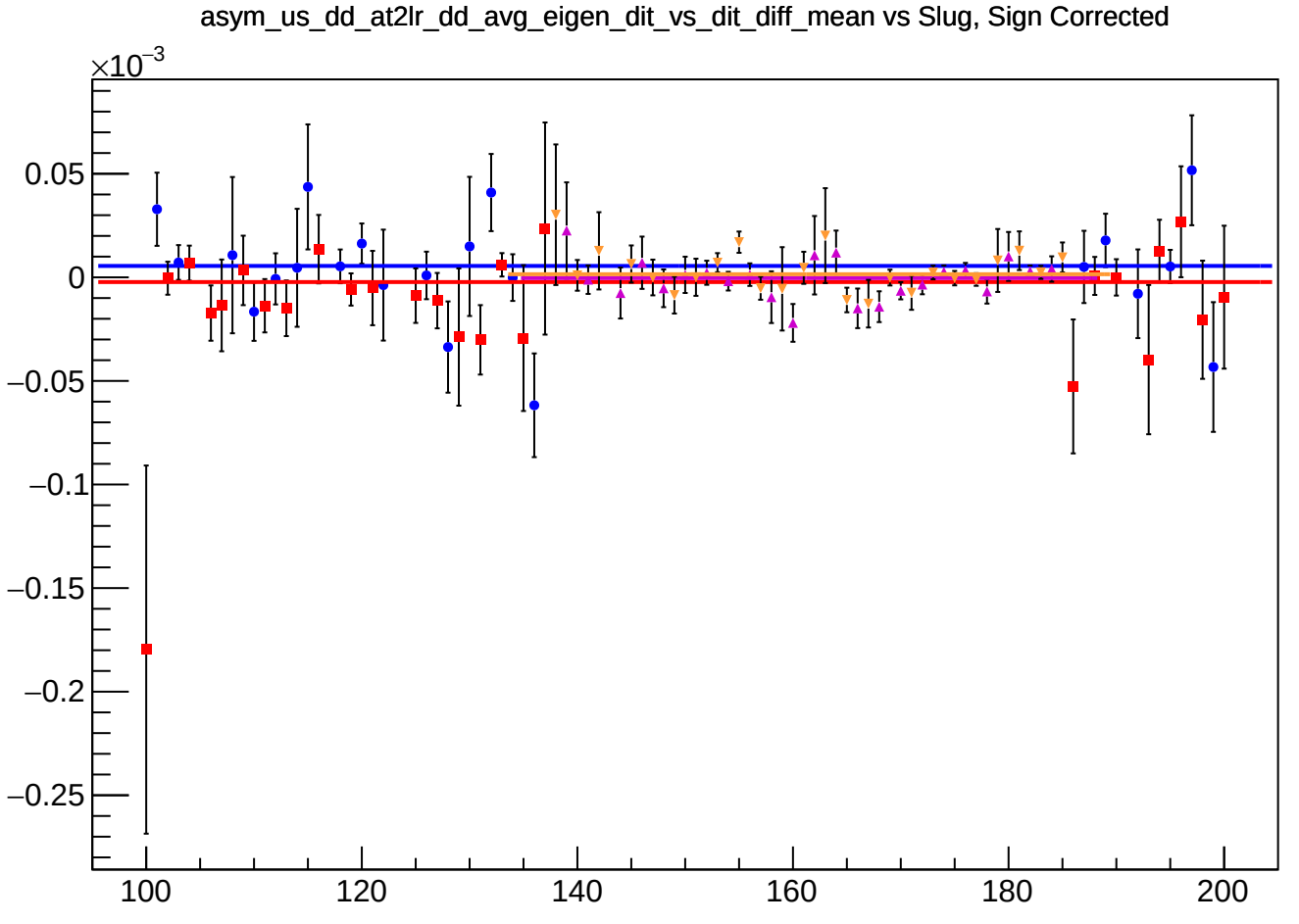
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 81.111+/-0.014 χ^2/NDF: 9844279.8/47

In: 77.435+/-0.012 χ^2/NDF:12843493.8/44

Out: 78.211+/-0.012 χ^2/NDF:13959755.7/49

All: 77.825+/-0.008 χ^2/NDF: 26805333.9/94



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/21

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

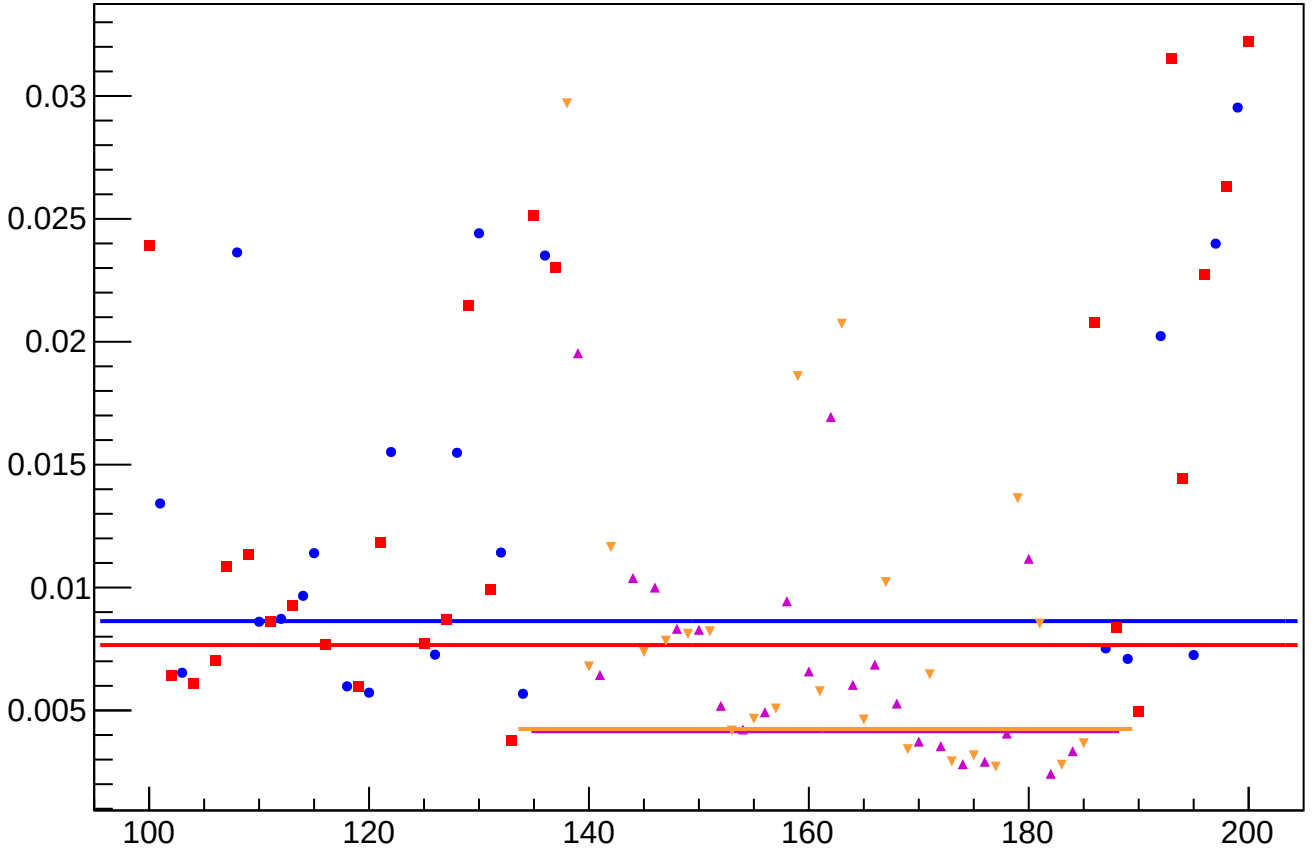
Right: 0.000+/-0.000 χ^2/NDF: 56.5/47

In: 0.000+/-0.000 χ^2/NDF:57.3/44

Out: 0.000+/-0.000 χ^2/NDF:52.1/49

All: 0.000+/-0.000 χ^2/NDF: 109.4/94

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4927850.0/21

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

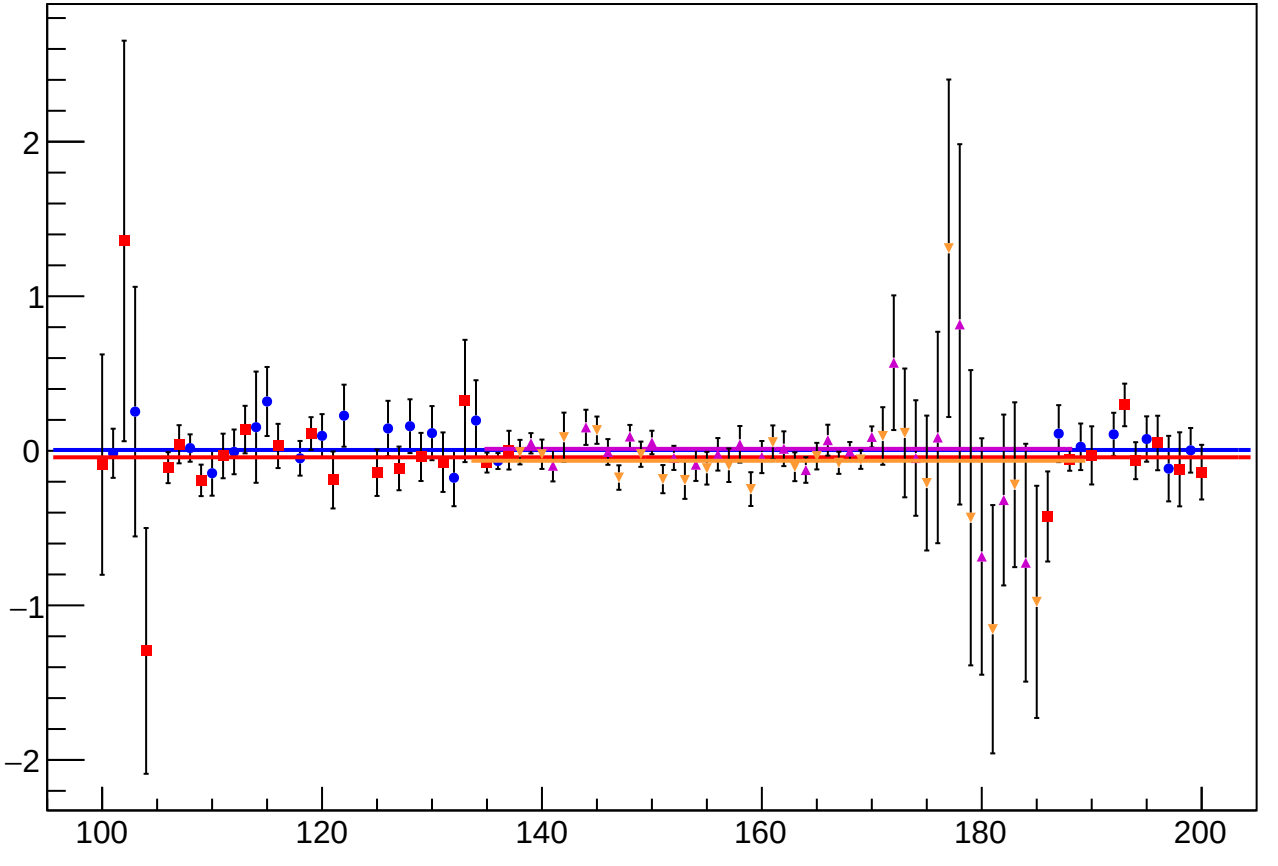
Right: 0.008+/-0.000 χ^2/NDF: 11950507.8/47

In: 0.005+/-0.000 χ^2/NDF:15683493.3/44

Out: 0.005+/-0.000 χ^2/NDF:18605481.8/49

All: 0.005+/-0.000 χ^2/NDF: 34295000.7/94

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

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

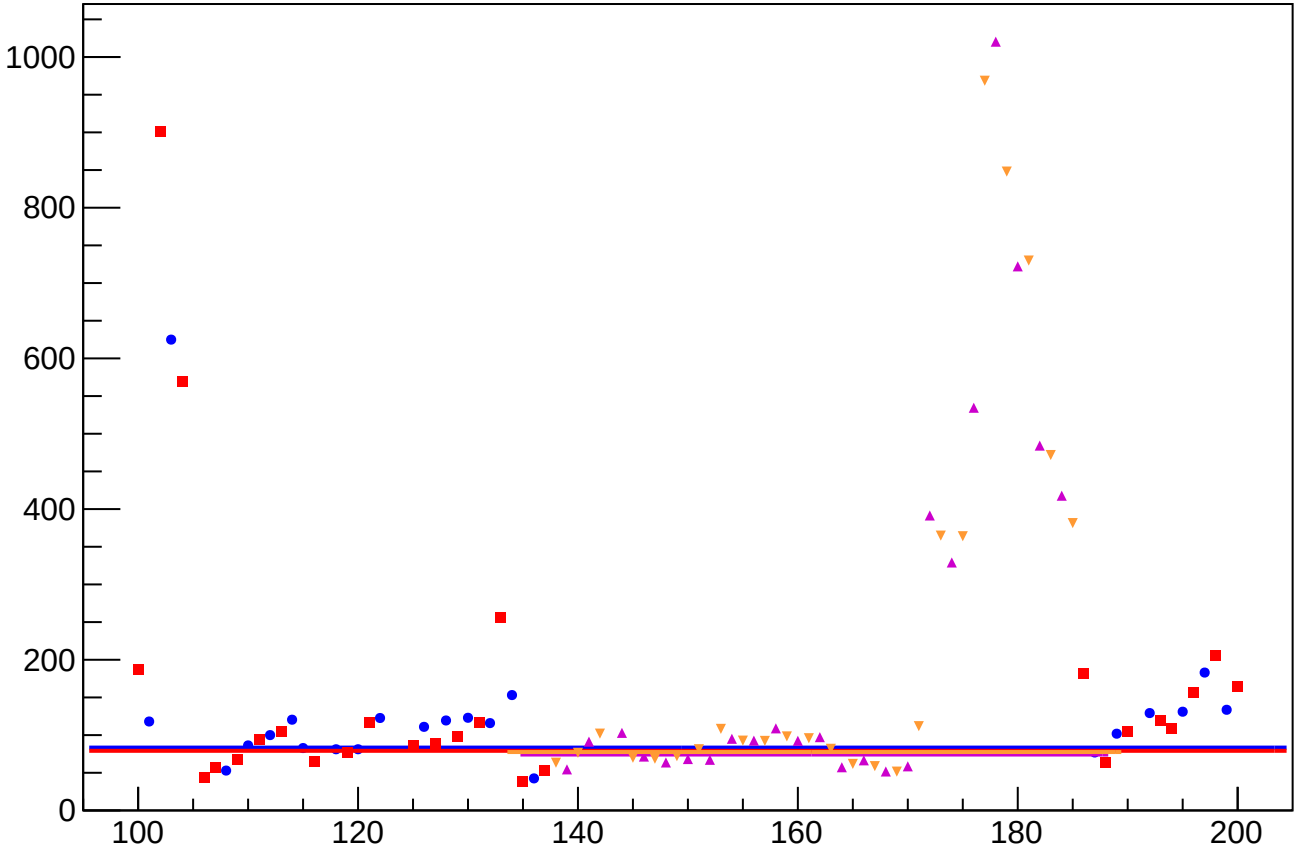
Right: -0.020+/-0.019 χ^2/NDF: 34.9/47

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.023+/-0.012 χ^2/NDF: 78.7/94

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

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

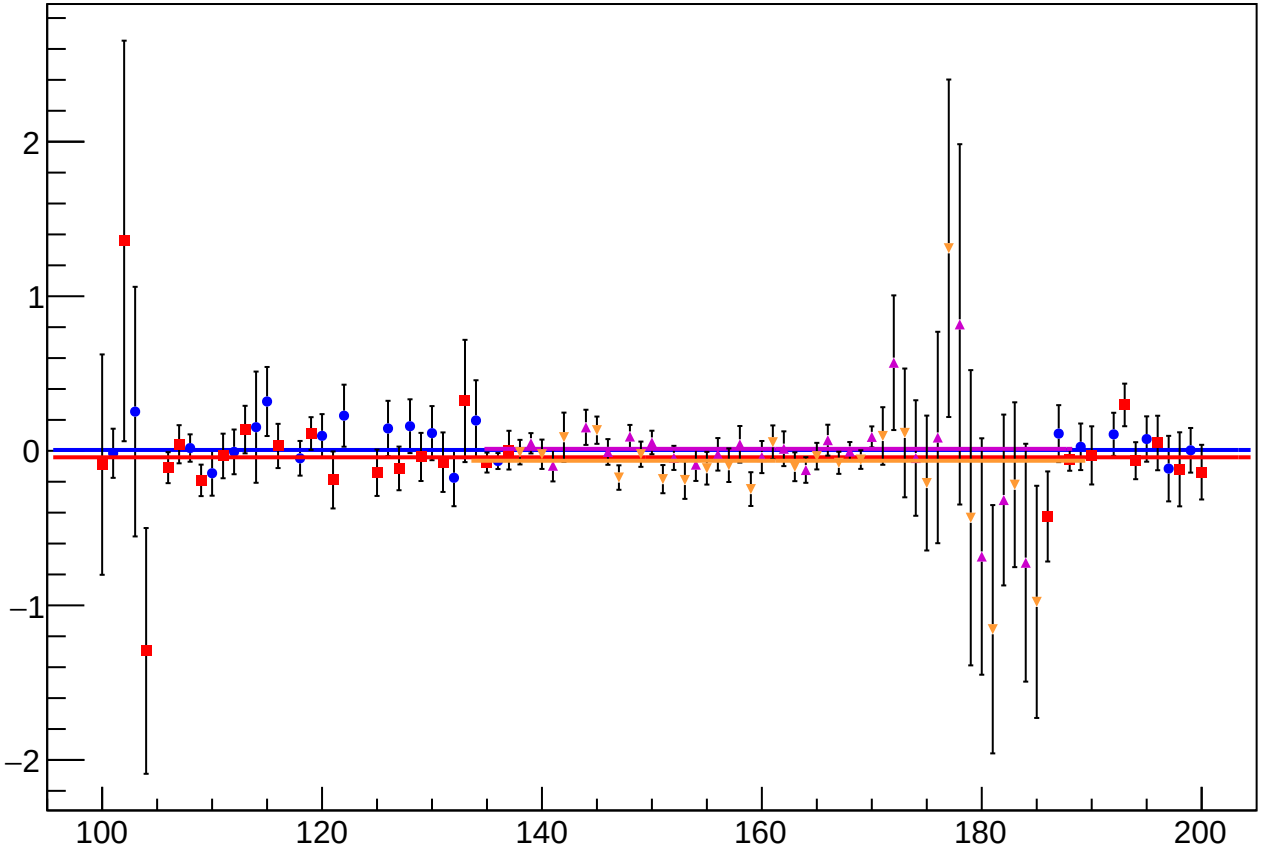
Right: 81.116+/-0.014 χ^2/NDF: 9842802.4/47

In: 77.443+/-0.012 χ^2/NDF:12840460.6/44

Out: 78.207+/-0.012 χ^2/NDF:13961144.9/49

All: 77.827+/-0.008 χ^2/NDF: 26803625.6/94

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

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

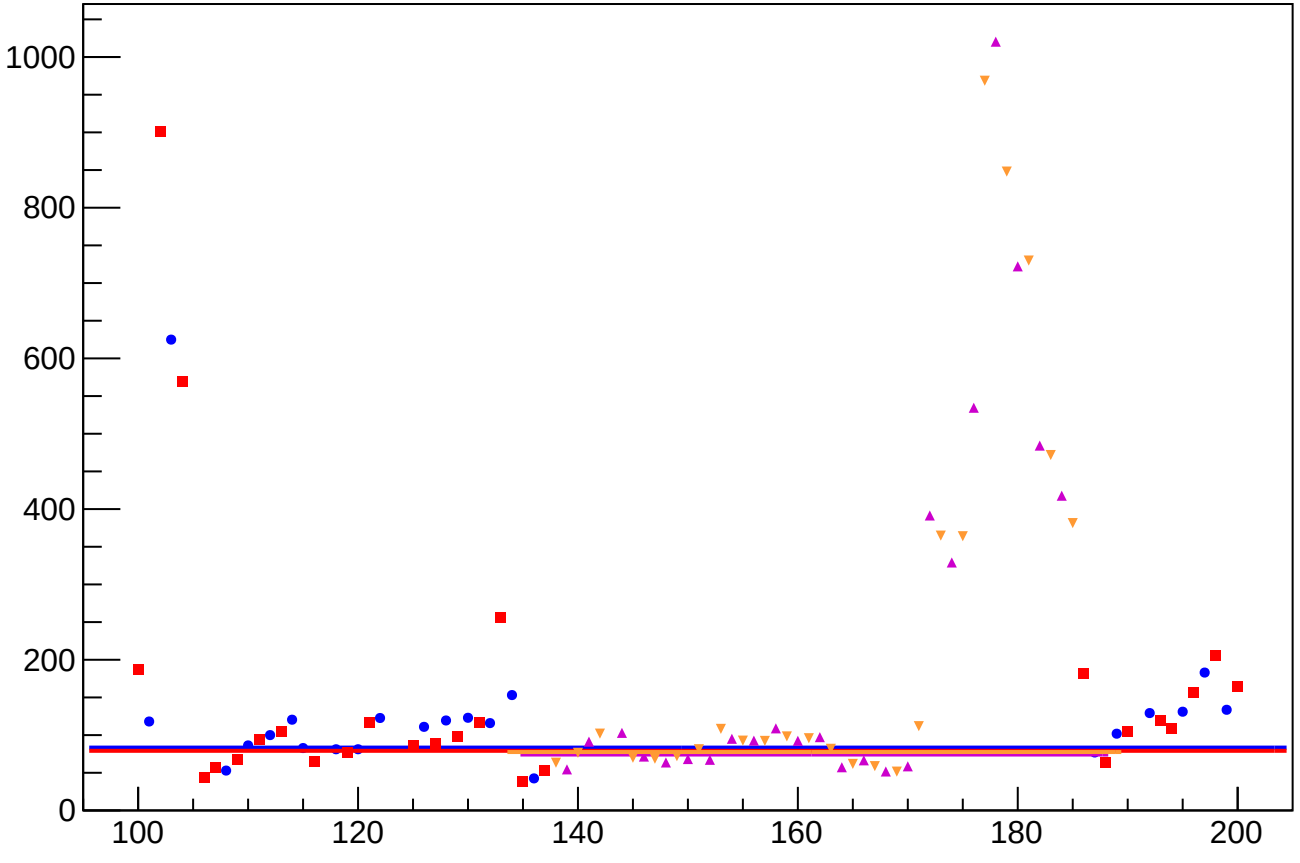
Right: -0.020+/-0.019 χ^2/NDF: 34.9/47

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.055+/-0.017 χ^2/NDF:44.4/49

All: -0.023+/-0.012 χ^2/NDF: 78.7/94

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

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

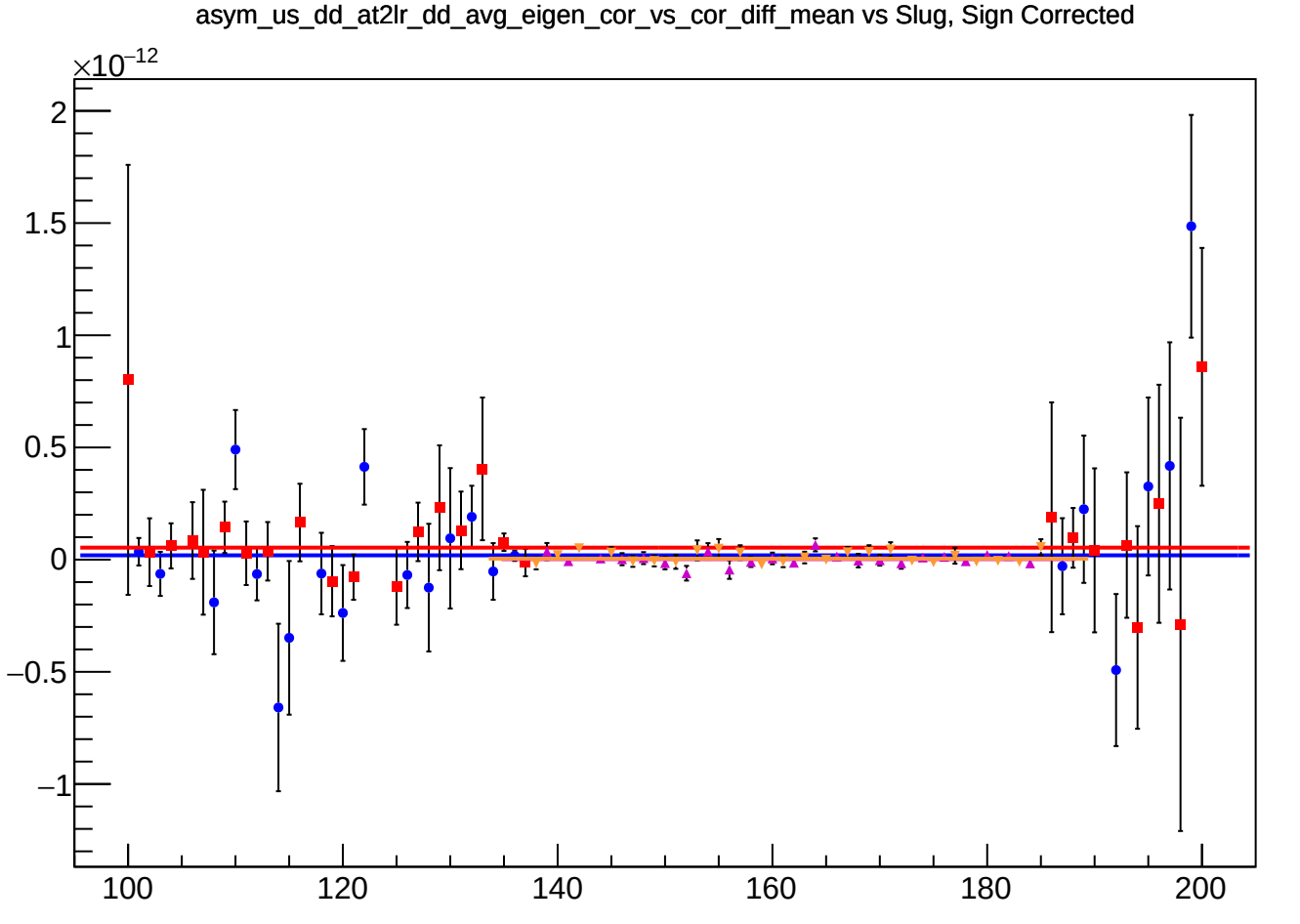
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 81.116+/-0.014 χ^2/NDF: 9842802.4/47

In: 77.443+/-0.012 χ^2/NDF:12840460.6/44

Out: 78.207+/-0.012 χ^2/NDF:13961144.9/49

All: 77.827+/-0.008 χ^2/NDF: 26803625.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

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

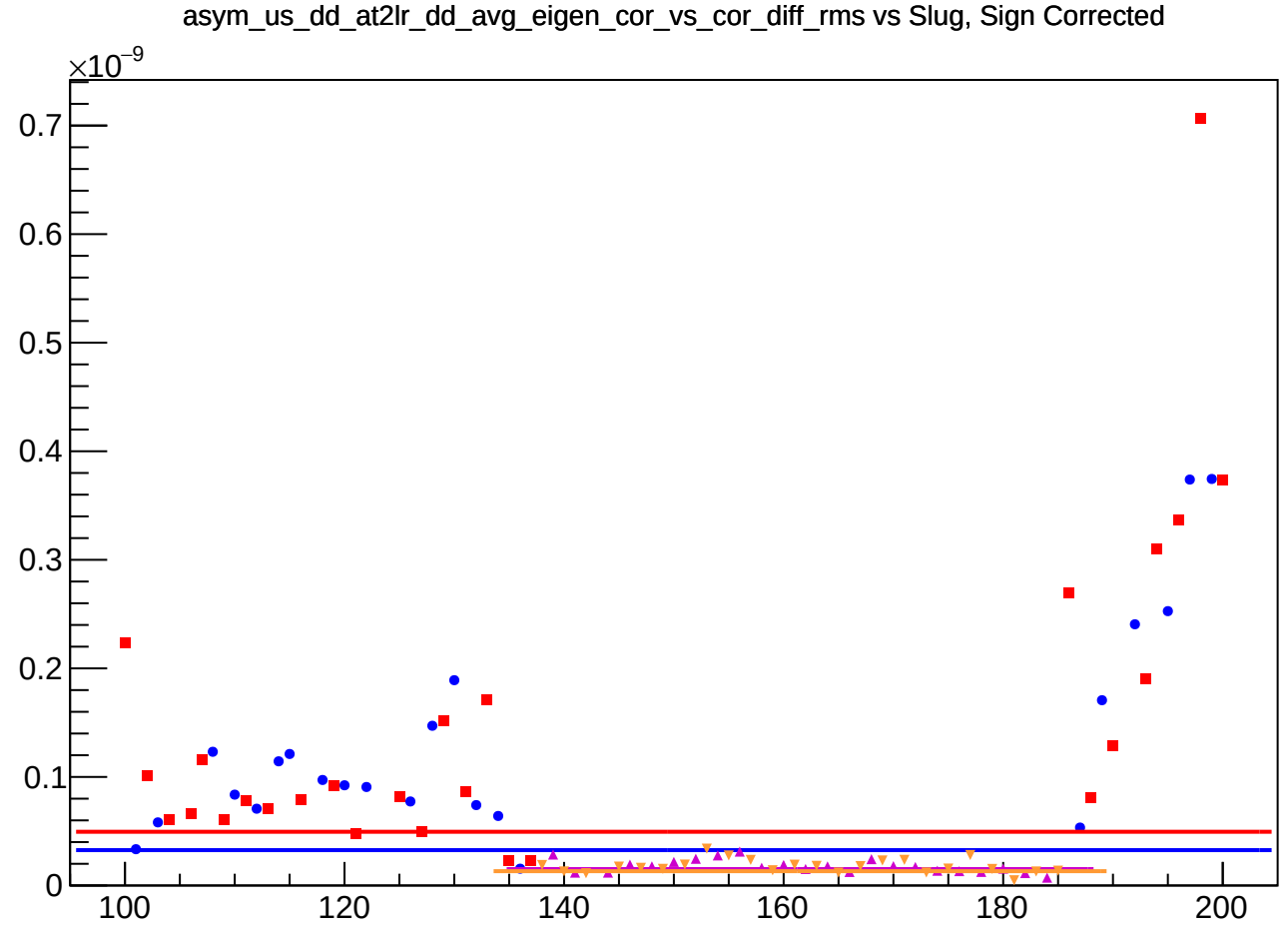
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 49.7/47

In: 0.000+/-0.000 χ^2/NDF:54.2/44

Out: 0.000+/-0.000 χ^2/NDF:38.1/49

All: 0.000+/-0.000 χ^2/NDF: 92.5/94



Right In: 0.000+/-0.000 χ^2/NDF: 7582112.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6840496.0/25

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

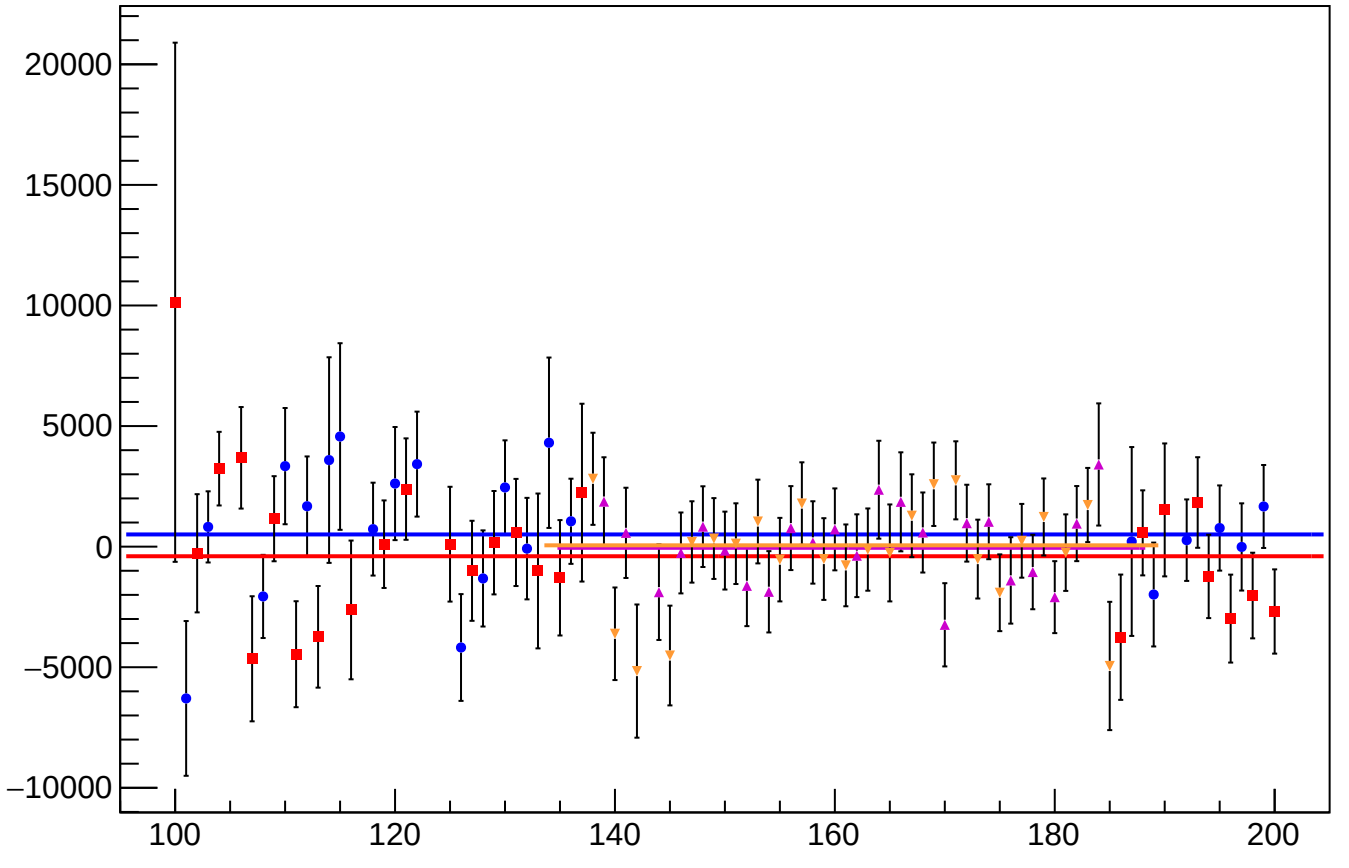
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 15025637.3/47

In: 0.000+/-0.000 χ^2/NDF:11301956.9/44

Out: 0.000+/-0.000 χ^2/NDF:15461754.7/49

All: 0.000+/-0.000 χ^2/NDF: 26923957.0/94



Right In: 506.356+/-446.141 χ^2/NDF: 22.3/21

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

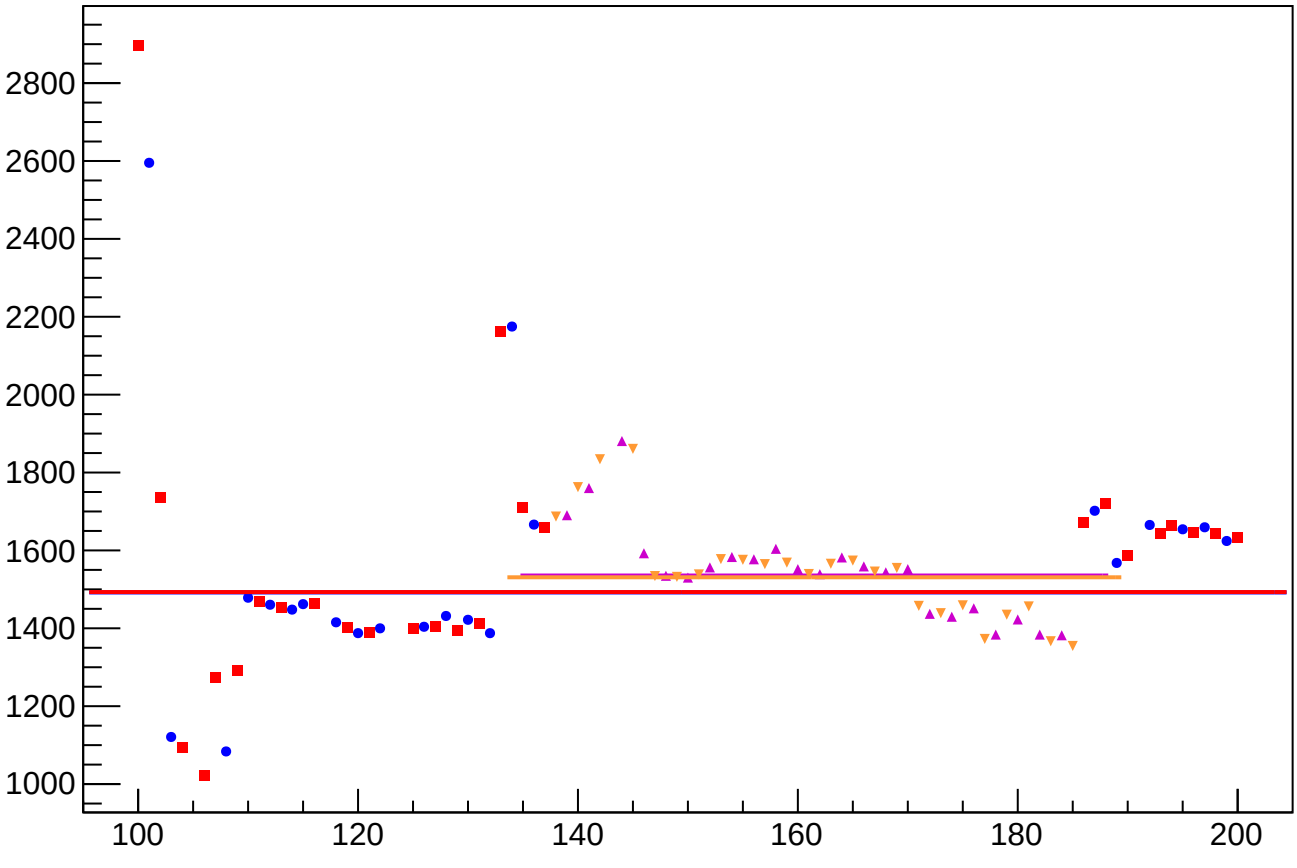
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 24.752+/-305.041 χ^2/NDF: 56.4/47

In: 170.157+/-279.943 χ^2/NDF:40.0/44

Out: -135.820+/-271.196 χ^2/NDF:61.1/49

All: 12.314+/-194.784 χ^2/NDF: 101.7/94



Right In: 1492.086+/-0.315 χ^2/NDF: 668492.7/21

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

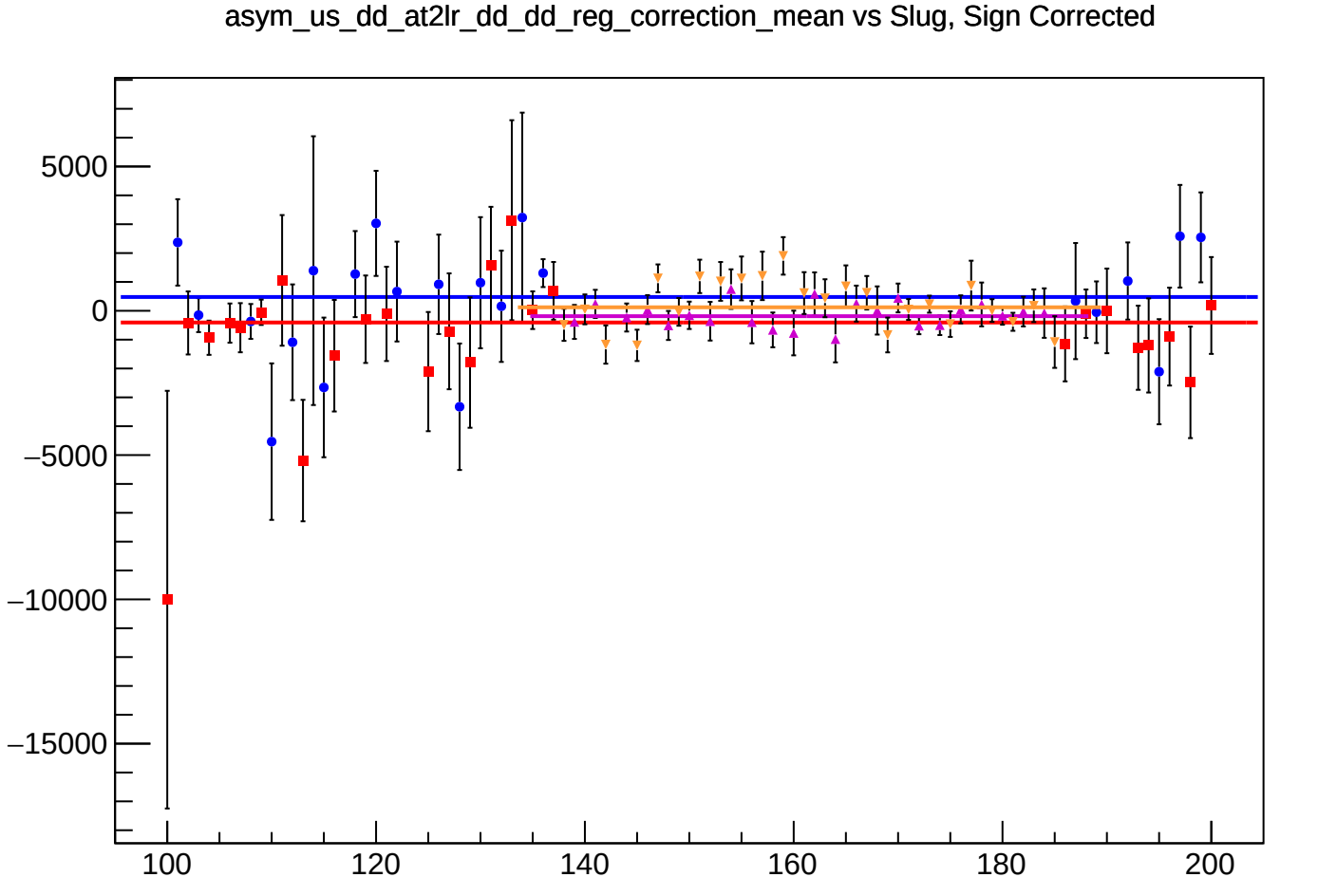
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1492.612+/-0.216 χ^2/NDF: 1250757.7/47

In: 1518.437+/-0.198 χ^2/NDF:872434.4/44

Out: 1515.023+/-0.192 χ^2/NDF:795321.0/49

All: 1516.676+/-0.138 χ^2/NDF: 1667908.9/94



Right In: 478.132+/-251.198 χ^2/NDF: 25.0/21

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

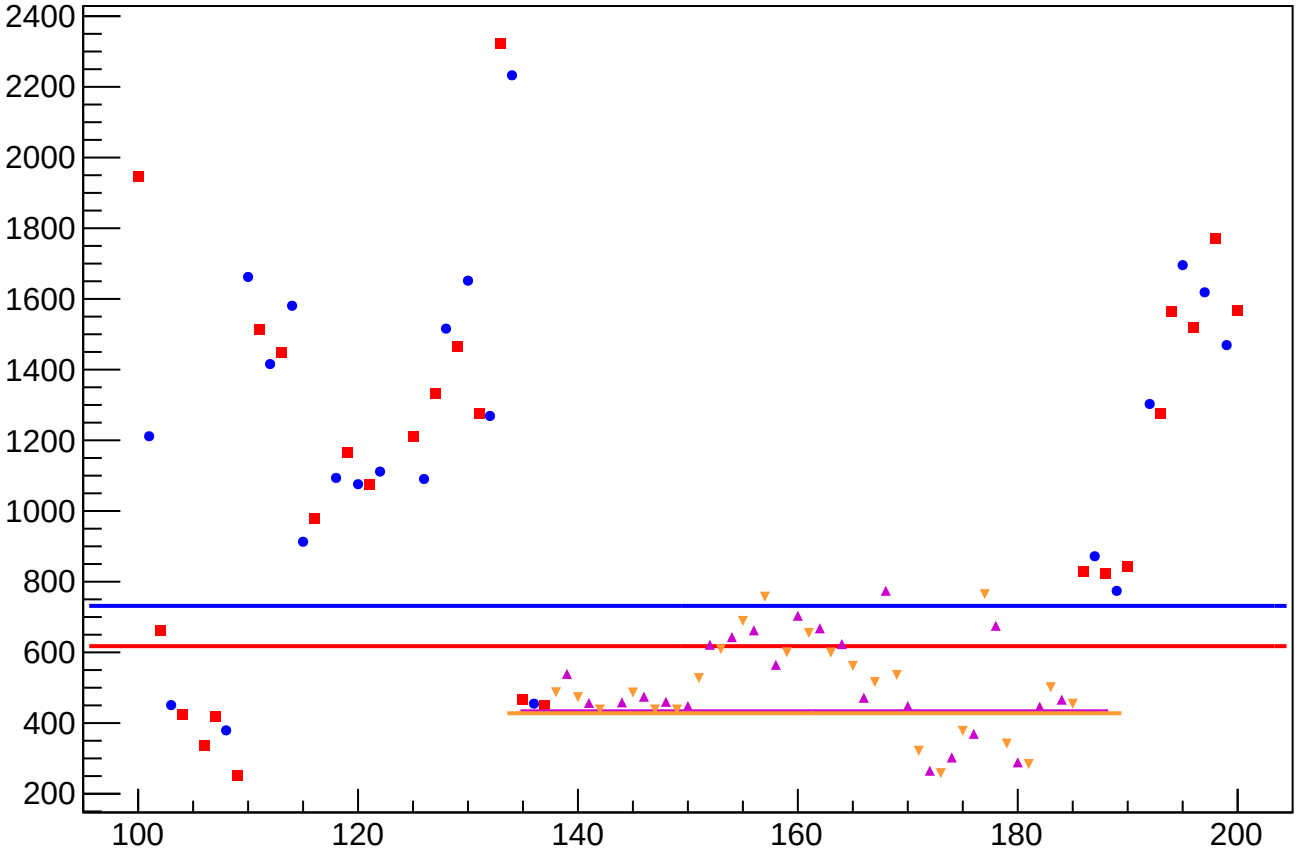
Right: -41.454+/-161.288 χ^2/NDF: 48.7/47

In: -84.745+/-98.422 χ^2/NDF:42.5/44

Out: 16.091+/-93.992 χ^2/NDF:65.1/49

All: -32.007+/-67.975 χ^2/NDF: 108.2/94

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 731.525+/-0.178 χ^2/NDF: 5880710.7/21

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

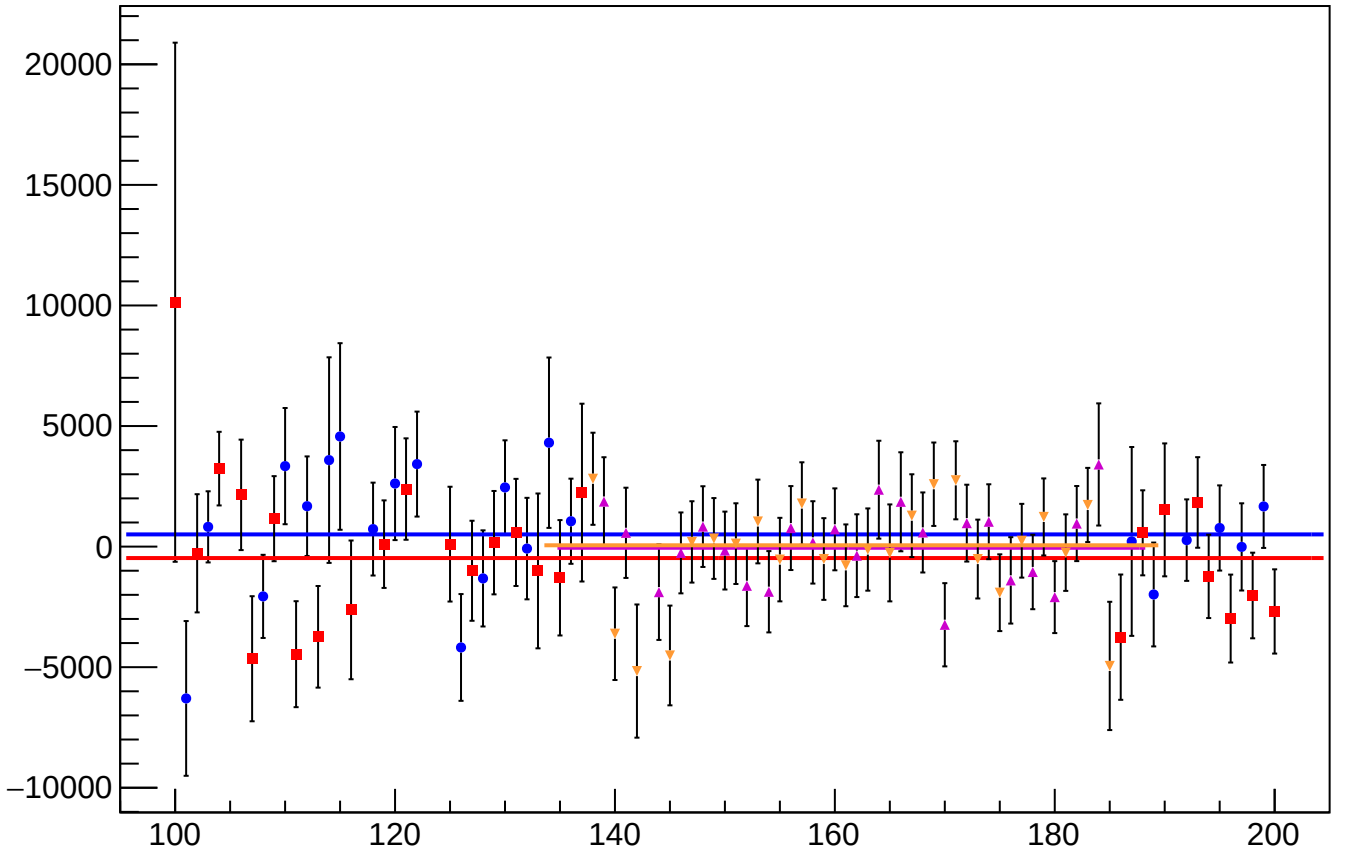
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

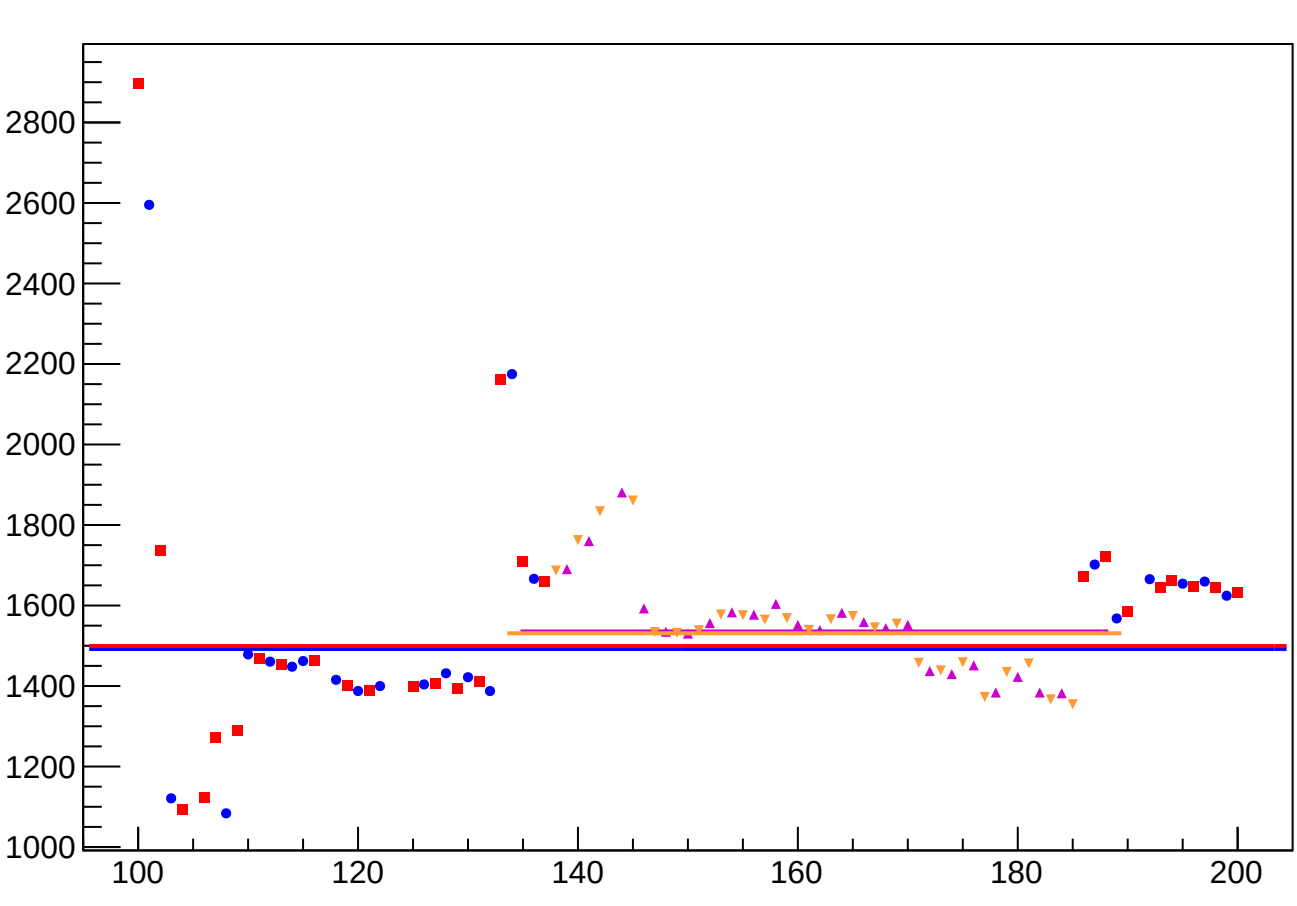
Right: 664.566+/-0.114 χ^2/NDF: 14156745.7/47

In: 479.068+/-0.070 χ^2/NDF:11515166.6/44

Out: 465.695+/-0.066 χ^2/NDF:12525079.4/49

All: 472.074+/-0.048 χ^2/NDF: 24059558.1/94


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: 506.334+/-446.141 χ²/NDF: 22.3/21
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: -14.641+/-305.537 χ²/NDF: 54.3/47
In: 170.101+/-279.943 χ²/NDF:40.0/44
Out: -167.362+/-271.545 χ²/NDF:58.8/49
All: -3.768+/-194.913 χ²/NDF: 99.5/94



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

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

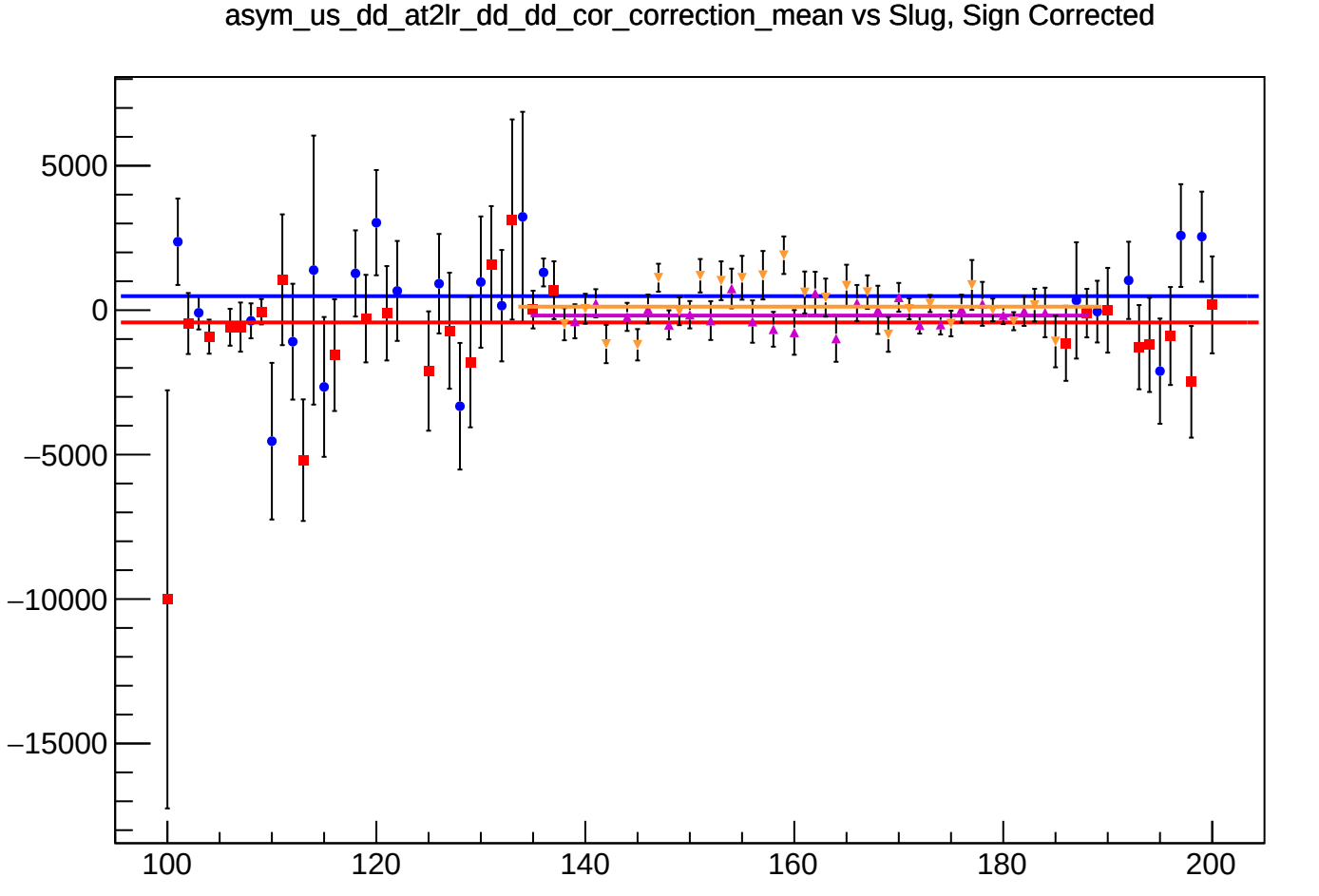
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1495.908+/-0.216 χ^2/NDF: 1203322.4/47

In: 1518.437+/-0.198 χ^2/NDF:872434.8/44

Out: 1517.684+/-0.192 χ^2/NDF:744725.8/49

All: 1518.049+/-0.138 χ^2/NDF: 1617168.0/94



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

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

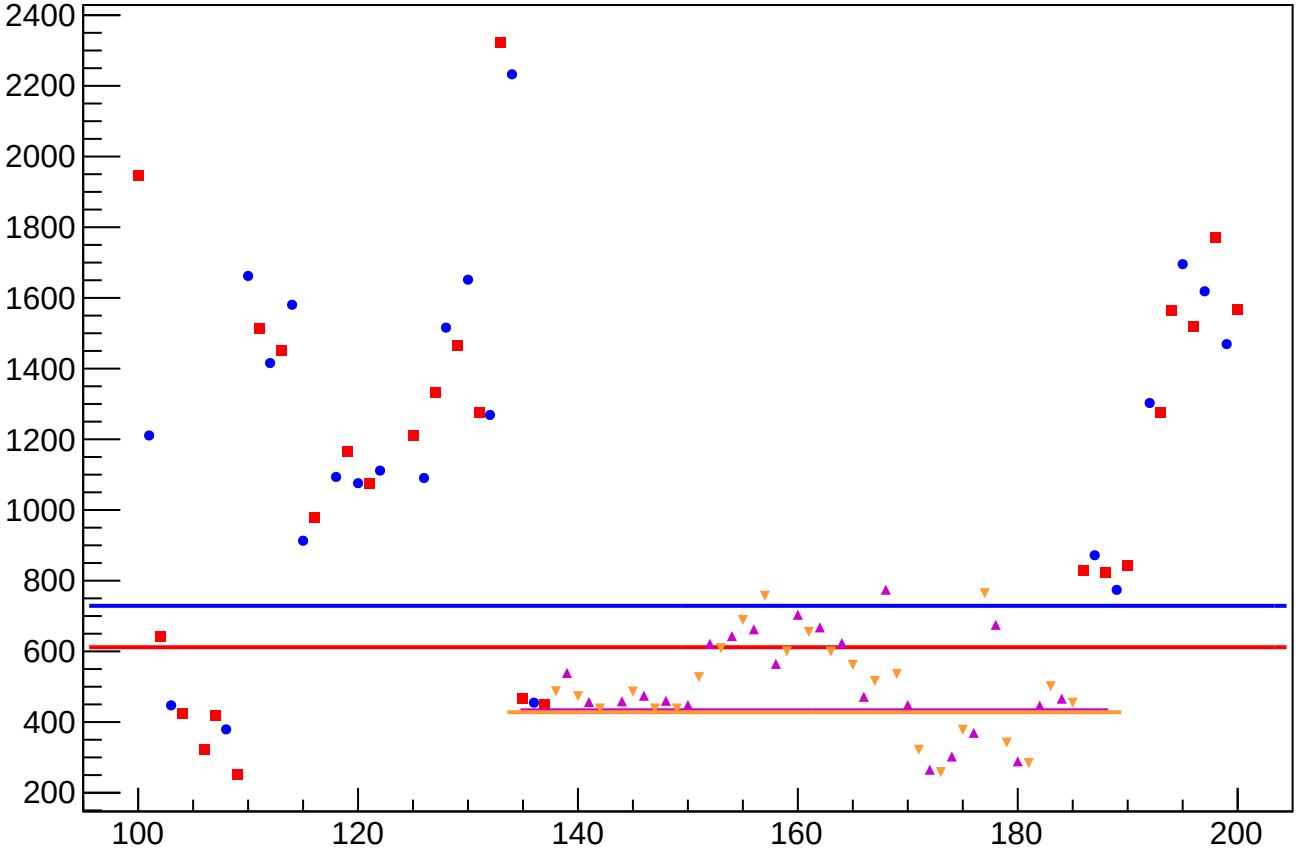
Right: -51.629+/-160.263 χ^2/NDF: 49.1/47

In: -83.246+/-98.368 χ^2/NDF:42.5/44

Out: 10.925+/-93.835 χ^2/NDF:65.6/49

All: -33.940+/-67.897 χ^2/NDF: 108.6/94

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

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

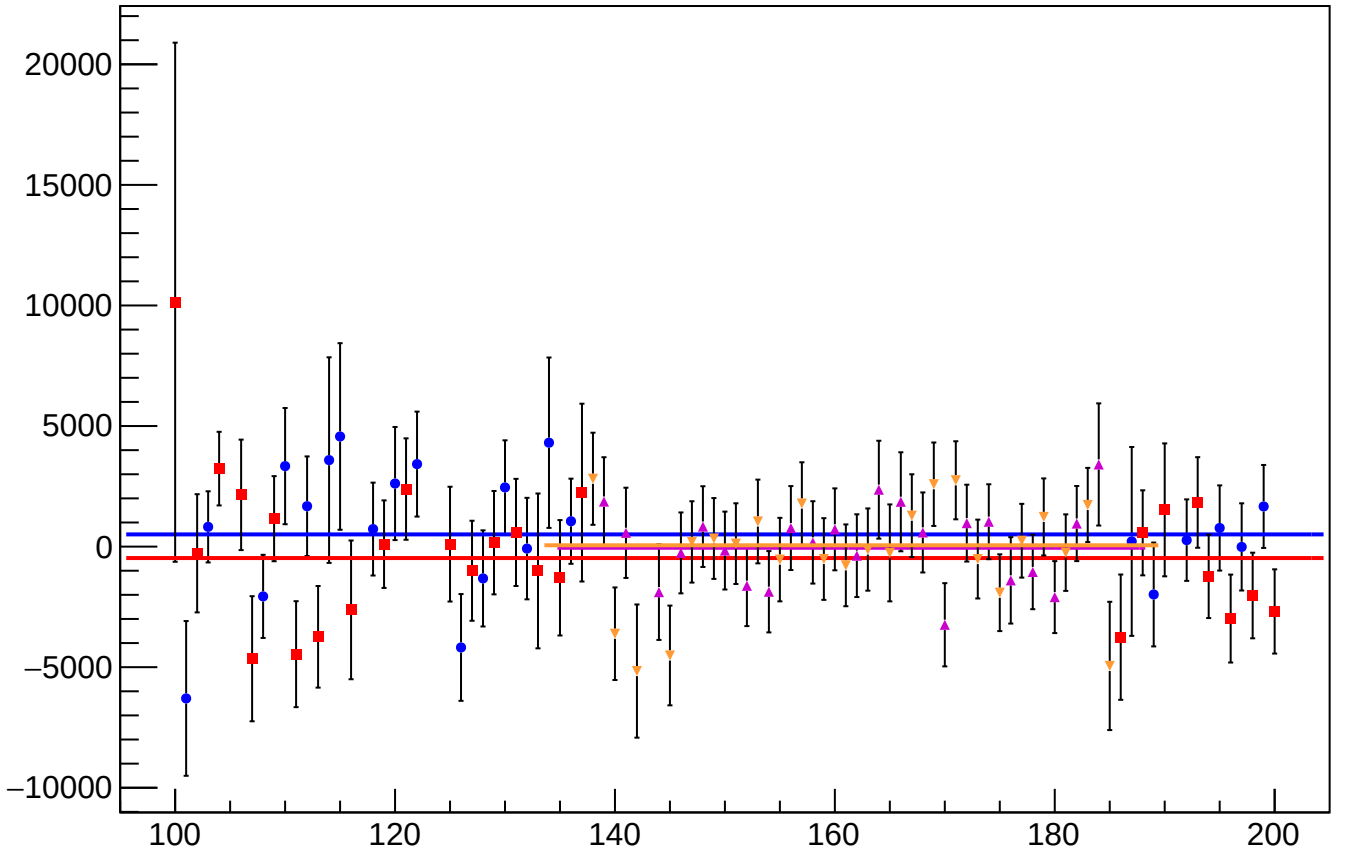
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

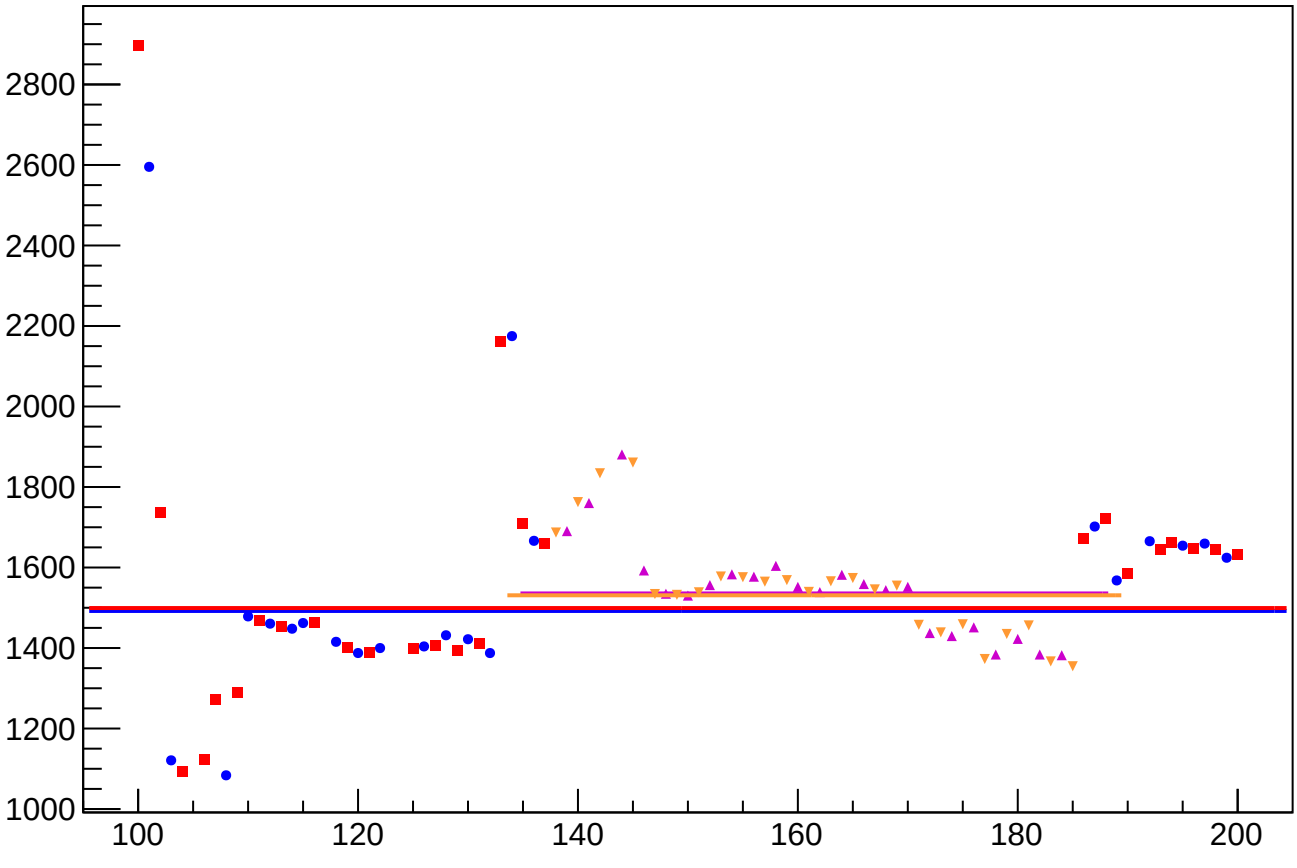
Right: 659.737+/-0.113 χ^2/NDF: 14283529.9/47

In: 478.935+/-0.070 χ^2/NDF:11516122.2/44

Out: 465.013+/-0.066 χ^2/NDF:12542861.7/49

All: 471.646+/-0.048 χ^2/NDF: 24079959.8/94


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: 506.334+/-446.141 χ²/NDF: 22.3/21
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: -14.641+/-305.537 χ²/NDF: 54.3/47
In: 170.101+/-279.943 χ²/NDF:40.0/44
Out: -167.362+/-271.545 χ²/NDF:58.8/49
All: -3.768+/-194.913 χ²/NDF: 99.5/94



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

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

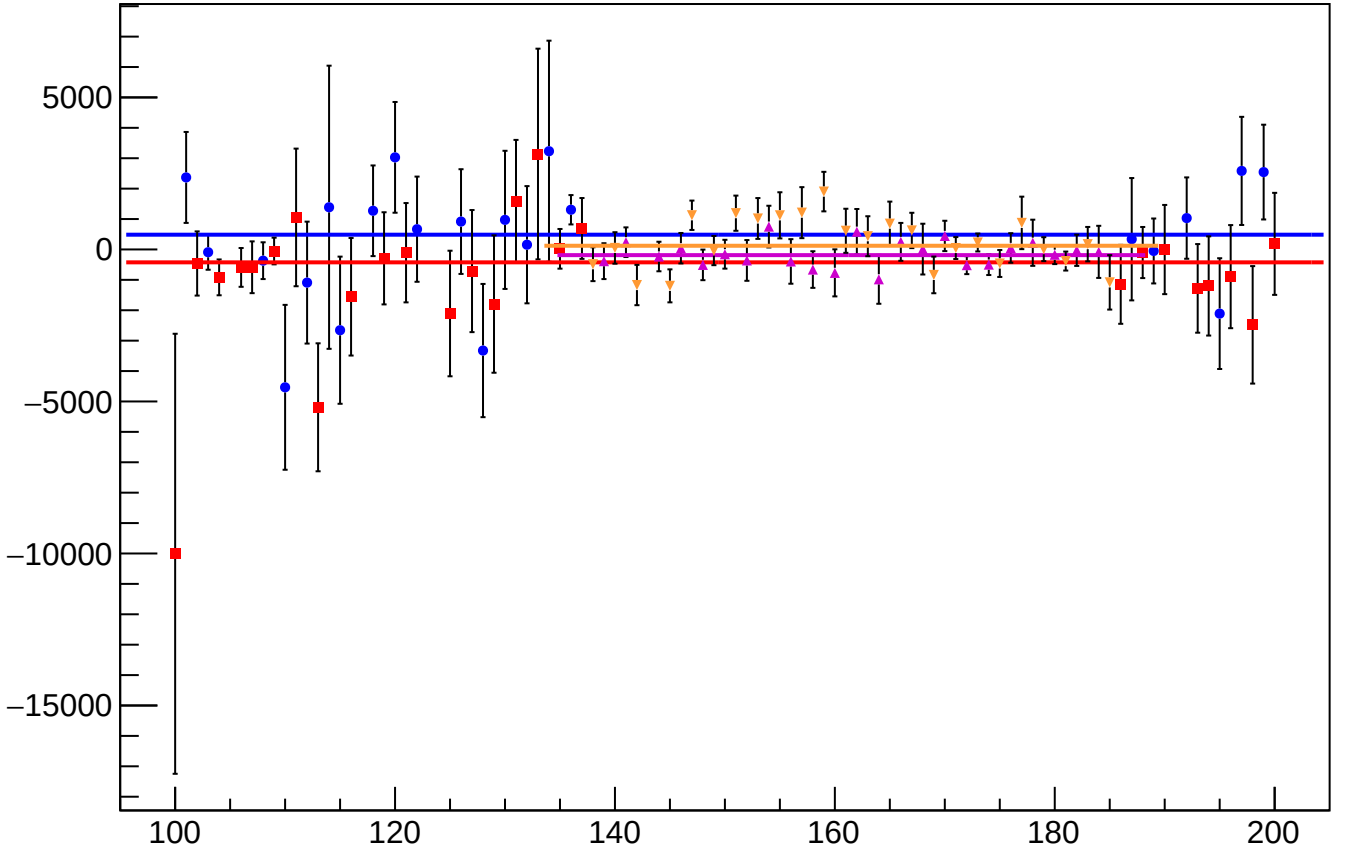
Right: 1495.908+/-0.216 χ^2/NDF: 1203322.4/47

In: 1518.437+/-0.198 χ^2/NDF:872434.8/44

Out: 1517.684+/-0.192 χ^2/NDF:744725.8/49

All: 1518.049+/-0.138 χ^2/NDF: 1617168.0/94

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

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

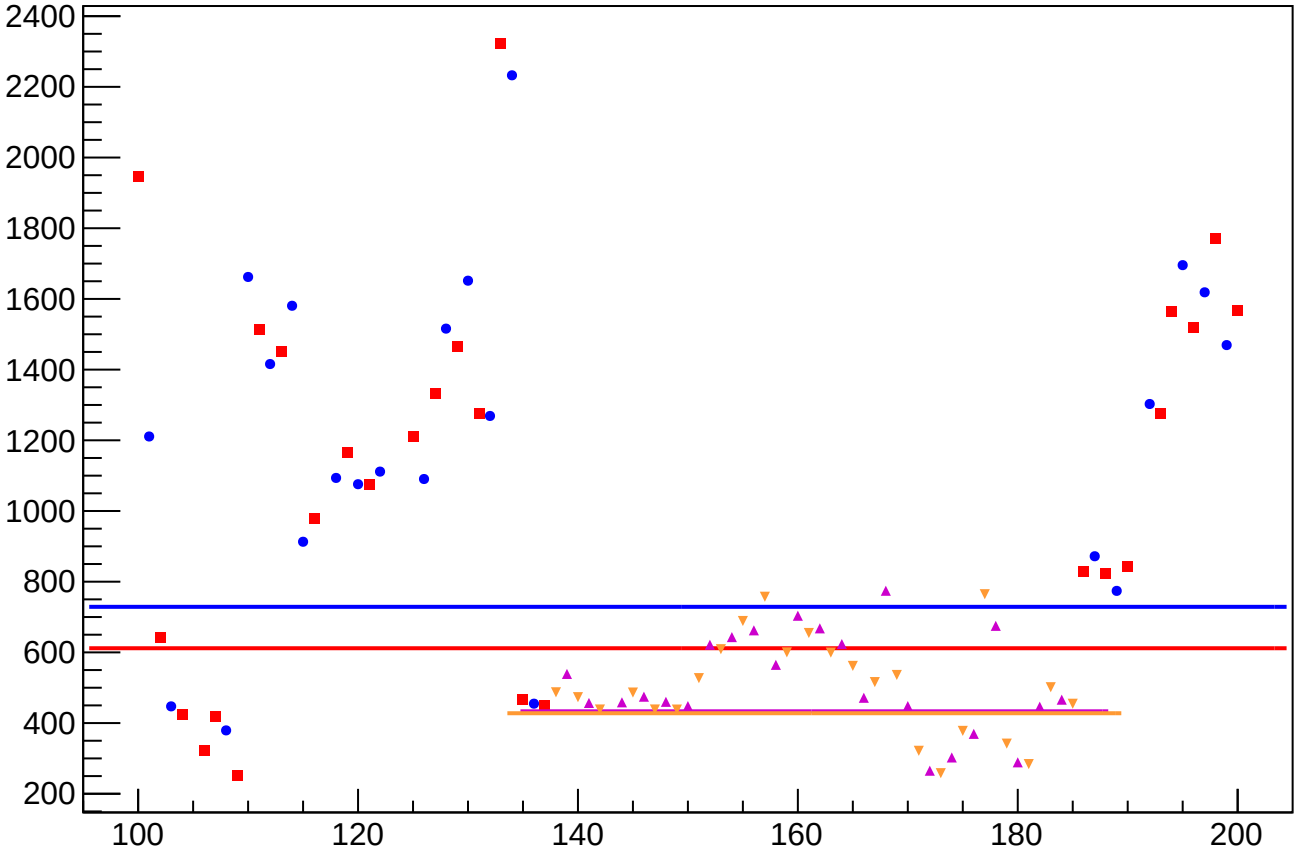
Right: -51.629+/-160.263 χ^2/NDF: 49.1/47

In: -83.246+/-98.368 χ^2/NDF:42.5/44

Out: 10.925+/-93.835 χ^2/NDF:65.6/49

All: -33.940+/-67.897 χ^2/NDF: 108.6/94

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

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

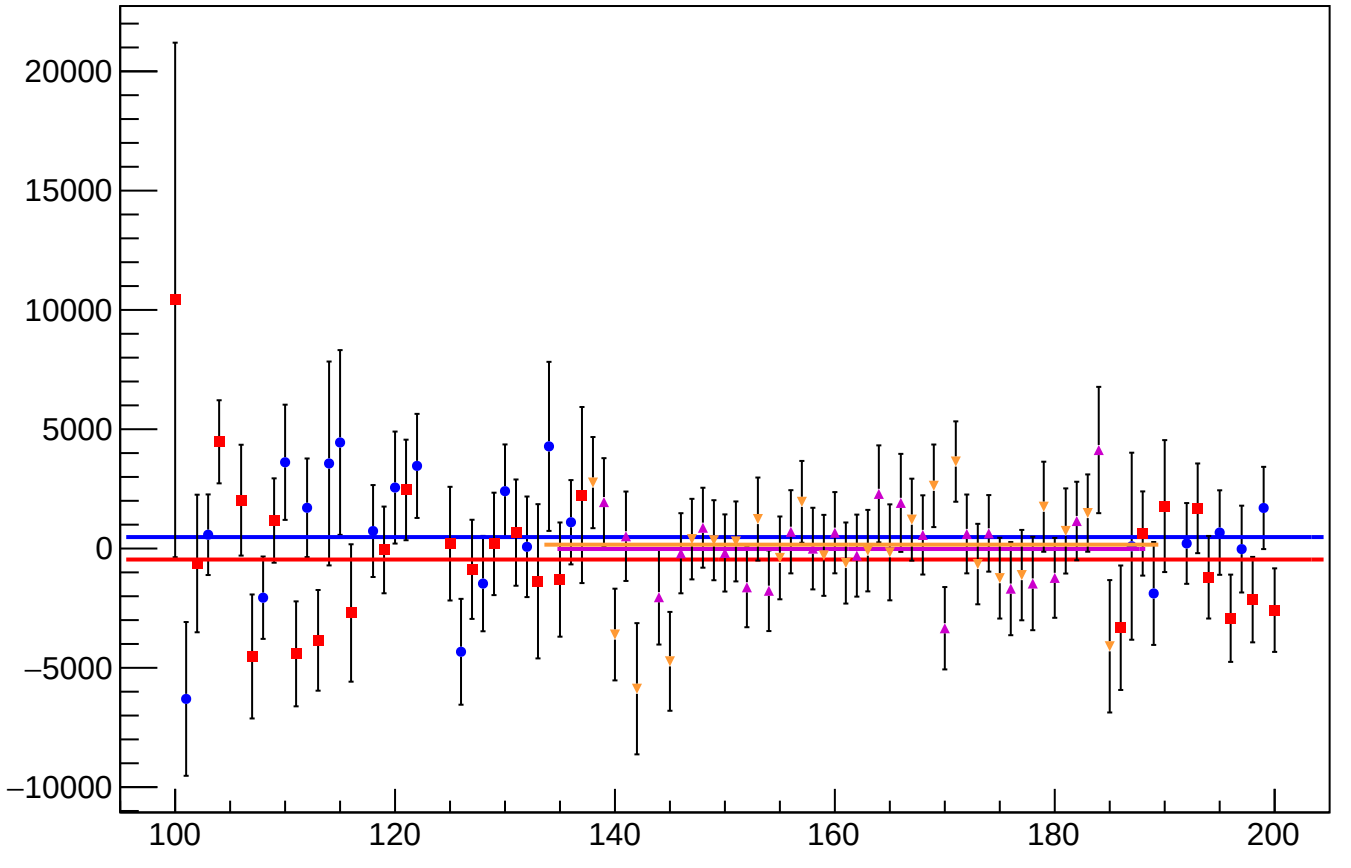
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 659.737+/-0.113 χ^2/NDF: 14283529.9/47

In: 478.935+/-0.070 χ^2/NDF:11516122.2/44

Out: 465.013+/-0.066 χ^2/NDF:12542861.7/49

All: 471.646+/-0.048 χ^2/NDF: 24079959.8/94



Right In: 479.691+/-451.899 χ^2/NDF: 22.6/21

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

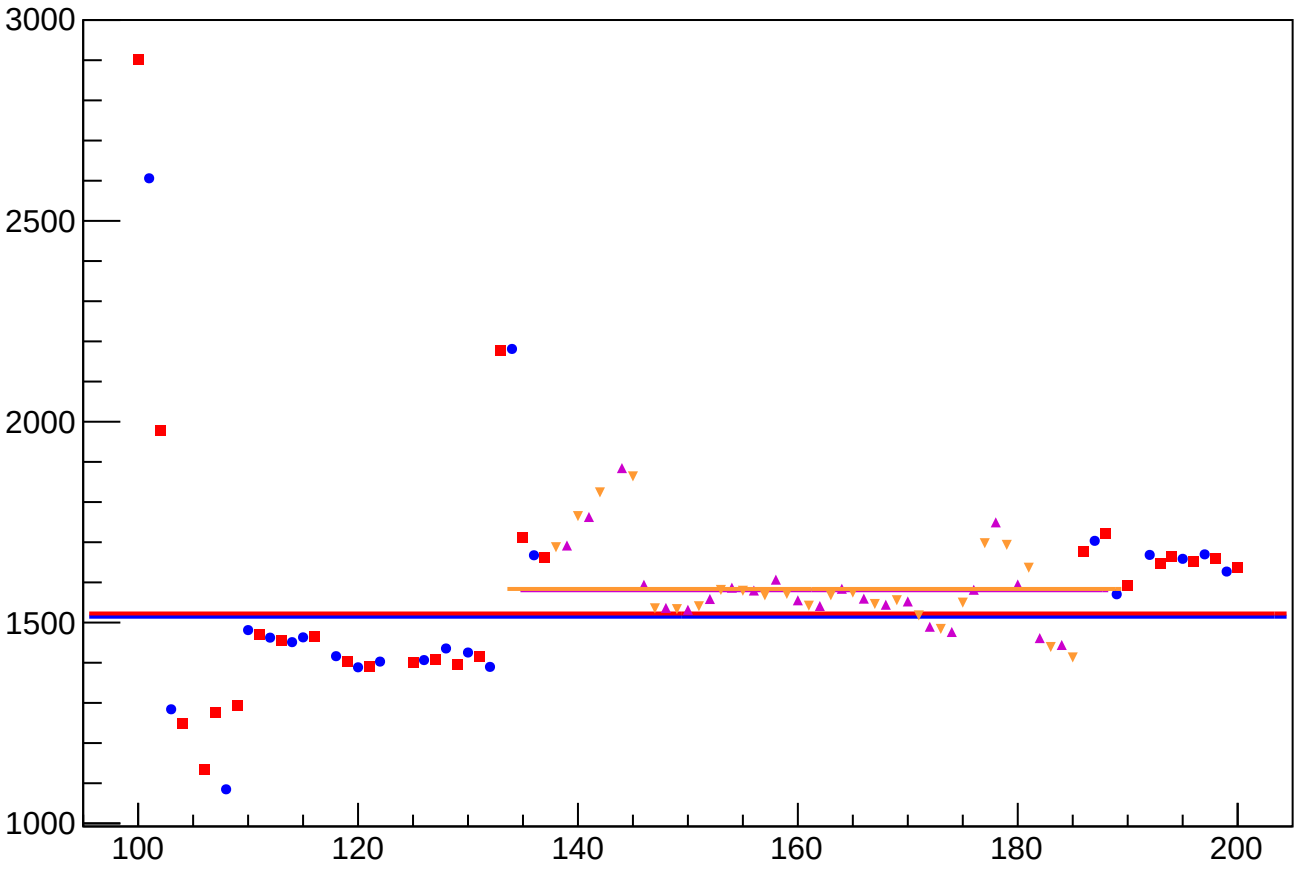
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -18.571+/-309.905 χ^2/NDF: 55.9/47

In: 180.250+/-286.180 χ^2/NDF:39.3/44

Out: -104.890+/-278.586 χ^2/NDF:62.1/49

All: 33.847+/-199.621 χ^2/NDF: 102.0/94



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.9/21

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

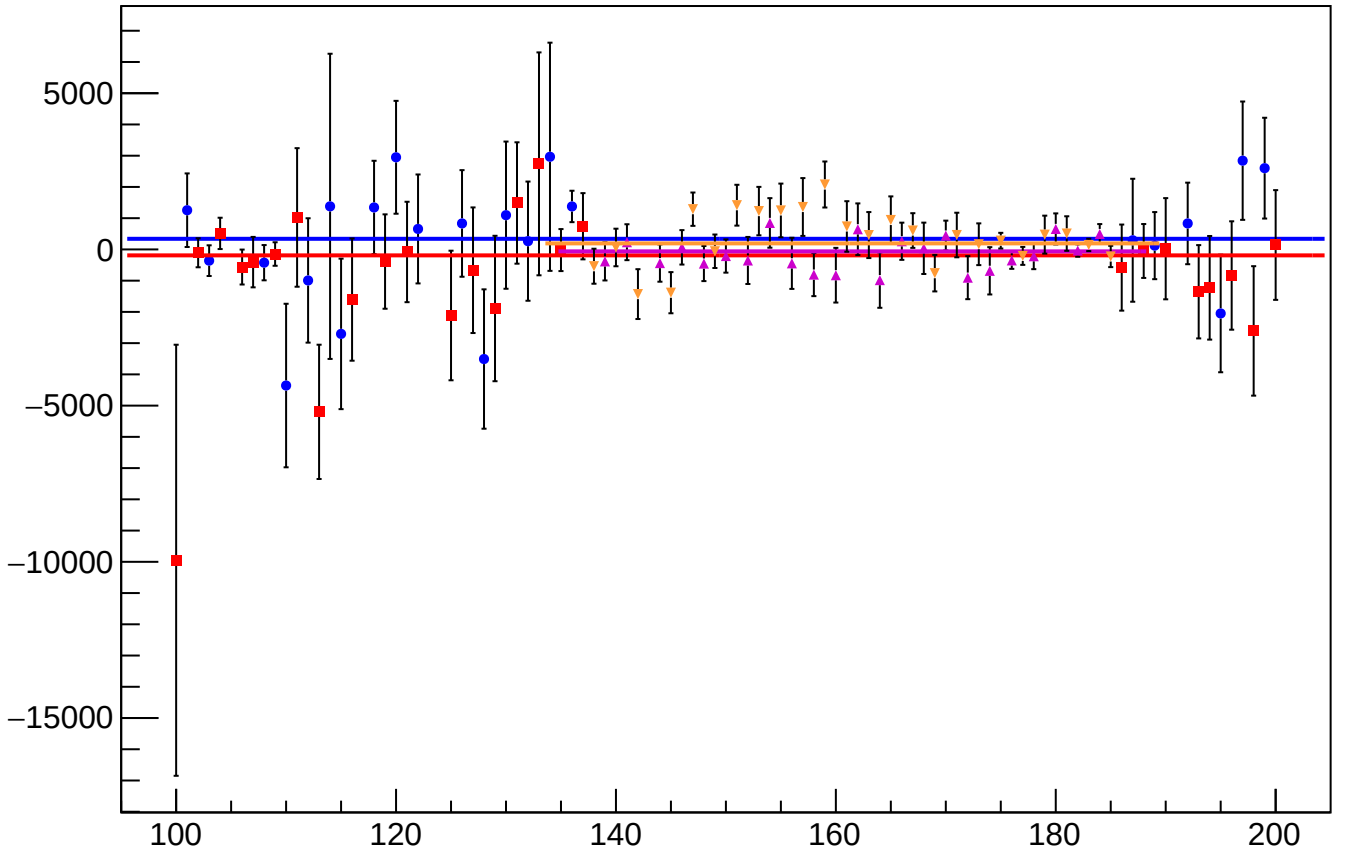
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1518.833+/-0.219 χ^2/NDF: 1040427.3/47

In: 1554.053+/-0.202 χ^2/NDF:724116.9/44

Out: 1557.524+/-0.197 χ^2/NDF:624294.3/49

All: 1555.835+/-0.141 χ^2/NDF: 1348562.2/94



Right In: 339.903+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -190.388+/-182.569 χ^2/NDF: 17.2/25

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

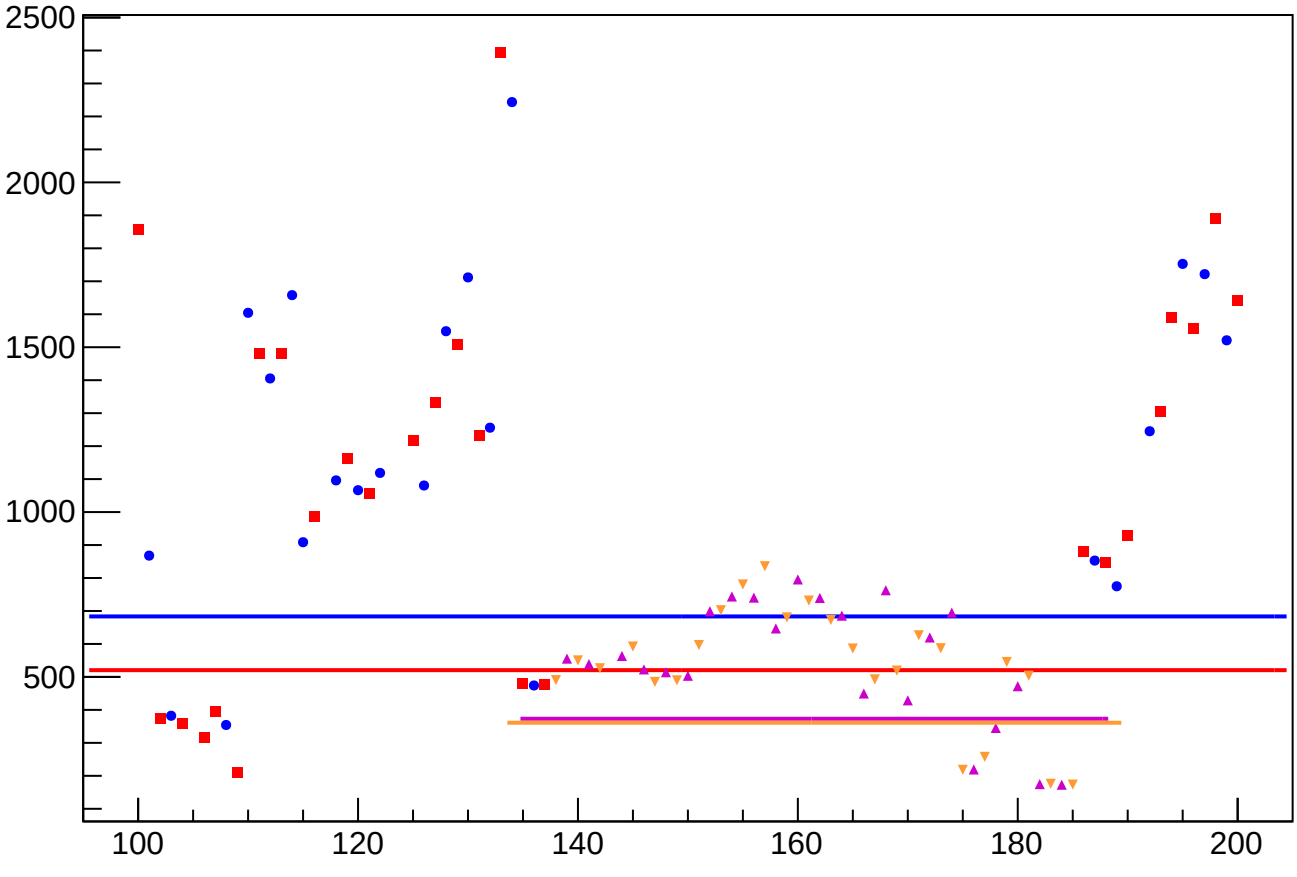
Right: 4.195+/-145.262 χ^2/NDF: 46.1/47

In: -2.906+/-92.074 χ^2/NDF:45.2/44

Out: 110.341+/-84.895 χ^2/NDF:60.7/49

All: 58.304+/-62.414 χ^2/NDF: 106.7/94

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 683.462+/-0.170 χ^2/NDF: 6324034.0/21

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

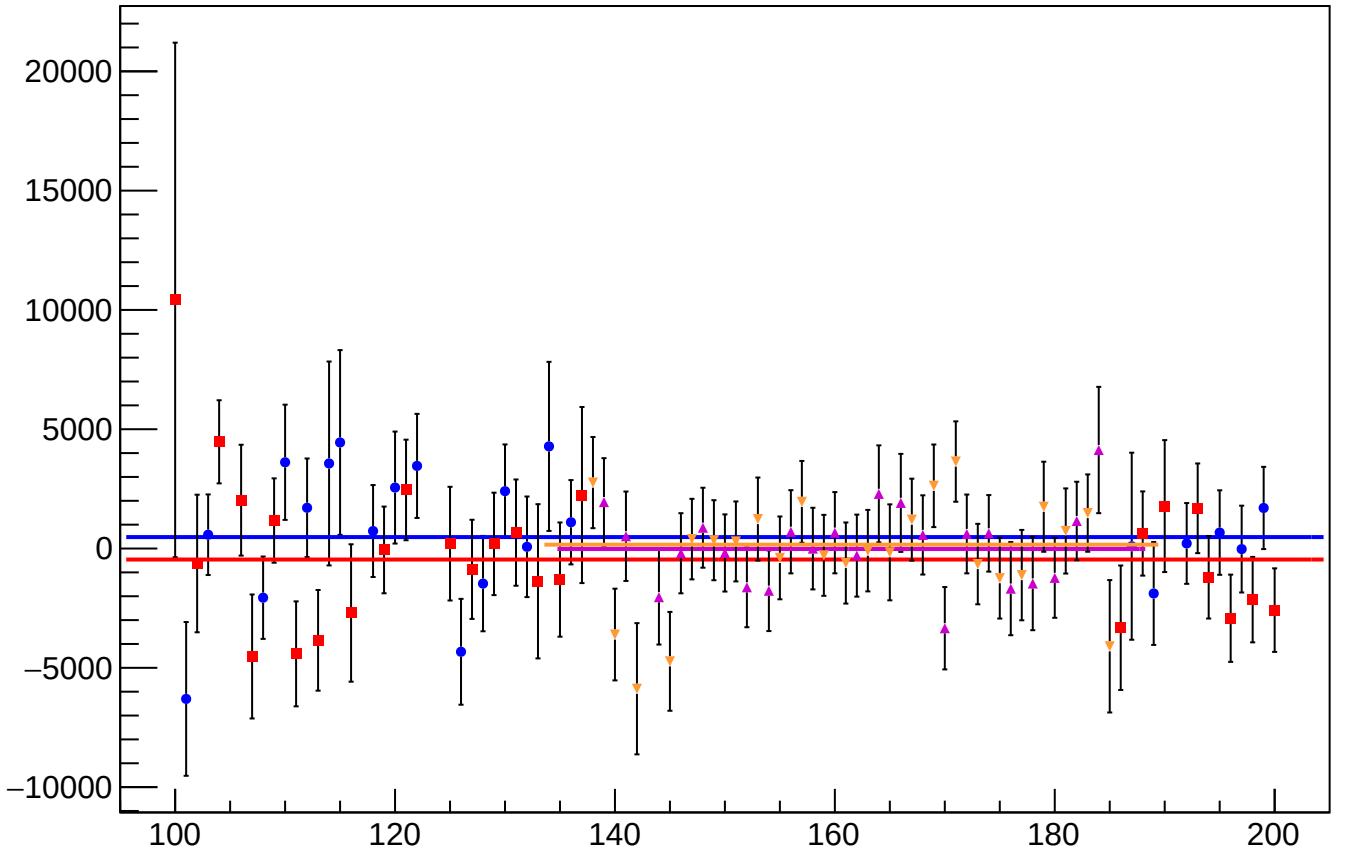
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

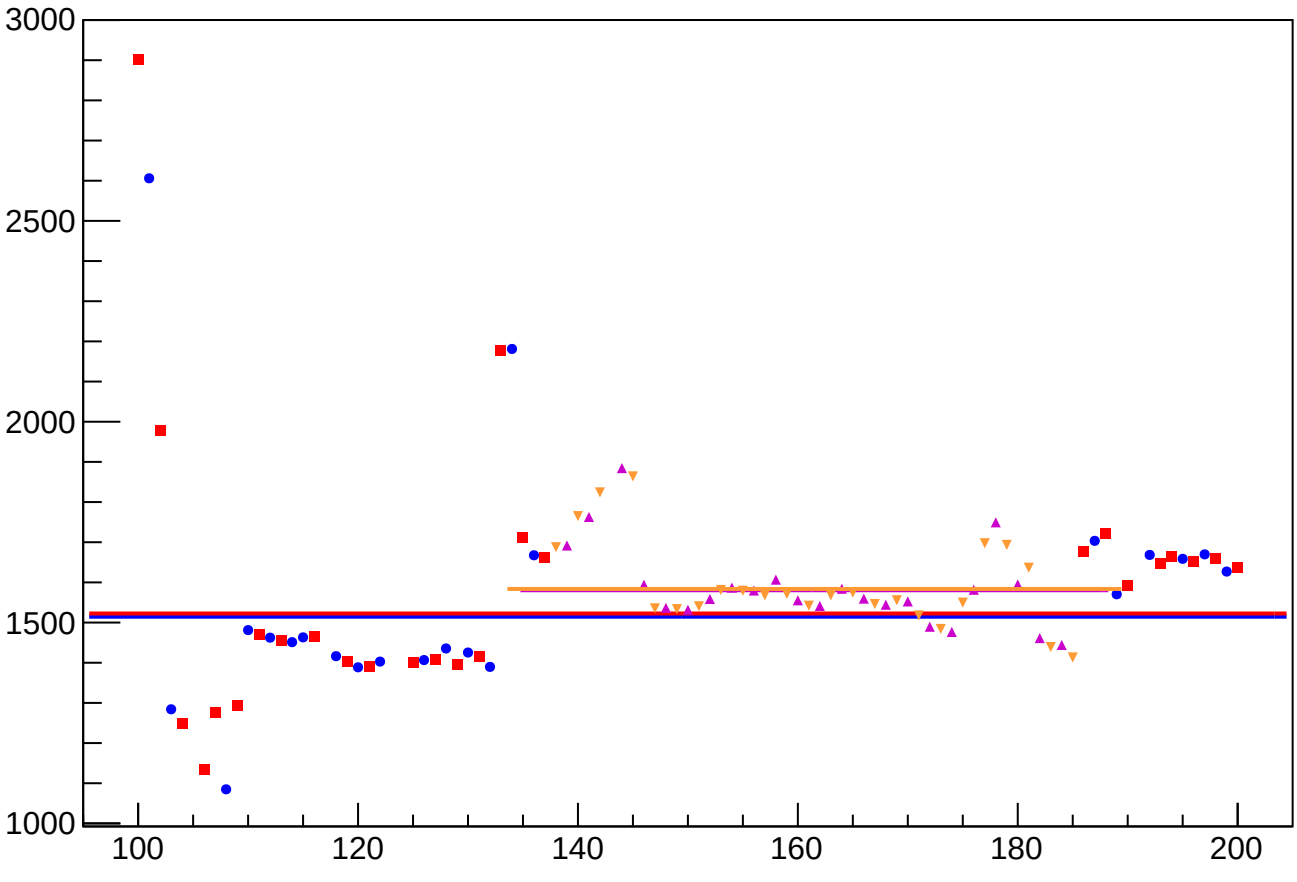
Right: 580.297+/-0.103 χ^2/NDF: 16598934.7/47

In: 418.888+/-0.065 χ^2/NDF:17386855.8/44

Out: 395.567+/-0.060 χ^2/NDF:19068262.7/49

All: 406.283+/-0.044 χ^2/NDF: 36524471.9/94


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: 479.694+/-451.899 χ²/NDF: 22.6/21
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: -18.569+/-309.905 χ²/NDF: 55.9/47
In: 180.252+/-286.180 χ²/NDF:39.3/44
Out: -104.891+/-278.586 χ²/NDF:62.1/49
All: 33.847+/-199.621 χ²/NDF: 102.0/94



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.4/21

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

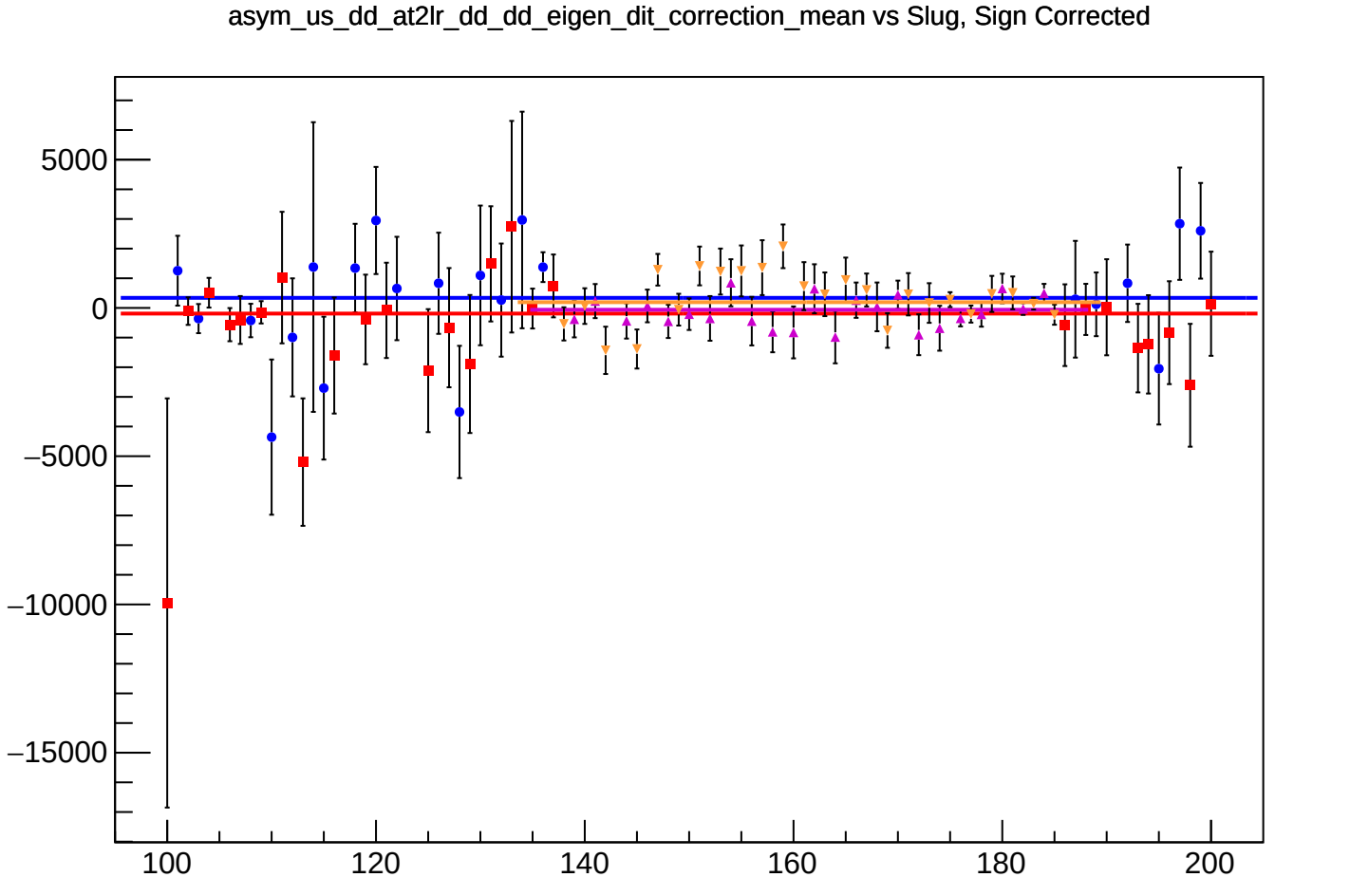
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1518.833+/-0.219 χ^2/NDF: 1040426.9/47

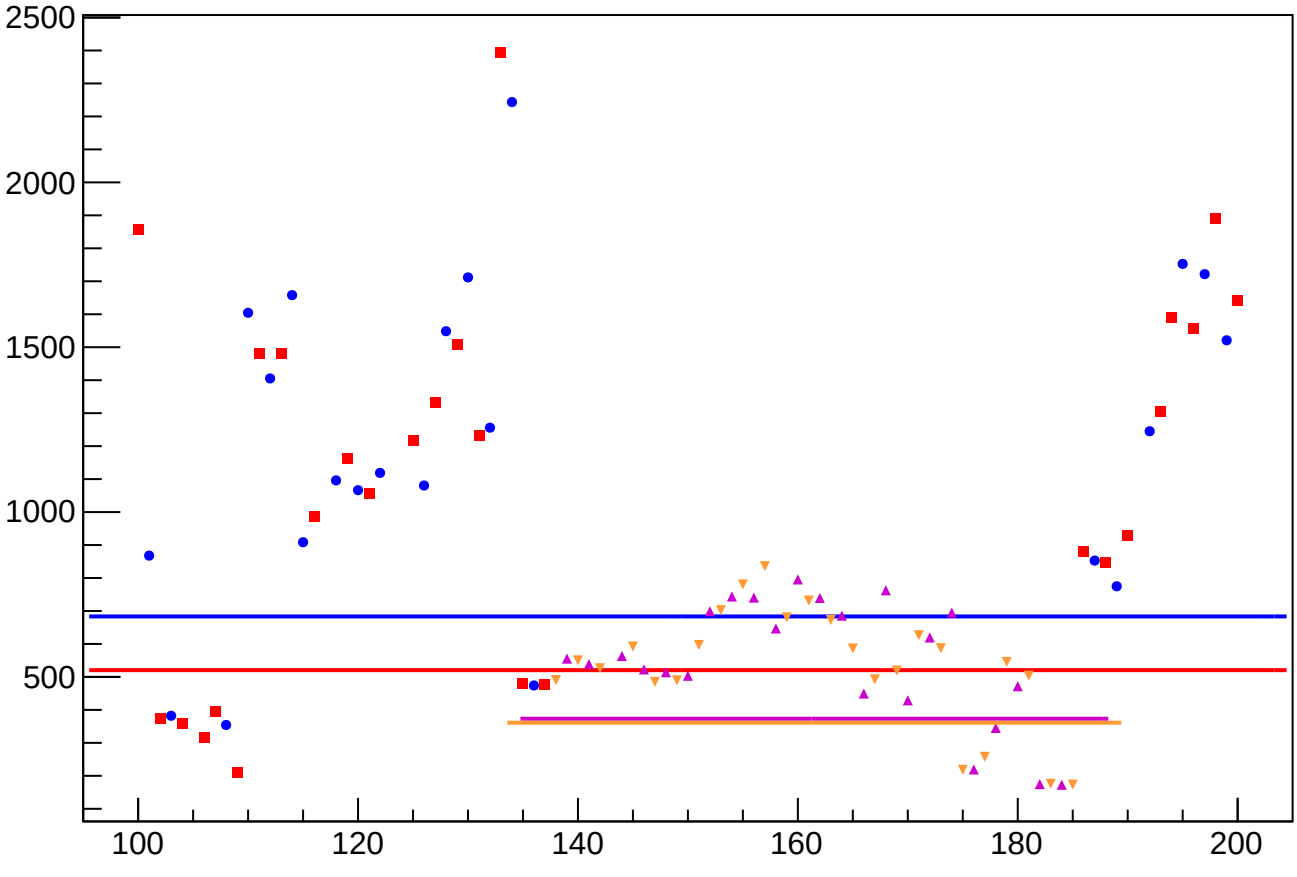
In: 1554.053+/-0.202 χ^2/NDF:724116.1/44

Out: 1557.524+/-0.197 χ^2/NDF:624294.5/49

All: 1555.835+/-0.141 χ^2/NDF: 1348561.6/94


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: 339.896+/-239.803 χ²/NDF: 25.8/21
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: 4.196+/-145.262 χ²/NDF: 46.1/47
In: -2.905+/-92.075 χ²/NDF:45.2/44
Out: 110.346+/-84.896 χ²/NDF:60.7/49
All: 58.307+/-62.414 χ²/NDF: 106.7/94

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 683.460+/-0.170 χ^2/NDF: 6324072.8/21

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

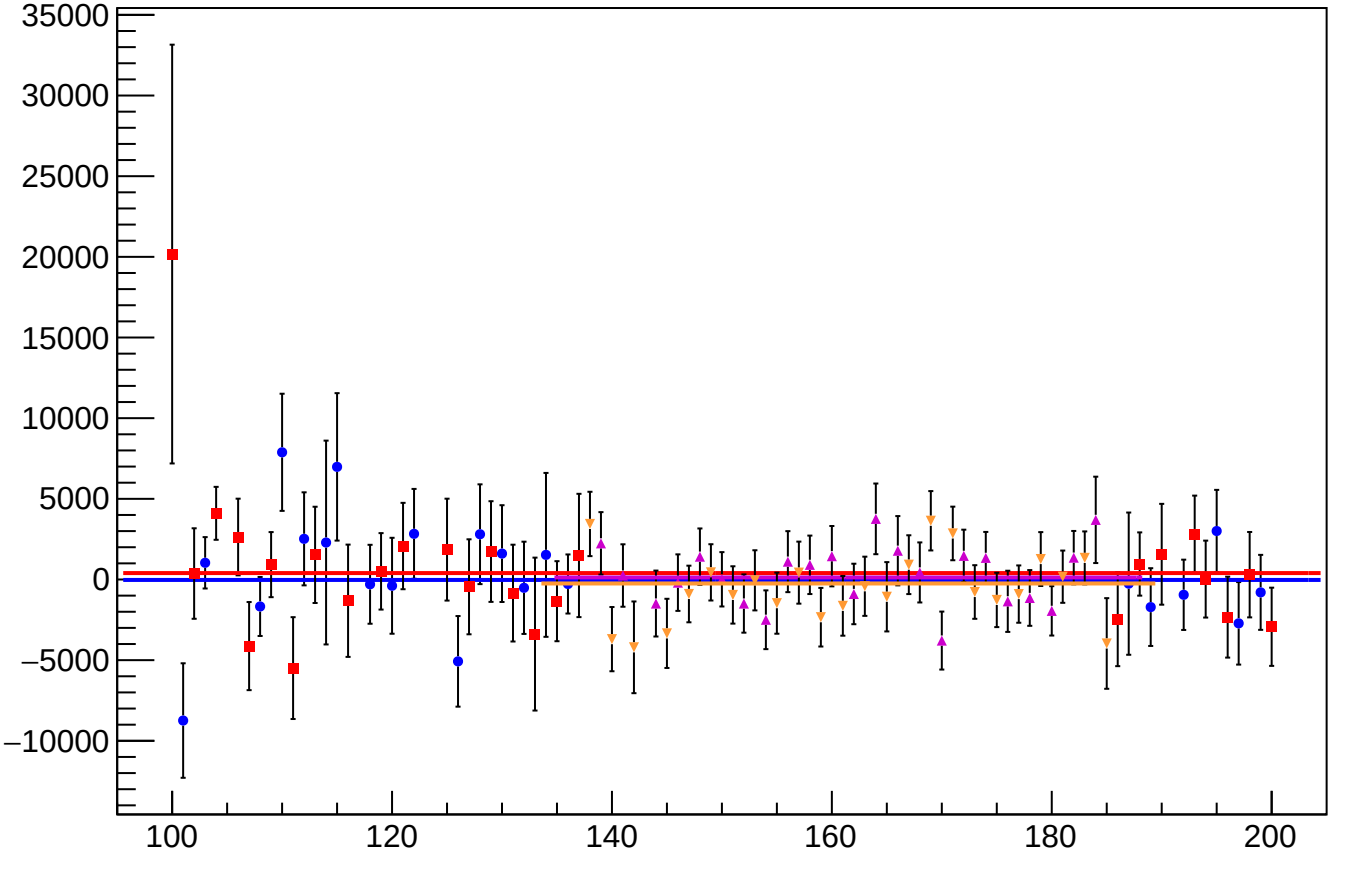
Right: 580.301+/-0.103 χ^2/NDF: 16598790.7/47

In: 418.893+/-0.065 χ^2/NDF:17386532.1/44

Out: 395.571+/-0.060 χ^2/NDF:19068008.4/49

All: 406.287+/-0.044 χ^2/NDF: 36523895.2/94

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -28.038+/-560.869 χ^2/NDF: 24.2/21

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

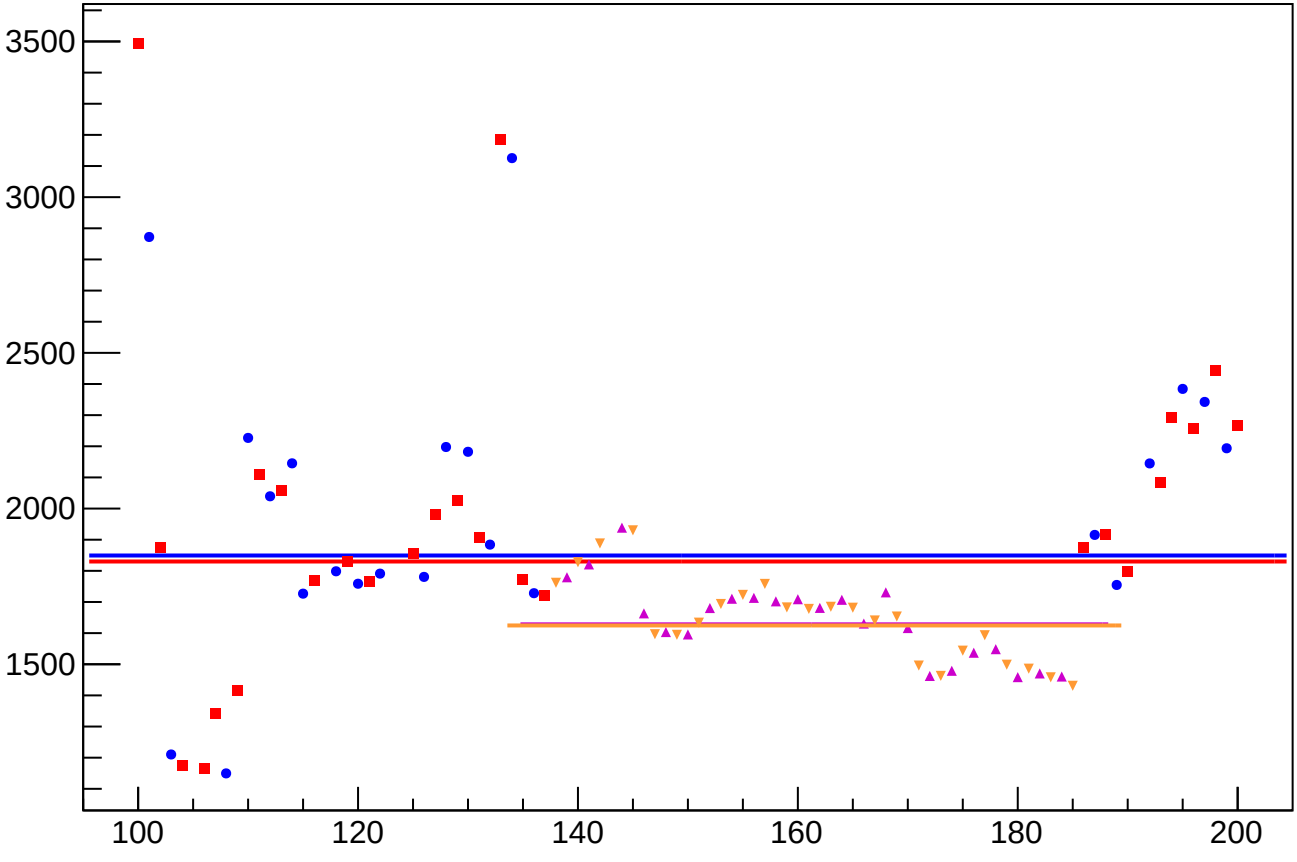
Right: 200.696+/-381.726 χ^2/NDF: 47.0/47

In: 77.387+/-315.334 χ^2/NDF:45.4/44

Out: -24.446+/-306.078 χ^2/NDF:49.6/49

All: 24.954+/-219.629 χ^2/NDF: 95.1/94

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1849.261+/-0.397 χ^2/NDF: 1253857.6/21

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

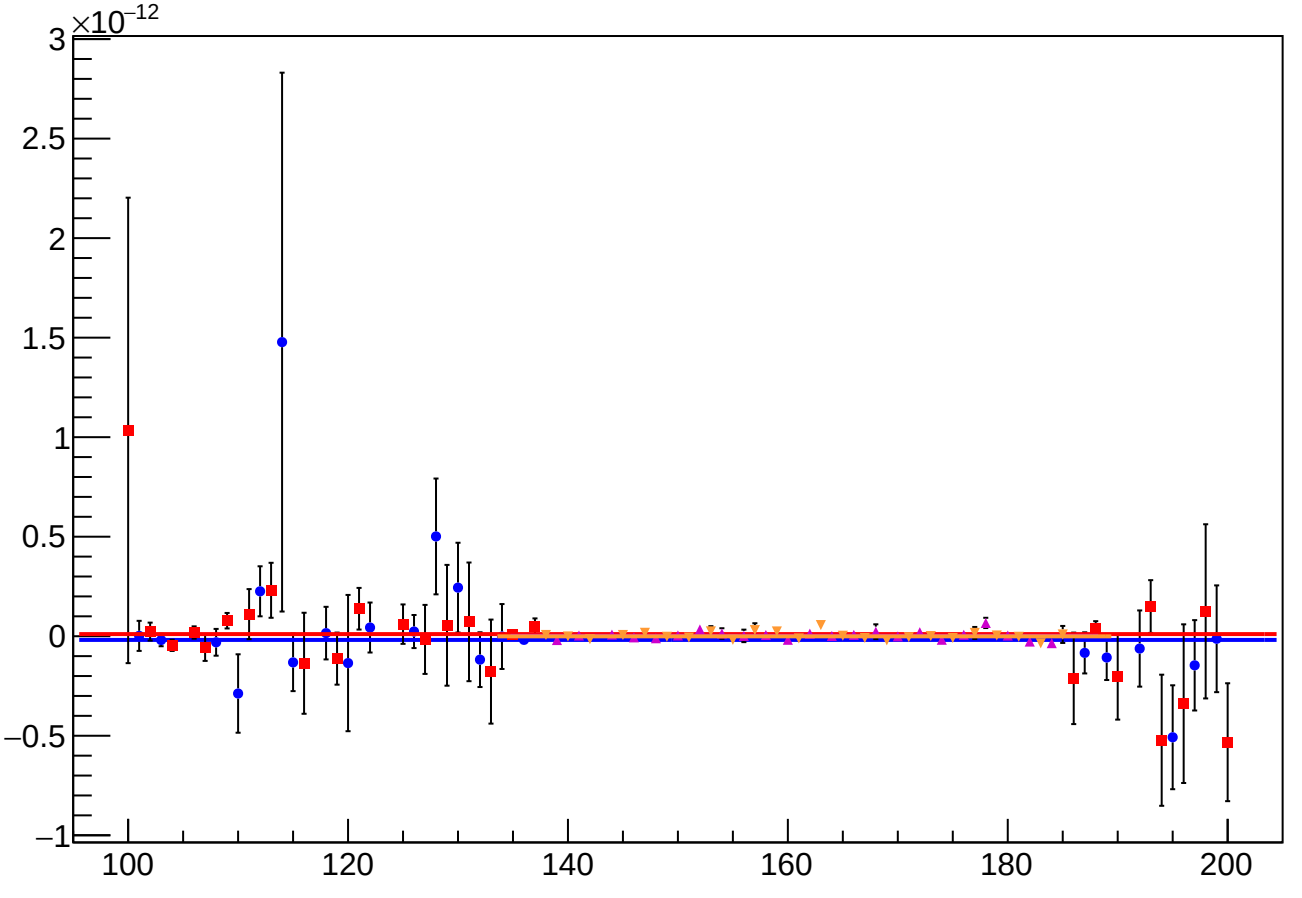
Right: 1838.928+/-0.270 χ^2/NDF: 2454187.8/47

In: 1698.091+/-0.223 χ^2/NDF:1671181.6/44

Out: 1695.501+/-0.216 χ^2/NDF:1609881.7/49

All: 1696.757+/-0.155 χ^2/NDF: 3281132.8/94

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

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

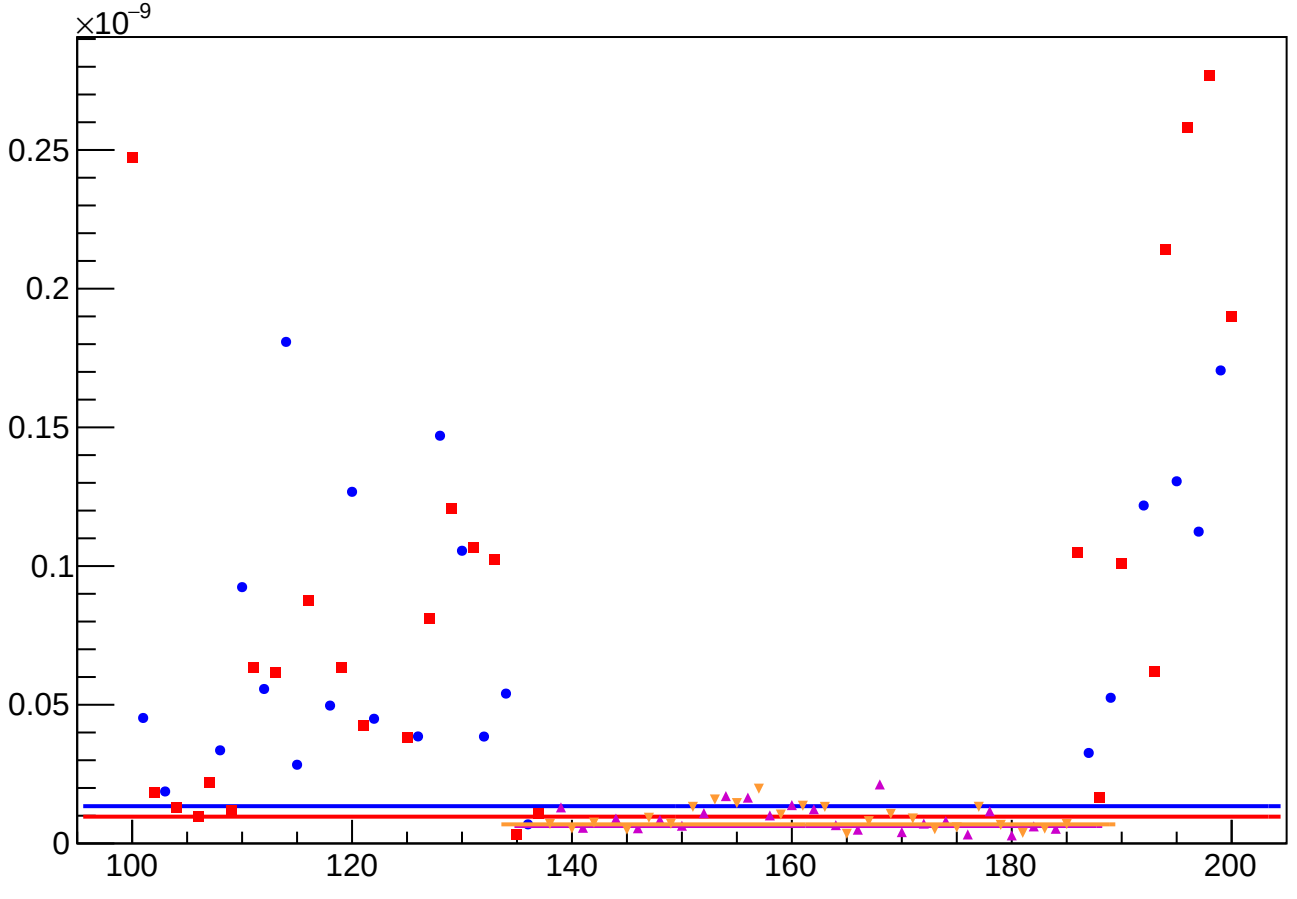
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.0/47

In: 0.000+/-0.000 χ^2/NDF:46.2/44

Out: 0.000+/-0.000 χ^2/NDF:51.0/49

All: 0.000+/-0.000 χ^2/NDF: 97.3/94



Right In: 0.000+/-0.000 χ^2/NDF: 5882978.9/21

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

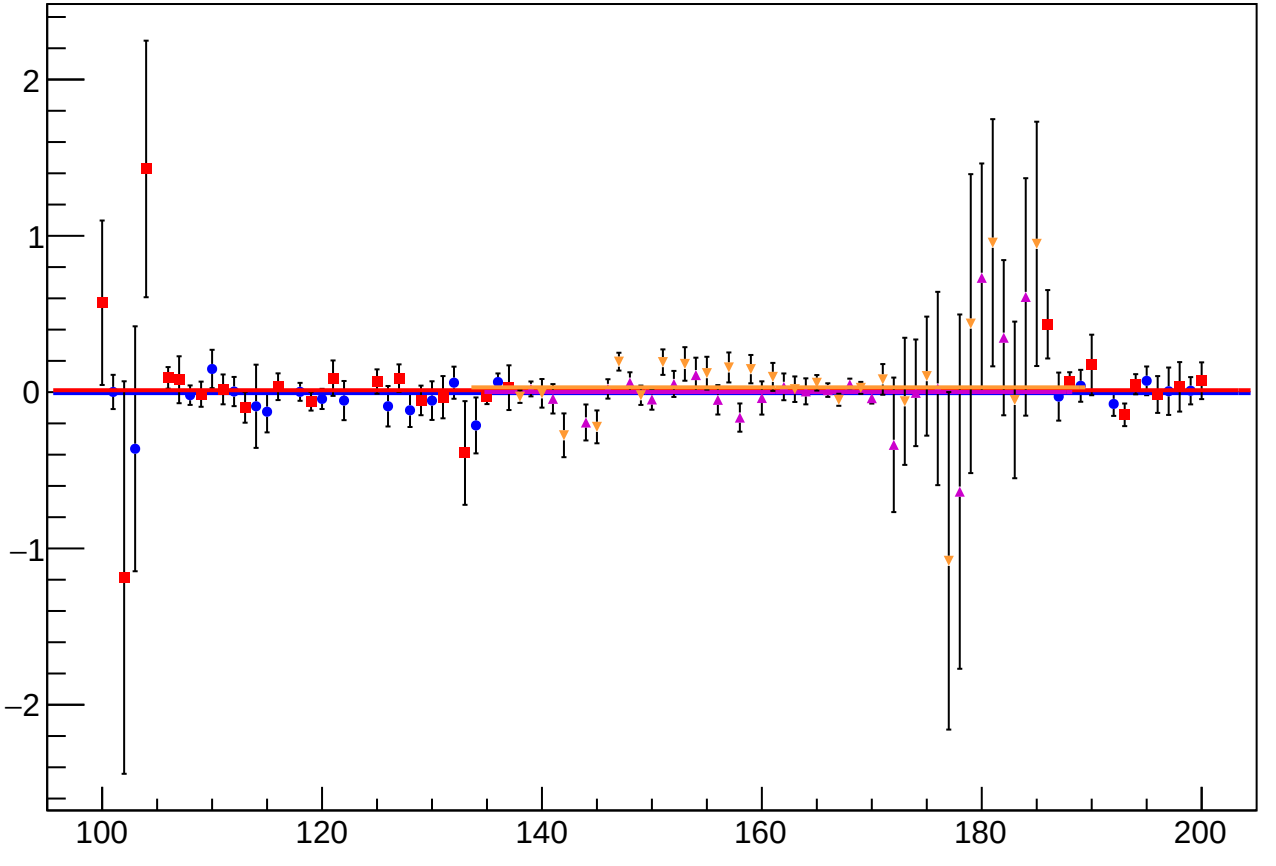
Right: 0.000+/-0.000 χ^2/NDF: 13728224.9/47

In: 0.000+/-0.000 χ^2/NDF:9700358.3/44

Out: 0.000+/-0.000 χ^2/NDF:10130638.8/49

All: 0.000+/-0.000 χ^2/NDF: 19853132.0/94

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

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

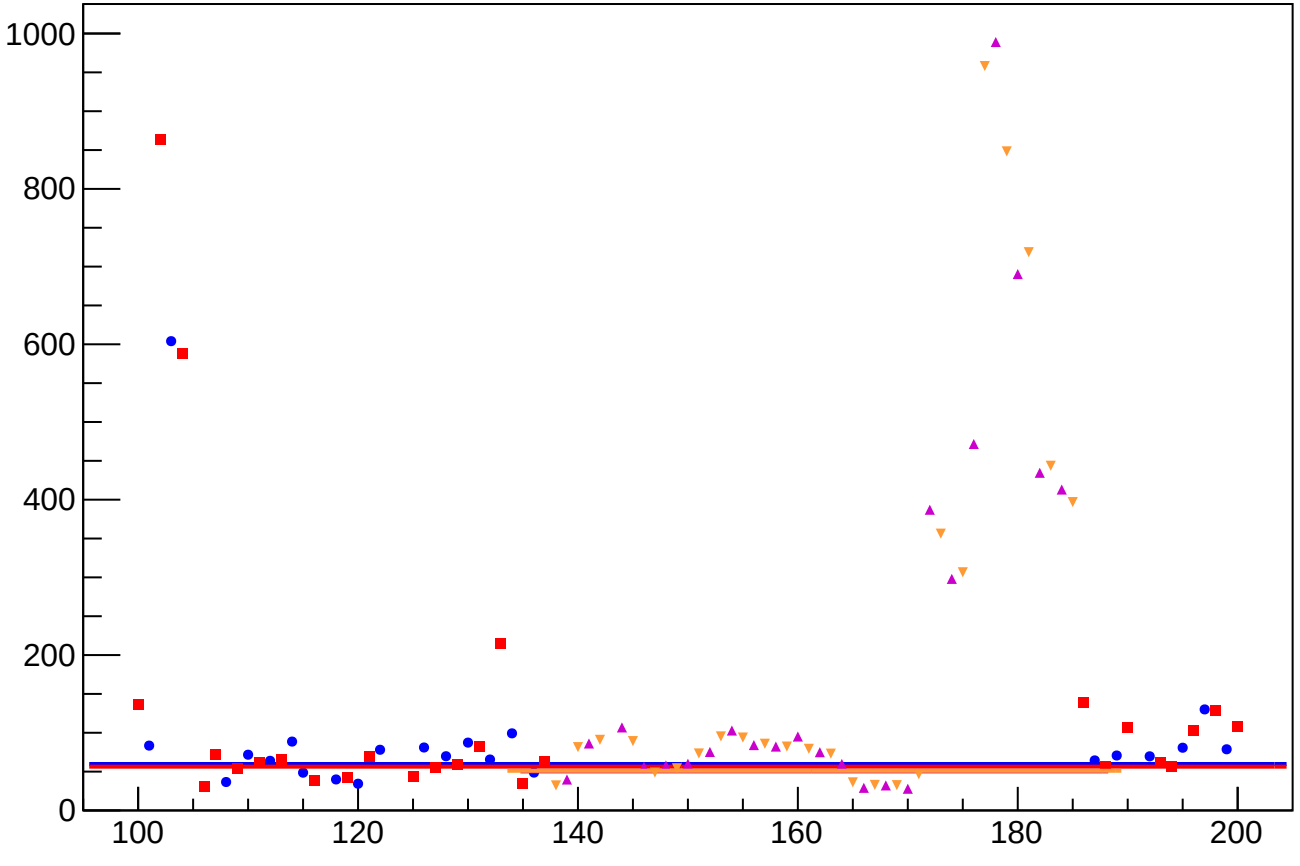
Right: 0.004+/-0.014 χ^2/NDF: 35.0/47

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 94.9/94

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

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

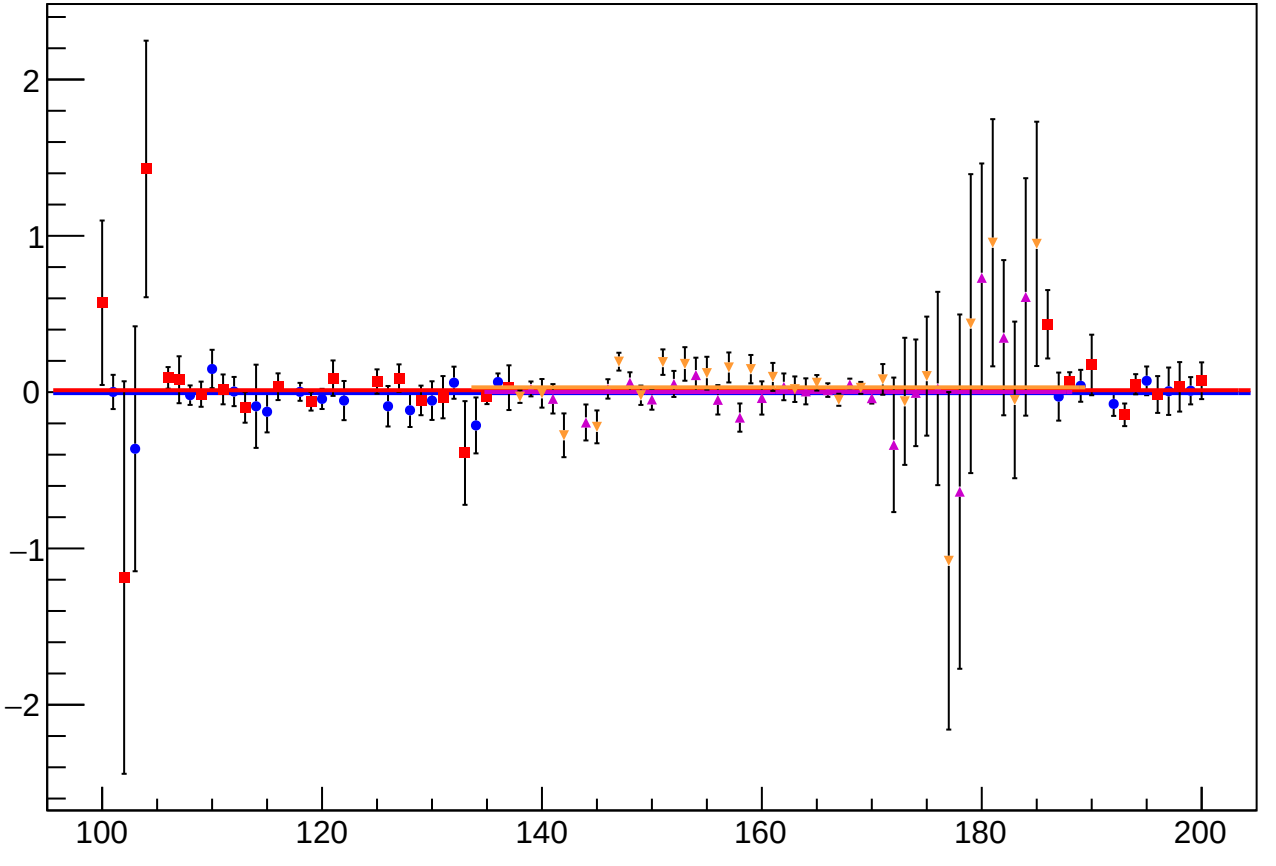
Right: 57.922+/-0.010 χ^2/NDF: 7828514.0/47

In: 53.735+/-0.009 χ^2/NDF:15510056.1/44

Out: 53.275+/-0.008 χ^2/NDF:16601617.2/49

All: 53.499+/-0.006 χ^2/NDF: 32113145.7/94

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

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

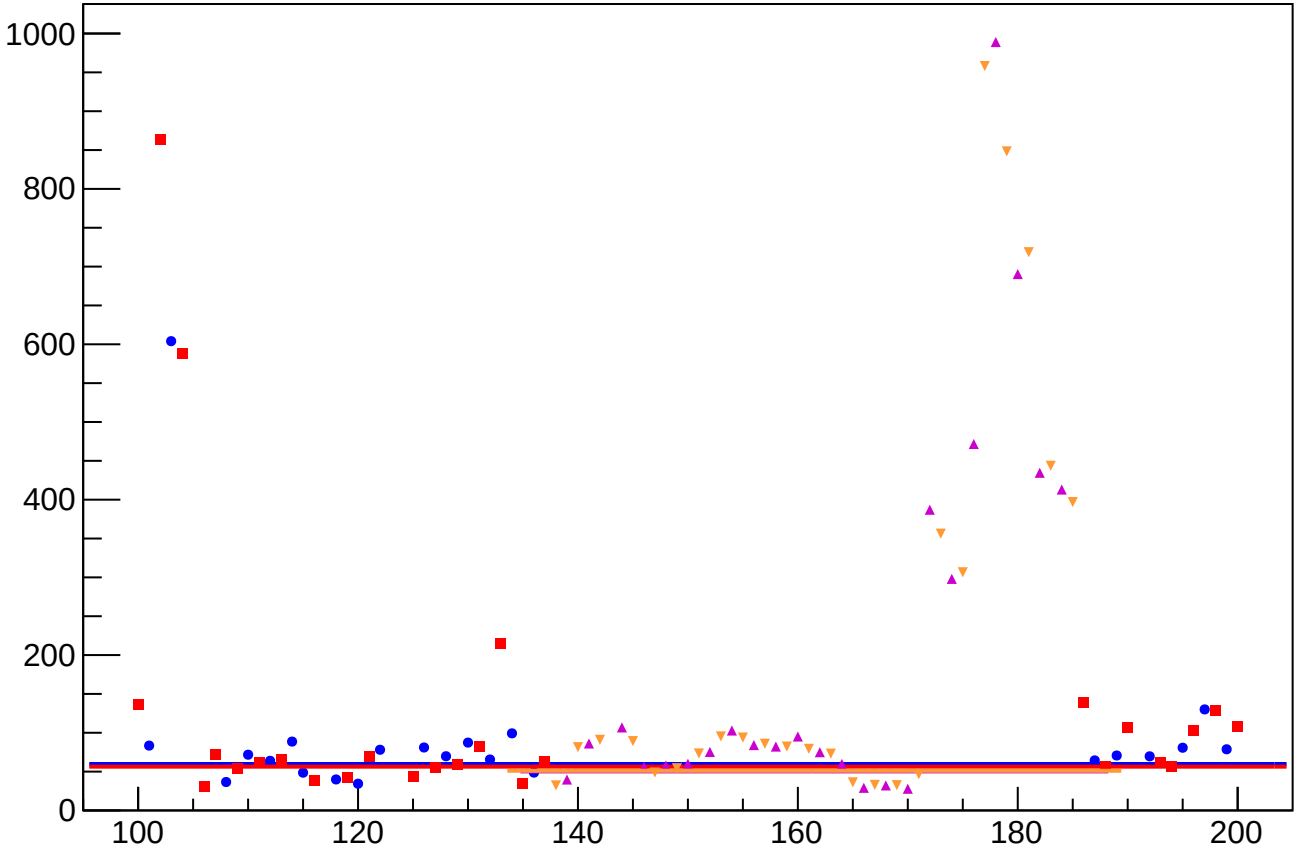
Right: 0.004+/-0.014 χ^2/NDF: 35.0/47

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 94.9/94

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

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

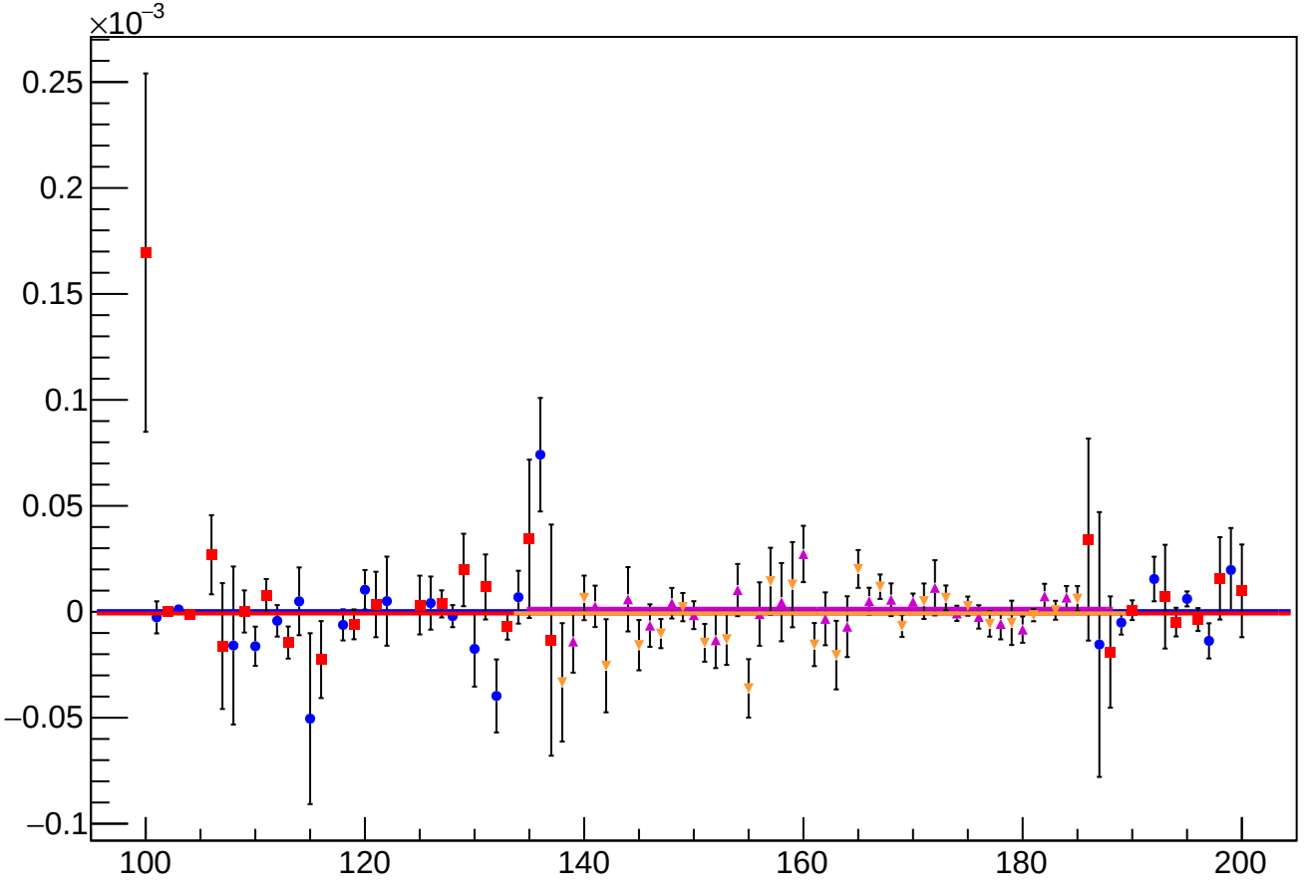
Right: 57.922+/-0.010 χ^2/NDF: 7828514.0/47

In: 53.735+/-0.009 χ^2/NDF:15510056.1/44

Out: 53.275+/-0.008 χ^2/NDF:16601617.2/49

All: 53.499+/-0.006 χ^2/NDF: 32113145.7/94

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/21

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

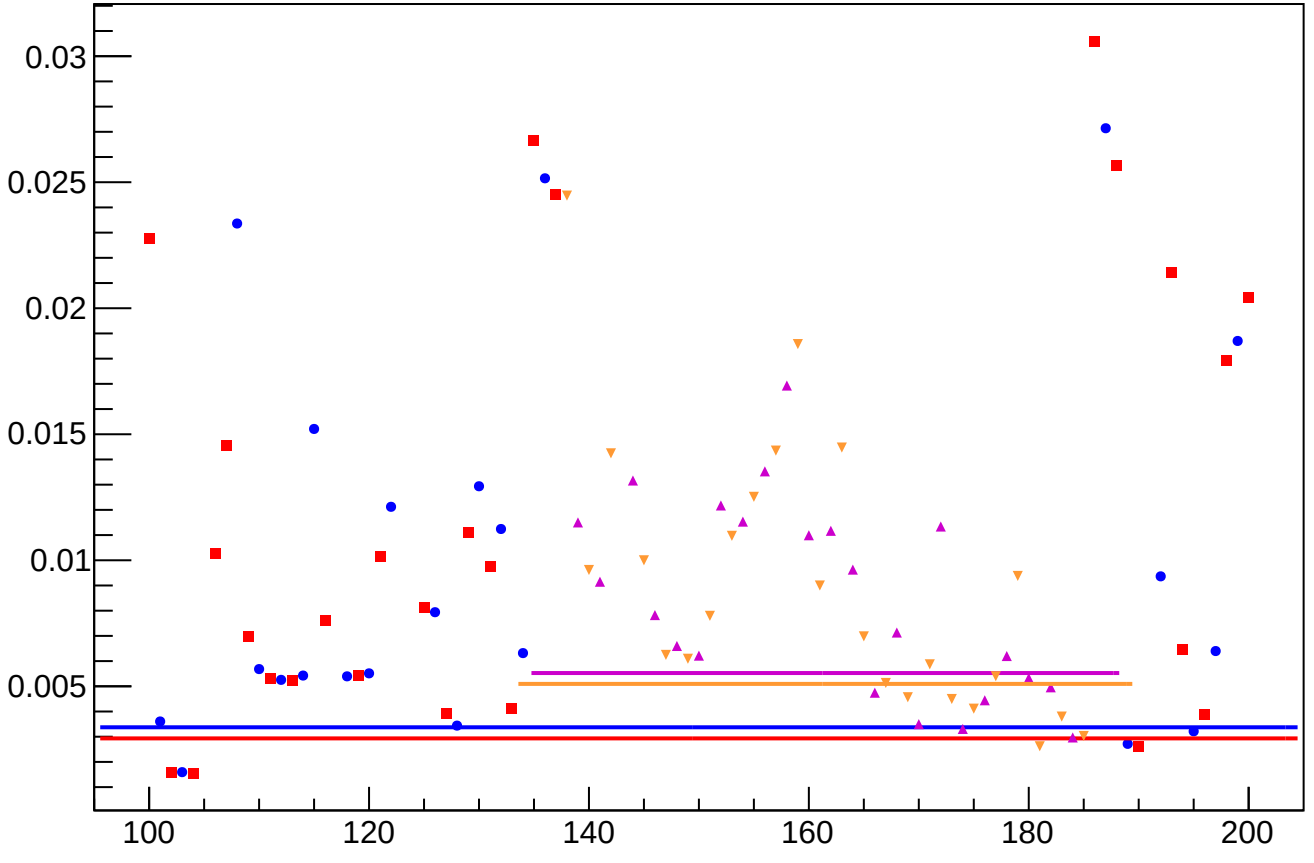
Right: -0.000+/-0.000 χ^2/NDF: 52.9/47

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: -0.000+/-0.000 χ^2/NDF:59.2/49

All: -0.000+/-0.000 χ^2/NDF: 109.1/94

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: 8273375.6/21

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

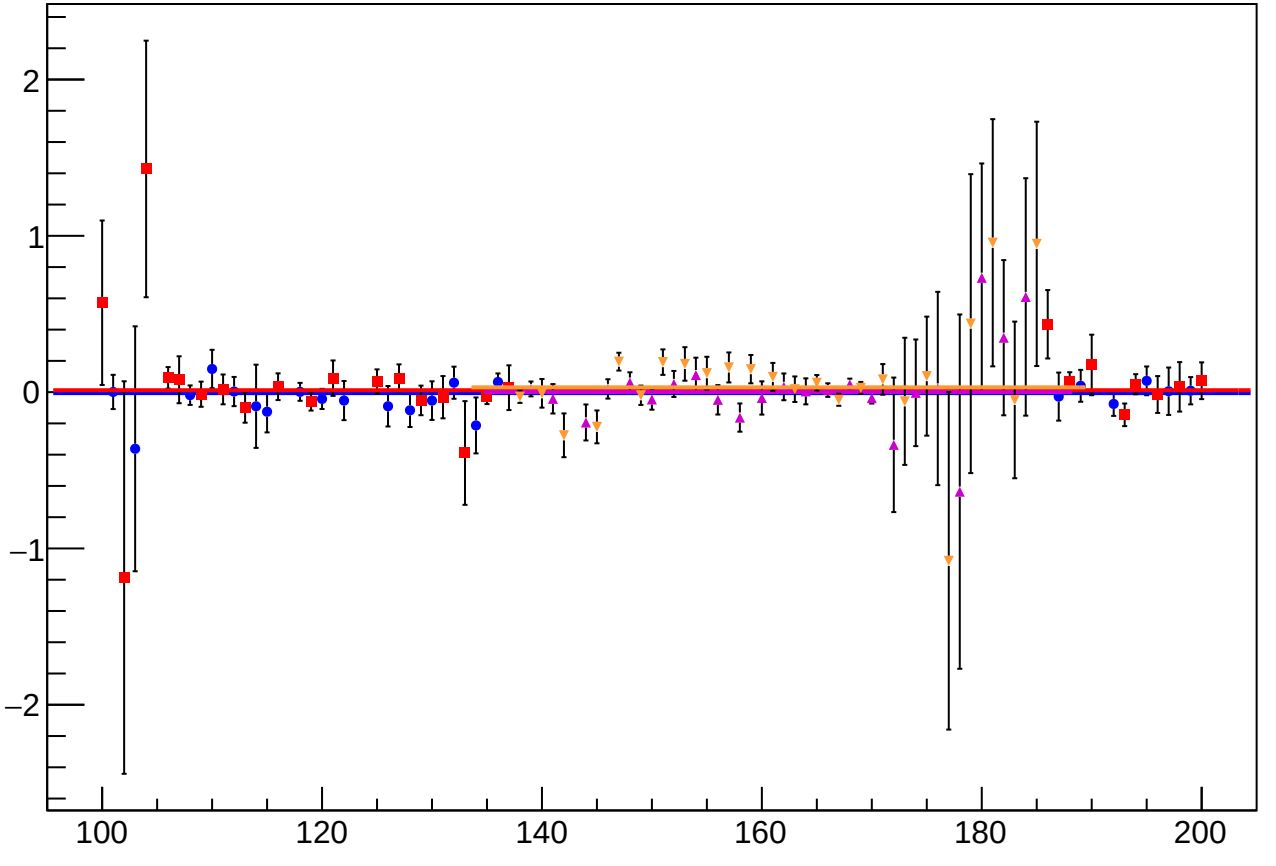
Right: 0.003+/-0.000 χ^2/NDF: 21221480.9/47

In: 0.004+/-0.000 χ^2/NDF:17368191.3/44

Out: 0.004+/-0.000 χ^2/NDF:24041338.4/49

All: 0.004+/-0.000 χ^2/NDF: 41717701.8/94

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

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

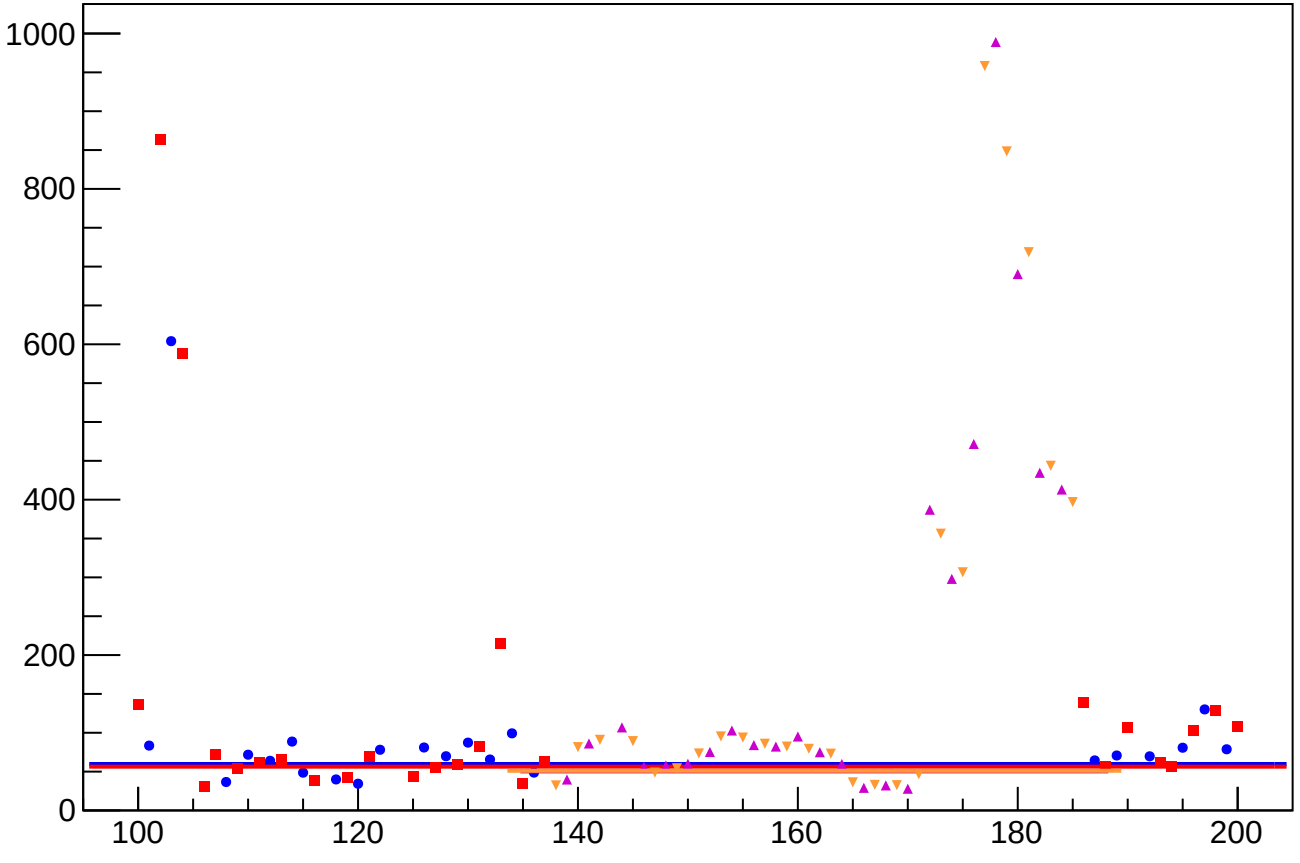
Right: 0.004+/-0.014 χ^2/NDF: 35.0/47

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 94.9/94

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

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

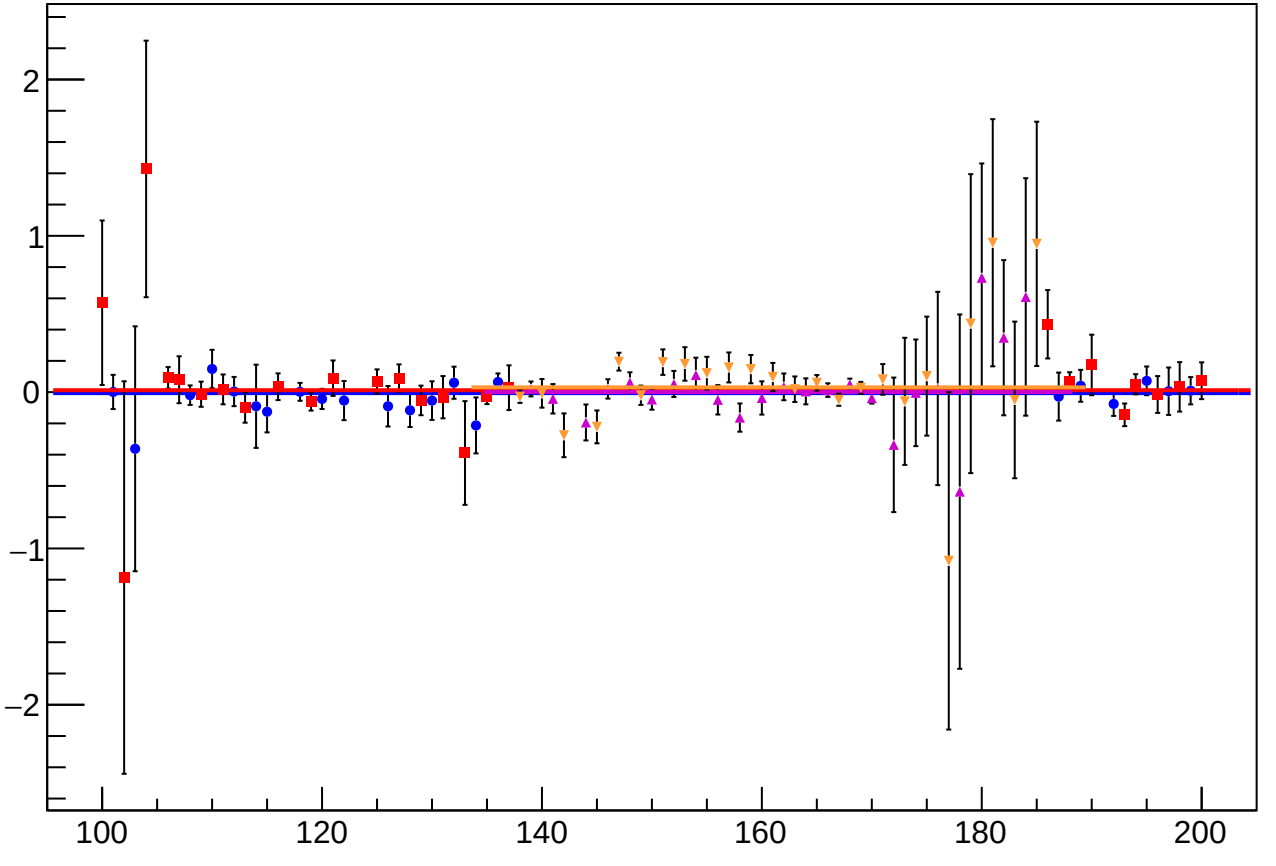
Right: 57.925+/-0.010 χ^2/NDF: 7827704.2/47

In: 53.736+/-0.009 χ^2/NDF:15509613.5/44

Out: 53.277+/-0.008 χ^2/NDF:16600488.6/49

All: 53.501+/-0.006 χ^2/NDF: 32111566.1/94

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

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

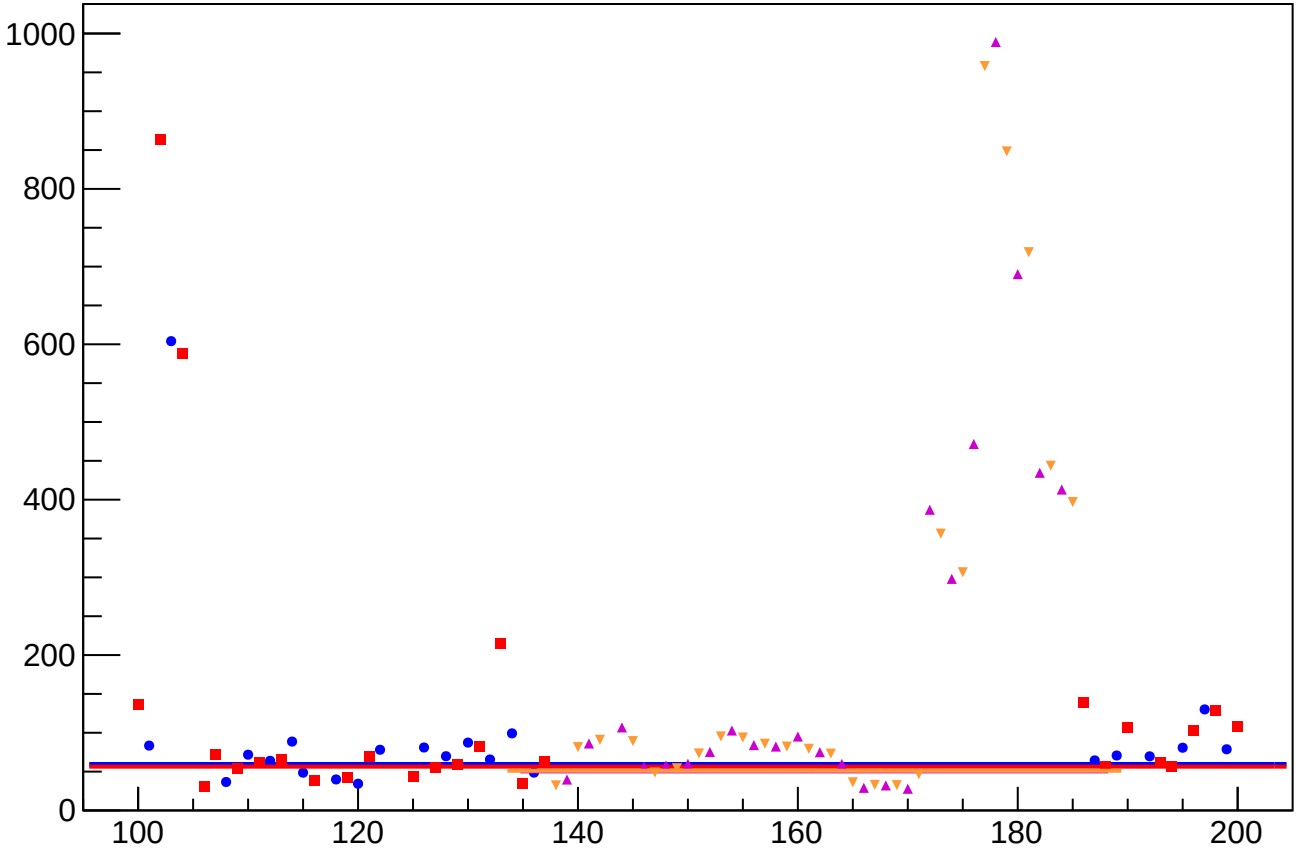
Right: 0.004+/-0.014 χ^2/NDF: 35.0/47

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.023+/-0.012 χ^2/NDF:66.5/49

All: 0.011+/-0.008 χ^2/NDF: 94.9/94

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

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

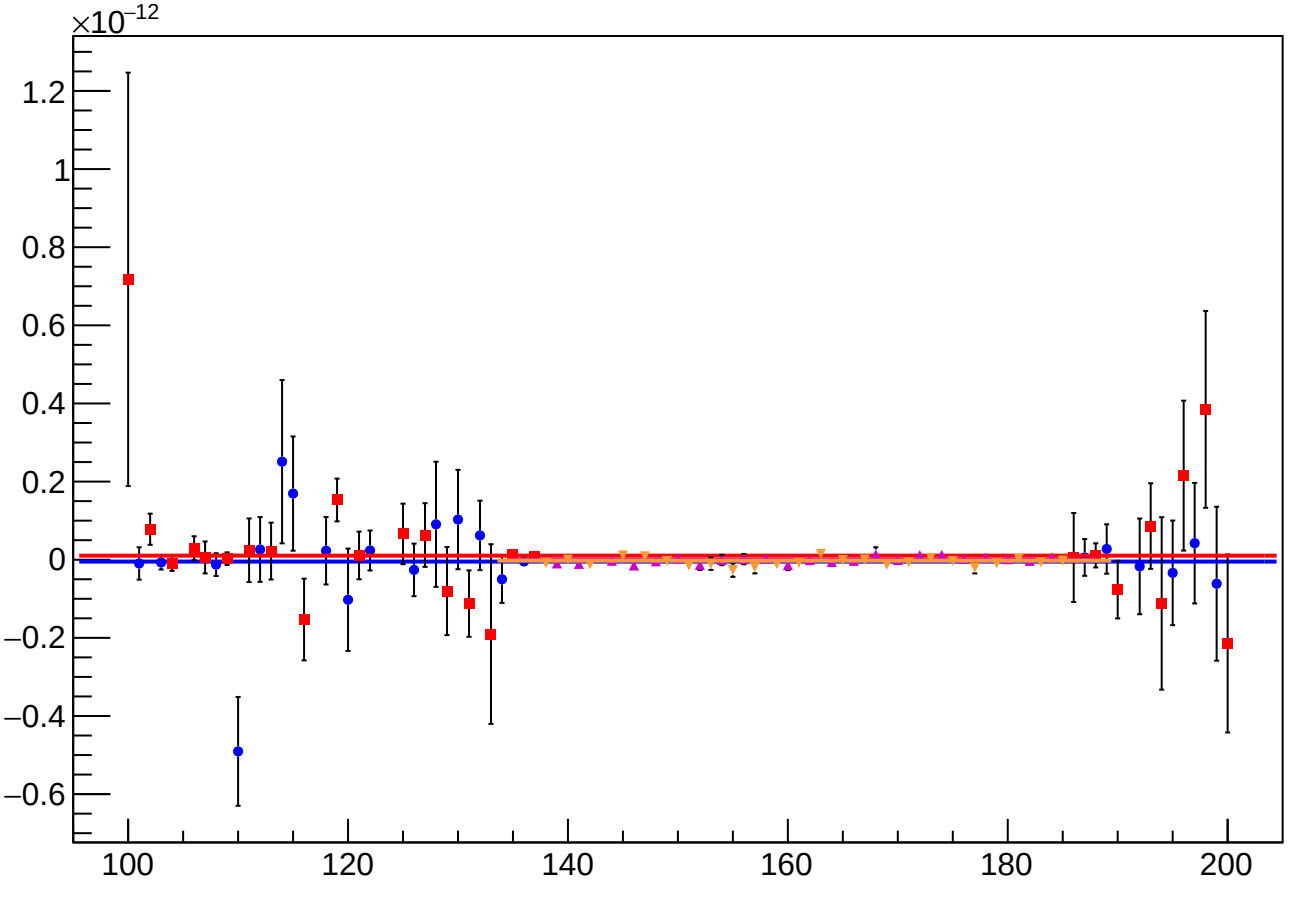
Right: 57.925+/-0.010 χ^2/NDF: 7827704.2/47

In: 53.736+/-0.009 χ^2/NDF:15509613.5/44

Out: 53.277+/-0.008 χ^2/NDF:16600488.6/49

All: 53.501+/-0.006 χ^2/NDF: 32111566.1/94

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

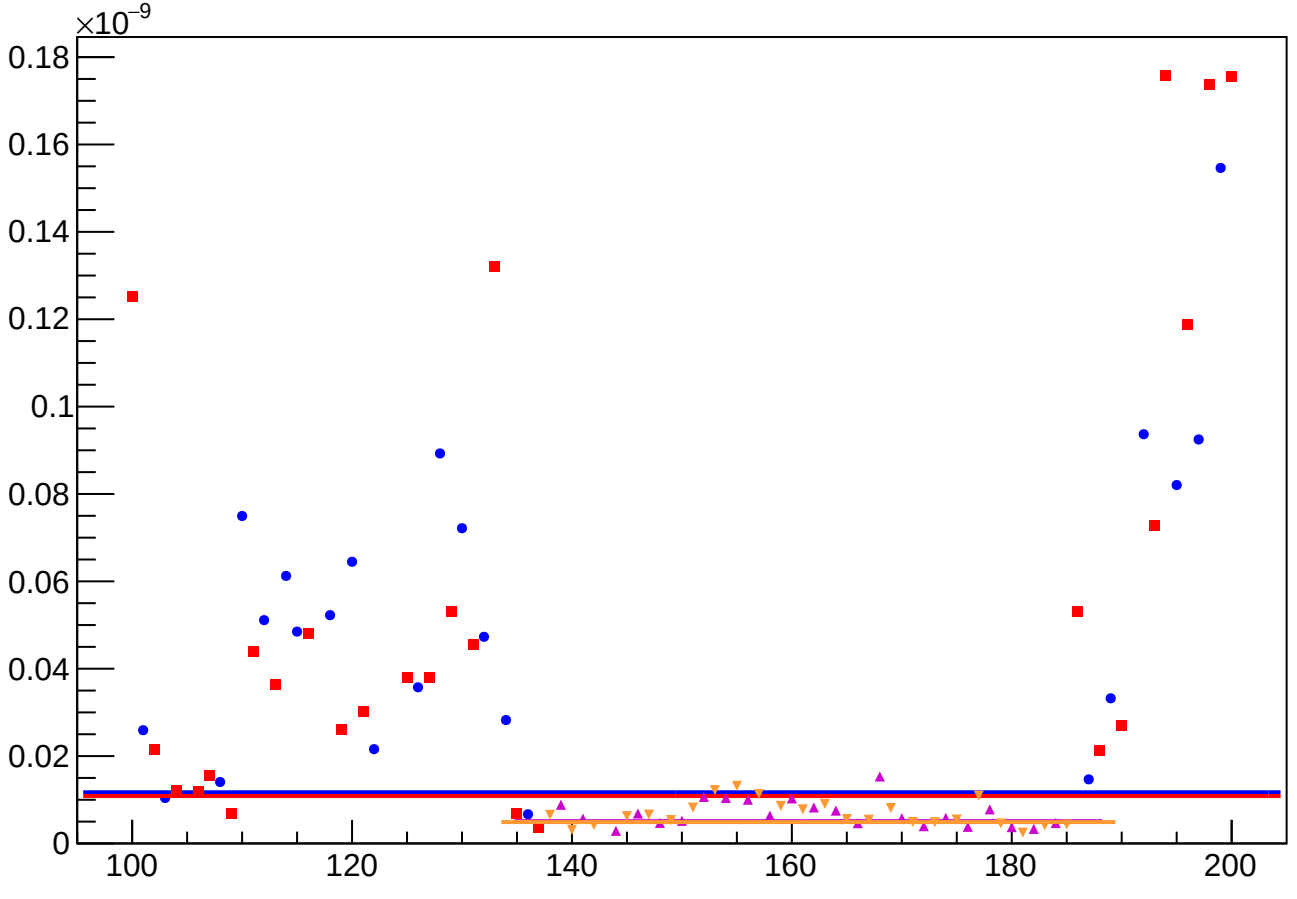
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 48.5/47

In: -0.000+/-0.000 χ^2/NDF:37.8/44

Out: -0.000+/-0.000 χ^2/NDF:52.7/49

All: -0.000+/-0.000 χ^2/NDF: 90.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 7894856.1/21

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

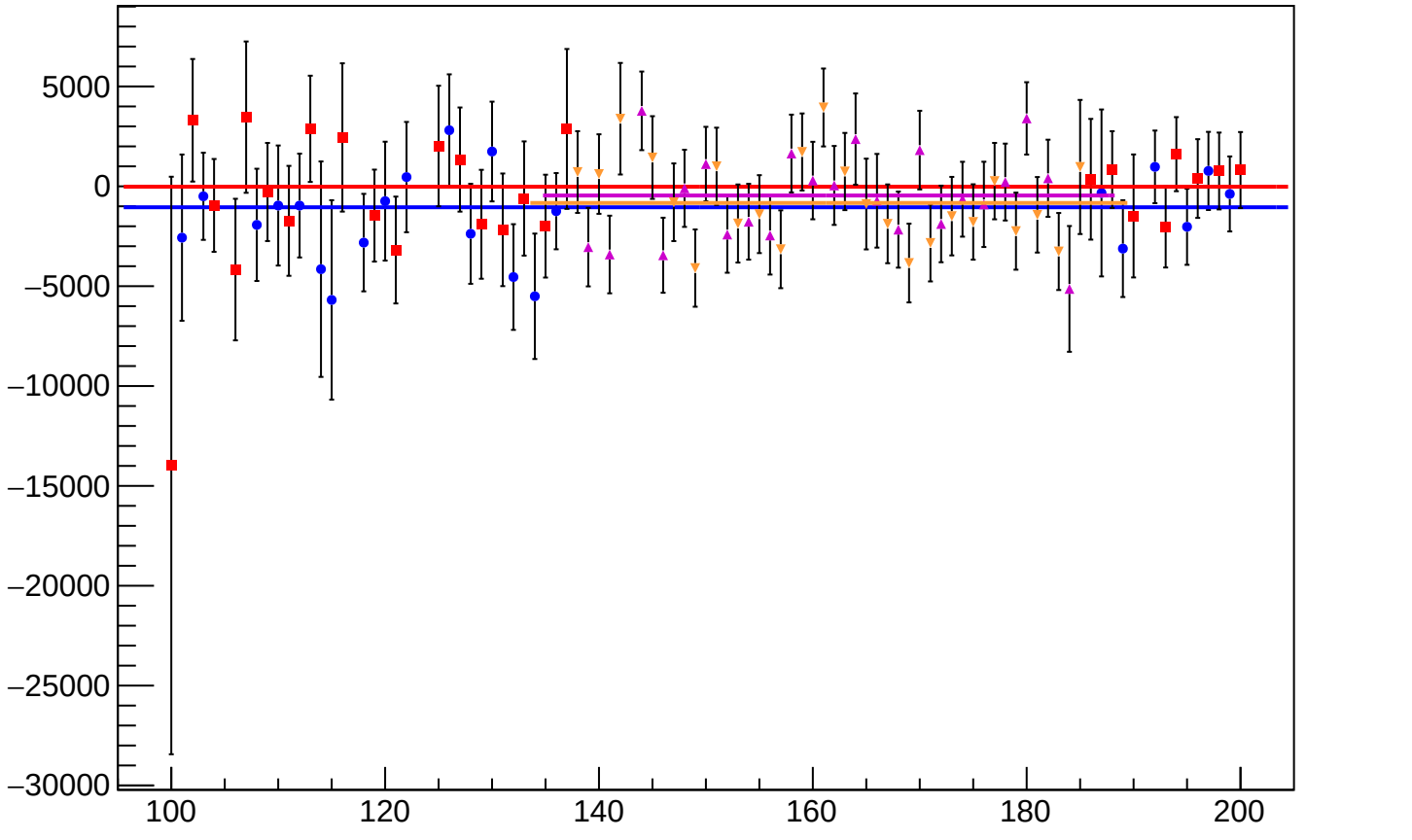
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 16905957.8/47

In: 0.000+/-0.000 χ^2/NDF:13518060.4/44

Out: 0.000+/-0.000 χ^2/NDF:15013393.0/49

All: 0.000+/-0.000 χ^2/NDF: 28553627.5/94



Right In: -1048.464+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -20.717+/-502.599 χ^2/NDF: 13.8/25

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

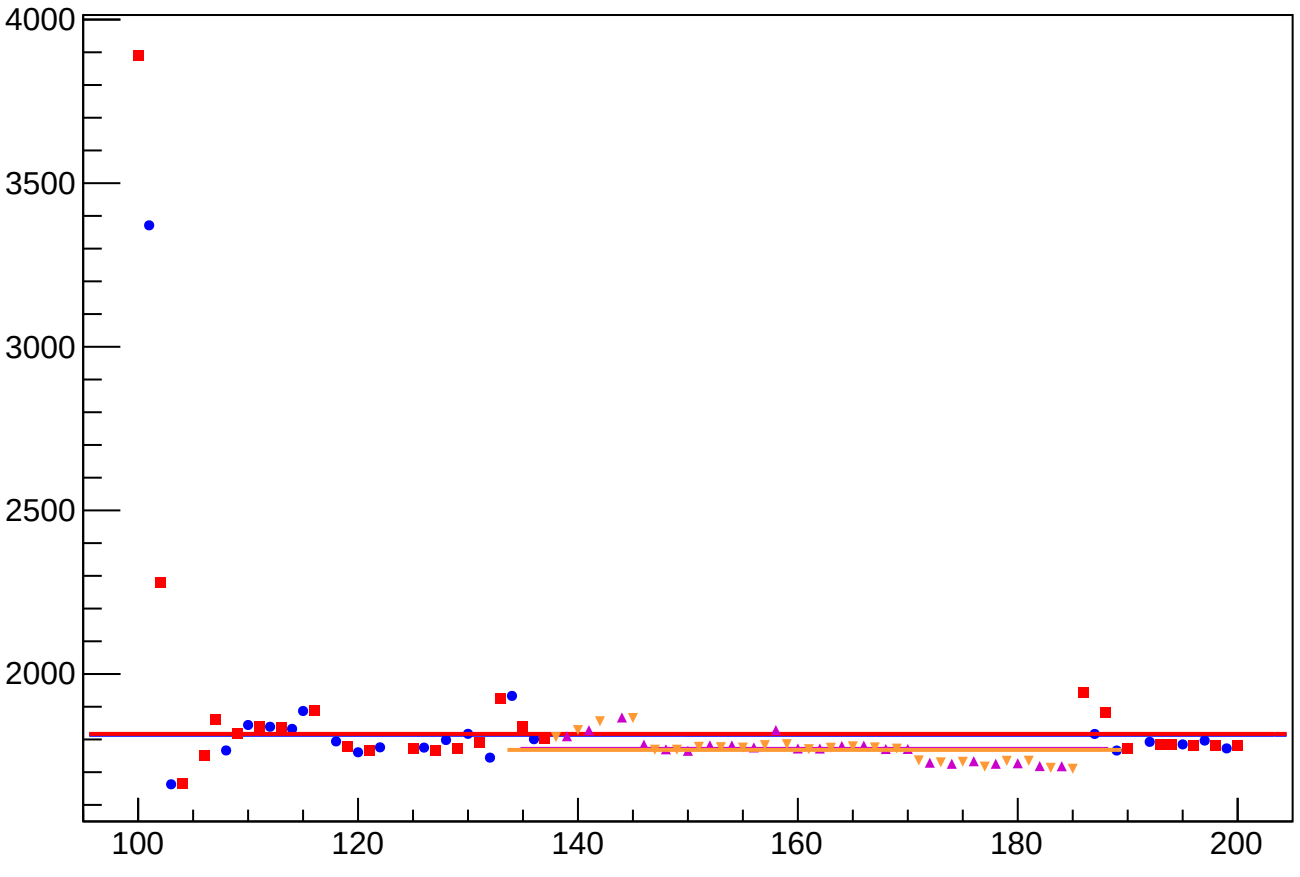
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -499.778+/-367.232 χ^2/NDF: 28.6/47

In: -678.426+/-327.894 χ^2/NDF:40.8/44

Out: -507.763+/-317.908 χ^2/NDF:40.8/49

All: -590.456+/-228.243 χ^2/NDF: 81.8/94



Right In: 1814.346+/-0.380 χ^2/NDF: 299599.1/21

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

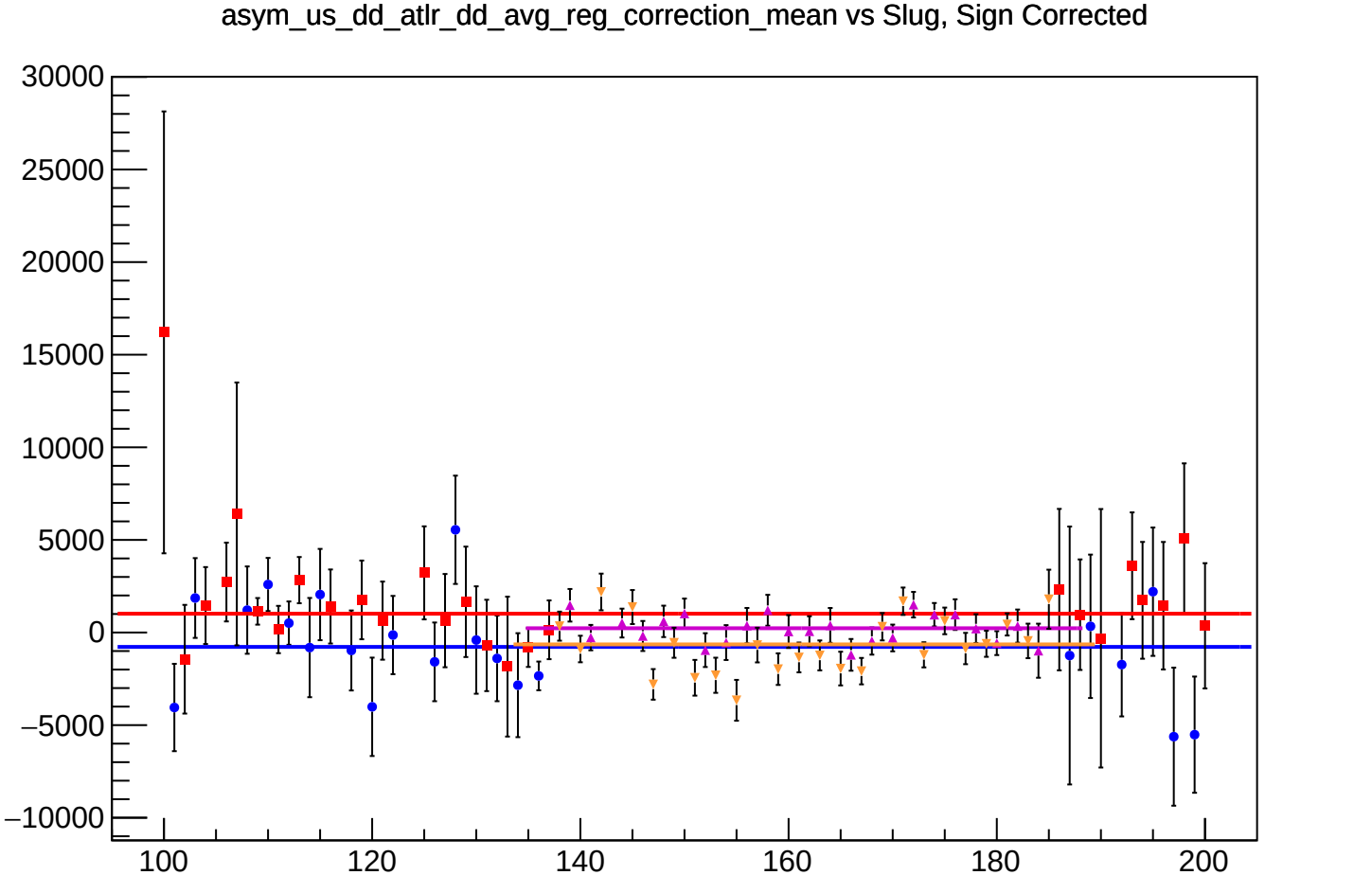
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1815.776+/-0.260 χ^2/NDF: 412477.7/47

In: 1787.245+/-0.232 χ^2/NDF:324104.9/44

Out: 1787.689+/-0.225 χ^2/NDF:140567.4/49

All: 1787.474+/-0.161 χ^2/NDF: 464674.2/94



Right In: -776.971+/-423.046 χ^2/NDF: 28.2/21

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

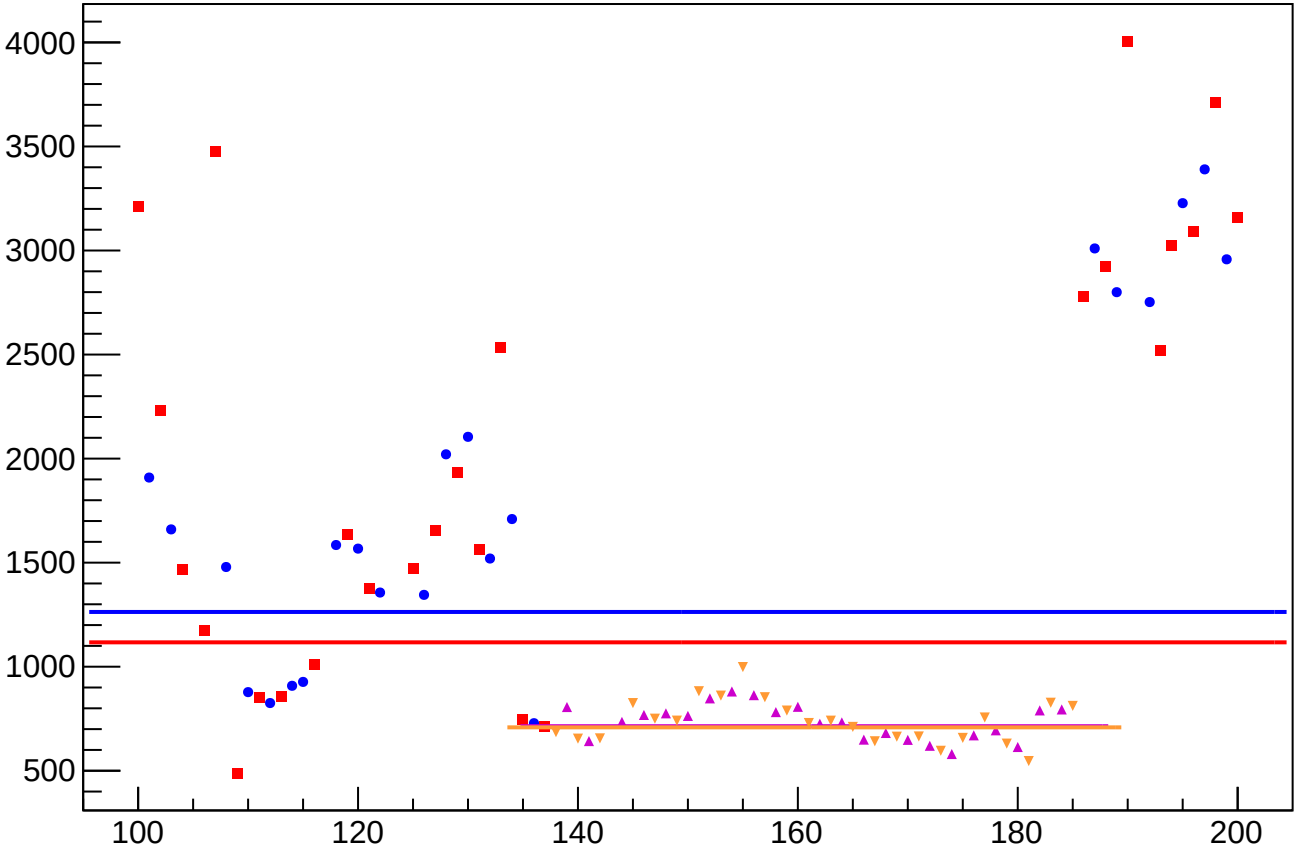
Right: 225.587+/-280.747 χ^2/NDF: 51.9/47

In: 92.942+/-156.395 χ^2/NDF:53.1/44

Out: -368.893+/-152.156 χ^2/NDF:96.6/49

All: -144.319+/-109.058 χ^2/NDF: 154.1/94

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1263.066+/-0.299 χ^2/NDF: 5025685.8/21

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

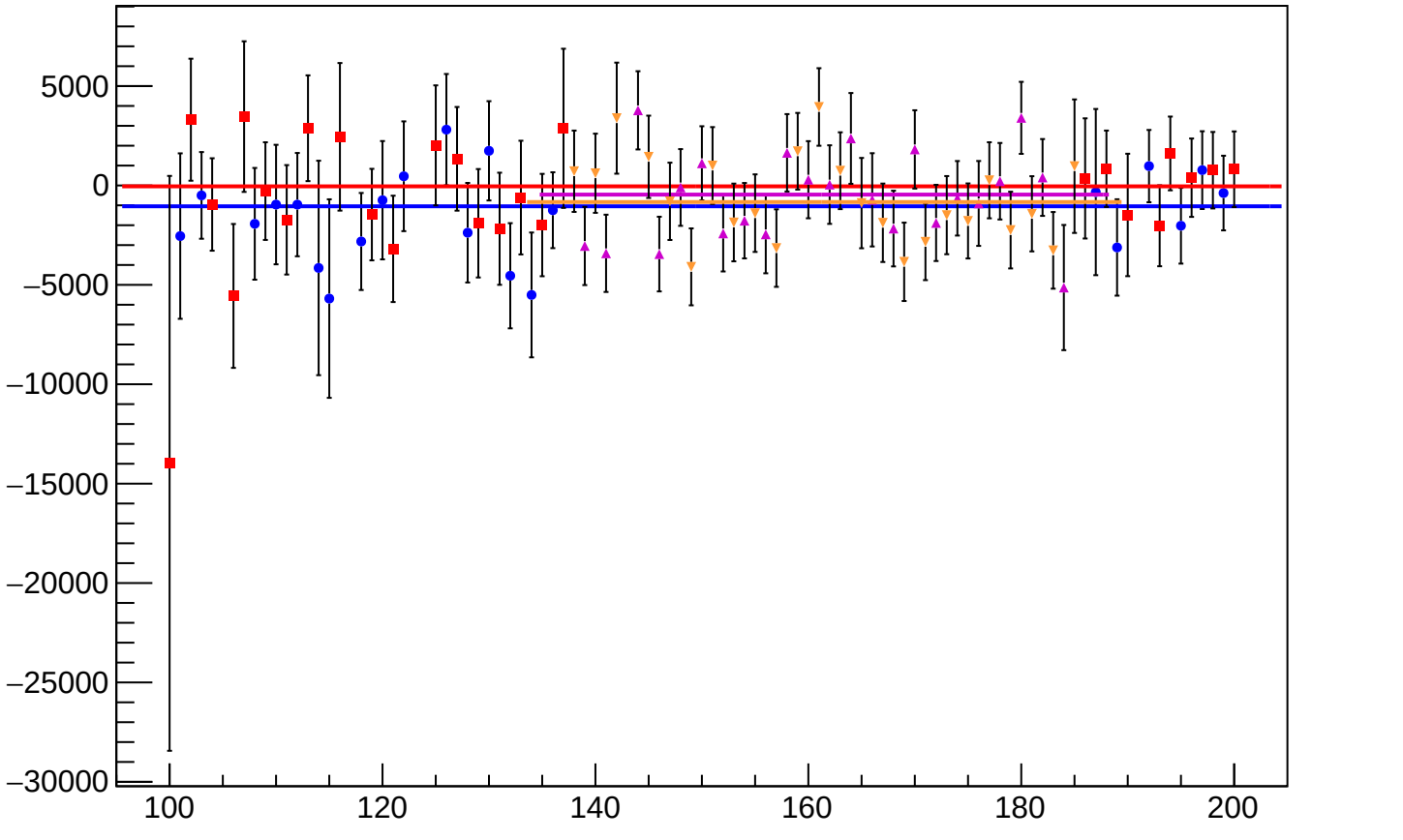
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1181.359+/-0.199 χ^2/NDF: 13441098.3/47

In: 789.180+/-0.111 χ^2/NDF:8429806.7/44

Out: 775.655+/-0.108 χ^2/NDF:10963073.8/49

All: 782.232+/-0.077 χ^2/NDF: 19400564.6/94



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -44.025+/-502.806 χ^2/NDF: 14.8/25

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

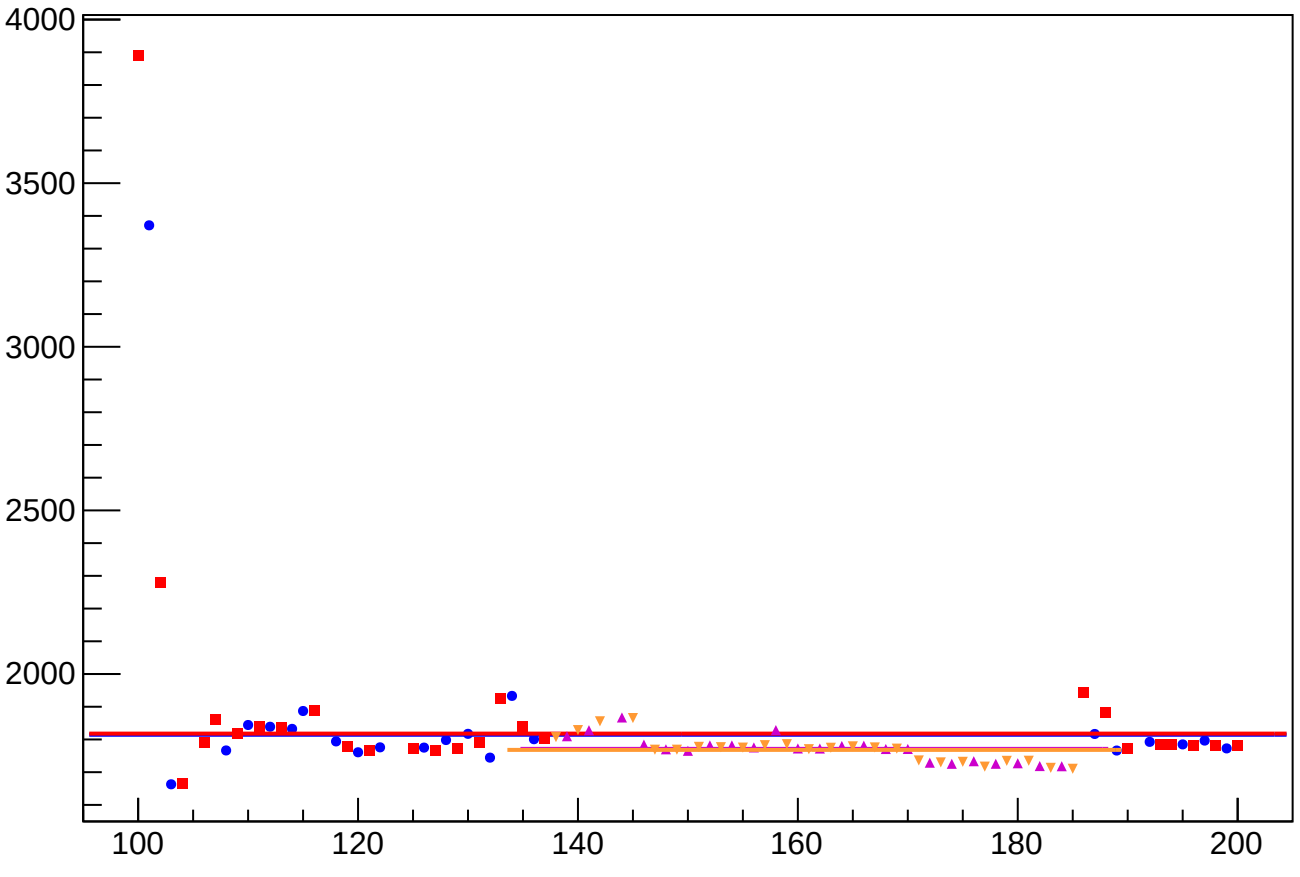
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -512.256+/-367.313 χ^2/NDF: 29.4/47

In: -678.264+/-327.894 χ^2/NDF:40.8/44

Out: -517.180+/-317.960 χ^2/NDF:41.7/49

All: -595.245+/-228.263 χ^2/NDF: 82.6/94



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

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

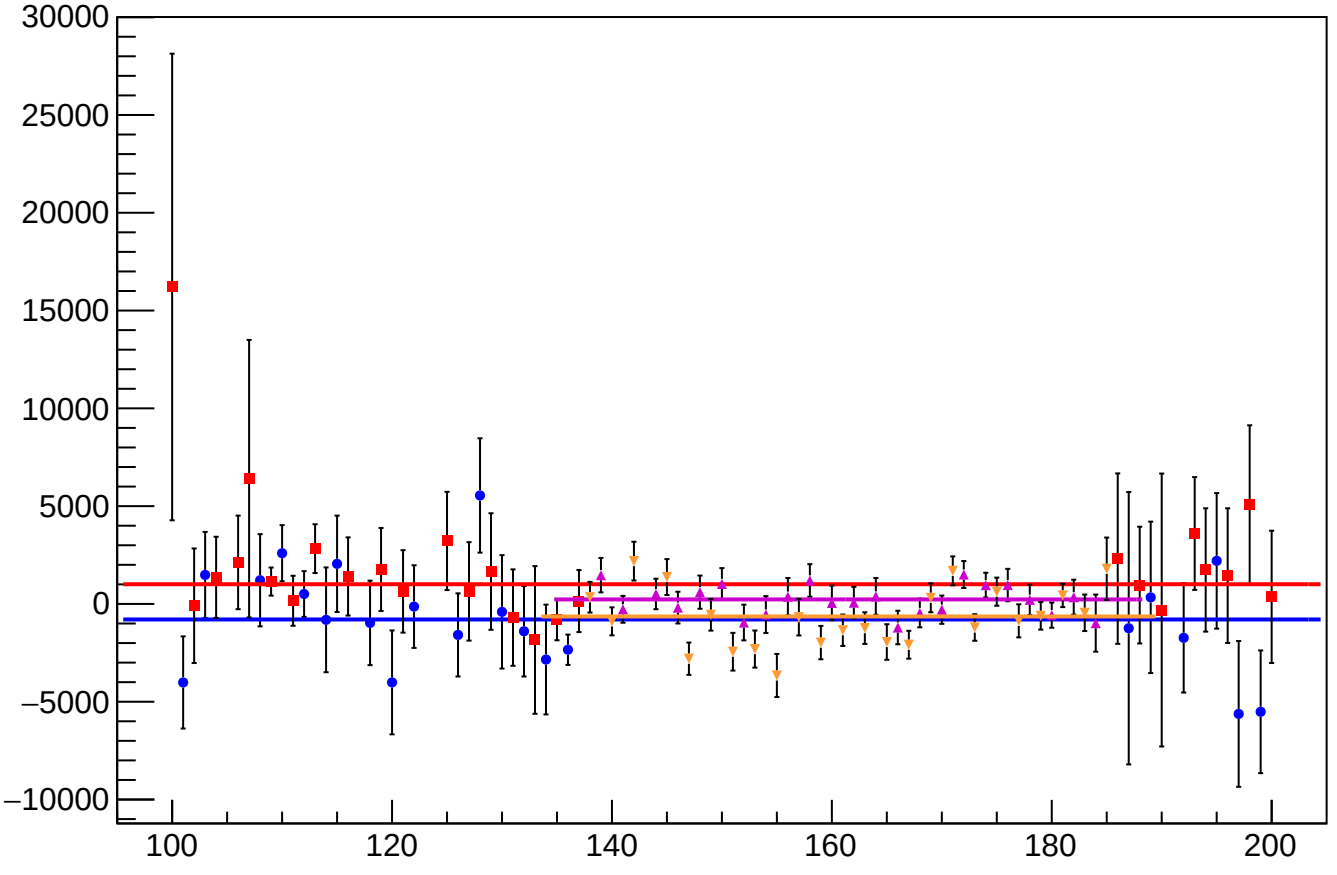
Right: 1816.225+/-0.260 χ^2/NDF: 411890.7/47

In: 1787.245+/-0.232 χ^2/NDF:324106.7/44

Out: 1788.017+/-0.225 χ^2/NDF:140348.7/49

All: 1787.643+/-0.161 χ^2/NDF: 464461.1/94

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

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

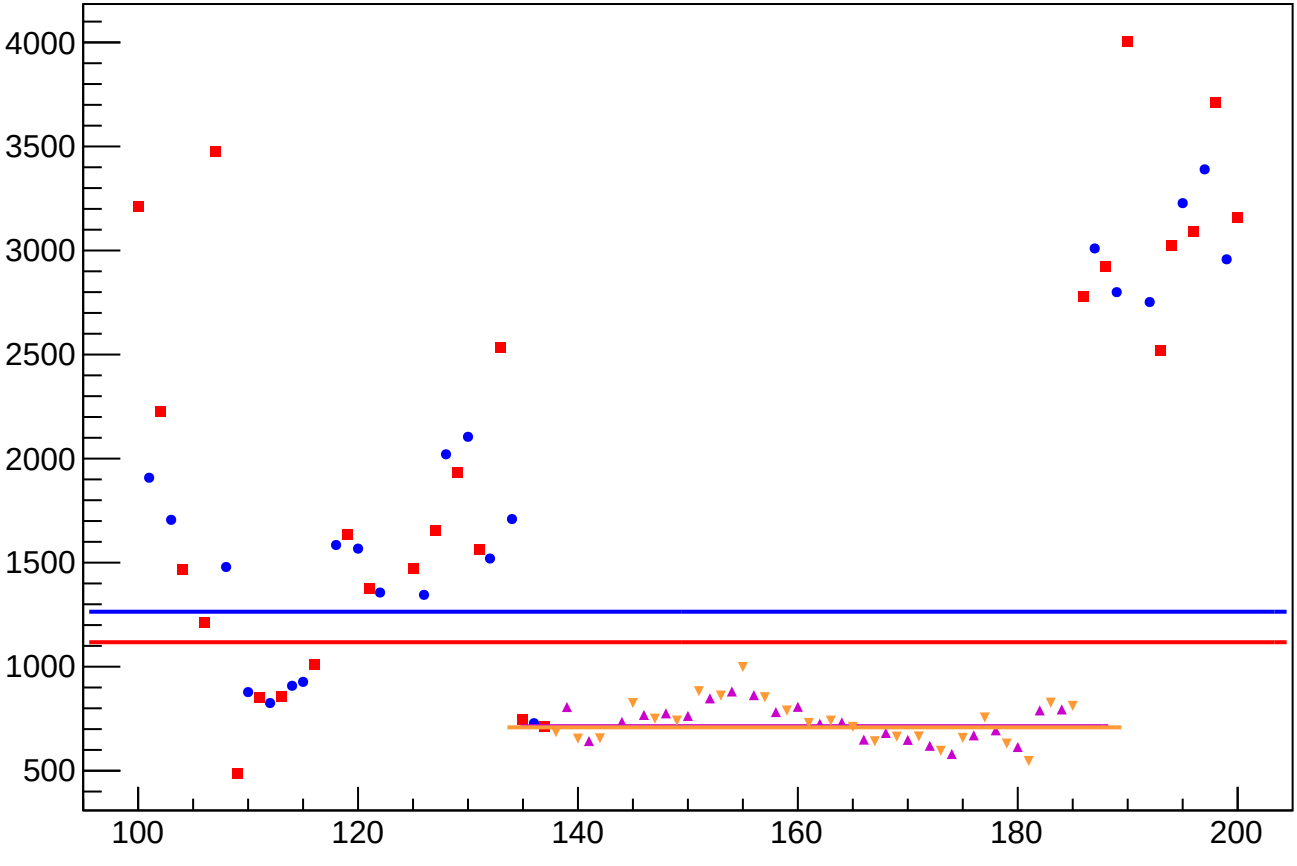
Right: 211.699+/-281.348 χ^2/NDF: 50.5/47

In: 90.704+/-156.412 χ^2/NDF:52.7/44

Out: -371.536+/-152.237 χ^2/NDF:95.3/49

All: -146.668+/-109.094 χ^2/NDF: 152.6/94

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

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

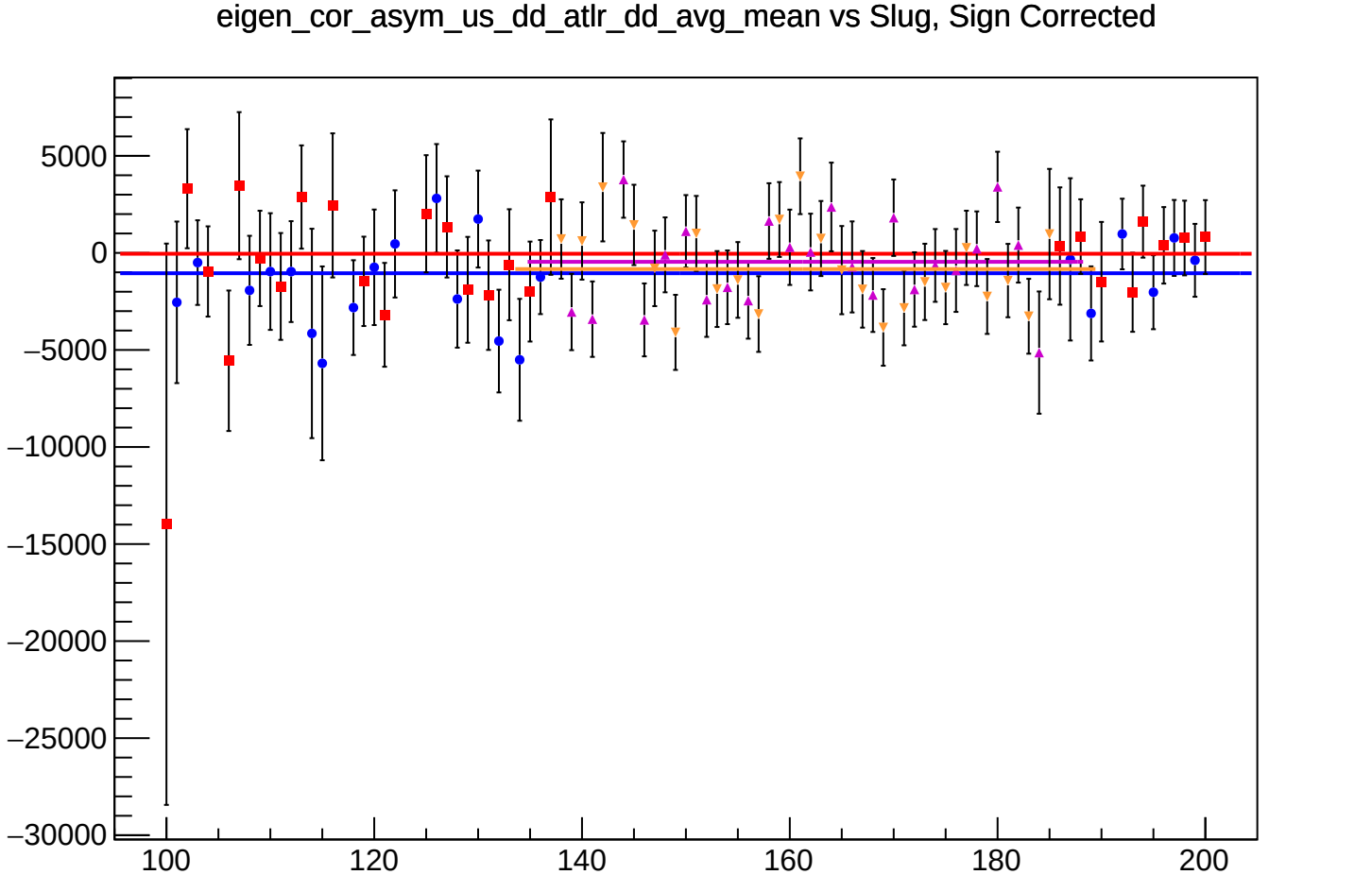
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1182.322+/-0.199 χ^2/NDF: 13455024.6/47

In: 789.235+/-0.111 χ^2/NDF:8450266.6/44

Out: 775.391+/-0.108 χ^2/NDF:10958246.8/49

All: 782.126+/-0.077 χ^2/NDF: 19416560.1/94



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -44.025+/-502.806 χ^2/NDF: 14.8/25

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

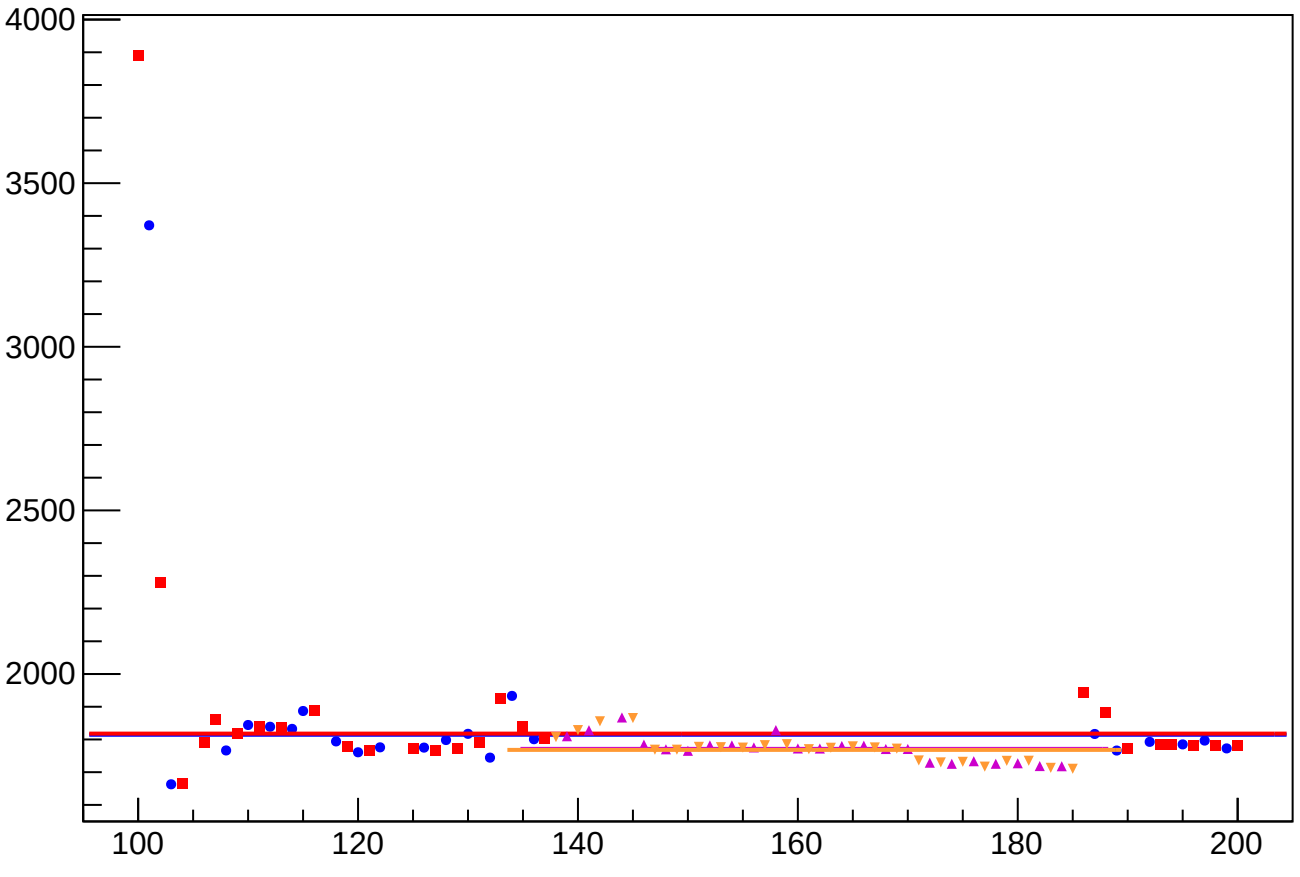
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -512.256+/-367.313 χ^2/NDF: 29.4/47

In: -678.264+/-327.894 χ^2/NDF:40.8/44

Out: -517.180+/-317.960 χ^2/NDF:41.7/49

All: -595.245+/-228.263 χ^2/NDF: 82.6/94



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

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

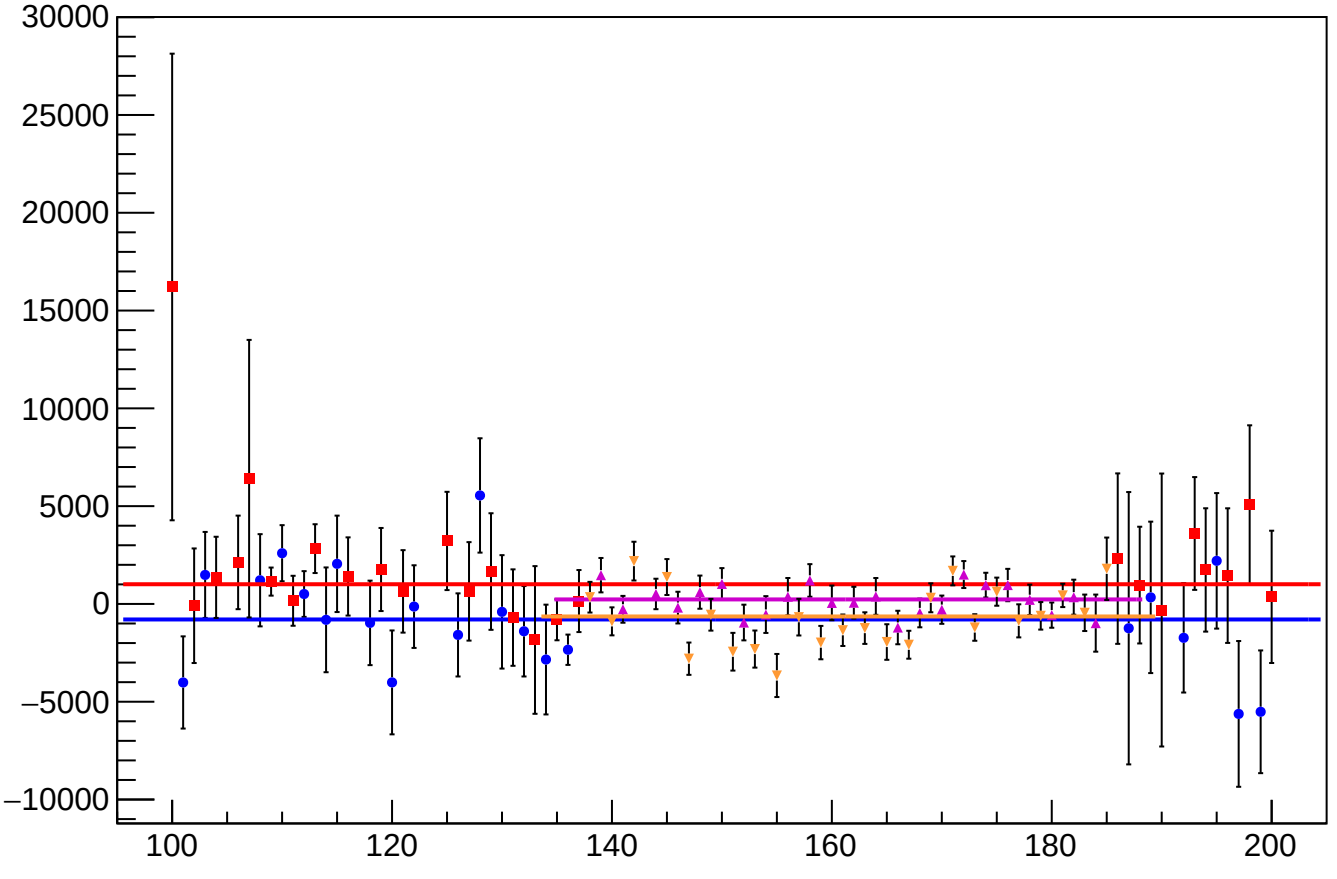
Right: 1816.225+/-0.260 χ^2/NDF: 411890.7/47

In: 1787.245+/-0.232 χ^2/NDF:324106.7/44

Out: 1788.017+/-0.225 χ^2/NDF:140348.7/49

All: 1787.643+/-0.161 χ^2/NDF: 464461.1/94

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

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

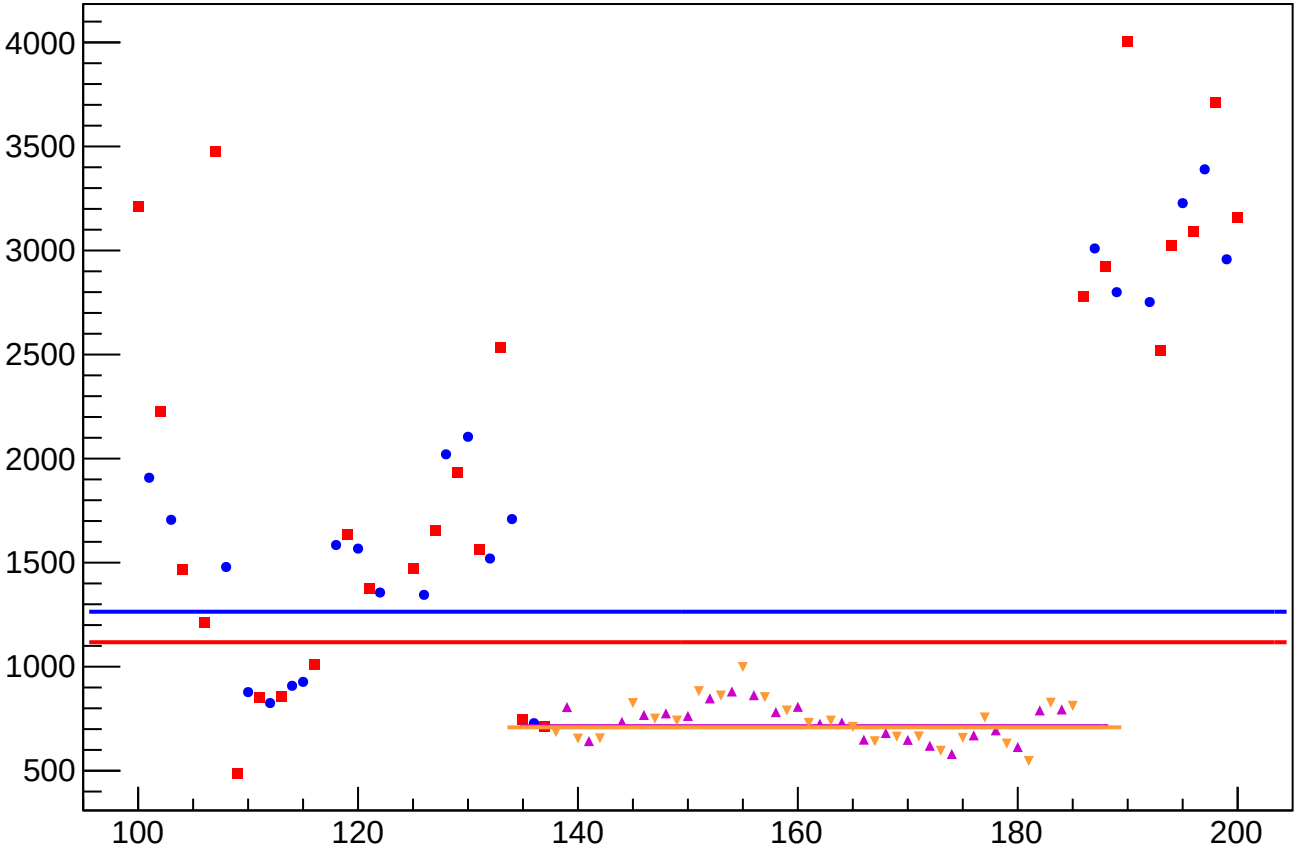
Right: 211.699+/-281.348 χ^2/NDF: 50.5/47

In: 90.704+/-156.412 χ^2/NDF:52.7/44

Out: -371.536+/-152.237 χ^2/NDF:95.3/49

All: -146.668+/-109.094 χ^2/NDF: 152.6/94

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

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

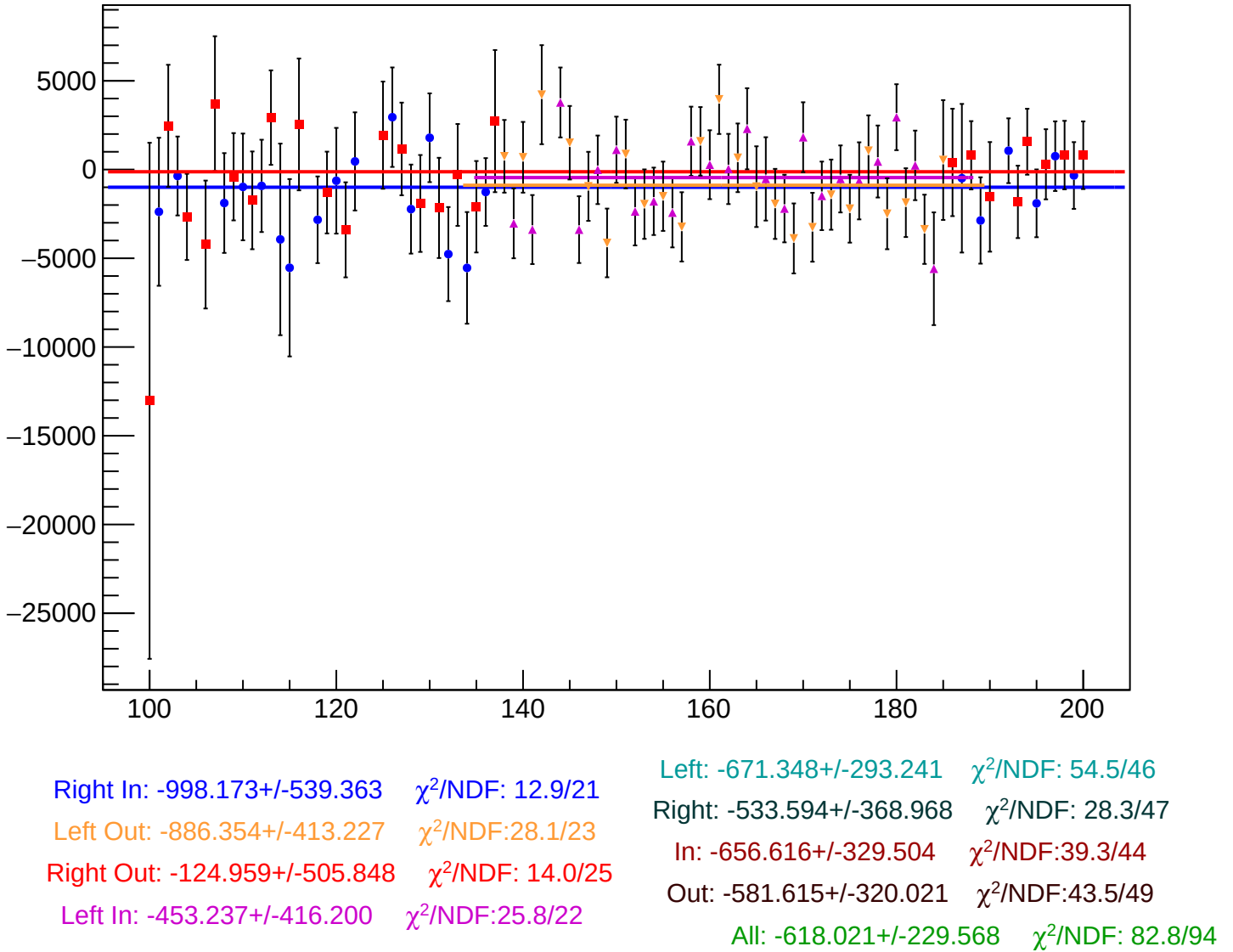
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

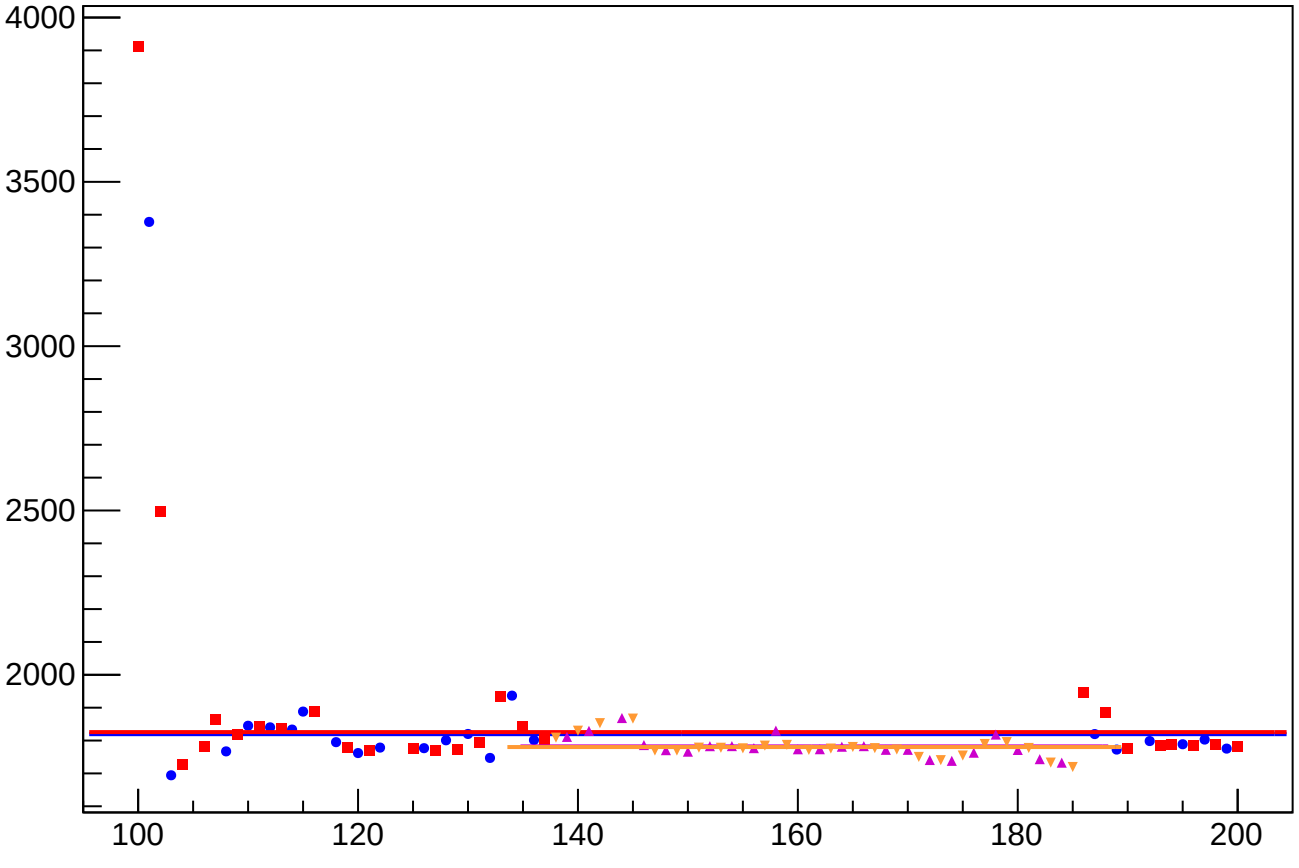
Right: 1182.322+/-0.199 χ^2/NDF: 13455024.6/47

In: 789.235+/-0.111 χ^2/NDF:8450266.6/44

Out: 775.391+/-0.108 χ^2/NDF:10958246.8/49

All: 782.126+/-0.077 χ^2/NDF: 19416560.1/94


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -998.173+/-539.363 χ²/NDF: 12.9/21
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -124.959+/-505.848 χ²/NDF: 14.0/25
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -533.594+/-368.968 χ²/NDF: 28.3/47
In: -656.616+/-329.504 χ²/NDF:39.3/44
Out: -581.615+/-320.021 χ²/NDF:43.5/49
All: -618.021+/-229.568 χ²/NDF: 82.8/94



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

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

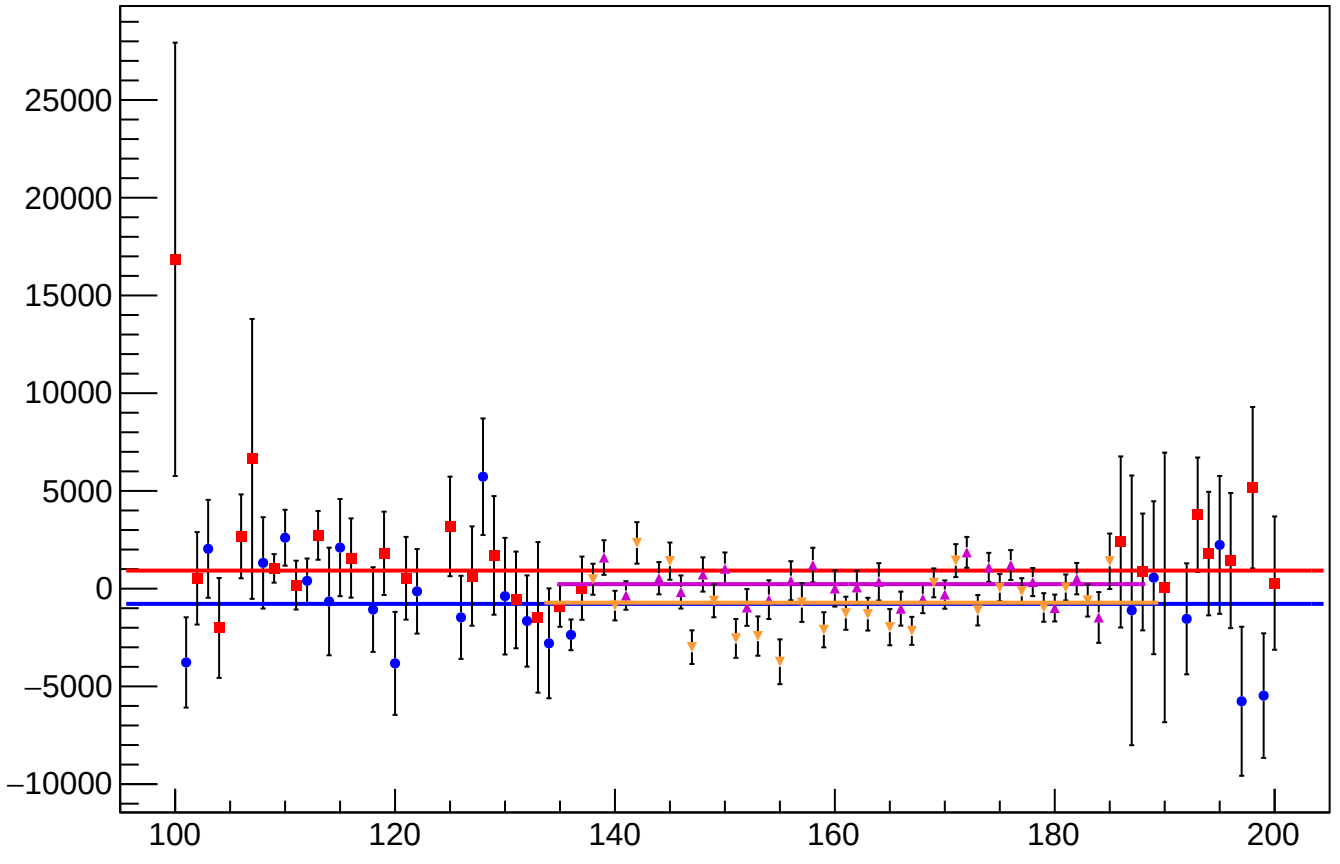
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1822.766+/-0.261 χ^2/NDF: 435115.0/47

In: 1796.148+/-0.233 χ^2/NDF:313375.0/44

Out: 1798.431+/-0.226 χ^2/NDF:158845.3/49

All: 1797.323+/-0.162 χ^2/NDF: 472269.7/94



Right In: -778.179+/-426.888 χ^2/NDF: 27.6/21

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

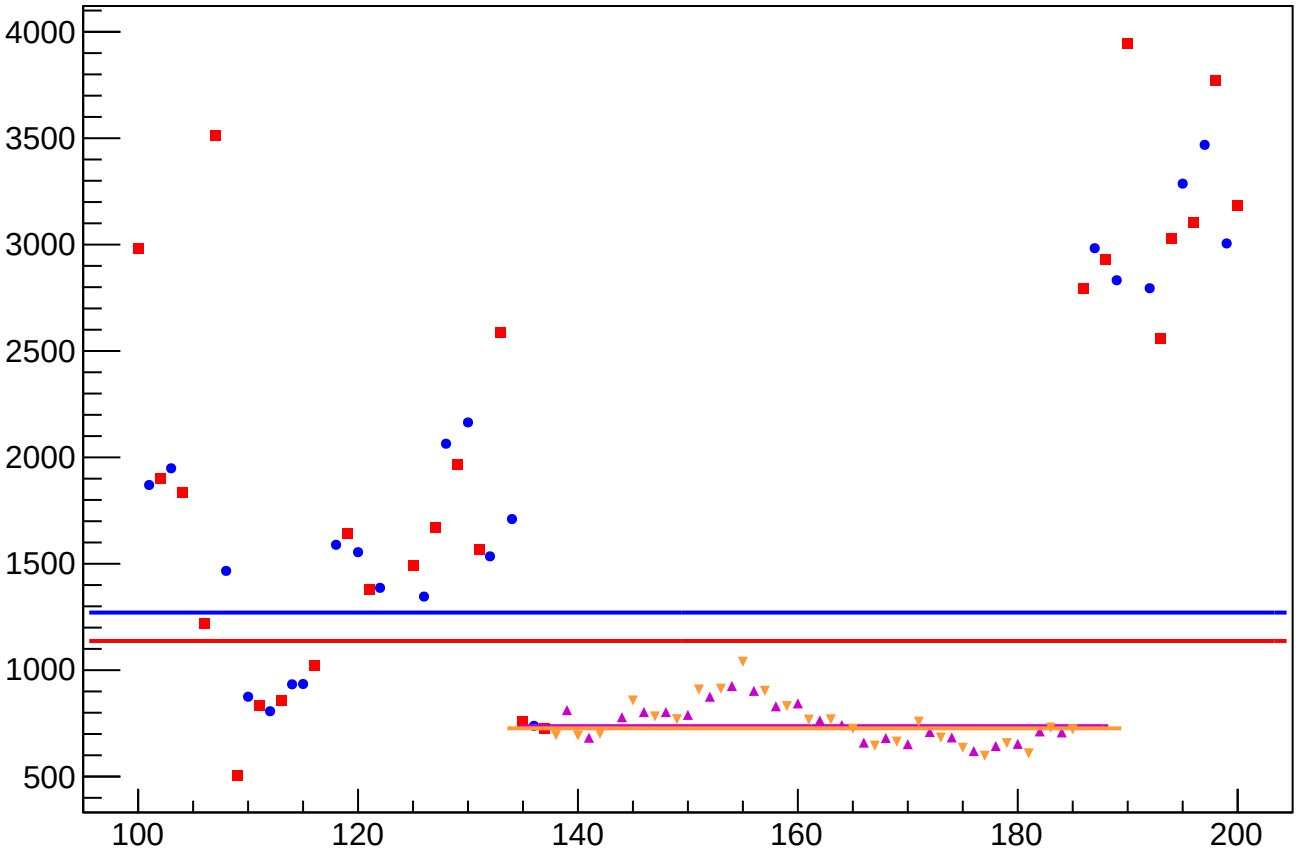
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 174.102+/-283.332 χ^2/NDF: 51.1/47

In: 88.297+/-160.681 χ^2/NDF:56.5/44

Out: -439.950+/-155.554 χ^2/NDF:89.5/49

All: -184.389+/-111.762 χ^2/NDF: 151.6/94



Right In: 1270.655+/-0.302 χ^2/NDF: 5164394.0/21

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

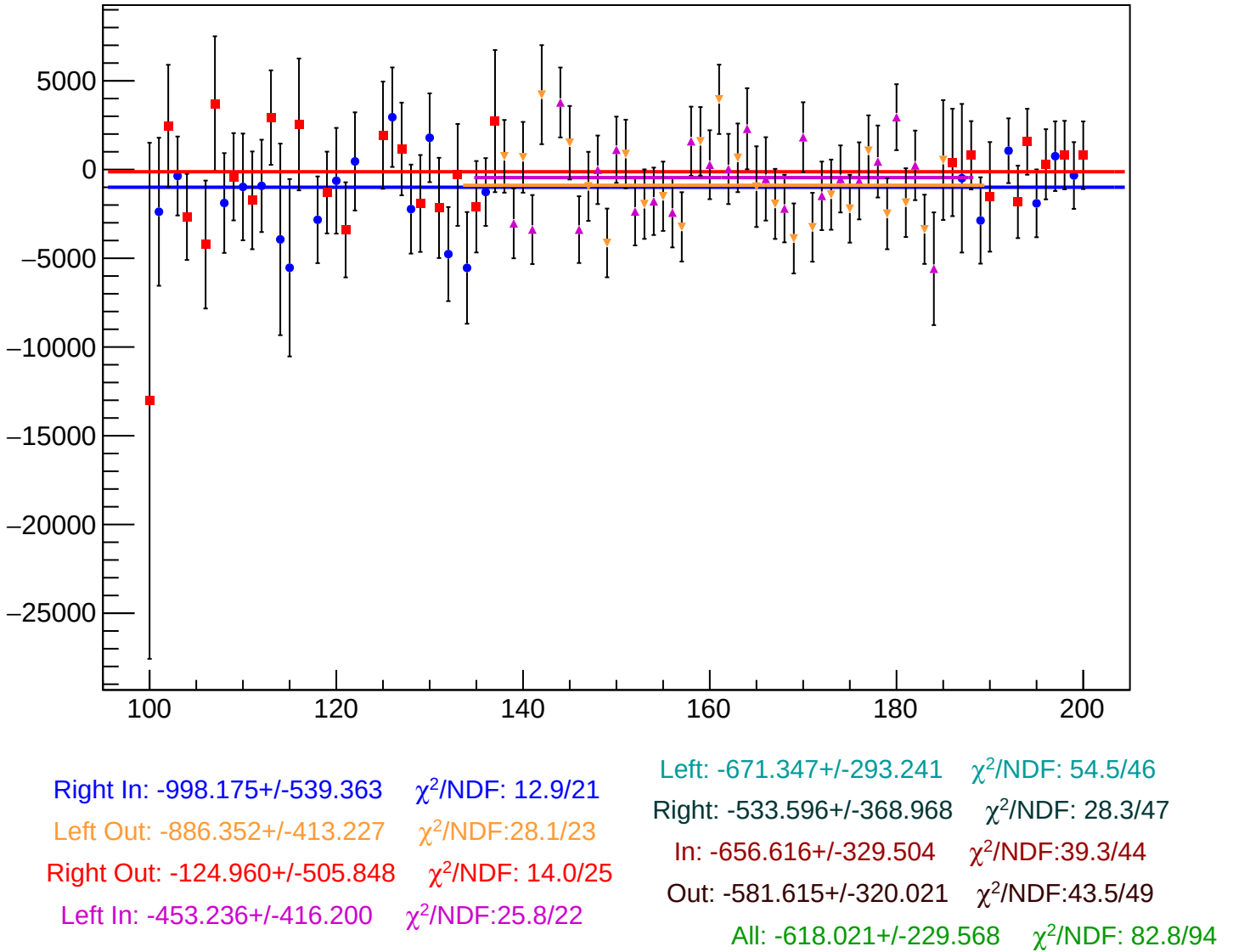
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1195.990+/-0.200 χ^2/NDF: 13484647.6/47

In: 812.357+/-0.114 χ^2/NDF:8315071.1/44

Out: 795.846+/-0.110 χ^2/NDF:10849320.1/49

All: 803.834+/-0.079 χ^2/NDF: 19175292.3/94


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
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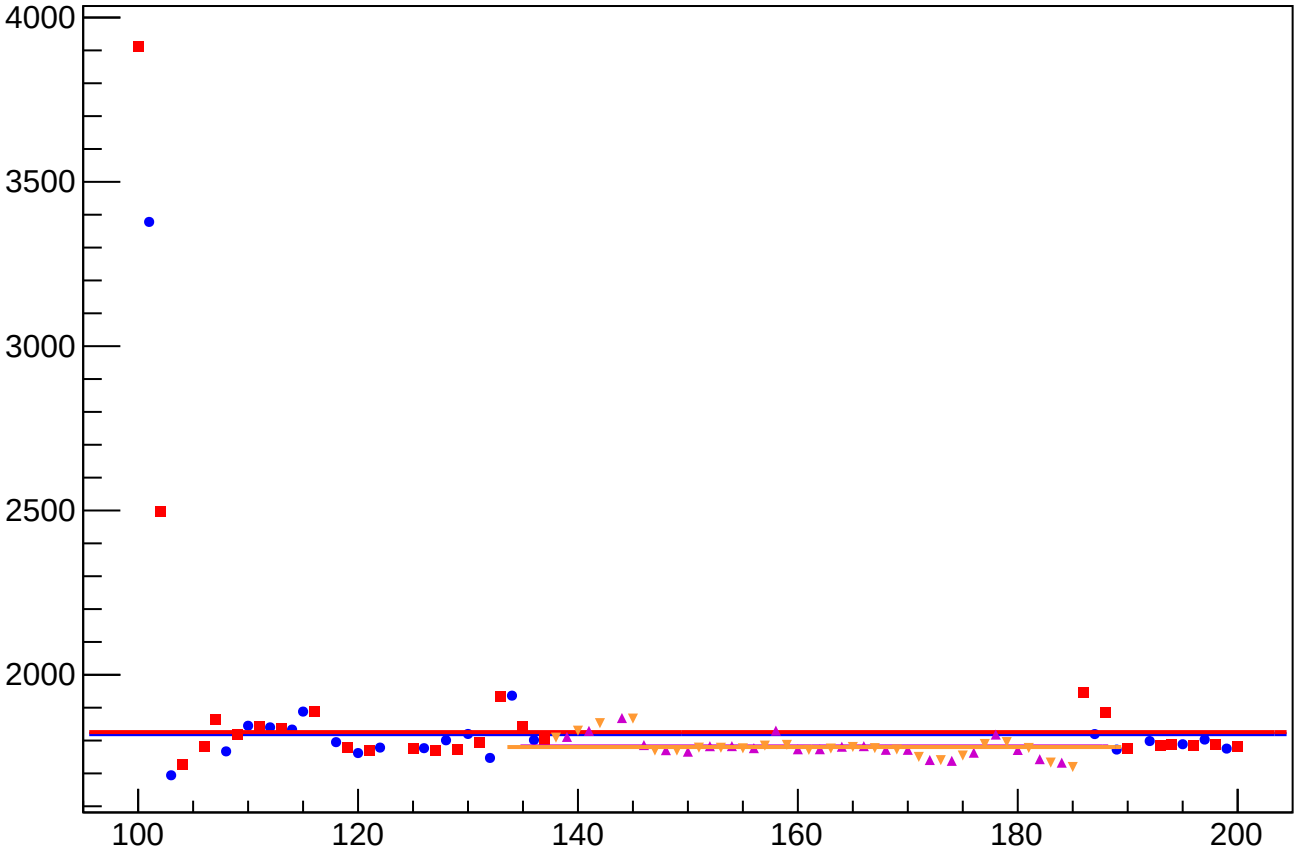
120
140
160
180
200
Right In: -998.175+/-539.363 χ²/NDF: 12.9/21
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -124.960+/-505.848 χ²/NDF: 14.0/25
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -533.596+/-368.968 χ²/NDF: 28.3/47
In: -656.616+/-329.504 χ²/NDF:39.3/44
Out: -581.615+/-320.021 χ²/NDF:43.5/49
All: -618.021+/-229.568 χ²/NDF: 82.8/94



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

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

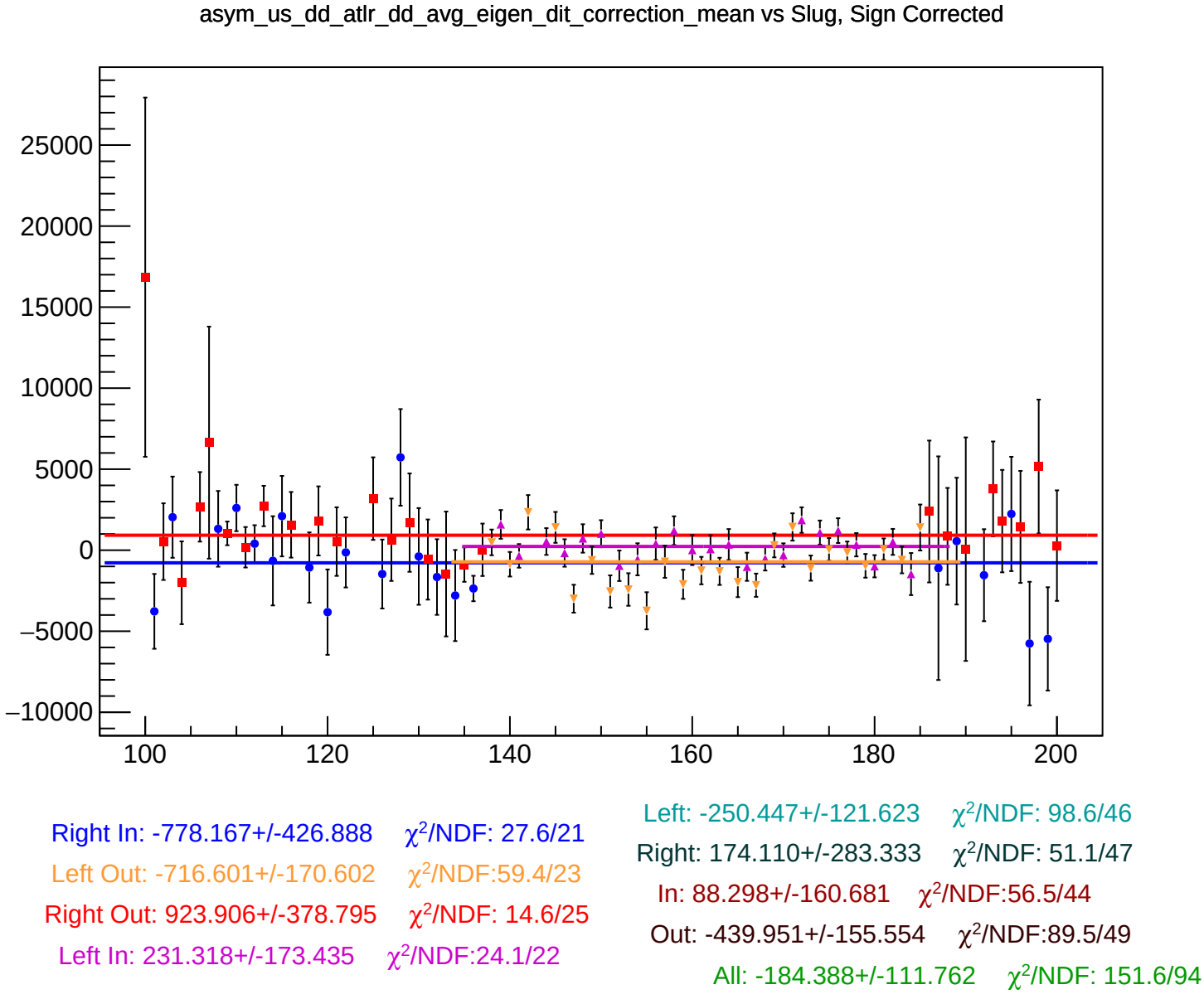
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1822.766+/-0.261 χ^2/NDF: 435115.0/47

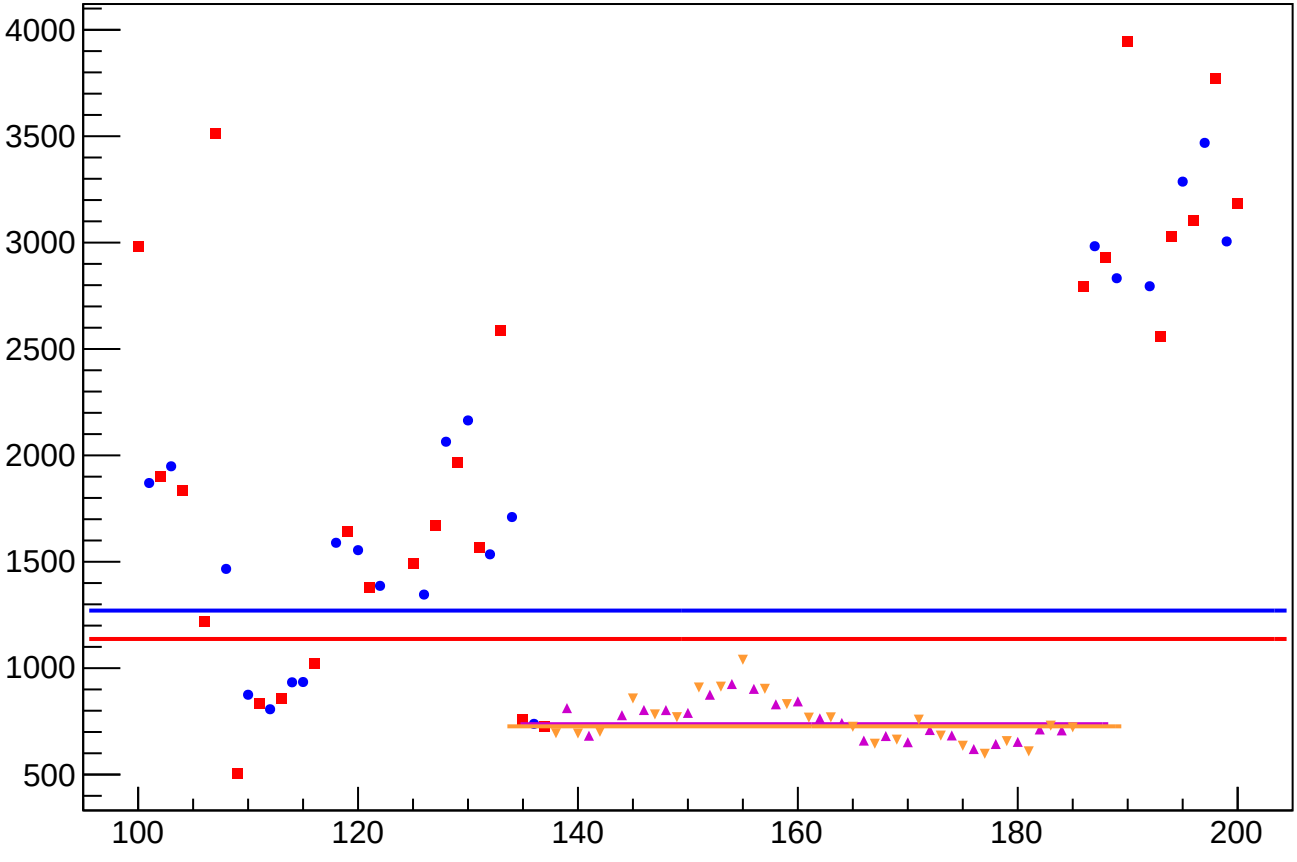
In: 1796.148+/-0.233 χ^2/NDF:313375.0/44

Out: 1798.430+/-0.226 χ^2/NDF:158845.5/49

All: 1797.323+/-0.162 χ^2/NDF: 472269.8/94


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -778.167+/-426.888 χ²/NDF: 27.6/21
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 923.906+/-378.795 χ²/NDF: 14.6/25
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 174.110+/-283.333 χ²/NDF: 51.1/47
In: 88.298+/-160.681 χ²/NDF:56.5/44
Out: -439.951+/-155.554 χ²/NDF:89.5/49
All: -184.388+/-111.762 χ²/NDF: 151.6/94

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1270.658+/-0.302 χ^2/NDF: 5164345.9/21

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

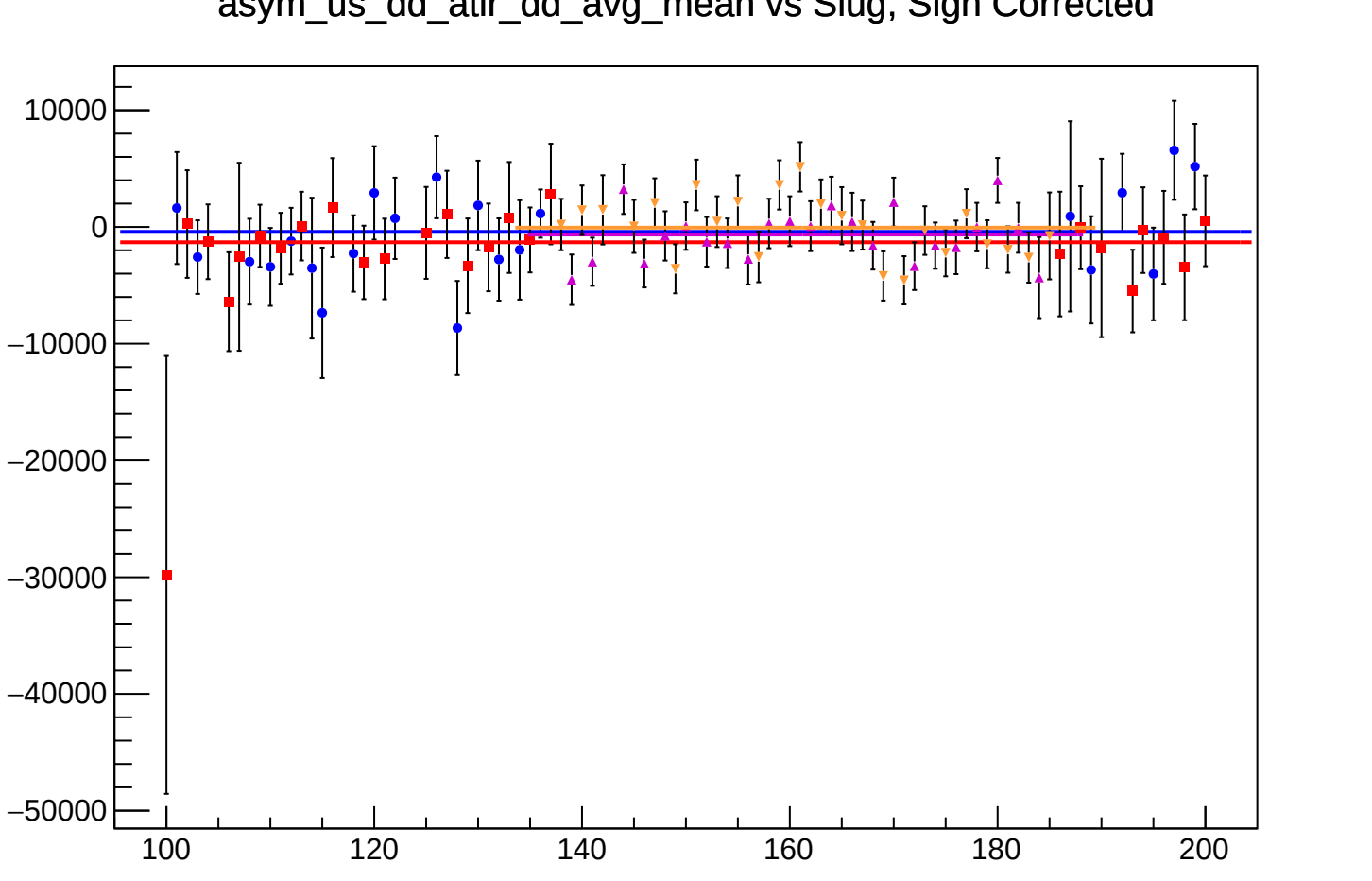
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1195.993+/-0.200 χ^2/NDF: 13484563.1/47

In: 812.357+/-0.114 χ^2/NDF:8315066.1/44

Out: 795.847+/-0.110 χ^2/NDF:10849297.4/49

All: 803.834+/-0.079 χ^2/NDF: 19175263.5/94



Right In: -420.312+/-777.212 χ^2/NDF: 19.8/21

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

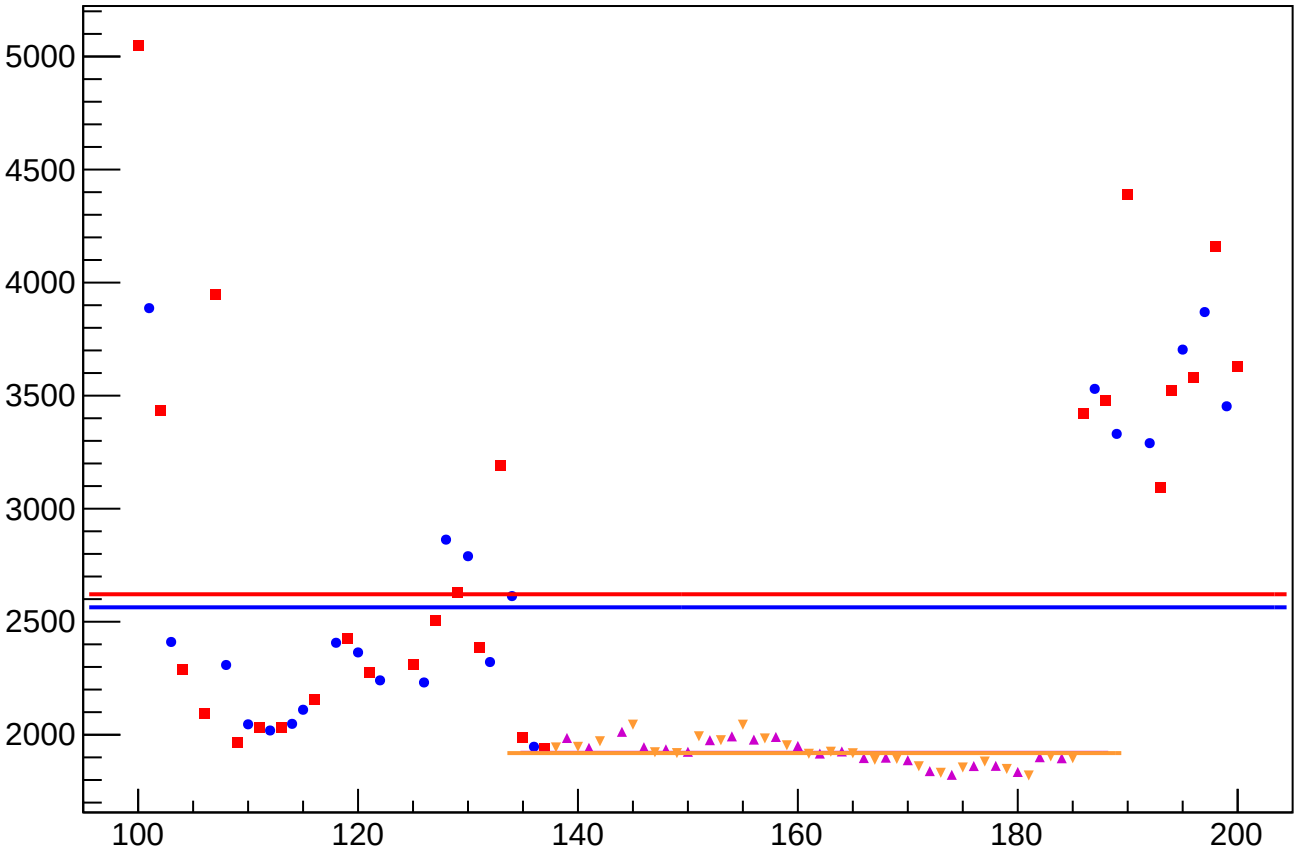
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -882.952+/-539.220 χ^2/NDF: 29.6/47

In: -590.295+/-388.486 χ^2/NDF:43.5/44

Out: -387.242+/-382.918 χ^2/NDF:44.1/49

All: -487.303+/-272.711 χ^2/NDF: 87.8/94



Right In: 2563.767+/-0.550 χ^2/NDF: 1217832.3/21

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

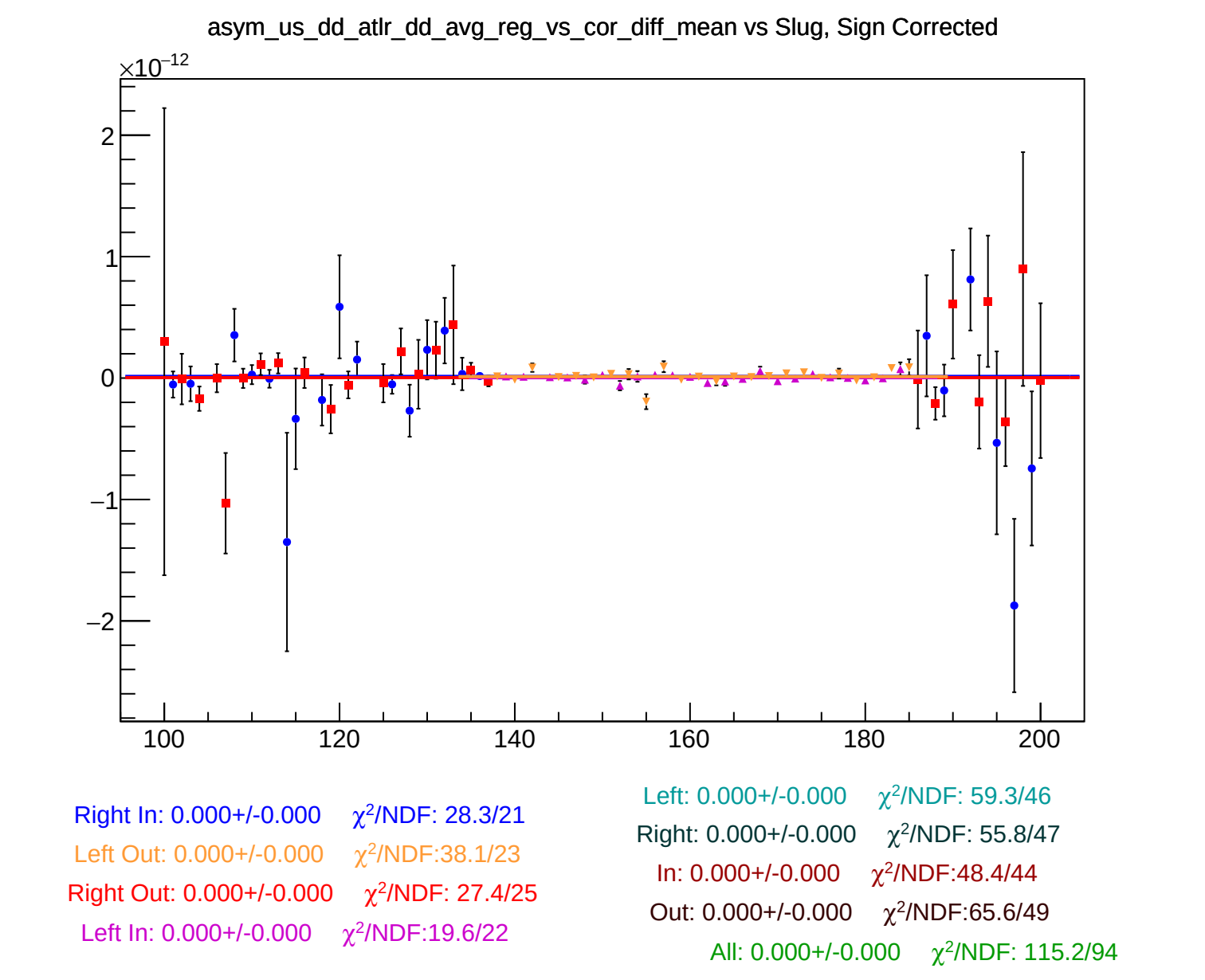
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

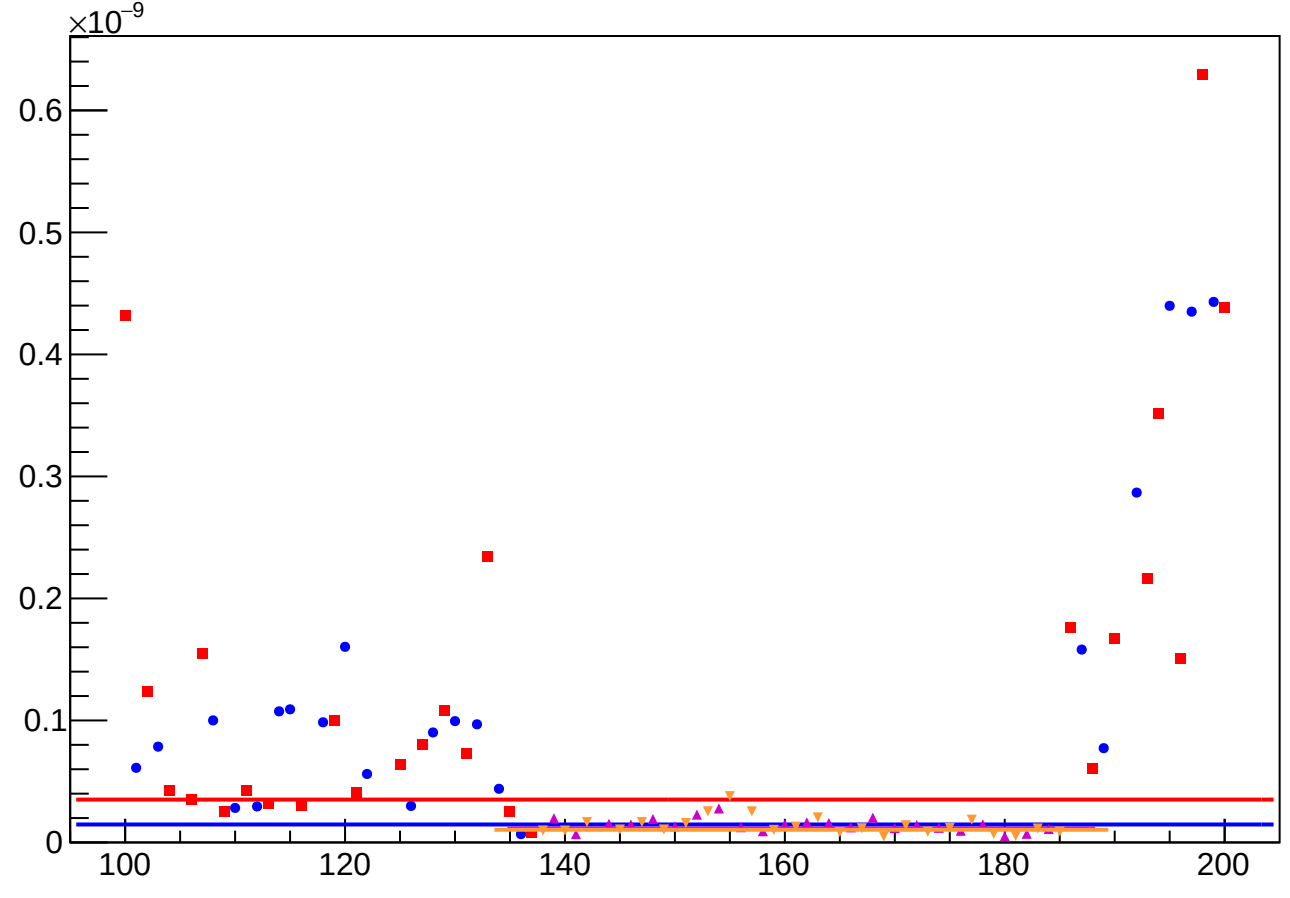
Right: 2593.715+/-0.381 χ^2/NDF: 2867019.3/47

In: 2081.004+/-0.275 χ^2/NDF:2276403.8/44

Out: 2102.727+/-0.271 χ^2/NDF:2979311.0/49

All: 2092.022+/-0.193 χ^2/NDF: 5258886.8/94


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.3/21
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.4/25
Left In: 0.000+/-0.000 χ²/NDF:19.6/22
Left: 0.000+/-0.000 χ²/NDF: 59.3/46
Right: 0.000+/-0.000 χ²/NDF: 55.8/47
In: 0.000+/-0.000 χ²/NDF:48.4/44
Out: 0.000+/-0.000 χ²/NDF:65.6/49
All: 0.000+/-0.000 χ²/NDF: 115.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 6848635.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5807661.8/25

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

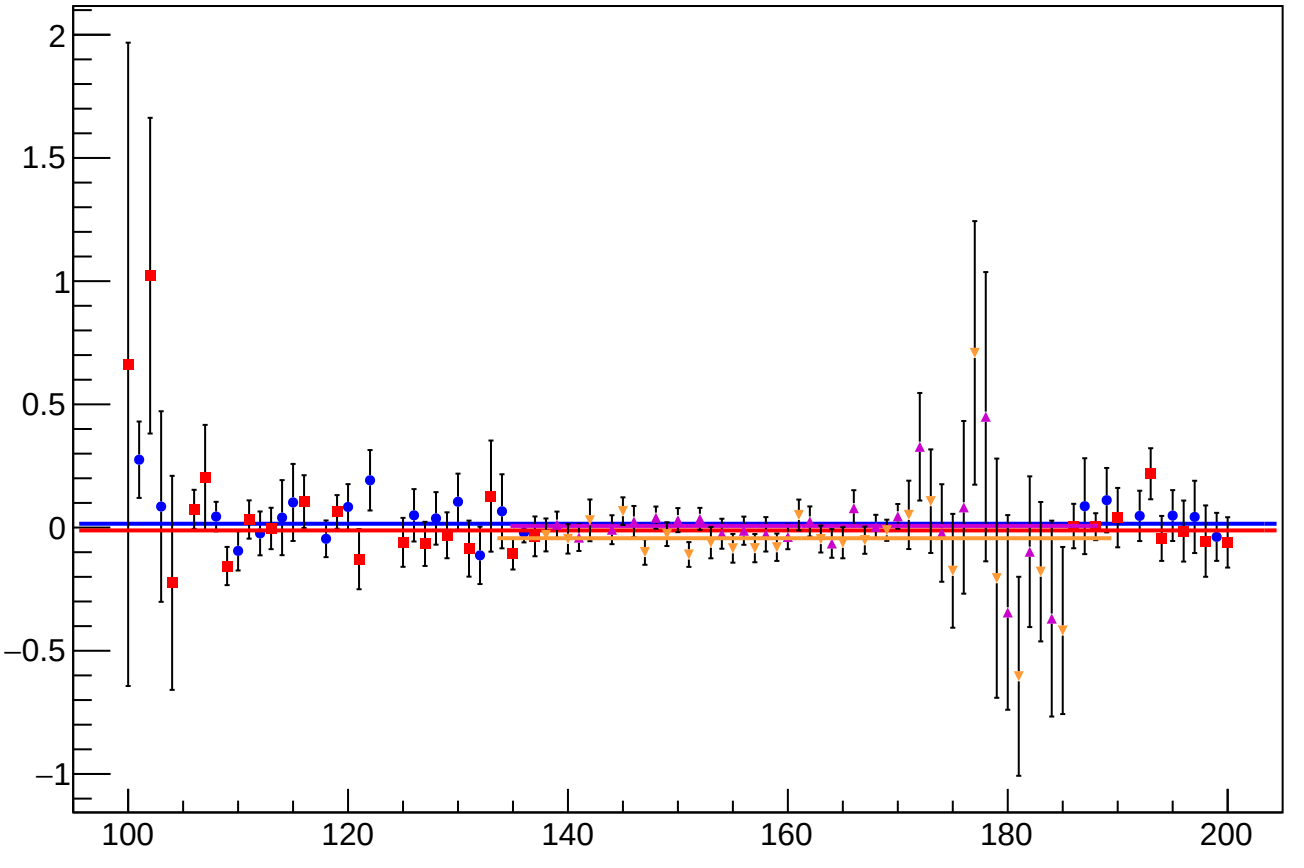
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 13770606.5/47

In: 0.000+/-0.000 χ^2/NDF:8840371.8/44

Out: 0.000+/-0.000 χ^2/NDF:10007104.7/49

All: 0.000+/-0.000 χ^2/NDF: 18857251.1/94



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

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

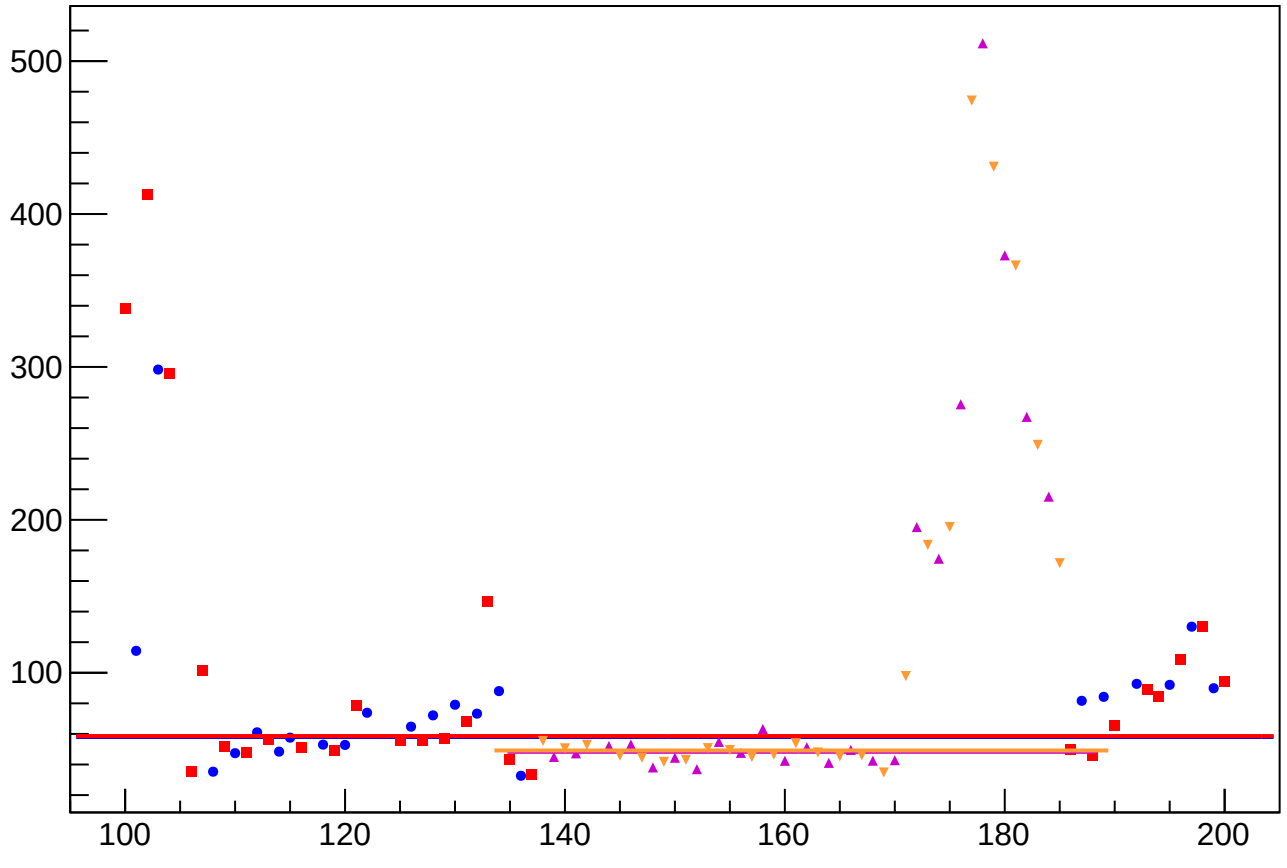
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.001+/-0.014 χ^2/NDF: 35.8/47

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/94



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

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

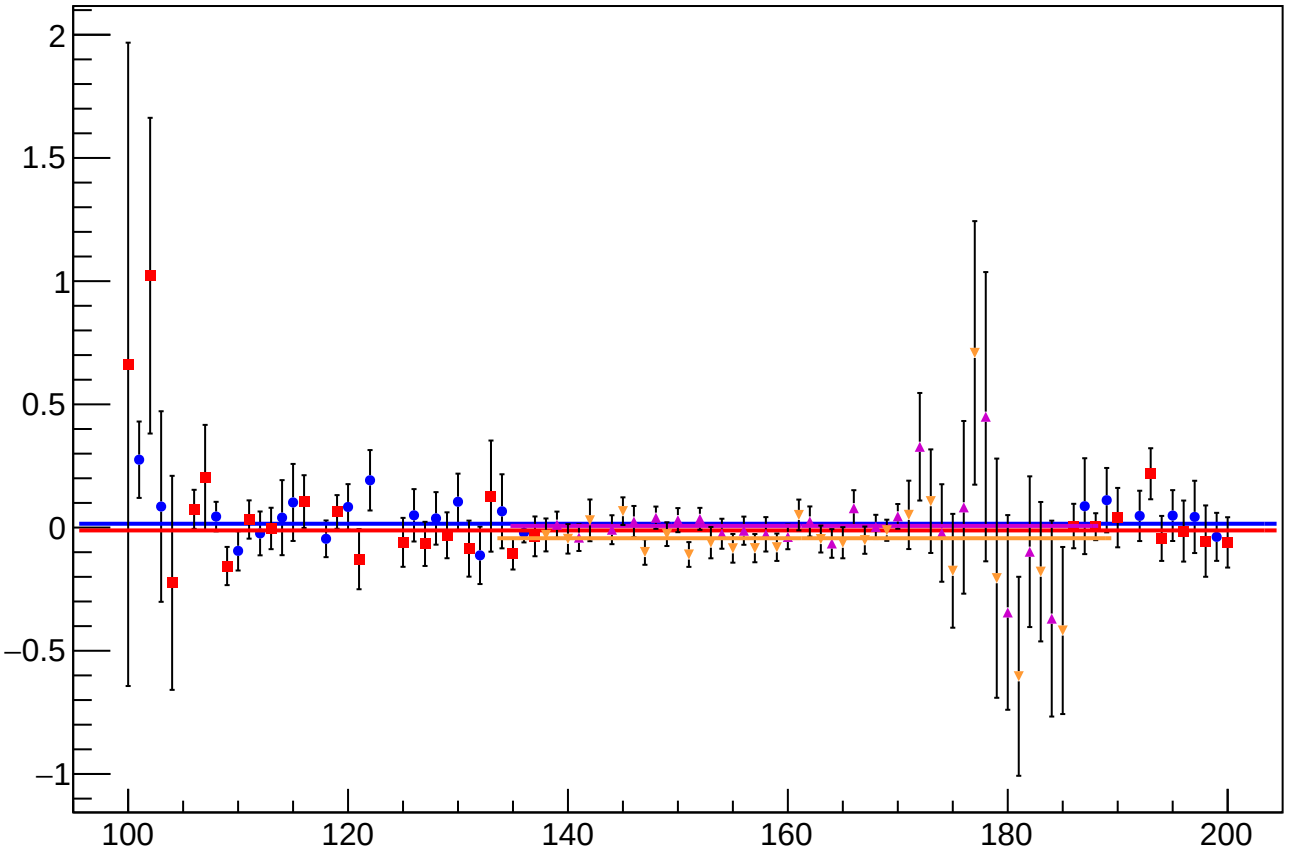
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 58.332+/-0.010 χ^2/NDF: 7620806.8/47

In: 51.366+/-0.008 χ^2/NDF:11116208.6/44

Out: 52.511+/-0.008 χ^2/NDF:11444280.9/49

All: 51.939+/-0.006 χ^2/NDF: 22570962.4/94



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

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

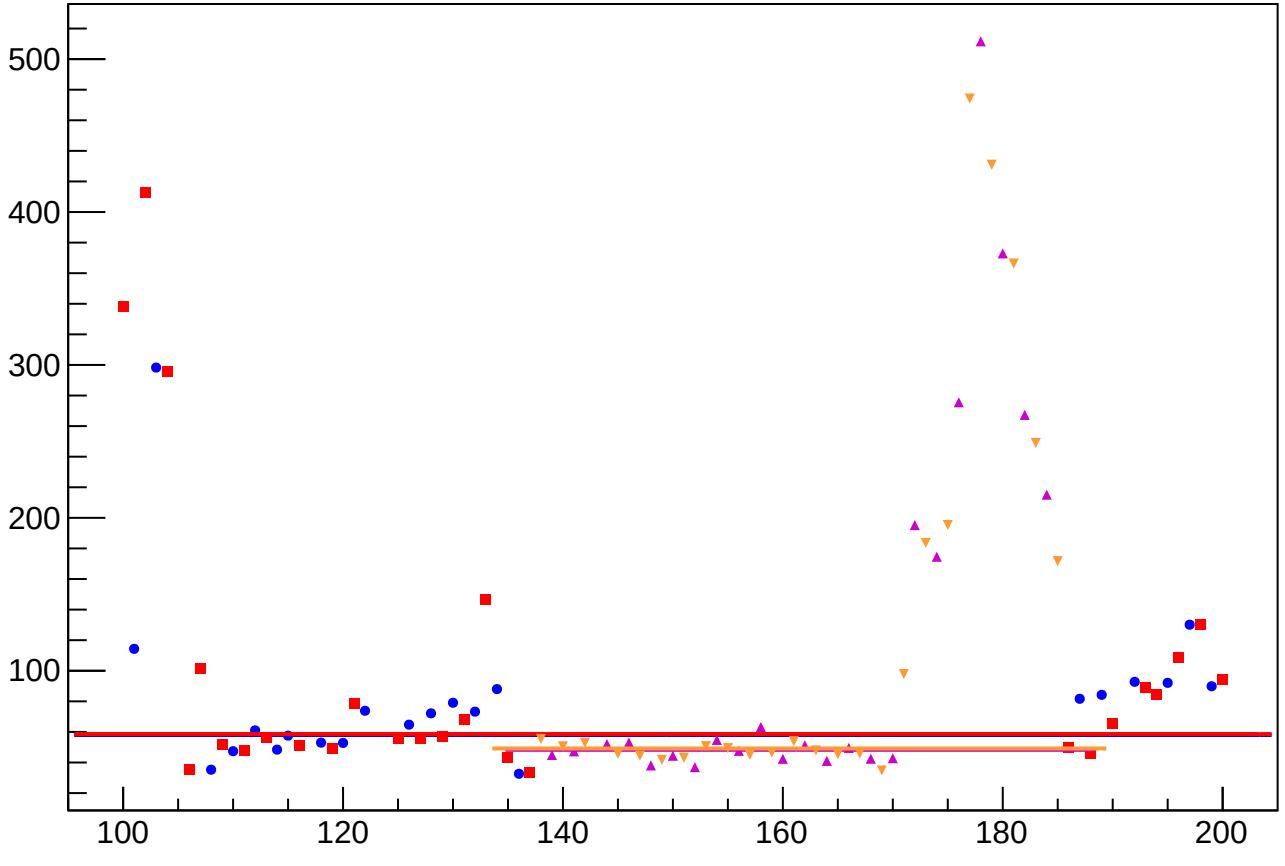
Right: 0.001+/-0.014 χ^2/NDF: 35.8/47

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/94

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

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

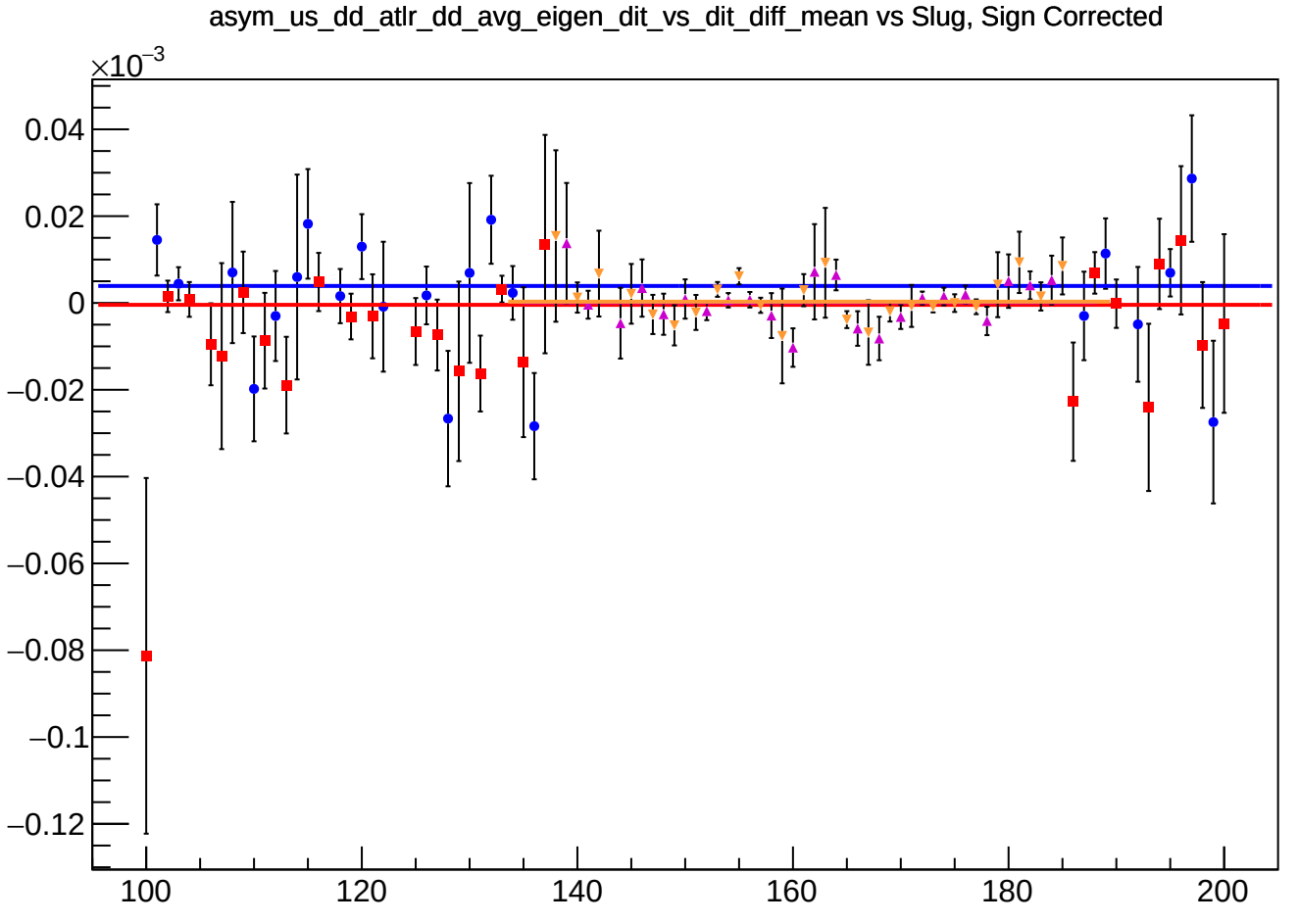
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 58.332+/-0.010 χ^2/NDF: 7620806.8/47

In: 51.366+/-0.008 χ^2/NDF:11116208.6/44

Out: 52.511+/-0.008 χ^2/NDF:11444280.9/49

All: 51.939+/-0.006 χ^2/NDF: 22570962.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

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

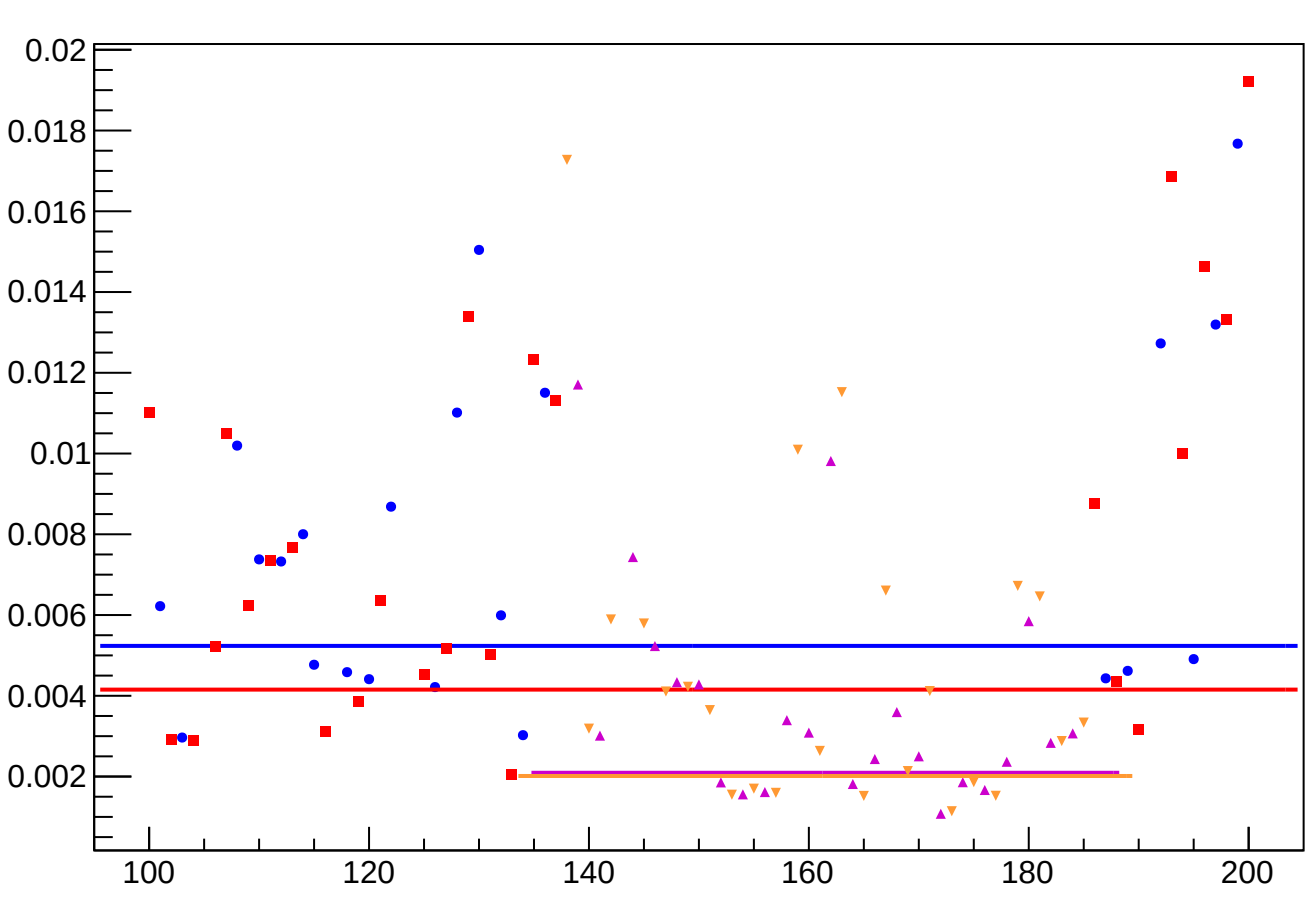
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 59.6/47

In: 0.000+/-0.000 χ^2/NDF:59.2/44

Out: 0.000+/-0.000 χ^2/NDF:55.0/49

All: 0.000+/-0.000 χ^2/NDF: 114.3/94



Right In: 0.005+/-0.000 χ^2/NDF: 4962615.6/21

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

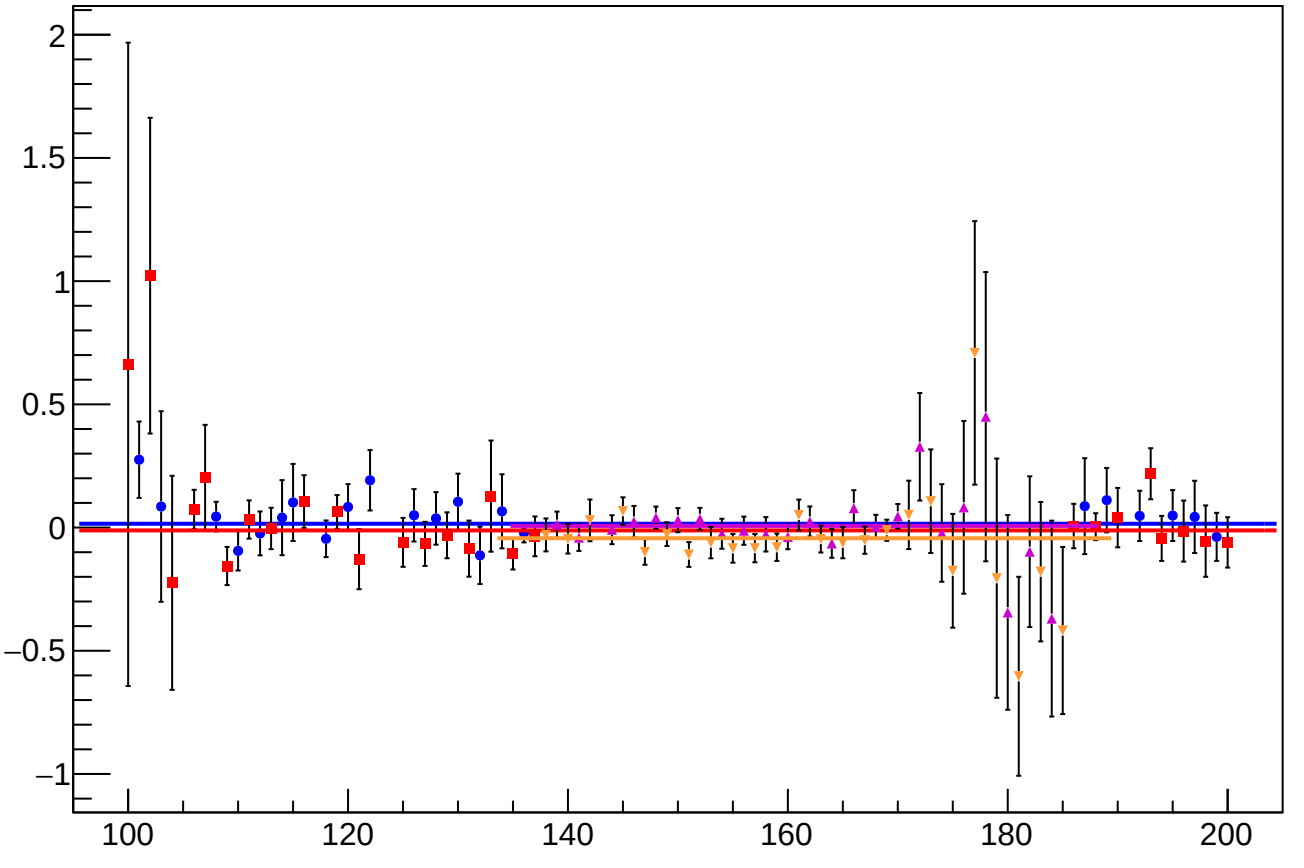
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.005+/-0.000 χ^2/NDF: 13141824.3/47

In: 0.002+/-0.000 χ^2/NDF:17483612.0/44

Out: 0.002+/-0.000 χ^2/NDF:22015560.7/49

All: 0.002+/-0.000 χ^2/NDF: 39528499.1/94



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

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

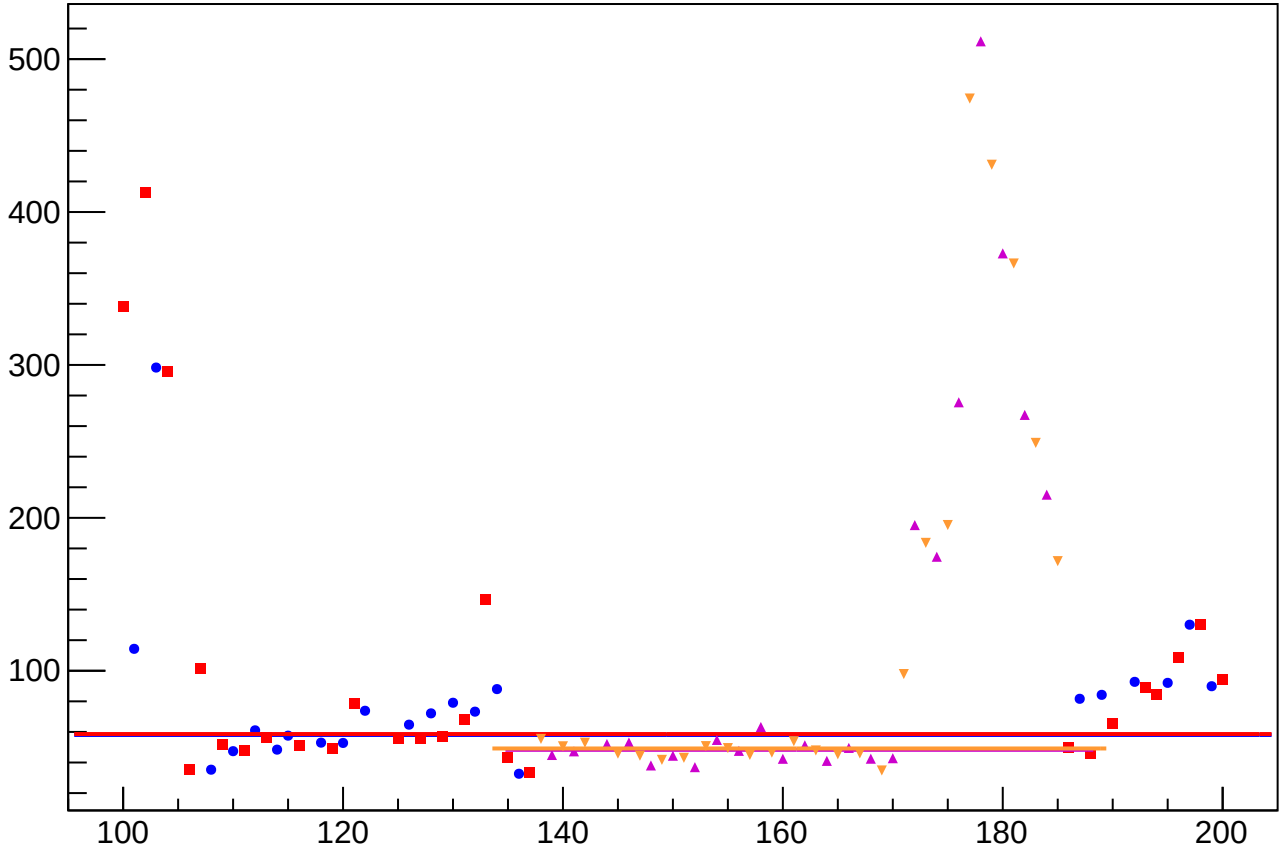
Right: 0.001+/-0.014 χ^2/NDF: 35.8/47

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/94

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

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

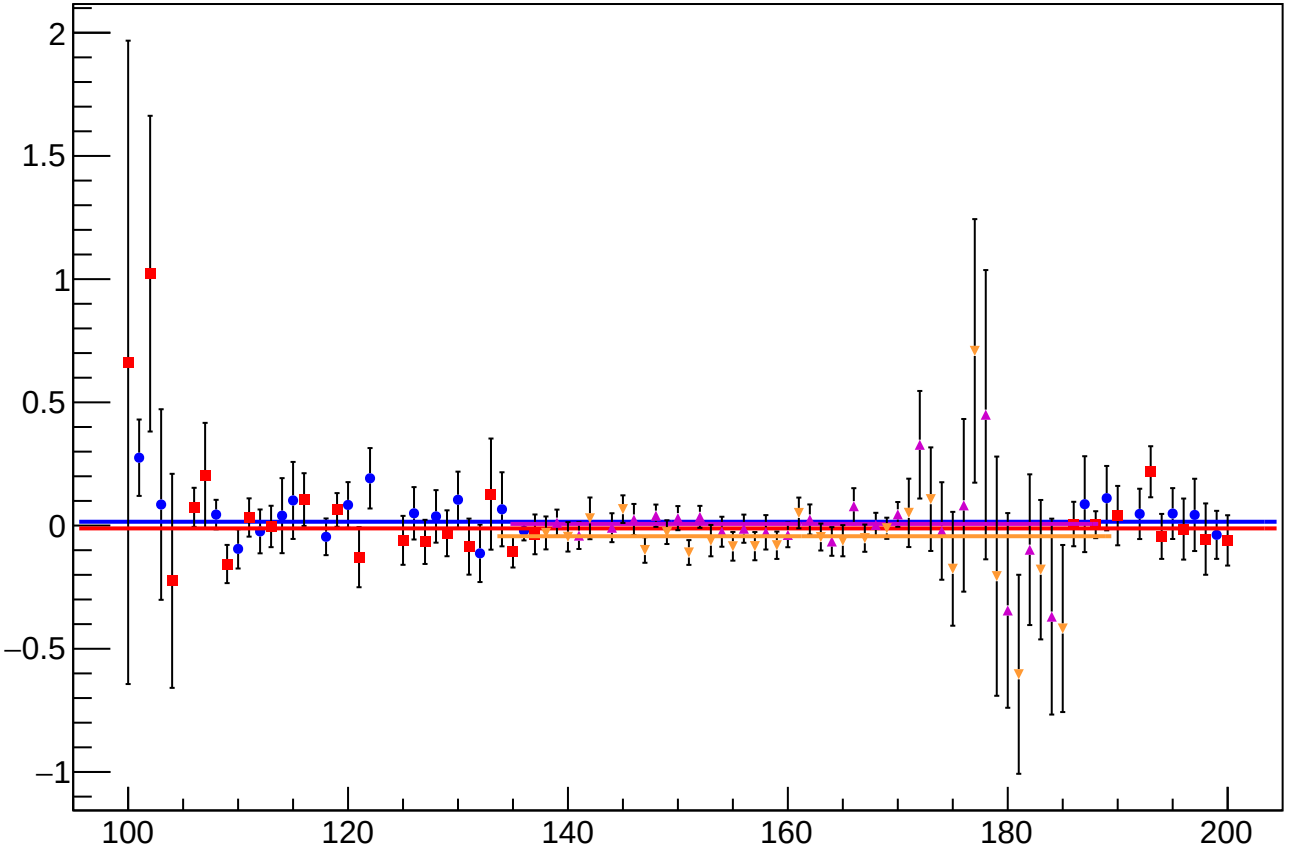
Right: 58.333+/-0.010 χ^2/NDF: 7620527.3/47

In: 51.366+/-0.008 χ^2/NDF:11115992.8/44

Out: 52.511+/-0.008 χ^2/NDF:11444229.2/49

All: 51.939+/-0.006 χ^2/NDF: 22570688.3/94

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

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

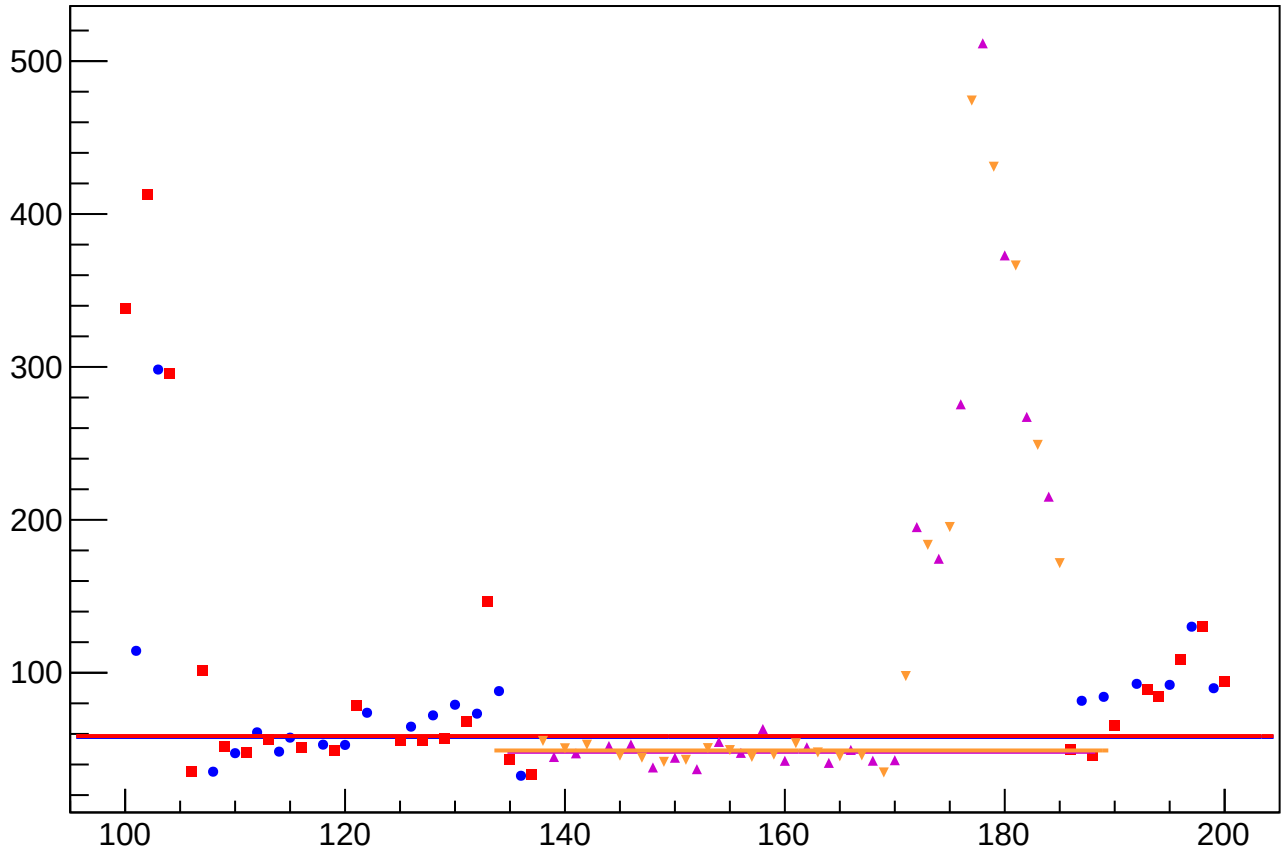
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.001+/-0.014 χ^2/NDF: 35.8/47

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.6/49

All: -0.011+/-0.008 χ^2/NDF: 73.9/94



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

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

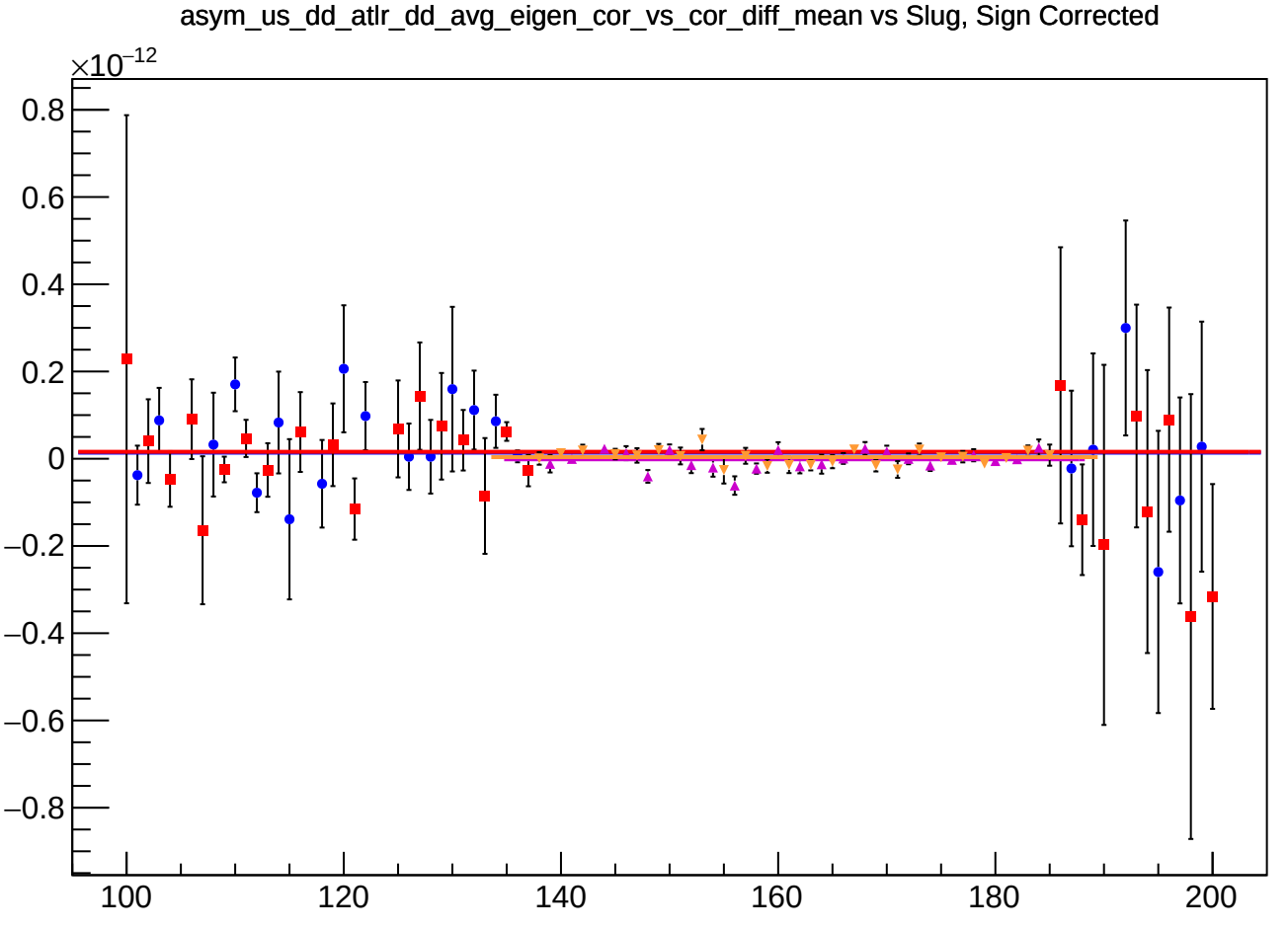
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

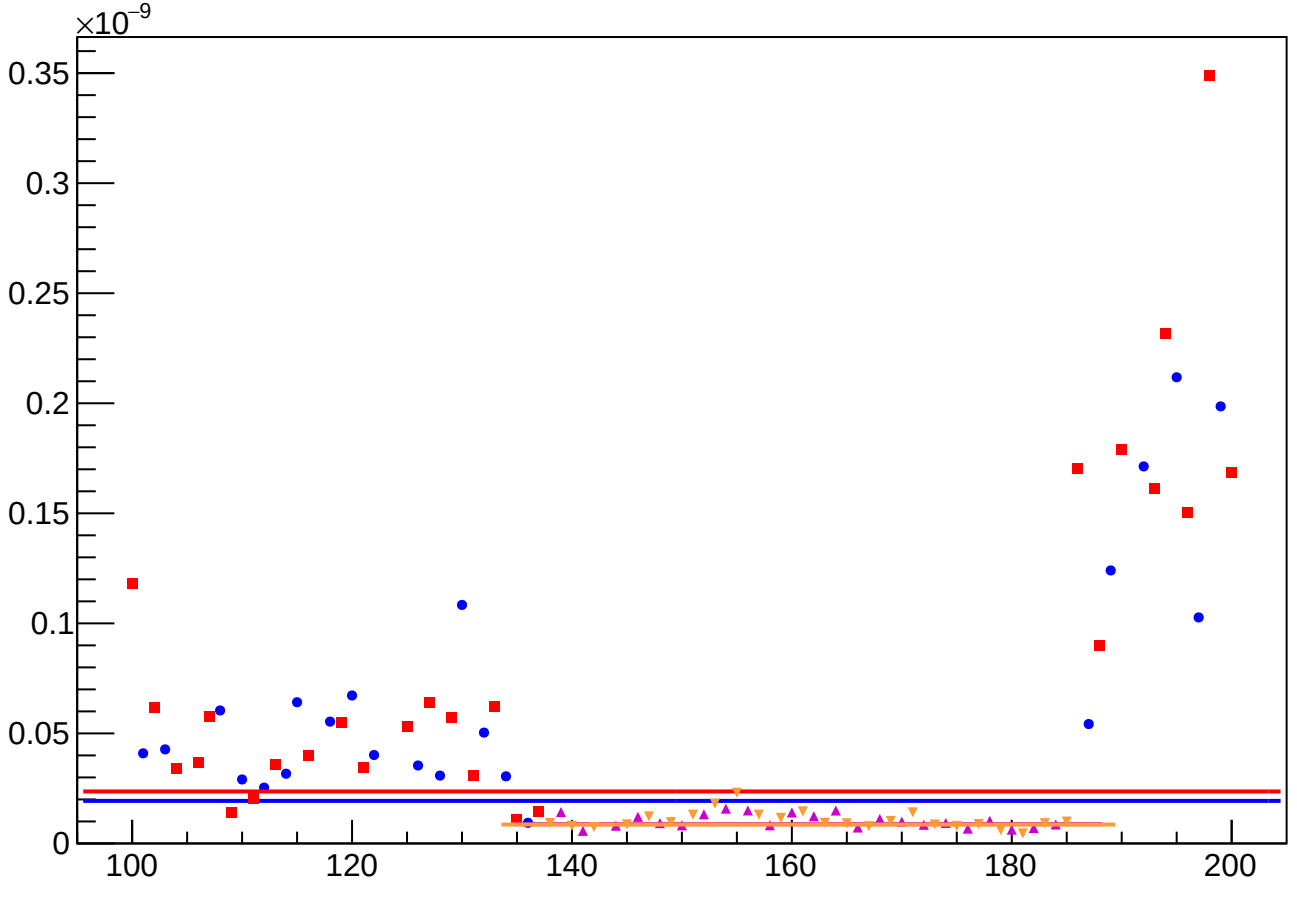
Right: 58.333+/-0.010 χ^2/NDF: 7620527.3/47

In: 51.366+/-0.008 χ^2/NDF:11115992.8/44

Out: 52.511+/-0.008 χ^2/NDF:11444229.2/49

All: 51.939+/-0.006 χ^2/NDF: 22570688.3/94


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.6/21
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.6/25
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 45.3/47
In: -0.000+/-0.000 χ²/NDF:64.4/44
Out: 0.000+/-0.000 χ²/NDF:48.1/49
All: 0.000+/-0.000 χ²/NDF: 114.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 6457999.0/21

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

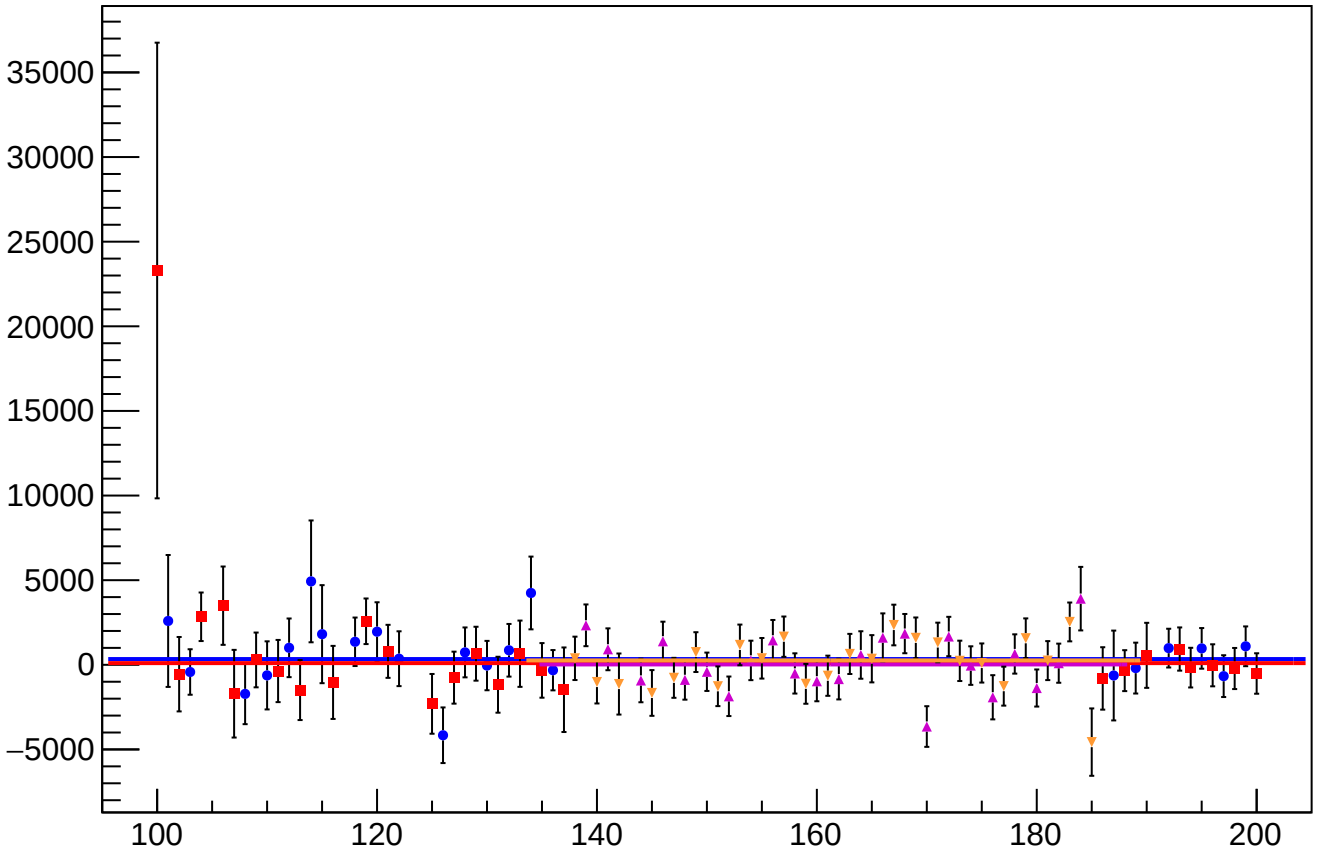
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 13890004.4/47

In: 0.000+/-0.000 χ^2/NDF:10084731.1/44

Out: 0.000+/-0.000 χ^2/NDF:12606859.6/49

All: 0.000+/-0.000 χ^2/NDF: 22692394.8/94



Right In: 340.015+/-333.943 χ^2/NDF: 18.9/21

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

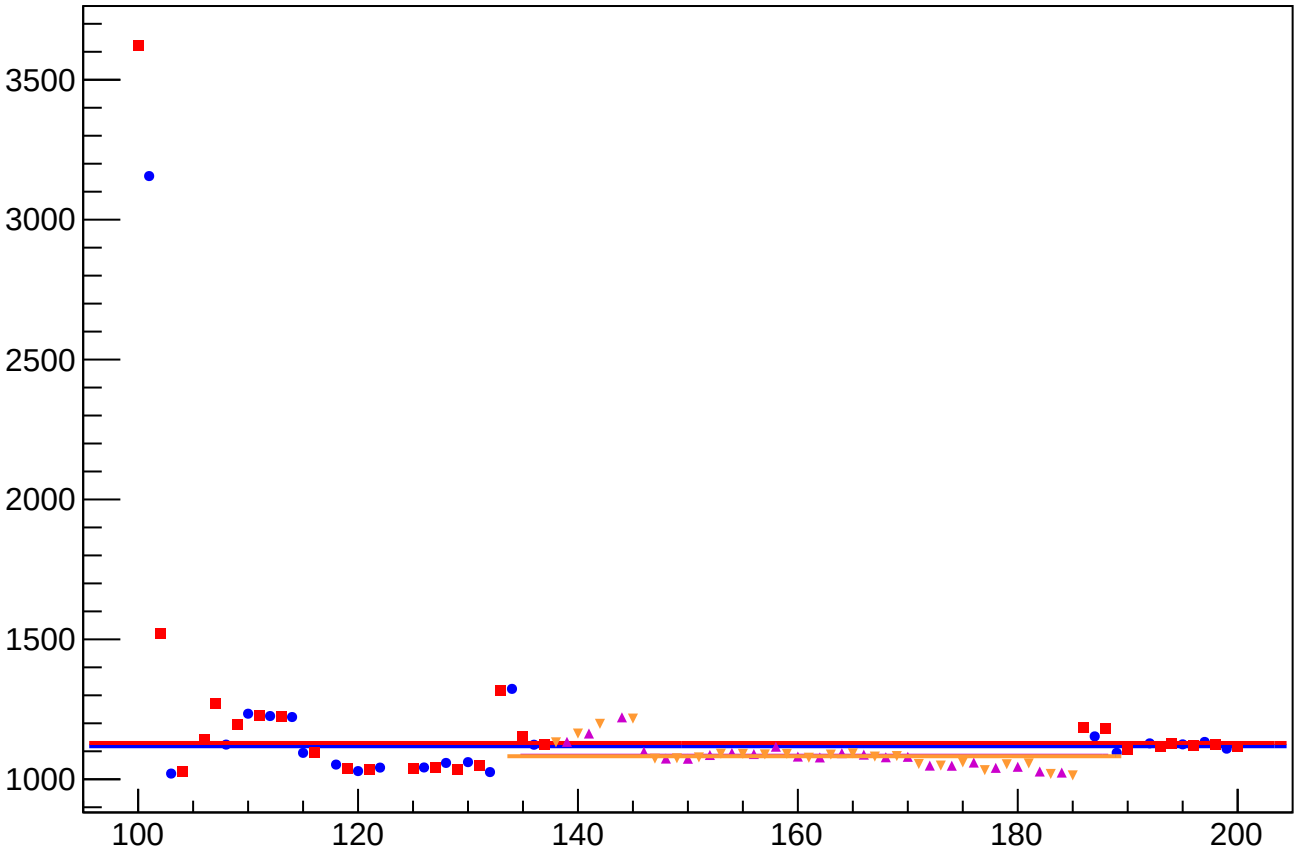
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 212.777+/-228.812 χ^2/NDF: 37.9/47

In: 138.397+/-201.828 χ^2/NDF:55.3/44

Out: 198.002+/-196.285 χ^2/NDF:47.2/49

All: 169.029+/-140.713 χ^2/NDF: 102.5/94



Right In: 1118.056+/-0.236 χ^2/NDF: 624913.8/21

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

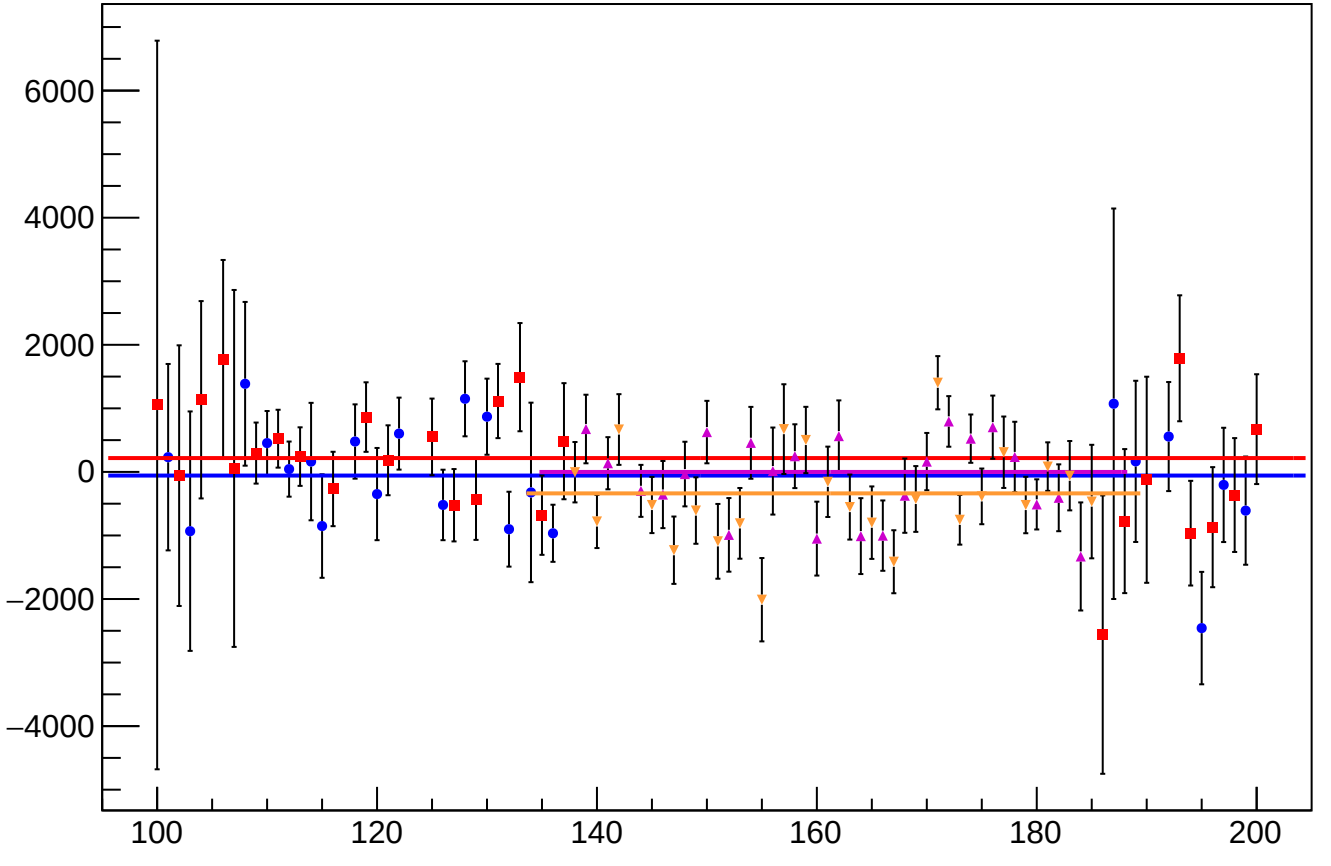
Right: 1124.238+/-0.162 χ^2/NDF: 854947.0/47

In: 1096.545+/-0.143 χ^2/NDF:691426.9/44

Out: 1100.813+/-0.139 χ^2/NDF:314372.9/49

All: 1098.739+/-0.099 χ^2/NDF: 1006259.5/94

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -57.428+/-149.997 χ^2/NDF: 27.9/21

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 217.766+/-143.506 χ^2/NDF: 22.7/25

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

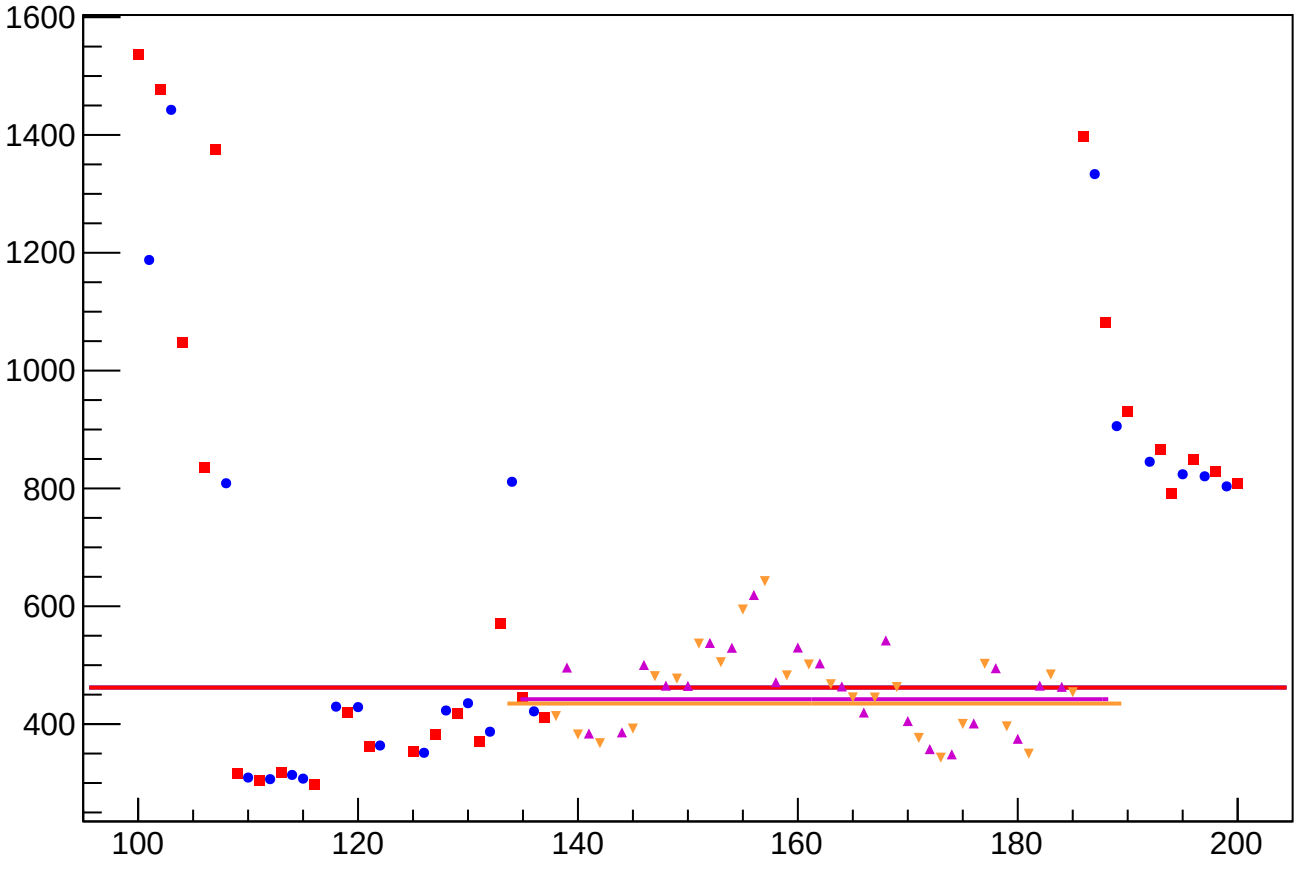
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 86.252+/-103.693 χ^2/NDF: 52.4/47

In: -19.189+/-85.872 χ^2/NDF:59.9/44

Out: -149.825+/-83.463 χ^2/NDF:81.4/49

All: -86.365+/-59.851 χ^2/NDF: 142.5/94



Right In: 462.097+/-0.106 χ^2/NDF: 3854304.6/21

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

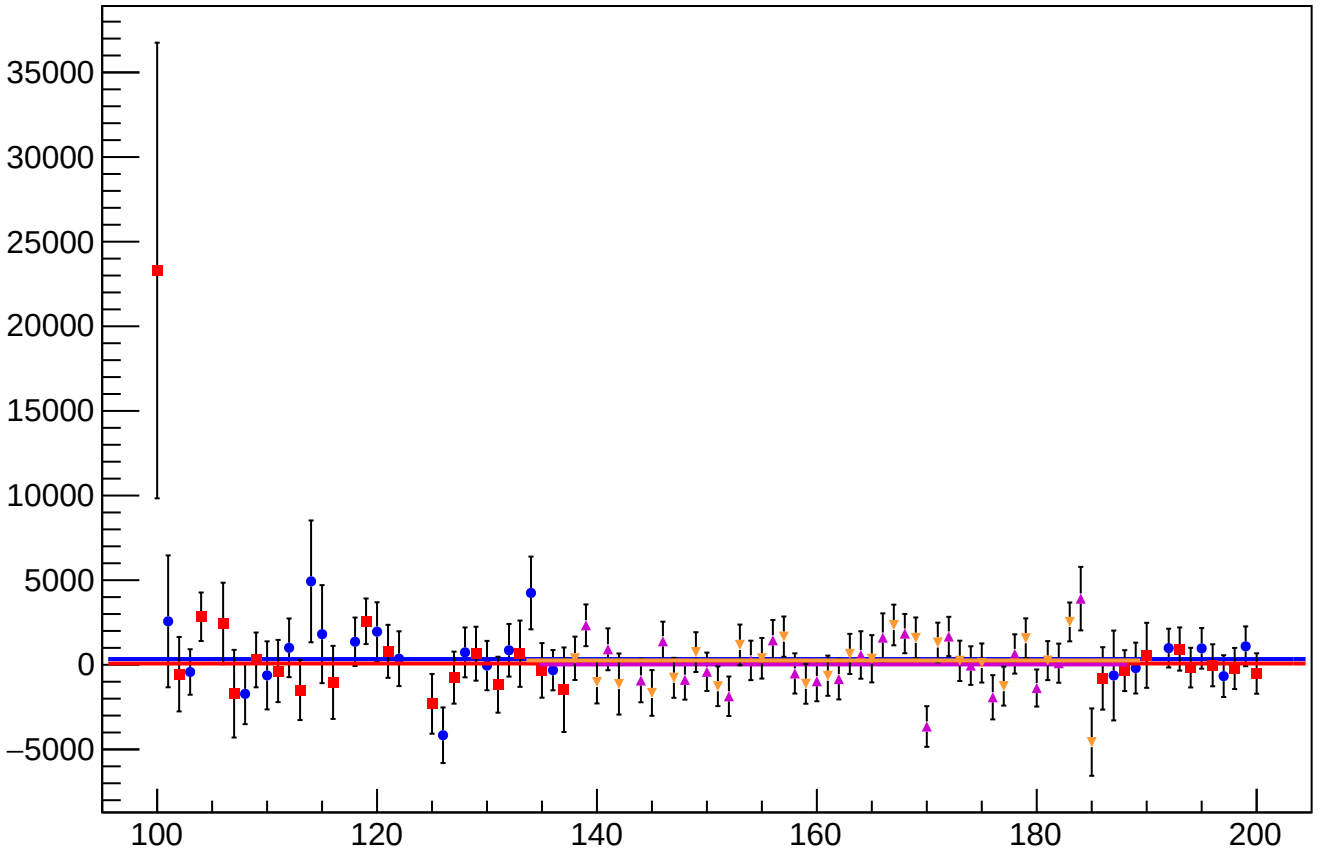
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 462.024+/-0.073 χ^2/NDF: 8859812.1/47

In: 448.727+/-0.061 χ^2/NDF:4703913.4/44

Out: 444.025+/-0.059 χ^2/NDF:5931119.6/49

All: 446.309+/-0.042 χ^2/NDF: 10638115.8/94



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

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

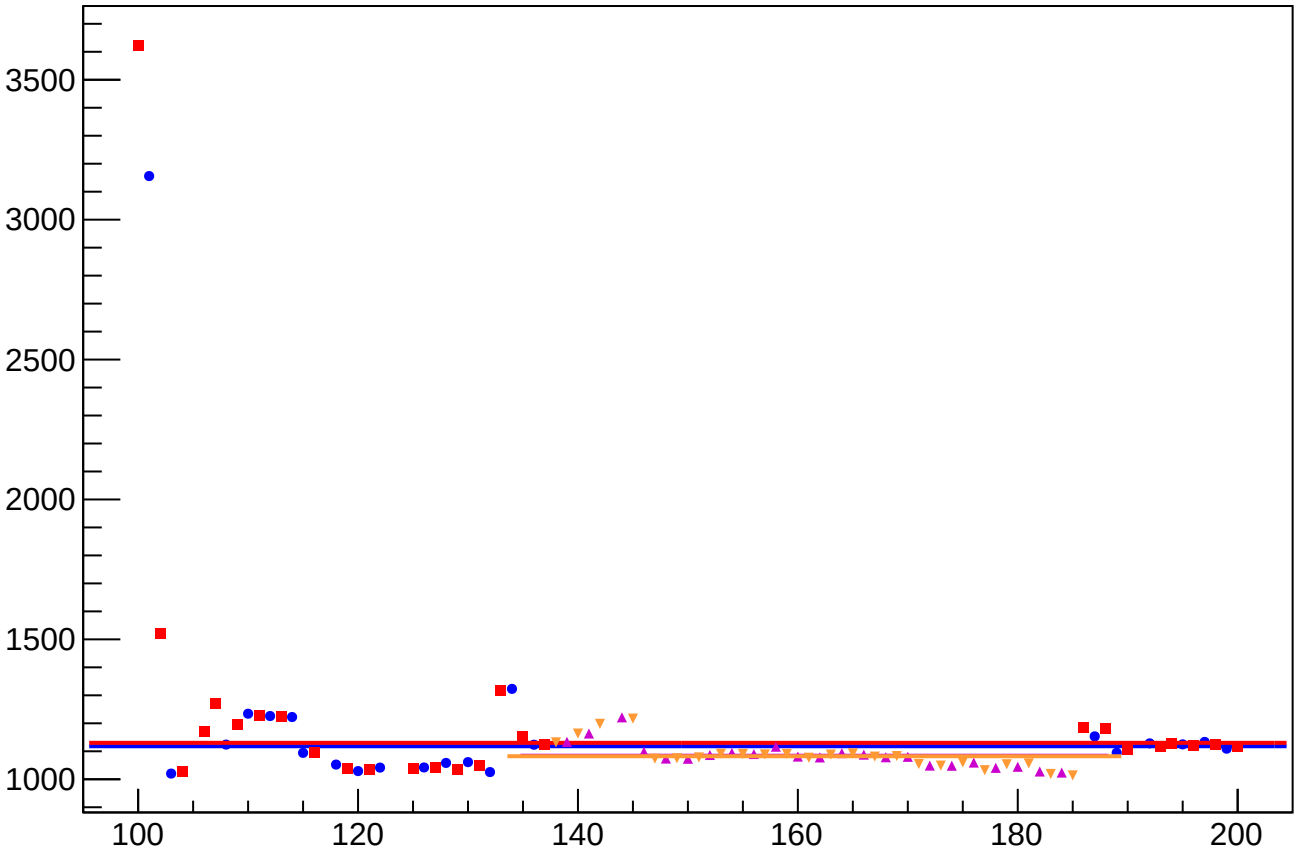
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 200.709+/-228.899 χ^2/NDF: 36.8/47

In: 138.330+/-201.828 χ^2/NDF:55.3/44

Out: 189.167+/-196.339 χ^2/NDF:46.0/49

All: 164.449+/-140.733 χ^2/NDF: 101.3/94



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

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

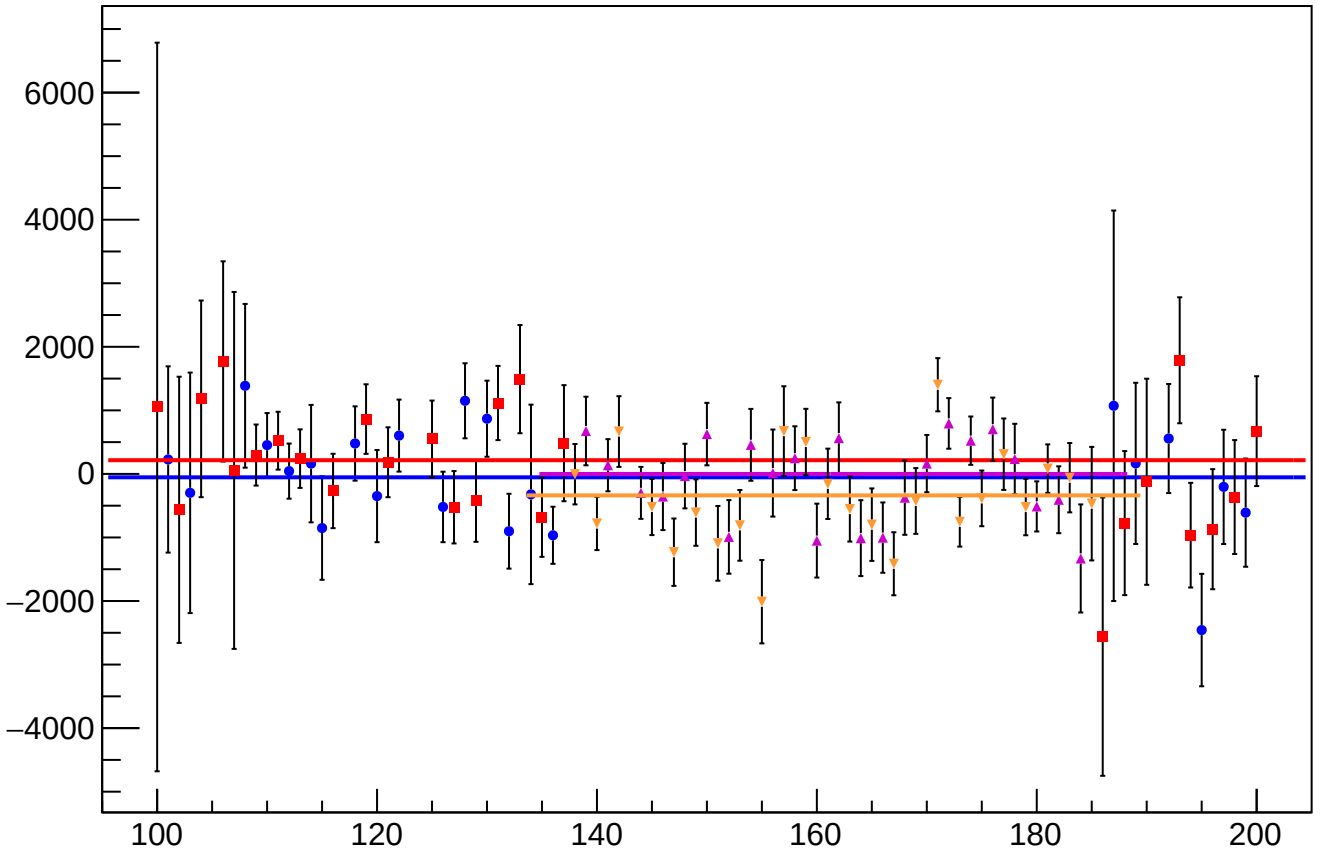
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

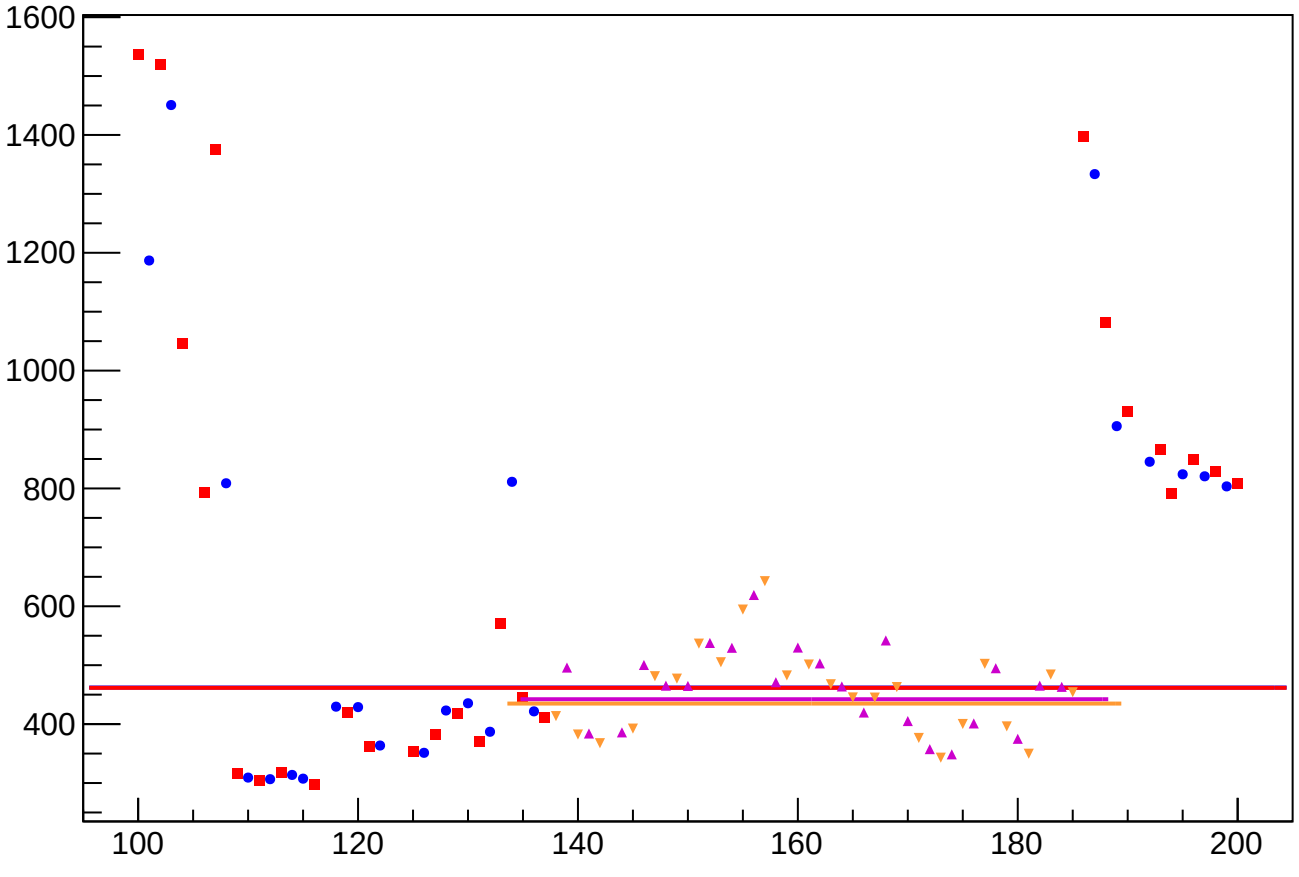
Right: 1124.509+/-0.162 χ^2/NDF: 855626.2/47

In: 1096.545+/-0.143 χ^2/NDF:691427.8/44

Out: 1101.000+/-0.139 χ^2/NDF:315520.7/49

All: 1098.834+/-0.100 χ^2/NDF: 1007449.1/94


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: -53.548+/-149.998 χ²/NDF: 27.7/21
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: 87.051+/-103.700 χ²/NDF: 52.2/47
In: -17.931+/-85.872 χ²/NDF:59.6/44
Out: -150.590+/-83.467 χ²/NDF:81.5/49
All: -86.144+/-59.852 χ²/NDF: 142.4/94



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

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

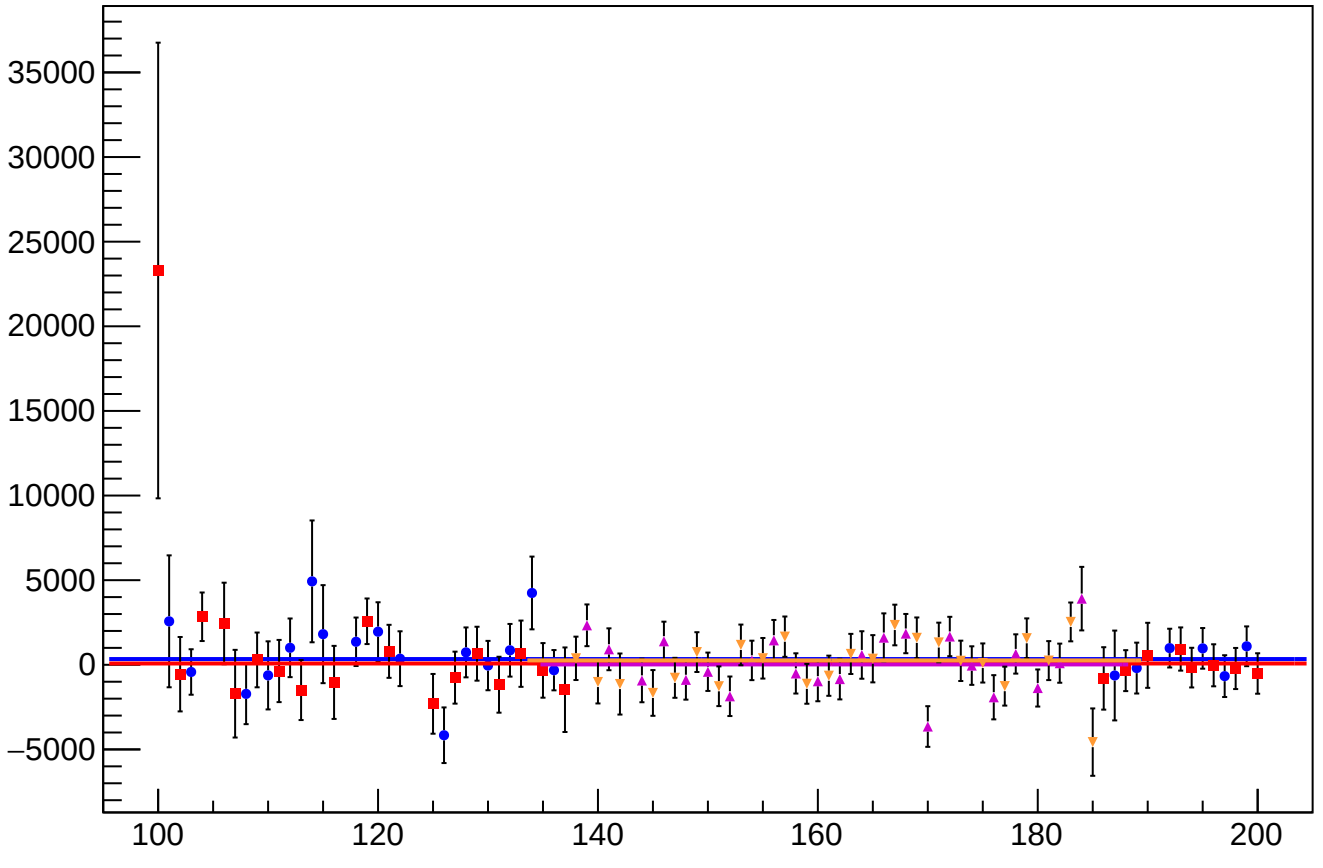
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 461.825+/-0.073 χ^2/NDF: 8857308.2/47

In: 448.724+/-0.061 χ^2/NDF:4707546.6/44

Out: 443.896+/-0.059 χ^2/NDF:5923620.3/49

All: 446.242+/-0.042 χ^2/NDF: 10634418.4/94



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

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

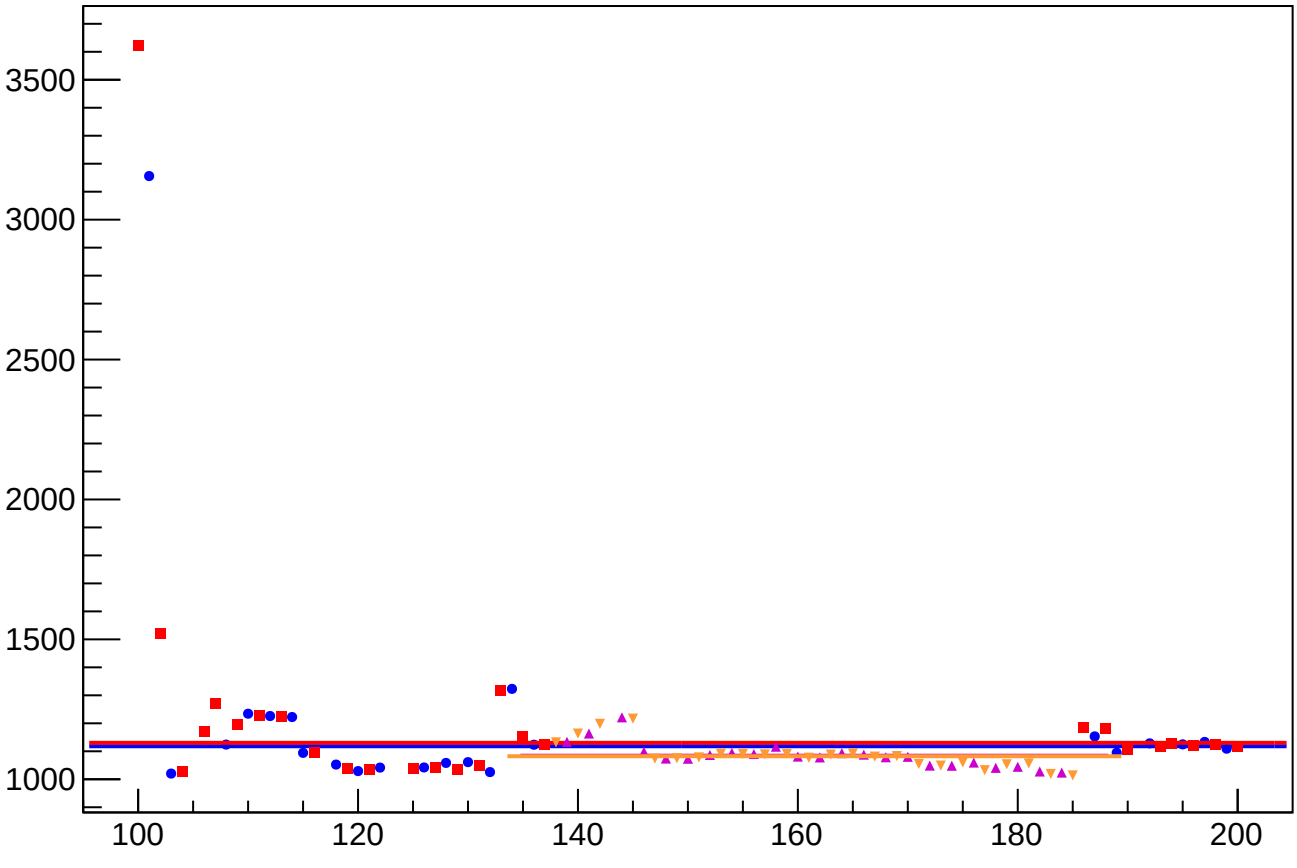
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 200.709+/-228.899 χ^2/NDF: 36.8/47

In: 138.330+/-201.828 χ^2/NDF:55.3/44

Out: 189.167+/-196.339 χ^2/NDF:46.0/49

All: 164.449+/-140.733 χ^2/NDF: 101.3/94



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

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

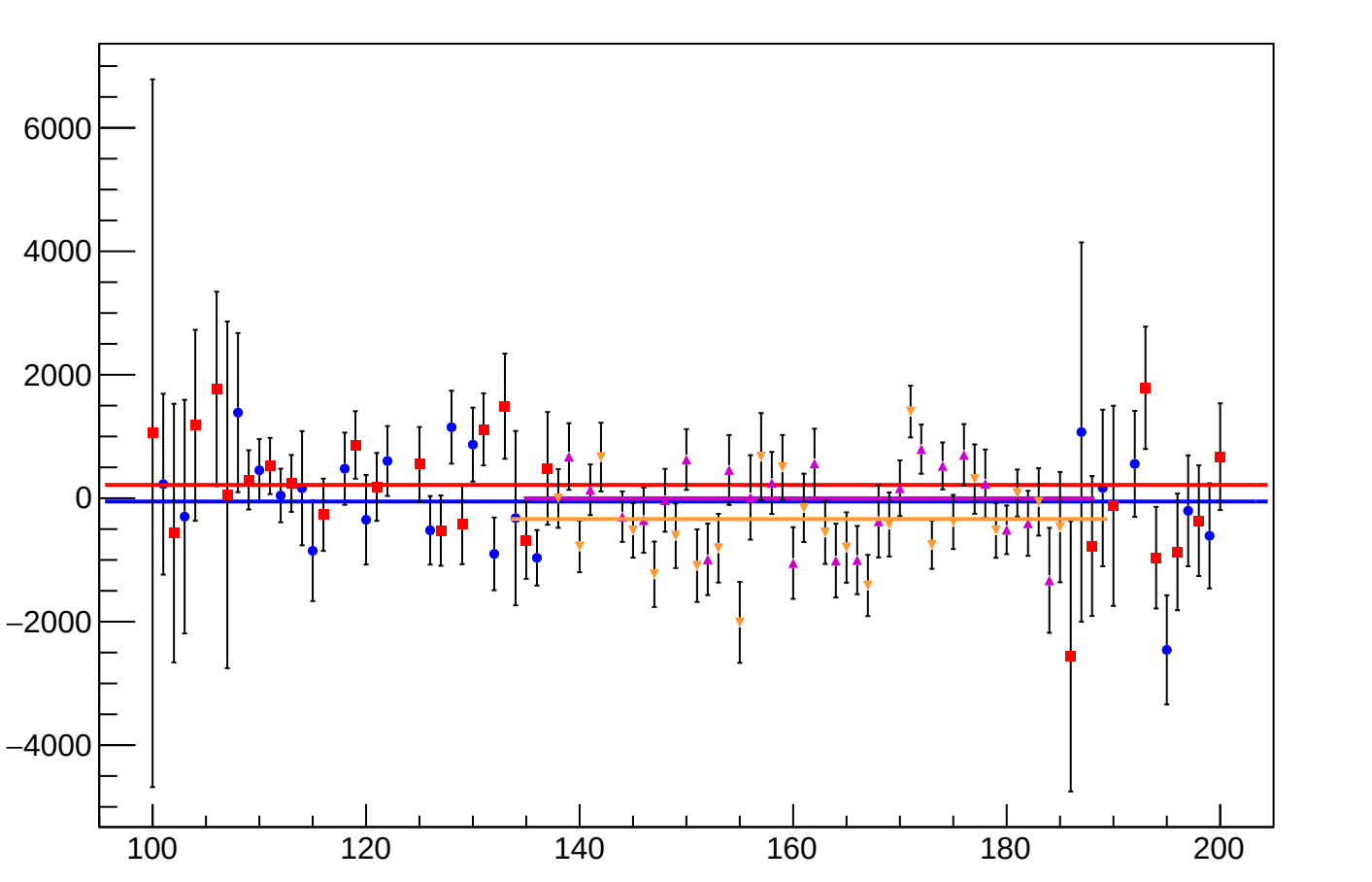
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1124.509+/-0.162 χ^2/NDF: 855626.2/47

In: 1096.545+/-0.143 χ^2/NDF:691427.8/44

Out: 1101.000+/-0.139 χ^2/NDF:315520.7/49

All: 1098.834+/-0.100 χ^2/NDF: 1007449.1/94


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
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−2000
−4000
100
120
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160
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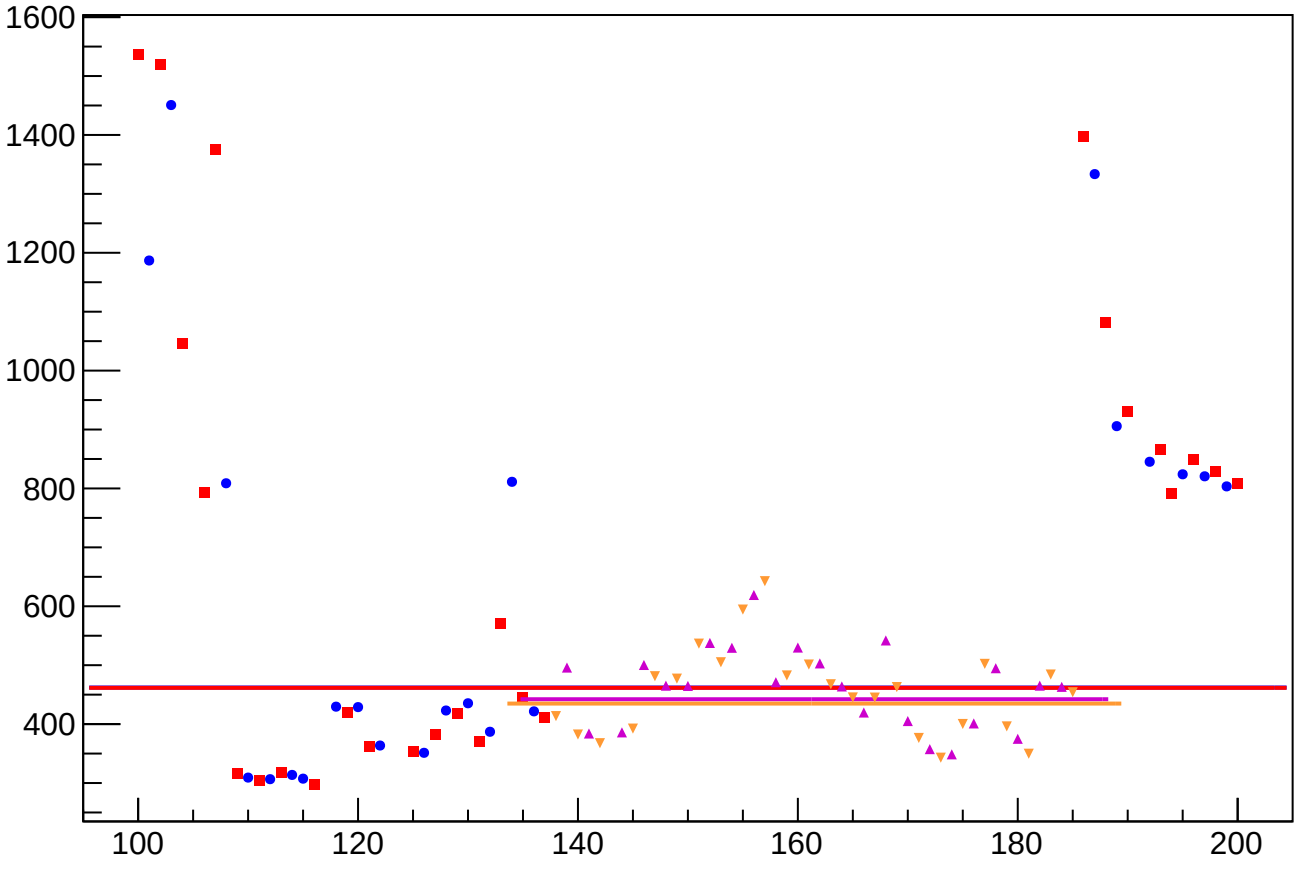
200
Right In: -53.548+/-149.998 χ²/NDF: 27.7/21
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 215.774+/-143.524 χ²/NDF: 22.9/25
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 87.051+/-103.700 χ²/NDF: 52.2/47
In: -17.931+/-85.872 χ²/NDF:59.6/44
Out: -150.590+/-83.467 χ²/NDF:81.5/49
All: -86.144+/-59.852 χ²/NDF: 142.4/94



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

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

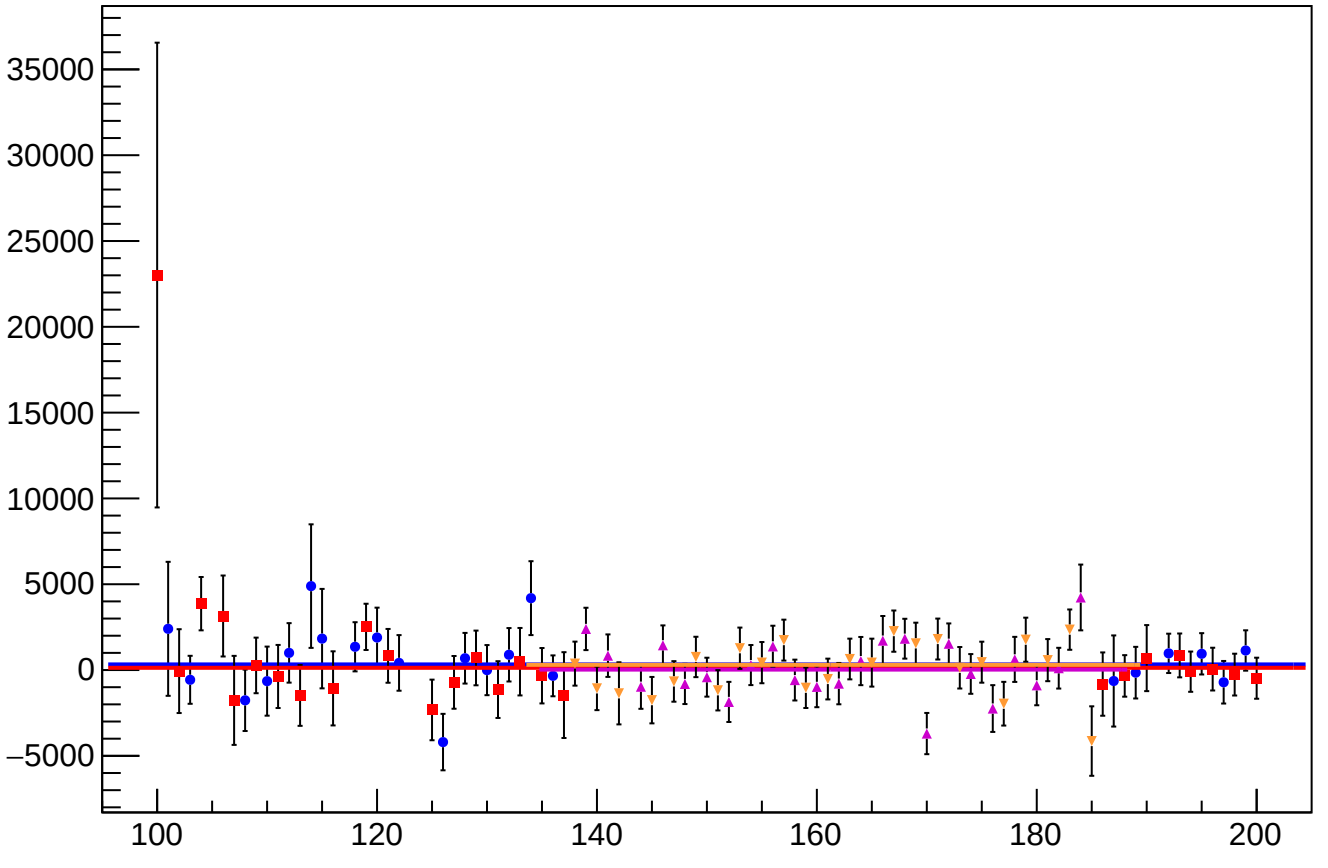
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 461.825+/-0.073 χ^2/NDF: 8857308.2/47

In: 448.724+/-0.061 χ^2/NDF:4707546.6/44

Out: 443.896+/-0.059 χ^2/NDF:5923620.3/49

All: 446.242+/-0.042 χ^2/NDF: 10634418.4/94



Right In: 327.825+/-335.149 χ^2/NDF: 19.0/21

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

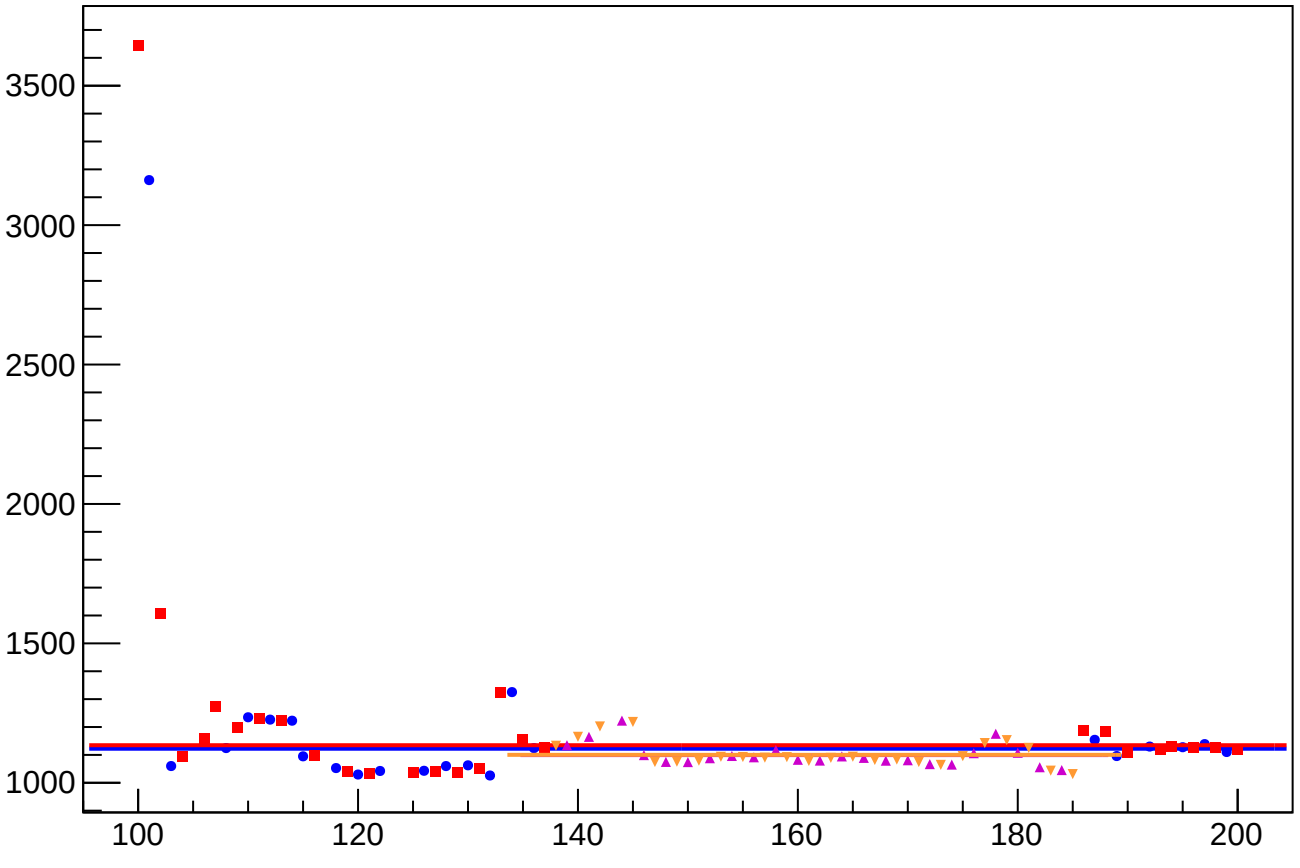
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 223.195+/-230.043 χ^2/NDF: 39.2/47

In: 137.258+/-203.875 χ^2/NDF:55.4/44

Out: 234.917+/-198.789 χ^2/NDF:48.7/49

All: 187.321+/-142.329 χ^2/NDF: 104.2/94



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.1/21

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

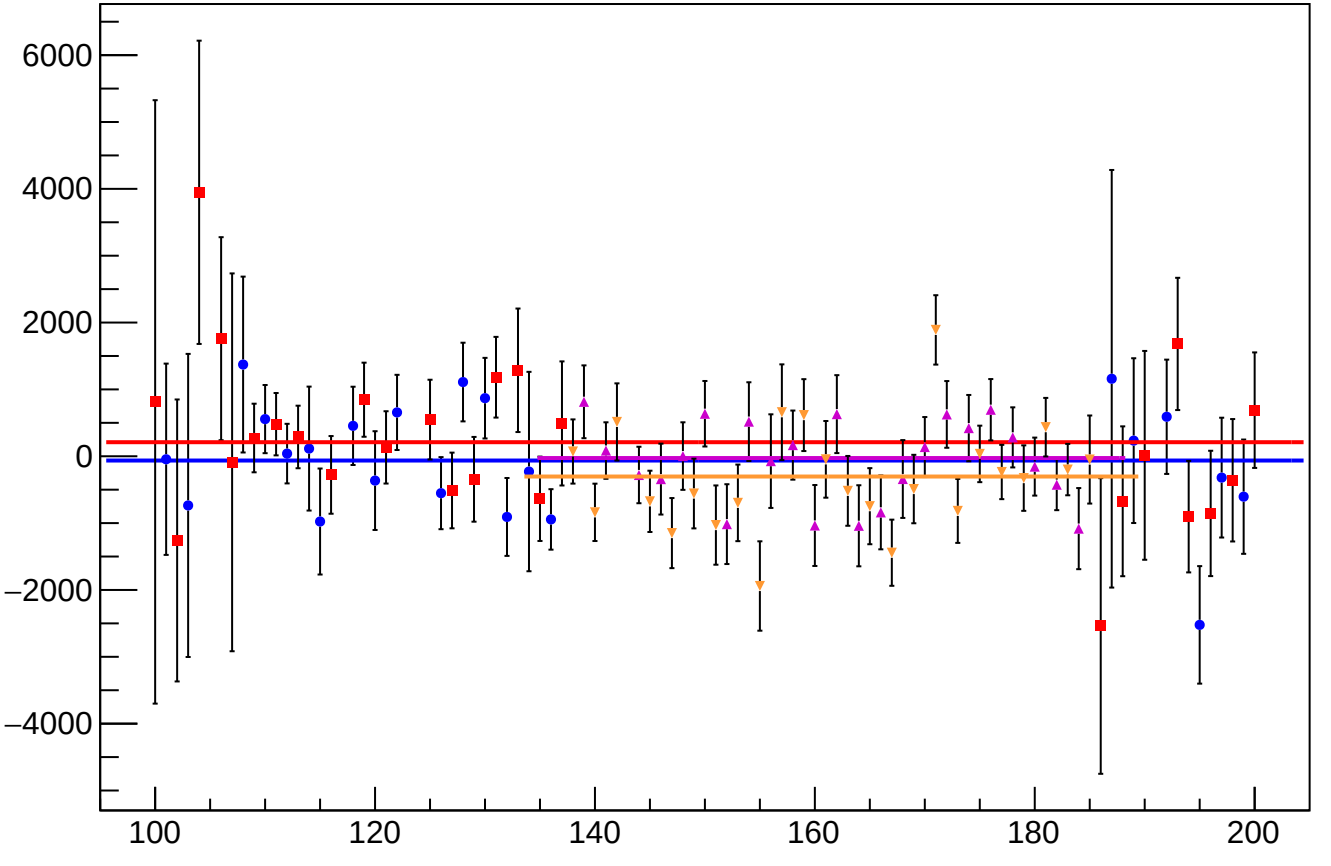
Right: 1128.812+/-0.163 χ^2/NDF: 853706.4/47

In: 1107.788+/-0.144 χ^2/NDF:669252.9/44

Out: 1113.872+/-0.141 χ^2/NDF:296743.0/49

All: 1110.907+/-0.101 χ^2/NDF: 966908.7/94

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -63.927+/-150.390 χ^2/NDF: 29.0/21

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 210.240+/-145.582 χ^2/NDF: 23.4/25

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

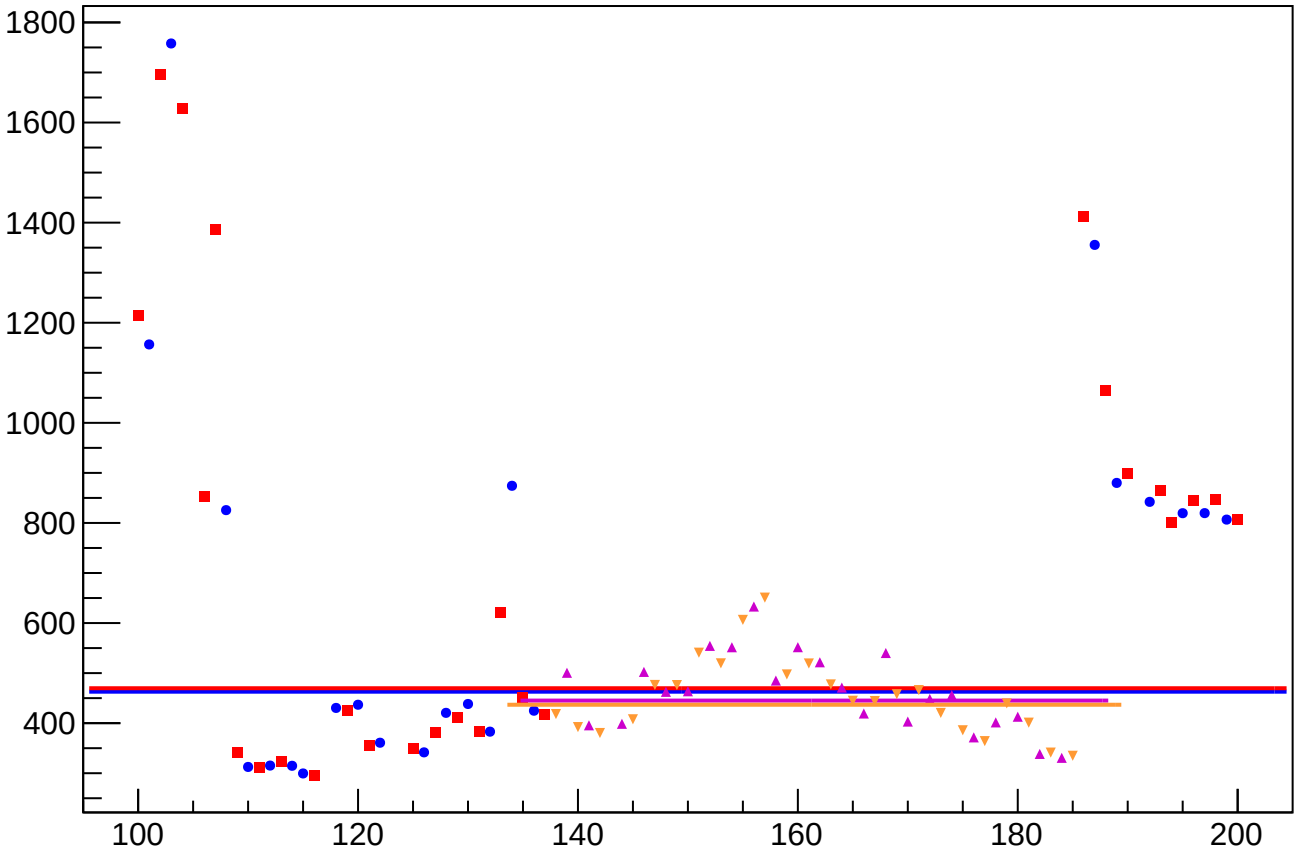
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 77.610+/-104.600 χ^2/NDF: 54.1/47

In: -38.992+/-86.324 χ^2/NDF:56.9/44

Out: -131.981+/-84.072 χ^2/NDF:81.2/49

All: -86.715+/-60.228 χ^2/NDF: 138.7/94



Right In: 462.893+/-0.106 χ^2/NDF: 3953389.3/21

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

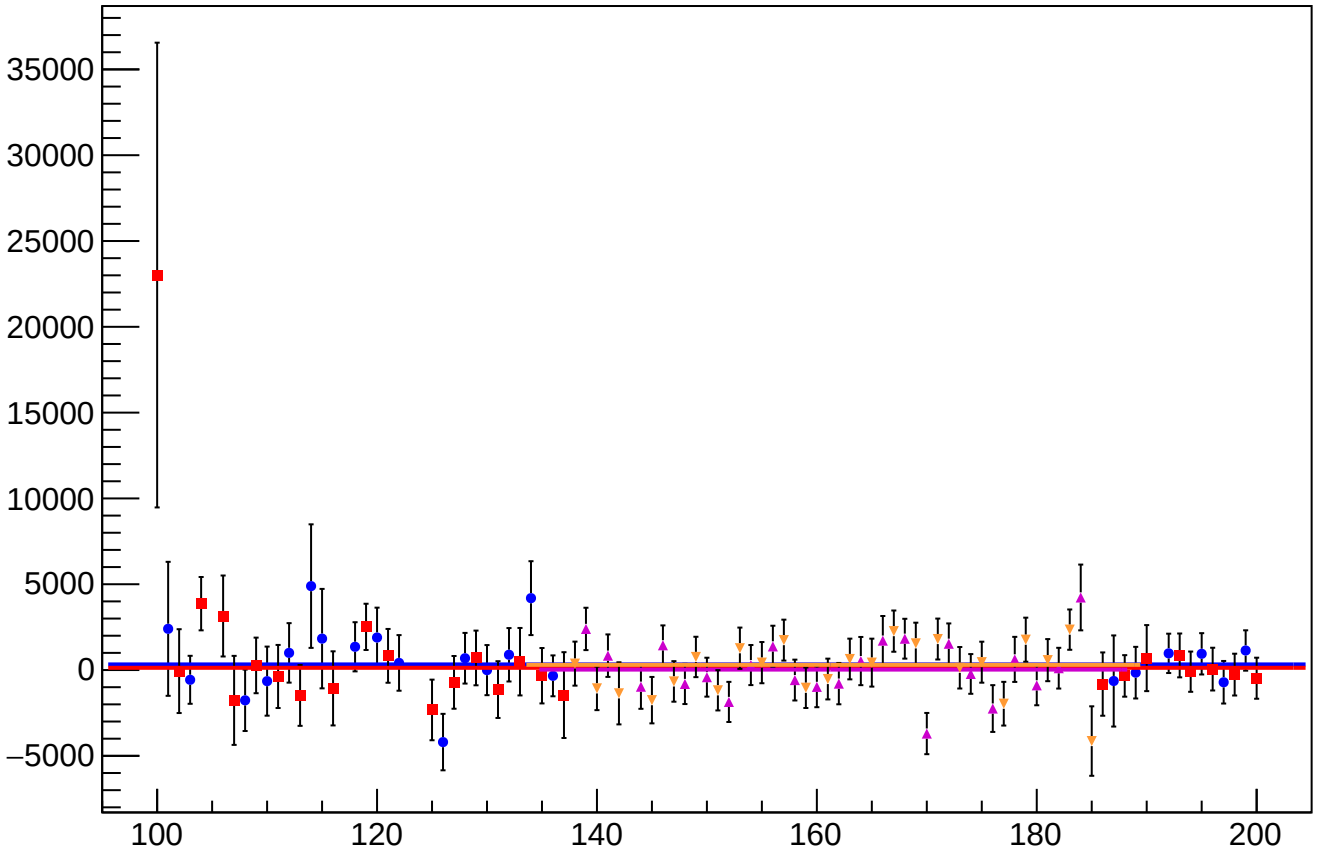
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 466.444+/-0.074 χ^2/NDF: 9303163.3/47

In: 450.968+/-0.061 χ^2/NDF:4846677.7/44

Out: 447.787+/-0.059 χ^2/NDF:6271250.2/49

All: 449.336+/-0.043 χ^2/NDF: 11119321.8/94



Right In: 327.828+/-335.149 χ^2/NDF: 19.0/21

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

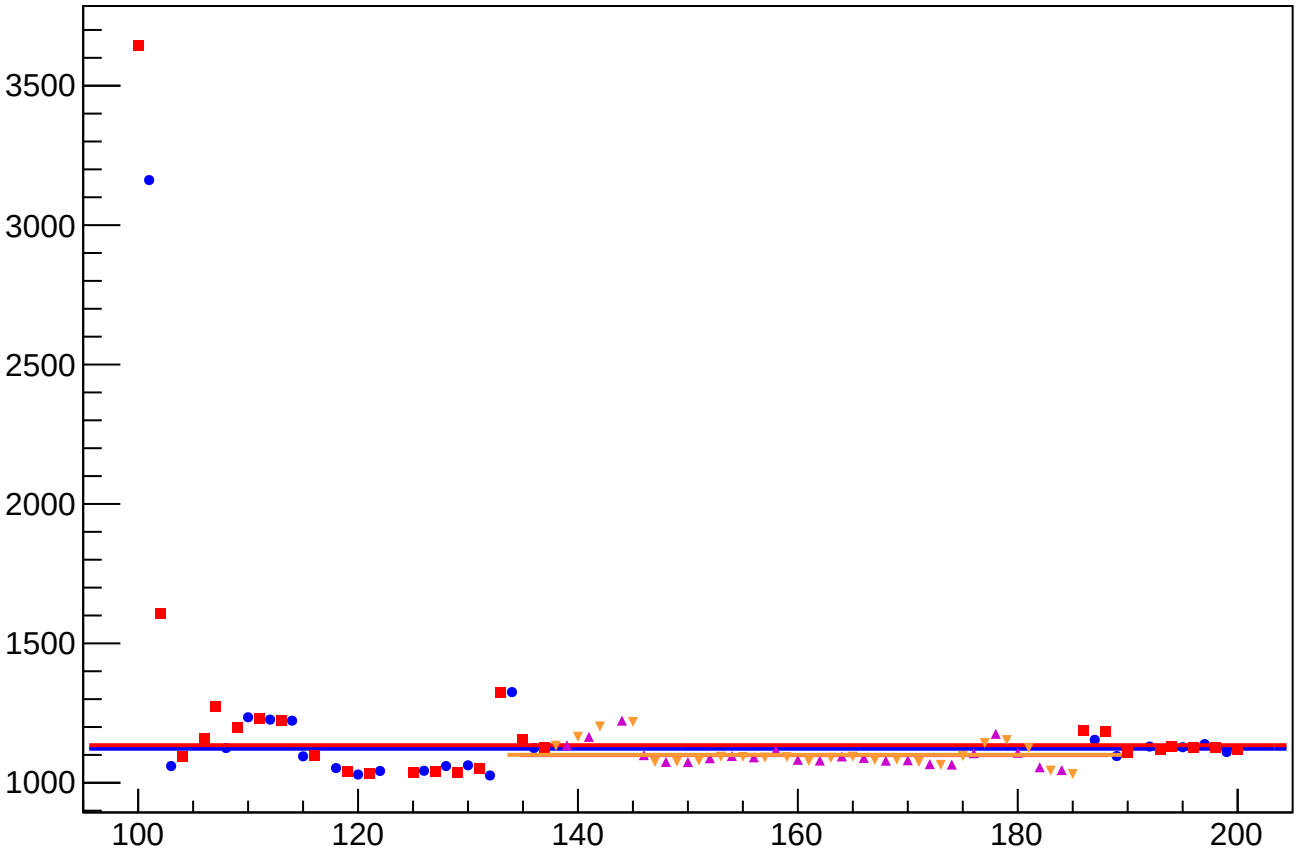
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 223.196+/-230.043 χ^2/NDF: 39.2/47

In: 137.260+/-203.875 χ^2/NDF:55.4/44

Out: 234.916+/-198.789 χ^2/NDF:48.7/49

All: 187.321+/-142.329 χ^2/NDF: 104.2/94



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.0/21

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

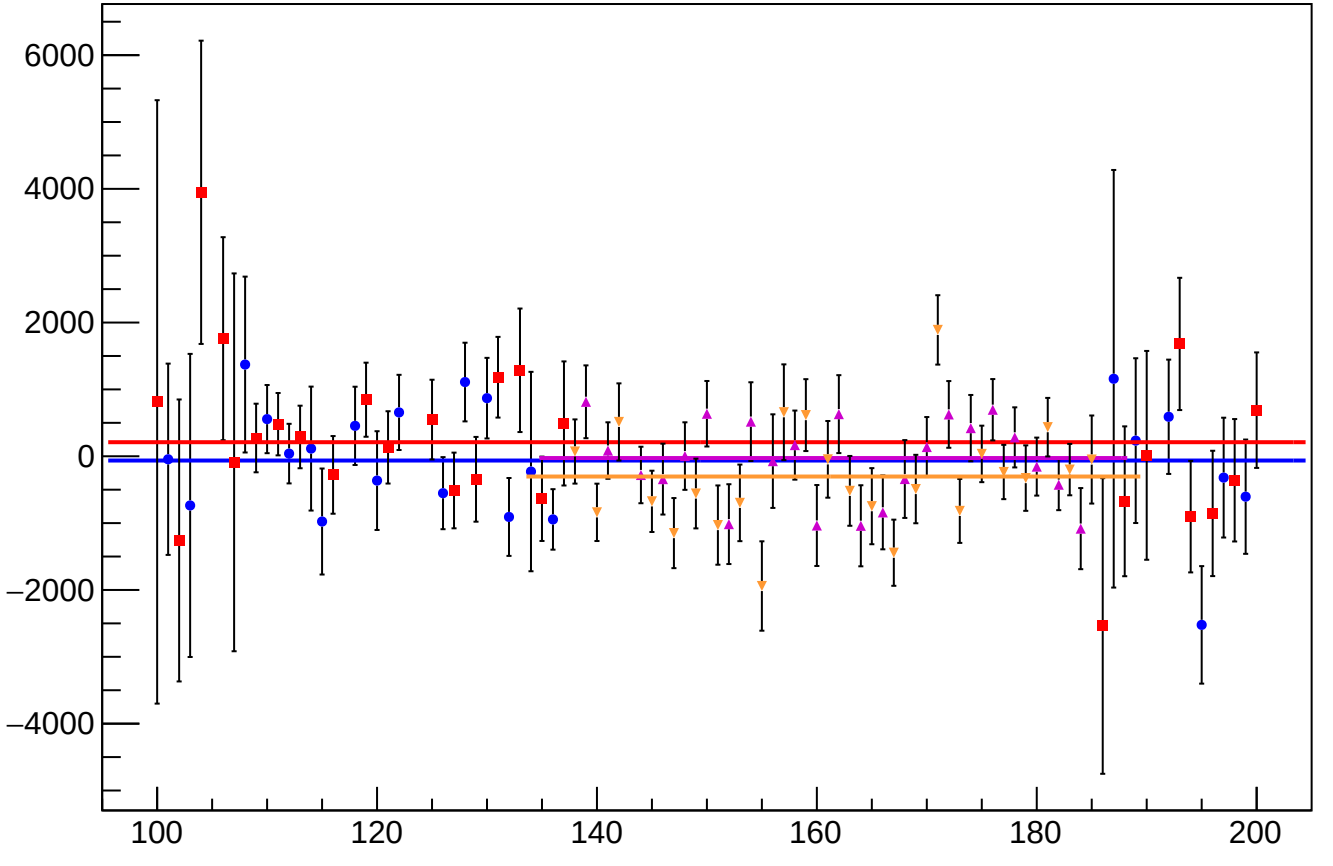
Right: 1128.812+/-0.163 χ^2/NDF: 853706.4/47

In: 1107.788+/-0.144 χ^2/NDF:669253.0/44

Out: 1113.872+/-0.141 χ^2/NDF:296743.2/49

All: 1110.907+/-0.101 χ^2/NDF: 966909.0/94

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -63.929+/-150.389 χ^2/NDF: 29.0/21

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

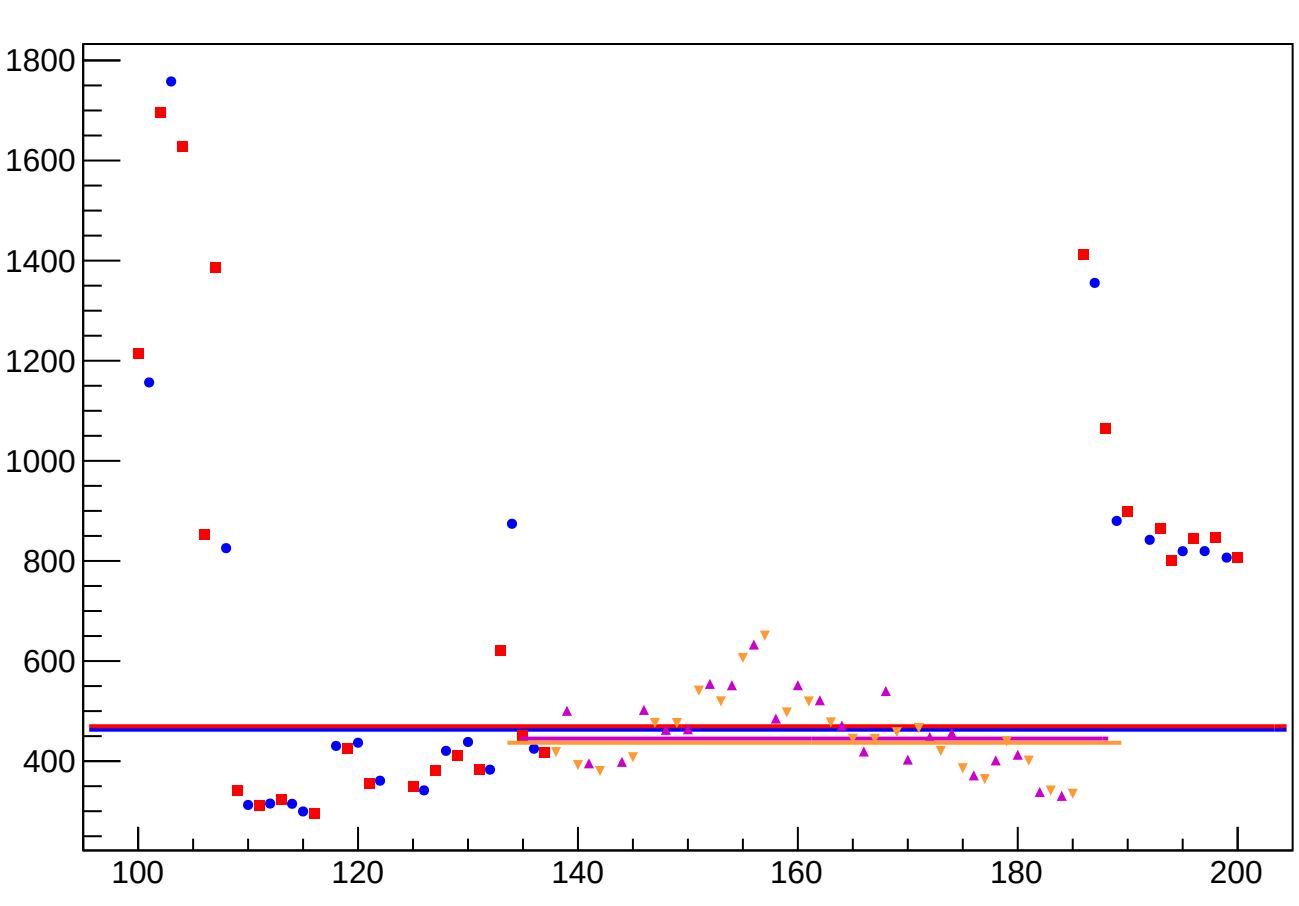
Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

Right: 77.608+/-104.600 χ^2/NDF: 54.1/47

In: -38.992+/-86.324 χ^2/NDF:56.9/44

Out: -131.981+/-84.072 χ^2/NDF:81.2/49

All: -86.715+/-60.228 χ^2/NDF: 138.7/94



Right In: 462.890+/-0.106 χ^2/NDF: 3953417.5/21

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

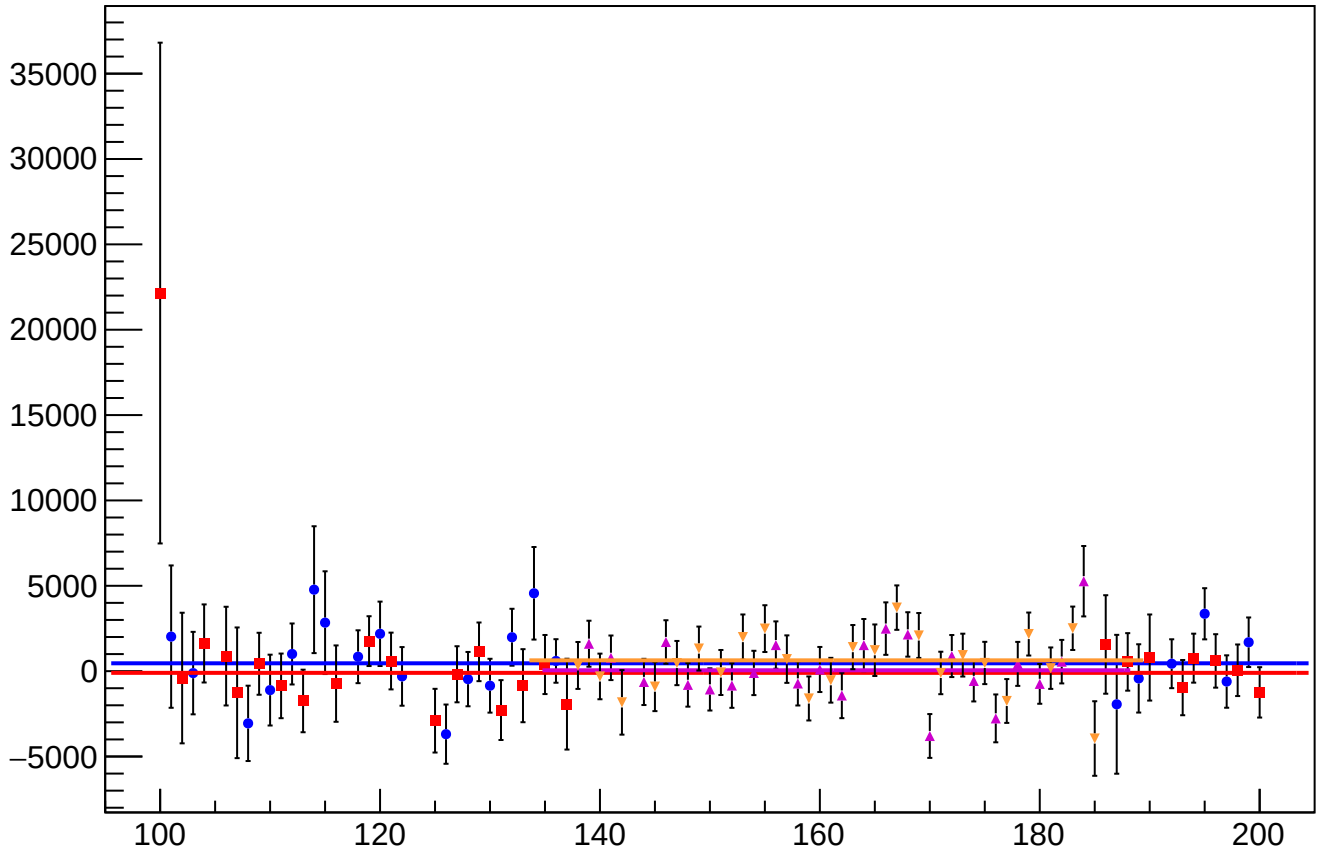
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 466.441+/-0.074 χ^2/NDF: 9303243.2/47

In: 450.967+/-0.061 χ^2/NDF:4846733.9/44

Out: 447.786+/-0.059 χ^2/NDF:6271319.3/49

All: 449.334+/-0.043 χ^2/NDF: 11119447.0/94



Right In: 460.107+/-389.752 χ^2/NDF: 21.9/21

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

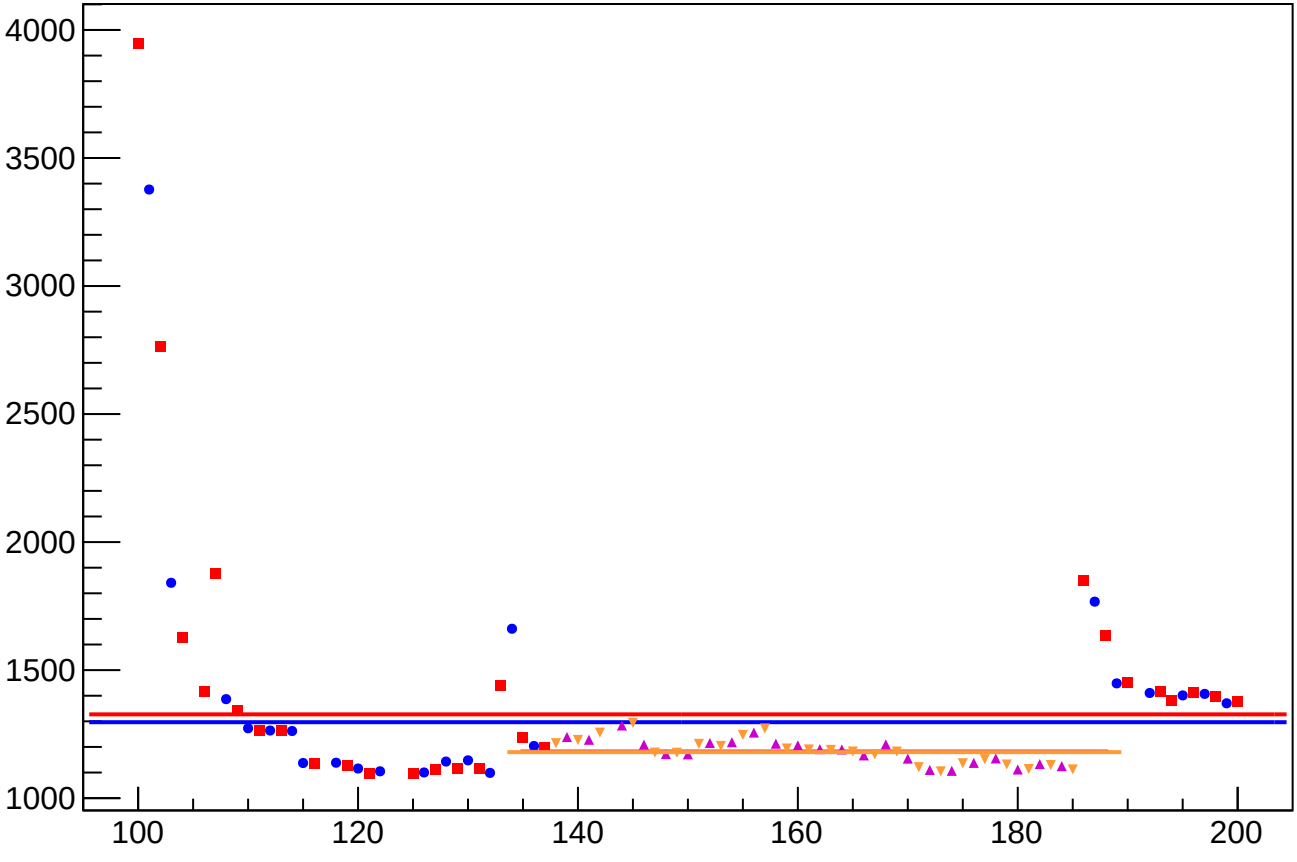
Right: 167.933+/-269.517 χ^2/NDF: 36.0/47

In: 187.666+/-225.358 χ^2/NDF:57.6/44

Out: 376.096+/-220.876 χ^2/NDF:45.7/49

All: 283.774+/-157.744 χ^2/NDF: 103.7/94

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1296.597+/-0.276 χ^2/NDF: 887323.1/21

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

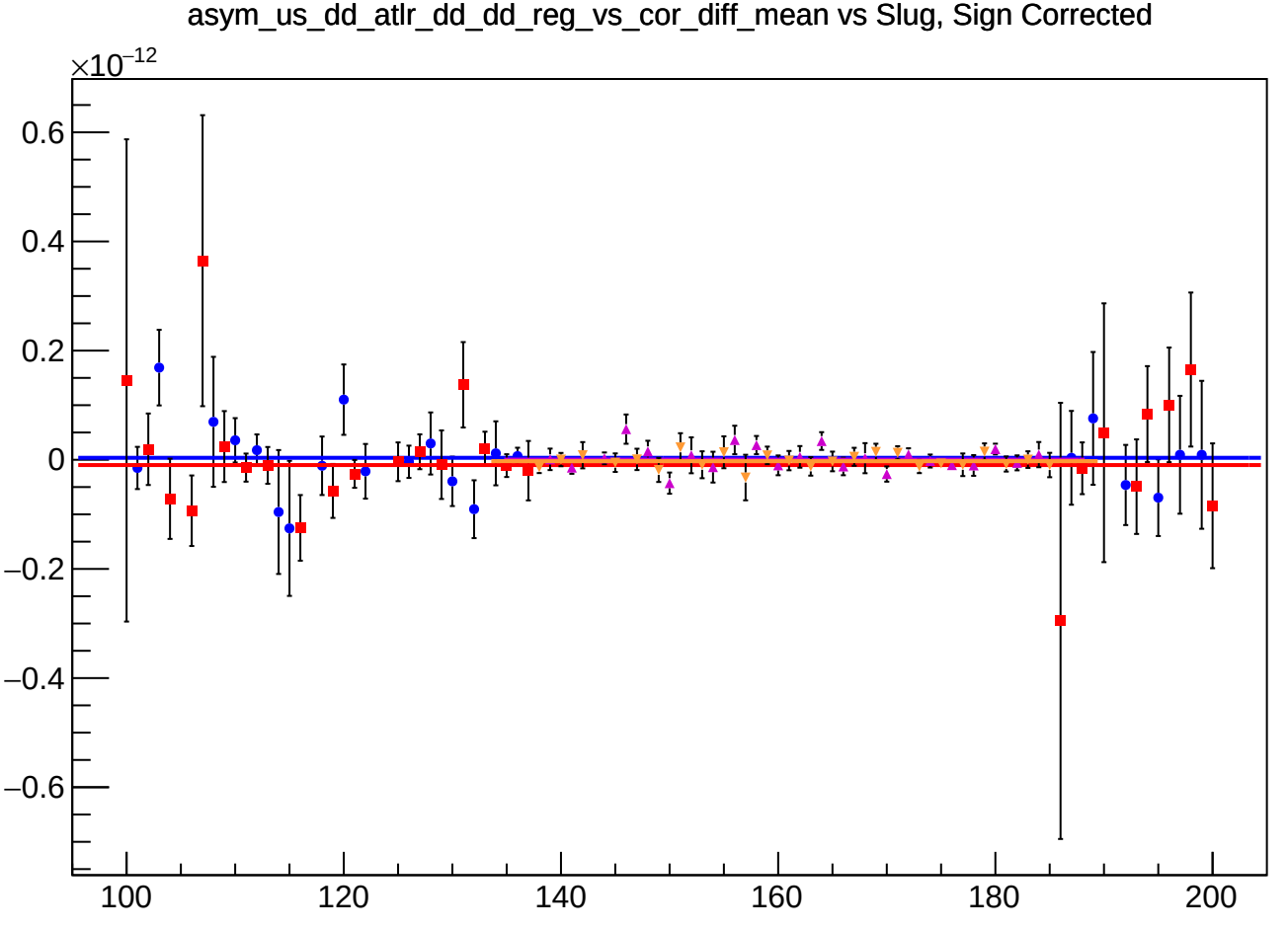
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1312.583+/-0.191 χ^2/NDF: 1712267.1/47

In: 1220.265+/-0.159 χ^2/NDF:1062917.3/44

Out: 1231.413+/-0.156 χ^2/NDF:1086248.2/49

All: 1225.951+/-0.112 χ^2/NDF: 2151661.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/21

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

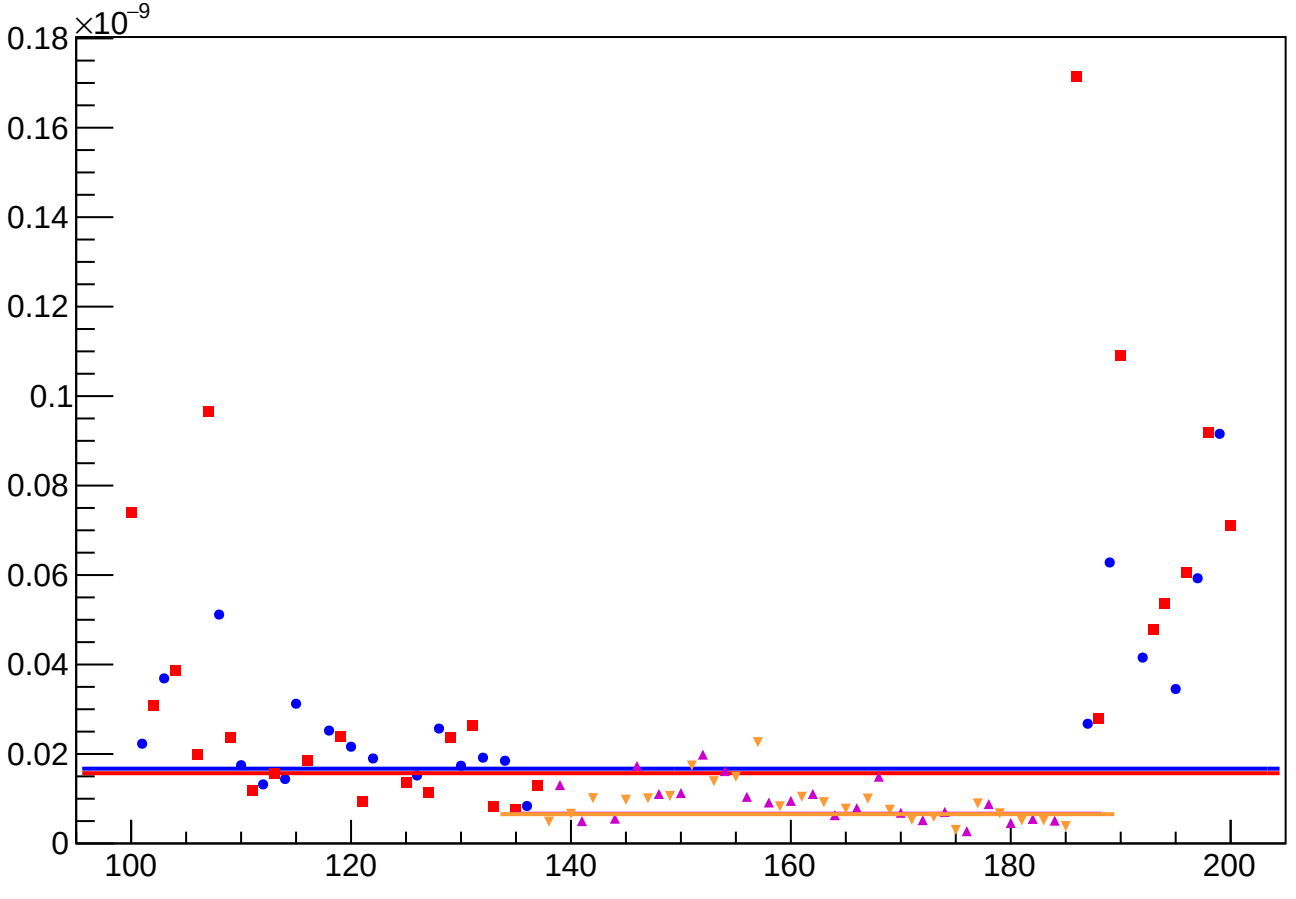
Right: -0.000+/-0.000 χ^2/NDF: 39.4/47

In: 0.000+/-0.000 χ^2/NDF:50.9/44

Out: -0.000+/-0.000 χ^2/NDF:31.1/49

All: -0.000+/-0.000 χ^2/NDF: 82.9/94

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2751195.5/21

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

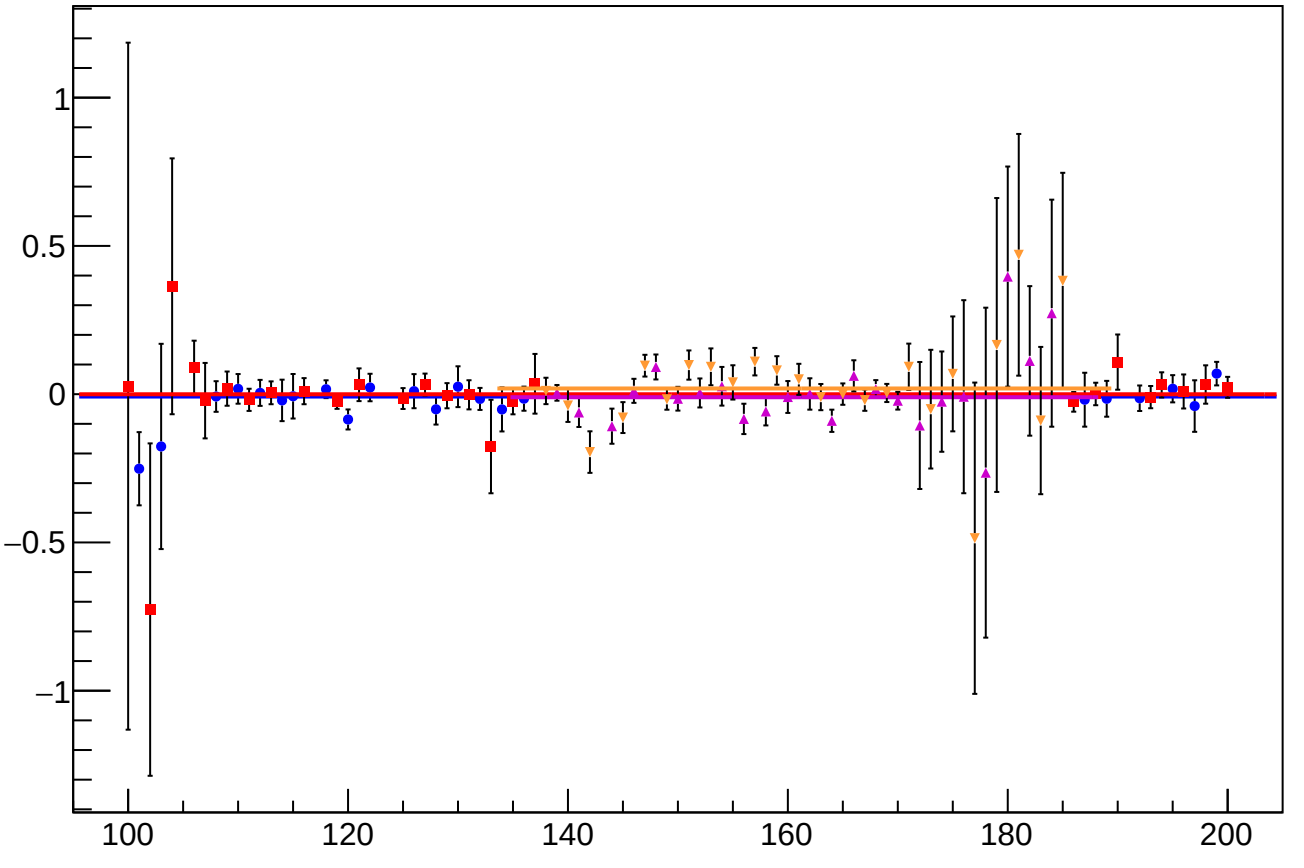
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 6911416.3/47

In: 0.000+/-0.000 χ^2/NDF:7392496.7/44

Out: 0.000+/-0.000 χ^2/NDF:8340084.0/49

All: 0.000+/-0.000 χ^2/NDF: 15735574.1/94



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

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

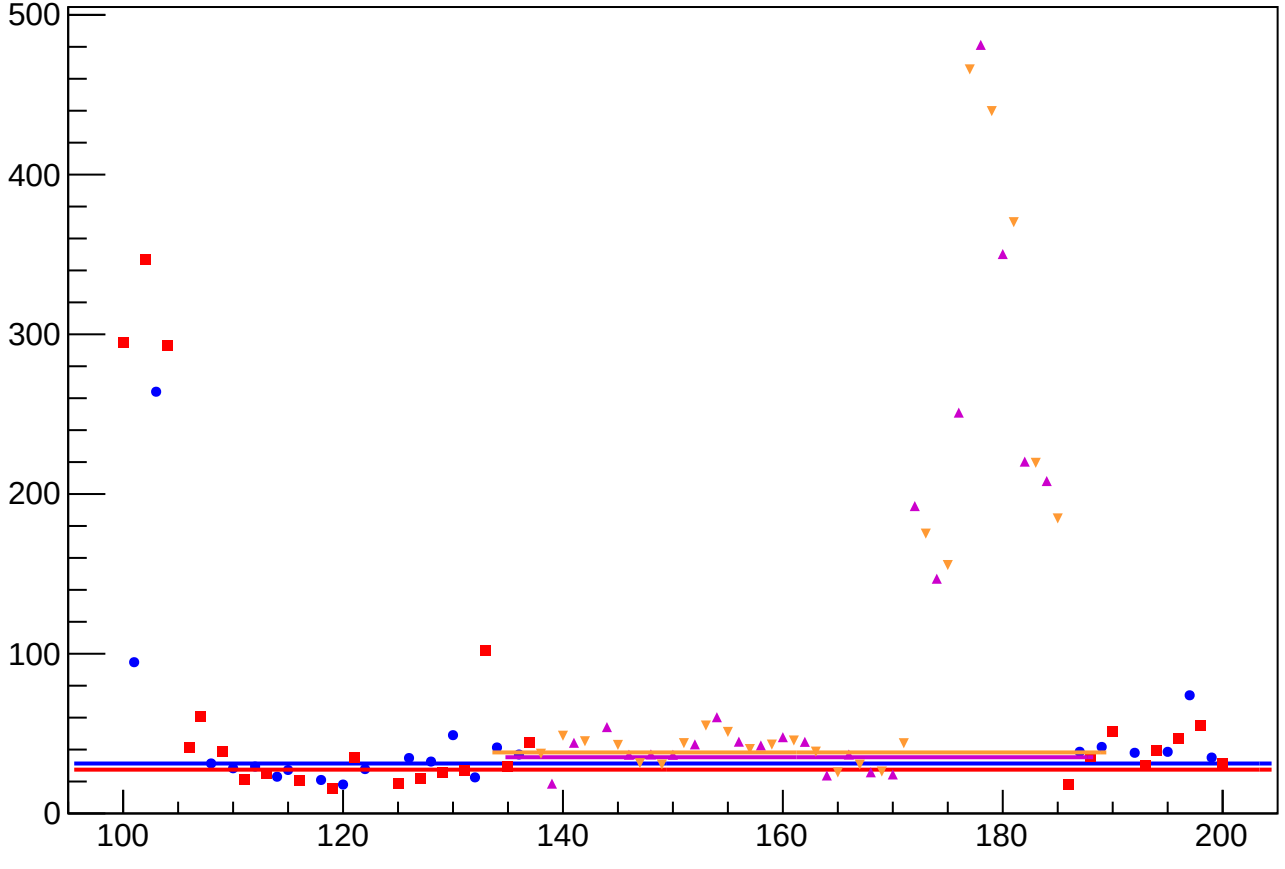
Right: -0.004+/-0.007 χ^2/NDF: 28.2/47

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: -0.000+/-0.005 χ^2/NDF: 92.2/94

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

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

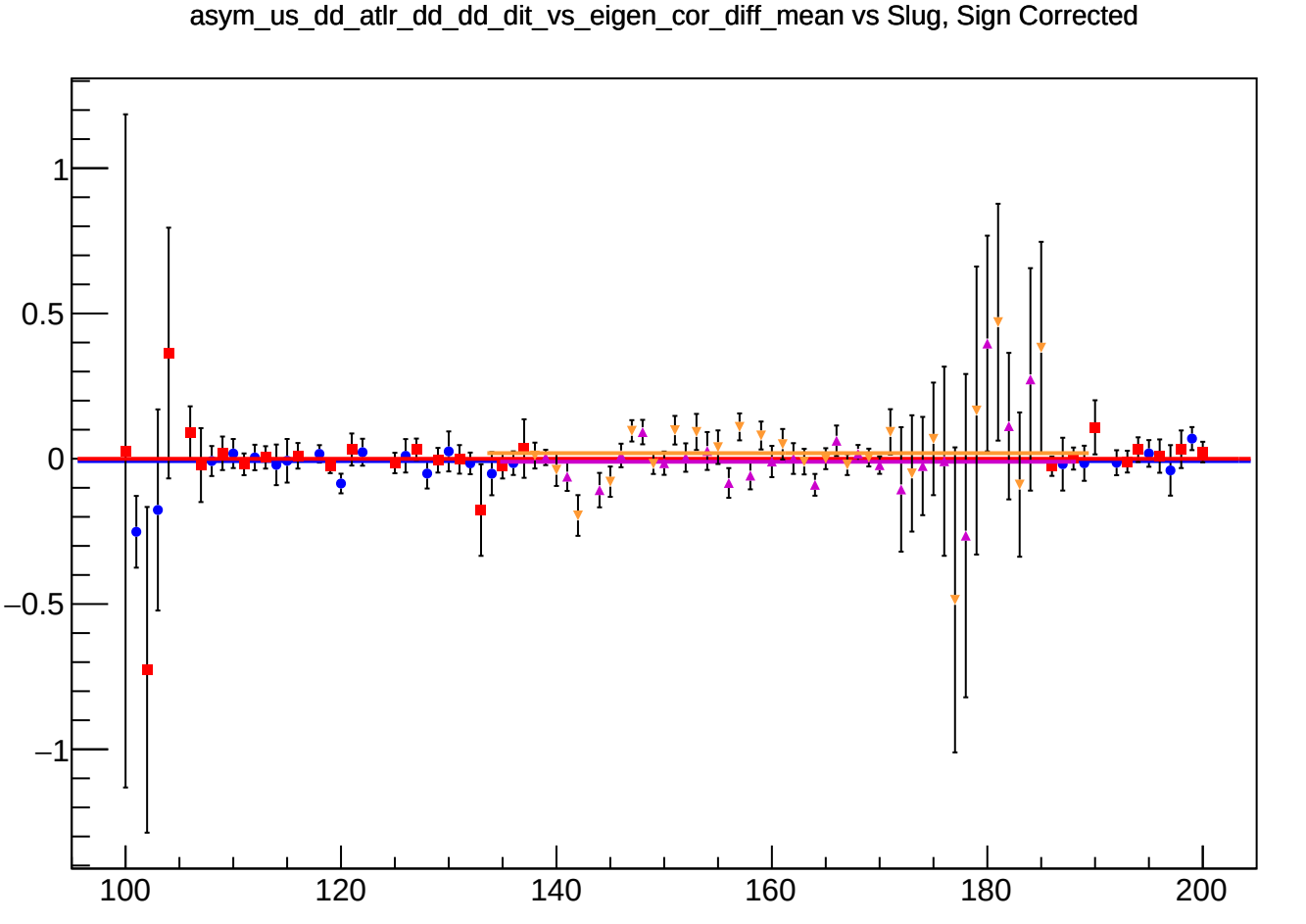
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.050+/-0.005 χ^2/NDF: 7429473.1/47

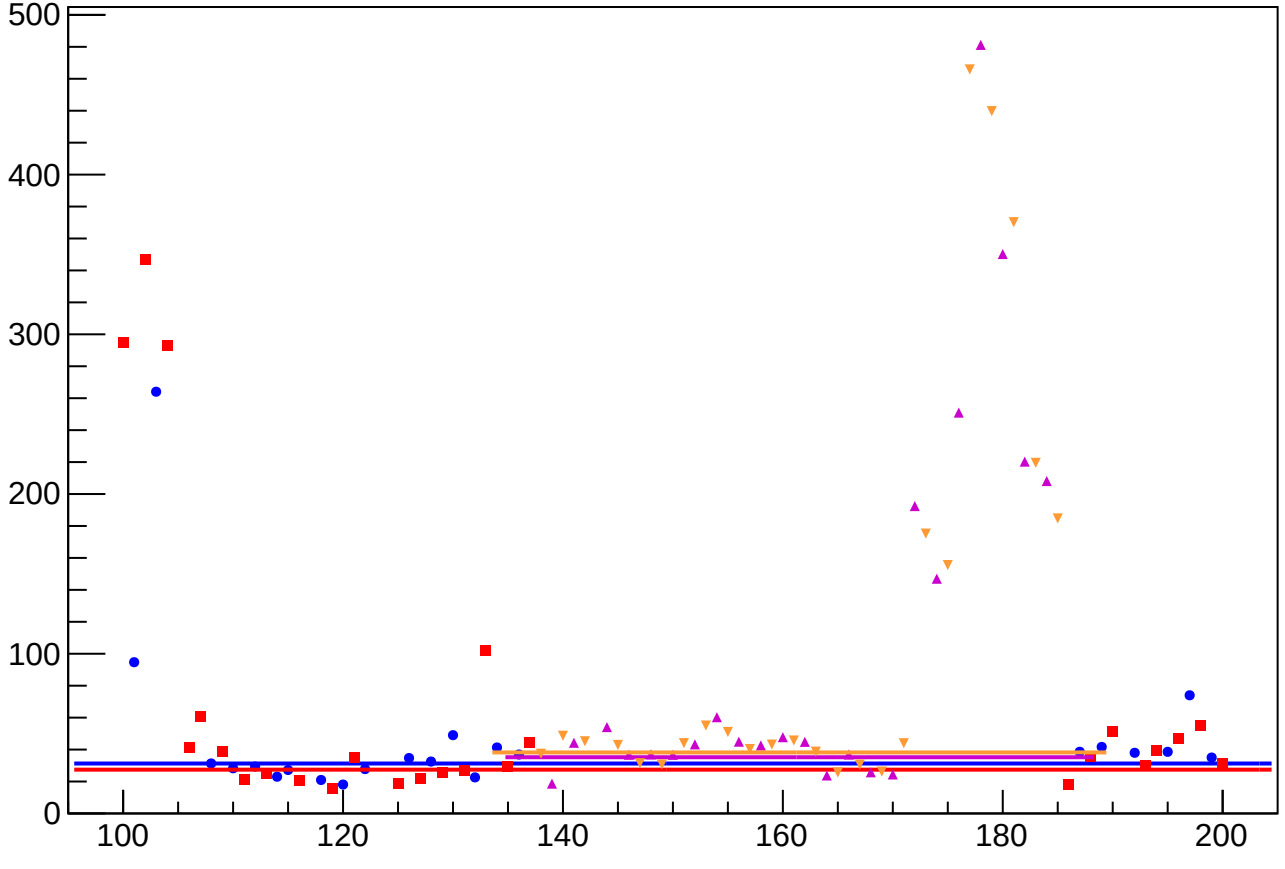
In: 33.309+/-0.005 χ^2/NDF:12557726.7/44

Out: 31.920+/-0.005 χ^2/NDF:13700602.1/49

All: 32.574+/-0.004 χ^2/NDF: 26295647.3/94


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.008+/-0.011 χ²/NDF: 16.6/21
Left Out: 0.019+/-0.011 χ²/NDF:35.9/23
Right Out: -0.000+/-0.009 χ²/NDF: 11.3/25
Left In: -0.010+/-0.010 χ²/NDF:23.6/22
Left: 0.004+/-0.007 χ²/NDF: 63.5/46
Right: -0.004+/-0.007 χ²/NDF: 28.2/47
In: -0.009+/-0.007 χ²/NDF:40.2/44
Out: 0.008+/-0.007 χ²/NDF:49.1/49
All: -0.000+/-0.005 χ²/NDF: 92.2/94

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

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

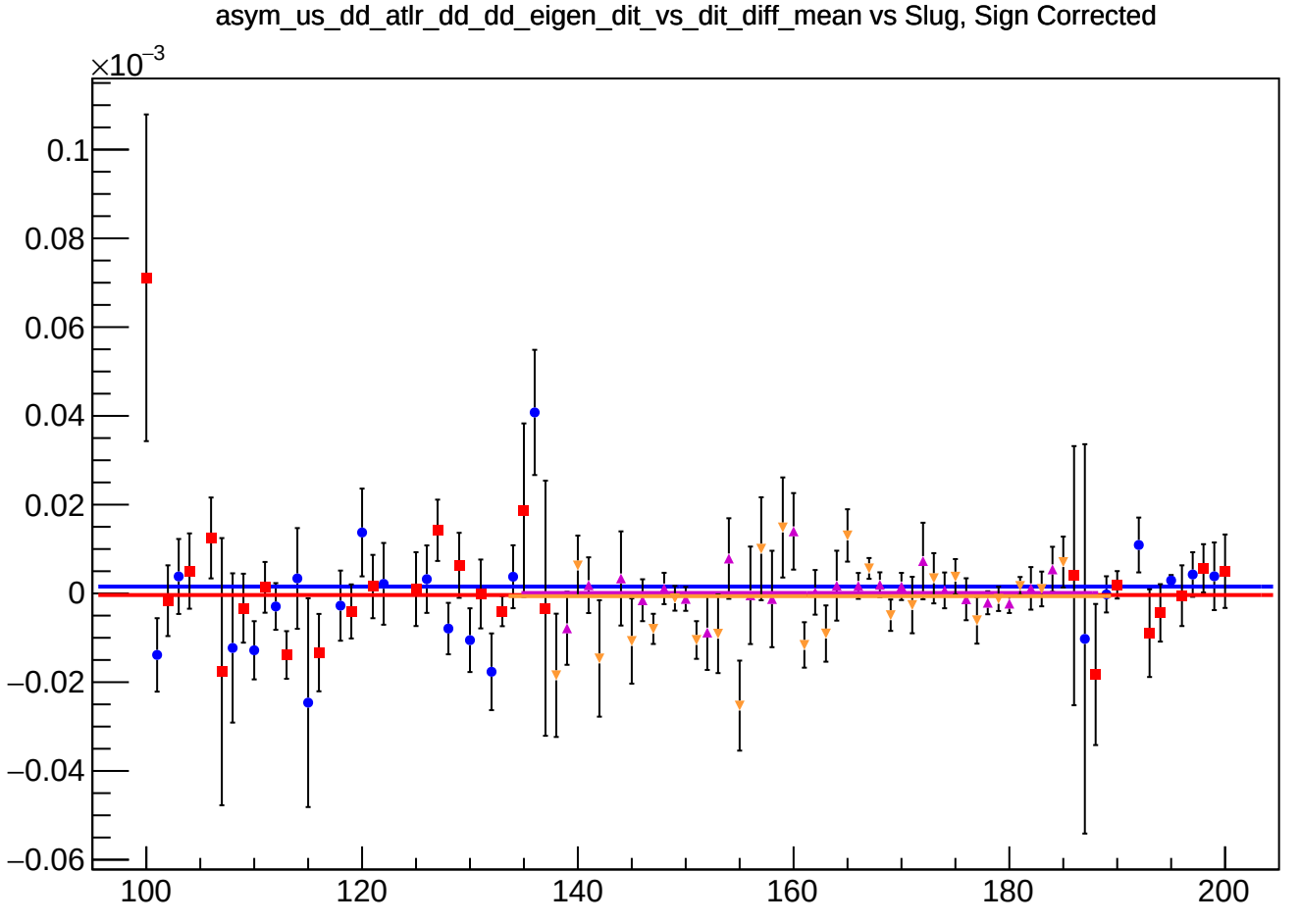
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.050+/-0.005 χ^2/NDF: 7429473.1/47

In: 33.309+/-0.005 χ^2/NDF:12557726.7/44

Out: 31.920+/-0.005 χ^2/NDF:13700602.1/49

All: 32.574+/-0.004 χ^2/NDF: 26295647.3/94



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/21

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

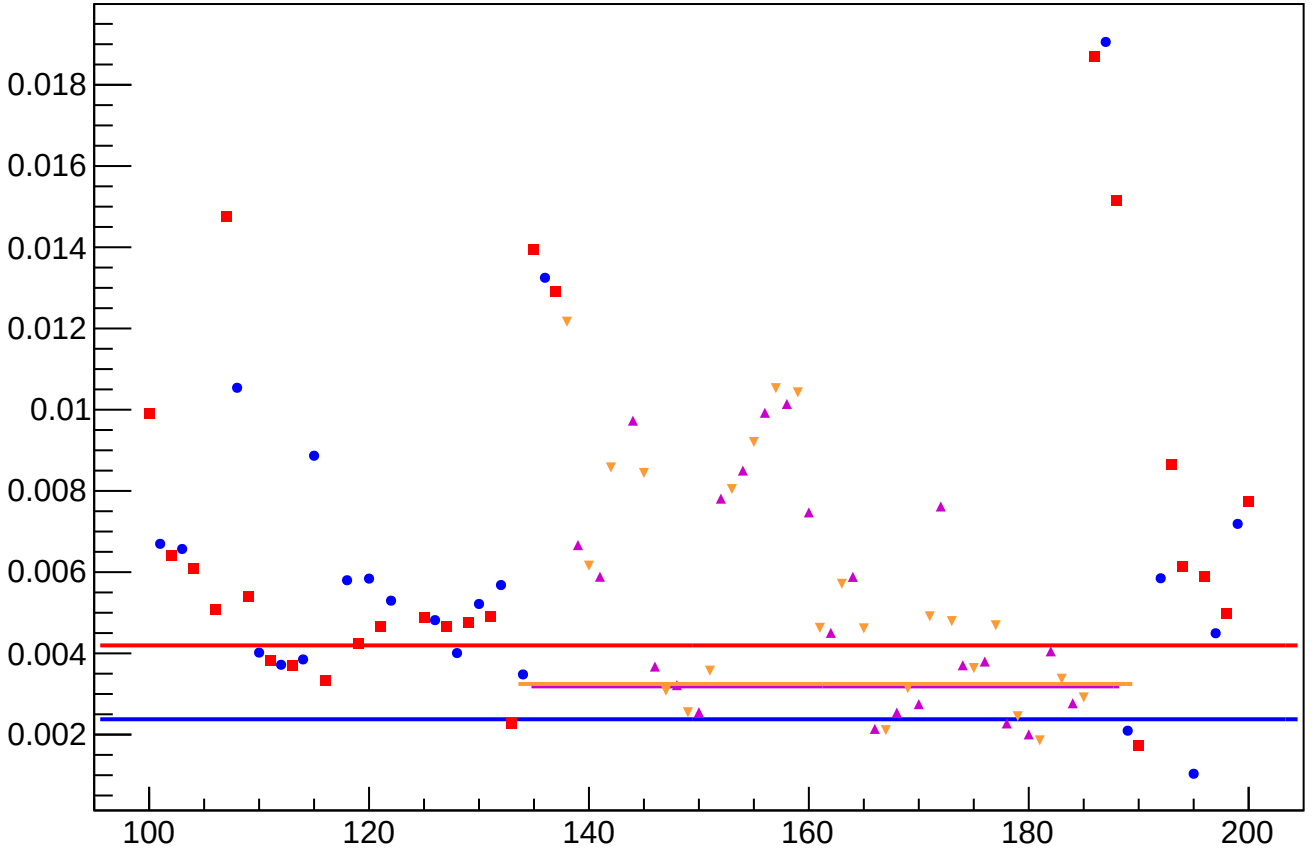
Right: 0.000+/-0.000 χ^2/NDF: 64.5/47

In: 0.000+/-0.000 χ^2/NDF:47.6/44

Out: -0.000+/-0.000 χ^2/NDF:79.0/49

All: 0.000+/-0.000 χ^2/NDF: 128.4/94

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: 9484033.7/21

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

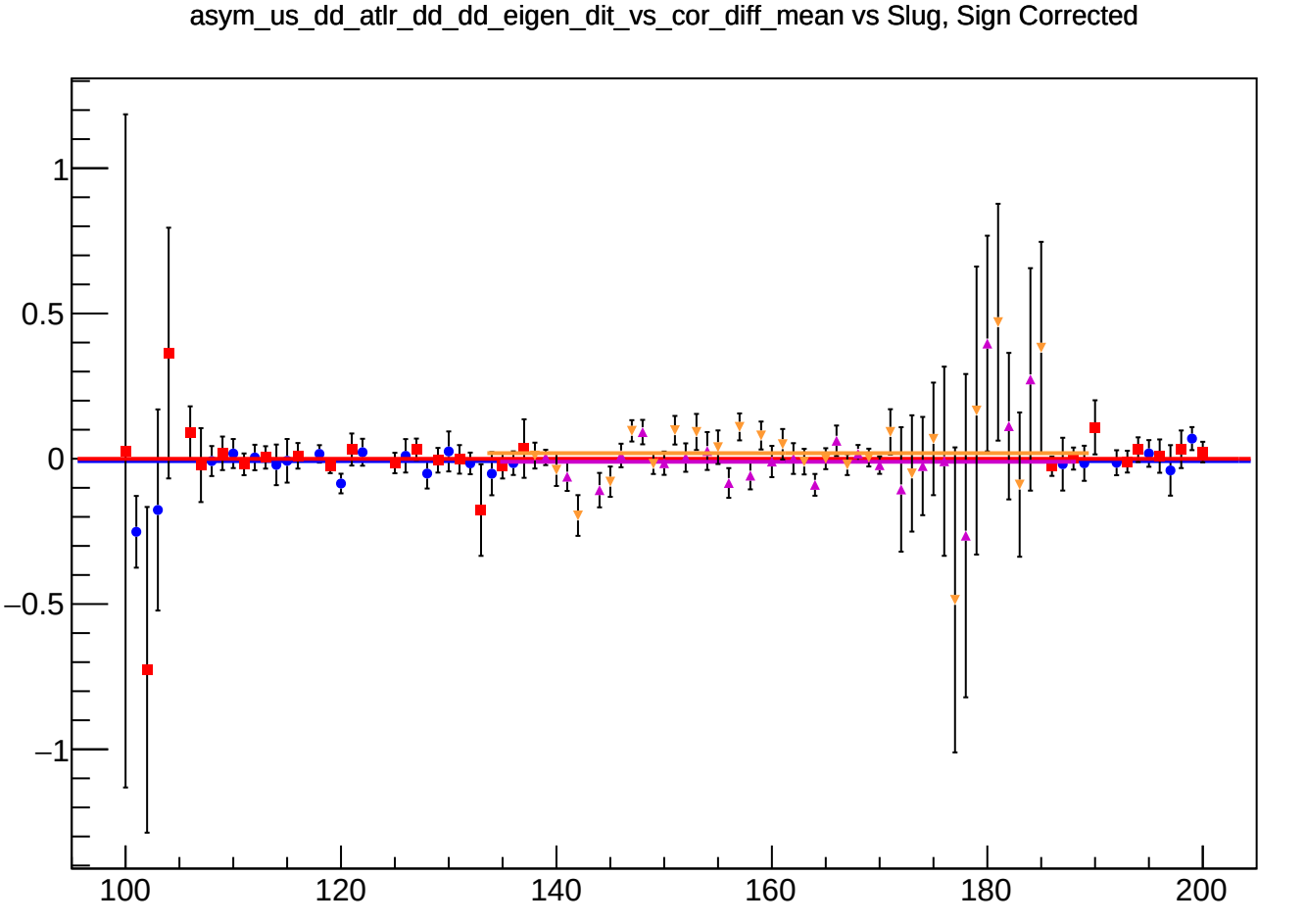
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 17776830.1/47

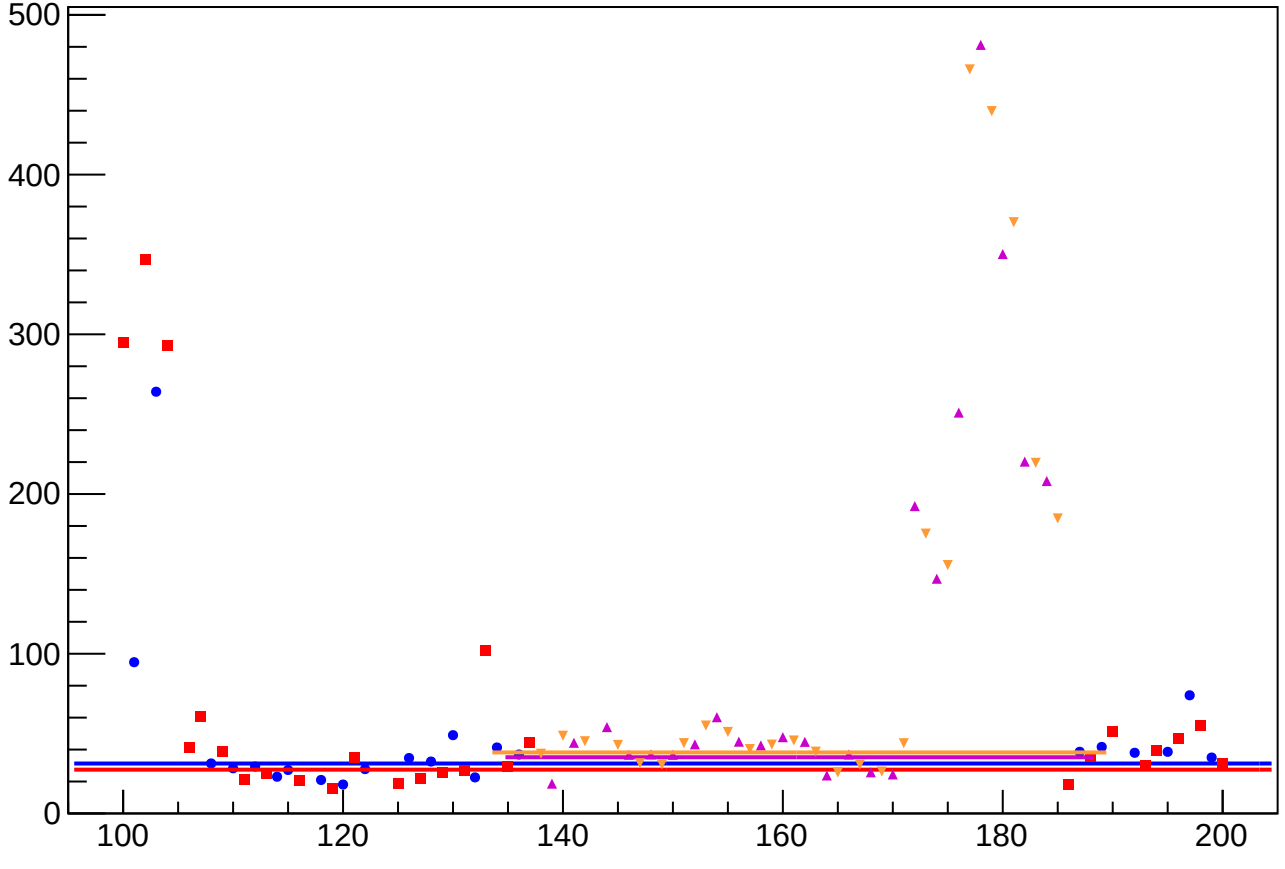
In: 0.003+/-0.000 χ^2/NDF:17565029.9/44

Out: 0.004+/-0.000 χ^2/NDF:14316658.0/49

All: 0.003+/-0.000 χ^2/NDF: 32909754.7/94


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.008+/-0.011 χ²/NDF: 16.6/21
Left Out: 0.019+/-0.011 χ²/NDF:35.9/23
Right Out: -0.000+/-0.009 χ²/NDF: 11.3/25
Left In: -0.010+/-0.010 χ²/NDF:23.6/22
Left: 0.004+/-0.007 χ²/NDF: 63.5/46
Right: -0.004+/-0.007 χ²/NDF: 28.2/47
In: -0.009+/-0.007 χ²/NDF:40.2/44
Out: 0.008+/-0.007 χ²/NDF:49.1/49
All: -0.000+/-0.005 χ²/NDF: 92.1/94

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

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

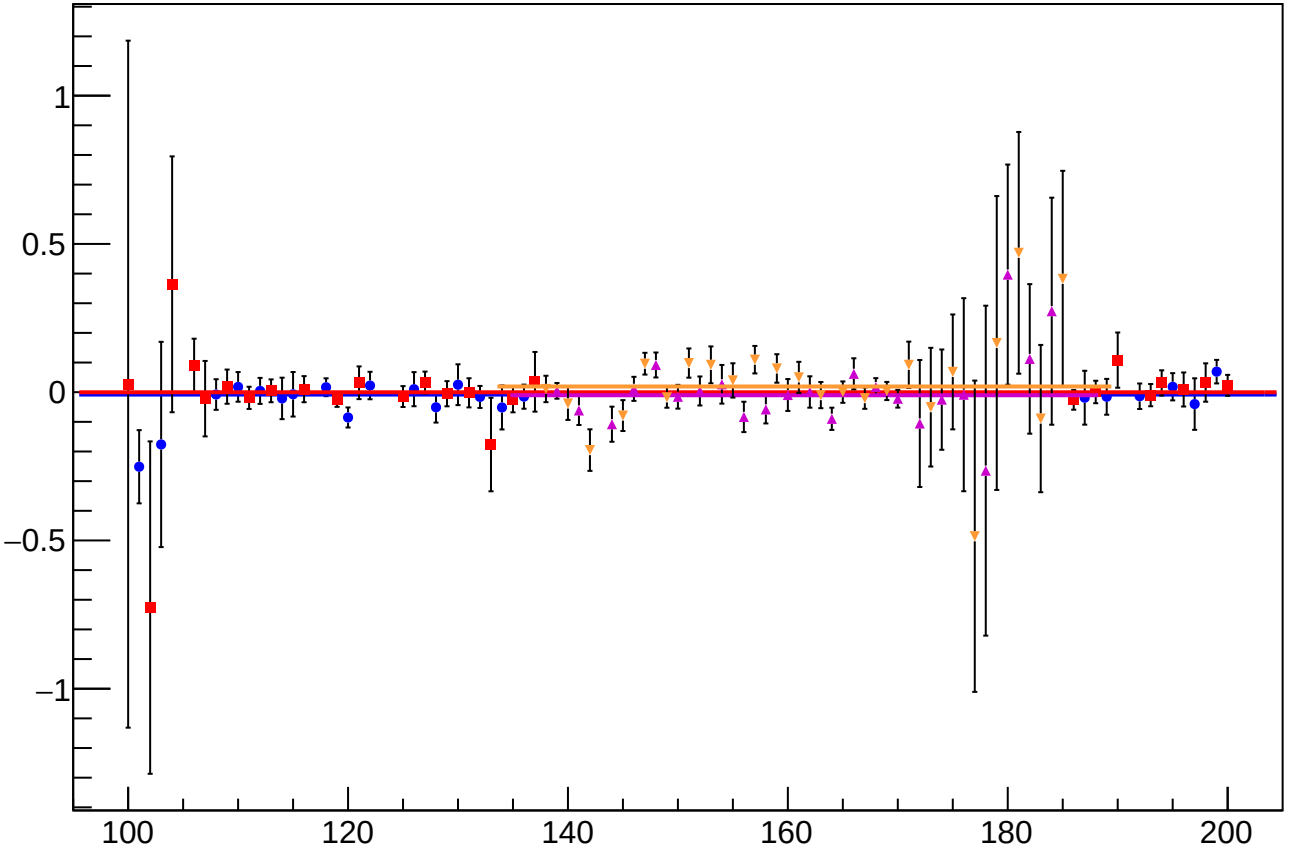
Right: 29.048+/-0.005 χ^2/NDF: 7430071.9/47

In: 33.309+/-0.005 χ^2/NDF:12558166.4/44

Out: 31.918+/-0.005 χ^2/NDF:13701578.7/49

All: 32.573+/-0.004 χ^2/NDF: 26297142.1/94

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

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

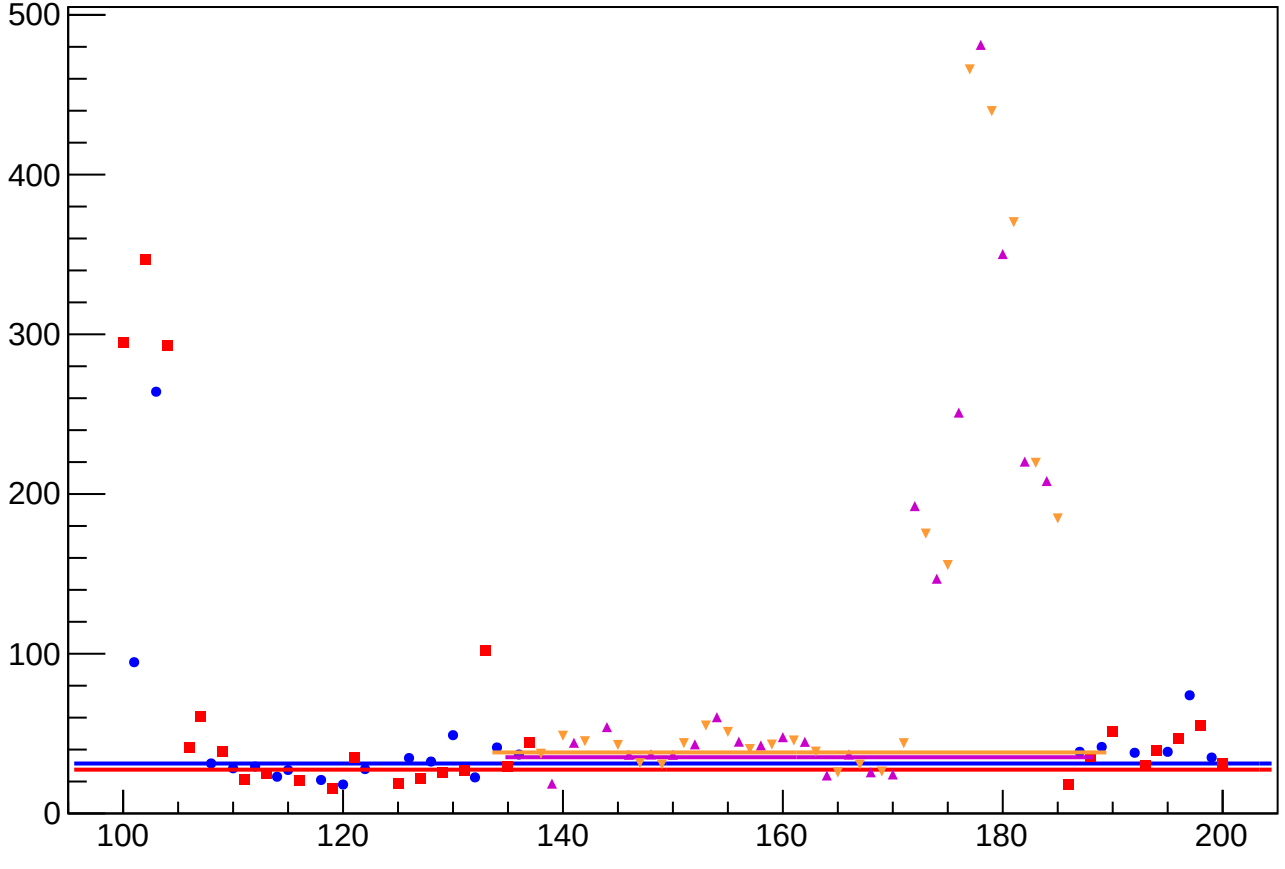
Right: -0.004+/-0.007 χ^2/NDF: 28.2/47

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.008+/-0.007 χ^2/NDF:49.1/49

All: -0.000+/-0.005 χ^2/NDF: 92.1/94

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

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

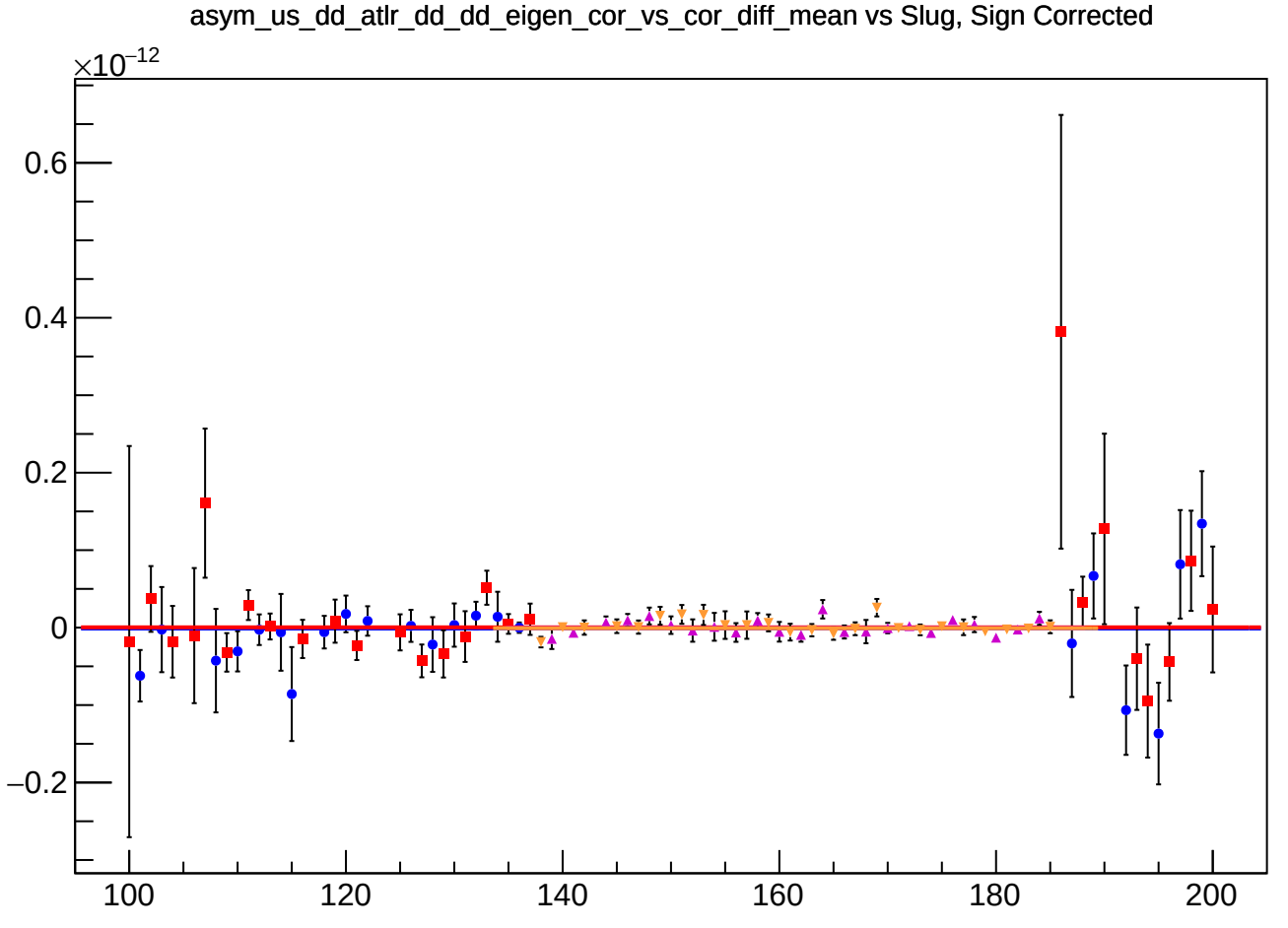
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 29.048+/-0.005 χ^2/NDF: 7430071.9/47

In: 33.309+/-0.005 χ^2/NDF:12558166.4/44

Out: 31.918+/-0.005 χ^2/NDF:13701578.7/49

All: 32.573+/-0.004 χ^2/NDF: 26297142.1/94



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

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

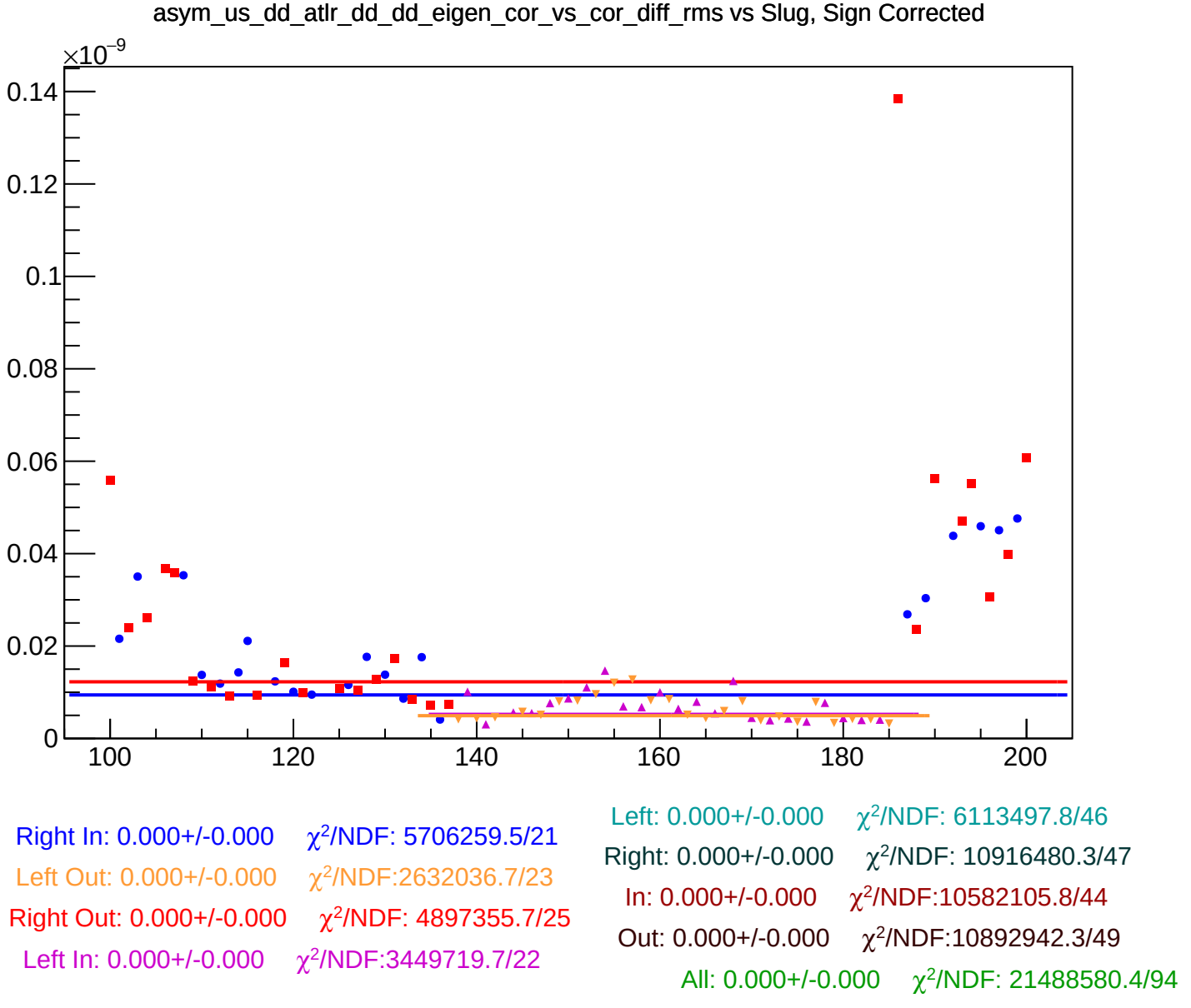
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 53.8/47

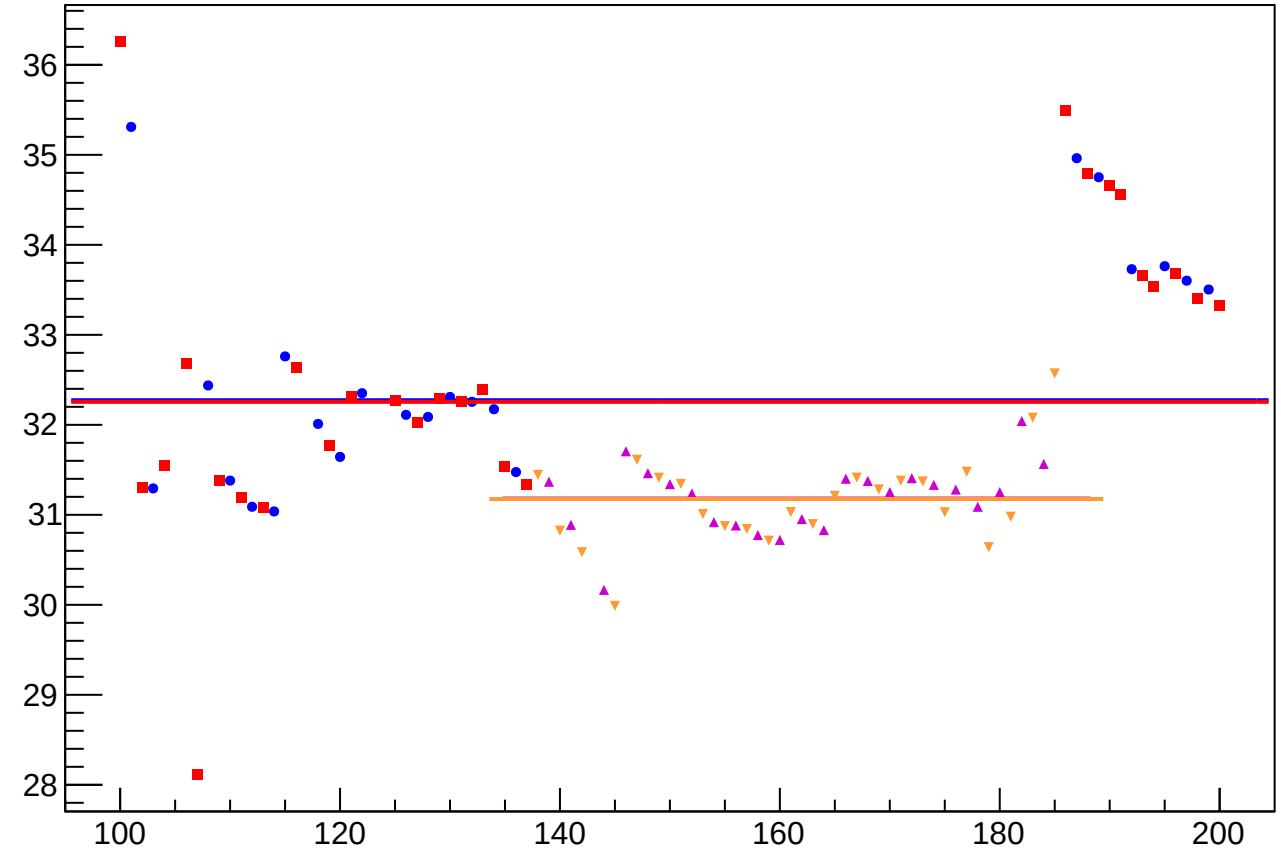
In: -0.000+/-0.000 χ^2/NDF:50.3/44

Out: -0.000+/-0.000 χ^2/NDF:50.8/49

All: -0.000+/-0.000 χ^2/NDF: 101.2/94


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5706259.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 4897355.7/25
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 10916480.3/47
In: 0.000+/-0.000 χ²/NDF:10582105.8/44
Out: 0.000+/-0.000 χ²/NDF:10892942.3/49
All: 0.000+/-0.000 χ²/NDF: 21488580.4/94

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.274+/-0.000 χ^2/NDF: 1488389954.6/21

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

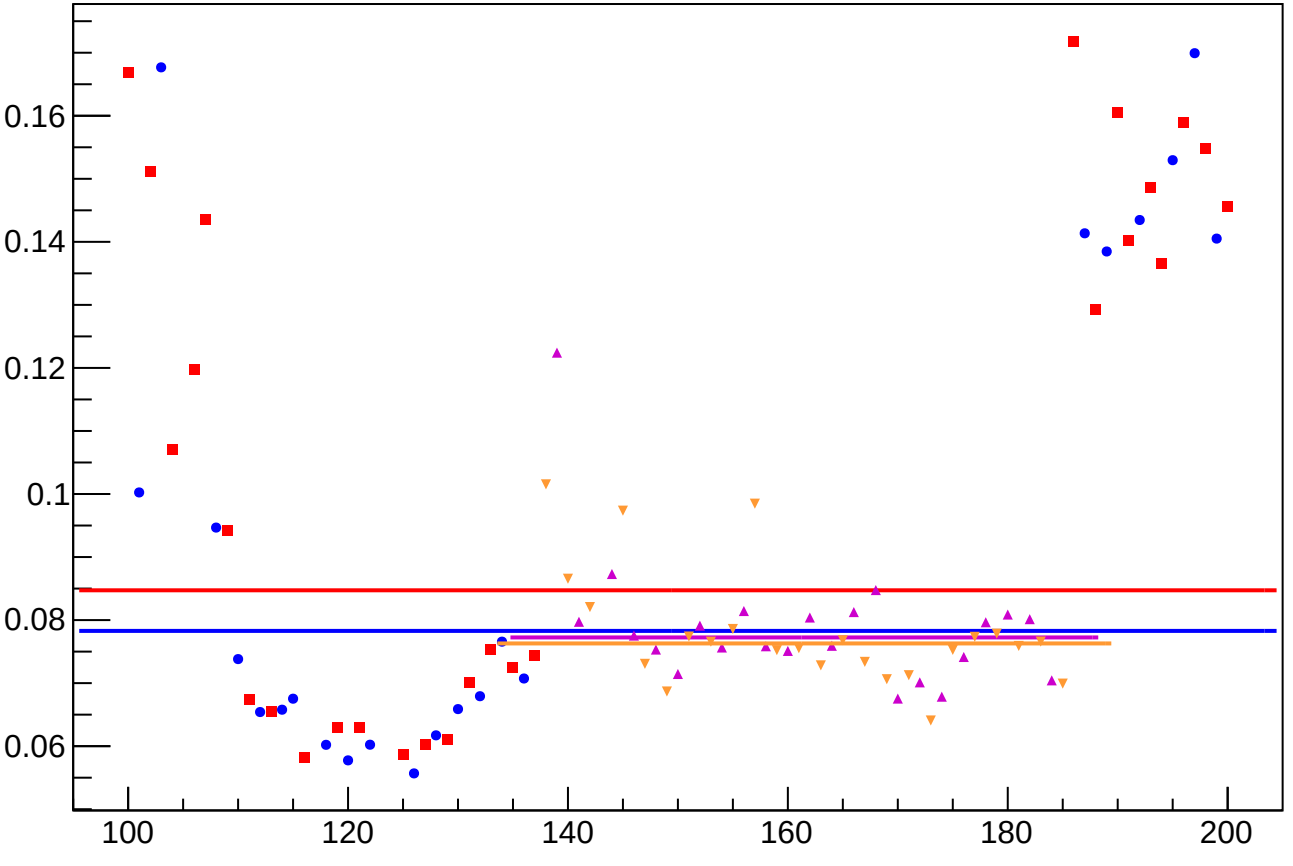
Right: 32.265+/-0.000 χ^2/NDF: 3109450899.7/48

In: 31.569+/-0.000 χ^2/NDF:3040600084.9/44

Out: 31.550+/-0.000 χ^2/NDF:3312963395.7/50

All: 31.559+/-0.000 χ^2/NDF: 6354383757.9/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.078+/-0.000 χ^2/NDF: 2838725.5/21

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

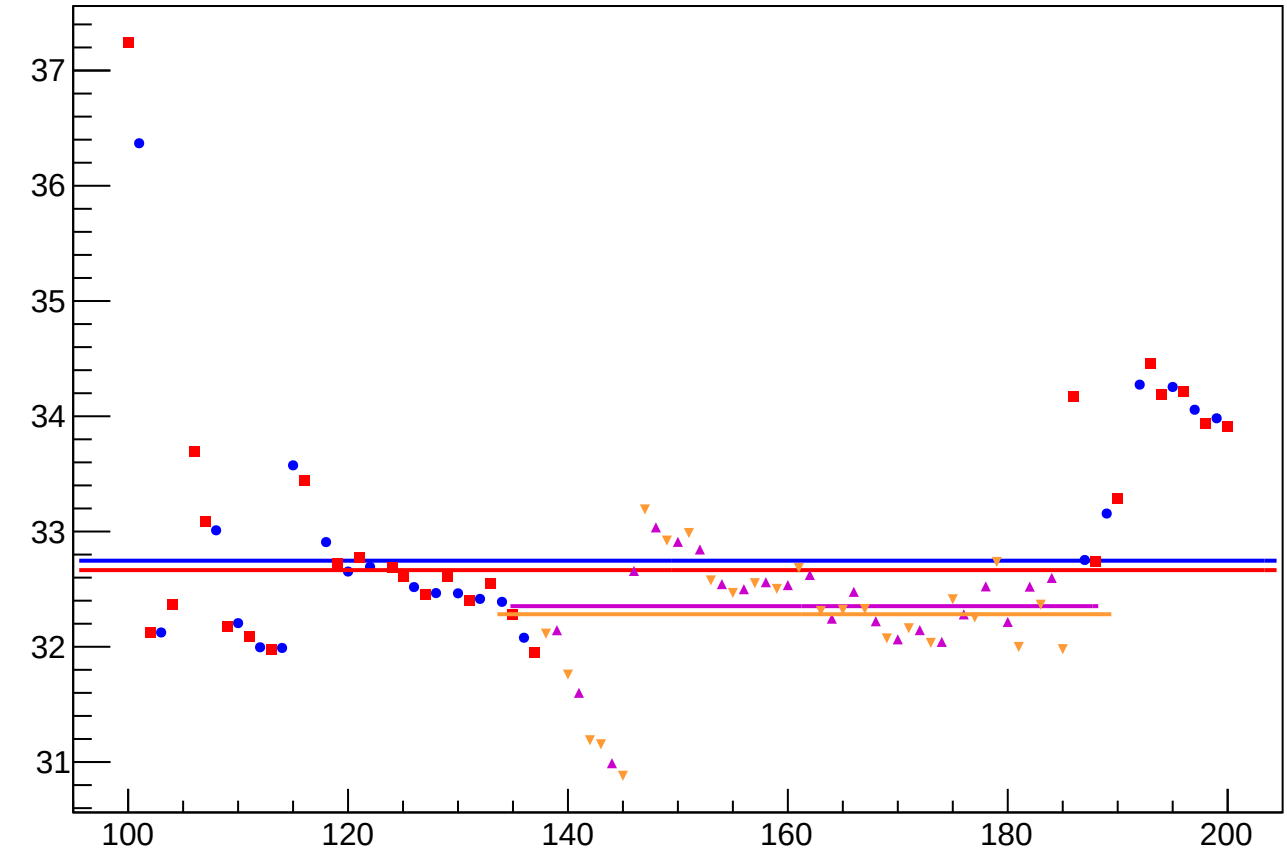
Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

Right: 0.082+/-0.000 χ^2/NDF: 6423800.3/48

In: 0.078+/-0.000 χ^2/NDF:3206056.3/44

Out: 0.079+/-0.000 χ^2/NDF:4020160.8/50

All: 0.078+/-0.000 χ^2/NDF: 7237348.9/95



Right In: 32.747+/-0.000 χ^2/NDF: 890219562.9/21

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

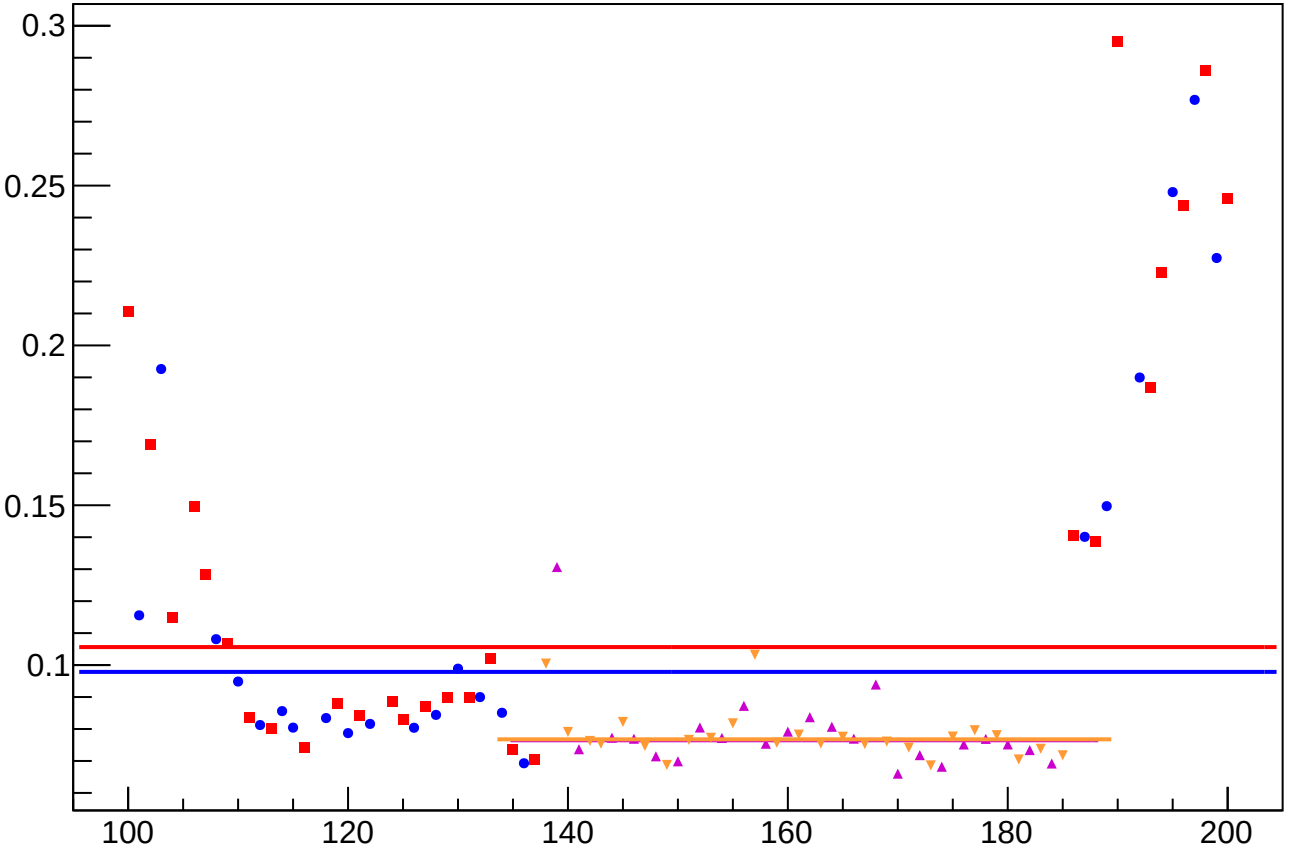
Right: 32.706+/-0.000 χ^2/NDF: 1305865508.4/48

In: 32.450+/-0.000 χ^2/NDF:1590334870.0/44

Out: 32.374+/-0.000 χ^2/NDF:1356263606.3/51

All: 32.411+/-0.000 χ^2/NDF: 2957781208.0/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.098+/-0.000 χ^2/NDF: 3234711.1/21

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

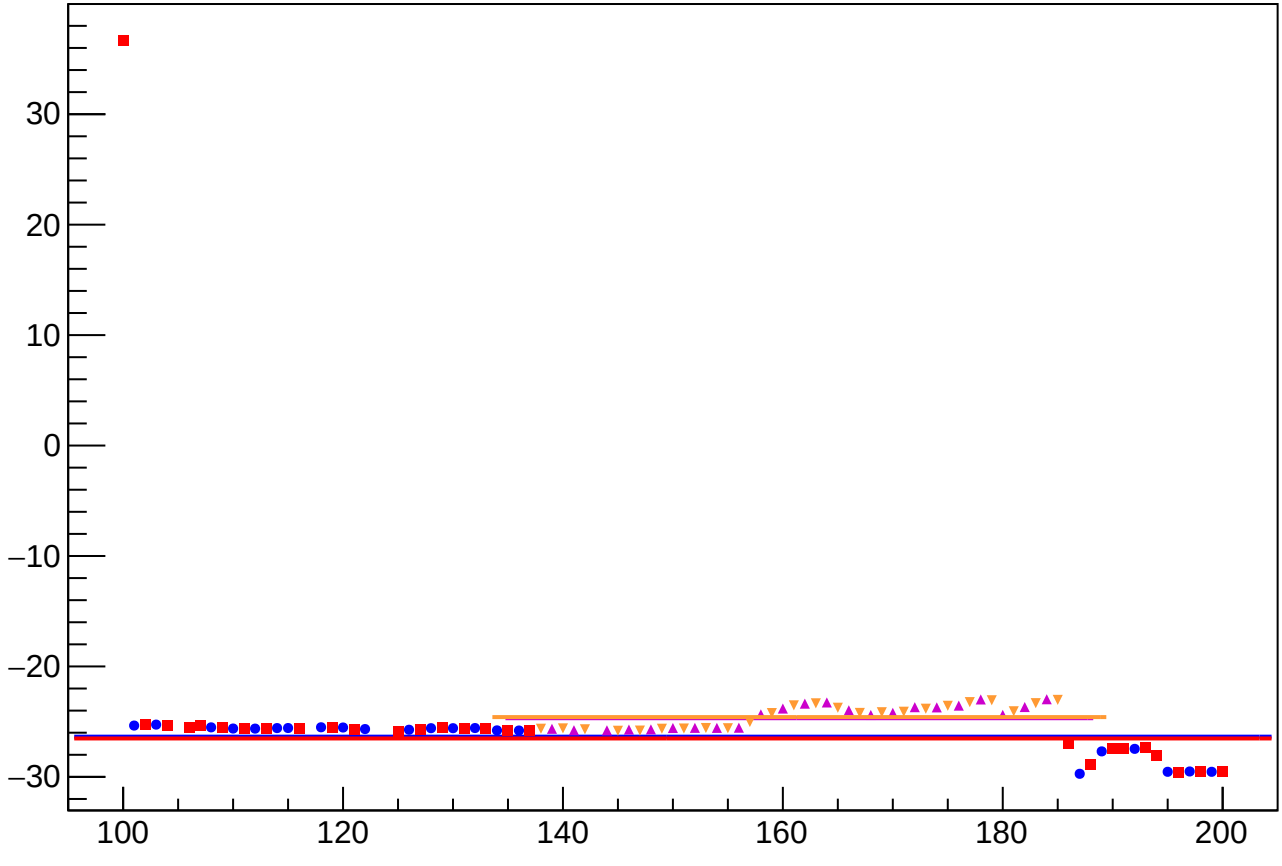
Right: 0.102+/-0.000 χ^2/NDF: 7195931.7/48

In: 0.082+/-0.000 χ^2/NDF:4366137.3/44

Out: 0.084+/-0.000 χ^2/NDF:5347135.0/51

All: 0.083+/-0.000 χ^2/NDF: 9727500.4/96

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.359+/-0.000 χ^2/NDF: 11461859430.0/21

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

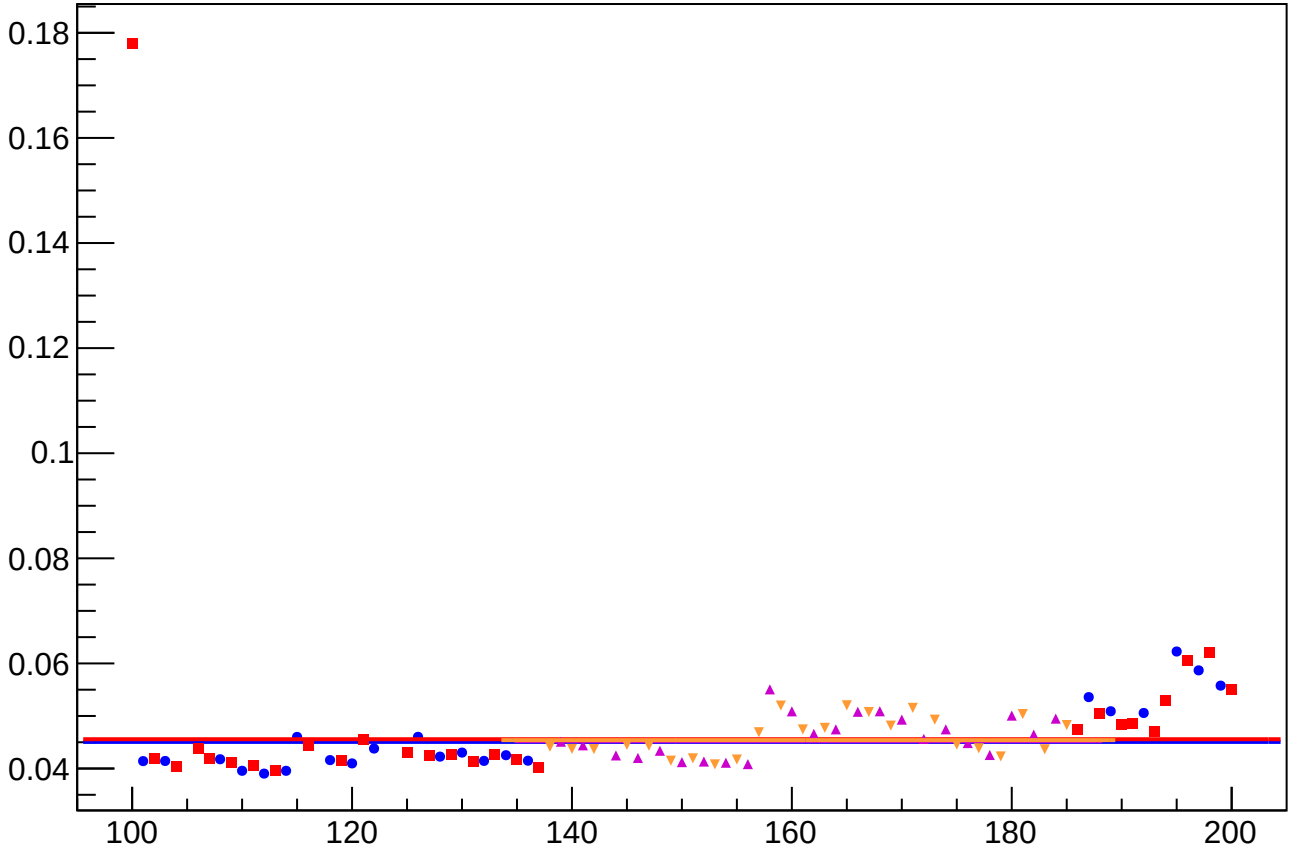
Right: -26.445+/-0.000 χ^2/NDF: 33895461510.6/48

In: -25.333+/-0.000 χ^2/NDF:29657581221.5/44

Out: -25.396+/-0.000 χ^2/NDF:45196317362.4/50

All: -25.365+/-0.000 χ^2/NDF: 74882654642.8

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 435258.2/21

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

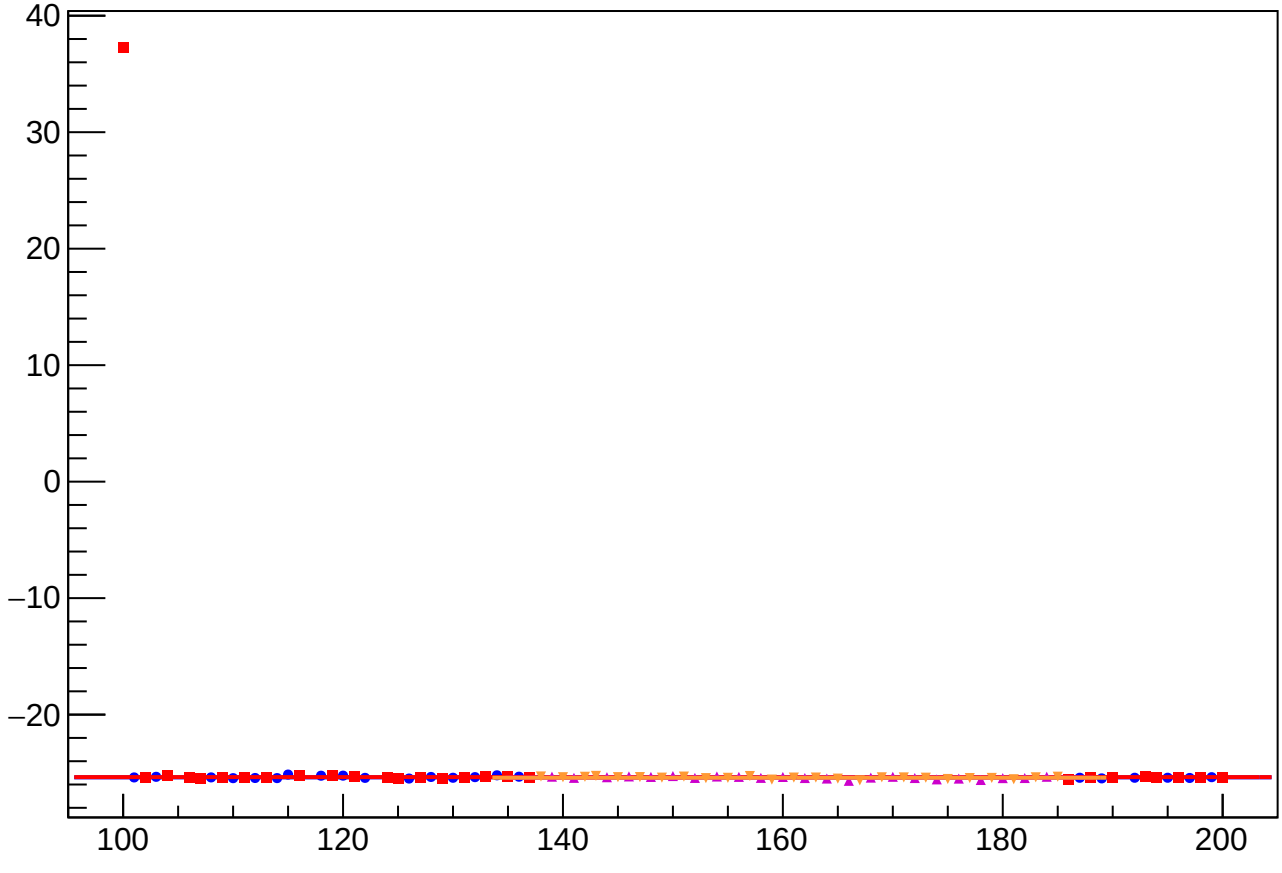
Right: 0.045+/-0.000 χ^2/NDF: 967074.8/48

In: 0.045+/-0.000 χ^2/NDF:680058.4/44

Out: 0.045+/-0.000 χ^2/NDF:736056.1/50

All: 0.045+/-0.000 χ^2/NDF: 1417652.4/95

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.387+/-0.000 χ^2/NDF: 18243107.2/21

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

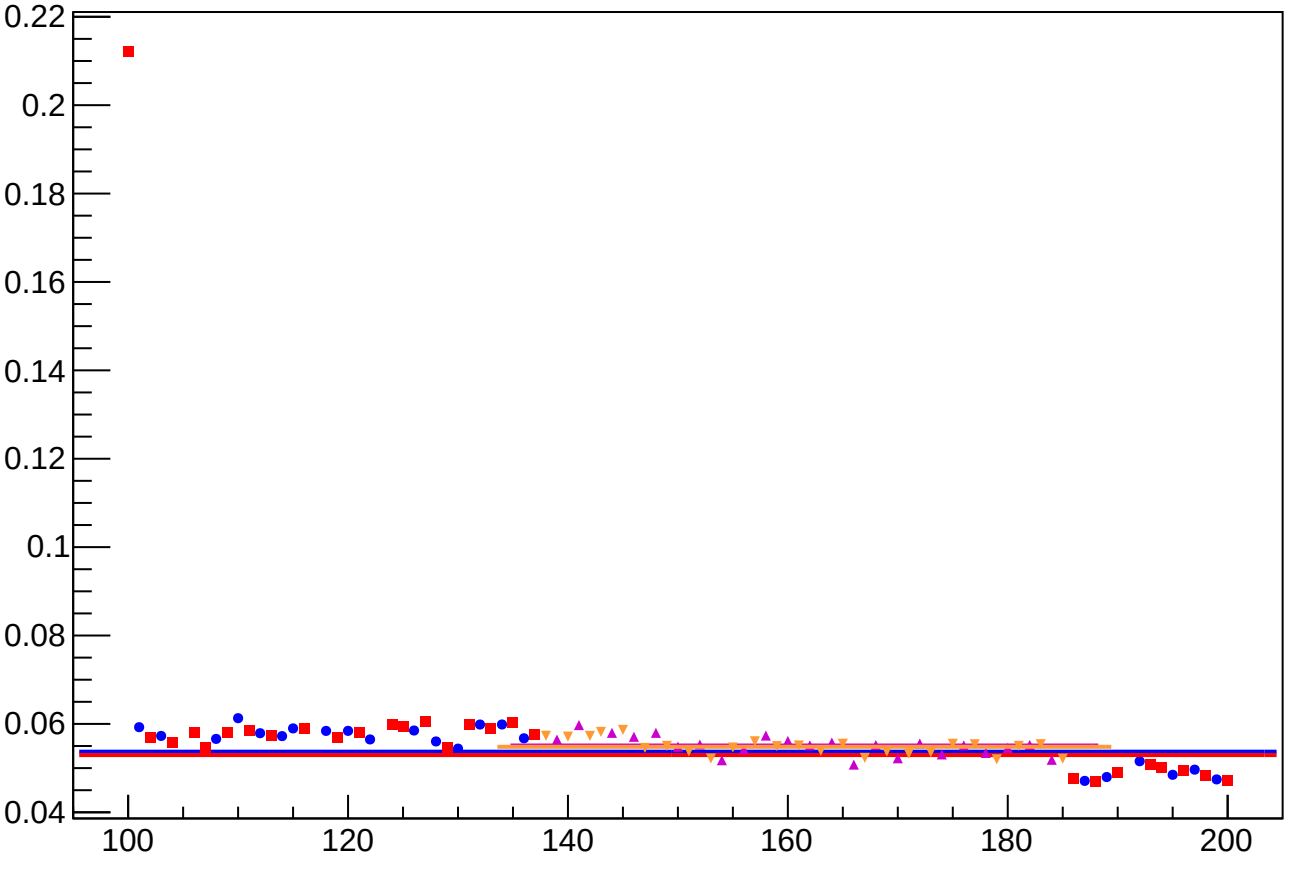
Right: -25.375+/-0.000 χ^2/NDF: 6348467068.2/48

In: -25.403+/-0.000 χ^2/NDF:75827486.7/44

Out: -25.395+/-0.000 χ^2/NDF:6388623977.4/51

All: -25.399+/-0.000 χ^2/NDF: 6464850780.4/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.054+/-0.000 χ^2/NDF: 165839.2/21

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

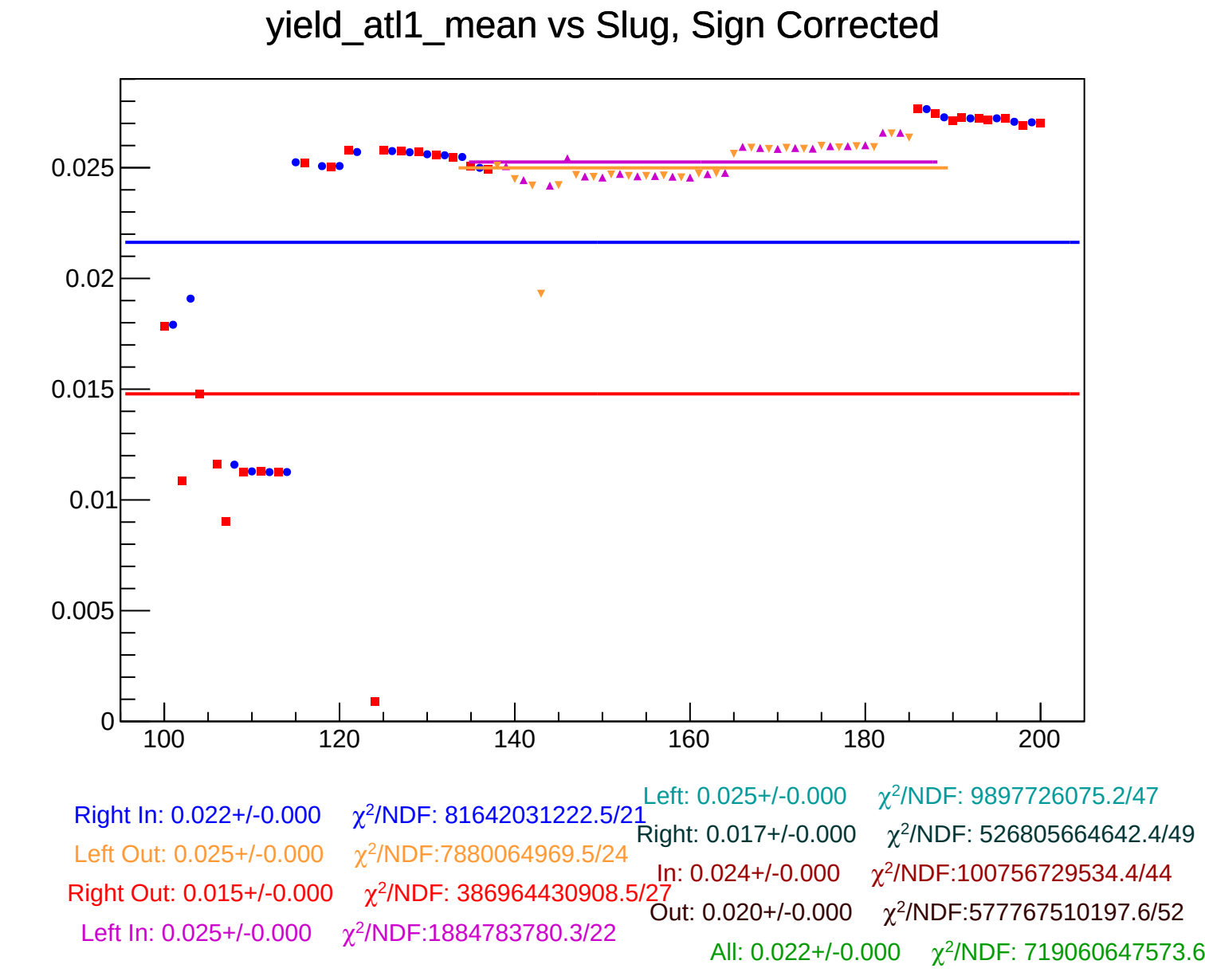
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.053+/-0.000 χ^2/NDF: 470541.9/48

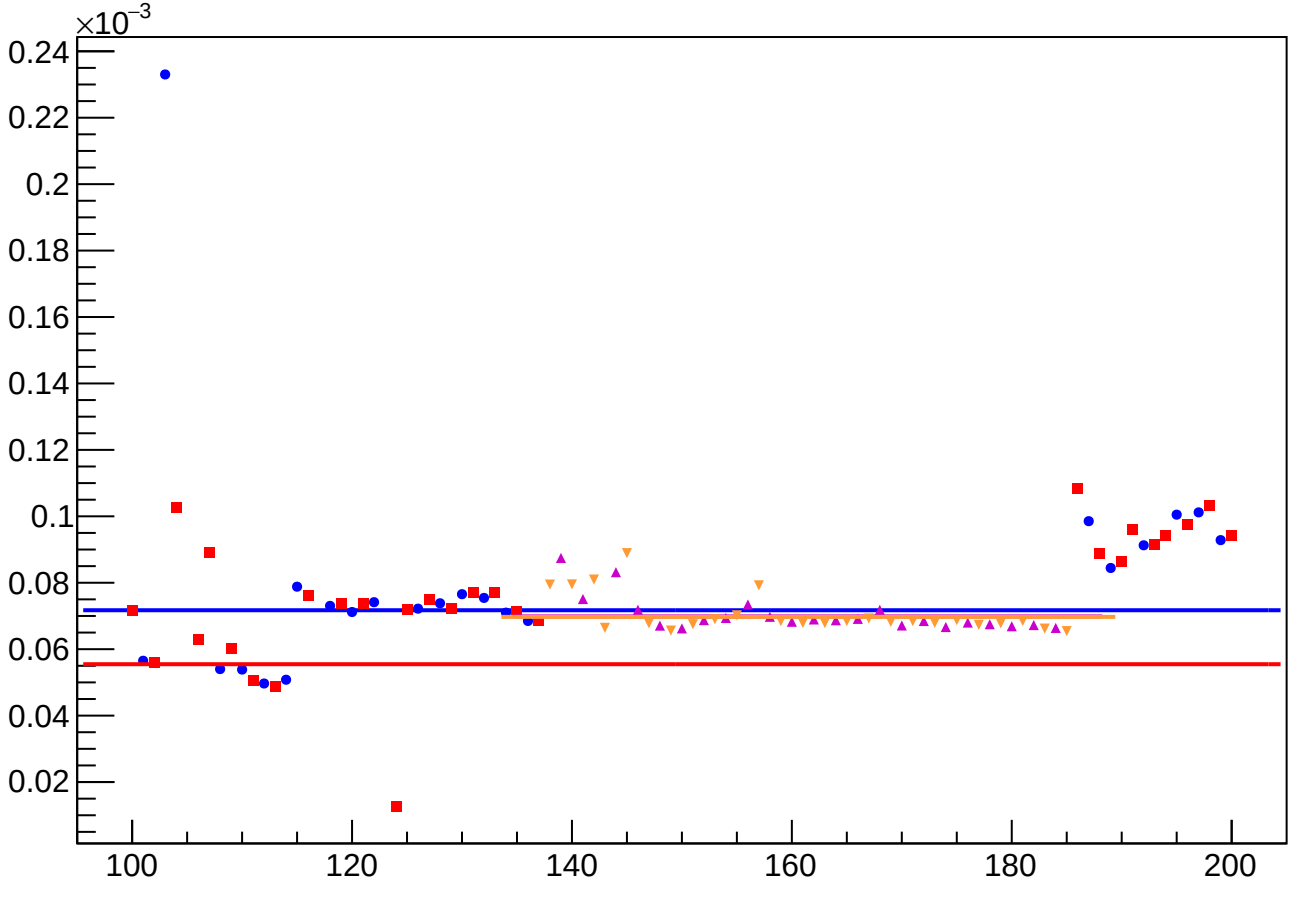
In: 0.055+/-0.000 χ^2/NDF:226396.2/44

Out: 0.054+/-0.000 χ^2/NDF:358883.2/51

All: 0.054+/-0.000 χ^2/NDF: 588168.4/96


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.022+/-0.000 χ²/NDF: 81642031222.5/21
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.015+/-0.000 χ²/NDF: 386964430908.5/27
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.017+/-0.000 χ²/NDF: 526805664642.4/49
In: 0.024+/-0.000 χ²/NDF:100756729534.4/44
Out: 0.020+/-0.000 χ²/NDF:577767510197.6/52
All: 0.022+/-0.000 χ²/NDF: 719060647573.6

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1473311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6464369.5/27

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

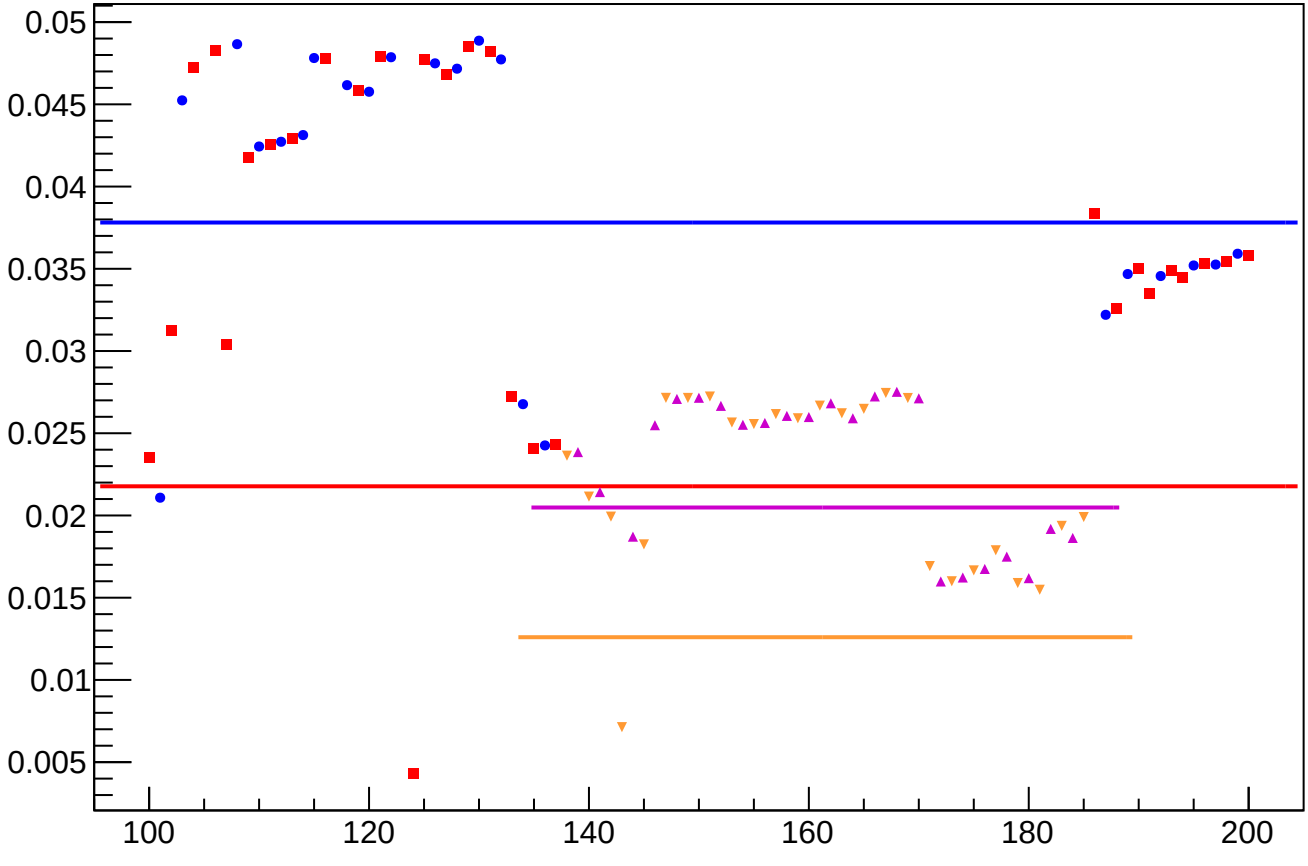
Right: 0.000+/-0.000 χ^2/NDF: 8594347.8/49

In: 0.000+/-0.000 χ^2/NDF:1634756.6/44

Out: 0.000+/-0.000 χ^2/NDF:7366375.8/52

All: 0.000+/-0.000 χ^2/NDF: 9332287.6/97

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7208615856.1/21

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

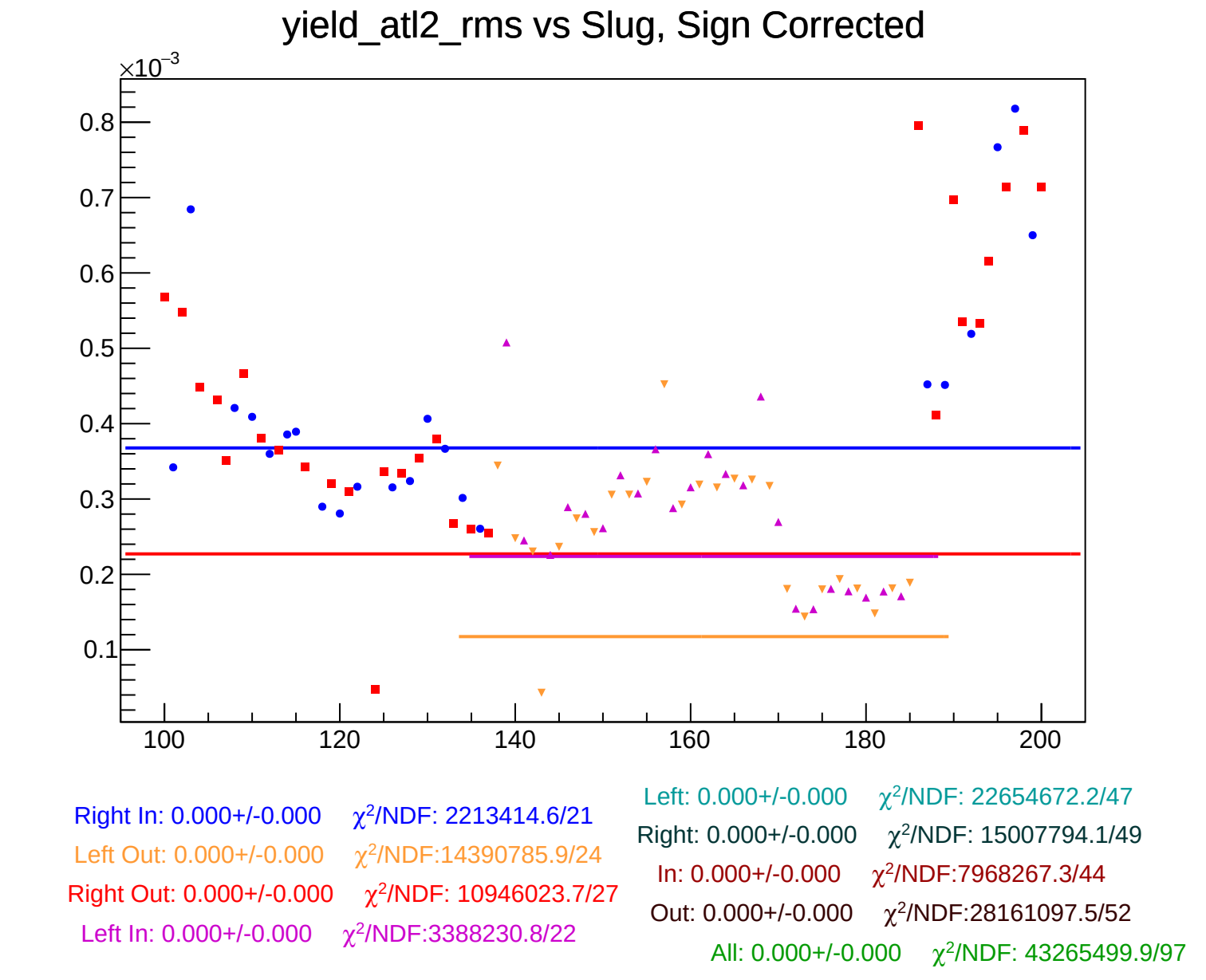
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64481386397.5/49

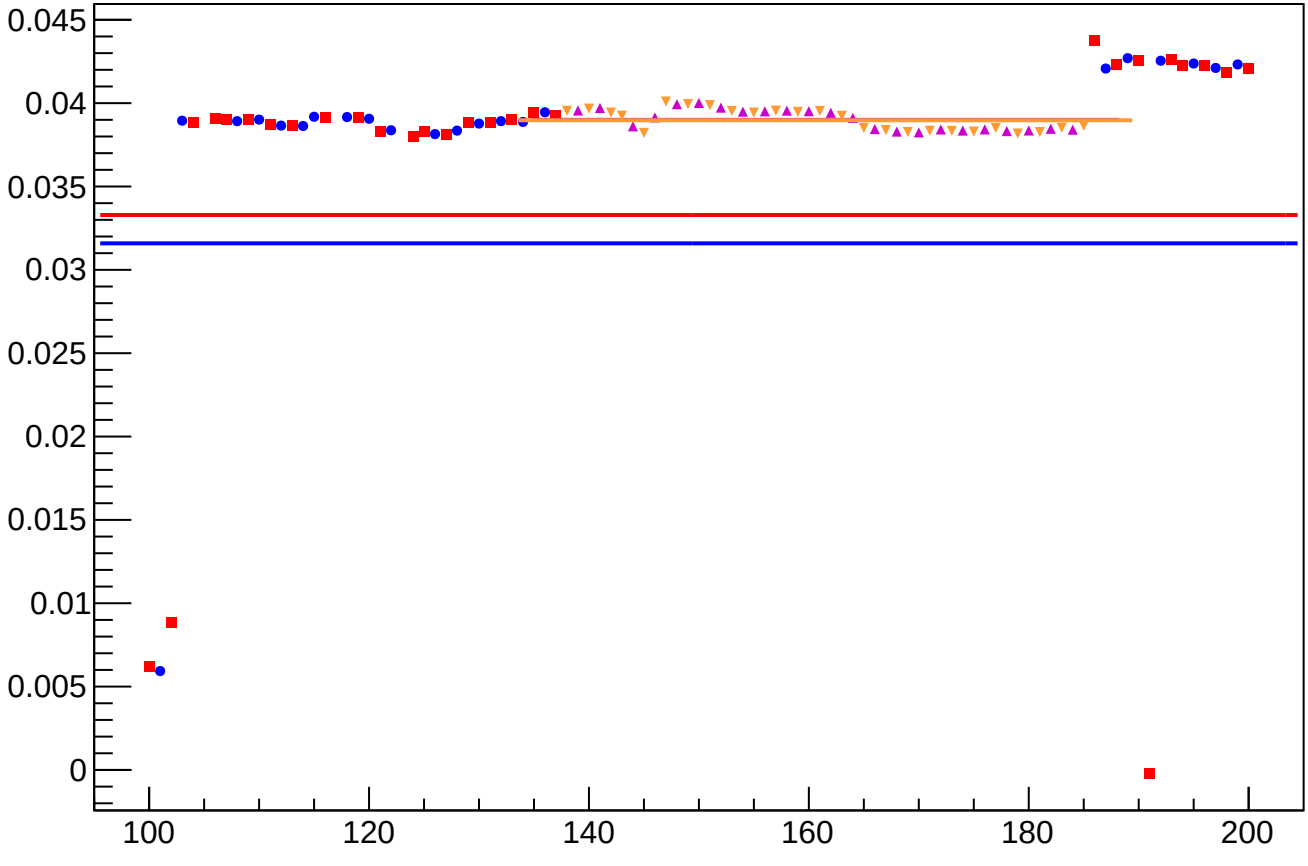
In: 0.024+/-0.000 χ^2/NDF:30458299214.4/44

Out: 0.014+/-0.000 χ^2/NDF:92461203948.4/52

All: 0.017+/-0.000 χ^2/NDF: 147828301470.6


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: 2213414.6/21
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: 15007794.1/49
In: 0.000+/-0.000 χ²/NDF:7968267.3/44
Out: 0.000+/-0.000 χ²/NDF:28161097.5/52
All: 0.000+/-0.000 χ²/NDF: 43265499.9/97

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 118474850660.0/21

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

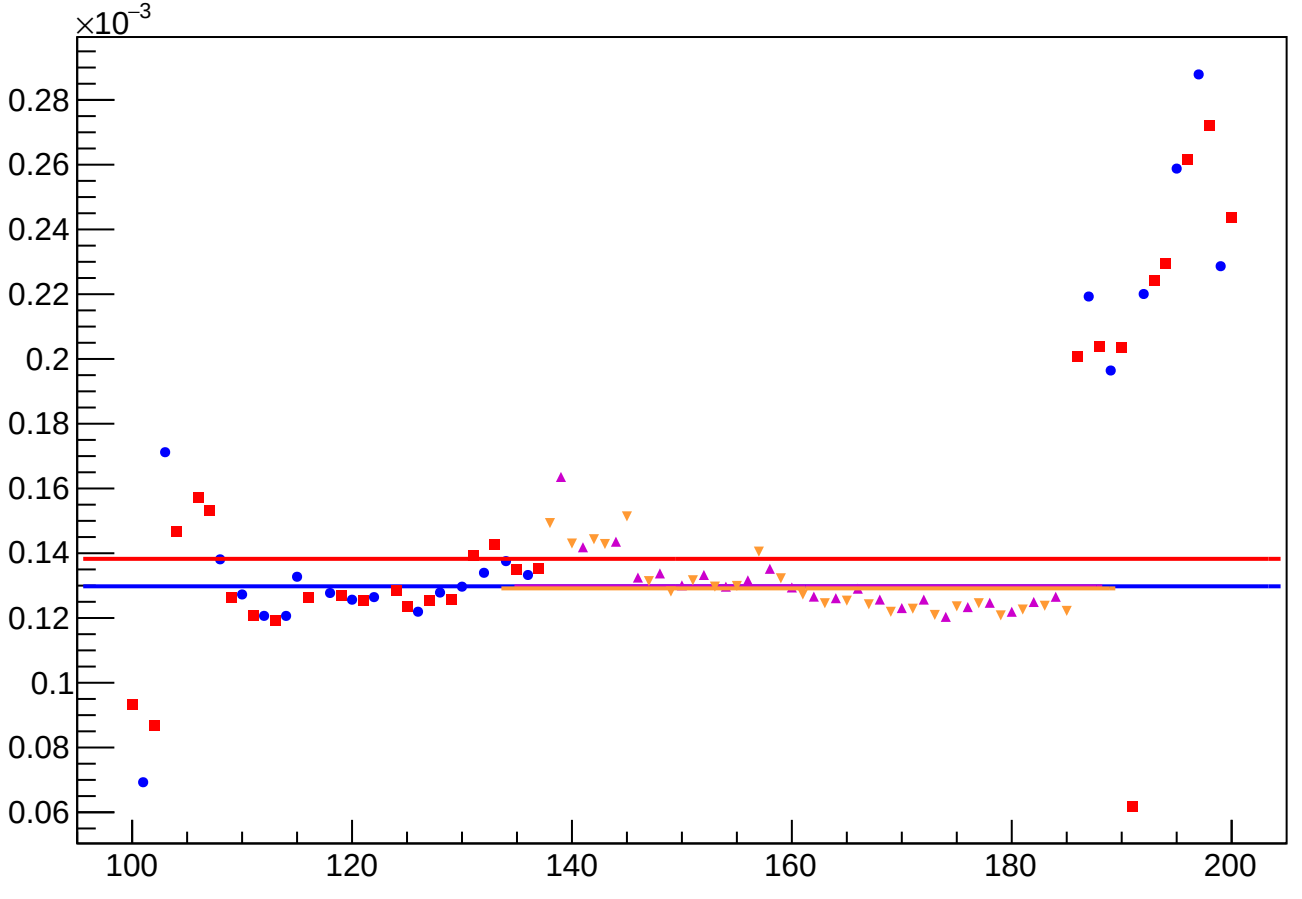
Right: 0.032+/-0.000 χ^2/NDF: 232603829471.1/49

In: 0.036+/-0.000 χ^2/NDF:139522859339.6/44

Out: 0.037+/-0.000 χ^2/NDF:126494508572.1/52

All: 0.037+/-0.000 χ^2/NDF: 266343913420.6

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2807436.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2912706.6/27

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

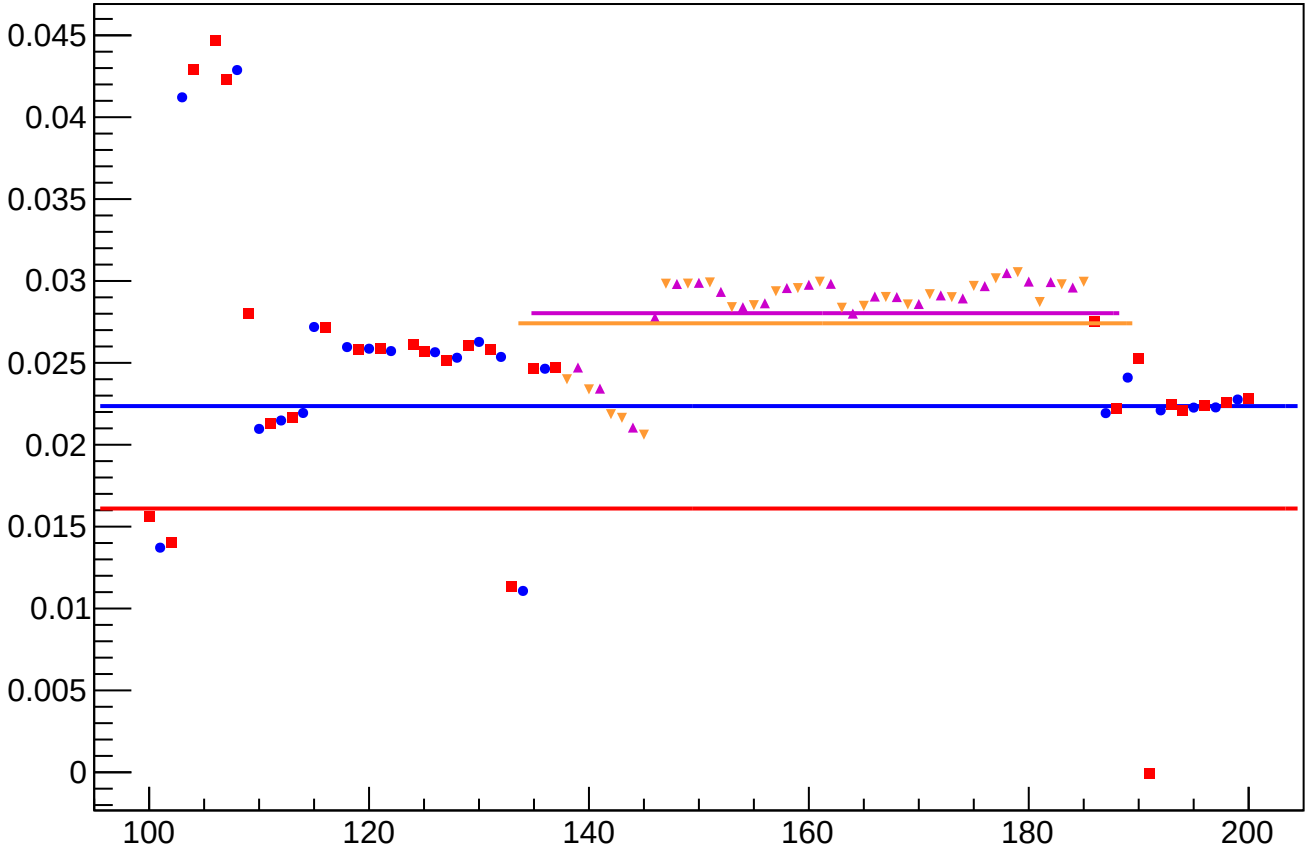
Right: 0.000+/-0.000 χ^2/NDF: 5762878.7/49

In: 0.000+/-0.000 χ^2/NDF:2949268.1/44

Out: 0.000+/-0.000 χ^2/NDF:3135898.1/52

All: 0.000+/-0.000 χ^2/NDF: 6096134.1/97

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024835408.5/21

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

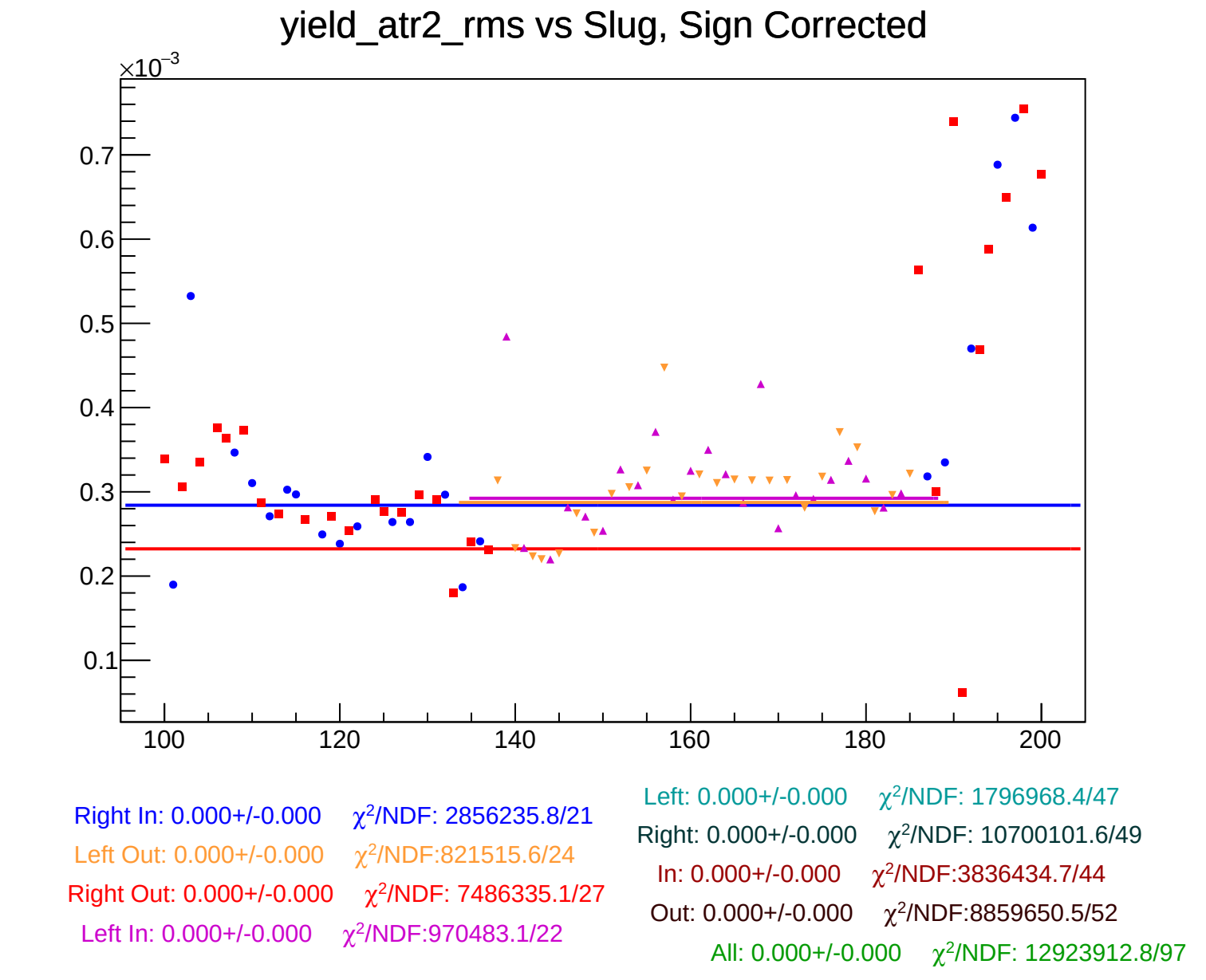
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 32703160732.0/49

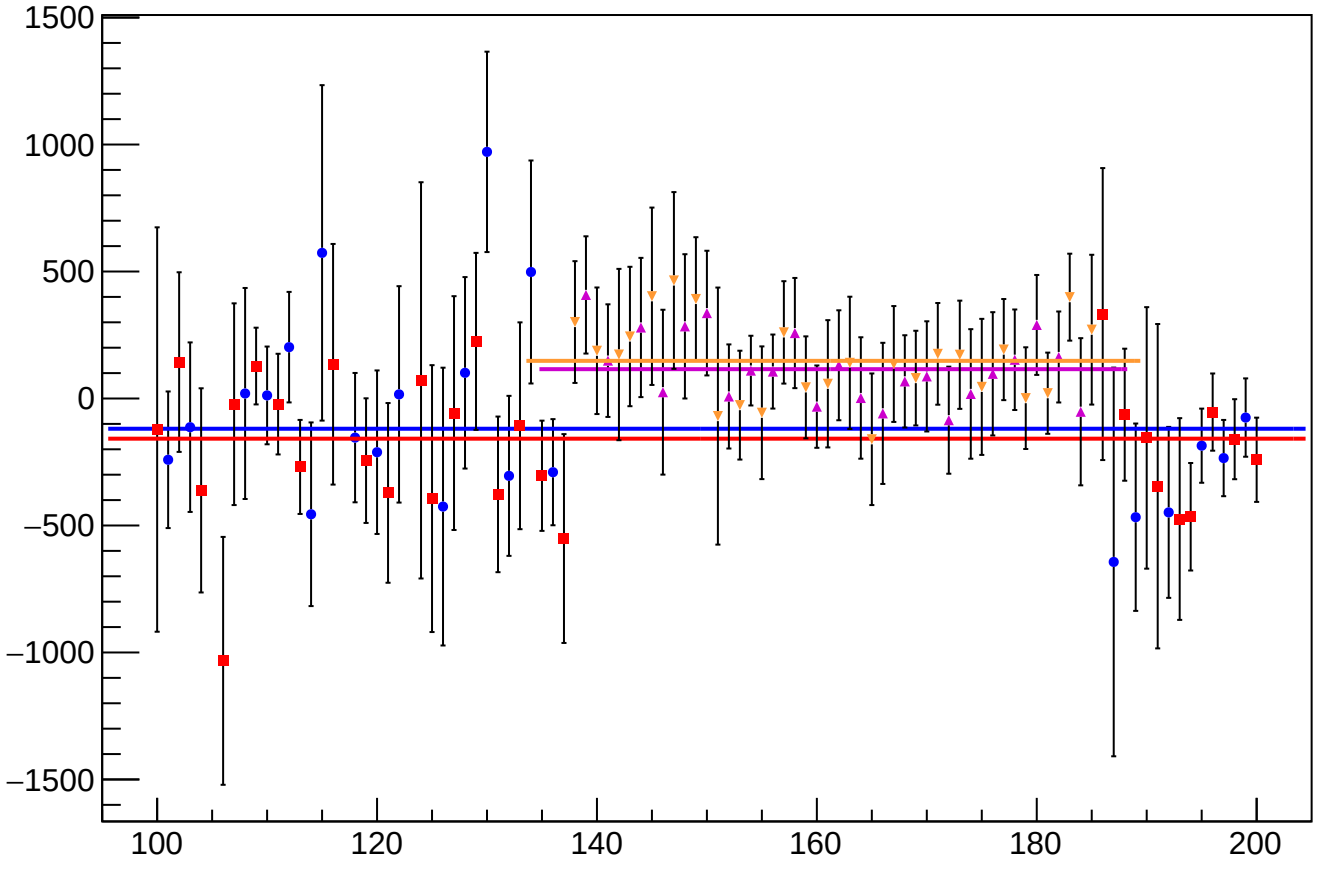
In: 0.026+/-0.000 χ^2/NDF:8809042923.4/44

Out: 0.022+/-0.000 χ^2/NDF:38950212977.1/52

All: 0.024+/-0.000 χ^2/NDF: 49787200666.0/9


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2856235.8/21
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: 10700101.6/49
In: 0.000+/-0.000 χ²/NDF:3836434.7/44
Out: 0.000+/-0.000 χ²/NDF:8859650.5/52
All: 0.000+/-0.000 χ²/NDF: 12923912.8/97

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

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

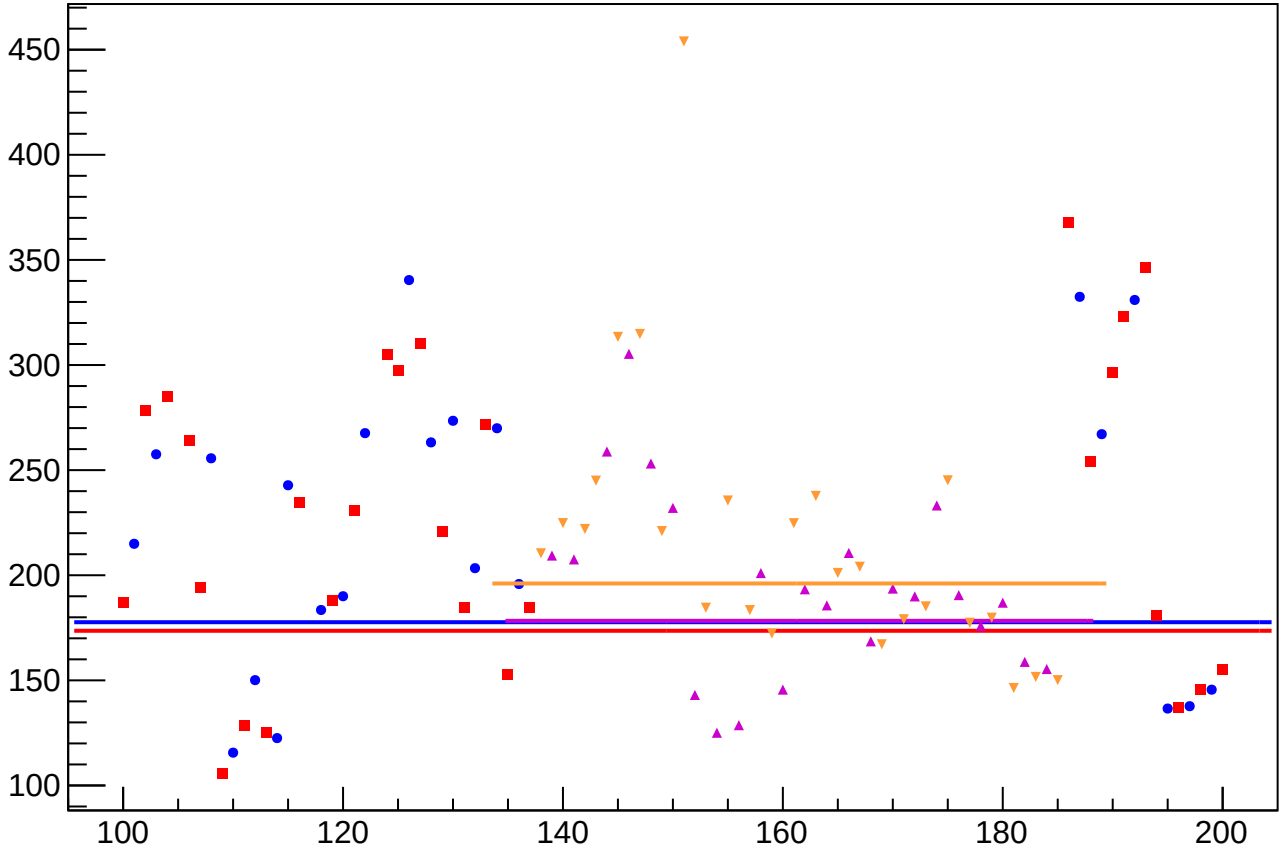
Right: -140.407+/-37.478 χ^2/NDF: 37.3/49

In: 26.268+/-34.294 χ^2/NDF:38.4/44

Out: 9.281+/-34.167 χ^2/NDF:47.8/52

All: 17.743+/-24.204 χ^2/NDF: 86.3/97

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

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

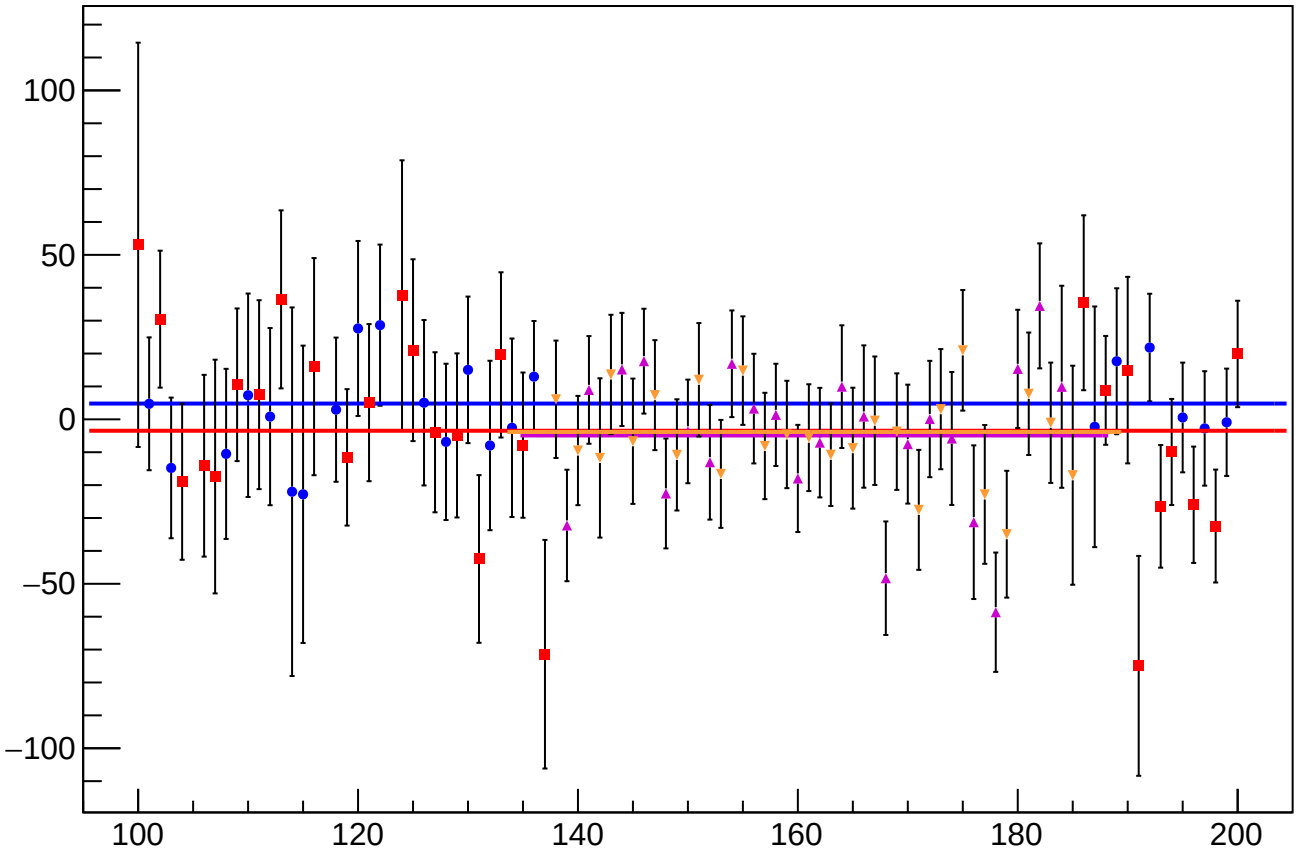
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 175.438+/-0.027 χ^2/NDF: 5031852.7/49

In: 178.068+/-0.024 χ^2/NDF:3816723.6/44

Out: 185.882+/-0.024 χ^2/NDF:4921247.5/52

All: 181.990+/-0.017 χ^2/NDF: 8790070.1/97



Right In: 4.796+/-4.799 χ^2/NDF: 6.3/21

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

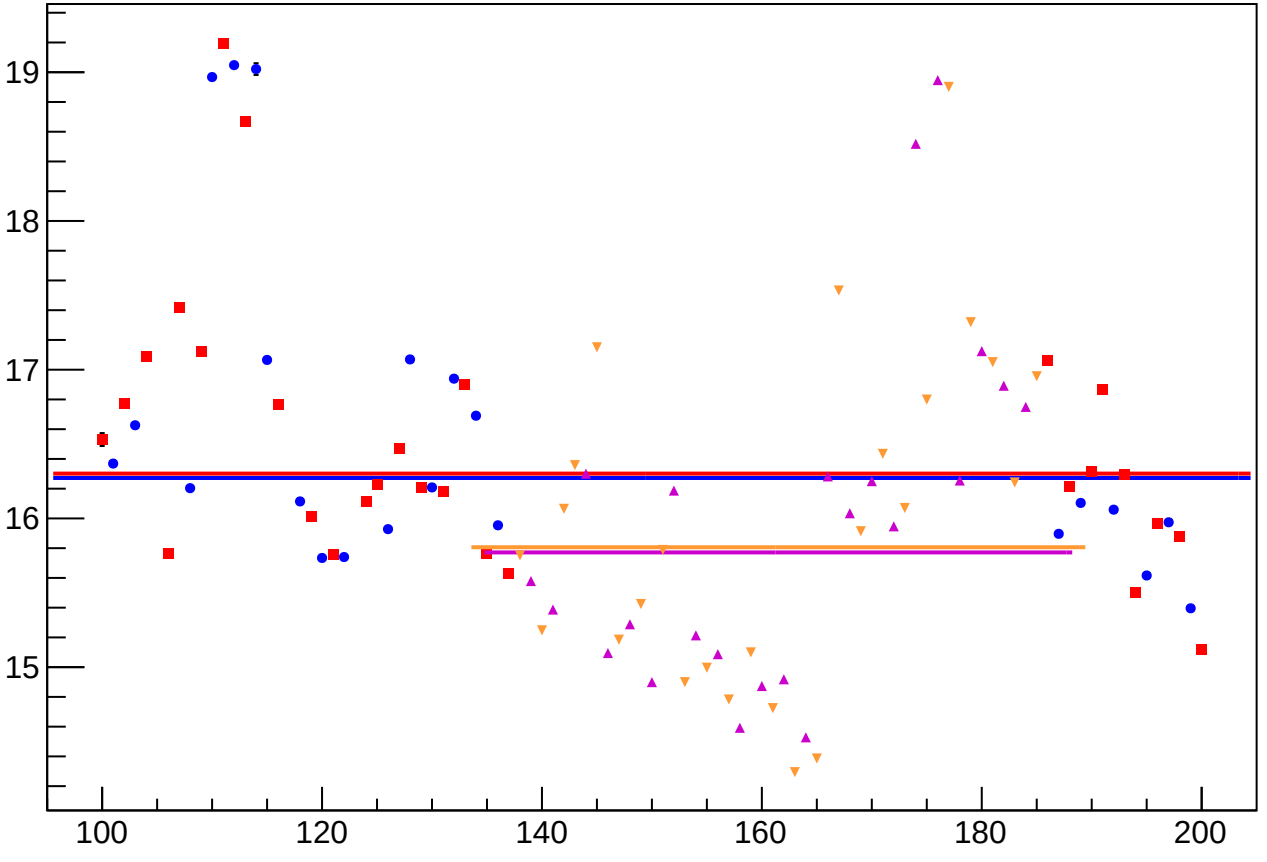
Right: 0.315+/-3.247 χ^2/NDF: 40.2/49

In: -1.293+/-2.928 χ^2/NDF:42.8/44

Out: -3.688+/-2.790 χ^2/NDF:45.2/52

All: -2.548+/-2.020 χ^2/NDF: 88.3/97

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.272+/-0.003 χ^2/NDF: 59622.0/21

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

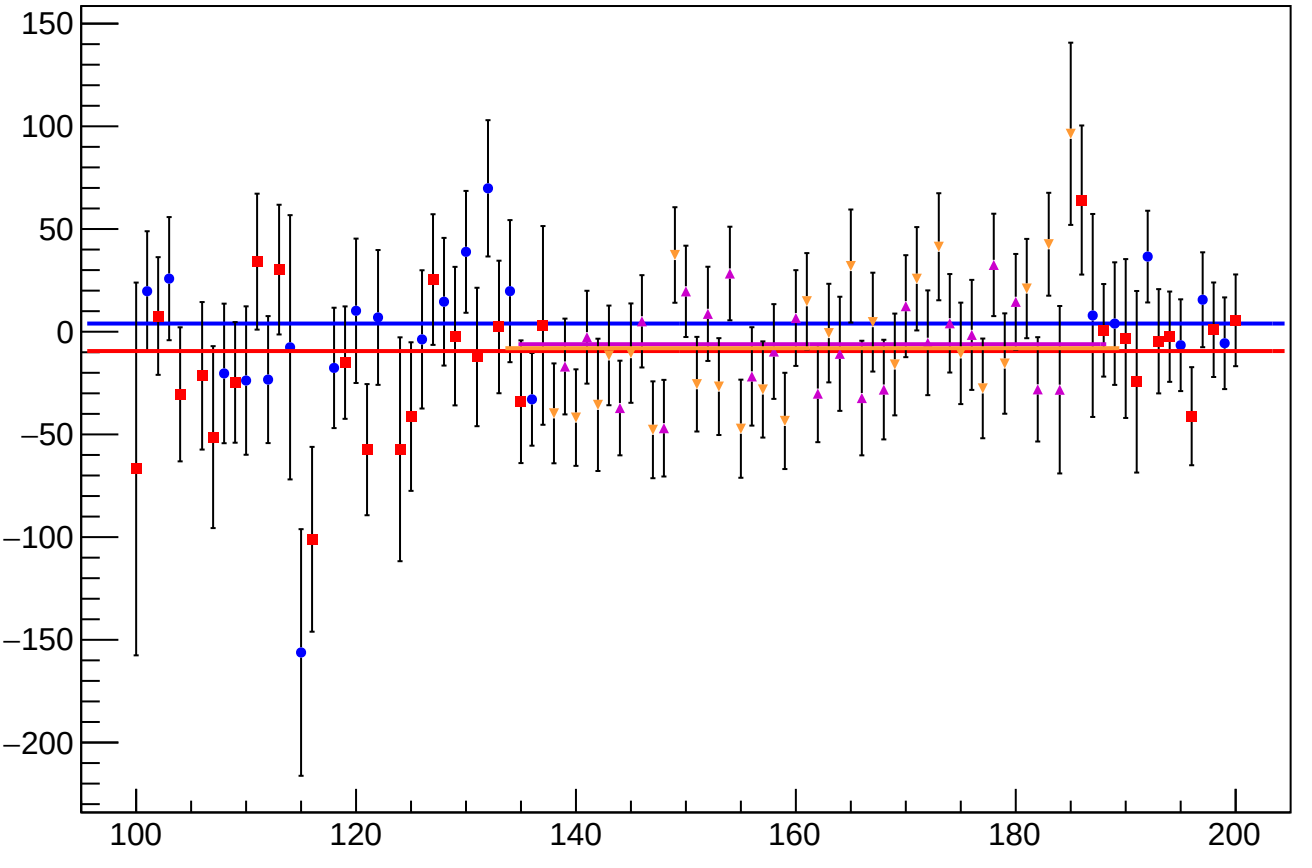
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.288+/-0.002 χ^2/NDF: 128610.6/49

In: 15.958+/-0.002 χ^2/NDF:225419.3/44

Out: 16.004+/-0.002 χ^2/NDF:256717.4/52

All: 15.982+/-0.001 χ^2/NDF: 482403.6/97



Right In: 3.977+/-6.379 χ^2/NDF: 21.6/21

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

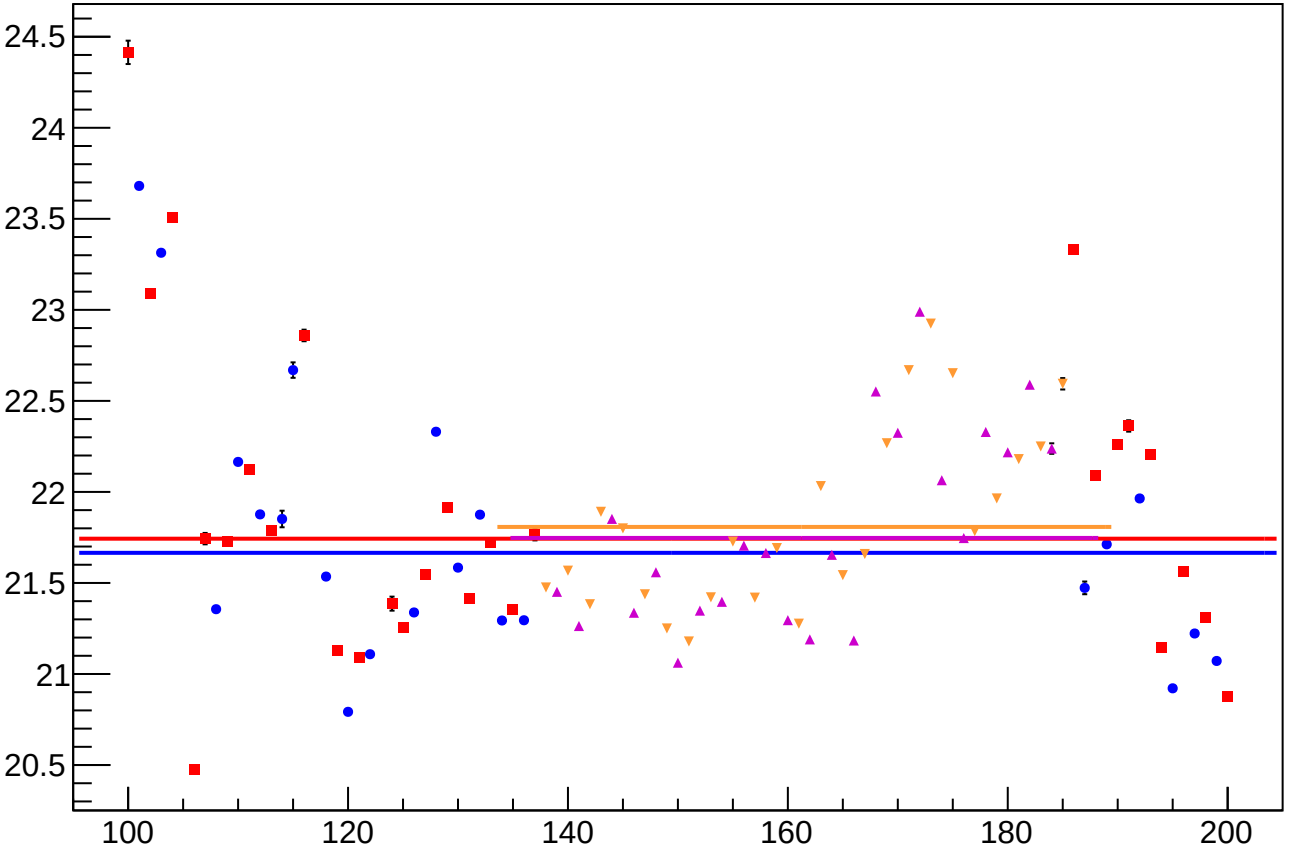
Right: -3.272+/-4.321 χ^2/NDF: 46.9/49

In: -2.181+/-3.974 χ^2/NDF:41.0/44

Out: -8.598+/-3.788 χ^2/NDF:61.8/52

All: -5.544+/-2.742 χ^2/NDF: 104.1/97

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.665+/-0.005 χ^2/NDF: 25372.6/21

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

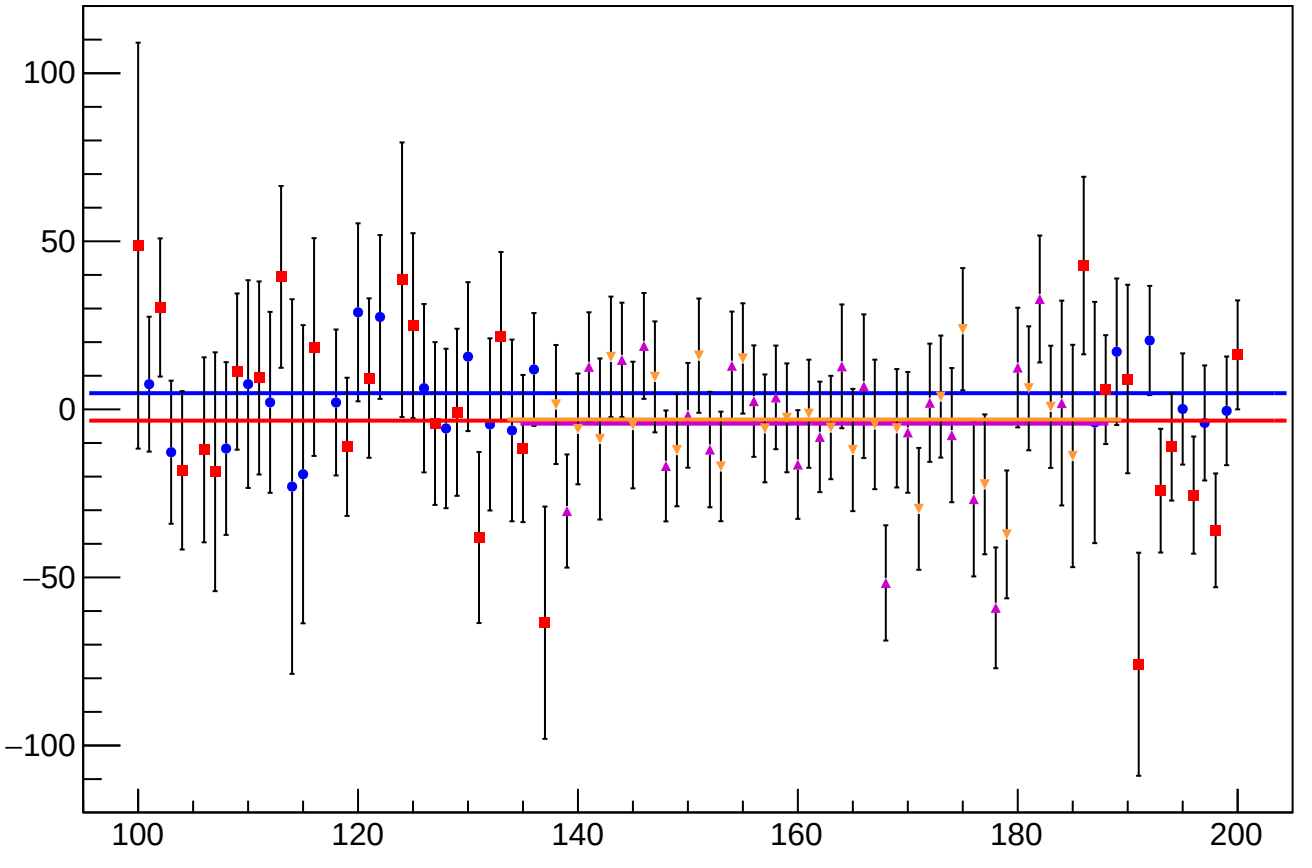
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.707+/-0.003 χ^2/NDF: 55513.2/49

In: 21.716+/-0.003 χ^2/NDF:46134.8/44

Out: 21.781+/-0.003 χ^2/NDF:47682.5/52

All: 21.750+/-0.002 χ^2/NDF: 94100.5/97



Right In: 4.818+/-4.761 χ^2/NDF: 6.1/21

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

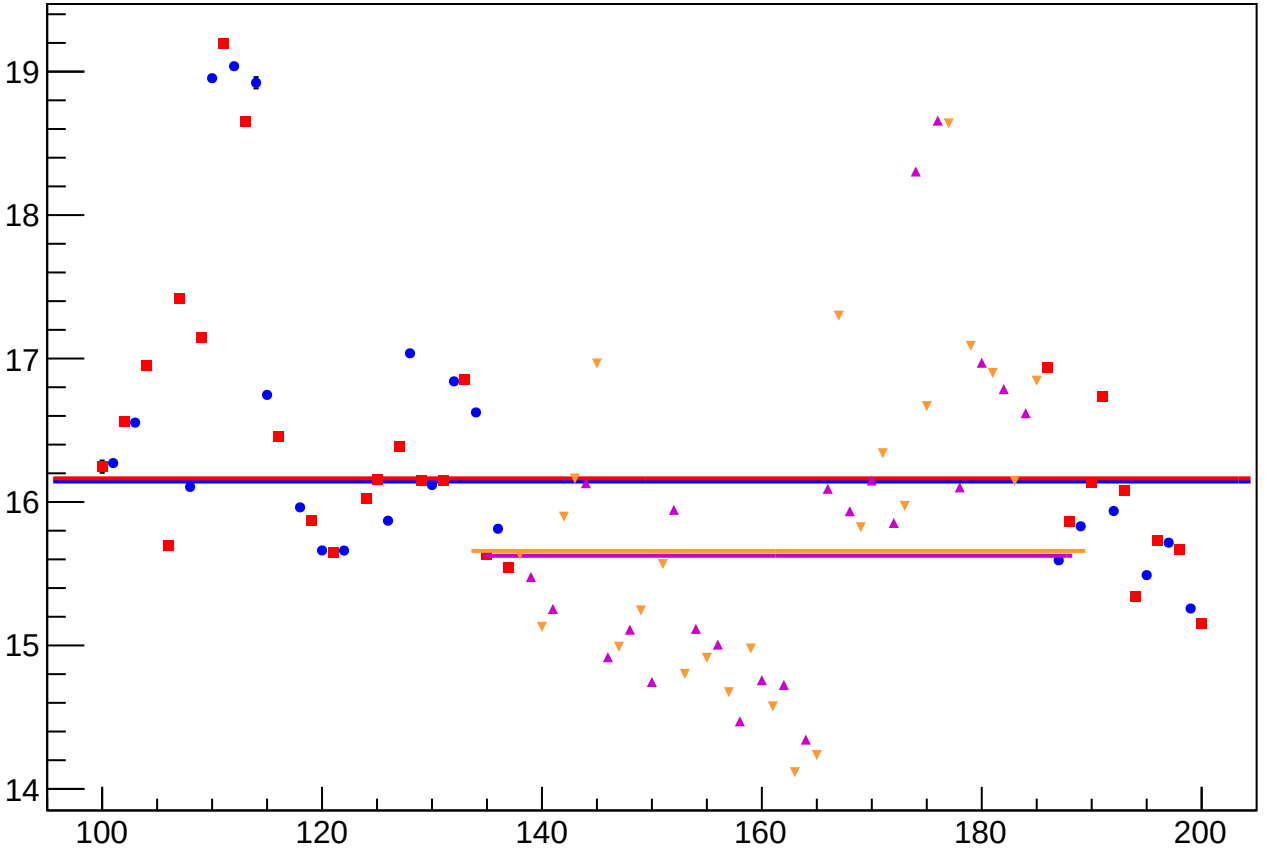
Right: 0.386+/-3.221 χ^2/NDF: 40.5/49

In: -0.881+/-2.902 χ^2/NDF:42.2/44

Out: -3.142+/-2.765 χ^2/NDF:47.5/52

All: -2.066+/-2.002 χ^2/NDF: 90.0/97

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.143+/-0.003 χ^2/NDF: 64956.3/21

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

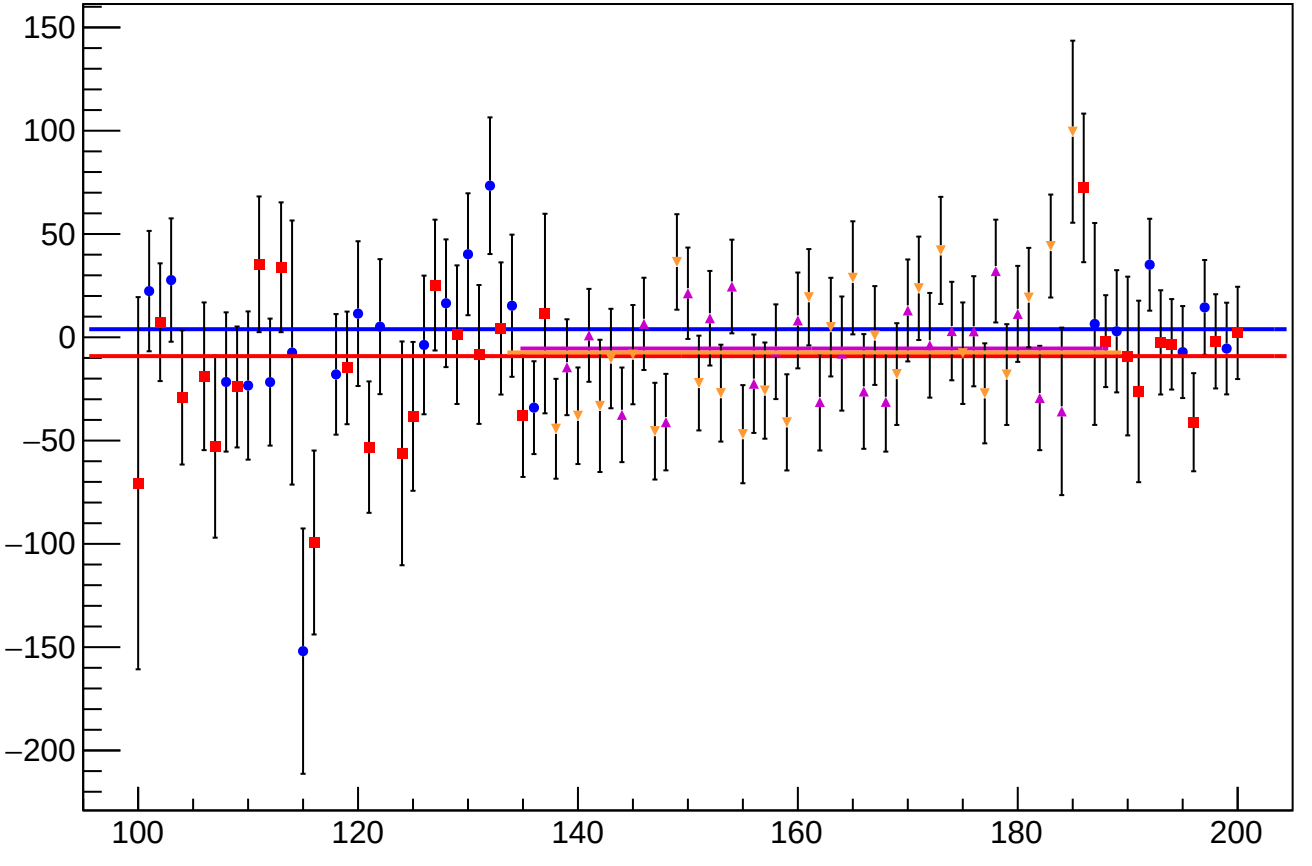
Right: 16.155+/-0.002 χ^2/NDF: 137907.1/49

In: 15.817+/-0.002 χ^2/NDF:230252.7/44

Out: 15.861+/-0.002 χ^2/NDF:258827.0/52

All: 15.840+/-0.001 χ^2/NDF: 489317.7/97

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.915+/-6.348 χ^2/NDF: 22.1/21

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

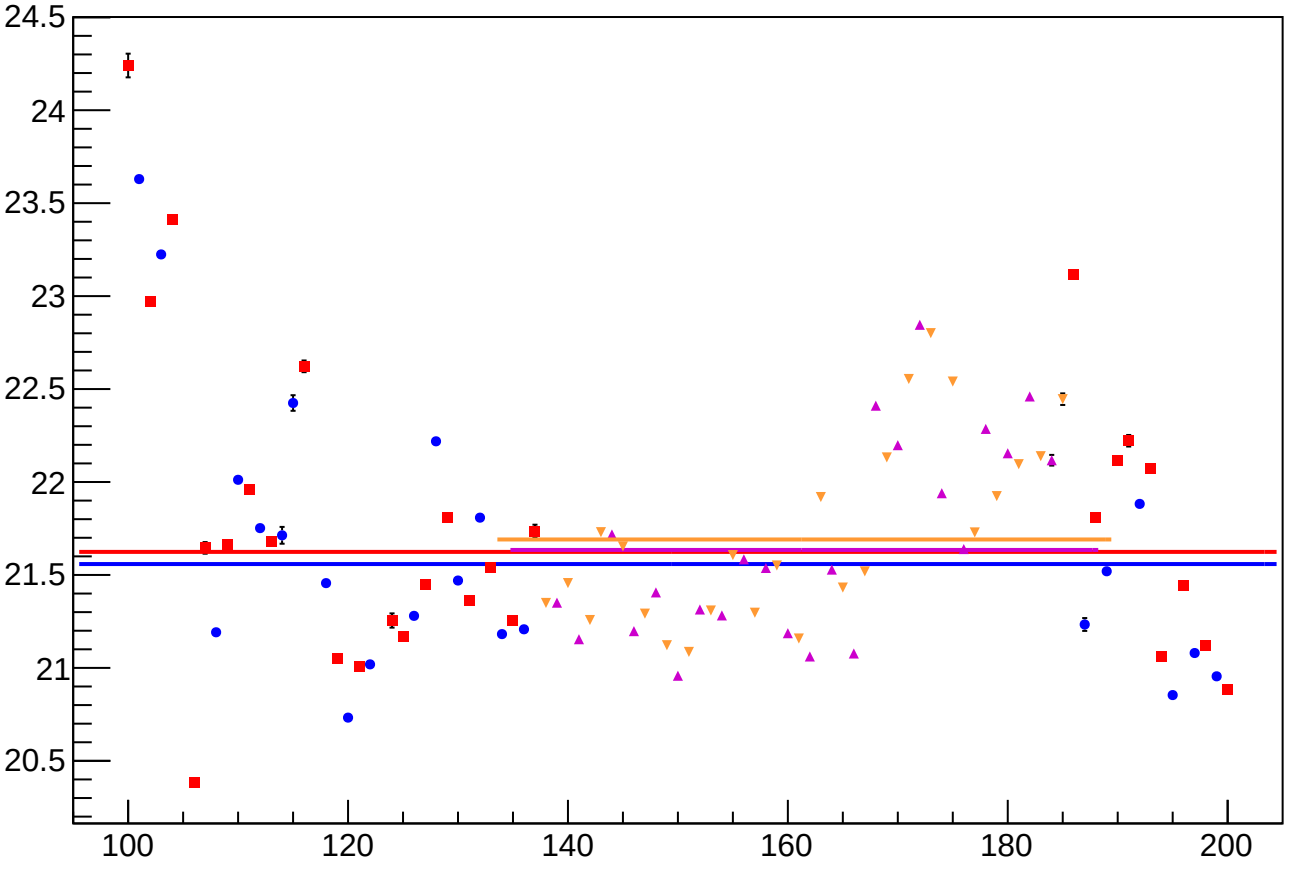
Right: -3.142+/-4.298 χ^2/NDF: 48.3/49

In: -1.808+/-3.954 χ^2/NDF:40.7/44

Out: -8.067+/-3.767 χ^2/NDF:62.6/52

All: -5.088+/-2.727 χ^2/NDF: 104.6/97

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.559+/-0.004 χ^2/NDF: 25857.7/21

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

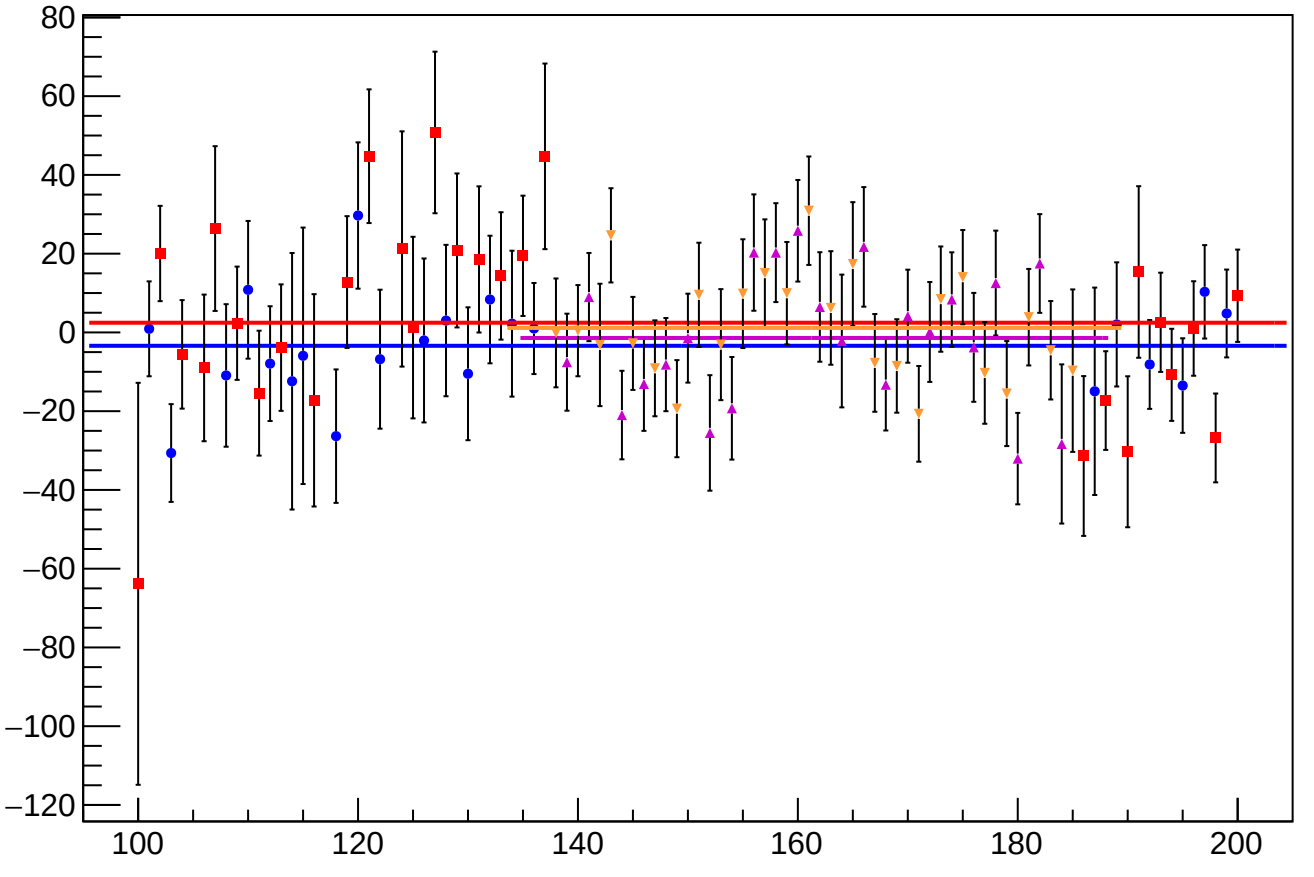
Right: 21.594+/-0.003 χ^2/NDF: 53956.7/49

In: 21.605+/-0.003 χ^2/NDF:46594.1/44

Out: 21.663+/-0.003 χ^2/NDF:46071.6/52

All: 21.635+/-0.002 χ^2/NDF: 92891.4/97

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

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

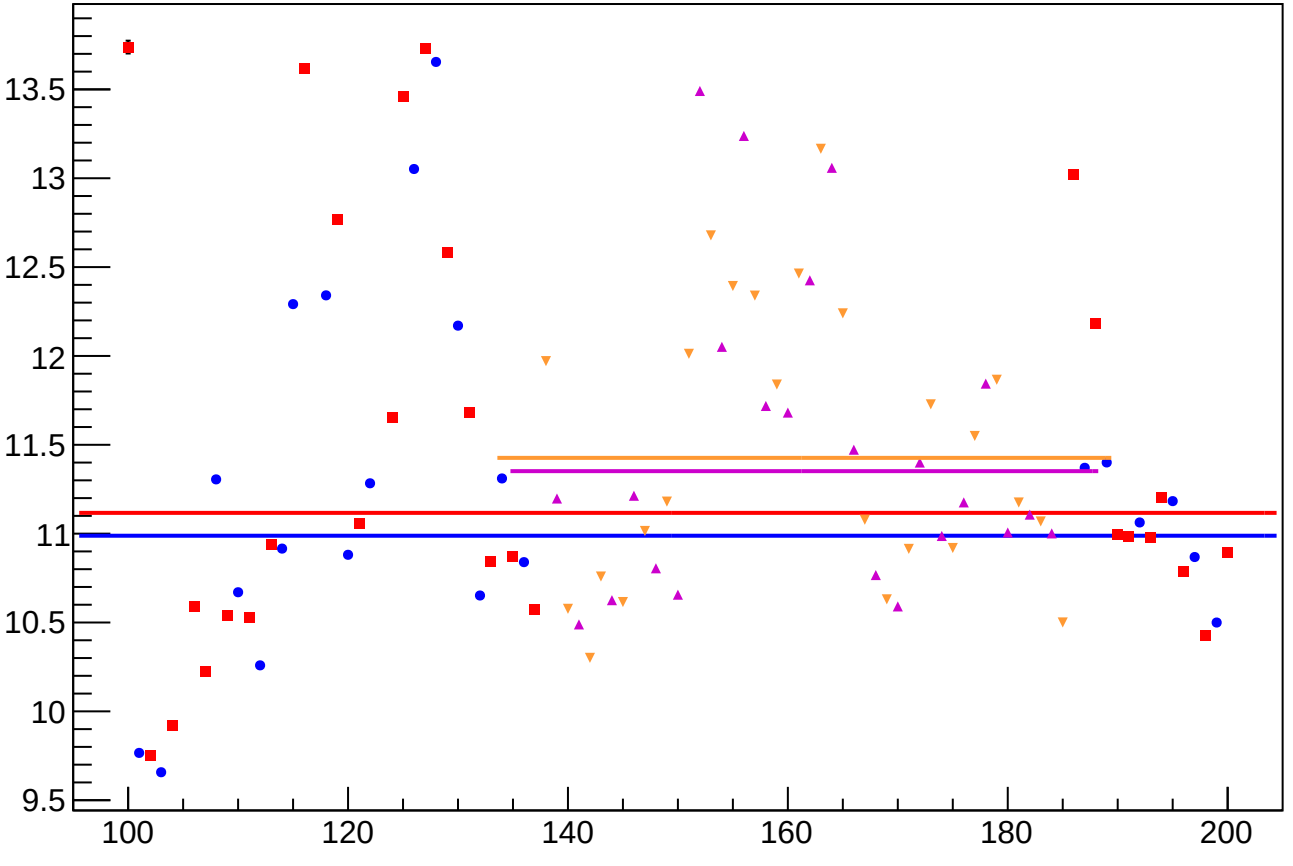
Right: -0.251+/-2.220 χ^2/NDF: 60.7/49

In: -2.206+/-2.068 χ^2/NDF:51.7/44

Out: 1.705+/-1.982 χ^2/NDF:68.5/52

All: -0.168+/-1.431 χ^2/NDF: 122.0/97

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

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

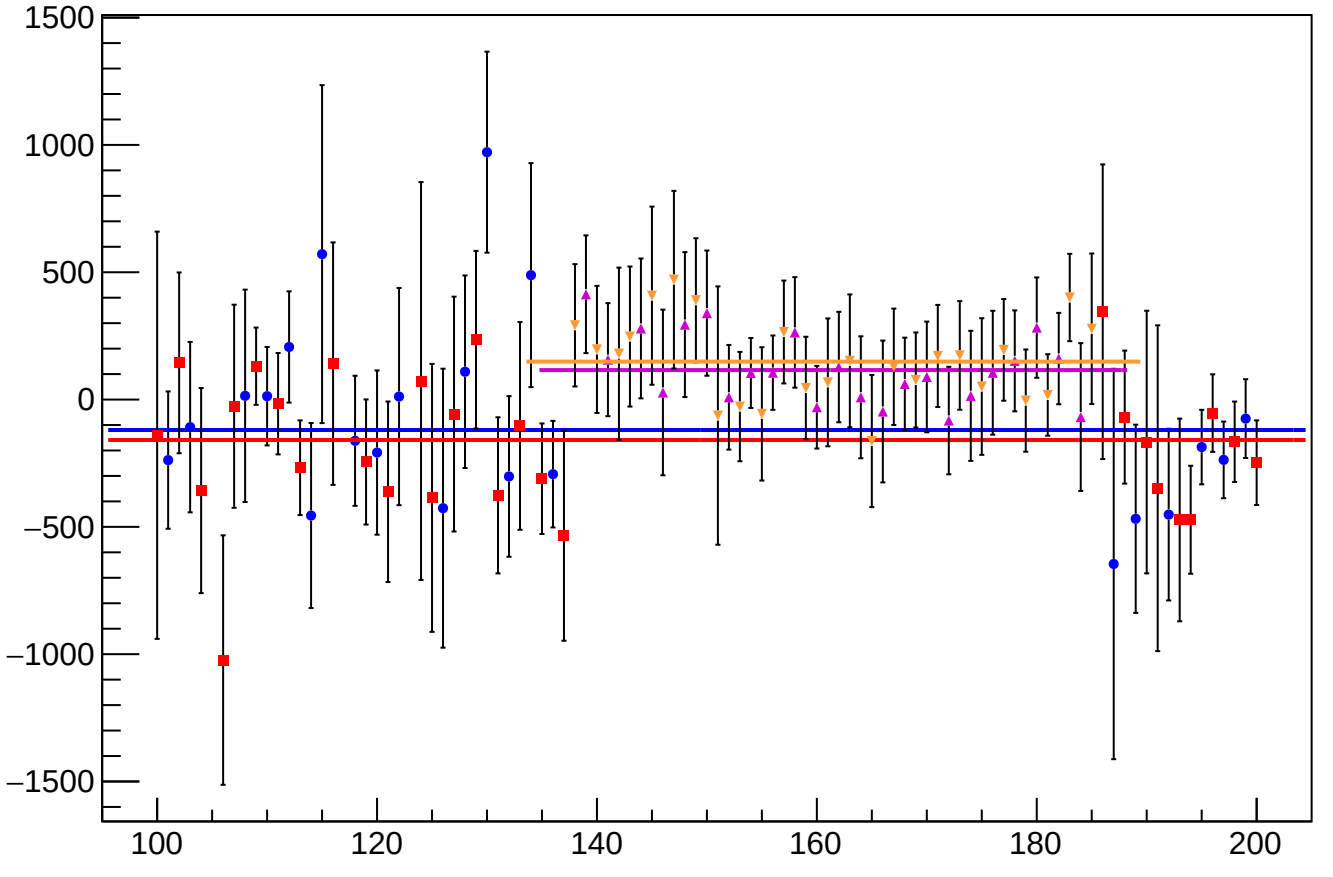
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.057+/-0.002 χ^2/NDF: 349610.8/49

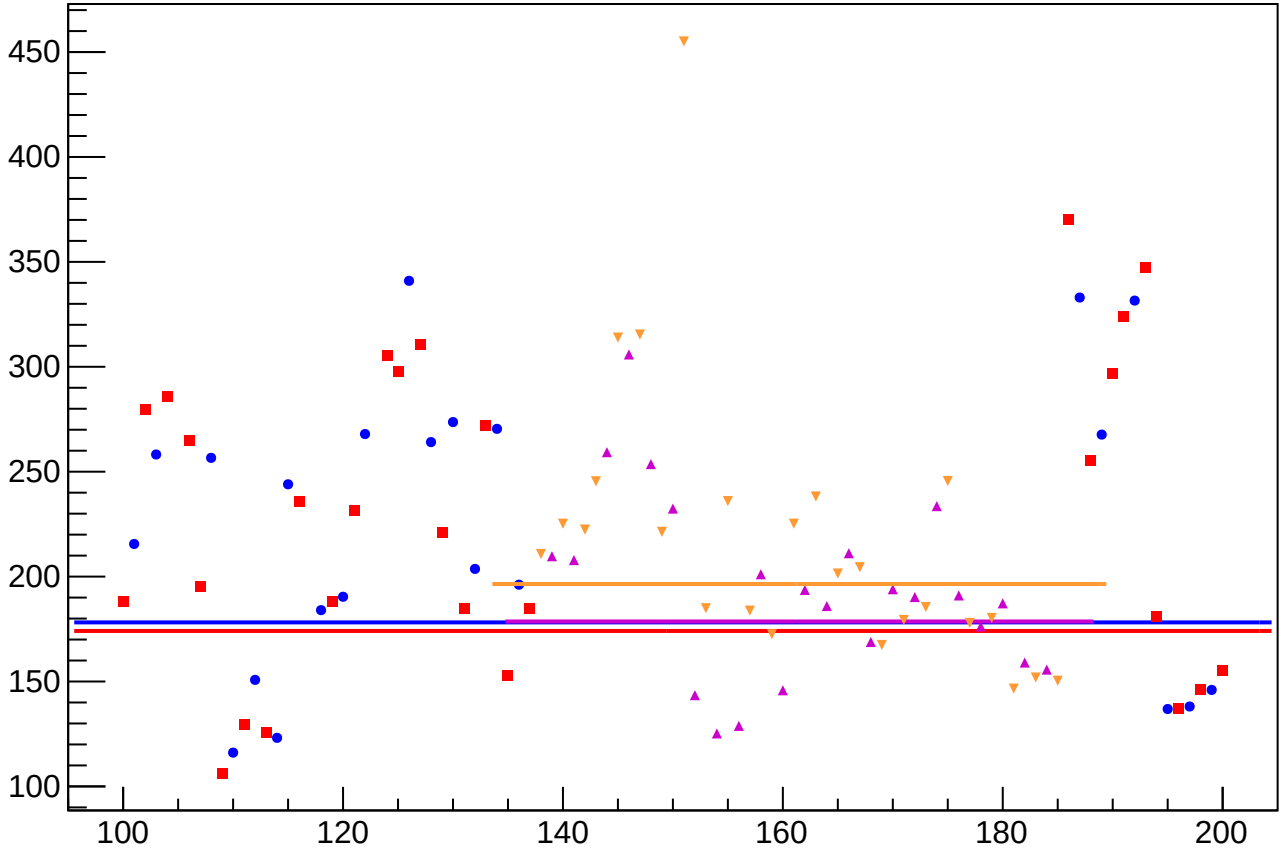
In: 11.206+/-0.001 χ^2/NDF:328027.4/44

Out: 11.294+/-0.001 χ^2/NDF:374241.5/52

All: 11.252+/-0.001 χ^2/NDF: 704175.7/97


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -119.584+/-55.756 χ²/NDF: 19.6/21
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: -158.766+/-50.877 χ²/NDF: 17.5/27
Left In: 115.709+/-43.641 χ²/NDF:7.8/22
Left: 131.325+/-31.759 χ²/NDF: 18.6/47
Right: -140.964+/-37.582 χ²/NDF: 37.4/49
In: 26.322+/-34.366 χ²/NDF:38.5/44
Out: 9.508+/-34.246 χ²/NDF:48.0/52
All: 17.886+/-24.258 χ²/NDF: 86.6/97

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

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

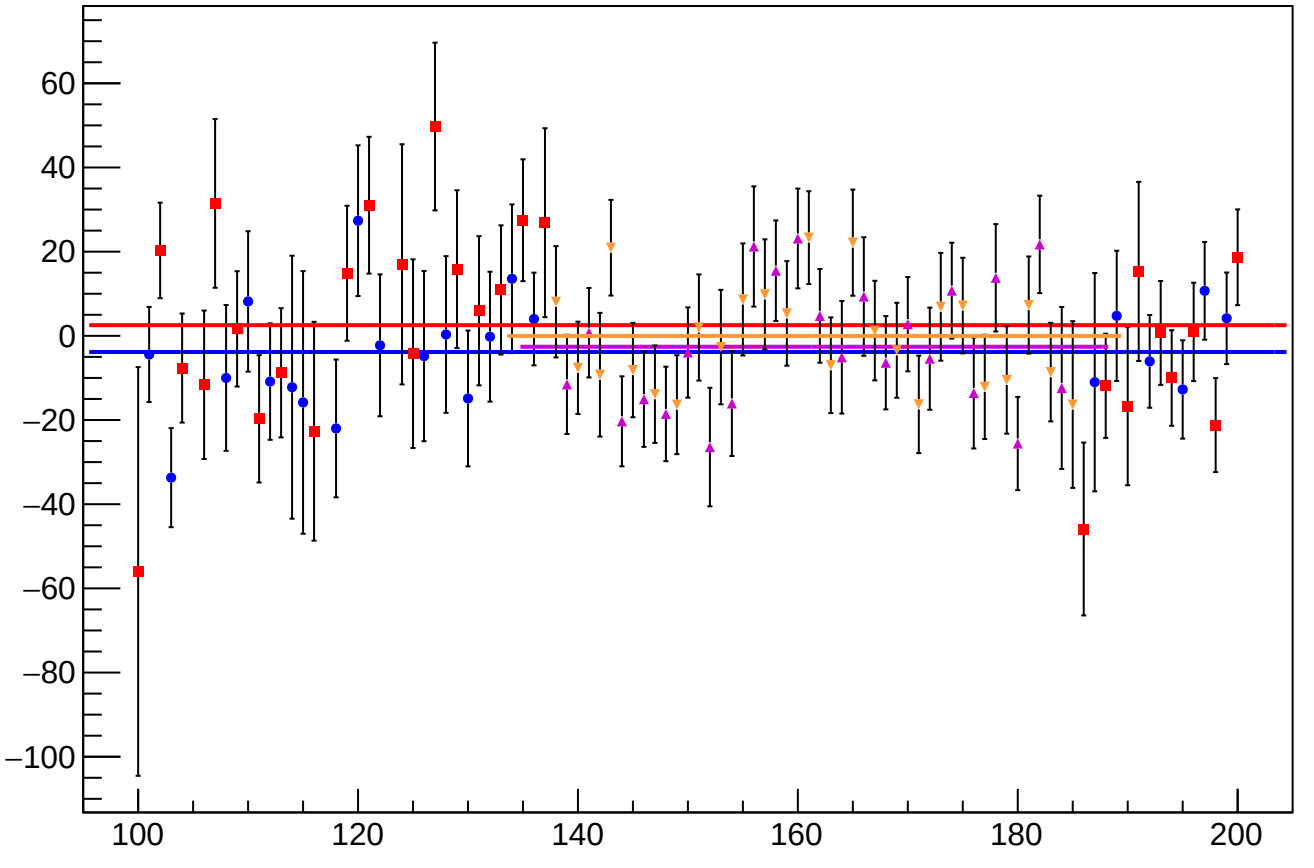
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 175.947+/-0.027 χ^2/NDF: 5022447.8/49

In: 178.447+/-0.024 χ^2/NDF:3811268.5/44

Out: 186.322+/-0.024 χ^2/NDF:4914339.6/52

All: 182.399+/-0.017 χ^2/NDF: 8778304.0/97



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

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

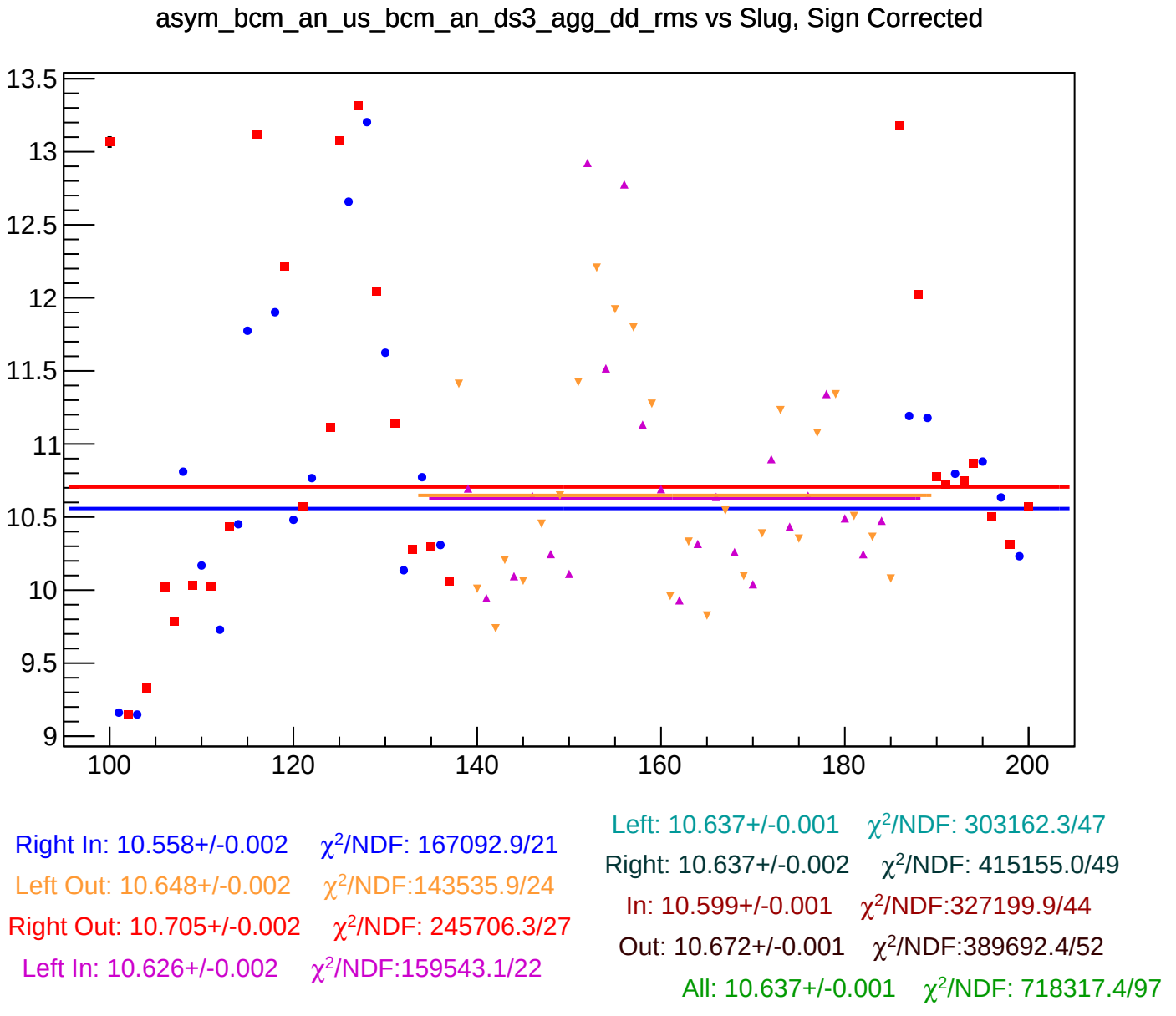
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.425+/-2.139 χ^2/NDF: 60.8/49

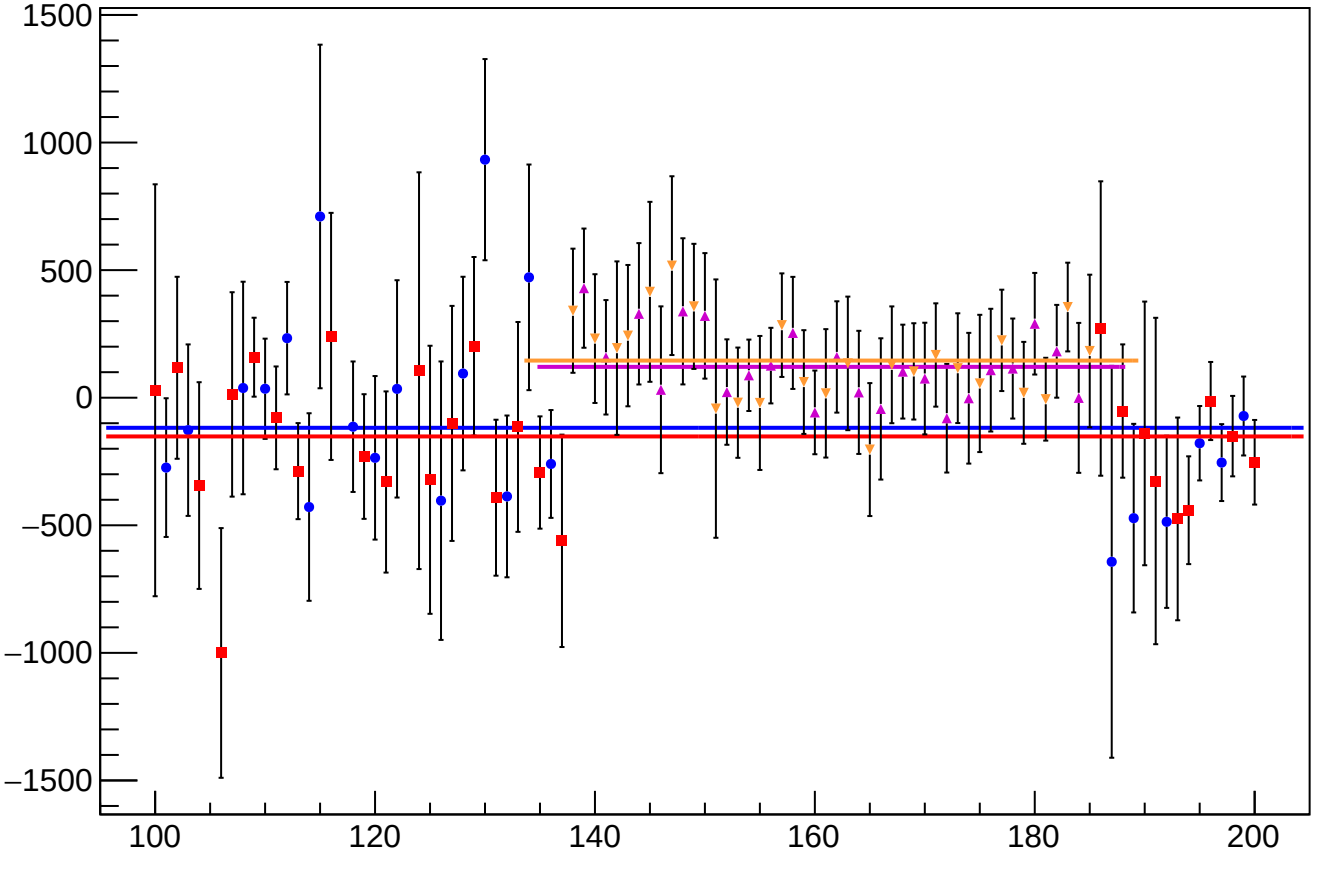
In: -3.077+/-1.958 χ^2/NDF:51.9/44

Out: 1.034+/-1.875 χ^2/NDF:65.8/52

All: -0.933+/-1.354 χ^2/NDF: 120.0/97


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
120
140
160
180
200
Right In: 10.558+/-0.002 χ2/NDF: 167092.9/21
Left Out: 10.648+/-0.002 χ2/NDF:143535.9/24
Right Out: 10.705+/-0.002 χ2/NDF: 245706.3/27
Left In: 10.626+/-0.002 χ2/NDF:159543.1/22
Left: 10.637+/-0.001 χ2/NDF: 303162.3/47
Right: 10.637+/-0.002 χ2/NDF: 415155.0/49
In: 10.599+/-0.001 χ2/NDF:327199.9/44
Out: 10.672+/-0.001 χ2/NDF:389692.4/52
All: 10.637+/-0.001 χ2/NDF: 718317.4/97

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

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

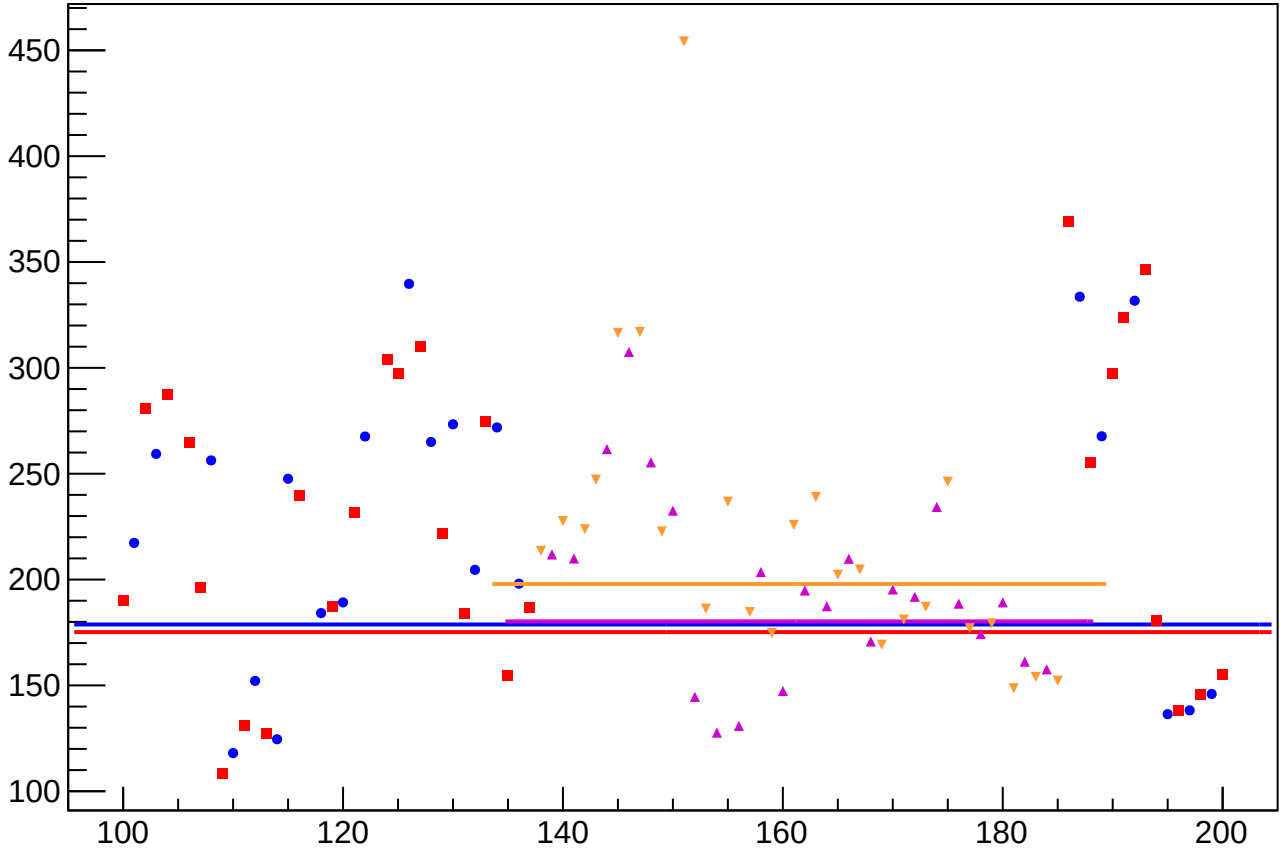
Right: -136.382+/-37.733 χ^2/NDF: 38.1/49

In: 29.596+/-34.577 χ^2/NDF:39.9/44

Out: 10.557+/-34.444 χ^2/NDF:46.2/52

All: 20.040+/-24.403 χ^2/NDF: 86.3/97

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

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

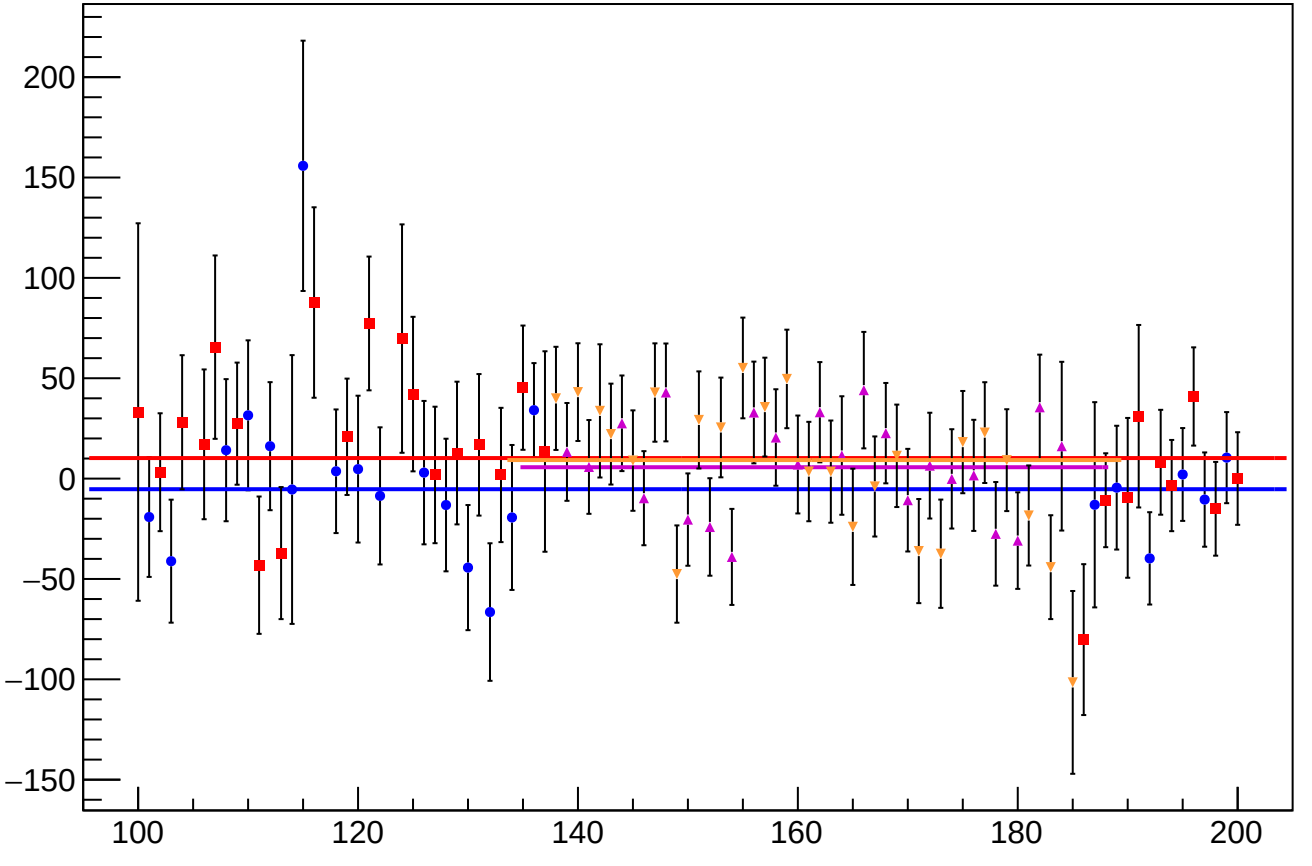
Right: 176.819+/-0.027 χ^2/NDF: 4951002.4/49

In: 179.686+/-0.024 χ^2/NDF:3750536.1/44

Out: 187.581+/-0.024 χ^2/NDF:4828932.0/52

All: 183.649+/-0.017 χ^2/NDF: 8631798.4/97

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

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

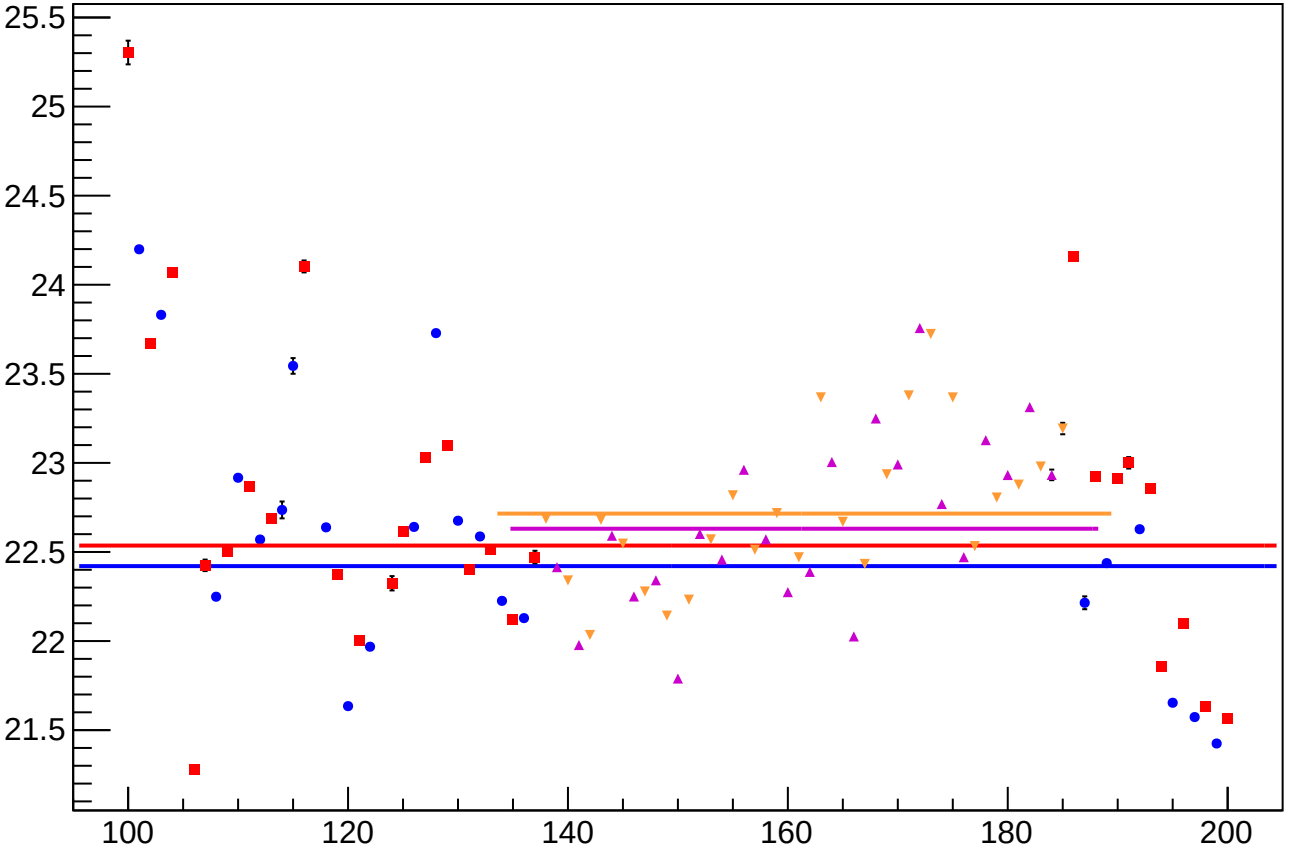
Right: 3.102+/-4.476 χ^2/NDF: 51.1/49

In: 1.390+/-4.127 χ^2/NDF:43.4/44

Out: 9.652+/-3.937 χ^2/NDF:66.6/52

All: 5.714+/-2.849 χ^2/NDF: 112.1/97

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

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

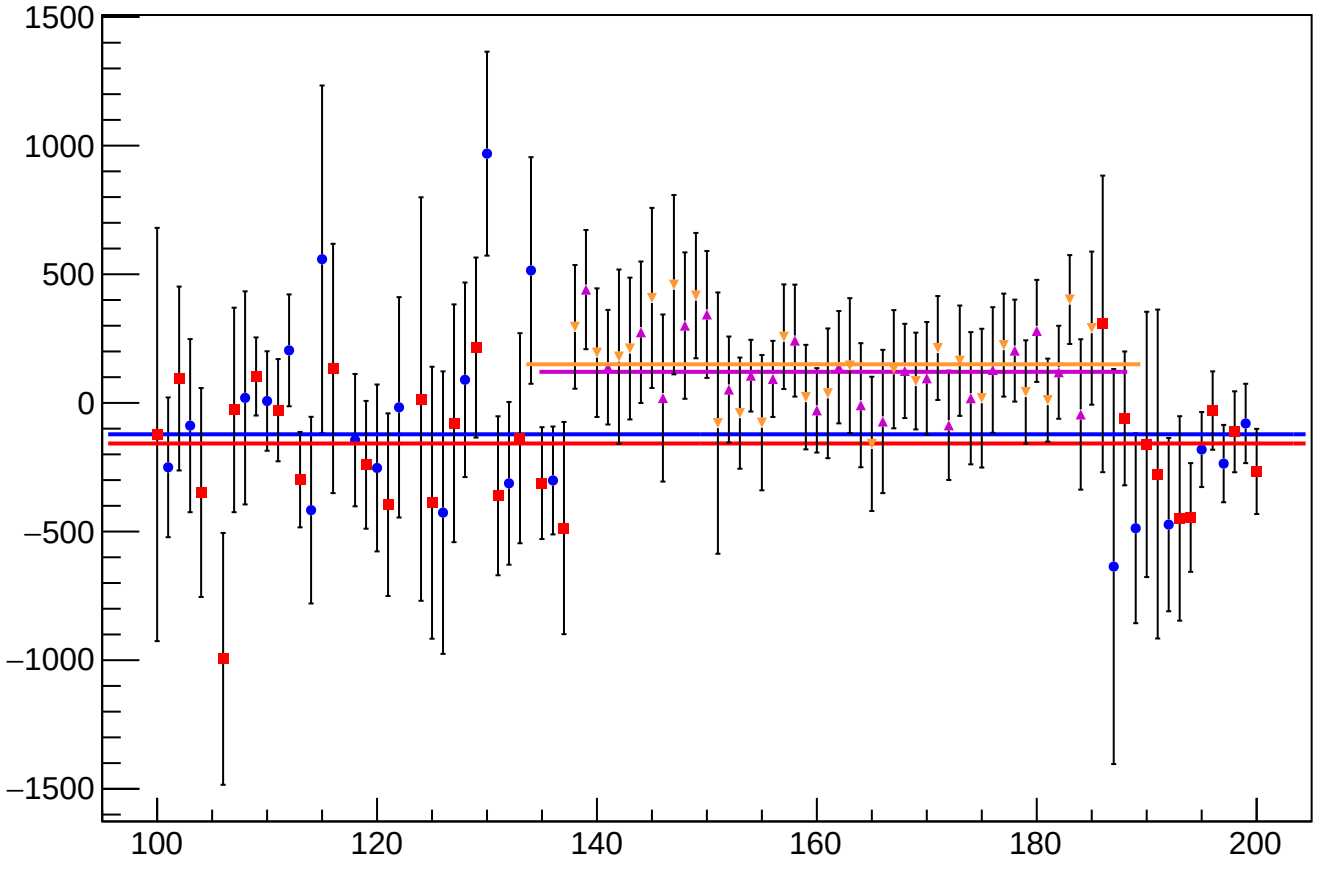
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.483+/-0.003 χ^2/NDF: 56260.2/49

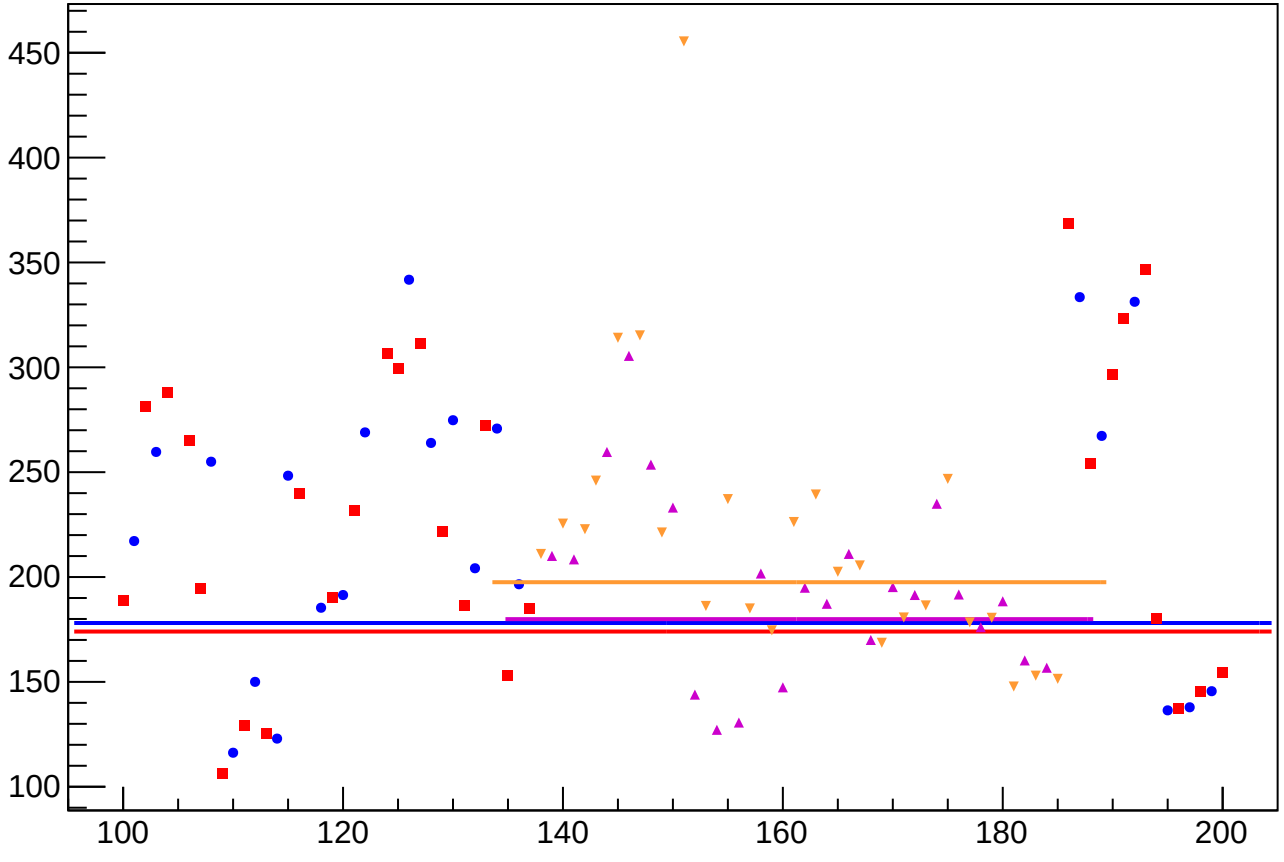
In: 22.549+/-0.003 χ^2/NDF:43083.6/44

Out: 22.640+/-0.003 χ^2/NDF:42661.9/52

All: 22.597+/-0.002 χ^2/NDF: 86264.3/97


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -121.969+/-55.751 χ²/NDF: 19.7/21
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -157.642+/-50.864 χ²/NDF: 16.0/27
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -141.437+/-37.575 χ²/NDF: 35.9/49
In: 27.808+/-34.500 χ²/NDF:39.2/44
Out: 9.944+/-34.334 χ²/NDF:46.9/52
All: 18.833+/-24.336 χ²/NDF: 86.3/97

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

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

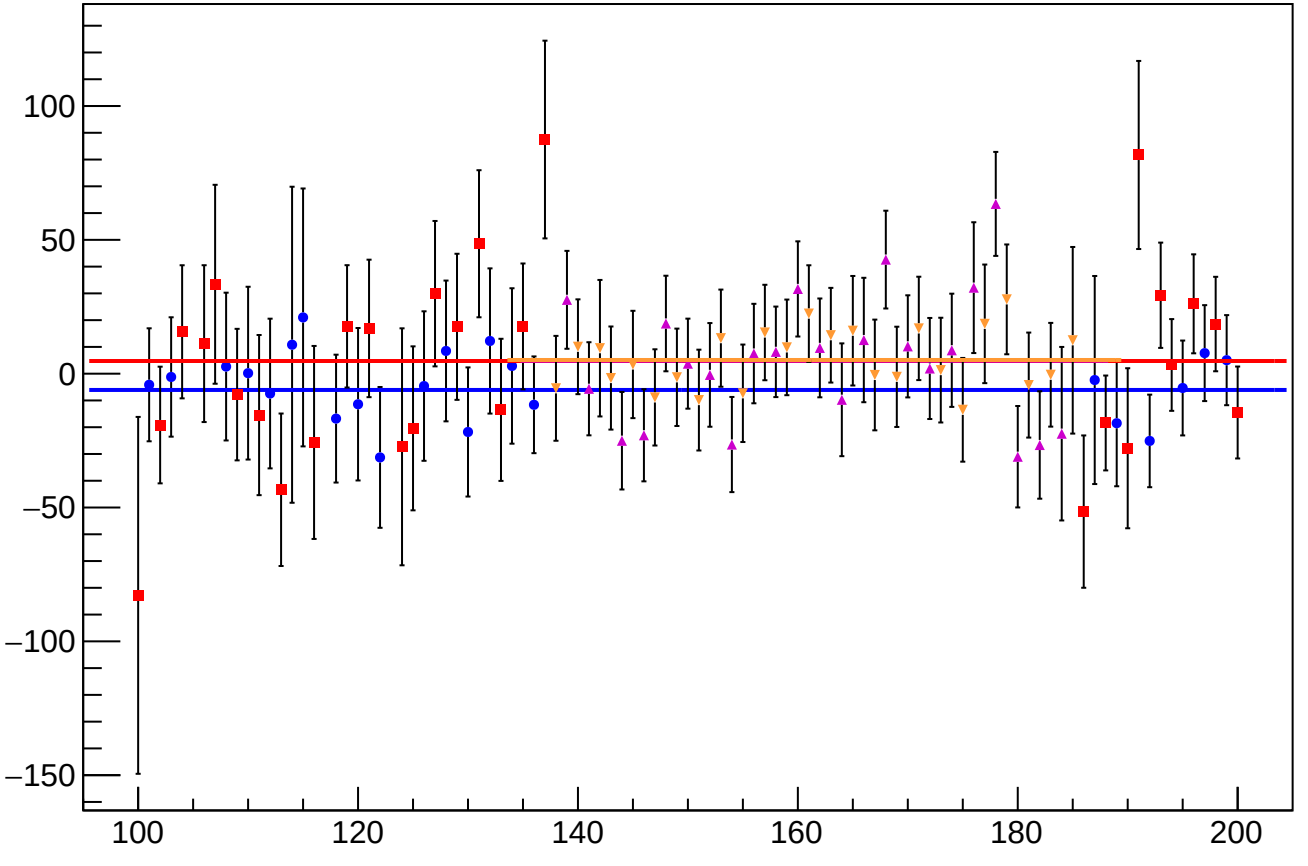
Right: 175.856+/-0.027 χ^2/NDF: 5061709.9/49

In: 179.218+/-0.024 χ^2/NDF:3779337.7/44

Out: 186.813+/-0.024 χ^2/NDF:4924918.5/52

All: 183.034+/-0.017 χ^2/NDF: 8752952.3/97

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

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

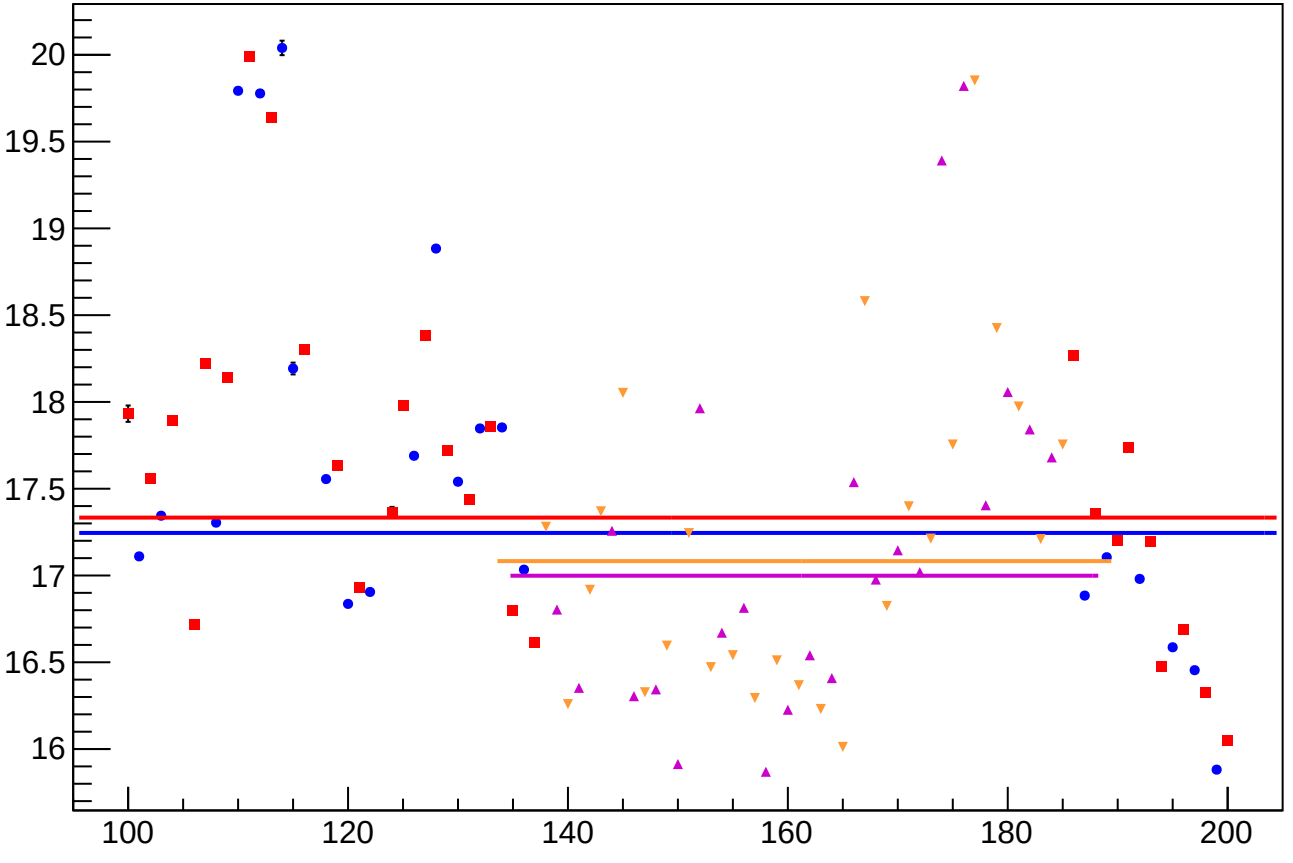
Right: -0.233+/-3.448 χ^2/NDF: 43.7/49

In: 0.704+/-3.135 χ^2/NDF:44.0/44

Out: 4.964+/-2.994 χ^2/NDF:43.5/52

All: 2.931+/-2.165 χ^2/NDF: 88.5/97

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

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

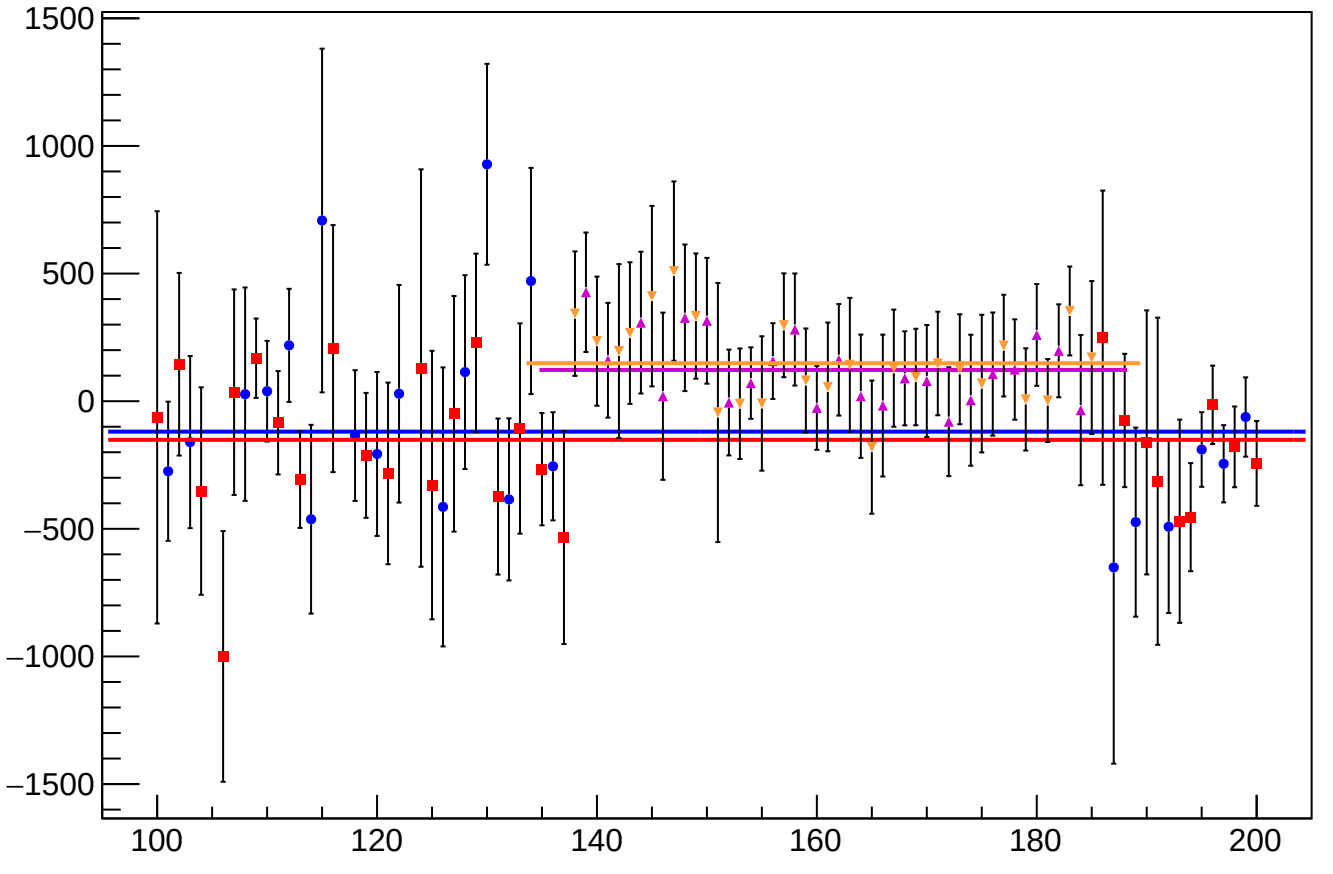
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.293+/-0.002 χ^2/NDF: 138130.9/49

In: 17.092+/-0.002 χ^2/NDF:173481.8/44

Out: 17.185+/-0.002 χ^2/NDF:171418.0/52

All: 17.141+/-0.002 χ^2/NDF: 345814.8/97



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

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

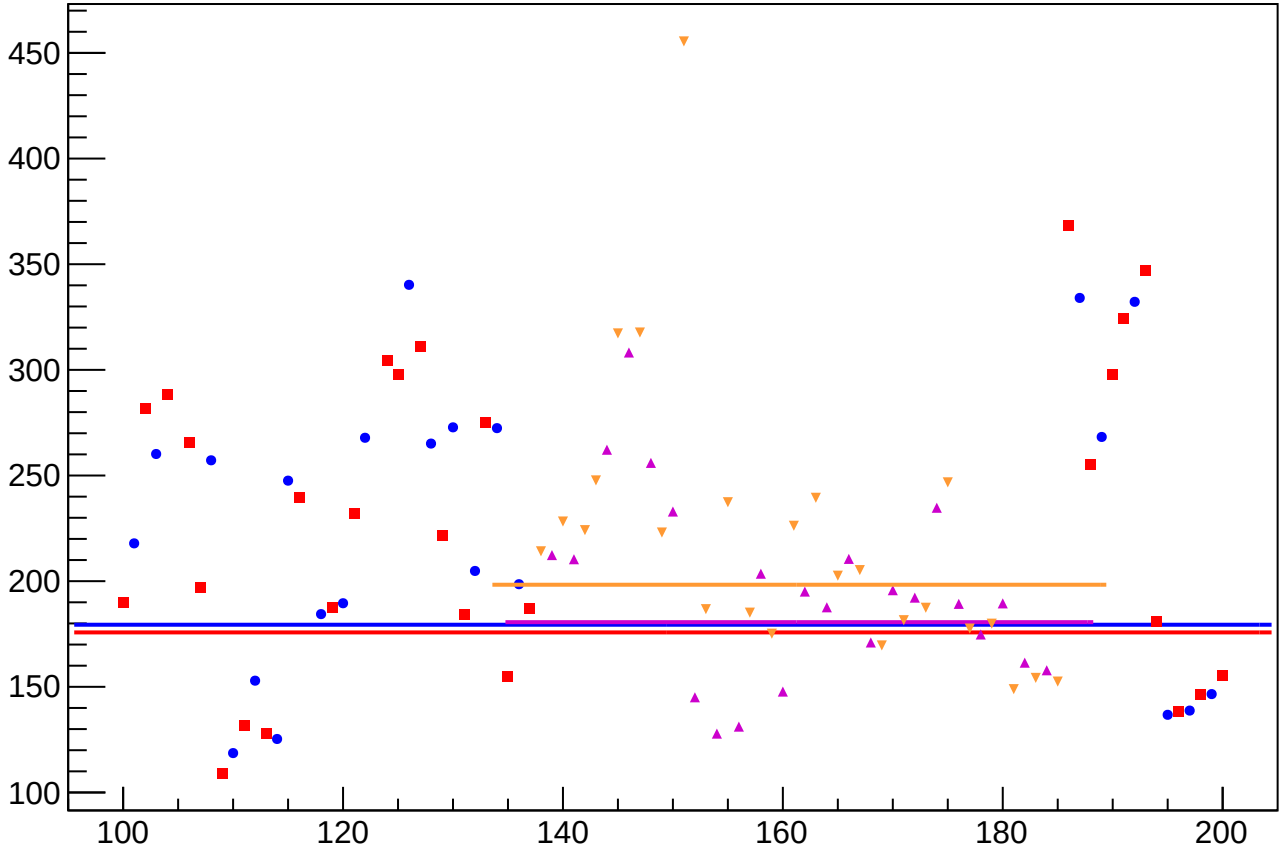
Right: -136.735+/-37.845 χ^2/NDF: 38.0/49

In: 30.106+/-34.660 χ^2/NDF:39.7/44

Out: 12.659+/-34.530 χ^2/NDF:45.7/52

All: 21.350+/-24.462 χ^2/NDF: 85.5/97

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

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

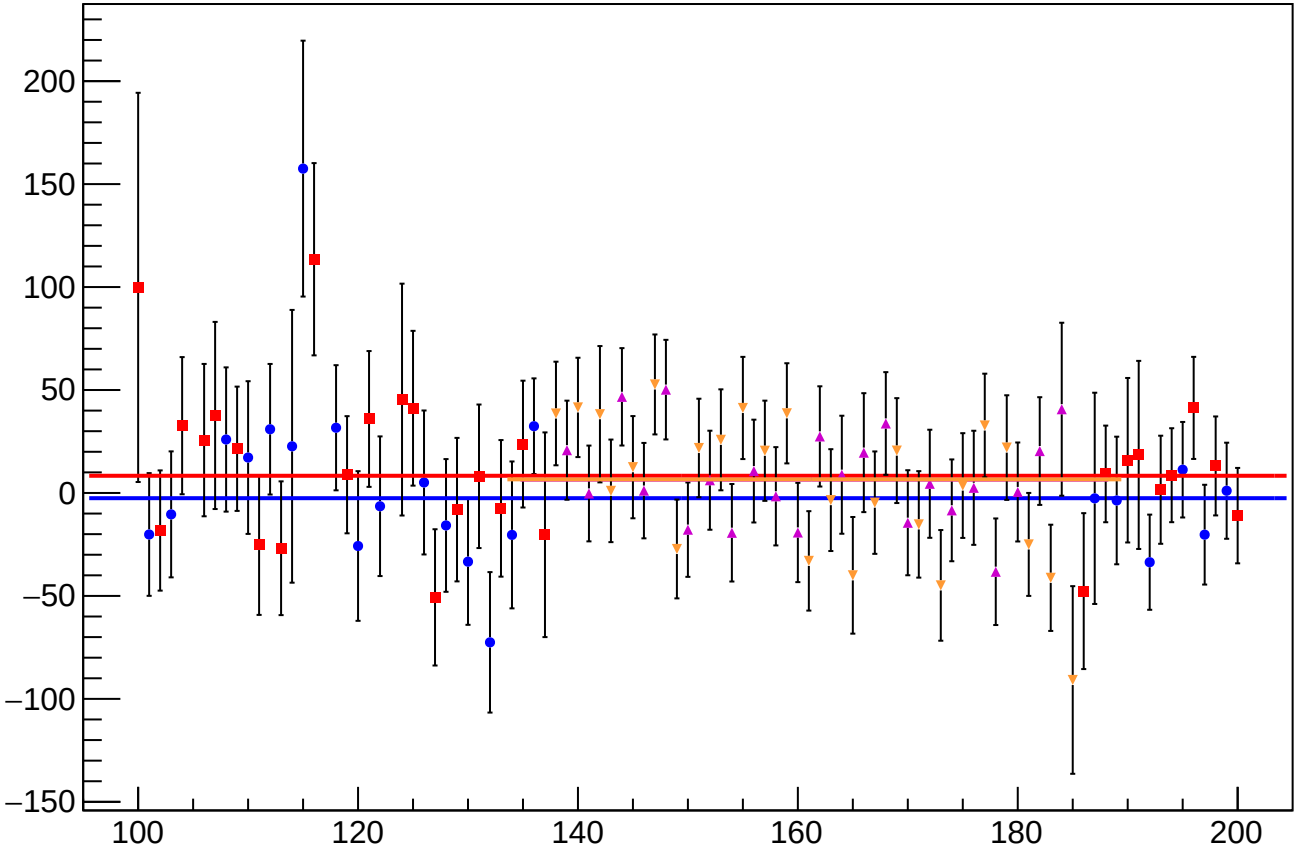
Right: 177.404+/-0.027 χ^2/NDF: 4920282.2/49

In: 180.136+/-0.025 χ^2/NDF:3737334.7/44

Out: 188.079+/-0.024 χ^2/NDF:4808955.5/52

All: 184.122+/-0.017 χ^2/NDF: 8598993.8/97

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

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

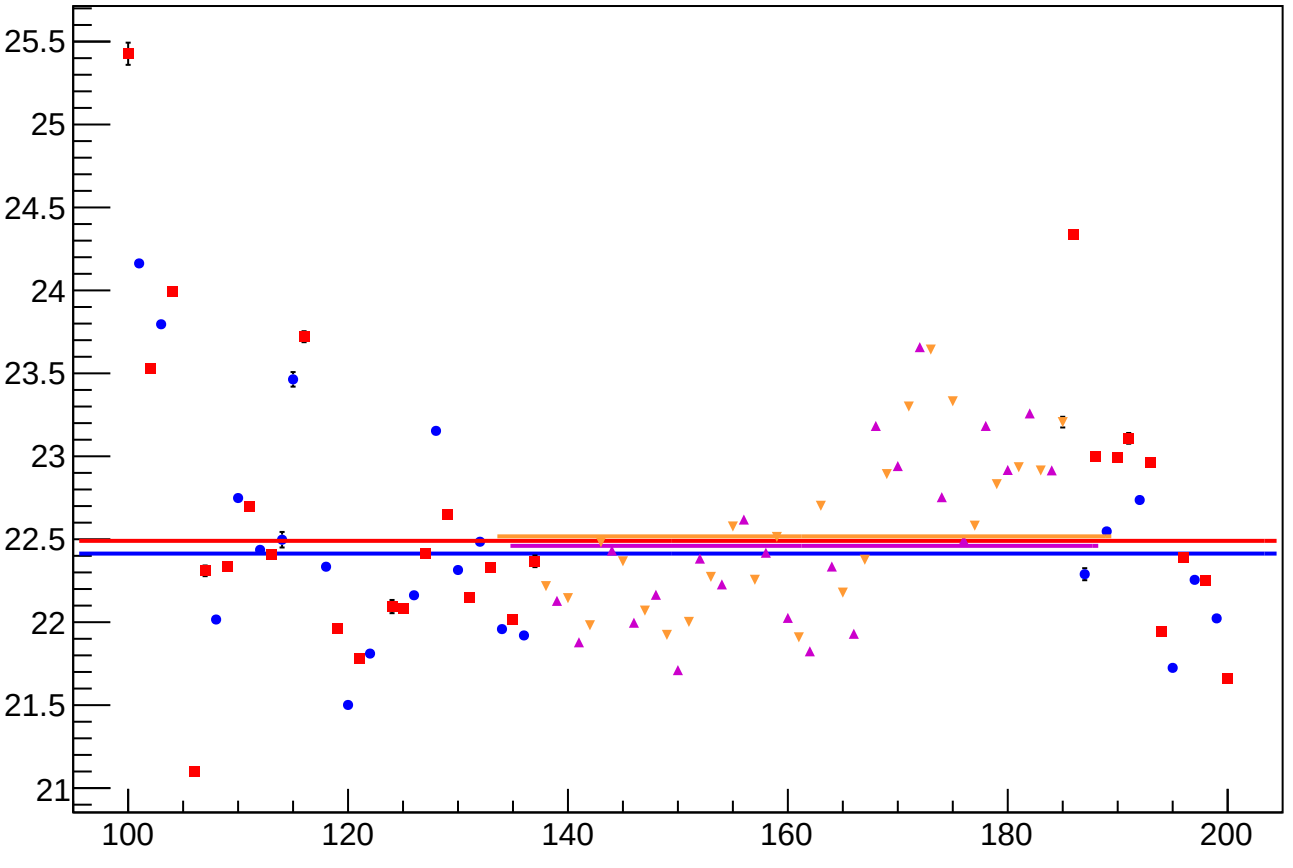
Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

Right: 3.357+/-4.469 χ^2/NDF: 44.4/49

In: 2.990+/-4.107 χ^2/NDF:40.2/44

Out: 7.333+/-3.914 χ^2/NDF:58.2/52

All: 5.266+/-2.833 χ^2/NDF: 99.1/97



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

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

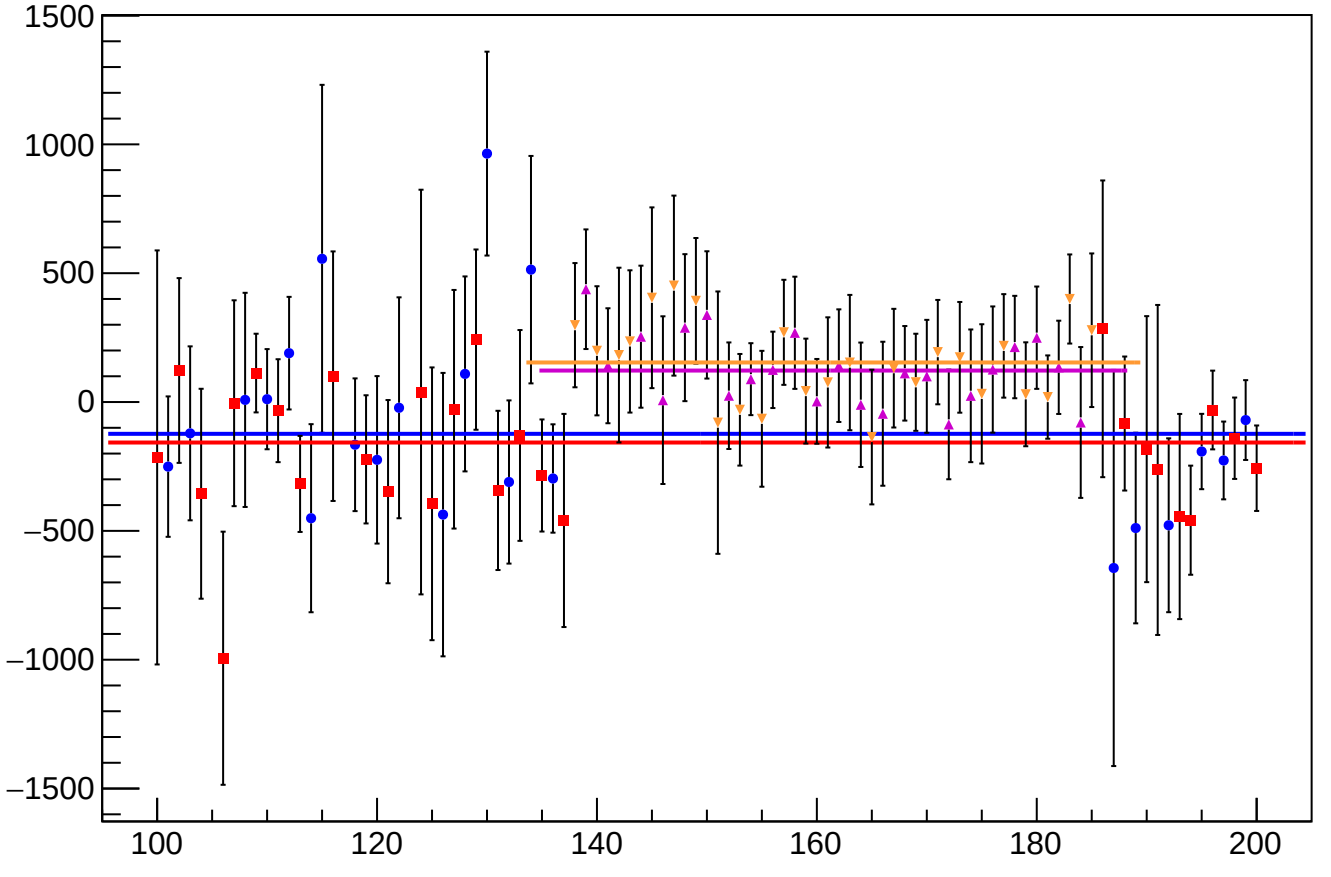
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.455+/-0.003 χ^2/NDF: 45920.0/49

In: 22.442+/-0.003 χ^2/NDF:38320.4/44

Out: 22.506+/-0.003 χ^2/NDF:42657.1/52

All: 22.476+/-0.002 χ^2/NDF: 81232.2/97



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

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

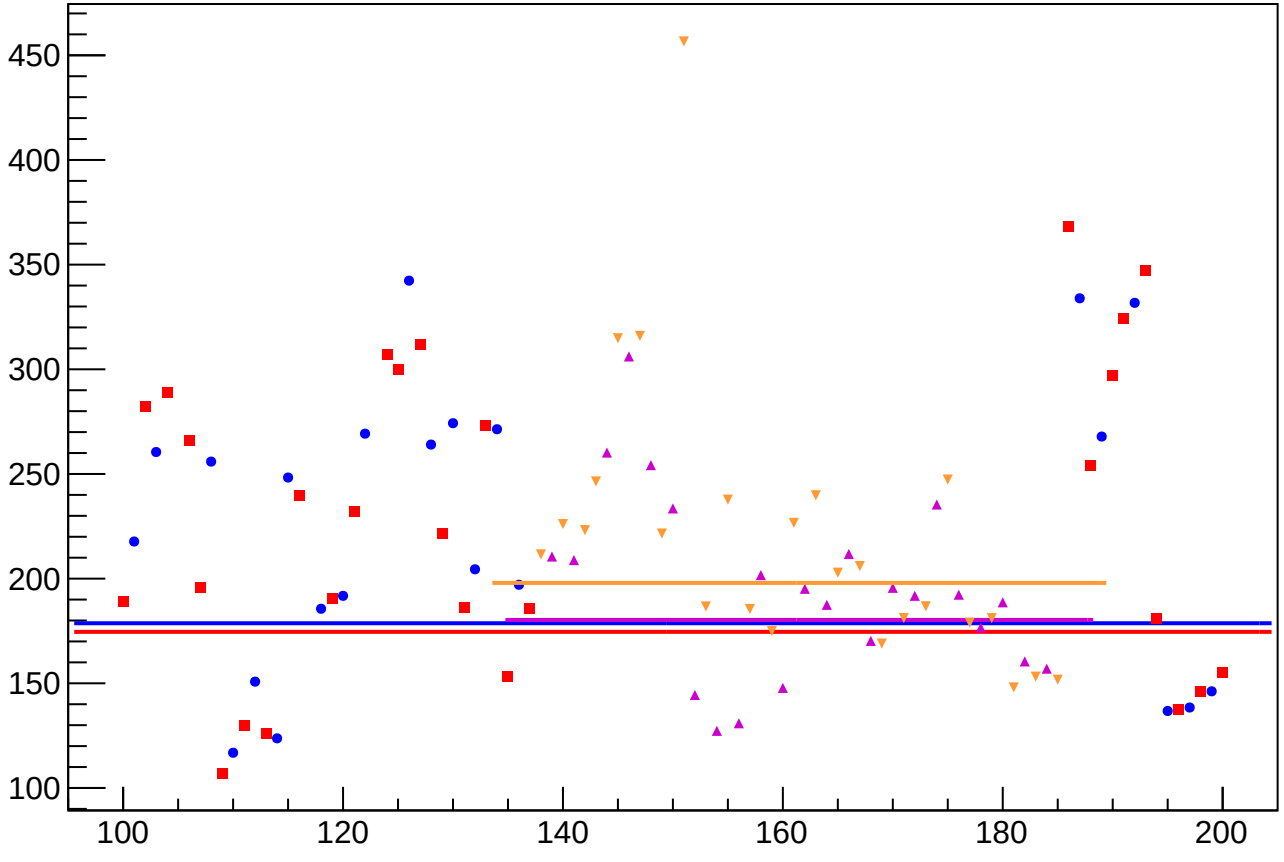
Right: -141.807+/-37.689 χ^2/NDF: 35.7/49

In: 28.261+/-34.583 χ^2/NDF:38.9/44

Out: 12.090+/-34.420 χ^2/NDF:46.2/52

All: 20.137+/-24.396 χ^2/NDF: 85.3/97

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

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

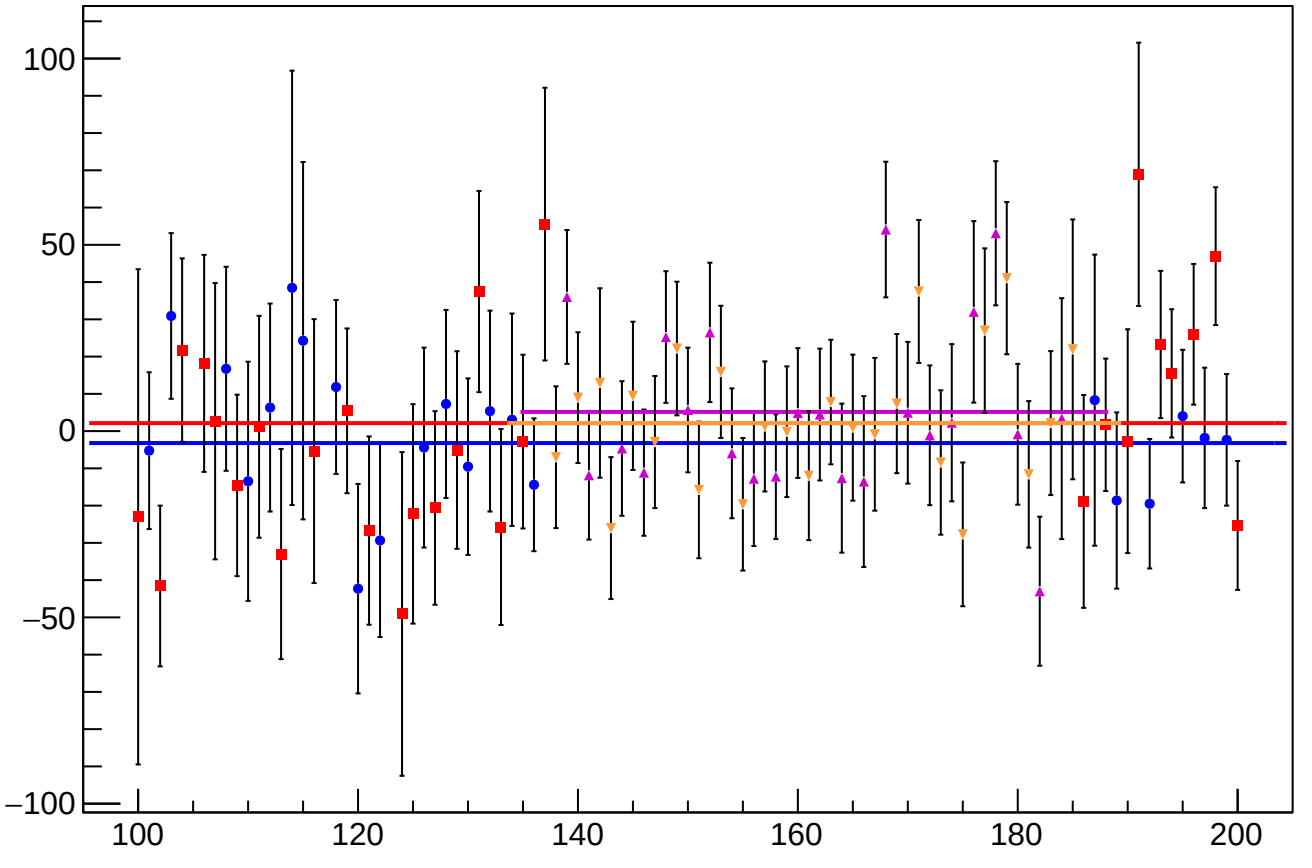
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 176.449+/-0.027 χ^2/NDF: 5029485.0/49

In: 179.669+/-0.024 χ^2/NDF:3765724.3/44

Out: 187.316+/-0.024 χ^2/NDF:4903628.3/52

All: 183.511+/-0.017 χ^2/NDF: 8718468.8/97



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

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

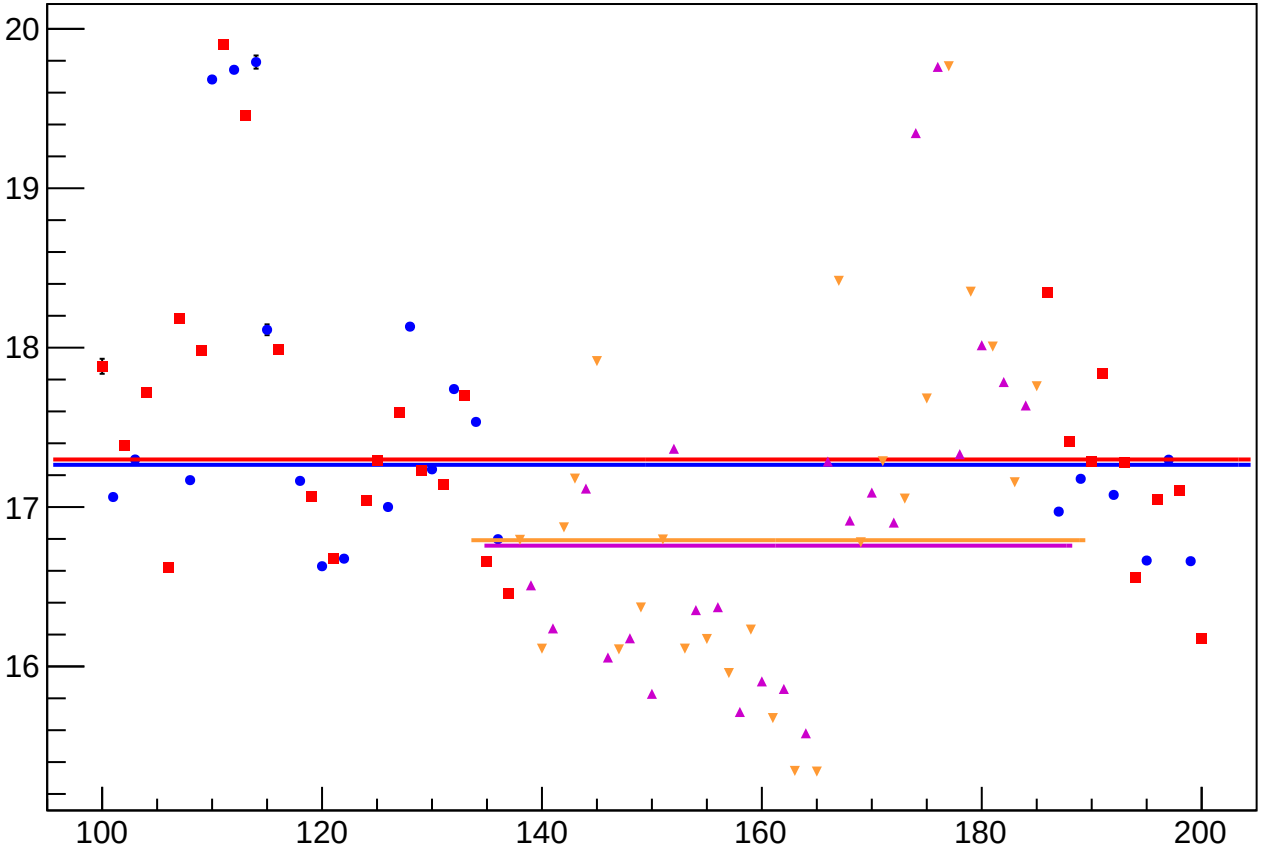
Right: -0.306+/-3.444 χ^2/NDF: 42.6/49

In: 2.035+/-3.108 χ^2/NDF:43.6/44

Out: 2.162+/-2.961 χ^2/NDF:52.3/52

All: 2.101+/-2.144 χ^2/NDF: 96.0/97

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

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

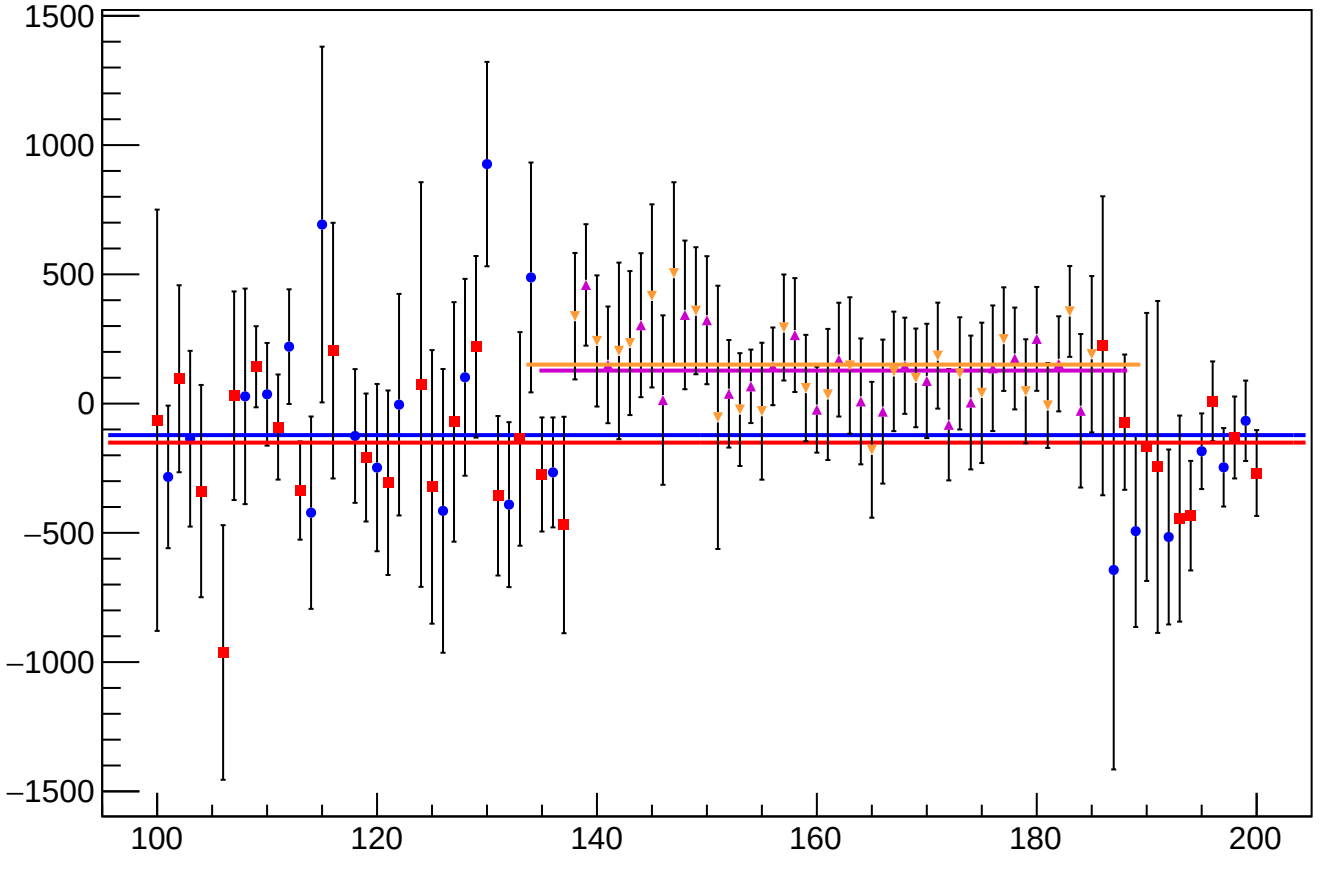
Right: 17.283+/-0.002 χ^2/NDF: 96748.9/49

In: 16.947+/-0.002 χ^2/NDF:179294.5/44

Out: 16.995+/-0.002 χ^2/NDF:204224.5/52

All: 16.972+/-0.002 χ^2/NDF: 383769.4/97

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

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

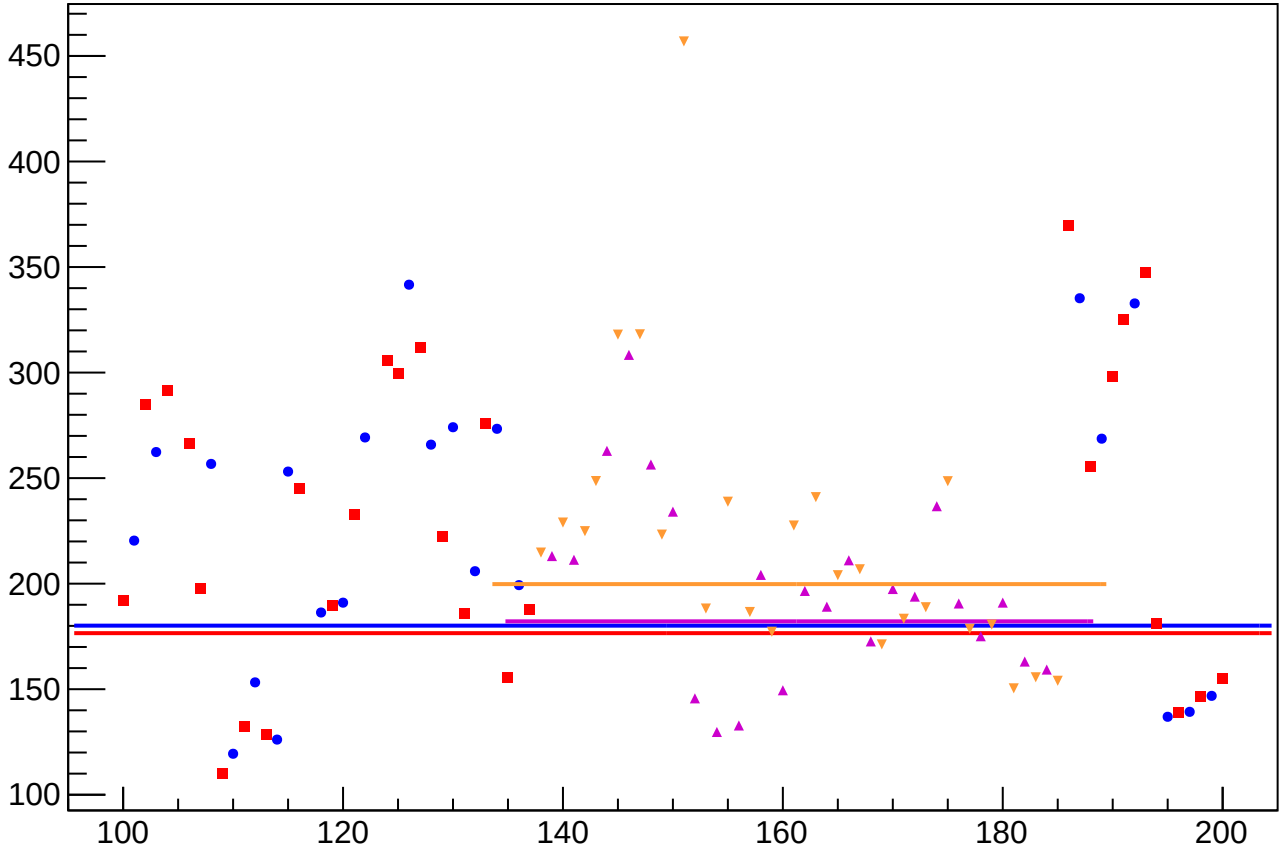
Right: -137.701+/-38.005 χ^2/NDF: 36.4/49

In: 31.979+/-34.882 χ^2/NDF:40.2/44

Out: 13.620+/-34.728 χ^2/NDF:44.7/52

All: 22.759+/-24.611 χ^2/NDF: 85.1/97

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

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

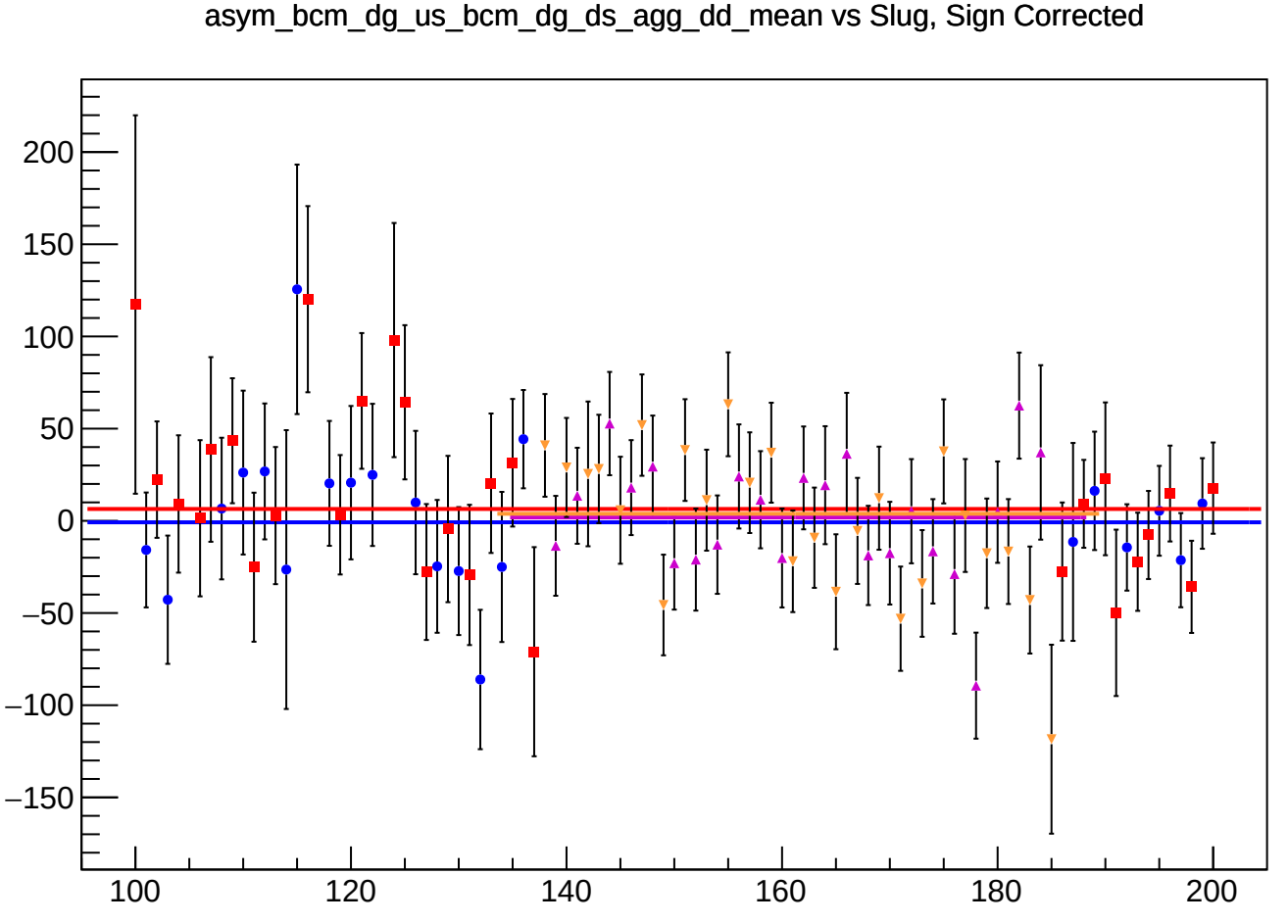
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 178.172+/-0.027 χ^2/NDF: 4926474.8/49

In: 181.367+/-0.025 χ^2/NDF:3701111.5/44

Out: 189.218+/-0.025 χ^2/NDF:4789254.2/52

All: 185.310+/-0.017 χ^2/NDF: 8541245.2/97



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

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

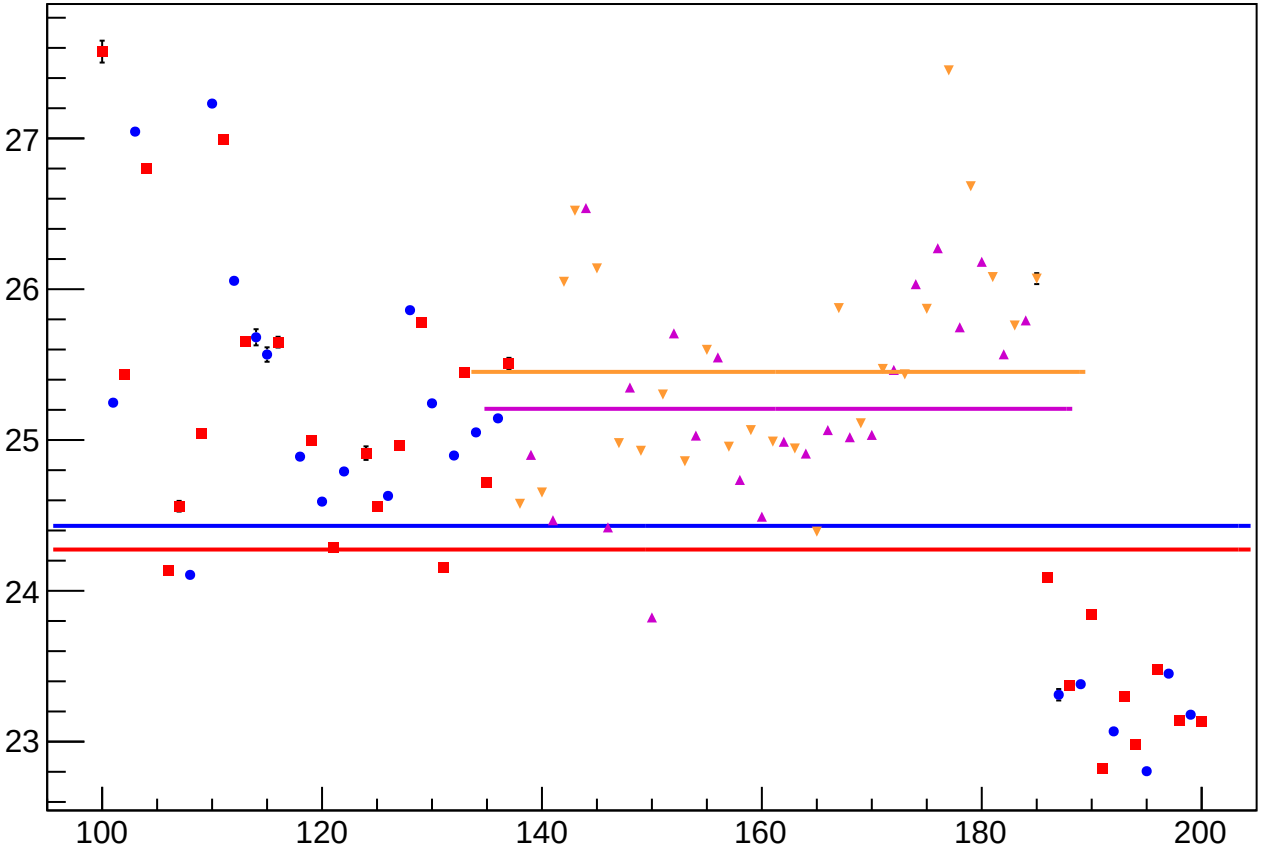
Right: 3.149+/-4.851 χ^2/NDF: 45.7/49

In: 0.786+/-4.561 χ^2/NDF:46.5/44

Out: 4.968+/-4.341 χ^2/NDF:64.6/52

All: 2.980+/-3.145 χ^2/NDF: 111.5/97

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

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

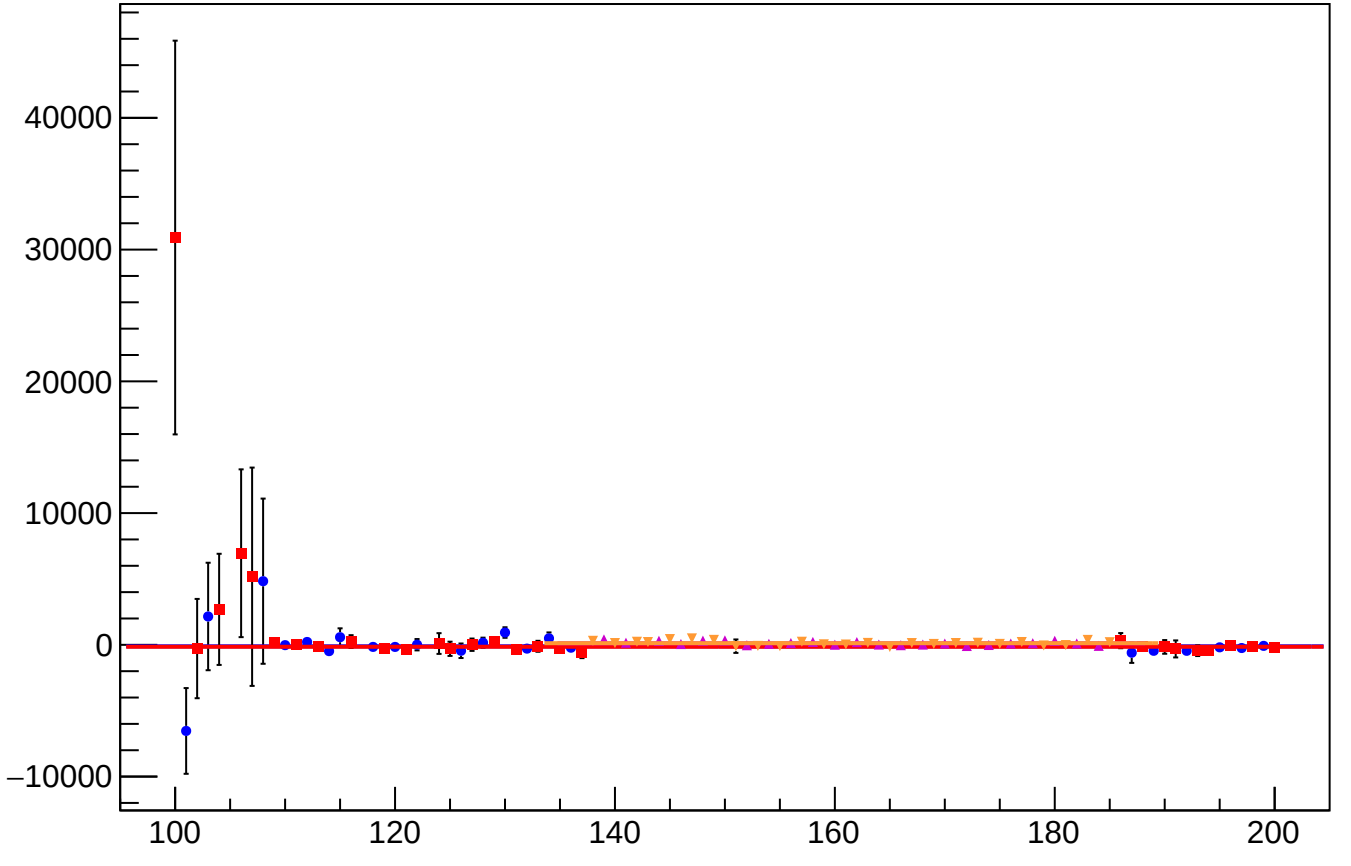
Right: 24.345+/-0.003 χ^2/NDF: 120604.4/49

In: 24.896+/-0.003 χ^2/NDF:99398.6/44

Out: 24.936+/-0.003 χ^2/NDF:126277.7/52

All: 24.917+/-0.002 χ^2/NDF: 225760.4/97

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -112.253+/-59.775 χ^2/NDF: 22.8/21

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

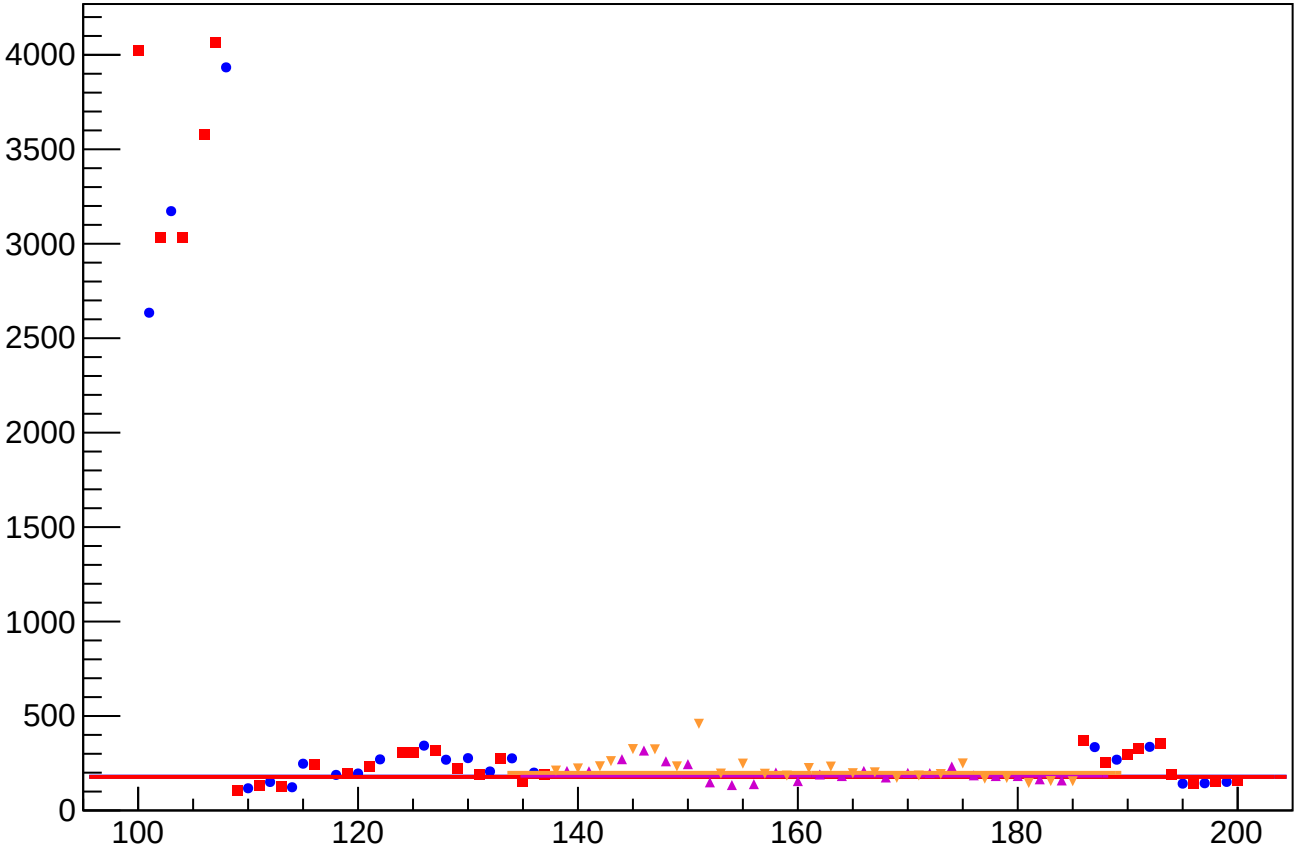
Right: -130.179+/-40.622 χ^2/NDF: 40.9/49

In: 34.561+/-35.886 χ^2/NDF:40.2/44

Out: 12.001+/-35.799 χ^2/NDF:42.9/52

All: 23.254+/-25.344 χ^2/NDF: 83.4/97

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.719+/-0.042 χ^2/NDF: 4769094.9/21

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

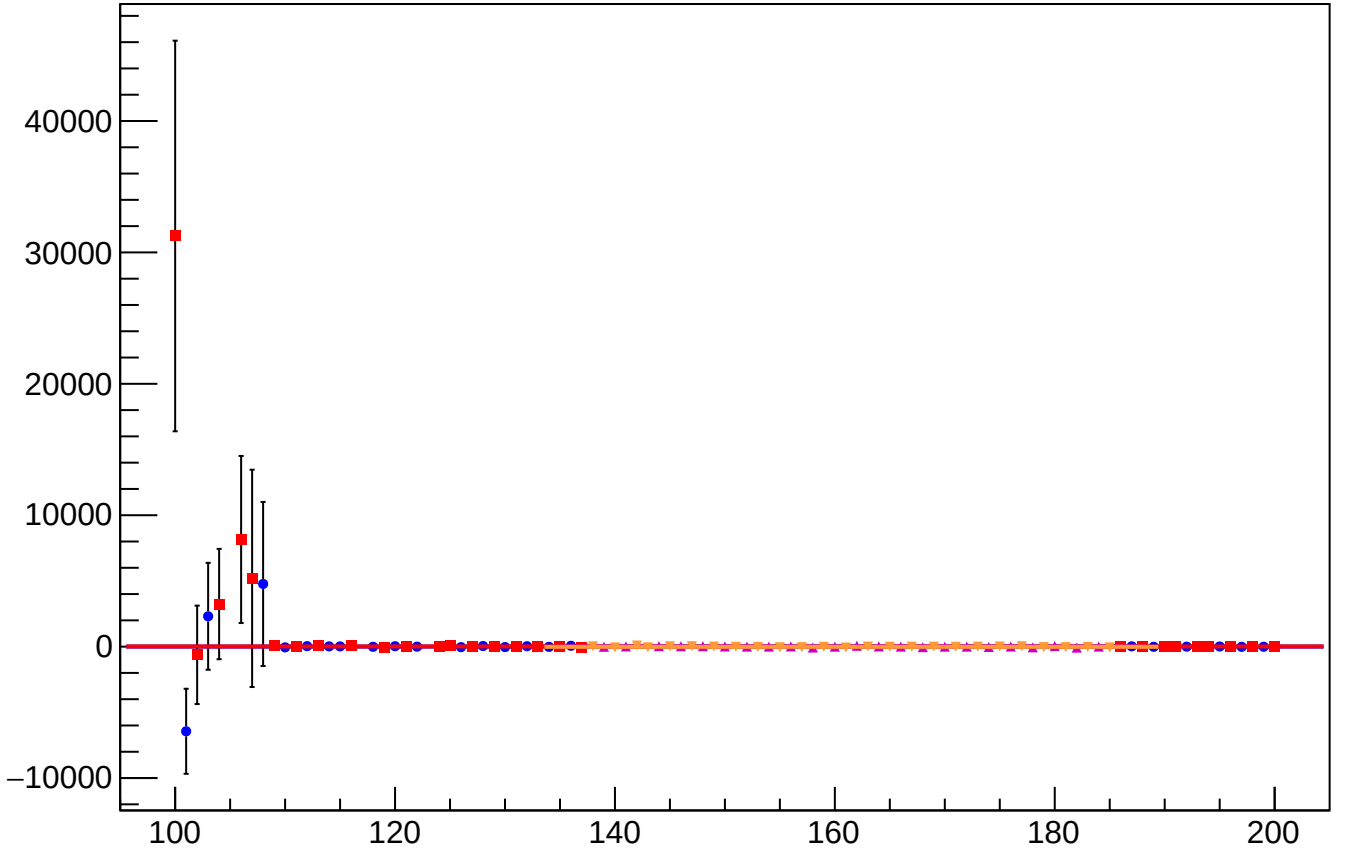
Right: 178.094+/-0.029 χ^2/NDF: 10238752.4/49

In: 182.352+/-0.025 χ^2/NDF:6226951.4/44

Out: 190.034+/-0.025 χ^2/NDF:7545845.9/52

All: 186.202+/-0.018 χ^2/NDF: 13818739.2/97

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.595+/-8.749 χ^2/NDF: 17.2/21

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

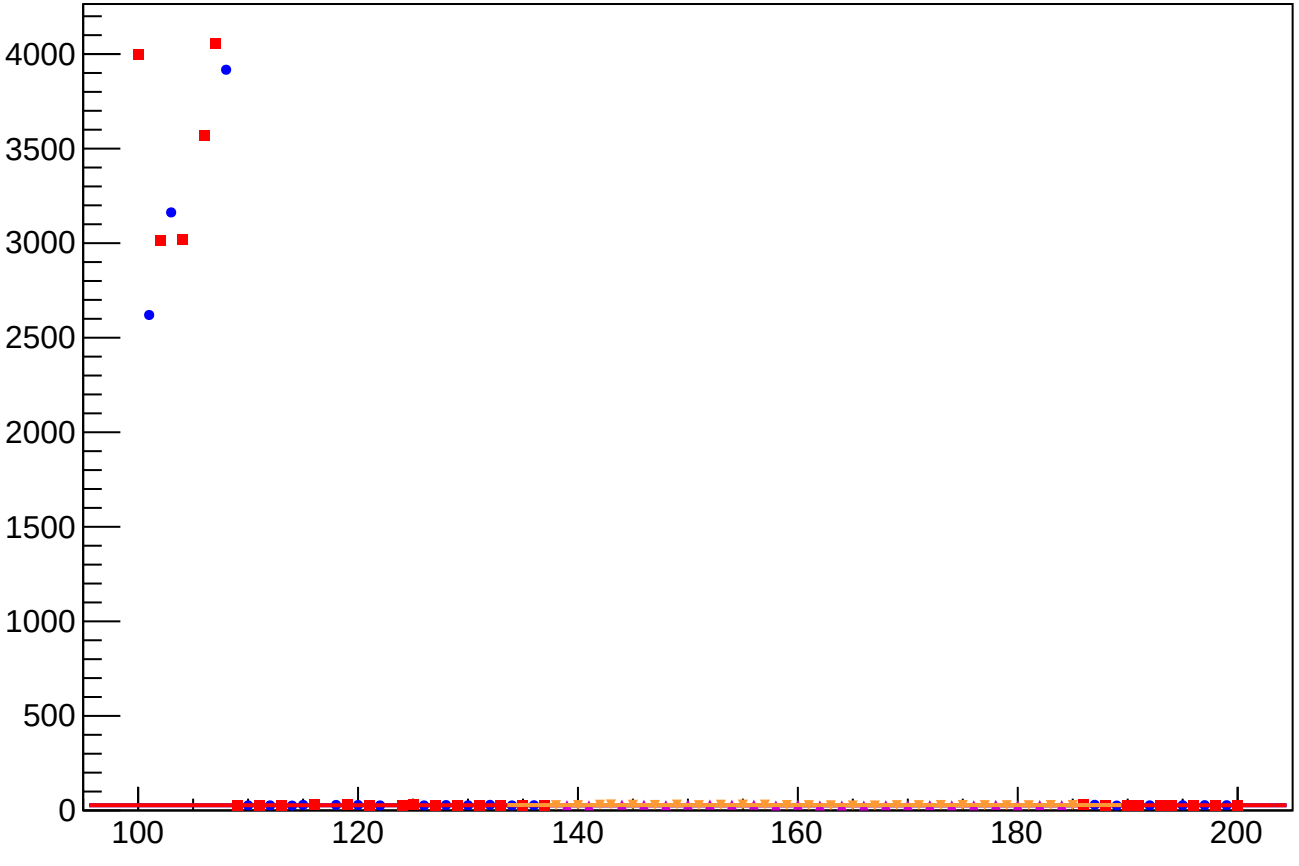
Right: 9.457+/-5.944 χ^2/NDF: 46.8/49

In: 2.698+/-5.321 χ^2/NDF:45.5/44

Out: -3.322+/-5.075 χ^2/NDF:58.9/52

All: -0.454+/-3.672 χ^2/NDF: 105.1/97

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.510+/-0.006 χ^2/NDF: 3273531.5/21

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

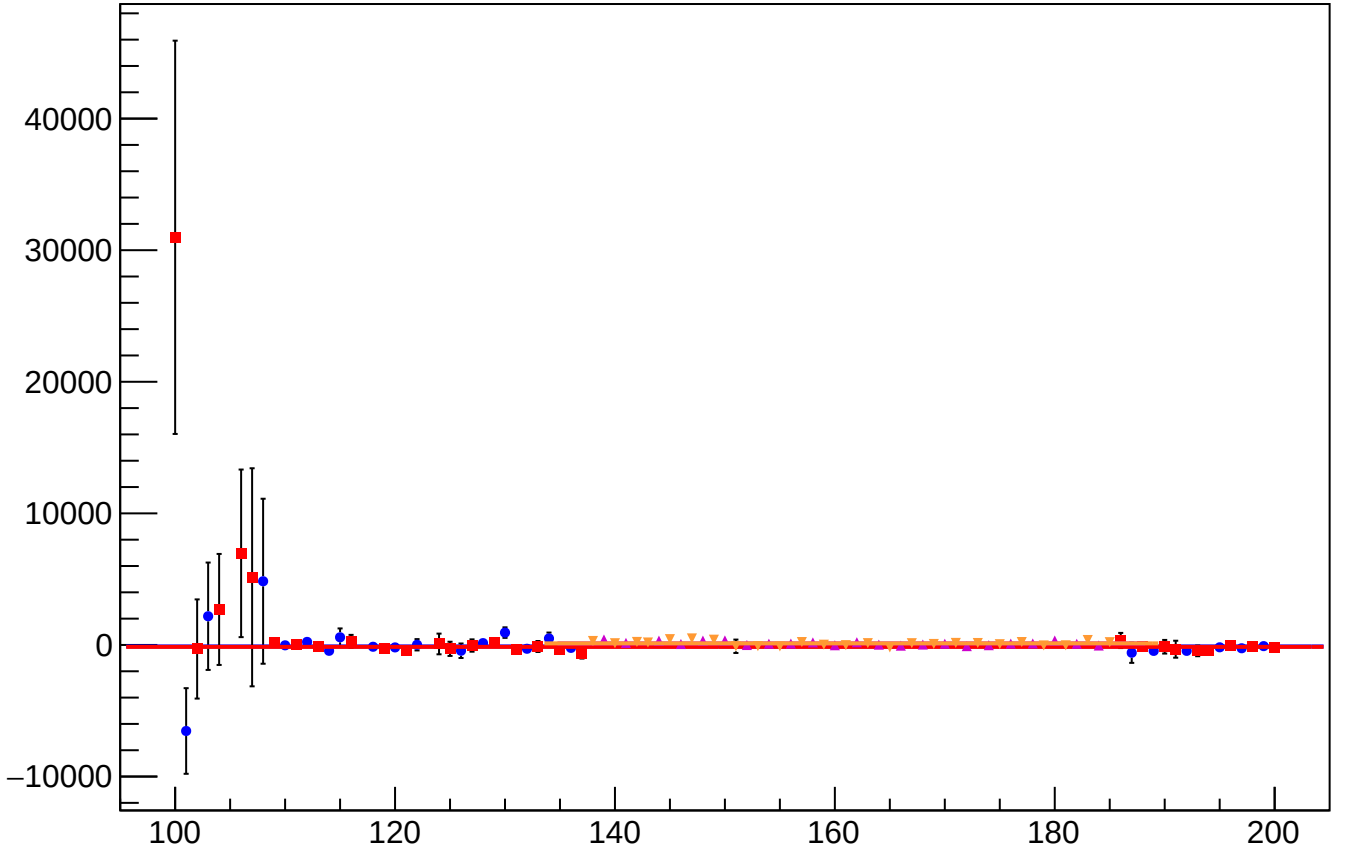
Right: 27.547+/-0.004 χ^2/NDF: 6856383.3/49

In: 28.201+/-0.004 χ^2/NDF:3416231.5/44

Out: 28.190+/-0.004 χ^2/NDF:3689685.6/52

All: 28.195+/-0.003 χ^2/NDF: 7105920.8/97

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

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

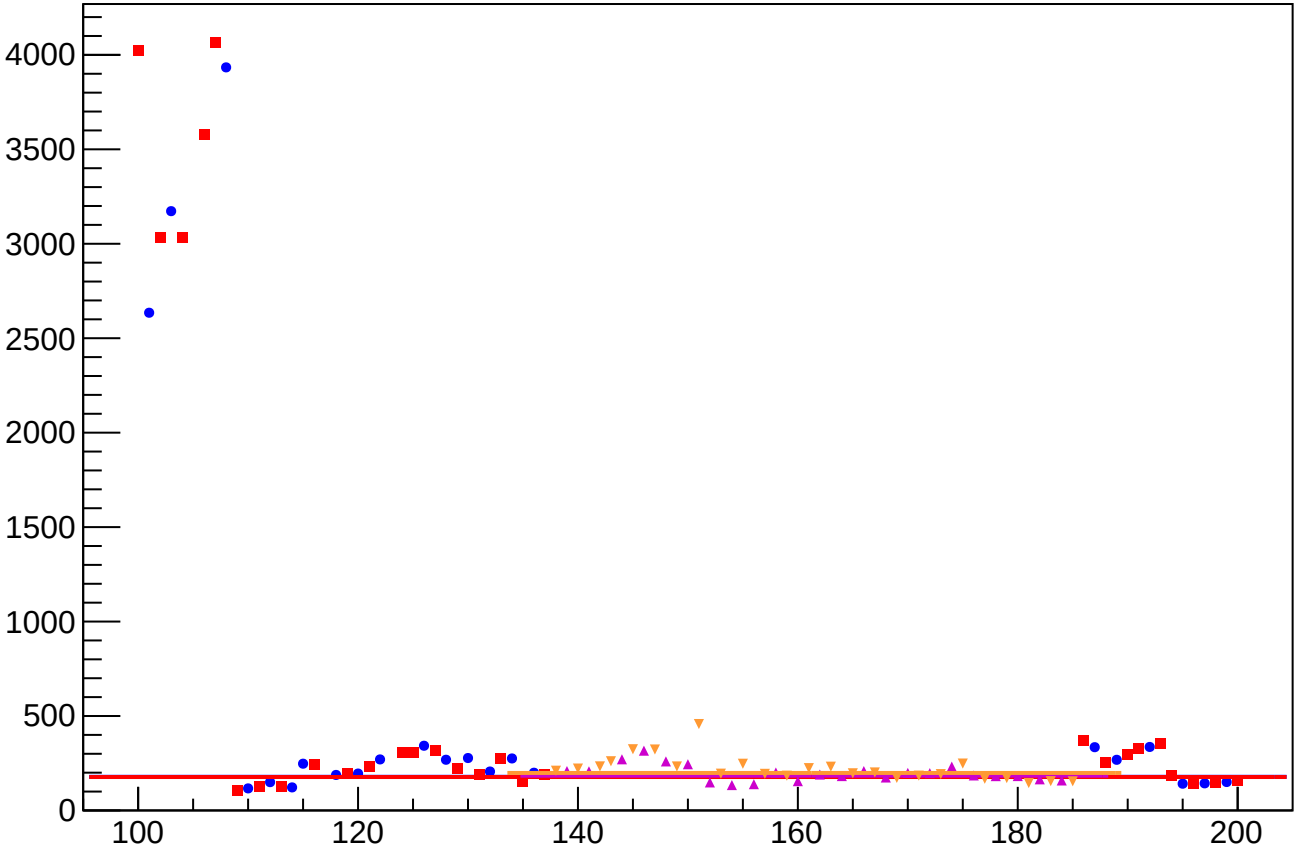
Right: -129.977+/-40.507 χ^2/NDF: 41.3/49

In: 33.962+/-35.803 χ^2/NDF:40.6/44

Out: 10.011+/-35.714 χ^2/NDF:43.9/52

All: 21.957+/-25.285 χ^2/NDF: 84.8/97

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

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

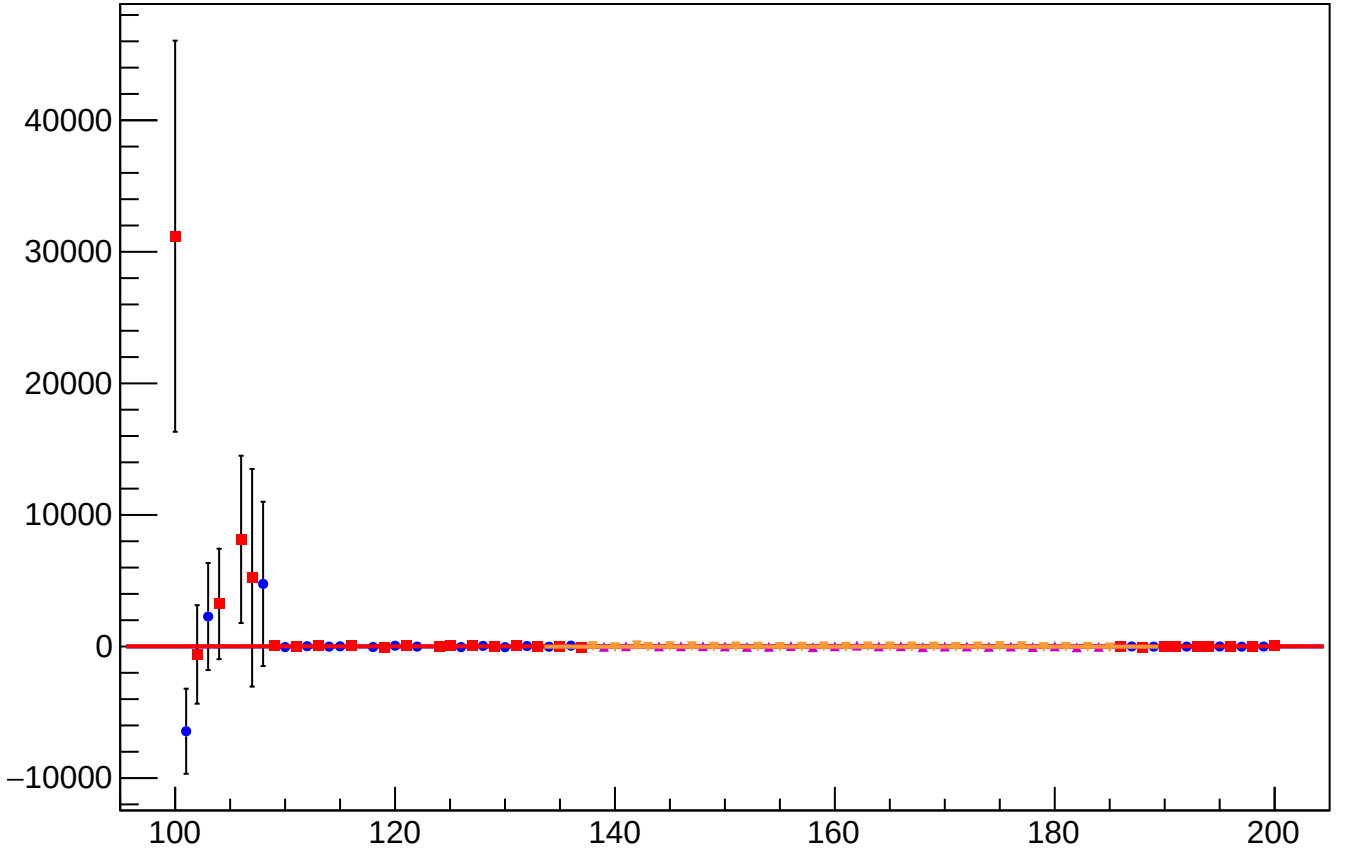
Right: 177.519+/-0.029 χ^2/NDF: 10271276.1/49

In: 181.909+/-0.025 χ^2/NDF:6241474.7/44

Out: 189.552+/-0.025 χ^2/NDF:7566433.4/52

All: 185.740+/-0.018 χ^2/NDF: 13853590.5/97

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

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

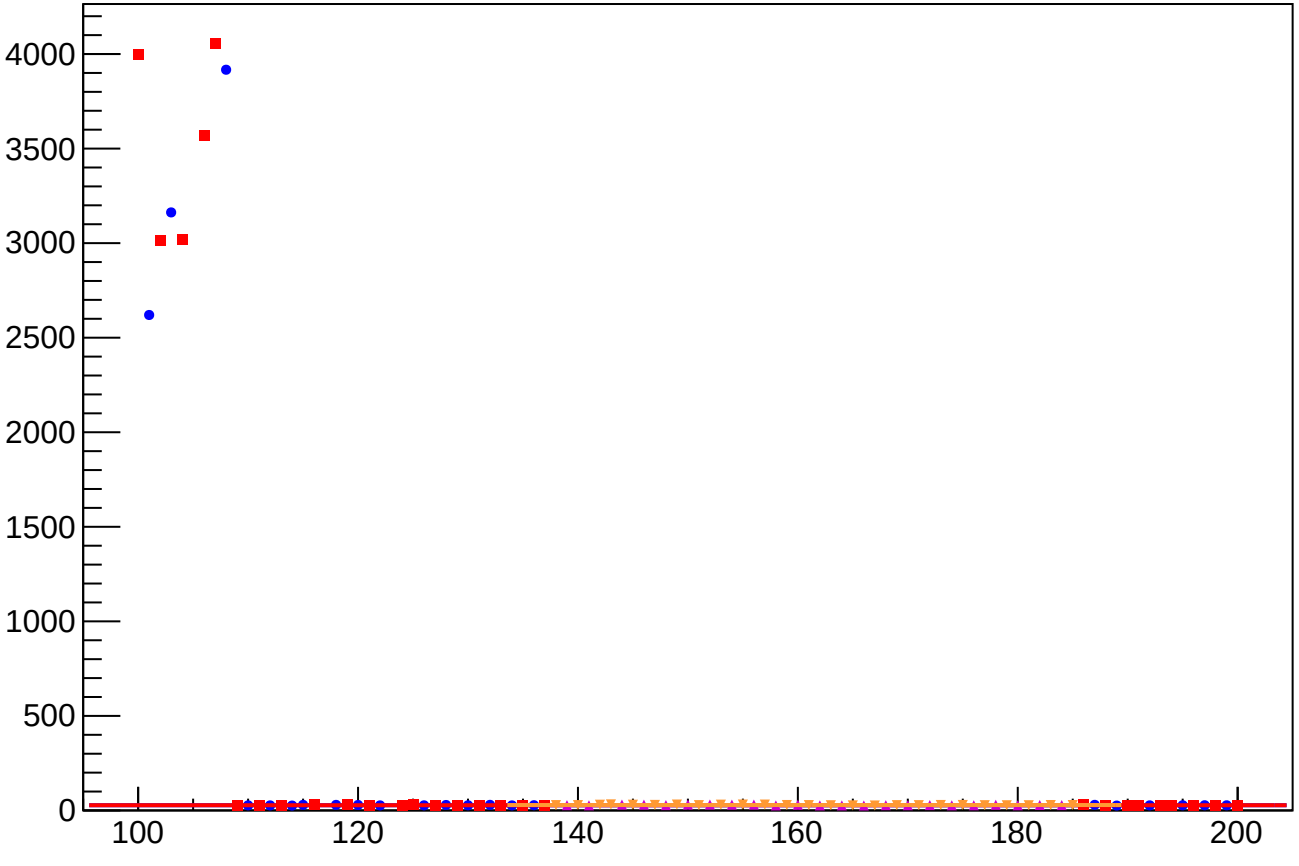
Right: 9.390+/-5.949 χ^2/NDF: 48.5/49

In: 2.203+/-5.337 χ^2/NDF:41.0/44

Out: -0.842+/-5.091 χ^2/NDF:53.3/52

All: 0.609+/-3.684 χ^2/NDF: 94.5/97

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

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

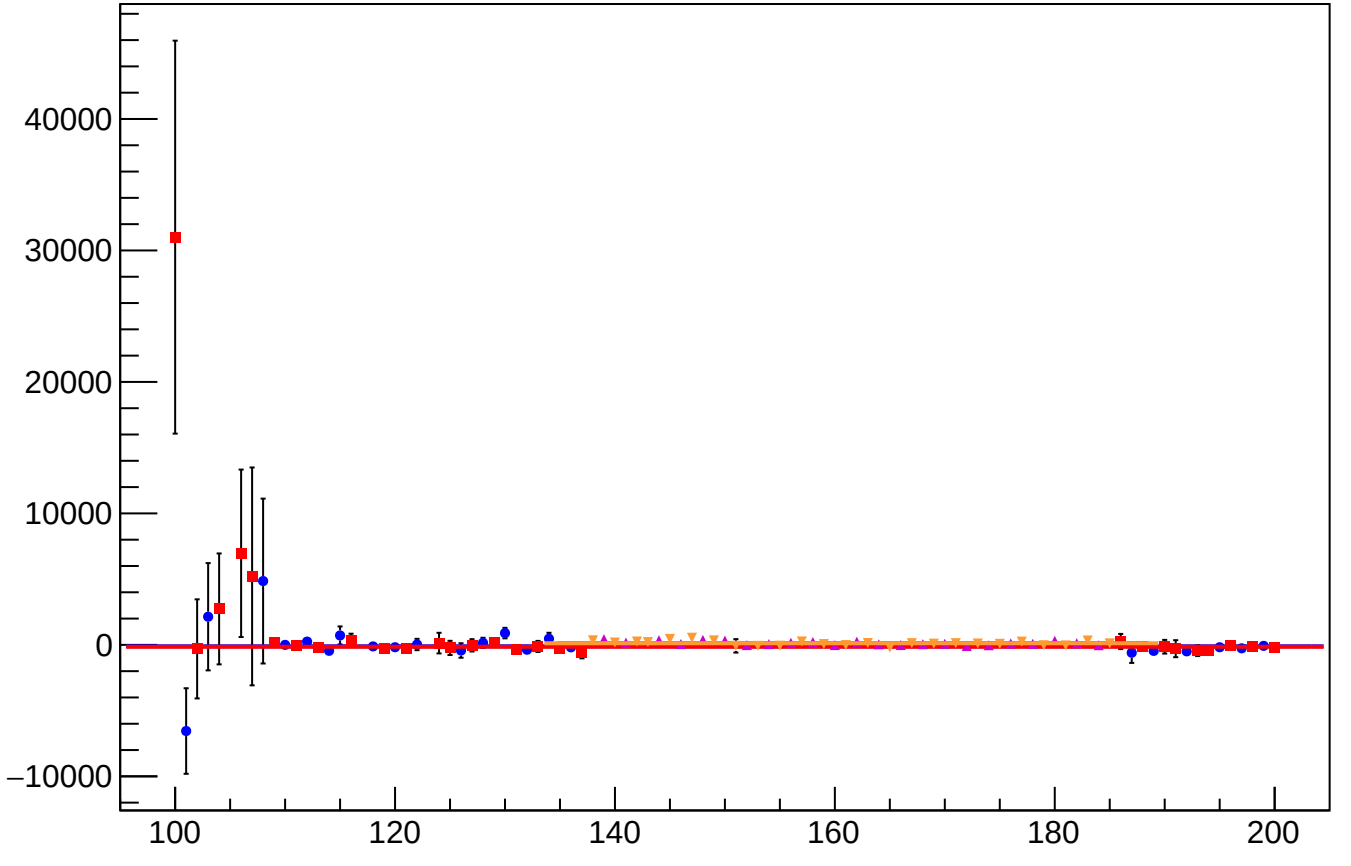
Right: 27.571+/-0.004 χ^2/NDF: 6854864.5/49

In: 28.280+/-0.004 χ^2/NDF:3426224.4/44

Out: 28.276+/-0.004 χ^2/NDF:3700659.1/52

All: 28.278+/-0.003 χ^2/NDF: 7126884.0/97

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -109.068+/-60.105 χ^2/NDF: 23.5/21

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

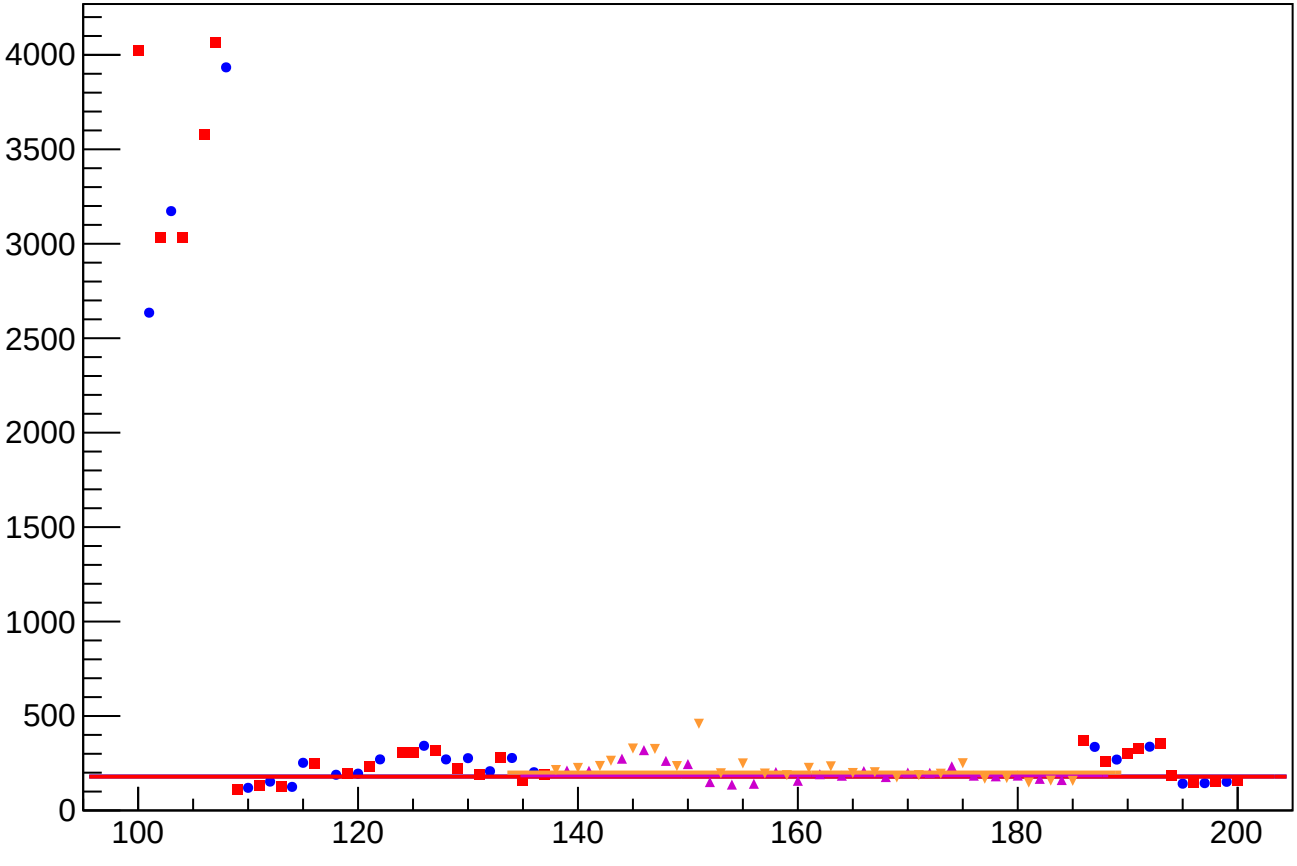
Right: -127.452+/-40.866 χ^2/NDF: 41.2/49

In: 39.034+/-36.160 χ^2/NDF:41.5/44

Out: 11.431+/-36.062 χ^2/NDF:42.1/52

All: 25.195+/-25.534 χ^2/NDF: 83.9/97

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.833+/-0.043 χ^2/NDF: 4747324.8/21

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

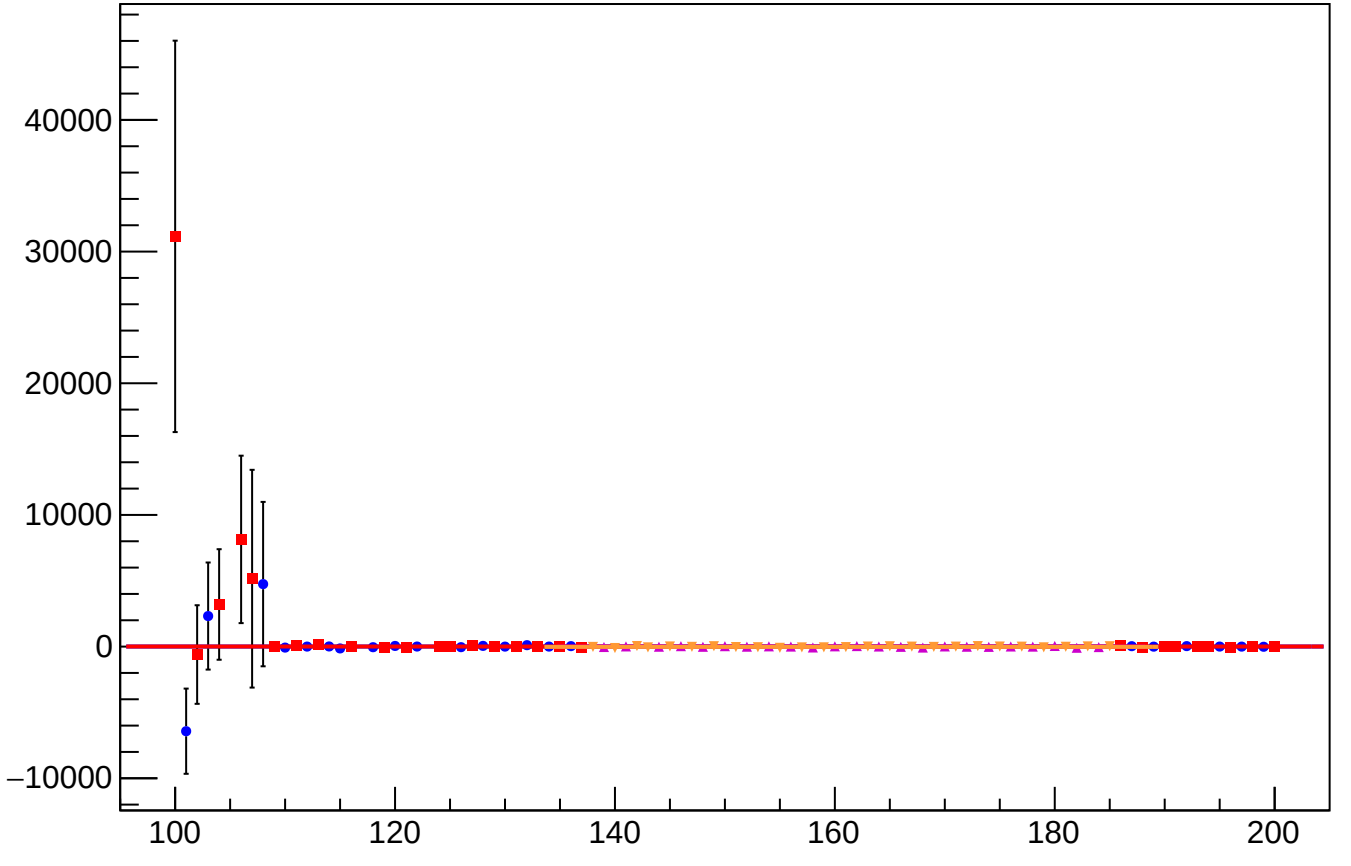
Right: 179.352+/-0.029 χ^2/NDF: 10167141.0/49

In: 183.876+/-0.026 χ^2/NDF:6174894.3/44

Out: 191.579+/-0.025 χ^2/NDF:7476695.2/52

All: 187.738+/-0.018 χ^2/NDF: 13697101.9/97

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.101+/-10.669 χ^2/NDF: 18.8/21

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

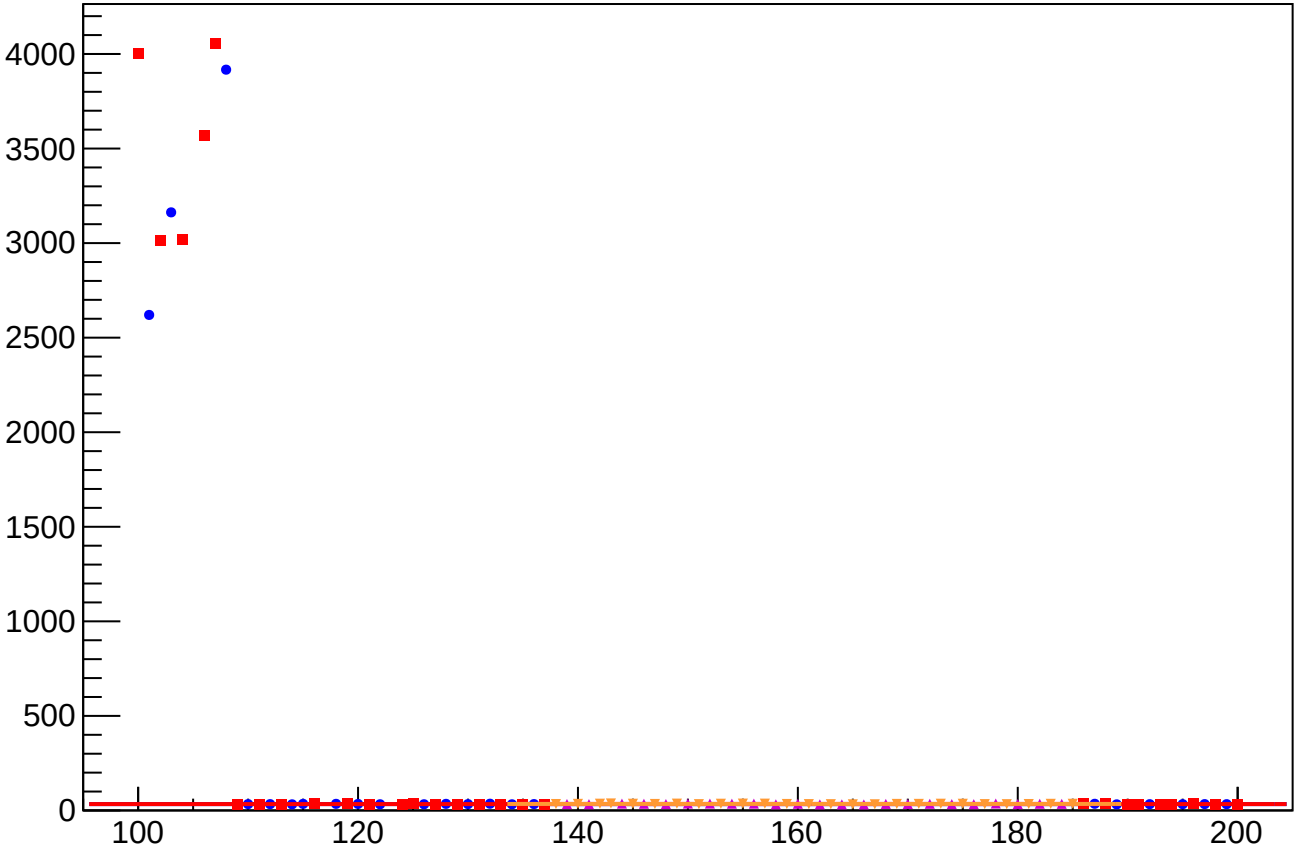
Right: 6.246+/-7.246 χ^2/NDF: 49.0/49

In: -0.335+/-6.443 χ^2/NDF:38.3/44

Out: -10.563+/-6.137 χ^2/NDF:57.9/52

All: -5.697+/-4.444 χ^2/NDF: 97.5/97

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.585+/-0.008 χ^2/NDF: 3249015.3/21

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

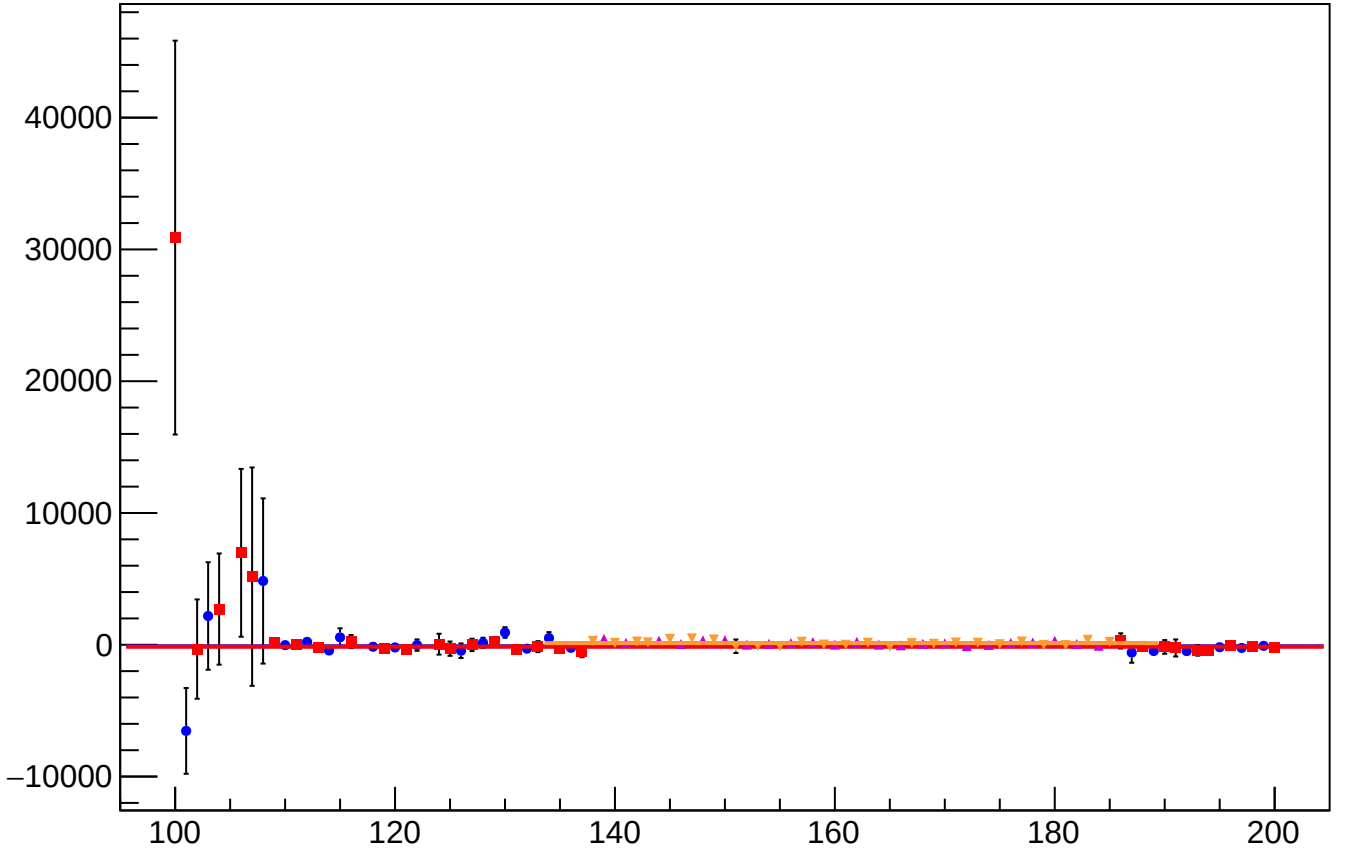
Right: 33.632+/-0.005 χ^2/NDF: 6788877.0/49

In: 34.199+/-0.005 χ^2/NDF:3318730.1/44

Out: 34.143+/-0.004 χ^2/NDF:3591857.7/52

All: 34.170+/-0.003 χ^2/NDF: 6910669.2/97

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

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

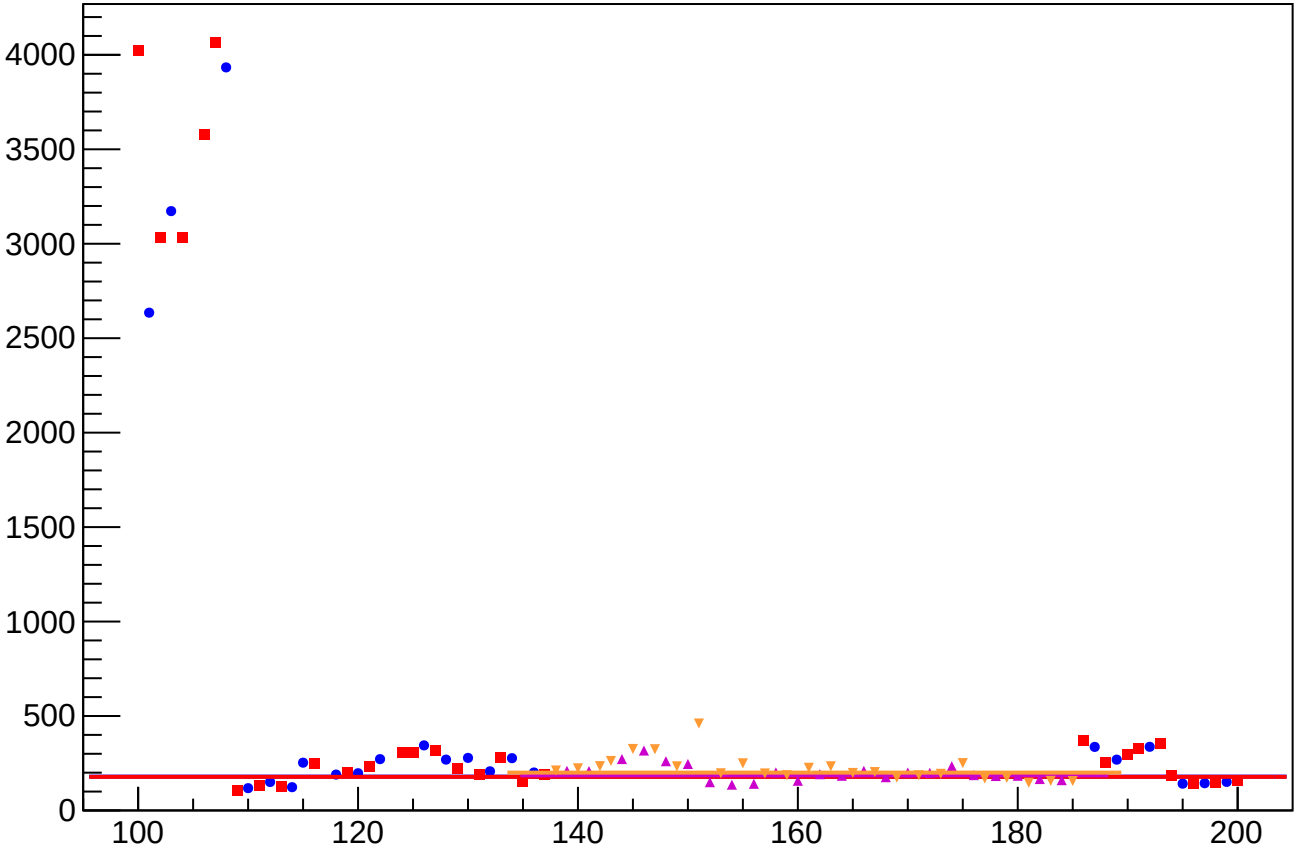
Right: -130.718+/-40.707 χ^2/NDF: 39.8/49

In: 36.262+/-36.081 χ^2/NDF:40.9/44

Out: 13.740+/-35.964 χ^2/NDF:42.4/52

All: 24.965+/-25.472 χ^2/NDF: 83.5/97

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

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

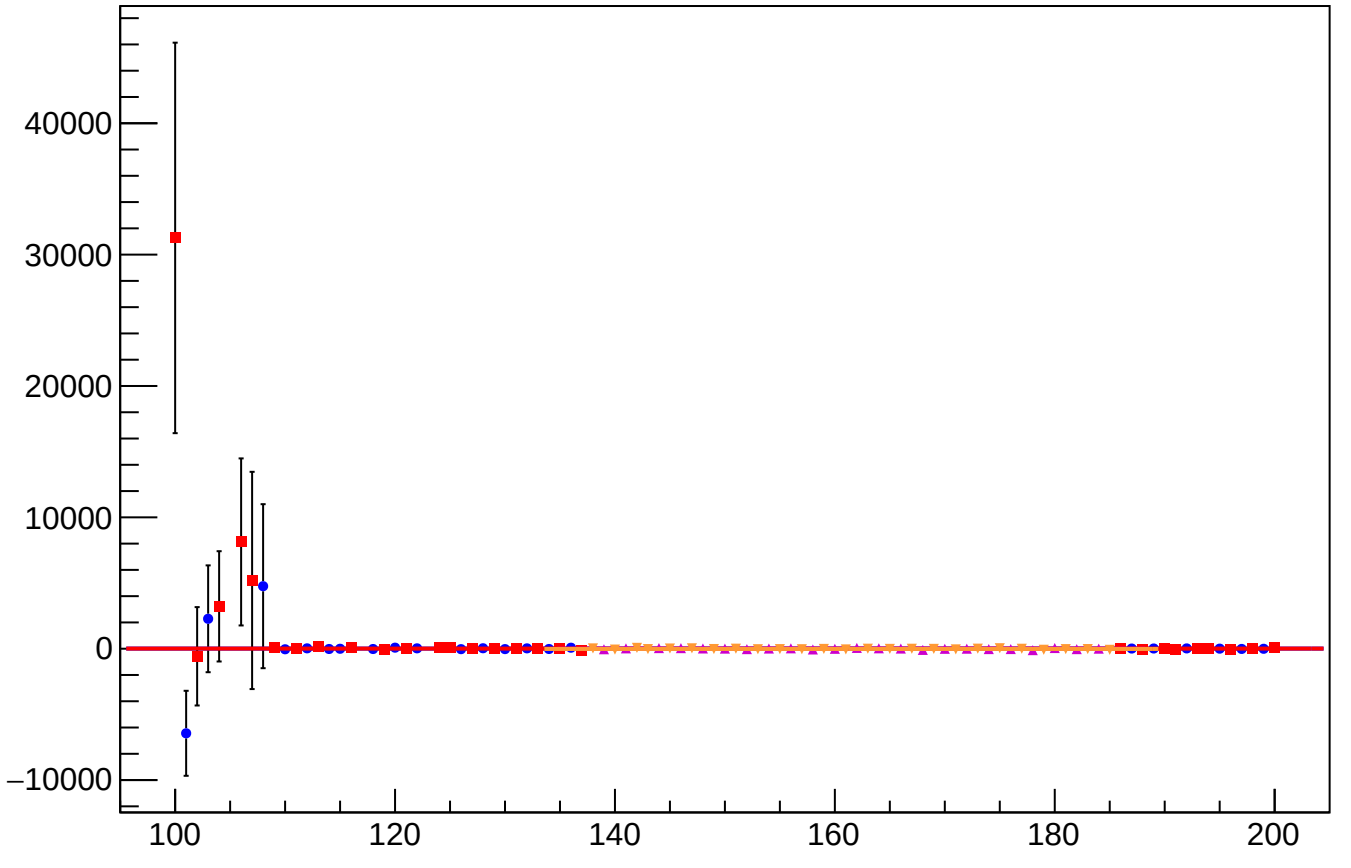
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 178.452+/-0.029 χ^2/NDF: 10252443.2/49

In: 183.404+/-0.026 χ^2/NDF:6199873.5/44

Out: 190.940+/-0.025 χ^2/NDF:7540526.8/52

All: 187.184+/-0.018 χ^2/NDF: 13784174.9/97



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

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

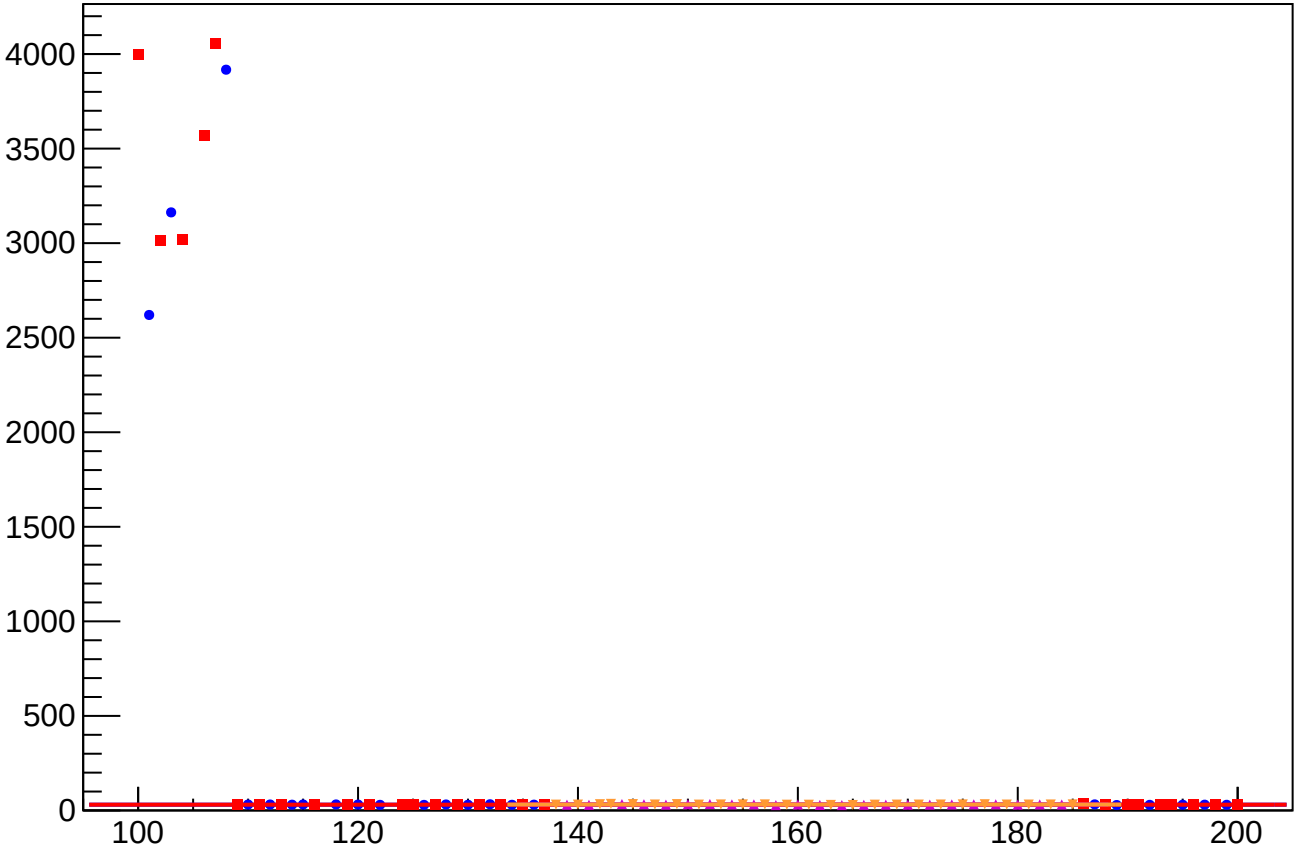
Right: 9.083+/-6.575 χ^2/NDF: 55.0/49

In: 1.667+/-5.854 χ^2/NDF:53.2/44

Out: -7.899+/-5.580 χ^2/NDF:64.5/52

All: -3.346+/-4.039 χ^2/NDF: 119.0/97

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

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

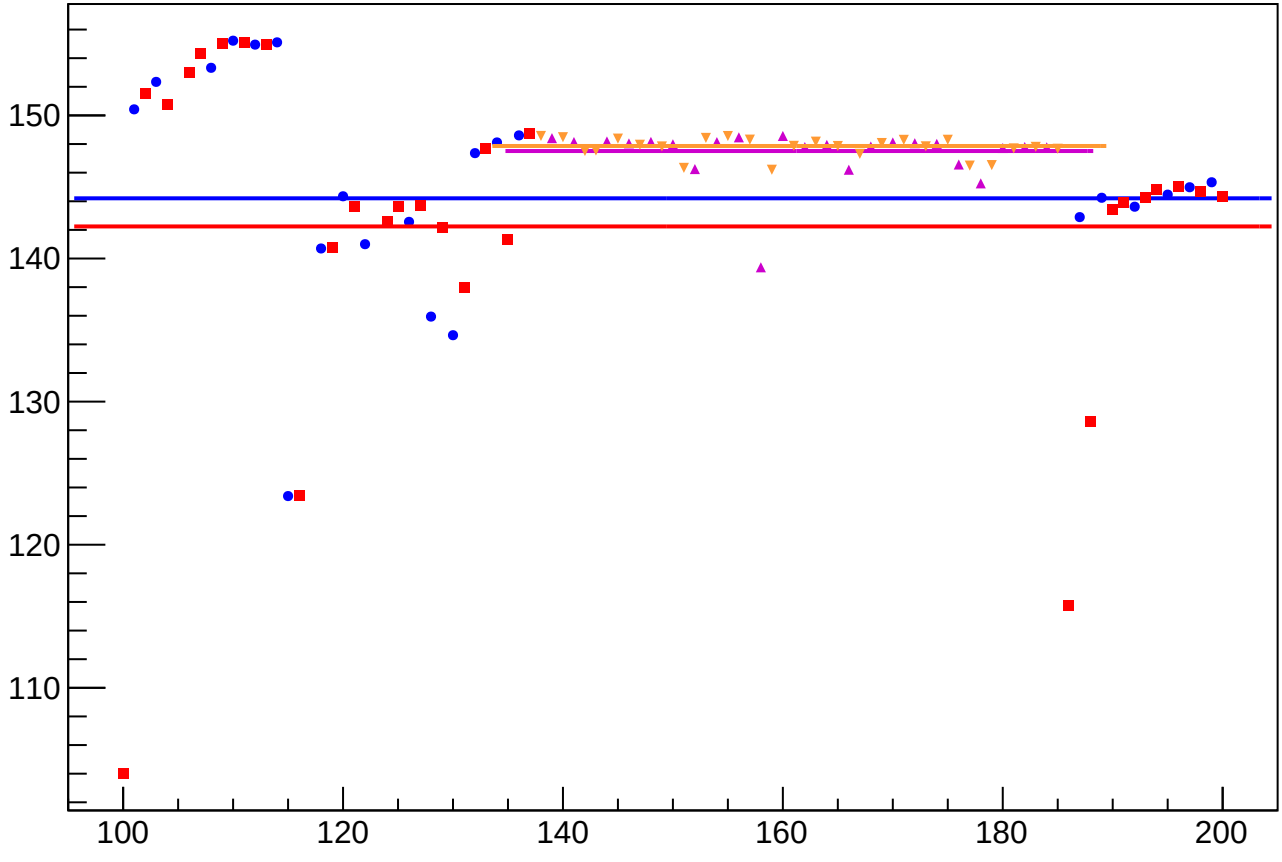
Right: 30.493+/-0.005 χ^2/NDF: 6819564.1/49

In: 31.050+/-0.004 χ^2/NDF:3358875.9/44

Out: 31.016+/-0.004 χ^2/NDF:3630542.0/52

All: 31.032+/-0.003 χ^2/NDF: 6989451.4/97

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

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

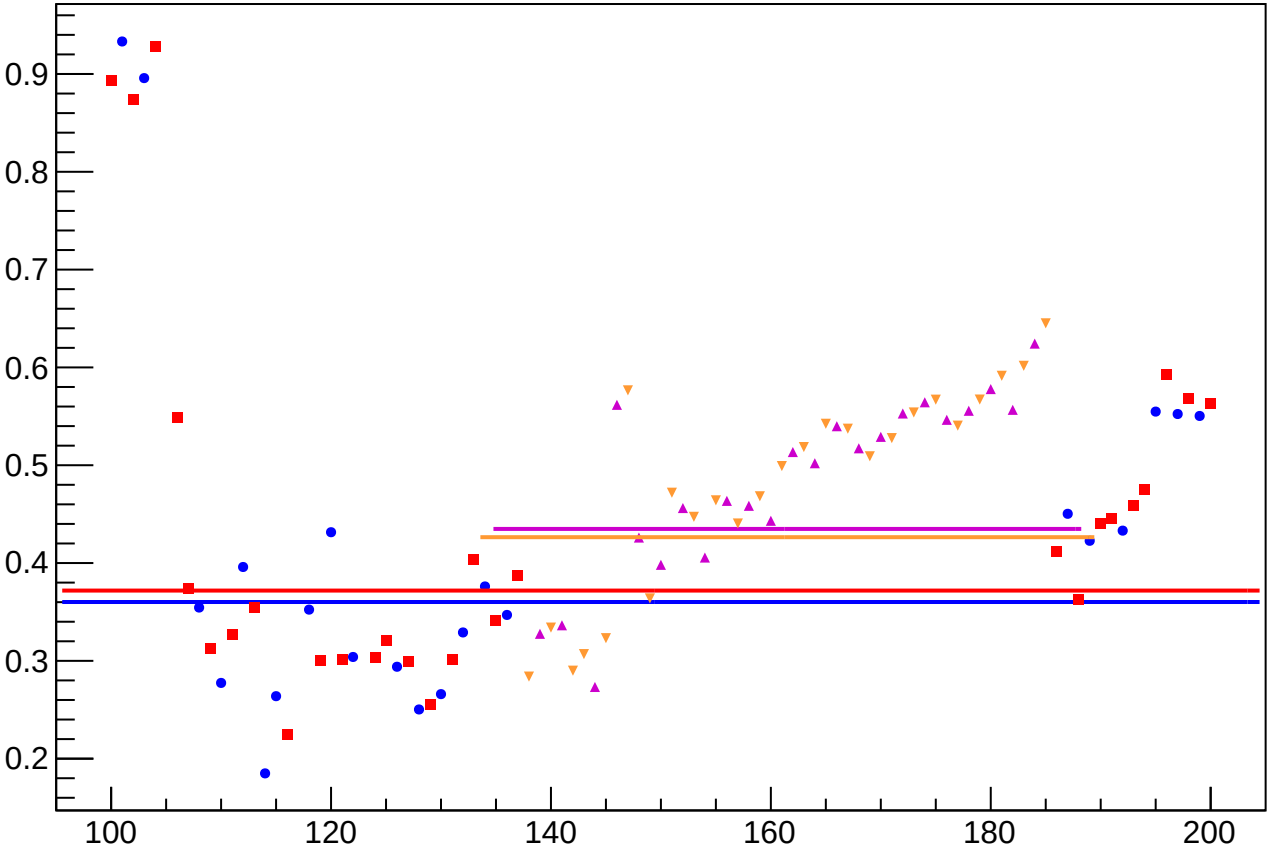
Right: 143.162+/-0.000 χ^2/NDF: 11390305669.8/49

In: 146.019+/-0.000 χ^2/NDF:4479174102.3/44

Out: 145.263+/-0.000 χ^2/NDF:8969894301.3/52

All: 145.621+/-0.000 χ^2/NDF: 13497943649.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

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

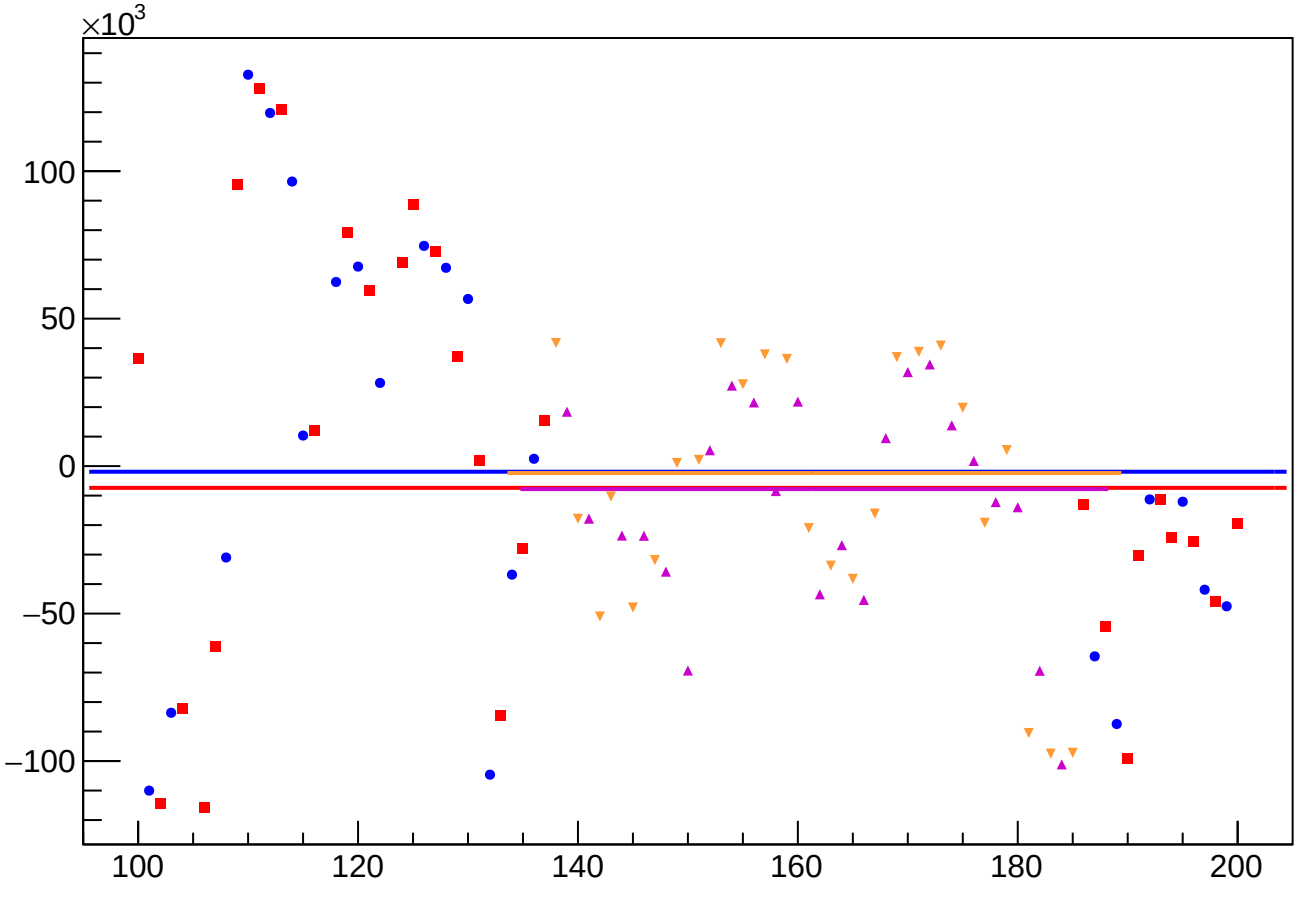
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.366+/-0.000 χ^2/NDF: 4533398.8/49

In: 0.401+/-0.000 χ^2/NDF:4452355.8/44

Out: 0.401+/-0.000 χ^2/NDF:4821547.1/52

All: 0.401+/-0.000 χ^2/NDF: 9273903.2/97



Right In: -1904.594+/-1.599 χ^2/NDF: 1752118117.3/21

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

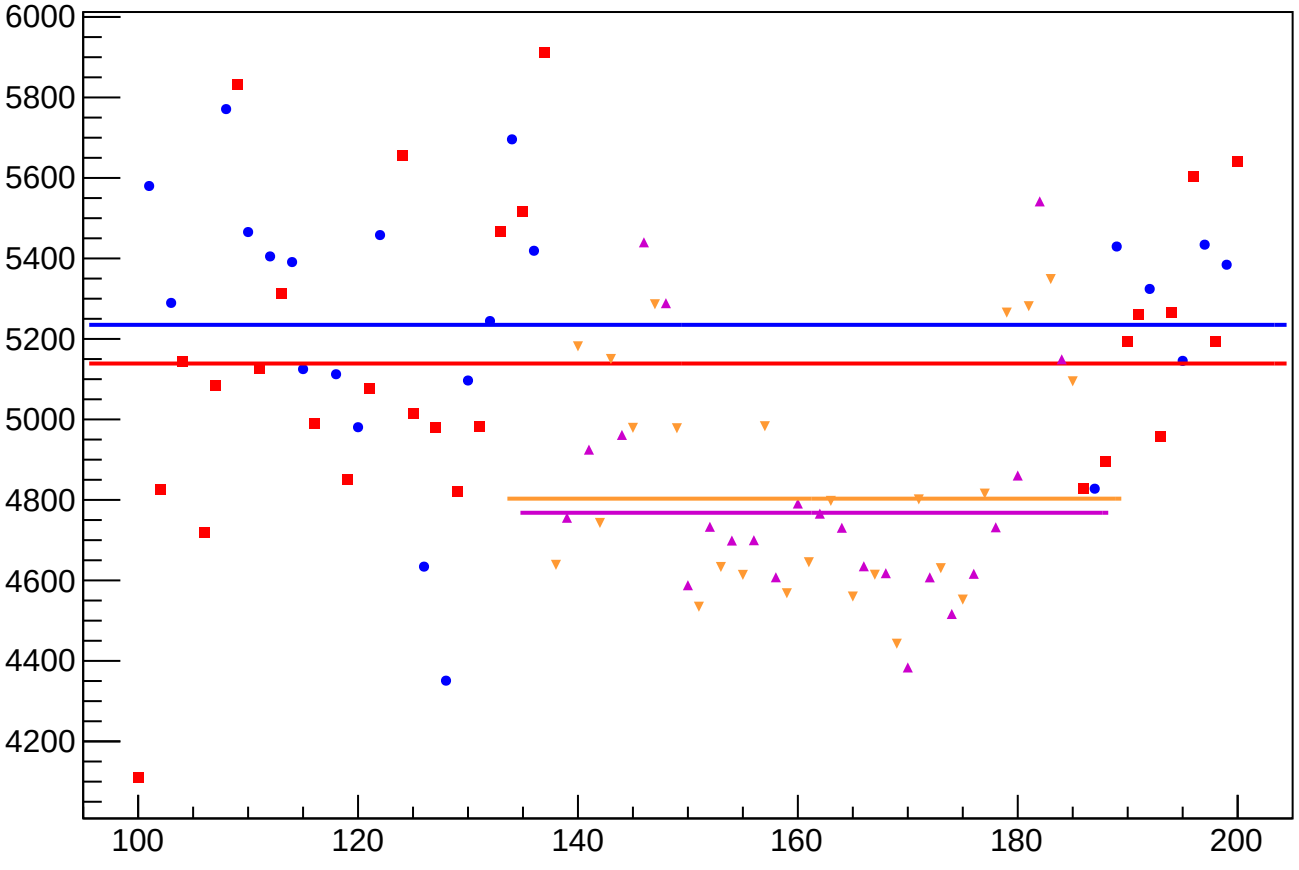
Right: -4930.347+/-1.068 χ^2/NDF: 3985876592.0/4

In: -5795.025+/-0.931 χ^2/NDF:2523564460.2/44

Out: -4252.828+/-0.884 χ^2/NDF:3464919359.4/52

All: -4984.653+/-0.641 χ^2/NDF: 5989926520

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5234.997+/-1.131 χ^2/NDF: 85993.2/21

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

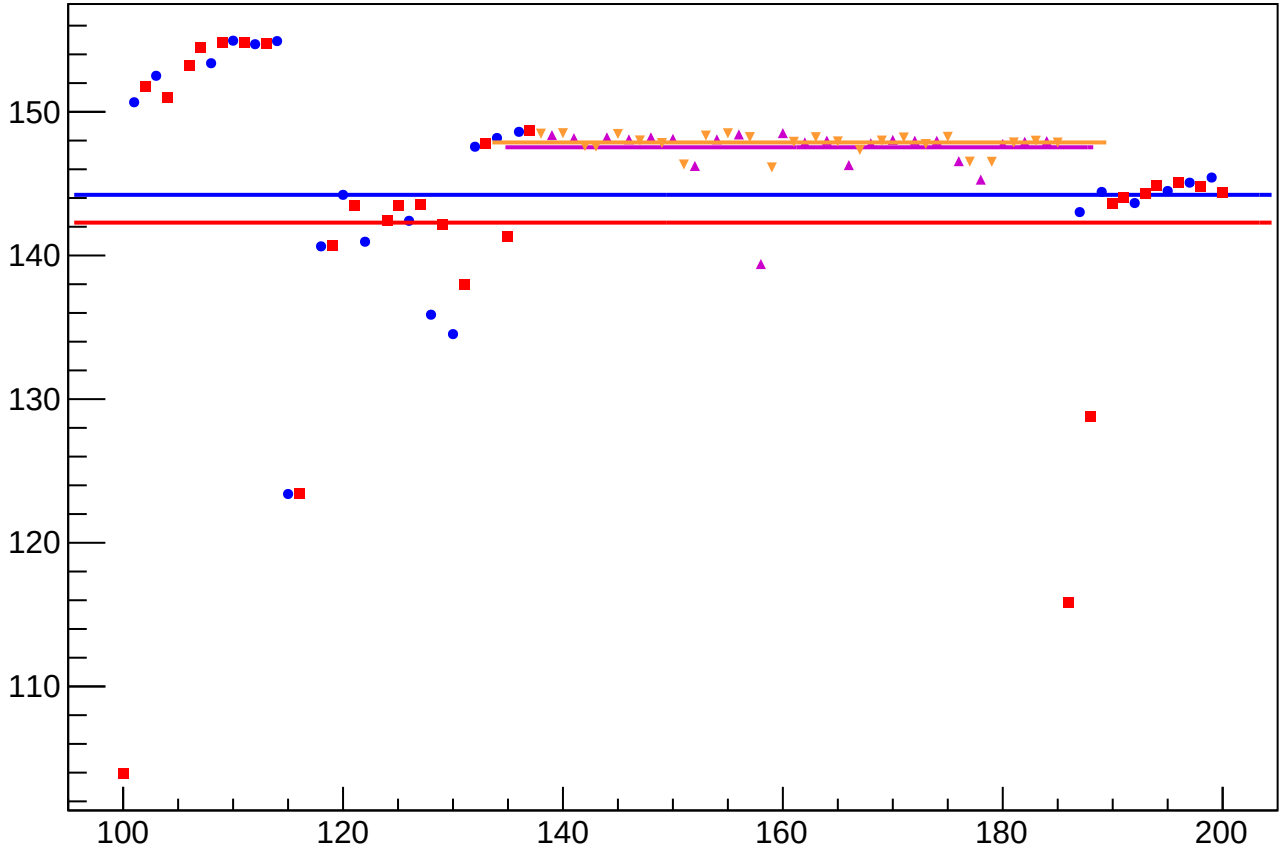
Right: 5181.753+/-0.755 χ^2/NDF: 185052.1/49

In: 4926.219+/-0.658 χ^2/NDF:301103.5/44

Out: 4930.714+/-0.625 χ^2/NDF:277637.8/52

All: 4928.581+/-0.453 χ^2/NDF: 578765.8/97

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.222+/-0.000 χ^2/NDF: 3773997462.2/21

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

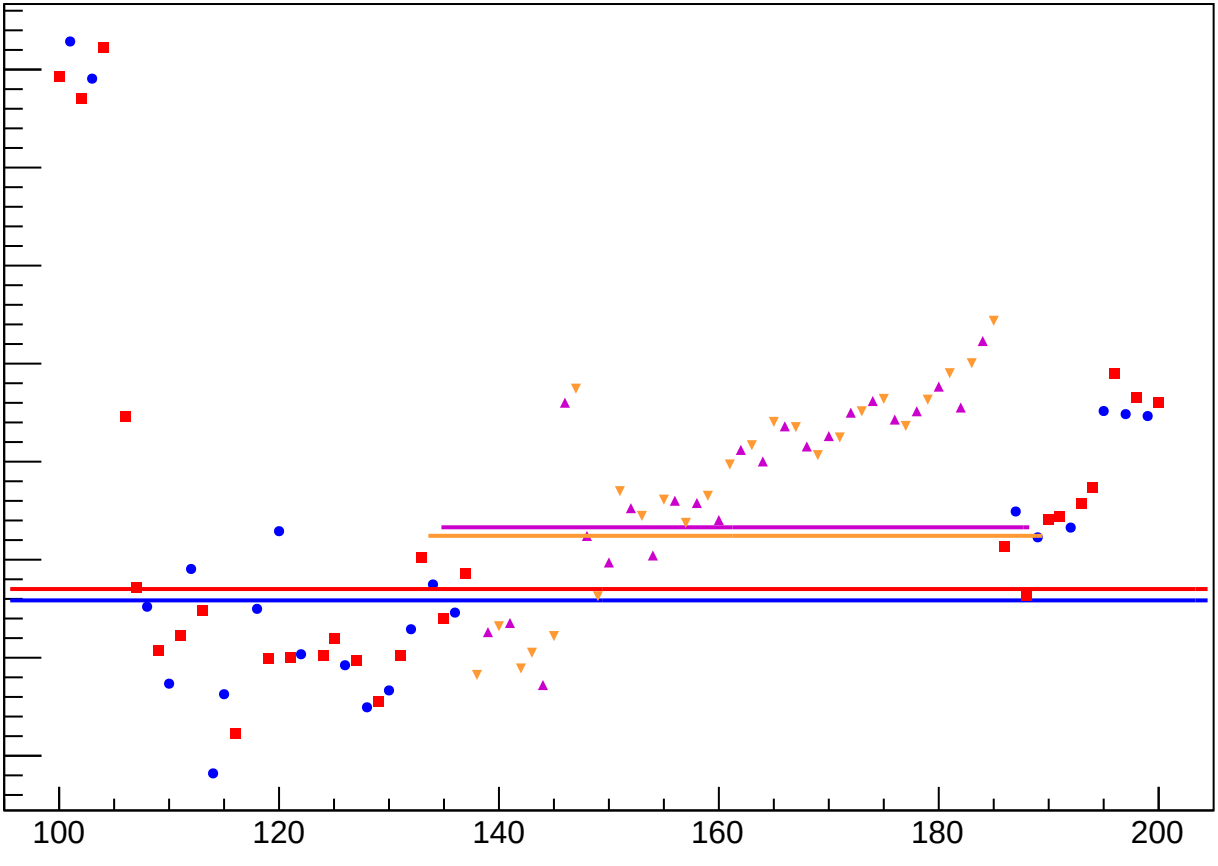
Right: 143.193+/-0.000 χ^2/NDF: 11401129520.2/49

In: 146.036+/-0.000 χ^2/NDF:4526372006.9/44

Out: 145.288+/-0.000 χ^2/NDF:8935731407.1/52

All: 145.643+/-0.000 χ^2/NDF: 13510392829.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.358+/-0.000 χ^2/NDF: 2227959.8/21

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

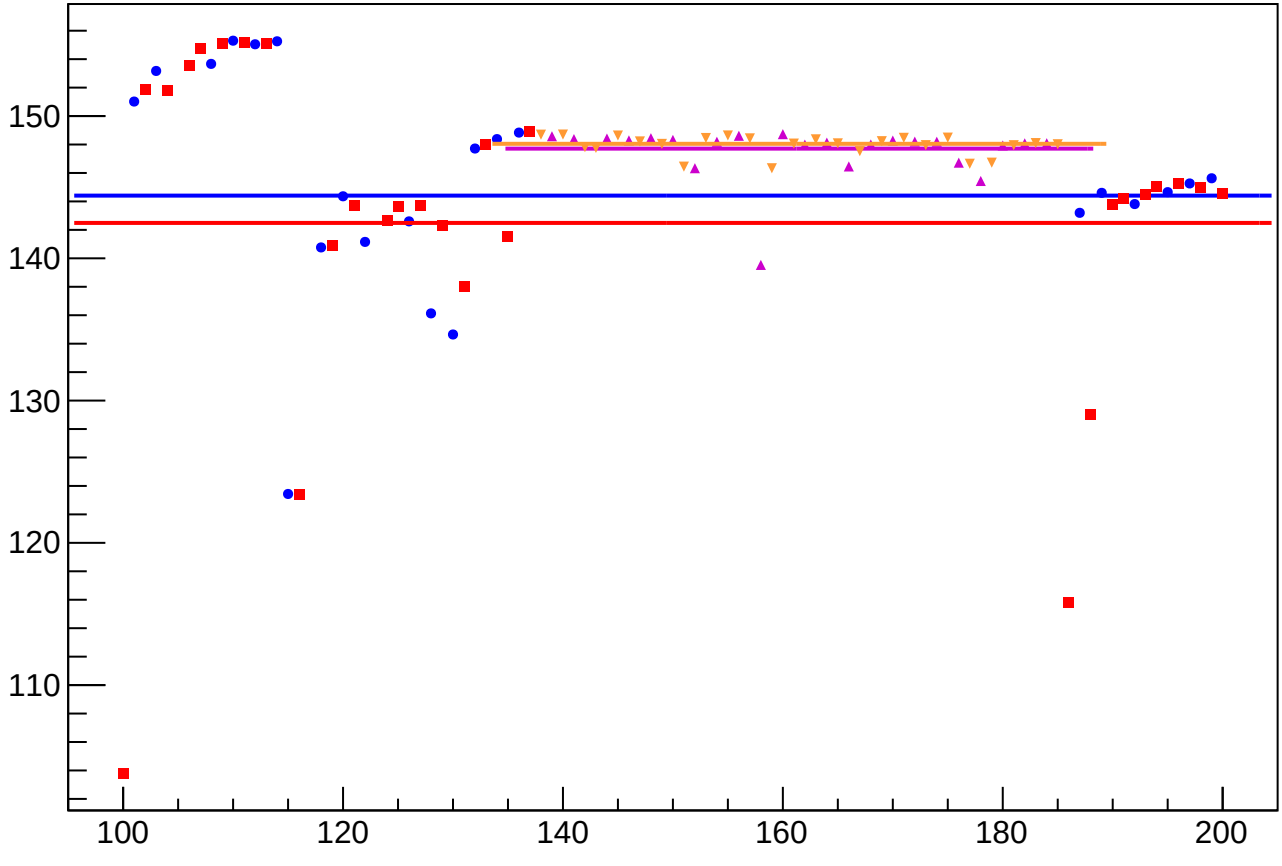
Right: 0.365+/-0.000 χ^2/NDF: 4540397.1/49

In: 0.399+/-0.000 χ^2/NDF:4451034.9/44

Out: 0.399+/-0.000 χ^2/NDF:4829641.0/52

All: 0.399+/-0.000 χ^2/NDF: 9280677.8/97

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.408+/-0.000 χ^2/NDF: 3767892731.8/21

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

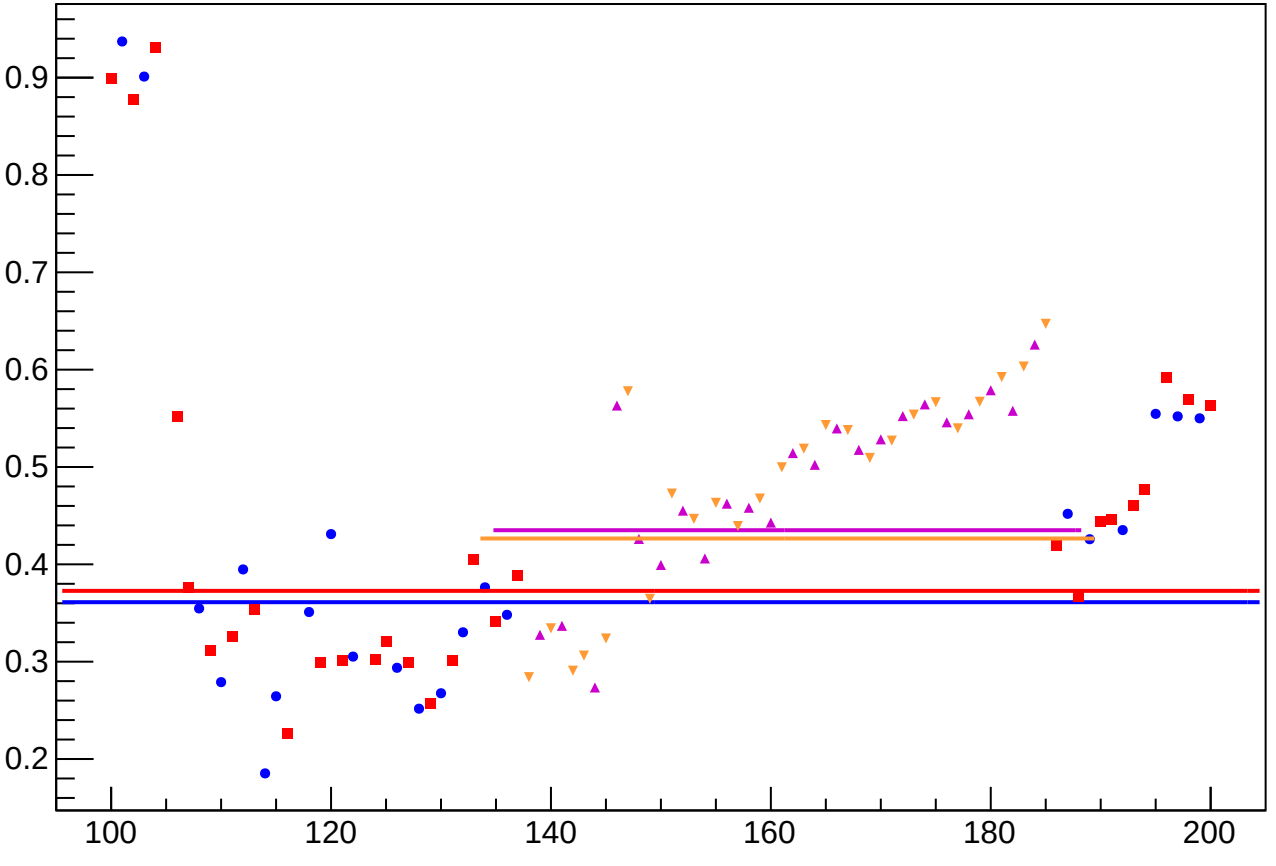
Right: 143.387+/-0.000 χ^2/NDF: 11326078026.6/49

In: 146.222+/-0.000 χ^2/NDF:4517673234.5/44

Out: 145.483+/-0.000 χ^2/NDF:8843486323.7/52

All: 145.834+/-0.000 χ^2/NDF: 13407759079.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.361+/-0.000 χ^2/NDF: 2219608.8/21

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

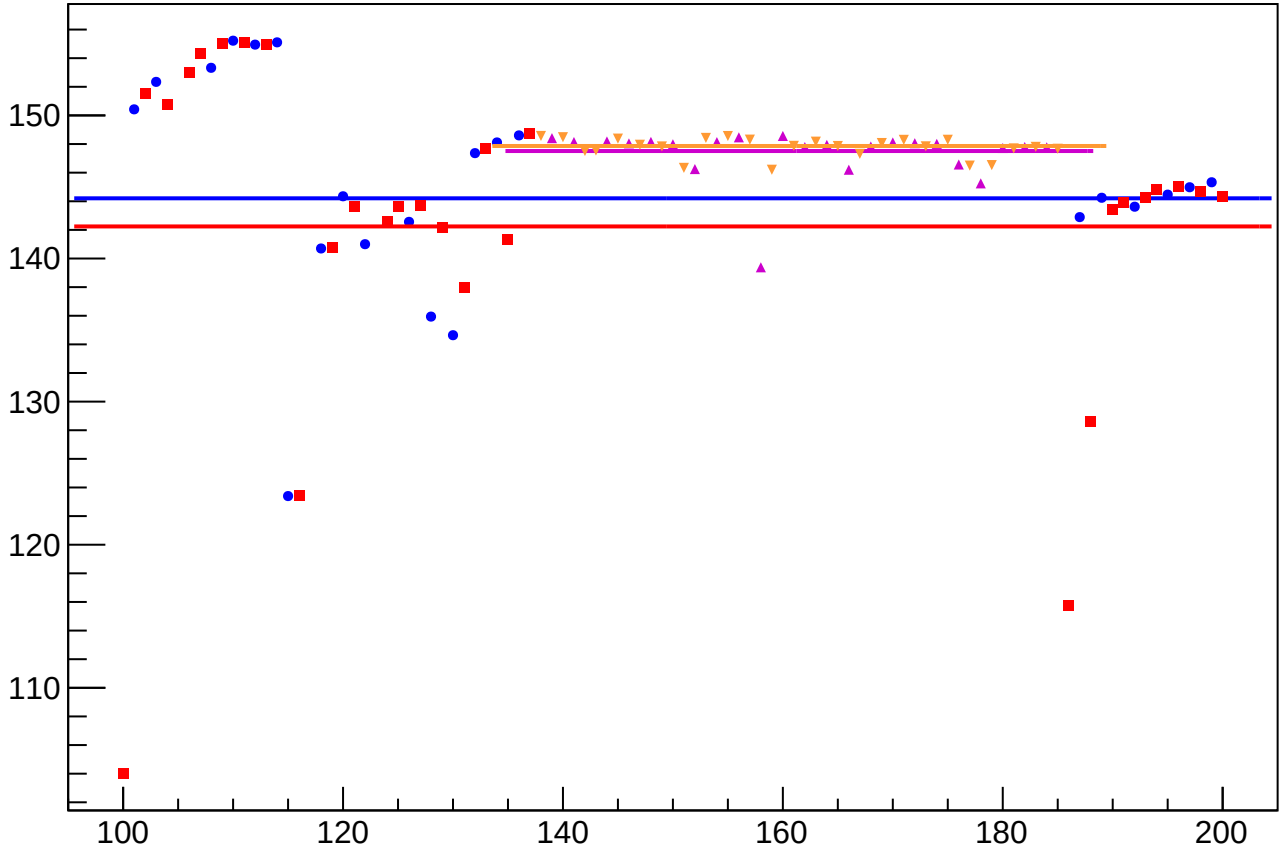
Right: 0.367+/-0.000 χ^2/NDF: 4529154.4/49

In: 0.402+/-0.000 χ^2/NDF:4428622.8/44

Out: 0.402+/-0.000 χ^2/NDF:4815579.6/52

All: 0.402+/-0.000 χ^2/NDF: 9244202.3/97

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

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

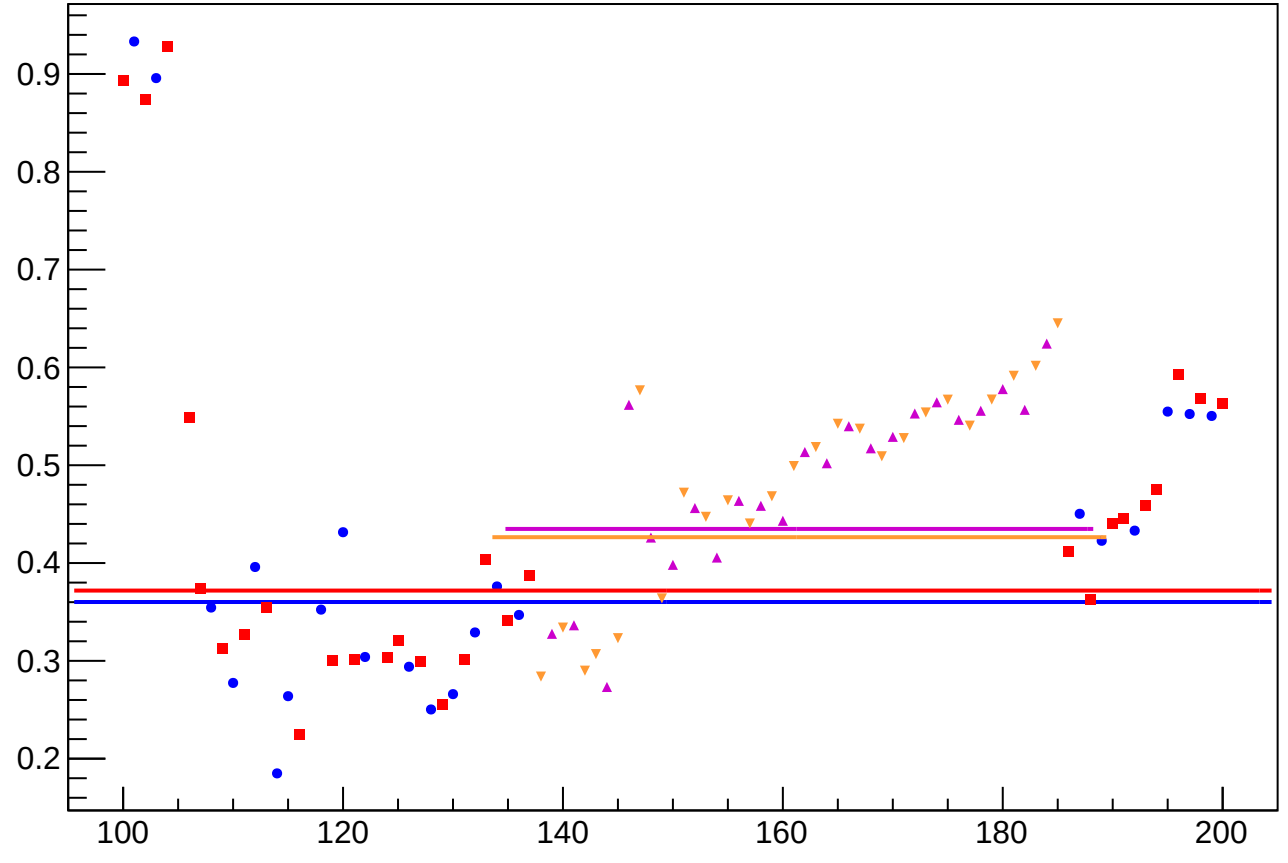
Right: 143.162+/-0.000 χ^2/NDF: 11390305669.8/49

In: 146.019+/-0.000 χ^2/NDF:4479174102.3/44

Out: 145.263+/-0.000 χ^2/NDF:8969894301.3/52

All: 145.621+/-0.000 χ^2/NDF: 13497943649.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

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

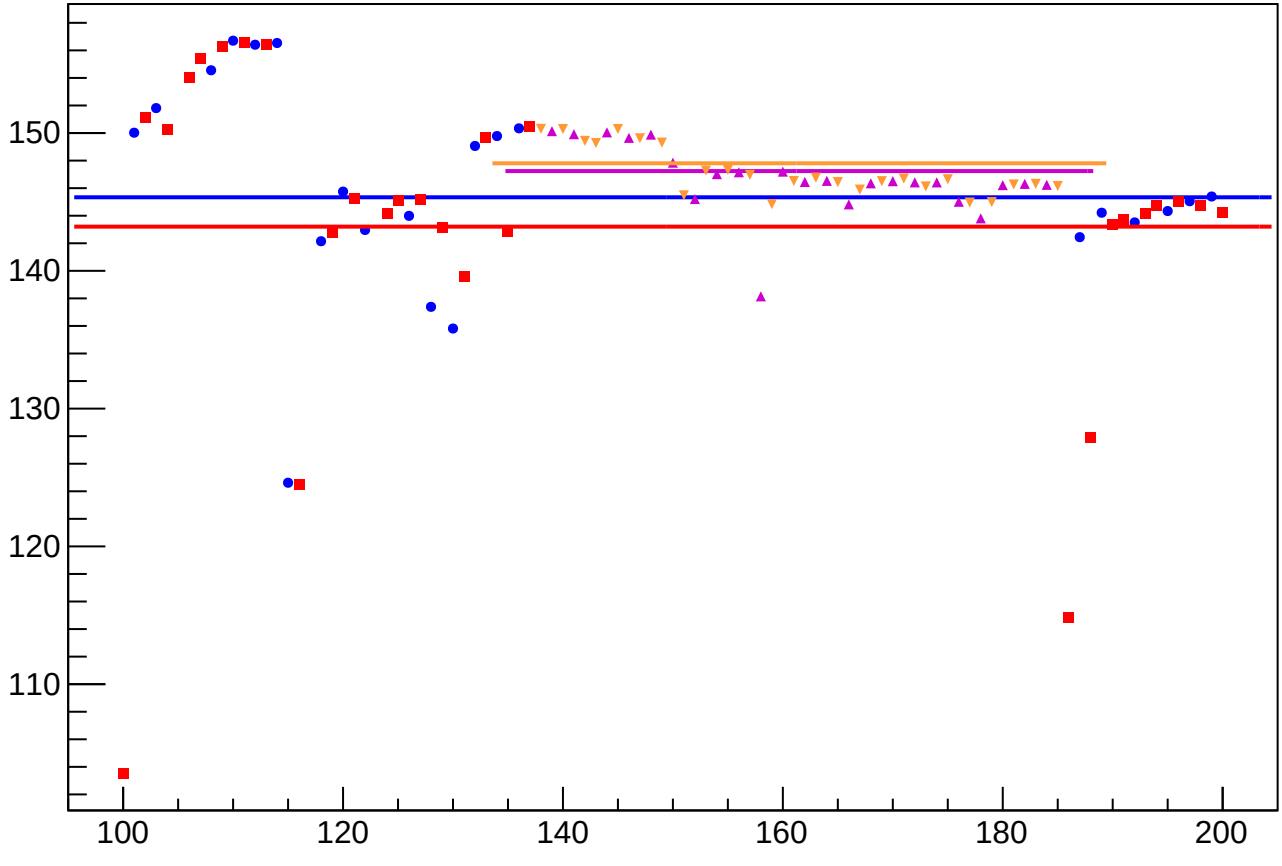
Right: 0.366+/-0.000 χ^2/NDF: 4533398.8/49

In: 0.401+/-0.000 χ^2/NDF:4452355.8/44

Out: 0.401+/-0.000 χ^2/NDF:4821547.1/52

All: 0.401+/-0.000 χ^2/NDF: 9273903.2/97

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.338+/-0.000 χ^2/NDF: 3514985307.8/21

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

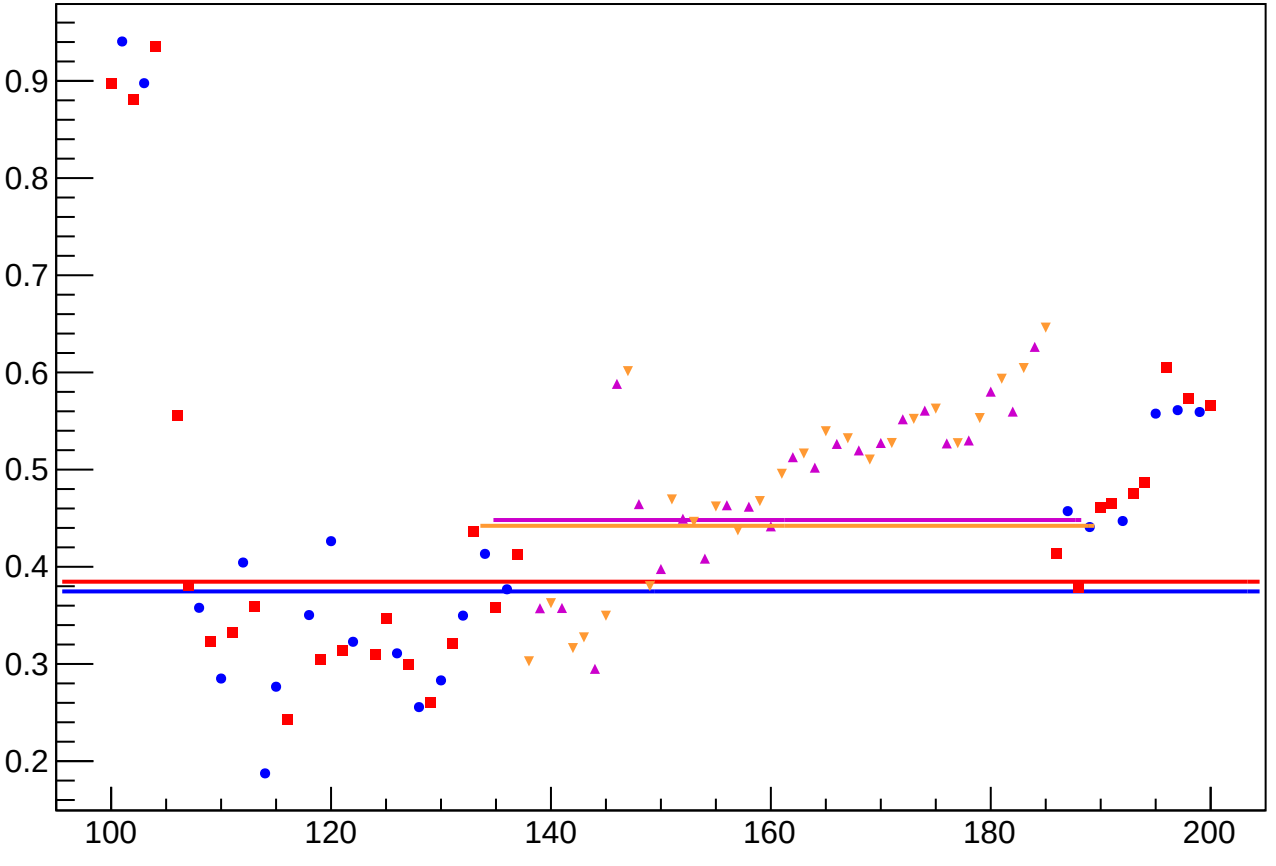
Right: 144.199+/-0.000 χ^2/NDF: 1127942687 5.4/49

In: 146.395+/-0.000 χ^2/NDF:4270515596.8/44

Out: 145.686+/-0.000 χ^2/NDF:8816598093.3/52

All: 146.023+/-0.000 χ^2/NDF: 13127500820.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.375+/-0.000 χ^2/NDF: 2128081.0/21

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

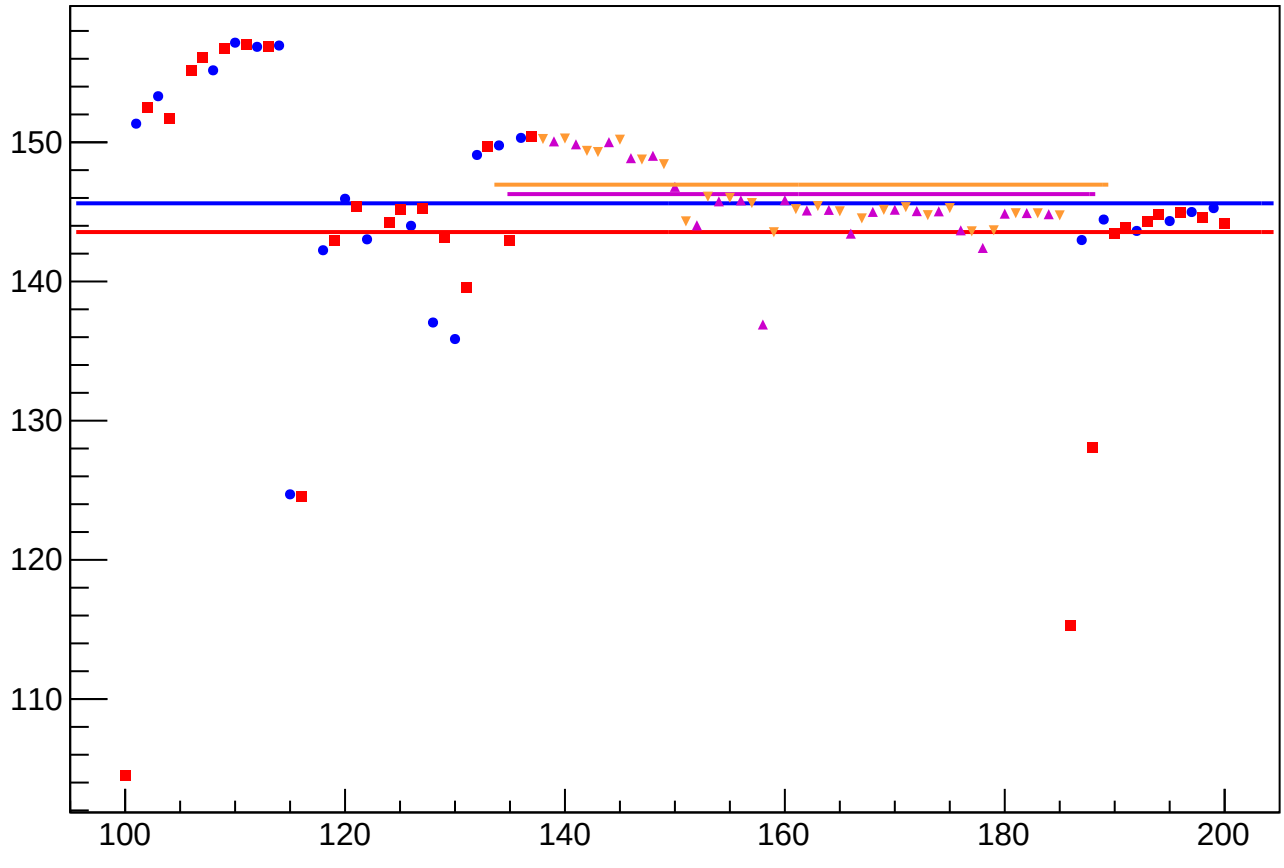
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.380+/-0.000 χ^2/NDF: 4336382.0/49

In: 0.415+/-0.000 χ^2/NDF:3884097.9/44

Out: 0.416+/-0.000 χ^2/NDF:4183912.9/52

All: 0.416+/-0.000 χ^2/NDF: 8068017.2/97



Right In: 145.616+/-0.000 χ^2/NDF: 3660597940.6/21

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

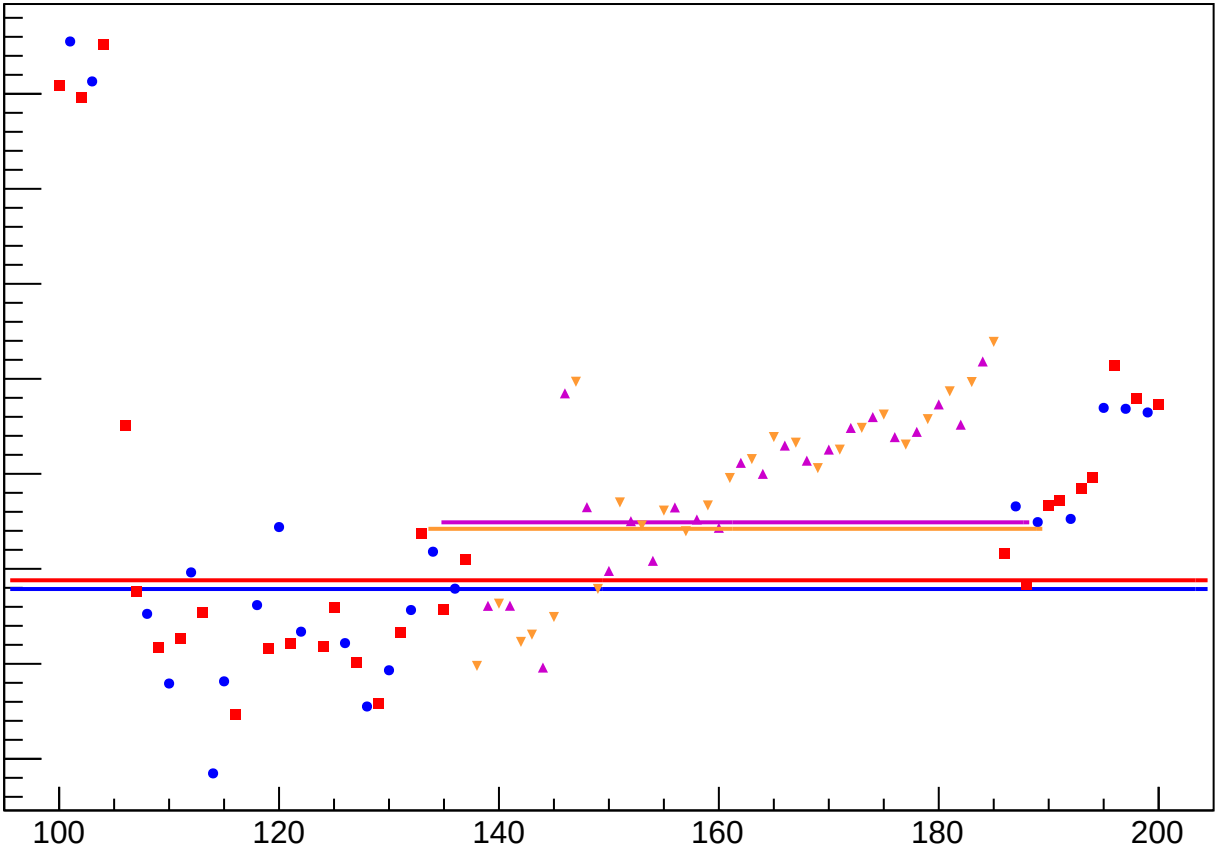
Right: 144.510+/-0.000 χ^2/NDF: 11480011689.3/49

In: 145.987+/-0.000 χ^2/NDF:4502071248.9/44

Out: 145.404+/-0.000 χ^2/NDF:8693745193.1/52

All: 145.680+/-0.000 χ^2/NDF: 13222844906.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.379+/-0.000 χ^2/NDF: 2162990.4/21

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

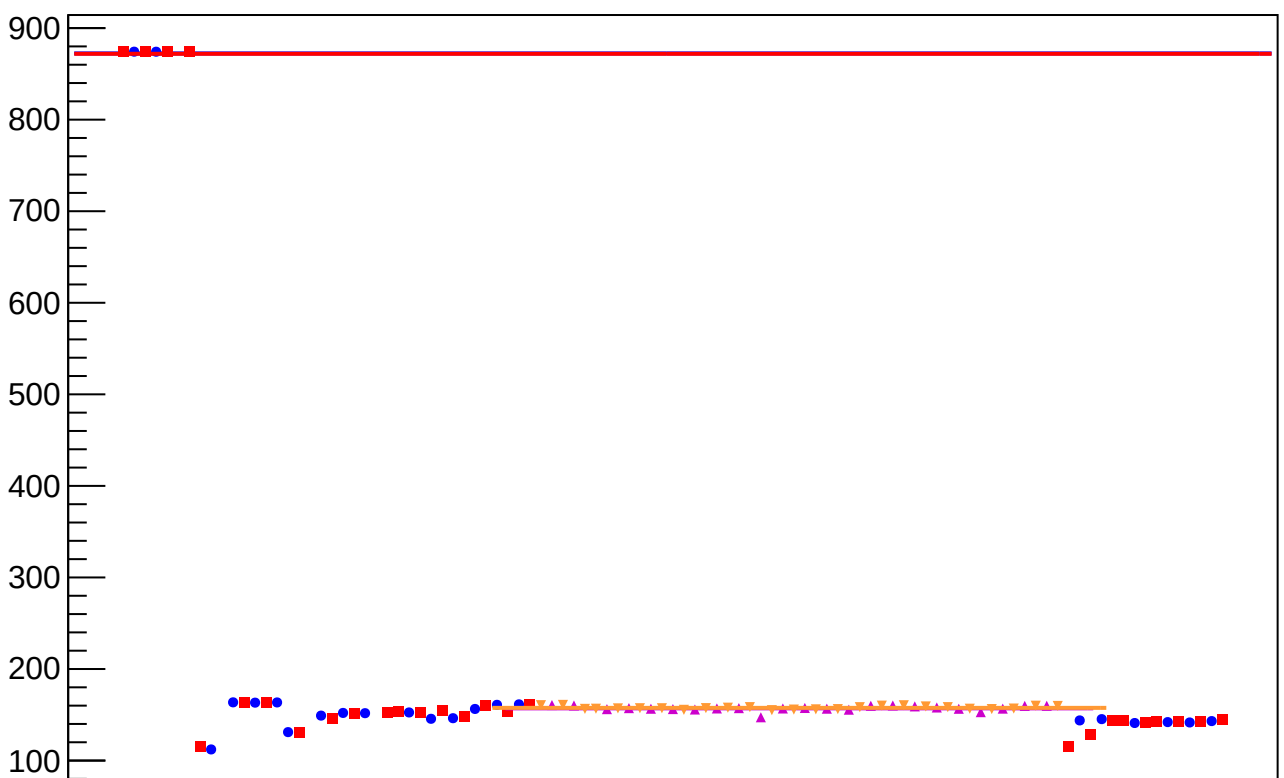
Right: 0.384+/-0.000 χ^2/NDF: 4390308.9/49

In: 0.418+/-0.000 χ^2/NDF:3830587.3/44

Out: 0.417+/-0.000 χ^2/NDF:4142546.4/52

All: 0.418+/-0.000 χ^2/NDF: 7973211.9/97

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.350+/-0.000 χ^2/NDF: 9646293250795.2/21

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.929+/-0.000 χ^2/NDF: 136794403180543/27

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

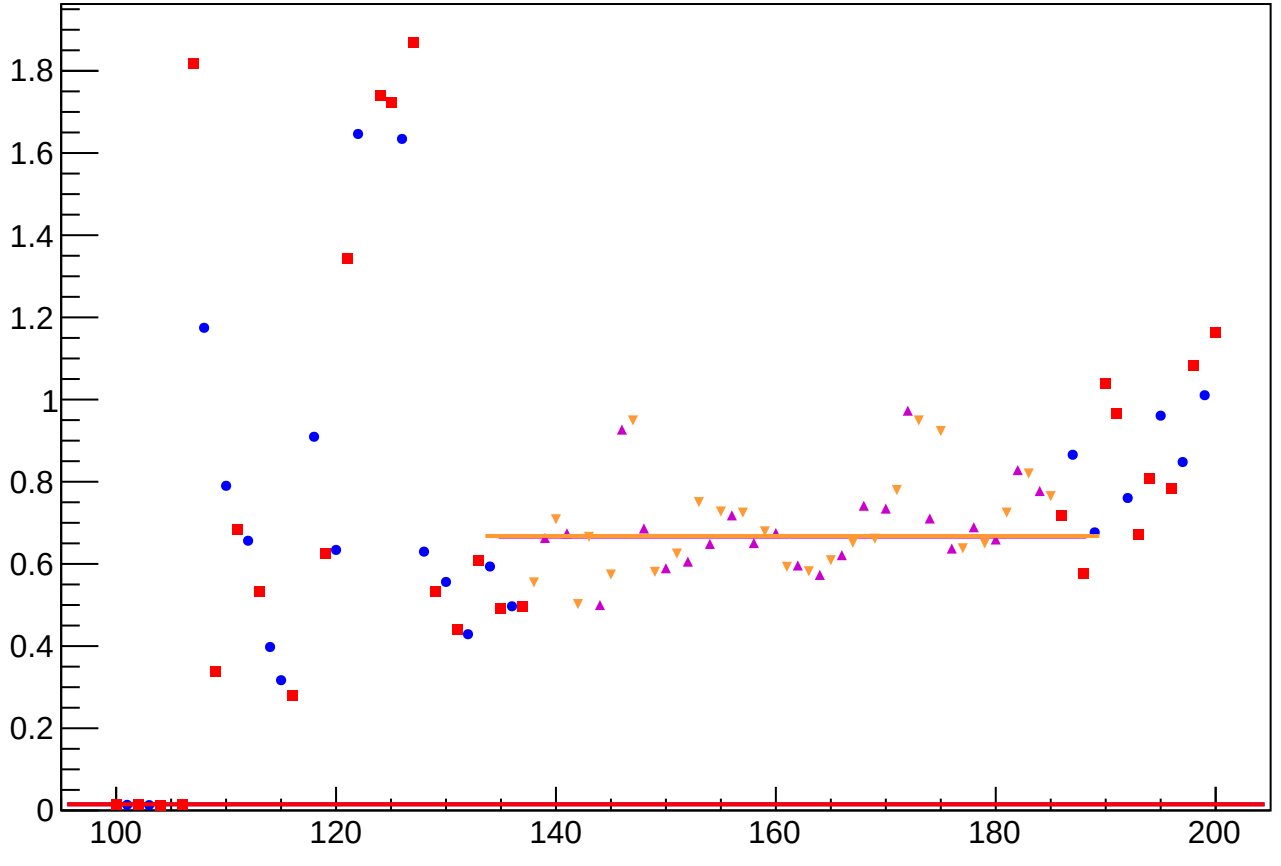
Right: 872.125+/-0.000 χ^2/NDF: 23326409892832.

In: 869.113+/-0.000 χ^2/NDF:26155276150390.2/

Out: 868.996+/-0.000 χ^2/NDF:30898362418276.8

All: 869.050+/-0.000 χ^2/NDF: 57053691157

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 15961222.4/21

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

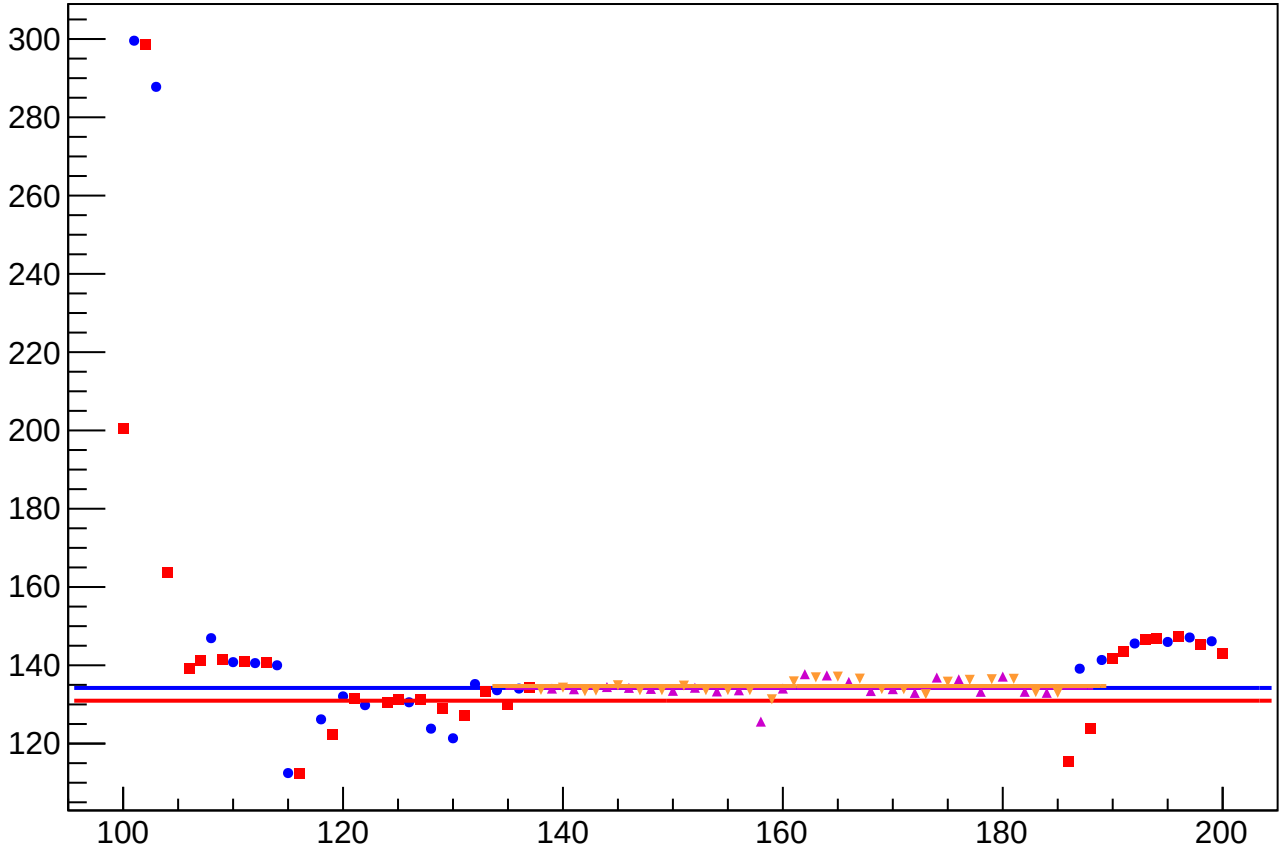
Right: 0.015+/-0.000 χ^2/NDF: 35144196.5/49

In: 0.018+/-0.000 χ^2/NDF:43889013.5/44

Out: 0.018+/-0.000 χ^2/NDF:48638247.8/52

All: 0.018+/-0.000 χ^2/NDF: 92527521.7/97

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 134.214+/-0.000 χ^2/NDF: 2880519234.0/21

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

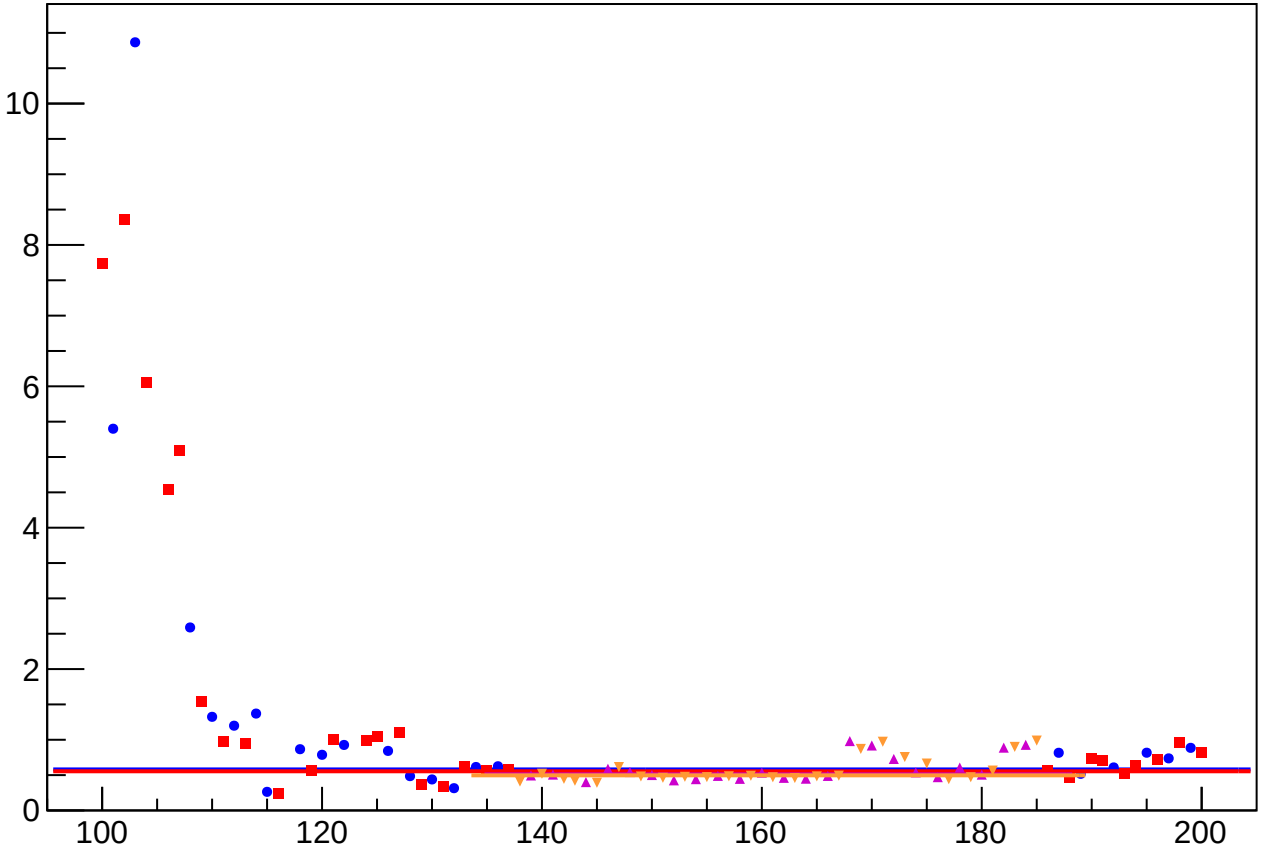
Right: 132.348+/-0.000 χ^2/NDF: 7233554732.1/49

In: 134.241+/-0.000 χ^2/NDF:3322061197.2/44

Out: 133.628+/-0.000 χ^2/NDF:4662546865.1/52

All: 133.911+/-0.000 χ^2/NDF: 8000934958.4

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.580+/-0.000 χ^2/NDF: 4624116.9/21

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

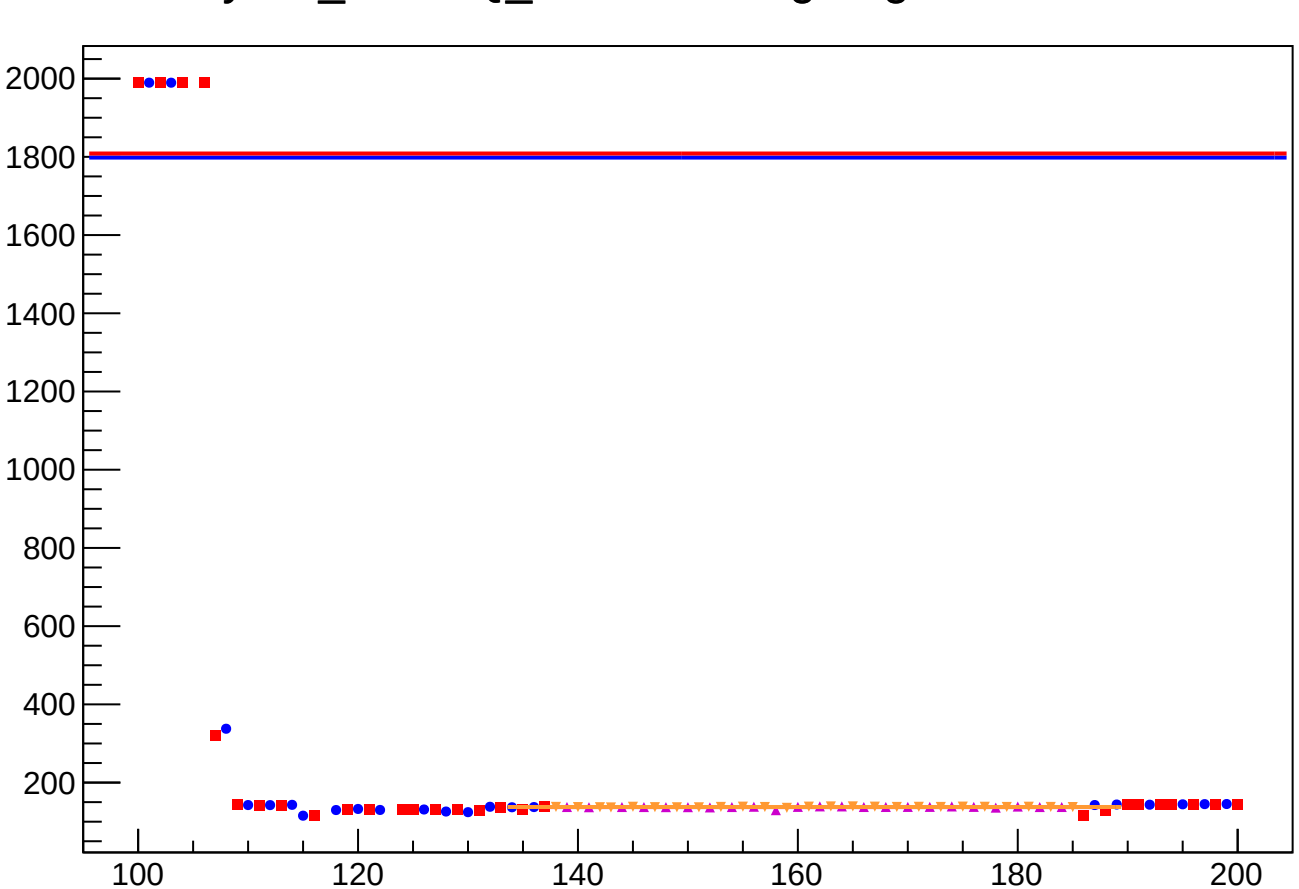
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.565+/-0.000 χ^2/NDF: 10239108.3/49

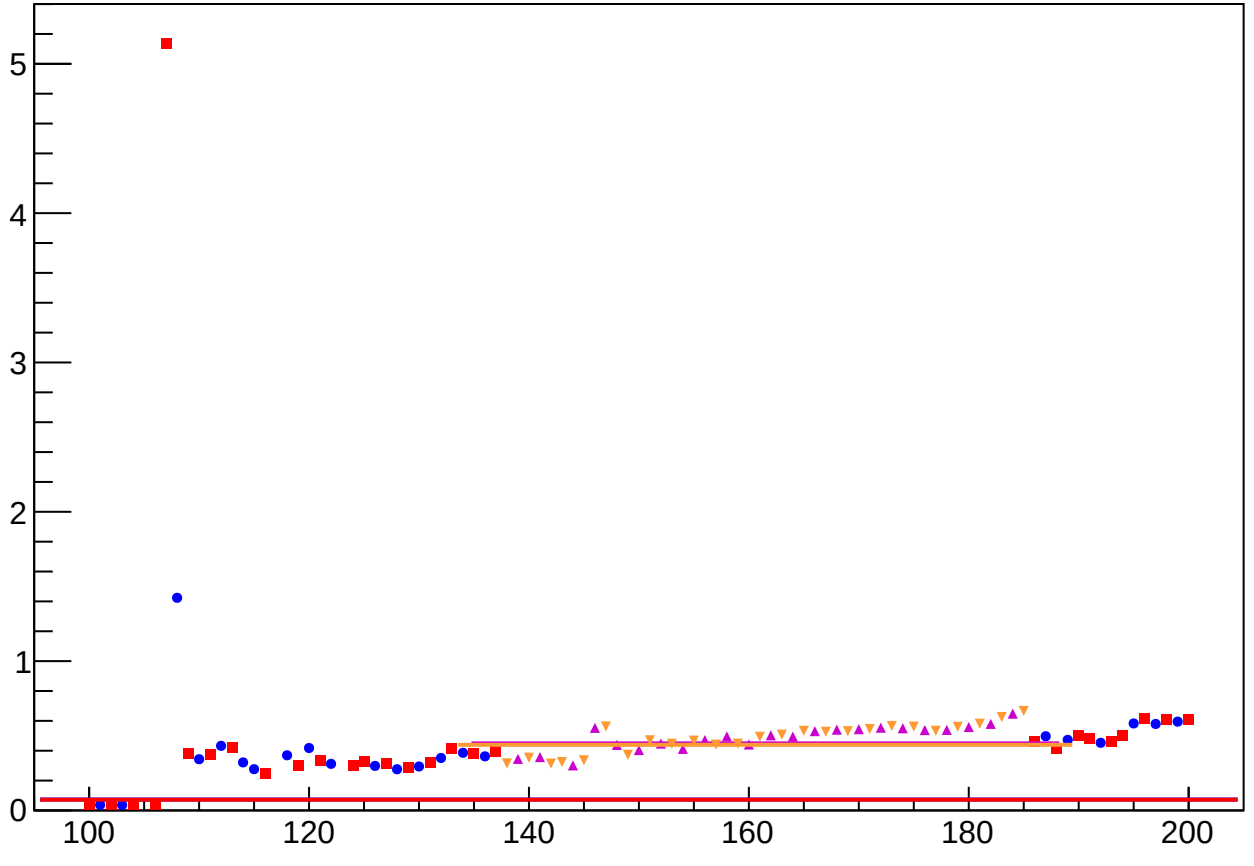
In: 0.527+/-0.000 χ^2/NDF:6262113.4/44

Out: 0.513+/-0.000 χ^2/NDF:7298439.9/52

All: 0.520+/-0.000 χ^2/NDF: 13577447.3/97


yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 1798.156+/-0.000 χ²/NDF: 186171651299855.8/21
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1808.547+/-0.000 χ²/NDF: 208833838392874.9/27
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1803.776+/-0.000 χ²/NDF: 39503963901427
In: 1587.612+/-0.000 χ²/NDF:390617907363875.
Out: 1610.071+/-0.000 χ²/NDF:437279199808176
All: 1599.709+/-0.000 χ²/NDF: 8280790258

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 14246051.3/21

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

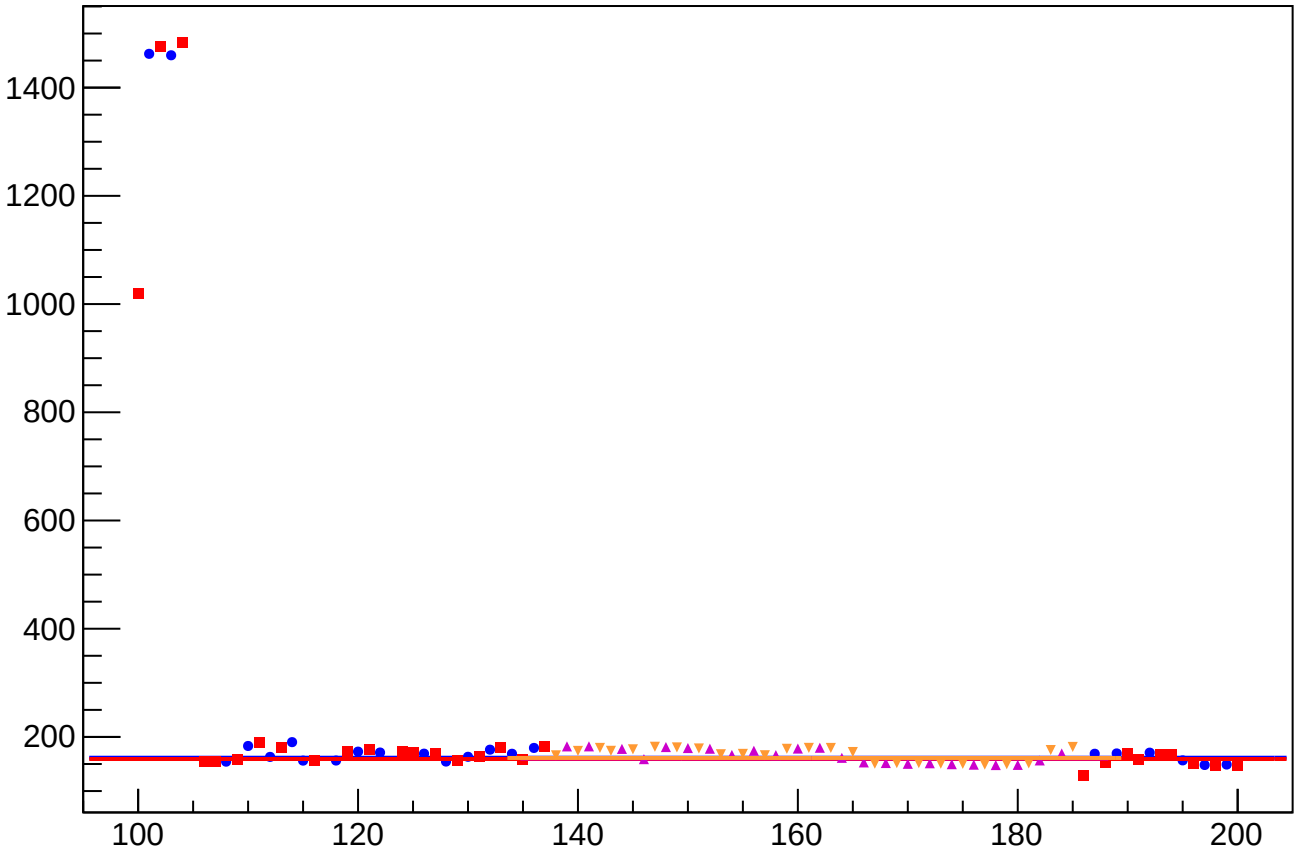
Right: 0.073+/-0.000 χ^2/NDF: 31050886.7/49

In: 0.121+/-0.000 χ^2/NDF:36563303.7/44

Out: 0.116+/-0.000 χ^2/NDF:40662940.0/52

All: 0.118+/-0.000 χ^2/NDF: 77244478.7/97

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 161.581+/-0.000 χ^2/NDF: 15490801064.1/21

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

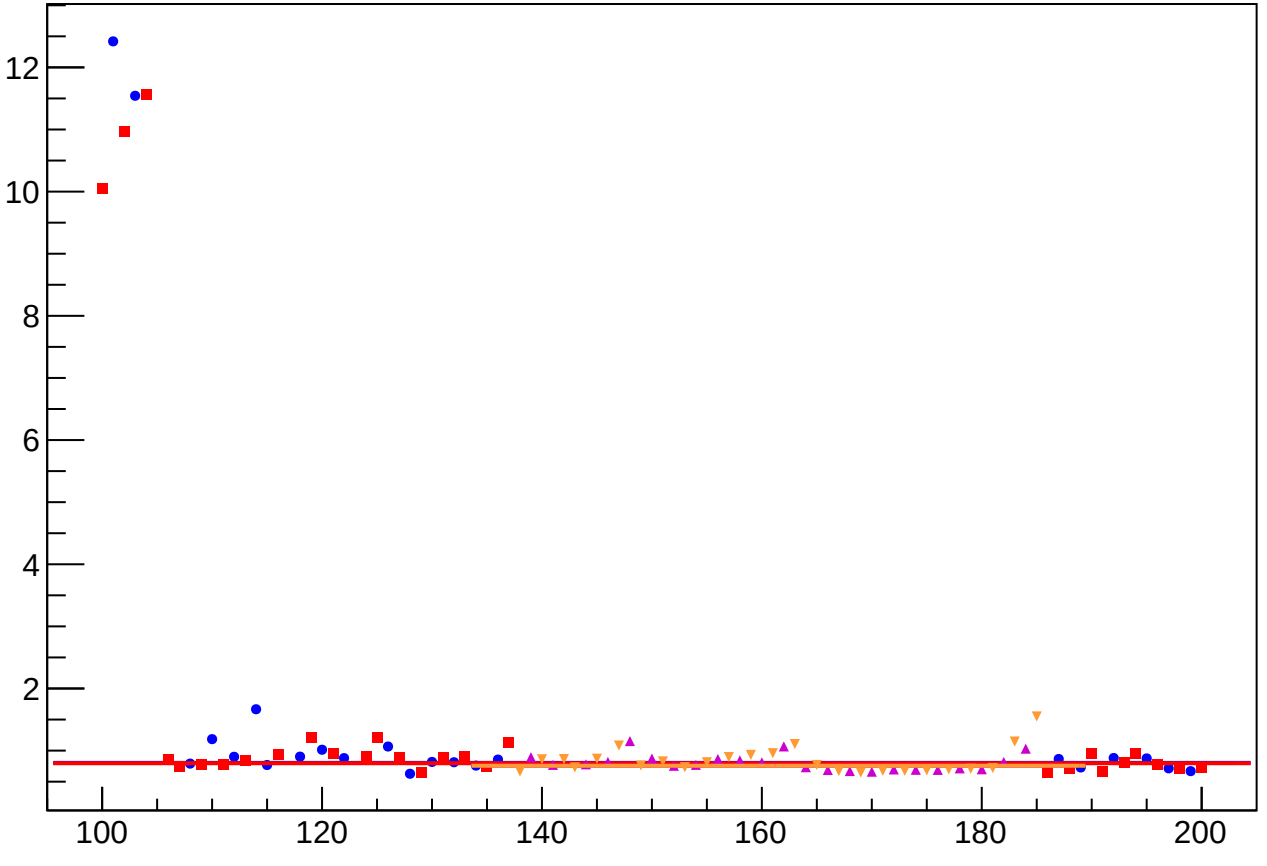
Right: 160.269+/-0.000 χ^2/NDF: 33571058804.7/49

In: 160.613+/-0.000 χ^2/NDF:19245271215.2/44

Out: 160.433+/-0.000 χ^2/NDF:21817339999.1/52

All: 160.518+/-0.000 χ^2/NDF: 41063211836.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.802+/-0.000 χ^2/NDF: 2451649.9/21

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

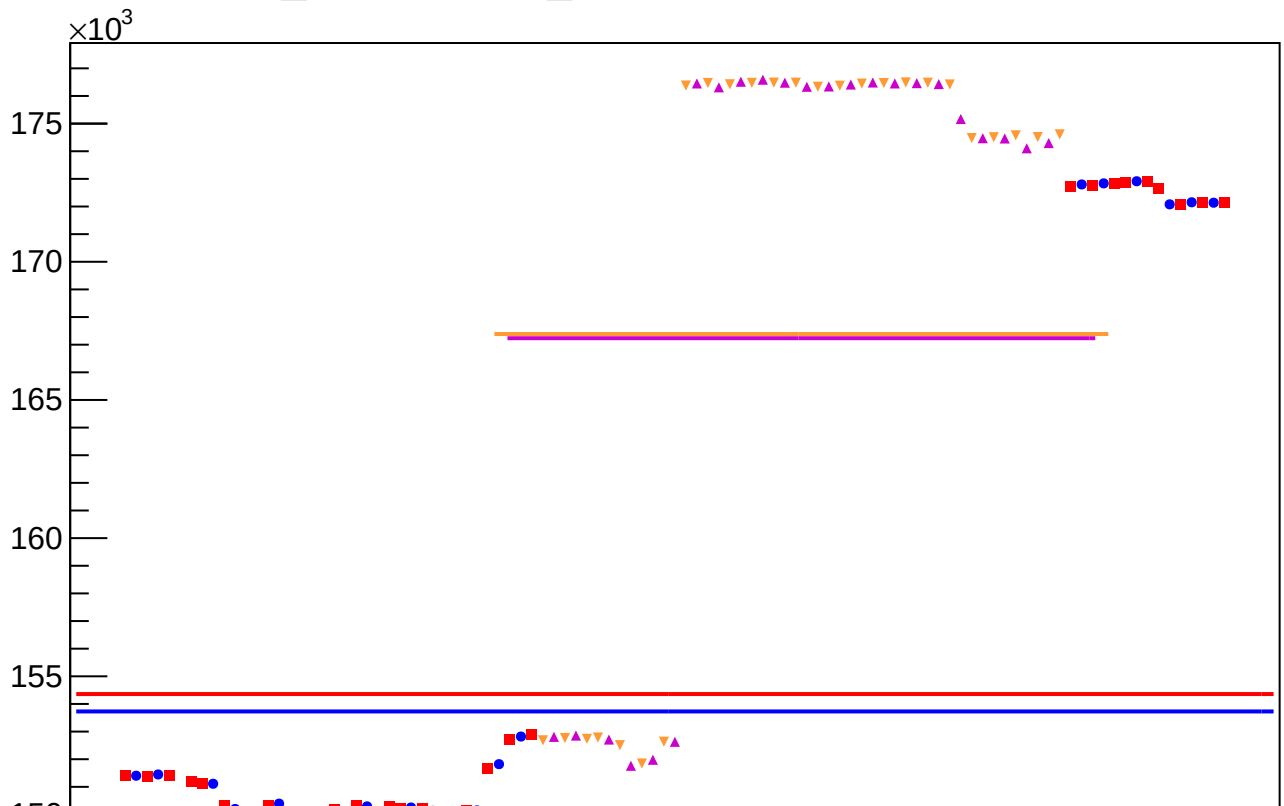
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.799+/-0.000 χ^2/NDF: 4876841.6/49

In: 0.771+/-0.000 χ^2/NDF:2958303.4/44

Out: 0.771+/-0.000 χ^2/NDF:3205023.0/52

All: 0.771+/-0.000 χ^2/NDF: 6163339.7/97



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

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.

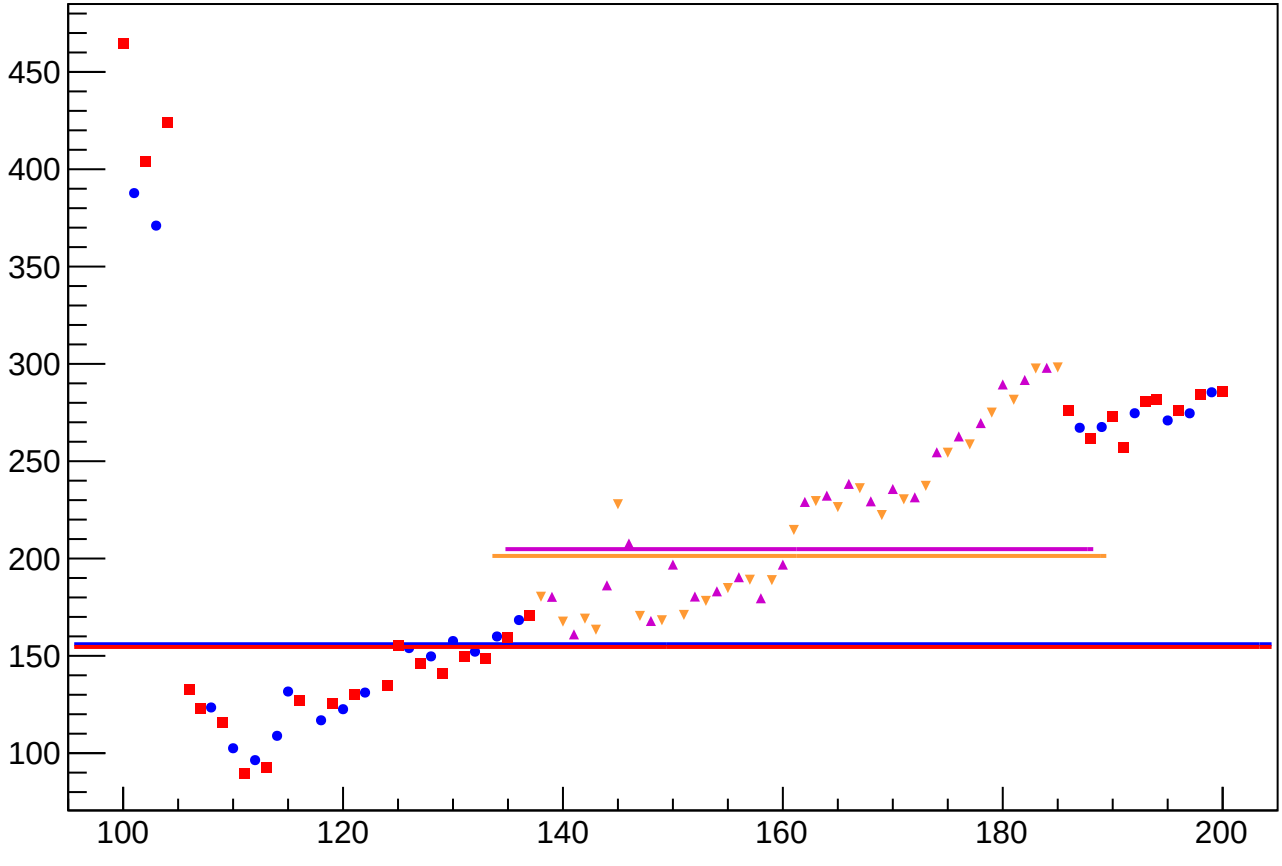
Right: 154070.099+/-0.034 χ^2/NDF: 55761218348.

In: 160704.044+/-0.035 χ^2/NDF:115430671756.0

Out: 160820.283+/-0.033 χ^2/NDF:131038574115.

All: 160765.931+/-0.024 χ^2/NDF: 24647507

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

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

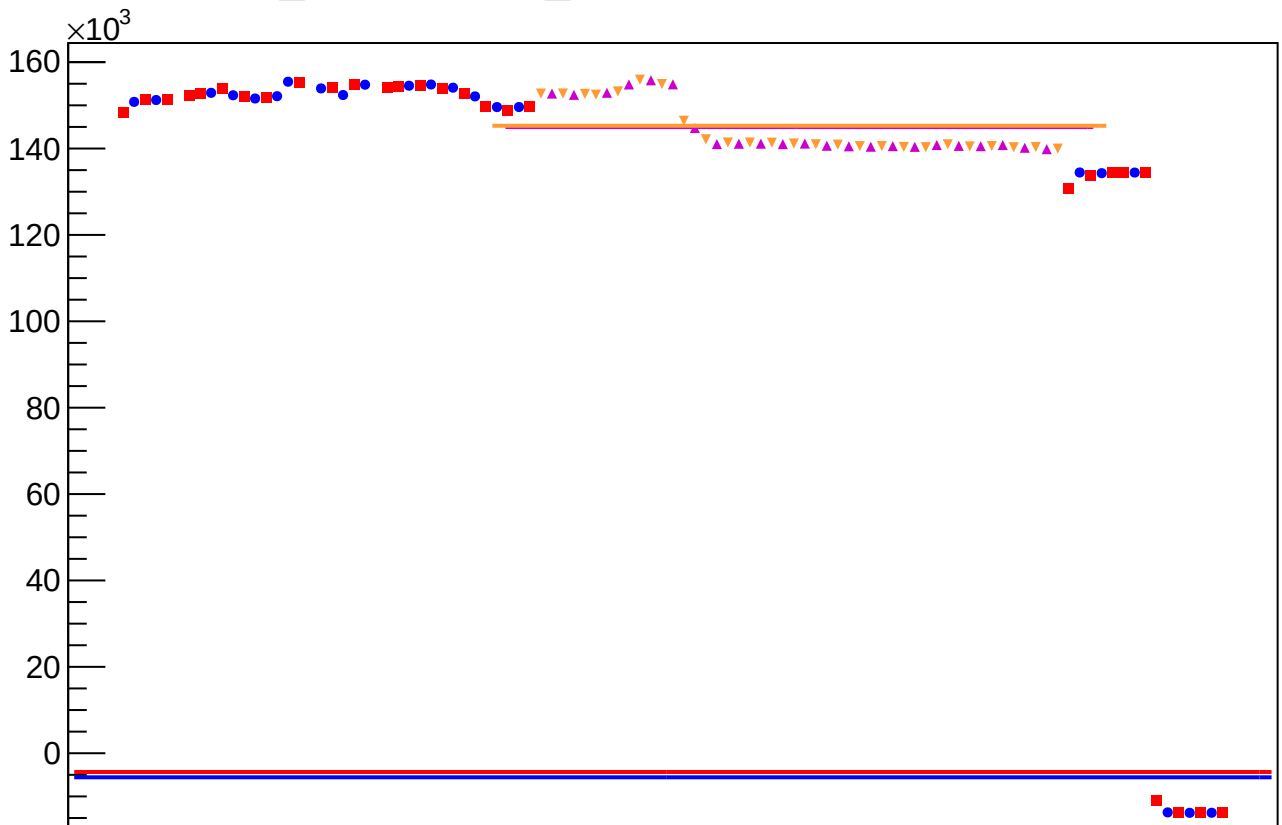
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 155.206+/-0.024 χ^2/NDF: 7795827.3/49

In: 181.199+/-0.025 χ^2/NDF:5307689.7/44

Out: 177.764+/-0.023 χ^2/NDF:6746975.0/52

All: 179.370+/-0.017 χ^2/NDF: 12064849.3/97



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

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

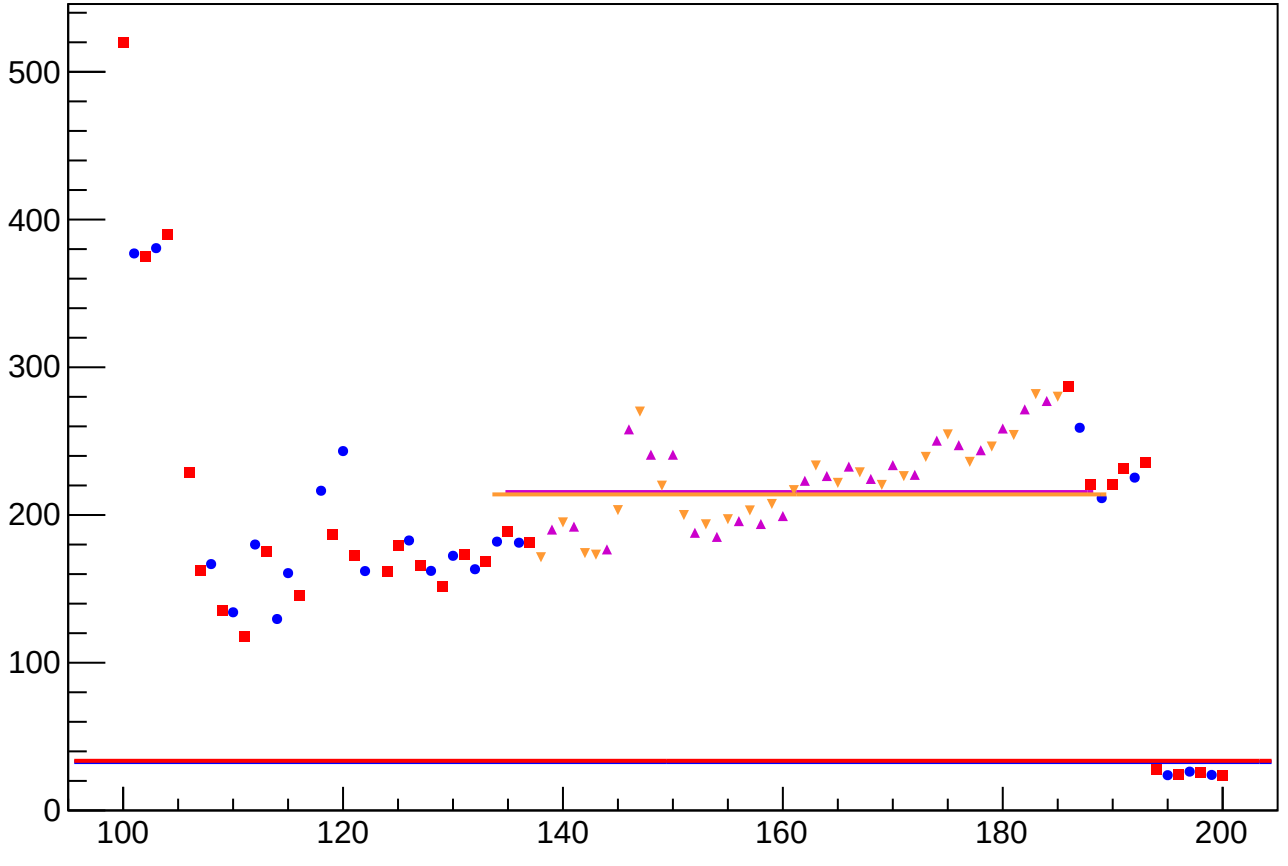
Right: -4927.111+/-0.010 χ^2/NDF: 1257815413967

In: 6278.406+/-0.014 χ^2/NDF:13660159930731.7

Out: 7112.251+/-0.014 χ^2/NDF:15378775739794.

All: 6716.140+/-0.010 χ^2/NDF: 2904070407

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

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

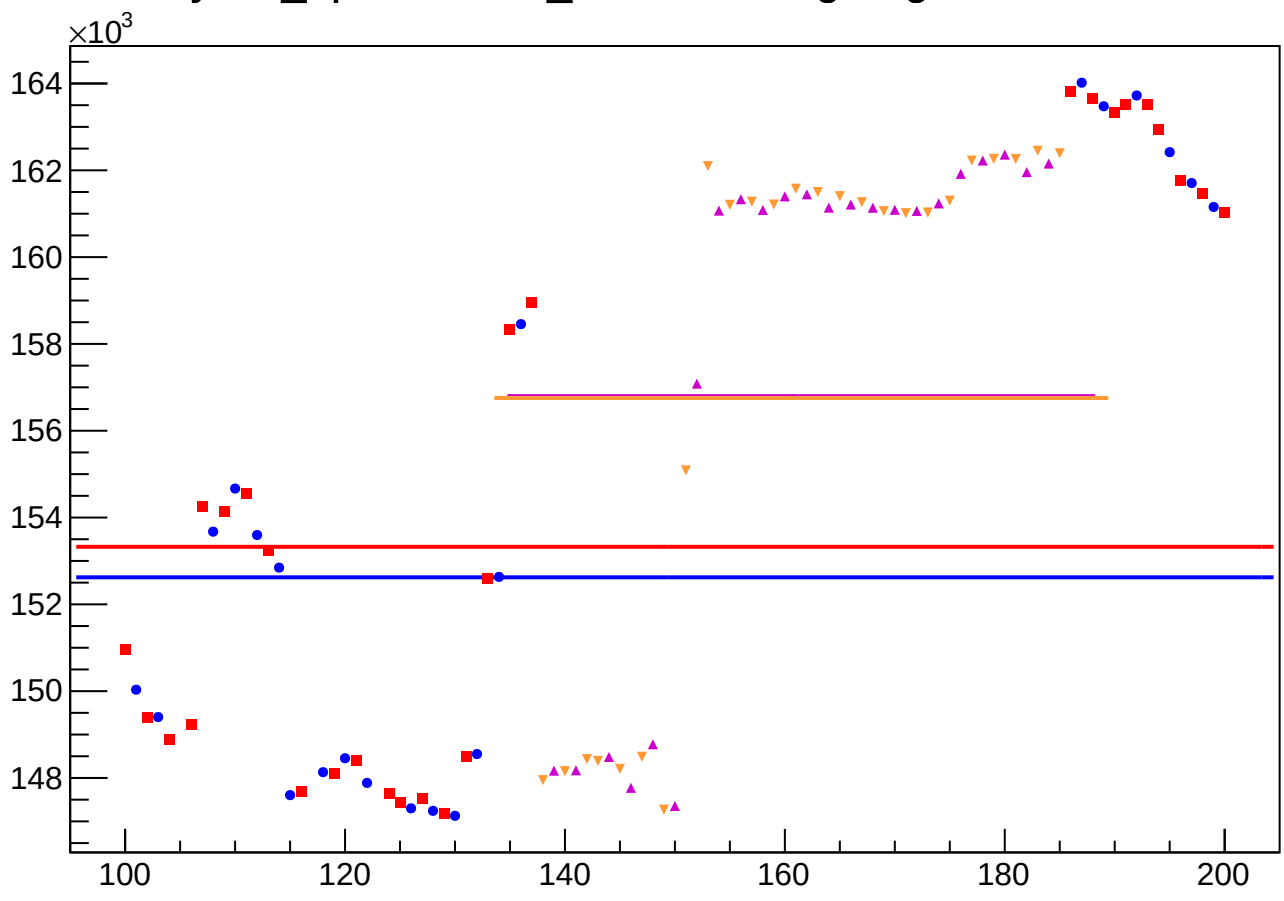
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 33.202+/-0.007 χ^2/NDF: 26171068.8/49

In: 47.143+/-0.010 χ^2/NDF:36332727.5/44

Out: 47.418+/-0.010 χ^2/NDF:39191844.4/52

All: 47.287+/-0.007 χ^2/NDF: 75524956.8/97



Right In: 152622.730+/-0.058 χ^2/NDF: 8967481903.7/21

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

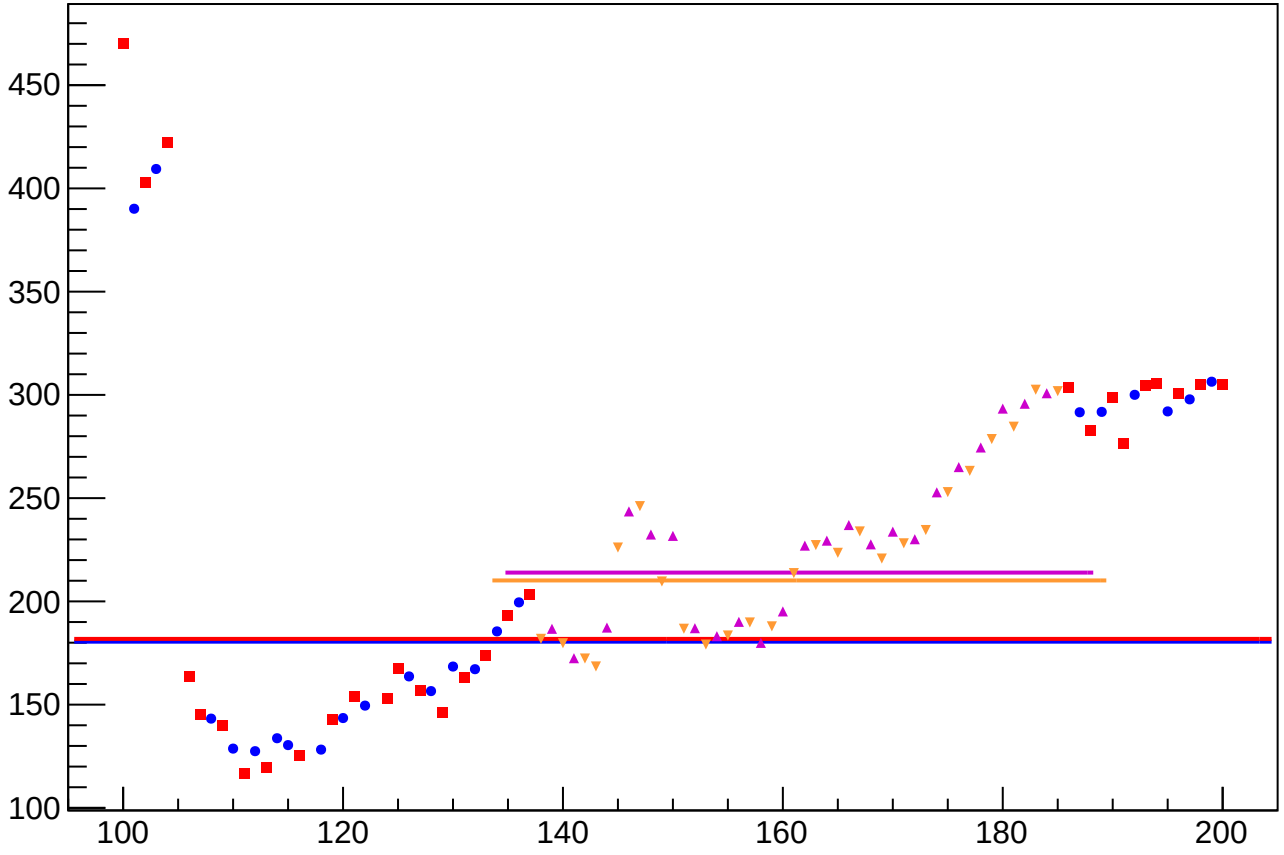
Right: 152998.614+/-0.039 χ^2/NDF: 19836710687.4

In: 154966.624+/-0.038 χ^2/NDF:26257039091.3/4

Out: 155210.995+/-0.036 χ^2/NDF:29407086728.8

All: 155095.739+/-0.026 χ^2/NDF: 5568577

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 180.496+/-0.041 χ^2/NDF: 2776240.6/21

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

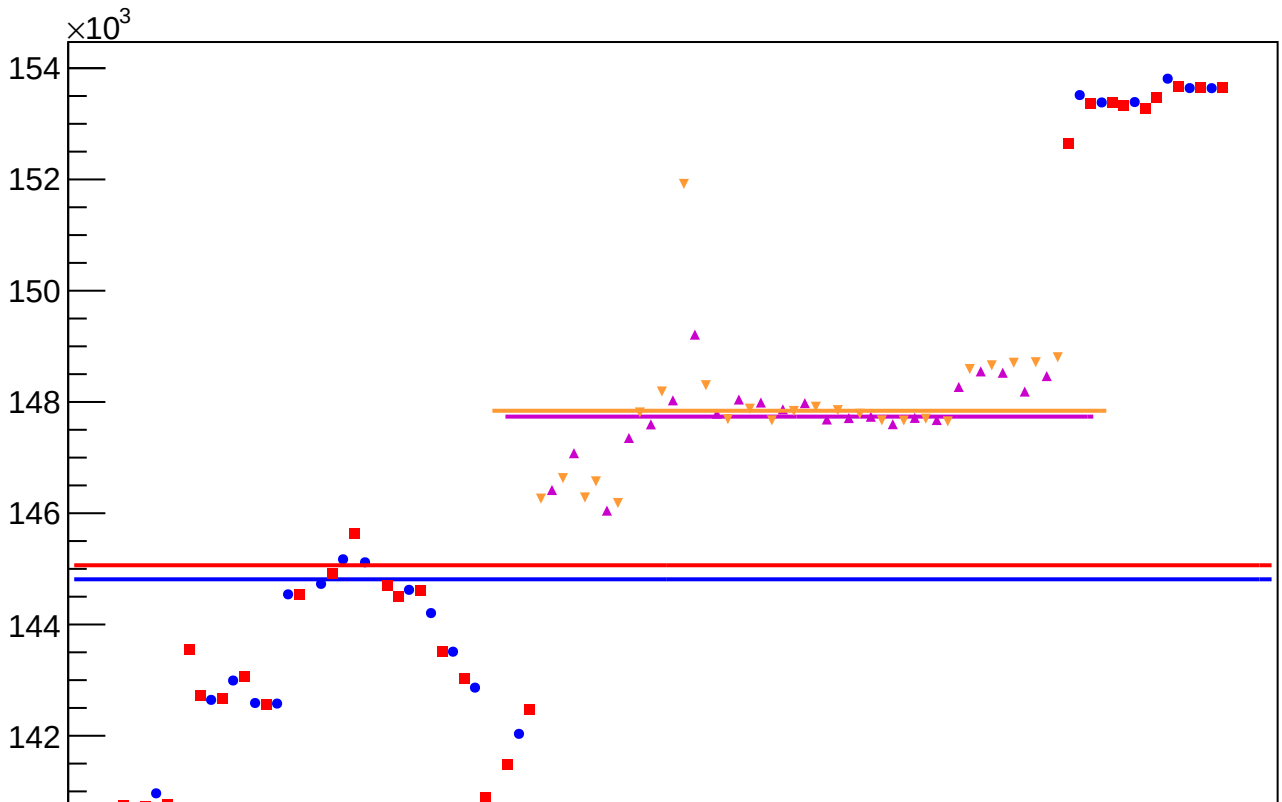
Right: 181.212+/-0.028 χ^2/NDF: 6400416.6/49

In: 199.274+/-0.027 χ^2/NDF:4068776.7/44

Out: 197.400+/-0.026 χ^2/NDF:4926335.3/52

All: 198.284+/-0.019 χ^2/NDF: 8997656.7/97

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 144812.328+/-0.049 χ^2/NDF: 5987362687.3/21

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

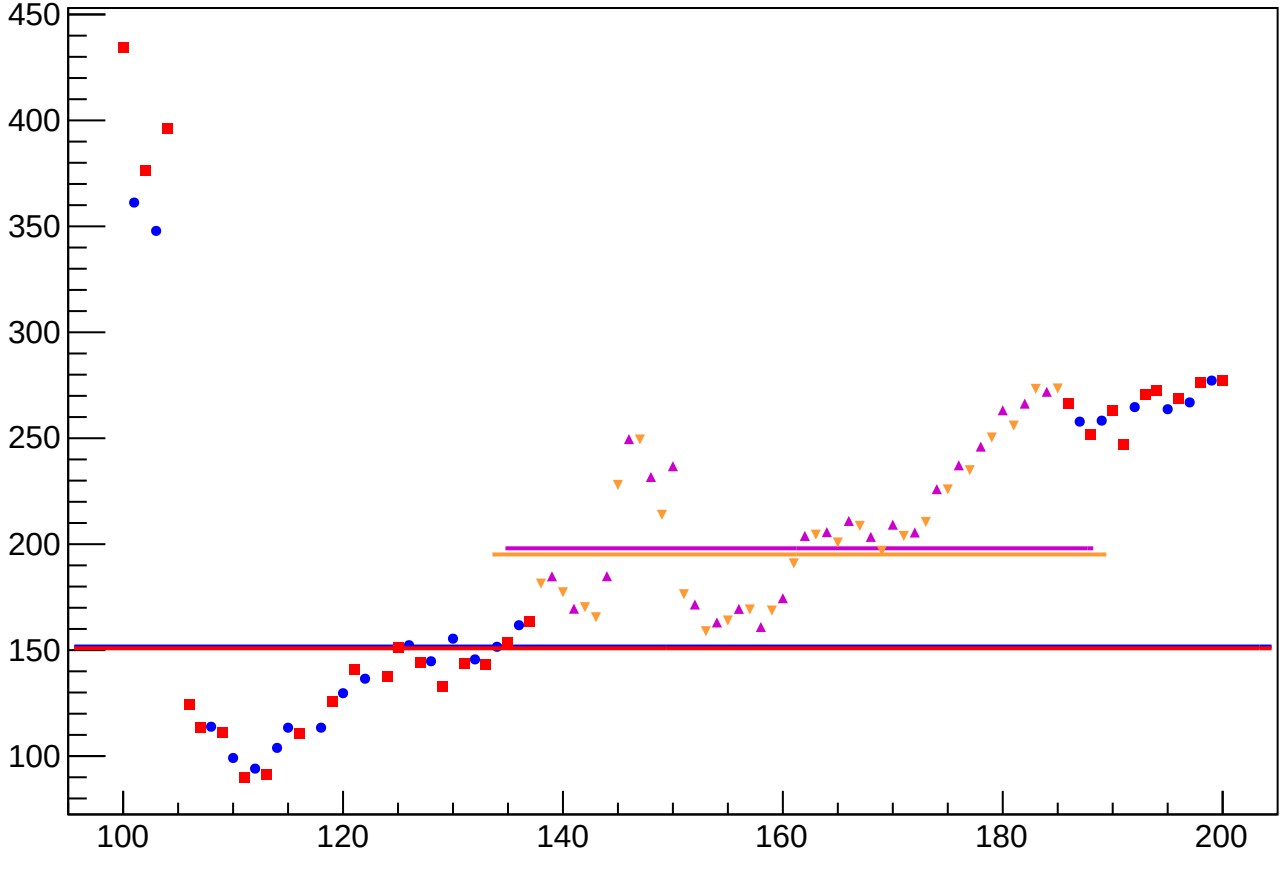
Right: 144949.217+/-0.033 χ^2/NDF: 13929971480.

In: 146332.955+/-0.034 χ^2/NDF:8058410527.8/44

Out: 146453.897+/-0.032 χ^2/NDF:10534312101.8

All: 146397.287+/-0.023 χ^2/NDF: 18599436

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 151.696+/-0.035 χ^2/NDF: 3234180.1/21

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

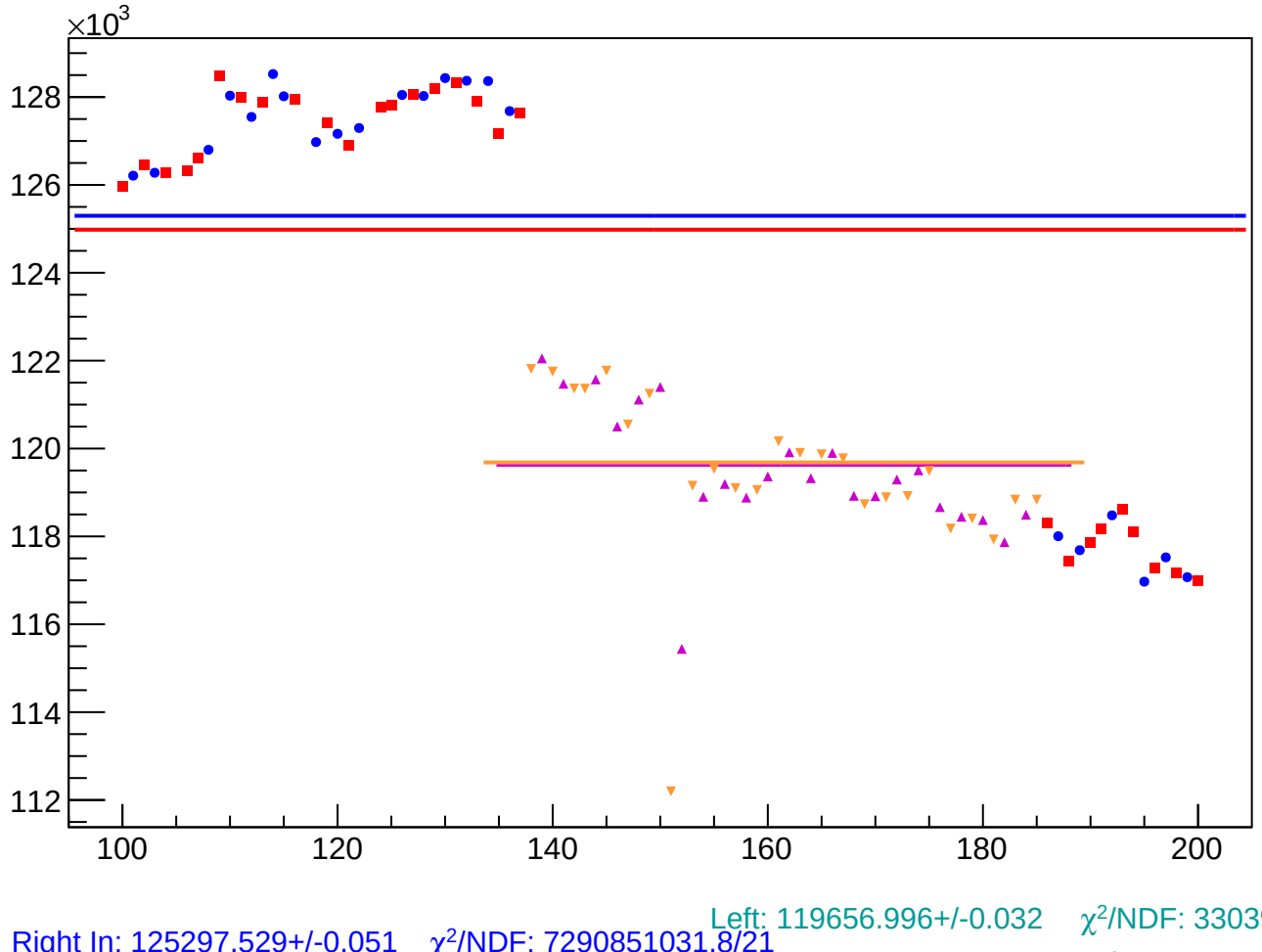
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 151.252+/-0.024 χ^2/NDF: 7610970.2/49

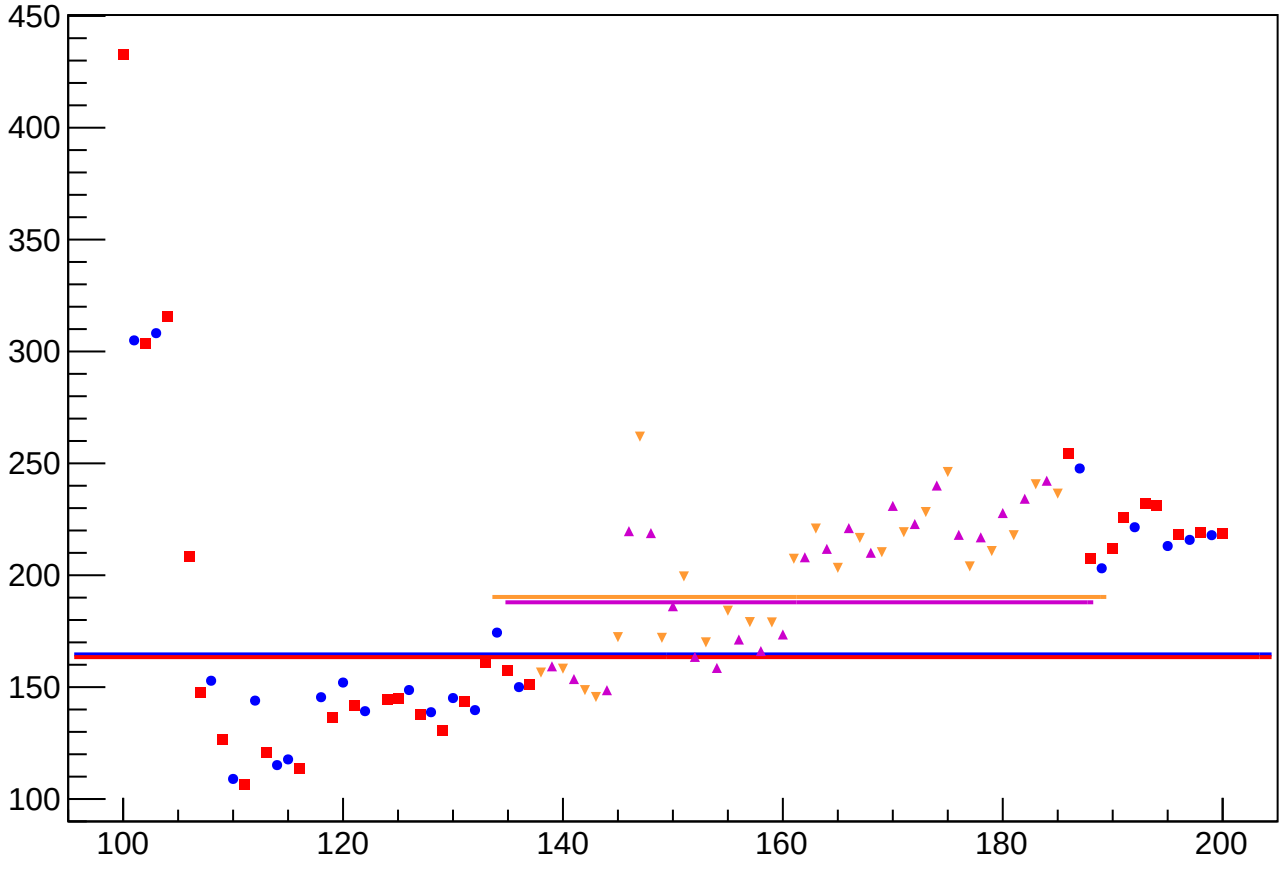
In: 175.803+/-0.024 χ^2/NDF:5061408.5/44

Out: 173.018+/-0.023 χ^2/NDF:6242351.8/52

All: 174.321+/-0.016 χ^2/NDF: 11310888.5/97


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
Right In: 125297.529+/-0.051 χ²/NDF: 7290851031.8/21
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 124980.969+/-0.047 χ²/NDF: 9366756911.1/27
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 125125.738+/-0.034 χ²/NDF: 16678503423.
In: 122109.003+/-0.034 χ²/NDF:1552087302.4/4
Out: 122183.069+/-0.032 χ²/NDF:18110790976.2
All: 122147.802+/-0.023 χ²/NDF: 33665402

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 164.620+/-0.036 χ^2/NDF: 1473776.5/21

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

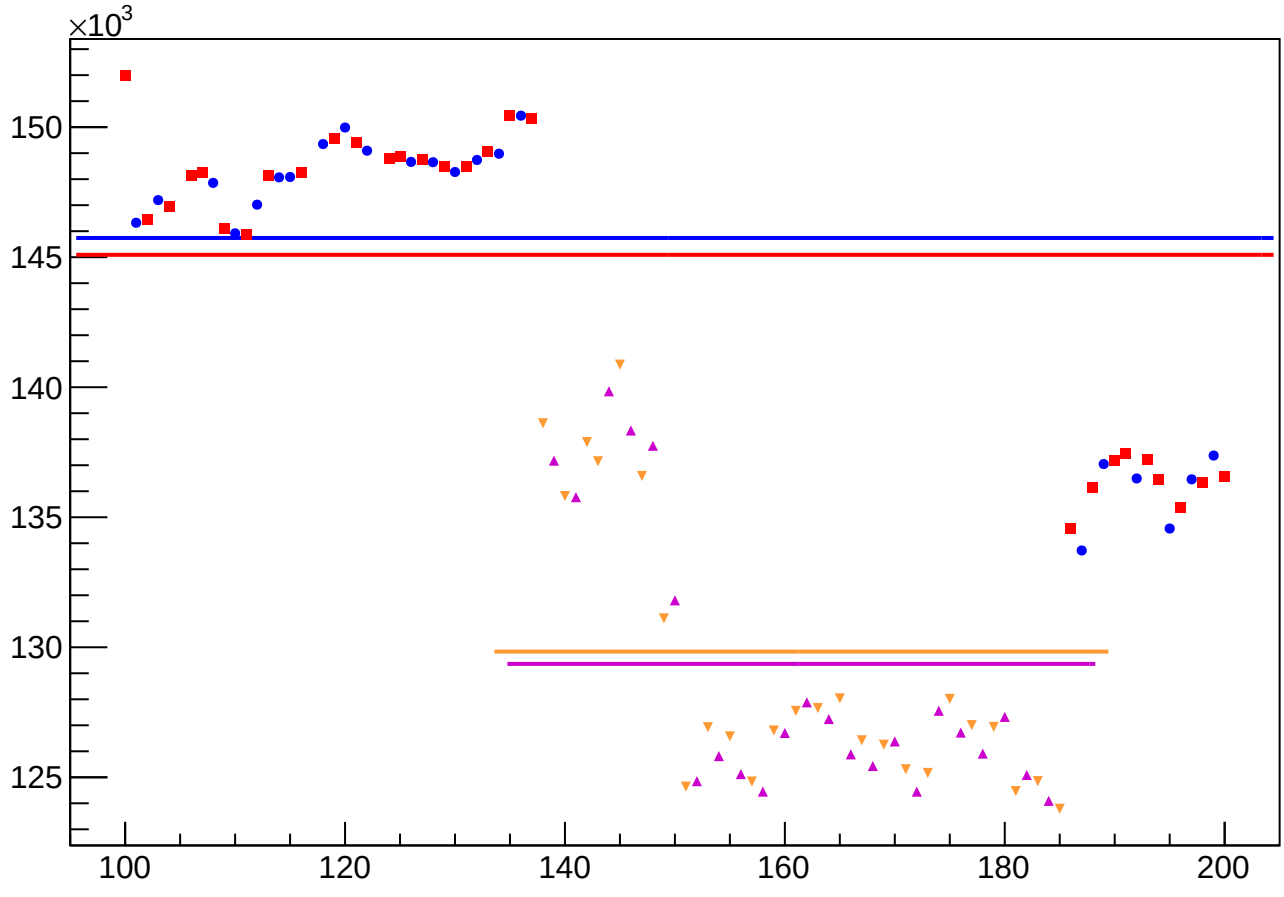
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 163.961+/-0.024 χ^2/NDF: 3666917.5/49

In: 177.721+/-0.024 χ^2/NDF:2634287.2/44

Out: 177.609+/-0.023 χ^2/NDF:3465360.2/52

All: 177.663+/-0.016 χ^2/NDF: 6099659.0/97



Right In: 145739.011+/-0.072 χ^2/NDF: 5375497612.5/21

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

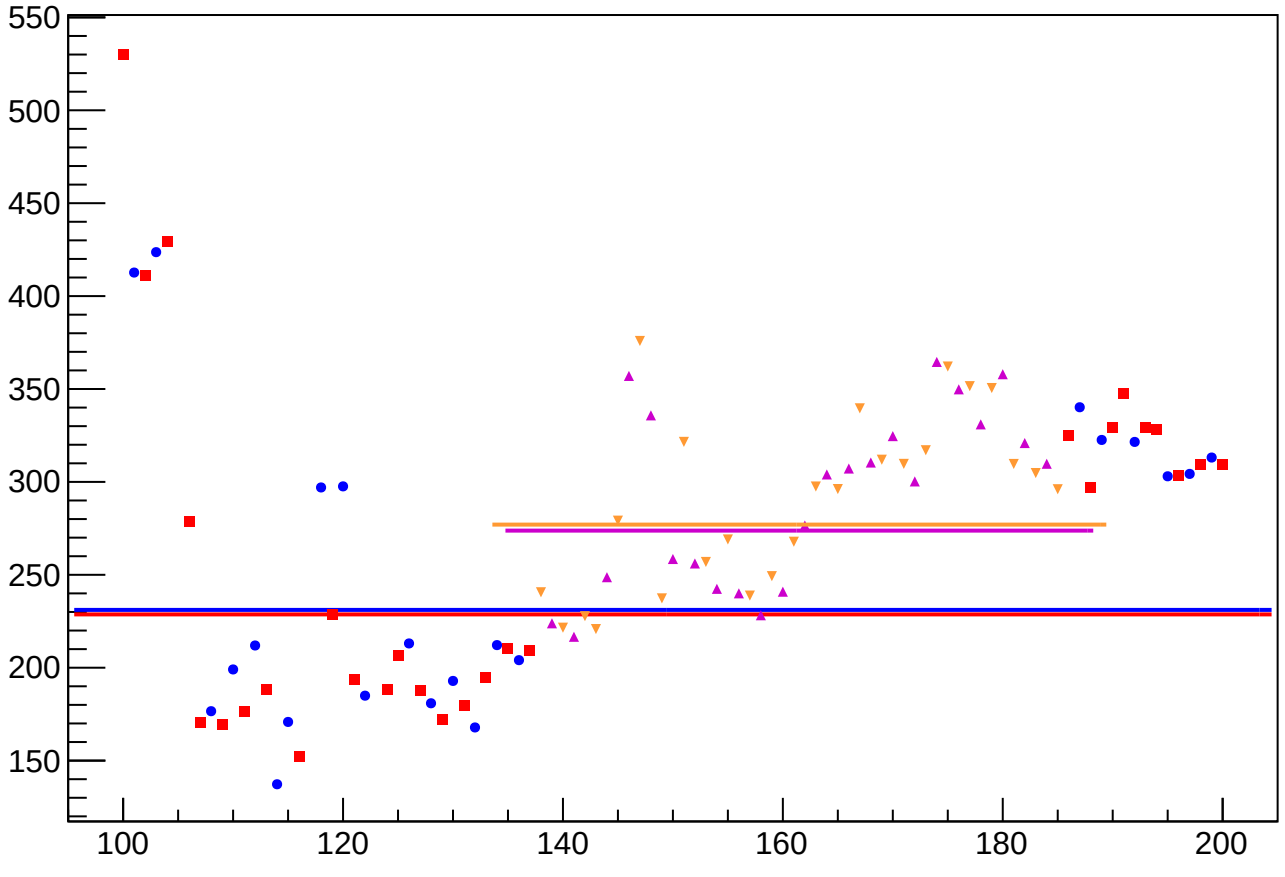
Right: 145384.660+/-0.049 χ^2/NDF: 12264633249.5

In: 136751.595+/-0.048 χ^2/NDF:40344971051.6/4

Out: 137295.306+/-0.046 χ^2/NDF:41256249226.0

All: 137037.974+/-0.033 χ^2/NDF: 816676583

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 231.114+/-0.051 χ^2/NDF: 1736348.5/21

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

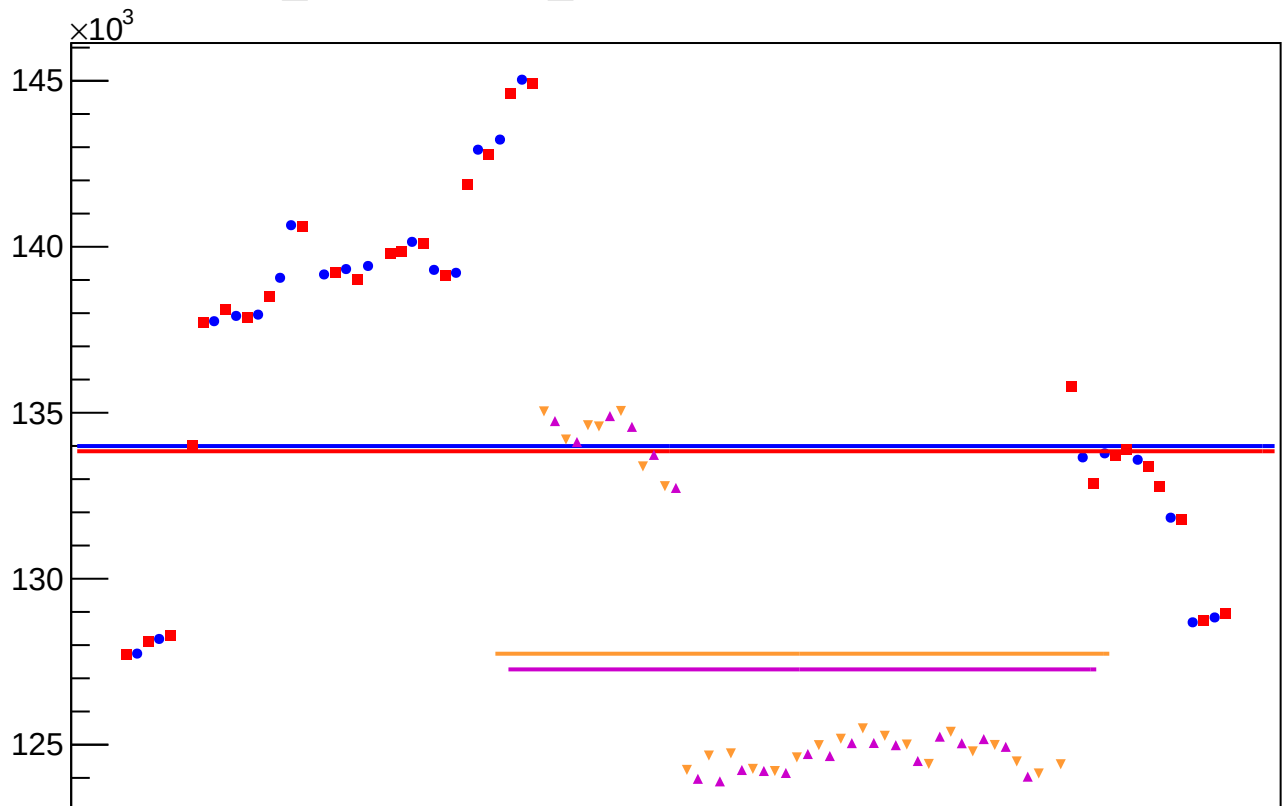
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 229.789+/-0.034 χ^2/NDF: 3904063.5/49

In: 254.529+/-0.034 χ^2/NDF:3125017.3/44

Out: 253.385+/-0.032 χ^2/NDF:3667409.0/52

All: 253.927+/-0.024 χ^2/NDF: 6793013.6/97



Right In: 133996.832+/-0.124 χ^2/NDF: 2159851965.1/21

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

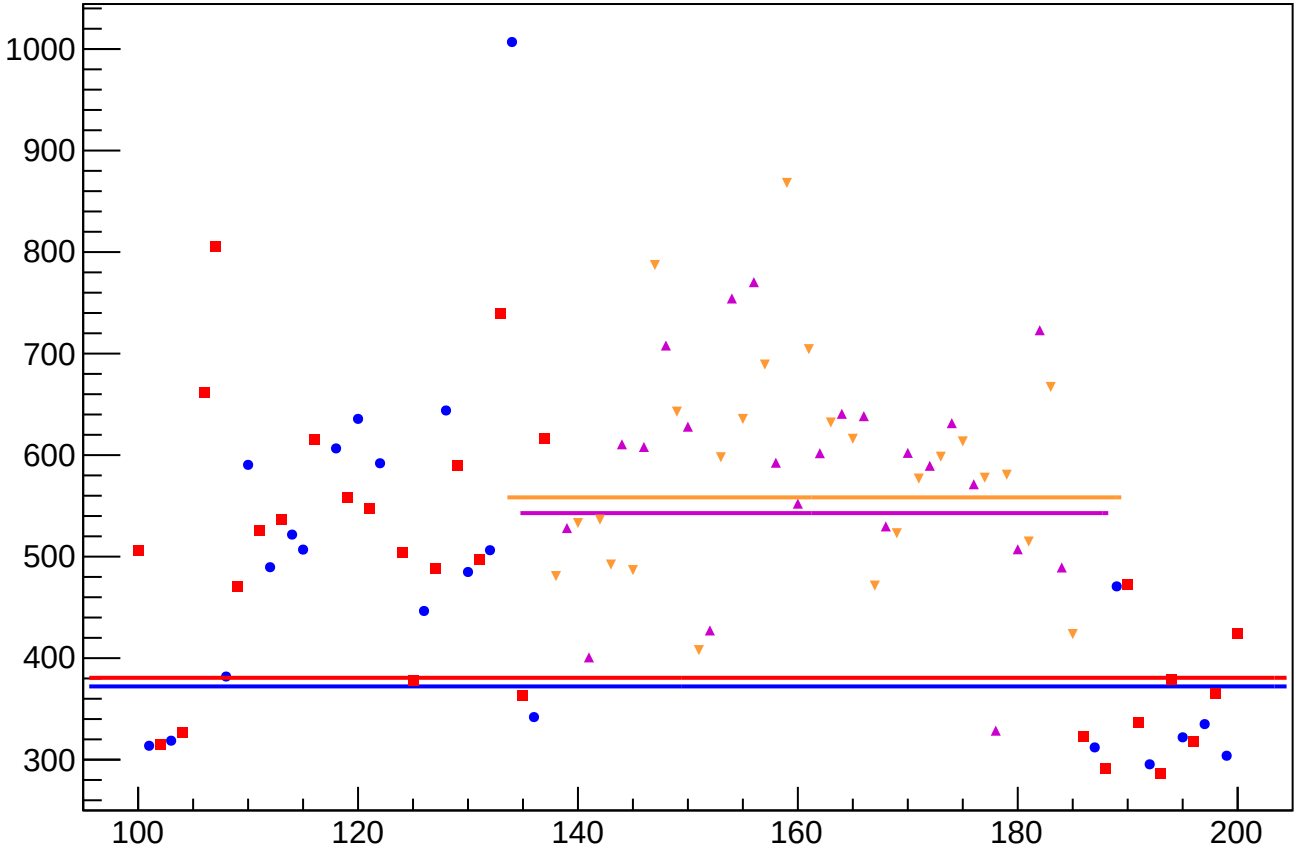
Right: 133914.813+/-0.085 χ^2/NDF: 3692646183.0/

In: 131017.841+/-0.092 χ^2/NDF:4444448811.5/44

Out: 131218.053+/-0.089 χ^2/NDF:3778202425.4/5

All: 131121.625+/-0.064 χ^2/NDF: 82250942

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 372.152+/-0.087 χ^2/NDF: 1419046.6/21

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

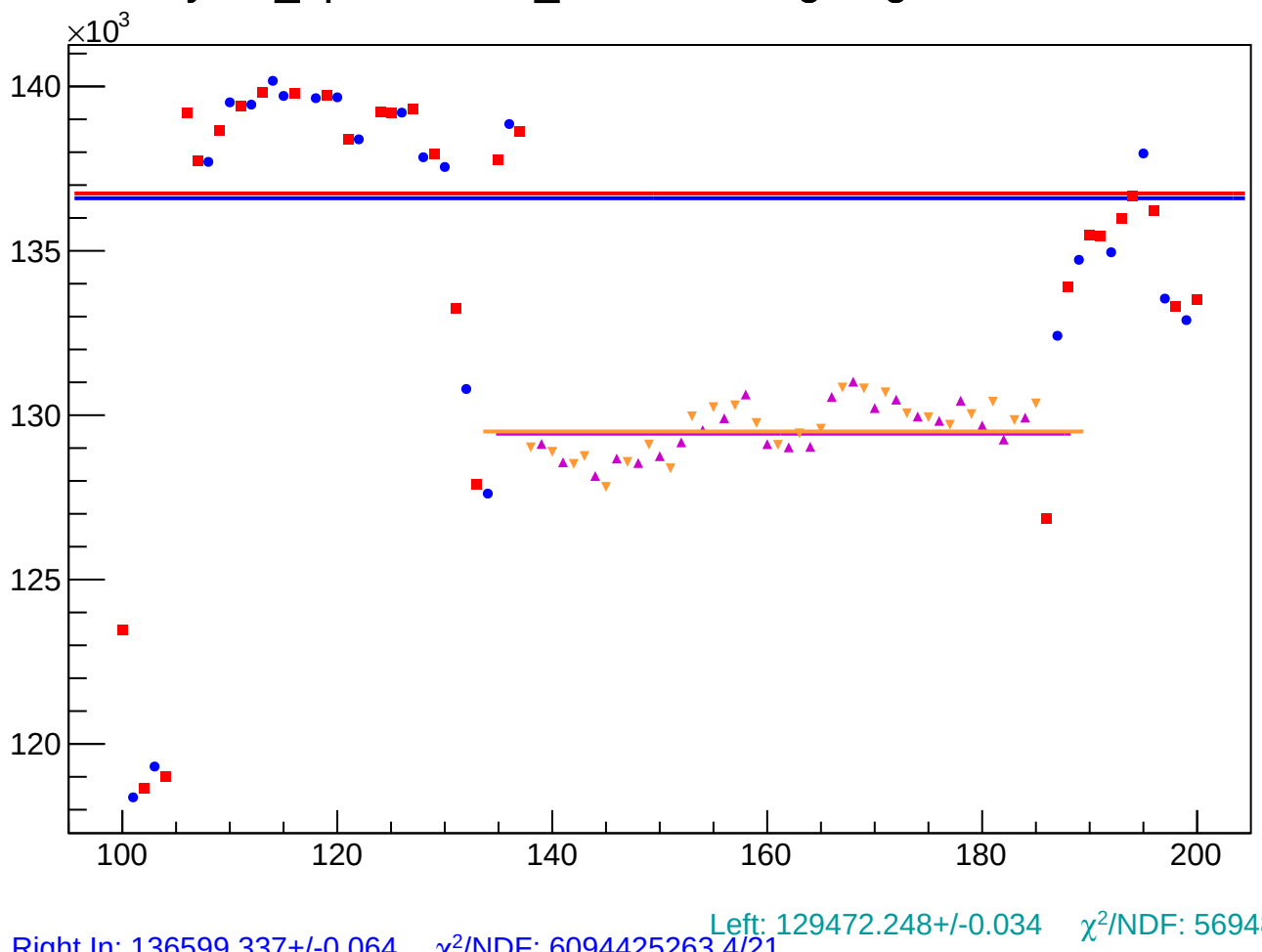
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 376.607+/-0.060 χ^2/NDF: 2941437.9/49

In: 447.739+/-0.065 χ^2/NDF:4526630.7/44

Out: 457.061+/-0.063 χ^2/NDF:4444854.2/52

All: 452.572+/-0.045 χ^2/NDF: 8982077.0/97



Right In: 136599.337+/-0.064 χ^2/NDF: 6094425263.4/21

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

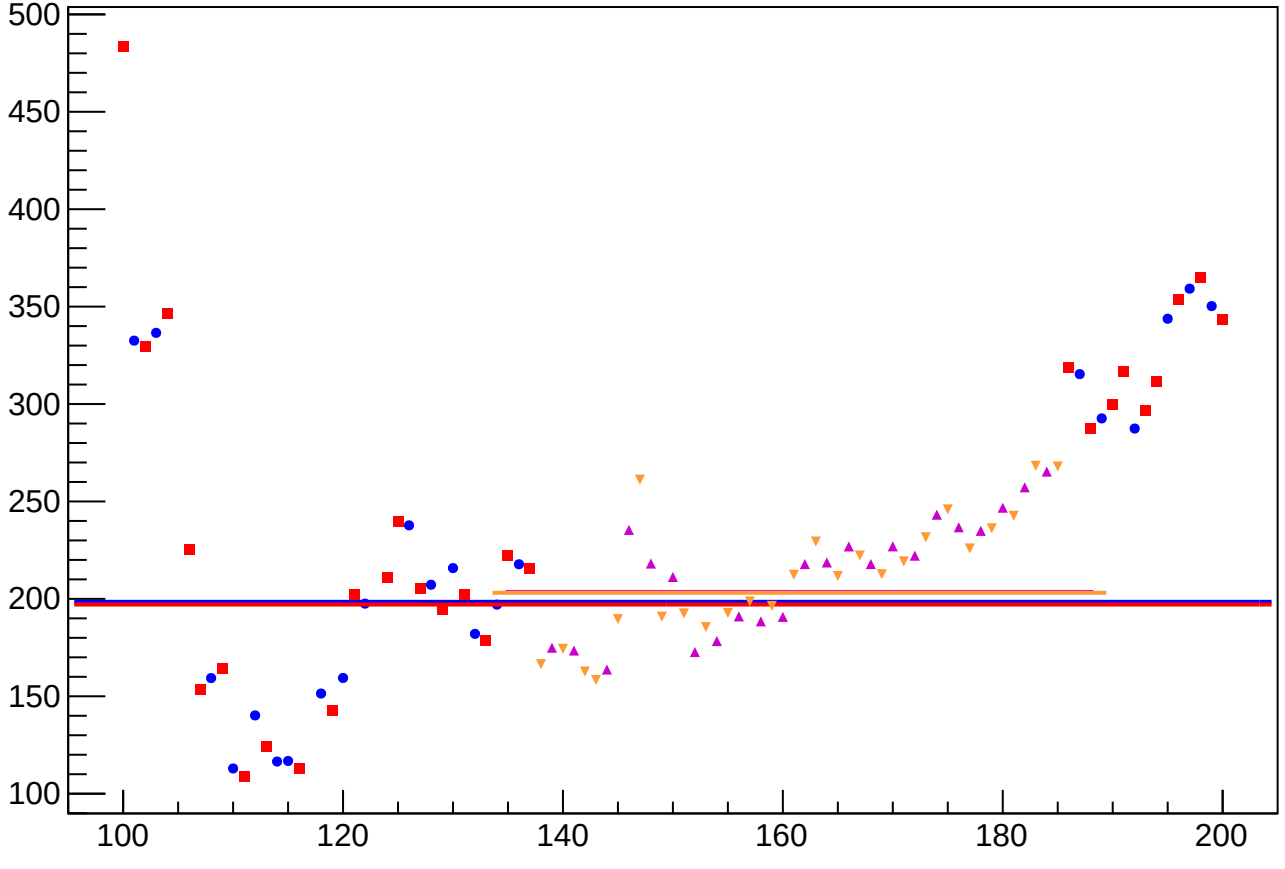
Right: 136678.623+/-0.043 χ^2/NDF: 12555875016.5

In: 132060.536+/-0.039 χ^2/NDF:14372321499.0/4

Out: 132342.678+/-0.037 χ^2/NDF:16060615965.0

All: 132208.756+/-0.027 χ^2/NDF: 30461069

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 198.481+/-0.045 χ^2/NDF: 2758362.2/21

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

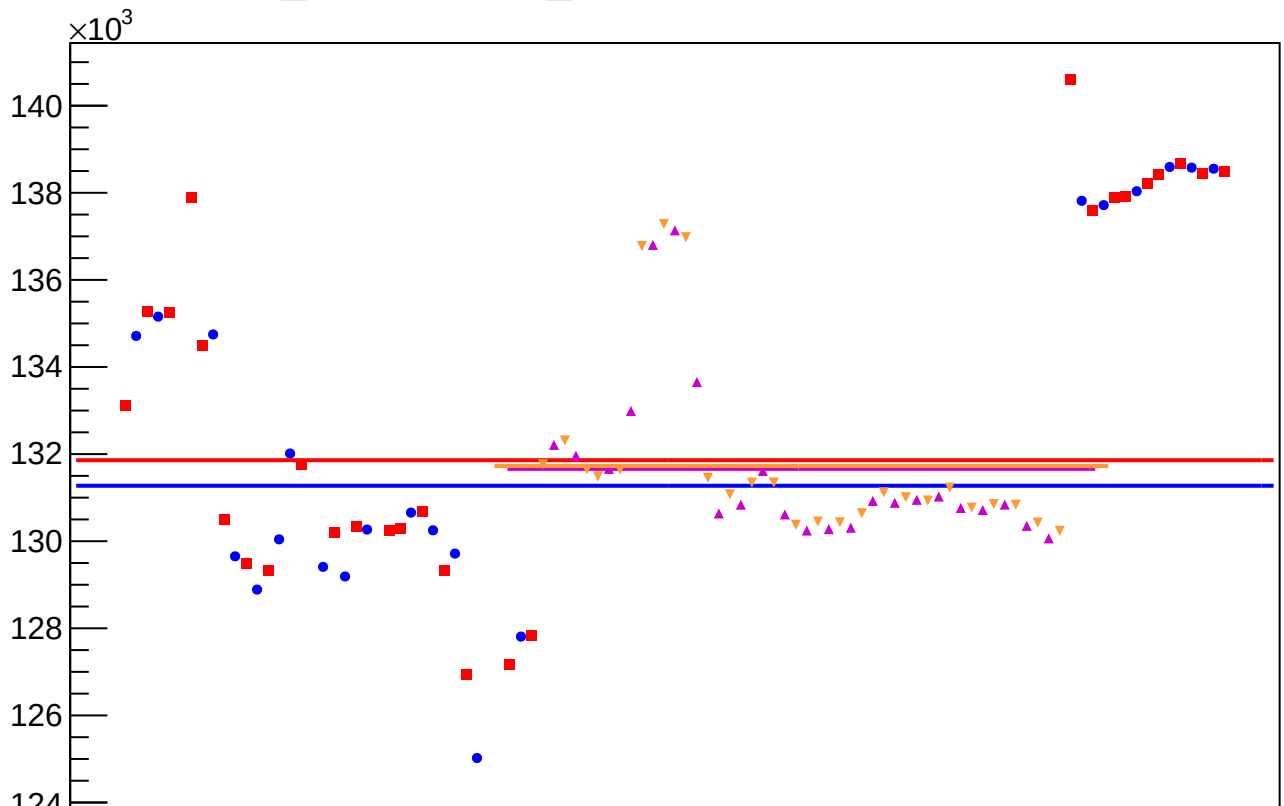
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 197.724+/-0.030 χ^2/NDF: 6505646.7/49

In: 201.691+/-0.027 χ^2/NDF:3432418.3/44

Out: 200.760+/-0.026 χ^2/NDF:4518175.3/52

All: 201.202+/-0.019 χ^2/NDF: 7951206.3/97



Right In: 131273.257+/-0.059 χ^2/NDF: 5702257623.1/21

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

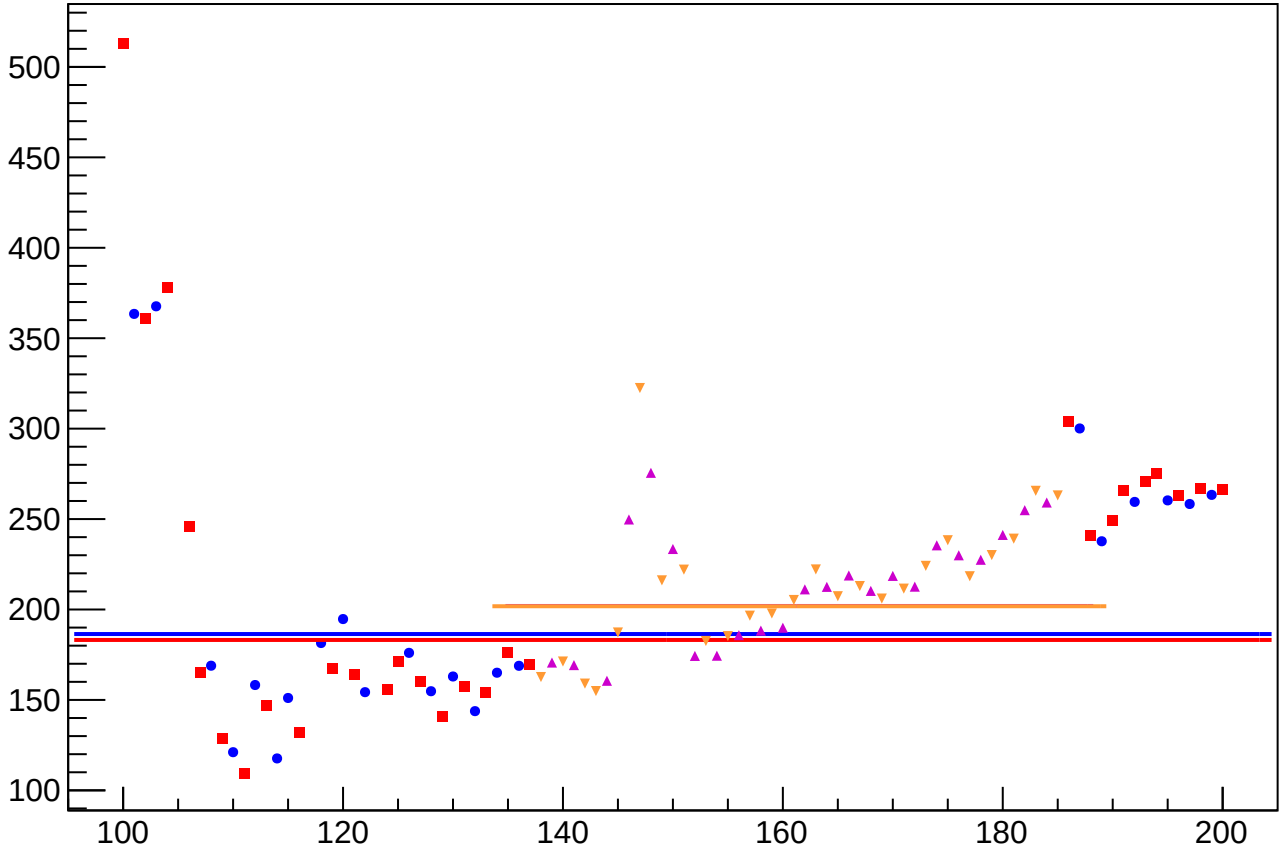
Right: 131593.770+/-0.039 χ^2/NDF: 12491535029.

In: 131504.038+/-0.037 χ^2/NDF:6892740631.1/44

Out: 131784.923+/-0.035 χ^2/NDF:8162908526.6/5

All: 131652.245+/-0.026 χ^2/NDF: 15085744

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 186.432+/-0.041 χ^2/NDF: 1798791.7/21

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

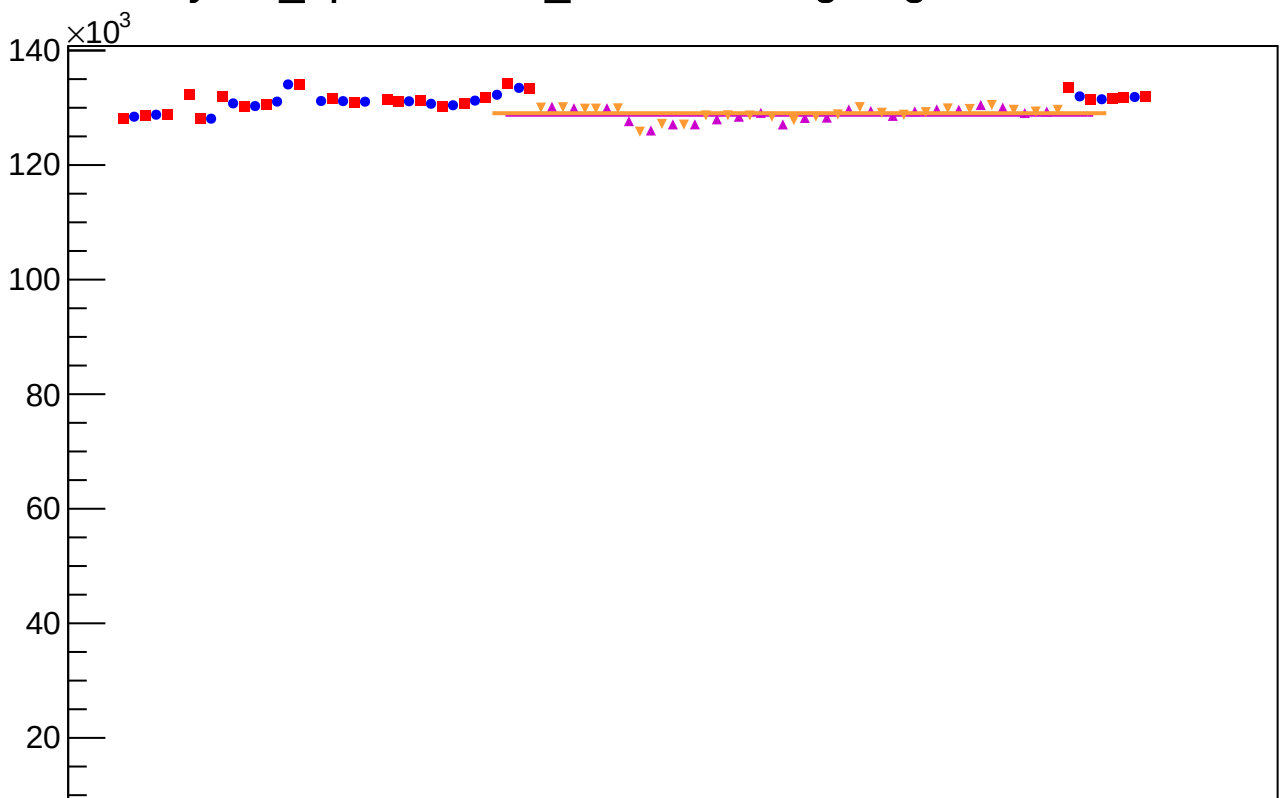
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 184.646+/-0.028 χ^2/NDF: 4535855.9/49

In: 195.678+/-0.026 χ^2/NDF:2685298.8/44

Out: 193.678+/-0.025 χ^2/NDF:3776909.2/52

All: 194.623+/-0.018 χ^2/NDF: 6465260.4/97



Right In: 5264.206+/-0.009 χ^2/NDF: 4922945076633.5/21

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 5598.219+/-0.008 χ^2/NDF: 5817694962657.9/27

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

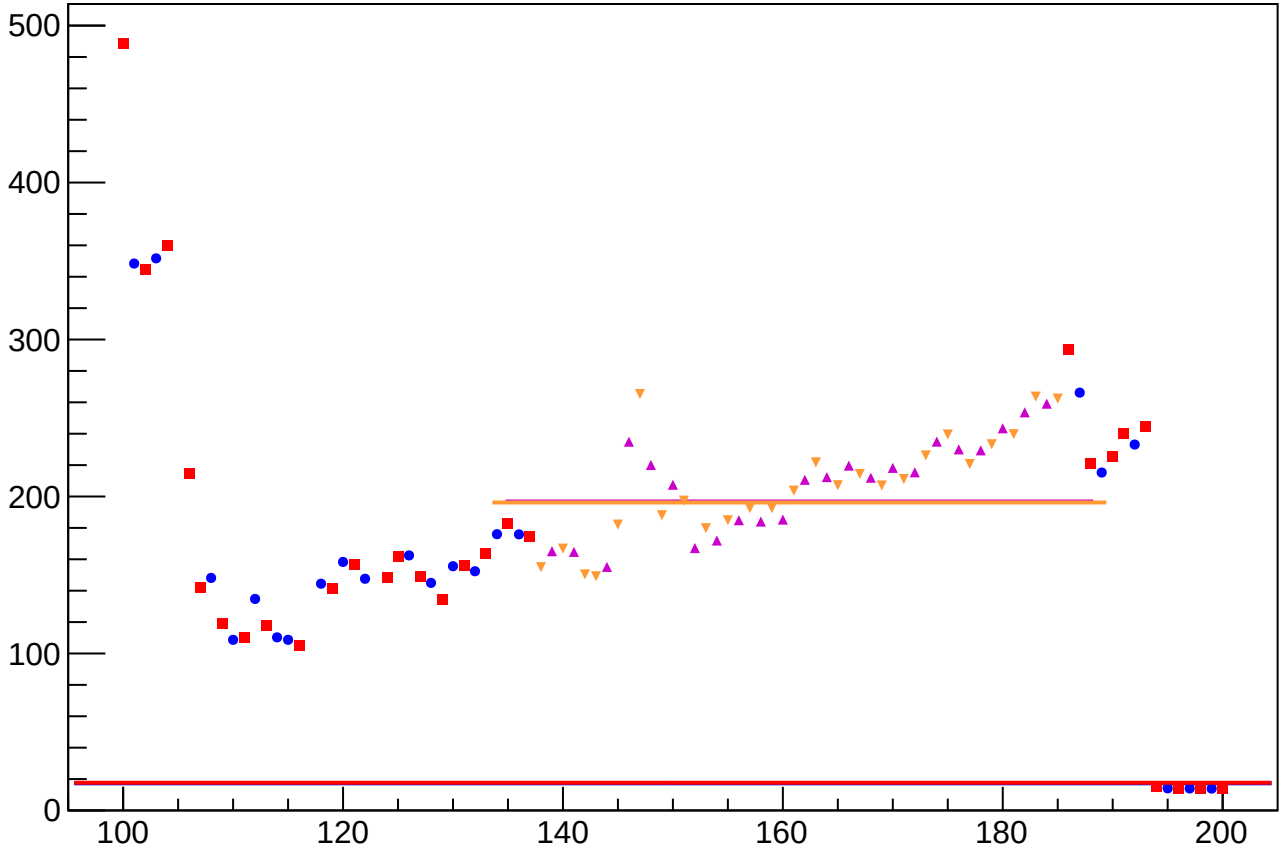
Right: 5438.384+/-0.006 χ^2/NDF: 10741431172314

In: 9260.637+/-0.008 χ^2/NDF:11636357777202.7

Out: 9496.648+/-0.008 χ^2/NDF:12950127918276.

All: 9383.663+/-0.006 χ^2/NDF: 2458689736

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 17.290+/-0.006 χ^2/NDF: 14248995.1/21

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

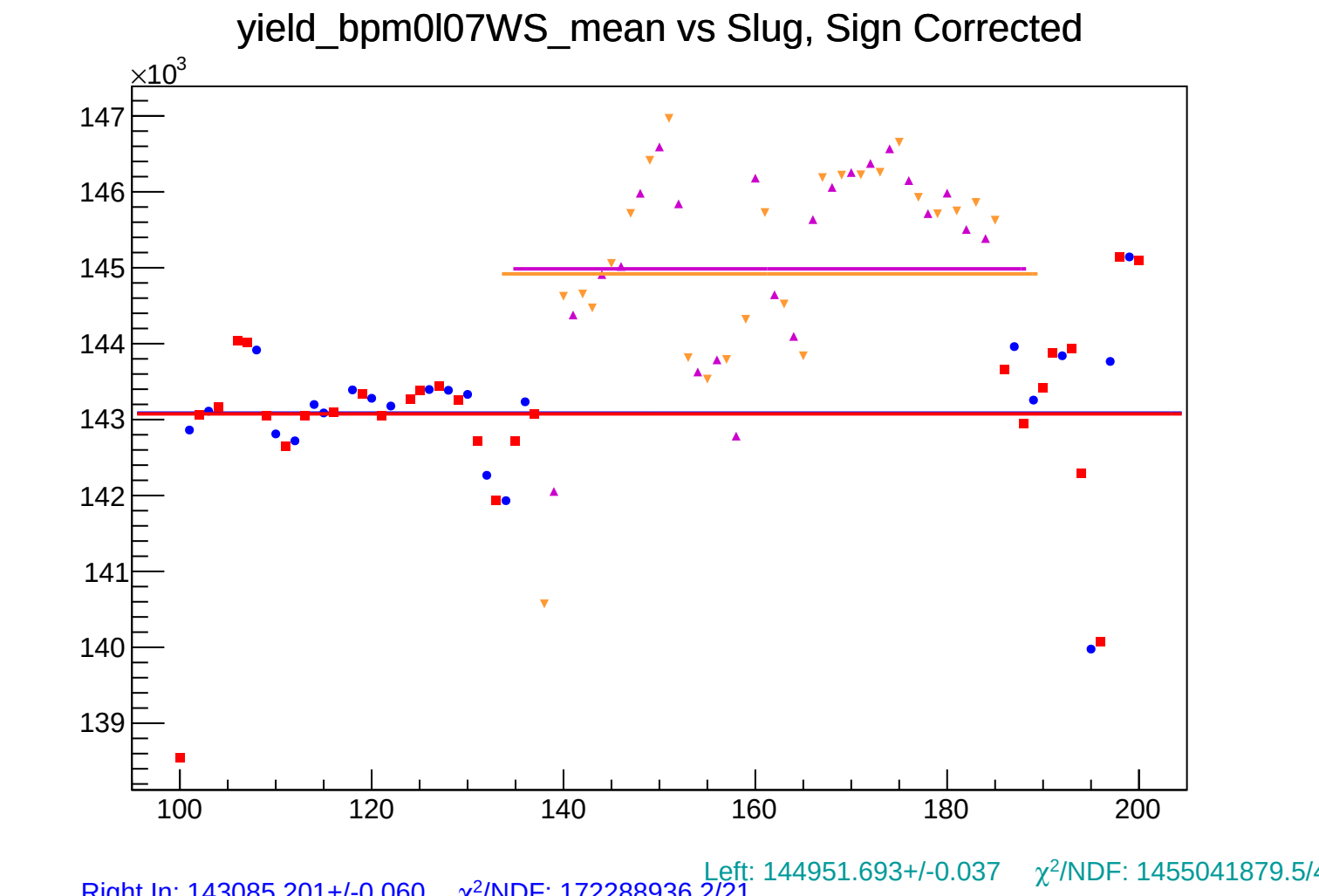
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 17.475+/-0.004 χ^2/NDF: 30546519.2/49

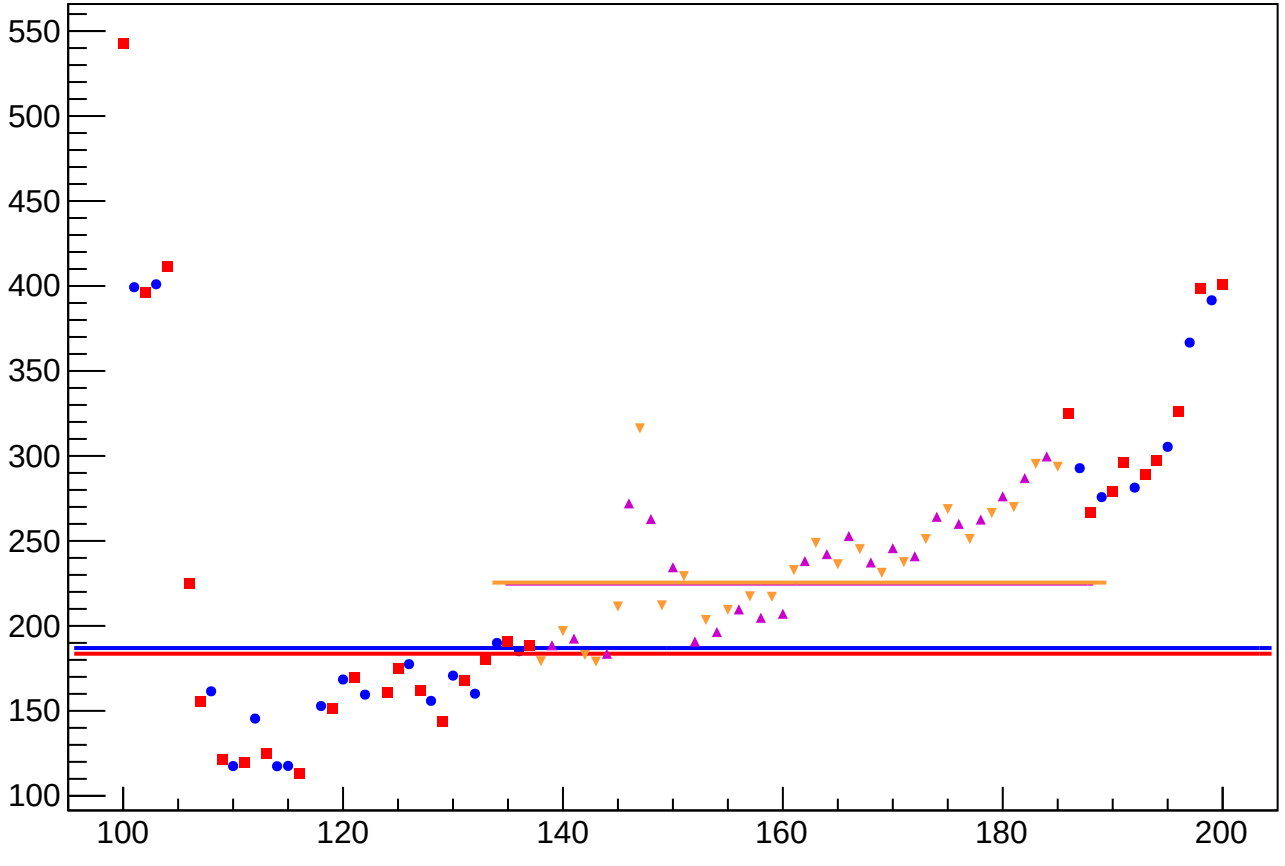
In: 23.099+/-0.006 χ^2/NDF:43390116.6/44

Out: 23.283+/-0.006 χ^2/NDF:47058384.9/52

All: 23.195+/-0.004 χ^2/NDF: 90448998.8/97


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: 143085.201+/-0.060 χ²/NDF: 172288936.2/21
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: 143079.773+/-0.040 χ²/NDF: 352670831.4/4
In: 144141.209+/-0.040 χ²/NDF:1350132097.3/44
Out: 144040.726+/-0.038 χ²/NDF:1609911687.7/5
All: 144088.196+/-0.027 χ²/NDF: 29633836

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 186.966+/-0.042 χ^2/NDF: 2892166.9/21

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

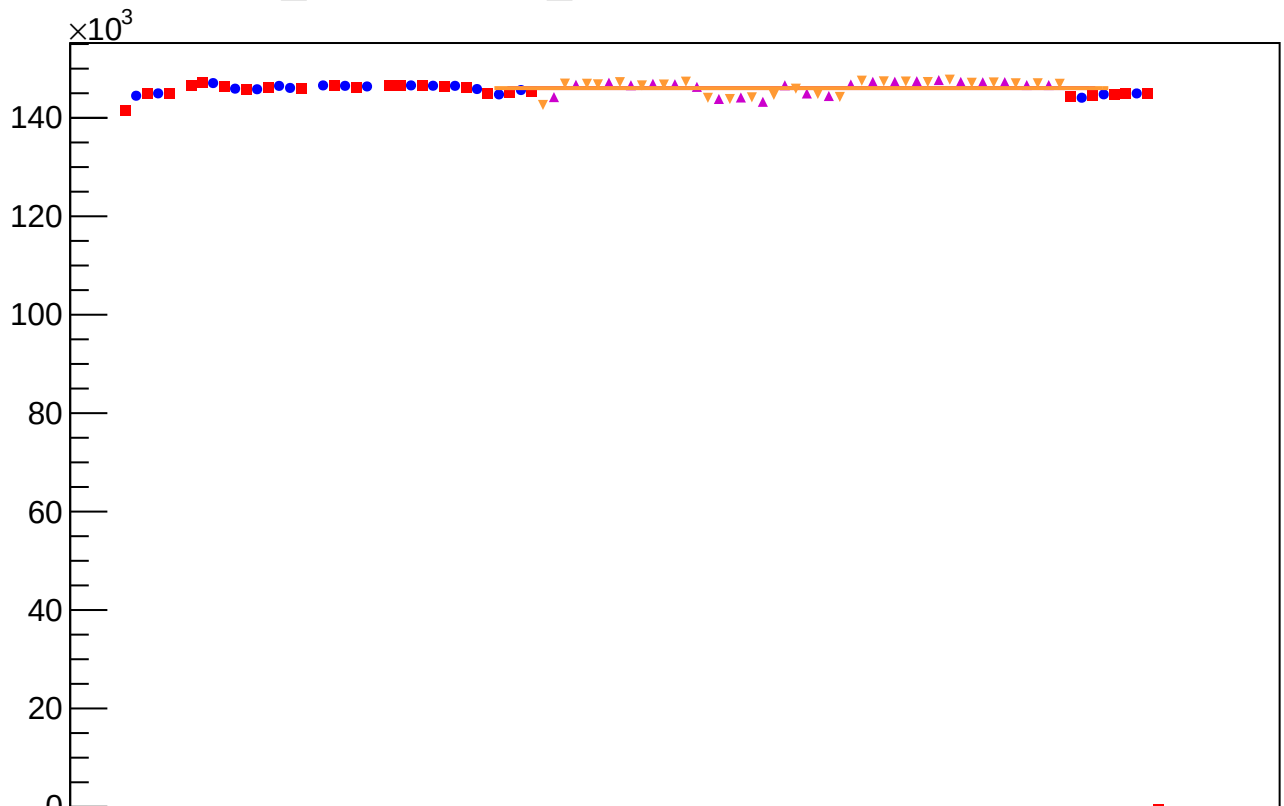
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 185.147+/-0.029 χ^2/NDF: 6990560.2/49

In: 208.028+/-0.028 χ^2/NDF:4060764.9/44

Out: 205.537+/-0.027 χ^2/NDF:5482211.3/52

All: 206.714+/-0.019 χ^2/NDF: 9547079.6/97



Right In: -364.584+/-0.005 χ^2/NDF: 5352302076832.2/21

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -353.090+/-0.004 χ^2/NDF: 6439769047657.5/27

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

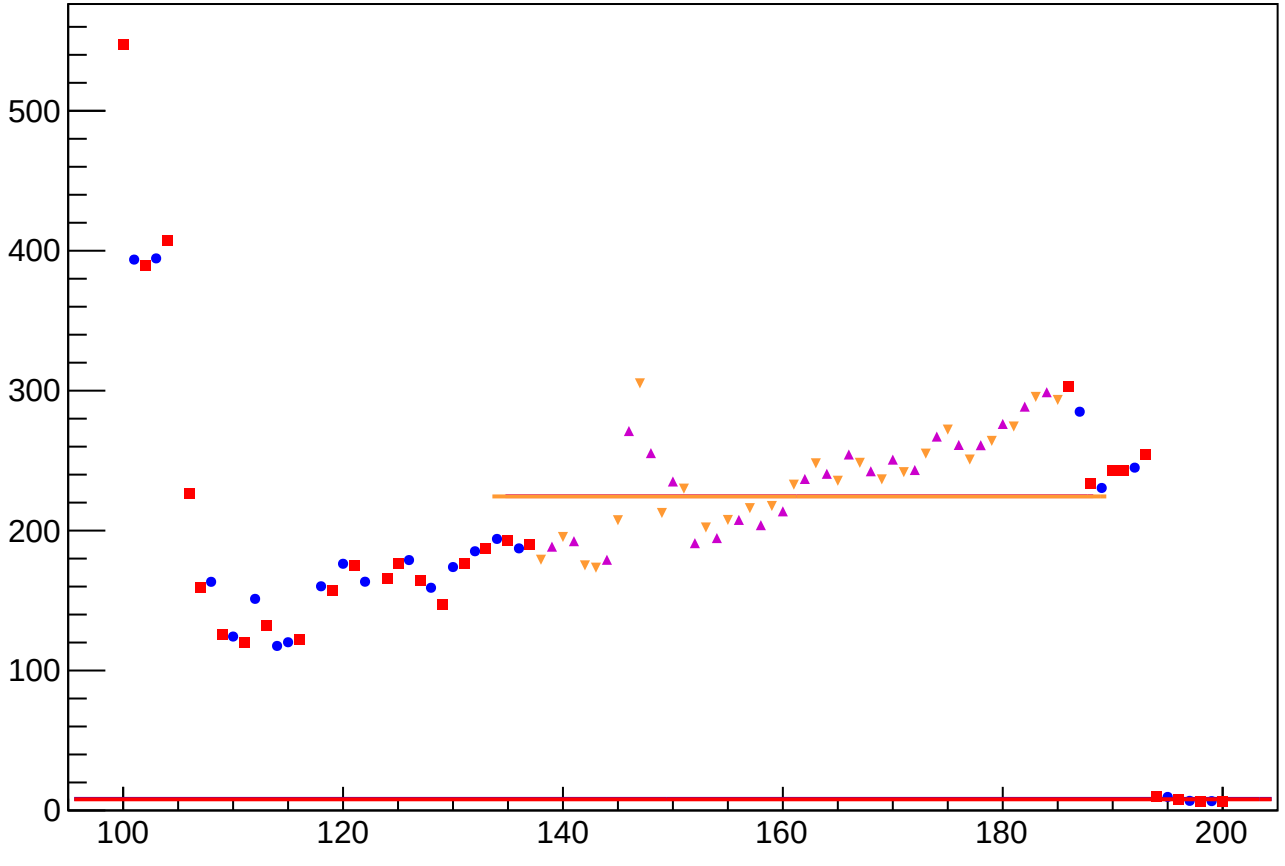
Right: -358.337+/-0.003 χ^2/NDF: 11792074505681

In: 711.291+/-0.005 χ^2/NDF:12771159142826.1/4

Out: 605.823+/-0.004 χ^2/NDF:14311649829168.9

All: 653.988+/-0.003 χ^2/NDF: 270830956752

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 8.248+/-0.003 χ^2/NDF: 15961859.7/21

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

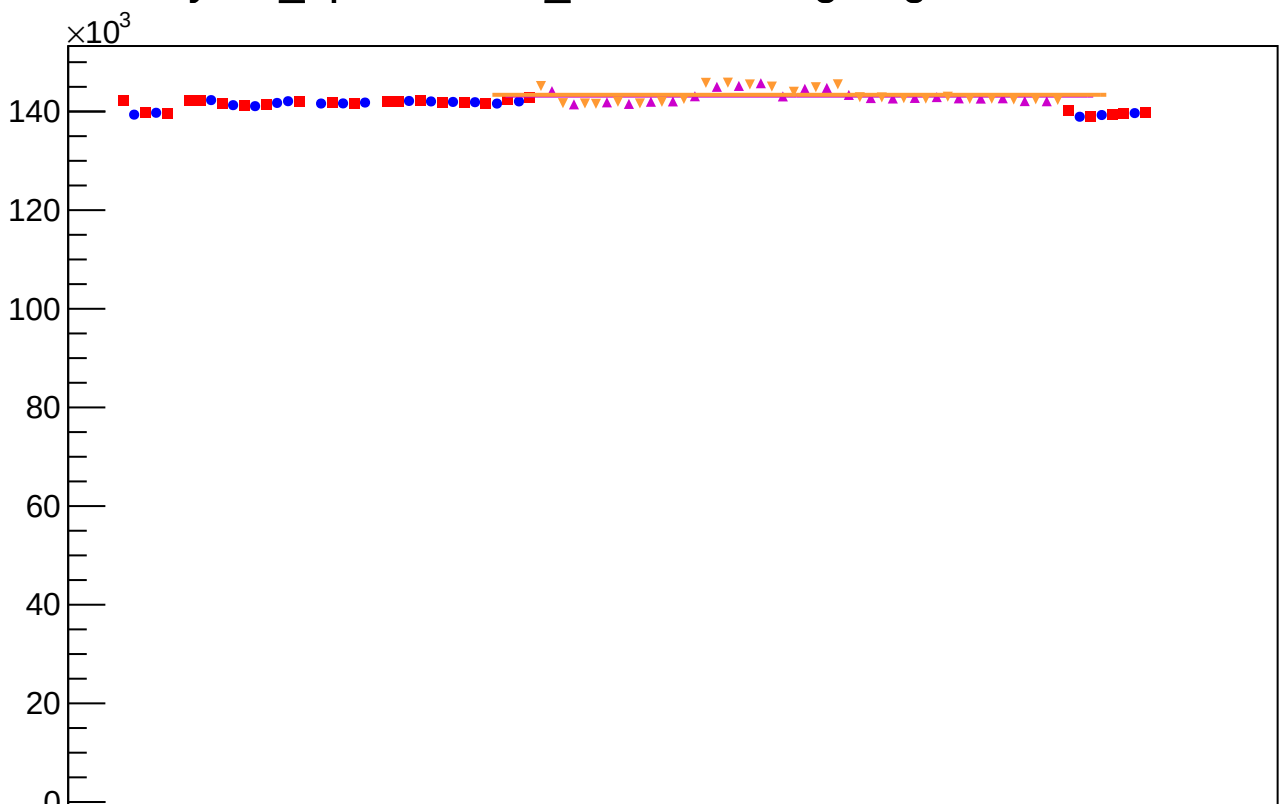
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 8.104+/-0.002 χ^2/NDF: 34284727.2/49

In: 9.838+/-0.003 χ^2/NDF:49127432.2/44

Out: 9.401+/-0.003 χ^2/NDF:53573506.1/52

All: 9.600+/-0.002 χ^2/NDF: 102710787.5/97



Right In: -1739.955+/-0.005 χ^2/NDF: 4936663484284.7/21

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

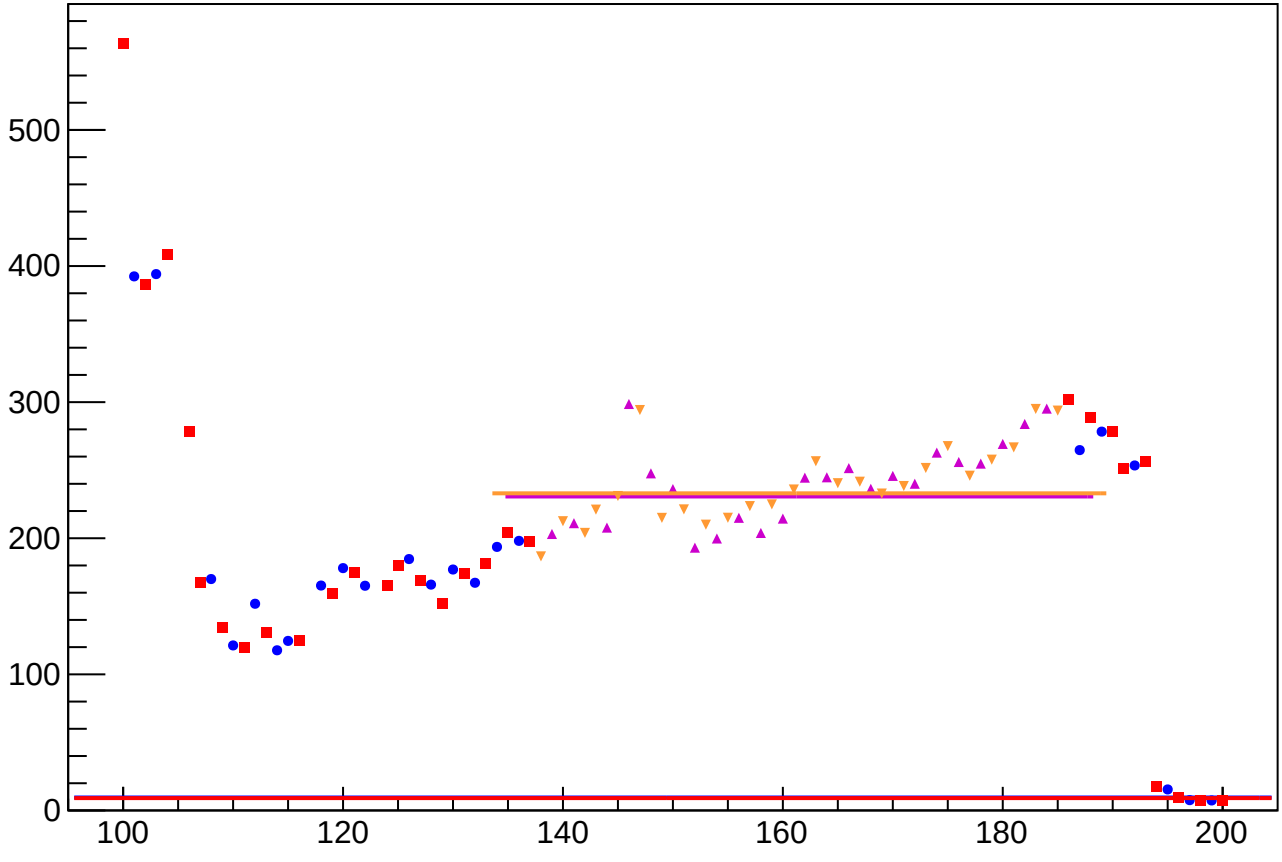
Right: -1763.087+/-0.004 χ^2/NDF: 1074259994077

In: -351.457+/-0.005 χ^2/NDF:11860220876473.2/

Out: -608.350+/-0.005 χ^2/NDF:13059919364264.8

All: -493.465+/-0.004 χ^2/NDF: 2492140714

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 9.511+/-0.004 χ^2/NDF: 16055457.3/21

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

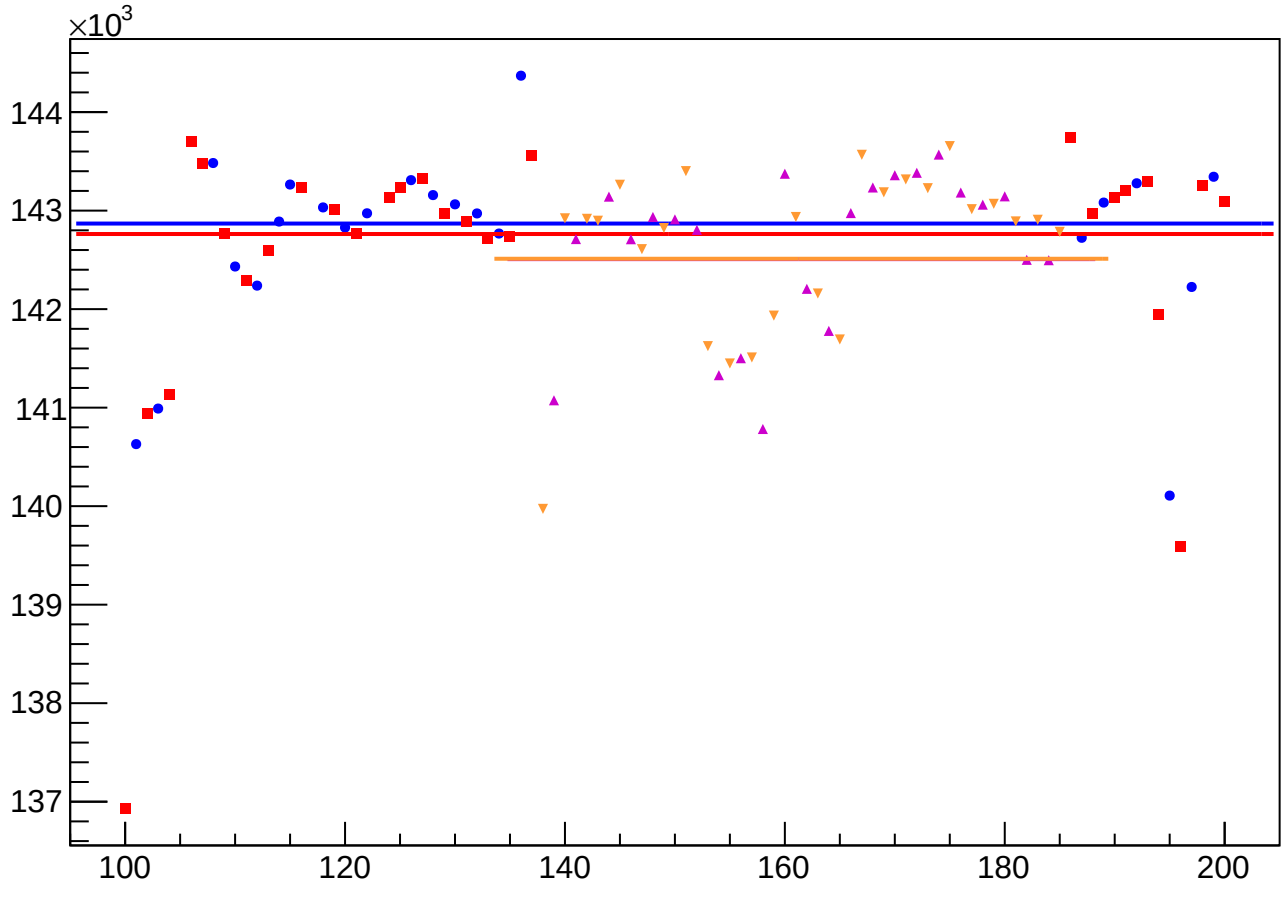
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 9.269+/-0.003 χ^2/NDF: 34384118.6/49

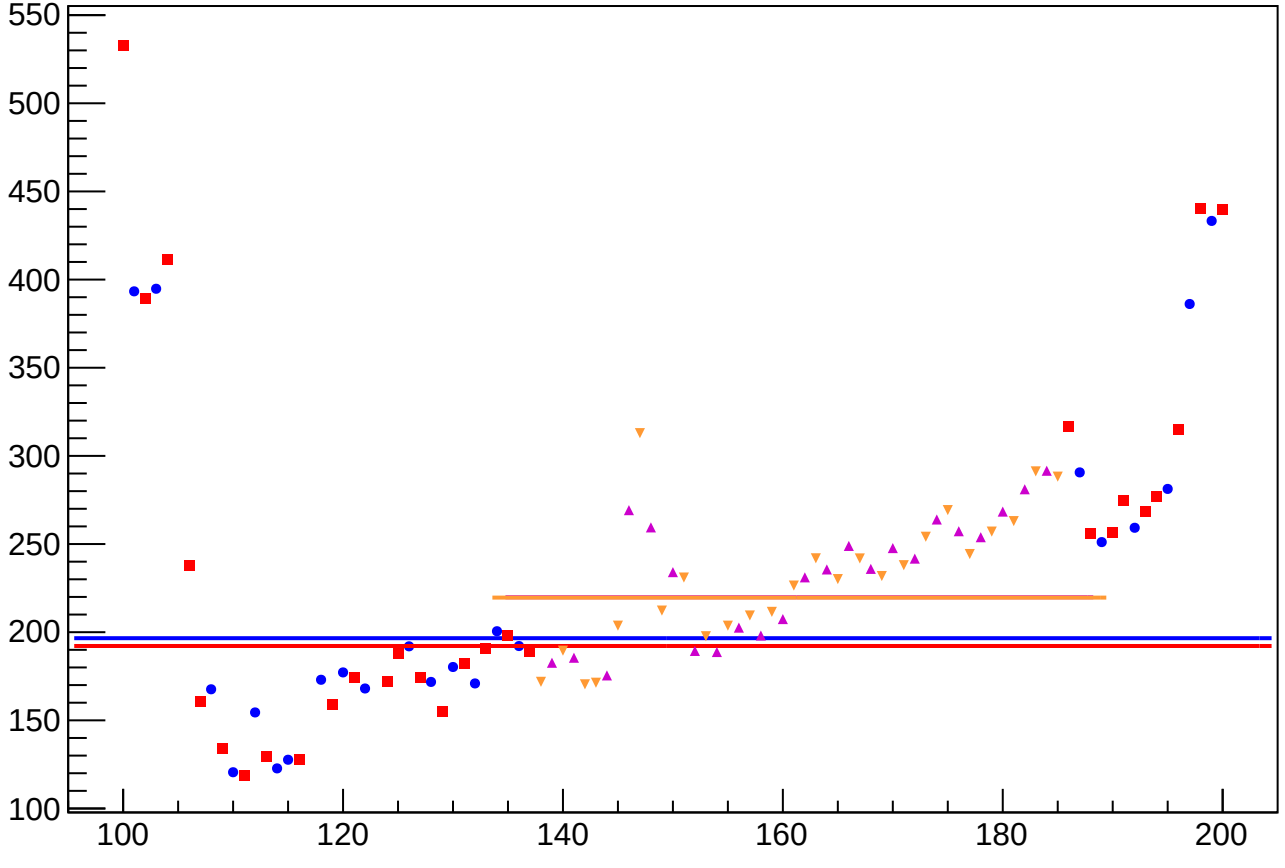
In: 11.629+/-0.004 χ^2/NDF:48801794.1/44

Out: 10.883+/-0.003 χ^2/NDF:53286151.2/52

All: 11.217+/-0.003 χ^2/NDF: 102109304.3/97


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
120
140
160
180
200
Right In: 142868.720+/-0.063 χ²/NDF: 199556424.4/21
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142762.553+/-0.057 χ²/NDF: 160751606.9/27
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142810.518+/-0.042 χ²/NDF: 361885869.2/4
In: 142656.419+/-0.040 χ²/NDF:488407265.9/44
Out: 142623.227+/-0.038 χ²/NDF:509682021.8/52
All: 142638.860+/-0.028 χ²/NDF: 99845034

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 196.598+/-0.044 χ^2/NDF: 2532382.1/21

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

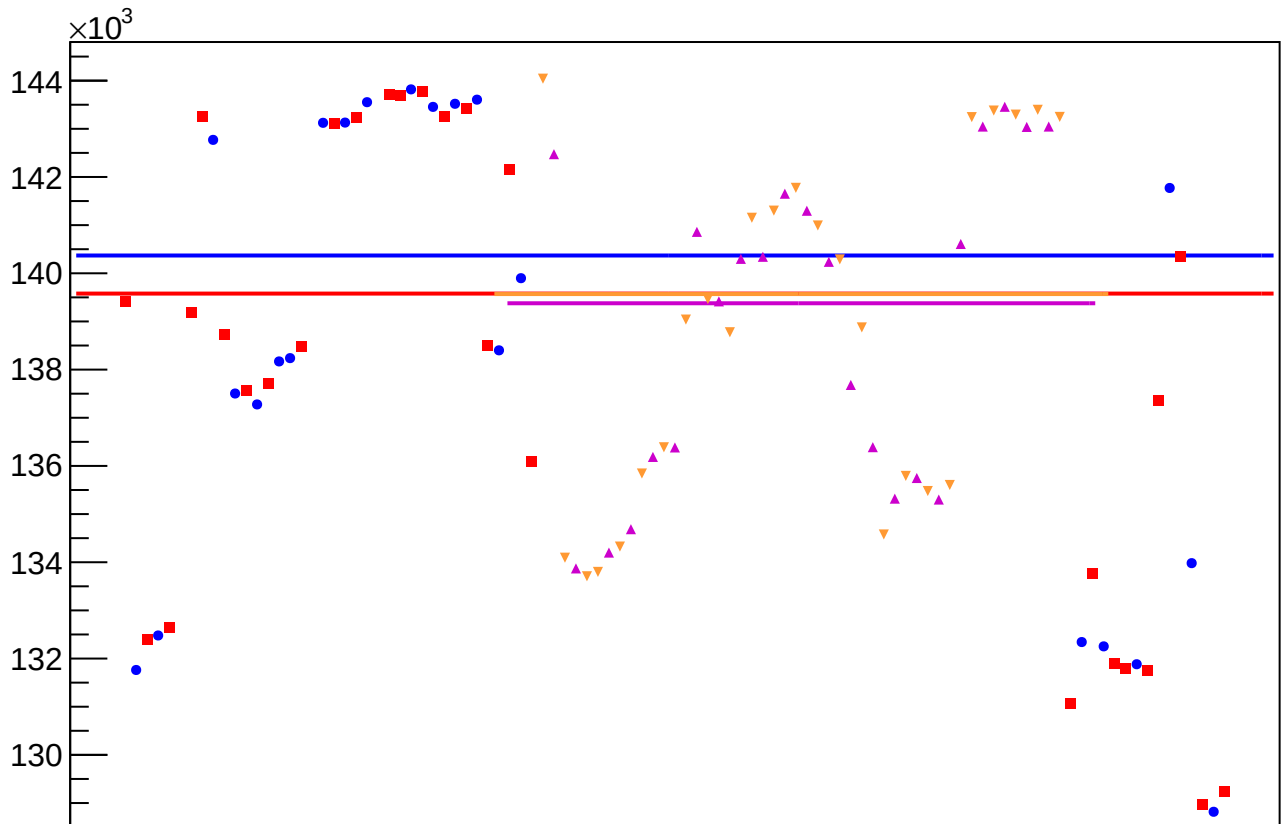
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 194.172+/-0.030 χ^2/NDF: 6179665.3/49

In: 210.245+/-0.028 χ^2/NDF:3499678.1/44

Out: 207.397+/-0.027 χ^2/NDF:4802749.4/52

All: 208.738+/-0.019 χ^2/NDF: 8307744.3/97



Right In: 140369.428+/-0.089 χ^2/NDF: 2267598648.8/21

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

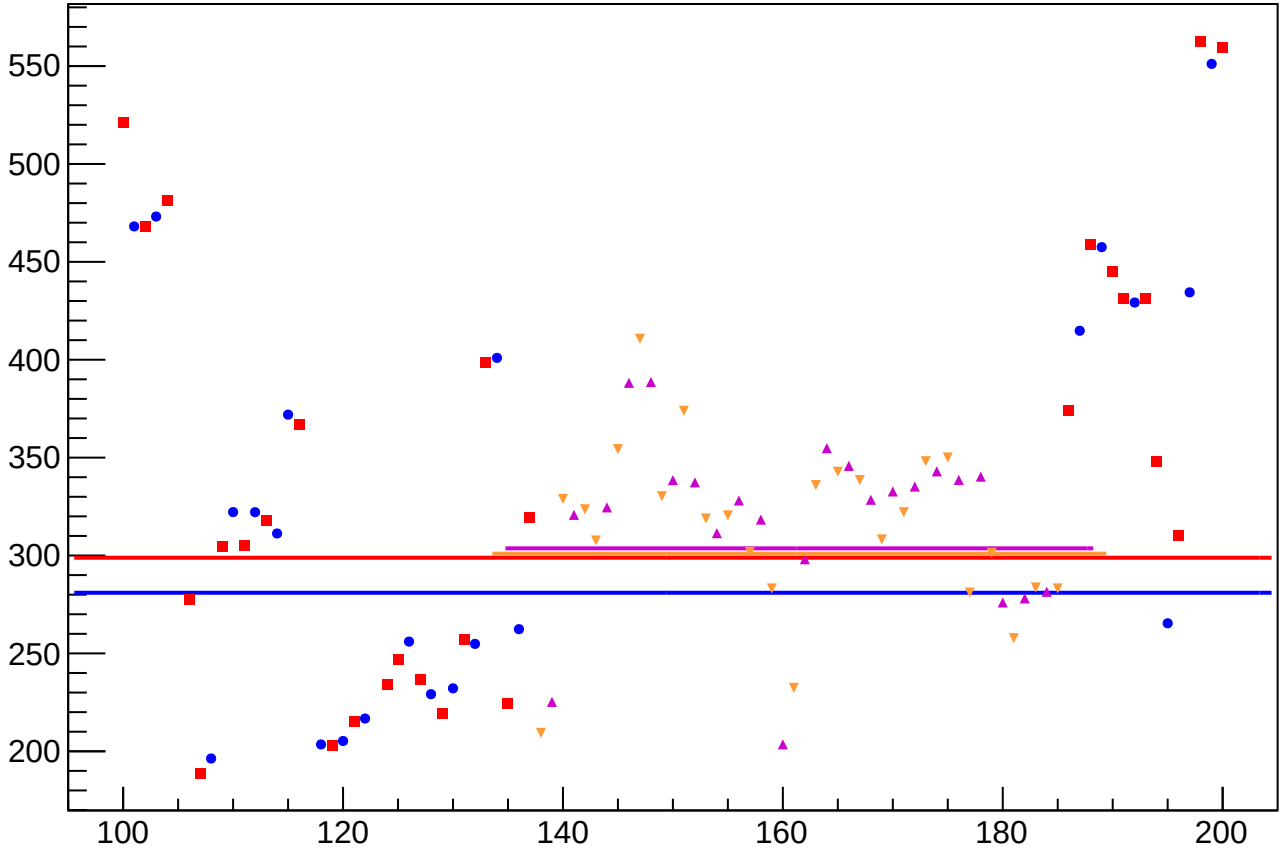
Right: 139964.333+/-0.062 χ^2/NDF: 4972548610.8/

In: 139776.123+/-0.056 χ^2/NDF:4263308723.0/44

Out: 139572.653+/-0.055 χ^2/NDF:5251164257.5/5

All: 139670.887+/-0.039 χ^2/NDF: 95211989

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 280.985+/-0.063 χ^2/NDF: 2126393.0/21

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

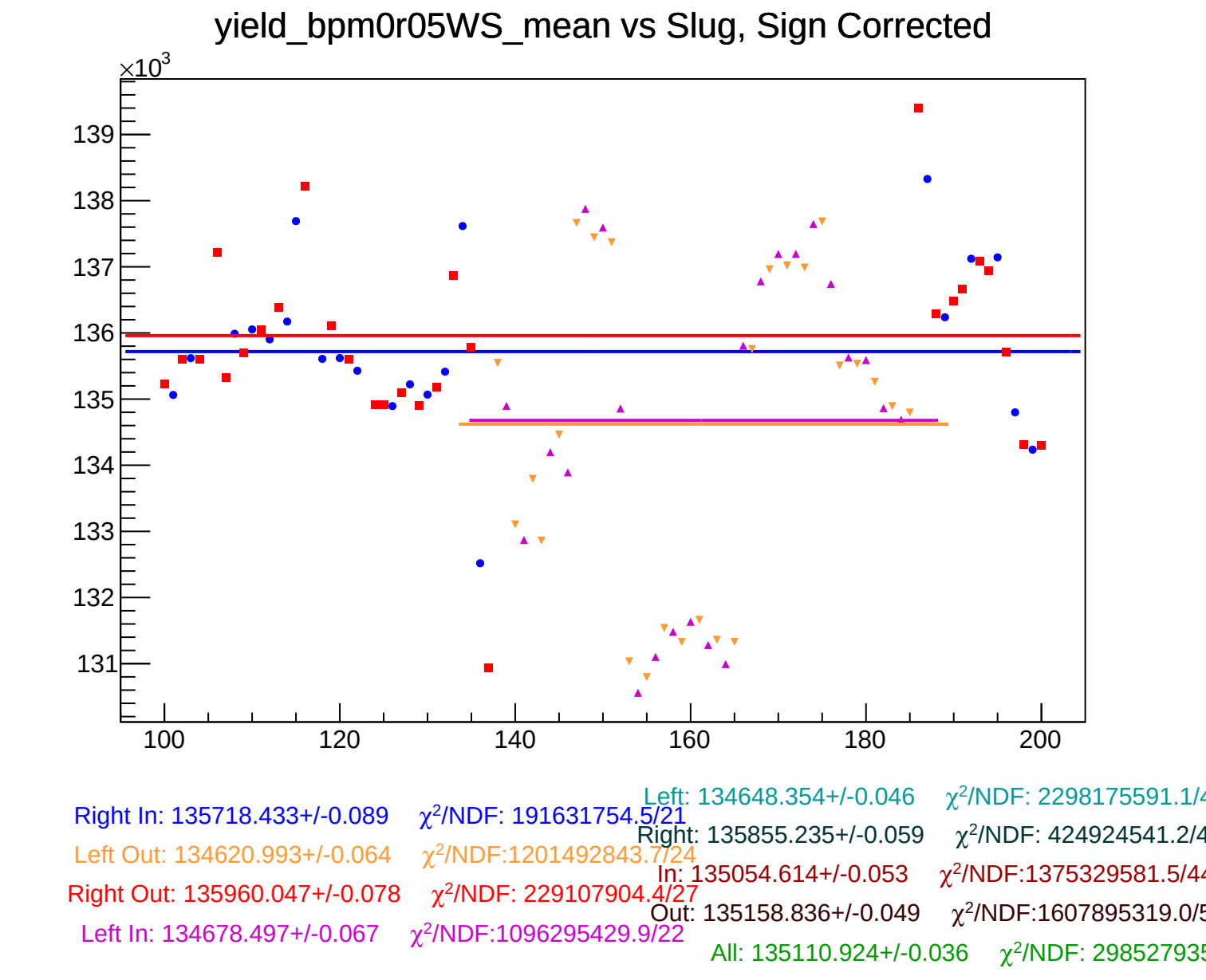
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 290.147+/-0.044 χ^2/NDF: 4764605.9/49

In: 294.548+/-0.040 χ^2/NDF:3180274.7/44

Out: 300.139+/-0.039 χ^2/NDF:3474437.1/52

All: 297.440+/-0.028 χ^2/NDF: 6664871.1/97


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
139
138
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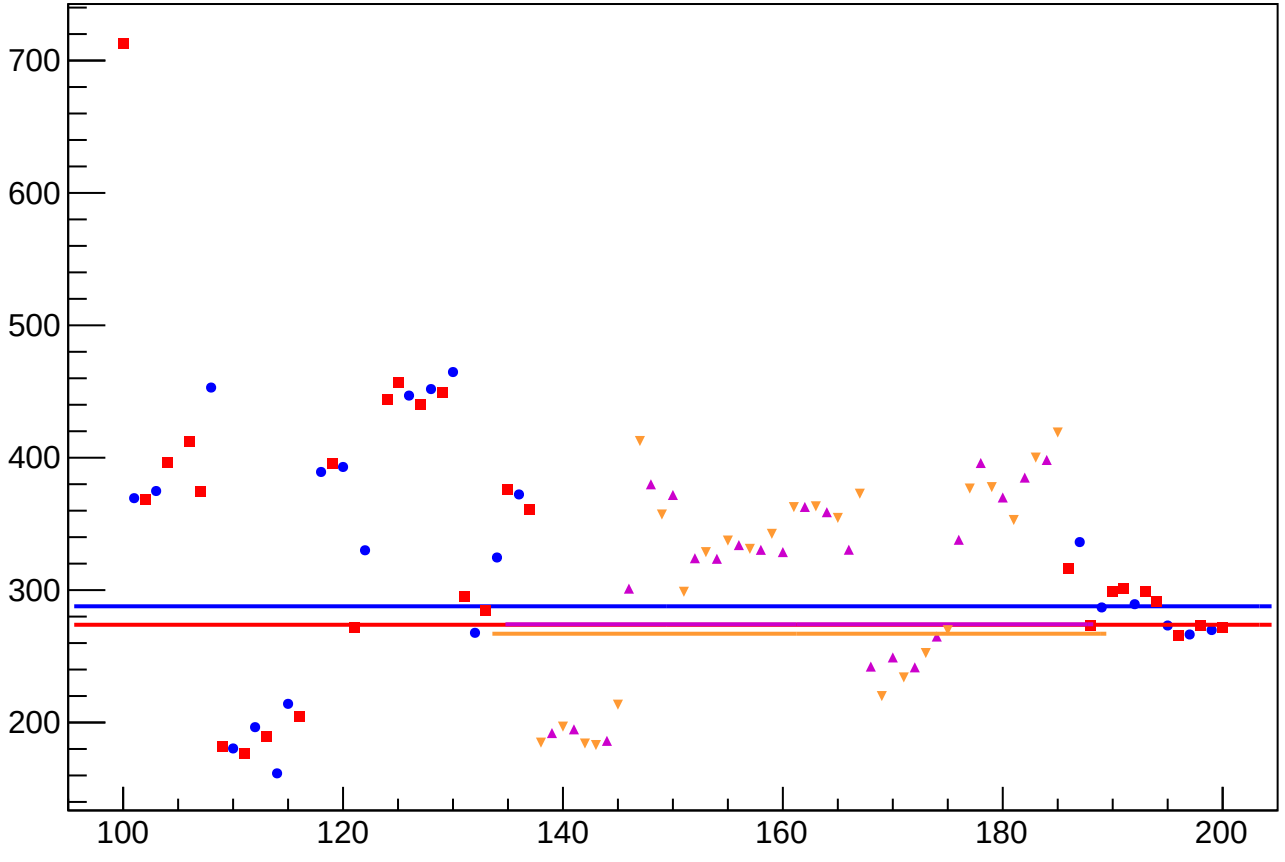
132
131
100
120
140
160
180
200
Right In: 135718.433+/-0.089 χ²/NDF: 191631754.5/21
Left Out: 134620.993+/-0.064 χ²/NDF:1201492843.7/24
Right Out: 135960.047+/-0.078 χ²/NDF: 229107904.4/27
Left In: 134678.497+/-0.067 χ²/NDF:1096295429.9/22
Left: 134648.354+/-0.046 χ²/NDF: 2298175591.1/4
Right: 135855.235+/-0.059 χ²/NDF: 424924541.2/4
In: 135054.614+/-0.053 χ²/NDF:1375329581.5/44
Out: 135158.836+/-0.049 χ²/NDF:1607895319.0/5
All: 135110.924+/-0.036 χ²/NDF: 29852793

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 287.776+/-0.063 χ^2/NDF: 1482088.3/21

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

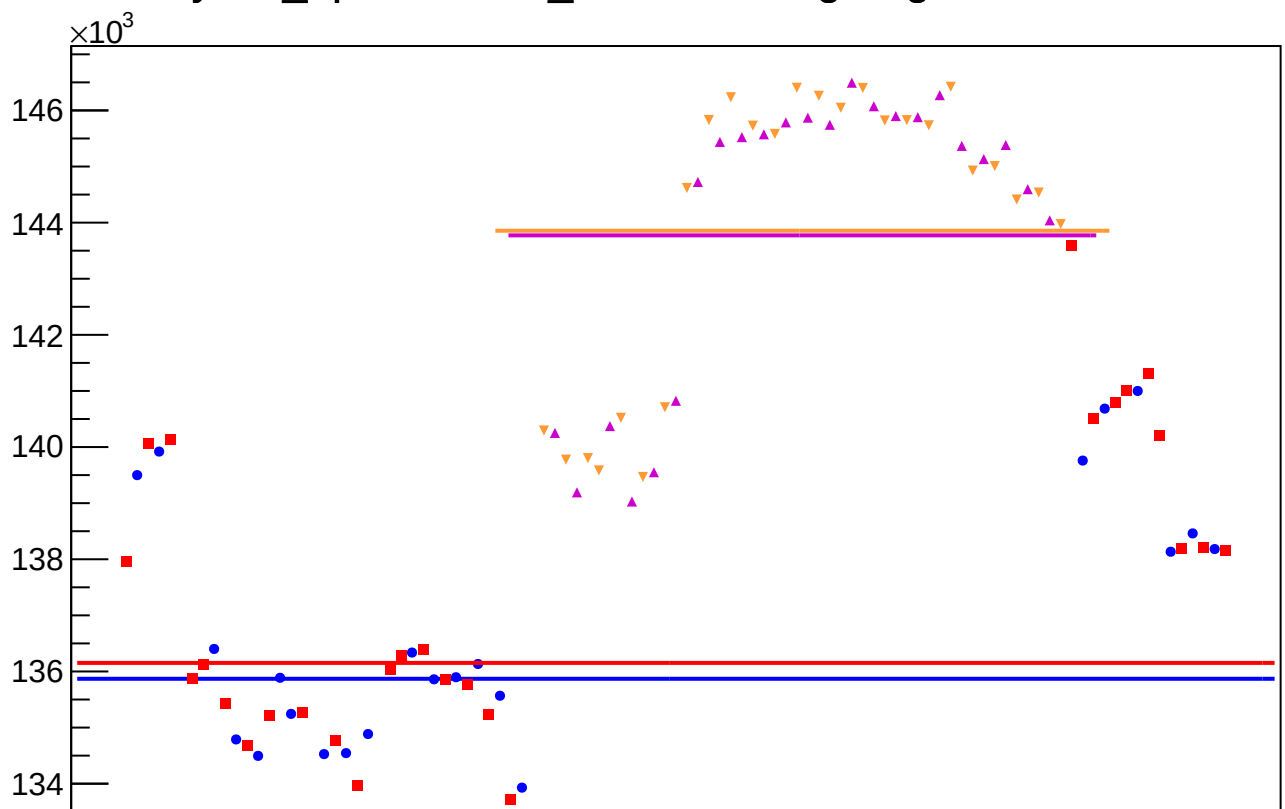
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 279.874+/-0.041 χ^2/NDF: 3238857.8/49

In: 279.095+/-0.038 χ^2/NDF:3748734.2/44

Out: 269.771+/-0.035 χ^2/NDF:4581209.6/52

All: 274.058+/-0.026 χ^2/NDF: 8362830.3/97



Right In: 135869.779+/-0.050 χ^2/NDF: 1314405146.7/21

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136152.767+/-0.047 χ^2/NDF: 2060944075.6/27

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

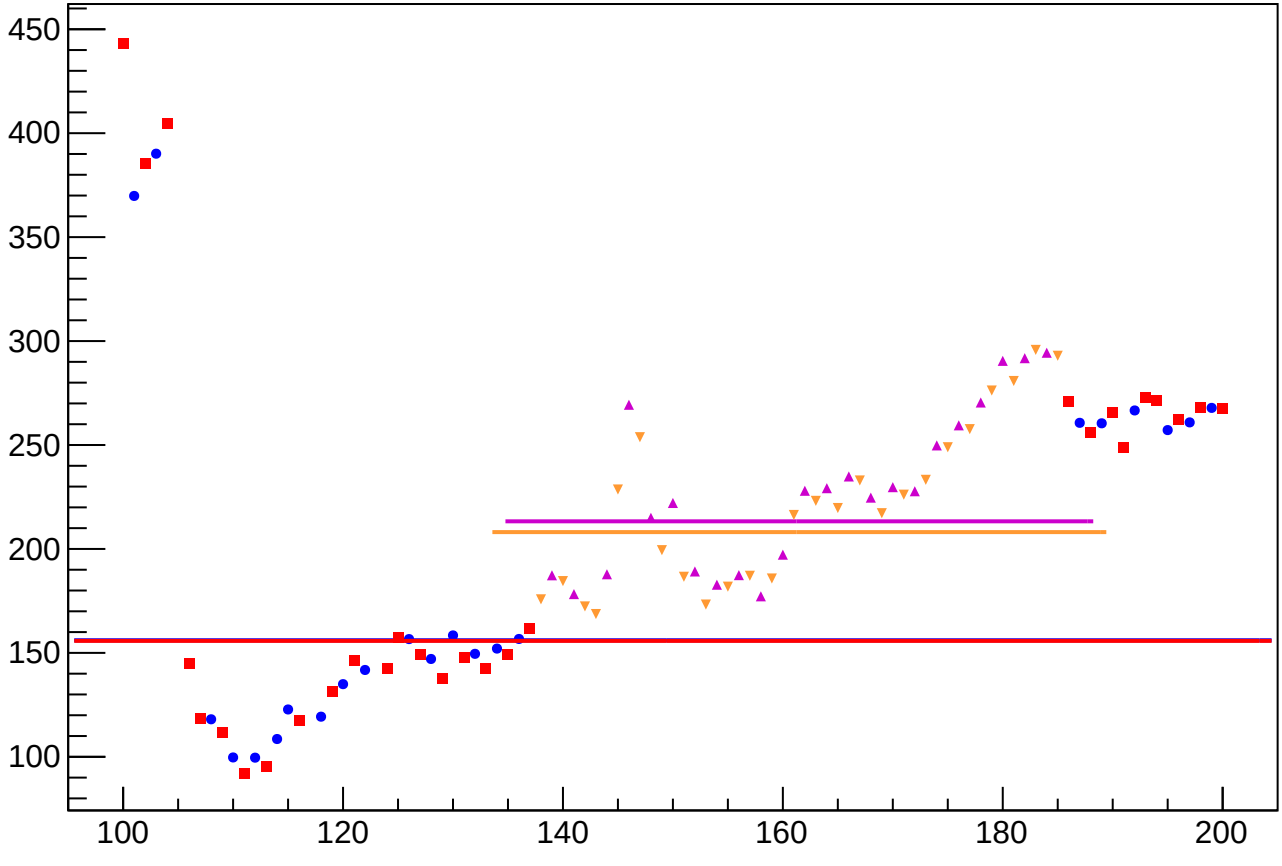
Right: 136021.941+/-0.034 χ^2/NDF: 3392396888.7/

In: 139769.683+/-0.036 χ^2/NDF:16320461610.4/4

Out: 139863.767+/-0.034 χ^2/NDF:18354335250.2

All: 139819.737+/-0.024 χ^2/NDF: 34678477

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 156.068+/-0.036 χ^2/NDF: 3056365.0/21

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

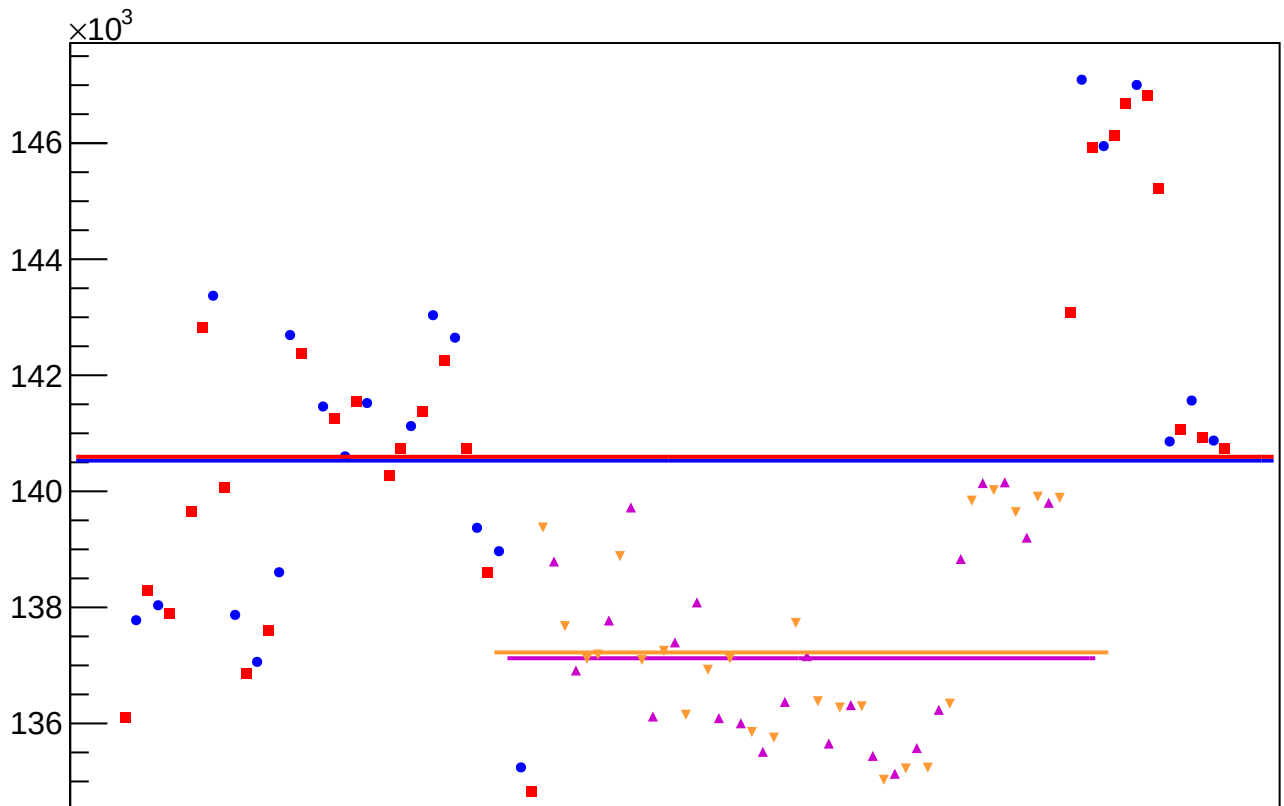
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 155.911+/-0.024 χ^2/NDF: 7167552.4/49

In: 184.303+/-0.025 χ^2/NDF:5201155.5/44

Out: 180.984+/-0.024 χ^2/NDF:6318809.5/52

All: 182.537+/-0.017 χ^2/NDF: 11529126.9/97



Right In: 140530.112+/-0.056 χ^2/NDF: 2806072308.0/21

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

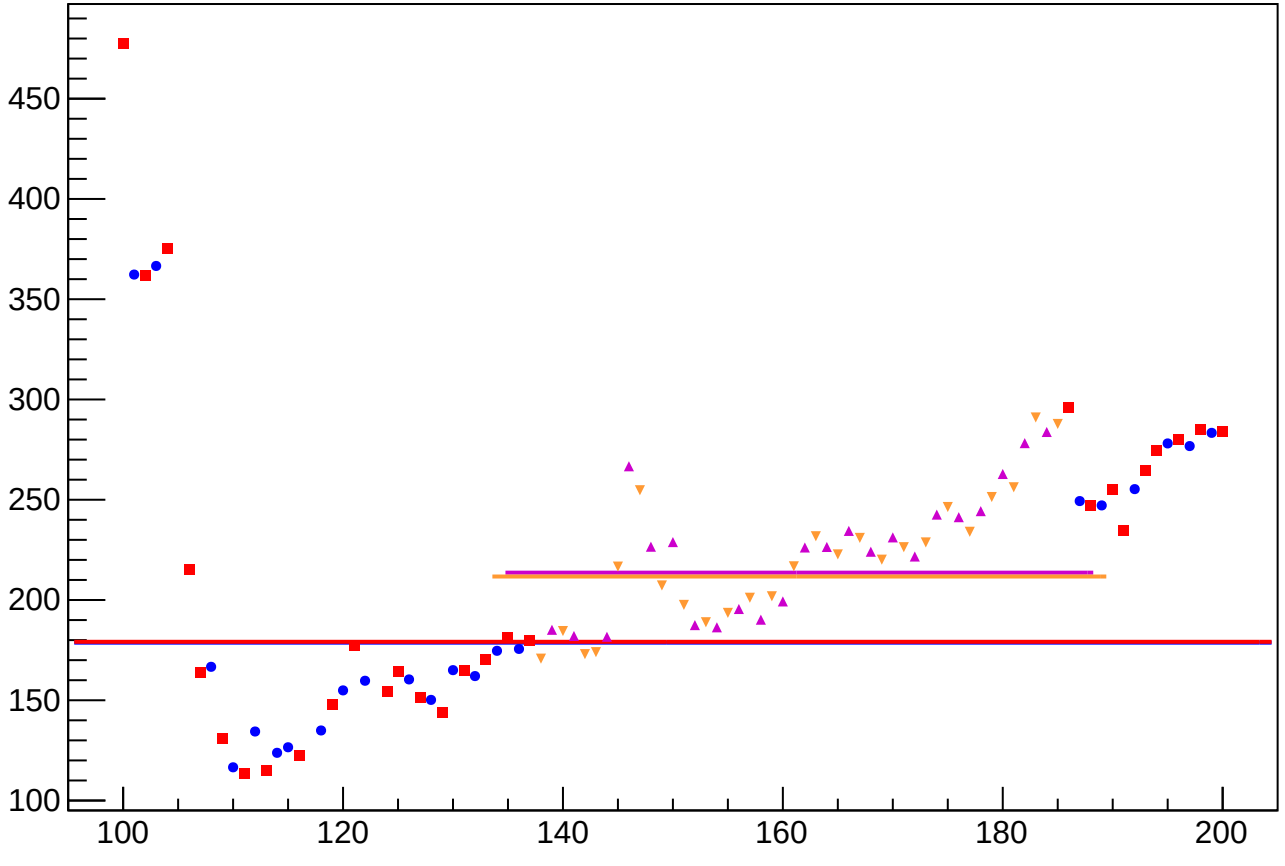
Right: 140565.348+/-0.038 χ^2/NDF: 6045968187.8/

In: 138654.079+/-0.038 χ^2/NDF:5678577998.5/44

Out: 138798.596+/-0.036 χ^2/NDF:6341465240.5/5

All: 138730.208+/-0.026 χ^2/NDF: 12027752

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.736+/-0.040 χ^2/NDF: 2192774.9/21

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

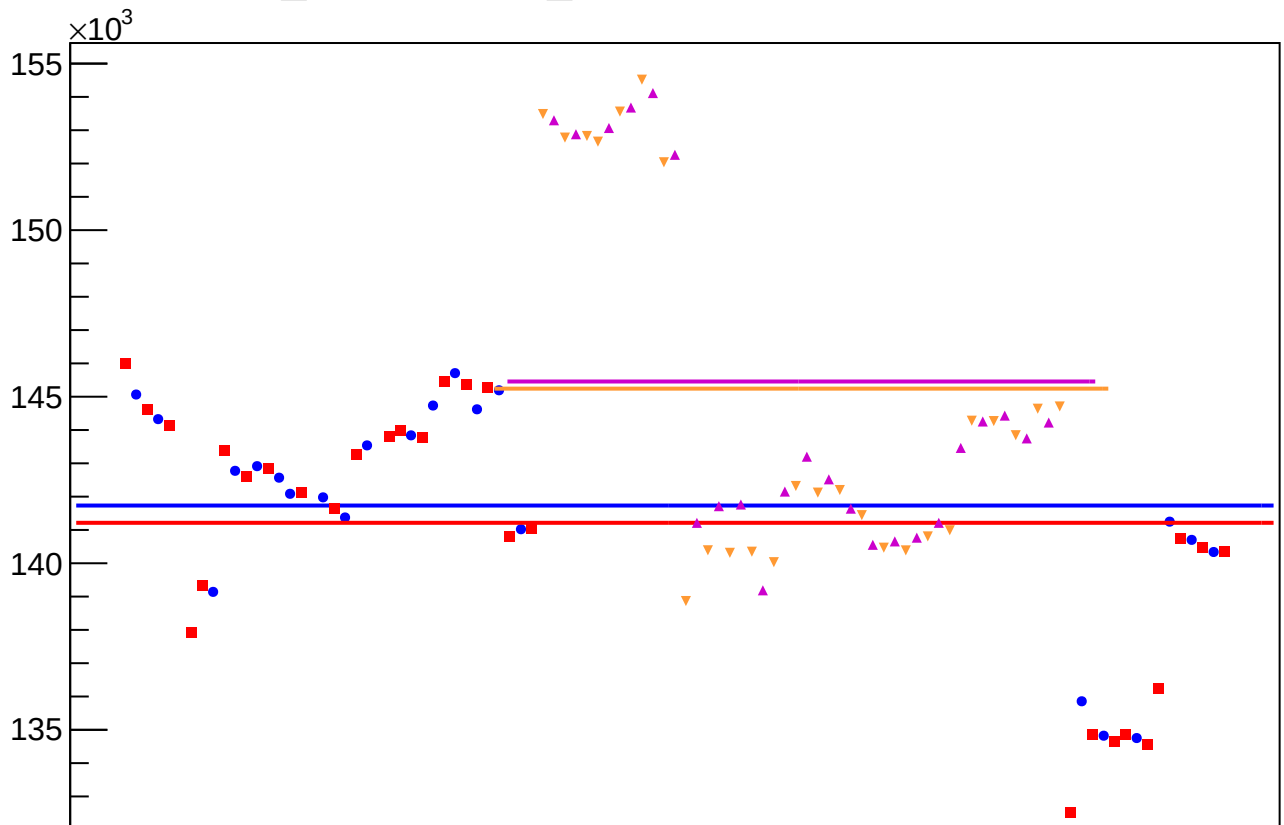
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 178.963+/-0.027 χ^2/NDF: 5246174.7/49

In: 197.959+/-0.027 χ^2/NDF:3236544.2/44

Out: 196.509+/-0.025 χ^2/NDF:4140442.9/52

All: 197.195+/-0.018 χ^2/NDF: 7378537.5/97



Right In: 141732.916+/-0.057 χ^2/NDF: 2709065084.9/21

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

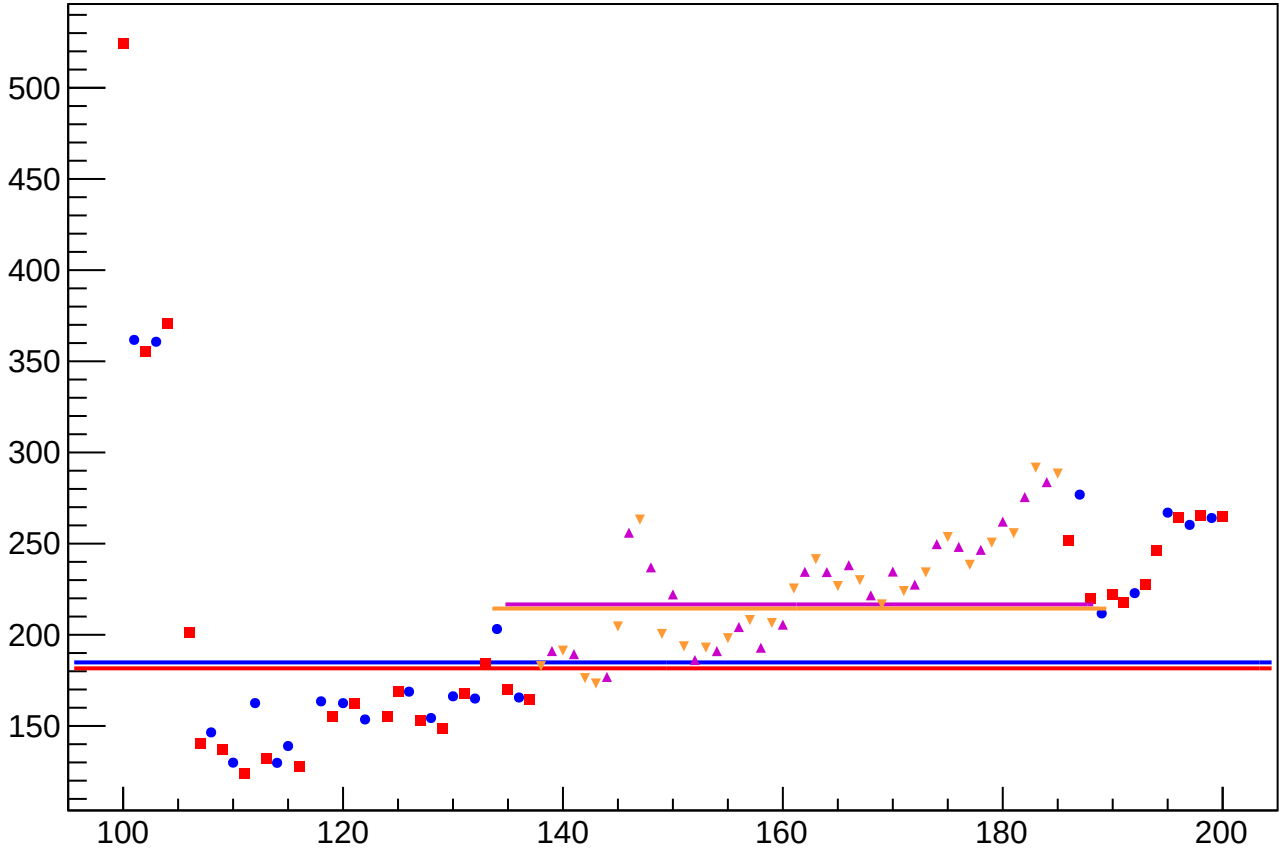
Right: 141448.660+/-0.039 χ^2/NDF: 7132486174.8/

In: 143795.526+/-0.038 χ^2/NDF:16107231402.3/4

Out: 143329.231+/-0.036 χ^2/NDF:20541378871.1

All: 143547.137+/-0.026 χ^2/NDF: 367272077

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 184.860+/-0.041 χ^2/NDF: 1595876.8/21

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

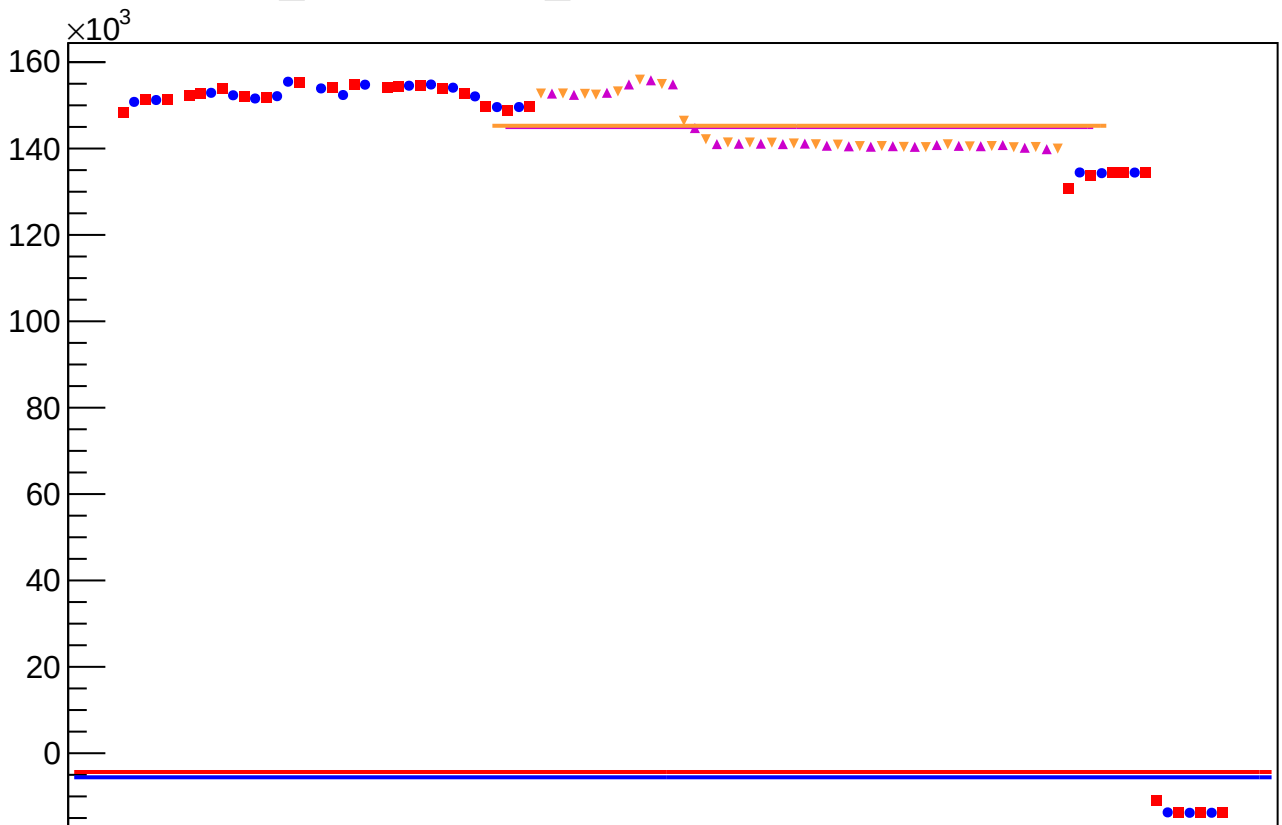
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 183.072+/-0.027 χ^2/NDF: 3761185.7/49

In: 202.471+/-0.027 χ^2/NDF:2522056.0/44

Out: 198.816+/-0.025 χ^2/NDF:3220043.1/52

All: 200.524+/-0.019 χ^2/NDF: 5751757.3/97



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

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

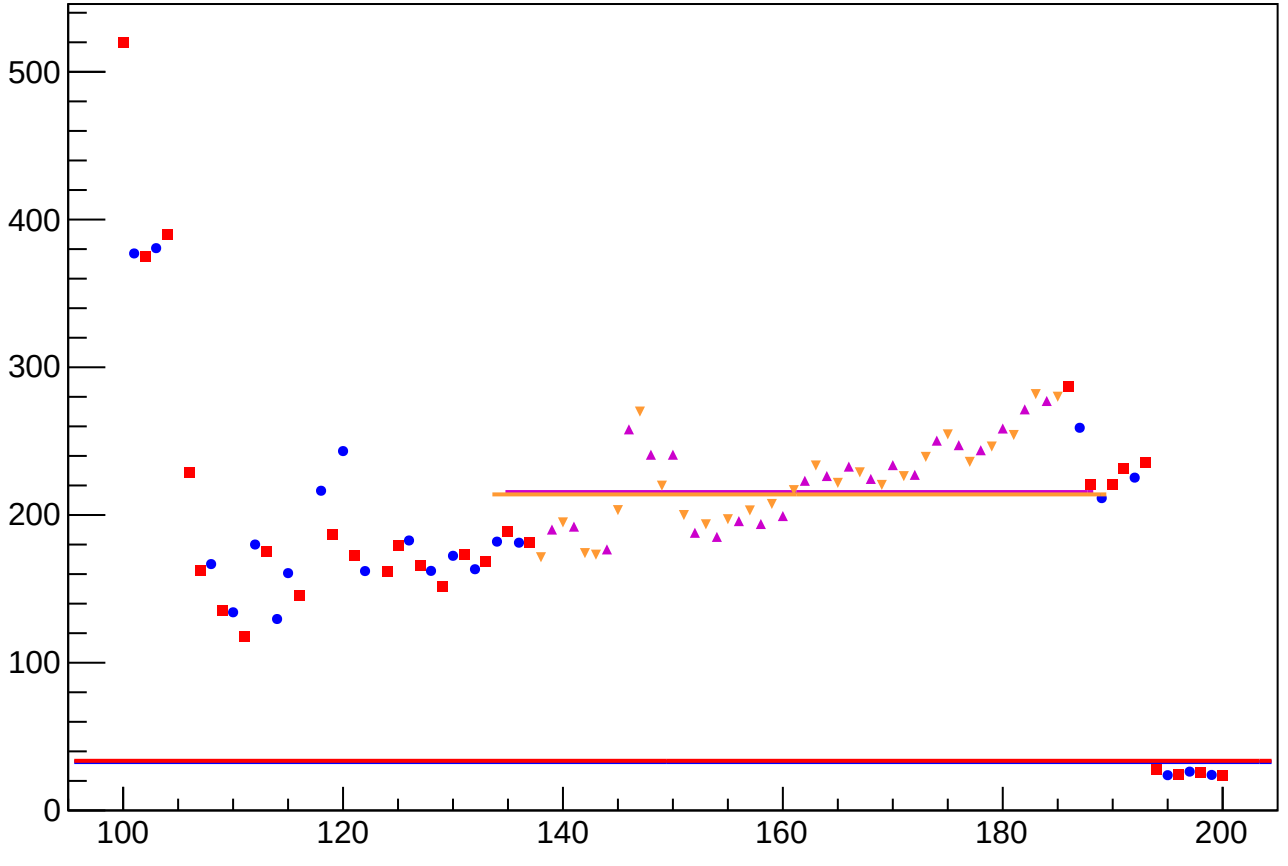
Right: -4927.111+/-0.010 χ^2/NDF: 1257815413967

In: 6278.406+/-0.014 χ^2/NDF:13660159930731.7

Out: 7112.251+/-0.014 χ^2/NDF:15378775739794.

All: 6716.140+/-0.010 χ^2/NDF: 2904070407

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

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

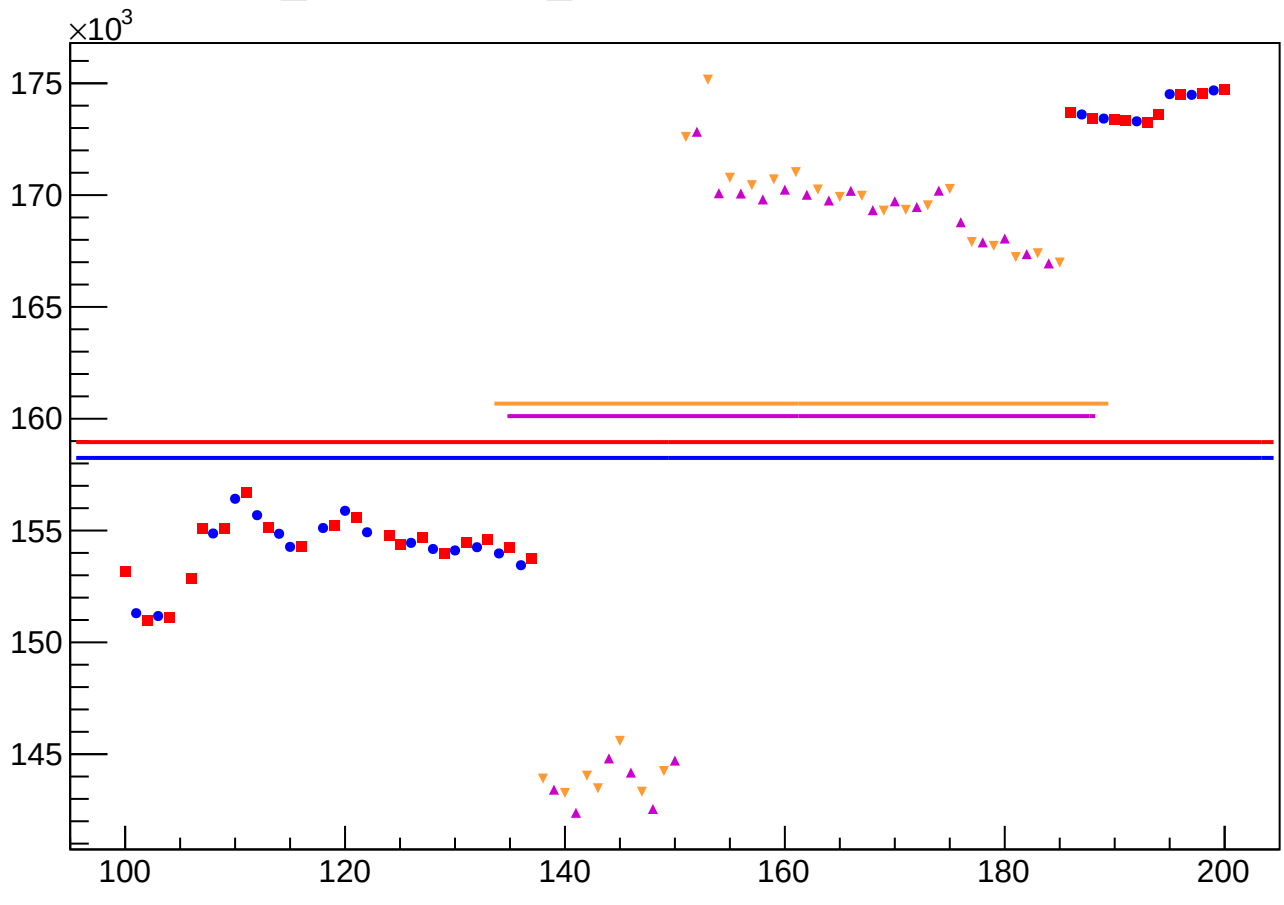
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 33.202+/-0.007 χ^2/NDF: 26171068.8/49

In: 47.143+/-0.010 χ^2/NDF:36332727.5/44

Out: 47.418+/-0.010 χ^2/NDF:39191844.4/52

All: 47.287+/-0.007 χ^2/NDF: 75524956.8/97



Right In: 158247.887+/-0.059 χ^2/NDF: 16286146123.3/21

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.

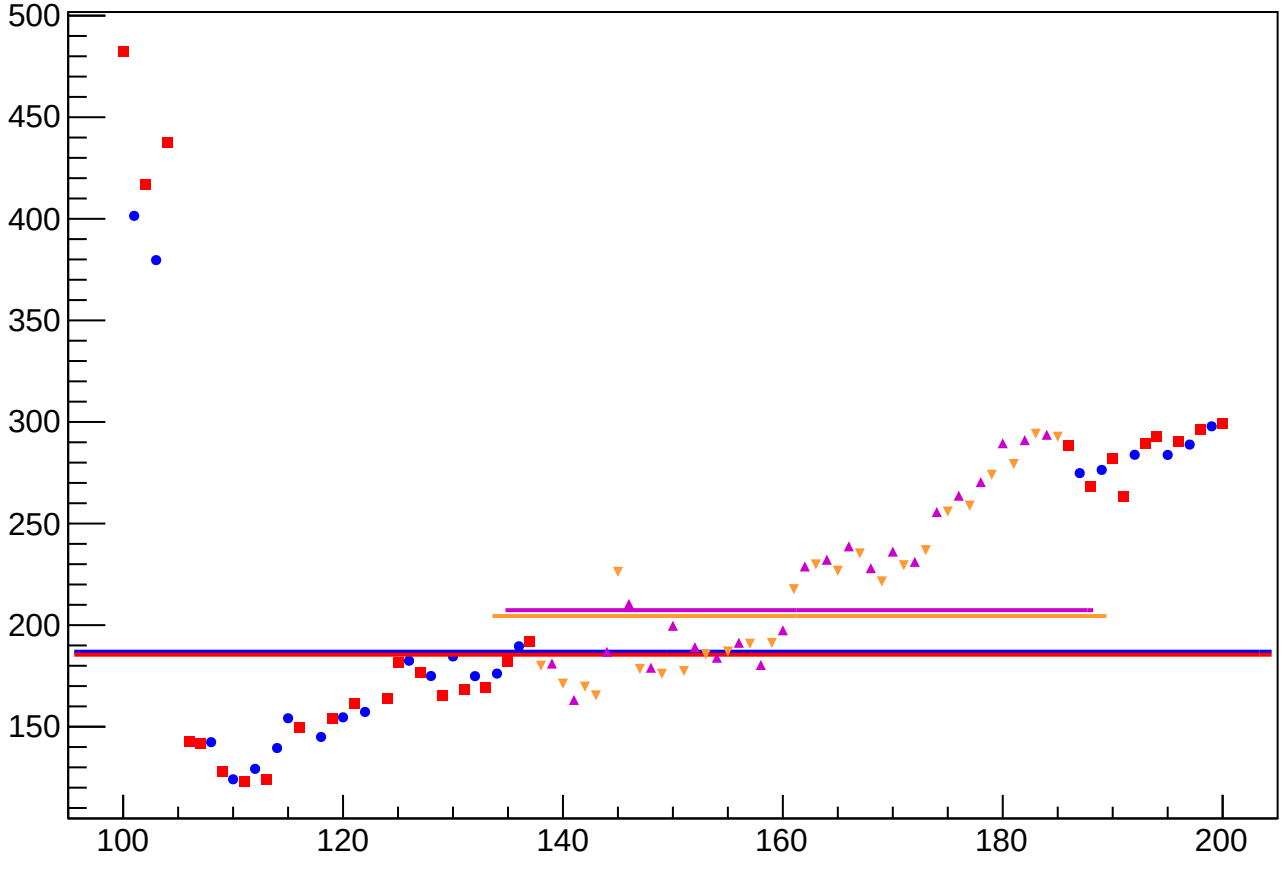
Right: 158632.557+/-0.040 χ^2/NDF: 37991315726.

In: 159346.604+/-0.038 χ^2/NDF:83429942675.9/4

Out: 159926.694+/-0.036 χ^2/NDF:96354901860.5

All: 159654.373+/-0.026 χ^2/NDF: 17990934

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 186.928+/-0.042 χ^2/NDF: 2333536.5/21

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

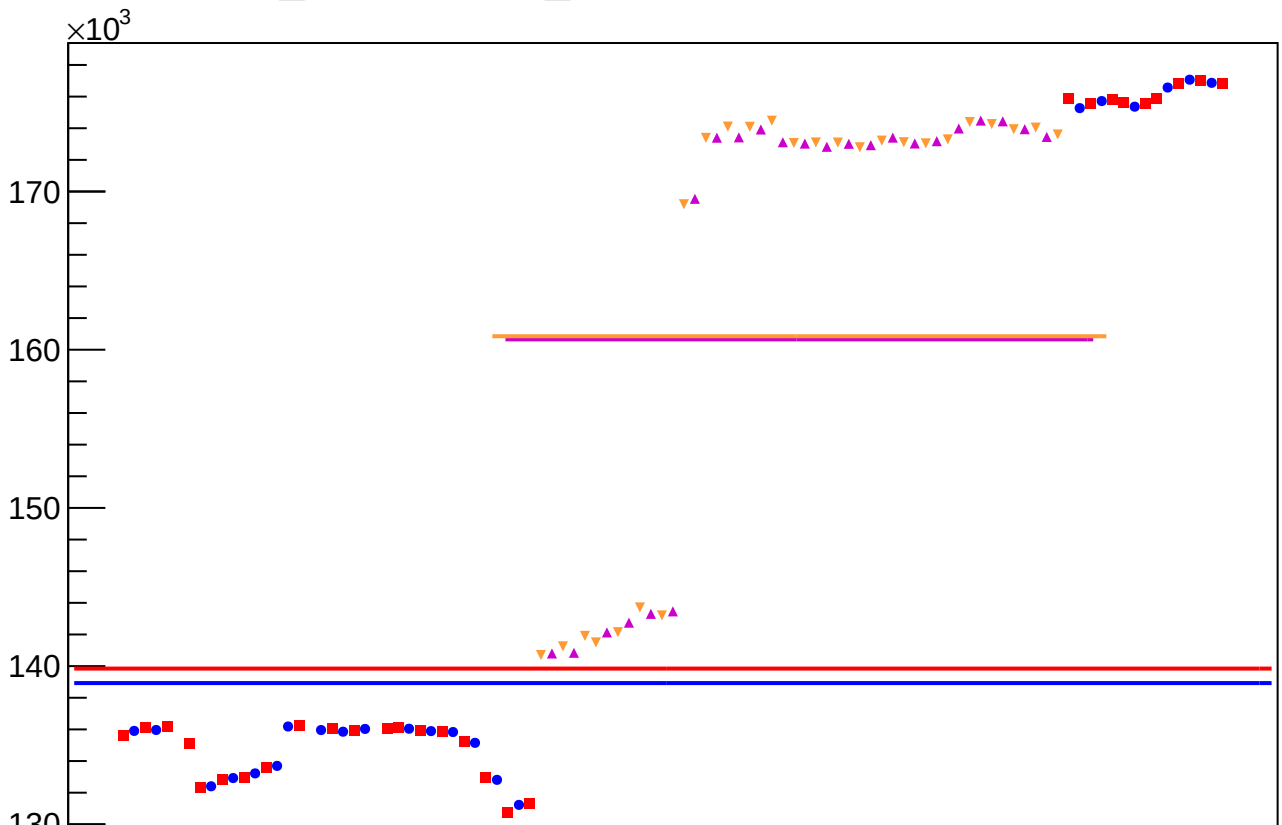
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 186.129+/-0.028 χ^2/NDF: 5563310.7/49

In: 198.940+/-0.027 χ^2/NDF:3431373.5/44

Out: 196.203+/-0.025 χ^2/NDF:4442412.3/52

All: 197.488+/-0.018 χ^2/NDF: 7879332.2/97



Right In: 138928.154+/-0.048 χ^2/NDF: 76836941236.4/21

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139844.718+/-0.045 χ^2/NDF: 104303178239.8/27

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

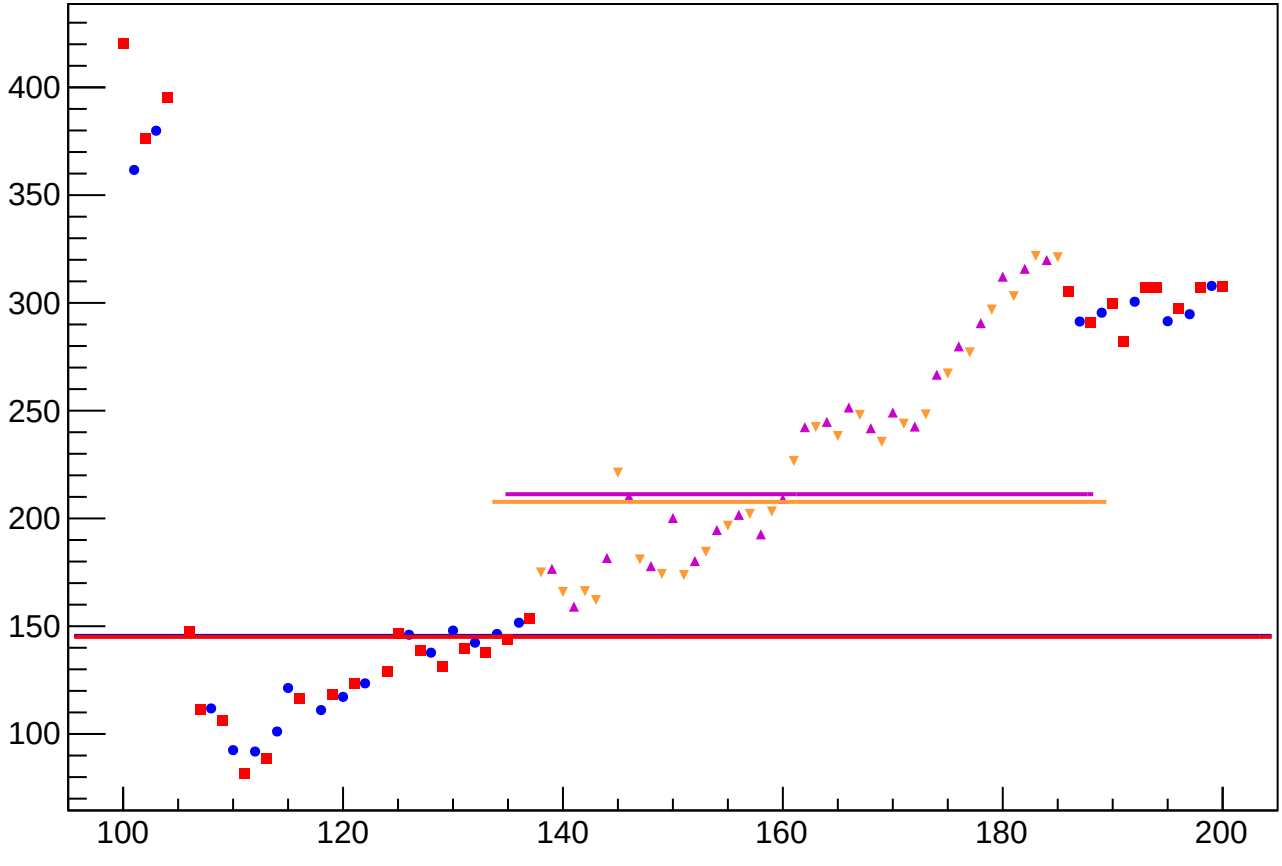
Right: 139419.060+/-0.033 χ^2/NDF: 18133598567

In: 149201.262+/-0.035 χ^2/NDF:264145075402.3

Out: 149491.795+/-0.033 χ^2/NDF:305243906380.

All: 149355.027+/-0.024 χ^2/NDF: 5694258

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 145.516+/-0.034 χ^2/NDF: 3995985.3/21

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

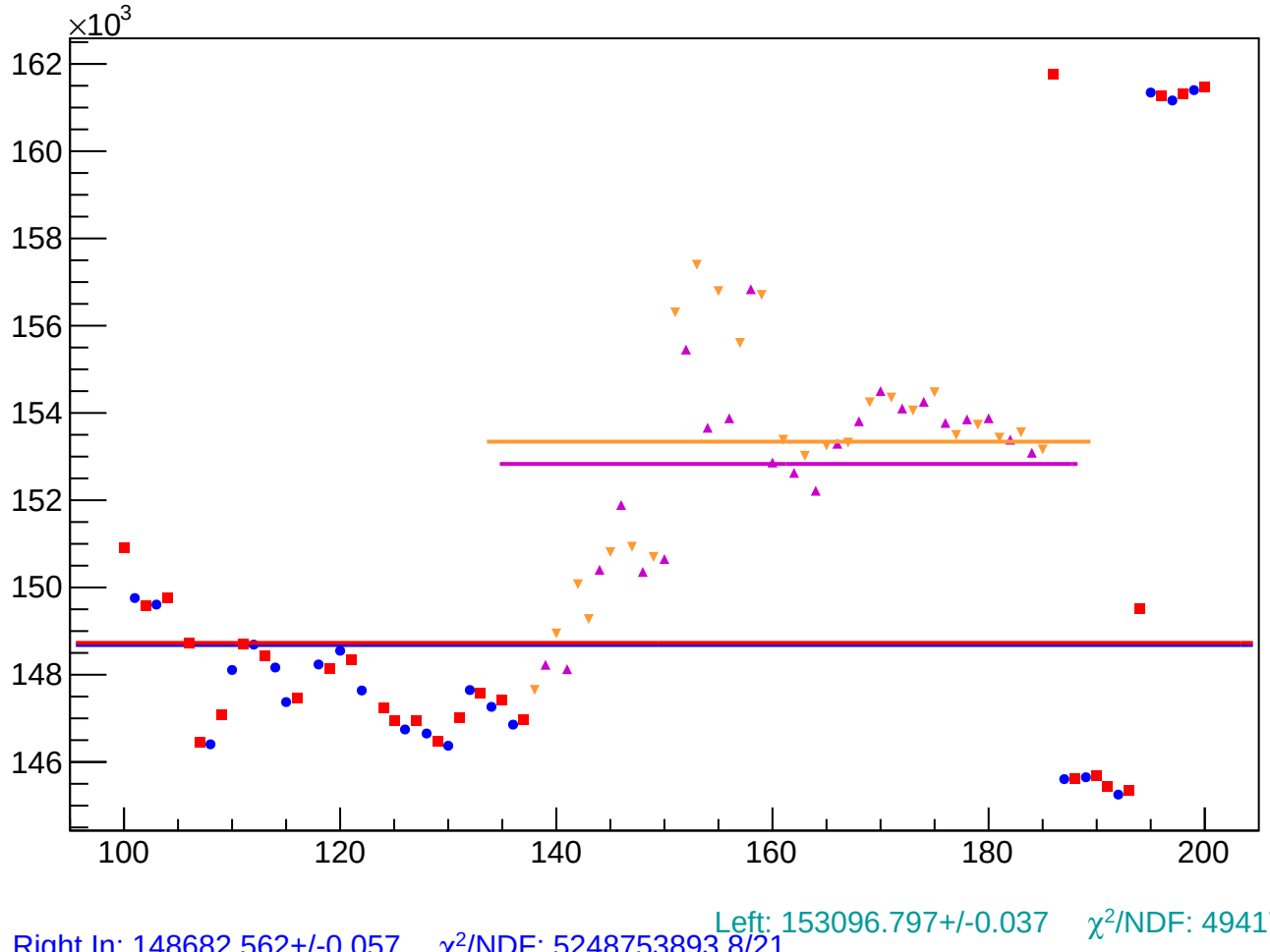
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 145.265+/-0.023 χ^2/NDF: 9457816.1/49

In: 176.600+/-0.025 χ^2/NDF:7080760.4/44

Out: 173.815+/-0.023 χ^2/NDF:8771912.8/52

All: 175.126+/-0.017 χ^2/NDF: 15859455.4/97



Right In: 148682.562+/-0.057 χ^2/NDF: 5248753893.8/21

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

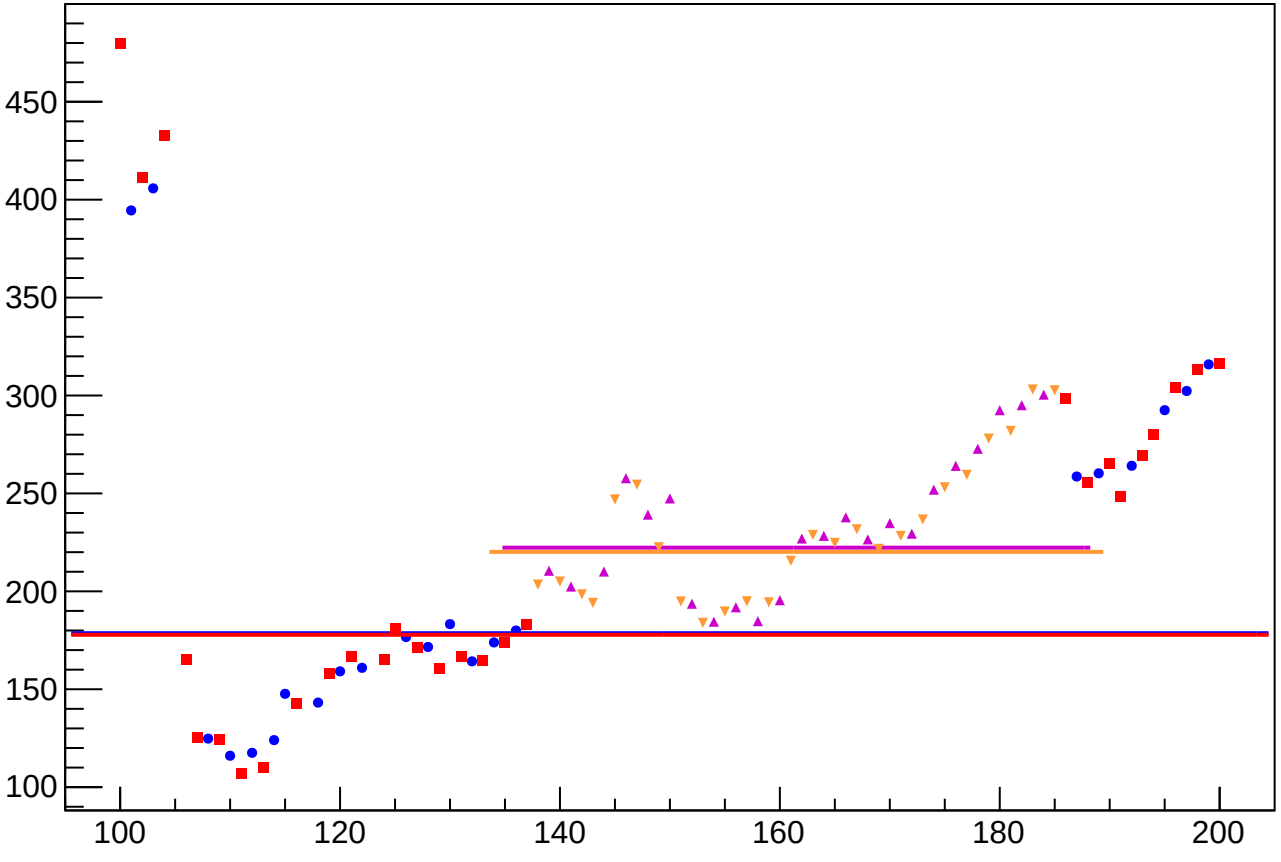
Right: 148707.865+/-0.039 χ^2/NDF: 11005299067.

In: 150911.846+/-0.039 χ^2/NDF:10019828580.4/4

Out: 151107.922+/-0.036 χ^2/NDF:12729302184.7

All: 151015.684+/-0.027 χ^2/NDF: 22762722

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 178.614+/-0.040 χ^2/NDF: 2728653.4/21

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

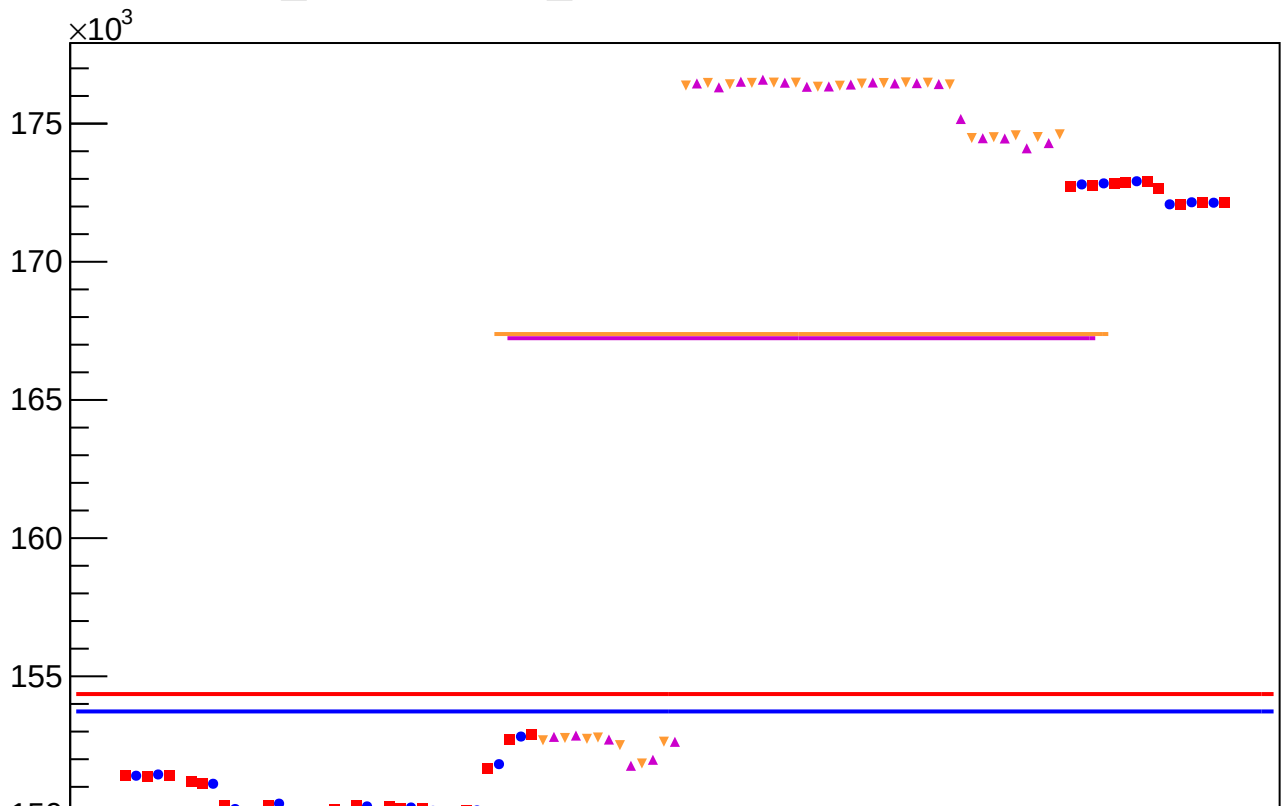
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 178.179+/-0.027 χ^2/NDF: 6397970.2/49

In: 202.090+/-0.027 χ^2/NDF:4059847.6/44

Out: 199.644+/-0.026 χ^2/NDF:5027852.1/52

All: 200.795+/-0.019 χ^2/NDF: 9091930.5/97



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

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.

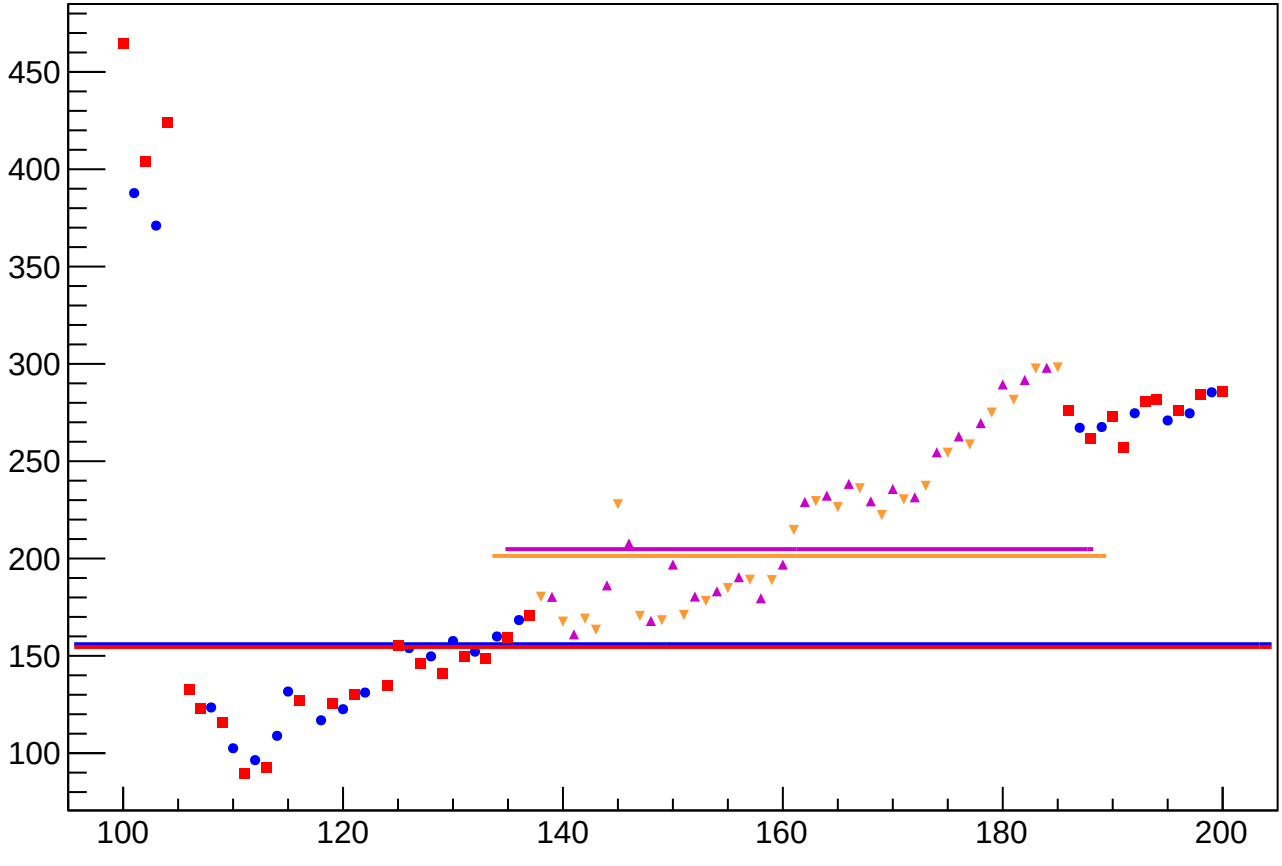
Right: 154070.099+/-0.034 χ^2/NDF: 55761218348.

In: 160704.044+/-0.035 χ^2/NDF:115430671756.0

Out: 160820.283+/-0.033 χ^2/NDF:131038574115.

All: 160765.931+/-0.024 χ^2/NDF: 24647507

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

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

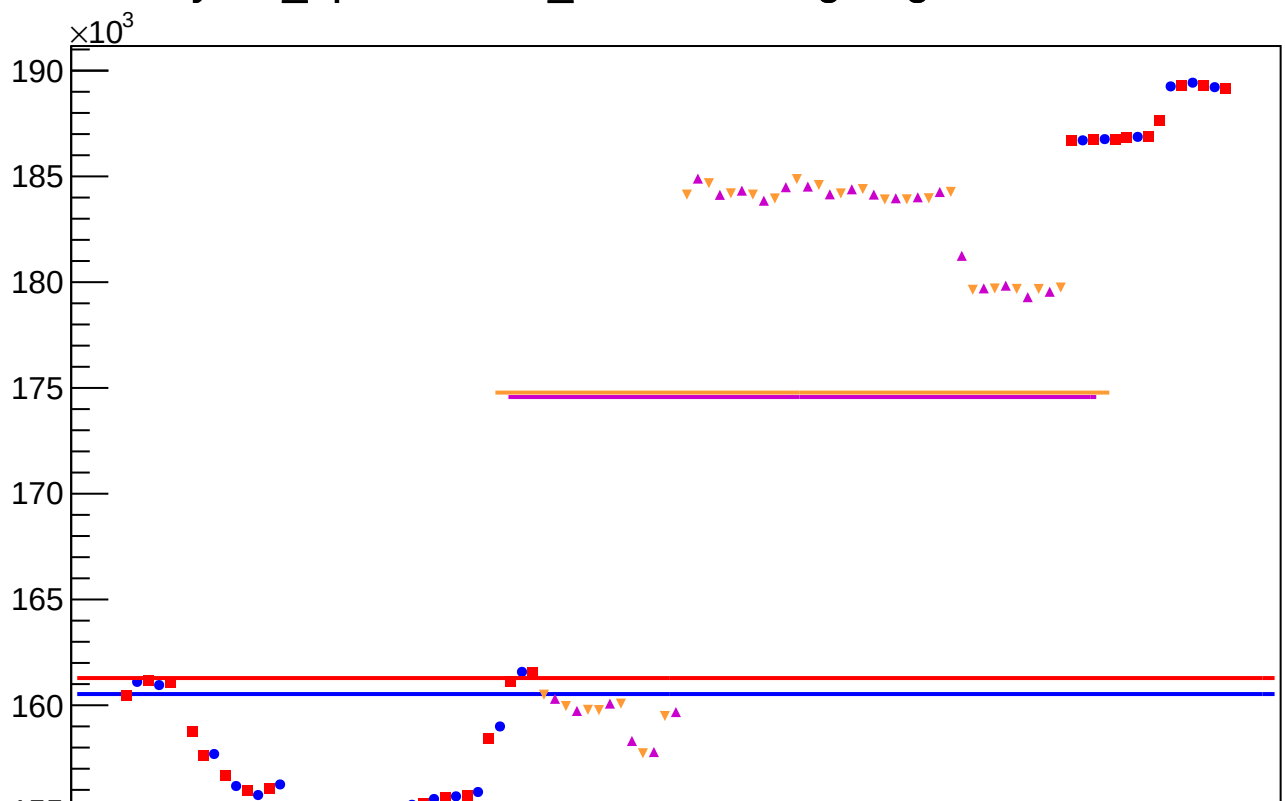
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 155.206+/-0.024 χ^2/NDF: 7795827.3/49

In: 181.199+/-0.025 χ^2/NDF:5307689.7/44

Out: 177.764+/-0.023 χ^2/NDF:6746975.0/52

All: 179.370+/-0.017 χ^2/NDF: 12064849.3/97



Right In: 160529.483+/-0.053 χ^2/NDF: 41298265206.3/21

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.

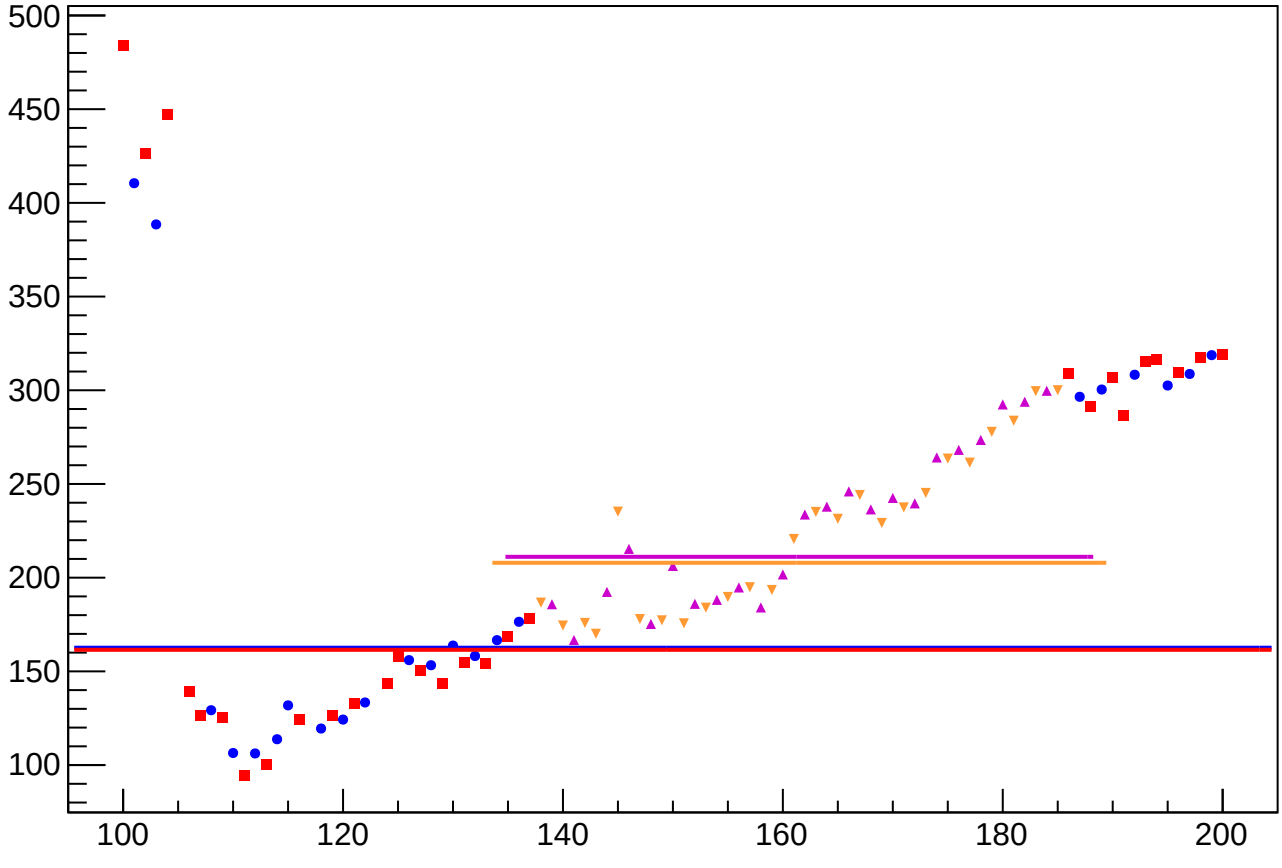
Right: 160938.689+/-0.036 χ^2/NDF: 96301989462.

In: 167921.447+/-0.037 χ^2/NDF:132900002462.4

Out: 168126.403+/-0.034 χ^2/NDF:151669542185.

All: 168030.287+/-0.025 χ^2/NDF: 28458626

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 162.621+/-0.038 χ^2/NDF: 3573244.6/21

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

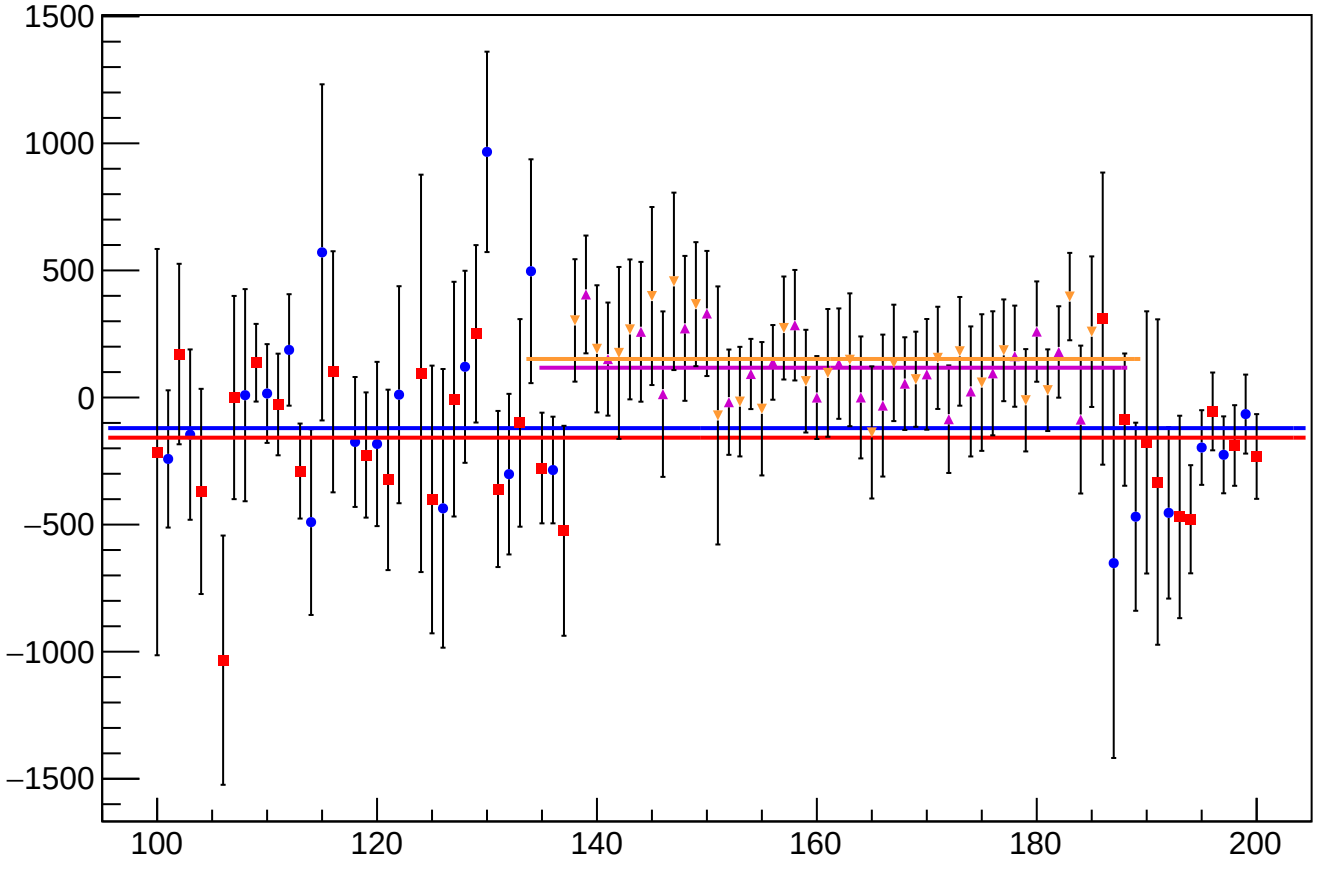
Right: 162.019+/-0.025 χ^2/NDF: 8471964.3/49

In: 188.161+/-0.026 χ^2/NDF:5446661.6/44

Out: 185.045+/-0.024 χ^2/NDF:6945260.3/52

All: 186.507+/-0.018 χ^2/NDF: 12399655.2/97

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

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

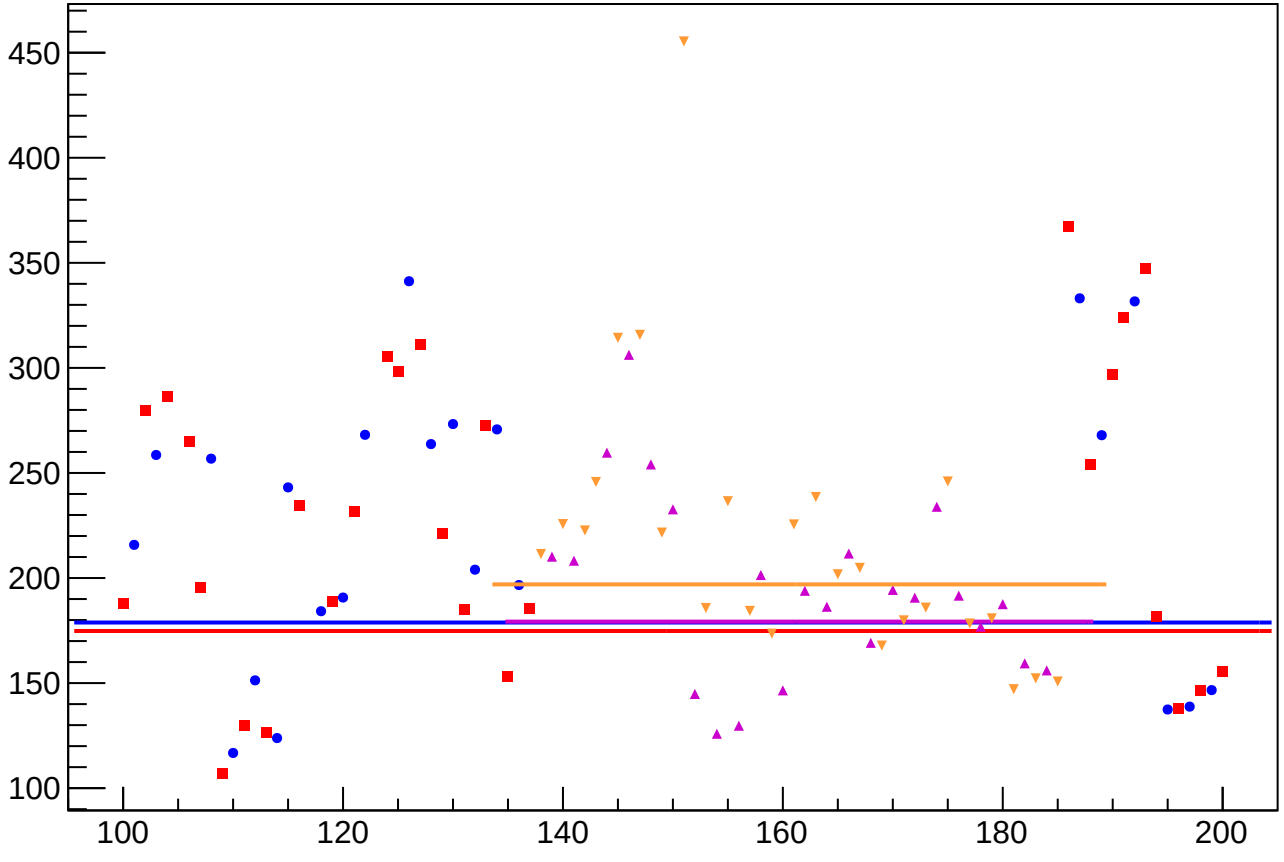
Right: -140.954+/-37.699 χ^2/NDF: 37.2/49

In: 26.888+/-34.473 χ^2/NDF:38.2/44

Out: 11.421+/-34.340 χ^2/NDF:47.2/52

All: 19.124+/-24.329 χ^2/NDF: 85.5/97

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

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

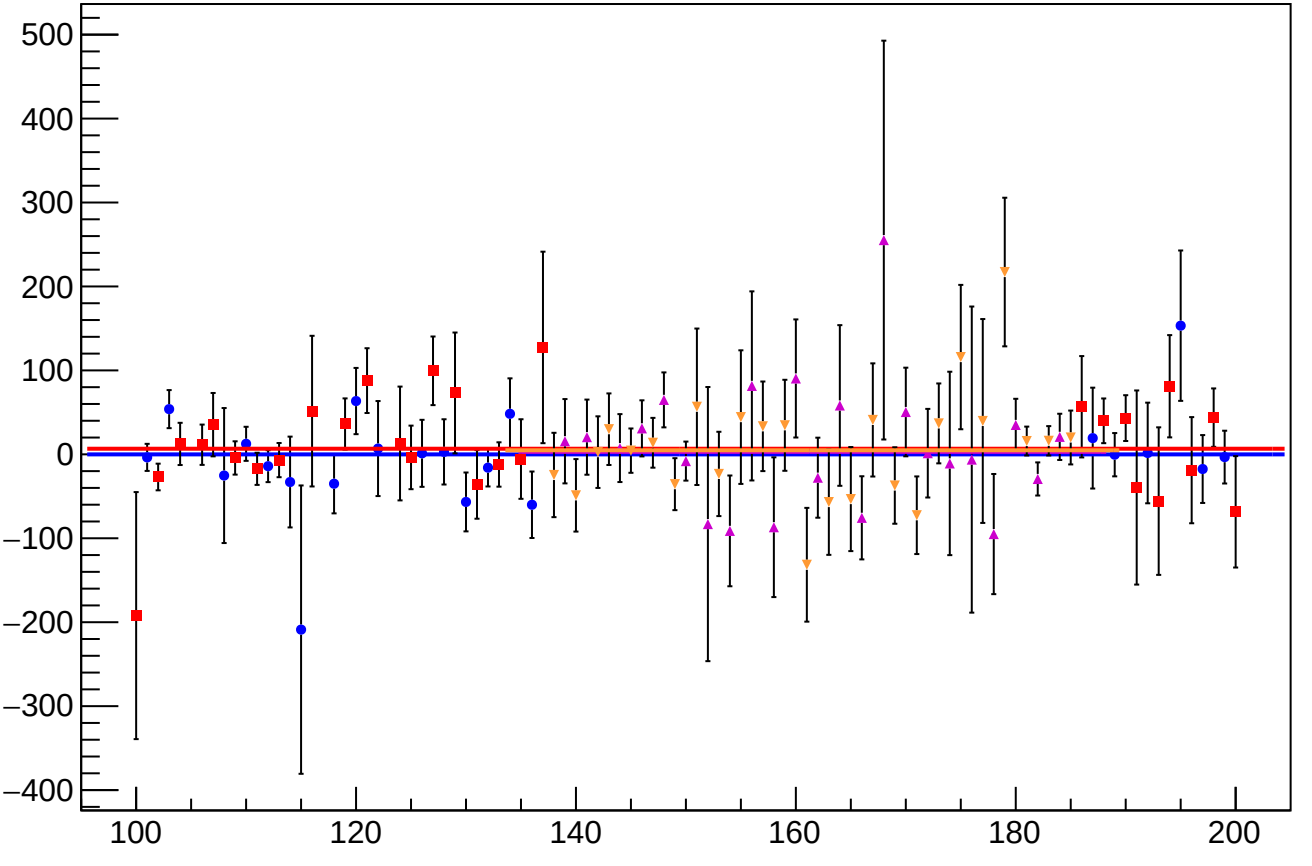
Right: 176.625+/-0.027 χ^2/NDF: 4962948.1/49

In: 179.094+/-0.024 χ^2/NDF:3765535.5/44

Out: 186.932+/-0.024 χ^2/NDF:4863941.8/52

All: 183.028+/-0.017 χ^2/NDF: 8681371.0/97

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-6.686 χ^2/NDF: 22.1/21

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

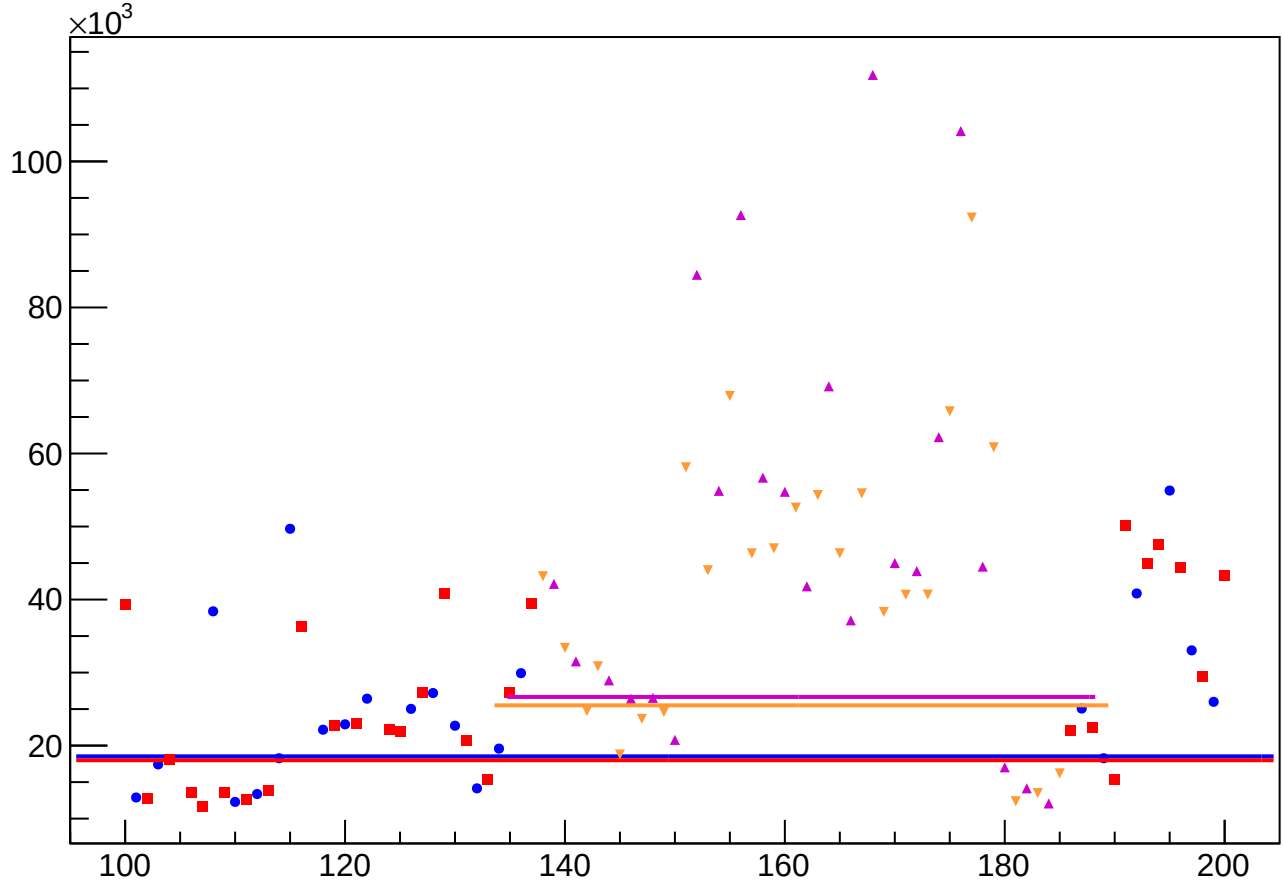
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 3.602+/-4.517 χ^2/NDF: 55.2/49

In: 1.023+/-5.333 χ^2/NDF:43.7/44

Out: 5.939+/-4.770 χ^2/NDF:56.9/52

All: 3.754+/-3.555 χ^2/NDF: 101.1/97



Right In: 18527.469+/-4.728 χ^2/NDF: 2283984.1/21

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

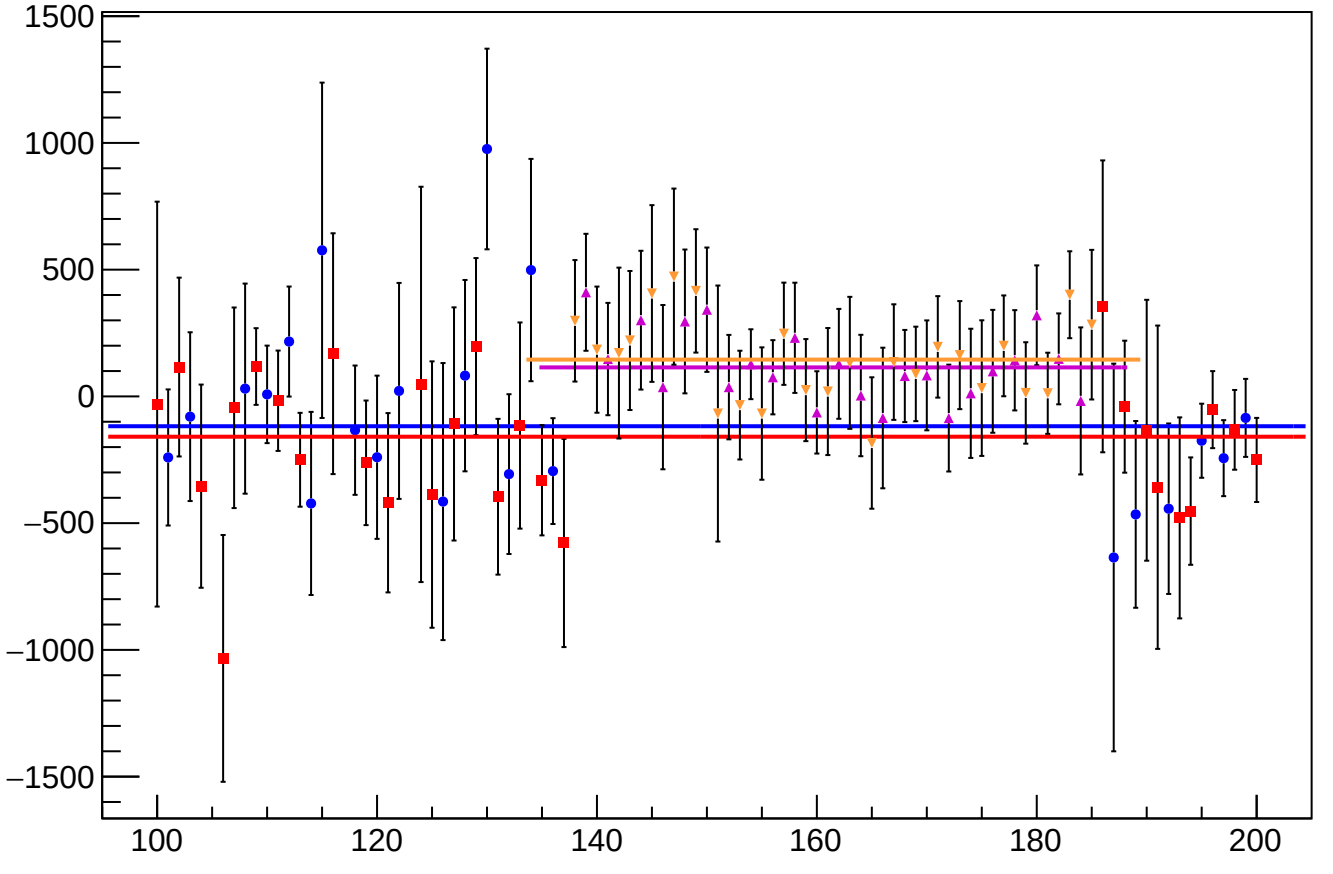
Right: 18236.805+/-3.194 χ^2/NDF: 5441750.7/49

In: 21487.184+/-3.771 χ^2/NDF:9244069.3/44

Out: 20954.147+/-3.373 χ^2/NDF:12080028.8/52

All: 21191.062+/-2.514 χ^2/NDF: 21335198.8

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -117.701+/-55.566 χ^2/NDF: 19.7/21

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

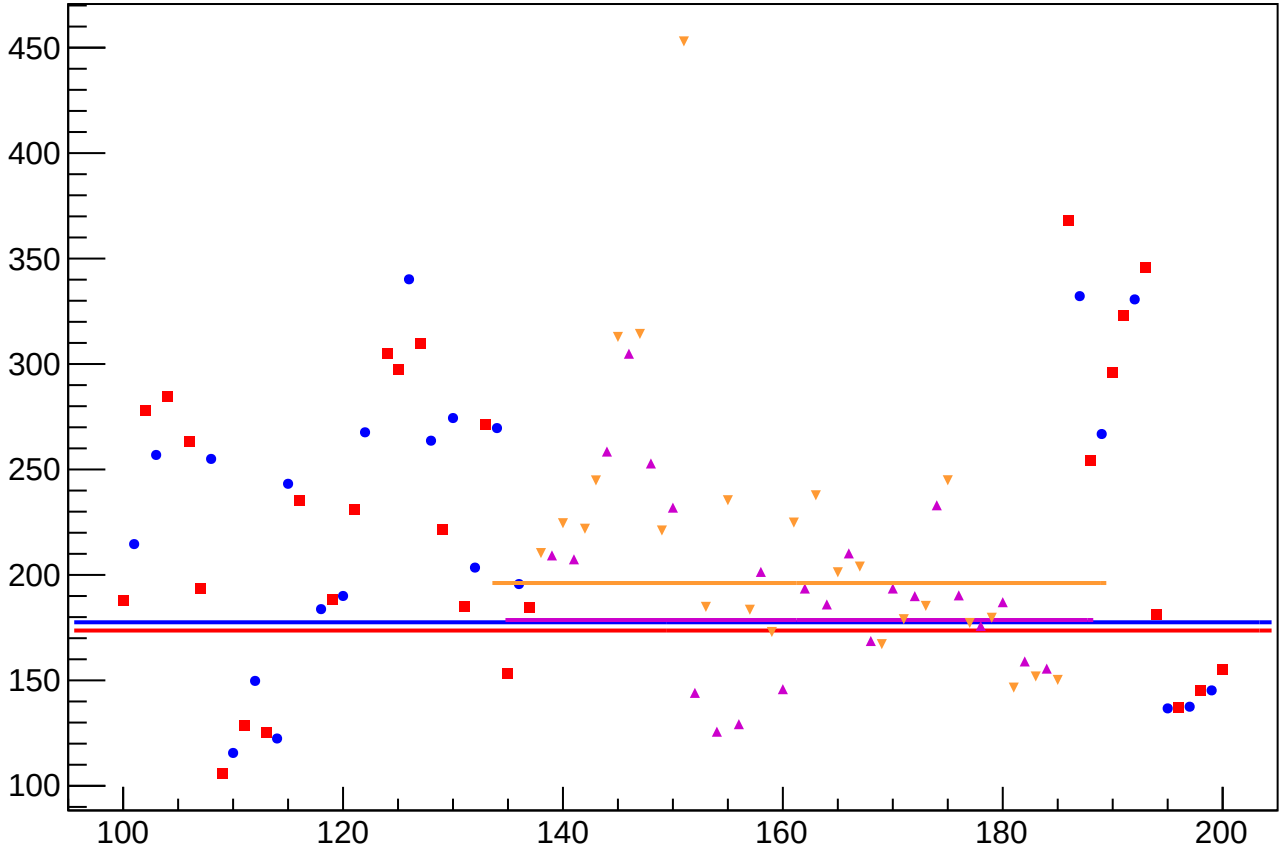
Right: -140.238+/-37.468 χ^2/NDF: 37.5/49

In: 25.905+/-34.311 χ^2/NDF:38.8/44

Out: 7.196+/-34.170 χ^2/NDF:48.4/52

All: 16.512+/-24.211 χ^2/NDF: 87.4/97

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 177.546+/-0.039 χ^2/NDF: 2139941.0/21

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

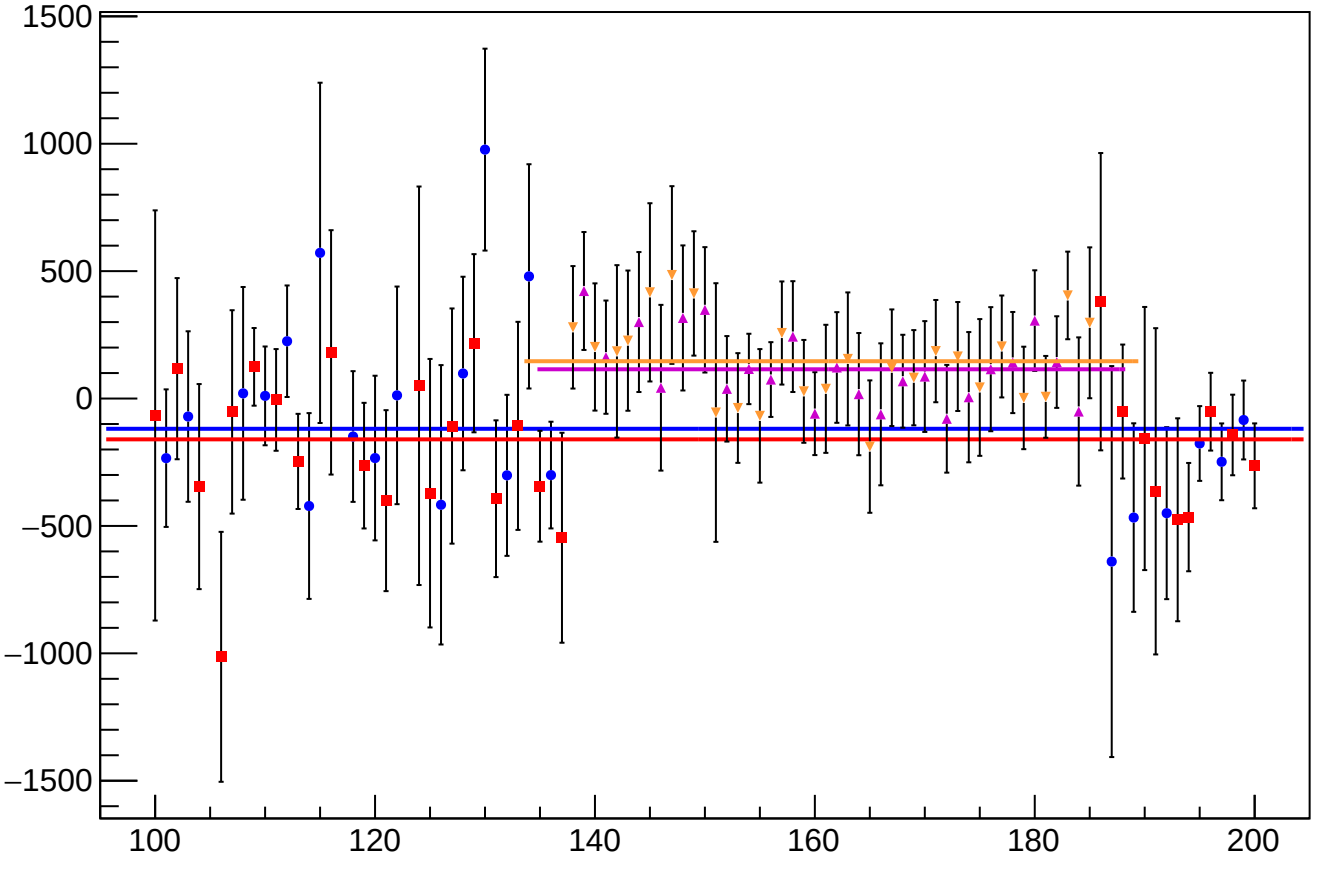
Right: 175.414+/-0.026 χ^2/NDF: 5029915.1/49

In: 178.211+/-0.024 χ^2/NDF:3792278.0/44

Out: 185.947+/-0.024 χ^2/NDF:4906918.3/52

All: 182.095+/-0.017 χ^2/NDF: 8750246.0/97

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -118.737+/-55.854 χ^2/NDF: 19.7/21

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

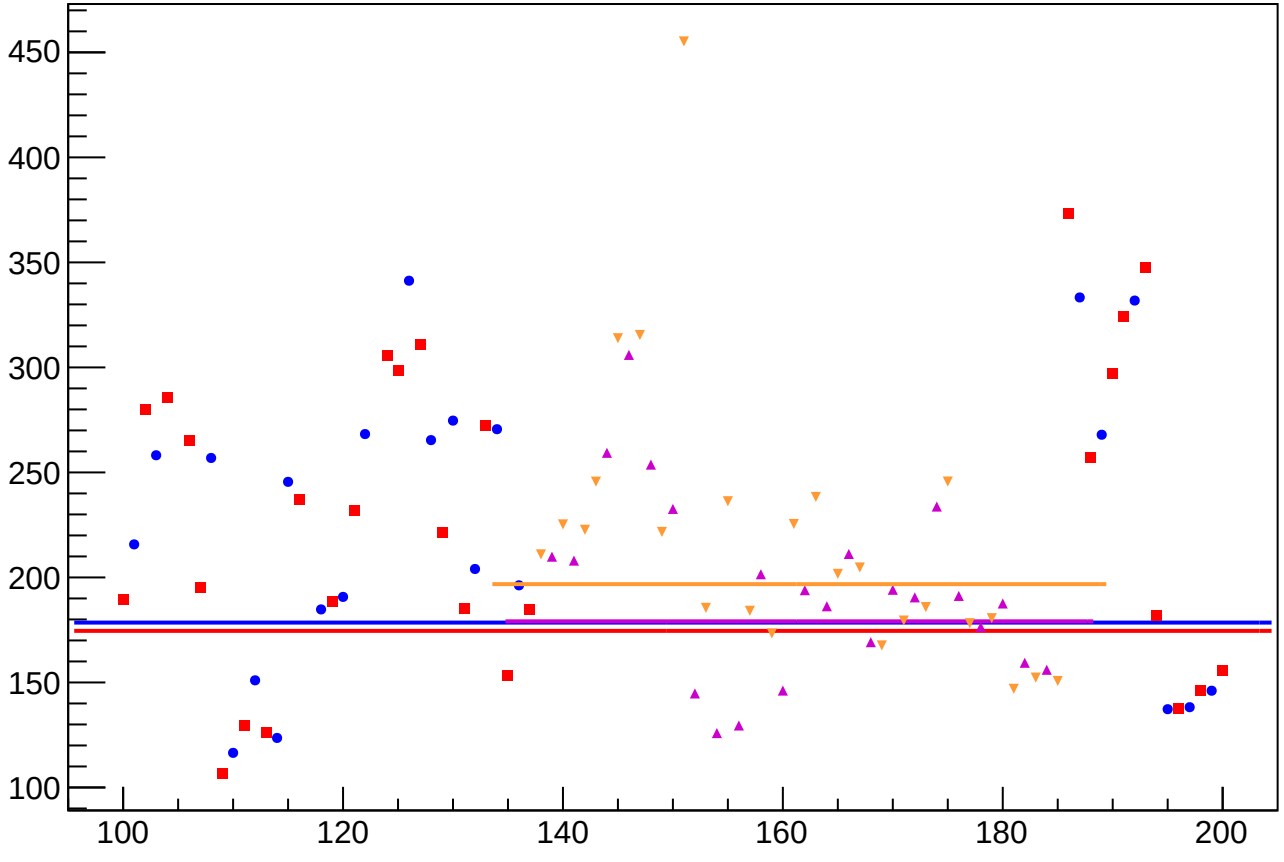
Right: -141.345+/-37.664 χ^2/NDF: 37.7/49

In: 26.026+/-34.437 χ^2/NDF:38.9/44

Out: 7.643+/-34.314 χ^2/NDF:48.9/52

All: 16.802+/-24.307 χ^2/NDF: 88.0/97

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 178.508+/-0.039 χ^2/NDF: 2129699.9/21

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

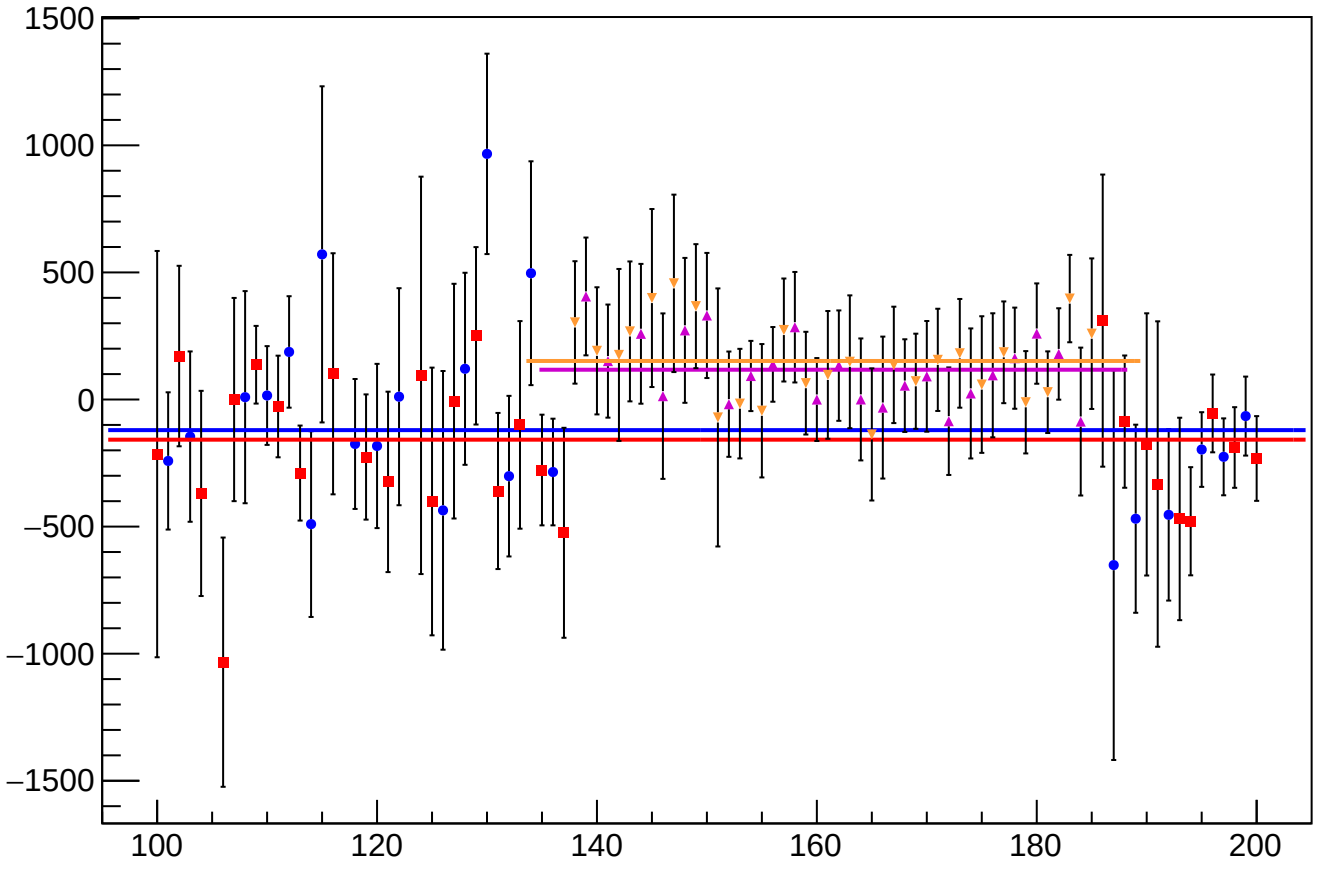
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 176.358+/-0.027 χ^2/NDF: 5015727.2/49

In: 178.875+/-0.024 χ^2/NDF:3785705.7/44

Out: 186.740+/-0.024 χ^2/NDF:4897352.0/52

All: 182.822+/-0.017 χ^2/NDF: 8735394.4/97



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

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

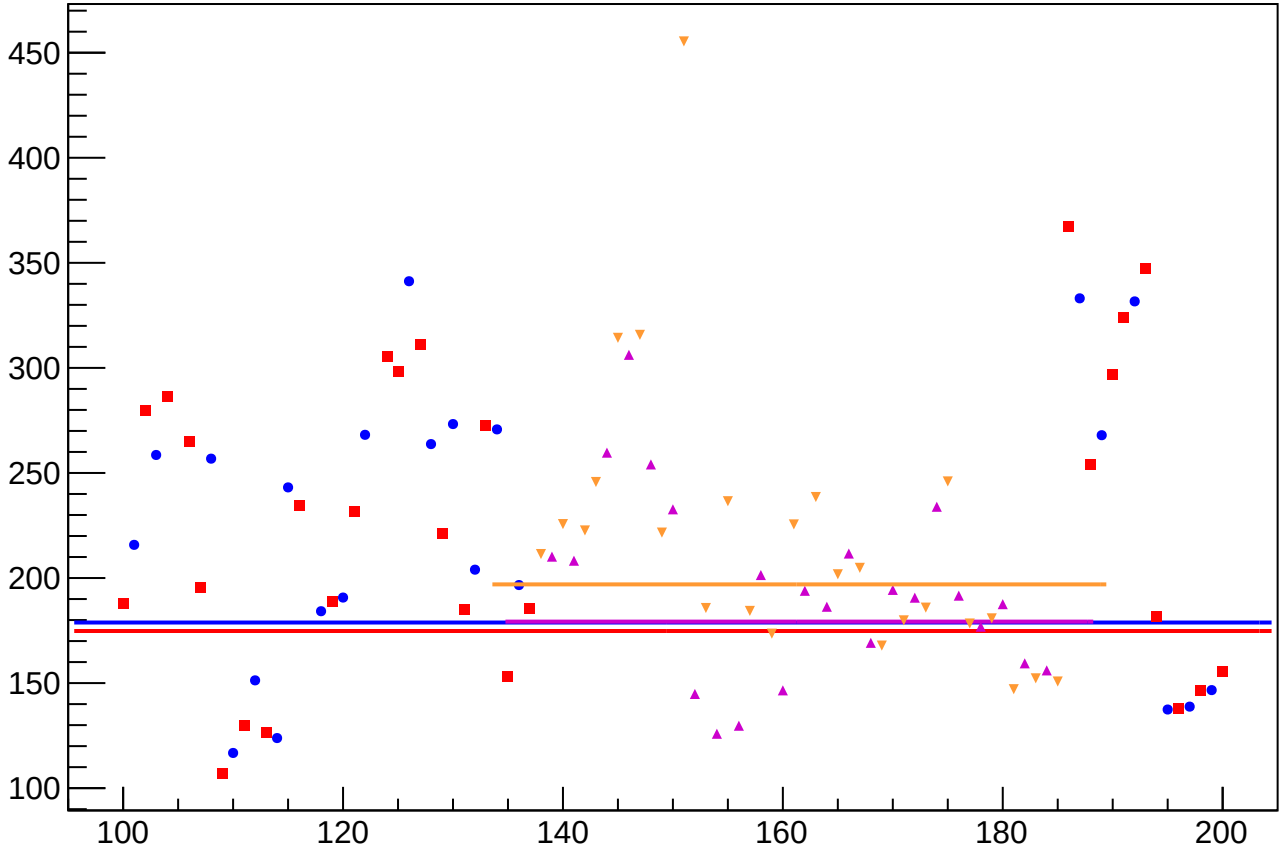
Right: -140.954+/-37.699 χ^2/NDF: 37.2/49

In: 26.888+/-34.473 χ^2/NDF:38.2/44

Out: 11.421+/-34.340 χ^2/NDF:47.2/52

All: 19.124+/-24.329 χ^2/NDF: 85.5/97

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

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

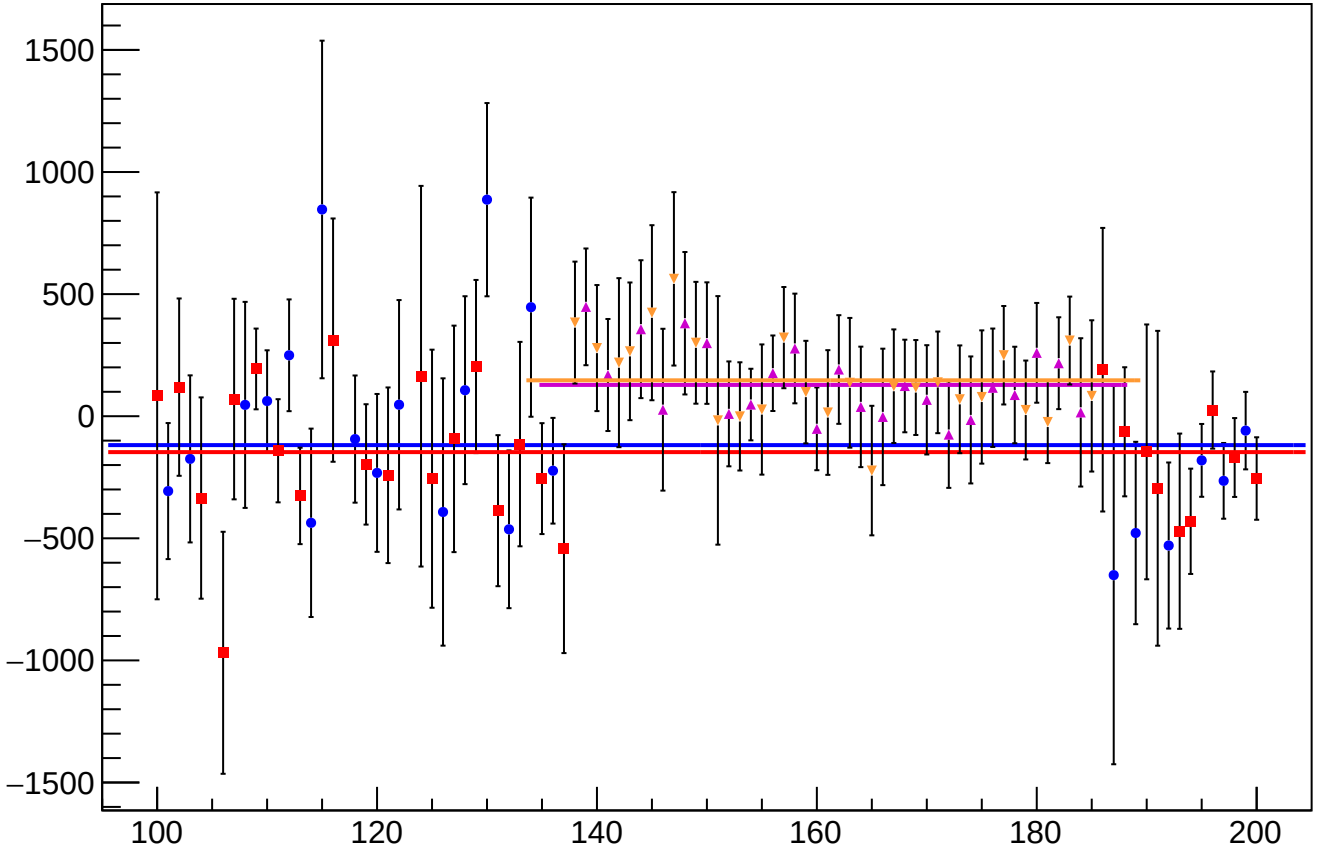
Right: 176.625+/-0.027 χ^2/NDF: 4962948.1/49

In: 179.094+/-0.024 χ^2/NDF:3765535.5/44

Out: 186.932+/-0.024 χ^2/NDF:4863941.8/52

All: 183.028+/-0.017 χ^2/NDF: 8681371.0/97

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -118.351+/-57.354 χ^2/NDF: 21.0/21

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

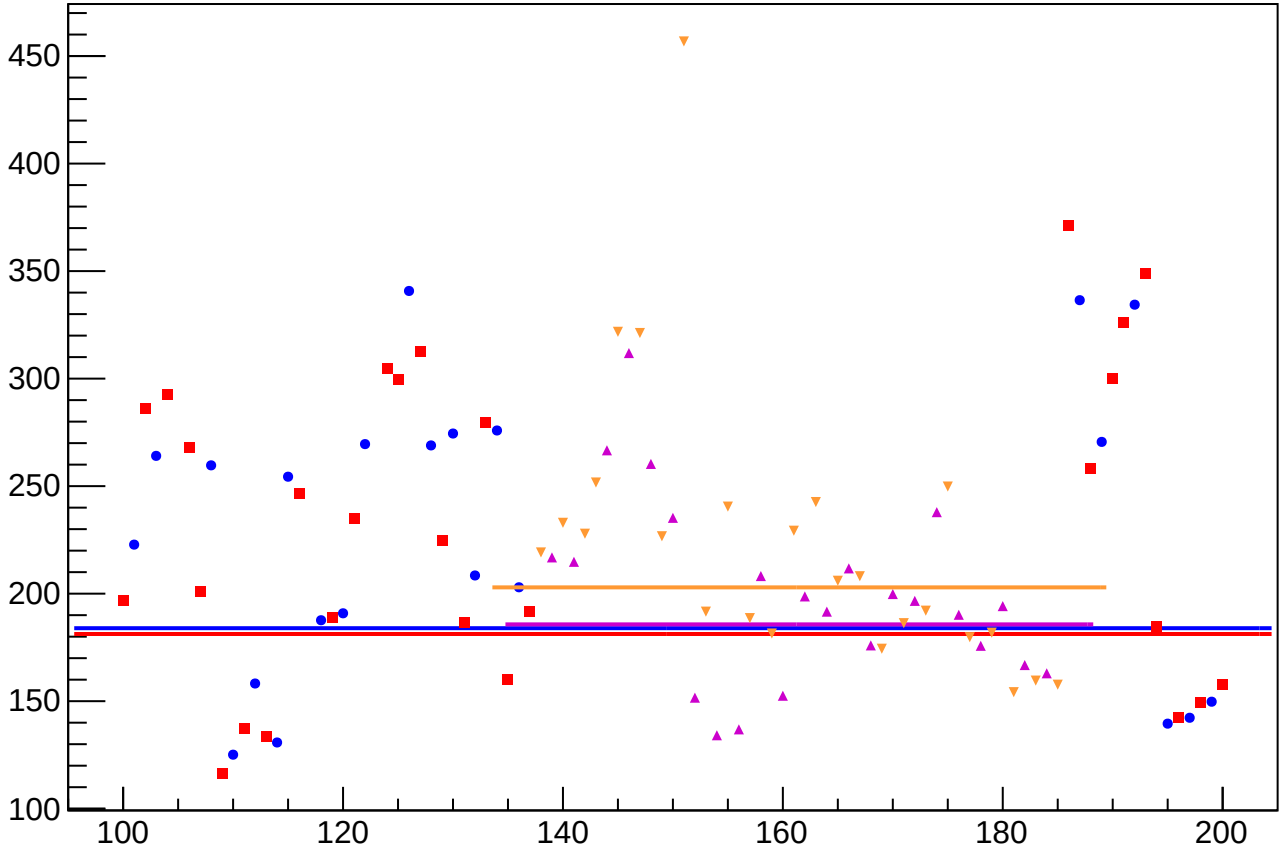
Right: -133.922+/-38.772 χ^2/NDF: 38.3/49

In: 33.715+/-35.501 χ^2/NDF:40.9/44

Out: 14.319+/-35.343 χ^2/NDF:44.6/52

All: 23.974+/-25.047 χ^2/NDF: 85.6/97

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 183.939+/-0.041 χ^2/NDF: 2006797.9/21

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

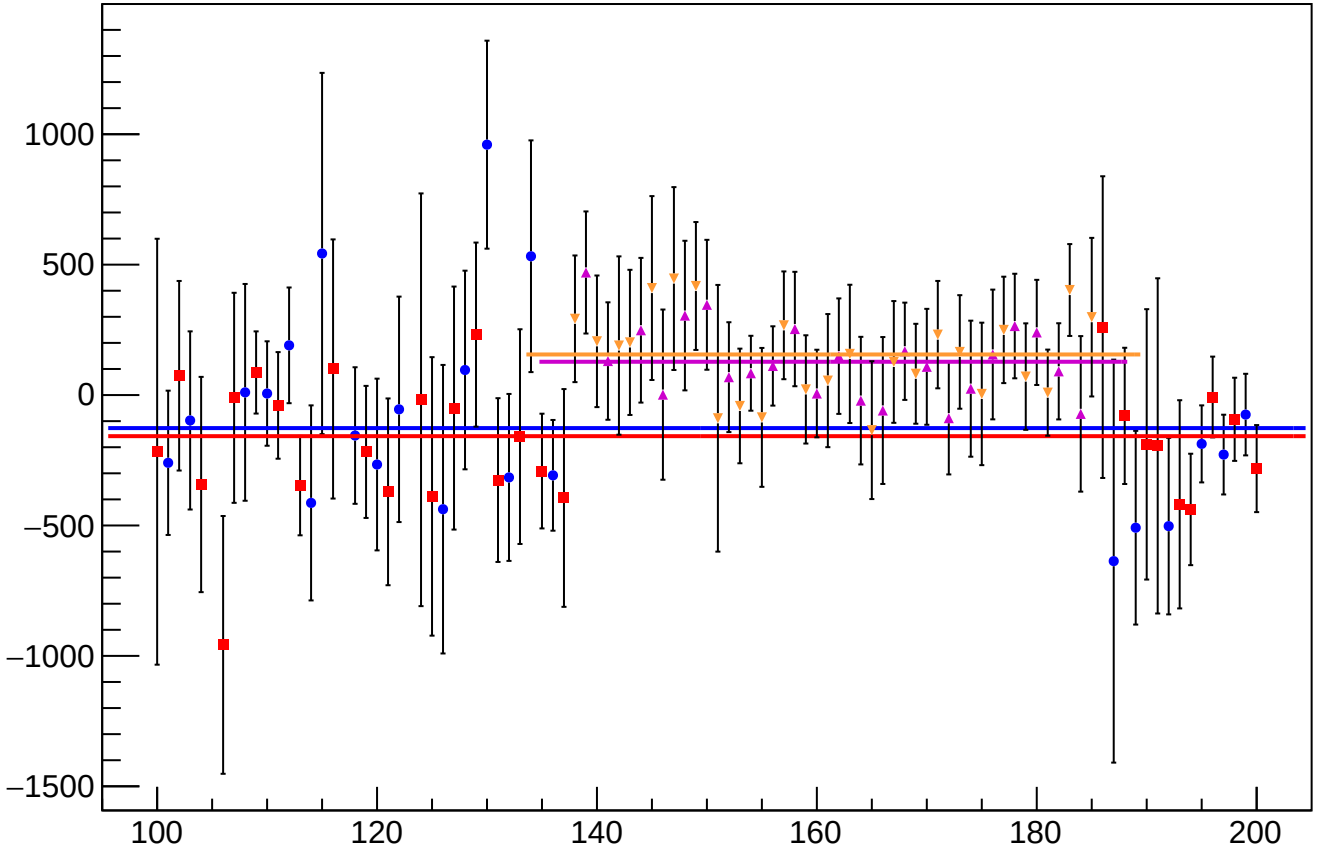
Right: 182.475+/-0.027 χ^2/NDF: 4628269.7/49

In: 185.035+/-0.025 χ^2/NDF:3497469.7/44

Out: 193.139+/-0.025 χ^2/NDF:4505493.6/52

All: 189.105+/-0.018 χ^2/NDF: 8055309.5/97

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -126.634+/-56.633 χ^2/NDF: 19.4/21

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

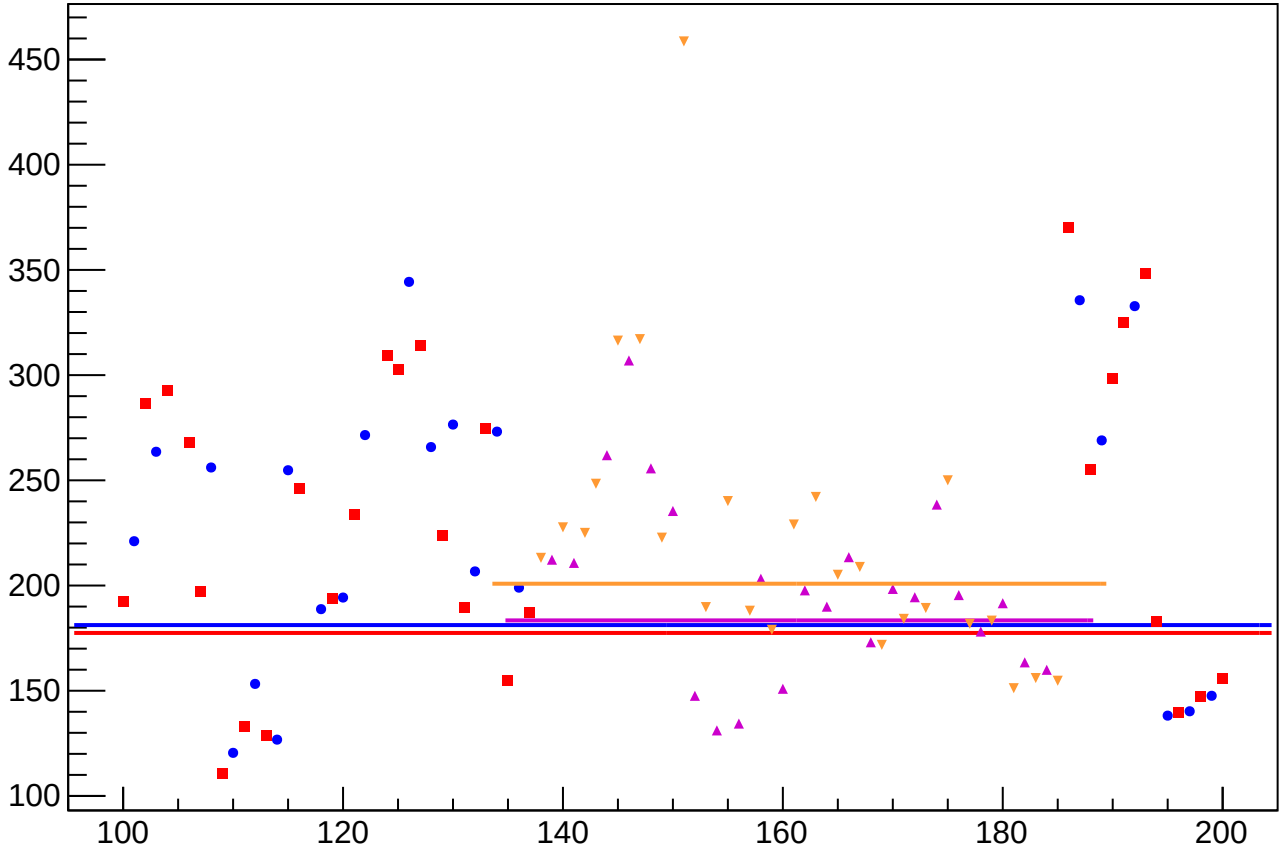
Right: -143.507+/-38.197 χ^2/NDF: 34.2/49

In: 30.055+/-35.086 χ^2/NDF:39.8/44

Out: 13.150+/-34.894 χ^2/NDF:45.3/52

All: 21.556+/-24.742 χ^2/NDF: 85.2/97

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 181.207+/-0.040 χ^2/NDF: 2093672.8/21

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

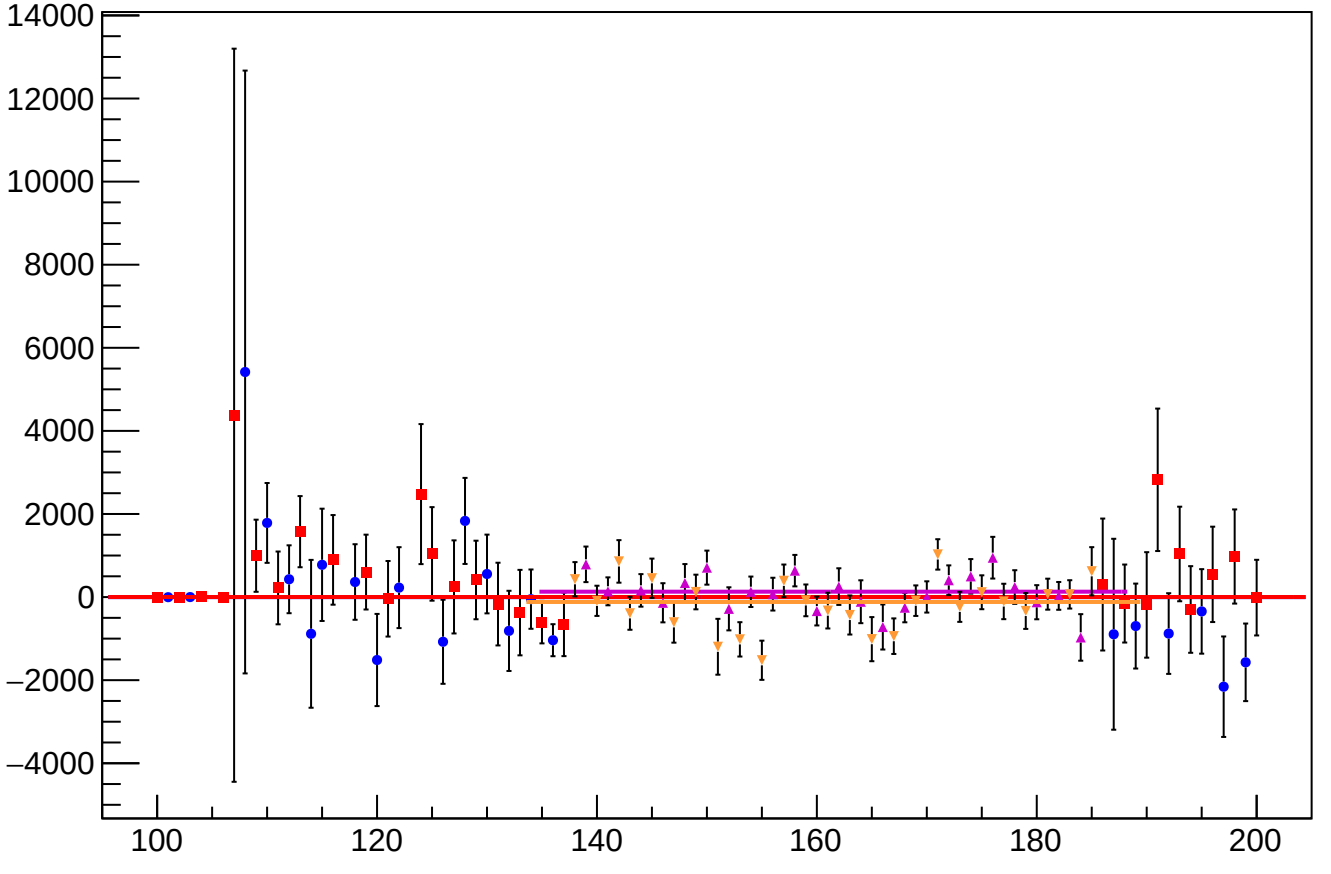
Right: 179.168+/-0.027 χ^2/NDF: 4898519.3/49

In: 182.579+/-0.025 χ^2/NDF:3626255.9/44

Out: 190.220+/-0.025 χ^2/NDF:4750486.4/52

All: 186.421+/-0.017 χ^2/NDF: 8424435.3/97

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.264+/-2.171 χ^2/NDF: 27.5/21

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

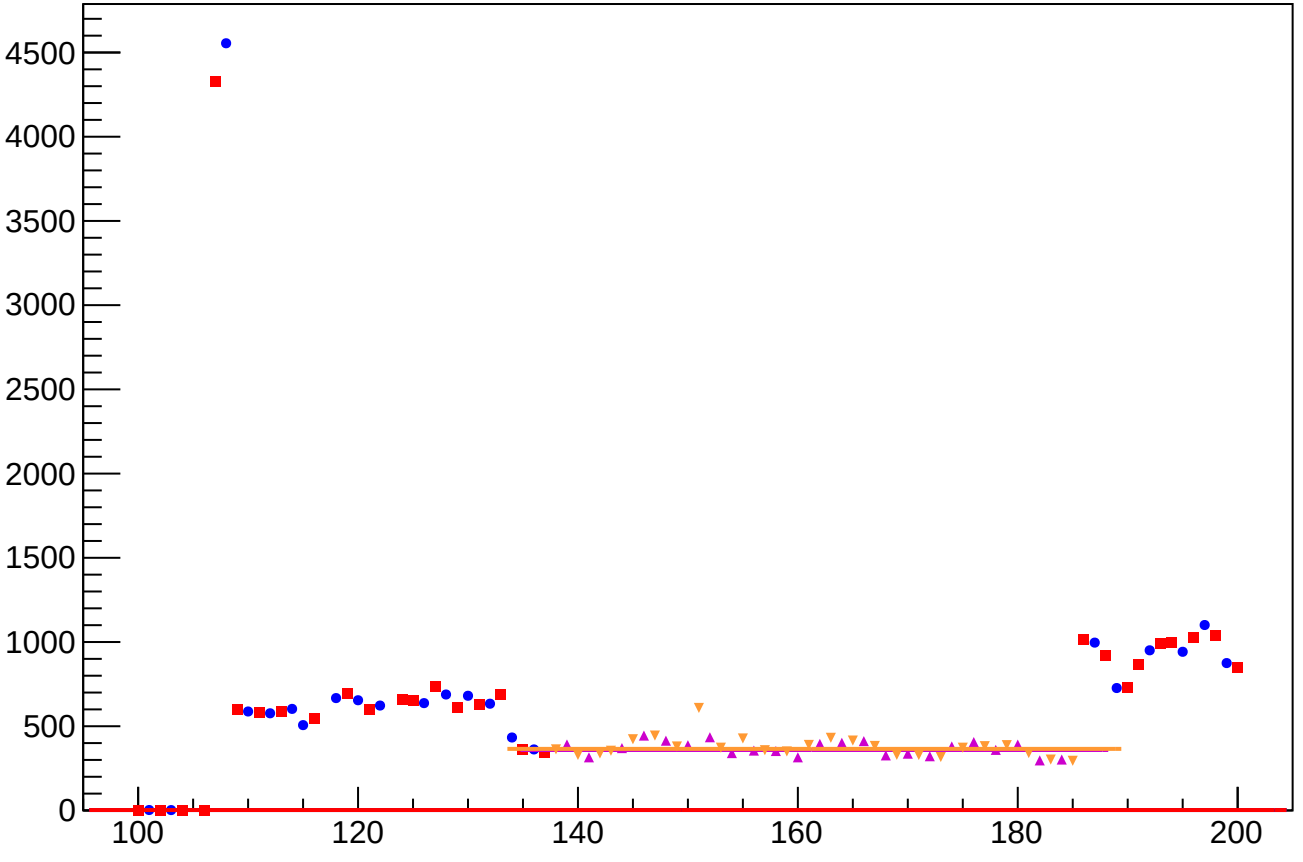
Right: 0.155+/-1.480 χ^2/NDF: 49.8/49

In: -1.179+/-2.170 χ^2/NDF:51.5/44

Out: 1.319+/-2.022 χ^2/NDF:69.9/52

All: 0.158+/-1.479 χ^2/NDF: 122.1/97

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.498+/-0.002 χ^2/NDF: 20016561.2/21

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

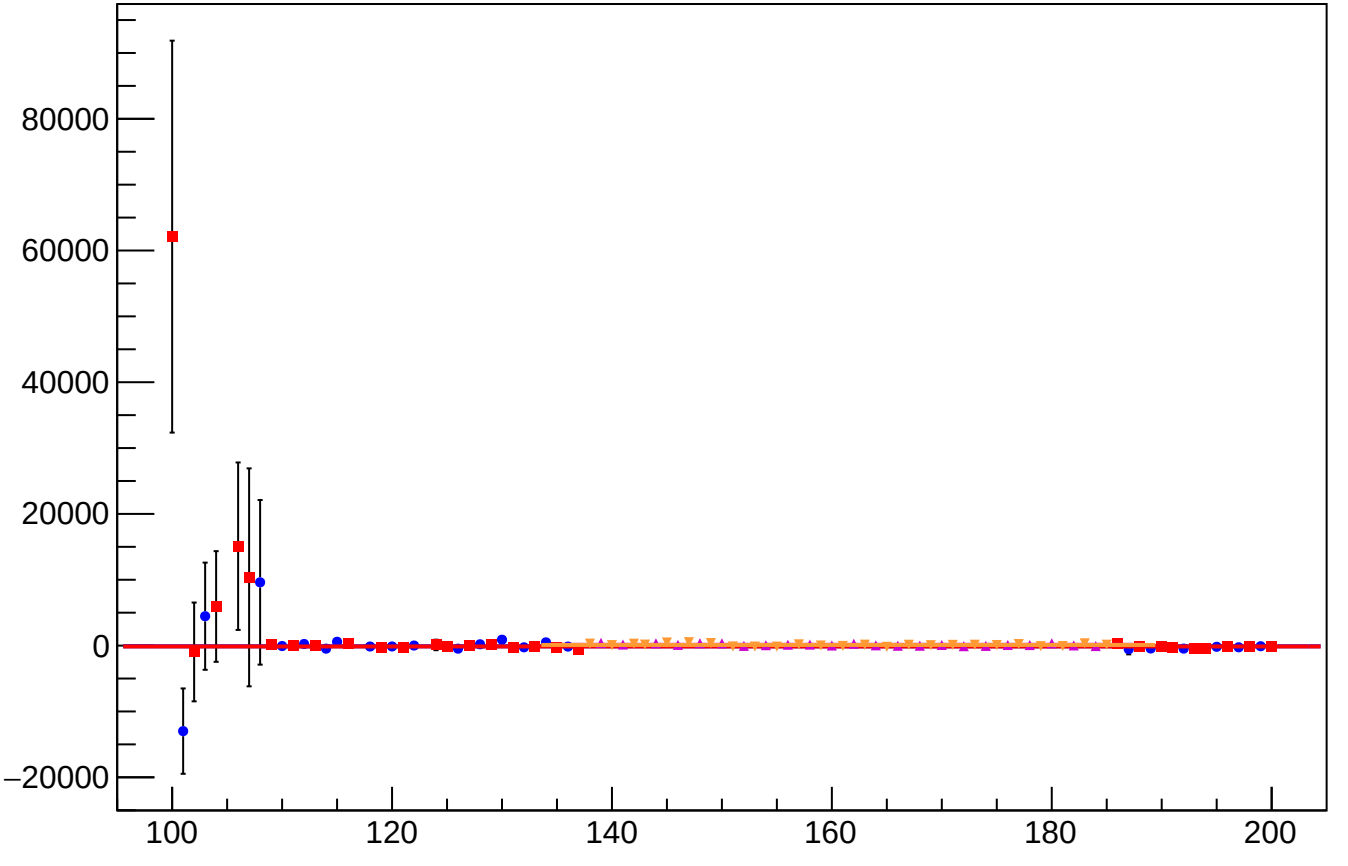
Right: 2.493+/-0.001 χ^2/NDF: 43749314.7/49

In: 2.730+/-0.002 χ^2/NDF:55564571.5/44

Out: 2.698+/-0.001 χ^2/NDF:61568490.6/52

All: 2.713+/-0.001 χ^2/NDF: 117133297.5/97

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -105.412+/-62.640 χ^2/NDF: 21.4/21

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

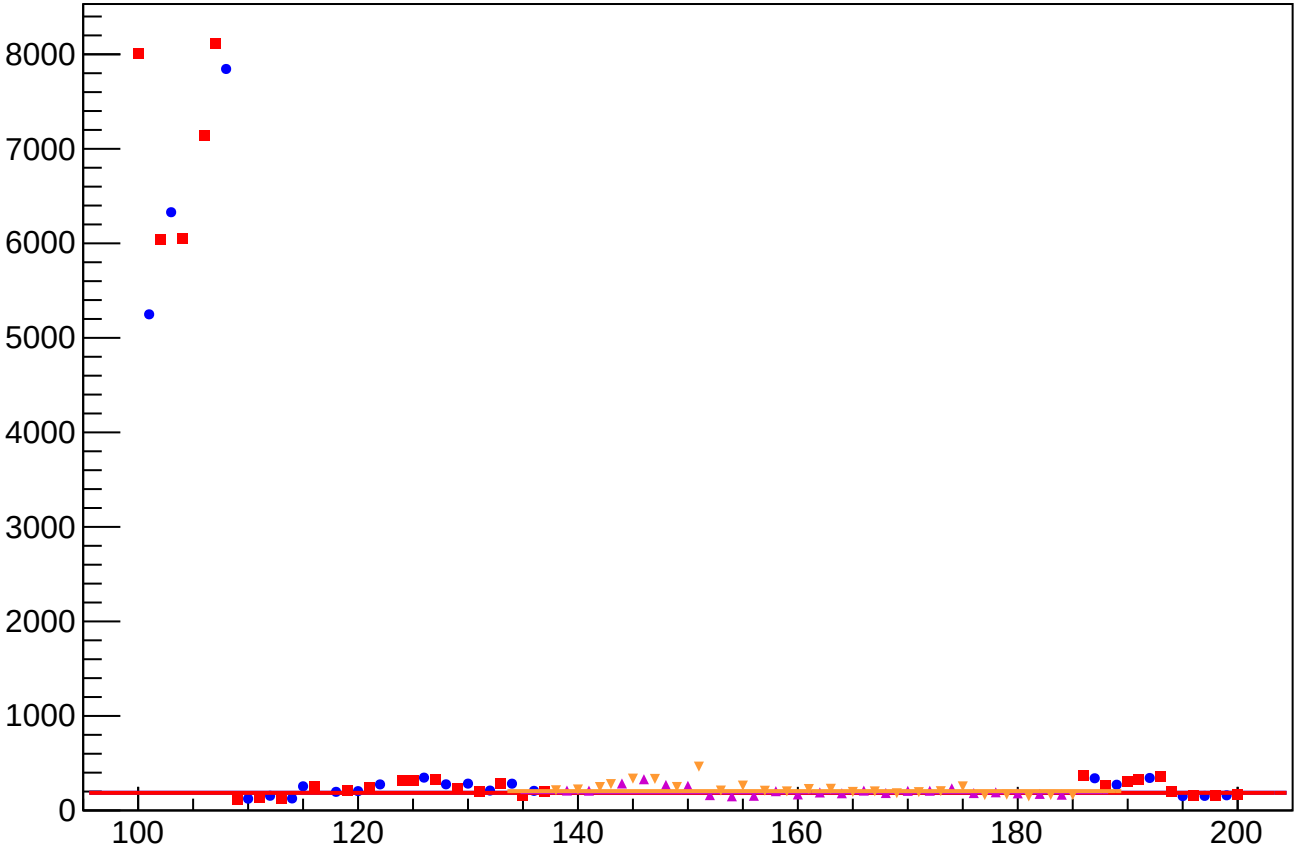
Right: -117.579+/-42.579 χ^2/NDF: 39.7/49

In: 38.483+/-37.572 χ^2/NDF:39.0/44

Out: 6.600+/-37.107 χ^2/NDF:40.0/52

All: 22.343+/-26.401 χ^2/NDF: 79.4/97

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 187.245+/-0.044 χ^2/NDF: 4791191.0/21

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

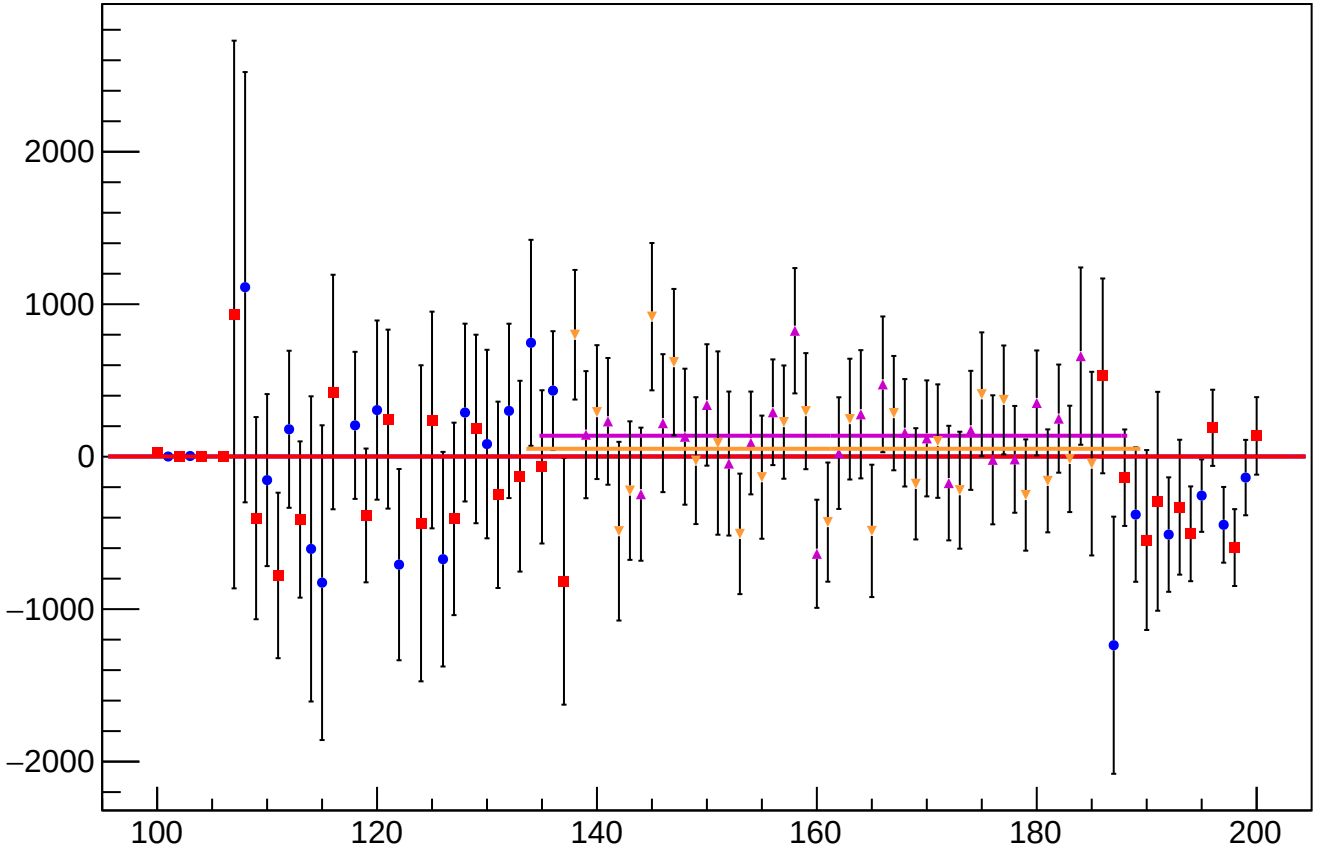
Right: 186.720+/-0.030 χ^2/NDF: 10278992.6/49

In: 191.503+/-0.027 χ^2/NDF:5997214.2/44

Out: 197.100+/-0.026 χ^2/NDF:7580348.9/52

All: 194.336+/-0.019 χ^2/NDF: 13600031.5/97

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.397+/-1.660 χ^2/NDF: 17.4/21

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

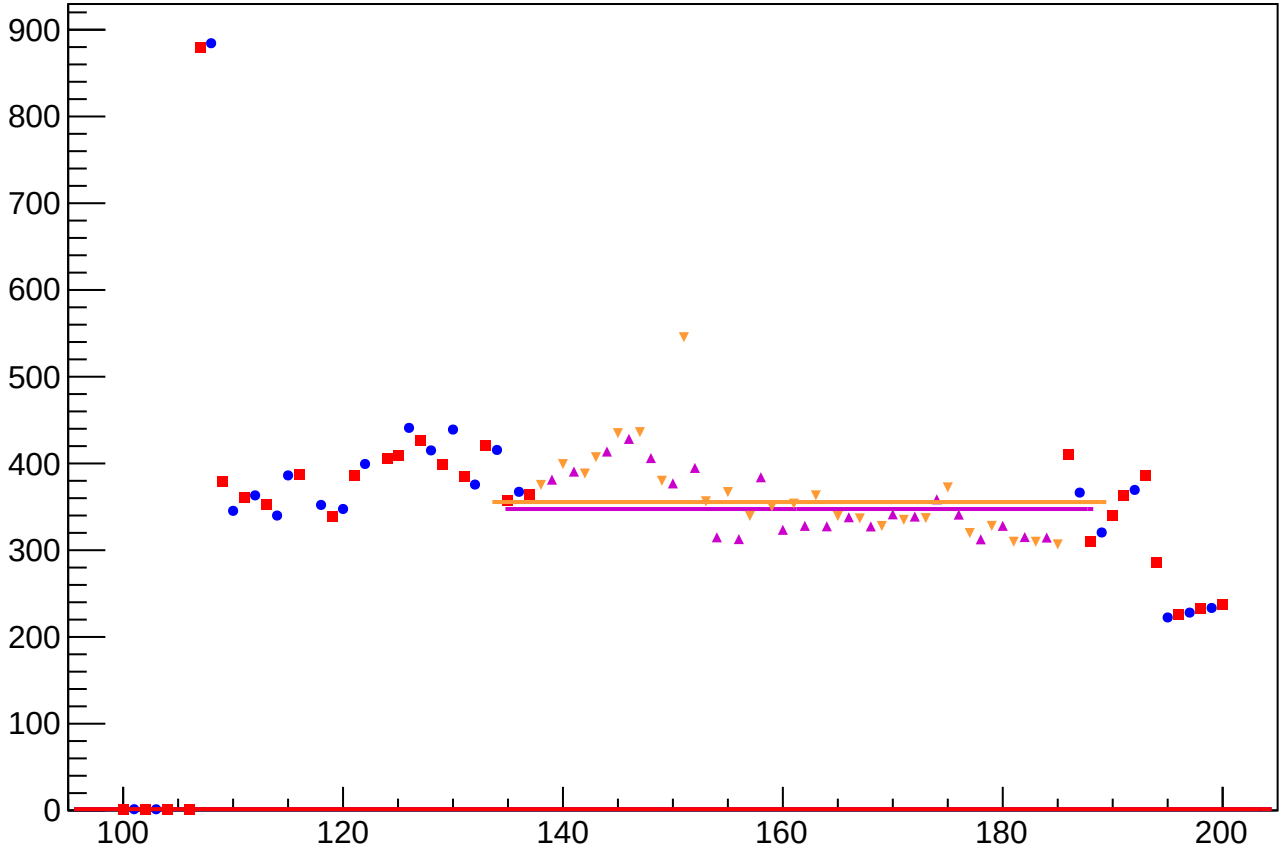
Right: 1.215+/-1.124 χ^2/NDF: 38.2/49

In: 1.452+/-1.660 χ^2/NDF:32.3/44

Out: 1.080+/-1.527 χ^2/NDF:40.6/52

All: 1.251+/-1.124 χ^2/NDF: 72.9/97

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.515+/-0.001 χ^2/NDF: 20233057.2/21

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

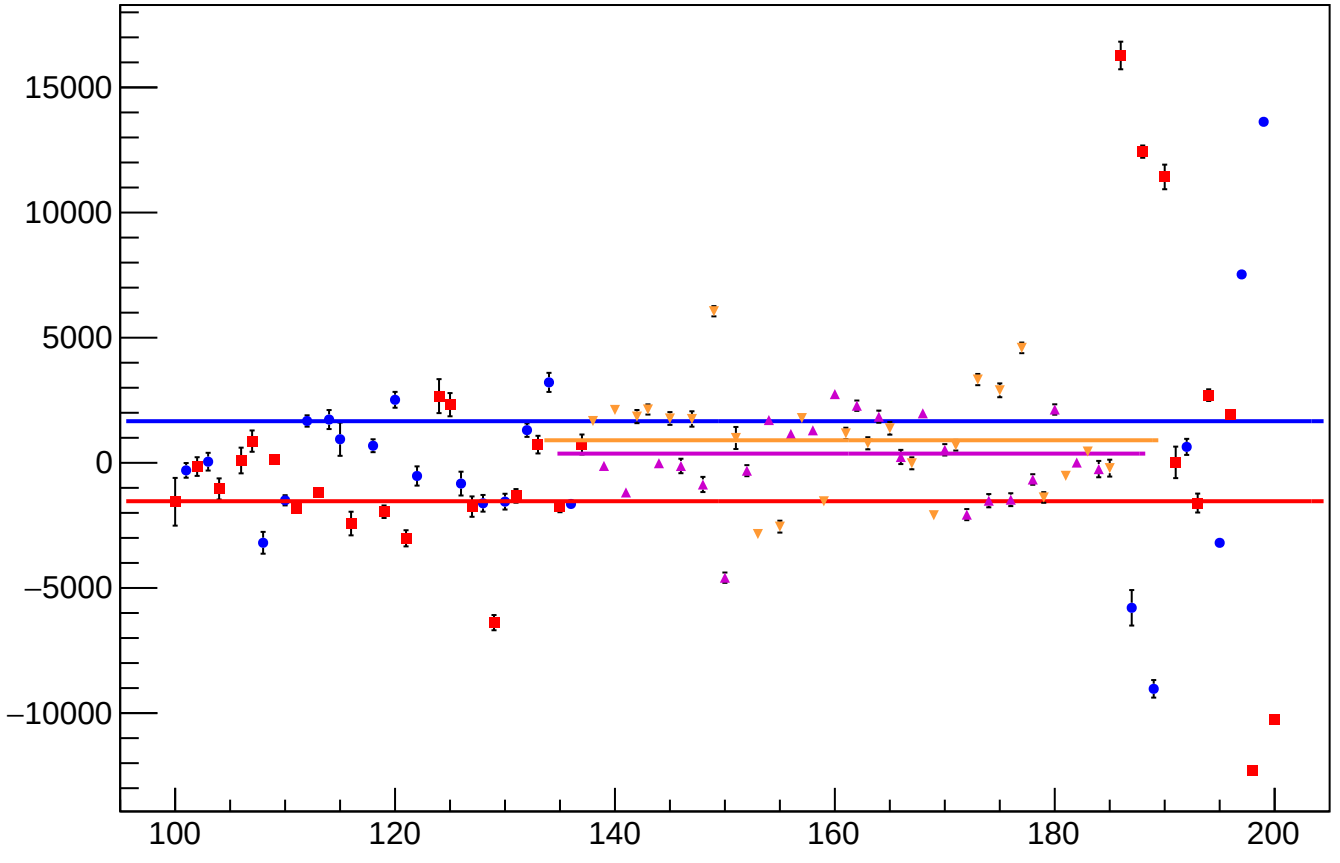
Right: 1.516+/-0.001 χ^2/NDF: 43601547.0/49

In: 1.656+/-0.001 χ^2/NDF:56069202.4/44

Out: 1.642+/-0.001 χ^2/NDF:61570076.4/52

All: 1.648+/-0.001 χ^2/NDF: 117639360.4/97

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 1663.750+/-58.110 χ^2/NDF: 8590.6/21

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

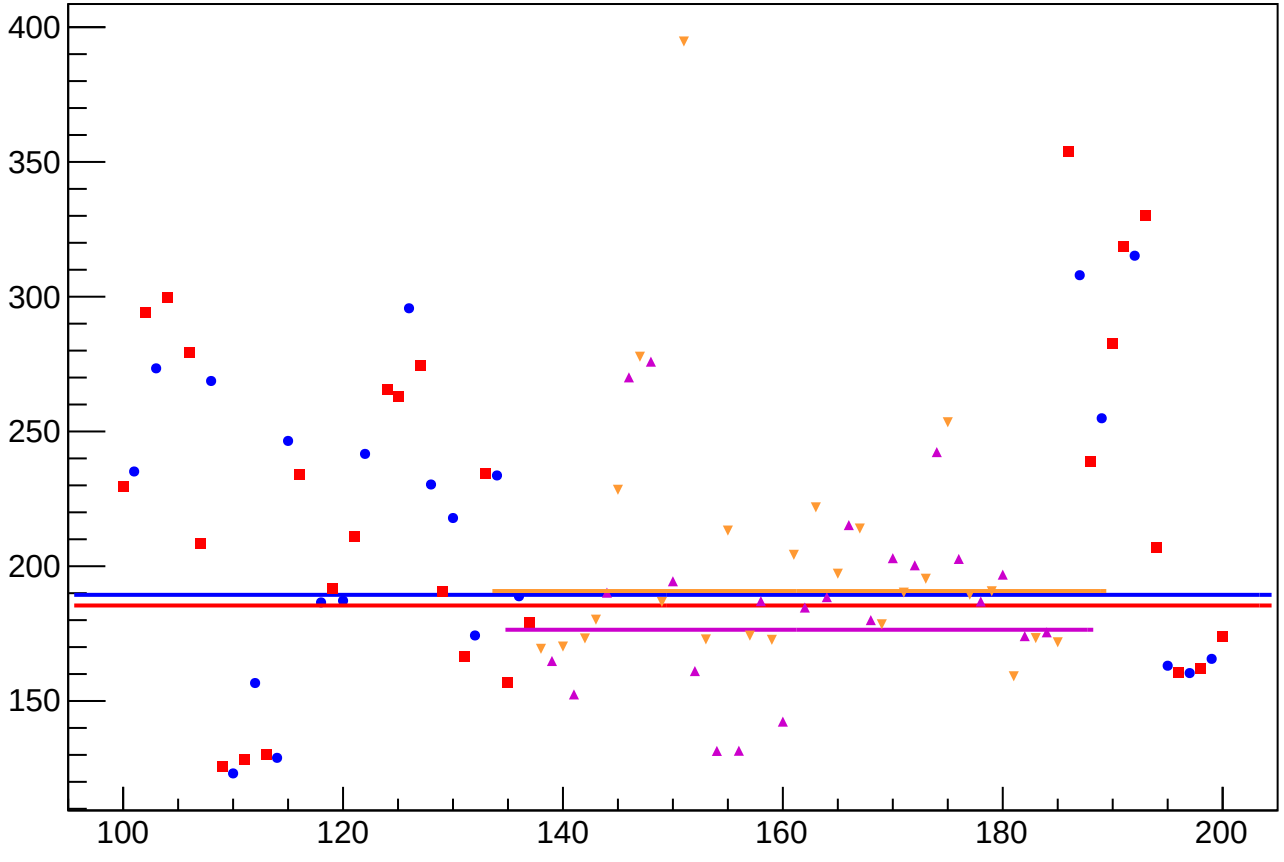
Right: -79.087+/-39.195 χ^2/NDF: 22508.1/49

In: 822.487+/-34.409 χ^2/NDF:10506.3/44

Out: -102.962+/-34.095 χ^2/NDF:15914.4/52

All: 355.526+/-24.219 χ^2/NDF: 26785.7/97

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 189.384+/-0.041 χ^2/NDF: 1333838.8/21

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

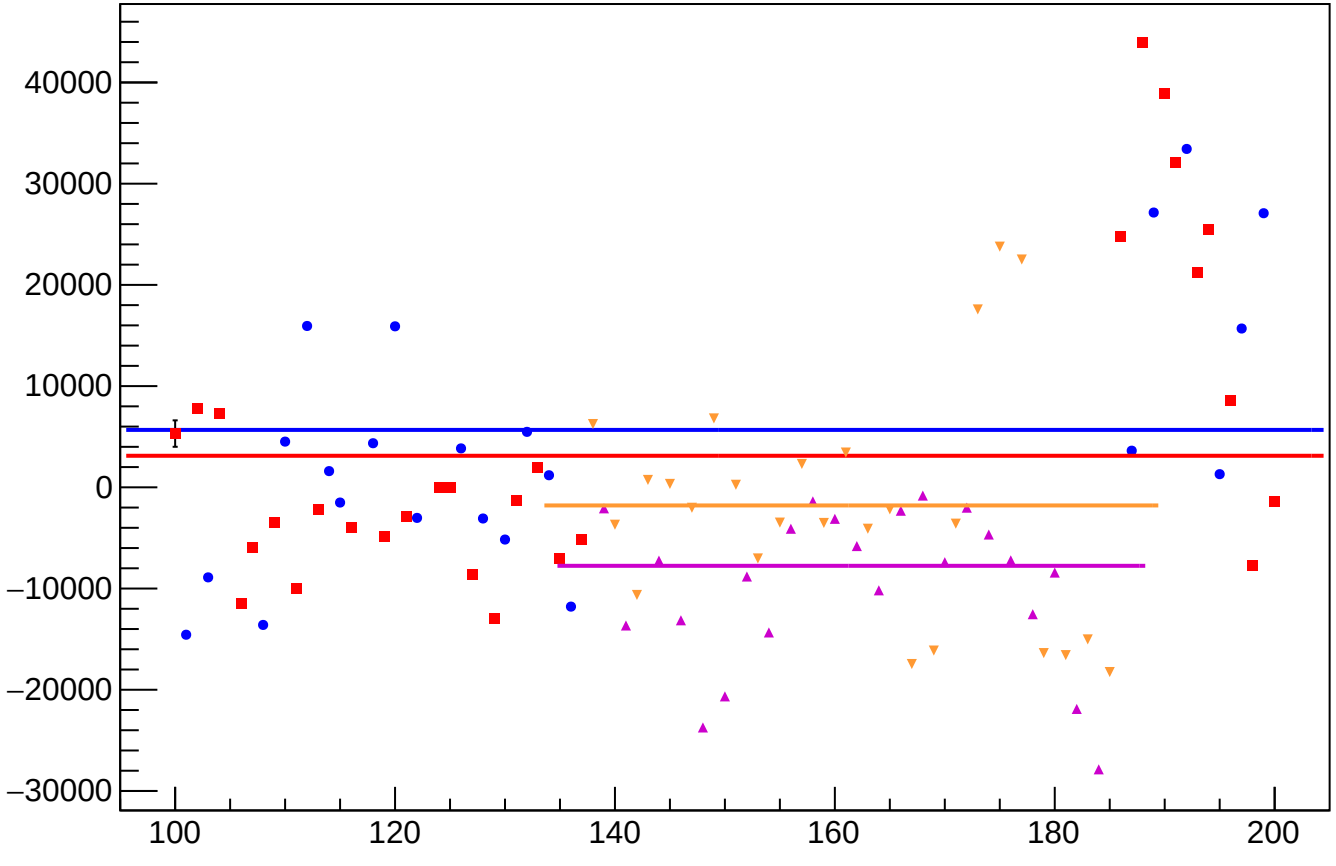
Right: 187.229+/-0.028 χ^2/NDF: 3434420.3/49

In: 180.973+/-0.024 χ^2/NDF:2656023.4/44

Out: 188.586+/-0.024 χ^2/NDF:3127158.6/52

All: 184.814+/-0.017 χ^2/NDF: 5832587.9/97

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

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

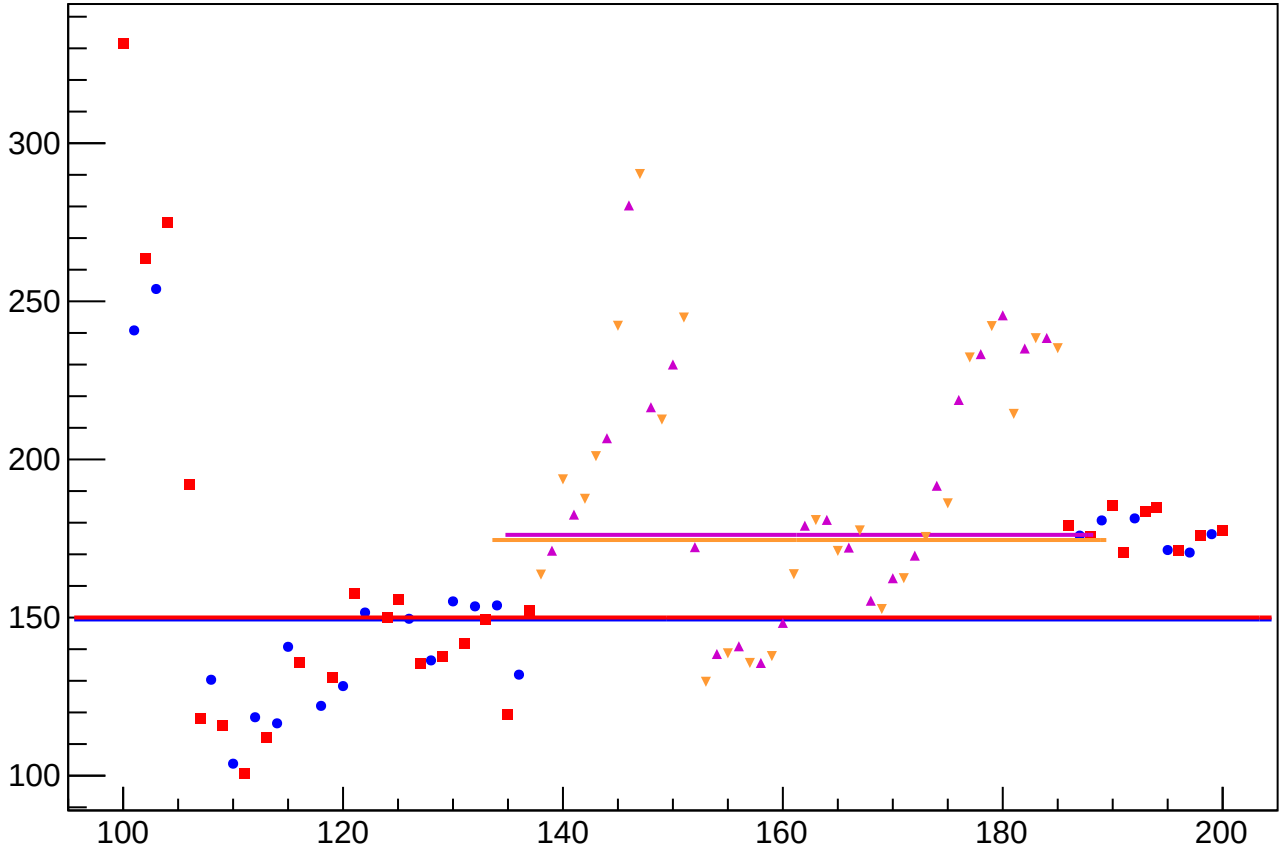
Right: 4292.161+/-30.974 χ^2/NDF: 222837.1/49

In: -1513.670+/-31.144 χ^2/NDF:157677.4/44

Out: 590.931+/-29.353 χ^2/NDF:205713.5/52

All: -399.094+/-21.361 χ^2/NDF: 365809.3/97

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

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

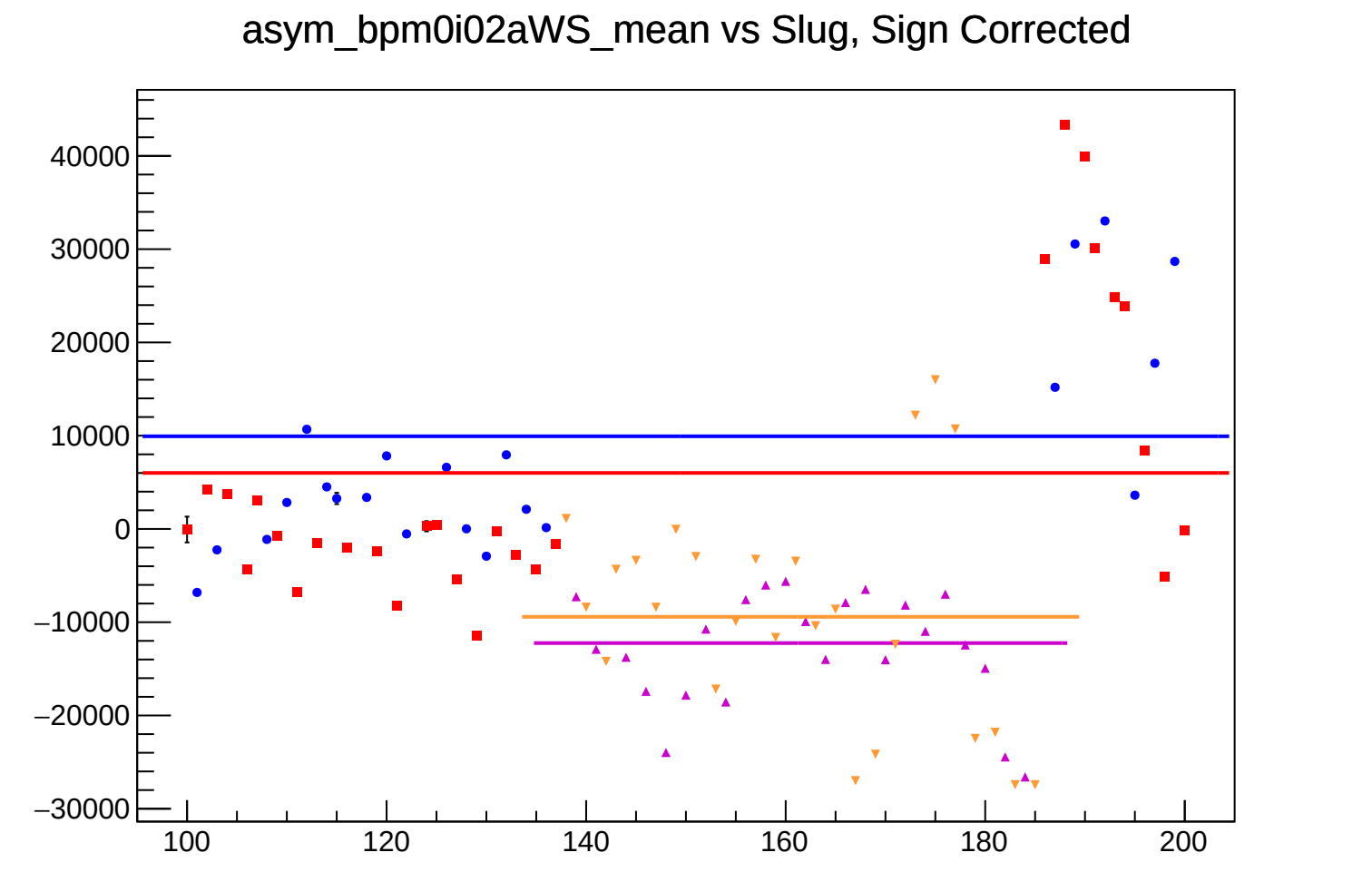
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 149.736+/-0.022 χ^2/NDF: 2296526.0/49

In: 163.718+/-0.022 χ^2/NDF:2665922.6/44

Out: 162.635+/-0.021 χ^2/NDF:3372096.8/52

All: 163.144+/-0.015 χ^2/NDF: 6039302.0/97



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

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

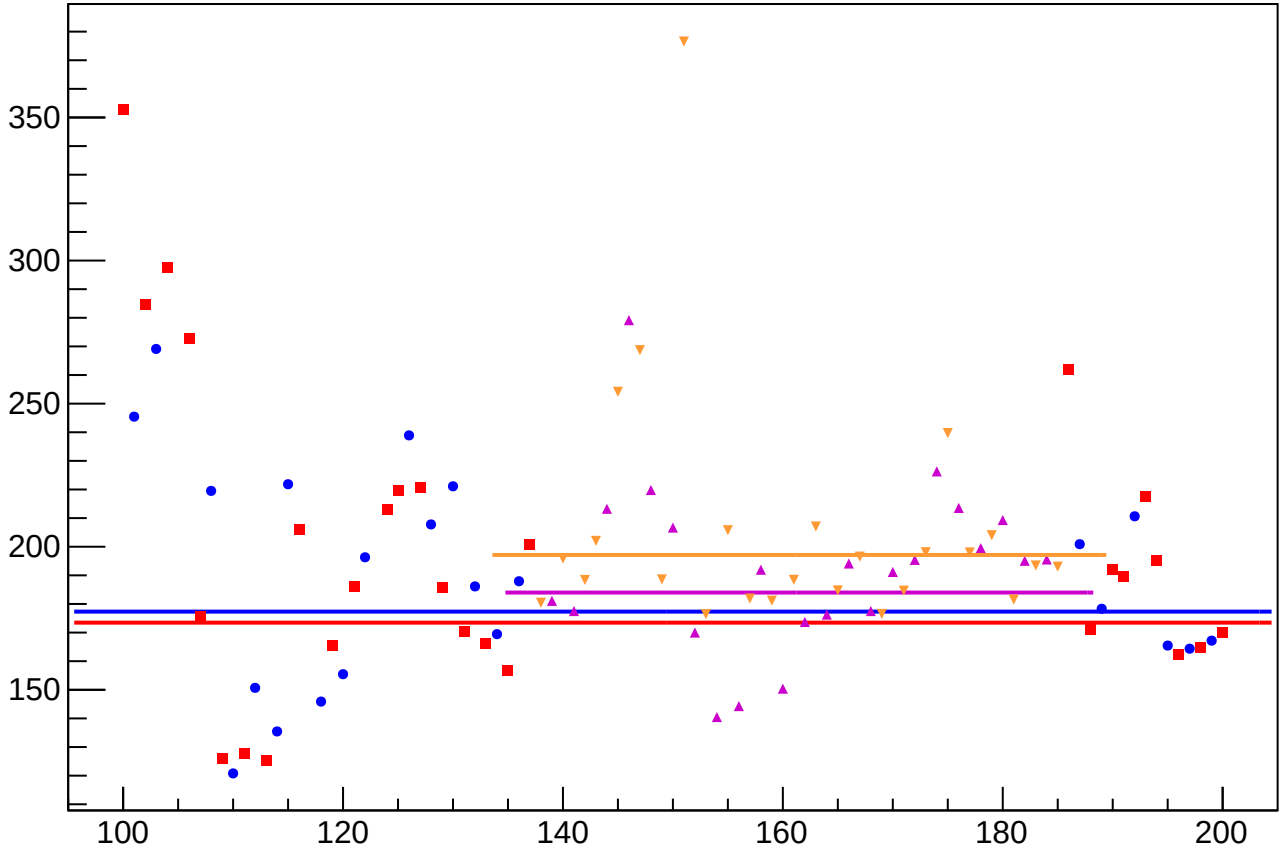
Right: 7771.695+/-36.006 χ^2/NDF: 154410.7/49

In: -3289.841+/-34.132 χ^2/NDF:165706.0/44

Out: -2166.743+/-33.263 χ^2/NDF:221675.8/52

All: -2713.810+/-23.822 χ^2/NDF: 387937.1/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

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

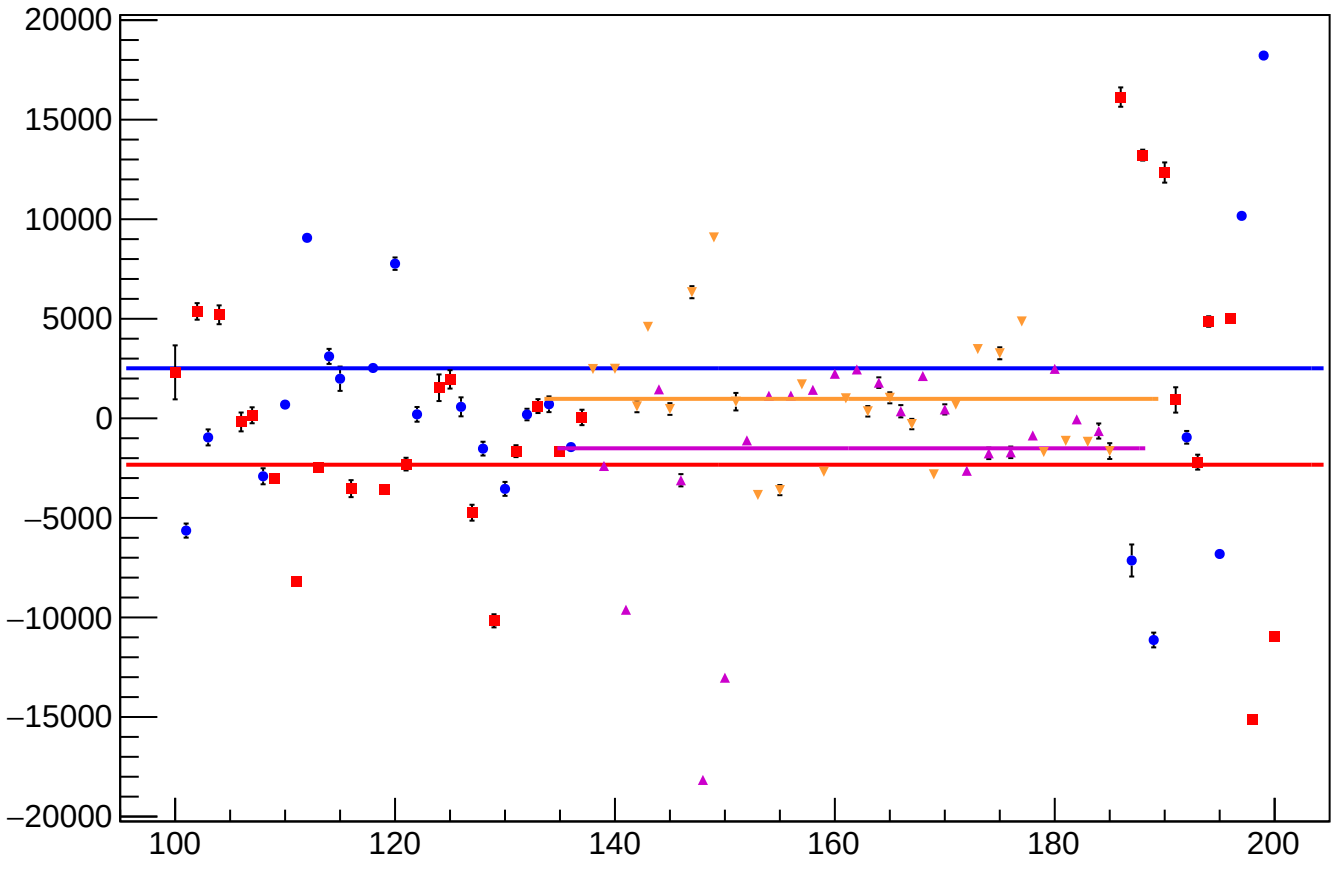
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 175.202+/-0.025 χ^2/NDF: 1953675.9/49

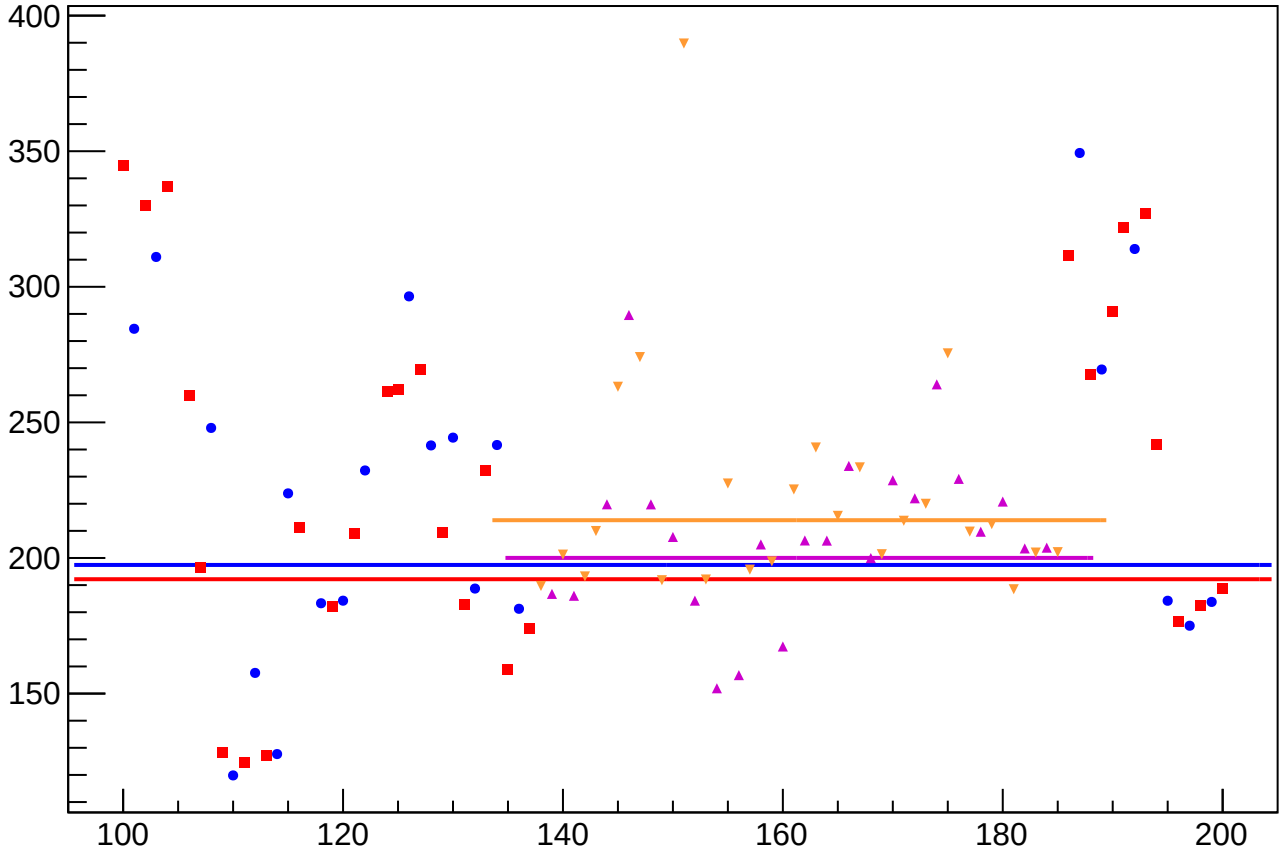
In: 181.296+/-0.024 χ^2/NDF:1602874.3/44

Out: 186.003+/-0.024 χ^2/NDF:2177640.9/52

All: 183.710+/-0.017 χ^2/NDF: 3800024.7/97


asym_bpm0i05WS_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 2513.668+/-60.682 χ²/NDF: 14941.9/21
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -2329.786+/-54.964 χ²/NDF: 16208.1/27
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -146.956+/-40.737 χ²/NDF: 34649.6/49
In: 43.655+/-37.671 χ²/NDF:29118.2/44
Out: -506.645+/-36.826 χ²/NDF:22527.5/52
All: -237.734+/-26.333 χ²/NDF: 51754.8/97

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

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

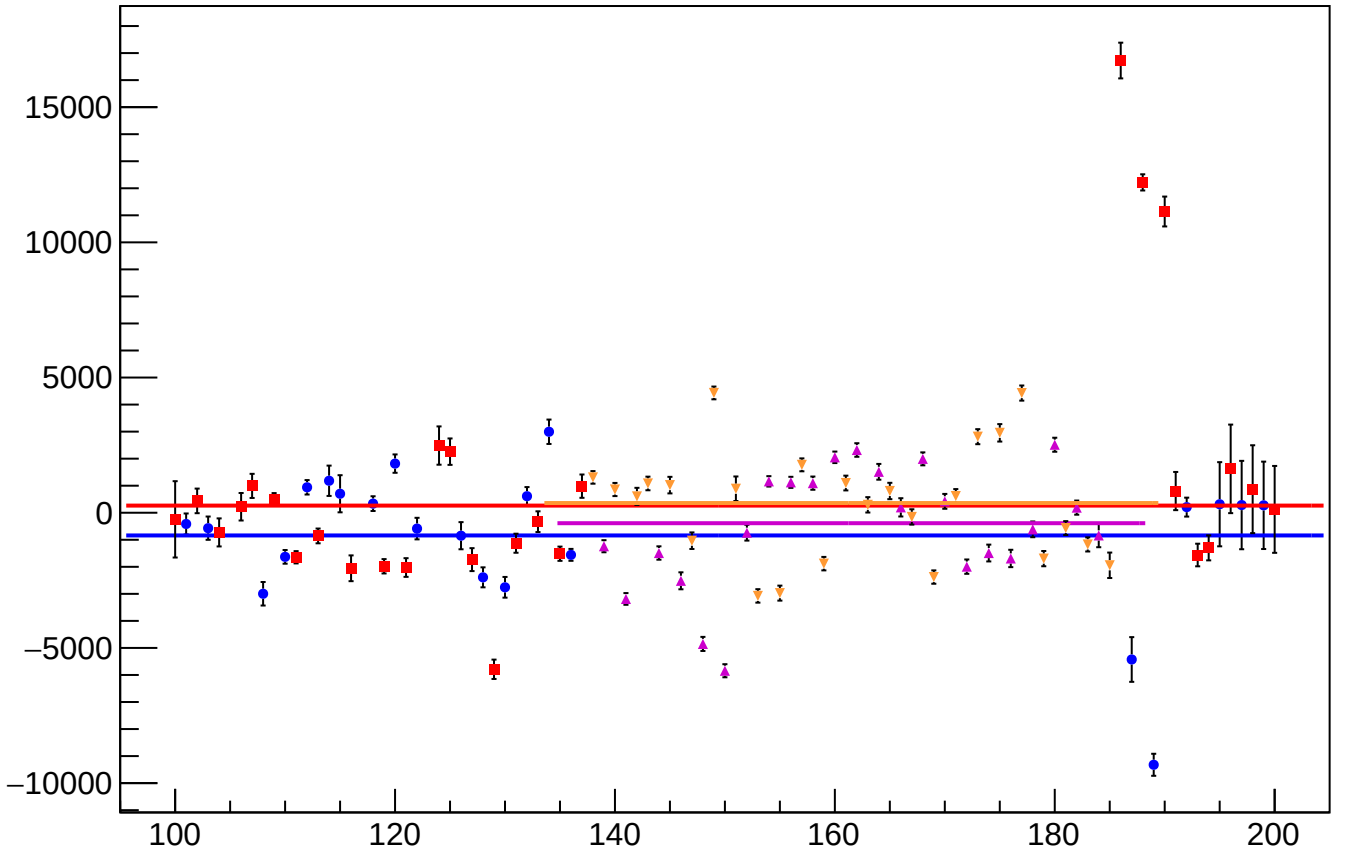
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.543+/-0.029 χ^2/NDF: 3671277.0/49

In: 199.030+/-0.027 χ^2/NDF:2217158.0/44

Out: 204.163+/-0.026 χ^2/NDF:3140011.2/52

All: 201.655+/-0.019 χ^2/NDF: 5376159.4/97



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

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

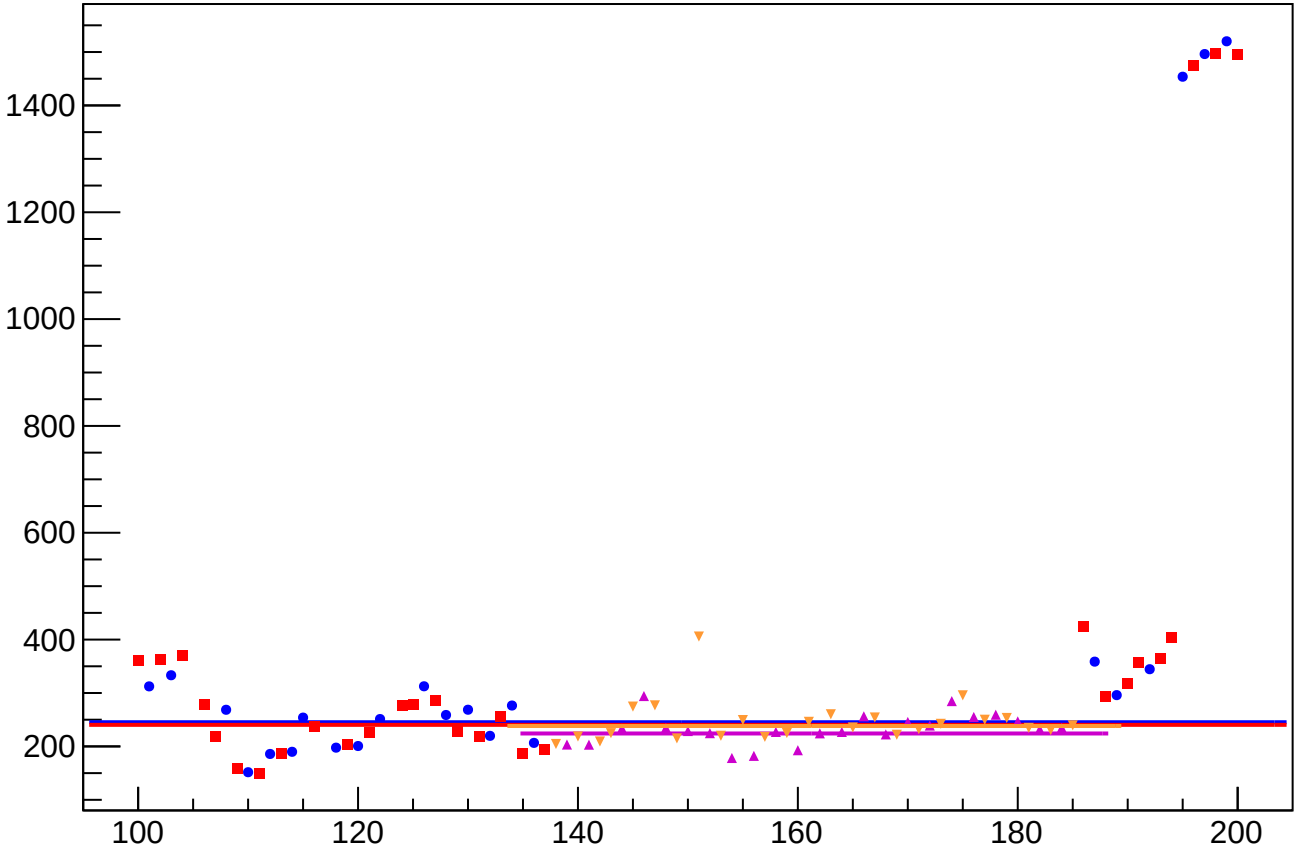
Right: -233.151+/-54.818 χ^2/NDF: 4167.1/49

In: -523.035+/-44.770 χ^2/NDF:2623.4/44

Out: 325.033+/-44.127 χ^2/NDF:4688.8/52

All: -92.866+/-31.428 χ^2/NDF: 7494.3/97

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

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

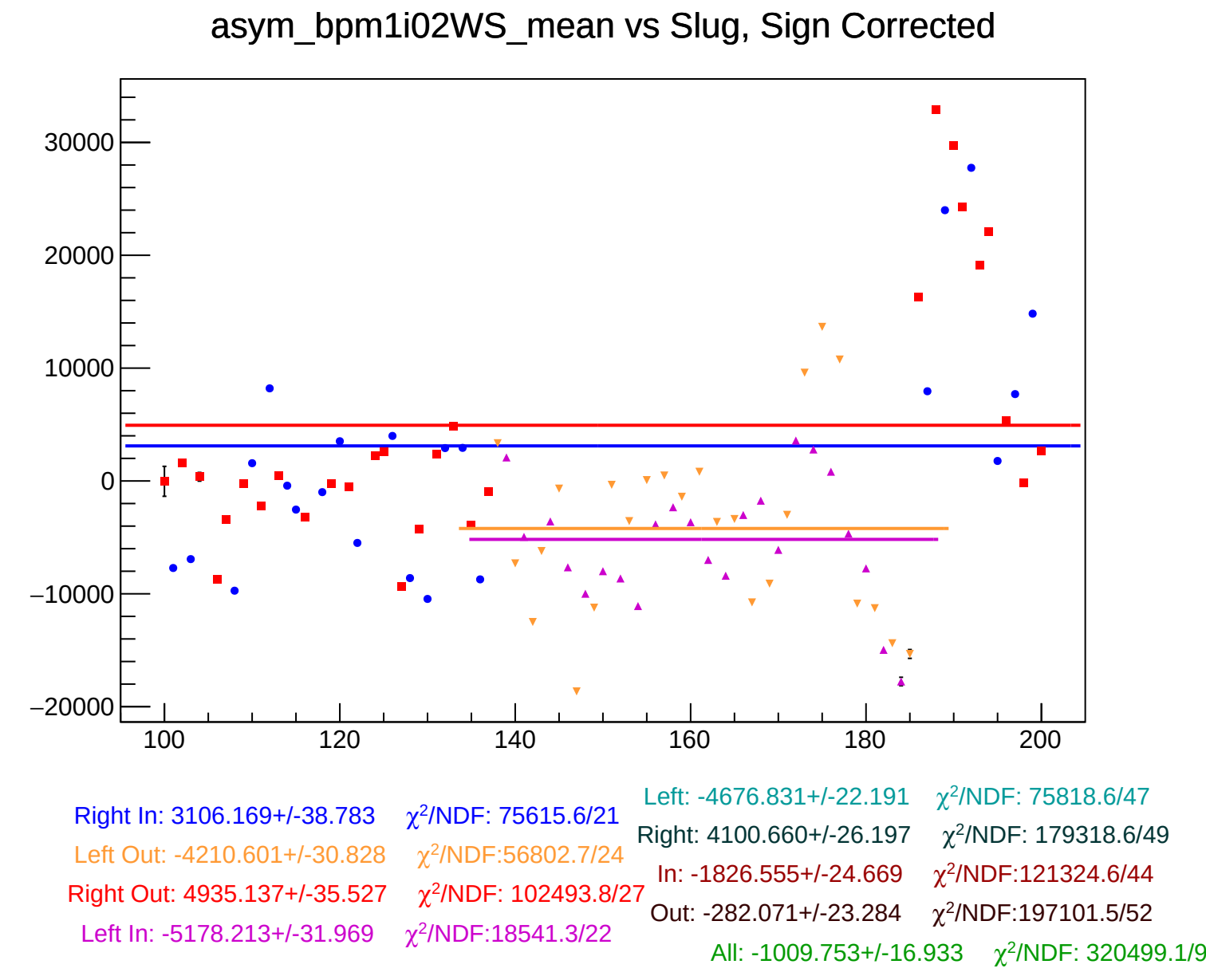
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 242.576+/-0.039 χ^2/NDF: 10098344.6/49

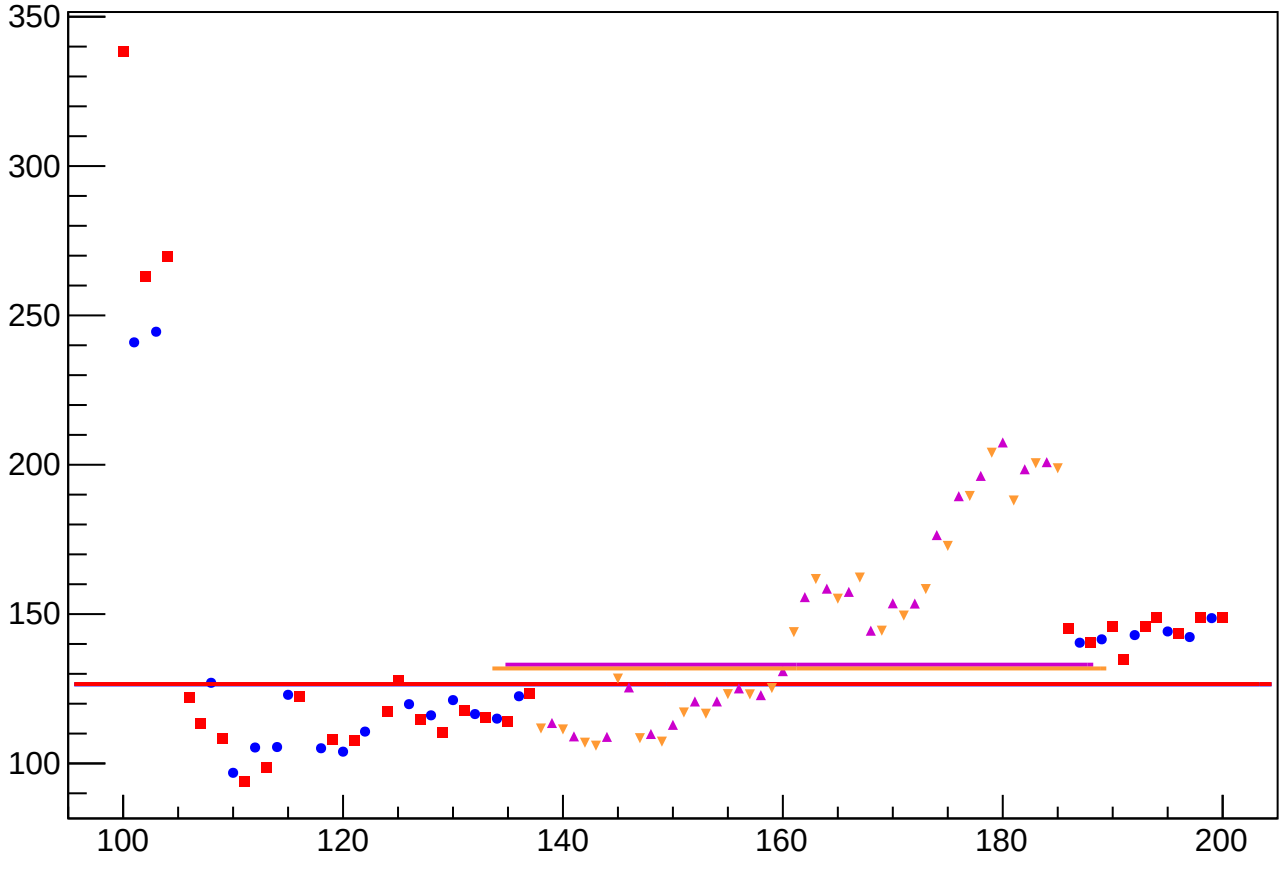
In: 230.534+/-0.032 χ^2/NDF:5273923.5/44

Out: 238.977+/-0.031 χ^2/NDF:6045646.4/52

All: 234.816+/-0.022 χ^2/NDF: 11355650.0/97


asym_bpm1i02WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 3106.169+/-38.783 χ²/NDF: 75615.6/21
Left Out: -4210.601+/-30.828 χ²/NDF:56802.7/24
Right Out: 4935.137+/-35.527 χ²/NDF: 102493.8/27
Left In: -5178.213+/-31.969 χ²/NDF:18541.3/22
Left: -4676.831+/-22.191 χ²/NDF: 75818.6/47
Right: 4100.660+/-26.197 χ²/NDF: 179318.6/49
In: -1826.555+/-24.669 χ²/NDF:121324.6/44
Out: -282.071+/-23.284 χ²/NDF:197101.5/52
All: -1009.753+/-16.933 χ²/NDF: 320499.1/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

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

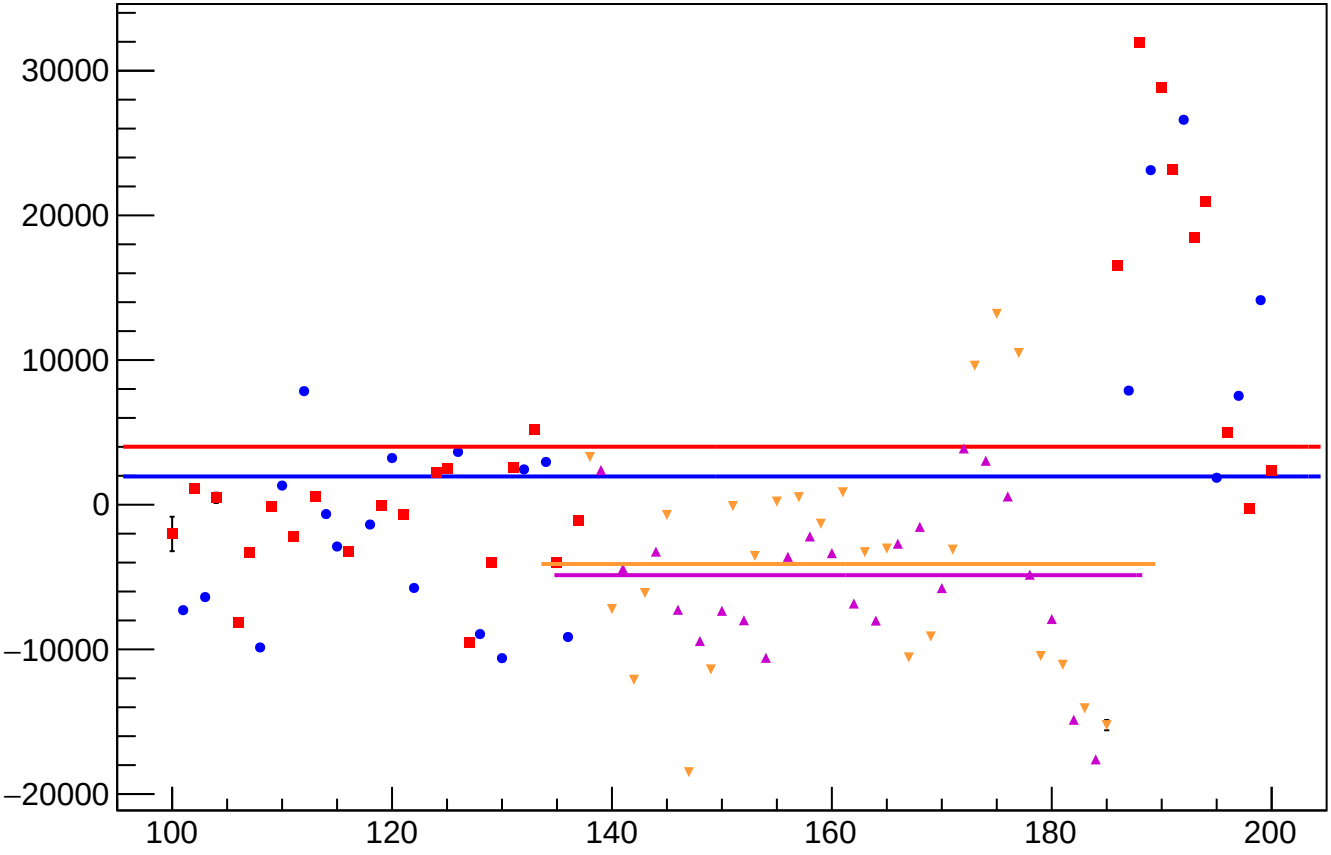
Right: 126.528+/-0.019 χ^2/NDF: 2114822.4/49

In: 130.392+/-0.017 χ^2/NDF:2371872.3/44

Out: 129.557+/-0.016 χ^2/NDF:2764593.1/52

All: 129.950+/-0.012 χ^2/NDF: 5137675.9/97

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 1953.094+/-35.025 χ^2/NDF: 82312.5/21

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

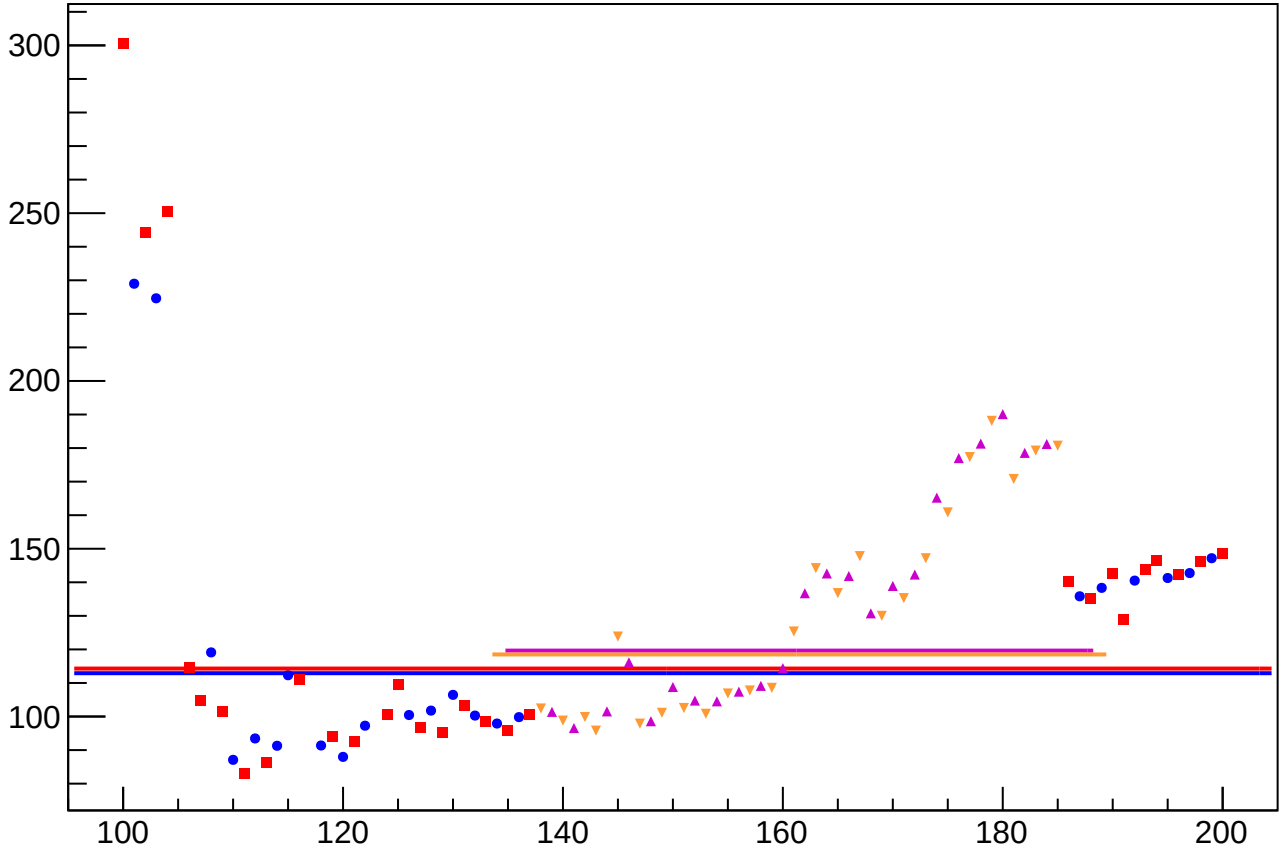
Right: 3060.078+/-23.801 χ^2/NDF: 192167.8/49

In: -2116.509+/-22.249 χ^2/NDF:126859.8/44

Out: -669.691+/-21.097 χ^2/NDF:210324.2/52

All: -1354.663+/-15.309 χ^2/NDF: 339410.6/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 112.911+/-0.025 χ^2/NDF: 1312499.3/21

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

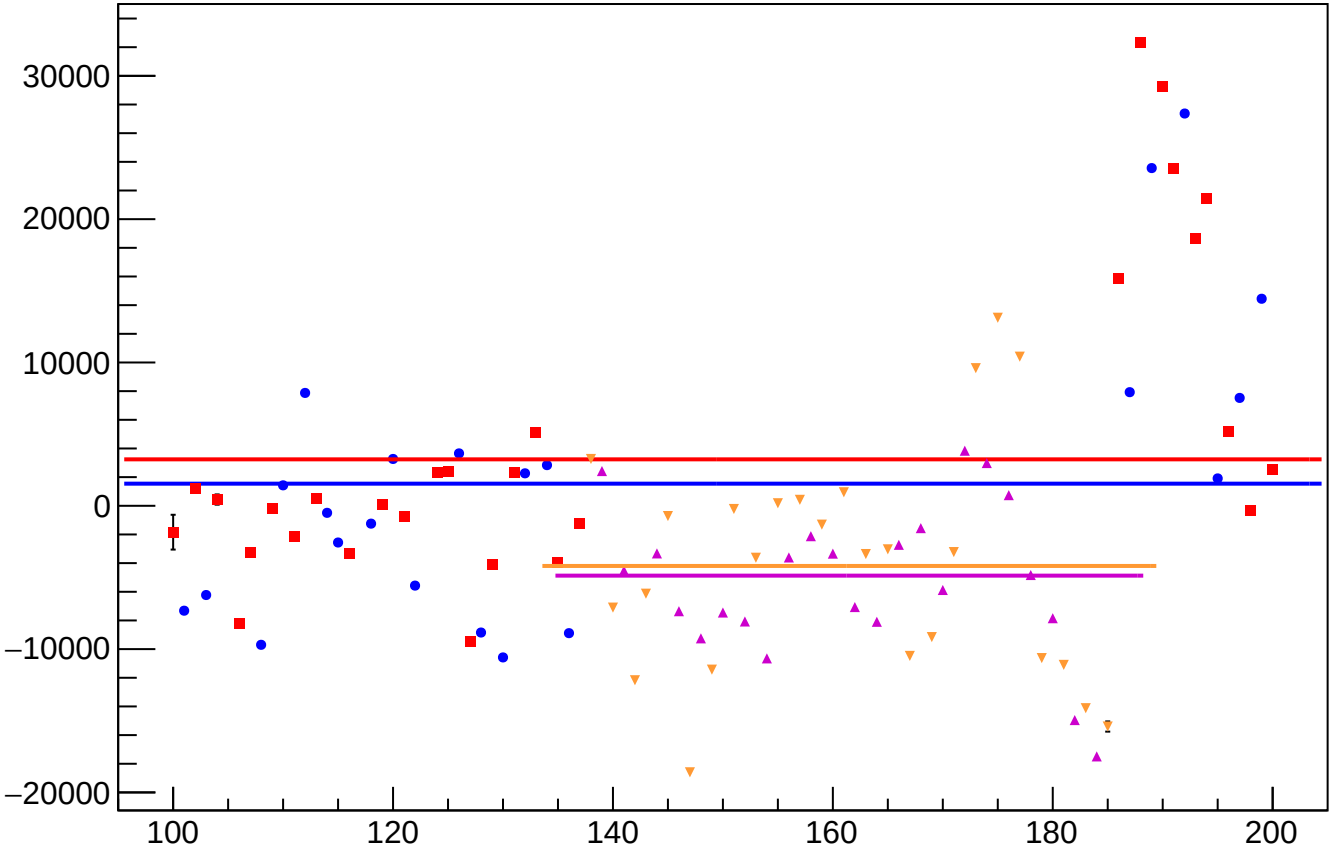
Right: 113.656+/-0.017 χ^2/NDF: 2968347.2/49

In: 116.927+/-0.016 χ^2/NDF:2868976.8/44

Out: 116.722+/-0.015 χ^2/NDF:3300717.6/52

All: 116.819+/-0.011 χ^2/NDF: 6169783.8/97

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1544.374+/-34.196 χ^2/NDF: 81104.7/21

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

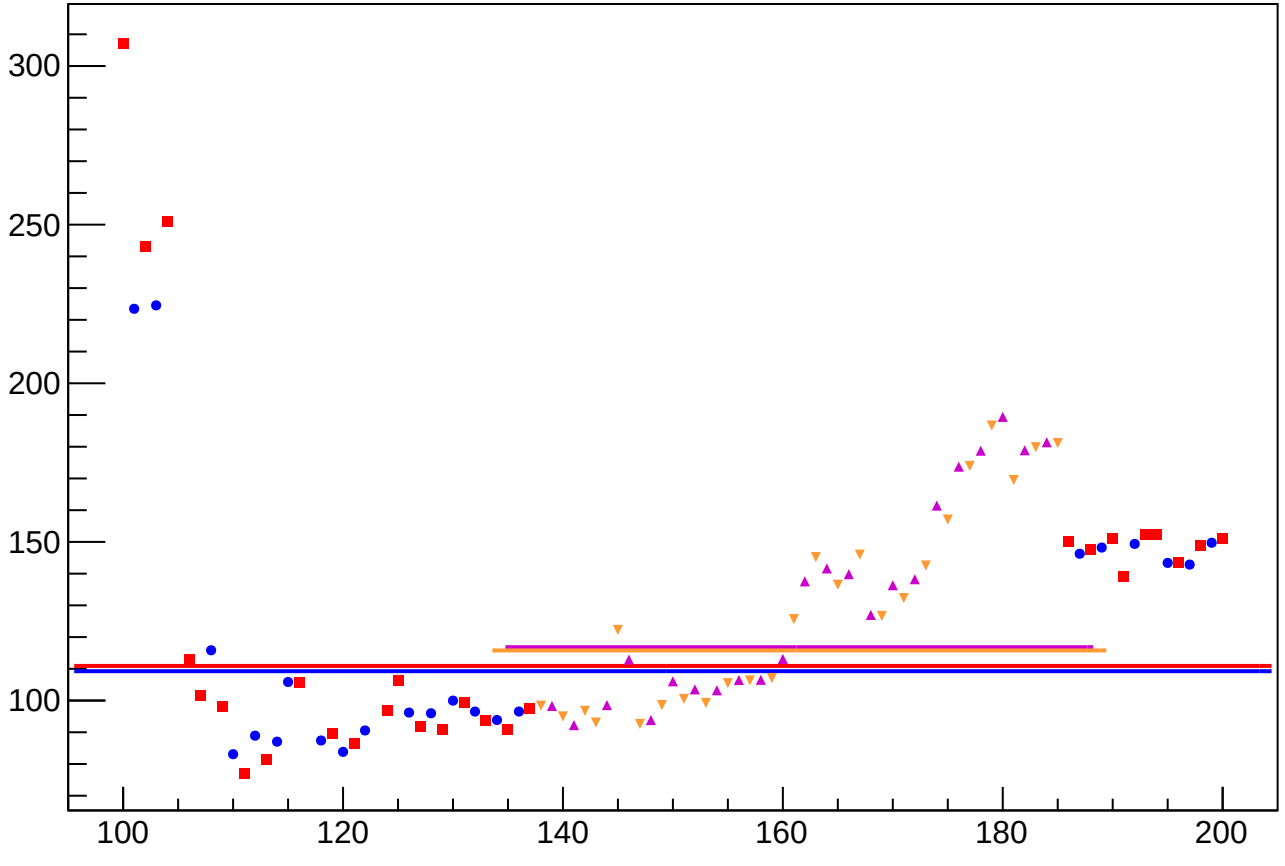
Right: 2453.266+/-23.303 χ^2/NDF: 183439.0/49

In: -2275.381+/-21.756 χ^2/NDF:124991.5/44

Out: -1057.754+/-20.686 χ^2/NDF:202973.5/52

All: -1635.876+/-14.991 χ^2/NDF: 329610.1/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 109.254+/-0.024 χ^2/NDF: 1593081.8/21

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

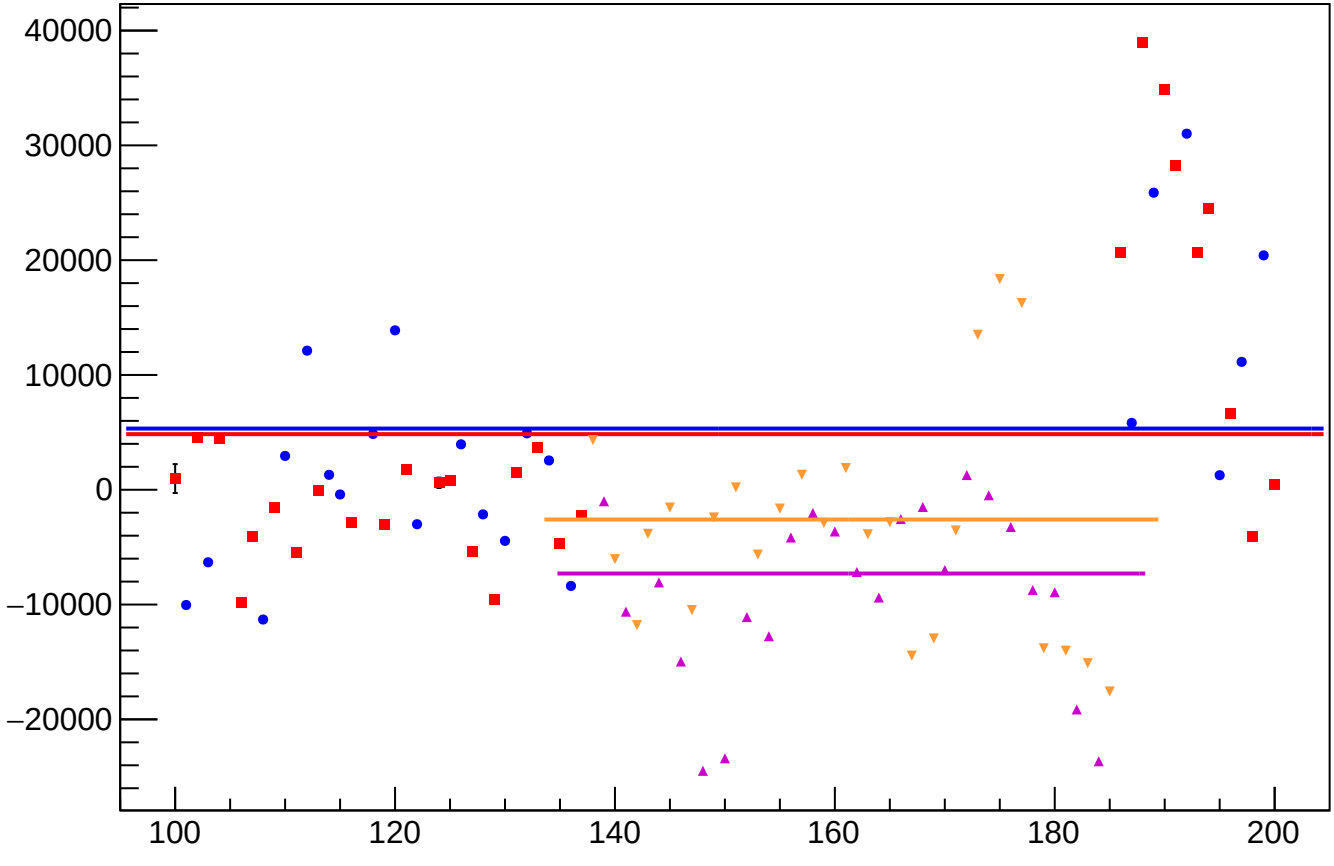
Right: 110.139+/-0.016 χ^2/NDF: 3730121.0/49

In: 113.750+/-0.015 χ^2/NDF:3268832.1/44

Out: 113.734+/-0.015 χ^2/NDF:3910820.8/52

All: 113.742+/-0.011 χ^2/NDF: 7179653.4/97

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5329.435+/-46.232 χ^2/NDF: 61365.2/21

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

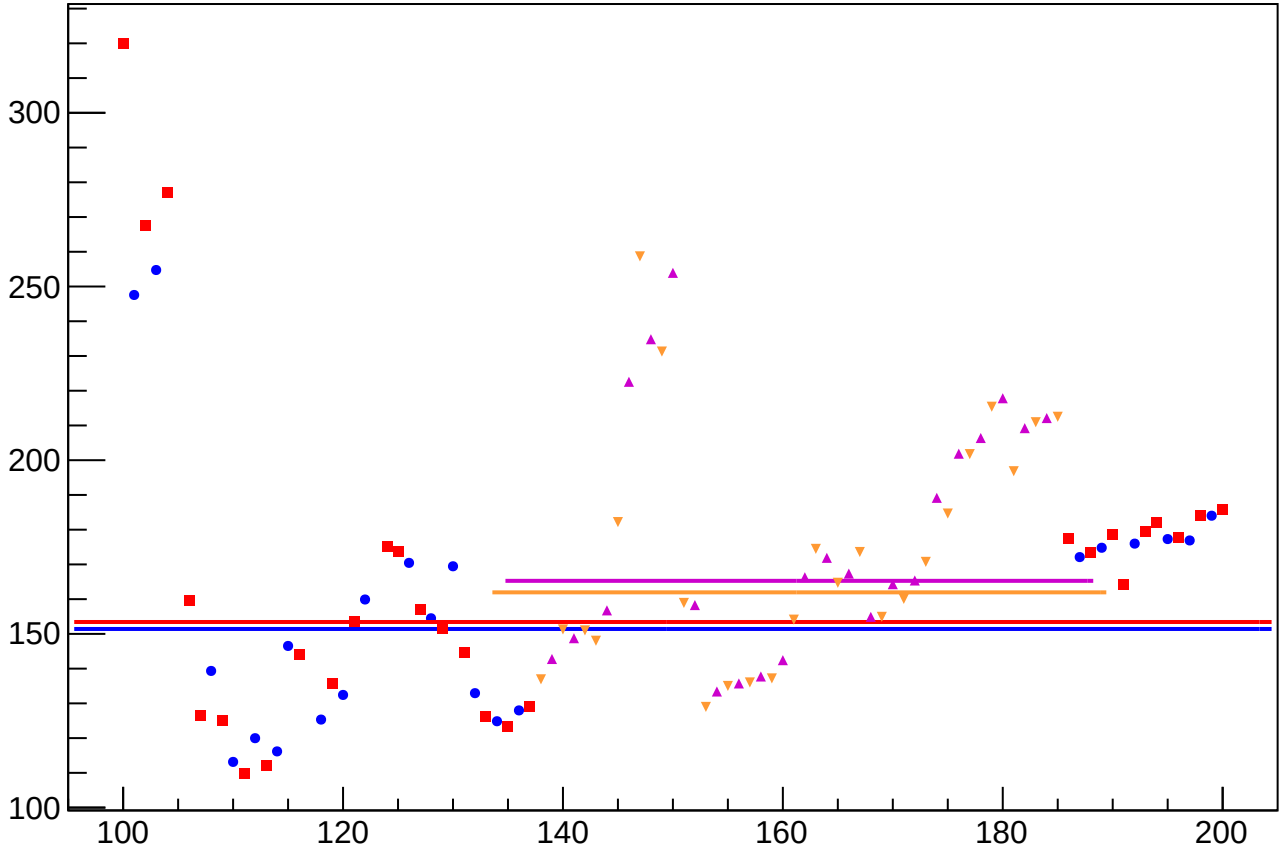
Right: 5069.202+/-31.464 χ^2/NDF: 157568.6/49

In: -1956.906+/-30.065 χ^2/NDF:129149.3/44

Out: 639.646+/-28.307 χ^2/NDF:161094.6/52

All: -580.534+/-20.610 χ^2/NDF: 294197.7/97

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 151.418+/-0.033 χ^2/NDF: 941443.3/21

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

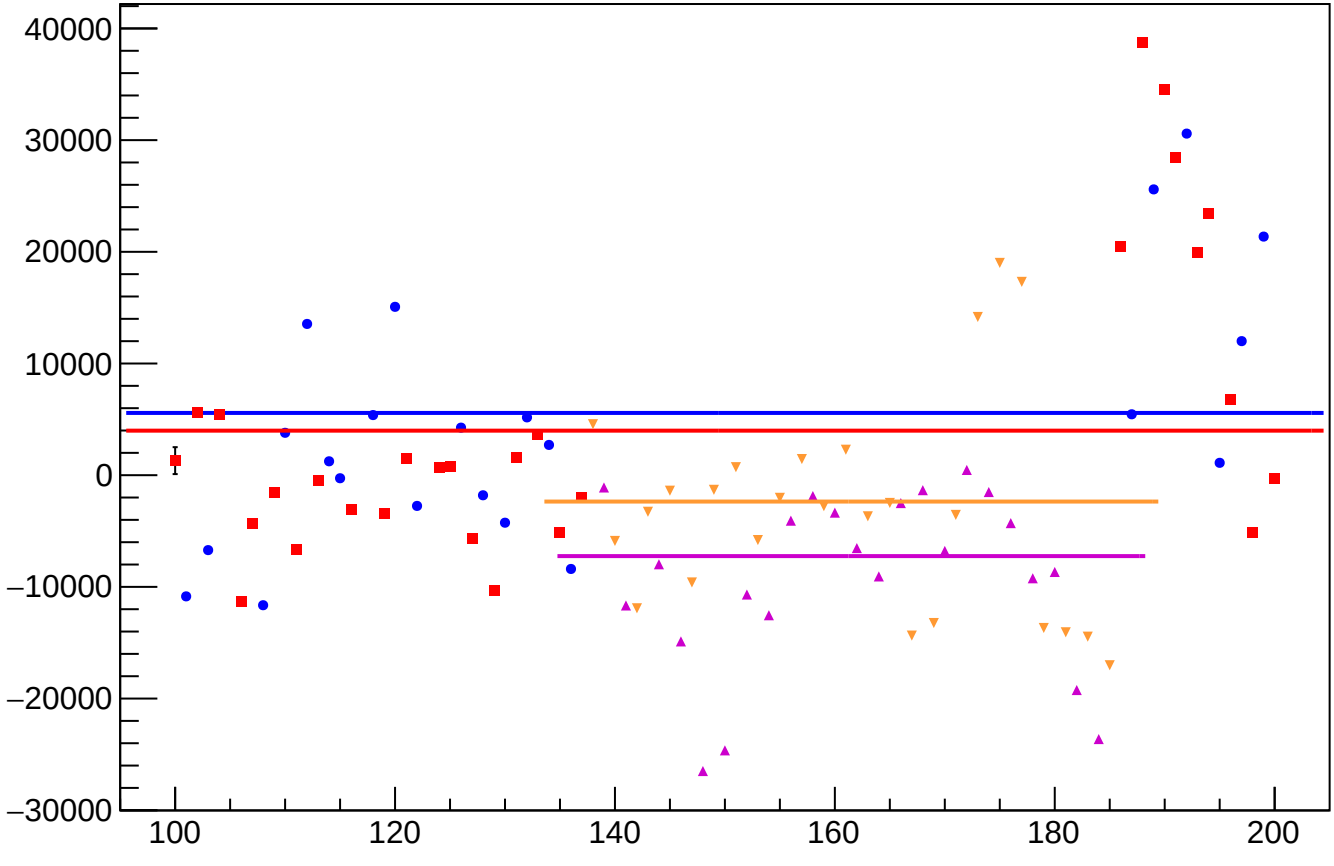
Right: 152.496+/-0.022 χ^2/NDF: 2149076.6/49

In: 159.413+/-0.021 χ^2/NDF:2224192.8/44

Out: 158.250+/-0.020 χ^2/NDF:2395038.3/52

All: 158.797+/-0.015 χ^2/NDF: 4620817.2/97

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5574.841+/-39.096 χ^2/NDF: 85553.7/21

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

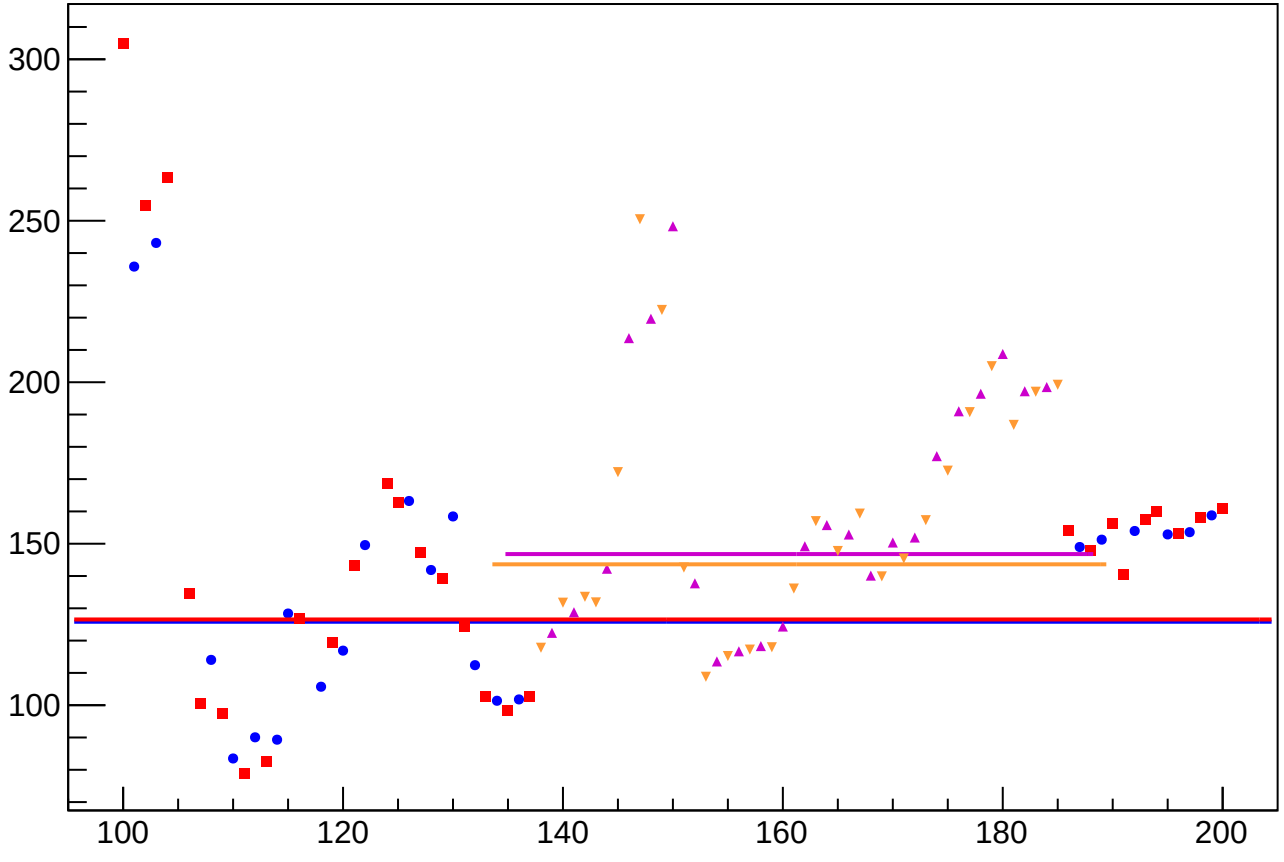
Right: 4718.528+/-26.527 χ^2/NDF: 219432.2/49

In: -1450.194+/-26.285 χ^2/NDF:174921.6/44

Out: 592.816+/-24.630 χ^2/NDF:208086.4/52

All: -362.355+/-17.973 χ^2/NDF: 386224.8/97

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 125.840+/-0.028 χ^2/NDF: 1510590.6/21

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

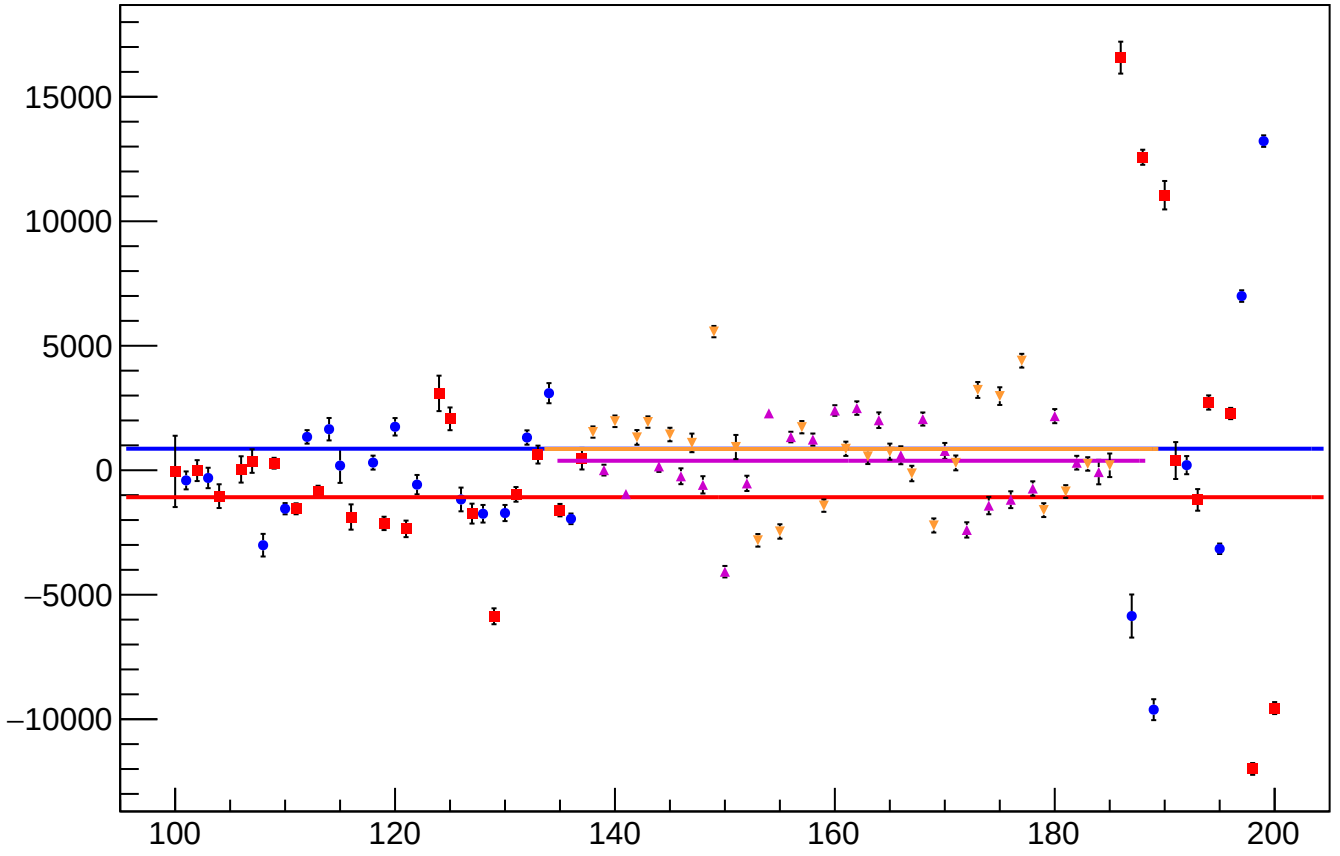
Right: 126.221+/-0.019 χ^2/NDF: 3479504.0/49

In: 137.322+/-0.019 χ^2/NDF:3519926.2/44

Out: 135.678+/-0.017 χ^2/NDF:3870549.7/52

All: 136.447+/-0.013 χ^2/NDF: 7394641.6/97

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 864.767+/-67.005 χ^2/NDF: 5188.1/21

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

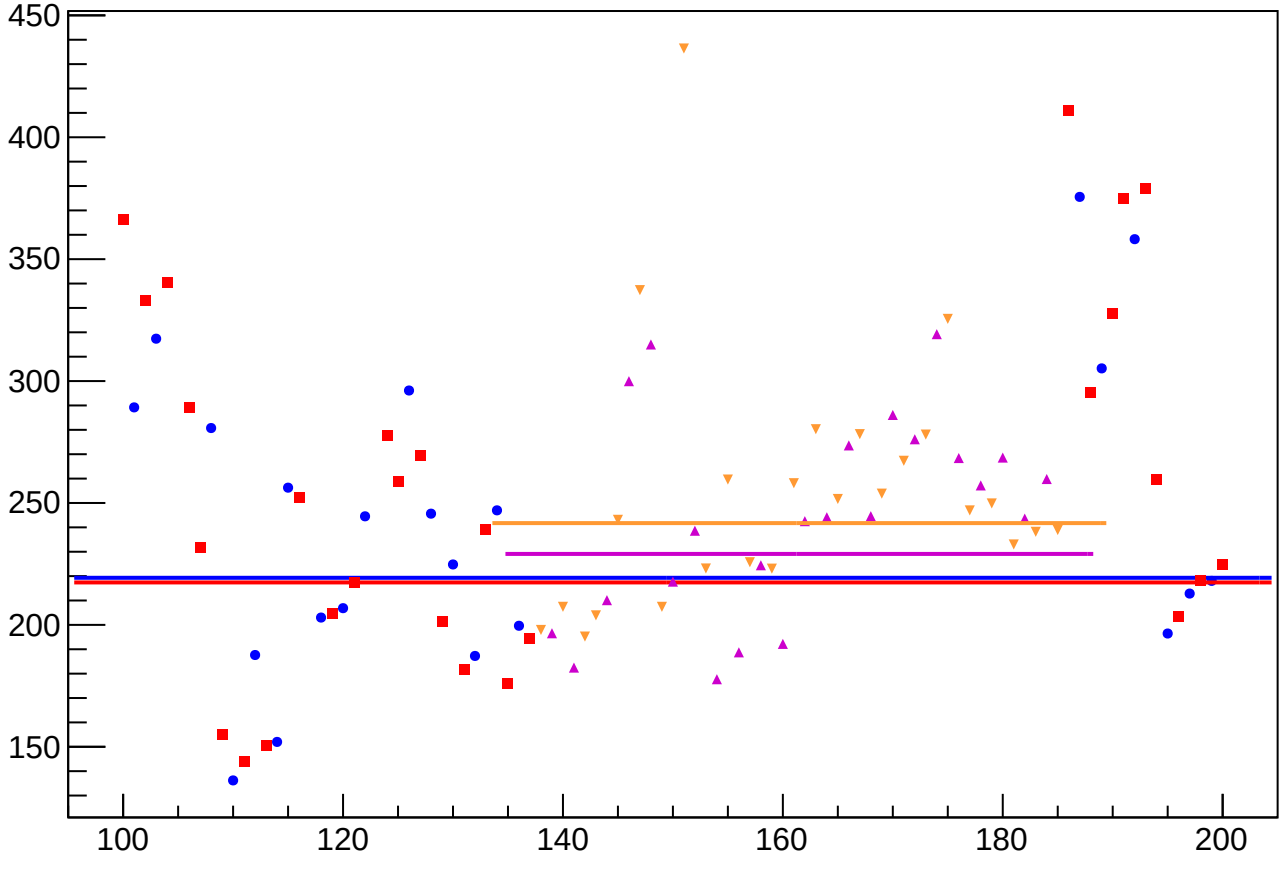
Right: -187.225+/-45.434 χ^2/NDF: 13118.7/49

In: 576.230+/-42.575 χ^2/NDF:6201.5/44

Out: -23.020+/-41.598 χ^2/NDF:9455.1/52

All: 269.651+/-29.753 χ^2/NDF: 15758.0/97

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.315+/-0.047 χ^2/NDF: 1171108.7/21

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

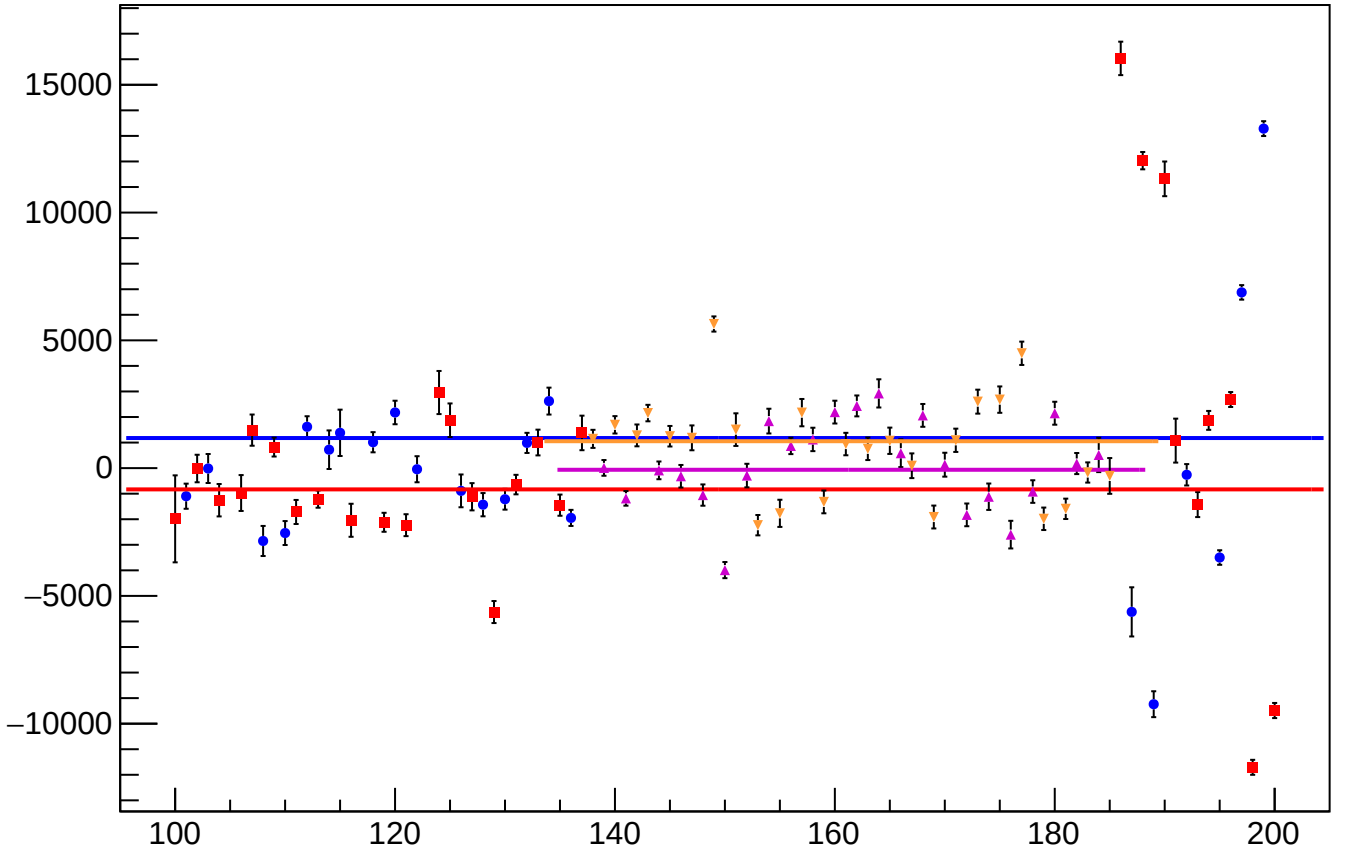
Right: 218.285+/-0.032 χ^2/NDF: 3075063.0/49

In: 225.151+/-0.030 χ^2/NDF:2265520.2/44

Out: 230.725+/-0.029 χ^2/NDF:3059085.6/52

All: 228.003+/-0.021 χ^2/NDF: 5342142.6/97

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 1177.504+/-91.596 χ^2/NDF: 3225.8/21

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

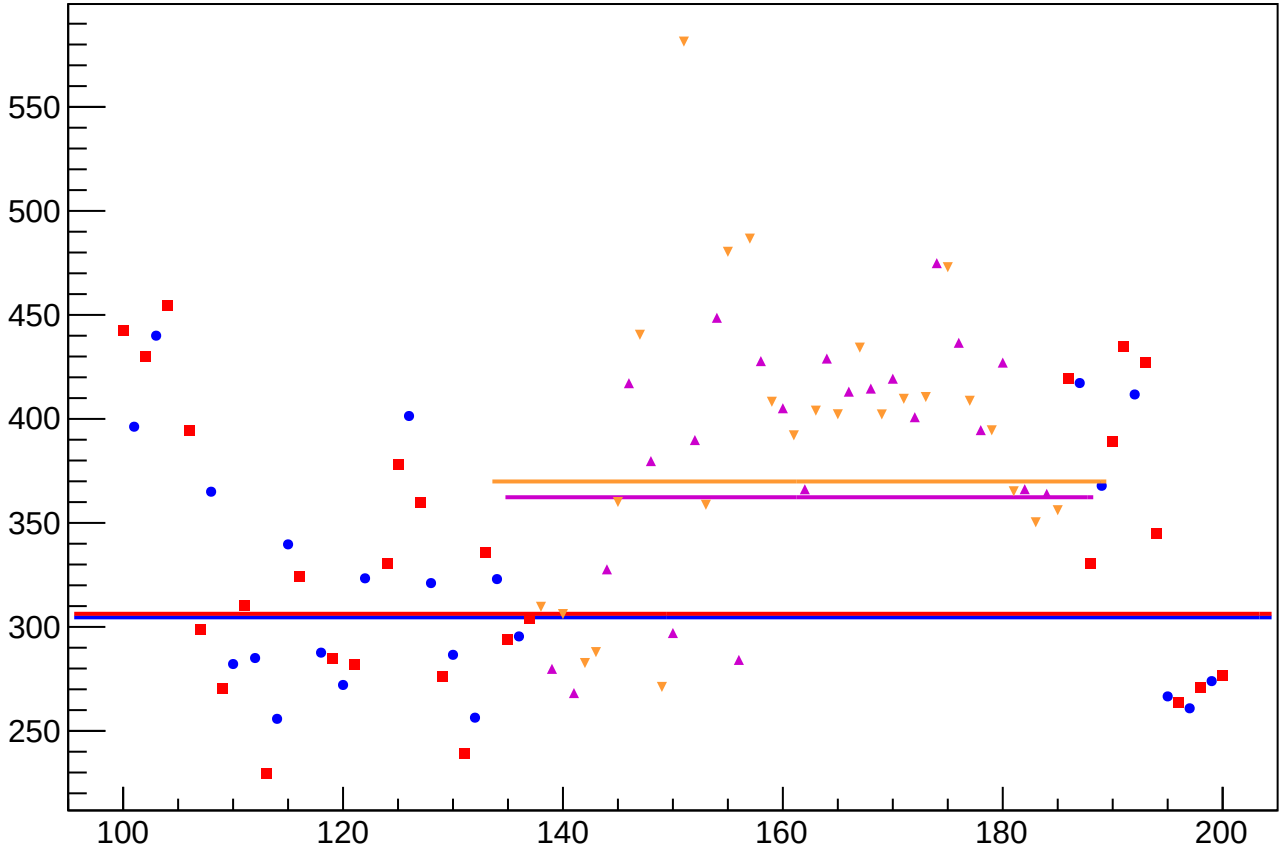
Right: 95.606+/-62.235 χ^2/NDF: 8600.6/49

In: 522.056+/-62.950 χ^2/NDF:3717.3/44

Out: 98.731+/-60.354 χ^2/NDF:5974.2/52

All: 301.483+/-43.566 χ^2/NDF: 9715.1/97

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 304.603+/-0.065 χ^2/NDF: 622512.2/21

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

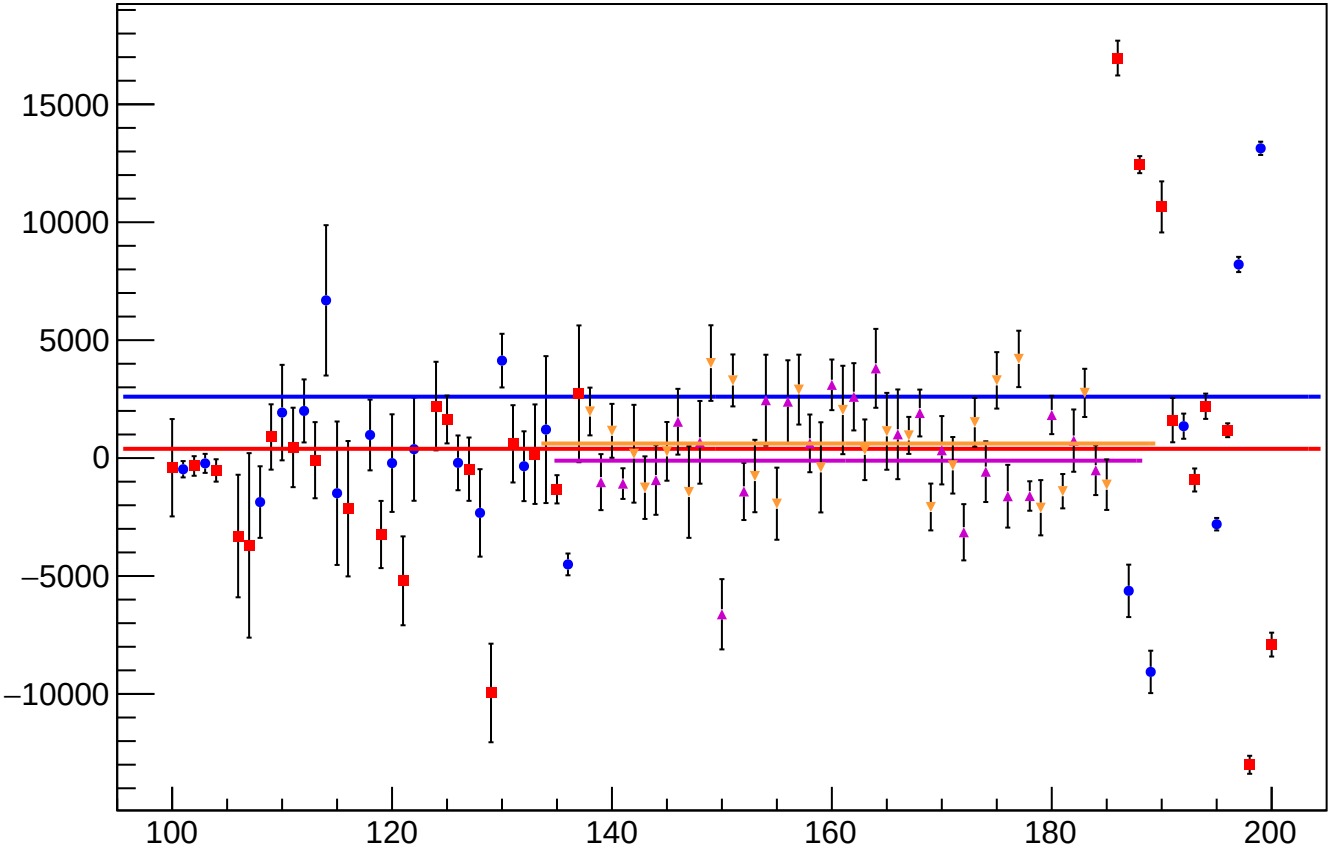
Right: 305.524+/-0.044 χ^2/NDF: 1527070.9/49

In: 335.070+/-0.045 χ^2/NDF:2095244.0/44

Out: 337.719+/-0.043 χ^2/NDF:2689786.0/52

All: 336.450+/-0.031 χ^2/NDF: 4786875.3/97

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 2603.688+/-123.186 χ^2/NDF: 2749.7/21

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

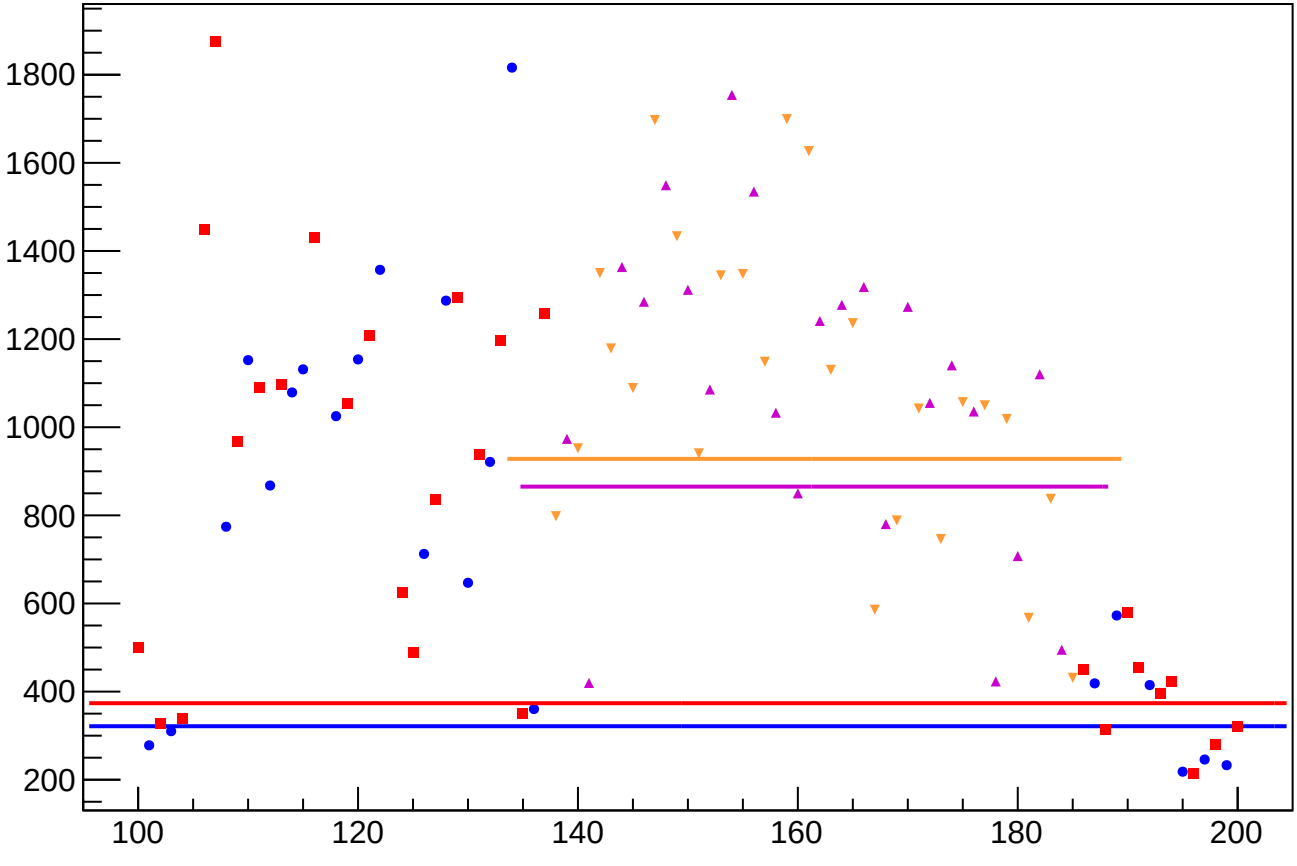
Right: 1550.767+/-89.147 χ^2/NDF: 6197.9/49

In: 2029.749+/-109.384 χ^2/NDF:2924.0/44

Out: 444.305+/-113.545 χ^2/NDF:3361.3/52

All: 1266.608+/-78.776 χ^2/NDF: 6386.4/97

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 321.410+/-0.087 χ^2/NDF: 4929117.6/21

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

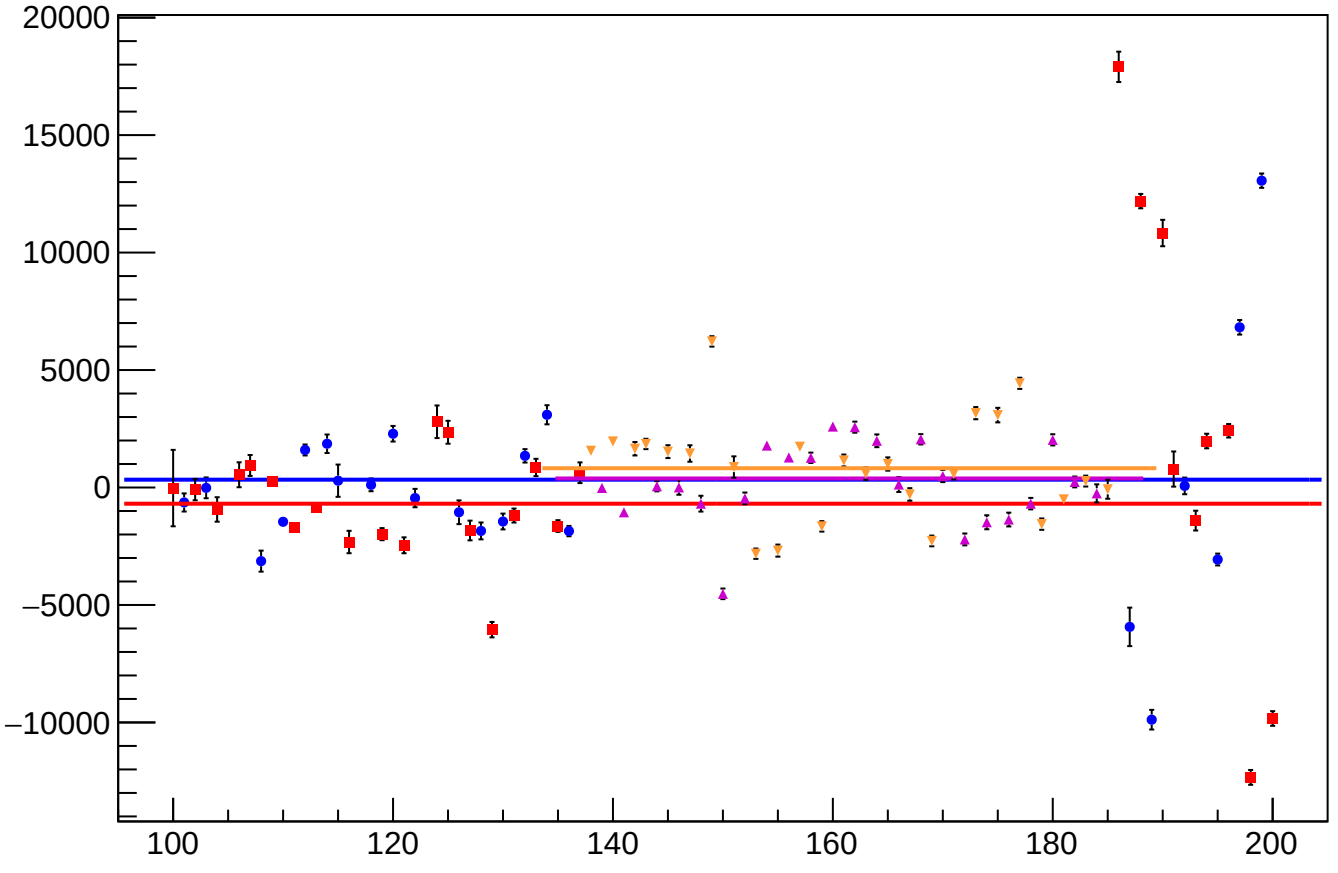
Right: 346.319+/-0.063 χ^2/NDF: 10370849.3/49

In: 436.445+/-0.077 χ^2/NDF:17966760.8/44

Out: 499.762+/-0.080 χ^2/NDF:16943613.2/52

All: 466.922+/-0.056 χ^2/NDF: 35232934.1/97

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 333.312+/-69.198 χ^2/NDF: 3476.5/21

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

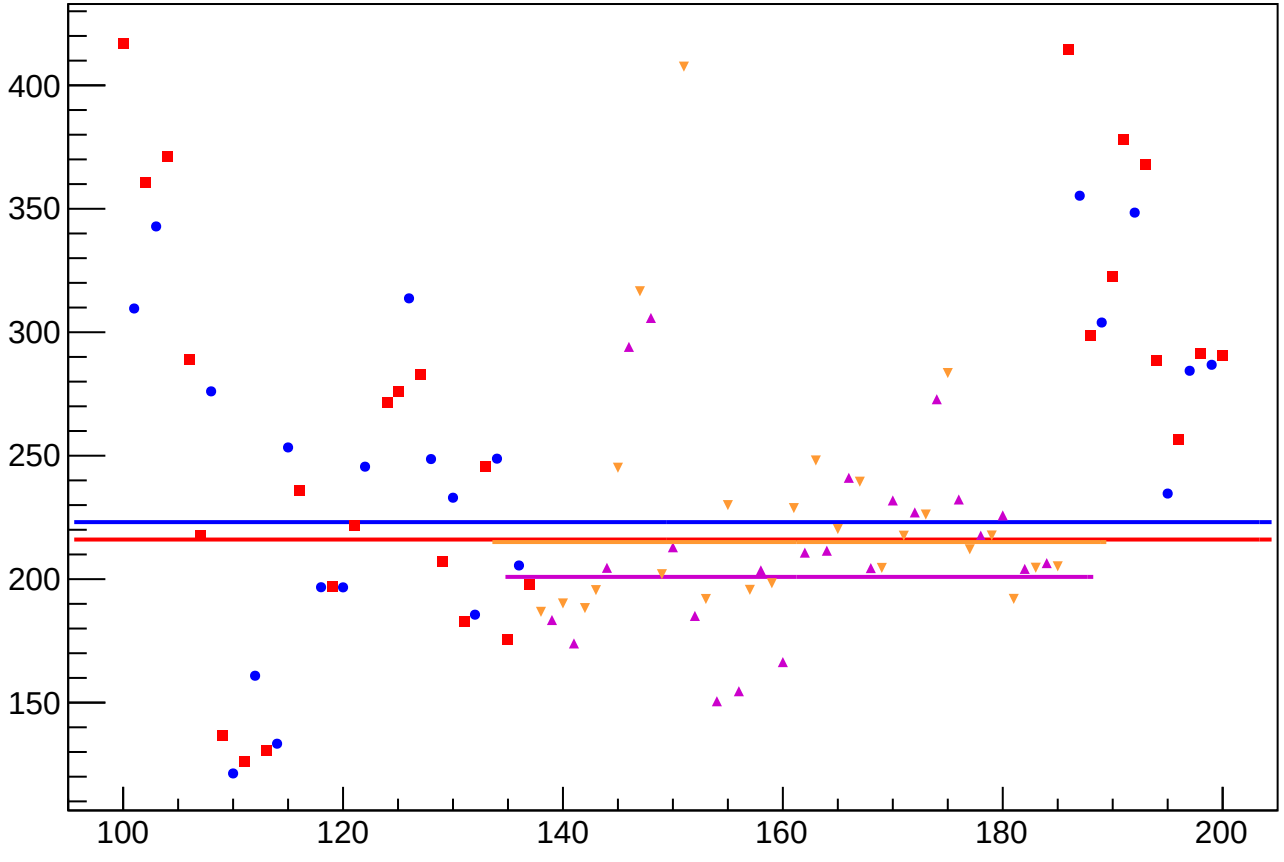
Right: -227.787+/-46.493 χ^2/NDF: 9549.0/49

In: 367.996+/-39.691 χ^2/NDF:4730.2/44

Out: 234.604+/-39.108 χ^2/NDF:8297.6/52

All: 300.313+/-27.857 χ^2/NDF: 13033.5/97

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 223.098+/-0.049 χ^2/NDF: 1745720.8/21

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

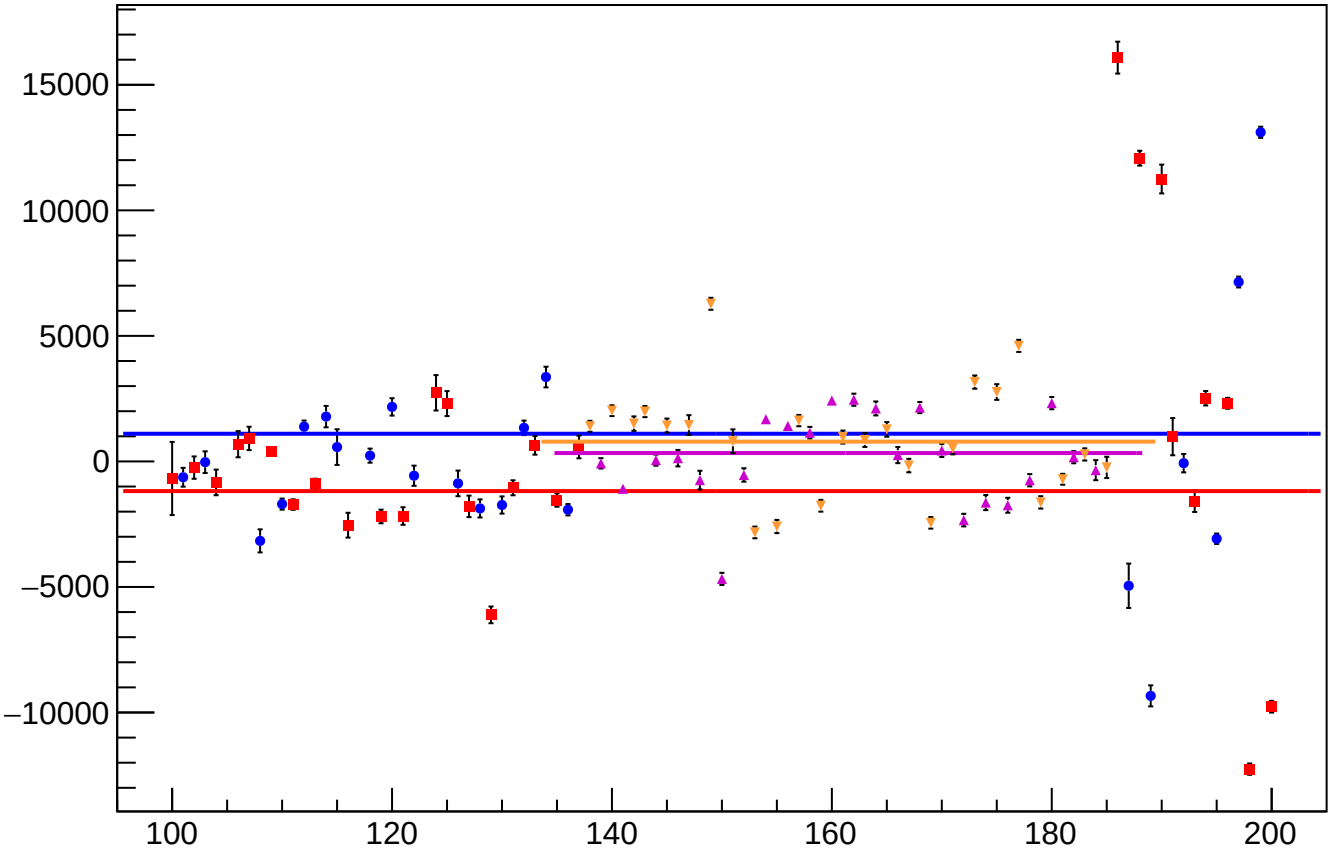
Right: 219.228+/-0.033 χ^2/NDF: 4711034.5/49

In: 208.215+/-0.028 χ^2/NDF:2989454.0/44

Out: 215.421+/-0.028 χ^2/NDF:3852022.6/52

All: 211.871+/-0.020 χ^2/NDF: 6874931.6/97

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 1102.414+/-66.446 χ^2/NDF: 5485.1/21

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

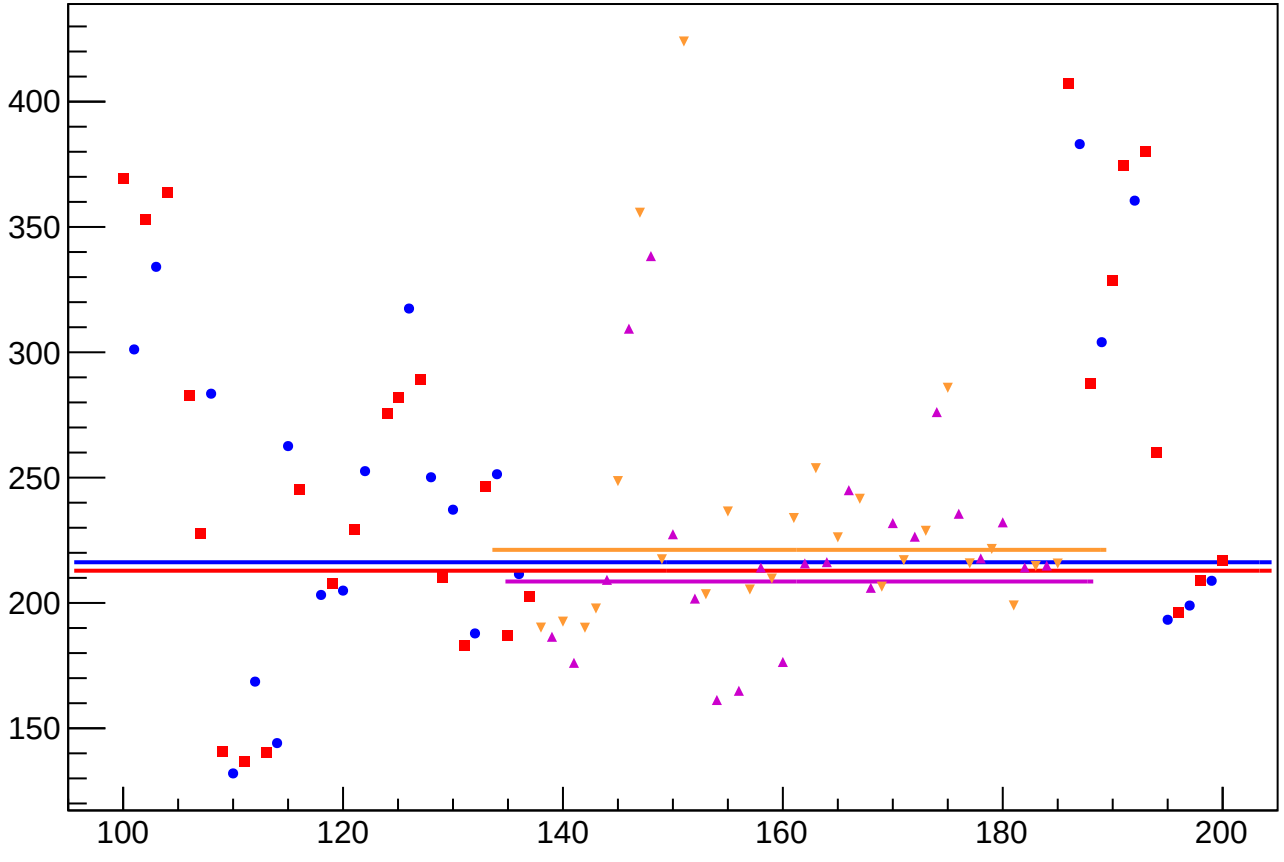
Right: -137.021+/-44.936 χ^2/NDF: 14040.8/49

In: 612.737+/-40.051 χ^2/NDF:6785.6/44

Out: -30.185+/-39.317 χ^2/NDF:10414.2/52

All: 285.329+/-28.057 χ^2/NDF: 17331.1/97

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.238+/-0.047 χ^2/NDF: 1400513.7/21

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

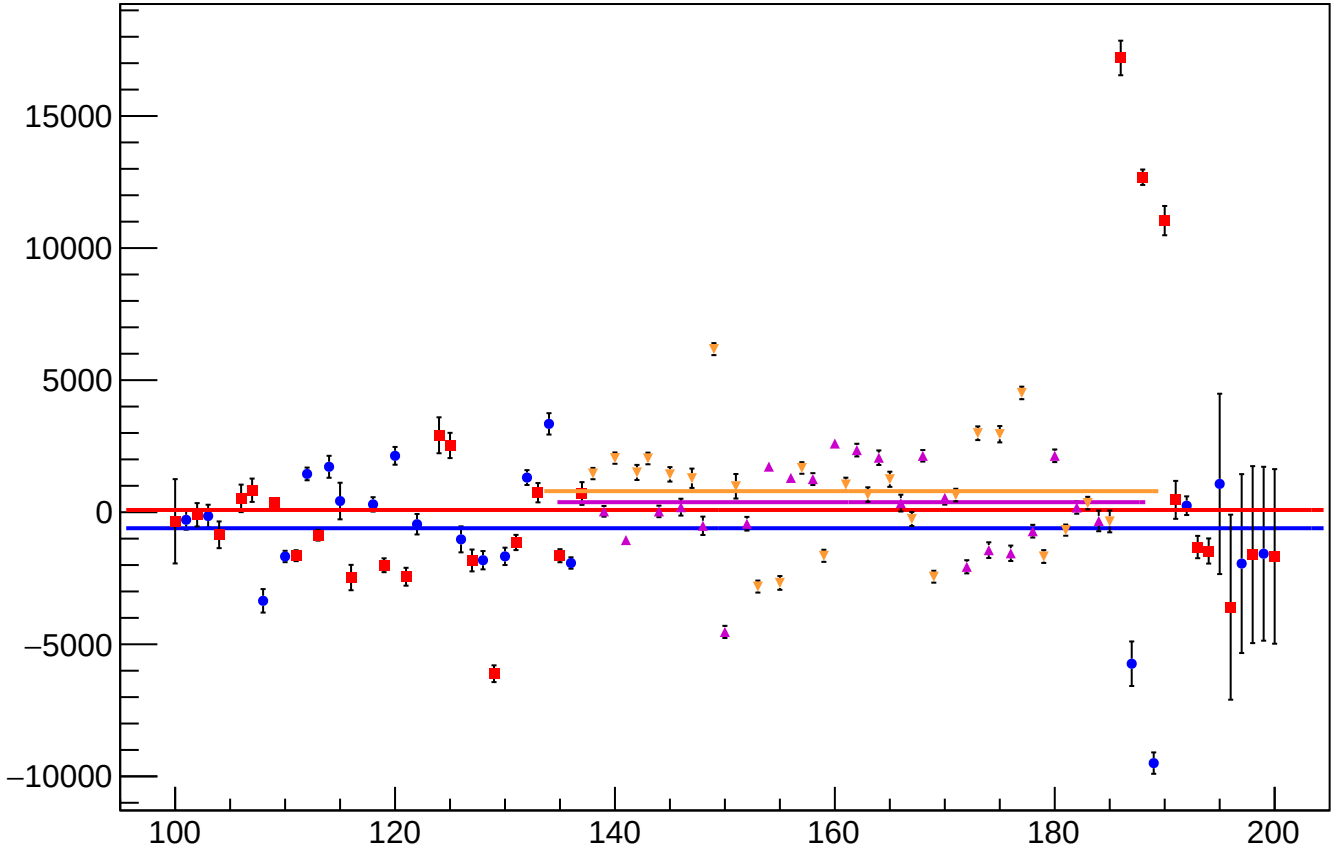
Right: 214.405+/-0.032 χ^2/NDF: 3651493.7/49

In: 211.347+/-0.028 χ^2/NDF:2453172.2/44

Out: 217.727+/-0.028 χ^2/NDF:3209468.5/52

All: 214.596+/-0.020 χ^2/NDF: 5688483.1/97

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -605.967+/-76.435 χ^2/NDF: 977.0/21

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

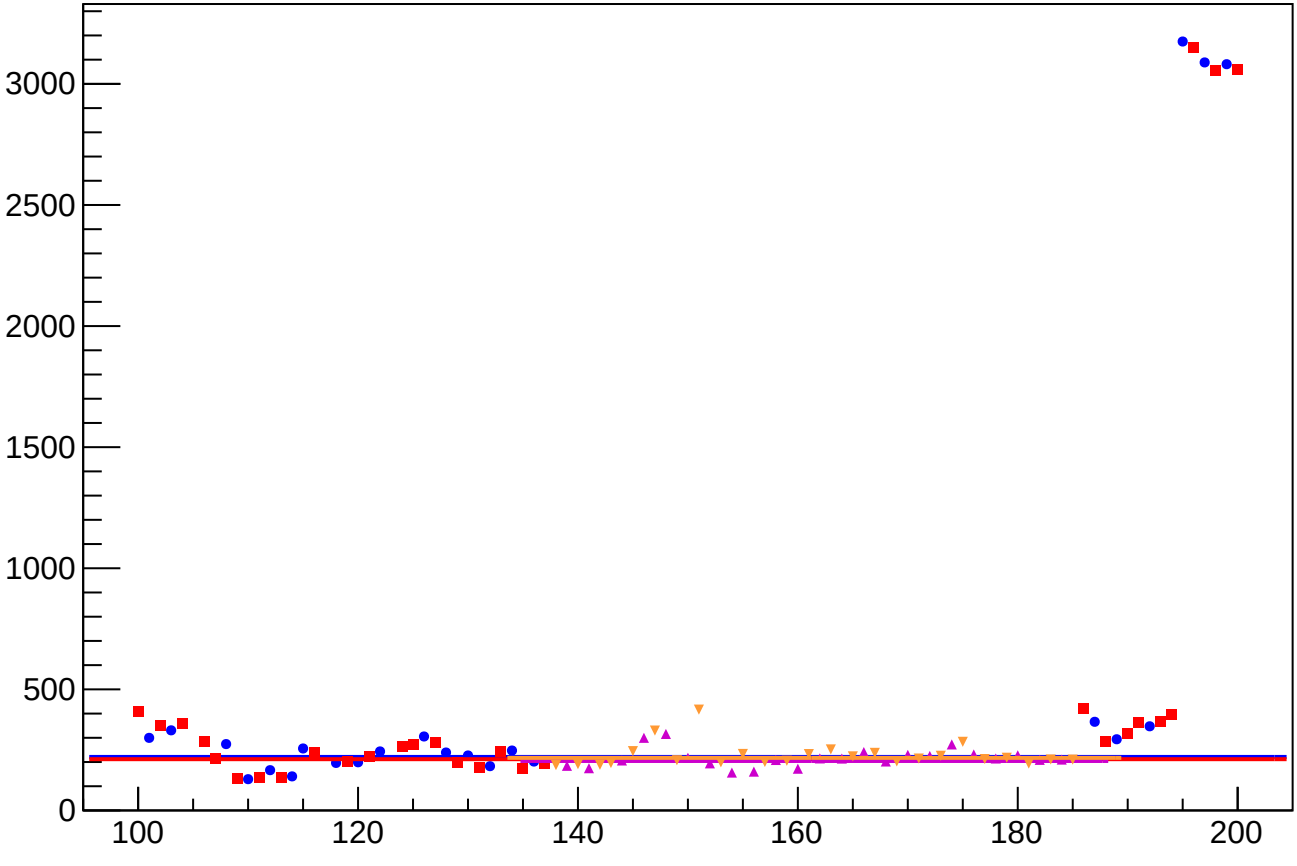
Right: -221.015+/-50.864 χ^2/NDF: 4754.3/49

In: 90.998+/-41.360 χ^2/NDF:2295.8/44

Out: 544.909+/-40.570 χ^2/NDF:5763.2/52

All: 322.330+/-28.963 χ^2/NDF: 8120.3/97

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 220.984+/-0.054 χ^2/NDF: 5775973.4/21

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

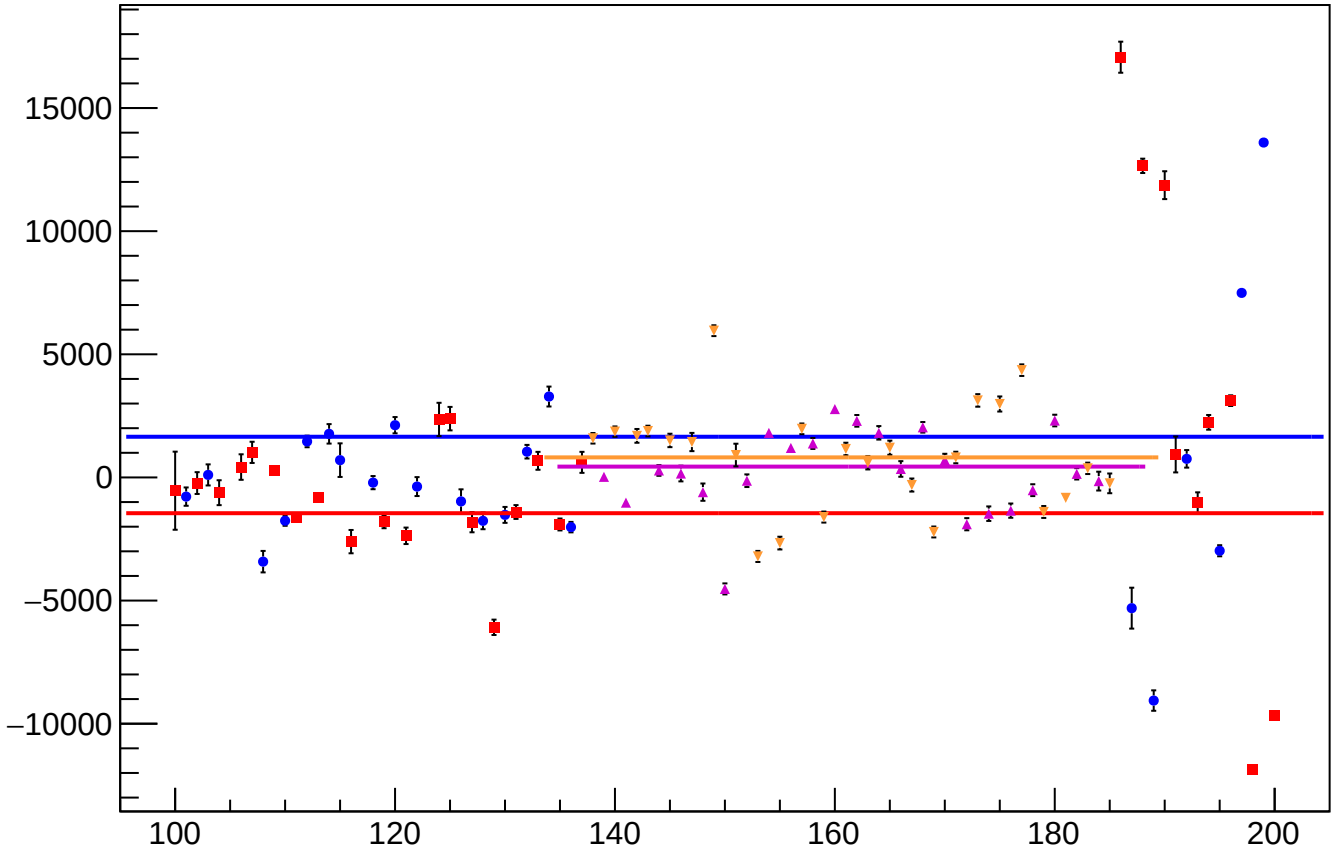
Right: 215.816+/-0.036 χ^2/NDF: 12741929.8/49

In: 209.191+/-0.029 χ^2/NDF:6858343.0/44

Out: 215.269+/-0.029 χ^2/NDF:7868452.0/52

All: 212.289+/-0.020 χ^2/NDF: 14748808.1/97

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 1651.973+/-62.950 χ^2/NDF: 7184.9/21

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

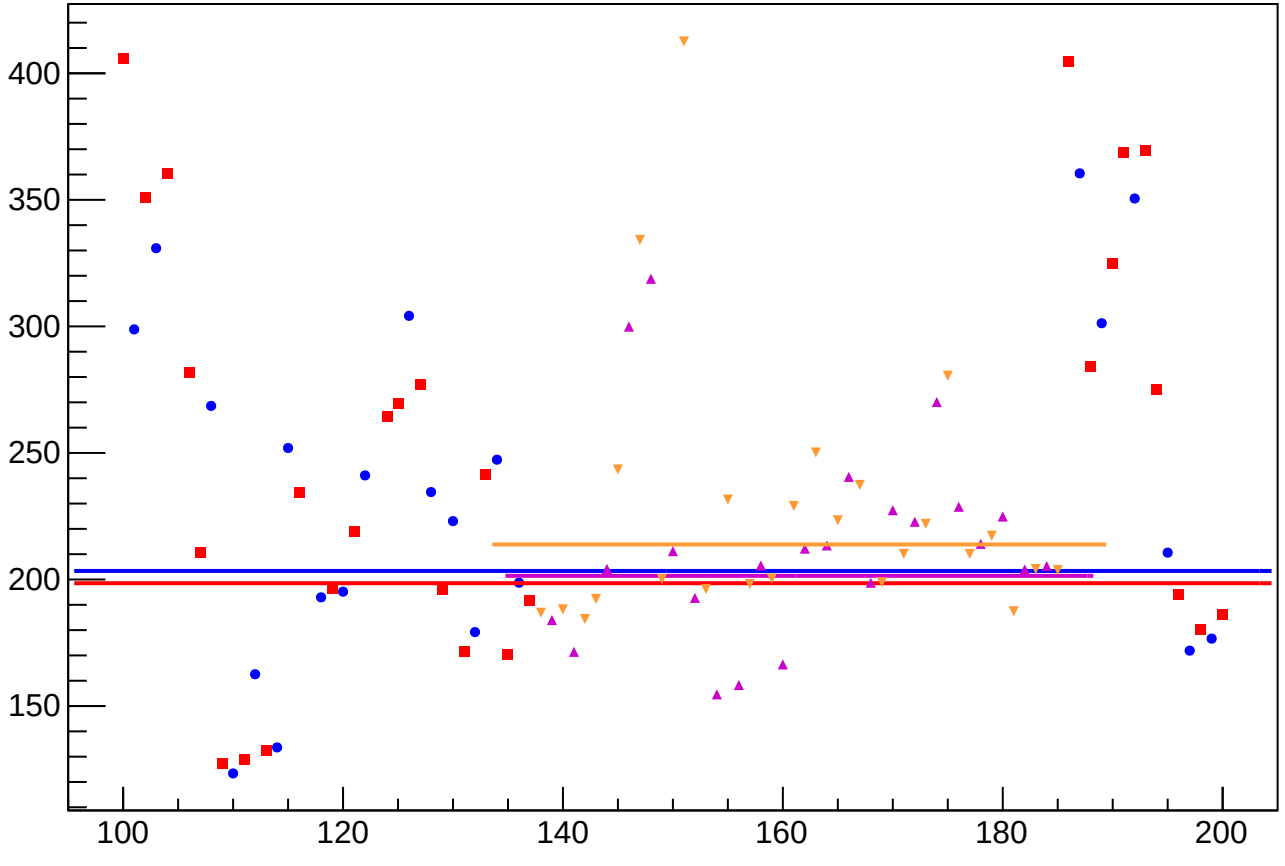
Right: -42.755+/-42.418 χ^2/NDF: 17908.4/49

In: 891.656+/-38.437 χ^2/NDF:8652.4/44

Out: -158.037+/-37.601 χ^2/NDF:12286.4/52

All: 355.264+/-26.879 χ^2/NDF: 21319.9/97

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 203.376+/-0.045 χ^2/NDF: 1582327.9/21

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

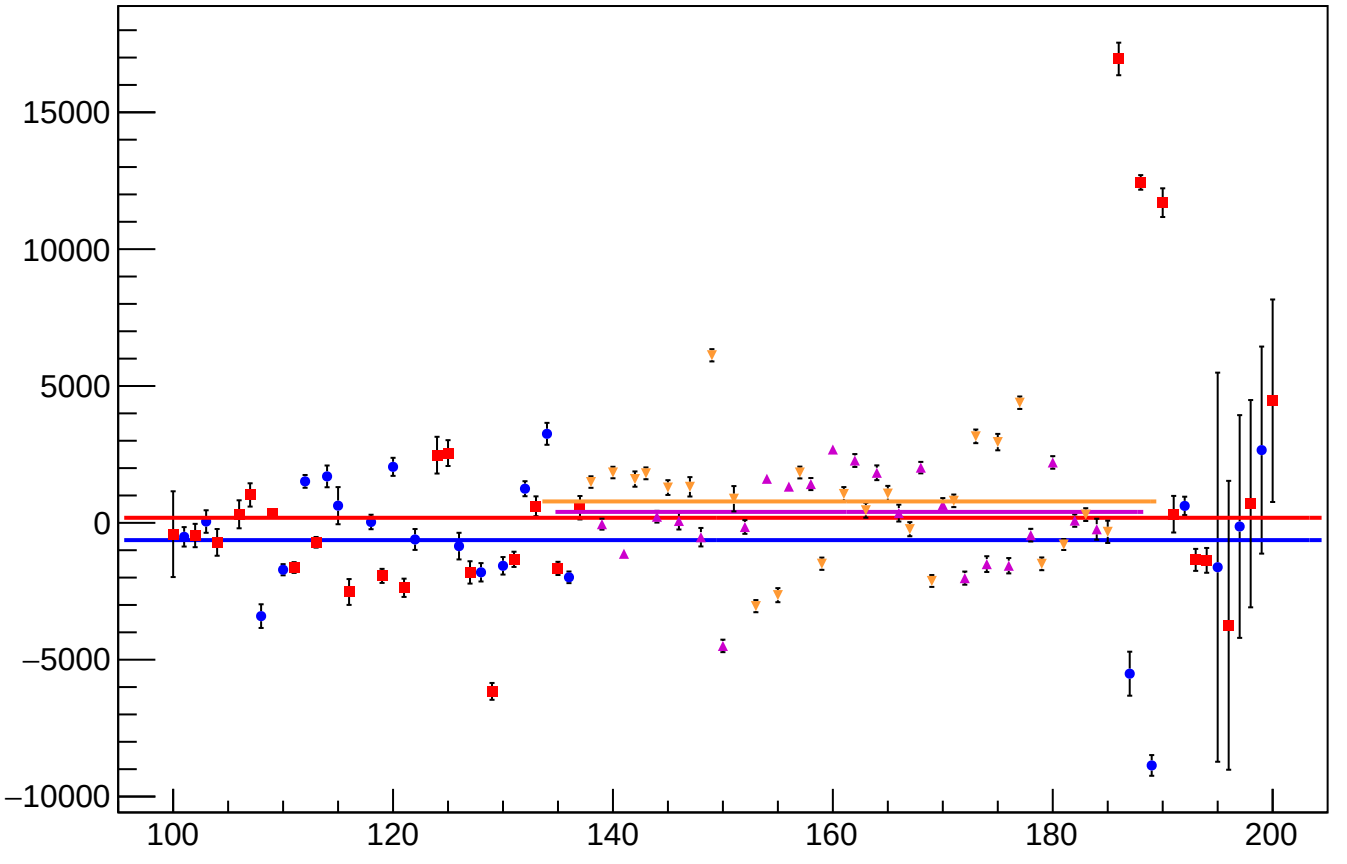
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 200.729+/-0.030 χ^2/NDF: 4216697.4/49

In: 202.165+/-0.027 χ^2/NDF:2645479.9/44

Out: 207.276+/-0.027 χ^2/NDF:3672805.6/52

All: 204.777+/-0.019 χ^2/NDF: 6336352.0/97



Right In: -630.882+/-74.035 χ^2/NDF: 993.2/21

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

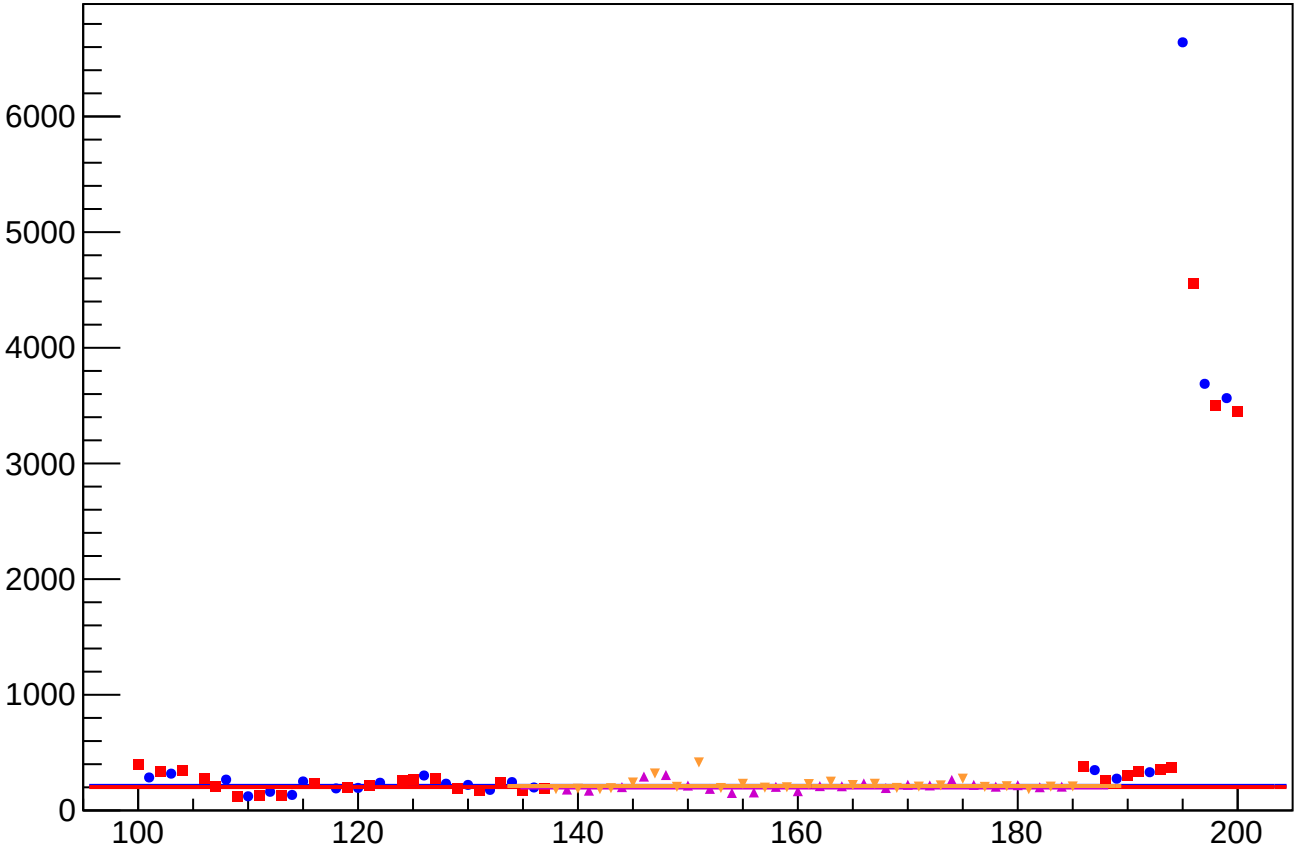
Right: -172.955+/-49.038 χ^2/NDF: 5335.2/49

In: 96.395+/-40.169 χ^2/NDF:2362.0/44

Out: 566.725+/-39.328 χ^2/NDF:6328.3/52

All: 336.530+/-28.102 χ^2/NDF: 8760.3/97

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 212.612+/-0.052 χ^2/NDF: 5998872.7/21

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

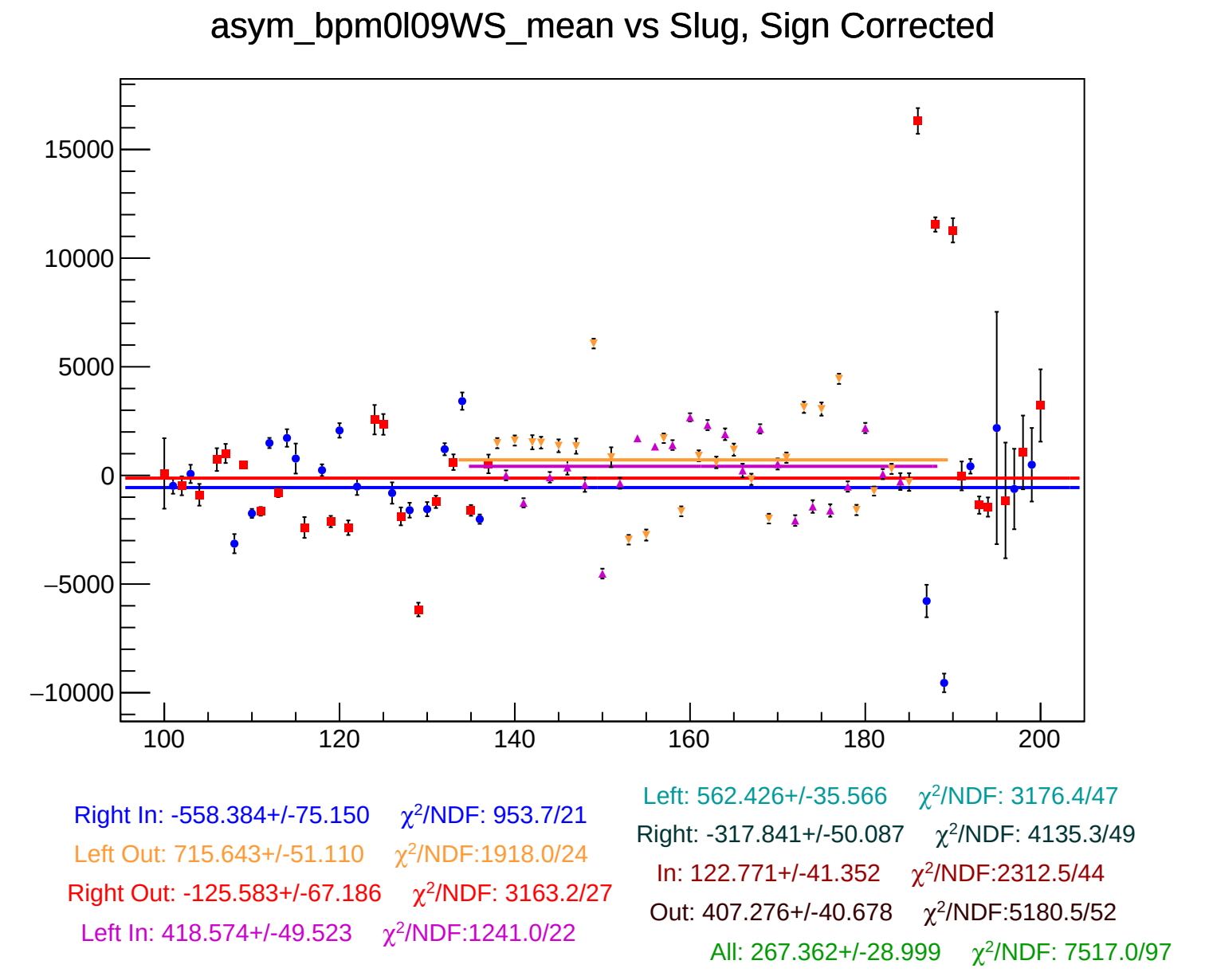
Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

Right: 206.767+/-0.035 χ^2/NDF: 13032535.5/49

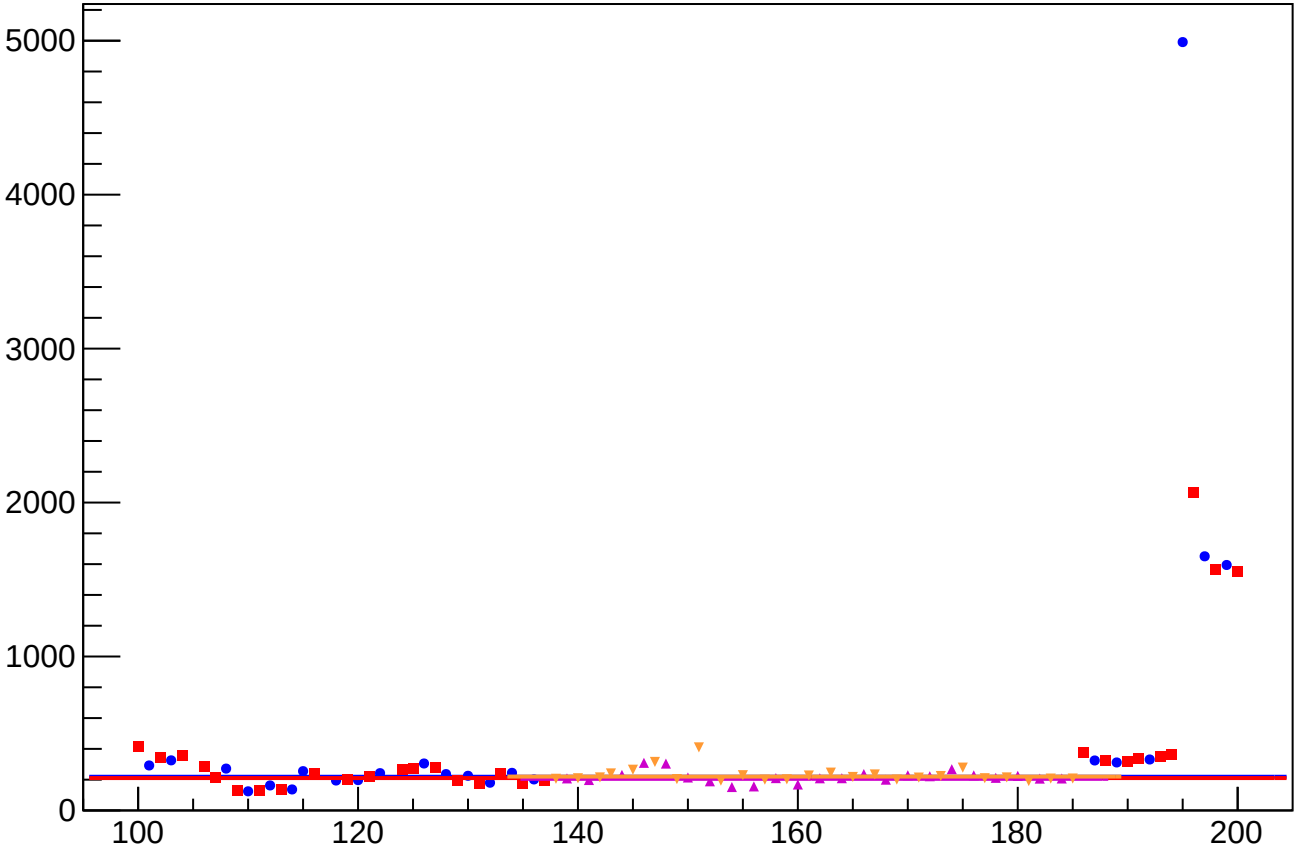
In: 202.671+/-0.028 χ^2/NDF:7056428.0/44

Out: 208.139+/-0.028 χ^2/NDF:7972216.7/52

All: 205.463+/-0.020 χ^2/NDF: 15047564.9/97


asym_bpm0l09WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -558.384+/-75.150 χ²/NDF: 953.7/21
Left Out: 715.643+/-51.110 χ²/NDF:1918.0/24
Right Out: -125.583+/-67.186 χ²/NDF: 3163.2/27
Left In: 418.574+/-49.523 χ²/NDF:1241.0/22
Left: 562.426+/-35.566 χ²/NDF: 3176.4/47
Right: -317.841+/-50.087 χ²/NDF: 4135.3/49
In: 122.771+/-41.352 χ²/NDF:2312.5/44
Out: 407.276+/-40.678 χ²/NDF:5180.5/52
All: 267.362+/-28.999 χ²/NDF: 7517.0/97

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 218.864+/-0.053 χ^2/NDF: 5485878.9/21

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

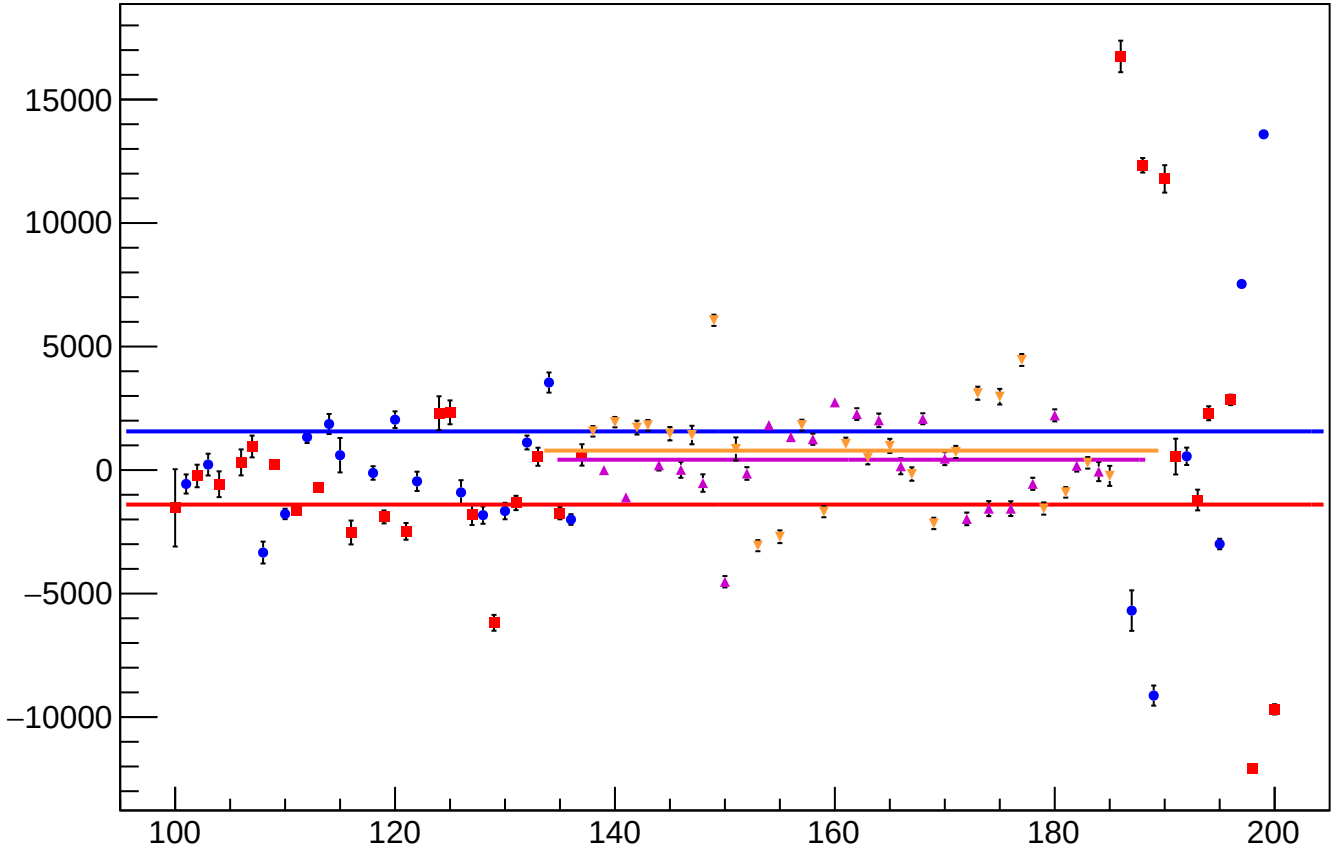
Right: 214.151+/-0.035 χ^2/NDF: 11742272.1/49

In: 209.533+/-0.029 χ^2/NDF:6544064.3/44

Out: 216.567+/-0.029 χ^2/NDF:7068678.0/52

All: 213.108+/-0.021 χ^2/NDF: 13642148.4/97

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 1565.107+/-63.771 χ^2/NDF: 7024.0/21

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

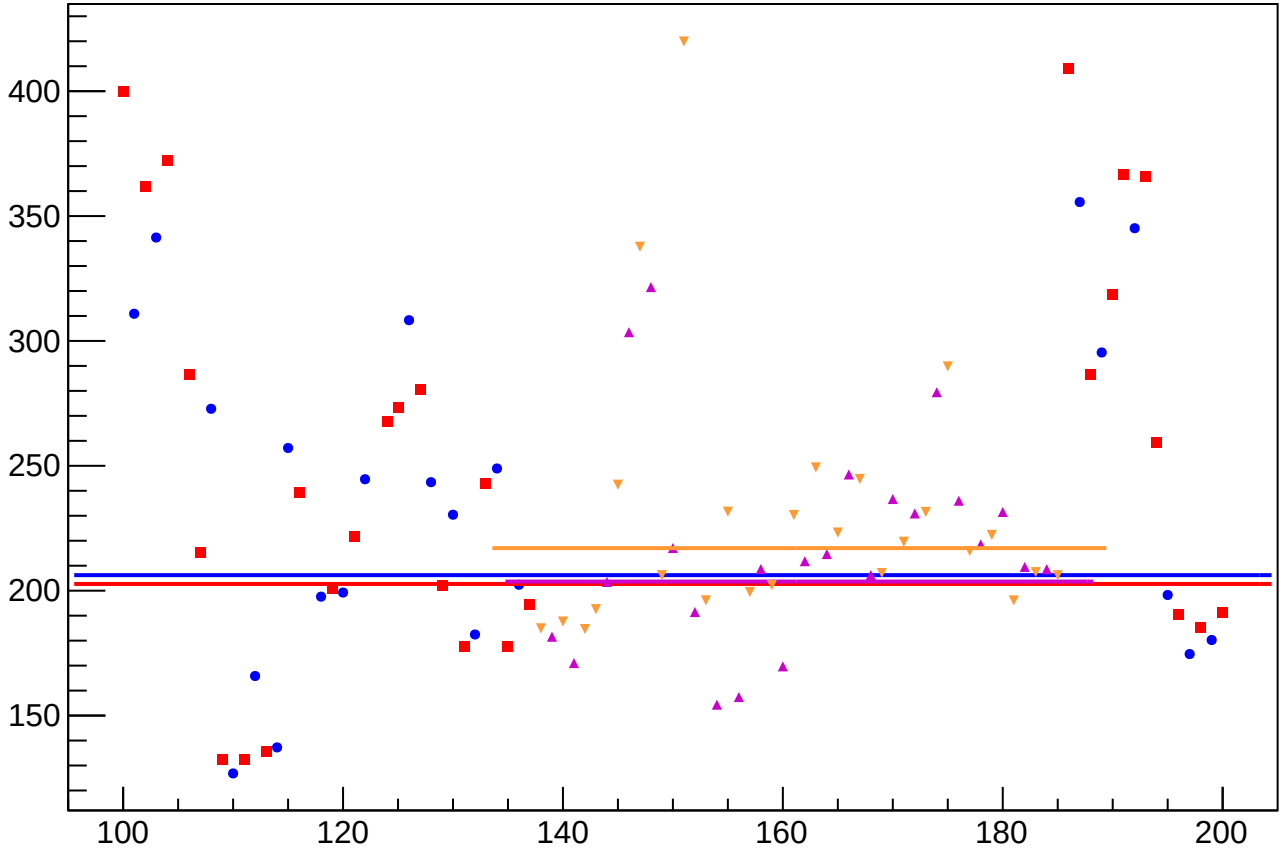
Right: -44.396+/-43.095 χ^2/NDF: 17218.6/49

In: 846.011+/-38.930 χ^2/NDF:8437.7/44

Out: -146.846+/-38.228 χ^2/NDF:11758.7/52

All: 340.542+/-27.276 χ^2/NDF: 20527.6/97

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 206.226+/-0.045 χ^2/NDF: 1531087.2/21

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

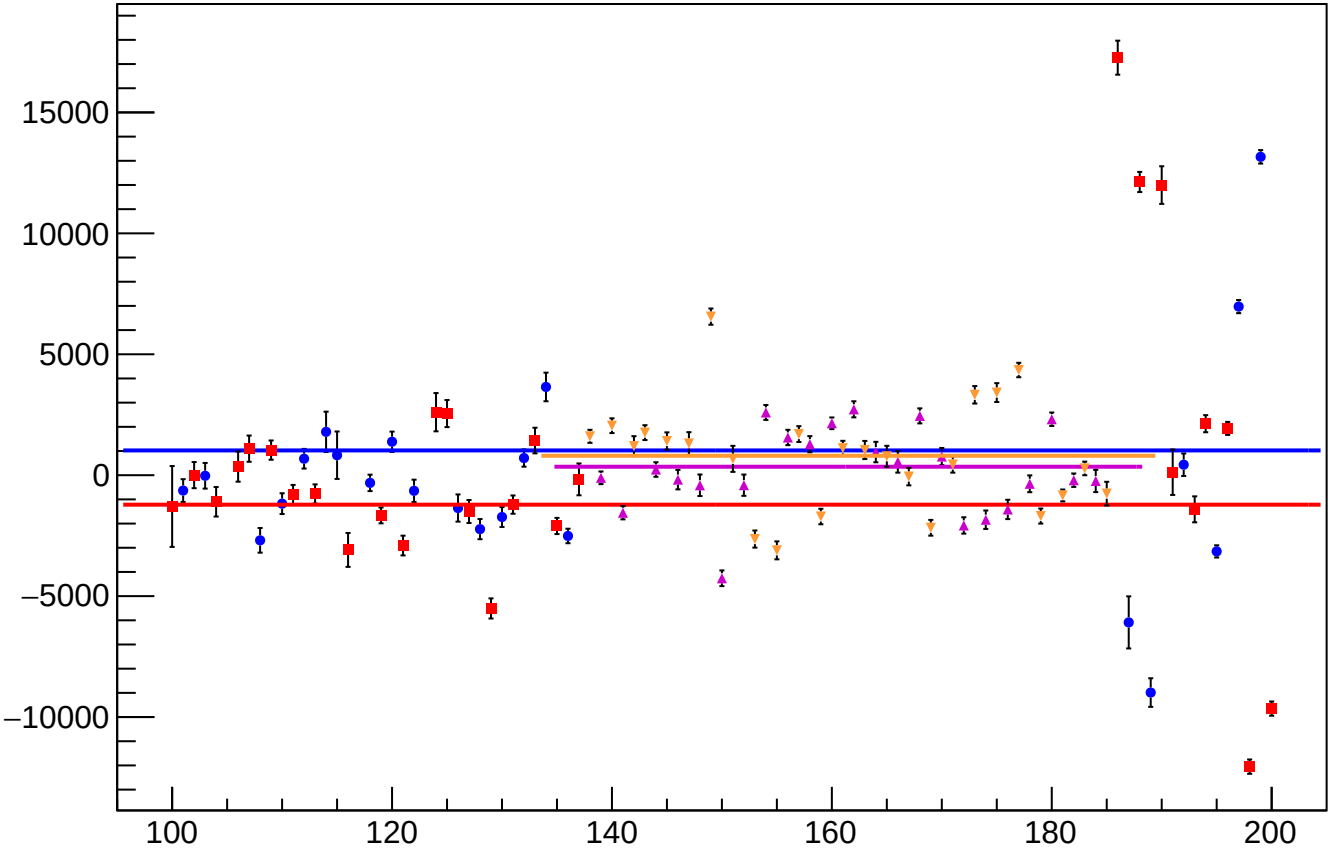
Right: 204.307+/-0.030 χ^2/NDF: 4002222.2/49

In: 204.616+/-0.028 χ^2/NDF:2698452.8/44

Out: 210.907+/-0.027 χ^2/NDF:3519907.3/52

All: 207.819+/-0.019 χ^2/NDF: 6244947.0/97

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 1024.295+/-87.037 χ^2/NDF: 3386.3/21

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

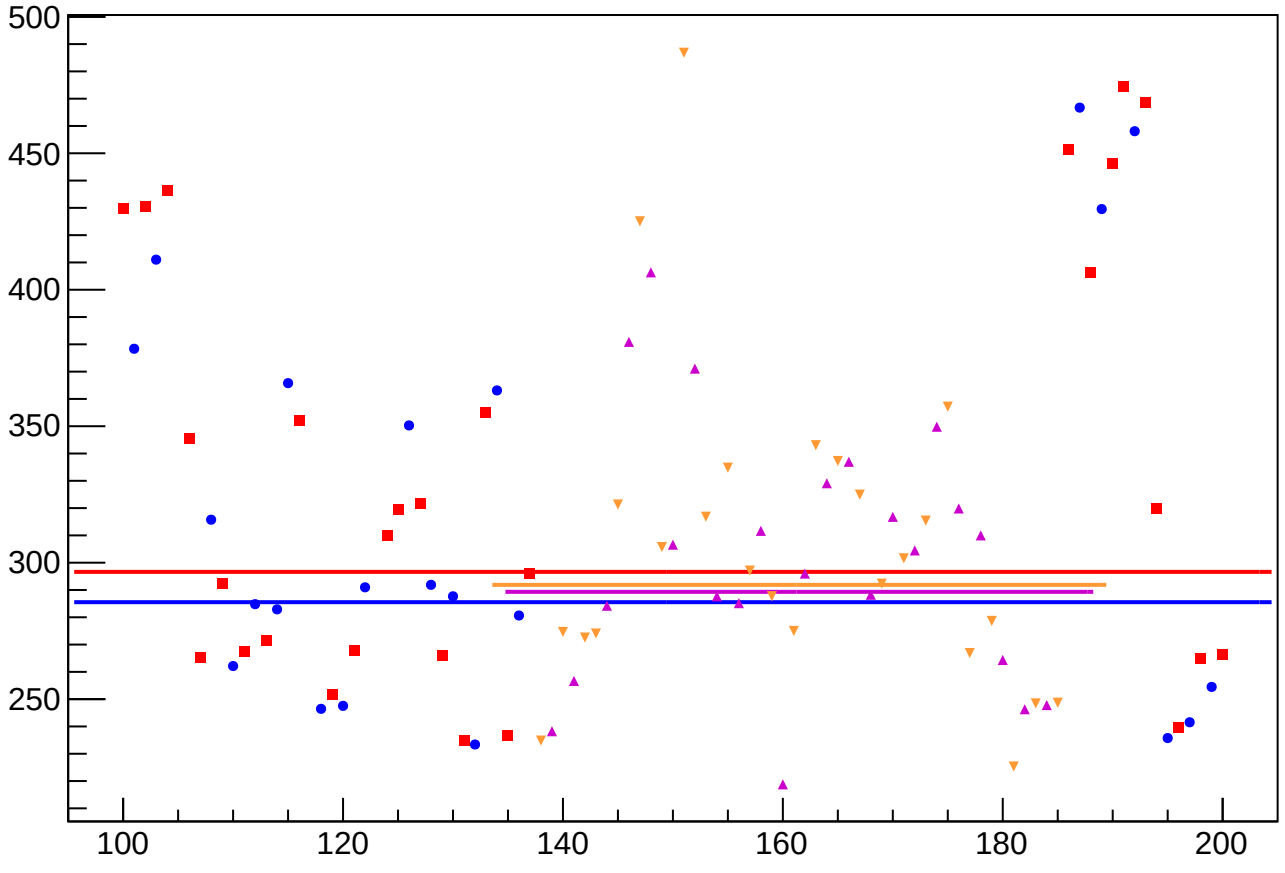
Right: -146.545+/-60.178 χ^2/NDF: 8430.0/49

In: 610.218+/-54.063 χ^2/NDF:4079.2/44

Out: -0.766+/-52.533 χ^2/NDF:6109.9/52

All: 295.959+/-37.676 χ^2/NDF: 10254.8/97

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 285.533+/-0.062 χ^2/NDF: 968809.8/21

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

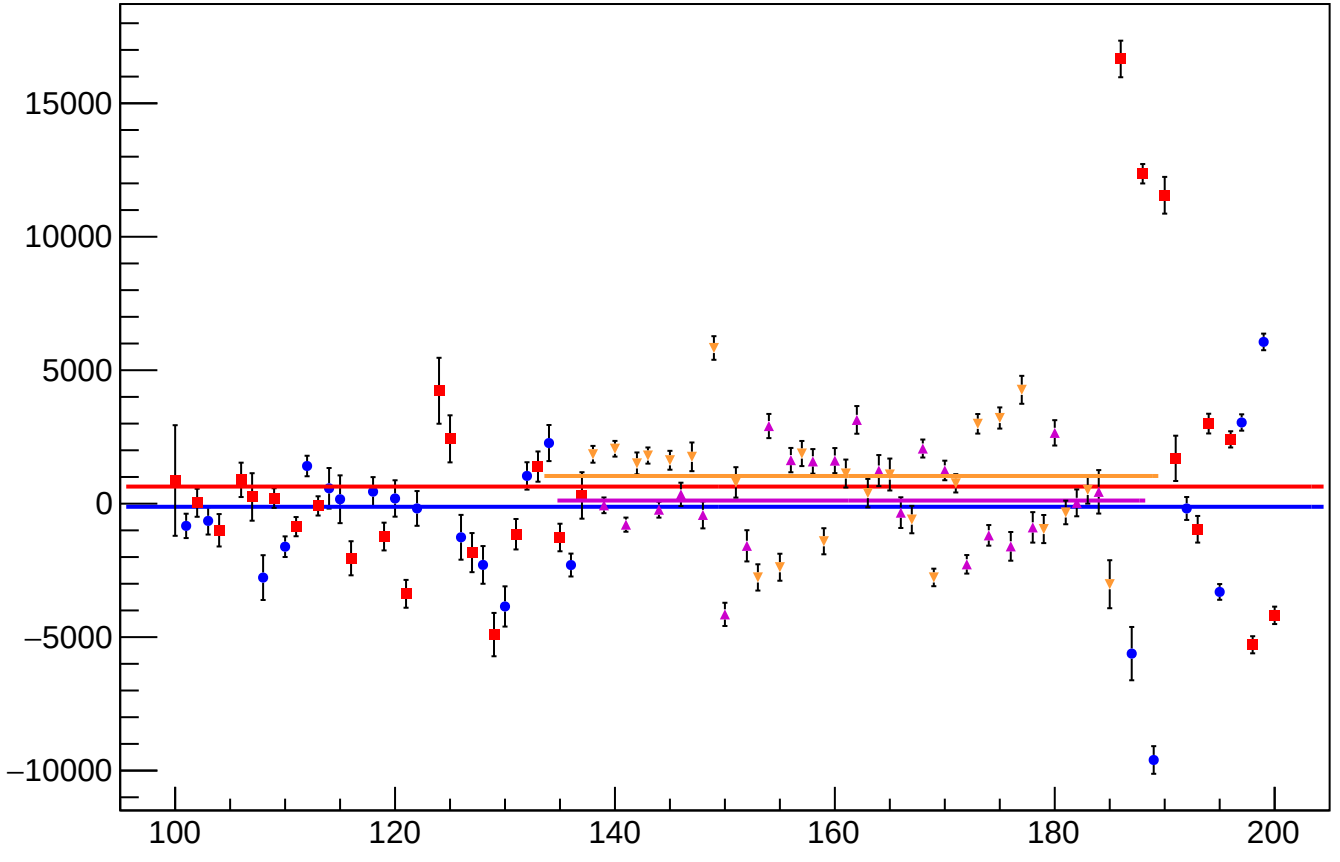
Right: 291.329+/-0.043 χ^2/NDF: 2215555.1/49

In: 287.859+/-0.038 χ^2/NDF:1779742.1/44

Out: 293.774+/-0.037 χ^2/NDF:2193596.6/52

All: 290.901+/-0.027 χ^2/NDF: 3985650.4/97

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -116.753+/-103.333 χ^2/NDF: 1110.6/21

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

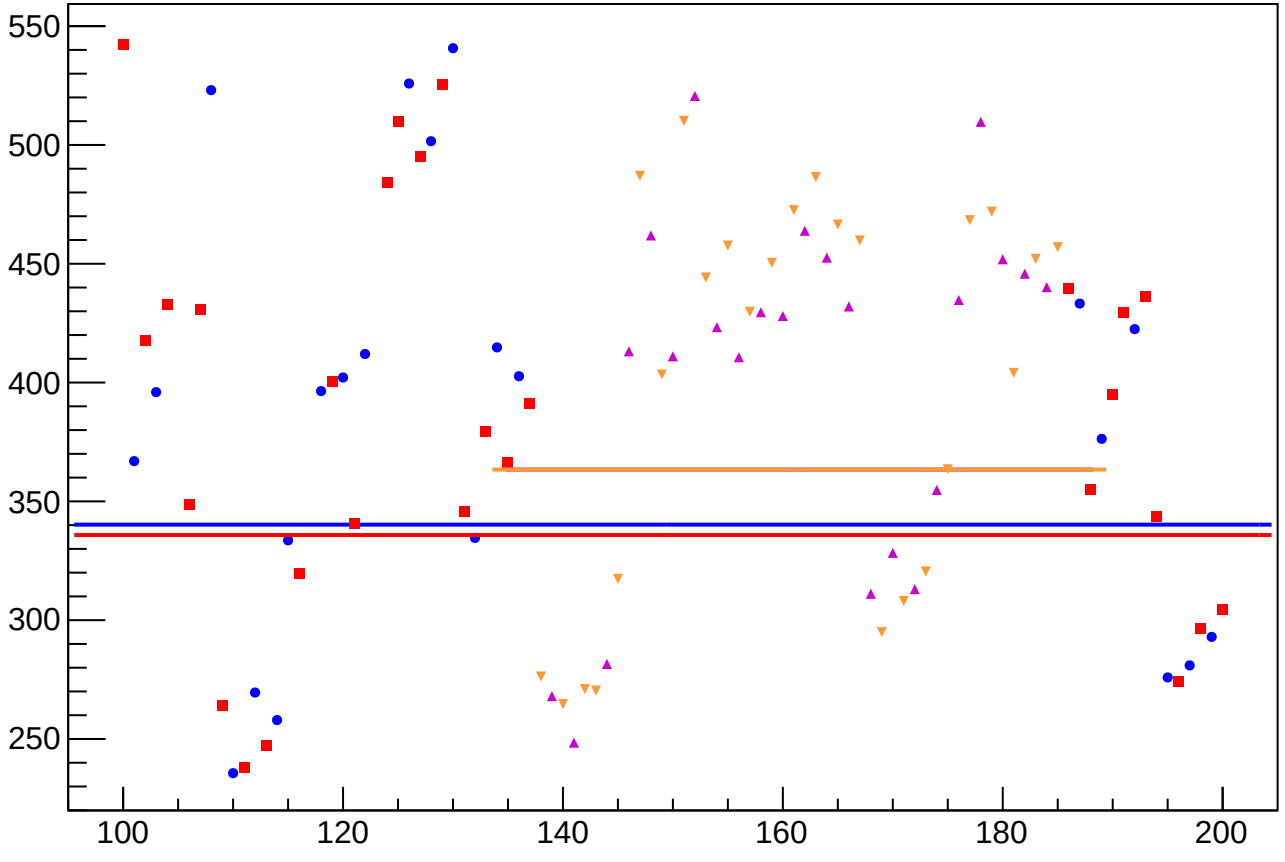
Right: 299.019+/-69.392 χ^2/NDF: 3843.1/49

In: 19.559+/-66.759 χ^2/NDF:1483.9/44

Out: 857.636+/-63.022 χ^2/NDF:3283.1/52

All: 462.707+/-45.827 χ^2/NDF: 4850.4/97

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 340.210+/-0.073 χ^2/NDF: 1152715.5/21

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

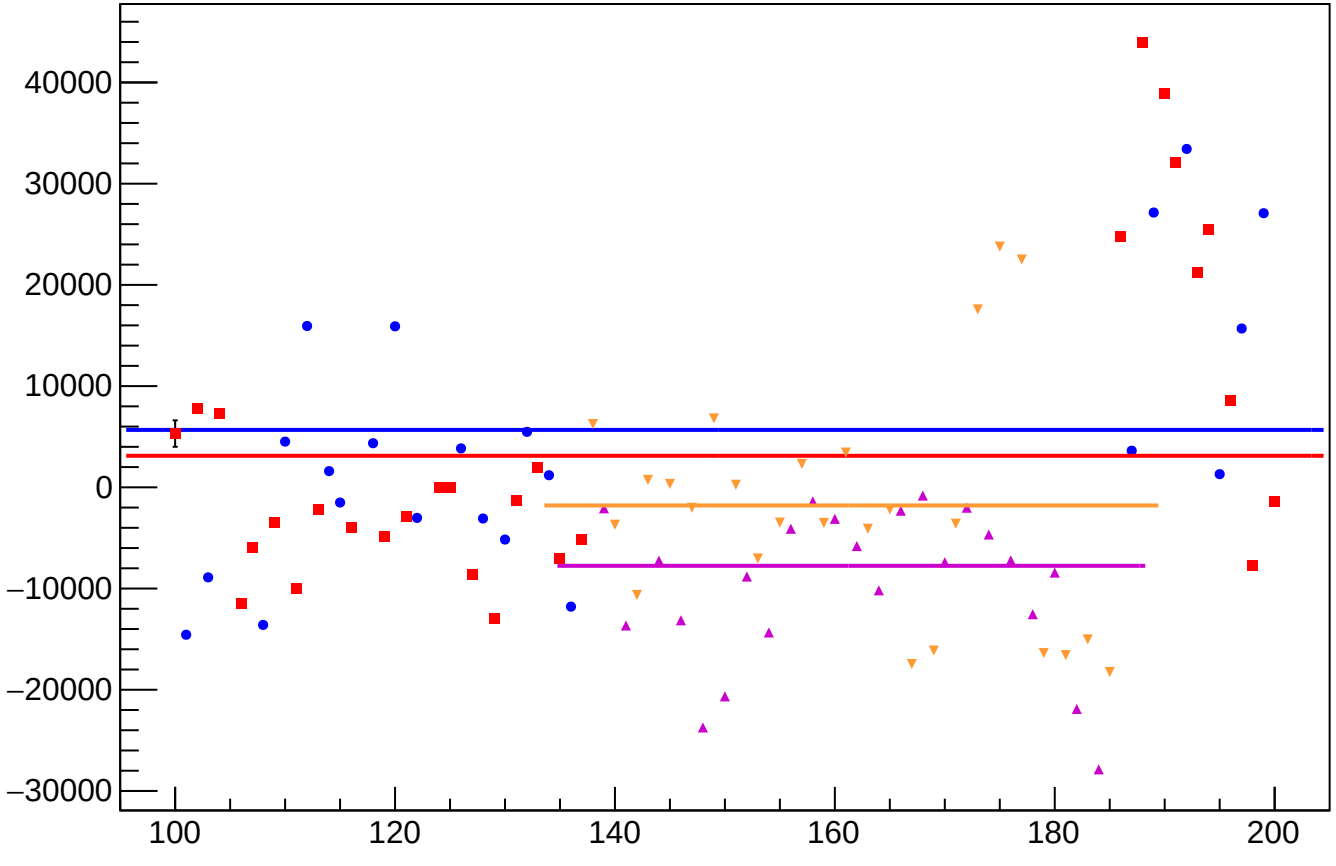
Right: 337.806+/-0.049 χ^2/NDF: 2316475.6/49

In: 353.713+/-0.047 χ^2/NDF:2922930.4/44

Out: 350.908+/-0.045 χ^2/NDF:3197022.6/52

All: 352.230+/-0.032 χ^2/NDF: 6121819.4/97

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

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

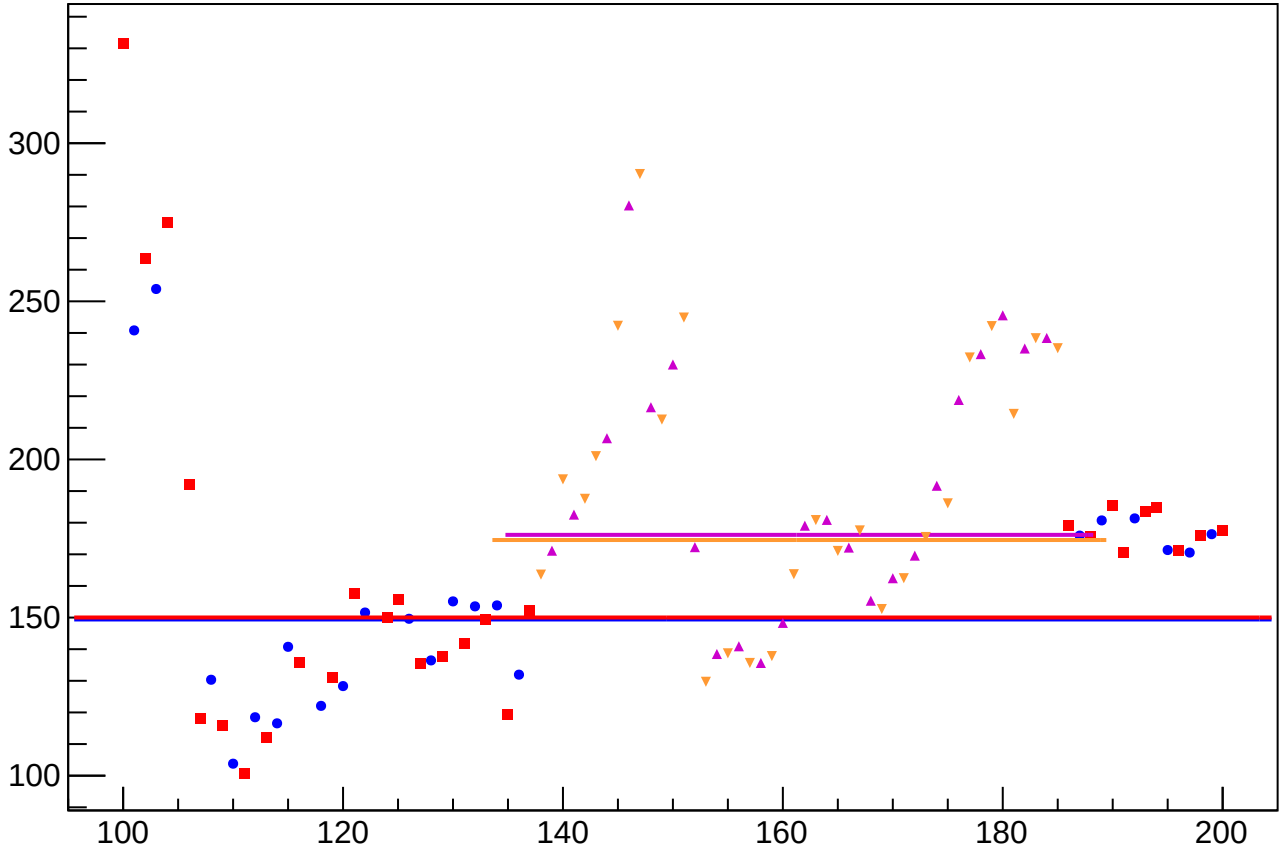
Right: 4292.161+/-30.974 χ^2/NDF: 222837.1/49

In: -1513.670+/-31.144 χ^2/NDF:157677.4/44

Out: 590.931+/-29.353 χ^2/NDF:205713.5/52

All: -399.094+/-21.361 χ^2/NDF: 365809.3/97

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

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

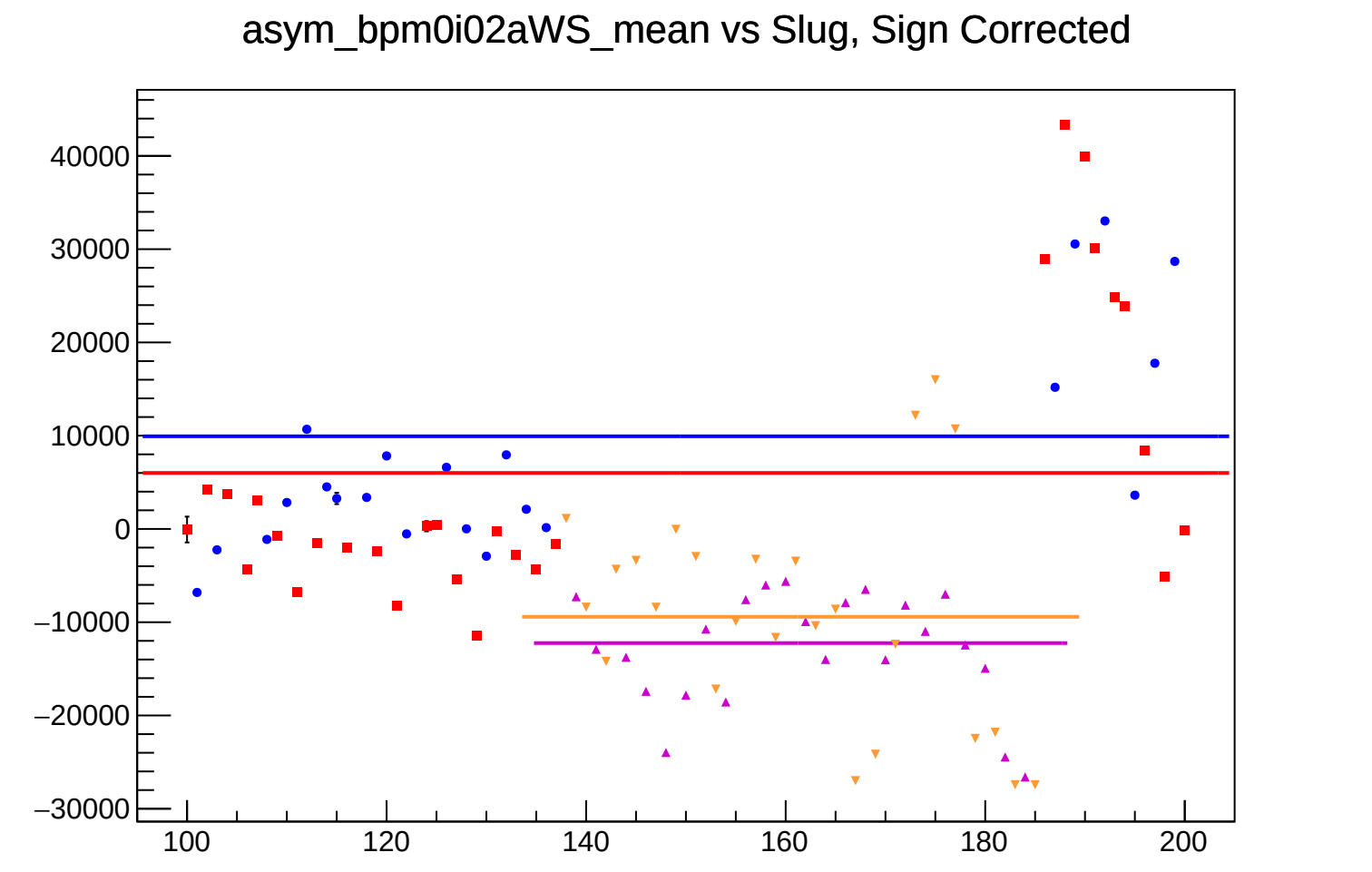
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 149.736+/-0.022 χ^2/NDF: 2296526.0/49

In: 163.718+/-0.022 χ^2/NDF:2665922.6/44

Out: 162.635+/-0.021 χ^2/NDF:3372096.8/52

All: 163.144+/-0.015 χ^2/NDF: 6039302.0/97



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

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

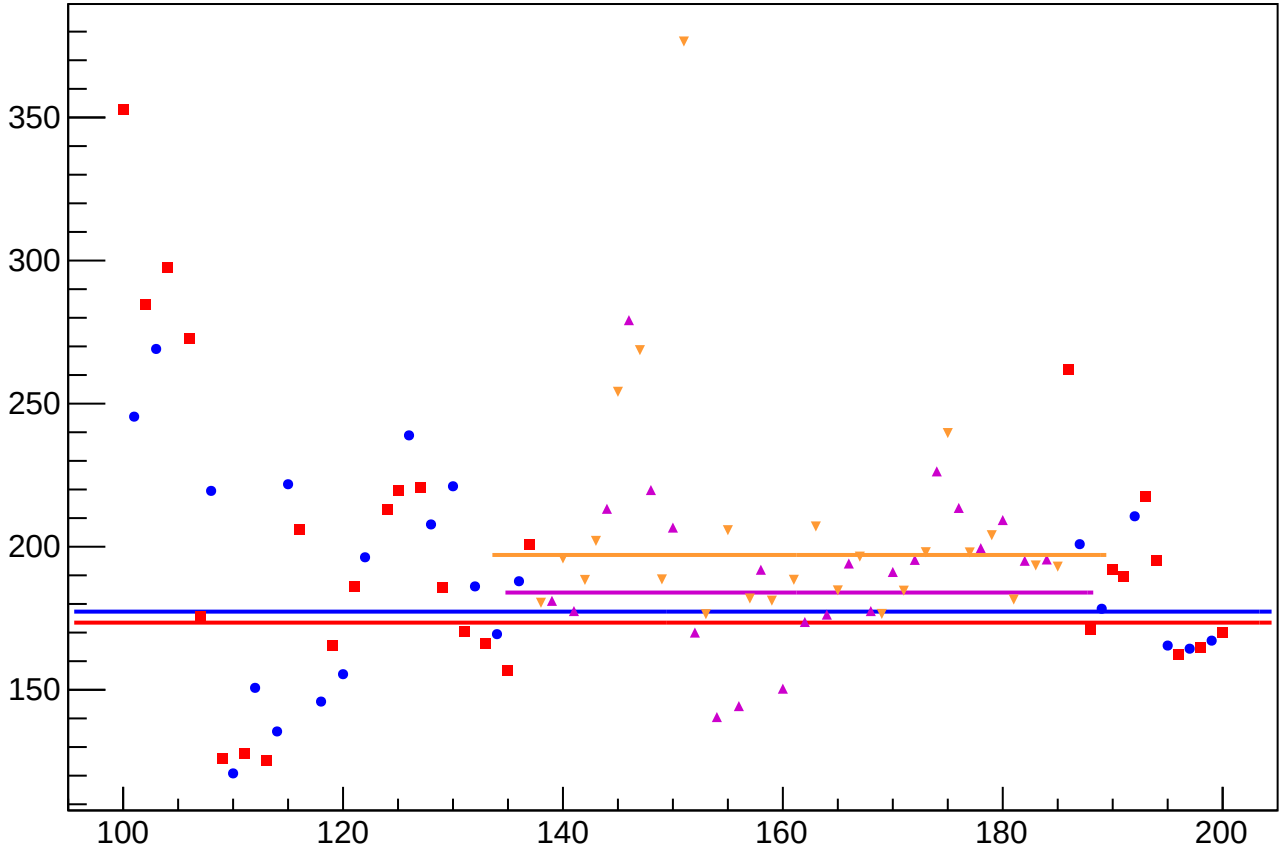
Right: 7771.695+/-36.006 χ^2/NDF: 154410.7/49

In: -3289.841+/-34.132 χ^2/NDF:165706.0/44

Out: -2166.743+/-33.263 χ^2/NDF:221675.8/52

All: -2713.810+/-23.822 χ^2/NDF: 387937.1/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

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

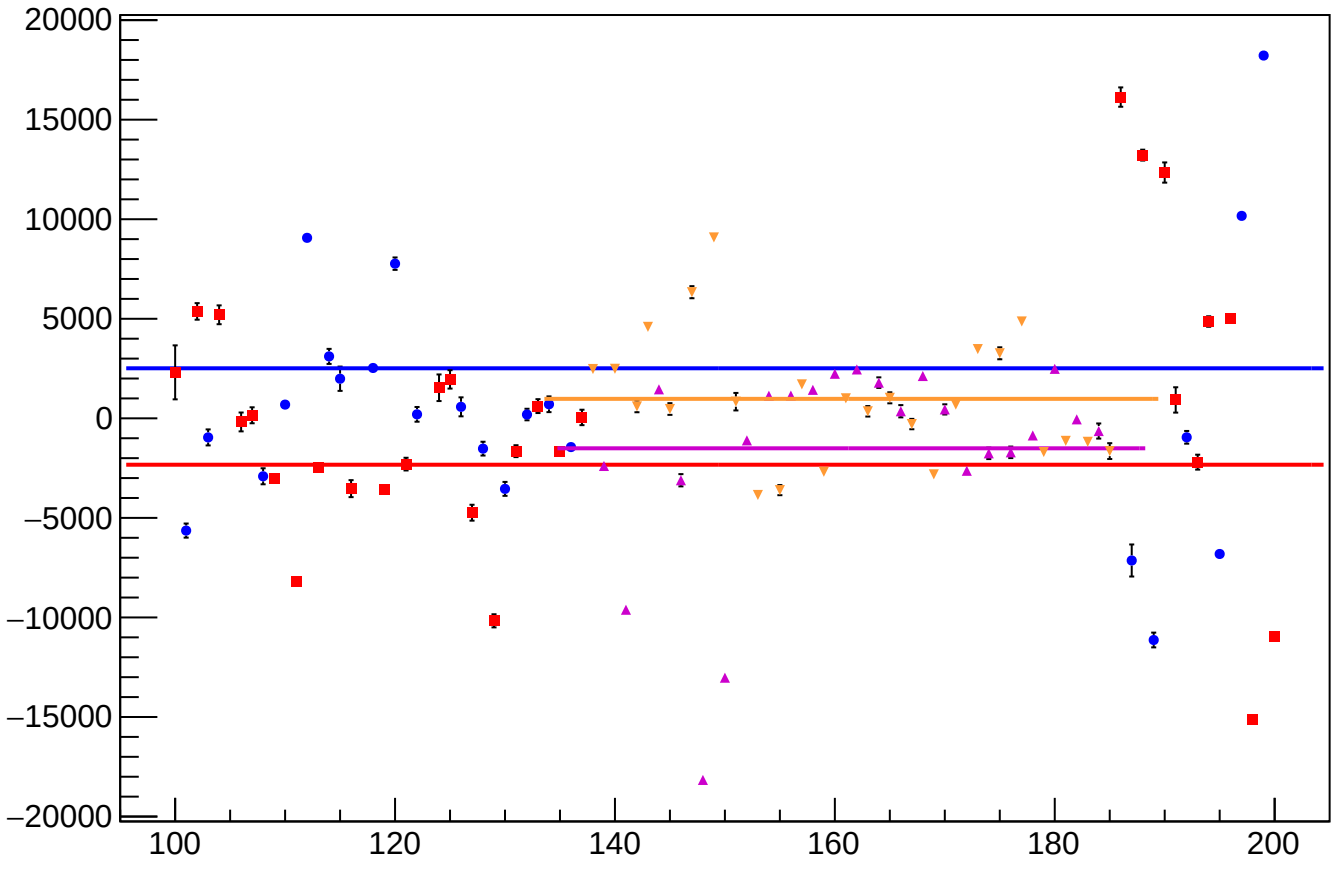
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 175.202+/-0.025 χ^2/NDF: 1953675.9/49

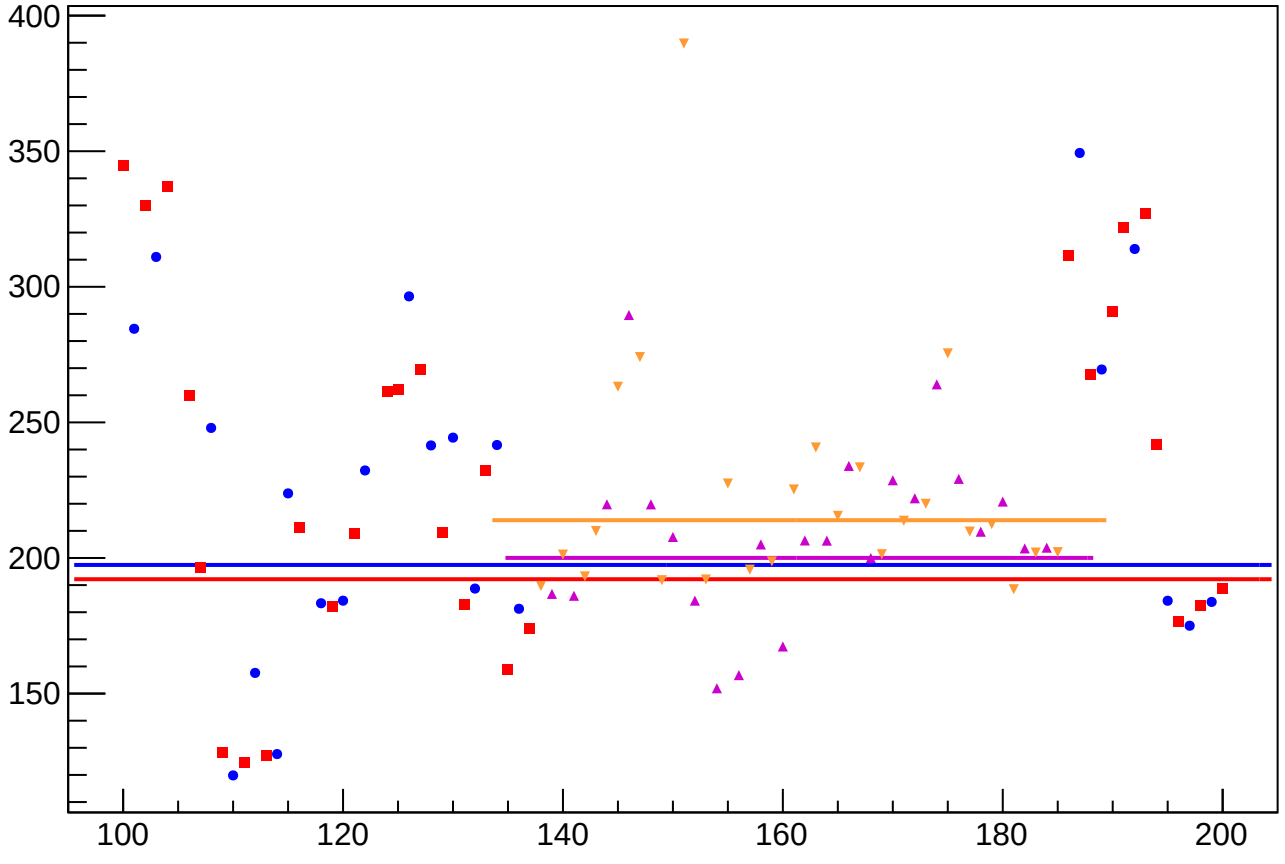
In: 181.296+/-0.024 χ^2/NDF:1602874.3/44

Out: 186.003+/-0.024 χ^2/NDF:2177640.9/52

All: 183.710+/-0.017 χ^2/NDF: 3800024.7/97


asym_bpm0i05WS_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 2513.668+/-60.682 χ²/NDF: 14941.9/21
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -2329.786+/-54.964 χ²/NDF: 16208.1/27
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -146.956+/-40.737 χ²/NDF: 34649.6/49
In: 43.655+/-37.671 χ²/NDF:29118.2/44
Out: -506.645+/-36.826 χ²/NDF:22527.5/52
All: -237.734+/-26.333 χ²/NDF: 51754.8/97

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

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

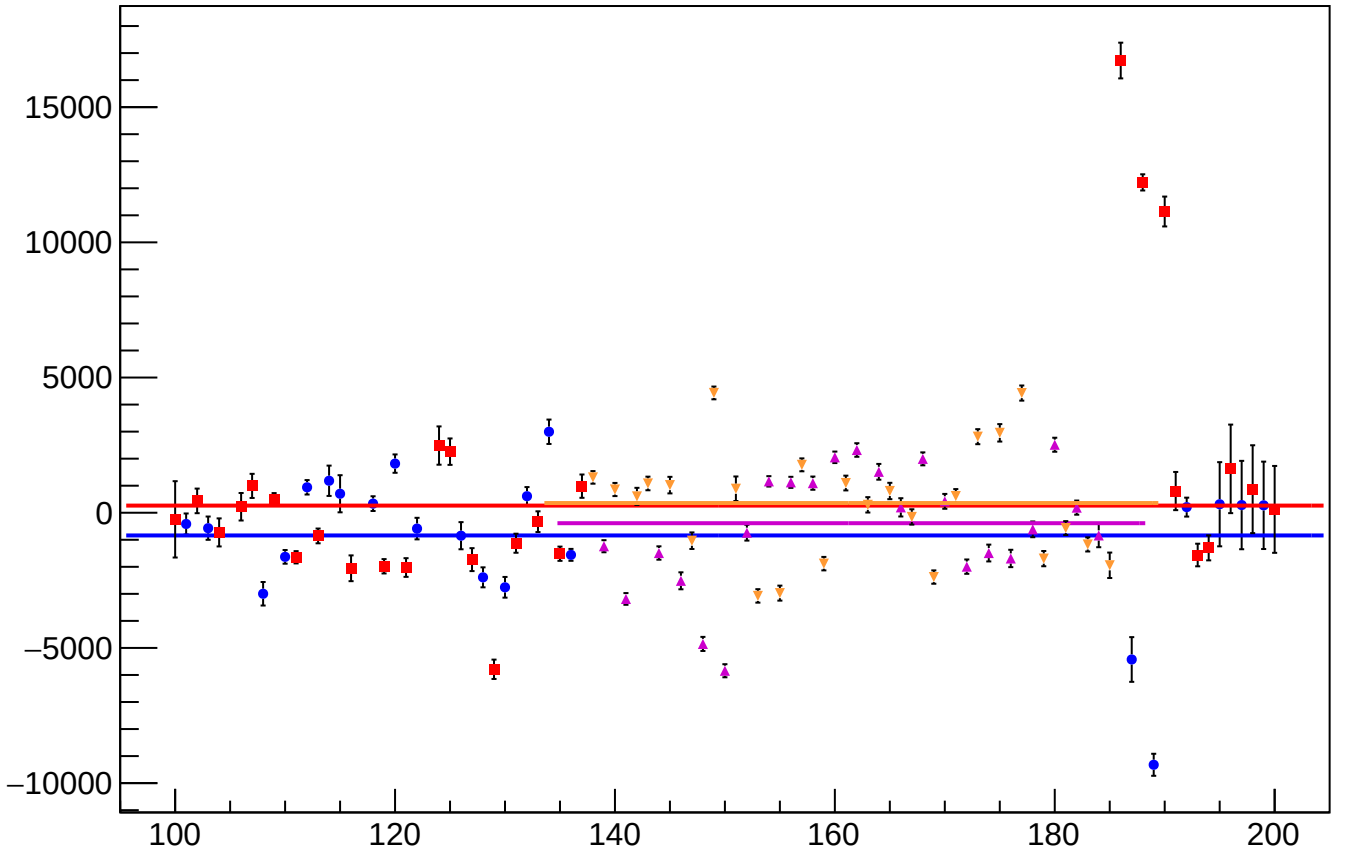
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.543+/-0.029 χ^2/NDF: 3671277.0/49

In: 199.030+/-0.027 χ^2/NDF:2217158.0/44

Out: 204.163+/-0.026 χ^2/NDF:3140011.2/52

All: 201.655+/-0.019 χ^2/NDF: 5376159.4/97



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

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

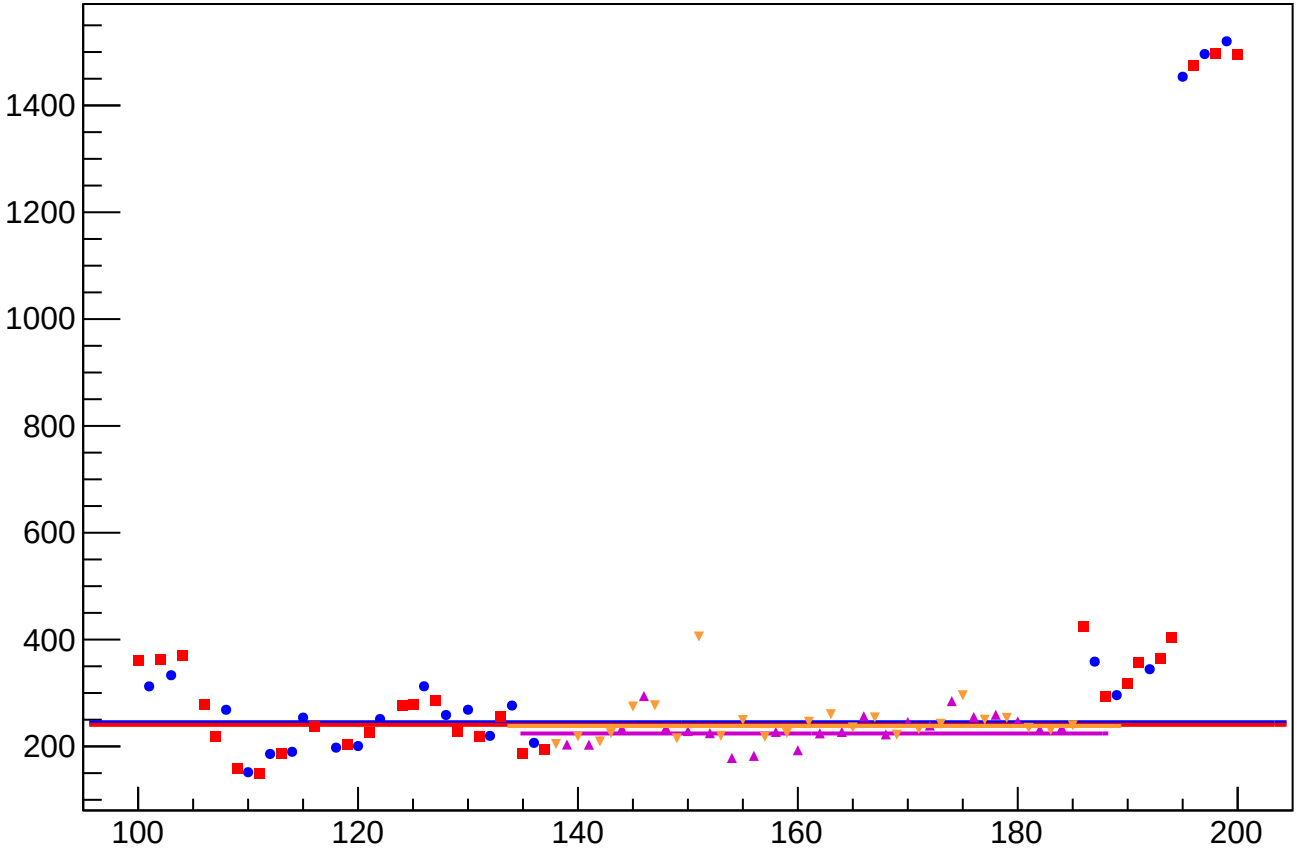
Right: -233.151+/-54.818 χ^2/NDF: 4167.1/49

In: -523.035+/-44.770 χ^2/NDF:2623.4/44

Out: 325.033+/-44.127 χ^2/NDF:4688.8/52

All: -92.866+/-31.428 χ^2/NDF: 7494.3/97

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

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

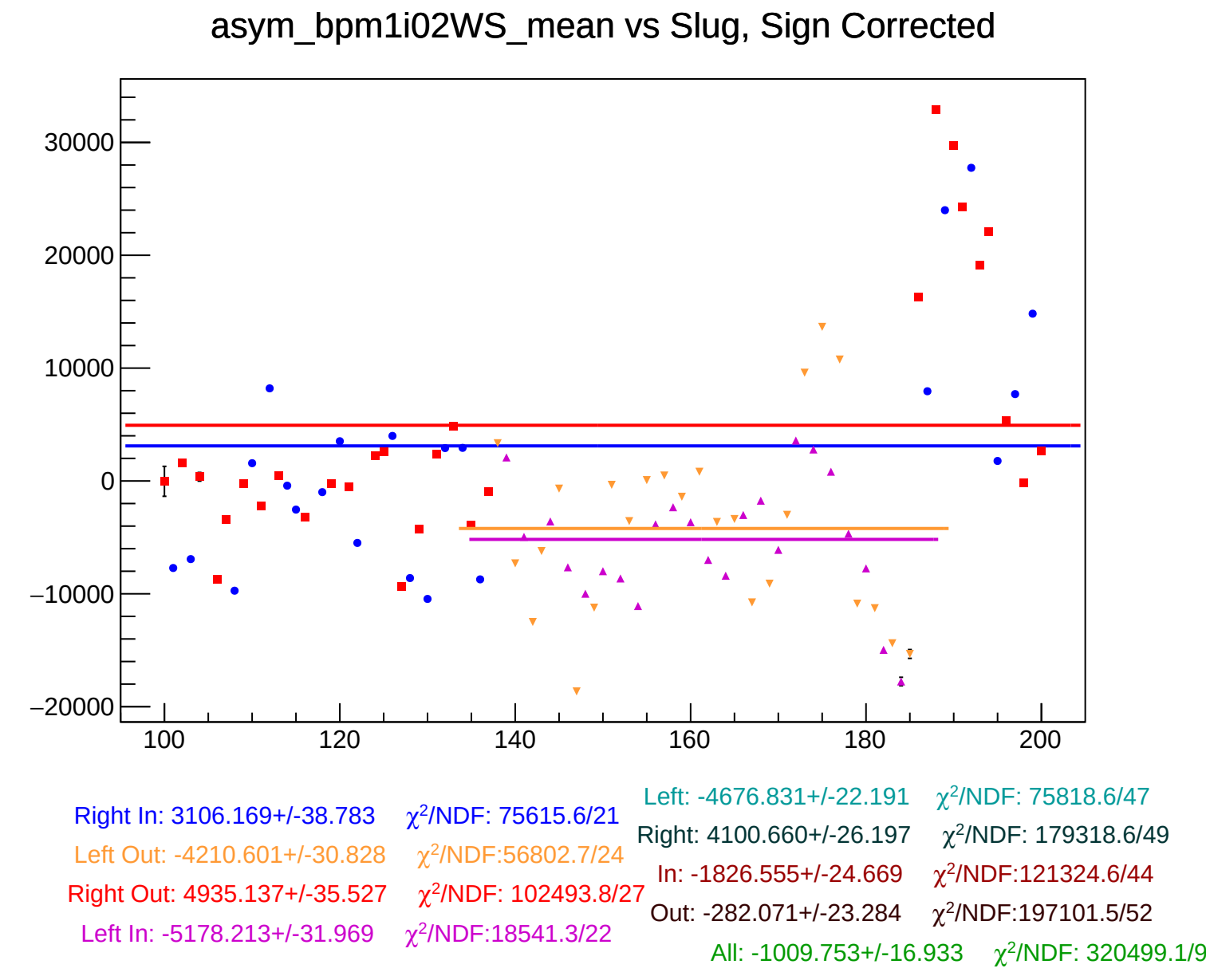
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 242.576+/-0.039 χ^2/NDF: 10098344.6/49

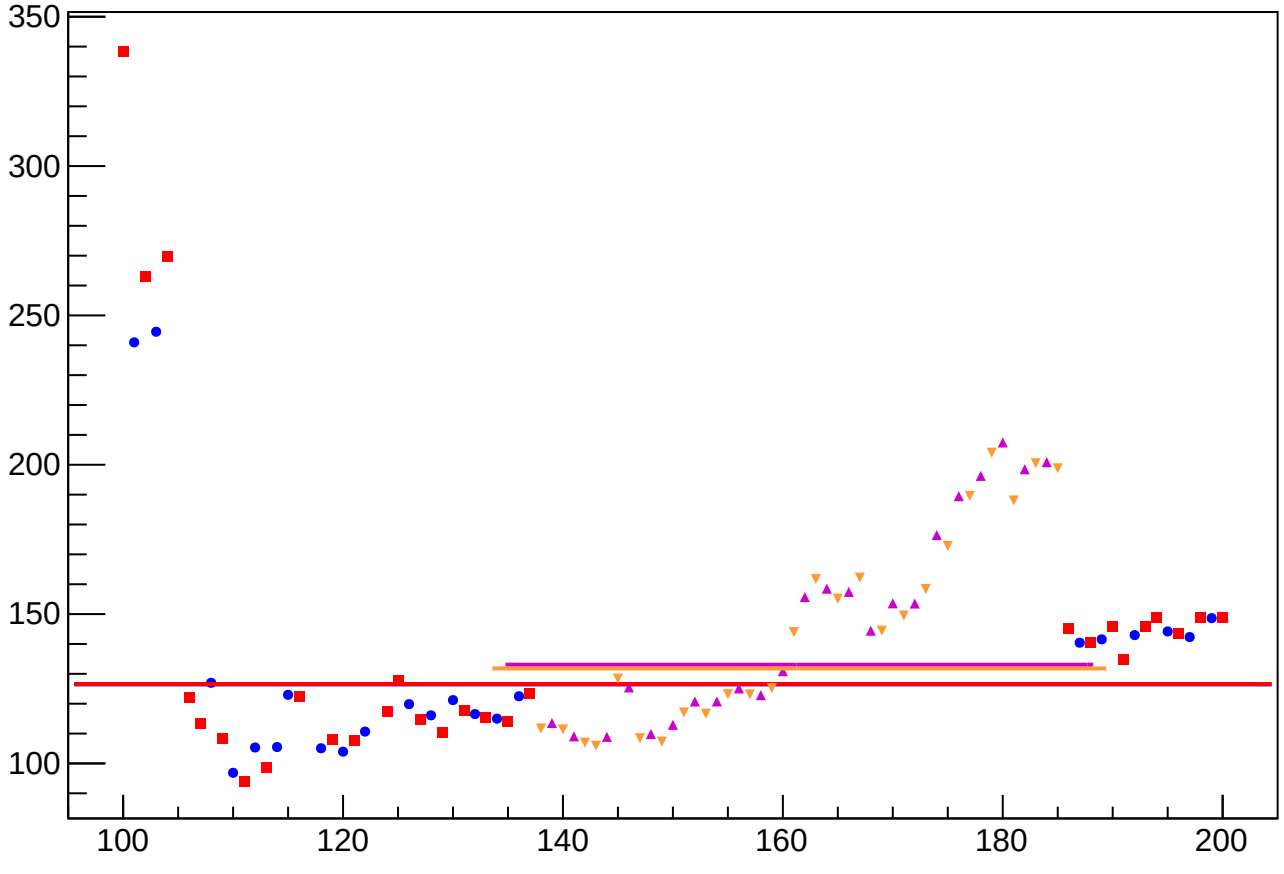
In: 230.534+/-0.032 χ^2/NDF:5273923.5/44

Out: 238.977+/-0.031 χ^2/NDF:6045646.4/52

All: 234.816+/-0.022 χ^2/NDF: 11355650.0/97


asym_bpm1i02WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 3106.169+/-38.783 χ²/NDF: 75615.6/21
Left Out: -4210.601+/-30.828 χ²/NDF:56802.7/24
Right Out: 4935.137+/-35.527 χ²/NDF: 102493.8/27
Left In: -5178.213+/-31.969 χ²/NDF:18541.3/22
Left: -4676.831+/-22.191 χ²/NDF: 75818.6/47
Right: 4100.660+/-26.197 χ²/NDF: 179318.6/49
In: -1826.555+/-24.669 χ²/NDF:121324.6/44
Out: -282.071+/-23.284 χ²/NDF:197101.5/52
All: -1009.753+/-16.933 χ²/NDF: 320499.1/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

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

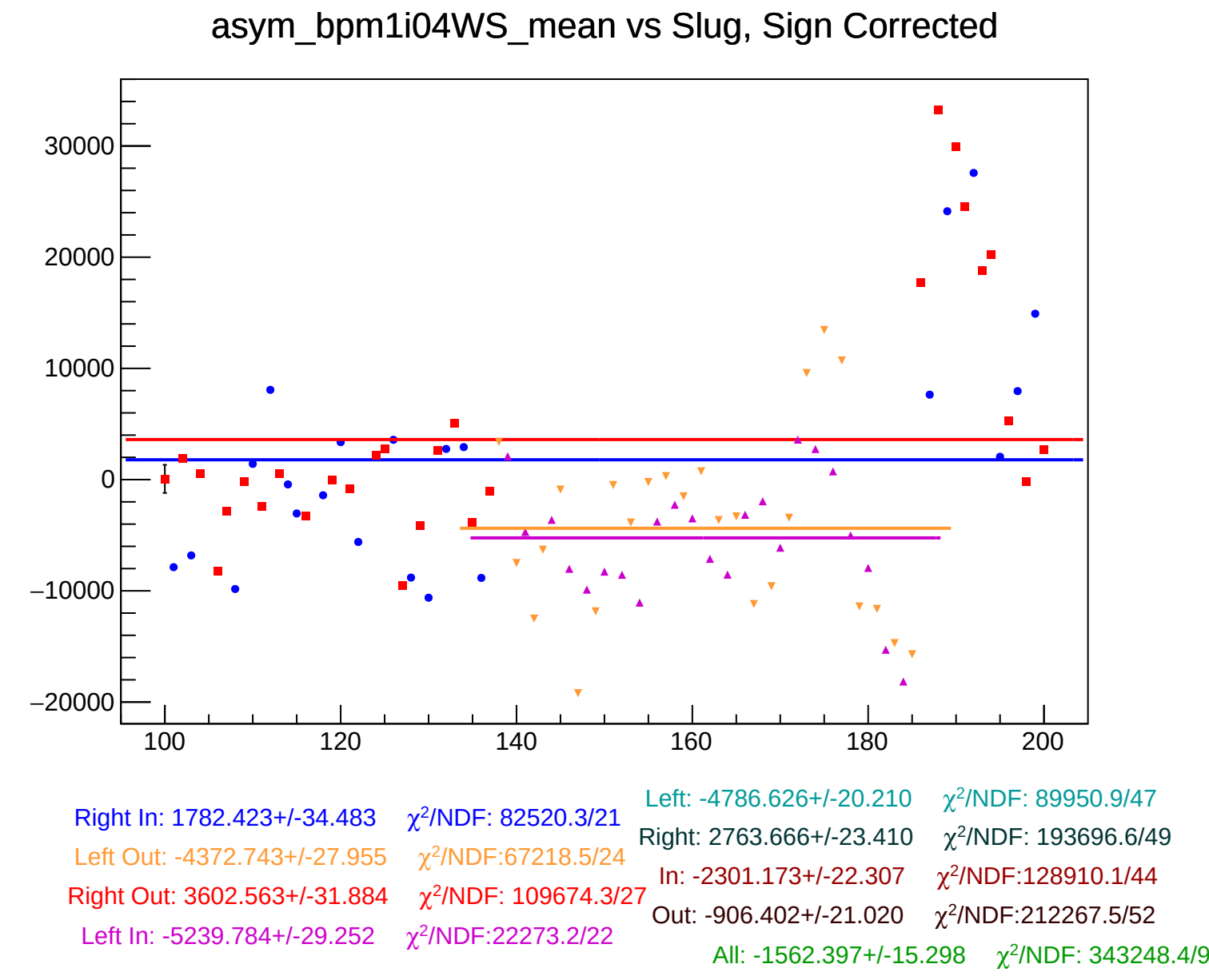
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 126.528+/-0.019 χ^2/NDF: 2114822.4/49

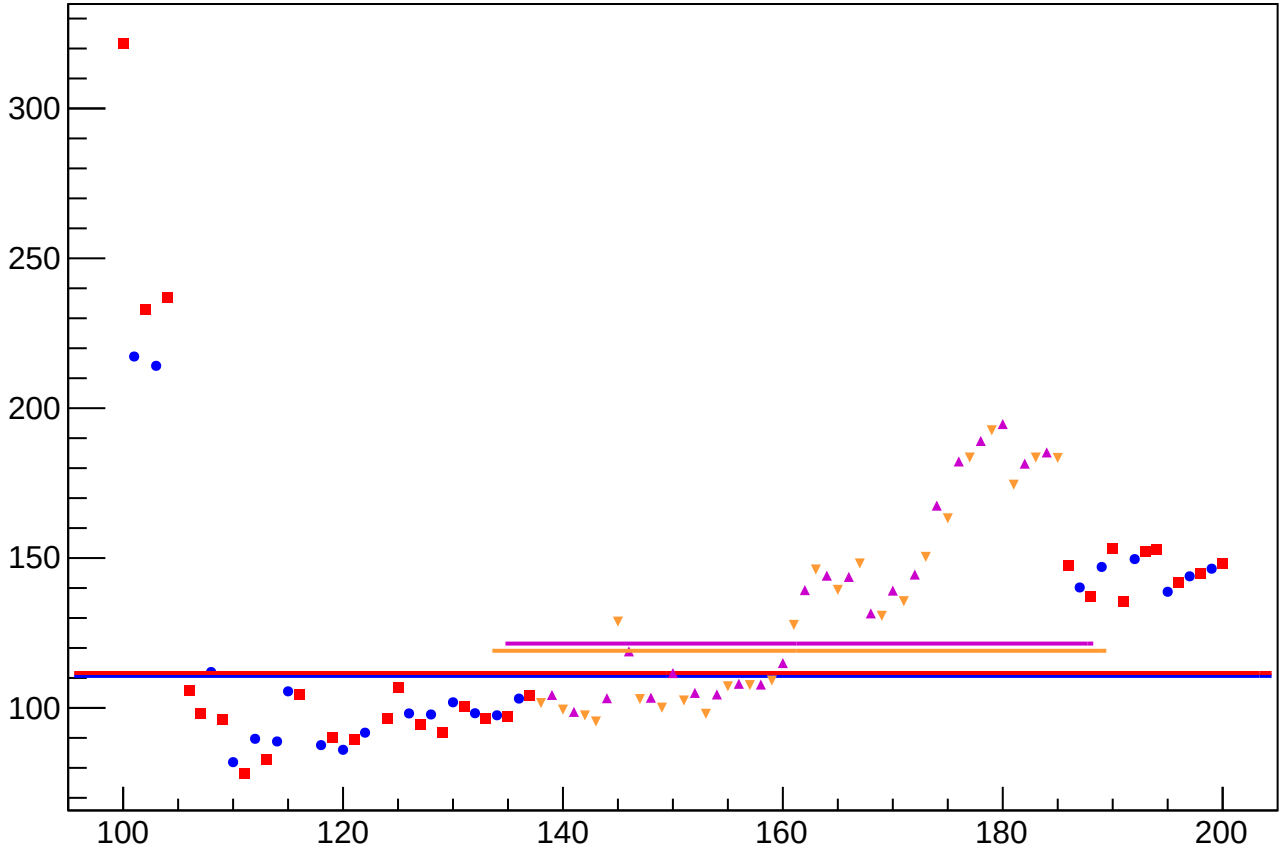
In: 130.392+/-0.017 χ^2/NDF:2371872.3/44

Out: 129.557+/-0.016 χ^2/NDF:2764593.1/52

All: 129.950+/-0.012 χ^2/NDF: 5137675.9/97


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1782.423+/-34.483 χ²/NDF: 82520.3/21
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3602.563+/-31.884 χ²/NDF: 109674.3/27
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 2763.666+/-23.410 χ²/NDF: 193696.6/49
In: -2301.173+/-22.307 χ²/NDF:128910.1/44
Out: -906.402+/-21.020 χ²/NDF:212267.5/52
All: -1562.397+/-15.298 χ²/NDF: 343248.4/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 110.686+/-0.024 χ^2/NDF: 1439371.6/21

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

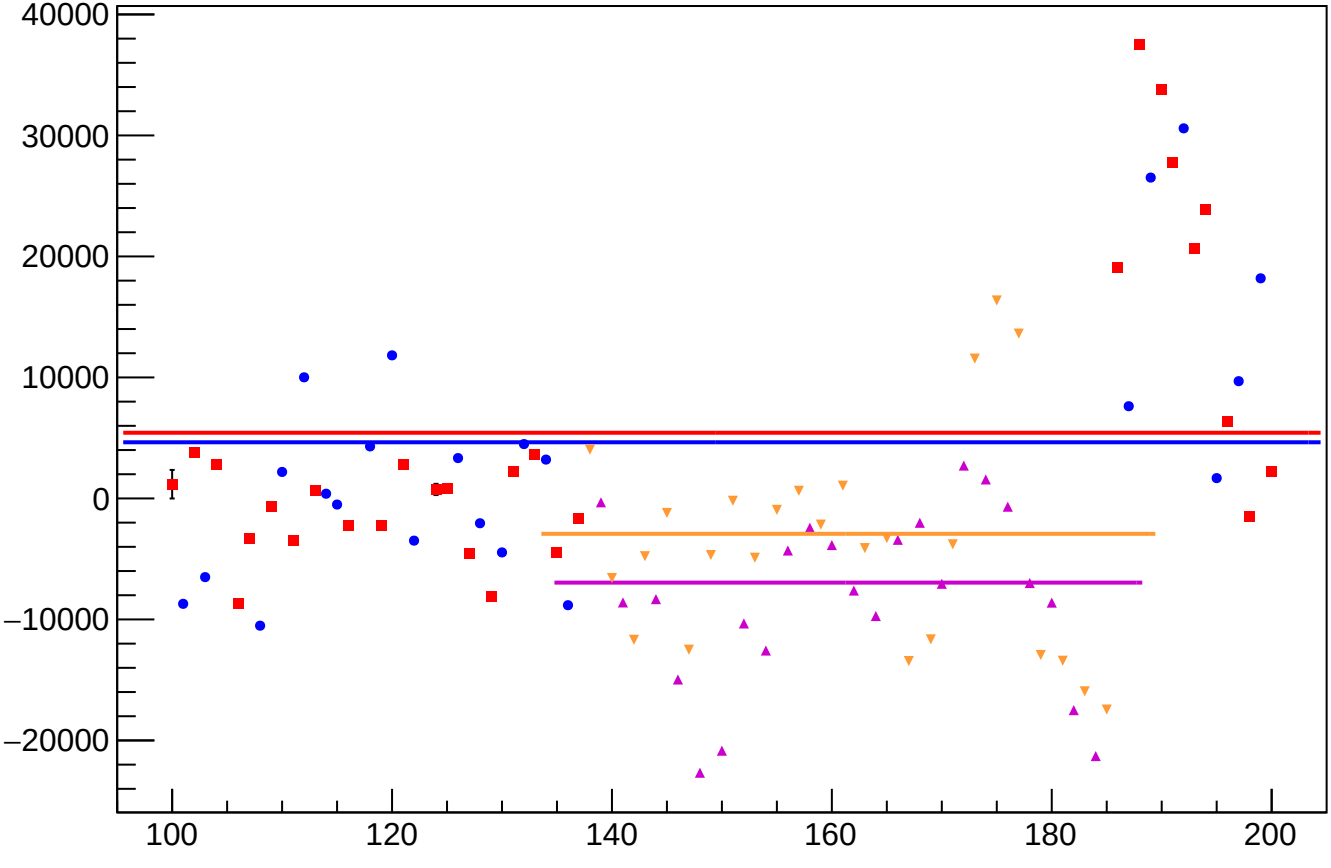
Right: 111.208+/-0.017 χ^2/NDF: 3338006.1/49

In: 116.956+/-0.016 χ^2/NDF:3082460.3/44

Out: 115.844+/-0.015 χ^2/NDF:3714276.9/52

All: 116.367+/-0.011 χ^2/NDF: 6799370.0/97

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4640.829+/-45.388 χ^2/NDF: 60368.6/21

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

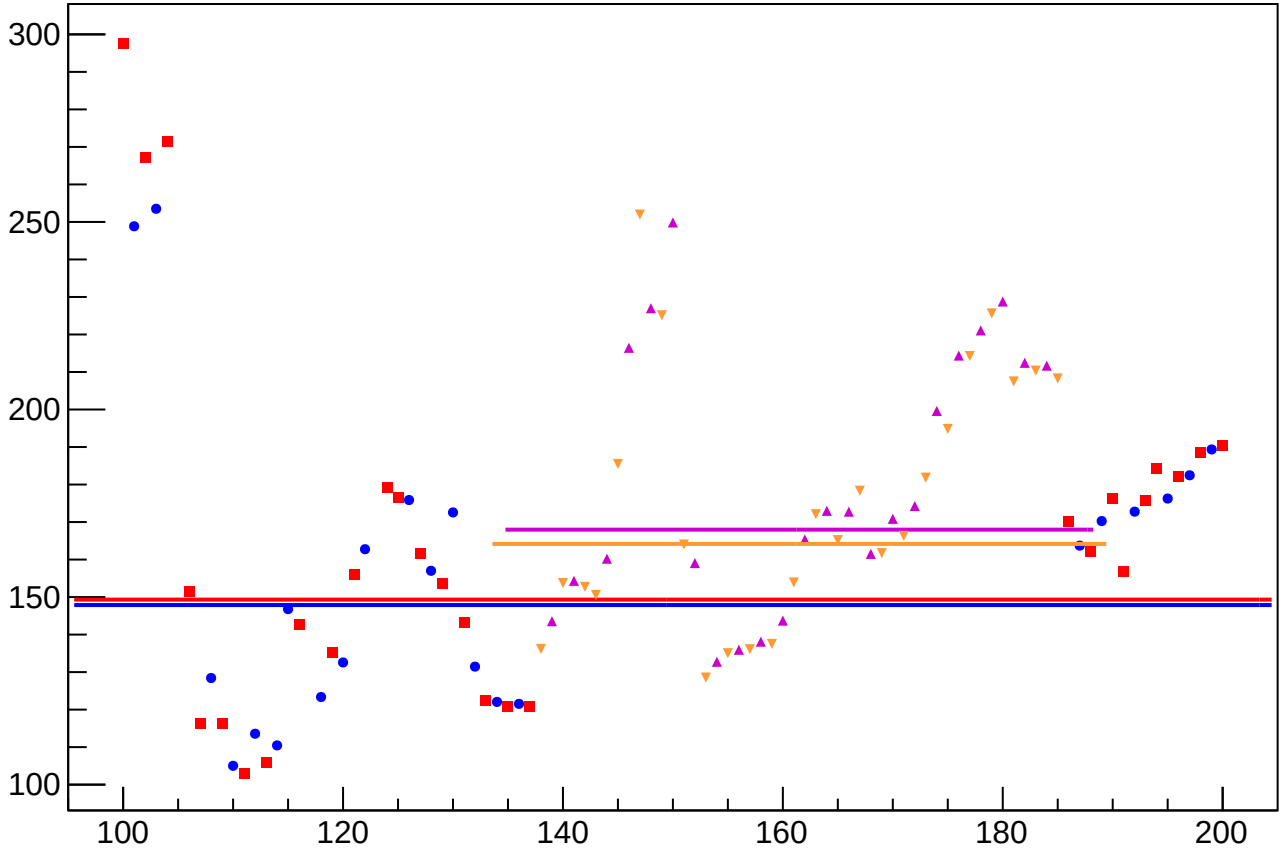
Right: 5065.391+/-30.832 χ^2/NDF: 152460.6/49

In: -1852.045+/-30.112 χ^2/NDF:119261.2/44

Out: 855.315+/-28.257 χ^2/NDF:151625.2/52

All: -412.411+/-20.606 χ^2/NDF: 275184.8/97

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 147.877+/-0.032 χ^2/NDF: 1142069.2/21

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

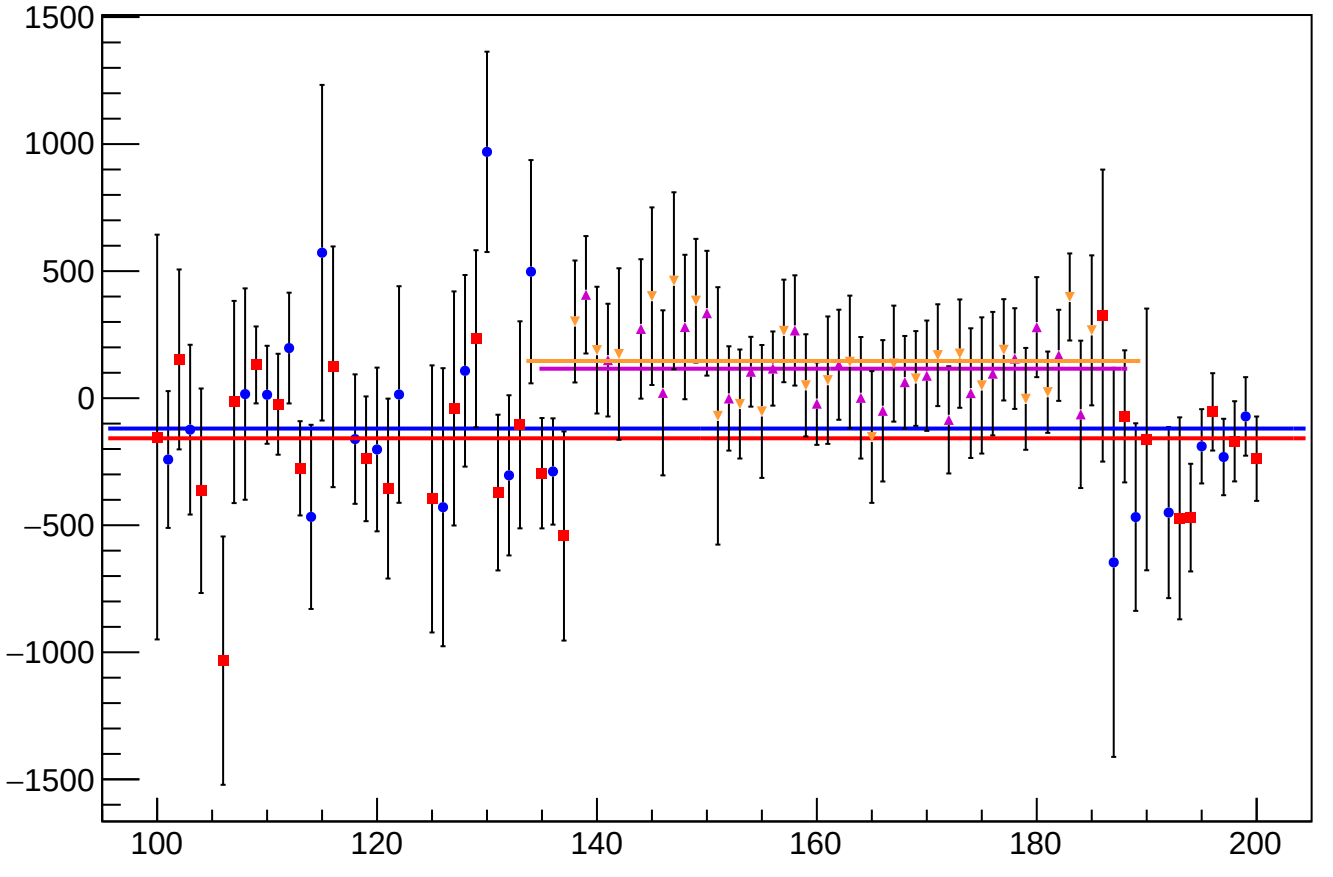
Right: 148.656+/-0.022 χ^2/NDF: 2572640.0/49

In: 159.129+/-0.021 χ^2/NDF:2584357.8/44

Out: 157.455+/-0.020 χ^2/NDF:2790708.8/52

All: 158.239+/-0.015 χ^2/NDF: 5378353.6/97

asym_bcm_2an_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -119.500+/-55.674 χ^2/NDF: 19.6/21

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

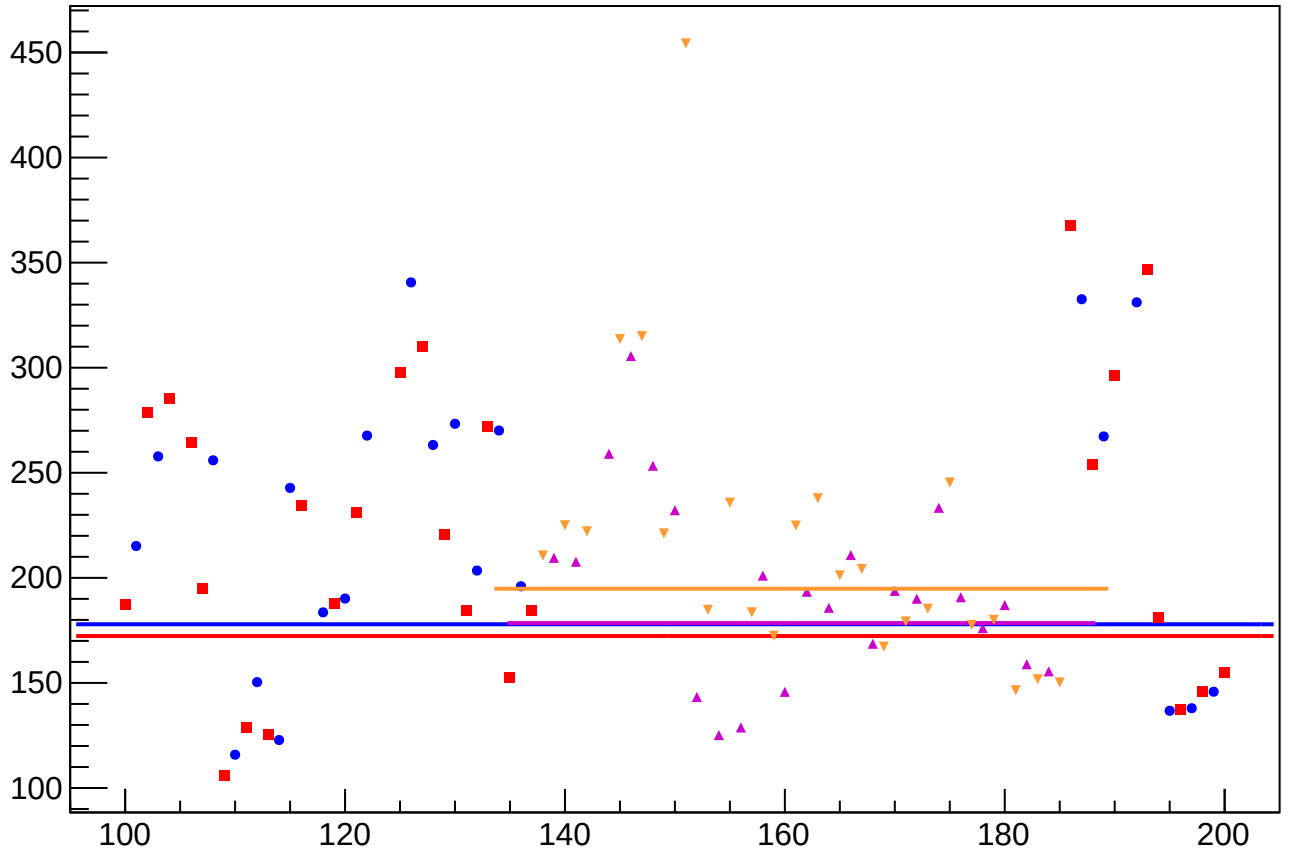
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -140.351+/-37.633 χ^2/NDF: 37.1/47

In: 26.447+/-34.329 χ^2/NDF:38.3/44

Out: 7.051+/-34.554 χ^2/NDF:46.5/49

All: 16.812+/-24.353 χ^2/NDF: 84.9/94



Right In: 177.917+/-0.039 χ^2/NDF: 2131561.7/21

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

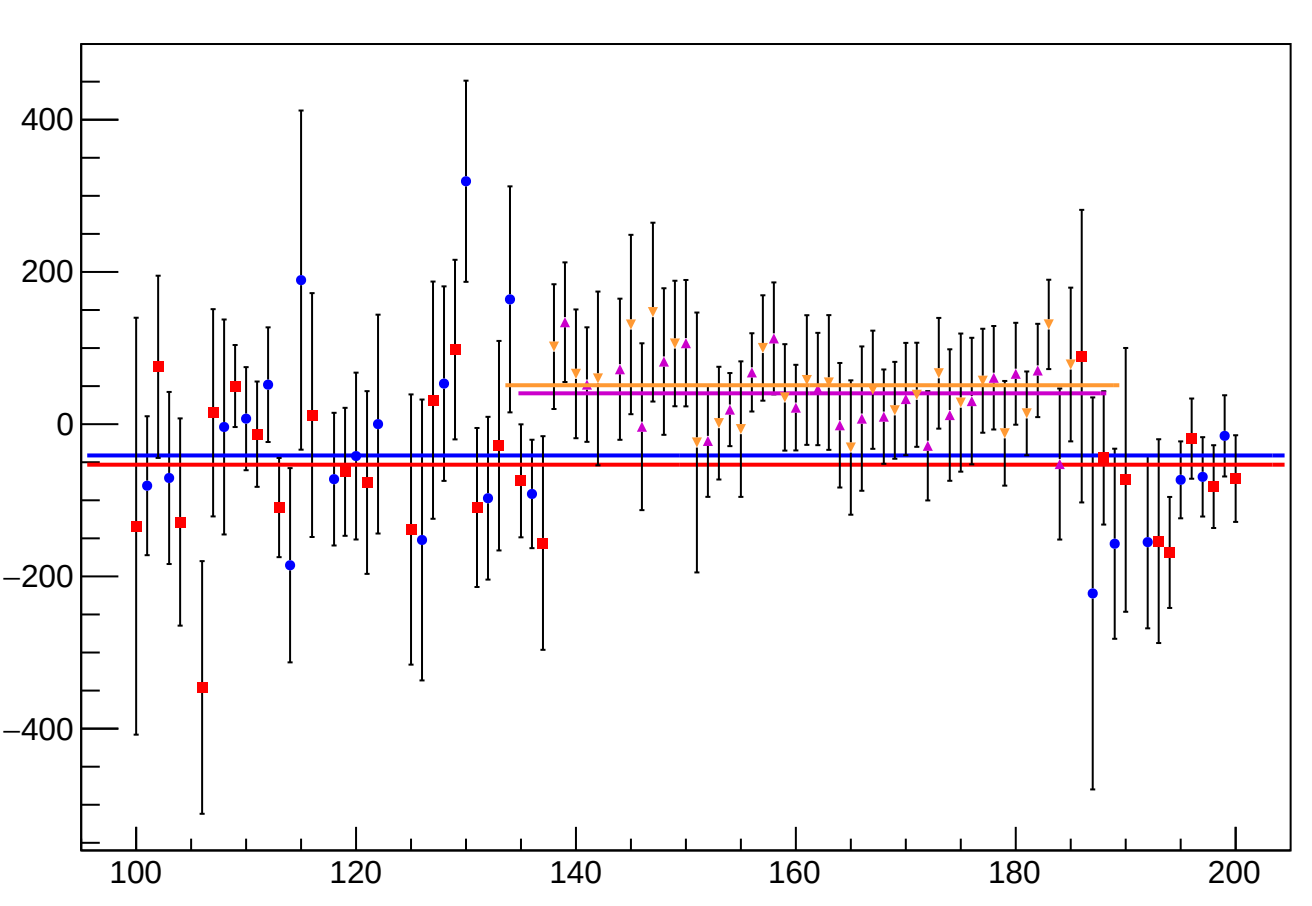
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

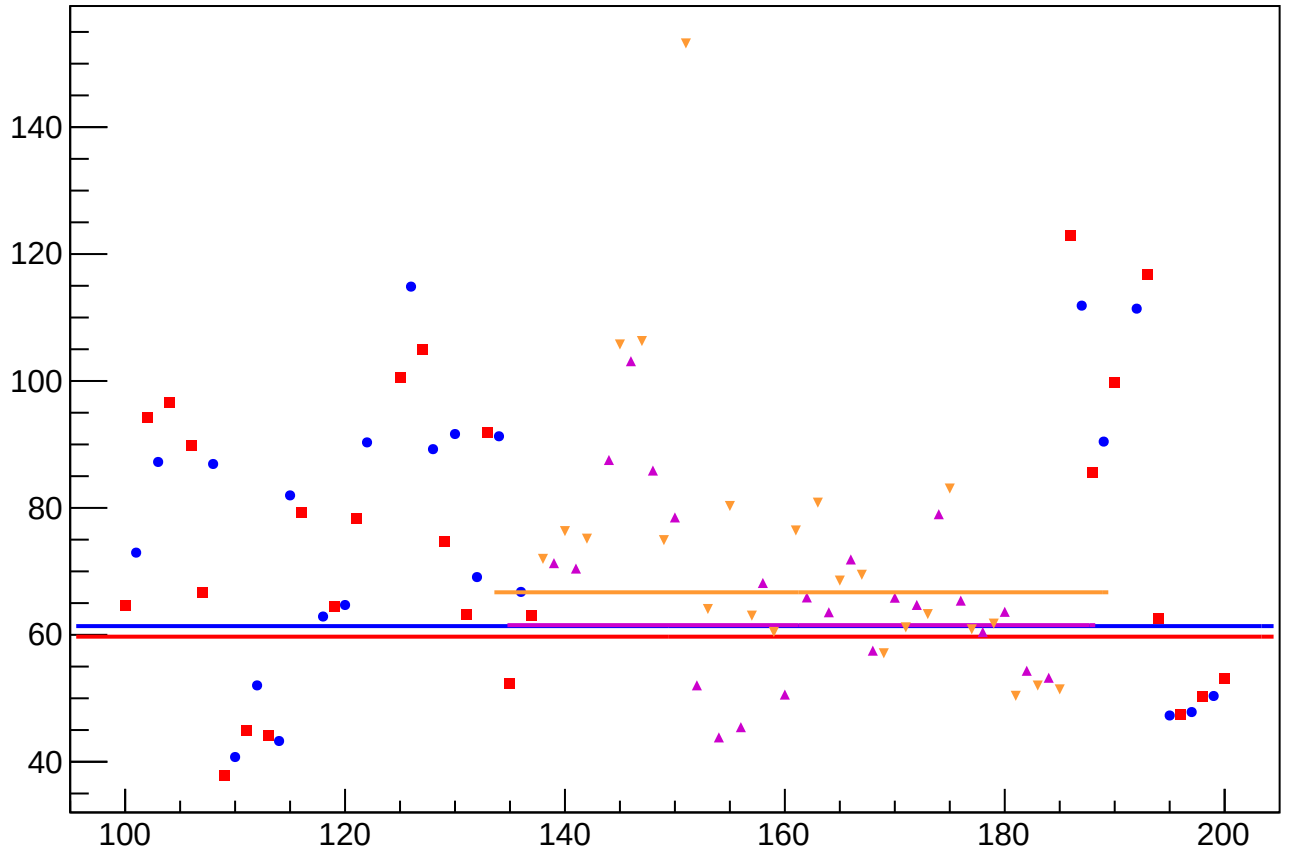
Right: 174.875+/-0.027 χ^2/NDF: 4853843.5/47

In: 178.263+/-0.024 χ^2/NDF:3807952.7/44

Out: 184.520+/-0.024 χ^2/NDF:4674512.1/49

All: 181.371+/-0.017 χ^2/NDF: 8515469.1/94


asym_bcm_2an_us_an_ds_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
200
Right In: -41.090+/-19.128 χ²/NDF: 19.2/21
Left Out: 51.161+/-16.037 χ²/NDF:8.1/23
Right Out: -53.232+/-17.599 χ²/NDF: 17.4/25
Left In: 40.540+/-14.978 χ²/NDF:7.9/22
Left: 45.488+/-10.946 χ²/NDF: 16.2/46
Right: -47.666+/-12.951 χ²/NDF: 36.9/47
In: 9.513+/-11.793 χ²/NDF:38.4/44
Out: 3.800+/-11.854 χ²/NDF:44.8/49
All: 6.671+/-8.360 χ²/NDF: 83.3/94



Right In: 61.375+/-0.014 χ^2/NDF: 1981548.7/21

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

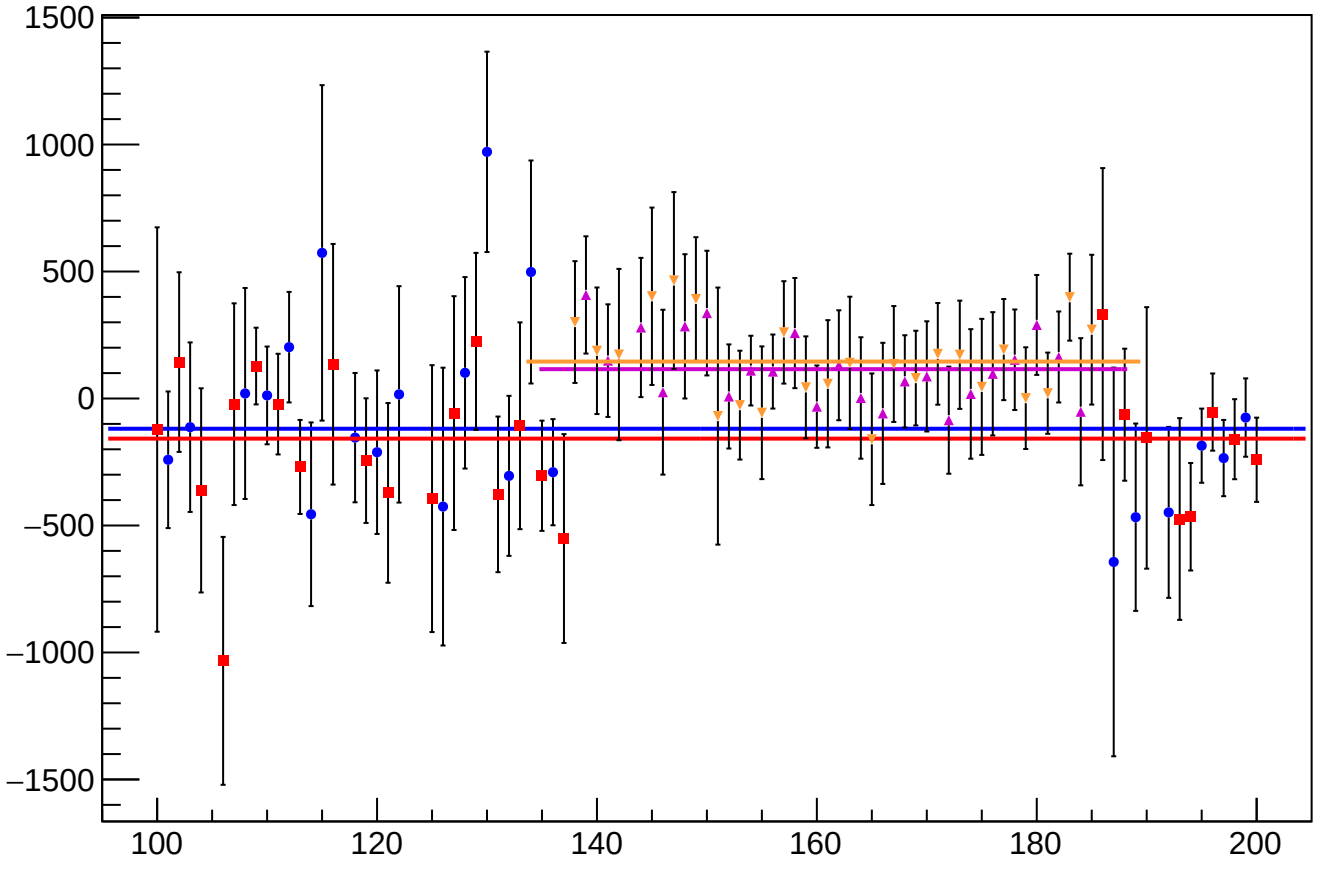
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 60.474+/-0.009 χ^2/NDF: 4492985.8/47

In: 61.470+/-0.008 χ^2/NDF:3471476.9/44

Out: 63.531+/-0.008 χ^2/NDF:4352008.5/49

All: 62.496+/-0.006 χ^2/NDF: 7853867.6/94



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

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

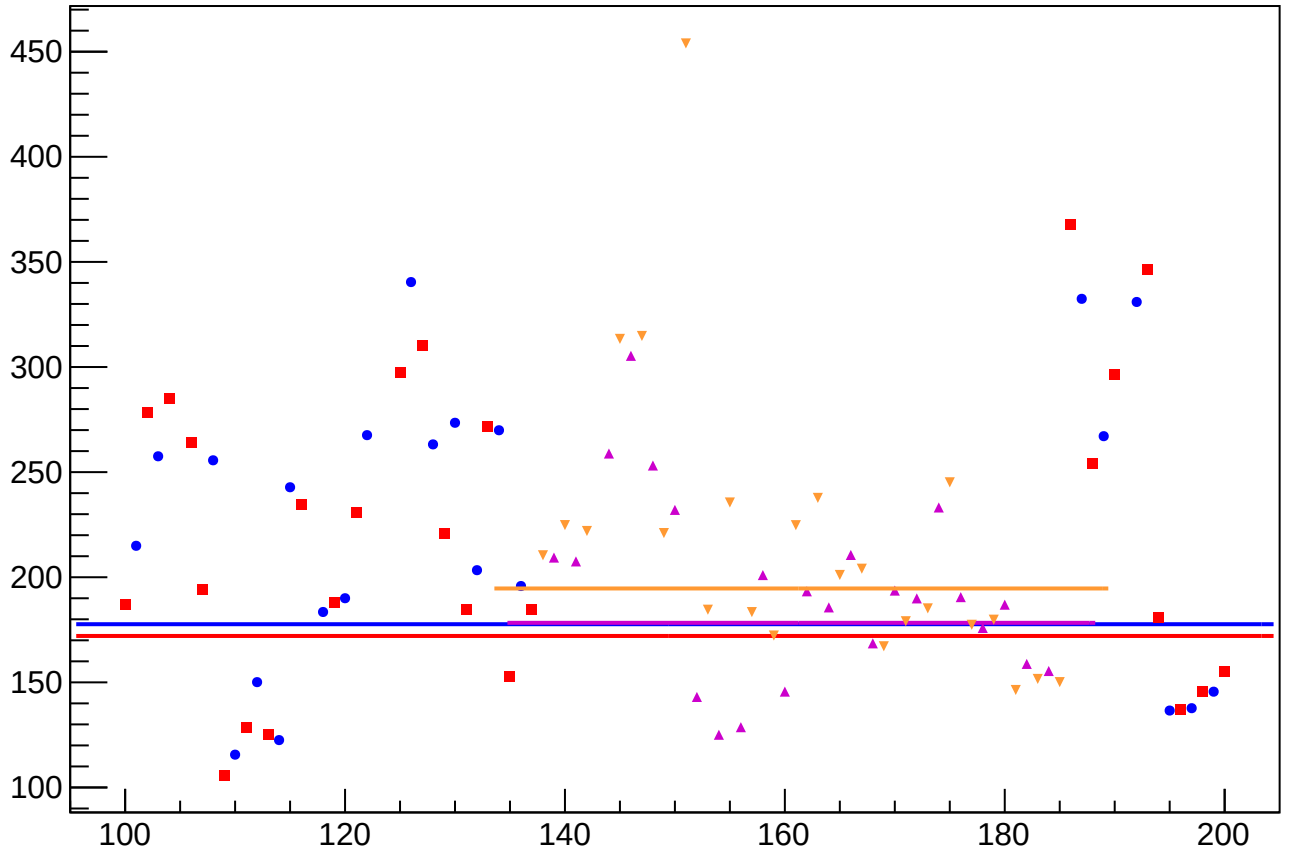
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -140.189+/-37.586 χ^2/NDF: 37.2/47

In: 26.268+/-34.294 χ^2/NDF:38.4/44

Out: 6.481+/-34.518 χ^2/NDF:46.7/49

All: 16.439+/-24.329 χ^2/NDF: 85.3/94



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

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

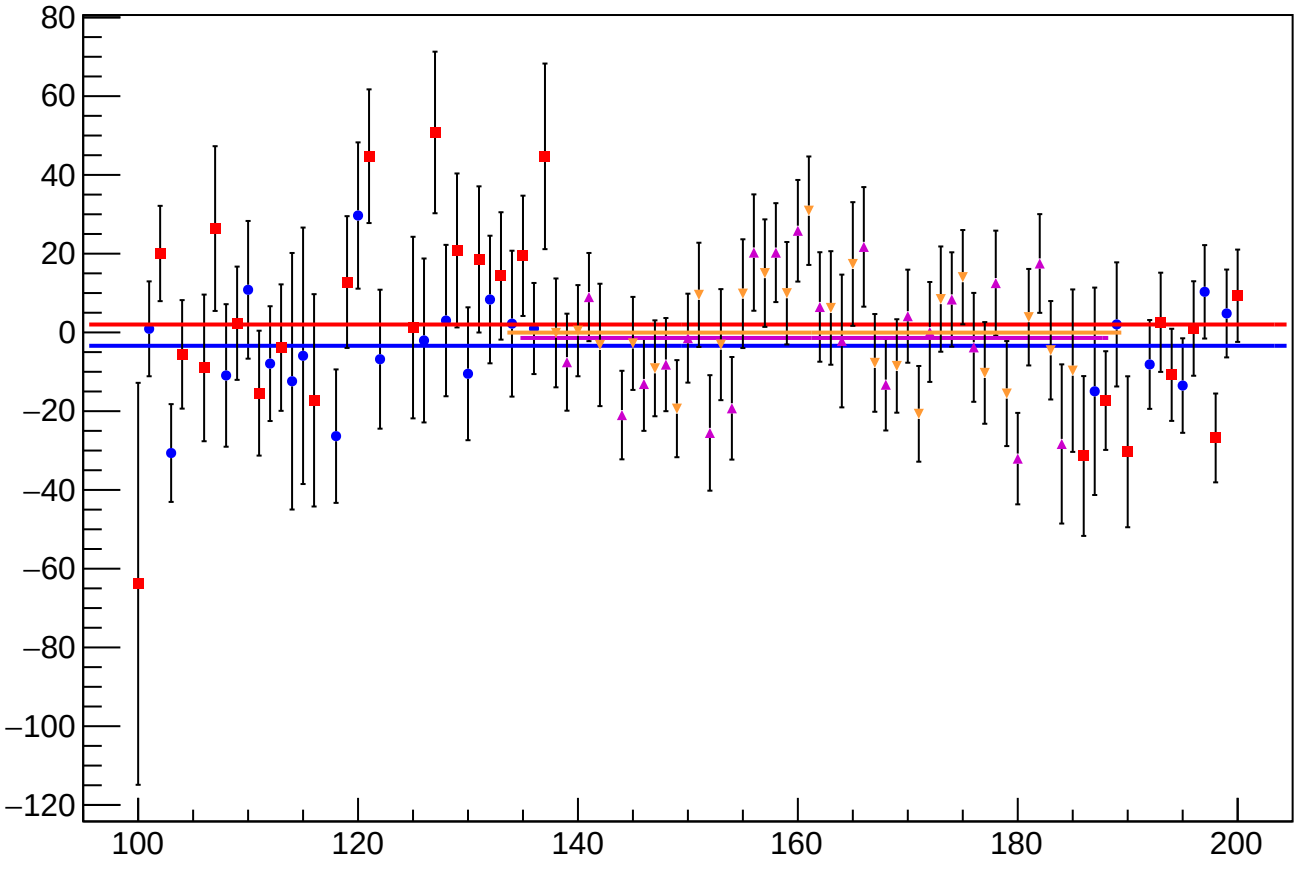
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 174.625+/-0.027 χ^2/NDF: 4868758.1/47

In: 178.068+/-0.024 χ^2/NDF:3816723.6/44

Out: 184.312+/-0.024 χ^2/NDF:4685295.6/49

All: 181.170+/-0.017 χ^2/NDF: 8534952.0/94



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

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

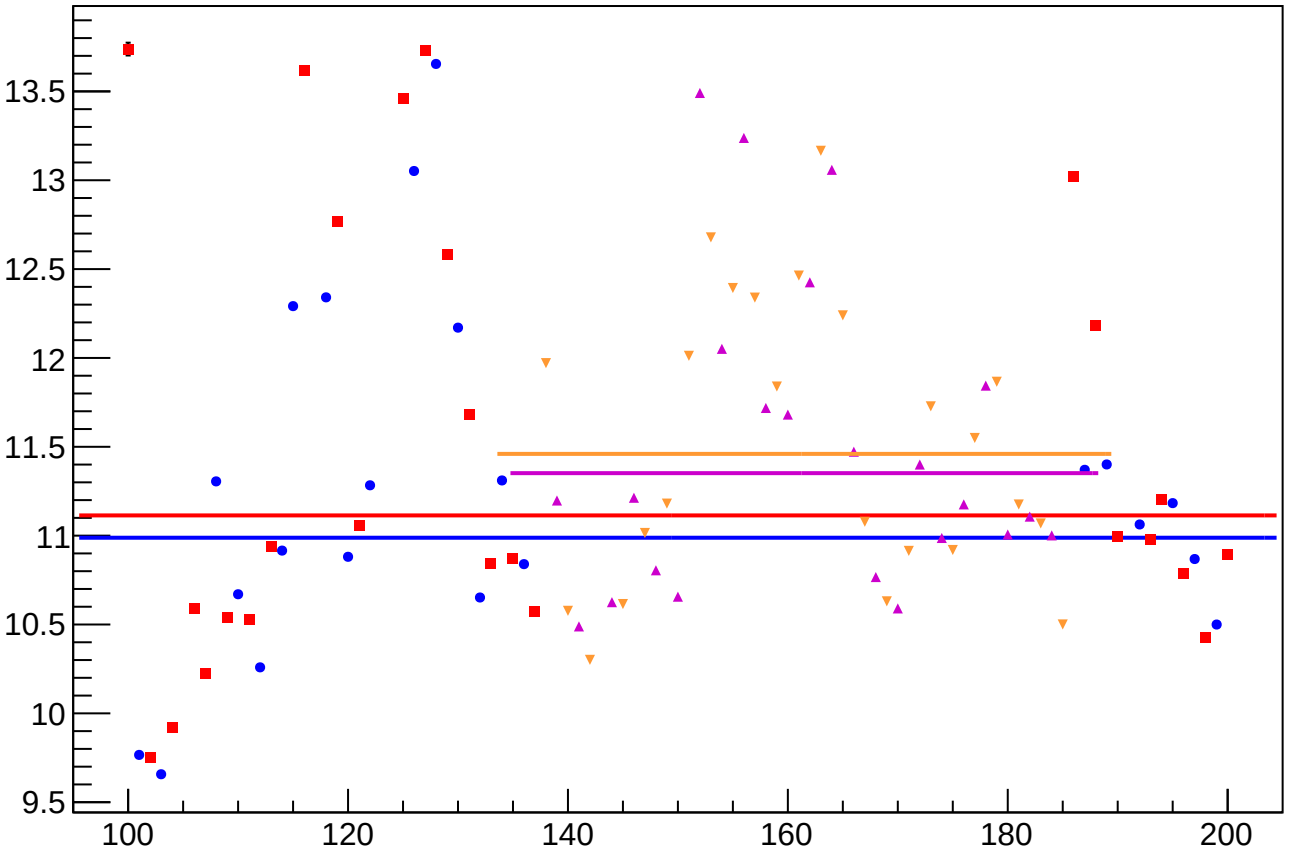
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.536+/-2.238 χ^2/NDF: 59.7/47

In: -2.206+/-2.068 χ^2/NDF:51.7/44

Out: 0.842+/-2.023 χ^2/NDF:63.8/49

All: -0.649+/-1.446 χ^2/NDF: 116.6/94



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

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

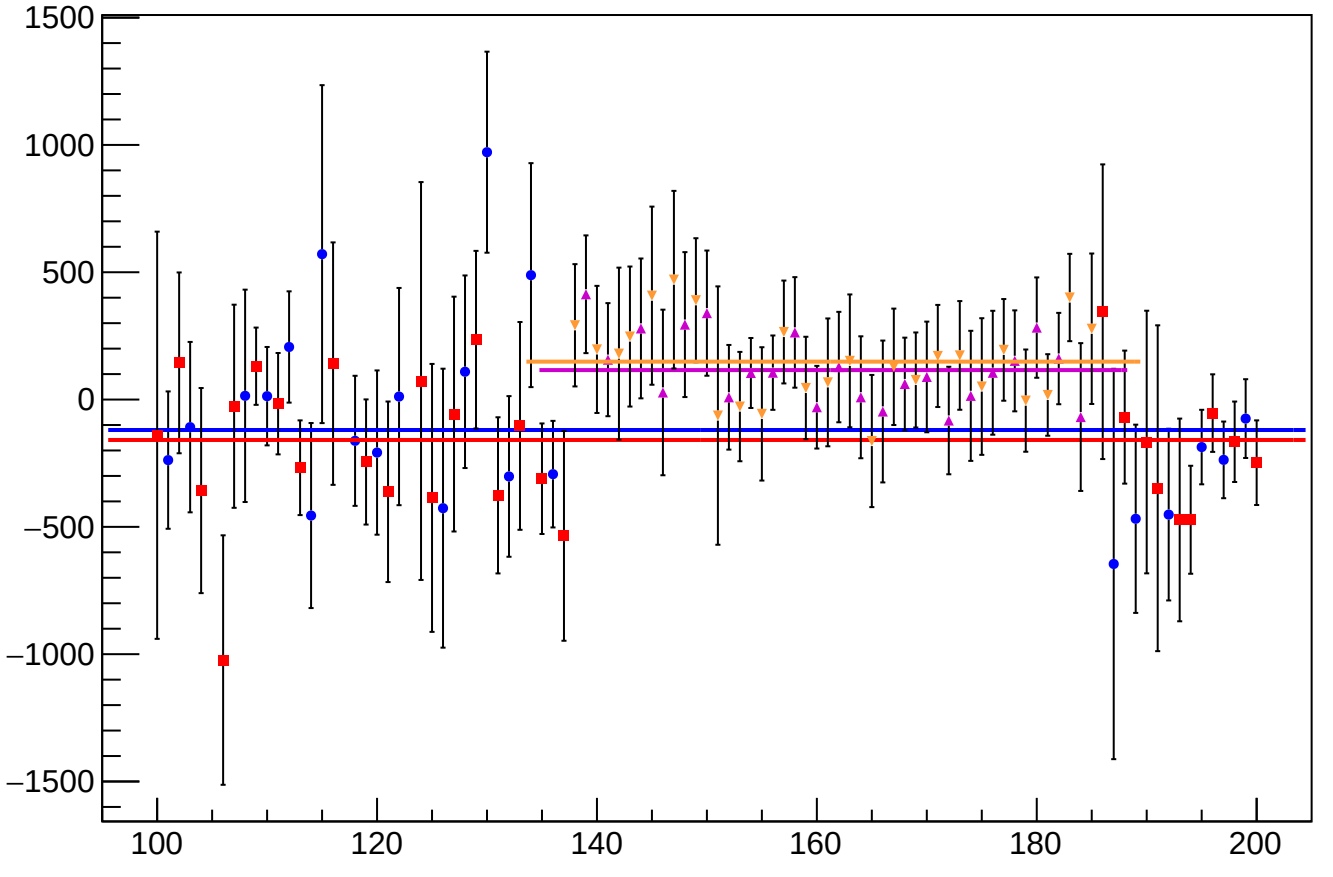
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.055+/-0.002 χ^2/NDF: 348795.8/47

In: 11.206+/-0.001 χ^2/NDF:328027.4/44

Out: 11.310+/-0.001 χ^2/NDF:369419.8/49

All: 11.259+/-0.001 χ^2/NDF: 700070.4/94



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

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

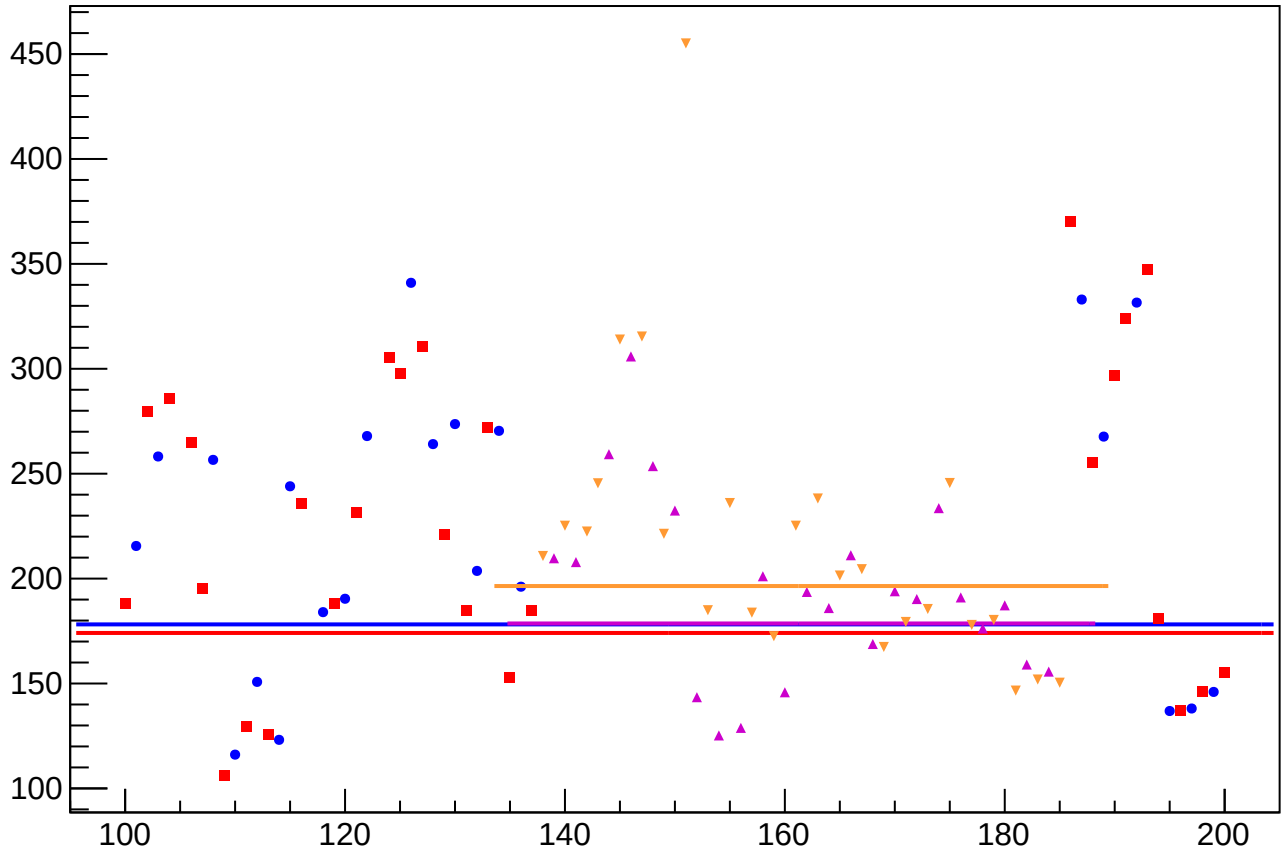
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -140.964+/-37.582 χ^2/NDF: 37.4/49

In: 26.322+/-34.366 χ^2/NDF:38.5/44

Out: 9.508+/-34.246 χ^2/NDF:48.0/52

All: 17.886+/-24.258 χ^2/NDF: 86.6/97



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

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

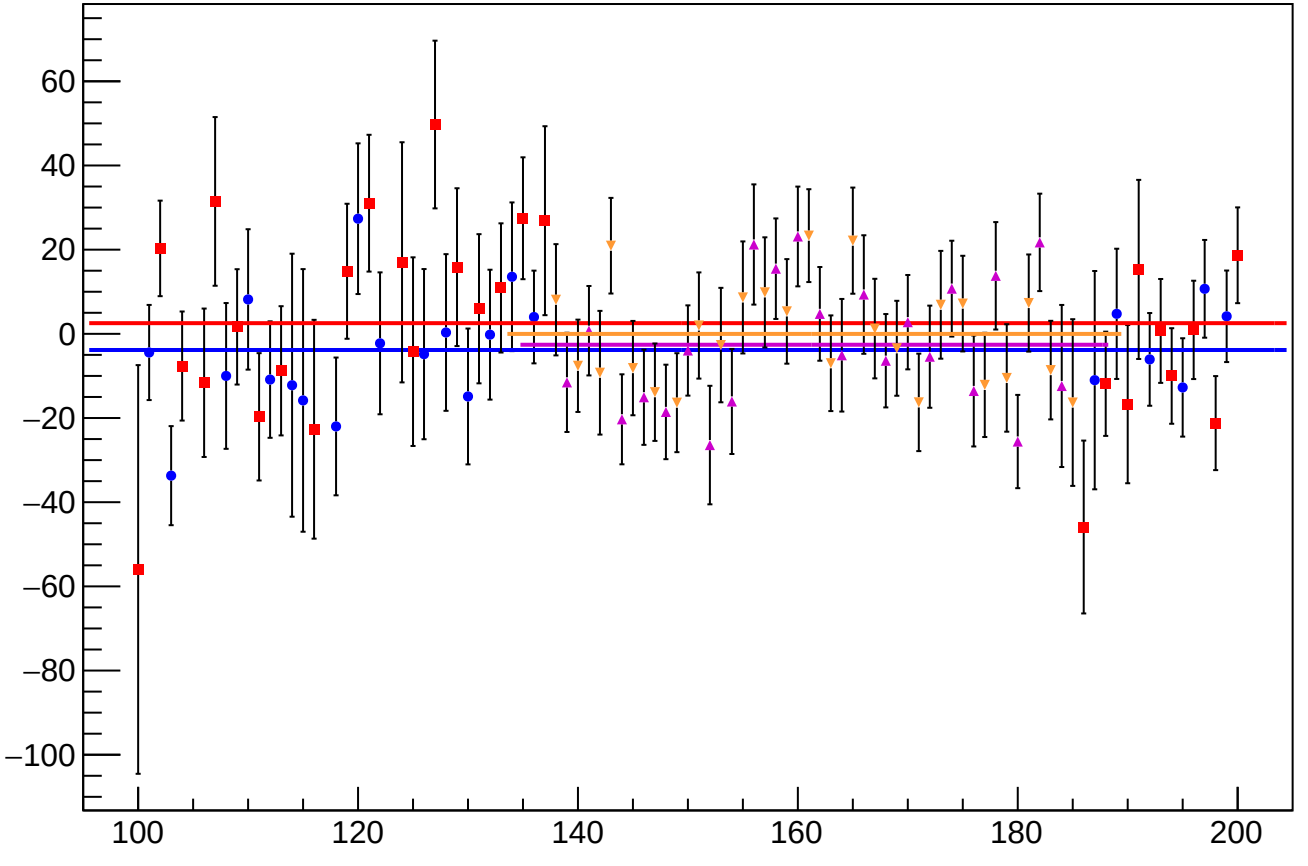
Right: 175.947+/-0.027 χ^2/NDF: 5022447.8/49

In: 178.447+/-0.024 χ^2/NDF:3811268.5/44

Out: 186.322+/-0.024 χ^2/NDF:4914339.6/52

All: 182.399+/-0.017 χ^2/NDF: 8778304.0/97

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

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

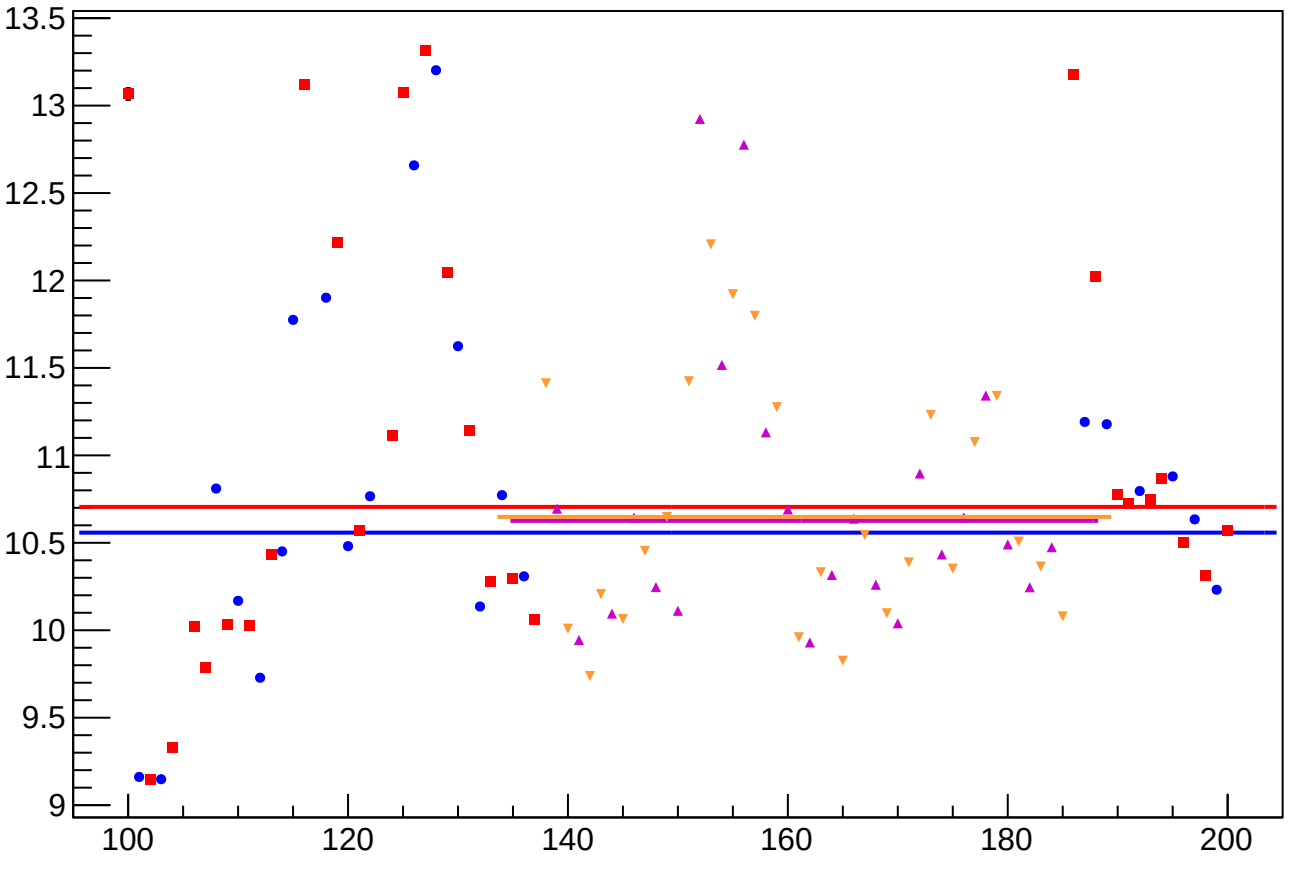
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -0.425+/-2.139 χ^2/NDF: 60.8/49

In: -3.077+/-1.958 χ^2/NDF:51.9/44

Out: 1.034+/-1.875 χ^2/NDF:65.8/52

All: -0.933+/-1.354 χ^2/NDF: 120.0/97



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

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

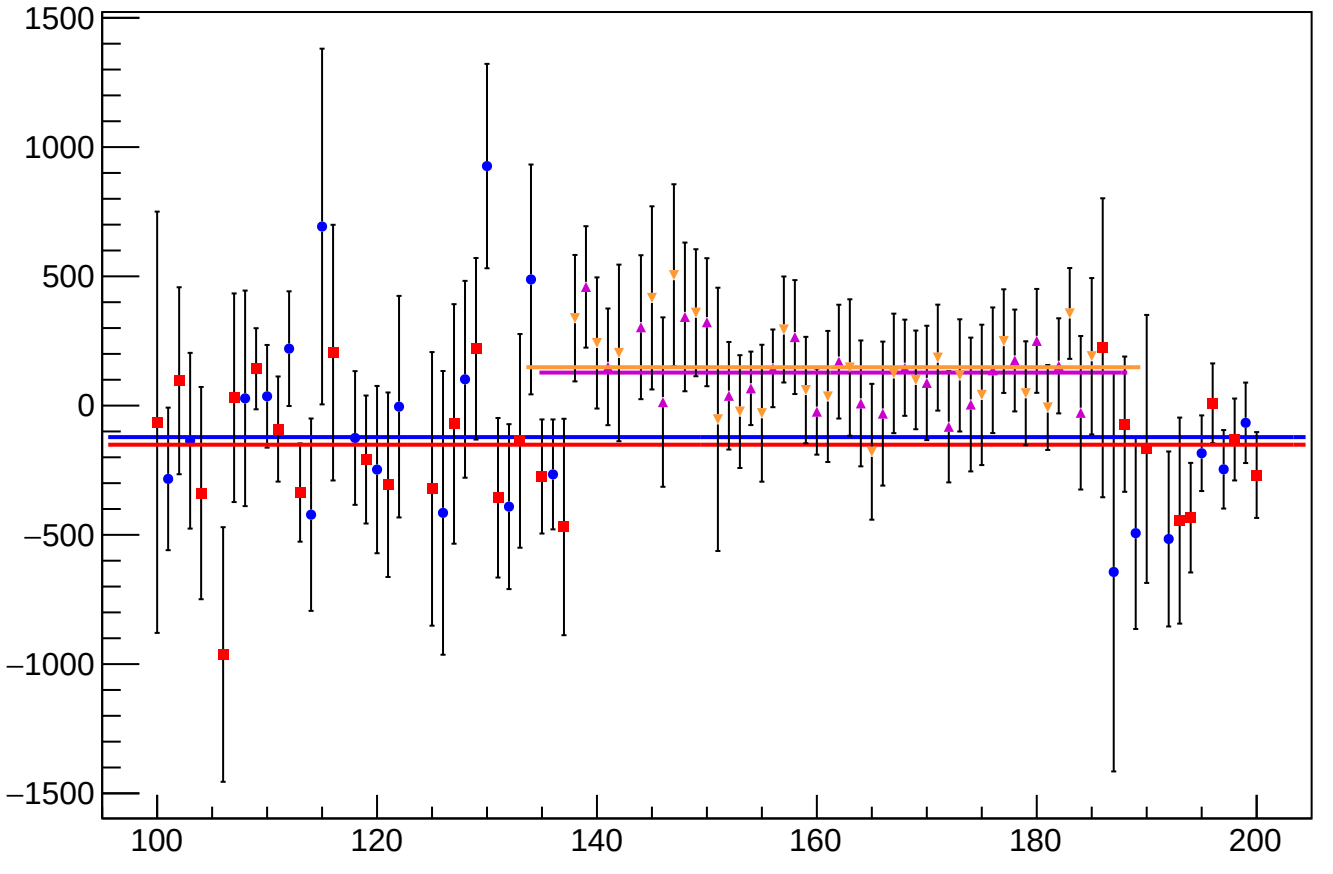
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.637+/-0.002 χ^2/NDF: 415155.0/49

In: 10.599+/-0.001 χ^2/NDF:327199.9/44

Out: 10.672+/-0.001 χ^2/NDF:389692.4/52

All: 10.637+/-0.001 χ^2/NDF: 718317.4/97



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

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

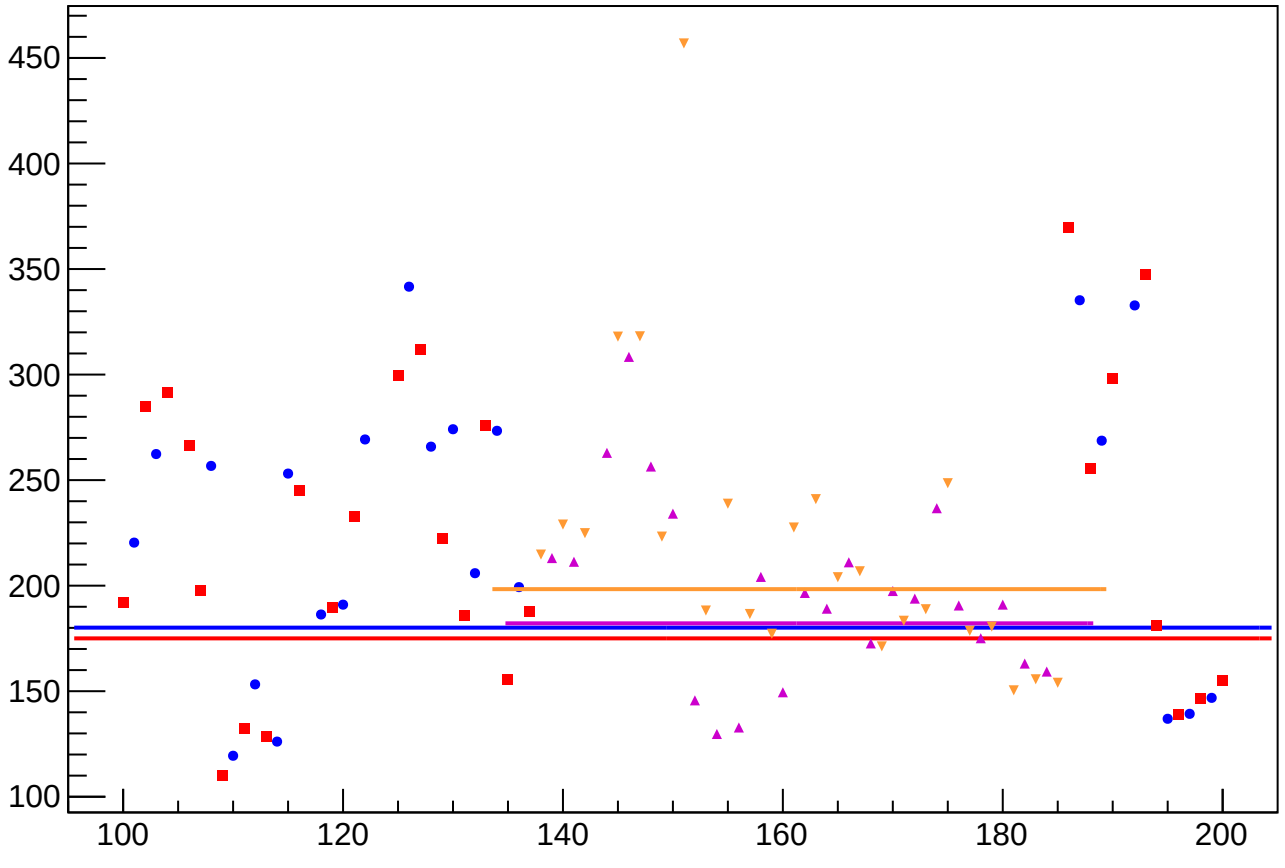
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -137.824+/-38.117 χ^2/NDF: 36.3/47

In: 31.979+/-34.882 χ^2/NDF:40.2/44

Out: 10.771+/-35.089 χ^2/NDF:43.9/49

All: 21.438+/-24.738 χ^2/NDF: 84.3/94



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

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

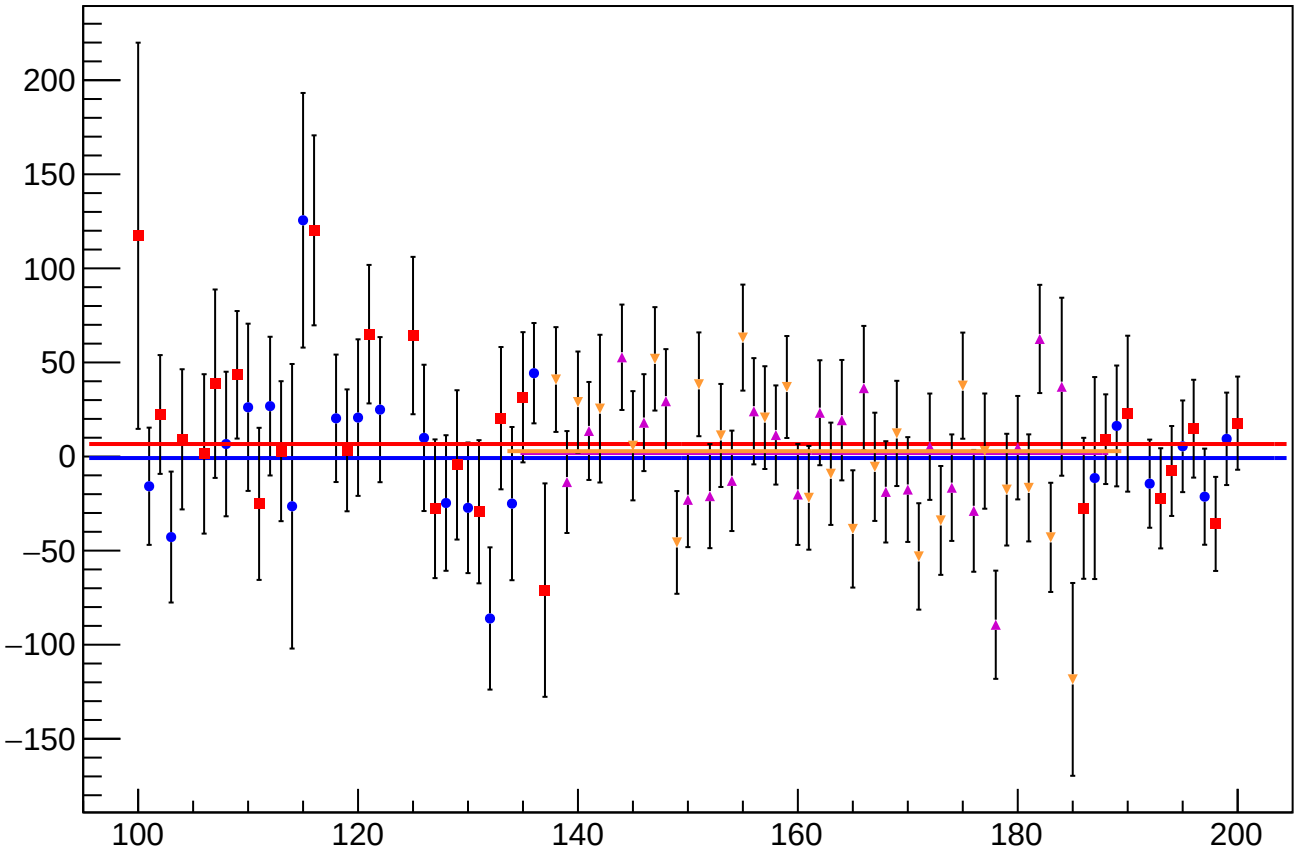
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 177.351+/-0.027 χ^2/NDF: 4767748.5/47

In: 181.367+/-0.025 χ^2/NDF:3701111.5/44

Out: 187.635+/-0.025 χ^2/NDF:4560393.7/49

All: 184.483+/-0.017 χ^2/NDF: 8293605.1/94



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

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

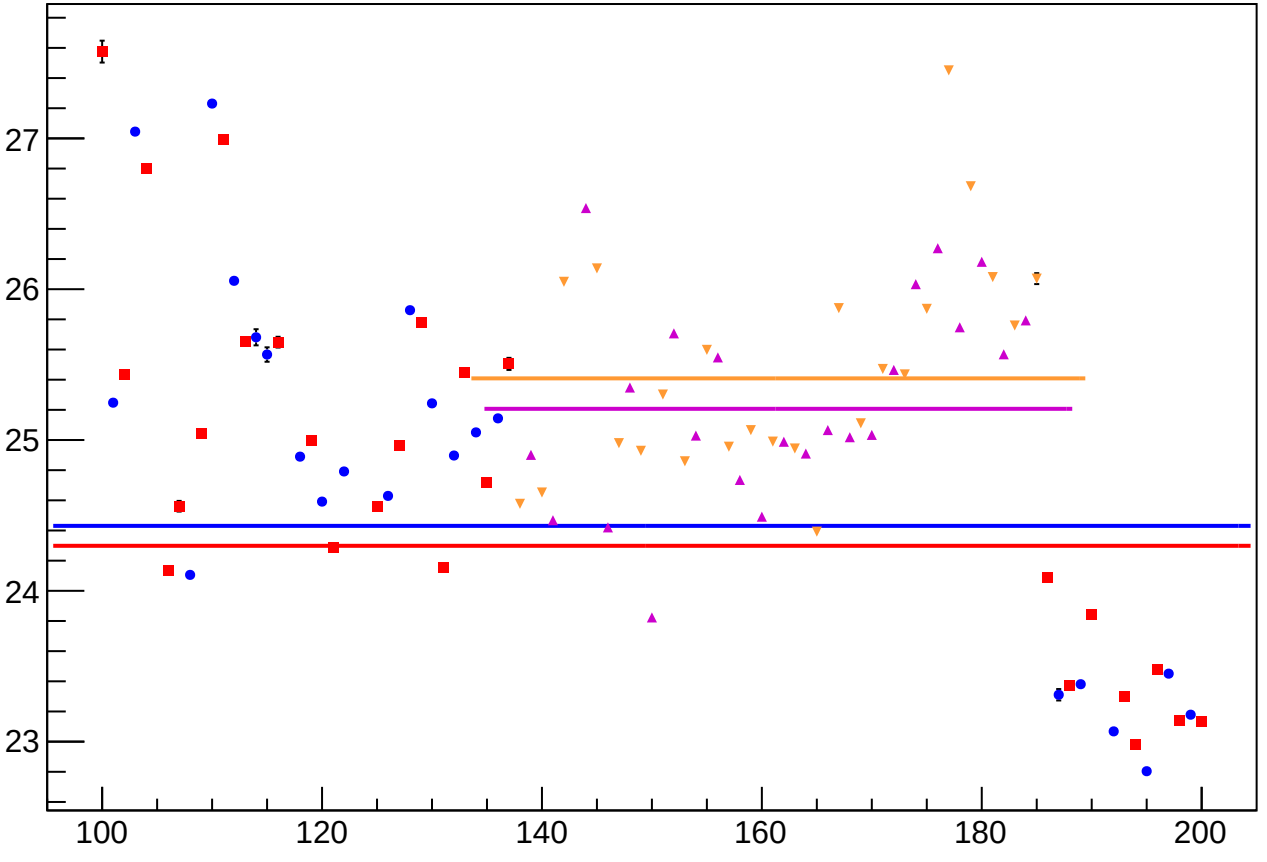
Right: 3.209+/-4.894 χ^2/NDF: 42.1/47

In: 0.786+/-4.561 χ^2/NDF:46.5/44

Out: 4.520+/-4.421 χ^2/NDF:60.3/49

All: 2.711+/-3.174 χ^2/NDF: 107.1/94

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

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

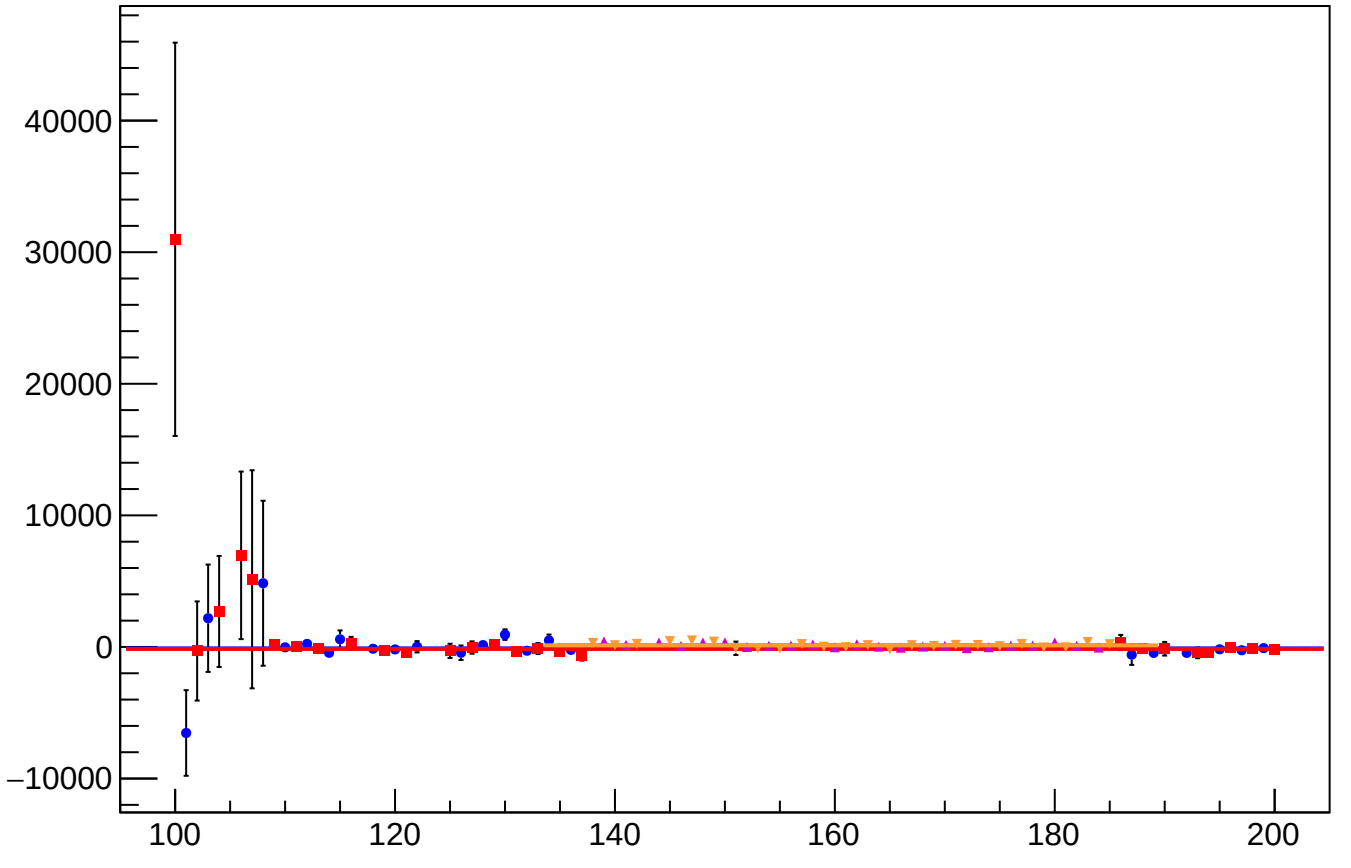
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.360+/-0.003 χ^2/NDF: 118146.1/47

In: 24.896+/-0.003 χ^2/NDF:99398.6/44

Out: 24.921+/-0.003 χ^2/NDF:116052.0/49

All: 24.909+/-0.002 χ^2/NDF: 215482.7/94



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

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

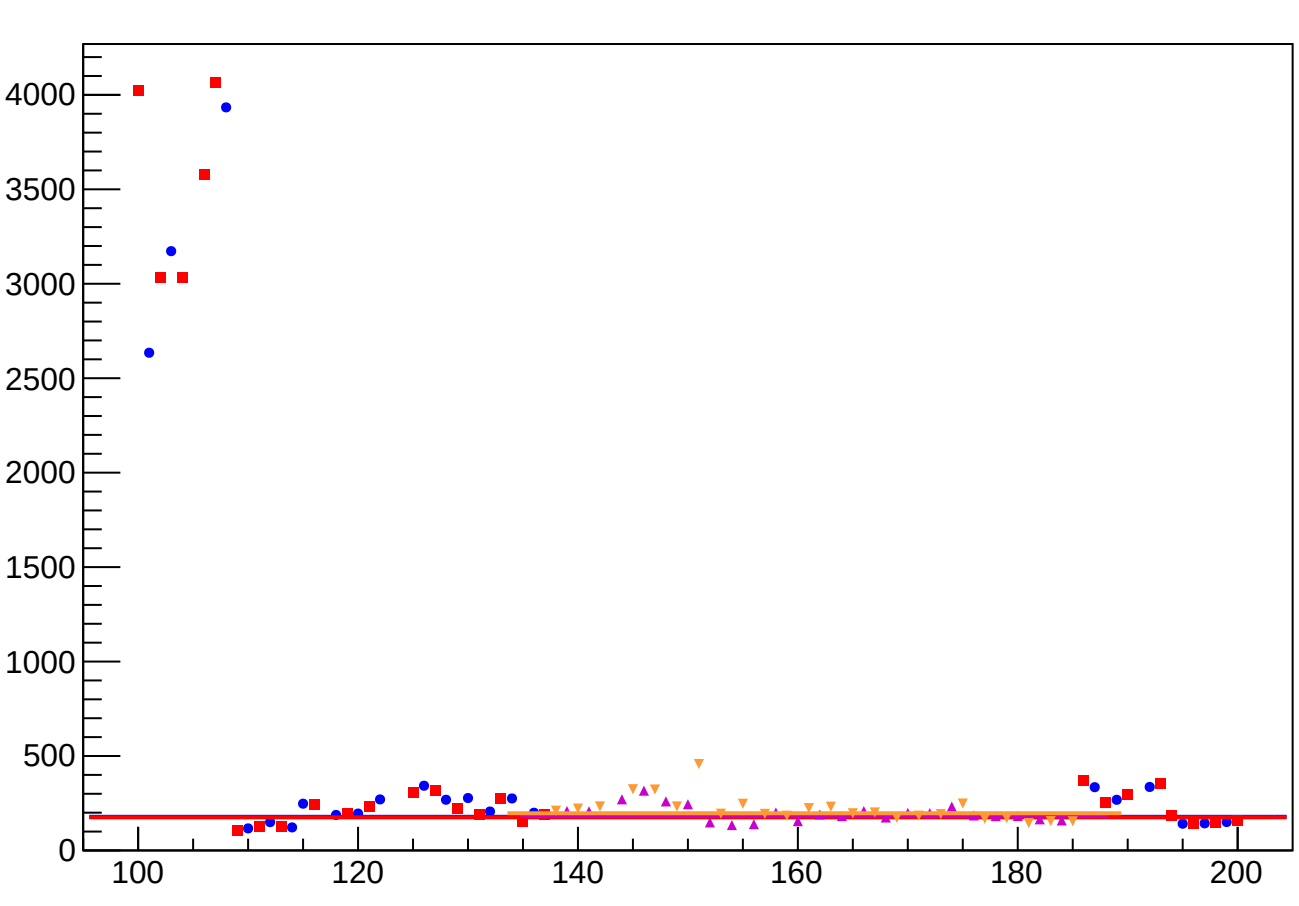
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -129.760+/-40.641 χ^2/NDF: 41.1/47

In: 33.962+/-35.803 χ^2/NDF:40.6/44

Out: 8.223+/-36.079 χ^2/NDF:43.3/49

All: 21.192+/-25.414 χ^2/NDF: 84.2/94



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

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

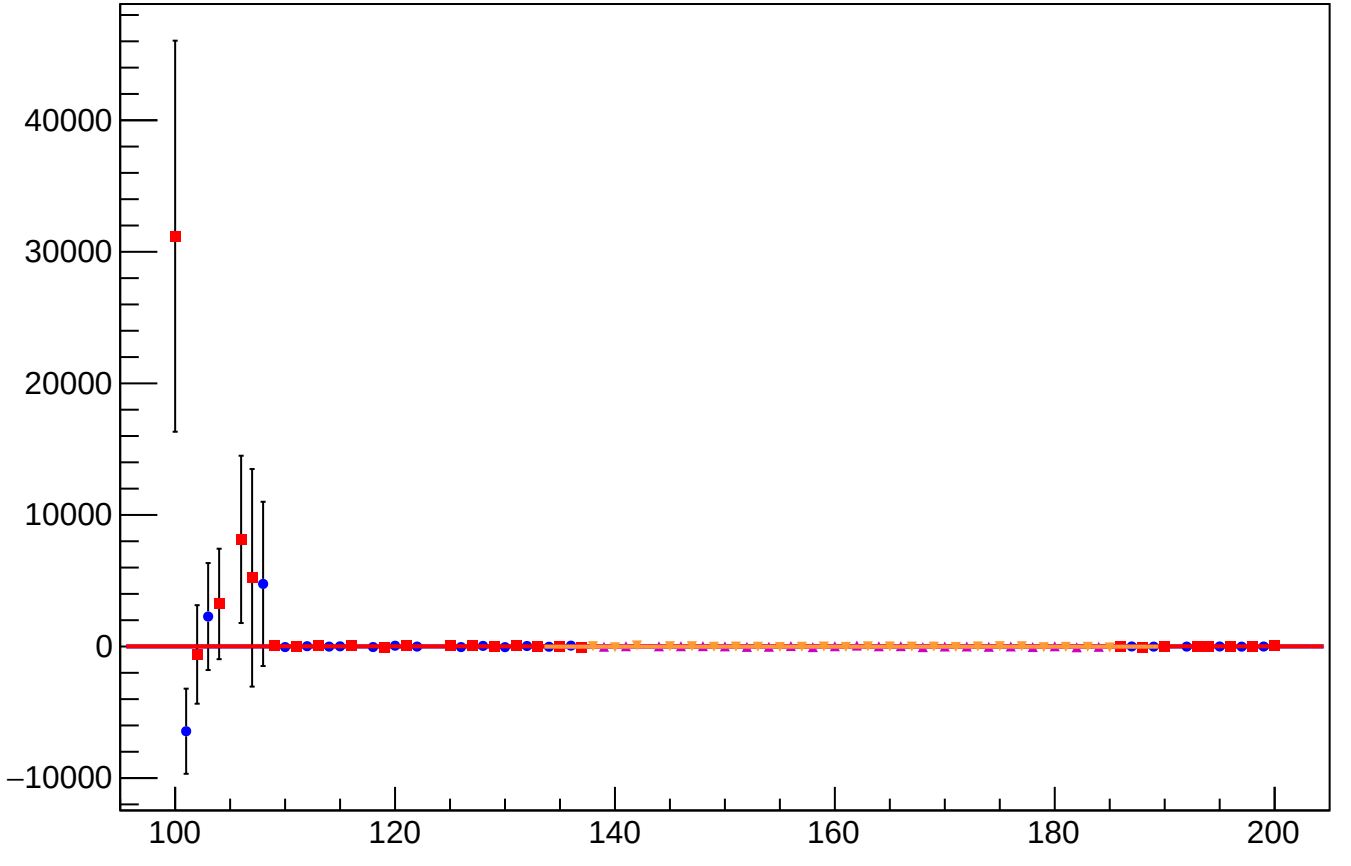
Right: 176.581+/-0.029 χ^2/NDF: 10109338.5/47

In: 181.909+/-0.025 χ^2/NDF:6241474.7/44

Out: 187.792+/-0.026 χ^2/NDF:7308975.0/49

All: 184.828+/-0.018 χ^2/NDF: 13577241.4/94

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

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

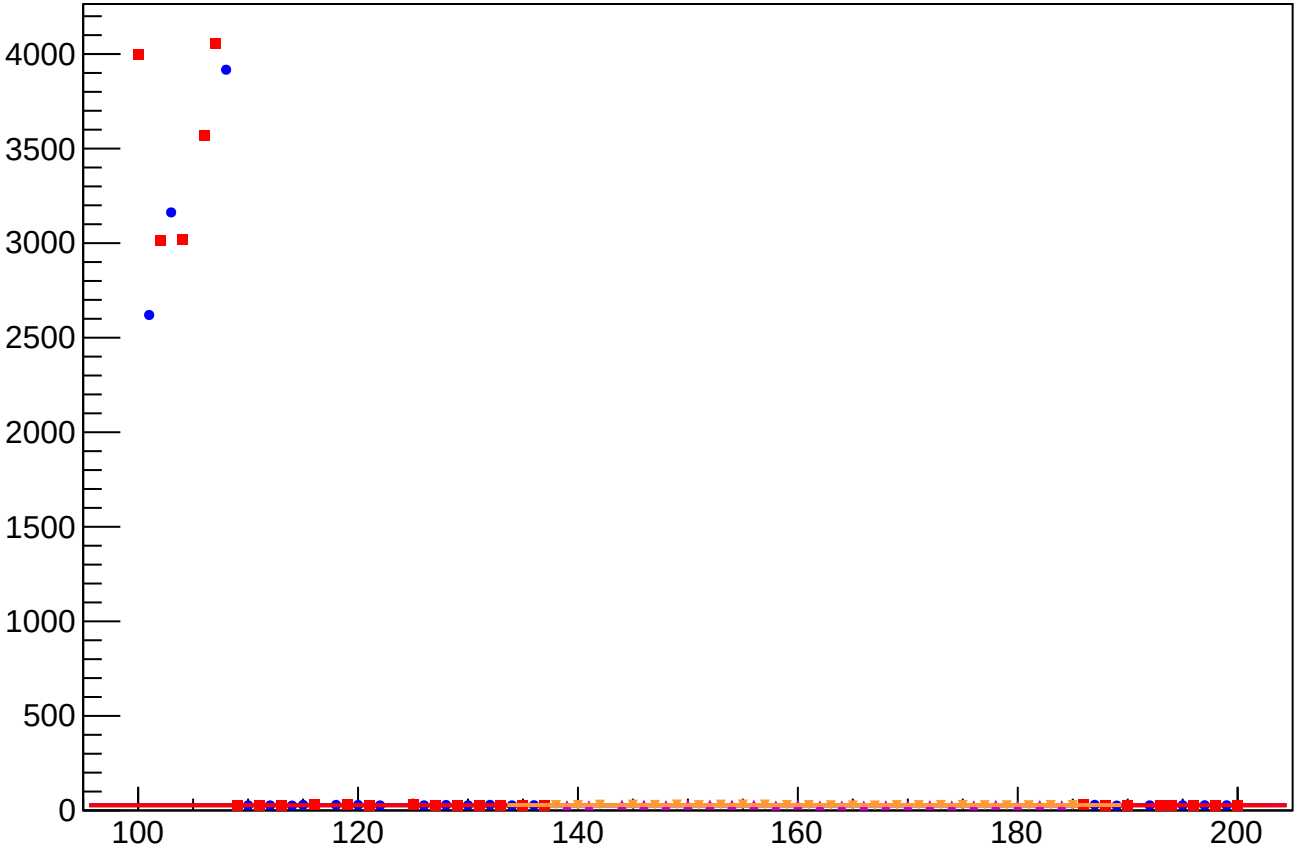
Right: 8.908+/-6.012 χ^2/NDF: 48.2/47

In: 2.203+/-5.337 χ^2/NDF:41.0/44

Out: -0.674+/-5.184 χ^2/NDF:51.8/49

All: 0.723+/-3.718 χ^2/NDF: 93.0/94

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

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

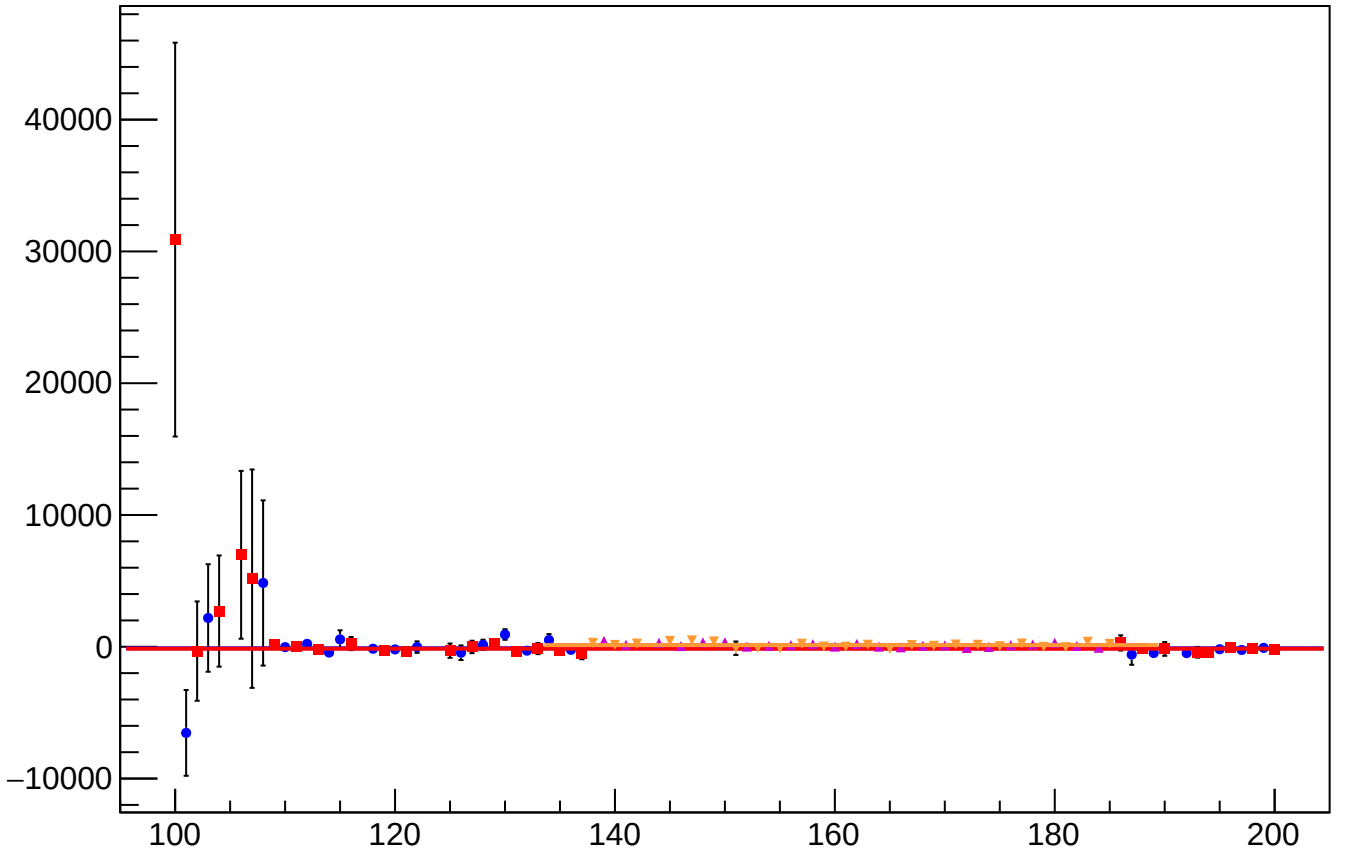
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.595+/-0.004 χ^2/NDF: 6853131.9/47

In: 28.280+/-0.004 χ^2/NDF:3426224.4/44

Out: 28.226+/-0.004 χ^2/NDF:3674260.1/49

All: 28.252+/-0.003 χ^2/NDF: 7100588.6/94



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

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

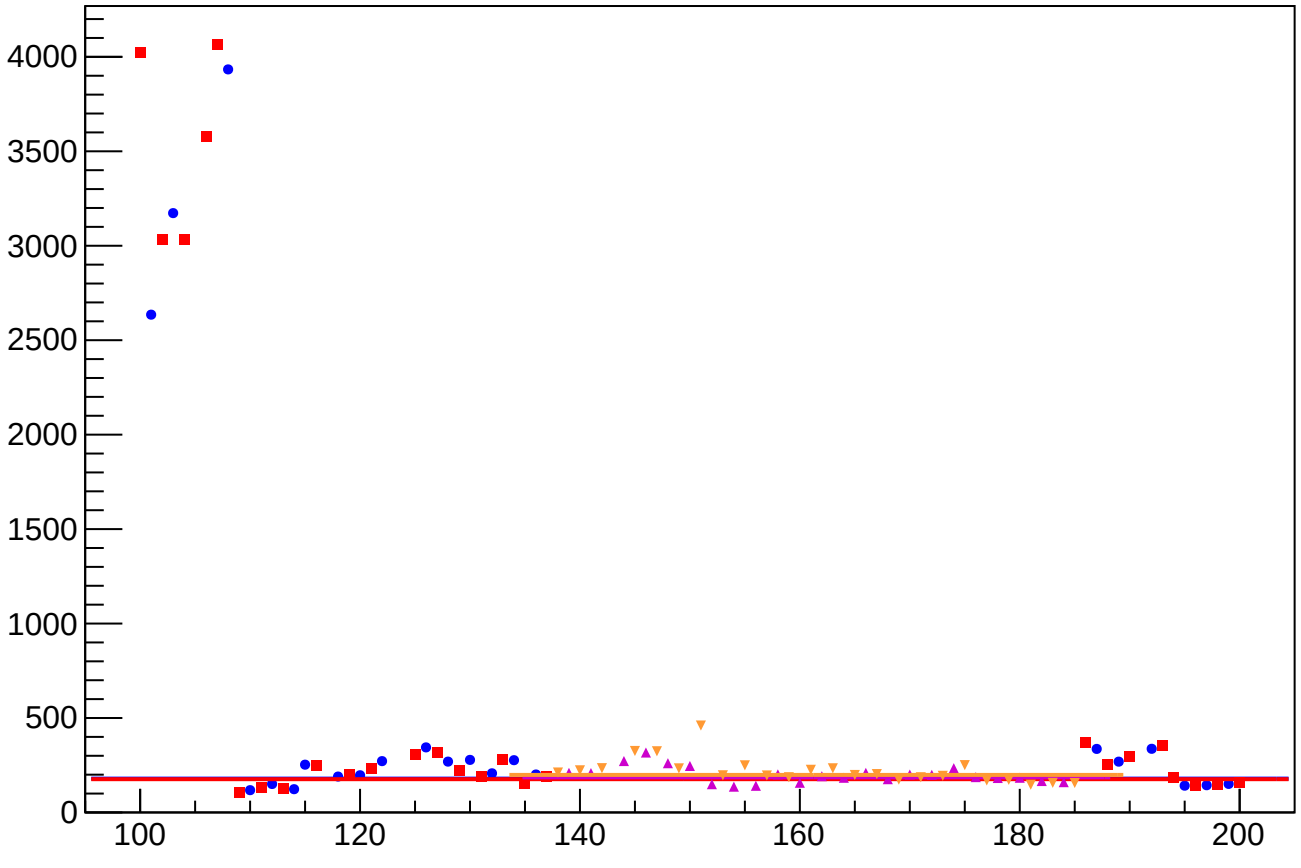
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -130.742+/-40.843 χ^2/NDF: 39.7/47

In: 36.262+/-36.081 χ^2/NDF:40.9/44

Out: 11.975+/-36.333 χ^2/NDF:42.0/49

All: 24.203+/-25.602 χ^2/NDF: 83.1/94



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

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

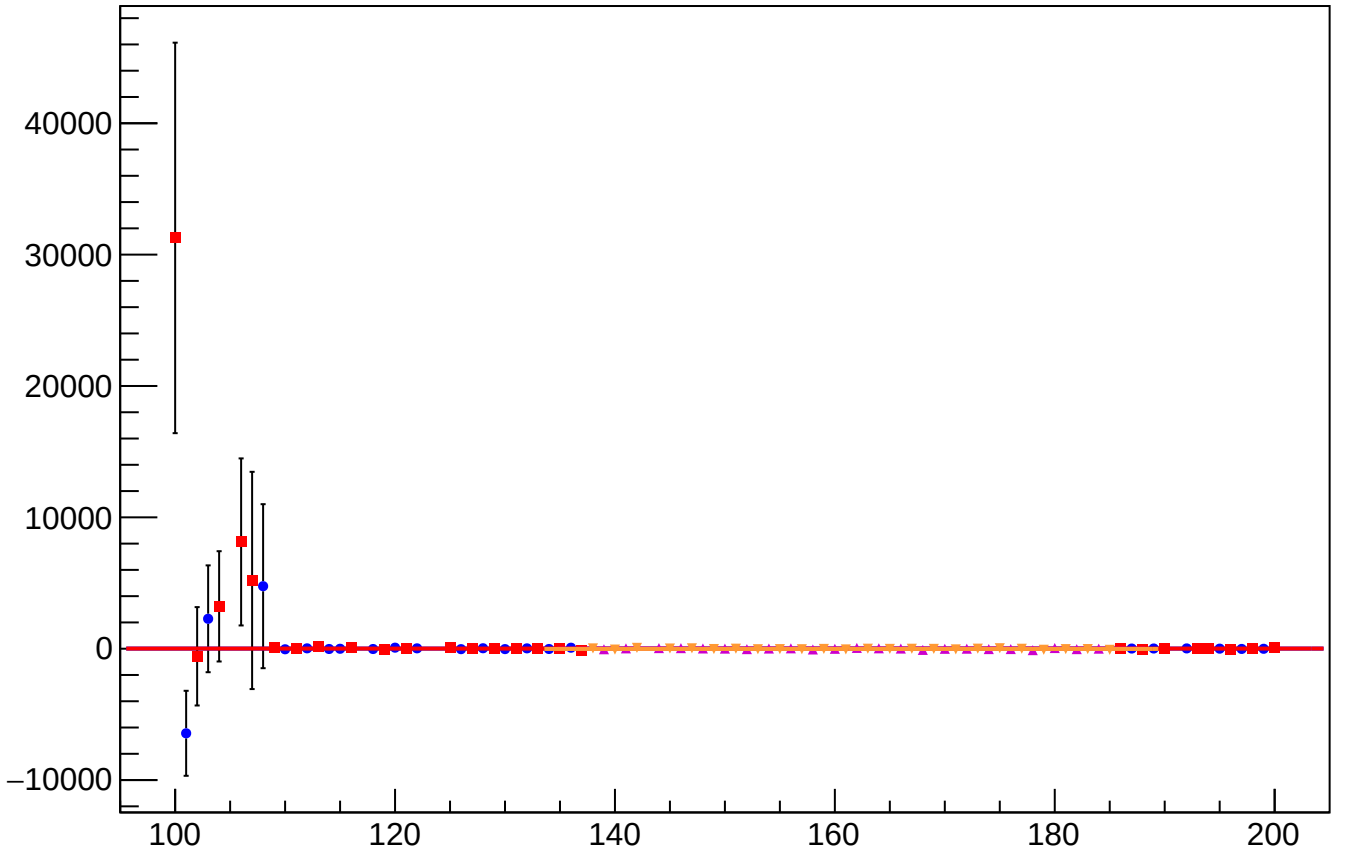
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 177.510+/-0.029 χ^2/NDF: 10090954.1/47

In: 183.404+/-0.026 χ^2/NDF:6199873.5/44

Out: 189.173+/-0.026 χ^2/NDF:7285524.7/49

All: 186.268+/-0.018 χ^2/NDF: 13510787.6/94



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

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

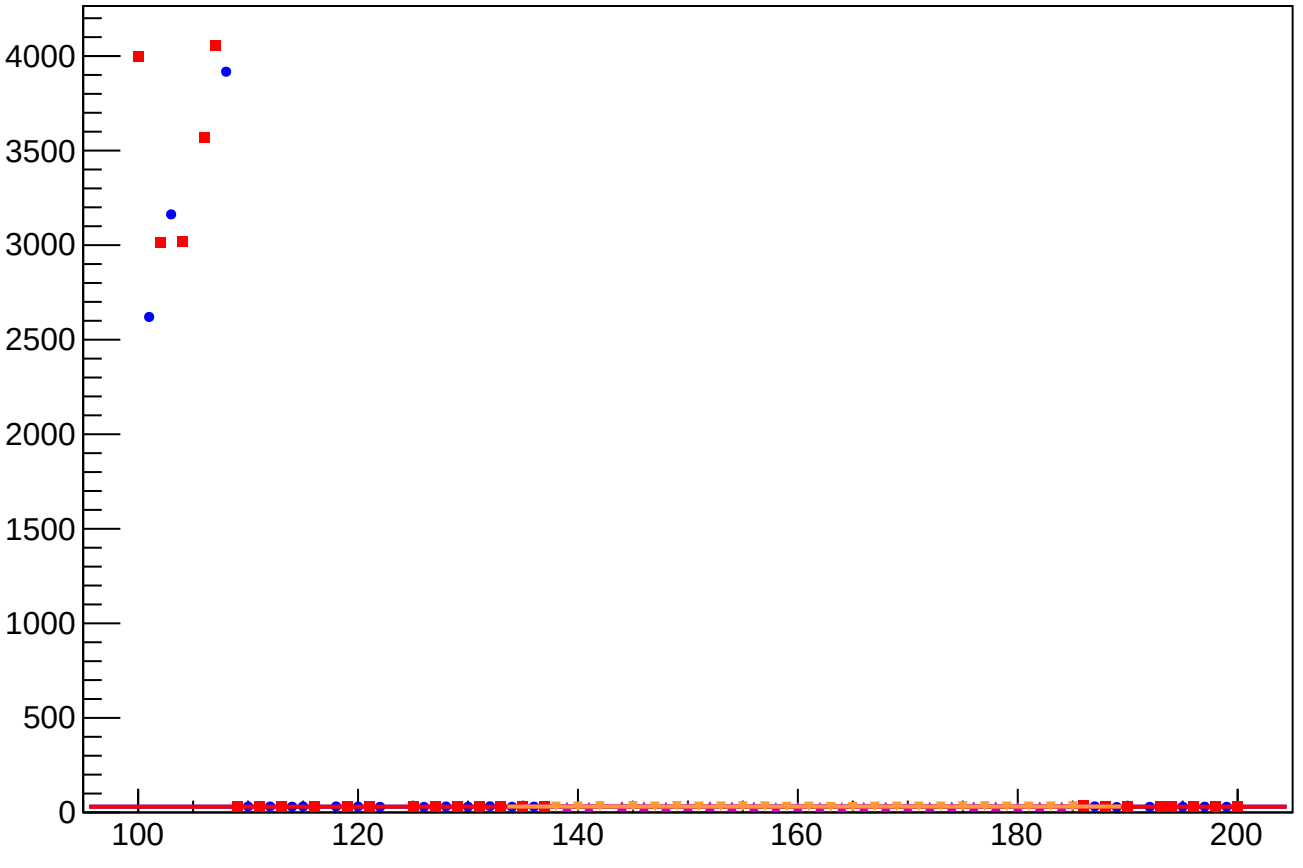
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 9.448+/-6.643 χ^2/NDF: 53.3/47

In: 1.667+/-5.854 χ^2/NDF:53.2/44

Out: -7.419+/-5.681 χ^2/NDF:62.6/49

All: -3.012+/-4.077 χ^2/NDF: 117.0/94



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

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

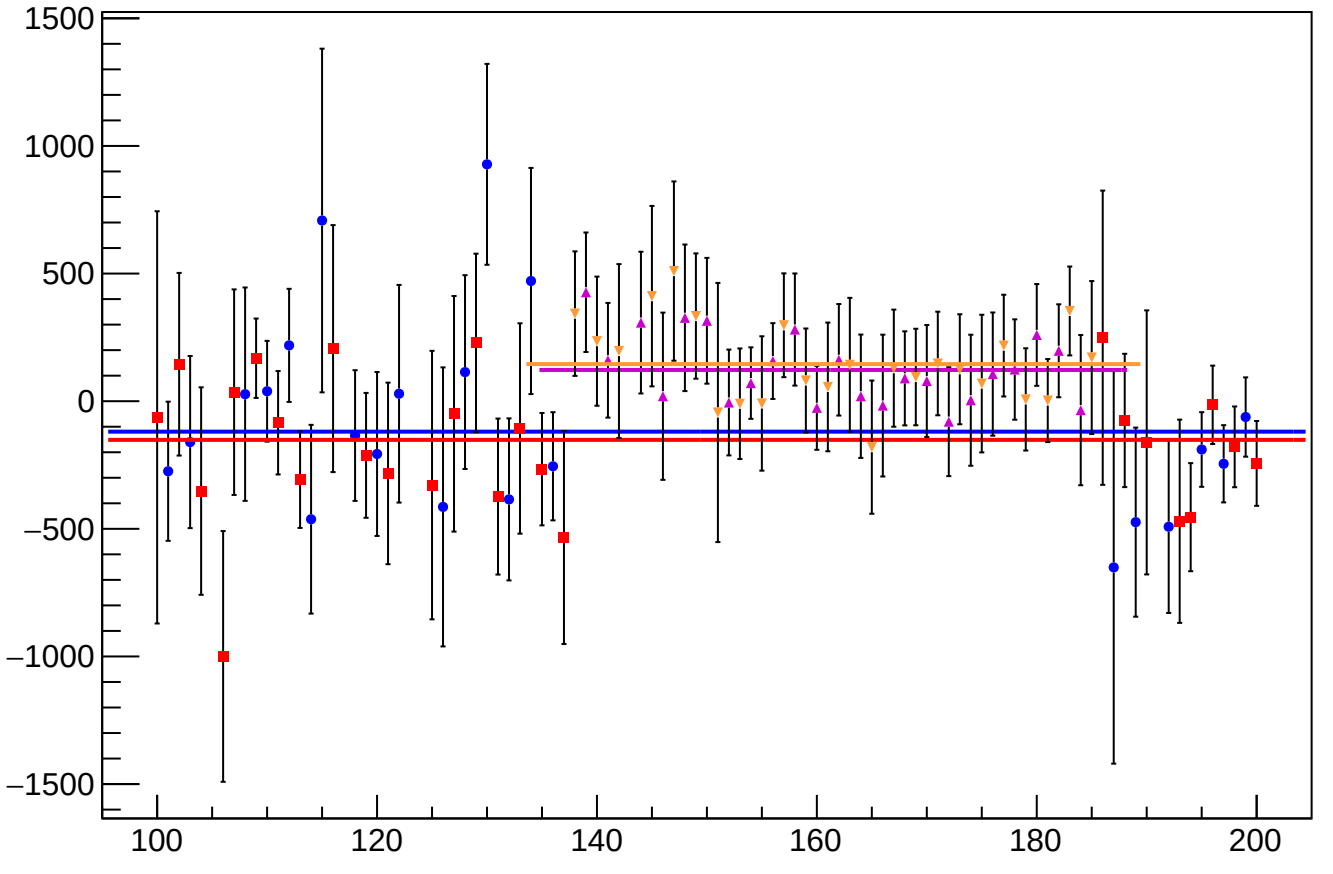
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.513+/-0.005 χ^2/NDF: 6818536.1/47

In: 31.050+/-0.004 χ^2/NDF:3358875.9/44

Out: 30.960+/-0.004 χ^2/NDF:3609992.8/49

All: 31.003+/-0.003 χ^2/NDF: 6969109.8/94



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

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

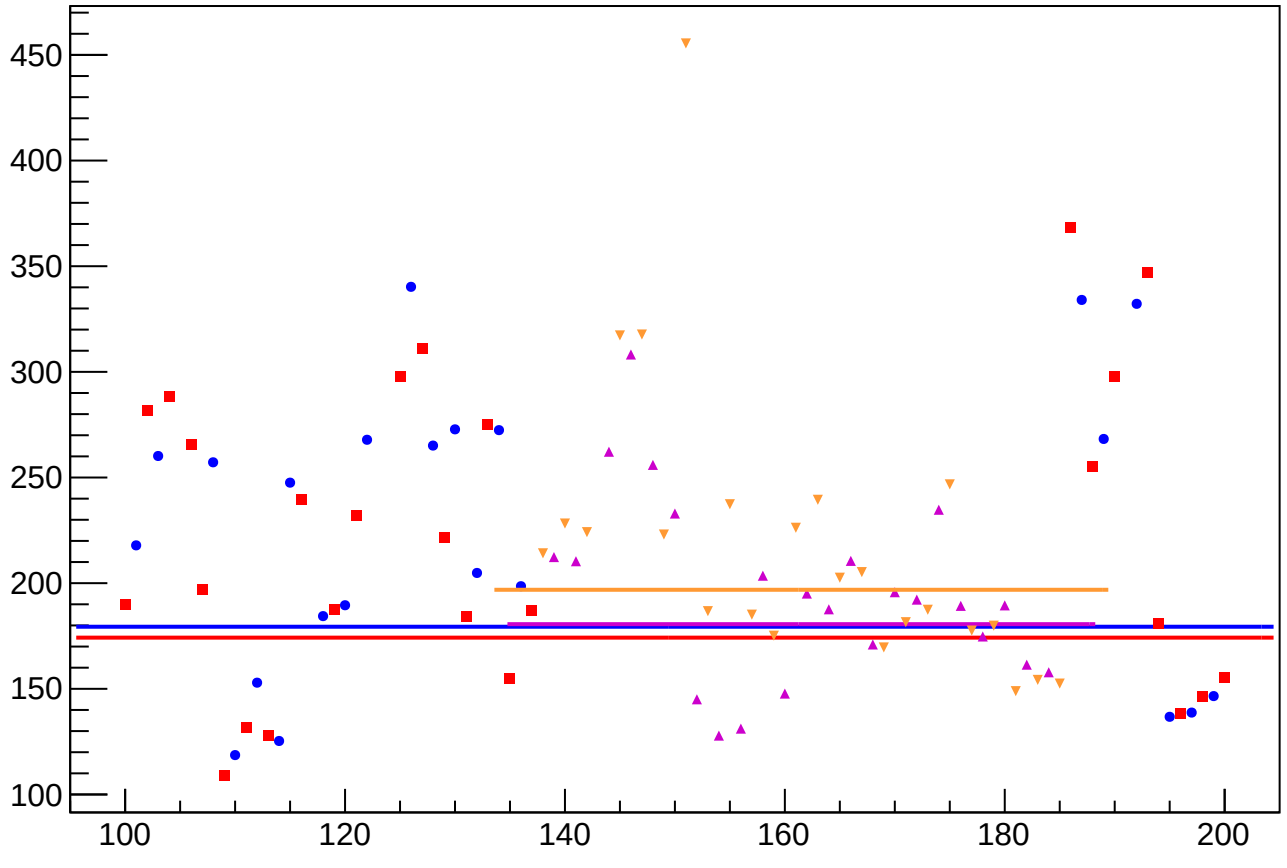
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -136.749+/-37.956 χ^2/NDF: 37.8/47

In: 30.106+/-34.660 χ^2/NDF:39.7/44

Out: 9.373+/-34.887 χ^2/NDF:44.6/49

All: 19.807+/-24.588 χ^2/NDF: 84.4/94



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

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

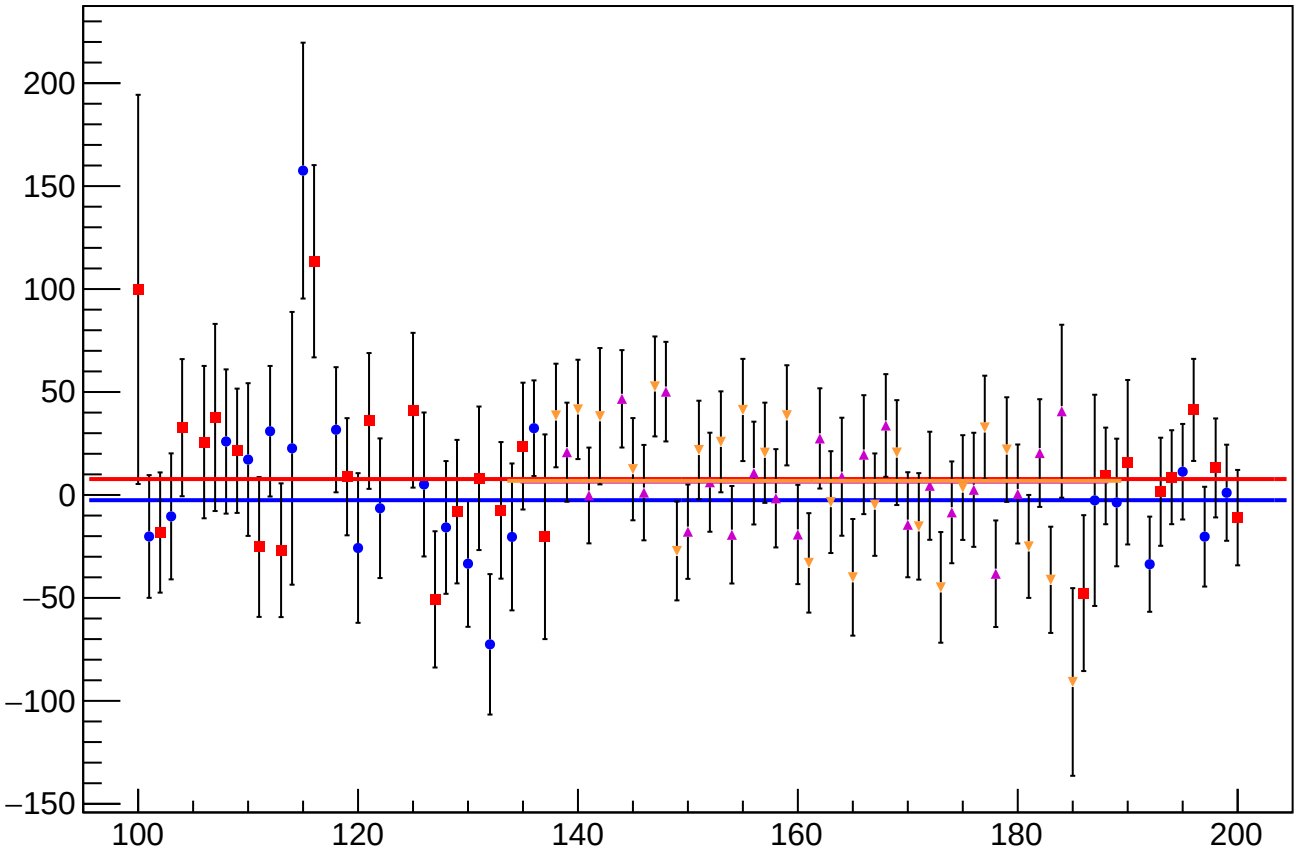
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 176.587+/-0.027 χ^2/NDF: 4761109.6/47

In: 180.136+/-0.025 χ^2/NDF:3737334.7/44

Out: 186.499+/-0.025 χ^2/NDF:4577594.7/49

All: 183.297+/-0.017 χ^2/NDF: 8348407.7/94



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

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

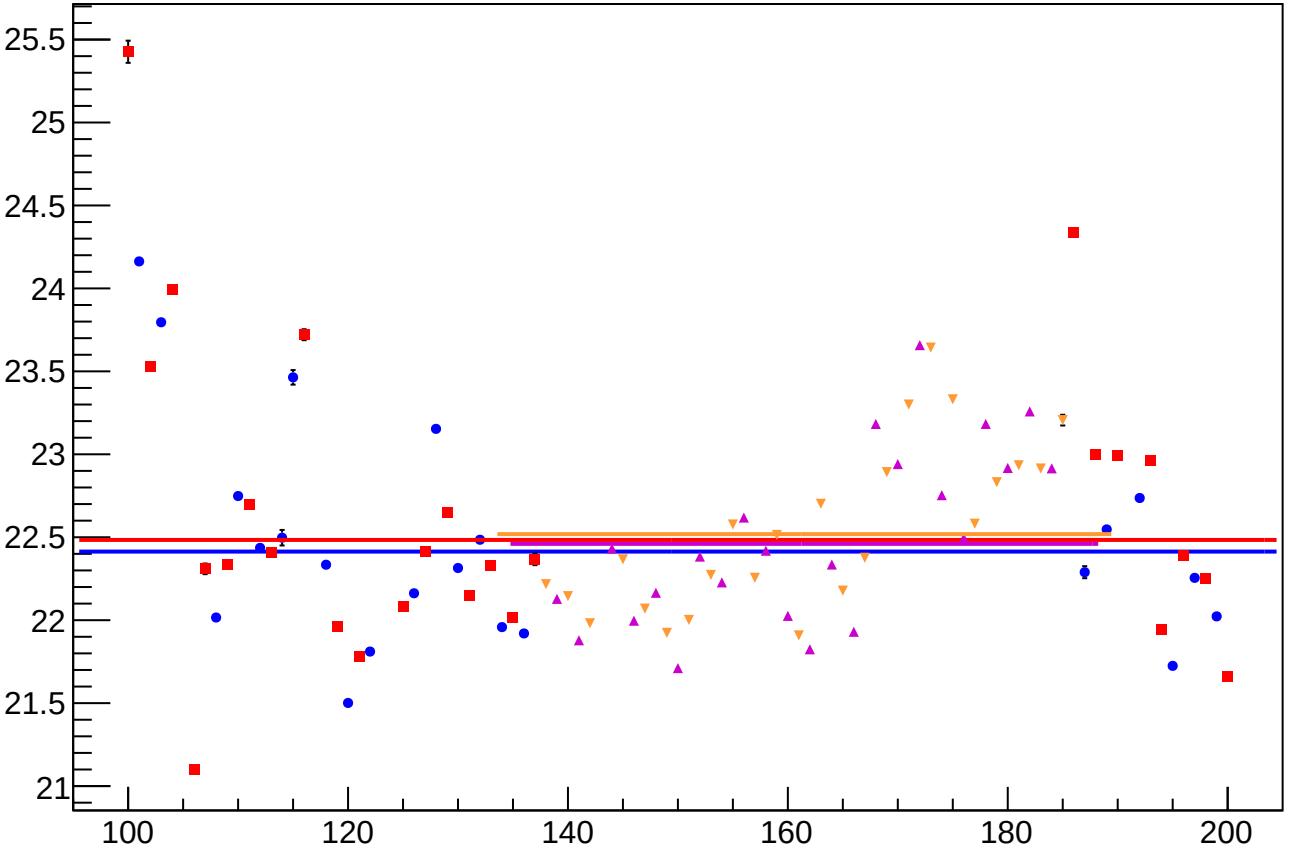
Right: 2.941+/-4.505 χ^2/NDF: 43.7/47

In: 2.990+/-4.107 χ^2/NDF:40.2/44

Out: 7.219+/-3.988 χ^2/NDF:57.7/49

All: 5.166+/-2.861 χ^2/NDF: 98.4/94

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

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

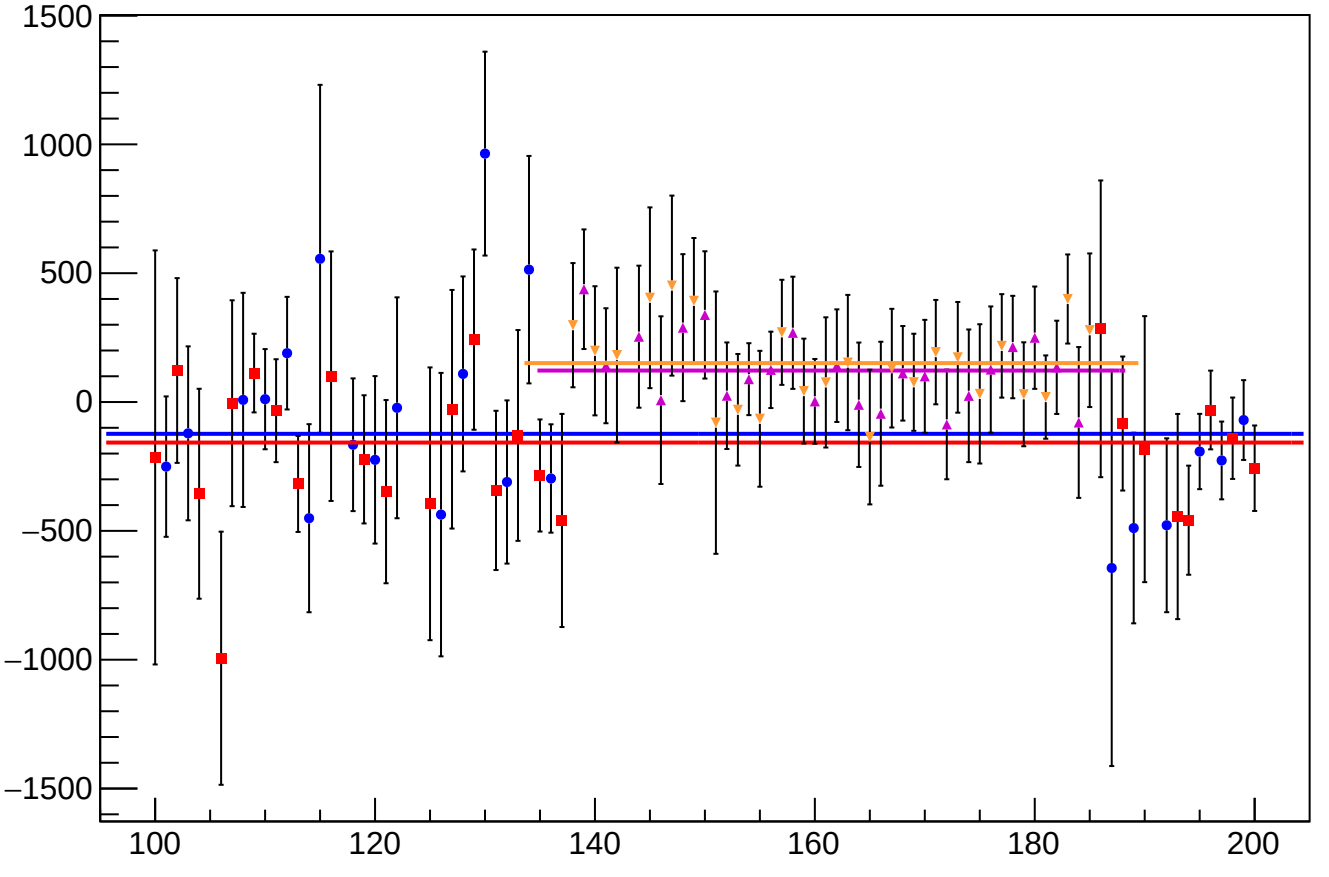
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.451+/-0.003 χ^2/NDF: 45427.2/47

In: 22.442+/-0.003 χ^2/NDF:38320.4/44

Out: 22.504+/-0.003 χ^2/NDF:42200.1/49

All: 22.474+/-0.002 χ^2/NDF: 80756.1/94



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

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

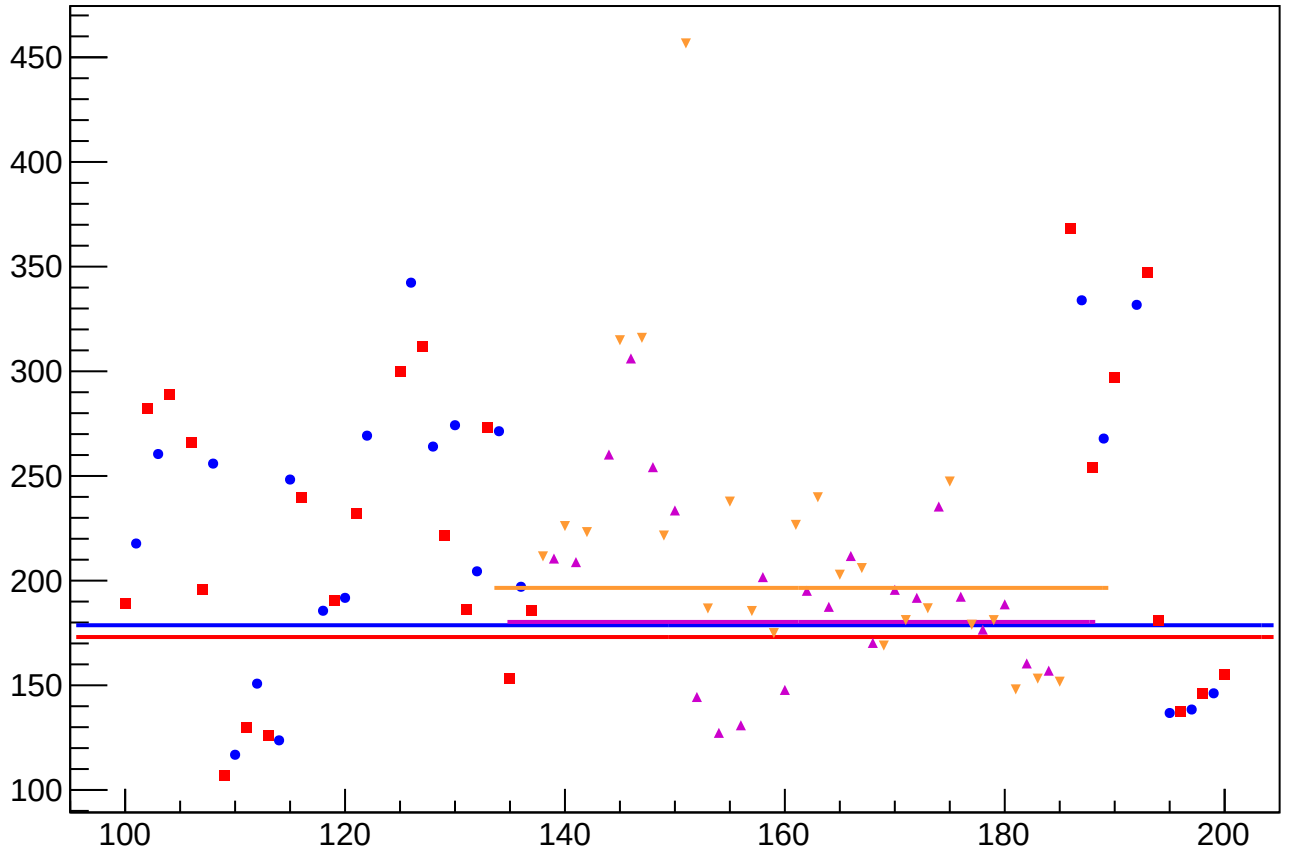
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -141.801+/-37.798 χ^2/NDF: 35.7/47

In: 28.261+/-34.583 χ^2/NDF:38.9/44

Out: 9.311+/-34.776 χ^2/NDF:45.4/49

All: 18.839+/-24.522 χ^2/NDF: 84.5/94



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

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

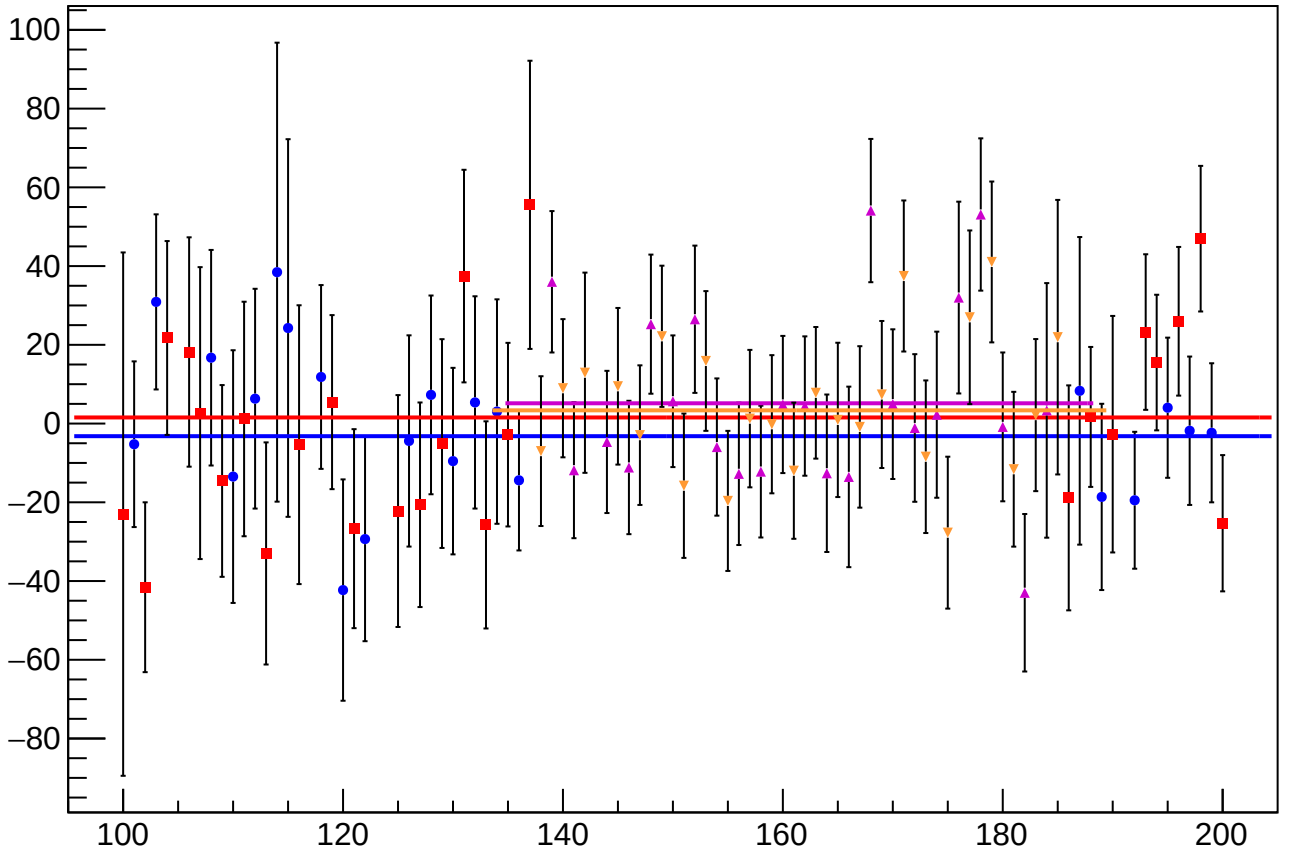
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 175.632+/-0.027 χ^2/NDF: 4867021.5/47

In: 179.669+/-0.024 χ^2/NDF:3765724.3/44

Out: 185.740+/-0.025 χ^2/NDF:4670181.1/49

All: 182.688+/-0.017 χ^2/NDF: 8466544.9/94



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

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

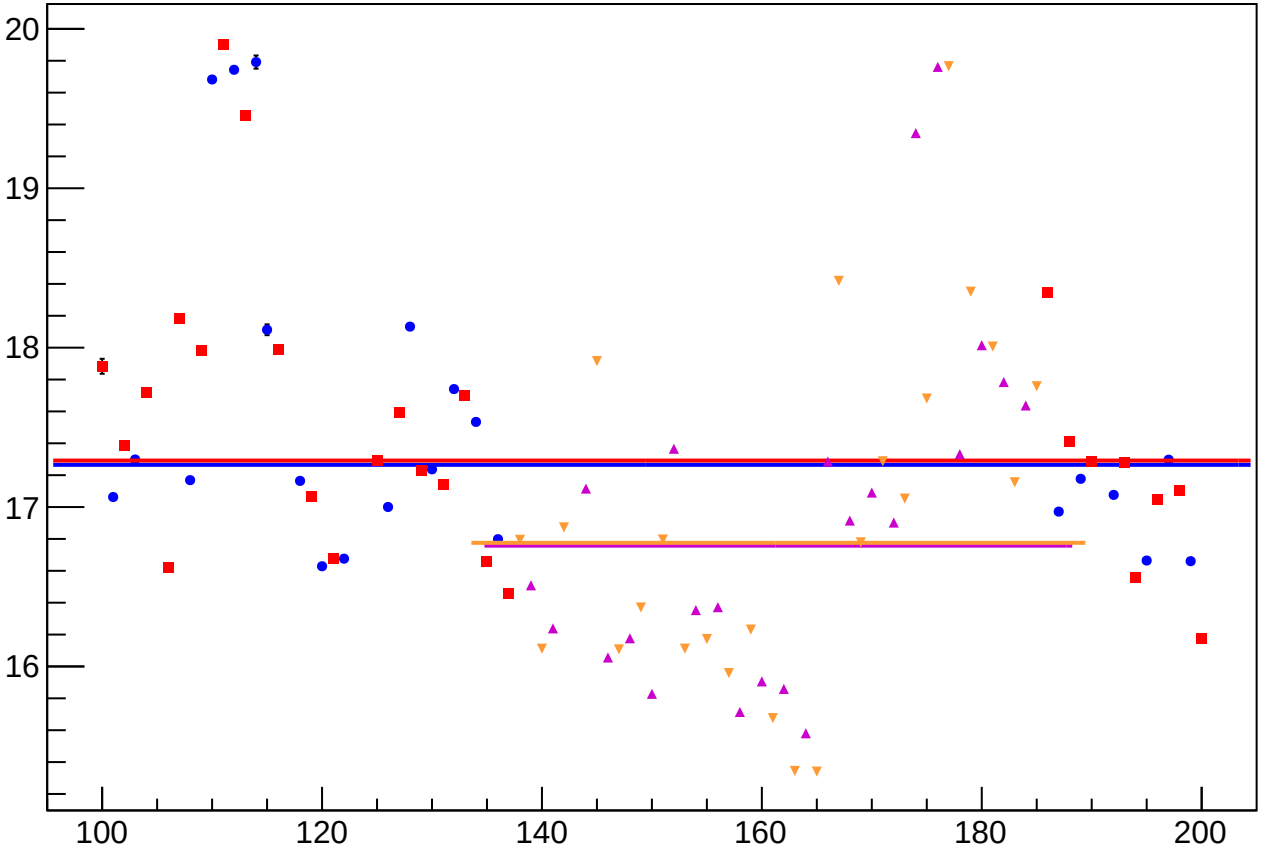
Right: -0.663+/-3.472 χ^2/NDF: 37.5/47

In: 2.035+/-3.108 χ^2/NDF:43.6/44

Out: 2.629+/-3.016 χ^2/NDF:45.2/49

All: 2.341+/-2.164 χ^2/NDF: 88.8/94

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

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

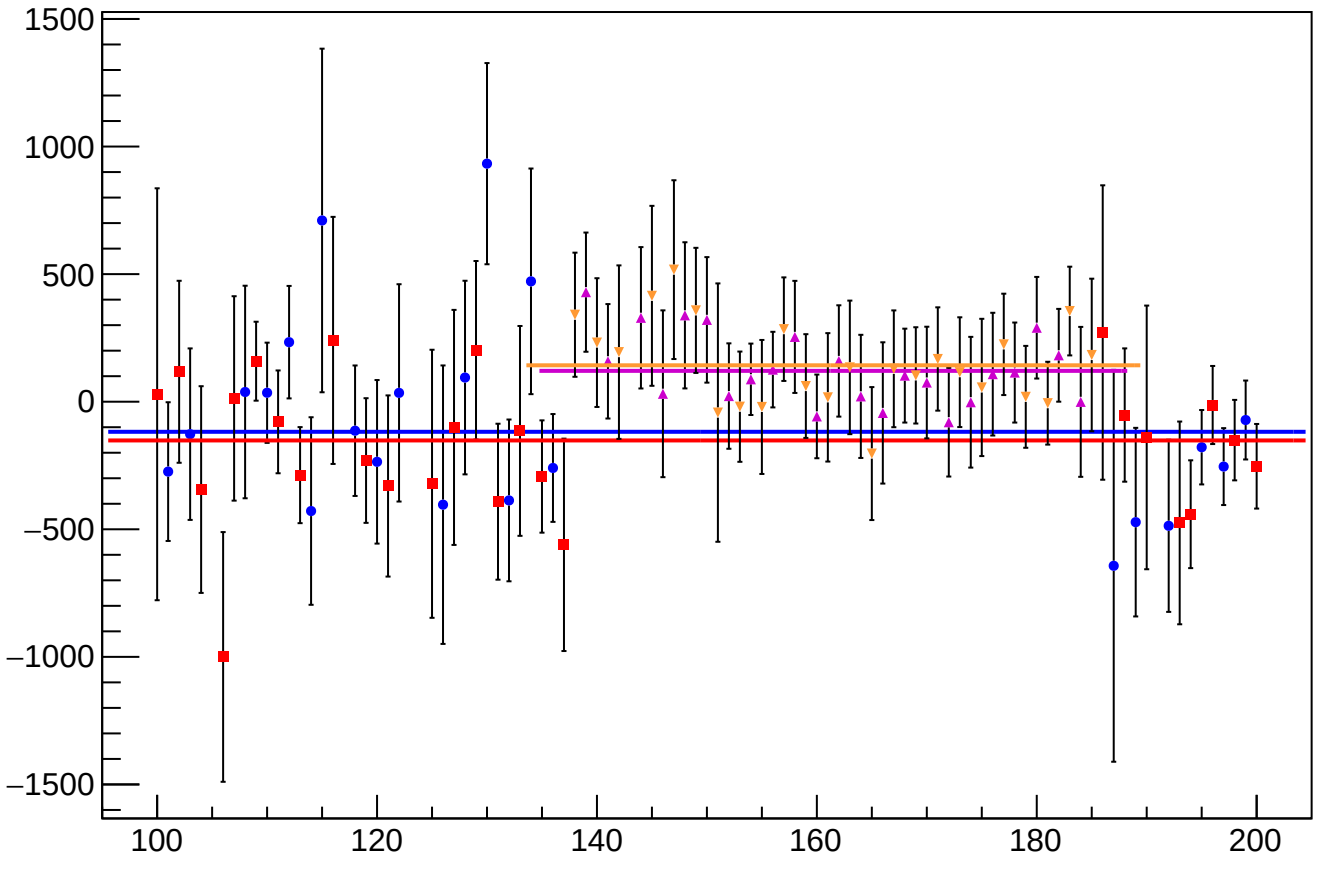
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.279+/-0.002 χ^2/NDF: 96187.2/47

In: 16.947+/-0.002 χ^2/NDF:179294.5/44

Out: 16.984+/-0.002 χ^2/NDF:202863.9/49

All: 16.966+/-0.002 χ^2/NDF: 382304.7/94



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

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

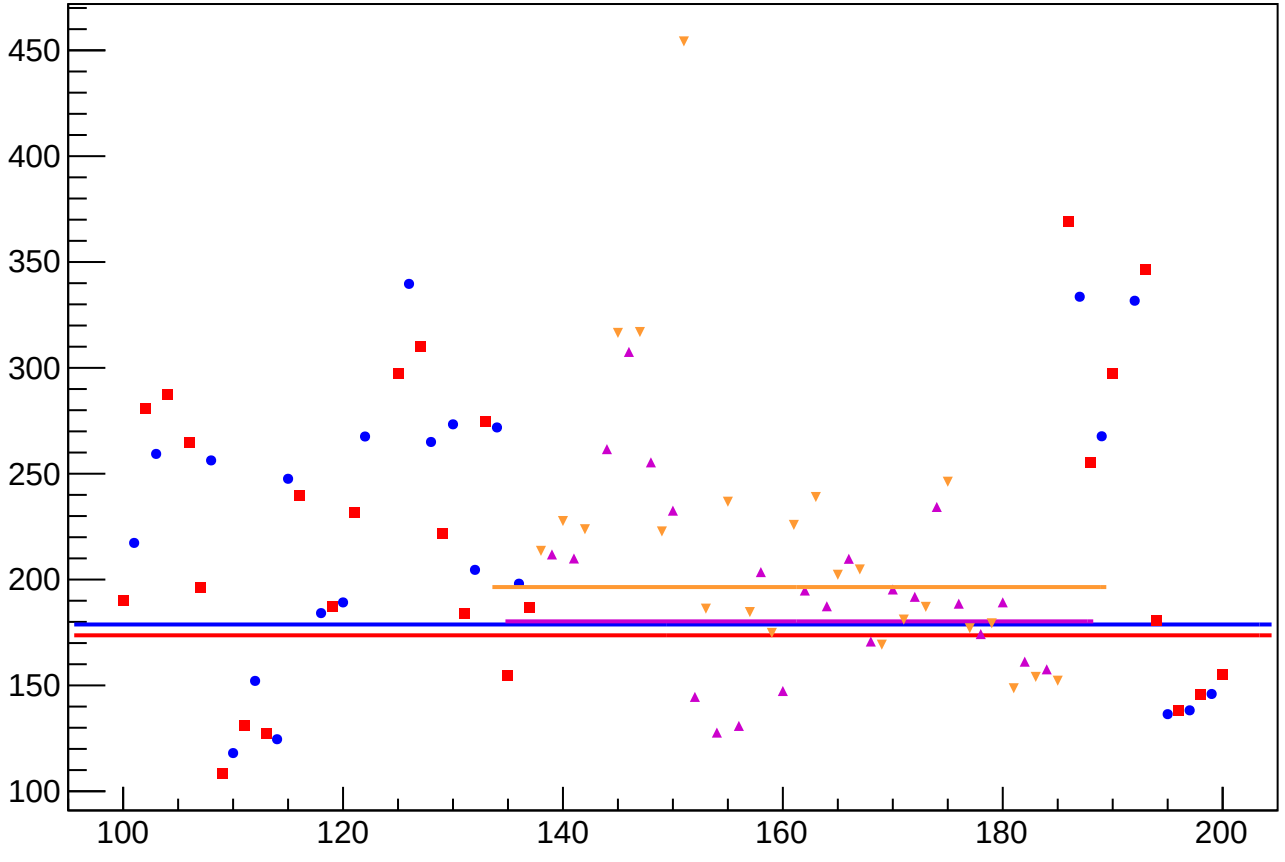
Right: -136.291+/-37.843 χ^2/NDF: 37.9/47

In: 29.596+/-34.577 χ^2/NDF:39.9/44

Out: 7.690+/-34.800 χ^2/NDF:45.2/49

All: 18.713+/-24.528 χ^2/NDF: 85.3/94

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

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

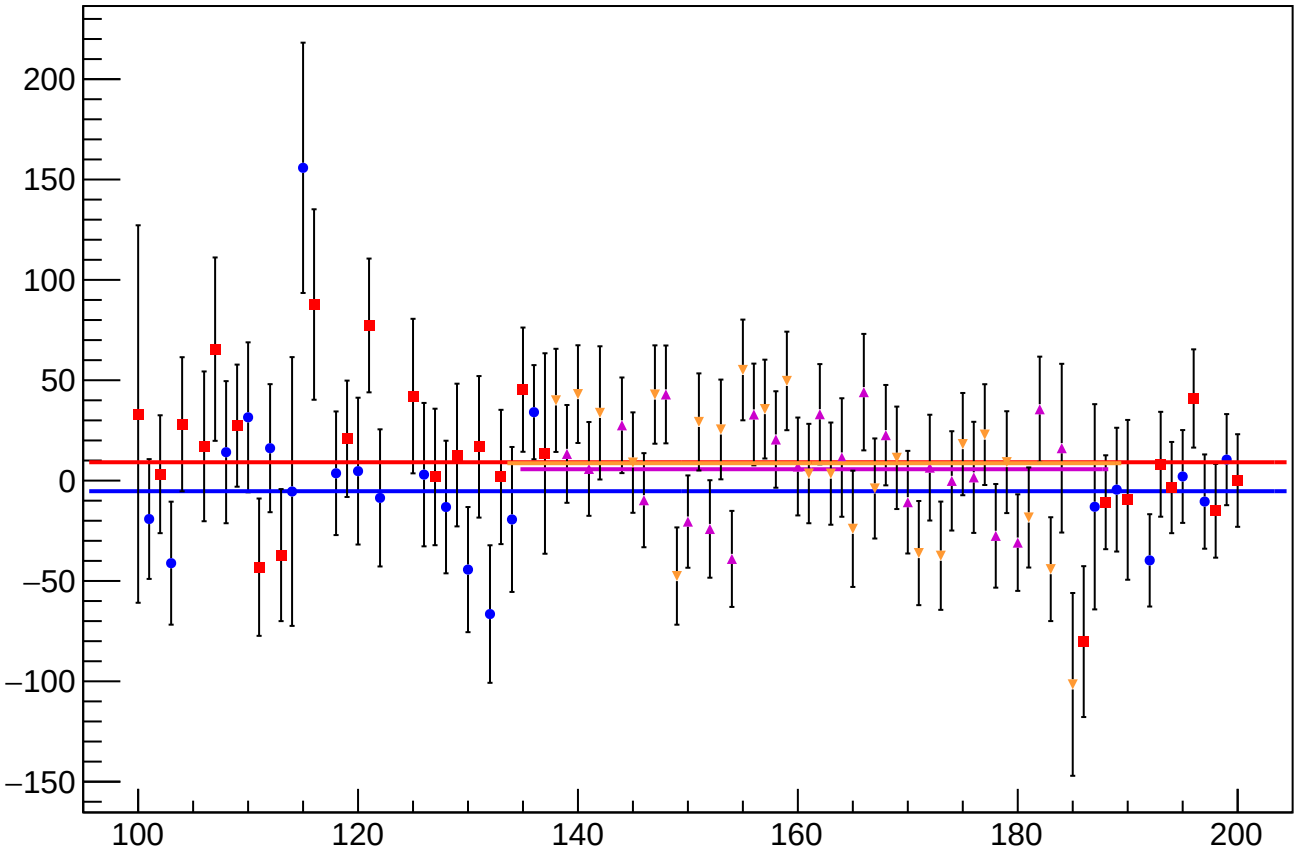
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 176.004+/-0.027 χ^2/NDF: 4791171.1/47

In: 179.686+/-0.024 χ^2/NDF:3750536.1/44

Out: 186.003+/-0.025 χ^2/NDF:4596709.7/49

All: 182.825+/-0.017 χ^2/NDF: 8380407.5/94



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

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

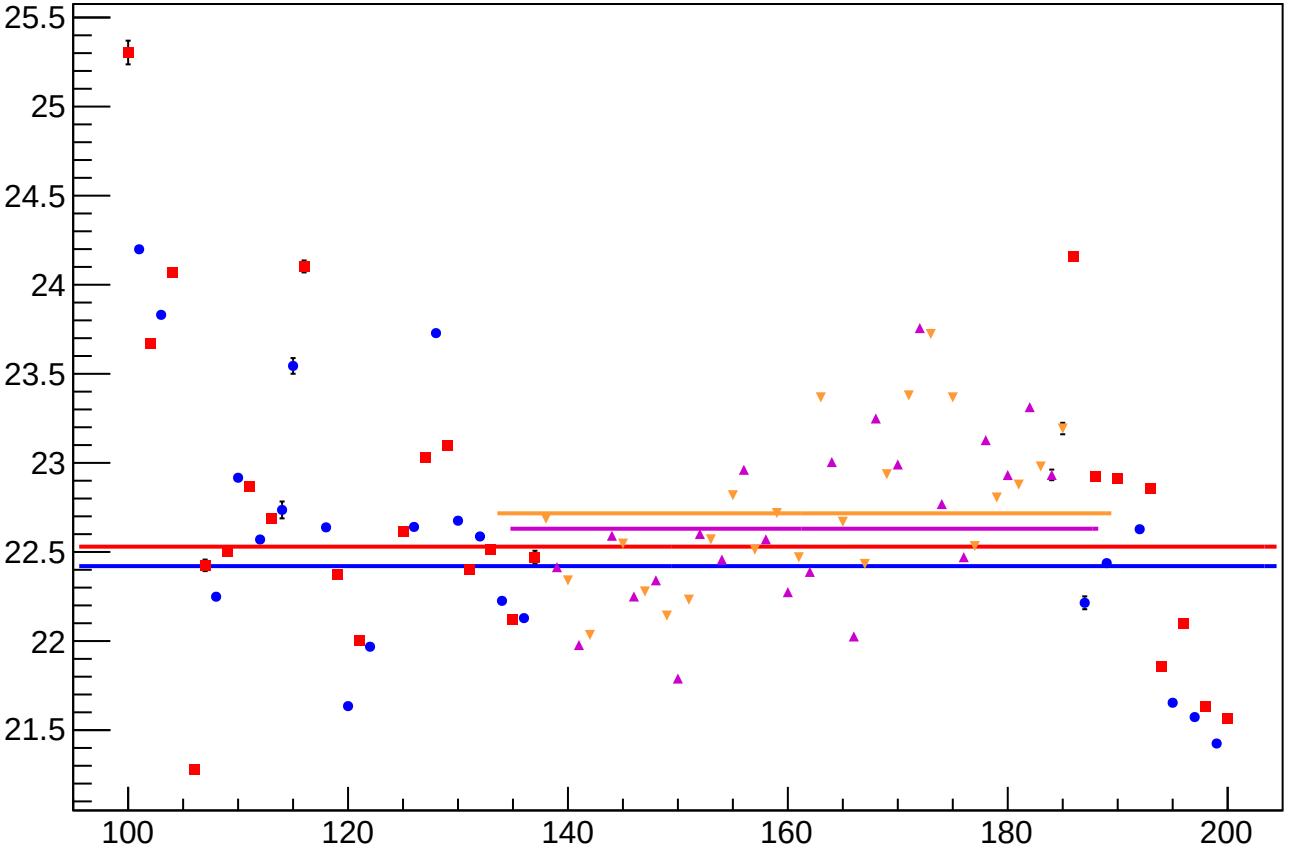
Right: 2.407+/-4.512 χ^2/NDF: 49.3/47

In: 1.390+/-4.127 χ^2/NDF:43.4/44

Out: 8.867+/-4.012 χ^2/NDF:65.0/49

All: 5.234+/-2.877 χ^2/NDF: 110.1/94

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

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

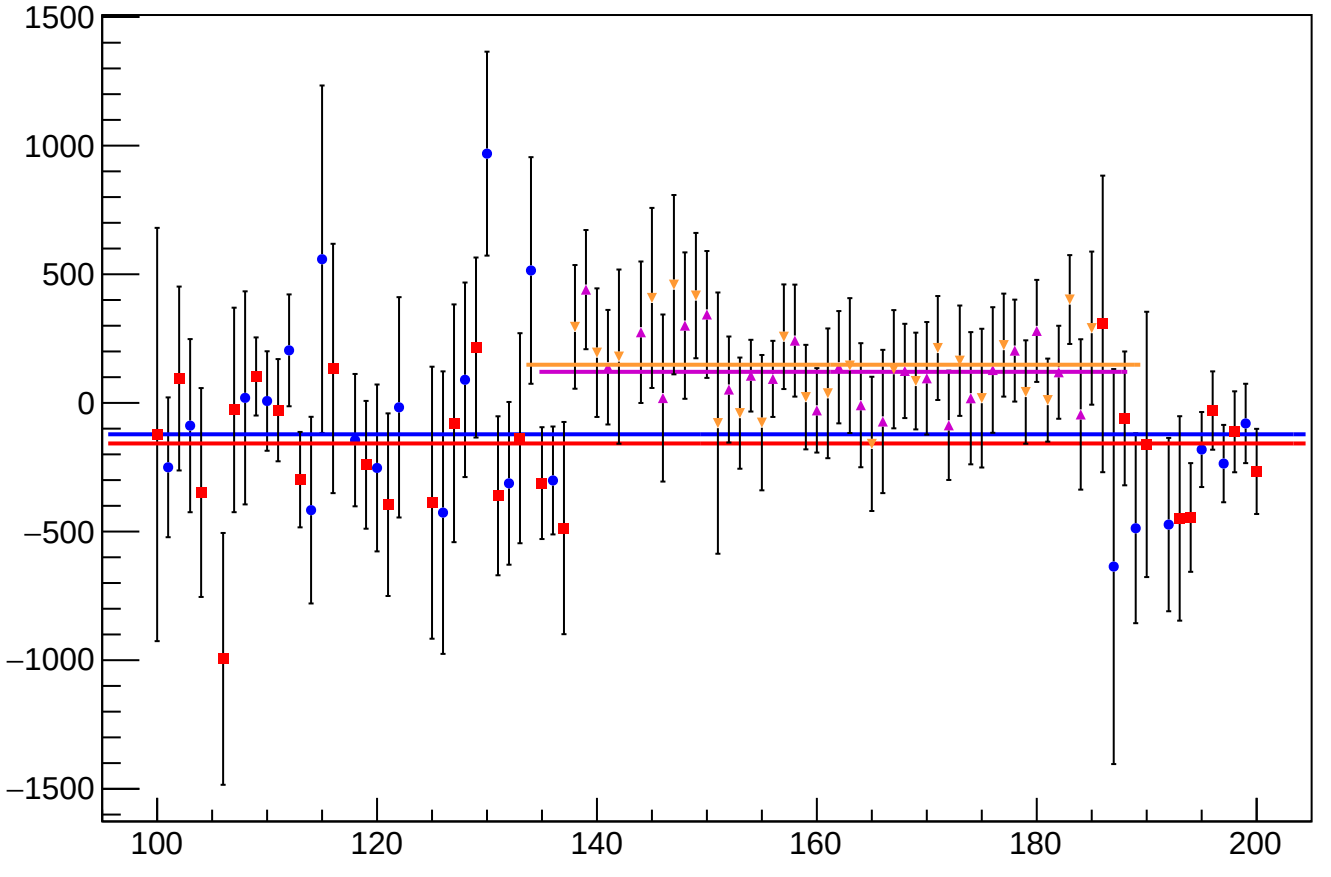
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.479+/-0.003 χ^2/NDF: 55983.9/47

In: 22.549+/-0.003 χ^2/NDF:43083.6/44

Out: 22.638+/-0.003 χ^2/NDF:42468.9/49

All: 22.595+/-0.002 χ^2/NDF: 86037.2/94



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

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

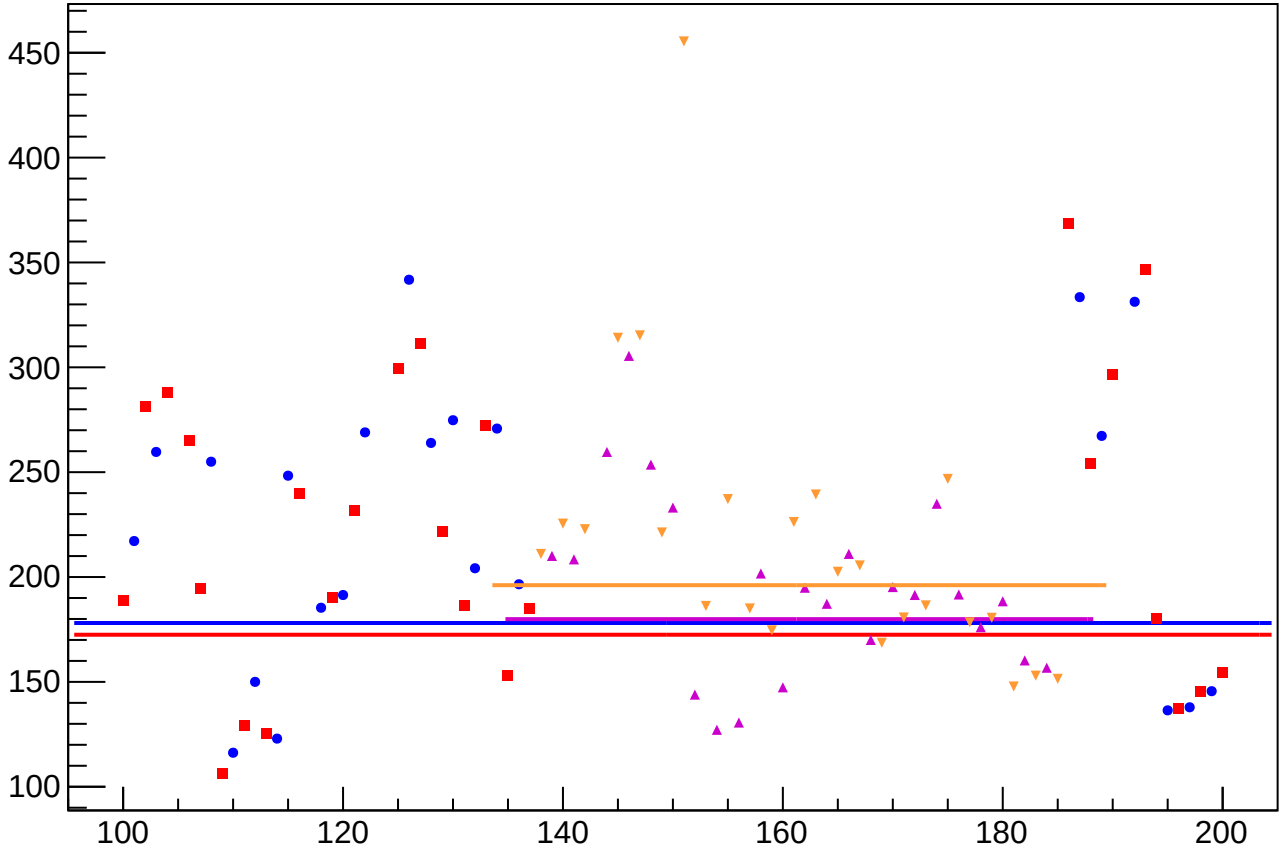
Right: -141.329+/-37.684 χ^2/NDF: 35.8/47

In: 27.808+/-34.500 χ^2/NDF:39.2/44

Out: 7.586+/-34.688 χ^2/NDF:46.2/49

All: 17.752+/-24.462 χ^2/NDF: 85.6/94

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

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

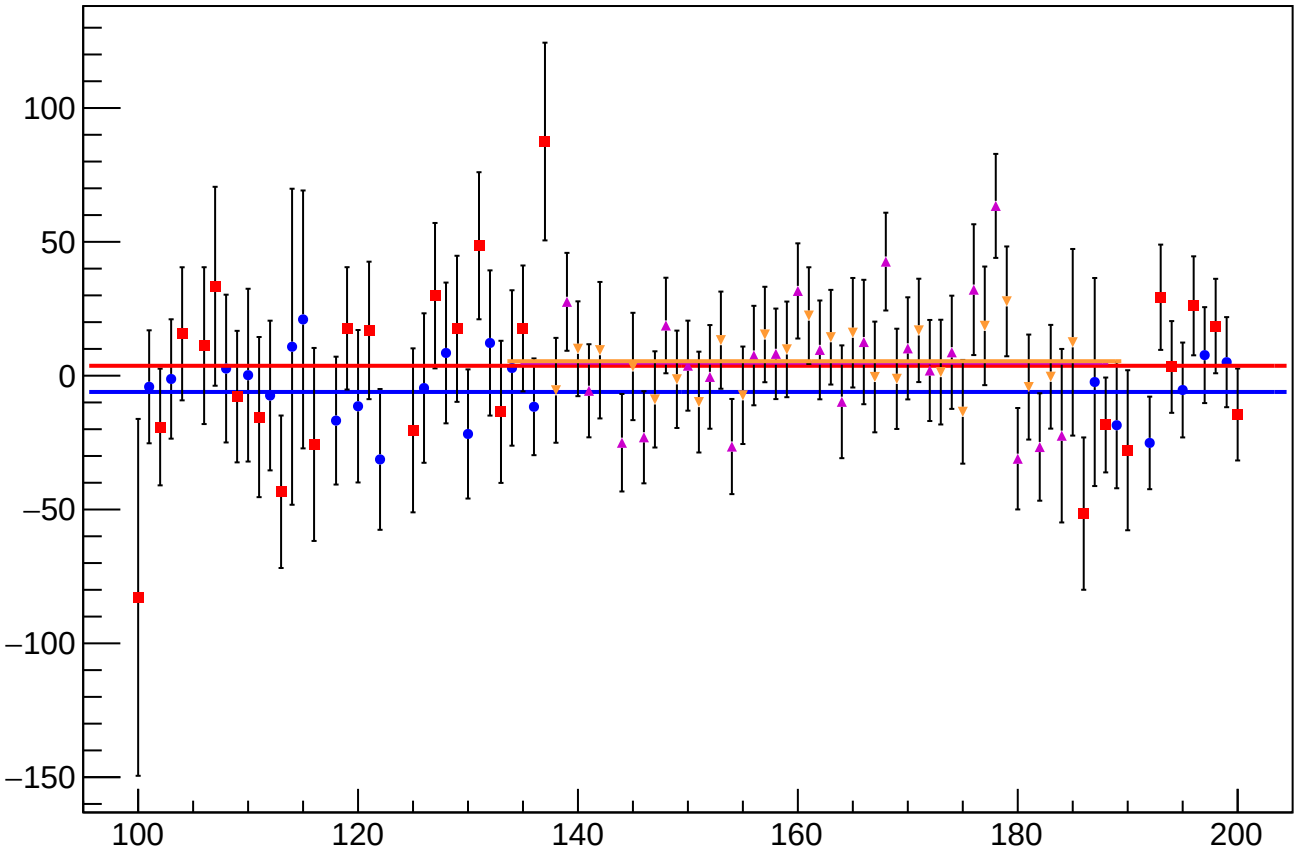
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 175.041+/-0.027 χ^2/NDF: 4898557.9/47

In: 179.218+/-0.024 χ^2/NDF:3779337.7/44

Out: 185.238+/-0.025 χ^2/NDF:4690577.9/49

All: 182.212+/-0.017 χ^2/NDF: 8500204.6/94



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

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

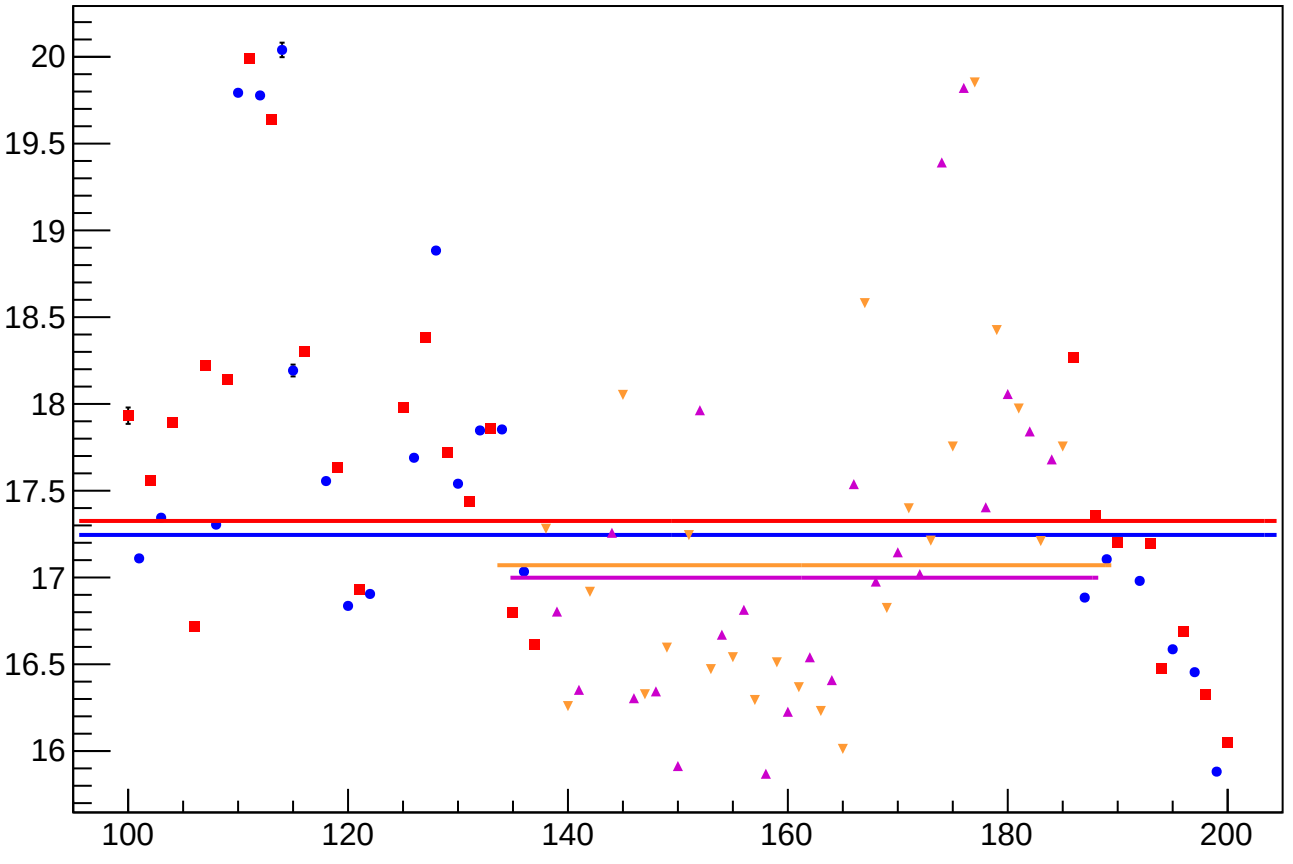
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -0.867+/-3.475 χ^2/NDF: 37.8/47

In: 0.704+/-3.135 χ^2/NDF:44.0/44

Out: 4.704+/-3.049 χ^2/NDF:38.1/49

All: 2.759+/-2.186 χ^2/NDF: 82.9/94



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

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

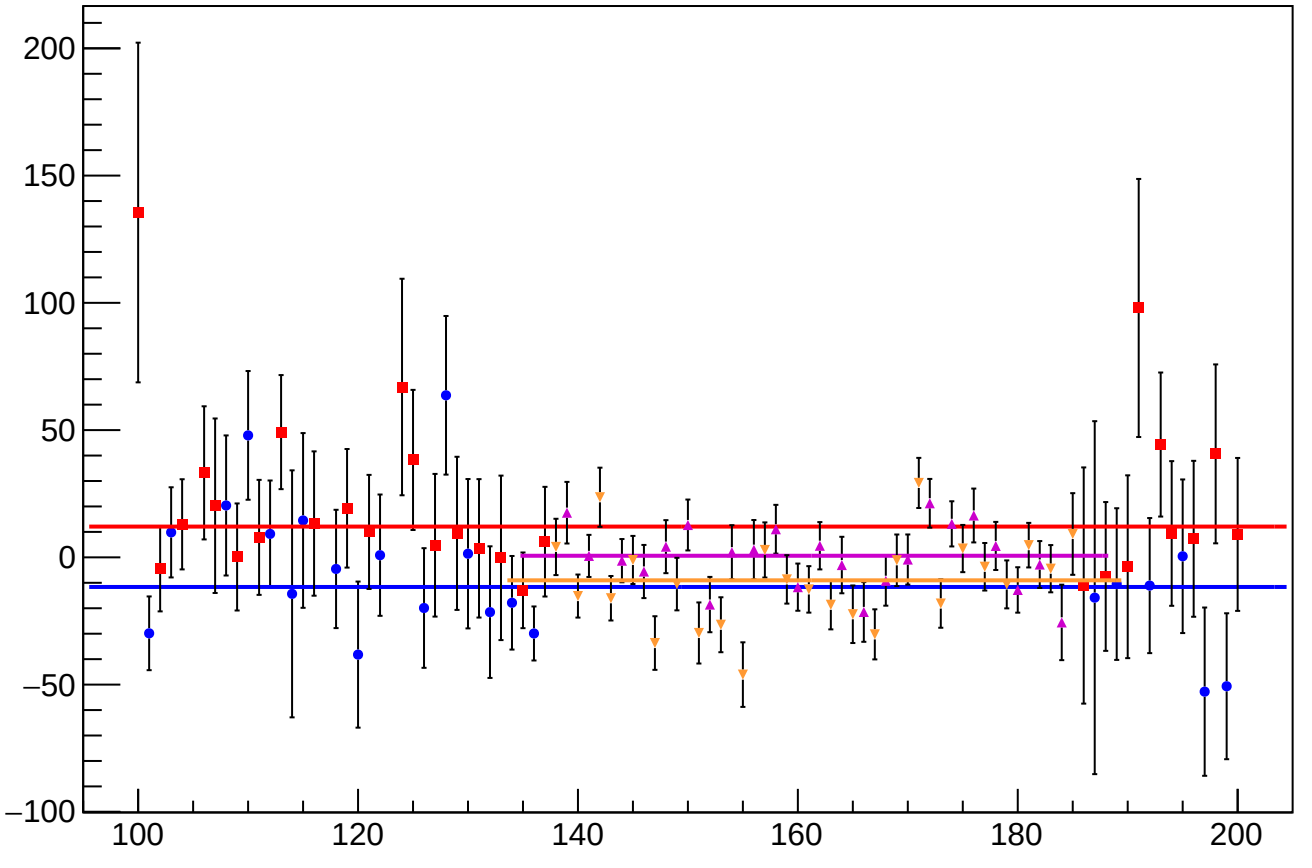
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 17.288+/-0.002 χ^2/NDF: 137801.4/47

In: 17.092+/-0.002 χ^2/NDF:173481.8/44

Out: 17.175+/-0.002 χ^2/NDF:170686.6/49

All: 17.135+/-0.002 χ^2/NDF: 344890.1/94



Right In: -11.636+/-4.849 χ^2/NDF: 25.7/21

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

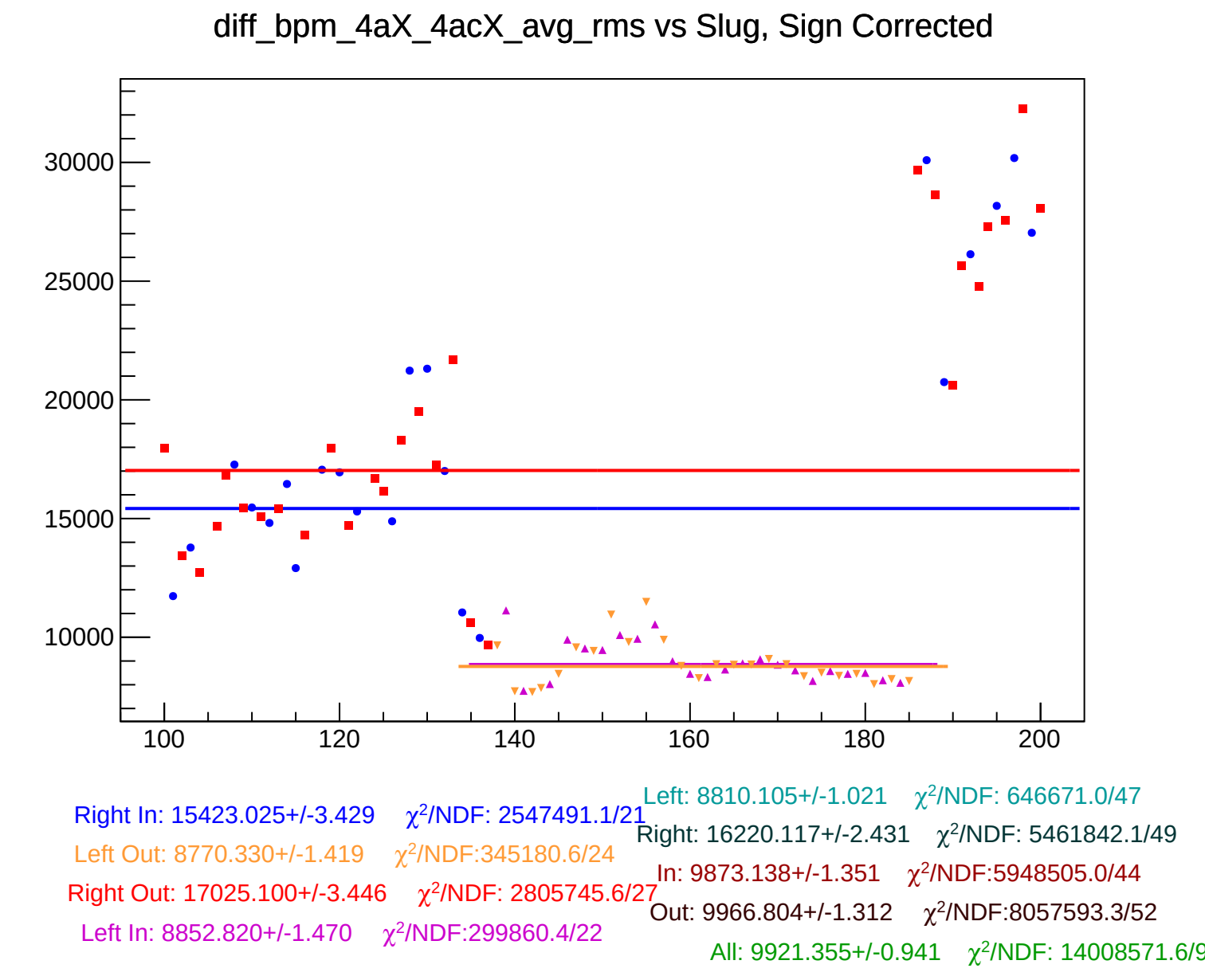
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: 0.169+/-3.437 χ^2/NDF: 57.5/49

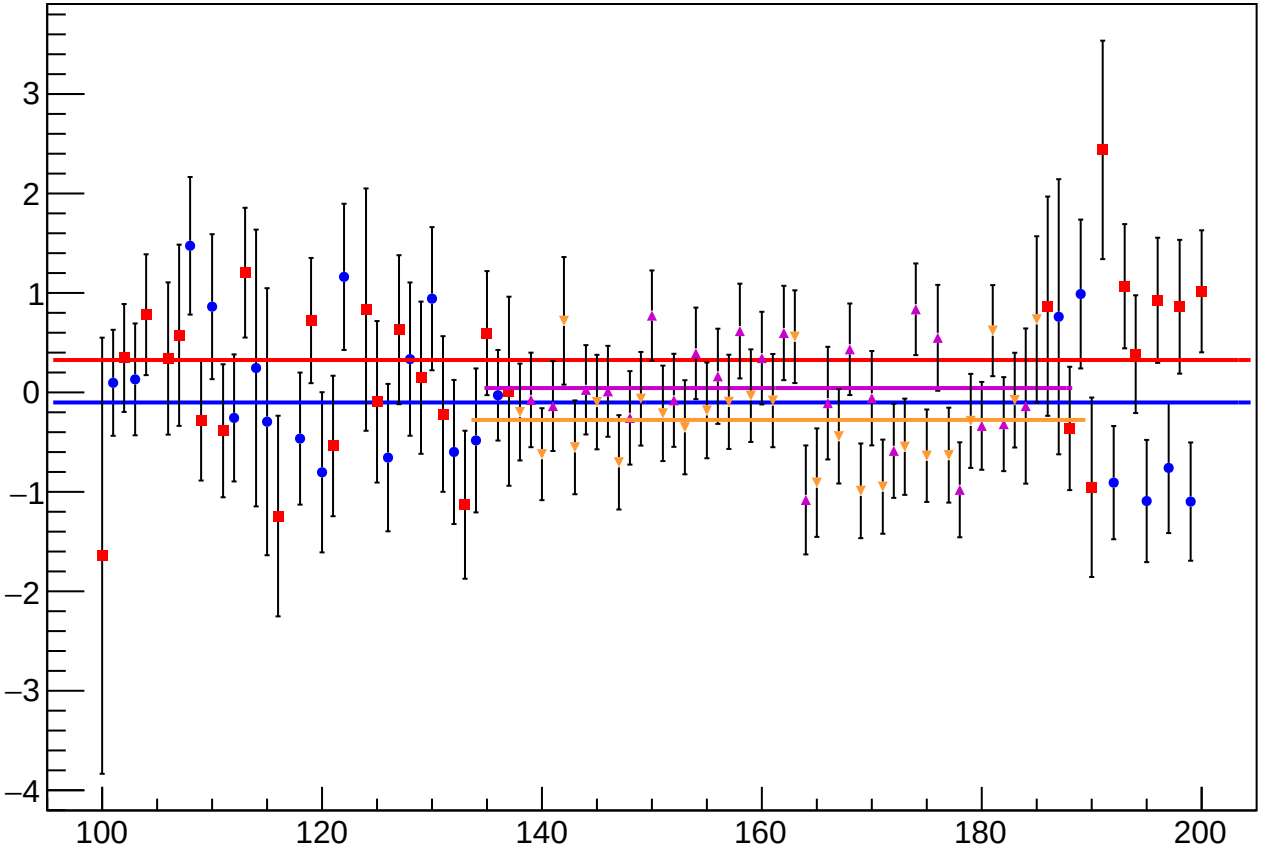
In: -1.277+/-1.911 χ^2/NDF:60.6/44

Out: -5.966+/-1.855 χ^2/NDF:97.9/52

All: -3.691+/-1.331 χ^2/NDF: 161.6/97


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15423.025+/-3.429 χ²/NDF: 2547491.1/21
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 17025.100+/-3.446 χ²/NDF: 2805745.6/27
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 16220.117+/-2.431 χ²/NDF: 5461842.1/49
In: 9873.138+/-1.351 χ²/NDF:5948505.0/44
Out: 9966.804+/-1.312 χ²/NDF:8057593.3/52
All: 9921.355+/-0.941 χ²/NDF: 14008571.6/9

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.101+/-0.146 χ^2/NDF: 26.1/21

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

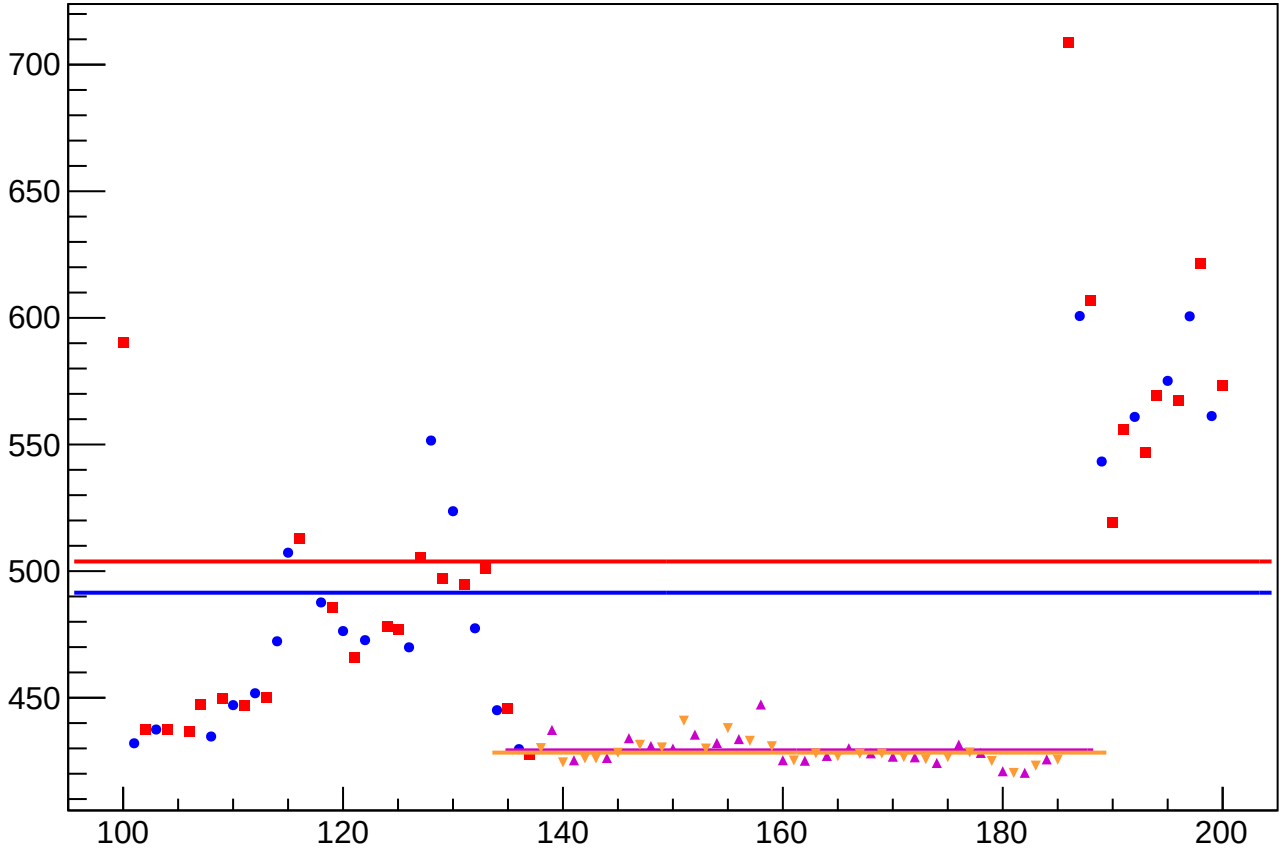
Right: 0.125+/-0.100 χ^2/NDF: 57.0/49

In: -0.003+/-0.083 χ^2/NDF:50.6/44

Out: -0.075+/-0.079 χ^2/NDF:60.2/52

All: -0.040+/-0.057 χ^2/NDF: 111.2/97

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 491.484+/-0.103 χ^2/NDF: 310287.2/21

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

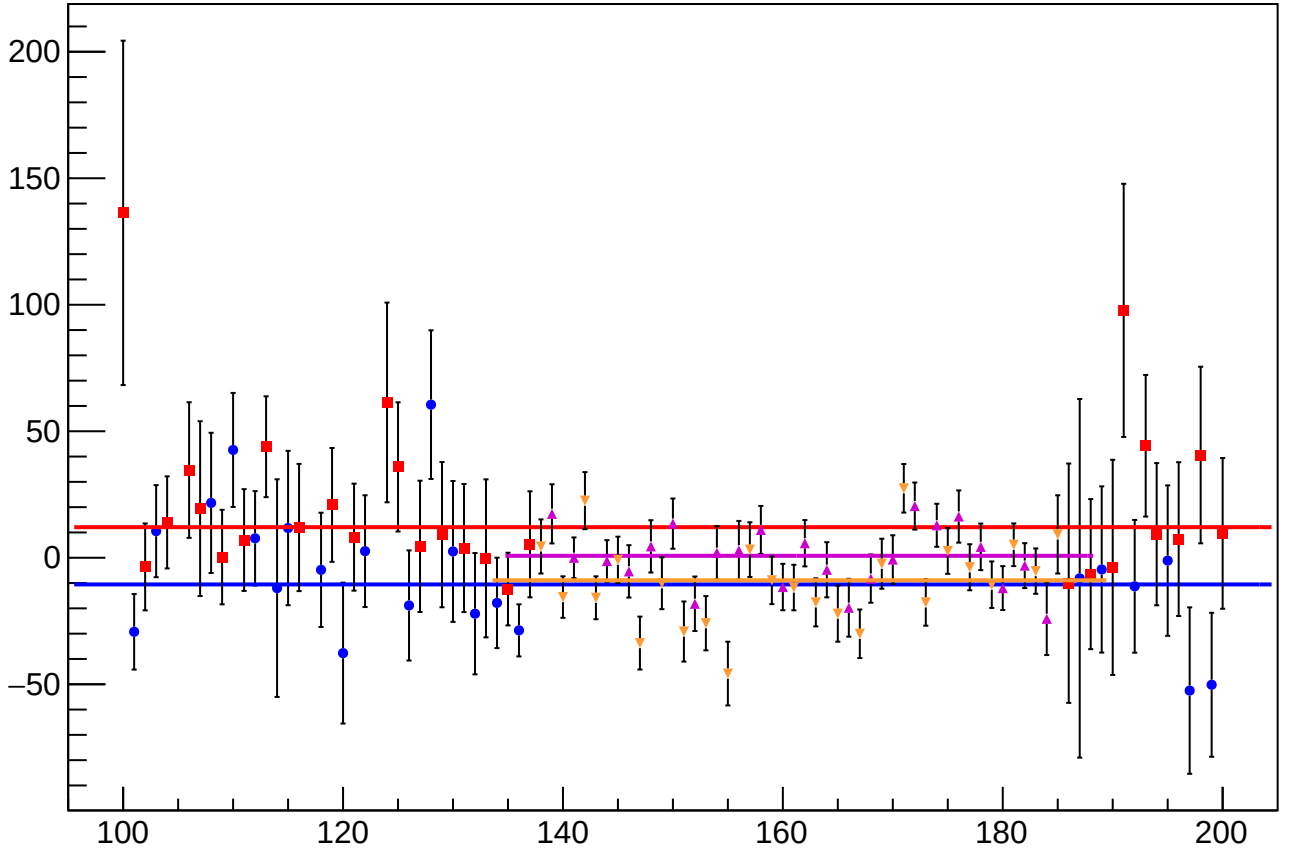
Right: 498.016+/-0.071 χ^2/NDF: 753513.7/49

In: 449.231+/-0.058 χ^2/NDF:564945.7/44

Out: 453.600+/-0.056 χ^2/NDF:842267.5/52

All: 451.502+/-0.040 χ^2/NDF: 1410123.1/97

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -10.540+/-4.698 χ^2/NDF: 26.1/21

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 12.088+/-4.703 χ^2/NDF: 19.6/27

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

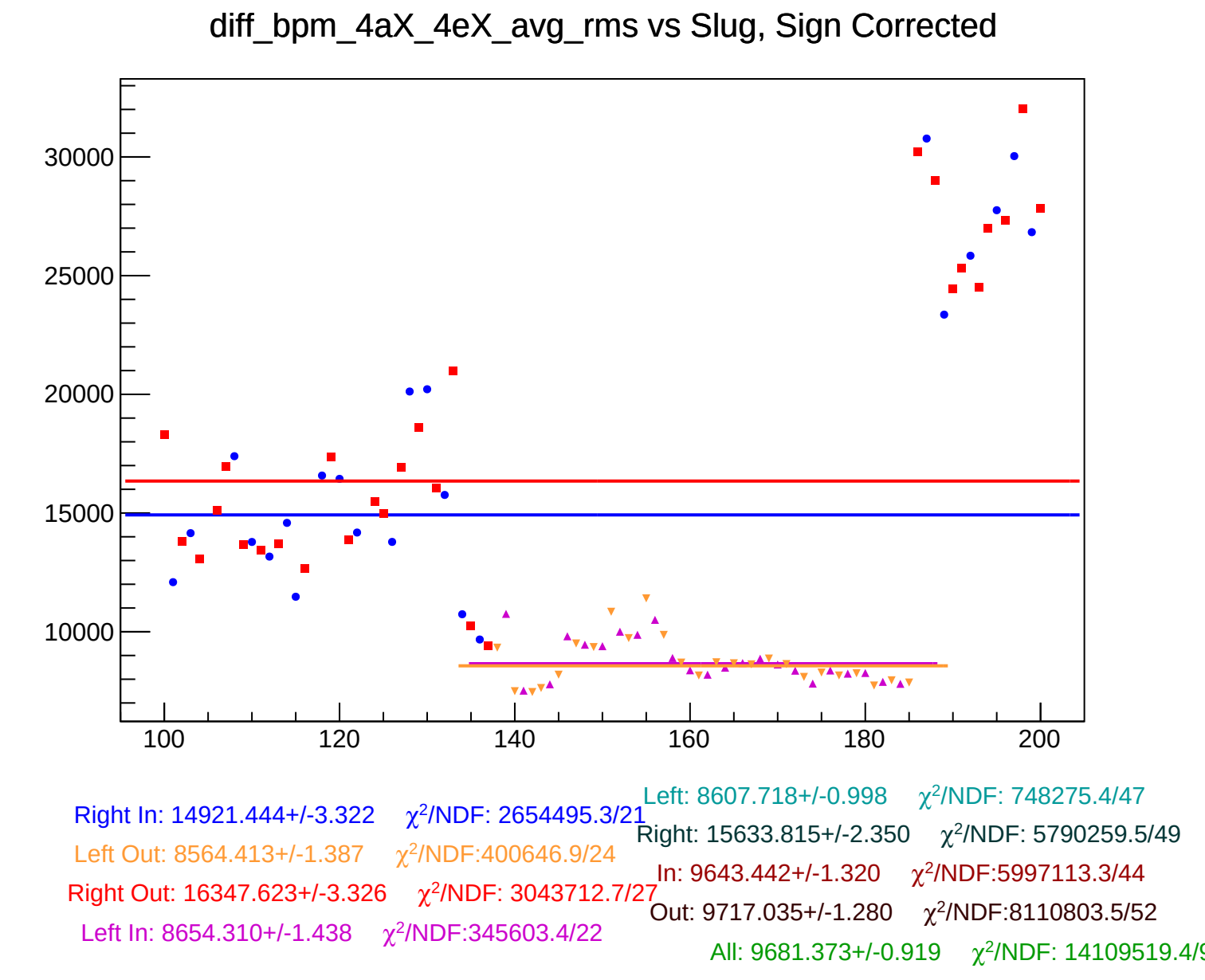
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

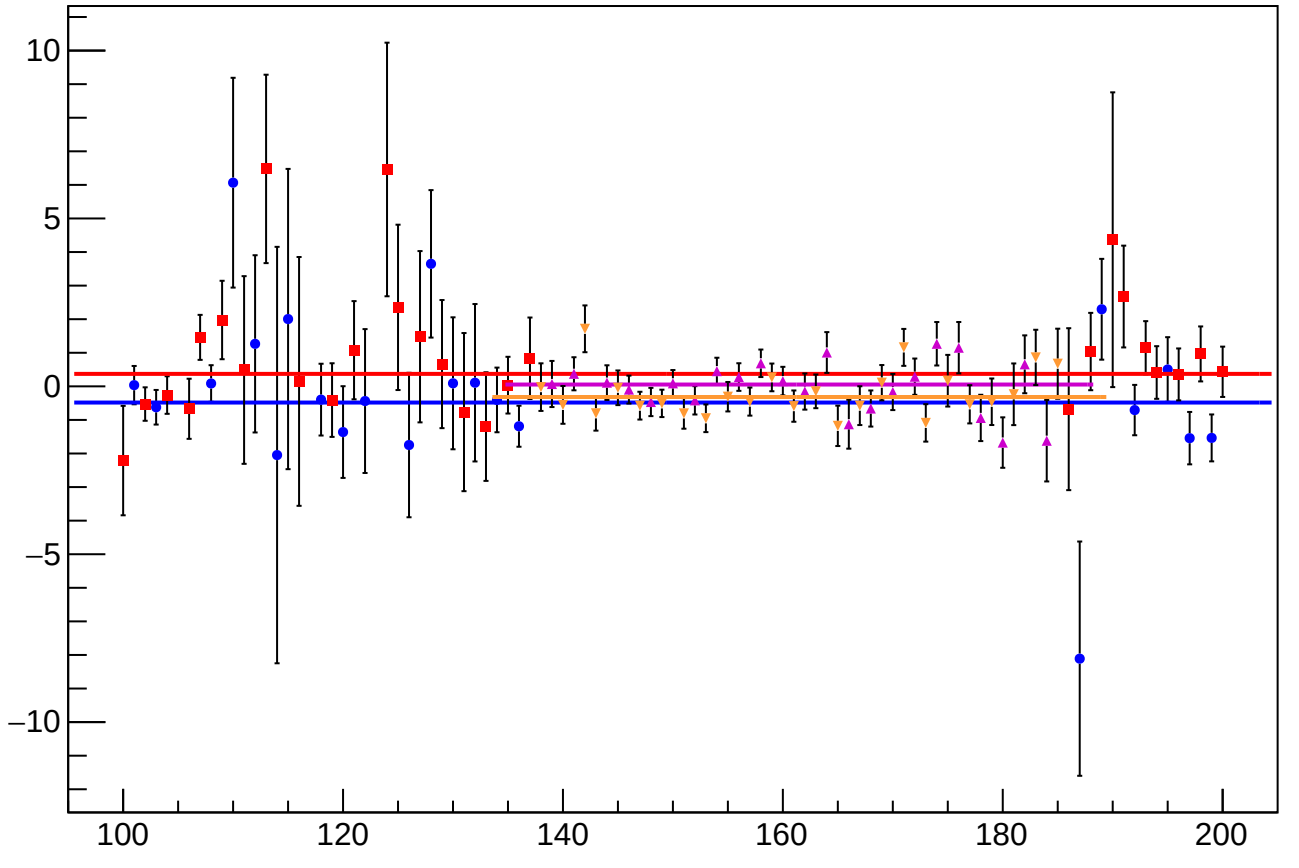
Right: 0.763+/-3.324 χ^2/NDF: 57.3/49

In: -1.013+/-1.867 χ^2/NDF:60.3/44

Out: -5.795+/-1.810 χ^2/NDF:98.2/52

All: -3.478+/-1.299 χ^2/NDF: 161.9/97


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14921.444+/-3.322 χ²/NDF: 2654495.3/21
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: 15633.815+/-2.350 χ²/NDF: 5790259.5/49
In: 9643.442+/-1.320 χ²/NDF:5997113.3/44
Out: 9717.035+/-1.280 χ²/NDF:8110803.5/52
All: 9681.373+/-0.919 χ²/NDF: 14109519.4/9



Right In: -0.482+/-0.205 χ^2/NDF: 26.4/21

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

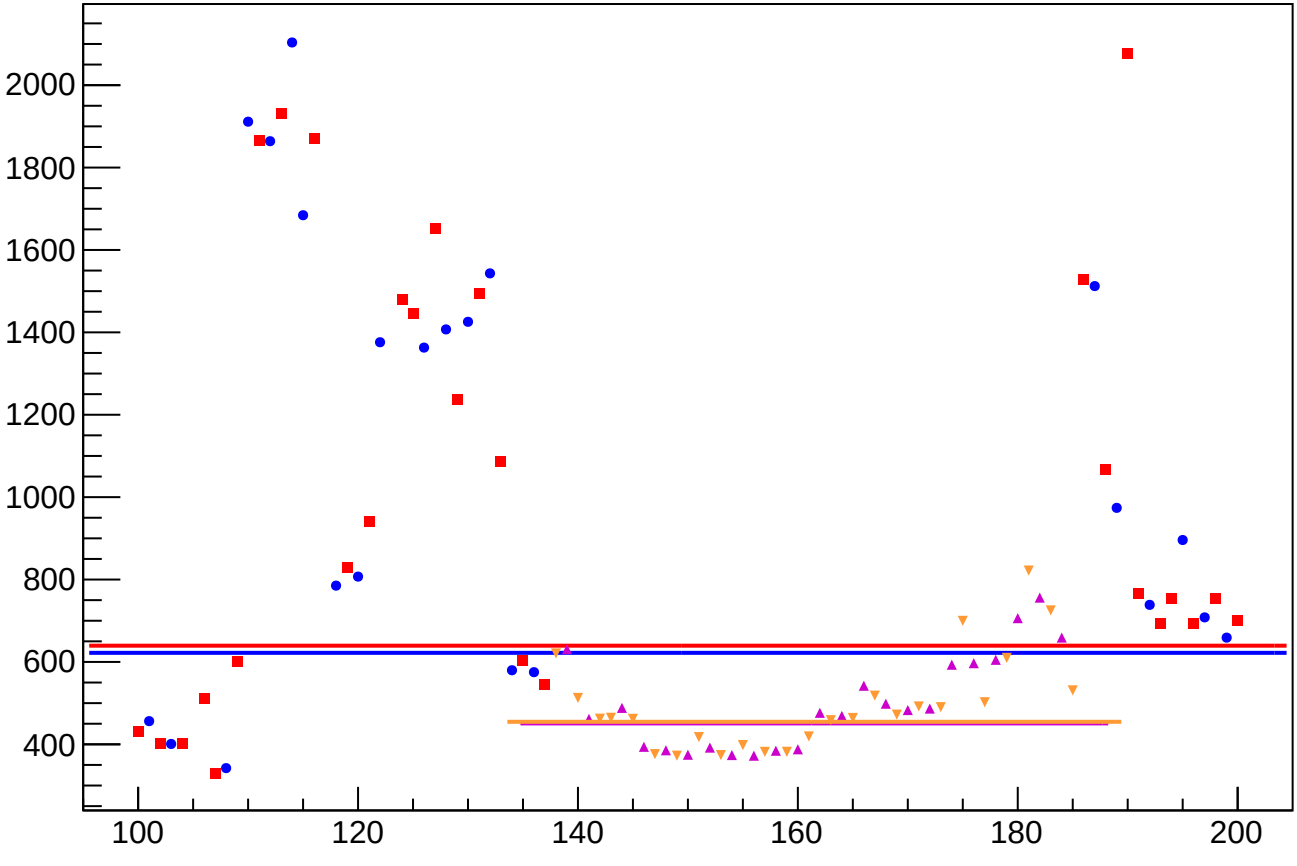
Right: -0.035+/-0.141 χ^2/NDF: 64.1/49

In: -0.063+/-0.096 χ^2/NDF:61.6/44

Out: -0.160+/-0.093 χ^2/NDF:70.4/52

All: -0.113+/-0.067 χ^2/NDF: 132.6/97

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 622.097+/-0.145 χ^2/NDF: 4038207.1/21

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

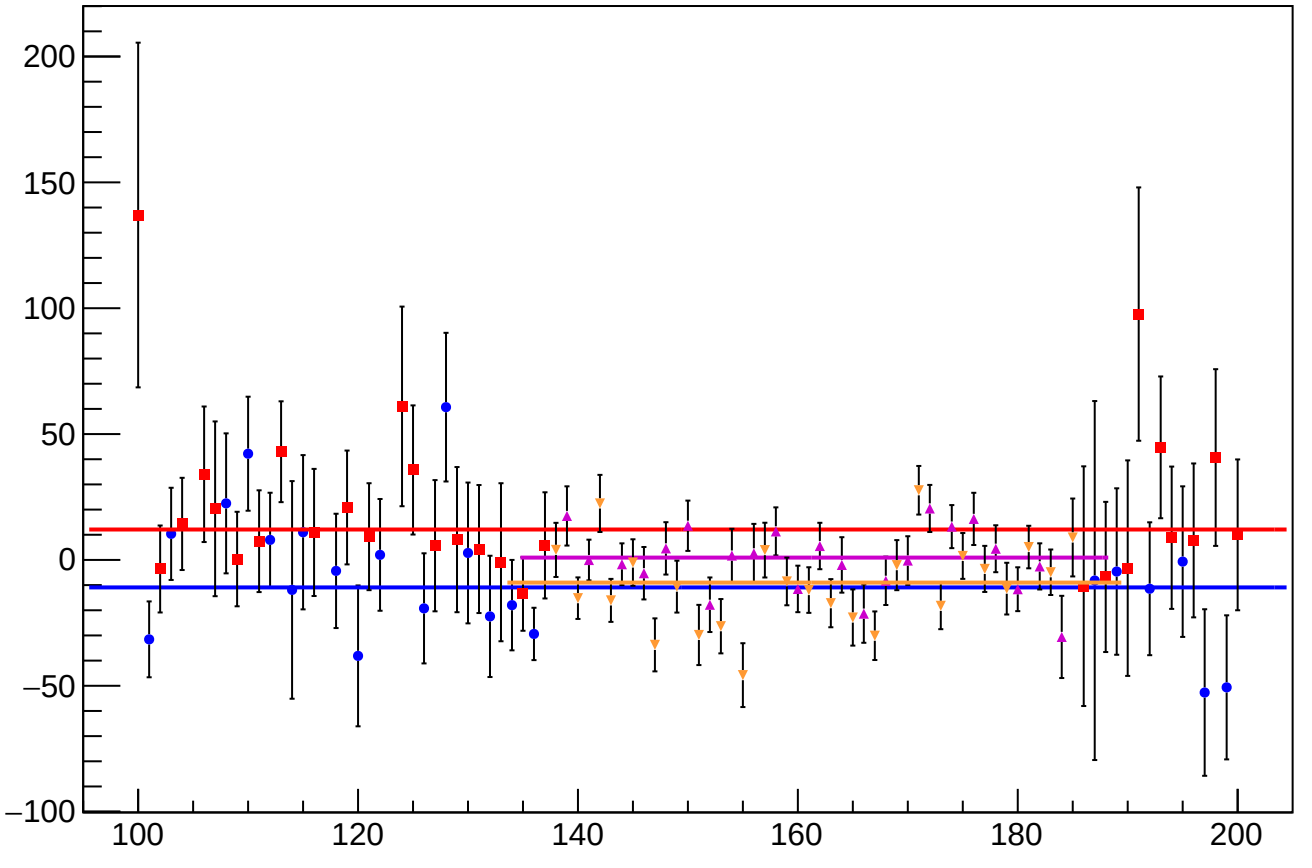
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

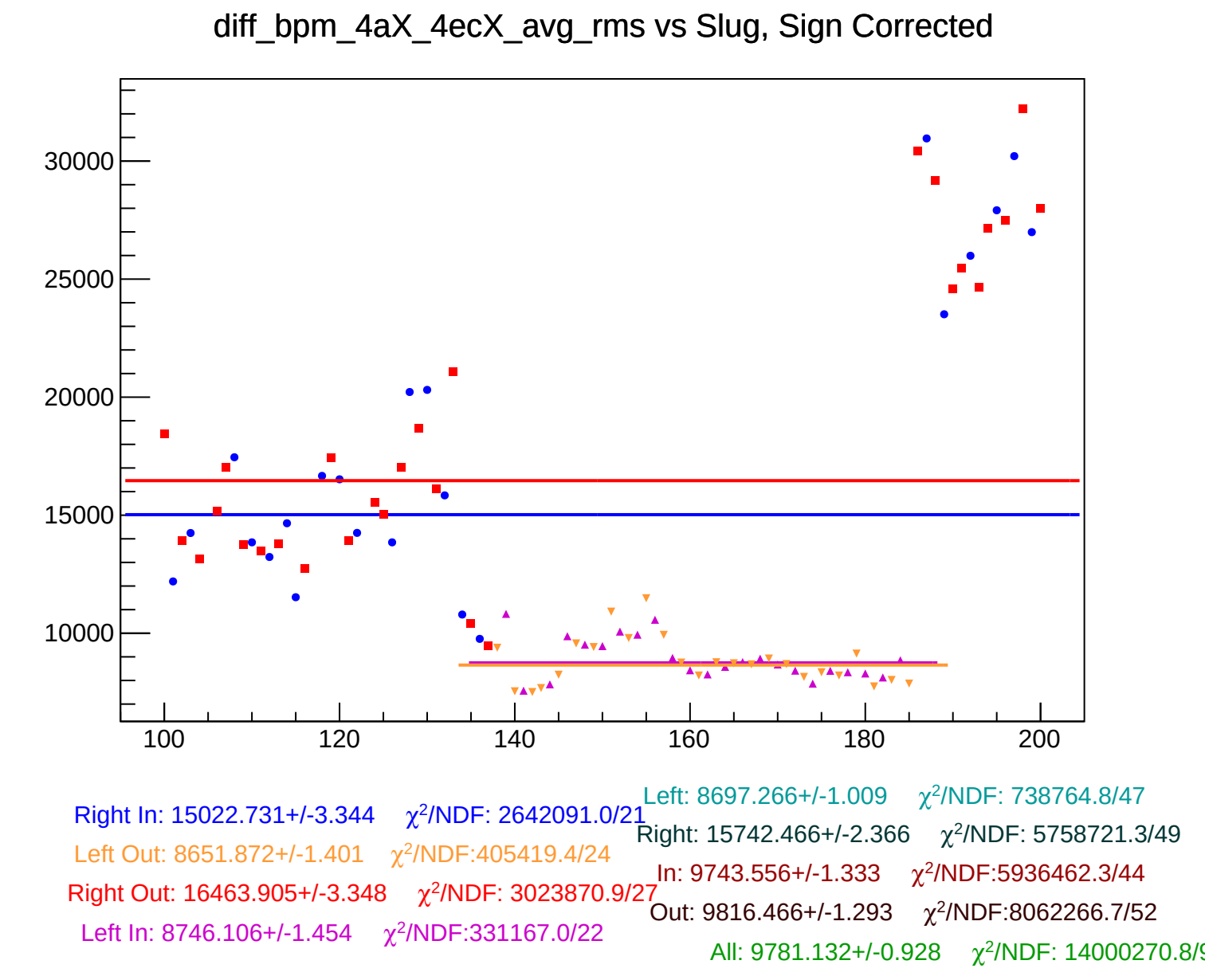
Right: 631.208+/-0.100 χ^2/NDF: 8689964.1/49

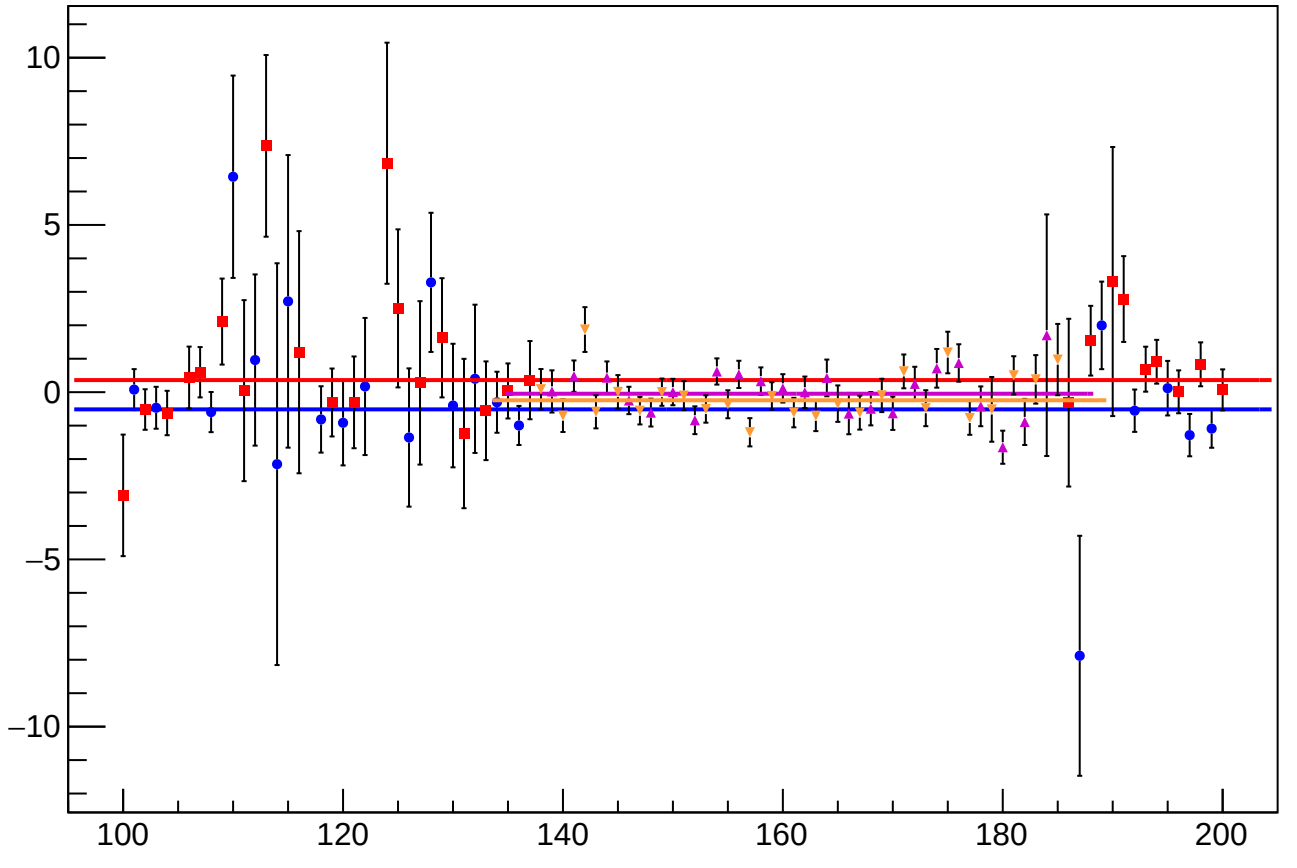
In: 488.136+/-0.068 χ^2/NDF:6604734.9/44

Out: 496.858+/-0.066 χ^2/NDF:7482811.7/52

All: 492.613+/-0.047 χ^2/NDF: 14096088.6/97


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.920+/-4.729 χ²/NDF: 26.5/21
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 12.088+/-4.735 χ²/NDF: 19.5/27
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.570+/-3.346 χ²/NDF: 57.8/49
In: -0.957+/-1.885 χ²/NDF:61.7/44
Out: -5.857+/-1.828 χ²/NDF:97.6/52
All: -3.482+/-1.312 χ²/NDF: 162.8/97


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15022.731+/-3.344 χ²/NDF: 2642091.0/21
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: 15742.466+/-2.366 χ²/NDF: 5758721.3/49
In: 9743.556+/-1.333 χ²/NDF:5936462.3/44
Out: 9816.466+/-1.293 χ²/NDF:8062266.7/52
All: 9781.132+/-0.928 χ²/NDF: 14000270.8/9



Right In: -0.514+/-0.198 χ^2/NDF: 22.9/21

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

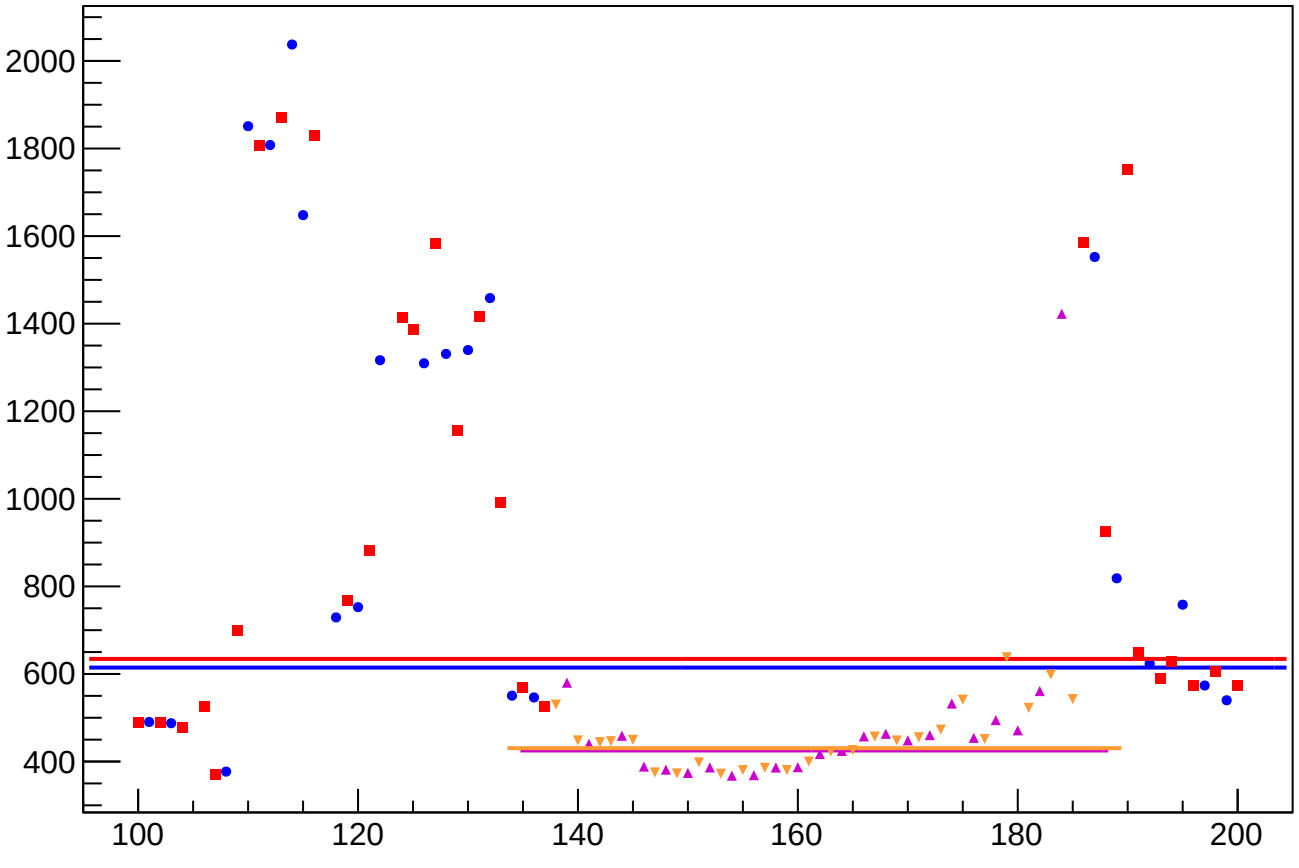
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.056+/-0.137 χ^2/NDF: 63.4/49

In: -0.144+/-0.090 χ^2/NDF:62.4/44

Out: -0.110+/-0.089 χ^2/NDF:72.6/52

All: -0.127+/-0.063 χ^2/NDF: 135.0/97



Right In: 614.565+/-0.140 χ^2/NDF: 3143940.3/21

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

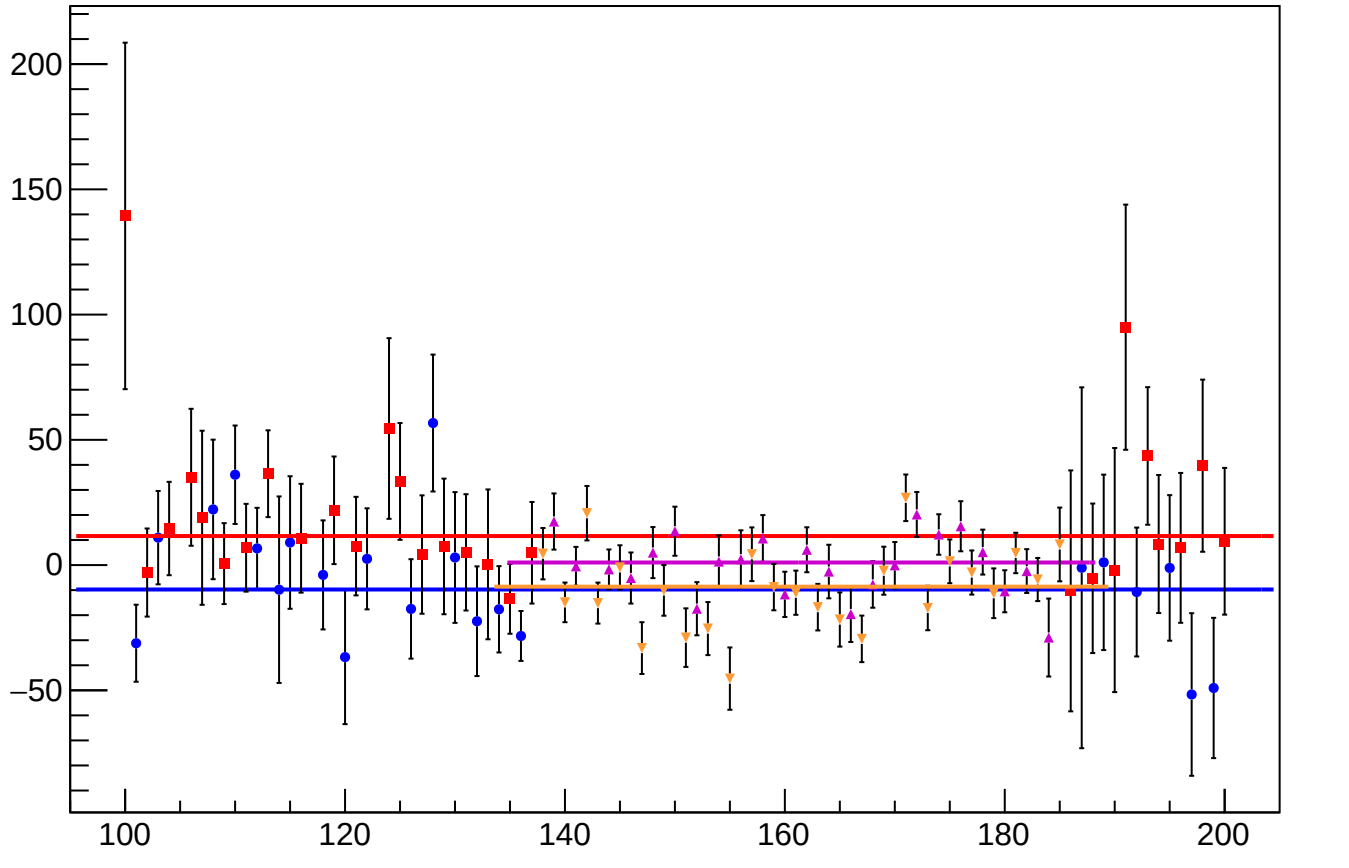
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

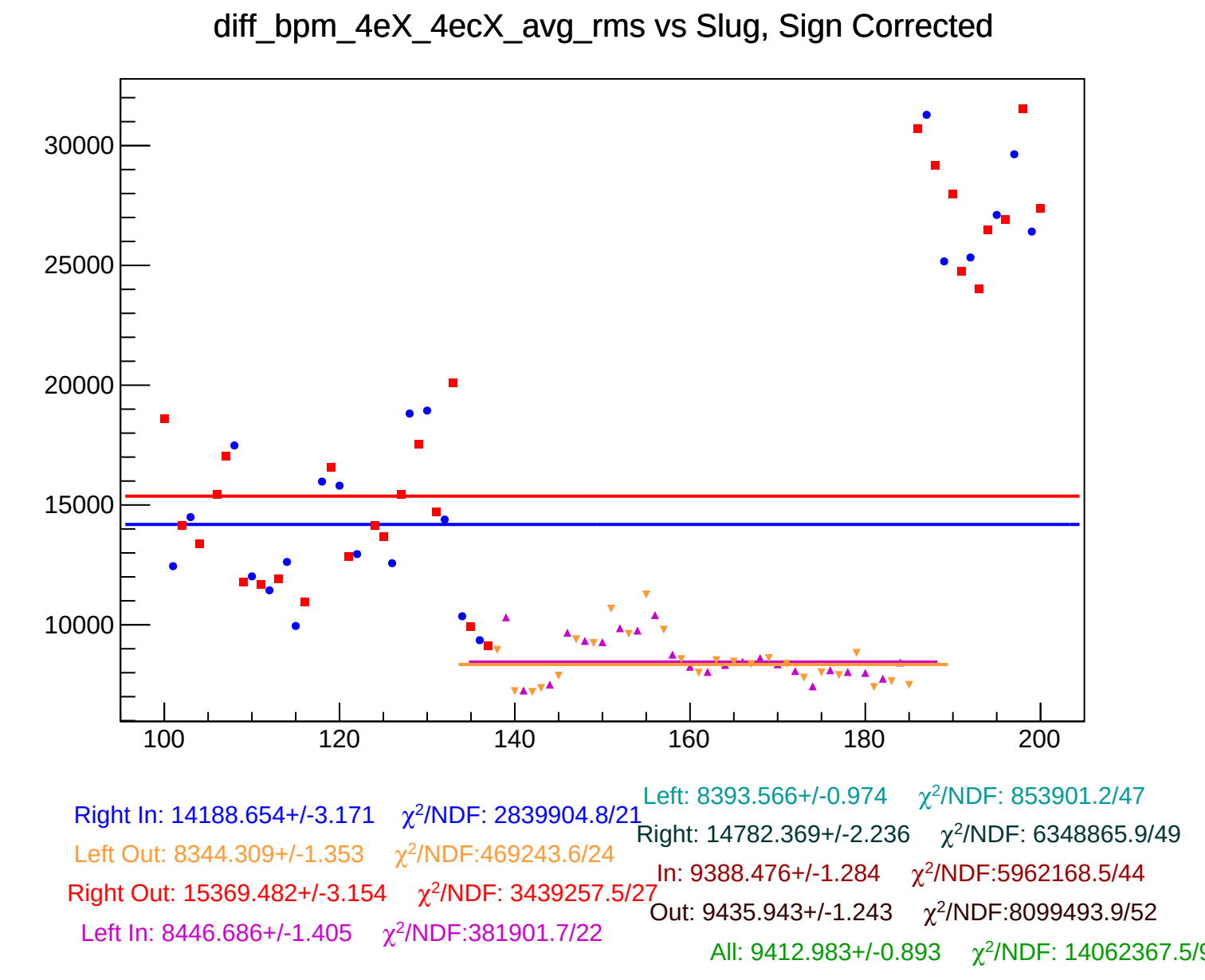
Right: 624.919+/-0.097 χ^2/NDF: 6592749.3/49

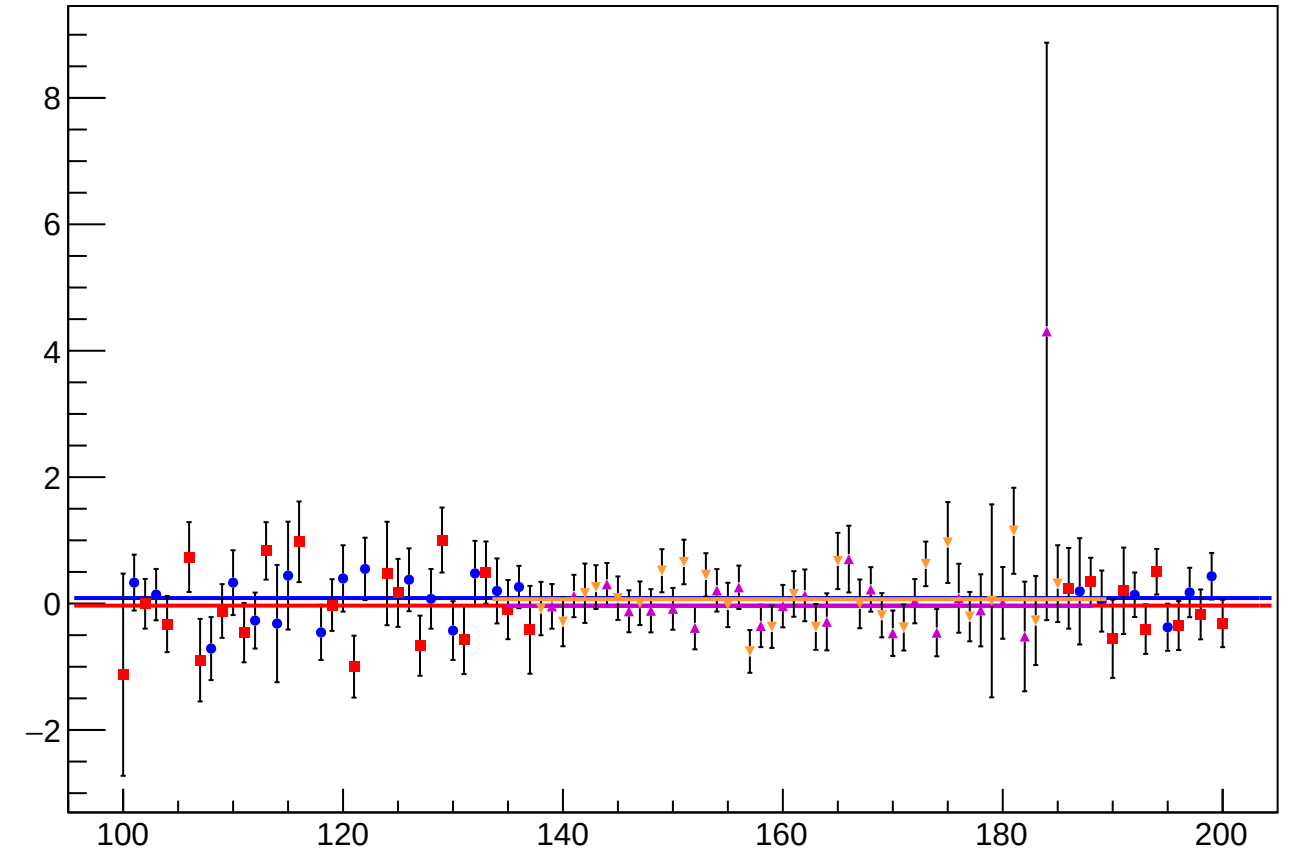
In: 464.746+/-0.064 χ^2/NDF:5307291.0/44

Out: 475.188+/-0.063 χ^2/NDF:5903908.9/52

All: 470.075+/-0.045 χ^2/NDF: 11224823.9/97


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -9.748+/-4.485 χ²/NDF: 27.1/21
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: 0.982+/-3.163 χ²/NDF: 57.8/49
In: -0.740+/-1.816 χ²/NDF:61.7/44
Out: -5.481+/-1.758 χ²/NDF:98.3/52
All: -3.188+/-1.263 χ²/NDF: 163.5/97


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14188.654+/-3.171 χ²/NDF: 2839904.8/21
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: 14782.369+/-2.236 χ²/NDF: 6348865.9/49
In: 9388.476+/-1.284 χ²/NDF:5962168.5/44
Out: 9435.943+/-1.243 χ²/NDF:8099493.9/52
All: 9412.983+/-0.893 χ²/NDF: 14062367.5/9



Right In: 0.087+/-0.098 χ^2/NDF: 11.9/21

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

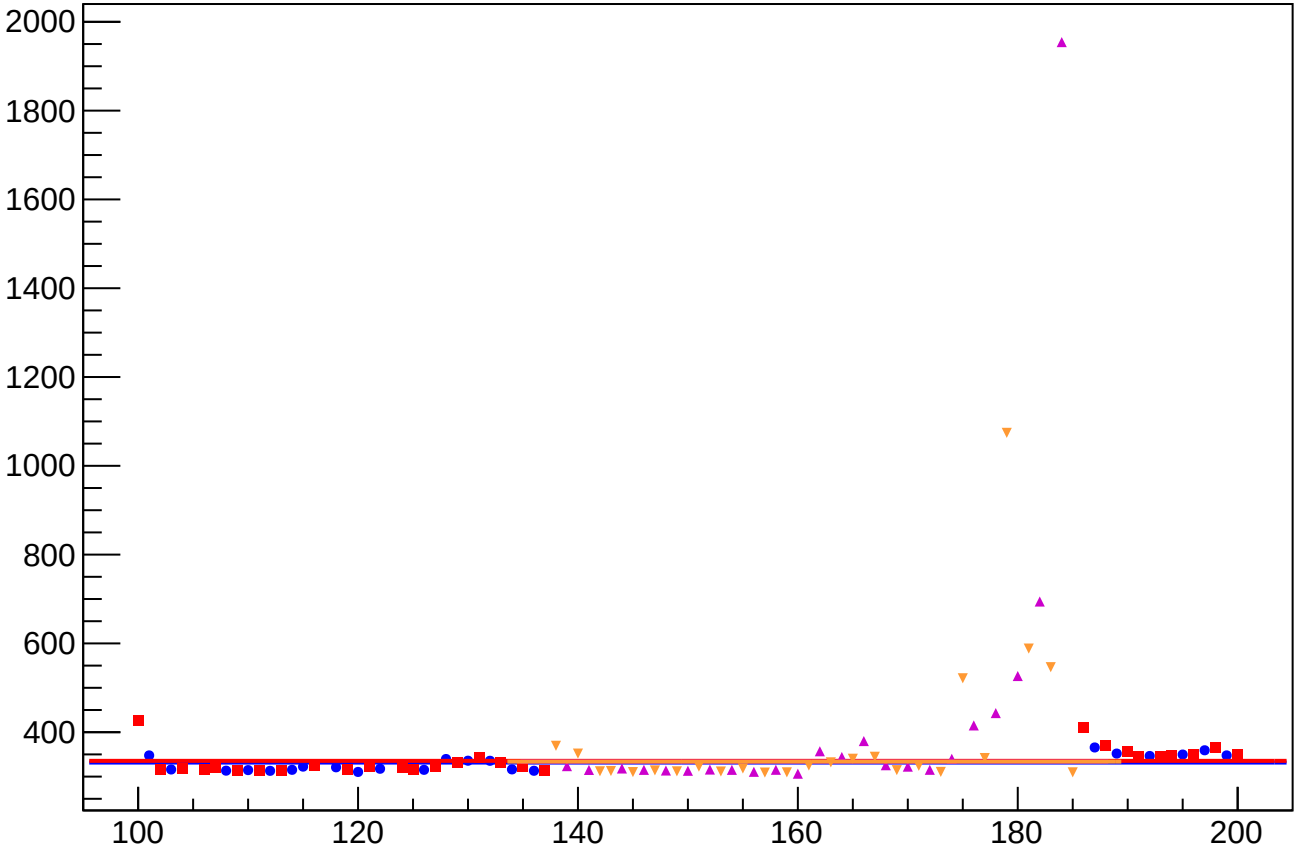
Right: 0.023+/-0.067 χ^2/NDF: 43.5/49

In: 0.013+/-0.062 χ^2/NDF:24.5/44

Out: 0.025+/-0.060 χ^2/NDF:59.7/52

All: 0.020+/-0.043 χ^2/NDF: 84.2/97

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.610+/-0.069 χ^2/NDF: 60638.9/21

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

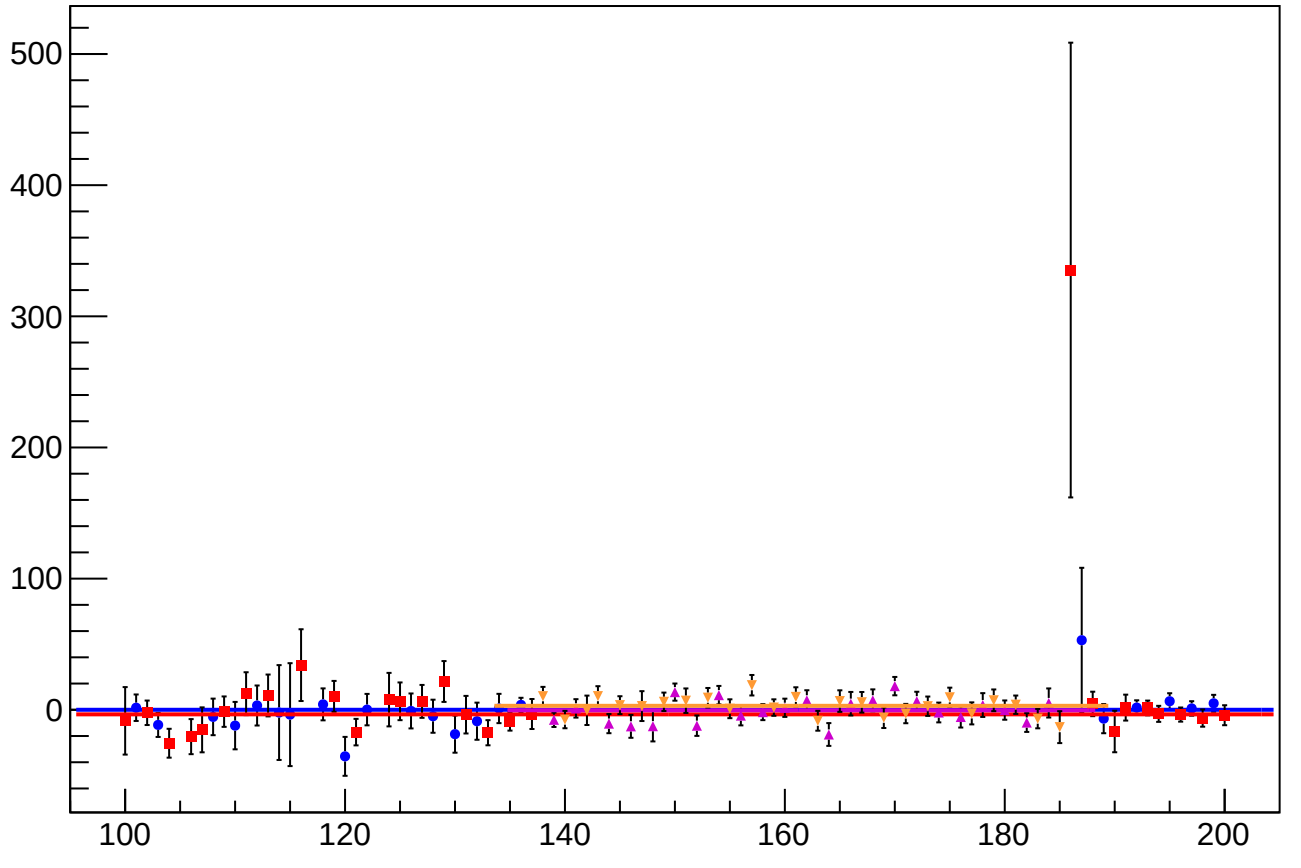
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 333.692+/-0.047 χ^2/NDF: 176390.2/49

In: 333.019+/-0.044 χ^2/NDF:1112318.4/44

Out: 334.515+/-0.042 χ^2/NDF:1331726.9/52

All: 333.800+/-0.030 χ^2/NDF: 2444646.6/97



Right In: 0.002+/-2.030 χ^2/NDF: 14.0/21

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

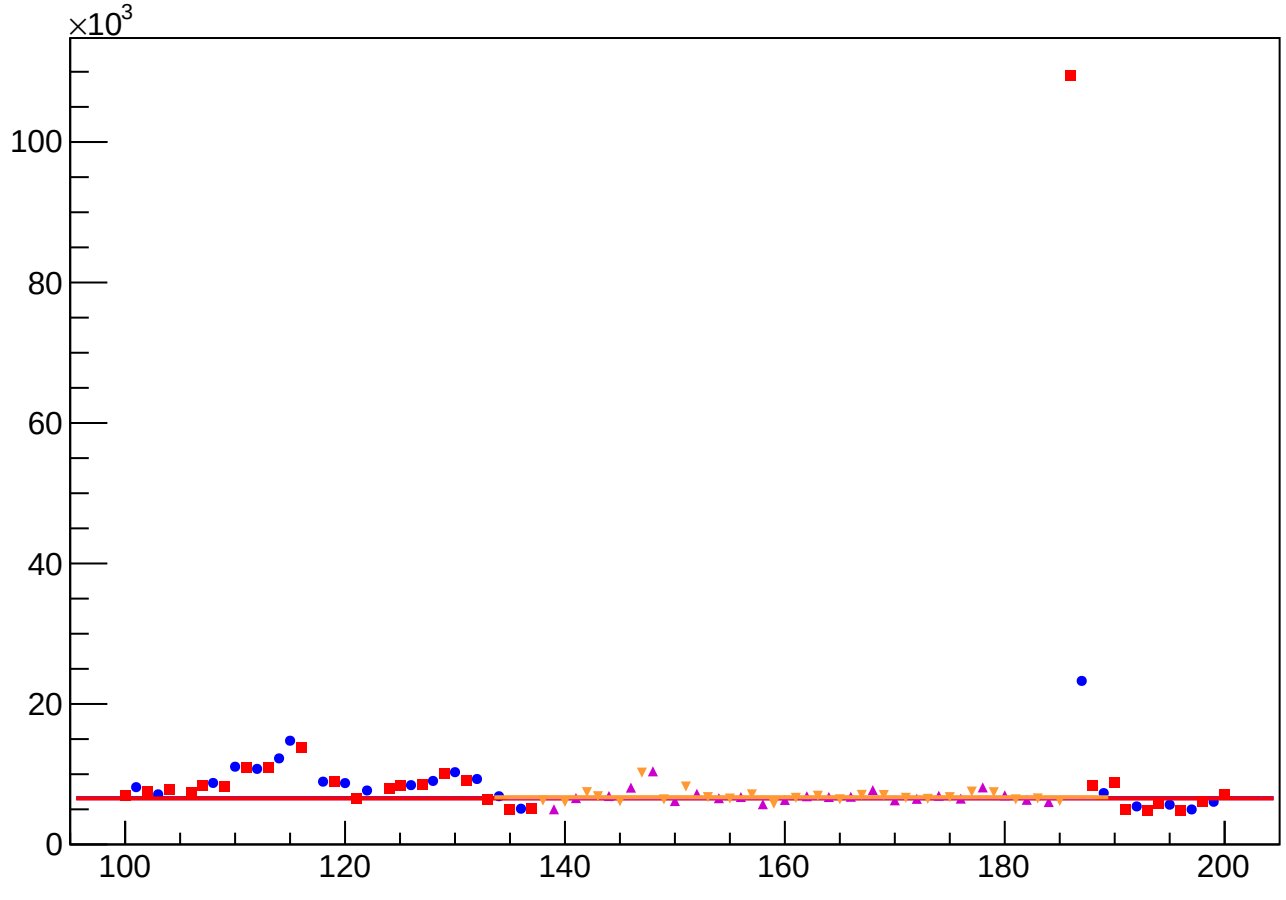
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.881+/-1.377 χ^2/NDF: 41.7/49

In: -0.219+/-1.241 χ^2/NDF:47.8/44

Out: 0.397+/-1.191 χ^2/NDF:53.7/52

All: 0.101+/-0.859 χ^2/NDF: 101.6/97



Right In: 6585.594+/-1.435 χ^2/NDF: 1636043.5/21

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

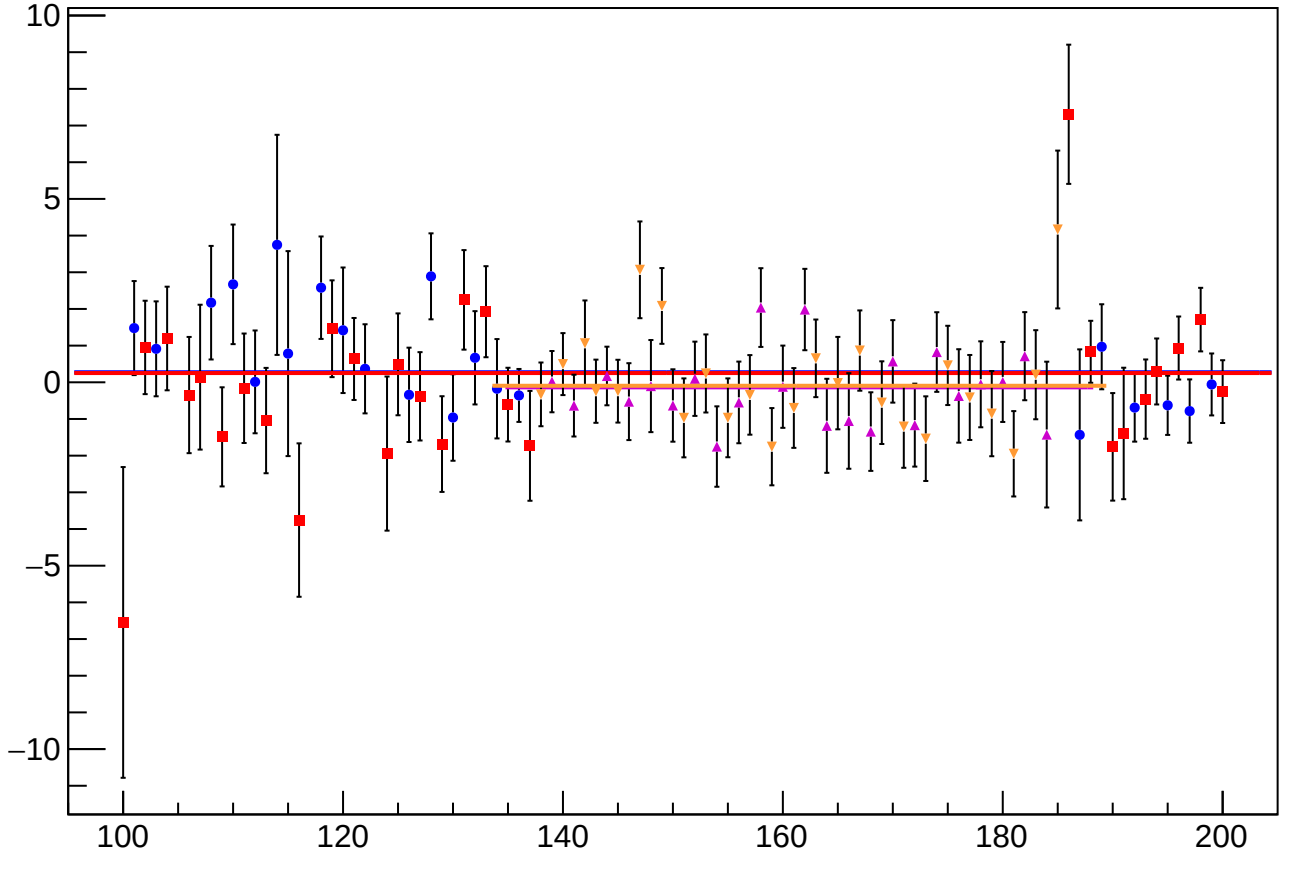
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6567.778+/-0.974 χ^2/NDF: 3976793.7/49

In: 6615.106+/-0.878 χ^2/NDF:2266209.6/44

Out: 6654.244+/-0.842 χ^2/NDF:2753639.6/52

All: 6635.484+/-0.608 χ^2/NDF: 5020884.8/97



Right In: 0.274+/-0.252 χ^2/NDF: 21.5/21

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

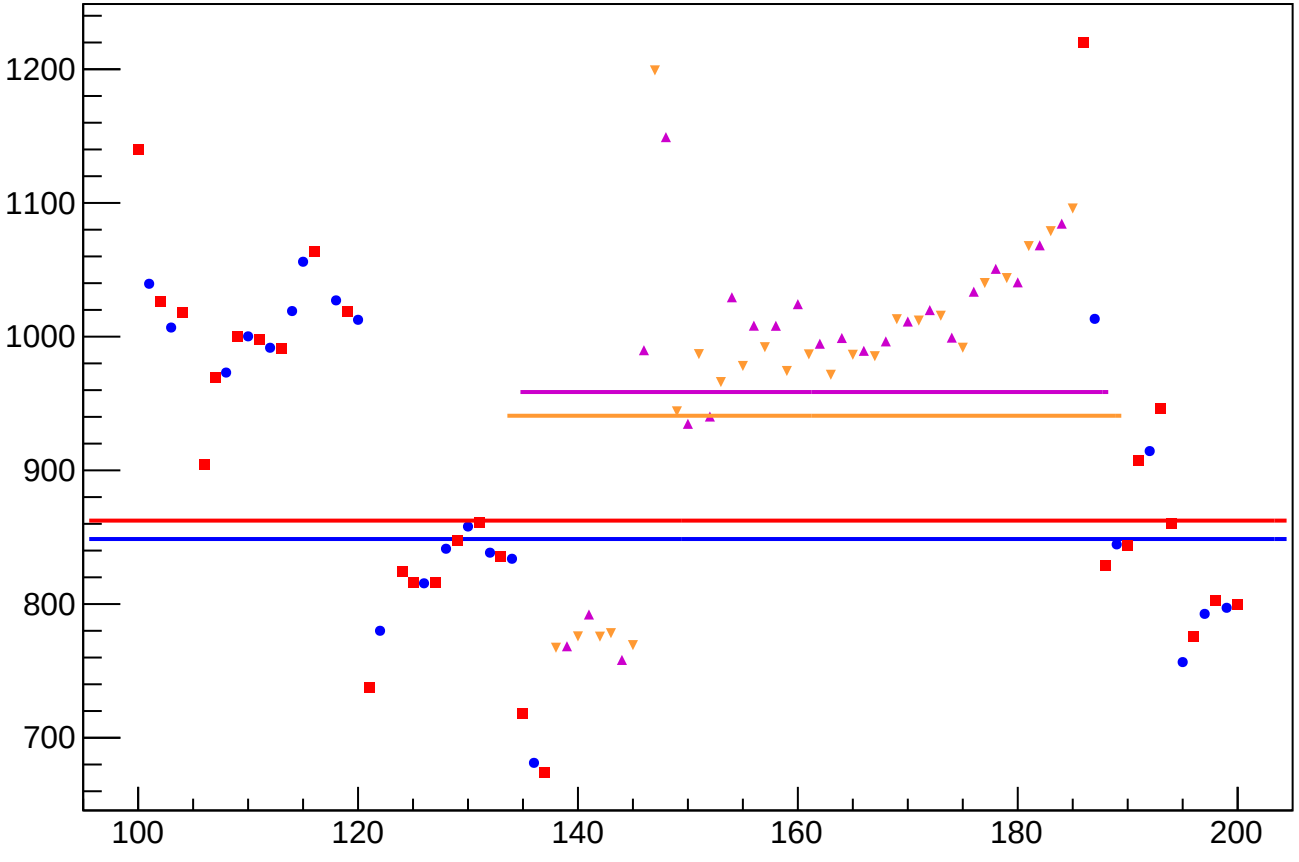
Right: 0.262+/-0.172 χ^2/NDF: 63.5/49

In: 0.045+/-0.168 χ^2/NDF:39.5/44

Out: 0.064+/-0.159 χ^2/NDF:70.5/52

All: 0.055+/-0.115 χ^2/NDF: 110.0/97

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 848.639+/-0.178 χ^2/NDF: 371503.9/21

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

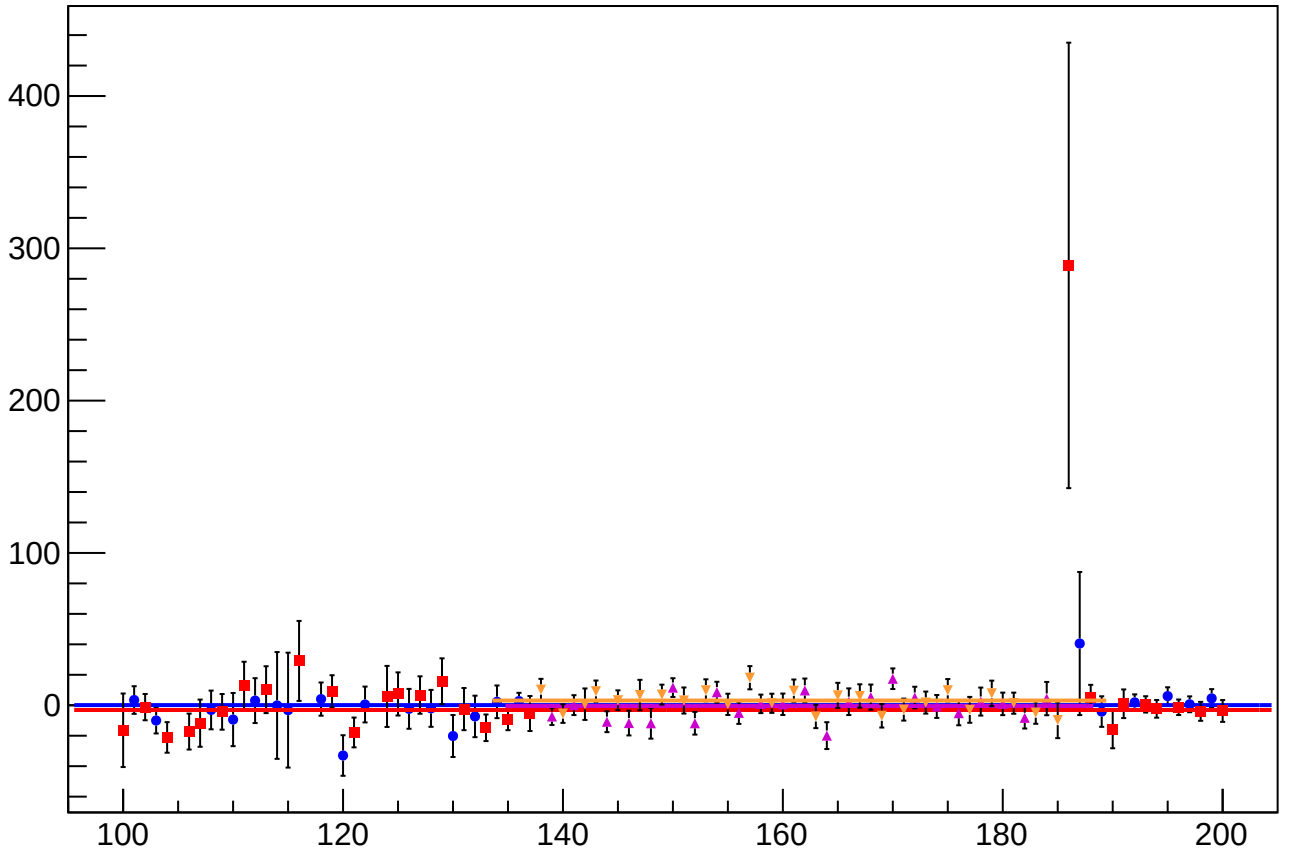
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 856.011+/-0.121 χ^2/NDF: 780710.2/49

In: 909.671+/-0.119 χ^2/NDF:1040101.5/44

Out: 904.983+/-0.112 χ^2/NDF:1096038.2/52

All: 907.195+/-0.082 χ^2/NDF: 2136963.5/97



Right In: 0.092+/-1.929 χ^2/NDF: 13.7/21

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

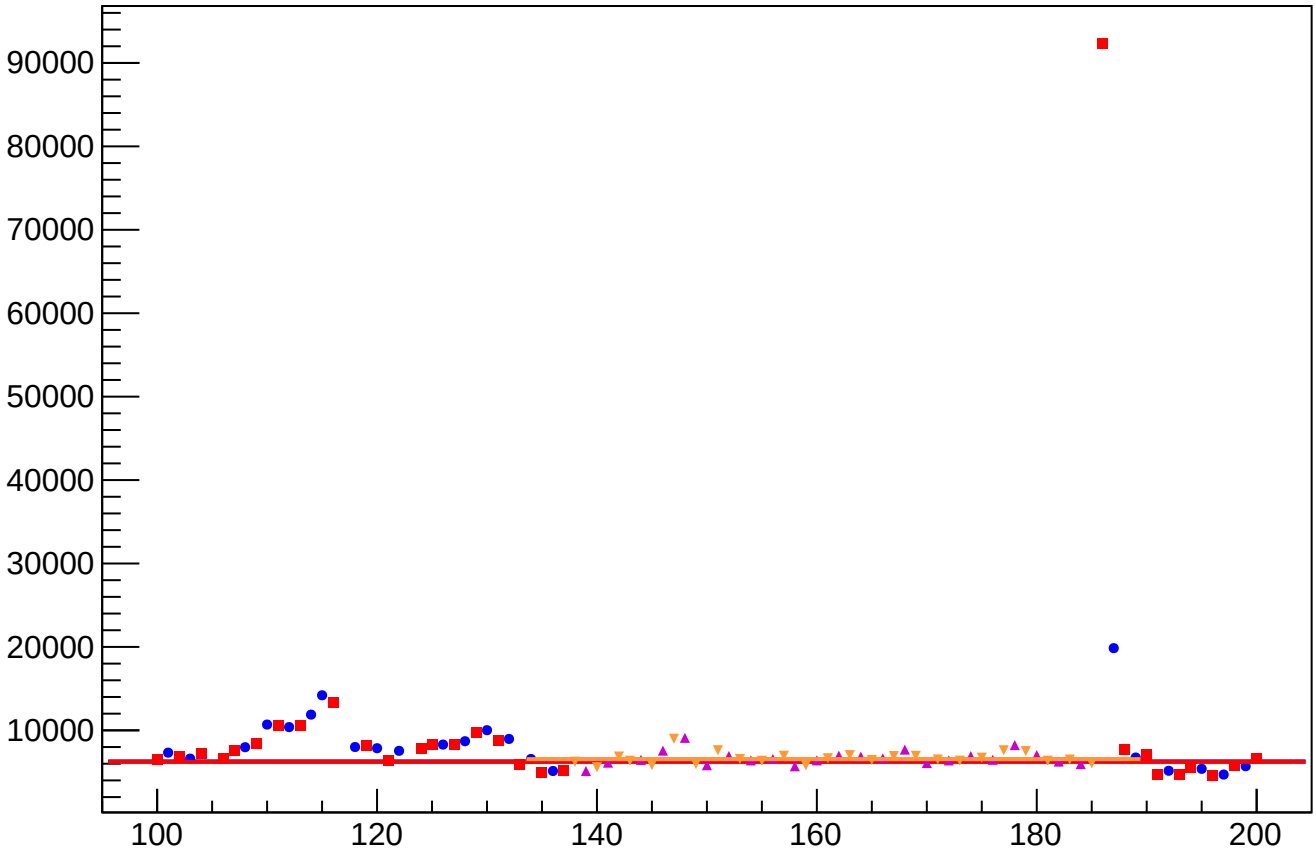
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.643+/-1.305 χ^2/NDF: 39.7/49

In: -0.282+/-1.201 χ^2/NDF:45.8/44

Out: 0.508+/-1.145 χ^2/NDF:50.3/52

All: 0.132+/-0.829 χ^2/NDF: 96.3/97



Right In: 6279.404+/-1.364 χ^2/NDF: 1544272.7/21

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

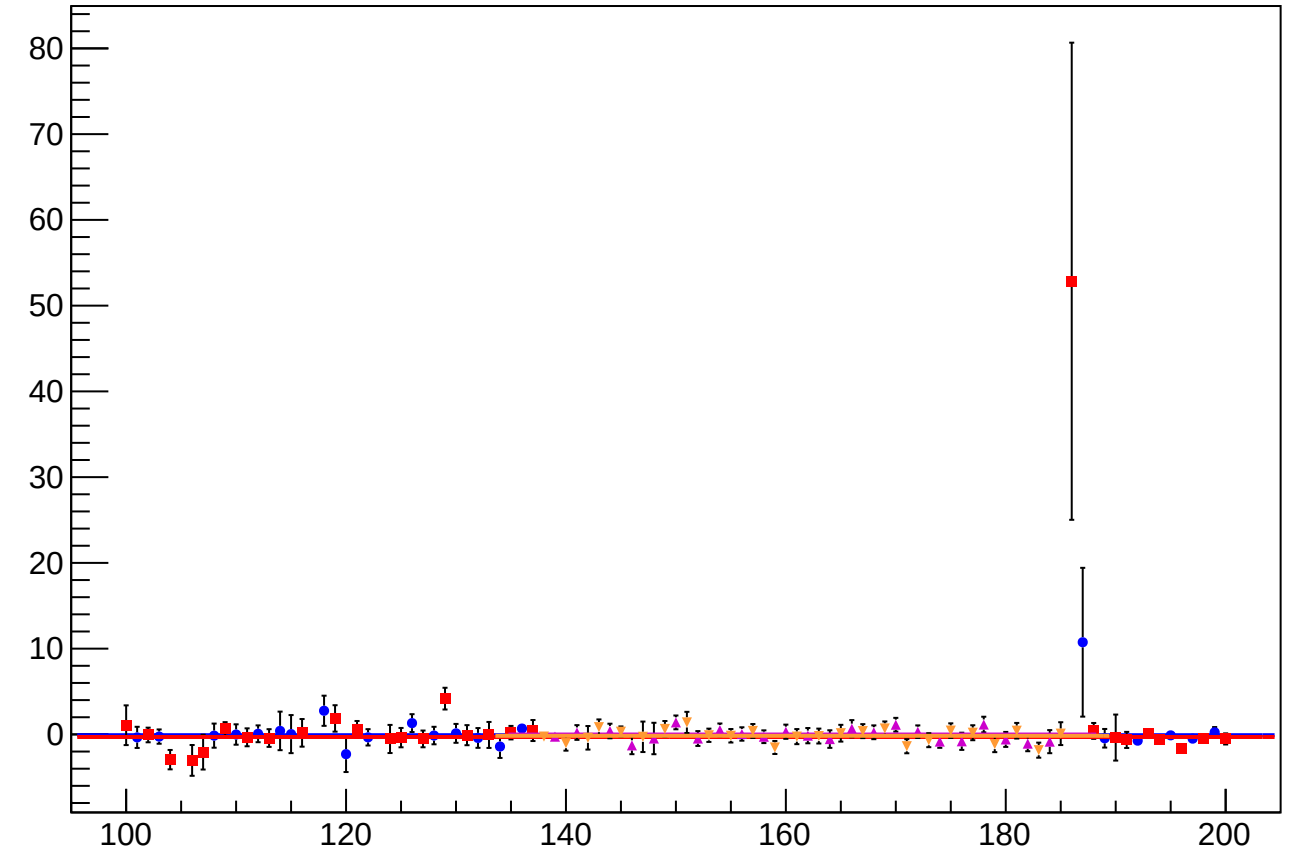
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6246.801+/-0.923 χ^2/NDF: 3813809.8/49

In: 6417.563+/-0.849 χ^2/NDF:2076531.1/44

Out: 6411.326+/-0.810 χ^2/NDF:2674852.9/52

All: 6414.296+/-0.586 χ^2/NDF: 4751412.2/97



Right In: -0.093+/-0.192 χ^2/NDF: 12.6/21

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

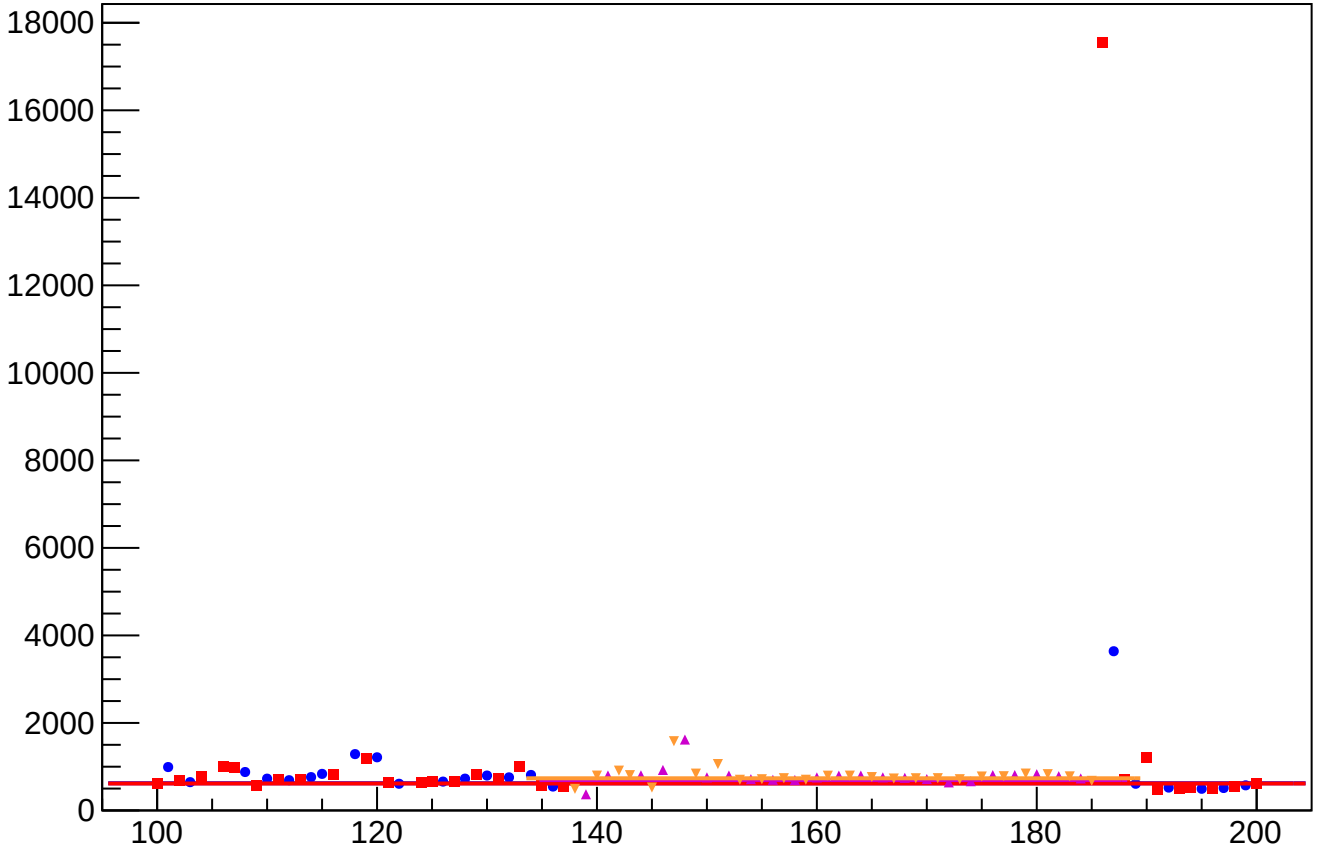
Right: -0.206+/-0.130 χ^2/NDF: 51.1/49

In: -0.051+/-0.127 χ^2/NDF:28.0/44

Out: -0.230+/-0.124 χ^2/NDF:57.1/52

All: -0.143+/-0.089 χ^2/NDF: 86.1/97

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 621.769+/-0.136 χ^2/NDF: 1435185.6/21

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

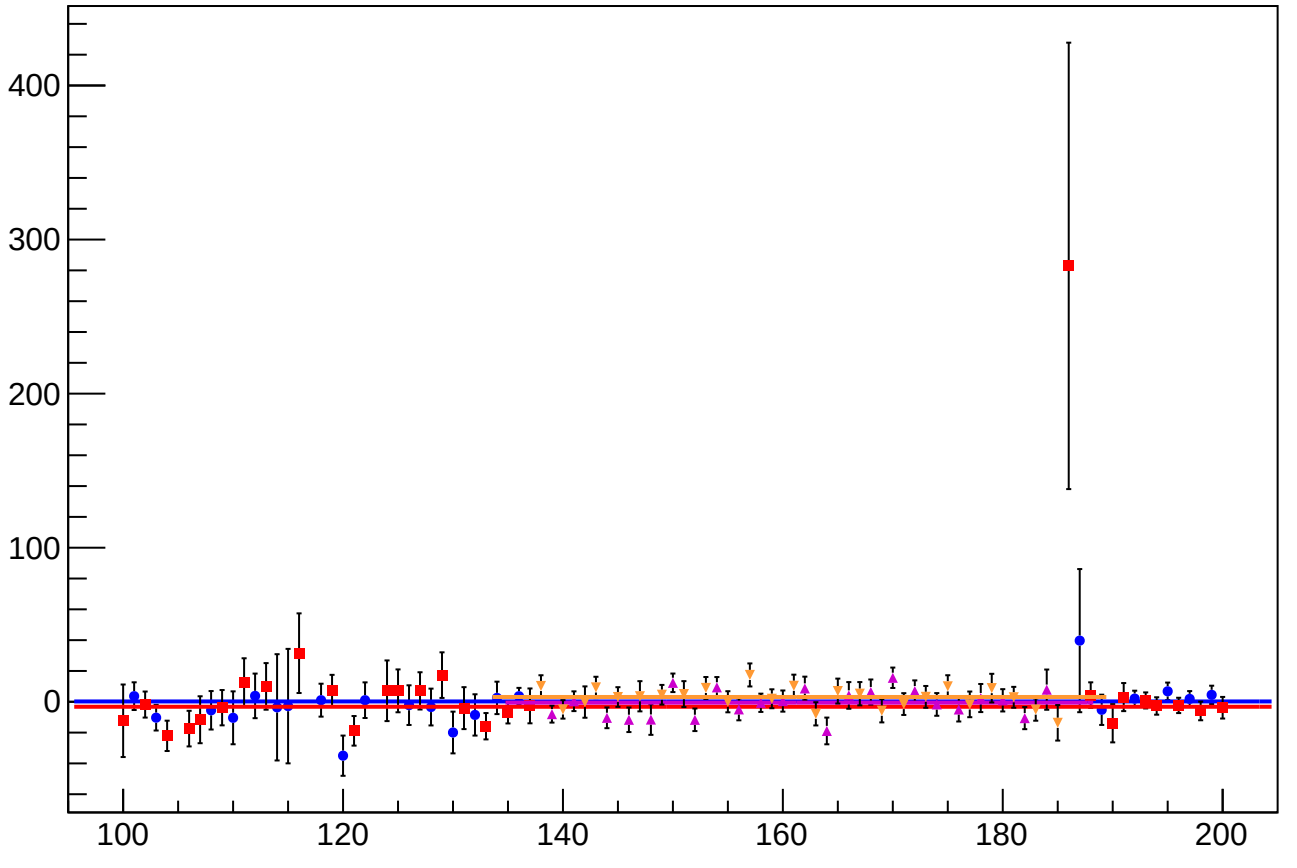
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 618.520+/-0.092 χ^2/NDF: 3372687.4/49

In: 662.545+/-0.090 χ^2/NDF:3820339.1/44

Out: 677.155+/-0.087 χ^2/NDF:3741700.5/52

All: 670.047+/-0.063 χ^2/NDF: 7575652.5/97



Right In: 0.214+/-1.890 χ^2/NDF: 16.1/21

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

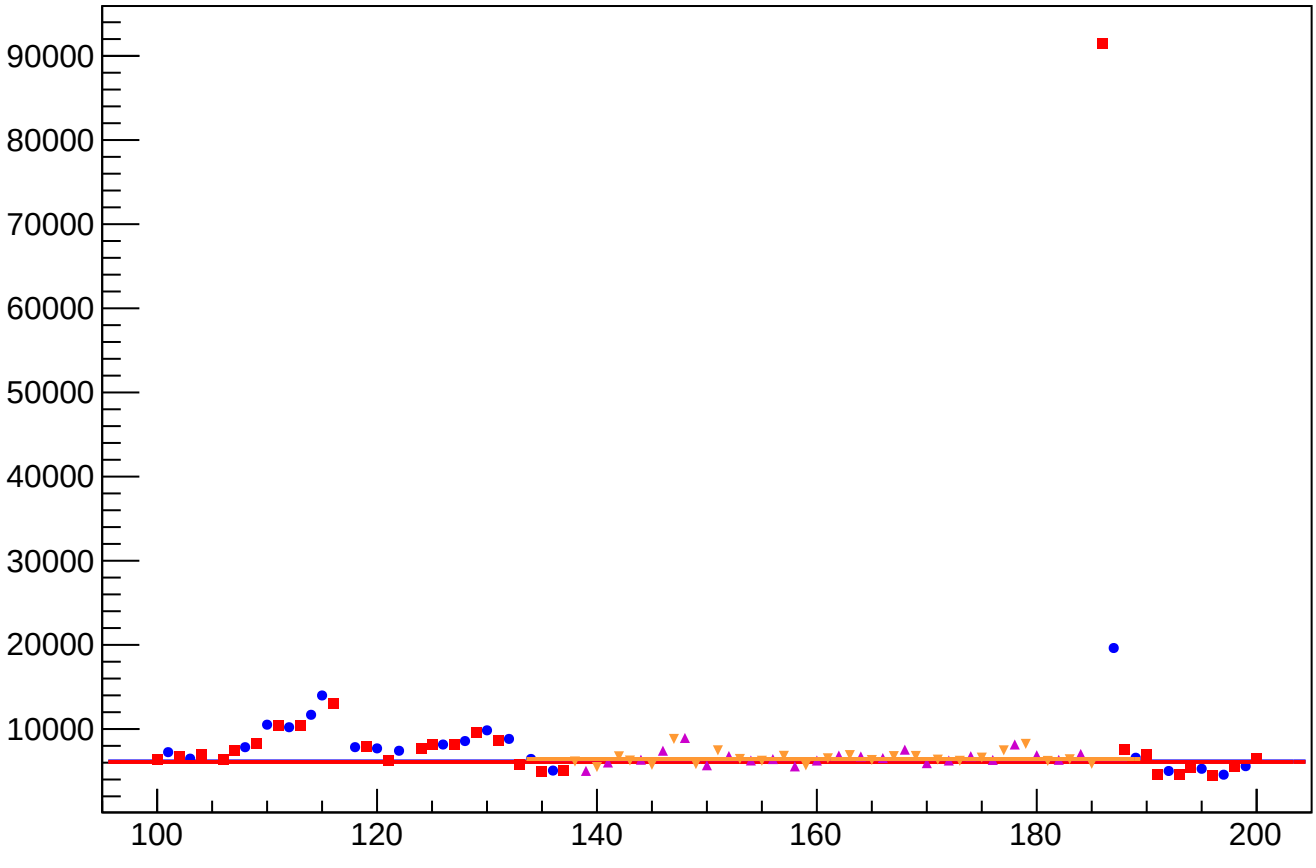
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.653+/-1.279 χ^2/NDF: 43.6/49

In: -0.252+/-1.181 χ^2/NDF:49.7/44

Out: 0.452+/-1.125 χ^2/NDF:52.2/52

All: 0.117+/-0.814 χ^2/NDF: 102.1/97



Right In: 6147.924+/-1.337 χ^2/NDF: 1572714.5/21

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

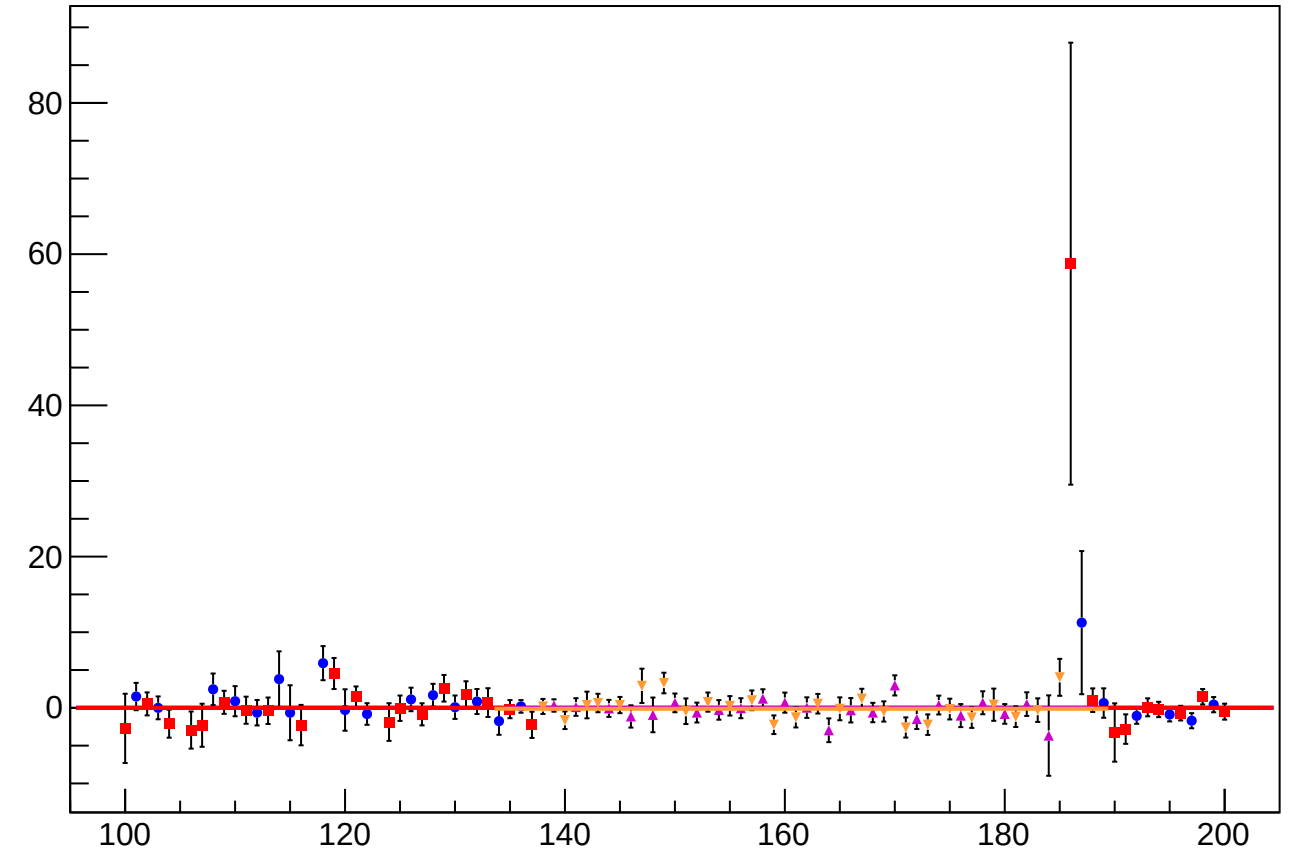
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6114.289+/-0.904 χ^2/NDF: 3864105.9/49

In: 6304.811+/-0.835 χ^2/NDF:2120384.9/44

Out: 6288.754+/-0.795 χ^2/NDF:2754561.5/52

All: 6296.391+/-0.576 χ^2/NDF: 4875140.2/97



Right In: 0.022+/-0.312 χ^2/NDF: 20.2/21

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

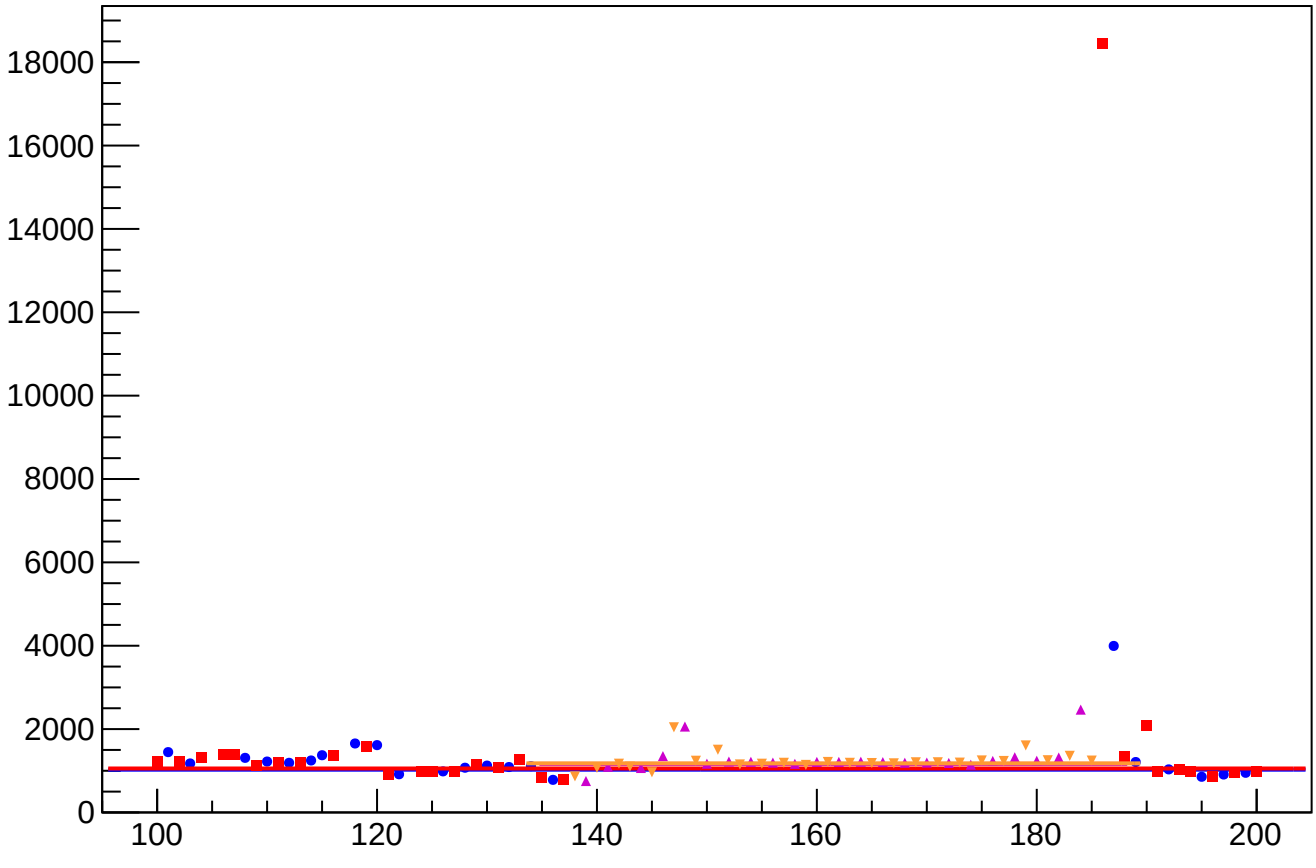
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.006+/-0.215 χ^2/NDF: 47.2/49

In: -0.006+/-0.208 χ^2/NDF:34.7/44

Out: -0.070+/-0.201 χ^2/NDF:54.0/52

All: -0.039+/-0.145 χ^2/NDF: 88.8/97



Right In: 1026.216+/-0.221 χ^2/NDF: 998557.7/21

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

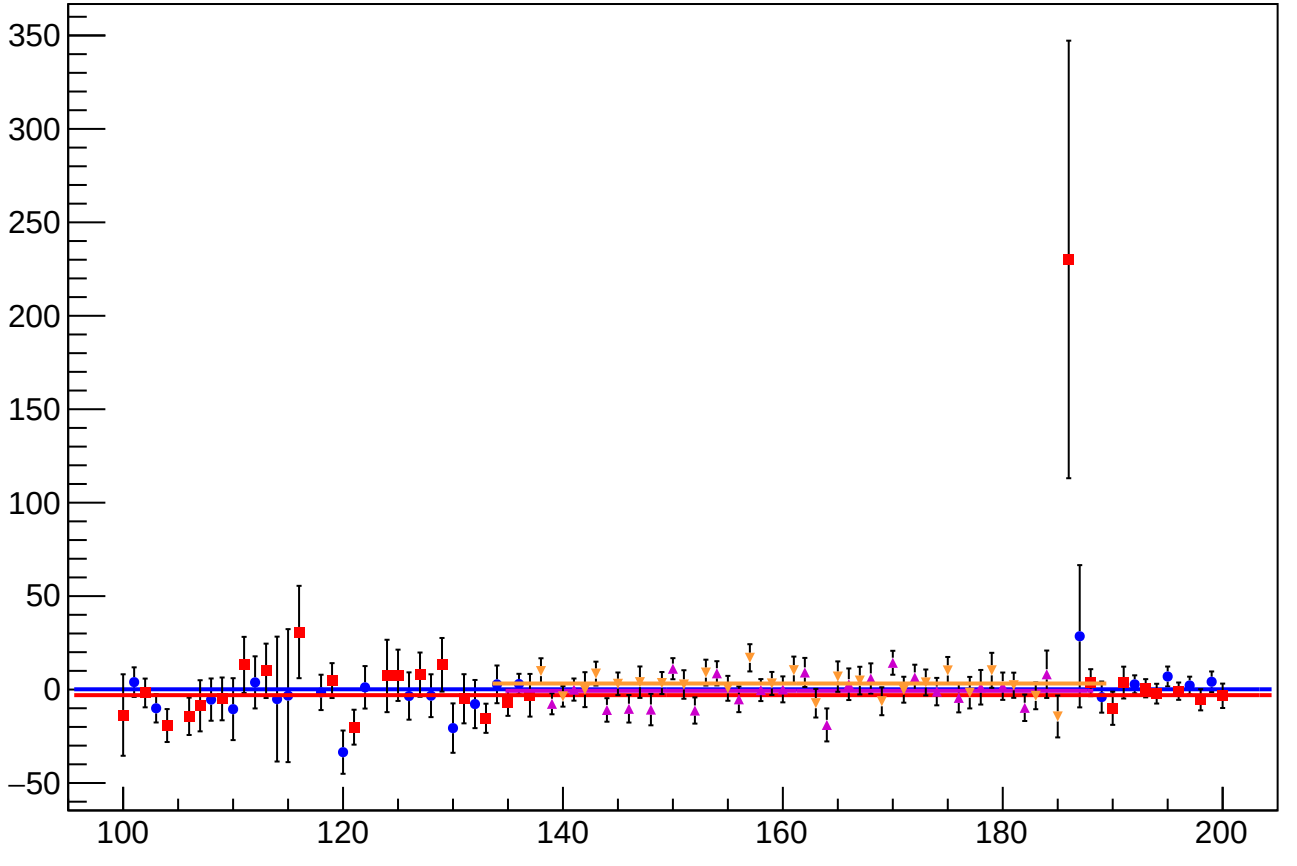
Right: 1041.162+/-0.152 χ^2/NDF: 2549958.3/49

In: 1102.779+/-0.147 χ^2/NDF:2267267.5/44

Out: 1121.371+/-0.142 χ^2/NDF:2529117.6/52

All: 1112.374+/-0.102 χ^2/NDF: 4804648.3/97

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: 0.146+/-1.772 χ^2/NDF: 18.1/21

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

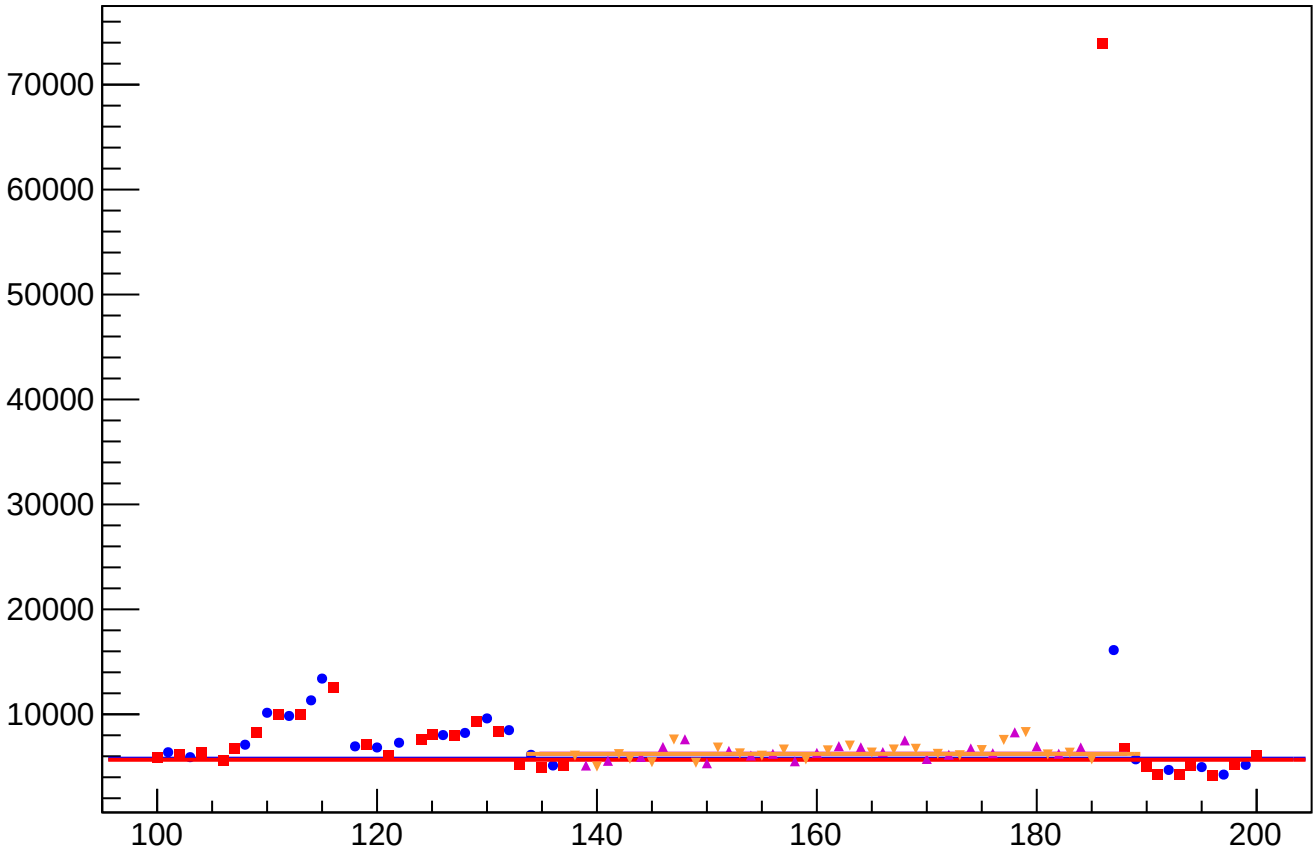
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.570+/-1.193 χ^2/NDF: 45.8/49

In: -0.335+/-1.133 χ^2/NDF:50.6/44

Out: 0.496+/-1.070 χ^2/NDF:52.3/52

All: 0.105+/-0.778 χ^2/NDF: 103.1/97



Right In: 5771.128+/-1.253 χ^2/NDF: 1548680.3/21

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

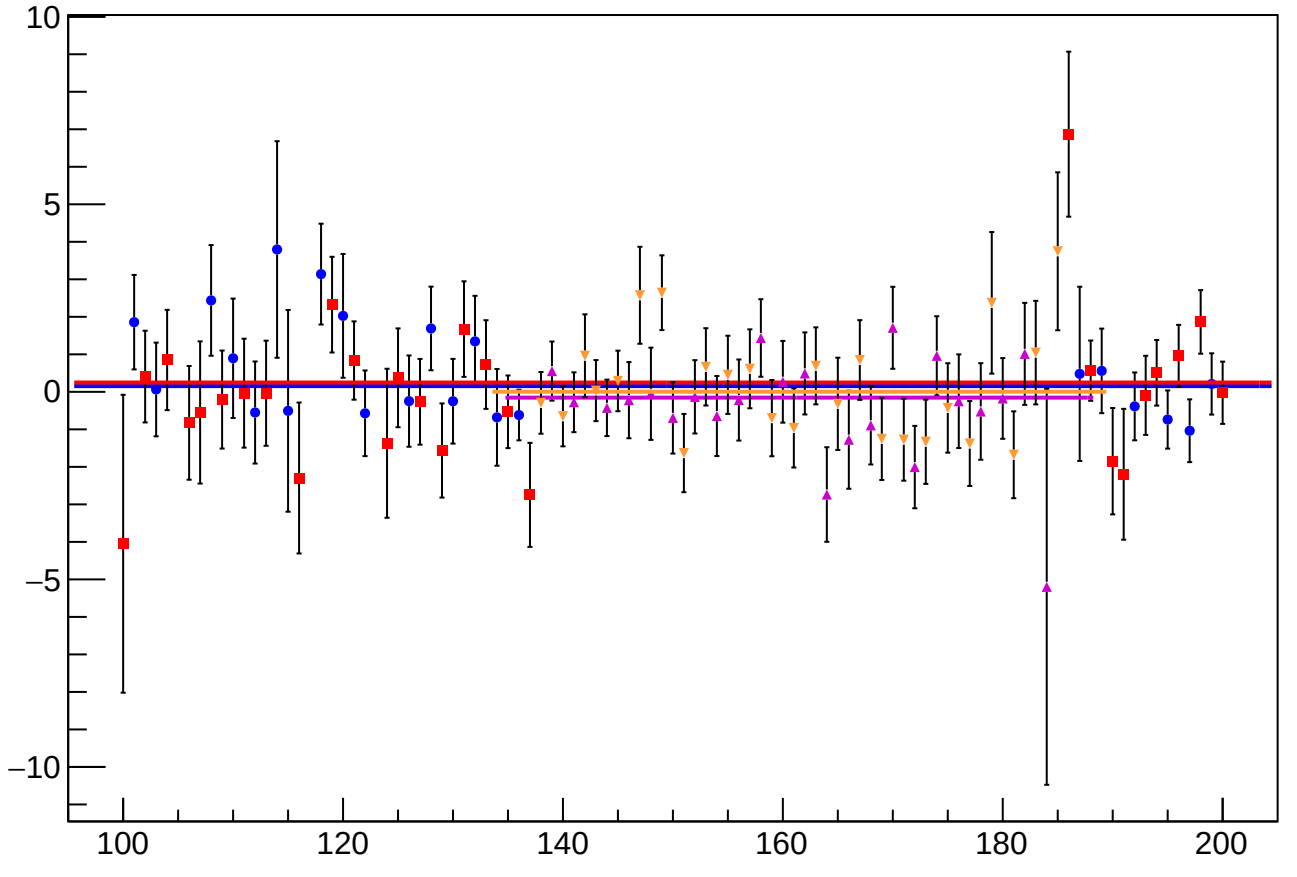
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5714.359+/-0.844 χ^2/NDF: 3860225.3/49

In: 6052.287+/-0.801 χ^2/NDF:2118870.5/44

Out: 5981.860+/-0.757 χ^2/NDF:2914227.4/52

All: 6015.068+/-0.550 χ^2/NDF: 5037181.8/97



Right In: 0.153+/-0.242 χ^2/NDF: 21.7/21

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

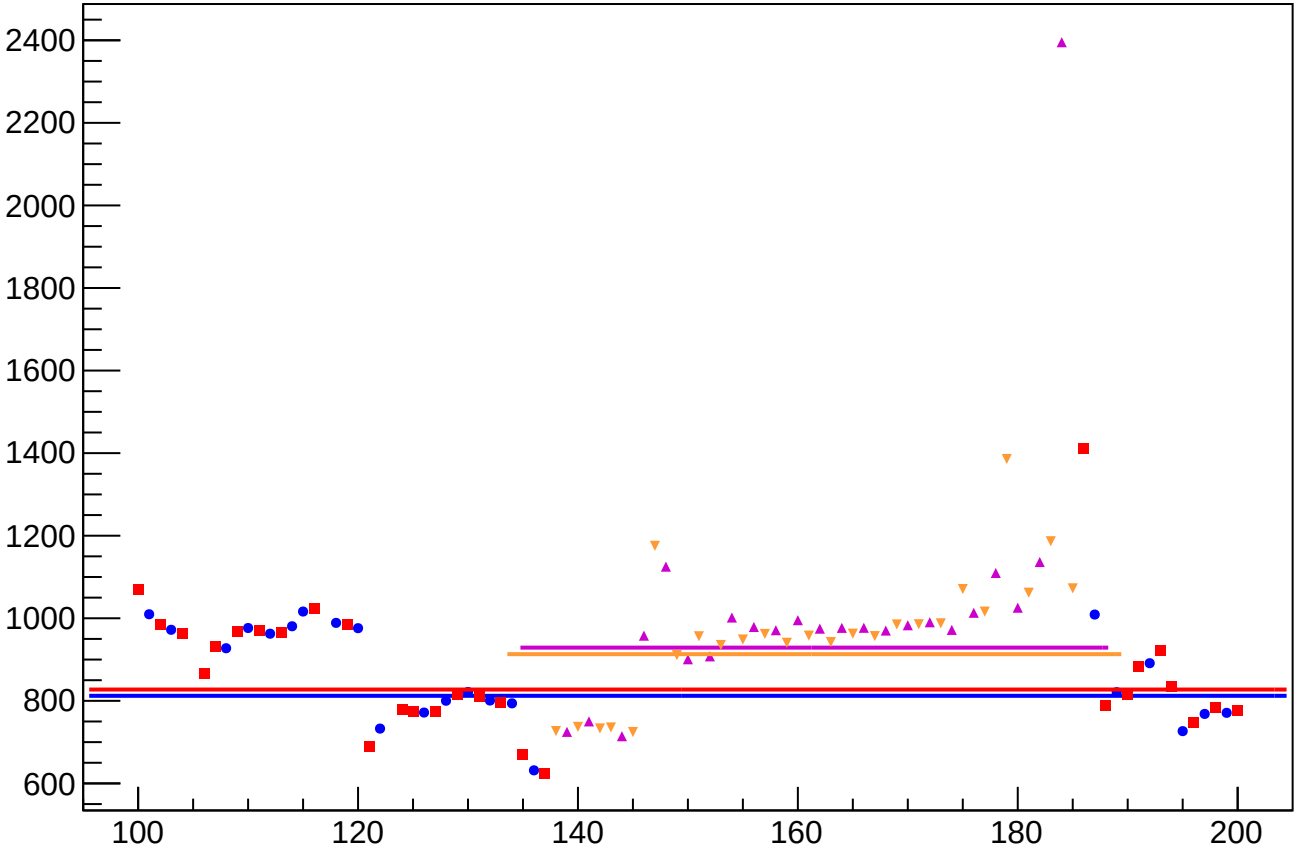
Right: 0.204+/-0.165 χ^2/NDF: 56.3/49

In: -0.014+/-0.163 χ^2/NDF:41.0/44

Out: 0.118+/-0.155 χ^2/NDF:66.8/52

All: 0.056+/-0.112 χ^2/NDF: 108.1/97

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 812.205+/-0.171 χ^2/NDF: 433225.4/21

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

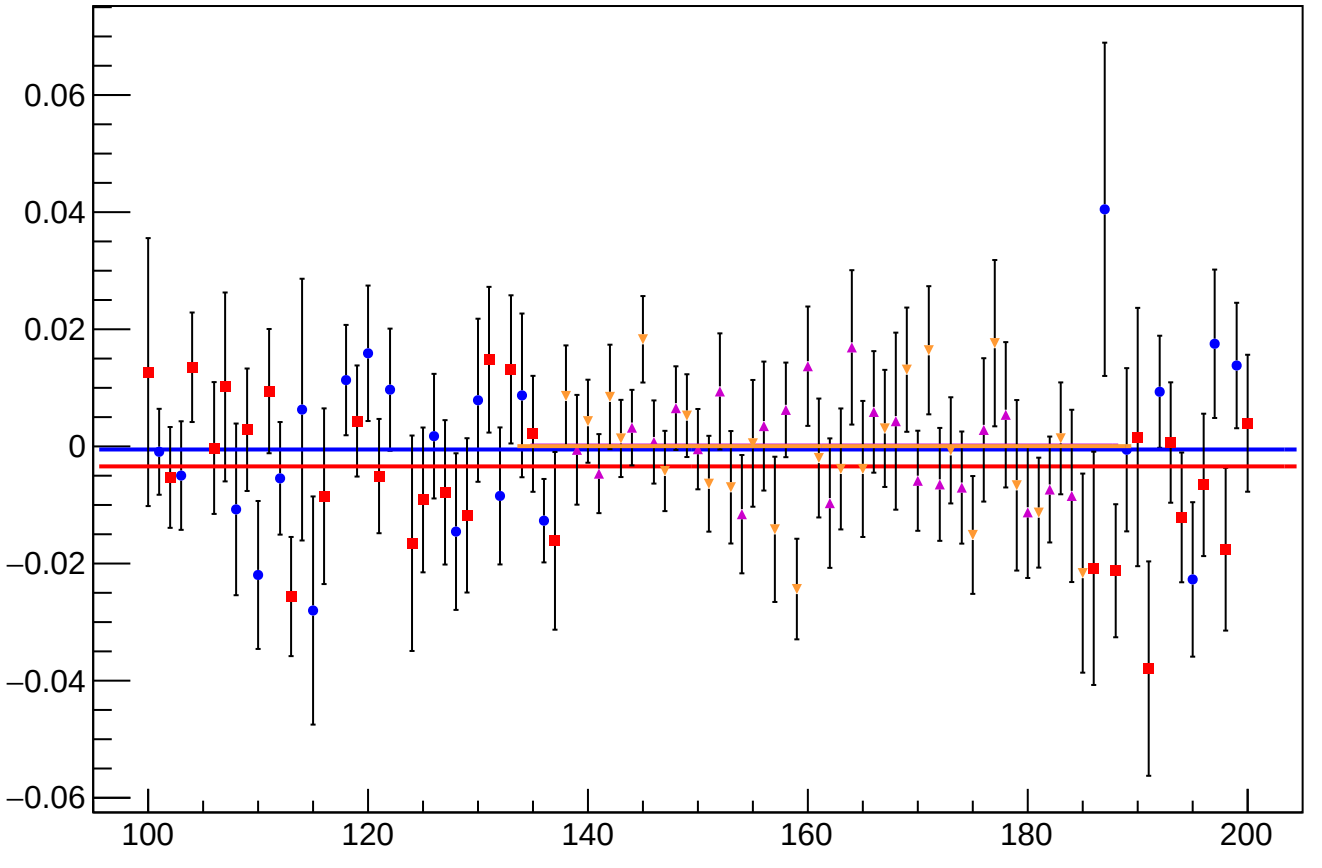
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 820.308+/-0.117 χ^2/NDF: 954717.1/49

In: 875.719+/-0.115 χ^2/NDF:1456352.0/44

Out: 872.958+/-0.109 χ^2/NDF:1559521.7/52

All: 874.264+/-0.079 χ^2/NDF: 3016175.8/97



Right In: -0.001+/-0.002 χ^2/NDF: 25.6/21

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

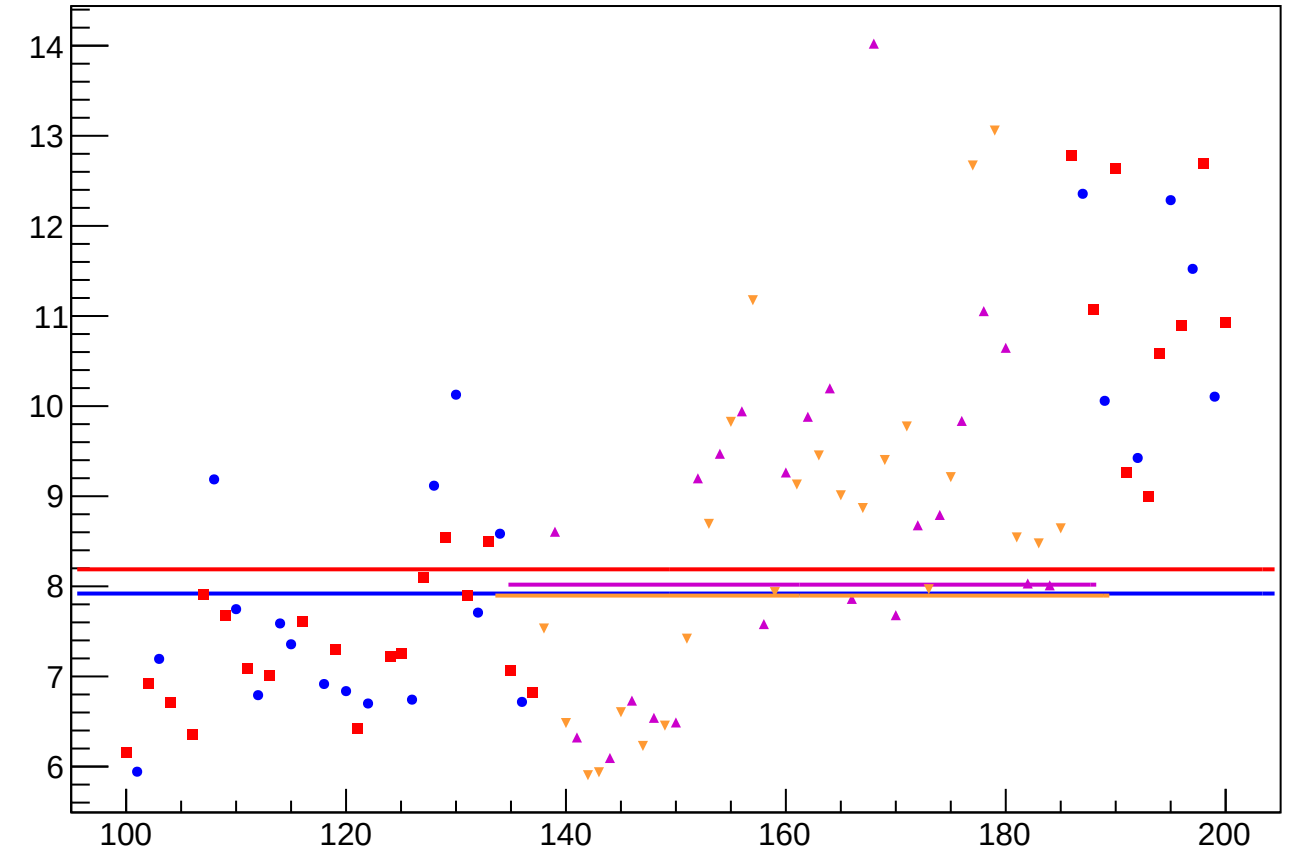
Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

Right: -0.002+/-0.002 χ^2/NDF: 53.6/49

In: -0.000+/-0.001 χ^2/NDF:38.5/44

Out: -0.001+/-0.001 χ^2/NDF:59.8/52

All: -0.001+/-0.001 χ^2/NDF: 98.6/97



Right In: 7.920+/-0.002 χ^2/NDF: 1032271.3/21

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

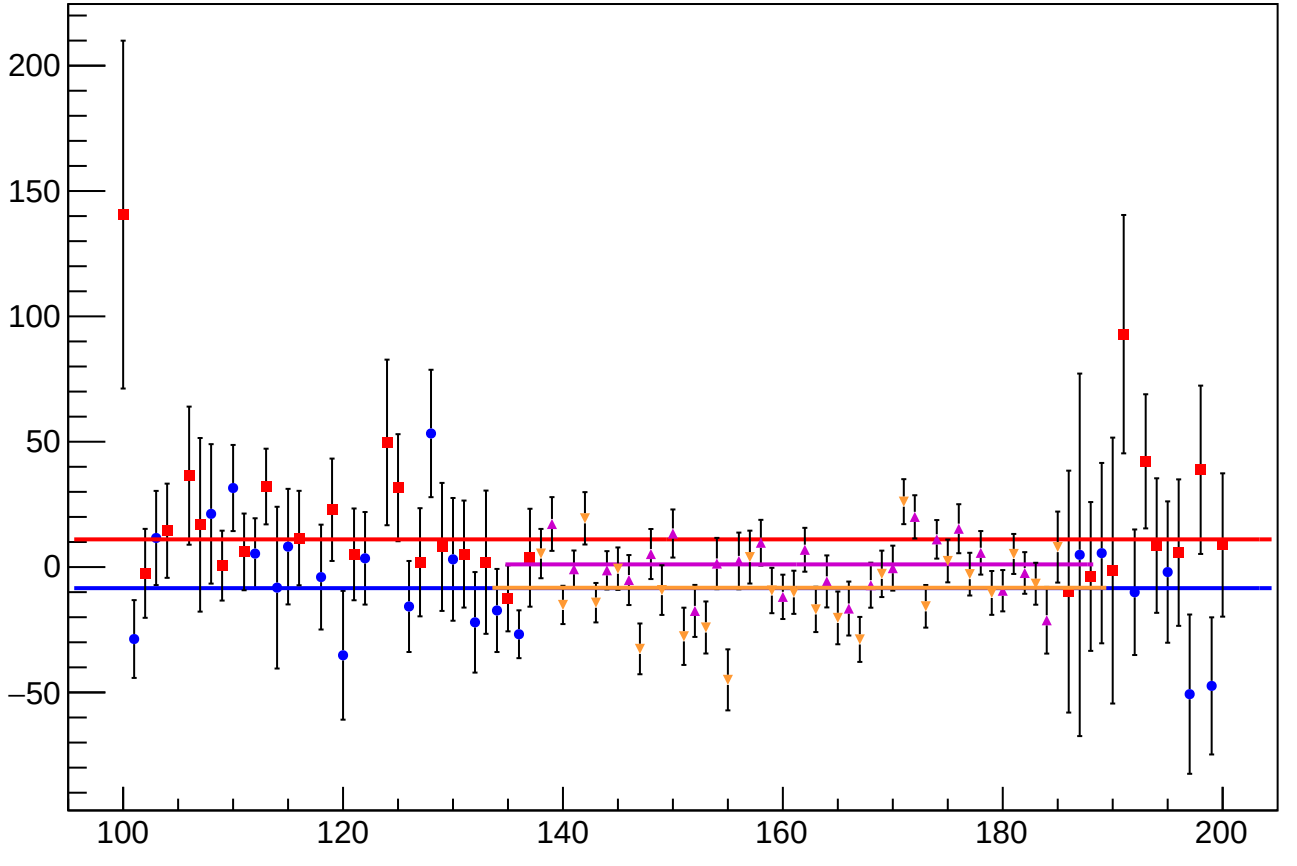
Right: 8.062+/-0.001 χ^2/NDF: 2256238.0/49

In: 7.980+/-0.001 χ^2/NDF:2490055.6/44

Out: 8.013+/-0.001 χ^2/NDF:2821410.7/52

All: 7.997+/-0.001 χ^2/NDF: 5311969.4/97

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -8.406+/-4.234 χ^2/NDF: 27.2/21

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

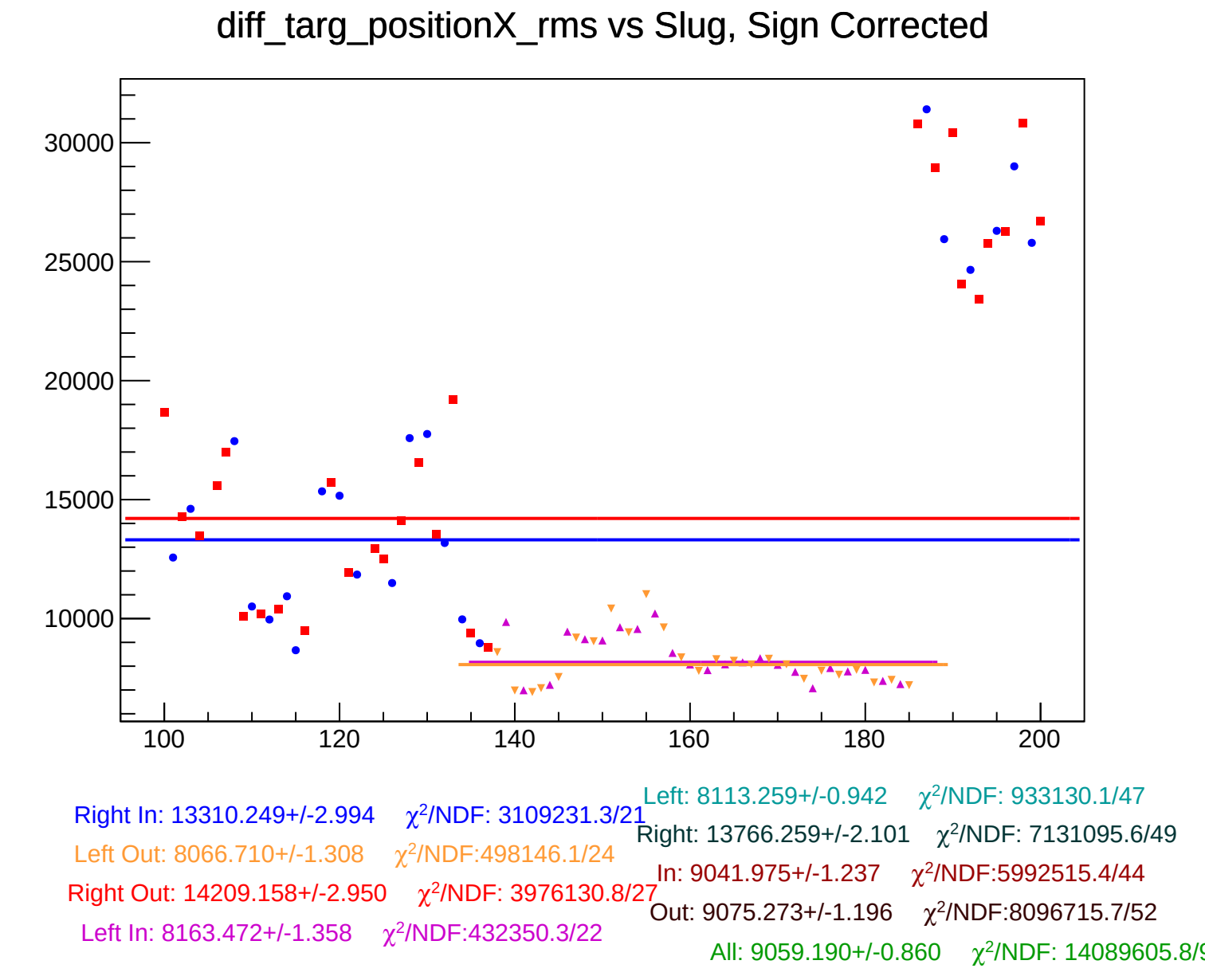
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 1.464+/-2.972 χ^2/NDF: 57.5/49

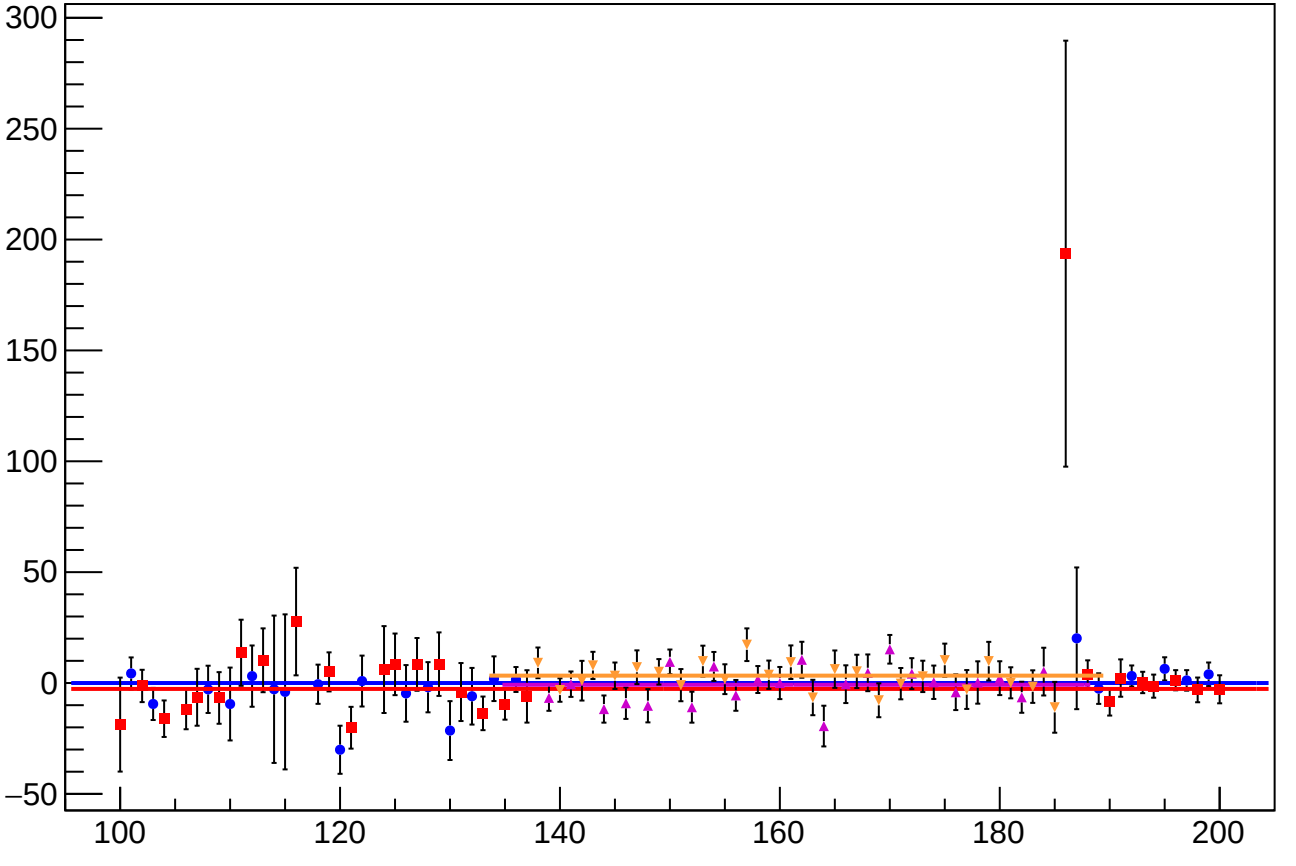
In: -0.546+/-1.749 χ^2/NDF:60.2/44

Out: -5.086+/-1.691 χ^2/NDF:99.7/52

All: -2.893+/-1.216 χ^2/NDF: 163.3/97


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13310.249+/-2.994 χ²/NDF: 3109231.3/21
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: 13766.259+/-2.101 χ²/NDF: 7131095.6/49
In: 9041.975+/-1.237 χ²/NDF:5992515.4/44
Out: 9075.273+/-1.196 χ²/NDF:8096715.7/52
All: 9059.190+/-0.860 χ²/NDF: 14089605.8/9

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -0.005+/-1.718 χ^2/NDF: 16.4/21

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

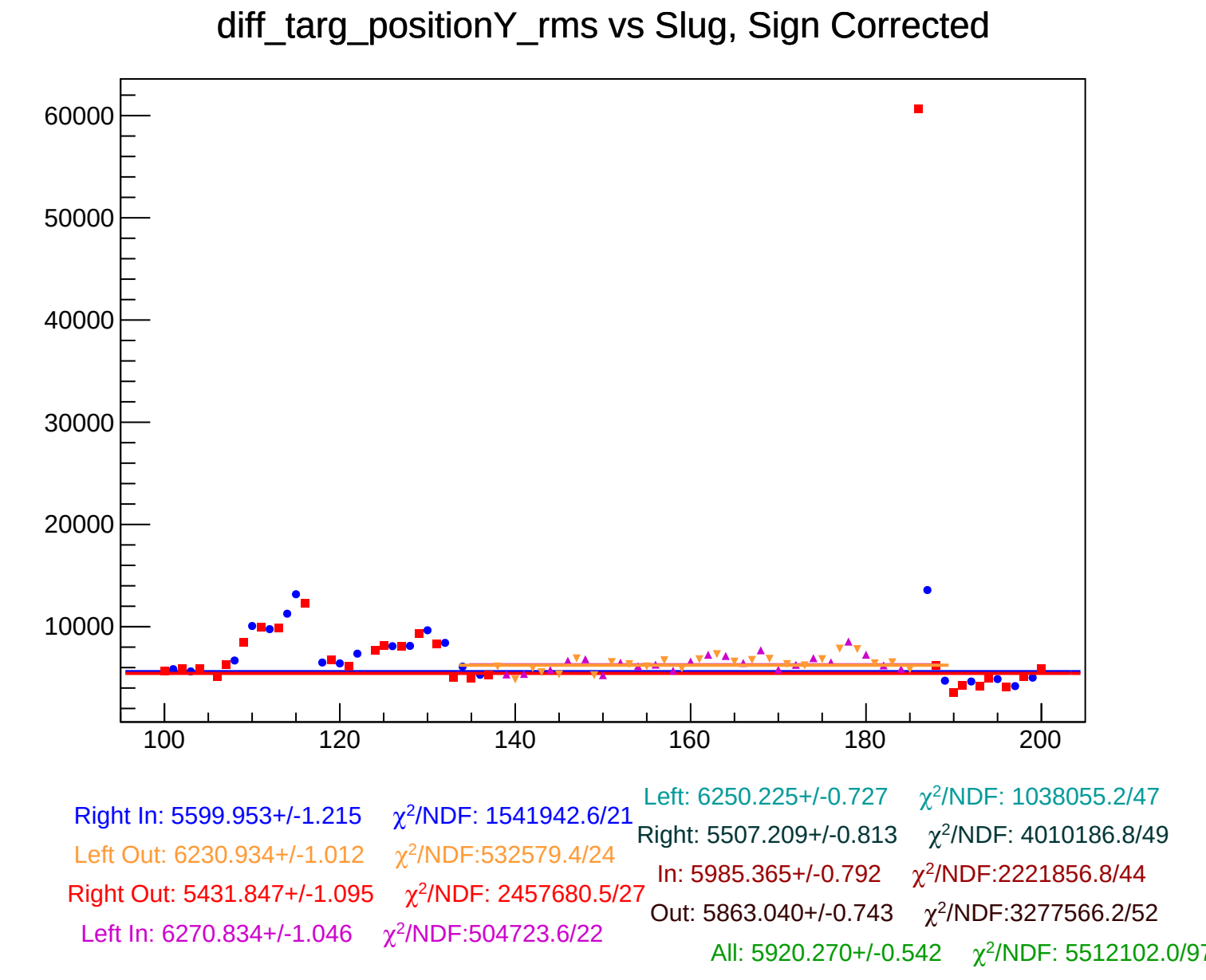
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

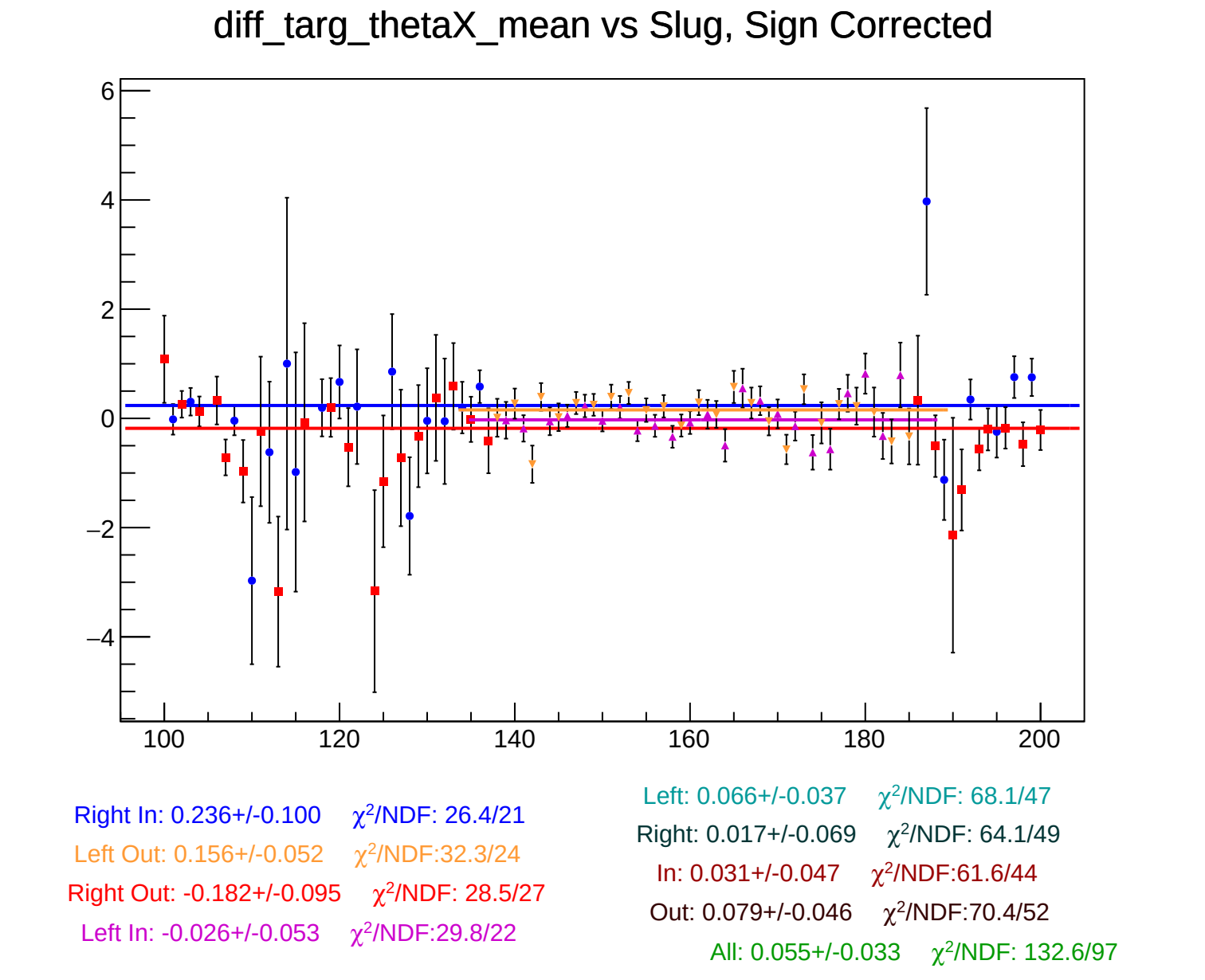
Right: -1.470+/-1.150 χ^2/NDF: 43.1/49

In: -0.460+/-1.121 χ^2/NDF:46.0/44

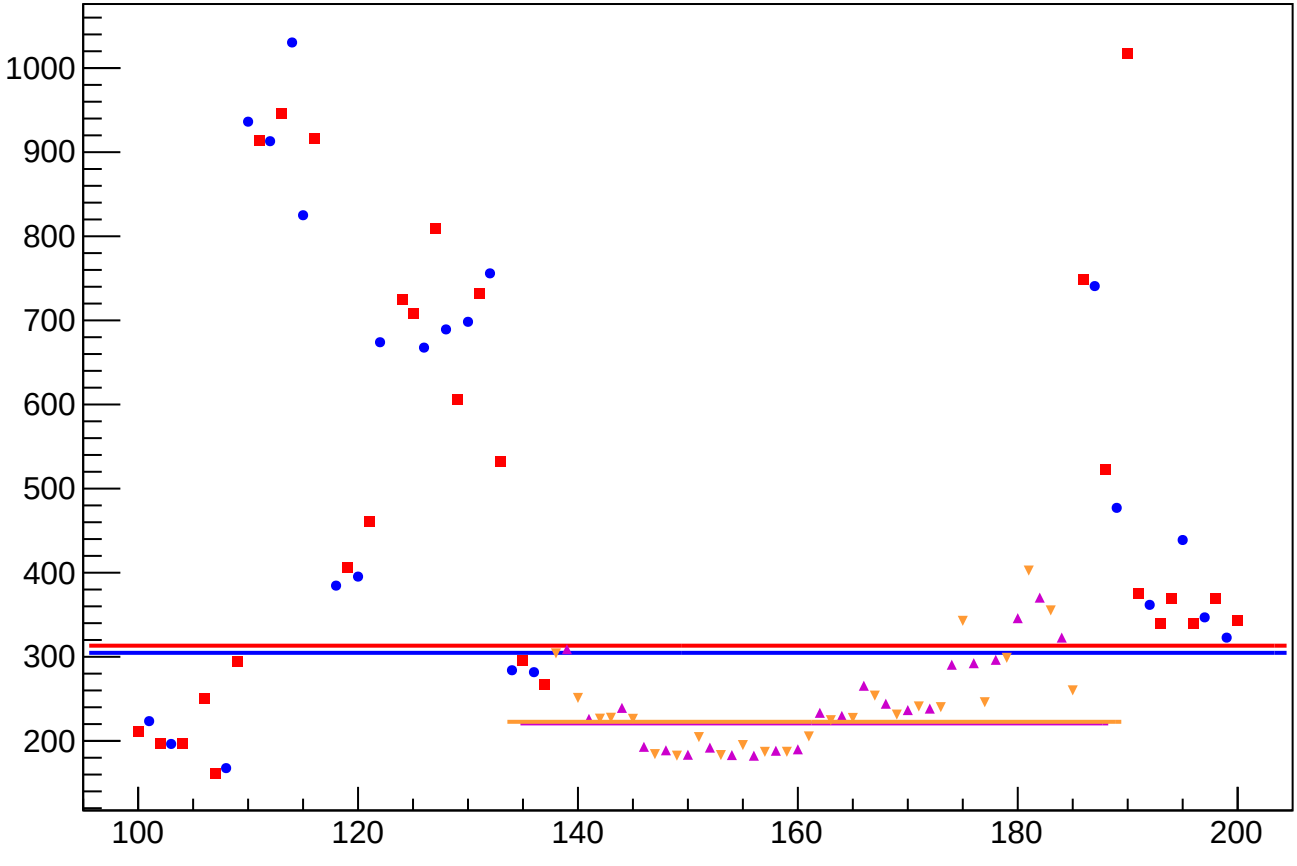
Out: 0.572+/-1.051 χ^2/NDF:50.3/52

All: 0.089+/-0.767 χ^2/NDF: 96.7/97


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5599.953+/-1.215 χ²/NDF: 1541942.6/21
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5431.847+/-1.095 χ²/NDF: 2457680.5/27
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5507.209+/-0.813 χ²/NDF: 4010186.8/49
In: 5985.365+/-0.792 χ²/NDF:2221856.8/44
Out: 5863.040+/-0.743 χ²/NDF:3277566.2/52
All: 5920.270+/-0.542 χ²/NDF: 5512102.0/97


diff_targ_thetaX_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.236+/-0.100 χ²/NDF: 26.4/21
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: -0.182+/-0.095 χ²/NDF: 28.5/27
Left In: -0.026+/-0.053 χ²/NDF:29.8/22
Left: 0.066+/-0.037 χ²/NDF: 68.1/47
Right: 0.017+/-0.069 χ²/NDF: 64.1/49
In: 0.031+/-0.047 χ²/NDF:61.6/44
Out: 0.079+/-0.046 χ²/NDF:70.4/52
All: 0.055+/-0.033 χ²/NDF: 132.6/97

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 304.726+/-0.071 χ^2/NDF: 4038207.1/21

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

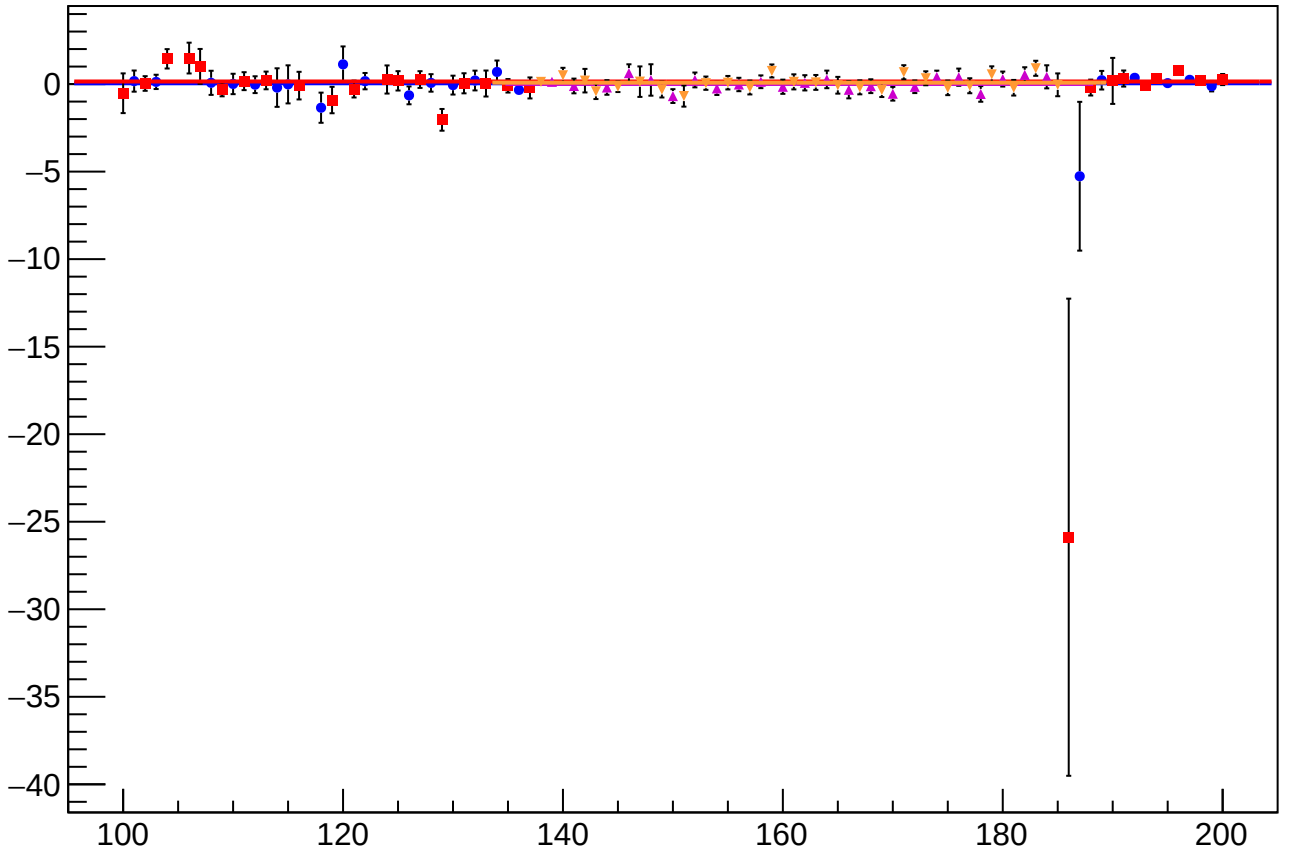
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 309.188+/-0.049 χ^2/NDF: 8689964.1/49

In: 239.107+/-0.033 χ^2/NDF:6604734.9/44

Out: 243.379+/-0.032 χ^2/NDF:7482811.7/52

All: 241.300+/-0.023 χ^2/NDF: 14096088.6/97



Right In: 0.046+/-0.094 χ^2/NDF: 12.6/21

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.148+/-0.087 χ^2/NDF: 37.8/27

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

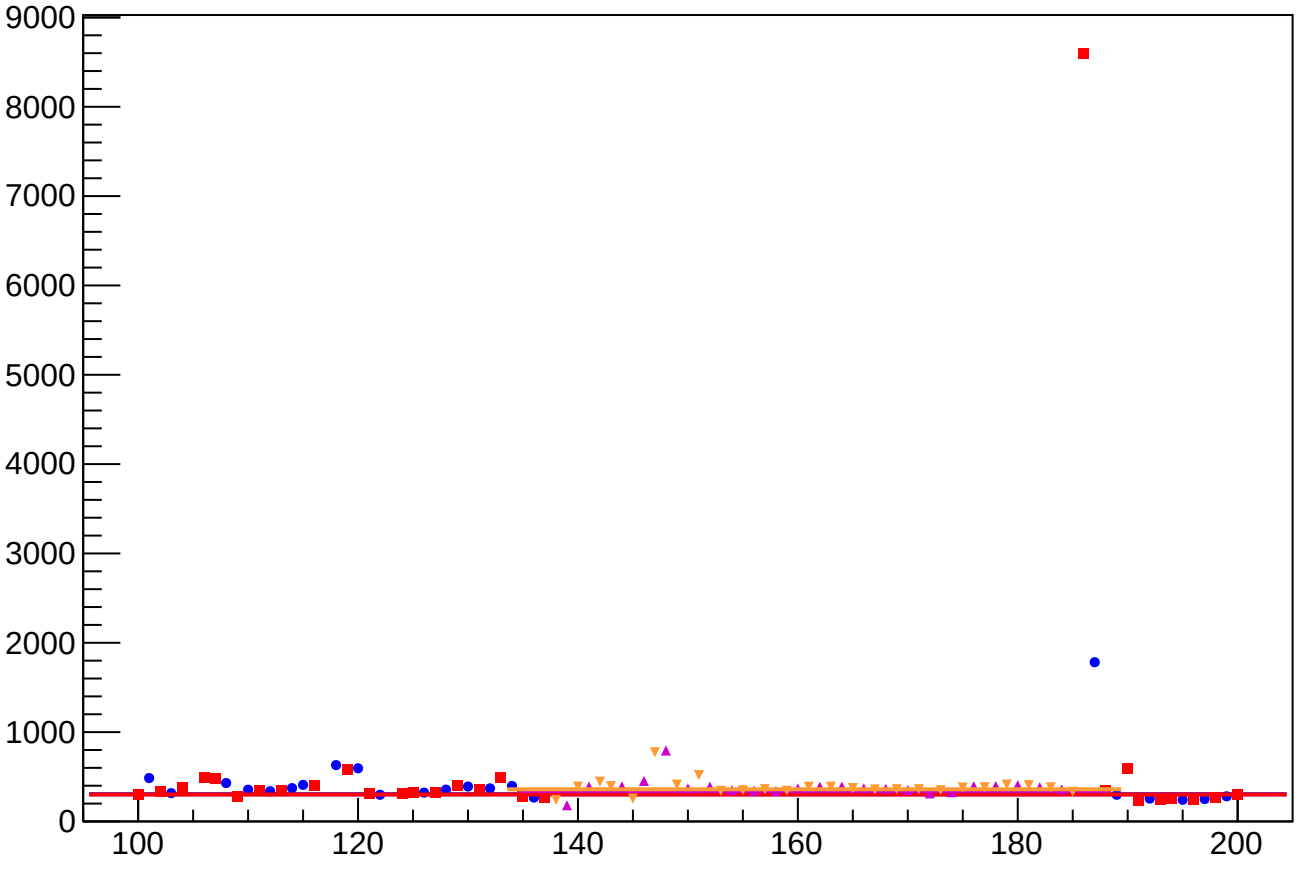
Right: 0.101+/-0.064 χ^2/NDF: 51.1/49

In: 0.025+/-0.062 χ^2/NDF:28.0/44

Out: 0.113+/-0.061 χ^2/NDF:57.1/52

All: 0.070+/-0.043 χ^2/NDF: 86.1/97

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 304.565+/-0.067 χ^2/NDF: 1435185.6/21

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

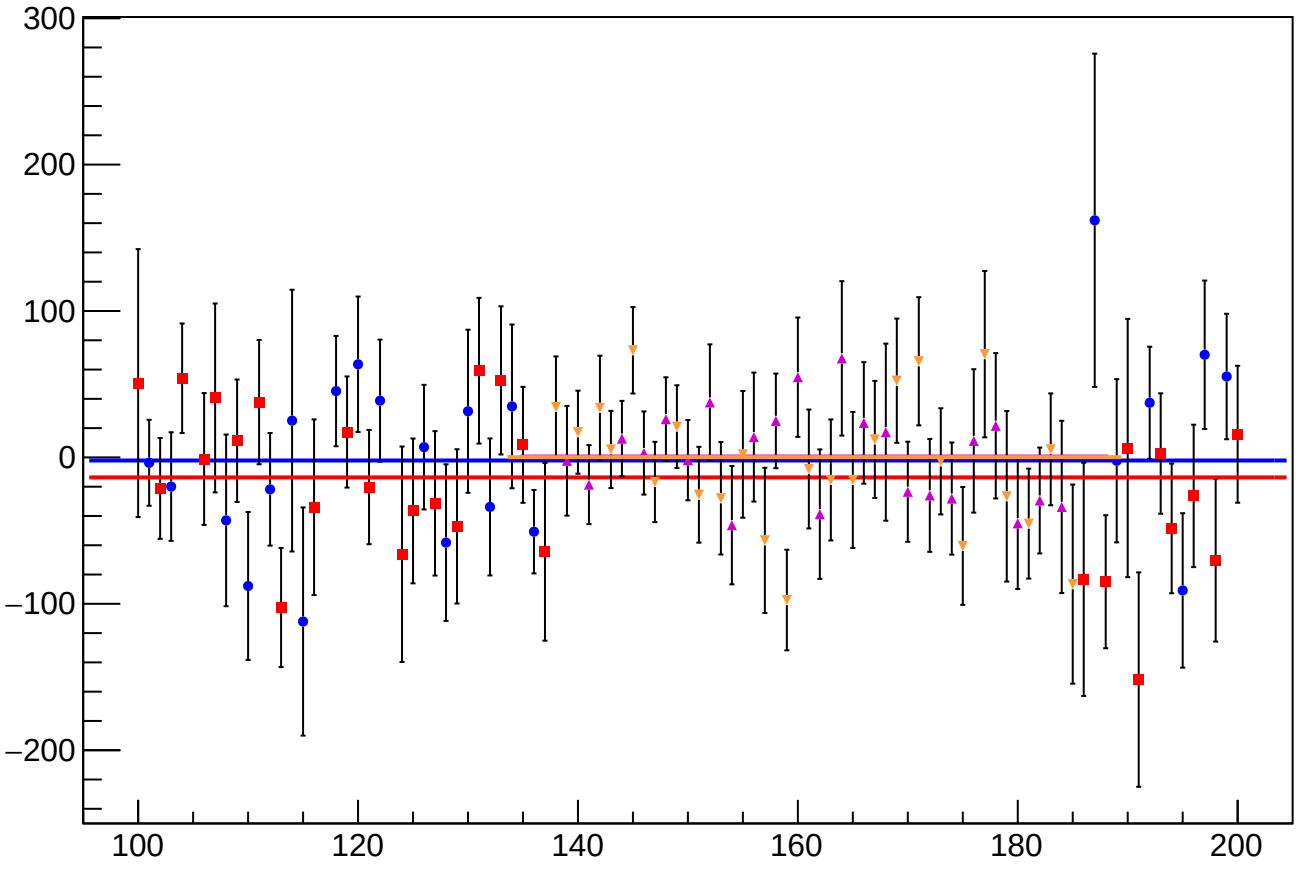
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 302.973+/-0.045 χ^2/NDF: 3372687.4/49

In: 324.538+/-0.044 χ^2/NDF:3820339.1/44

Out: 331.695+/-0.043 χ^2/NDF:3741700.5/52

All: 328.213+/-0.031 χ^2/NDF: 7575652.5/97



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

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

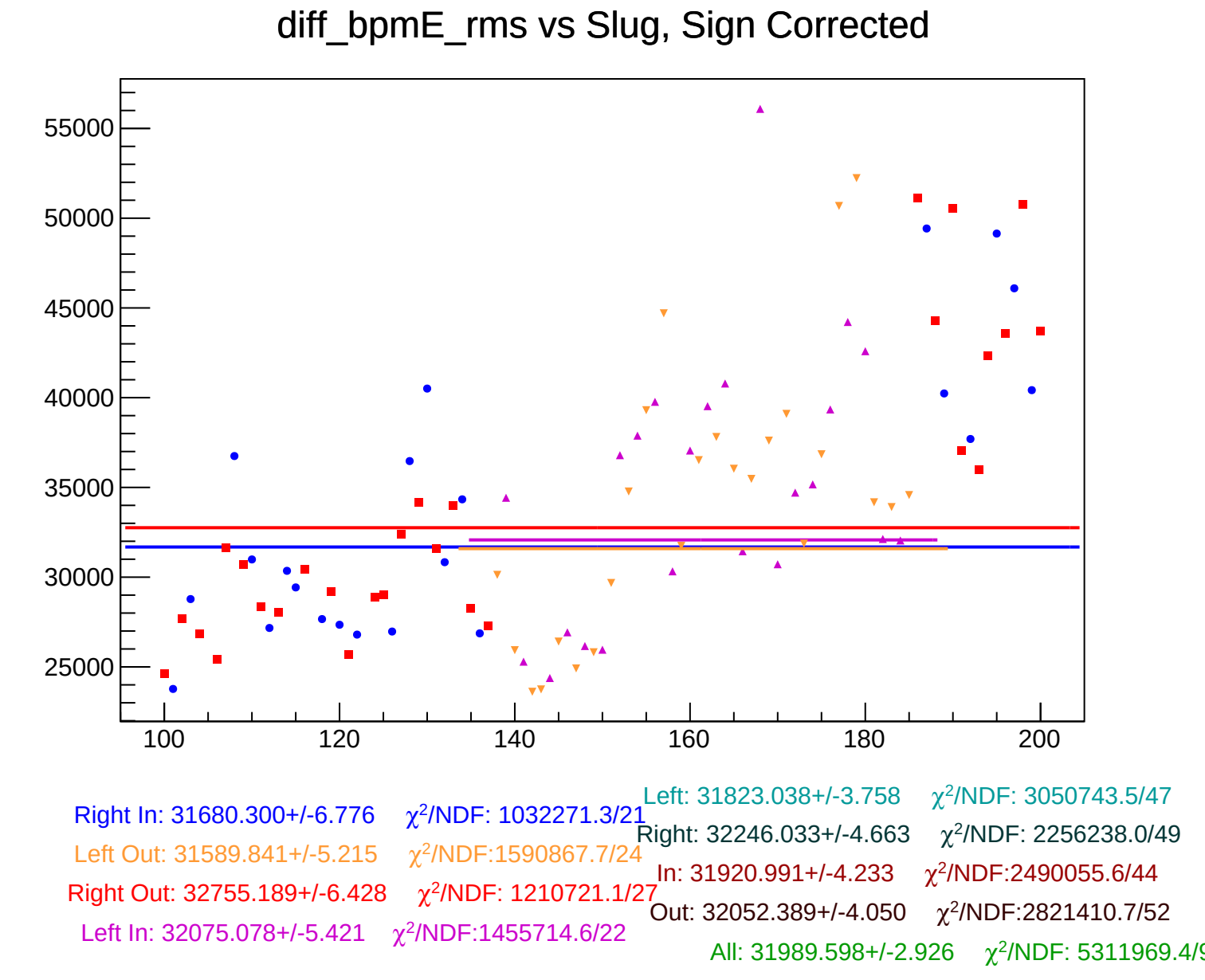
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.183+/-6.595 χ^2/NDF: 53.6/49

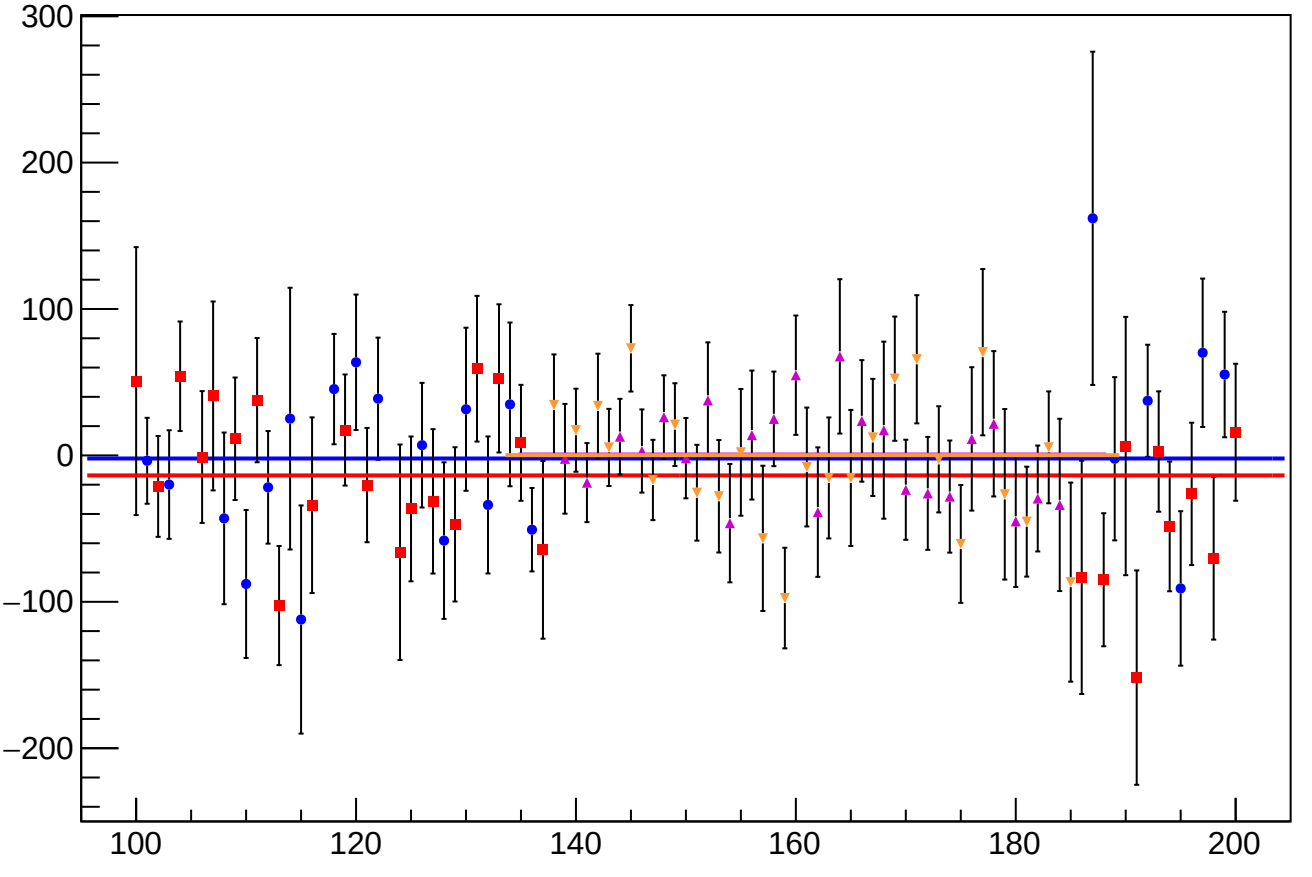
In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -2.998+/-4.138 χ^2/NDF: 98.6/97


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
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: 32246.033+/-4.663 χ²/NDF: 2256238.0/49
In: 31920.991+/-4.233 χ²/NDF:2490055.6/44
Out: 32052.389+/-4.050 χ²/NDF:2821410.7/52
All: 31989.598+/-2.926 χ²/NDF: 5311969.4/9

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

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

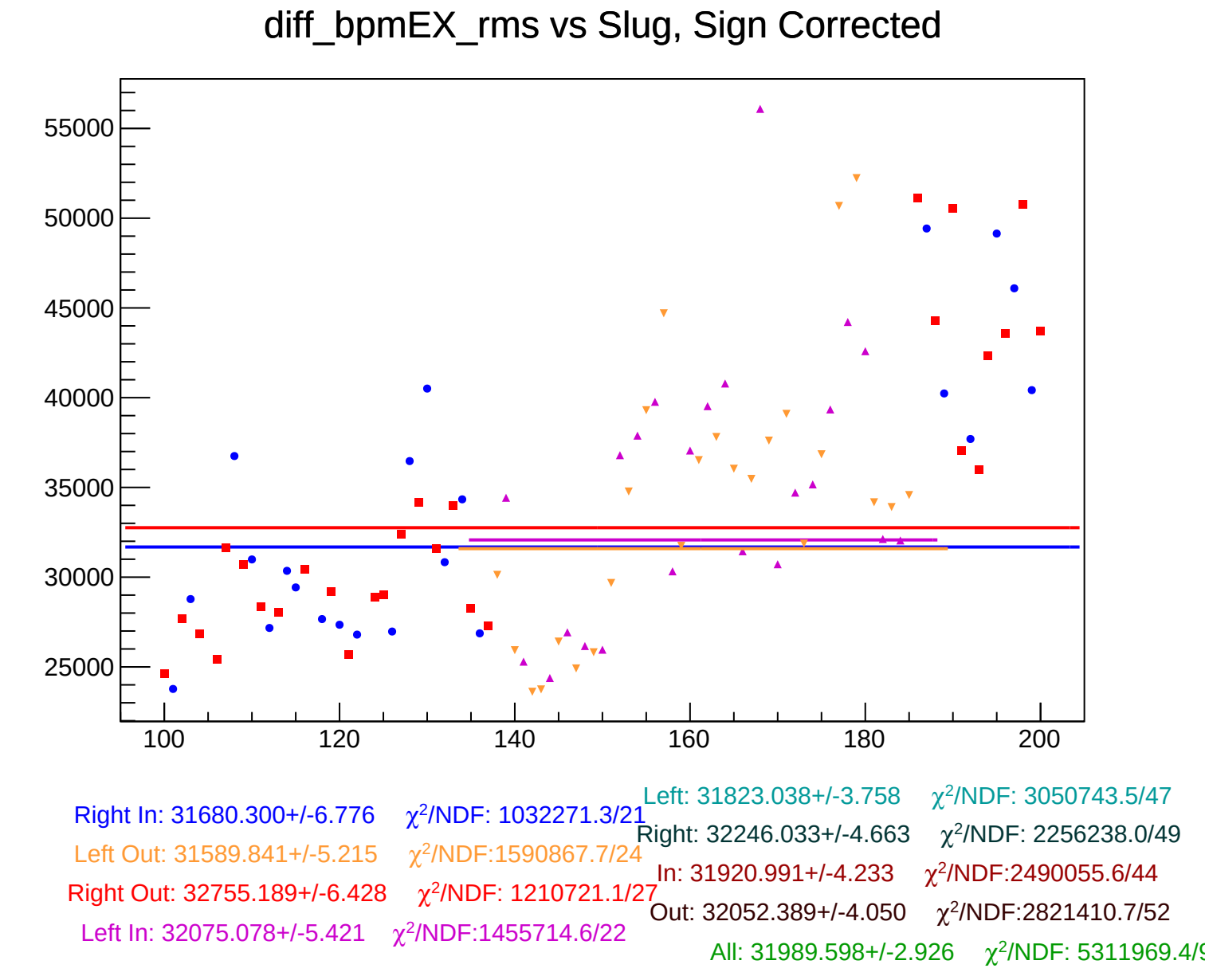
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.183+/-6.595 χ^2/NDF: 53.6/49

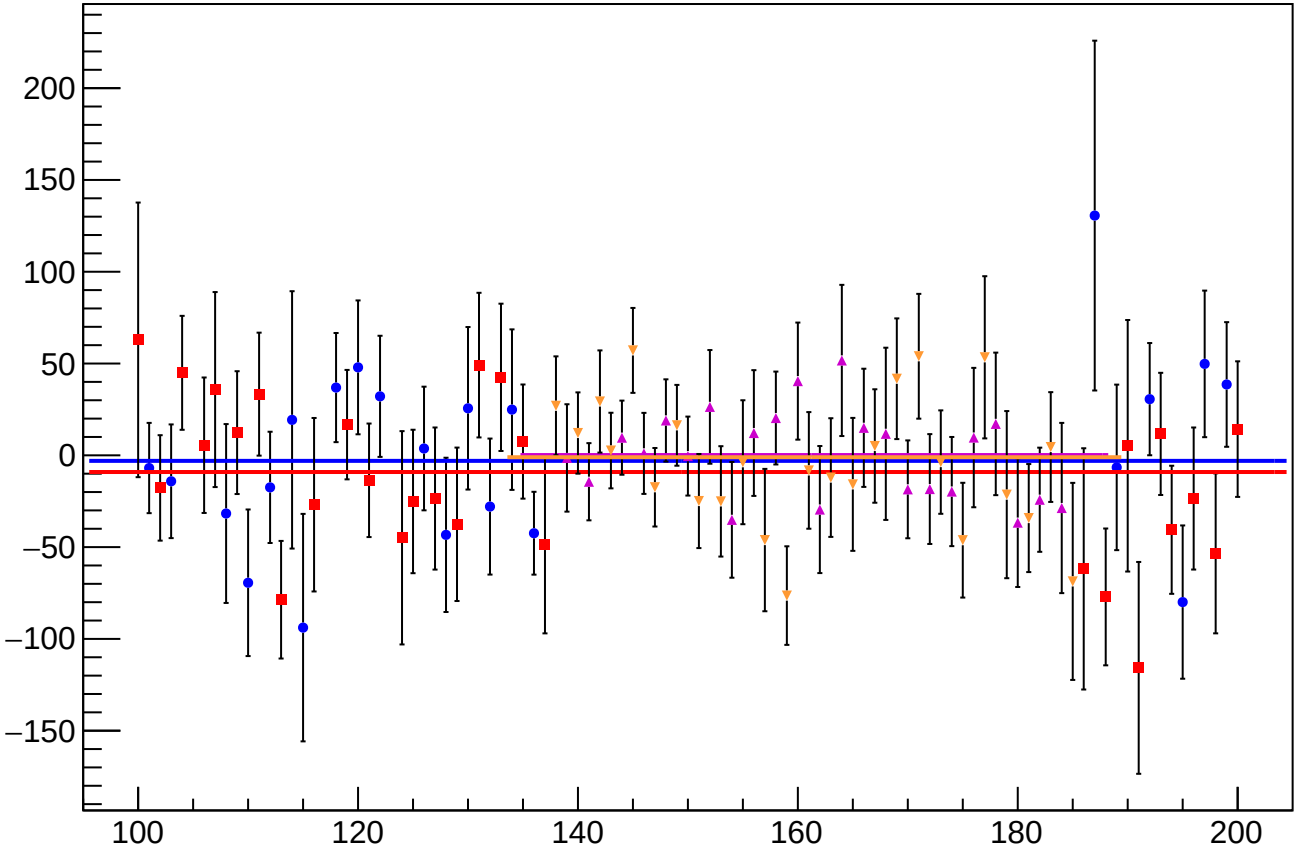
In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -2.998+/-4.138 χ^2/NDF: 98.6/97


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
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: 32246.033+/-4.663 χ²/NDF: 2256238.0/49
In: 31920.991+/-4.233 χ²/NDF:2490055.6/44
Out: 32052.389+/-4.050 χ²/NDF:2821410.7/52
All: 31989.598+/-2.926 χ²/NDF: 5311969.4/9

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.019+/-7.665 χ^2/NDF: 25.8/21

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

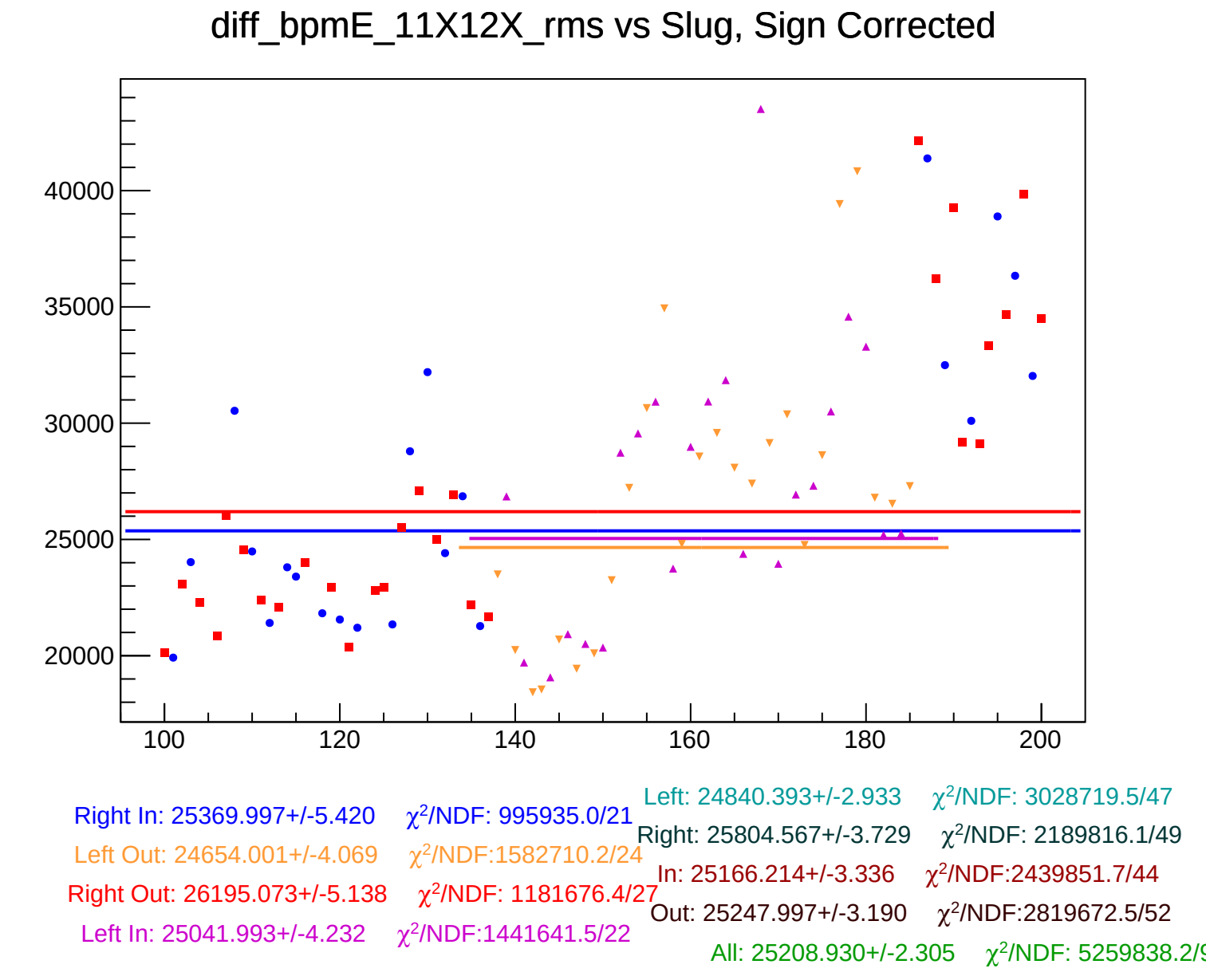
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.217+/-5.273 χ^2/NDF: 54.8/49

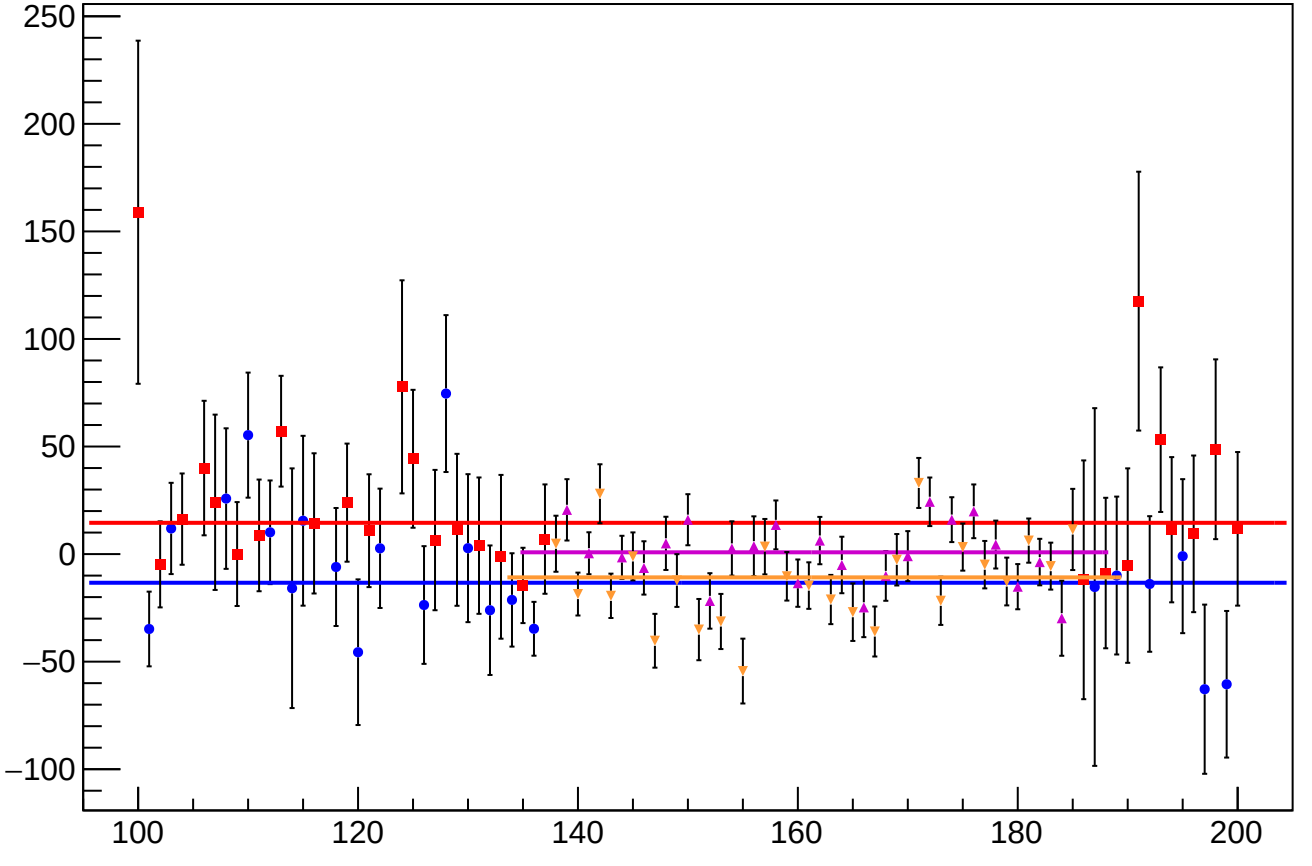
In: -1.052+/-4.717 χ^2/NDF:38.0/44

Out: -4.144+/-4.511 χ^2/NDF:61.8/52

All: -2.667+/-3.260 χ^2/NDF: 100.0/97


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25369.997+/-5.420 χ²/NDF: 995935.0/21
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: 25804.567+/-3.729 χ²/NDF: 2189816.1/49
In: 25166.214+/-3.336 χ²/NDF:2439851.7/44
Out: 25247.997+/-3.190 χ²/NDF:2819672.5/52
All: 25208.930+/-2.305 χ²/NDF: 5259838.2/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -13.326+/-5.719 χ^2/NDF: 25.8/21

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

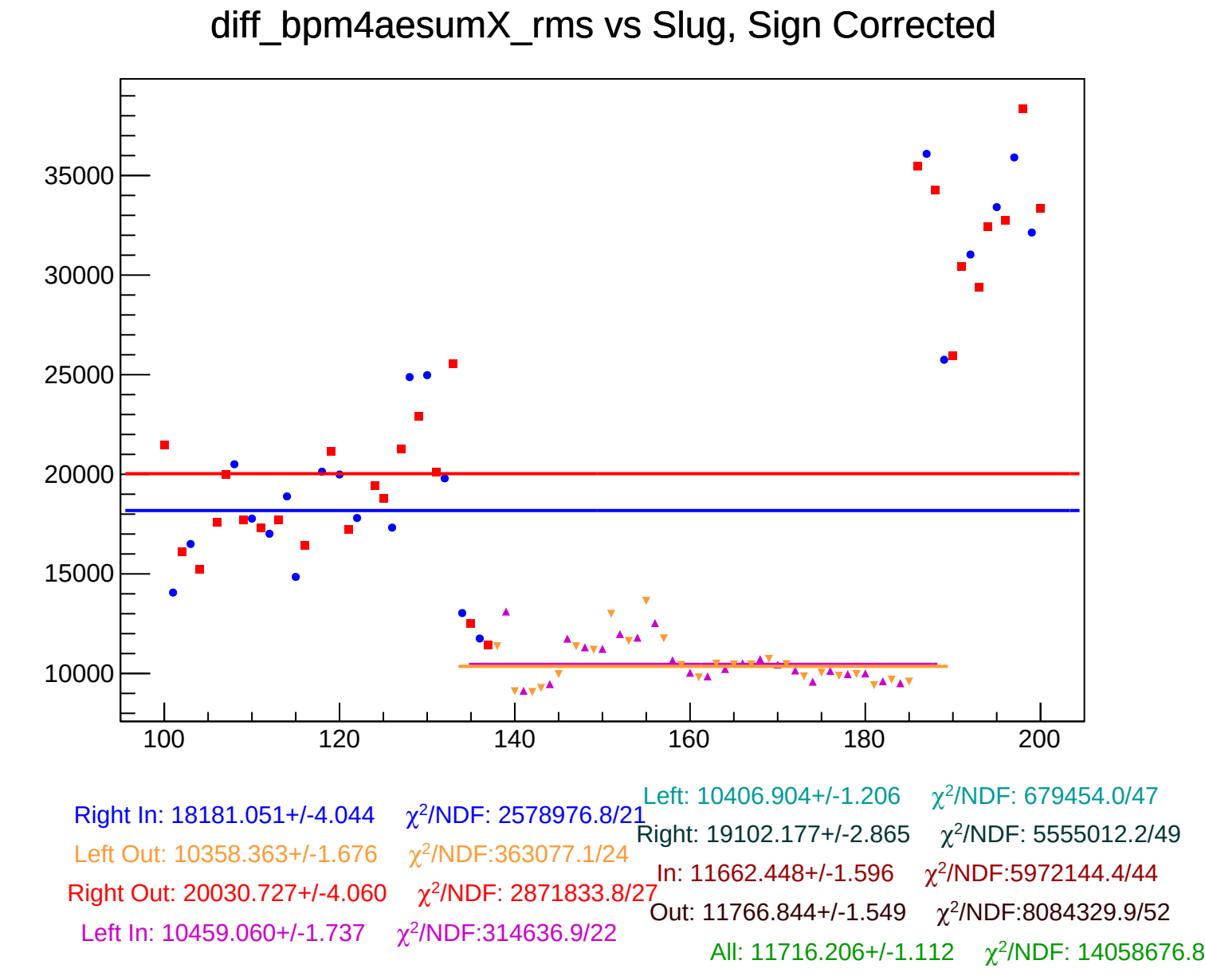
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

Right: 0.549+/-4.052 χ^2/NDF: 57.4/49

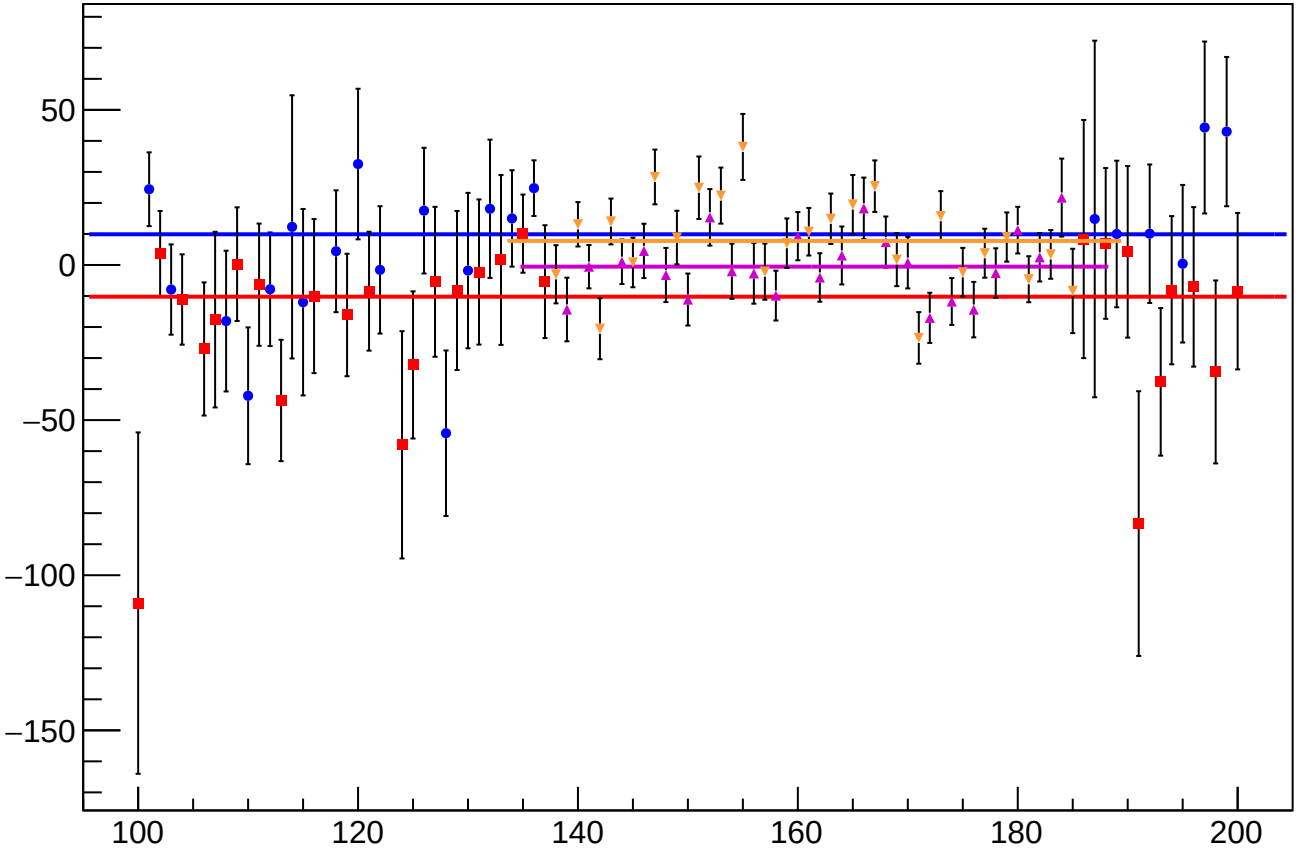
In: -1.379+/-2.257 χ^2/NDF:60.4/44

Out: -7.130+/-2.191 χ^2/NDF:97.7/52

All: -4.340+/-1.572 χ^2/NDF: 161.4/97


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 18181.051+/-4.044 χ²/NDF: 2578976.8/21
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 20030.727+/-4.060 χ²/NDF: 2871833.8/27
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 19102.177+/-2.865 χ²/NDF: 5555012.2/49
In: 11662.448+/-1.596 χ²/NDF:5972144.4/44
Out: 11766.844+/-1.549 χ²/NDF:8084329.9/52
All: 11716.206+/-1.112 χ²/NDF: 14058676.8

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 9.897+/-4.089 χ^2/NDF: 25.5/21

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

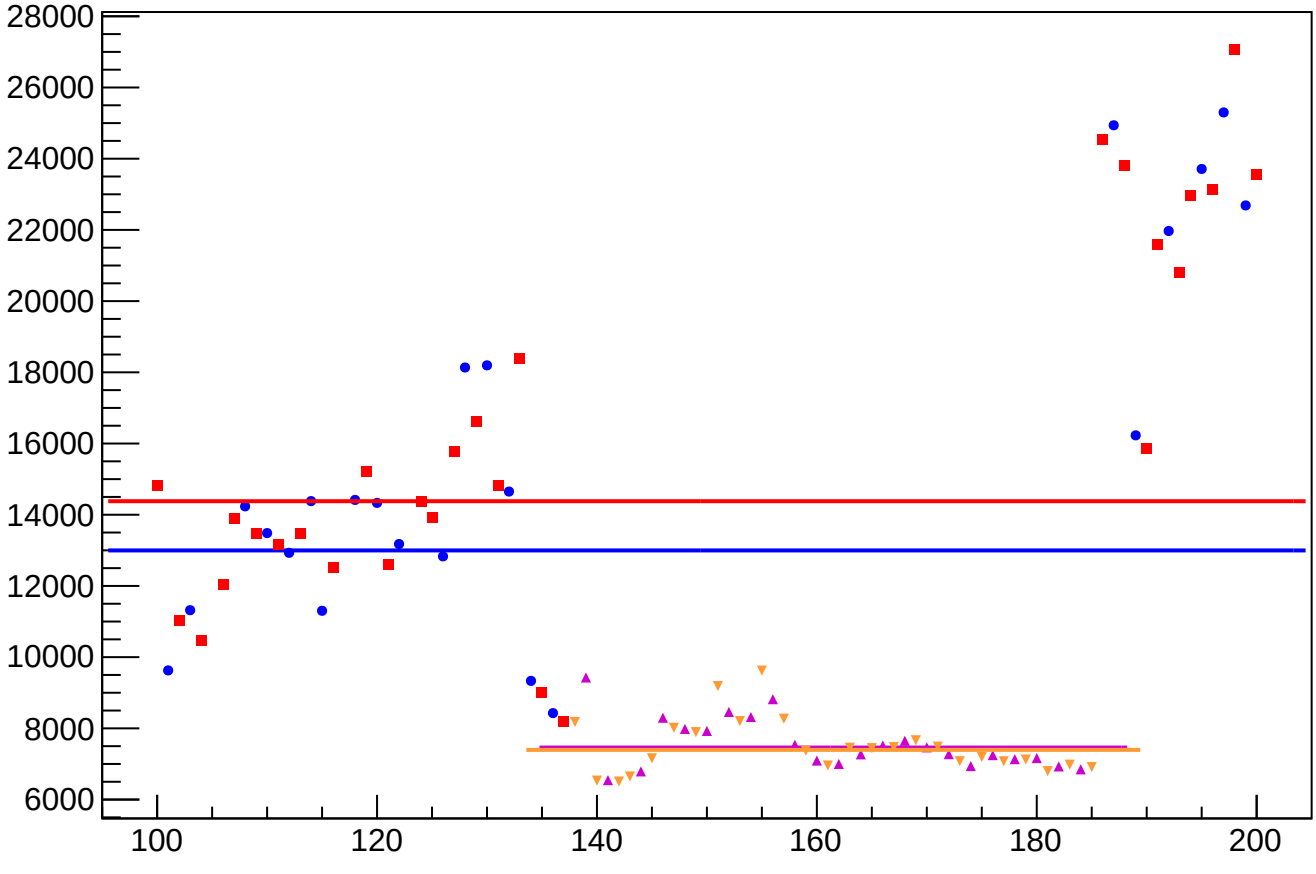
Right: -0.101+/-2.900 χ^2/NDF: 57.4/49

In: 1.086+/-1.610 χ^2/NDF:60.5/44

Out: 5.162+/-1.564 χ^2/NDF:97.2/52

All: 3.183+/-1.122 χ^2/NDF: 161.0/97

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 12997.367+/-2.891 χ^2/NDF: 2542542.2/21

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

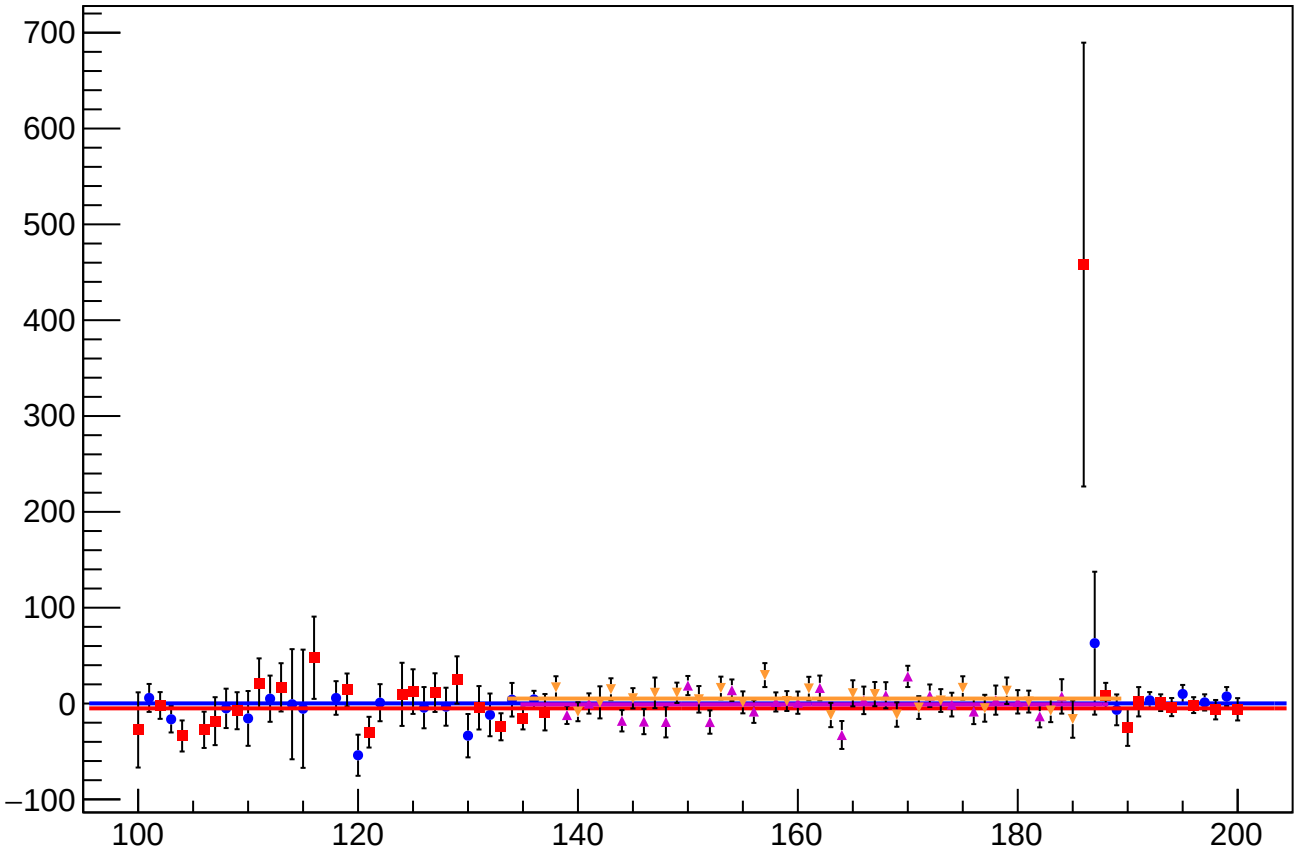
Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

Right: 13684.485+/-2.051 χ^2/NDF: 5432213.0/49

In: 8319.507+/-1.139 χ^2/NDF:5924379.8/44

Out: 8405.752+/-1.106 χ^2/NDF:8031983.5/52

All: 8363.879+/-0.793 χ^2/NDF: 13959314.6/9



Right In: 0.142+/-3.142 χ^2/NDF: 14.0/21

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

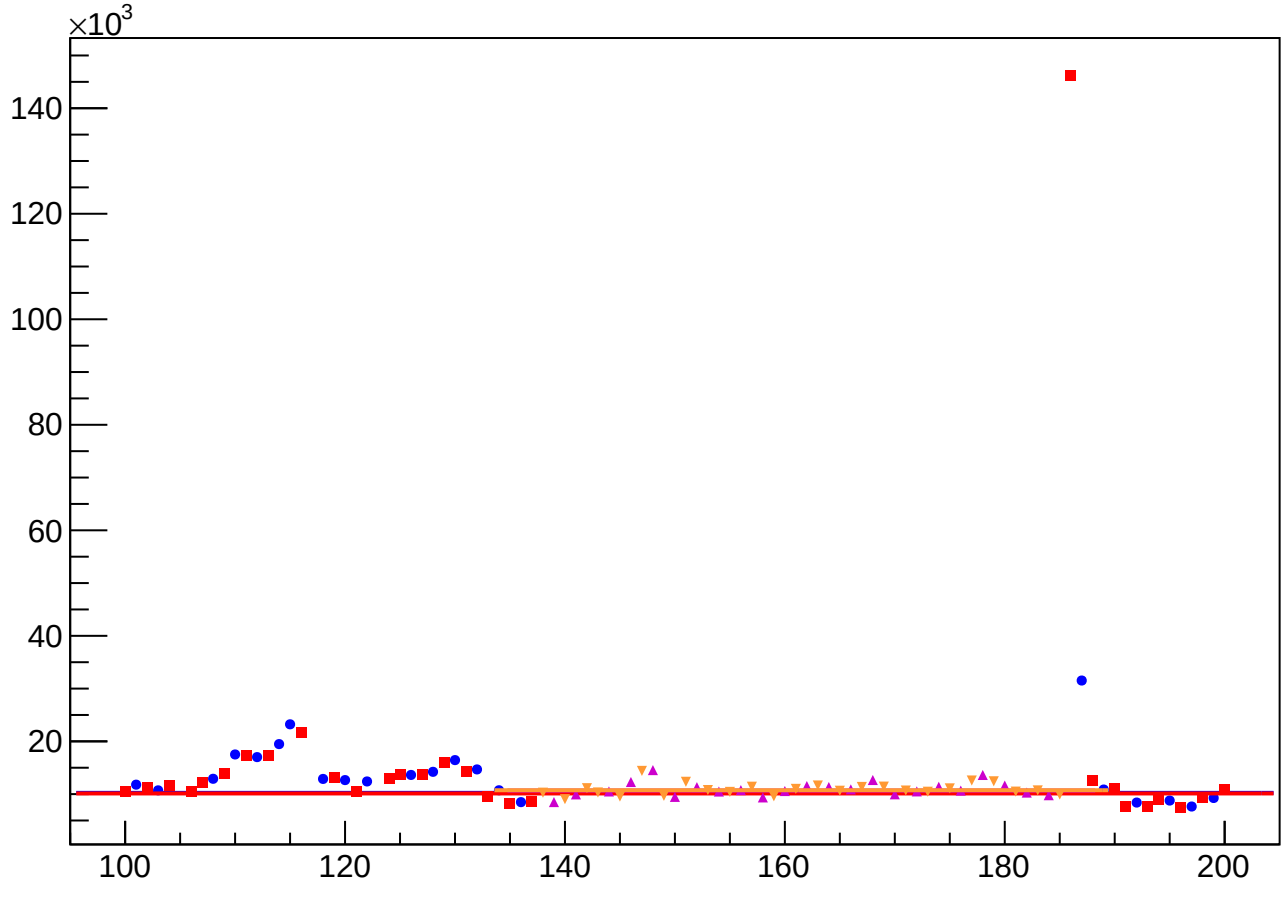
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -2.675+/-2.125 χ^2/NDF: 40.1/49

In: -0.487+/-1.965 χ^2/NDF:45.8/44

Out: 0.873+/-1.871 χ^2/NDF:50.3/52

All: 0.226+/-1.355 χ^2/NDF: 96.4/97



Right In: 10235.636+/-2.222 χ^2/NDF: 1533555.0/21

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

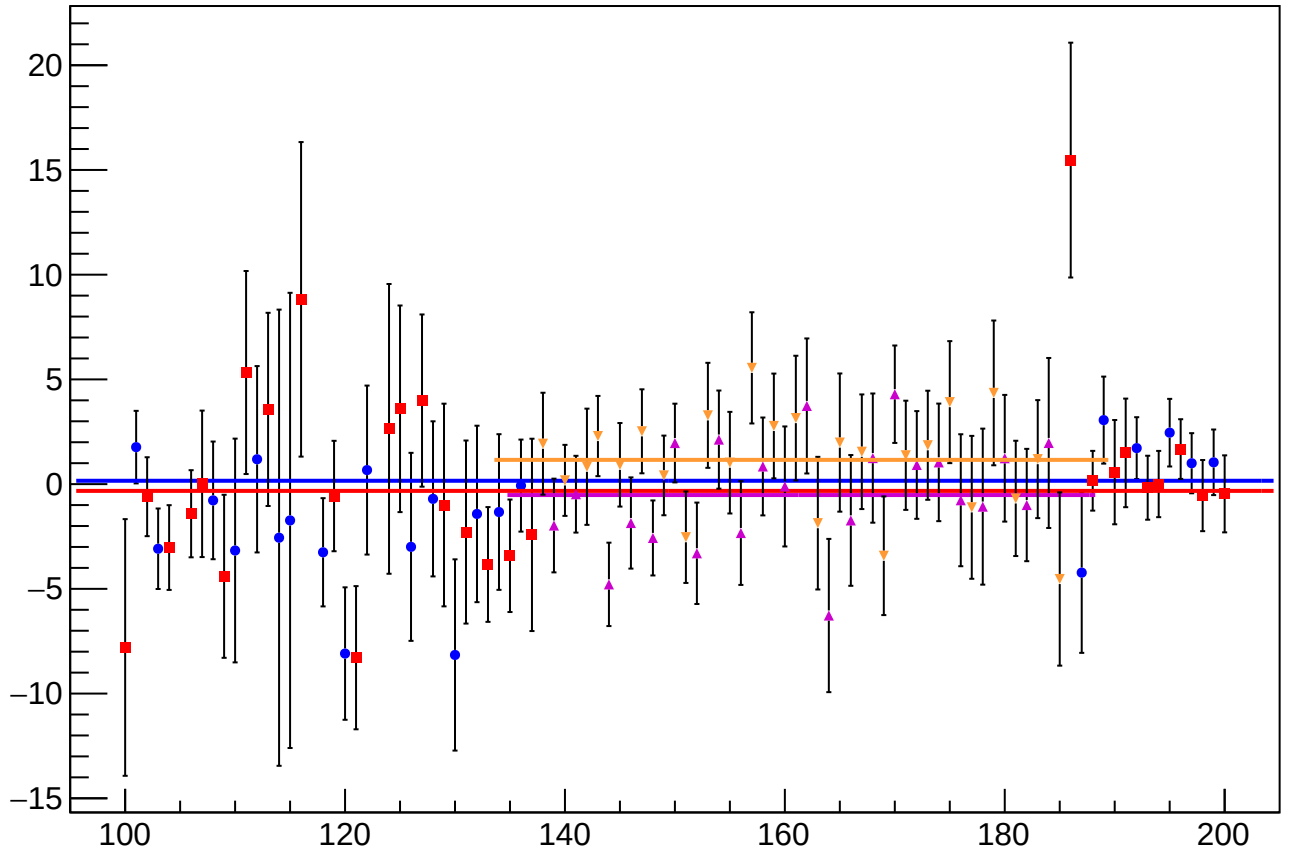
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10175.083+/-1.502 χ^2/NDF: 3797511.7/49

In: 10504.463+/-1.390 χ^2/NDF:2058170.7/44

Out: 10477.105+/-1.323 χ^2/NDF:2682623.8/52

All: 10490.113+/-0.958 χ^2/NDF: 4740997.9/9



Right In: 0.160+/-0.521 χ^2/NDF: 24.2/21

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

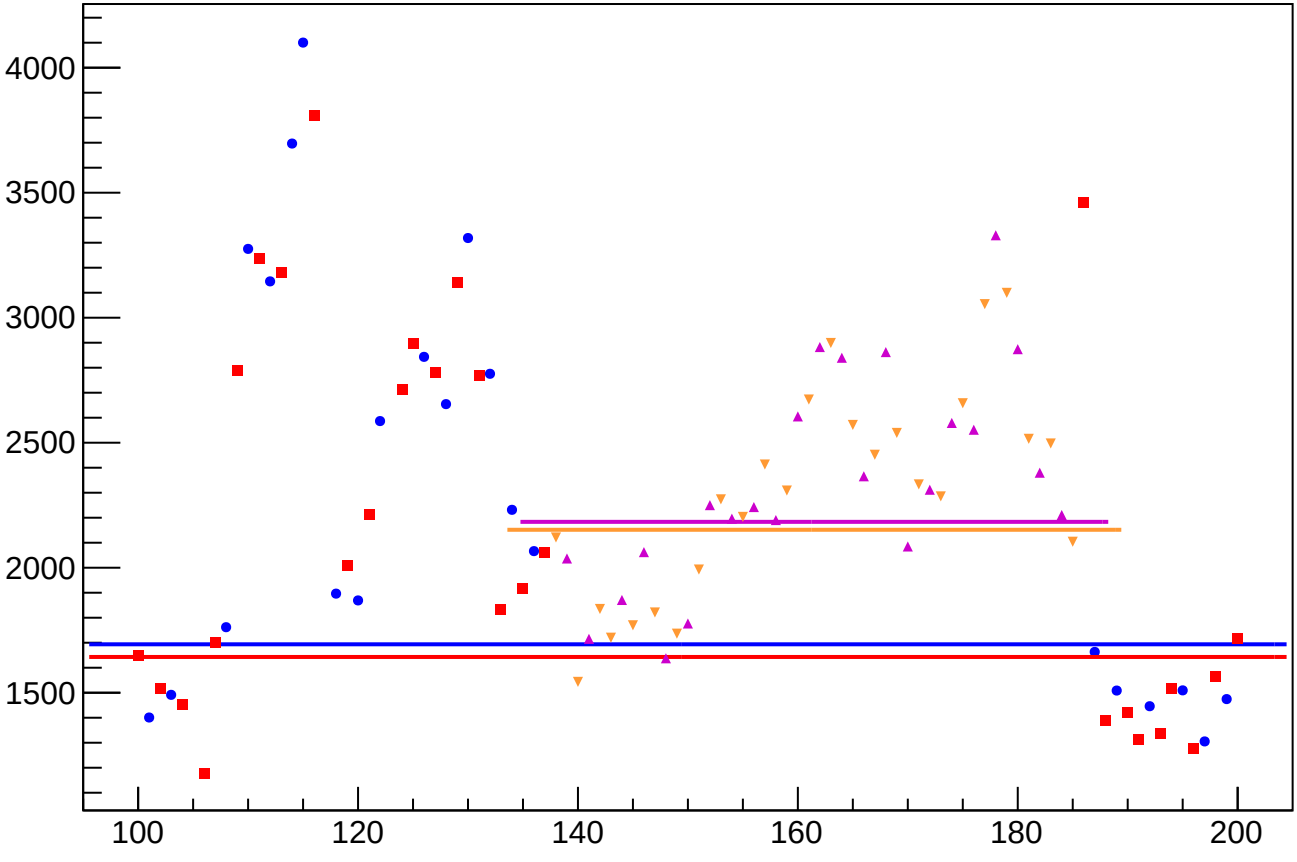
Right: -0.108+/-0.347 χ^2/NDF: 54.3/49

In: -0.181+/-0.368 χ^2/NDF:47.3/44

Out: 0.365+/-0.341 χ^2/NDF:51.2/52

All: 0.113+/-0.250 χ^2/NDF: 99.7/97

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1693.699+/-0.368 χ^2/NDF: 1785701.9/21

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

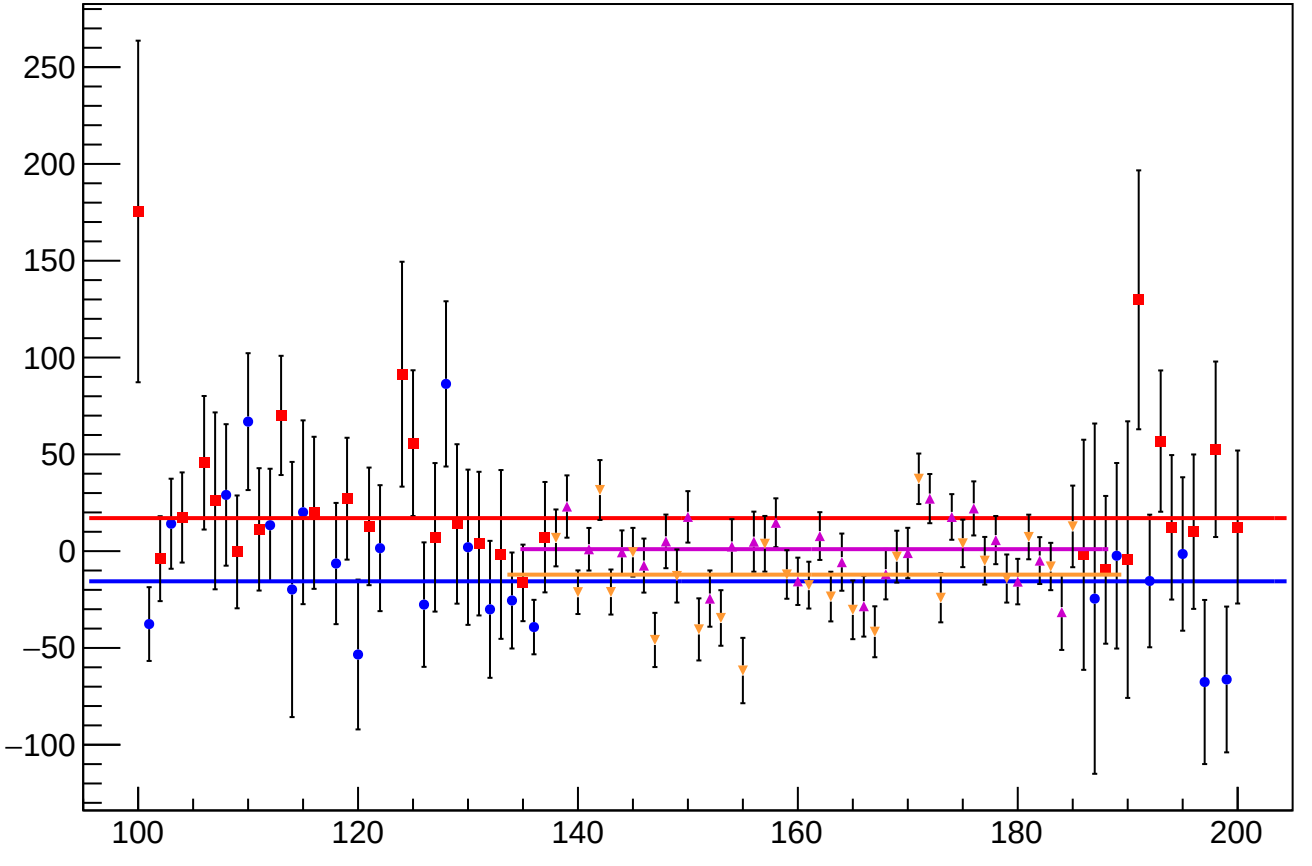
Right: 1665.575+/-0.246 χ^2/NDF: 4051333.3/49

In: 1939.012+/-0.260 χ^2/NDF:3834058.3/44

Out: 1879.545+/-0.241 χ^2/NDF:4711899.2/52

All: 1907.025+/-0.177 χ^2/NDF: 8574062.9/97

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -15.581+/-6.514 χ^2/NDF: 25.5/21

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 17.061+/-6.555 χ^2/NDF: 19.8/27

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

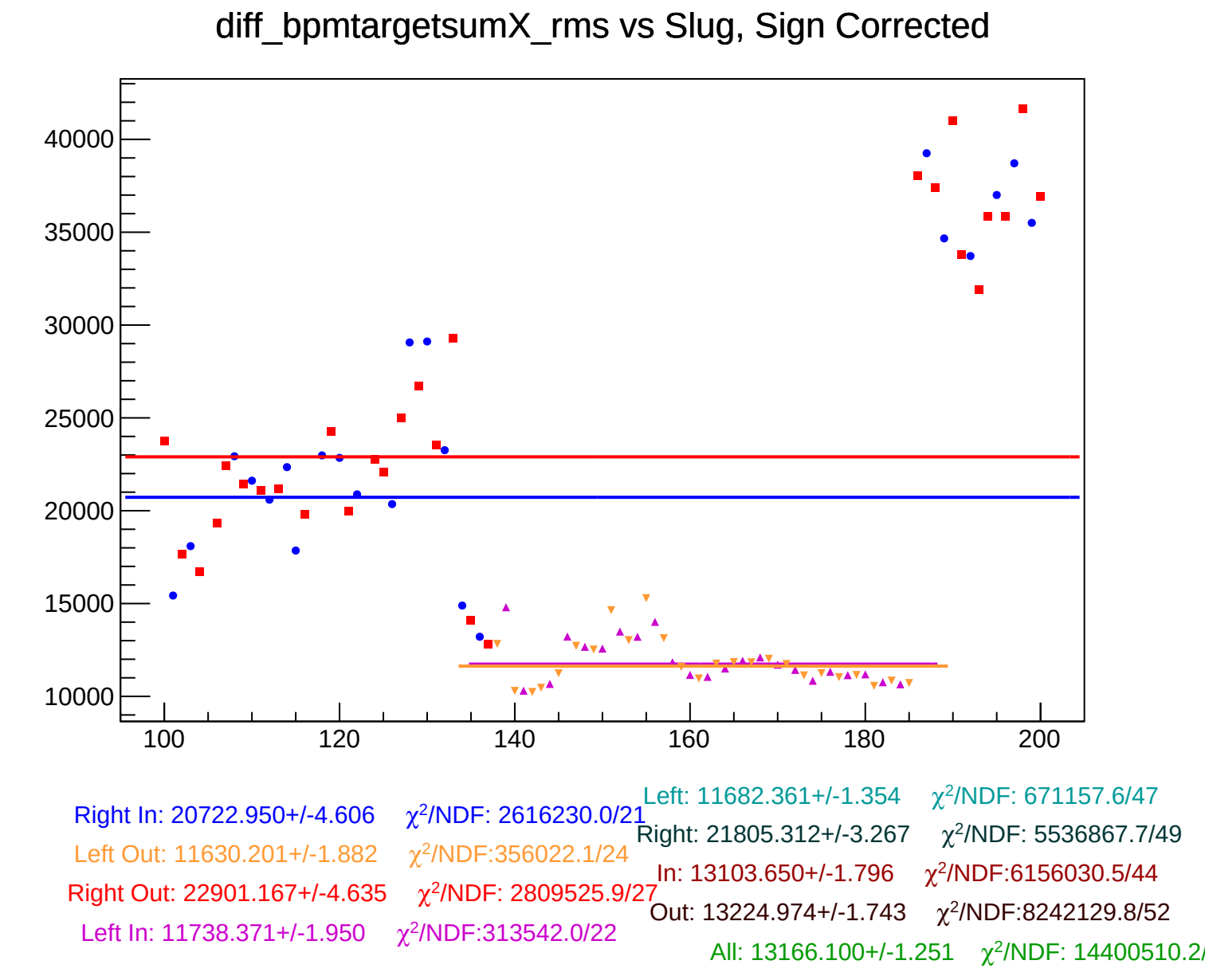
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

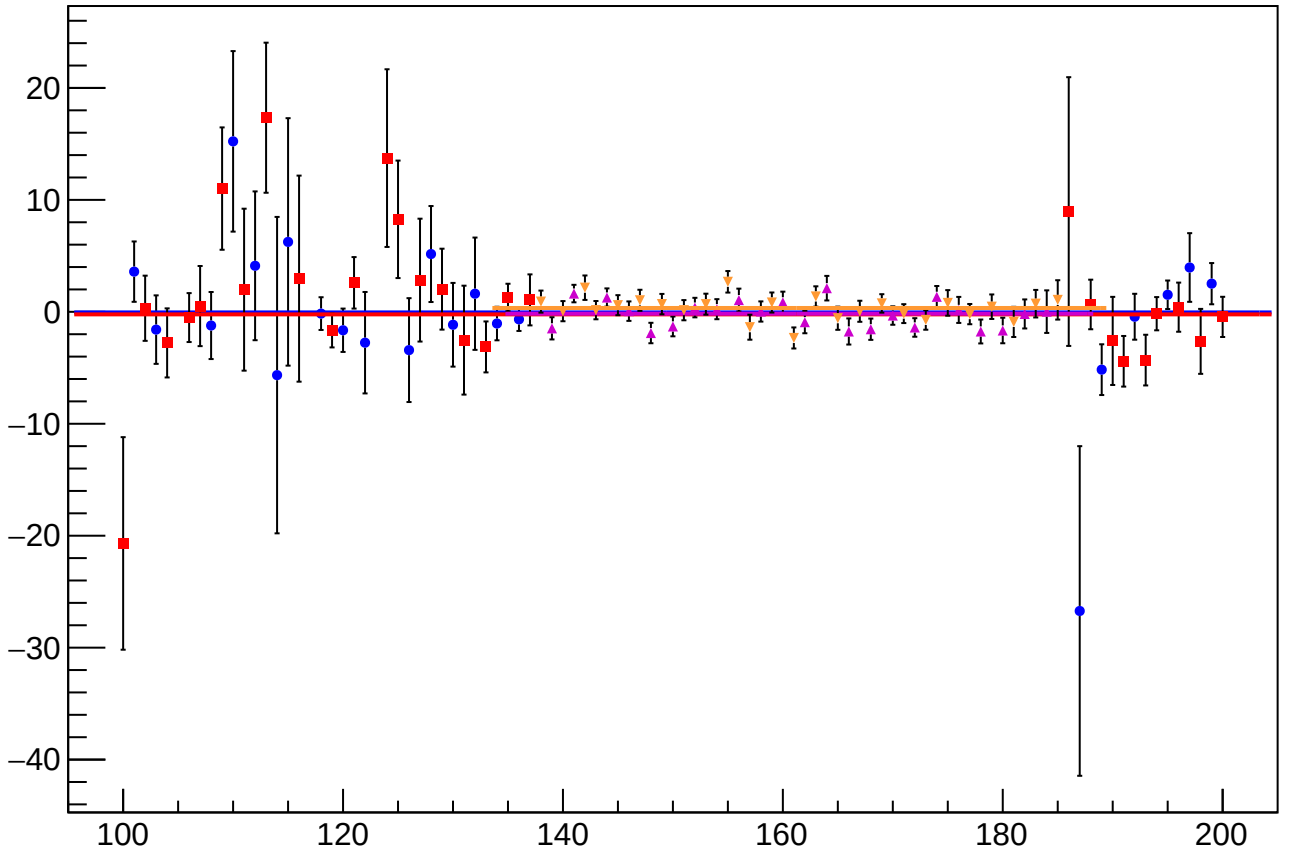
Right: 0.639+/-4.621 χ^2/NDF: 57.8/49

In: -1.499+/-2.539 χ^2/NDF:59.8/44

Out: -8.004+/-2.466 χ^2/NDF:99.5/52

All: -4.847+/-1.769 χ^2/NDF: 162.7/97


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 20722.950+/-4.606 χ²/NDF: 2616230.0/21
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 22901.167+/-4.635 χ²/NDF: 2809525.9/27
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 21805.312+/-3.267 χ²/NDF: 5536867.7/49
In: 13103.650+/-1.796 χ²/NDF:6156030.5/44
Out: 13224.974+/-1.743 χ²/NDF:8242129.8/52
All: 13166.100+/-1.251 χ²/NDF: 14400510.2/



Right In: -0.054+/-0.486 χ^2/NDF: 24.3/21

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

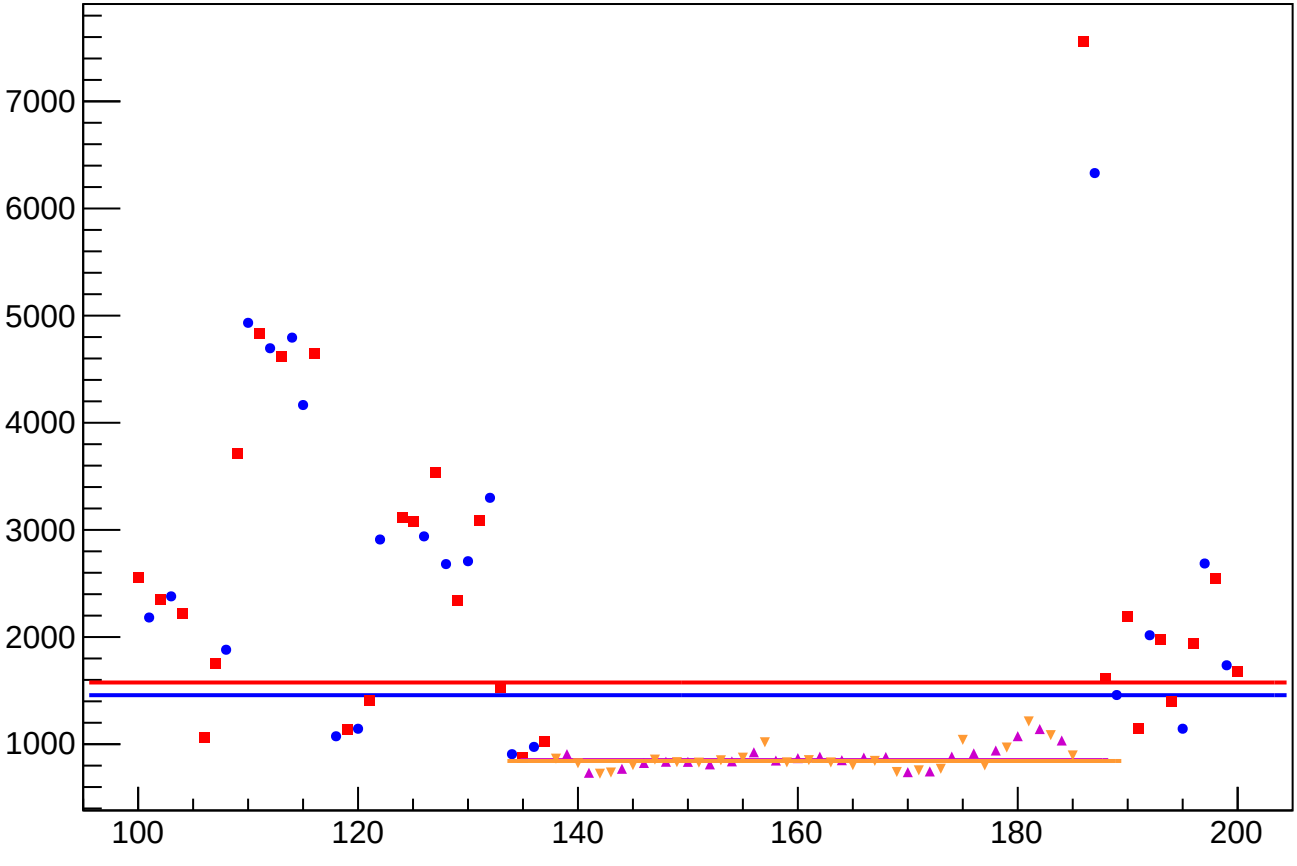
Right: -0.141+/-0.343 χ^2/NDF: 62.2/49

In: -0.149+/-0.186 χ^2/NDF:60.7/44

Out: 0.264+/-0.180 χ^2/NDF:65.8/52

All: 0.064+/-0.129 χ^2/NDF: 129.1/97

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1457.353+/-0.344 χ^2/NDF: 4259237.8/21

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

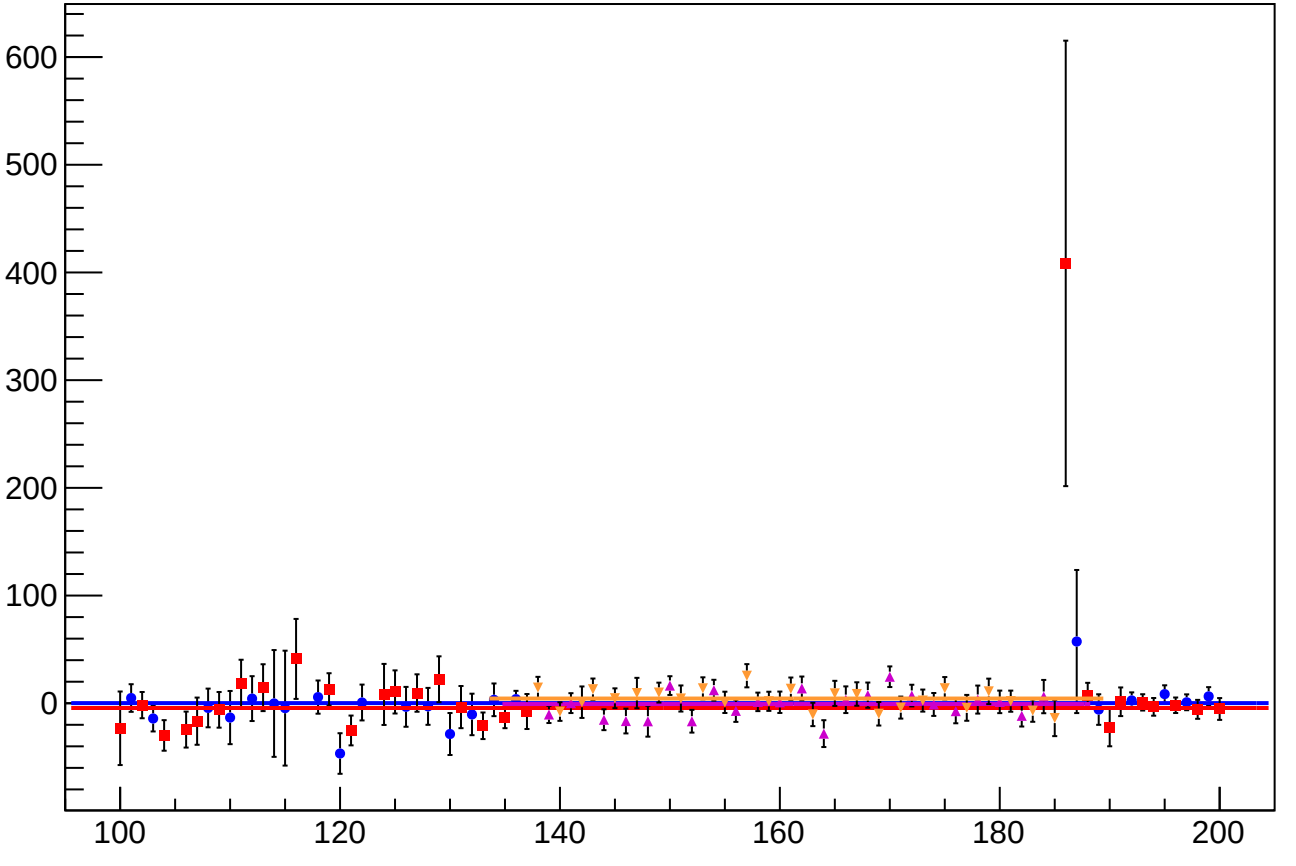
Right: 1516.683+/-0.243 χ^2/NDF: 8756322.6/49

In: 939.946+/-0.131 χ^2/NDF:7293878.1/44

Out: 943.969+/-0.127 χ^2/NDF:8872652.0/52

All: 942.020+/-0.091 χ^2/NDF: 16167014.3/97

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 0.131+/-2.728 χ^2/NDF: 13.7/21

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

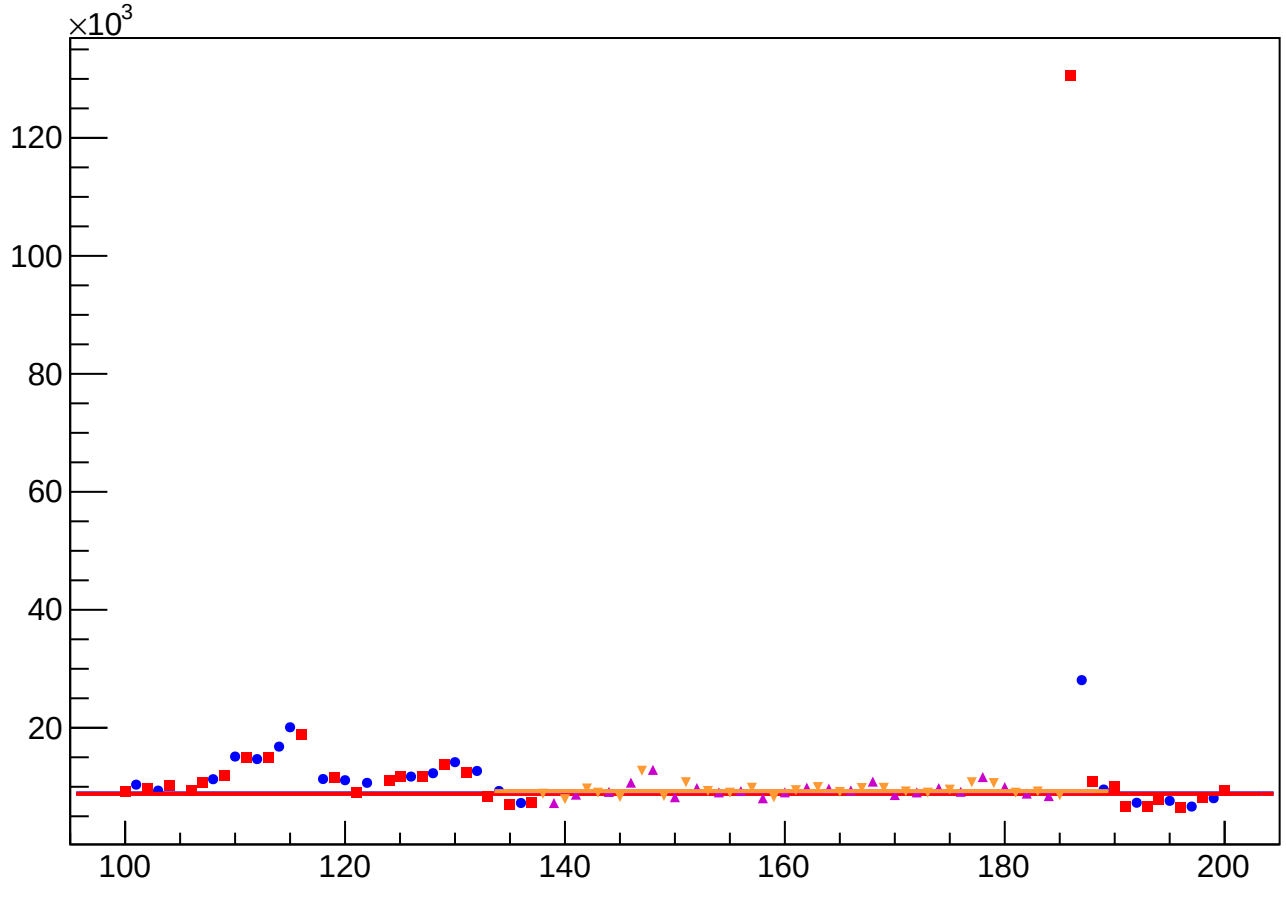
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.324+/-1.846 χ^2/NDF: 39.7/49

In: -0.399+/-1.698 χ^2/NDF:45.8/44

Out: 0.719+/-1.619 χ^2/NDF:50.3/52

All: 0.187+/-1.172 χ^2/NDF: 96.3/97



Right In: 8880.421+/-1.929 χ^2/NDF: 1544272.7/21

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

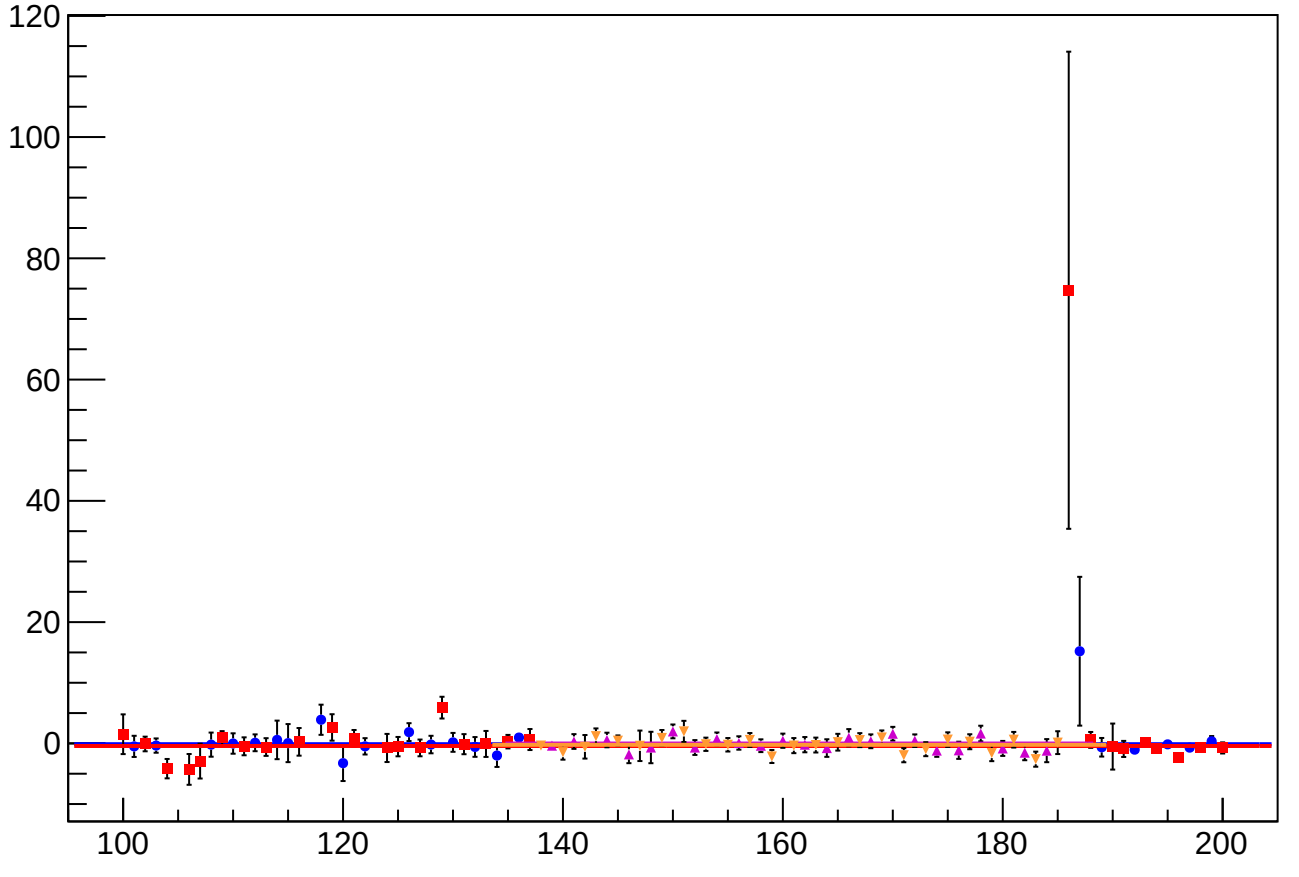
Right: 8834.314+/-1.305 χ^2/NDF: 3813809.8/49

In: 9075.808+/-1.201 χ^2/NDF:2076531.1/44

Out: 9066.987+/-1.145 χ^2/NDF:2674852.9/52

All: 9071.187+/-0.829 χ^2/NDF: 4751412.2/97

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.132+/-0.272 χ^2/NDF: 12.6/21

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

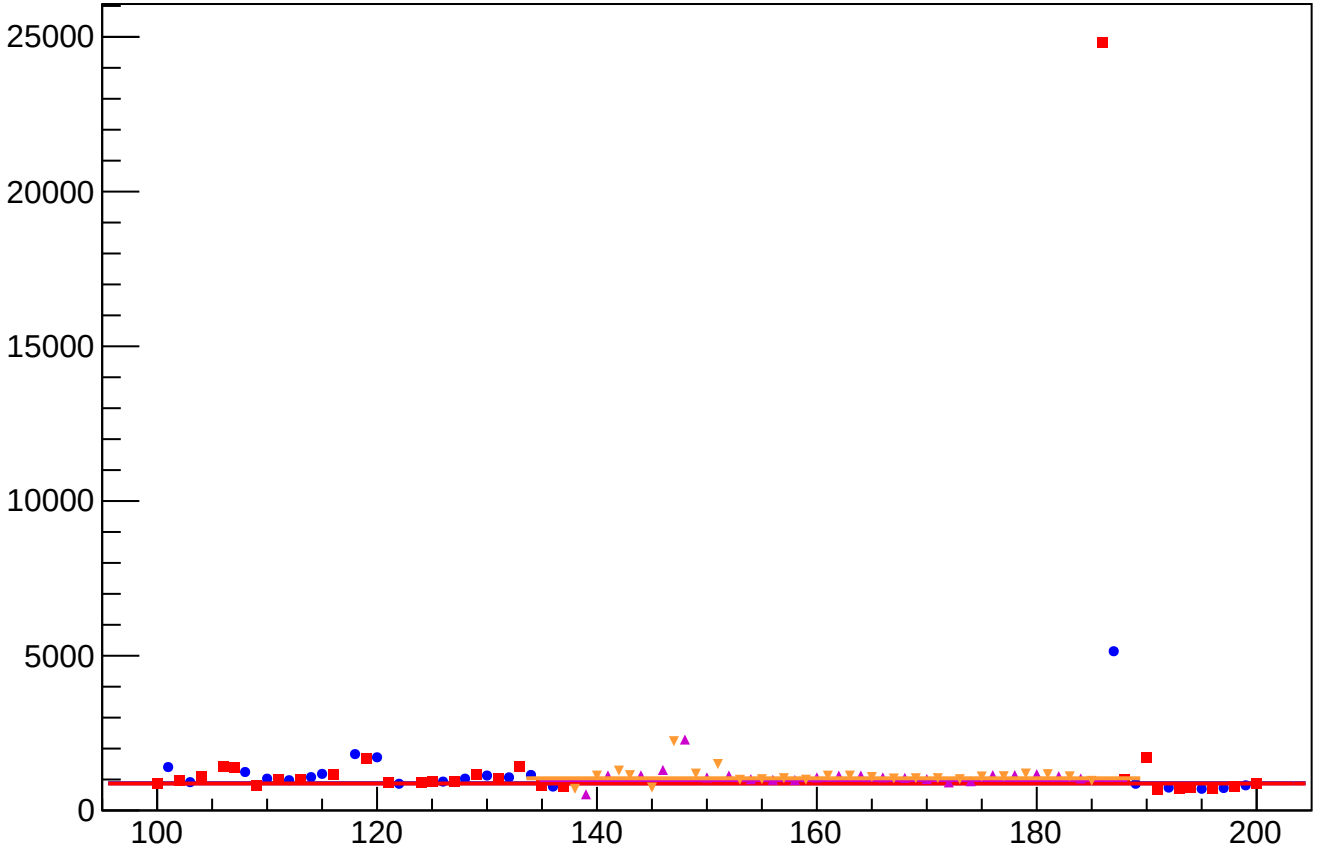
Right: -0.291+/-0.184 χ^2/NDF: 51.1/49

In: -0.071+/-0.179 χ^2/NDF:28.0/44

Out: -0.325+/-0.175 χ^2/NDF:57.1/52

All: -0.202+/-0.125 χ^2/NDF: 86.1/97

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 879.315+/-0.192 χ^2/NDF: 1435185.6/21

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

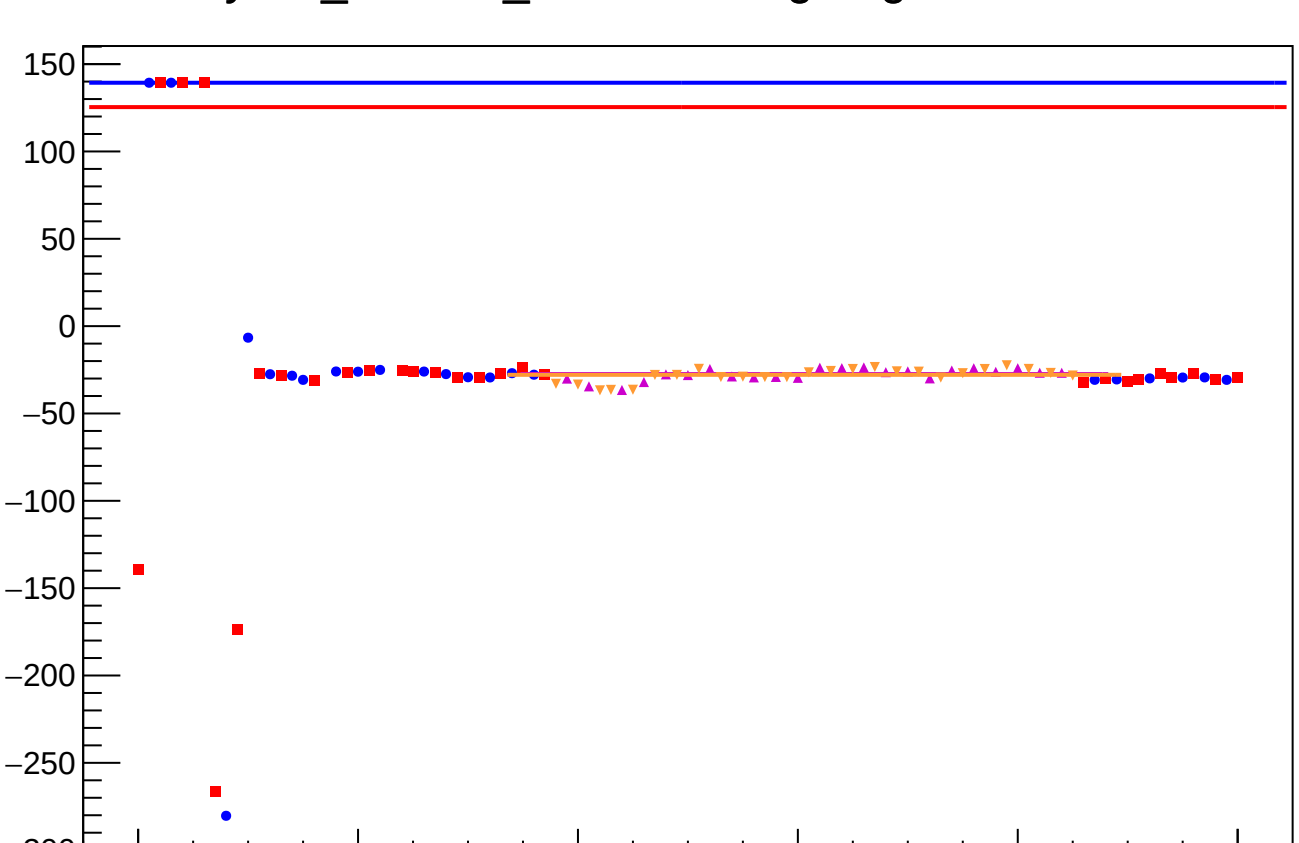
Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 874.719+/-0.130 χ^2/NDF: 3372687.4/49

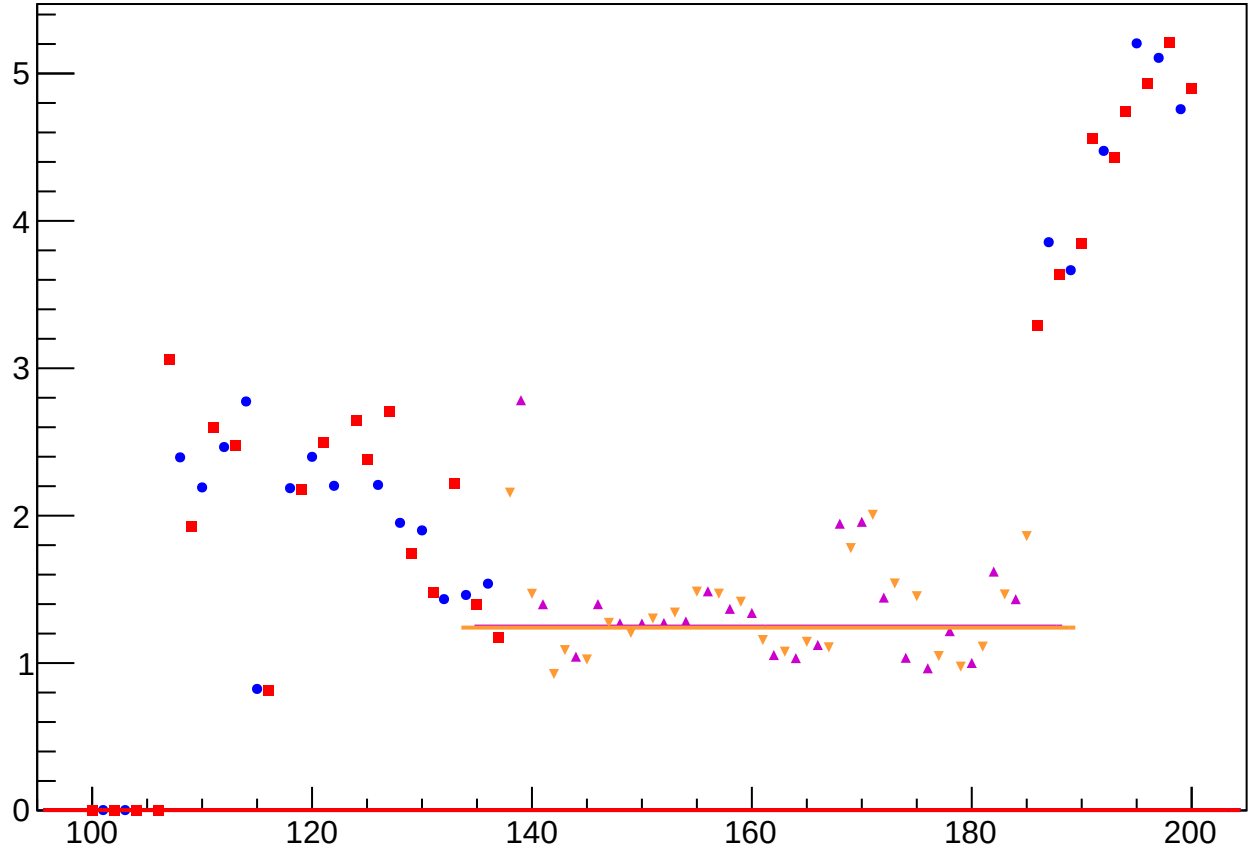
In: 936.981+/-0.127 χ^2/NDF:3820339.1/44

Out: 957.642+/-0.124 χ^2/NDF:3741700.5/52

All: 947.590+/-0.089 χ^2/NDF: 7575652.5/97


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 52803607466.3/21
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774180750882655.4/27
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
Left: -27.654+/-0.000 χ²/NDF: 305673778.0/47
Right: 131.818+/-0.000 χ²/NDF: 793018495135836
In: 139.328+/-0.000 χ²/NDF:307202912699.1/44
Out: 125.384+/-0.000 χ²/NDF:774411439356131.
All: 131.810+/-0.000 χ²/NDF: 79350090848

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 17950934.4/21

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

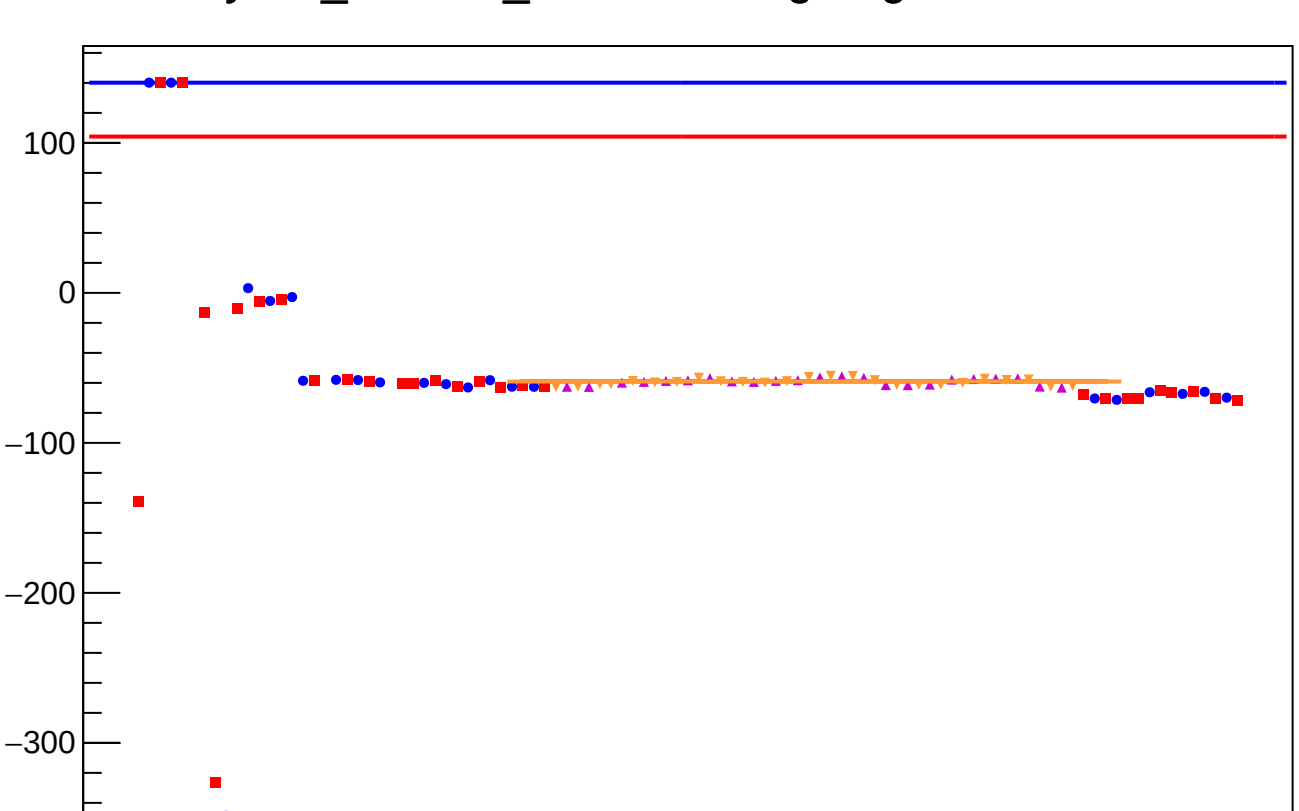
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 39734877.9/49

In: 0.003+/-0.000 χ^2/NDF:47716468.5/44

Out: 0.003+/-0.000 χ^2/NDF:53083852.5/52

All: 0.003+/-0.000 χ^2/NDF: 100800556.6/97



Right In: 140.140+/-0.000 χ^2/NDF: 320207108672.2/21

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

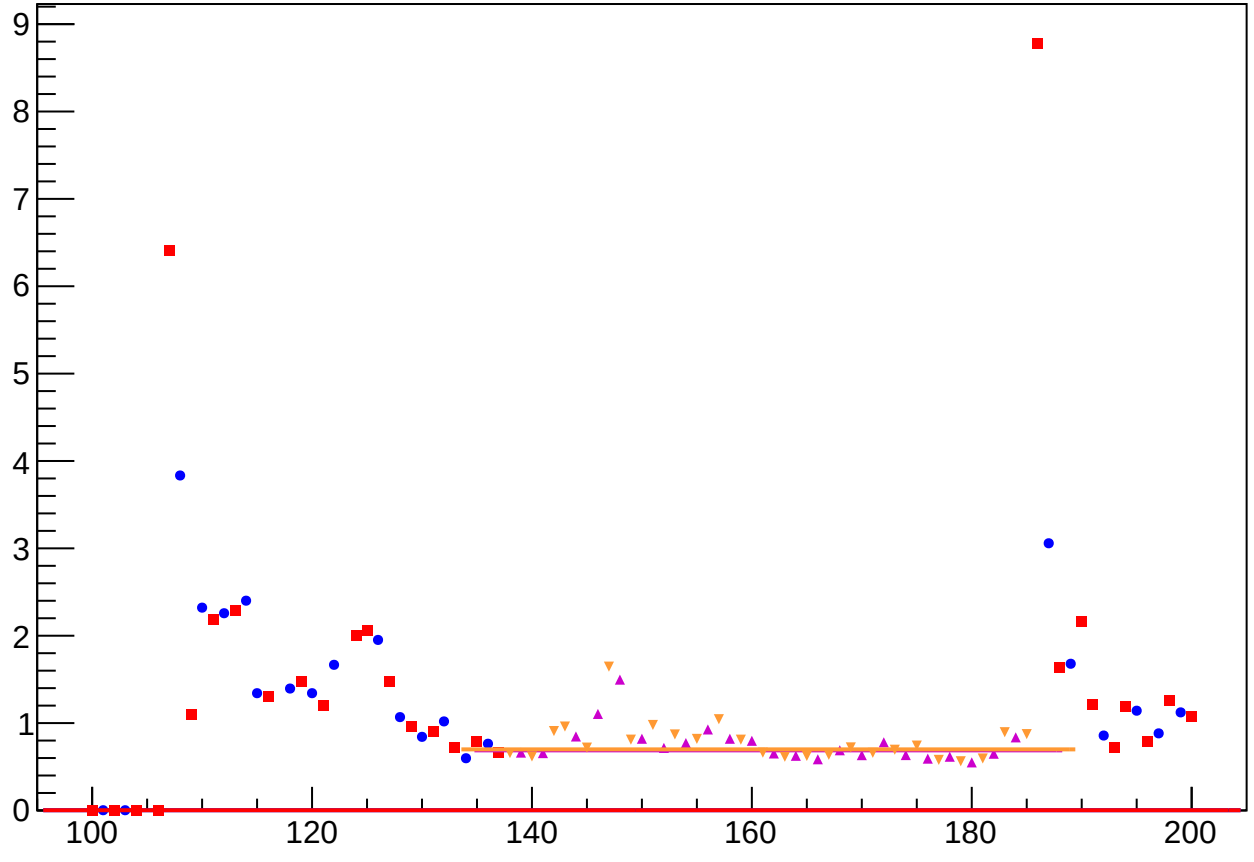
Right: 120.828+/-0.000 χ^2/NDF: 138116439400135

In: 140.104+/-0.000 χ^2/NDF:1595765535981.3/44

Out: 104.195+/-0.000 χ^2/NDF:125840611713216

All: 120.798+/-0.000 χ^2/NDF: 13832624972

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 17347937.3/21

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

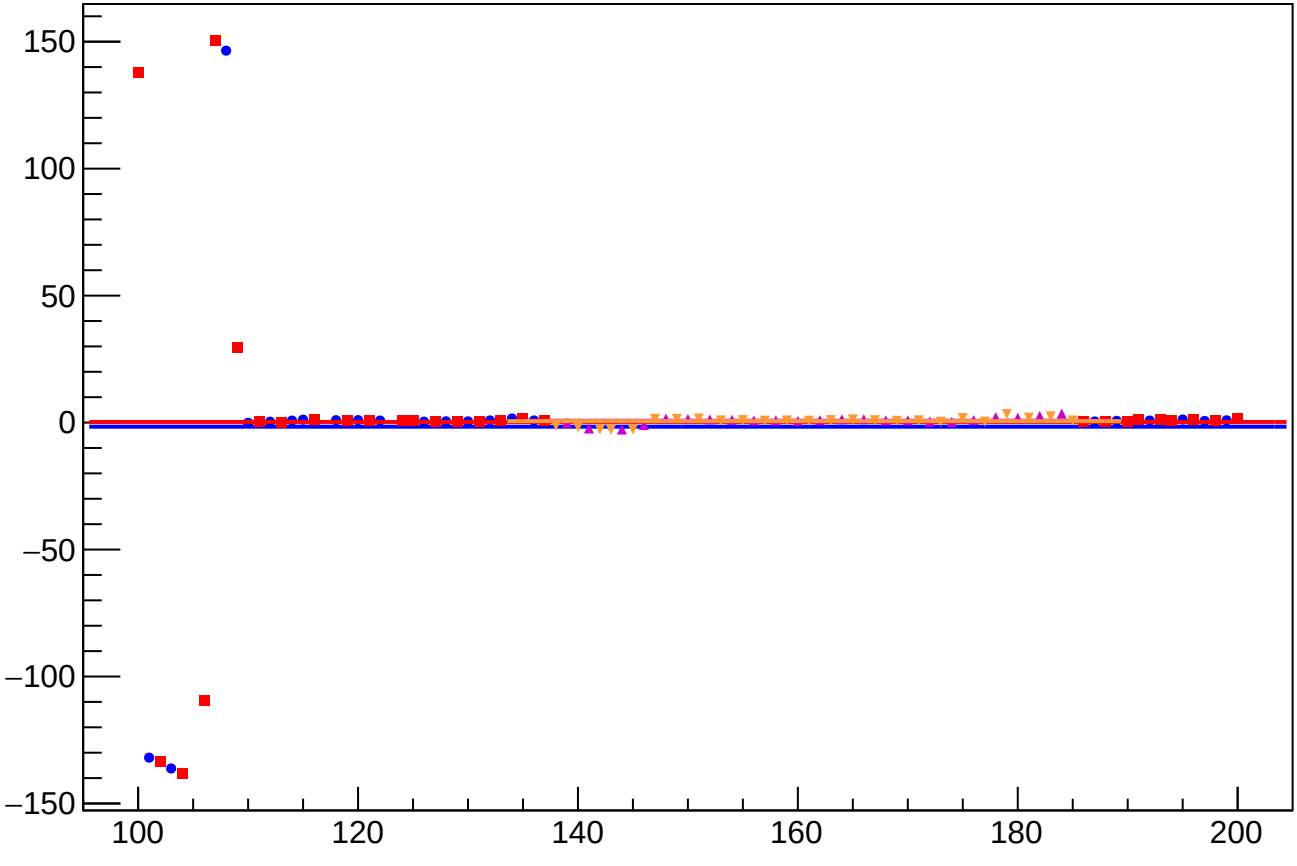
Right: 0.003+/-0.000 χ^2/NDF: 38130286.7/49

In: 0.003+/-0.000 χ^2/NDF:48653285.7/44

Out: 0.003+/-0.000 χ^2/NDF:53838389.5/52

All: 0.003+/-0.000 χ^2/NDF: 102492020.8/97

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.610+/-0.000 χ^2/NDF: 9896052138.4/21

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

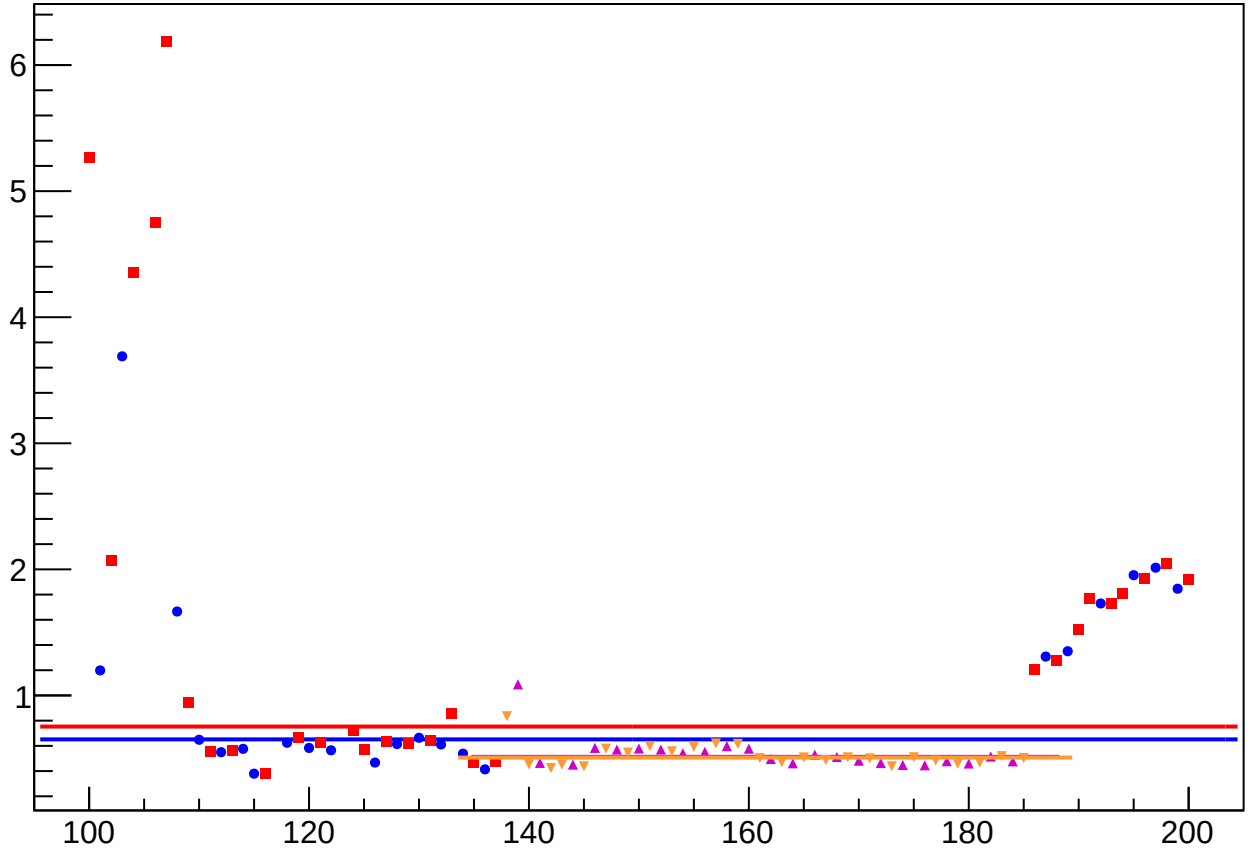
Right: -0.731+/-0.000 χ^2/NDF: 13537250511.6/49

In: 0.174+/-0.000 χ^2/NDF:10074402354.7/44

Out: 0.510+/-0.000 χ^2/NDF:3768069544.0/52

All: 0.345+/-0.000 χ^2/NDF: 13846687583.9/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.651+/-0.000 χ^2/NDF: 5215219.5/21

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

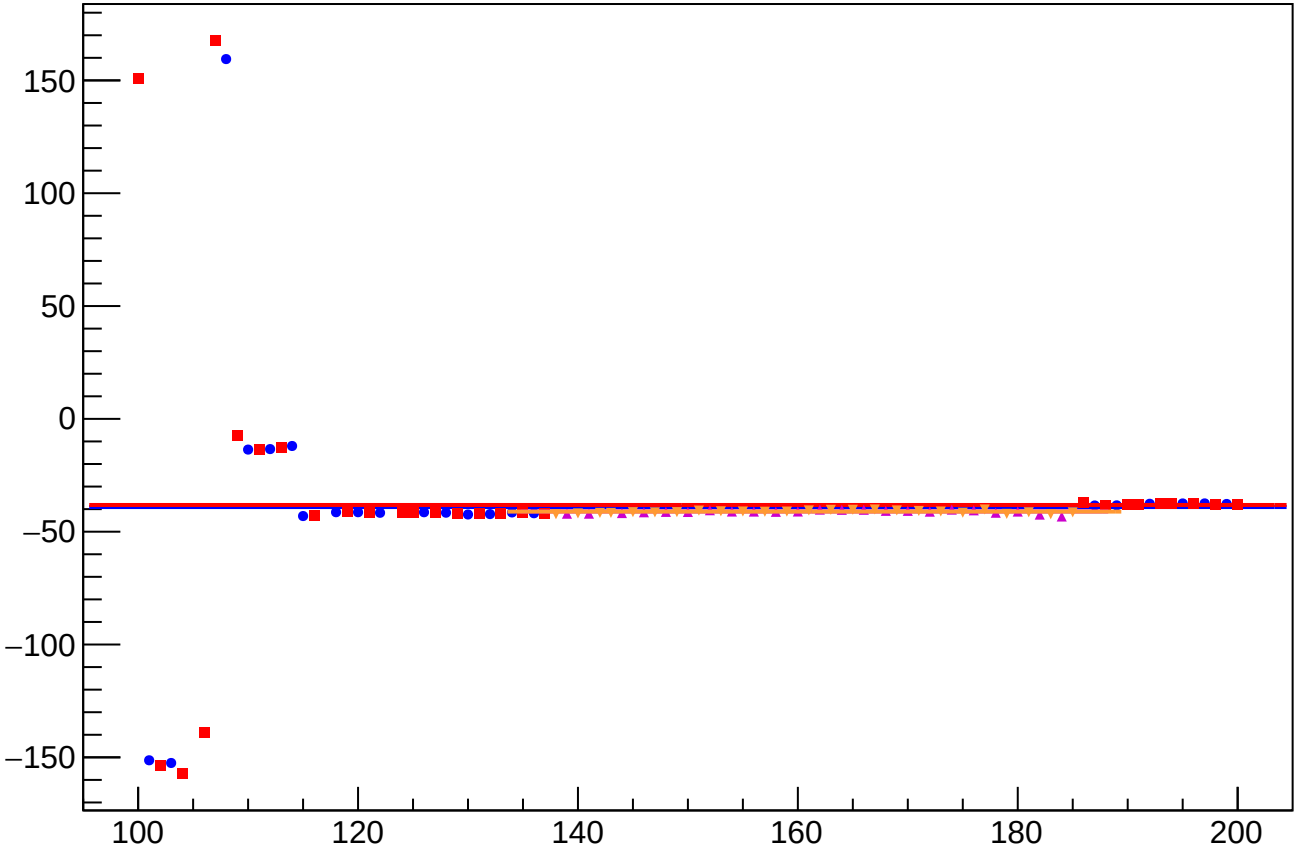
Right: 0.699+/-0.000 χ^2/NDF: 12161712.5/49

In: 0.546+/-0.000 χ^2/NDF:6481671.6/44

Out: 0.557+/-0.000 χ^2/NDF:8835545.9/52

All: 0.552+/-0.000 χ^2/NDF: 15327026.5/97

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -39.076+/-0.000 χ^2/NDF: 3569247189.5/21

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

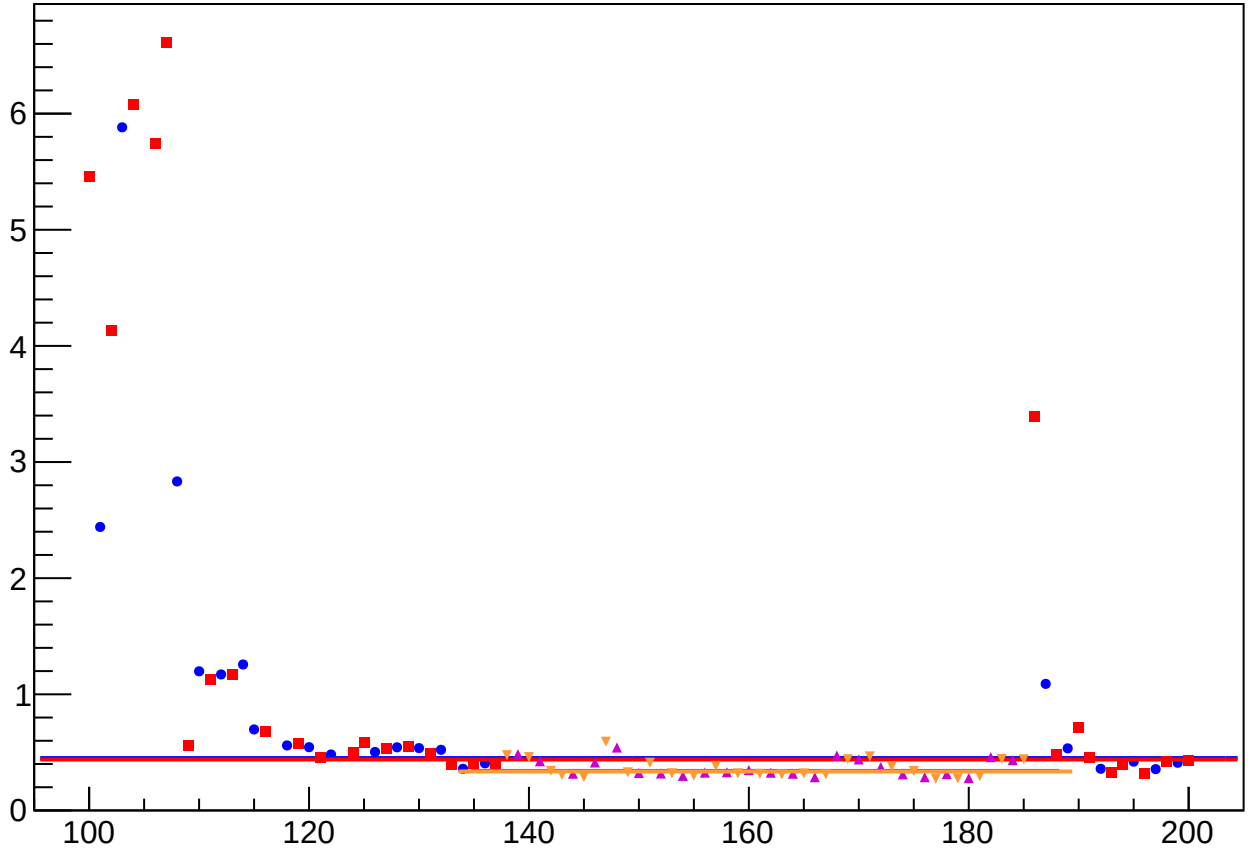
Right: -38.570+/-0.000 χ^2/NDF: 6096789399.2/49

In: -40.585+/-0.000 χ^2/NDF:3746718549.9/44

Out: -40.359+/-0.000 χ^2/NDF:2906578085.1/52

All: -40.466+/-0.000 χ^2/NDF: 6658320241.9/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.451+/-0.000 χ^2/NDF: 3533059.5/21

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

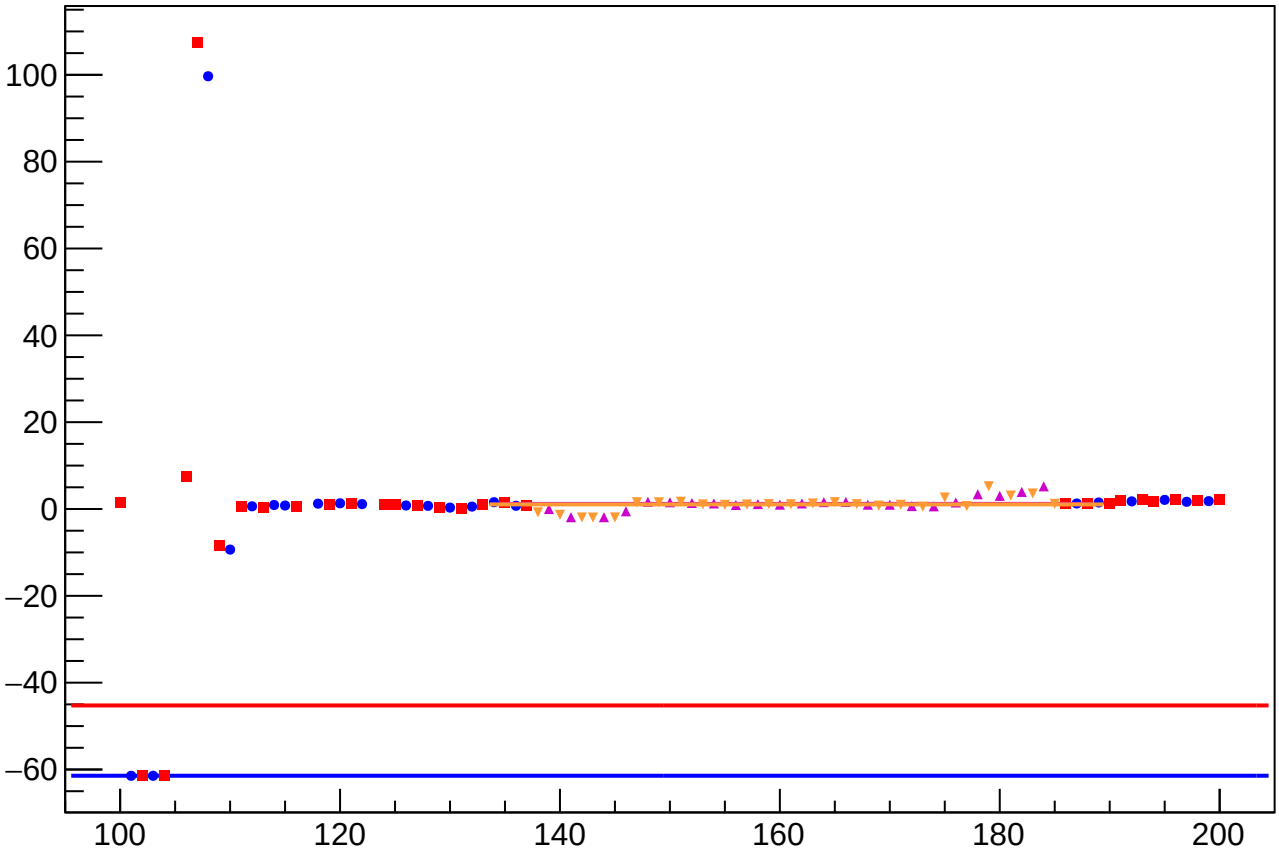
Right: 0.444+/-0.000 χ^2/NDF: 8146981.1/49

In: 0.365+/-0.000 χ^2/NDF:5407282.1/44

Out: 0.361+/-0.000 χ^2/NDF:6681415.5/52

All: 0.363+/-0.000 χ^2/NDF: 12091920.8/97

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 280733167298.2/21

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

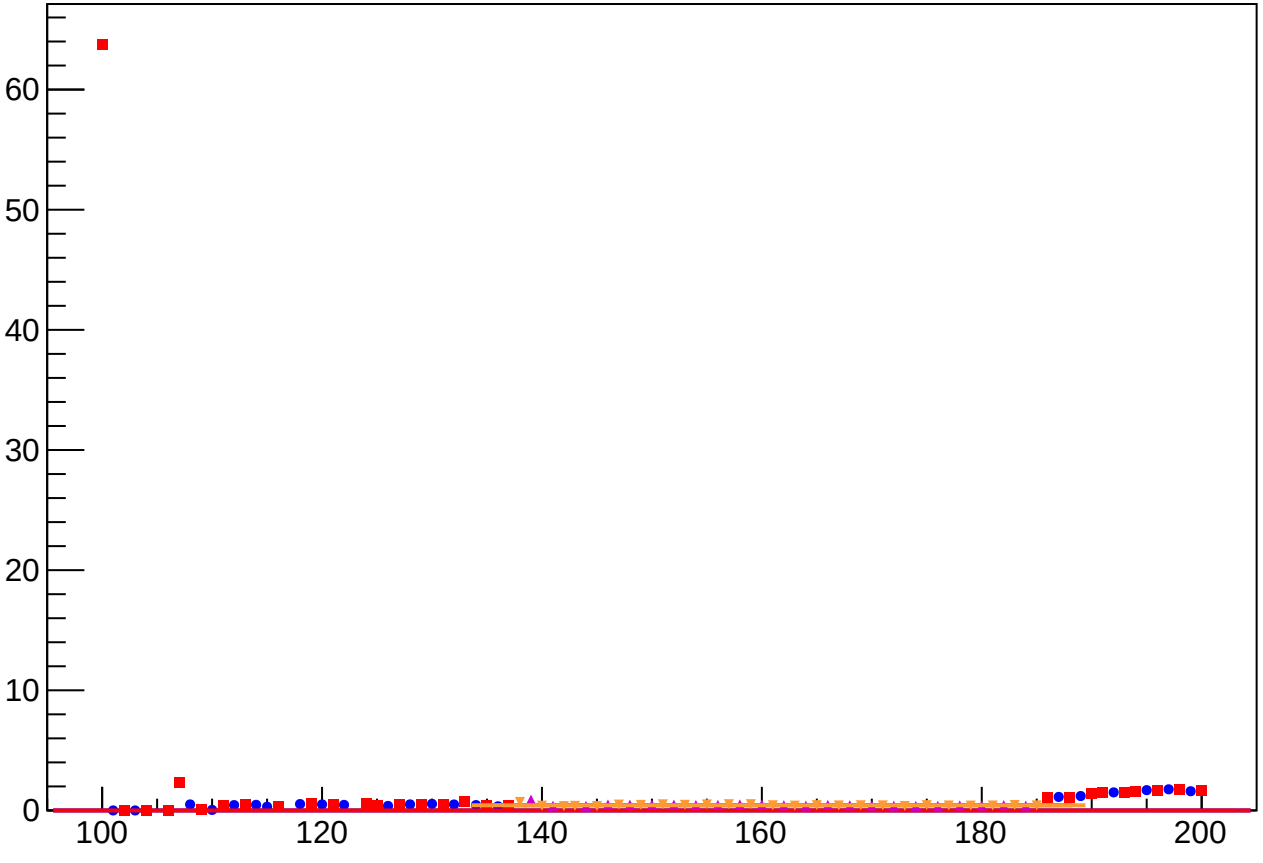
Right: -52.749+/-0.000 χ^2/NDF: 409135935514001

In: -61.422+/-0.000 χ^2/NDF:583597128086.7/44

Out: -45.235+/-0.000 χ^2/NDF:358058028226892.4

All: -52.738+/-0.000 χ^2/NDF: 409605346684

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 17512961.4/21

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

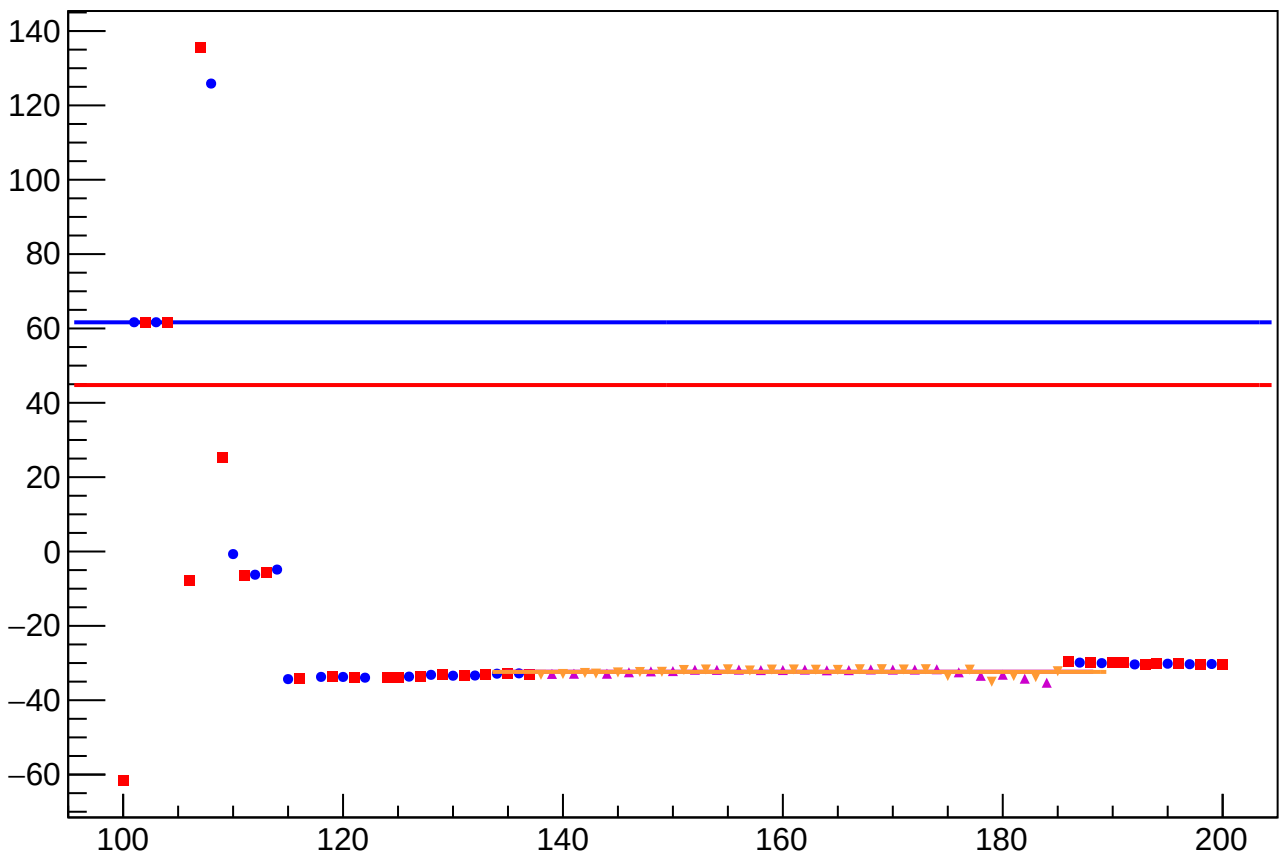
Right: 0.001+/-0.000 χ^2/NDF: 38908177.6/49

In: 0.002+/-0.000 χ^2/NDF:47654108.8/44

Out: 0.002+/-0.000 χ^2/NDF:53160887.3/52

All: 0.002+/-0.000 χ^2/NDF: 100815012.9/97

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.652+/-0.000 χ^2/NDF: 676126942584.6/21

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

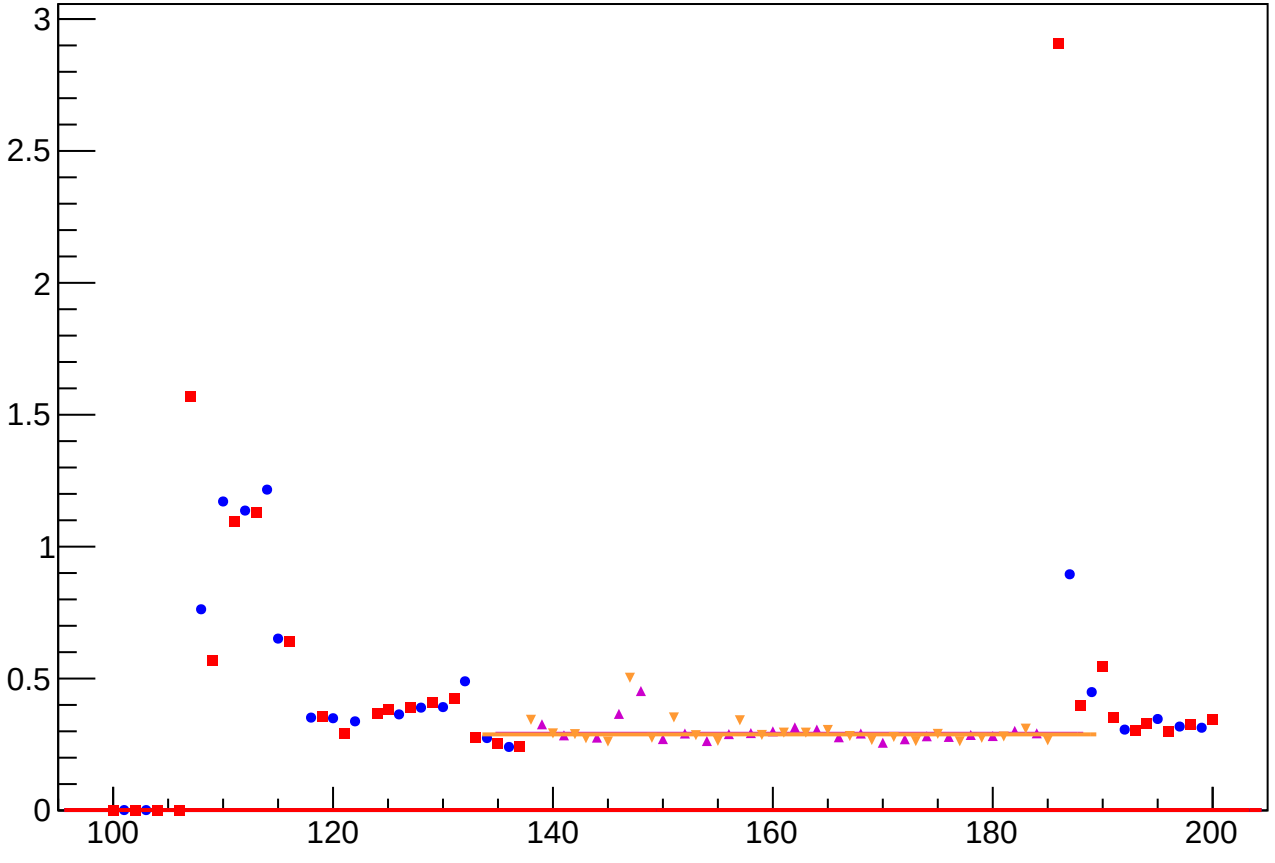
Right: 52.679+/-0.000 χ^2/NDF: 418153692768975.

In: 61.595+/-0.000 χ^2/NDF:2499622118728.0/44

Out: 44.731+/-0.000 χ^2/NDF:367687940697424.1

All: 52.628+/-0.000 χ^2/NDF: 421247691911

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 19160364.2/21

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

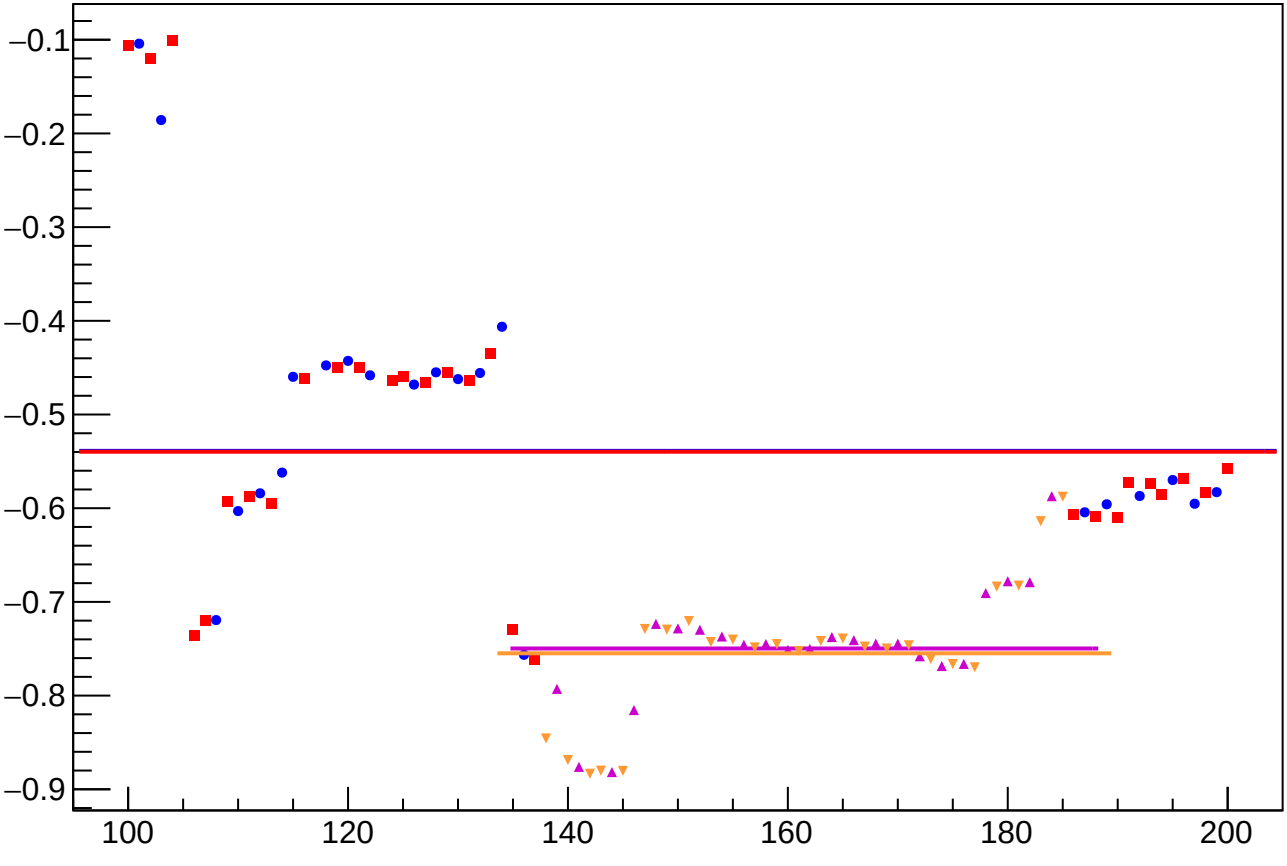
Right: 0.002+/-0.000 χ^2/NDF: 41534635.4/49

In: 0.002+/-0.000 χ^2/NDF:54062268.0/44

Out: 0.002+/-0.000 χ^2/NDF:59324547.9/52

All: 0.002+/-0.000 χ^2/NDF: 113386897.8/97

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.539+/-0.000 χ^2/NDF: 303287831.5/21

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

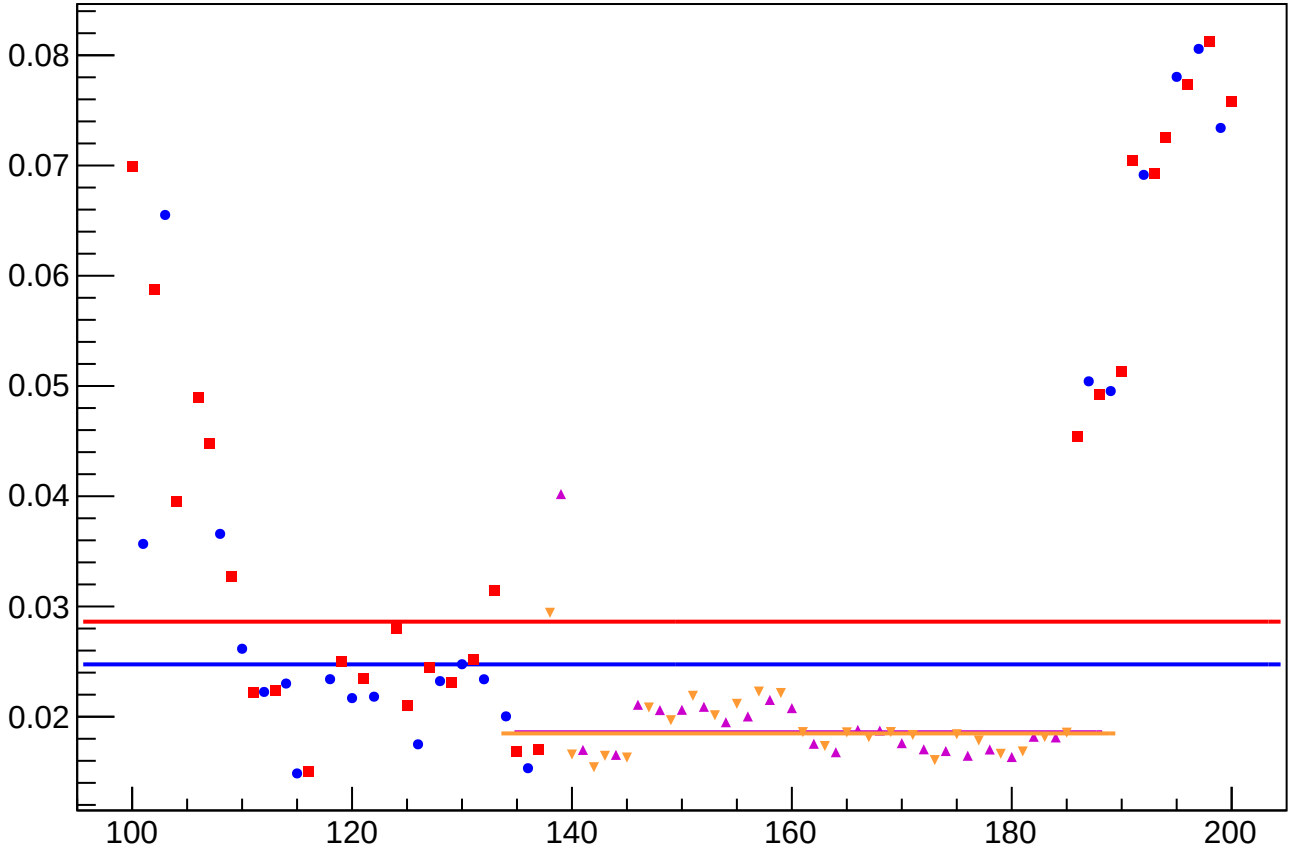
Right: -0.539+/-0.000 χ^2/NDF: 522167377.1/49

In: -0.702+/-0.000 χ^2/NDF:874425412.5/44

Out: -0.712+/-0.000 χ^2/NDF:855875623.6/52

All: -0.707+/-0.000 χ^2/NDF: 1733132893.4/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 4887494.2/21

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

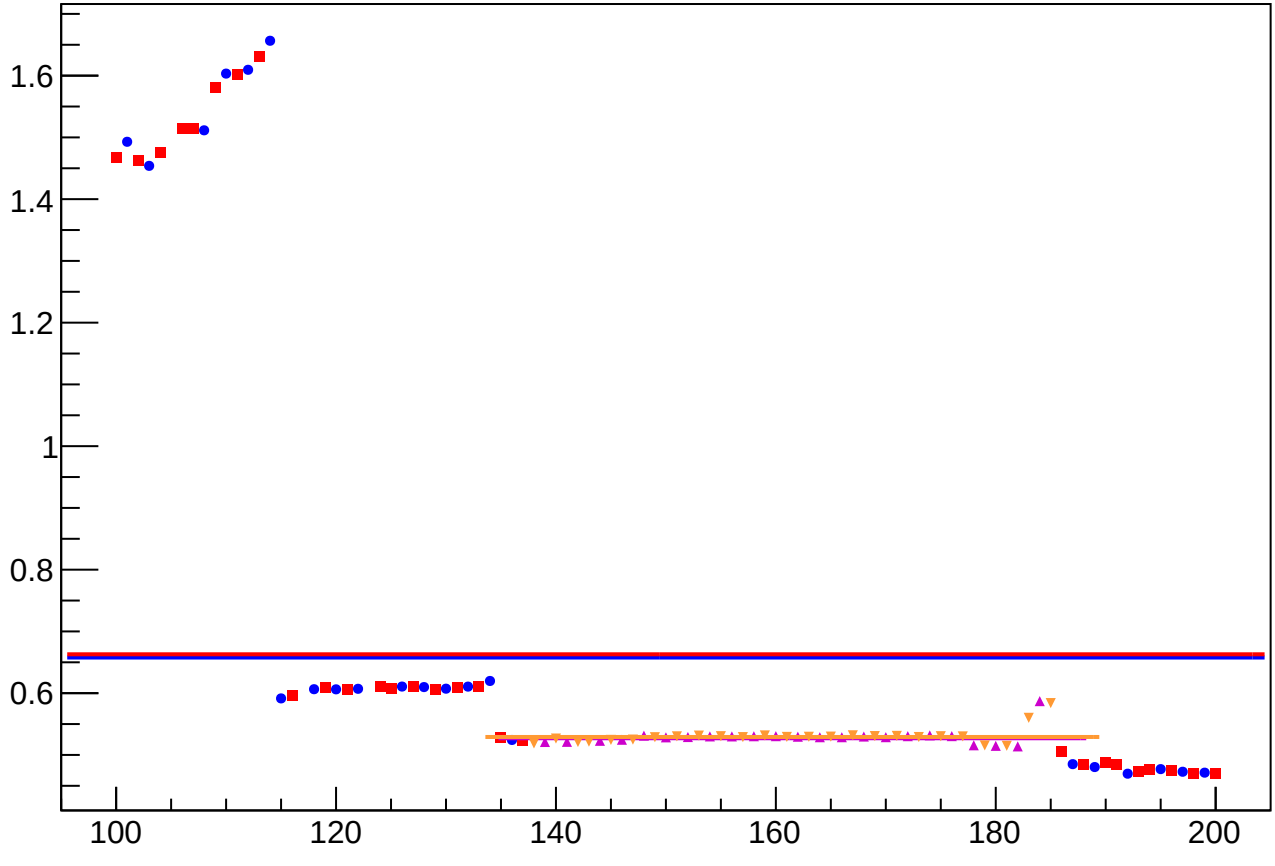
Right: 0.027+/-0.000 χ^2/NDF: 10763628.4/49

In: 0.020+/-0.000 χ^2/NDF:6359399.4/44

Out: 0.021+/-0.000 χ^2/NDF:8072431.4/52

All: 0.020+/-0.000 χ^2/NDF: 14447085.0/97

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.658+/-0.000 χ^2/NDF: 5214568196.3/21

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

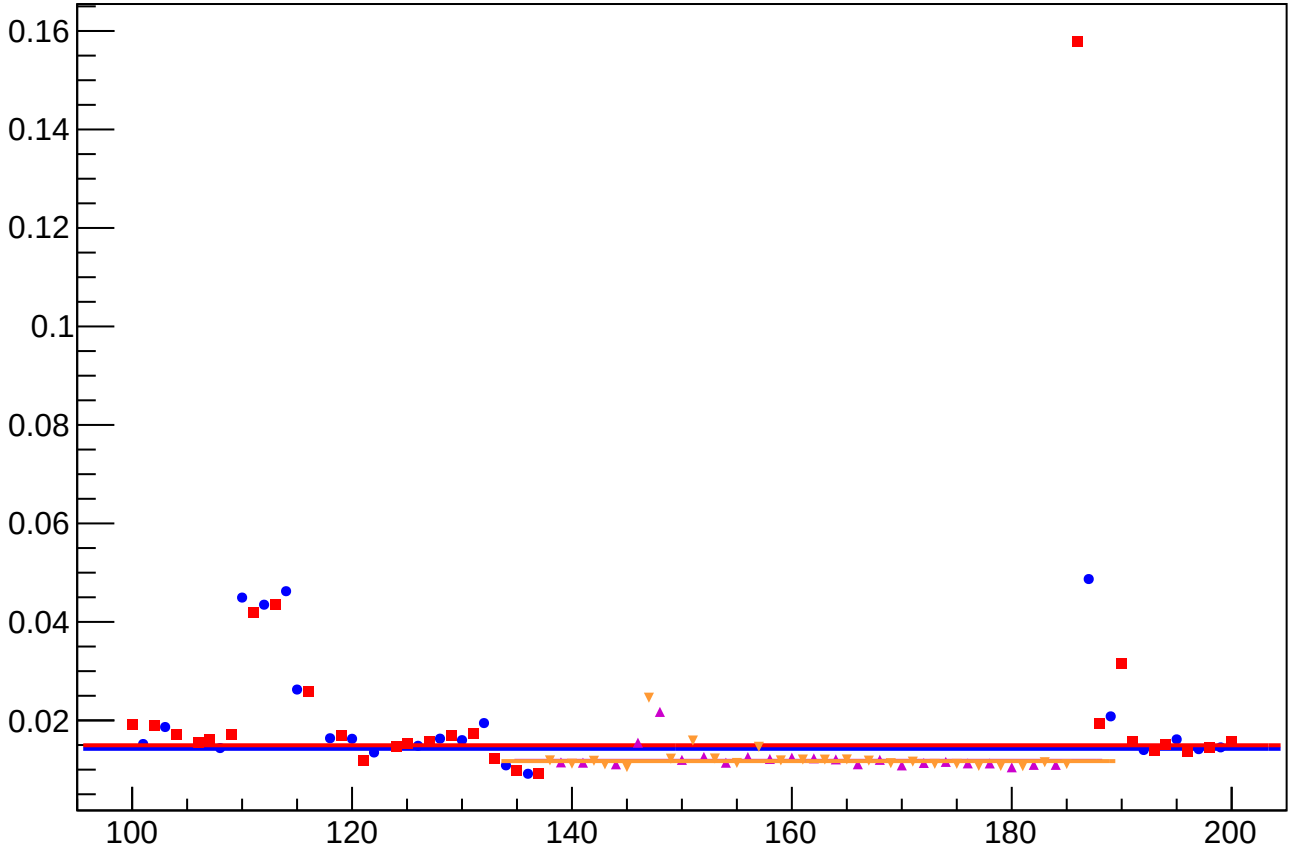
Right: 0.660+/-0.000 χ^2/NDF: 11439844125.5/49

In: 0.563+/-0.000 χ^2/NDF:5828895753.6/44

Out: 0.567+/-0.000 χ^2/NDF:6916936891.0/52

All: 0.565+/-0.000 χ^2/NDF: 12746767720.4/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1959227.9/21

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

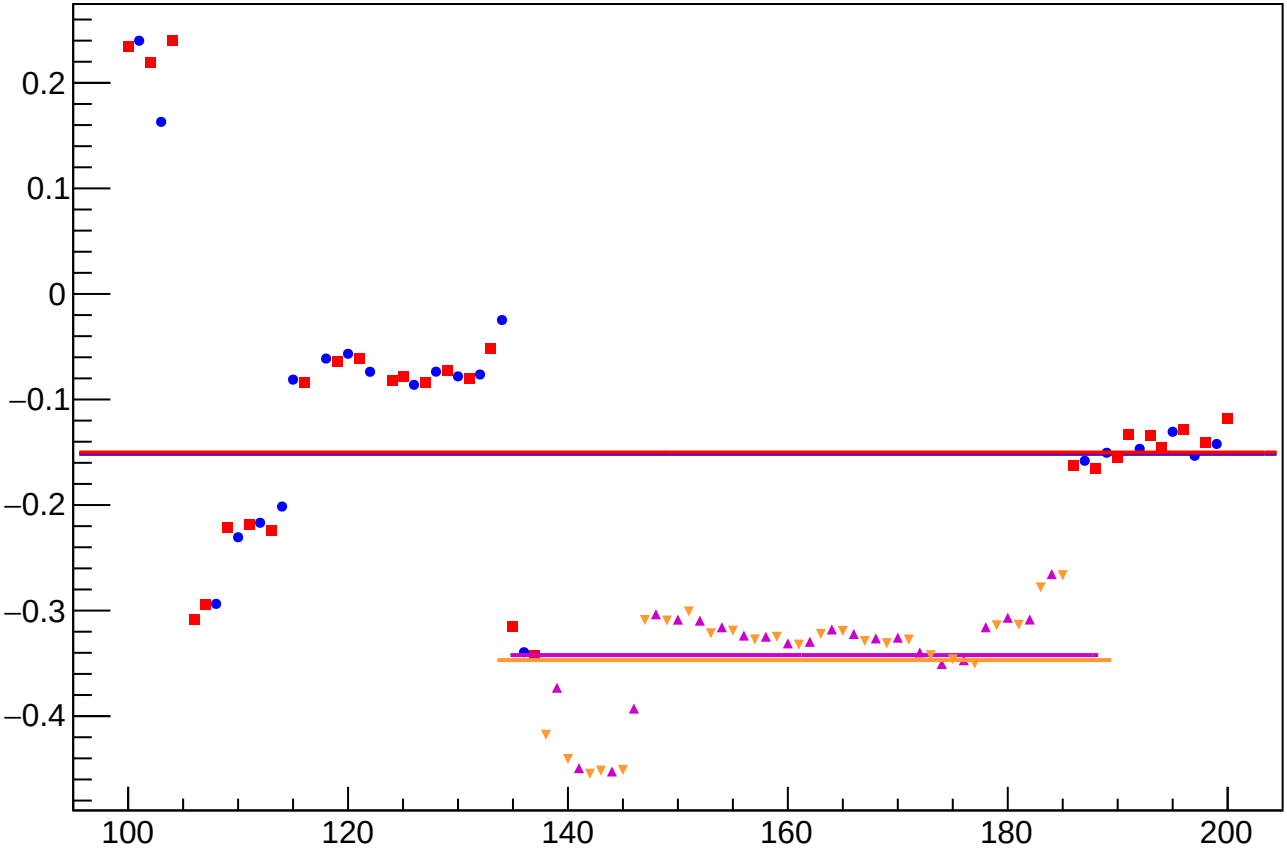
Right: 0.015+/-0.000 χ^2/NDF: 4367518.8/49

In: 0.012+/-0.000 χ^2/NDF:2897664.8/44

Out: 0.013+/-0.000 χ^2/NDF:3862034.8/52

All: 0.013+/-0.000 χ^2/NDF: 6764688.7/97

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276881882.4/21

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

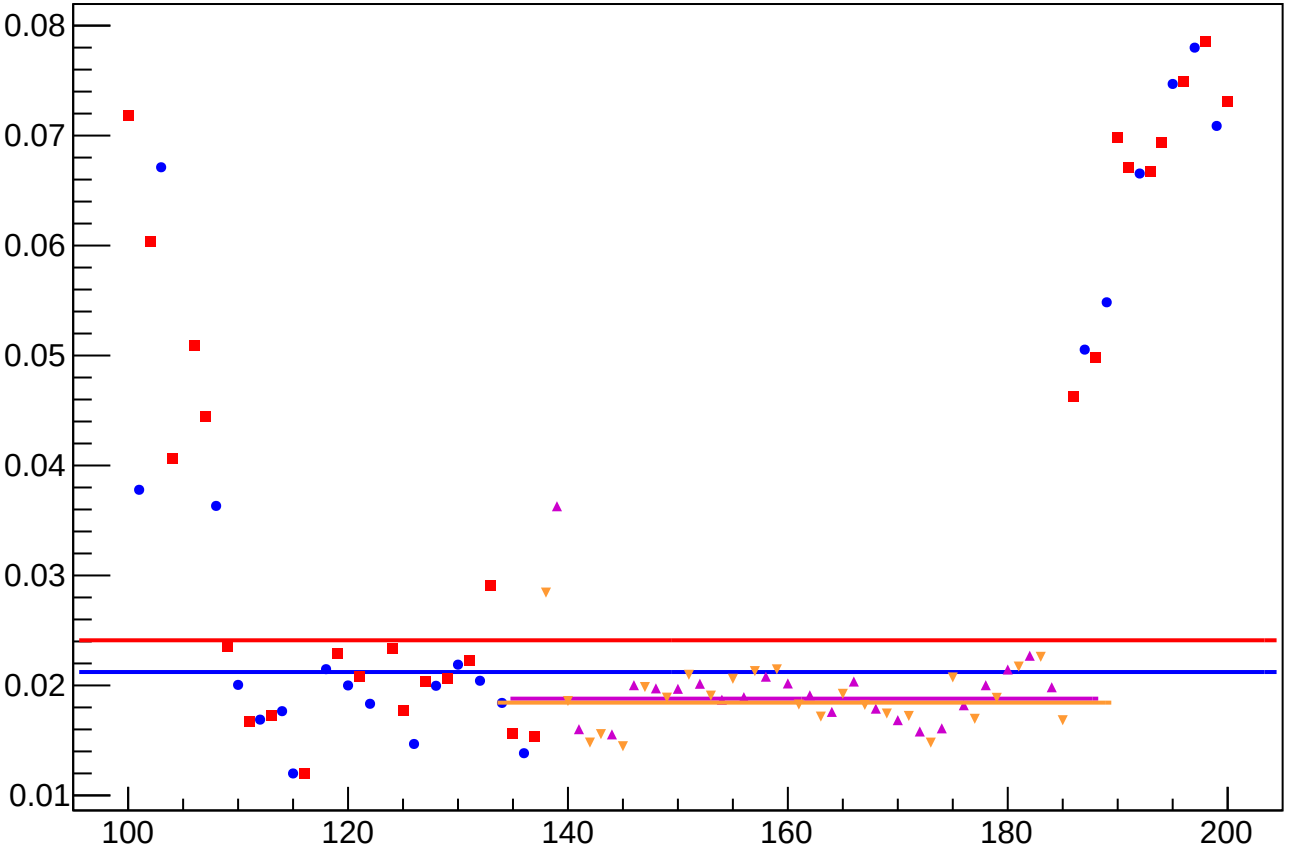
Right: -0.151+/-0.000 χ^2/NDF: 476728699.0/49

In: -0.289+/-0.000 χ^2/NDF:794053028.5/44

Out: -0.299+/-0.000 χ^2/NDF:768636793.3/52

All: -0.294+/-0.000 χ^2/NDF: 1565367827.0/9

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 5590995.3/21

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

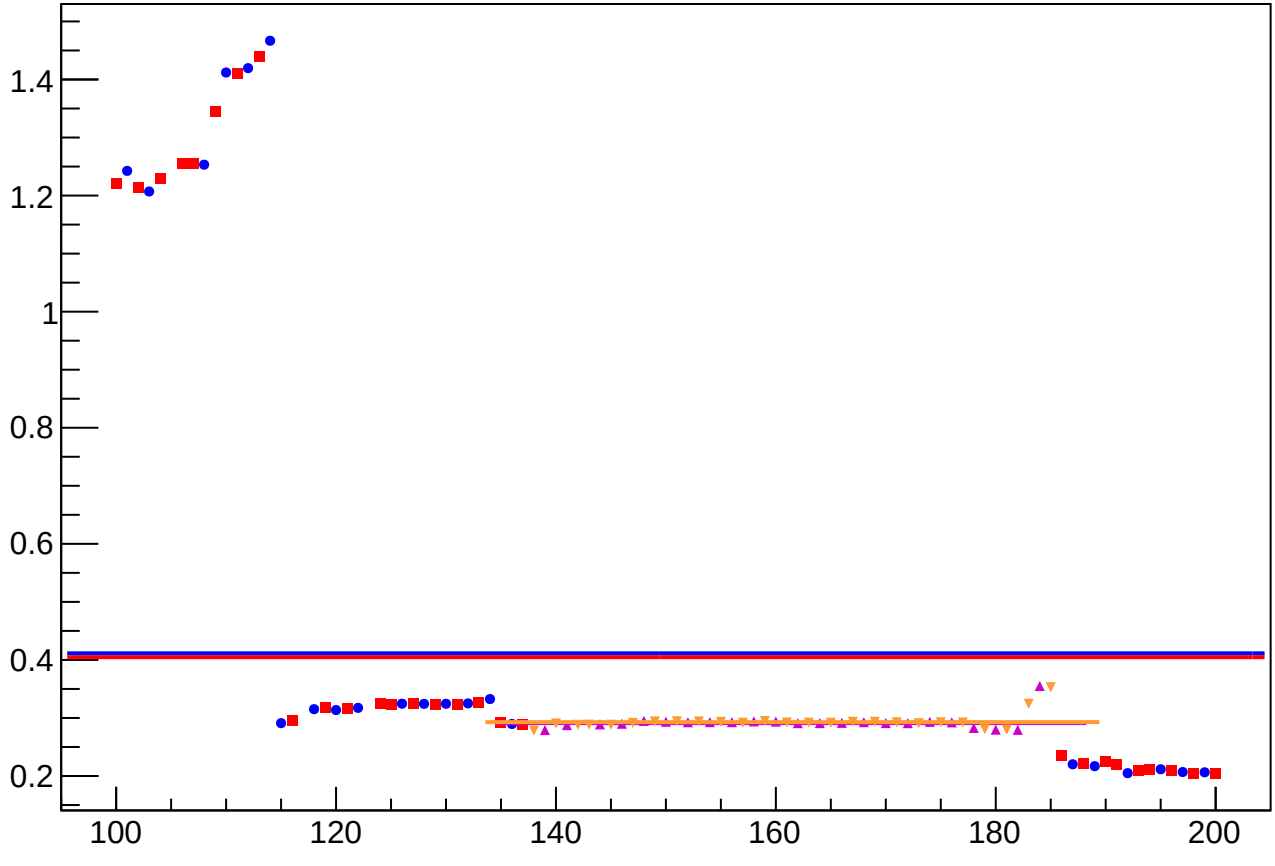
Right: 0.023+/-0.000 χ^2/NDF: 12604083.4/49

In: 0.019+/-0.000 χ^2/NDF:6447943.7/44

Out: 0.020+/-0.000 χ^2/NDF:8258273.9/52

All: 0.020+/-0.000 χ^2/NDF: 14713871.9/97

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.411+/-0.000 χ^2/NDF: 7713025919.1/21

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

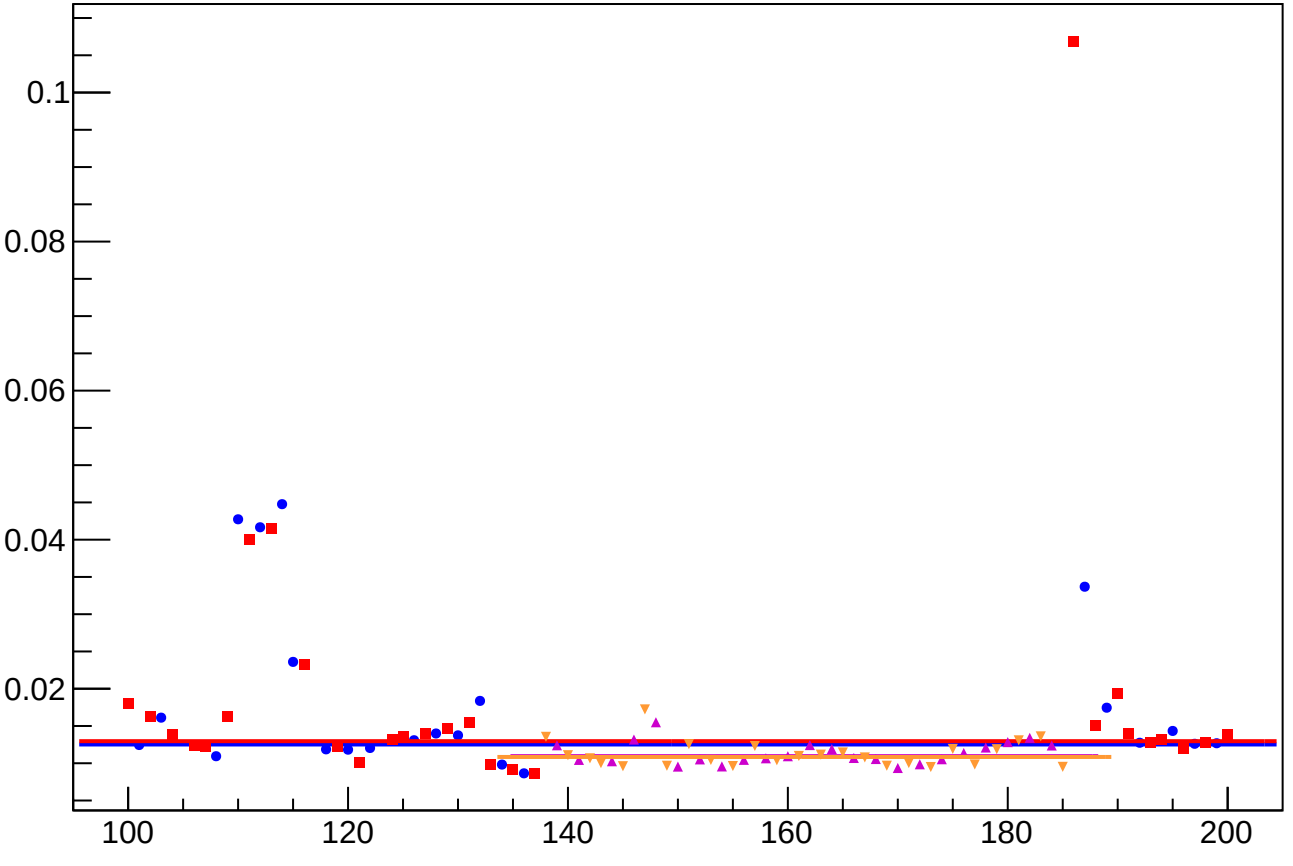
Right: 0.408+/-0.000 χ^2/NDF: 16527873223.2/49

In: 0.328+/-0.000 χ^2/NDF:8360278761.2/44

Out: 0.327+/-0.000 χ^2/NDF:9433229091.8/52

All: 0.328+/-0.000 χ^2/NDF: 17793523397.9/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1763088.0/21

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

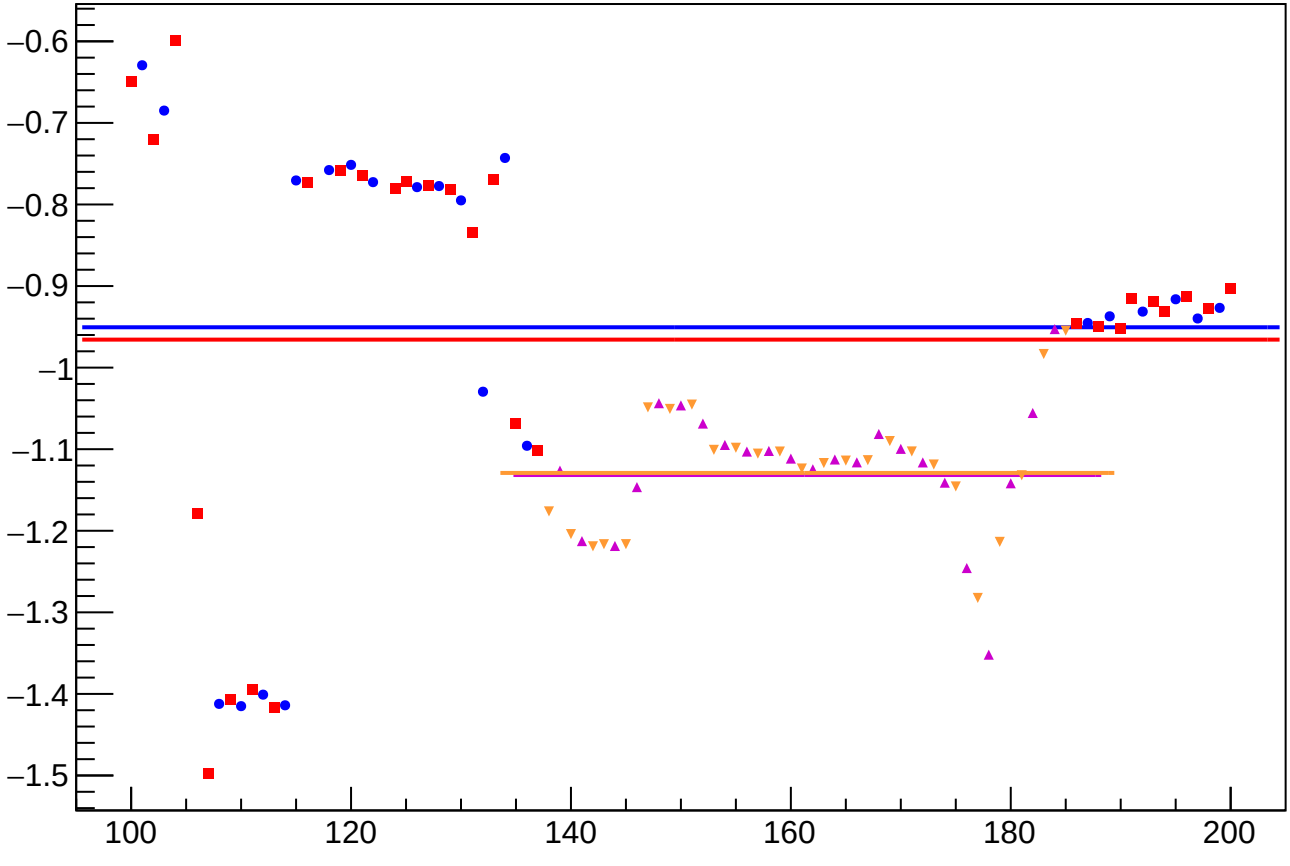
Right: 0.013+/-0.000 χ^2/NDF: 3941160.8/49

In: 0.011+/-0.000 χ^2/NDF:2490339.6/44

Out: 0.011+/-0.000 χ^2/NDF:3251532.2/52

All: 0.011+/-0.000 χ^2/NDF: 5742852.8/97

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 699896318.0/21

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

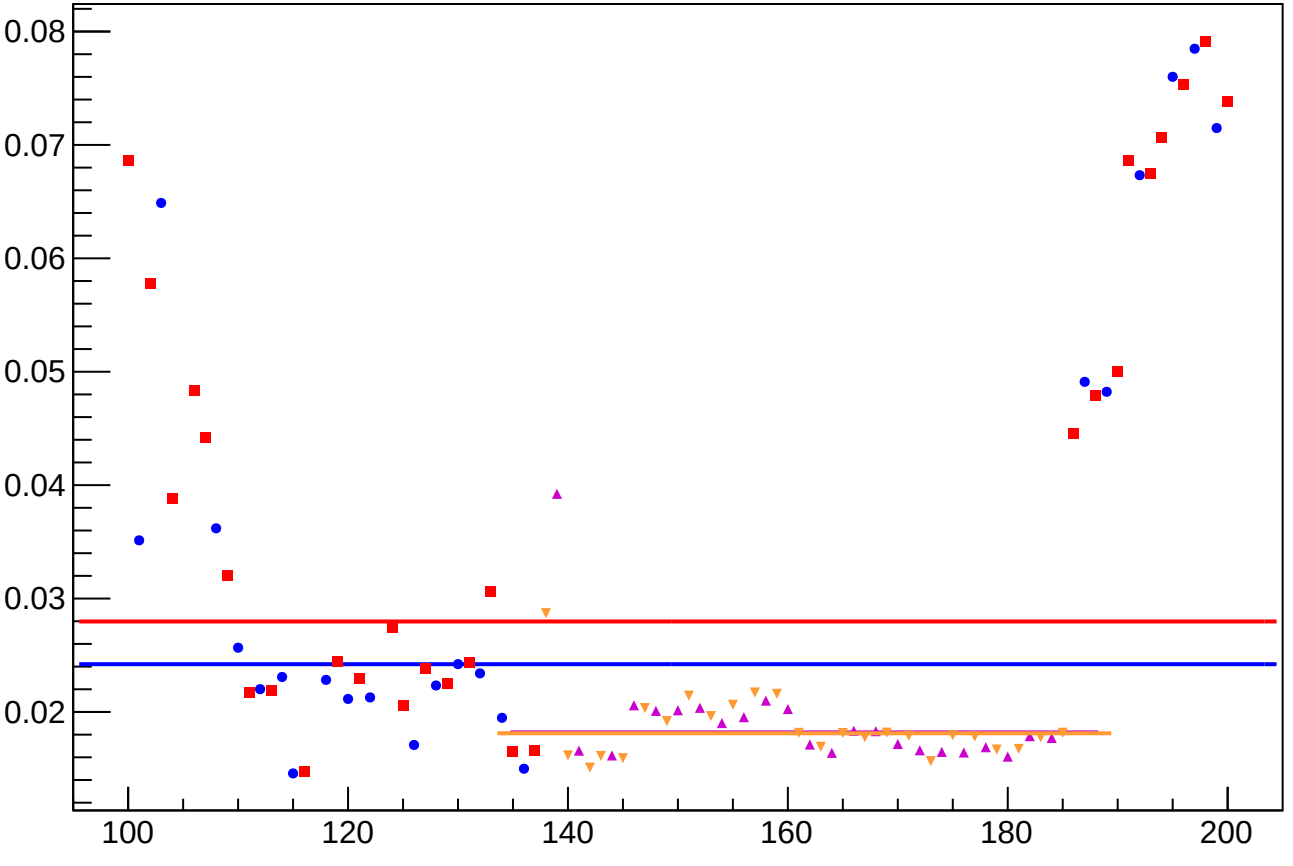
Right: -0.958+/-0.000 χ^2/NDF: 1418211002.4/49

In: -1.090+/-0.000 χ^2/NDF:1291503249.7/44

Out: -1.096+/-0.000 χ^2/NDF:1210735134.9/52

All: -1.093+/-0.000 χ^2/NDF: 2503226913.8/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 4884102.7/21

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

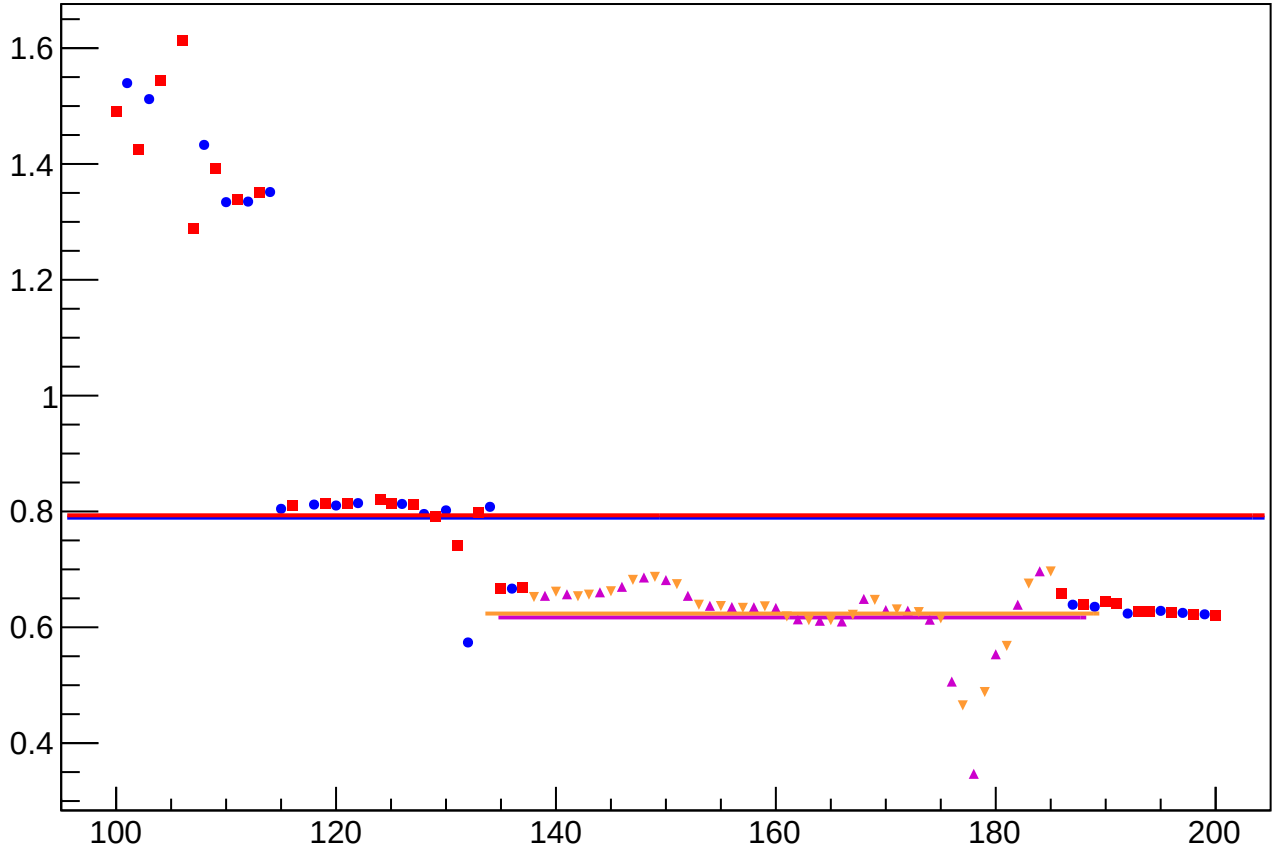
Right: 0.026+/-0.000 χ^2/NDF: 10744905.6/49

In: 0.020+/-0.000 χ^2/NDF:6338432.8/44

Out: 0.020+/-0.000 χ^2/NDF:8018455.7/52

All: 0.020+/-0.000 χ^2/NDF: 14373544.4/97

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF: 3520103969.1/21

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

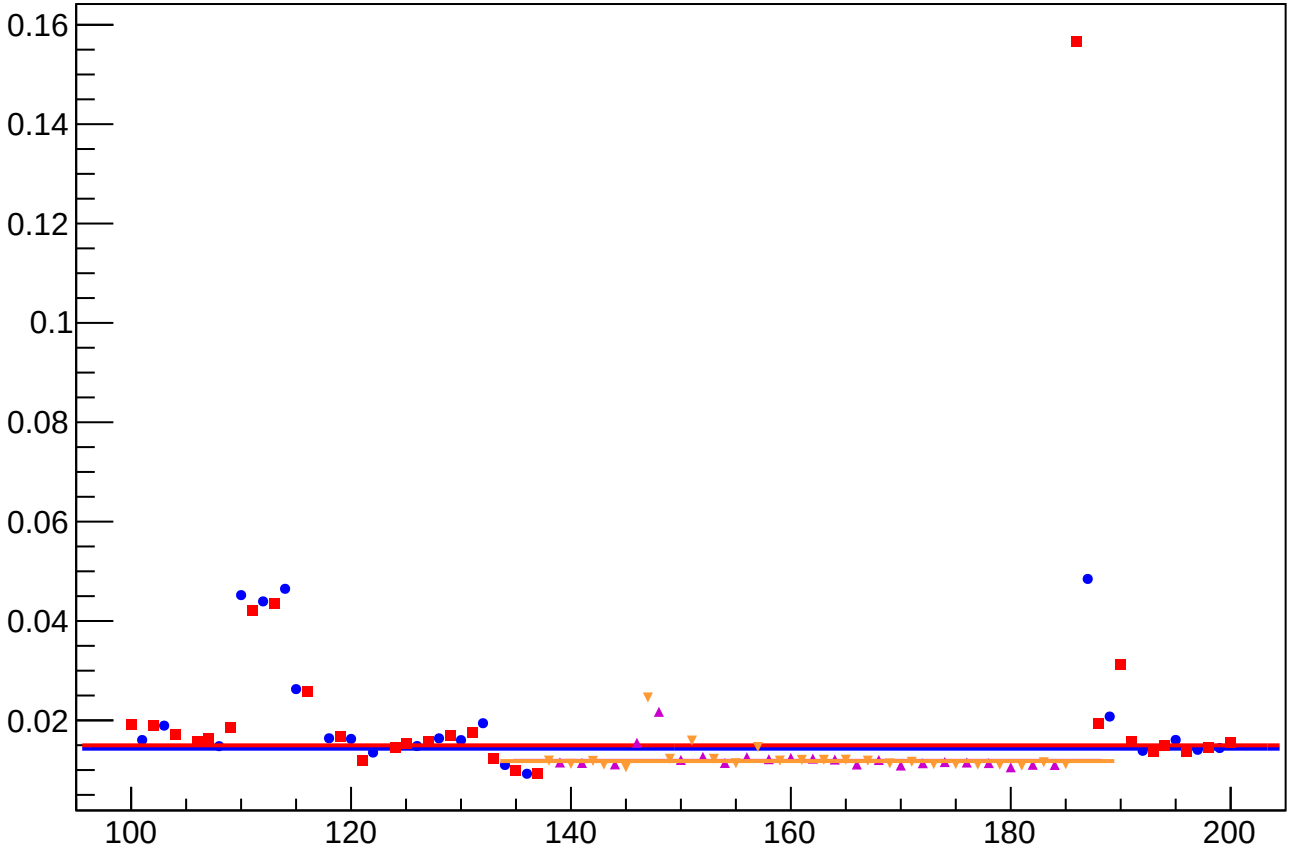
Right: 0.791+/-0.000 χ^2/NDF: 7442793183.7/49

In: 0.665+/-0.000 χ^2/NDF:5198244779.0/44

Out: 0.672+/-0.000 χ^2/NDF:5399487106.4/52

All: 0.668+/-0.000 χ^2/NDF: 10601685051.7/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1944505.1/21

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

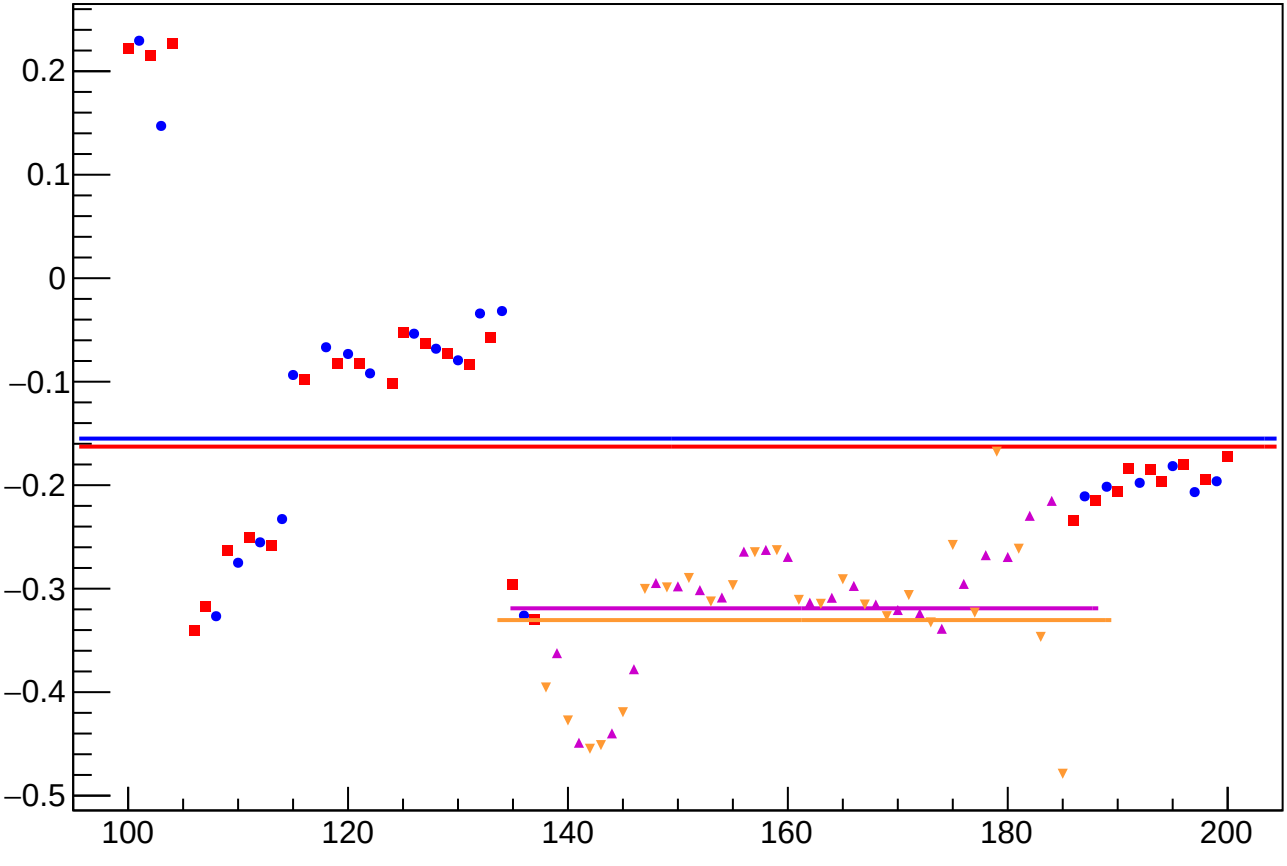
Right: 0.015+/-0.000 χ^2/NDF: 4353168.1/49

In: 0.013+/-0.000 χ^2/NDF:2873121.2/44

Out: 0.013+/-0.000 χ^2/NDF:3809451.9/52

All: 0.013+/-0.000 χ^2/NDF: 6687850.5/97

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.155+/-0.000 χ^2/NDF: 276056935.8/21

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

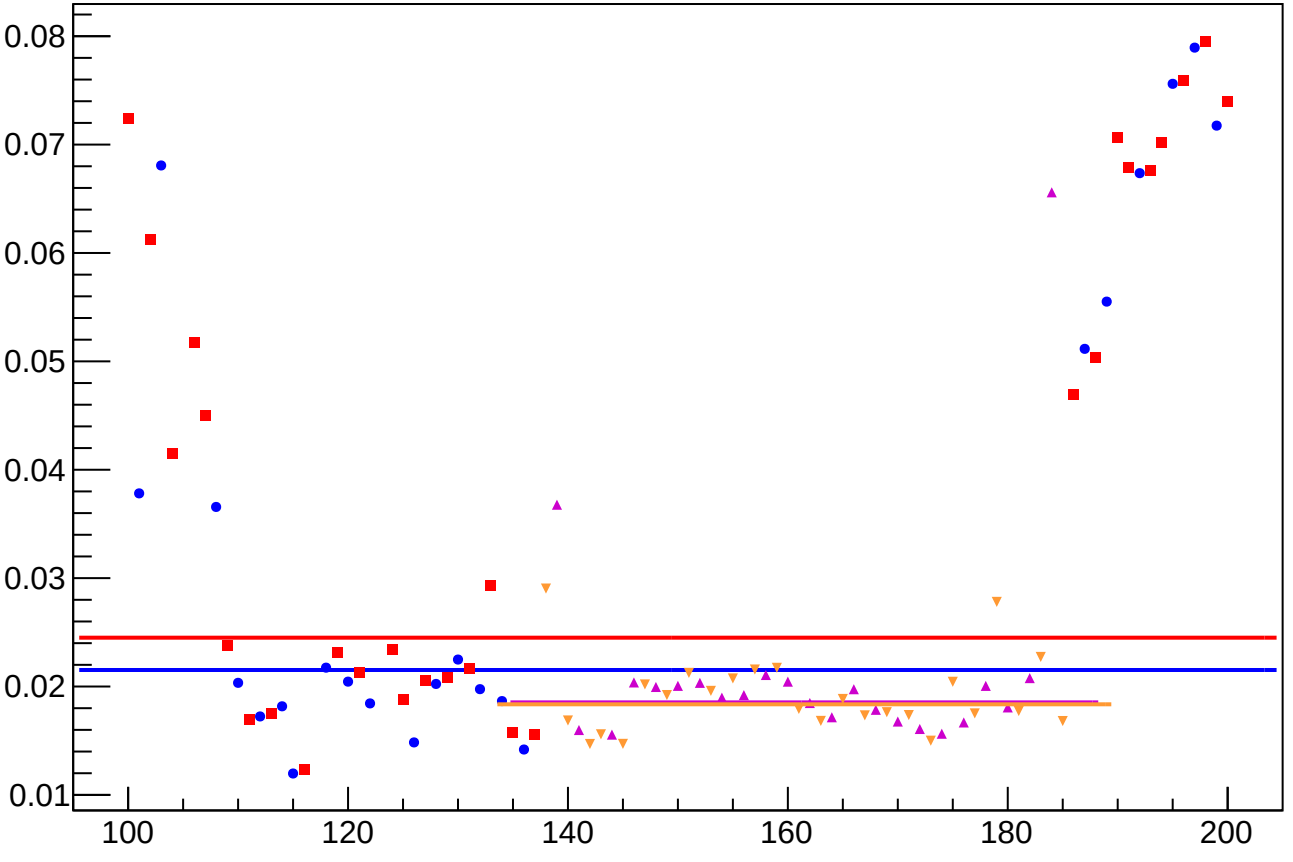
Right: -0.159+/-0.000 χ^2/NDF: 474843389.0/49

In: -0.274+/-0.000 χ^2/NDF:717458697.3/44

Out: -0.290+/-0.000 χ^2/NDF:693480758.9/52

All: -0.282+/-0.000 χ^2/NDF: 1417854418.7/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5560740.9/21

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

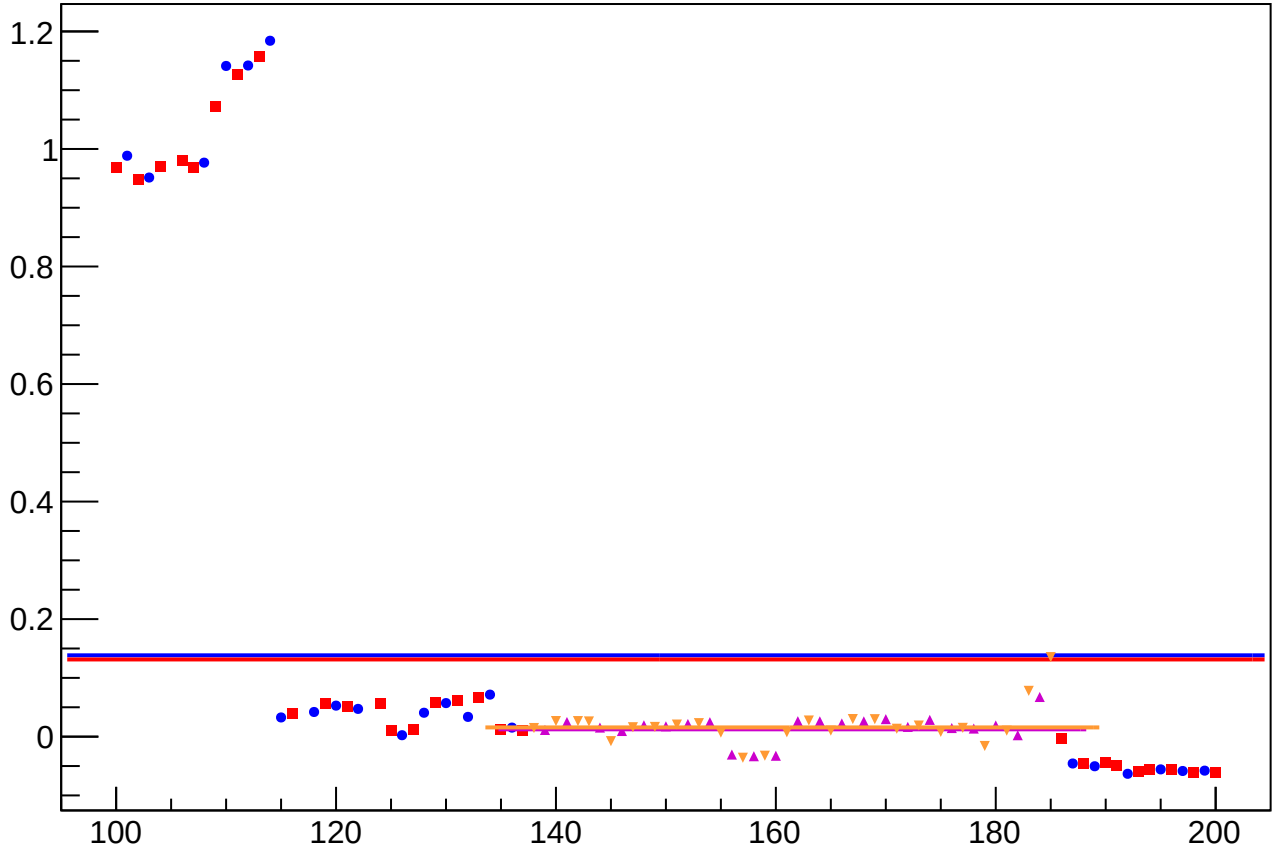
Right: 0.023+/-0.000 χ^2/NDF: 12538792.6/49

In: 0.019+/-0.000 χ^2/NDF:6700801.2/44

Out: 0.020+/-0.000 χ^2/NDF:8420016.1/52

All: 0.020+/-0.000 χ^2/NDF: 15135920.4/97

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.138+/-0.000 χ^2/NDF: 7822155201.9/21

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

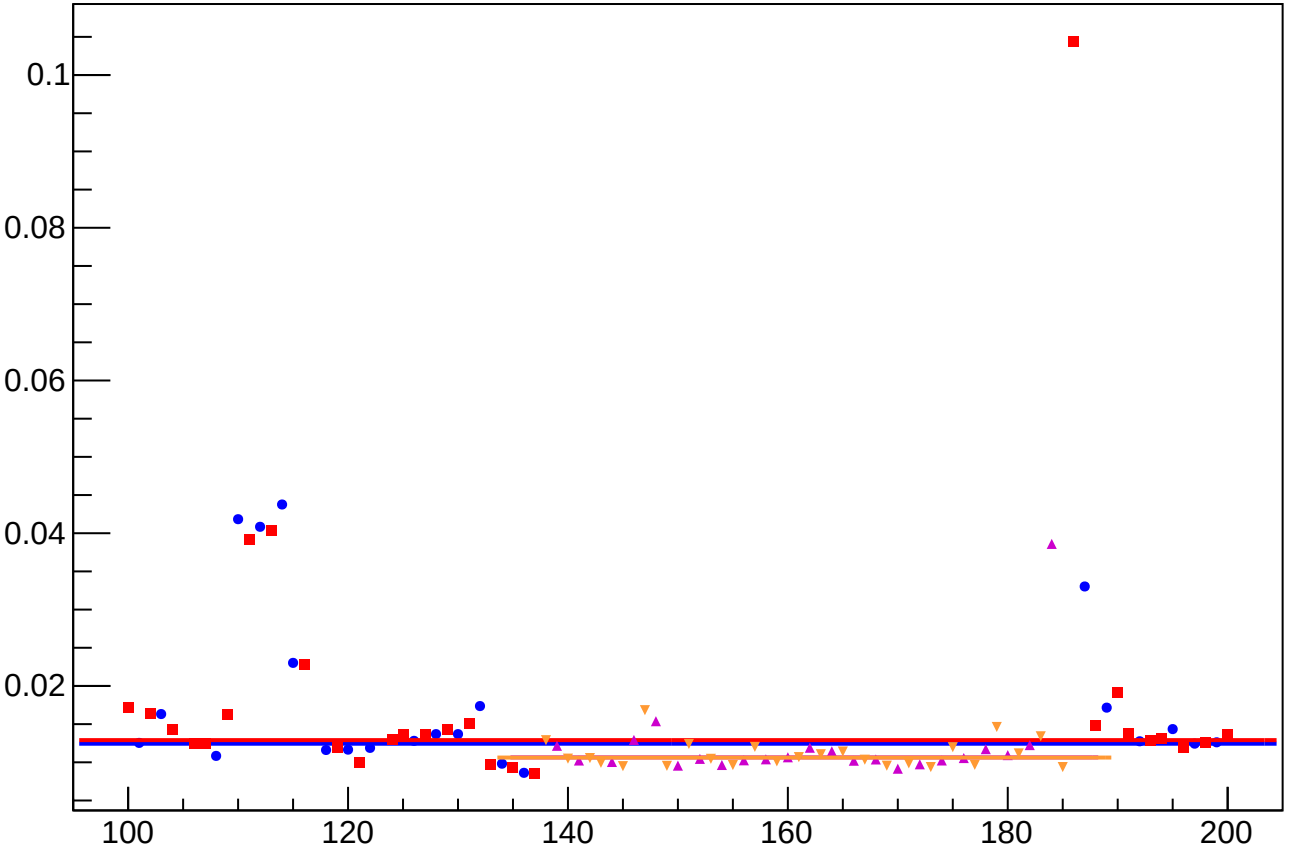
Right: 0.135+/-0.000 χ^2/NDF: 16553555356.0/49

In: 0.050+/-0.000 χ^2/NDF:8594857815.9/44

Out: 0.051+/-0.000 χ^2/NDF:9485699165.4/52

All: 0.051+/-0.000 χ^2/NDF: 18080690239.8/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1728736.9/21

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

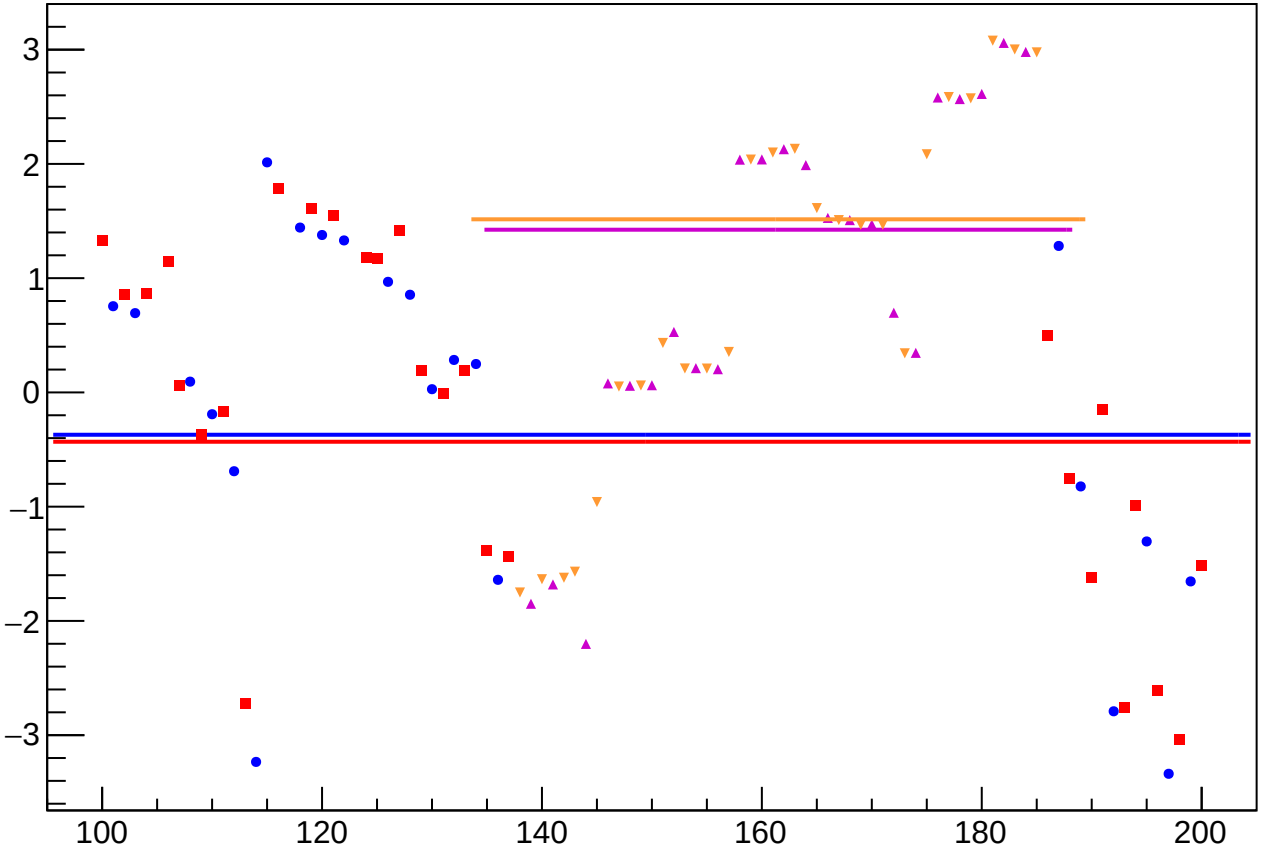
Right: 0.013+/-0.000 χ^2/NDF: 3852969.1/49

In: 0.011+/-0.000 χ^2/NDF:2590143.8/44

Out: 0.011+/-0.000 χ^2/NDF:3239463.8/52

All: 0.011+/-0.000 χ^2/NDF: 5834330.7/97

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.371+/-0.000 χ^2/NDF: 5997349681.6/21

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

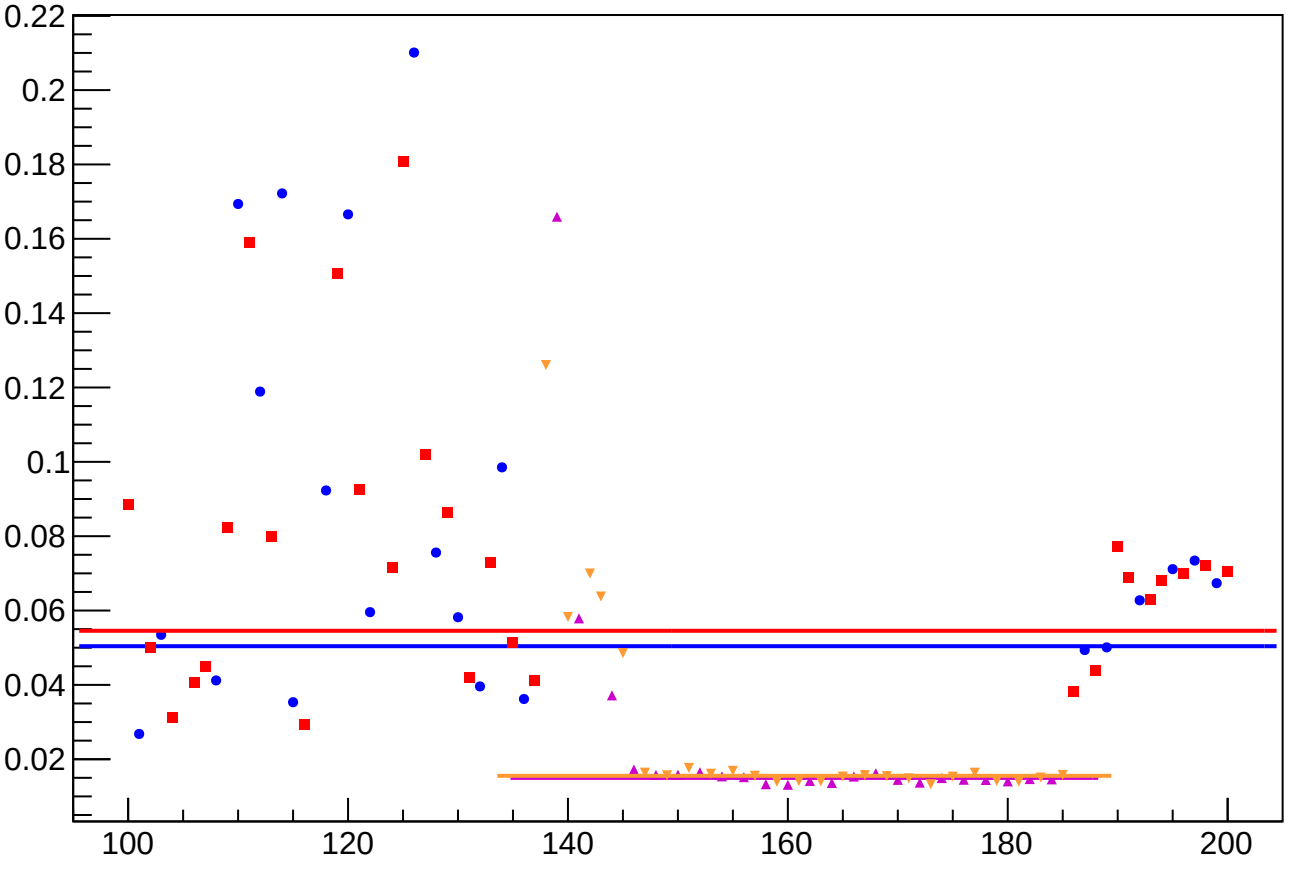
Right: -0.403+/-0.000 χ^2/NDF: 12473388362.5/49

In: 1.342+/-0.000 χ^2/NDF:83167126832.4/44

Out: 1.414+/-0.000 χ^2/NDF:86191740398.1/52

All: 1.378+/-0.000 χ^2/NDF: 169525144545.9

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 3427498.1/21

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

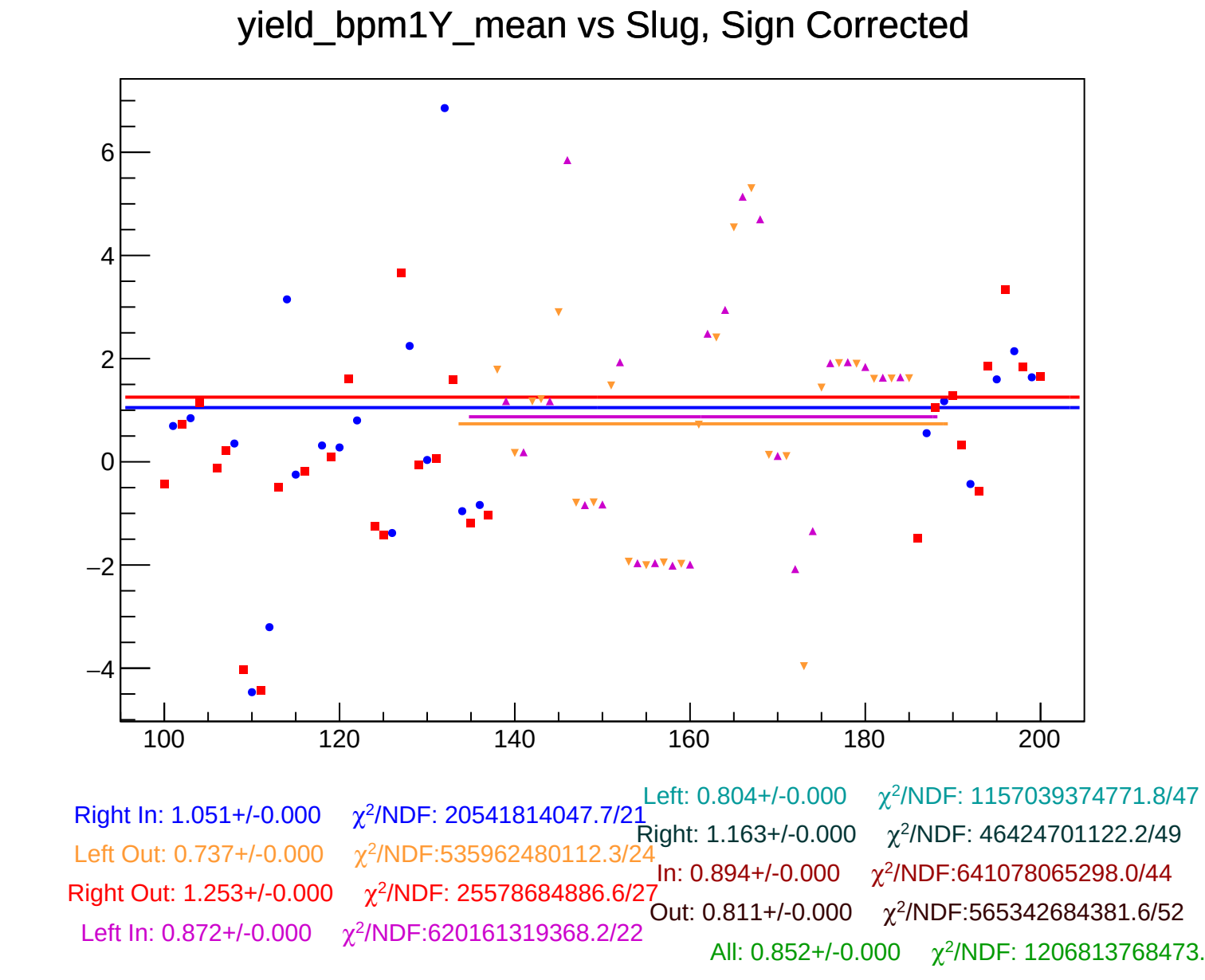
Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

Right: 0.053+/-0.000 χ^2/NDF: 6544479.3/49

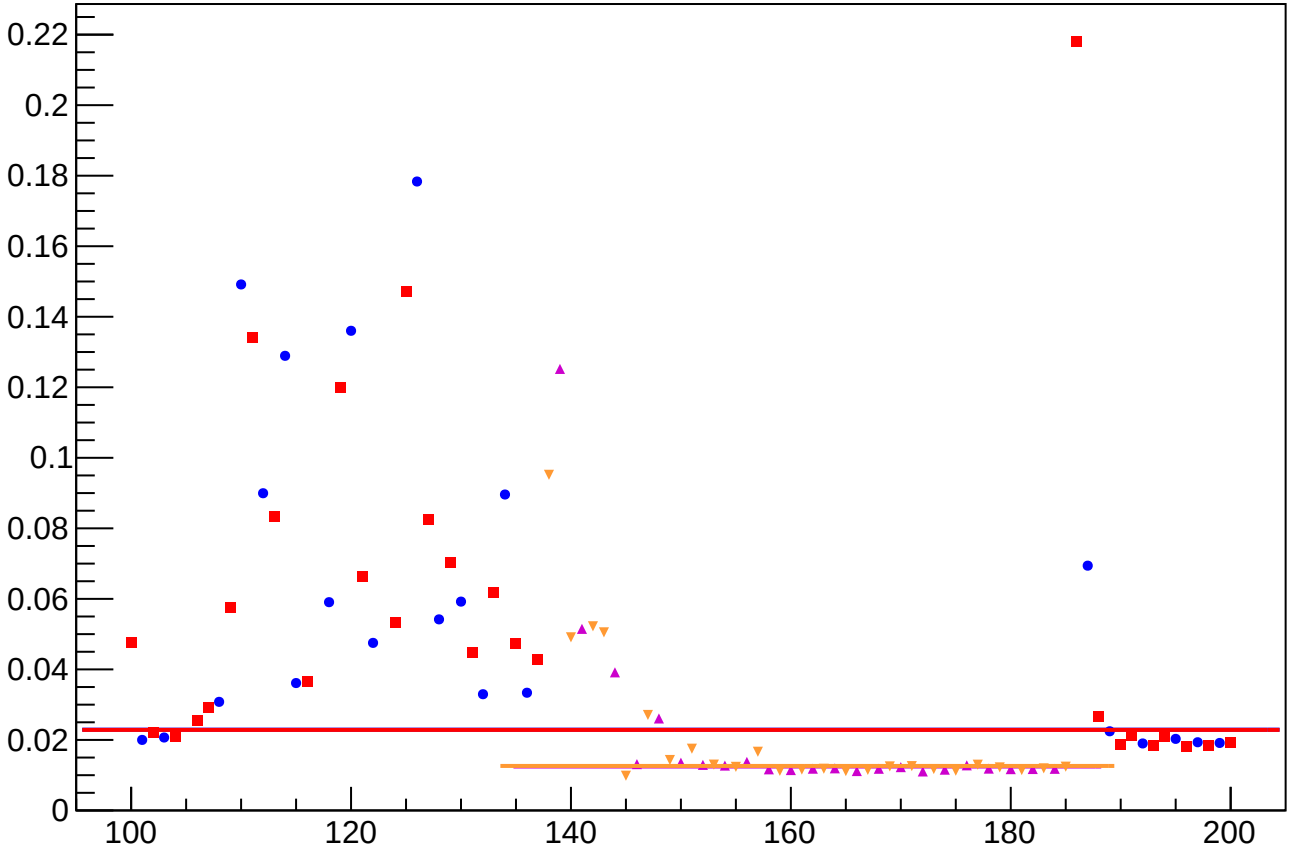
In: 0.017+/-0.000 χ^2/NDF:12722059.5/44

Out: 0.018+/-0.000 χ^2/NDF:15628935.8/52

All: 0.017+/-0.000 χ^2/NDF: 28412997.6/97


yield_bpm1Y_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 1.051+/-0.000 χ²/NDF: 20541814047.7/21
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.253+/-0.000 χ²/NDF: 25578684886.6/27
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
Left: 0.804+/-0.000 χ²/NDF: 1157039374771.8/47
Right: 1.163+/-0.000 χ²/NDF: 46424701122.2/49
In: 0.894+/-0.000 χ²/NDF:641078065298.0/44
Out: 0.811+/-0.000 χ²/NDF:565342684381.6/52
All: 0.852+/-0.000 χ²/NDF: 1206813768473.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 3919569.5/21

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

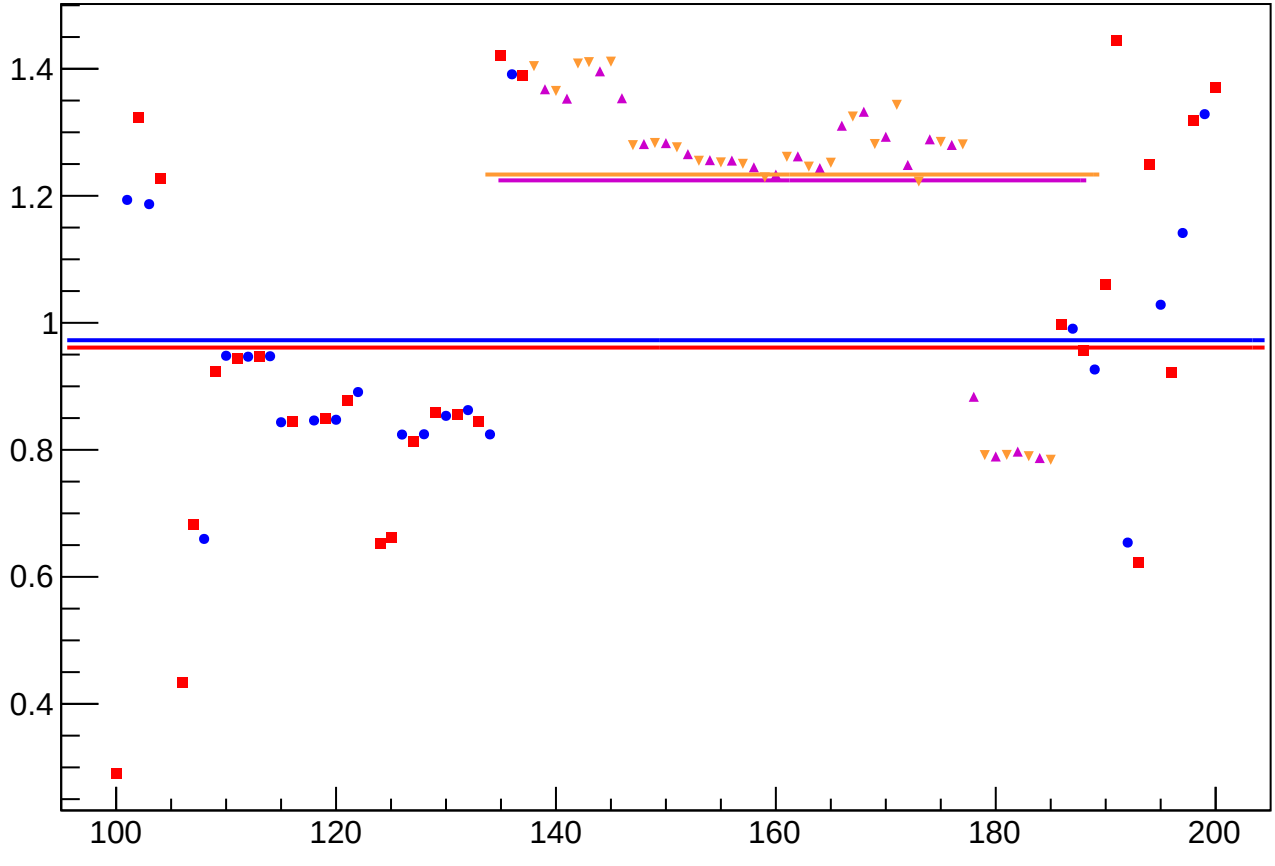
Right: 0.023+/-0.000 χ^2/NDF: 8954772.3/49

In: 0.014+/-0.000 χ^2/NDF:9254096.3/44

Out: 0.014+/-0.000 χ^2/NDF:11200996.8/52

All: 0.014+/-0.000 χ^2/NDF: 20472255.6/97

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.973+/-0.000 χ^2/NDF: 1704880863.7/21

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

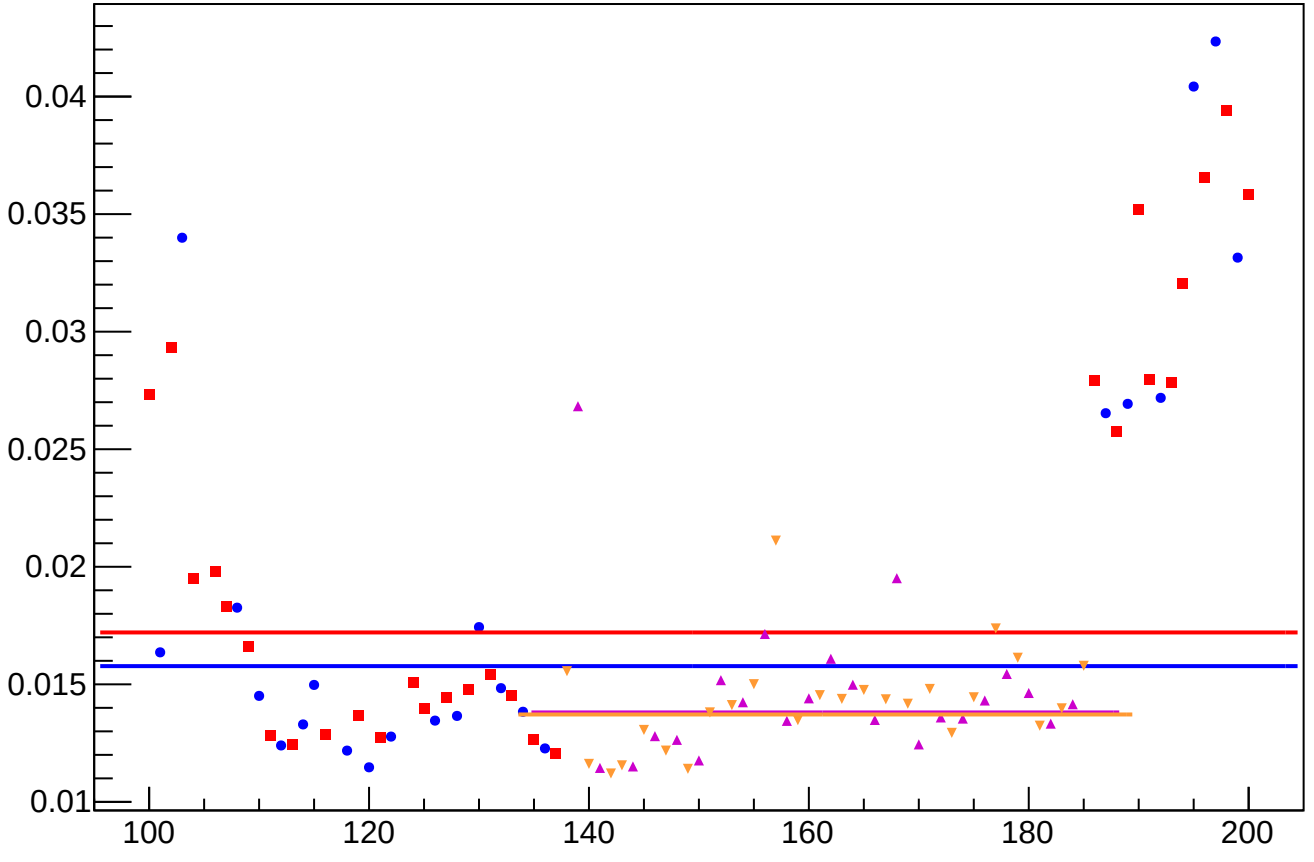
Right: 0.967+/-0.000 χ^2/NDF: 3820525807.4/49

In: 1.149+/-0.000 χ^2/NDF:5970735350.8/44

Out: 1.155+/-0.000 χ^2/NDF:7088038841.2/52

All: 1.152+/-0.000 χ^2/NDF: 13060846261.0/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 3066979.2/21

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

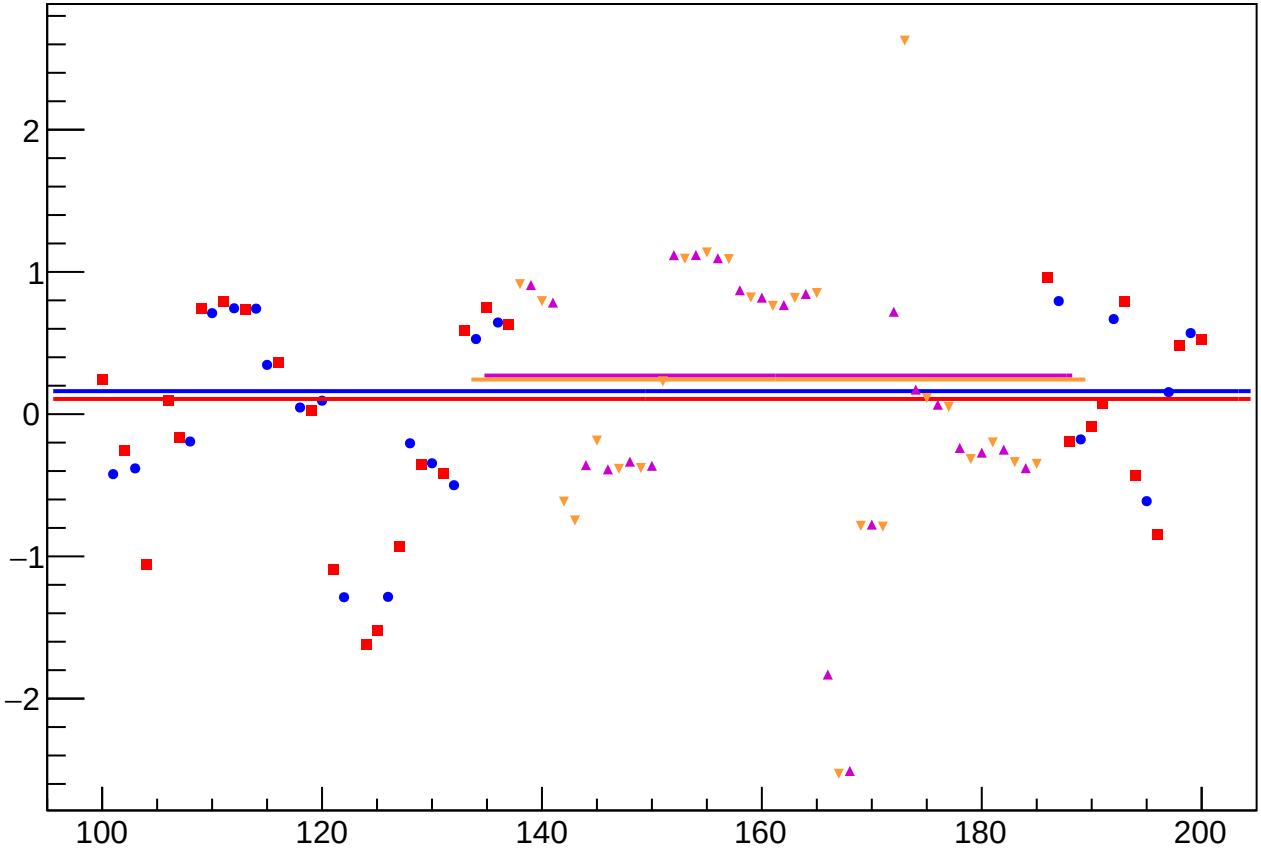
Right: 0.016+/-0.000 χ^2/NDF: 6673309.9/49

In: 0.014+/-0.000 χ^2/NDF:4134600.7/44

Out: 0.015+/-0.000 χ^2/NDF:4715598.6/52

All: 0.015+/-0.000 χ^2/NDF: 8863829.1/97

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.162+/-0.000 χ^2/NDF: 18084197561.3/21

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

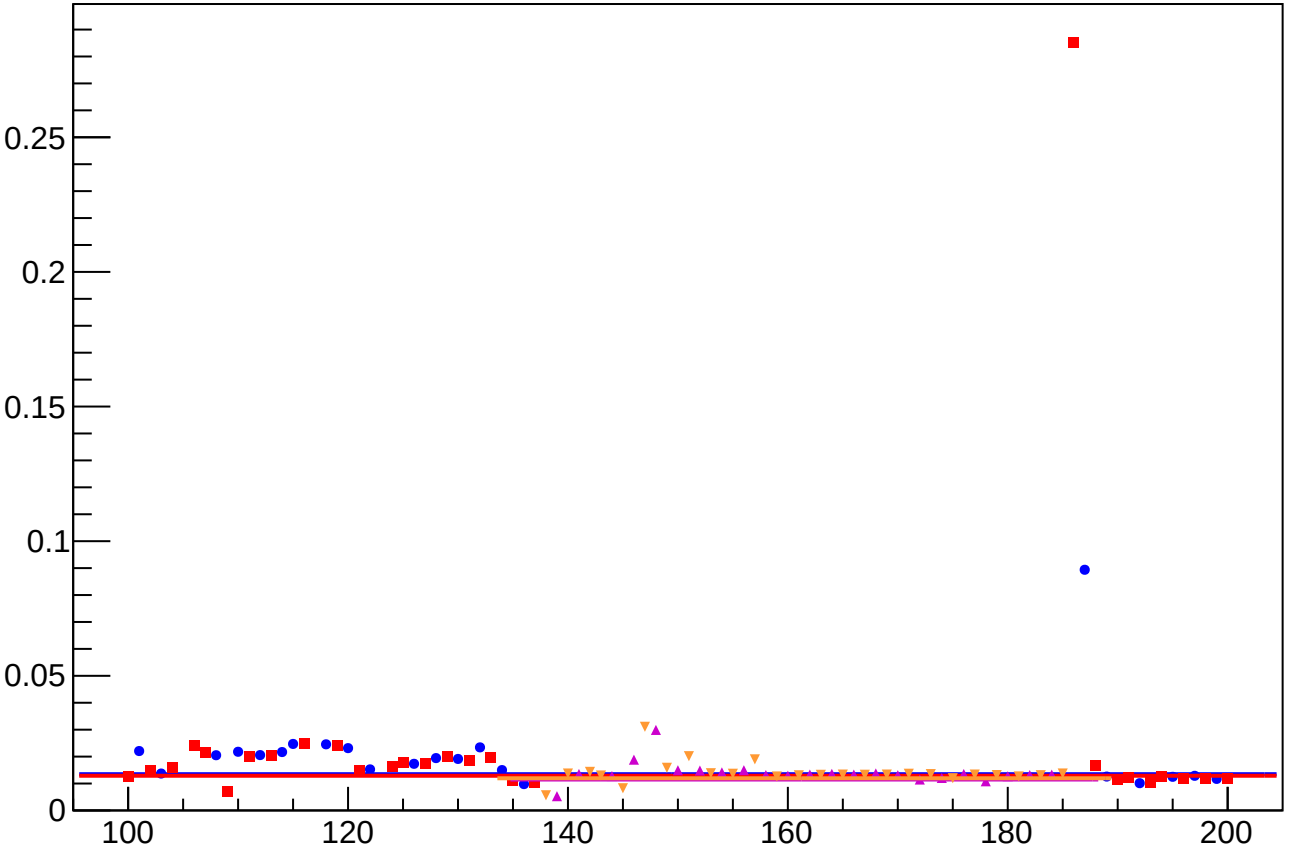
Right: 0.131+/-0.000 χ^2/NDF: 47849500408.6/49

In: 0.238+/-0.000 χ^2/NDF:109020882310.0/44

Out: 0.194+/-0.000 χ^2/NDF:136056268009.2/52

All: 0.215+/-0.000 χ^2/NDF: 245244159975.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2010014.3/21

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

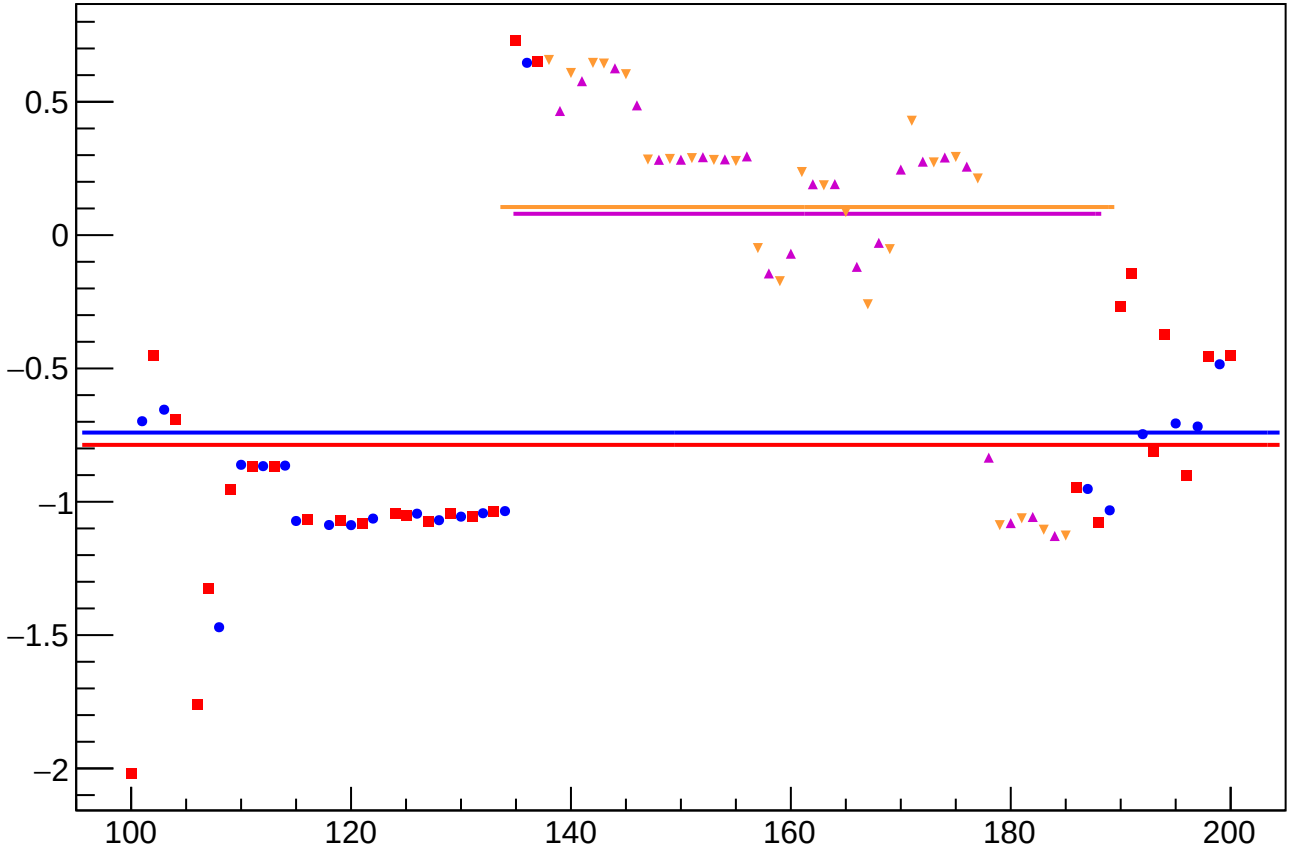
Right: 0.013+/-0.000 χ^2/NDF: 4700858.8/49

In: 0.012+/-0.000 χ^2/NDF:5964839.7/44

Out: 0.012+/-0.000 χ^2/NDF:6012910.5/52

All: 0.012+/-0.000 χ^2/NDF: 11984251.9/97

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.740+/-0.000 χ^2/NDF: 2096842129.2/21

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

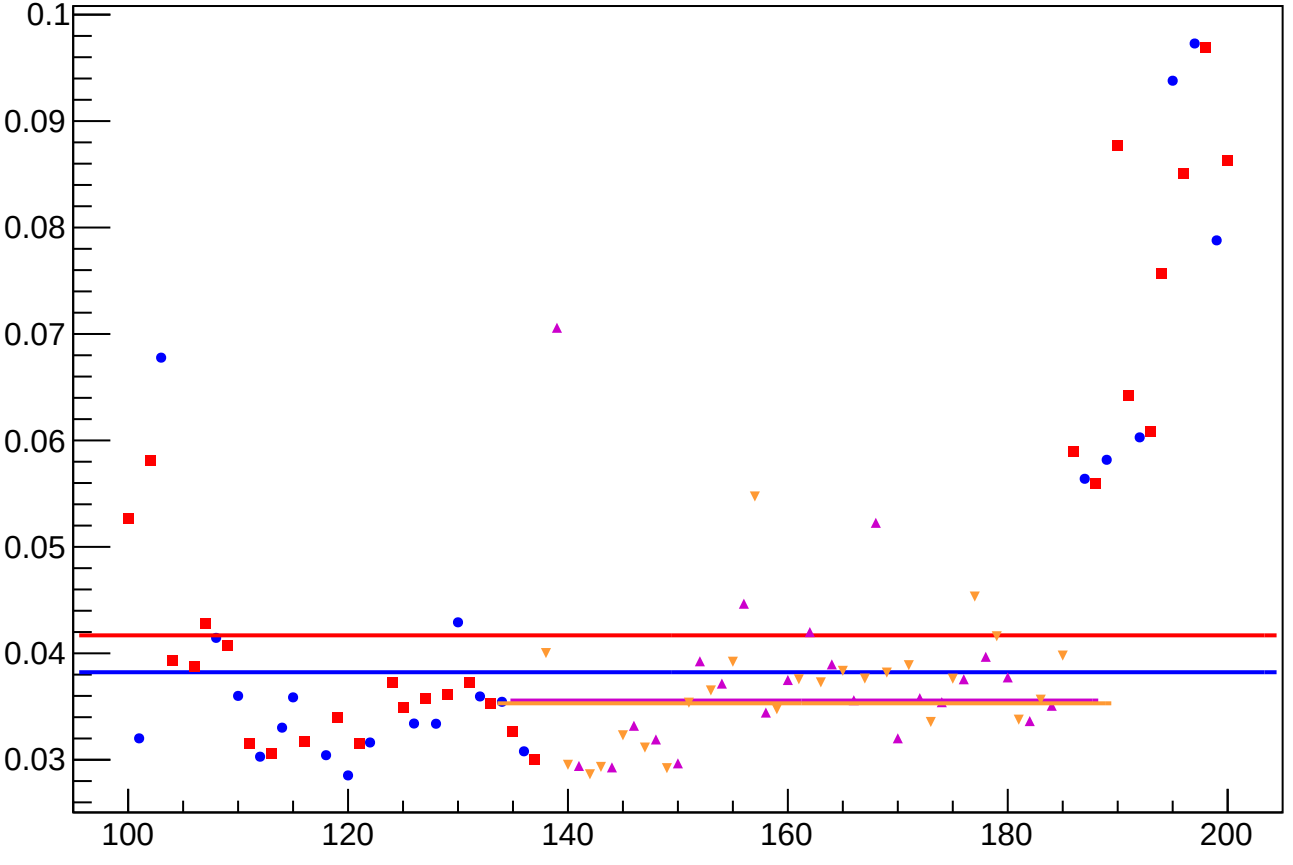
Right: -0.764+/-0.000 χ^2/NDF: 4101623341.5/49

In: -0.193+/-0.000 χ^2/NDF:8211434542.8/44

Out: -0.180+/-0.000 χ^2/NDF:9215472544.4/52

All: -0.186+/-0.000 χ^2/NDF: 17428529070.6/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 2647666.5/21

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

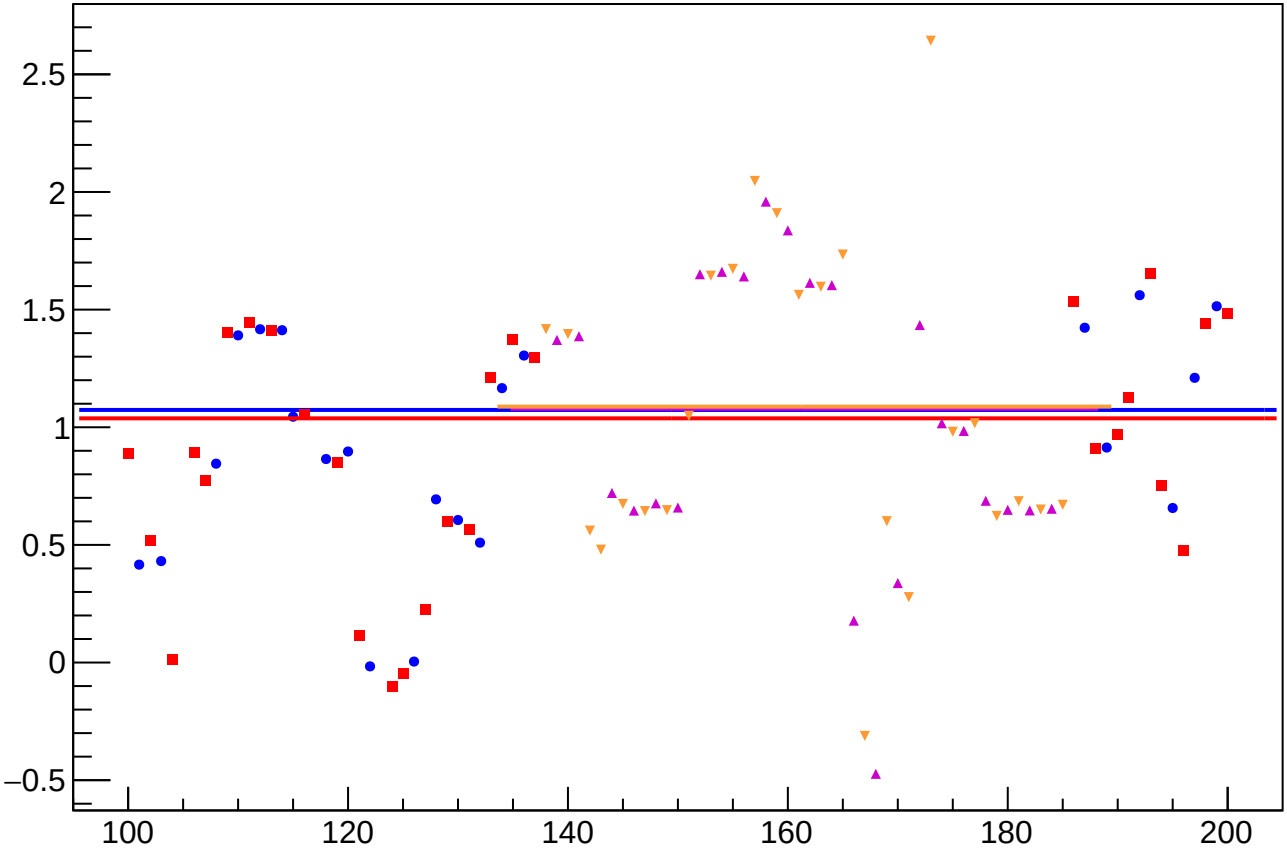
Right: 0.040+/-0.000 χ^2/NDF: 5720889.7/49

In: 0.036+/-0.000 χ^2/NDF:3667915.2/44

Out: 0.037+/-0.000 χ^2/NDF:3961377.3/52

All: 0.037+/-0.000 χ^2/NDF: 7644912.9/97

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.074+/-0.000 χ^2/NDF: 23464033443.8/21

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

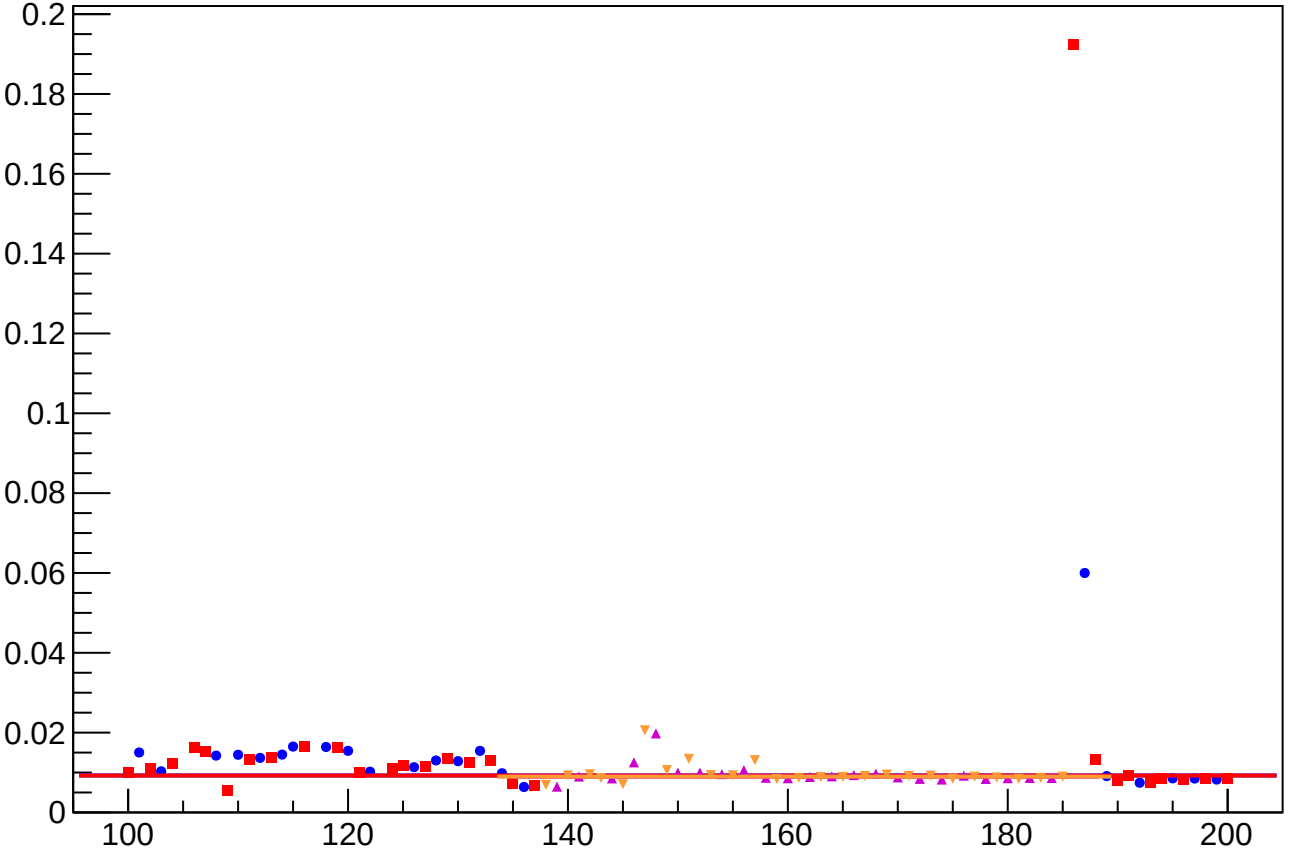
Right: 1.054+/-0.000 χ^2/NDF: 56461190699.4/49

In: 1.077+/-0.000 χ^2/NDF:97546917874.9/44

Out: 1.069+/-0.000 χ^2/NDF:126976463358.0/52

All: 1.073+/-0.000 χ^2/NDF: 224533428351.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1898041.0/21

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

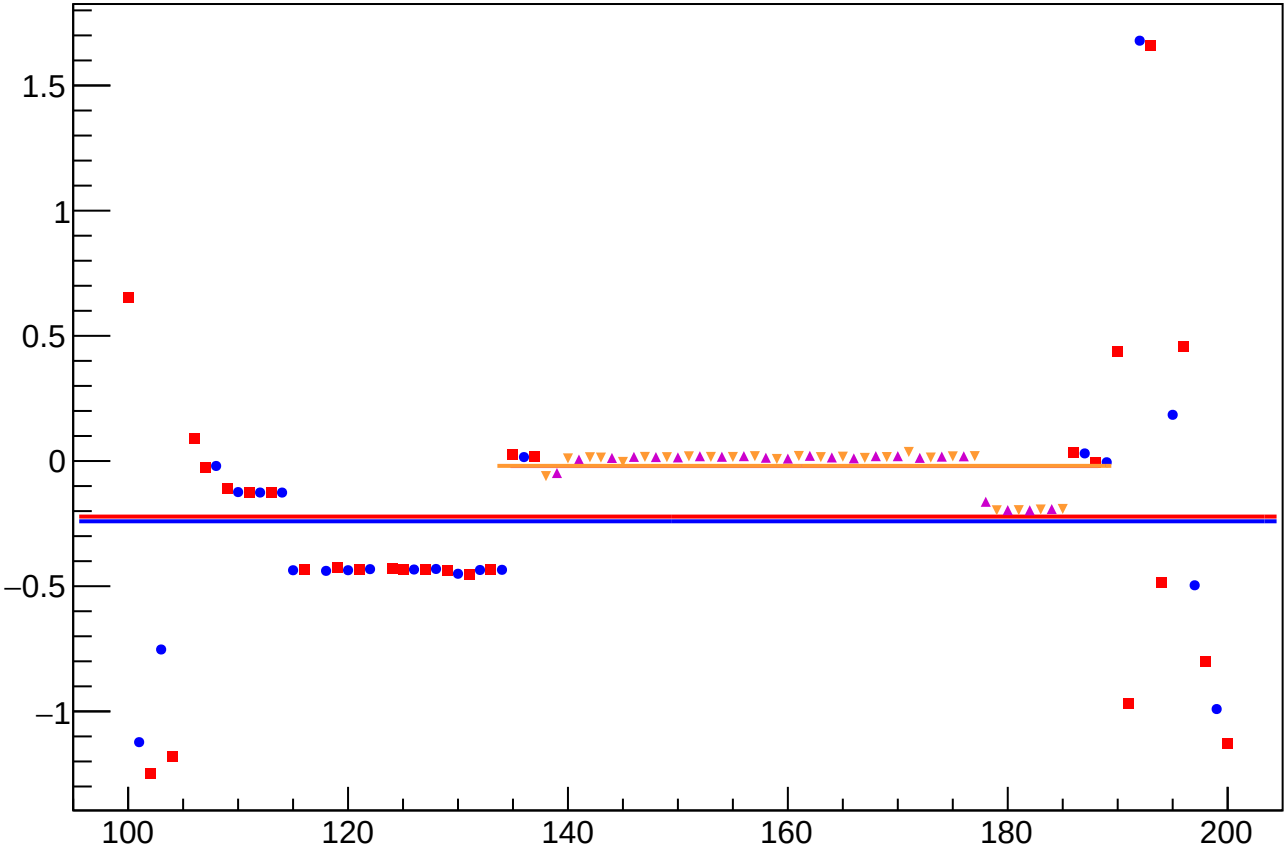
Right: 0.009+/-0.000 χ^2/NDF: 4279351.2/49

In: 0.009+/-0.000 χ^2/NDF:2880459.0/44

Out: 0.009+/-0.000 χ^2/NDF:3539792.0/52

All: 0.009+/-0.000 χ^2/NDF: 6420300.3/97

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.241+/-0.000 χ^2/NDF: 3147236223.6/21

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

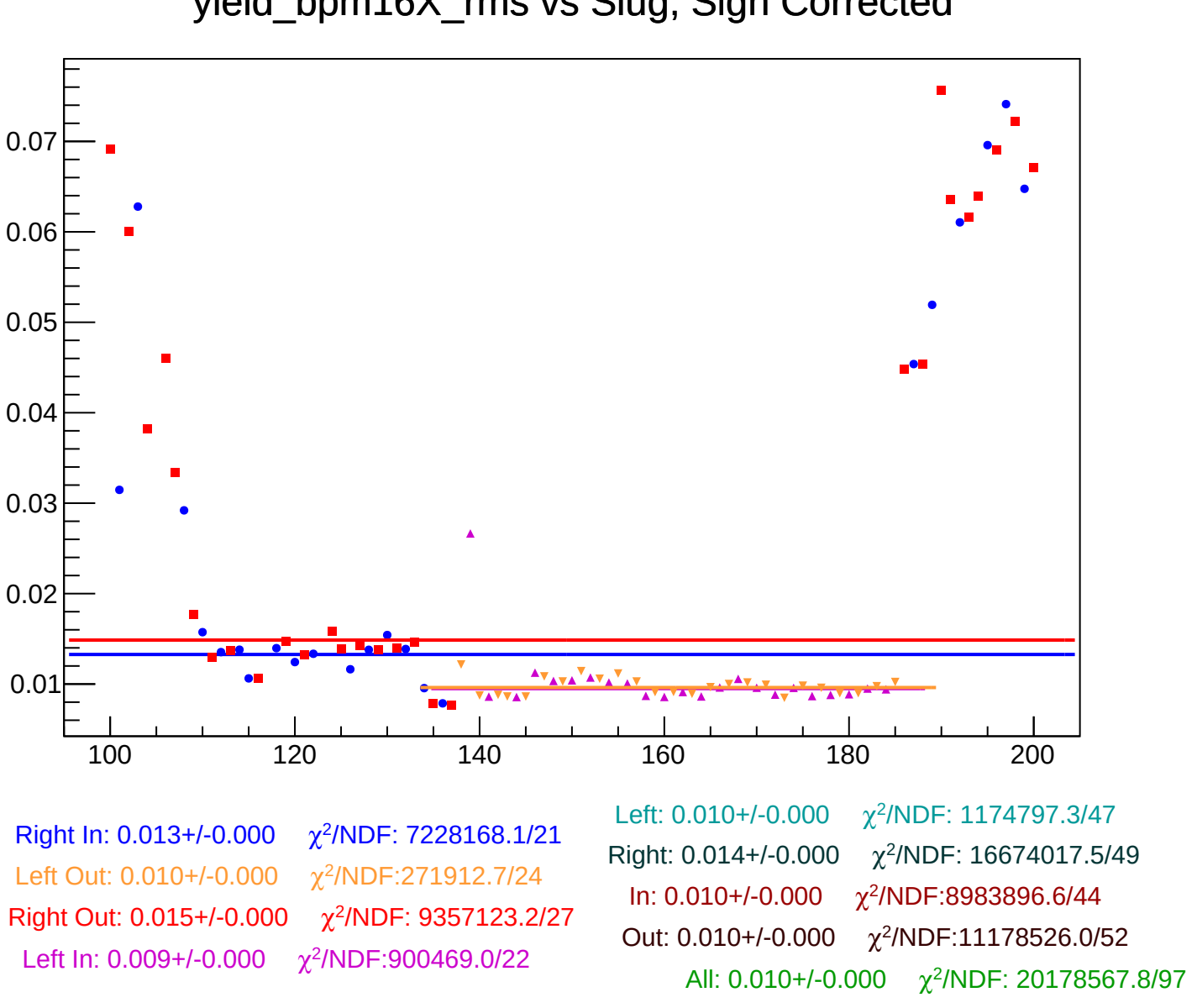
Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

Right: -0.232+/-0.000 χ^2/NDF: 6047696209.8/49

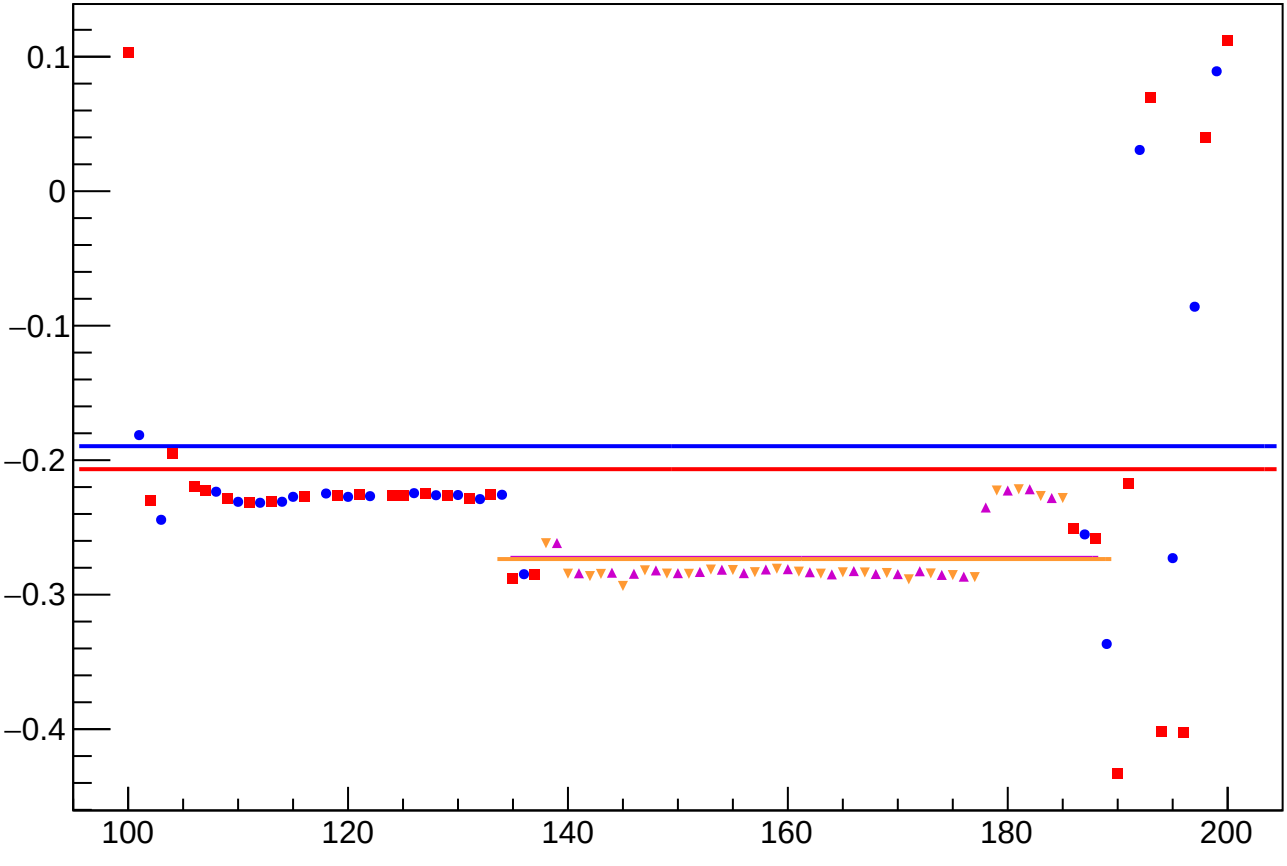
In: -0.059+/-0.000 χ^2/NDF:5594600441.8/44

Out: -0.051+/-0.000 χ^2/NDF:5106810400.5/52

All: -0.055+/-0.000 χ^2/NDF: 10707938110.8/


yield_bpm16X_rms vs Slug, Sign Corrected
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 7228168.1/21
Left Out: 0.010+/-0.000 χ²/NDF:271912.7/24
Right Out: 0.015+/-0.000 χ²/NDF: 9357123.2/27
Left In: 0.009+/-0.000 χ²/NDF:900469.0/22
Left: 0.010+/-0.000 χ²/NDF: 1174797.3/47
Right: 0.014+/-0.000 χ²/NDF: 16674017.5/49
In: 0.010+/-0.000 χ²/NDF:8983896.6/44
Out: 0.010+/-0.000 χ²/NDF:11178526.0/52
All: 0.010+/-0.000 χ²/NDF: 20178567.8/97

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 4662643763.5/21

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

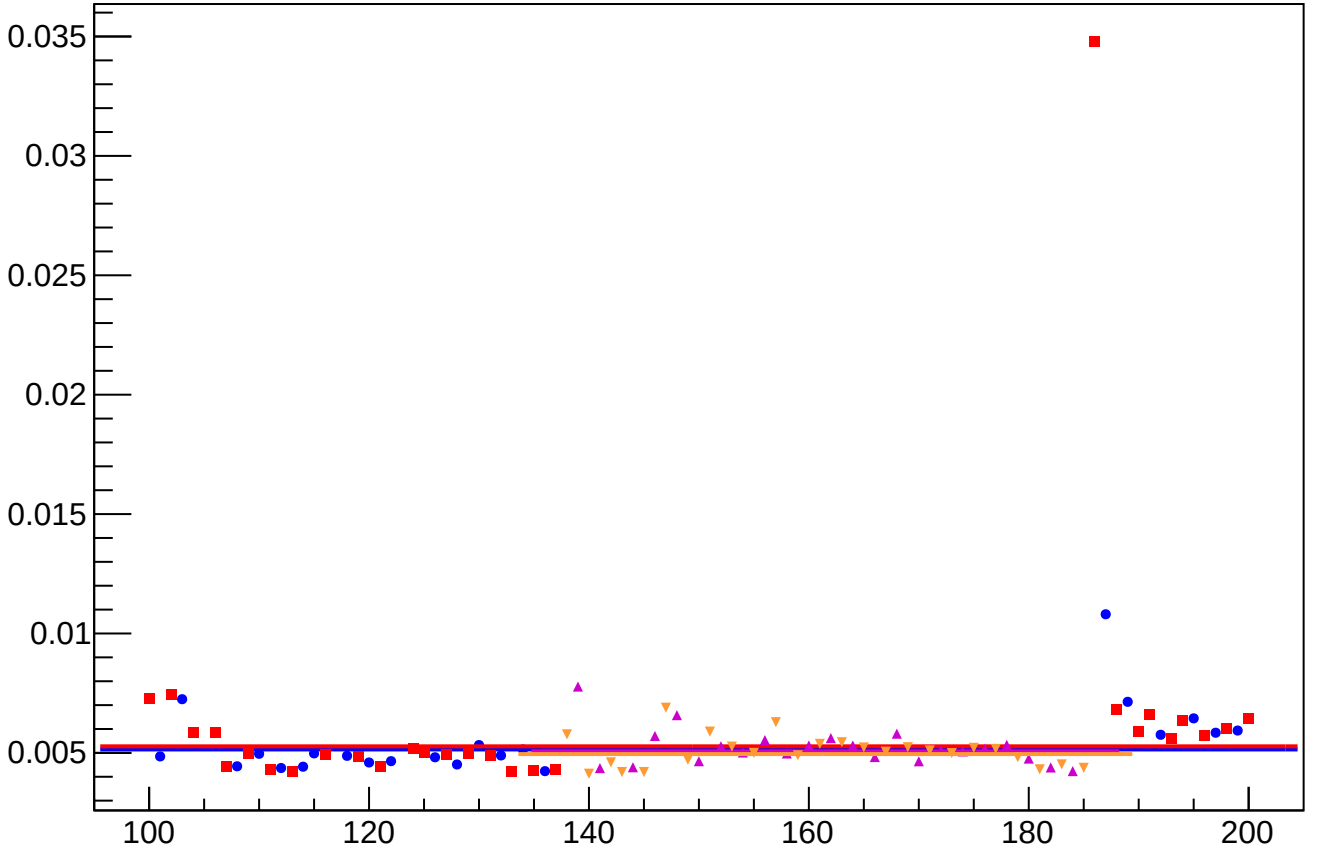
Right: -0.199+/-0.000 χ^2/NDF: 12742040152.3/49

In: -0.242+/-0.000 χ^2/NDF:6696737936.0/44

Out: -0.249+/-0.000 χ^2/NDF:9639158894.1/52

All: -0.246+/-0.000 χ^2/NDF: 16360798568.0/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 589061.7/21

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

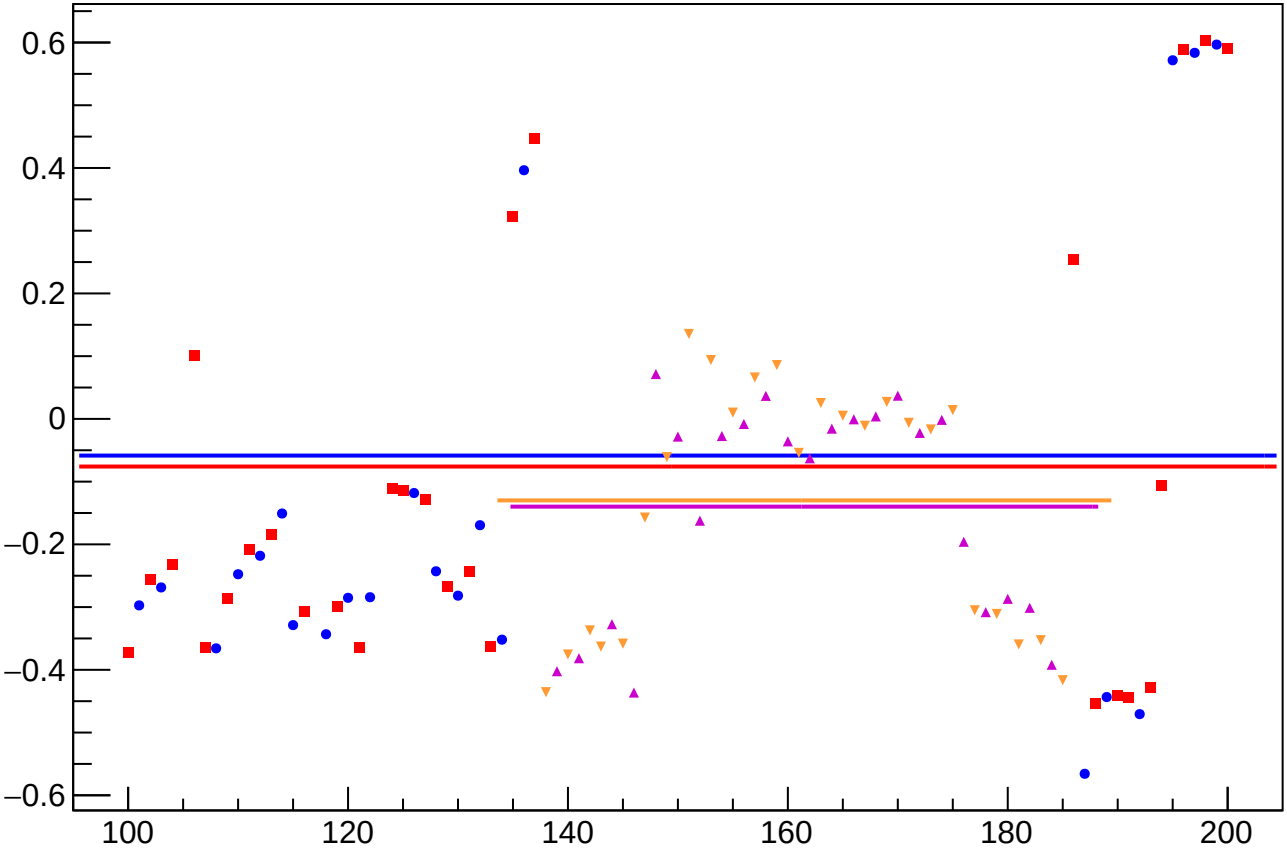
Right: 0.005+/-0.000 χ^2/NDF: 1834722.5/49

In: 0.005+/-0.000 χ^2/NDF:1131408.9/44

Out: 0.005+/-0.000 χ^2/NDF:1825079.2/52

All: 0.005+/-0.000 χ^2/NDF: 2957160.8/97

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.000 χ^2/NDF: 39053089401.6/21

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

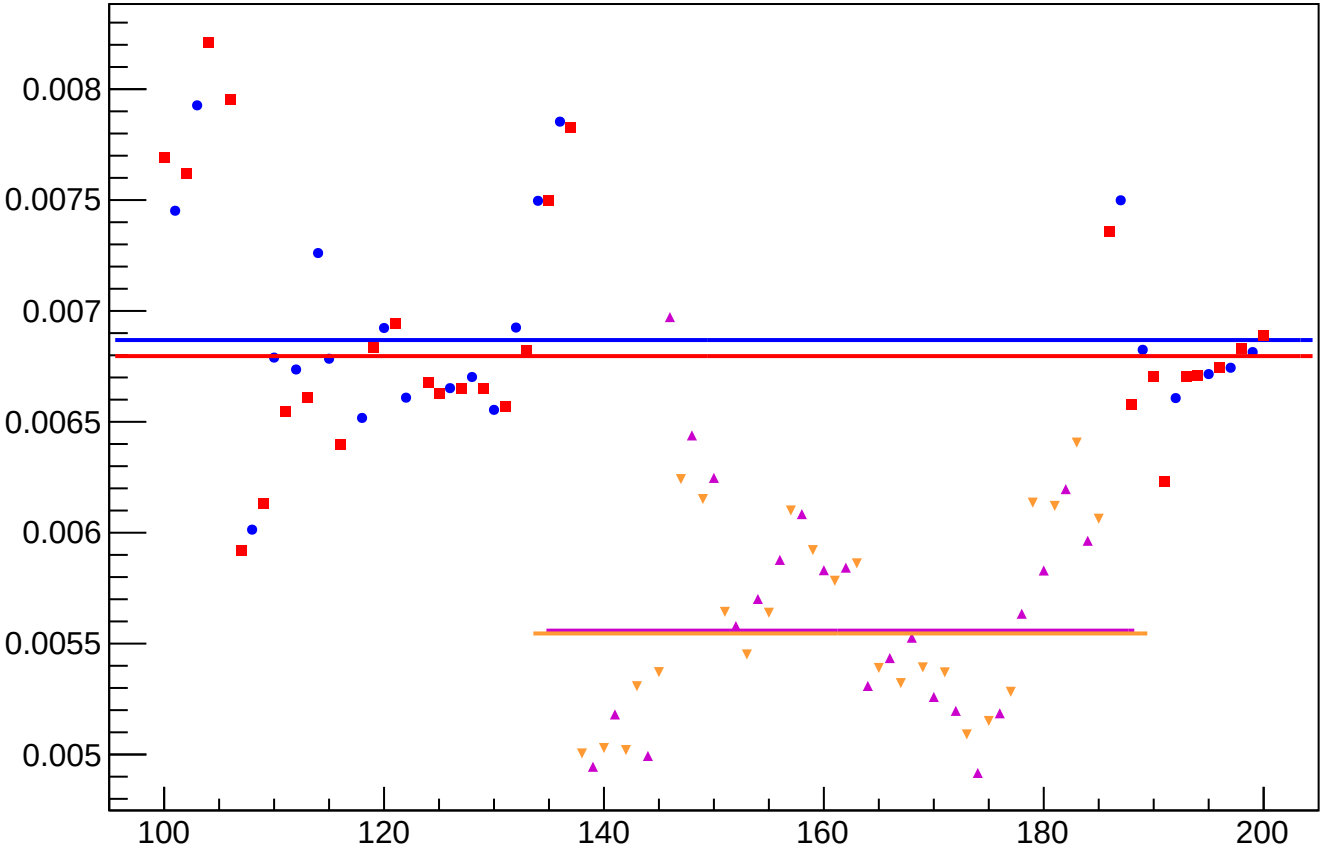
Right: -0.068+/-0.000 χ^2/NDF: 79101522794.0/49

In: -0.115+/-0.000 χ^2/NDF:55312693878.9/44

Out: -0.112+/-0.000 χ^2/NDF:62072147298.1/52

All: -0.114+/-0.000 χ^2/NDF: 117389019571.8

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 93930.2/21

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

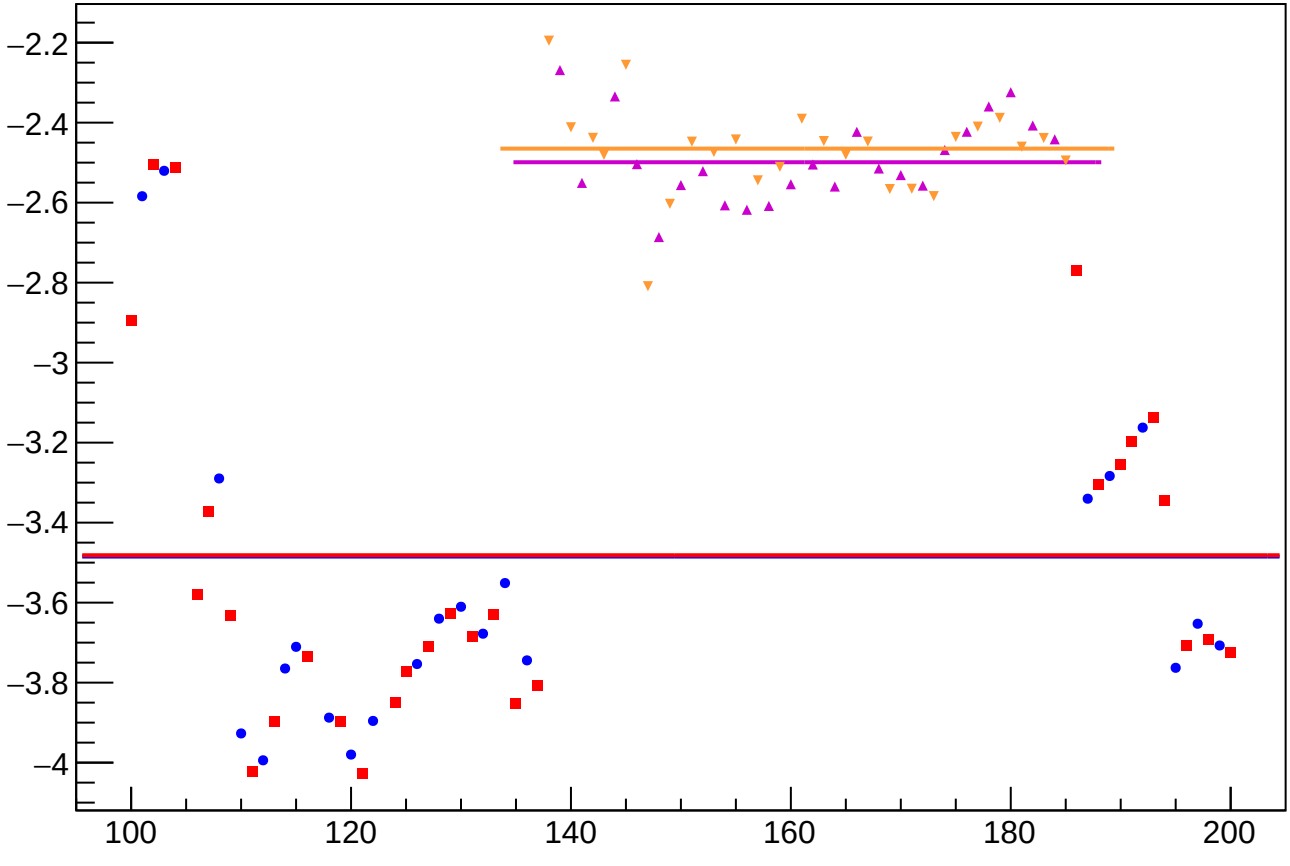
Right: 0.007+/-0.000 χ^2/NDF: 207820.1/49

In: 0.006+/-0.000 χ^2/NDF:930619.8/44

Out: 0.006+/-0.000 χ^2/NDF:923554.6/52

All: 0.006+/-0.000 χ^2/NDF: 1854179.8/97

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.485+/-0.000 χ^2/NDF: 31499270224.7/21

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

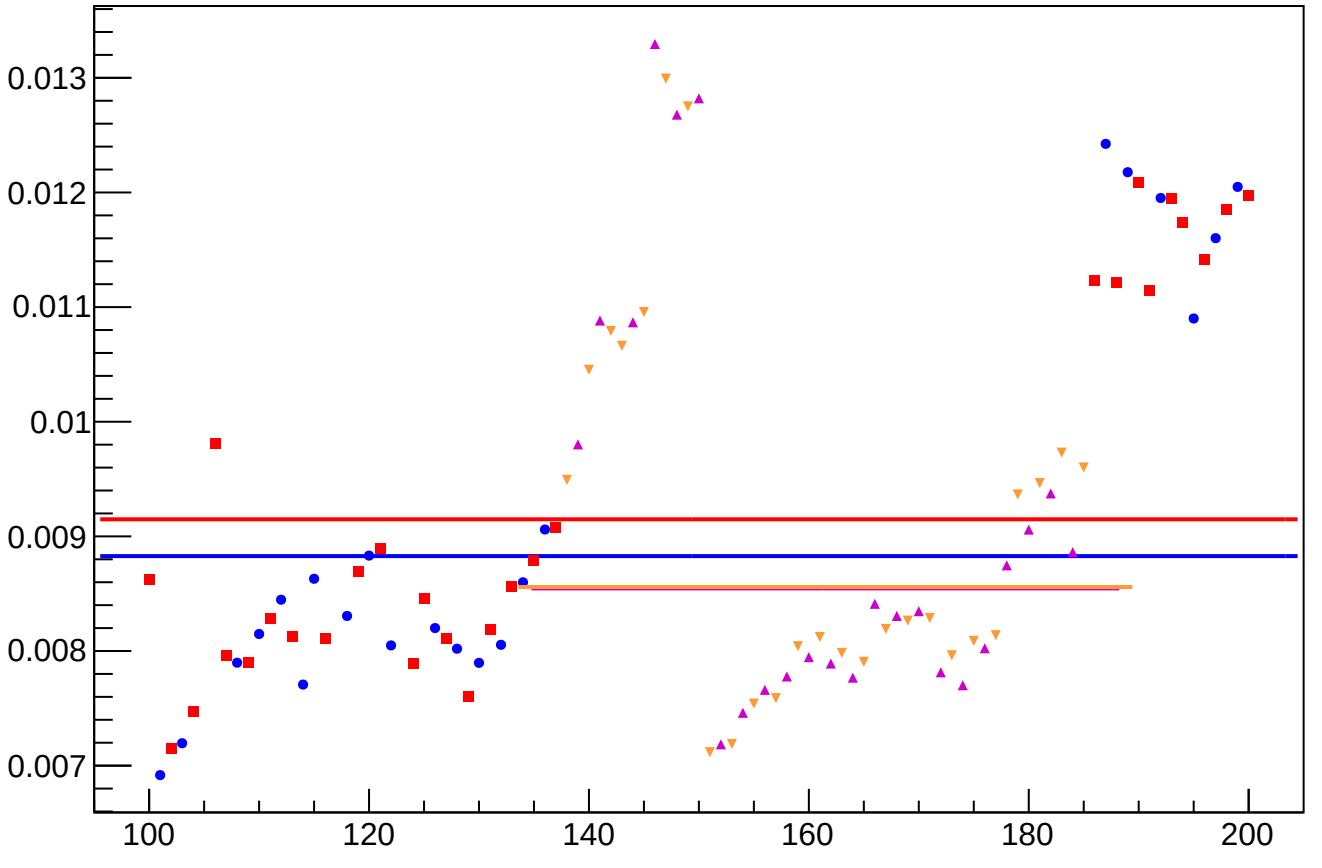
Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

Right: -3.483+/-0.000 χ^2/NDF: 65101900784.1/49

In: -2.867+/-0.000 χ^2/NDF:118691561129.0/44

Out: -2.854+/-0.000 χ^2/NDF:133398843280.8/52

All: -2.860+/-0.000 χ^2/NDF: 252123910647.9



Right In: 0.009+/-0.000 χ^2/NDF: 750829.8/21

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

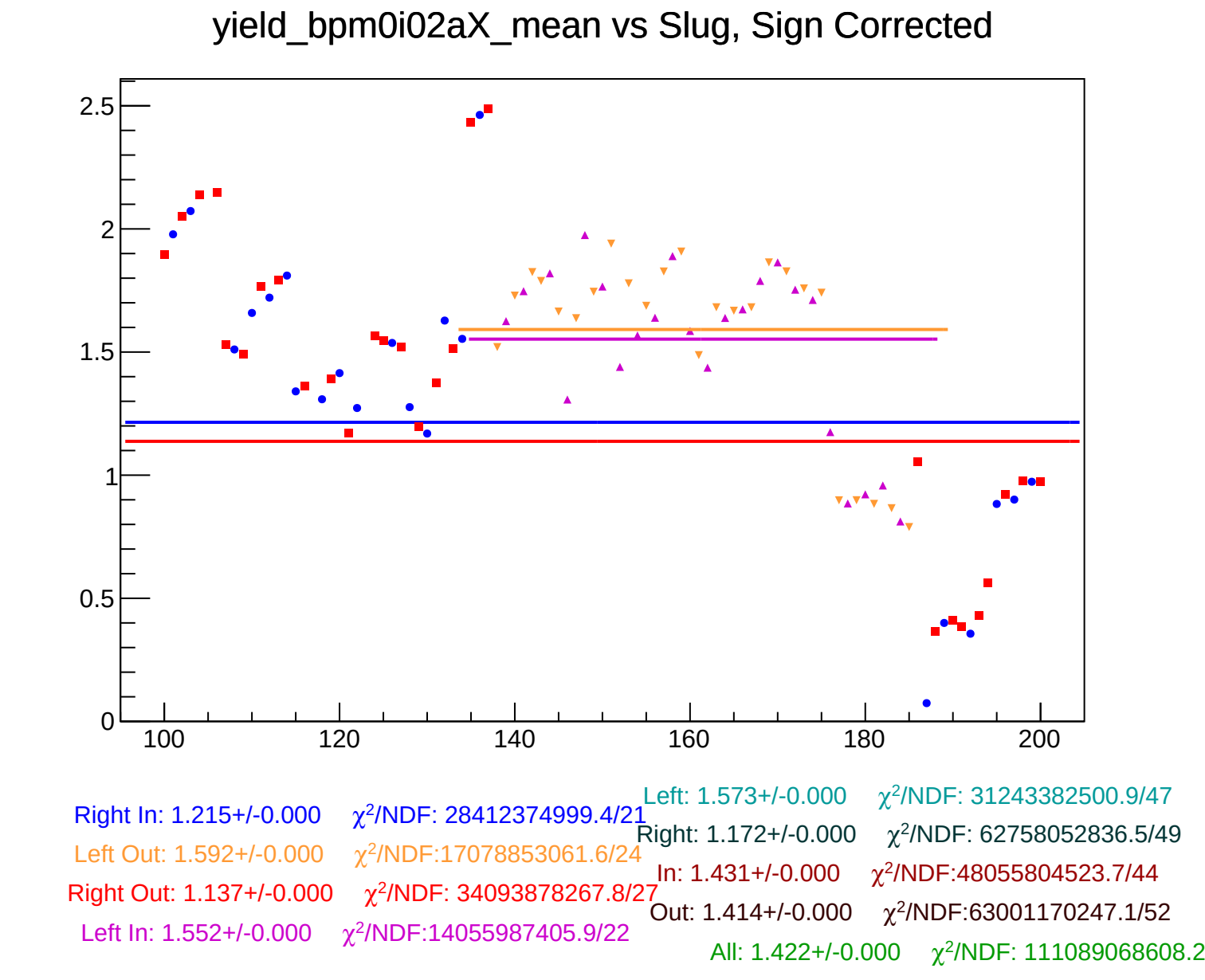
Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

Right: 0.009+/-0.000 χ^2/NDF: 1632592.0/49

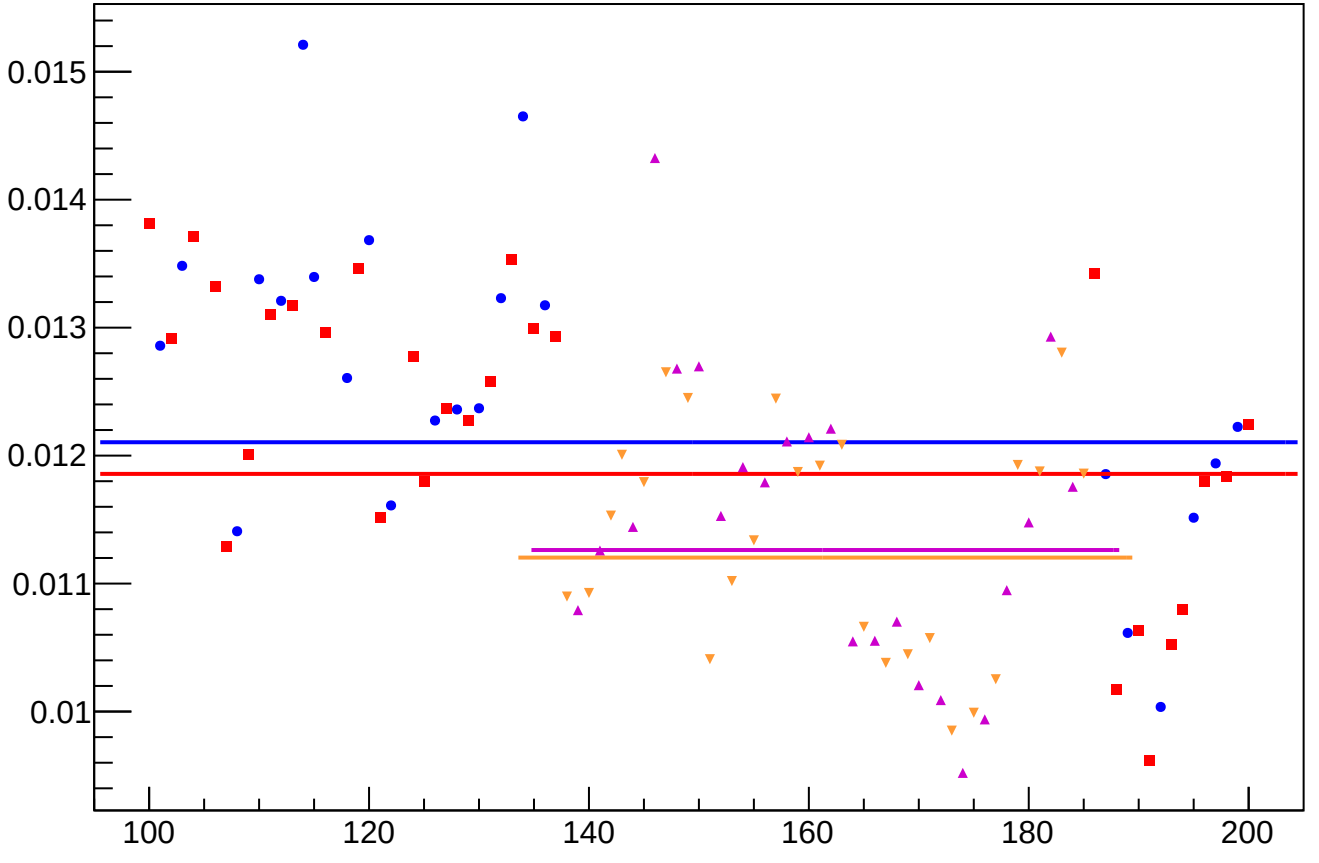
In: 0.009+/-0.000 χ^2/NDF:1675492.4/44

Out: 0.009+/-0.000 χ^2/NDF:1756667.3/52

All: 0.009+/-0.000 χ^2/NDF: 3439008.3/97


yield_bpm0i02aX_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 1.215+/-0.000 χ²/NDF: 28412374999.4/21
Left Out: 1.592+/-0.000 χ²/NDF:17078853061.6/24
Right Out: 1.137+/-0.000 χ²/NDF: 34093878267.8/27
Left In: 1.552+/-0.000 χ²/NDF:14055987405.9/22
Left: 1.573+/-0.000 χ²/NDF: 31243382500.9/47
Right: 1.172+/-0.000 χ²/NDF: 62758052836.5/49
In: 1.431+/-0.000 χ²/NDF:48055804523.7/44
Out: 1.414+/-0.000 χ²/NDF:63001170247.1/52
All: 1.422+/-0.000 χ²/NDF: 111089068608.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 205186.2/21

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

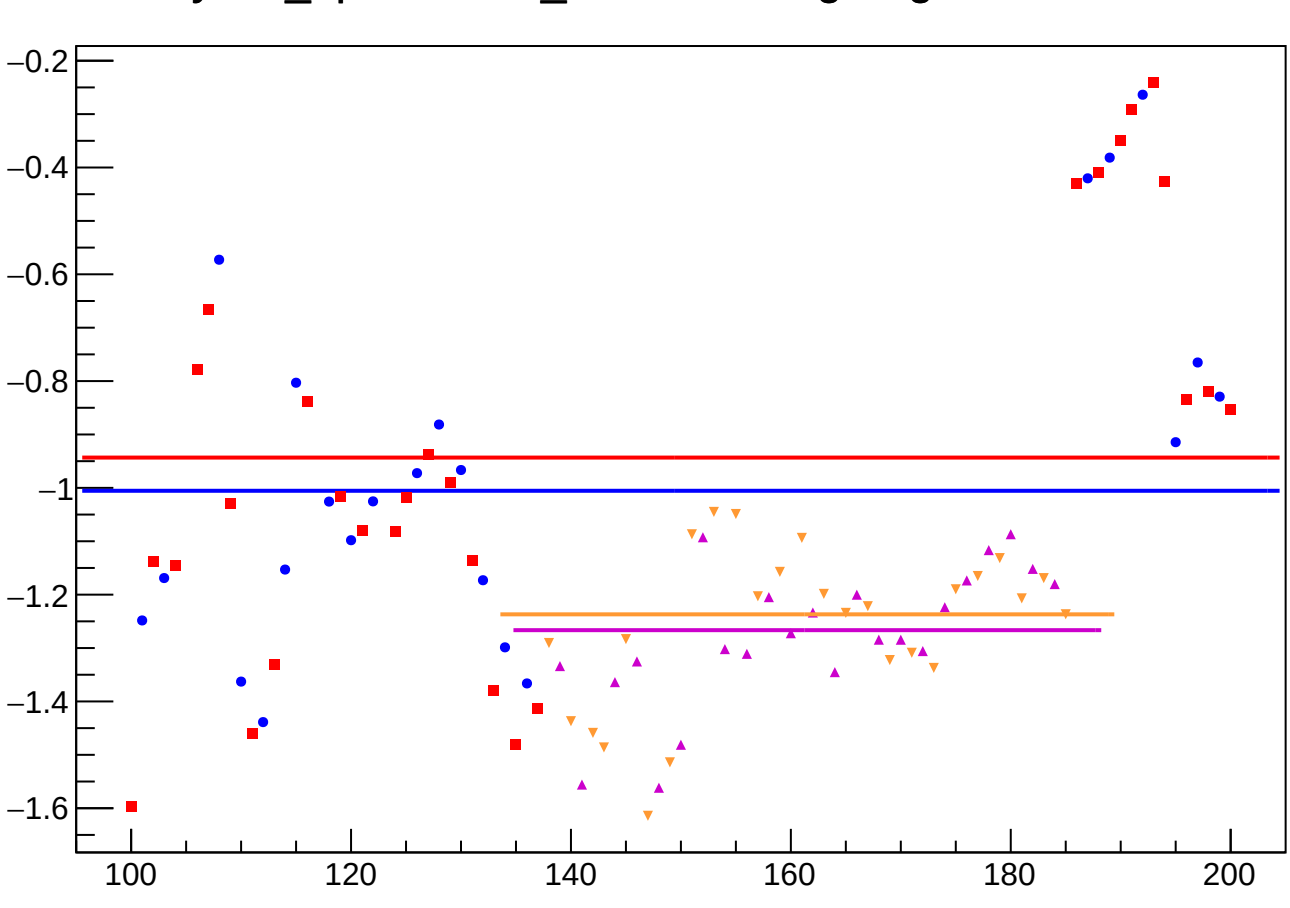
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 457195.0/49

In: 0.012+/-0.000 χ^2/NDF:586353.7/44

Out: 0.011+/-0.000 χ^2/NDF:519495.1/52

All: 0.012+/-0.000 χ^2/NDF: 1108398.2/97



Right In: -1.005+/-0.000 χ^2/NDF: 11489929183.1/21

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

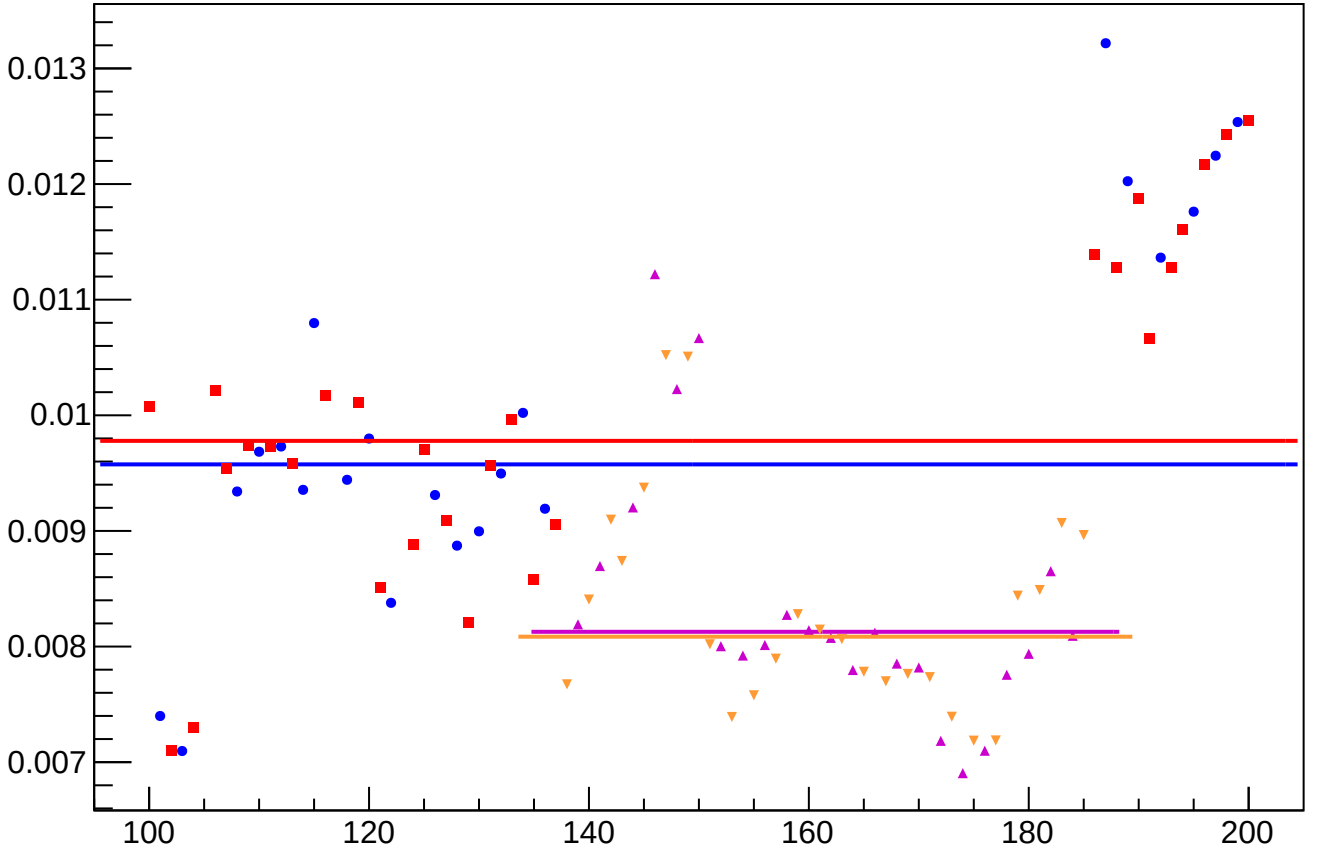
Right: -0.972+/-0.000 χ^2/NDF: 28288493831.9/49

In: -1.185+/-0.000 χ^2/NDF:20684084986.2/44

Out: -1.141+/-0.000 χ^2/NDF:29276555042.2/52

All: -1.162+/-0.000 χ^2/NDF: 50332513277.7/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 635091.3/21

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

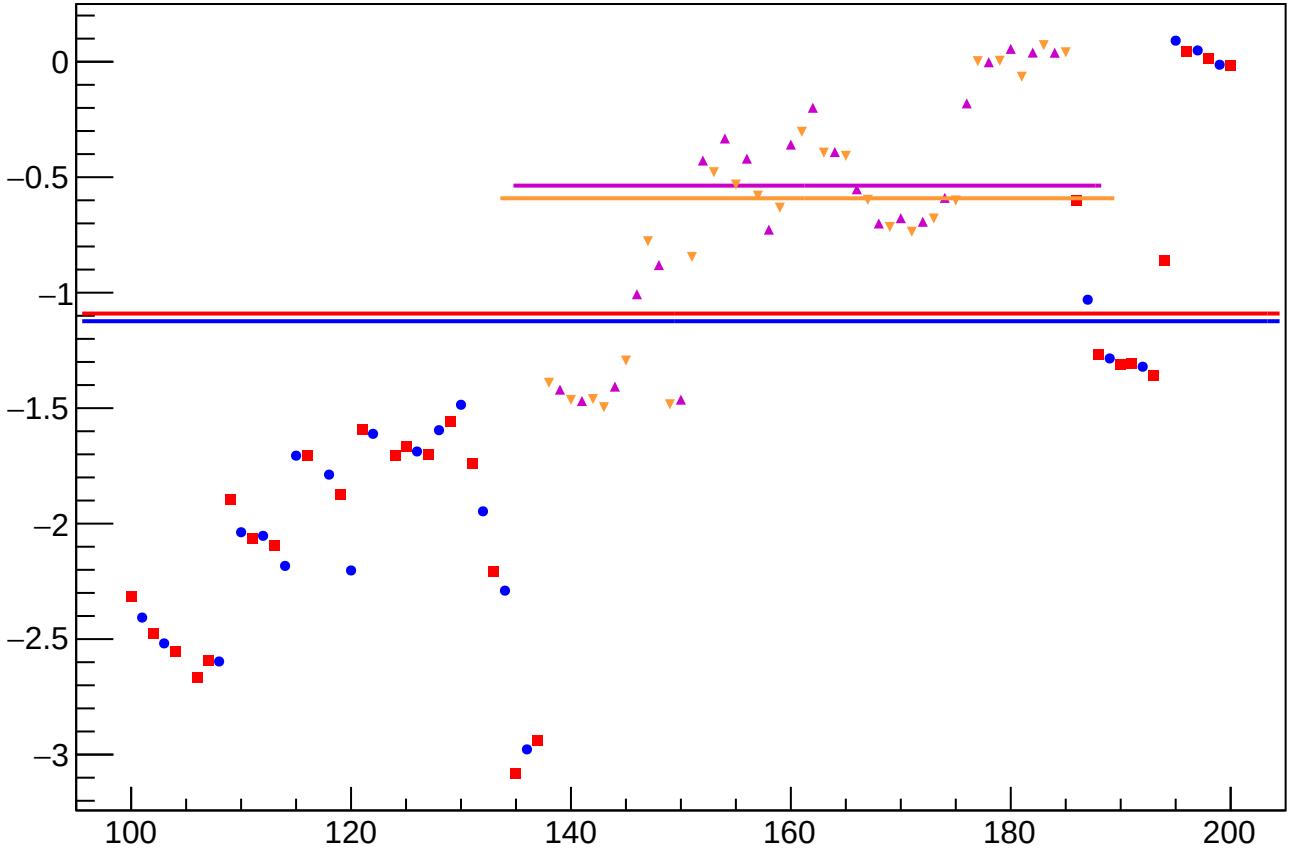
Right: 0.010+/-0.000 χ^2/NDF: 1377252.0/49

In: 0.009+/-0.000 χ^2/NDF:1383720.1/44

Out: 0.009+/-0.000 χ^2/NDF:1579399.8/52

All: 0.009+/-0.000 χ^2/NDF: 2964343.8/97

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -1.124+/-0.000 χ^2/NDF: 265039399401.2/21

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

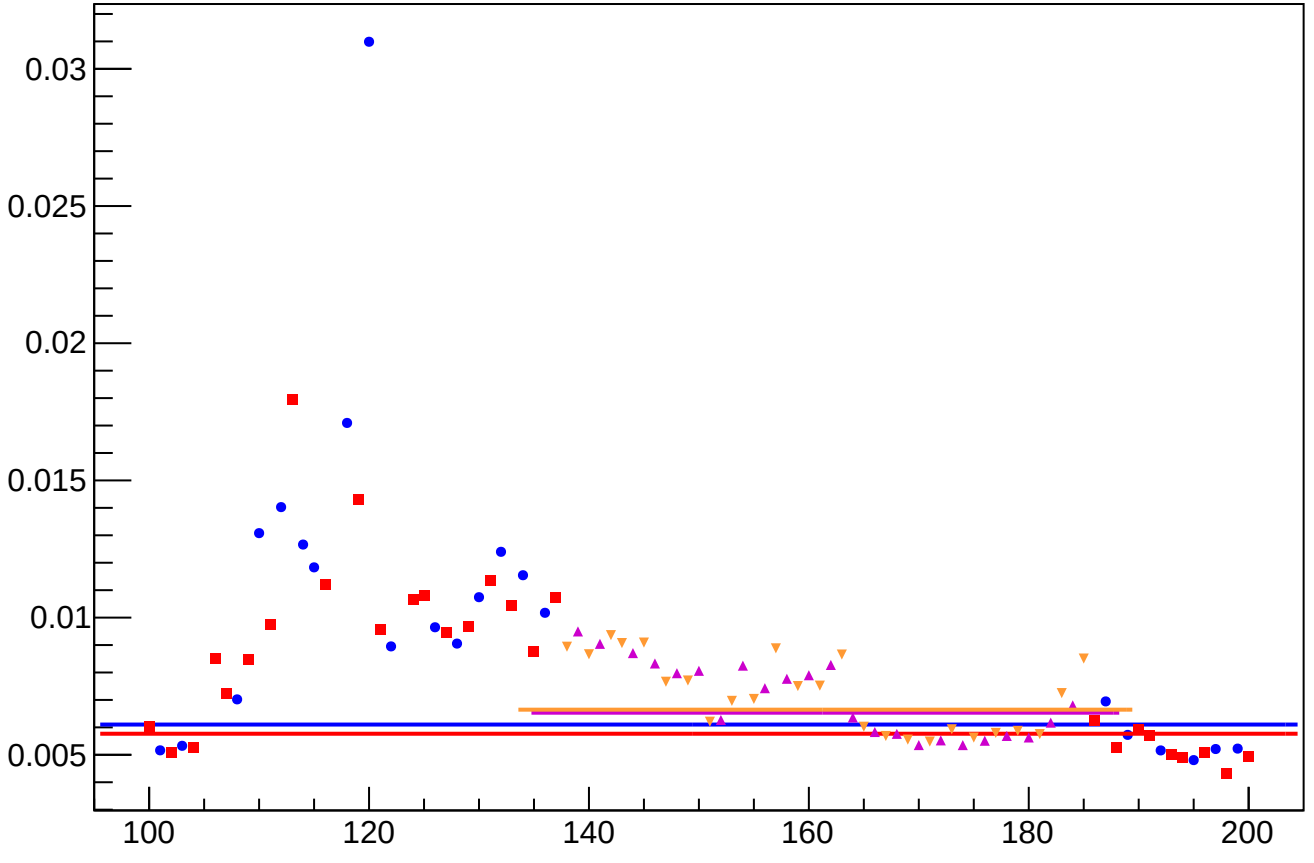
Right: -1.104+/-0.000 χ^2/NDF: 556139177855.2/49

In: -0.764+/-0.000 χ^2/NDF:384764140677.9/44

Out: -0.822+/-0.000 χ^2/NDF:407286837827.1/52

All: -0.795+/-0.000 χ^2/NDF: 793148350937.9

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2400687.3/21

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

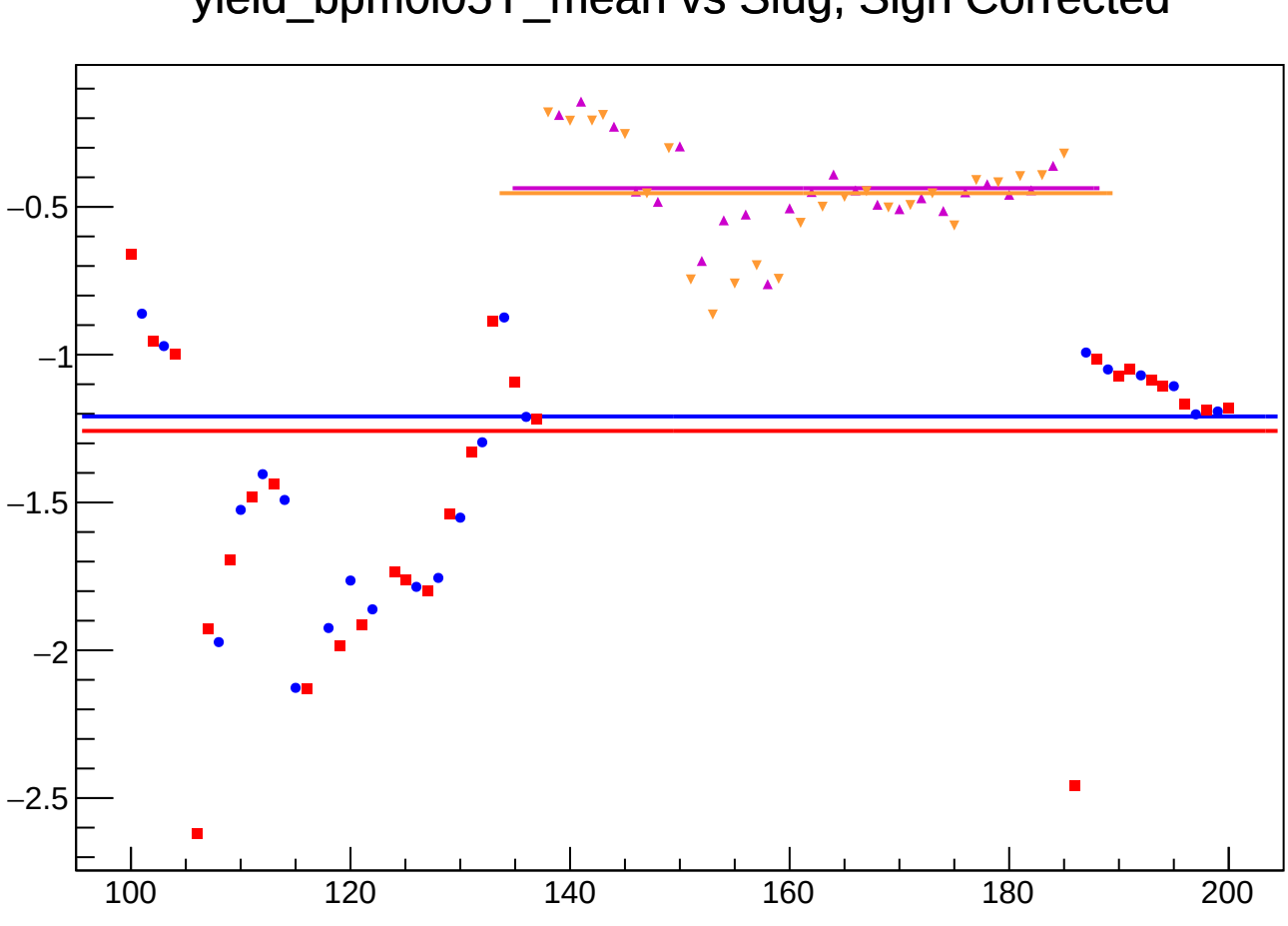
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4775490.0/49

In: 0.006+/-0.000 χ^2/NDF:3605496.1/44

Out: 0.006+/-0.000 χ^2/NDF:3705902.5/52

All: 0.006+/-0.000 χ^2/NDF: 7322037.4/97



Right In: -1.209+/-0.000 χ^2/NDF: 27046465717.0/21

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.258+/-0.000 χ^2/NDF: 71670208986.2/27

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

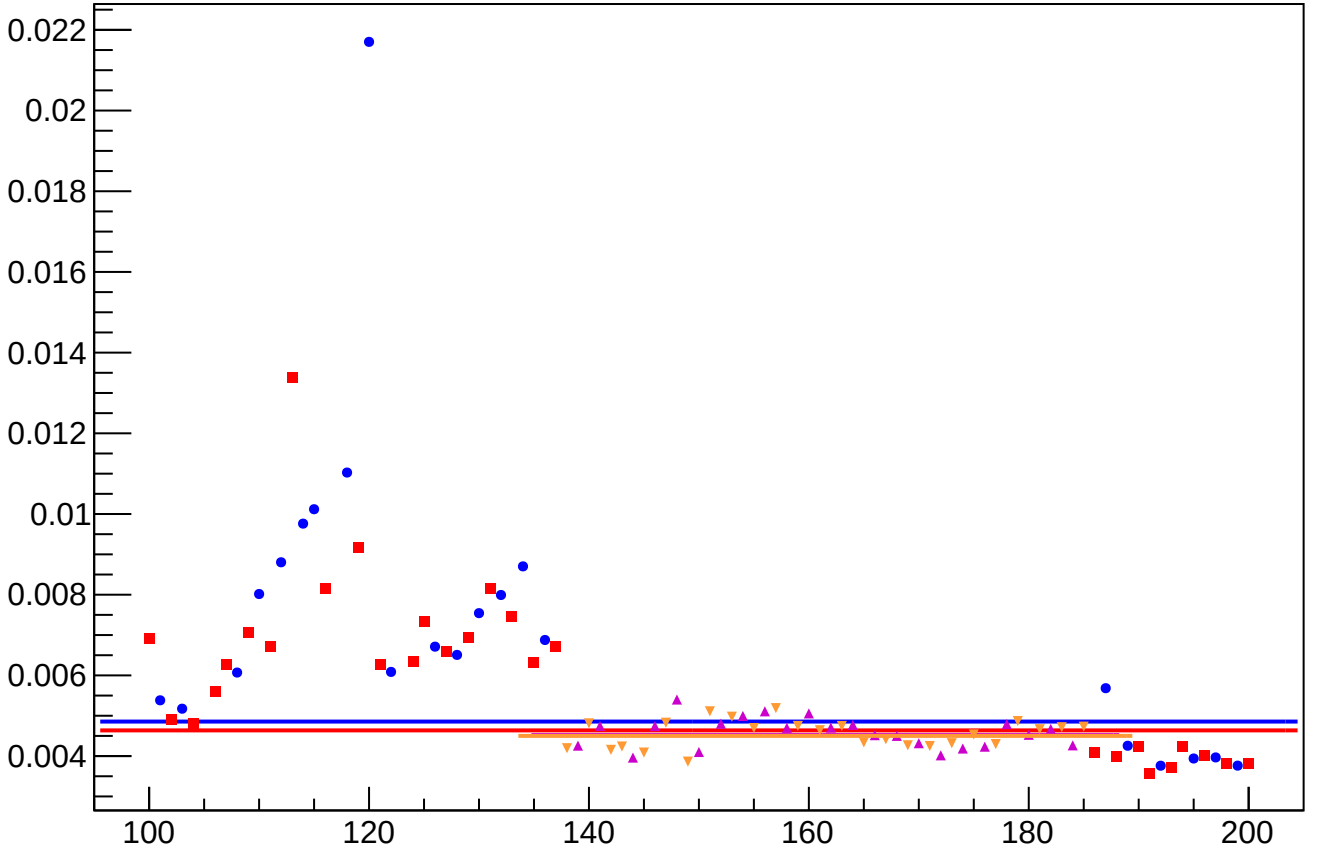
Right: -1.237+/-0.000 χ^2/NDF: 99244437029.5/49

In: -0.683+/-0.000 χ^2/NDF:198516393398.7/44

Out: -0.753+/-0.000 χ^2/NDF:310605449582.7/52

All: -0.721+/-0.000 χ^2/NDF: 512314301936.8

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1993028.2/21

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

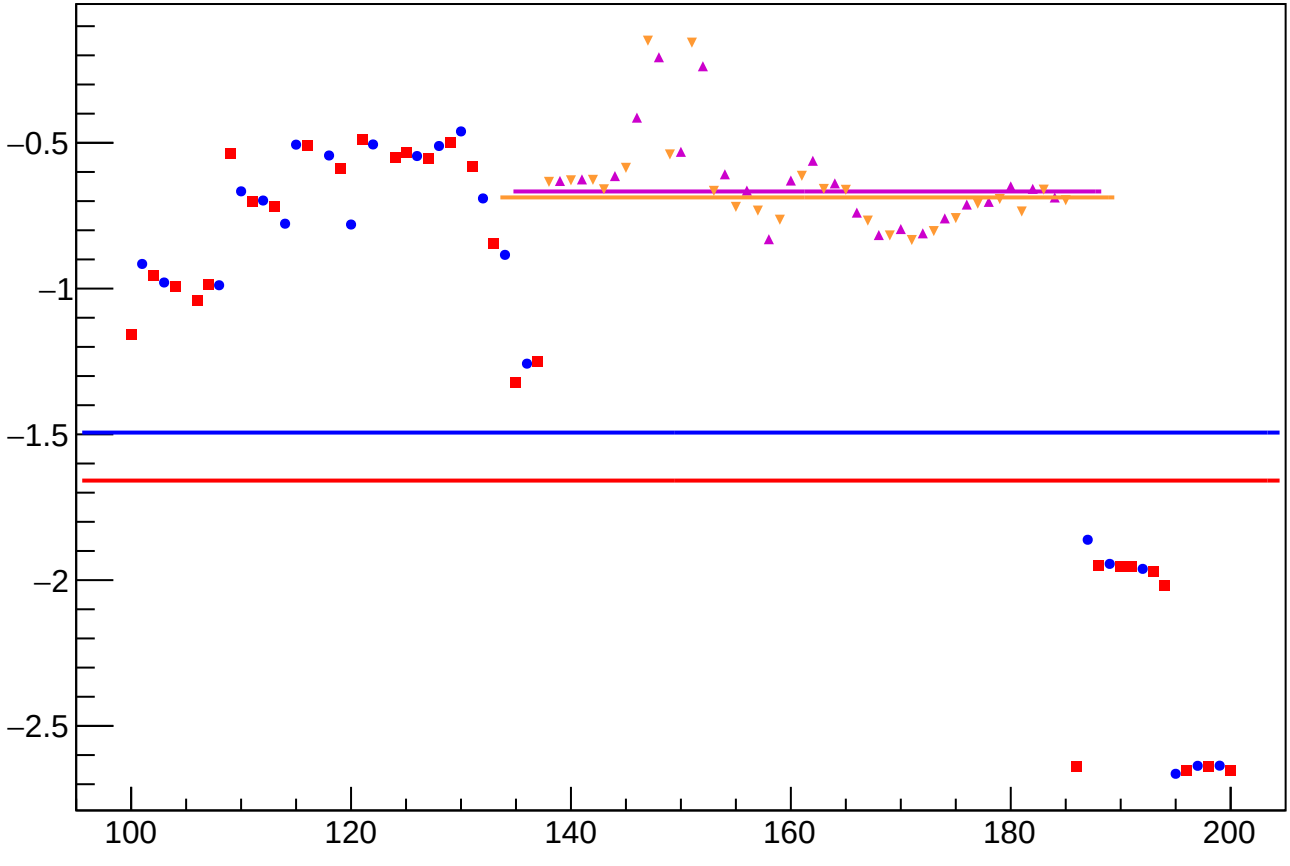
Right: 0.005+/-0.000 χ^2/NDF: 3824333.7/49

In: 0.005+/-0.000 χ^2/NDF:2263489.8/44

Out: 0.005+/-0.000 χ^2/NDF:2011454.6/52

All: 0.005+/-0.000 χ^2/NDF: 4282321.3/97

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.494+/-0.000 χ^2/NDF: 183981824247.6/21

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

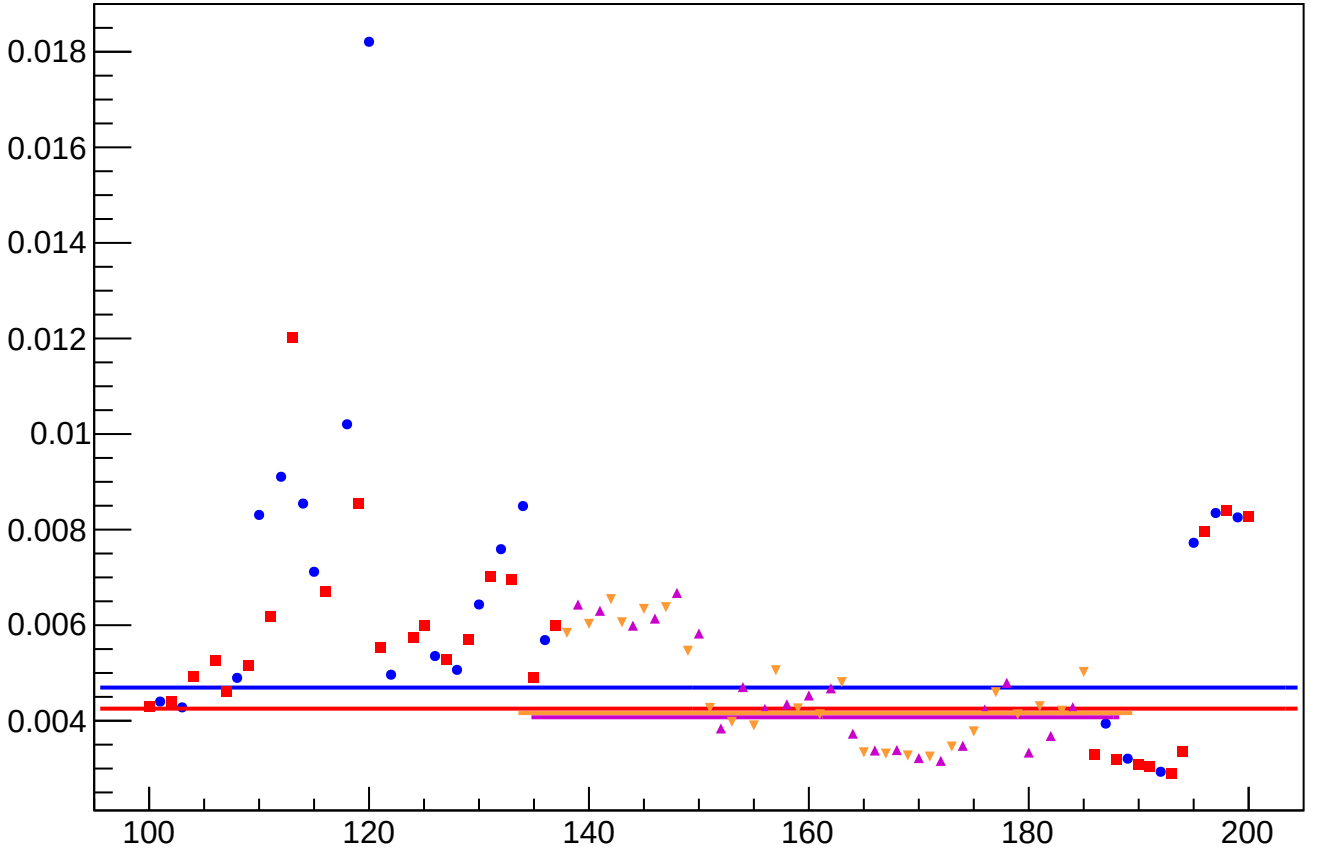
Right: -1.592+/-0.000 χ^2/NDF: 451965643707.8/49

In: -0.910+/-0.000 χ^2/NDF:397685892057.0/44

Out: -1.056+/-0.000 χ^2/NDF:629276275182.0/52

All: -0.988+/-0.000 χ^2/NDF: 1042340952982

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3019233.9/21

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

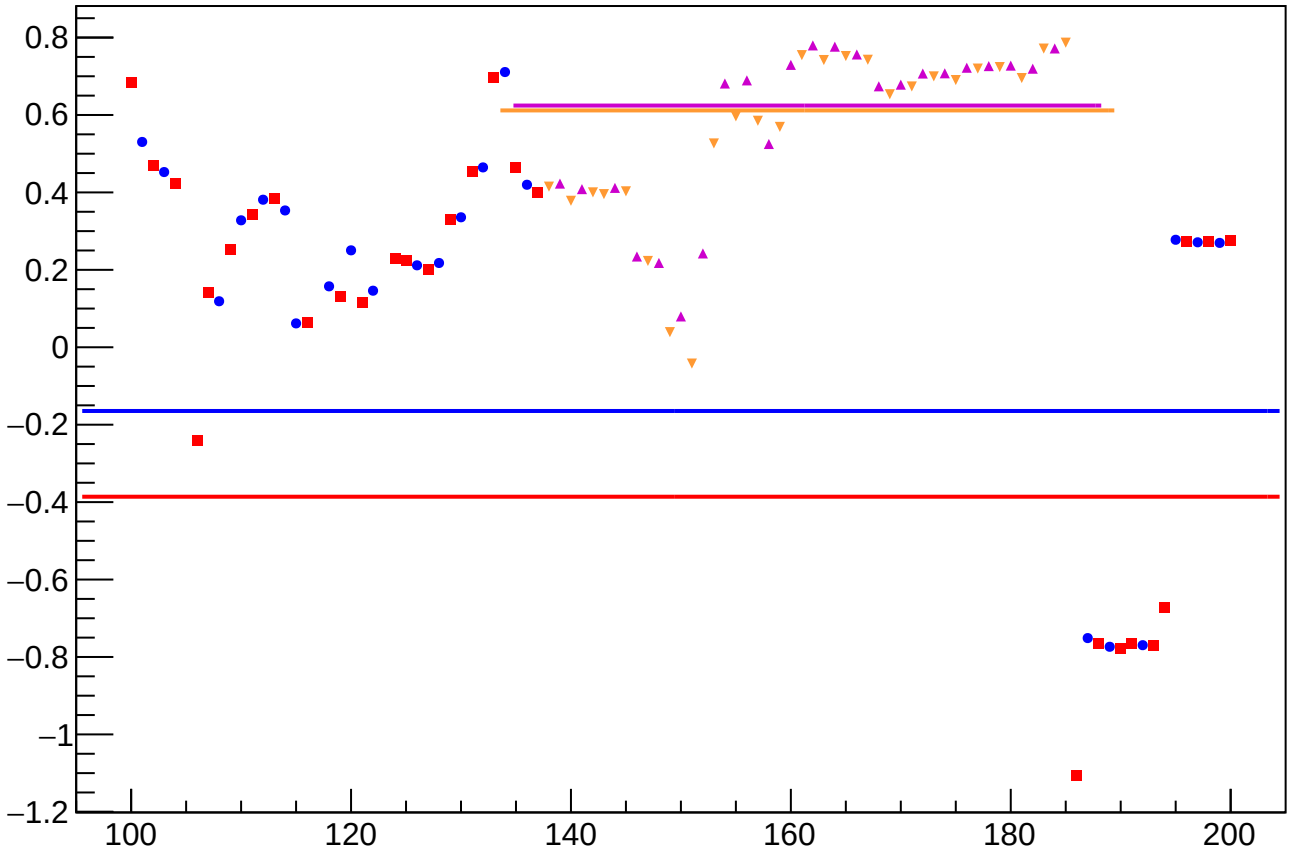
Right: 0.004+/-0.000 χ^2/NDF: 6277024.8/49

In: 0.004+/-0.000 χ^2/NDF:4985737.4/44

Out: 0.004+/-0.000 χ^2/NDF:4692129.6/52

All: 0.004+/-0.000 χ^2/NDF: 9682979.0/97

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.165+/-0.000 χ^2/NDF: 282939591337.1/21

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

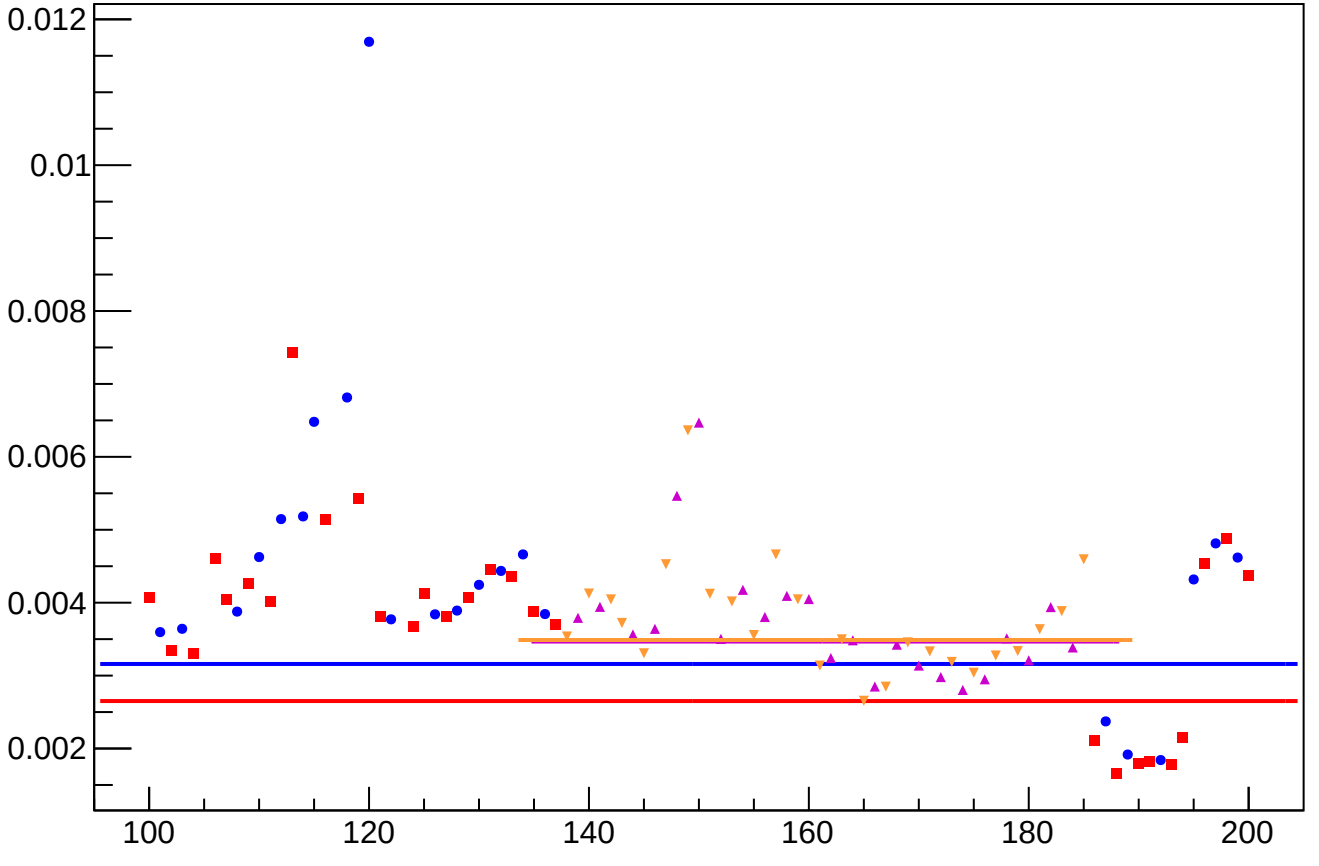
Right: -0.302+/-0.000 χ^2/NDF: 747532592063.6/49

In: 0.297+/-0.000 χ^2/NDF:650120315159.3/44

Out: 0.085+/-0.000 χ^2/NDF:1175958814199.6/52

All: 0.178+/-0.000 χ^2/NDF: 1880963209278.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2936133.9/21

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

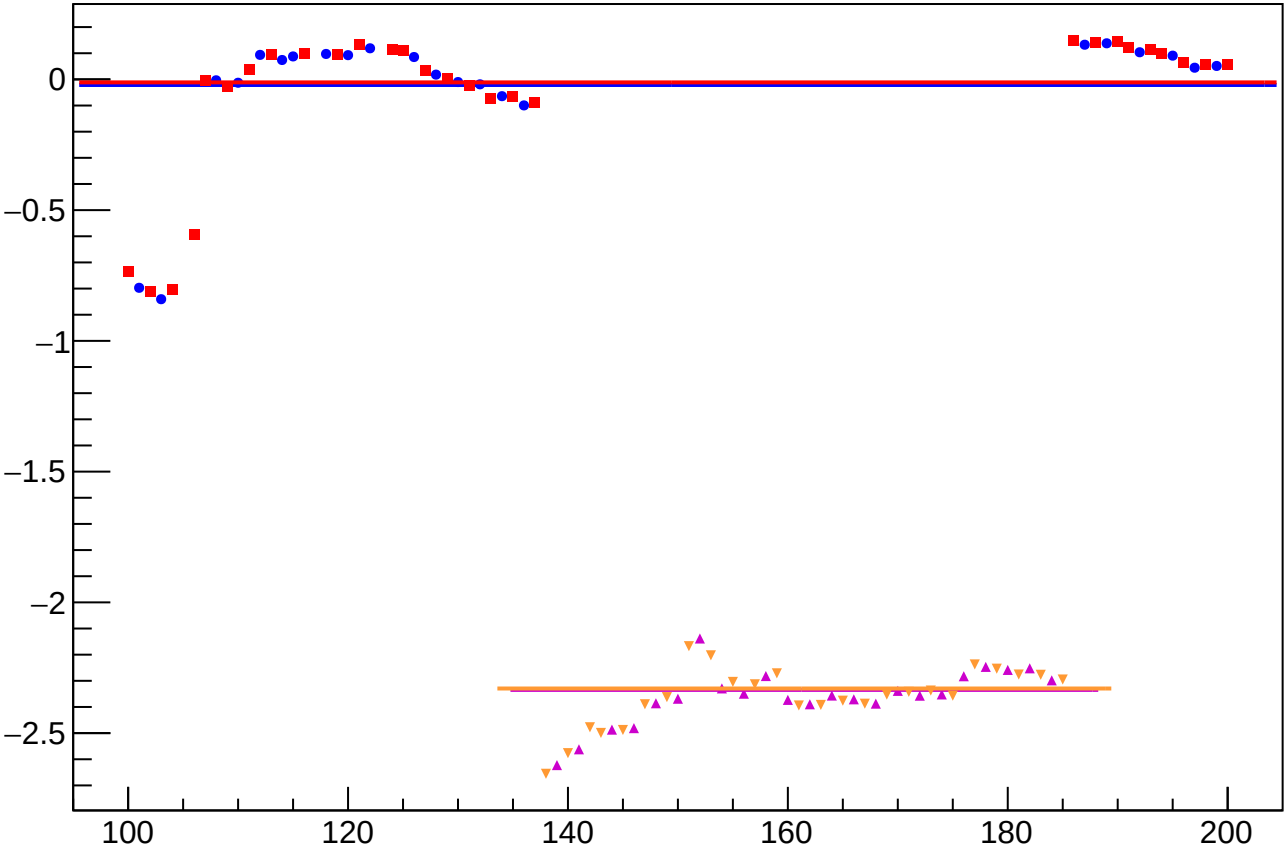
Right: 0.003+/-0.000 χ^2/NDF: 7166920.1/49

In: 0.003+/-0.000 χ^2/NDF:3929528.0/44

Out: 0.003+/-0.000 χ^2/NDF:5768531.9/52

All: 0.003+/-0.000 χ^2/NDF: 9907571.8/97

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.000 χ^2/NDF: 6322507723.8/21

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

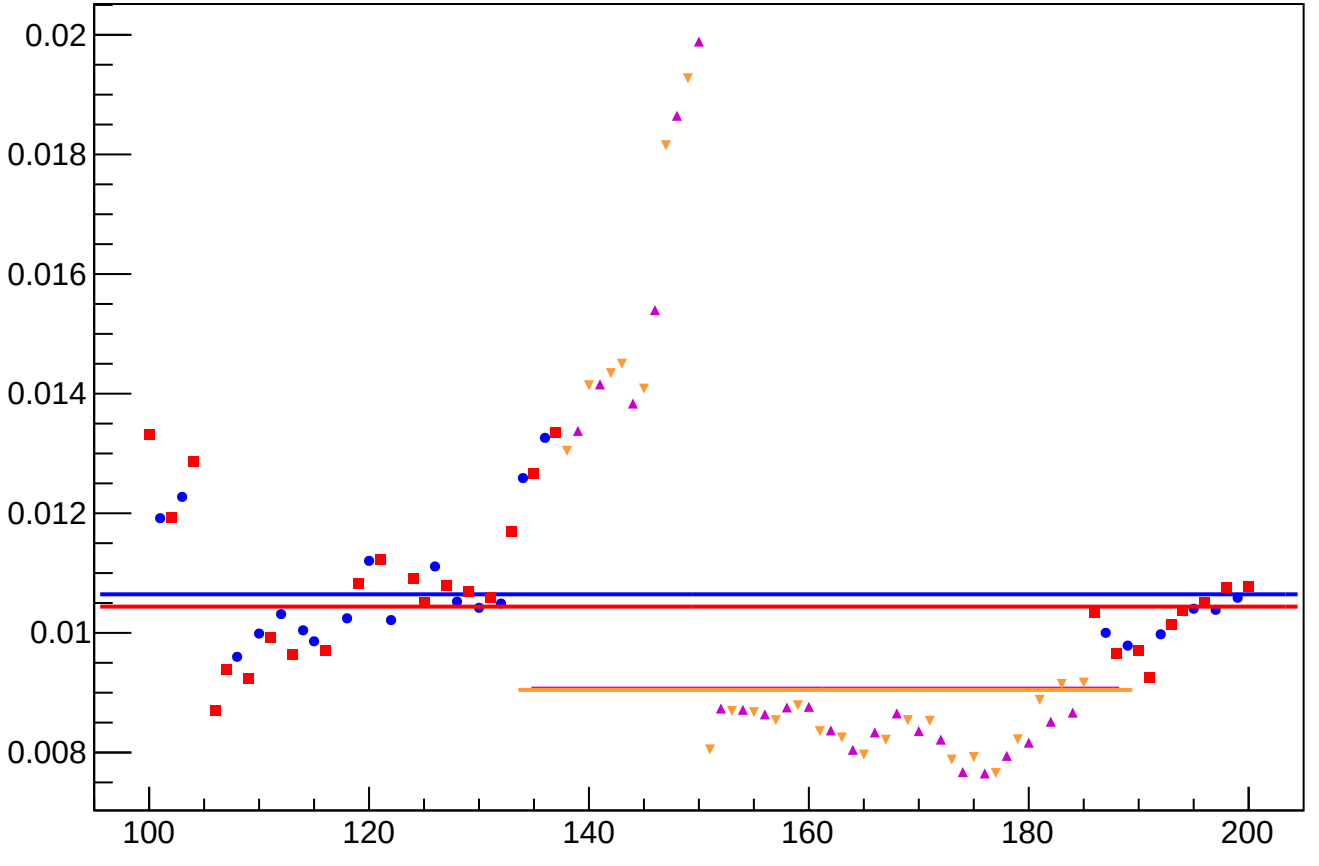
Right: -0.016+/-0.000 χ^2/NDF: 13993562665.5/49

In: -1.583+/-0.000 χ^2/NDF:370837506346.0/44

Out: -1.499+/-0.000 χ^2/NDF:437532064703.8/52

All: -1.538+/-0.000 χ^2/NDF: 809533289332.4

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 166382.2/21

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

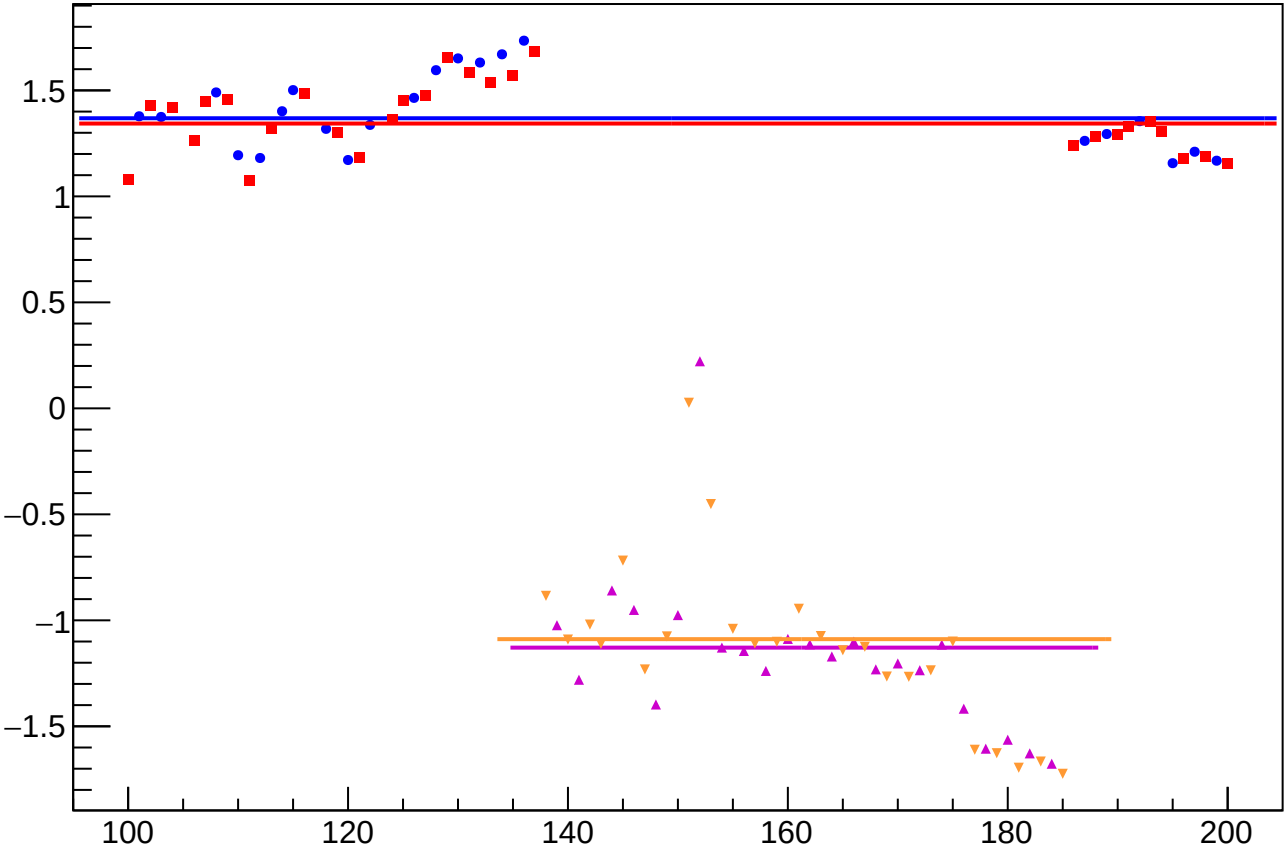
Right: 0.011+/-0.000 χ^2/NDF: 395613.8/49

In: 0.010+/-0.000 χ^2/NDF:2637867.7/44

Out: 0.010+/-0.000 χ^2/NDF:2582083.7/52

All: 0.010+/-0.000 χ^2/NDF: 5220340.4/97

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF: 6183004859.1/21

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

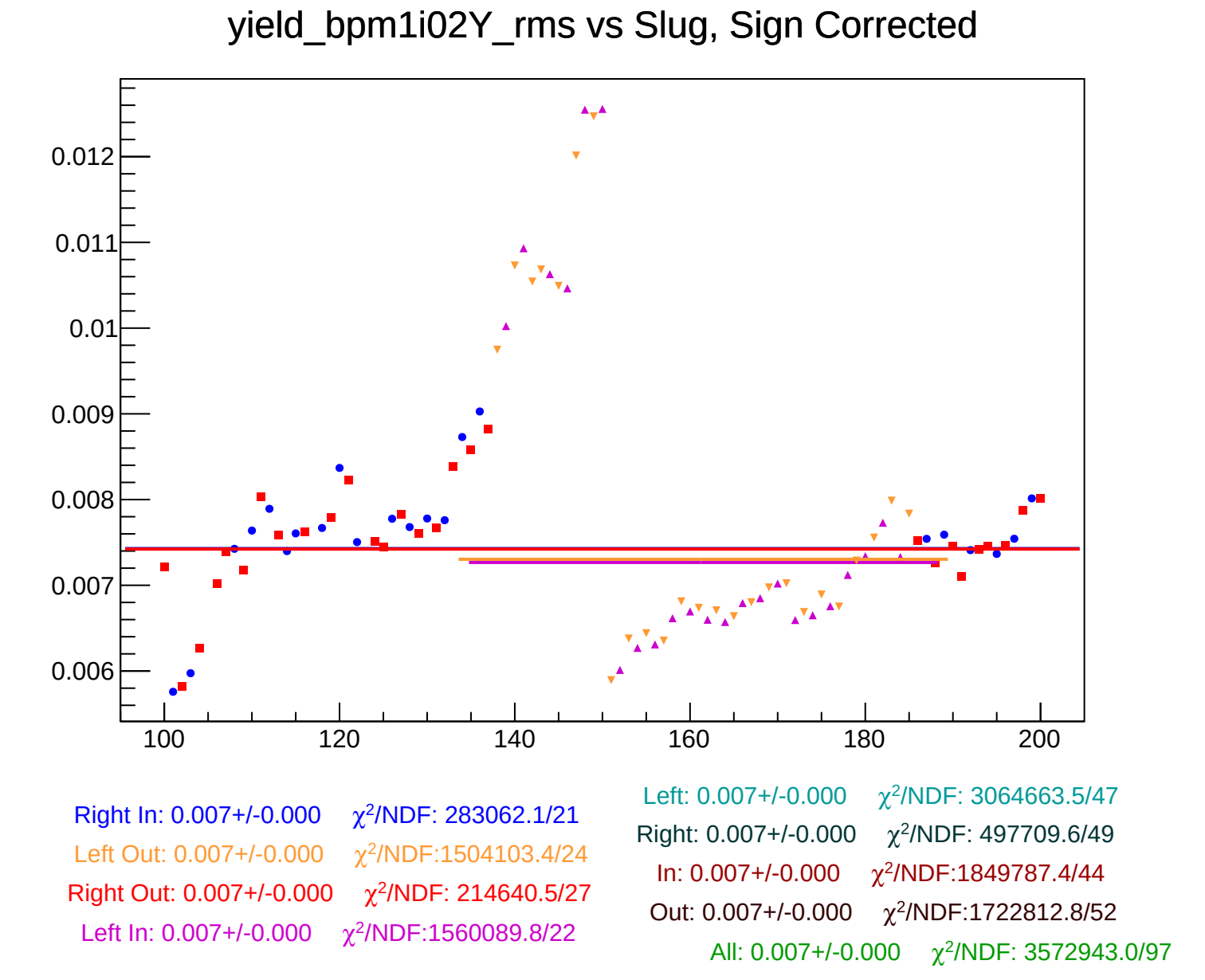
Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

Right: 1.355+/-0.000 χ^2/NDF: 11176345038.9/49

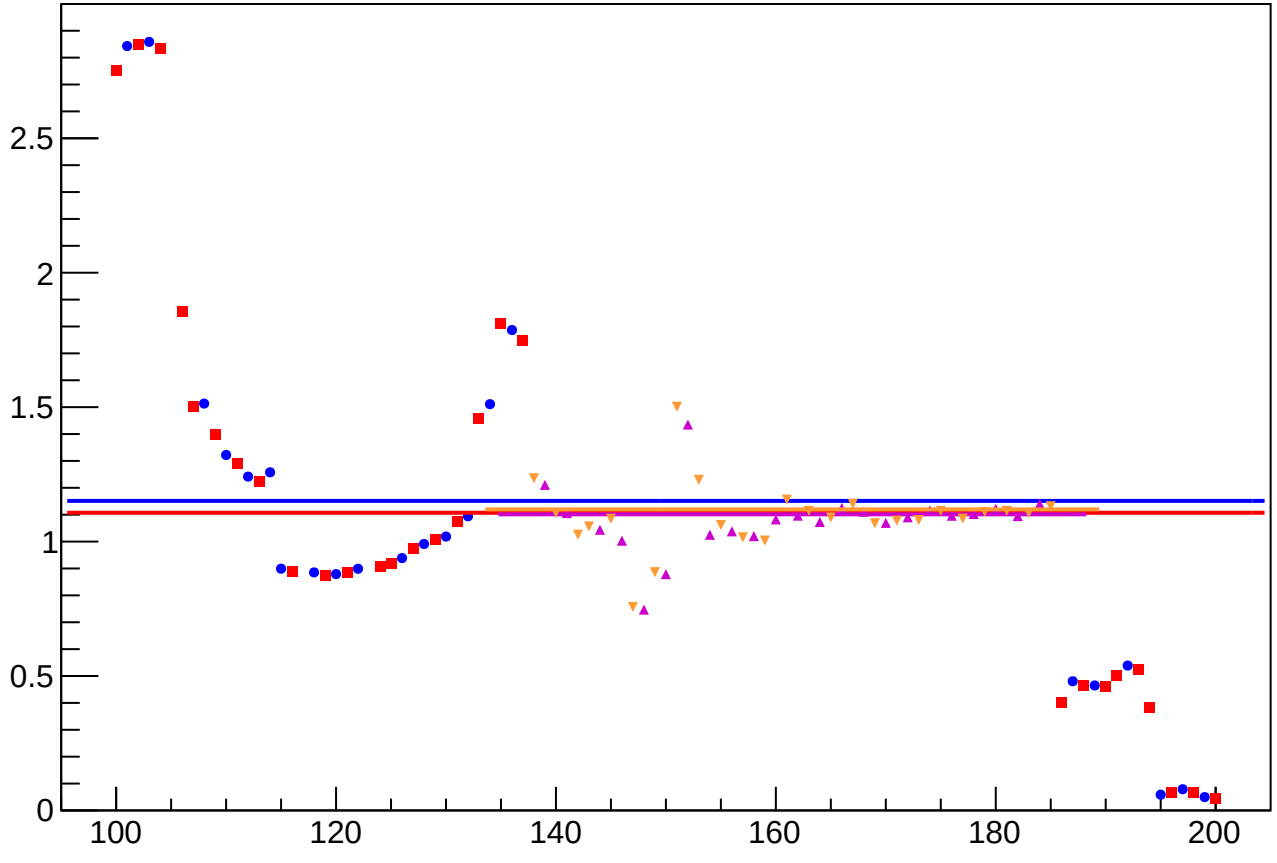
In: -0.173+/-0.000 χ^2/NDF:854459196456.6/44

Out: -0.080+/-0.000 χ^2/NDF:915953184055.9/52

All: -0.125+/-0.000 χ^2/NDF: 1772857522784


yield_bpm1i02Y_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 283062.1/21
Left Out: 0.007+/-0.000 χ²/NDF:1504103.4/24
Right Out: 0.007+/-0.000 χ²/NDF: 214640.5/27
Left In: 0.007+/-0.000 χ²/NDF:1560089.8/22
Left: 0.007+/-0.000 χ²/NDF: 3064663.5/47
Right: 0.007+/-0.000 χ²/NDF: 497709.6/49
In: 0.007+/-0.000 χ²/NDF:1849787.4/44
Out: 0.007+/-0.000 χ²/NDF:1722812.8/52
All: 0.007+/-0.000 χ²/NDF: 3572943.0/97

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.151+/-0.000 χ^2/NDF: 102021273011.8/21

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

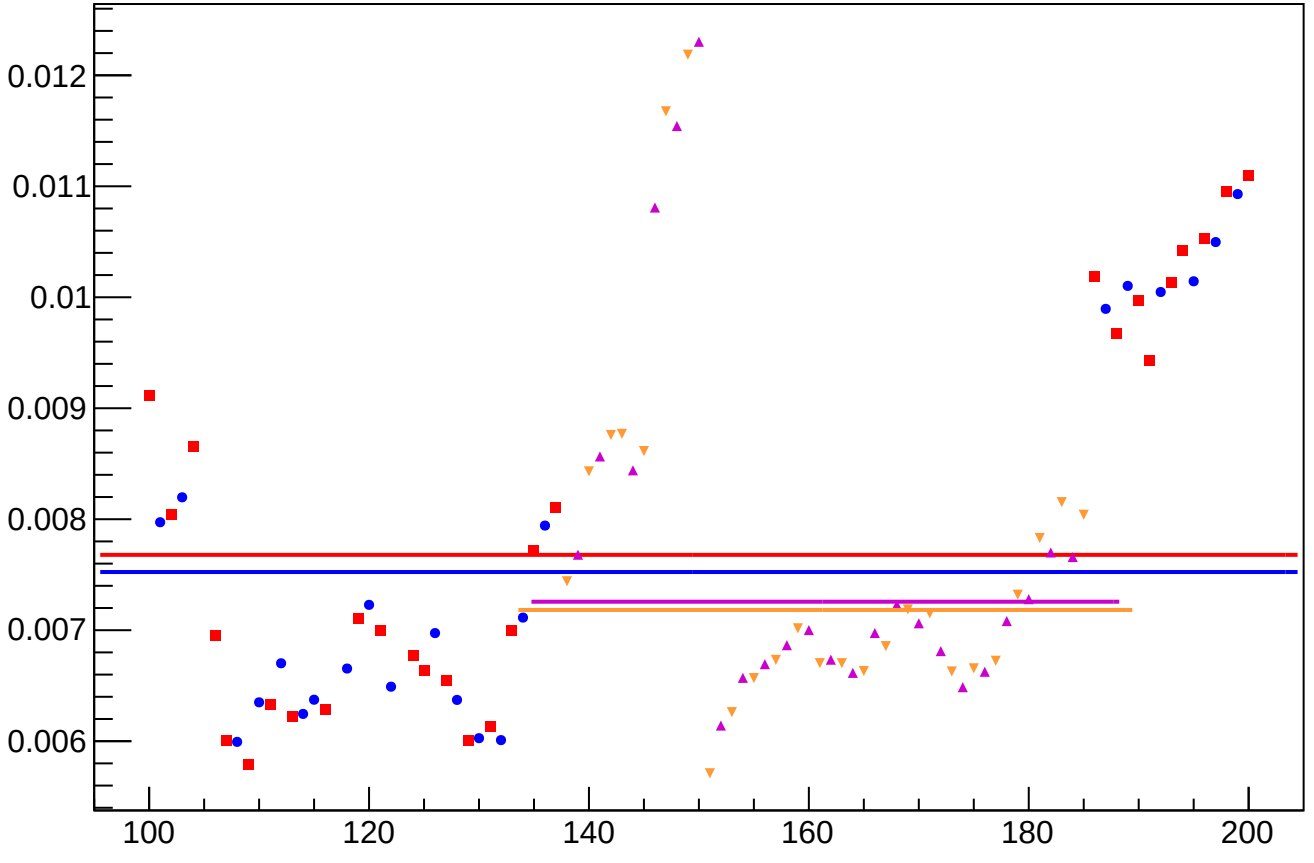
Right: 1.128+/-0.000 χ^2/NDF: 210149061006.3/49

In: 1.120+/-0.000 χ^2/NDF:106529511622.6/44

Out: 1.115+/-0.000 χ^2/NDF:113463389521.0/52

All: 1.117+/-0.000 χ^2/NDF: 219999355371.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 964664.7/21

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

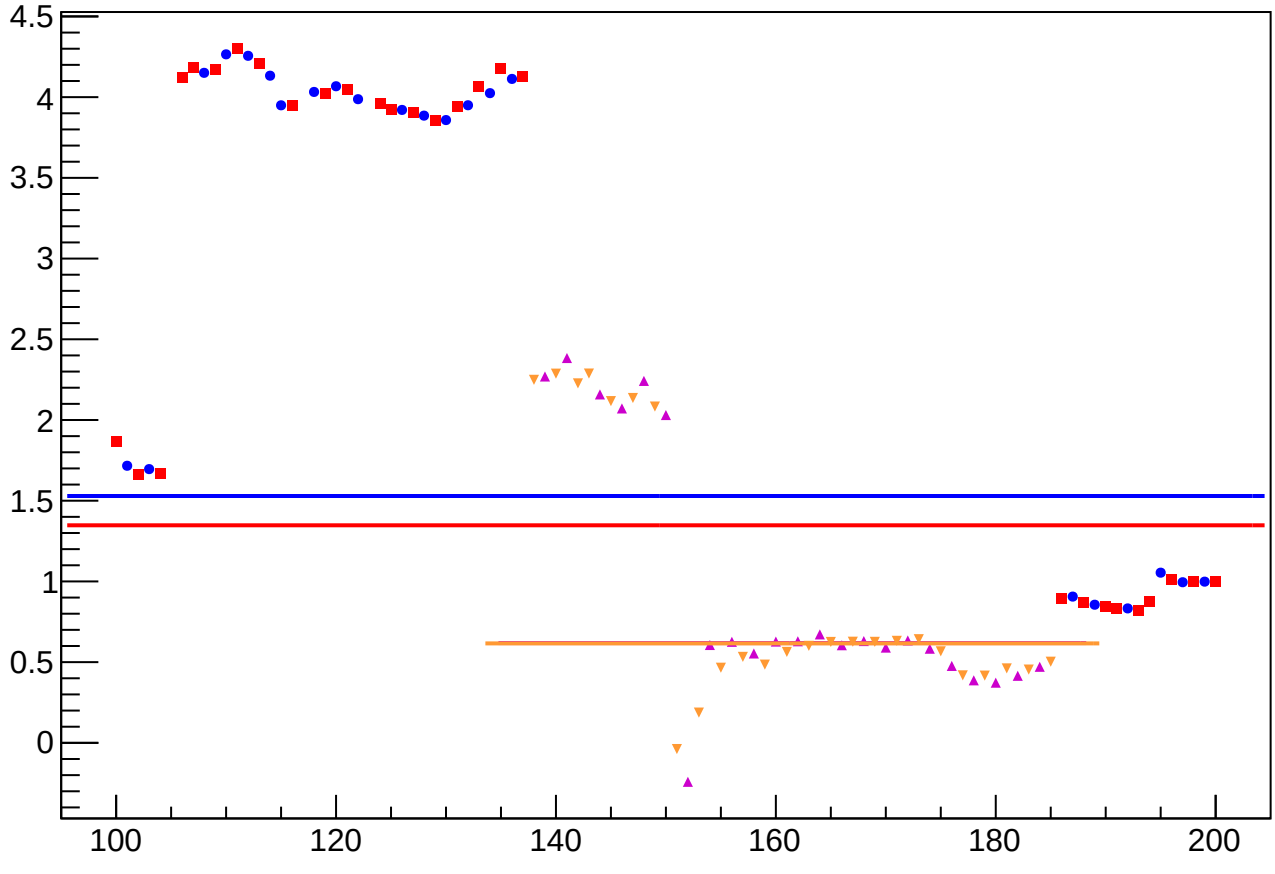
Right: 0.008+/-0.000 χ^2/NDF: 2294641.3/49

In: 0.007+/-0.000 χ^2/NDF:1898916.7/44

Out: 0.007+/-0.000 χ^2/NDF:2285984.2/52

All: 0.007+/-0.000 χ^2/NDF: 4185045.9/97

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.529+/-0.000 χ^2/NDF: 1465547407046.5/21

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

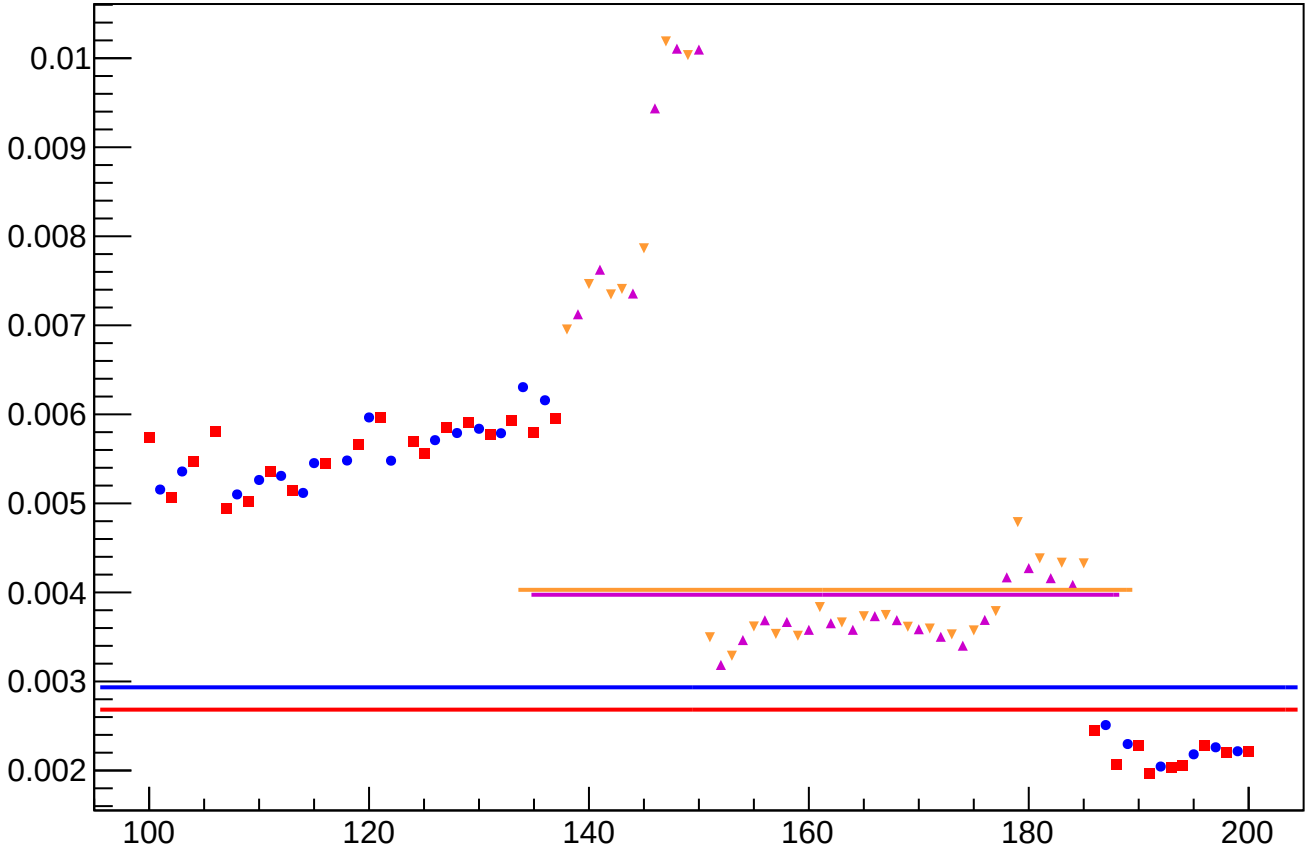
Right: 1.422+/-0.000 χ^2/NDF: 3199148488279.4/49

In: 1.078+/-0.000 χ^2/NDF:2150376262182.6/44

Out: 1.046+/-0.000 χ^2/NDF:2297359064196.0/52

All: 1.060+/-0.000 χ^2/NDF: 4448960588422.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4197898.7/21

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

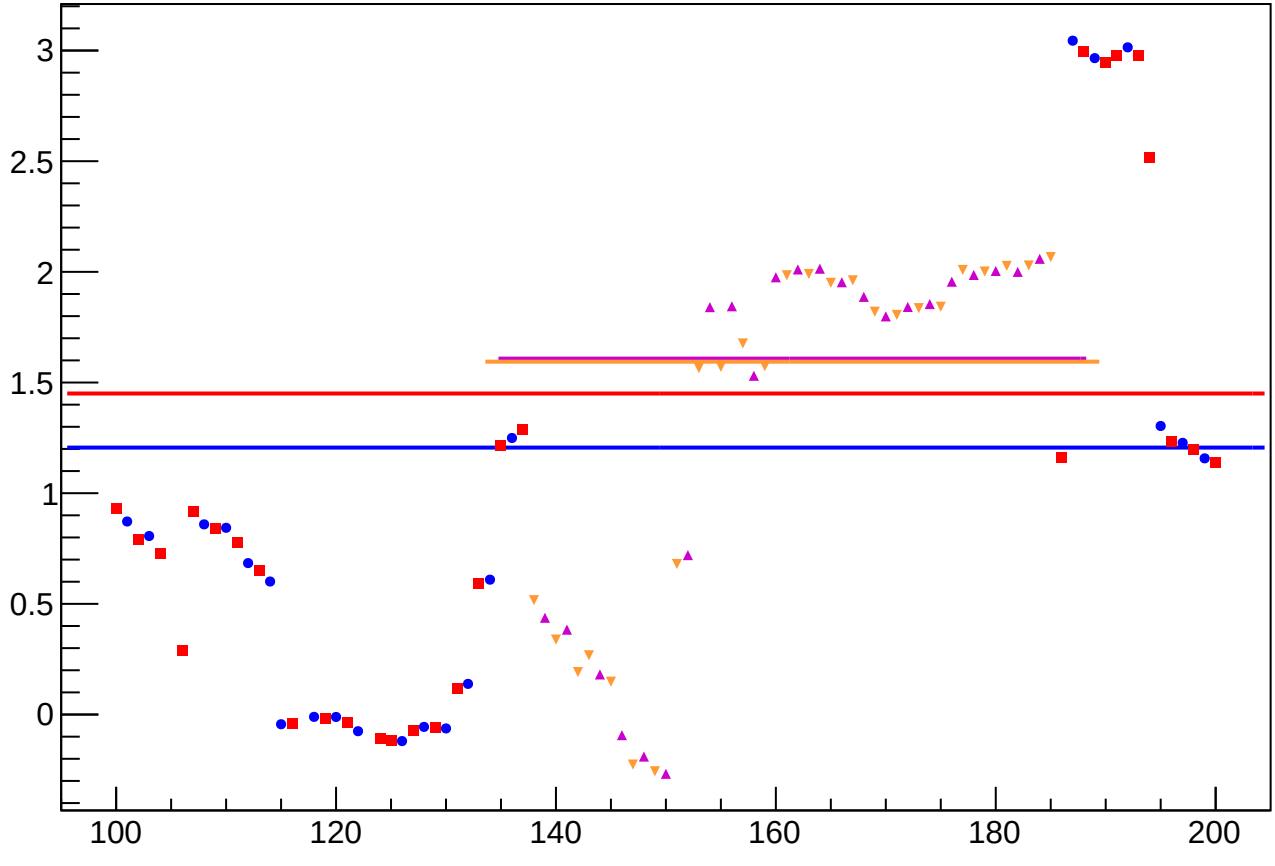
Right: 0.003+/-0.000 χ^2/NDF: 8939114.8/49

In: 0.003+/-0.000 χ^2/NDF:8441568.4/44

Out: 0.003+/-0.000 χ^2/NDF:9875901.1/52

All: 0.003+/-0.000 χ^2/NDF: 18418397.3/97

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.206+/-0.000 χ^2/NDF: 77470923246.9/21

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

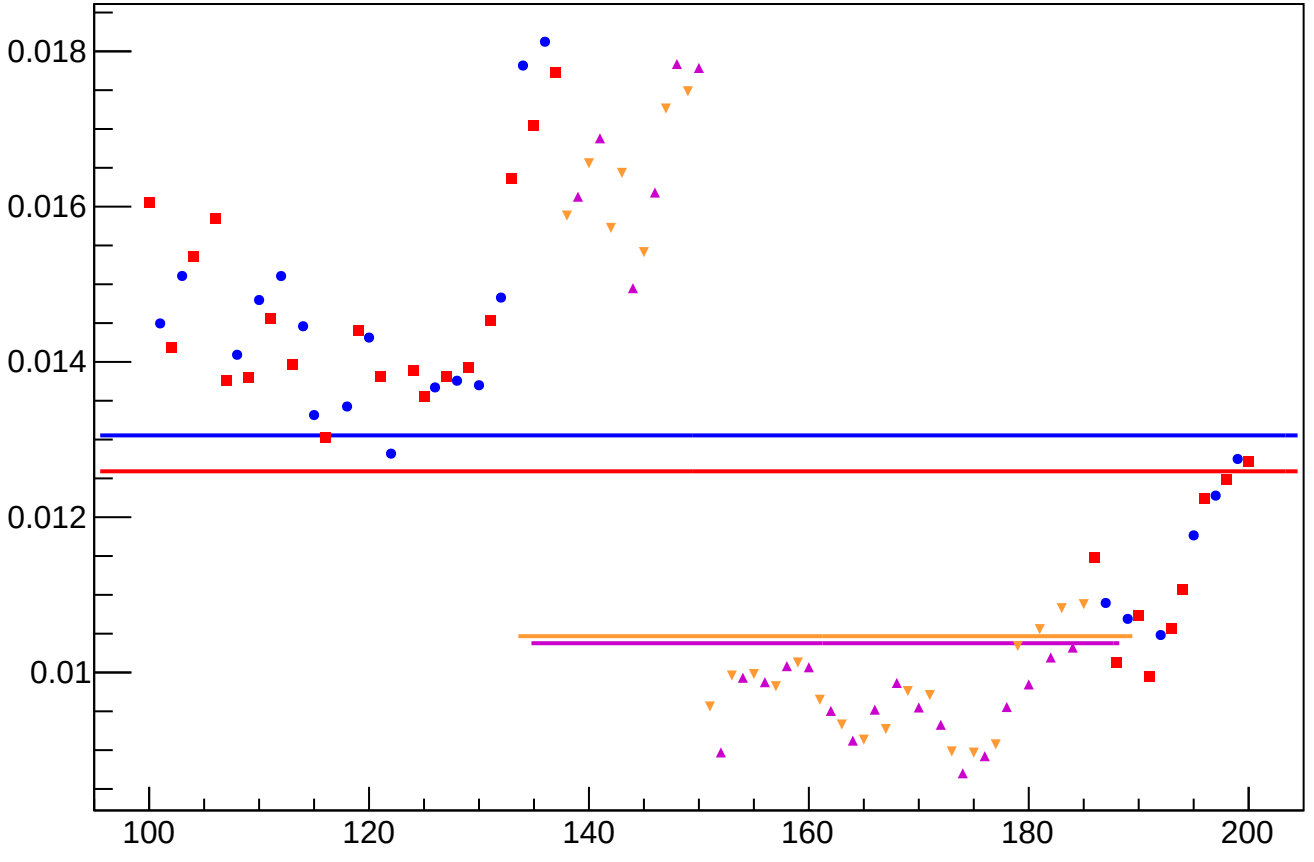
Right: 1.343+/-0.000 χ^2/NDF: 183515128563.2/49

In: 1.492+/-0.000 χ^2/NDF:151390776256.4/44

Out: 1.546+/-0.000 χ^2/NDF:167636121290.2/52

All: 1.520+/-0.000 χ^2/NDF: 319383630551.0

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 494772.0/21

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

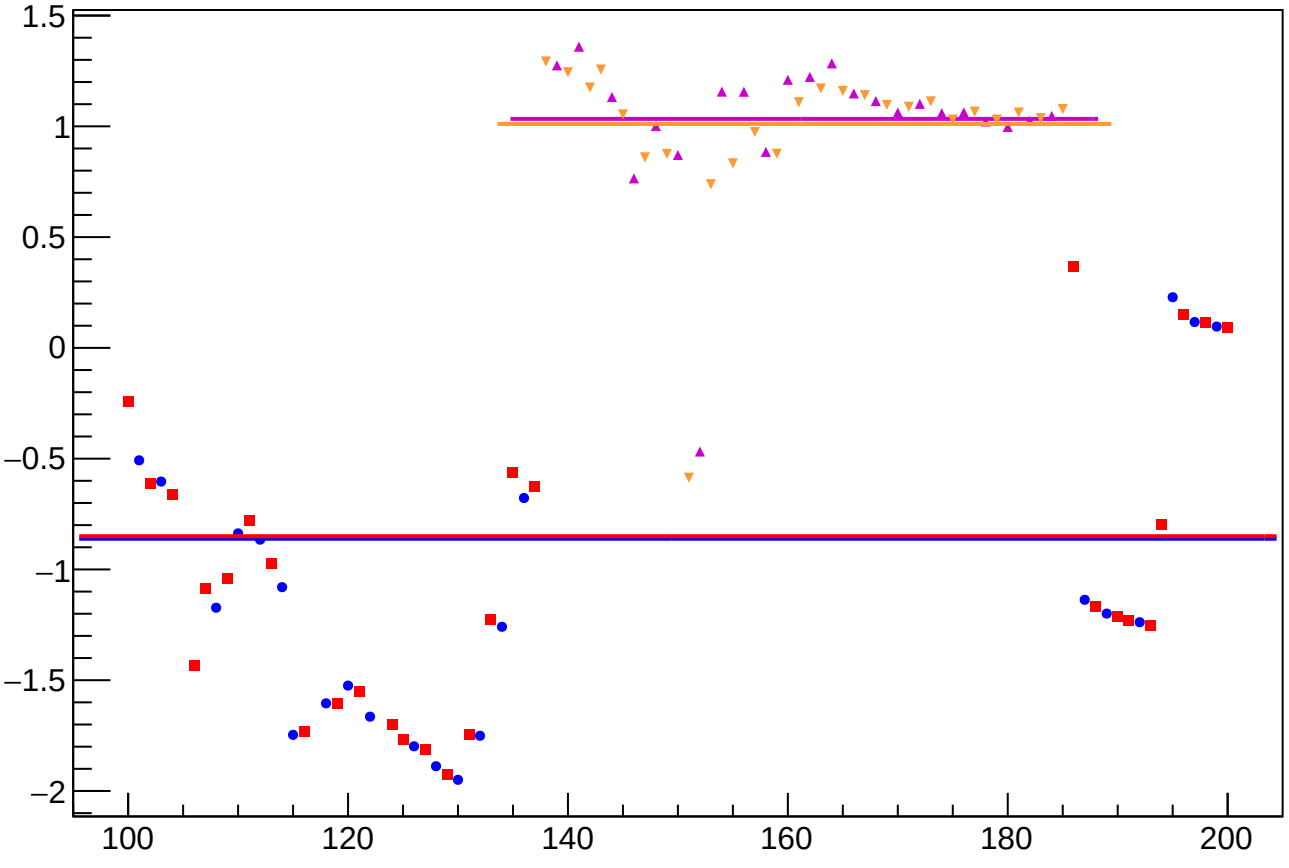
Right: 0.013+/-0.000 χ^2/NDF: 1099784.6/49

In: 0.011+/-0.000 χ^2/NDF:2871733.0/44

Out: 0.011+/-0.000 χ^2/NDF:2750448.5/52

All: 0.011+/-0.000 χ^2/NDF: 5622285.9/97

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.861+/-0.000 χ^2/NDF: 132776151587.8/21

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

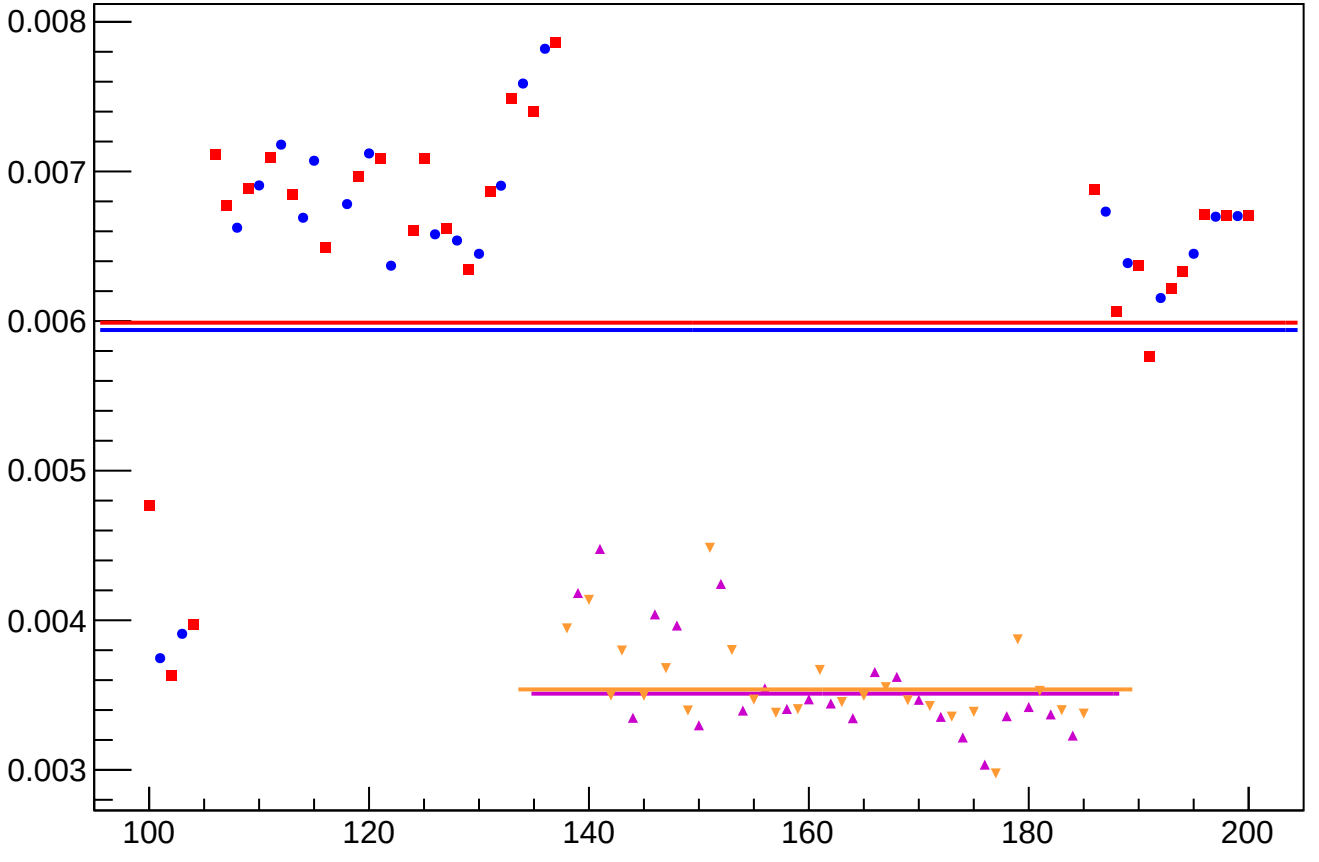
Right: -0.855+/-0.000 χ^2/NDF: 262992826529.3/49

In: 0.692+/-0.000 χ^2/NDF:1128302024331.0/44

Out: 0.644+/-0.000 χ^2/NDF:1200969651605.5/52

All: 0.667+/-0.000 χ^2/NDF: 2331258787669.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1037562.5/21

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

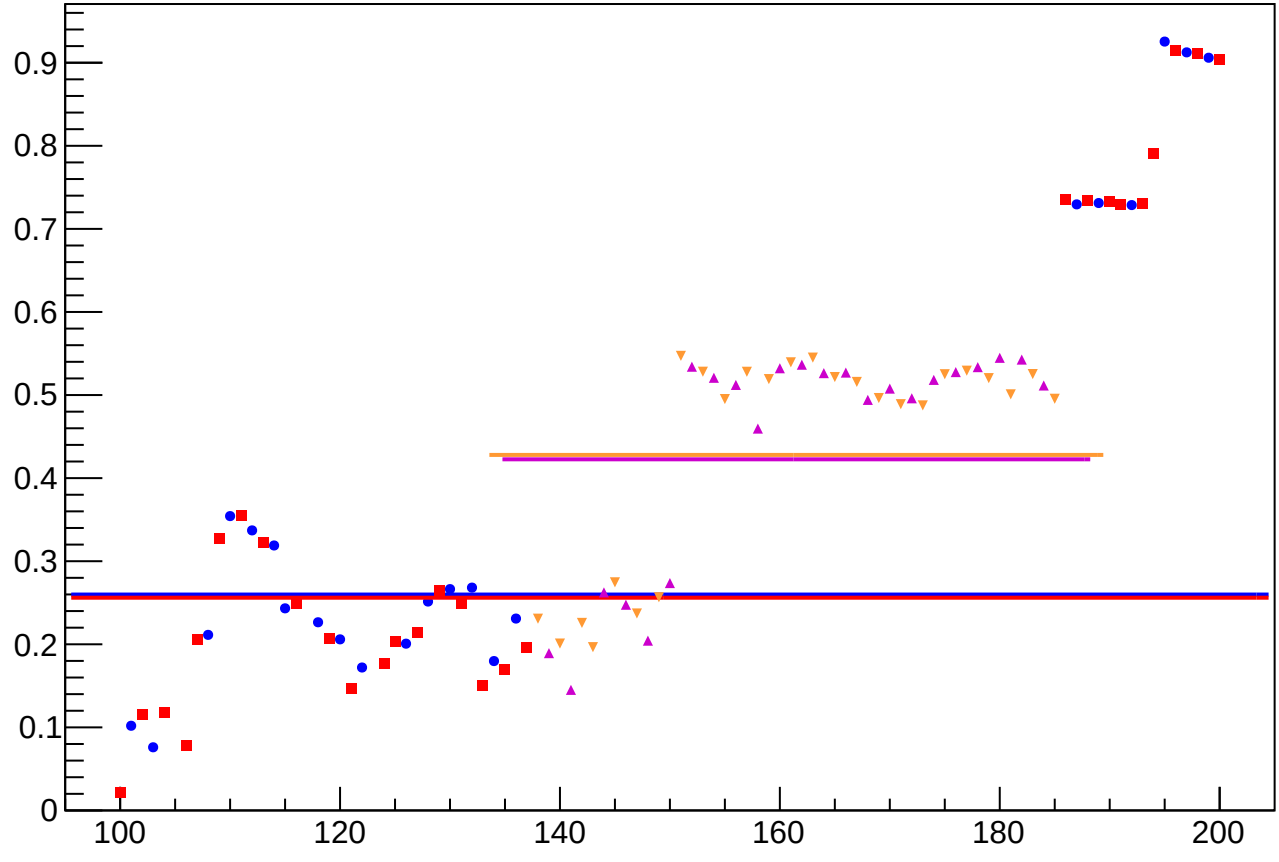
Right: 0.006+/-0.000 χ^2/NDF: 2136682.5/49

In: 0.004+/-0.000 χ^2/NDF:4185472.2/44

Out: 0.004+/-0.000 χ^2/NDF:4643985.5/52

All: 0.004+/-0.000 χ^2/NDF: 8838723.7/97

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.260+/-0.000 χ^2/NDF: 106287605521.2/21

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

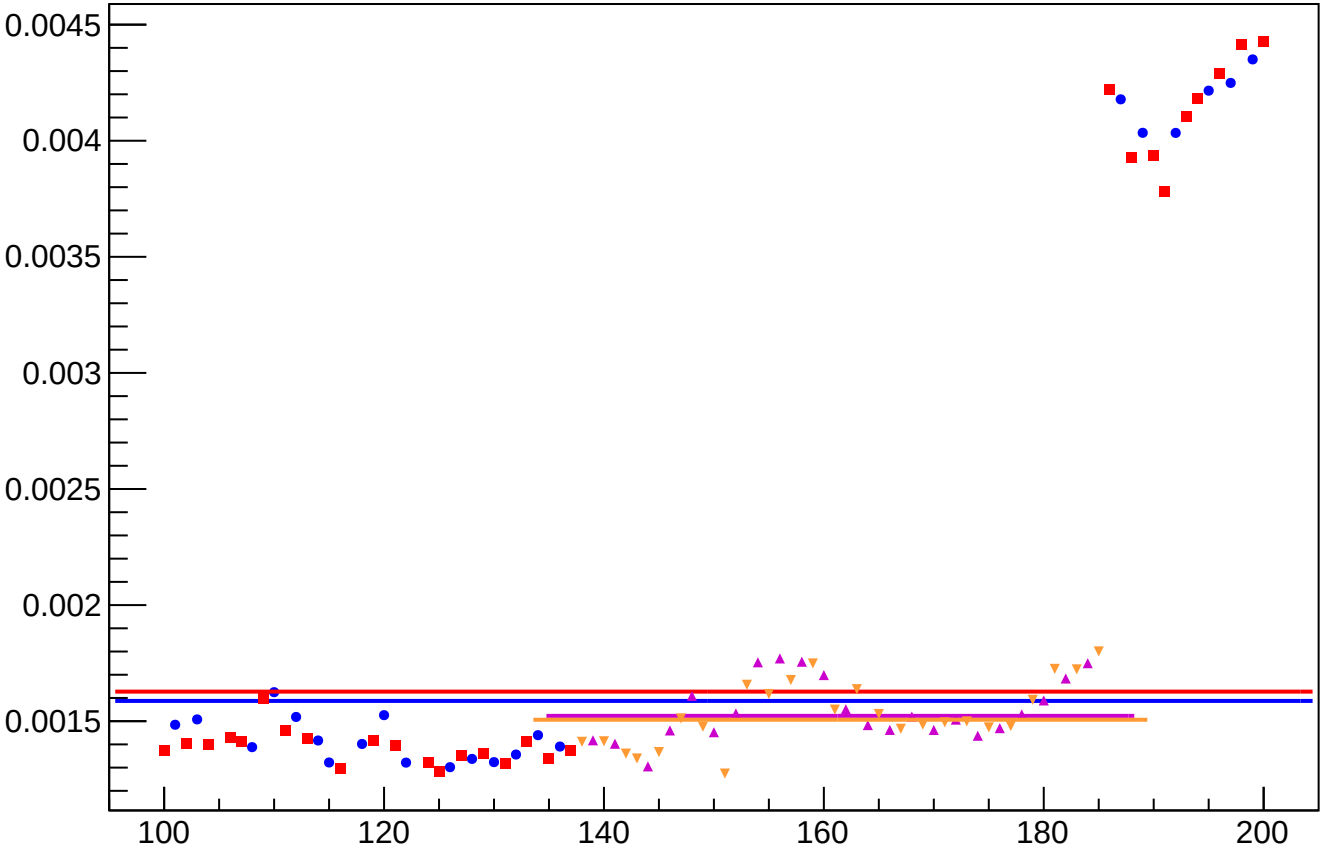
Right: 0.258+/-0.000 χ^2/NDF: 248979841955.2/49

In: 0.369+/-0.000 χ^2/NDF:331402502481.7/44

Out: 0.371+/-0.000 χ^2/NDF:378498727020.0/52

All: 0.370+/-0.000 χ^2/NDF: 709916194537.3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3577466.2/21

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

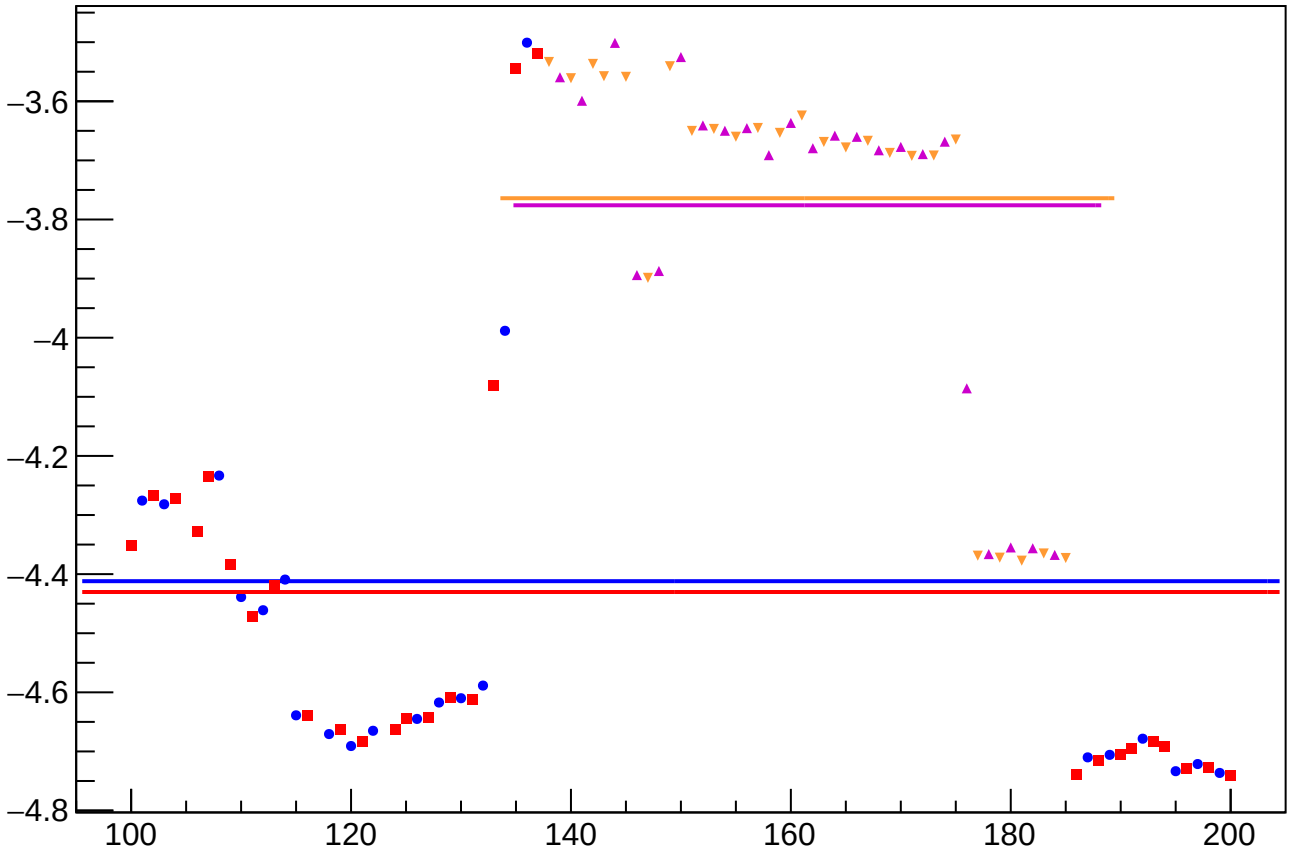
Right: 0.002+/-0.000 χ^2/NDF: 8651512.9/49

In: 0.002+/-0.000 χ^2/NDF:3833086.8/44

Out: 0.002+/-0.000 χ^2/NDF:5428109.3/52

All: 0.002+/-0.000 χ^2/NDF: 9261265.7/97

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.412+/-0.000 χ^2/NDF: 394710737256.9/21

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

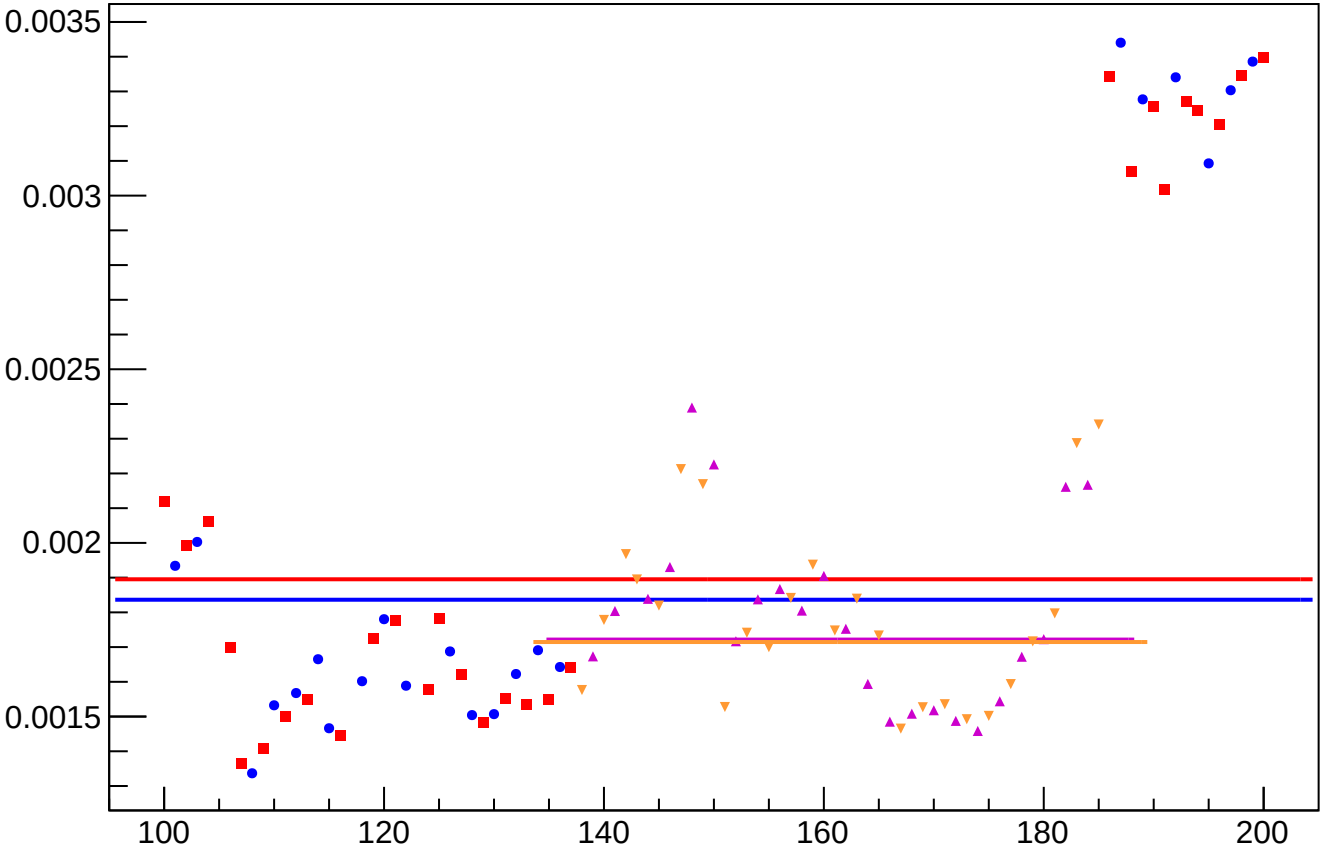
Right: -4.422+/-0.000 χ^2/NDF: 748684610823.9/49

In: -3.990+/-0.000 χ^2/NDF:1604843143339.0/44

Out: -3.994+/-0.000 χ^2/NDF:1804395385348.7/52

All: -3.992+/-0.000 χ^2/NDF: 3409316256266

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2029339.8/21

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

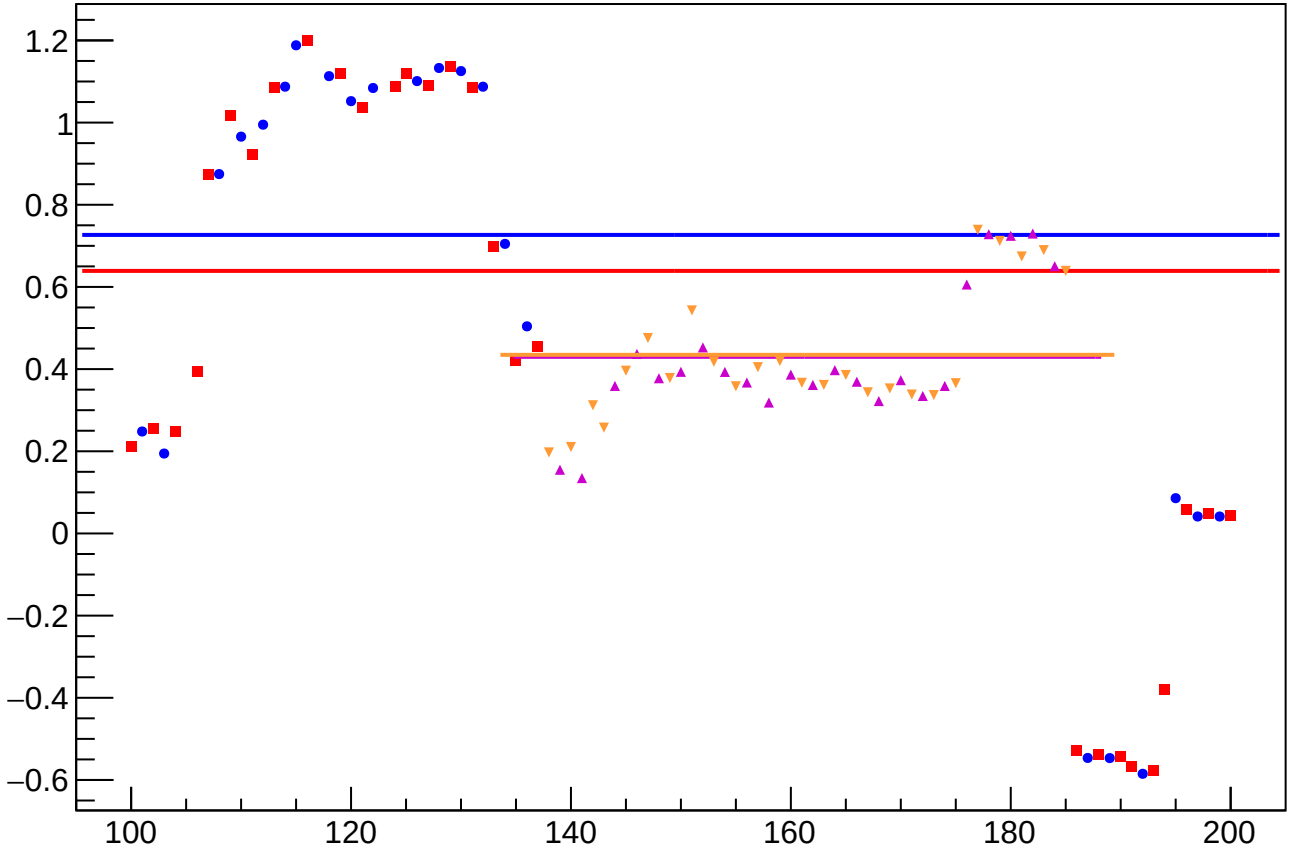
Right: 0.002+/-0.000 χ^2/NDF: 4801947.0/49

In: 0.002+/-0.000 χ^2/NDF:2663780.4/44

Out: 0.002+/-0.000 χ^2/NDF:3466268.8/52

All: 0.002+/-0.000 χ^2/NDF: 6132648.8/97

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.727+/-0.000 χ^2/NDF: 56530654046.5/21

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

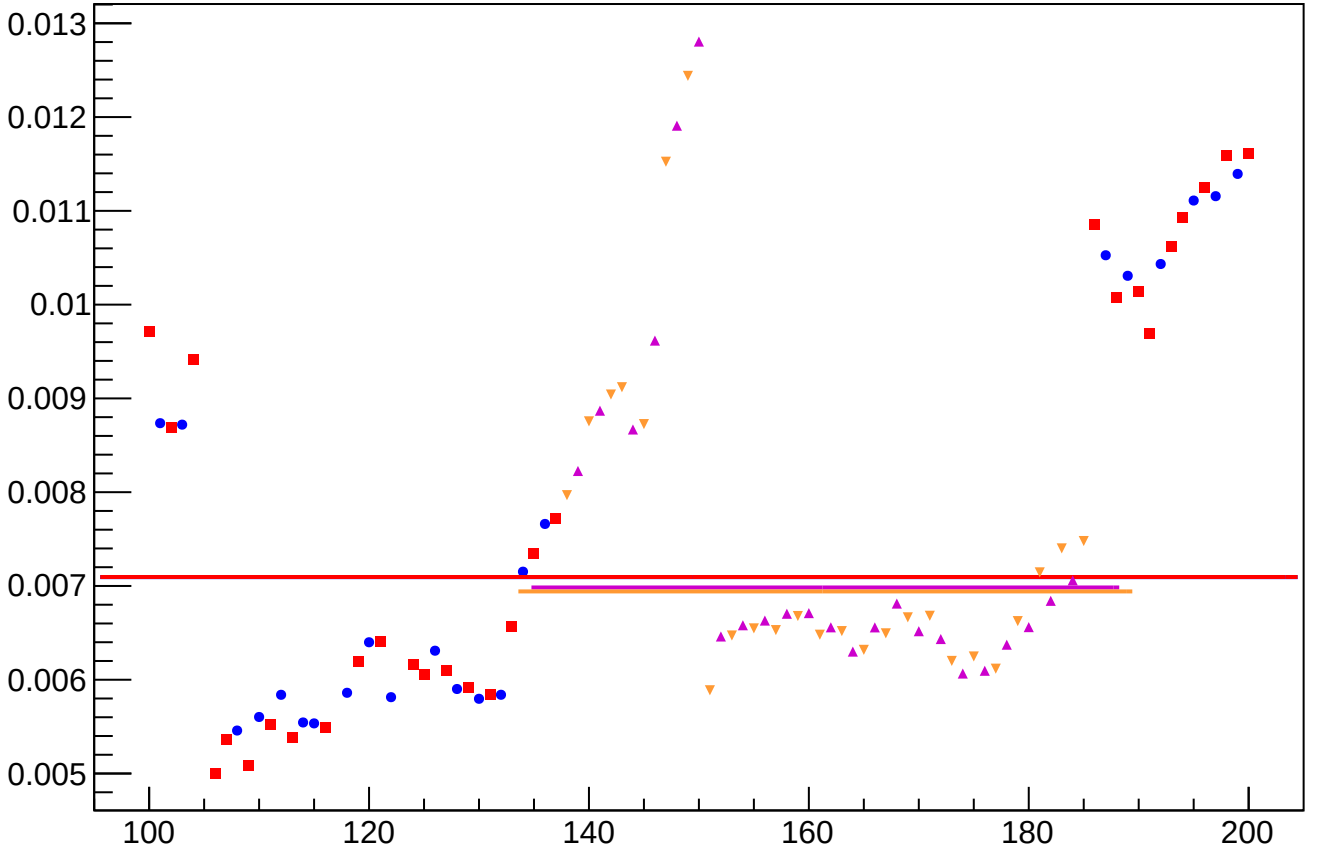
Right: 0.679+/-0.000 χ^2/NDF: 138535287876.3/49

In: 0.539+/-0.000 χ^2/NDF:77344855158.0/44

Out: 0.514+/-0.000 χ^2/NDF:95957194594.6/52

All: 0.526+/-0.000 χ^2/NDF: 173491089394.9

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1593352.8/21

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

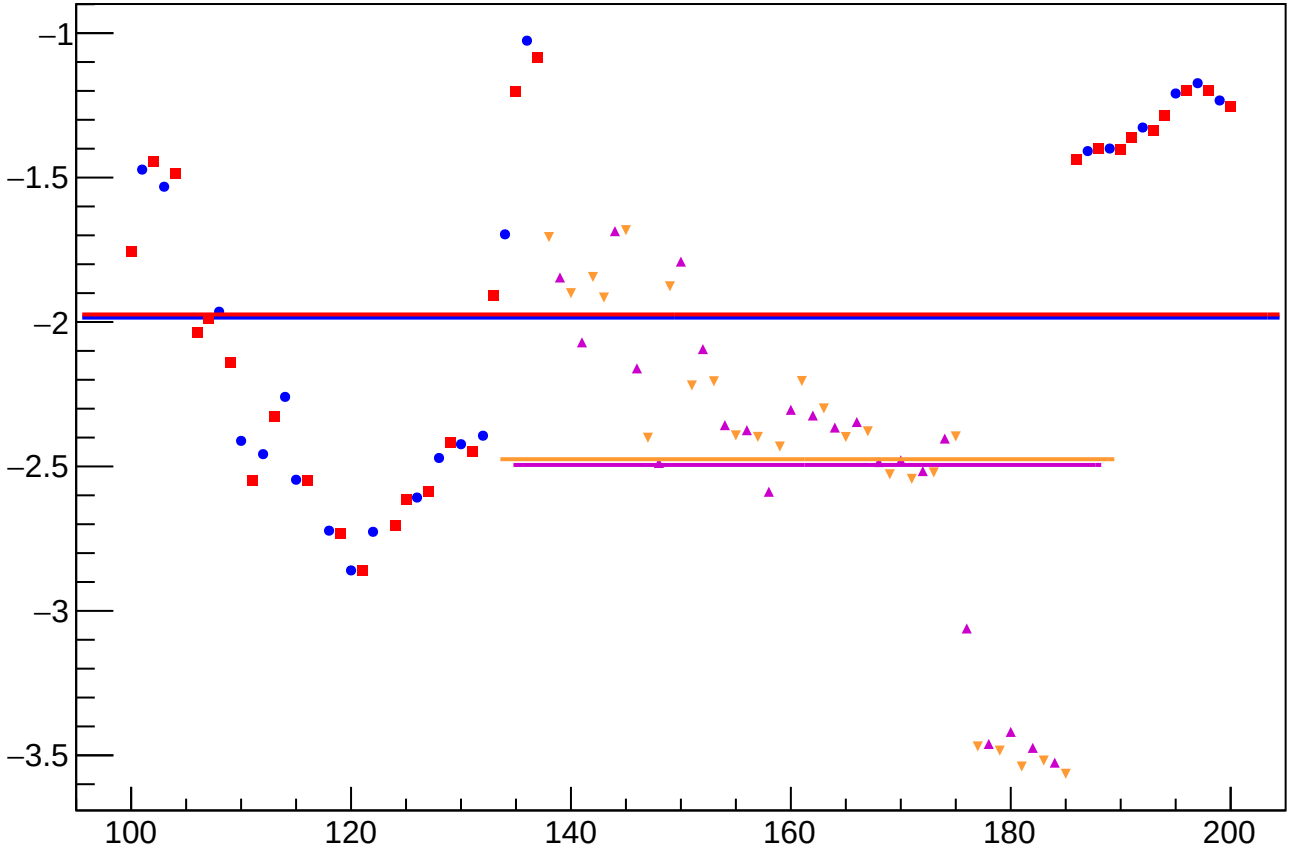
Right: 0.007+/-0.000 χ^2/NDF: 3921105.2/49

In: 0.007+/-0.000 χ^2/NDF:2733125.8/44

Out: 0.007+/-0.000 χ^2/NDF:3425823.7/52

All: 0.007+/-0.000 χ^2/NDF: 6159261.3/97

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.985+/-0.000 χ^2/NDF: 93956345335.0/21

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

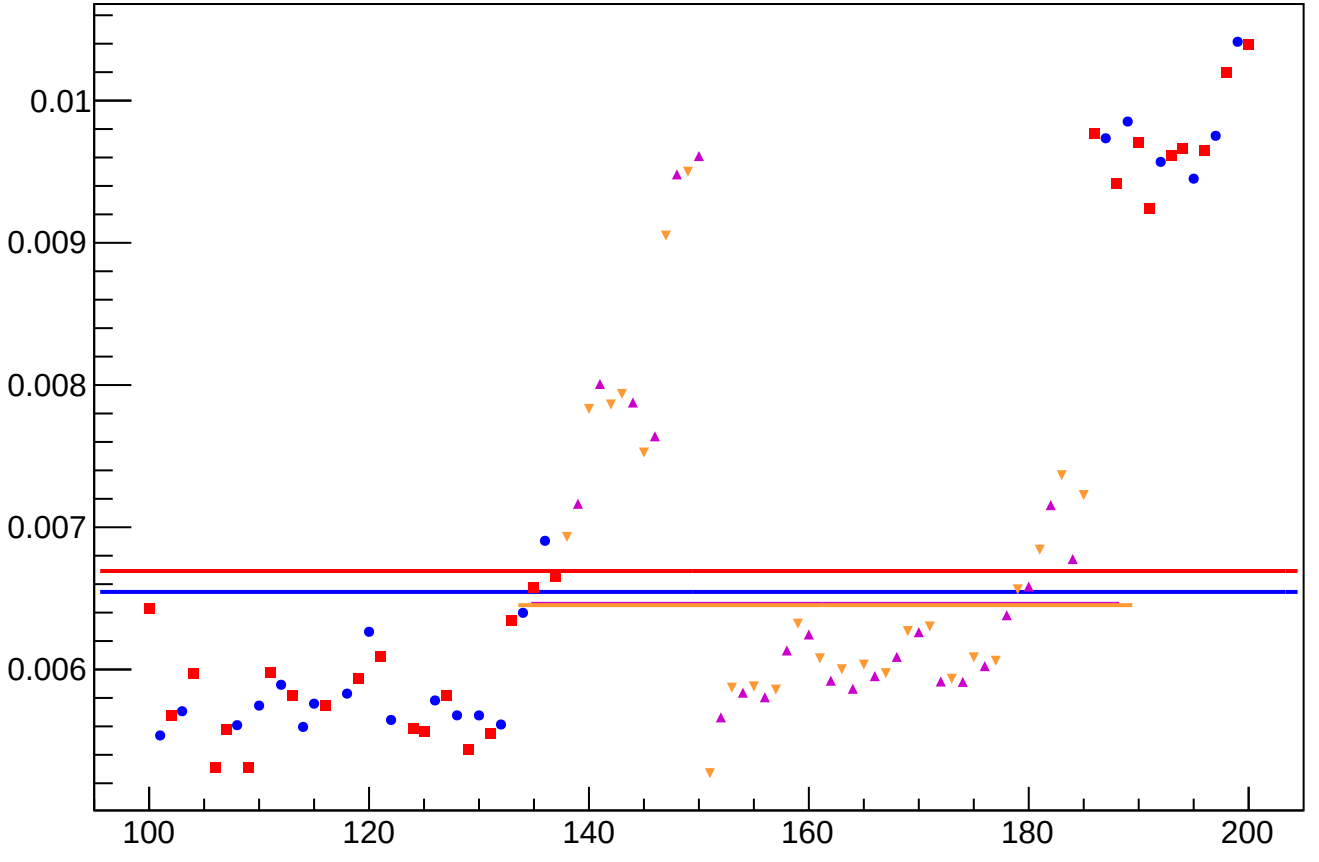
Right: -1.979+/-0.000 χ^2/NDF: 189343839930.1/49

In: -2.305+/-0.000 χ^2/NDF:232275460677.9/44

Out: -2.281+/-0.000 χ^2/NDF:262461446338.5/52

All: -2.293+/-0.000 χ^2/NDF: 494939058009.0

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1202131.2/21

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

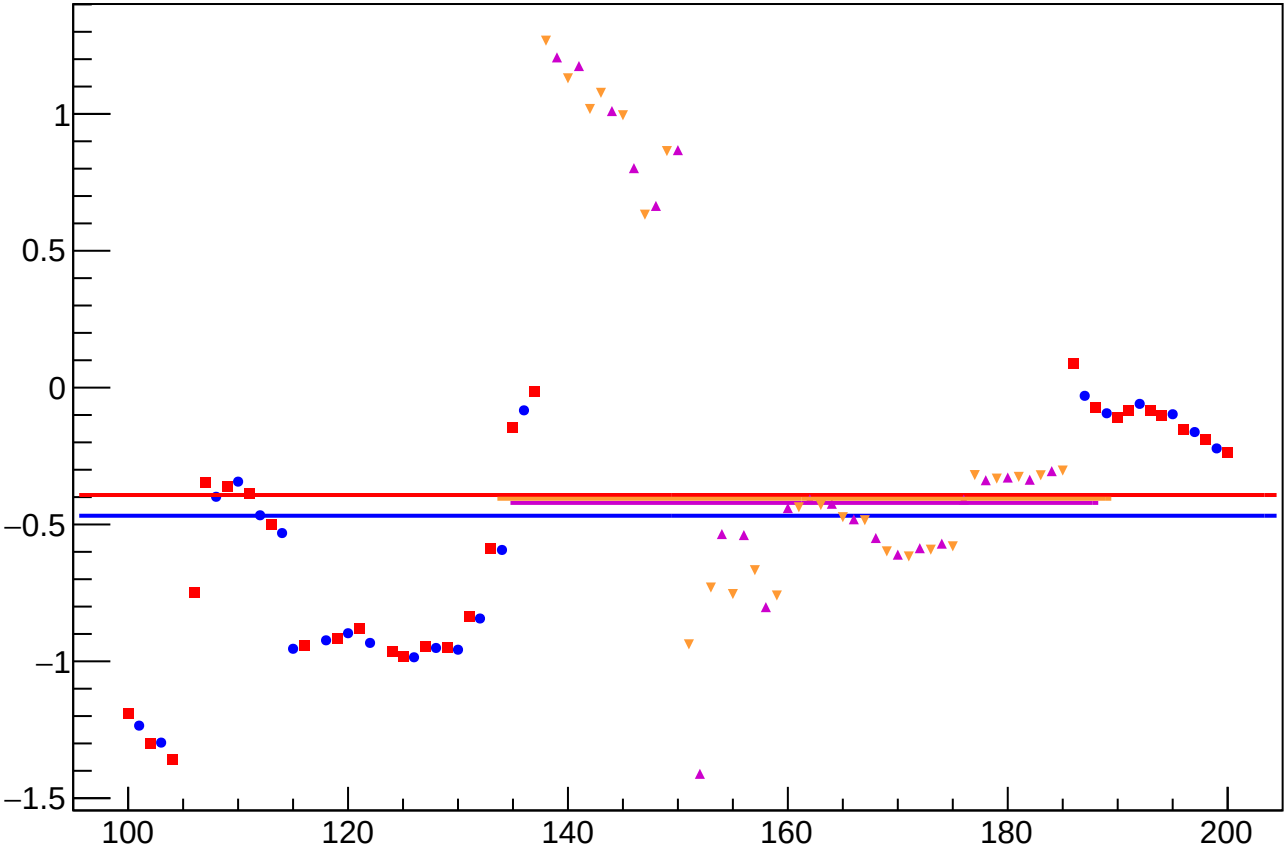
Right: 0.007+/-0.000 χ^2/NDF: 2853027.7/49

In: 0.006+/-0.000 χ^2/NDF:1925021.1/44

Out: 0.007+/-0.000 χ^2/NDF:2378553.6/52

All: 0.007+/-0.000 χ^2/NDF: 4305538.0/97

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.468+/-0.000 χ^2/NDF: 22725408900.9/21

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

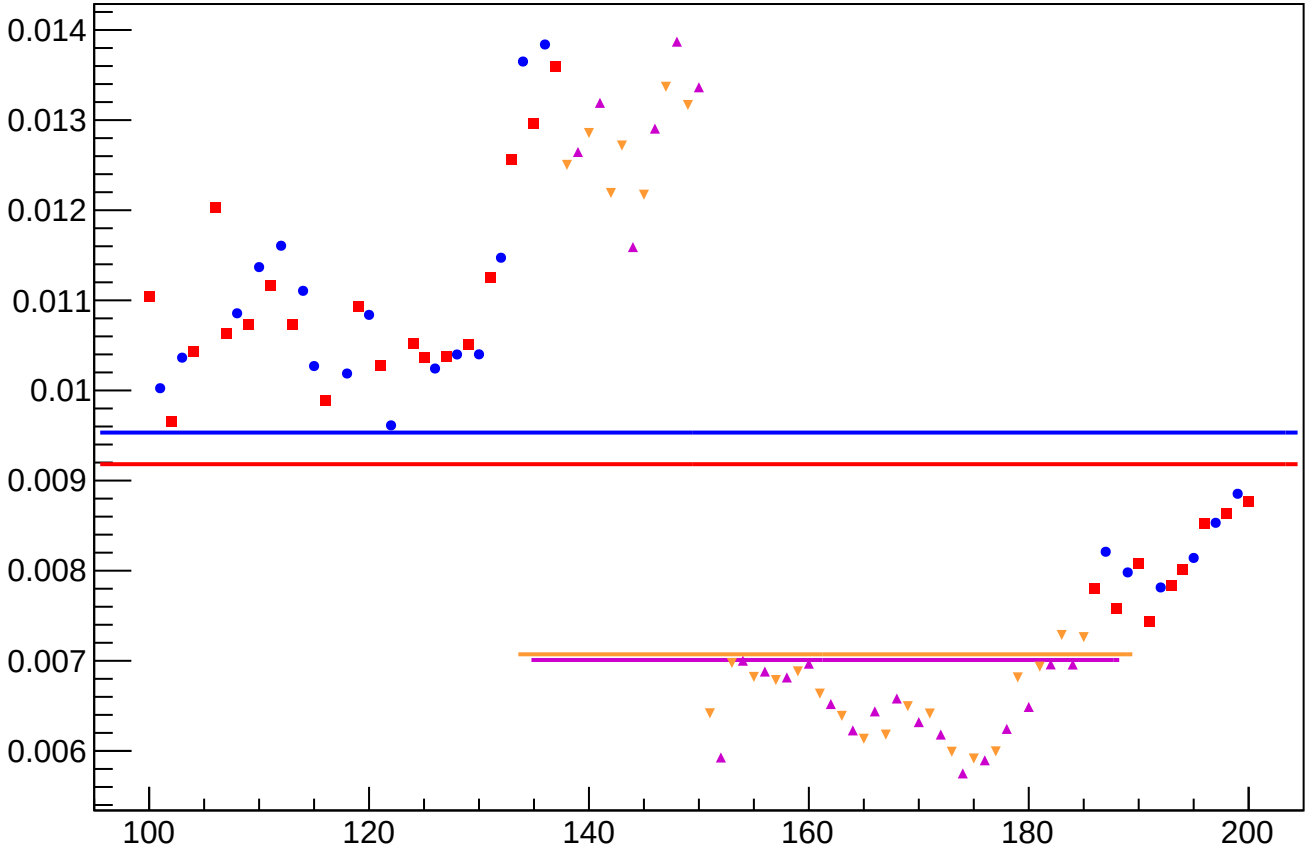
Right: -0.426+/-0.000 χ^2/NDF: 49790984192.6/49

In: -0.433+/-0.000 χ^2/NDF:113164215497.3/44

Out: -0.402+/-0.000 χ^2/NDF:108329053267.7/52

All: -0.417+/-0.000 χ^2/NDF: 221736167364.8

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 595418.2/21

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

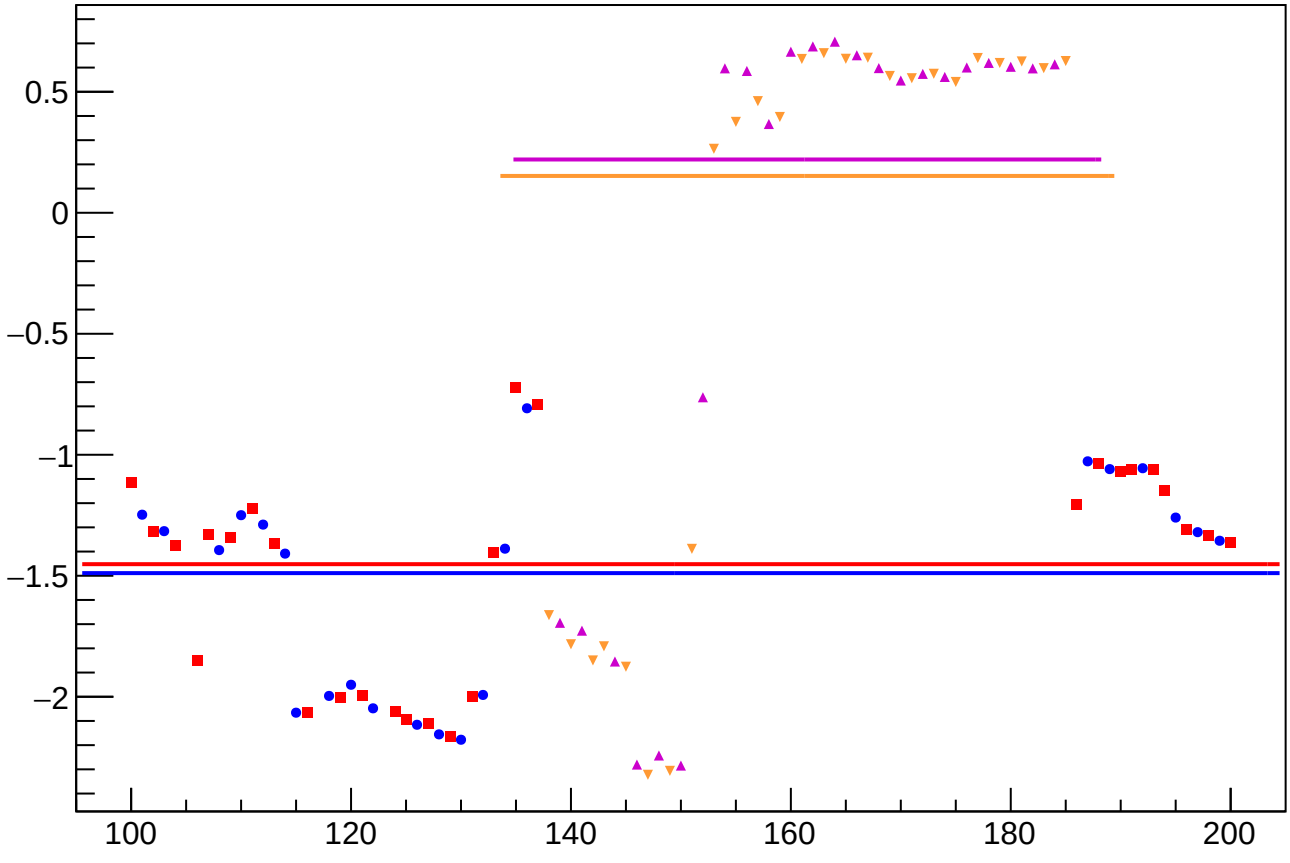
Right: 0.009+/-0.000 χ^2/NDF: 1287276.0/49

In: 0.008+/-0.000 χ^2/NDF:4192000.2/44

Out: 0.008+/-0.000 χ^2/NDF:4018867.1/52

All: 0.008+/-0.000 χ^2/NDF: 8211696.9/97

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.489+/-0.000 χ^2/NDF: 181387967540.0/21

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

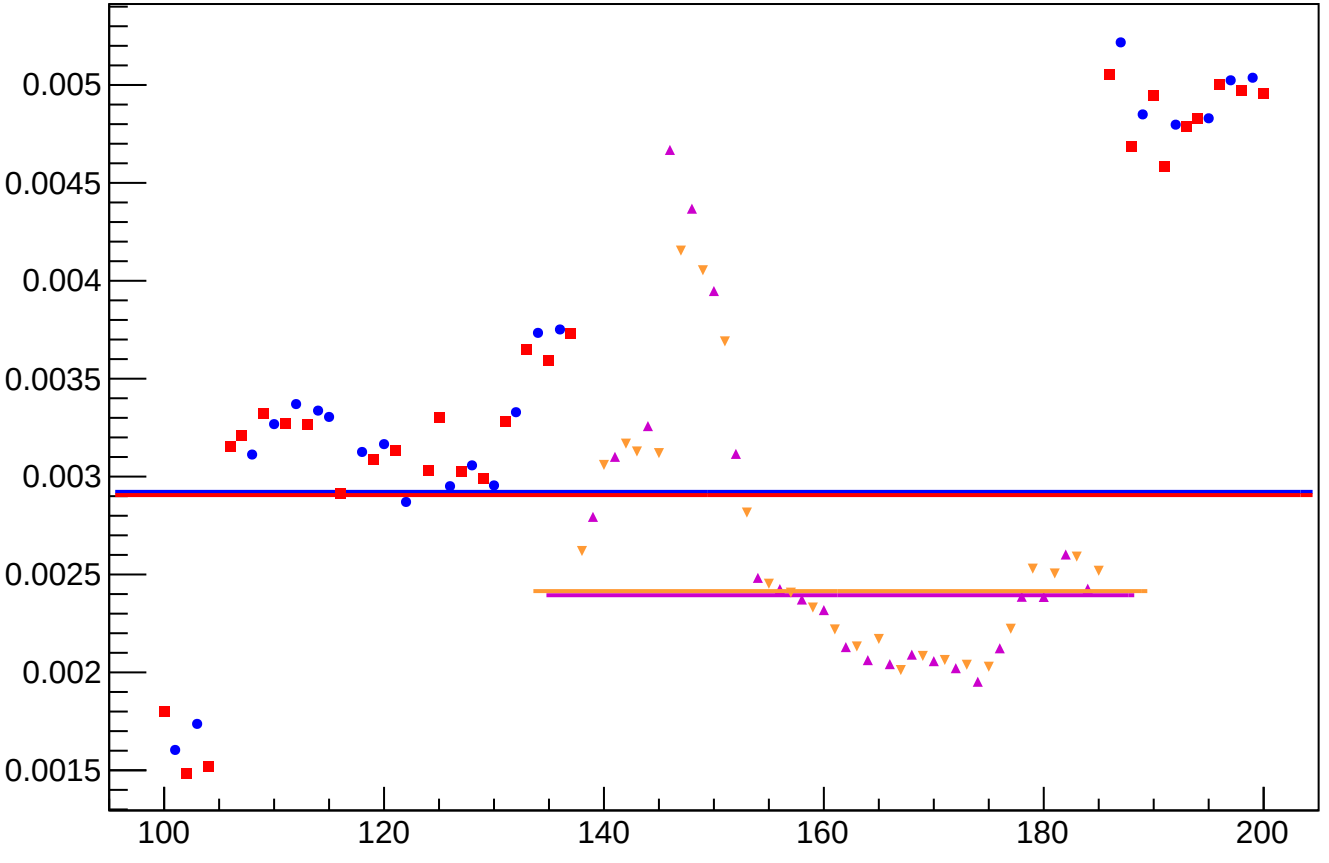
Right: -1.469+/-0.000 χ^2/NDF: 353860061429.7/49

In: -0.263+/-0.000 χ^2/NDF:4607728086266.9/44

Out: -0.334+/-0.000 χ^2/NDF:4852839285716.9/52

All: -0.300+/-0.000 χ^2/NDF: 9470625209916

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2791390.8/21

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

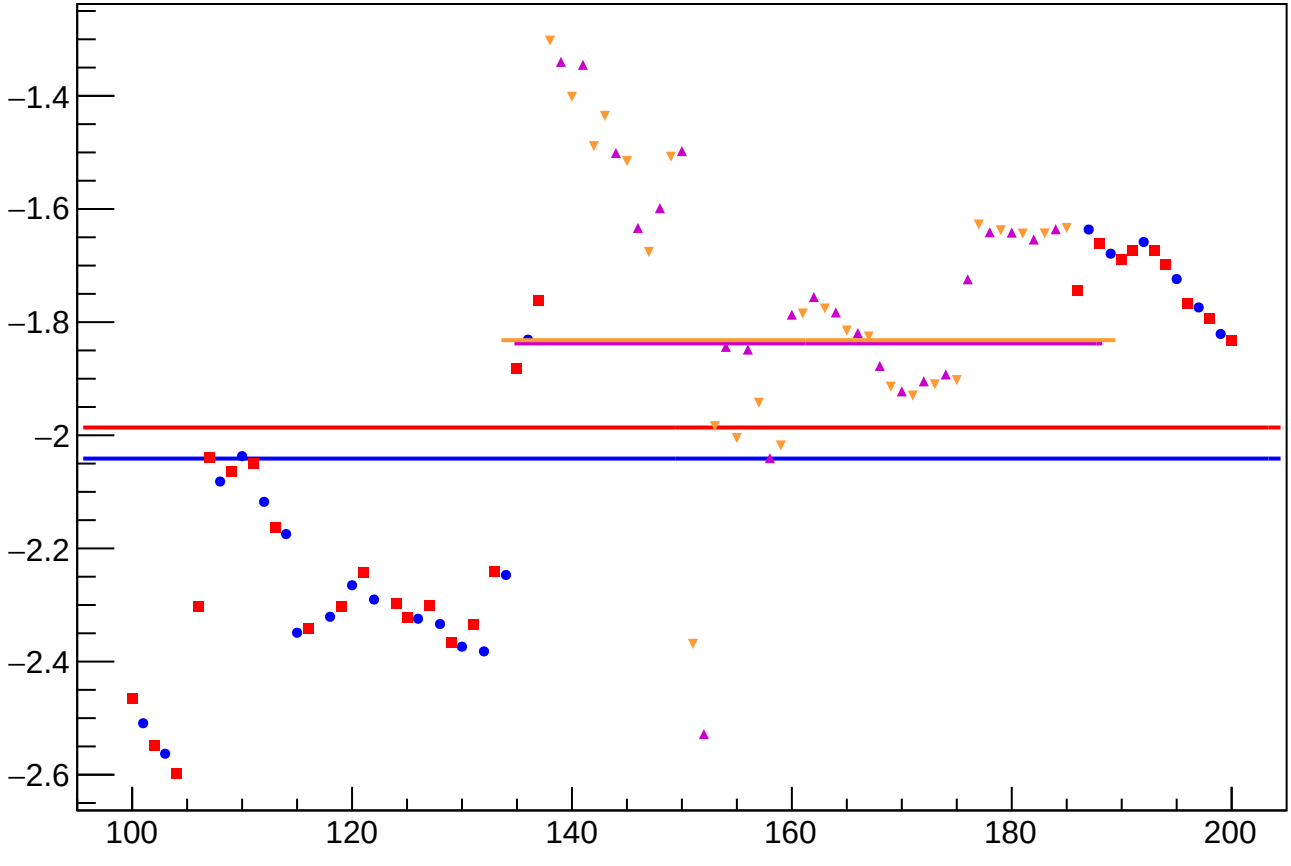
Right: 0.003+/-0.000 χ^2/NDF: 6800777.6/49

In: 0.003+/-0.000 χ^2/NDF:4640567.9/44

Out: 0.003+/-0.000 χ^2/NDF:5655917.7/52

All: 0.003+/-0.000 χ^2/NDF: 10298157.2/97

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.041+/-0.000 χ^2/NDF: 30371361008.1/21

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

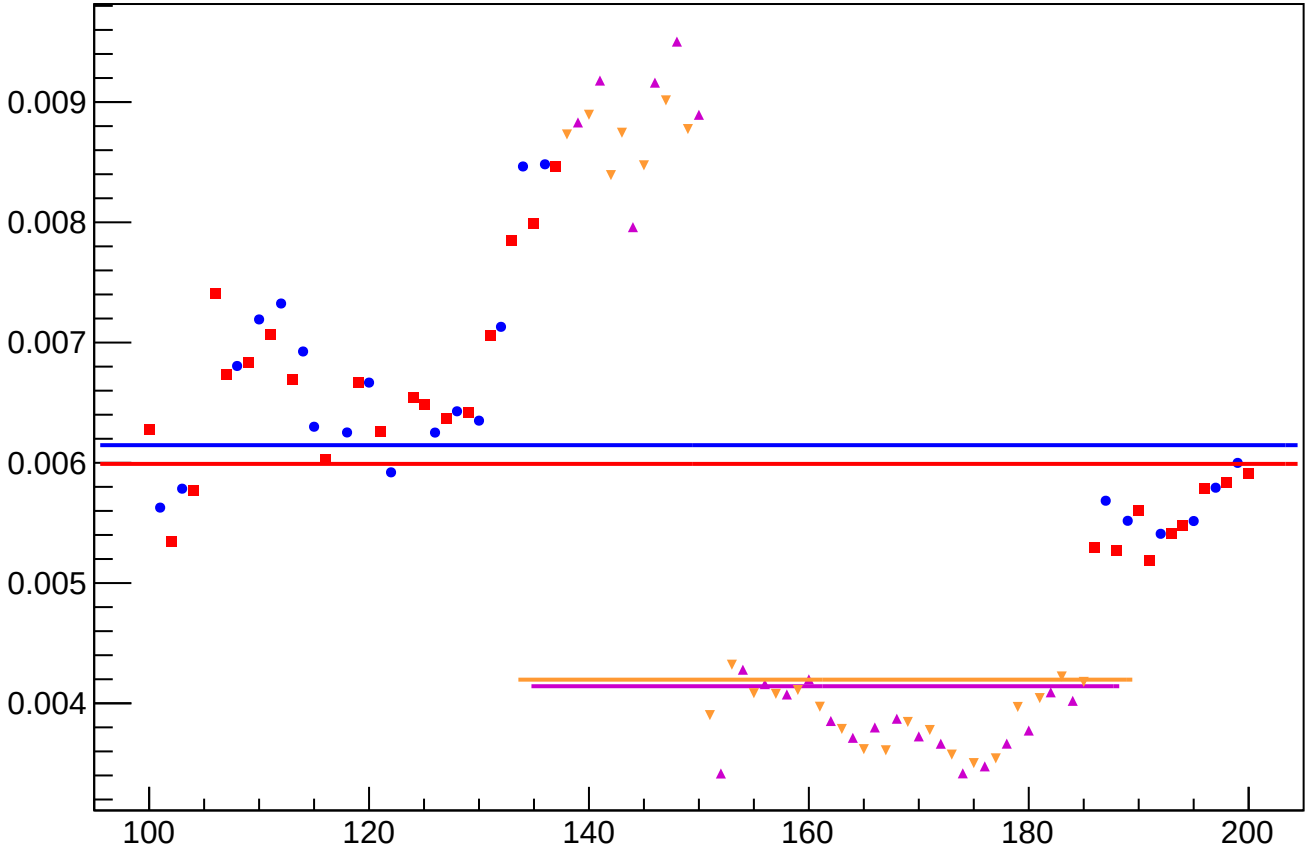
Right: -2.011+/-0.000 χ^2/NDF: 67232150475.1/49

In: -1.886+/-0.000 χ^2/NDF:93041506103.3/44

Out: -1.874+/-0.000 χ^2/NDF:81060037699.8/52

All: -1.880+/-0.000 χ^2/NDF: 174193292834.1

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 357342.0/21

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

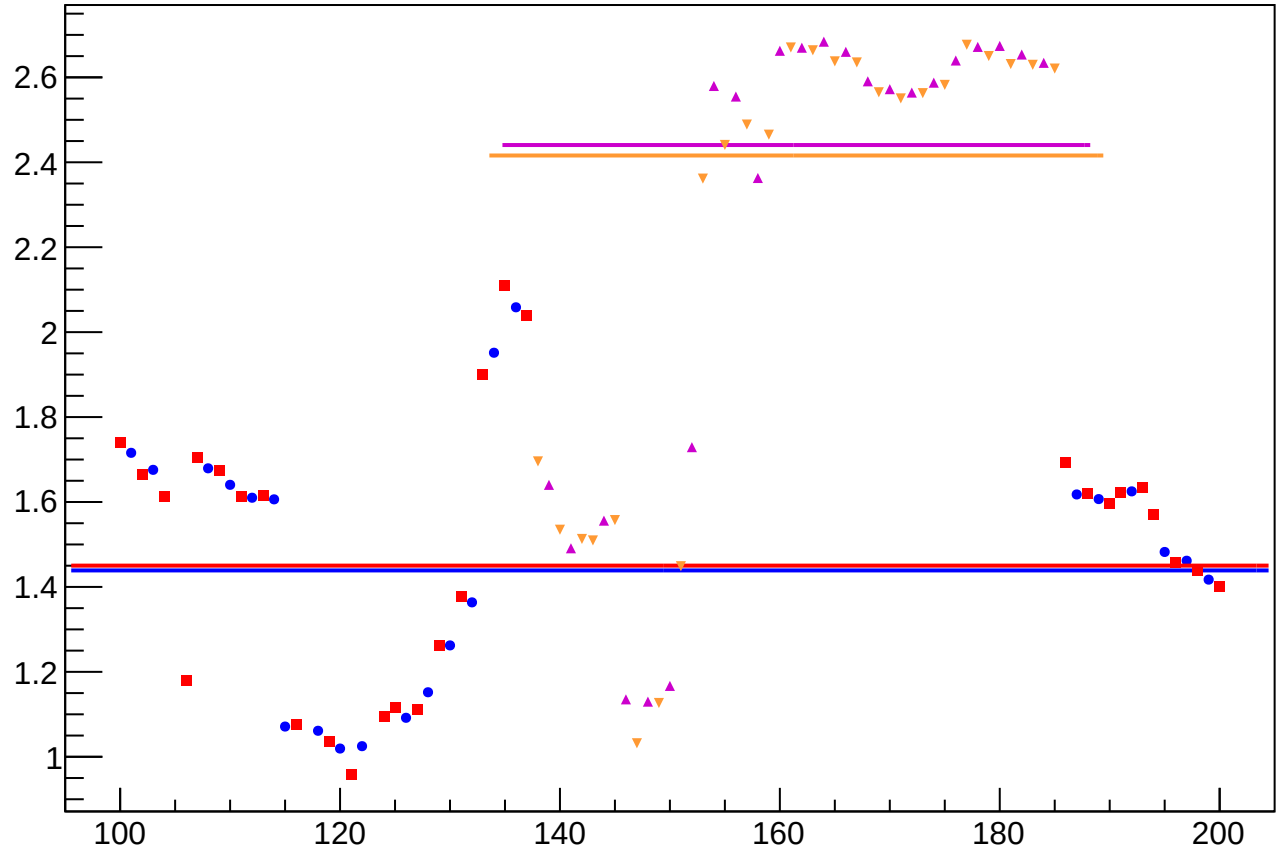
Right: 0.006+/-0.000 χ^2/NDF: 742417.0/49

In: 0.005+/-0.000 χ^2/NDF:5341957.1/44

Out: 0.005+/-0.000 χ^2/NDF:5177401.8/52

All: 0.005+/-0.000 χ^2/NDF: 10525285.0/97

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.439+/-0.000 χ^2/NDF: 191296699473.5/21

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

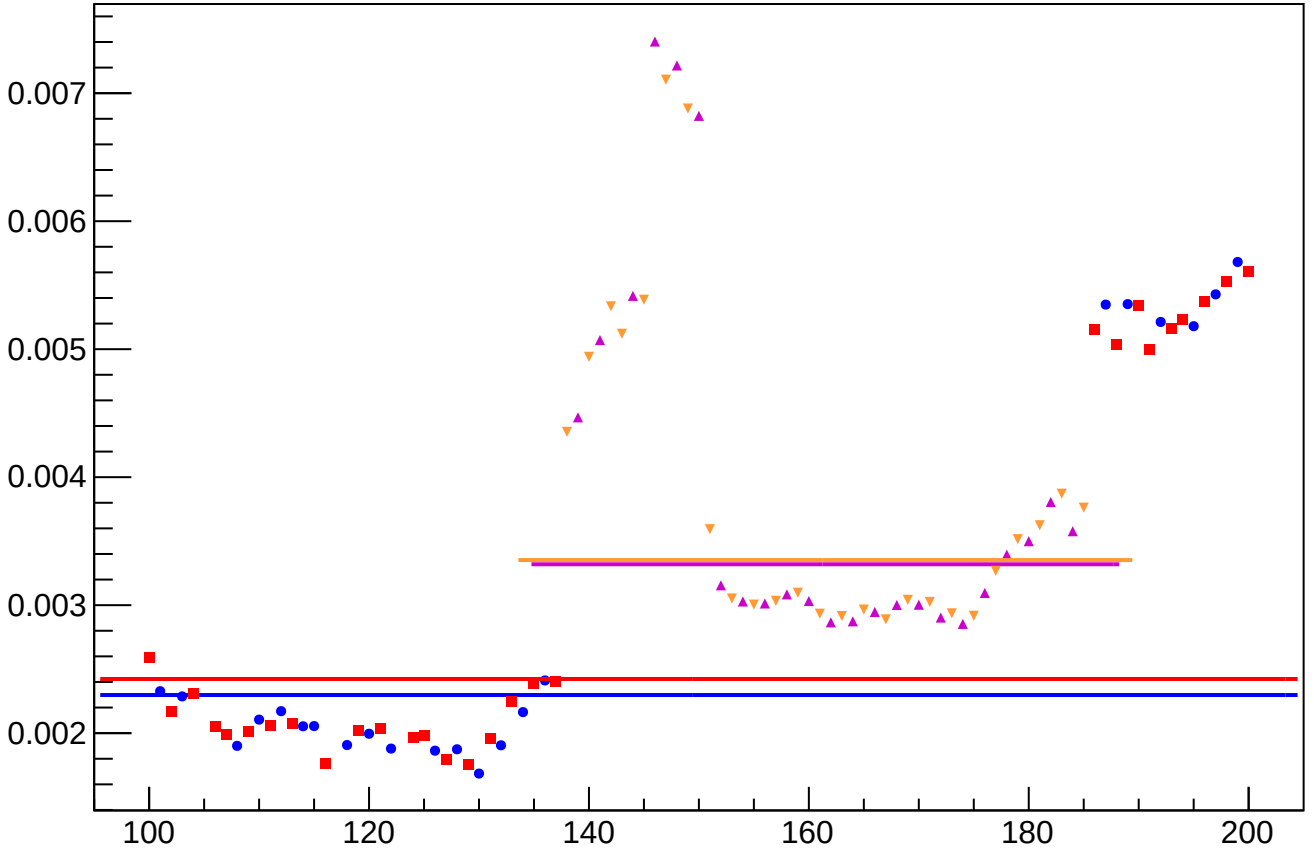
Right: 1.445+/-0.000 χ^2/NDF: 377783355135.2/49

In: 1.895+/-0.000 χ^2/NDF:1233210232149.2/44

Out: 1.891+/-0.000 χ^2/NDF:1217015041192.8/52

All: 1.893+/-0.000 χ^2/NDF: 2450255720965.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3173953.1/21

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

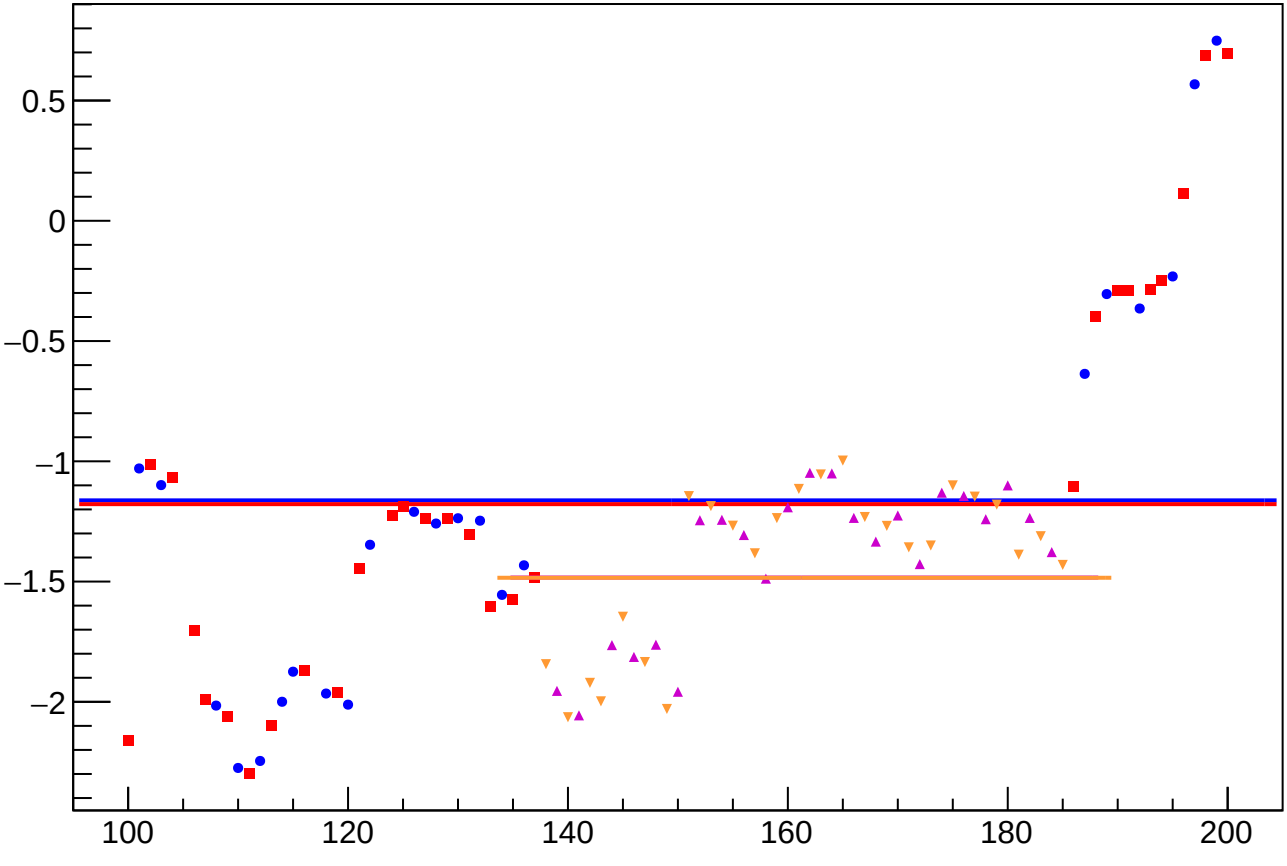
Right: 0.002+/-0.000 χ^2/NDF: 7418139.4/49

In: 0.003+/-0.000 χ^2/NDF:6914601.5/44

Out: 0.003+/-0.000 χ^2/NDF:7493230.1/52

All: 0.003+/-0.000 χ^2/NDF: 14431271.3/97

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.162+/-0.000 χ^2/NDF: 106309021255.0/21

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

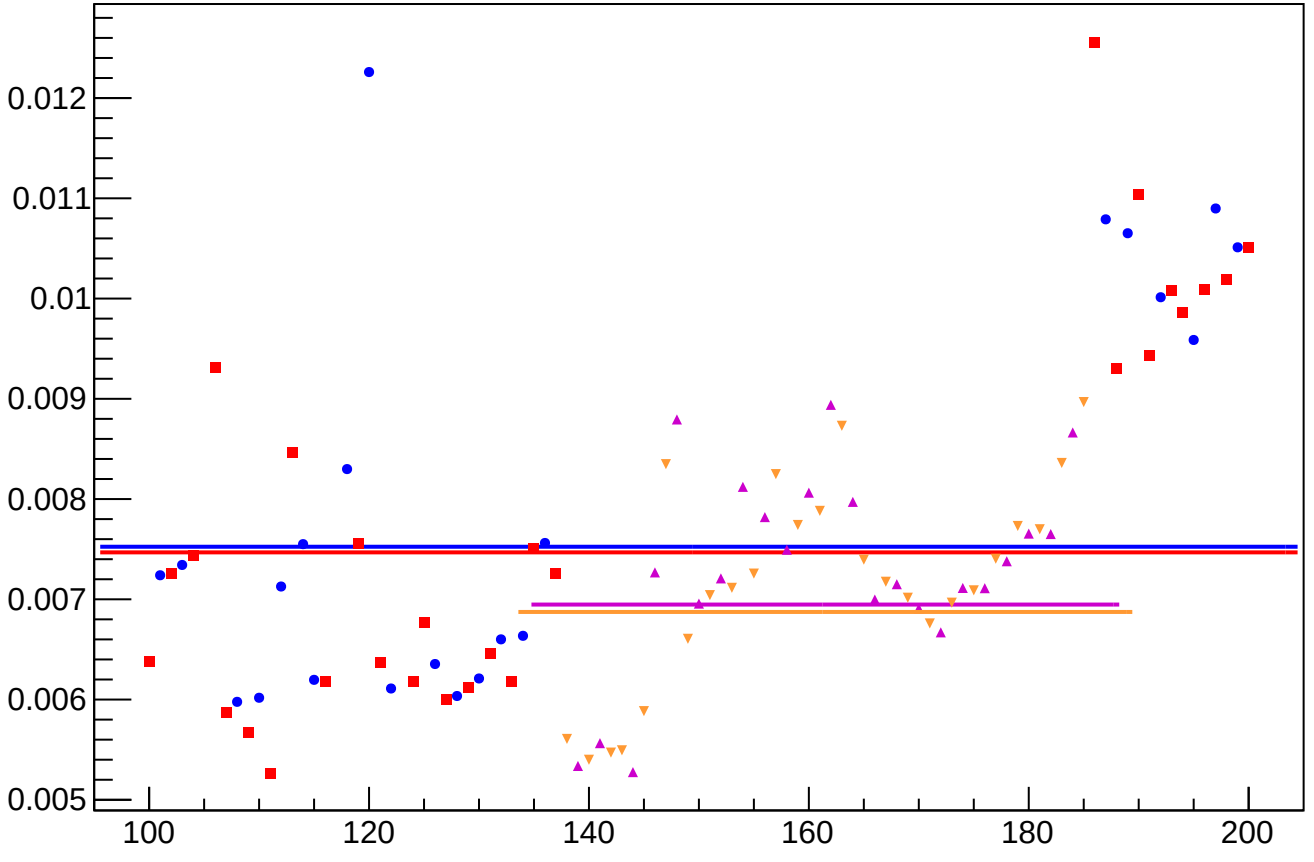
Right: -1.171+/-0.000 χ^2/NDF: 257621515598.9/49

In: -1.374+/-0.000 χ^2/NDF:158984415697.9/44

Out: -1.372+/-0.000 χ^2/NDF:212864435789.1/52

All: -1.373+/-0.000 χ^2/NDF: 371850316482.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1011207.5/21

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

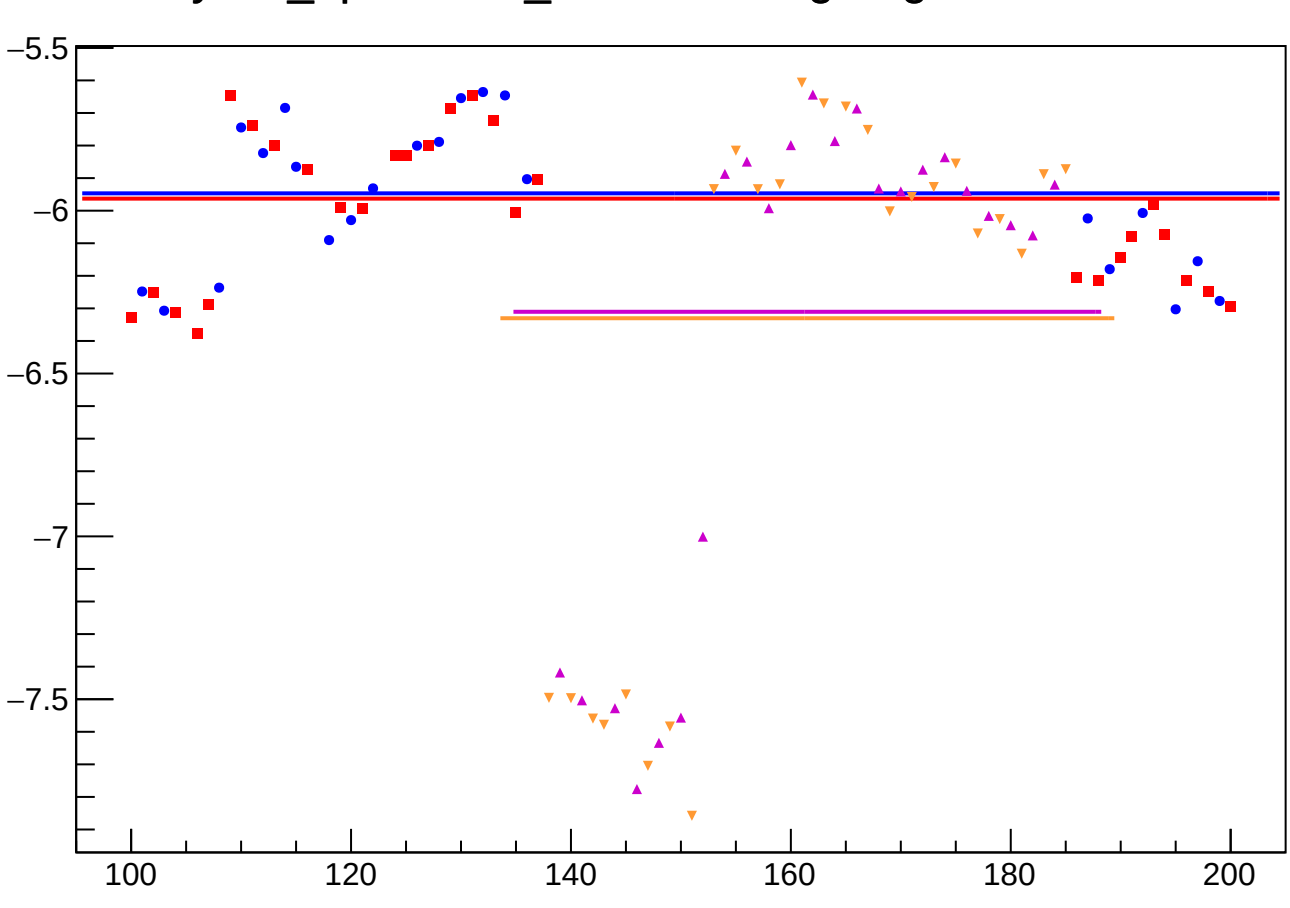
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.007+/-0.000 χ^2/NDF: 2405421.4/49

In: 0.007+/-0.000 χ^2/NDF:1837537.9/44

Out: 0.007+/-0.000 χ^2/NDF:2238143.9/52

All: 0.007+/-0.000 χ^2/NDF: 4077207.7/97



Right In: -5.947+/-0.000 χ^2/NDF: 13435705602.2/21

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

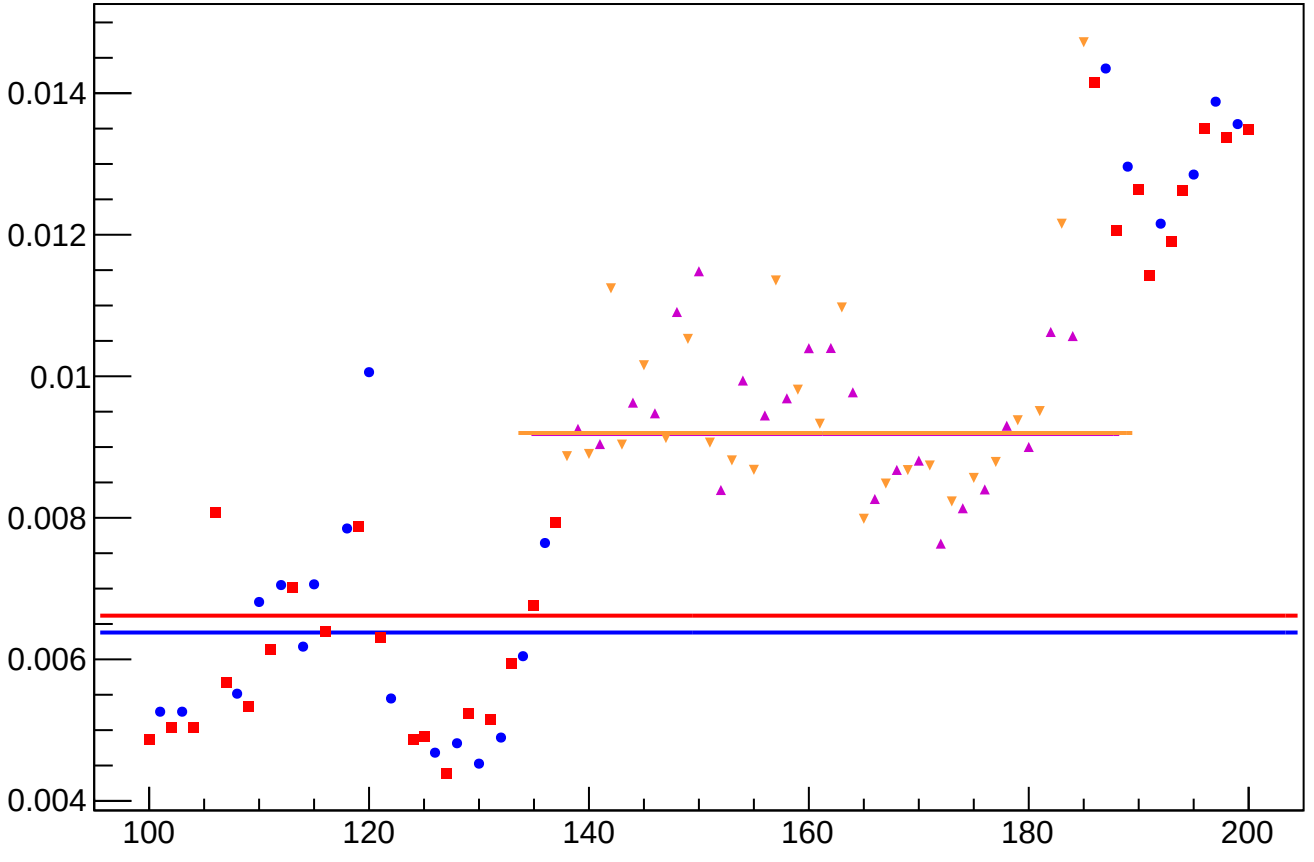
Right: -5.955+/-0.000 χ^2/NDF: 28212700058.1/49

In: -6.111+/-0.000 χ^2/NDF:118386764112.8/44

Out: -6.123+/-0.000 χ^2/NDF:139598956461.1/52

All: -6.117+/-0.000 χ^2/NDF: 258016803919.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2935738.2/21

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

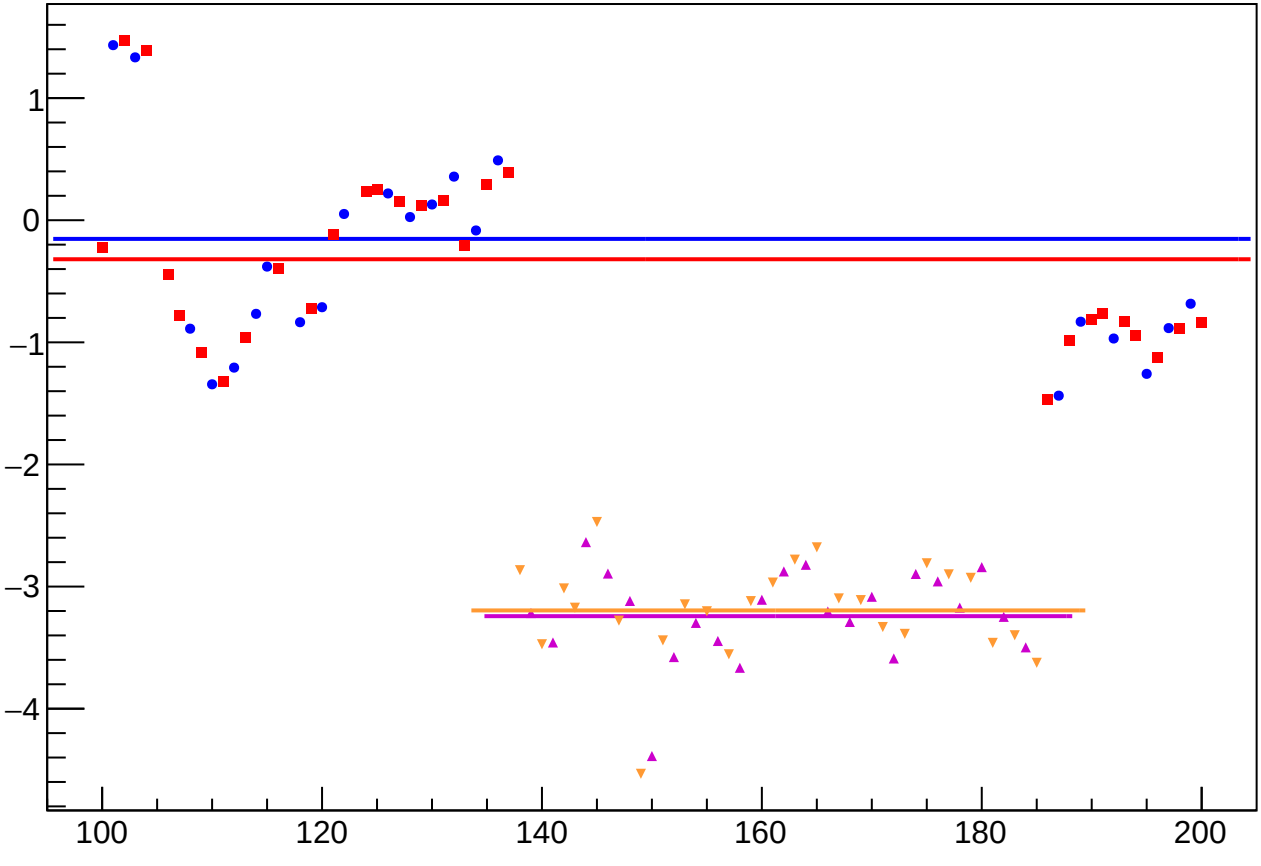
Right: 0.007+/-0.000 χ^2/NDF: 6584841.8/49

In: 0.008+/-0.000 χ^2/NDF:4832664.4/44

Out: 0.008+/-0.000 χ^2/NDF:5437182.6/52

All: 0.008+/-0.000 χ^2/NDF: 10273845.1/97

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 30022079980.0/21

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

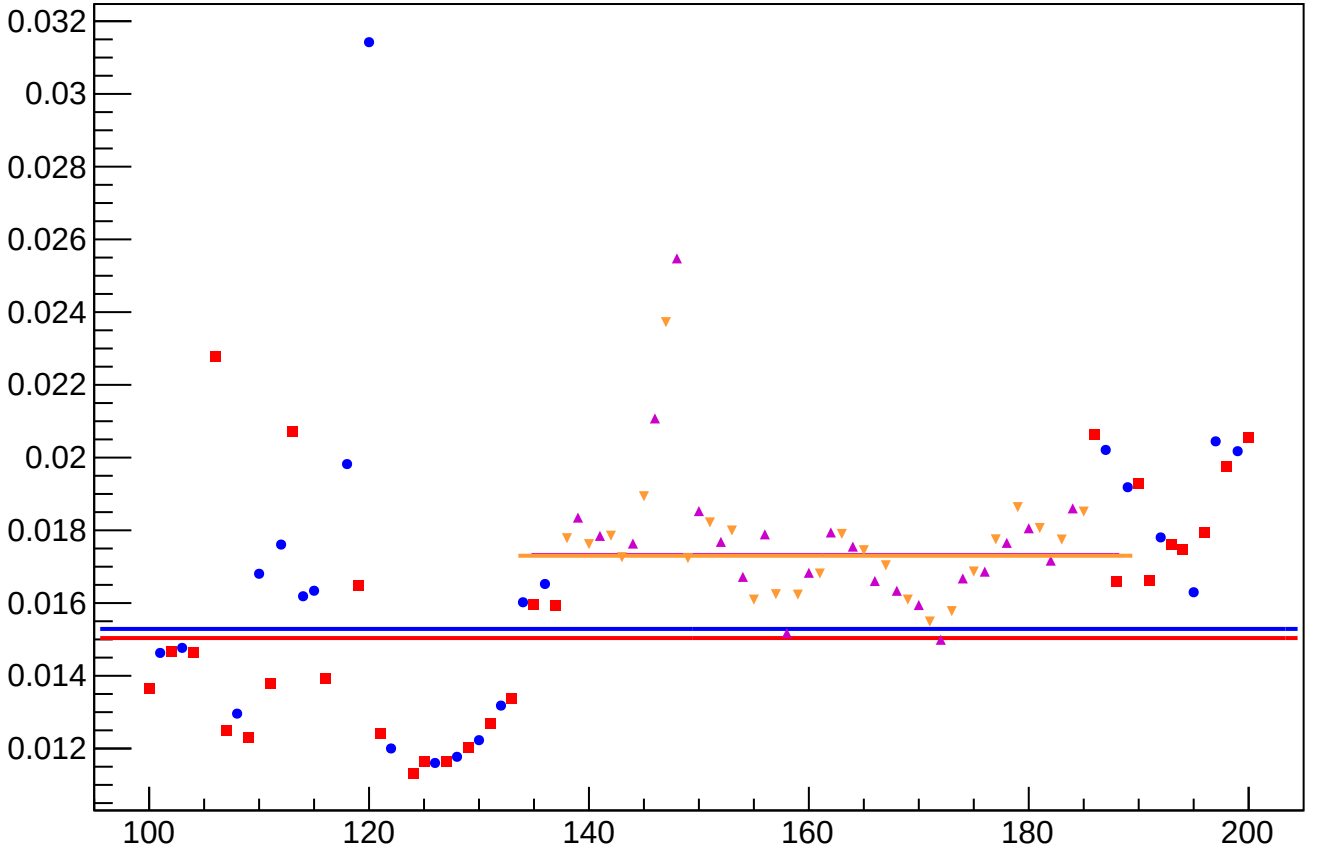
Right: -0.246+/-0.000 χ^2/NDF: 64305613360.7/49

In: -1.916+/-0.000 χ^2/NDF:277321085938.9/44

Out: -1.841+/-0.000 χ^2/NDF:284849871572.5/52

All: -1.876+/-0.000 χ^2/NDF: 562475734940.

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 871549.6/21

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

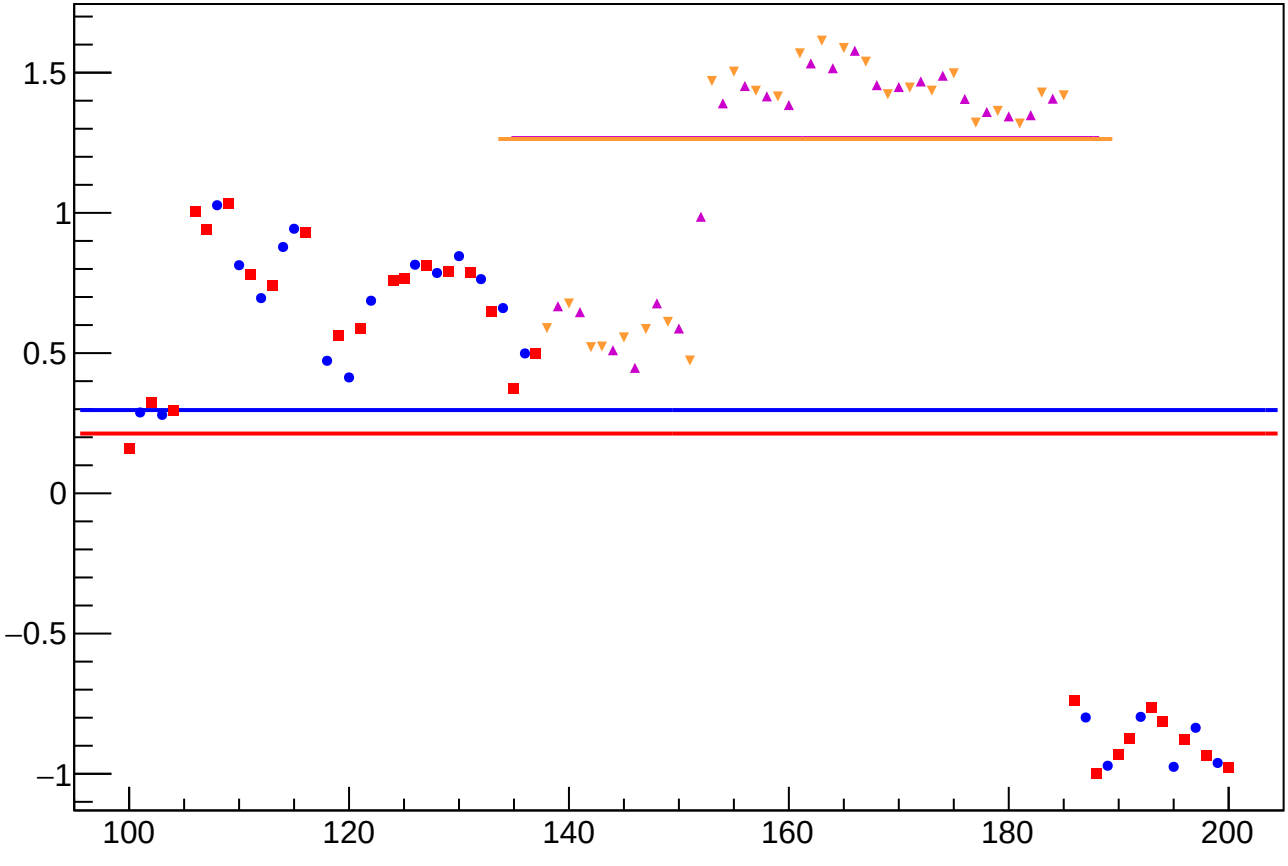
Right: 0.015+/-0.000 χ^2/NDF: 1800668.5/49

In: 0.016+/-0.000 χ^2/NDF:1408902.3/44

Out: 0.016+/-0.000 χ^2/NDF:1443591.8/52

All: 0.016+/-0.000 χ^2/NDF: 2857511.0/97

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.297+/-0.000 χ^2/NDF: 50609045997.0/21

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

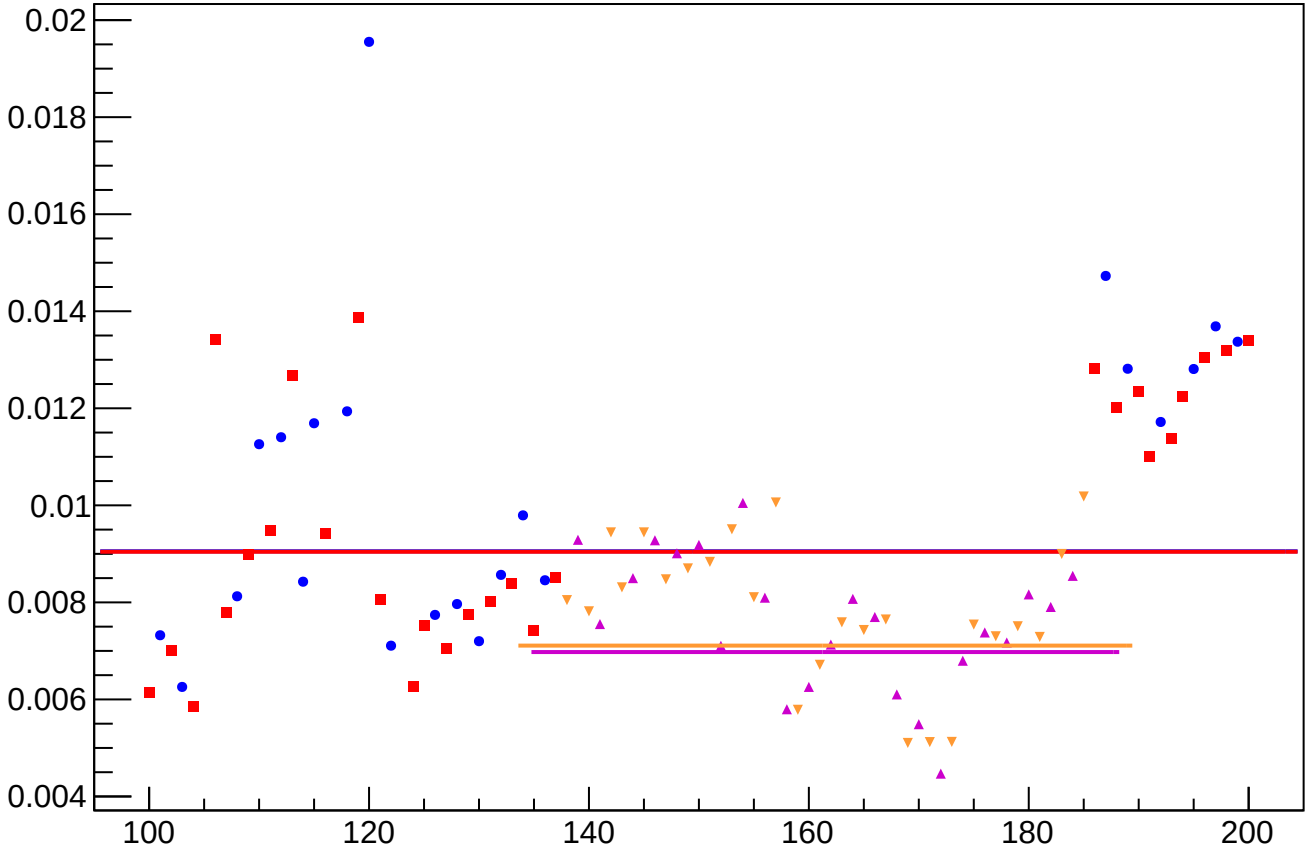
Right: 0.251+/-0.000 χ^2/NDF: 121507345362.8/49

In: 1.011+/-0.000 χ^2/NDF:170986064389.5/44

Out: 0.949+/-0.000 χ^2/NDF:227162008430.6/52

All: 0.979+/-0.000 χ^2/NDF: 399050832826.8

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1534130.9/21

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

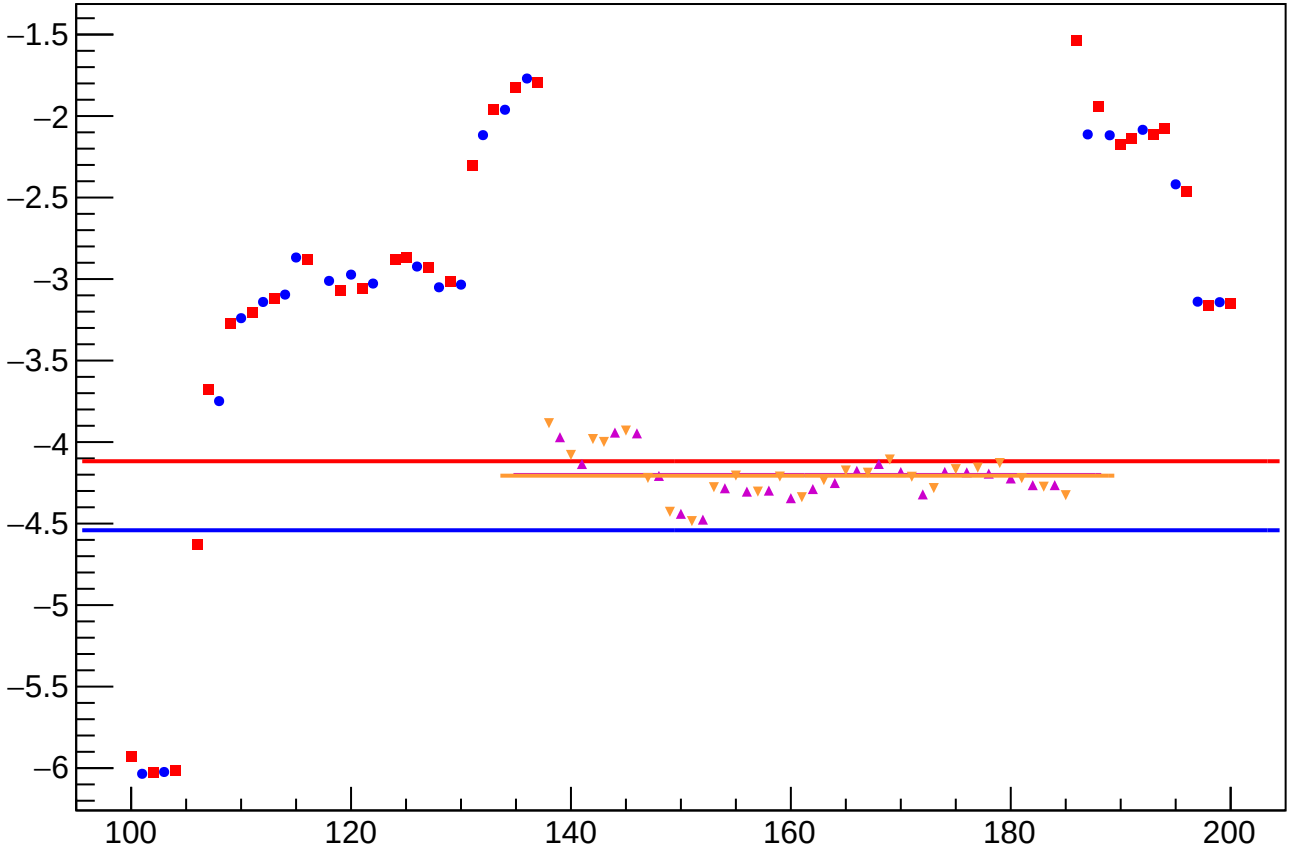
Right: 0.009+/-0.000 χ^2/NDF: 3362583.3/49

In: 0.008+/-0.000 χ^2/NDF:3749924.2/44

Out: 0.008+/-0.000 χ^2/NDF:4101717.7/52

All: 0.008+/-0.000 χ^2/NDF: 7864320.2/97

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.541+/-0.000 χ^2/NDF: 258077273375.5/21

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

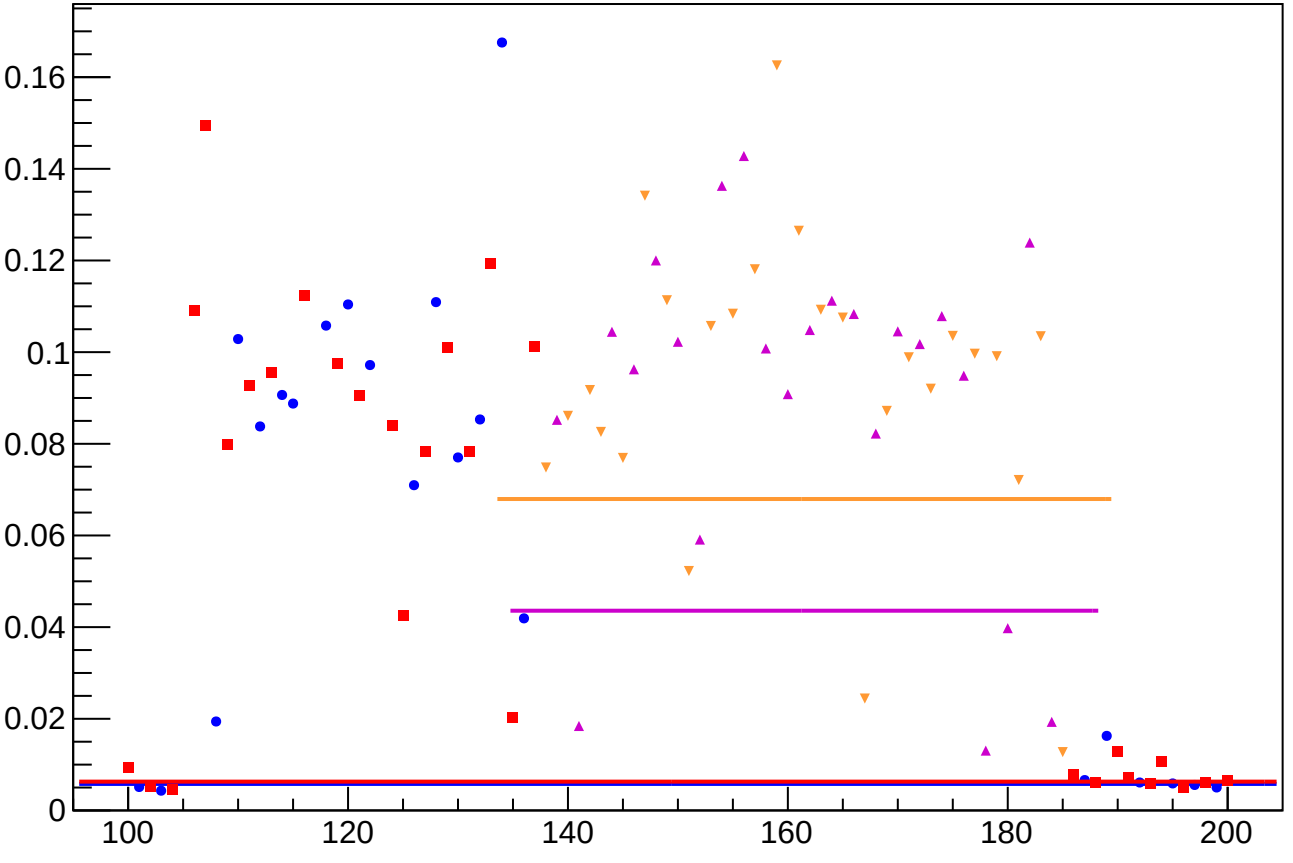
Right: -4.336+/-0.000 χ^2/NDF: 563385787256.9/49

In: -4.526+/-0.000 χ^2/NDF:258570669084.7/44

Out: -4.120+/-0.000 χ^2/NDF:297464694533.3/52

All: -4.331+/-0.000 χ^2/NDF: 563605007057.5

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8818854.6/21

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

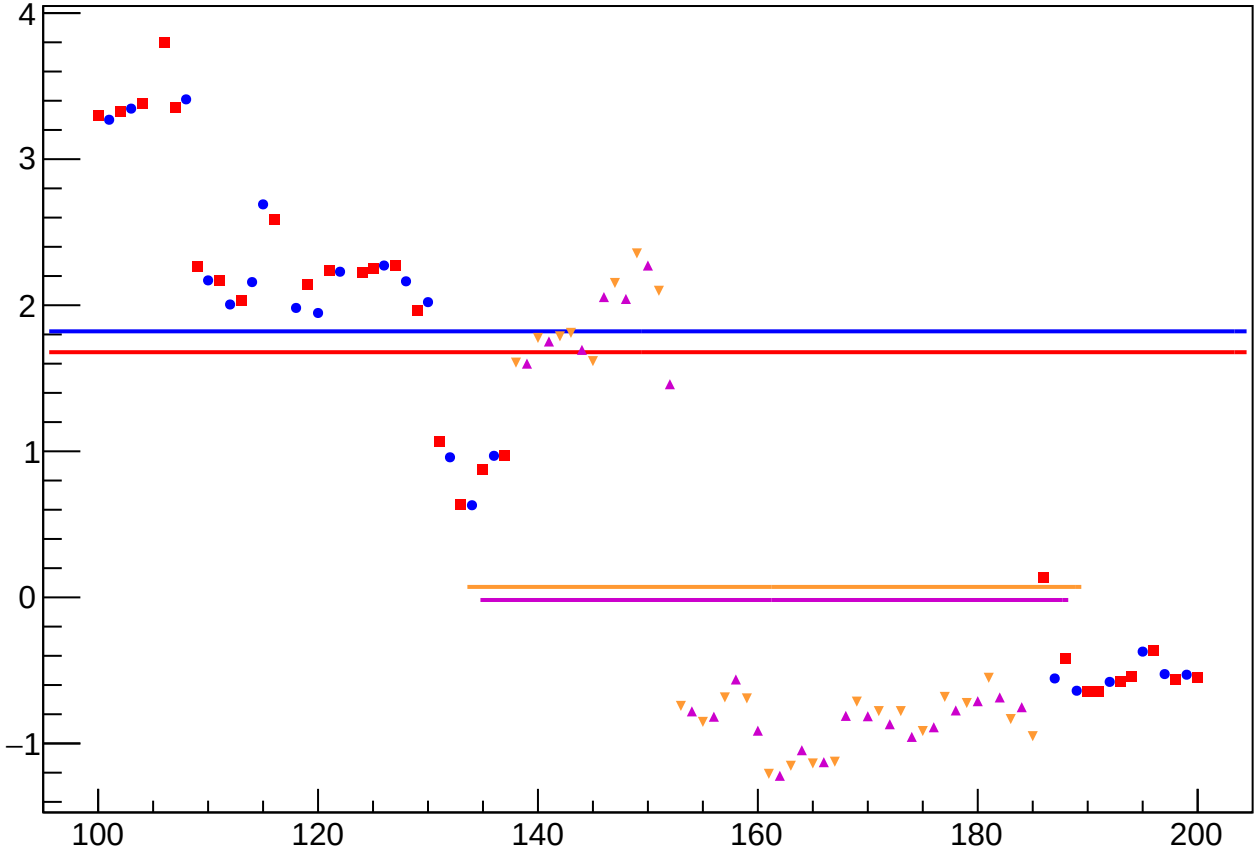
Right: 0.006+/-0.000 χ^2/NDF: 17753716.7/49

In: 0.007+/-0.000 χ^2/NDF:32768224.5/44

Out: 0.008+/-0.000 χ^2/NDF:36169505.2/52

All: 0.008+/-0.000 χ^2/NDF: 68988306.7/97

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.821+/-0.000 χ^2/NDF: 171377900138.6/21

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

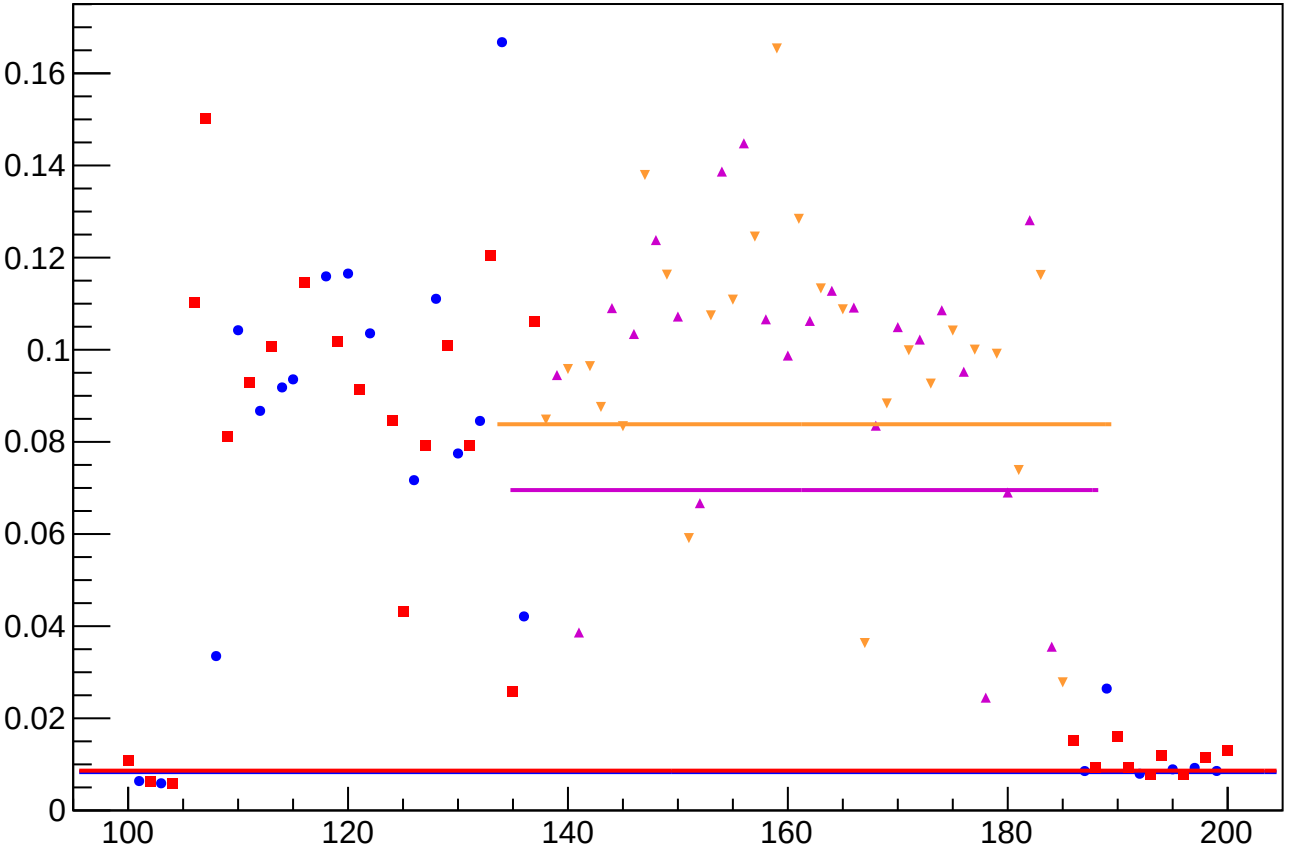
Right: 1.749+/-0.000 χ^2/NDF: 353144224947.9/49

In: 1.738+/-0.000 χ^2/NDF:182513331399.8/44

Out: 1.617+/-0.000 χ^2/NDF:189991356078.8/52

All: 1.677+/-0.000 χ^2/NDF: 372895902426.3

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8587136.0/21

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

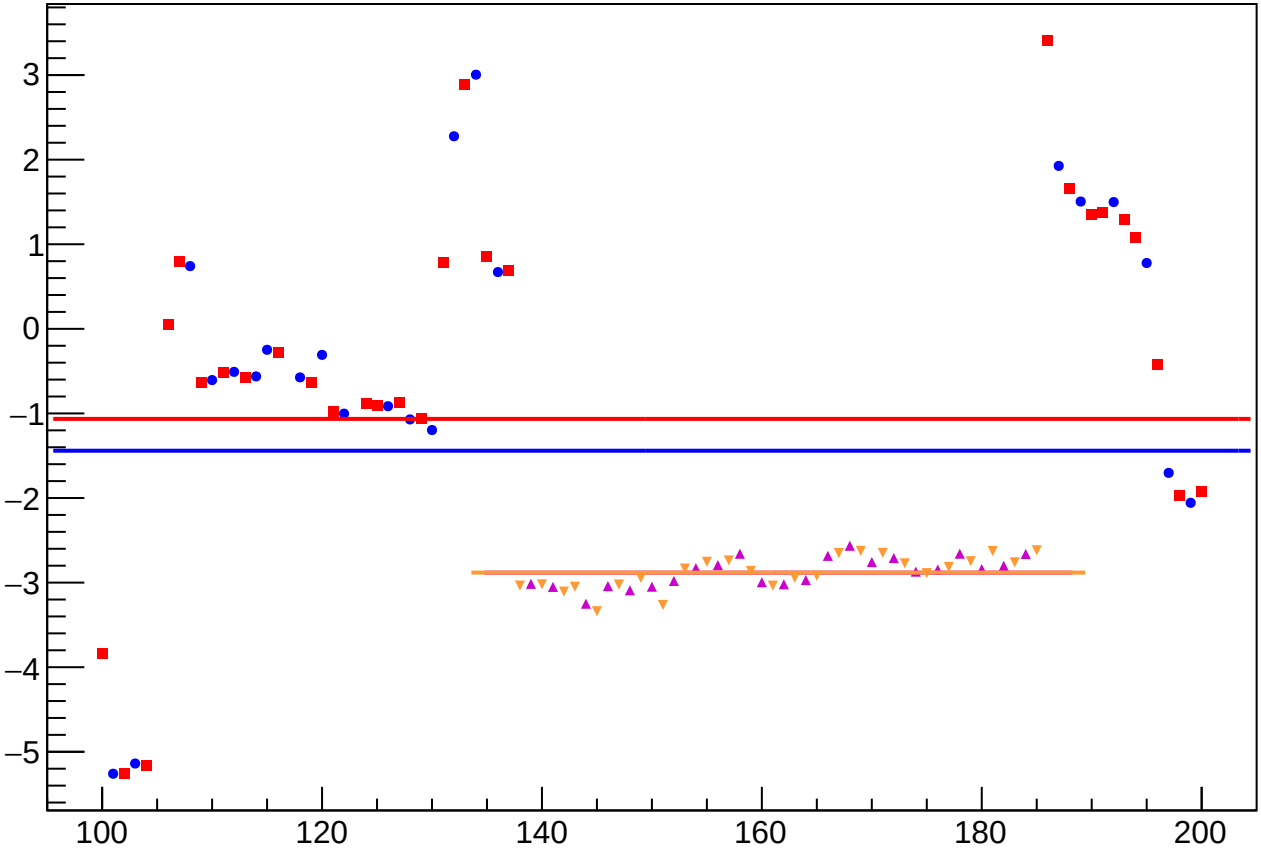
Right: 0.008+/-0.000 χ^2/NDF: 17394337.4/49

In: 0.011+/-0.000 χ^2/NDF:32302336.9/44

Out: 0.012+/-0.000 χ^2/NDF:34998337.8/52

All: 0.011+/-0.000 χ^2/NDF: 67311323.4/97

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.441+/-0.000 χ^2/NDF: 206802200715.7/21

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

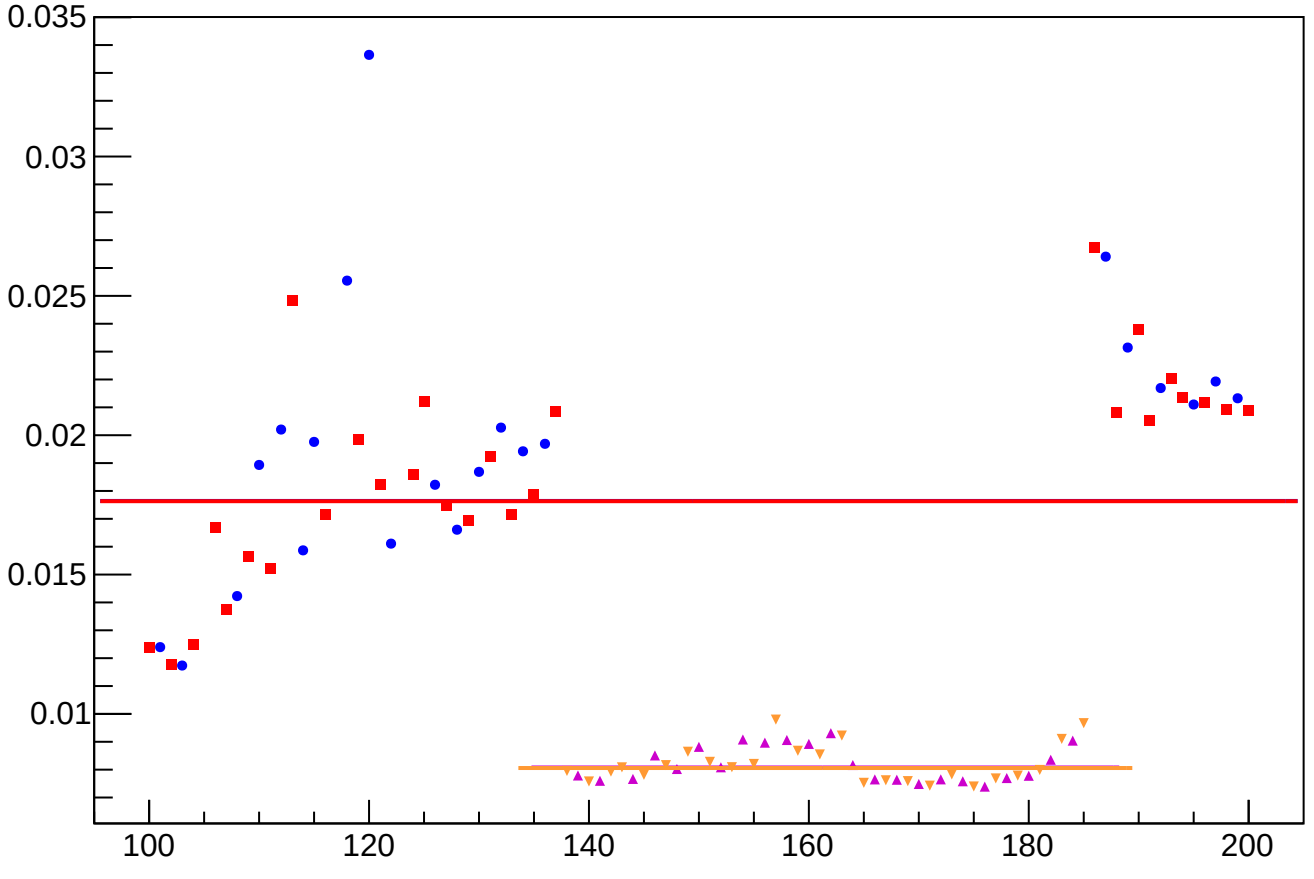
Right: -1.233+/-0.000 χ^2/NDF: 442033279049.3/49

In: -2.731+/-0.000 χ^2/NDF:273529365876.7/44

Out: -2.662+/-0.000 χ^2/NDF:356203830388.0/52

All: -2.695+/-0.000 χ^2/NDF: 630462589688.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1173587.8/21

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

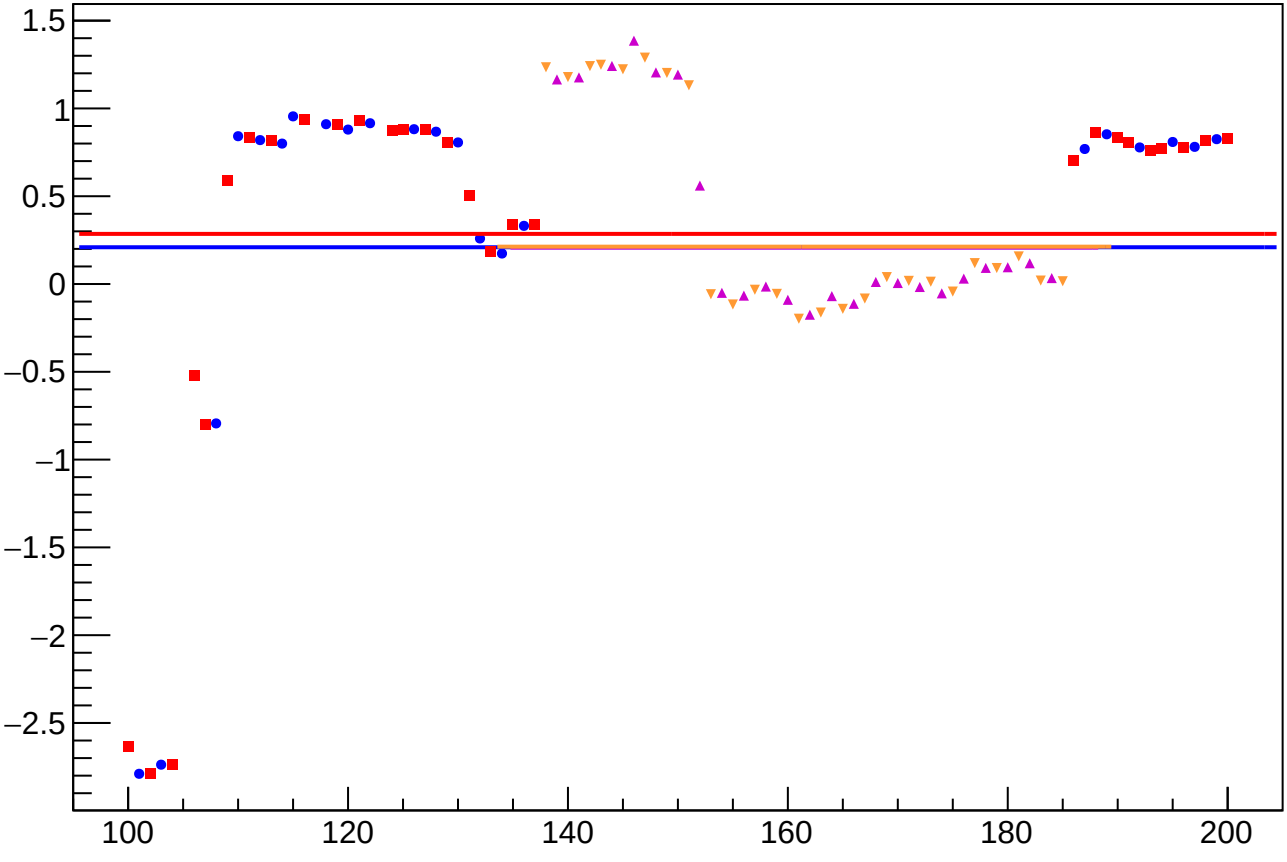
Right: 0.018+/-0.000 χ^2/NDF: 2293034.6/49

In: 0.009+/-0.000 χ^2/NDF:6497655.7/44

Out: 0.009+/-0.000 χ^2/NDF:7575207.7/52

All: 0.009+/-0.000 χ^2/NDF: 14078016.3/97

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.209+/-0.000 χ^2/NDF: 923883157180.6/21

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

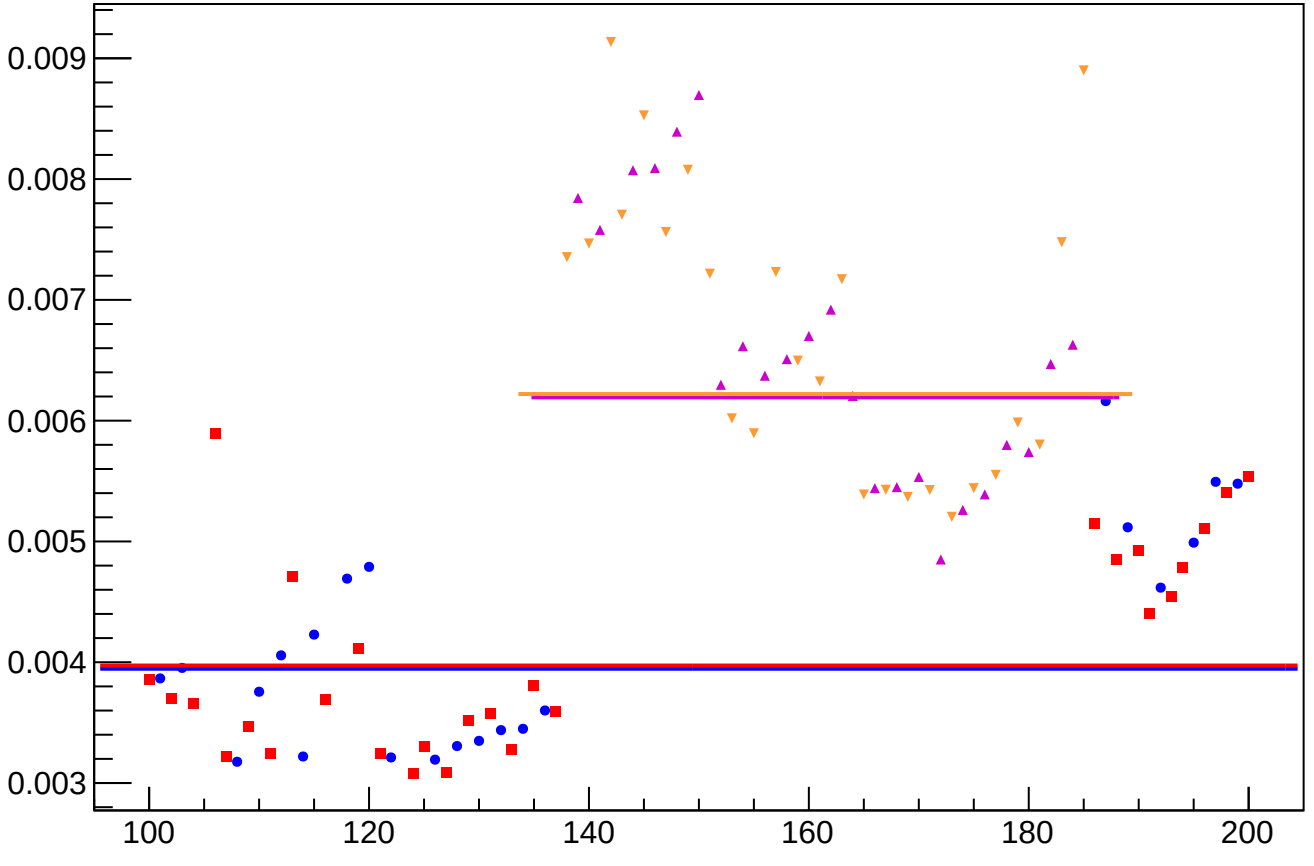
Right: 0.251+/-0.000 χ^2/NDF: 1952167704065.4/49

In: 0.209+/-0.000 χ^2/NDF:1010993236329.4/44

Out: 0.260+/-0.000 χ^2/NDF:1130461292022.8/52

All: 0.236+/-0.000 χ^2/NDF: 2142980017935.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 785979.5/21

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

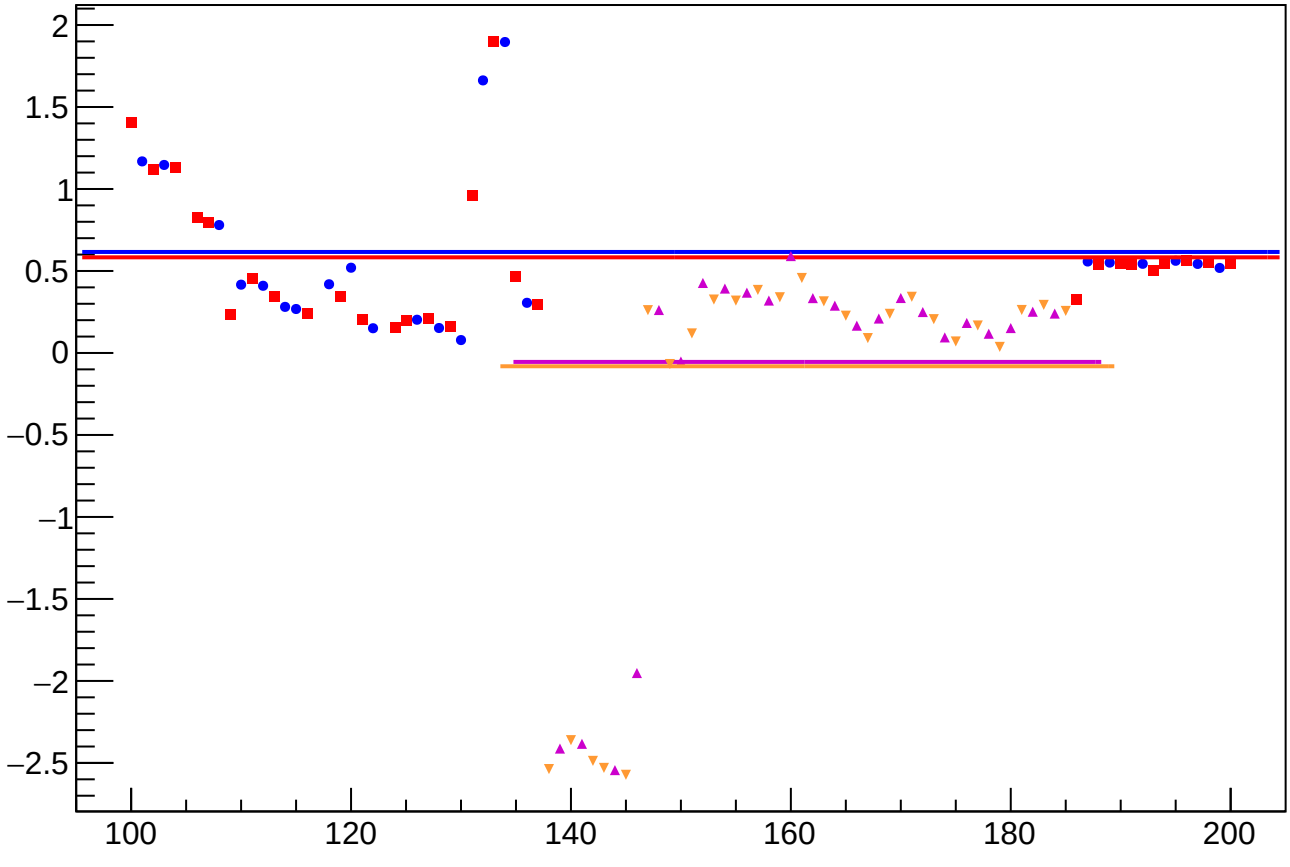
Right: 0.004+/-0.000 χ^2/NDF: 1754116.6/49

In: 0.005+/-0.000 χ^2/NDF:4193746.2/44

Out: 0.005+/-0.000 χ^2/NDF:4608164.0/52

All: 0.005+/-0.000 χ^2/NDF: 8803542.5/97

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.616+/-0.000 χ^2/NDF: 43228992788.8/21

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

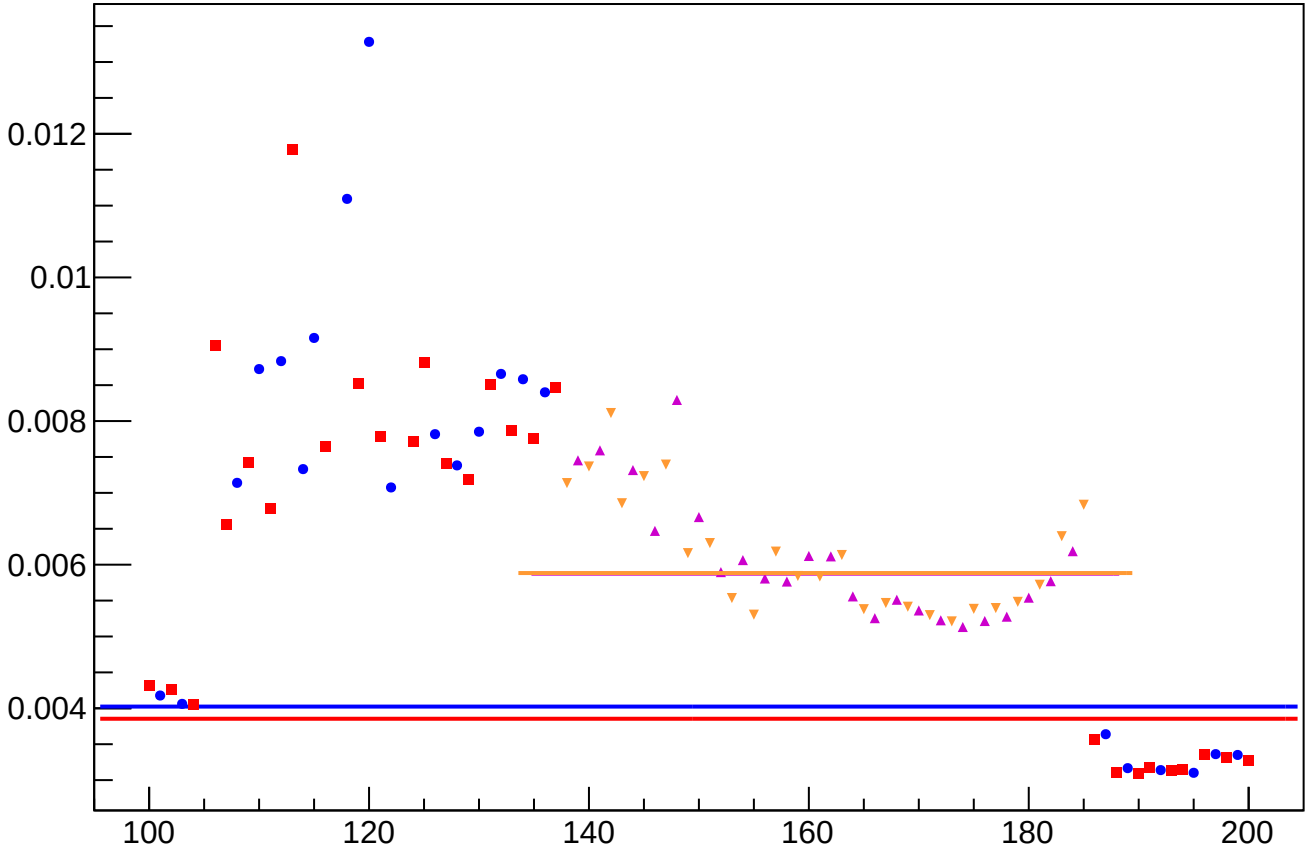
Right: 0.597+/-0.000 χ^2/NDF: 87121051433.9/49

In: 0.300+/-0.000 χ^2/NDF:505411715154.5/44

Out: 0.312+/-0.000 χ^2/NDF:564372398547.6/52

All: 0.307+/-0.000 χ^2/NDF: 1069877460920.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3310251.9/21

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

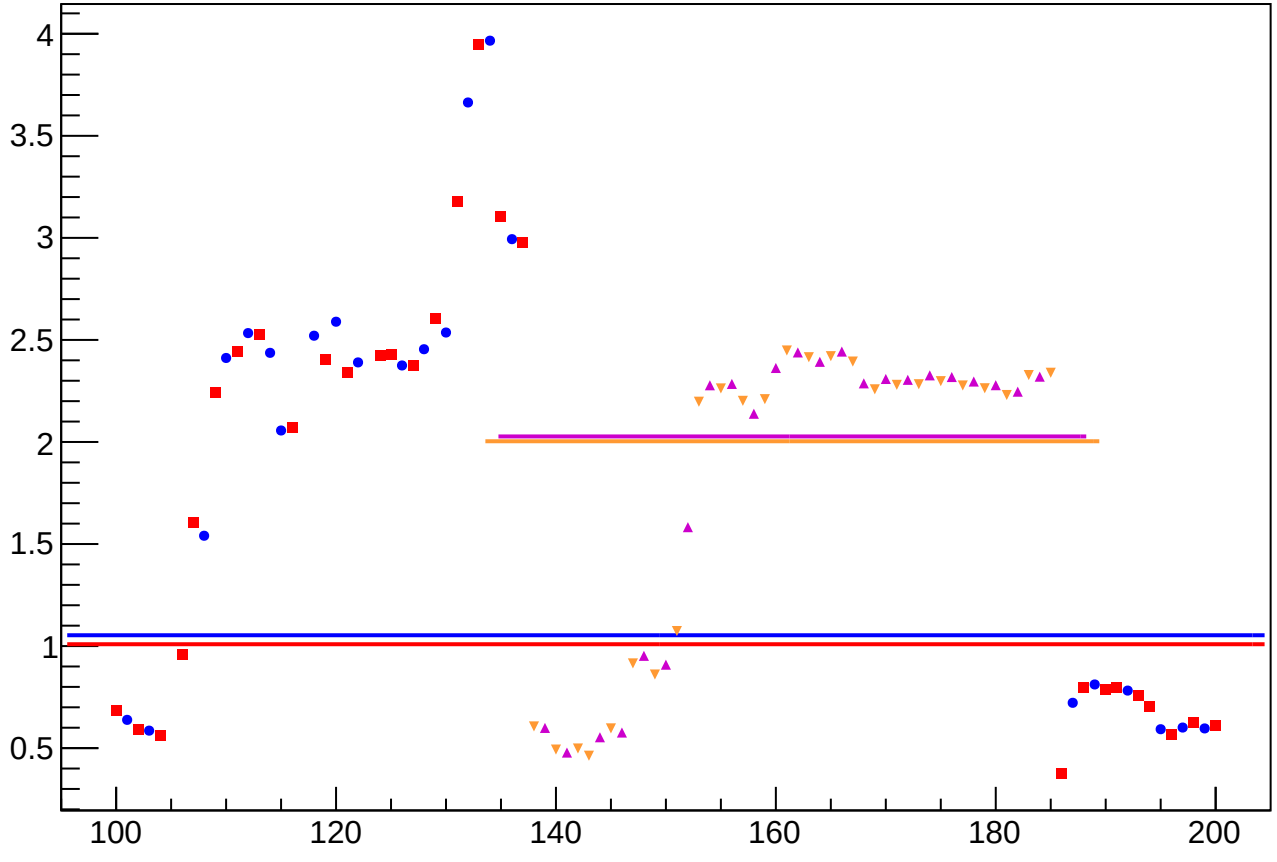
Right: 0.004+/-0.000 χ^2/NDF: 6704991.9/49

In: 0.005+/-0.000 χ^2/NDF:5585925.0/44

Out: 0.005+/-0.000 χ^2/NDF:6306255.8/52

All: 0.005+/-0.000 χ^2/NDF: 11944647.6/97

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.053+/-0.000 χ^2/NDF: 217141453336.8/21

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

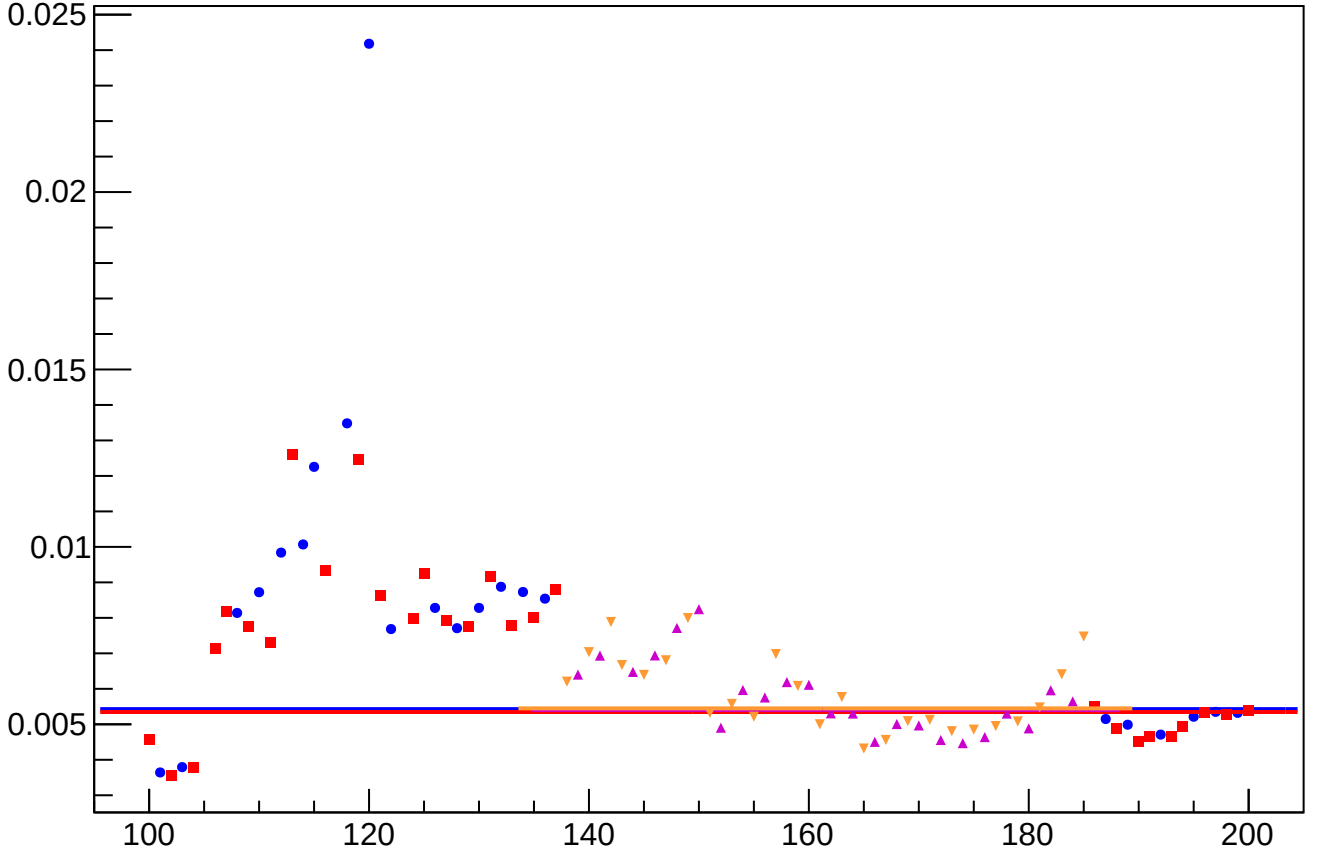
Right: 1.028+/-0.000 χ^2/NDF: 470406642017.0/49

In: 1.669+/-0.000 χ^2/NDF:596833787460.6/44

Out: 1.587+/-0.000 χ^2/NDF:700637413277.0/52

All: 1.626+/-0.000 χ^2/NDF: 1300498578603.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2306926.5/21

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

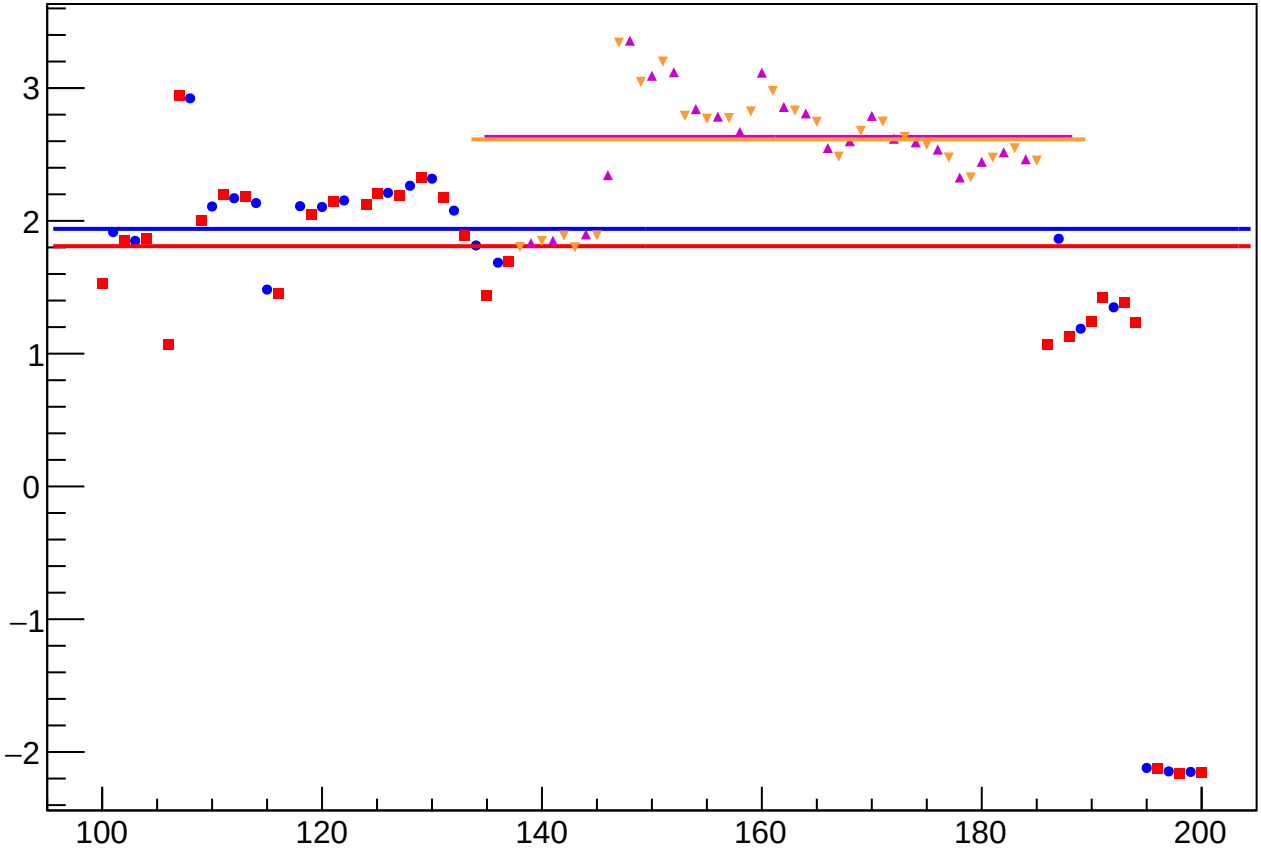
Right: 0.005+/-0.000 χ^2/NDF: 4433738.9/49

In: 0.005+/-0.000 χ^2/NDF:3122270.2/44

Out: 0.005+/-0.000 χ^2/NDF:2900768.4/52

All: 0.005+/-0.000 χ^2/NDF: 6023085.1/97

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.940+/-0.000 χ^2/NDF: 80284271713.3/21

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

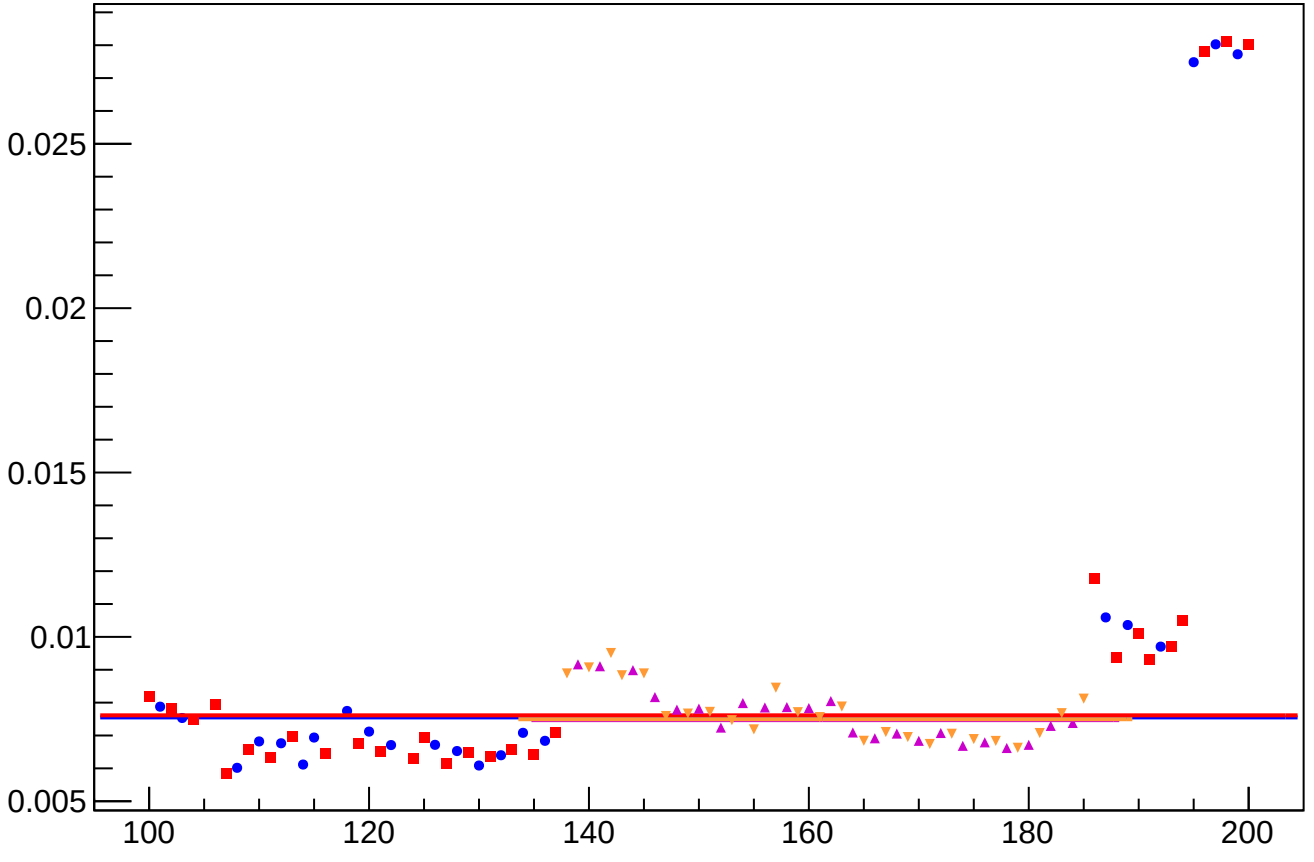
Right: 1.869+/-0.000 χ^2/NDF: 170726048068.6/49

In: 2.390+/-0.000 χ^2/NDF:172828906441.4/44

Out: 2.308+/-0.000 χ^2/NDF:214533094716.7/52

All: 2.348+/-0.000 χ^2/NDF: 389025981516.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3205857.9/21

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

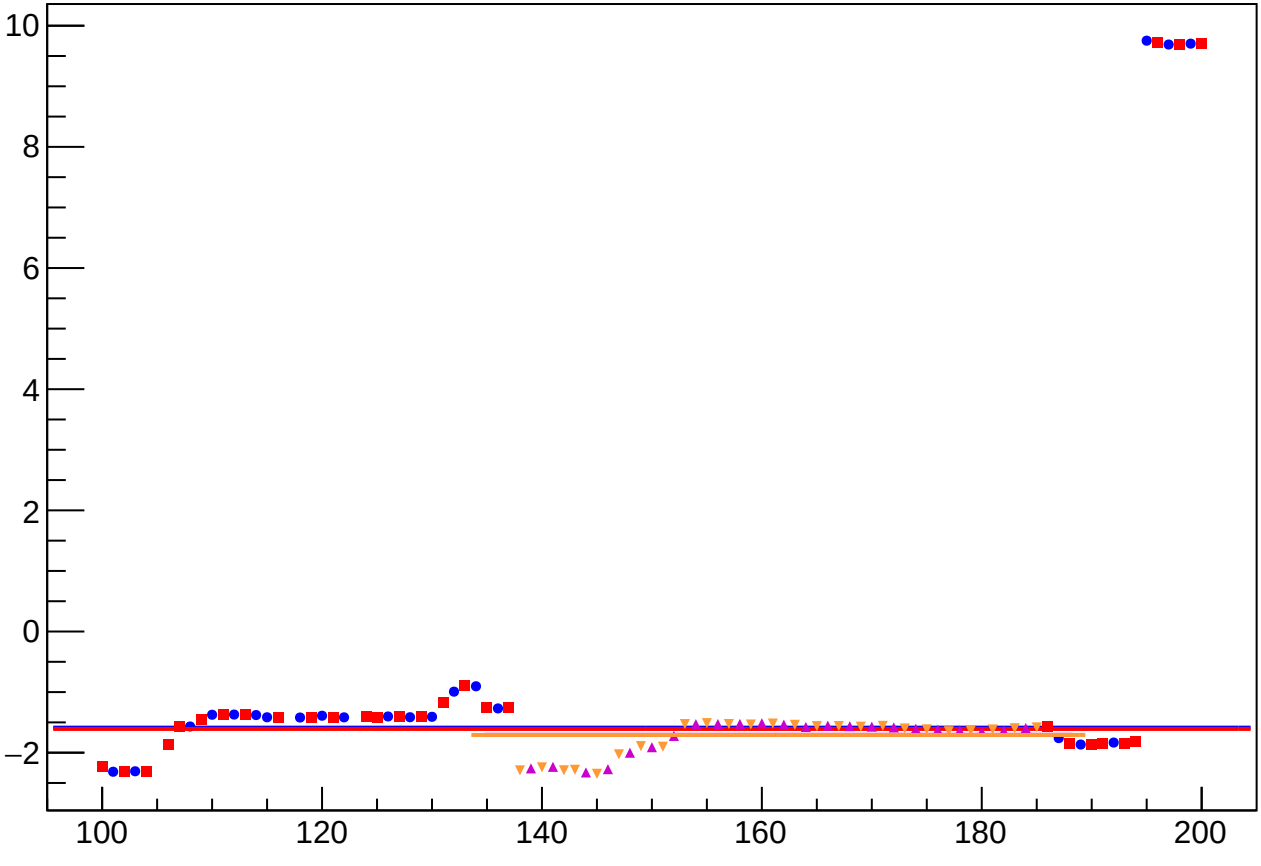
Right: 0.008+/-0.000 χ^2/NDF: 6667925.1/49

In: 0.007+/-0.000 χ^2/NDF:3529256.5/44

Out: 0.008+/-0.000 χ^2/NDF:3797462.0/52

All: 0.008+/-0.000 χ^2/NDF: 7327660.7/97

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.587+/-0.000 χ^2/NDF: 275092807116.8/21

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

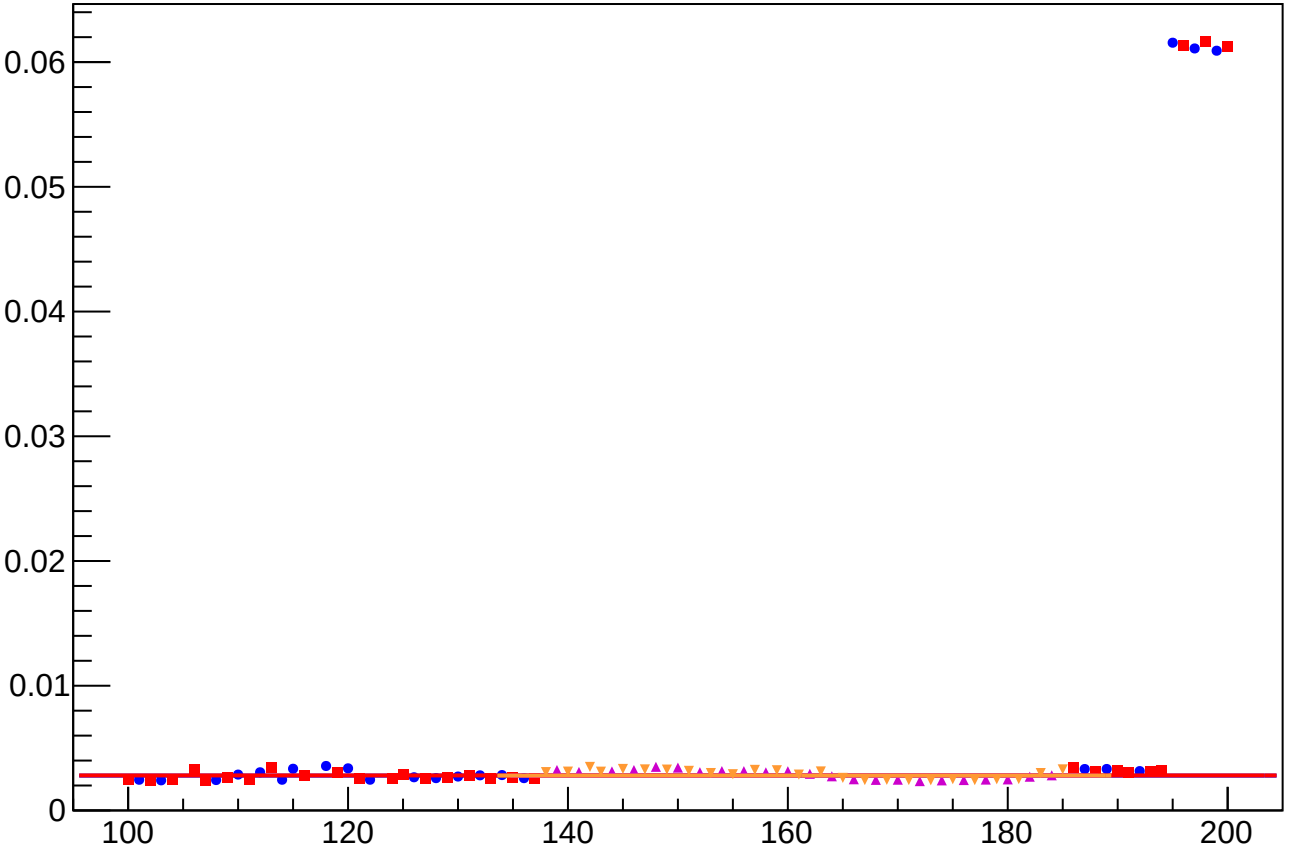
Right: -1.598+/-0.000 χ^2/NDF: 556400562046.9/49

In: -1.666+/-0.000 χ^2/NDF:421888568085.5/44

Out: -1.671+/-0.000 χ^2/NDF:441214195143.4/52

All: -1.669+/-0.000 χ^2/NDF: 863145702894.5

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4995981.2/21

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

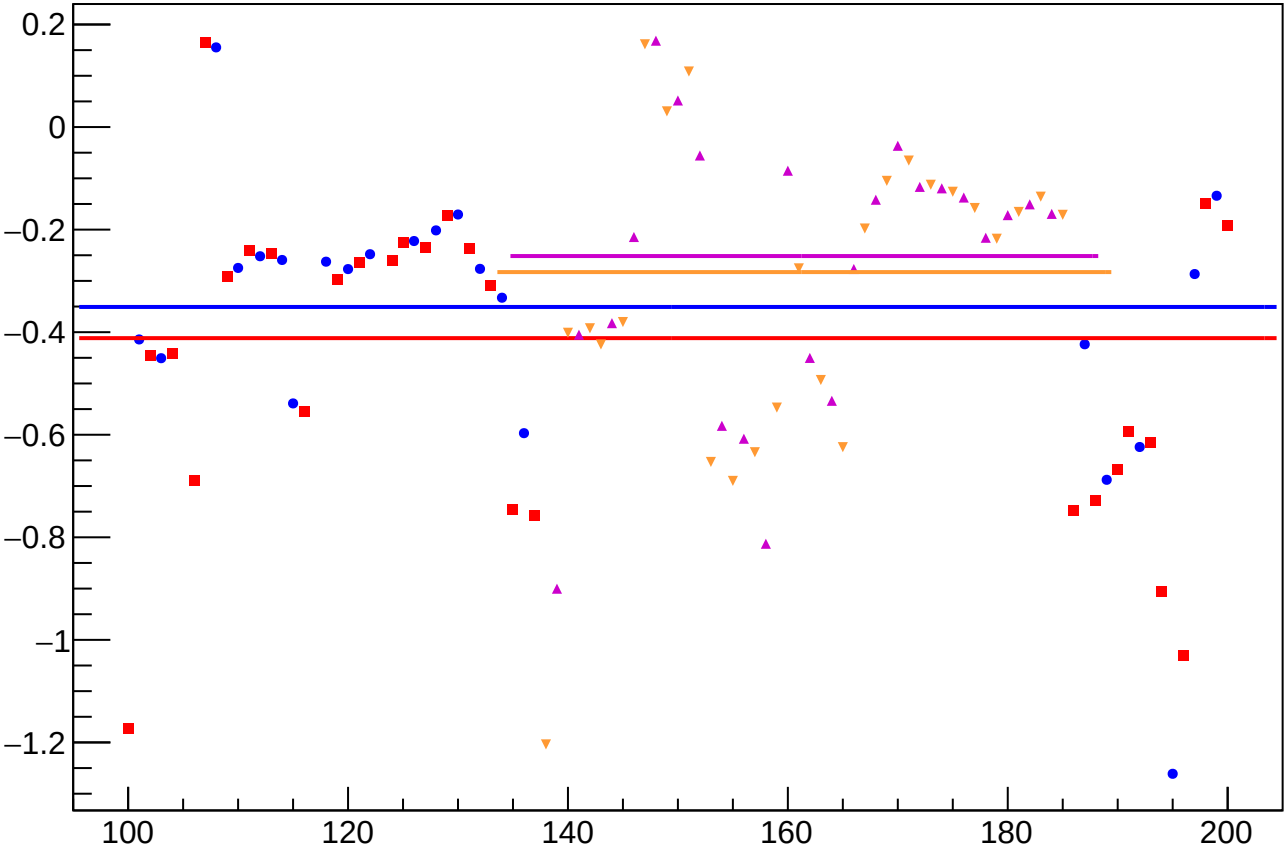
Right: 0.003+/-0.000 χ^2/NDF: 9897374.0/49

In: 0.003+/-0.000 χ^2/NDF:5553223.0/44

Out: 0.003+/-0.000 χ^2/NDF:5449126.7/52

All: 0.003+/-0.000 χ^2/NDF: 11003005.7/97

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.351+/-0.000 χ^2/NDF: 4766699859.5/21

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

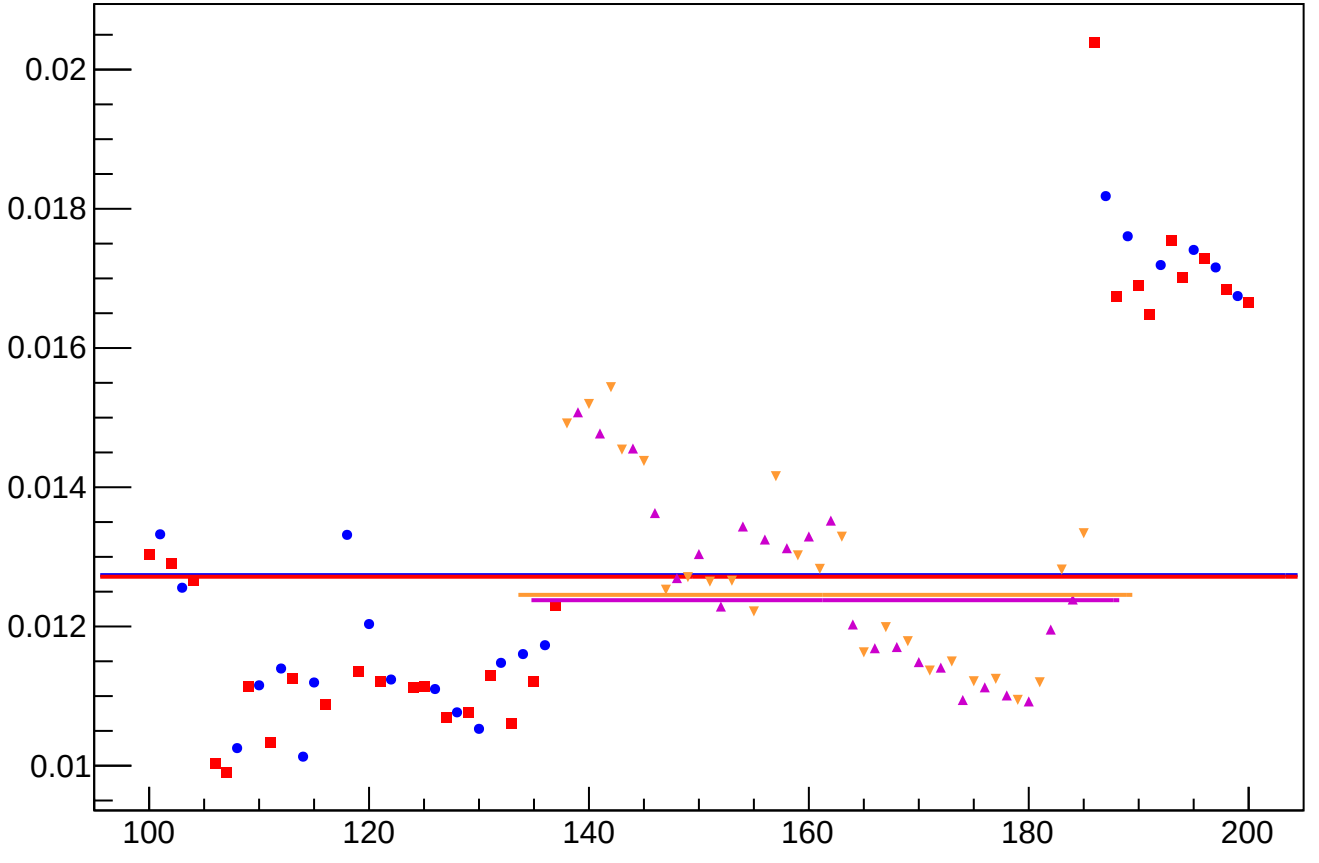
Right: -0.384+/-0.000 χ^2/NDF: 10598084759.6/49

In: -0.288+/-0.000 χ^2/NDF:12345837288.1/44

Out: -0.335+/-0.000 χ^2/NDF:15826378532.8/52

All: -0.313+/-0.000 χ^2/NDF: 28373695530.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 812737.6/21

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

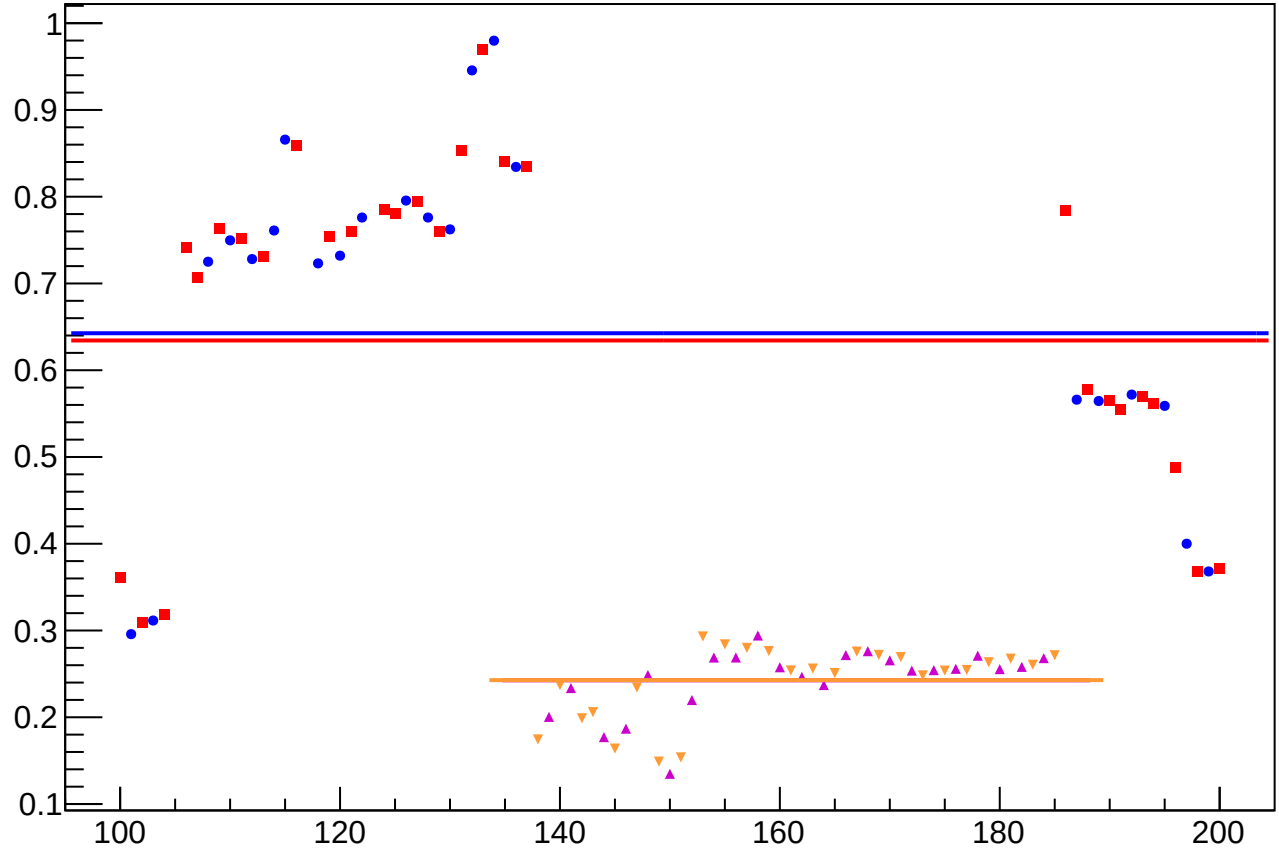
Right: 0.013+/-0.000 χ^2/NDF: 1993571.5/49

In: 0.013+/-0.000 χ^2/NDF:1150504.4/44

Out: 0.013+/-0.000 χ^2/NDF:1528652.2/52

All: 0.013+/-0.000 χ^2/NDF: 2679594.6/97

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.643+/-0.000 χ^2/NDF: 68969369191.3/21

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

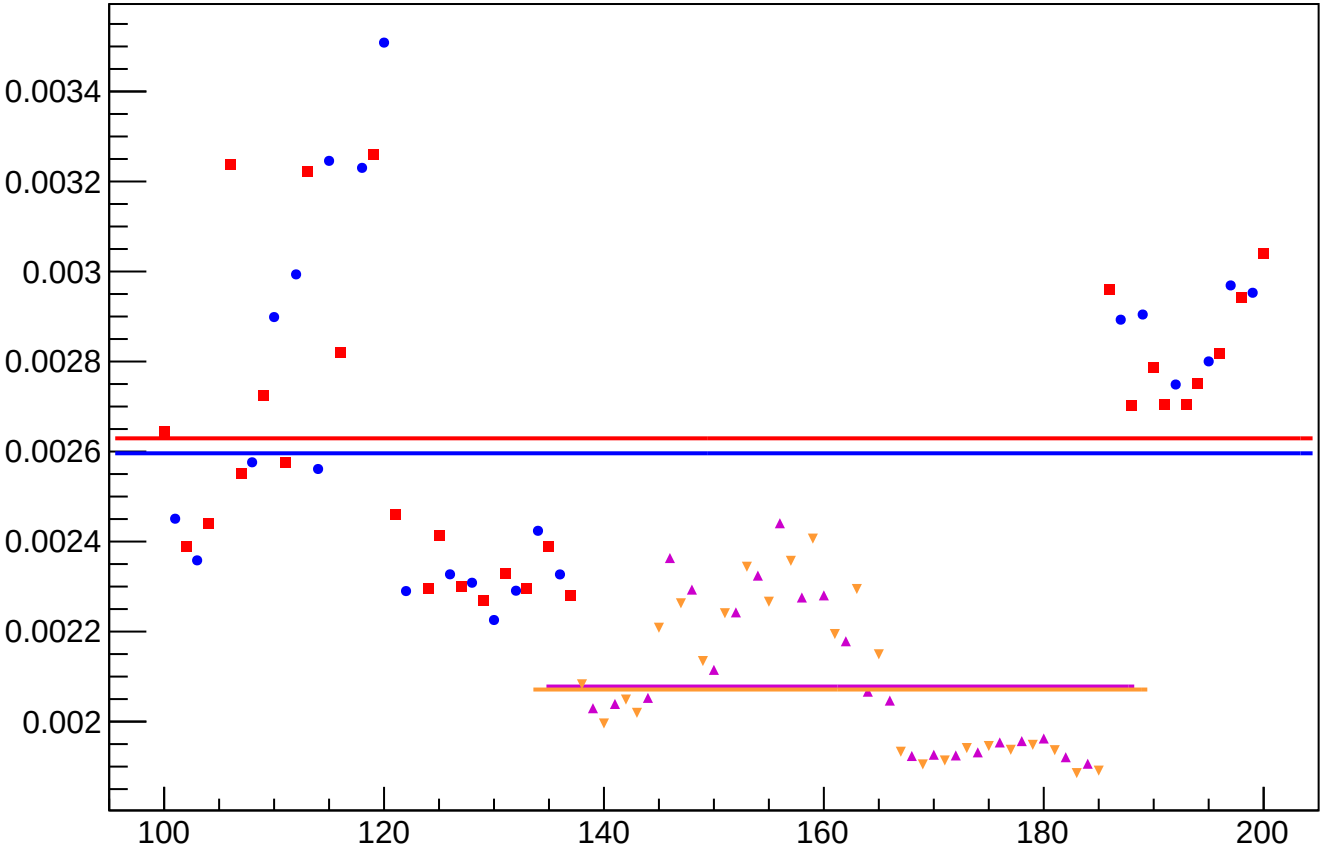
Right: 0.638+/-0.000 χ^2/NDF: 138451164256.6/49

In: 0.354+/-0.000 χ^2/NDF:262106509779.1/44

Out: 0.359+/-0.000 χ^2/NDF:279906465275.5/52

All: 0.357+/-0.000 χ^2/NDF: 542091424766.7

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 323534.2/21

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

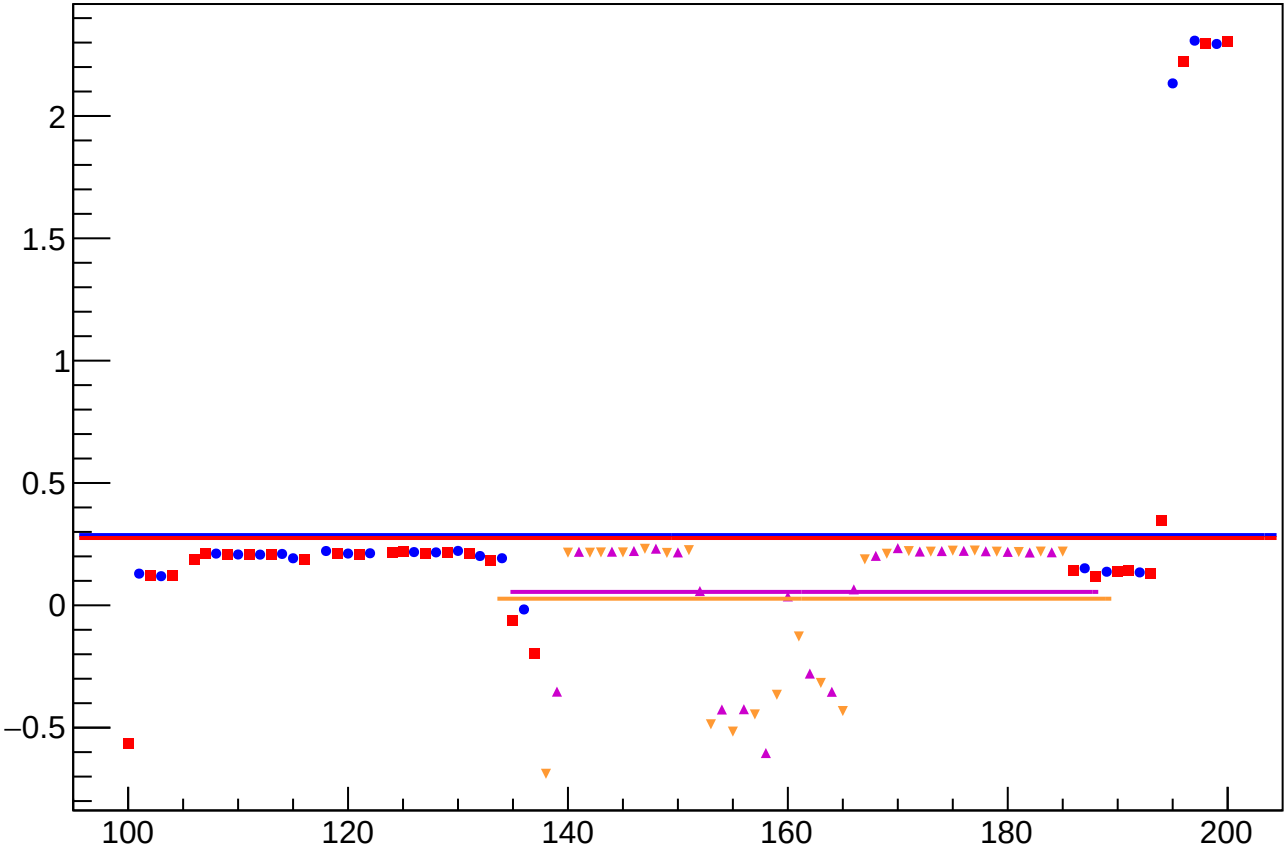
Right: 0.003+/-0.000 χ^2/NDF: 616113.9/49

In: 0.002+/-0.000 χ^2/NDF:1163844.9/44

Out: 0.002+/-0.000 χ^2/NDF:1350363.8/52

All: 0.002+/-0.000 χ^2/NDF: 2515544.1/97

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.287+/-0.000 χ^2/NDF: 19148356645.5/21

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

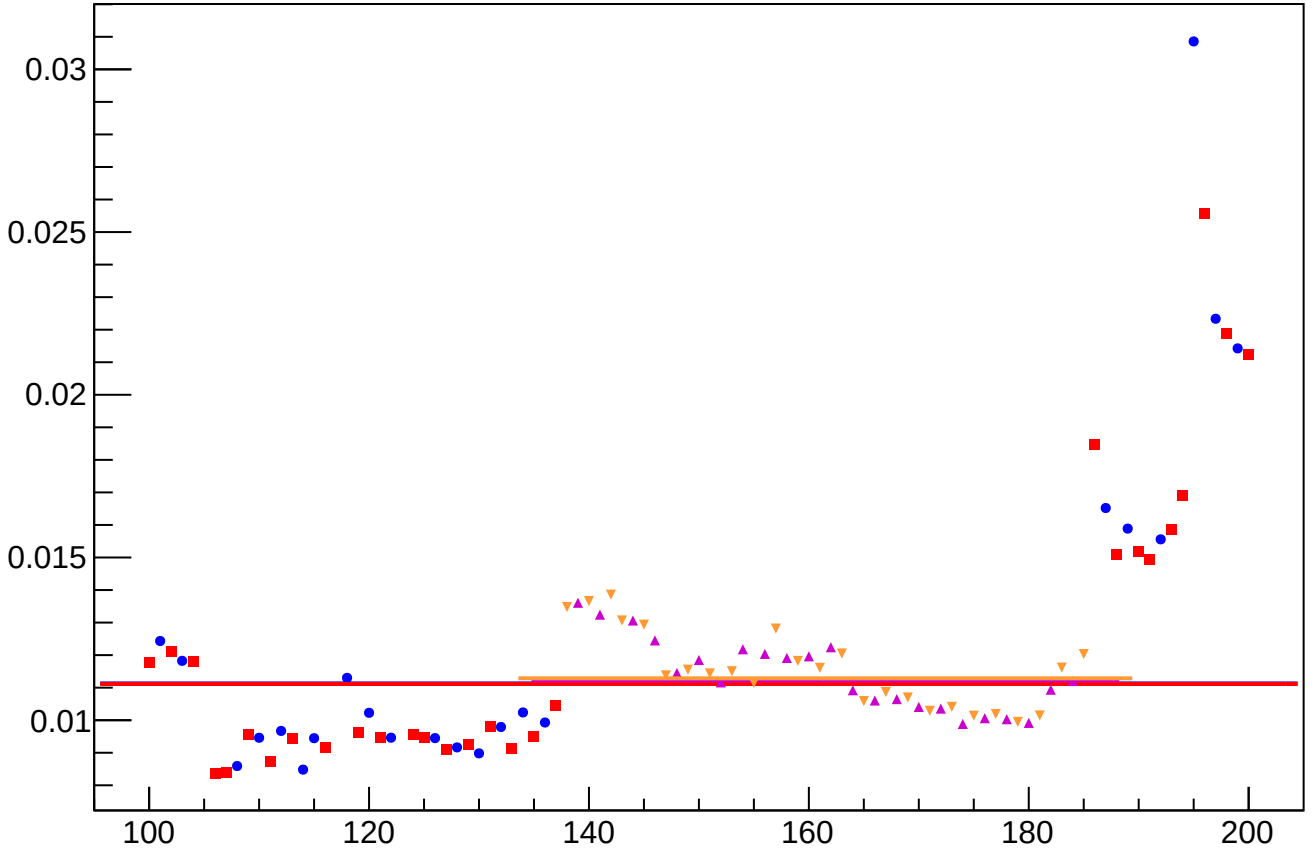
Right: 0.281+/-0.000 χ^2/NDF: 41075549732.1/49

In: 0.141+/-0.000 χ^2/NDF:31610238816.6/44

Out: 0.127+/-0.000 χ^2/NDF:38468704936.8/52

All: 0.134+/-0.000 χ^2/NDF: 70100719962.9/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2193189.3/21

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

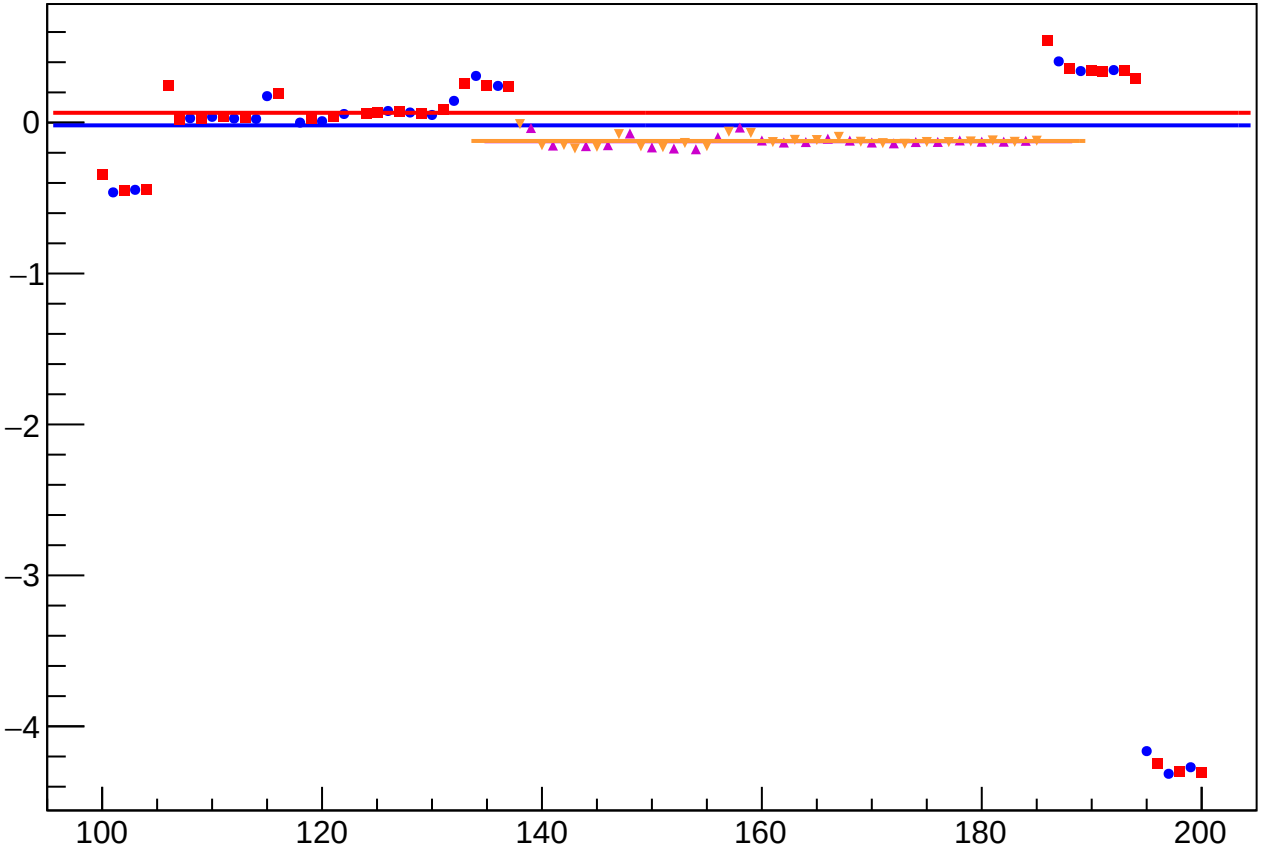
Right: 0.011+/-0.000 χ^2/NDF: 4690543.7/49

In: 0.011+/-0.000 χ^2/NDF:2509317.5/44

Out: 0.011+/-0.000 χ^2/NDF:2829077.5/52

All: 0.011+/-0.000 χ^2/NDF: 5338578.4/97

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.000 χ^2/NDF: 157515875138.7/21

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

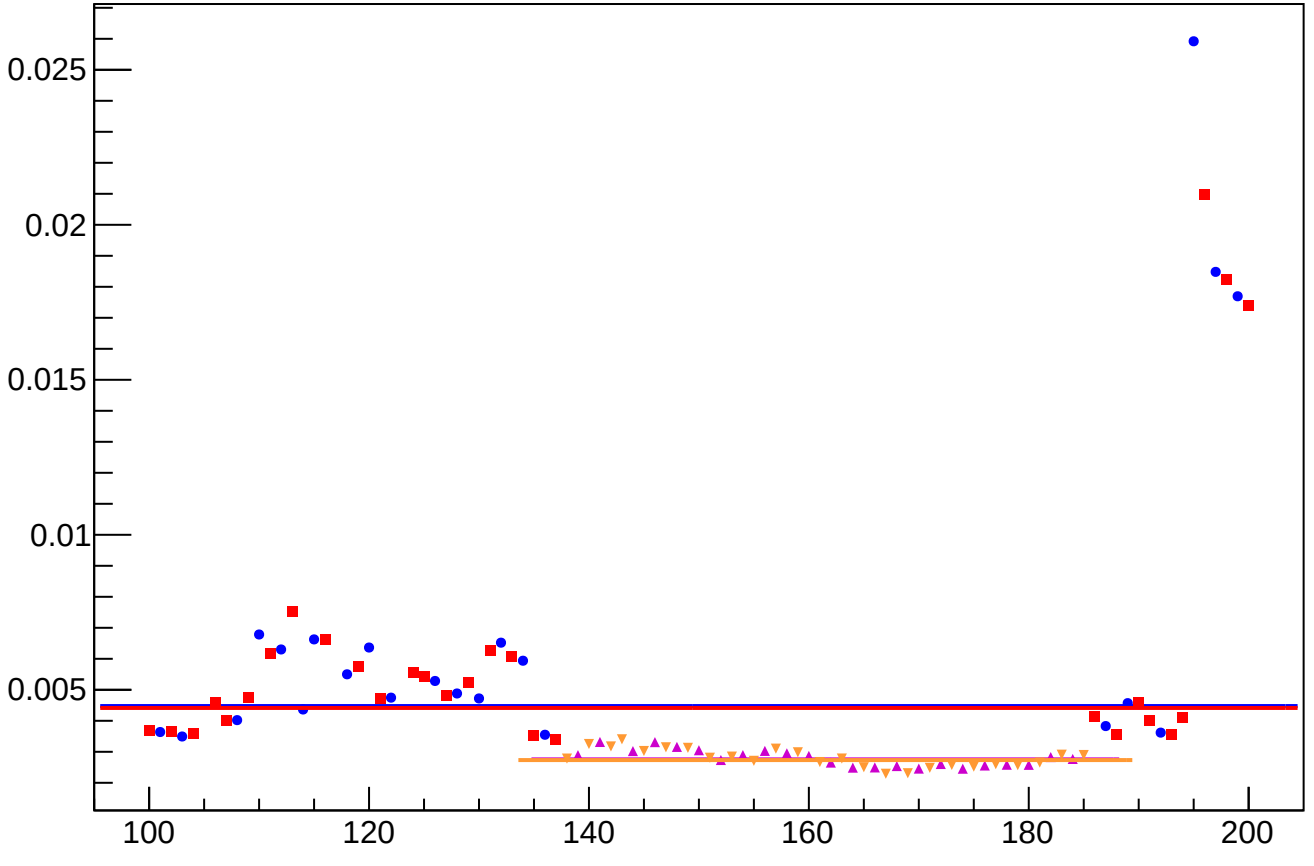
Right: 0.028+/-0.000 χ^2/NDF: 342579722835.9/49

In: -0.107+/-0.000 χ^2/NDF:164356562598.1/44

Out: -0.088+/-0.000 χ^2/NDF:201854898892.6/52

All: -0.097+/-0.000 χ^2/NDF: 366728061152.5

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3920369.6/21

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

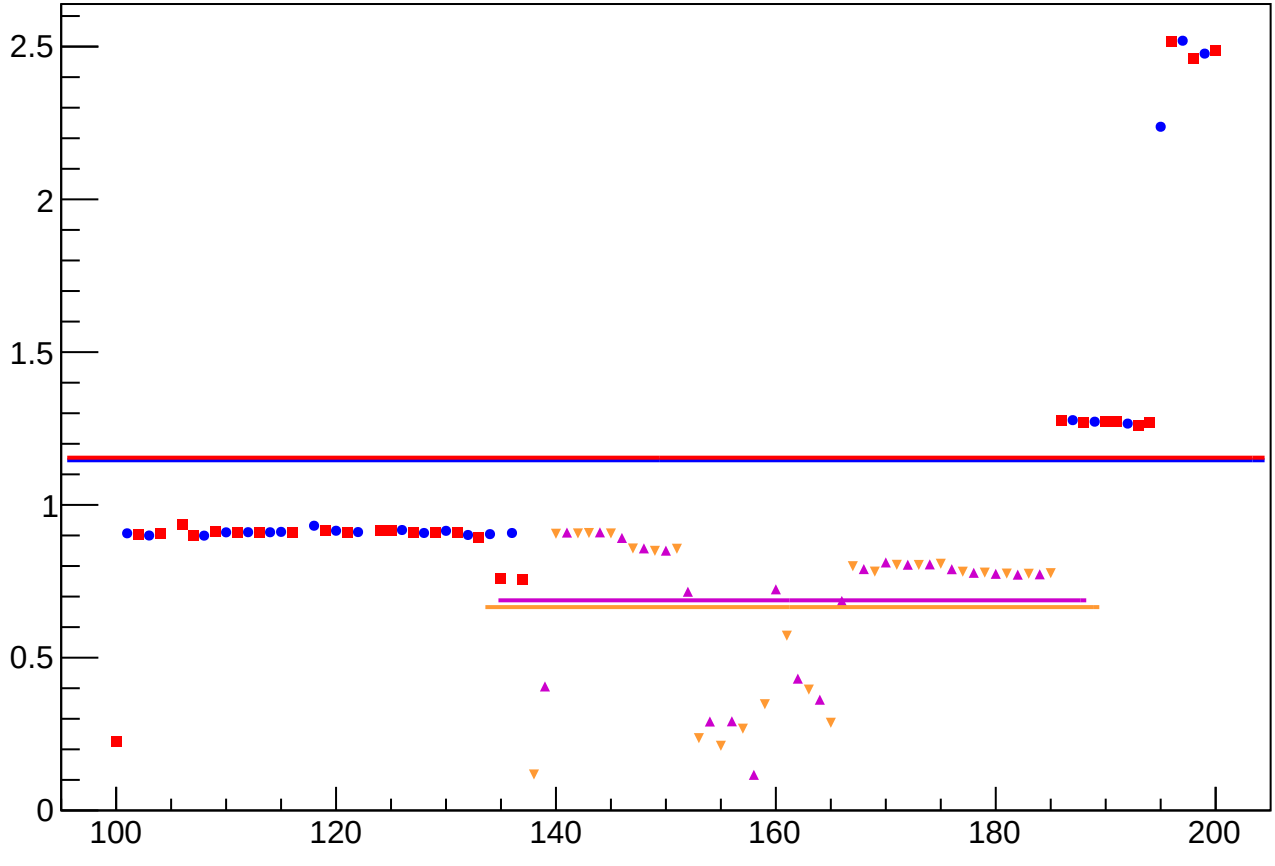
Right: 0.004+/-0.000 χ^2/NDF: 7764508.0/49

In: 0.003+/-0.000 χ^2/NDF:6364835.9/44

Out: 0.003+/-0.000 χ^2/NDF:6759640.5/52

All: 0.003+/-0.000 χ^2/NDF: 13124682.5/97

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.146+/-0.000 χ^2/NDF: 20043416117.8/21

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

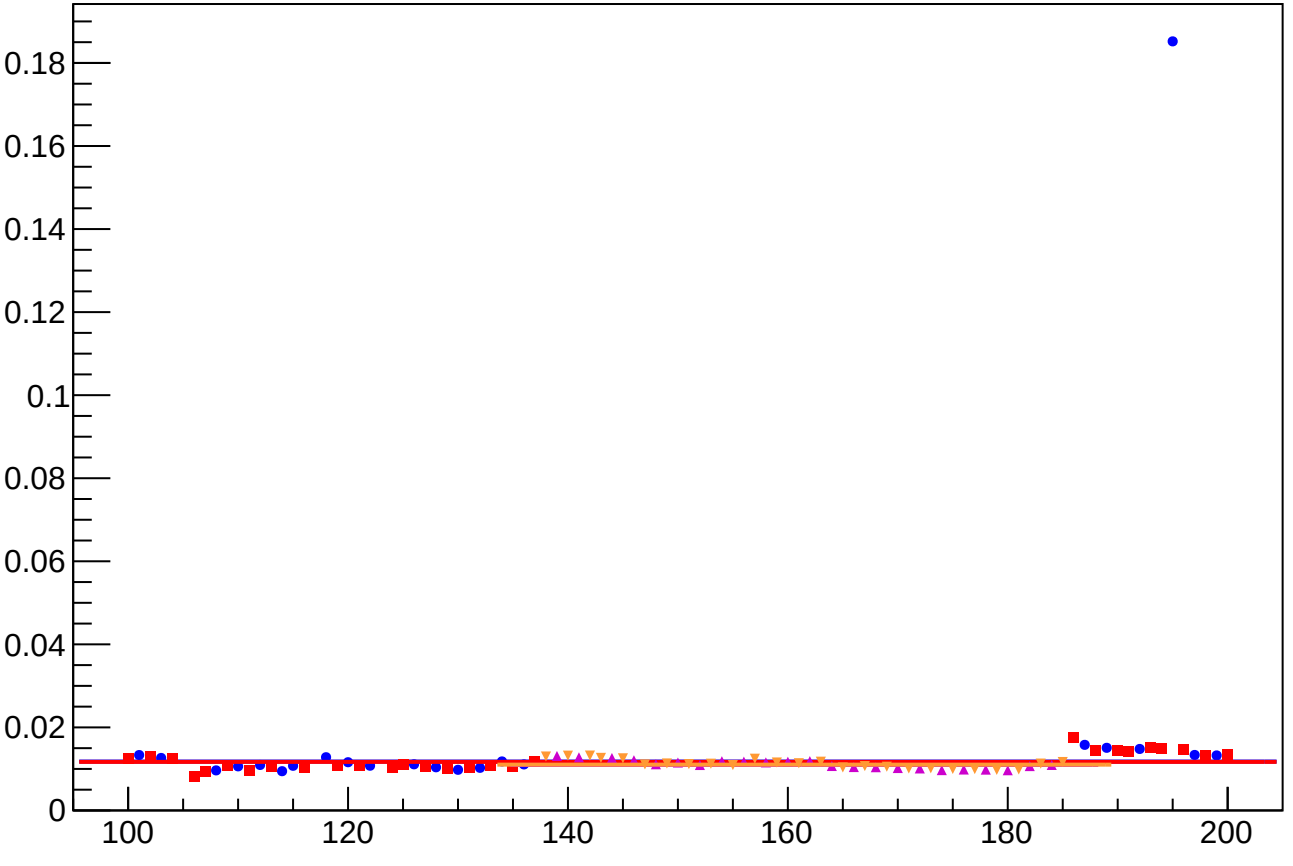
Right: 1.151+/-0.000 χ^2/NDF: 44901310320.6/49

In: 0.841+/-0.000 χ^2/NDF:37240323045.8/44

Out: 0.848+/-0.000 χ^2/NDF:47598940989.6/52

All: 0.845+/-0.000 χ^2/NDF: 84845304509.3/9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1925957.1/21

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

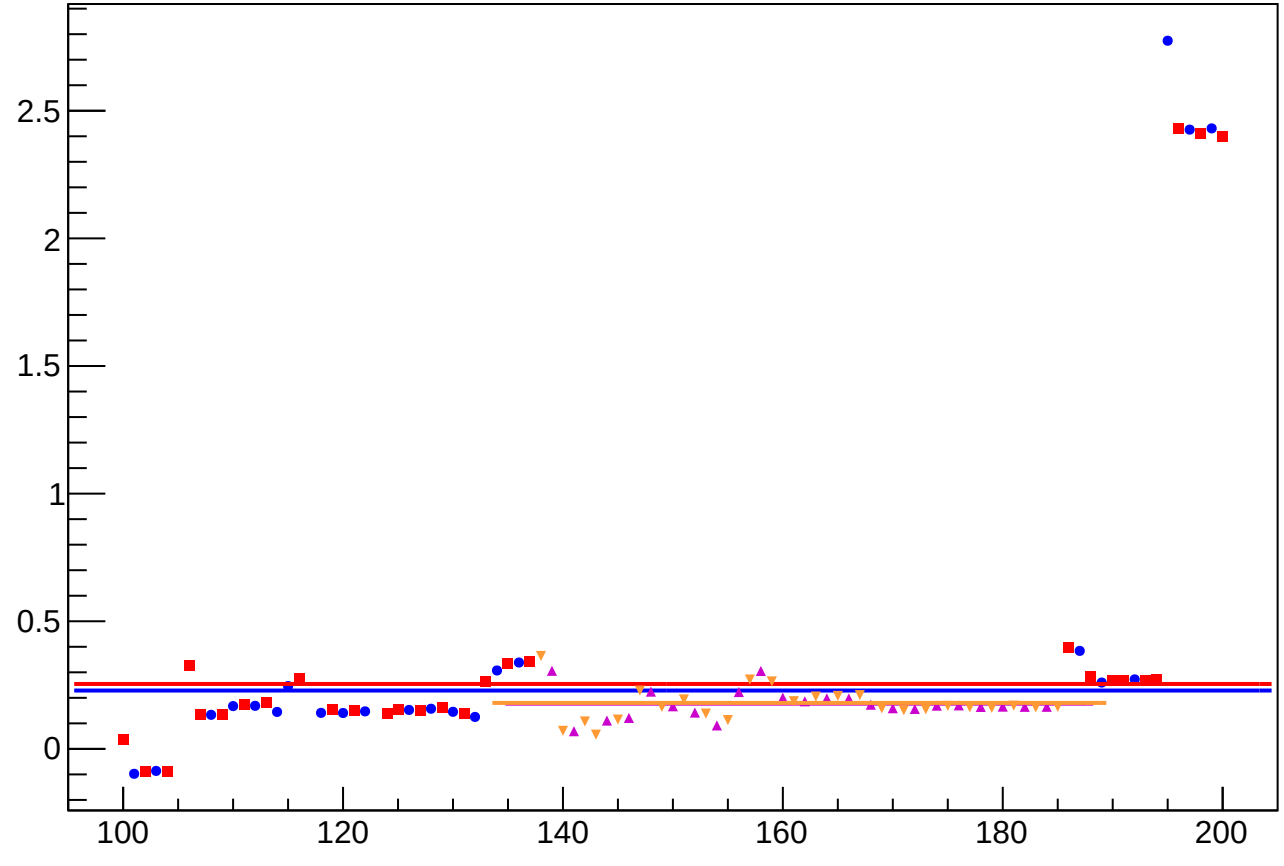
Right: 0.012+/-0.000 χ^2/NDF: 2639775.7/49

In: 0.011+/-0.000 χ^2/NDF:2277766.7/44

Out: 0.011+/-0.000 χ^2/NDF:1063066.8/52

All: 0.011+/-0.000 χ^2/NDF: 3341222.0/97

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.229+/-0.000 χ^2/NDF: 58775604537.4/21

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

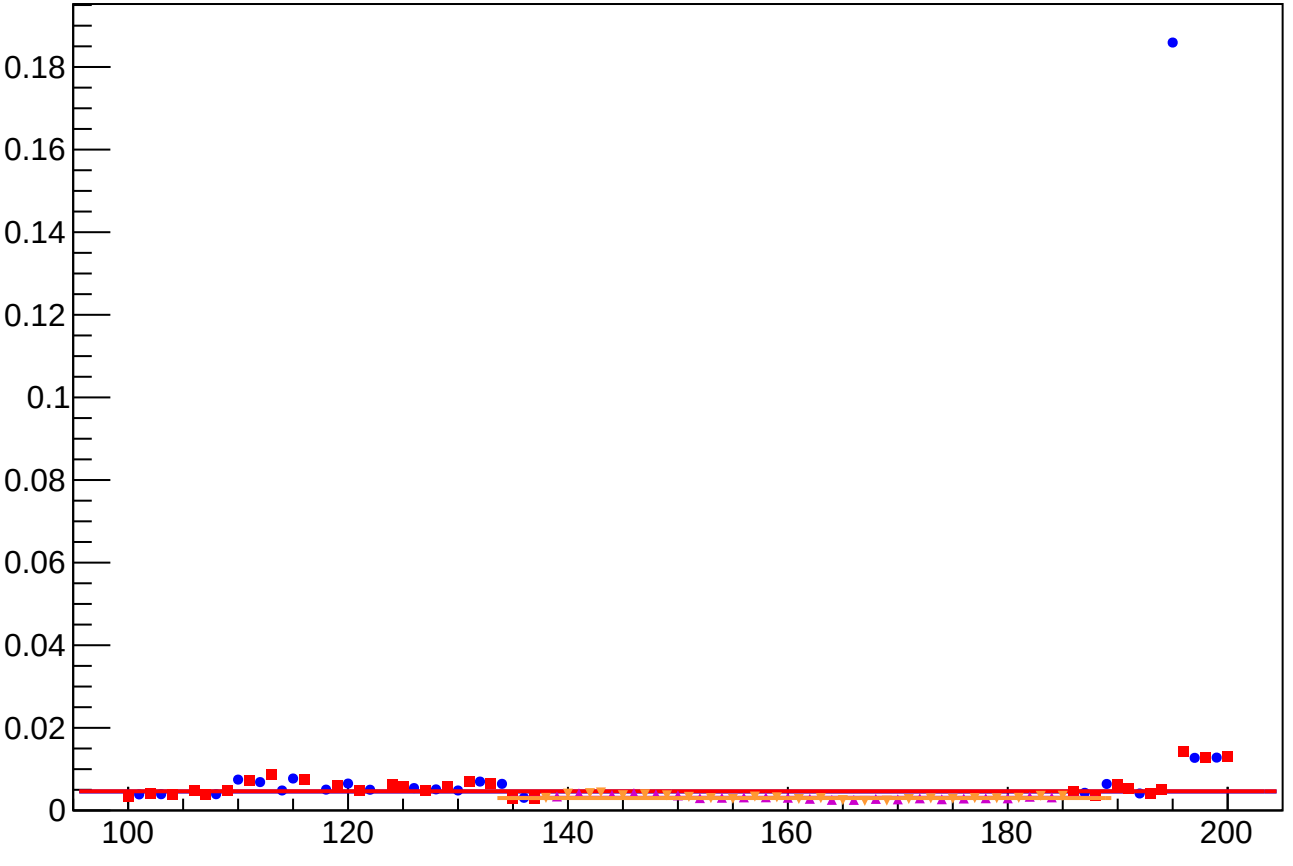
Right: 0.243+/-0.000 χ^2/NDF: 126058126141.8/49

In: 0.187+/-0.000 χ^2/NDF:64244474882.2/44

Out: 0.194+/-0.000 χ^2/NDF:75679055487.9/52

All: 0.191+/-0.000 χ^2/NDF: 139995984549.4

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4032963.4/21

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

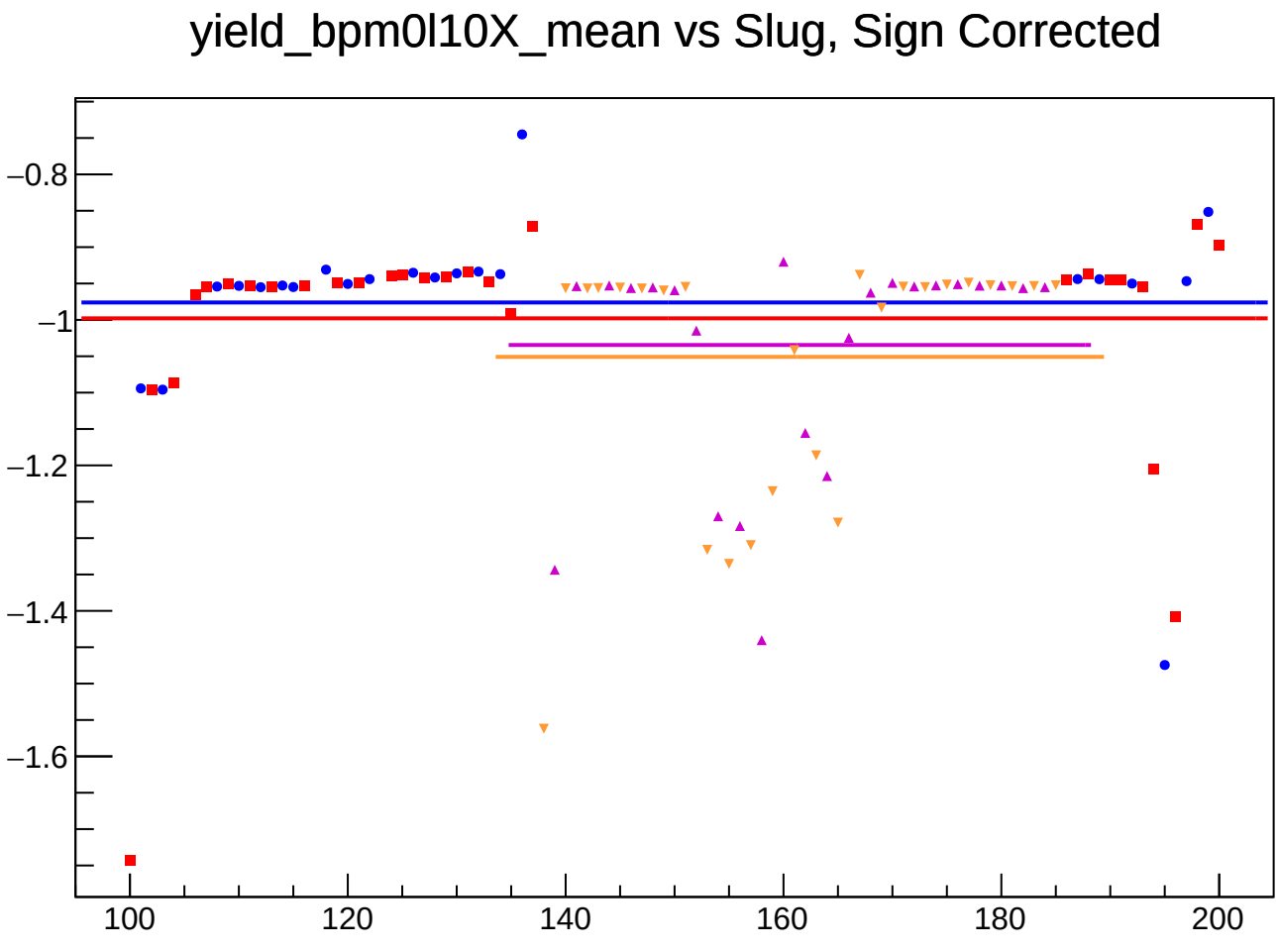
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 7103869.5/49

In: 0.003+/-0.000 χ^2/NDF:6084272.7/44

Out: 0.003+/-0.000 χ^2/NDF:6016330.5/52

All: 0.003+/-0.000 χ^2/NDF: 12102138.4/97



Right In: -0.976+/-0.000 χ^2/NDF: 1811073929.4/21

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

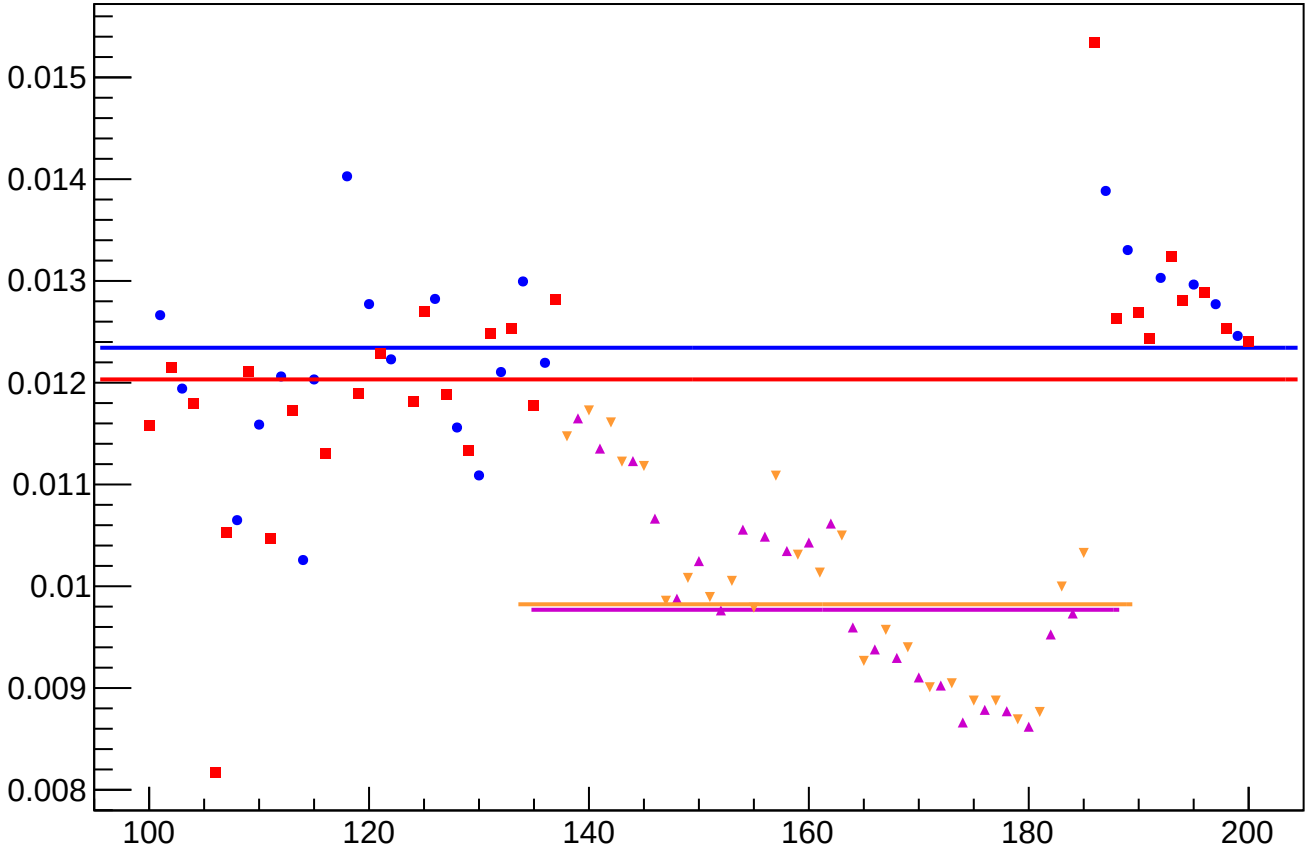
Right: -0.988+/-0.000 χ^2/NDF: 3562758901.7/49

In: -1.018+/-0.000 χ^2/NDF:5914854292.2/44

Out: -1.034+/-0.000 χ^2/NDF:6988070327.8/52

All: -1.026+/-0.000 χ^2/NDF: 12936525503.4/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 91619.1/21

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

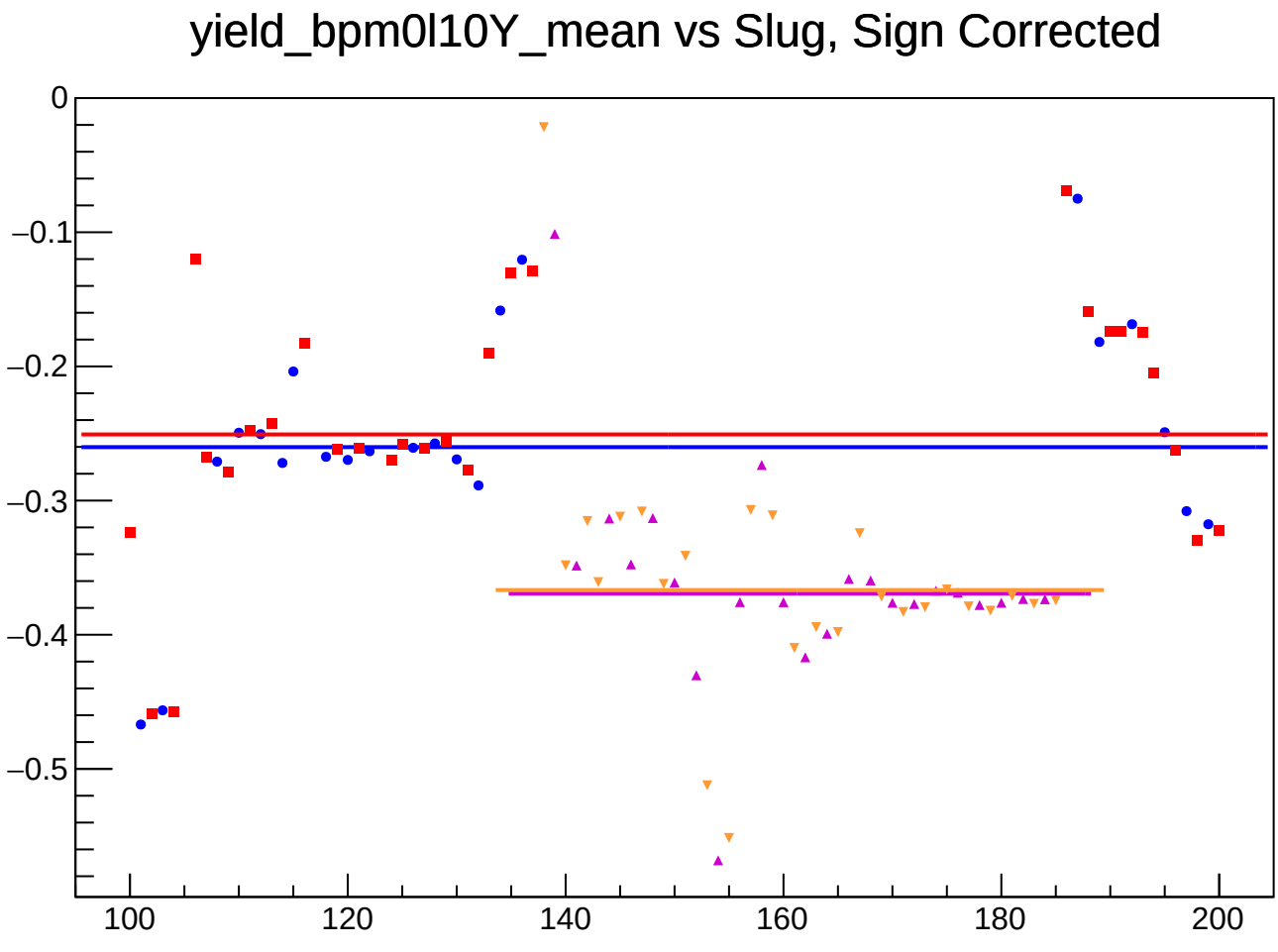
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 354081.5/49

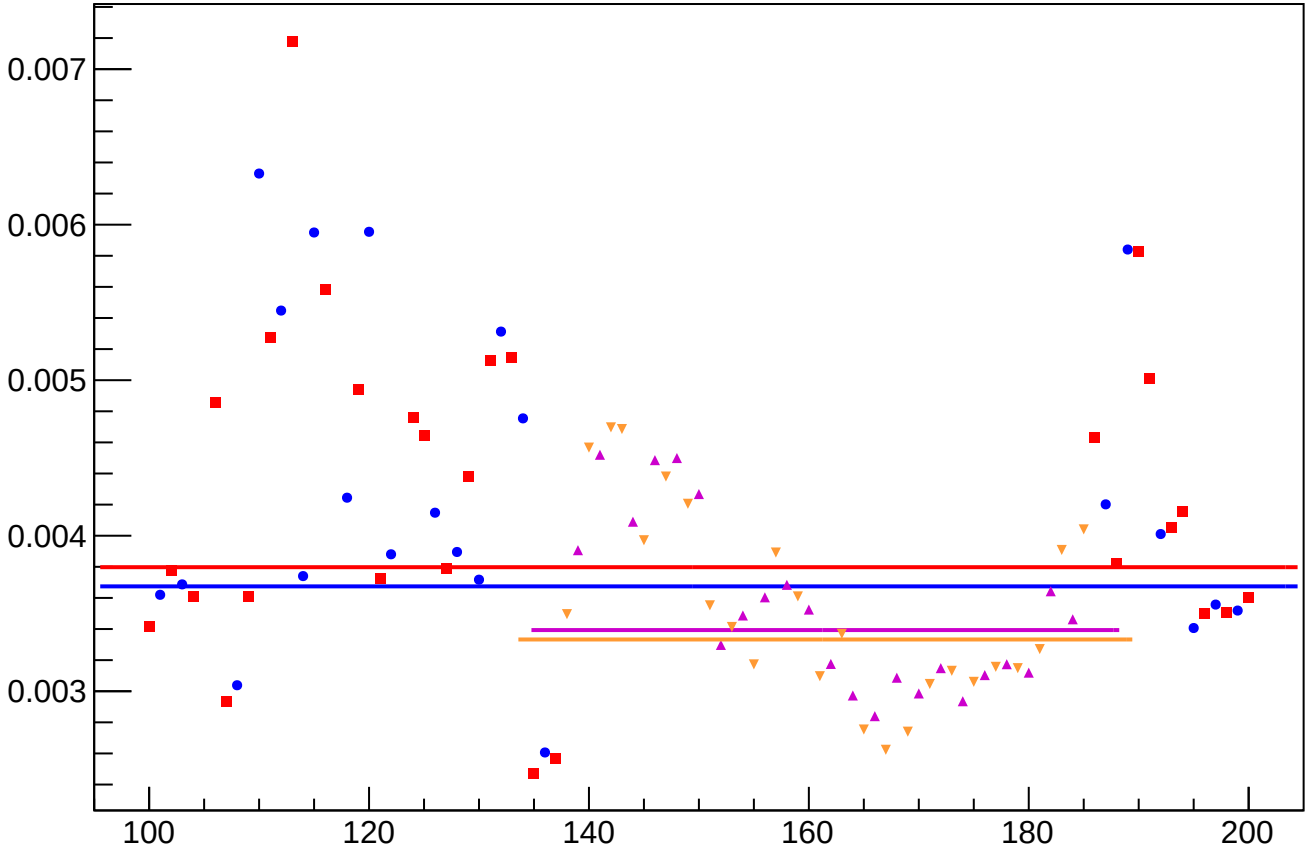
In: 0.010+/-0.000 χ^2/NDF:1063798.6/44

Out: 0.011+/-0.000 χ^2/NDF:1152009.9/52

All: 0.011+/-0.000 χ^2/NDF: 2216178.7/97


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
Right In: -0.260+/-0.000 χ²/NDF: 7360388716.5/21
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.251+/-0.000 χ²/NDF: 7631241394.0/27
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.255+/-0.000 χ²/NDF: 15026103149.1/49
In: -0.333+/-0.000 χ²/NDF:20697603777.7/44
Out: -0.327+/-0.000 χ²/NDF:26842884066.5/52
All: -0.330+/-0.000 χ²/NDF: 47577329843.6/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 901160.2/21

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

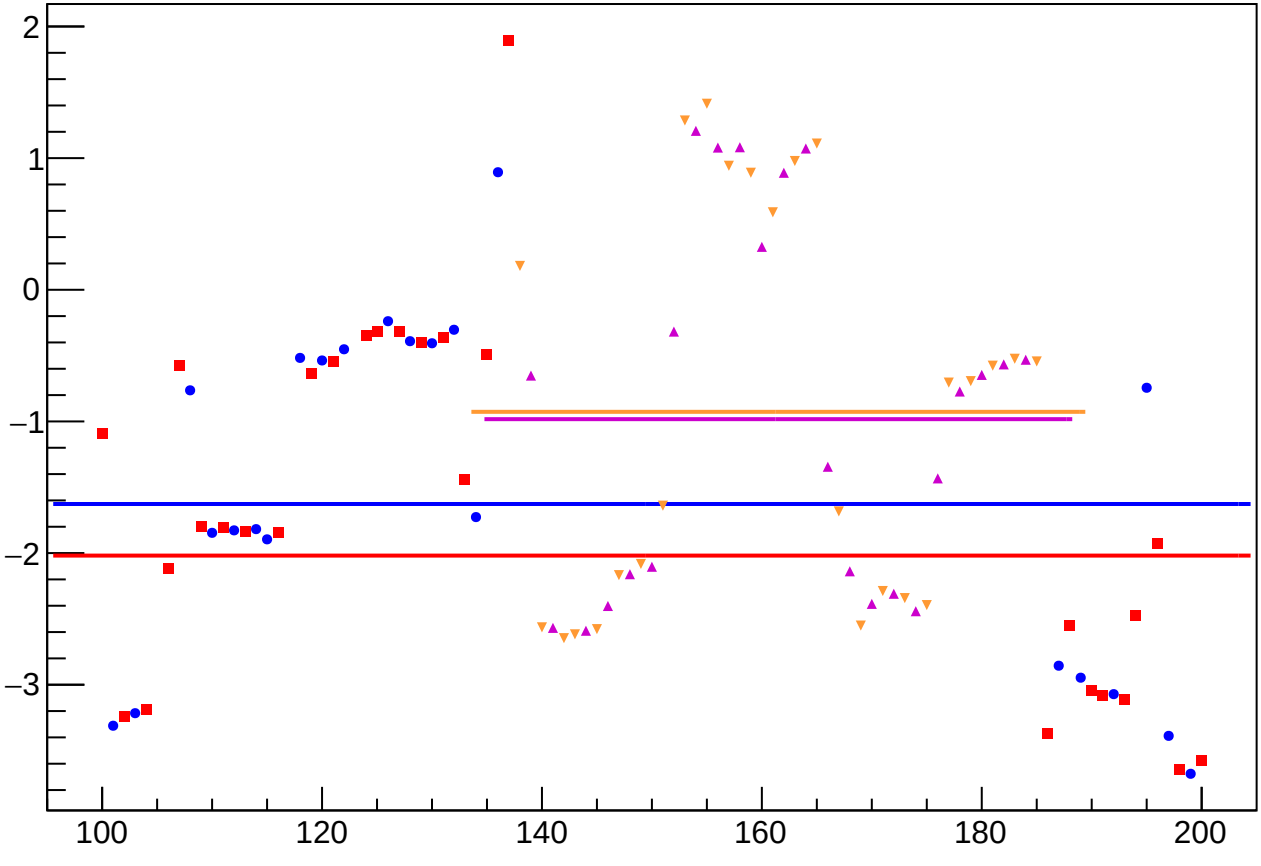
Right: 0.004+/-0.000 χ^2/NDF: 1985390.7/49

In: 0.003+/-0.000 χ^2/NDF:1611024.2/44

Out: 0.003+/-0.000 χ^2/NDF:2163664.8/52

All: 0.003+/-0.000 χ^2/NDF: 3774729.2/97

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.627+/-0.000 χ^2/NDF: 4470068353.7/21

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

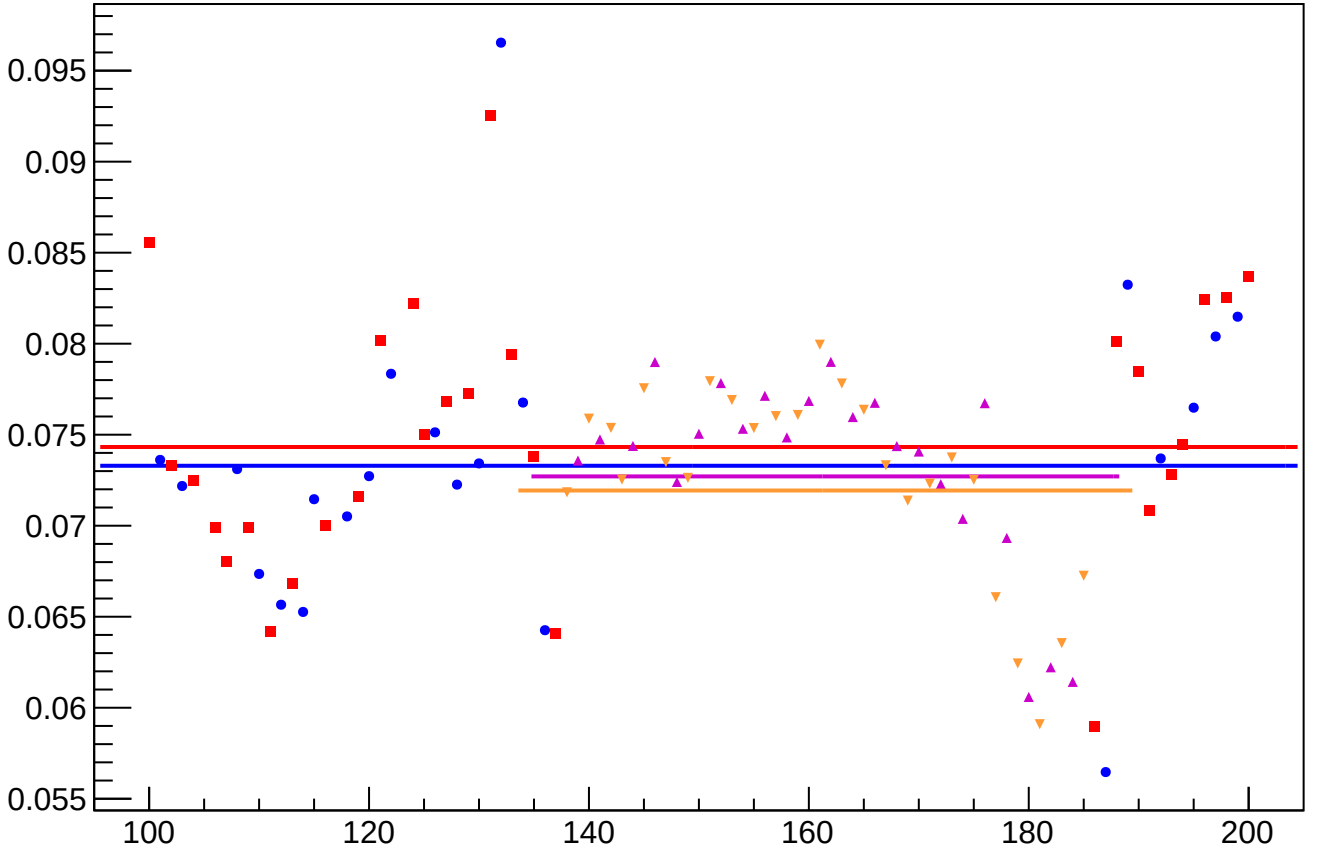
Right: -1.837+/-0.000 χ^2/NDF: 8369178941.0/49

In: -1.229+/-0.000 χ^2/NDF:10925710365.3/44

Out: -1.361+/-0.000 χ^2/NDF:12712925458.5/52

All: -1.298+/-0.000 χ^2/NDF: 23689141067.1/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 189510.7/21

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

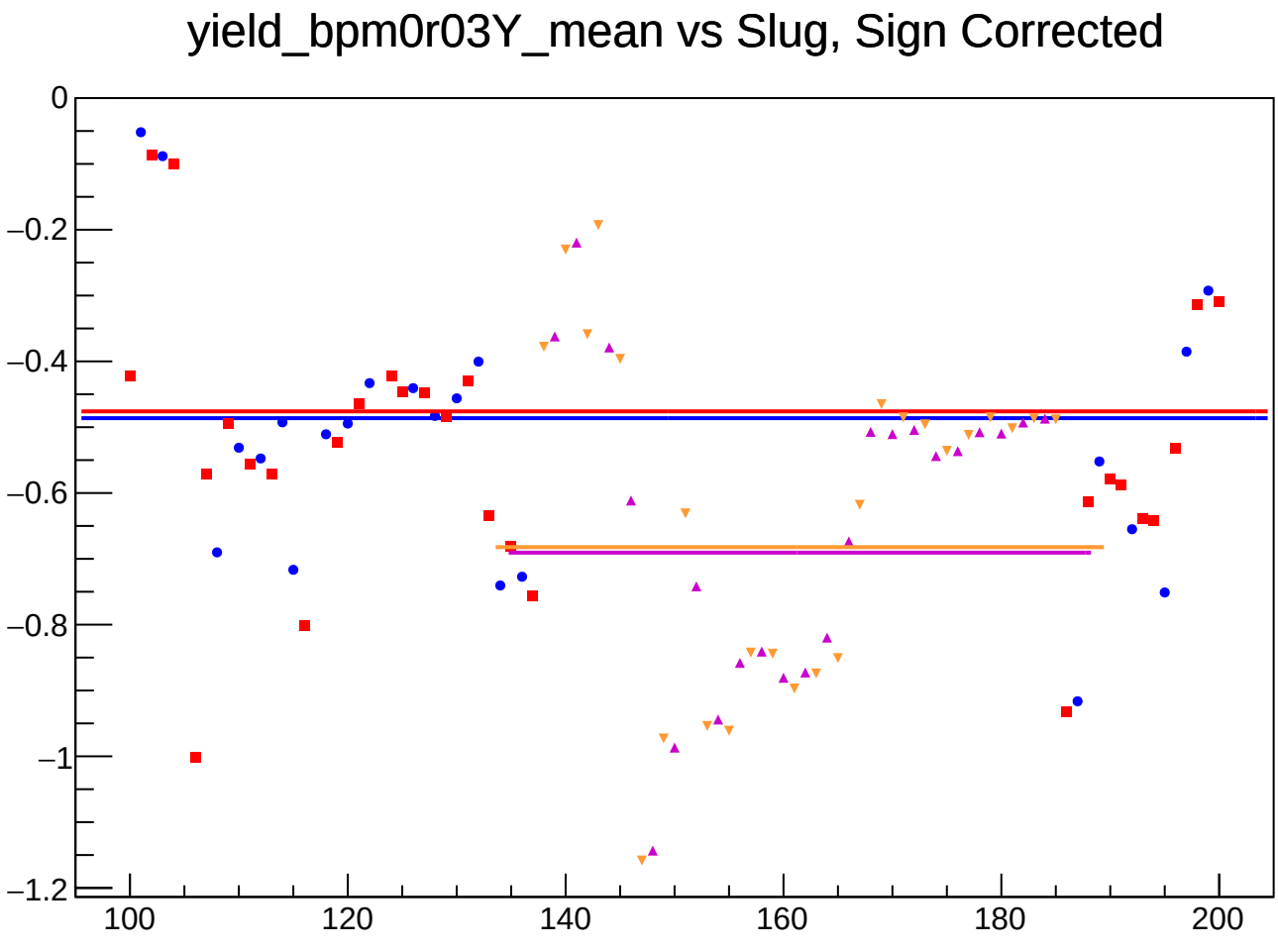
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 417880.2/49

In: 0.073+/-0.000 χ^2/NDF:387400.9/44

Out: 0.073+/-0.000 χ^2/NDF:478156.7/52

All: 0.073+/-0.000 χ^2/NDF: 865570.8/97



Right In: -0.486+/-0.000 χ^2/NDF: 6606901146.9/21

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

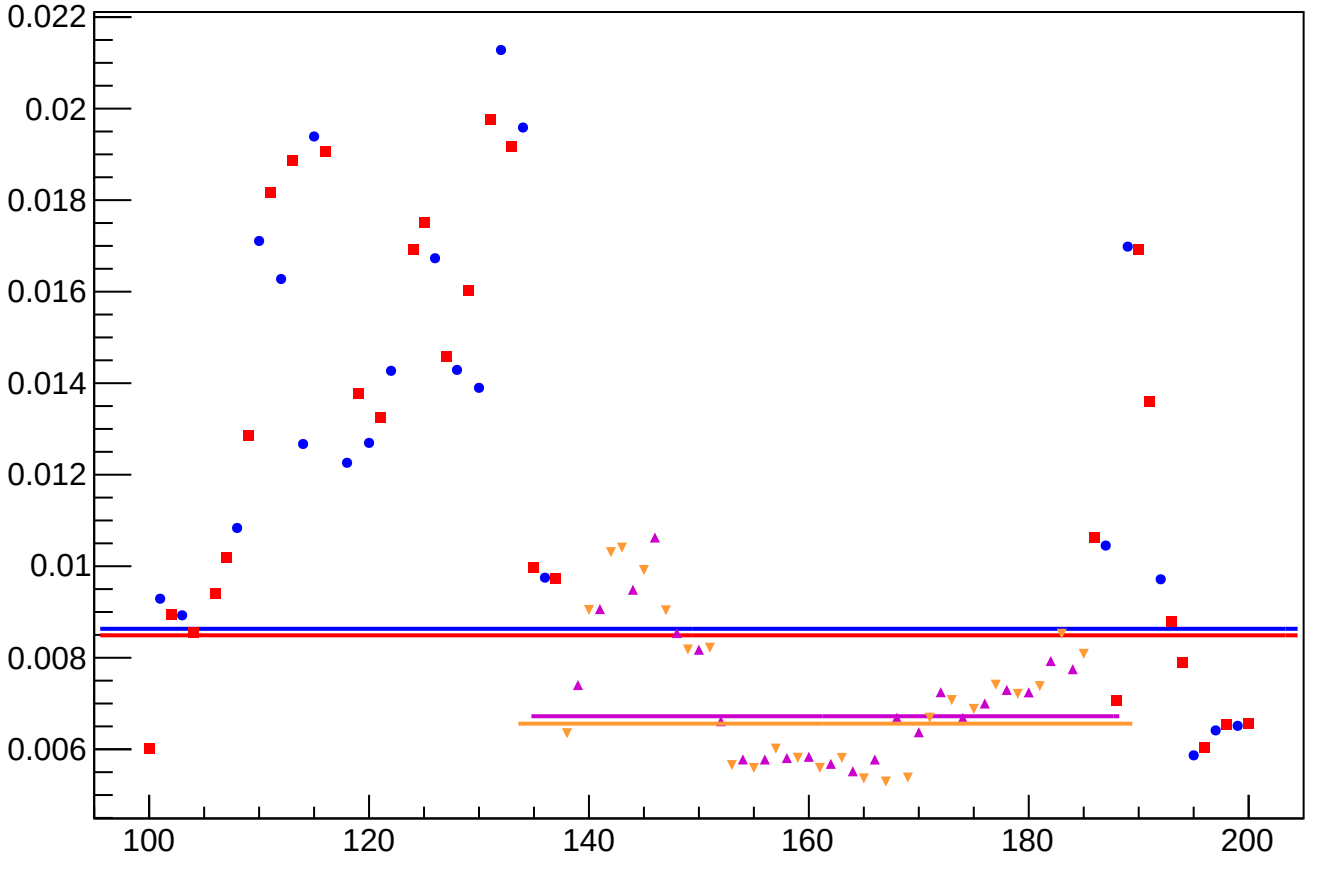
Right: -0.481+/-0.000 χ^2/NDF: 12622624206.7/49

In: -0.639+/-0.000 χ^2/NDF:27348183970.8/44

Out: -0.627+/-0.000 χ^2/NDF:32509849779.5/52

All: -0.633+/-0.000 χ^2/NDF: 59899794722.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2609975.2/21

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

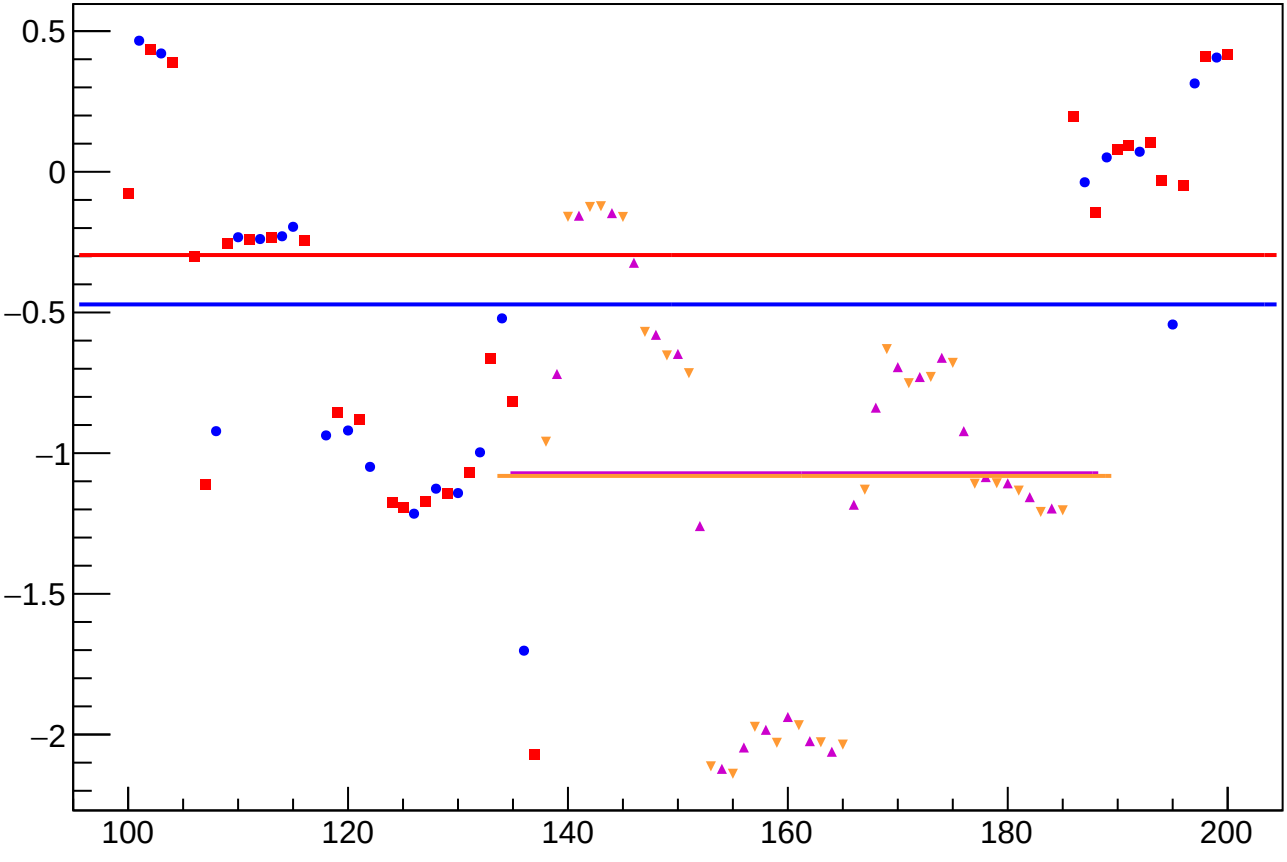
Right: 0.009+/-0.000 χ^2/NDF: 5490535.6/49

In: 0.007+/-0.000 χ^2/NDF:4248263.5/44

Out: 0.007+/-0.000 χ^2/NDF:5101256.1/52

All: 0.007+/-0.000 χ^2/NDF: 9357259.7/97

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.471+/-0.000 χ^2/NDF: 662472684.1/21

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

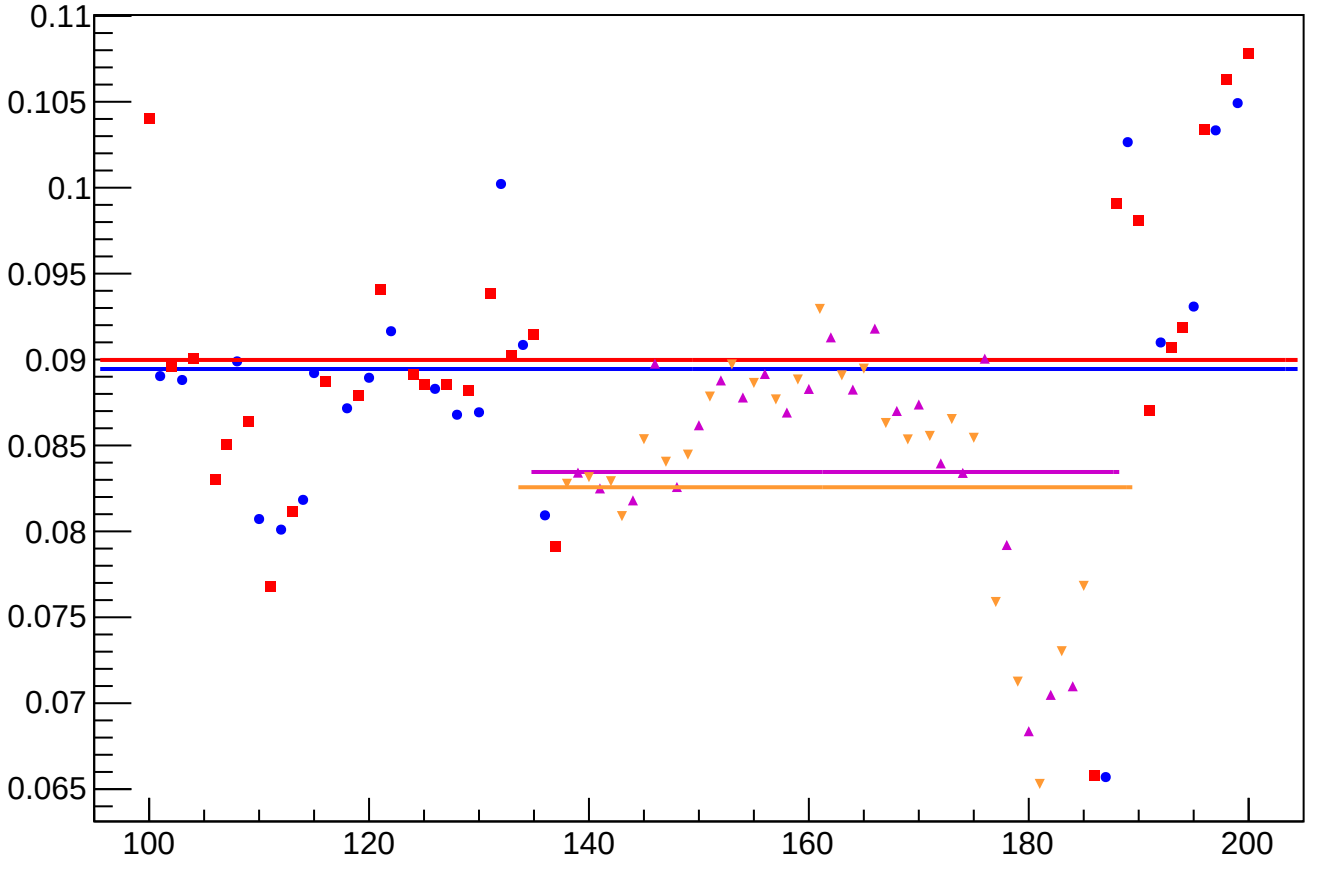
Right: -0.377+/-0.000 χ^2/NDF: 1245980756.9/49

In: -0.859+/-0.000 χ^2/NDF:1969269097.1/44

Out: -0.788+/-0.000 χ^2/NDF:2356274523.4/52

All: -0.822+/-0.000 χ^2/NDF: 4336194359.4/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.089+/-0.000 χ^2/NDF: 195439.2/21

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

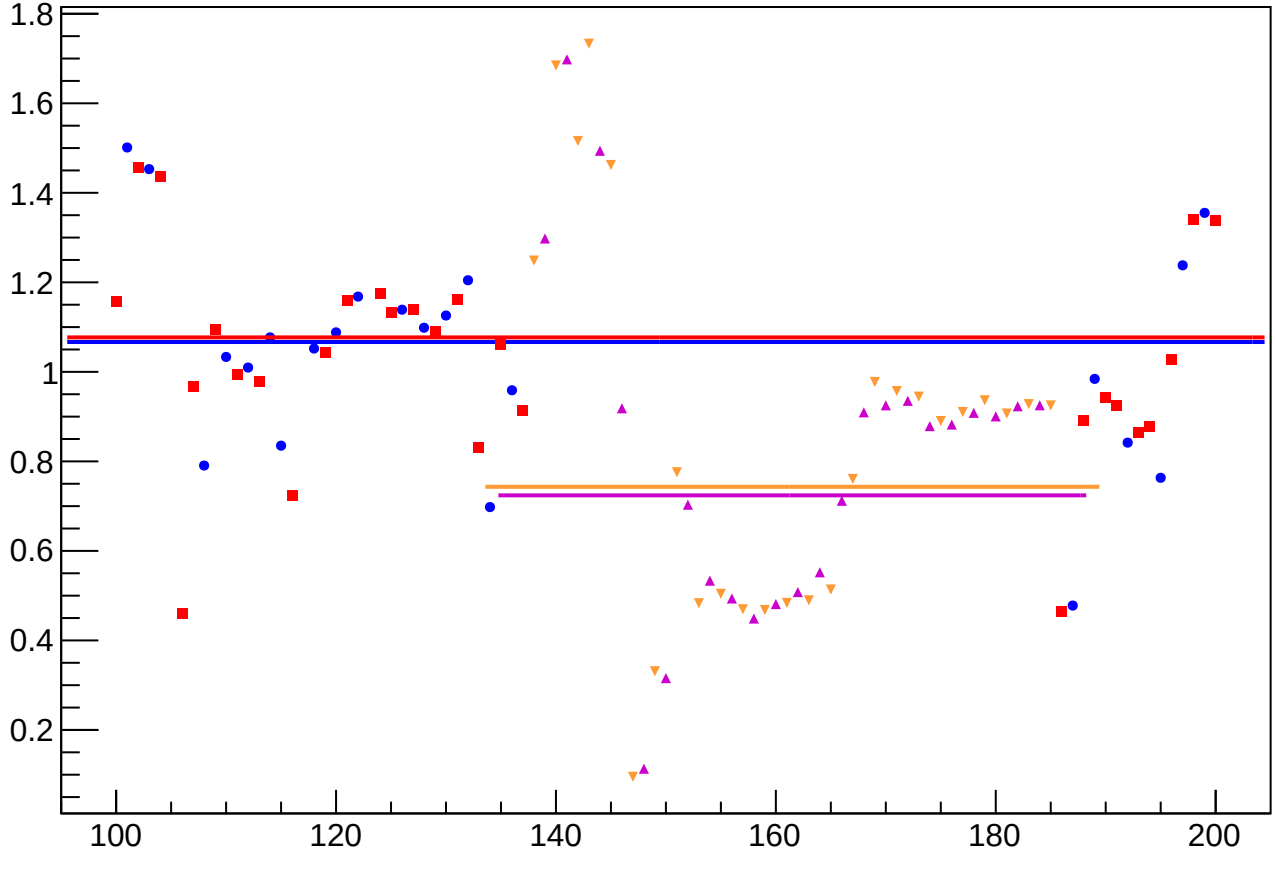
Right: 0.090+/-0.000 χ^2/NDF: 505500.5/49

In: 0.086+/-0.000 χ^2/NDF:499877.3/44

Out: 0.085+/-0.000 χ^2/NDF:715468.4/52

All: 0.085+/-0.000 χ^2/NDF: 1215603.3/97

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.067+/-0.000 χ^2/NDF: 4184371224.2/21

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

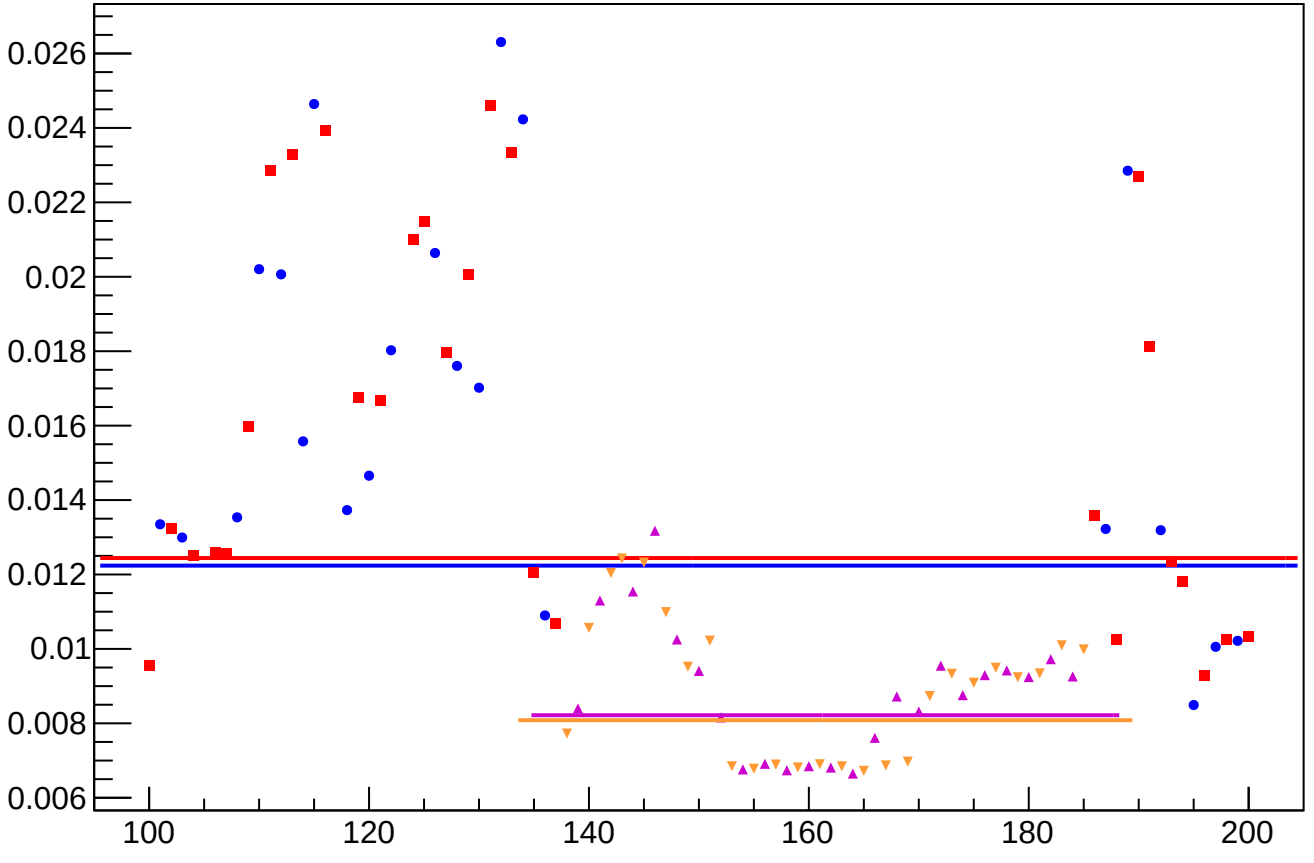
Right: 1.072+/-0.000 χ^2/NDF: 8397695001.1/49

In: 0.795+/-0.000 χ^2/NDF:35836777710.8/44

Out: 0.814+/-0.000 χ^2/NDF:43239836606.8/52

All: 0.805+/-0.000 χ^2/NDF: 79139525752.4/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1715177.8/21

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

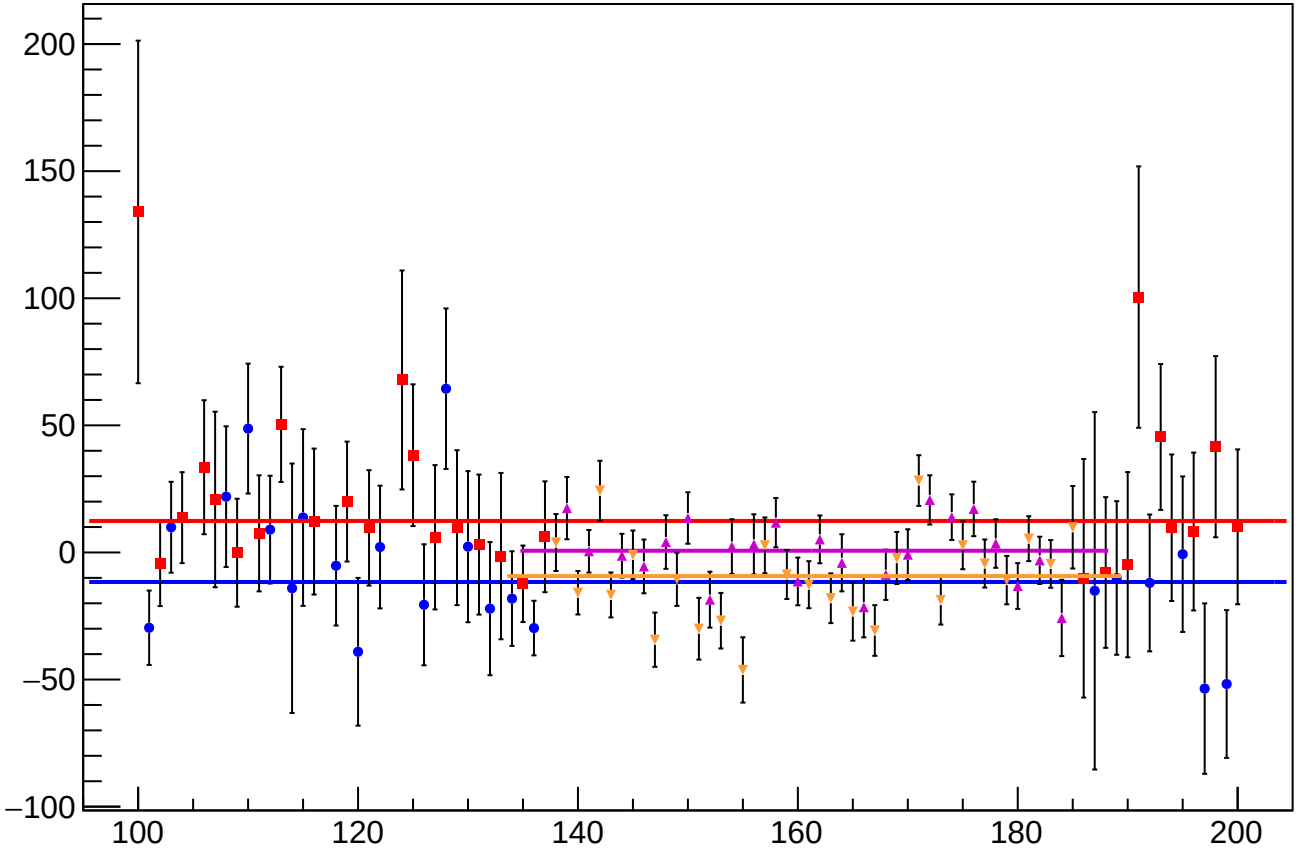
Right: 0.012+/-0.000 χ^2/NDF: 3571537.2/49

In: 0.009+/-0.000 χ^2/NDF:4495340.3/44

Out: 0.009+/-0.000 χ^2/NDF:5458740.4/52

All: 0.009+/-0.000 χ^2/NDF: 9954461.6/97

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -11.615+/-4.906 χ^2/NDF: 25.7/21

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

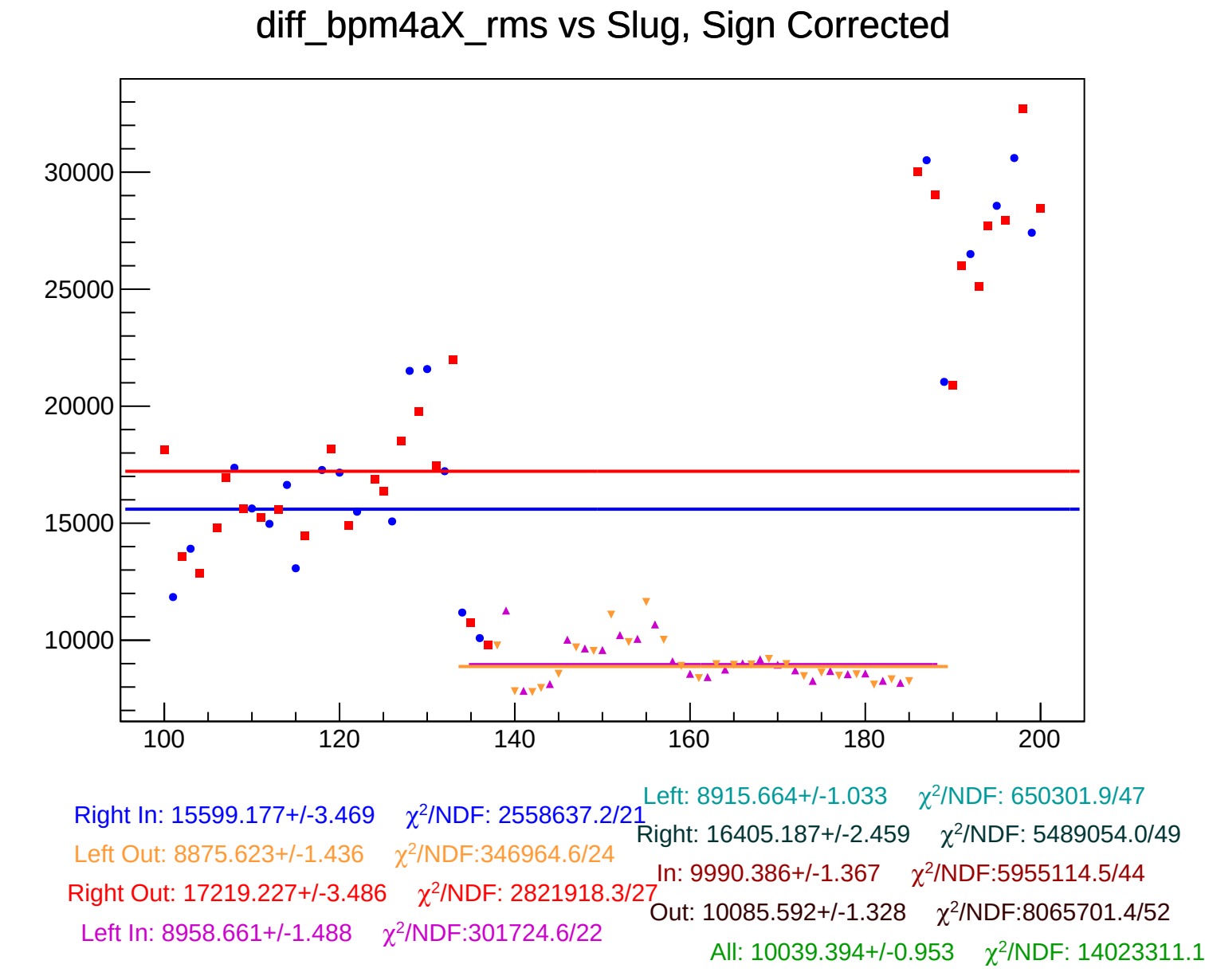
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.328+/-3.478 χ^2/NDF: 57.4/49

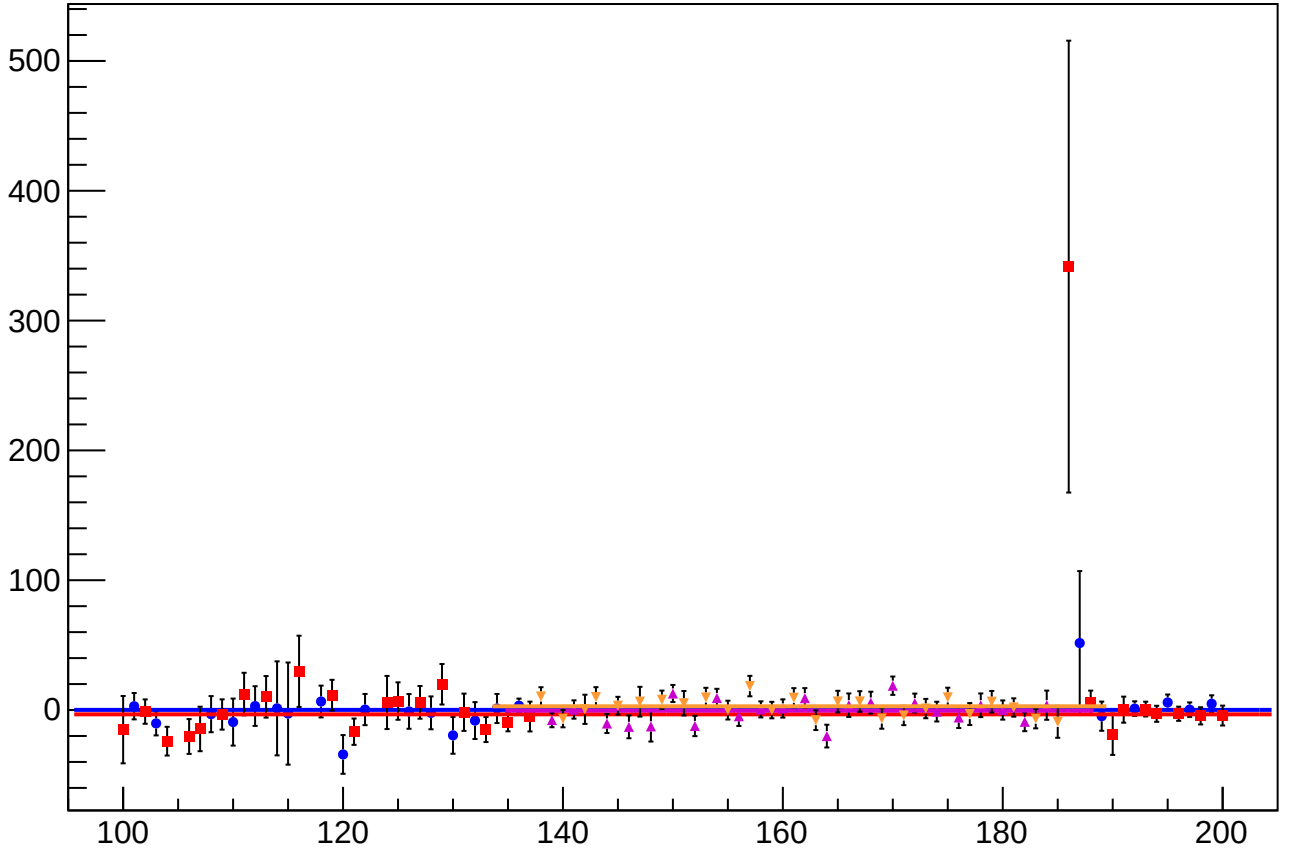
In: -1.234+/-1.934 χ^2/NDF:60.4/44

Out: -6.147+/-1.878 χ^2/NDF:97.5/52

All: -3.763+/-1.347 χ^2/NDF: 161.2/97


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15599.177+/-3.469 χ²/NDF: 2558637.2/21
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: 16405.187+/-2.459 χ²/NDF: 5489054.0/49
In: 9990.386+/-1.367 χ²/NDF:5955114.5/44
Out: 10085.592+/-1.328 χ²/NDF:8065701.4/52
All: 10039.394+/-0.953 χ²/NDF: 14023311.1

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.109+/-2.045 χ^2/NDF: 12.4/21

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

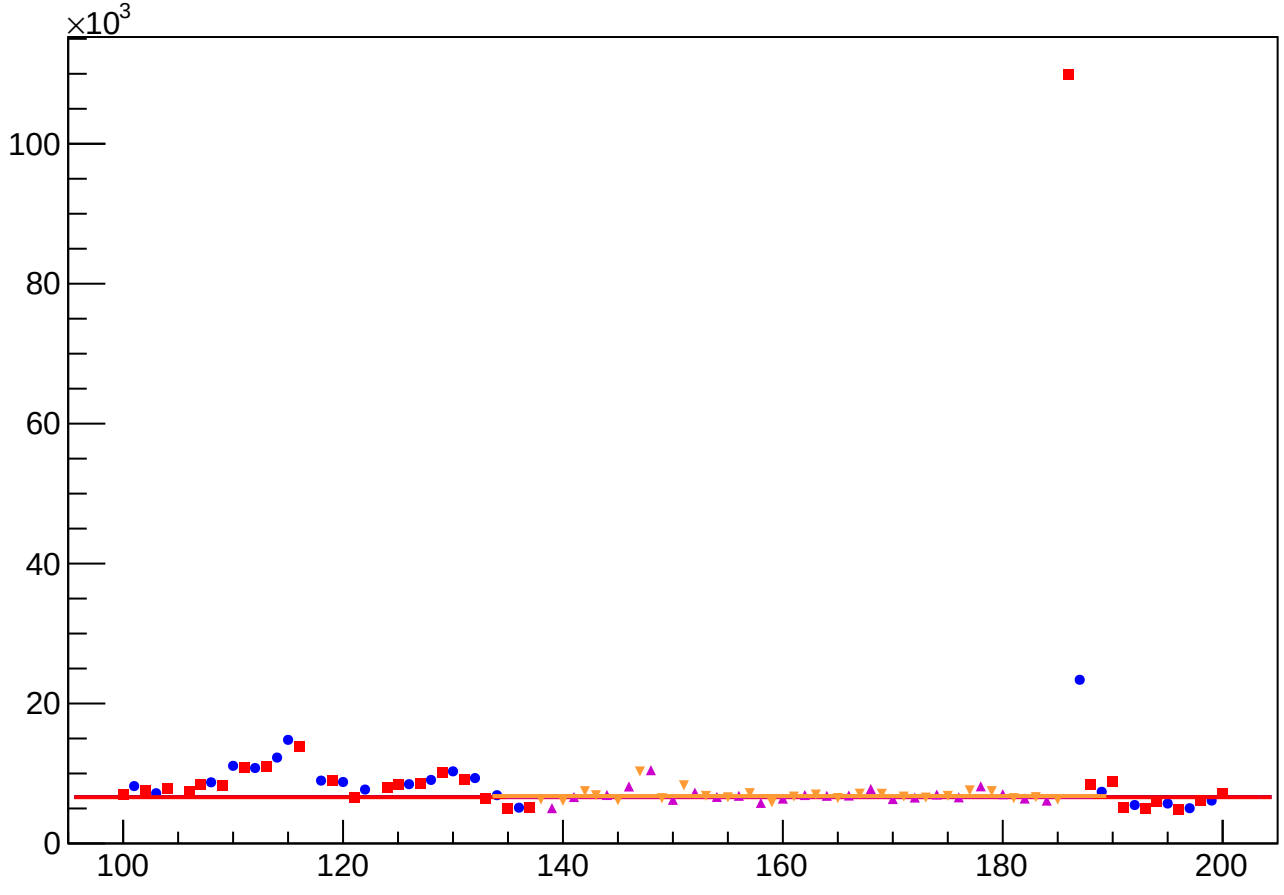
Right: -1.745+/-1.388 χ^2/NDF: 38.3/49

In: -0.244+/-1.251 χ^2/NDF:45.3/44

Out: 0.376+/-1.200 χ^2/NDF:50.2/52

All: 0.079+/-0.866 χ^2/NDF: 95.6/97

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6640.354+/-1.446 χ^2/NDF: 1606856.1/21

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

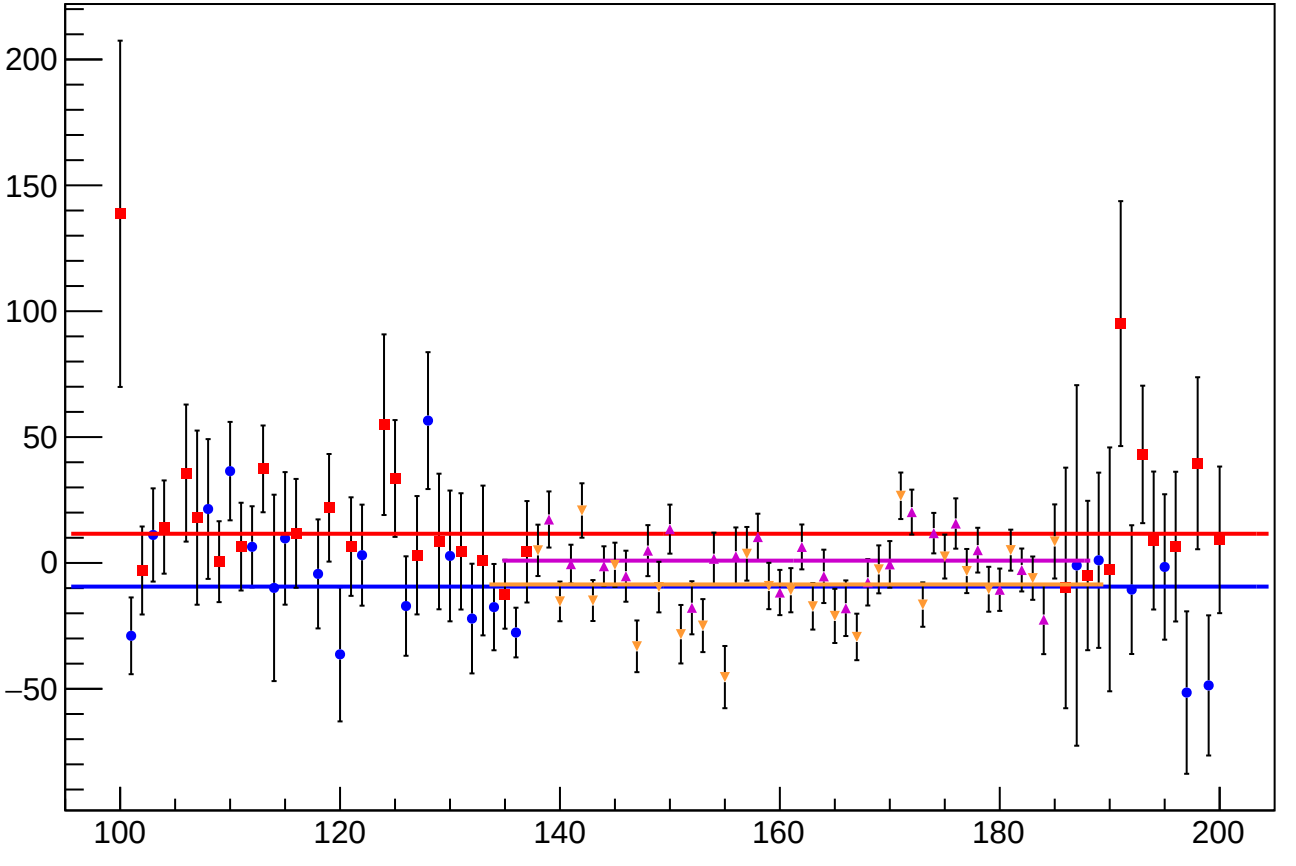
Right: 6625.378+/-0.982 χ^2/NDF: 3909755.1/49

In: 6671.140+/-0.885 χ^2/NDF:2227857.2/44

Out: 6710.543+/-0.849 χ^2/NDF:2711868.9/52

All: 6691.657+/-0.612 χ^2/NDF: 4940759.3/97

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -9.393+/-4.456 χ^2/NDF: 26.7/21

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

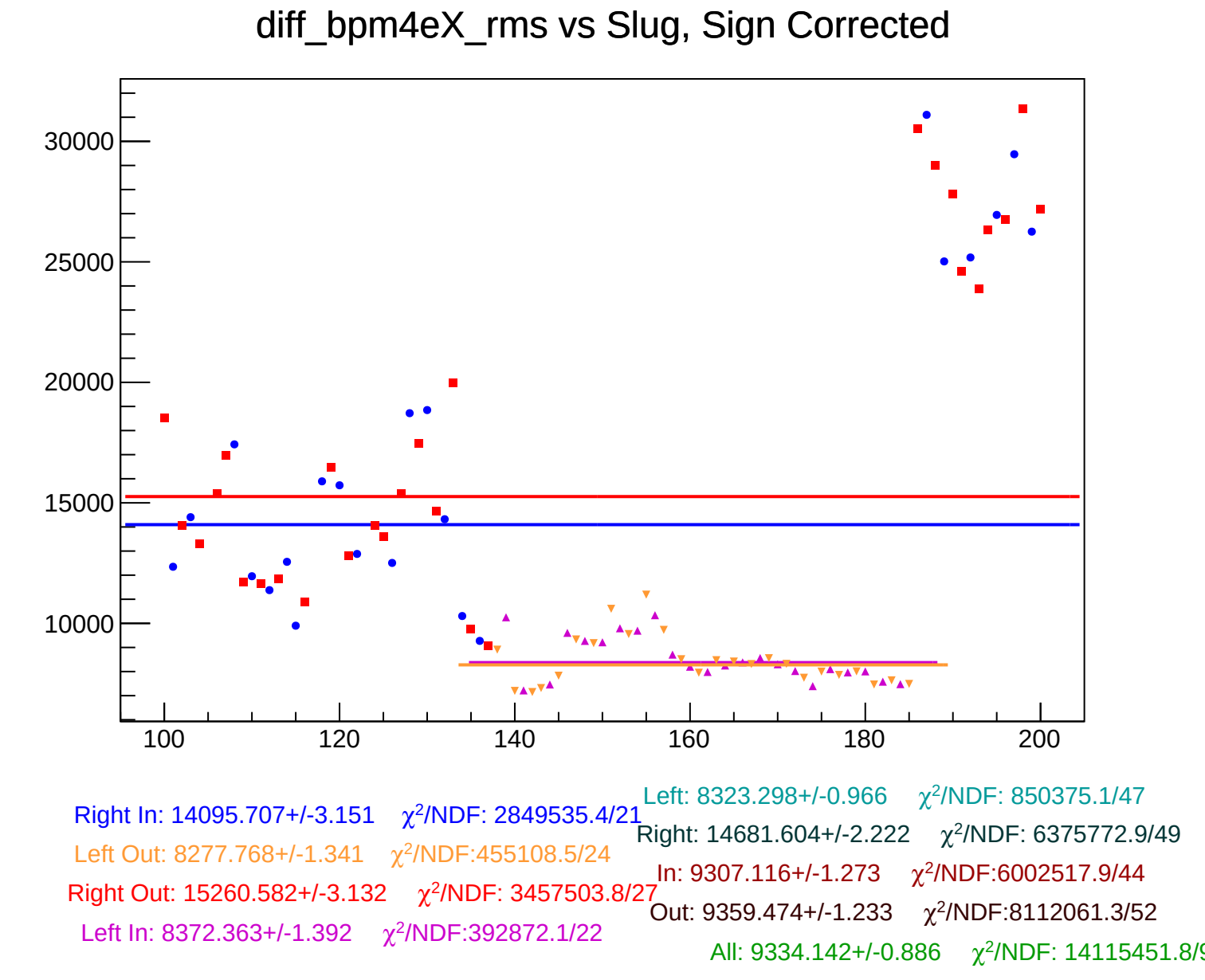
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.164+/-3.142 χ^2/NDF: 57.4/49

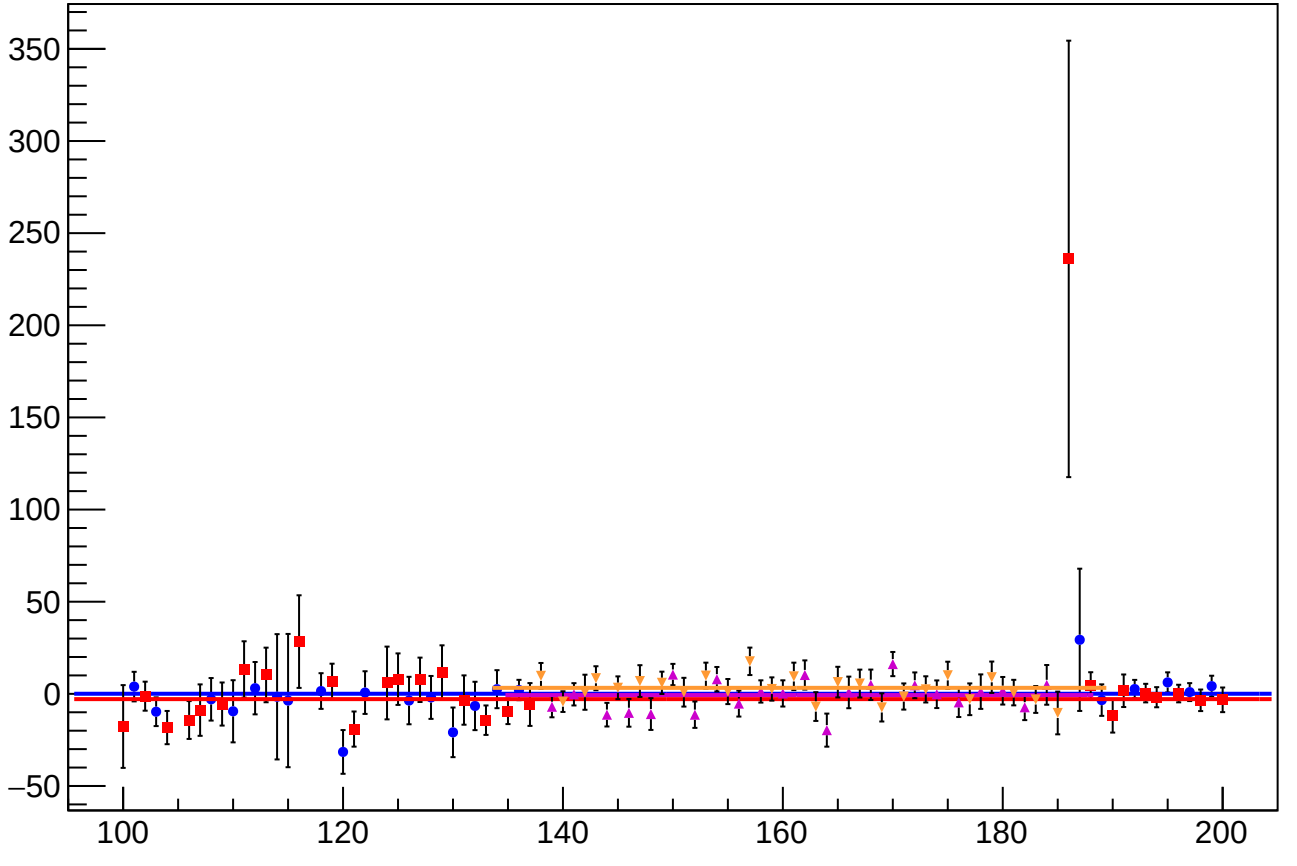
In: -0.765+/-1.801 χ^2/NDF:60.2/44

Out: -5.418+/-1.744 χ^2/NDF:99.0/52

All: -3.167+/-1.253 χ^2/NDF: 162.6/97


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14095.707+/-3.151 χ²/NDF: 2849535.4/21
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: 14681.604+/-2.222 χ²/NDF: 6375772.9/49
In: 9307.116+/-1.273 χ²/NDF:6002517.9/44
Out: 9359.474+/-1.233 χ²/NDF:8112061.3/52
All: 9334.142+/-0.886 χ²/NDF: 14115451.8/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.051+/-1.814 χ^2/NDF: 15.2/21

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

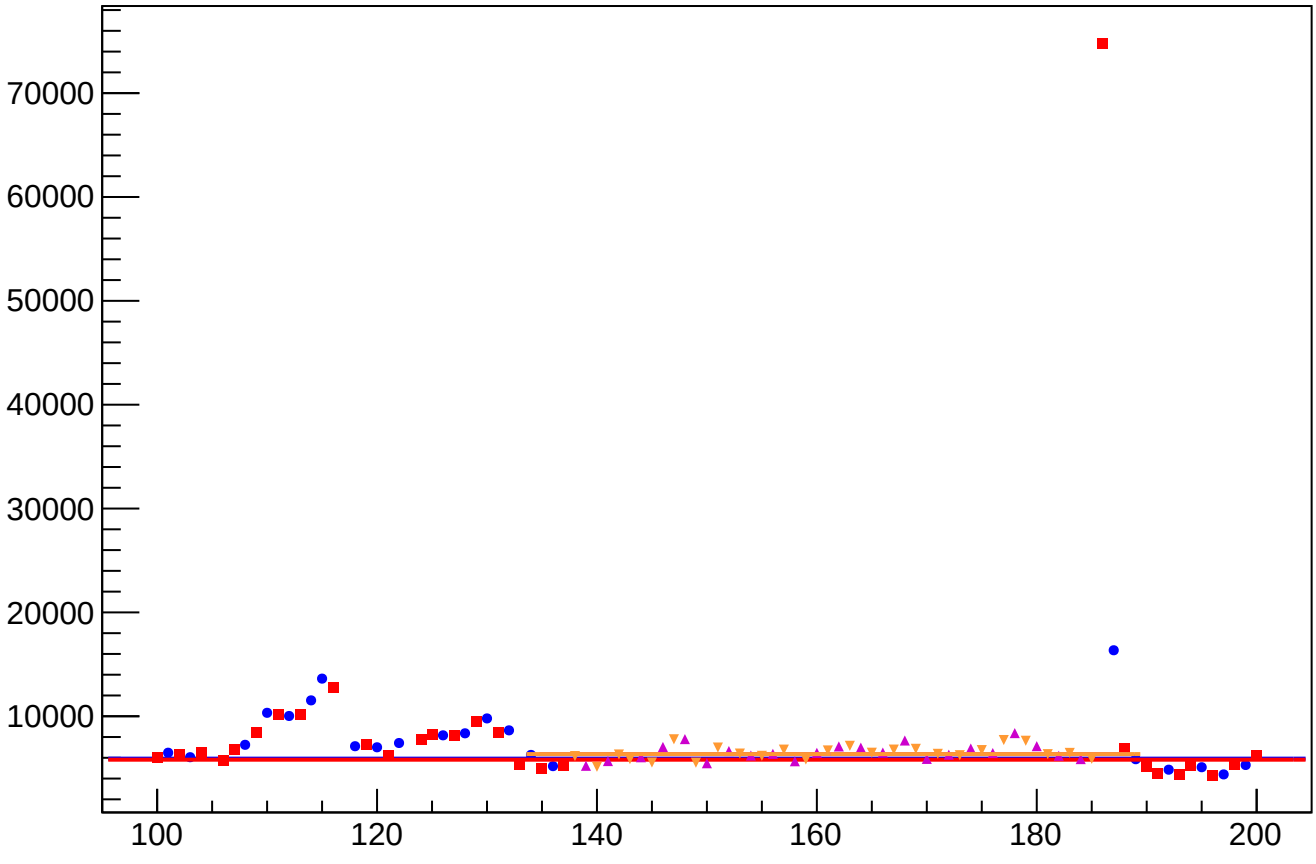
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.541+/-1.222 χ^2/NDF: 41.5/49

In: -0.363+/-1.156 χ^2/NDF:46.0/44

Out: 0.581+/-1.093 χ^2/NDF:50.3/52

All: 0.135+/-0.794 χ^2/NDF: 96.7/97



Right In: 5918.434+/-1.283 χ^2/NDF: 1507208.1/21

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

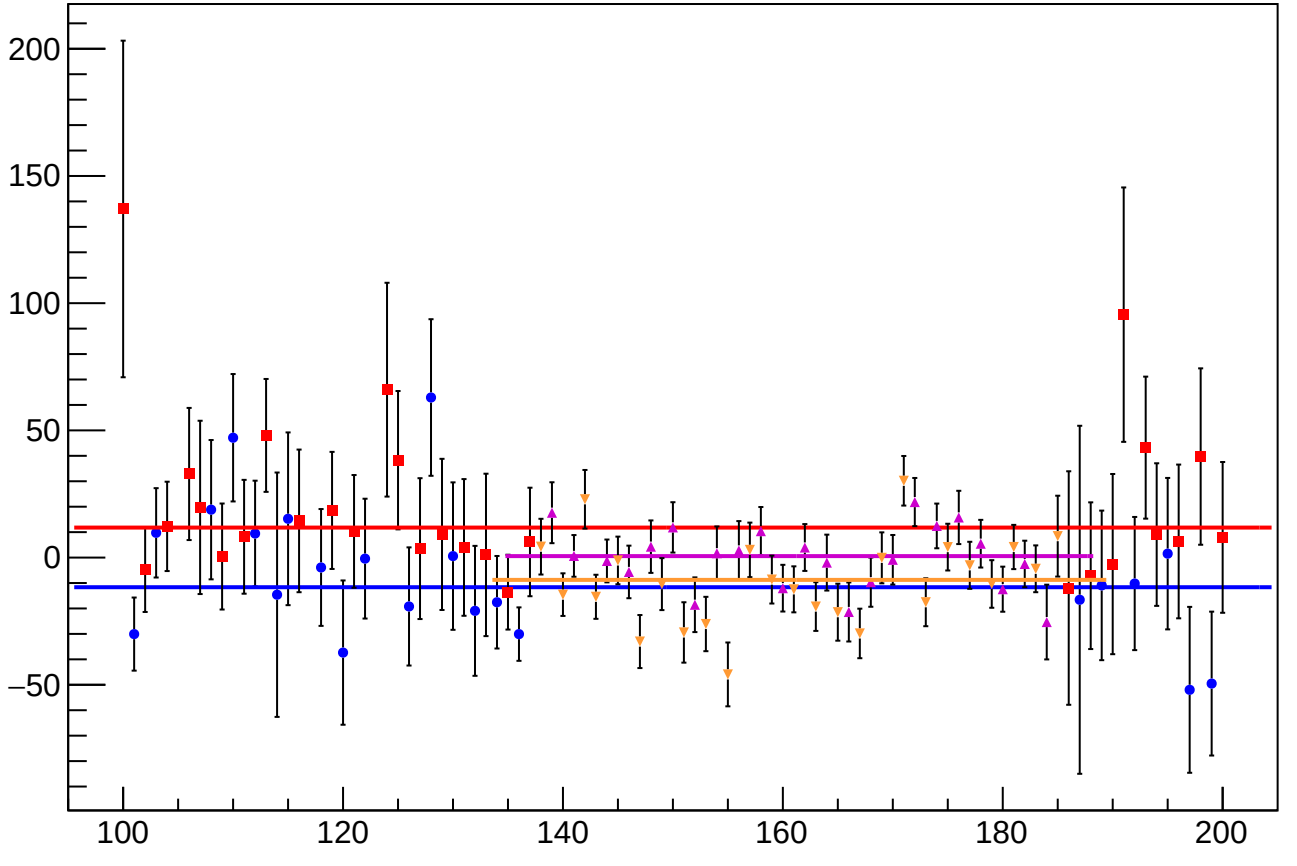
Right: 5862.952+/-0.864 χ^2/NDF: 3777083.1/49

In: 6180.775+/-0.817 χ^2/NDF:2051449.9/44

Out: 6121.358+/-0.773 χ^2/NDF:2800909.5/52

All: 6149.424+/-0.562 χ^2/NDF: 4855148.6/97

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -11.648+/-4.798 χ^2/NDF: 25.7/21

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

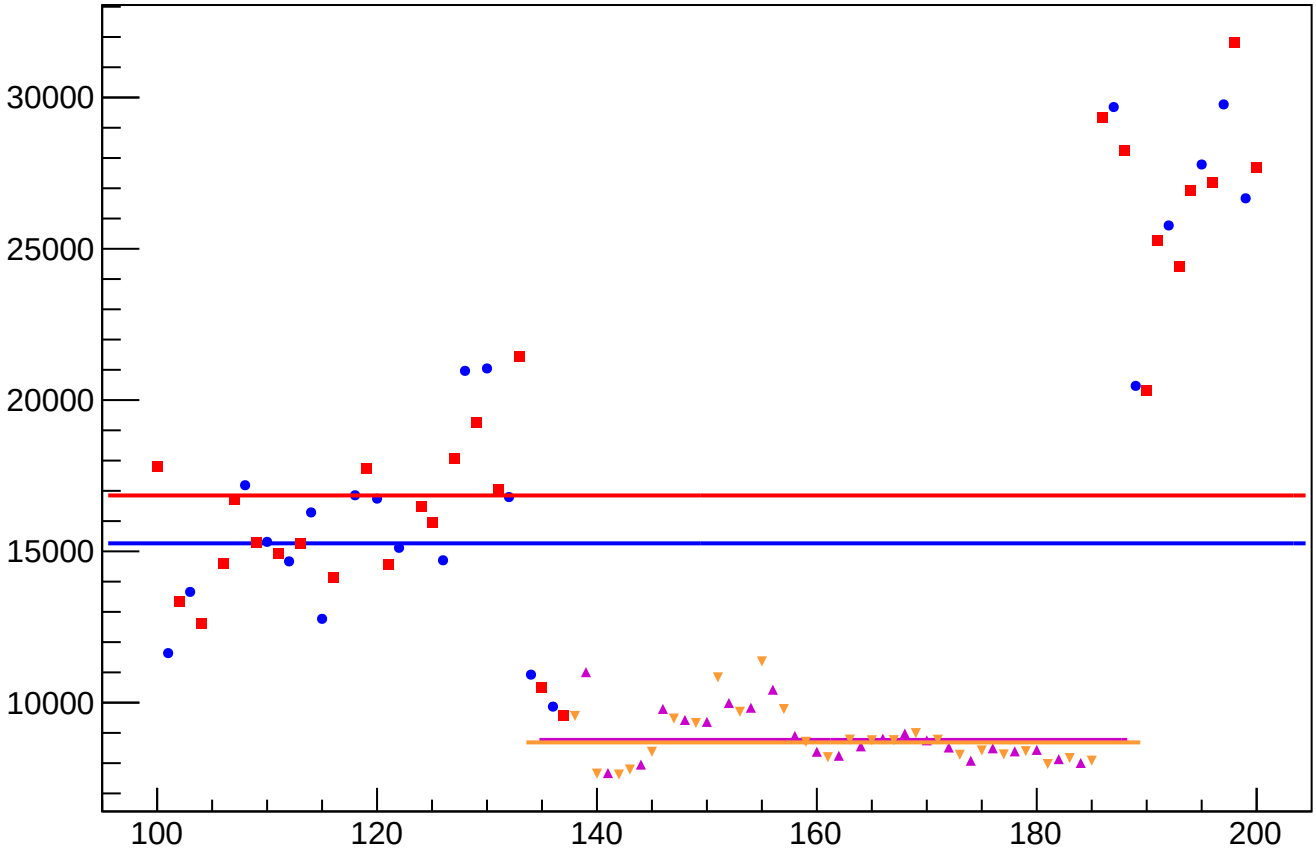
Right: 0.018+/-3.400 χ^2/NDF: 57.6/49

In: -1.323+/-1.892 χ^2/NDF:60.8/44

Out: -5.780+/-1.837 χ^2/NDF:98.3/52

All: -3.618+/-1.318 χ^2/NDF: 161.9/97

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15265.328+/-3.392 χ^2/NDF: 2529485.5/21

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

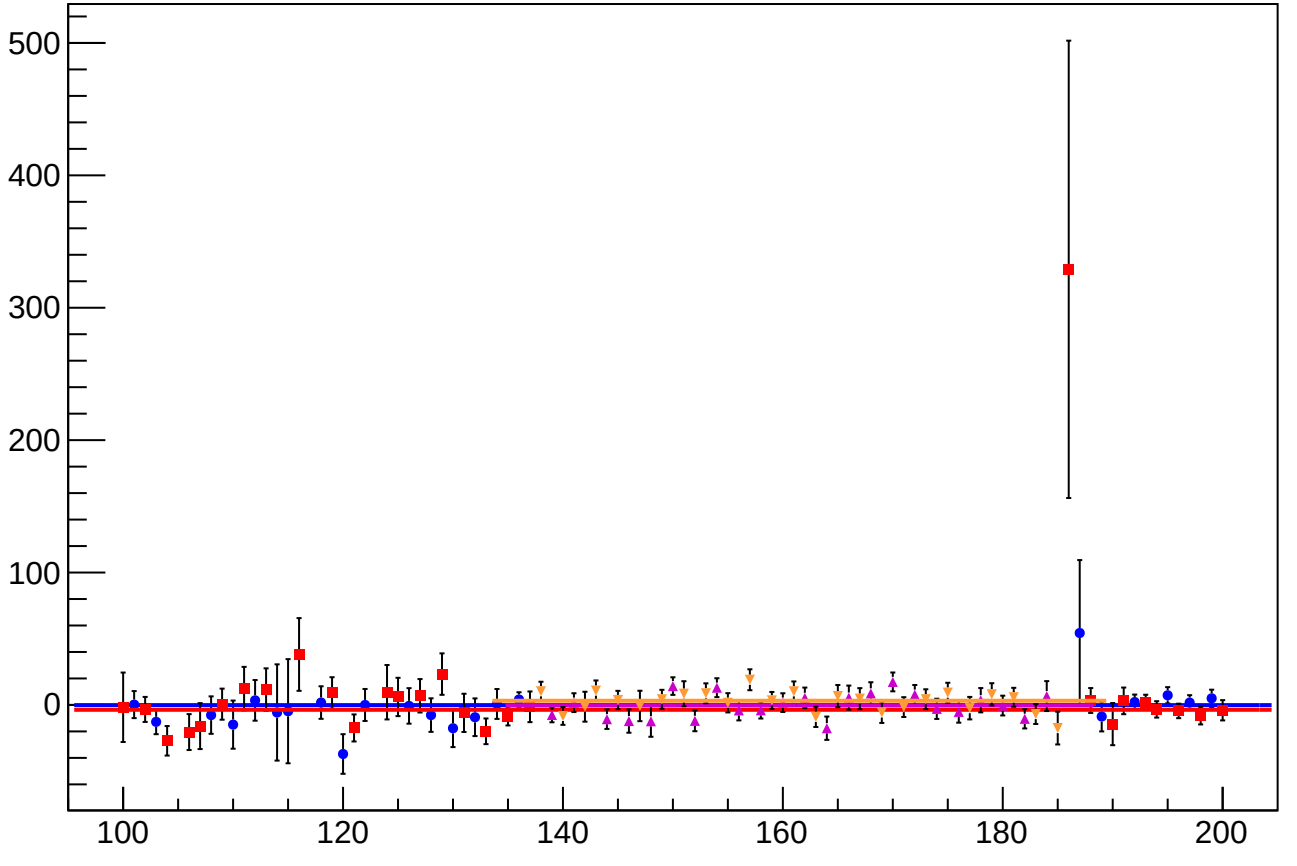
Right: 16052.794+/-2.404 χ^2/NDF: 5420370.5/49

In: 9778.462+/-1.338 χ^2/NDF:5922959.0/44

Out: 9871.469+/-1.299 χ^2/NDF:8024391.2/52

All: 9826.341+/-0.932 χ^2/NDF: 13949837.7/9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -0.138+/-2.053 χ^2/NDF: 15.8/21

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

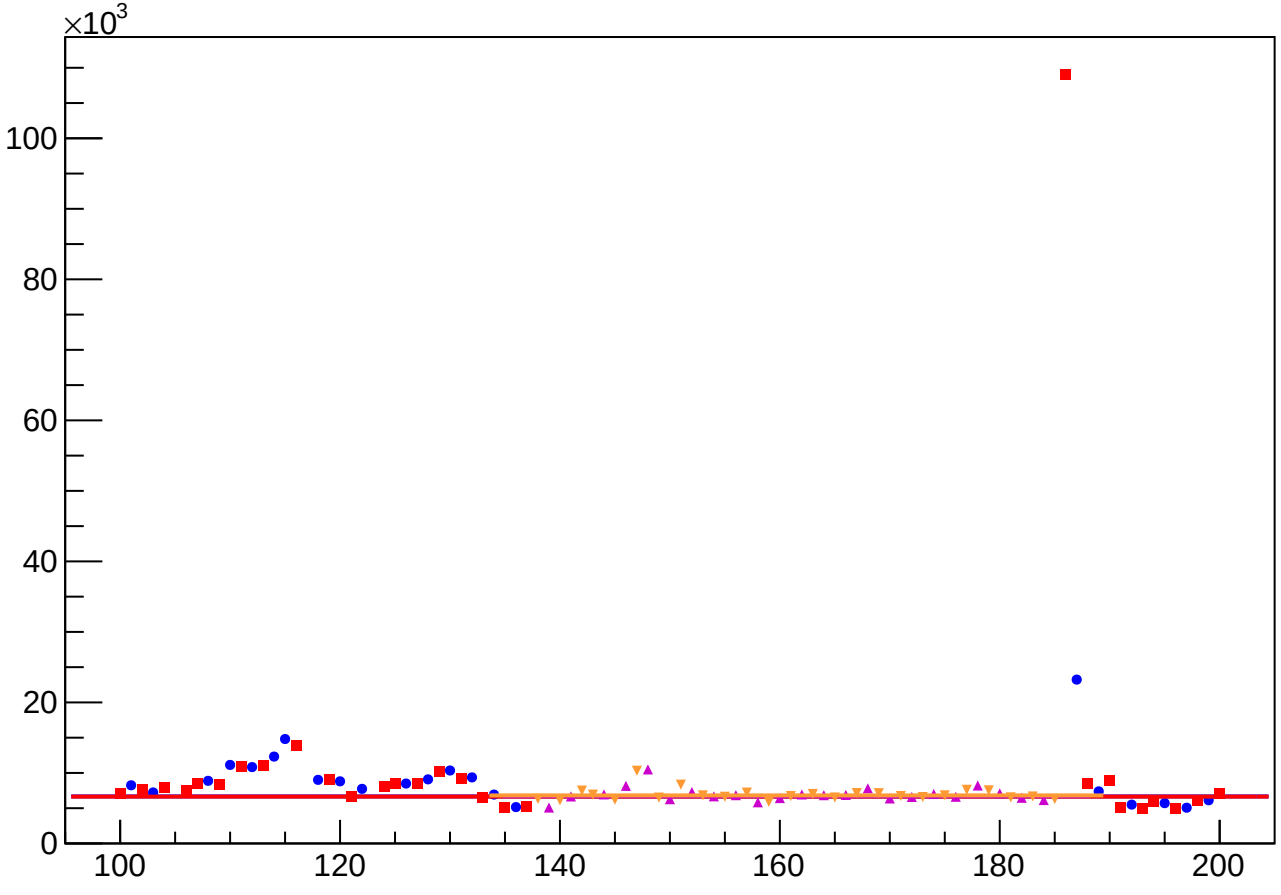
Right: -2.042+/-1.394 χ^2/NDF: 45.6/49

In: -0.220+/-1.257 χ^2/NDF:50.0/44

Out: 0.410+/-1.206 χ^2/NDF:57.6/52

All: 0.108+/-0.870 χ^2/NDF: 107.8/97

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6668.973+/-1.452 χ^2/NDF: 1603719.0/21

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

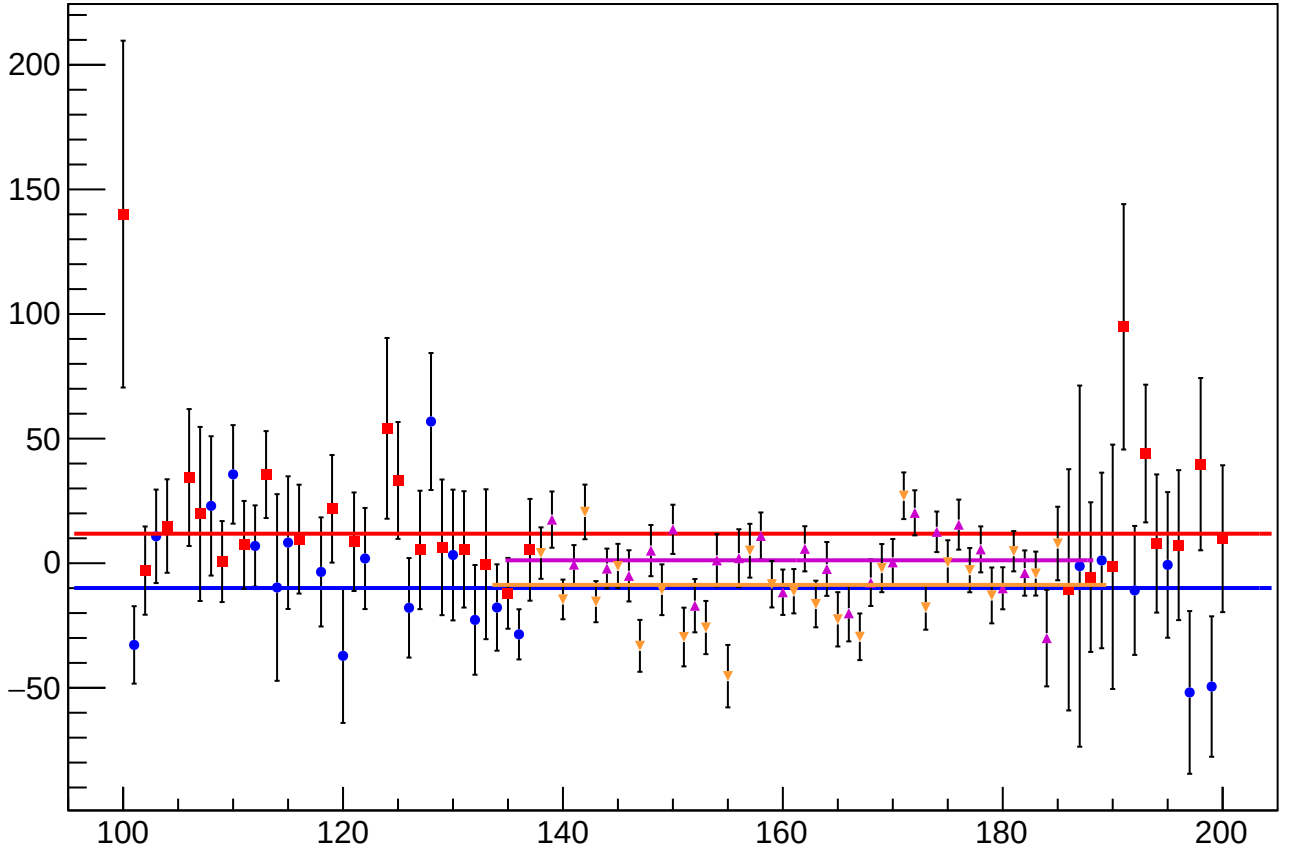
Right: 6655.161+/-0.986 χ^2/NDF: 3898937.8/49

In: 6705.786+/-0.889 χ^2/NDF:2214784.6/44

Out: 6744.498+/-0.853 χ^2/NDF:2699192.9/52

All: 6725.946+/-0.615 χ^2/NDF: 4914965.0/97

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -9.953+/-4.517 χ^2/NDF: 27.2/21

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

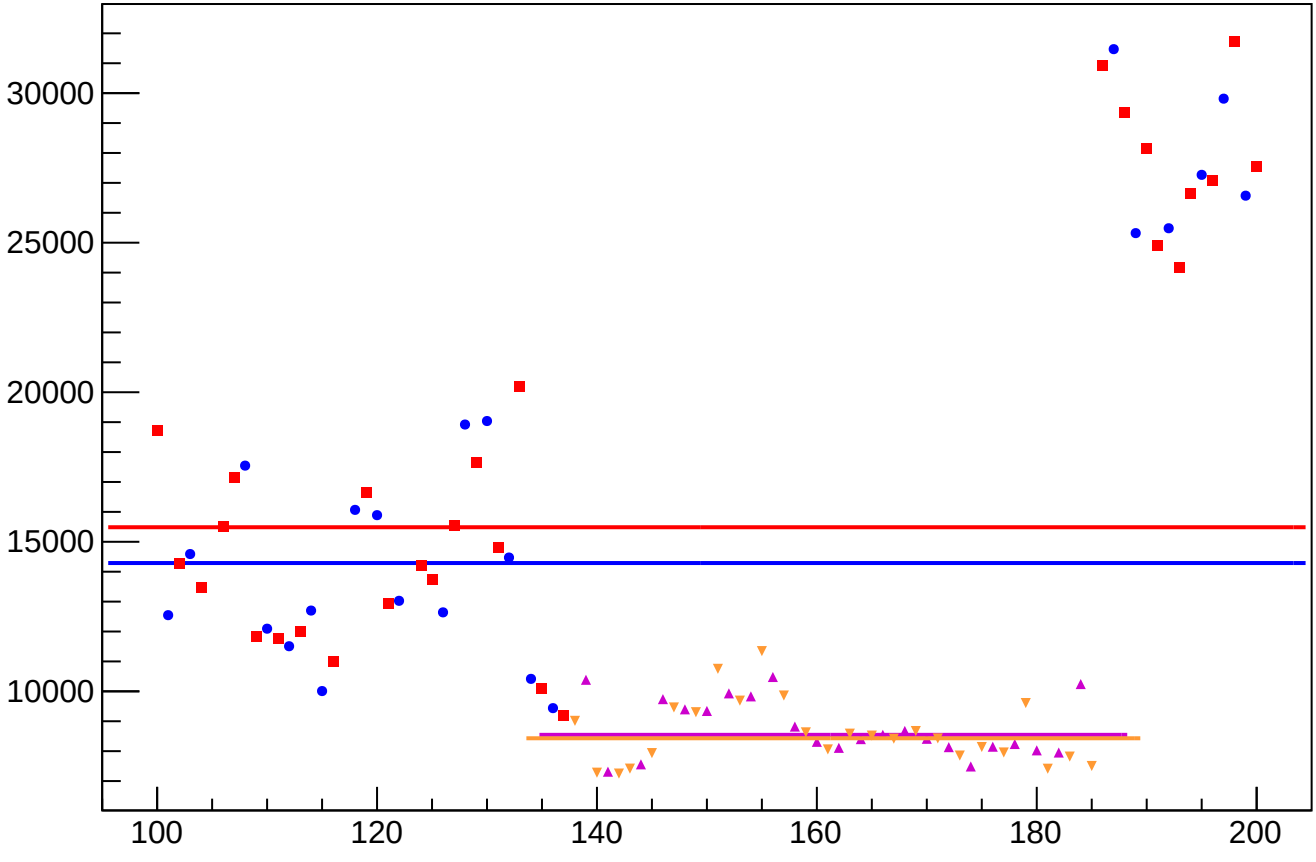
Right: 1.004+/-3.186 χ^2/NDF: 57.4/49

In: -0.669+/-1.838 χ^2/NDF:60.8/44

Out: -5.476+/-1.778 χ^2/NDF:97.5/52

All: -3.152+/-1.278 χ^2/NDF: 161.9/97

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14289.656+/-3.194 χ^2/NDF: 2828821.1/21

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

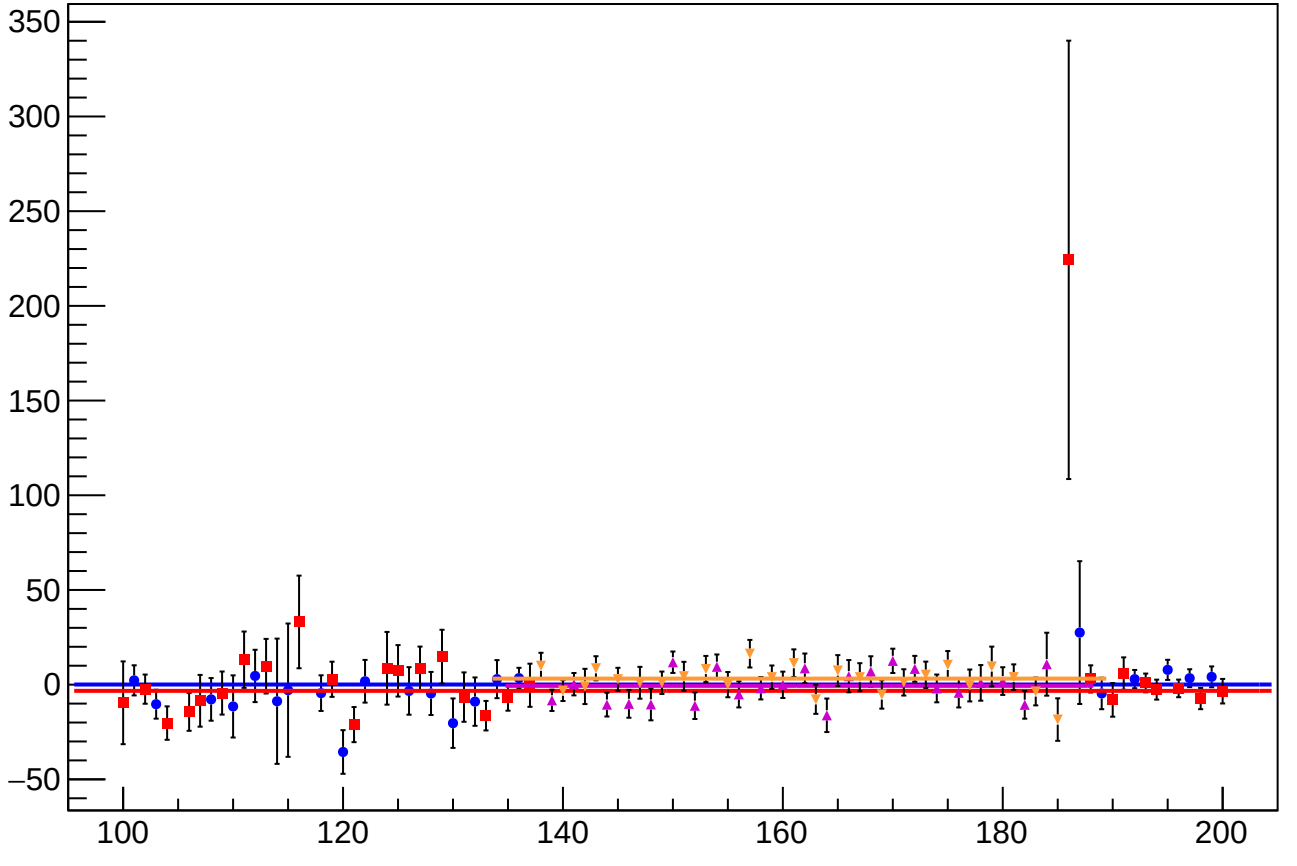
Right: 14891.248+/-2.253 χ^2/NDF: 6319239.9/49

In: 9496.834+/-1.300 χ^2/NDF:5917264.8/44

Out: 9535.653+/-1.257 χ^2/NDF:8064071.3/52

All: 9516.888+/-0.904 χ^2/NDF: 13981796.9/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.070+/-1.770 χ^2/NDF: 20.9/21

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

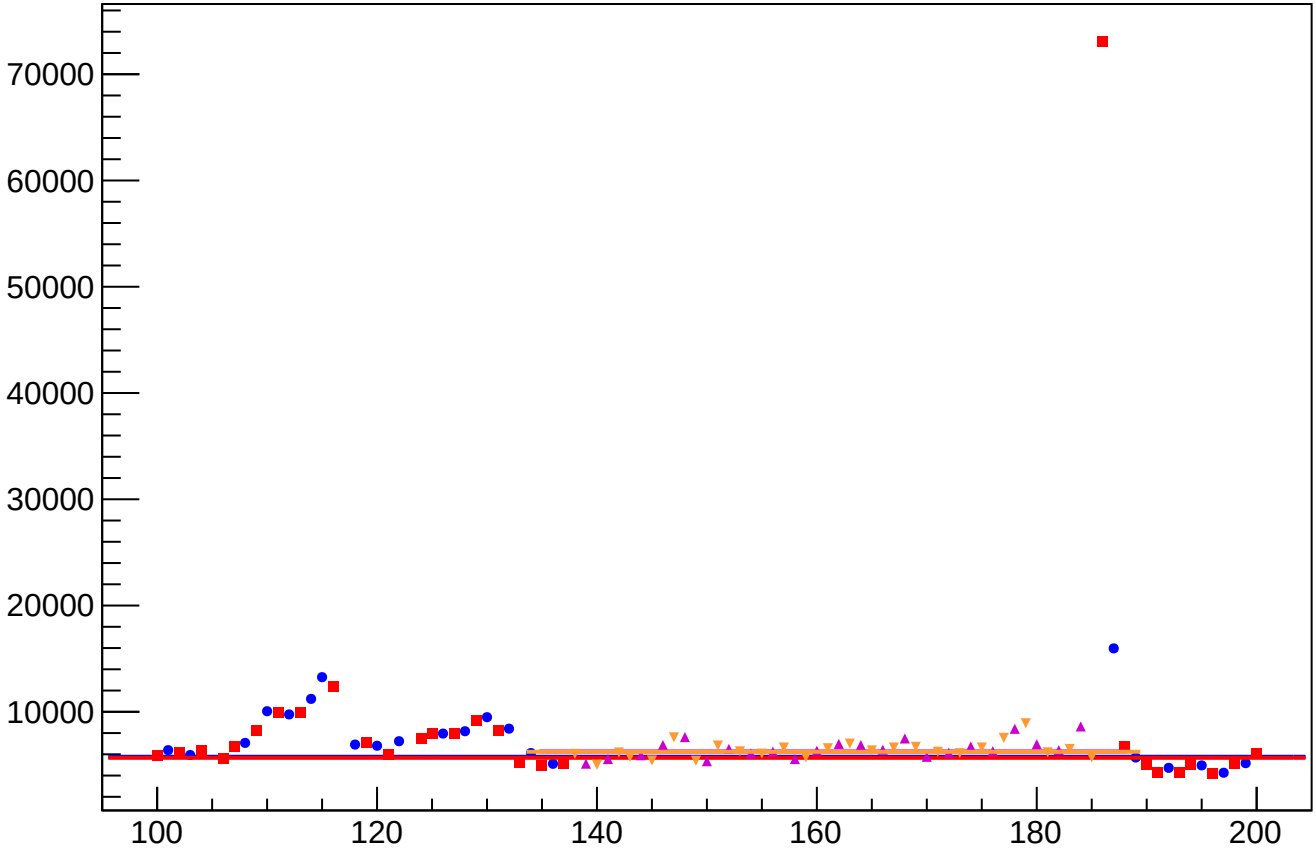
Right: -1.753+/-1.192 χ^2/NDF: 50.7/49

In: -0.344+/-1.136 χ^2/NDF:52.8/44

Out: 0.336+/-1.072 χ^2/NDF:55.4/52

All: 0.016+/-0.780 χ^2/NDF: 108.4/97

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5768.559+/-1.251 χ^2/NDF: 1510800.3/21

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

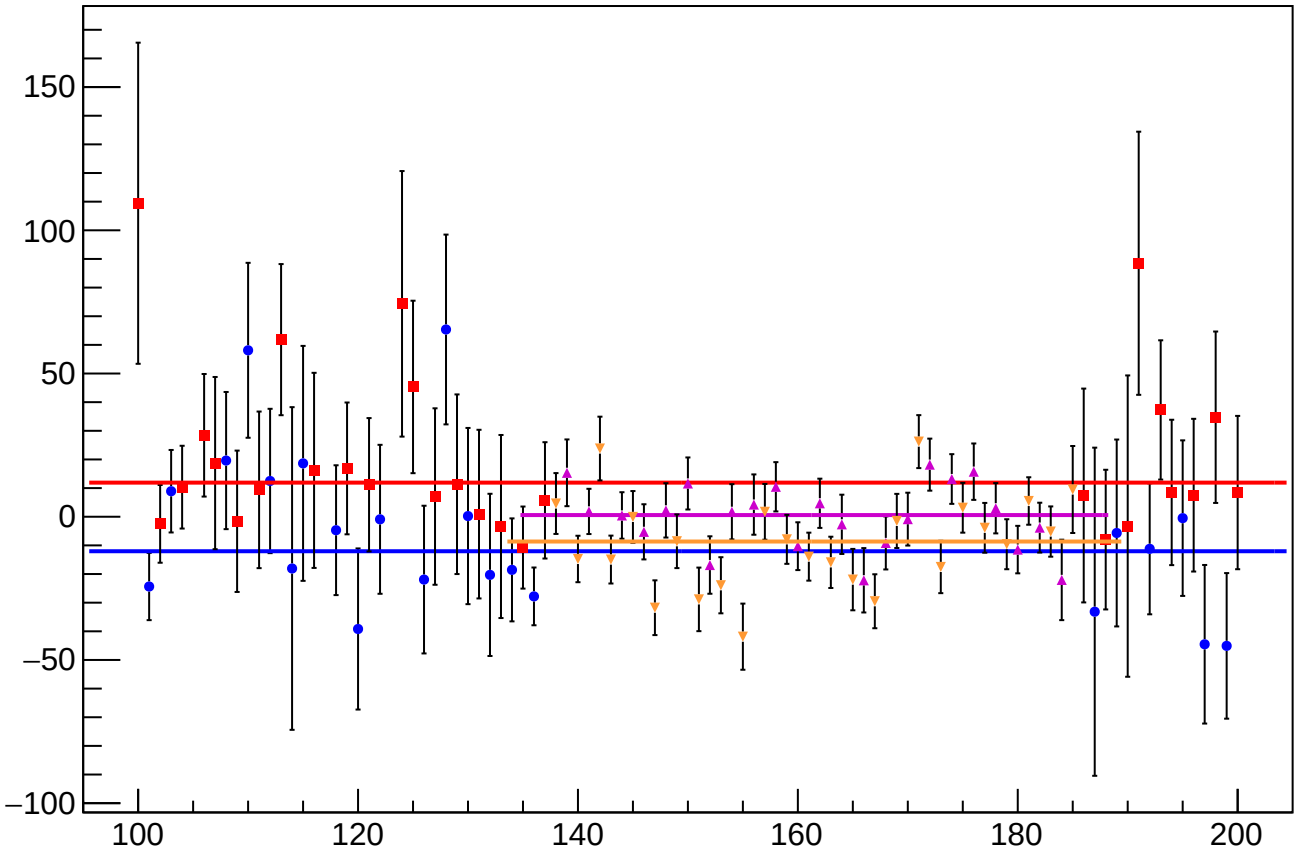
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

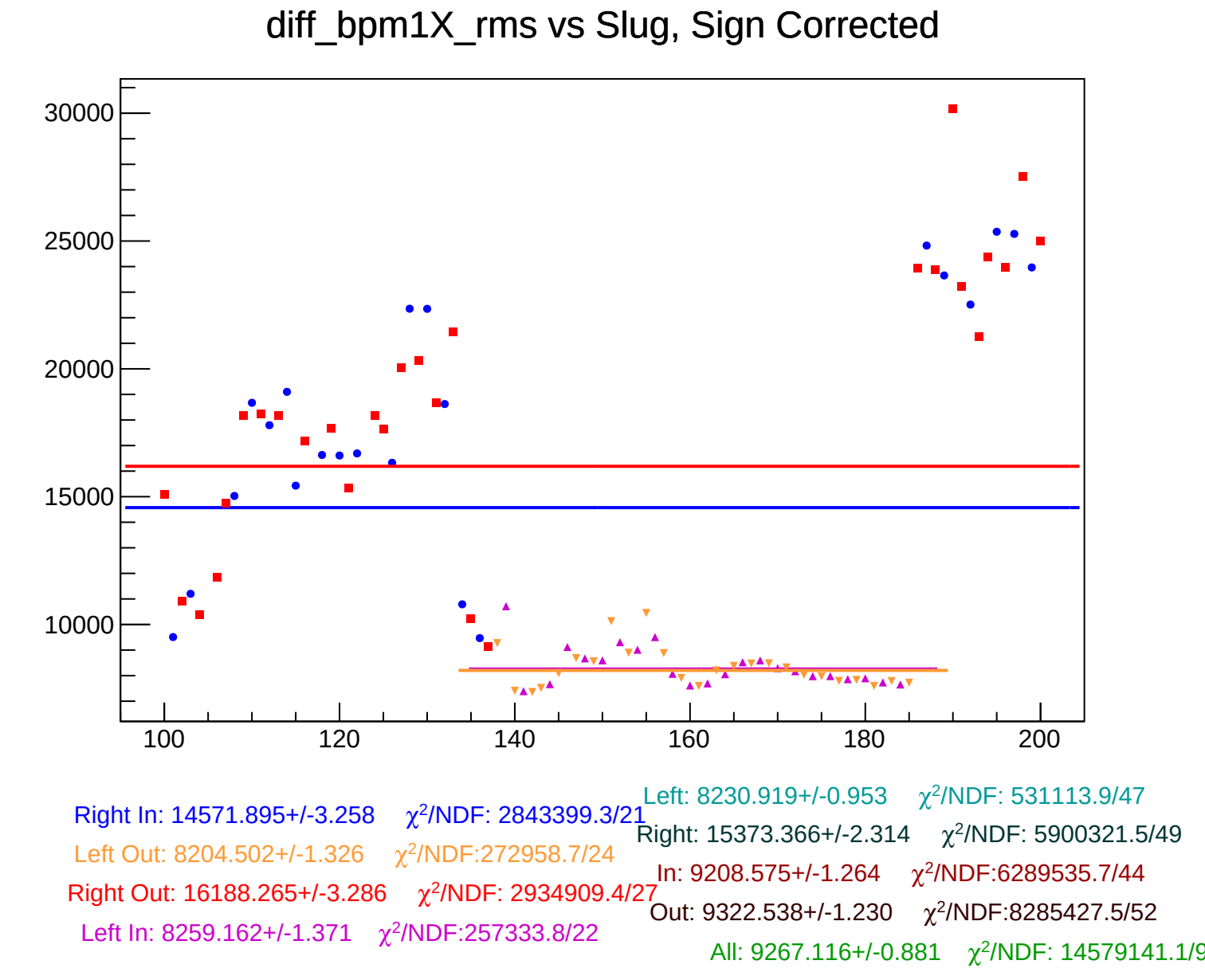
Right: 5715.184+/-0.843 χ^2/NDF: 3761704.3/49

In: 6062.315+/-0.803 χ^2/NDF:2128873.9/44

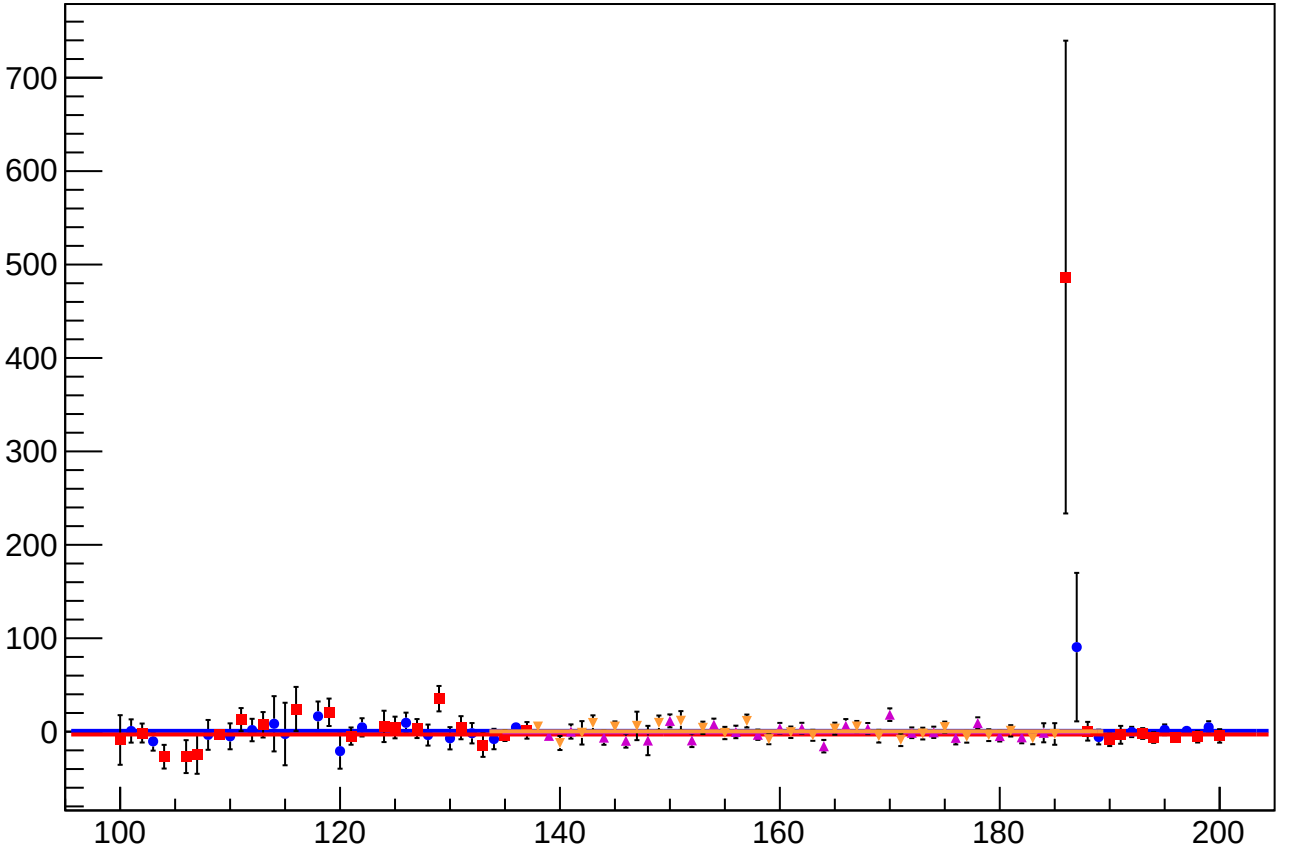
Out: 5987.490+/-0.758 χ^2/NDF:2893282.6/52

All: 6022.738+/-0.551 χ^2/NDF: 5026745.2/97


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.043+/-4.608 χ²/NDF: 24.8/21
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: -0.166+/-3.272 χ²/NDF: 58.3/49
In: -1.316+/-1.787 χ²/NDF:59.7/44
Out: -5.771+/-1.739 χ²/NDF:100.0/52
All: -3.604+/-1.246 χ²/NDF: 162.9/97


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14571.895+/-3.258 χ²/NDF: 2843399.3/21
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: 15373.366+/-2.314 χ²/NDF: 5900321.5/49
In: 9208.575+/-1.264 χ²/NDF:6289535.7/44
Out: 9322.538+/-1.230 χ²/NDF:8285427.5/52
All: 9267.116+/-0.881 χ²/NDF: 14579141.1/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.869+/-1.857 χ^2/NDF: 9.3/21

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

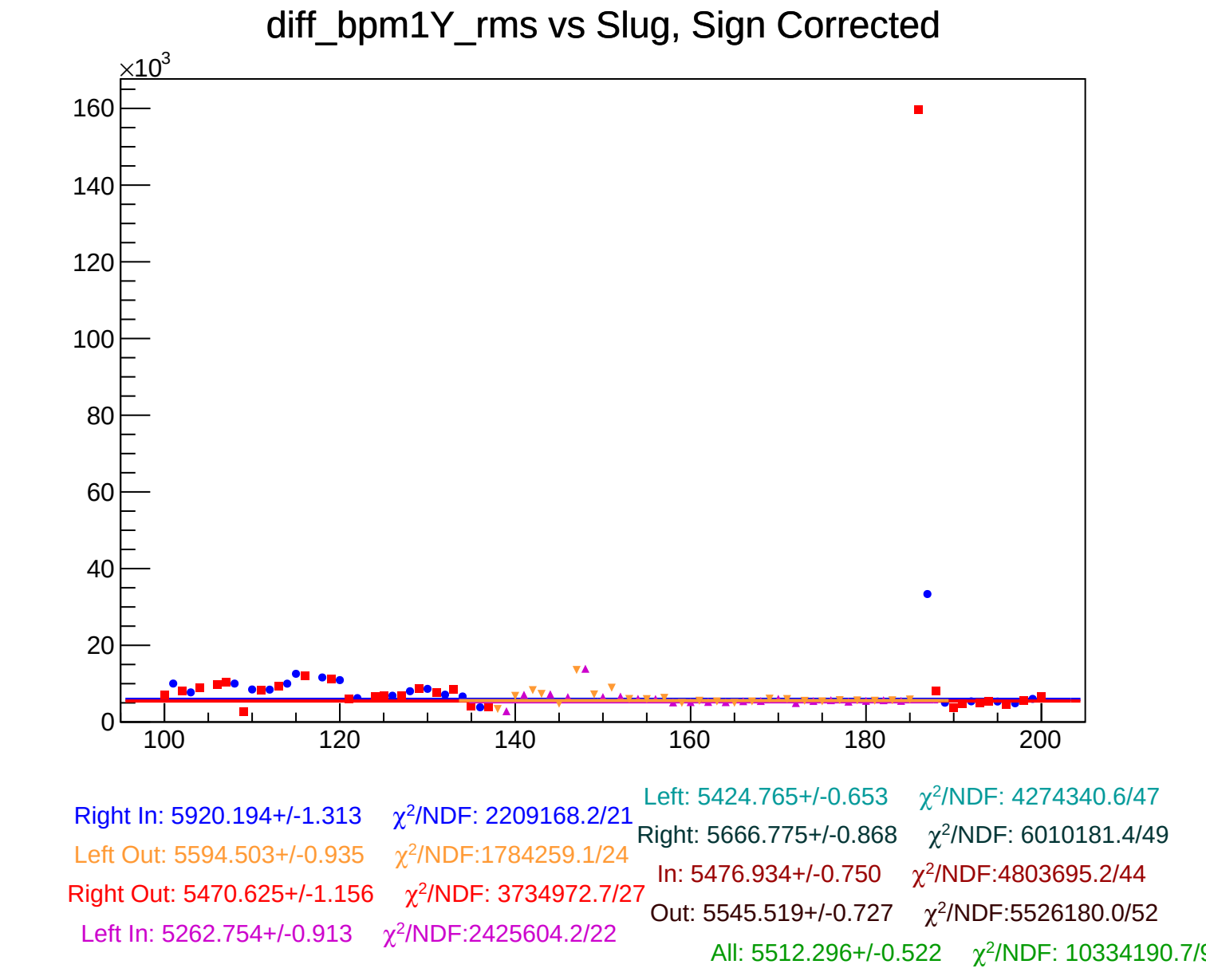
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -1.320+/-1.227 χ^2/NDF: 40.3/49

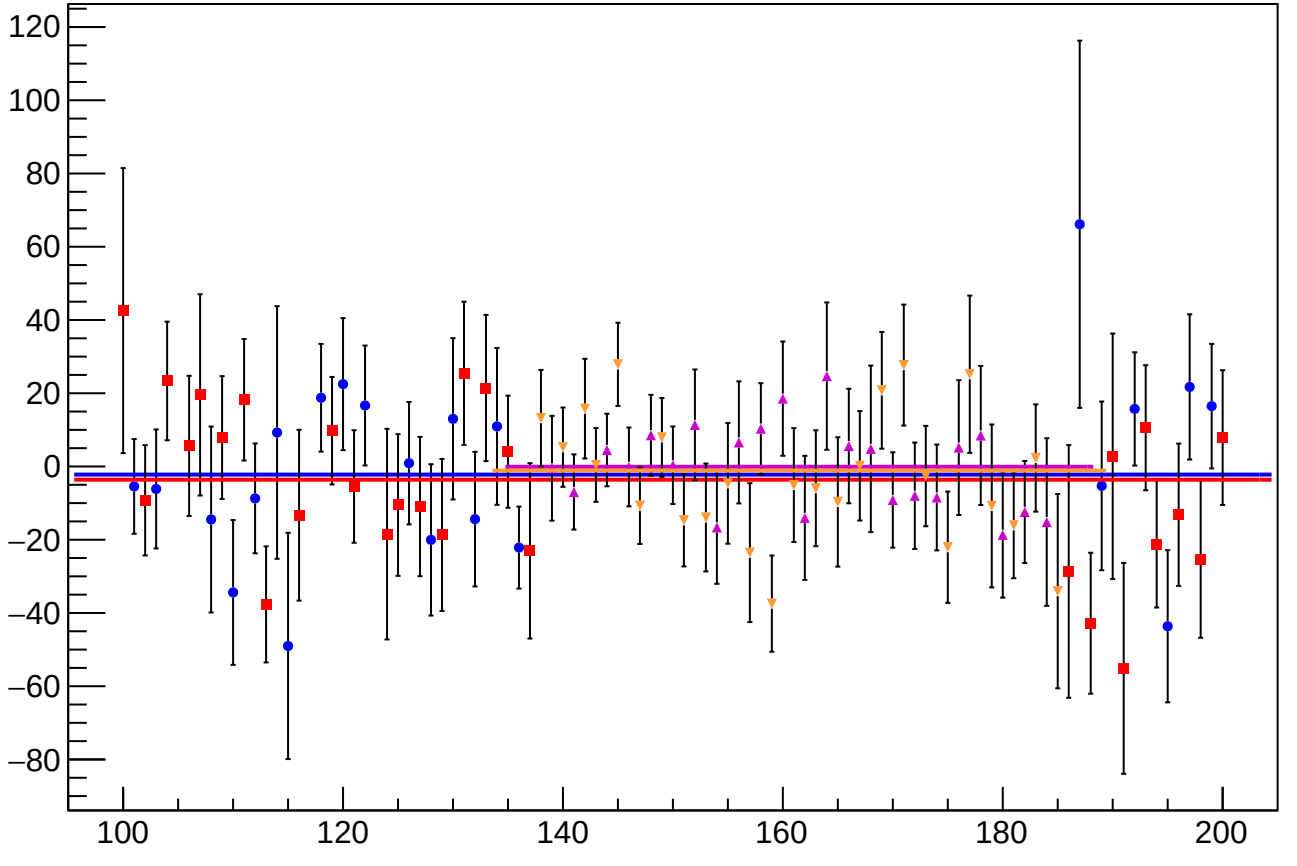
In: -0.195+/-1.060 χ^2/NDF:39.6/44

Out: -0.979+/-1.028 χ^2/NDF:52.7/52

All: -0.599+/-0.738 χ^2/NDF: 92.6/97


diff_bpm1Y_rms vs Slug, Sign Corrected
×10^3
160
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: 5920.194+/-1.313 χ²/NDF: 2209168.2/21
Left Out: 5594.503+/-0.935 χ²/NDF:1784259.1/24
Right Out: 5470.625+/-1.156 χ²/NDF: 3734972.7/27
Left In: 5262.754+/-0.913 χ²/NDF:2425604.2/22
Left: 5424.765+/-0.653 χ²/NDF: 4274340.6/47
Right: 5666.775+/-0.868 χ²/NDF: 6010181.4/49
In: 5476.934+/-0.750 χ²/NDF:4803695.2/44
Out: 5545.519+/-0.727 χ²/NDF:5526180.0/52
All: 5512.296+/-0.522 χ²/NDF: 10334190.7/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.213+/-3.849 χ^2/NDF: 25.9/21

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

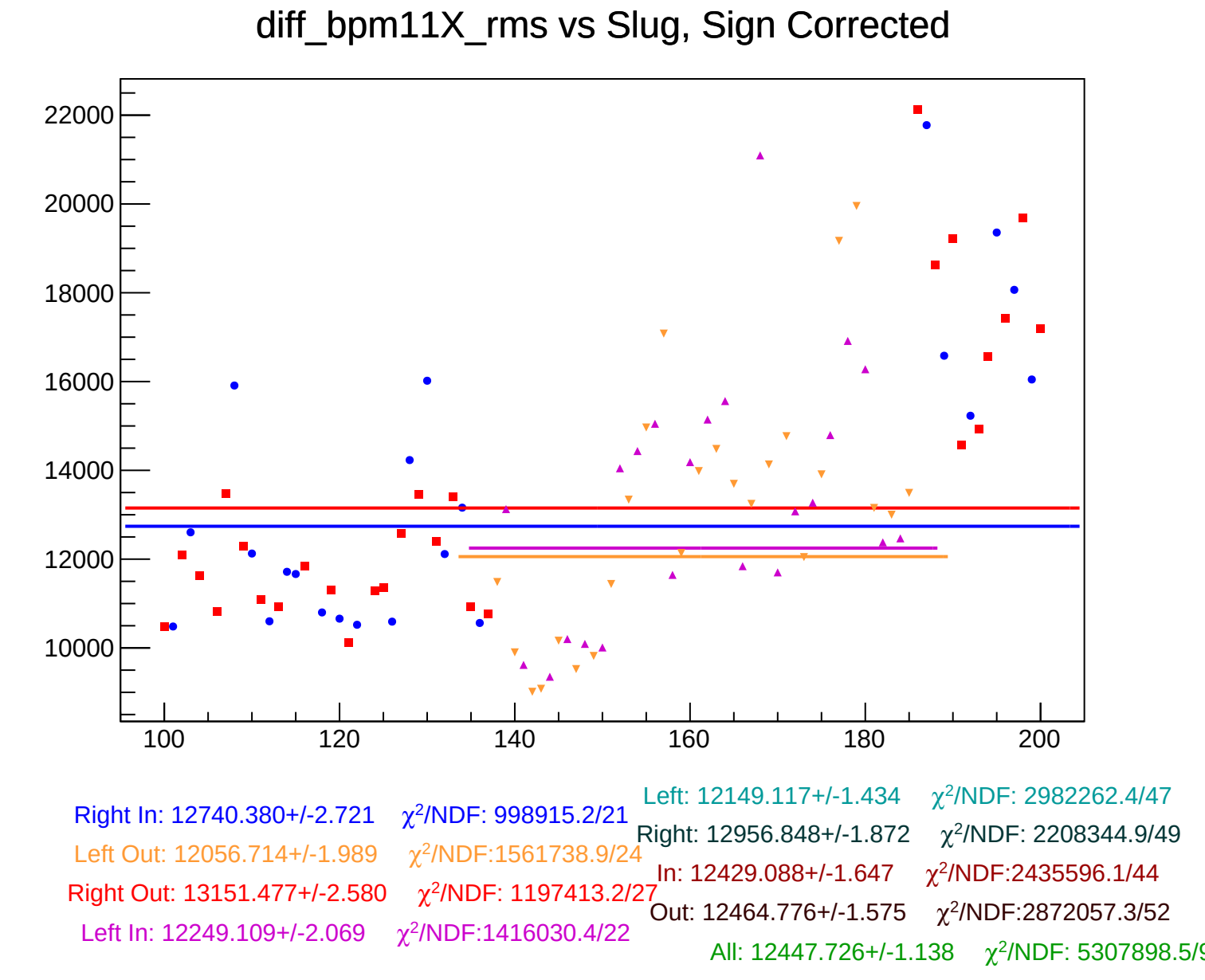
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -2.947+/-2.648 χ^2/NDF: 56.1/49

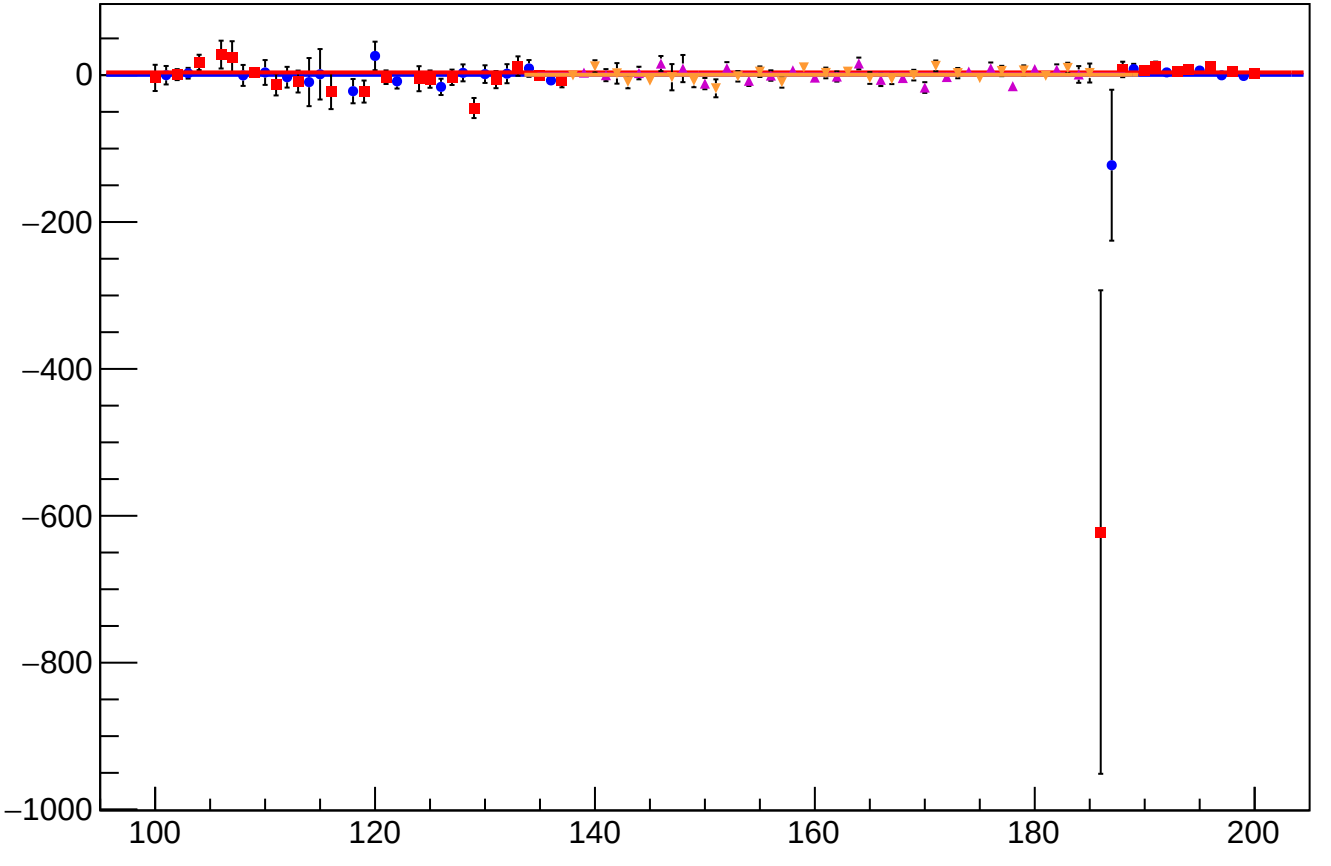
In: -0.864+/-2.329 χ^2/NDF:37.6/44

Out: -2.041+/-2.228 χ^2/NDF:64.2/52

All: -1.479+/-1.610 χ^2/NDF: 101.9/97


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12740.380+/-2.721 χ²/NDF: 998915.2/21
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: 12956.848+/-1.872 χ²/NDF: 2208344.9/49
In: 12429.088+/-1.647 χ²/NDF:2435596.1/44
Out: 12464.776+/-1.575 χ²/NDF:2872057.3/52
All: 12447.726+/-1.138 χ²/NDF: 5307898.5/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.424+/-1.711 χ^2/NDF: 15.1/21

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

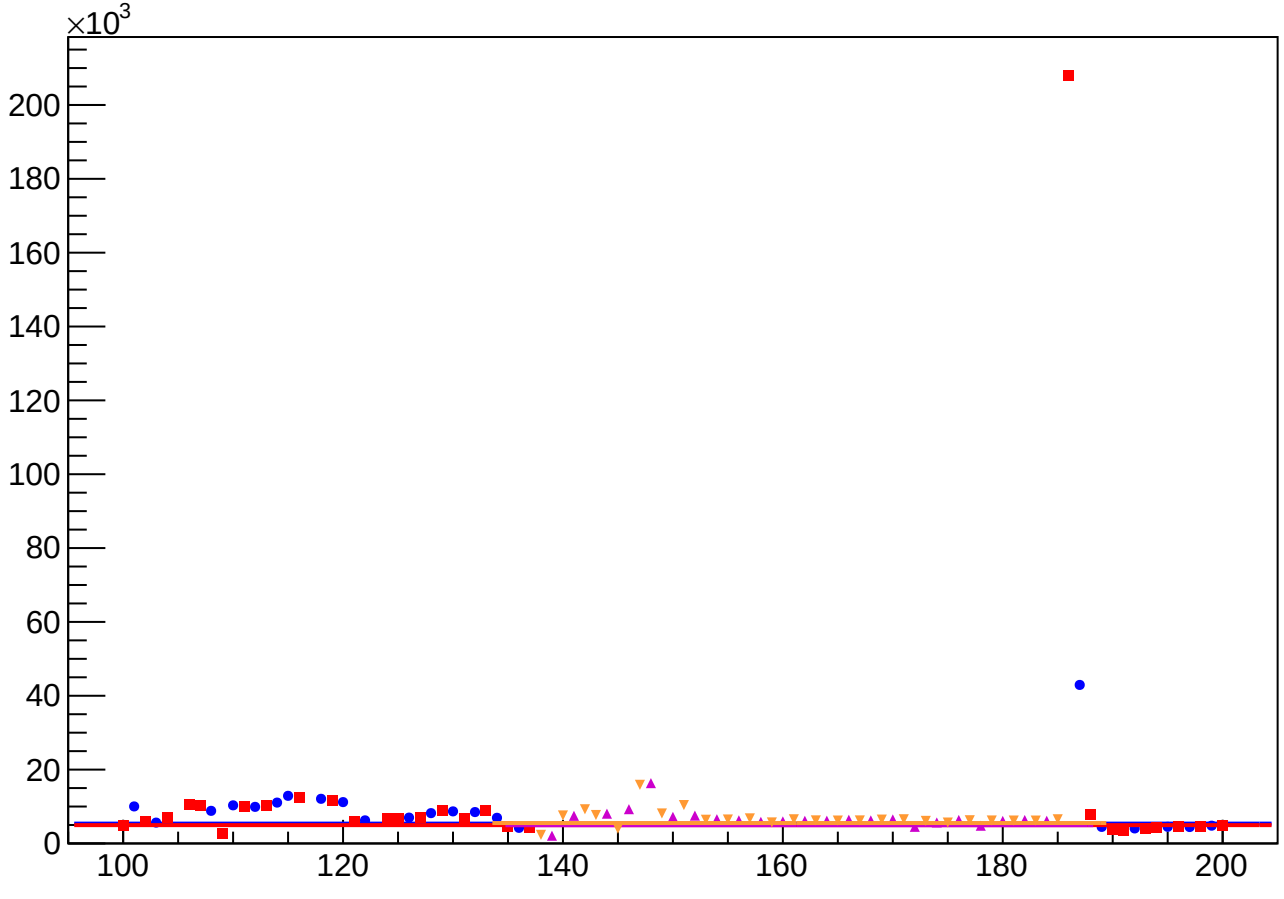
Right: 2.268+/-1.128 χ^2/NDF: 53.6/49

In: 0.756+/-1.032 χ^2/NDF:47.4/44

Out: 1.961+/-1.011 χ^2/NDF:60.3/52

All: 1.371+/-0.722 χ^2/NDF: 108.3/97

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5372.032+/-1.210 χ^2/NDF: 2708485.5/21

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

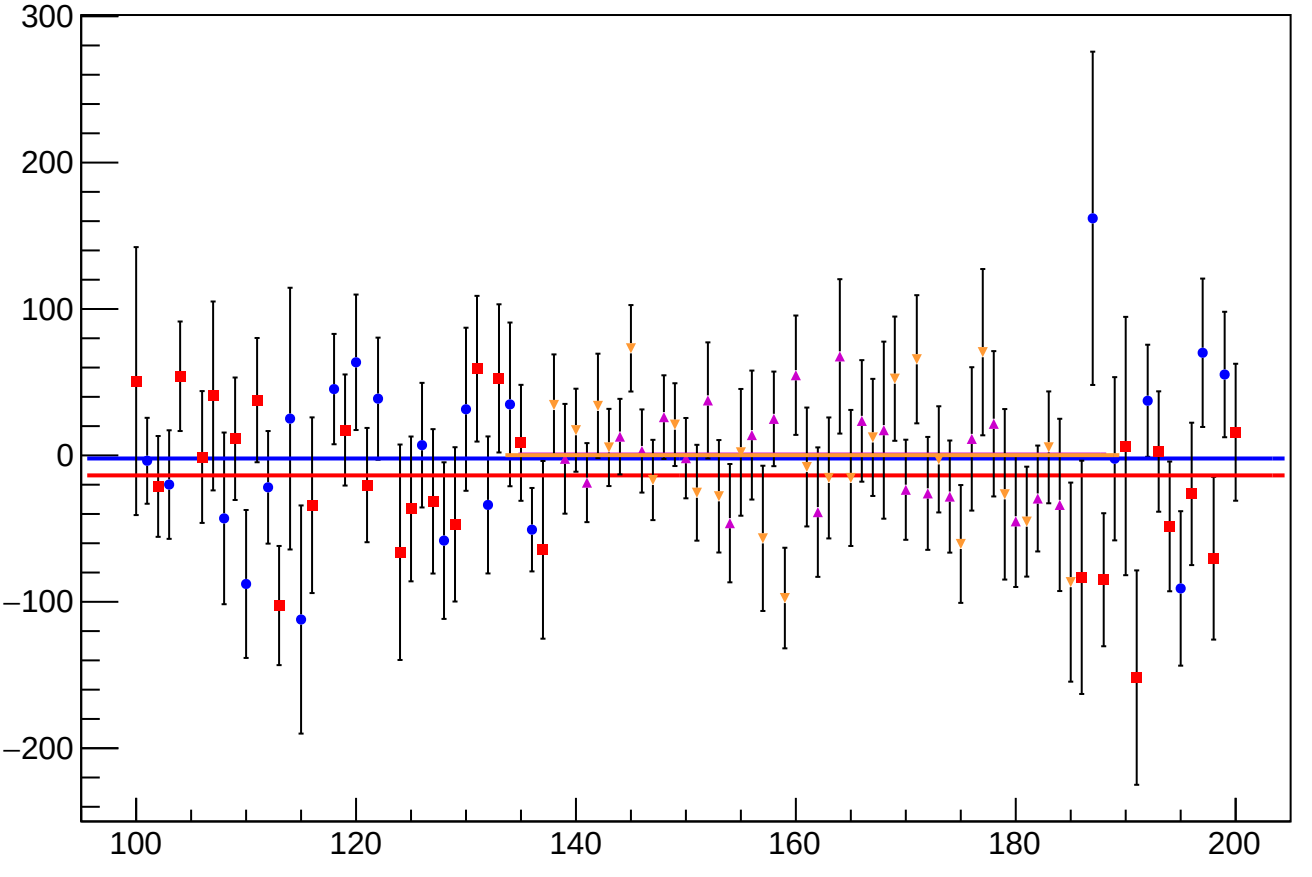
Right: 5140.546+/-0.797 χ^2/NDF: 6460757.2/49

In: 5098.472+/-0.730 χ^2/NDF:8724931.8/44

Out: 5271.100+/-0.715 χ^2/NDF:8218281.2/52

All: 5186.597+/-0.511 χ^2/NDF: 16971764.1/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

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

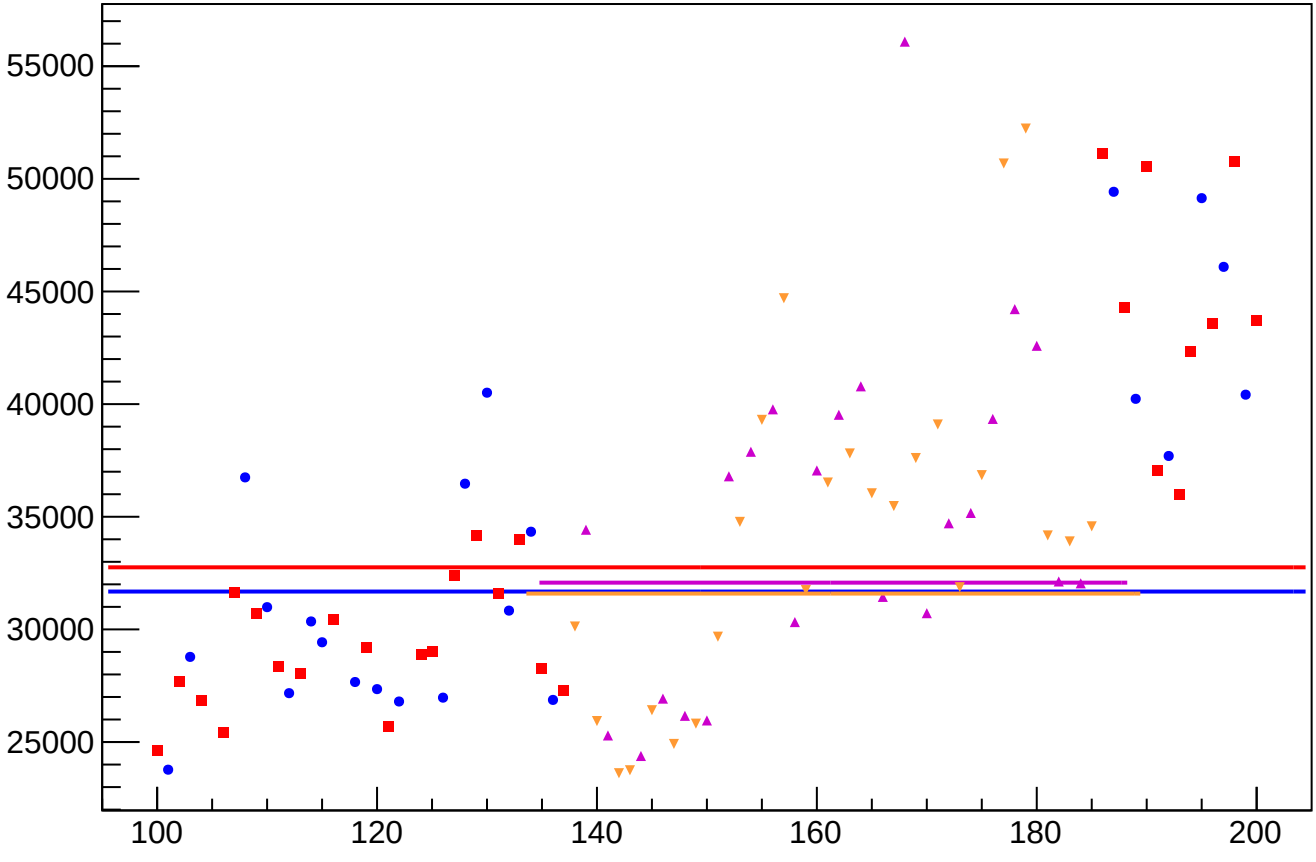
Right: -8.183+/-6.595 χ^2/NDF: 53.6/49

In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.318+/-5.727 χ^2/NDF:59.8/52

All: -2.998+/-4.138 χ^2/NDF: 98.6/97

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 31680.300+/-6.776 χ^2/NDF: 1032271.3/21

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 32755.189+/-6.428 χ^2/NDF: 1210721.1/27

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

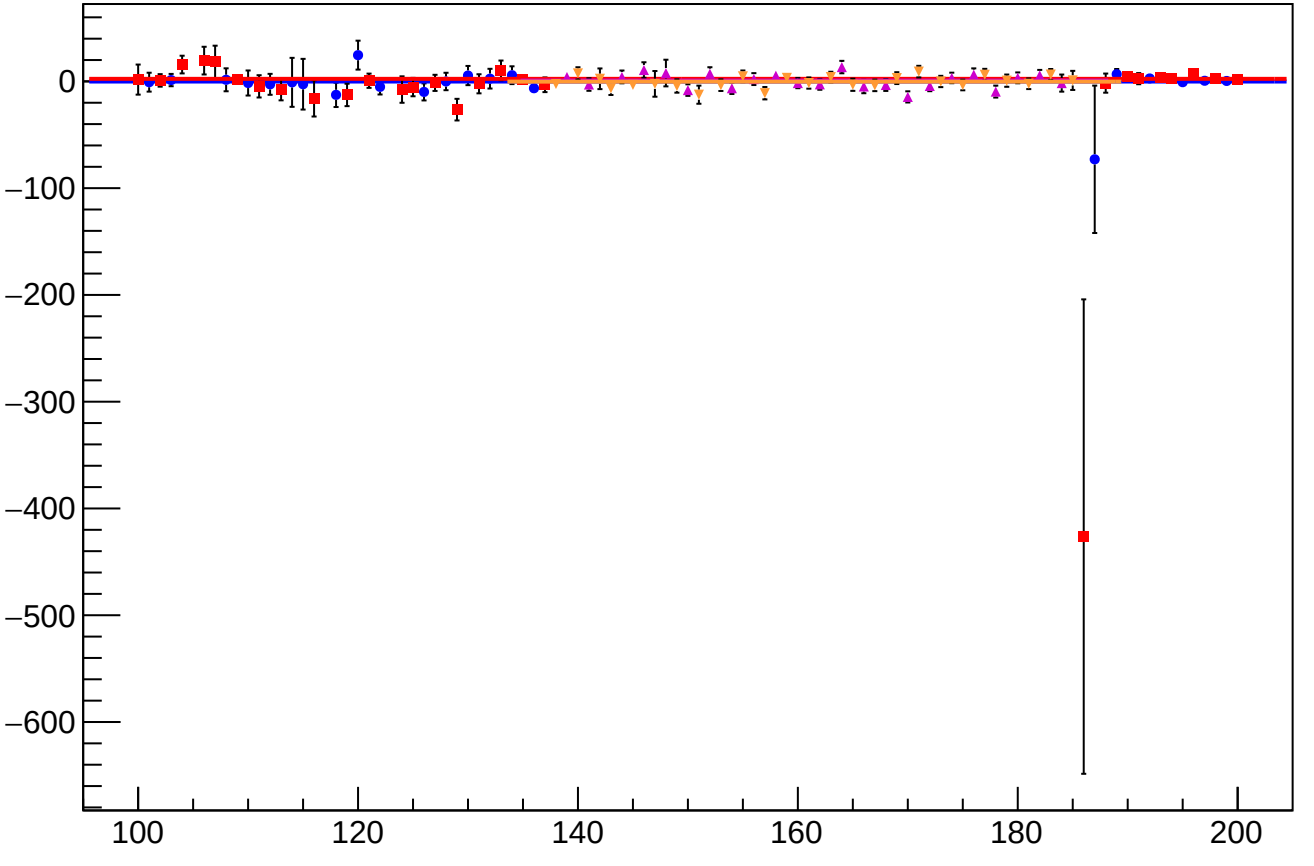
Right: 32246.033+/-4.663 χ^2/NDF: 2256238.0/49

In: 31920.991+/-4.233 χ^2/NDF:2490055.6/44

Out: 32052.389+/-4.050 χ^2/NDF:2821410.7/52

All: 31989.598+/-2.926 χ^2/NDF: 5311969.4/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.133+/-1.188 χ^2/NDF: 15.7/21

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

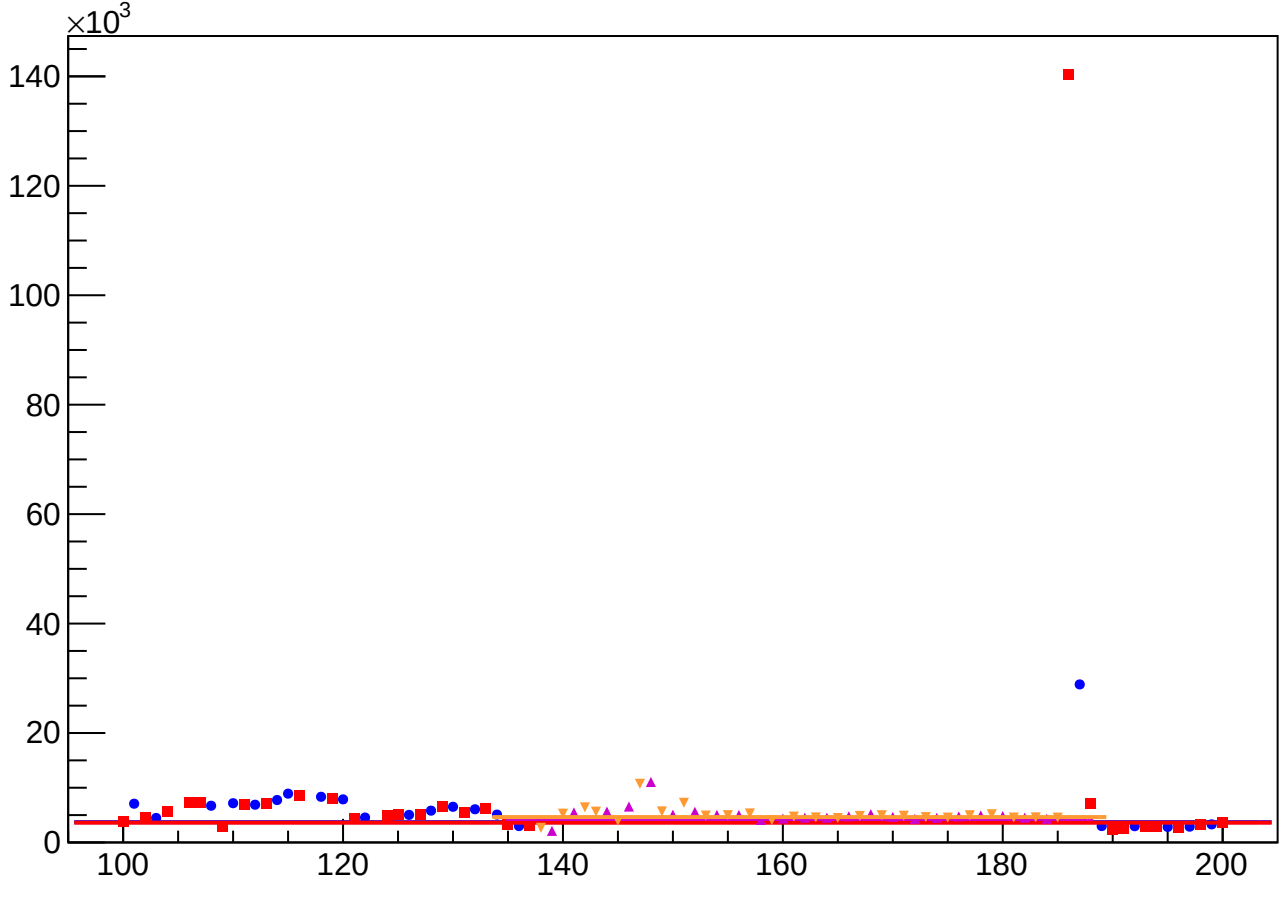
Right: 1.238+/-0.801 χ^2/NDF: 46.9/49

In: 0.380+/-0.791 χ^2/NDF:49.8/44

Out: 1.088+/-0.770 χ^2/NDF:51.6/52

All: 0.744+/-0.552 χ^2/NDF: 101.7/97

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3706.285+/-0.840 χ^2/NDF: 2985124.7/21

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

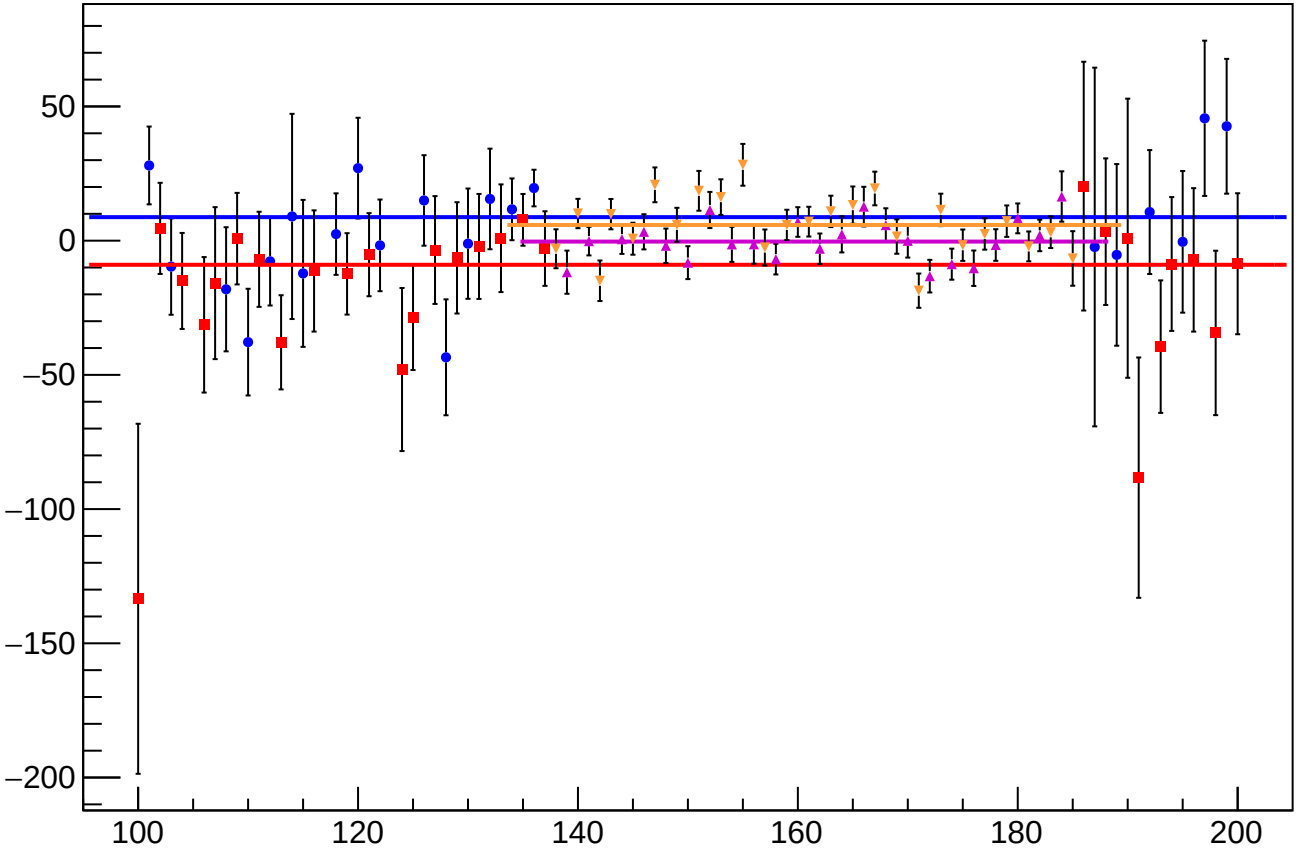
Right: 3658.253+/-0.566 χ^2/NDF: 6712763.9/49

In: 4034.036+/-0.560 χ^2/NDF:6353989.6/44

Out: 4123.047+/-0.544 χ^2/NDF:6360794.6/52

All: 4079.765+/-0.390 χ^2/NDF: 12727784.6/9

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 8.768+/-3.634 χ^2/NDF: 25.5/21

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

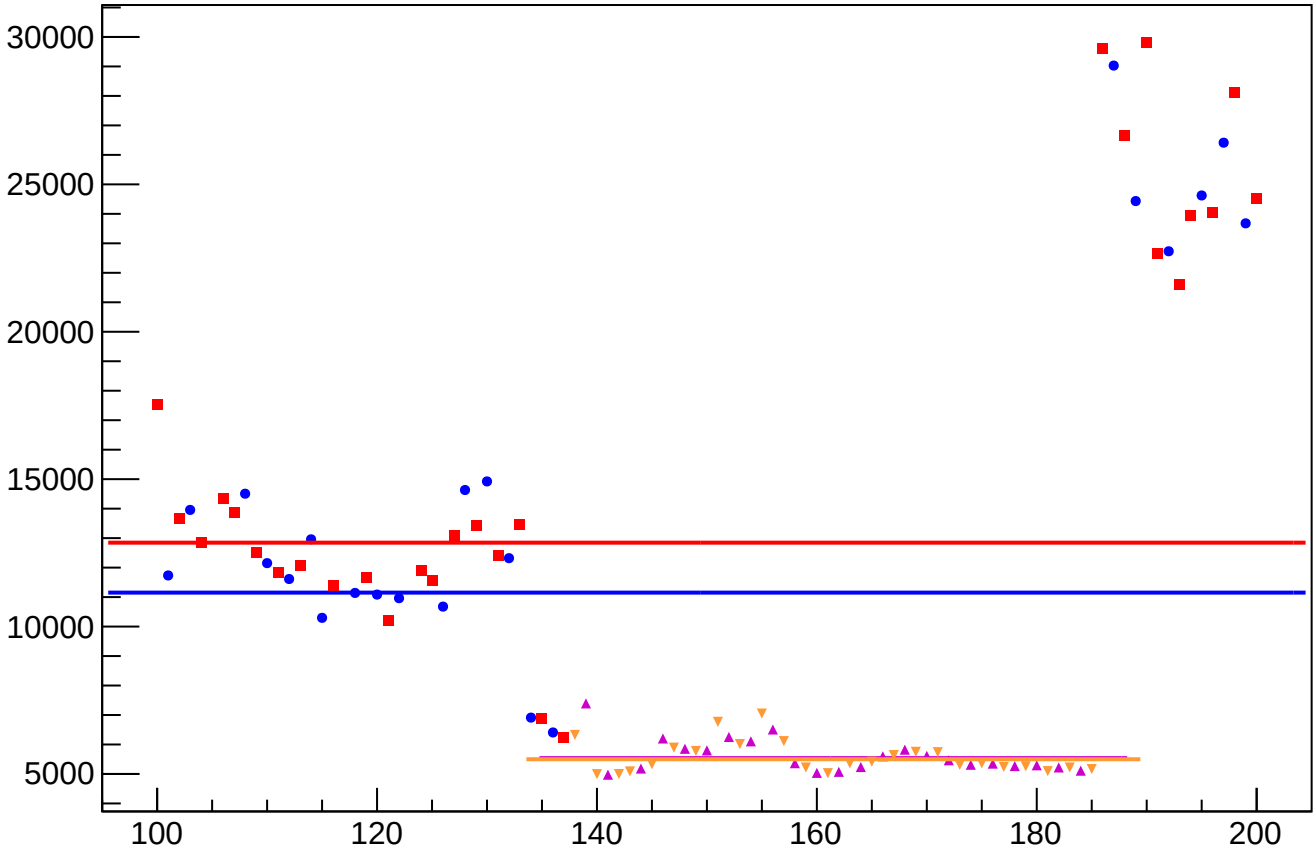
Right: 0.283+/-2.625 χ^2/NDF: 57.5/49

In: 0.697+/-1.225 χ^2/NDF:60.4/44

Out: 4.383+/-1.194 χ^2/NDF:94.5/52

All: 2.588+/-0.855 χ^2/NDF: 159.5/97

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11151.978+/-2.570 χ^2/NDF: 4006575.4/21

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

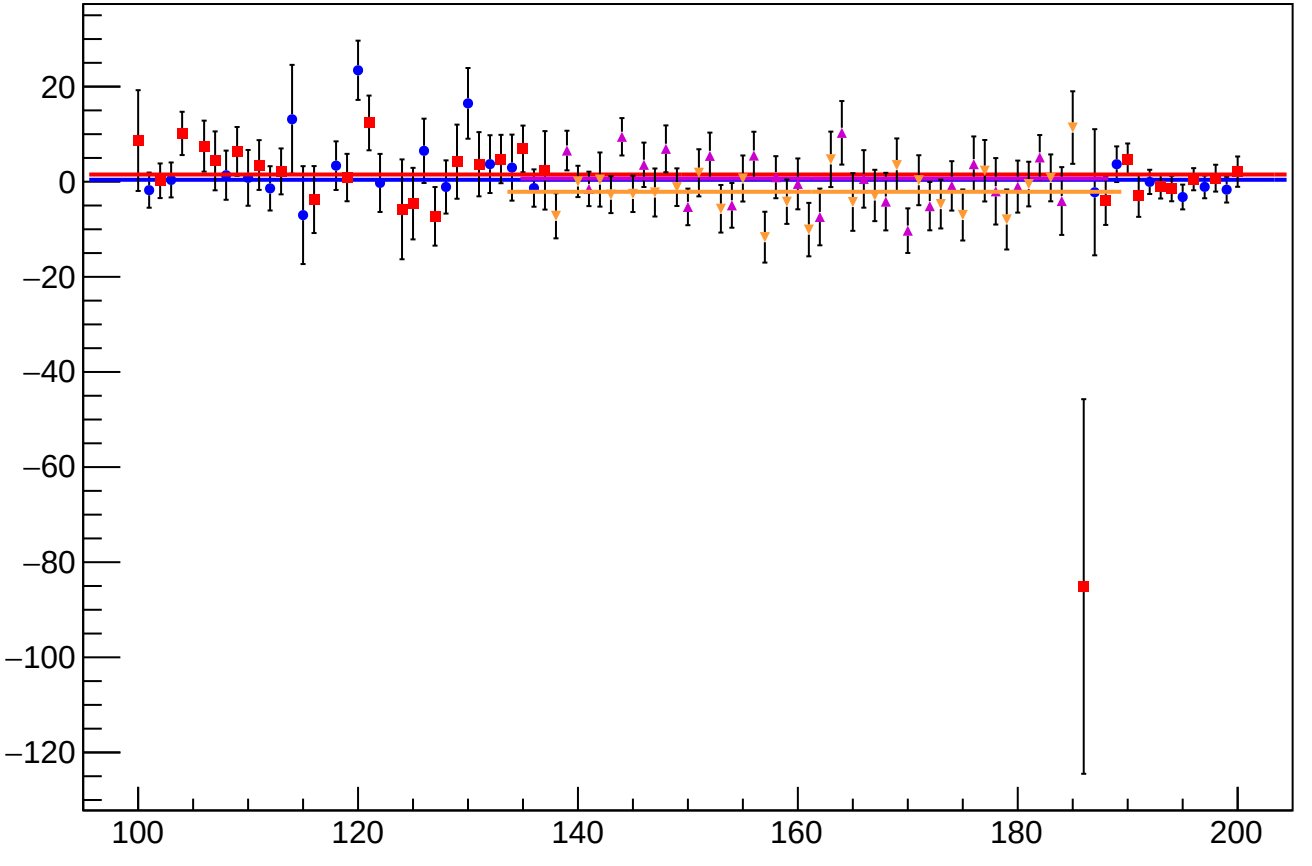
Right: 11961.862+/-1.856 χ^2/NDF: 8535393.9/49

In: 6175.453+/-0.866 χ^2/NDF:8542275.9/44

Out: 6225.238+/-0.844 χ^2/NDF:11366150.1/52

All: 6200.984+/-0.604 χ^2/NDF: 19910121.0/9

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 0.408+/-0.898 χ^2/NDF: 26.2/21

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

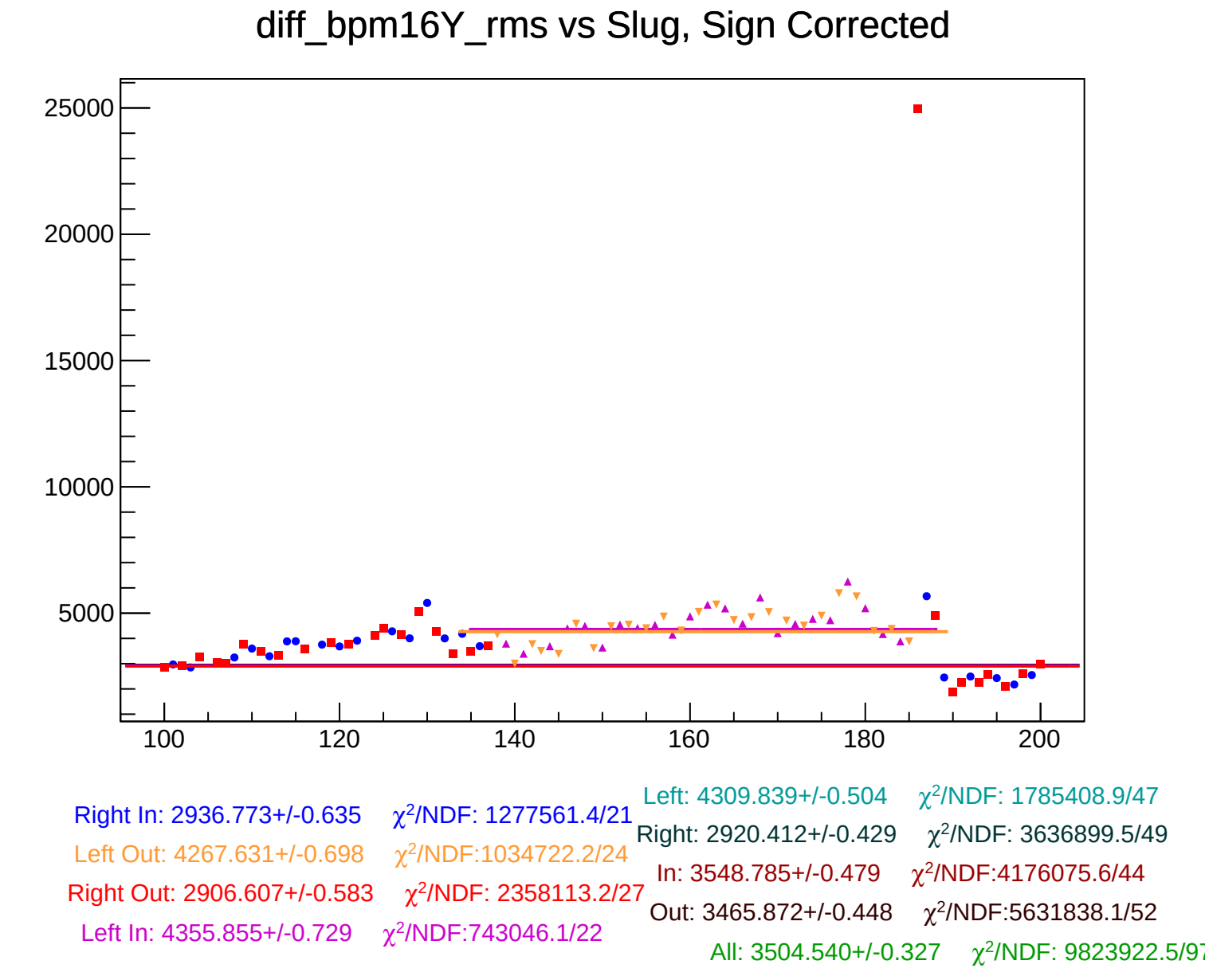
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.010+/-0.607 χ^2/NDF: 53.4/49

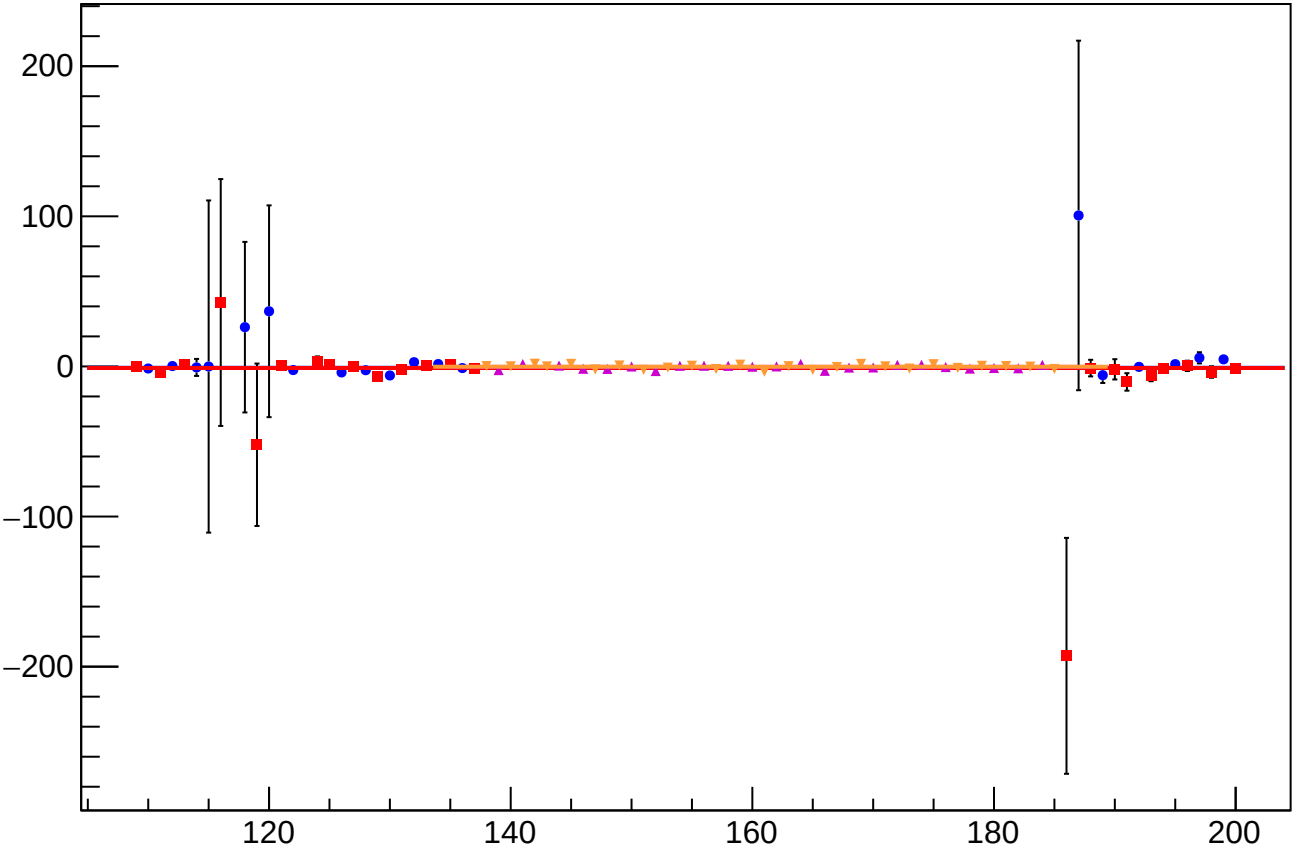
In: 0.521+/-0.677 χ^2/NDF:54.6/44

Out: 0.025+/-0.633 χ^2/NDF:51.8/52

All: 0.256+/-0.462 χ^2/NDF: 106.7/97


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2936.773+/-0.635 χ²/NDF: 1277561.4/21
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2906.607+/-0.583 χ²/NDF: 2358113.2/27
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2920.412+/-0.429 χ²/NDF: 3636899.5/49
In: 3548.785+/-0.479 χ²/NDF:4176075.6/44
Out: 3465.872+/-0.448 χ²/NDF:5631838.1/52
All: 3504.540+/-0.327 χ²/NDF: 9823922.5/97

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.923+/-0.664 χ^2/NDF: 20.2/18

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

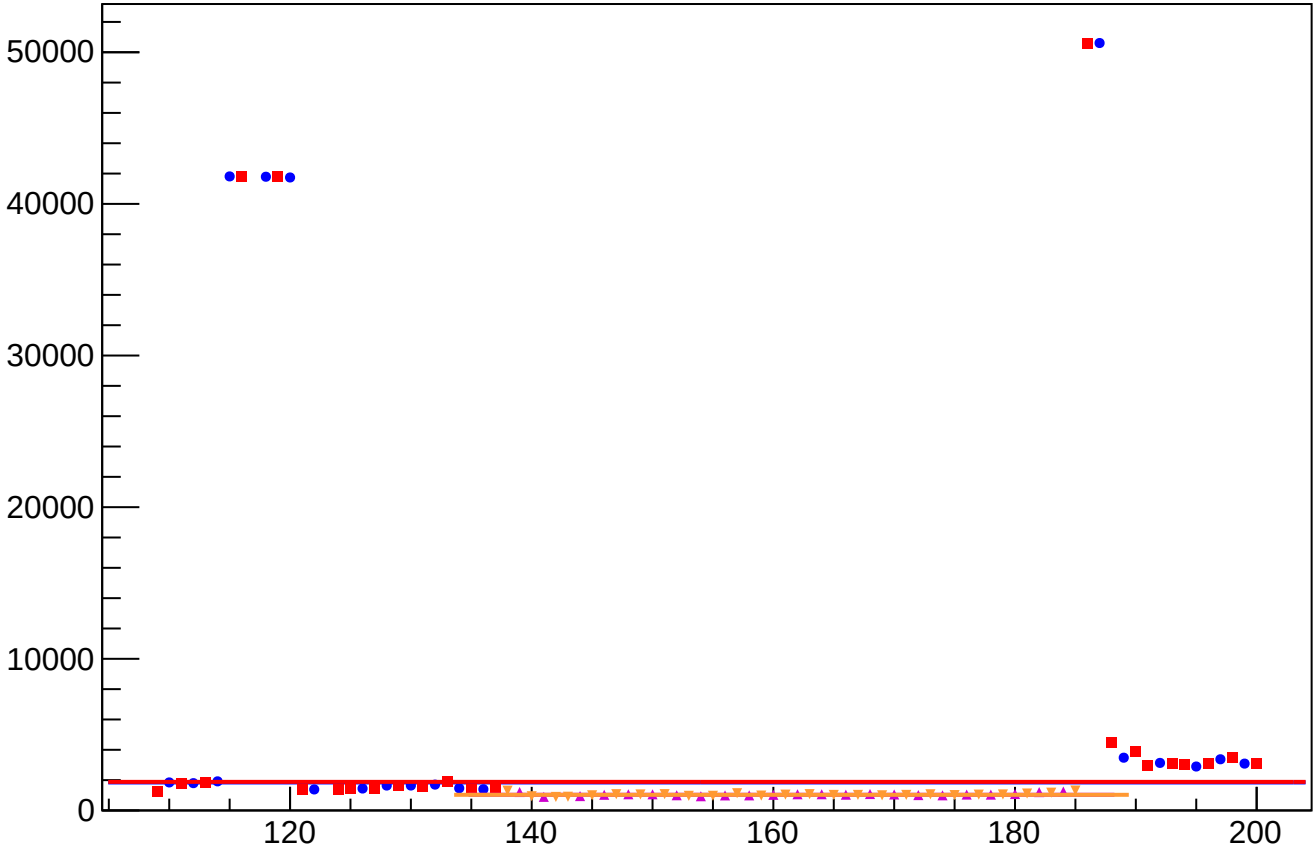
Right: -0.983+/-0.460 χ^2/NDF: 44.8/41

In: -0.403+/-0.228 χ^2/NDF:50.4/41

Out: -0.301+/-0.221 χ^2/NDF:60.0/47

All: -0.350+/-0.159 χ^2/NDF: 110.5/89

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1846.063+/-0.470 χ^2/NDF: 4040592.4/18

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

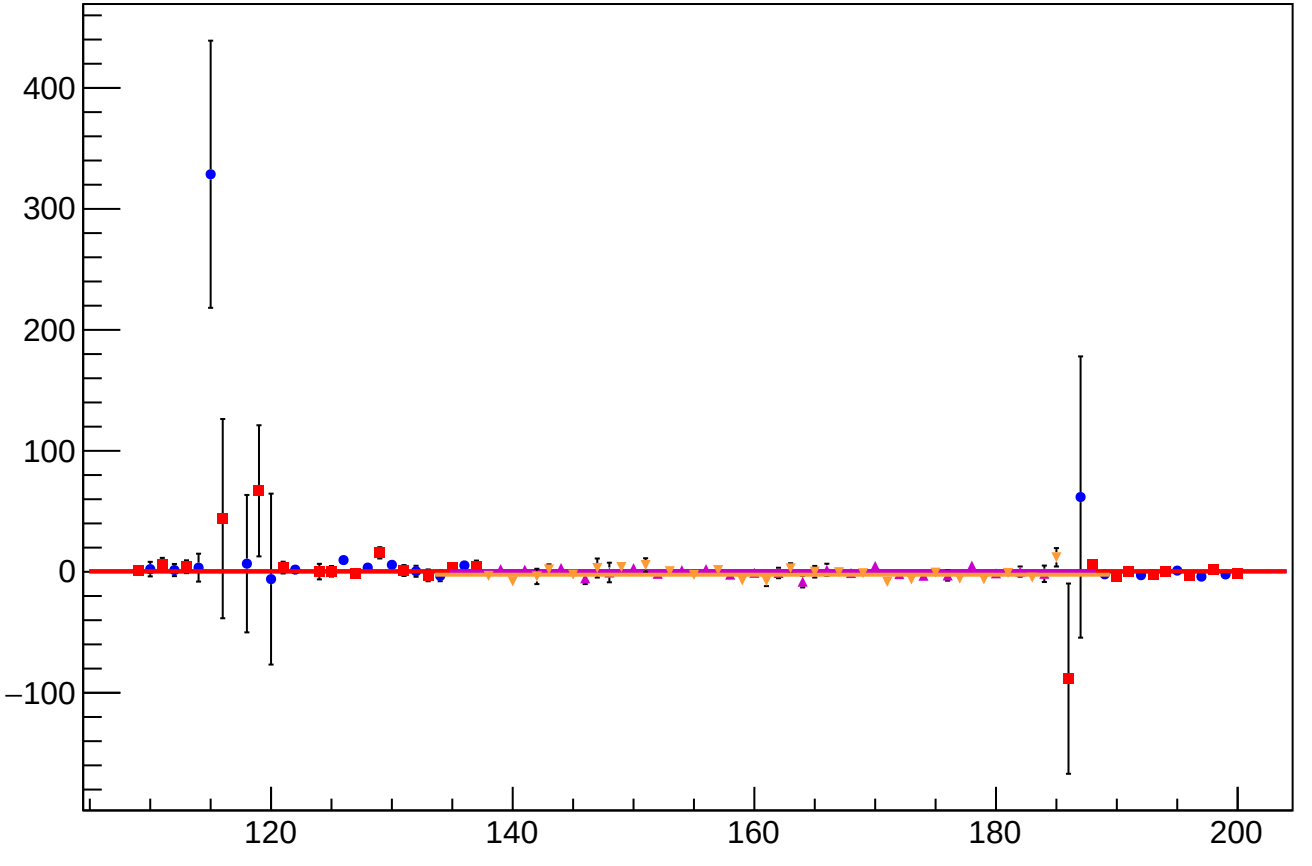
Right: 1866.398+/-0.326 χ^2/NDF: 9112212.9/41

In: 1128.108+/-0.161 χ^2/NDF:6873901.4/41

Out: 1133.670+/-0.156 χ^2/NDF:8458377.7/47

All: 1130.970+/-0.112 χ^2/NDF: 15332894.3/8

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.302+/-0.784 χ^2/NDF: 31.1/18

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

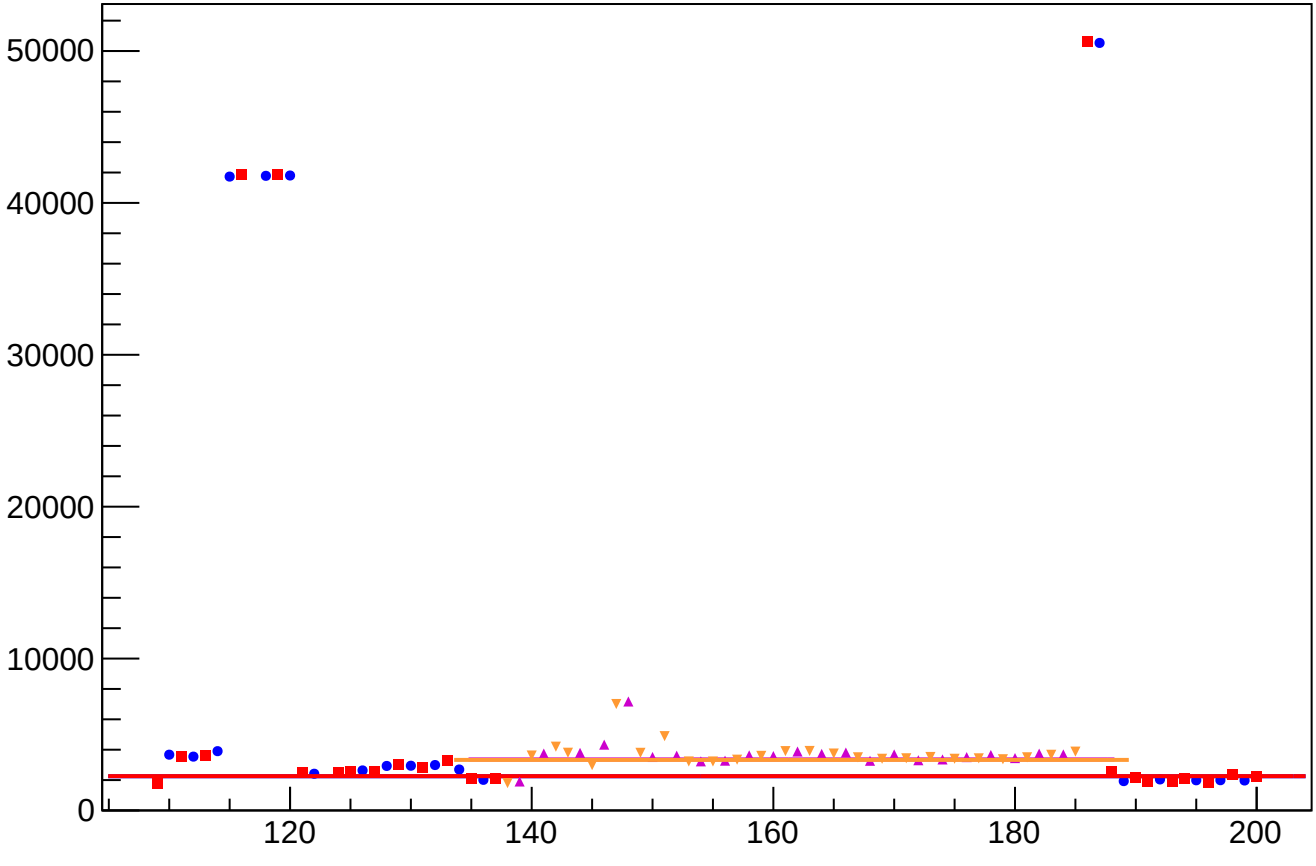
Right: 0.406+/-0.534 χ^2/NDF: 58.6/41

In: 0.239+/-0.563 χ^2/NDF:43.8/41

Out: -0.844+/-0.534 χ^2/NDF:59.0/47

All: -0.331+/-0.387 χ^2/NDF: 104.7/89

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2249.638+/-0.554 χ^2/NDF: 2847089.4/18

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

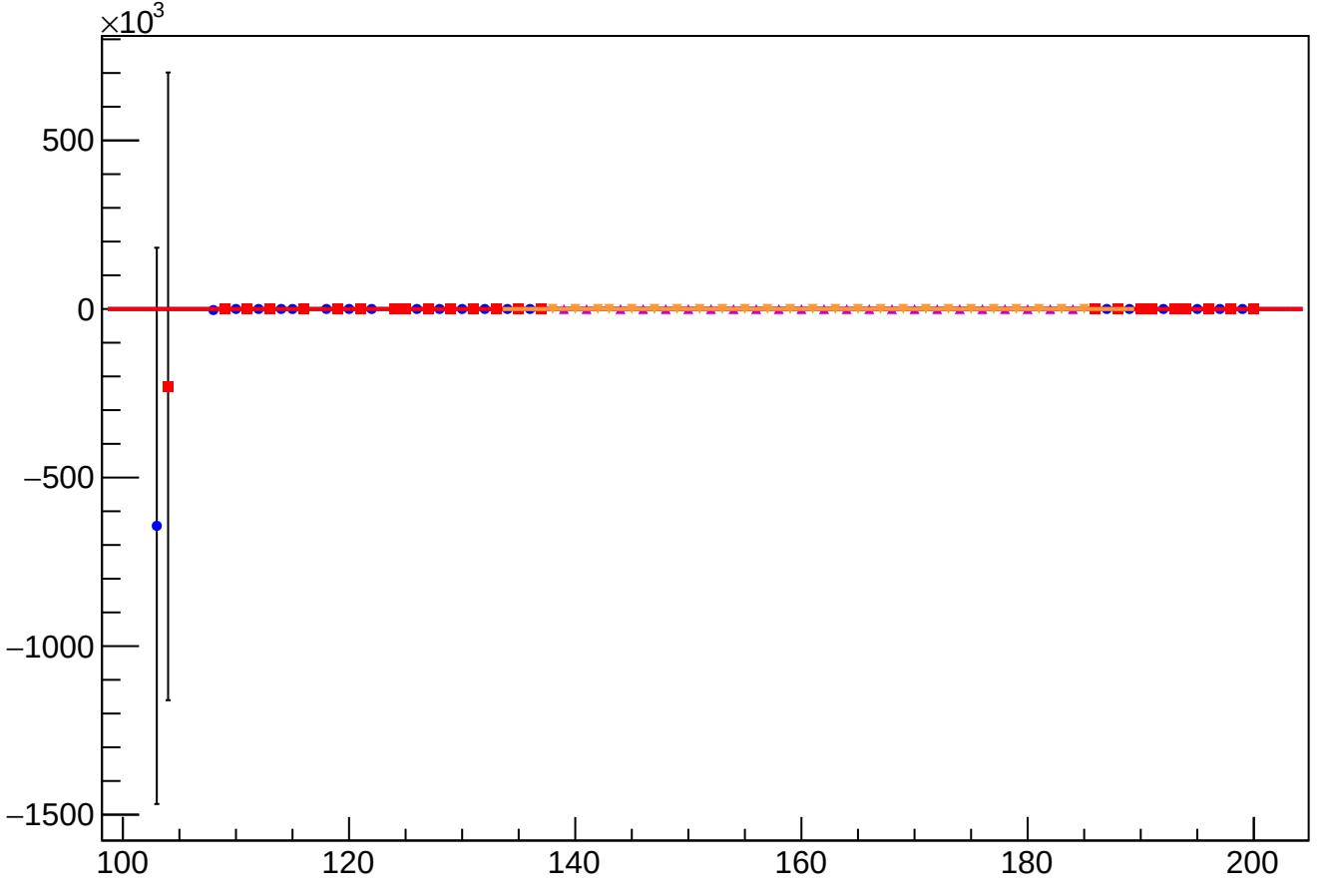
Right: 2254.701+/-0.378 χ^2/NDF: 5828034.1/41

In: 2787.421+/-0.398 χ^2/NDF:6440475.2/41

Out: 2757.157+/-0.377 χ^2/NDF:6892835.4/47

All: 2771.477+/-0.274 χ^2/NDF: 13336352.8/8

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.533+/-0.758 χ^2/NDF: 22.0/20

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

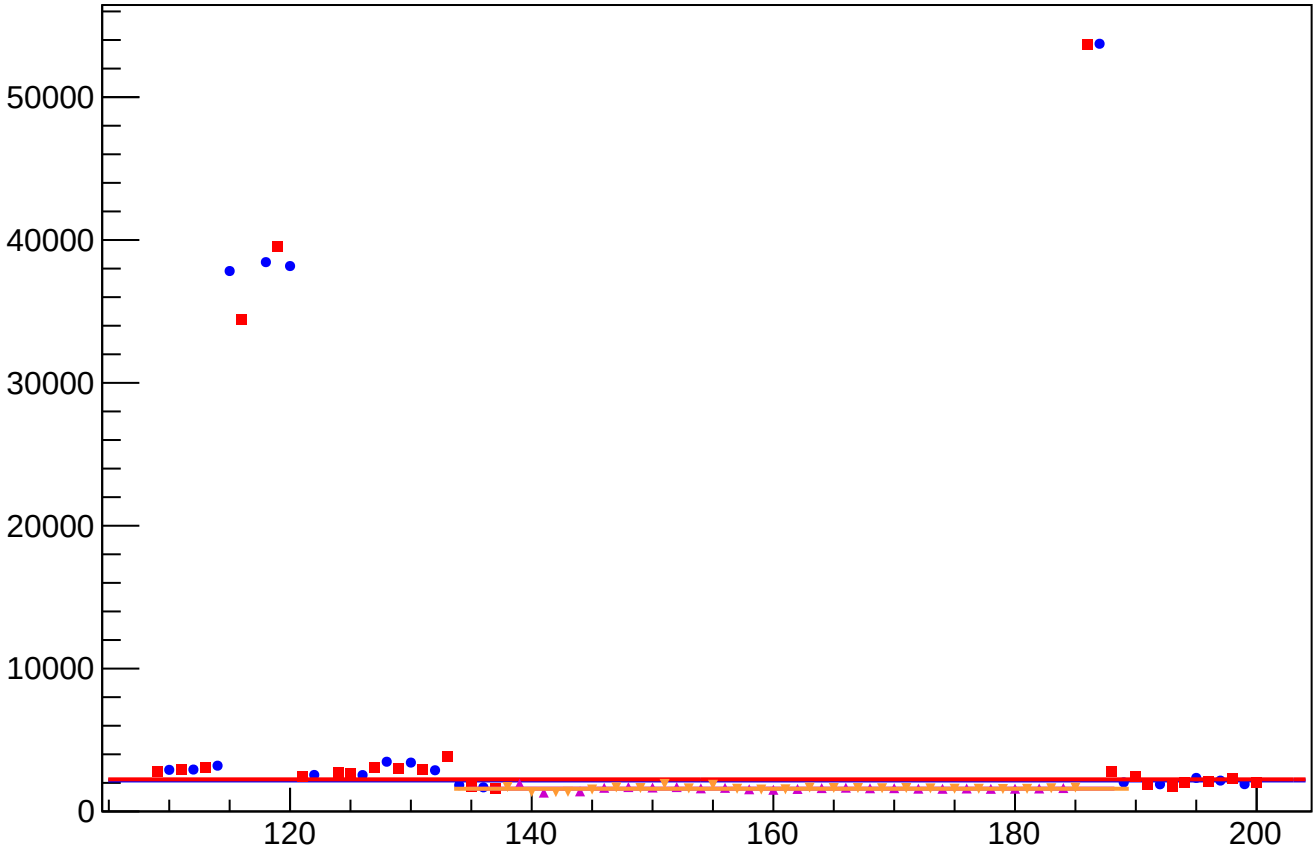
Right: 0.292+/-0.522 χ^2/NDF: 56.2/44

In: -0.315+/-0.336 χ^2/NDF:52.6/43

Out: -0.861+/-0.324 χ^2/NDF:92.4/48

All: -0.598+/-0.233 χ^2/NDF: 146.4/92

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2168.996+/-0.536 χ^2/NDF: 2930409.5/18

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

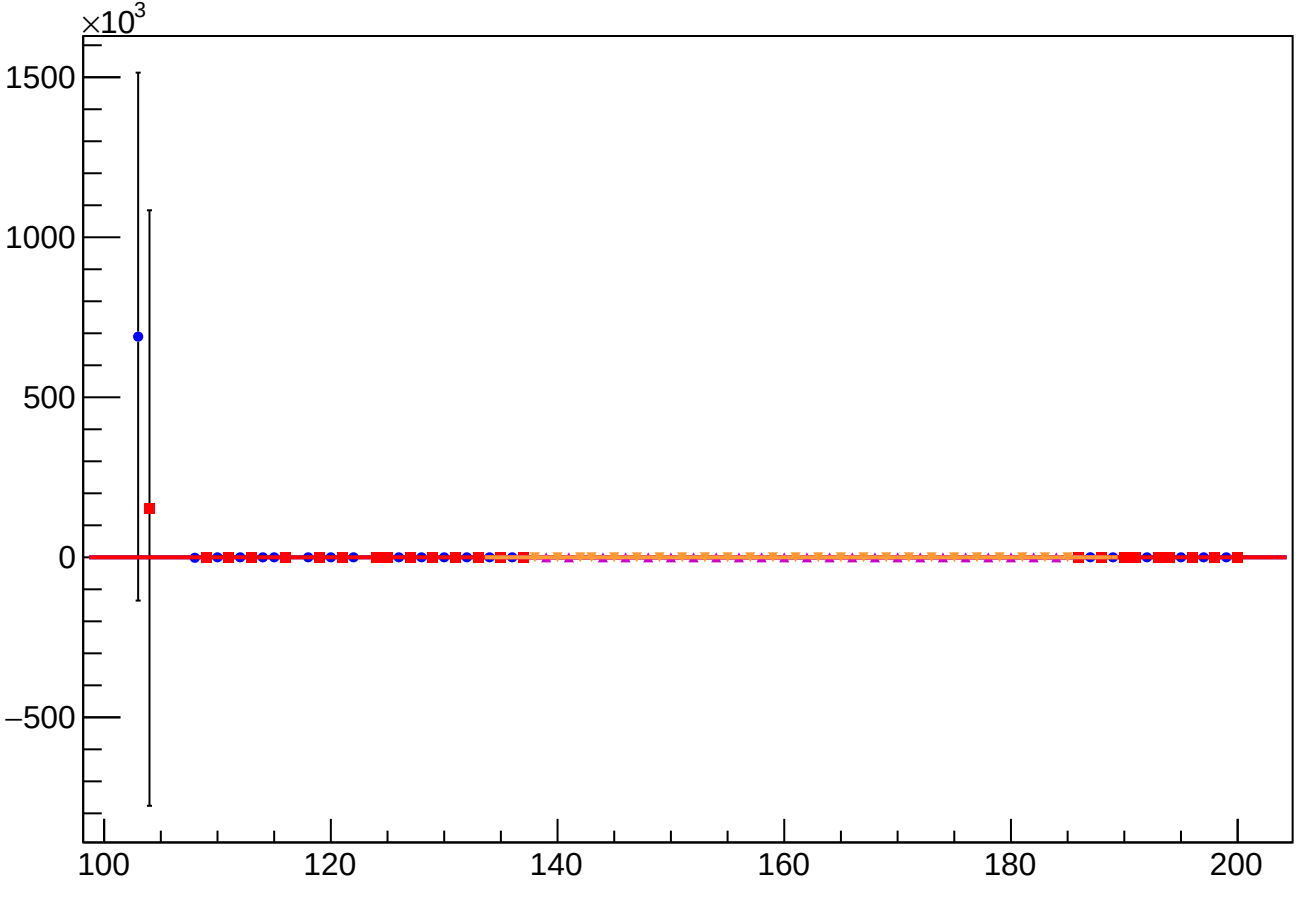
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2210.328+/-0.369 χ^2/NDF: 6110841.1/41

In: 1708.633+/-0.237 χ^2/NDF:4046078.5/41

Out: 1722.807+/-0.229 χ^2/NDF:4734160.8/47

All: 1715.970+/-0.165 χ^2/NDF: 8782085.1/89



Right In: 0.352+/-0.653 χ^2/NDF: 13.3/20

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

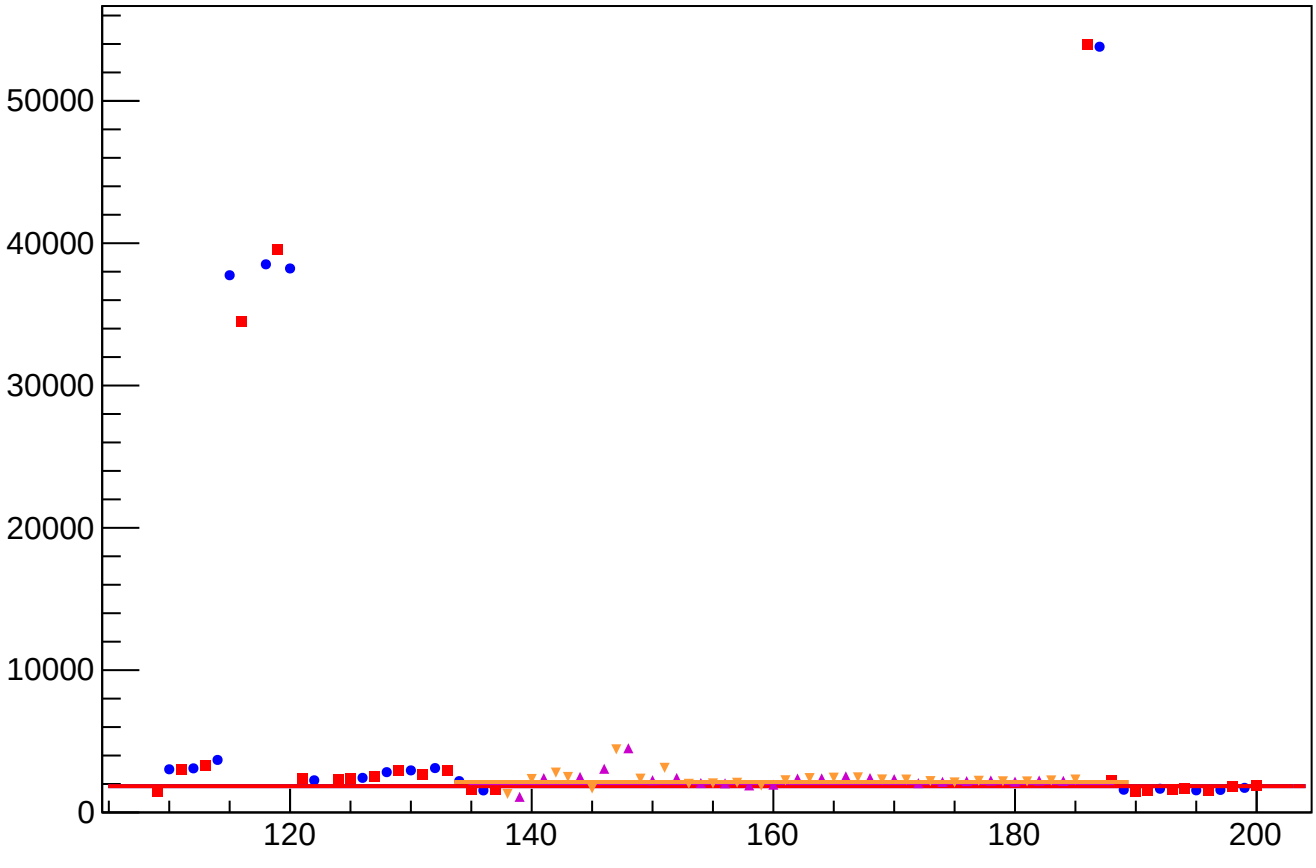
Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

Right: 0.177+/-0.443 χ^2/NDF: 39.5/44

In: 0.052+/-0.398 χ^2/NDF:30.5/43

Out: -0.685+/-0.386 χ^2/NDF:52.9/48

All: -0.327+/-0.277 χ^2/NDF: 85.1/92



Right In: 1849.201+/-0.462 χ^2/NDF: 3279907.1/18

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

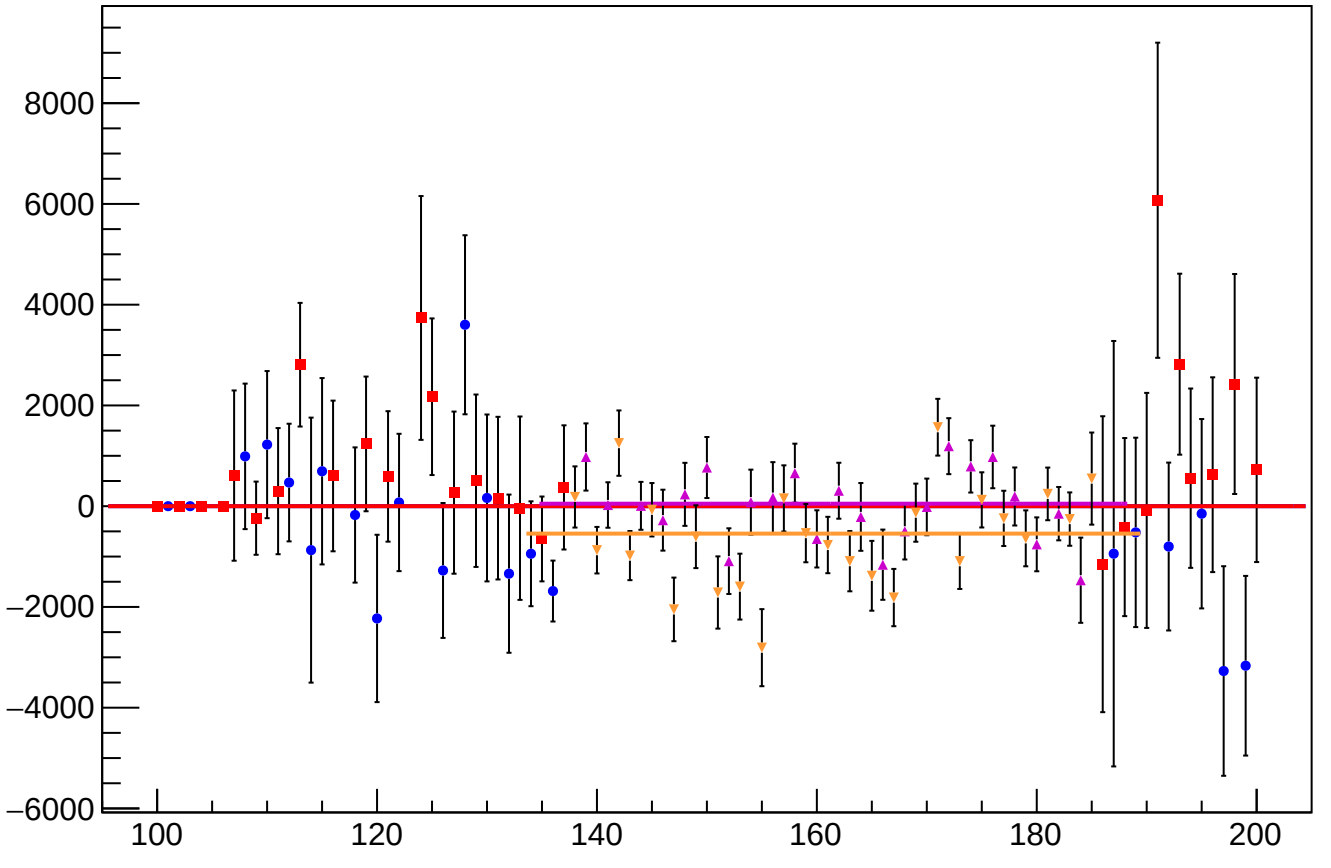
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1848.318+/-0.313 χ^2/NDF: 6689635.4/41

In: 1980.745+/-0.281 χ^2/NDF:5702405.1/41

Out: 2019.868+/-0.273 χ^2/NDF:5165561.4/47

All: 2000.879+/-0.196 χ^2/NDF: 10877929.2/8



Right In: 0.255+/-0.356 χ^2/NDF: 23.7/21

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

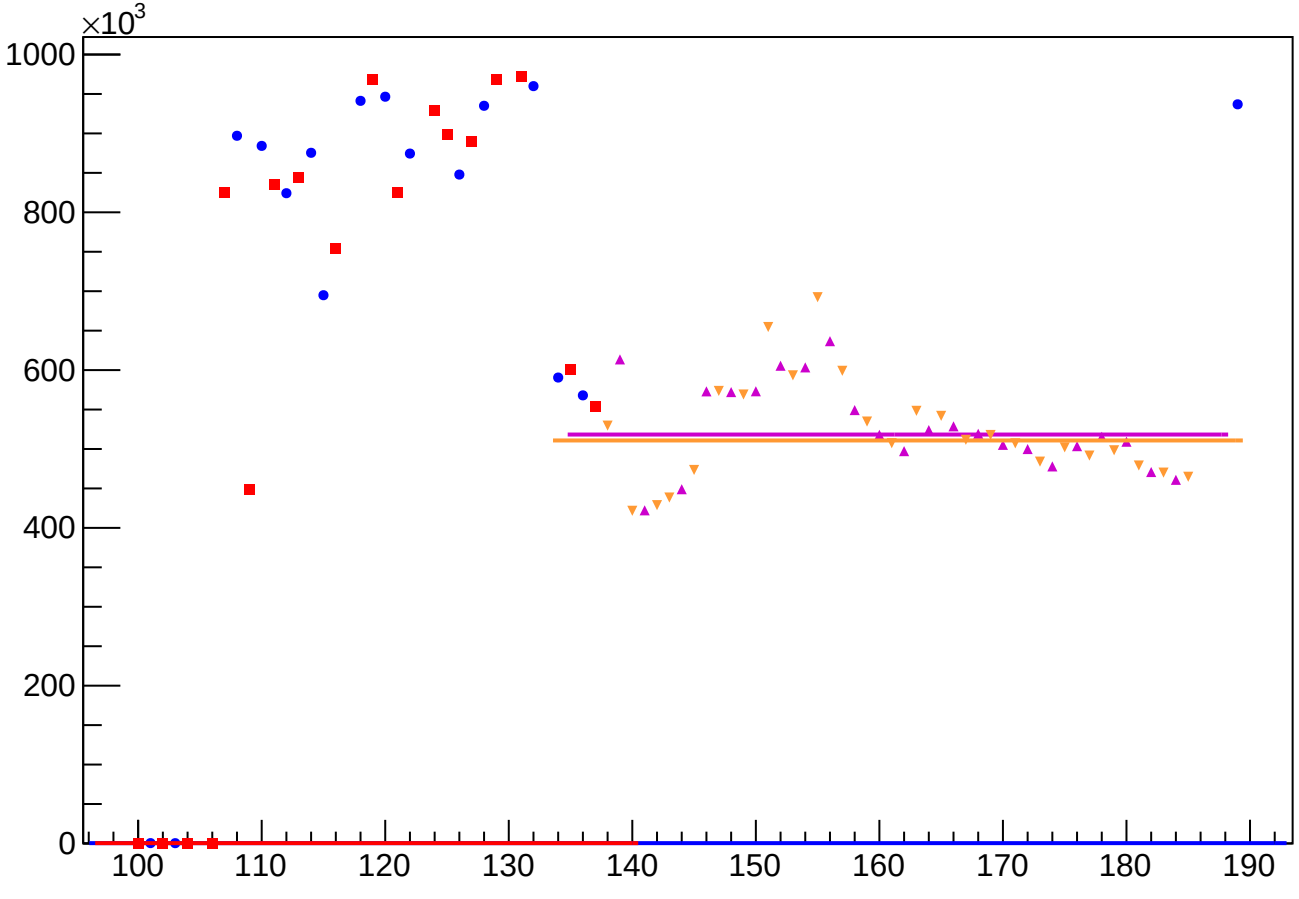
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

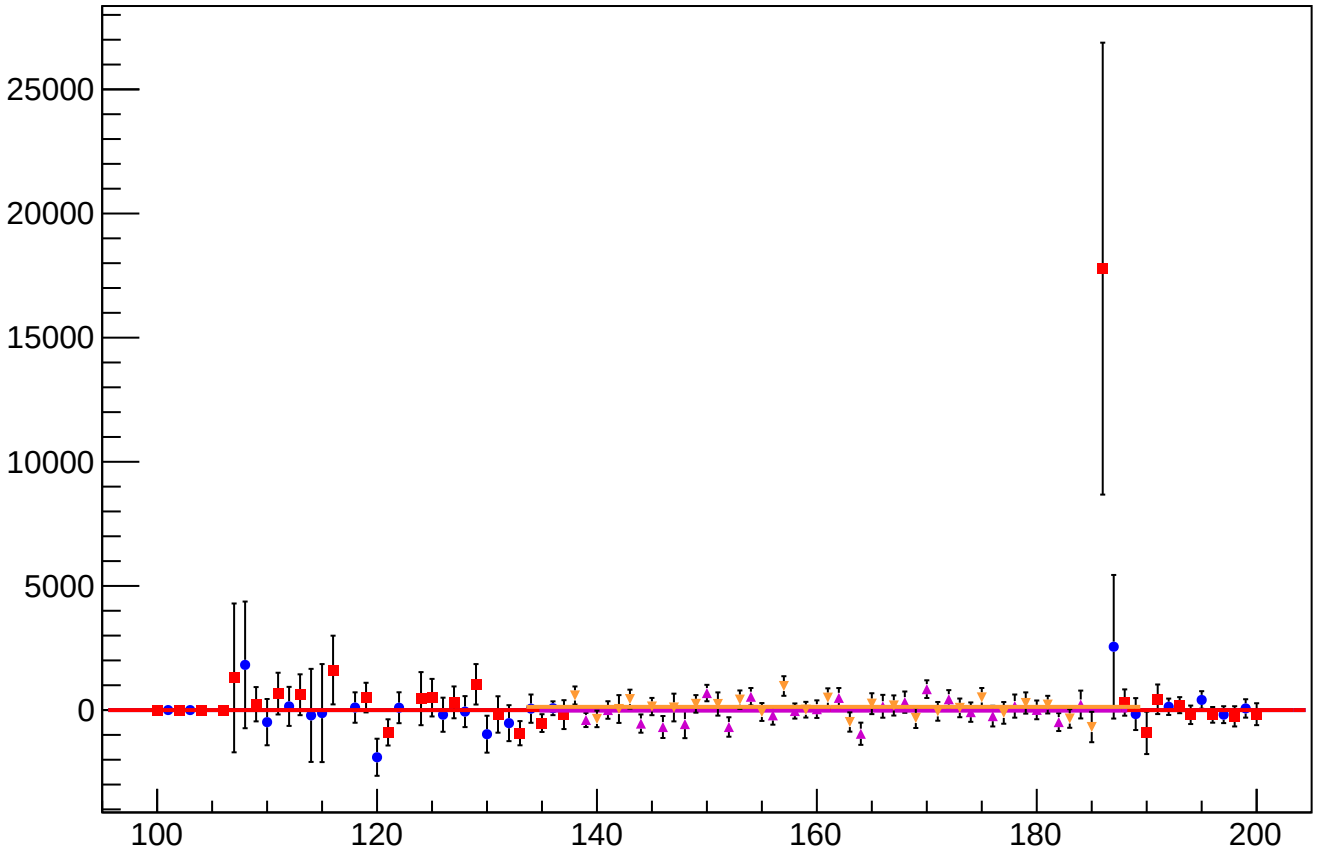
Right: 0.065+/-0.241 χ^2/NDF: 47.7/49

In: 0.255+/-0.356 χ^2/NDF:51.9/44

Out: -0.100+/-0.328 χ^2/NDF:105.9/52

All: 0.063+/-0.241 χ^2/NDF: 158.3/97


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



Right In: -0.020+/-0.347 χ^2/NDF: 13.1/21

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

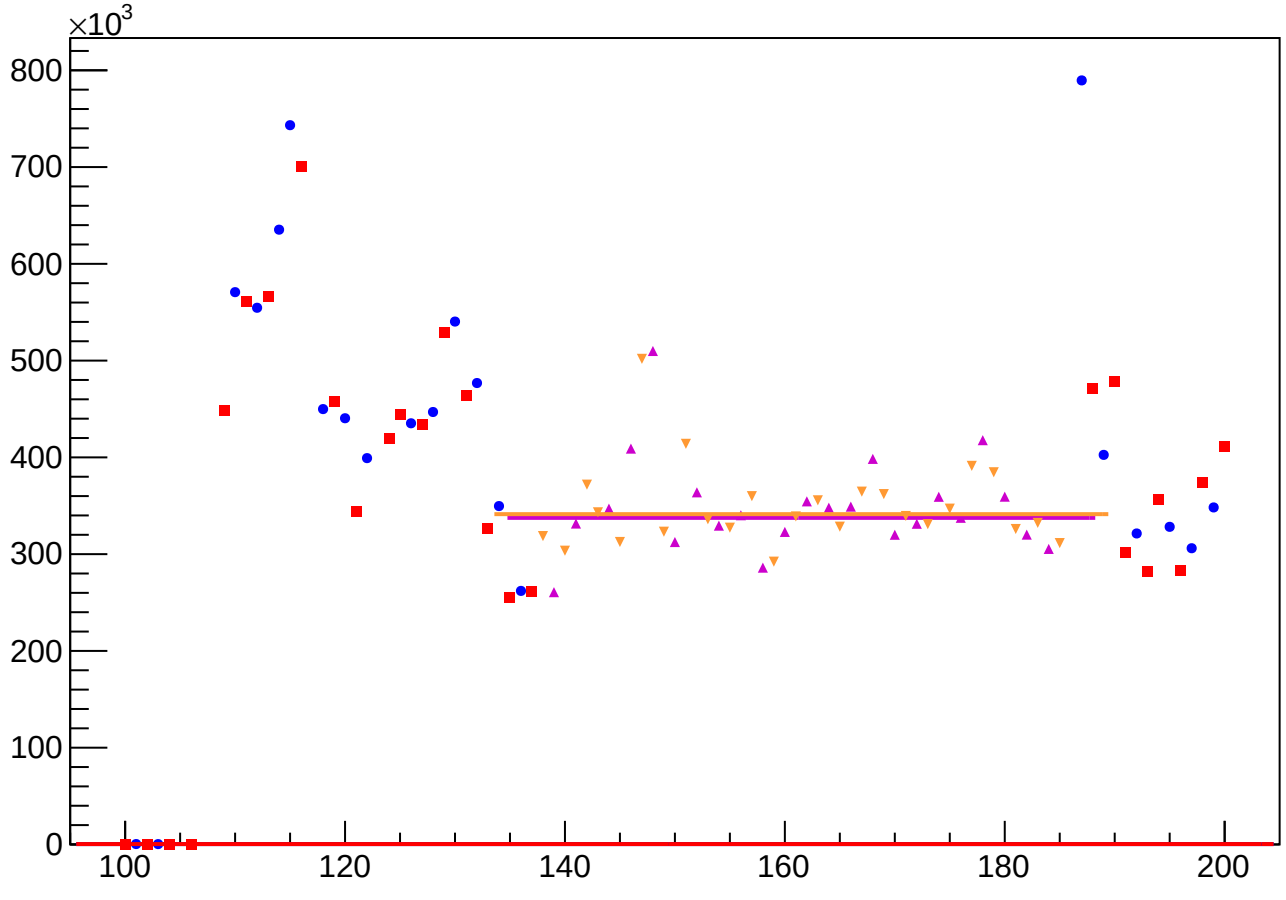
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 37.0/49

In: -0.020+/-0.347 χ^2/NDF:46.9/44

Out: -0.597+/-0.324 χ^2/NDF:45.2/52

All: -0.329+/-0.237 χ^2/NDF: 93.6/97



Right In: 391.689+/-0.245 χ^2/NDF: 18929181.4/20

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

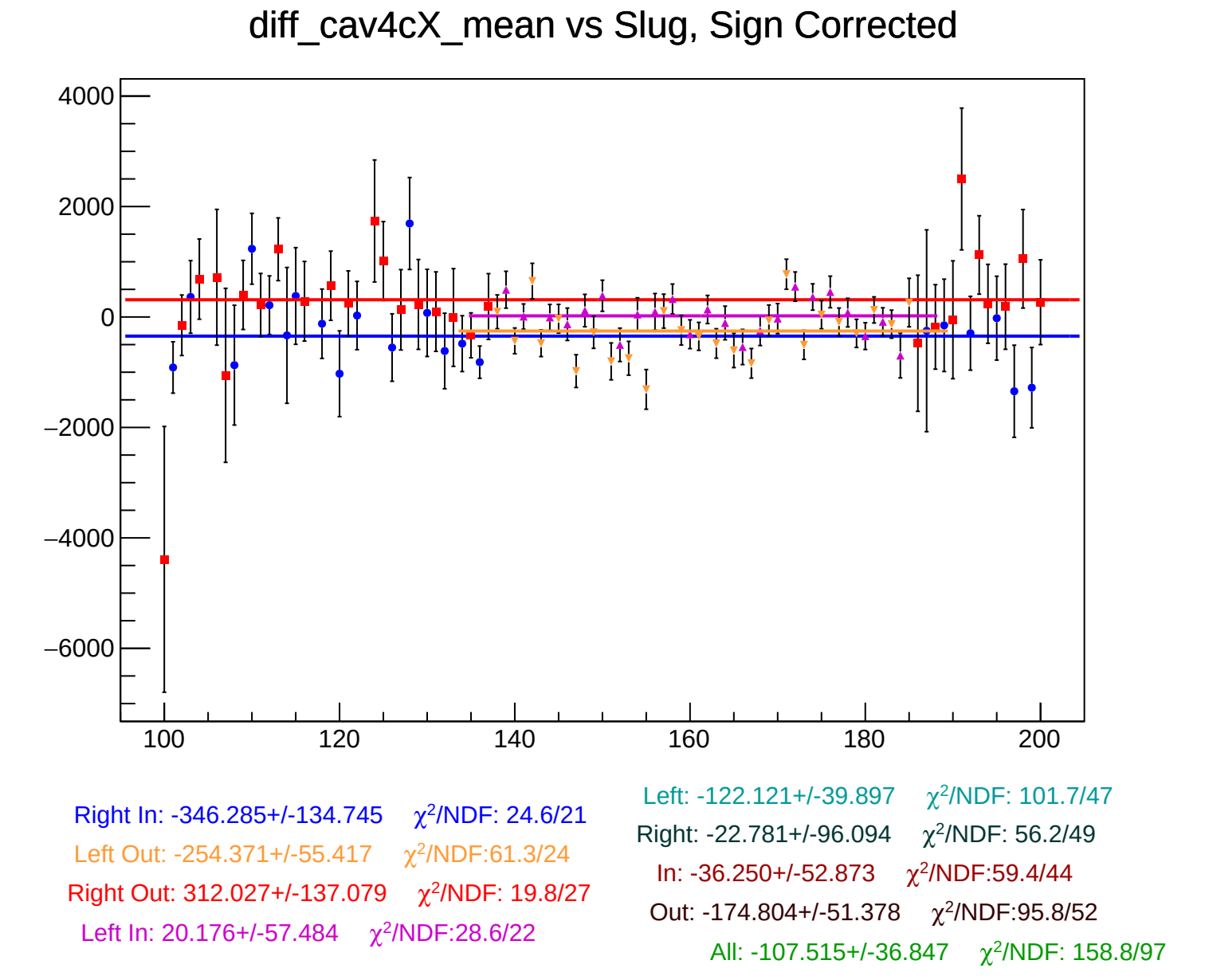
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

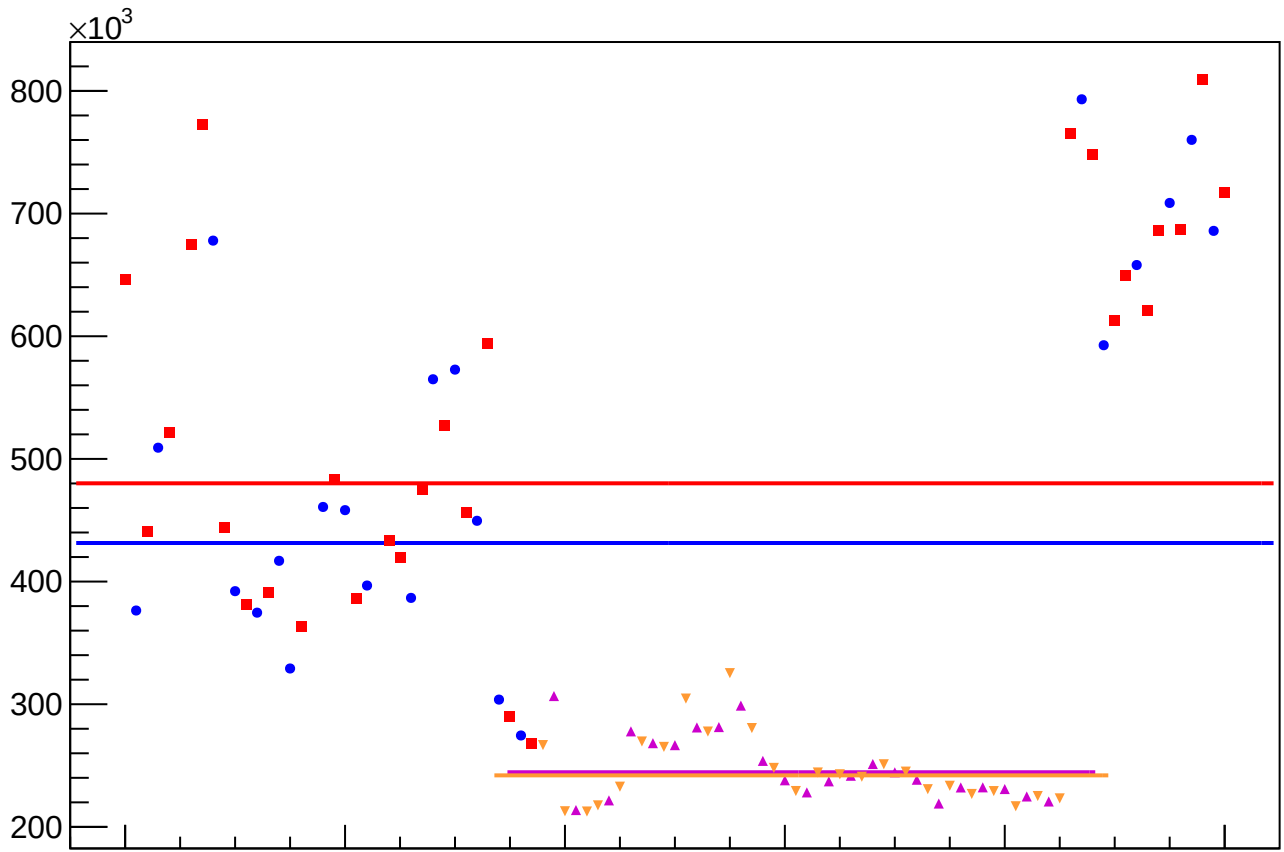
Right: 390.583+/-0.167 χ^2/NDF: 41045236.8/46

In: 398.072+/-0.245 χ^2/NDF:55247502.5/43

Out: 395.458+/-0.229 χ^2/NDF:60487171.0/50

All: 396.674+/-0.167 χ^2/NDF: 115734734.2/9


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -346.285+/-134.745 χ²/NDF: 24.6/21
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 312.027+/-137.079 χ²/NDF: 19.8/27
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -22.781+/-96.094 χ²/NDF: 56.2/49
In: -36.250+/-52.873 χ²/NDF:59.4/44
Out: -174.804+/-51.378 χ²/NDF:95.8/52
All: -107.515+/-36.847 χ²/NDF: 158.8/97



Right In: 431442.981+/-95.301 χ^2/NDF: 2264579.3/21

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

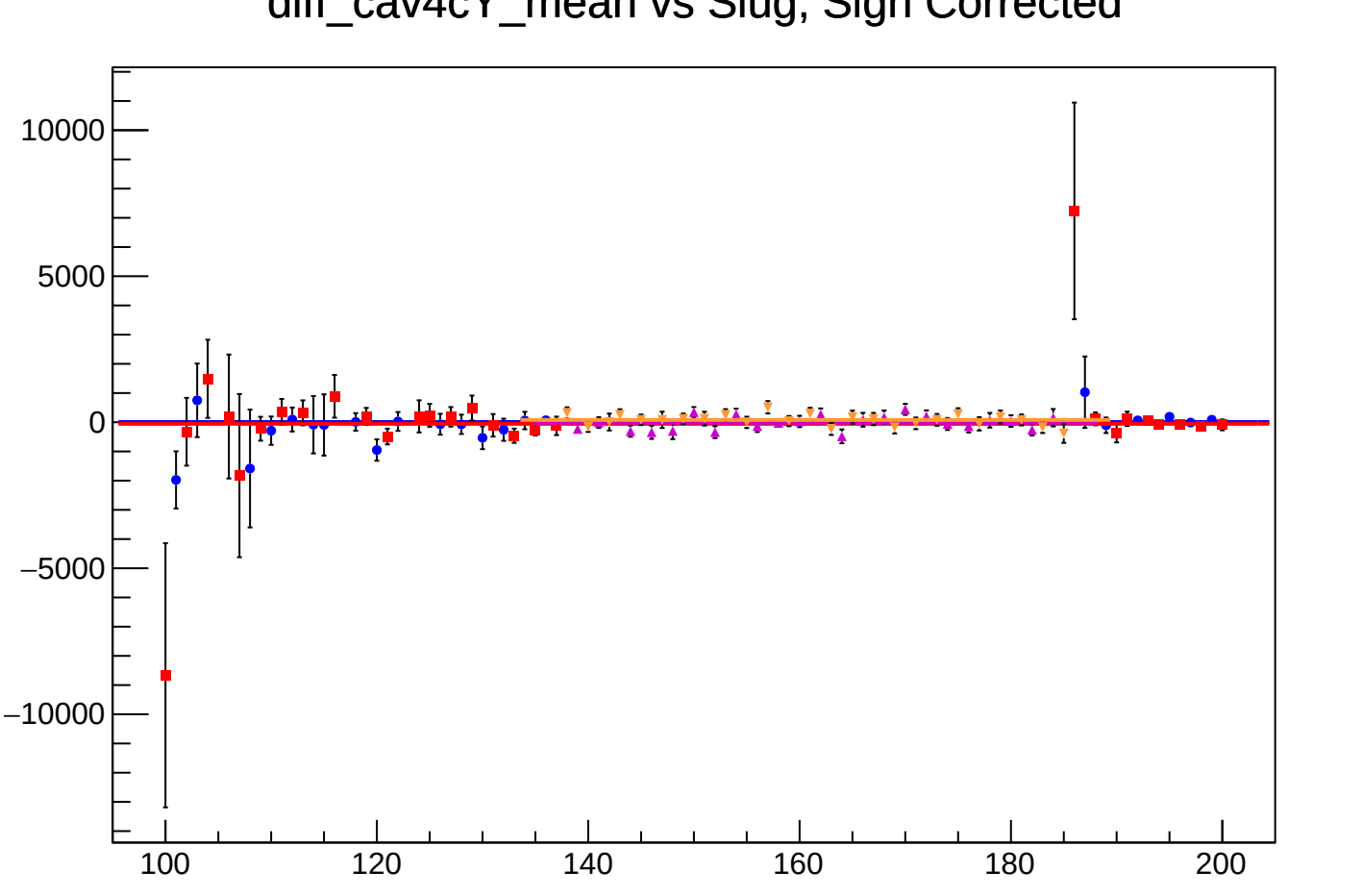
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 455328.476+/-68.002 χ^2/NDF: 4756854.2/49

In: 273309.353+/-37.388 χ^2/NDF:5880259.8/44

Out: 275377.504+/-36.337 χ^2/NDF:7951563.0/52

All: 274372.932+/-26.058 χ^2/NDF: 1383396



Right In: 6.467+/-53.931 χ^2/NDF: 17.9/21

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

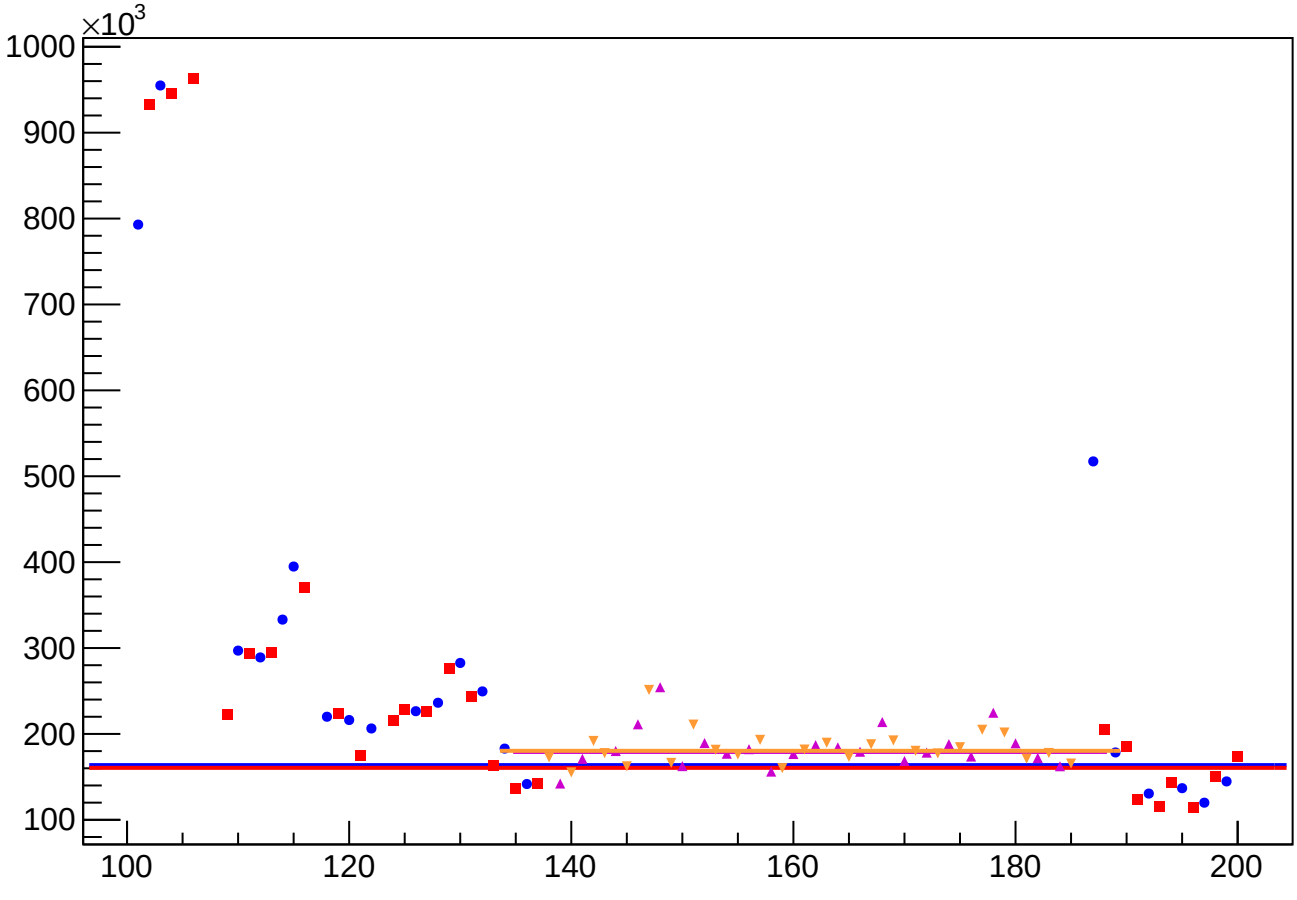
Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

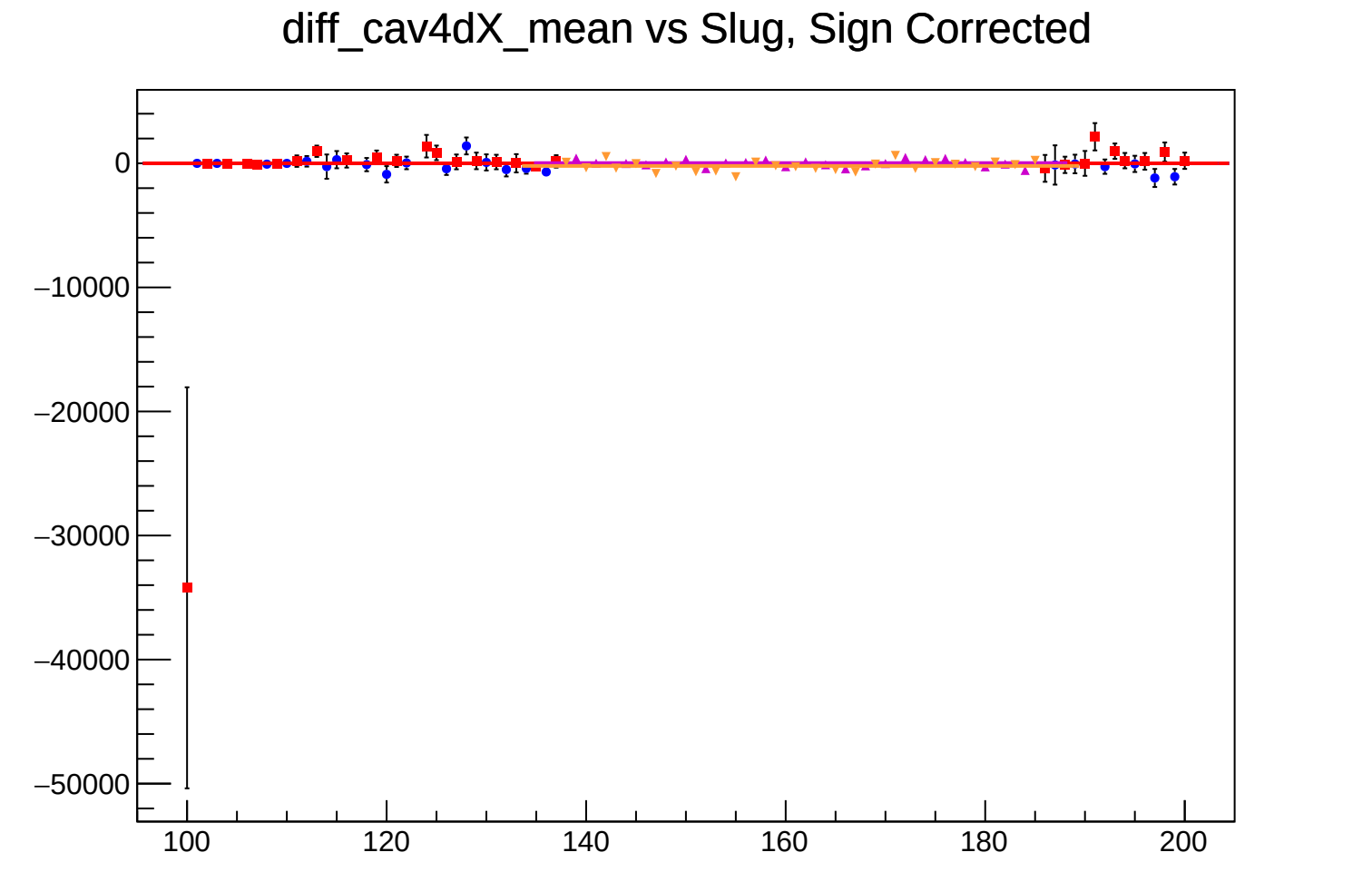
Right: -25.794+/-36.498 χ^2/NDF: 44.5/49

In: -6.240+/-33.251 χ^2/NDF:51.2/44

Out: 25.191+/-31.732 χ^2/NDF:49.9/52

All: 10.210+/-22.956 χ^2/NDF: 101.5/97


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: 163711.791+/-38.160 χ²/NDF: 3115182.7/20
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: 161980.192+/-25.828 χ²/NDF: 6352258.5/45
In: 173208.214+/-23.518 χ²/NDF:3716442.5/43
Out: 172228.602+/-22.446 χ²/NDF:3768503.7/49
All: 172695.577+/-16.237 χ²/NDF: 7485854.



Right In: -0.035+/-0.172 χ^2/NDF: 23.9/21

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

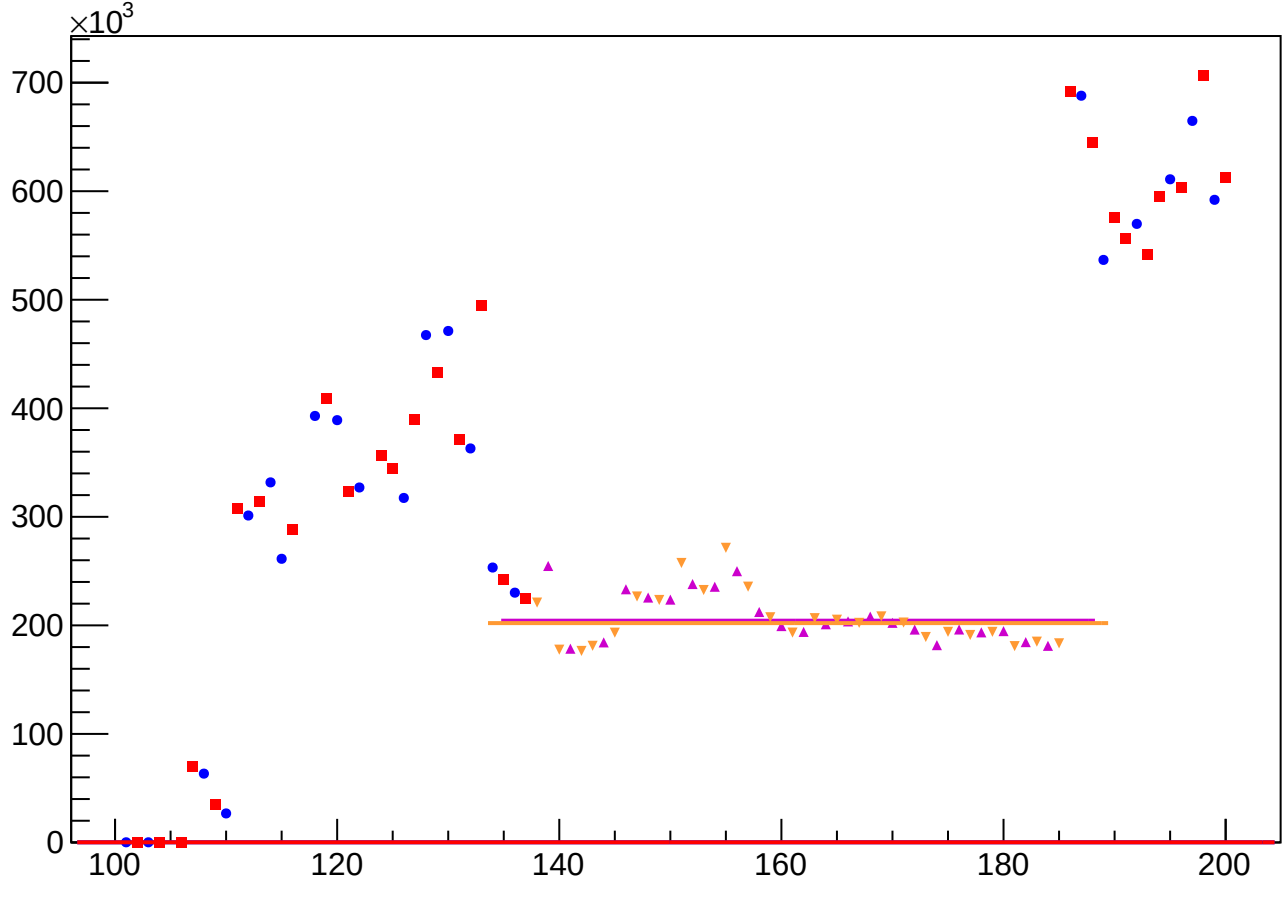
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 51.3/49

In: -0.035+/-0.172 χ^2/NDF:52.7/44

Out: 0.353+/-0.160 χ^2/NDF:106.5/52

All: 0.173+/-0.117 χ^2/NDF: 161.9/97



Right In: 149.303+/-0.122 χ^2/NDF: 19824487.0/21

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

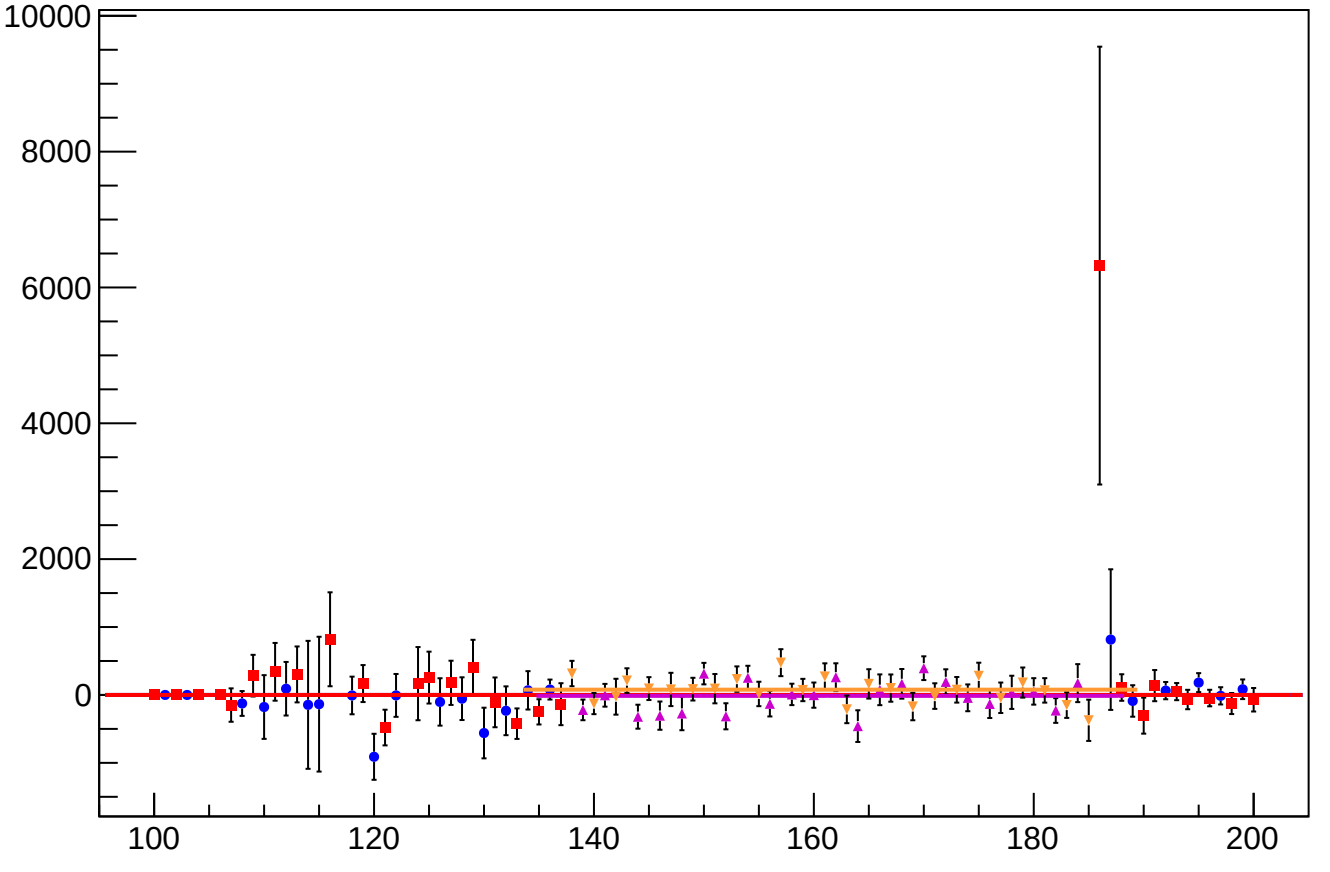
Right: 149.481+/-0.083 χ^2/NDF: 43419067.8/48

In: 151.928+/-0.122 χ^2/NDF:56327232.3/44

Out: 152.052+/-0.113 χ^2/NDF:62090317.2/51

All: 151.995+/-0.083 χ^2/NDF: 118417550.0/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 14.3/21

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

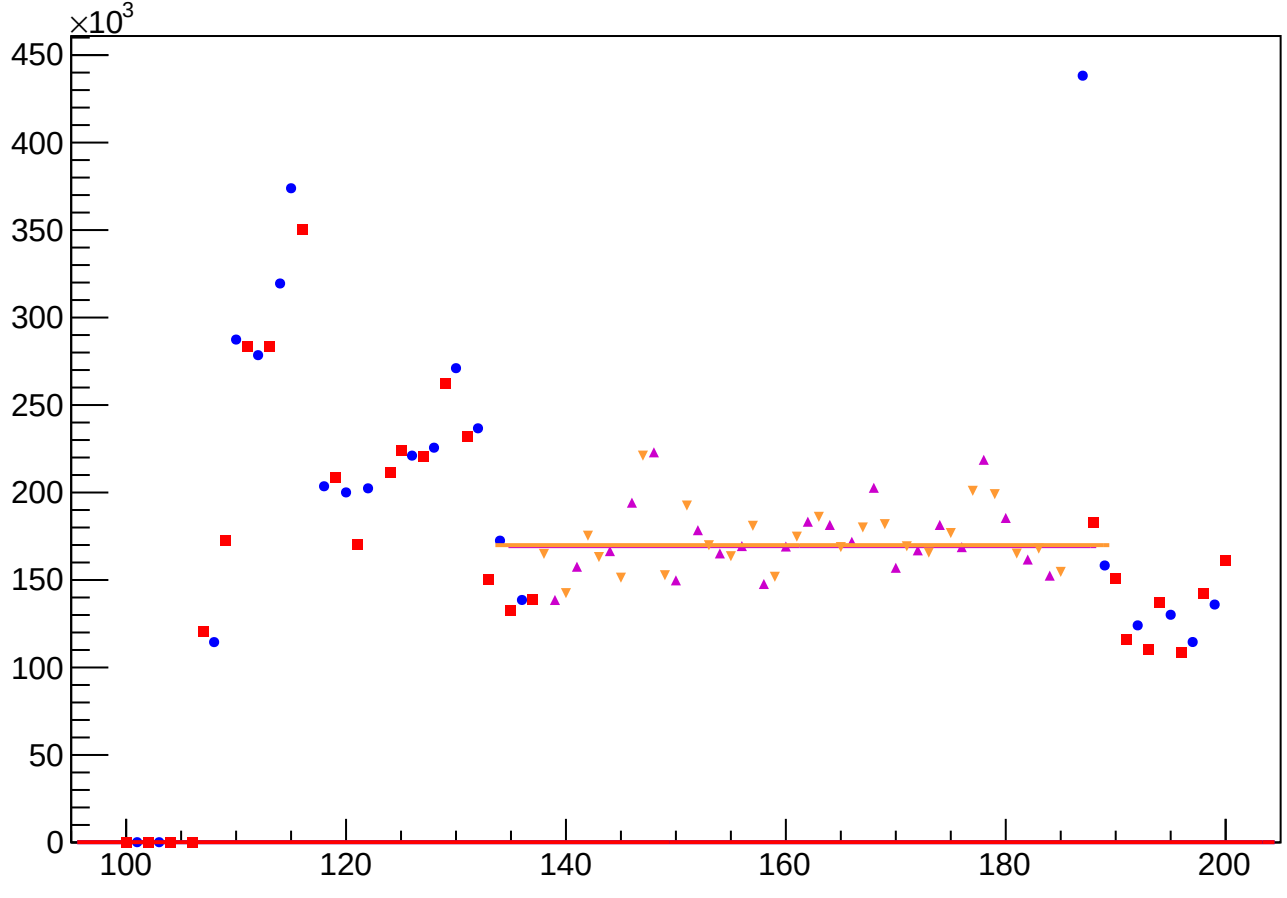
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 36.7/49

In: -0.068+/-0.177 χ^2/NDF:47.0/44

Out: -0.125+/-0.166 χ^2/NDF:45.5/52

All: -0.098+/-0.121 χ^2/NDF: 92.6/97



Right In: 154.441+/-0.125 χ^2/NDF: 20203983.9/21

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.305+/-0.118 χ^2/NDF: 22603909.4/26

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

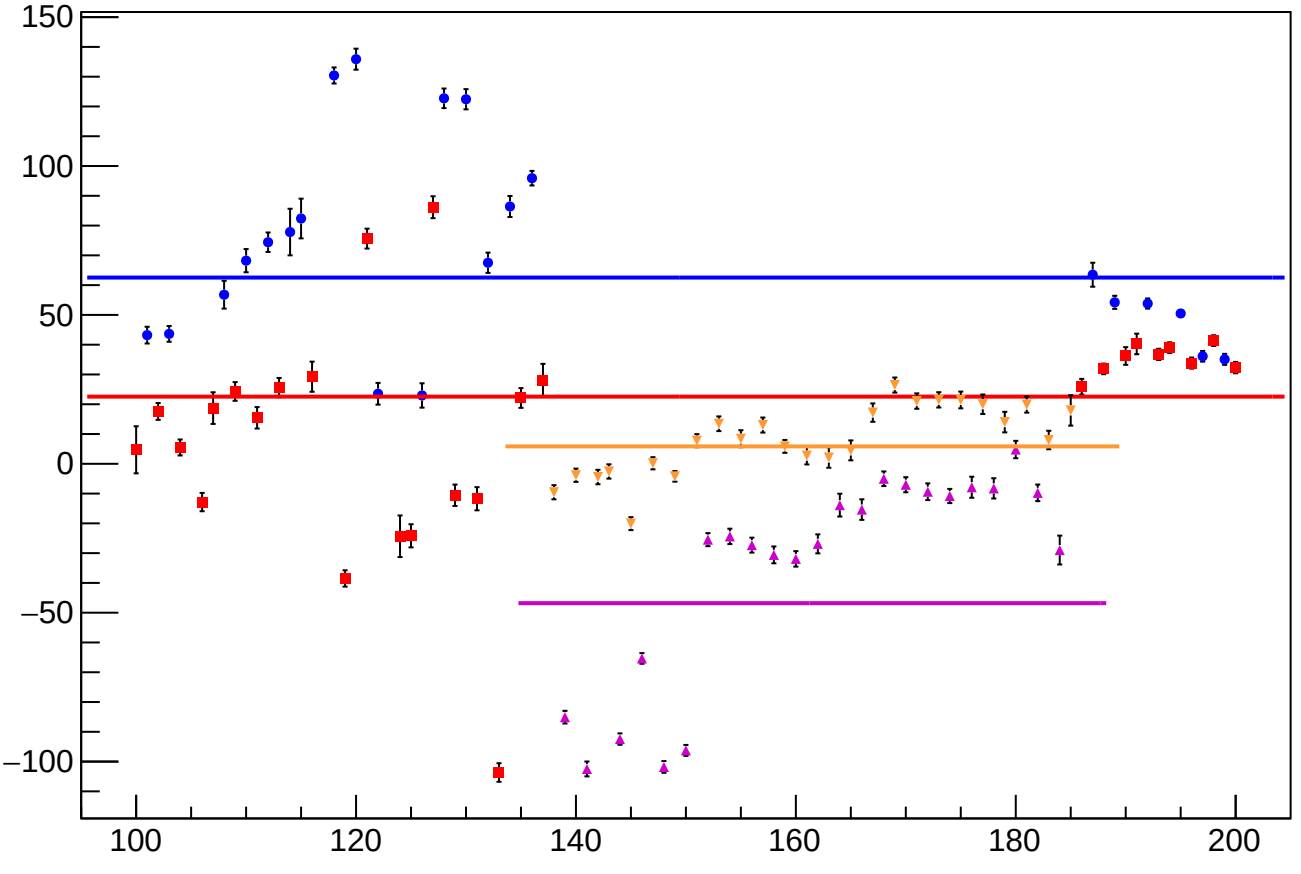
Right: 155.963+/-0.086 χ^2/NDF: 42808170.7/48

In: 157.775+/-0.125 χ^2/NDF:56589643.4/44

Out: 160.411+/-0.118 χ^2/NDF:61014407.4/51

All: 159.175+/-0.086 χ^2/NDF: 117604286.0/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 62.542+/-0.580 χ^2/NDF: 2812.7/21

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

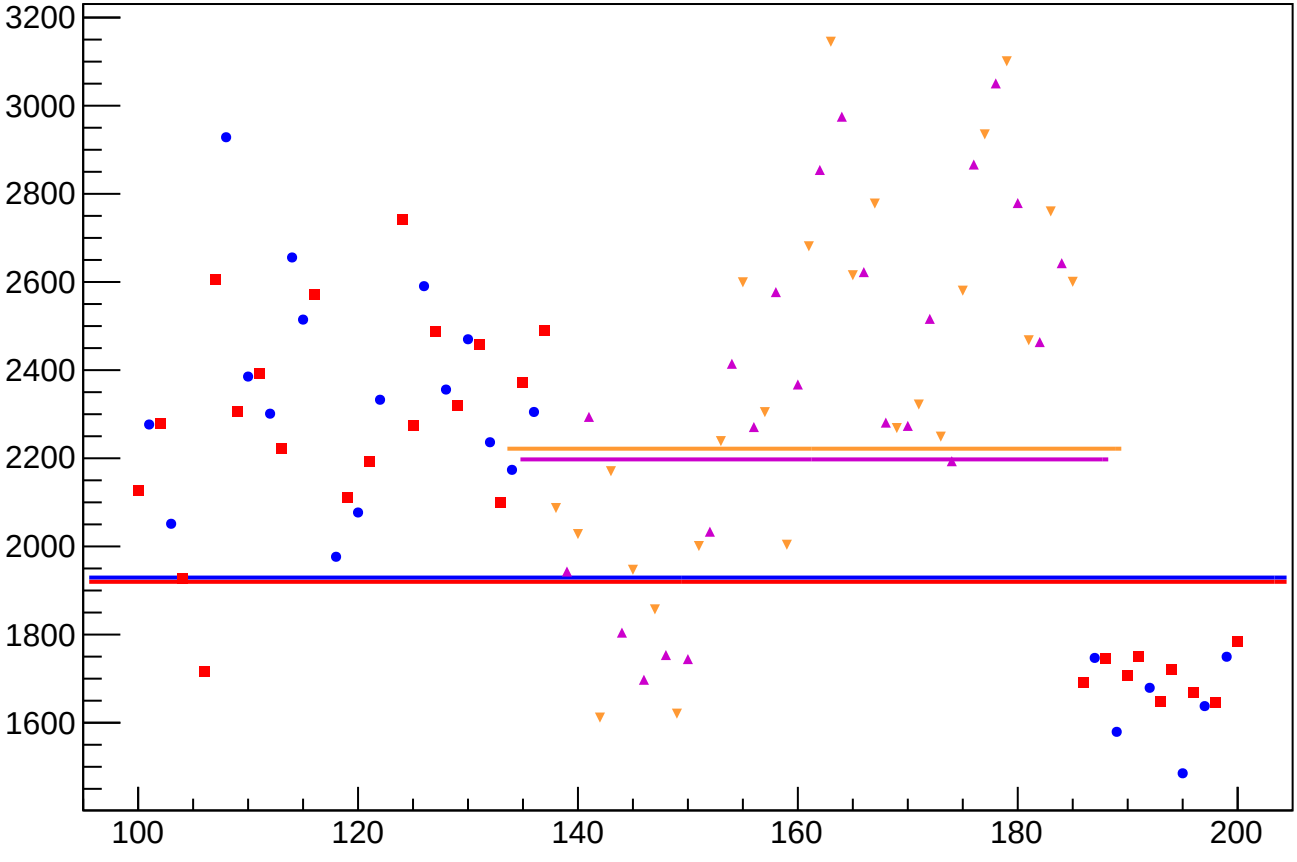
Right: 40.610+/-0.390 χ^2/NDF: 9029.1/49

In: 2.371+/-0.389 χ^2/NDF:27530.9/44

Out: 14.005+/-0.368 χ^2/NDF:4662.2/52

All: 8.516+/-0.267 χ^2/NDF: 32665.4/97

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1929.357+/-0.410 χ^2/NDF: 770042.3/21

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

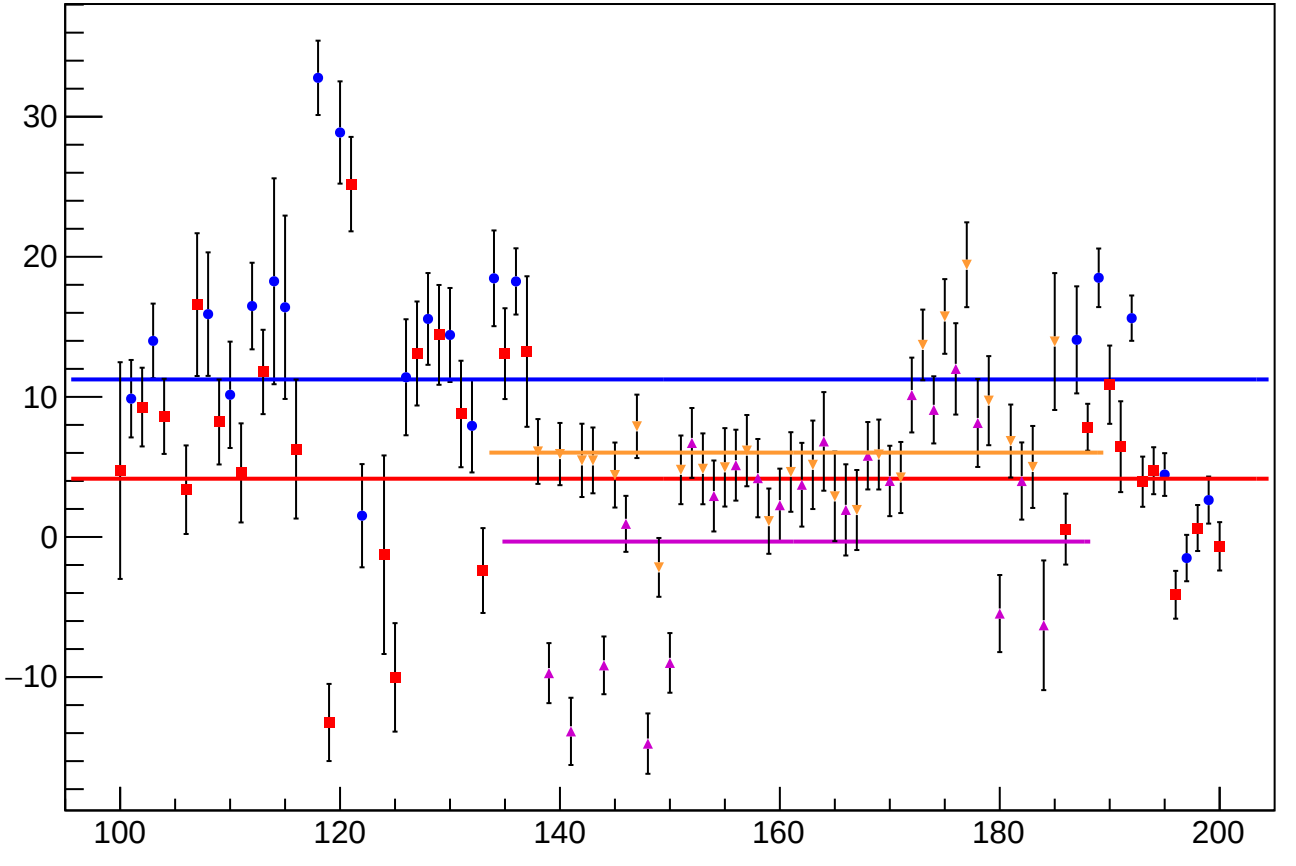
Right: 1924.072+/-0.276 χ^2/NDF: 1413920.9/49

In: 2076.906+/-0.275 χ^2/NDF:2109728.5/44

Out: 2074.352+/-0.260 χ^2/NDF:2164725.3/52

All: 2075.557+/-0.189 χ^2/NDF: 4274499.3/97

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 11.246+/-0.554 χ^2/NDF: 245.2/21

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

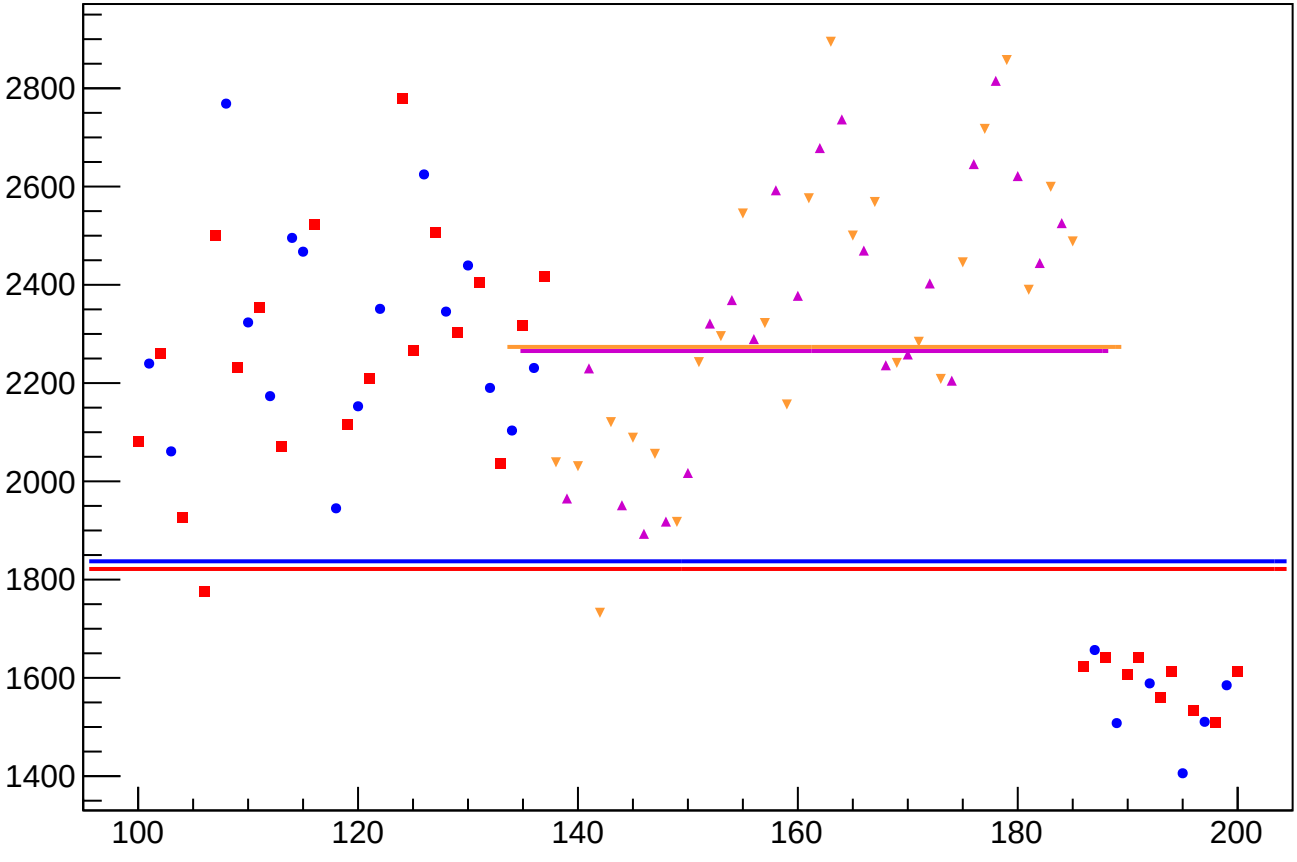
Right: 7.347+/-0.372 χ^2/NDF: 528.4/49

In: 5.248+/-0.385 χ^2/NDF:696.0/44

Out: 5.055+/-0.361 χ^2/NDF:271.7/52

All: 5.146+/-0.263 χ^2/NDF: 967.8/97

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1837.258+/-0.392 χ^2/NDF: 953164.2/21

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

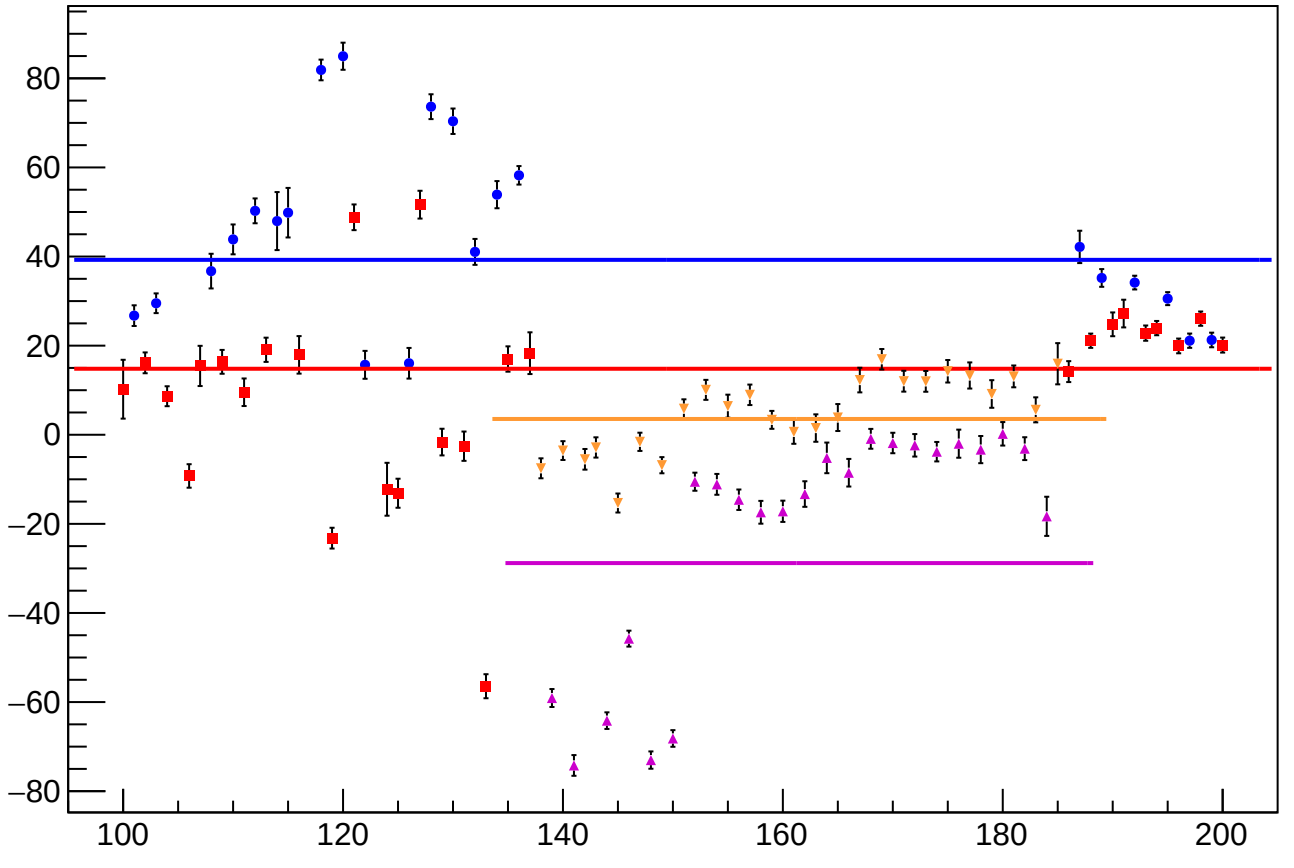
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1828.673+/-0.263 χ^2/NDF: 1810488.4/49

In: 2059.034+/-0.272 χ^2/NDF:2066699.8/44

Out: 2038.959+/-0.255 χ^2/NDF:2175228.4/52

All: 2048.360+/-0.186 χ^2/NDF: 4244822.3/97



Right In: 39.258+/-0.507 χ^2/NDF: 1413.8/21

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

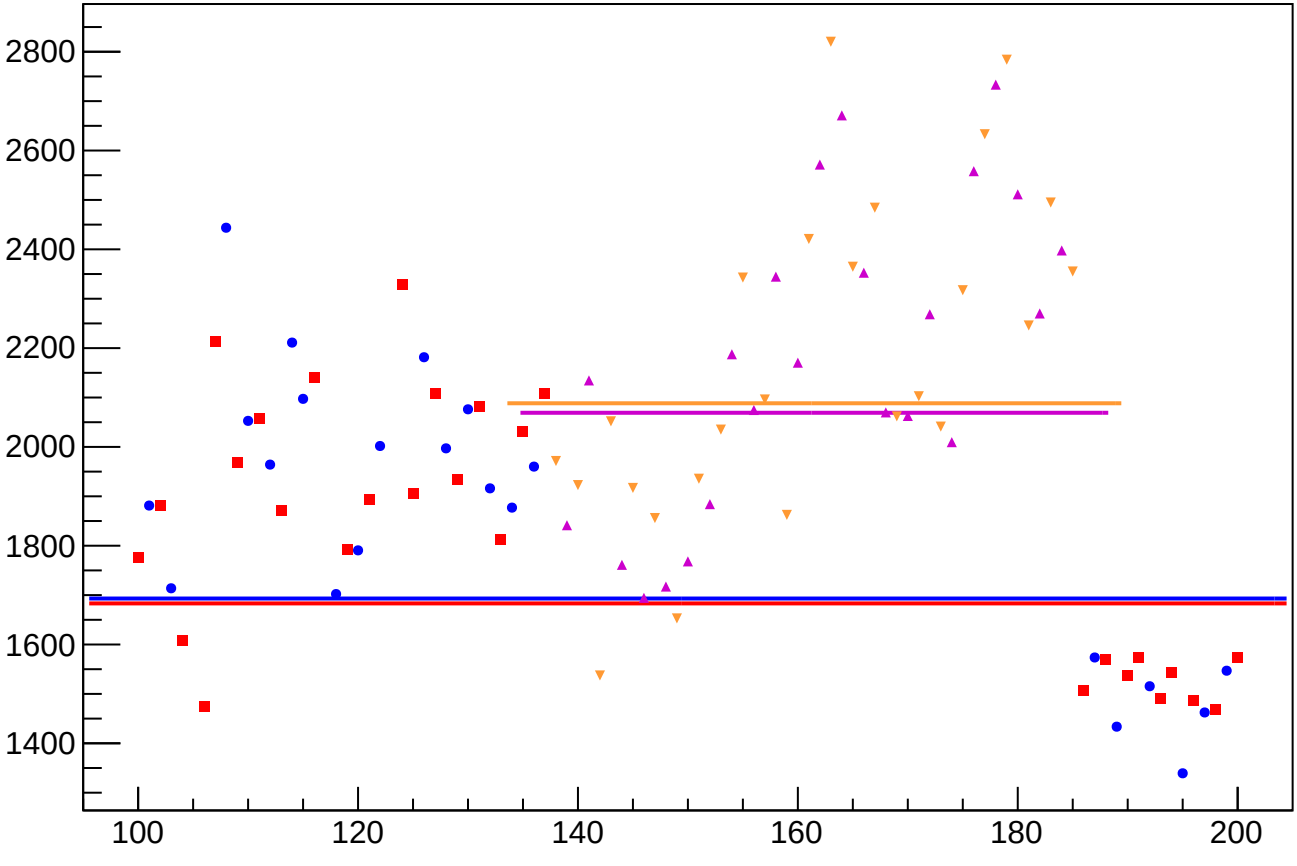
Right: 25.859+/-0.340 χ^2/NDF: 4352.8/49

In: 4.160+/-0.352 χ^2/NDF:13988.2/44

Out: 9.423+/-0.332 χ^2/NDF:2269.3/52

All: 6.948+/-0.242 χ^2/NDF: 16375.6/97

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1693.080+/-0.358 χ^2/NDF: 564446.6/21

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

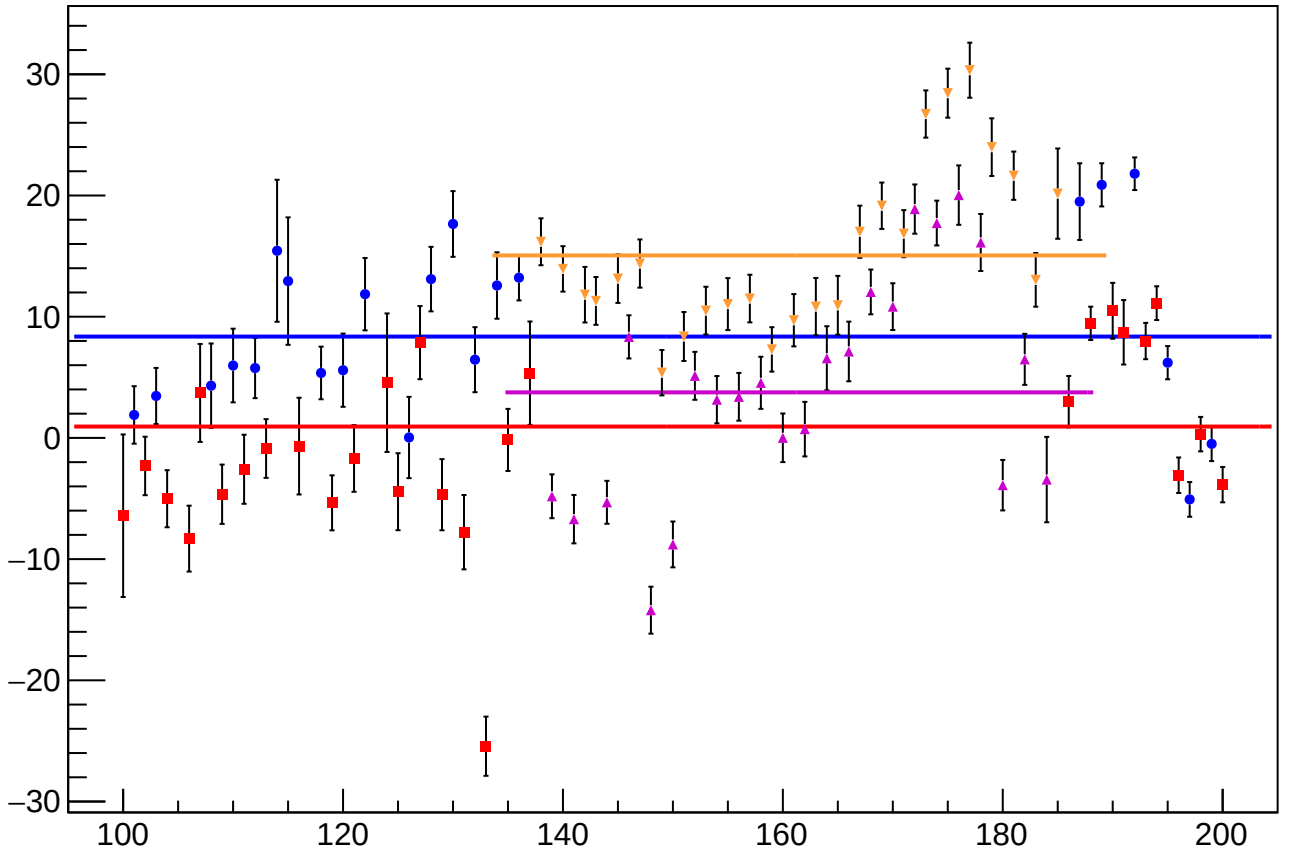
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1687.665+/-0.241 χ^2/NDF: 1030118.9/49

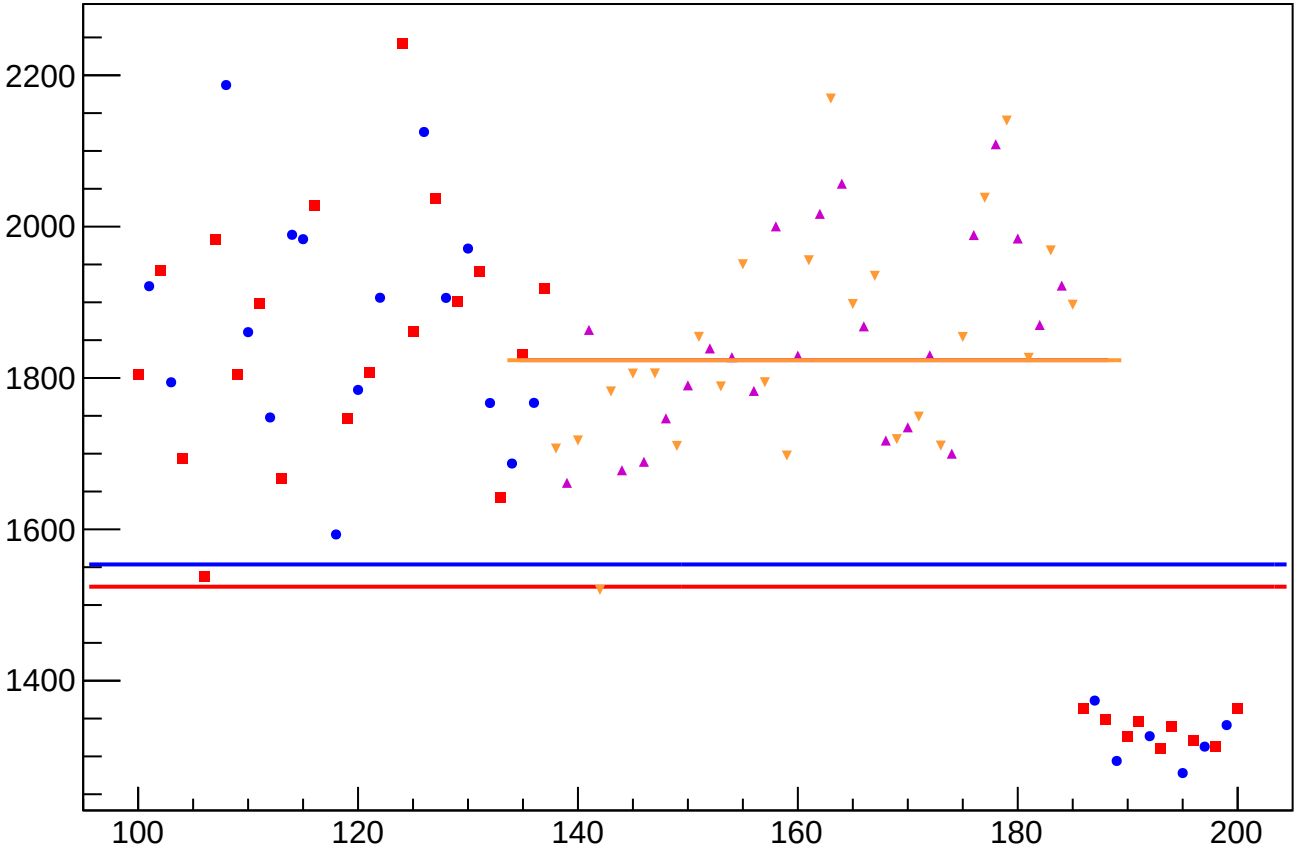
In: 1886.995+/-0.249 χ^2/NDF:1844419.5/44

Out: 1876.987+/-0.235 χ^2/NDF:1995196.0/52

All: 1881.694+/-0.171 χ^2/NDF: 3840469.4/97


diff_bpm0i01aY_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 8.360+/-0.465 χ²/NDF: 342.6/21
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: 4.250+/-0.311 χ²/NDF: 818.6/49
In: 5.867+/-0.315 χ²/NDF:854.7/44
Out: 8.030+/-0.295 χ²/NDF:1155.3/52
All: 7.020+/-0.215 χ²/NDF: 2035.2/97

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1553.641+/-0.329 χ^2/NDF: 704946.2/21

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

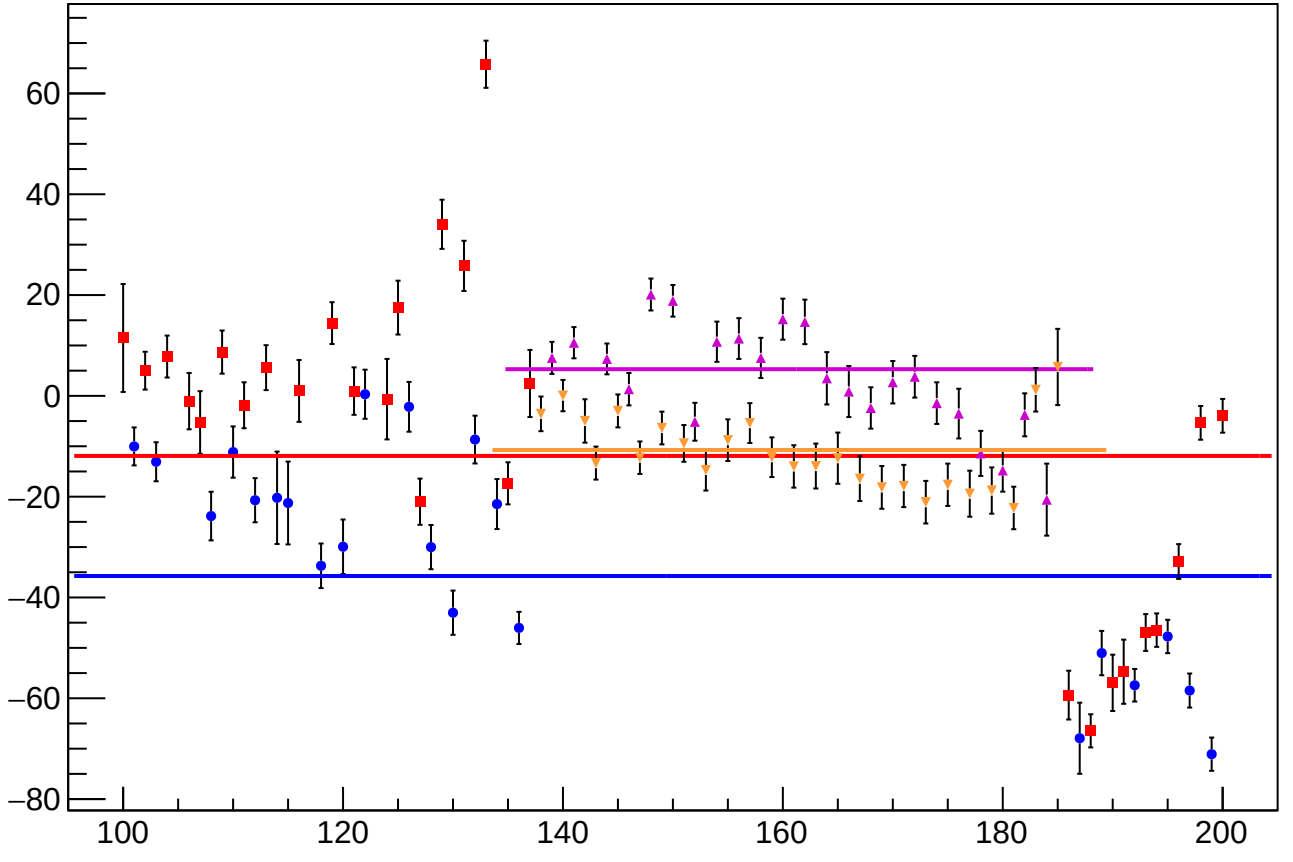
Right: 1537.362+/-0.220 χ^2/NDF: 1431772.1/49

In: 1699.893+/-0.223 χ^2/NDF:1233750.8/44

Out: 1674.555+/-0.208 χ^2/NDF:1449336.2/52

All: 1686.384+/-0.152 χ^2/NDF: 2689992.0/97

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -35.741+/-0.916 χ^2/NDF: 537.4/21

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

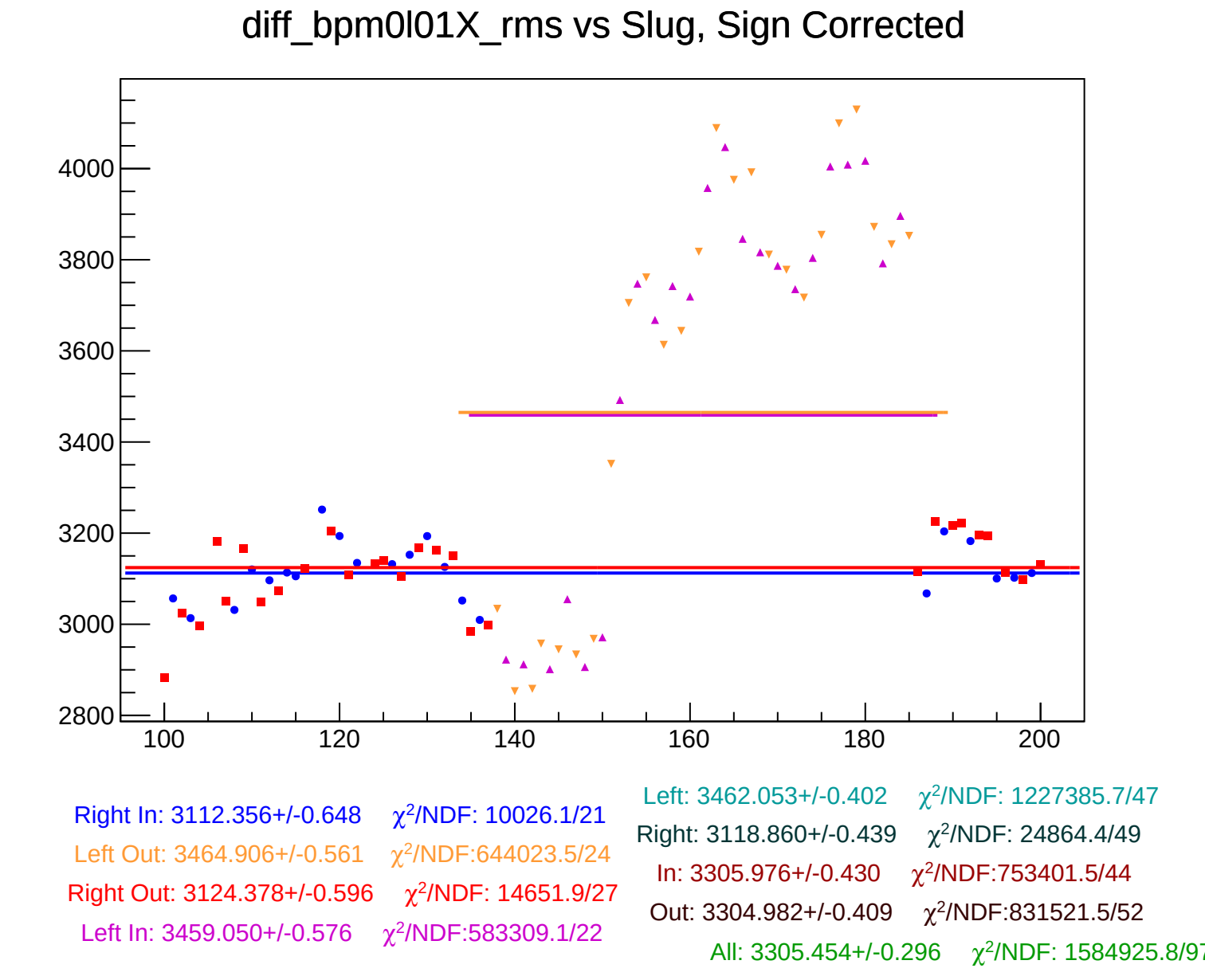
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -22.850+/-0.620 χ^2/NDF: 2245.2/49

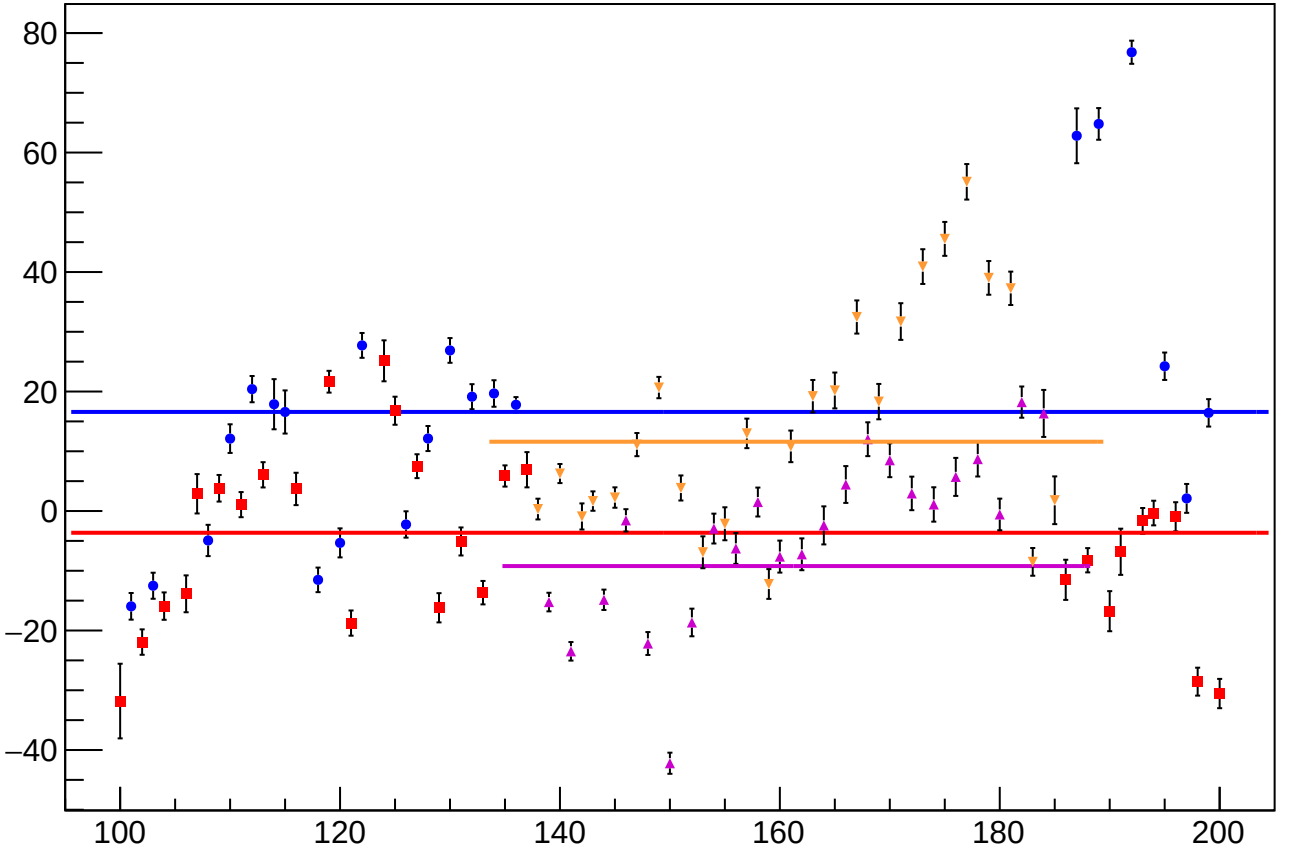
In: -12.826+/-0.609 χ^2/NDF:1792.0/44

Out: -11.287+/-0.578 χ^2/NDF:1416.4/52

All: -12.017+/-0.419 χ^2/NDF: 3211.8/97


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
Right In: 3112.356+/-0.648 χ²/NDF: 10026.1/21
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3124.378+/-0.596 χ²/NDF: 14651.9/27
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3118.860+/-0.439 χ²/NDF: 24864.4/49
In: 3305.976+/-0.430 χ²/NDF:753401.5/44
Out: 3304.982+/-0.409 χ²/NDF:831521.5/52
All: 3305.454+/-0.296 χ²/NDF: 1584925.8/97

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.587+/-0.476 χ^2/NDF: 2313.1/21

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

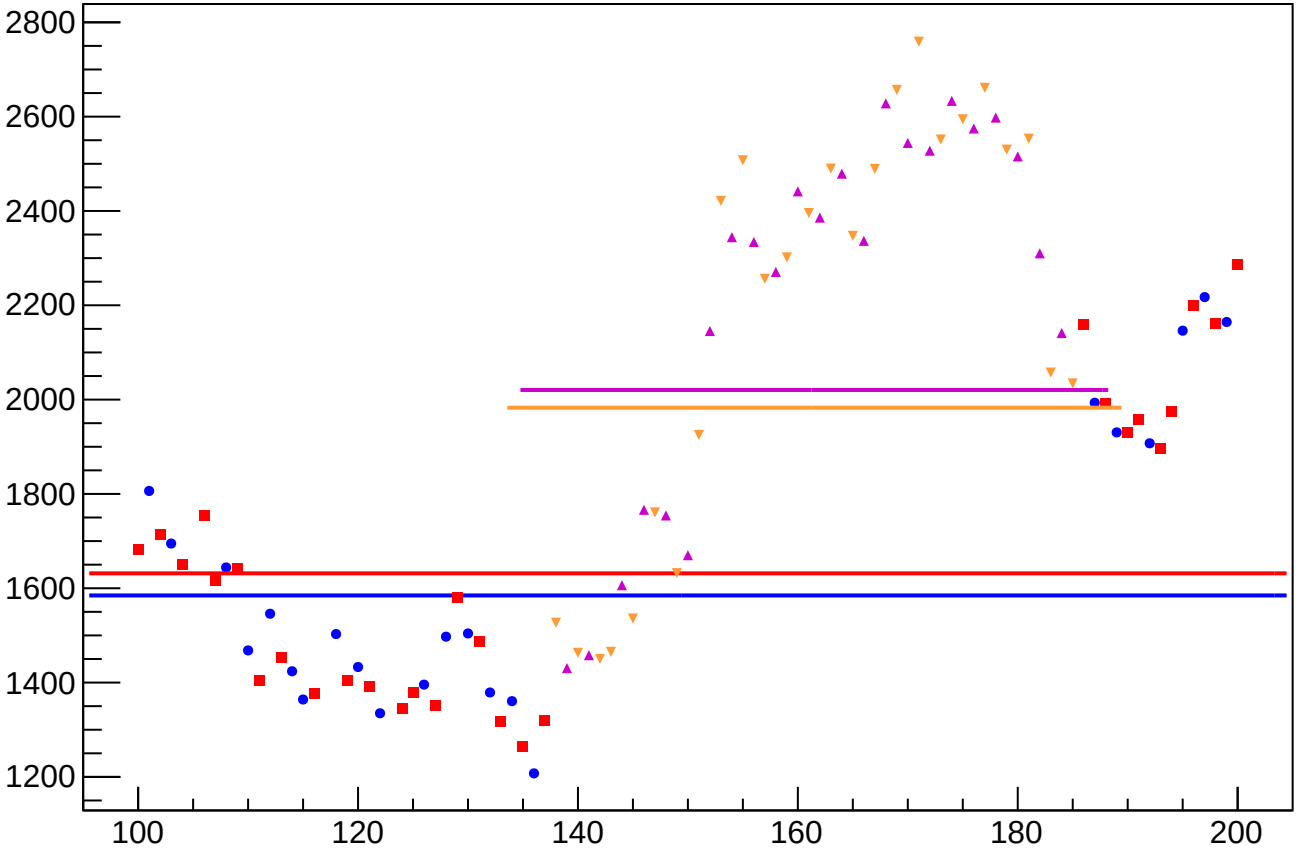
Right: 5.894+/-0.327 χ^2/NDF: 4232.1/49

In: 3.907+/-0.339 χ^2/NDF:4699.8/44

Out: 3.741+/-0.323 χ^2/NDF:2717.5/52

All: 3.820+/-0.234 χ^2/NDF: 7417.5/97

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1584.759+/-0.336 χ^2/NDF: 804945.5/21

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

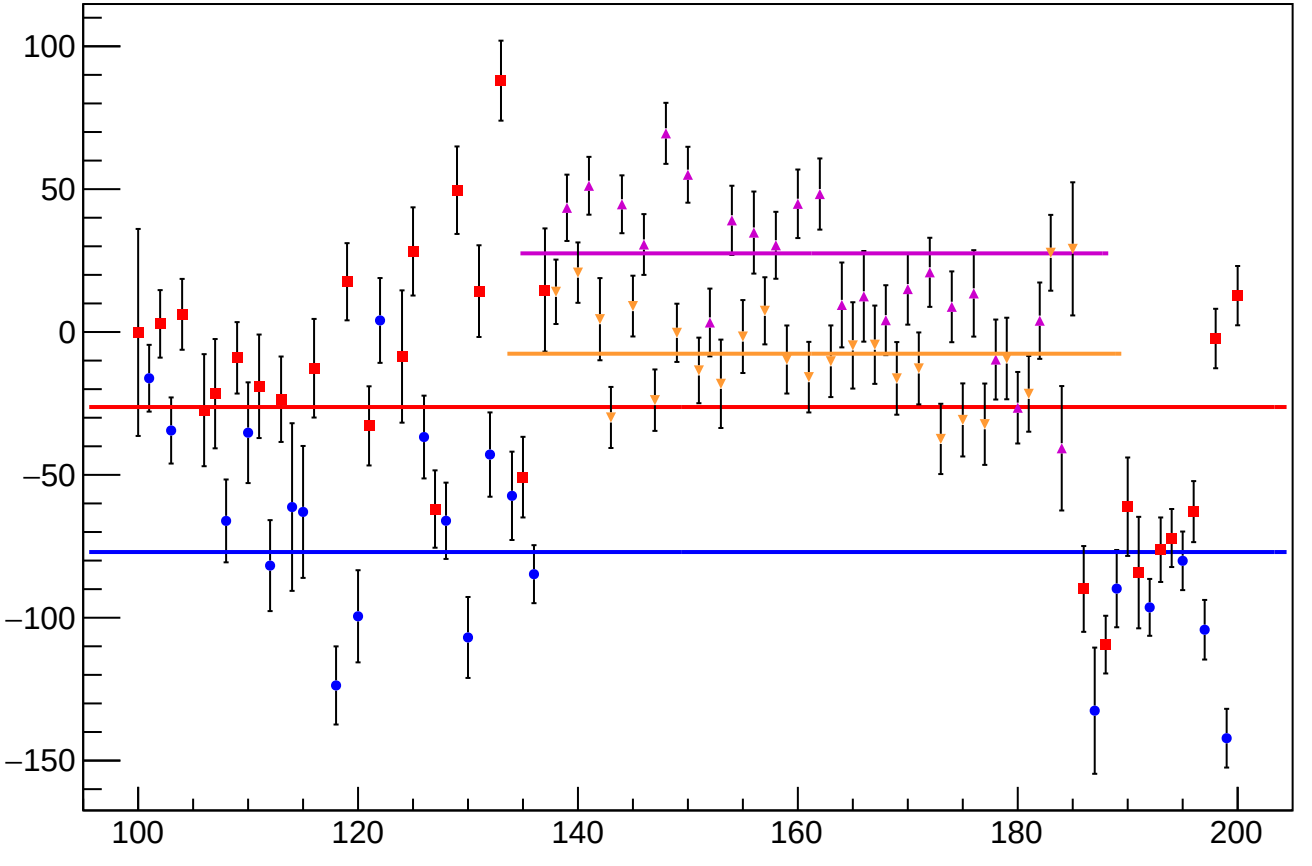
Right: 1609.539+/-0.231 χ^2/NDF: 1759804.2/49

In: 1798.897+/-0.240 χ^2/NDF:3244515.4/44

Out: 1801.741+/-0.228 χ^2/NDF:3514751.6/52

All: 1800.390+/-0.165 χ^2/NDF: 6759340.8/97

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -77.008+/-2.850 χ^2/NDF: 169.4/21

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

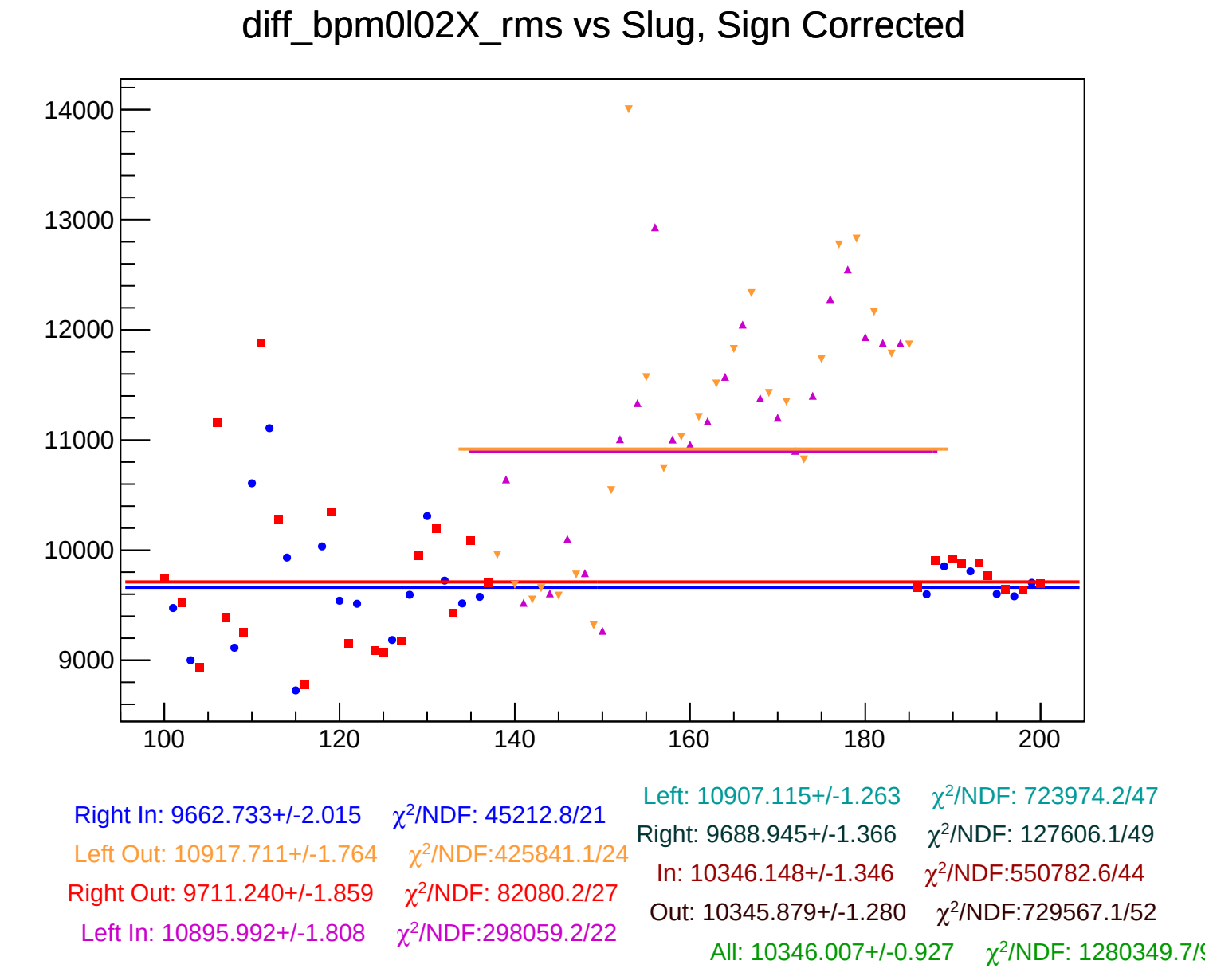
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -49.582+/-1.932 χ^2/NDF: 661.7/49

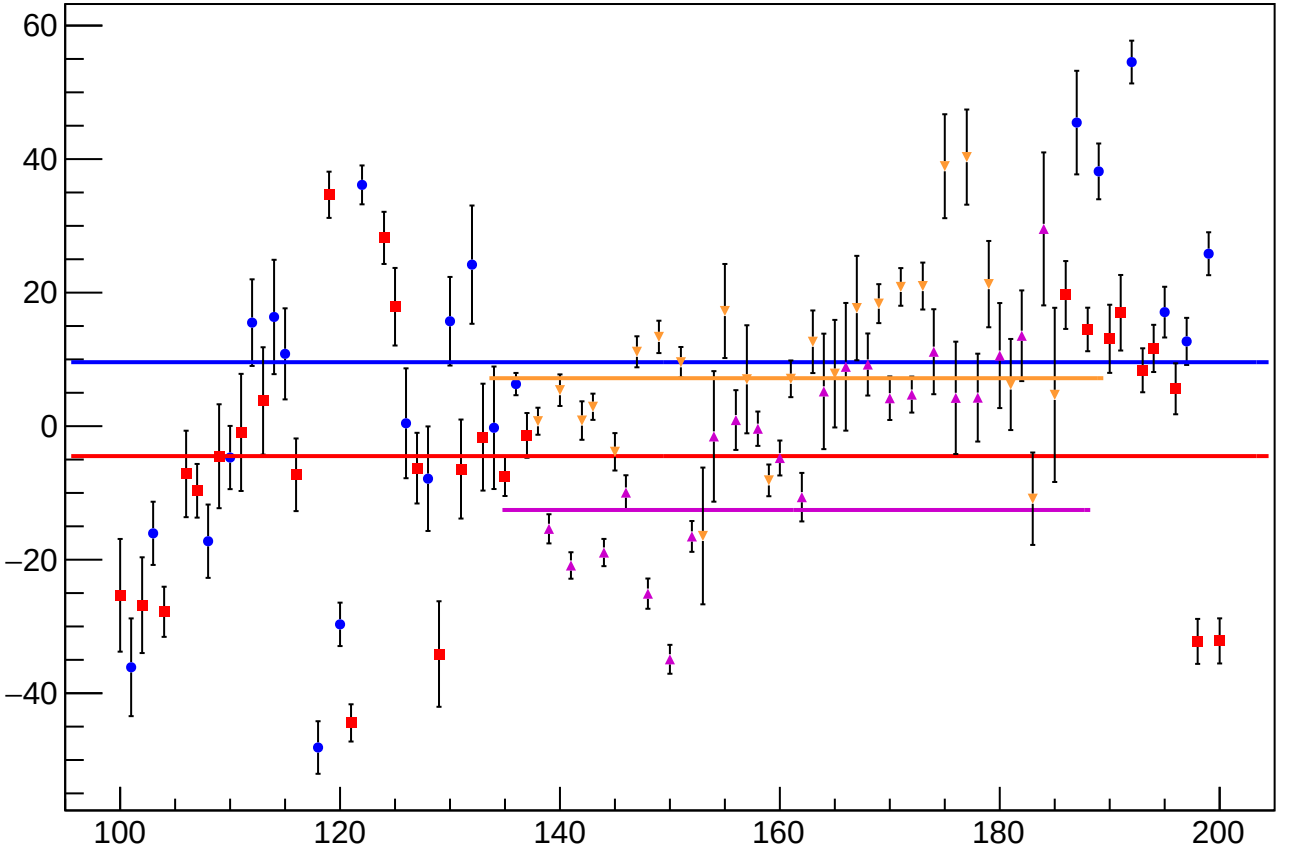
In: -19.079+/-1.903 χ^2/NDF:1007.9/44

Out: -16.439+/-1.810 χ^2/NDF:395.4/52

All: -17.693+/-1.311 χ^2/NDF: 1404.3/97


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
120
140
160
180
200
Right In: 9662.733+/-2.015 χ²/NDF: 45212.8/21
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9711.240+/-1.859 χ²/NDF: 82080.2/27
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9688.945+/-1.366 χ²/NDF: 127606.1/49
In: 10346.148+/-1.346 χ²/NDF:550782.6/44
Out: 10345.879+/-1.280 χ²/NDF:729567.1/52
All: 10346.007+/-0.927 χ²/NDF: 1280349.7/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 9.583+/-0.866 χ^2/NDF: 856.8/21

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

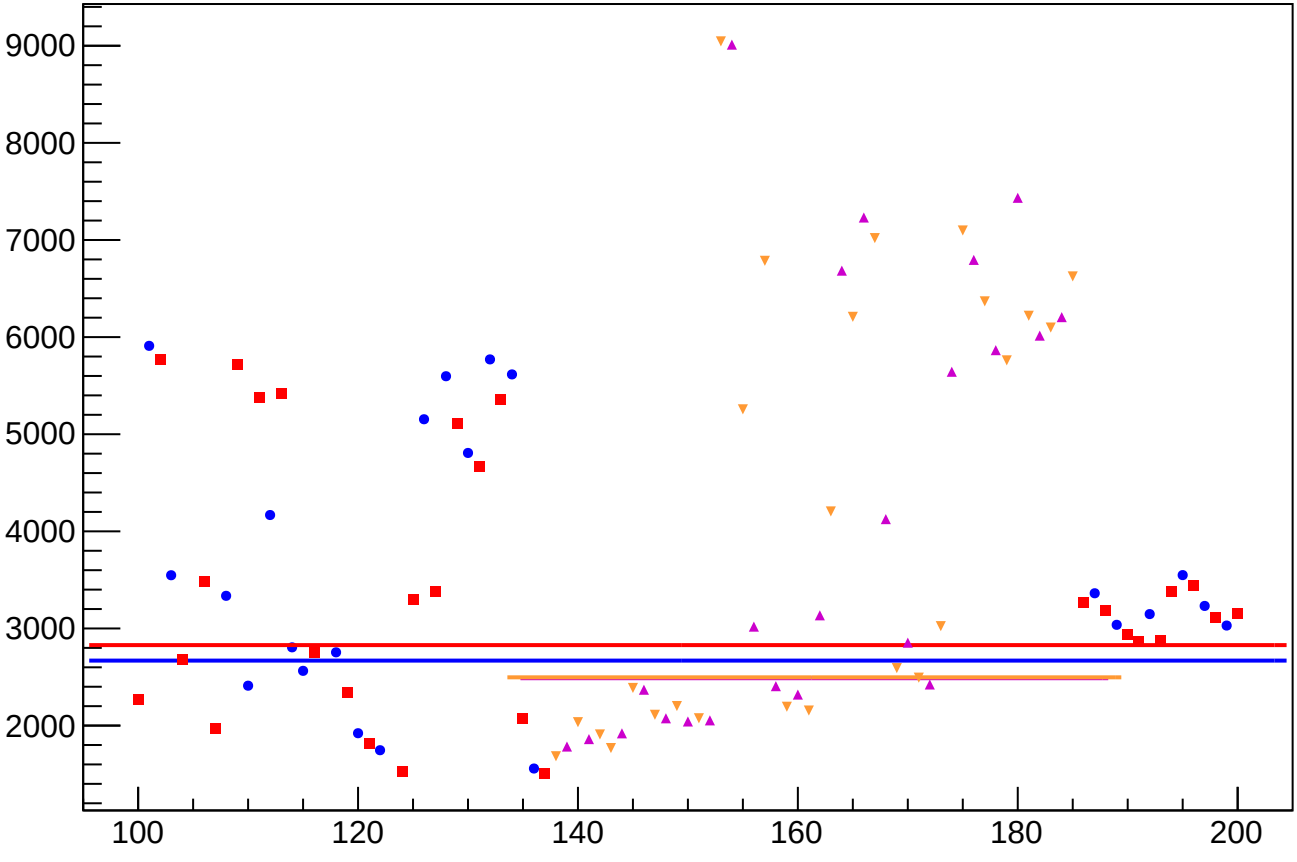
Right: 2.167+/-0.596 χ^2/NDF: 1748.6/49

In: -4.412+/-0.525 χ^2/NDF:1641.9/44

Out: 2.653+/-0.511 χ^2/NDF:1078.3/52

All: -0.784+/-0.366 χ^2/NDF: 2813.1/97

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2669.111+/-0.612 χ^2/NDF: 3181562.8/21

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

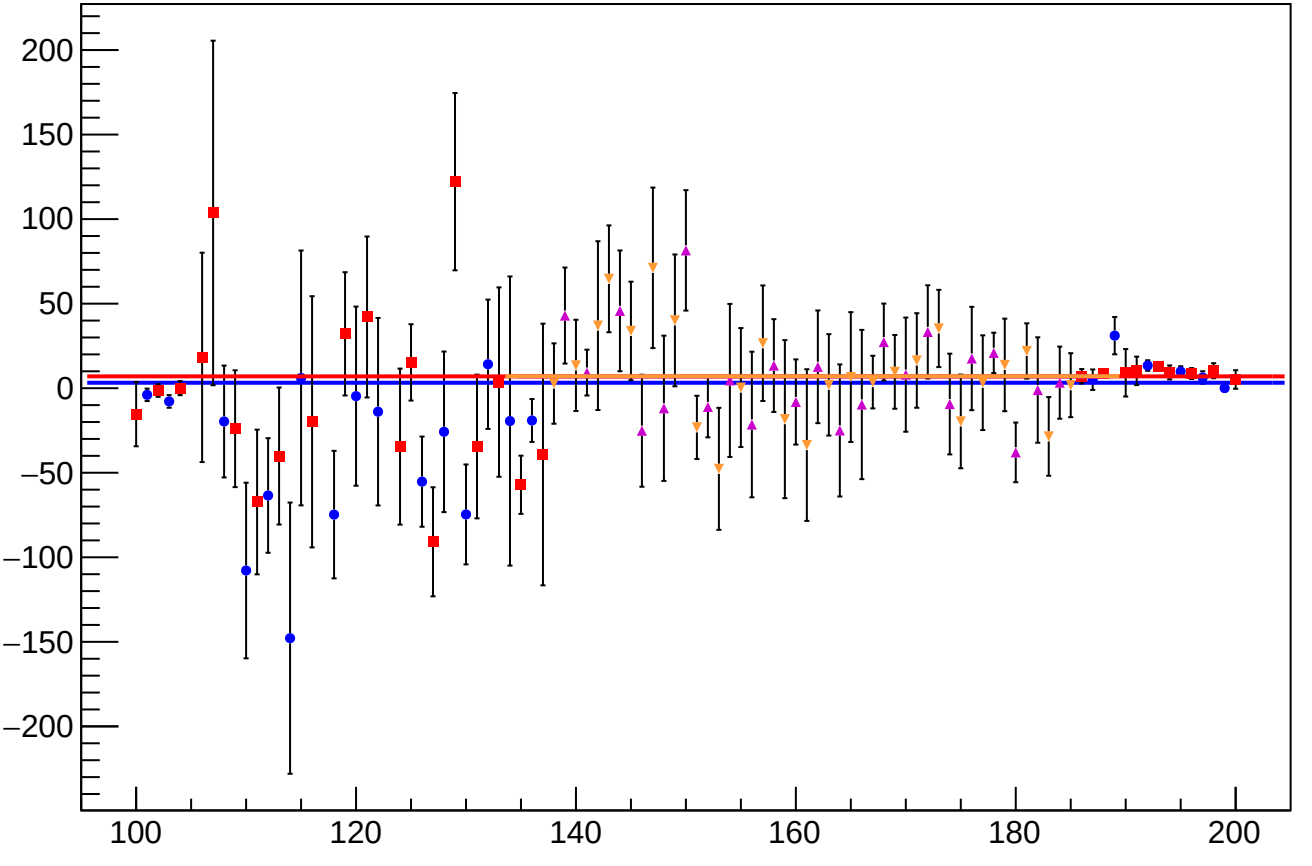
Right: 2753.227+/-0.421 χ^2/NDF: 5998048.9/49

In: 2554.425+/-0.371 χ^2/NDF:9340493.3/44

Out: 2625.705+/-0.361 χ^2/NDF:10186788.5/52

All: 2591.033+/-0.259 χ^2/NDF: 19546200.6/9

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 3.230+/-1.304 χ^2/NDF: 68.2/21

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

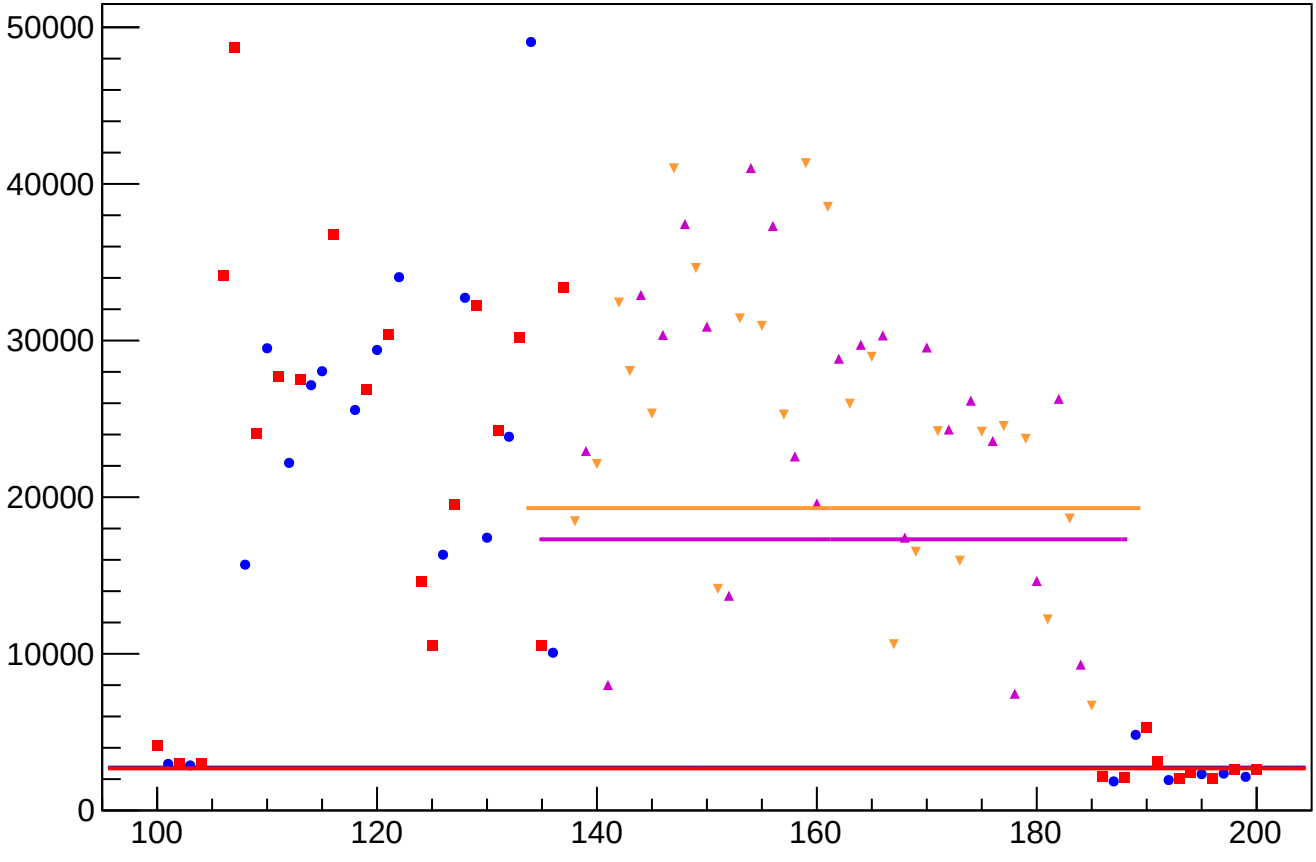
Right: 5.275+/-0.881 χ^2/NDF: 125.4/49

In: 3.459+/-1.263 χ^2/NDF:89.8/44

Out: 6.998+/-1.166 χ^2/NDF:72.2/52

All: 5.370+/-0.857 χ^2/NDF: 166.3/97

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2733.542+/-0.922 χ^2/NDF: 7855310.3/21

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

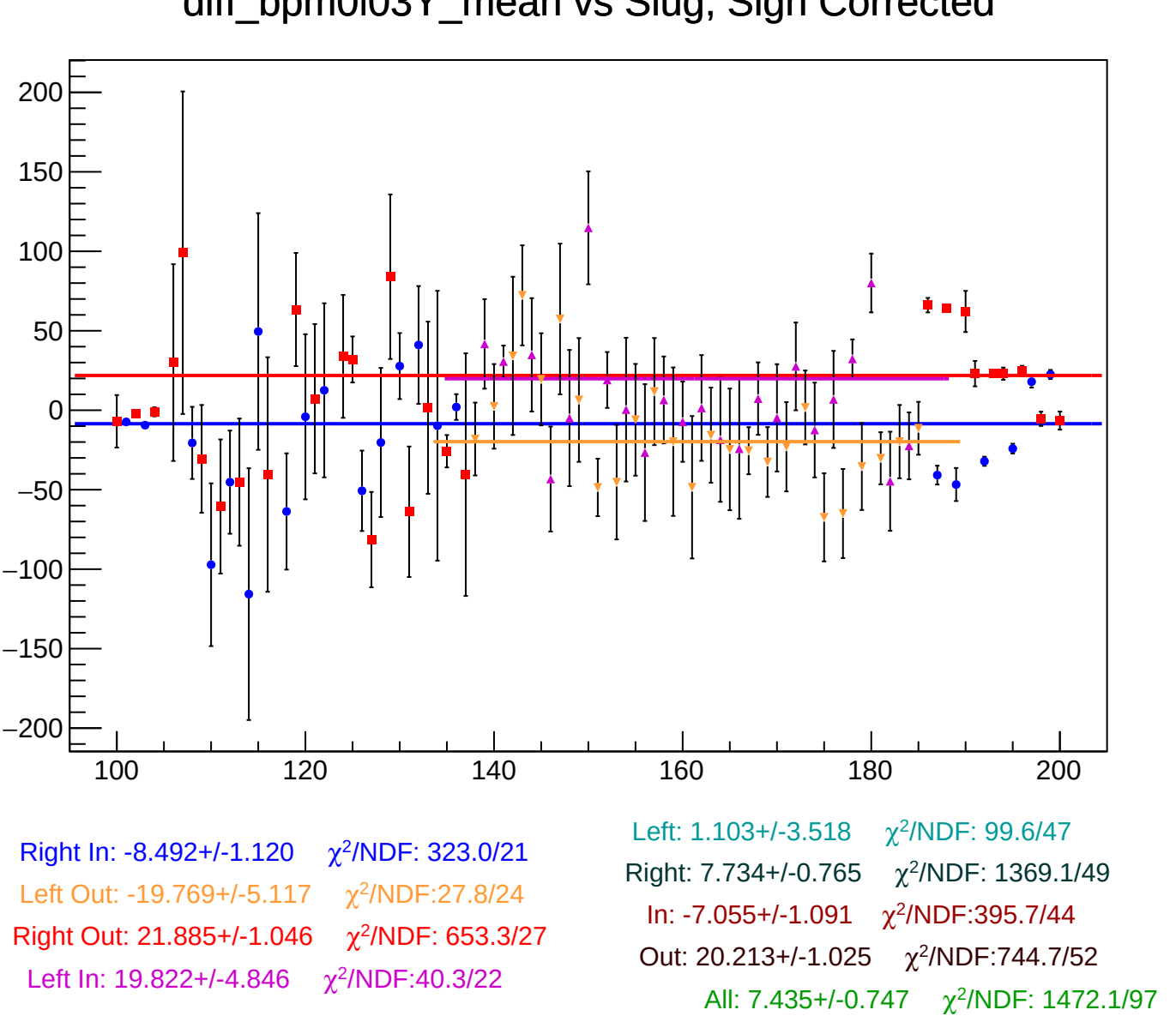
Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

Right: 2708.086+/-0.623 χ^2/NDF: 16653398.4/49

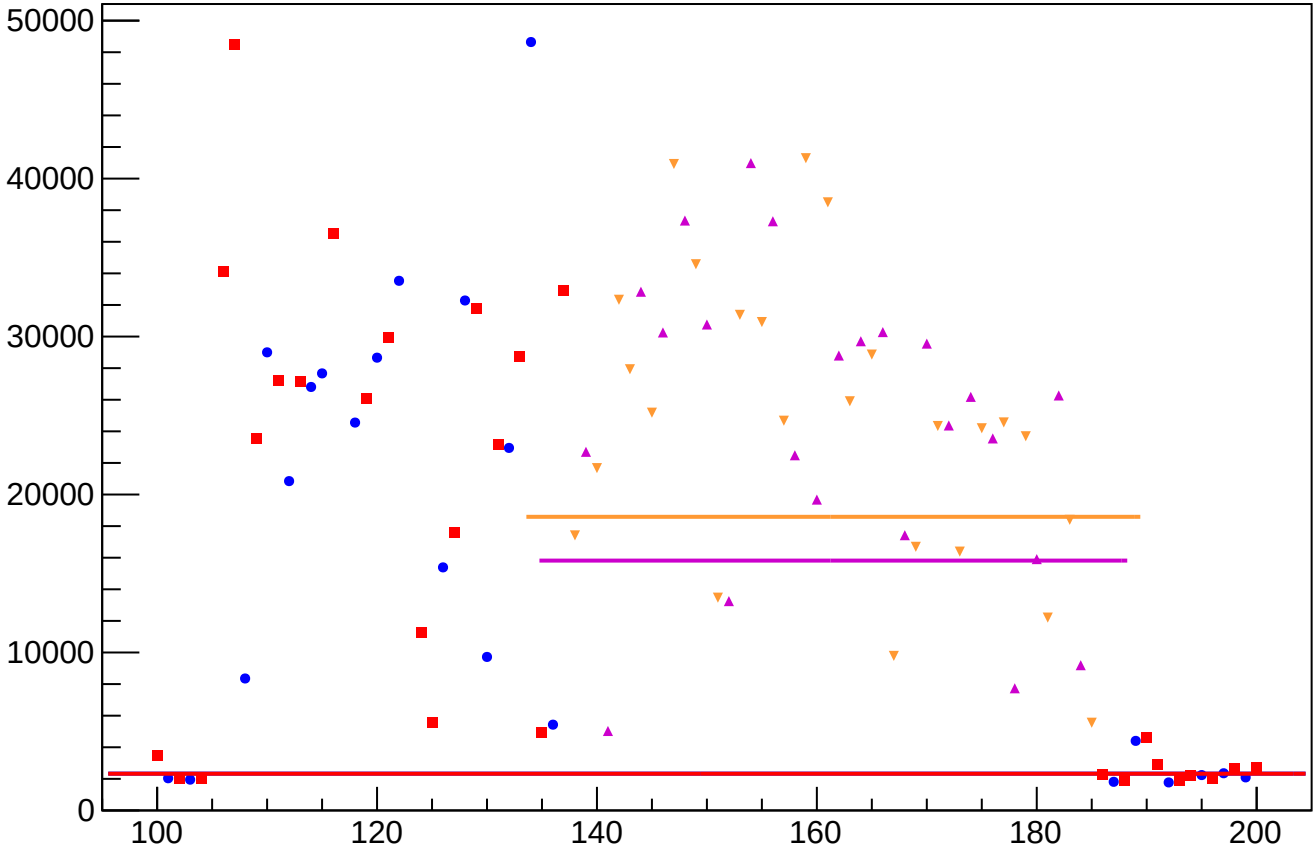
In: 3631.336+/-0.893 χ^2/NDF:29962173.1/44

Out: 3512.762+/-0.824 χ^2/NDF:33027924.8/52

All: 3567.288+/-0.606 χ^2/NDF: 62999614.1/9


diff_bpm0l03Y_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -8.492+/-1.120 χ²/NDF: 323.0/21
Left Out: -19.769+/-5.117 χ²/NDF:27.8/24
Right Out: 21.885+/-1.046 χ²/NDF: 653.3/27
Left In: 19.822+/-4.846 χ²/NDF:40.3/22
Left: 1.103+/-3.518 χ²/NDF: 99.6/47
Right: 7.734+/-0.765 χ²/NDF: 1369.1/49
In: -7.055+/-1.091 χ²/NDF:395.7/44
Out: 20.213+/-1.025 χ²/NDF:744.7/52
All: 7.435+/-0.747 χ²/NDF: 1472.1/97

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2331.426+/-0.792 χ^2/NDF: 7025374.0/21

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

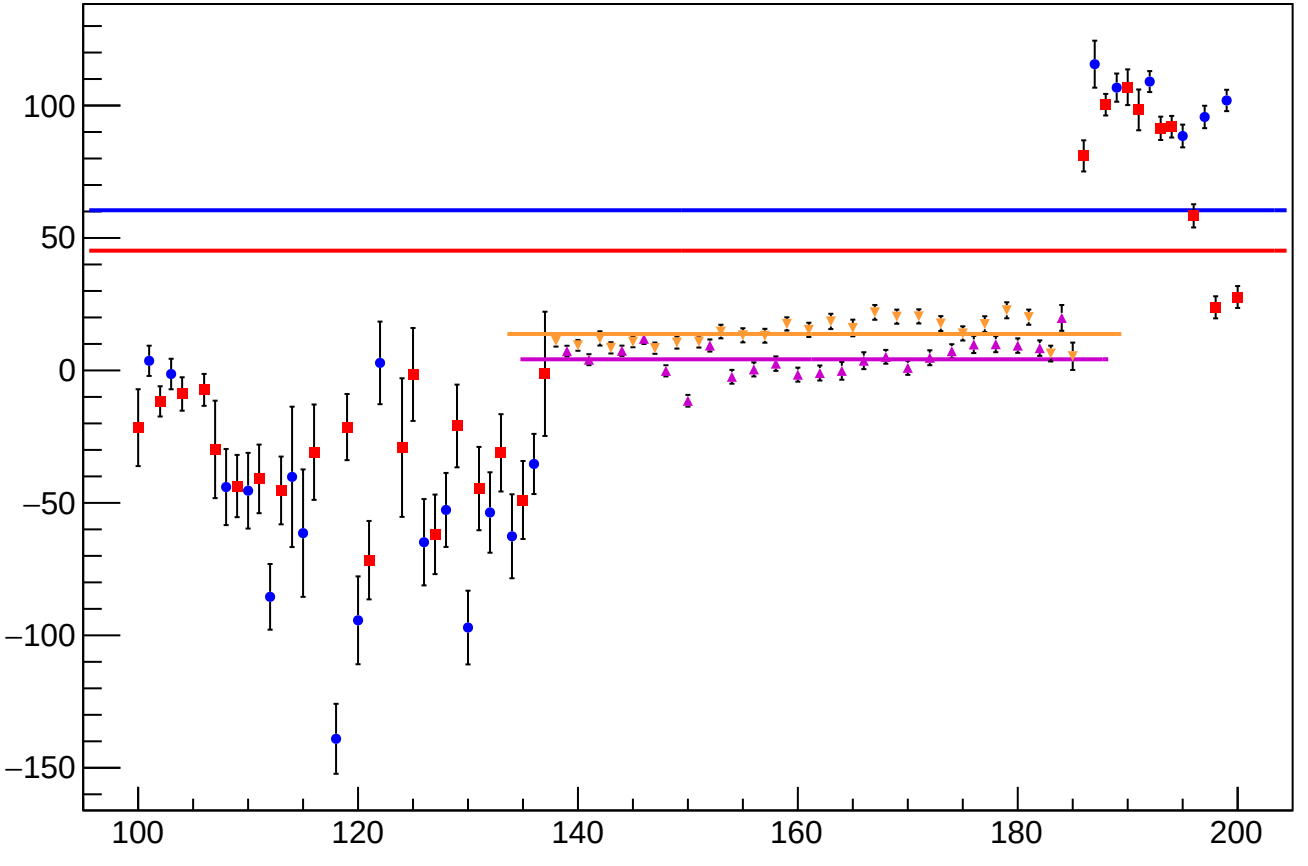
Right: 2328.299+/-0.541 χ^2/NDF: 15347738.5/49

In: 3015.683+/-0.772 χ^2/NDF:30138597.5/44

Out: 2978.205+/-0.725 χ^2/NDF:33416113.2/52

All: 2995.768+/-0.528 χ^2/NDF: 63555963.7/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 60.461+/-1.567 χ^2/NDF: 1752.6/21

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

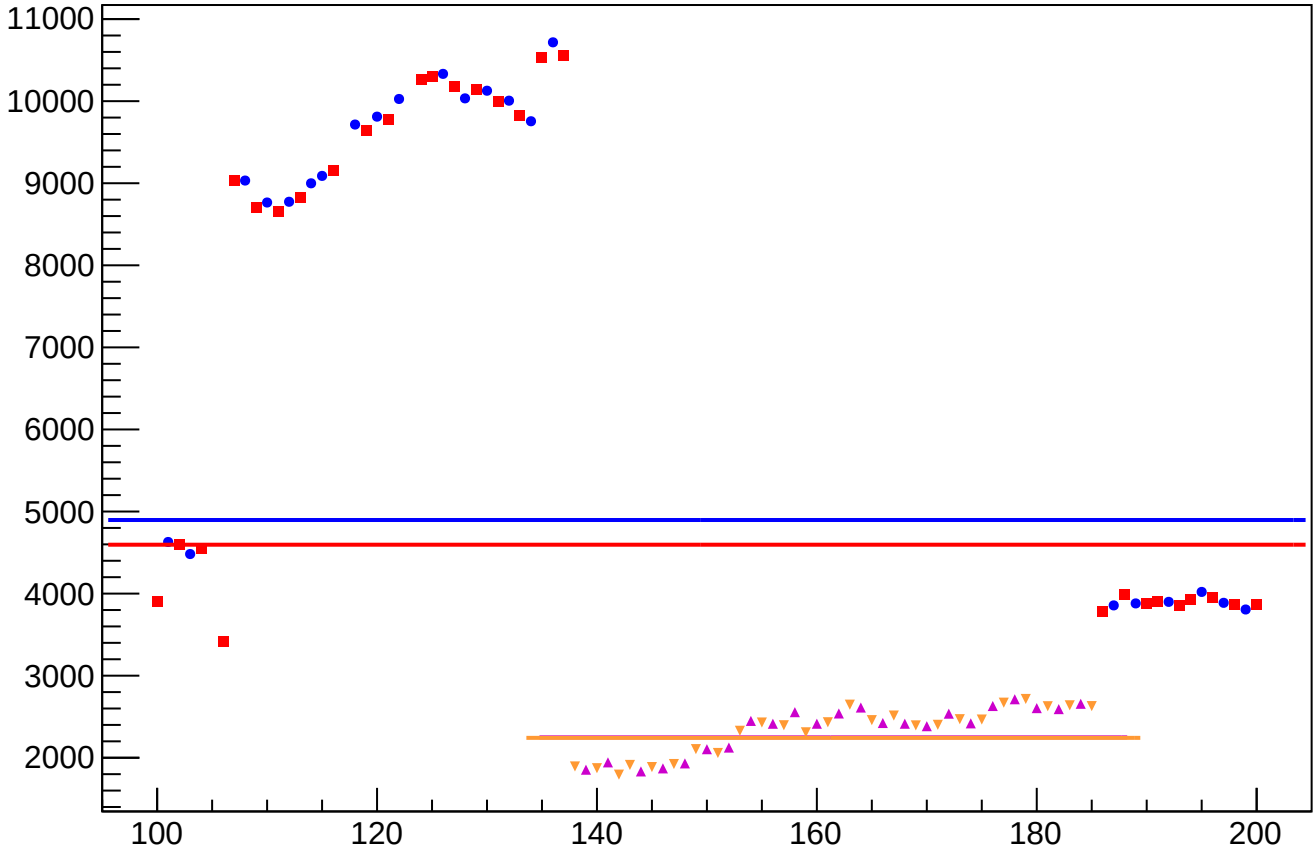
Right: 51.623+/-1.016 χ^2/NDF: 3190.1/49

In: 9.979+/-0.502 χ^2/NDF:3033.2/44

Out: 17.821+/-0.480 χ^2/NDF:1943.1/52

All: 14.079+/-0.347 χ^2/NDF: 5103.8/97

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4896.684+/-1.108 χ^2/NDF: 3576097.1/21

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

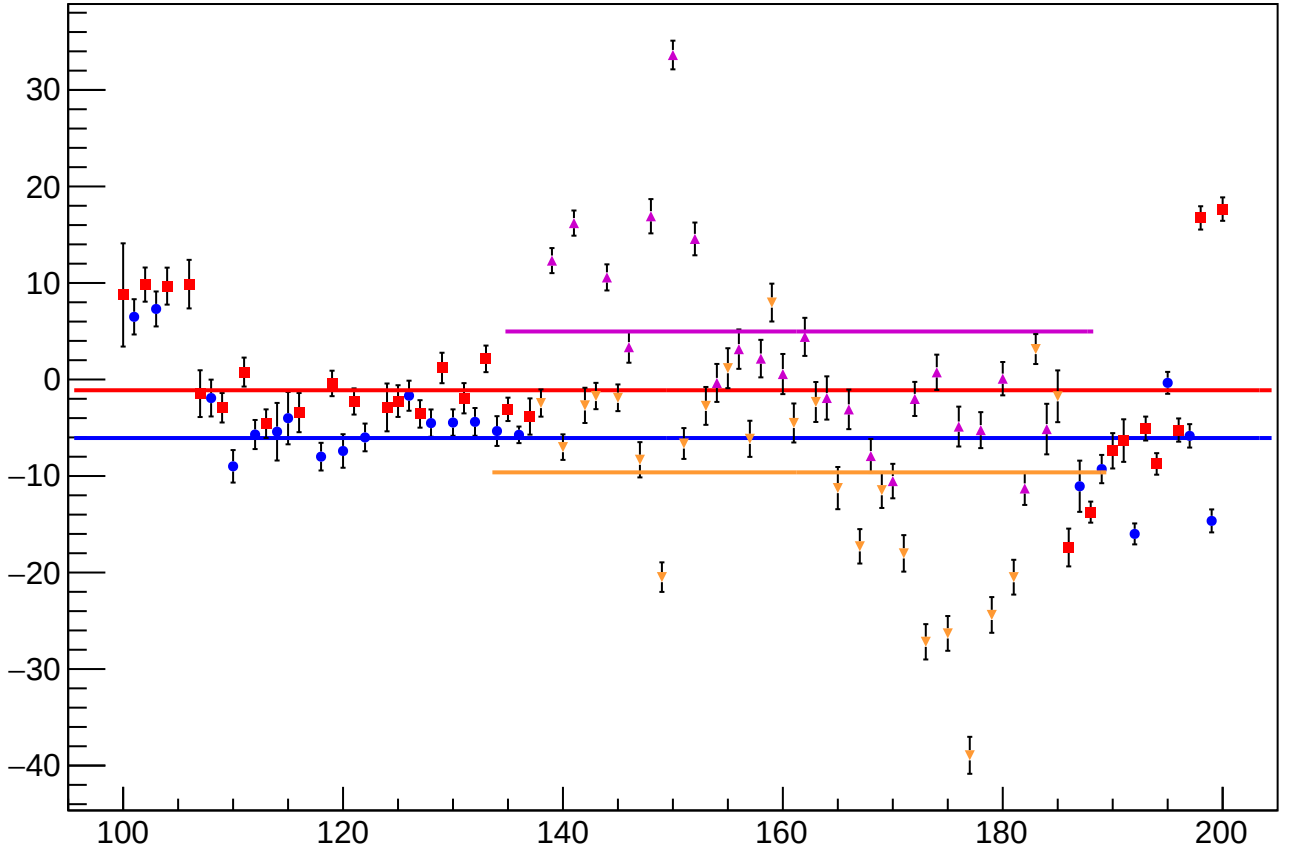
Right: 4722.284+/-0.719 χ^2/NDF: 7357701.6/49

In: 2520.473+/-0.355 χ^2/NDF:9343423.5/44

Out: 2546.198+/-0.339 χ^2/NDF:9810092.1/52

All: 2533.923+/-0.245 χ^2/NDF: 19156260.3/9

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -6.064+/-0.308 χ^2/NDF: 294.2/21

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

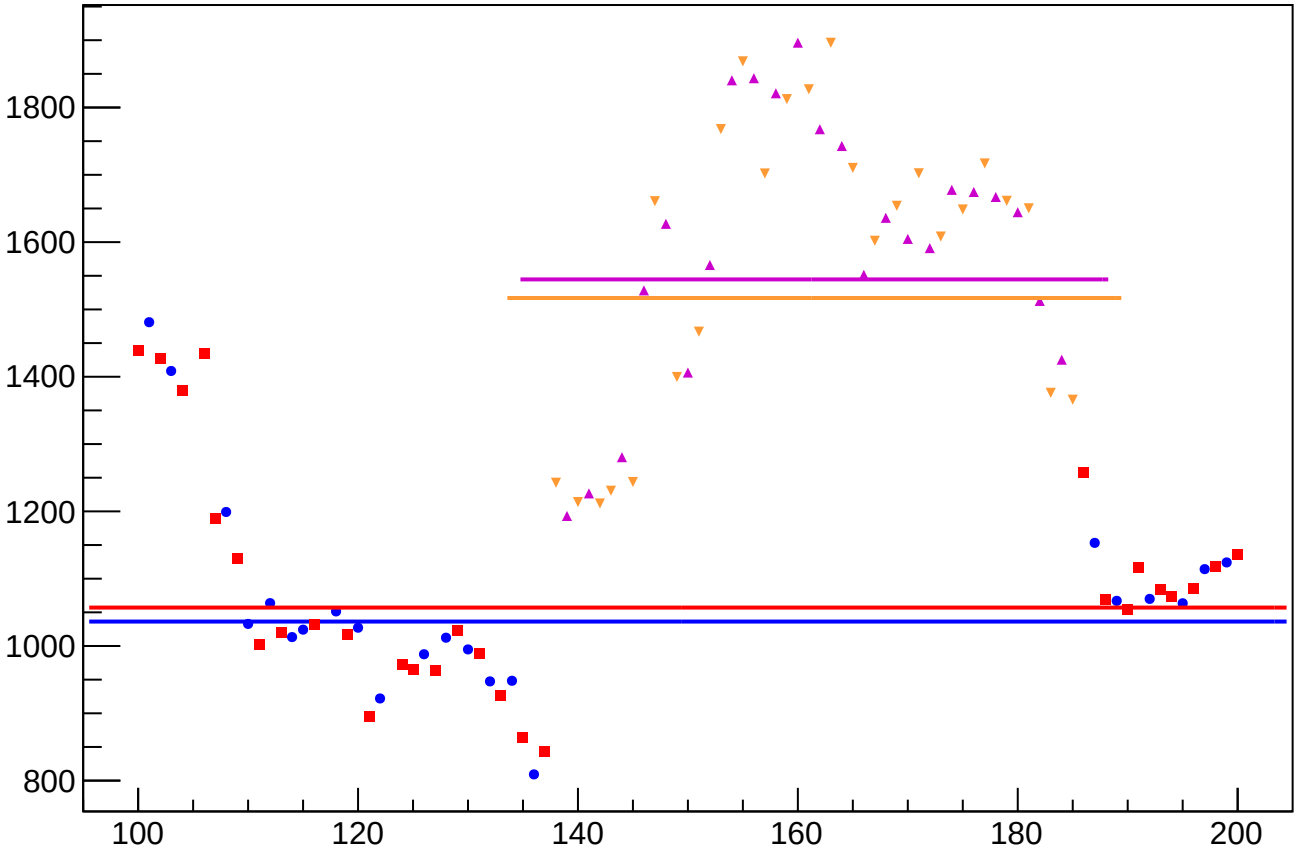
Right: -3.422+/-0.210 χ^2/NDF: 1298.9/49

In: -1.470+/-0.235 χ^2/NDF:1759.1/44

Out: -4.554+/-0.222 χ^2/NDF:2154.7/52

All: -3.101+/-0.161 χ^2/NDF: 4004.7/97

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1036.303+/-0.218 χ^2/NDF: 416818.6/21

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

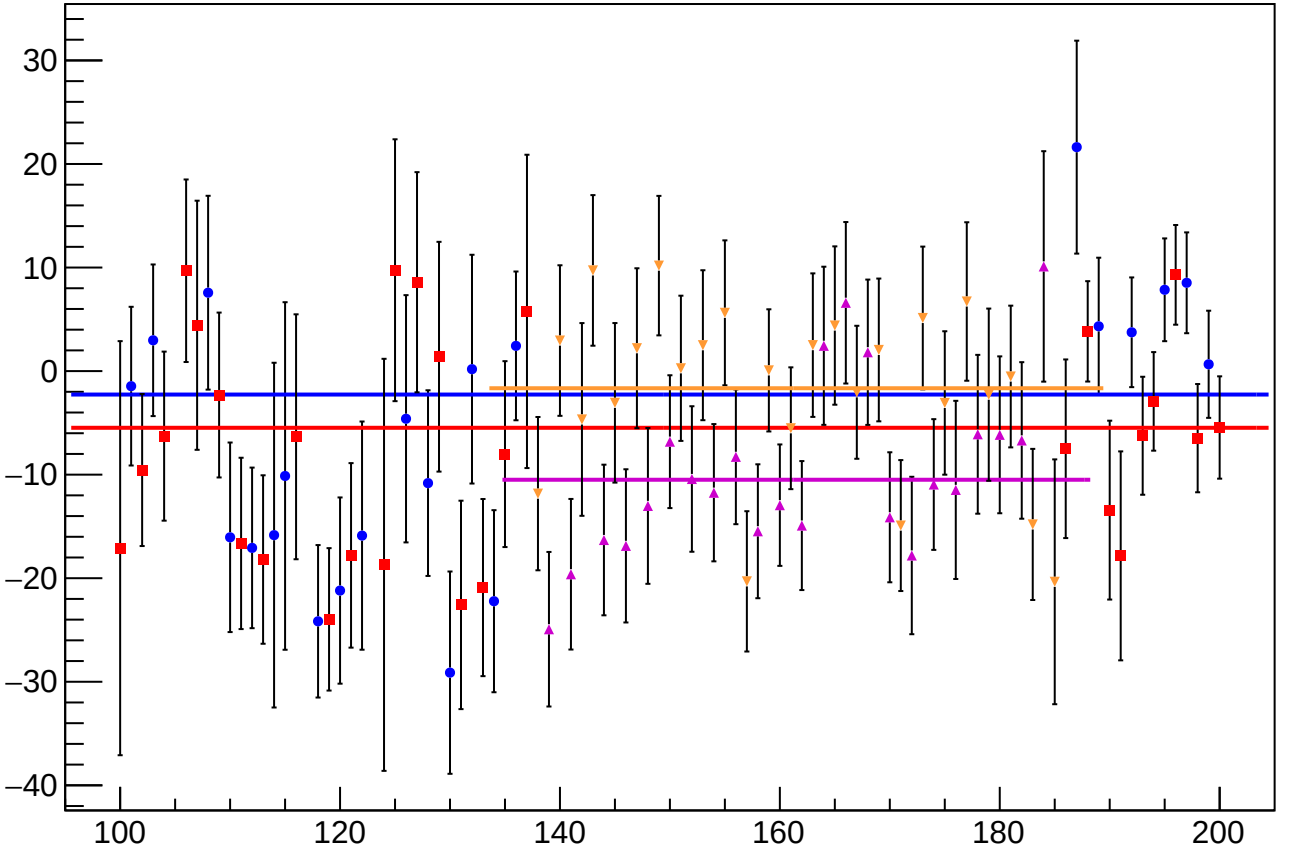
Right: 1047.391+/-0.149 χ^2/NDF: 820522.6/49

In: 1247.866+/-0.166 χ^2/NDF:3324790.4/44

Out: 1243.033+/-0.157 χ^2/NDF:3299745.6/52

All: 1245.309+/-0.114 χ^2/NDF: 6624982.5/97

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -2.264+/-1.621 χ^2/NDF: 54.4/21

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

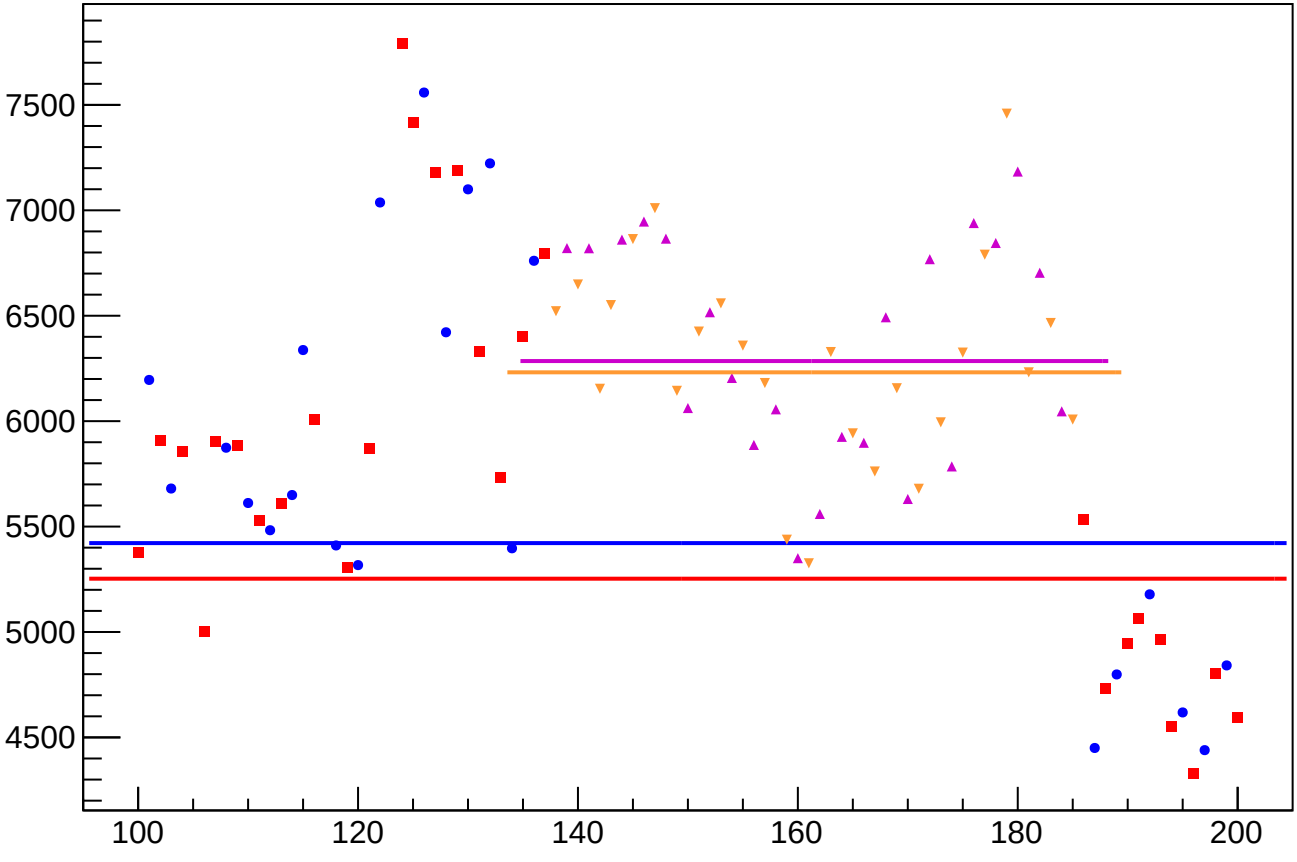
Right: -4.060+/-1.076 χ^2/NDF: 101.2/49

In: -6.753+/-1.093 χ^2/NDF:93.4/44

Out: -3.549+/-1.013 χ^2/NDF:79.6/52

All: -5.029+/-0.743 χ^2/NDF: 177.6/97

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5421.632+/-1.146 χ^2/NDF: 547548.8/21

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

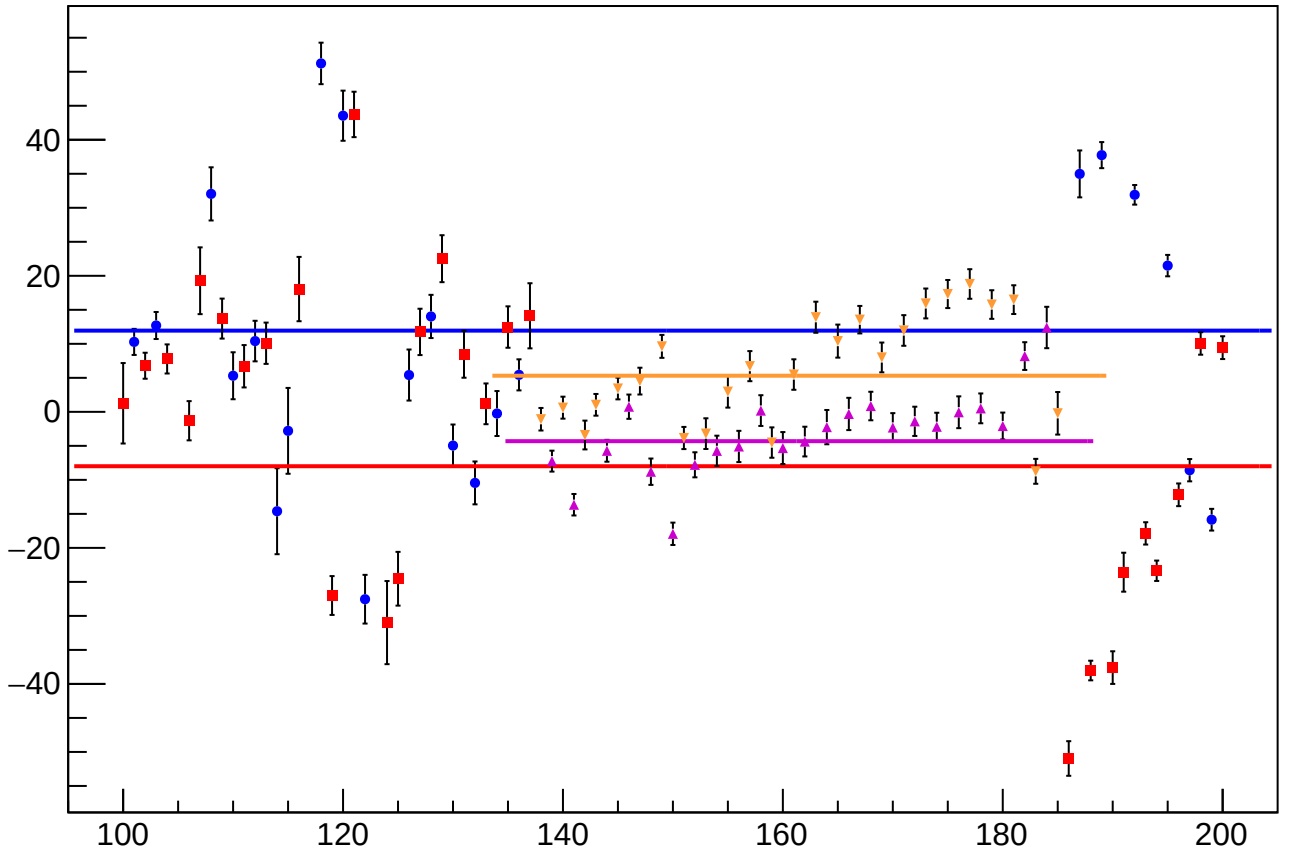
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5327.159+/-0.761 χ^2/NDF: 1131722.7/49

In: 5892.688+/-0.773 χ^2/NDF:1122367.7/44

Out: 5746.352+/-0.716 χ^2/NDF:1265911.8/52

All: 5813.959+/-0.525 χ^2/NDF: 2407568.5/97



Right In: 11.941+/-0.516 χ^2/NDF: 1435.3/21

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

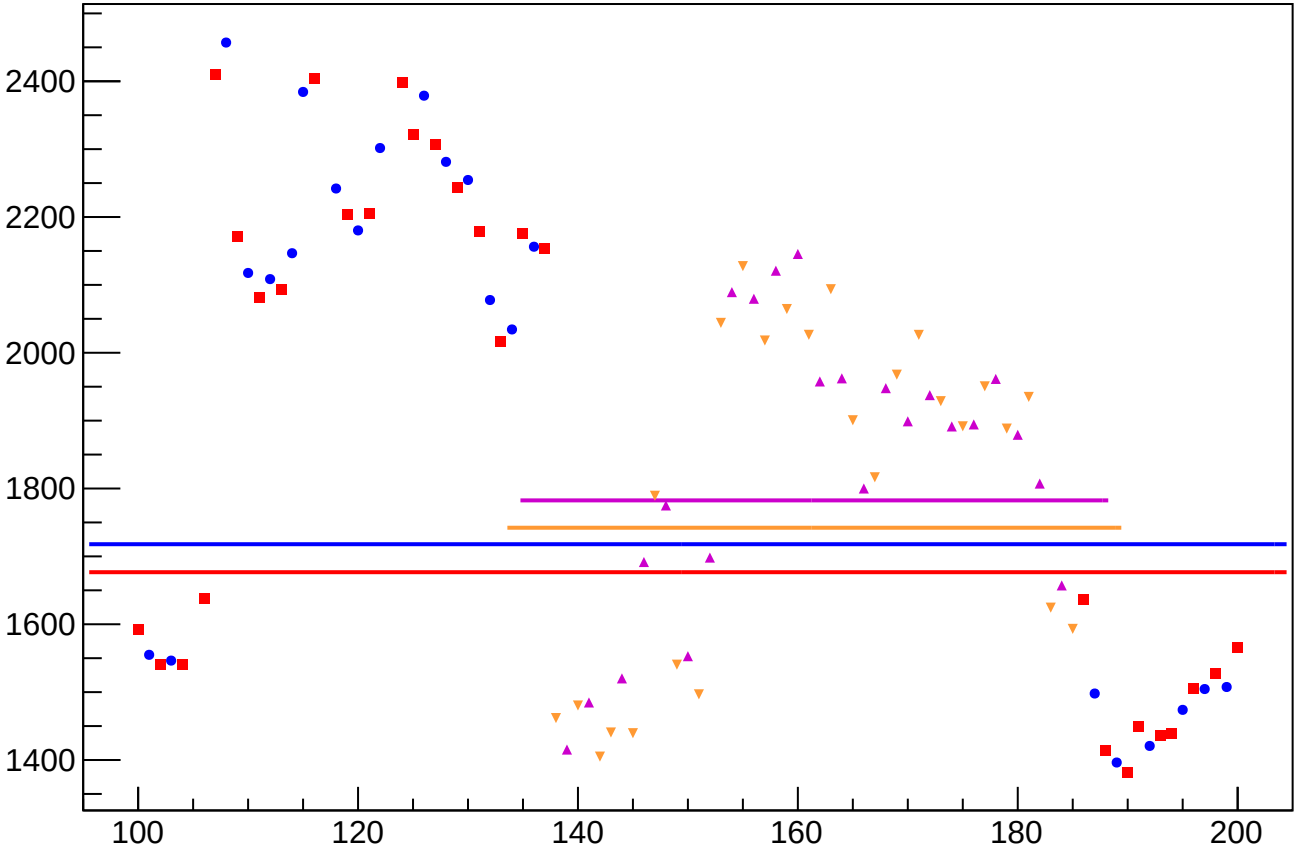
Right: 0.859+/-0.344 χ^2/NDF: 4364.2/49

In: 2.172+/-0.326 χ^2/NDF:2252.6/44

Out: -0.410+/-0.302 χ^2/NDF:2951.4/52

All: 0.785+/-0.222 χ^2/NDF: 5237.8/97

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1717.935+/-0.365 χ^2/NDF: 906386.7/21

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

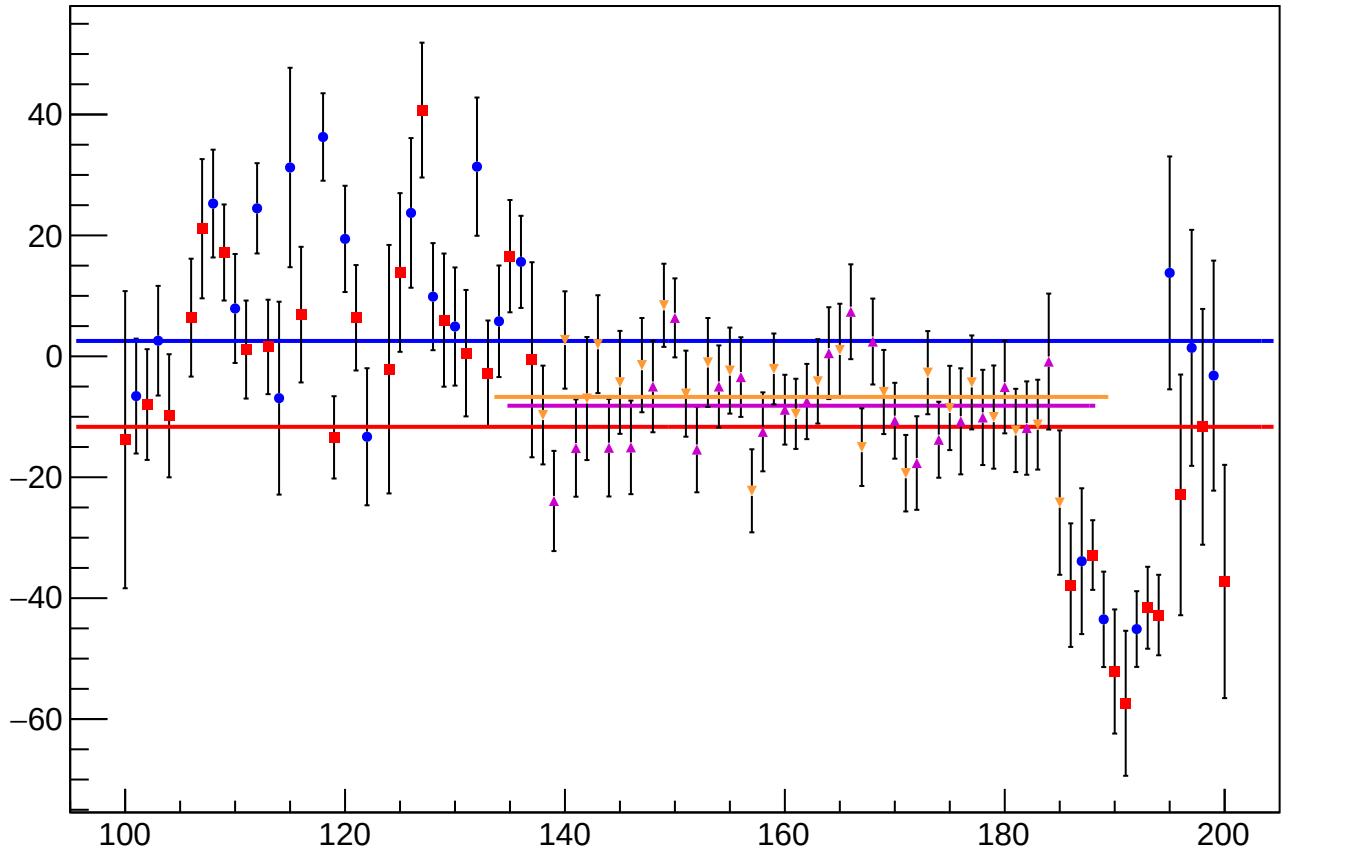
Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

Right: 1695.012+/-0.243 χ^2/NDF: 1865289.1/49

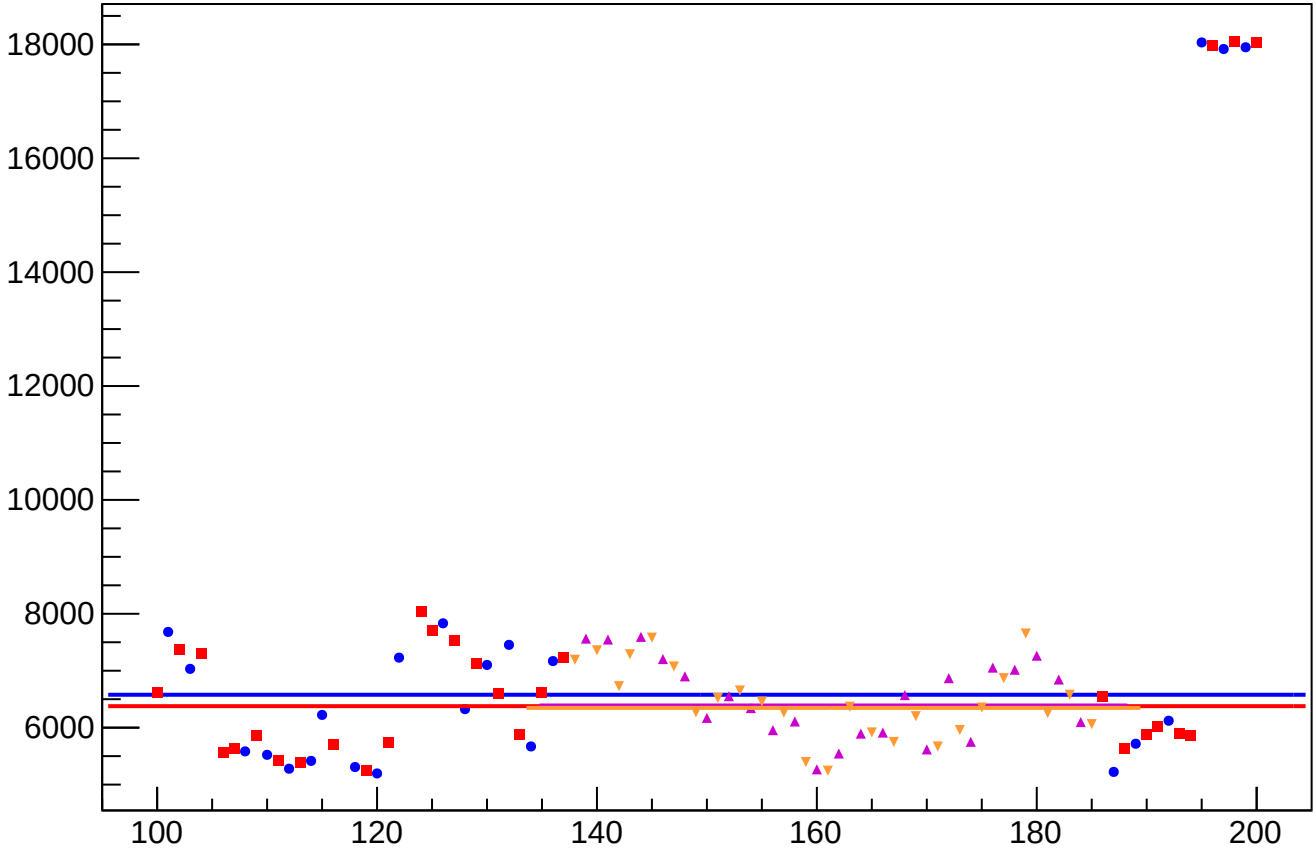
In: 1756.747+/-0.230 χ^2/NDF:1459608.2/44

Out: 1714.045+/-0.214 χ^2/NDF:1742490.0/52

All: 1733.805+/-0.157 χ^2/NDF: 3220569.7/97


diff_bpm0l06X_mean vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 2.543+/-2.057 χ²/NDF: 161.8/21
Left Out: -6.713+/-1.458 χ²/NDF:25.7/24
Right Out: -11.661+/-1.820 χ²/NDF: 171.7/27
Left In: -8.171+/-1.510 χ²/NDF:24.2/22
Left: -7.416+/-1.049 χ²/NDF: 50.3/47
Right: -5.421+/-1.363 χ²/NDF: 360.3/49
In: -4.418+/-1.217 χ²/NDF:203.6/44
Out: -8.646+/-1.138 χ²/NDF:201.9/52
All: -6.674+/-0.831 χ²/NDF: 411.9/97

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6577.959+/-1.454 χ^2/NDF: 2502344.5/21

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

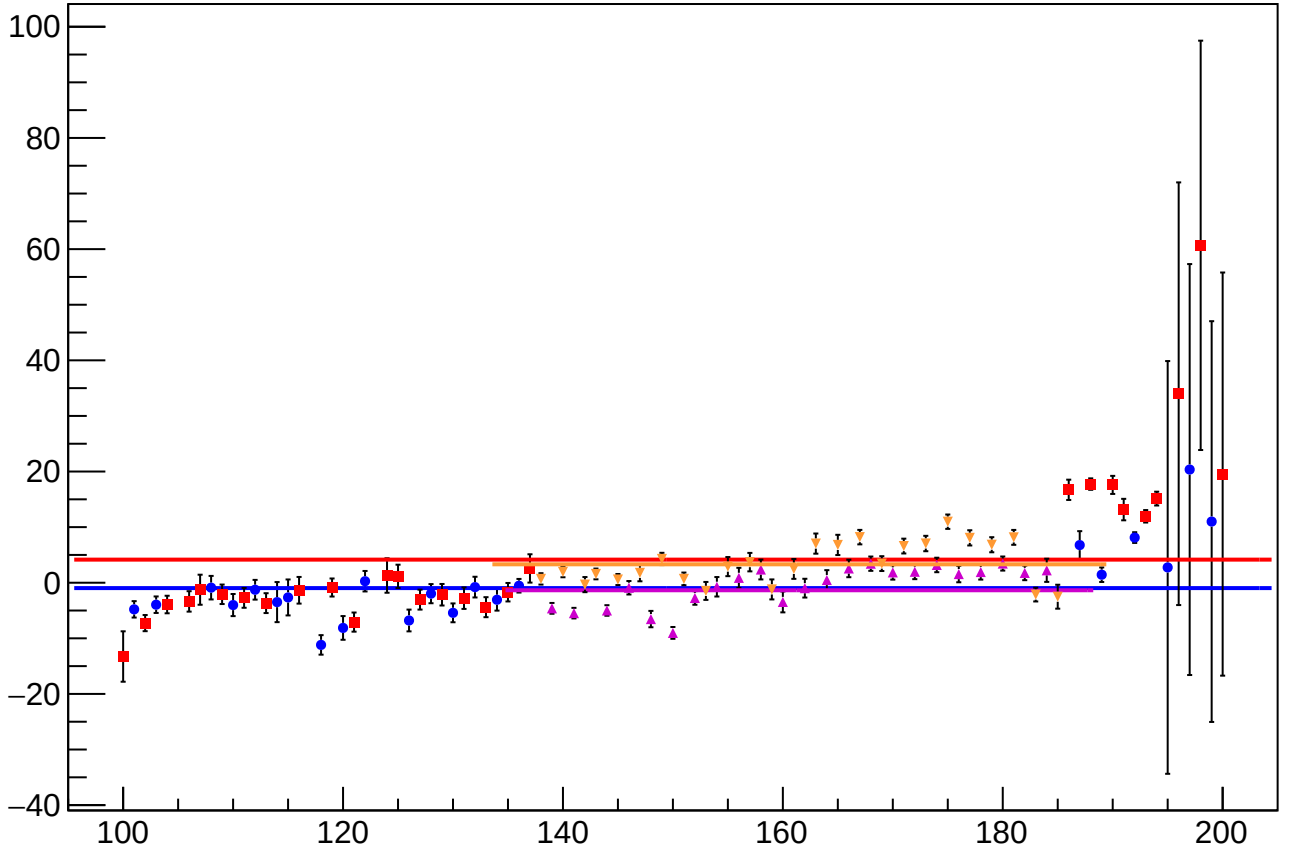
Right: 6465.575+/-0.964 χ^2/NDF: 4982729.1/49

In: 6455.461+/-0.861 χ^2/NDF:2933021.9/44

Out: 6359.101+/-0.805 χ^2/NDF:2856094.5/52

All: 6404.042+/-0.588 χ^2/NDF: 5795805.8/97

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.965+/-0.386 χ^2/NDF: 179.4/21

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

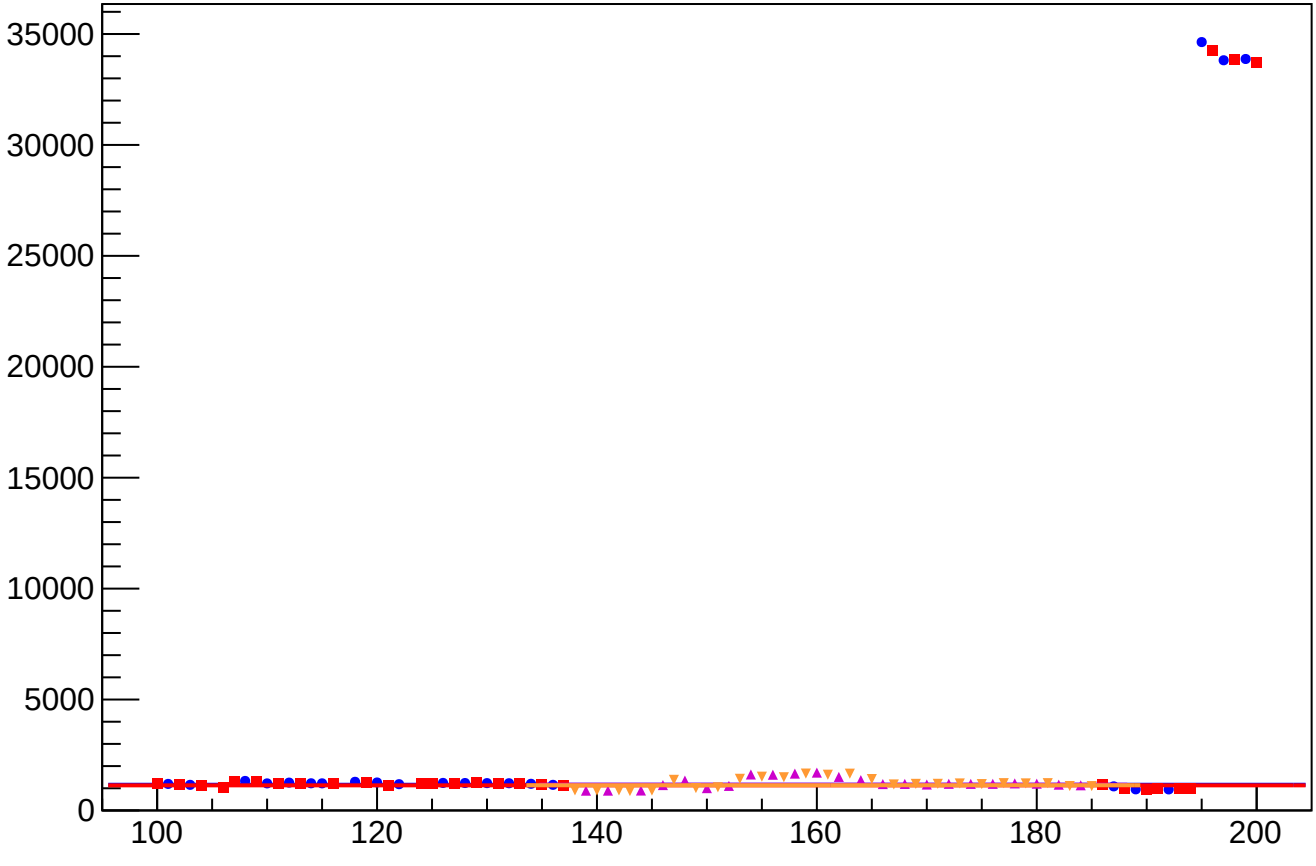
Right: 1.902+/-0.256 χ^2/NDF: 1025.4/49

In: -1.223+/-0.225 χ^2/NDF:376.3/44

Out: 3.626+/-0.209 χ^2/NDF:929.3/52

All: 1.377+/-0.153 χ^2/NDF: 1554.8/97

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1158.666+/-0.273 χ^2/NDF: 5038502.6/21

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

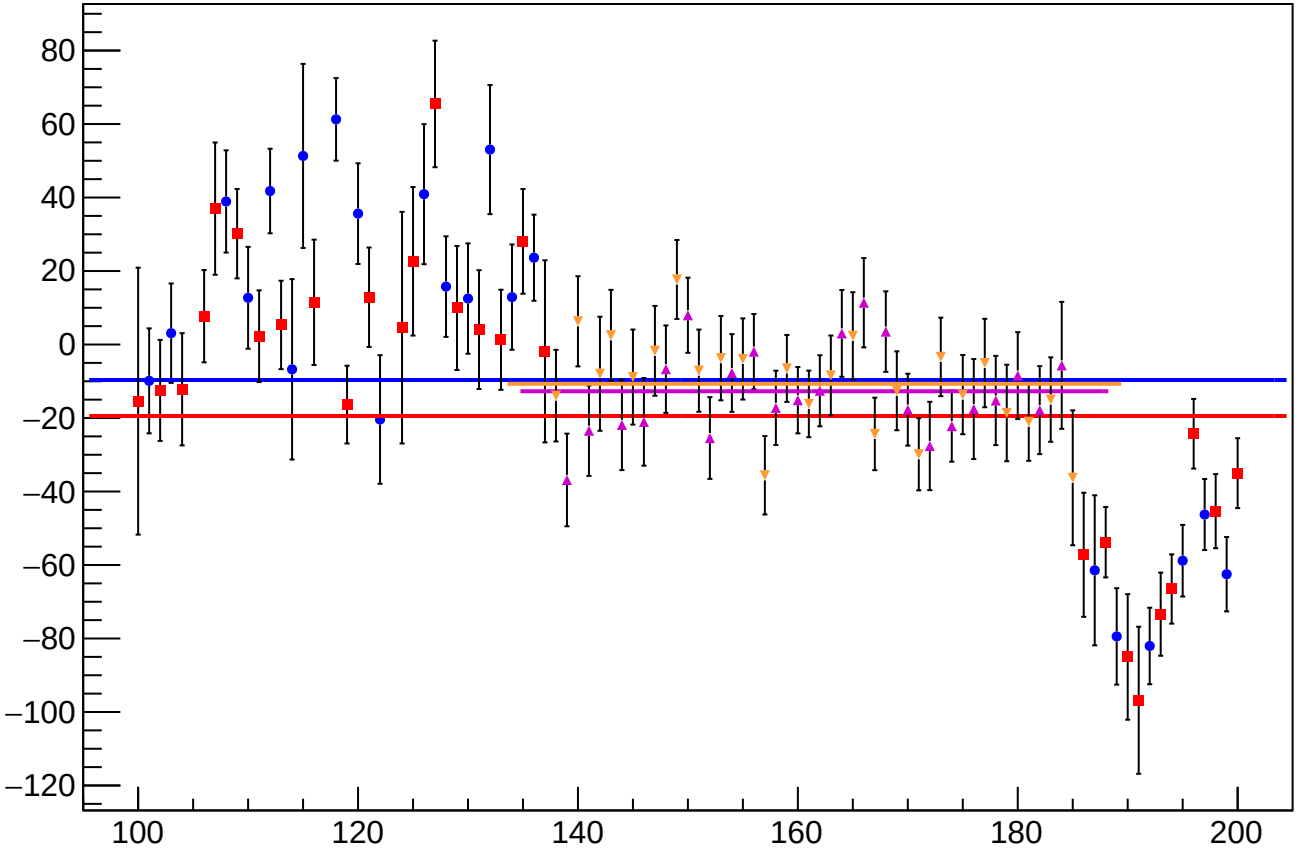
Right: 1143.533+/-0.181 χ^2/NDF: 9978741.5/49

In: 1159.172+/-0.159 χ^2/NDF:6298301.4/44

Out: 1135.092+/-0.148 χ^2/NDF:6404760.9/52

All: 1146.265+/-0.108 χ^2/NDF: 12715355.0/9

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -9.660+/-2.835 χ^2/NDF: 278.8/21

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

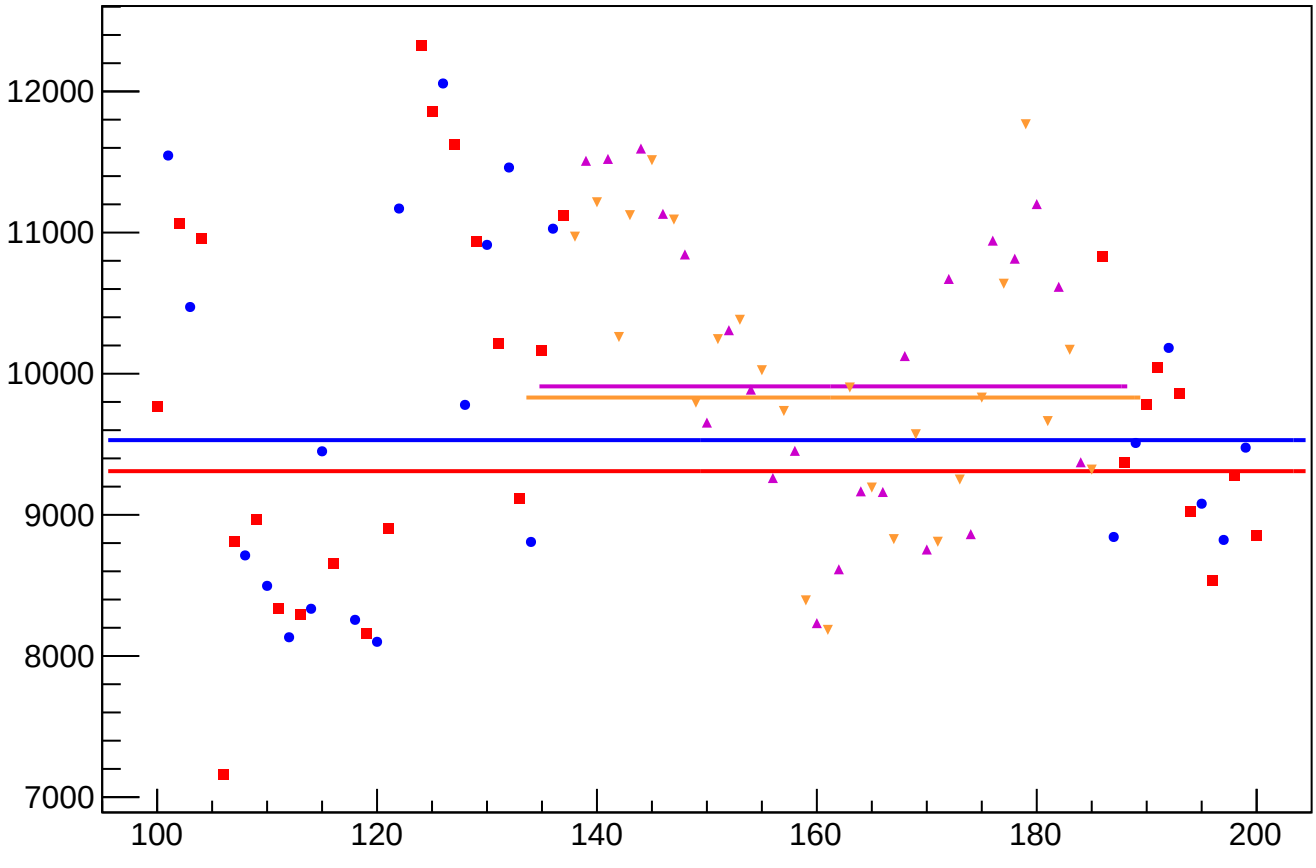
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -15.094+/-1.891 χ^2/NDF: 486.5/49

In: -11.479+/-1.805 χ^2/NDF:303.5/44

Out: -14.562+/-1.687 χ^2/NDF:236.5/52

All: -13.125+/-1.232 χ^2/NDF: 541.5/97



Right In: 9529.408+/-2.005 χ^2/NDF: 306756.9/21

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

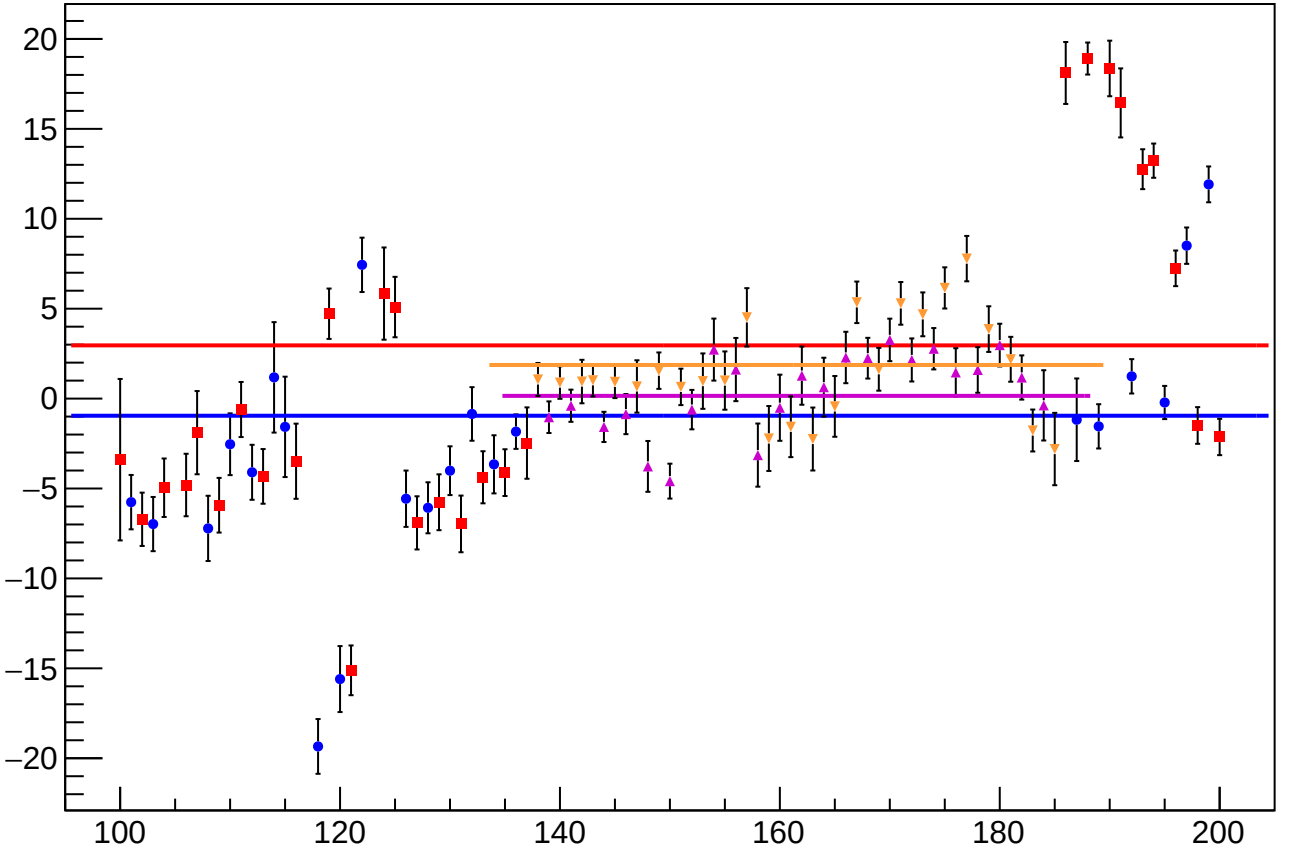
Right: 9407.376+/-1.337 χ^2/NDF: 660675.6/49

In: 9755.901+/-1.276 χ^2/NDF:717589.6/44

Out: 9600.878+/-1.193 χ^2/NDF:750557.1/52

All: 9673.136+/-0.871 χ^2/NDF: 1476021.9/97

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.953+/-0.291 χ^2/NDF: 574.9/21

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

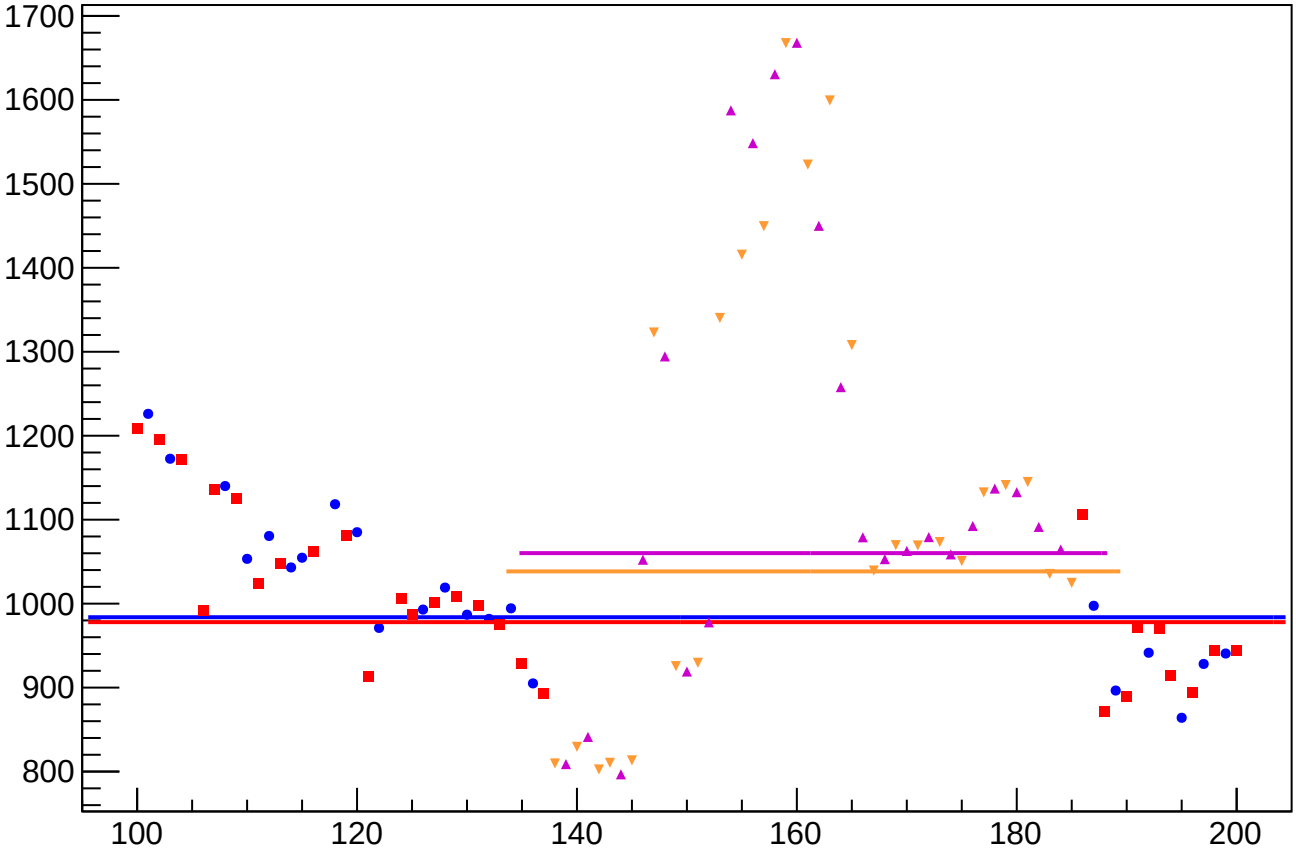
Right: 1.183+/-0.196 χ^2/NDF: 1997.1/49

In: -0.327+/-0.192 χ^2/NDF:658.8/44

Out: 2.366+/-0.179 χ^2/NDF:1435.7/52

All: 1.110+/-0.131 χ^2/NDF: 2200.0/97

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 983.808+/-0.206 χ^2/NDF: 205231.1/21

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 977.980+/-0.187 χ^2/NDF: 211760.8/27

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

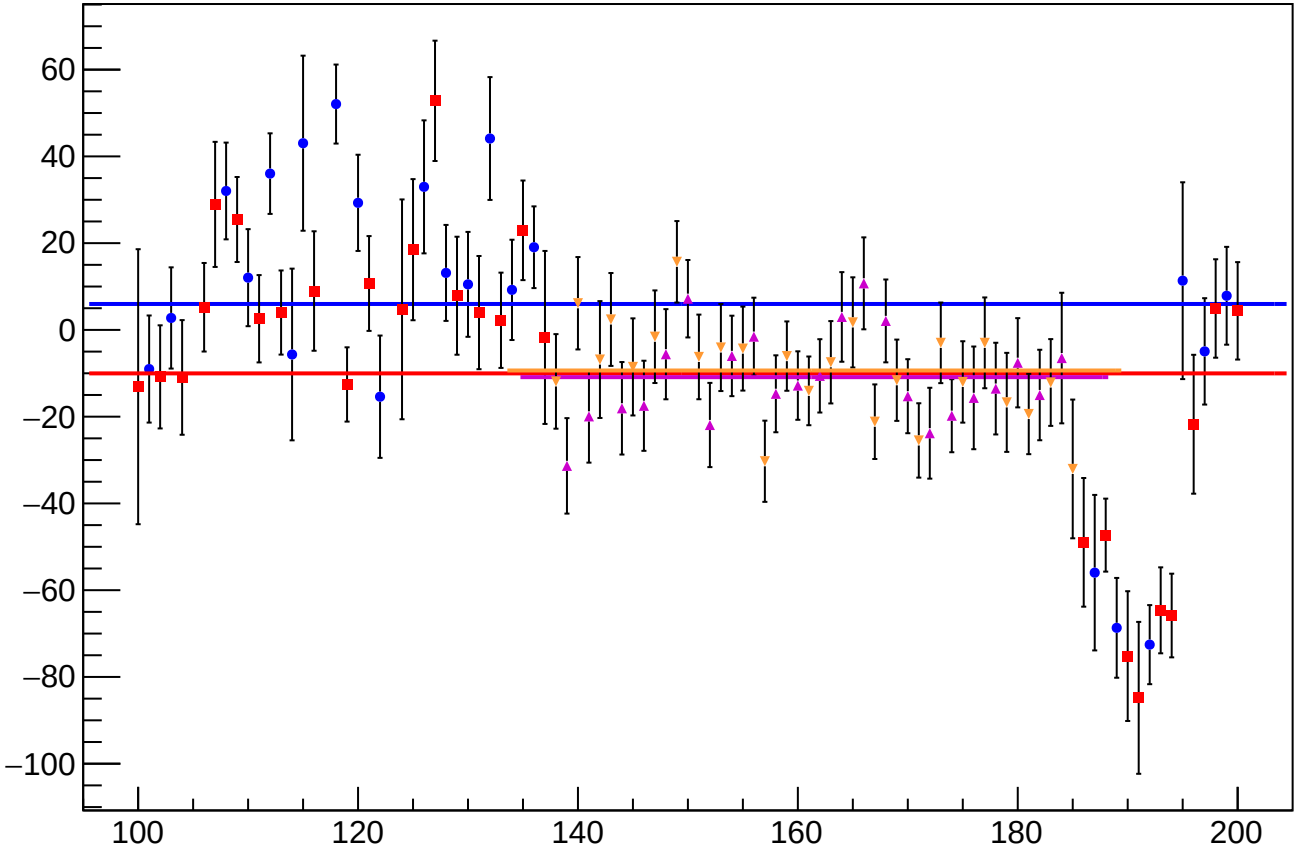
Right: 980.625+/-0.139 χ^2/NDF: 417430.6/49

In: 1027.050+/-0.135 χ^2/NDF:1806530.9/44

Out: 1010.864+/-0.127 χ^2/NDF:1974975.0/52

All: 1018.411+/-0.092 χ^2/NDF: 3789130.3/97

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 5.979+/-2.549 χ^2/NDF: 195.9/21

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

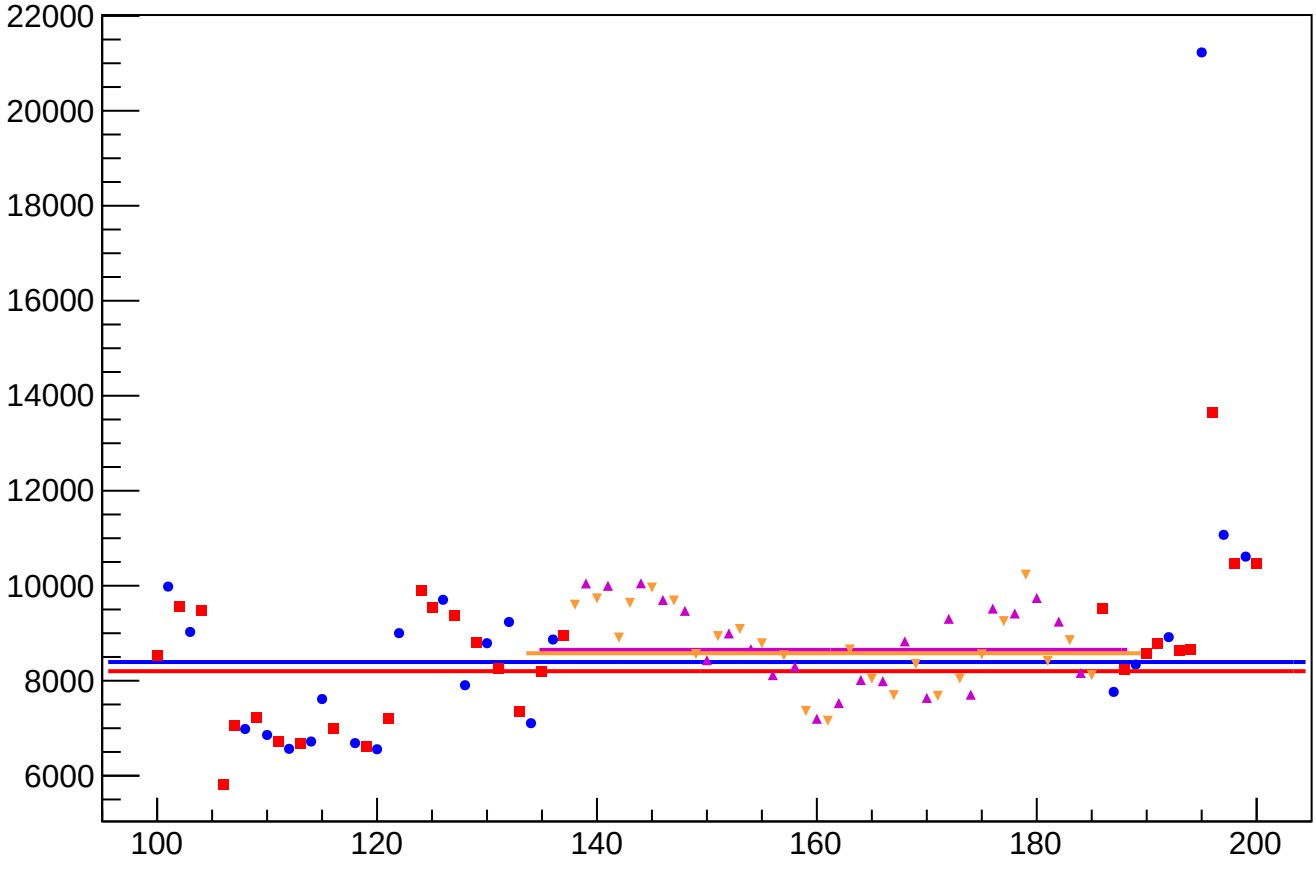
Right: -2.935+/-1.696 χ^2/NDF: 417.8/49

In: -4.295+/-1.594 χ^2/NDF:246.2/44

Out: -9.642+/-1.488 χ^2/NDF:228.5/52

All: -7.151+/-1.088 χ^2/NDF: 480.7/97

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8393.490+/-1.802 χ^2/NDF: 1211897.2/21

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

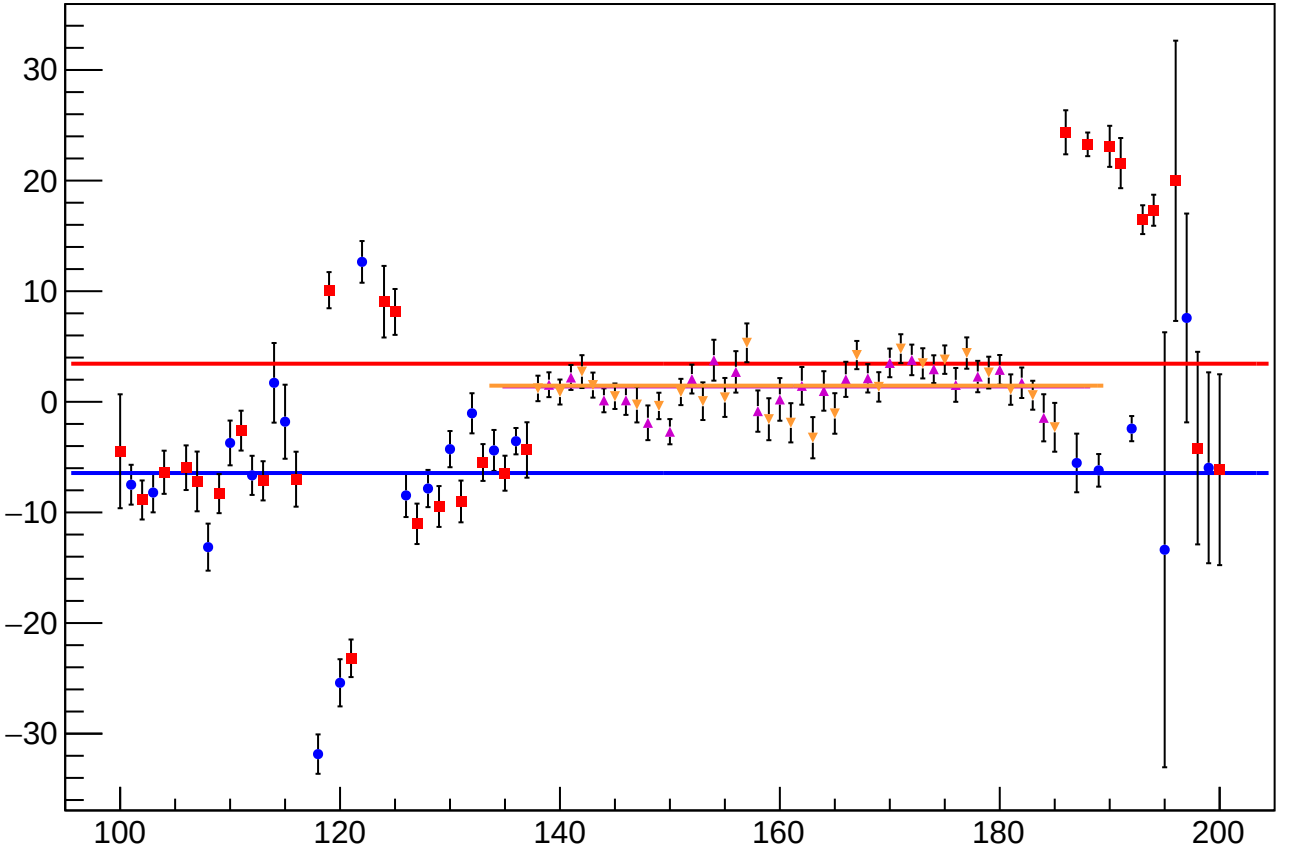
Right: 8286.184+/-1.200 χ^2/NDF: 2074223.4/49

In: 8549.223+/-1.127 χ^2/NDF:1602090.7/44

Out: 8416.521+/-1.052 χ^2/NDF:1231205.2/52

All: 8478.334+/-0.769 χ^2/NDF: 2840702.0/97

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.437+/-0.406 χ^2/NDF: 439.8/21

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

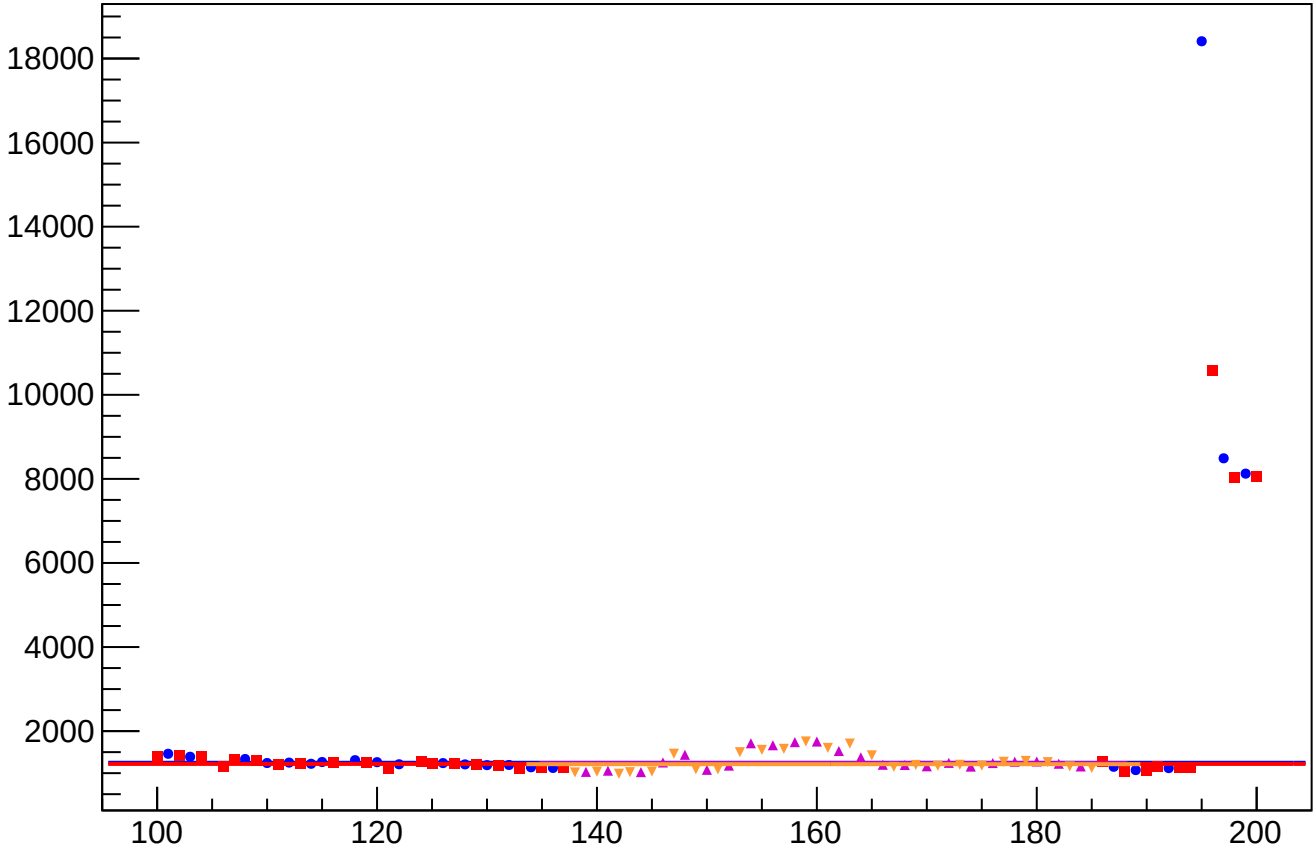
Right: -0.915+/-0.269 χ^2/NDF: 2329.6/49

In: -1.310+/-0.238 χ^2/NDF:719.3/44

Out: 2.210+/-0.221 χ^2/NDF:1627.9/52

All: 0.578+/-0.162 χ^2/NDF: 2464.4/97

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1246.785+/-0.287 χ^2/NDF: 4108170.0/21

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

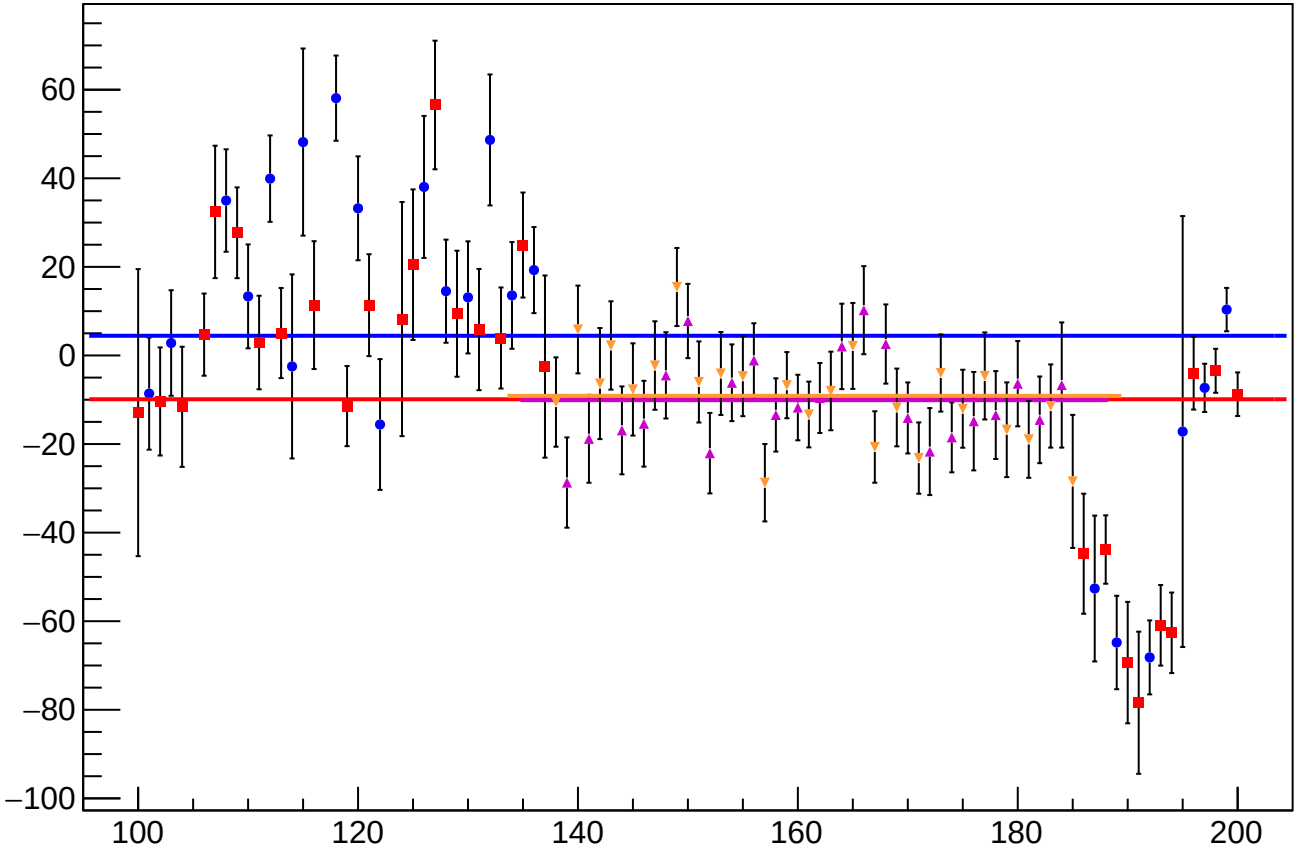
Right: 1231.628+/-0.190 χ^2/NDF: 7850882.6/49

In: 1241.799+/-0.168 χ^2/NDF:4994228.1/44

Out: 1215.675+/-0.157 χ^2/NDF:4750867.6/52

All: 1227.783+/-0.115 χ^2/NDF: 9758005.3/97

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.443+/-2.191 χ^2/NDF: 219.7/21

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

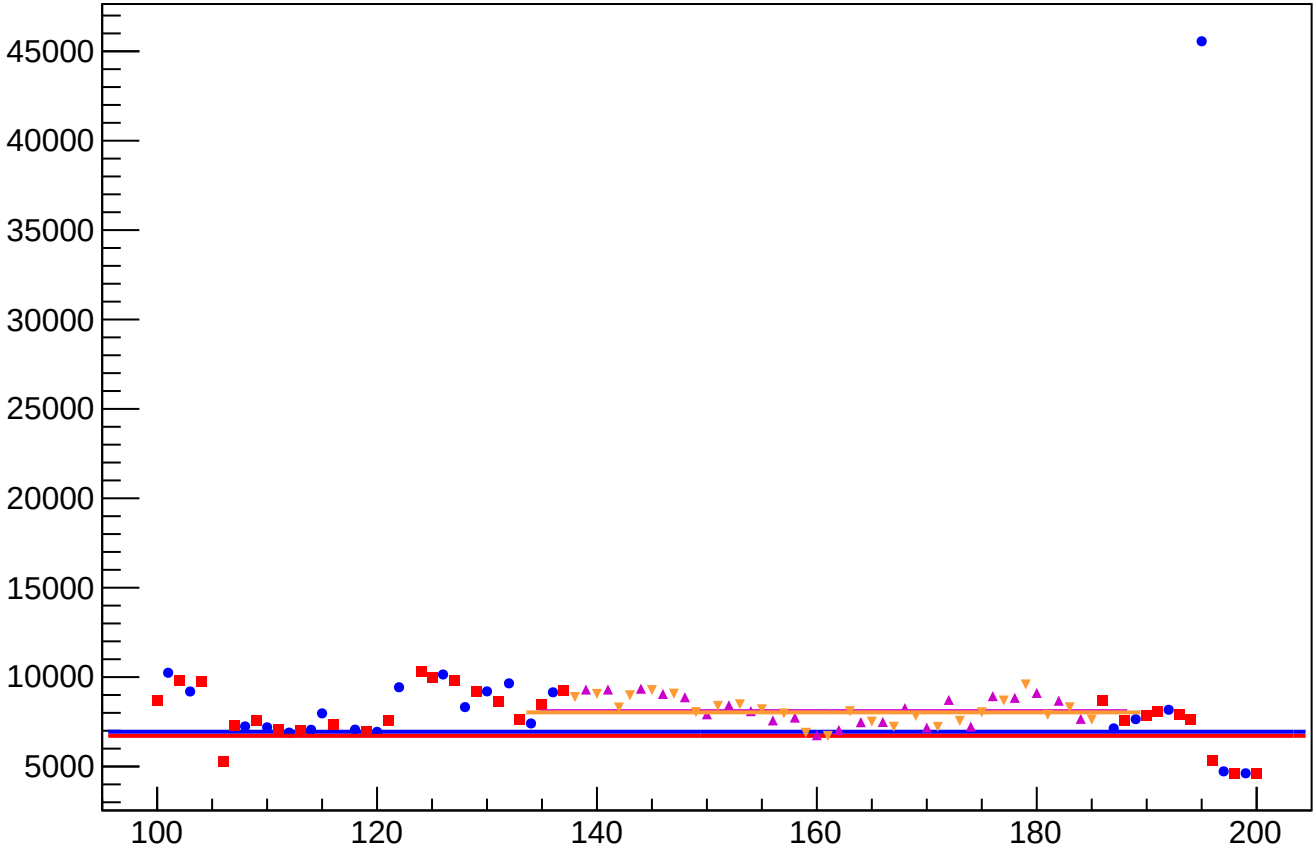
Right: -3.666+/-1.444 χ^2/NDF: 445.5/49

In: -3.814+/-1.440 χ^2/NDF:269.0/44

Out: -9.487+/-1.329 χ^2/NDF:230.4/52

All: -6.877+/-0.977 χ^2/NDF: 507.8/97

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6943.699+/-1.549 χ^2/NDF: 2710991.6/21

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

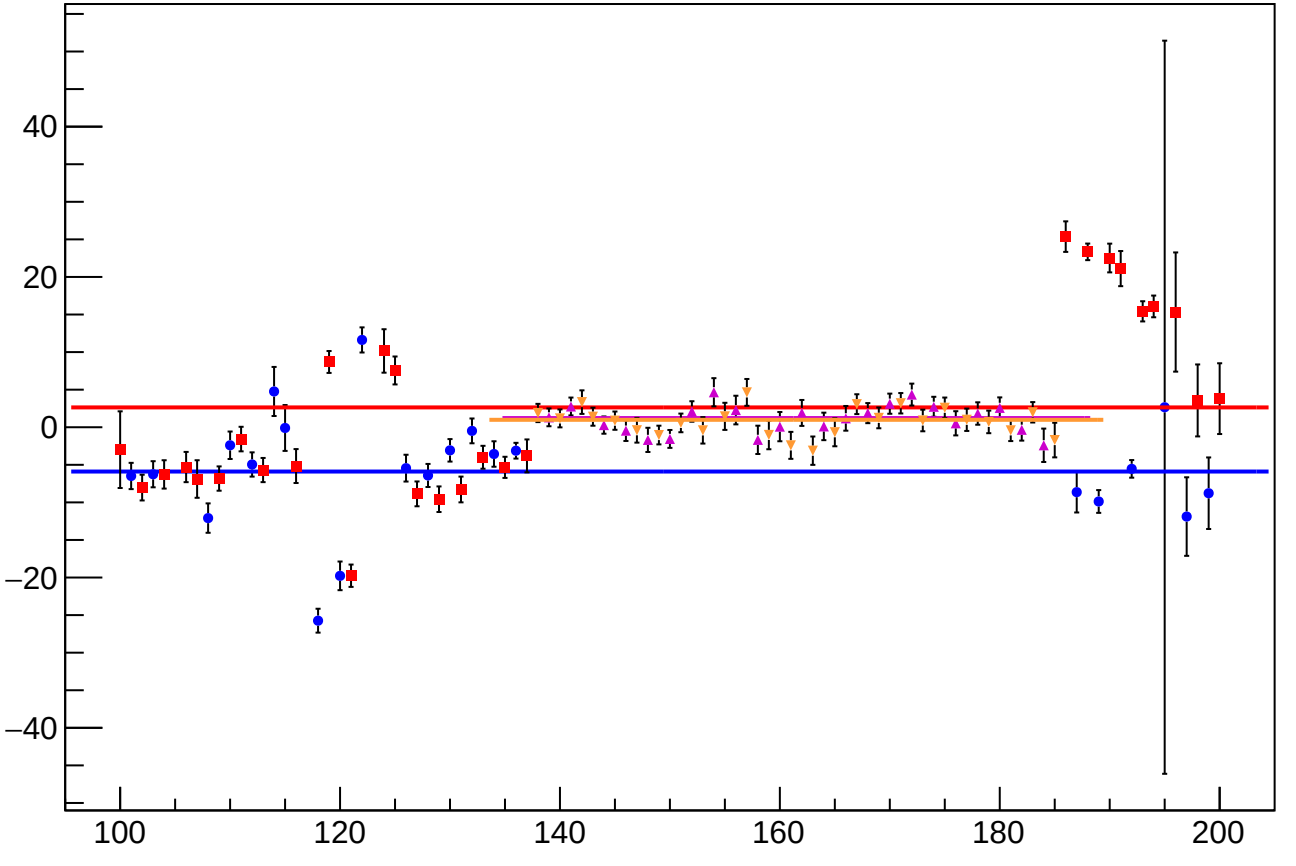
Right: 6814.805+/-1.021 χ^2/NDF: 4374163.8/49

In: 7597.766+/-1.018 χ^2/NDF:3392201.6/44

Out: 7399.050+/-0.940 χ^2/NDF:2469691.5/52

All: 7490.464+/-0.691 χ^2/NDF: 5882448.7/97

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.895+/-0.377 χ^2/NDF: 380.4/21

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

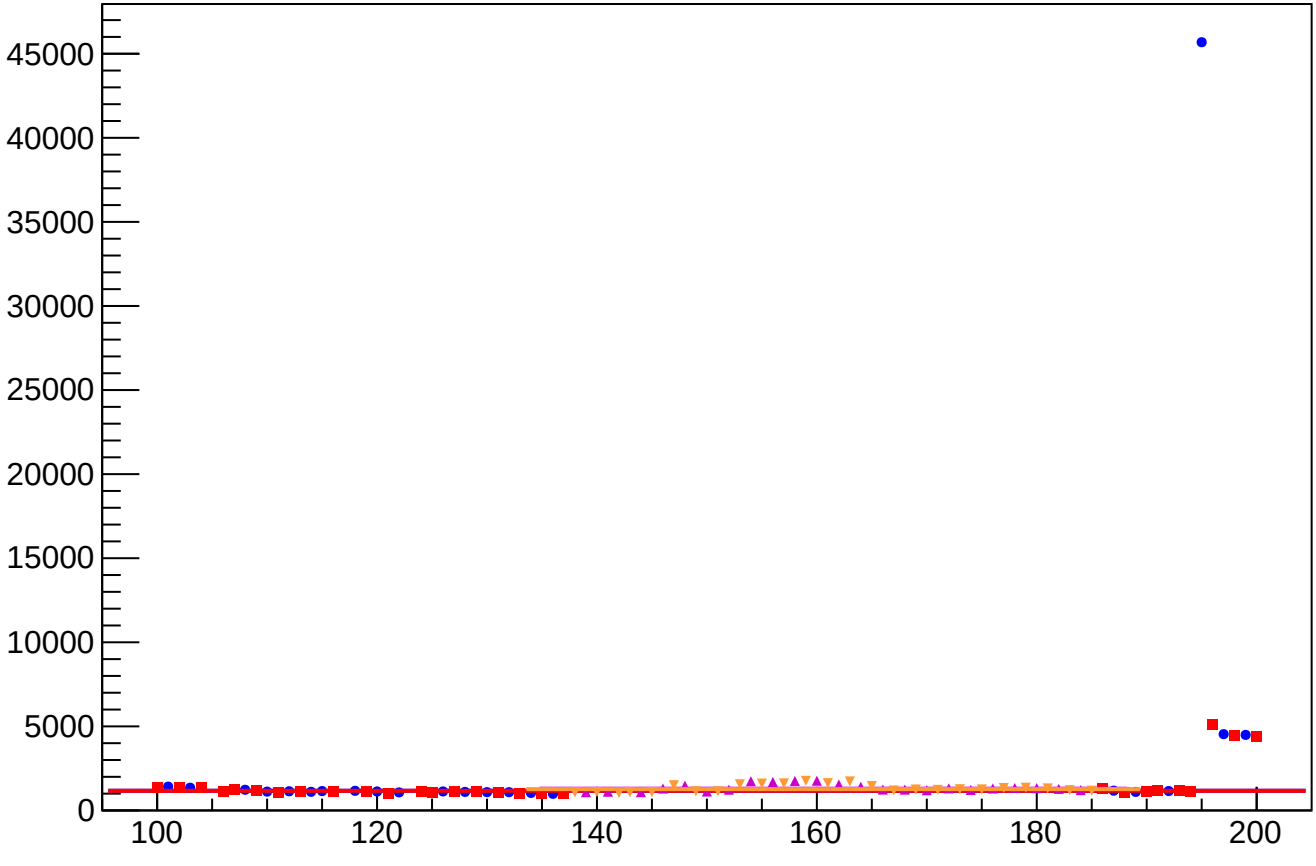
Right: -1.199+/-0.253 χ^2/NDF: 2120.7/49

In: -1.610+/-0.238 χ^2/NDF:627.7/44

Out: 1.687+/-0.222 χ^2/NDF:1503.2/52

All: 0.153+/-0.162 χ^2/NDF: 2233.6/97

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1171.146+/-0.267 χ^2/NDF: 3636516.4/21

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

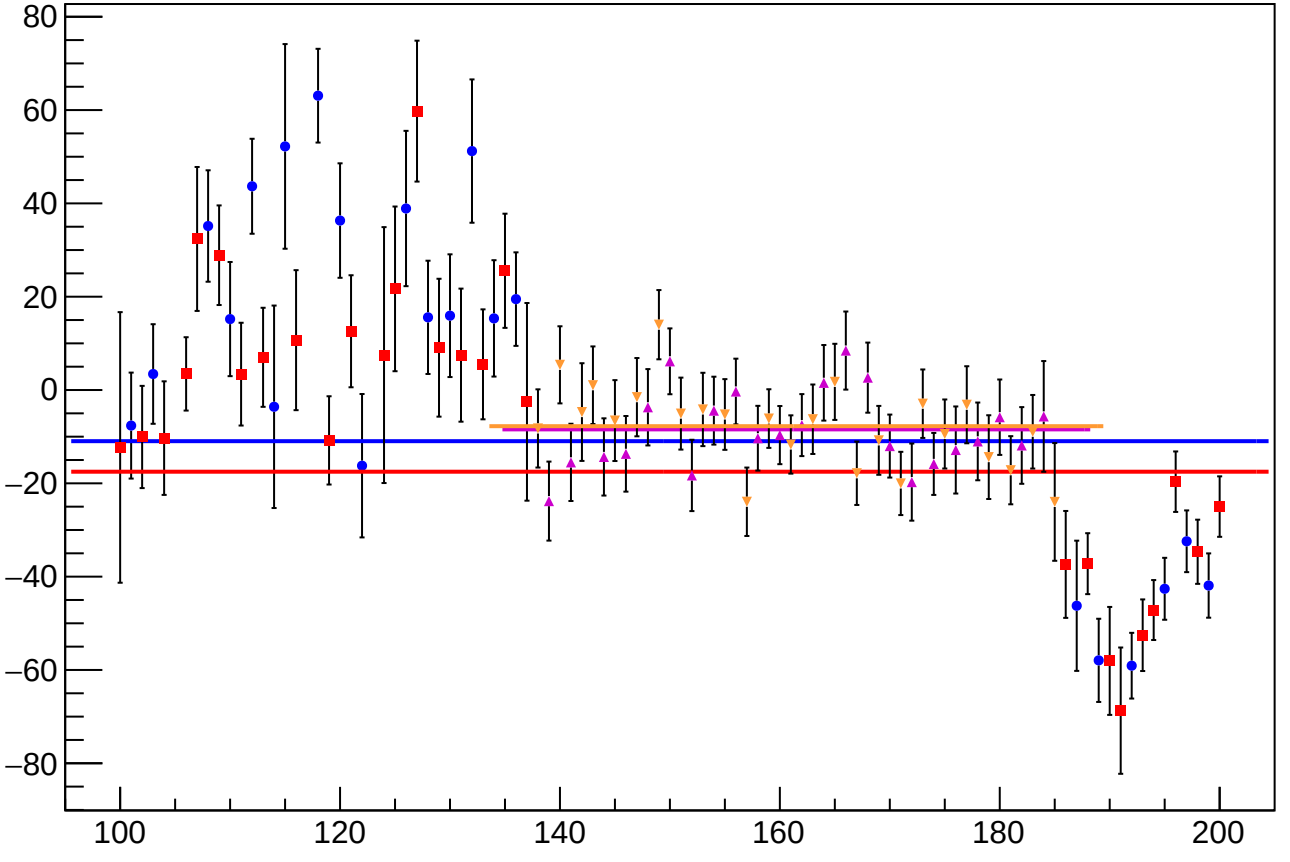
Right: 1169.891+/-0.179 χ^2/NDF: 6204710.7/49

In: 1245.183+/-0.168 χ^2/NDF:4522611.0/44

Out: 1225.664+/-0.157 χ^2/NDF:3542831.0/52

All: 1234.747+/-0.115 χ^2/NDF: 8072639.2/97

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -10.964+/-2.202 χ^2/NDF: 310.2/21

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

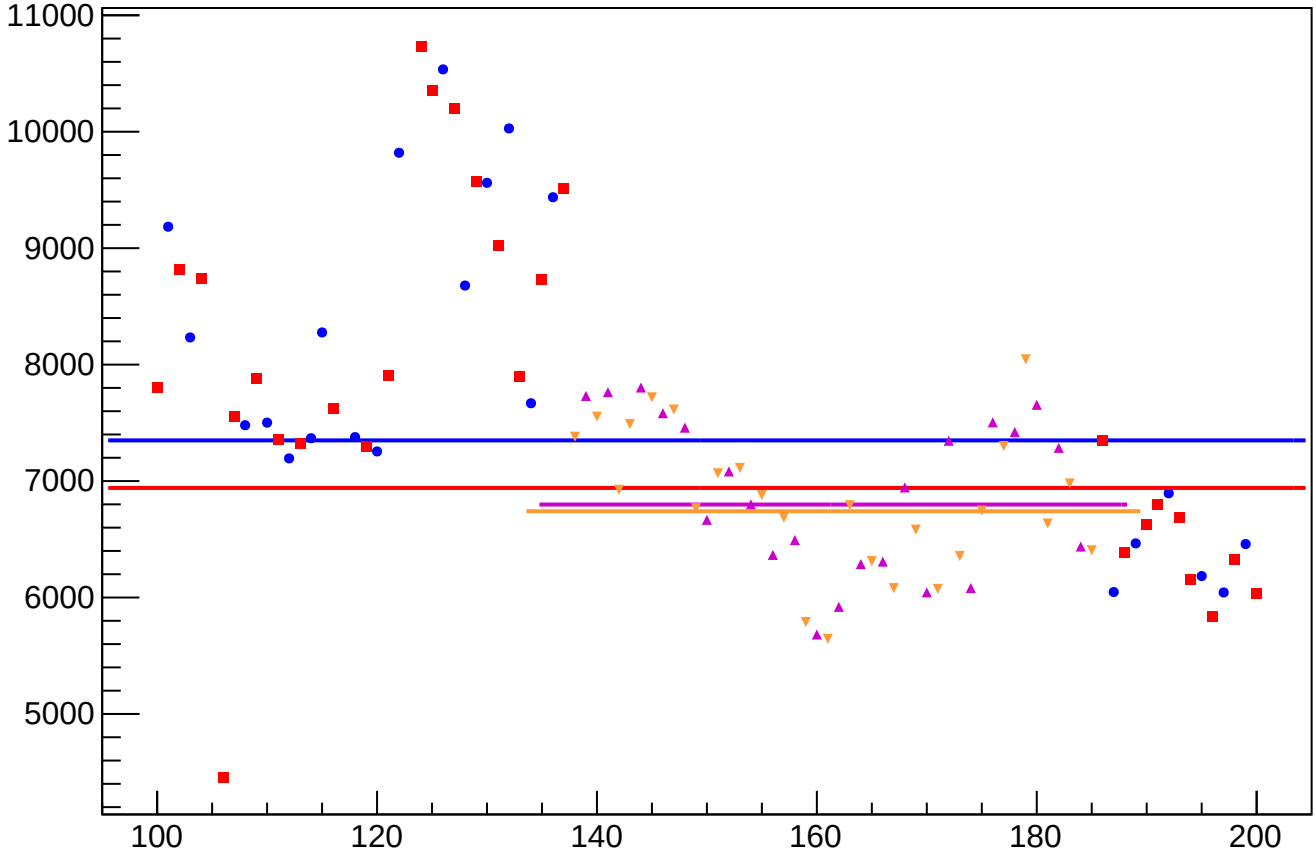
Right: -14.697+/-1.444 χ^2/NDF: 515.3/49

In: -9.314+/-1.297 χ^2/NDF:335.8/44

Out: -11.612+/-1.202 χ^2/NDF:246.2/52

All: -10.550+/-0.882 χ^2/NDF: 583.8/97

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7349.413+/-1.557 χ^2/NDF: 643523.9/21

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

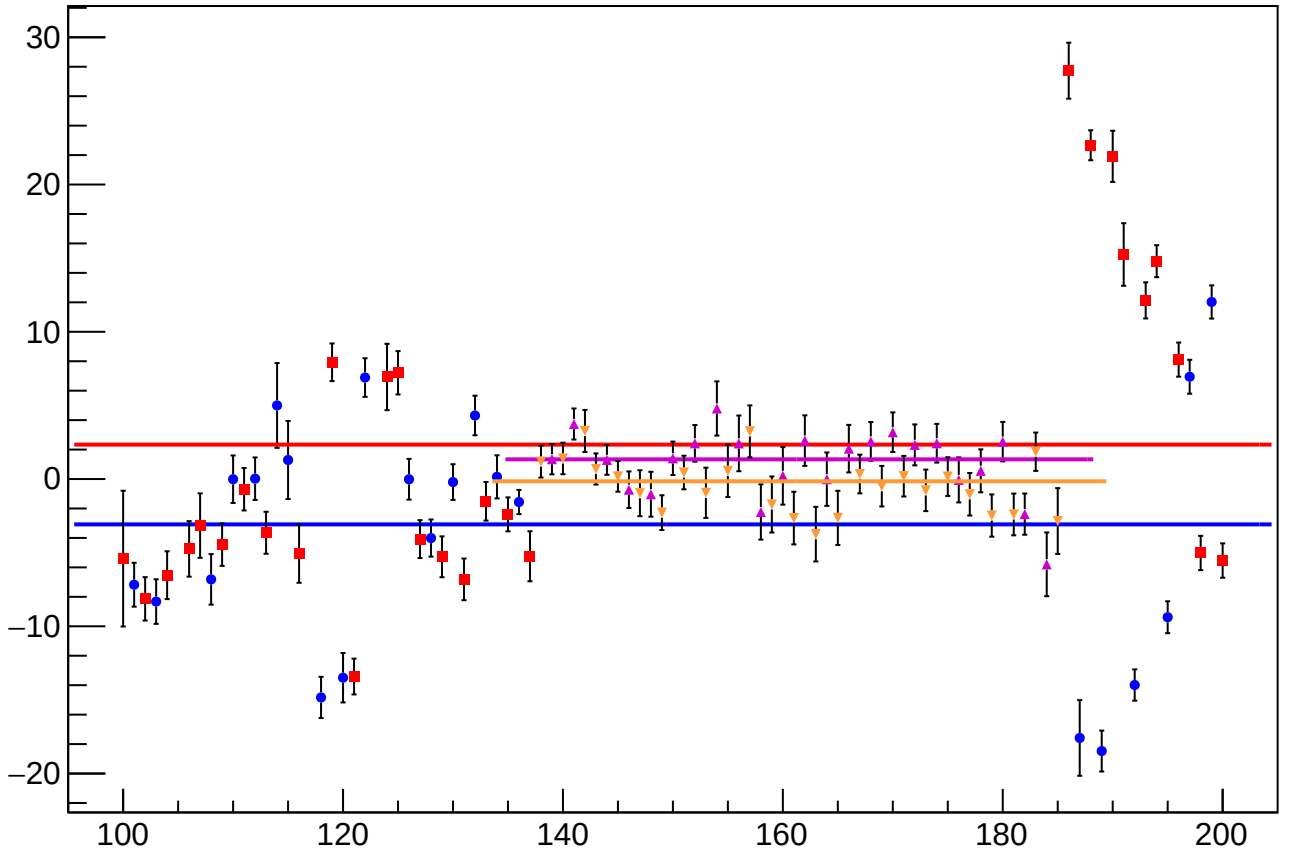
Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

Right: 7116.459+/-1.021 χ^2/NDF: 1592275.6/49

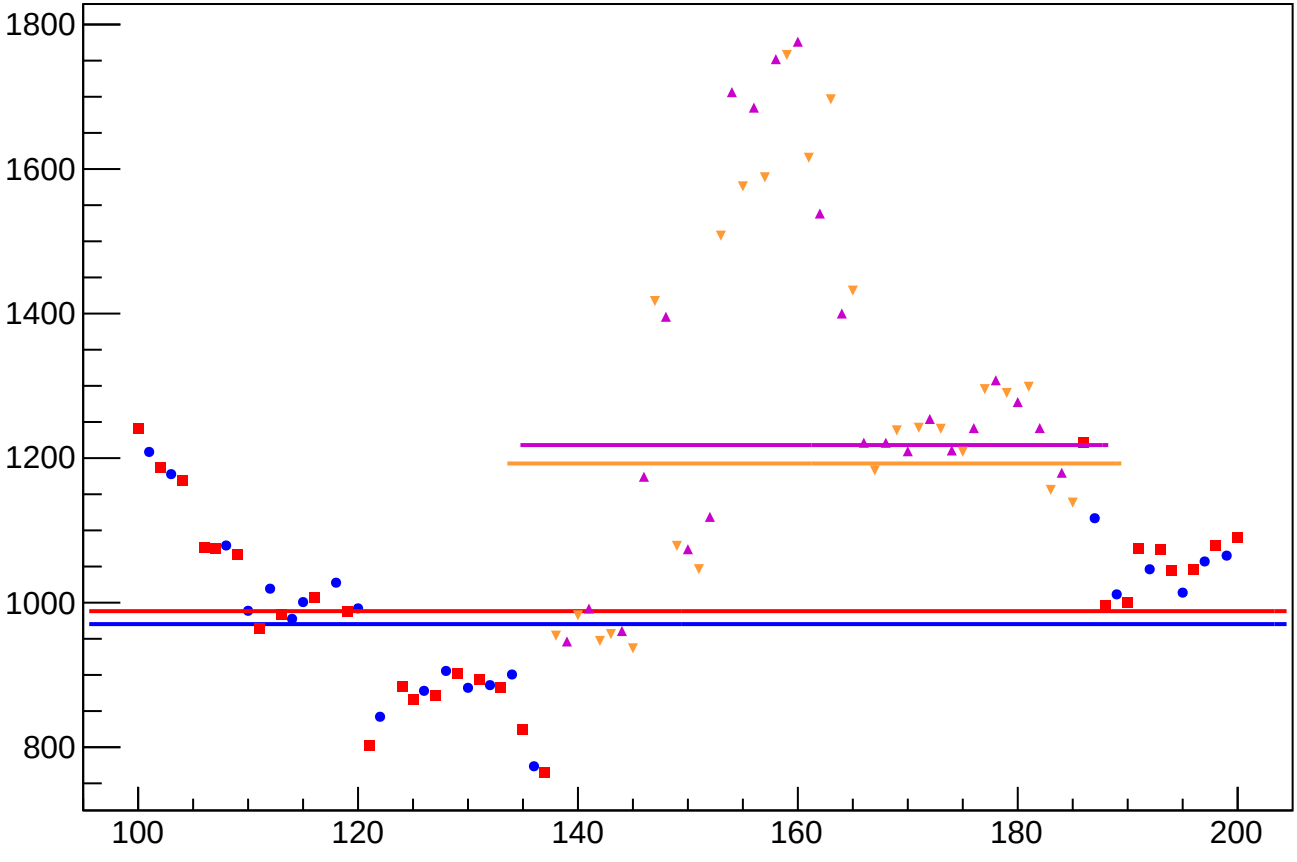
In: 6989.545+/-0.917 χ^2/NDF:1078539.0/44

Out: 6819.999+/-0.850 χ^2/NDF:1239473.5/52

All: 6898.368+/-0.623 χ^2/NDF: 2336393.5/97


diff_bpm0l10Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.079+/-0.288 χ²/NDF: 809.1/21
Left Out: -0.152+/-0.277 χ²/NDF:36.1/24
Right Out: 2.338+/-0.269 χ²/NDF: 1553.8/27
Left In: 1.337+/-0.290 χ²/NDF:44.0/22
Left: 0.557+/-0.200 χ²/NDF: 93.9/47
Right: -0.186+/-0.196 χ²/NDF: 2552.4/49
In: -0.891+/-0.204 χ²/NDF:970.0/44
Out: 1.130+/-0.193 χ²/NDF:1631.6/52
All: 0.178+/-0.140 χ²/NDF: 2653.3/97

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 970.331+/-0.203 χ^2/NDF: 321883.8/21

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

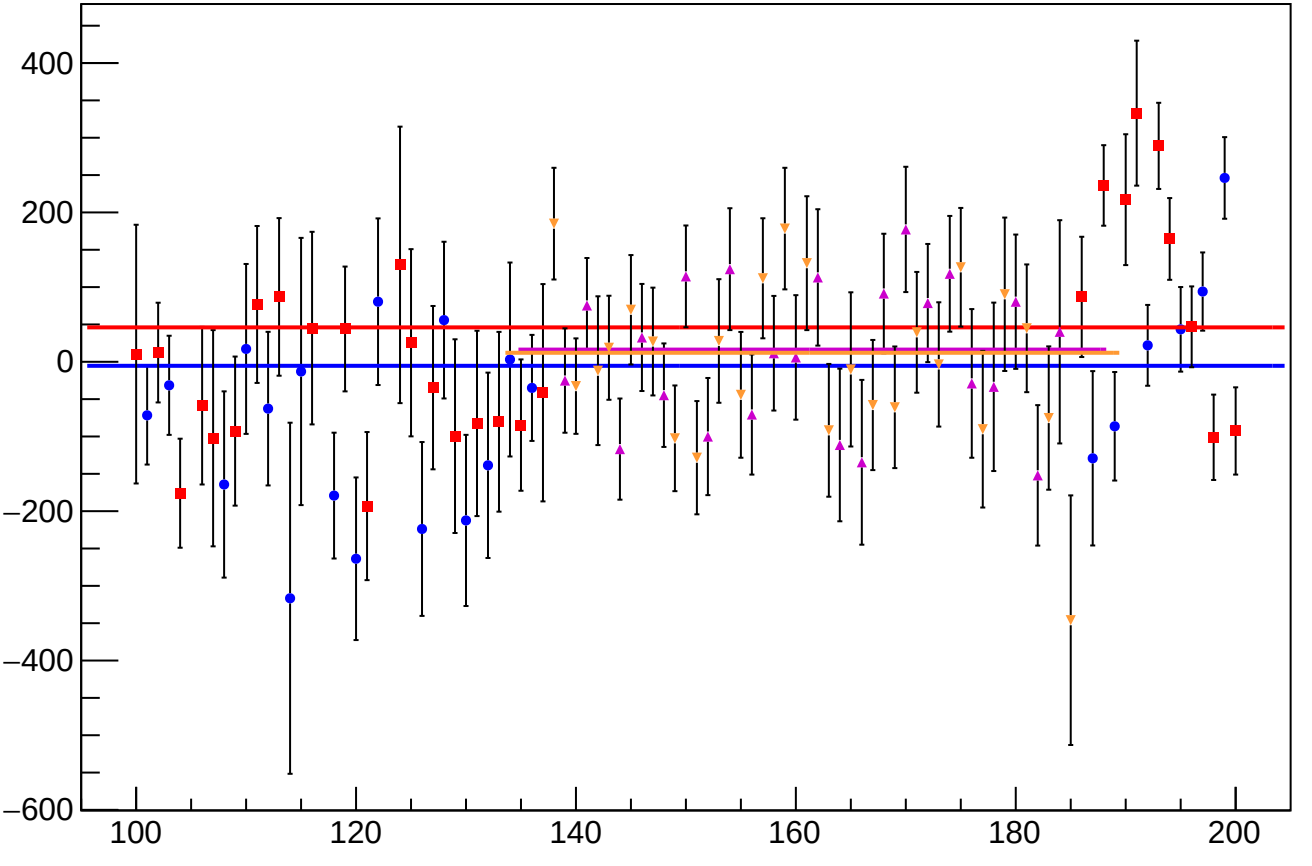
Right: 979.904+/-0.139 χ^2/NDF: 675267.3/49

In: 1093.083+/-0.144 χ^2/NDF:2185246.6/44

Out: 1087.380+/-0.136 χ^2/NDF:2230882.8/52

All: 1090.066+/-0.099 χ^2/NDF: 4416954.2/97

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -5.373+/-17.602 χ^2/NDF: 52.0/21

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

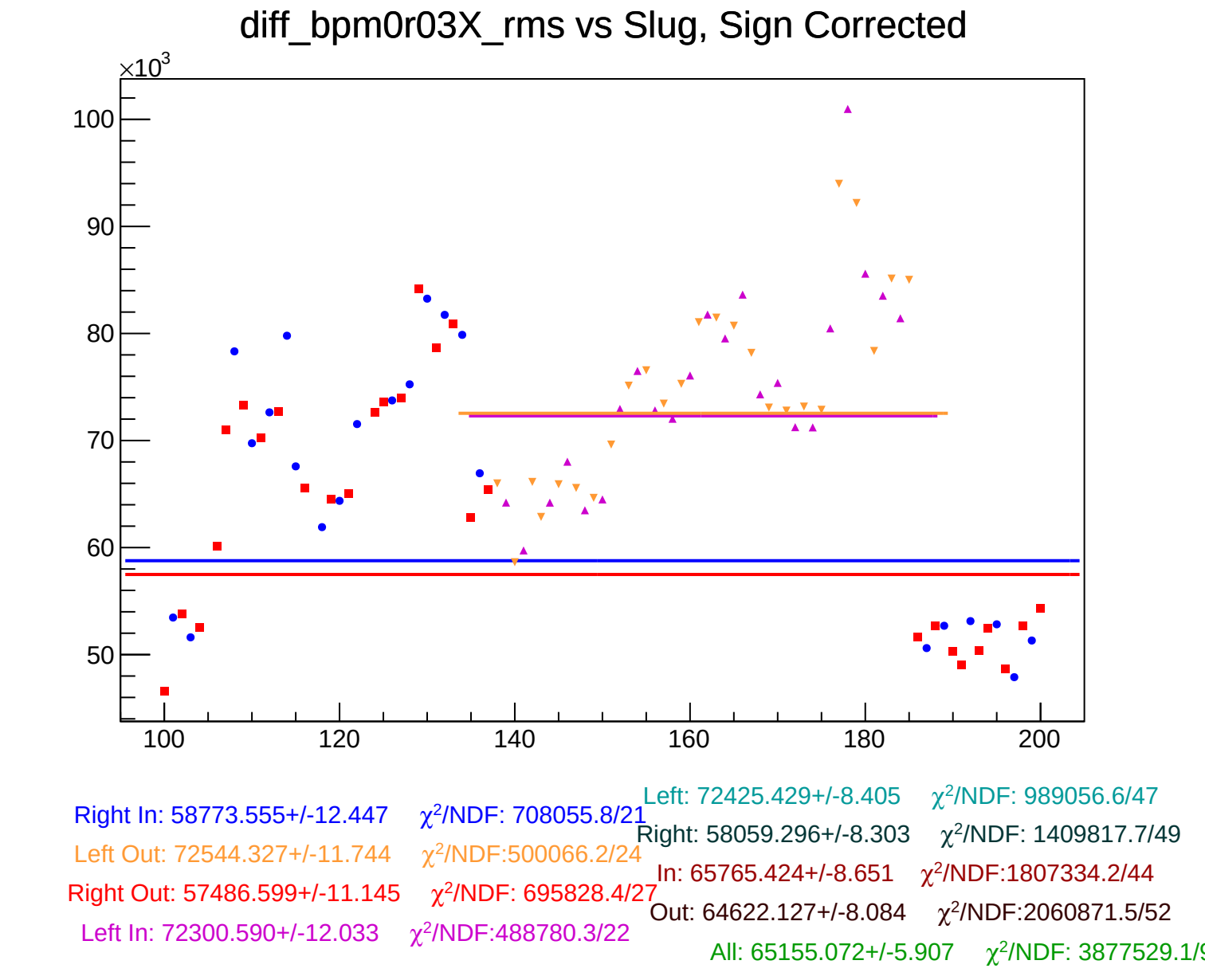
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 23.187+/-11.742 χ^2/NDF: 143.0/49

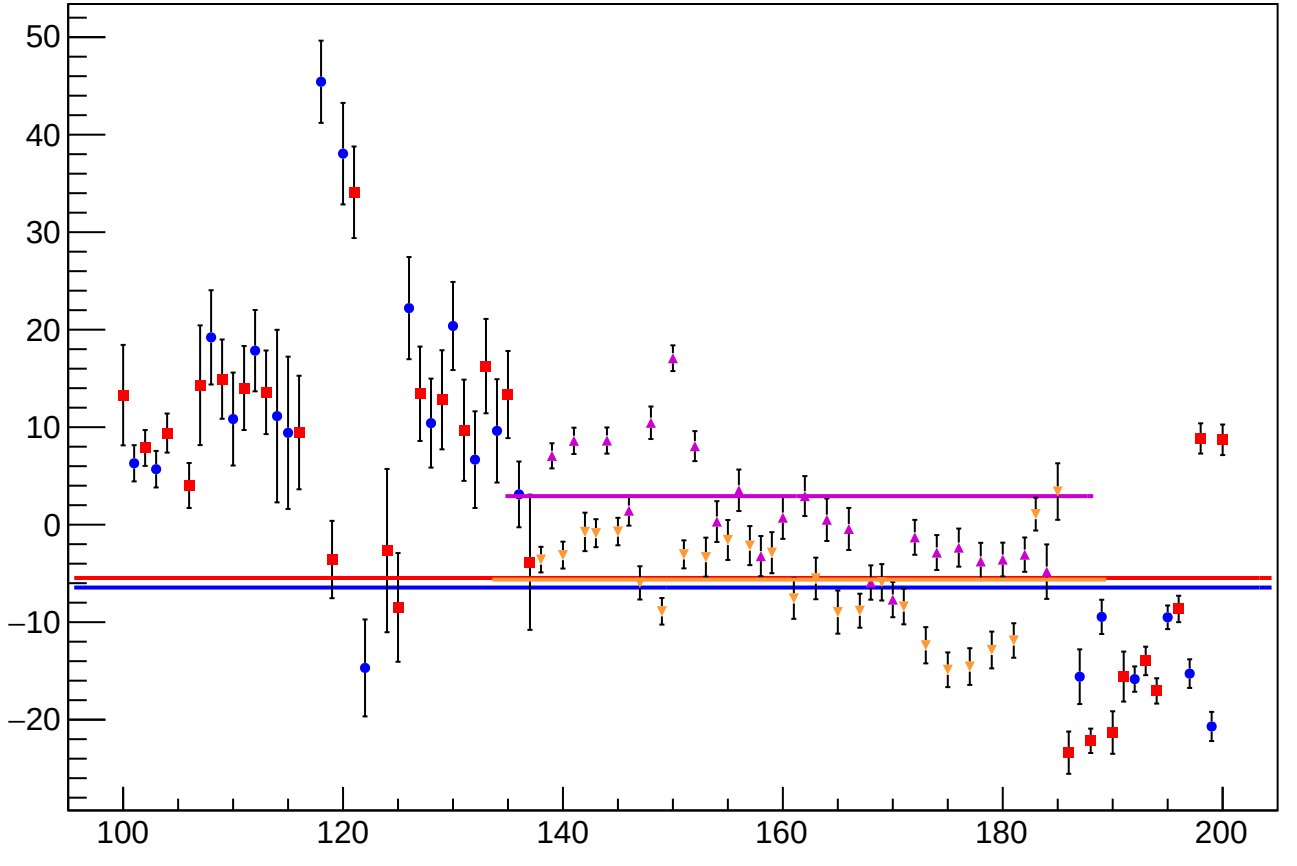
In: 5.849+/-12.235 χ^2/NDF:81.5/44

Out: 29.972+/-11.433 χ^2/NDF:121.3/52

All: 18.727+/-8.353 χ^2/NDF: 204.9/97


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 58773.555+/-12.447 χ²/NDF: 708055.8/21
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: 58059.296+/-8.303 χ²/NDF: 1409817.7/49
In: 65765.424+/-8.651 χ²/NDF:1807334.2/44
Out: 64622.127+/-8.084 χ²/NDF:2060871.5/52
All: 65155.072+/-5.907 χ²/NDF: 3877529.1/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -6.447+/-0.512 χ^2/NDF: 701.7/21

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

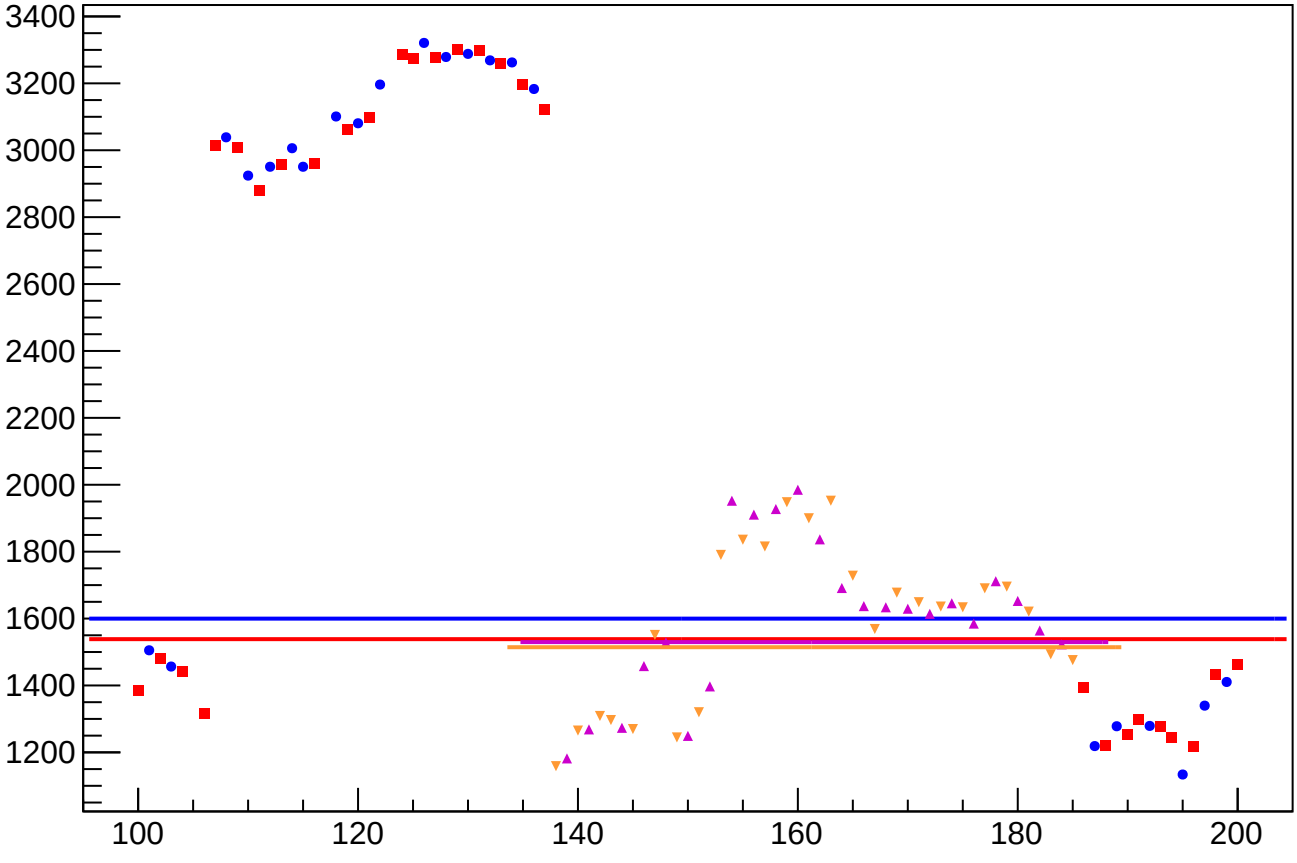
Right: -5.890+/-0.336 χ^2/NDF: 1672.2/49

In: -0.200+/-0.296 χ^2/NDF:1262.6/44

Out: -5.572+/-0.275 χ^2/NDF:1146.7/52

All: -3.082+/-0.201 χ^2/NDF: 2586.4/97

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1599.792+/-0.362 χ^2/NDF: 3536668.7/21

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

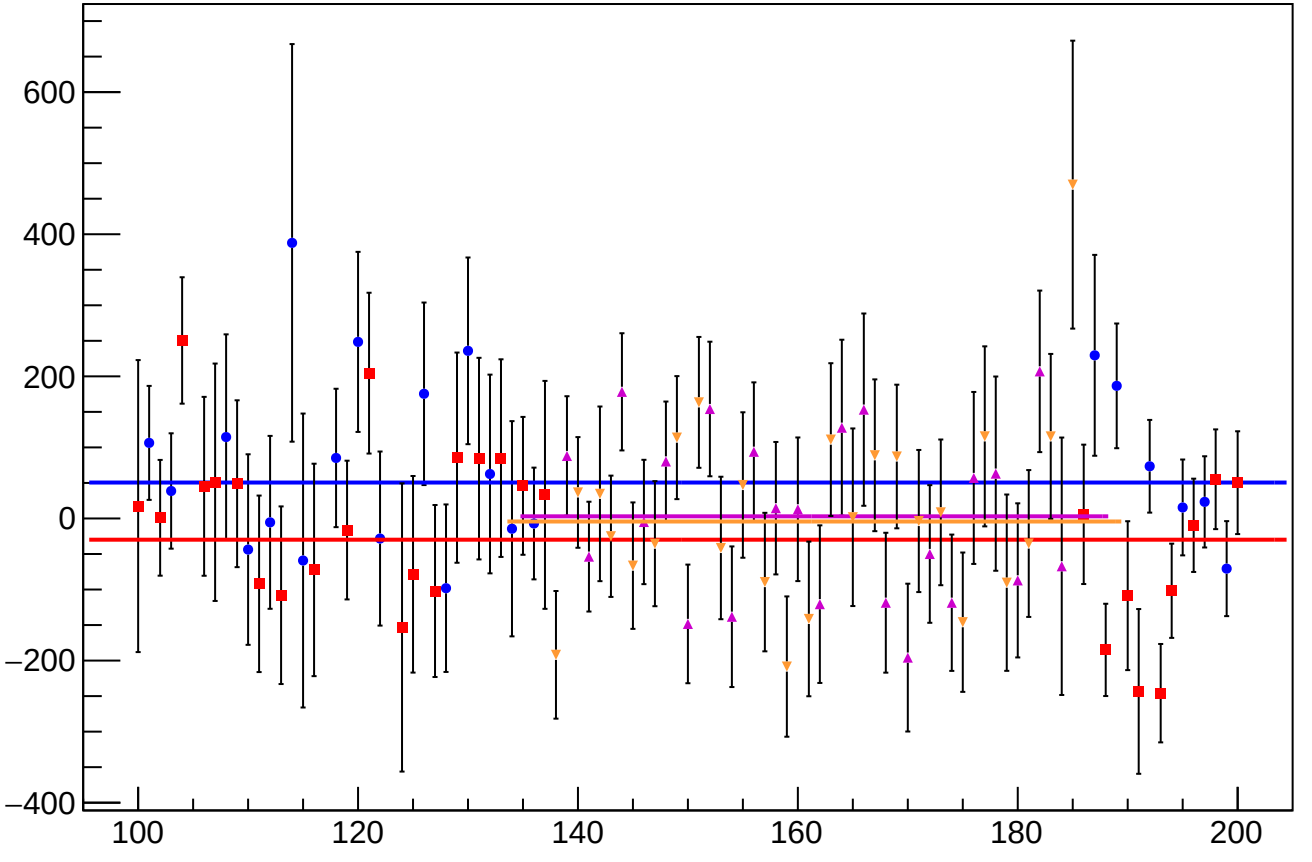
Right: 1564.895+/-0.238 χ^2/NDF: 7129392.2/49

In: 1553.043+/-0.209 χ^2/NDF:4390176.6/44

Out: 1523.496+/-0.194 χ^2/NDF:4513344.6/52

All: 1537.188+/-0.142 χ^2/NDF: 8914234.8/97

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 50.568+/-20.865 χ^2/NDF: 19.2/21

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

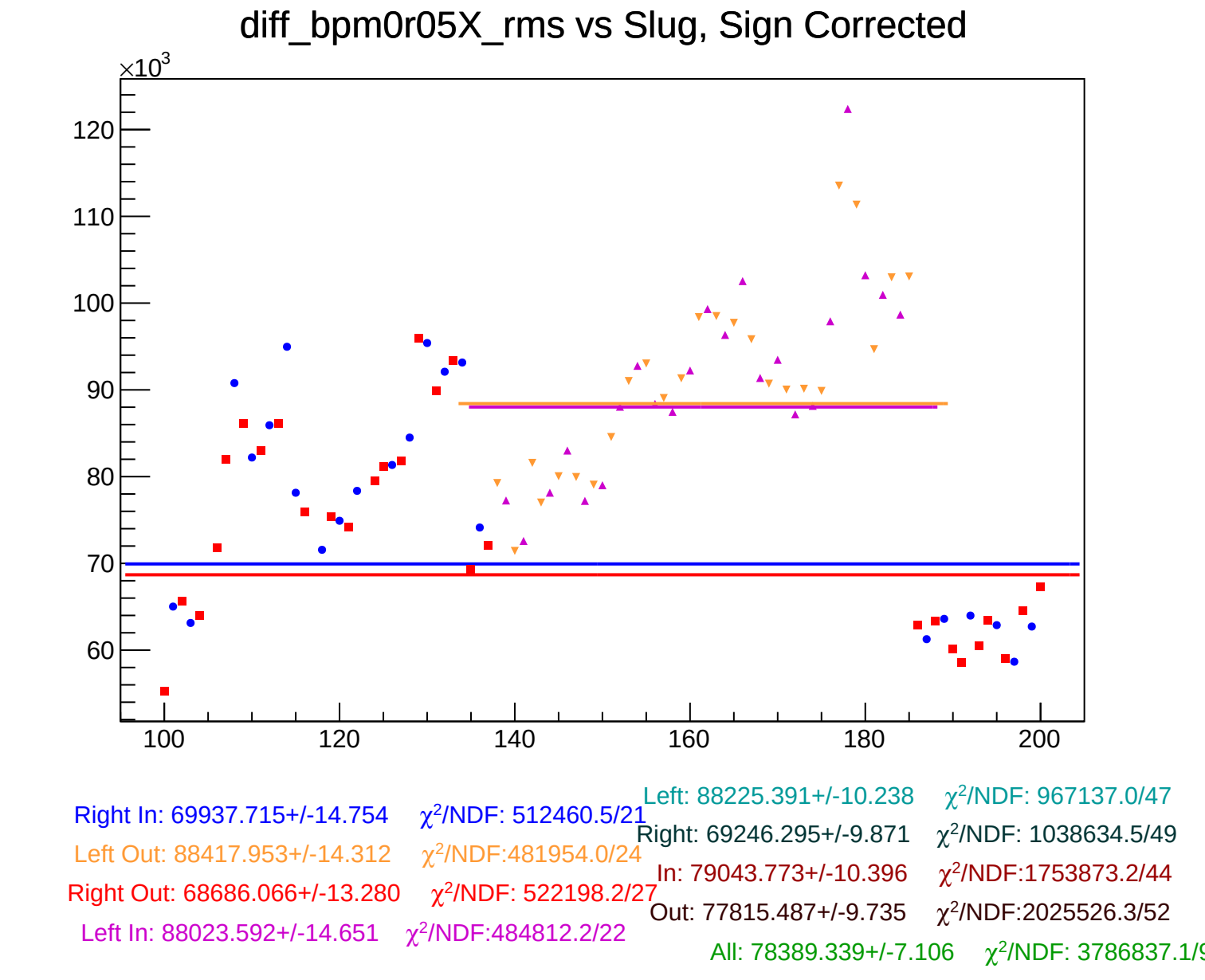
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 6.129+/-13.959 χ^2/NDF: 70.7/49

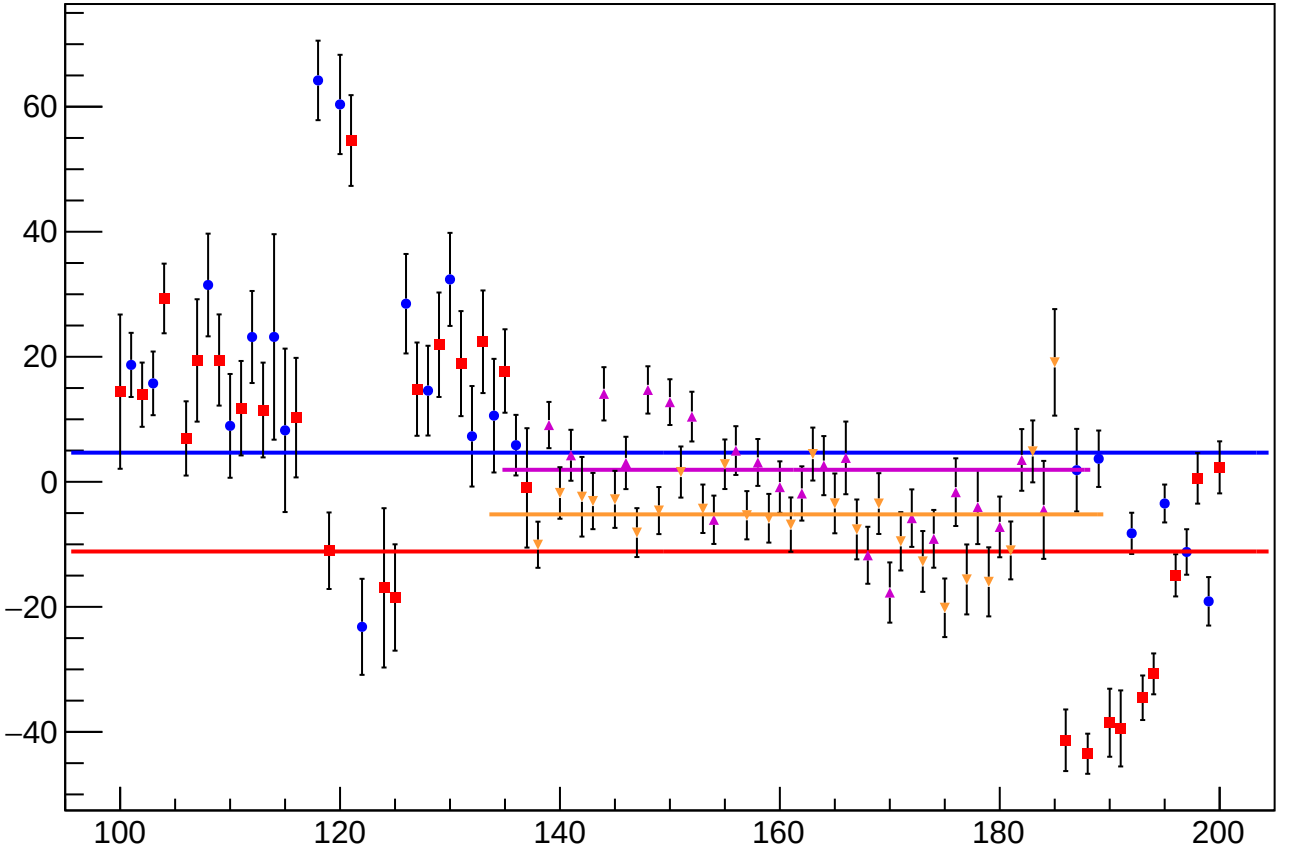
In: 26.626+/-14.702 χ^2/NDF:52.6/44

Out: -18.032+/-13.767 χ^2/NDF:74.6/52

All: 2.832+/-10.049 χ^2/NDF: 132.1/97


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 69937.715+/-14.754 χ²/NDF: 512460.5/21
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: 69246.295+/-9.871 χ²/NDF: 1038634.5/49
In: 79043.773+/-10.396 χ²/NDF:1753873.2/44
Out: 77815.487+/-9.735 χ²/NDF:2025526.3/52
All: 78389.339+/-7.106 χ²/NDF: 3786837.1/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 4.665+/-1.170 χ^2/NDF: 285.7/21

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

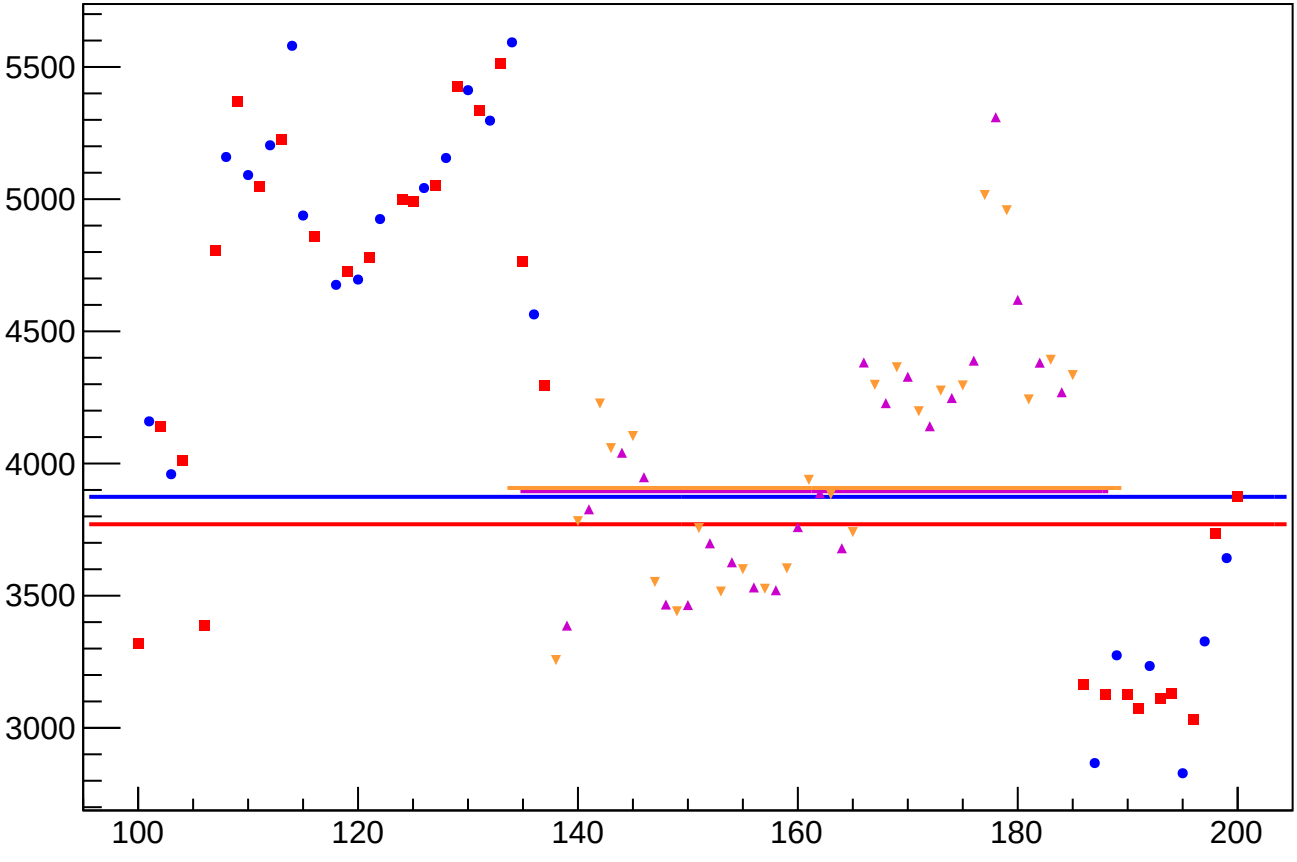
Right: -4.143+/-0.779 χ^2/NDF: 973.4/49

In: 2.965+/-0.721 χ^2/NDF:372.3/44

Out: -7.719+/-0.679 χ^2/NDF:655.8/52

All: -2.702+/-0.494 χ^2/NDF: 1144.4/97

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3873.938+/-0.828 χ^2/NDF: 1104181.5/21

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

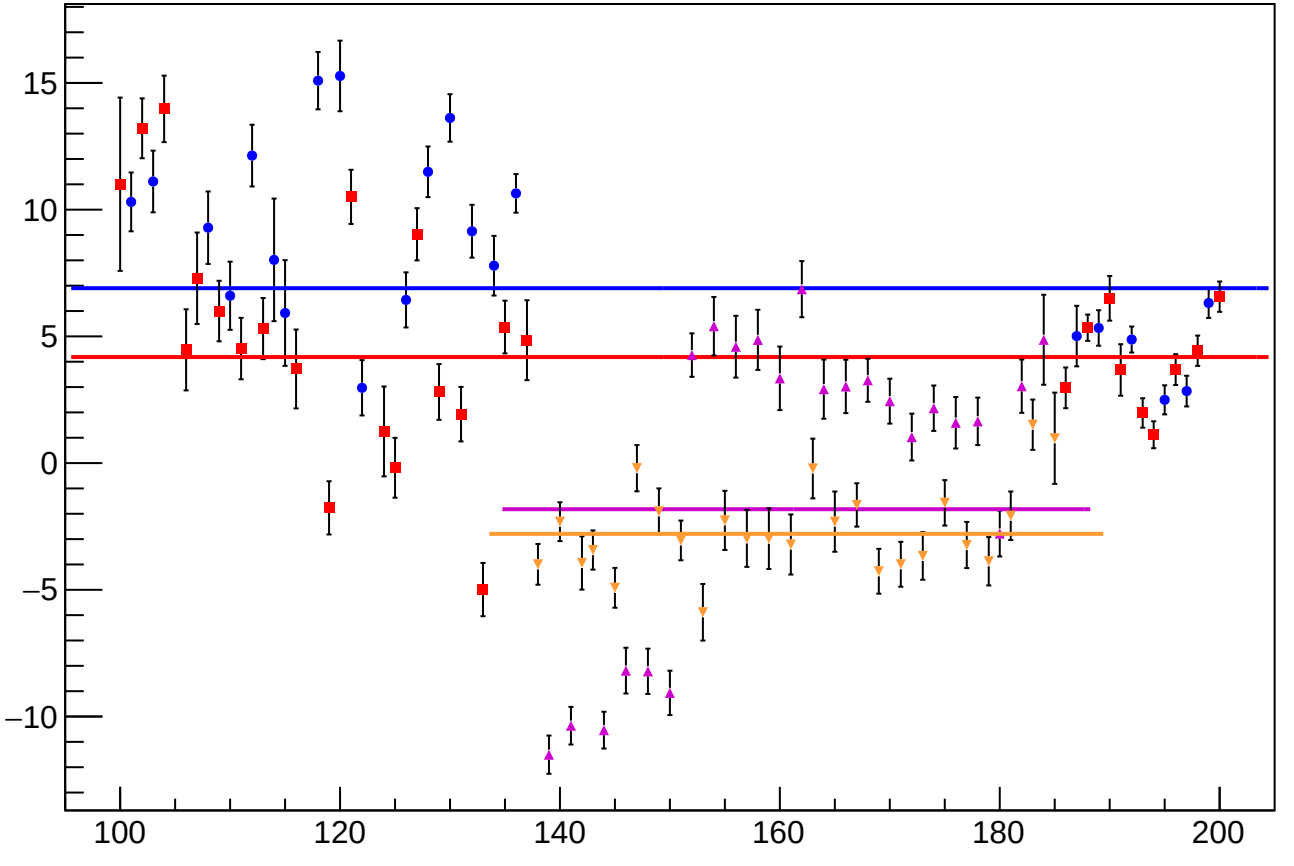
Right: 3816.153+/-0.551 χ^2/NDF: 2315281.7/49

In: 3887.063+/-0.510 χ^2/NDF:1514501.1/44

Out: 3849.382+/-0.480 χ^2/NDF:1663507.6/52

All: 3867.076+/-0.350 χ^2/NDF: 3180902.5/97

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 6.901+/-0.192 χ^2/NDF: 373.8/21

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

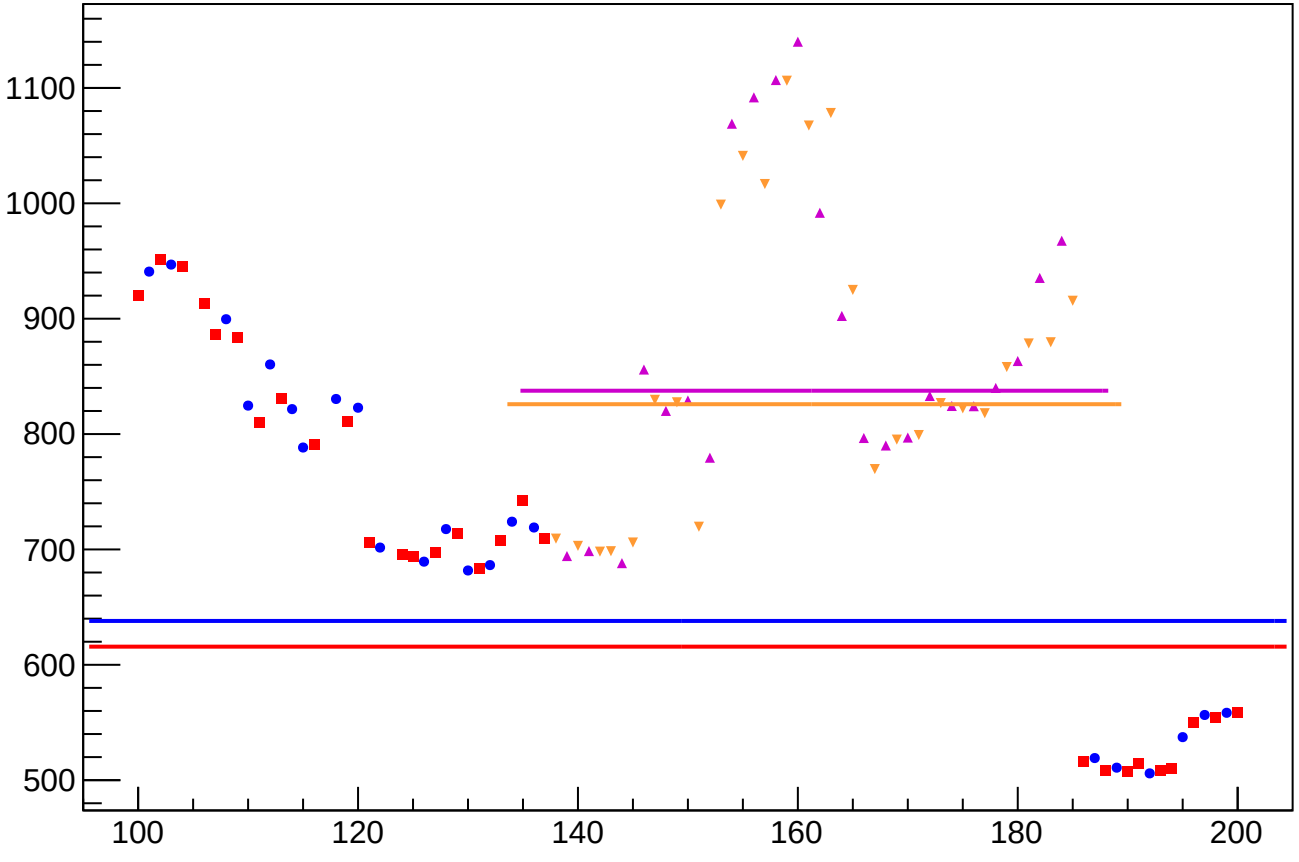
Right: 5.380+/-0.127 χ^2/NDF: 878.9/49

In: 2.682+/-0.138 χ^2/NDF:2399.6/44

Out: 1.082+/-0.127 χ^2/NDF:1209.4/52

All: 1.815+/-0.093 χ^2/NDF: 3682.0/97

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 638.021+/-0.136 χ^2/NDF: 970136.9/21

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

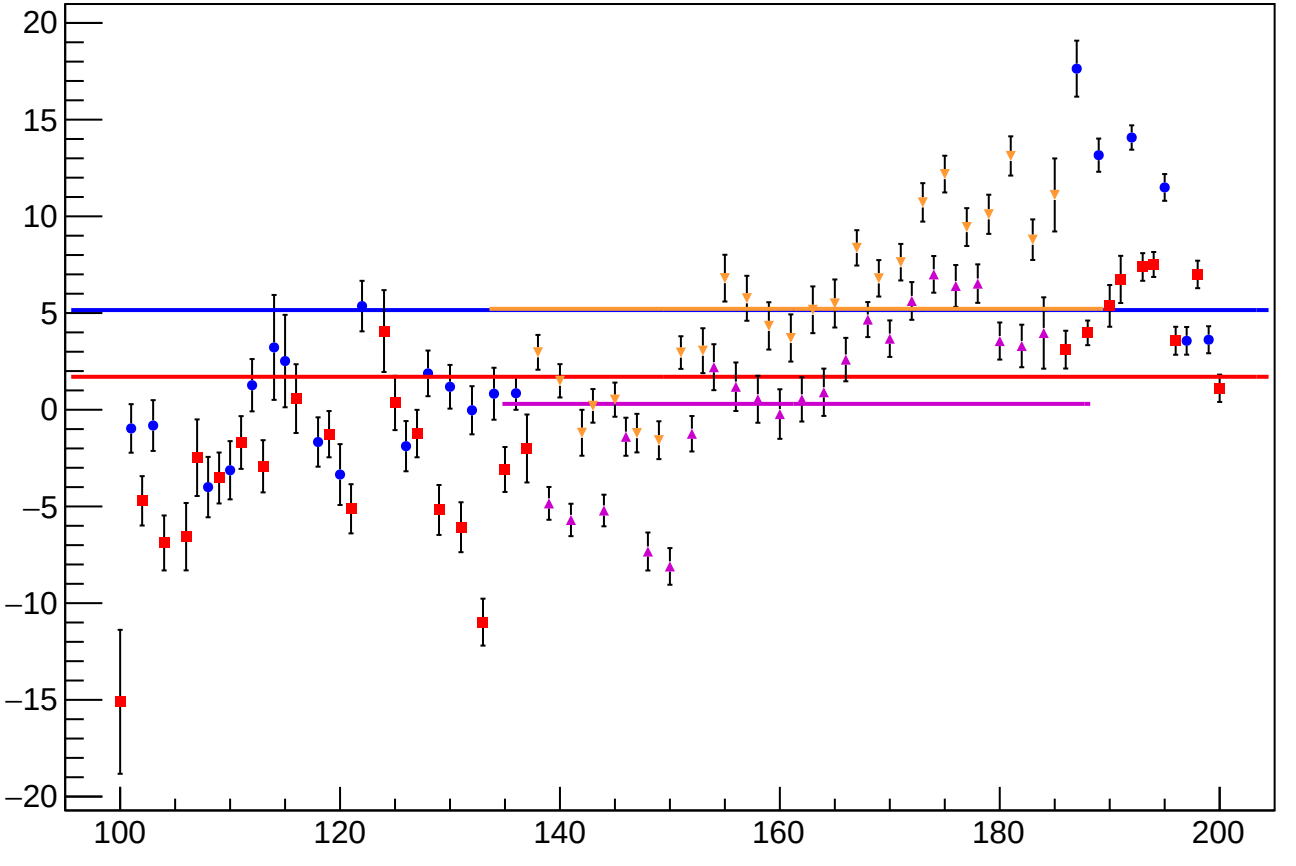
Right: 625.543+/-0.090 χ^2/NDF: 2206010.2/49

In: 734.554+/-0.097 χ^2/NDF:2731211.2/44

Out: 709.169+/-0.090 χ^2/NDF:3343637.0/52

All: 720.799+/-0.066 χ^2/NDF: 6111609.2/97

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 5.154+/-0.226 χ^2/NDF: 735.2/21

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

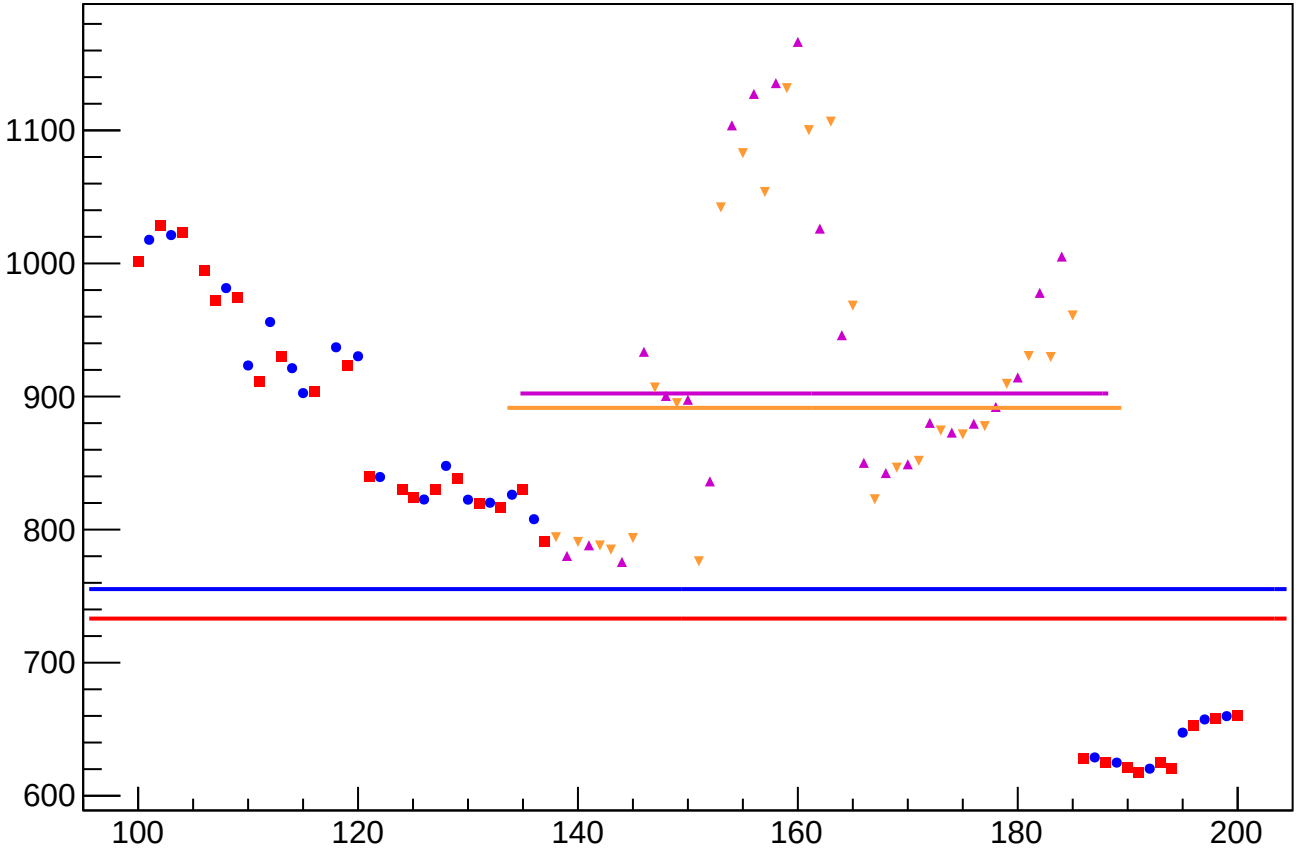
Right: 3.232+/-0.150 χ^2/NDF: 1497.6/49

In: 2.585+/-0.155 χ^2/NDF:1475.0/44

Out: 3.434+/-0.143 χ^2/NDF:1232.4/52

All: 3.042+/-0.105 χ^2/NDF: 2723.6/97

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 755.291+/-0.160 χ^2/NDF: 689239.1/21

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

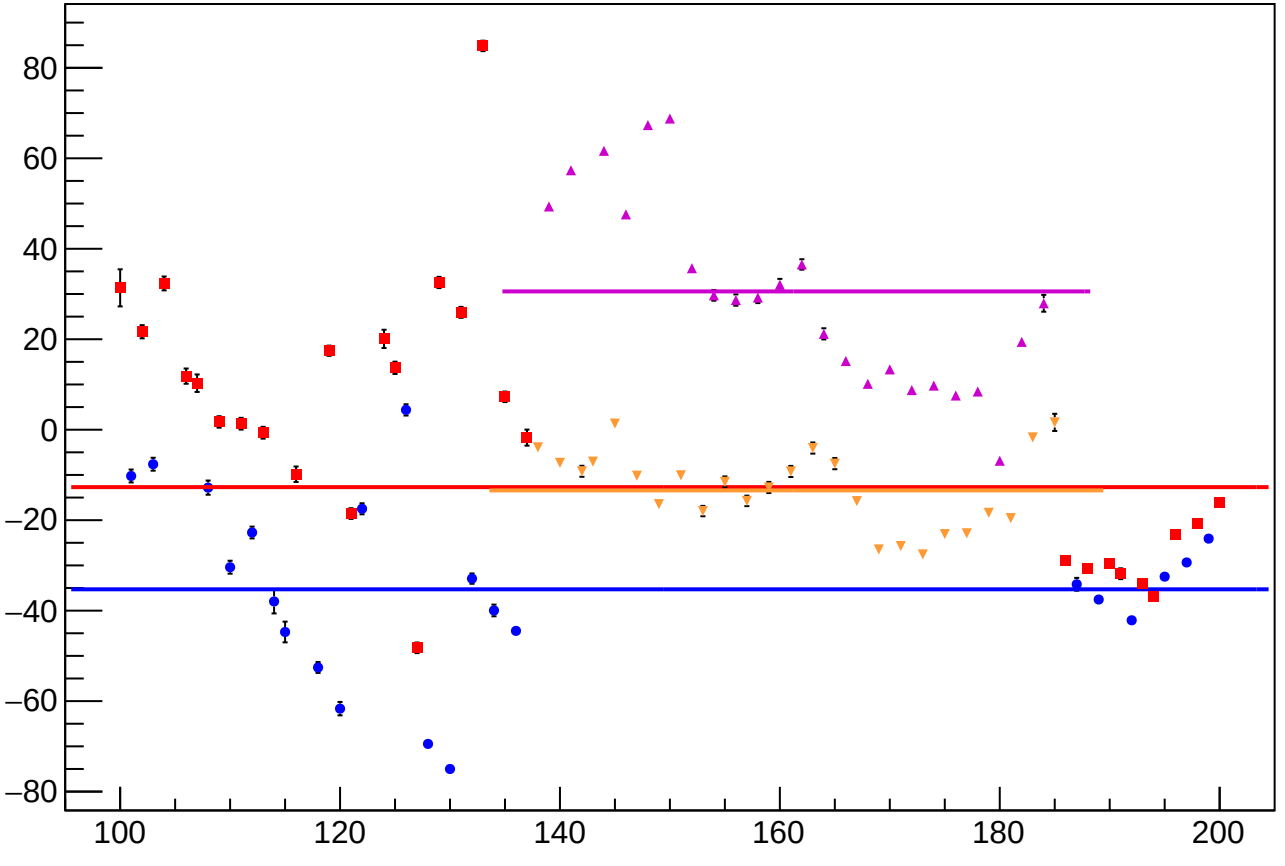
Right: 742.951+/-0.106 χ^2/NDF: 1571444.5/49

In: 833.155+/-0.109 χ^2/NDF:1623623.8/44

Out: 811.072+/-0.101 χ^2/NDF:1999042.5/52

All: 821.270+/-0.074 χ^2/NDF: 3644580.4/97

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -35.284+/-0.221 χ^2/NDF: 5700.6/21

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

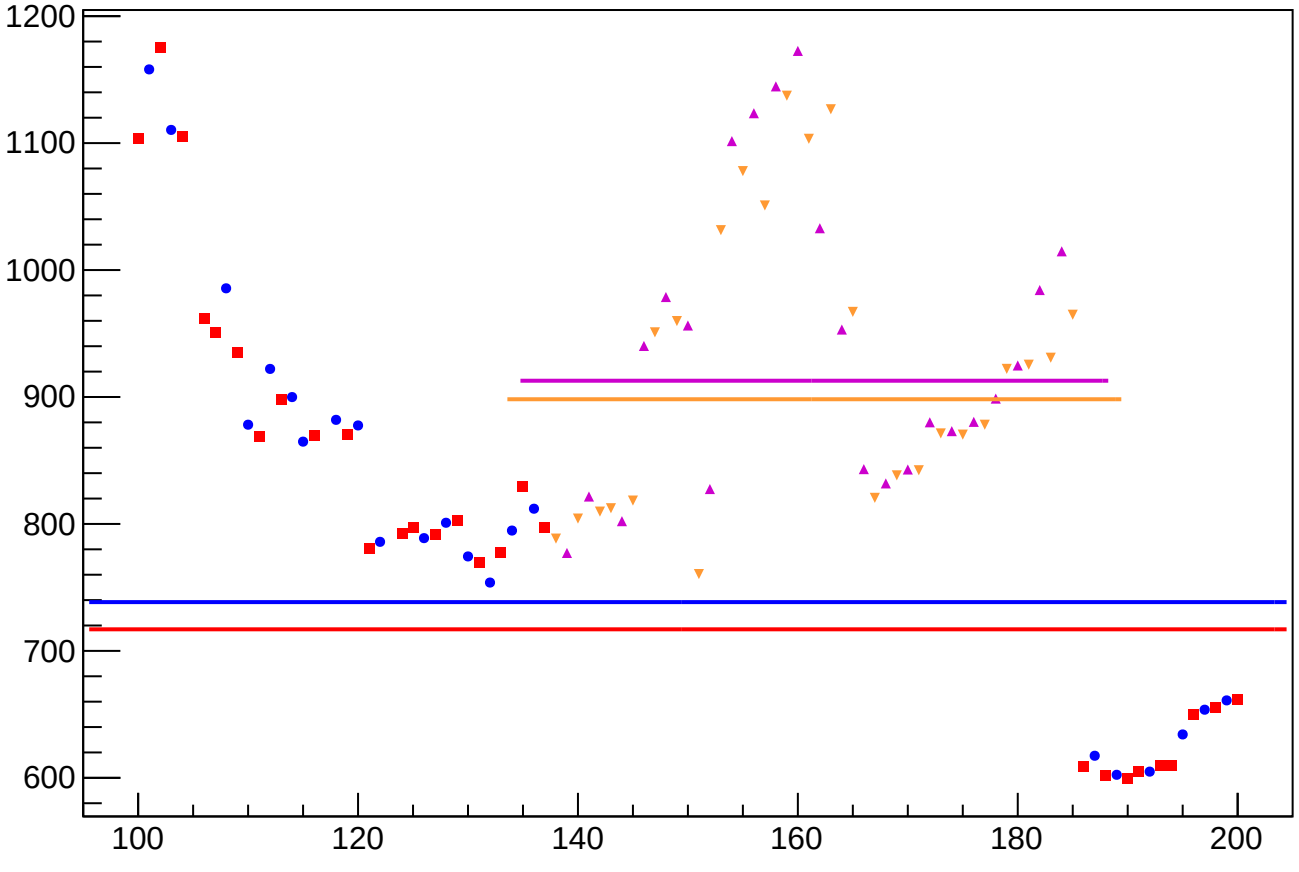
Right: -22.694+/-0.147 χ^2/NDF: 30287.8/49

In: -1.472+/-0.154 χ^2/NDF:61664.1/44

Out: -13.041+/-0.142 χ^2/NDF:20435.6/52

All: -7.717+/-0.105 χ^2/NDF: 85139.0/97

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 738.428+/-0.156 χ^2/NDF: 773717.4/21

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

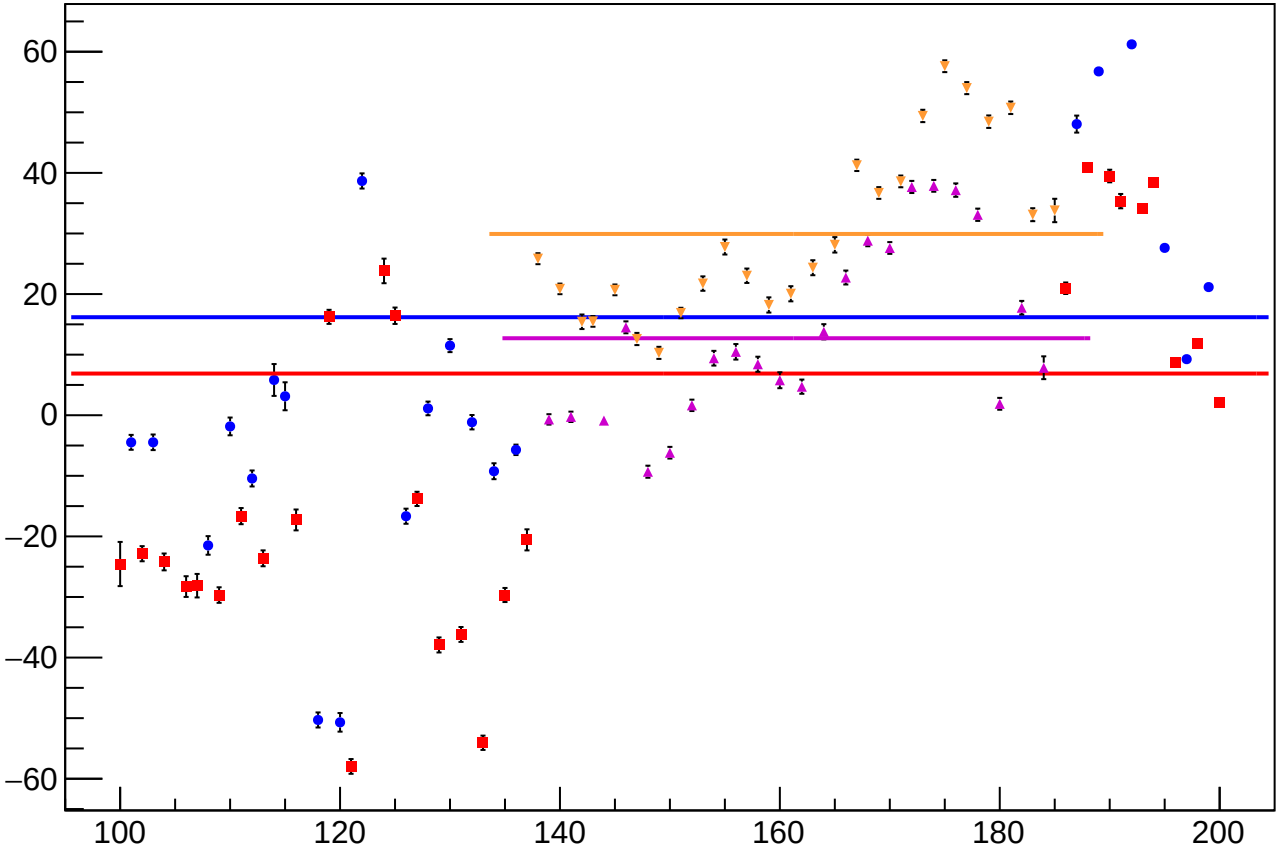
Right: 726.482+/-0.104 χ^2/NDF: 1732369.9/49

In: 827.965+/-0.109 χ^2/NDF:1892928.0/44

Out: 803.583+/-0.101 χ^2/NDF:2275315.7/52

All: 814.803+/-0.074 χ^2/NDF: 4195242.6/97

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 16.179+/-0.219 χ^2/NDF: 17827.3/21

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

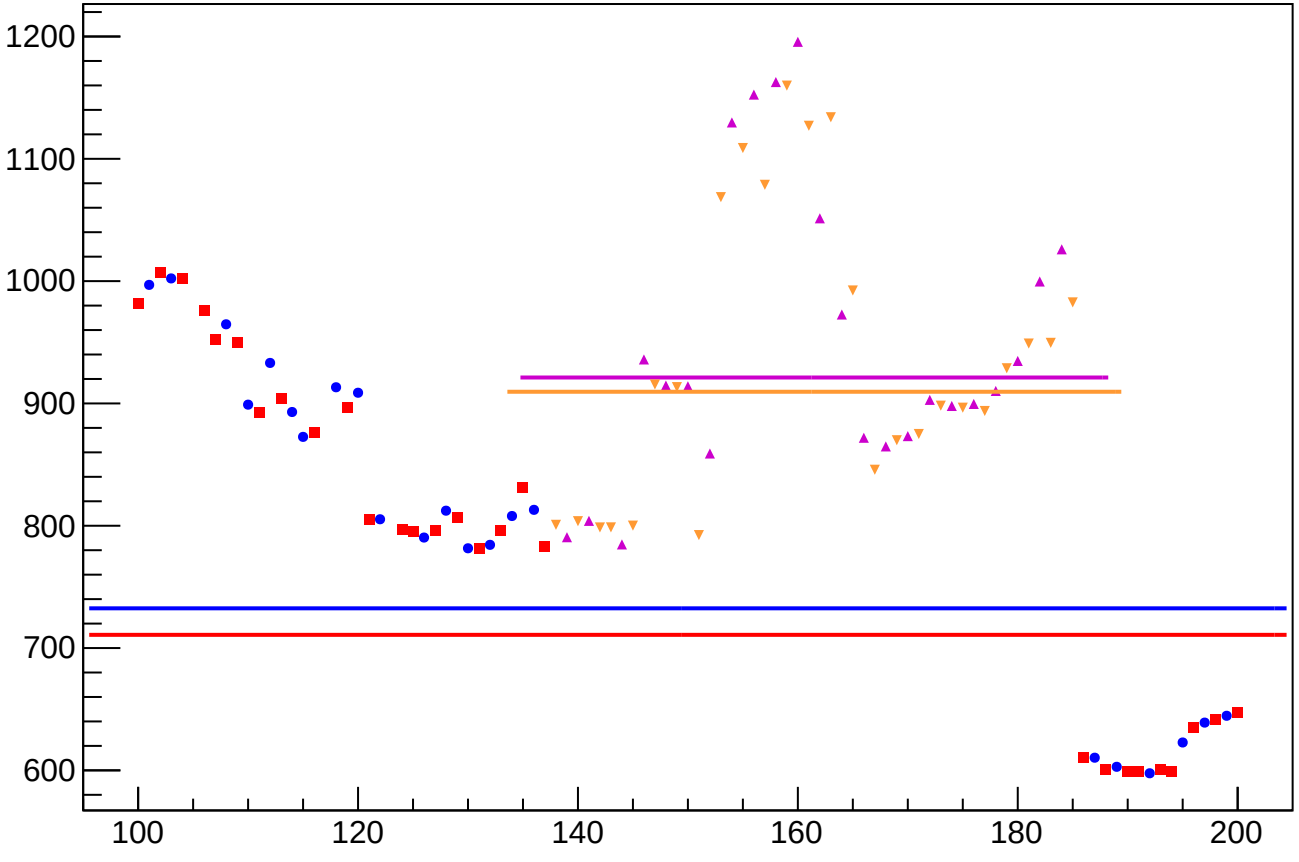
Right: 10.995+/-0.146 χ^2/NDF: 41436.0/49

In: 14.429+/-0.154 χ^2/NDF:22745.2/44

Out: 17.634+/-0.142 χ^2/NDF:33693.1/52

All: 16.158+/-0.105 χ^2/NDF: 56671.4/97

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 732.480+/-0.155 χ^2/NDF: 721273.5/21

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

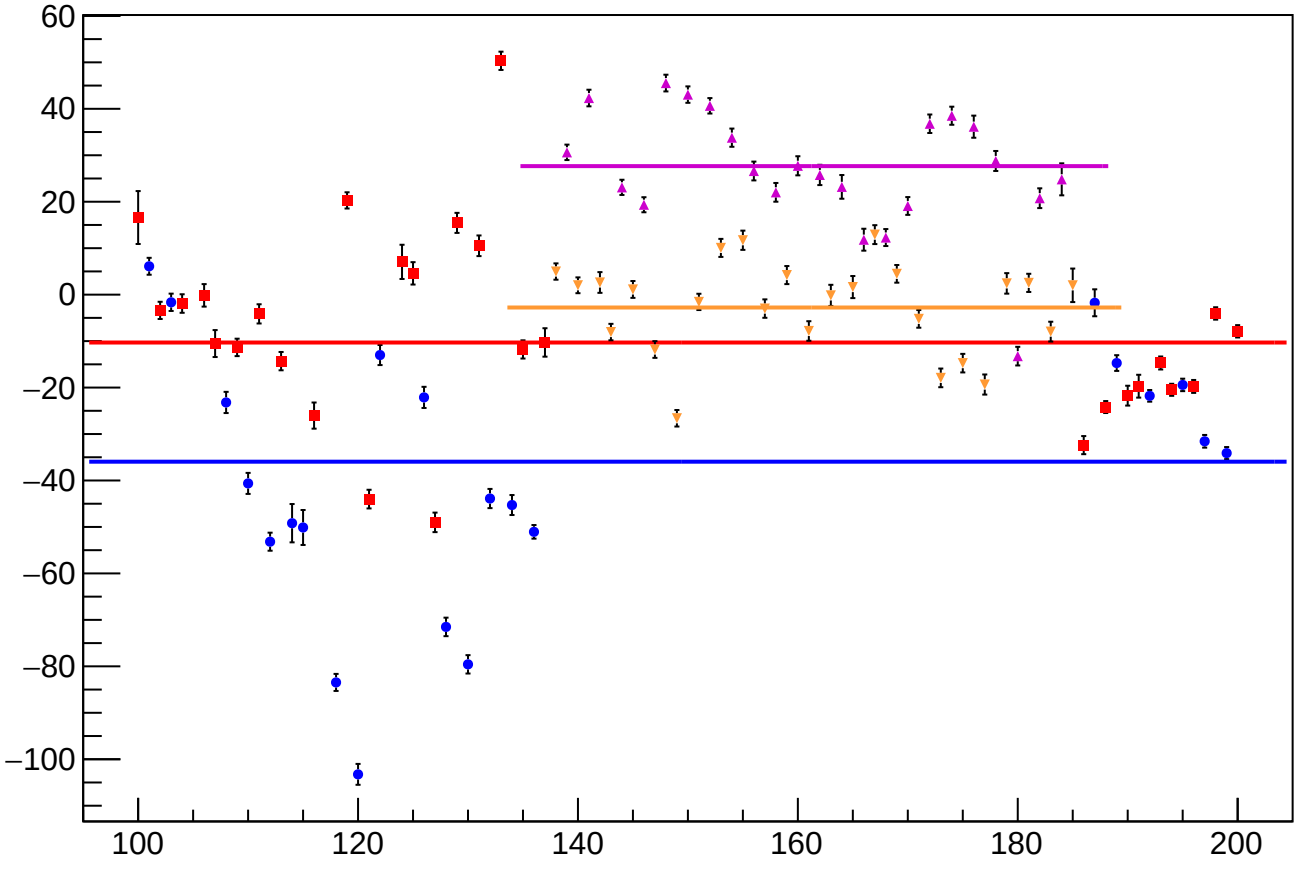
Right: 720.395+/-0.103 χ^2/NDF: 1634156.0/49

In: 827.644+/-0.109 χ^2/NDF:1967607.2/44

Out: 803.565+/-0.101 χ^2/NDF:2412250.3/52

All: 814.656+/-0.074 χ^2/NDF: 4406167.0/97

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -35.953+/-0.393 χ^2/NDF: 4262.3/21

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

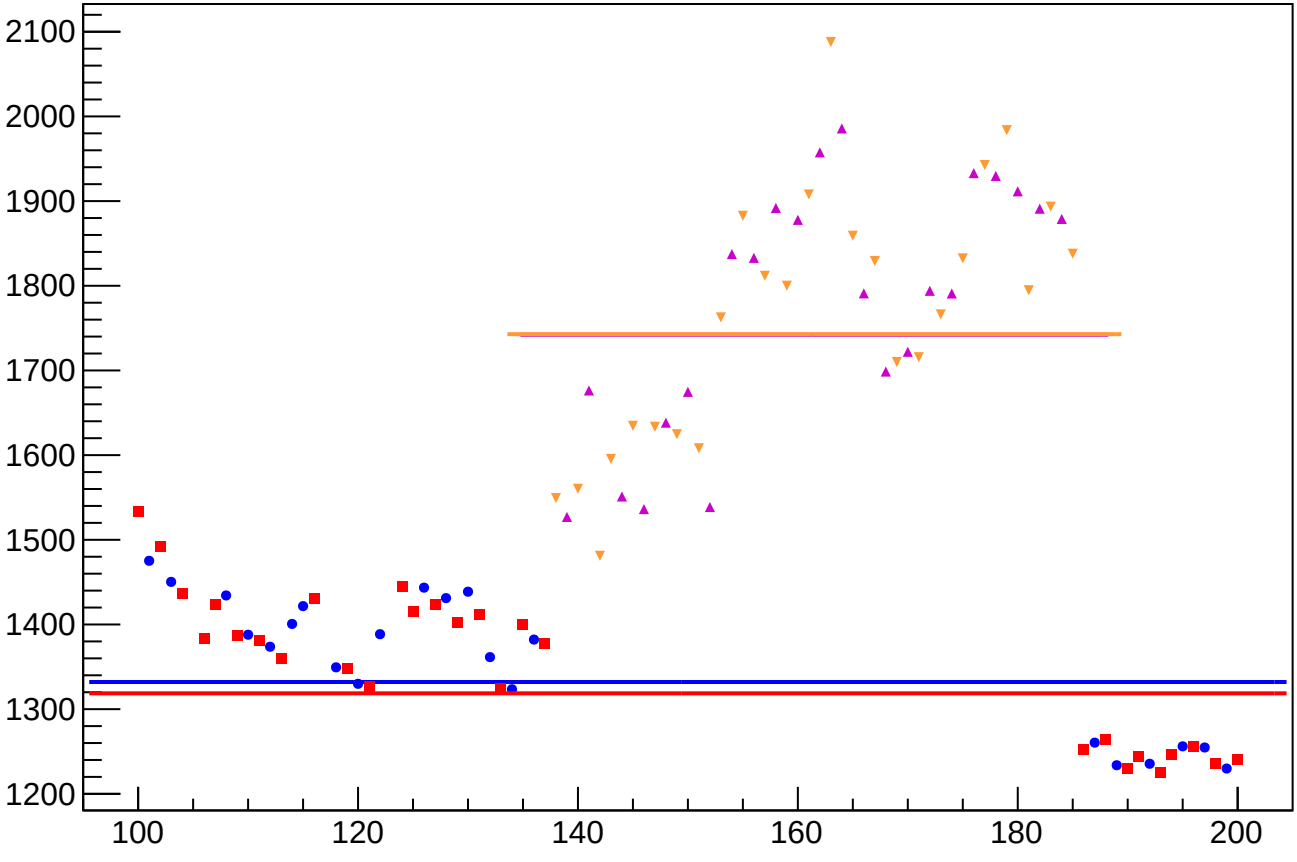
Right: -21.898+/-0.264 χ^2/NDF: 9316.5/49

In: -5.418+/-0.283 χ^2/NDF:17849.4/44

Out: -6.942+/-0.265 χ^2/NDF:3531.7/52

All: -6.229+/-0.194 χ^2/NDF: 21396.6/97

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1332.090+/-0.278 χ^2/NDF: 93114.7/21

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

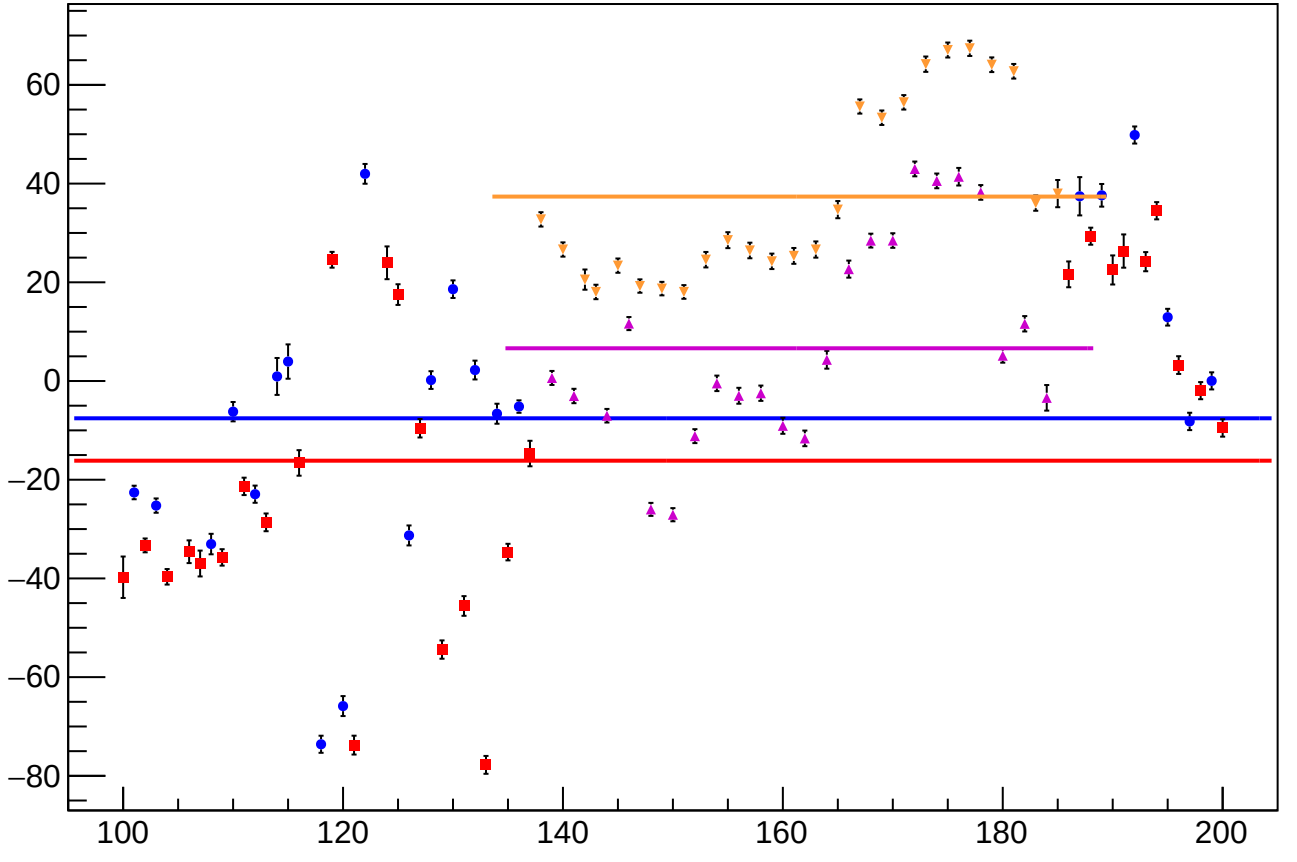
Right: 1324.755+/-0.187 χ^2/NDF: 201298.2/49

In: 1528.918+/-0.200 χ^2/NDF:1401549.2/44

Out: 1507.909+/-0.188 χ^2/NDF:1631866.1/52

All: 1517.735+/-0.137 χ^2/NDF: 3039275.6/97

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.554+/-0.395 χ^2/NDF: 5599.0/21

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

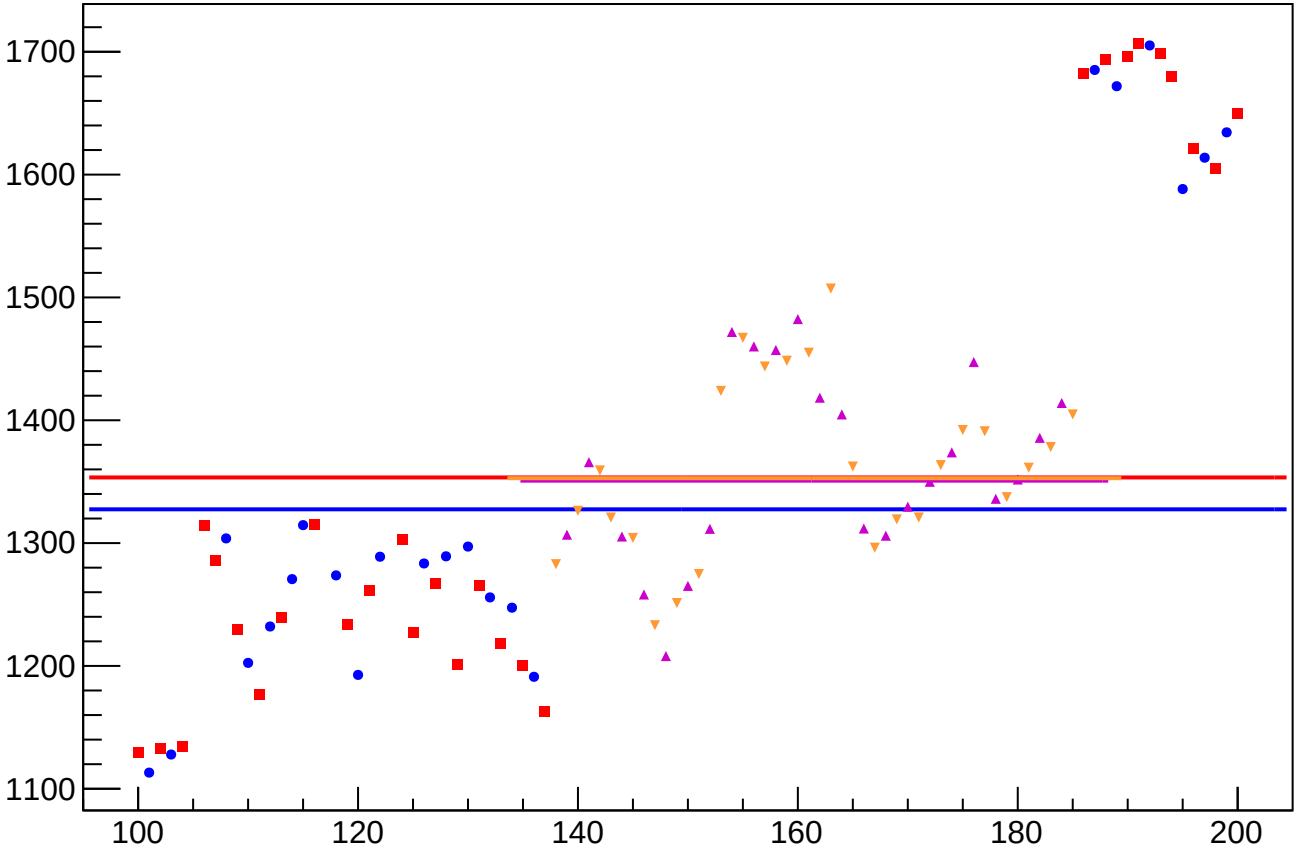
Right: -12.127+/-0.270 χ^2/NDF: 13181.2/49

In: 1.088+/-0.247 χ^2/NDF:10796.5/44

Out: 15.472+/-0.237 χ^2/NDF:23088.8/52

All: 8.580+/-0.171 χ^2/NDF: 35655.6/97

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1327.497+/-0.279 χ^2/NDF: 465258.0/21

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

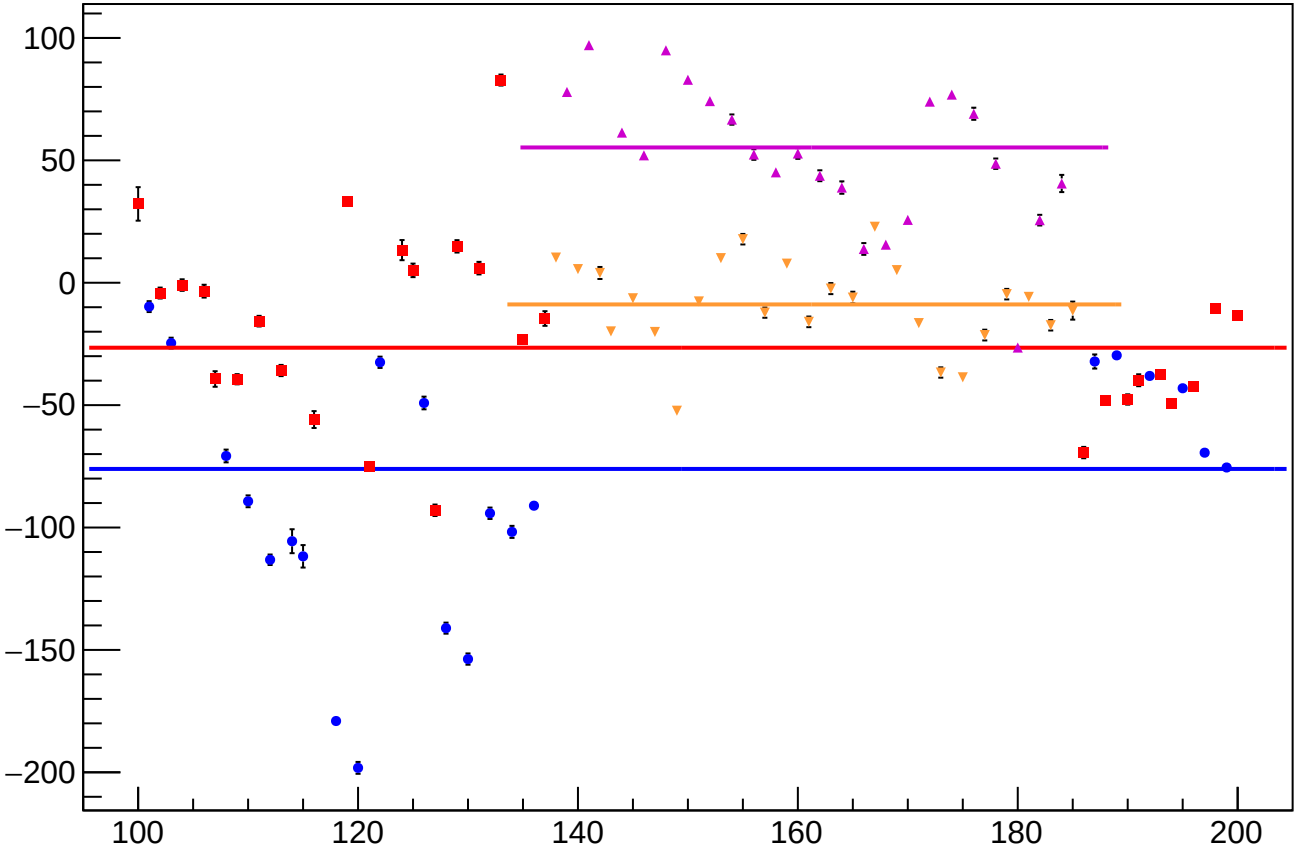
Right: 1341.311+/-0.191 χ^2/NDF: 1123458.7/49

In: 1341.712+/-0.174 χ^2/NDF:578135.1/44

Out: 1353.077+/-0.167 χ^2/NDF:758446.5/52

All: 1347.631+/-0.121 χ^2/NDF: 1338791.9/97

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -76.063+/-0.431 χ^2/NDF: 12088.3/21

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

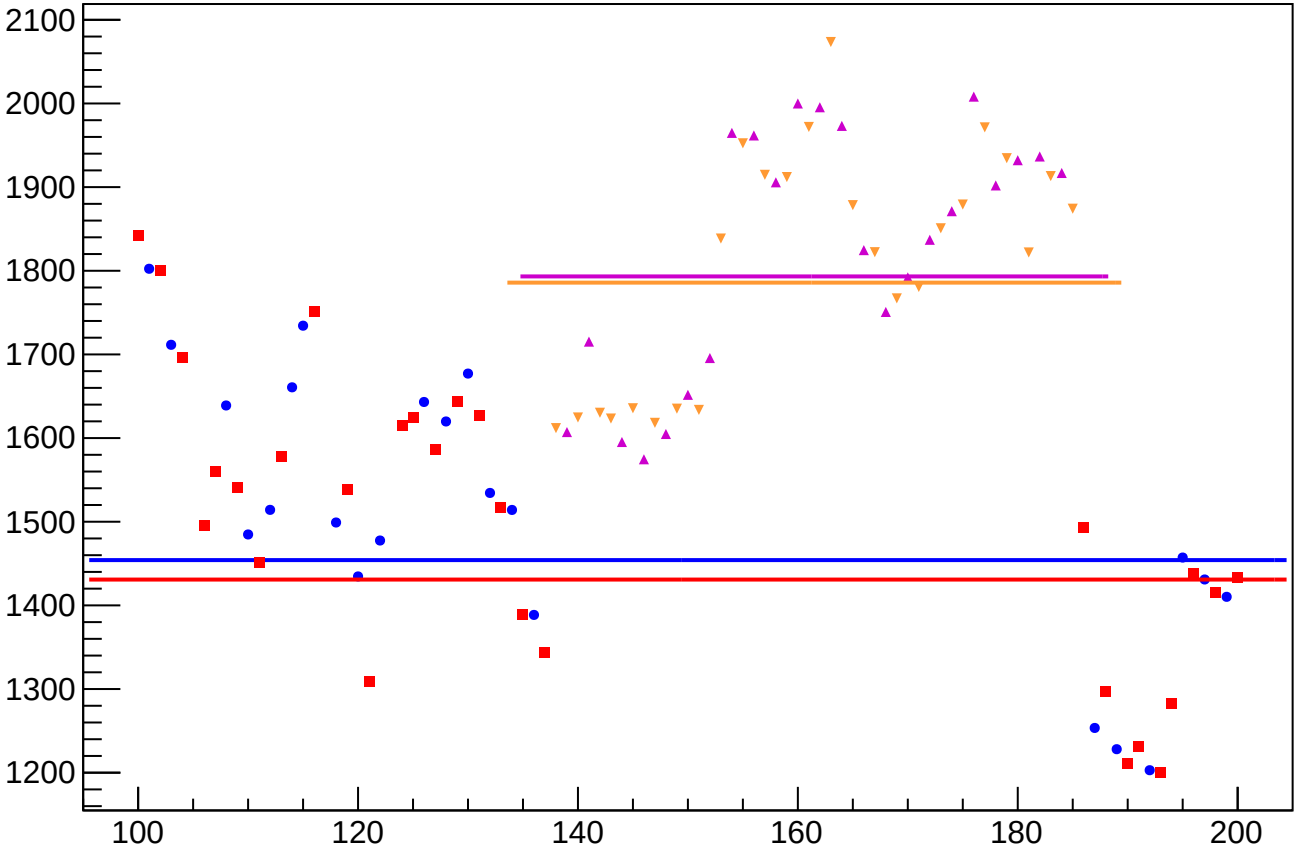
Right: -48.784+/-0.289 χ^2/NDF: 26612.1/49

In: -8.849+/-0.301 χ^2/NDF:64449.4/44

Out: -18.110+/-0.281 χ^2/NDF:10174.9/52

All: -13.791+/-0.205 χ^2/NDF: 75130.1/97

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1454.130+/-0.304 χ^2/NDF: 280909.1/21

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

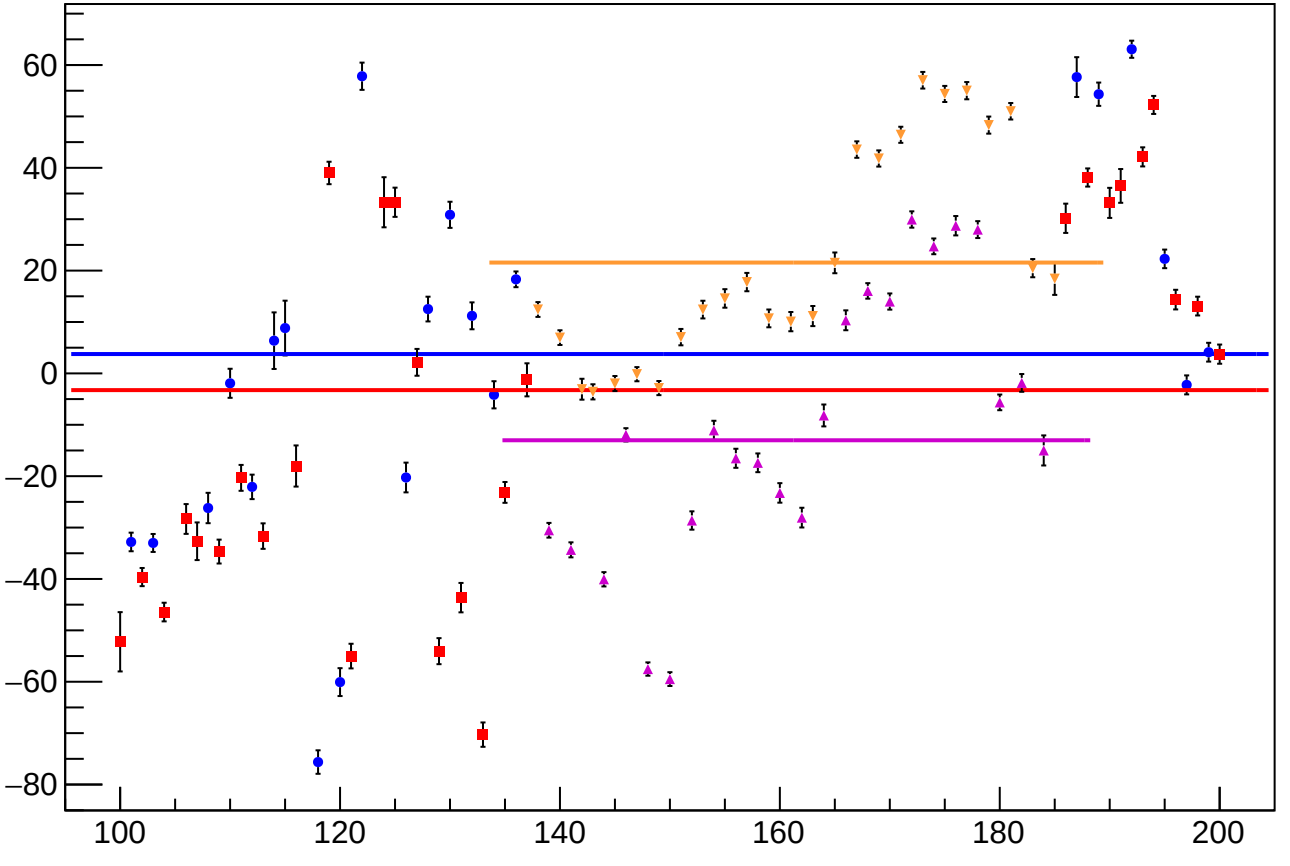
Right: 1441.313+/-0.204 χ^2/NDF: 613951.8/49

In: 1627.691+/-0.213 χ^2/NDF:1168798.9/44

Out: 1600.132+/-0.199 χ^2/NDF:1362266.8/52

All: 1612.983+/-0.145 χ^2/NDF: 2540025.0/97

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 3.765+/-0.484 χ^2/NDF: 5626.5/21

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

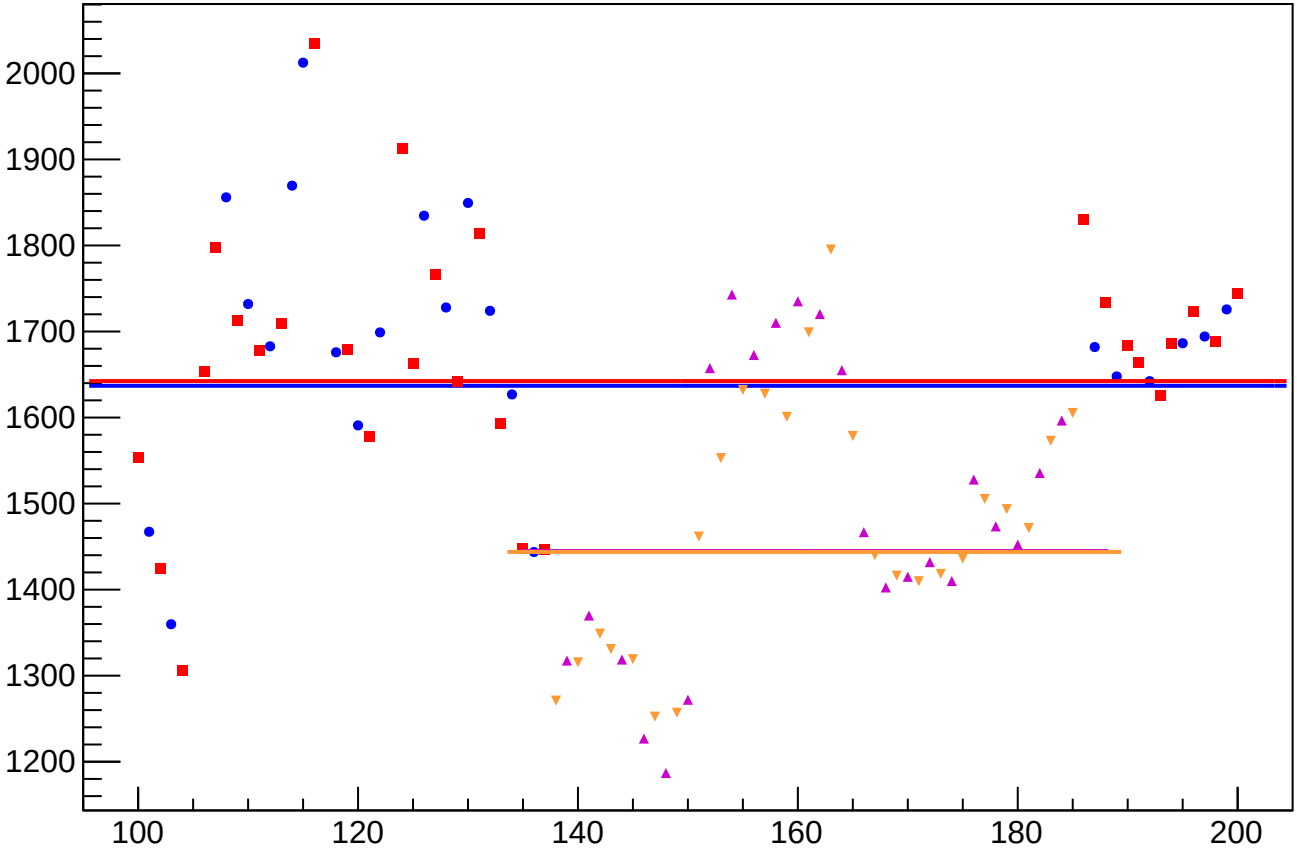
Right: -0.035+/-0.328 χ^2/NDF: 12644.8/49

In: -7.470+/-0.278 χ^2/NDF:13058.2/44

Out: 12.777+/-0.265 χ^2/NDF:13069.6/52

All: 3.141+/-0.192 χ^2/NDF: 28902.9/97

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1636.929+/-0.342 χ^2/NDF: 166304.7/21

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

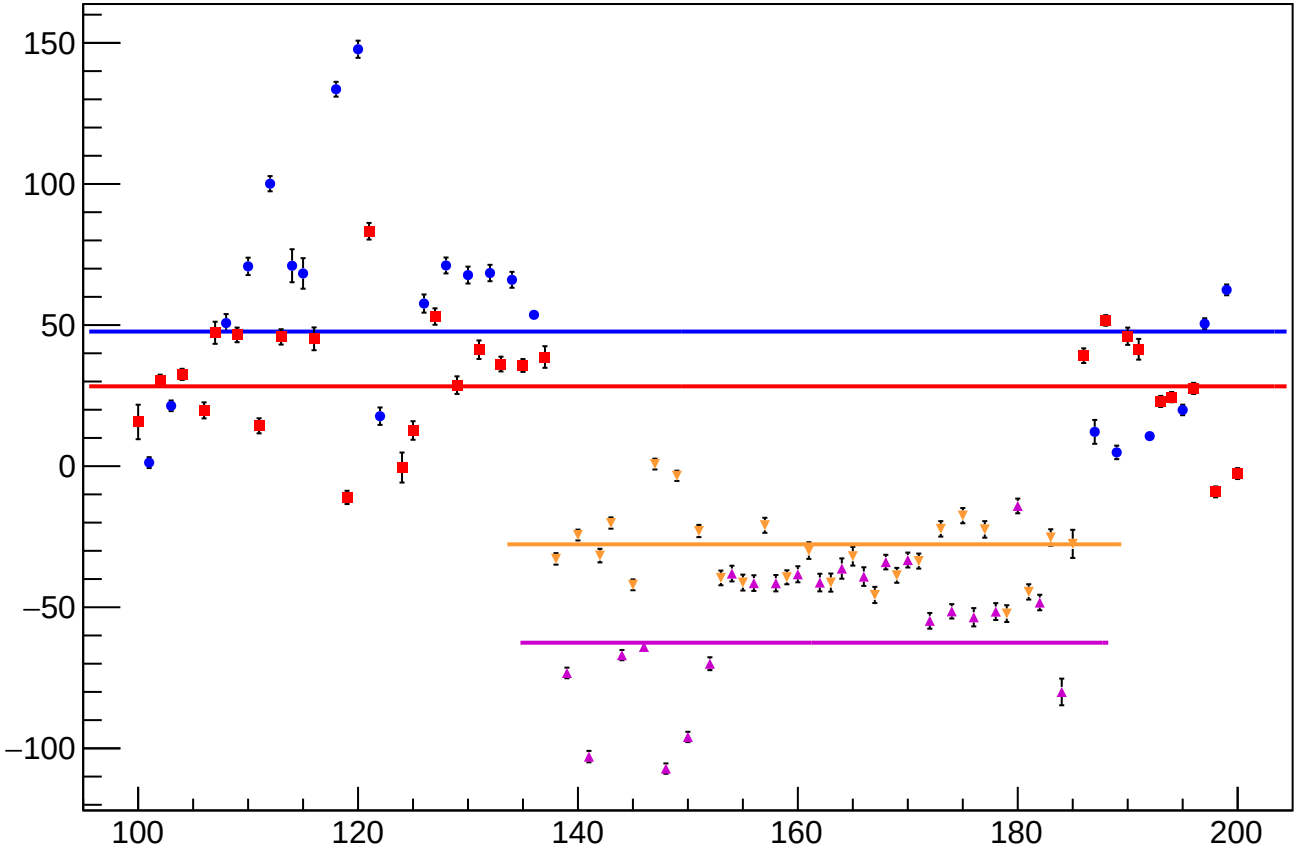
Right: 1639.899+/-0.232 χ^2/NDF: 366229.4/49

In: 1508.297+/-0.197 χ^2/NDF:862486.3/44

Out: 1514.150+/-0.187 χ^2/NDF:808795.7/52

All: 1511.365+/-0.136 χ^2/NDF: 1671745.9/97

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 47.707+/-0.528 χ^2/NDF: 4825.3/21

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

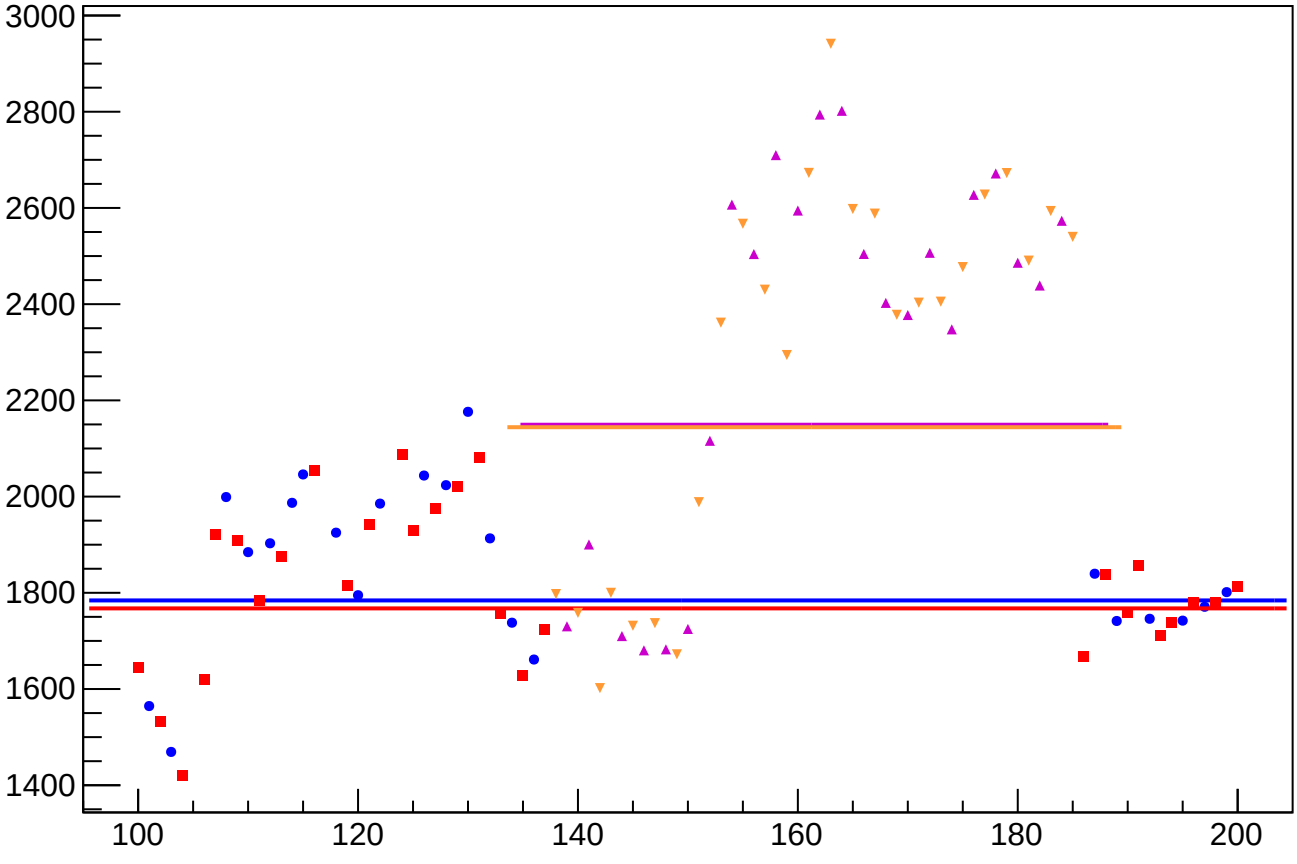
Right: 37.067+/-0.355 χ^2/NDF: 7402.6/49

In: -9.119+/-0.367 χ^2/NDF:29783.2/44

Out: 1.259+/-0.345 χ^2/NDF:9188.9/52

All: -3.599+/-0.251 χ^2/NDF: 39396.5/97

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1784.162+/-0.373 χ^2/NDF: 197031.7/21

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

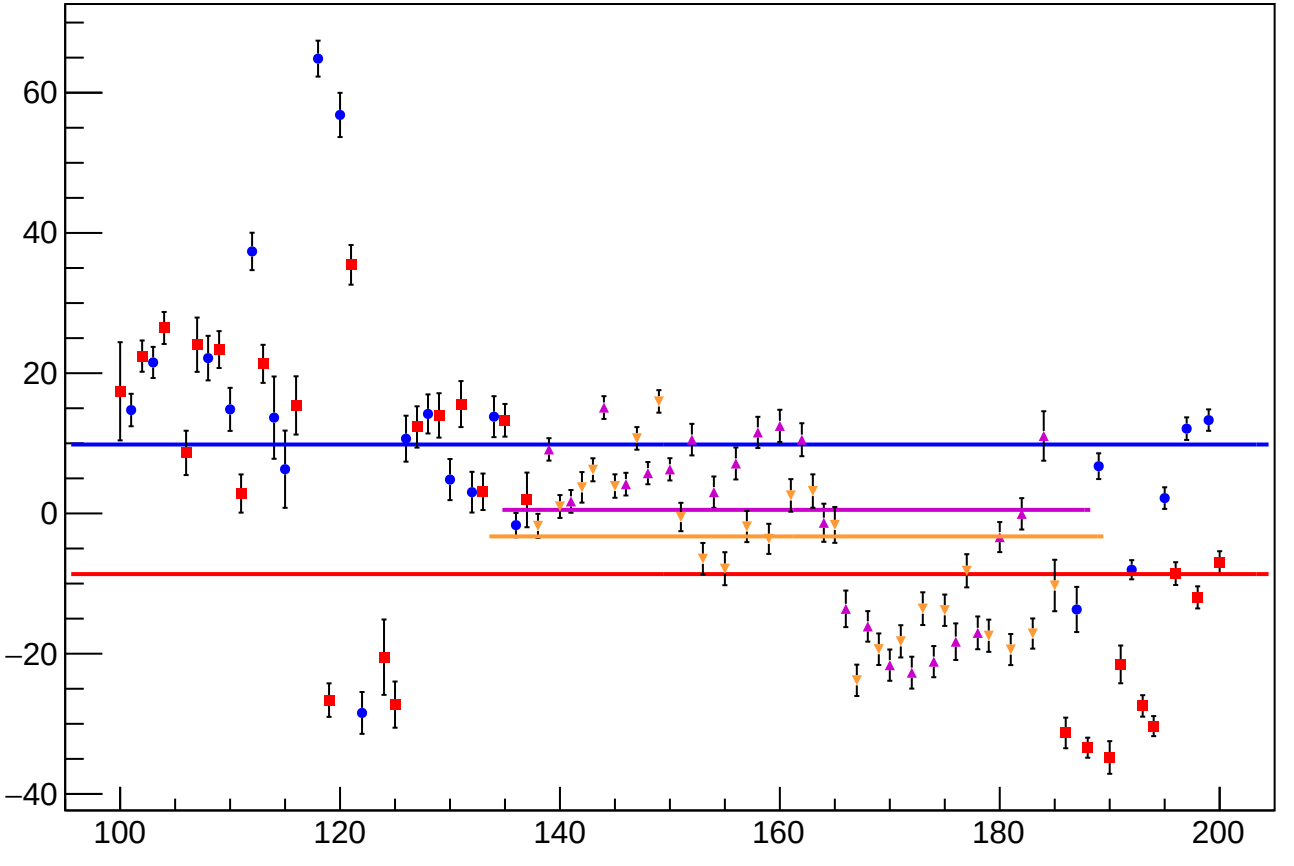
Right: 1775.080+/-0.251 χ^2/NDF: 398463.1/49

In: 1972.368+/-0.260 χ^2/NDF:1956356.2/44

Out: 1949.444+/-0.244 χ^2/NDF:2076508.0/52

All: 1960.176+/-0.178 χ^2/NDF: 4037005.7/97

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.830+/-0.486 χ^2/NDF: 1321.1/21

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

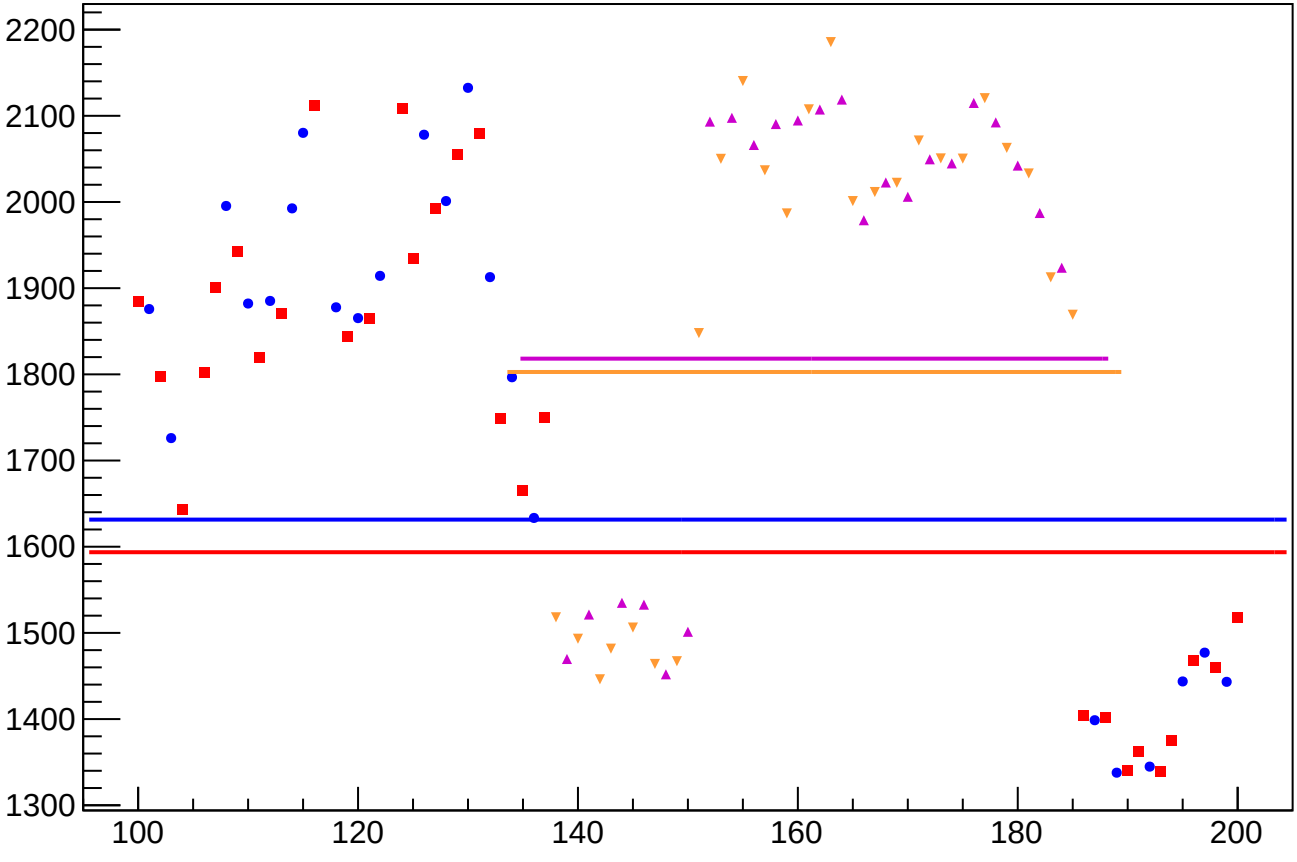
Right: -0.426+/-0.324 χ^2/NDF: 4542.6/49

In: 4.600+/-0.322 χ^2/NDF:2273.3/44

Out: -5.832+/-0.300 χ^2/NDF:3170.1/52

All: -0.981+/-0.220 χ^2/NDF: 6005.1/97

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1631.458+/-0.344 χ^2/NDF: 535847.9/21

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

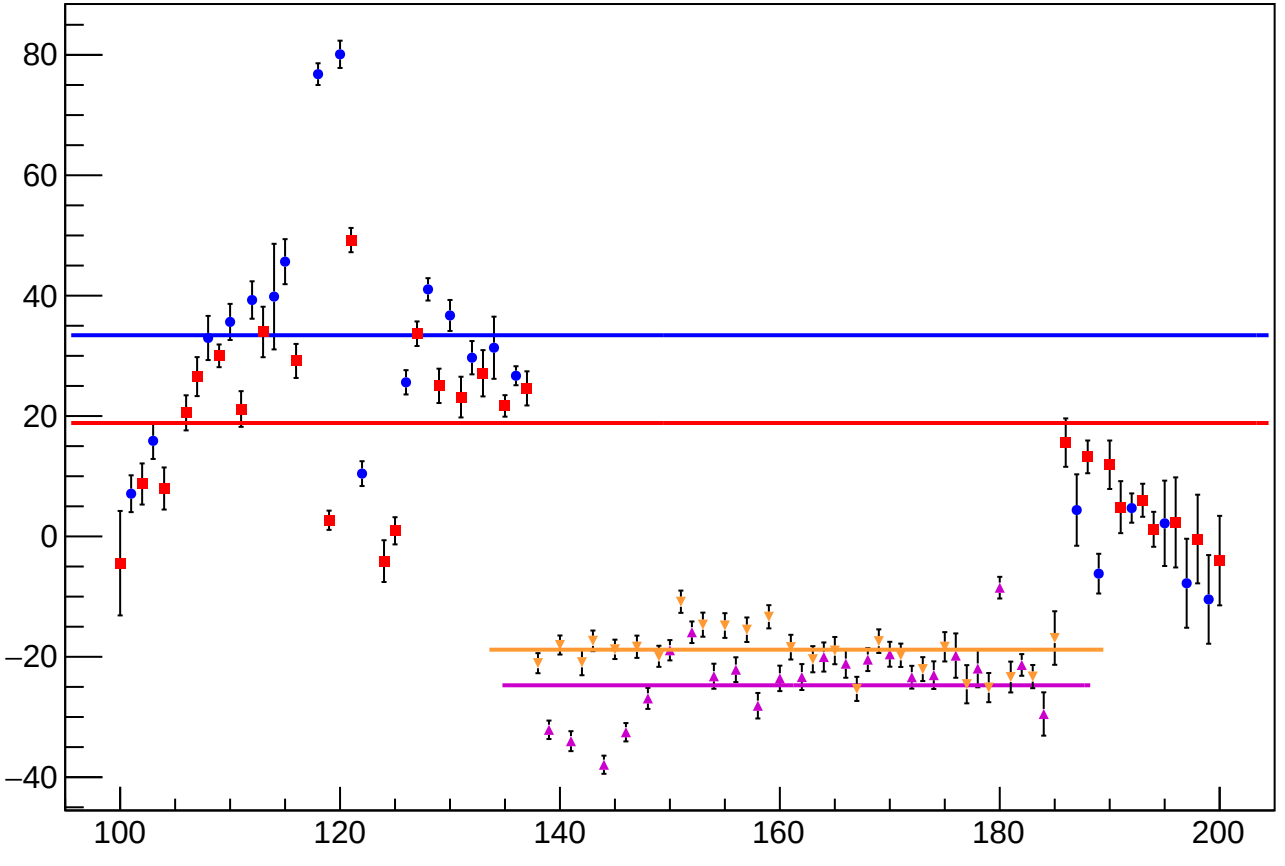
Right: 1610.458+/-0.229 χ^2/NDF: 1122803.6/49

In: 1736.266+/-0.228 χ^2/NDF:1541943.6/44

Out: 1703.232+/-0.212 χ^2/NDF:1719701.9/52

All: 1718.594+/-0.155 χ^2/NDF: 3272909.0/97

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.427+/-0.584 χ^2/NDF: 1694.3/21

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

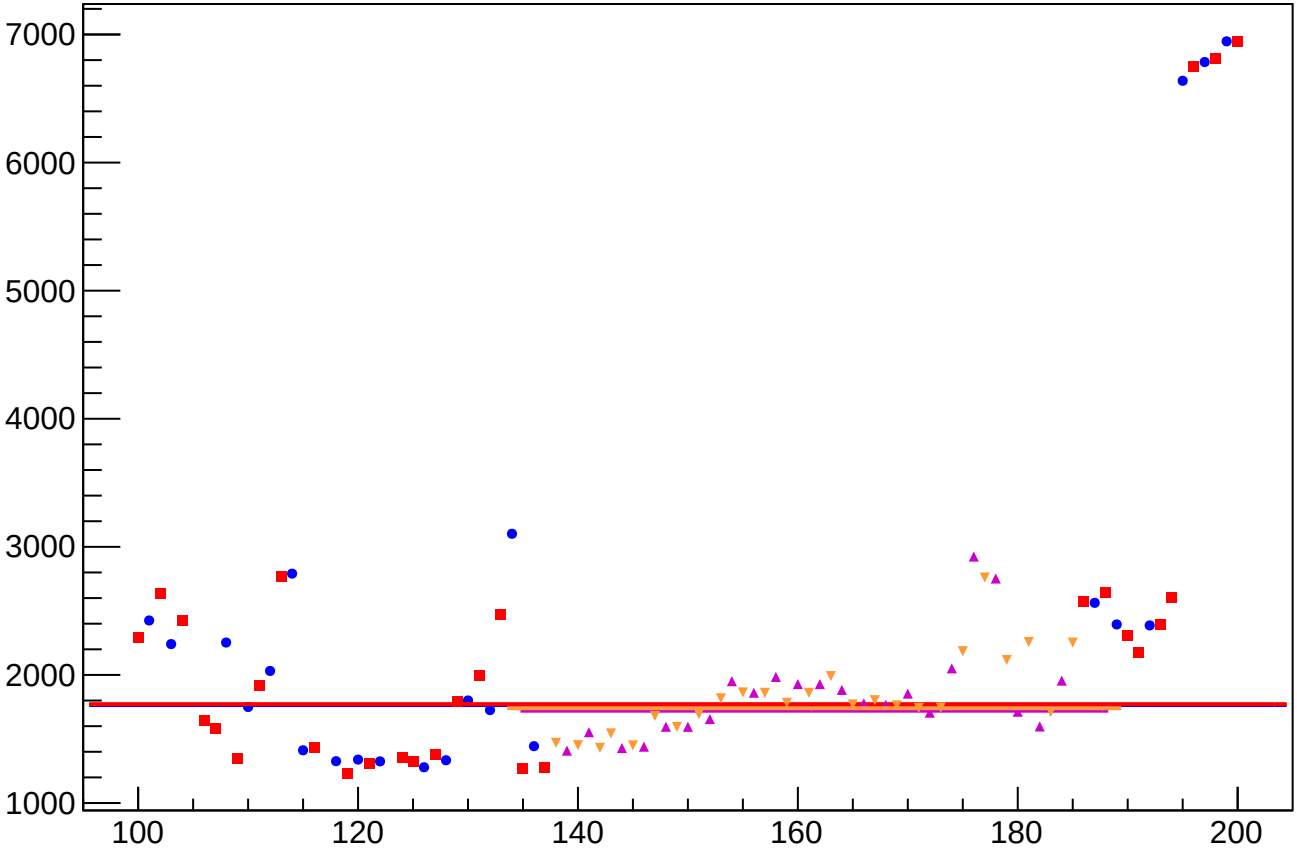
Right: 25.524+/-0.396 χ^2/NDF: 2730.1/49

In: -5.627+/-0.335 χ^2/NDF:8651.7/44

Out: -5.307+/-0.322 χ^2/NDF:3922.4/52

All: -5.460+/-0.232 χ^2/NDF: 12574.6/97

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1765.012+/-0.413 χ^2/NDF: 4055106.8/21

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

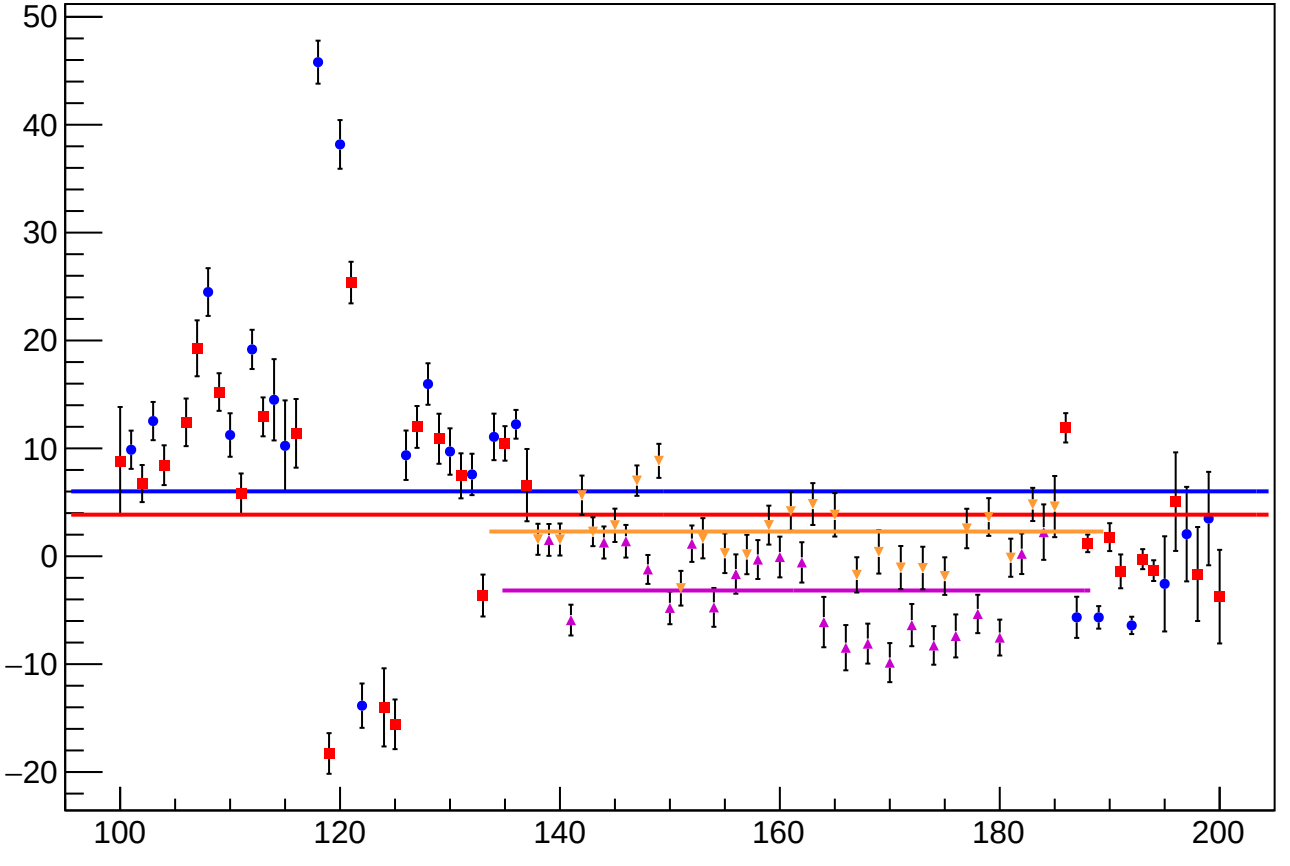
Right: 1768.749+/-0.280 χ^2/NDF: 8725849.8/49

In: 1735.366+/-0.237 χ^2/NDF:4946760.3/44

Out: 1751.503+/-0.228 χ^2/NDF:5428466.4/52

All: 1743.757+/-0.164 χ^2/NDF: 10377640.1/9

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.016+/-0.383 χ^2/NDF: 1315.0/21

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

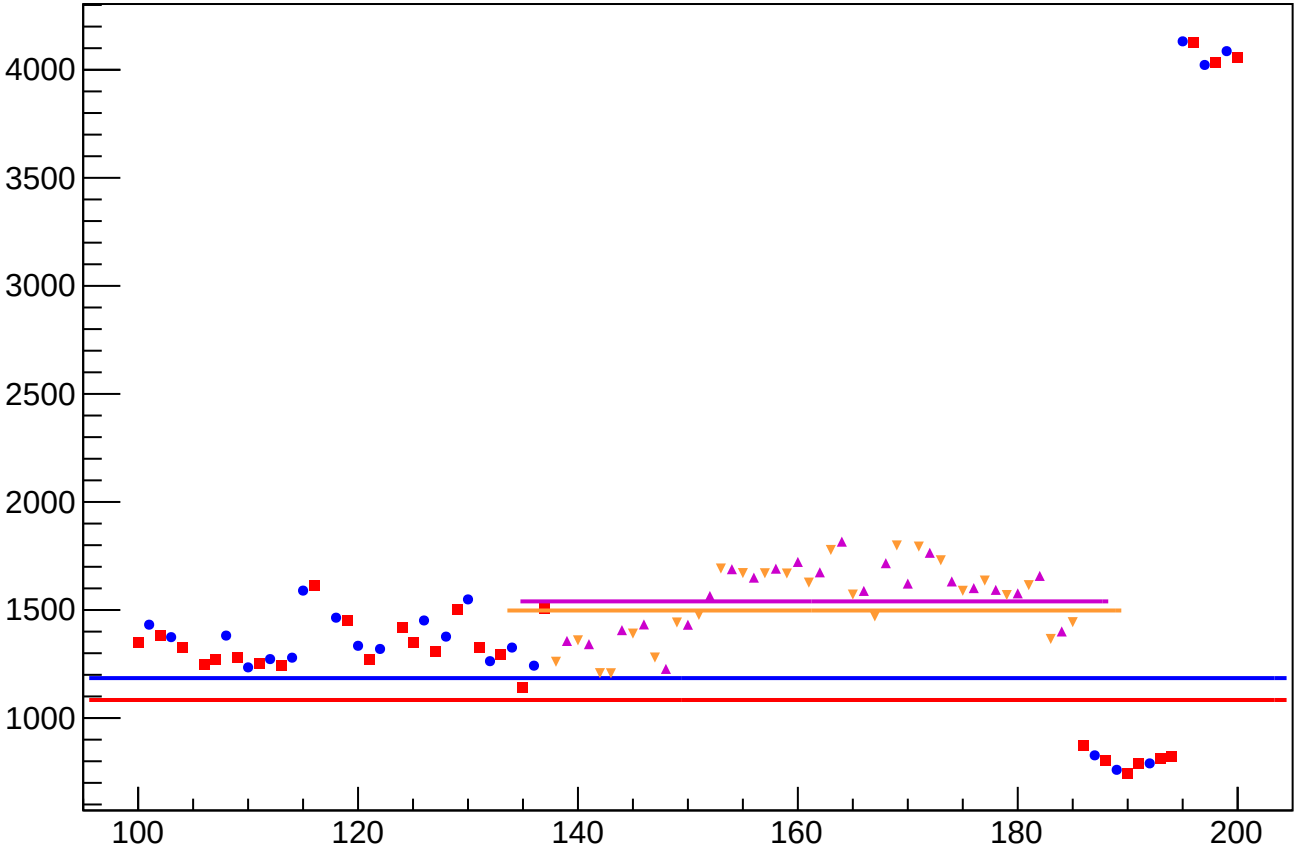
Right: 4.747+/-0.246 χ^2/NDF: 2002.2/49

In: 1.172+/-0.263 χ^2/NDF:1729.2/44

Out: 3.128+/-0.234 χ^2/NDF:753.1/52

All: 2.262+/-0.175 χ^2/NDF: 2513.1/97

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1184.853+/-0.271 χ^2/NDF: 3793703.0/21

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

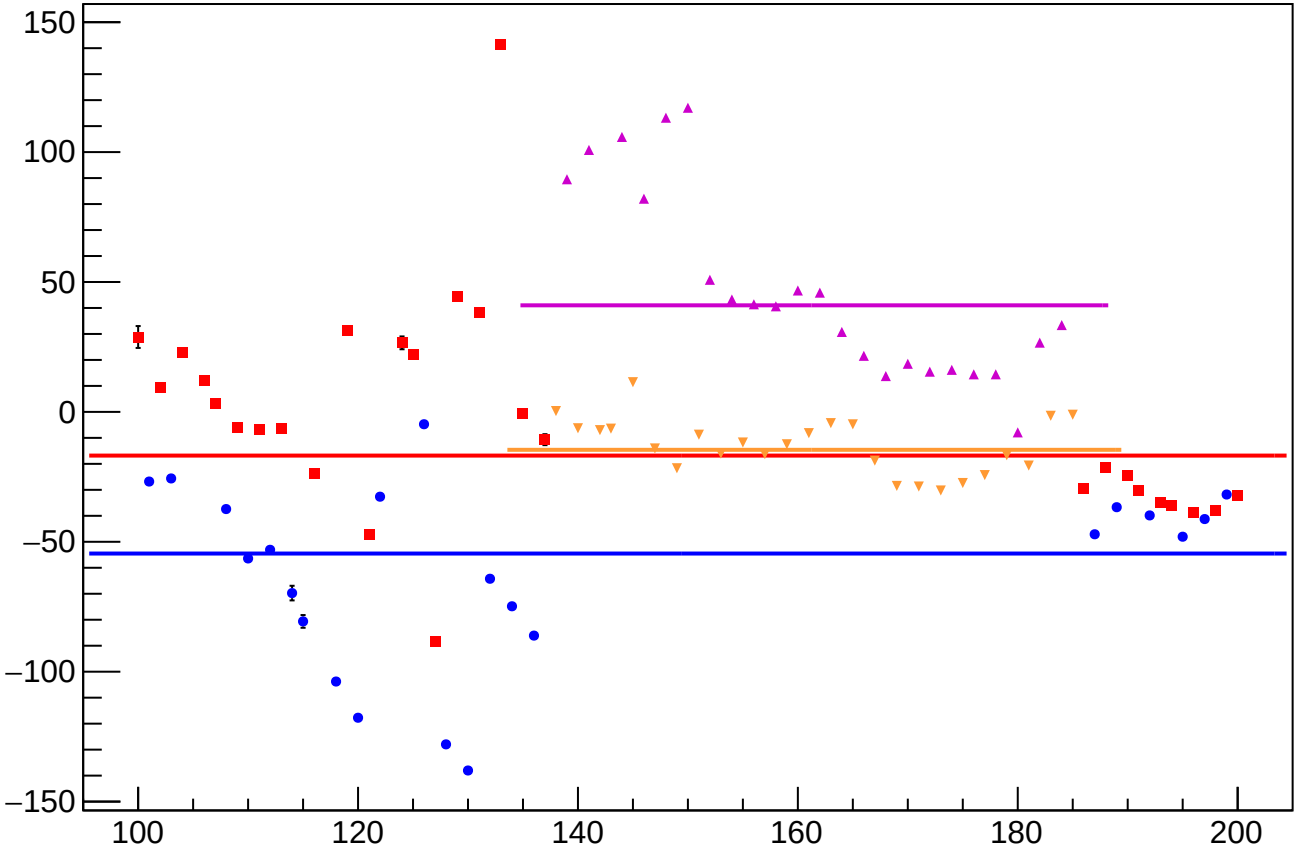
Right: 1125.332+/-0.174 χ^2/NDF: 7988653.1/49

In: 1372.025+/-0.186 χ^2/NDF:5081386.0/44

Out: 1276.442+/-0.166 χ^2/NDF:6234895.3/52

All: 1318.728+/-0.124 χ^2/NDF: 11463402.3/9

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -54.521+/-0.234 χ^2/NDF: 17155.8/21

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

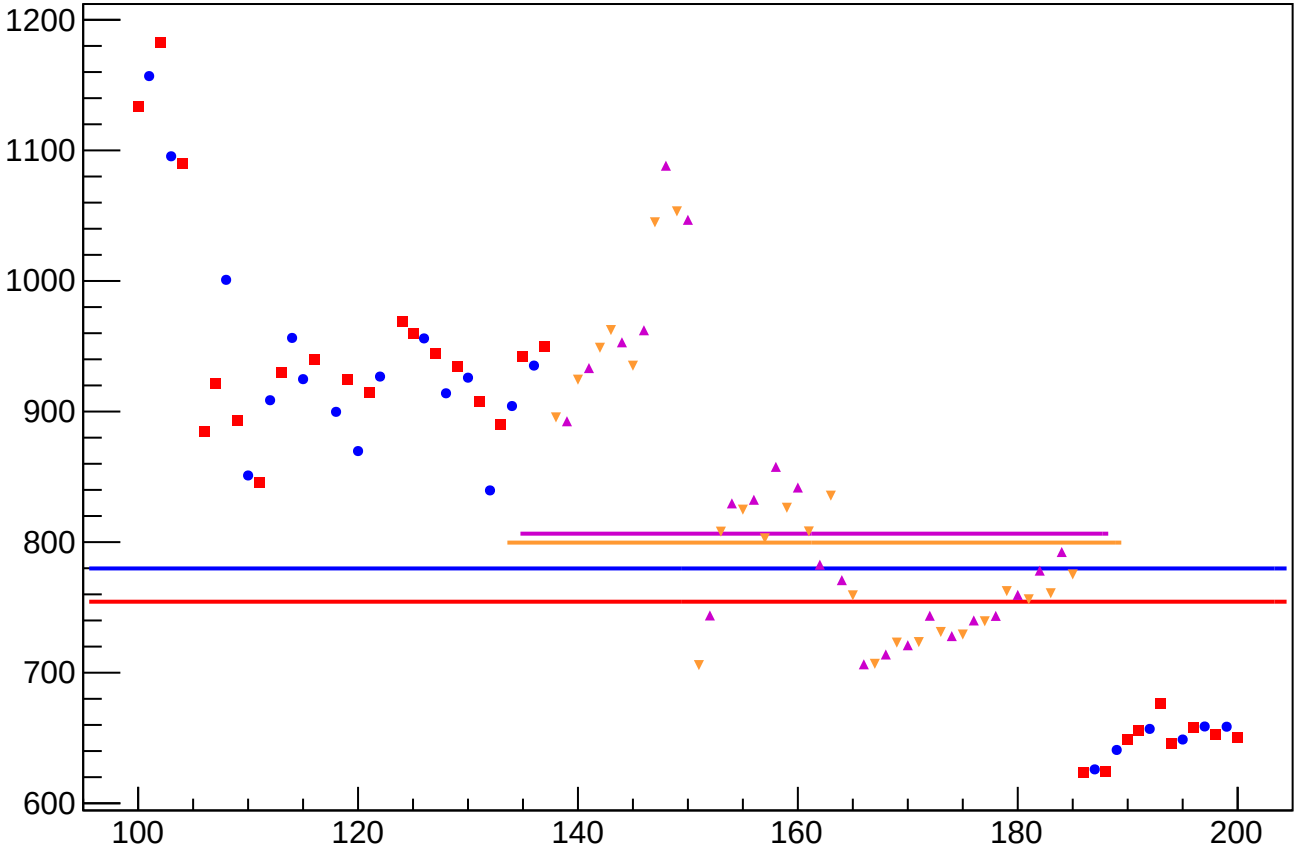
Right: -33.441+/-0.155 χ^2/NDF: 60921.9/49

In: 3.070+/-0.147 χ^2/NDF:148895.9/44

Out: -15.568+/-0.137 χ^2/NDF:32448.0/52

All: -6.908+/-0.100 χ^2/NDF: 189910.2/97

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 779.843+/-0.165 χ^2/NDF: 839255.5/21

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

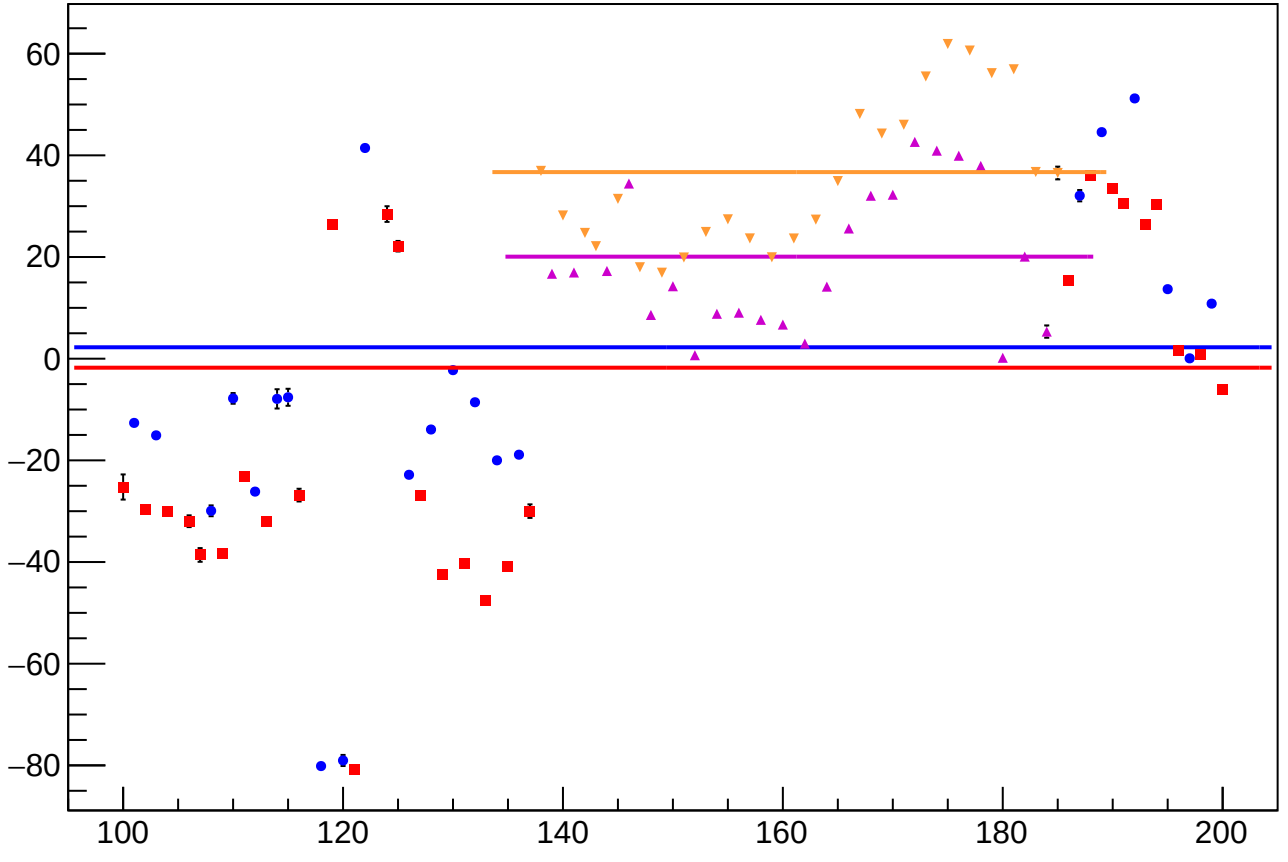
Right: 765.605+/-0.110 χ^2/NDF: 1885320.9/49

In: 795.898+/-0.104 χ^2/NDF:1366198.9/44

Out: 779.855+/-0.097 χ^2/NDF:1583739.8/52

All: 787.309+/-0.071 χ^2/NDF: 2962633.0/97

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 2.244+/-0.165 χ^2/NDF: 37809.9/21

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

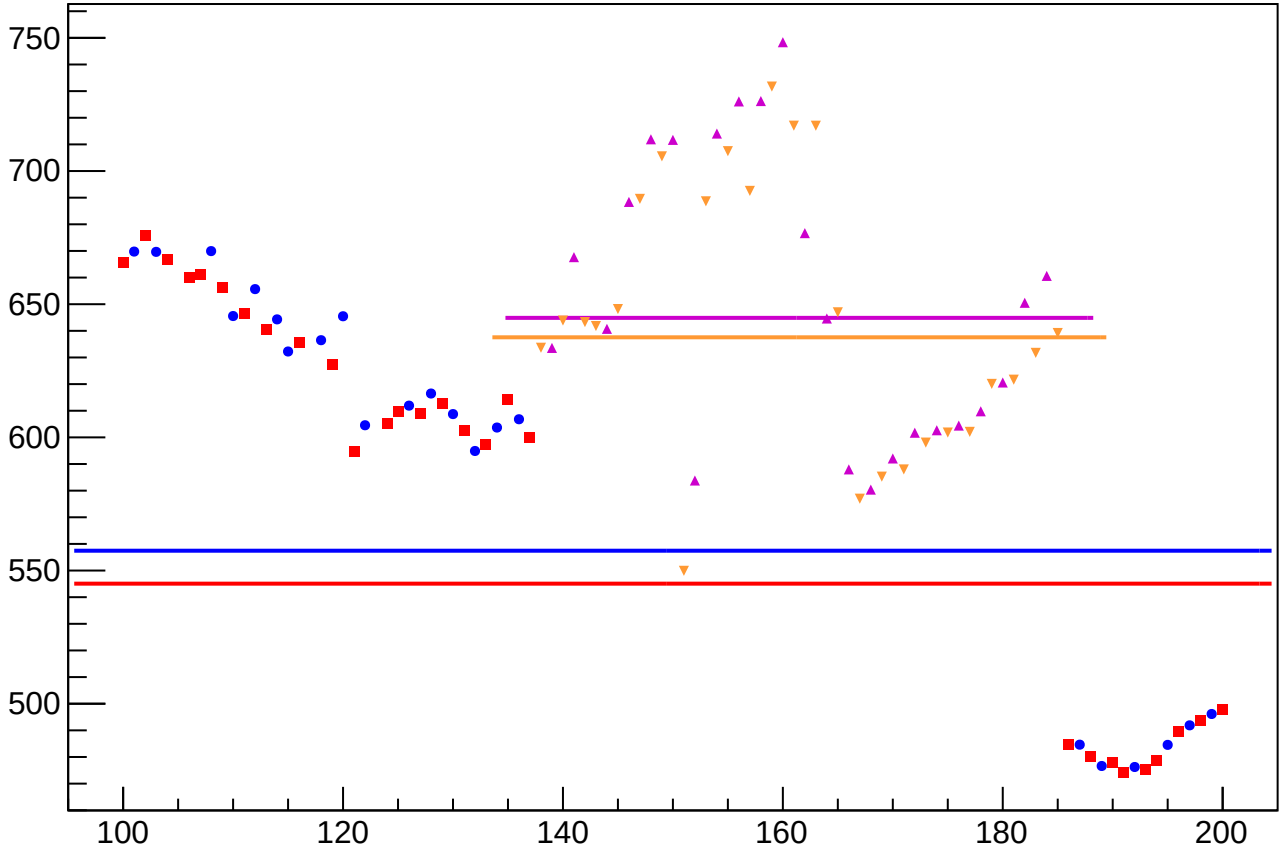
Right: 0.020+/-0.111 χ^2/NDF: 81086.8/49

In: 11.956+/-0.112 χ^2/NDF:52693.4/44

Out: 17.864+/-0.104 χ^2/NDF:87458.3/52

All: 15.122+/-0.076 χ^2/NDF: 141652.4/97

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 557.447+/-0.117 χ^2/NDF: 408146.8/21

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

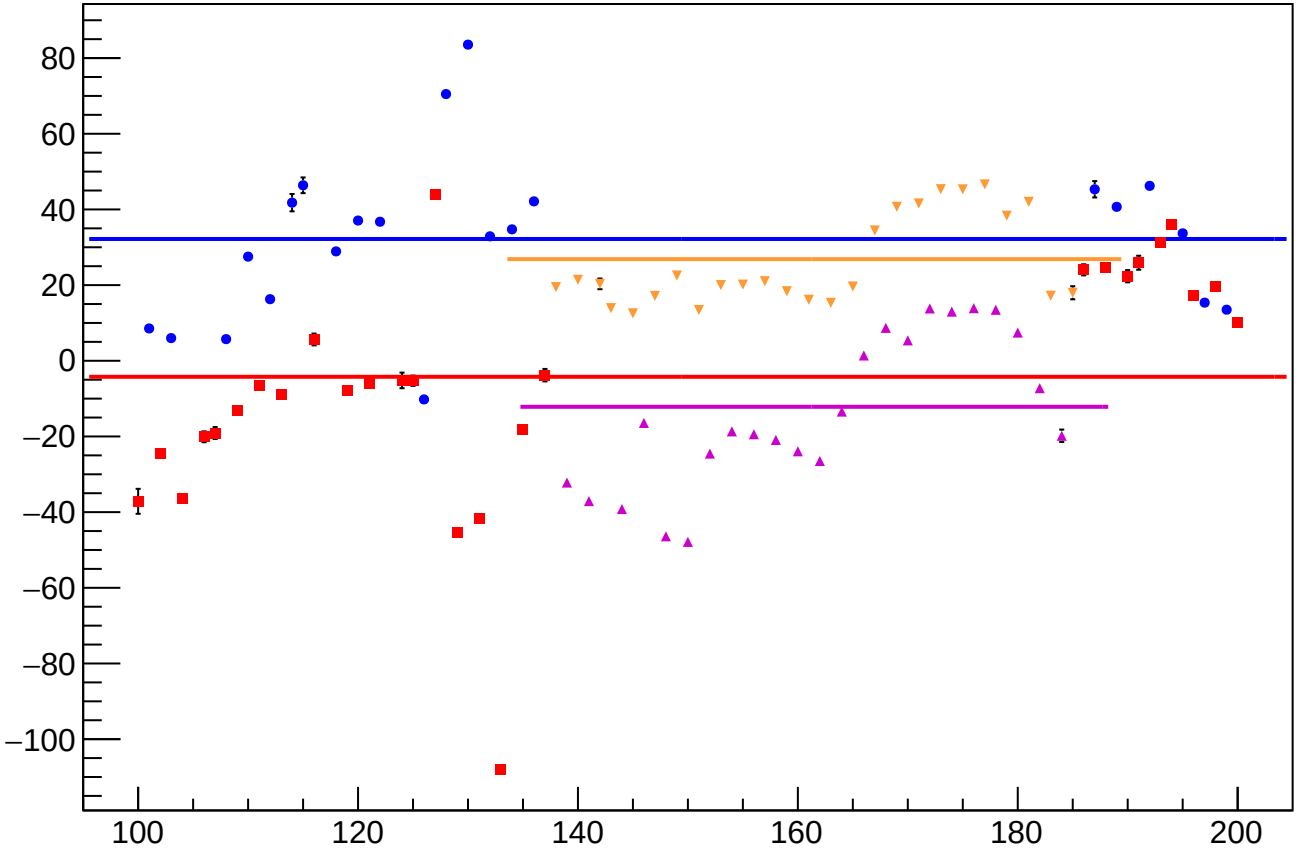
Right: 550.595+/-0.078 χ^2/NDF: 907124.0/49

In: 605.081+/-0.079 χ^2/NDF:941900.7/44

Out: 592.278+/-0.073 χ^2/NDF:1125468.0/52

All: 598.220+/-0.054 χ^2/NDF: 2081465.5/97

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 32.192+/-0.243 χ^2/NDF: 7636.4/21

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

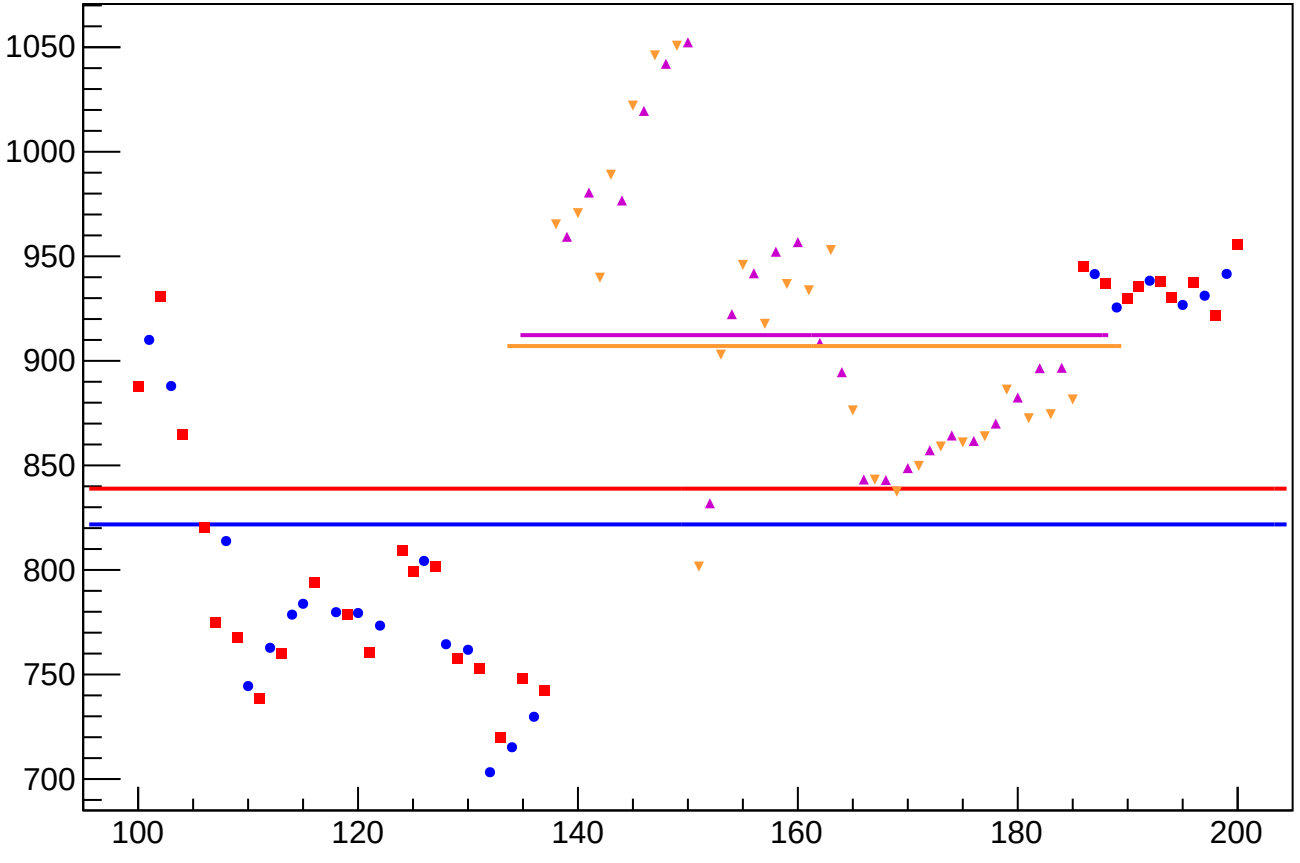
Right: 12.784+/-0.166 χ^2/NDF: 40441.0/49

In: 7.169+/-0.161 χ^2/NDF:34956.3/44

Out: 12.816+/-0.153 χ^2/NDF:34466.2/52

All: 10.128+/-0.111 χ^2/NDF: 70071.1/97

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 821.775+/-0.172 χ^2/NDF: 249676.5/21

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

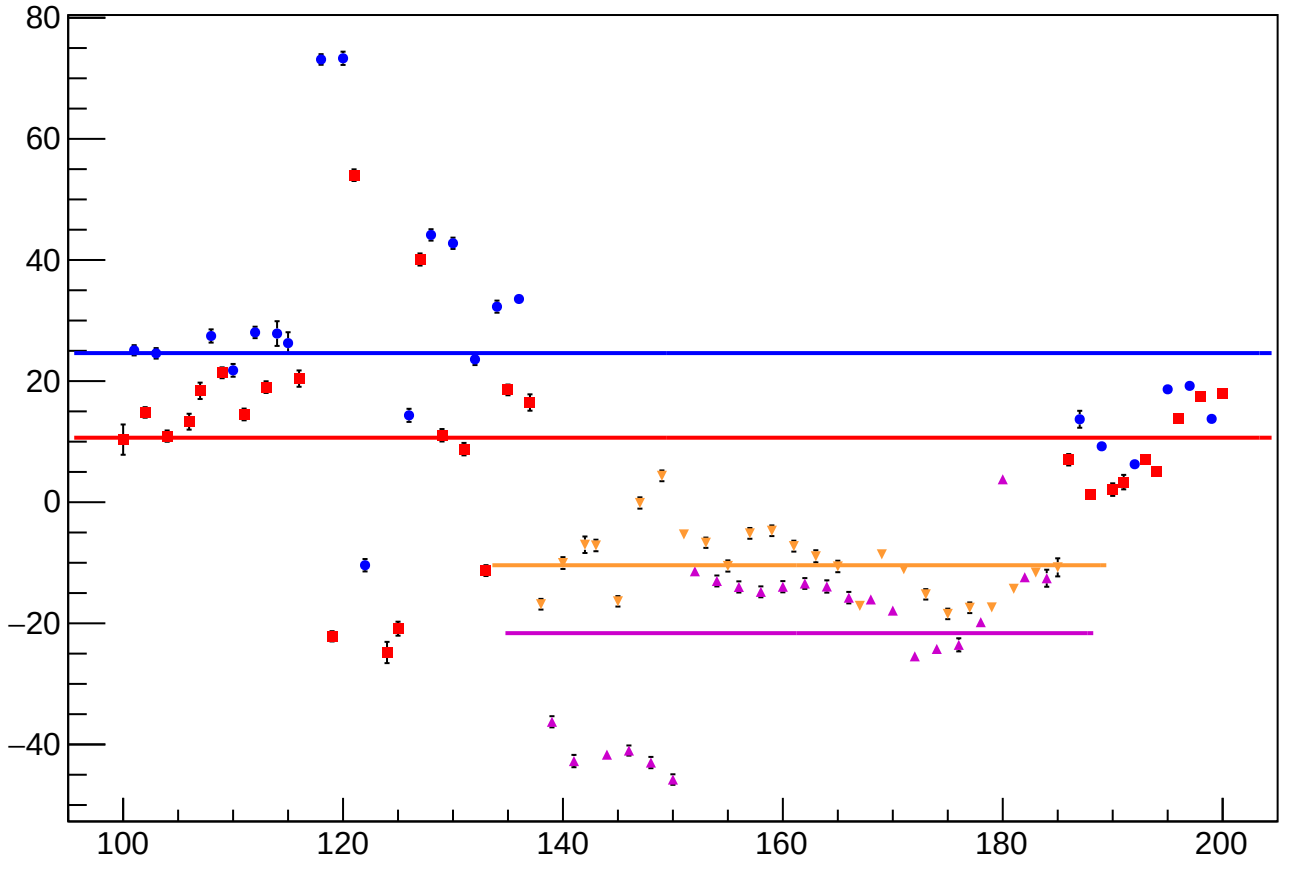
Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

Right: 830.893+/-0.117 χ^2/NDF: 534127.4/49

In: 872.850+/-0.113 χ^2/NDF:580816.6/44

Out: 876.268+/-0.108 χ^2/NDF:572209.9/52

All: 874.641+/-0.078 χ^2/NDF: 1153501.7/97



Right In: 24.625+/-0.184 χ^2/NDF: 9227.4/21

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

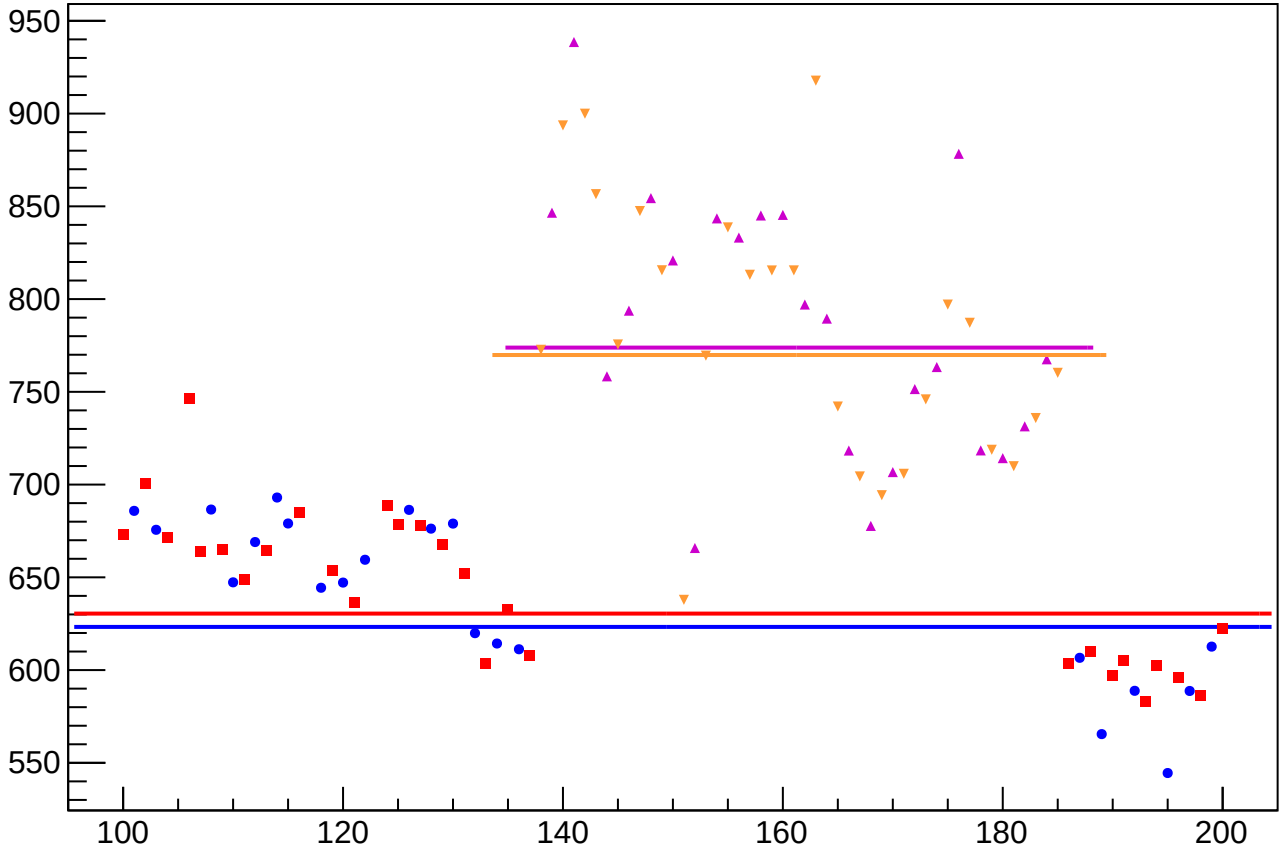
Right: 17.105+/-0.125 χ^2/NDF: 19621.4/49

In: 1.211+/-0.129 χ^2/NDF:46368.9/44

Out: 0.448+/-0.123 χ^2/NDF:15719.8/52

All: 0.809+/-0.089 χ^2/NDF: 62107.0/97

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 623.272+/-0.130 χ^2/NDF: 120521.3/21

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

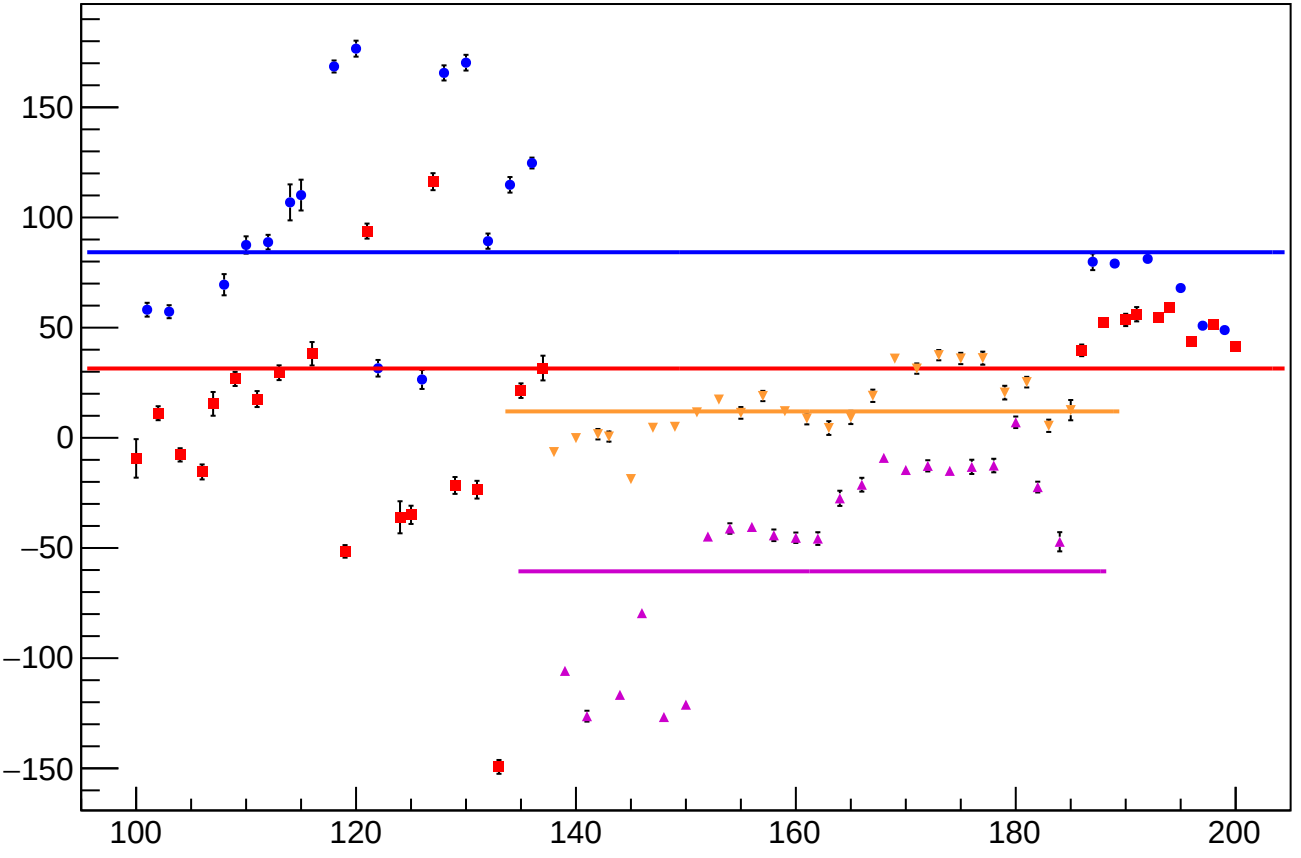
Right: 627.137+/-0.089 χ^2/NDF: 219380.6/49

In: 699.504+/-0.092 χ^2/NDF:1079708.0/44

Out: 698.004+/-0.087 χ^2/NDF:1048380.0/52

All: 698.713+/-0.063 χ^2/NDF: 2128229.5/97

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 84.229+/-0.582 χ^2/NDF: 4479.6/21

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

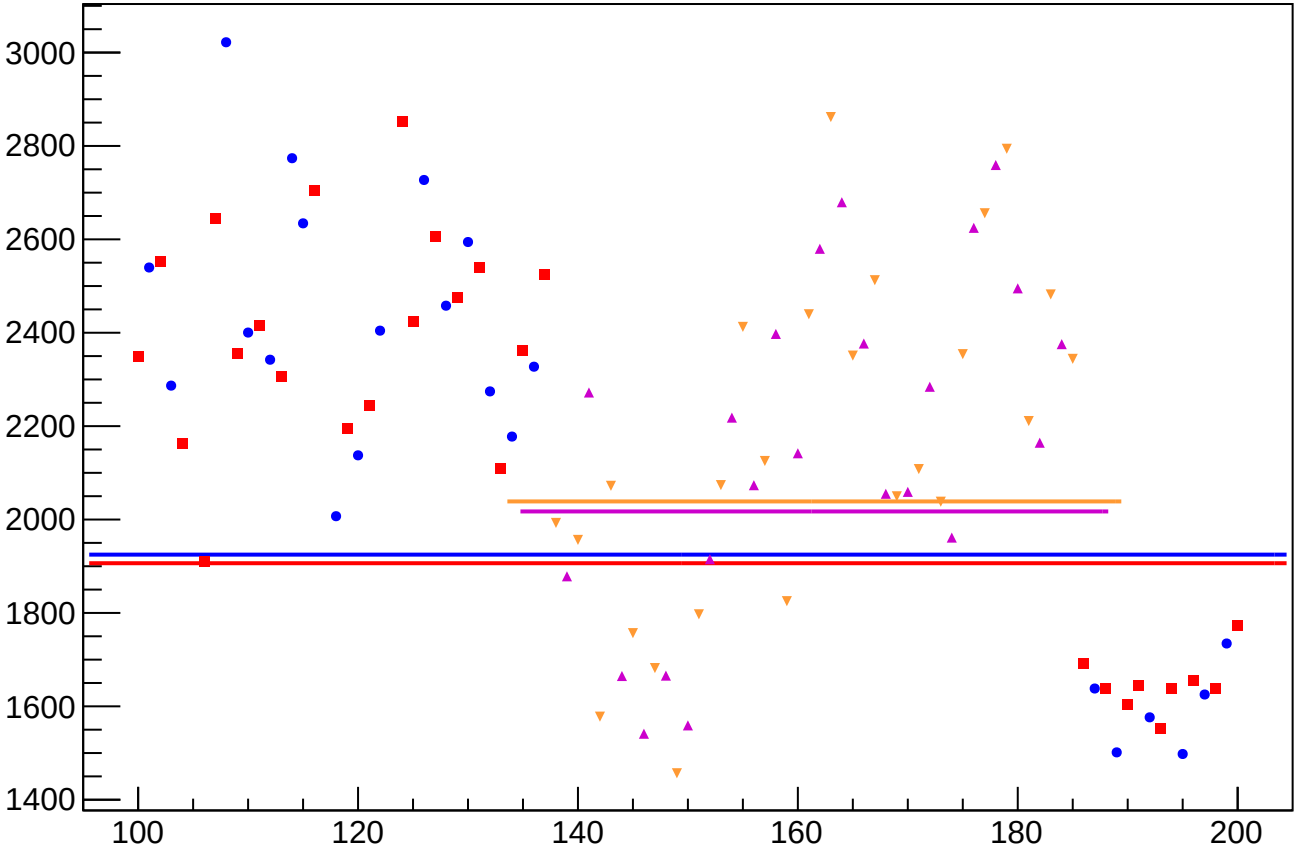
Right: 55.165+/-0.390 χ^2/NDF: 16099.9/49

In: -1.823+/-0.371 χ^2/NDF:49923.6/44

Out: 20.677+/-0.351 χ^2/NDF:8799.3/52

All: 10.042+/-0.255 χ^2/NDF: 60665.7/97

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1924.856+/-0.411 χ^2/NDF: 1031097.8/21

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

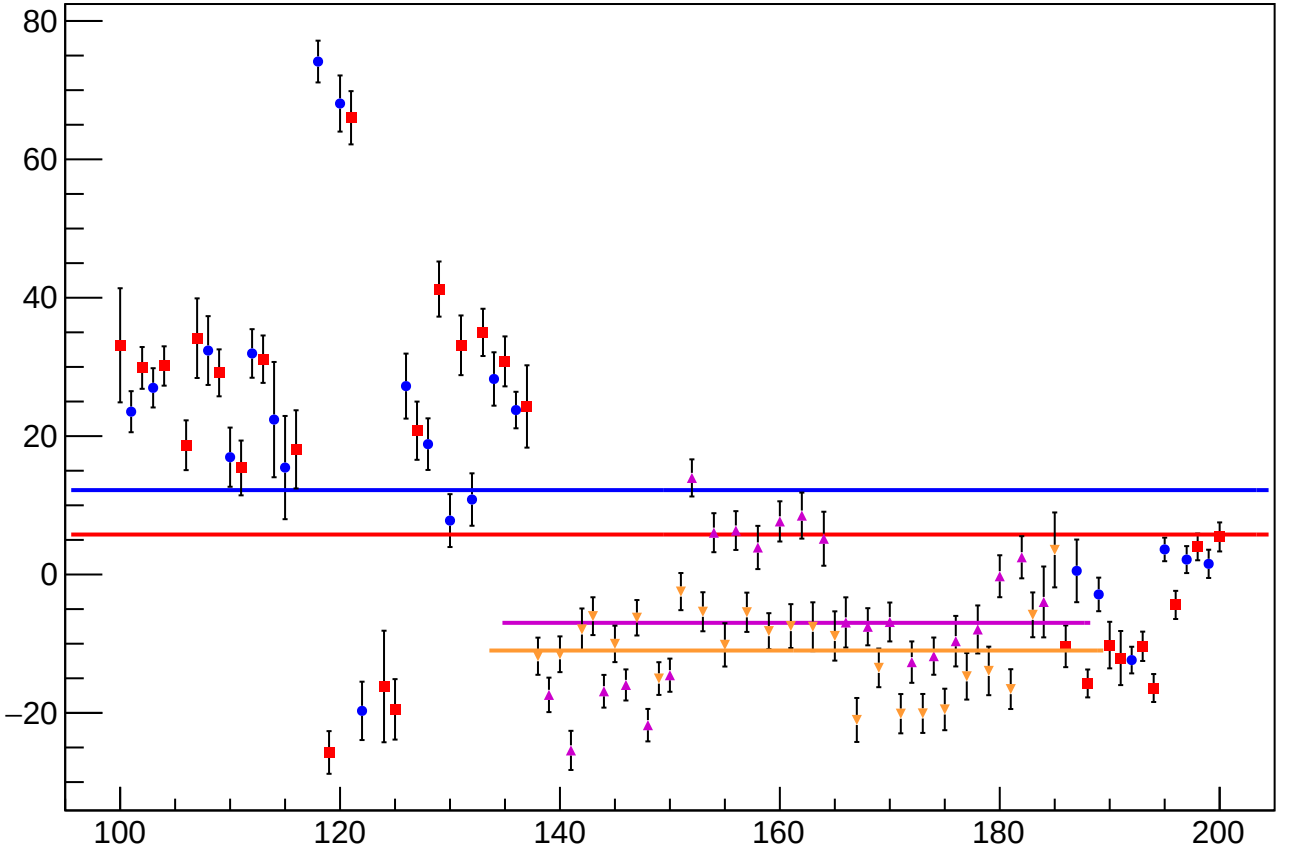
Right: 1914.727+/-0.276 χ^2/NDF: 1982471.2/49

In: 1979.800+/-0.262 χ^2/NDF:2111151.2/44

Out: 1979.761+/-0.248 χ^2/NDF:2144037.6/52

All: 1979.779+/-0.180 χ^2/NDF: 4255188.9/97

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 12.197+/-0.636 χ^2/NDF: 1099.5/21

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

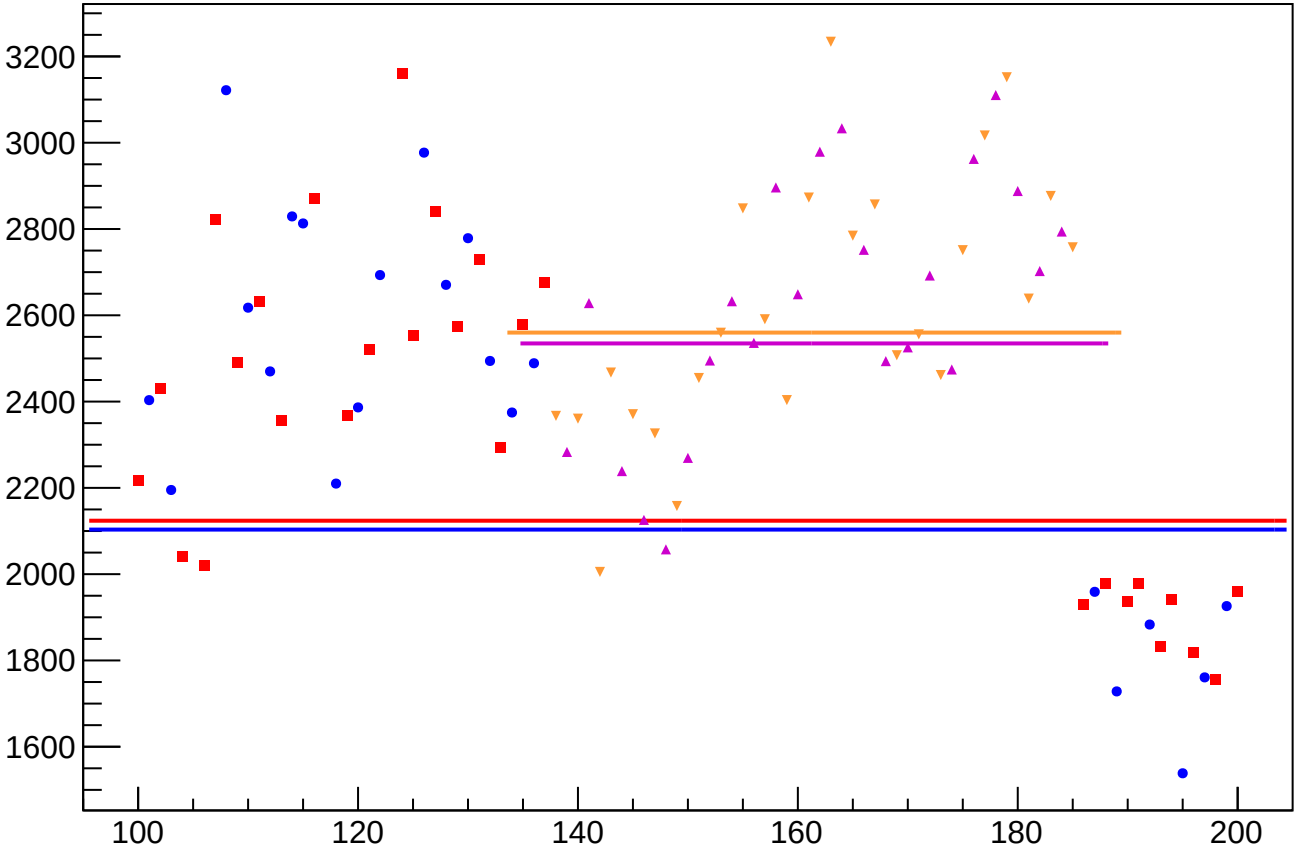
Right: 8.711+/-0.430 χ^2/NDF: 2497.0/49

In: 2.030+/-0.436 χ^2/NDF:1921.8/44

Out: -2.563+/-0.413 χ^2/NDF:1841.0/52

All: -0.387+/-0.300 χ^2/NDF: 3821.3/97

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2103.307+/-0.449 χ^2/NDF: 866239.2/21

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

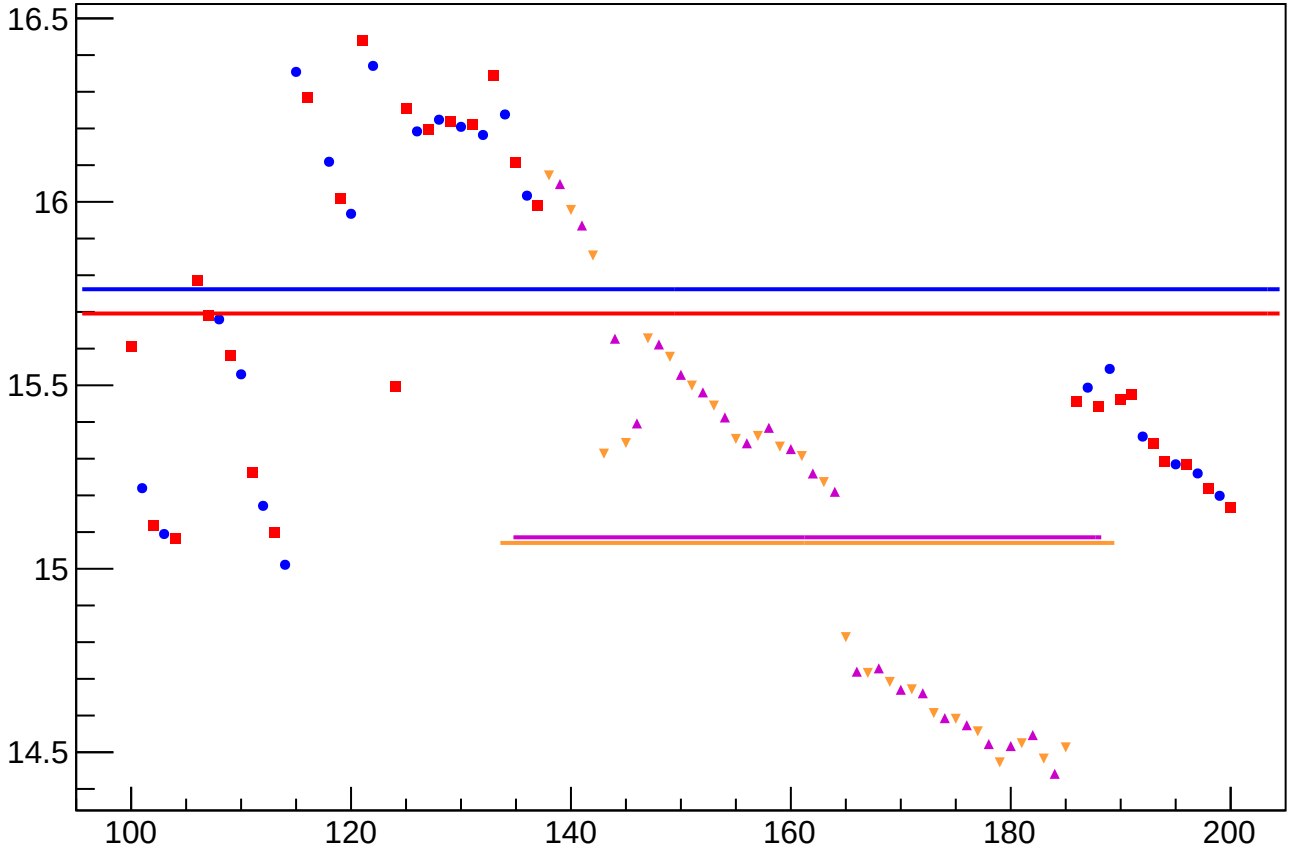
Right: 2114.481+/-0.304 χ^2/NDF: 1496447.0/49

In: 2331.996+/-0.308 χ^2/NDF:1818450.2/44

Out: 2340.836+/-0.292 χ^2/NDF:1635881.9/52

All: 2336.649+/-0.212 χ^2/NDF: 3454765.5/97

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.762+/-0.000 χ^2/NDF: 10455286216.5/21

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

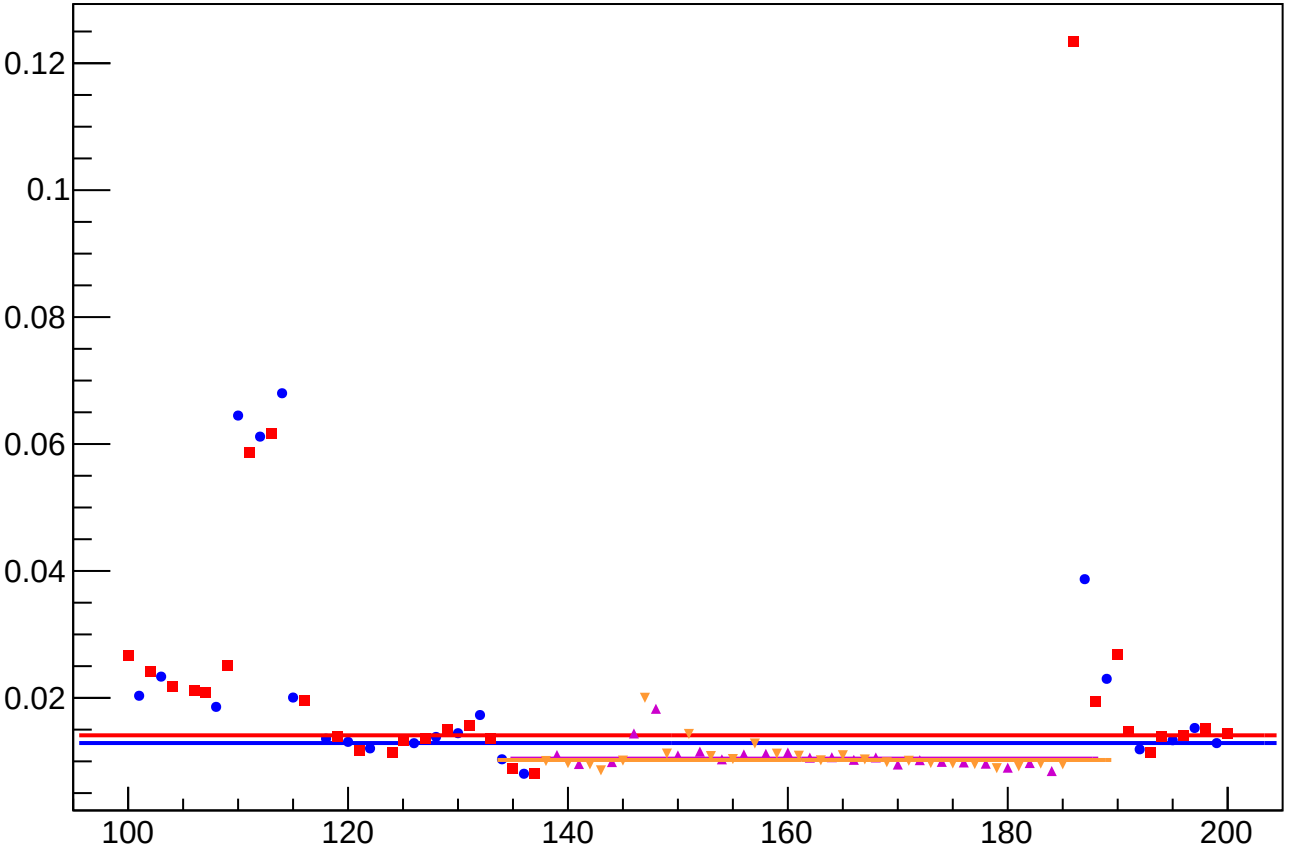
Right: 15.729+/-0.000 χ^2/NDF: 22233670928.7/49

In: 15.265+/-0.000 χ^2/NDF:69116634585.2/44

Out: 15.224+/-0.000 χ^2/NDF:72037981537.5/52

All: 15.244+/-0.000 χ^2/NDF: 141345278501.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2738071.8/21

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

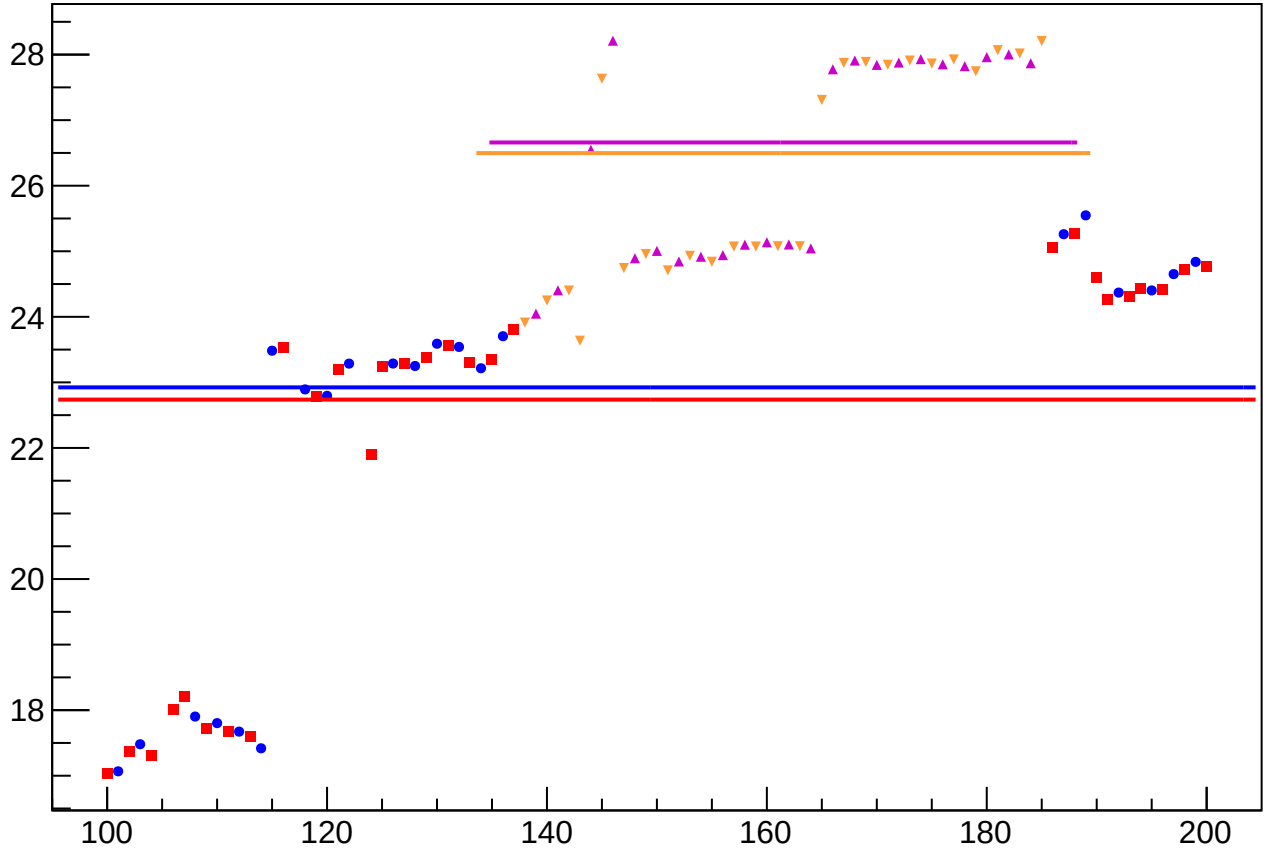
Right: 0.013+/-0.000 χ^2/NDF: 6052895.8/49

In: 0.011+/-0.000 χ^2/NDF:3841993.2/44

Out: 0.011+/-0.000 χ^2/NDF:5278737.3/52

All: 0.011+/-0.000 χ^2/NDF: 9122530.7/97

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.924+/-0.000 χ^2/NDF: 1357938272.3/21

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

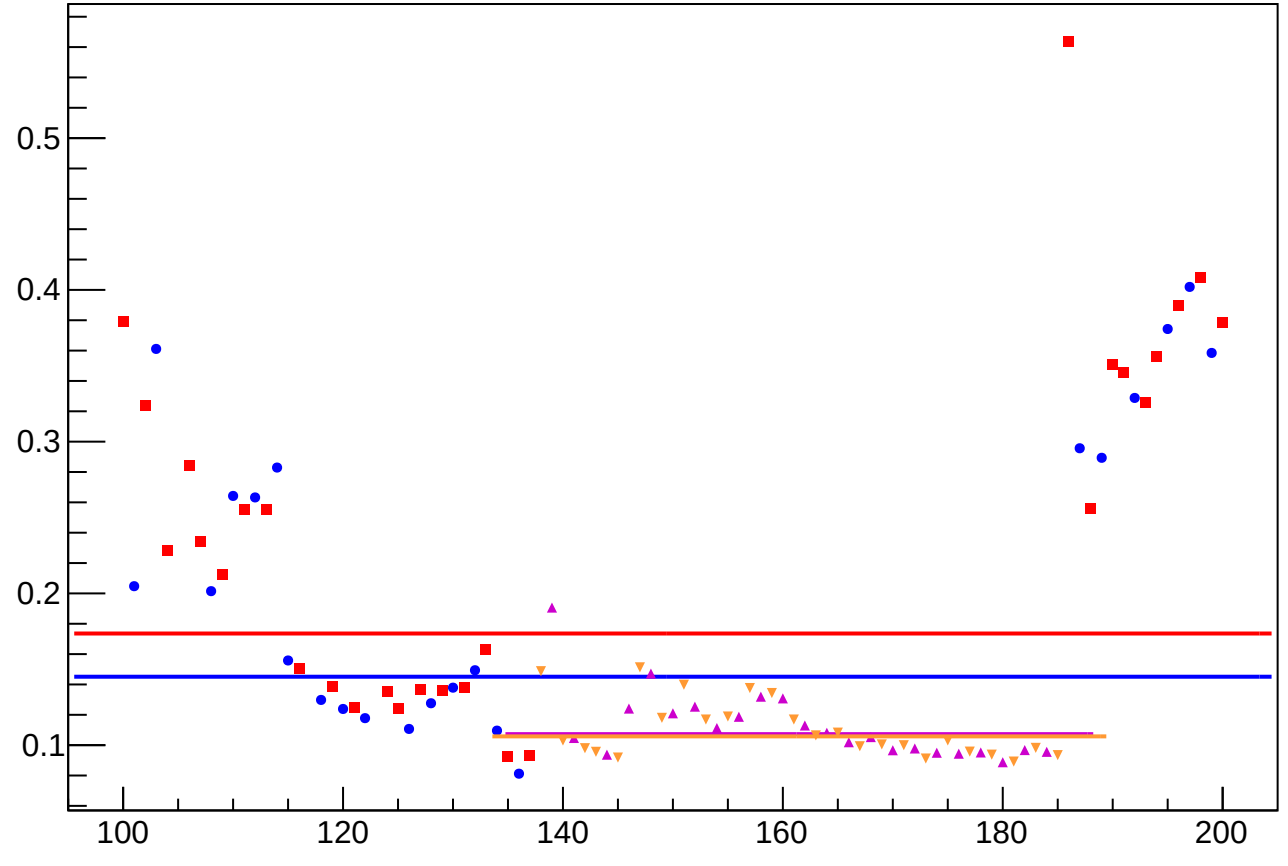
Right: 22.837+/-0.000 χ^2/NDF: 2825808675.2/49

In: 25.846+/-0.000 χ^2/NDF:8378202181.8/44

Out: 25.813+/-0.000 χ^2/NDF:9191386003.1/52

All: 25.829+/-0.000 χ^2/NDF: 17570585714.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.145+/-0.000 χ^2/NDF: 4917939.1/21

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

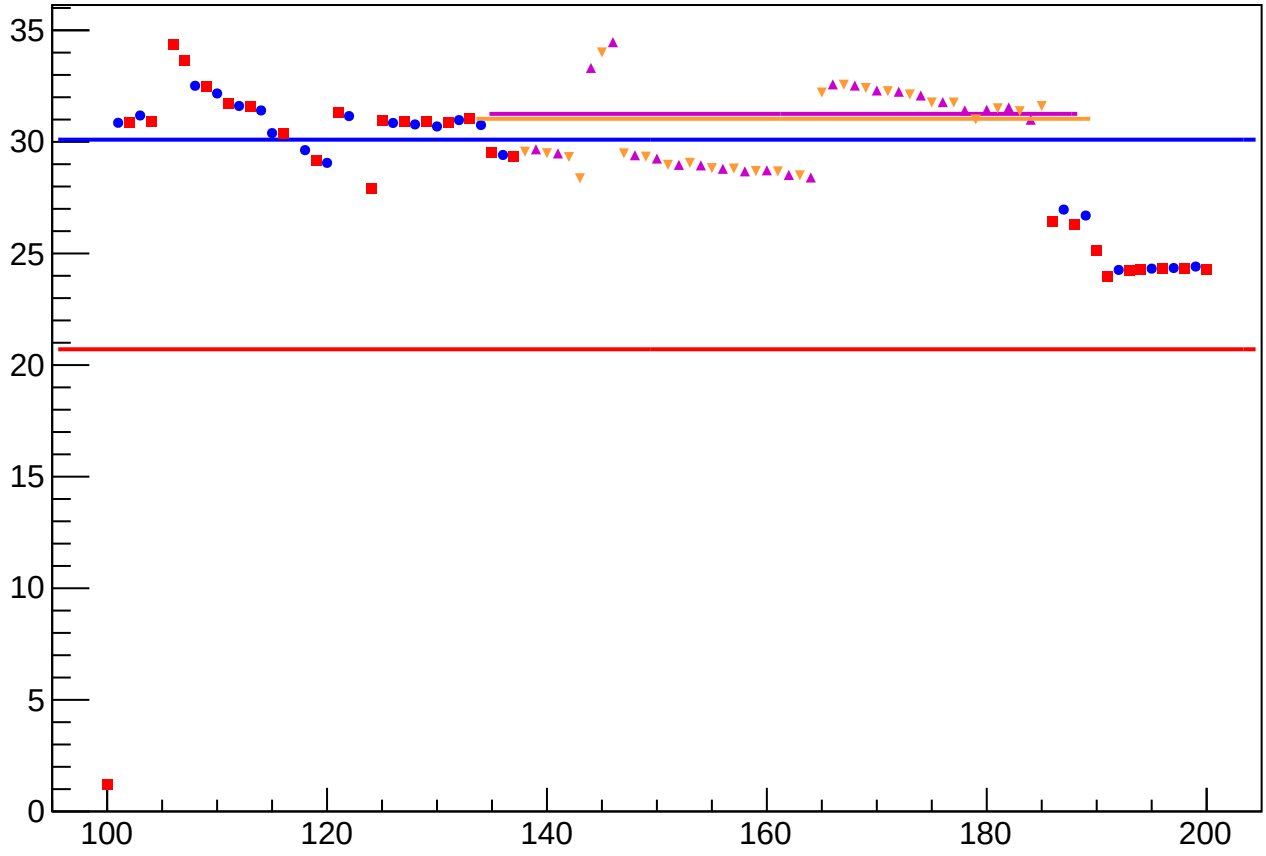
Right: 0.158+/-0.000 χ^2/NDF: 10513094.3/49

In: 0.116+/-0.000 χ^2/NDF:6625280.8/44

Out: 0.118+/-0.000 χ^2/NDF:8548021.6/52

All: 0.117+/-0.000 χ^2/NDF: 15185614.3/97

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.100+/-0.000 χ^2/NDF: 2816424146.9/21

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

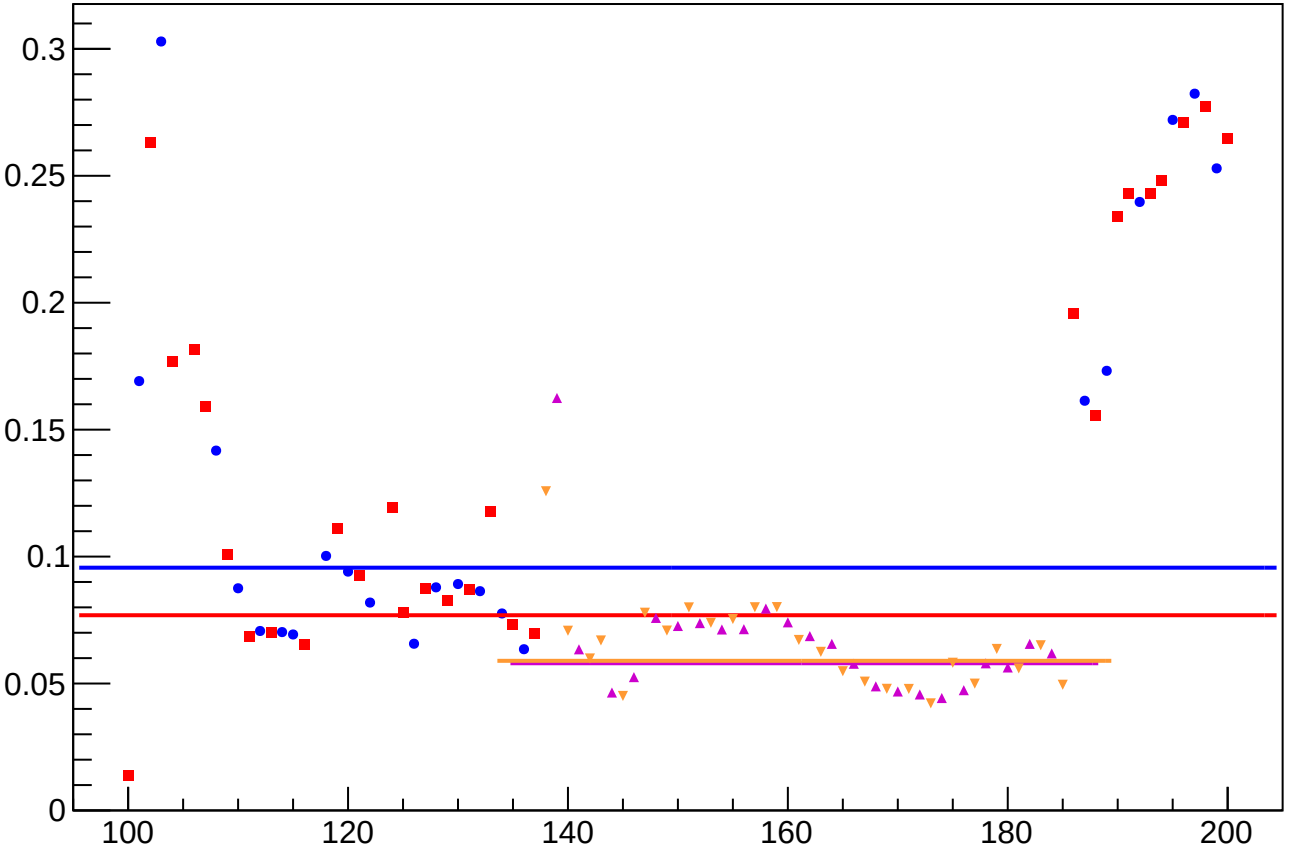
Right: 24.584+/-0.000 χ^2/NDF: 270730684820.4/49

In: 31.058+/-0.000 χ^2/NDF:16346466975.9/44

Out: 28.764+/-0.000 χ^2/NDF:336297534482.6/52

All: 29.855+/-0.000 χ^2/NDF: 366381455300.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.096+/-0.000 χ^2/NDF: 4576373.6/21

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.077+/-0.000 χ^2/NDF: 9950214.0/27

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

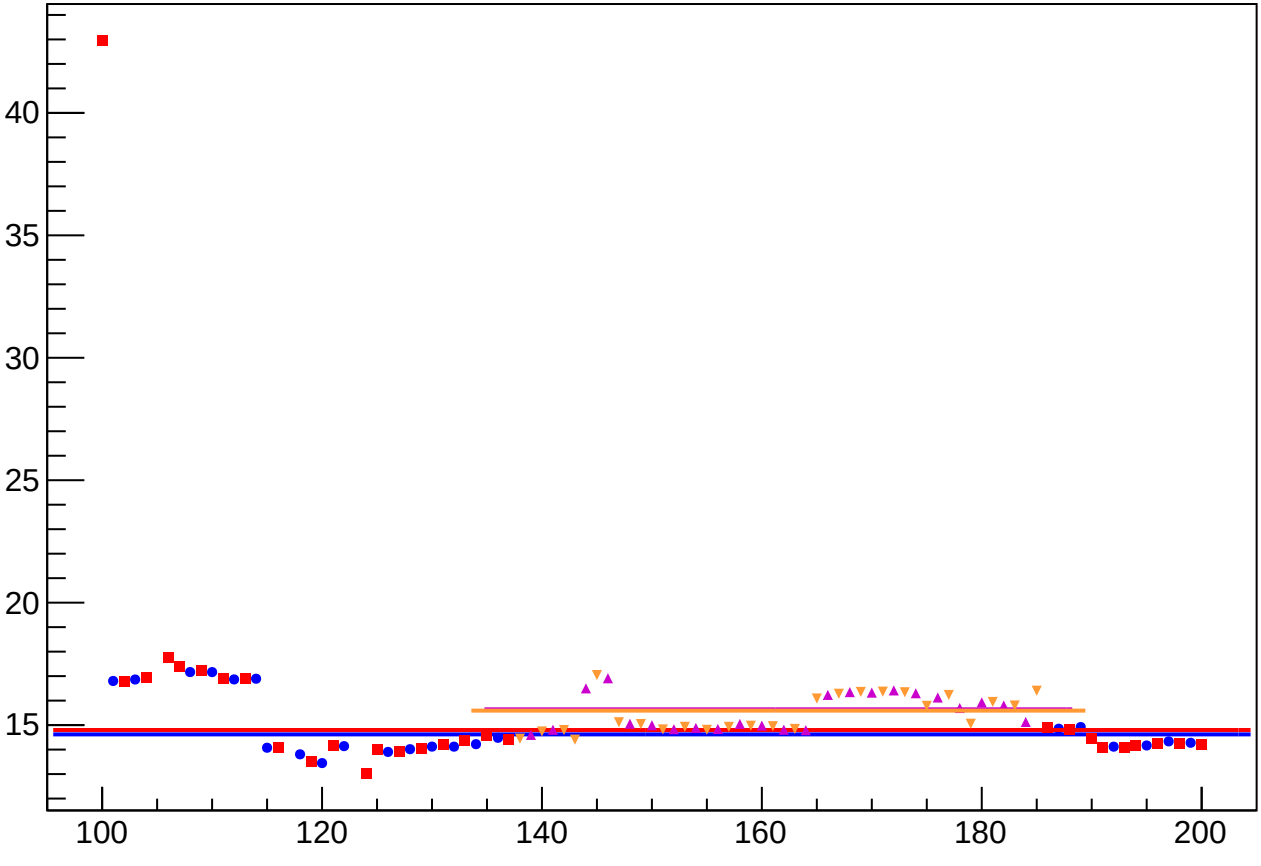
Right: 0.085+/-0.000 χ^2/NDF: 14876140.8/49

In: 0.064+/-0.000 χ^2/NDF:8287419.8/44

Out: 0.063+/-0.000 χ^2/NDF:12094034.9/52

All: 0.064+/-0.000 χ^2/NDF: 20393412.4/97

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.620+/-0.000 χ^2/NDF: 1207945398.4/21

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

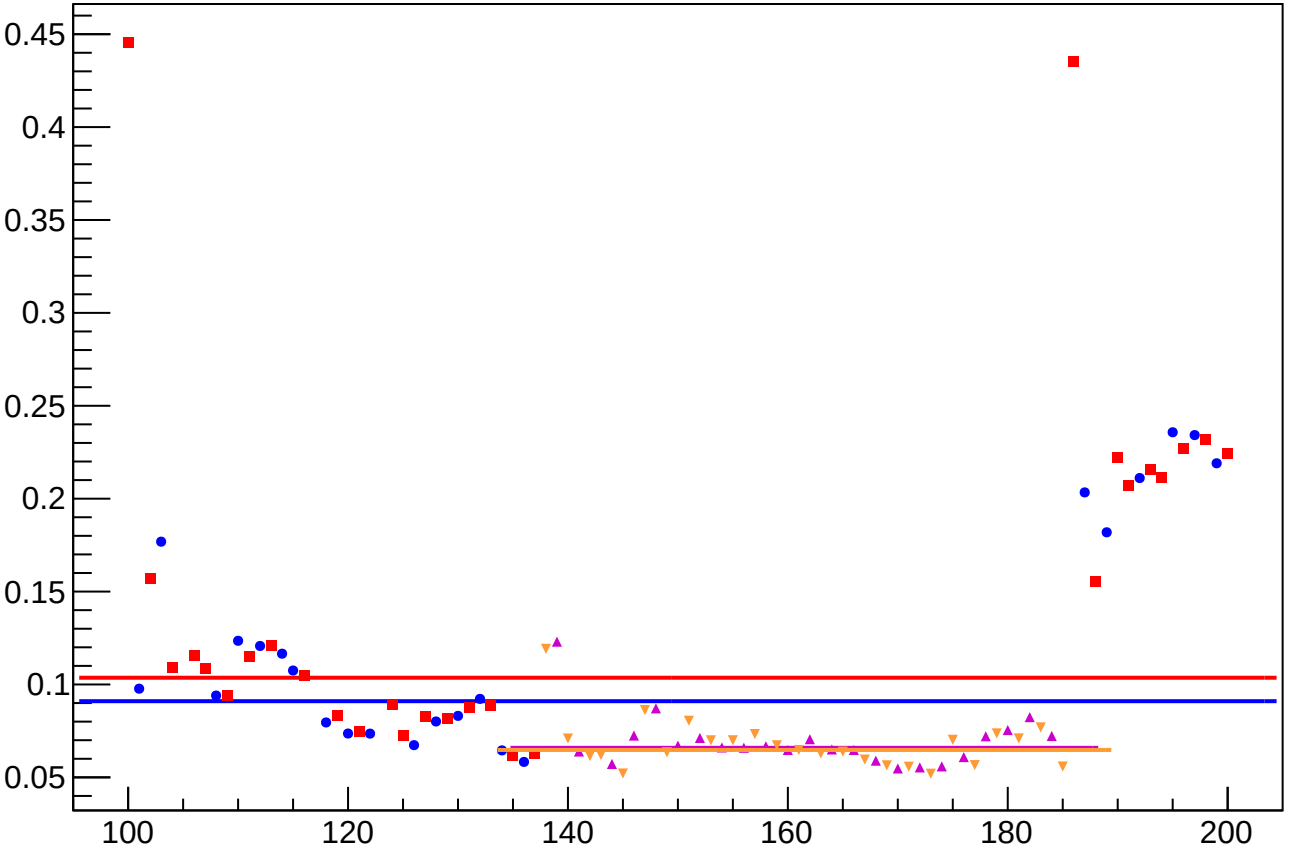
Right: 14.707+/-0.000 χ^2/NDF: 2993278185.4/49

In: 15.416+/-0.000 χ^2/NDF:3904369264.9/44

Out: 15.435+/-0.000 χ^2/NDF:4509561872.3/52

All: 15.426+/-0.000 χ^2/NDF: 8414796676.9/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 4012844.5/21

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

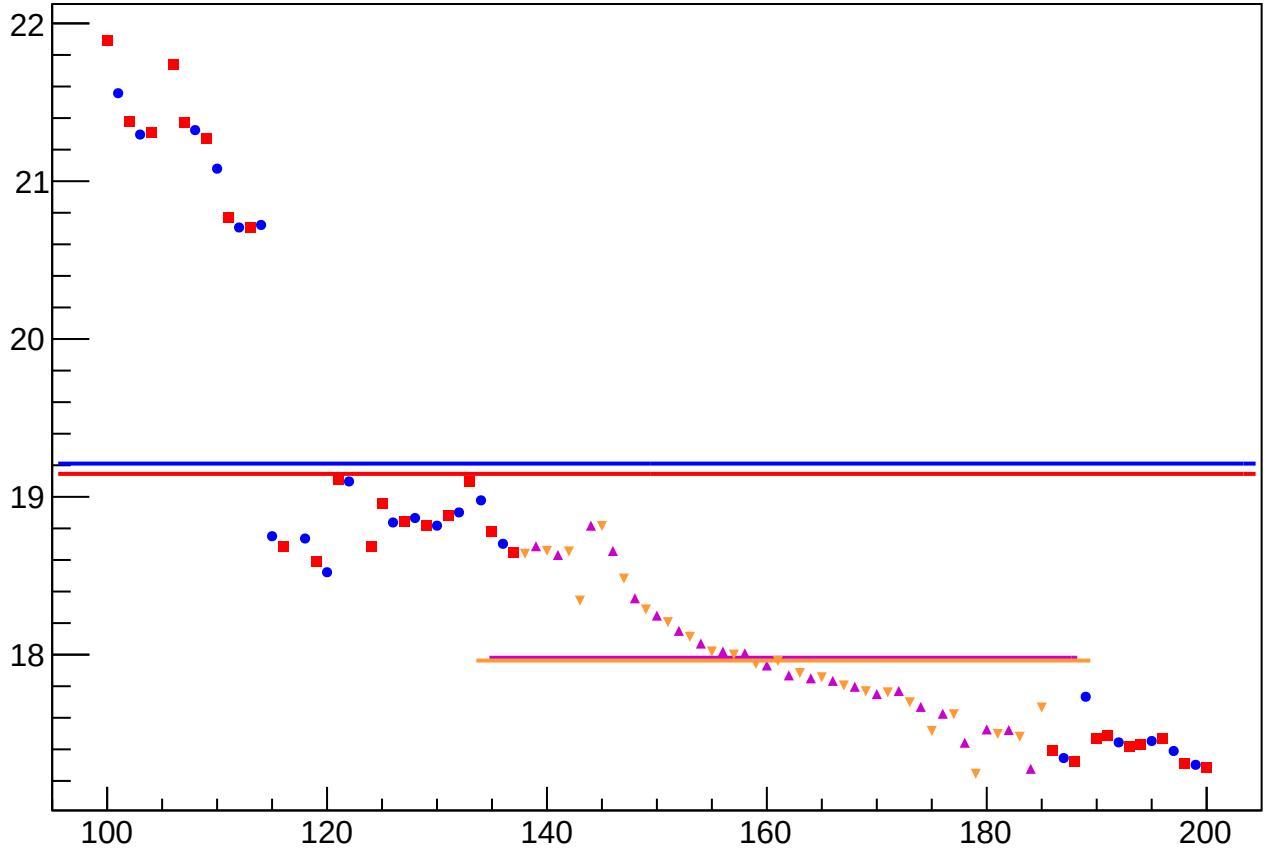
Right: 0.097+/-0.000 χ^2/NDF: 8770655.4/49

In: 0.071+/-0.000 χ^2/NDF:5808092.0/44

Out: 0.072+/-0.000 χ^2/NDF:7780880.1/52

All: 0.072+/-0.000 χ^2/NDF: 13592897.6/97

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.211+/-0.000 χ^2/NDF: 24162683960.2/21

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

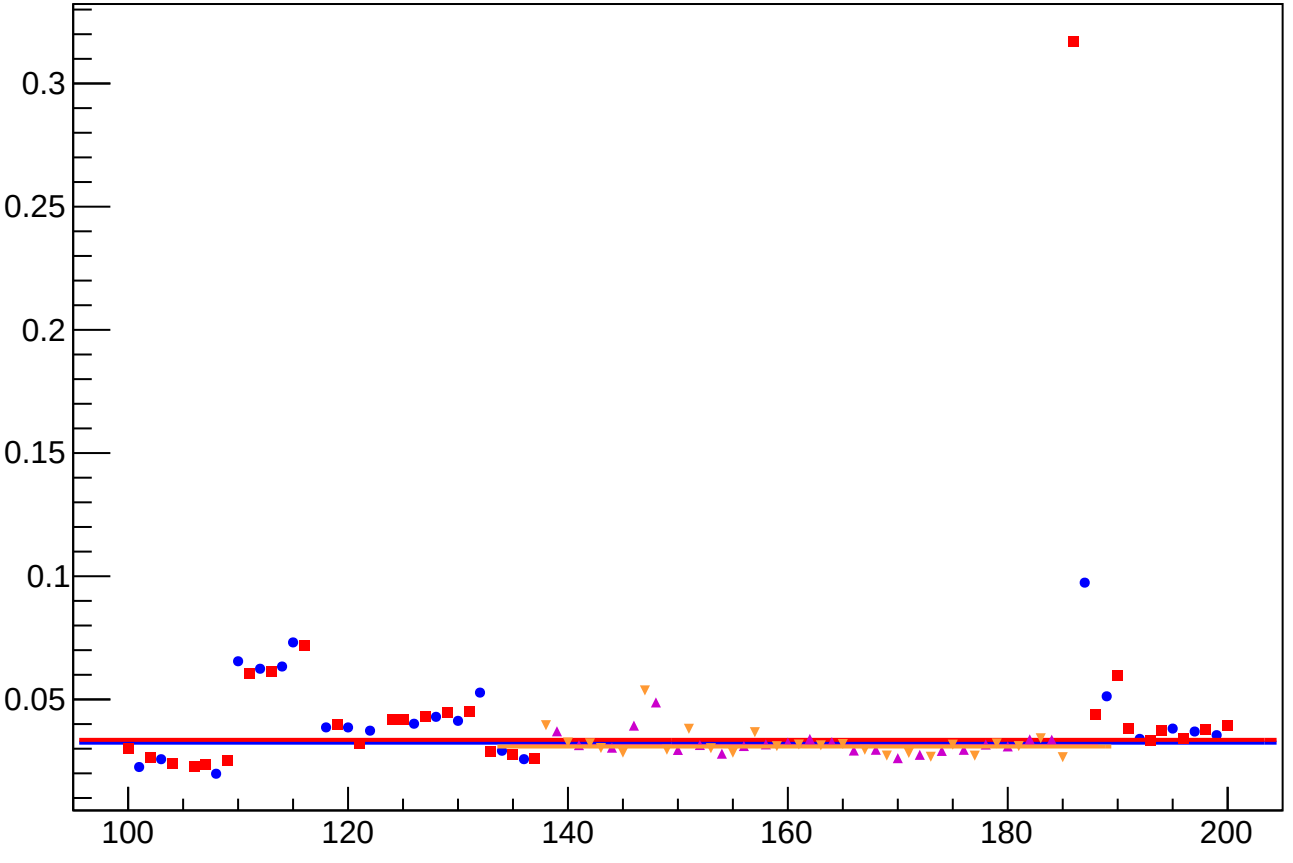
Right: 19.176+/-0.000 χ^2/NDF: 53320782230.4/49

In: 18.403+/-0.000 χ^2/NDF:36181730151.8/44

Out: 18.377+/-0.000 χ^2/NDF:41573191693.3/52

All: 18.390+/-0.000 χ^2/NDF: 77764991324.7

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 1877869.0/21

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

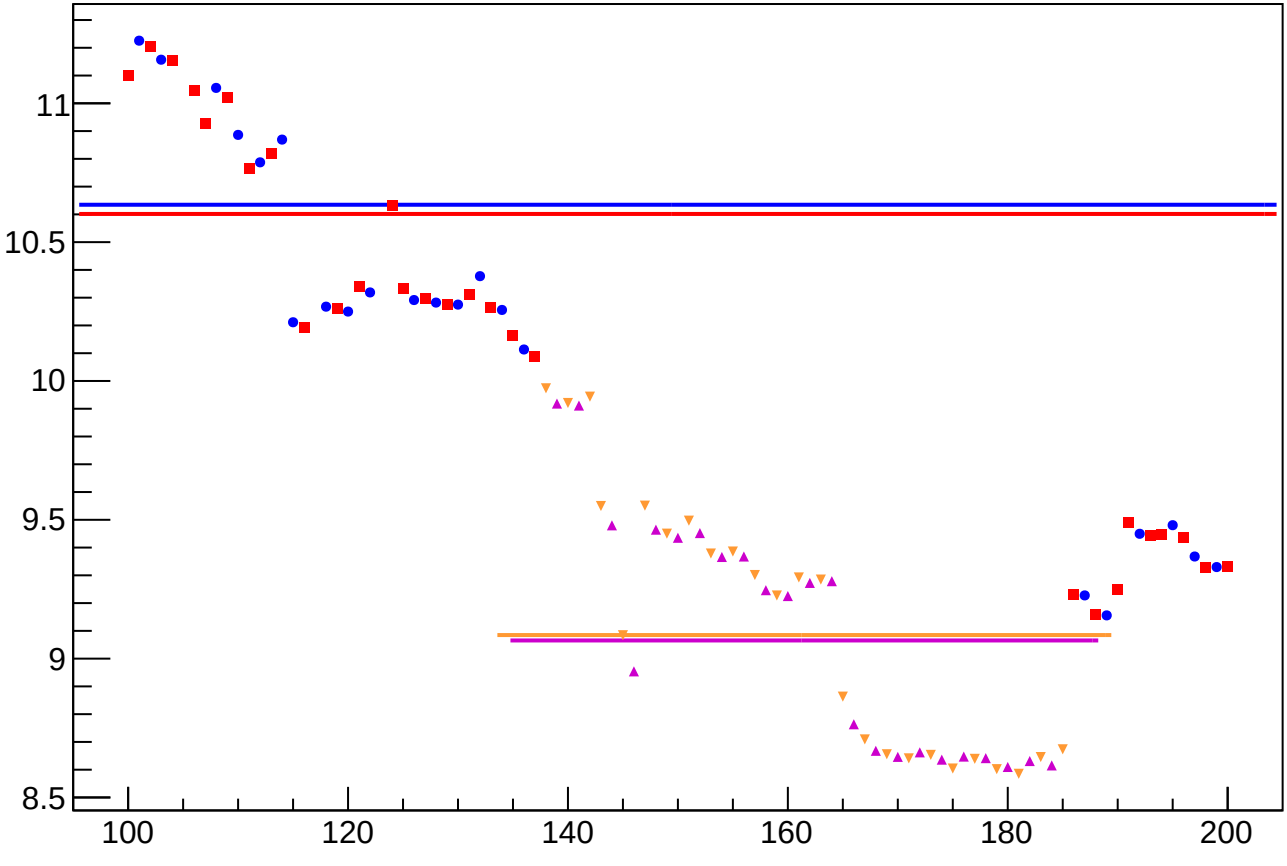
Right: 0.033+/-0.000 χ^2/NDF: 4112907.3/49

In: 0.032+/-0.000 χ^2/NDF:2381900.0/44

Out: 0.032+/-0.000 χ^2/NDF:2953977.7/52

All: 0.032+/-0.000 χ^2/NDF: 5337647.4/97

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.635+/-0.000 χ^2/NDF: 9640151366.8/21

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

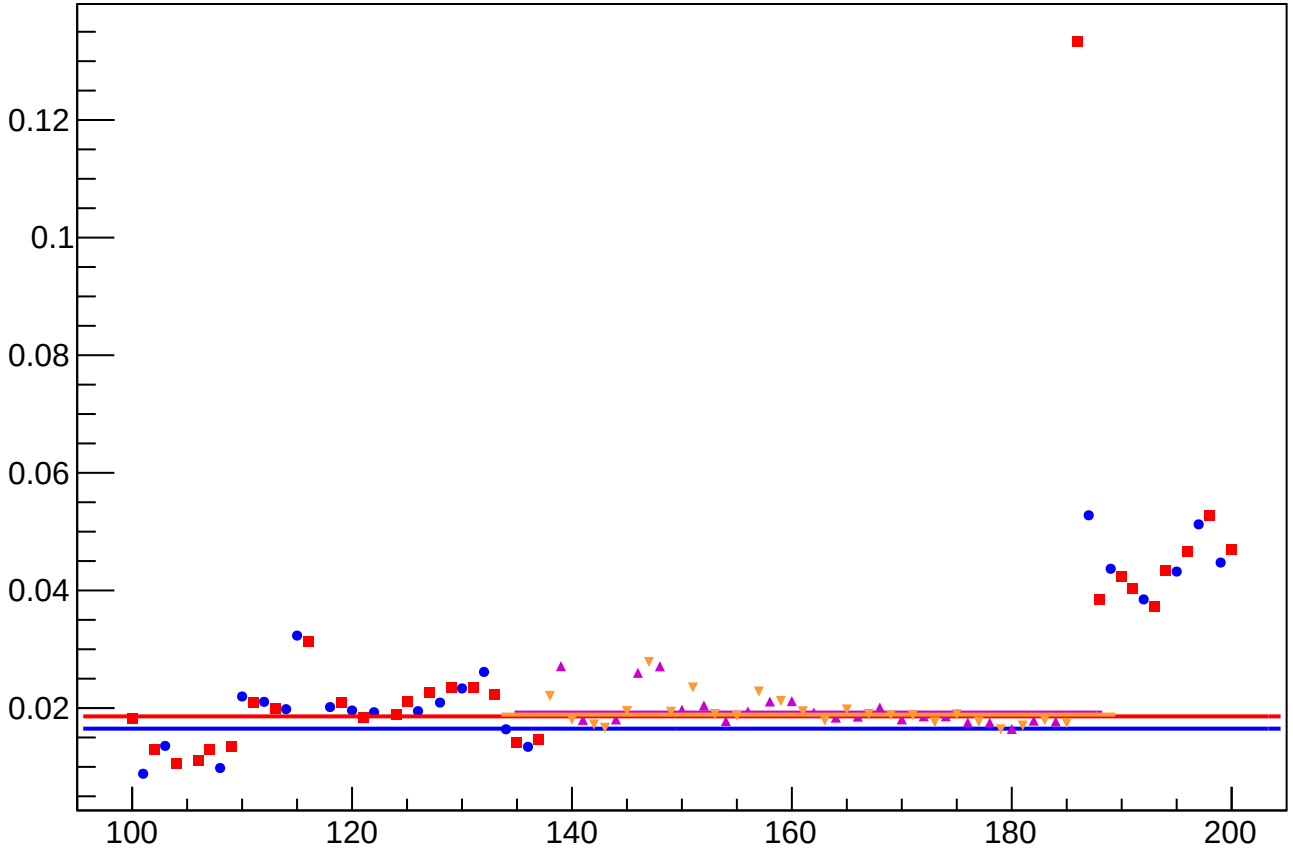
Right: 10.618+/-0.000 χ^2/NDF: 19460734138.1/49

In: 9.693+/-0.000 χ^2/NDF:61775820397.1/44

Out: 9.642+/-0.000 χ^2/NDF:61624666843.2/52

All: 9.667+/-0.000 χ^2/NDF: 123498884569.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 5039107.3/21

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

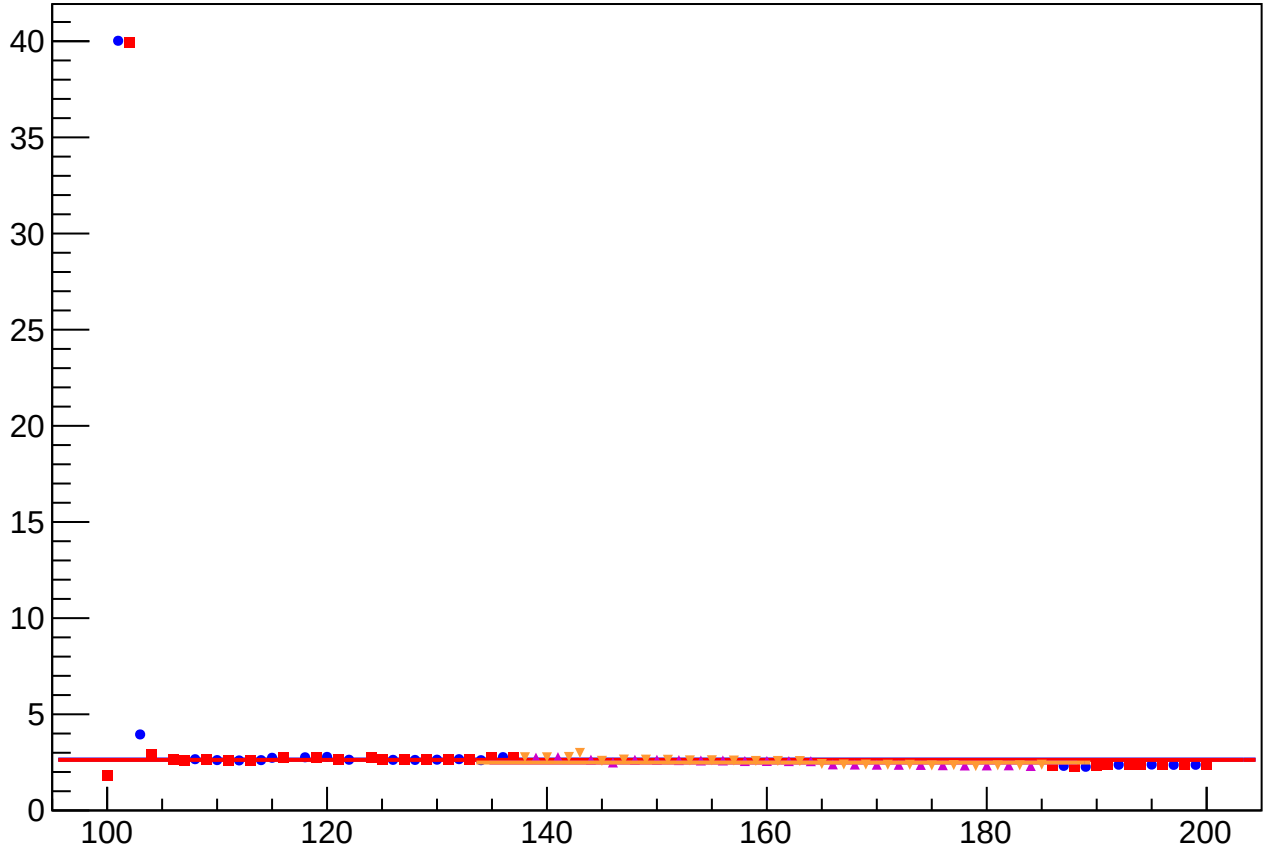
Right: 0.018+/-0.000 χ^2/NDF: 11025187.5/49

In: 0.018+/-0.000 χ^2/NDF:5847147.3/44

Out: 0.019+/-0.000 χ^2/NDF:6303766.7/52

All: 0.018+/-0.000 χ^2/NDF: 12182285.0/97

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.646+/-0.000 χ^2/NDF: 75888087175.2/21

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

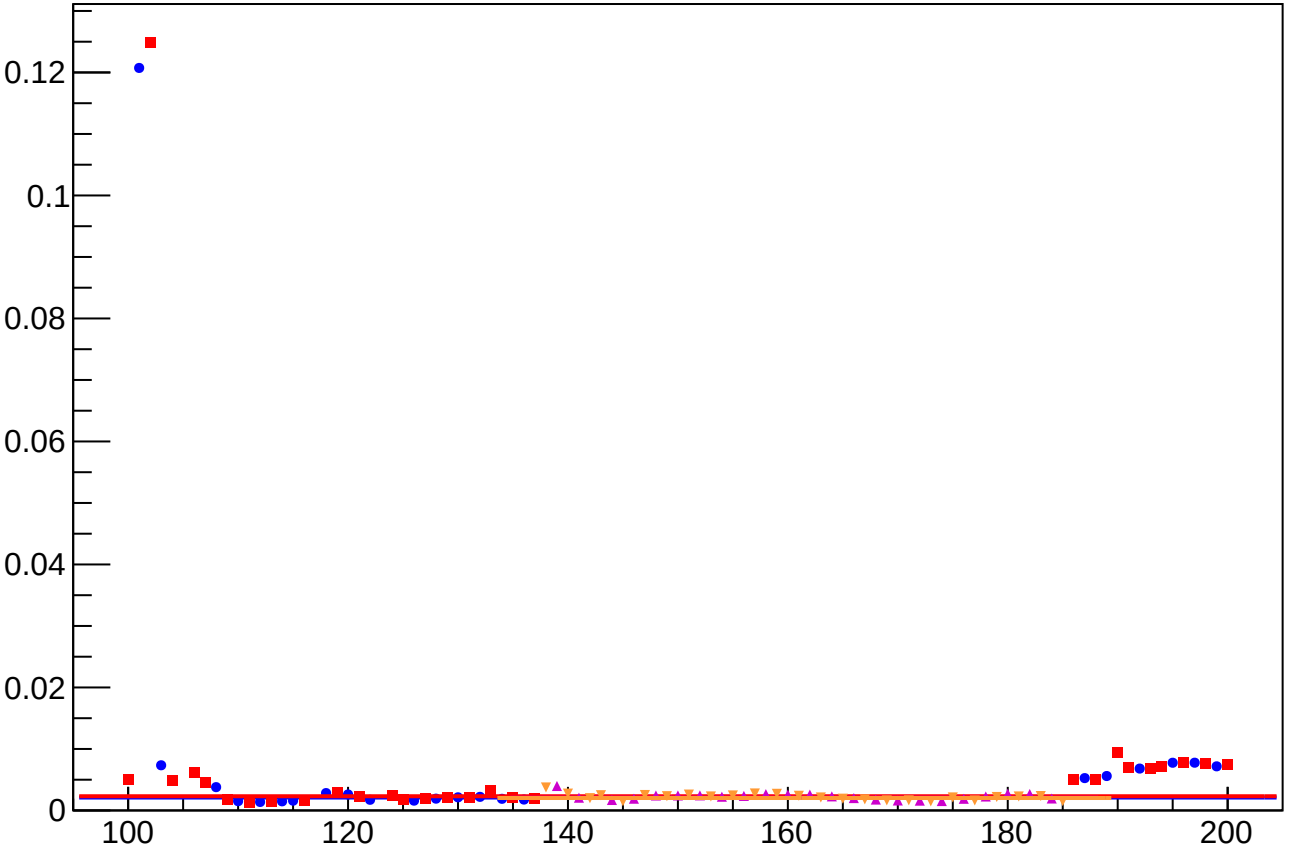
Right: 2.637+/-0.000 χ^2/NDF: 153262882376.5/49

In: 2.537+/-0.000 χ^2/NDF:163378684966.8/44

Out: 2.531+/-0.000 χ^2/NDF:190220119856.2/52

All: 2.534+/-0.000 χ^2/NDF: 353688357532.5

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6145710.5/21

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

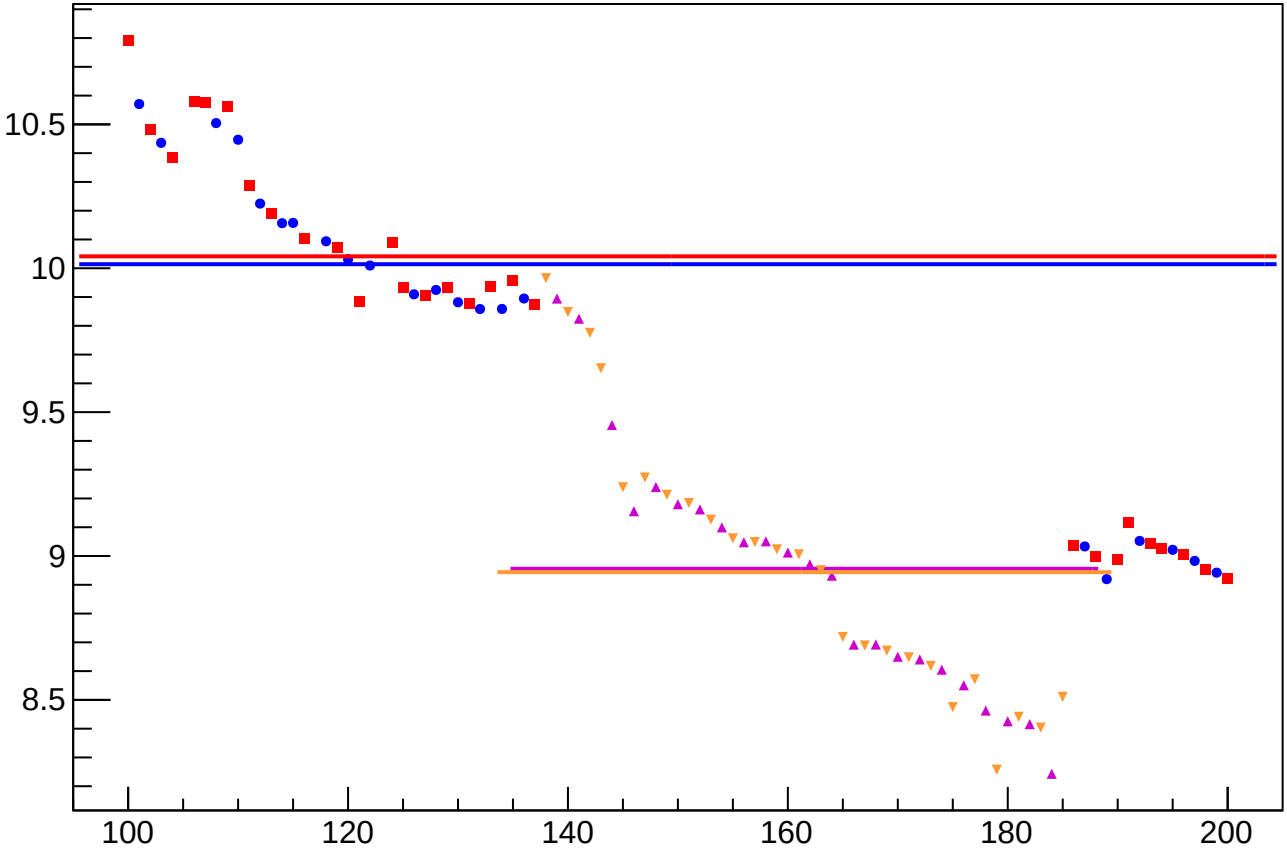
Right: 0.002+/-0.000 χ^2/NDF: 14472465.9/49

In: 0.002+/-0.000 χ^2/NDF:7550850.1/44

Out: 0.002+/-0.000 χ^2/NDF:9996255.4/52

All: 0.002+/-0.000 χ^2/NDF: 17551751.1/97

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.014+/-0.000 χ^2/NDF: 28836431482.9/21

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

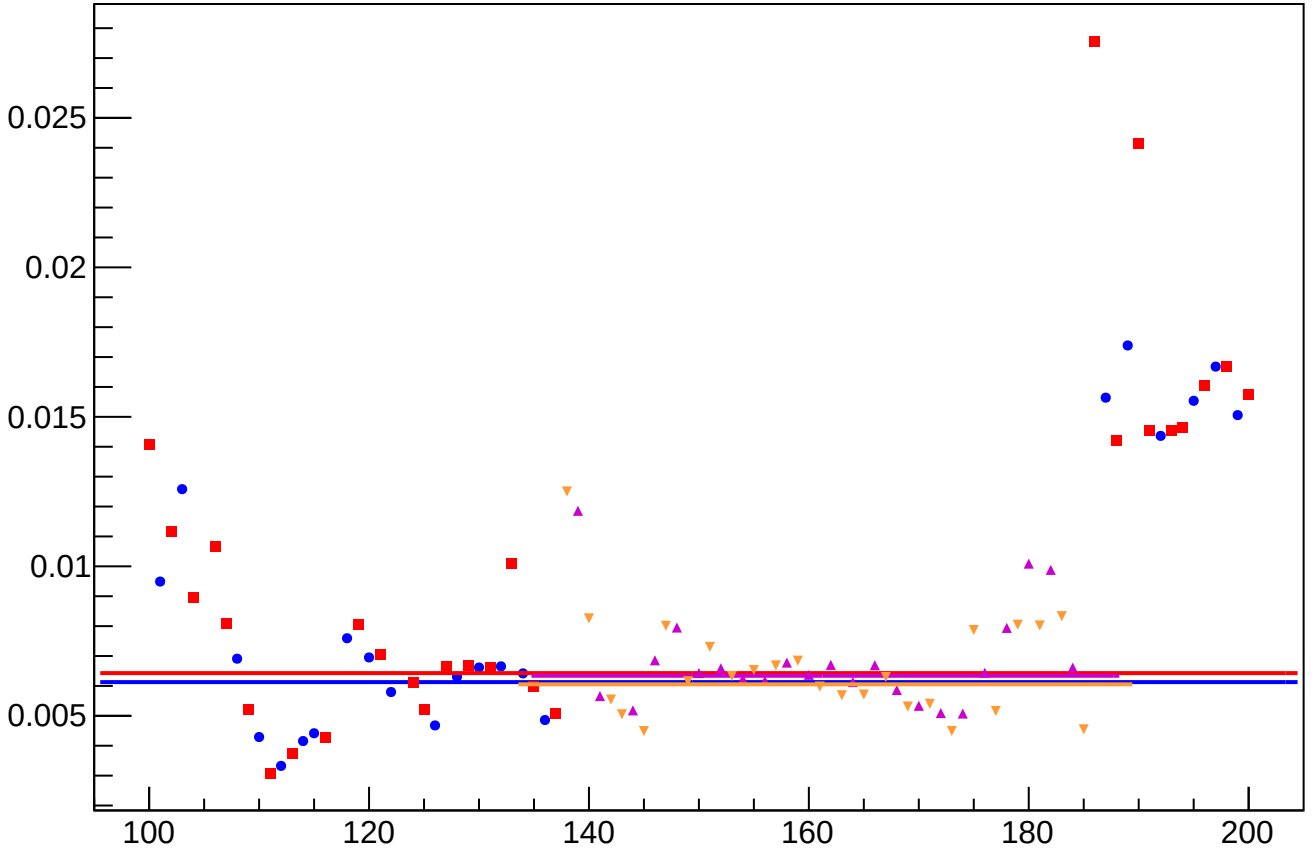
Right: 10.028+/-0.000 χ^2/NDF: 67673976026.6/49

In: 9.345+/-0.000 χ^2/NDF:229716618284.9/44

Out: 9.325+/-0.000 χ^2/NDF:278617480773.7/52

All: 9.334+/-0.000 χ^2/NDF: 508461509303.3

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4637086.7/21

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

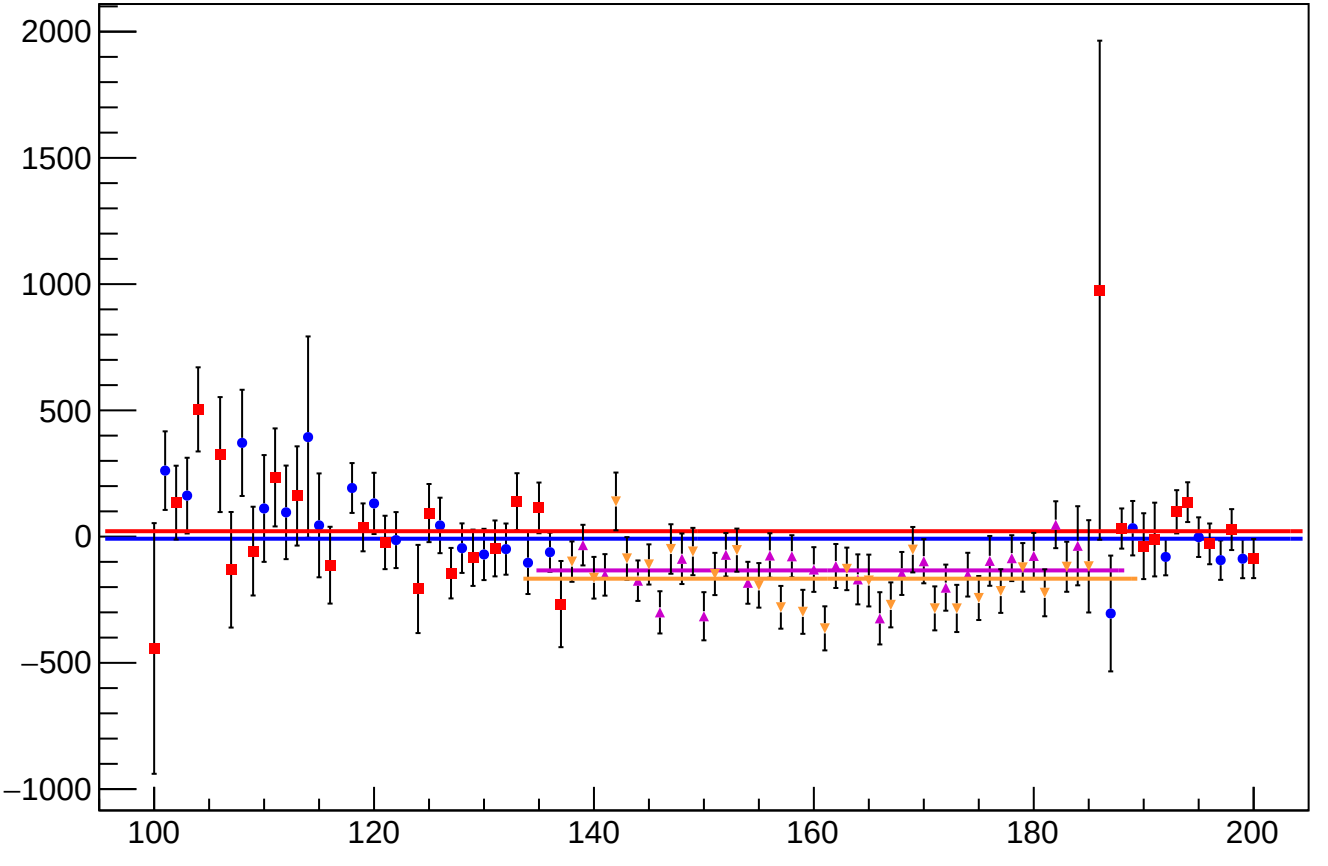
Right: 0.006+/-0.000 χ^2/NDF: 11348335.8/49

In: 0.006+/-0.000 χ^2/NDF:5824311.4/44

Out: 0.006+/-0.000 χ^2/NDF:8193363.0/52

All: 0.006+/-0.000 χ^2/NDF: 14021321.0/97

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -8.367+/-23.296 χ^2/NDF: 21.8/21

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

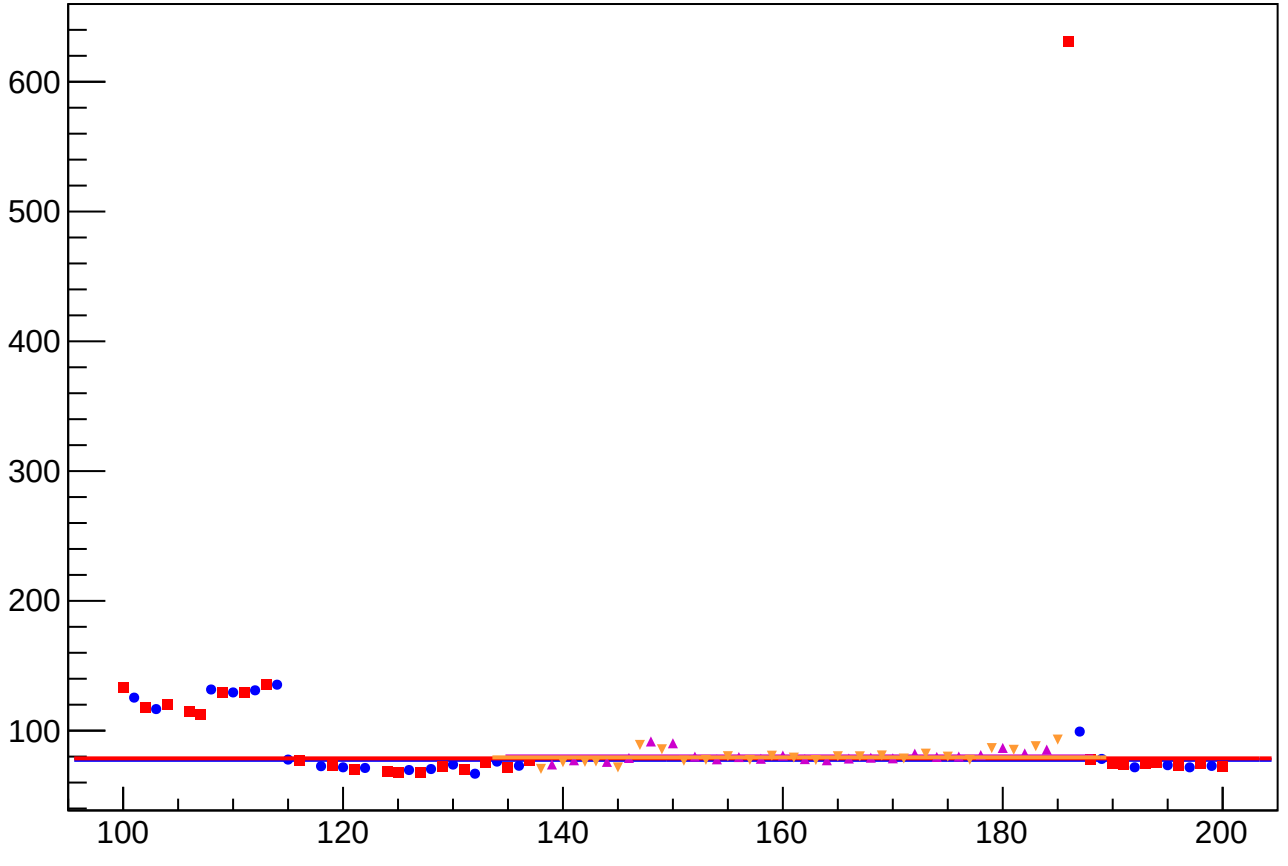
Right: 7.379+/-15.985 χ^2/NDF: 55.0/49

In: -84.497+/-14.609 χ^2/NDF:60.1/44

Out: -90.757+/-13.961 χ^2/NDF:107.7/52

All: -87.769+/-10.093 χ^2/NDF: 167.9/97

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.504+/-0.016 χ^2/NDF: 911508.4/21

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

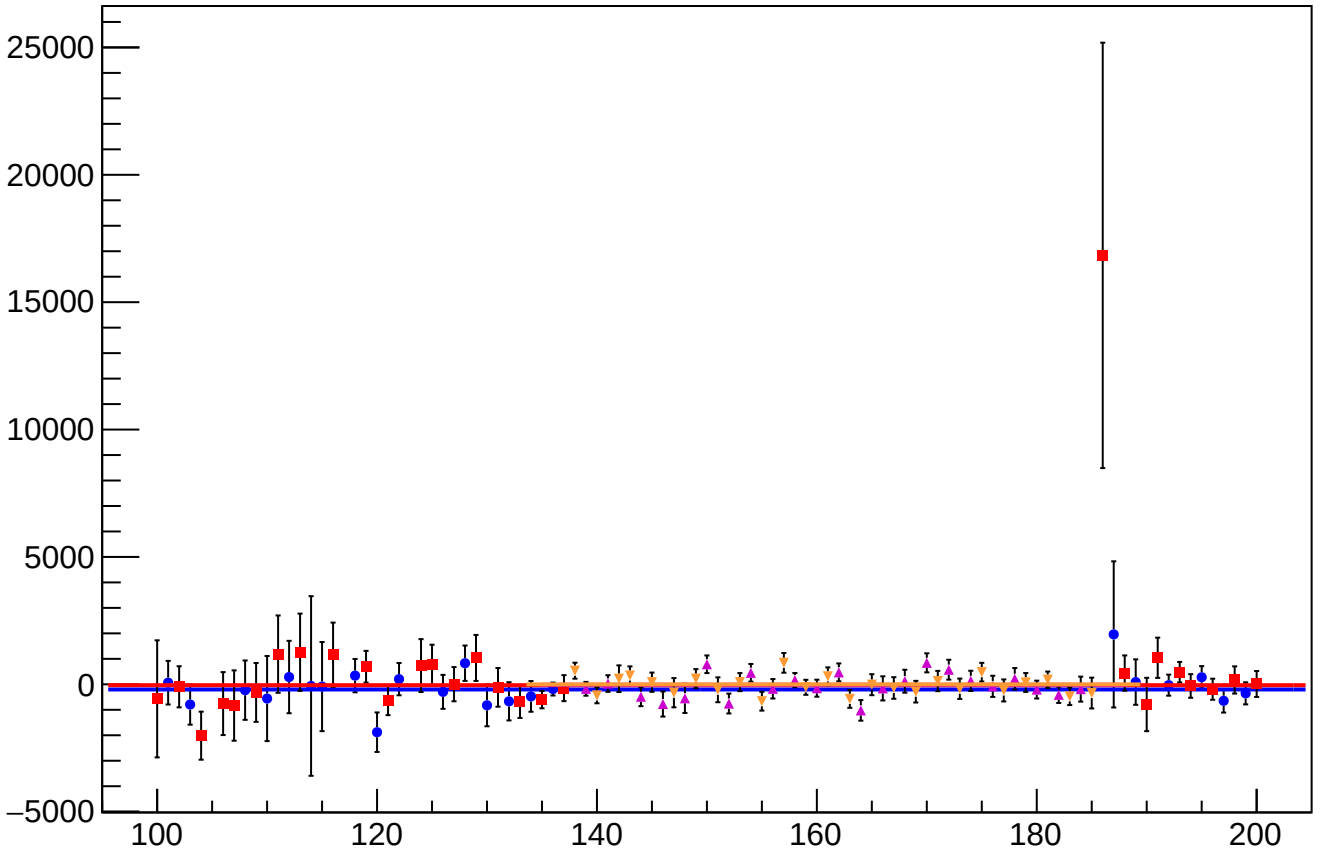
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 78.105+/-0.011 χ^2/NDF: 2532508.2/49

In: 79.116+/-0.010 χ^2/NDF:1018746.2/44

Out: 79.099+/-0.010 χ^2/NDF:1754749.6/52

All: 79.107+/-0.007 χ^2/NDF: 2773497.2/97



Right In: -202.528+/-129.298 χ^2/NDF: 13.1/21

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

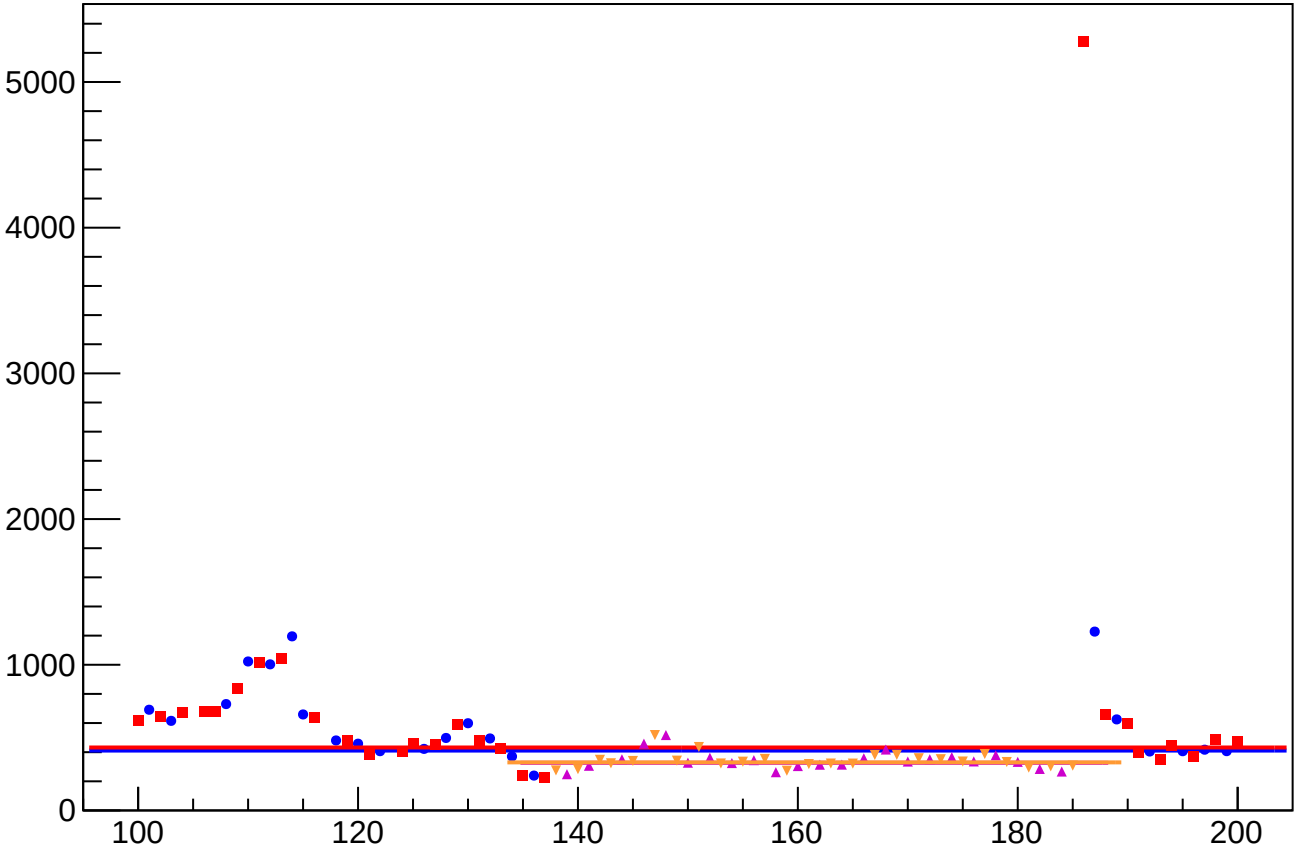
Right: -115.962+/-90.192 χ^2/NDF: 39.6/49

In: -67.765+/-66.499 χ^2/NDF:49.6/44

Out: -11.587+/-64.974 χ^2/NDF:49.7/52

All: -39.025+/-46.474 χ^2/NDF: 99.7/97

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 411.078+/-0.091 χ^2/NDF: 2643543.2/21

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

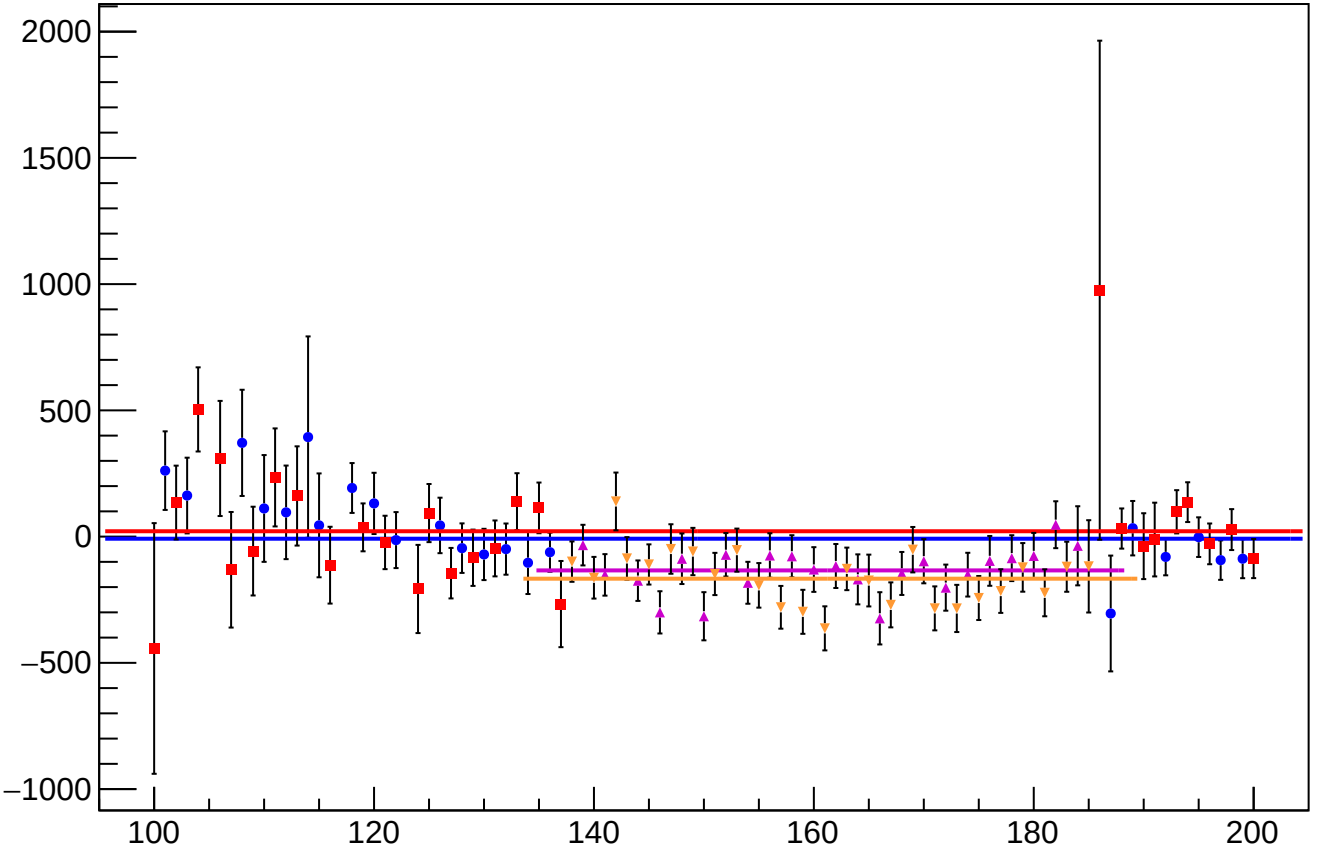
Right: 421.898+/-0.064 χ^2/NDF: 6147772.4/49

In: 349.213+/-0.047 χ^2/NDF:4165411.5/44

Out: 357.195+/-0.046 χ^2/NDF:5103059.8/52

All: 353.297+/-0.033 χ^2/NDF: 9283214.6/97

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

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

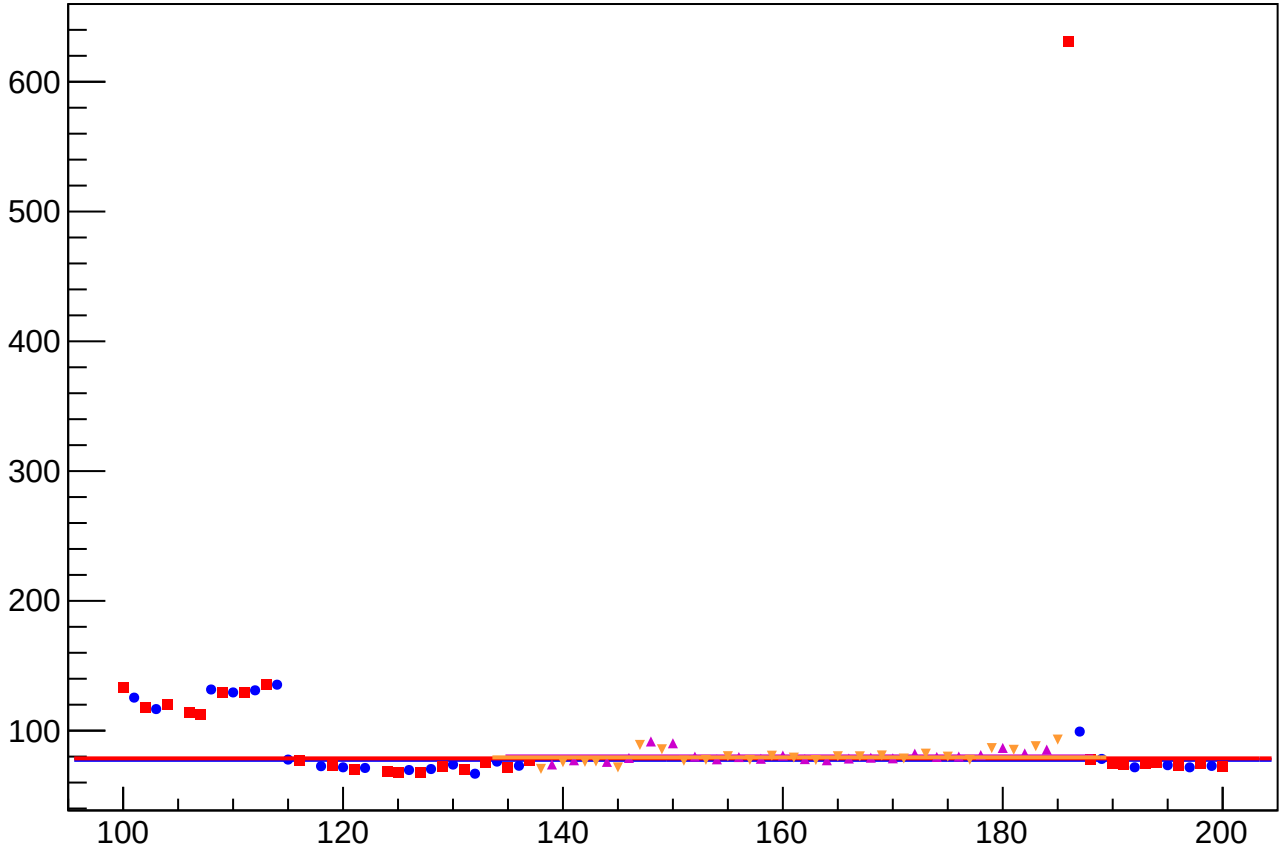
Right: 7.303+/-15.985 χ^2/NDF: 54.8/49

In: -84.499+/-14.609 χ^2/NDF:60.1/44

Out: -90.818+/-13.961 χ^2/NDF:107.5/52

All: -87.802+/-10.093 χ^2/NDF: 167.7/97

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

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

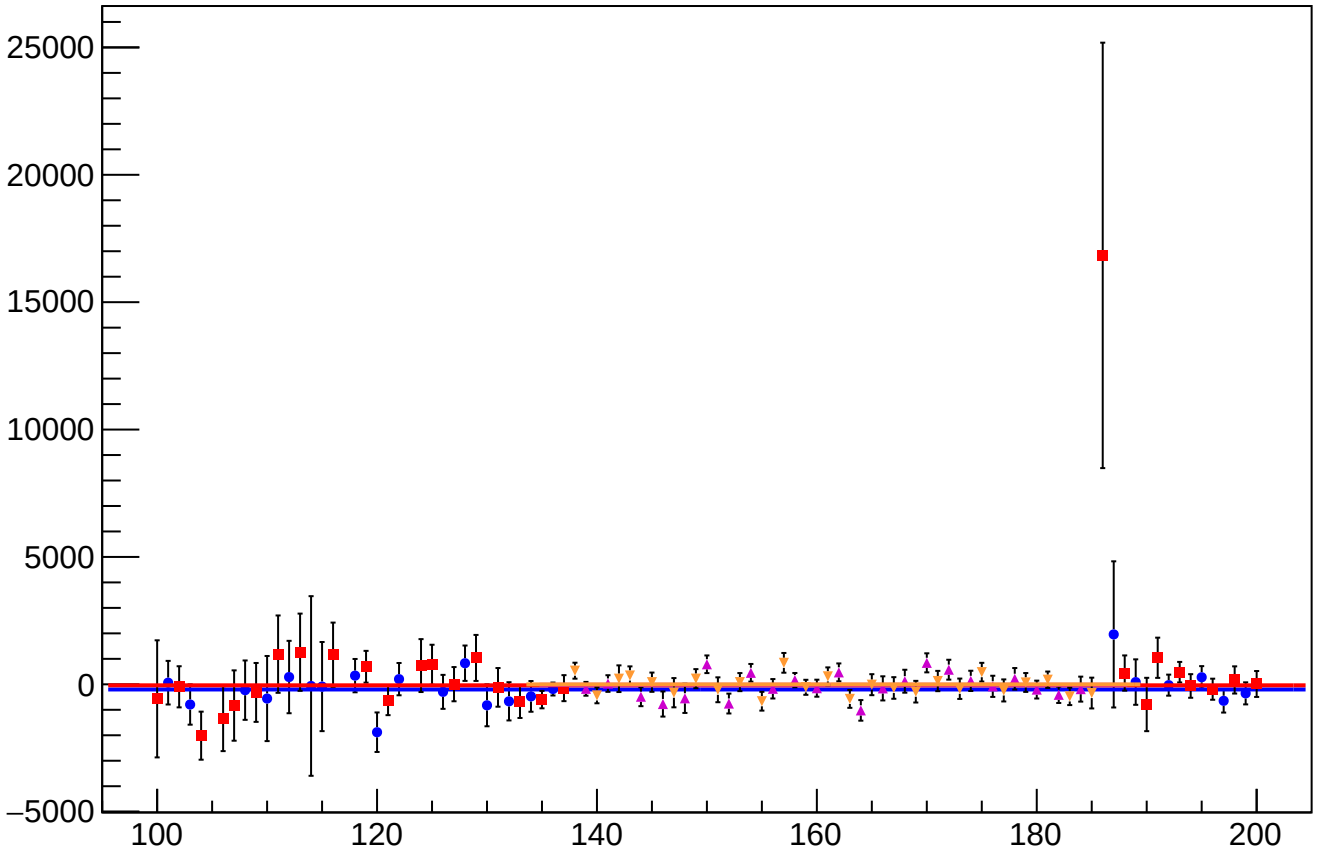
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.101+/-0.011 χ^2/NDF: 2530393.2/49

In: 79.116+/-0.010 χ^2/NDF:1018746.4/44

Out: 79.096+/-0.010 χ^2/NDF:1752697.3/52

All: 79.105+/-0.007 χ^2/NDF: 2771445.6/97



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

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

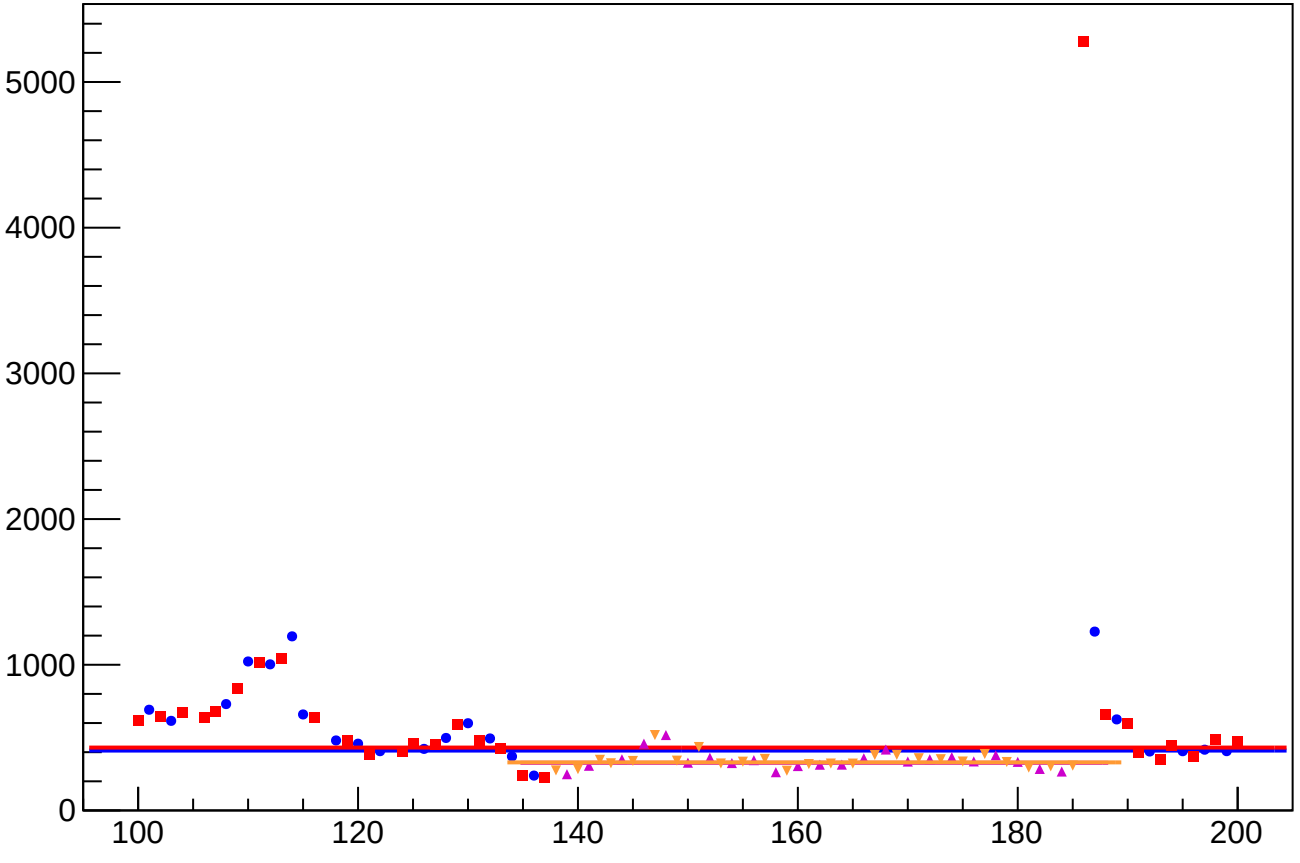
Right: -118.725+/-90.206 χ^2/NDF: 40.3/49

In: -67.769+/-66.499 χ^2/NDF:49.6/44

Out: -13.004+/-64.980 χ^2/NDF:50.4/52

All: -39.754+/-46.476 χ^2/NDF: 100.4/97

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

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

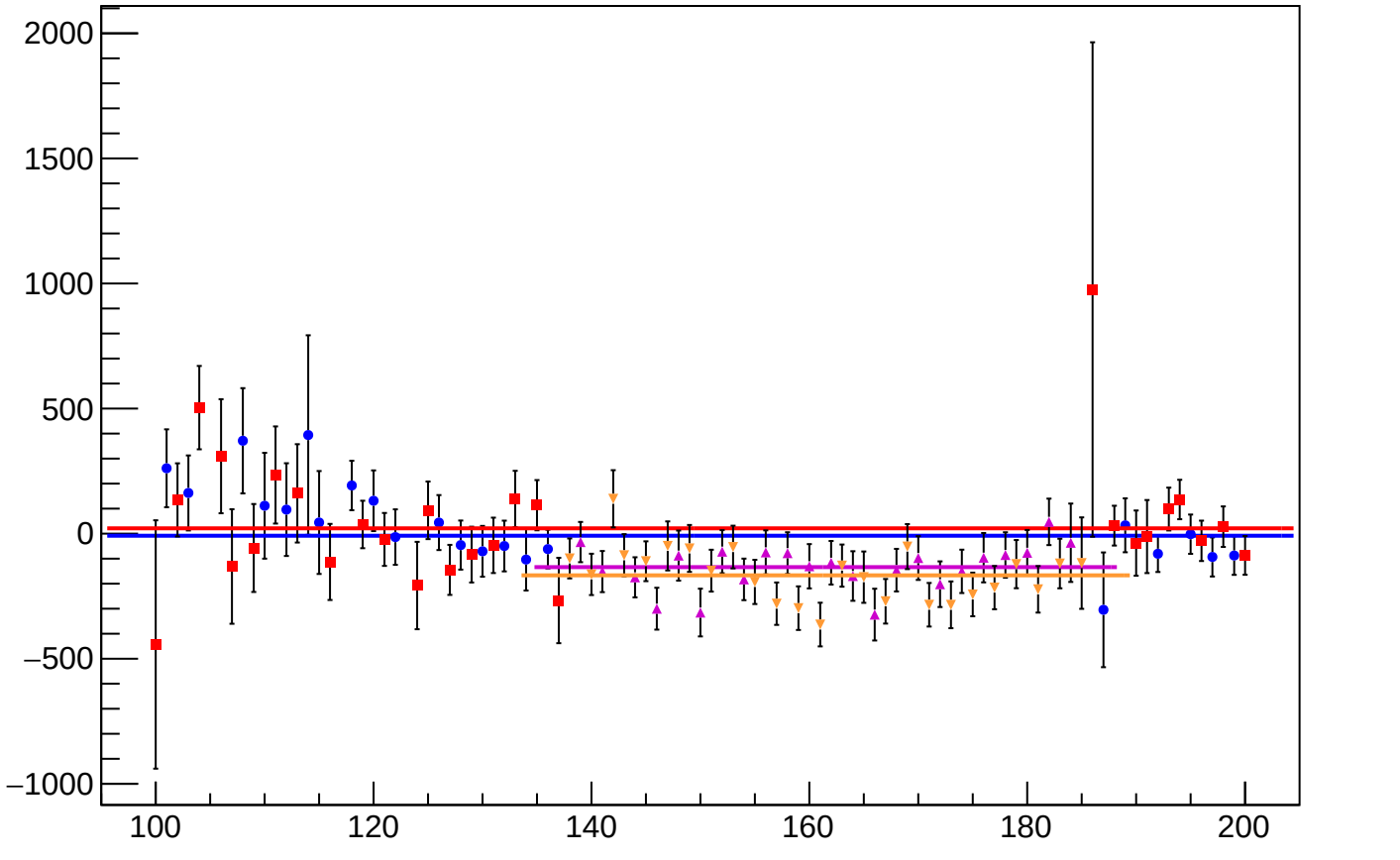
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

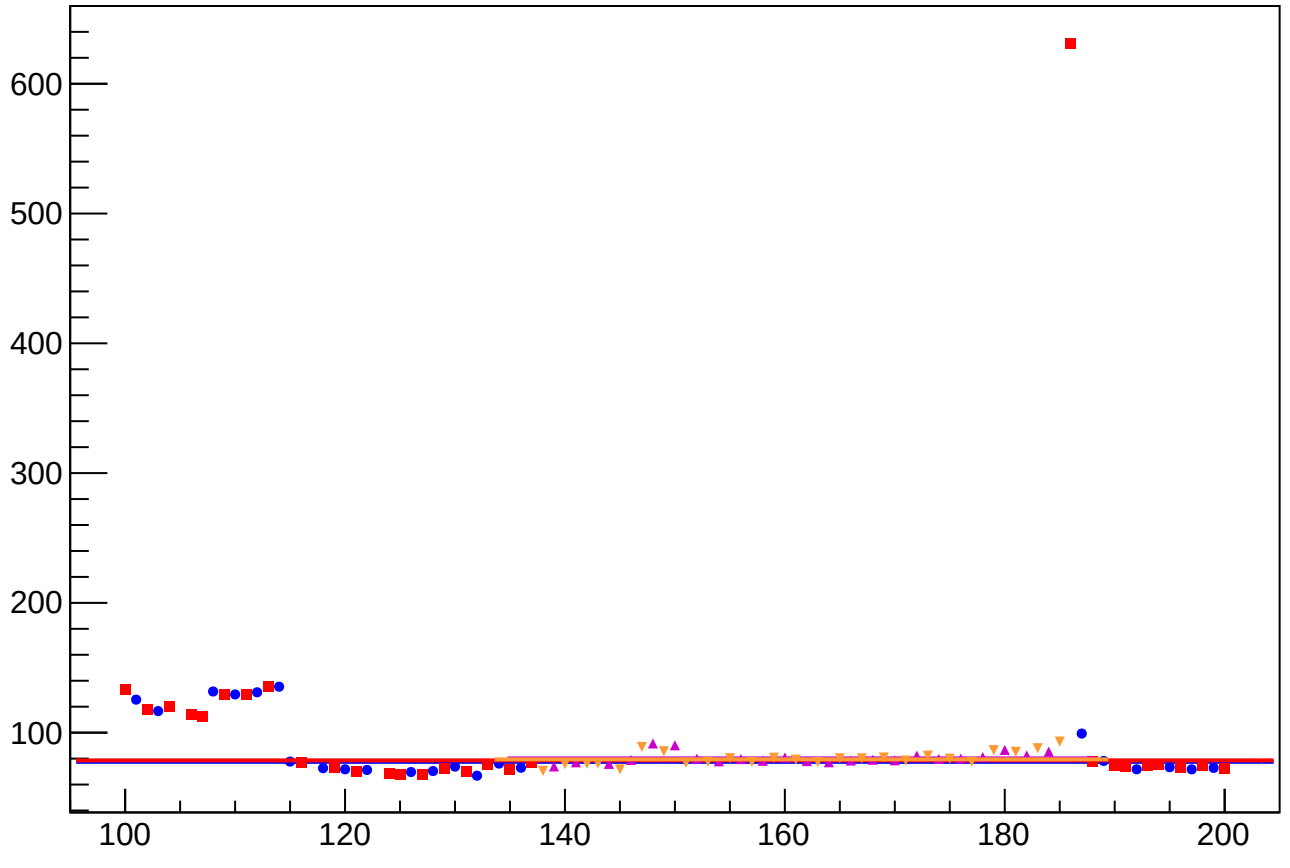
Right: 421.619+/-0.064 χ^2/NDF: 6119490.9/49

In: 349.213+/-0.047 χ^2/NDF:4165411.9/44

Out: 357.040+/-0.046 χ^2/NDF:5065598.0/52

All: 353.217+/-0.033 χ^2/NDF: 9245182.6/97


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -8.361+/-23.296 χ²/NDF: 21.8/21
Left Out: -166.675+/-18.079 χ²/NDF:31.6/24
Right Out: 21.239+/-21.973 χ²/NDF: 32.2/27
Left In: -133.850+/-18.756 χ²/NDF:20.7/22
Left: -150.865+/-13.016 χ²/NDF: 54.0/47
Right: 7.303+/-15.985 χ²/NDF: 54.8/49
In: -84.499+/-14.609 χ²/NDF:60.1/44
Out: -90.818+/-13.961 χ²/NDF:107.5/52
All: -87.802+/-10.093 χ²/NDF: 167.7/97



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

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

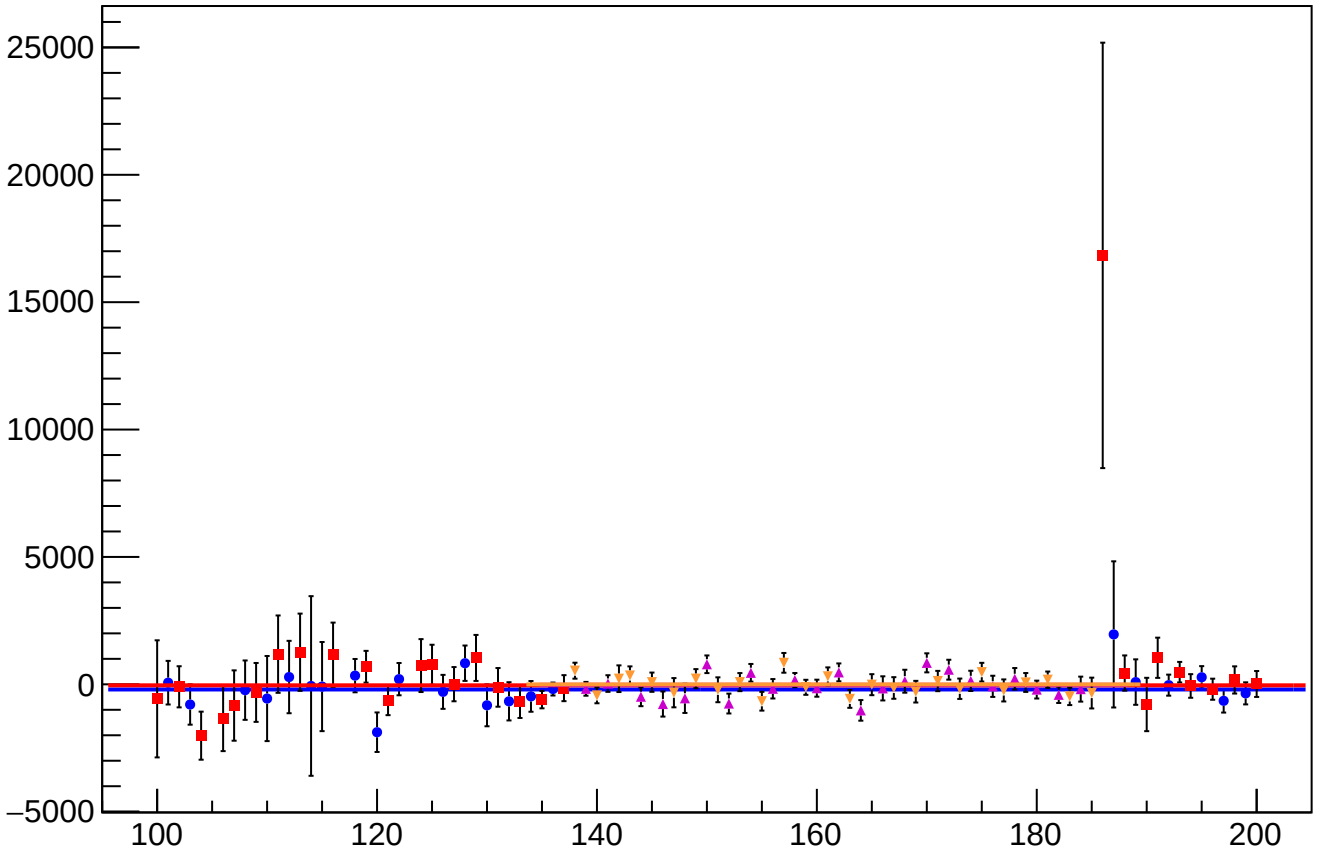
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.101+/-0.011 χ^2/NDF: 2530393.2/49

In: 79.116+/-0.010 χ^2/NDF:1018746.4/44

Out: 79.096+/-0.010 χ^2/NDF:1752697.3/52

All: 79.105+/-0.007 χ^2/NDF: 2771445.6/97



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

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

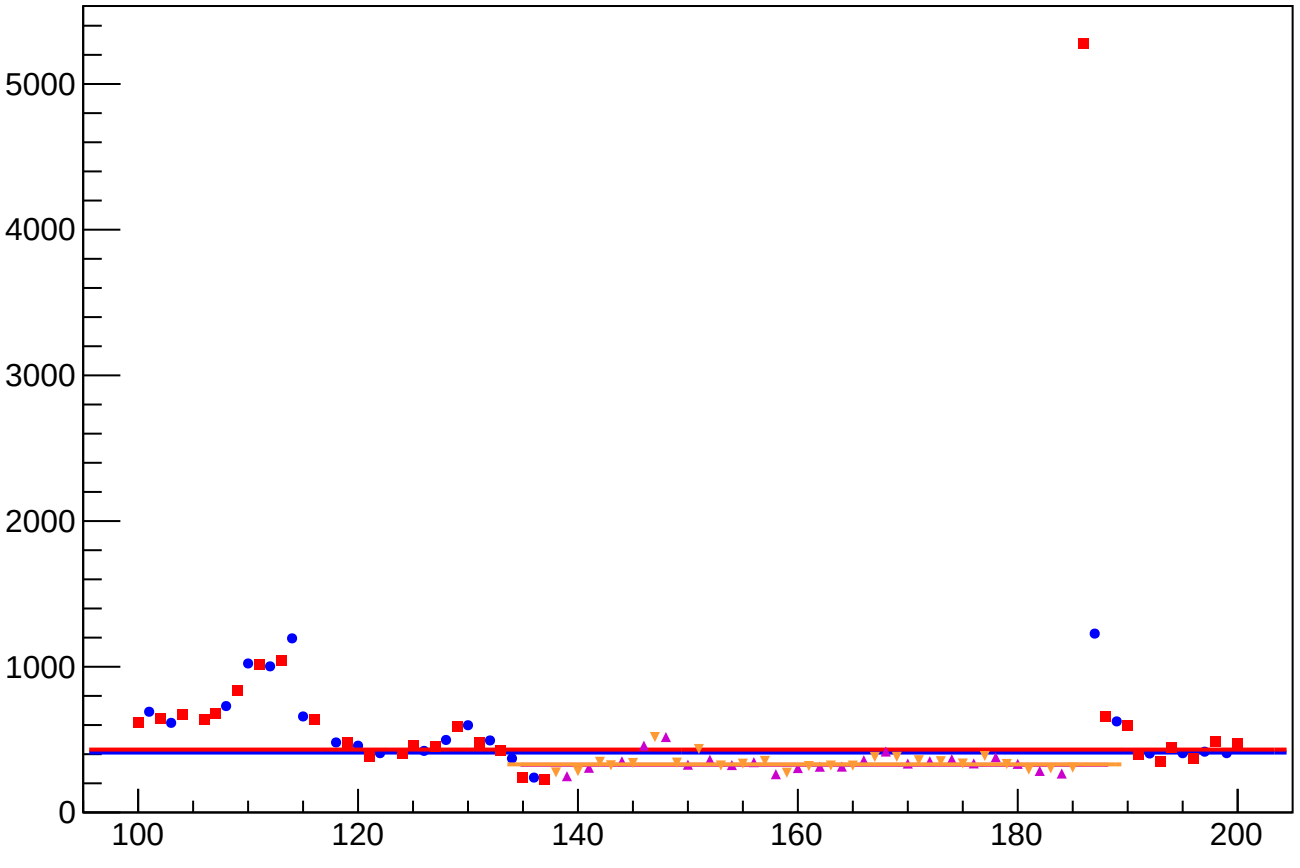
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -118.725+/-90.206 χ^2/NDF: 40.3/49

In: -67.769+/-66.499 χ^2/NDF:49.6/44

Out: -13.004+/-64.980 χ^2/NDF:50.4/52

All: -39.754+/-46.476 χ^2/NDF: 100.4/97



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

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

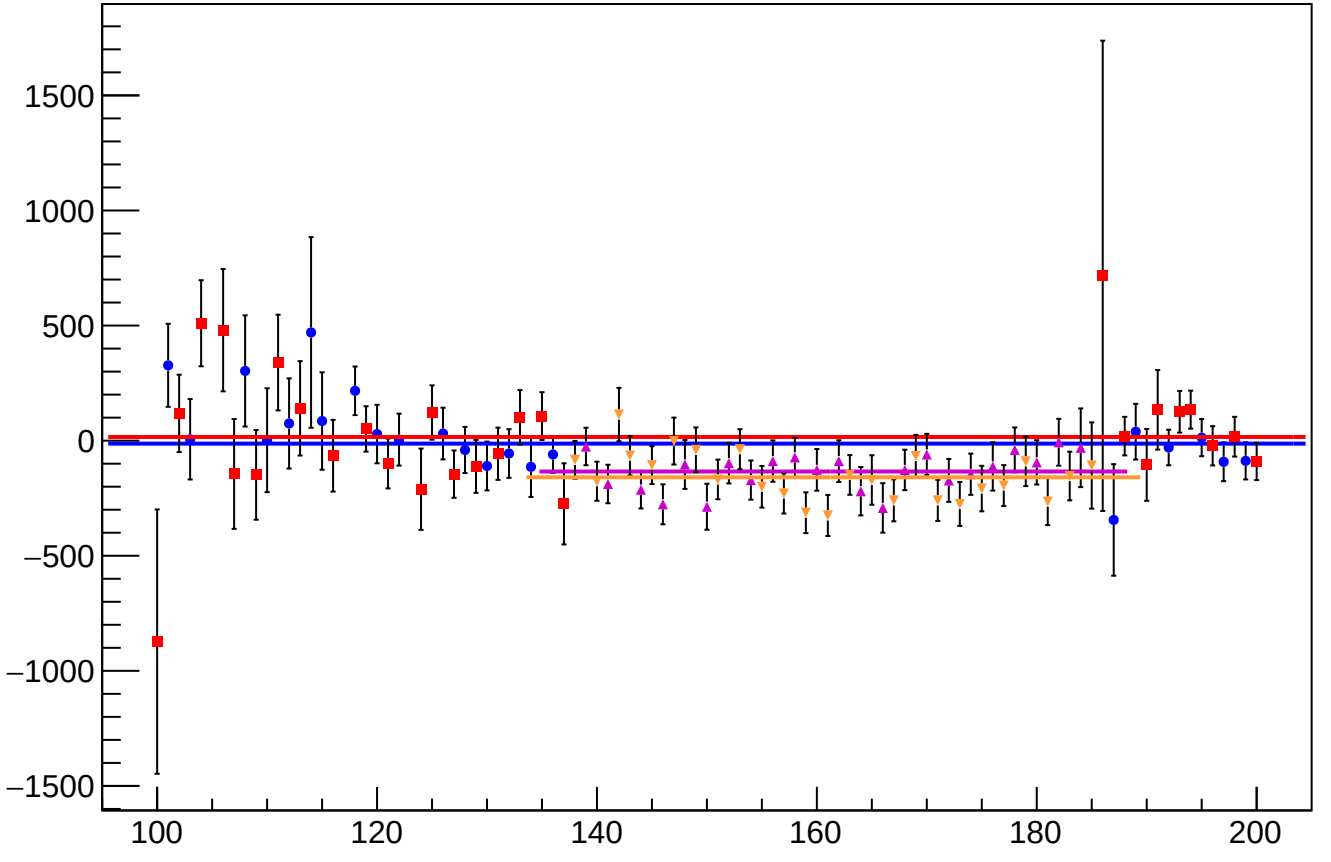
Right: 421.619+/-0.064 χ^2/NDF: 6119490.9/49

In: 349.213+/-0.047 χ^2/NDF:4165411.9/44

Out: 357.040+/-0.046 χ^2/NDF:5065598.0/52

All: 353.217+/-0.033 χ^2/NDF: 9245182.6/97

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

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

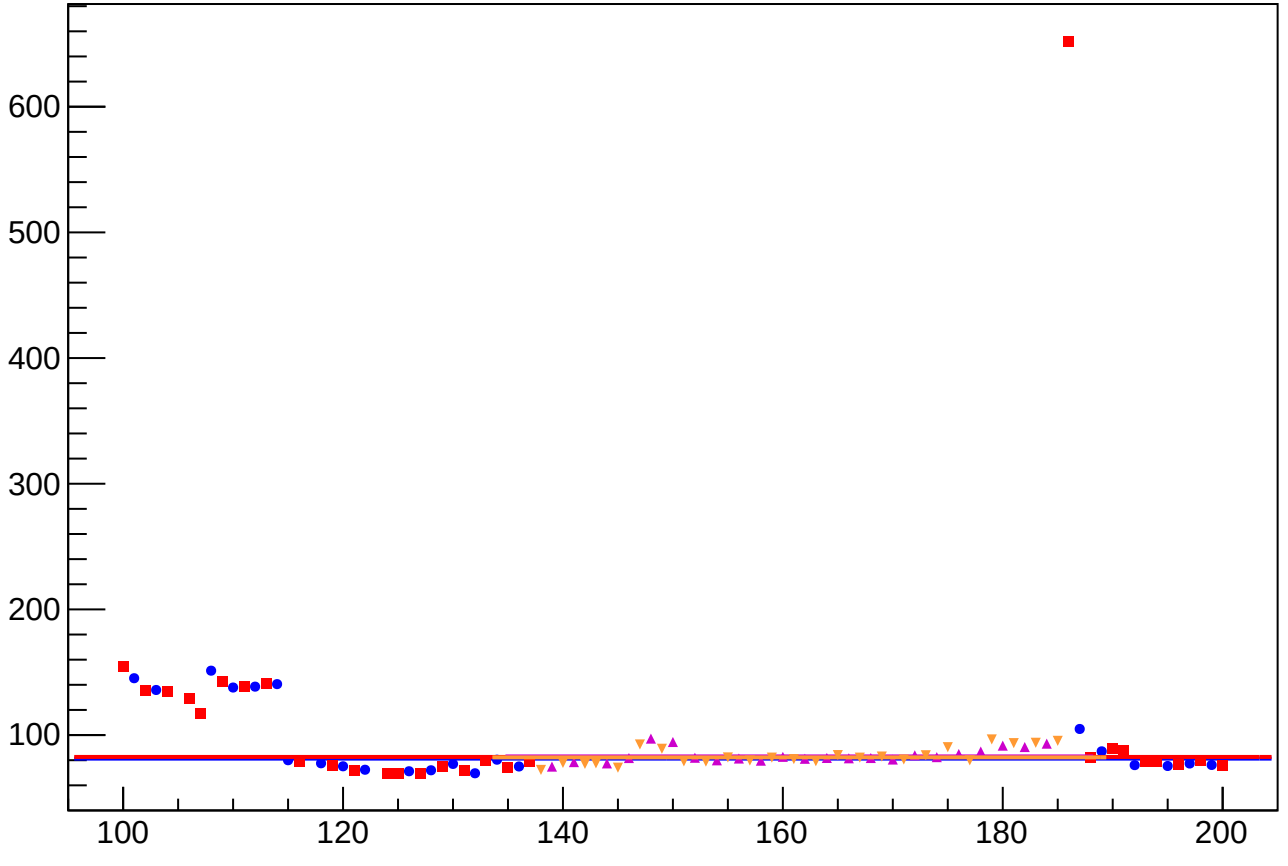
Right: 2.391+/-16.857 χ^2/NDF: 54.6/49

In: -87.331+/-15.242 χ^2/NDF:49.4/44

Out: -89.936+/-14.578 χ^2/NDF:98.6/52

All: -88.691+/-10.535 χ^2/NDF: 148.0/97

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.268+/-0.017 χ^2/NDF: 1100882.5/21

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

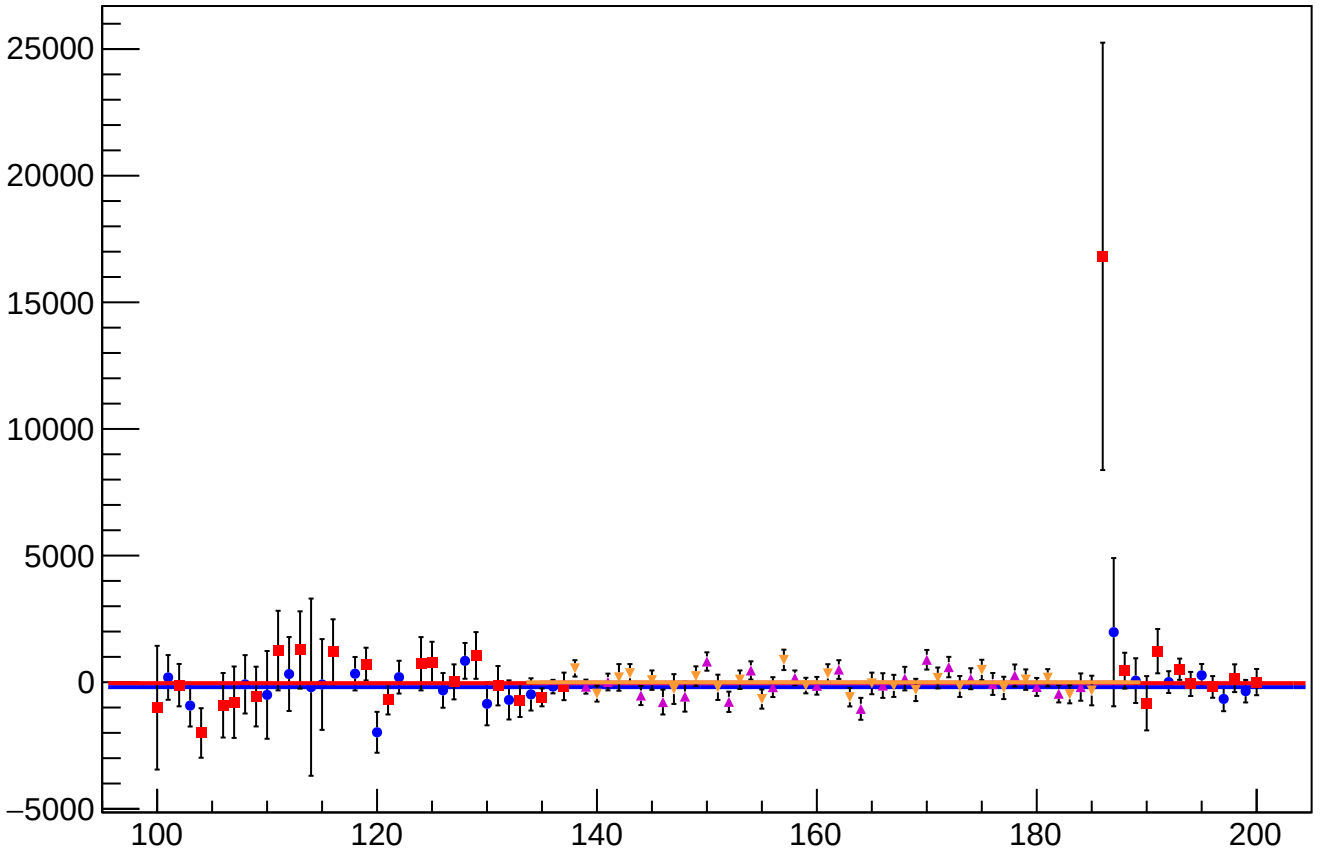
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 81.972+/-0.012 χ^2/NDF: 2893516.8/49

In: 82.328+/-0.011 χ^2/NDF:1252556.9/44

Out: 82.386+/-0.010 χ^2/NDF:2006356.3/52

All: 82.359+/-0.007 χ^2/NDF: 3258928.2/97



Right In: -194.513+/-133.934 χ^2/NDF: 13.5/21

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

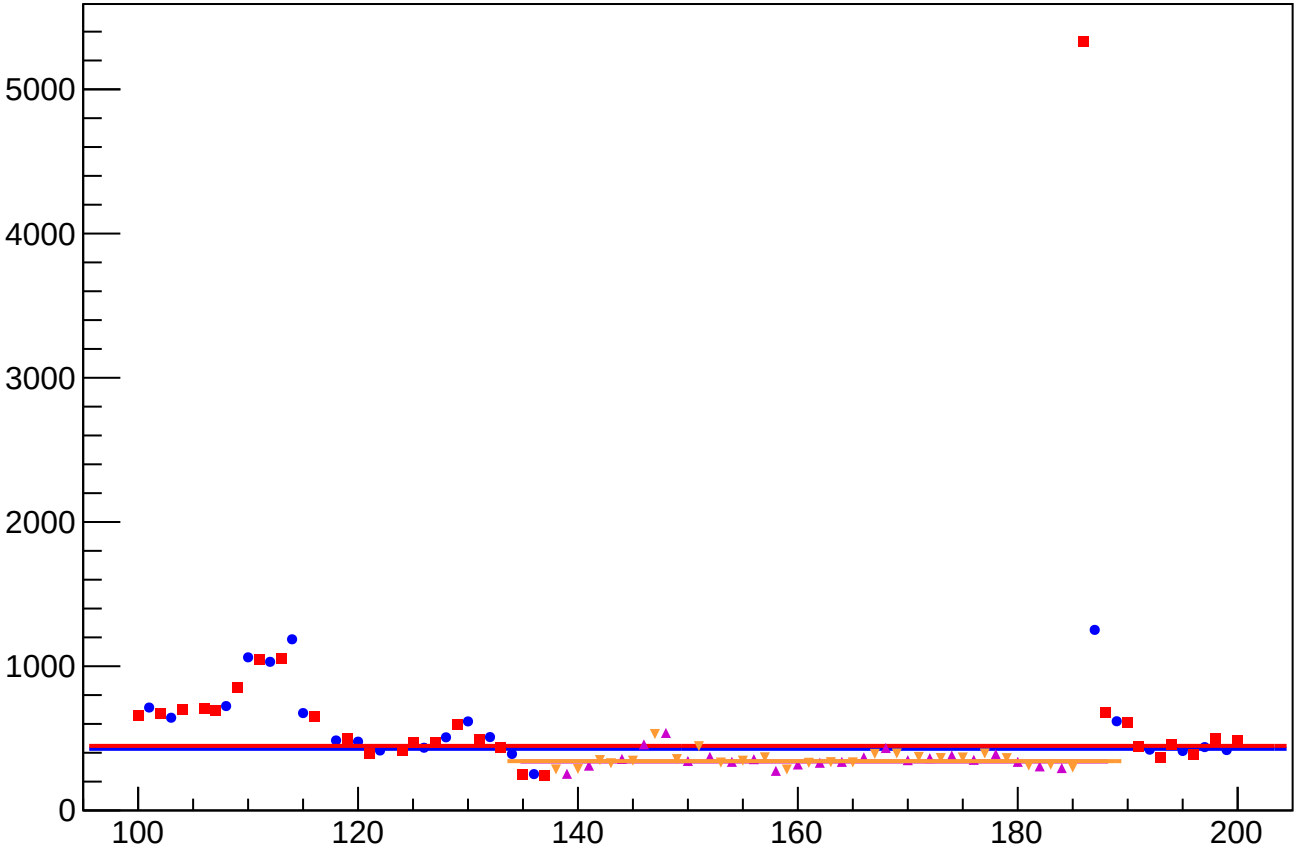
Right: -113.677+/-93.337 χ^2/NDF: 40.0/49

In: -63.677+/-68.940 χ^2/NDF:49.7/44

Out: -12.247+/-67.270 χ^2/NDF:49.4/52

All: -37.332+/-48.147 χ^2/NDF: 99.3/97

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.315+/-0.095 χ^2/NDF: 2515135.3/21

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

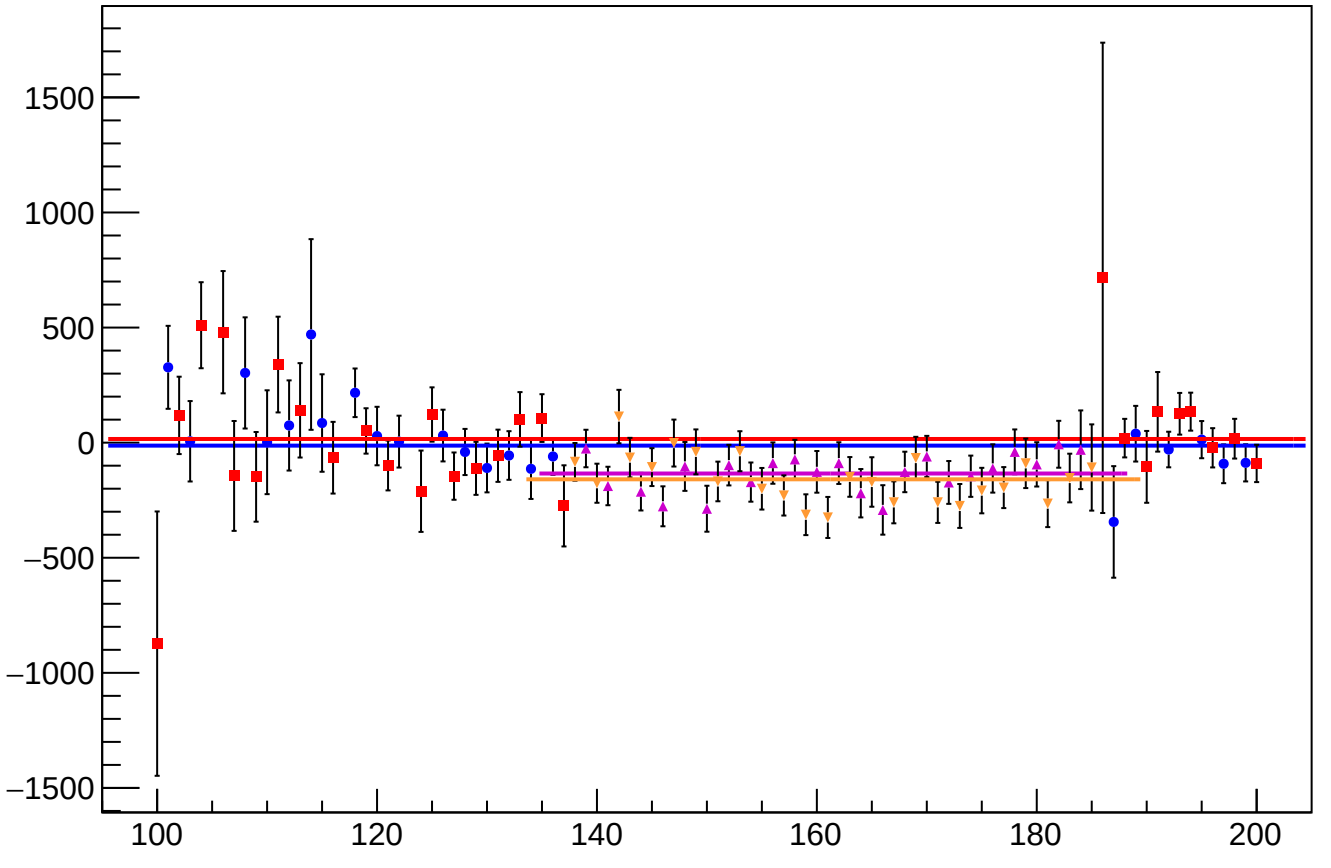
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 437.852+/-0.066 χ^2/NDF: 5921977.4/49

In: 362.714+/-0.049 χ^2/NDF:3994836.9/44

Out: 370.207+/-0.048 χ^2/NDF:5006834.4/52

All: 366.552+/-0.034 χ^2/NDF: 9013772.0/97



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

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

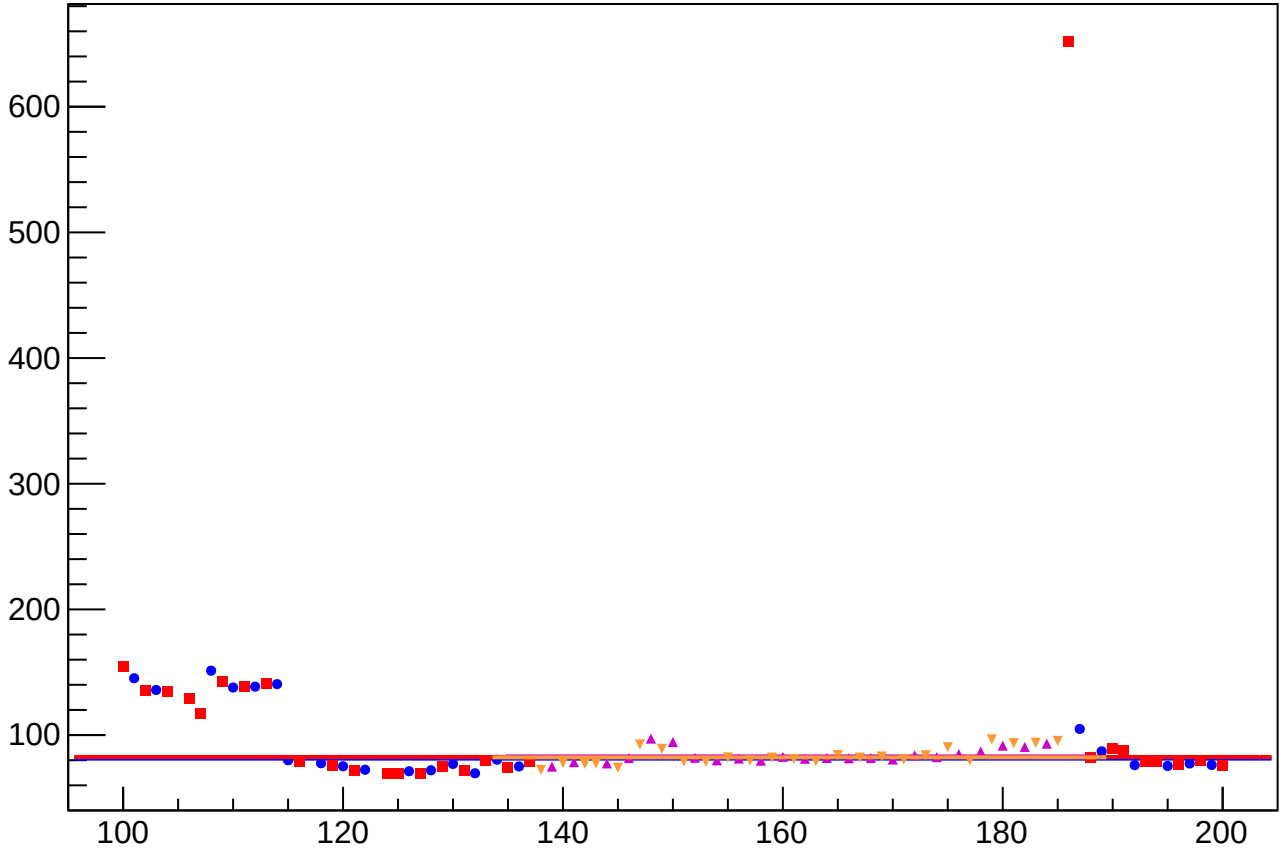
Right: 2.391+/-16.857 χ^2/NDF: 54.6/49

In: -87.331+/-15.242 χ^2/NDF:49.4/44

Out: -89.936+/-14.578 χ^2/NDF:98.6/52

All: -88.691+/-10.535 χ^2/NDF: 148.0/97

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.268+/-0.017 χ^2/NDF: 1100883.7/21

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

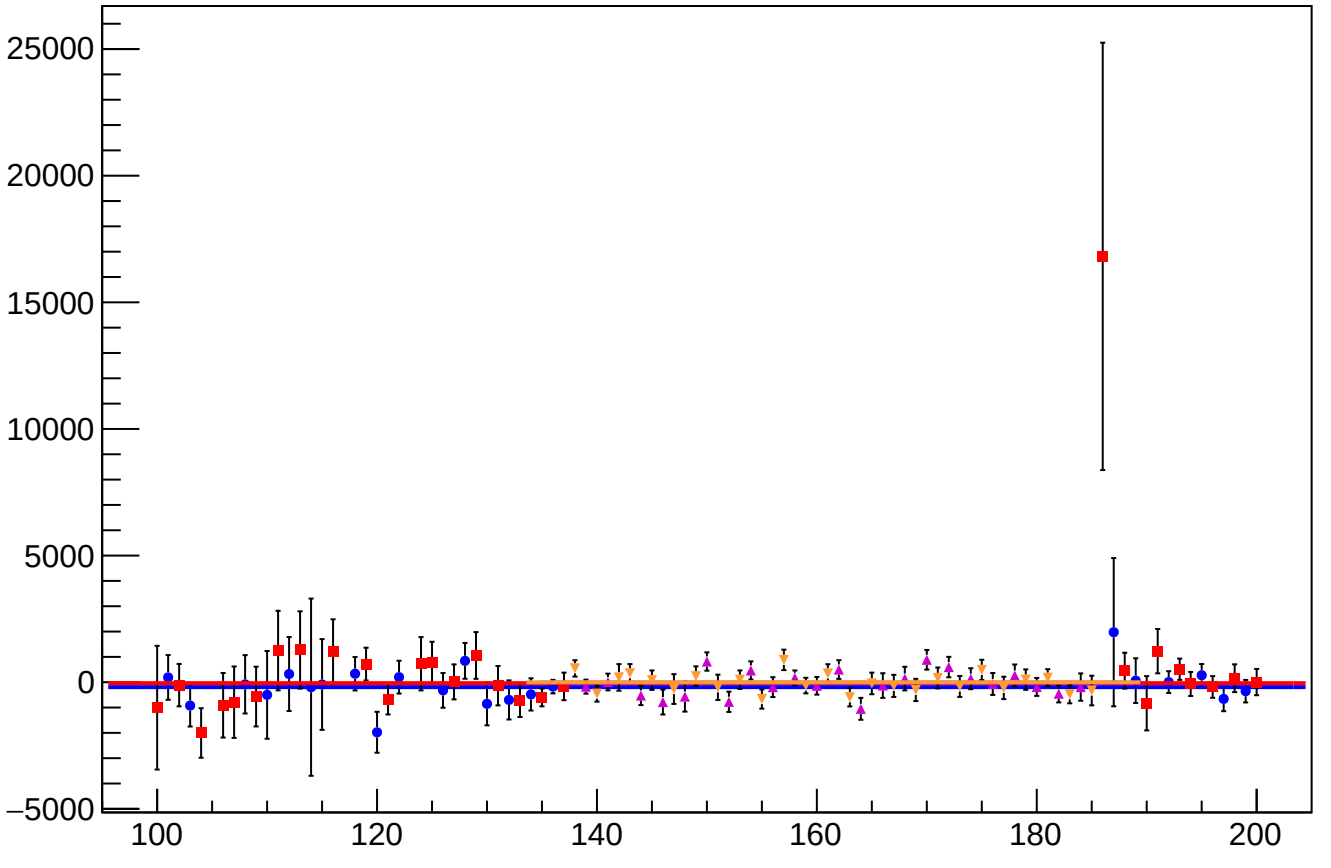
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 81.971+/-0.012 χ^2/NDF: 2893518.0/49

In: 82.328+/-0.011 χ^2/NDF:1252557.3/44

Out: 82.386+/-0.010 χ^2/NDF:2006356.5/52

All: 82.359+/-0.007 χ^2/NDF: 3258928.7/97



Right In: -194.511+/-133.934 χ^2/NDF: 13.5/21

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

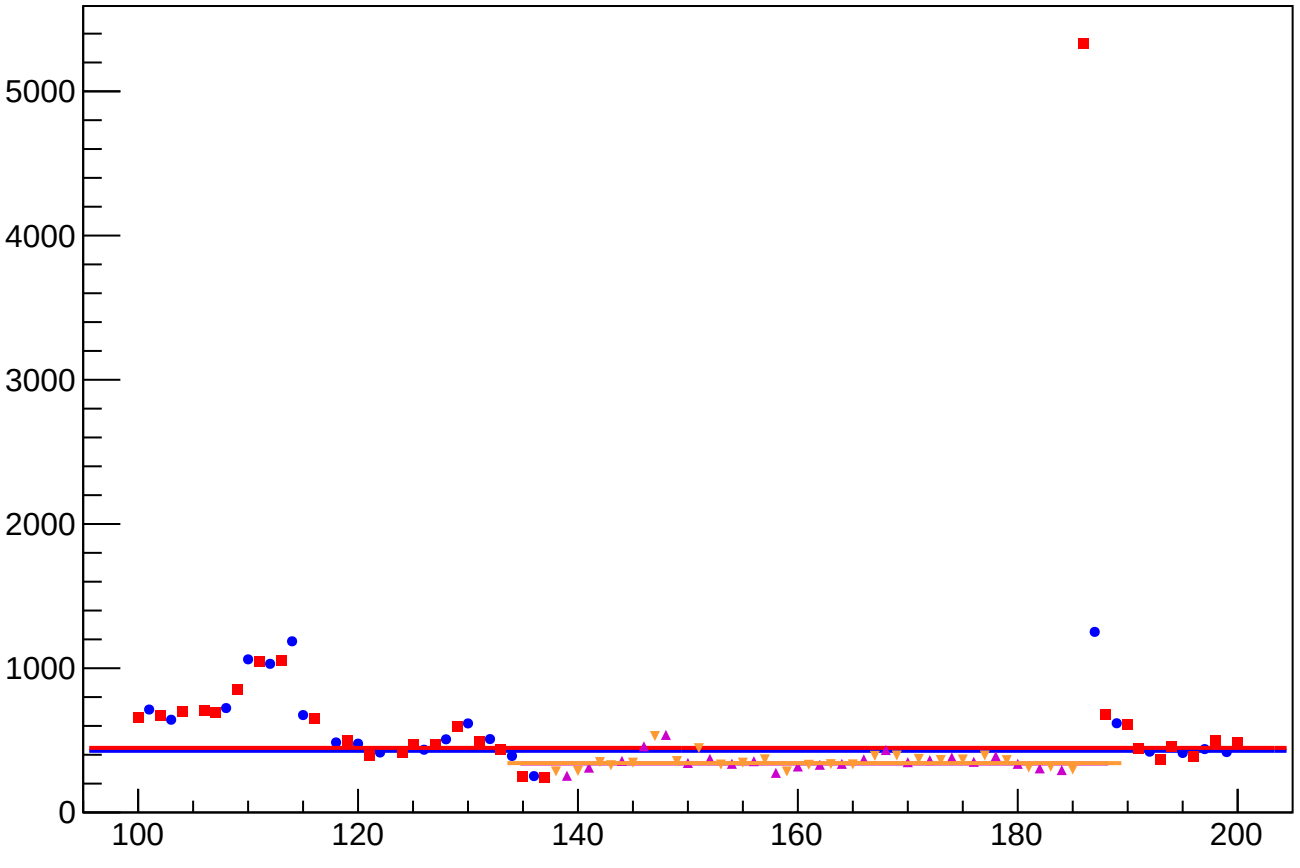
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -113.677+/-93.337 χ^2/NDF: 40.0/49

In: -63.677+/-68.939 χ^2/NDF:49.7/44

Out: -12.247+/-67.270 χ^2/NDF:49.4/52

All: -37.331+/-48.147 χ^2/NDF: 99.3/97



Right In: 427.314+/-0.095 χ^2/NDF: 2515140.4/21

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

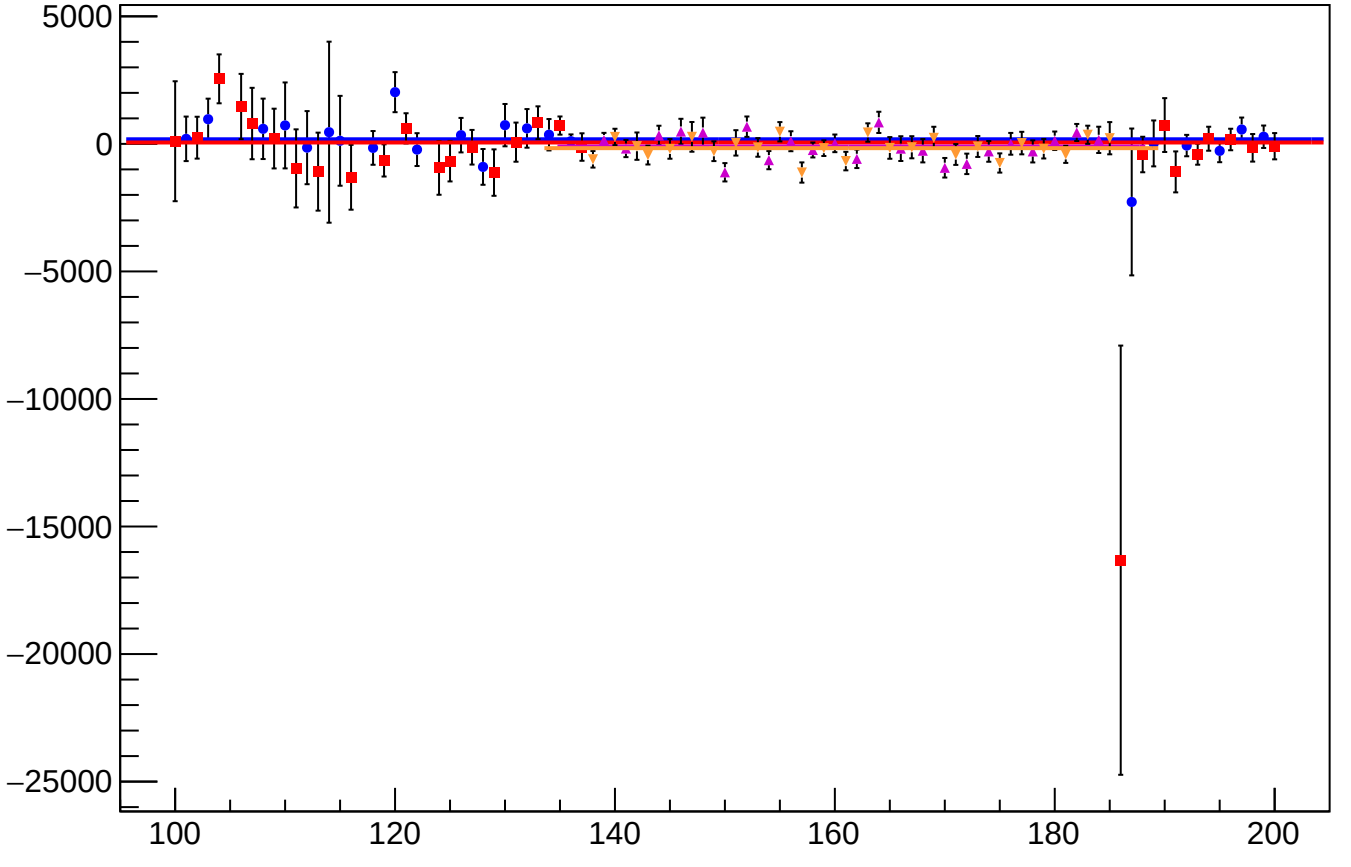
Right: 437.851+/-0.066 χ^2/NDF: 5921990.3/49

In: 362.714+/-0.049 χ^2/NDF:3994836.2/44

Out: 370.206+/-0.048 χ^2/NDF:5006829.1/52

All: 366.552+/-0.034 χ^2/NDF: 9013765.8/97

asym_sam1_mean vs Slug, Sign Corrected



Right In: 180.227+/-132.243 χ^2/NDF: 13.7/21

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

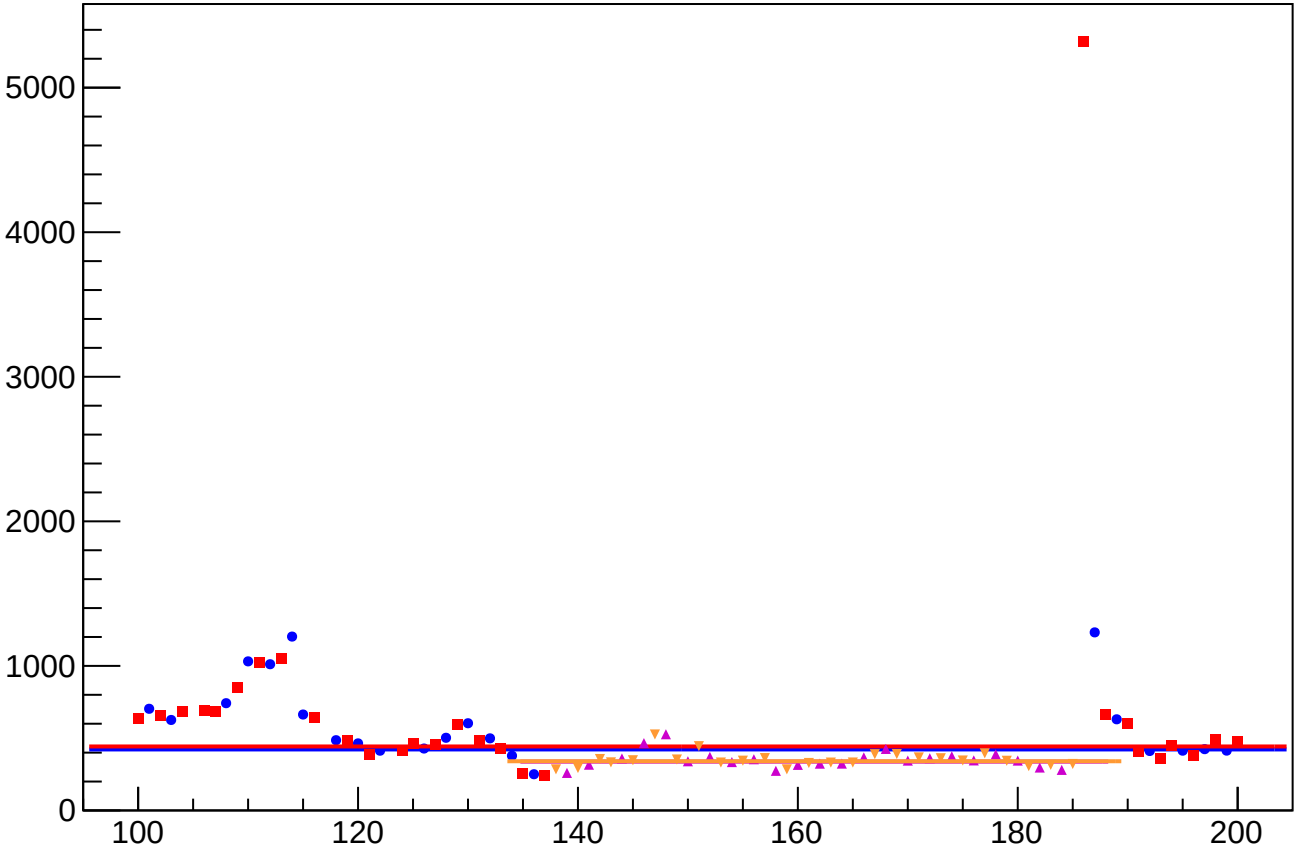
Right: 115.676+/-92.172 χ^2/NDF: 43.7/49

In: -27.869+/-68.447 χ^2/NDF:54.5/44

Out: -107.413+/-66.795 χ^2/NDF:57.3/52

All: -68.613+/-47.804 χ^2/NDF: 112.5/97

asym_sam1_rms vs Slug, Sign Corrected



Right In: 422.026+/-0.094 χ^2/NDF: 2495203.2/21

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

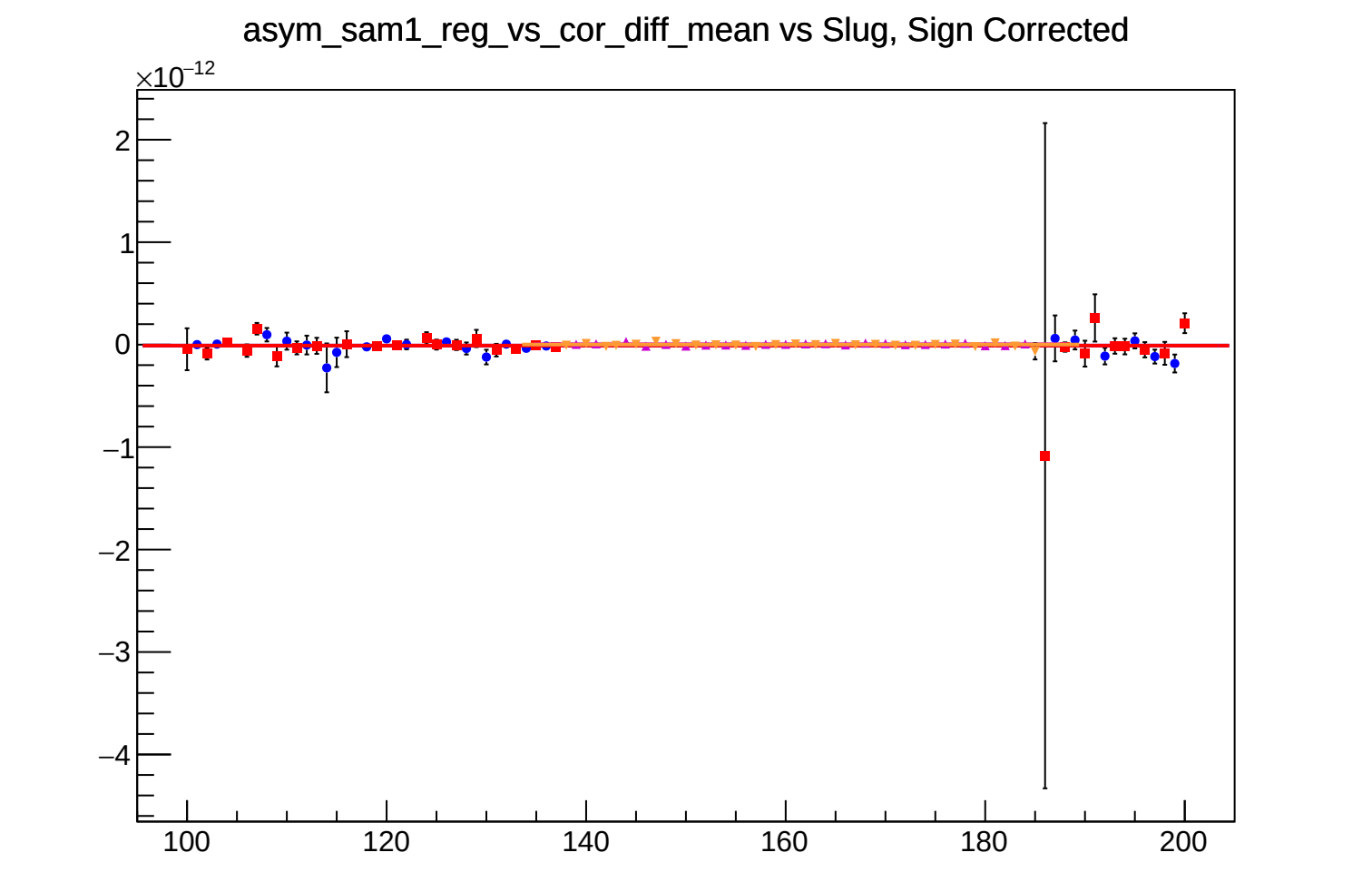
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 432.635+/-0.065 χ^2/NDF: 5839903.8/49

In: 360.333+/-0.048 χ^2/NDF:3910406.8/44

Out: 368.007+/-0.047 χ^2/NDF:4847956.8/52

All: 364.264+/-0.034 χ^2/NDF: 8771238.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/27

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

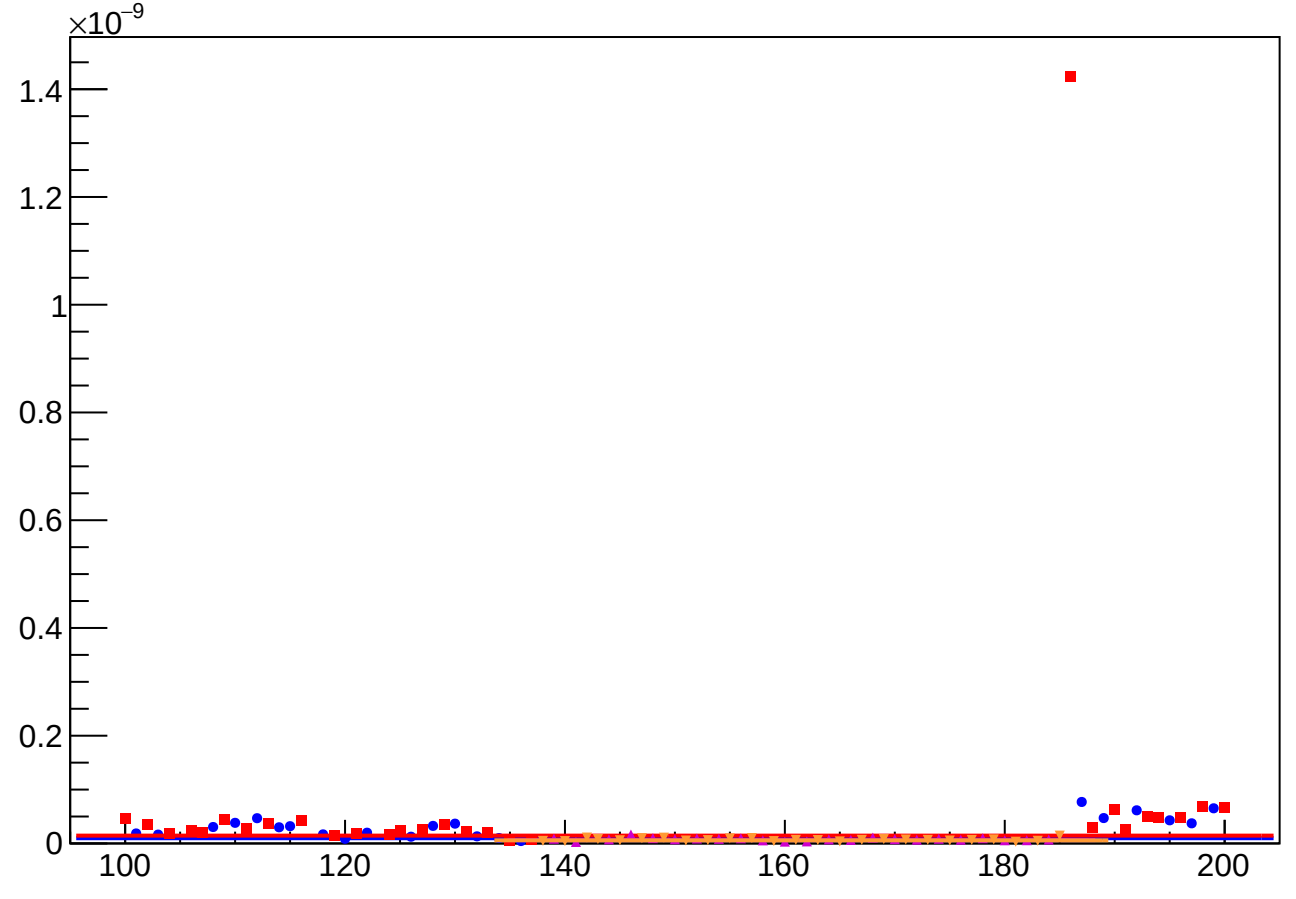
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/49

In: 0.000+/-0.000 χ^2/NDF:39.6/44

Out: 0.000+/-0.000 χ^2/NDF:42.0/52

All: 0.000+/-0.000 χ^2/NDF: 81.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5717852.9/21

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

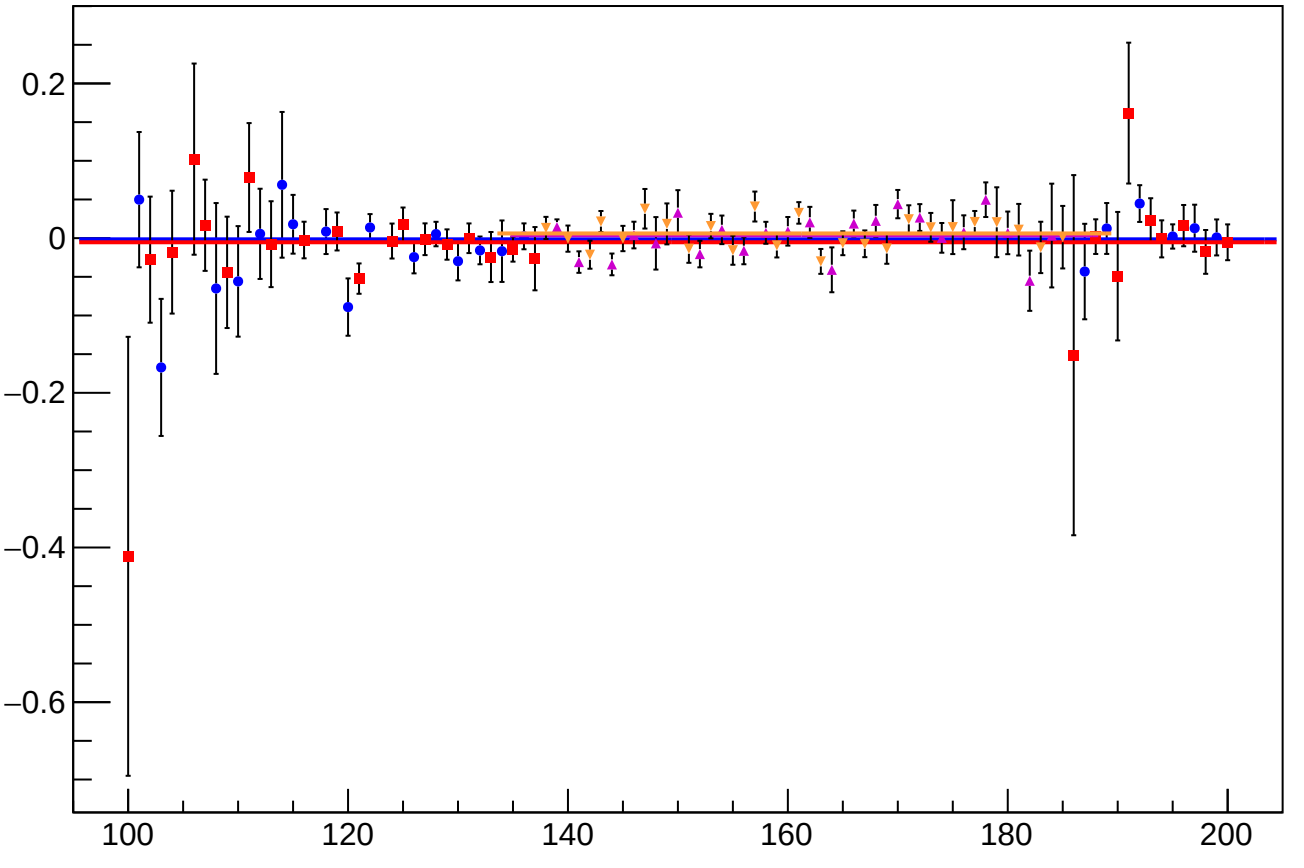
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12332354.2/49

In: 0.000+/-0.000 χ^2/NDF:8238617.8/44

Out: 0.000+/-0.000 χ^2/NDF:9574887.5/52

All: 0.000+/-0.000 χ^2/NDF: 17825331.5/97



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

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

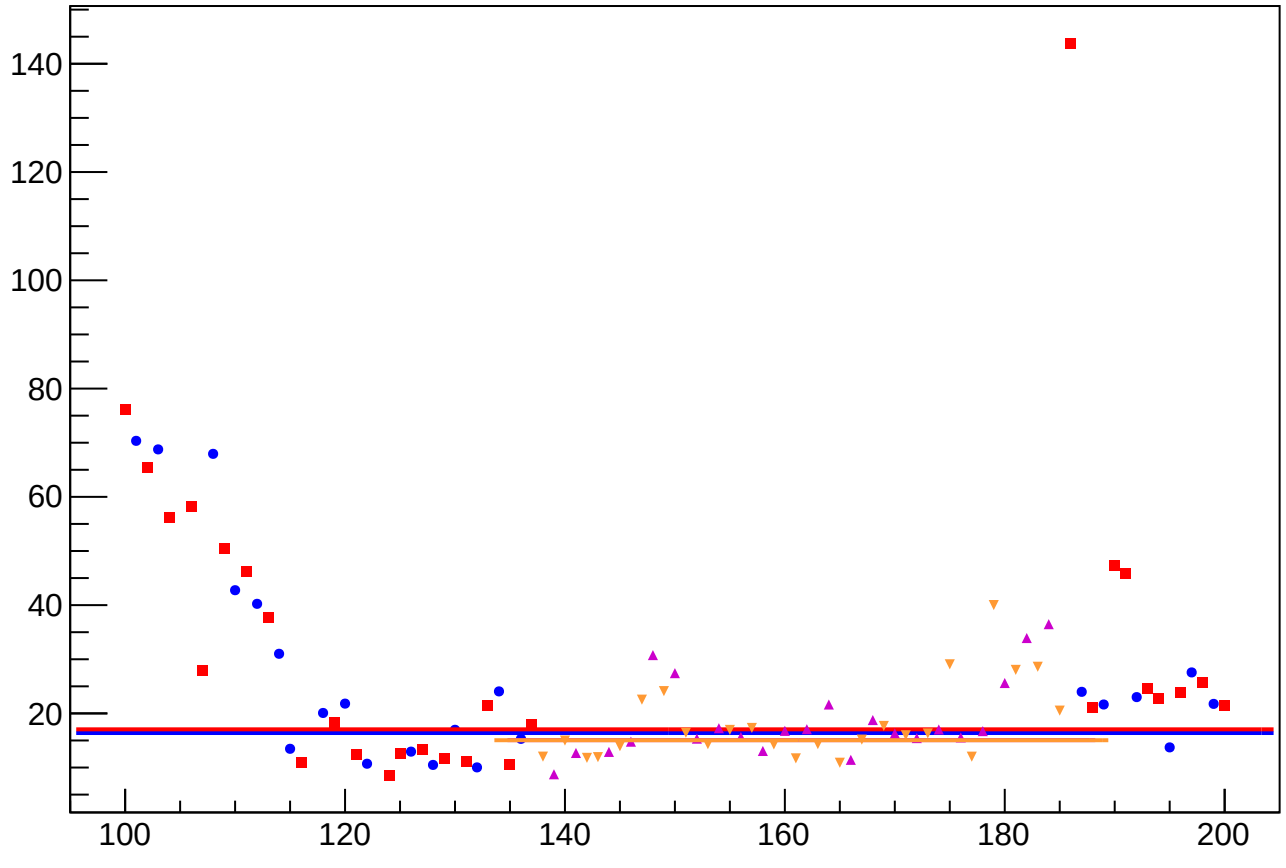
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 39.5/49

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 106.7/97



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

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

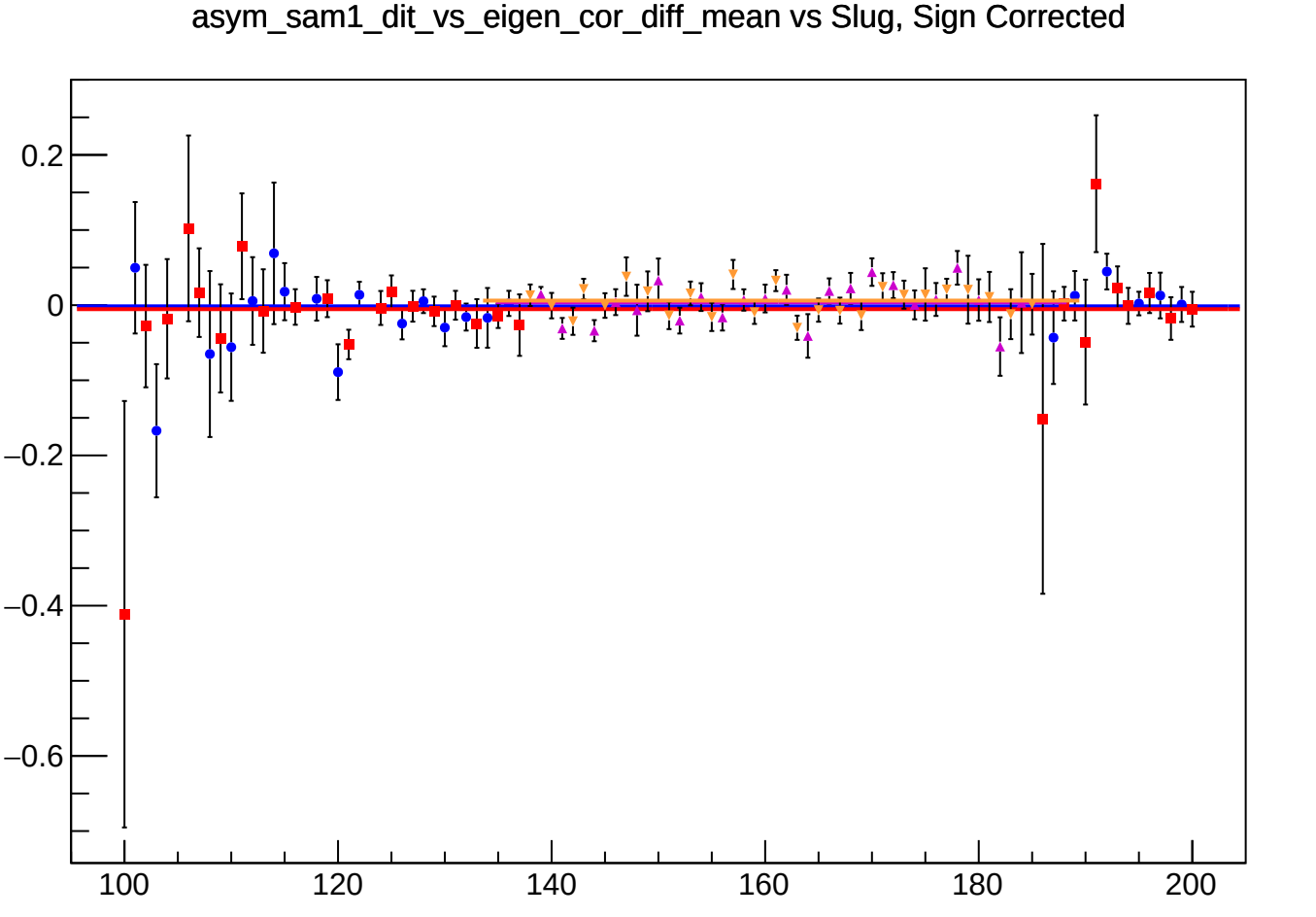
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

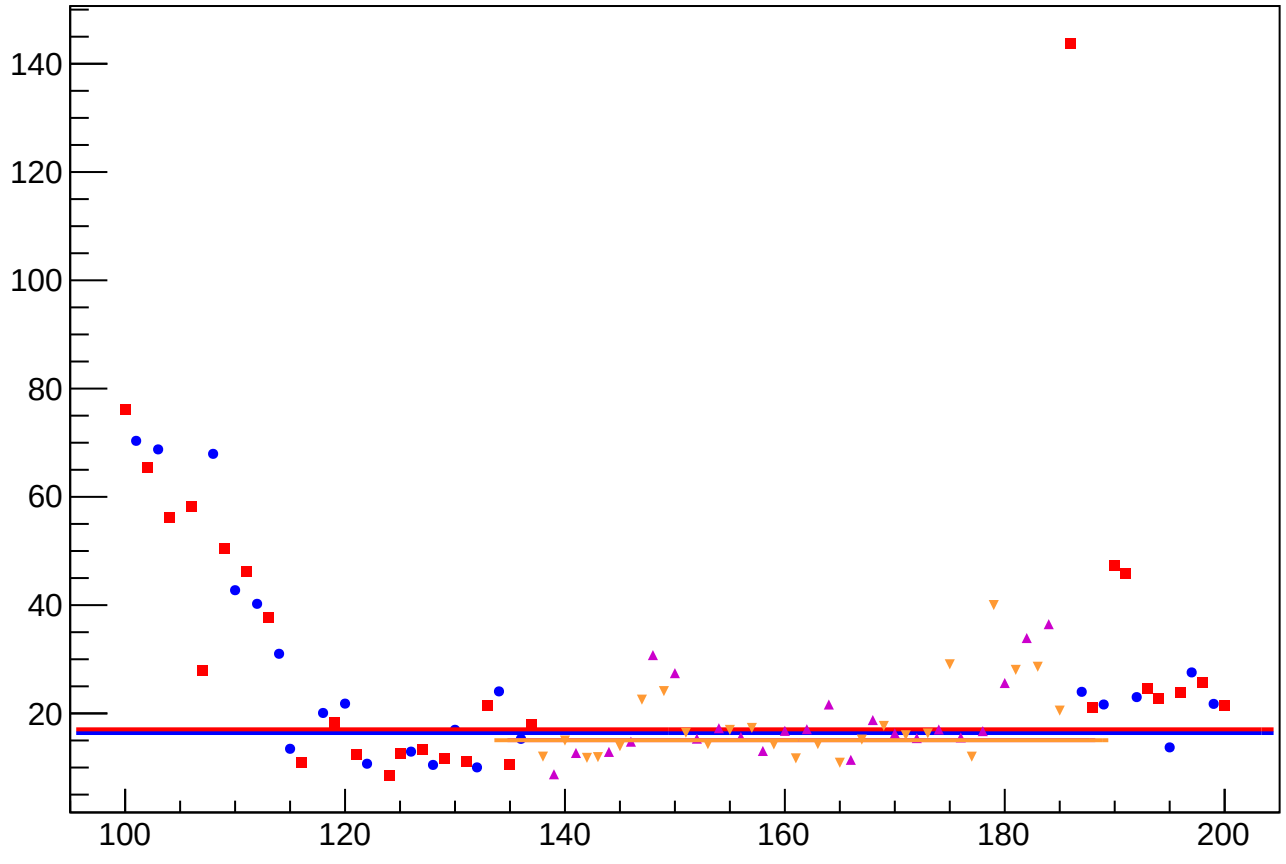
Right: 16.729+/-0.003 χ^2/NDF: 9969485.3/49

In: 15.487+/-0.002 χ^2/NDF:7332759.7/44

Out: 15.684+/-0.002 χ^2/NDF:8710284.2/52

All: 15.589+/-0.002 χ^2/NDF: 16047083.9/97


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.002+/-0.006 χ²/NDF: 20.3/21
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.005+/-0.005 χ²/NDF: 19.0/27
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.003+/-0.004 χ²/NDF: 39.5/49
In: 0.002+/-0.003 χ²/NDF:58.0/44
Out: 0.002+/-0.003 χ²/NDF:48.7/52
All: 0.002+/-0.002 χ²/NDF: 106.7/97



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

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

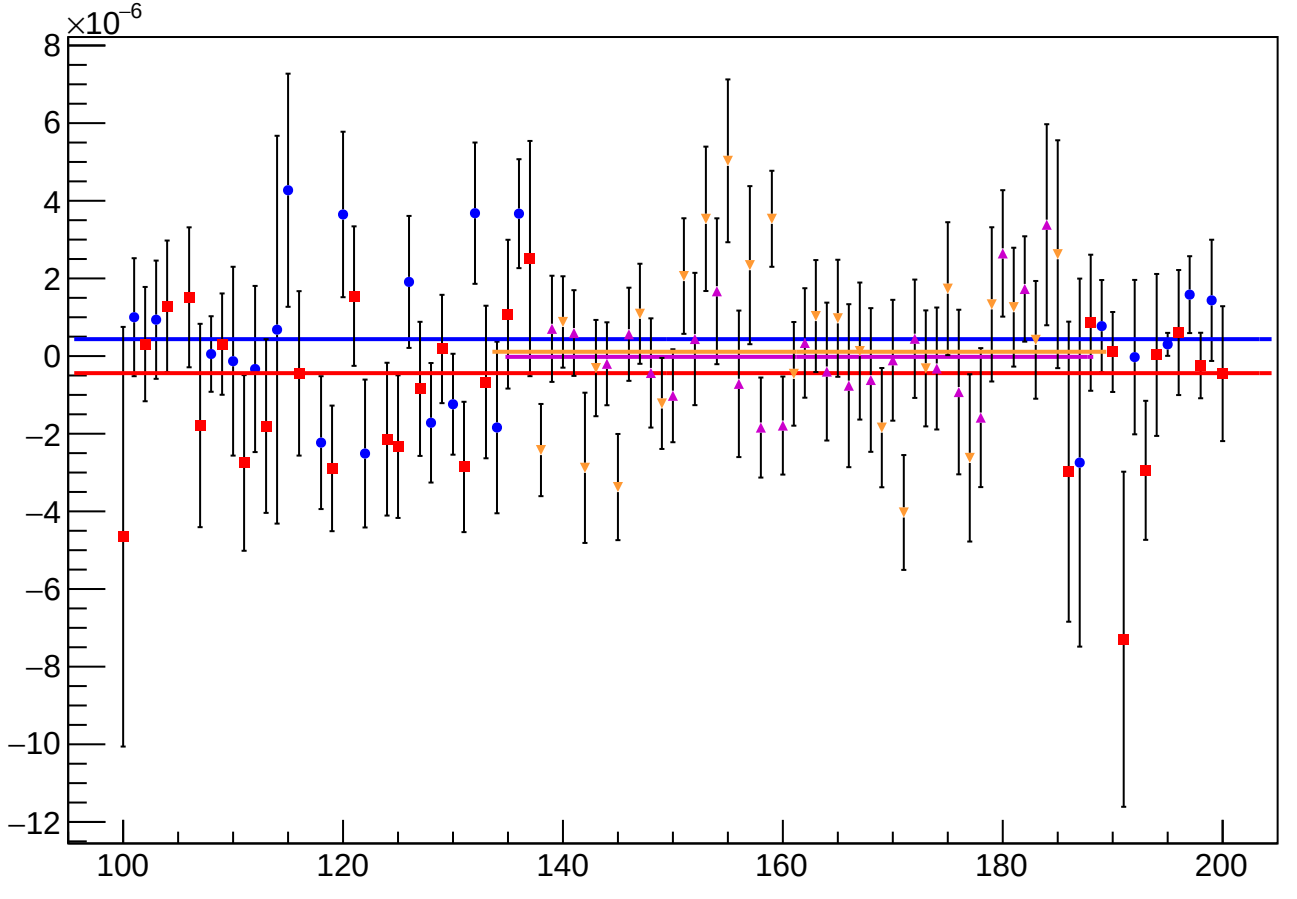
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.729+/-0.003 χ^2/NDF: 9969485.3/49

In: 15.487+/-0.002 χ^2/NDF:7332759.7/44

Out: 15.684+/-0.002 χ^2/NDF:8710284.2/52

All: 15.589+/-0.002 χ^2/NDF: 16047083.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

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

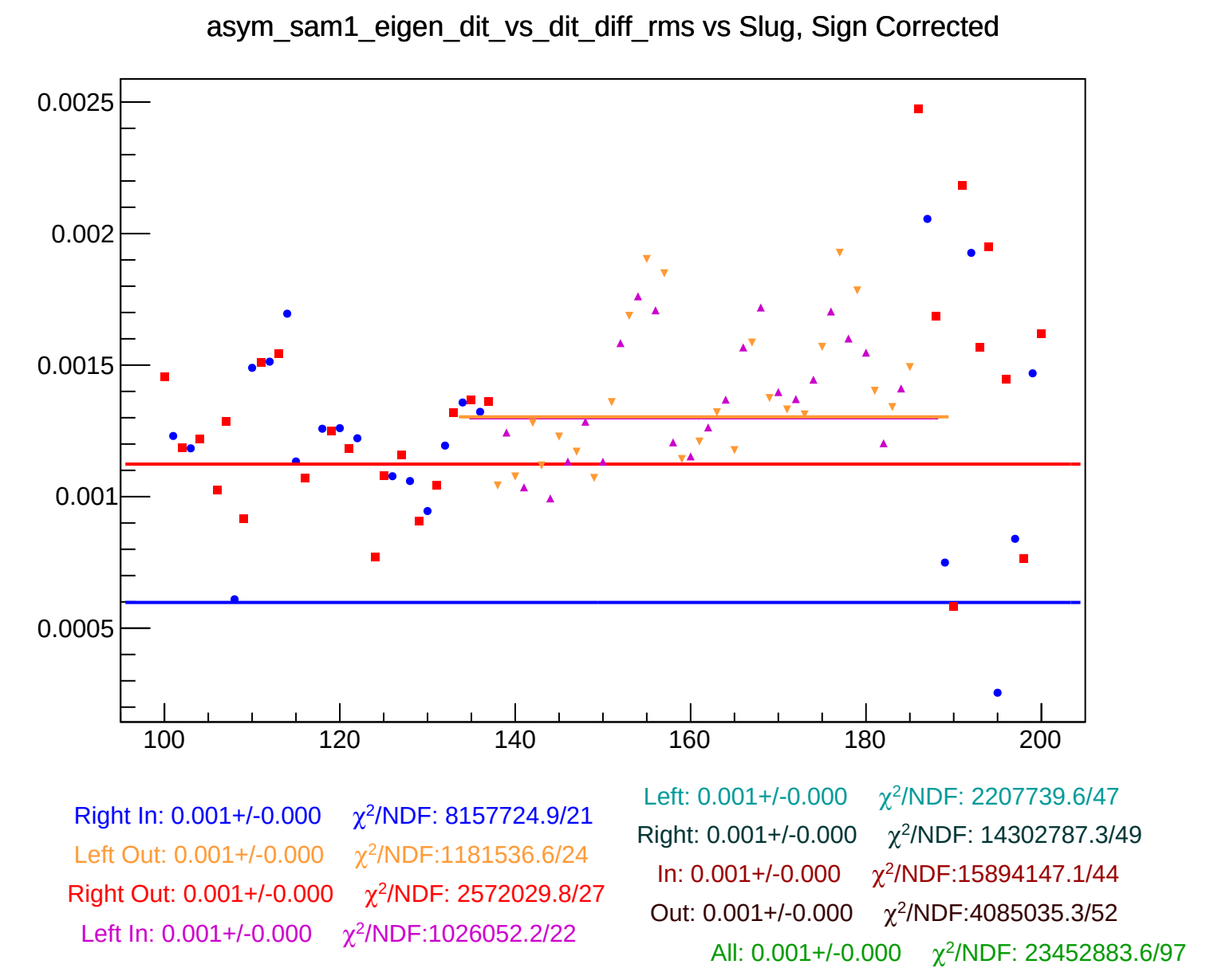
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

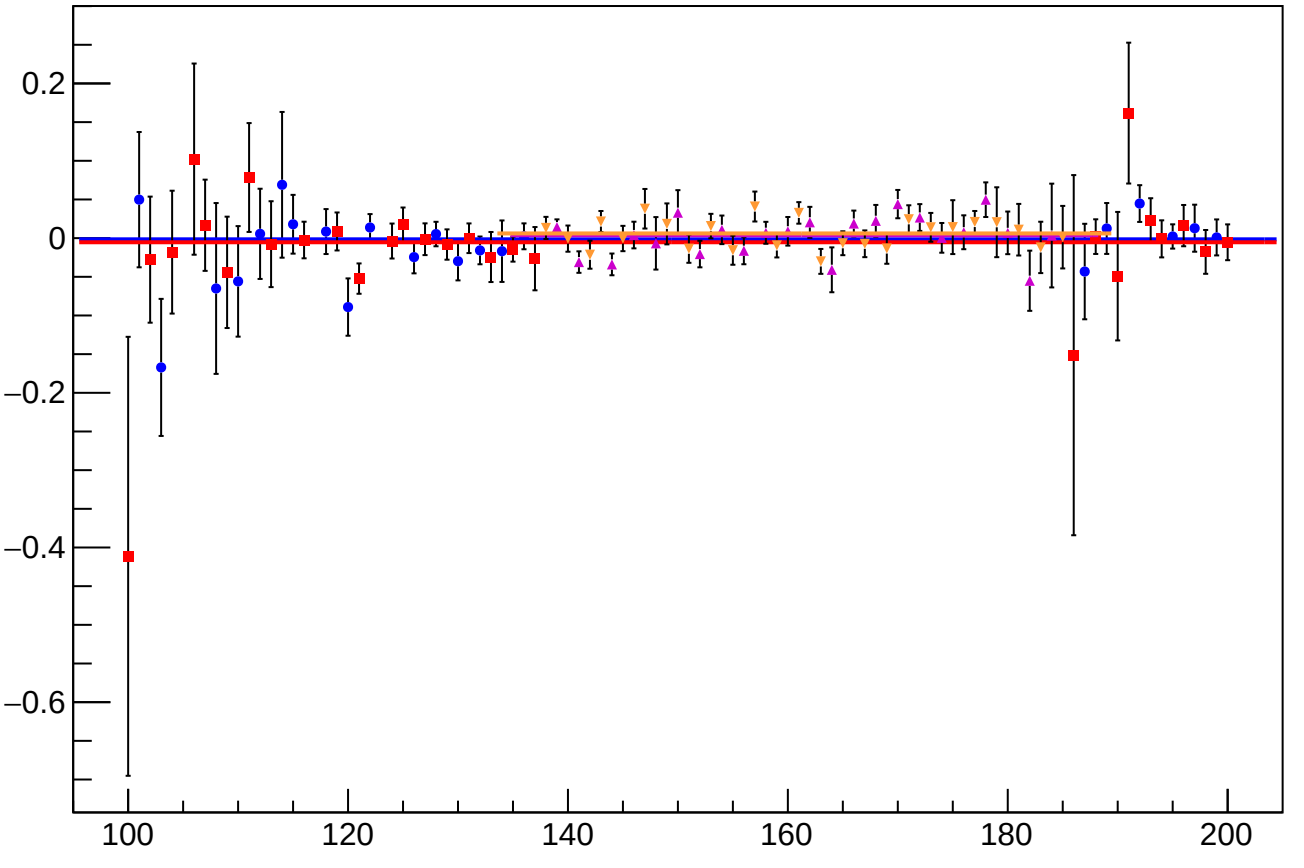
Right: 0.000+/-0.000 χ^2/NDF: 51.3/49

In: 0.000+/-0.000 χ^2/NDF:41.3/44

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: 0.000+/-0.000 χ^2/NDF: 115.6/97


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: 8157724.9/21
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: 14302787.3/49
In: 0.001+/-0.000 χ²/NDF:15894147.1/44
Out: 0.001+/-0.000 χ²/NDF:4085035.3/52
All: 0.001+/-0.000 χ²/NDF: 23452883.6/97



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

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

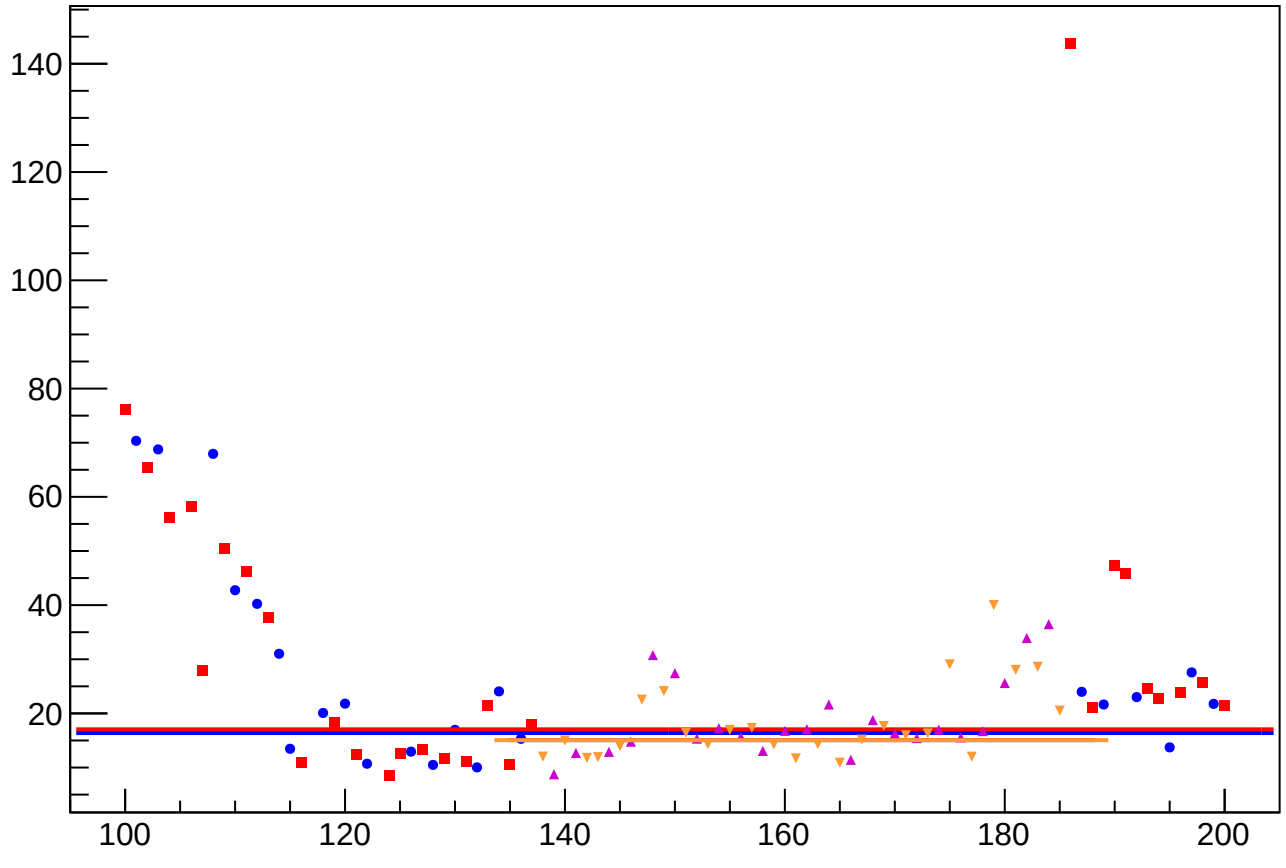
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 39.5/49

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.002+/-0.003 χ^2/NDF:48.7/52

All: 0.002+/-0.002 χ^2/NDF: 106.7/97



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

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

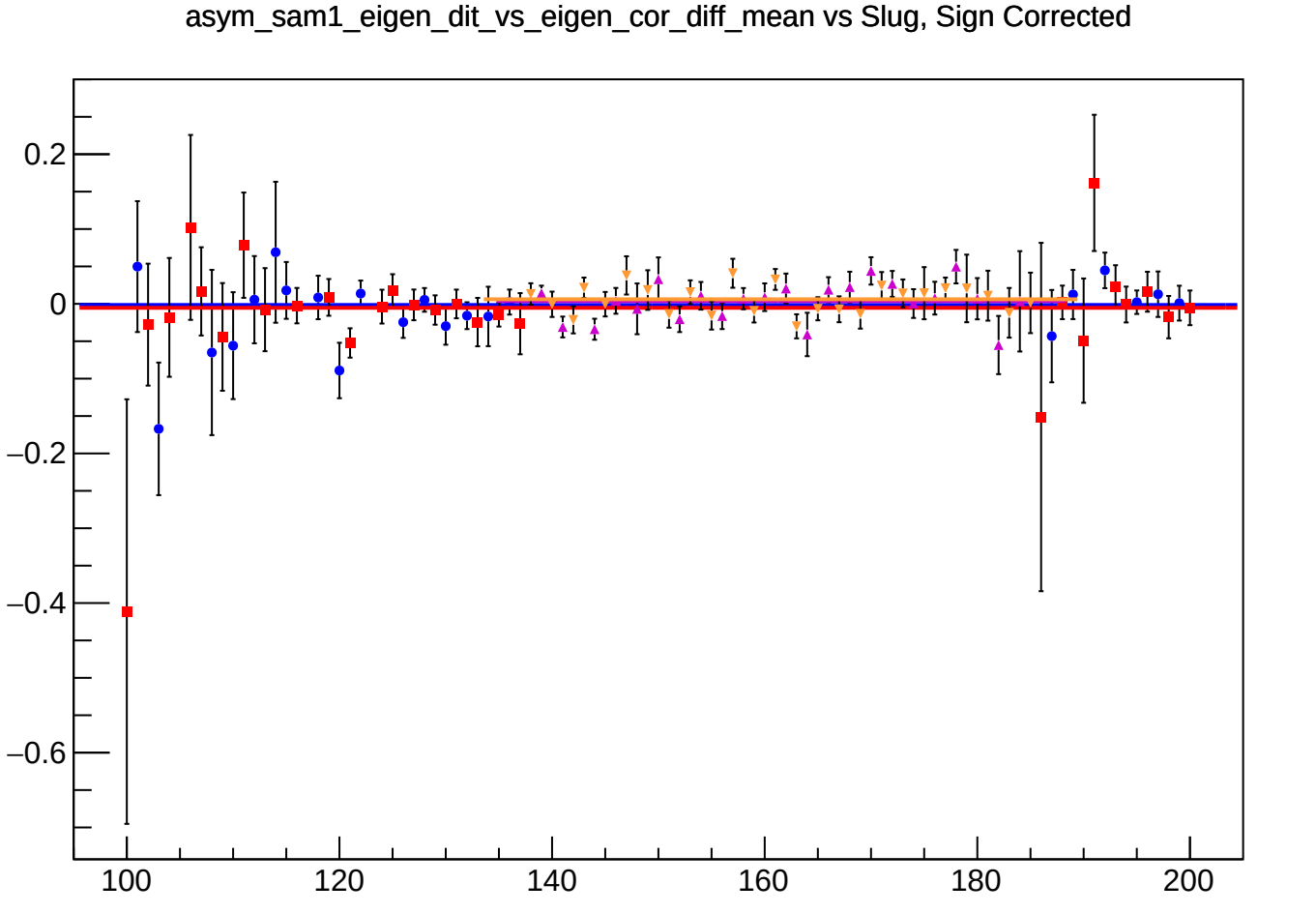
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

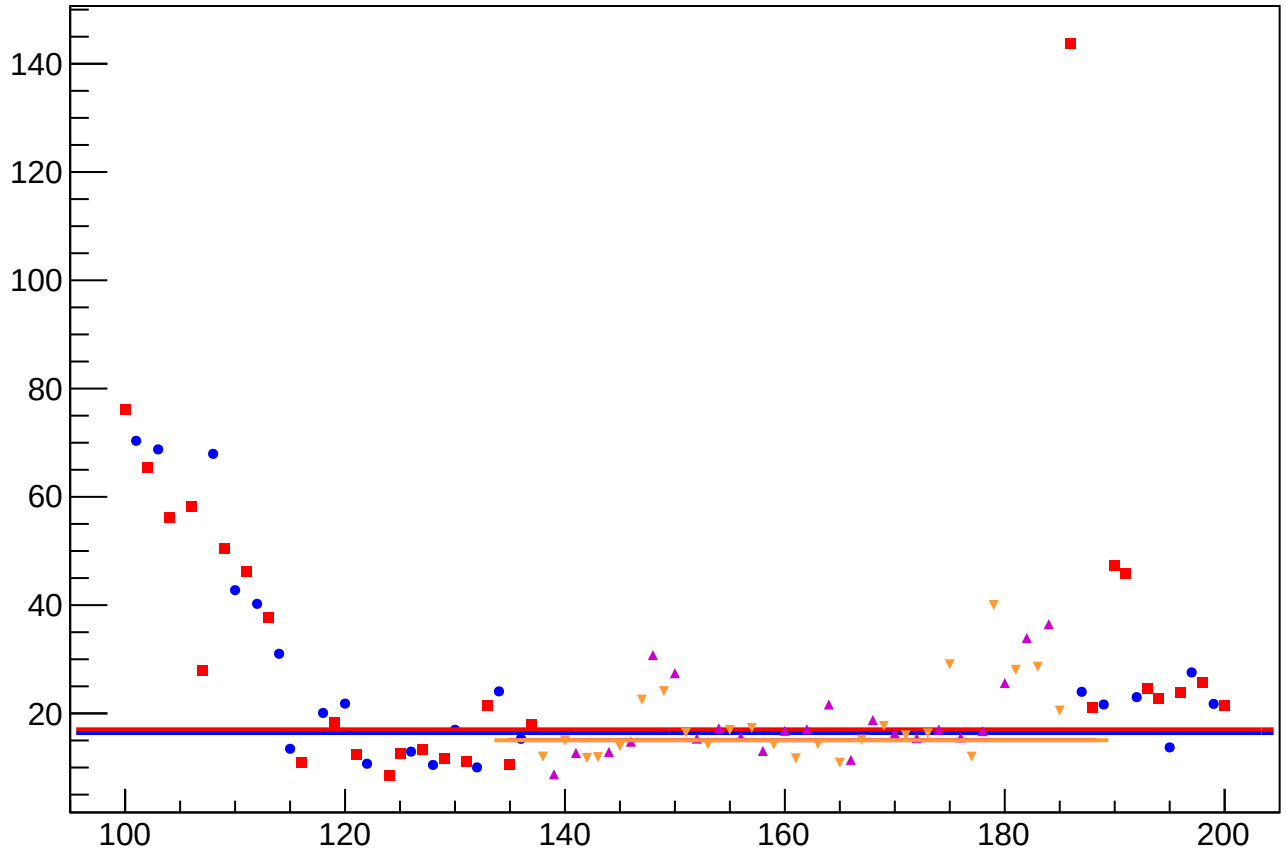
Right: 16.729+/-0.003 χ^2/NDF: 9969421.3/49

In: 15.487+/-0.002 χ^2/NDF:7332788.3/44

Out: 15.684+/-0.002 χ^2/NDF:8710465.6/52

All: 15.589+/-0.002 χ^2/NDF: 16047292.3/97


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.002+/-0.006 χ²/NDF: 20.3/21
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.005+/-0.005 χ²/NDF: 19.0/27
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.003+/-0.004 χ²/NDF: 39.5/49
In: 0.002+/-0.003 χ²/NDF:58.0/44
Out: 0.002+/-0.003 χ²/NDF:48.7/52
All: 0.002+/-0.002 χ²/NDF: 106.7/97



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

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

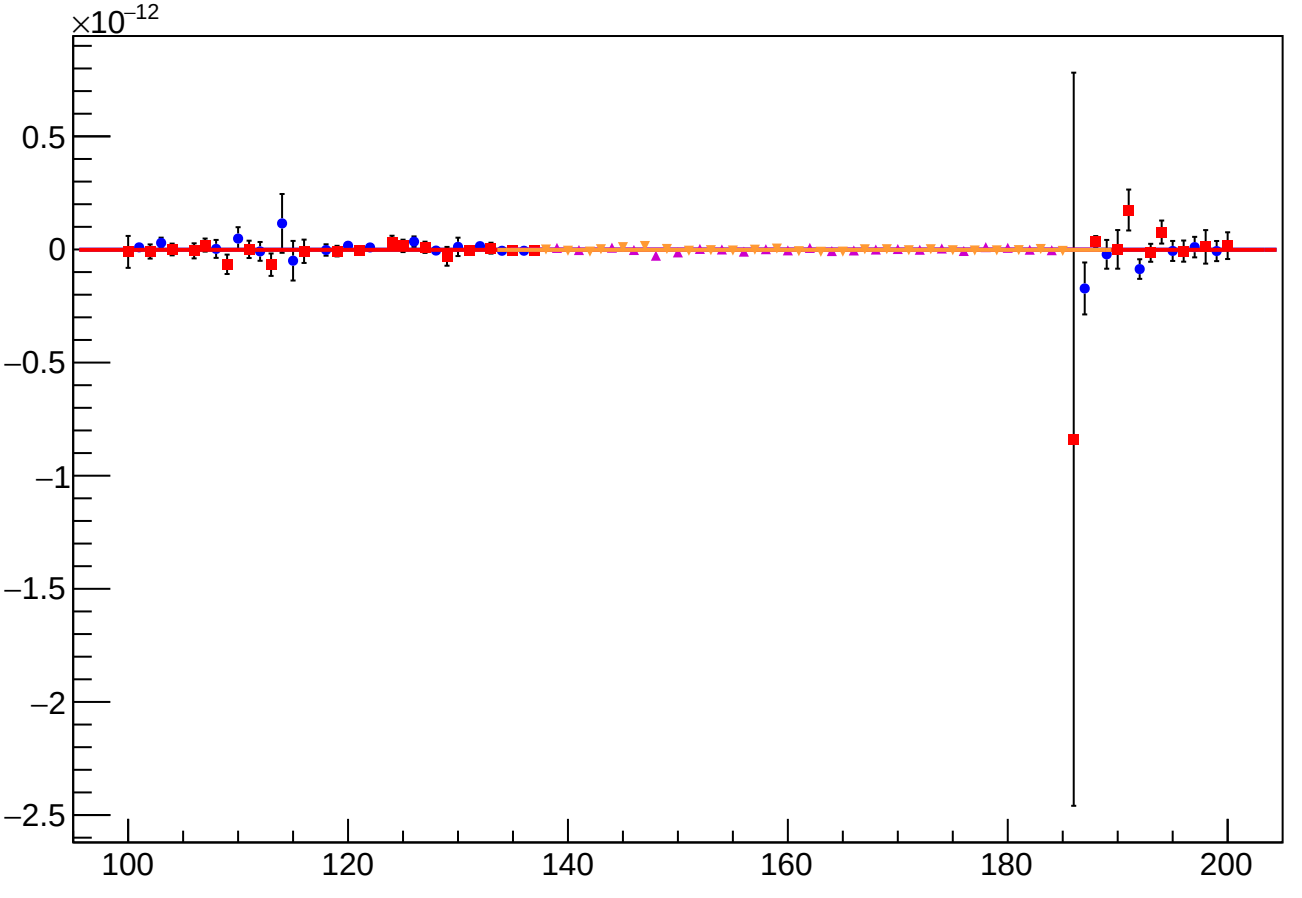
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.729+/-0.003 χ^2/NDF: 9969421.3/49

In: 15.487+/-0.002 χ^2/NDF:7332788.3/44

Out: 15.684+/-0.002 χ^2/NDF:8710465.6/52

All: 15.589+/-0.002 χ^2/NDF: 16047292.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/21

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

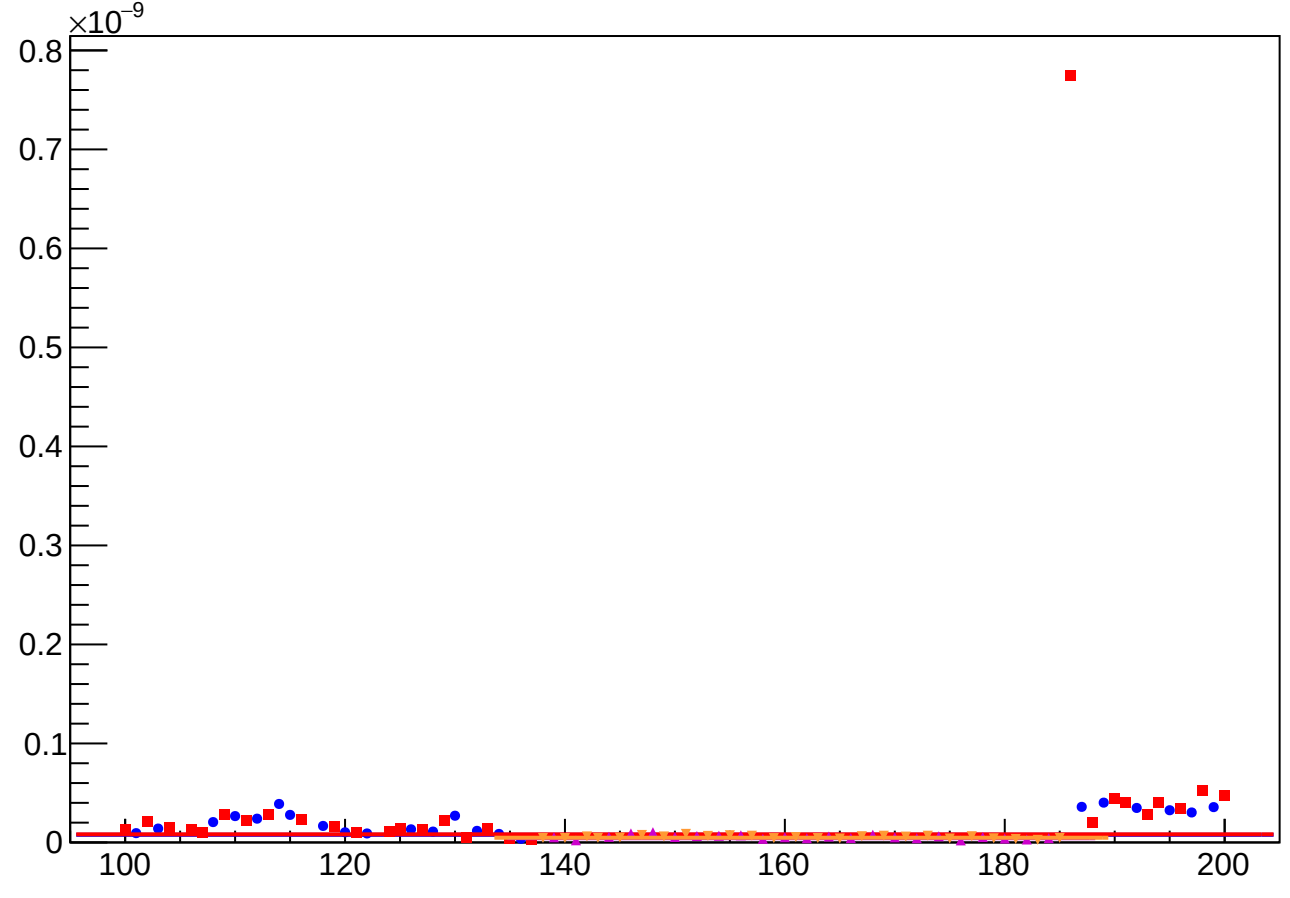
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.4/49

In: -0.000+/-0.000 χ^2/NDF:37.1/44

Out: -0.000+/-0.000 χ^2/NDF:30.9/52

All: -0.000+/-0.000 χ^2/NDF: 68.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 6970285.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9501254.9/27

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

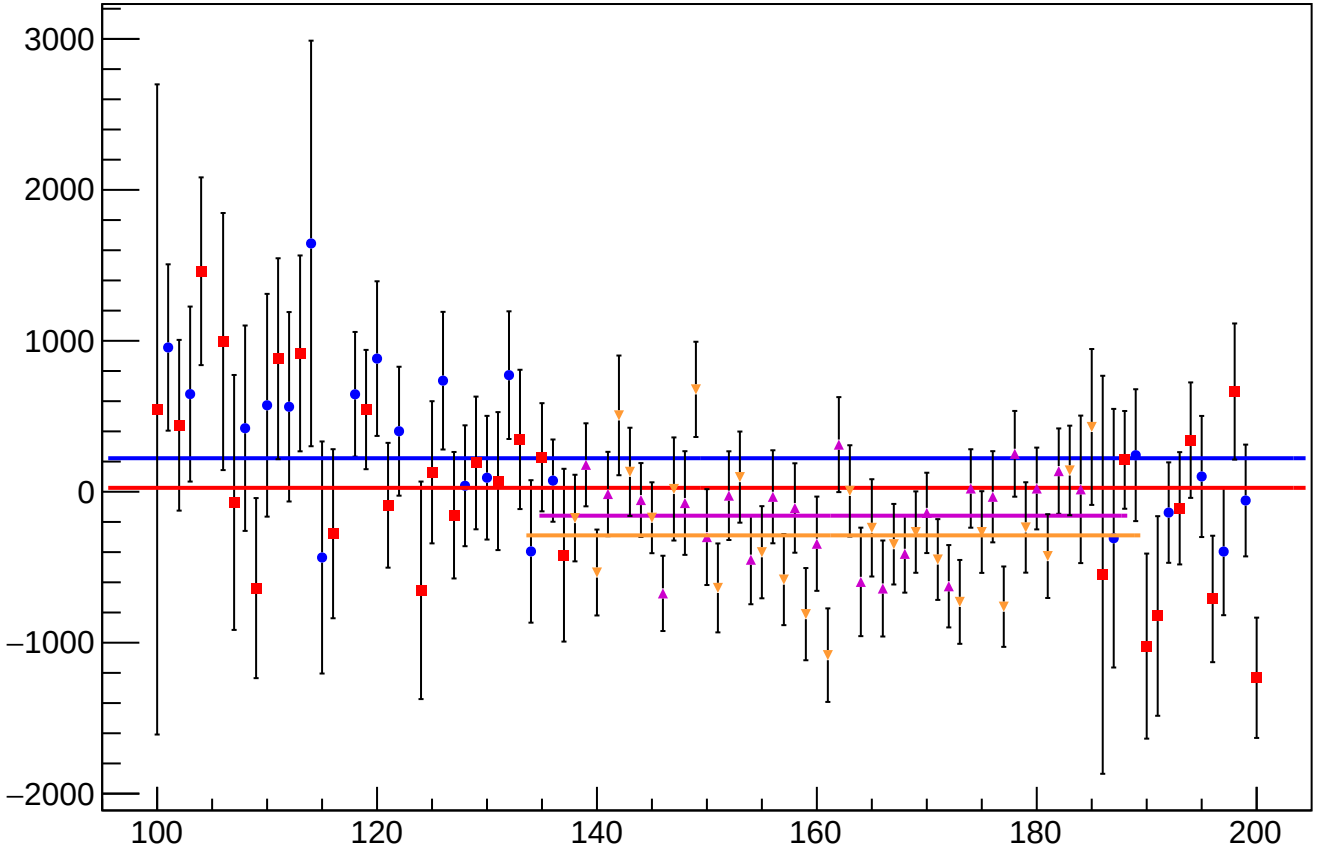
Right: 0.000+/-0.000 χ^2/NDF: 16488475.8/49

In: 0.000+/-0.000 χ^2/NDF:12001792.2/44

Out: 0.000+/-0.000 χ^2/NDF:13026916.8/52

All: 0.000+/-0.000 χ^2/NDF: 25178149.4/97

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 222.176+/-97.342 χ^2/NDF: 17.3/21

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

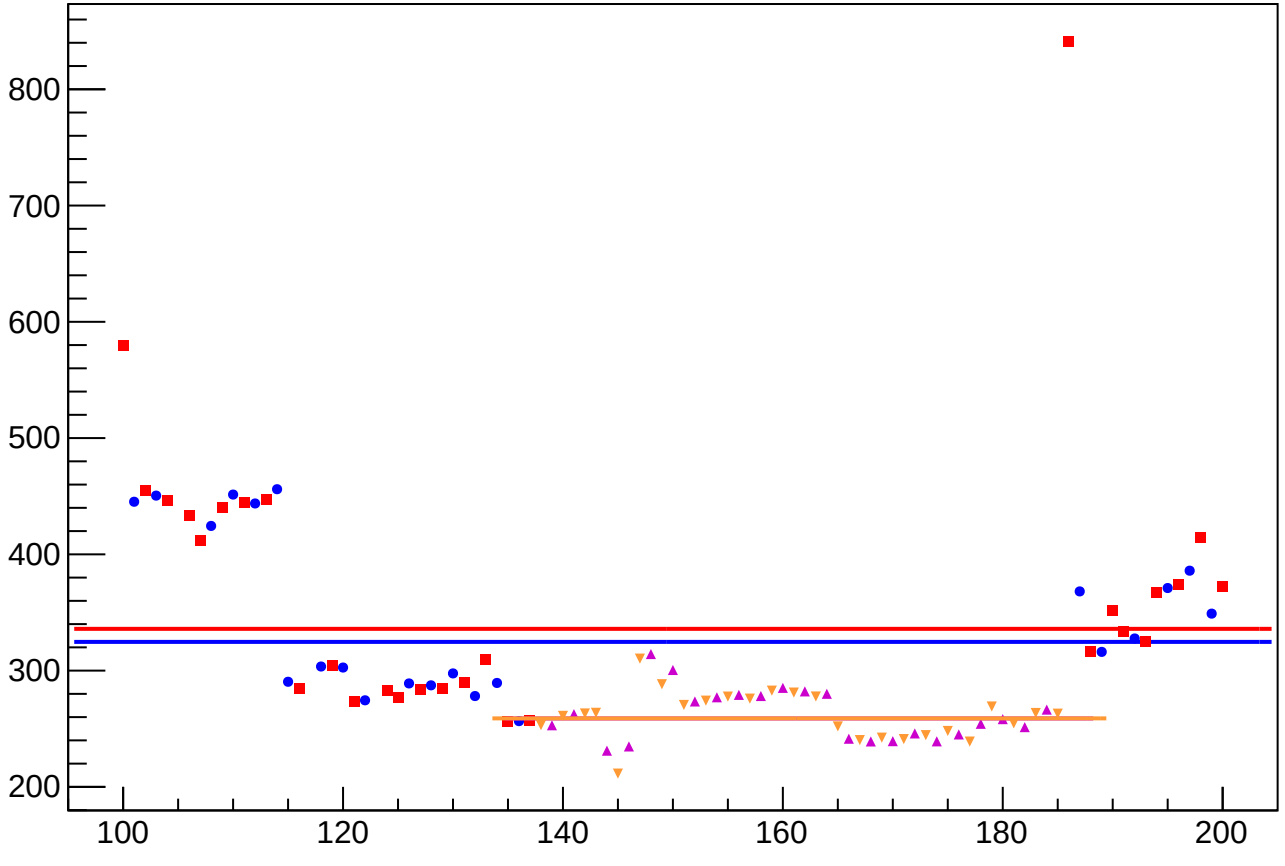
Right: 119.706+/-67.298 χ^2/NDF: 57.2/49

In: -51.973+/-51.511 χ^2/NDF:50.9/44

Out: -198.705+/-49.863 χ^2/NDF:88.3/52

All: -127.723+/-35.827 χ^2/NDF: 143.4/97

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 324.701+/-0.069 χ^2/NDF: 706225.3/21

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

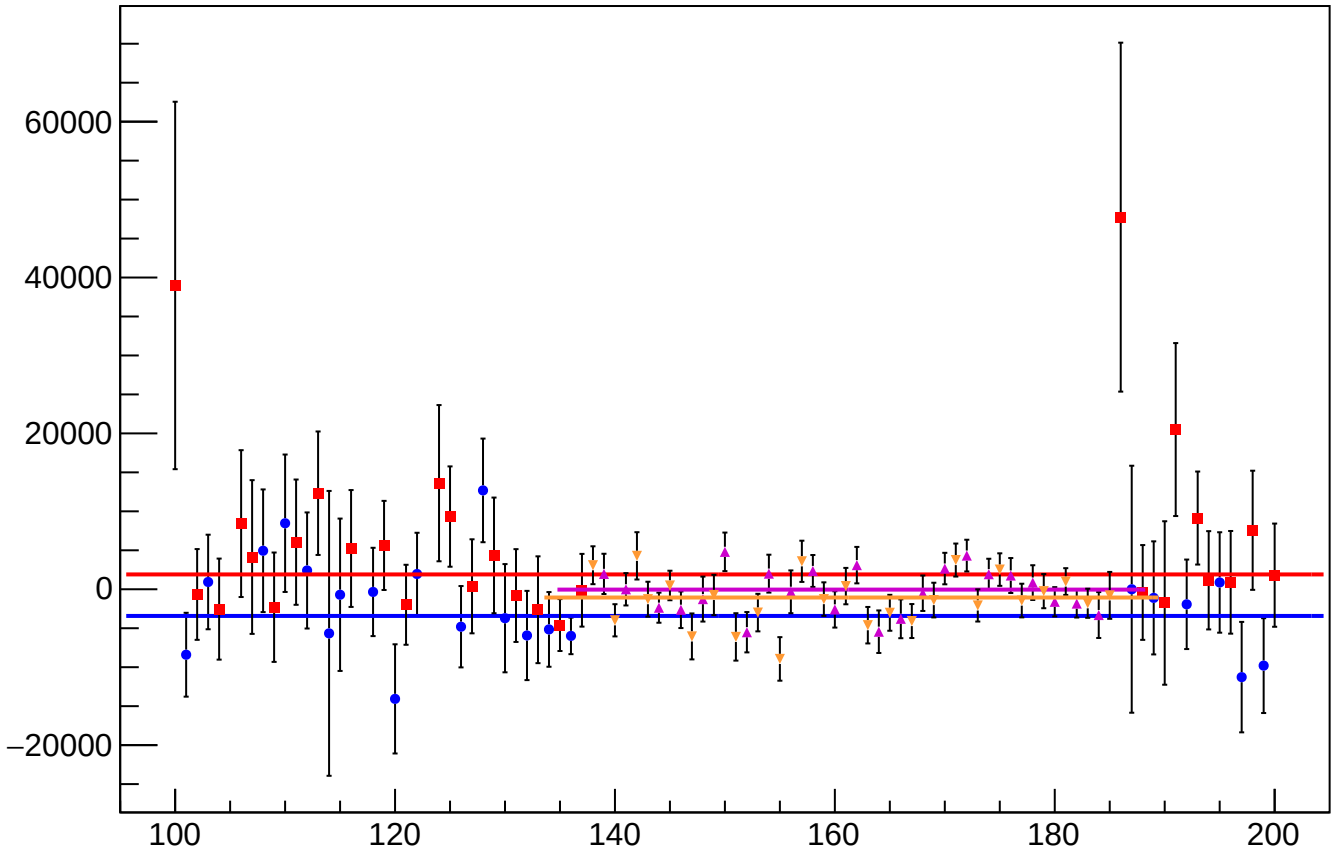
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.559+/-0.048 χ^2/NDF: 1864749.5/49

In: 277.285+/-0.036 χ^2/NDF:1610292.2/44

Out: 280.982+/-0.035 χ^2/NDF:2368756.5/52

All: 279.194+/-0.025 χ^2/NDF: 3984367.3/97



Right In: -3422.765+/-1221.746 χ^2/NDF: 19.1/21

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

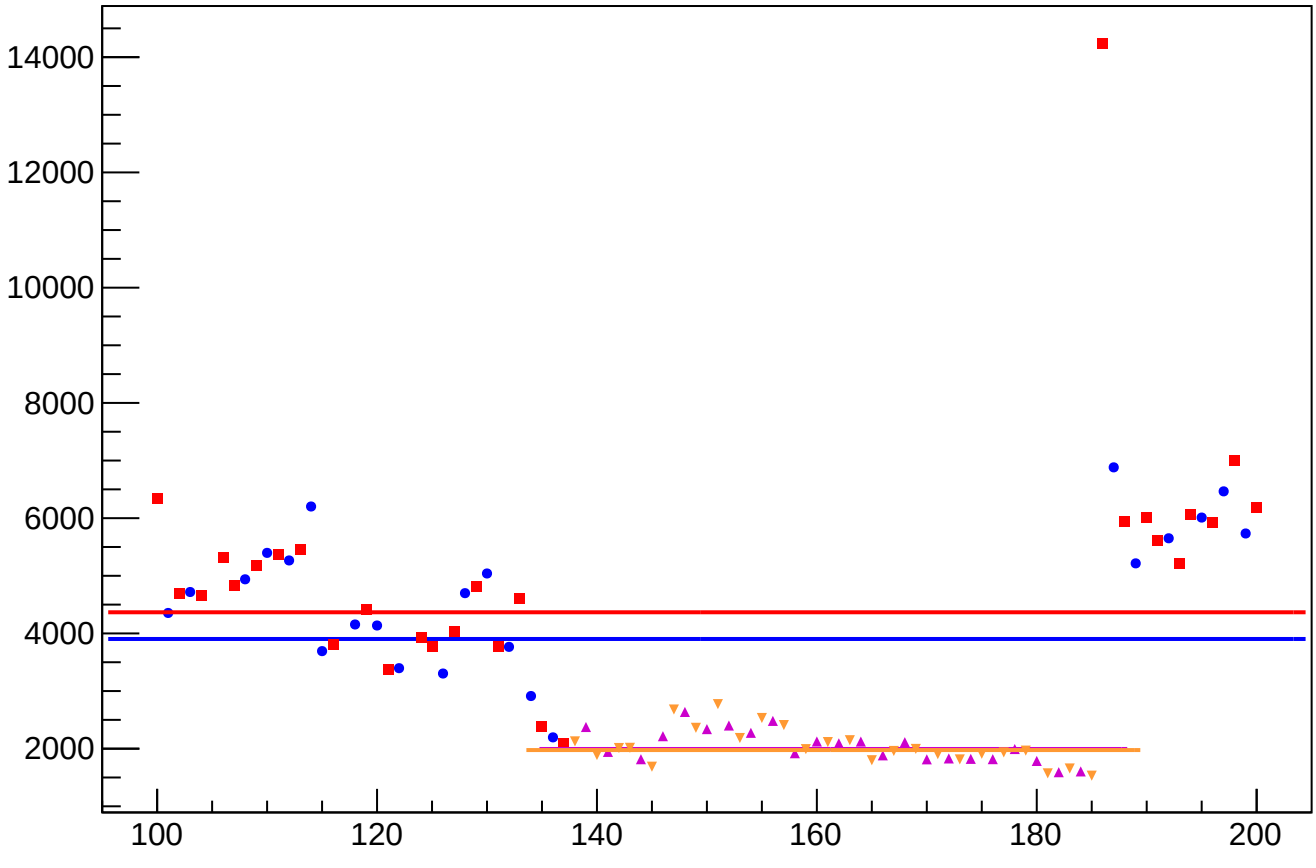
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -815.222+/-872.897 χ^2/NDF: 52.5/49

In: -481.003+/-439.230 χ^2/NDF:59.9/44

Out: -711.855+/-427.171 χ^2/NDF:70.5/52

All: -599.641+/-306.230 χ^2/NDF: 130.6/97



Right In: 3903.683+/-0.864 χ^2/NDF: 2500199.8/21

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

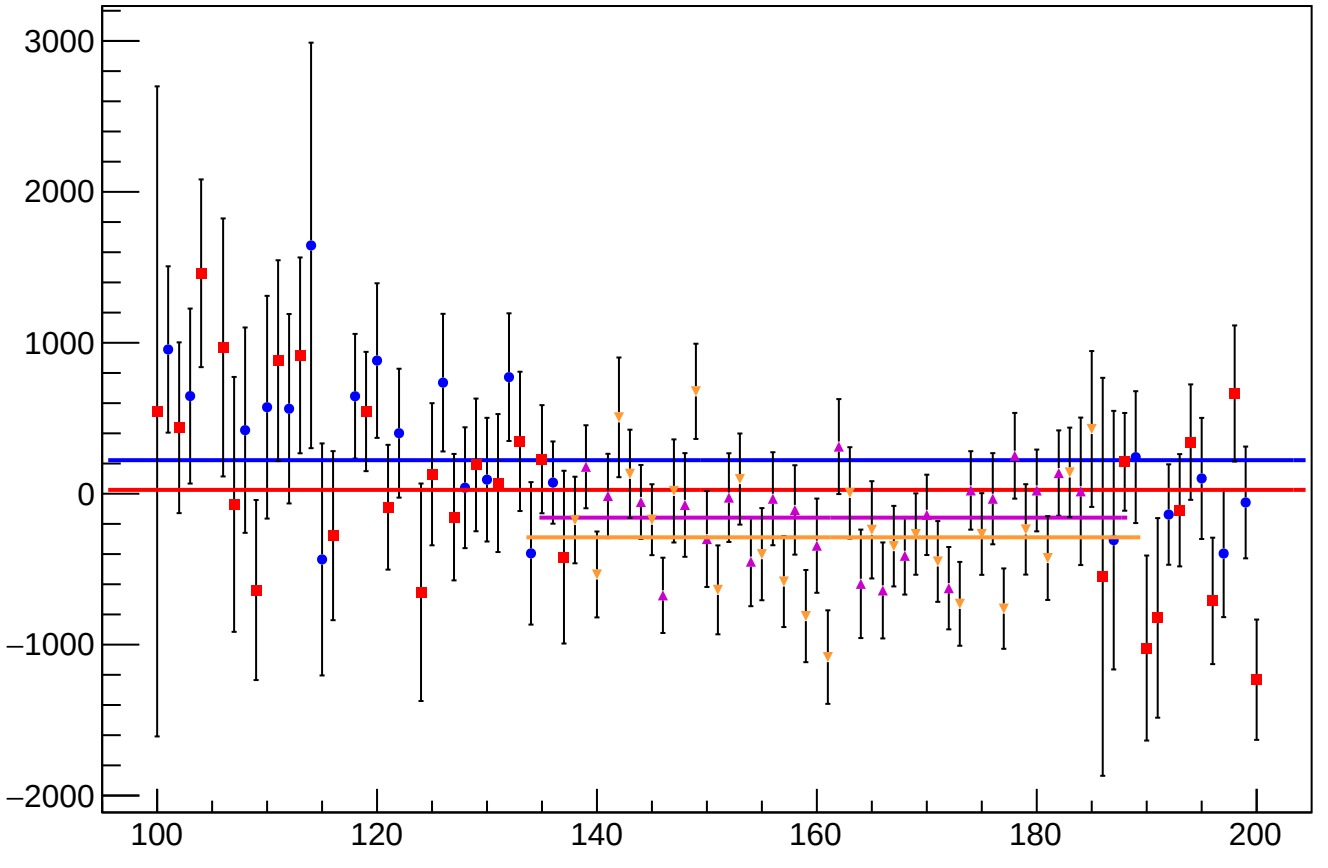
Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

Right: 4130.460+/-0.617 χ^2/NDF: 5397357.1/49

In: 2241.483+/-0.311 χ^2/NDF:7351672.6/44

Out: 2256.276+/-0.302 χ^2/NDF:10004274.3/52

All: 2249.085+/-0.217 χ^2/NDF: 17357112.7/9



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

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

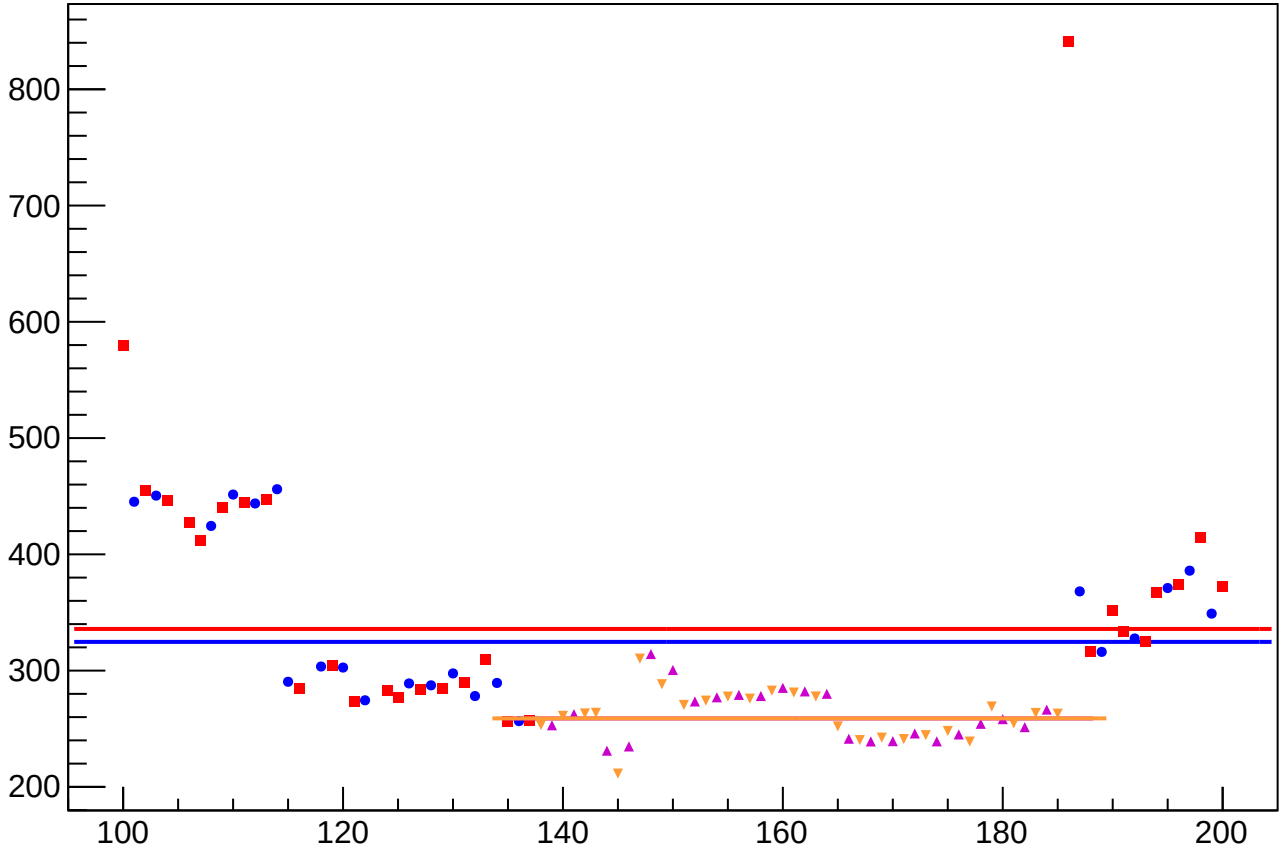
Right: 119.438+/-67.300 χ^2/NDF: 57.1/49

In: -51.986+/-51.511 χ^2/NDF:50.9/44

Out: -198.861+/-49.864 χ^2/NDF:88.2/52

All: -127.809+/-35.827 χ^2/NDF: 143.2/97

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

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

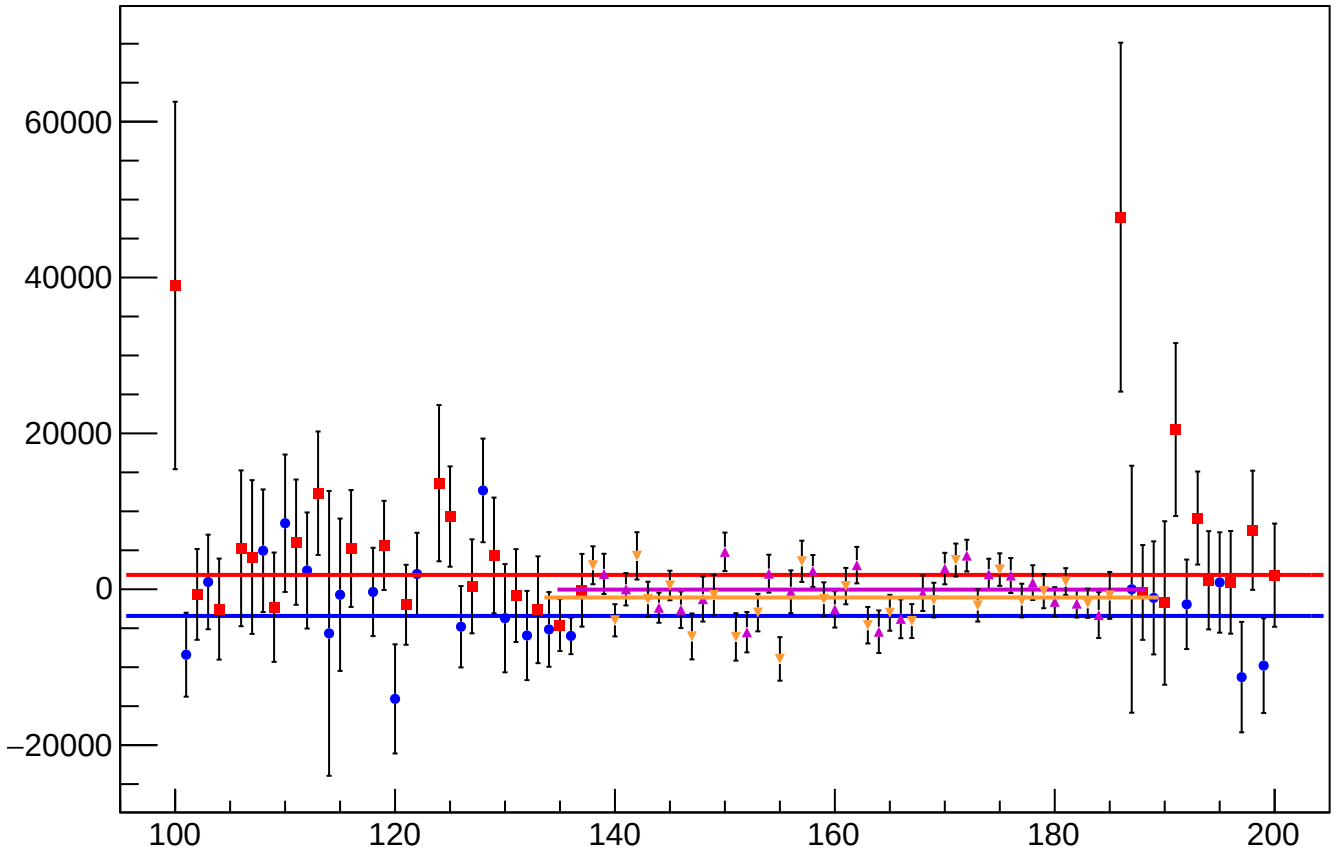
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.513+/-0.048 χ^2/NDF: 1861025.5/49

In: 277.285+/-0.036 χ^2/NDF:1610293.7/44

Out: 280.955+/-0.035 χ^2/NDF:2362962.6/52

All: 279.180+/-0.025 χ^2/NDF: 3978498.2/97



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

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

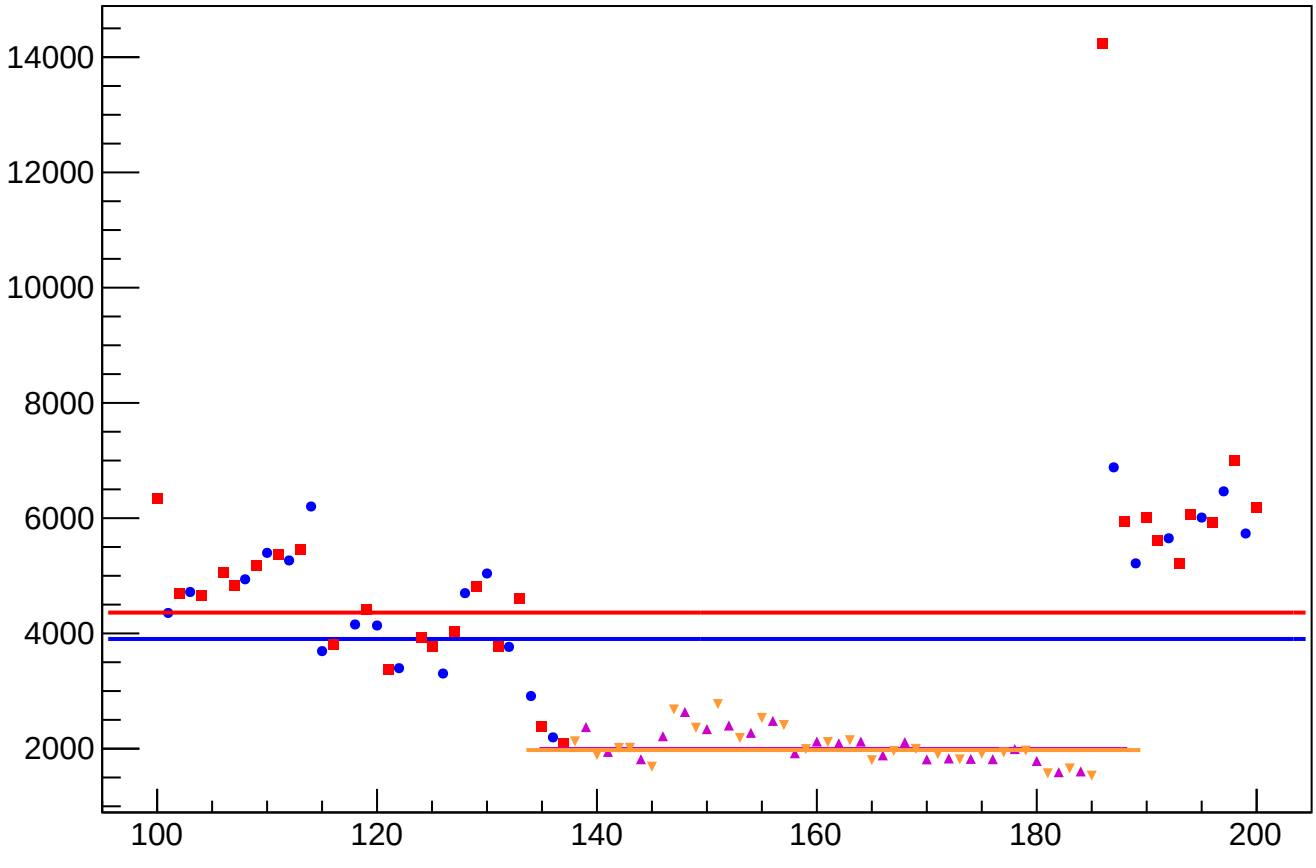
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -848.074+/-873.326 χ^2/NDF: 51.9/49

In: -480.992+/-439.230 χ^2/NDF:59.9/44

Out: -719.702+/-427.221 χ^2/NDF:69.9/52

All: -603.655+/-306.249 χ^2/NDF: 130.0/97



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

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

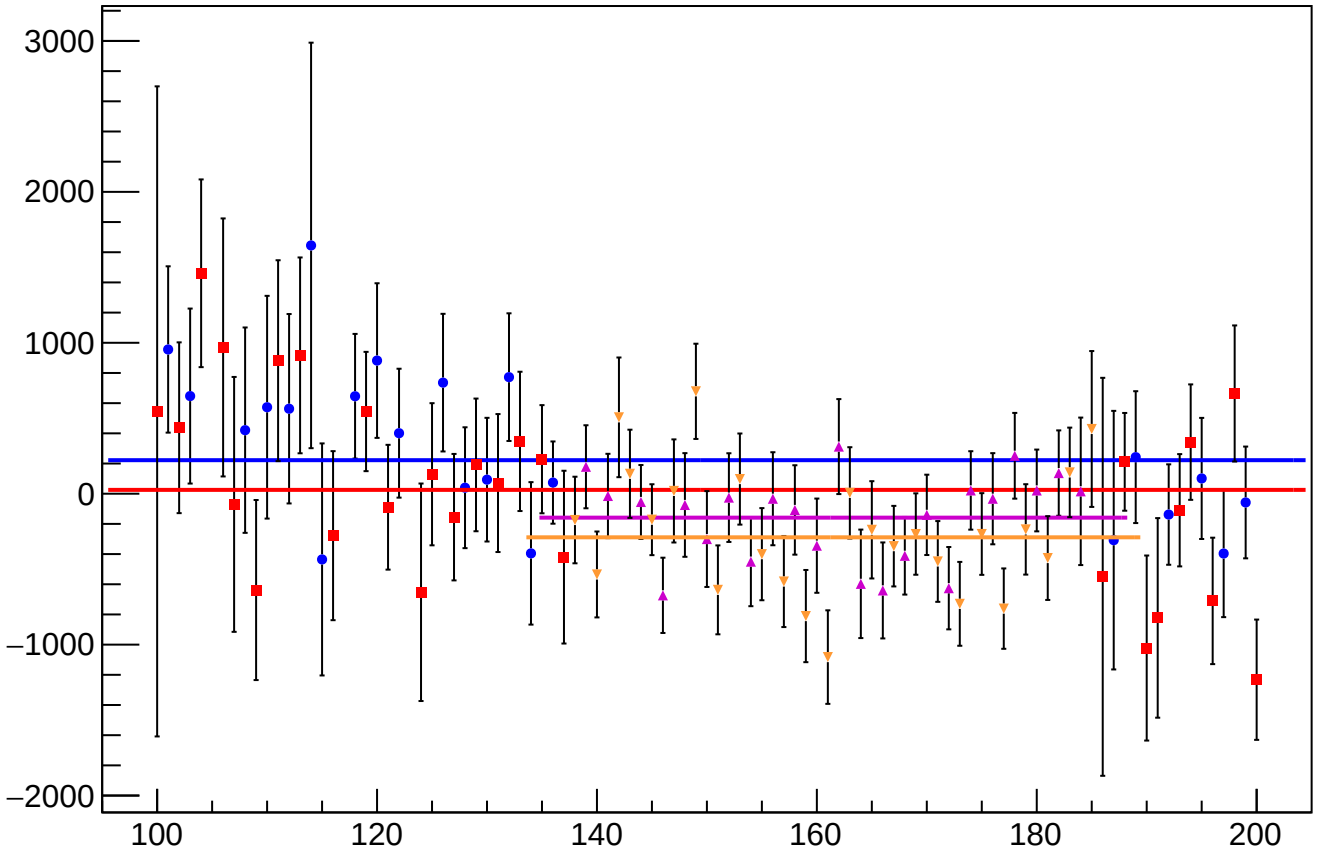
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4127.498+/-0.618 χ^2/NDF: 5383578.1/49

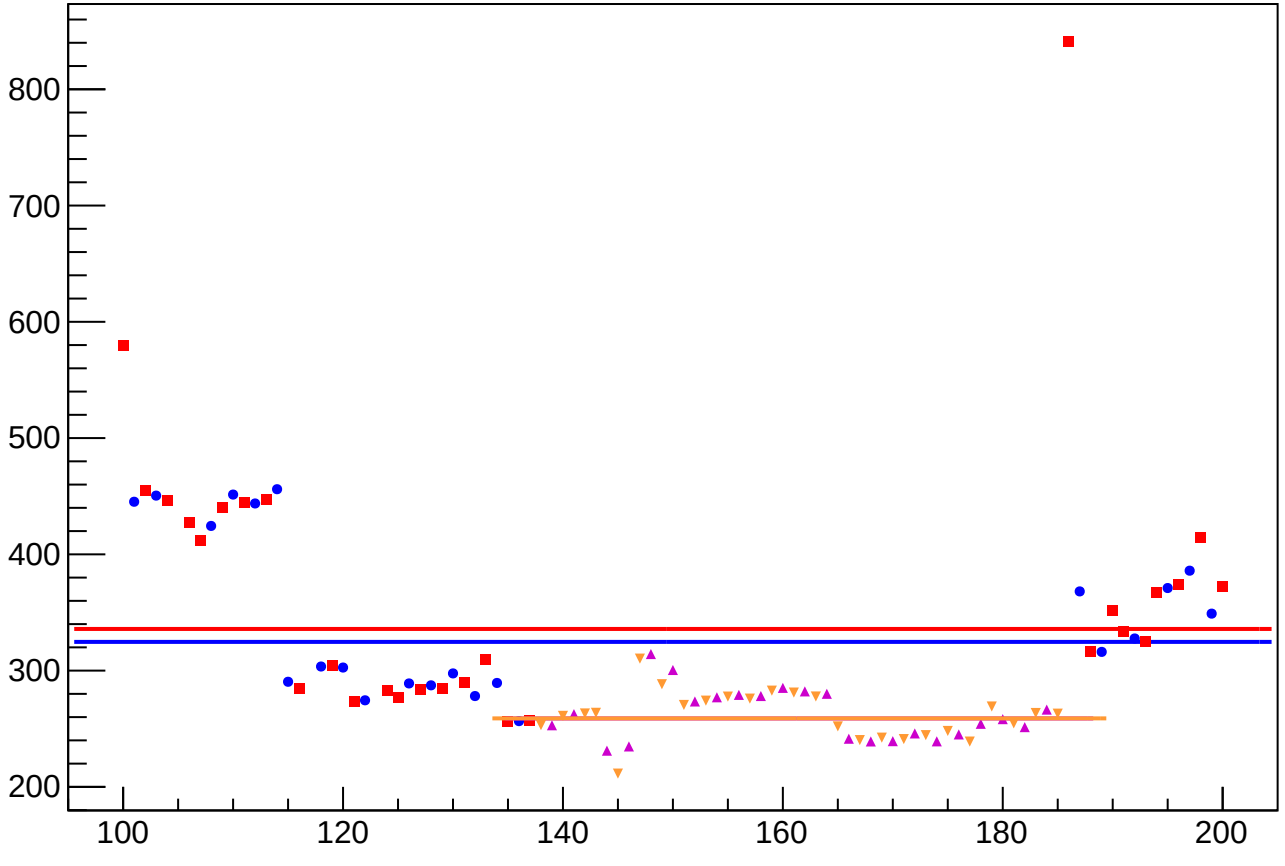
In: 2241.484+/-0.311 χ^2/NDF:7351692.5/44

Out: 2255.126+/-0.302 χ^2/NDF:9952315.5/52

All: 2248.494+/-0.217 χ^2/NDF: 17304999.5/9


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
Right In: 222.159+/-97.342 χ²/NDF: 17.3/21
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: 119.438+/-67.300 χ²/NDF: 57.1/49
In: -51.986+/-51.511 χ²/NDF:50.9/44
Out: -198.861+/-49.864 χ²/NDF:88.2/52
All: -127.809+/-35.827 χ²/NDF: 143.2/97

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

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

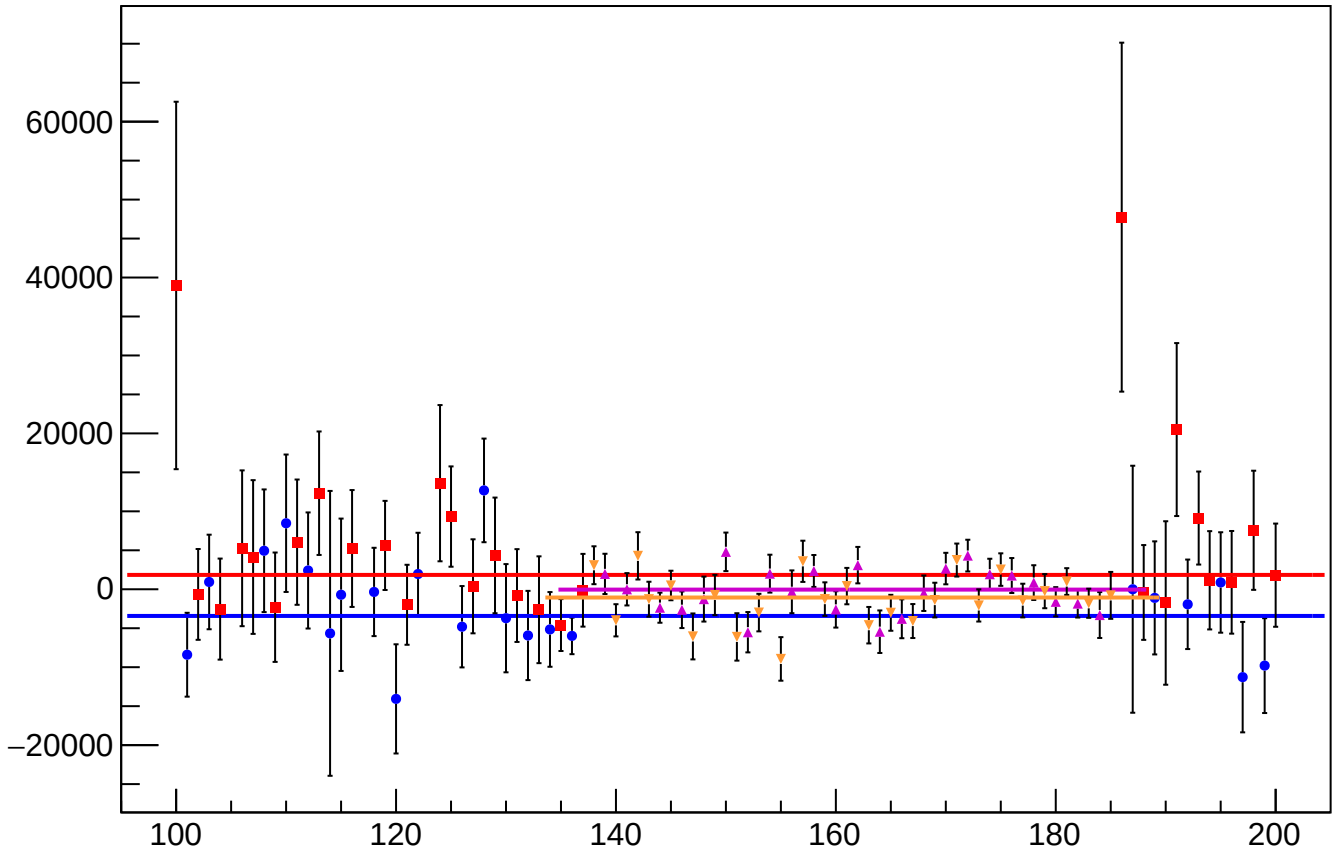
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 330.513+/-0.048 χ^2/NDF: 1861025.5/49

In: 277.285+/-0.036 χ^2/NDF:1610293.7/44

Out: 280.955+/-0.035 χ^2/NDF:2362962.6/52

All: 279.180+/-0.025 χ^2/NDF: 3978498.2/97



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

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

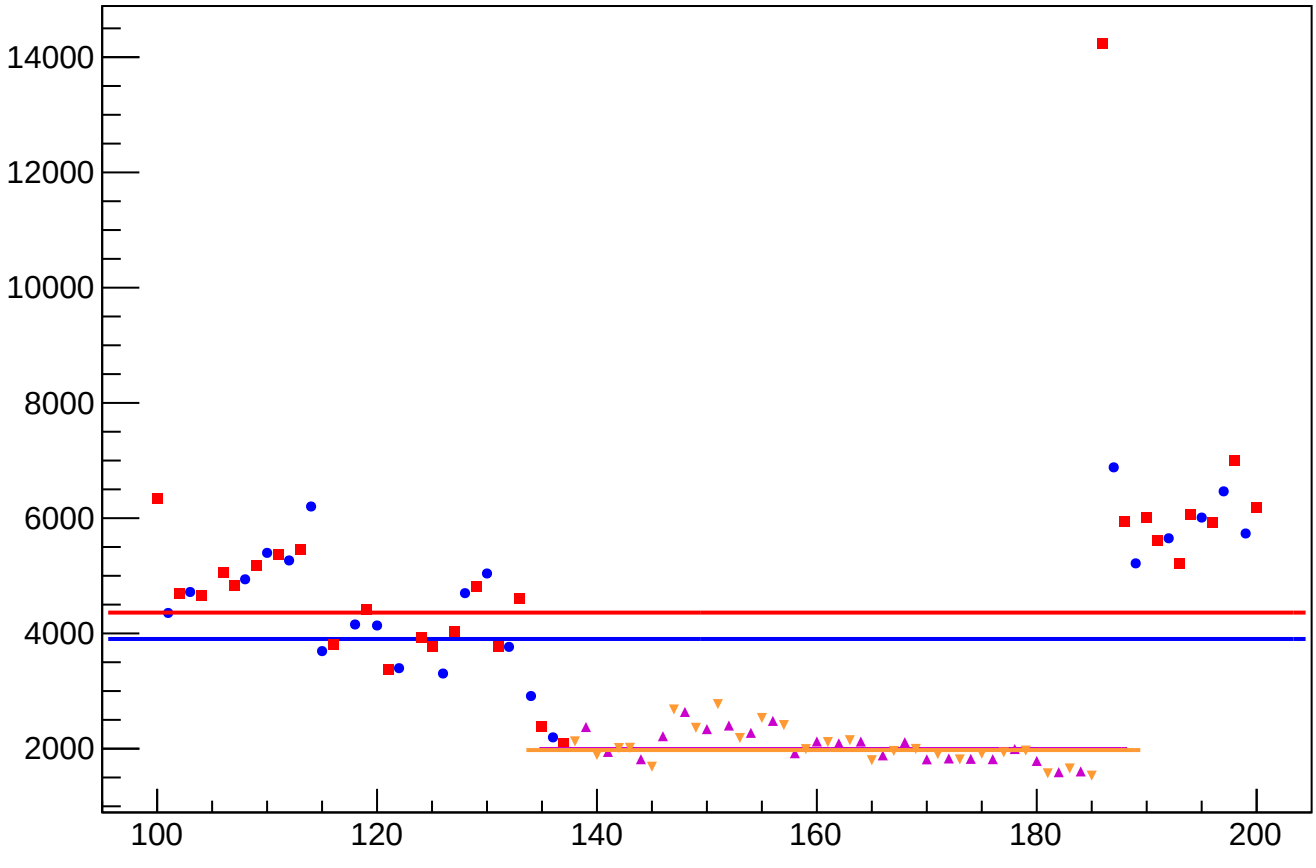
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -848.074+/-873.326 χ^2/NDF: 51.9/49

In: -480.992+/-439.230 χ^2/NDF:59.9/44

Out: -719.702+/-427.221 χ^2/NDF:69.9/52

All: -603.655+/-306.249 χ^2/NDF: 130.0/97



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

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

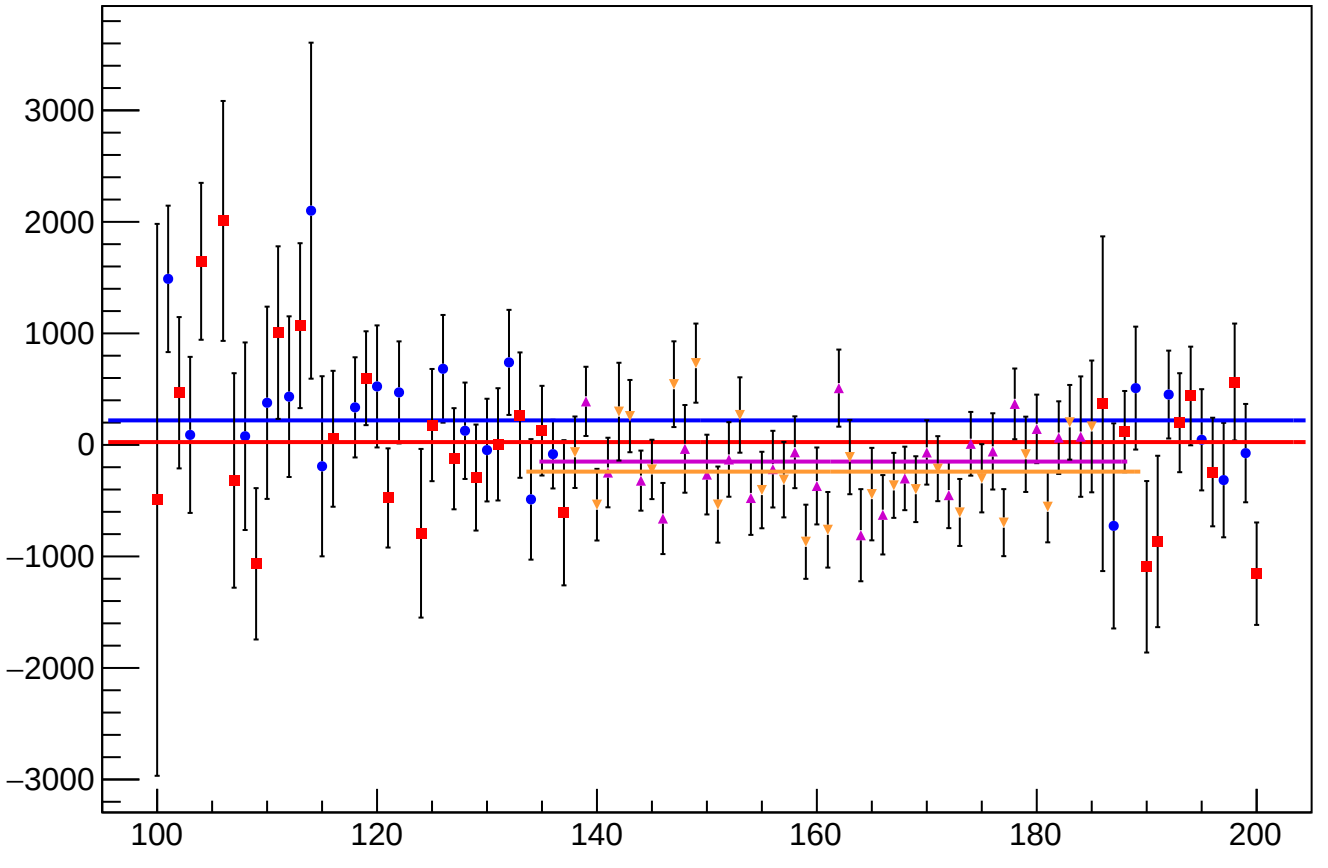
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4127.498+/-0.618 χ^2/NDF: 5383578.1/49

In: 2241.484+/-0.311 χ^2/NDF:7351692.5/44

Out: 2255.126+/-0.302 χ^2/NDF:9952315.5/52

All: 2248.494+/-0.217 χ^2/NDF: 17304999.5/9



Right In: 219.887+/-110.672 χ^2/NDF: 15.0/21

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

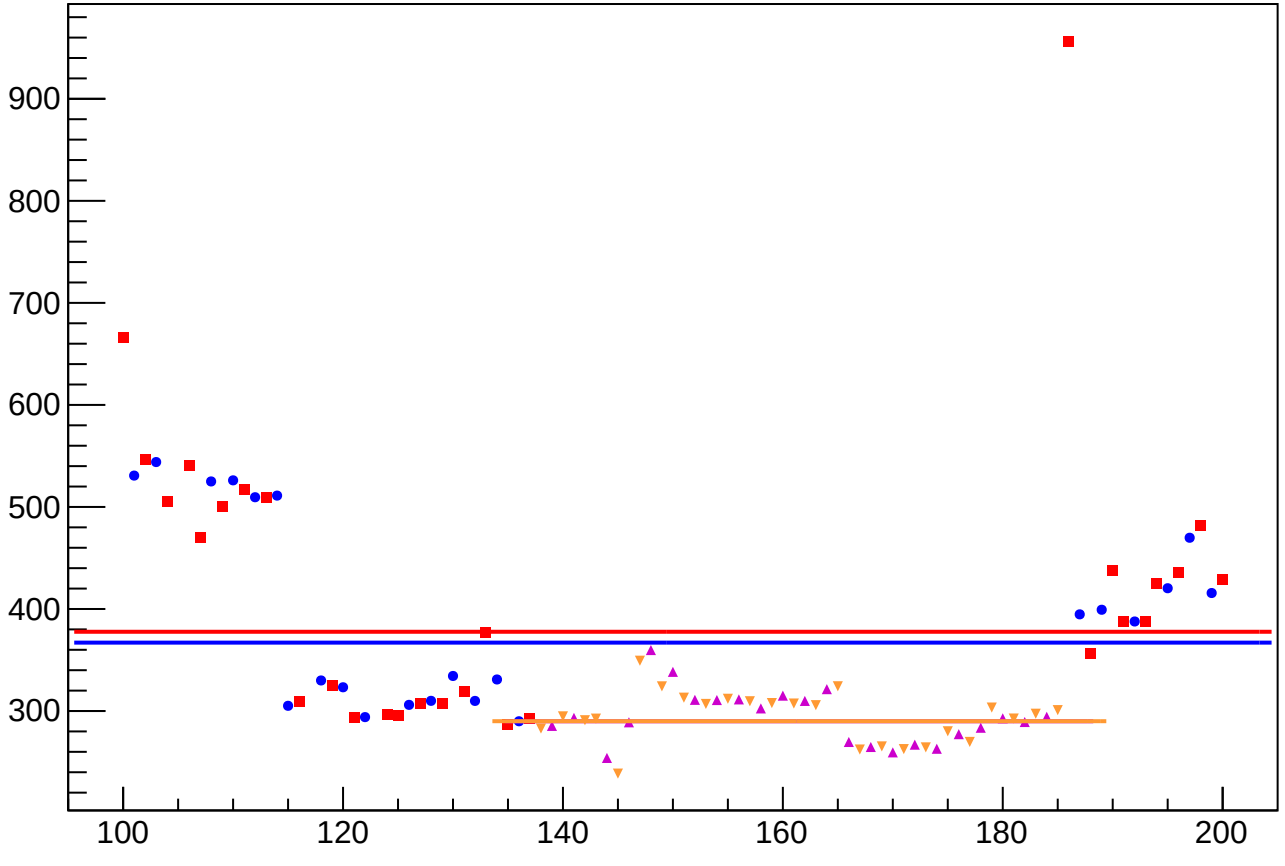
Right: 117.813+/-76.288 χ^2/NDF: 50.8/49

In: -47.933+/-58.036 χ^2/NDF:44.7/44

Out: -164.552+/-56.025 χ^2/NDF:72.8/52

All: -108.298+/-40.308 χ^2/NDF: 119.6/97

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.033+/-0.078 χ^2/NDF: 963264.2/21

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

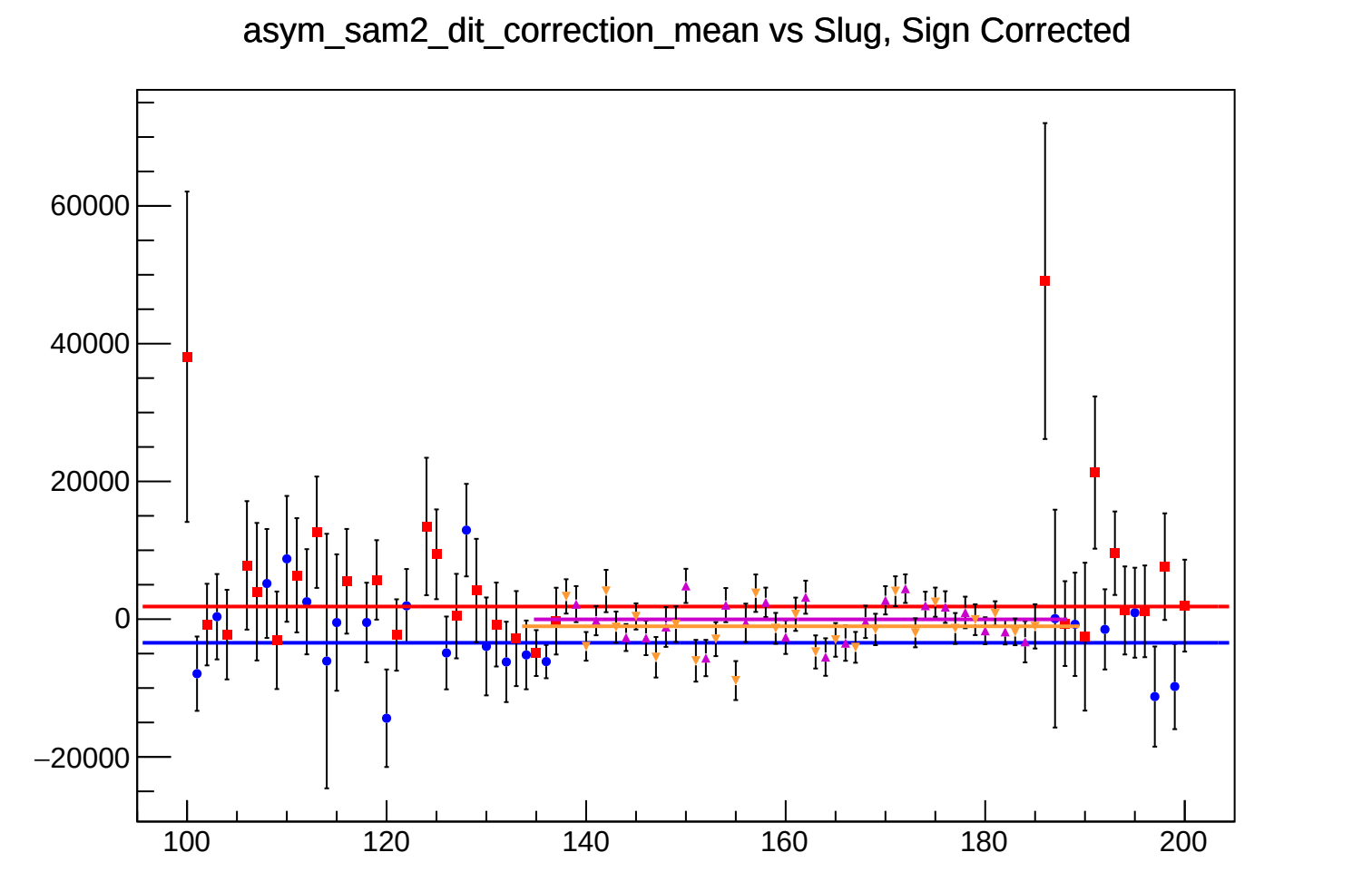
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 372.619+/-0.054 χ^2/NDF: 2379725.3/49

In: 311.141+/-0.041 χ^2/NDF:1936507.3/44

Out: 314.834+/-0.040 χ^2/NDF:2680904.1/52

All: 313.053+/-0.029 χ^2/NDF: 4621604.5/97



Right In: -3433.742+/-1248.322 χ^2/NDF: 19.0/21

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

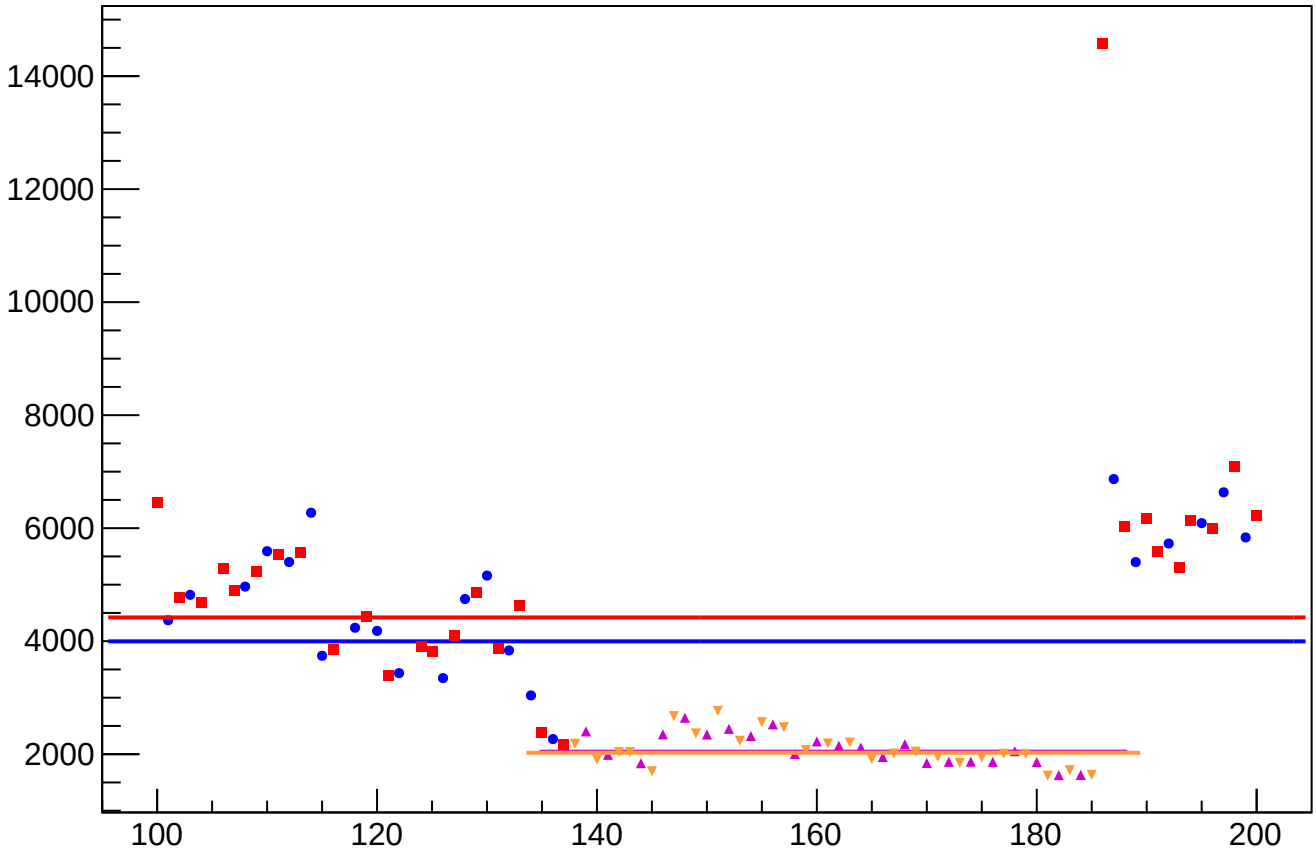
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -831.403+/-887.734 χ^2/NDF: 52.7/49

In: -472.405+/-449.873 χ^2/NDF:59.6/44

Out: -693.699+/-436.620 χ^2/NDF:69.7/52

All: -586.360+/-313.318 χ^2/NDF: 129.4/97



Right In: 3997.164+/-0.883 χ^2/NDF: 2426961.2/21

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

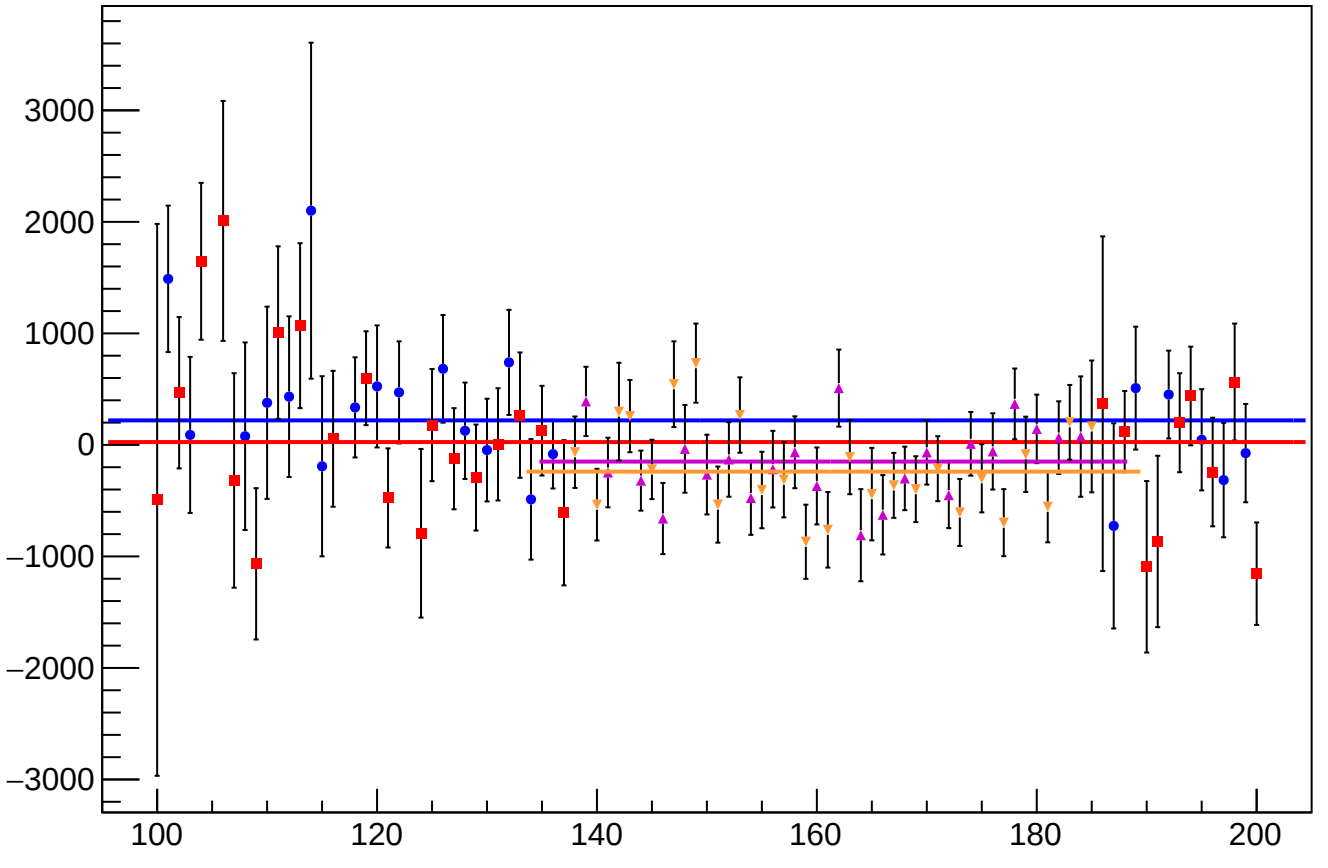
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4206.352+/-0.628 χ^2/NDF: 5299846.0/49

In: 2298.123+/-0.318 χ^2/NDF:7269853.2/44

Out: 2311.484+/-0.309 χ^2/NDF:9796598.4/52

All: 2305.003+/-0.222 χ^2/NDF: 17067360.0/9



Right In: 219.891+/-110.671 χ^2/NDF: 15.0/21

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

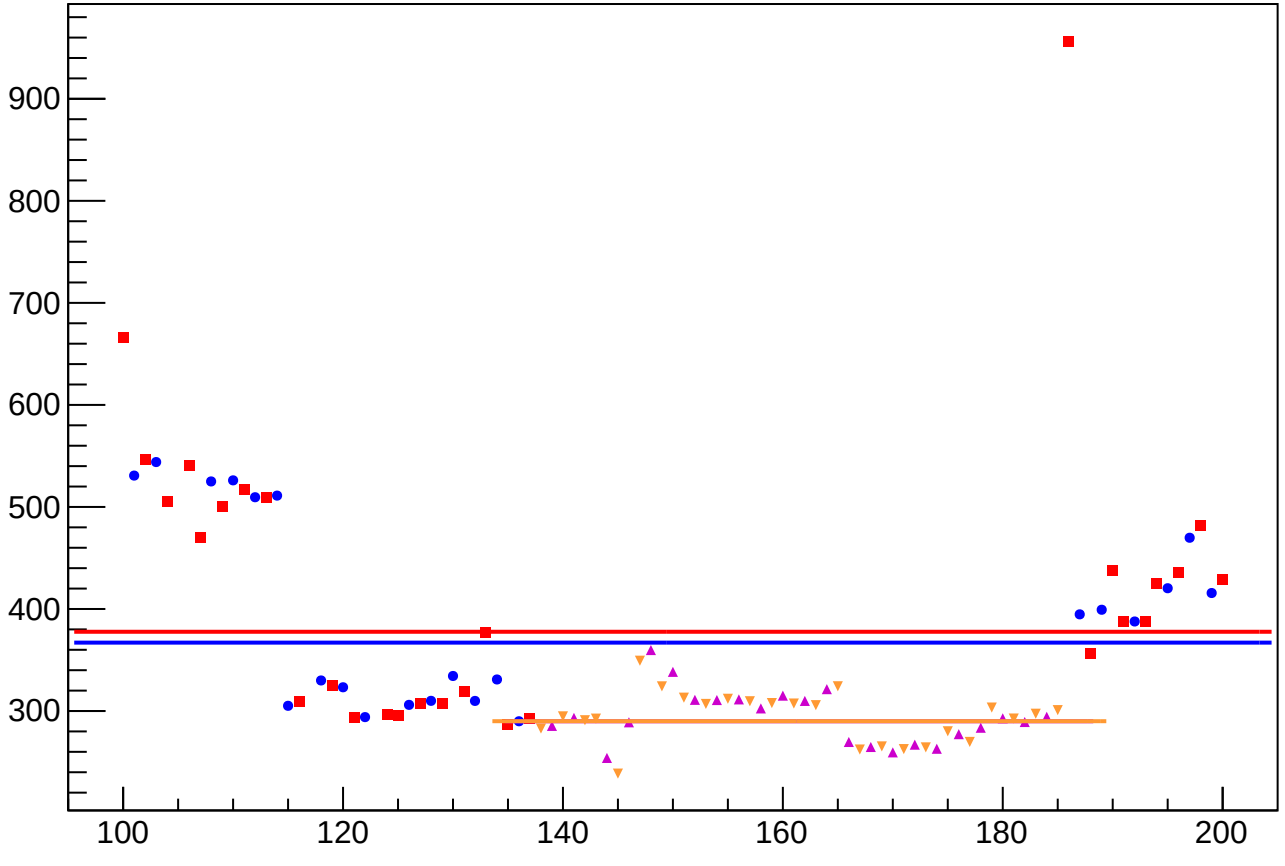
Right: 117.815+/-76.288 χ^2/NDF: 50.8/49

In: -47.932+/-58.036 χ^2/NDF:44.8/44

Out: -164.554+/-56.025 χ^2/NDF:72.8/52

All: -108.298+/-40.308 χ^2/NDF: 119.6/97

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.031+/-0.078 χ^2/NDF: 963265.6/21

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

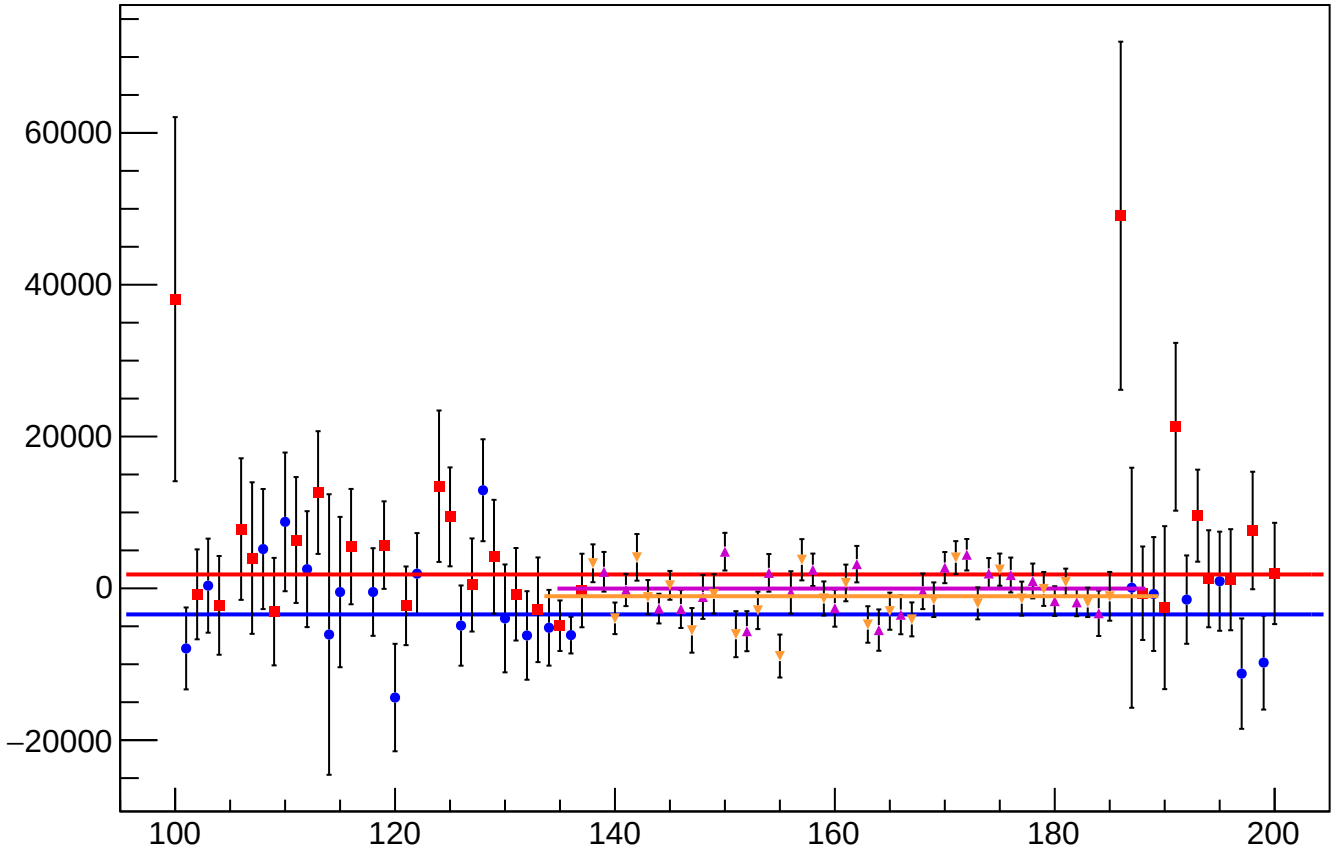
Right: 372.618+/-0.054 χ^2/NDF: 2379721.5/49

In: 311.140+/-0.041 χ^2/NDF:1936487.0/44

Out: 314.834+/-0.040 χ^2/NDF:2680885.5/52

All: 313.052+/-0.029 χ^2/NDF: 4621566.1/97

asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -3433.735+/-1248.321 χ^2/NDF: 19.0/21

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

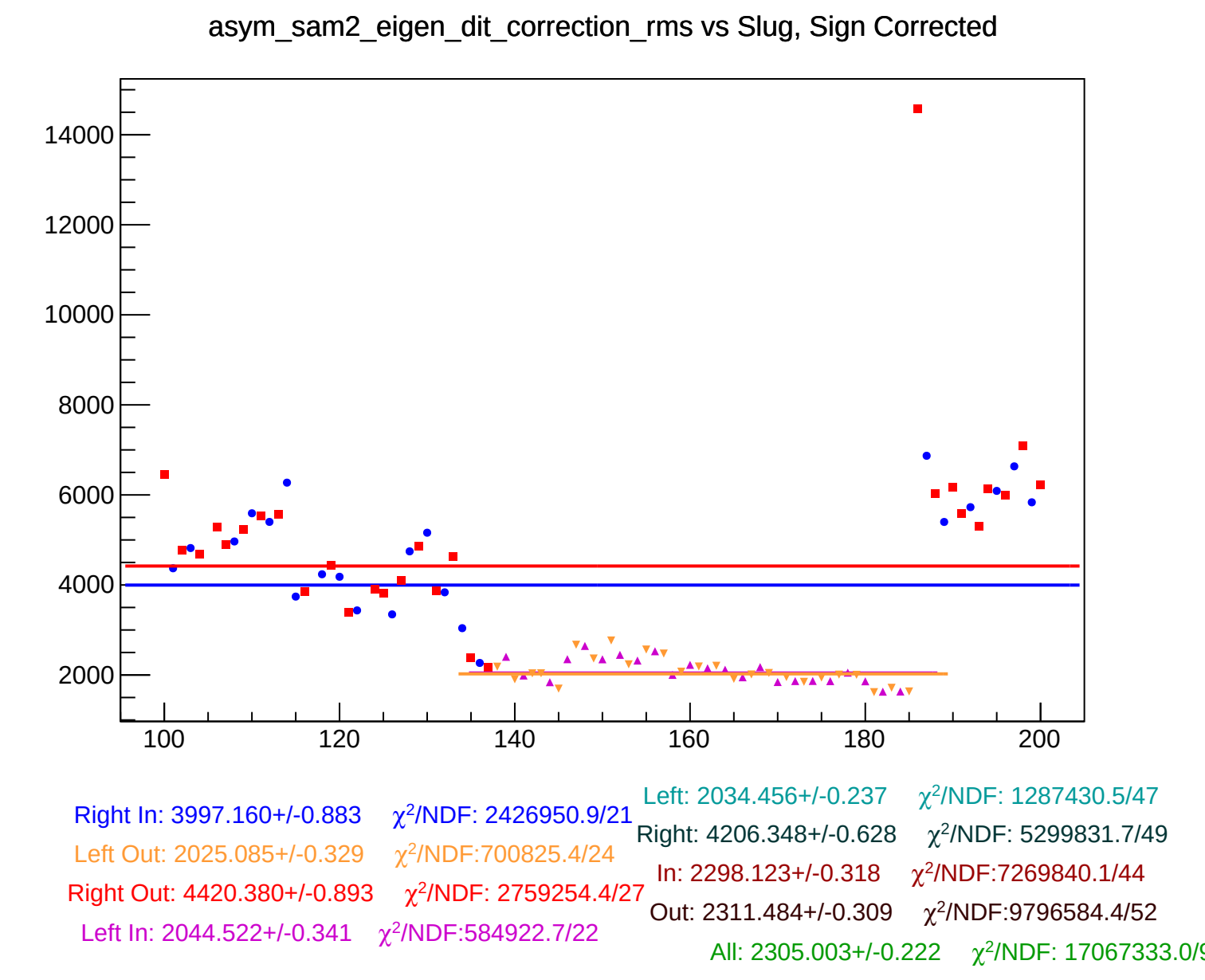
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

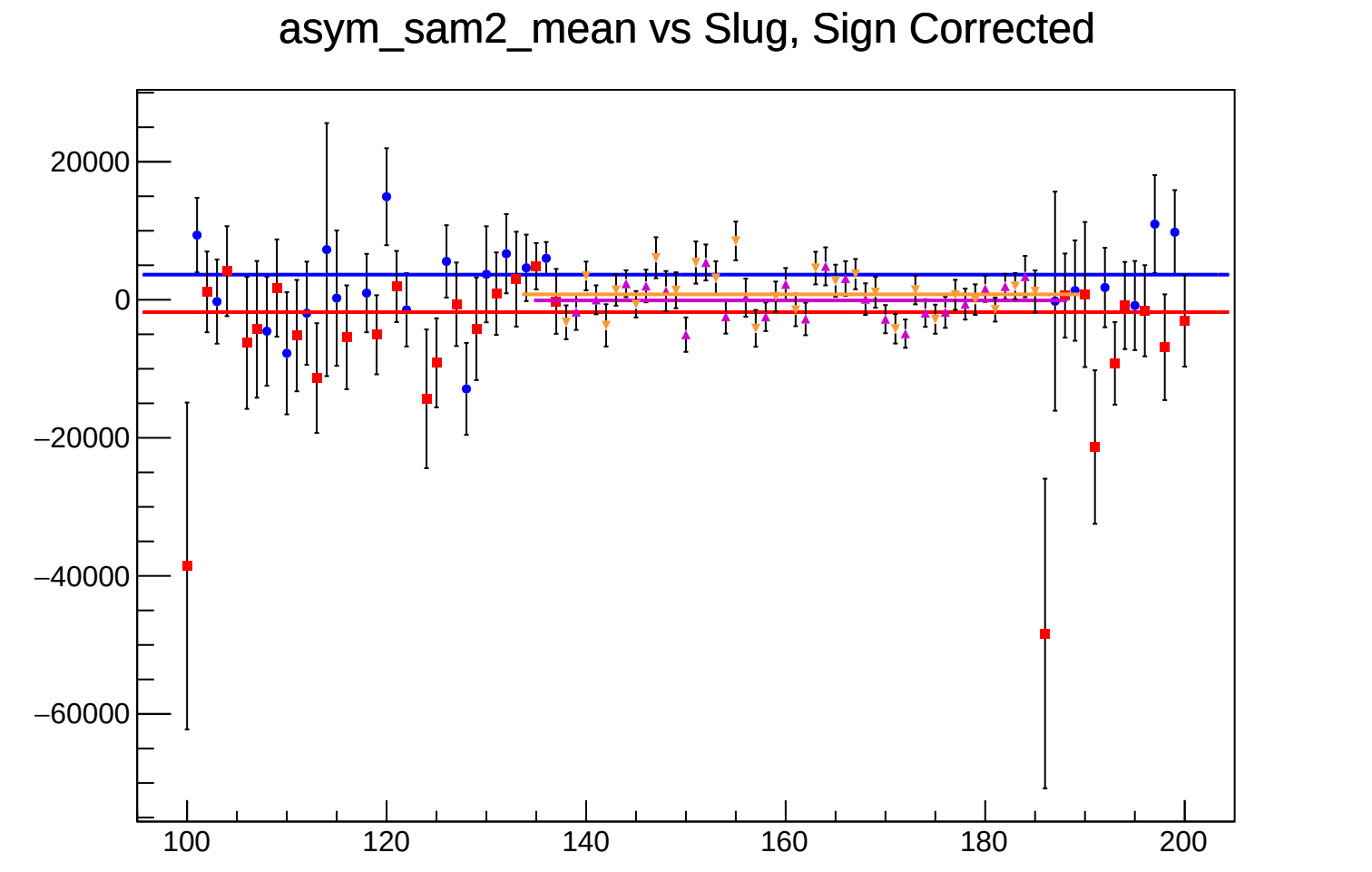
Right: -831.398+/-887.733 χ^2/NDF: 52.7/49

In: -472.403+/-449.873 χ^2/NDF:59.6/44

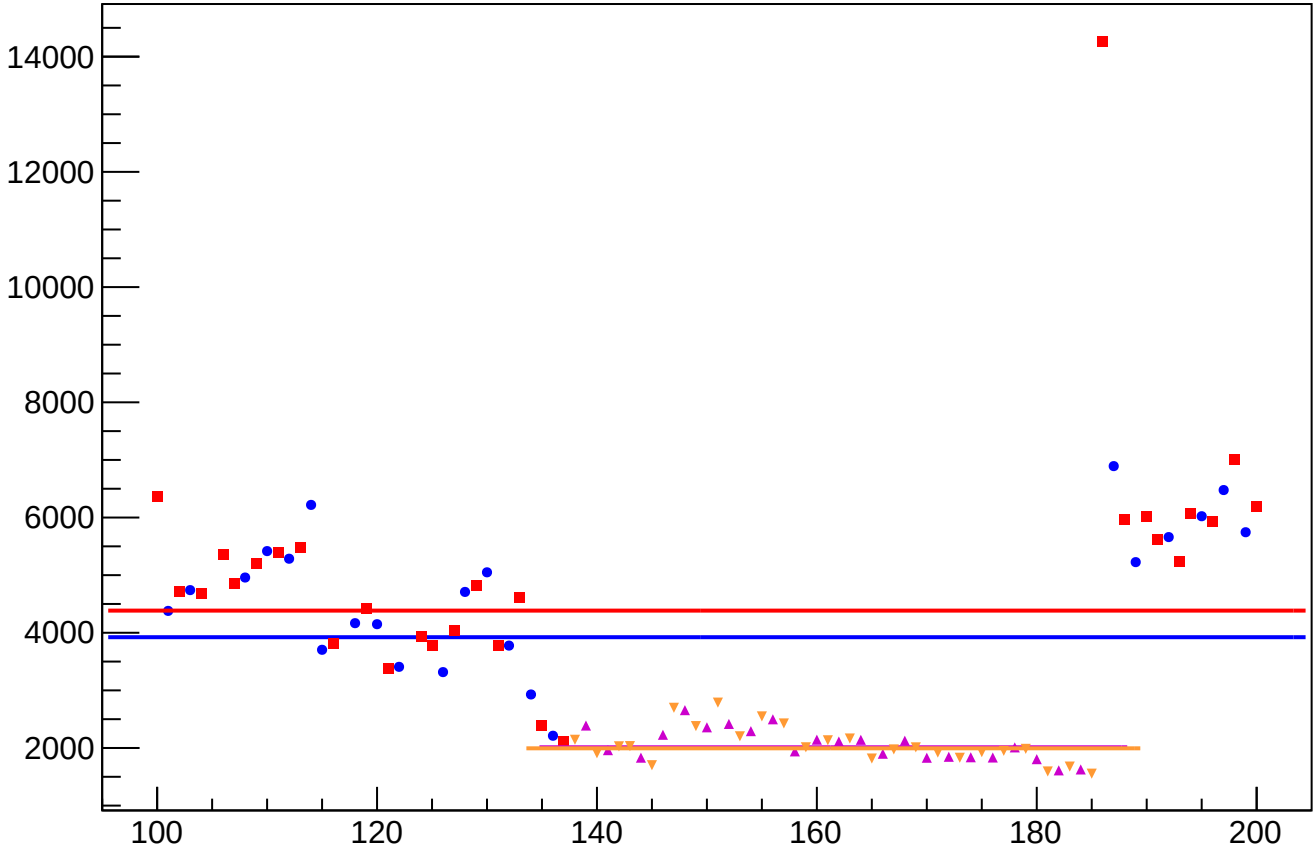
Out: -693.698+/-436.620 χ^2/NDF:69.7/52

All: -586.358+/-313.318 χ^2/NDF: 129.4/97


asym_sam2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 3997.160+/-0.883 χ²/NDF: 2426950.9/21
Left Out: 2025.085+/-0.329 χ²/NDF:700825.4/24
Right Out: 4420.380+/-0.893 χ²/NDF: 2759254.4/27
Left In: 2044.522+/-0.341 χ²/NDF:584922.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287430.5/47
Right: 4206.348+/-0.628 χ²/NDF: 5299831.7/49
In: 2298.123+/-0.318 χ²/NDF:7269840.1/44
Out: 2311.484+/-0.309 χ²/NDF:9796584.4/52
All: 2305.003+/-0.222 χ²/NDF: 17067333.0/9


asym_sam2_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 3641.441+/-1226.971 χ²/NDF: 19.2/21
Left Out: 788.321+/-458.726 χ²/NDF:41.3/24
Right Out: -1792.414+/-1252.246 χ²/NDF: 24.1/27
Left In: -96.730+/-474.825 χ²/NDF:32.8/22
Left: 361.054+/-329.913 χ²/NDF: 76.0/47
Right: 979.905+/-876.399 χ²/NDF: 52.9/49
In: 390.182+/-442.823 χ²/NDF:60.1/44
Out: 482.981+/-430.735 χ²/NDF:69.2/52
All: 437.865+/-308.761 χ²/NDF: 129.3/97

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3923.007+/-0.868 χ^2/NDF: 2474289.3/21

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

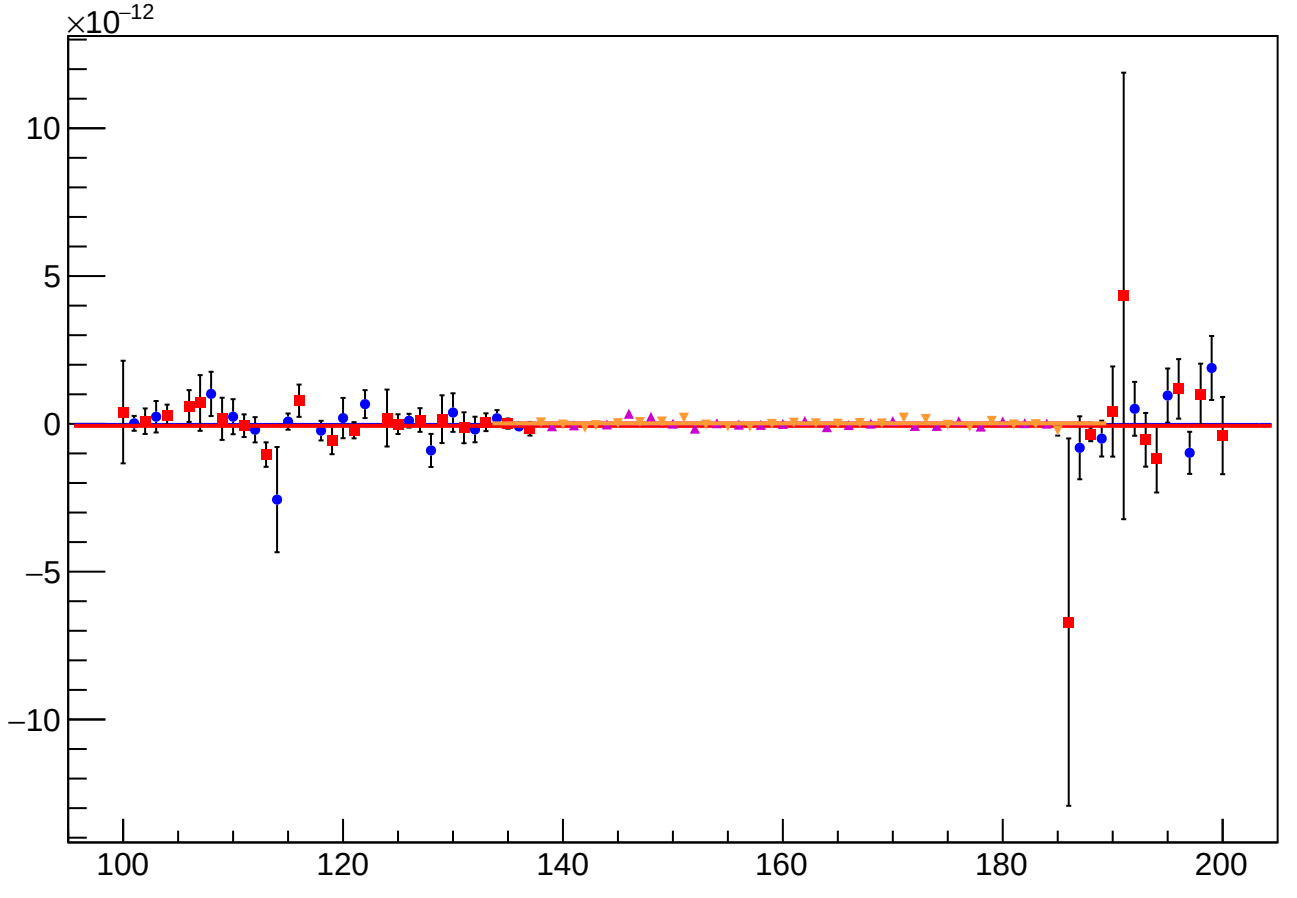
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4149.102+/-0.620 χ^2/NDF: 5348543.4/49

In: 2261.518+/-0.313 χ^2/NDF:7278164.1/44

Out: 2277.062+/-0.305 χ^2/NDF:9907373.5/52

All: 2269.505+/-0.218 χ^2/NDF: 17186803.8/9



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/21

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

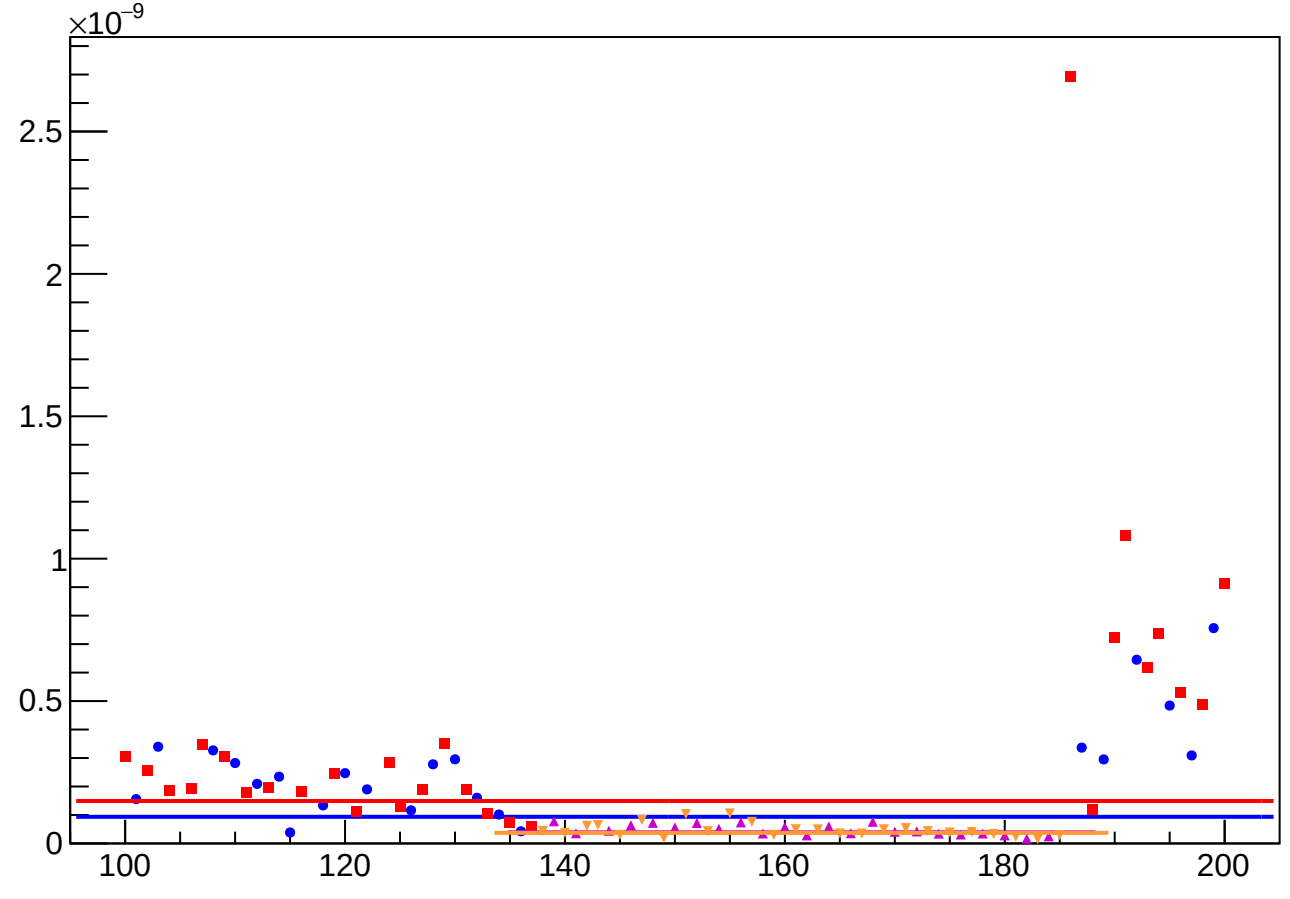
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 40.3/49

In: 0.000+/-0.000 χ^2/NDF:50.8/44

Out: 0.000+/-0.000 χ^2/NDF:43.0/52

All: 0.000+/-0.000 χ^2/NDF: 93.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5116445.4/21

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

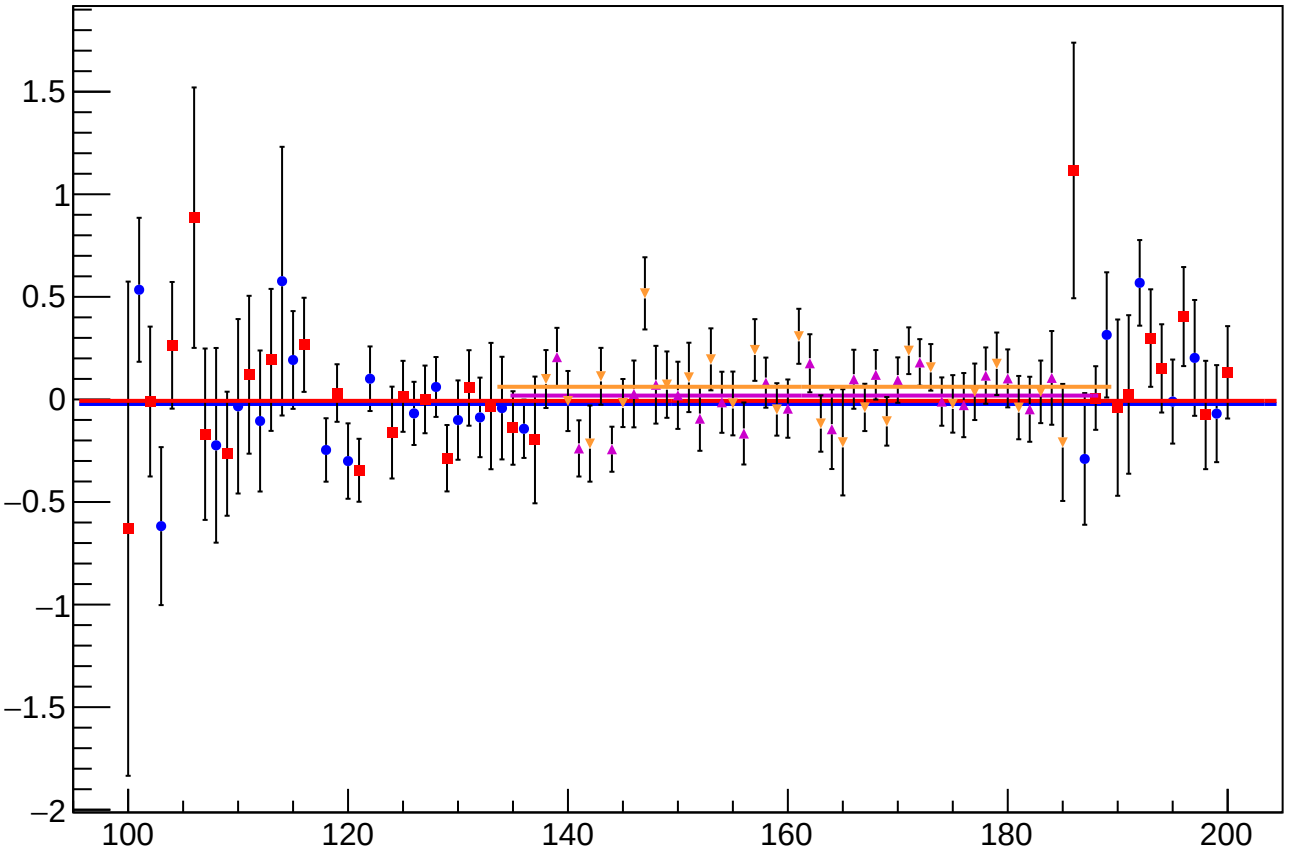
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10144043.1/49

In: 0.000+/-0.000 χ^2/NDF:8588720.8/44

Out: 0.000+/-0.000 χ^2/NDF:10629067.1/52

All: 0.000+/-0.000 χ^2/NDF: 19228118.1/97



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

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

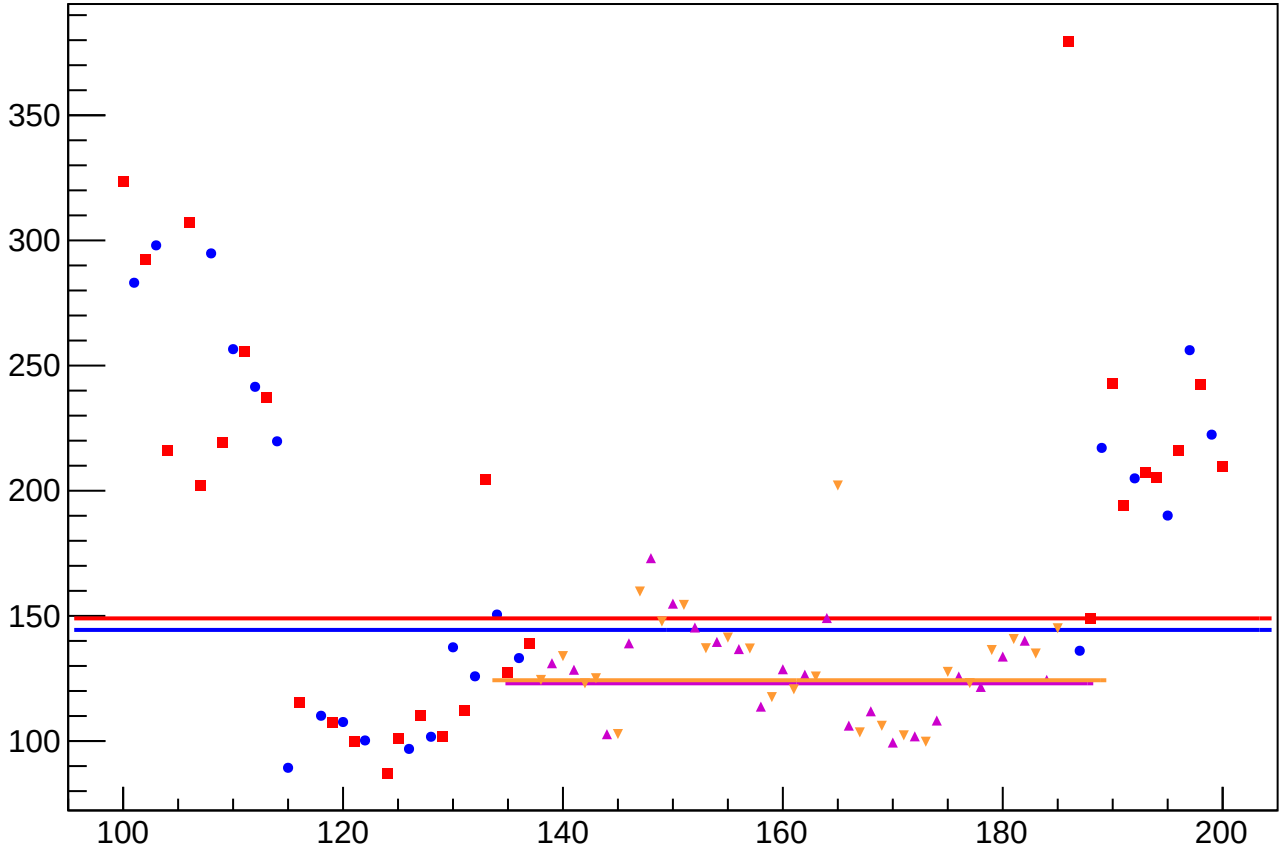
Right: -0.014+/-0.032 χ^2/NDF: 47.9/49

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/97

asym_sam2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

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

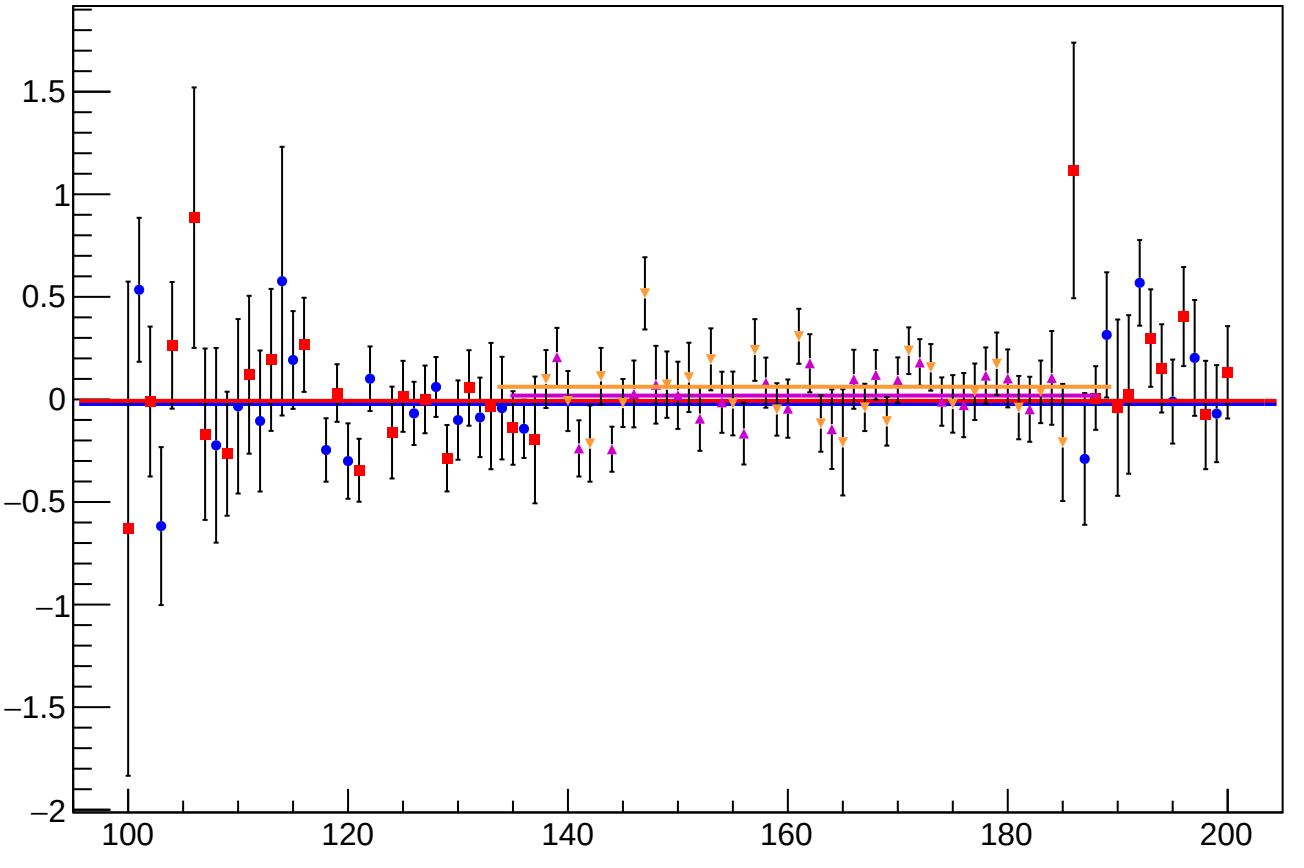
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 146.818+/-0.022 χ^2/NDF: 6303369.4/49

In: 129.212+/-0.017 χ^2/NDF:3934138.7/44

Out: 131.716+/-0.017 χ^2/NDF:4669591.8/52

All: 130.503+/-0.012 χ^2/NDF: 8614293.7/97



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

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

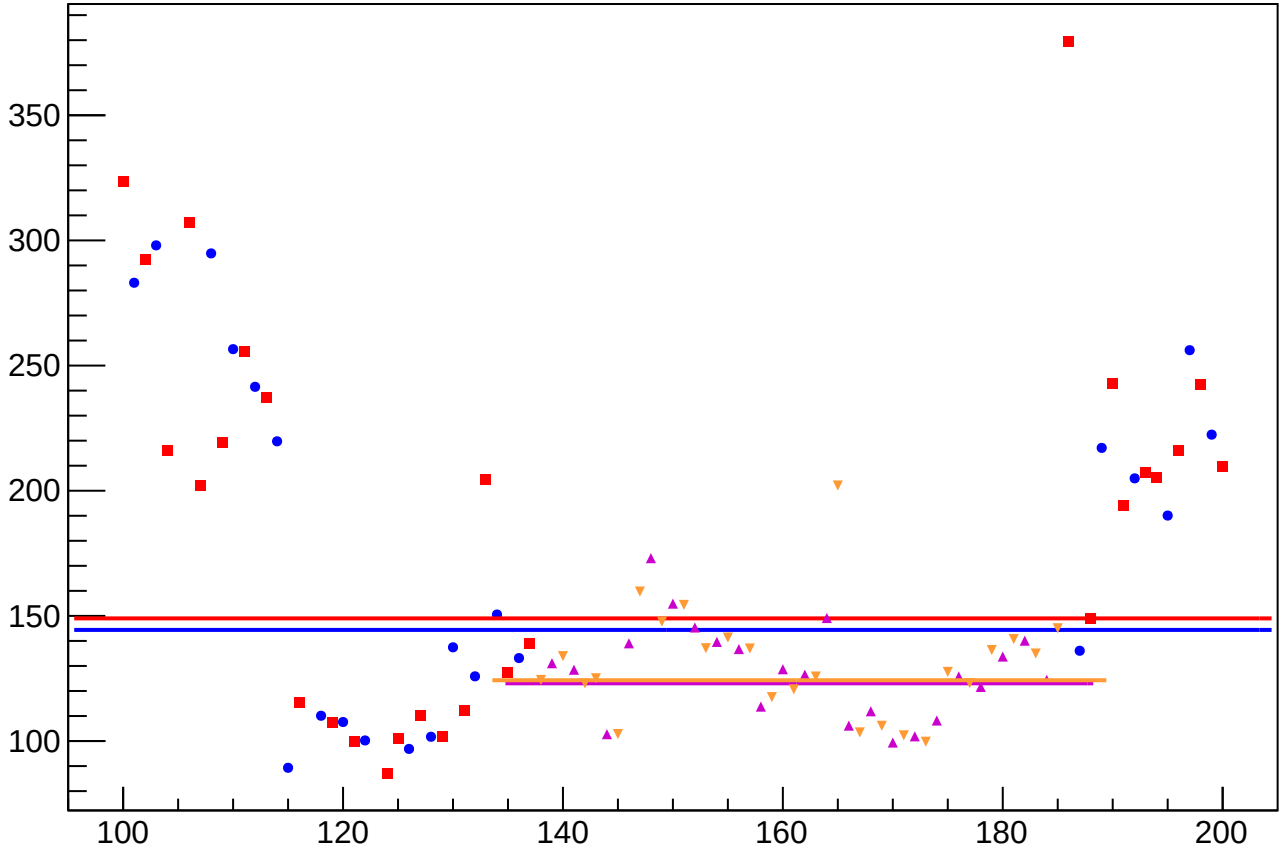
Right: -0.014+/-0.032 χ^2/NDF: 47.9/49

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/97

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

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

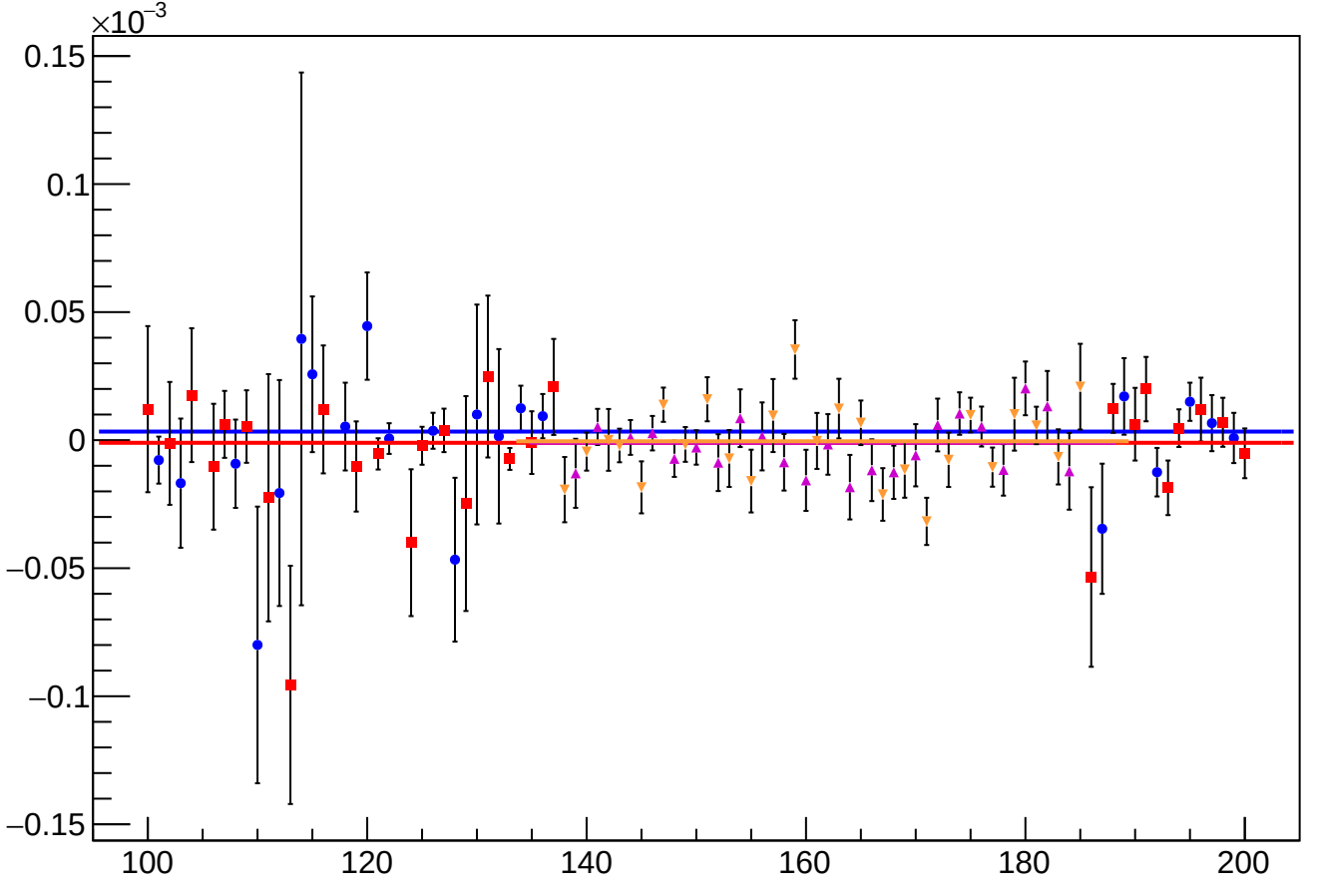
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 146.818+/-0.022 χ^2/NDF: 6303369.4/49

In: 129.212+/-0.017 χ^2/NDF:3934138.7/44

Out: 131.716+/-0.017 χ^2/NDF:4669591.8/52

All: 130.503+/-0.012 χ^2/NDF: 8614293.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

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

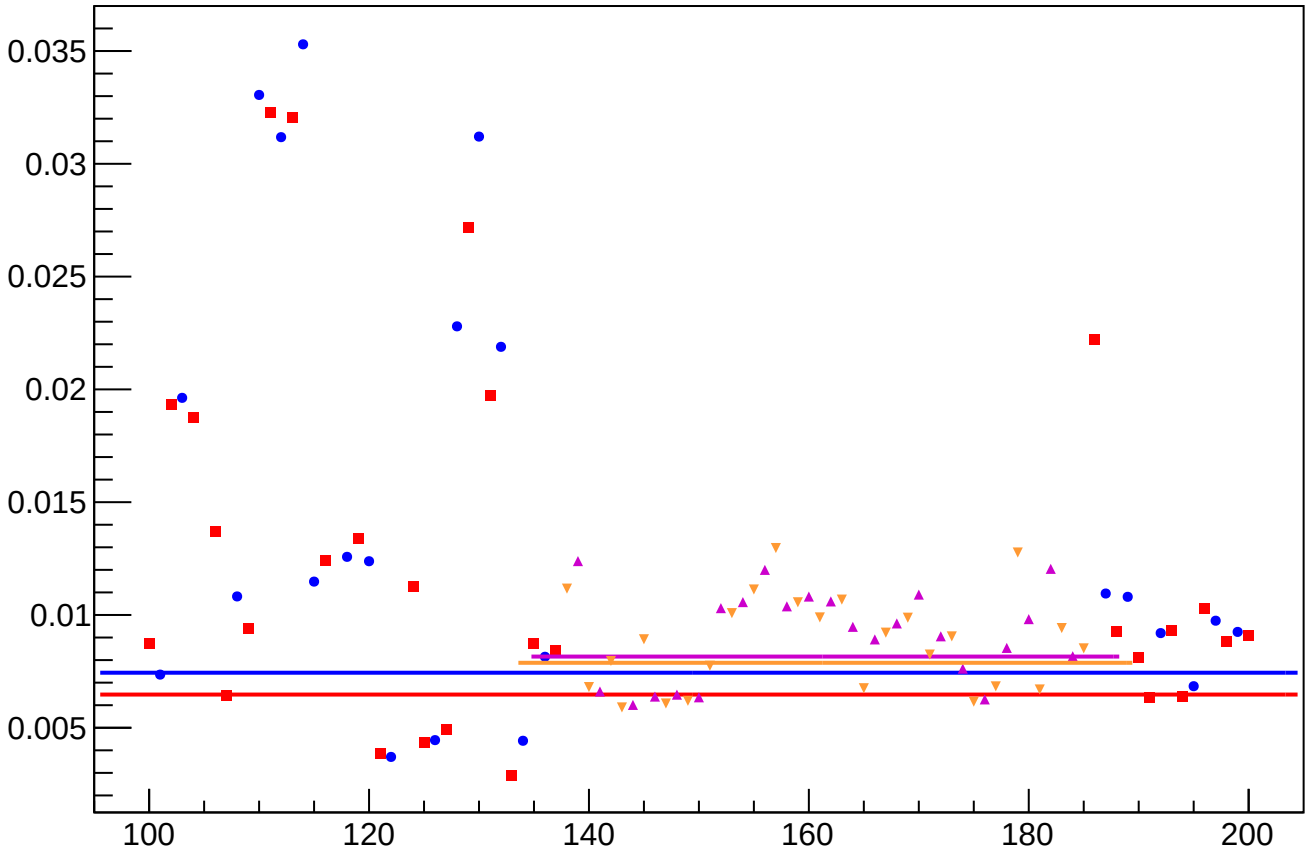
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.3/49

In: 0.000+/-0.000 χ^2/NDF:44.3/44

Out: -0.000+/-0.000 χ^2/NDF:78.5/52

All: -0.000+/-0.000 χ^2/NDF: 123.3/97



Right In: 0.007+/-0.000 χ^2/NDF: 5239706.5/21

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

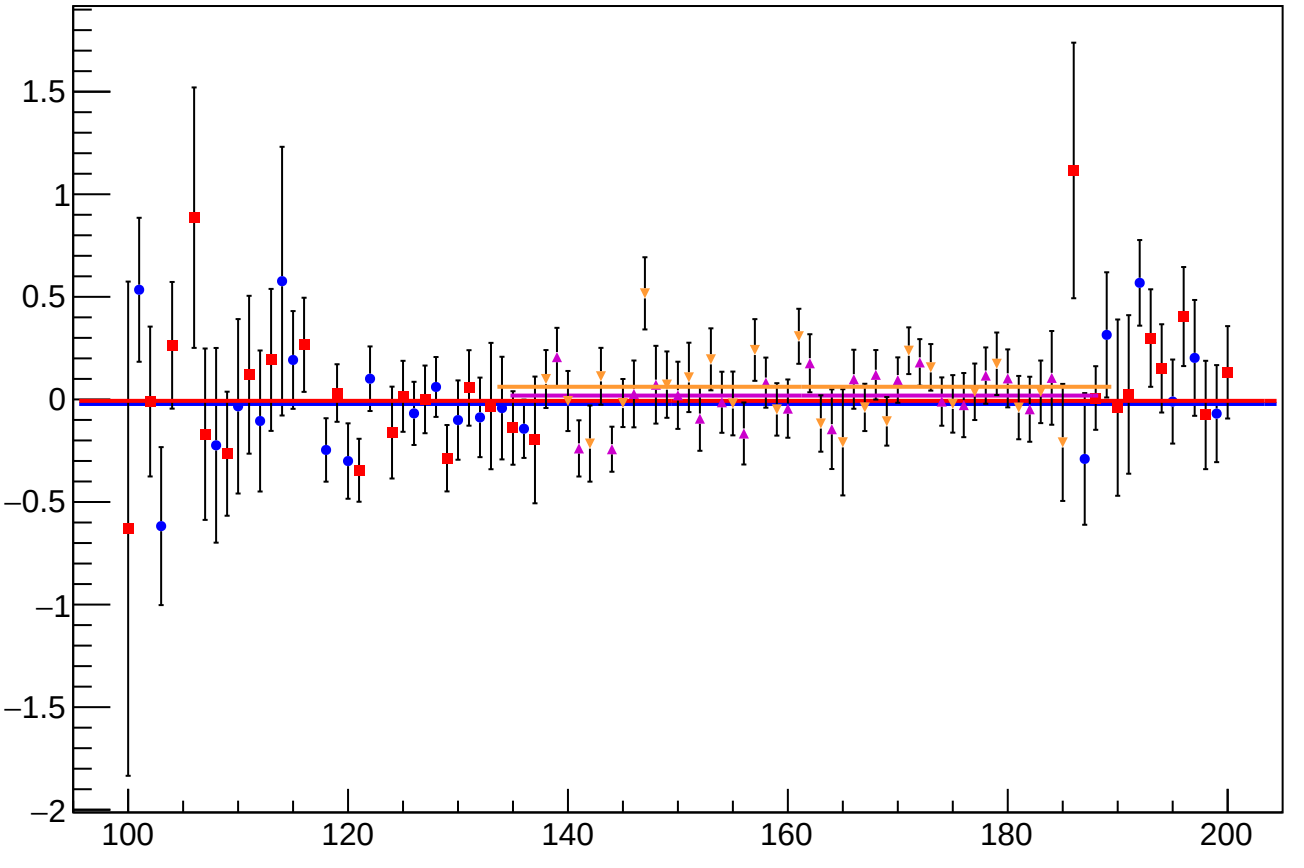
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12499402.7/49

In: 0.008+/-0.000 χ^2/NDF:7356091.1/44

Out: 0.007+/-0.000 χ^2/NDF:9669234.8/52

All: 0.008+/-0.000 χ^2/NDF: 17201561.5/97



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

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

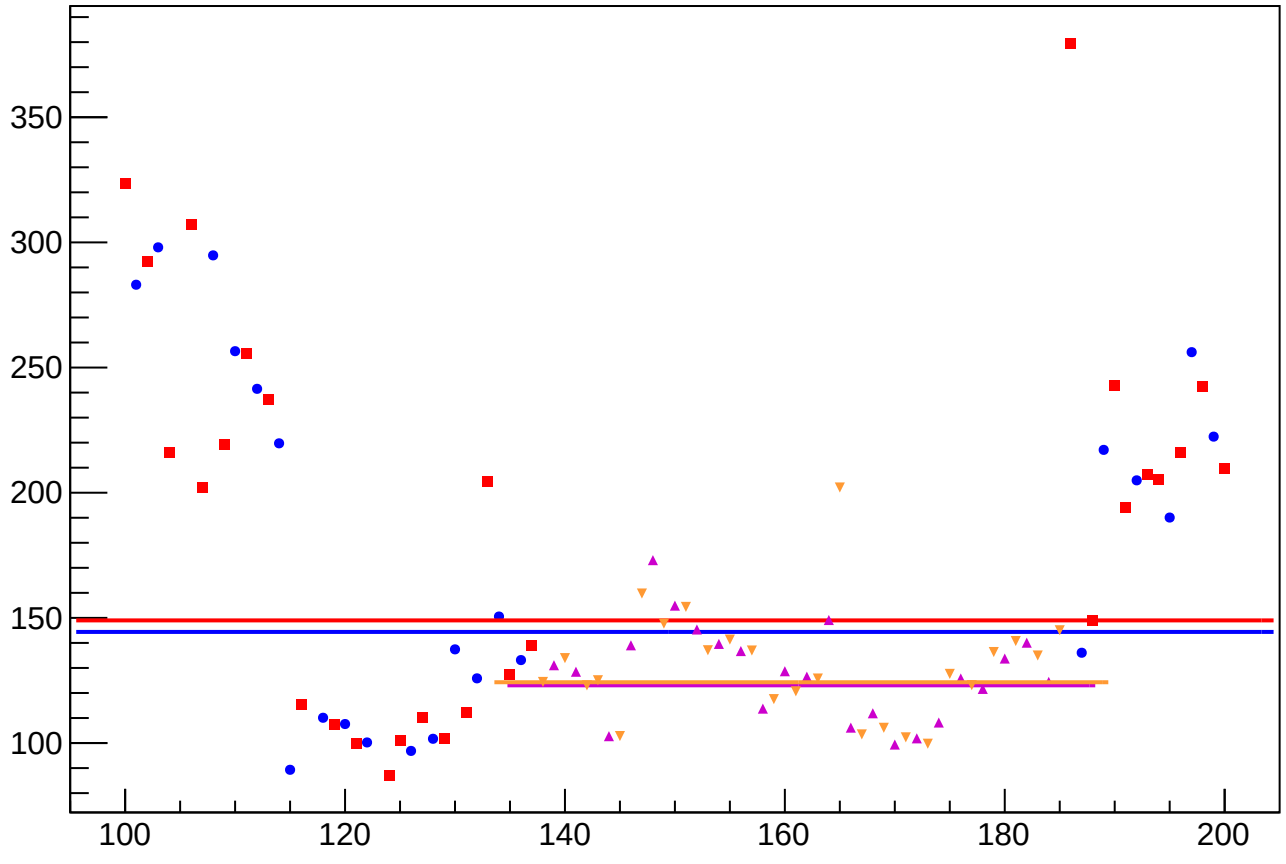
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.014+/-0.032 χ^2/NDF: 47.9/49

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/97



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

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

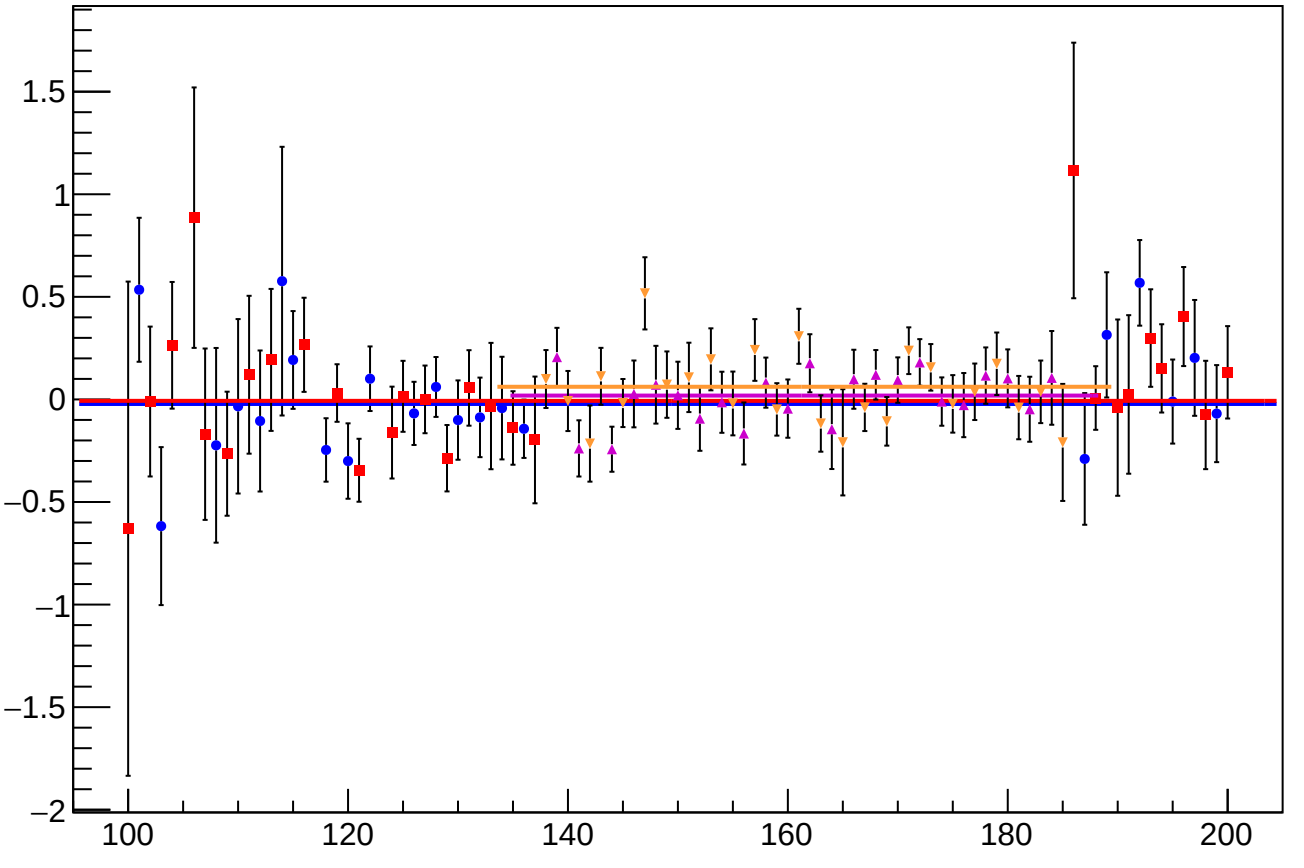
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 146.815+/-0.022 χ^2/NDF: 6303488.6/49

In: 129.211+/-0.017 χ^2/NDF:3934123.6/44

Out: 131.716+/-0.017 χ^2/NDF:4669646.0/52

All: 130.502+/-0.012 χ^2/NDF: 8614333.8/97



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

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

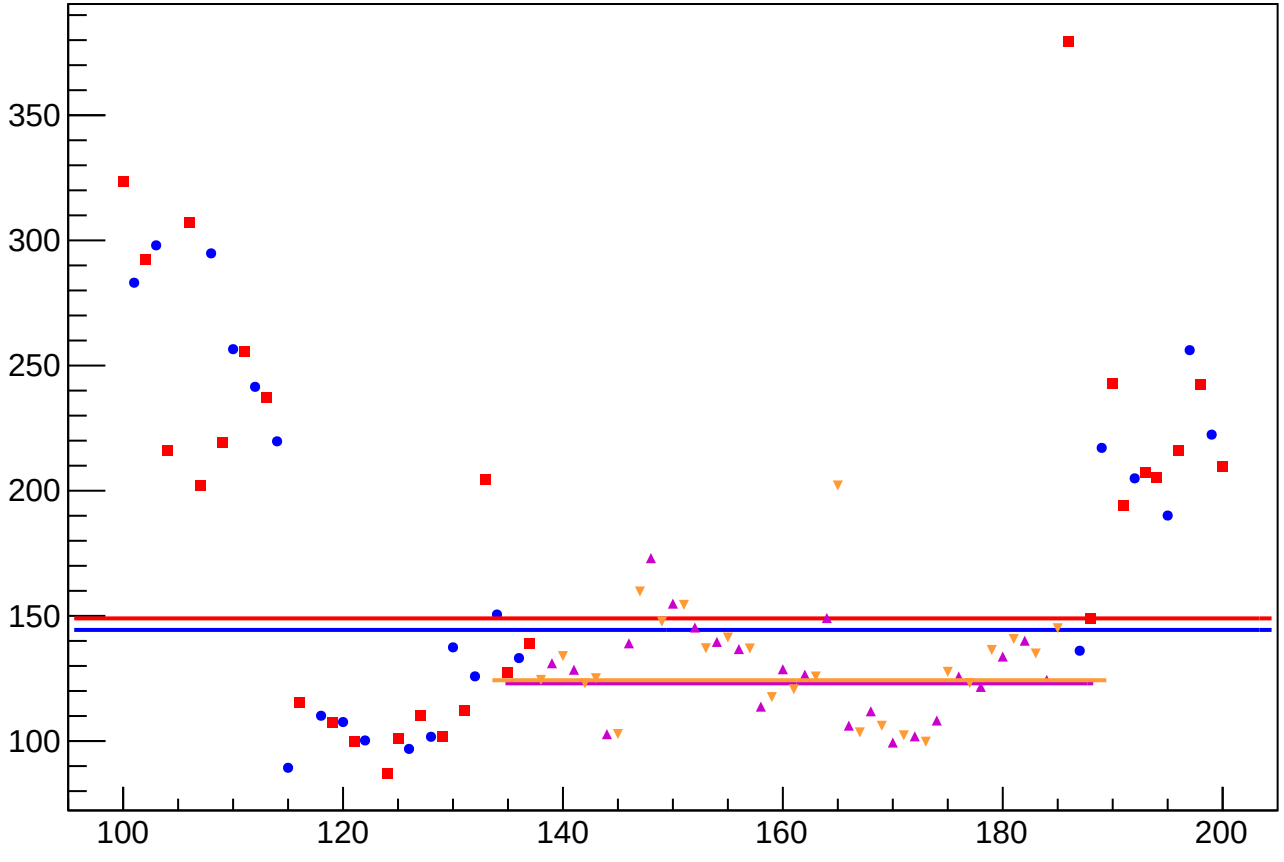
Right: -0.014+/-0.032 χ^2/NDF: 47.9/49

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.041+/-0.024 χ^2/NDF:53.2/52

All: 0.025+/-0.017 χ^2/NDF: 98.9/97

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

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

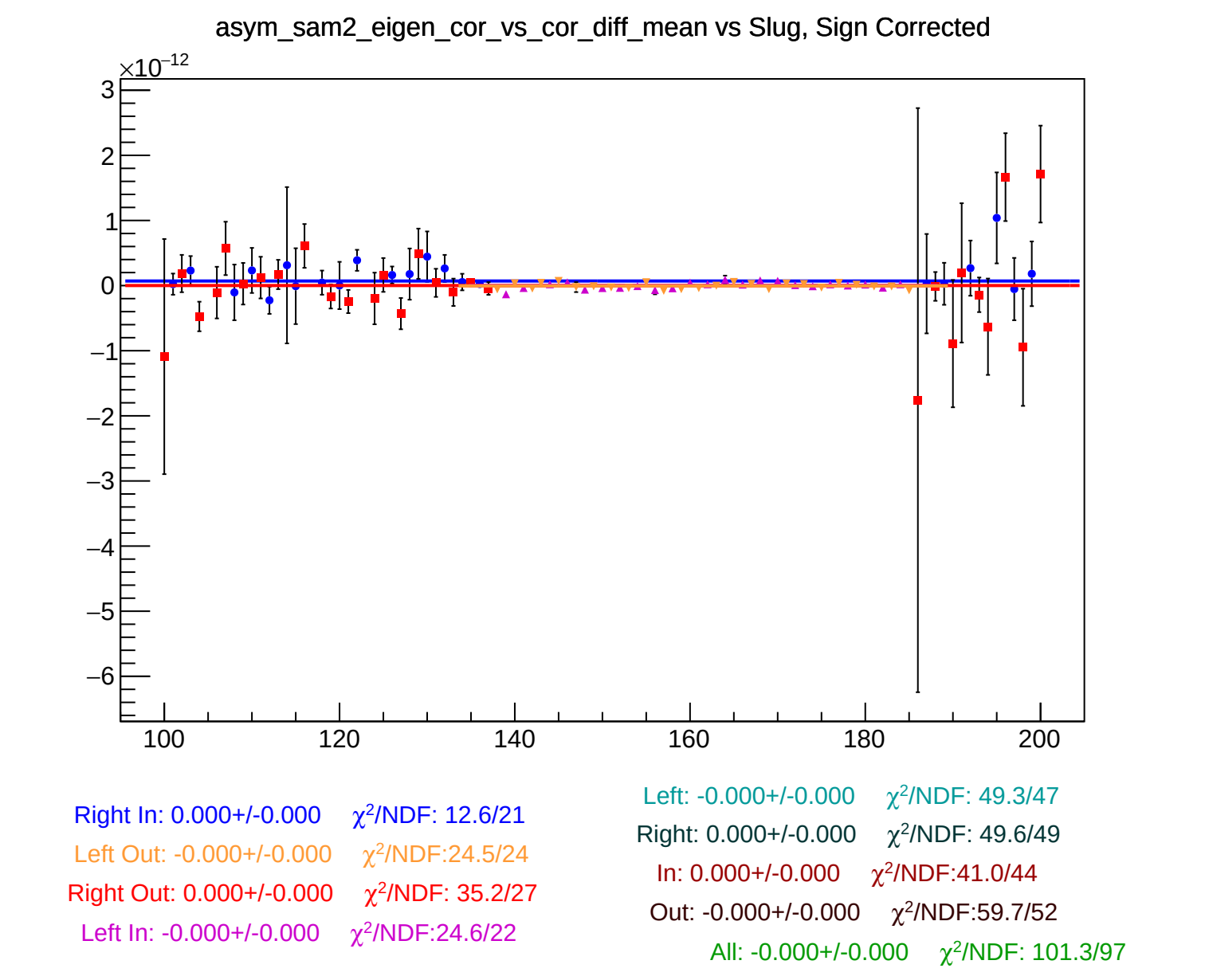
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

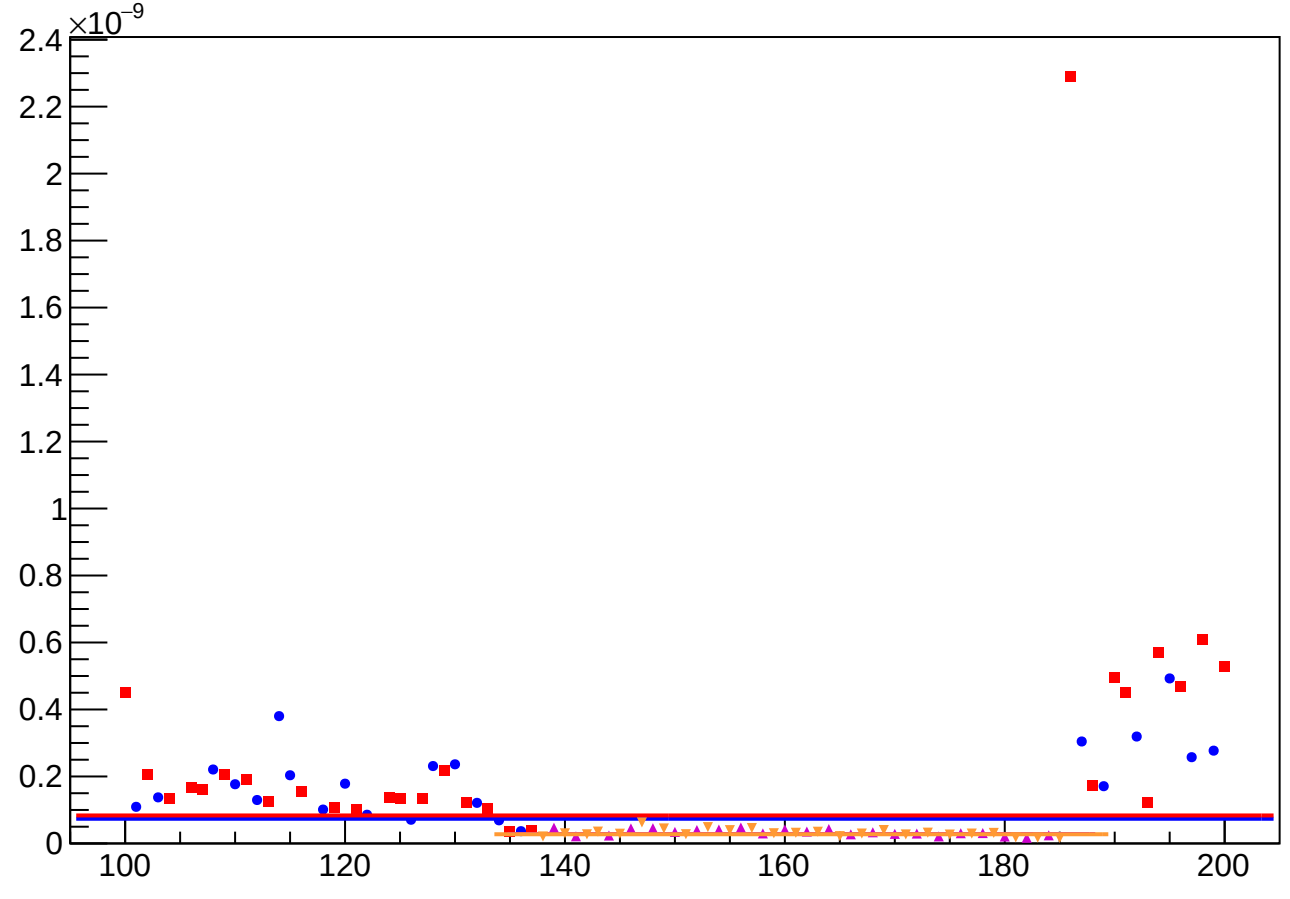
Right: 146.815+/-0.022 χ^2/NDF: 6303488.6/49

In: 129.211+/-0.017 χ^2/NDF:3934123.6/44

Out: 131.716+/-0.017 χ^2/NDF:4669646.0/52

All: 130.502+/-0.012 χ^2/NDF: 8614333.8/97


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 12.6/21
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.2/27
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 49.6/49
In: 0.000+/-0.000 χ²/NDF:41.0/44
Out: -0.000+/-0.000 χ²/NDF:59.7/52
All: -0.000+/-0.000 χ²/NDF: 101.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 5637316.8/21

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

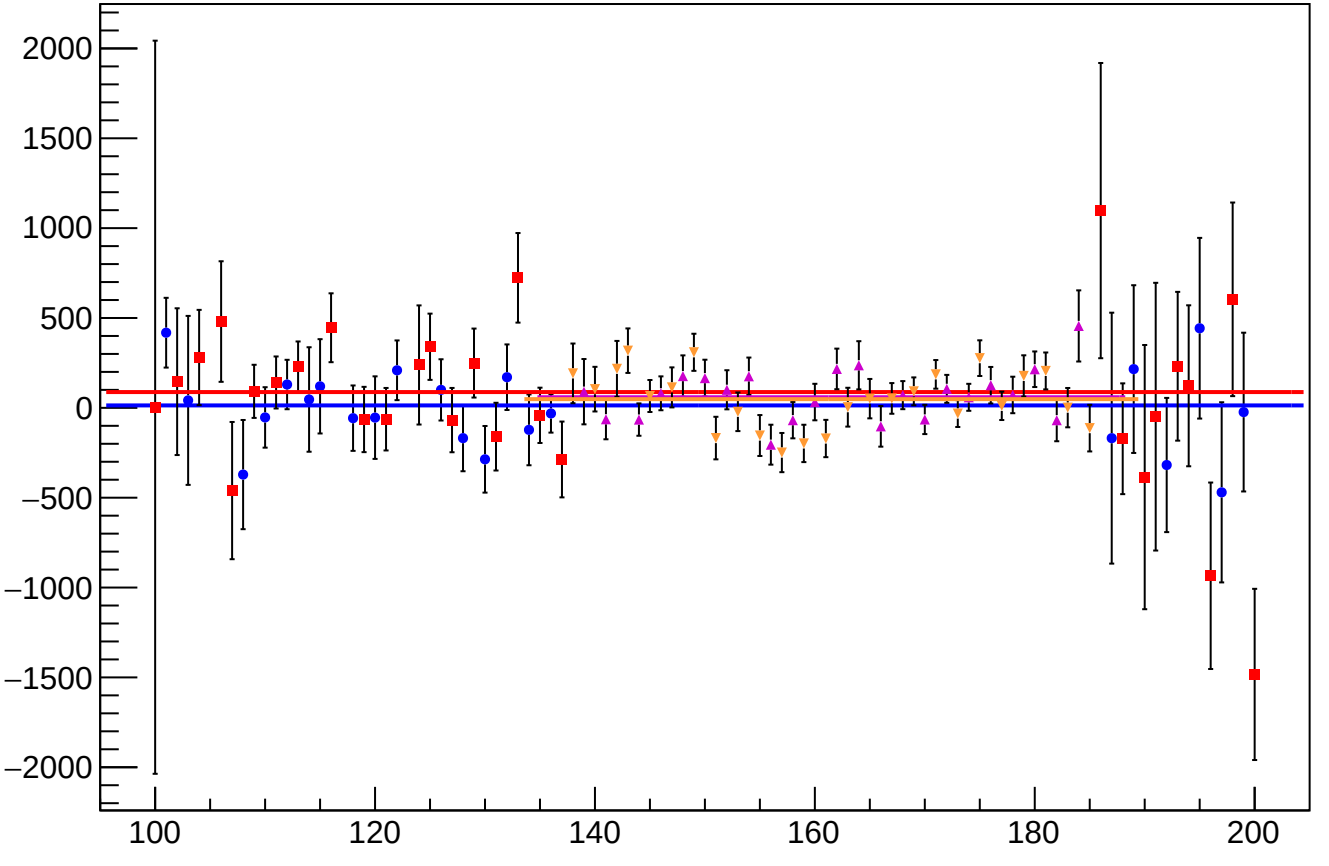
Right: 0.000+/-0.000 χ^2/NDF: 13847450.3/49

In: 0.000+/-0.000 χ^2/NDF:10947115.1/44

Out: 0.000+/-0.000 χ^2/NDF:14692391.4/52

All: 0.000+/-0.000 χ^2/NDF: 25649017.9/97

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.524+/-44.473 χ^2/NDF: 16.6/21

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

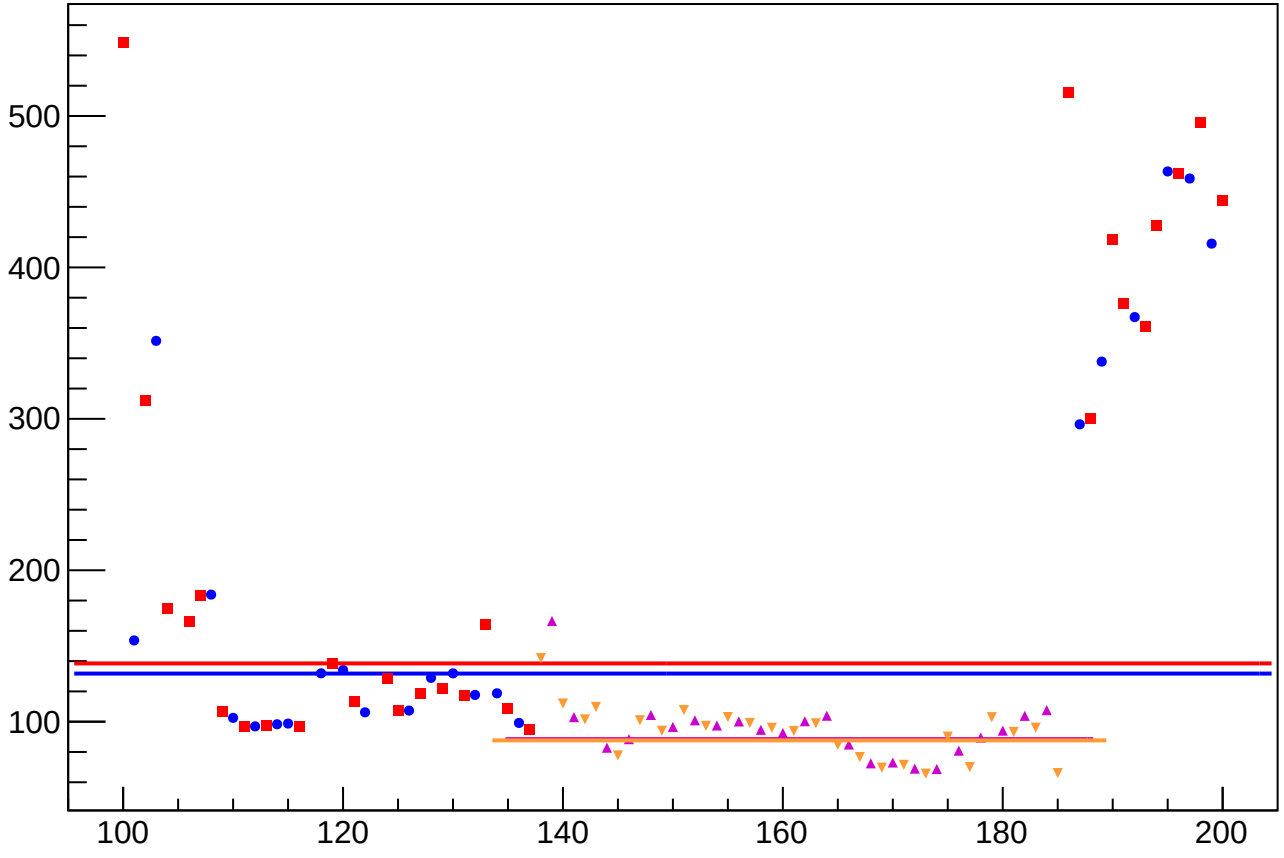
Right: 50.986+/-31.313 χ^2/NDF: 62.2/49

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 55.356+/-18.532 χ^2/NDF:98.4/52

All: 53.059+/-13.302 χ^2/NDF: 146.5/97

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 131.769+/-0.031 χ^2/NDF: 4908772.1/21

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

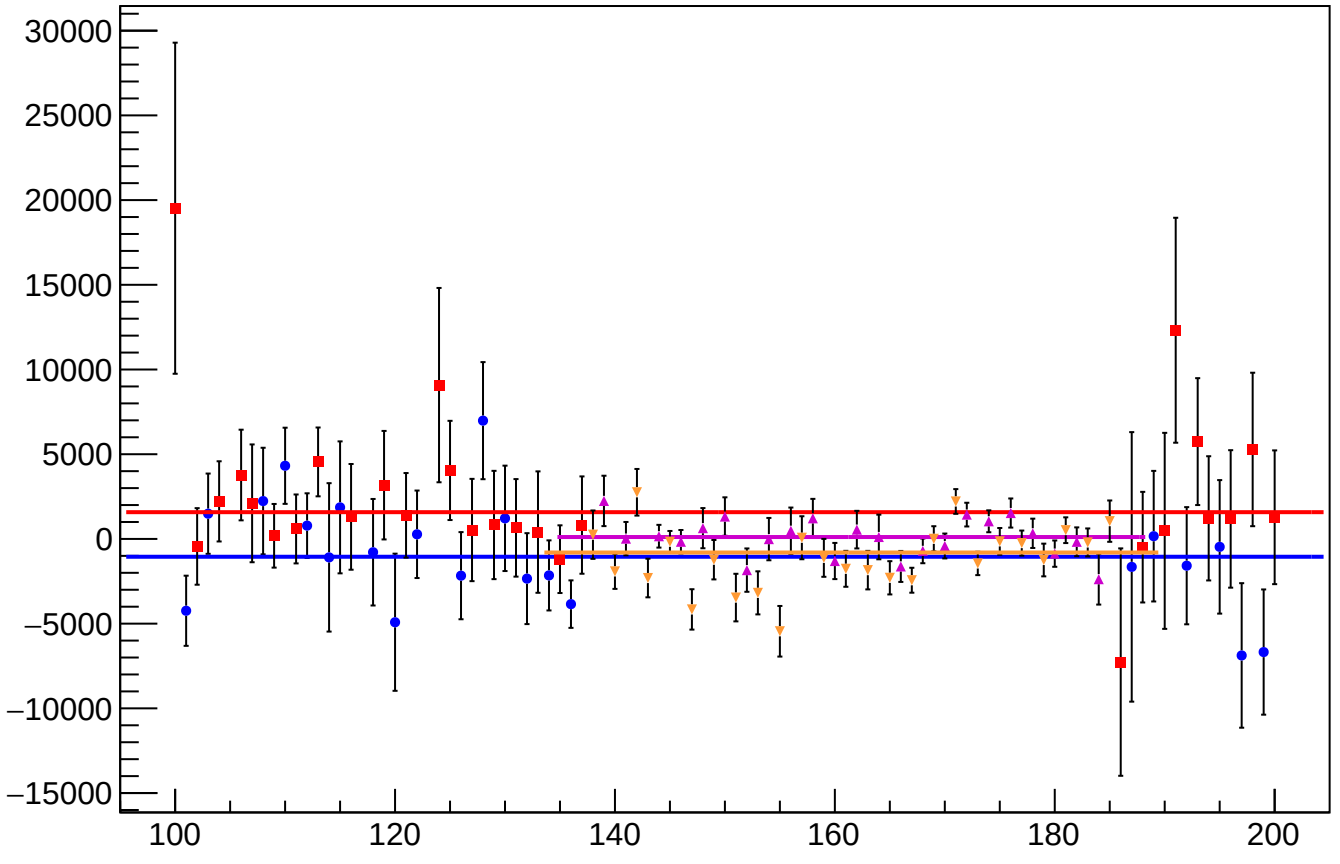
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

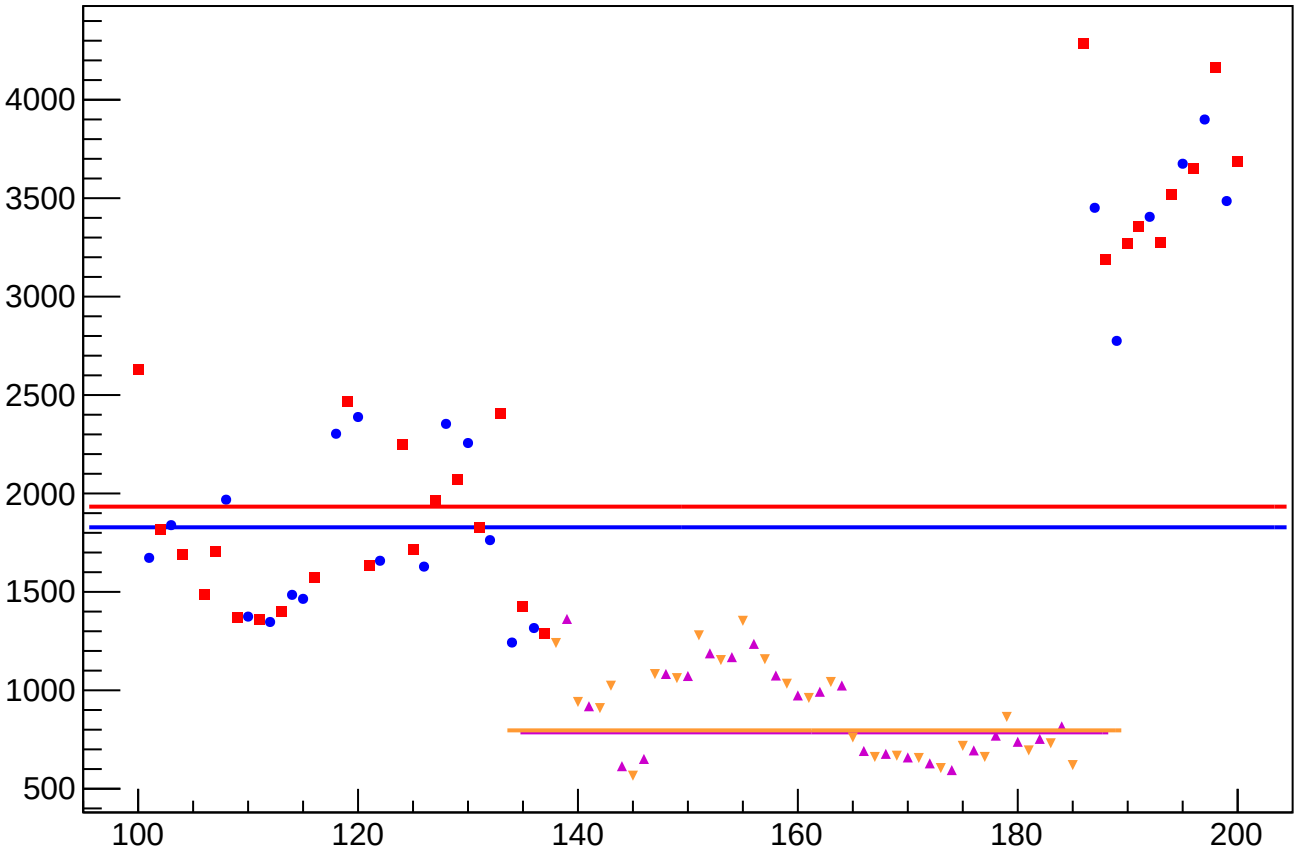
Right: 135.154+/-0.022 χ^2/NDF: 11677082.5/49

In: 96.470+/-0.014 χ^2/NDF:7529541.0/44

Out: 96.633+/-0.013 χ^2/NDF:10146409.5/52

All: 96.554+/-0.009 χ^2/NDF: 17676024.8/97


asym_sam3_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1051.991+/-577.869 χ²/NDF: 27.9/21
Left Out: -801.506+/-187.755 χ²/NDF:71.9/24
Right Out: 1579.327+/-563.584 χ²/NDF: 19.6/27
Left In: 112.483+/-190.269 χ²/NDF:27.1/22
Left: -350.590+/-133.643 χ²/NDF: 110.6/47
Right: 296.594+/-403.470 χ²/NDF: 58.2/49
In: -1.412+/-180.725 χ²/NDF:58.7/44
Out: -563.665+/-178.130 χ²/NDF:107.6/52
All: -286.604+/-126.865 χ²/NDF: 171.2/97



Right In: 1828.144+/-0.409 χ^2/NDF: 2803768.2/21

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

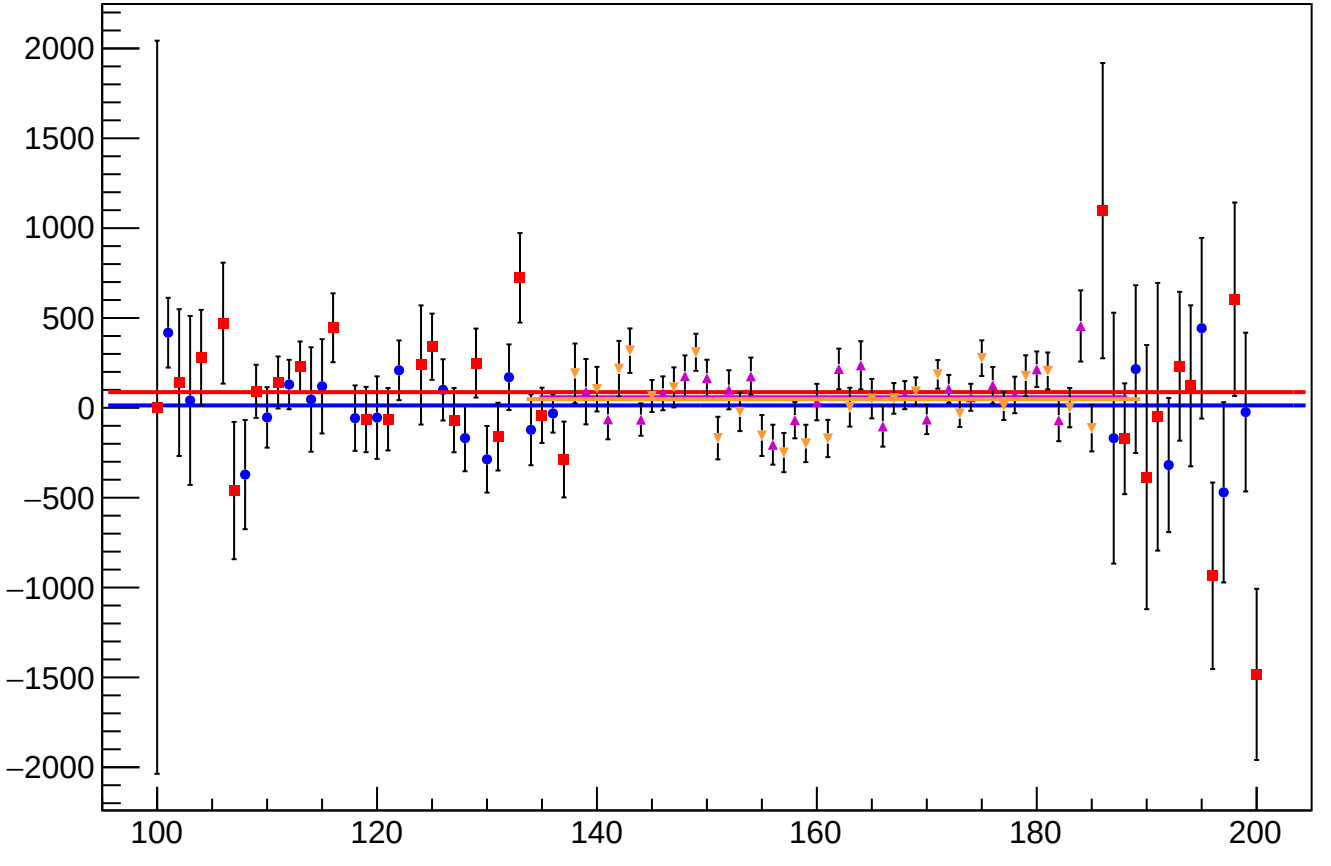
Right: 1881.912+/-0.285 χ^2/NDF: 6426901.7/49

In: 888.234+/-0.128 χ^2/NDF:10825046.1/44

Out: 910.061+/-0.126 χ^2/NDF:13328164.0/52

All: 899.305+/-0.090 χ^2/NDF: 24168008.1/97

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

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

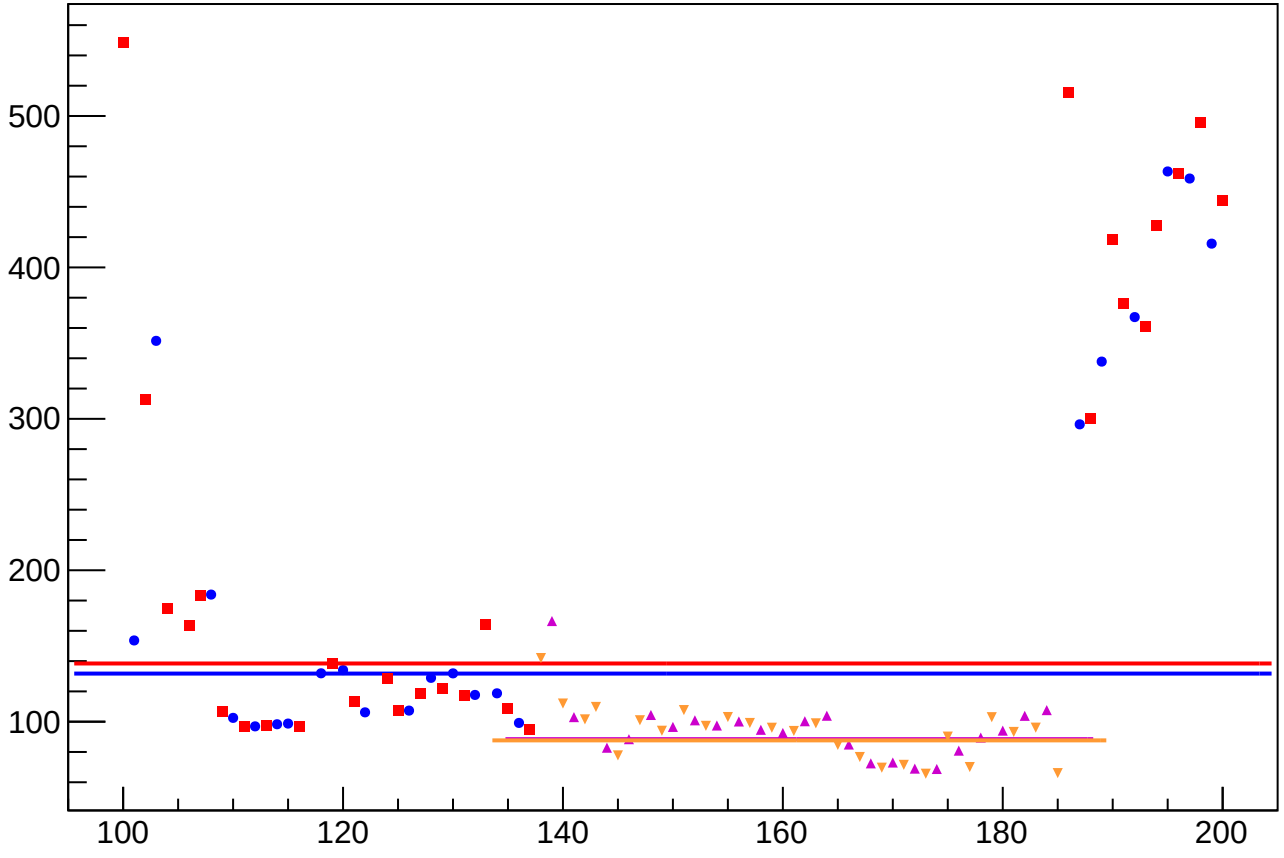
Right: 50.843+/-31.314 χ^2/NDF: 62.1/49

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 55.313+/-18.532 χ^2/NDF:98.3/52

All: 53.037+/-13.302 χ^2/NDF: 146.4/97

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

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

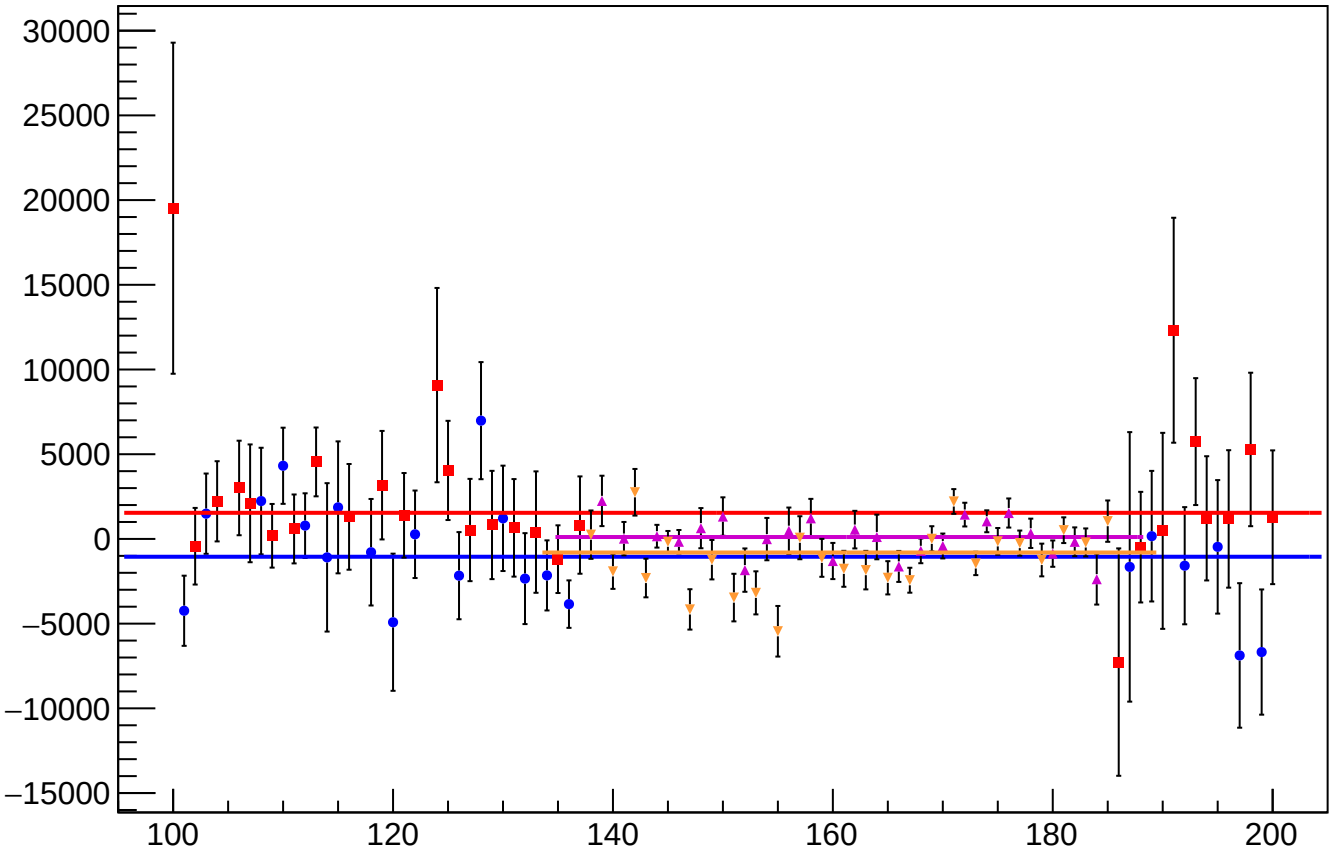
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 135.131+/-0.022 χ^2/NDF: 11674542.1/49

In: 96.470+/-0.014 χ^2/NDF:7529542.7/44

Out: 96.624+/-0.013 χ^2/NDF:10140046.7/52

All: 96.549+/-0.009 χ^2/NDF: 17669655.7/97



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

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

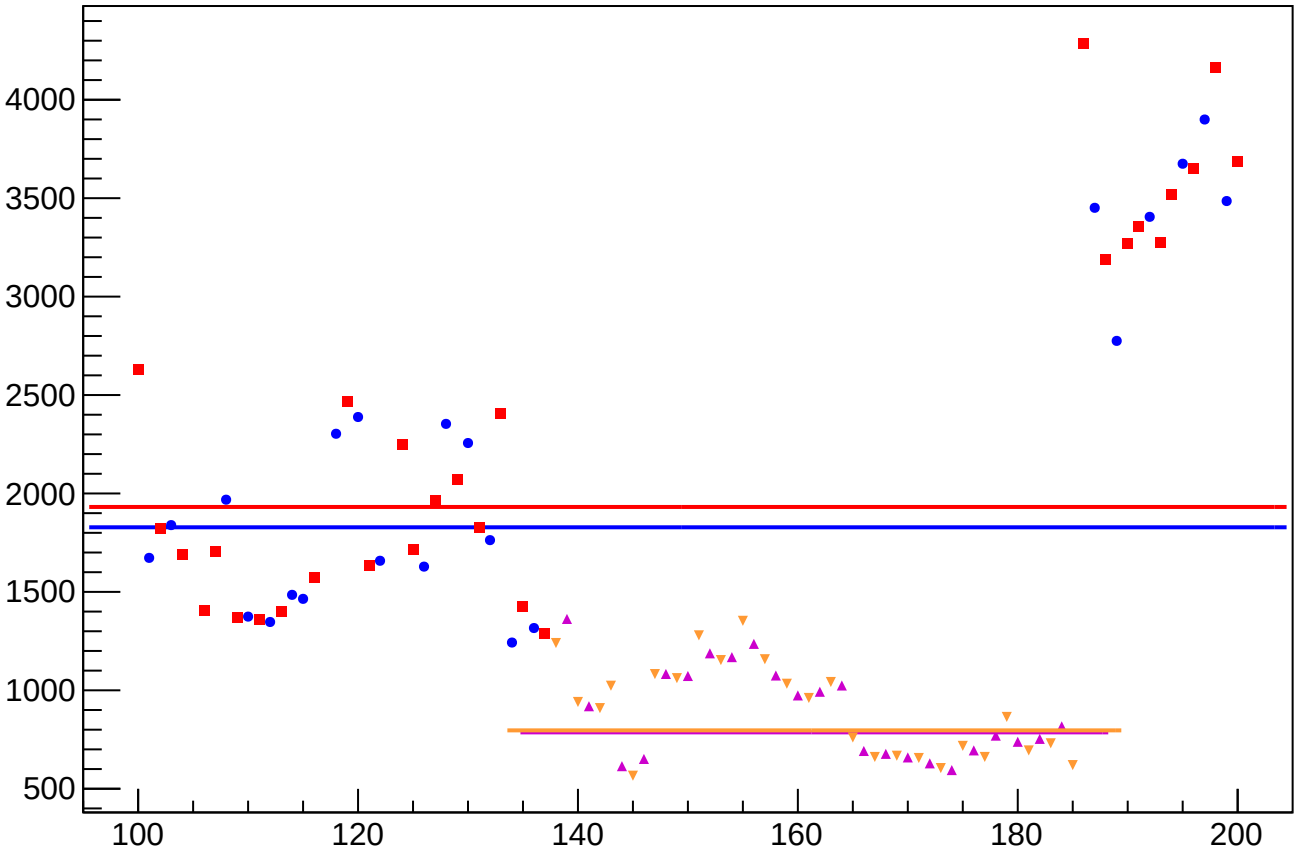
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 274.693+/-403.854 χ^2/NDF: 57.5/49

In: -1.409+/-180.725 χ^2/NDF:58.7/44

Out: -568.241+/-178.163 χ^2/NDF:106.6/52

All: -288.871+/-126.876 χ^2/NDF: 170.3/97



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

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

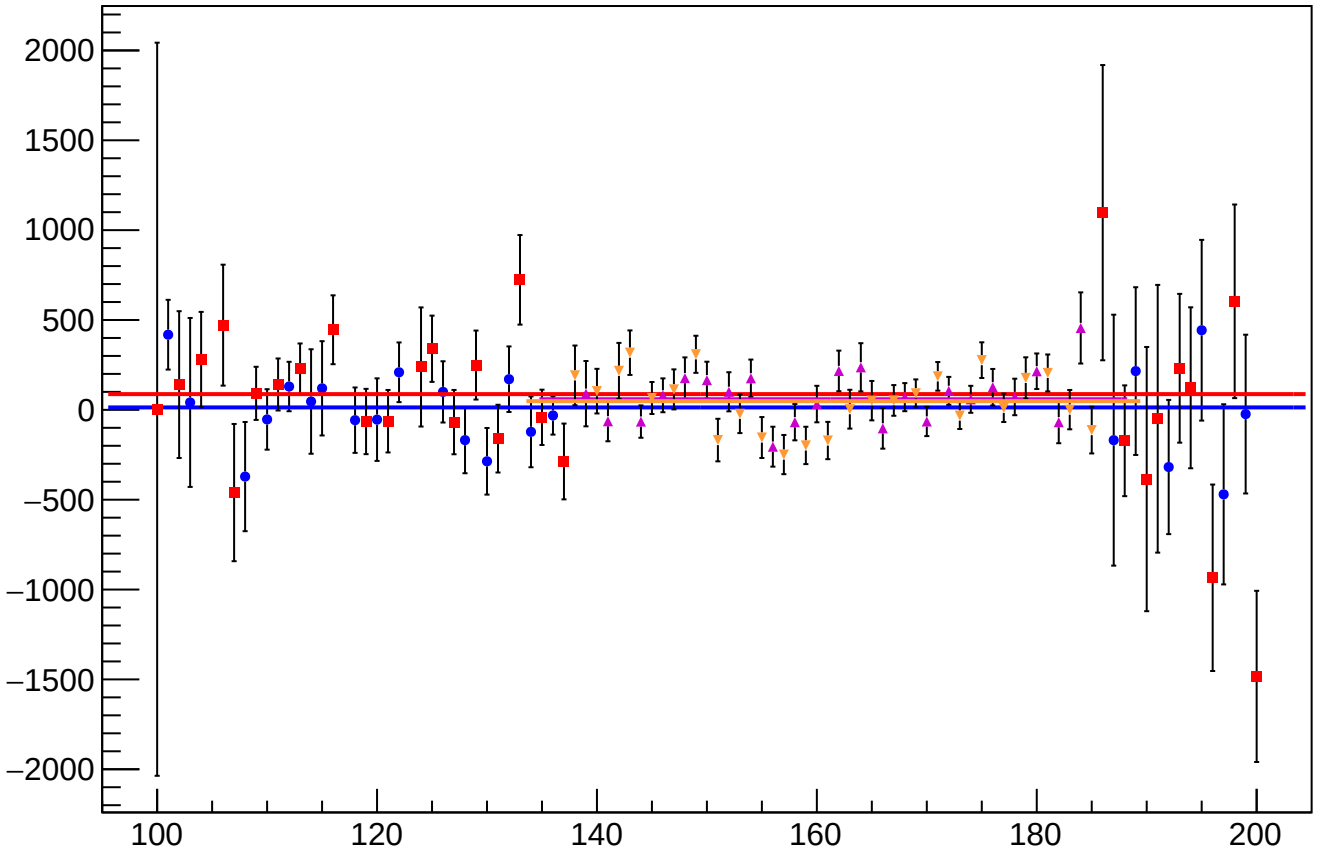
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1880.999+/-0.286 χ^2/NDF: 6441412.1/49

In: 888.234+/-0.128 χ^2/NDF:10825101.9/44

Out: 909.523+/-0.126 χ^2/NDF:13298761.1/52

All: 899.030+/-0.090 χ^2/NDF: 24137937.7/97



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

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

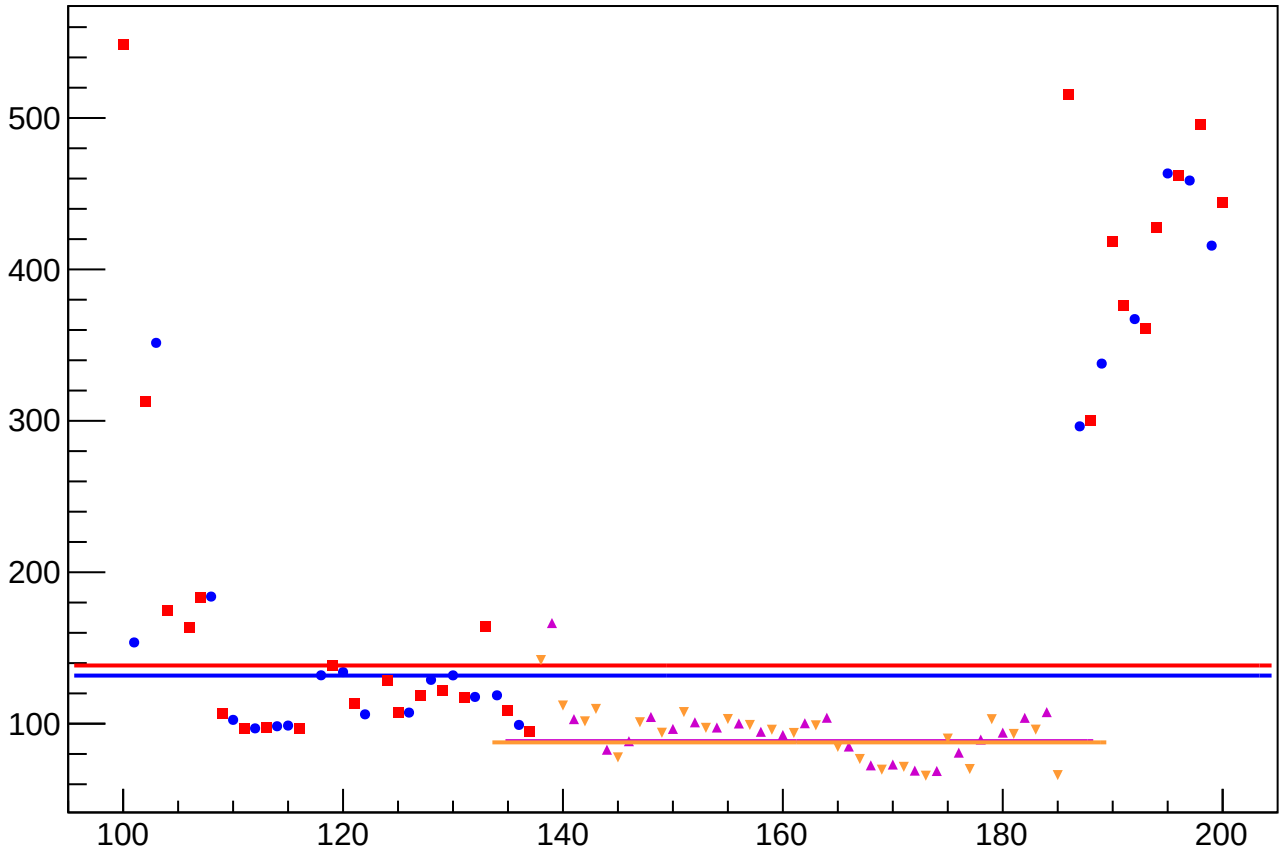
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 50.843+/-31.314 χ^2/NDF: 62.1/49

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 55.313+/-18.532 χ^2/NDF:98.3/52

All: 53.037+/-13.302 χ^2/NDF: 146.4/97



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

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

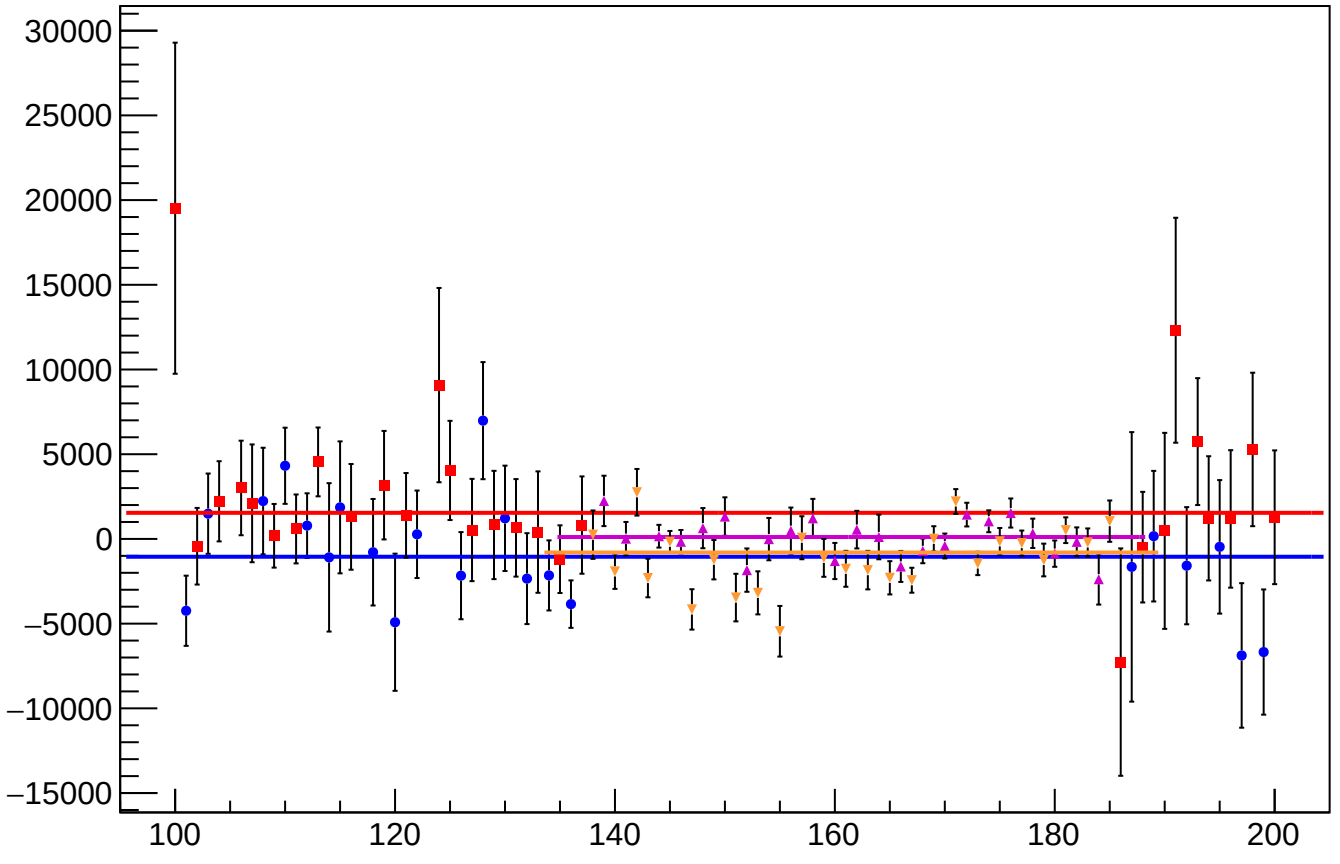
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 135.131+/-0.022 χ^2/NDF: 11674542.1/49

In: 96.470+/-0.014 χ^2/NDF:7529542.7/44

Out: 96.624+/-0.013 χ^2/NDF:10140046.7/52

All: 96.549+/-0.009 χ^2/NDF: 17669655.7/97



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

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

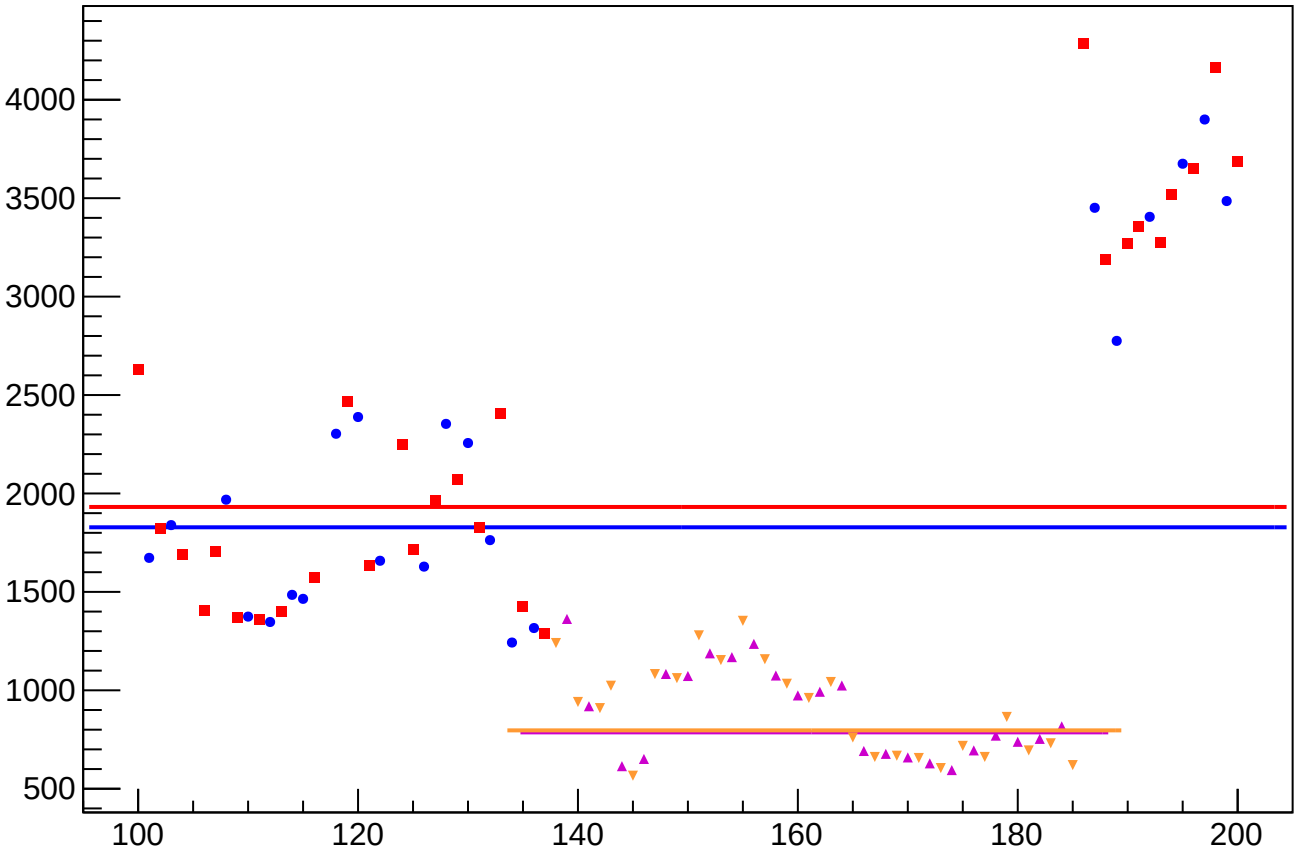
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 274.693+/-403.854 χ^2/NDF: 57.5/49

In: -1.409+/-180.725 χ^2/NDF:58.7/44

Out: -568.241+/-178.163 χ^2/NDF:106.6/52

All: -288.871+/-126.876 χ^2/NDF: 170.3/97



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

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

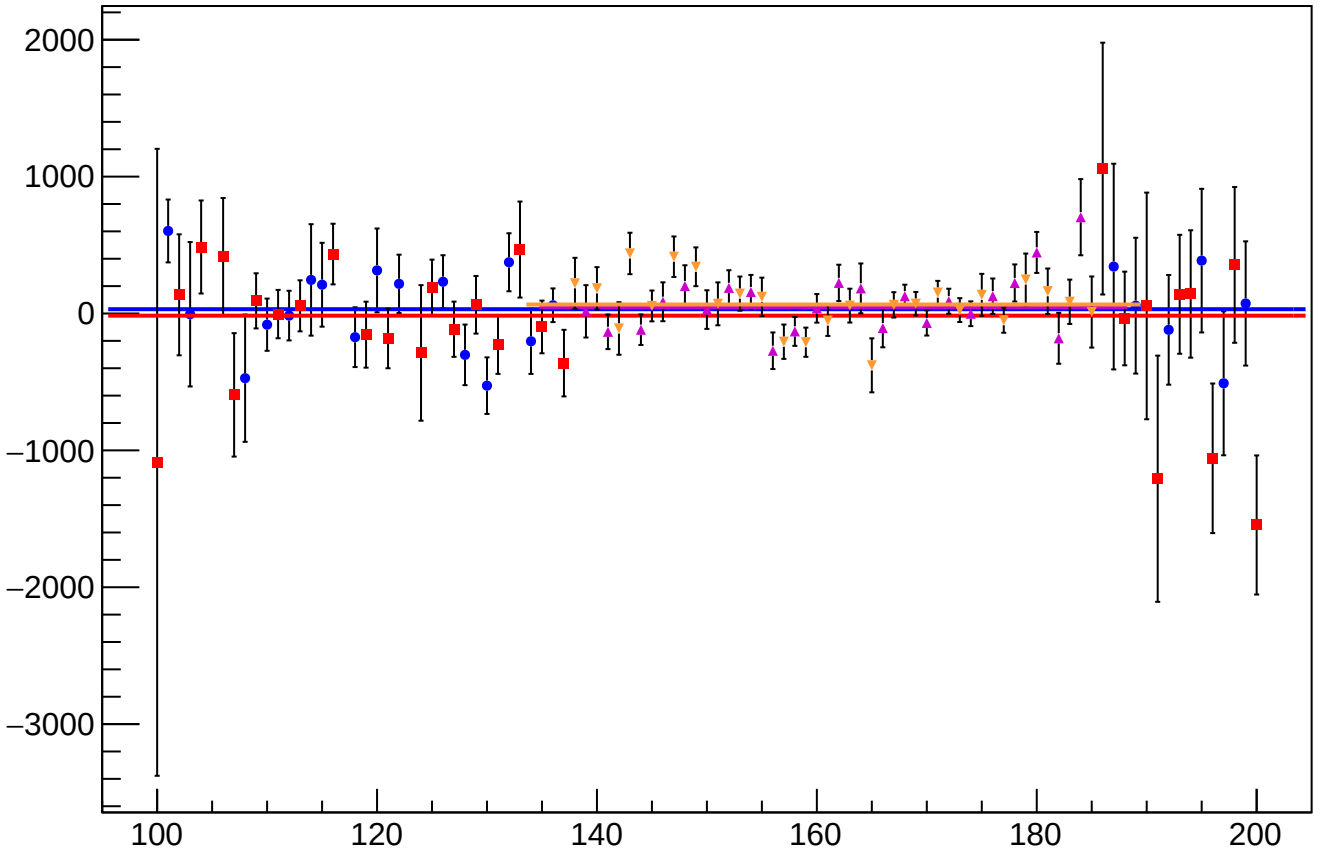
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1880.999+/-0.286 χ^2/NDF: 6441412.1/49

In: 888.234+/-0.128 χ^2/NDF:10825101.9/44

Out: 909.523+/-0.126 χ^2/NDF:13298761.1/52

All: 899.030+/-0.090 χ^2/NDF: 24137937.7/97



Right In: 31.236+/-53.011 χ^2/NDF: 27.0/21

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

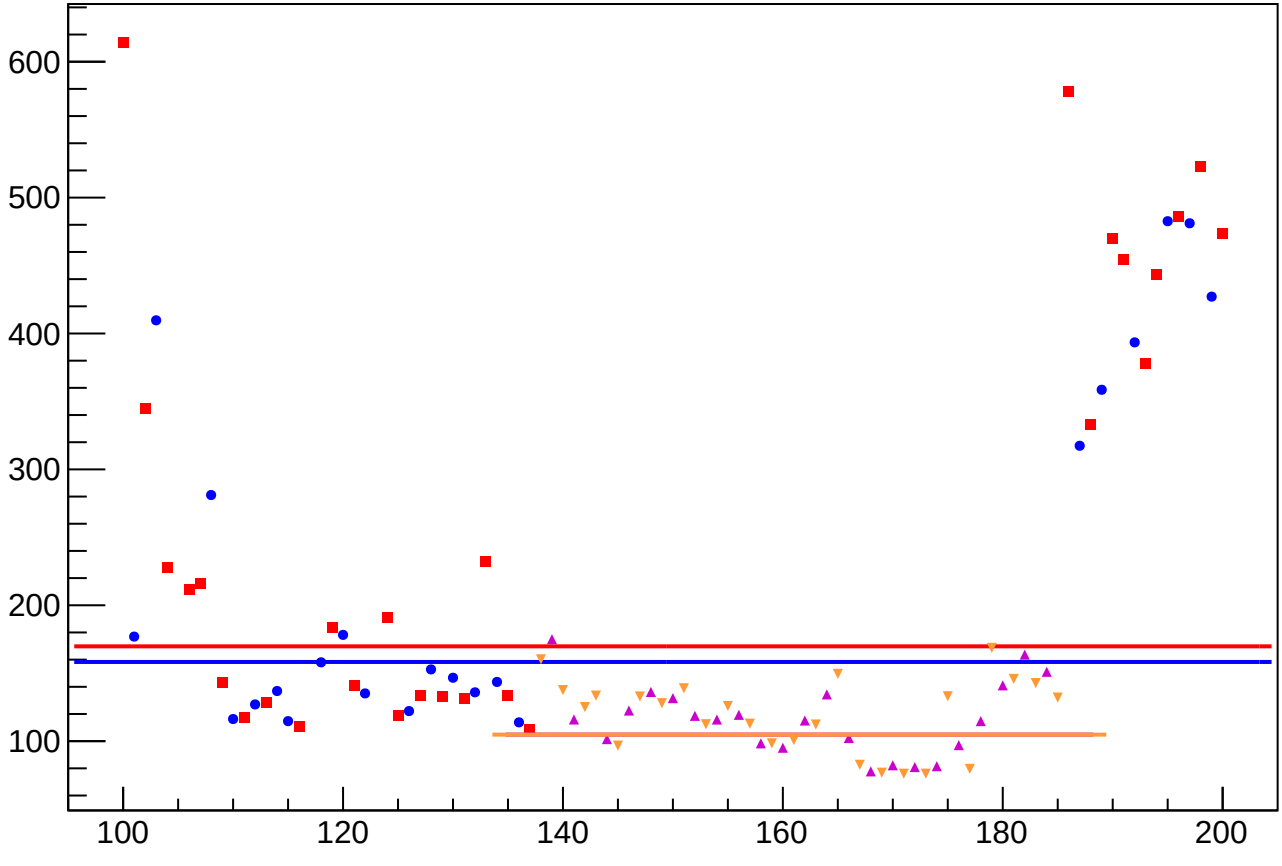
Right: 7.866+/-37.626 χ^2/NDF: 61.4/49

In: 44.032+/-23.123 χ^2/NDF:65.7/44

Out: 50.988+/-22.687 χ^2/NDF:75.9/52

All: 47.576+/-16.194 χ^2/NDF: 141.7/97

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 158.288+/-0.037 χ^2/NDF: 4532871.2/21

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

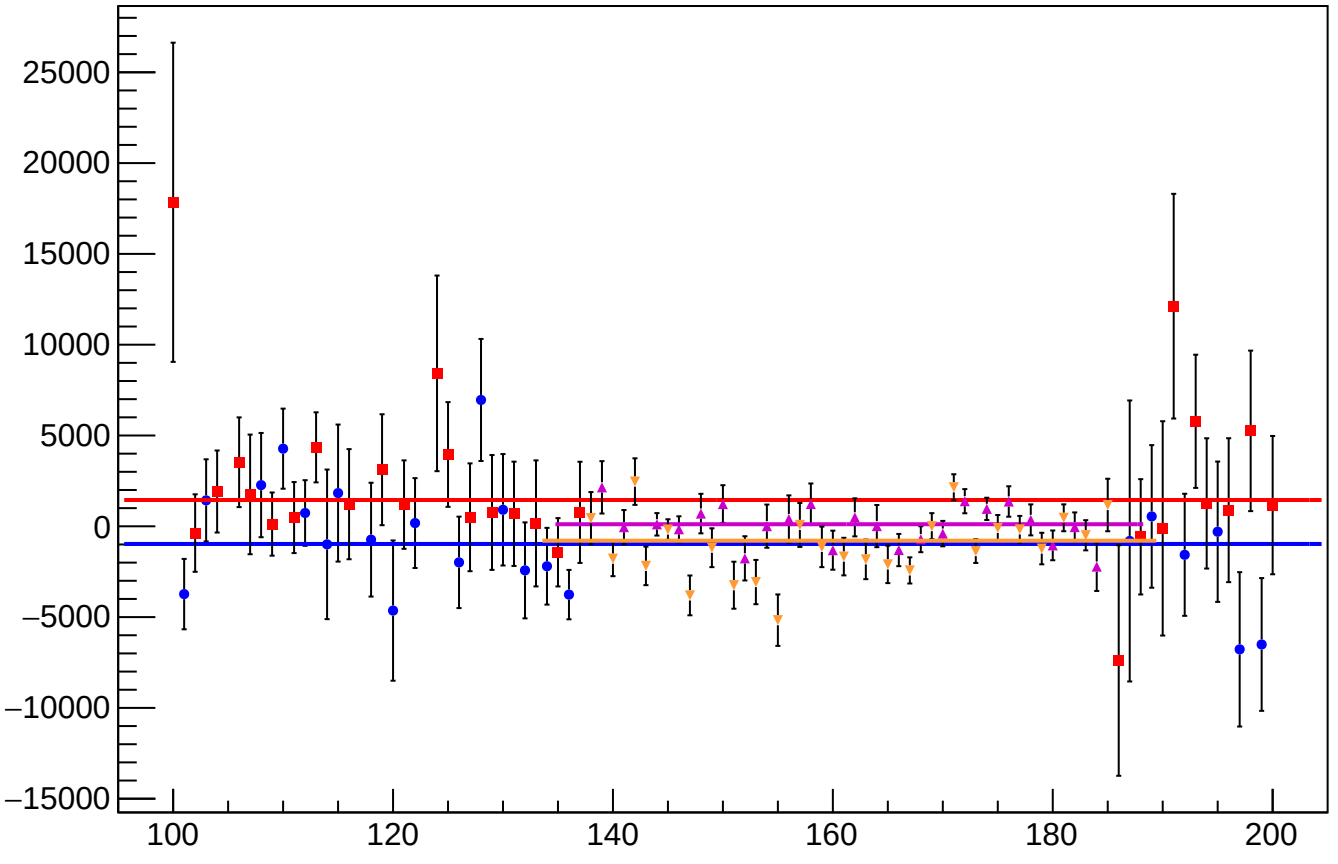
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 163.991+/-0.027 χ^2/NDF: 10754386.2/49

In: 115.005+/-0.016 χ^2/NDF:7793956.8/44

Out: 116.530+/-0.016 χ^2/NDF:10842925.5/52

All: 115.782+/-0.011 χ^2/NDF: 18641319.9/97



Right In: -972.634+/-560.393 χ^2/NDF: 28.0/21

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

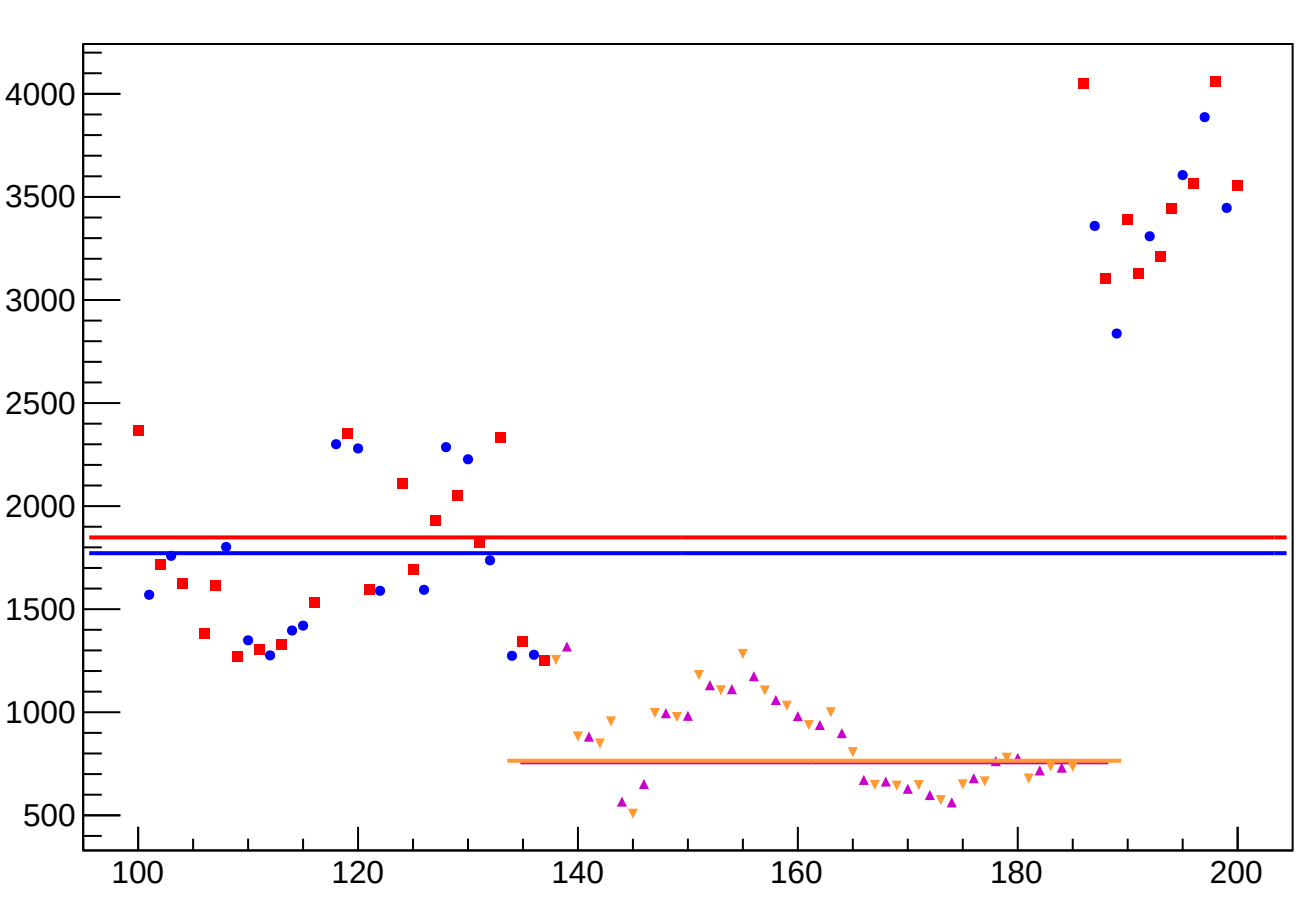
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 282.212+/-388.862 χ^2/NDF: 58.8/49

In: 8.869+/-174.067 χ^2/NDF:57.7/44

Out: -569.268+/-170.676 χ^2/NDF:106.6/52

All: -285.886+/-121.867 χ^2/NDF: 169.9/97



Right In: 1771.716+/-0.396 χ^2/NDF: 2873767.2/21

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

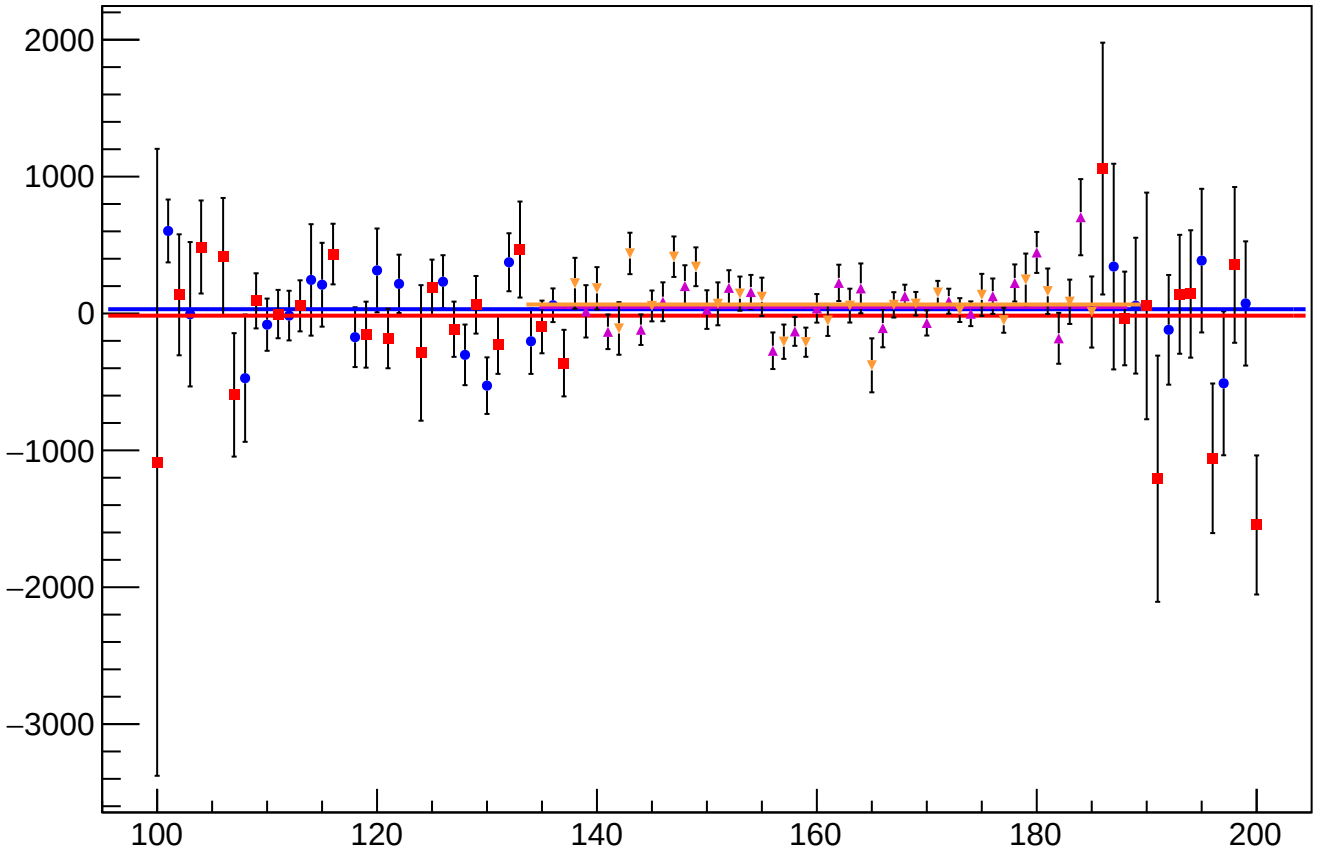
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1811.370+/-0.275 χ^2/NDF: 6649470.8/49

In: 854.836+/-0.123 χ^2/NDF:10914655.1/44

Out: 872.954+/-0.121 χ^2/NDF:13428043.8/52

All: 864.073+/-0.086 χ^2/NDF: 24353745.5/97



Right In: 31.235+/-53.011 χ^2/NDF: 27.0/21

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

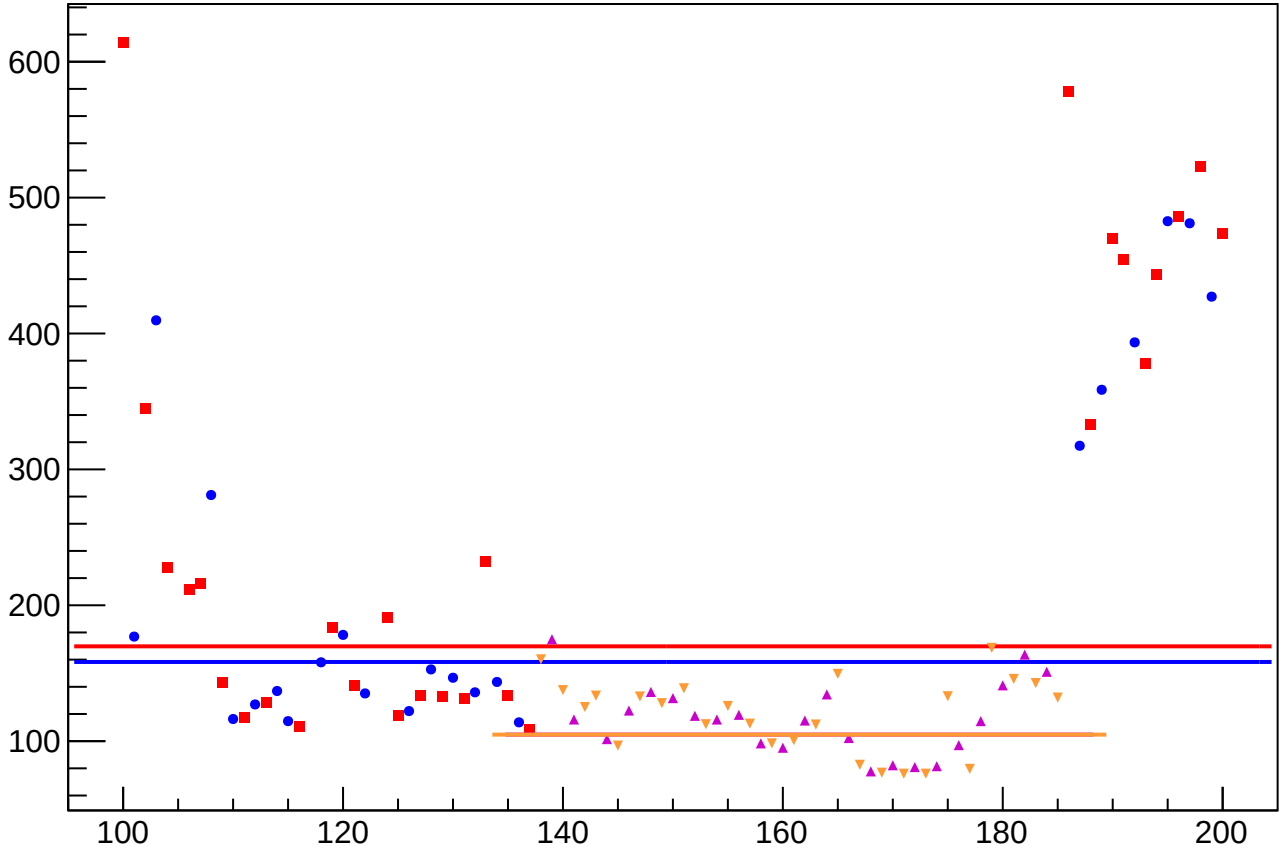
Right: 7.863+/-37.626 χ^2/NDF: 61.4/49

In: 44.031+/-23.123 χ^2/NDF:65.7/44

Out: 50.988+/-22.687 χ^2/NDF:75.9/52

All: 47.576+/-16.194 χ^2/NDF: 141.7/97

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 158.288+/-0.037 χ^2/NDF: 4532869.7/21

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

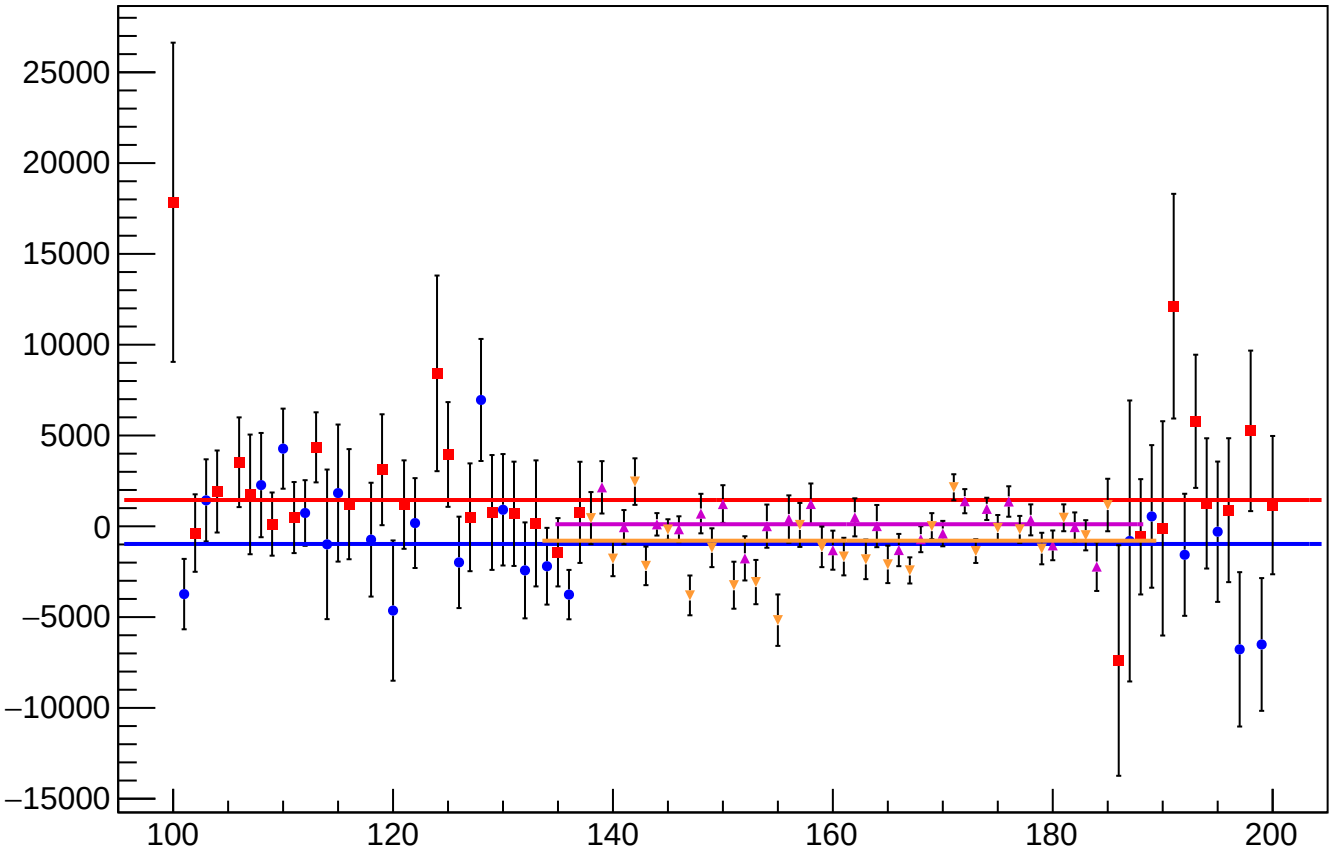
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 163.991+/-0.027 χ^2/NDF: 10754379.0/49

In: 115.005+/-0.016 χ^2/NDF:7793957.7/44

Out: 116.531+/-0.016 χ^2/NDF:10842942.0/52

All: 115.783+/-0.011 χ^2/NDF: 18641337.5/97



Right In: -972.632+/-560.392 χ^2/NDF: 28.0/21

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

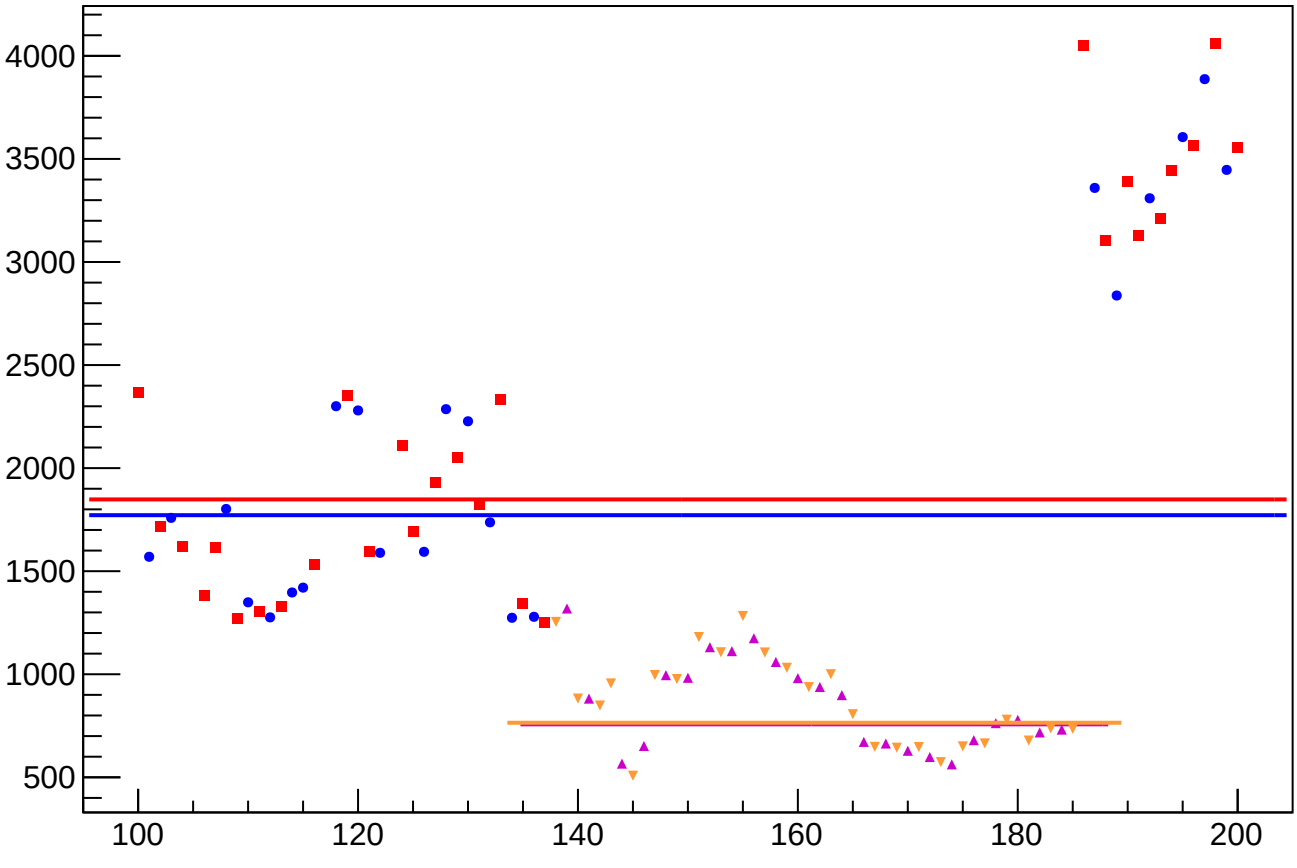
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 282.213+/-388.862 χ^2/NDF: 58.8/49

In: 8.869+/-174.067 χ^2/NDF:57.7/44

Out: -569.269+/-170.676 χ^2/NDF:106.6/52

All: -285.887+/-121.867 χ^2/NDF: 169.9/97



Right In: 1771.714+/-0.396 χ^2/NDF: 2873765.3/21

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

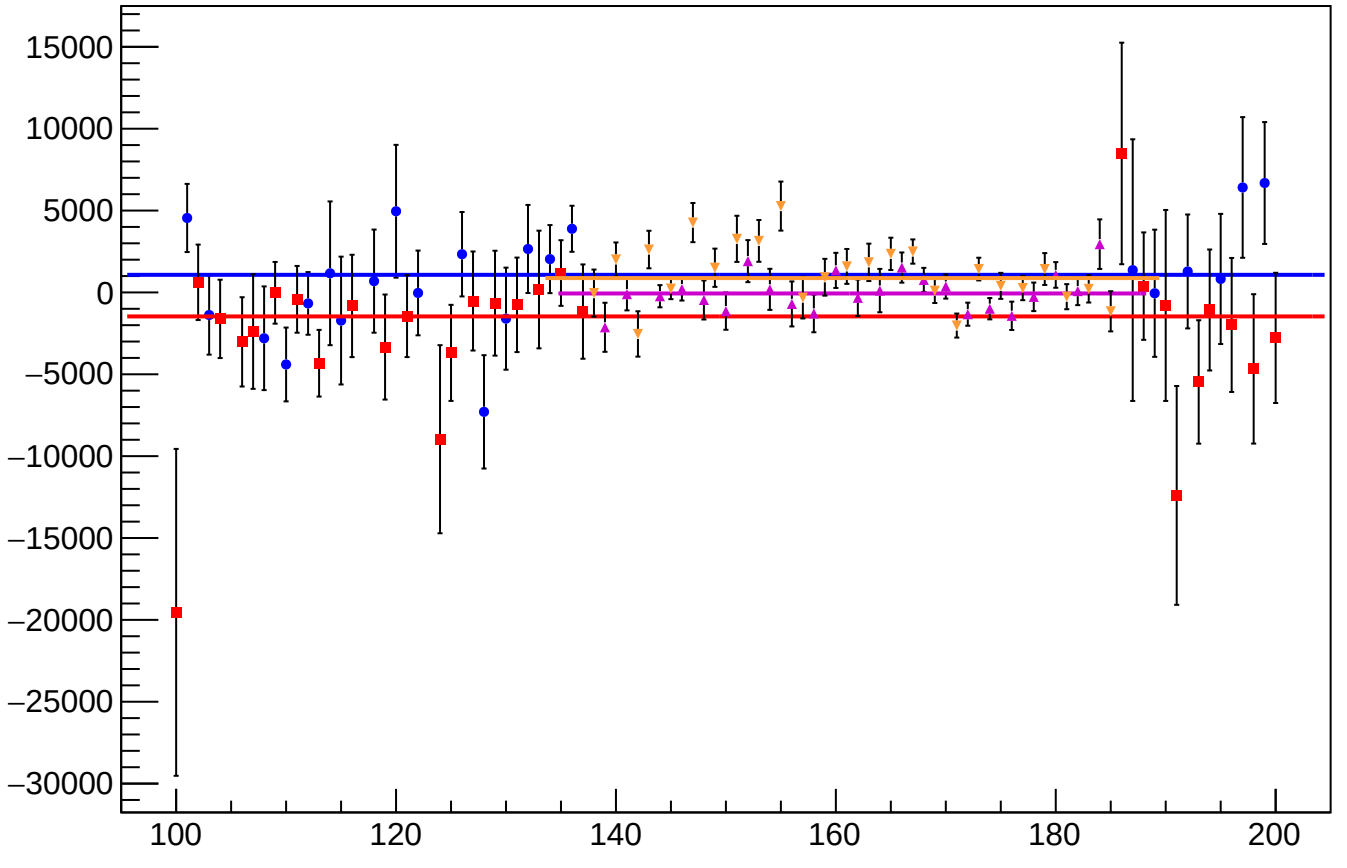
Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

Right: 1811.368+/-0.275 χ^2/NDF: 6649469.1/49

In: 854.835+/-0.123 χ^2/NDF:10914646.9/44

Out: 872.953+/-0.121 χ^2/NDF:13428030.2/52

All: 864.073+/-0.086 χ^2/NDF: 24353723.9/97



Right In: 1074.783+/-580.655 χ^2/NDF: 29.0/21

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

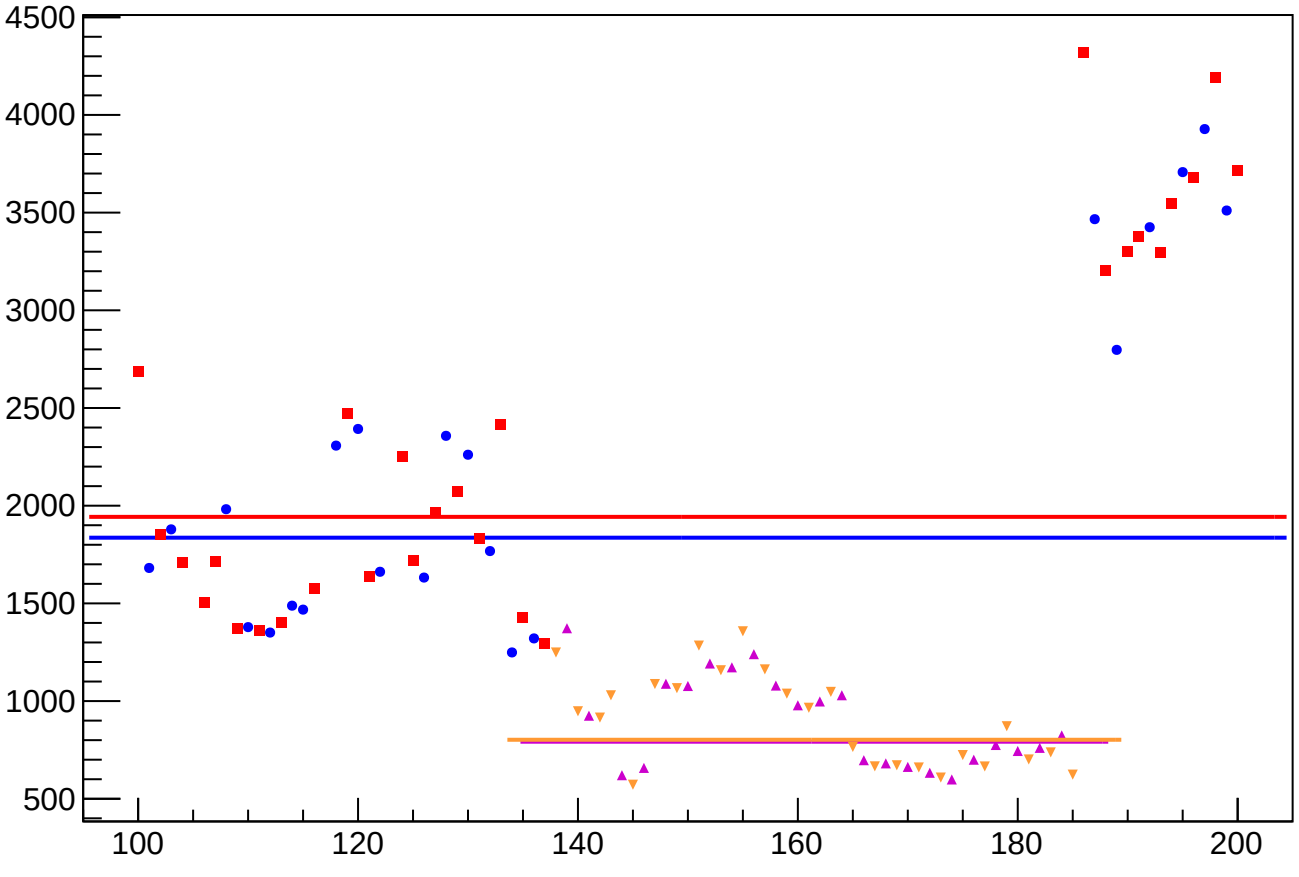
Right: -225.890+/-405.593 χ^2/NDF: 57.8/49

In: 48.938+/-181.947 χ^2/NDF:59.5/44

Out: 642.161+/-179.293 χ^2/NDF:101.7/52

All: 349.908+/-127.707 χ^2/NDF: 166.6/97

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1836.258+/-0.411 χ^2/NDF: 2818743.6/21

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

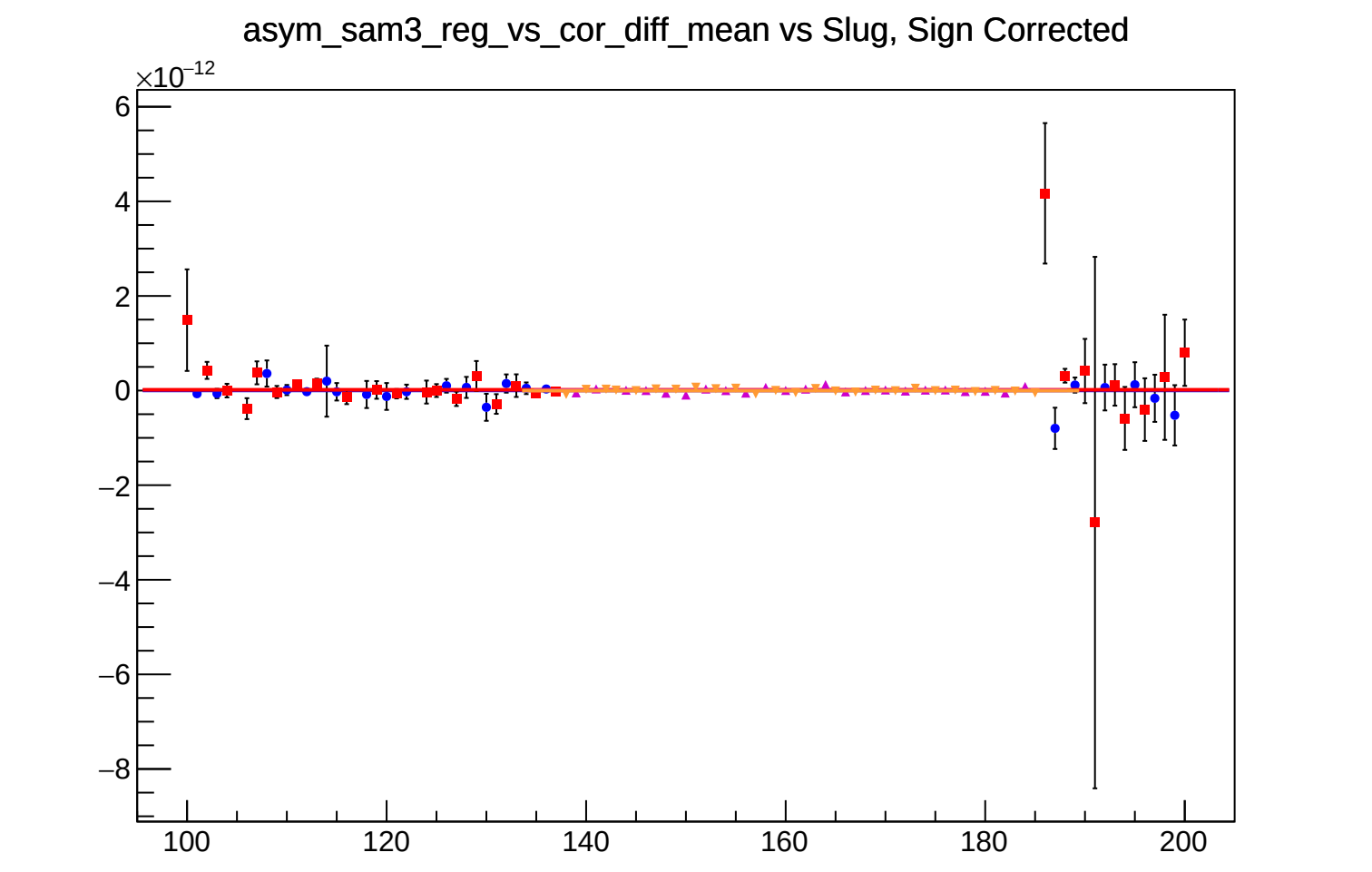
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1890.835+/-0.287 χ^2/NDF: 6459663.4/49

In: 894.587+/-0.129 χ^2/NDF:10787106.5/44

Out: 916.172+/-0.127 χ^2/NDF:13294295.9/52

All: 905.538+/-0.090 χ^2/NDF: 24095683.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/27

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

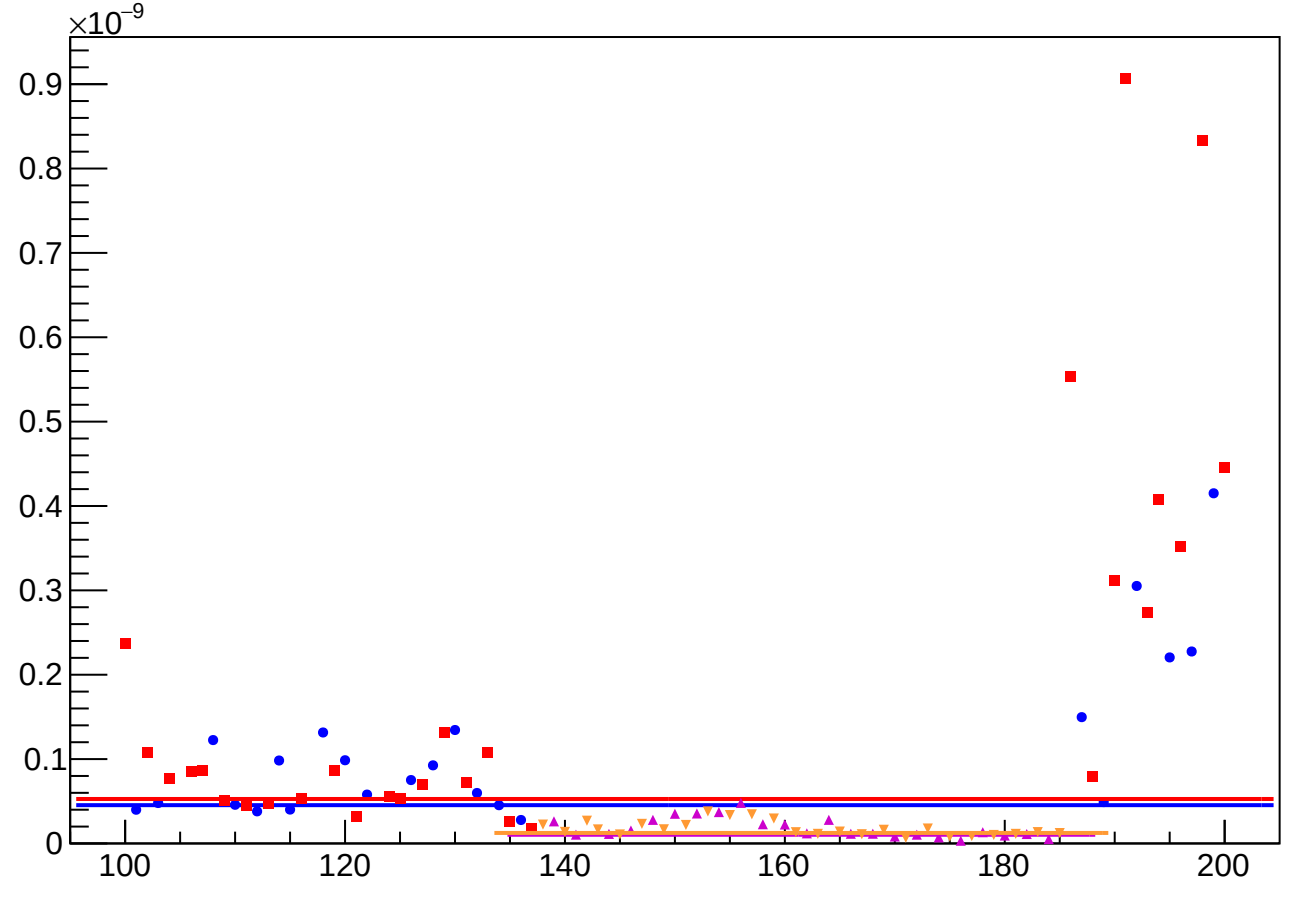
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 50.5/49

In: 0.000+/-0.000 χ^2/NDF:43.2/44

Out: -0.000+/-0.000 χ^2/NDF:63.2/52

All: 0.000+/-0.000 χ^2/NDF: 107.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 3076805.7/21

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

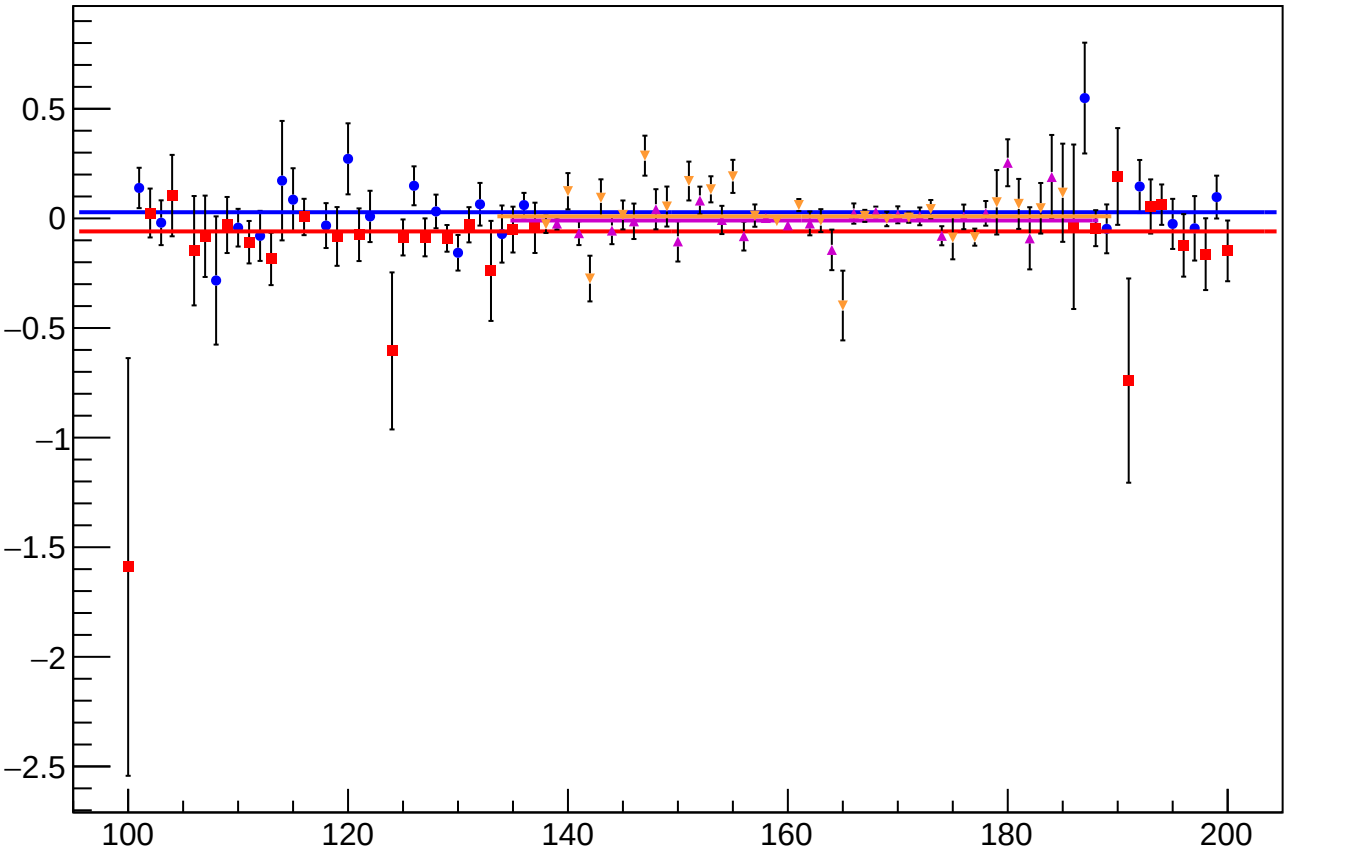
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8069200.4/49

In: 0.000+/-0.000 χ^2/NDF:10103395.9/44

Out: 0.000+/-0.000 χ^2/NDF:10743719.9/52

All: 0.000+/-0.000 χ^2/NDF: 21047904.7/97



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

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

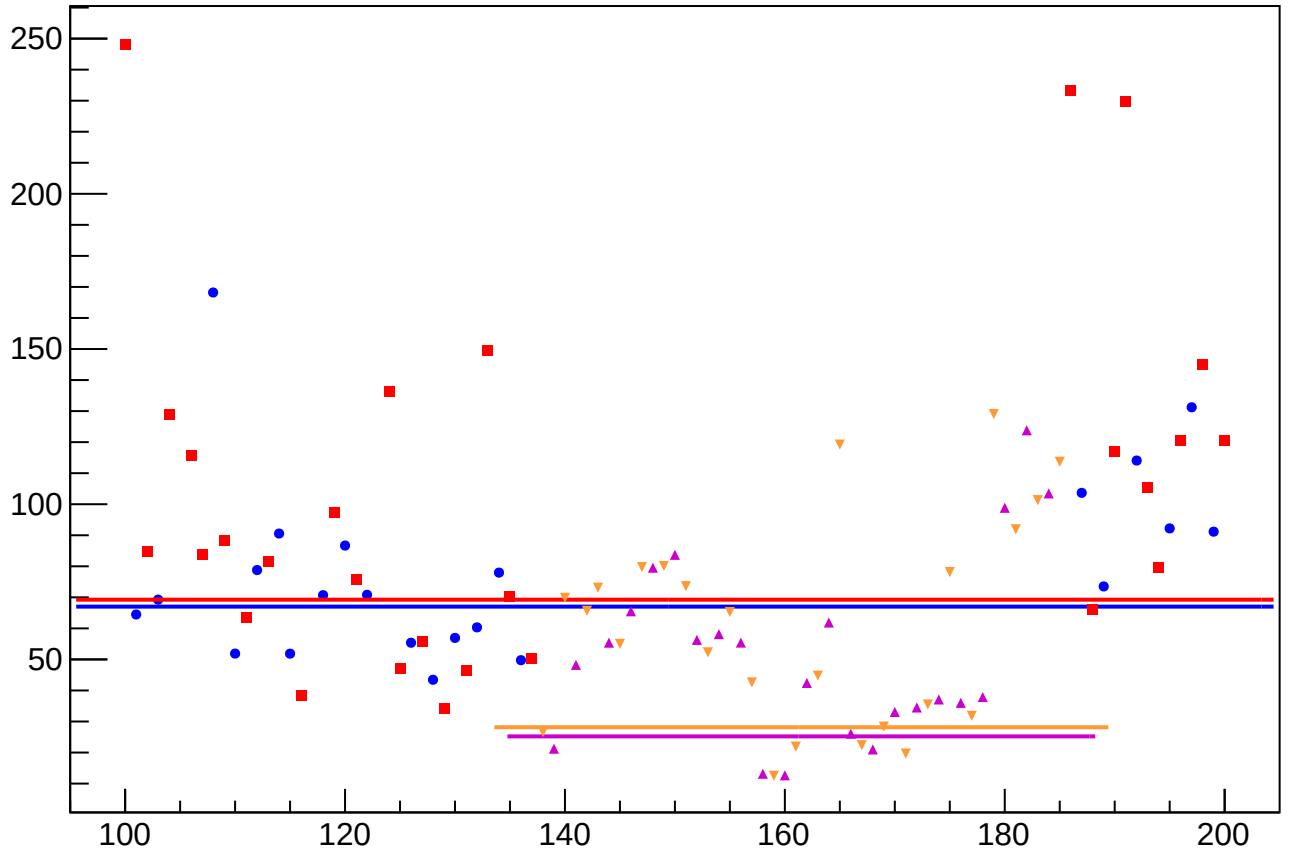
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.016 χ^2/NDF: 46.8/49

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.002+/-0.005 χ^2/NDF: 130.2/97



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

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

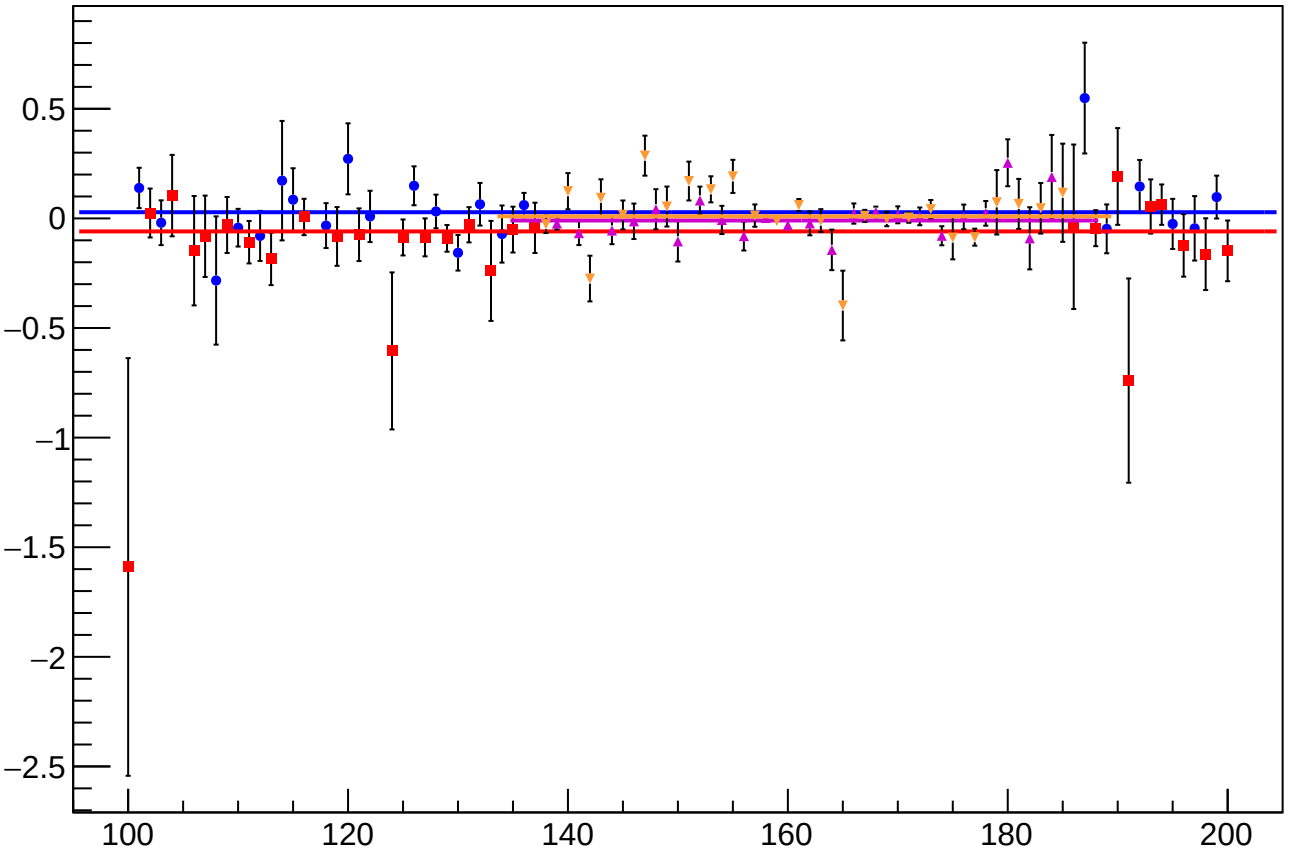
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.139+/-0.011 χ^2/NDF: 5932093.5/49

In: 29.942+/-0.005 χ^2/NDF:18089811.1/44

Out: 33.446+/-0.006 χ^2/NDF:21257984.3/52

All: 31.595+/-0.004 χ^2/NDF: 39555984.7/97



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

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

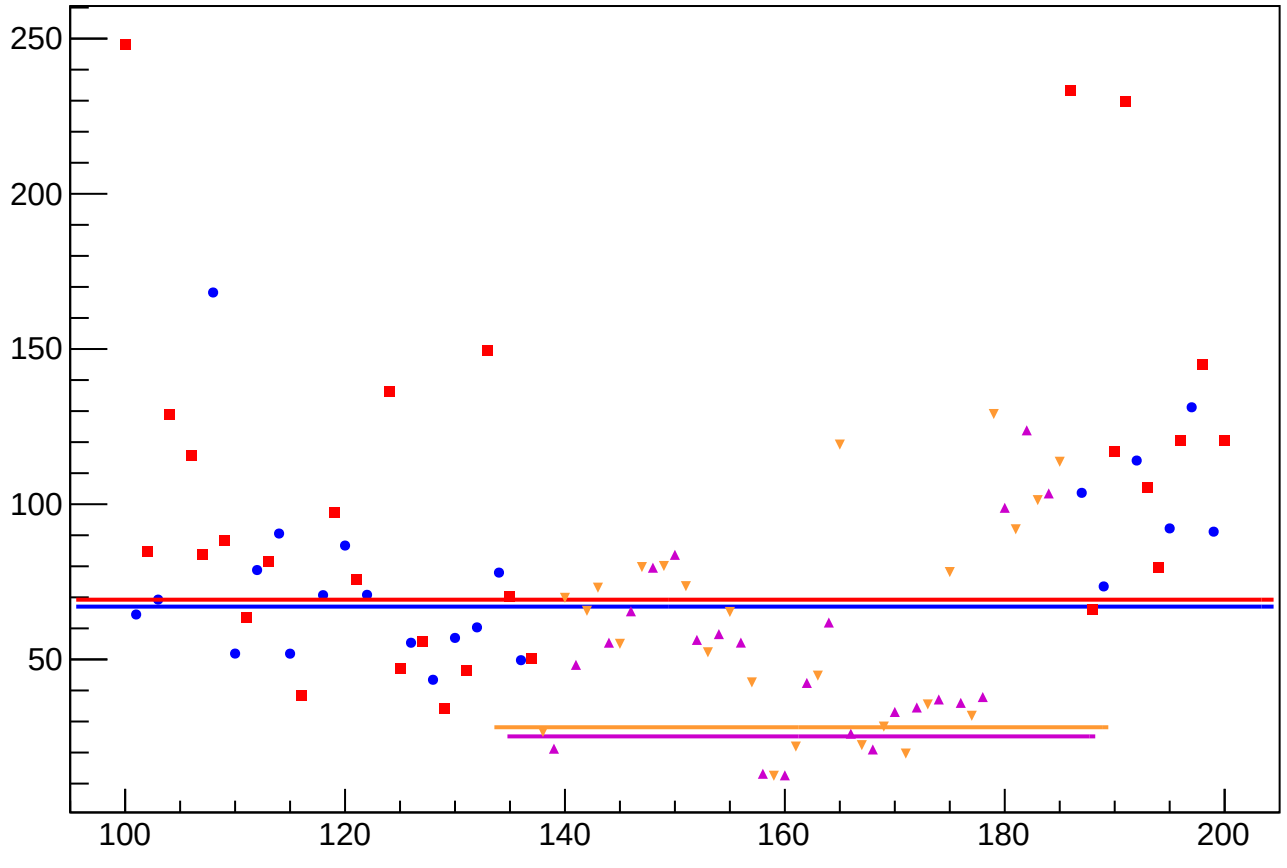
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.016 χ^2/NDF: 46.8/49

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.002+/-0.005 χ^2/NDF: 130.2/97



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

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

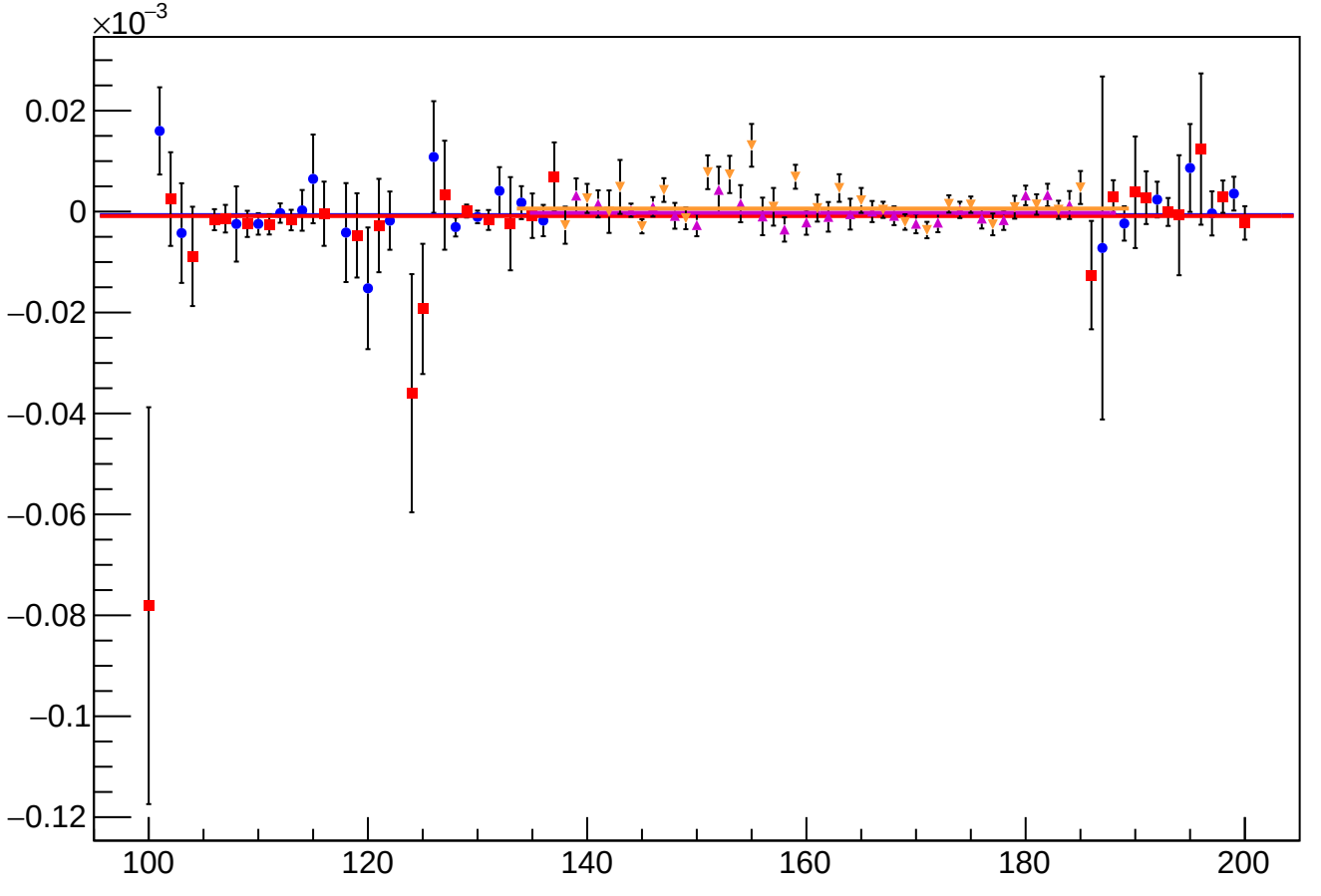
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.139+/-0.011 χ^2/NDF: 5932093.5/49

In: 29.942+/-0.005 χ^2/NDF:18089811.1/44

Out: 33.446+/-0.006 χ^2/NDF:21257984.3/52

All: 31.595+/-0.004 χ^2/NDF: 39555984.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/21

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

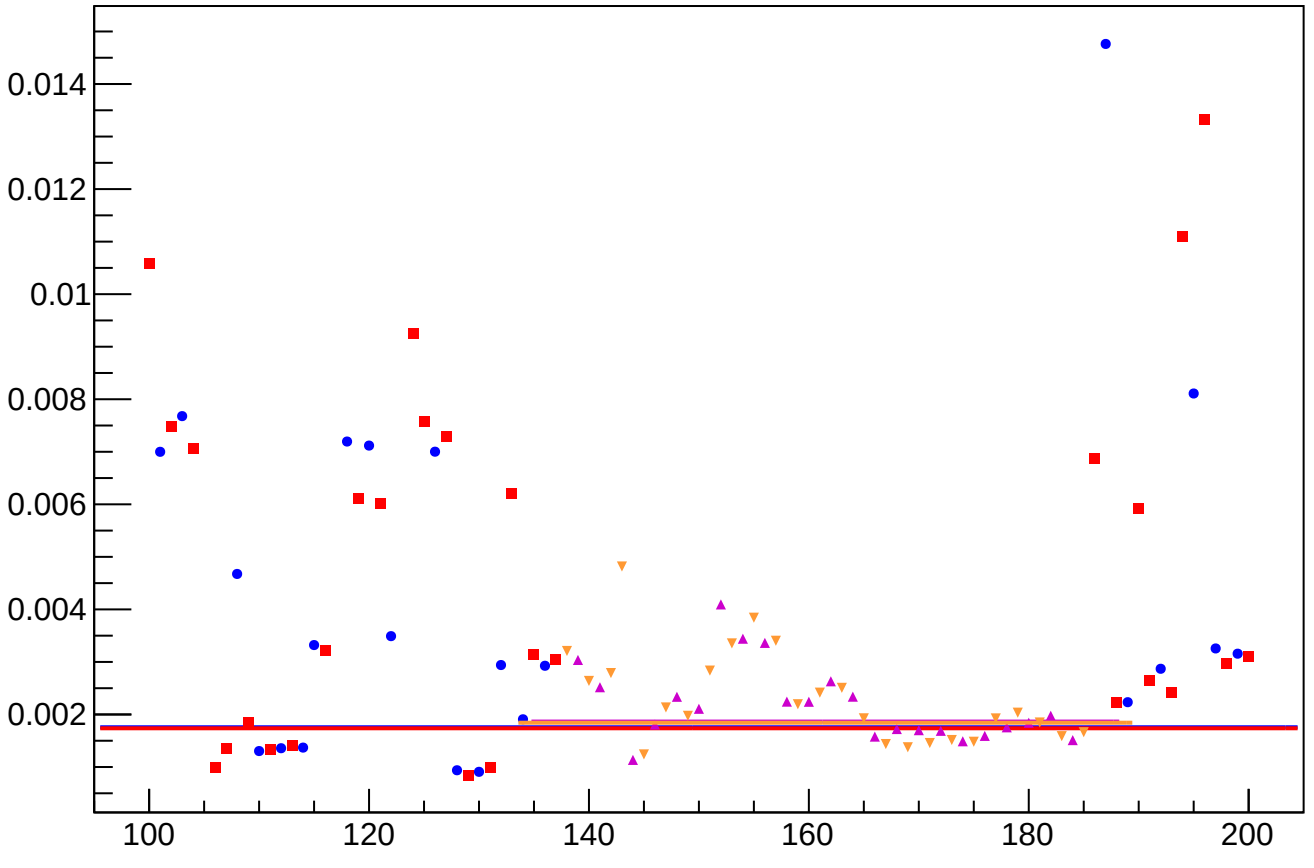
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 33.7/49

In: -0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:74.5/52

All: -0.000+/-0.000 χ^2/NDF: 107.4/97



Right In: 0.002+/-0.000 χ^2/NDF: 7561343.1/21

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

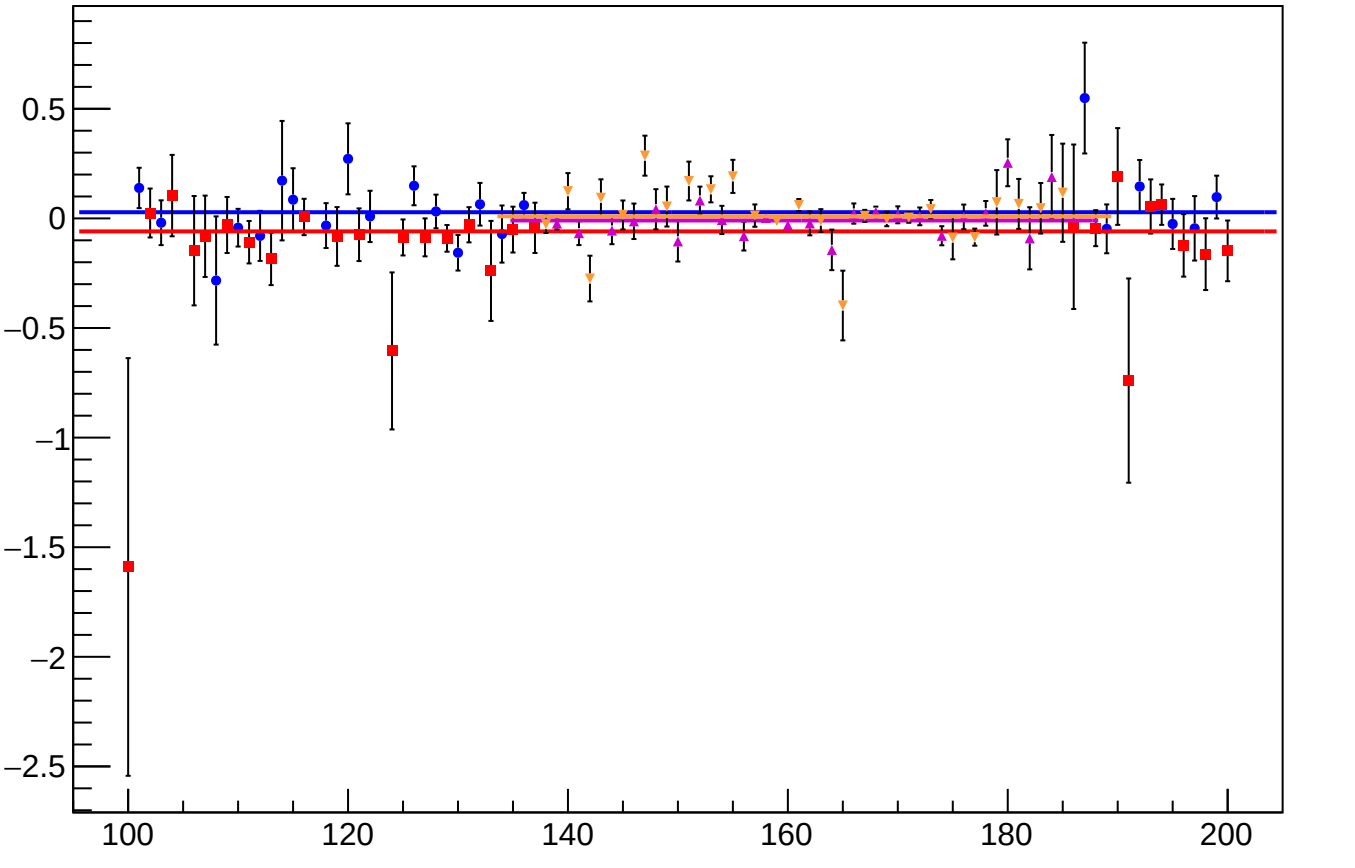
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 17745921.3/49

In: 0.002+/-0.000 χ^2/NDF:10390276.3/44

Out: 0.002+/-0.000 χ^2/NDF:14004851.8/52

All: 0.002+/-0.000 χ^2/NDF: 24399023.2/97



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

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

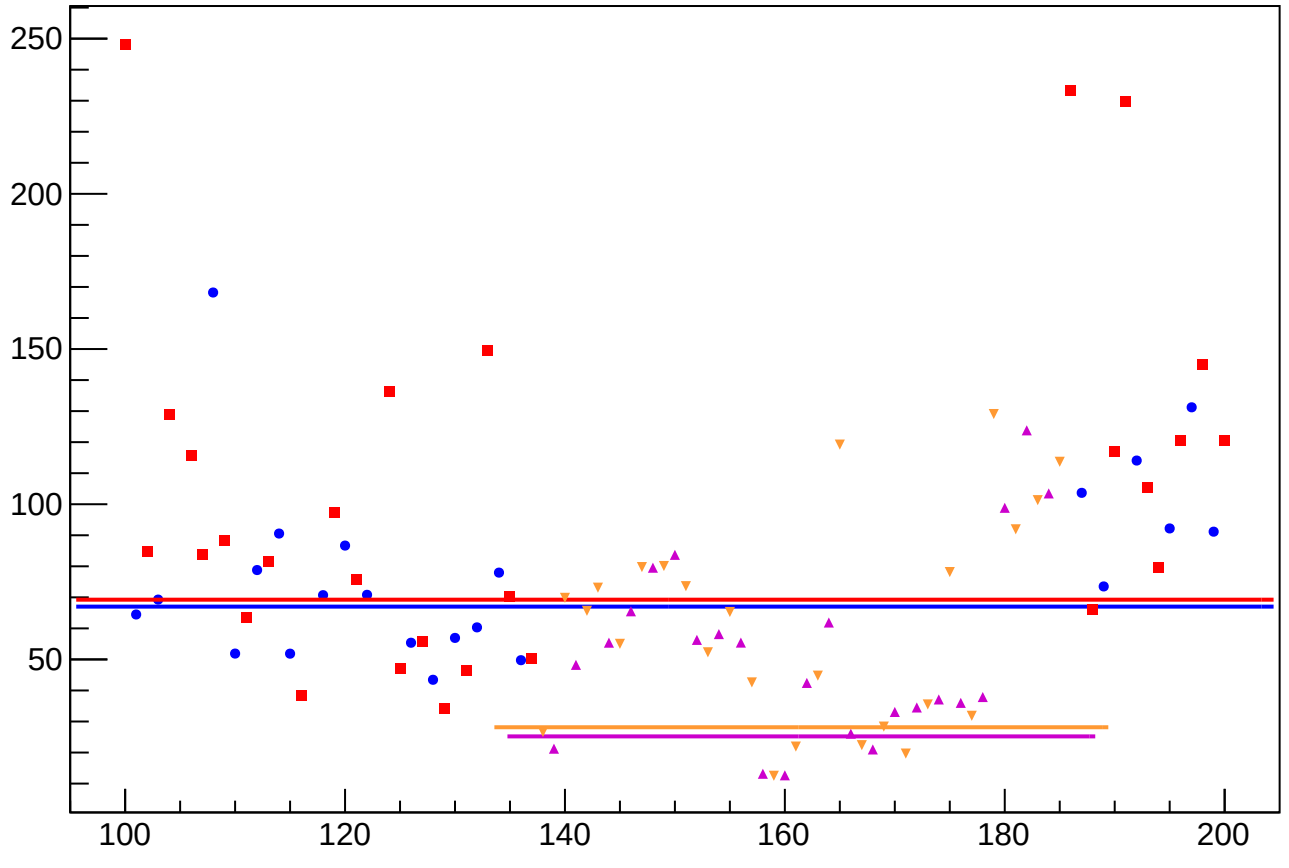
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.016 χ^2/NDF: 46.8/49

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:80.0/52

All: -0.002+/-0.005 χ^2/NDF: 130.2/97



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

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

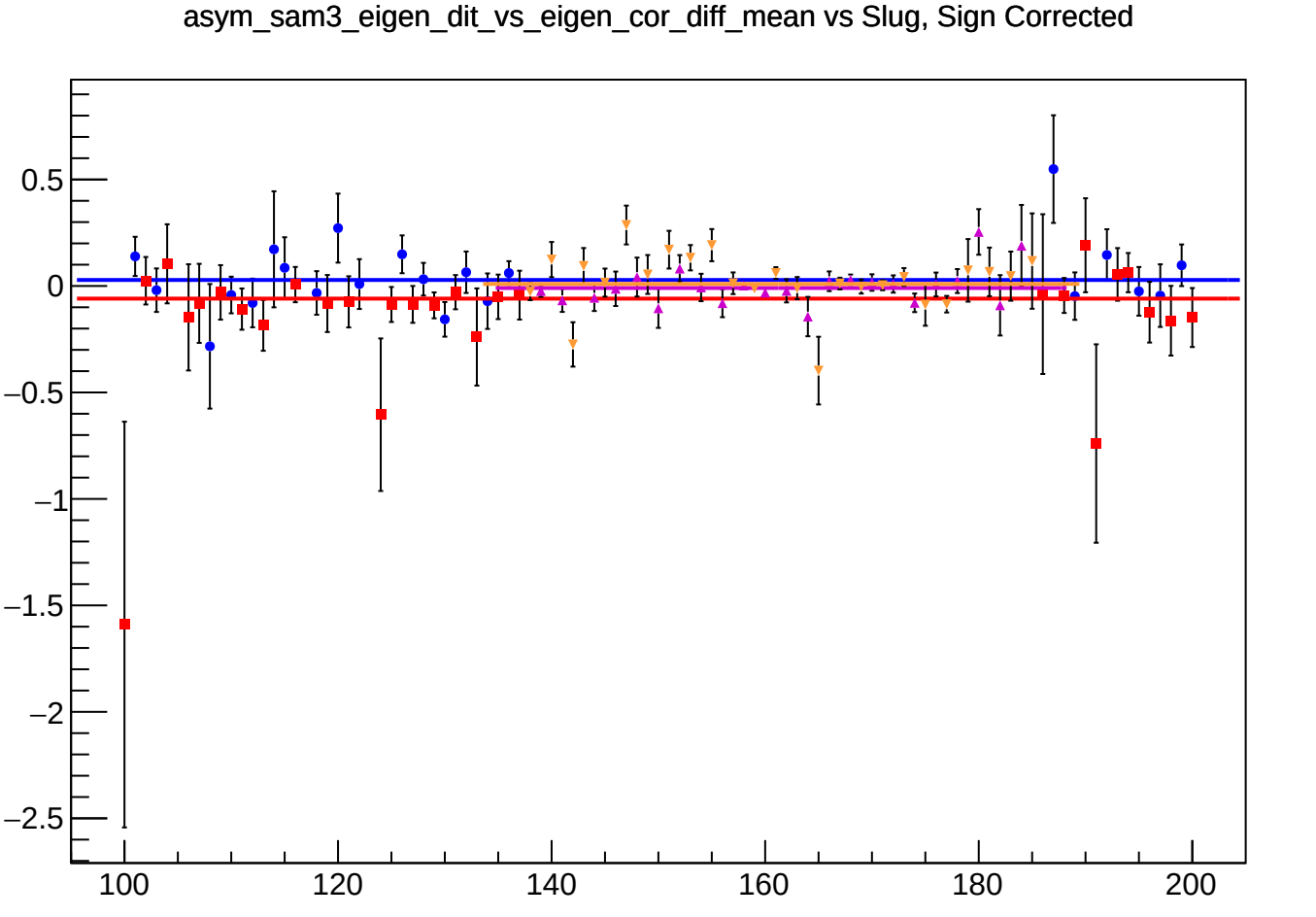
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.140+/-0.011 χ^2/NDF: 5932090.8/49

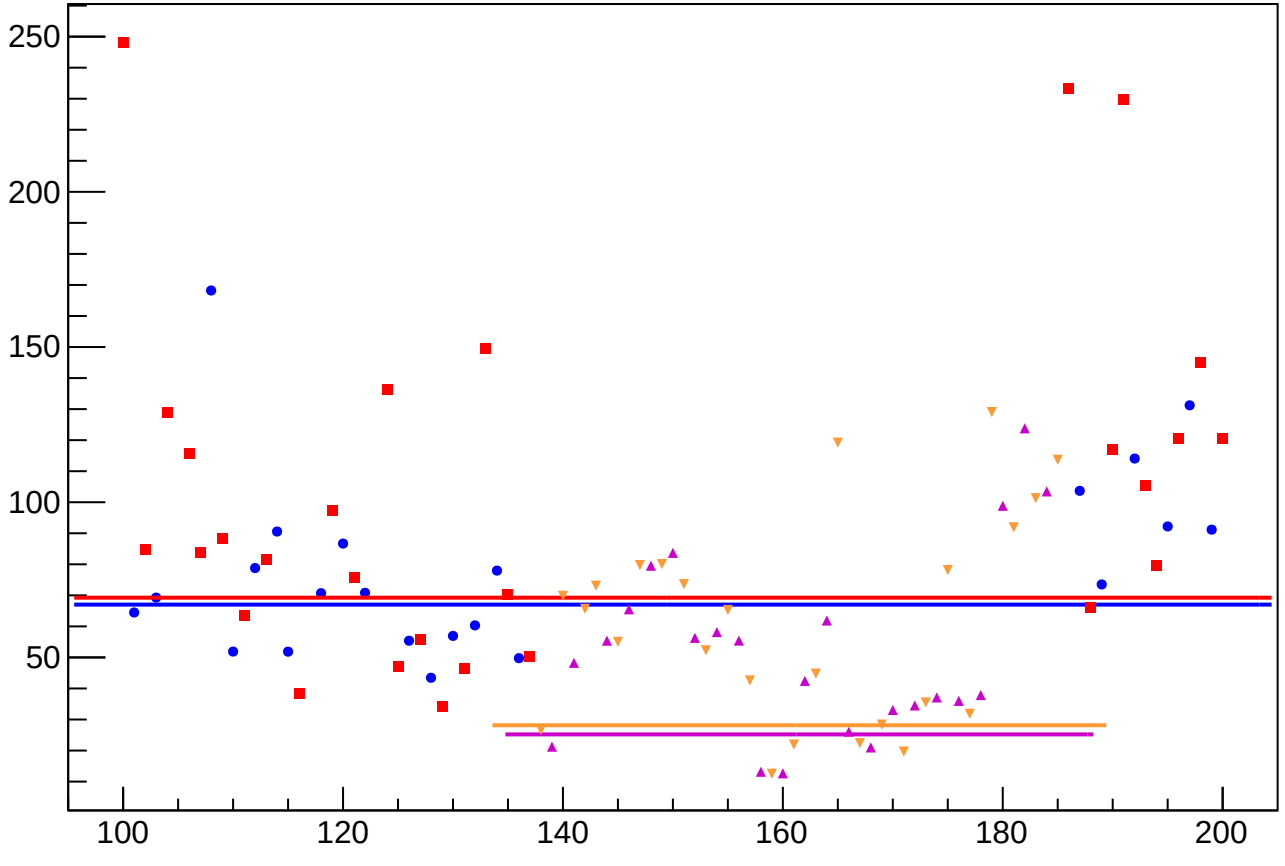
In: 29.941+/-0.005 χ^2/NDF:18090450.9/44

Out: 33.445+/-0.006 χ^2/NDF:21259641.3/52

All: 31.595+/-0.004 χ^2/NDF: 39558188.6/97


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: 0.028+/-0.022 χ²/NDF: 22.2/21
Left Out: 0.010+/-0.008 χ²/NDF:54.6/24
Right Out: -0.059+/-0.022 χ²/NDF: 16.8/27
Left In: -0.009+/-0.008 χ²/NDF:25.2/22
Left: -0.001+/-0.006 χ²/NDF: 82.5/47
Right: -0.016+/-0.016 χ²/NDF: 46.8/49
In: -0.005+/-0.007 χ²/NDF:49.9/44
Out: 0.001+/-0.008 χ²/NDF:80.0/52
All: -0.002+/-0.005 χ²/NDF: 130.2/97

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

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

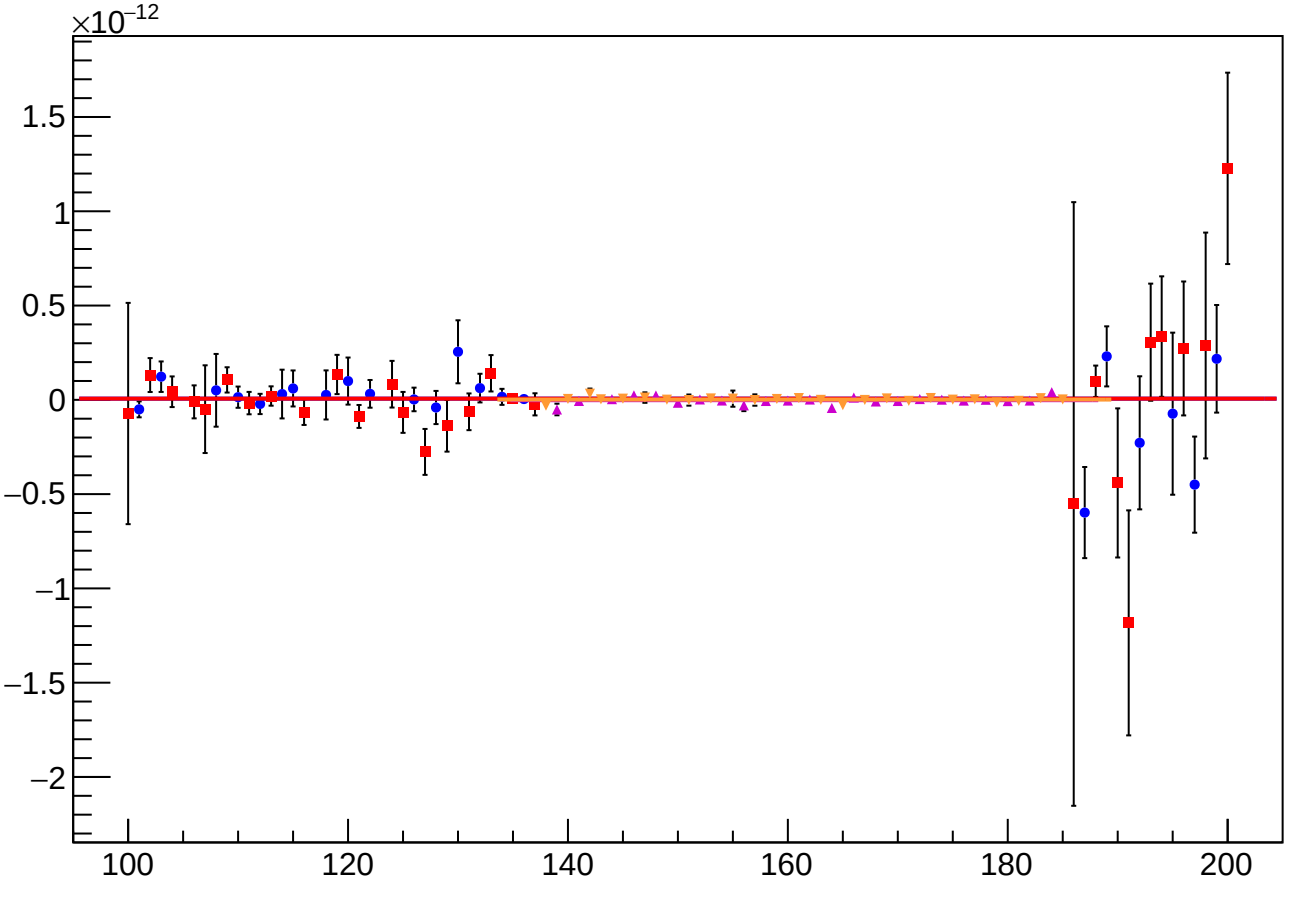
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.140+/-0.011 χ^2/NDF: 5932090.8/49

In: 29.941+/-0.005 χ^2/NDF:18090450.9/44

Out: 33.445+/-0.006 χ^2/NDF:21259641.3/52

All: 31.595+/-0.004 χ^2/NDF: 39558188.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

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

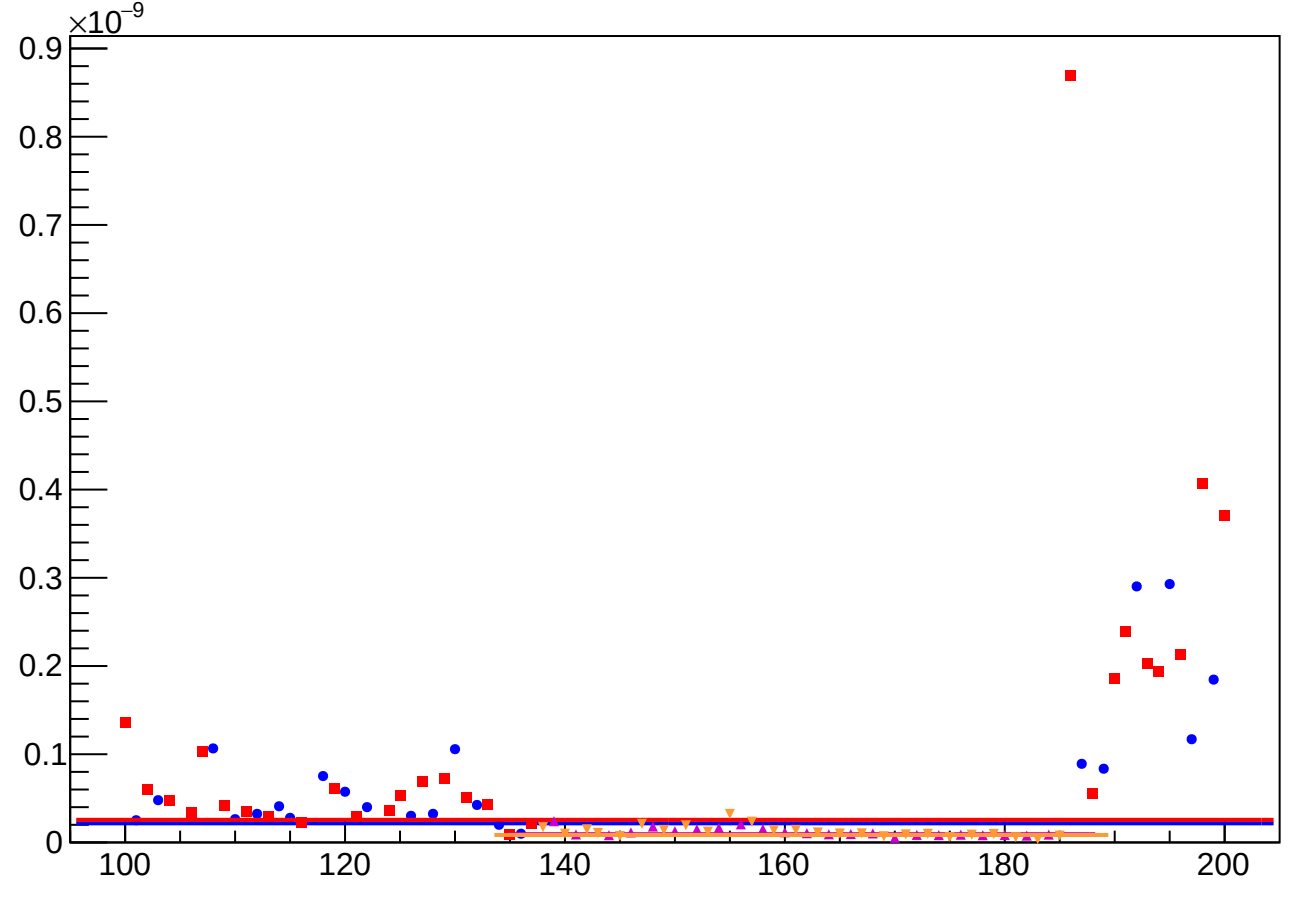
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 55.8/49

In: -0.000+/-0.000 χ^2/NDF:42.1/44

Out: 0.000+/-0.000 χ^2/NDF:46.3/52

All: 0.000+/-0.000 χ^2/NDF: 89.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 6499850.2/21

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

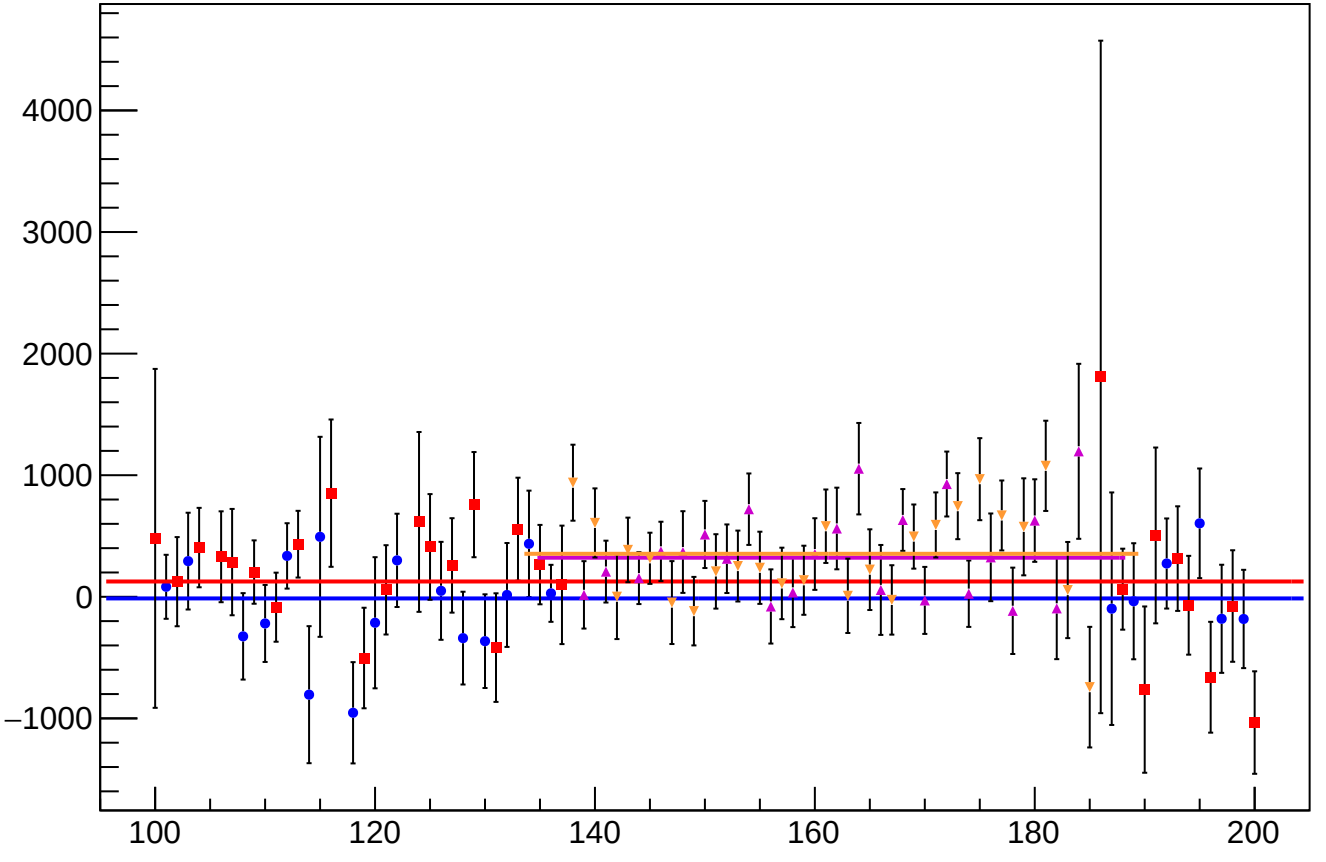
Right: 0.000+/-0.000 χ^2/NDF: 15093931.5/49

In: 0.000+/-0.000 χ^2/NDF:10605439.6/44

Out: 0.000+/-0.000 χ^2/NDF:16051658.4/52

All: 0.000+/-0.000 χ^2/NDF: 26766777.8/97

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.425+/-81.475 χ^2/NDF: 17.3/21

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

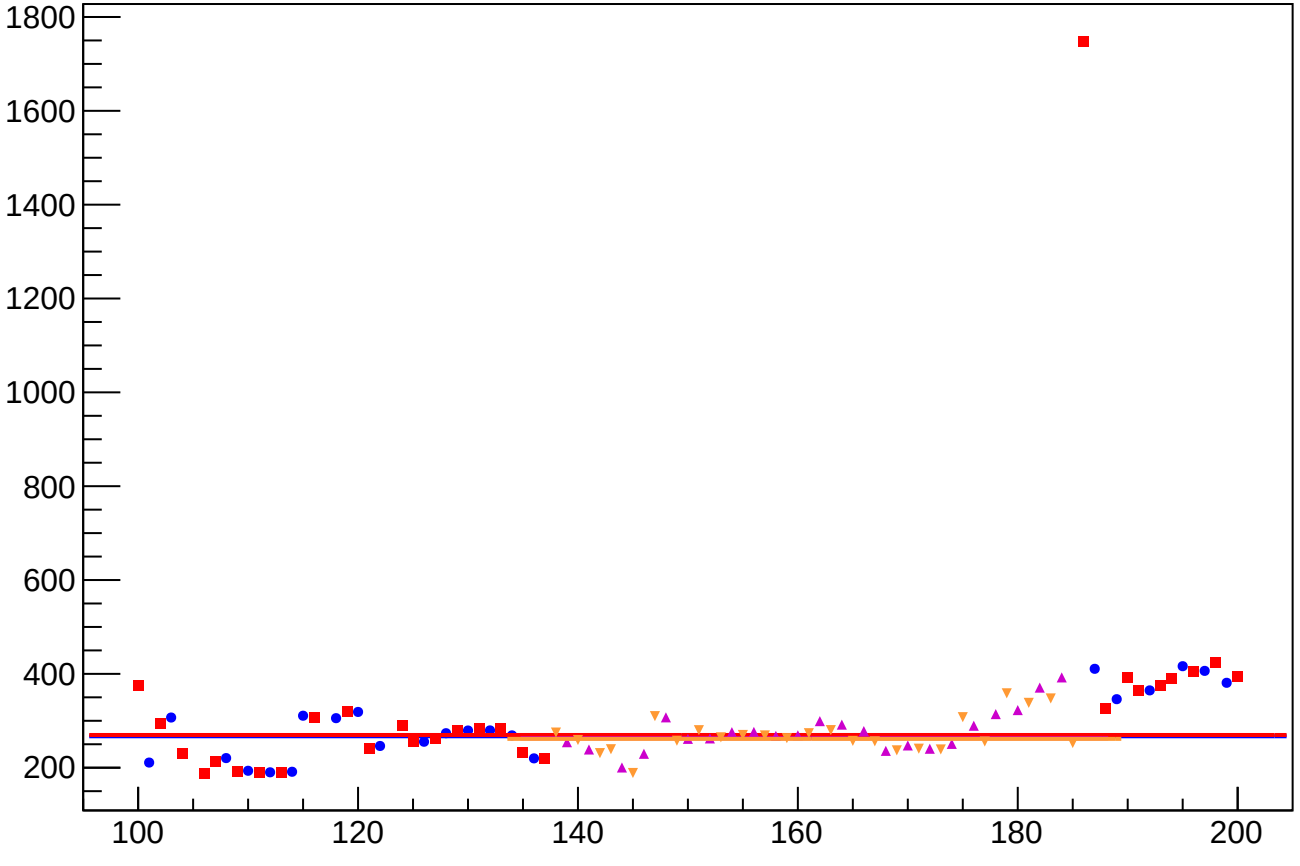
Right: 60.294+/-55.910 χ^2/NDF: 45.2/49

In: 198.400+/-49.396 χ^2/NDF:54.3/44

Out: 267.133+/-47.369 χ^2/NDF:64.0/52

All: 234.206+/-34.189 χ^2/NDF: 119.3/97

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400316.9/21

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

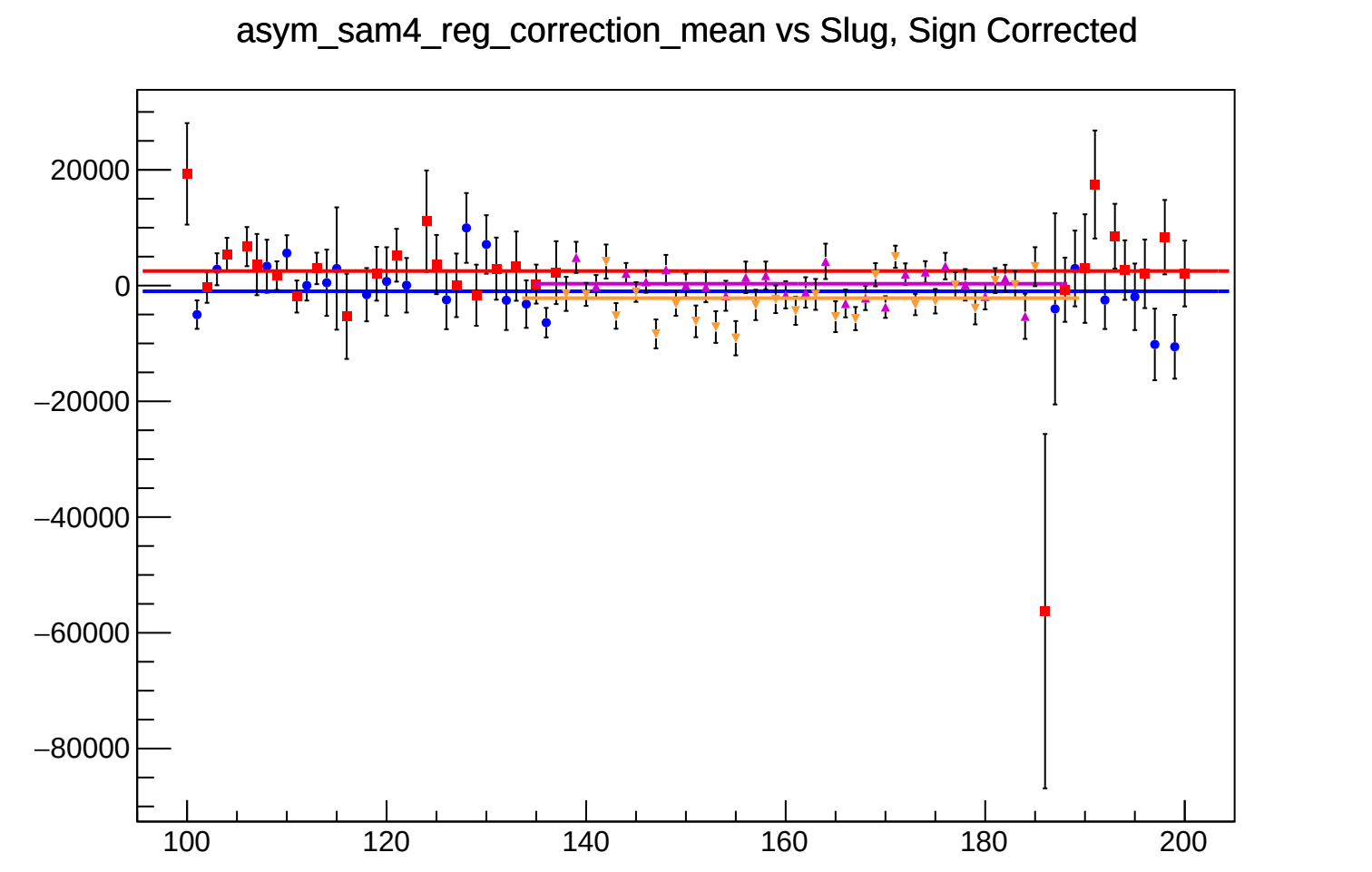
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 268.458+/-0.040 χ^2/NDF: 3792941.9/49

In: 264.225+/-0.035 χ^2/NDF:2074613.4/44

Out: 264.619+/-0.033 χ^2/NDF:3121307.5/52

All: 264.430+/-0.024 χ^2/NDF: 5195987.3/97



Right In: -991.774+/-887.315 χ^2/NDF: 27.2/21

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

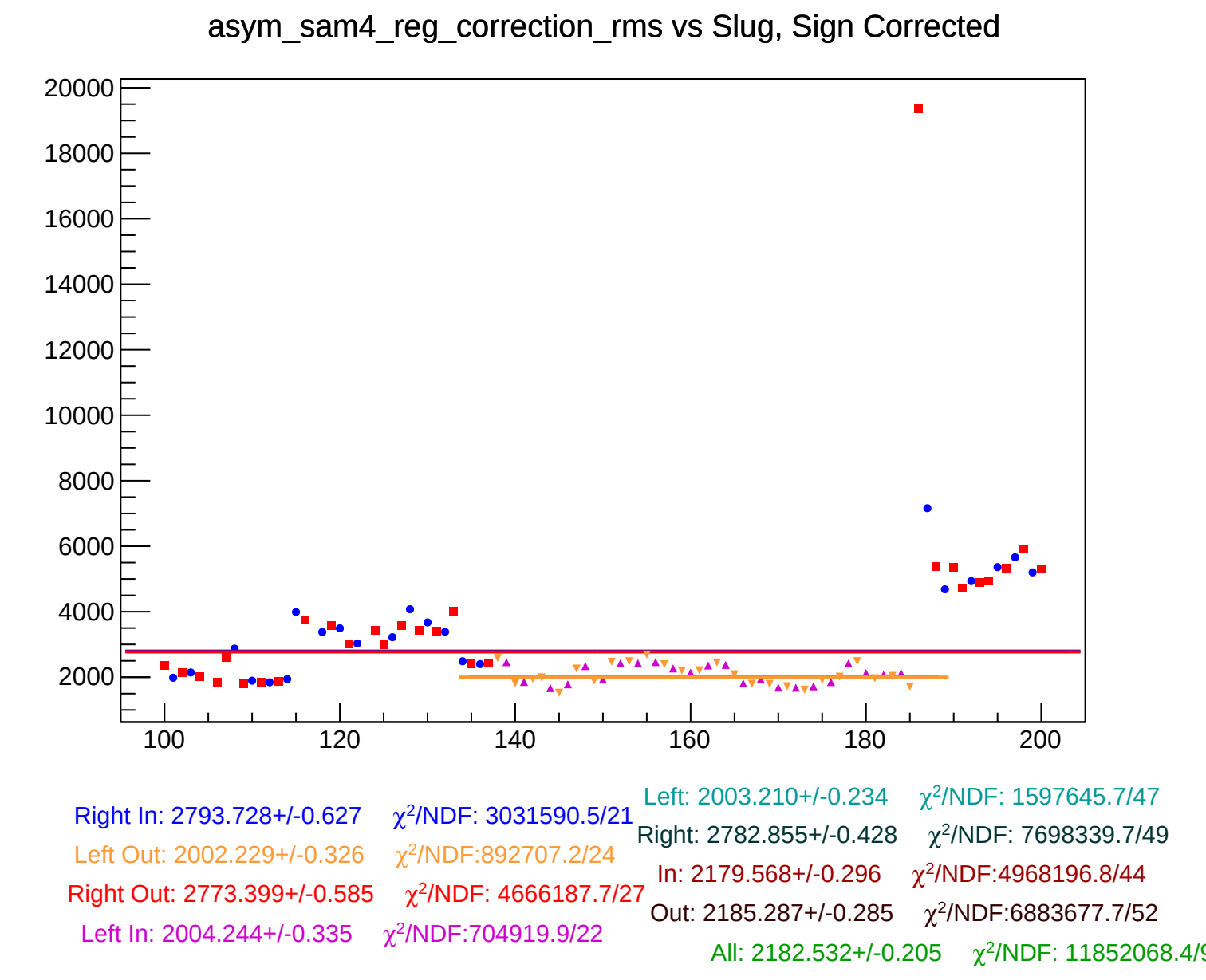
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 881.186+/-605.158 χ^2/NDF: 58.1/49

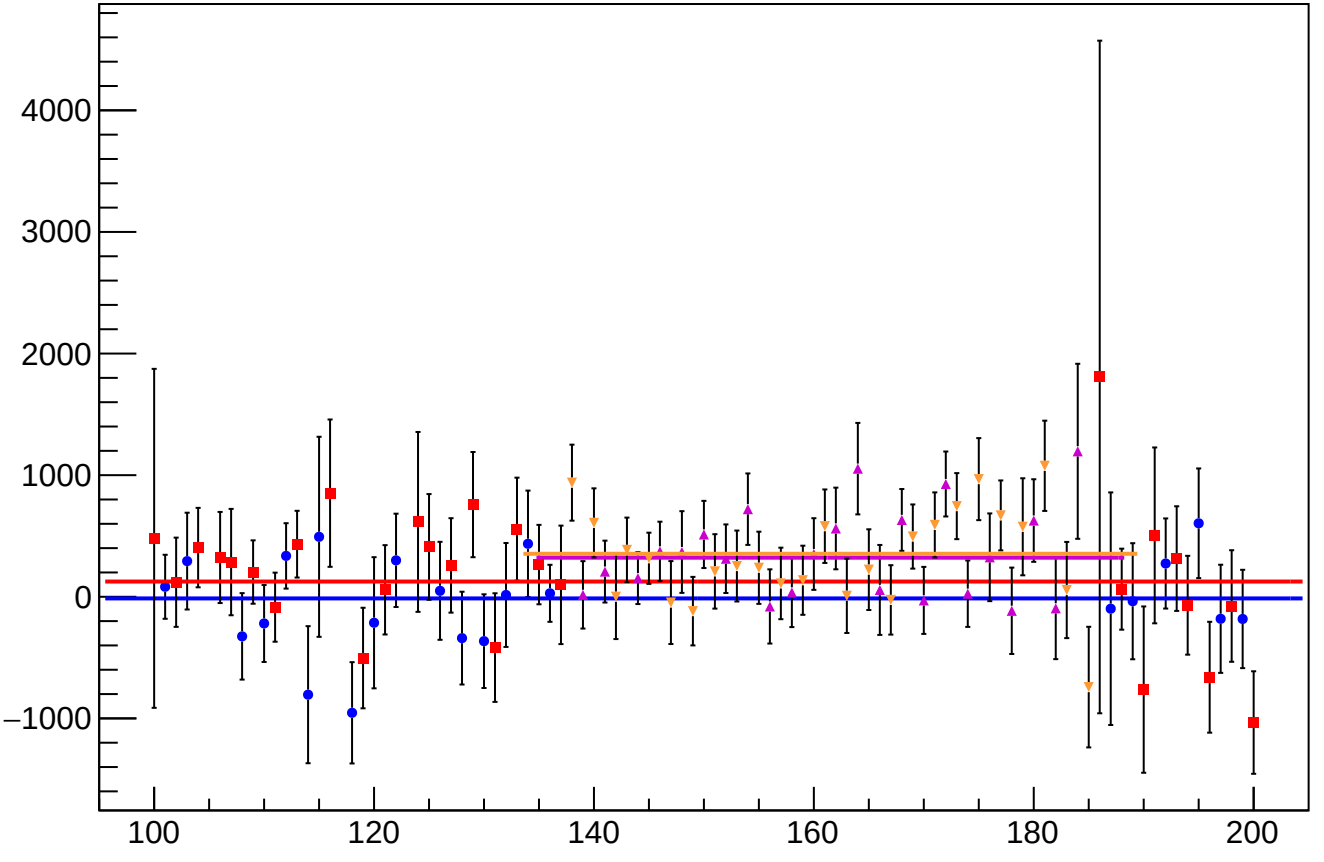
In: 23.819+/-418.144 χ^2/NDF:52.5/44

Out: -1060.483+/-403.150 χ^2/NDF:102.5/52

All: -538.122+/-290.226 χ^2/NDF: 158.5/97


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: 2793.728+/-0.627 χ²/NDF: 3031590.5/21
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: 2782.855+/-0.428 χ²/NDF: 7698339.7/49
In: 2179.568+/-0.296 χ²/NDF:4968196.8/44
Out: 2185.287+/-0.285 χ²/NDF:6883677.7/52
All: 2182.532+/-0.205 χ²/NDF: 11852068.4/9

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

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

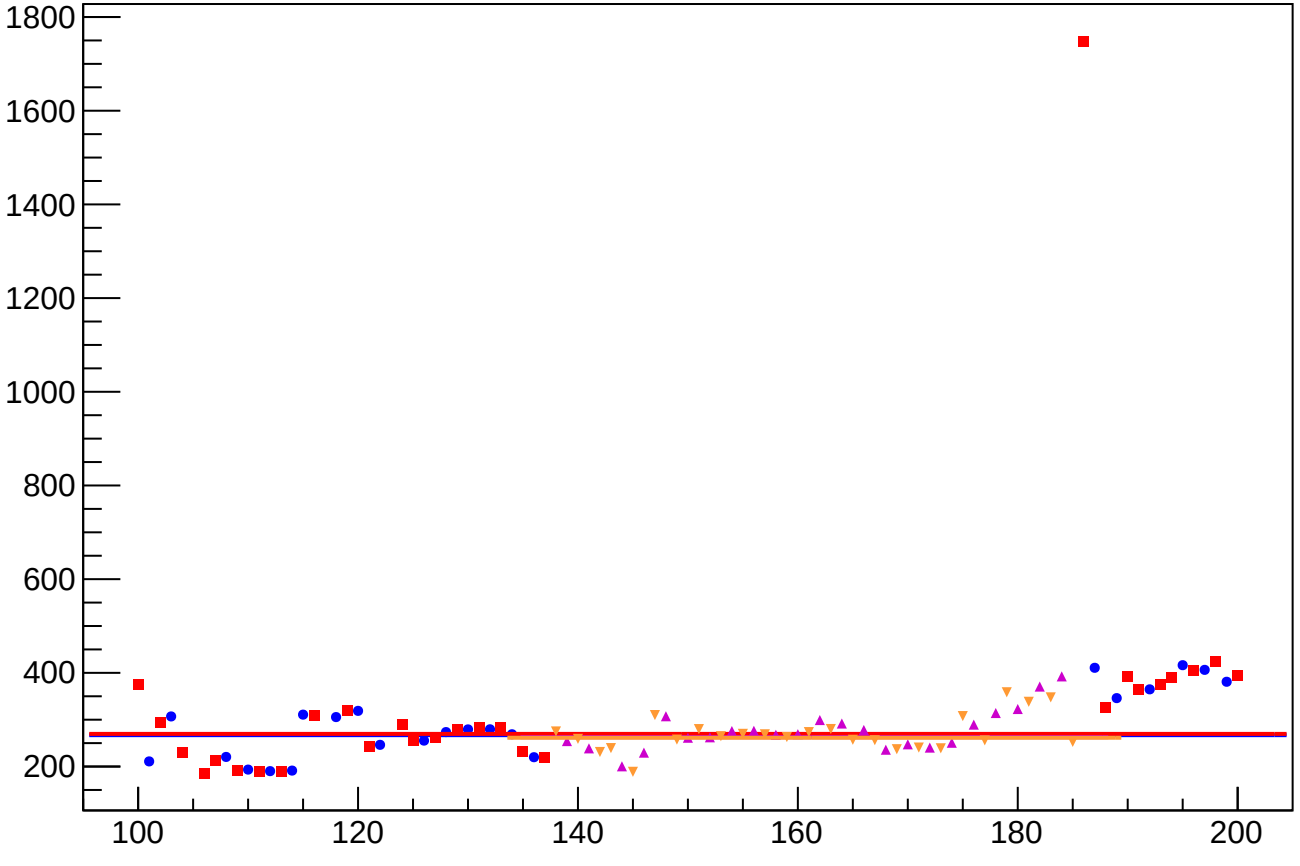
Right: 60.005+/-55.914 χ^2/NDF: 45.1/49

In: 198.398+/-49.396 χ^2/NDF:54.3/44

Out: 266.964+/-47.371 χ^2/NDF:64.0/52

All: 234.115+/-34.190 χ^2/NDF: 119.3/97

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

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

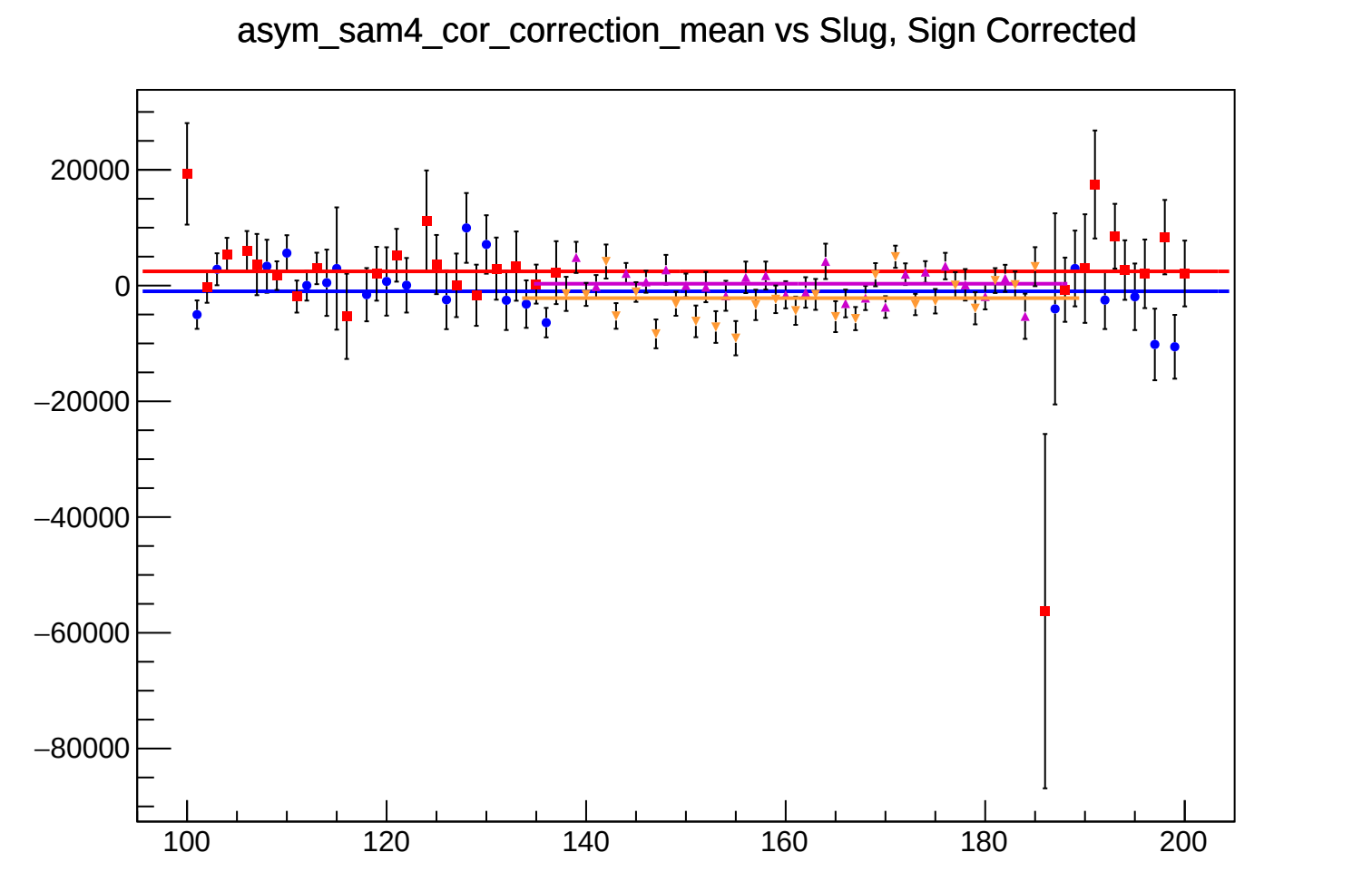
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

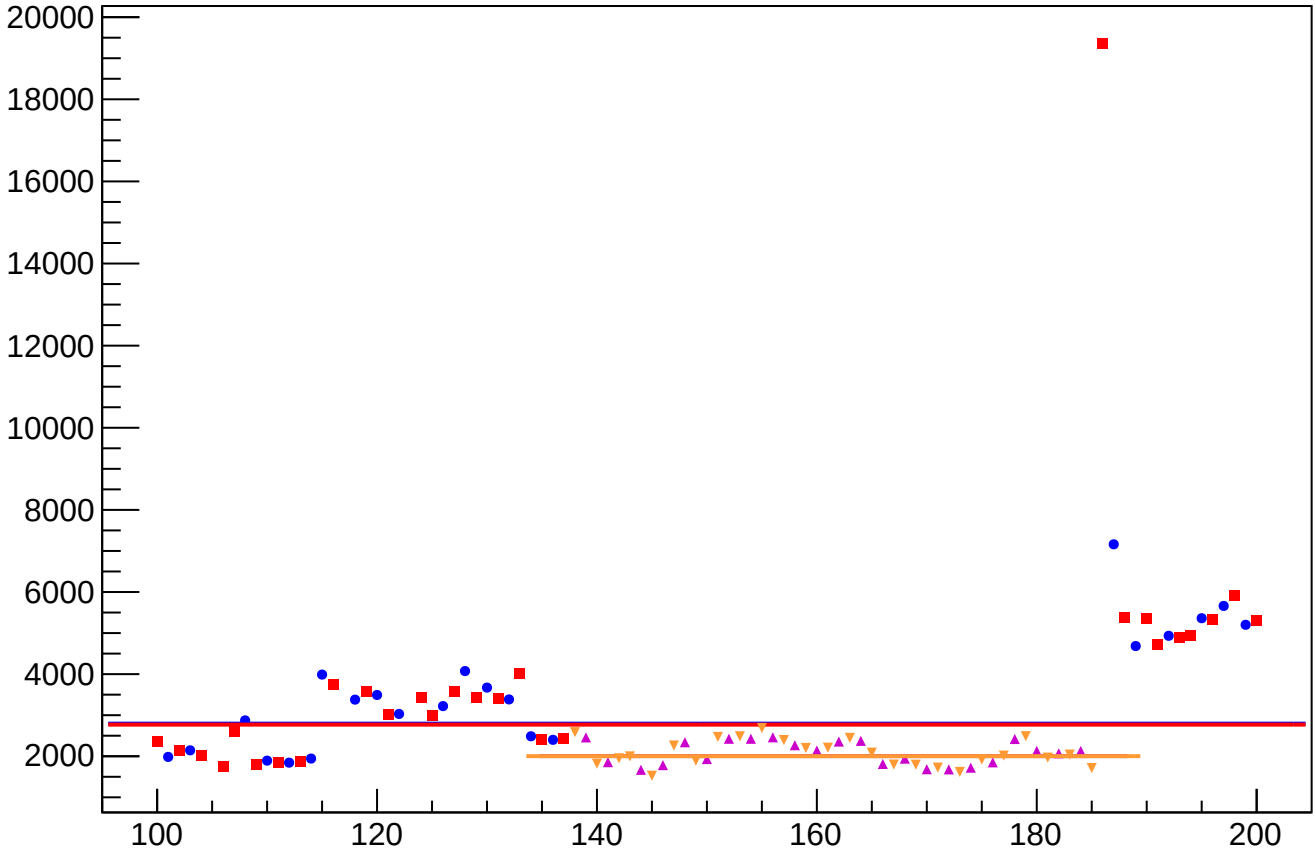
Right: 268.413+/-0.040 χ^2/NDF: 3798494.2/49

In: 264.225+/-0.035 χ^2/NDF:2074615.1/44

Out: 264.586+/-0.033 χ^2/NDF:3126636.6/52

All: 264.413+/-0.024 χ^2/NDF: 5201307.5/97


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -991.931+/-887.322 χ²/NDF: 27.2/21
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 2453.426+/-828.801 χ²/NDF: 22.0/27
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 848.100+/-605.683 χ²/NDF: 57.2/49
In: 23.792+/-418.145 χ²/NDF:52.5/44
Out: -1076.594+/-403.305 χ²/NDF:101.3/52
All: -546.274+/-290.284 χ²/NDF: 157.3/97



Right In: 2793.755+/-0.627 χ^2/NDF: 3031517.4/21

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

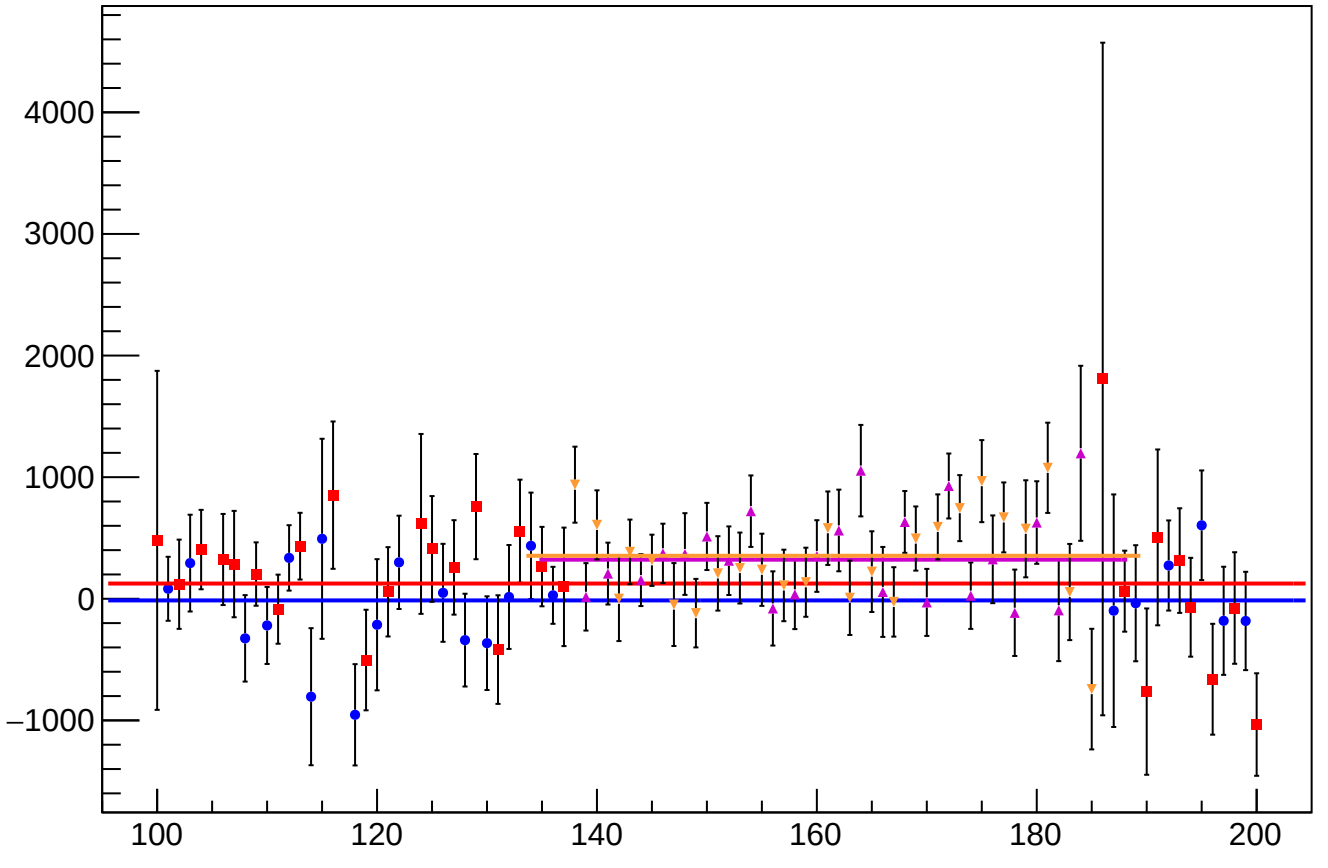
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2781.109+/-0.428 χ^2/NDF: 7726400.0/49

In: 2179.572+/-0.296 χ^2/NDF:4968191.4/44

Out: 2184.049+/-0.285 χ^2/NDF:6896983.3/52

All: 2181.891+/-0.205 χ^2/NDF: 11865293.5/9



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

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

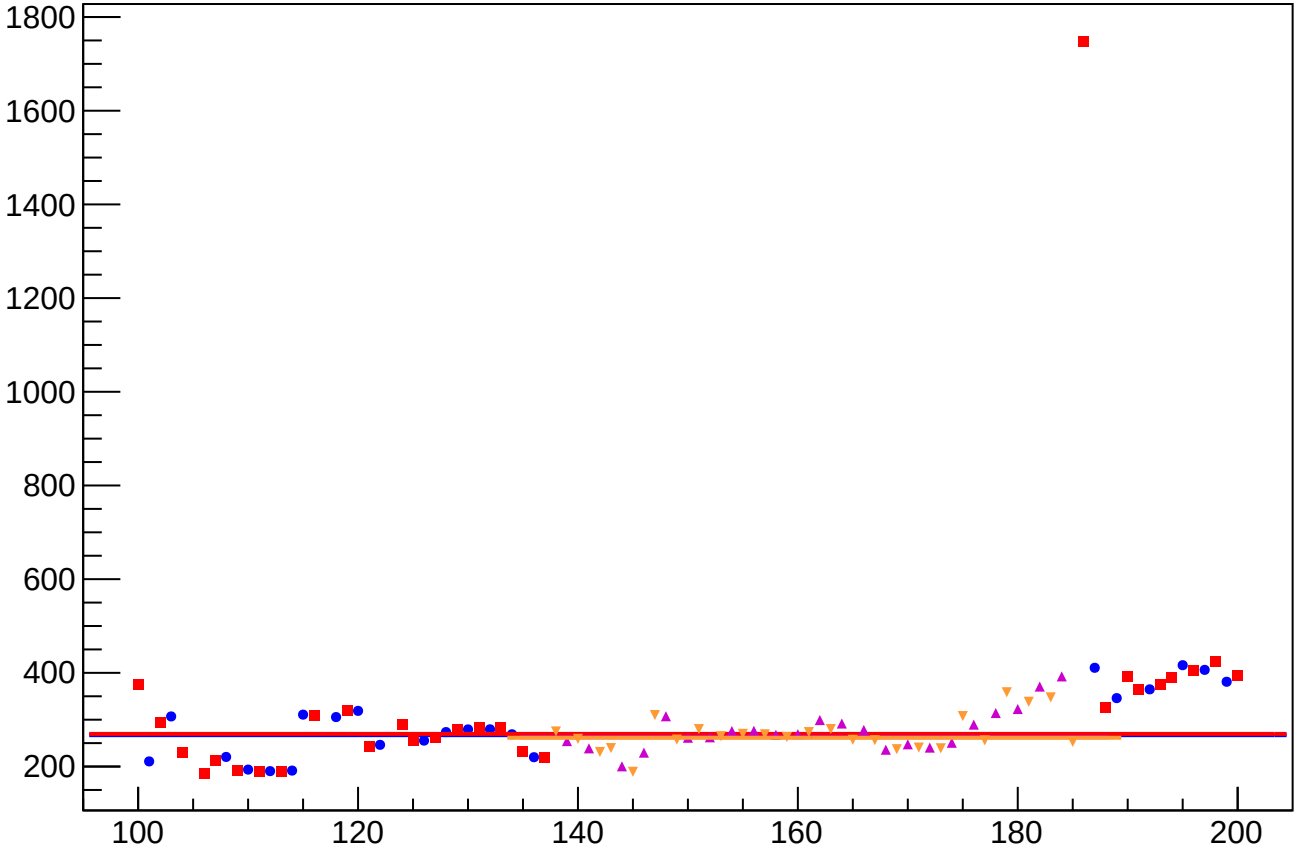
Right: 60.005+/-55.914 χ^2/NDF: 45.1/49

In: 198.398+/-49.396 χ^2/NDF:54.3/44

Out: 266.964+/-47.371 χ^2/NDF:64.0/52

All: 234.115+/-34.190 χ^2/NDF: 119.3/97

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

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

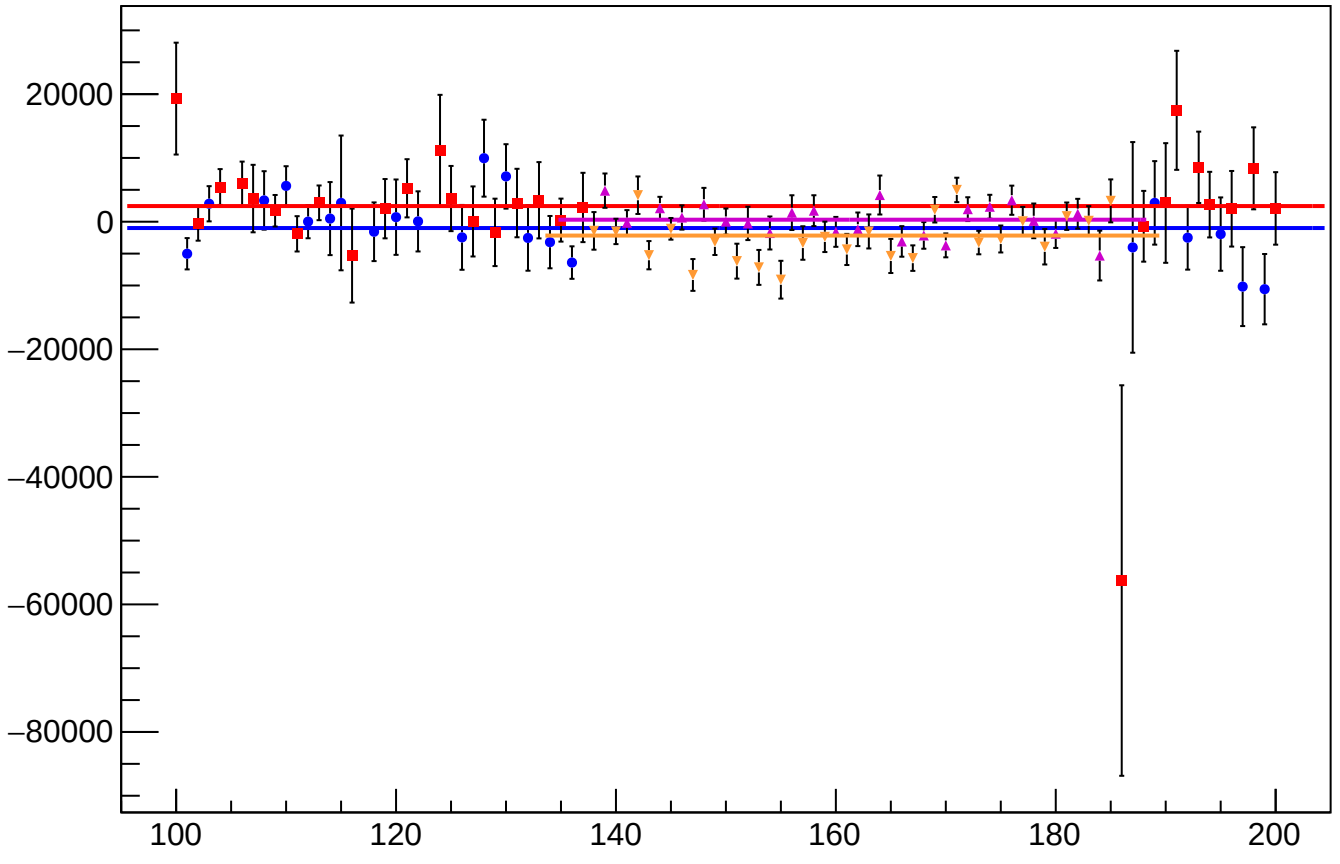
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 268.413+/-0.040 χ^2/NDF: 3798494.2/49

In: 264.225+/-0.035 χ^2/NDF:2074615.1/44

Out: 264.586+/-0.033 χ^2/NDF:3126636.6/52

All: 264.413+/-0.024 χ^2/NDF: 5201307.5/97



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

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

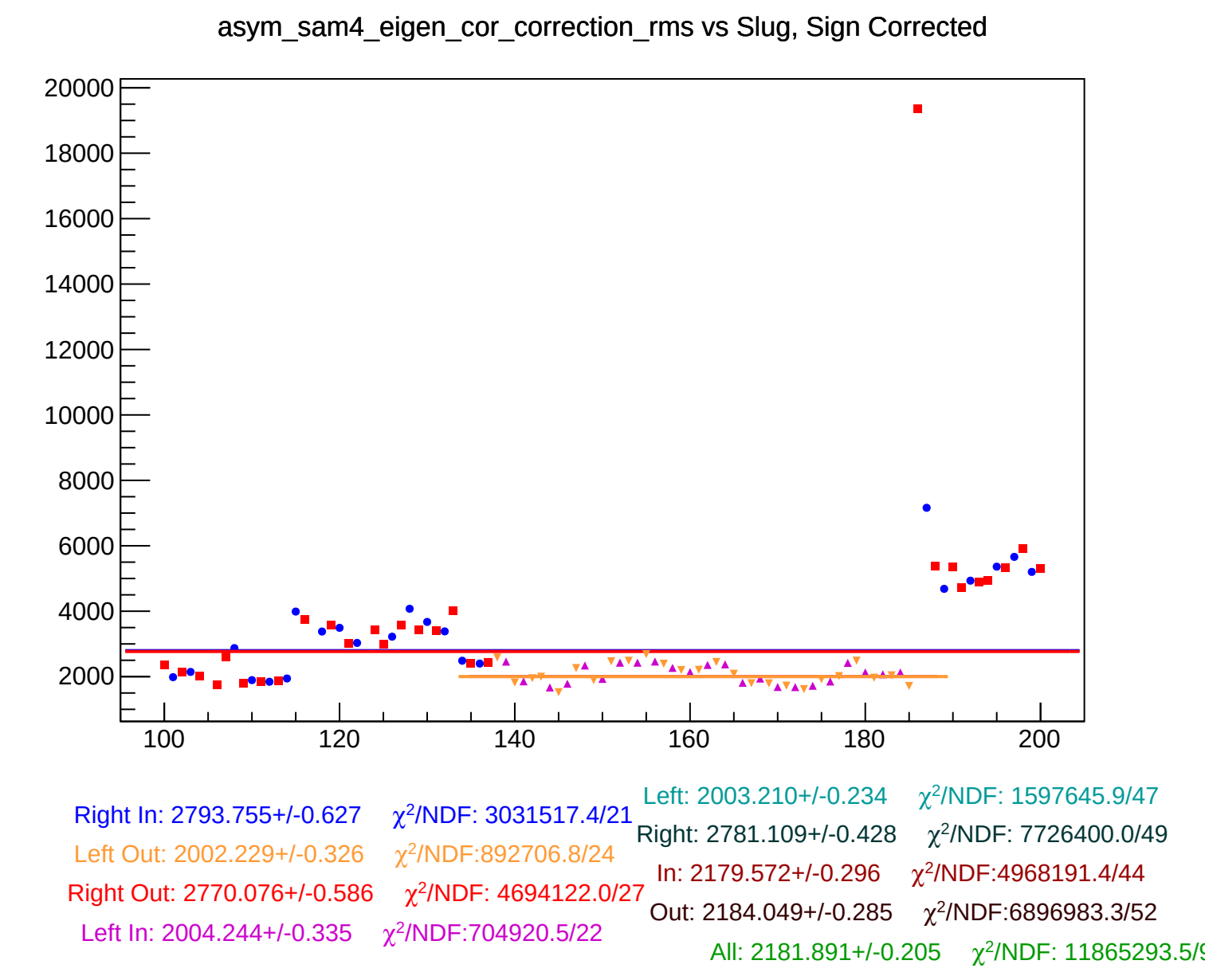
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 848.100+/-605.683 χ^2/NDF: 57.2/49

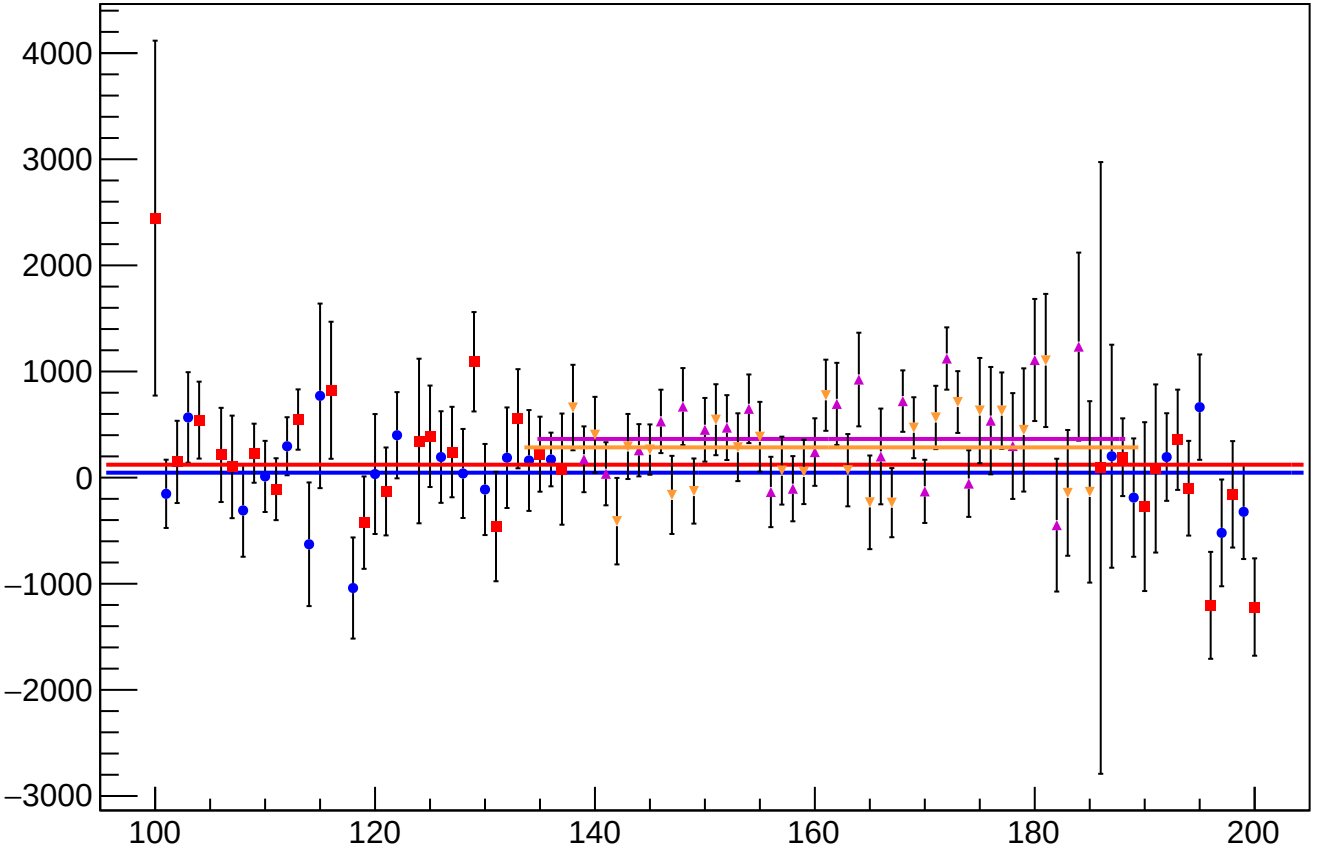
In: 23.792+/-418.145 χ^2/NDF:52.5/44

Out: -1076.594+/-403.305 χ^2/NDF:101.3/52

All: -546.274+/-290.284 χ^2/NDF: 157.3/97


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2793.755+/-0.627 χ²/NDF: 3031517.4/21
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: 2781.109+/-0.428 χ²/NDF: 7726400.0/49
In: 2179.572+/-0.296 χ²/NDF:4968191.4/44
Out: 2184.049+/-0.285 χ²/NDF:6896983.3/52
All: 2181.891+/-0.205 χ²/NDF: 11865293.5/9

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 46.445+/-89.581 χ^2/NDF: 15.8/21

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

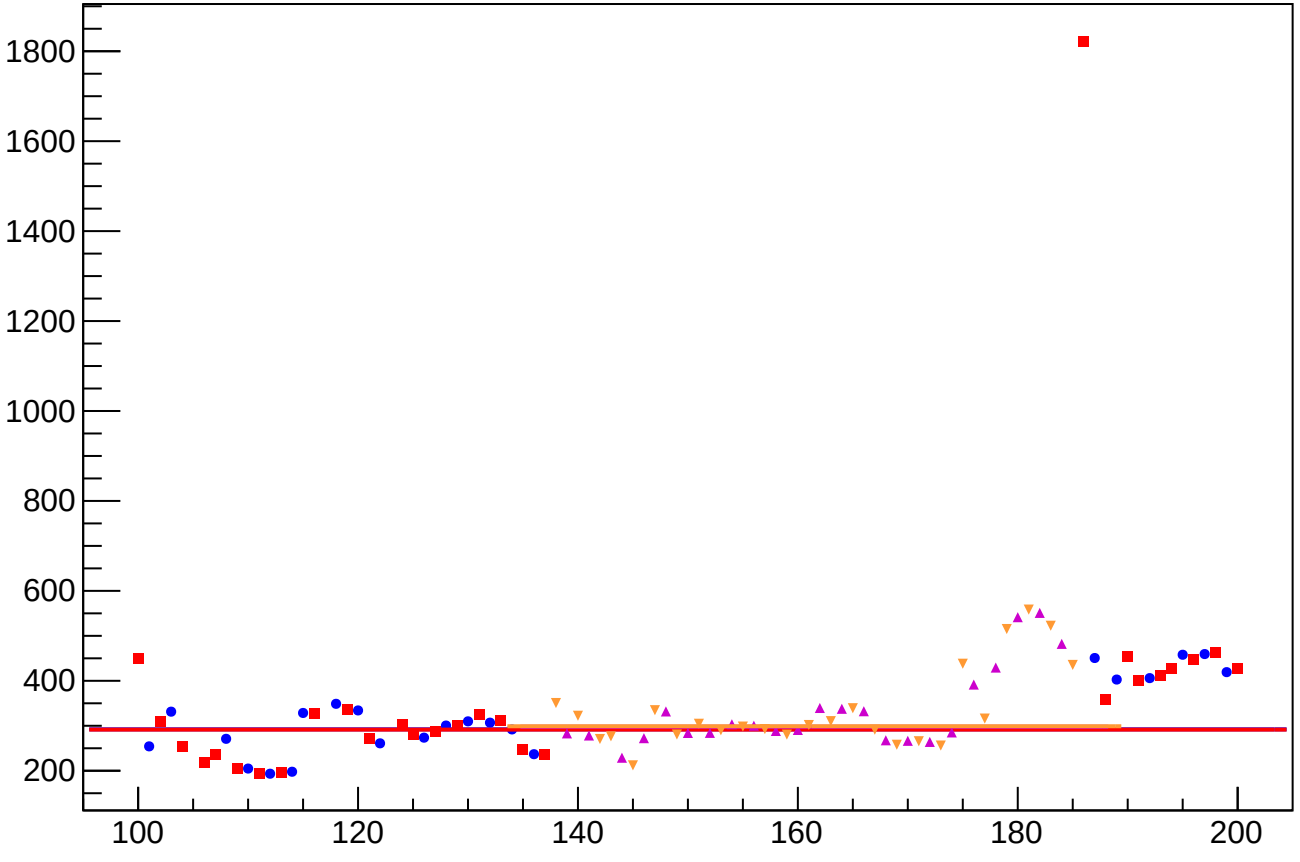
Right: 86.752+/-61.063 χ^2/NDF: 49.2/49

In: 240.072+/-55.984 χ^2/NDF:51.7/44

Out: 217.484+/-53.649 χ^2/NDF:58.1/52

All: 228.297+/-38.735 χ^2/NDF: 109.9/97

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 292.069+/-0.063 χ^2/NDF: 1542865.6/21

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

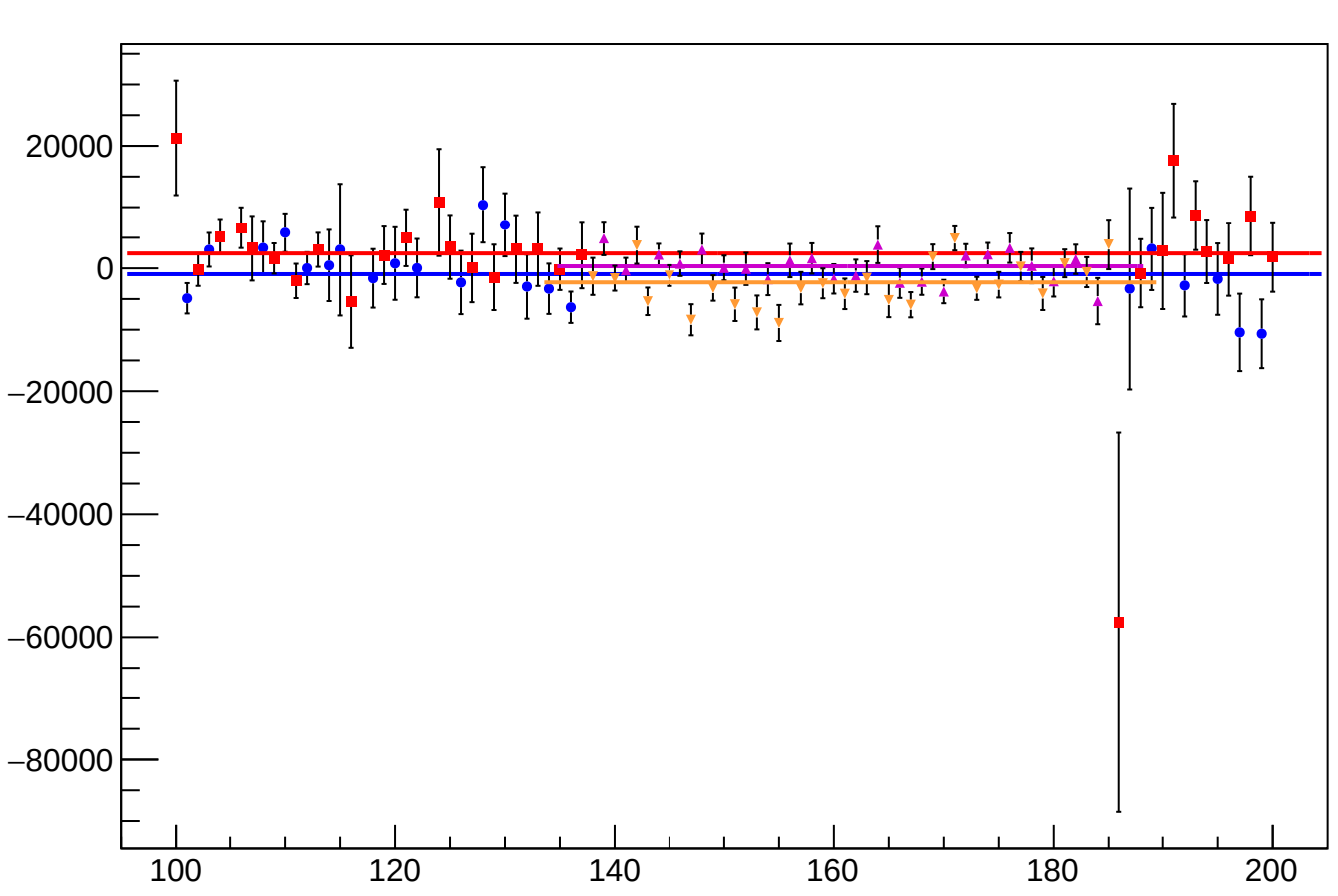
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 291.756+/-0.043 χ^2/NDF: 4083267.0/49

In: 295.613+/-0.040 χ^2/NDF:2867066.2/44

Out: 295.858+/-0.038 χ^2/NDF:4162793.7/52

All: 295.741+/-0.027 χ^2/NDF: 7029879.8/97



Right In: -950.591+/-895.302 χ^2/NDF: 27.3/21

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

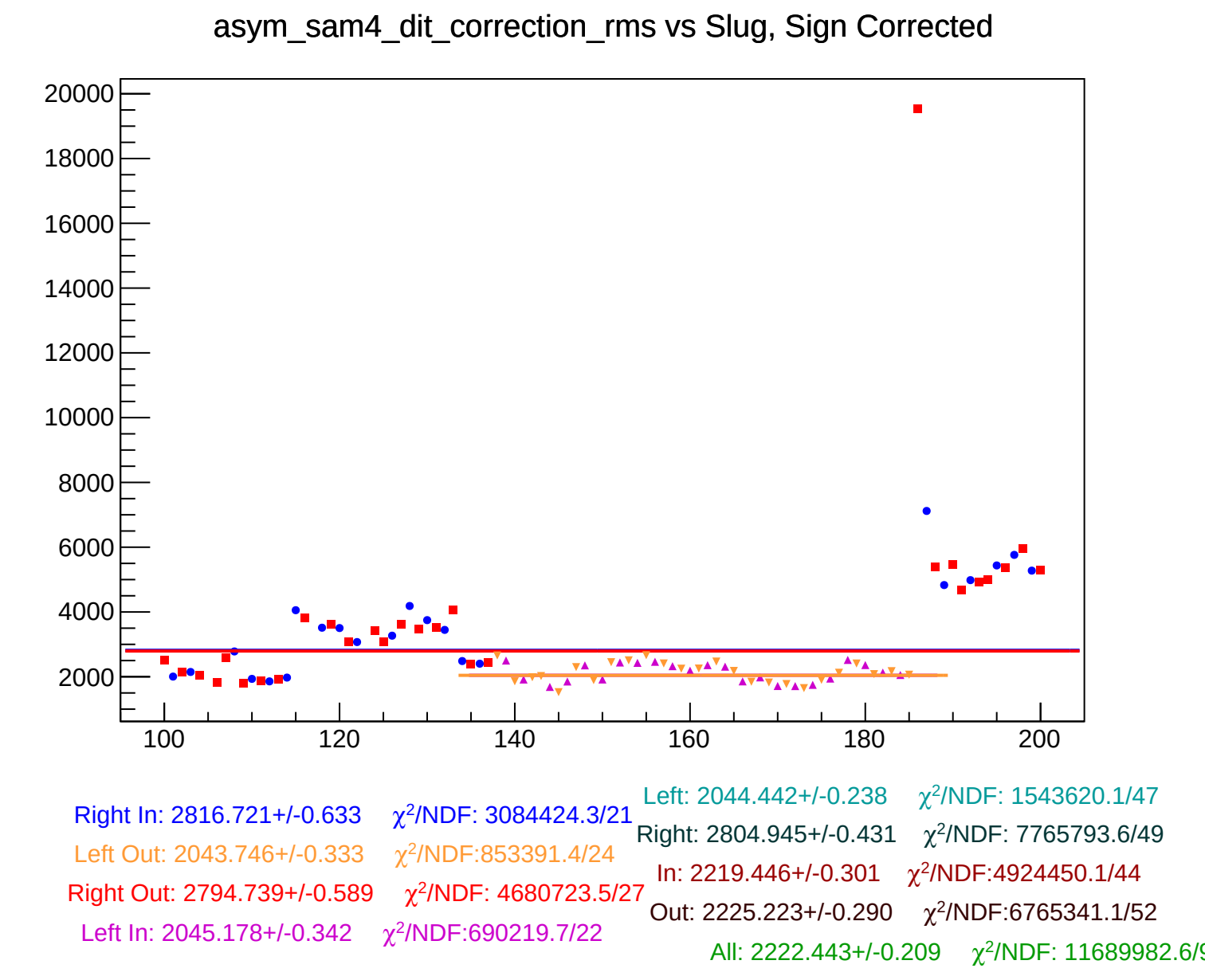
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 863.689+/-610.062 χ^2/NDF: 58.0/49

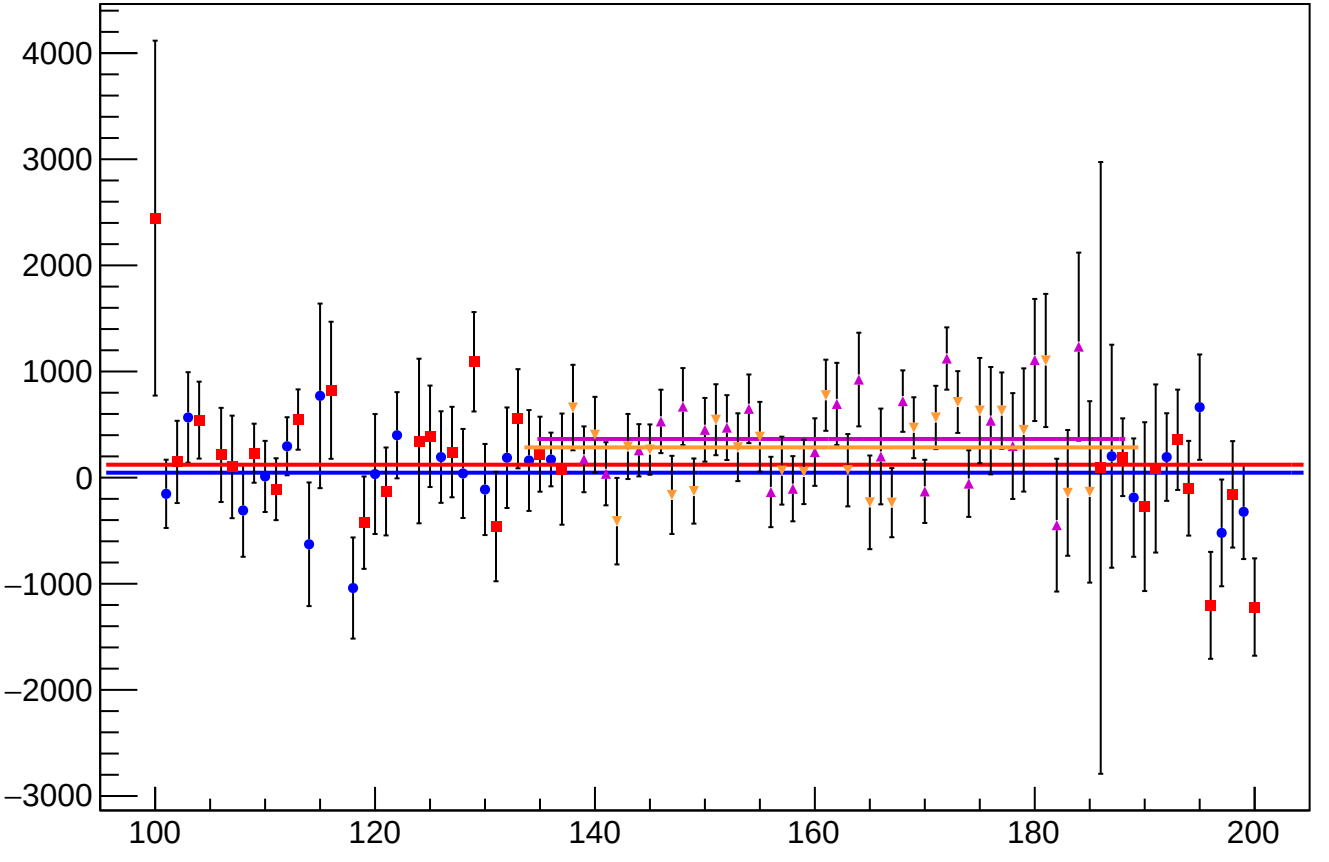
In: 50.515+/-425.498 χ^2/NDF:51.8/44

Out: -1148.660+/-409.742 χ^2/NDF:99.1/52

All: -571.686+/-295.145 χ^2/NDF: 155.0/97


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2816.721+/-0.633 χ²/NDF: 3084424.3/21
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: 2804.945+/-0.431 χ²/NDF: 7765793.6/49
In: 2219.446+/-0.301 χ²/NDF:4924450.1/44
Out: 2225.223+/-0.290 χ²/NDF:6765341.1/52
All: 2222.443+/-0.209 χ²/NDF: 11689982.6/9

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 46.450+/-89.581 χ^2/NDF: 15.8/21

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

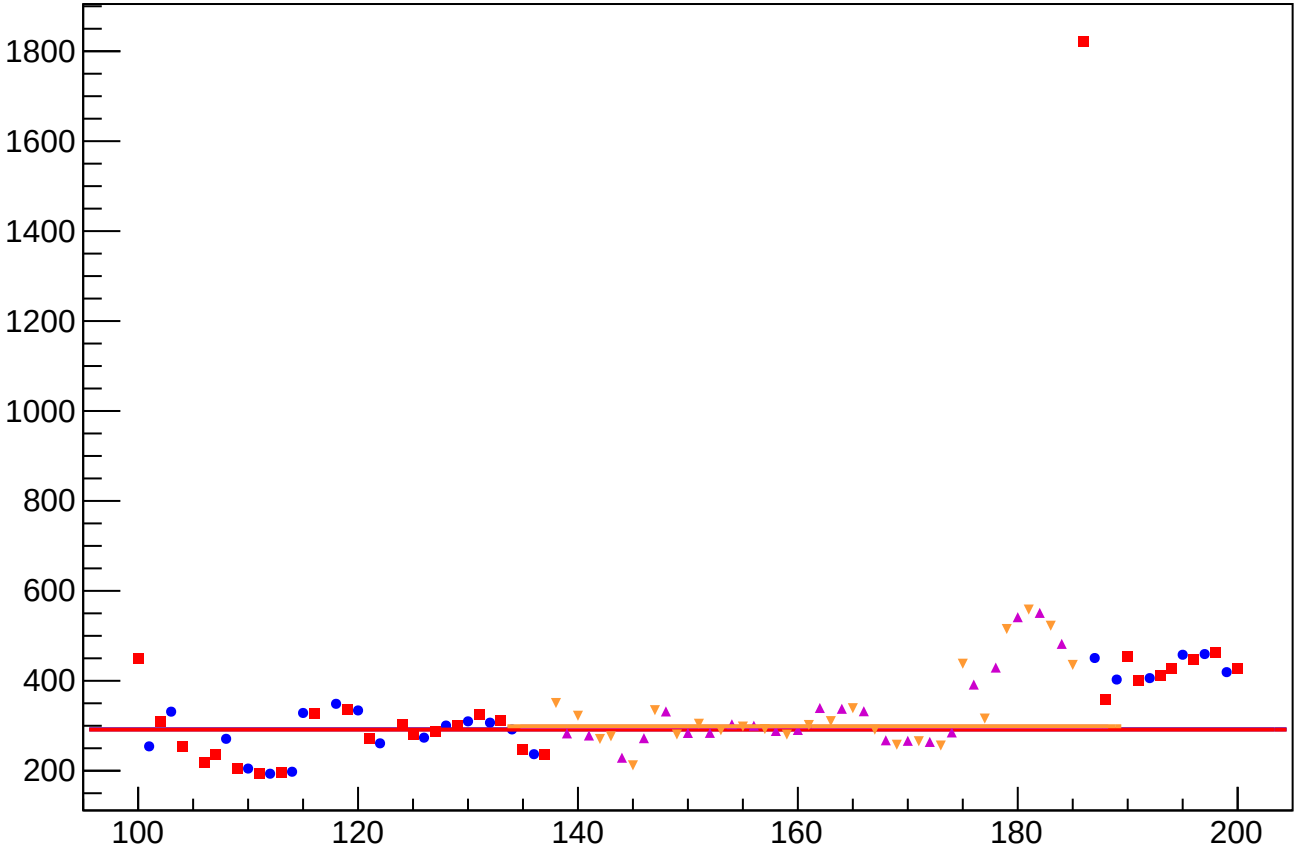
Right: 86.753+/-61.063 χ^2/NDF: 49.2/49

In: 240.074+/-55.984 χ^2/NDF:51.7/44

Out: 217.487+/-53.649 χ^2/NDF:58.1/52

All: 228.300+/-38.735 χ^2/NDF: 109.9/97

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 292.069+/-0.063 χ^2/NDF: 1542858.5/21

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

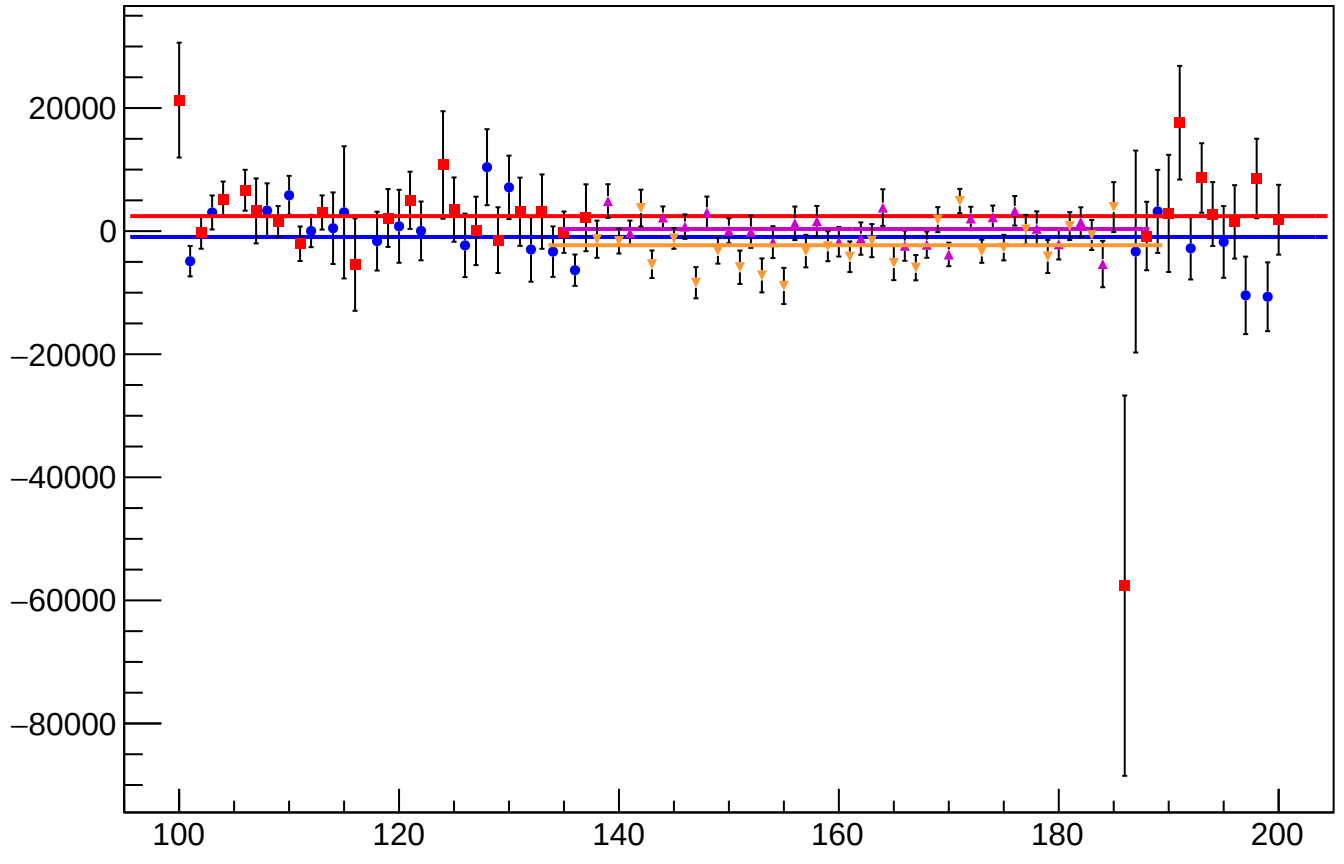
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 291.756+/-0.043 χ^2/NDF: 4083261.6/49

In: 295.614+/-0.040 χ^2/NDF:2867041.3/44

Out: 295.858+/-0.038 χ^2/NDF:4162793.4/52

All: 295.741+/-0.027 χ^2/NDF: 7029854.6/97



Right In: -950.589+/-895.302 χ^2/NDF: 27.3/21

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

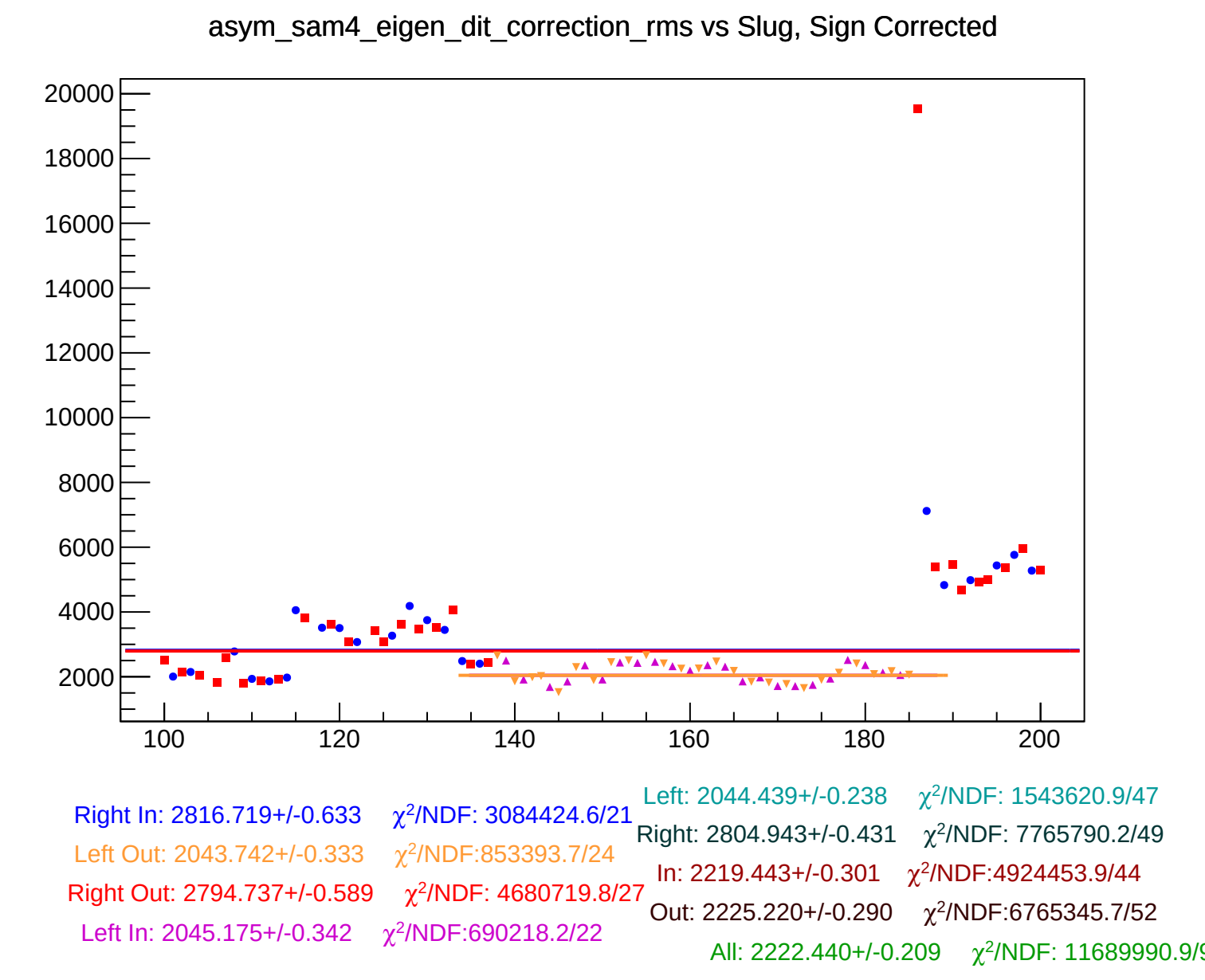
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 863.689+/-610.061 χ^2/NDF: 58.0/49

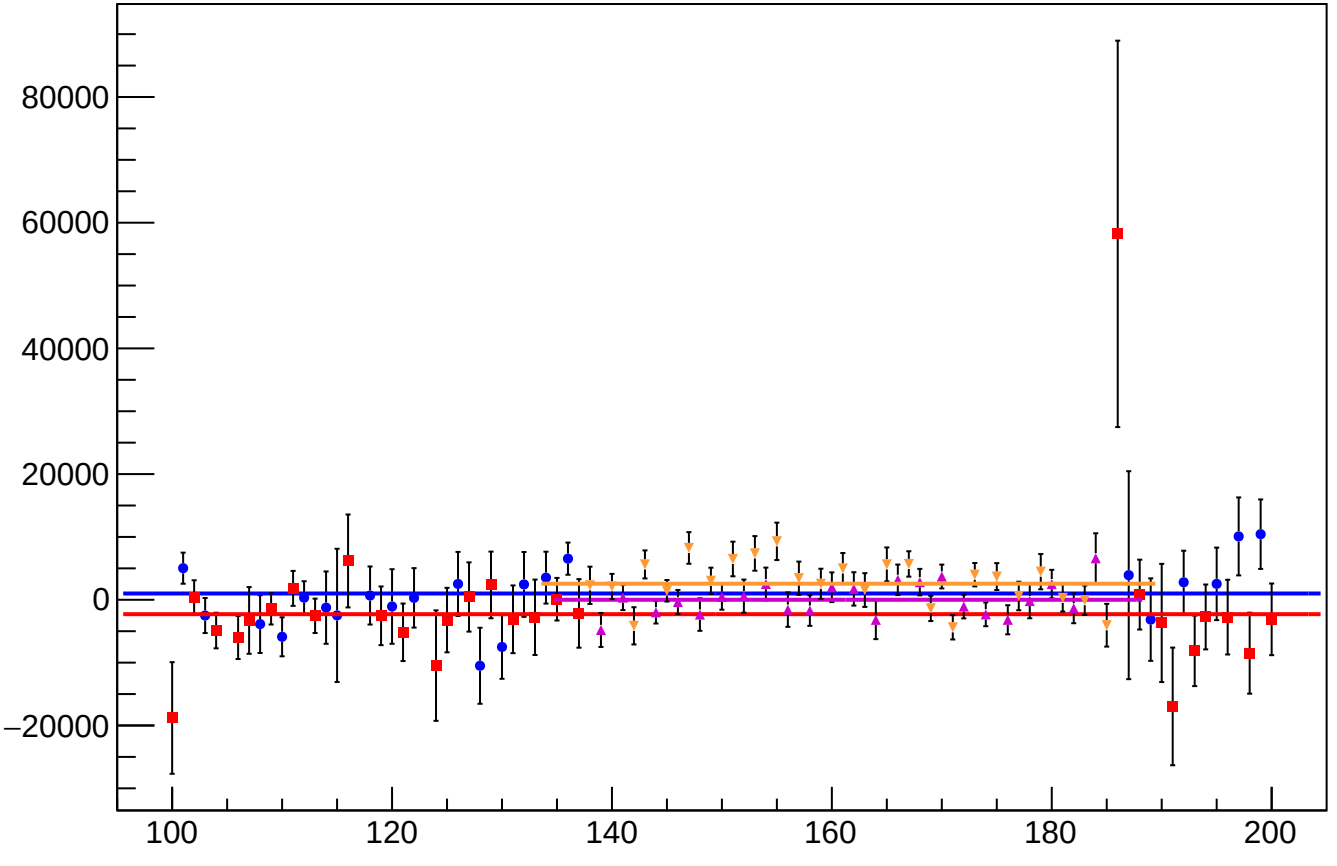
In: 50.514+/-425.498 χ^2/NDF:51.8/44

Out: -1148.658+/-409.742 χ^2/NDF:99.1/52

All: -571.686+/-295.144 χ^2/NDF: 155.0/97


asym_sam4_eigen_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2816.719+/-0.633 χ²/NDF: 3084424.6/21
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: 2804.943+/-0.431 χ²/NDF: 7765790.2/49
In: 2219.443+/-0.301 χ²/NDF:4924453.9/44
Out: 2225.220+/-0.290 χ²/NDF:6765345.7/52
All: 2222.440+/-0.209 χ²/NDF: 11689990.9/9

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1000.220+/-891.973 χ^2/NDF: 28.1/21

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

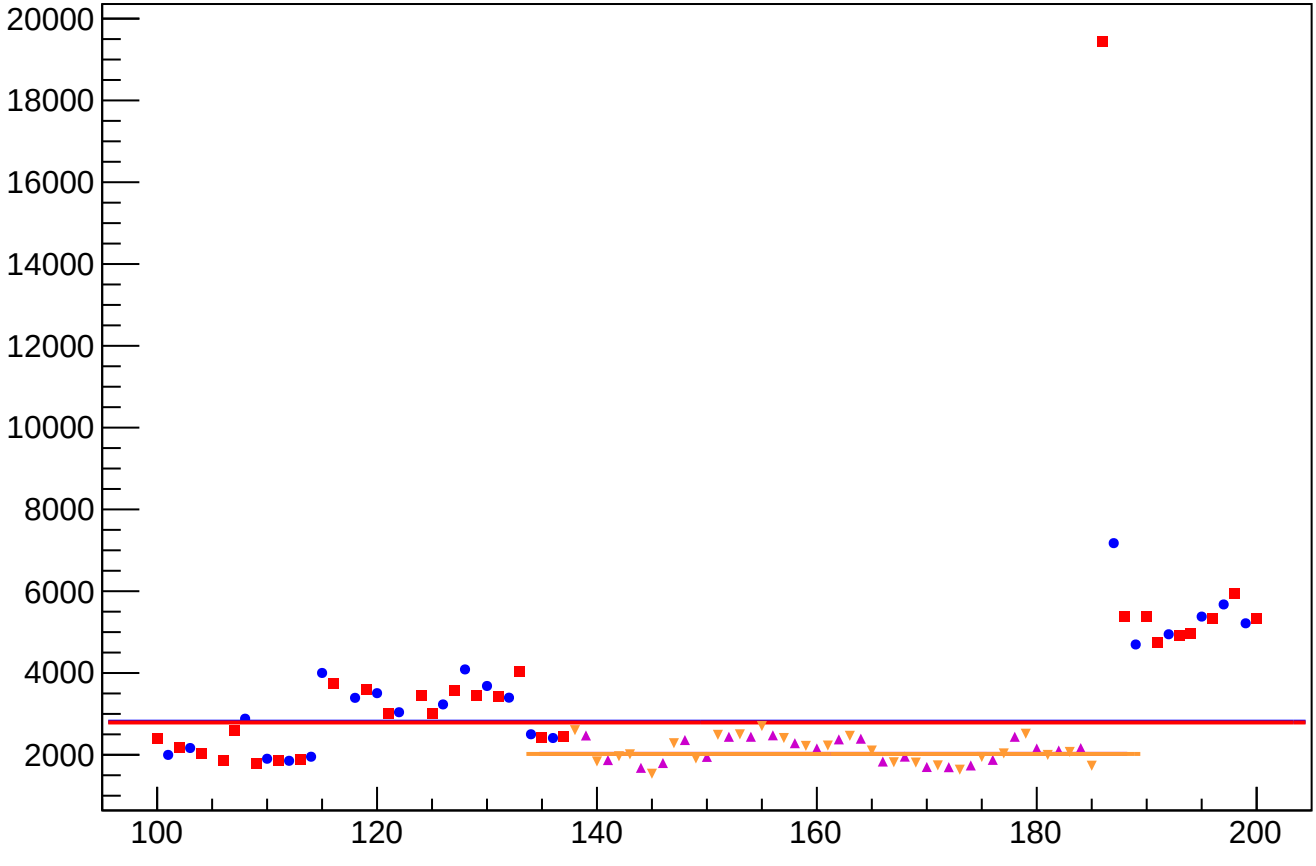
Right: -758.847+/-608.482 χ^2/NDF: 57.1/49

In: 226.227+/-421.668 χ^2/NDF:53.7/44

Out: 1401.714+/-406.555 χ^2/NDF:100.2/52

All: 835.413+/-292.675 χ^2/NDF: 158.0/97

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2809.937+/-0.631 χ^2/NDF: 3010674.6/21

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

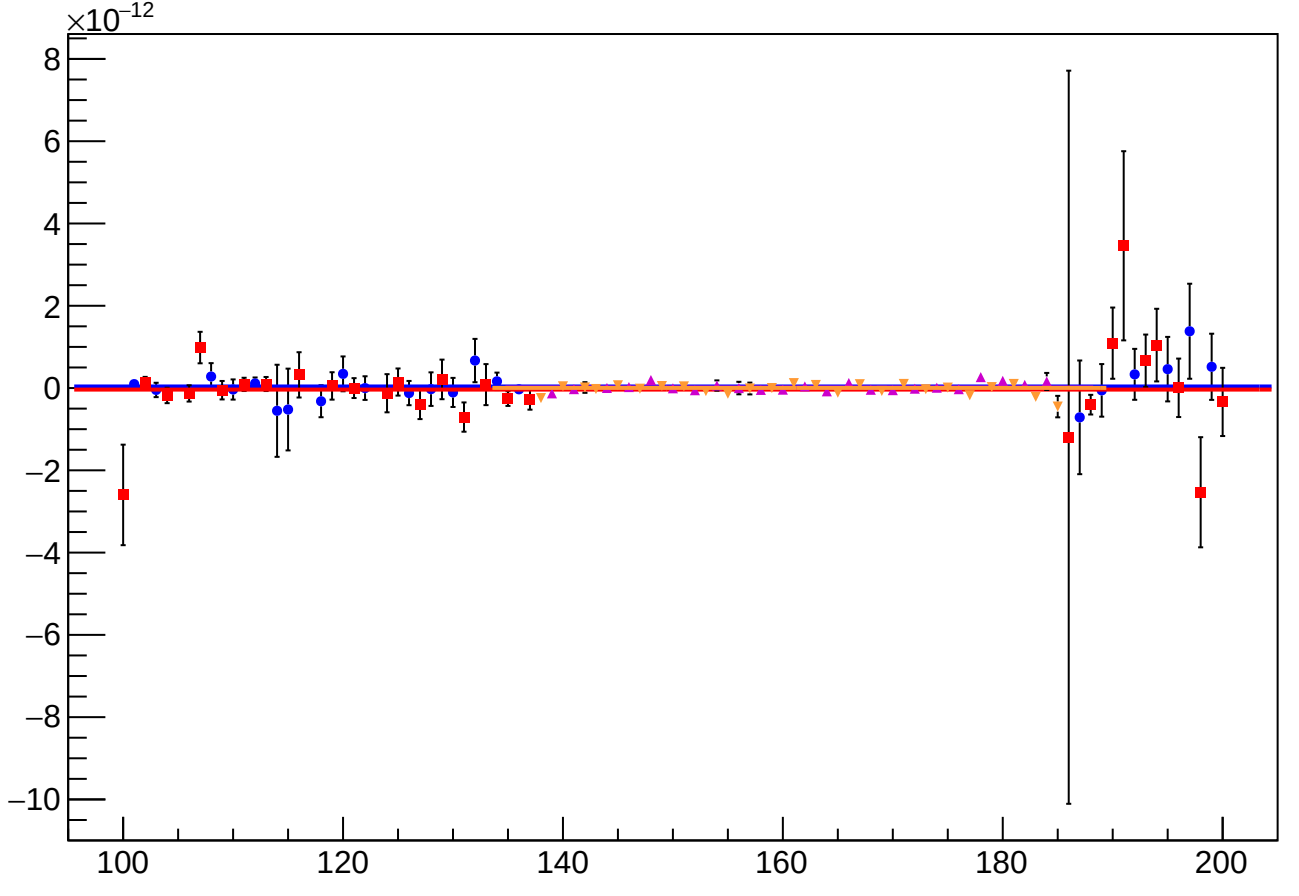
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2799.551+/-0.430 χ^2/NDF: 7648845.7/49

In: 2199.085+/-0.298 χ^2/NDF:4914671.8/44

Out: 2204.864+/-0.287 χ^2/NDF:6820089.6/52

All: 2202.080+/-0.207 χ^2/NDF: 11734956.2/9



Right In: 0.000+/-0.000 χ^2/NDF: 8.7/21

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

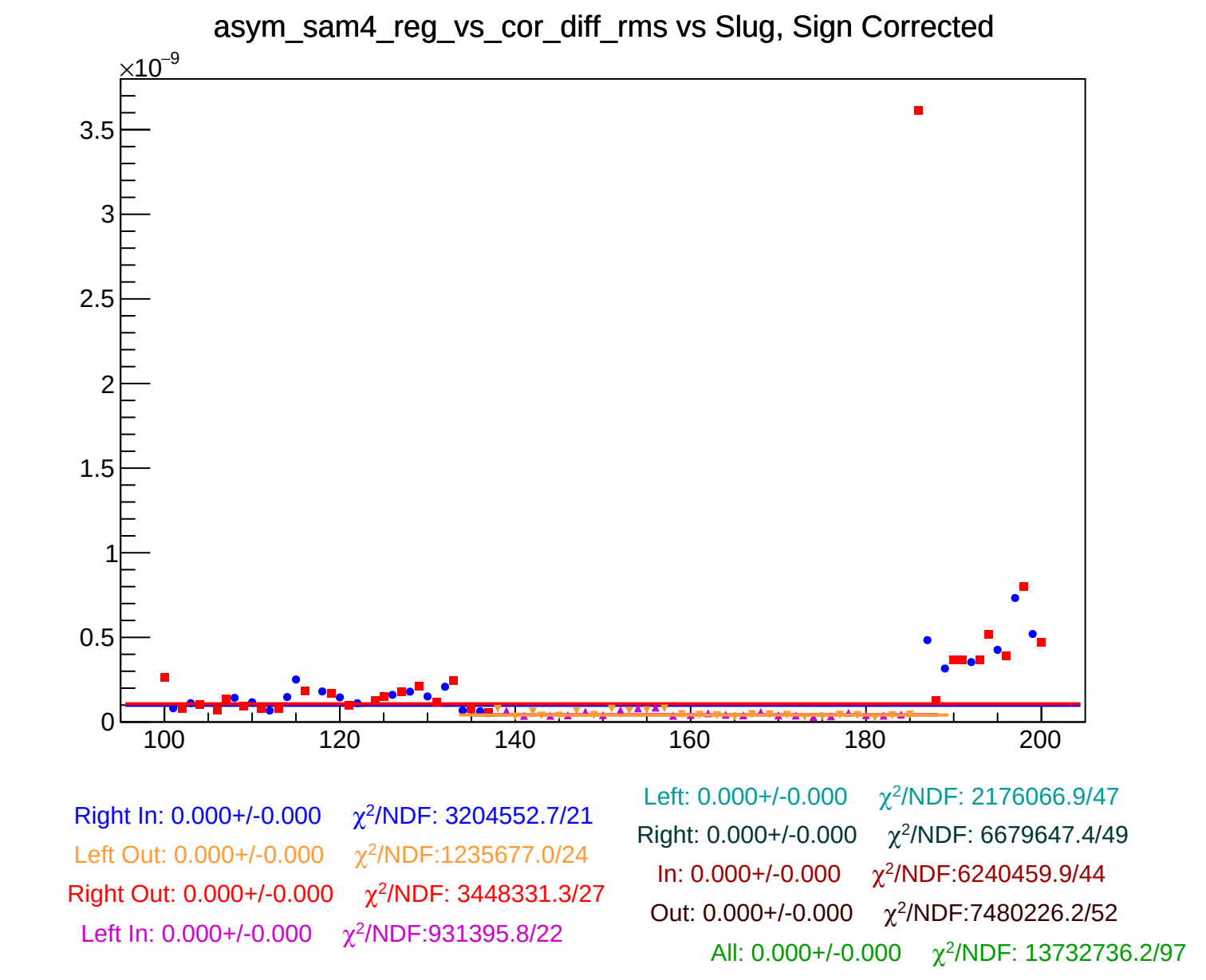
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

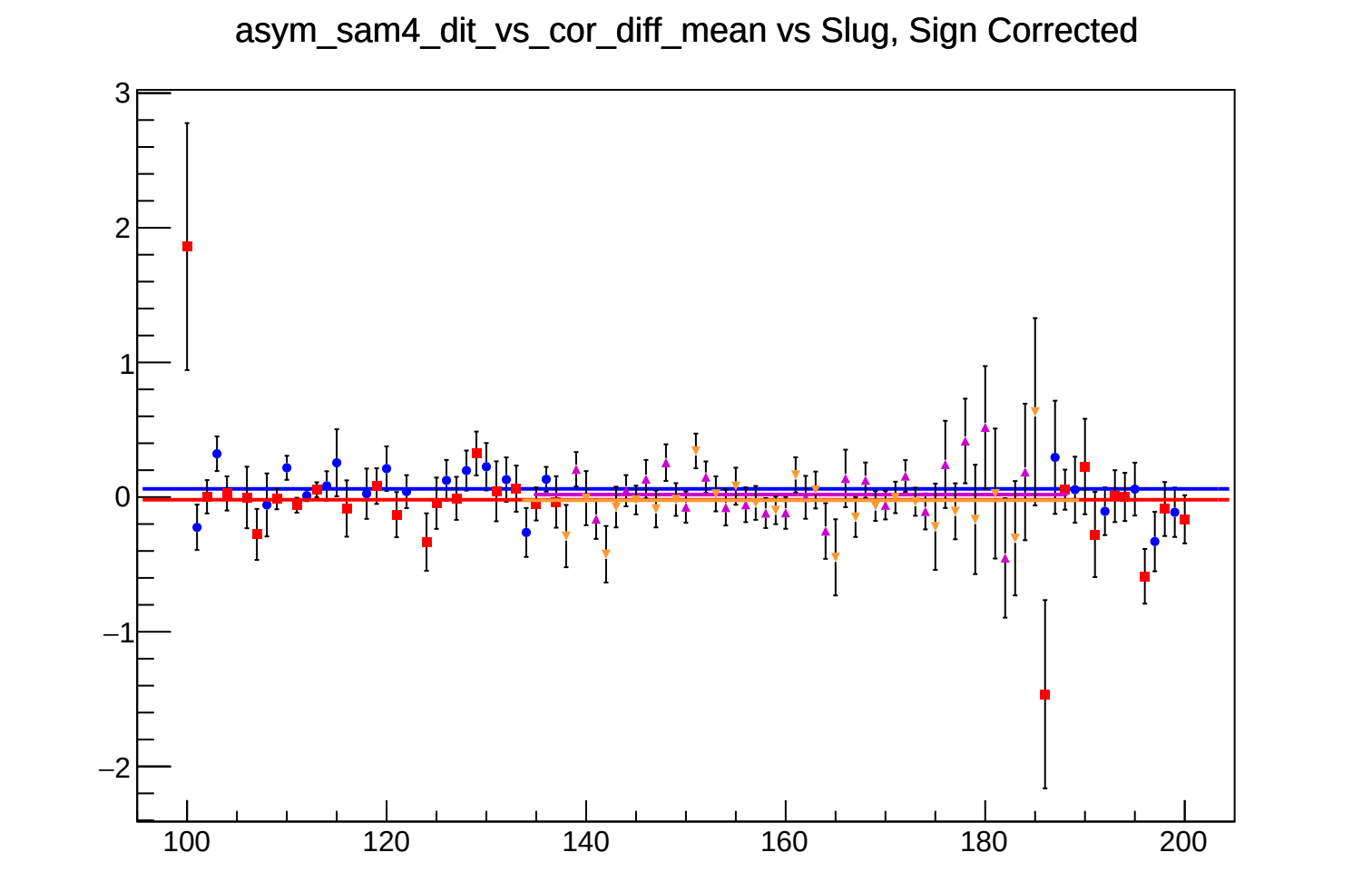
Right: 0.000+/-0.000 χ^2/NDF: 45.6/49

In: 0.000+/-0.000 χ^2/NDF:29.8/44

Out: 0.000+/-0.000 χ^2/NDF:68.5/52

All: 0.000+/-0.000 χ^2/NDF: 98.7/97


asym_sam4_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
3.5
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3204552.7/21
Left Out: 0.000+/-0.000 χ²/NDF:1235677.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3448331.3/27
Left In: 0.000+/-0.000 χ²/NDF:931395.8/22
Left: 0.000+/-0.000 χ²/NDF: 2176066.9/47
Right: 0.000+/-0.000 χ²/NDF: 6679647.4/49
In: 0.000+/-0.000 χ²/NDF:6240459.9/44
Out: 0.000+/-0.000 χ²/NDF:7480226.2/52
All: 0.000+/-0.000 χ²/NDF: 13732736.2/97



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

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

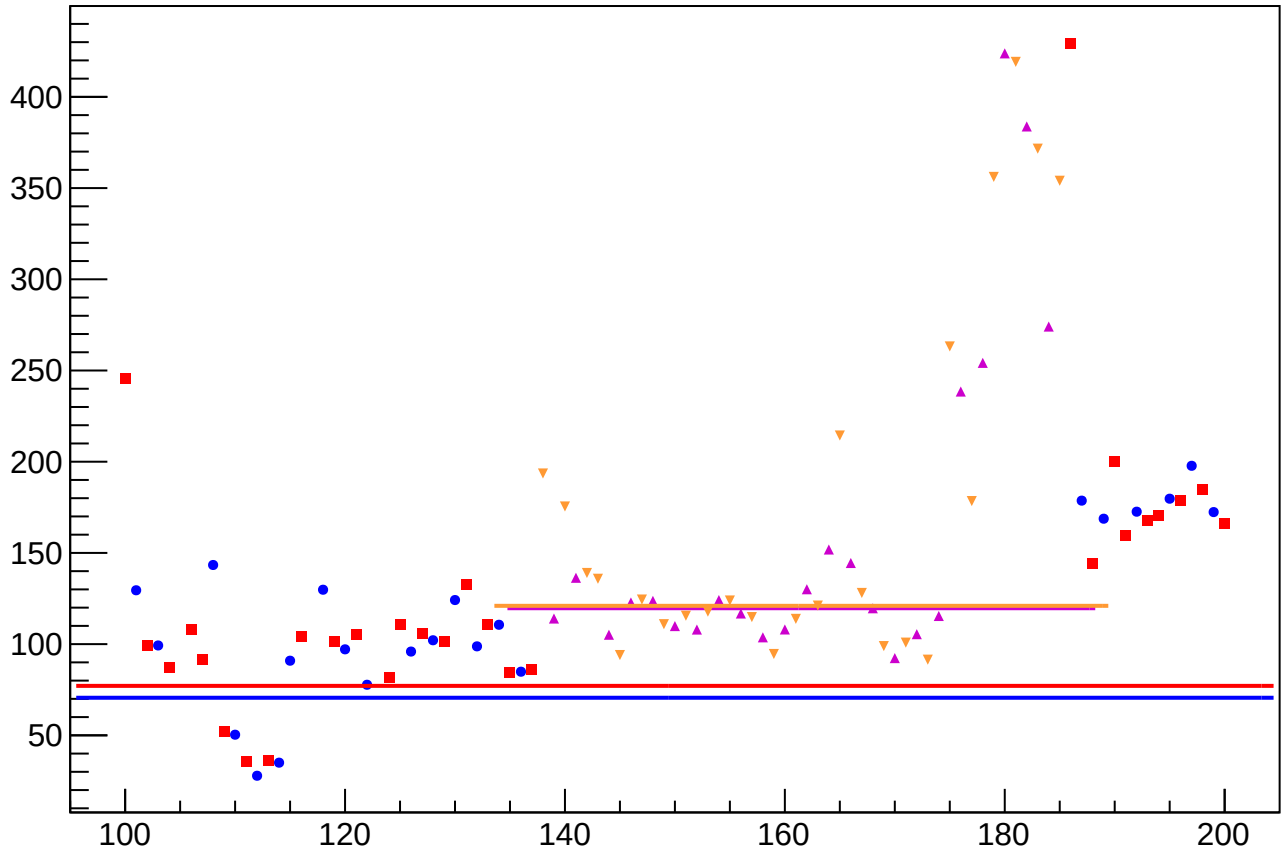
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.020+/-0.018 χ^2/NDF: 60.5/49

In: 0.043+/-0.020 χ^2/NDF:48.6/44

Out: -0.021+/-0.019 χ^2/NDF:53.2/52

All: 0.010+/-0.014 χ^2/NDF: 107.3/97



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

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

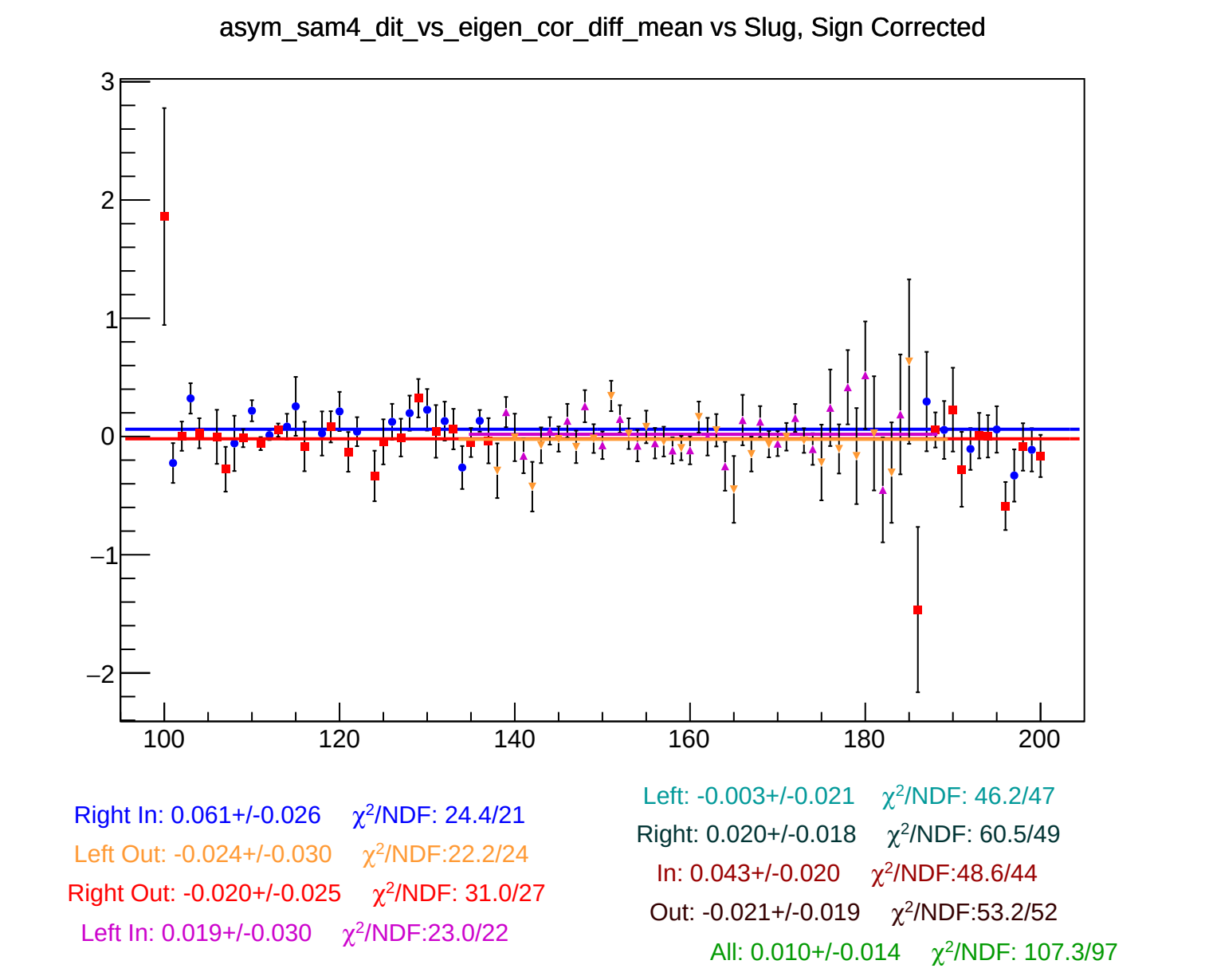
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 73.957+/-0.013 χ^2/NDF: 13921408.1/49

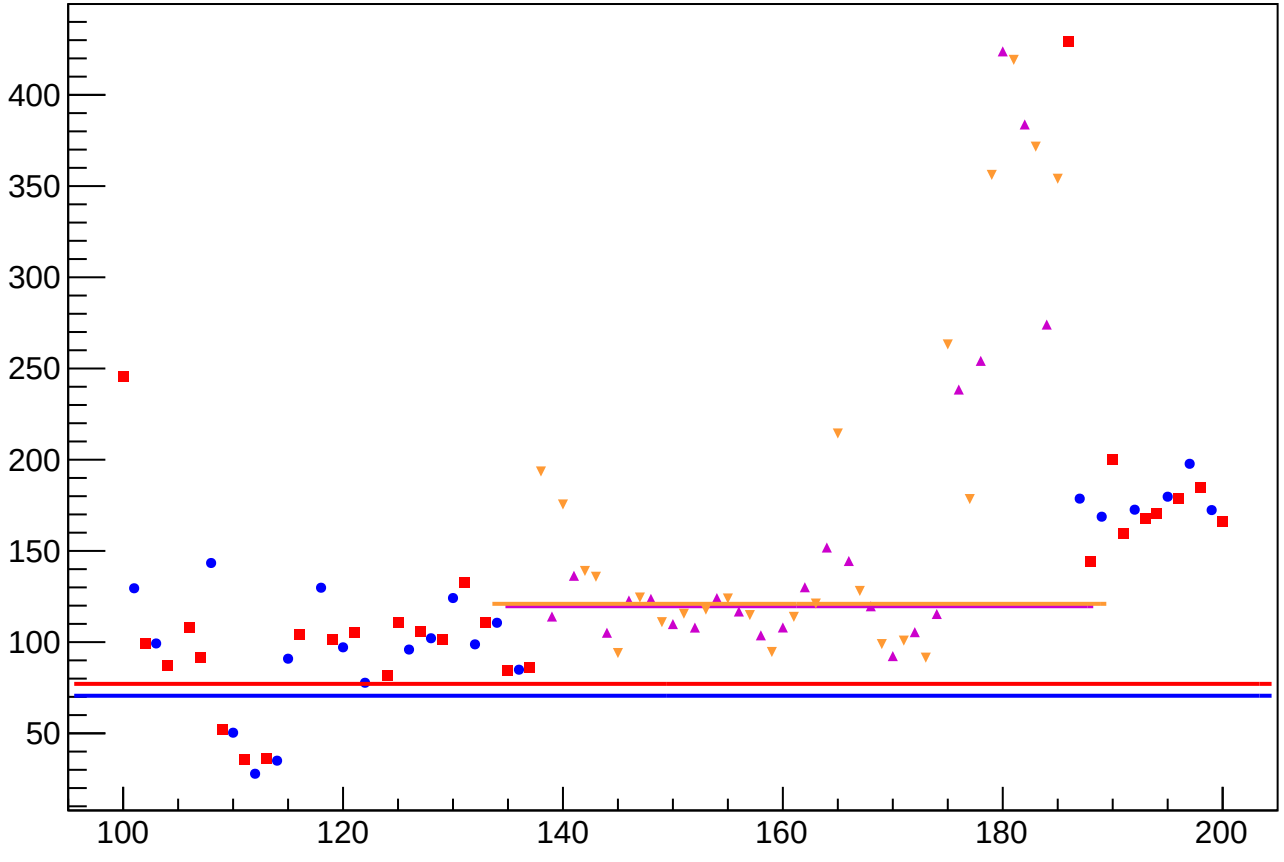
In: 91.299+/-0.014 χ^2/NDF:12728484.7/44

Out: 95.217+/-0.014 χ^2/NDF:13640493.7/52

All: 93.301+/-0.010 χ^2/NDF: 26409677.9/97


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.061+/-0.026 χ²/NDF: 24.4/21
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: 0.020+/-0.018 χ²/NDF: 60.5/49
In: 0.043+/-0.020 χ²/NDF:48.6/44
Out: -0.021+/-0.019 χ²/NDF:53.2/52
All: 0.010+/-0.014 χ²/NDF: 107.3/97

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

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

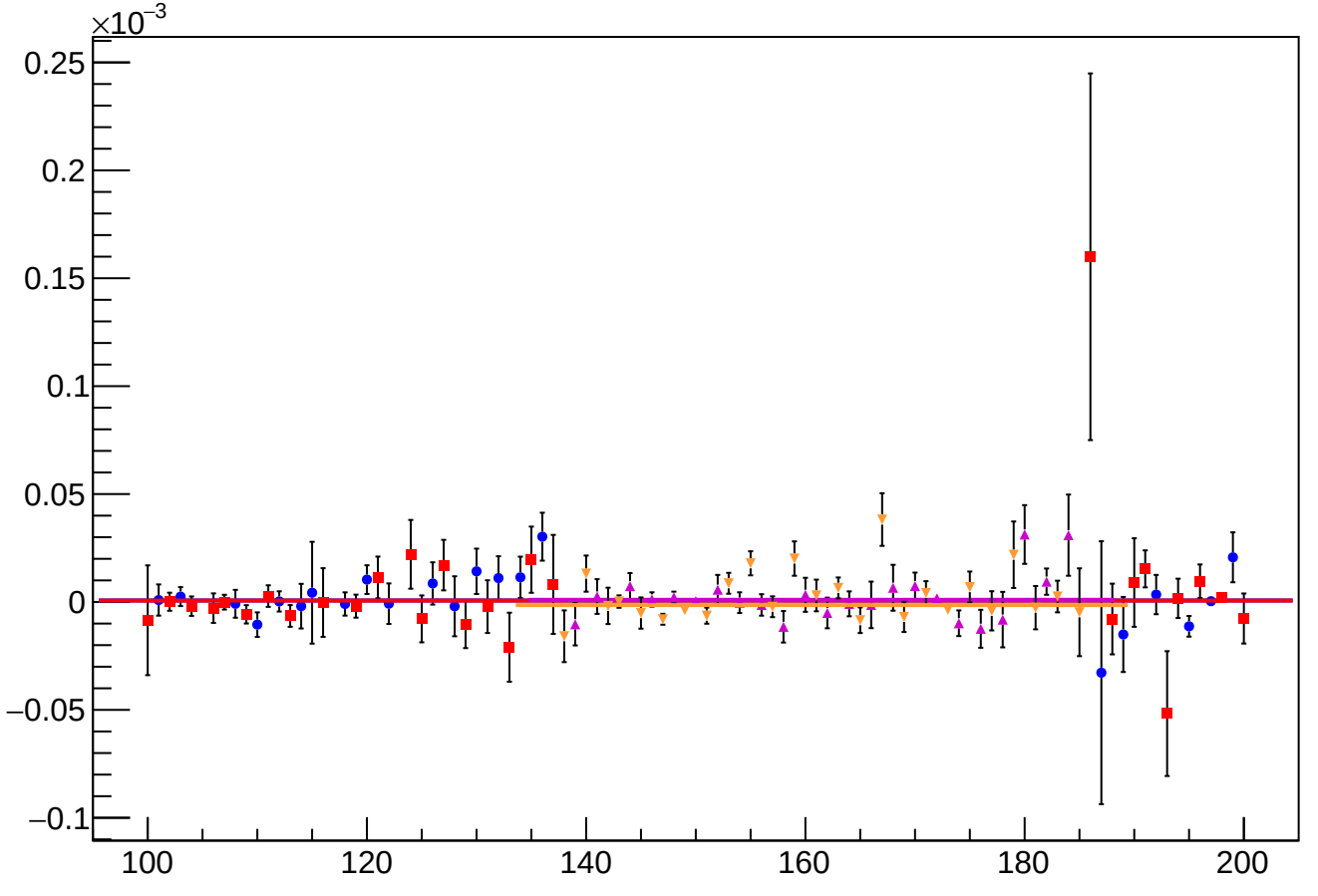
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 73.957+/-0.013 χ^2/NDF: 13921408.1/49

In: 91.299+/-0.014 χ^2/NDF:12728484.7/44

Out: 95.217+/-0.014 χ^2/NDF:13640493.7/52

All: 93.301+/-0.010 χ^2/NDF: 26409677.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/21

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

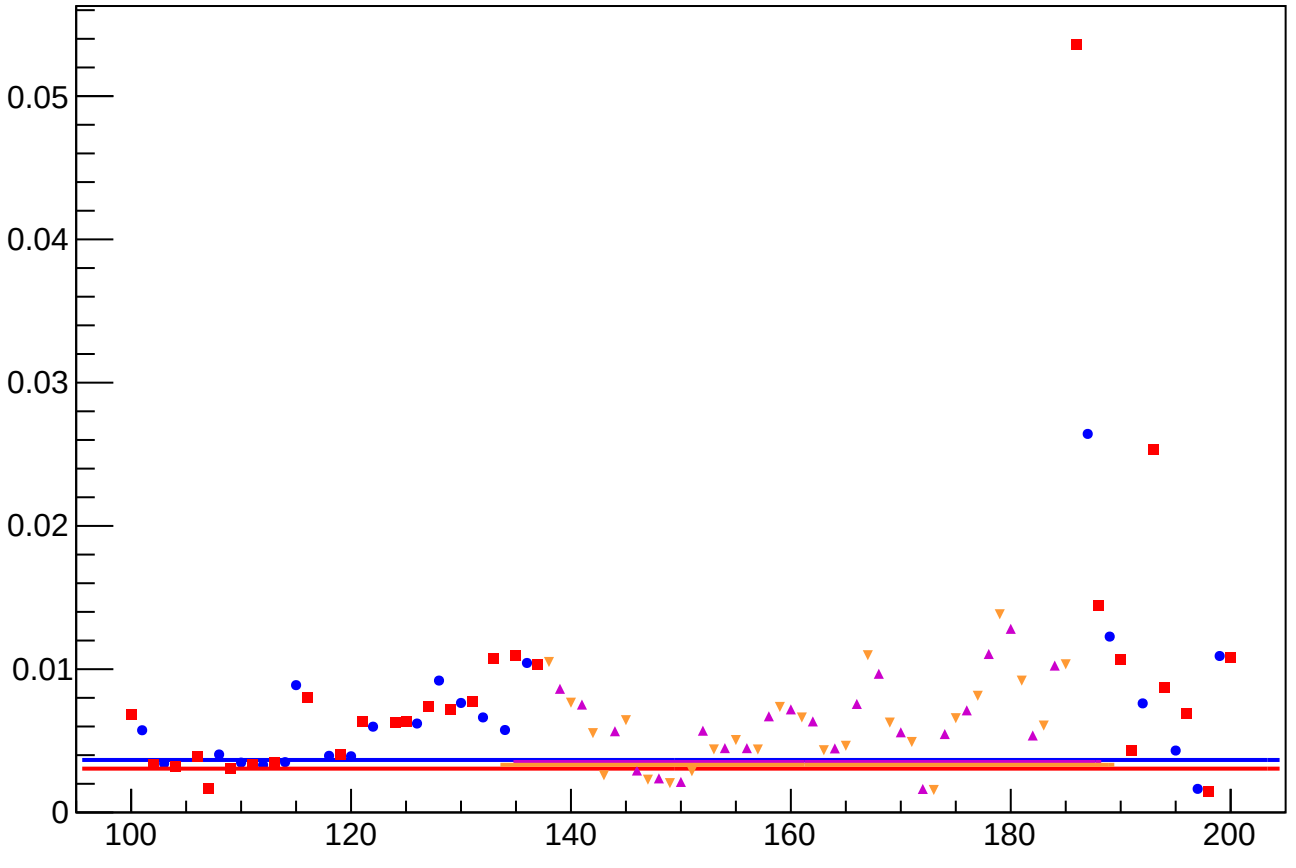
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 57.1/49

In: 0.000+/-0.000 χ^2/NDF:53.1/44

Out: -0.000+/-0.000 χ^2/NDF:91.1/52

All: 0.000+/-0.000 χ^2/NDF: 146.2/97



Right In: 0.004+/-0.000 χ^2/NDF: 5868564.7/21

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

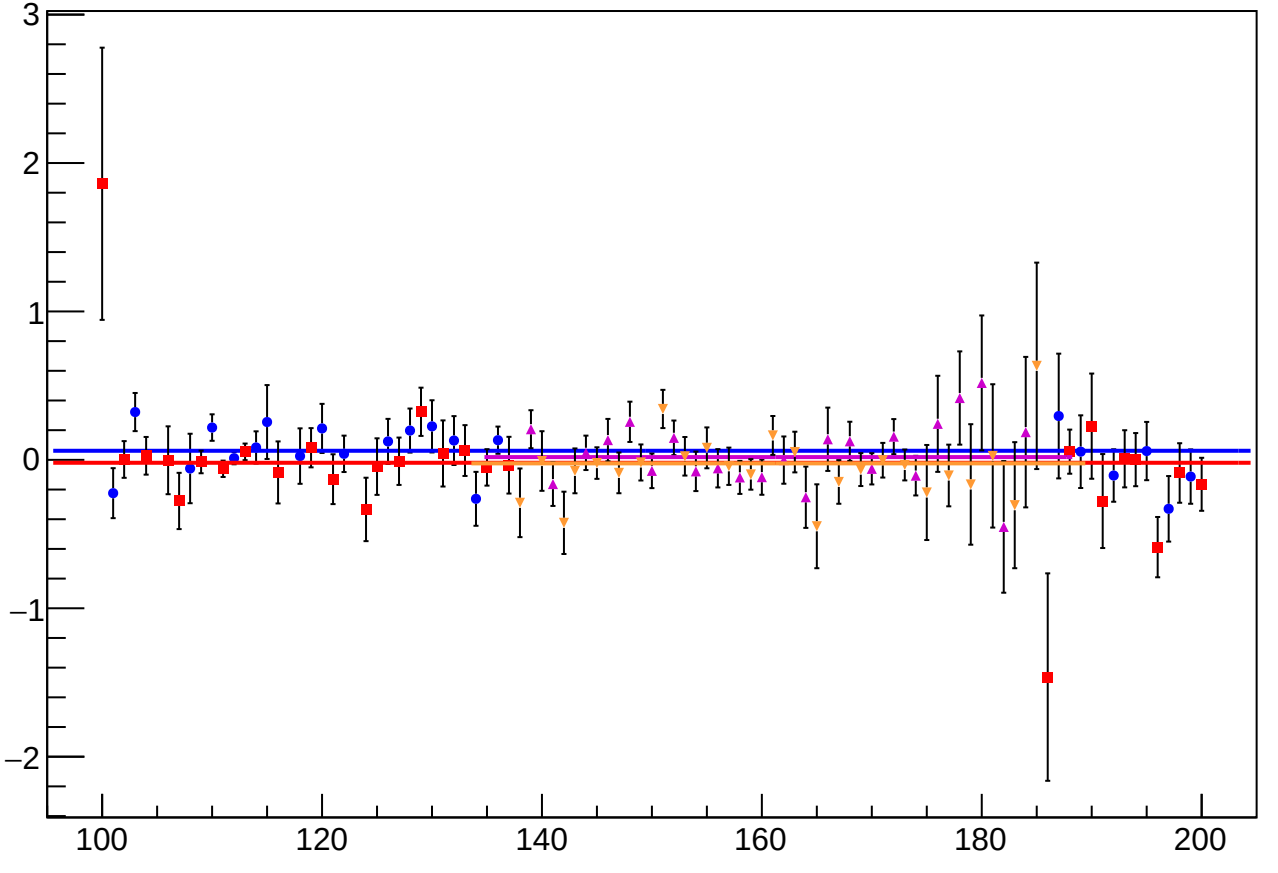
Right: 0.003+/-0.000 χ^2/NDF: 16530863.9/49

In: 0.004+/-0.000 χ^2/NDF:15309825.6/44

Out: 0.003+/-0.000 χ^2/NDF:20966516.0/52

All: 0.003+/-0.000 χ^2/NDF: 36508460.0/97

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

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

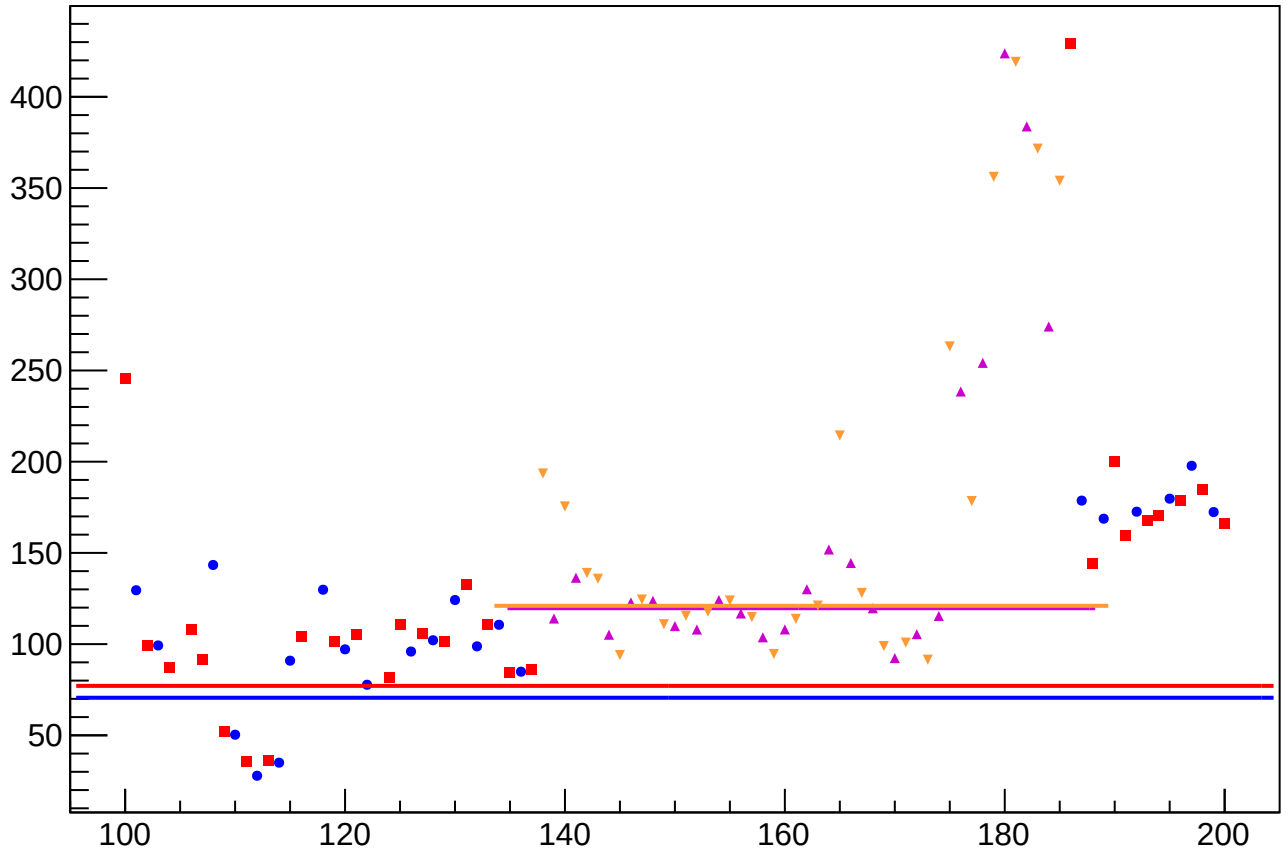
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.020+/-0.018 χ^2/NDF: 60.5/49

In: 0.043+/-0.020 χ^2/NDF:48.6/44

Out: -0.021+/-0.019 χ^2/NDF:53.2/52

All: 0.010+/-0.014 χ^2/NDF: 107.3/97



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

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

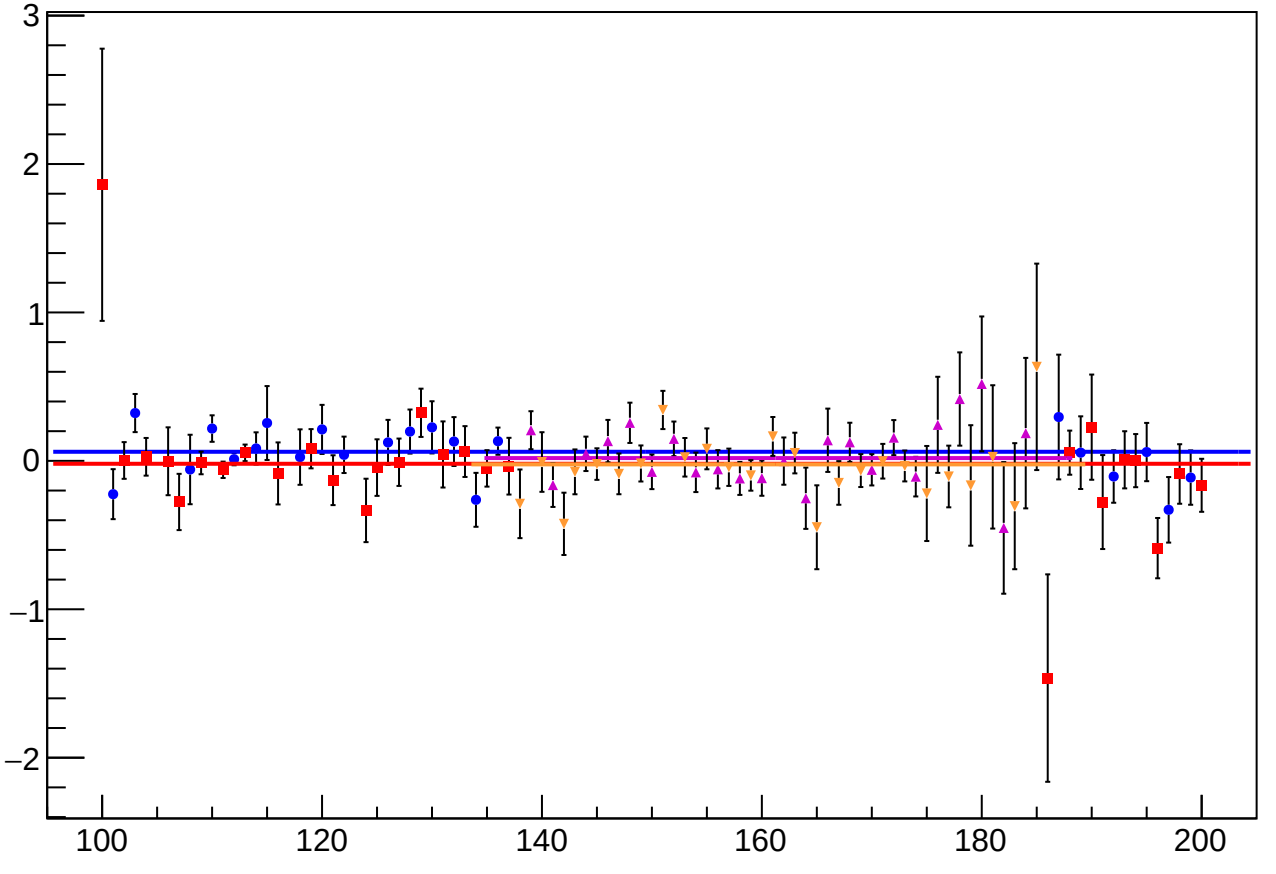
Right: 73.955+/-0.013 χ^2/NDF: 13922182.0/49

In: 91.298+/-0.014 χ^2/NDF:12729205.1/44

Out: 95.215+/-0.014 χ^2/NDF:13641199.7/52

All: 93.299+/-0.010 χ^2/NDF: 26411112.6/97

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

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

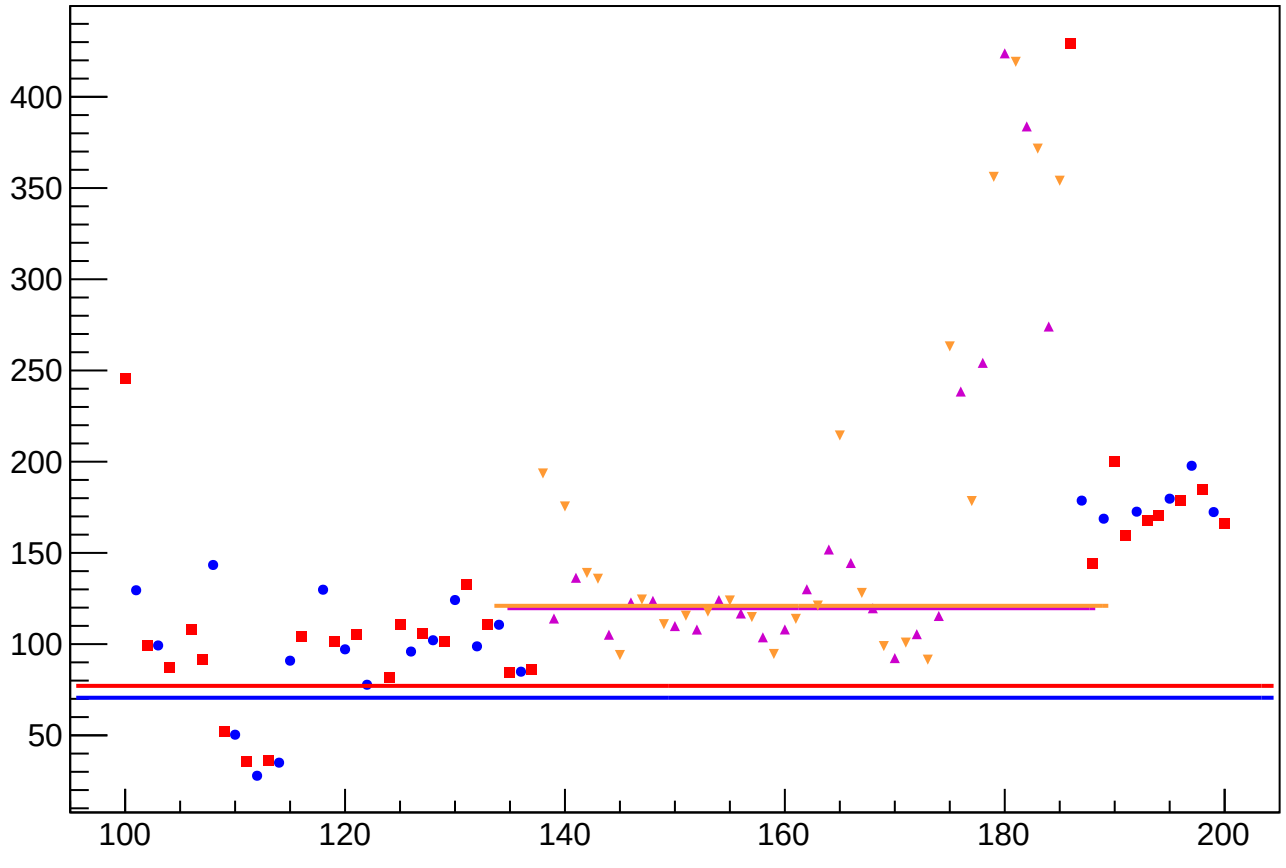
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.020+/-0.018 χ^2/NDF: 60.5/49

In: 0.043+/-0.020 χ^2/NDF:48.6/44

Out: -0.021+/-0.019 χ^2/NDF:53.2/52

All: 0.010+/-0.014 χ^2/NDF: 107.3/97



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

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

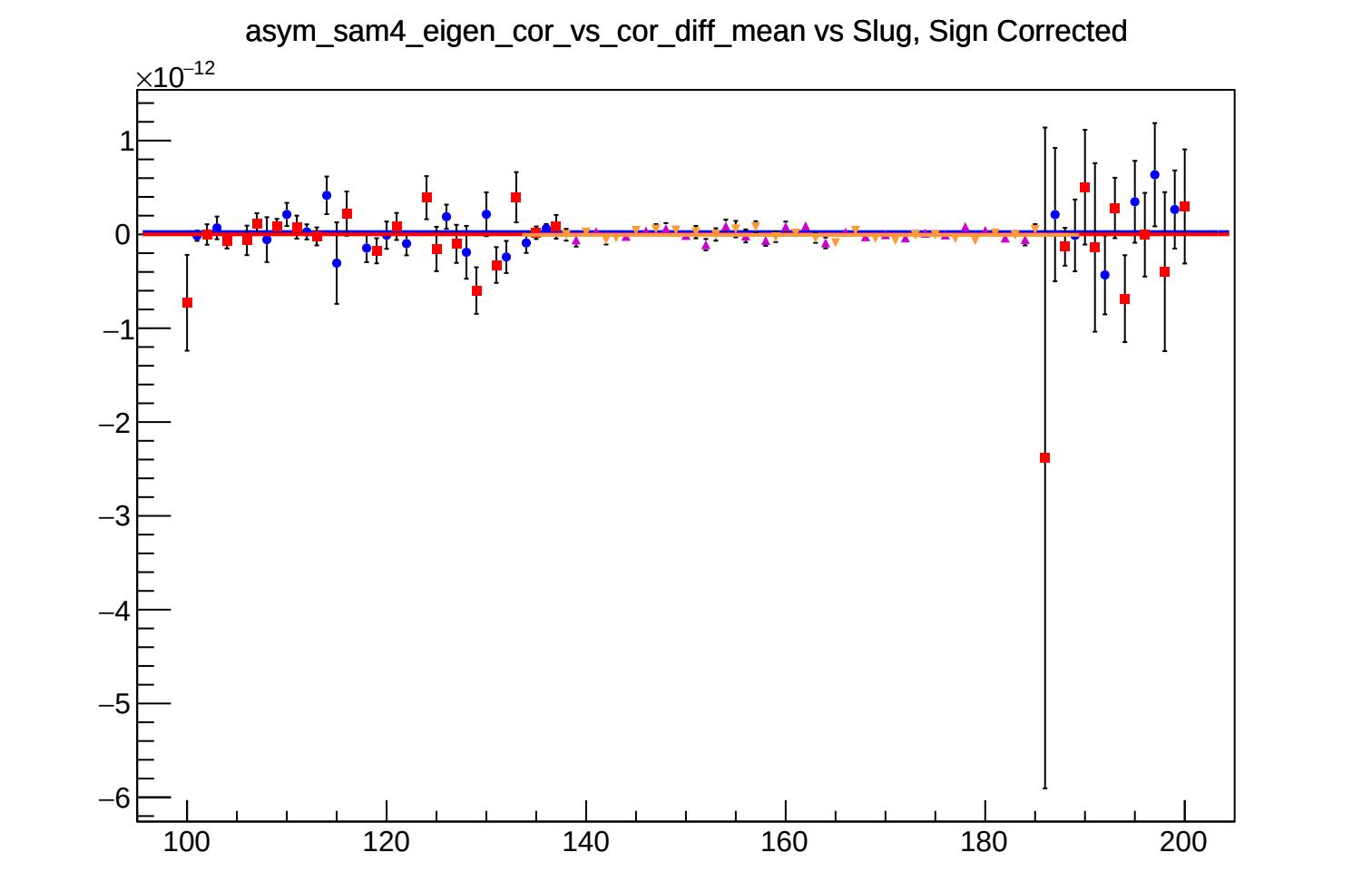
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 73.955+/-0.013 χ^2/NDF: 13922182.0/49

In: 91.298+/-0.014 χ^2/NDF:12729205.1/44

Out: 95.215+/-0.014 χ^2/NDF:13641199.7/52

All: 93.299+/-0.010 χ^2/NDF: 26411112.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/27

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

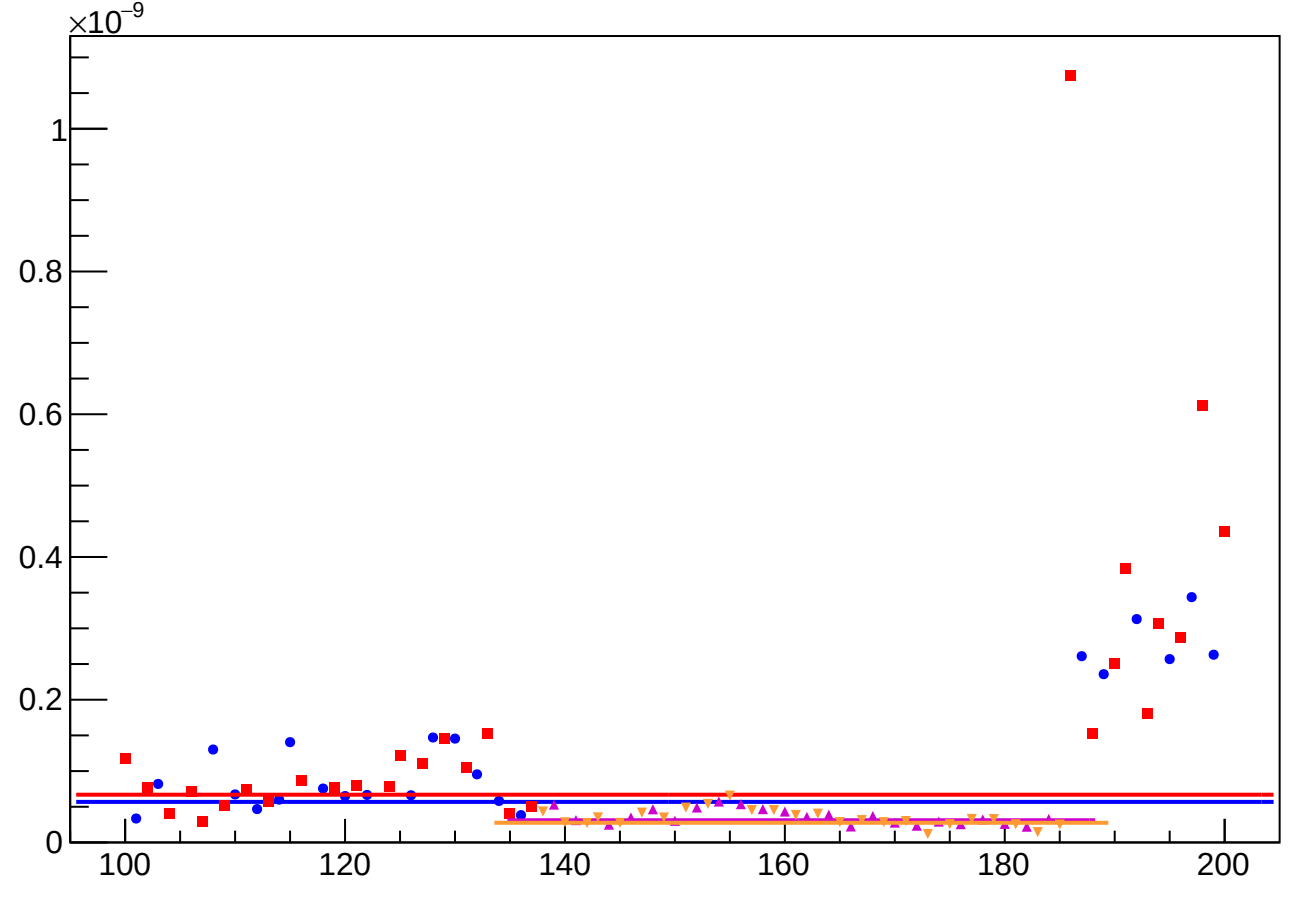
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 48.8/49

In: 0.000+/-0.000 χ^2/NDF:48.4/44

Out: -0.000+/-0.000 χ^2/NDF:50.5/52

All: -0.000+/-0.000 χ^2/NDF: 99.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 4500737.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5442023.3/27

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

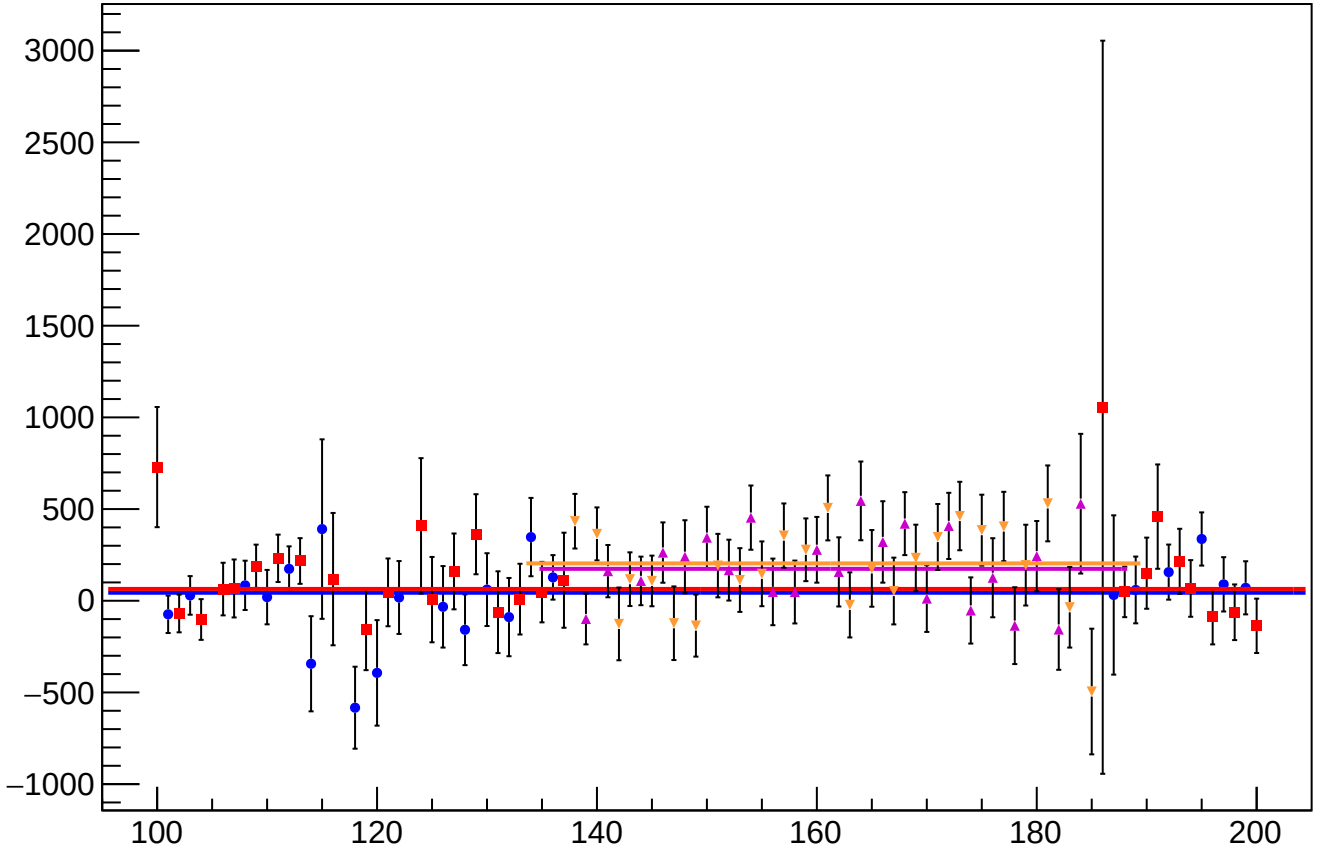
Right: 0.000+/-0.000 χ^2/NDF: 10080214.2/49

In: 0.000+/-0.000 χ^2/NDF:8198296.1/44

Out: 0.000+/-0.000 χ^2/NDF:12713388.0/52

All: 0.000+/-0.000 χ^2/NDF: 21077651.2/97

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.740+/-34.613 χ^2/NDF: 24.4/21

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

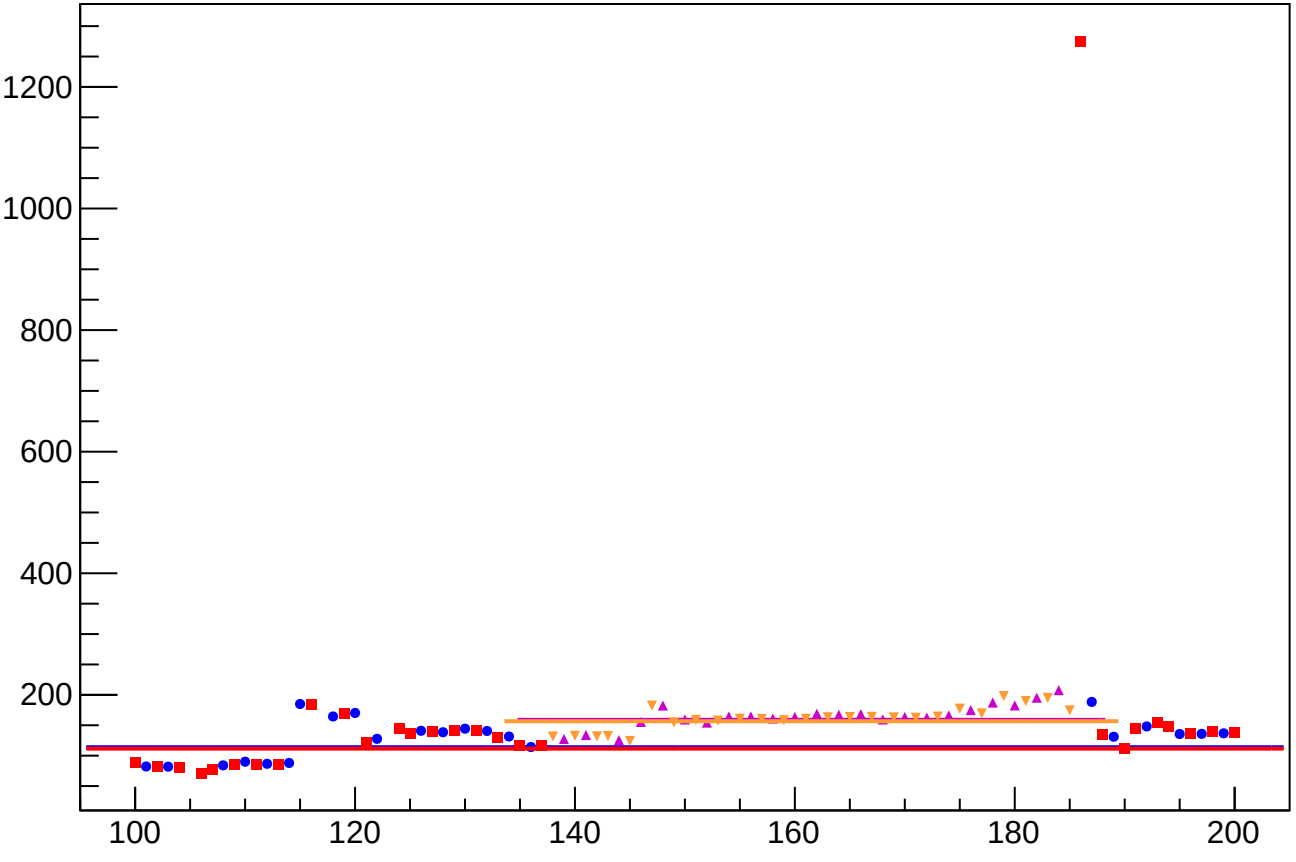
Right: 55.075+/-23.381 χ^2/NDF: 48.1/49

In: 103.815+/-25.405 χ^2/NDF:55.4/44

Out: 125.624+/-23.760 χ^2/NDF:64.8/52

All: 115.448+/-17.353 χ^2/NDF: 120.7/97

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350213.6/21

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

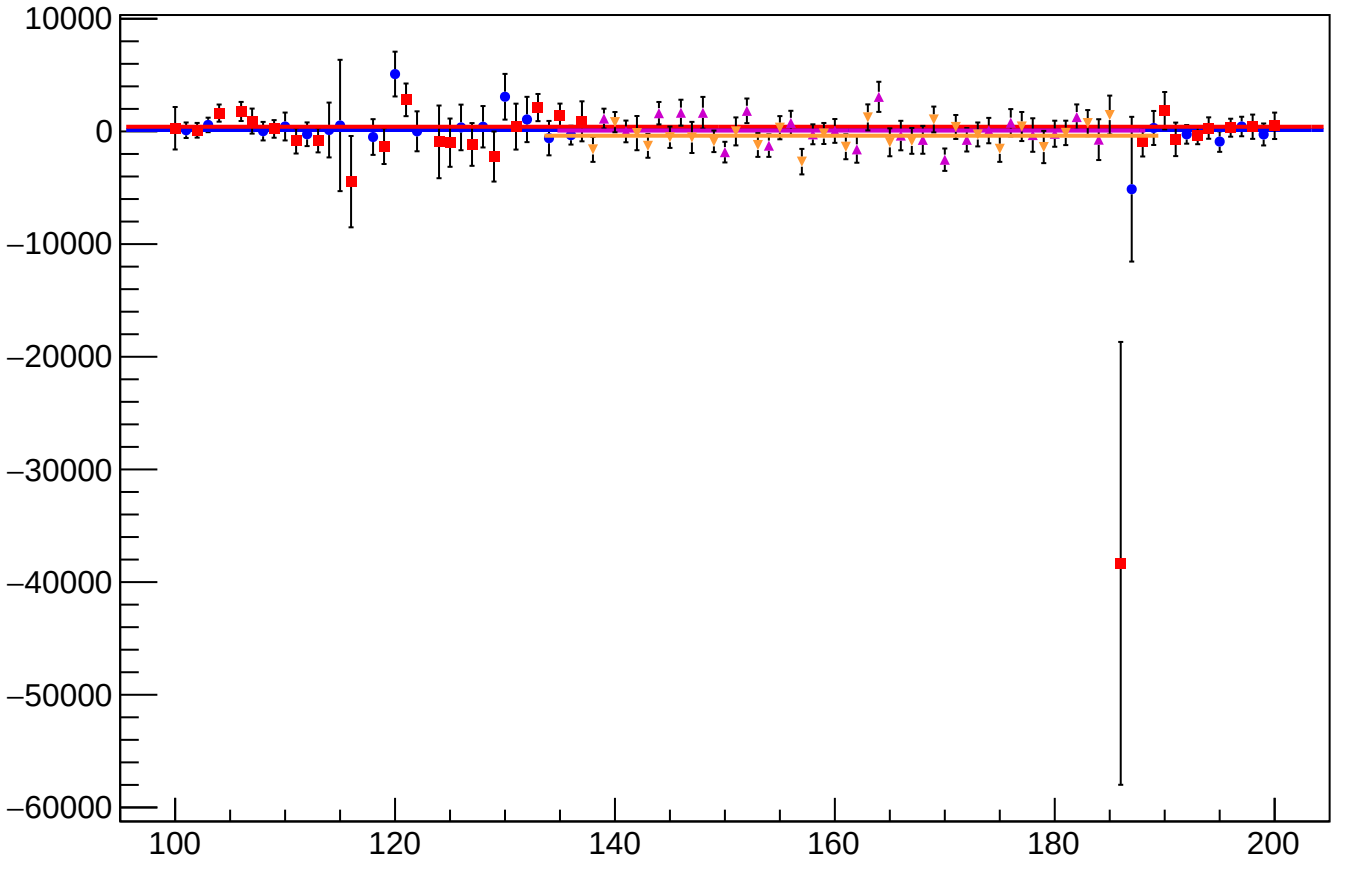
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 112.626+/-0.017 χ^2/NDF: 3780381.2/49

In: 134.680+/-0.018 χ^2/NDF:3424653.0/44

Out: 131.329+/-0.017 χ^2/NDF:4780296.9/52

All: 132.892+/-0.012 χ^2/NDF: 8223518.1/97



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

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

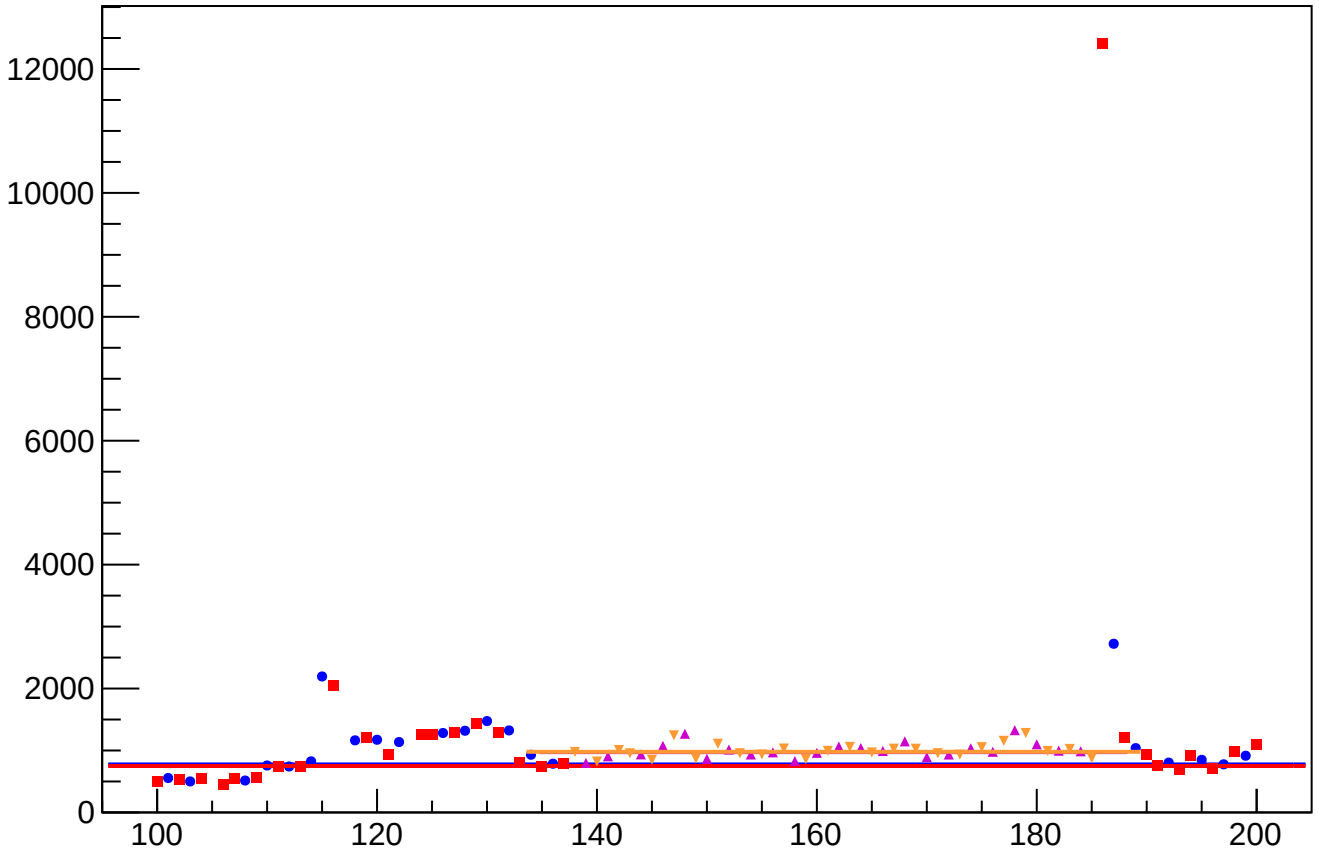
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 286.287+/-161.979 χ^2/NDF: 39.6/49

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 28.895+/-156.516 χ^2/NDF:51.5/52

All: 62.062+/-114.047 χ^2/NDF: 97.2/97



Right In: 774.626+/-0.171 χ^2/NDF: 2181830.5/21

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

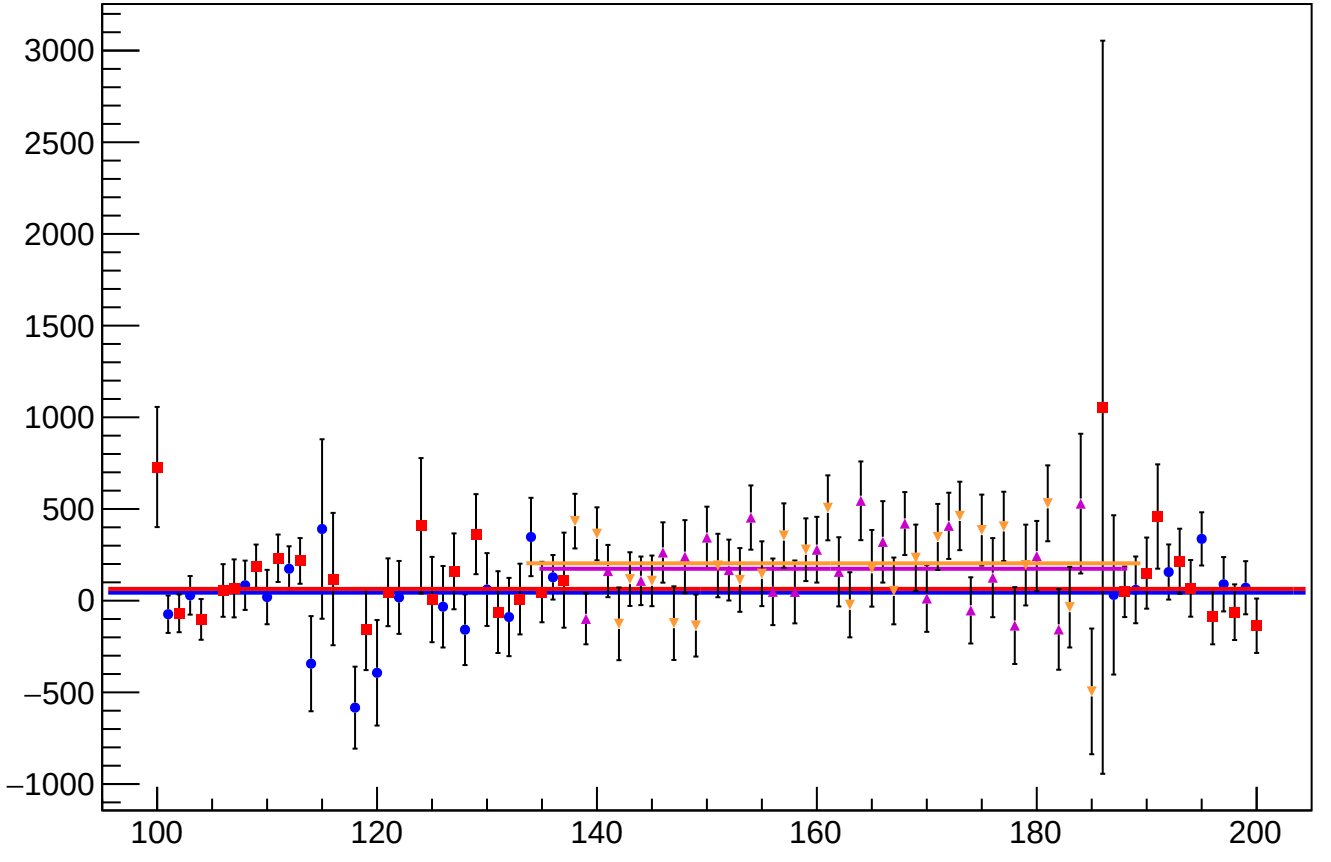
Right: 760.949+/-0.115 χ^2/NDF: 5454454.9/49

In: 879.231+/-0.118 χ^2/NDF:3394077.0/44

Out: 861.200+/-0.111 χ^2/NDF:4763266.1/52

All: 869.658+/-0.081 χ^2/NDF: 8169794.0/97

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

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

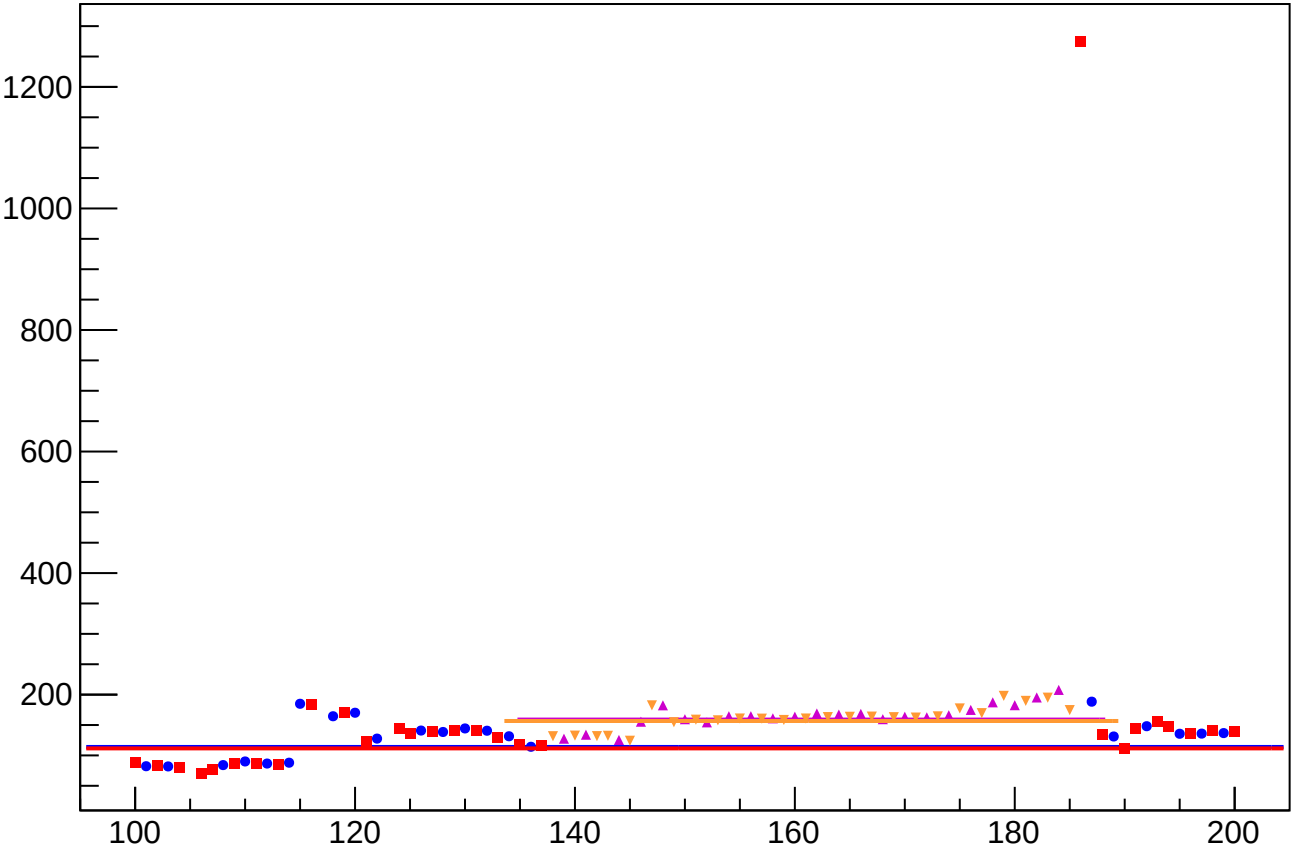
Right: 54.870+/-23.382 χ^2/NDF: 48.1/49

In: 103.813+/-25.405 χ^2/NDF:55.5/44

Out: 125.421+/-23.760 χ^2/NDF:64.9/52

All: 115.339+/-17.353 χ^2/NDF: 120.7/97

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

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

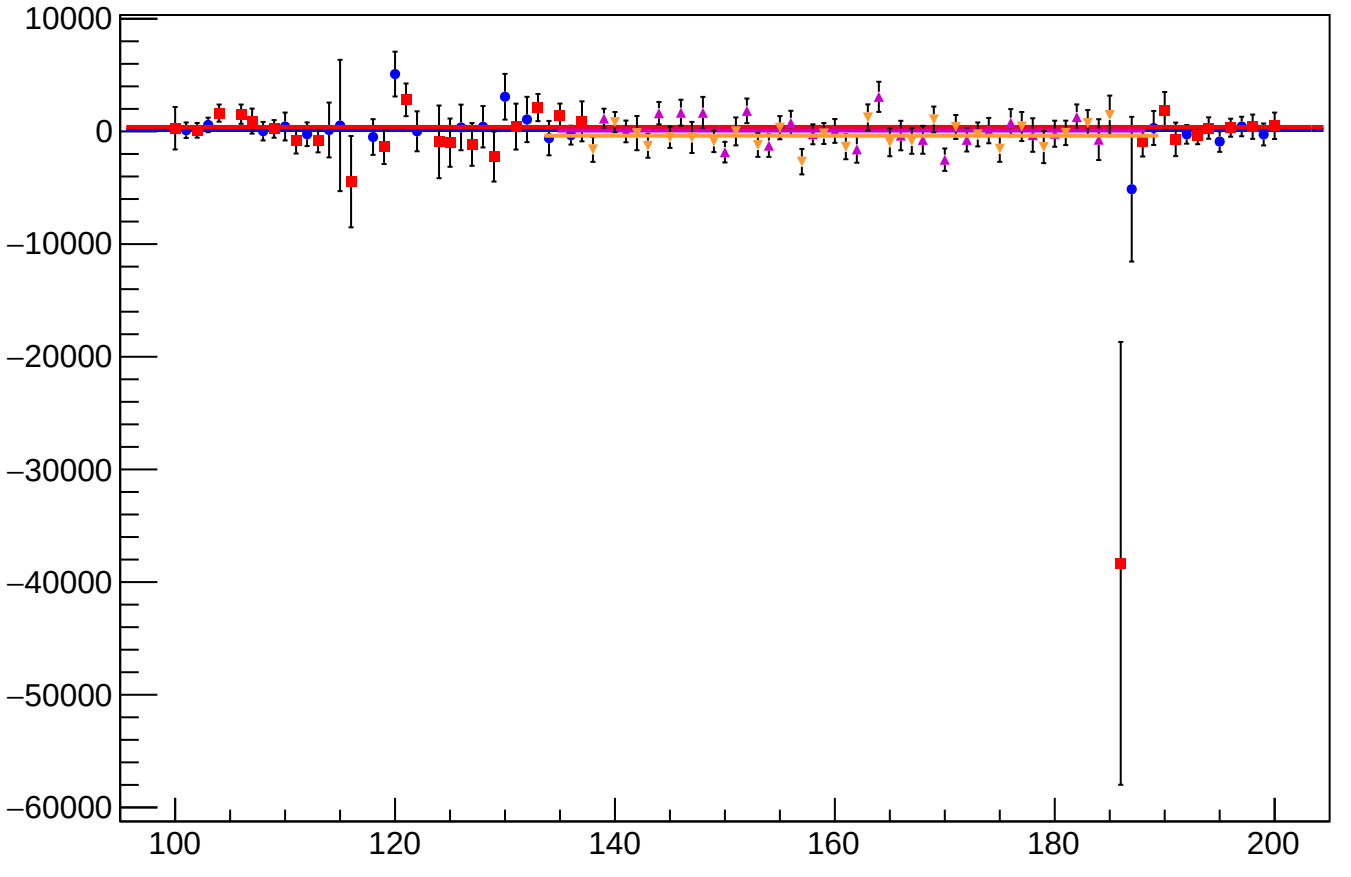
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 112.618+/-0.017 χ^2/NDF: 3783405.9/49

In: 134.680+/-0.018 χ^2/NDF:3424651.0/44

Out: 131.321+/-0.017 χ^2/NDF:4784400.9/52

All: 132.888+/-0.012 χ^2/NDF: 8227704.2/97



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

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

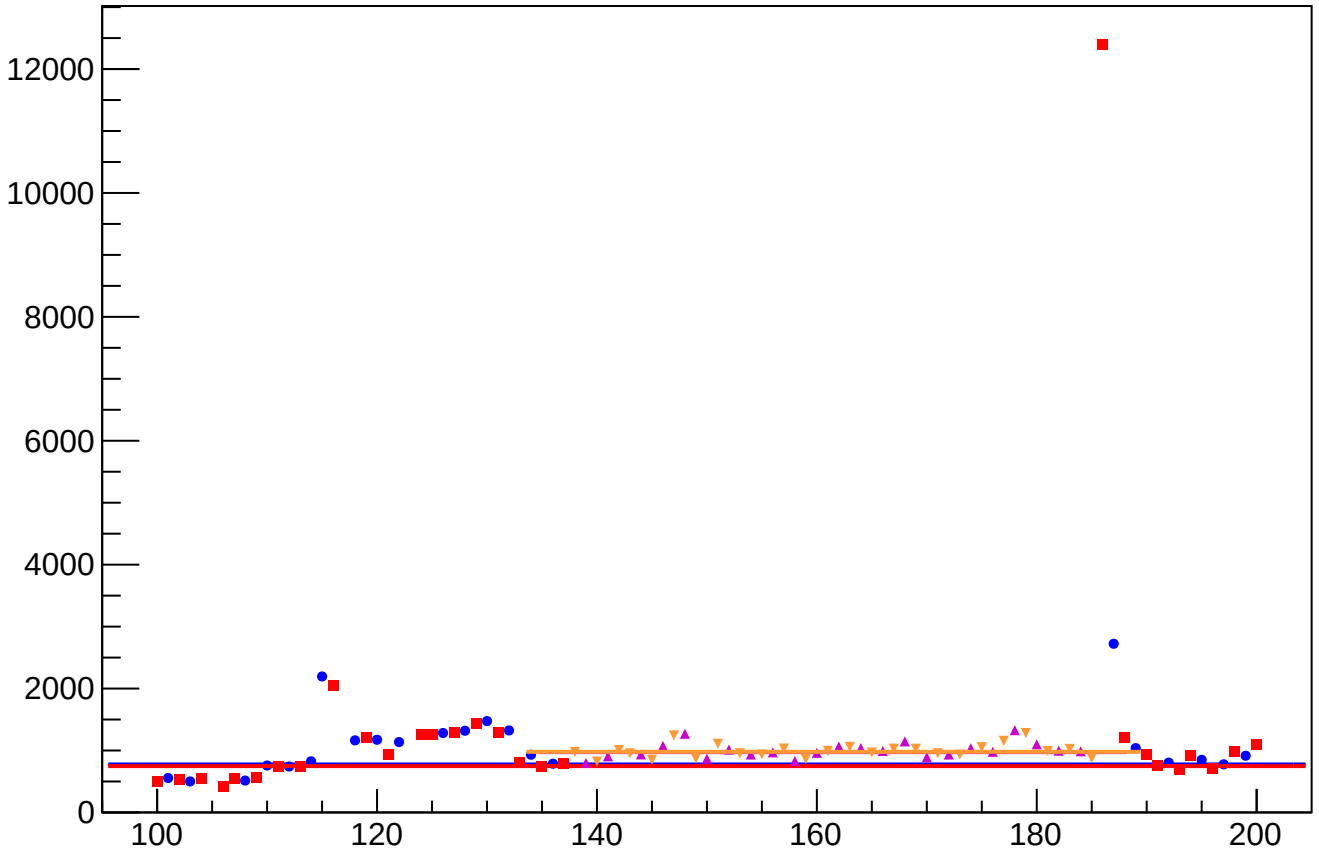
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 276.857+/-162.018 χ^2/NDF: 38.6/49

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 19.983+/-156.551 χ^2/NDF:50.4/52

All: 57.338+/-114.060 χ^2/NDF: 96.1/97



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

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

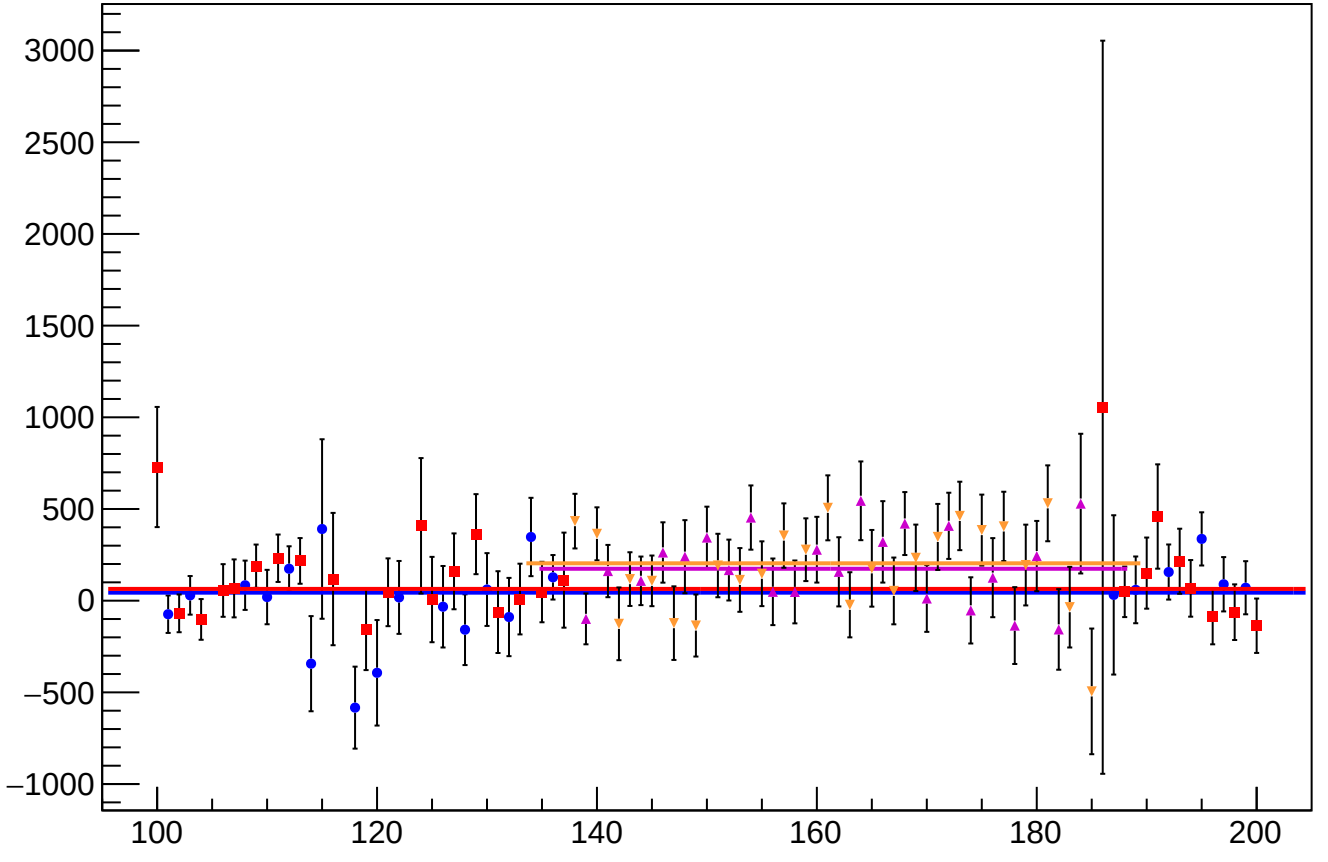
Right: 760.218+/-0.115 χ^2/NDF: 5494301.9/49

In: 879.231+/-0.118 χ^2/NDF:3394084.1/44

Out: 860.562+/-0.111 χ^2/NDF:4813917.8/52

All: 869.321+/-0.081 χ^2/NDF: 8221345.9/97

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

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

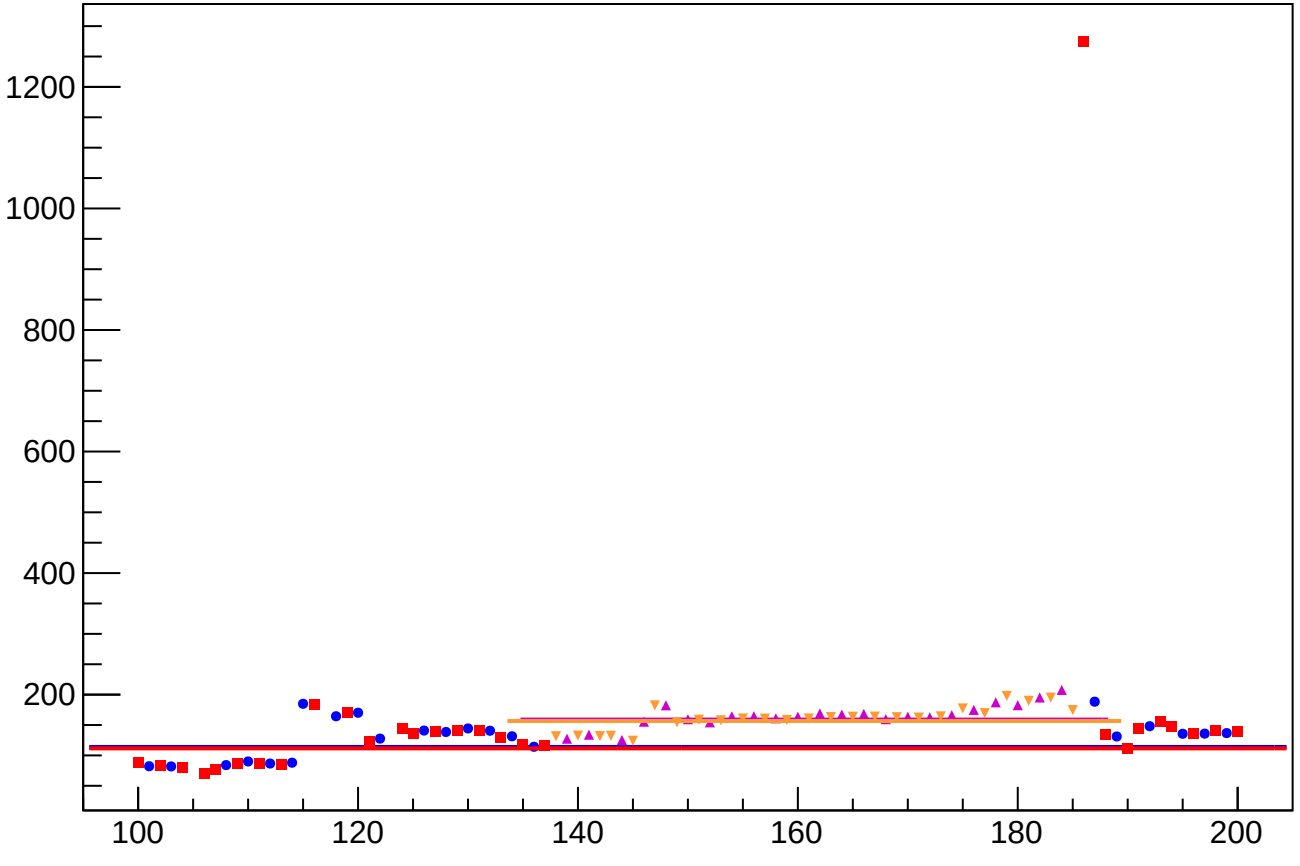
Right: 54.870+/-23.382 χ^2/NDF: 48.1/49

In: 103.813+/-25.405 χ^2/NDF:55.5/44

Out: 125.421+/-23.760 χ^2/NDF:64.9/52

All: 115.339+/-17.353 χ^2/NDF: 120.7/97

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

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

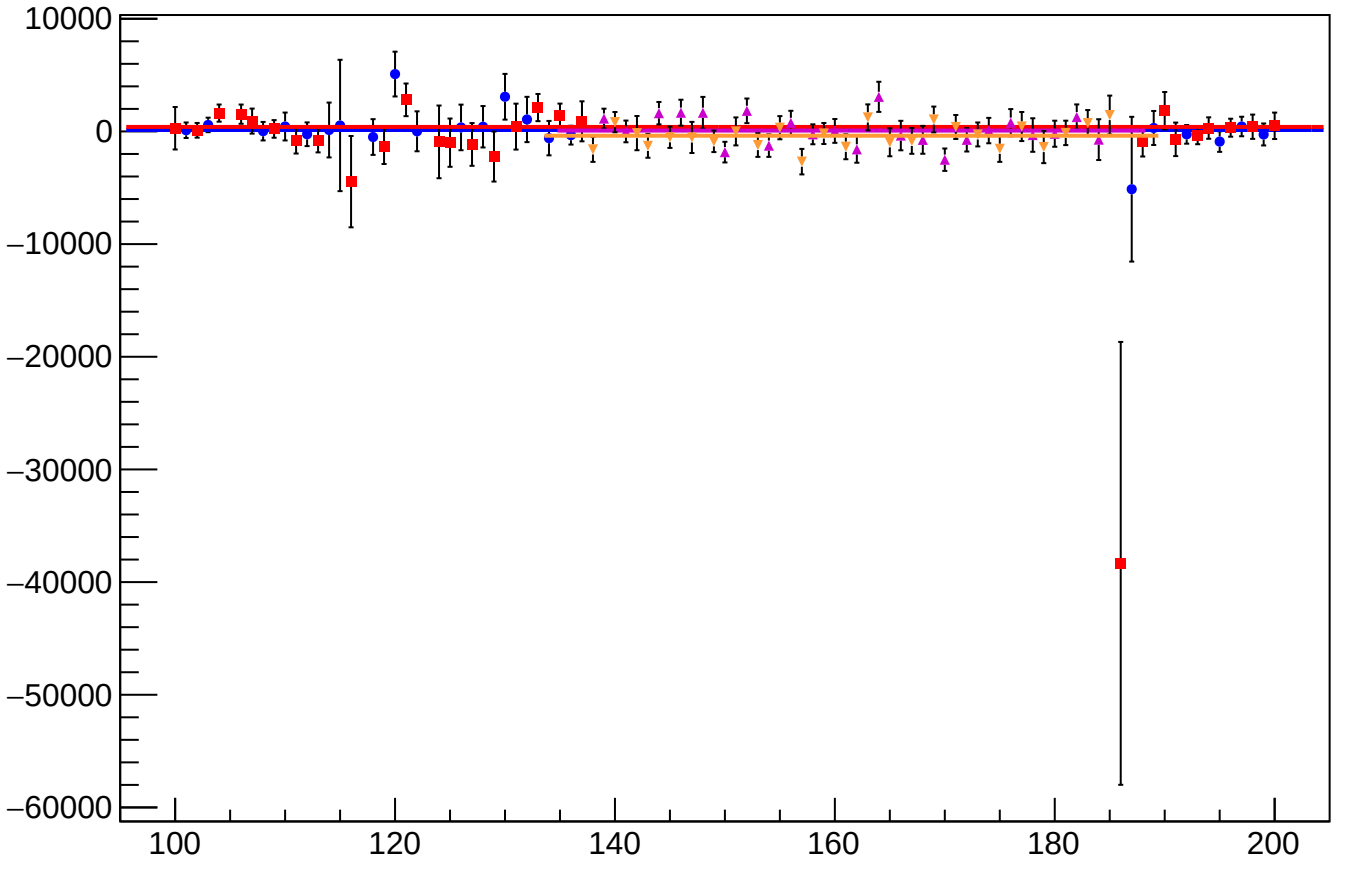
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 112.618+/-0.017 χ^2/NDF: 3783405.9/49

In: 134.680+/-0.018 χ^2/NDF:3424651.0/44

Out: 131.321+/-0.017 χ^2/NDF:4784400.9/52

All: 132.888+/-0.012 χ^2/NDF: 8227704.2/97



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

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

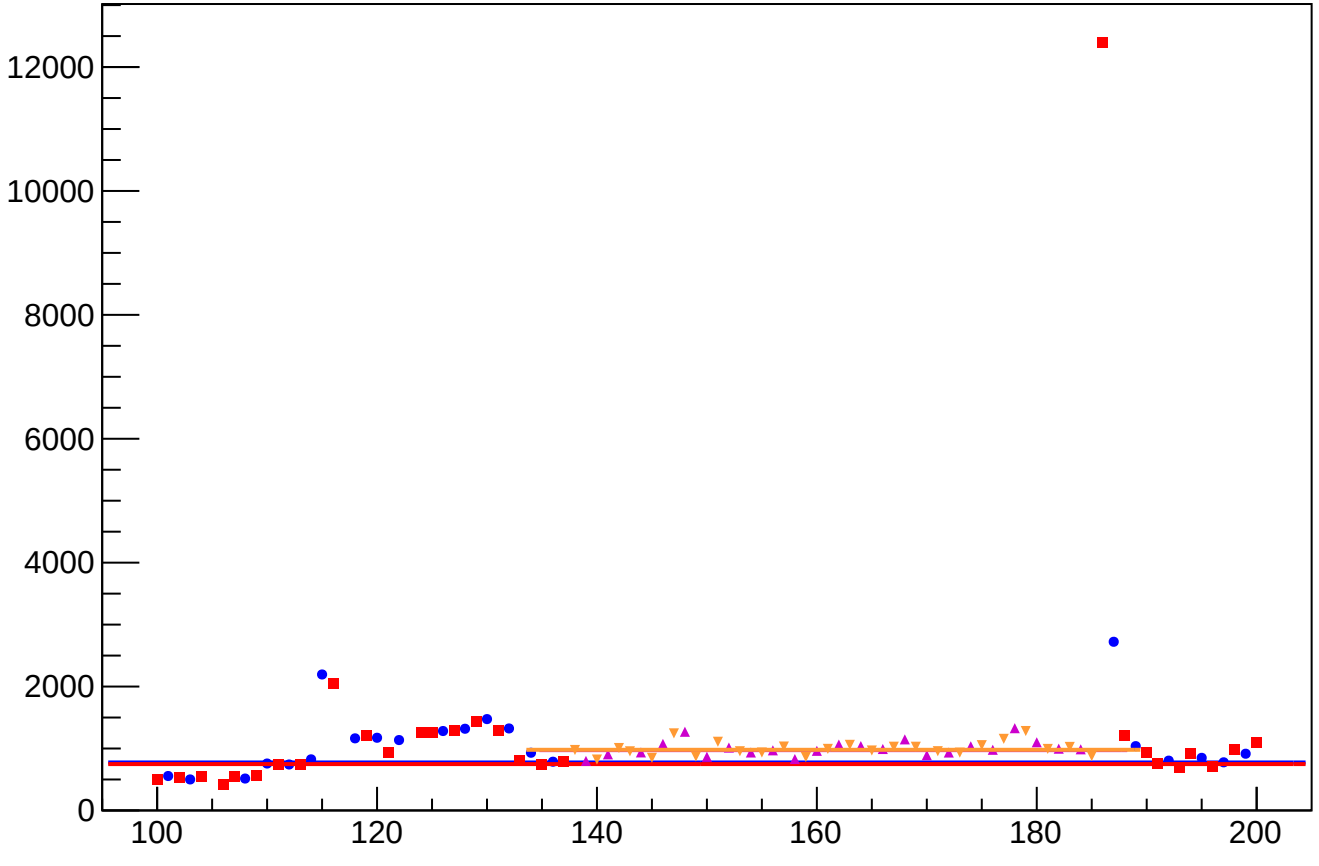
Right: 276.857+/-162.018 χ^2/NDF: 38.6/49

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 19.983+/-156.551 χ^2/NDF:50.4/52

All: 57.338+/-114.060 χ^2/NDF: 96.1/97

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

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

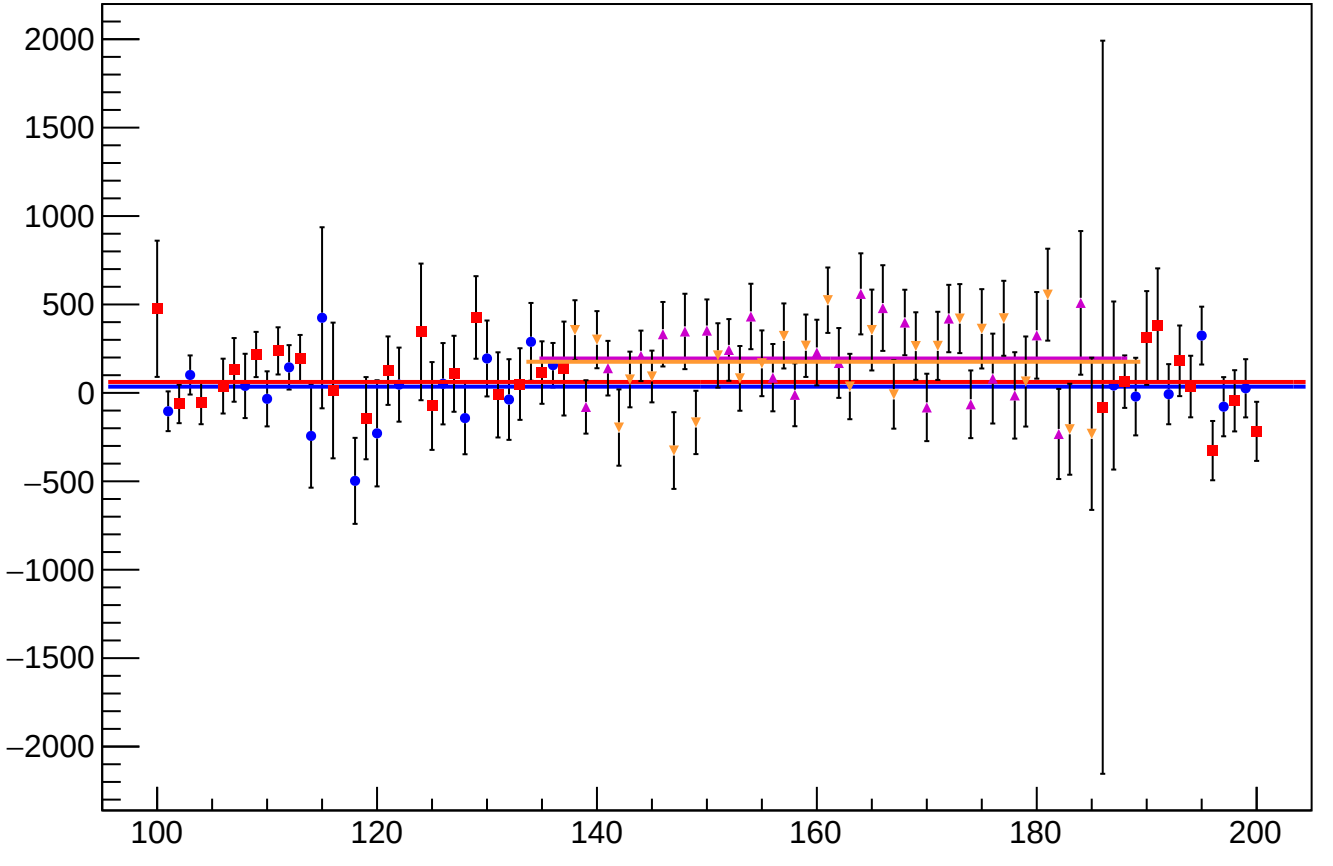
Right: 760.218+/-0.115 χ^2/NDF: 5494301.9/49

In: 879.231+/-0.118 χ^2/NDF:3394084.1/44

Out: 860.562+/-0.111 χ^2/NDF:4813917.8/52

All: 869.321+/-0.081 χ^2/NDF: 8221345.9/97

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

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

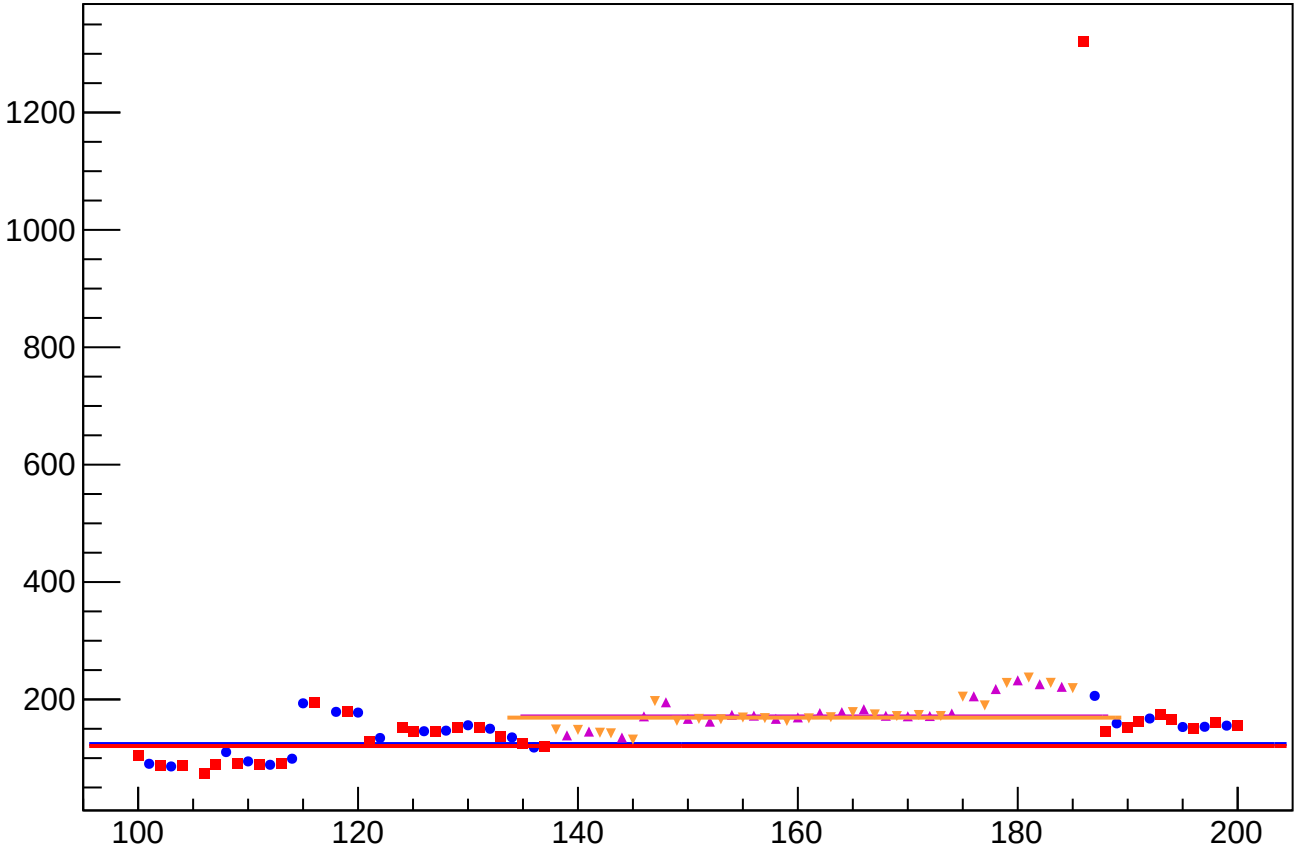
Right: 49.742+/-25.475 χ^2/NDF: 40.6/49

In: 109.527+/-27.597 χ^2/NDF:49.4/44

Out: 112.157+/-25.786 χ^2/NDF:58.7/52

All: 110.931+/-18.841 χ^2/NDF: 108.1/97

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 123.974+/-0.027 χ^2/NDF: 1443753.4/21

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

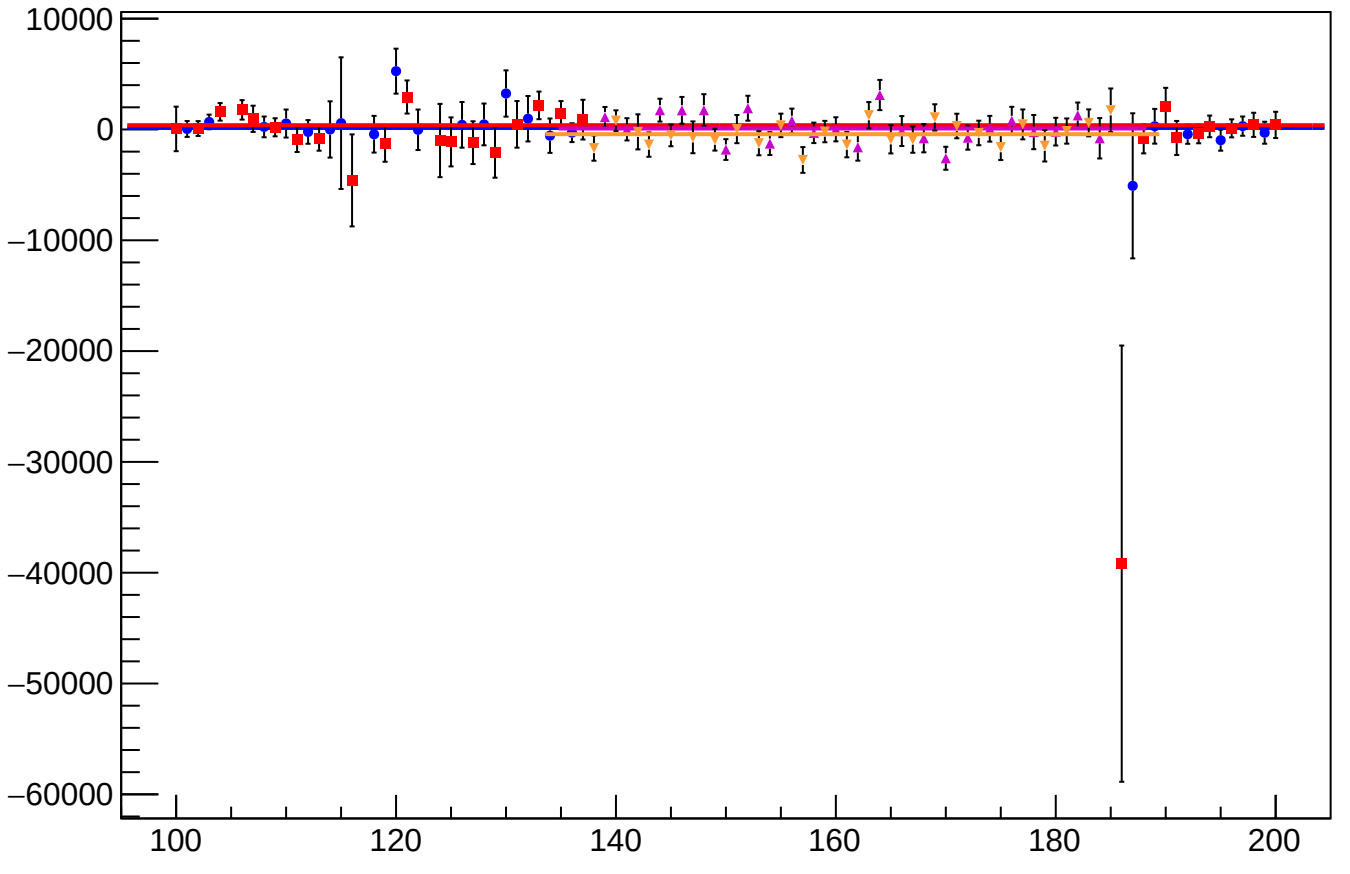
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 122.153+/-0.018 χ^2/NDF: 4045553.7/49

In: 145.945+/-0.020 χ^2/NDF:3568656.4/44

Out: 141.961+/-0.018 χ^2/NDF:5102027.4/52

All: 143.818+/-0.013 χ^2/NDF: 8692941.9/97



Right In: 137.840+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 385.529+/-225.425 χ^2/NDF: 26.2/27

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

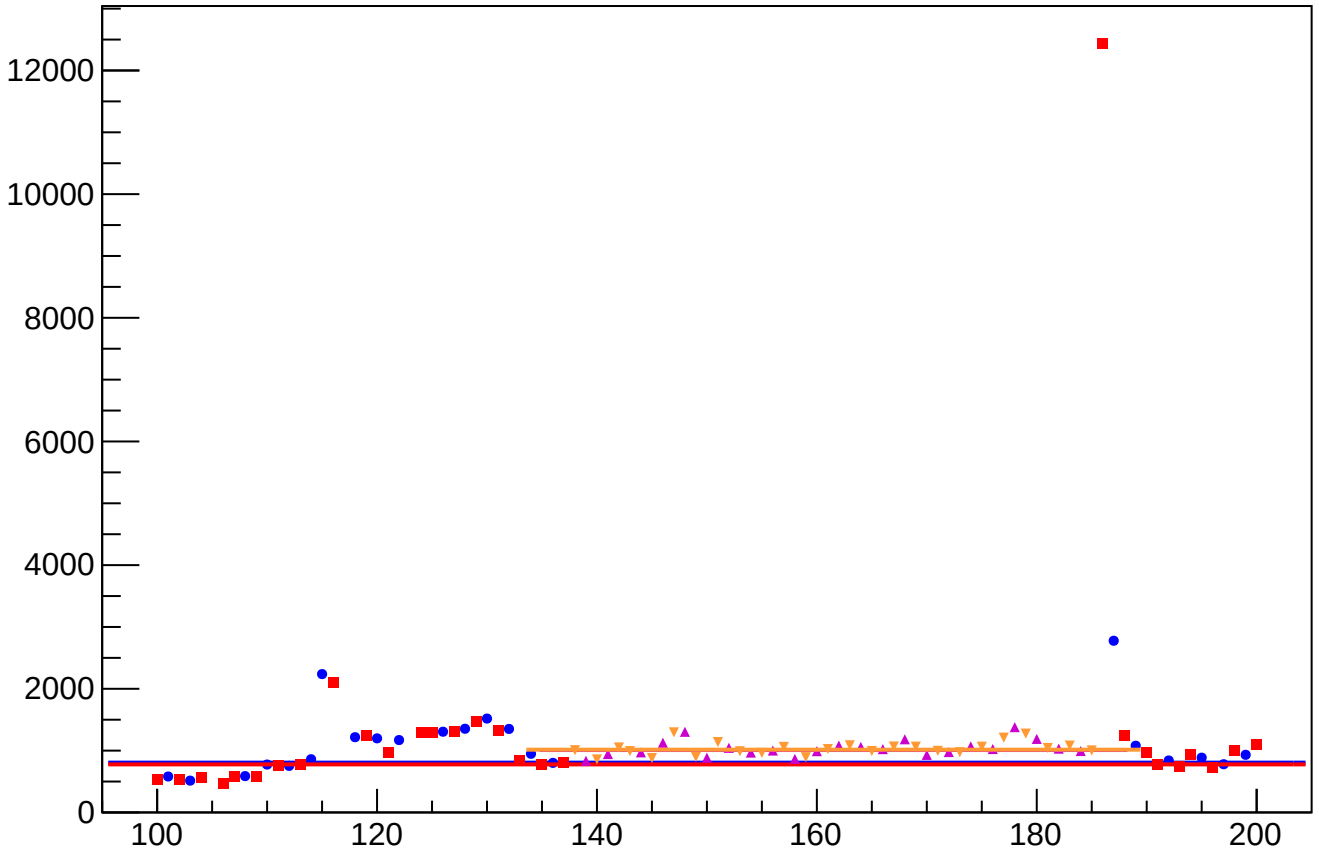
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 274.648+/-167.535 χ^2/NDF: 39.6/49

In: 110.877+/-172.566 χ^2/NDF:45.4/44

Out: -7.508+/-161.864 χ^2/NDF:50.8/52

All: 47.900+/-118.057 χ^2/NDF: 96.4/97



Right In: 805.686+/-0.177 χ^2/NDF: 2062066.6/21

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

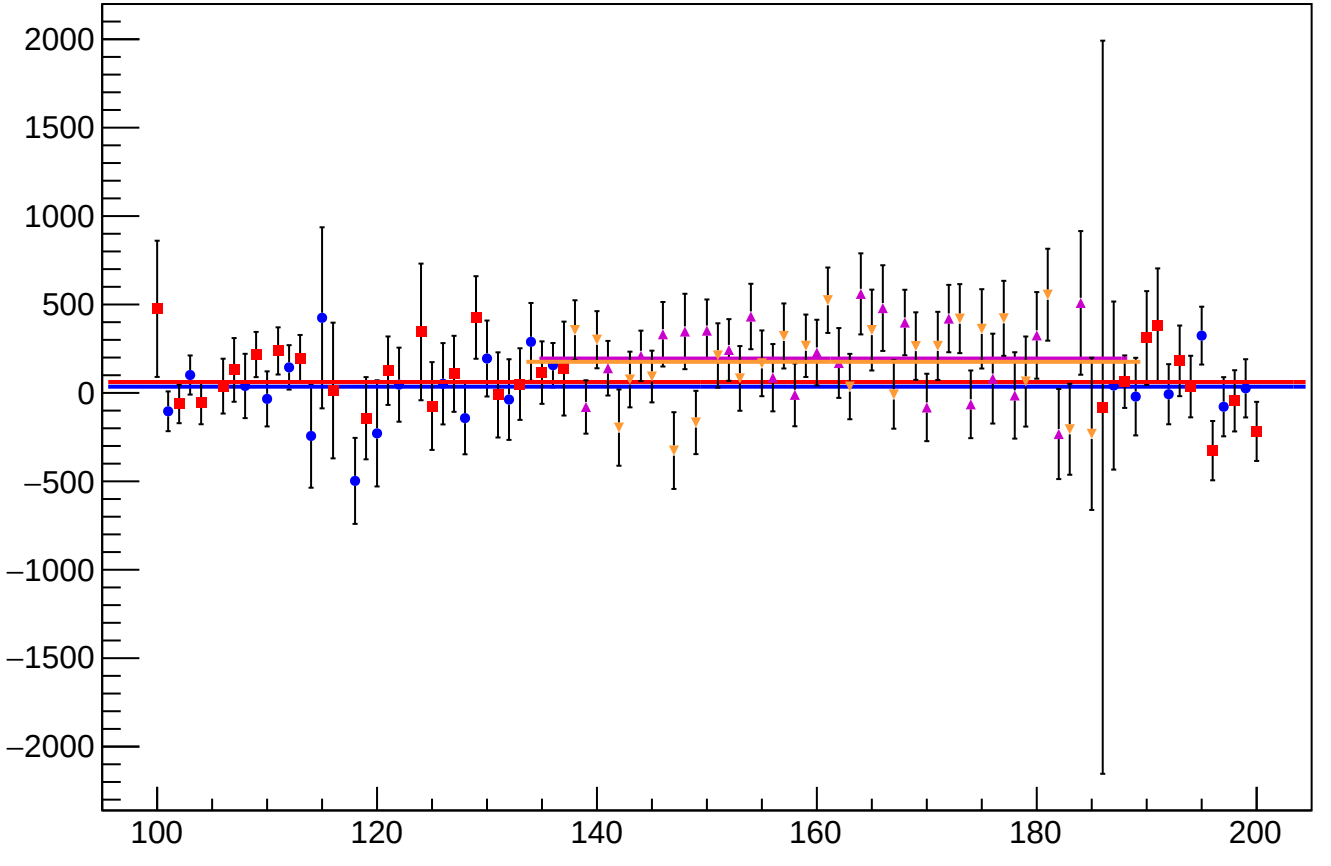
Right: 789.938+/-0.118 χ^2/NDF: 5226545.1/49

In: 912.787+/-0.122 χ^2/NDF:3257747.0/44

Out: 892.405+/-0.114 χ^2/NDF:4626913.5/52

All: 901.944+/-0.083 χ^2/NDF: 7899503.0/97

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

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

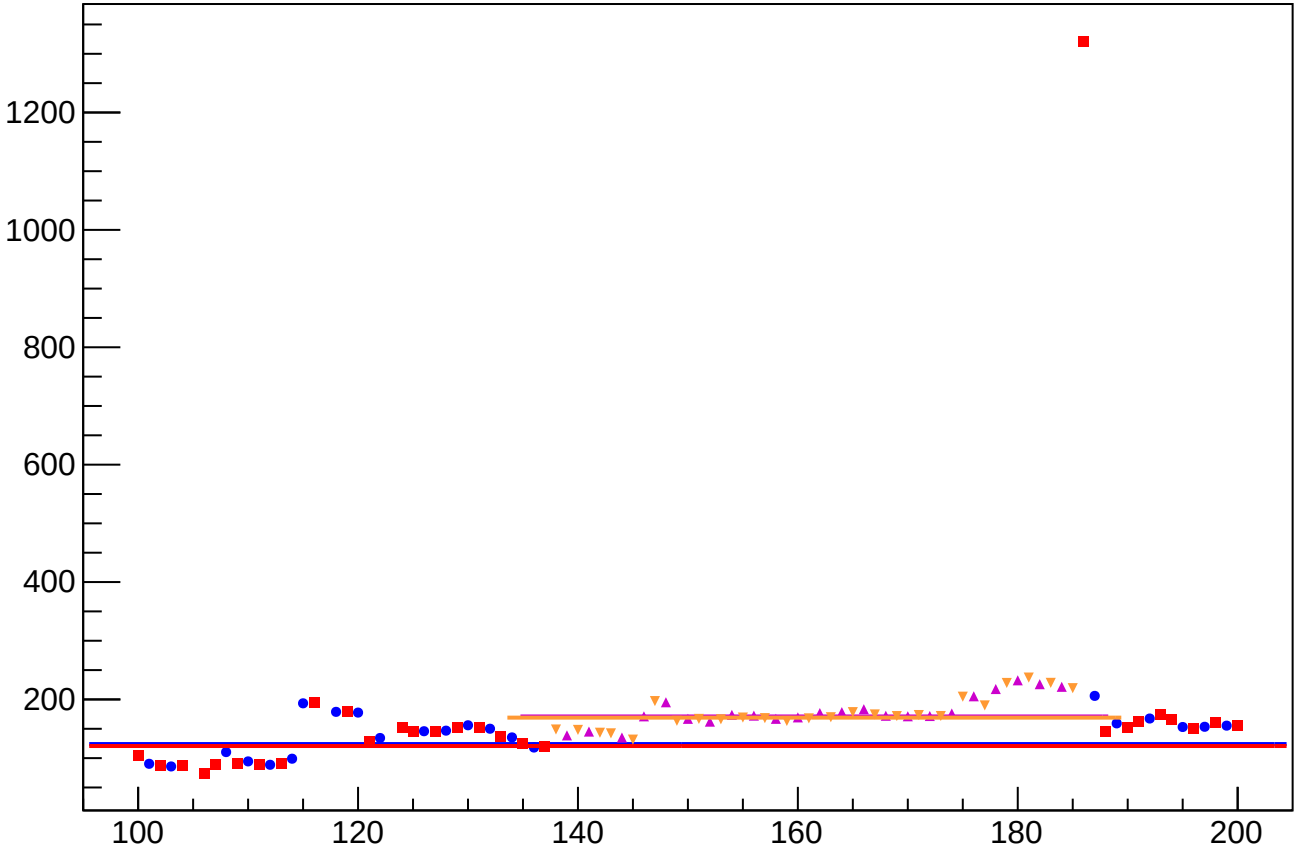
Right: 49.743+/-25.475 χ^2/NDF: 40.6/49

In: 109.526+/-27.597 χ^2/NDF:49.4/44

Out: 112.157+/-25.786 χ^2/NDF:58.7/52

All: 110.931+/-18.841 χ^2/NDF: 108.1/97

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 123.973+/-0.027 χ^2/NDF: 1443758.4/21

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

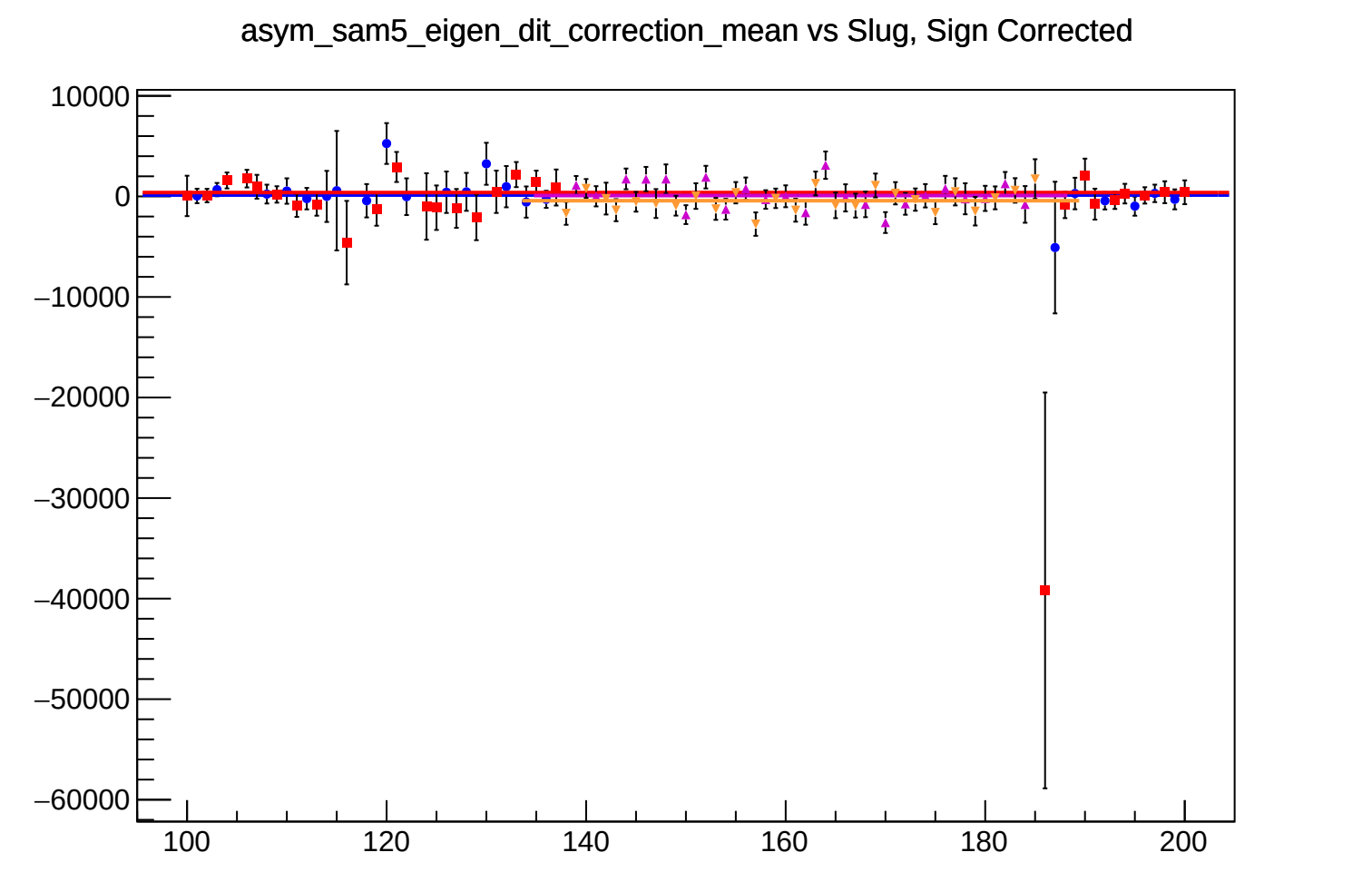
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 122.153+/-0.018 χ^2/NDF: 4045559.1/49

In: 145.945+/-0.020 χ^2/NDF:3568685.1/44

Out: 141.961+/-0.018 χ^2/NDF:5102037.6/52

All: 143.818+/-0.013 χ^2/NDF: 8692980.7/97



Right In: 137.841+/-250.397 χ^2/NDF: 12.9/21

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

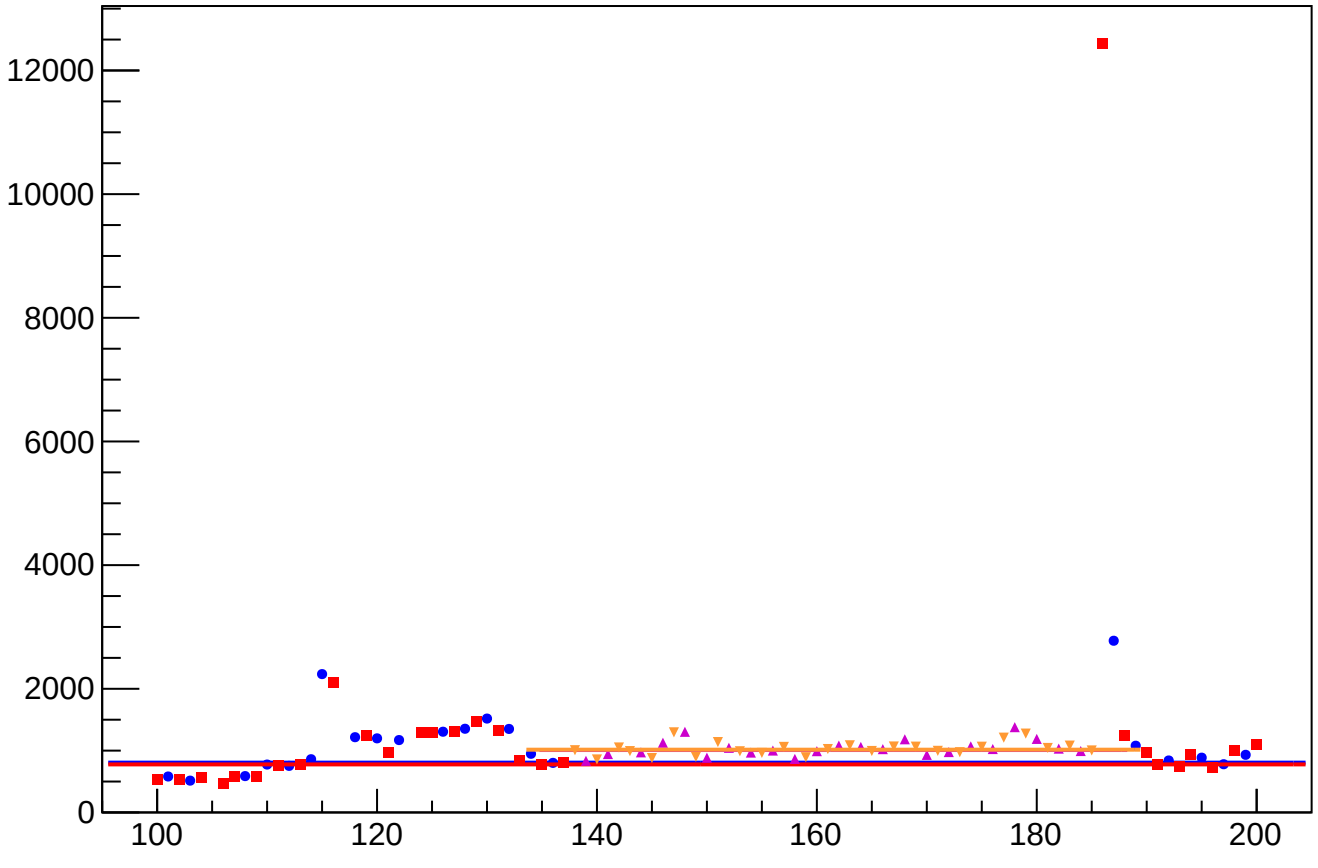
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 274.648+/-167.535 χ^2/NDF: 39.6/49

In: 110.878+/-172.566 χ^2/NDF:45.4/44

Out: -7.506+/-161.864 χ^2/NDF:50.8/52

All: 47.901+/-118.057 χ^2/NDF: 96.4/97



Right In: 805.685+/-0.177 χ^2/NDF: 2062067.7/21

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

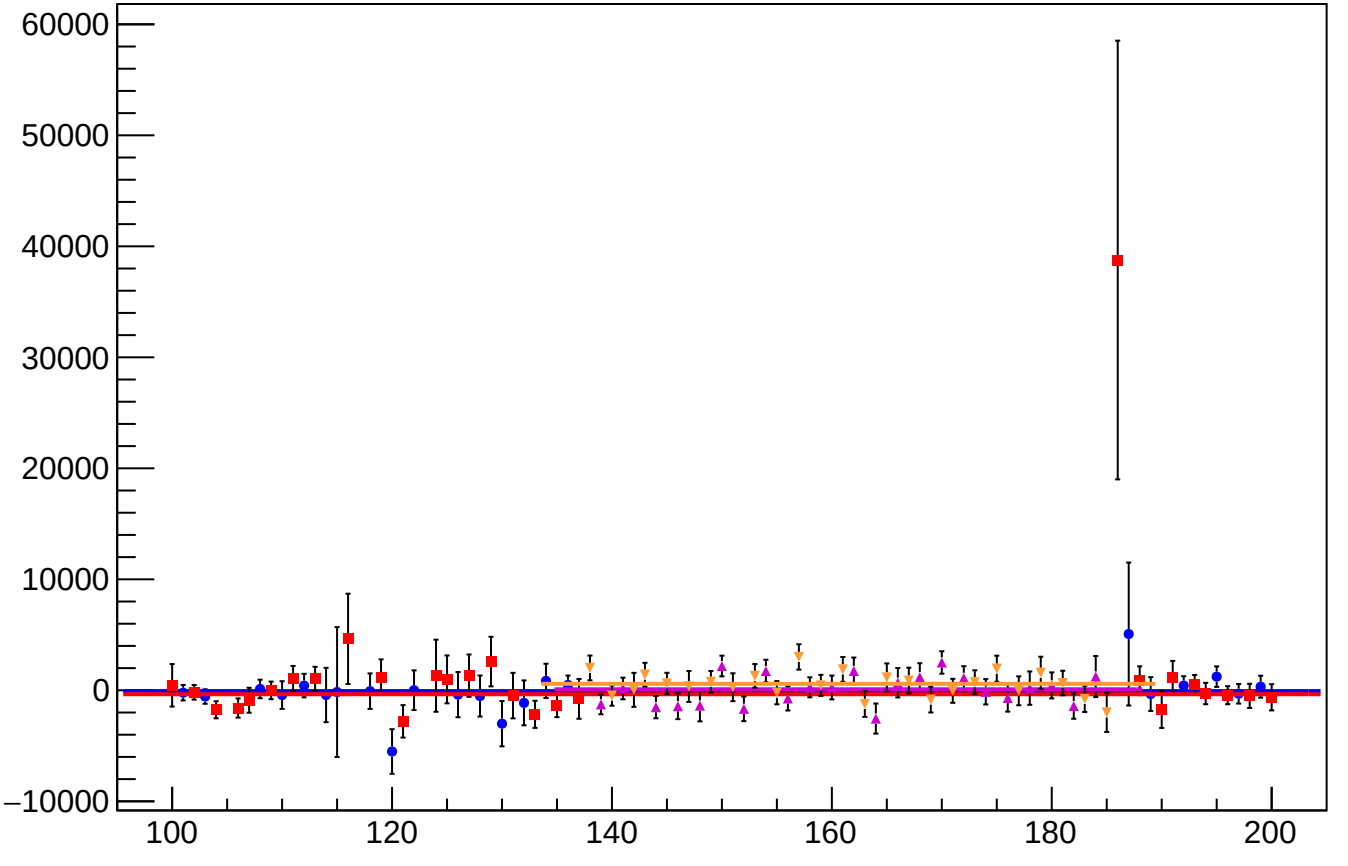
Right: 789.937+/-0.118 χ^2/NDF: 5226552.6/49

In: 912.787+/-0.122 χ^2/NDF:3257761.8/44

Out: 892.405+/-0.114 χ^2/NDF:4626932.7/52

All: 901.945+/-0.083 χ^2/NDF: 7899537.1/97

asym_sam5_mean vs Slug, Sign Corrected



Right In: -70.331+/-244.594 χ^2/NDF: 14.8/21

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

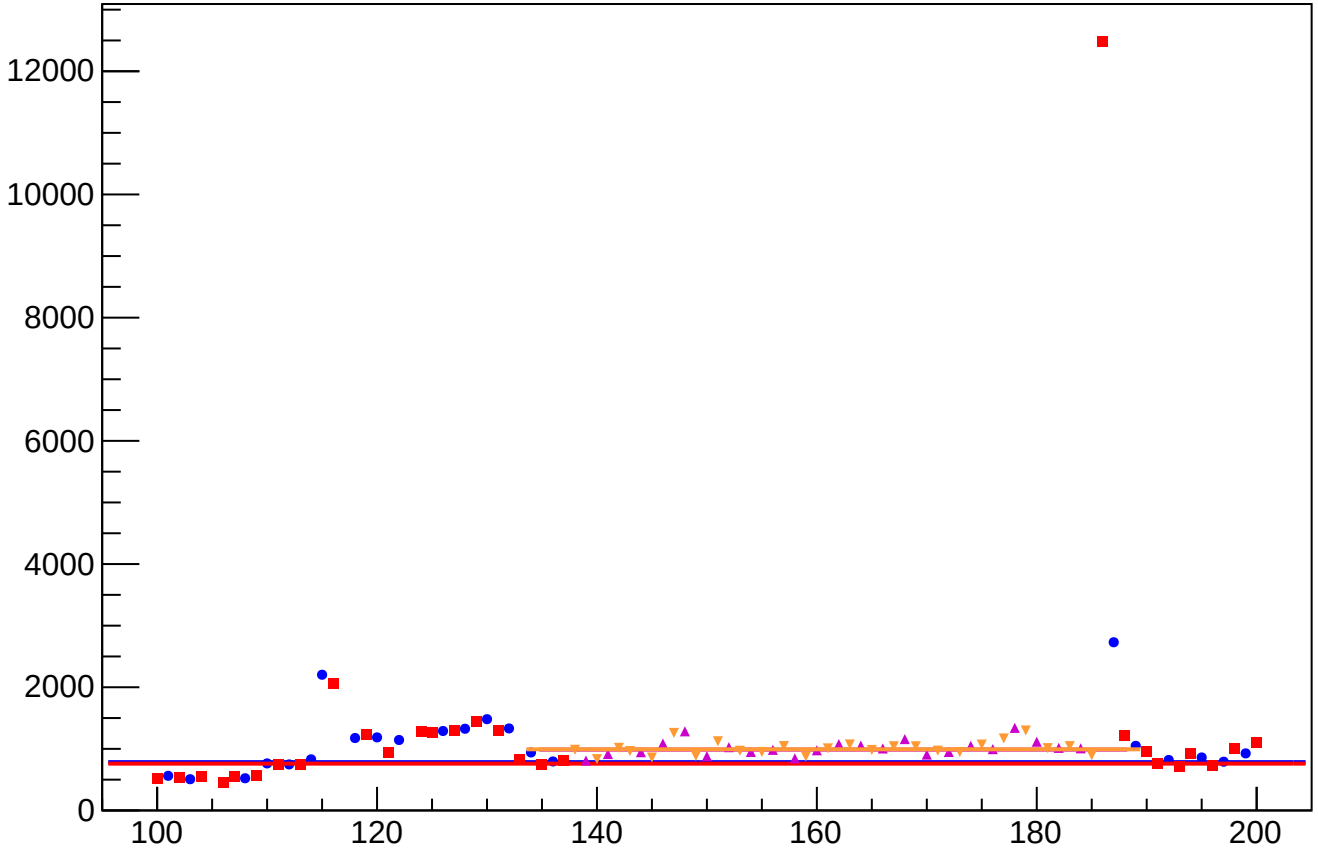
Right: -226.630+/-164.051 χ^2/NDF: 44.1/49

In: 15.127+/-168.713 χ^2/NDF:49.6/44

Out: 102.448+/-158.613 χ^2/NDF:58.1/52

All: 61.479+/-115.562 χ^2/NDF: 107.8/97

asym_sam5_rms vs Slug, Sign Corrected



Right In: 784.629+/-0.173 χ^2/NDF: 2159583.2/21

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

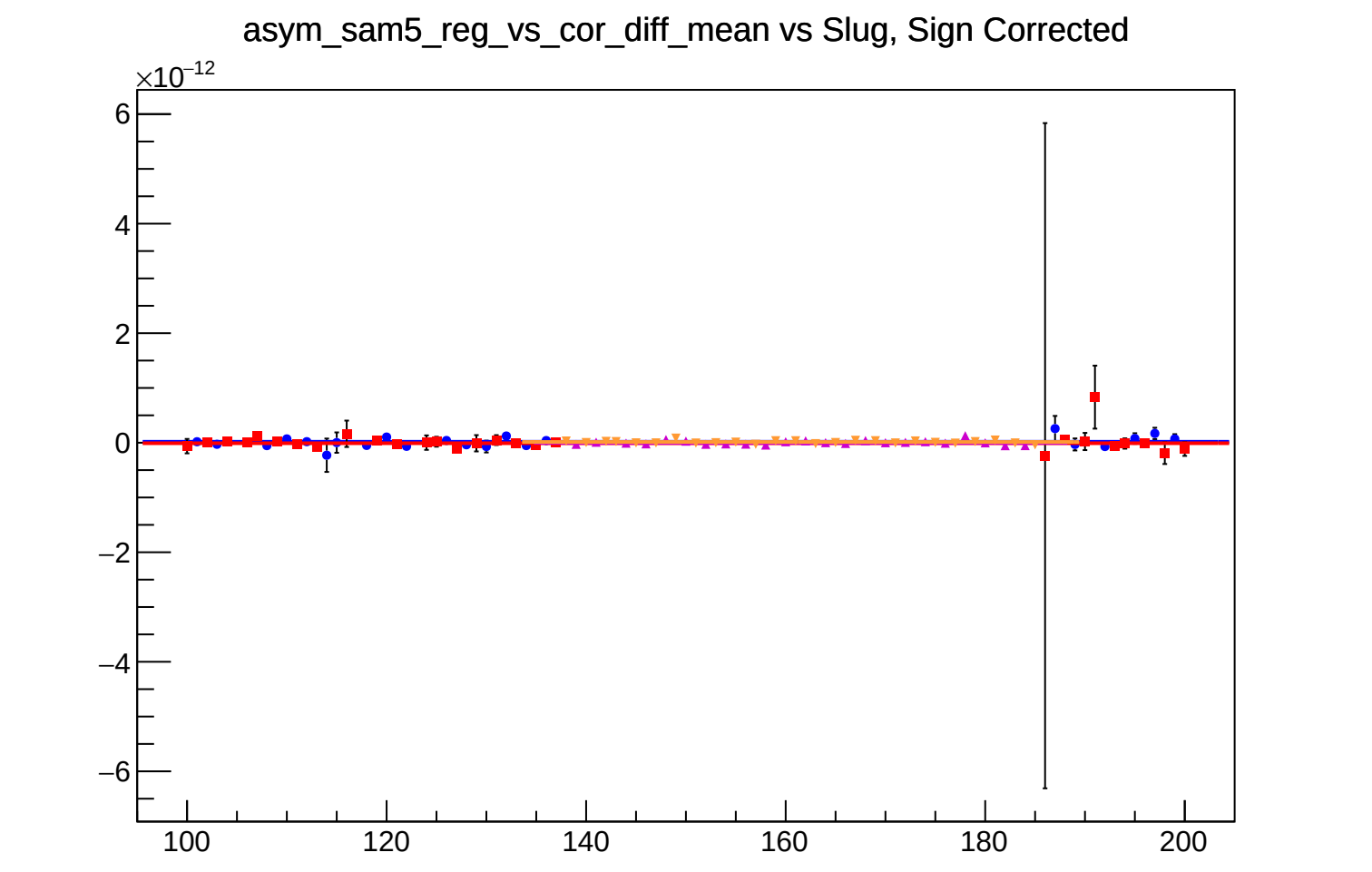
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 771.146+/-0.116 χ^2/NDF: 5405759.7/49

In: 891.127+/-0.119 χ^2/NDF:3370597.2/44

Out: 873.016+/-0.112 χ^2/NDF:4732828.8/52

All: 881.513+/-0.082 χ^2/NDF: 8115659.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/21

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

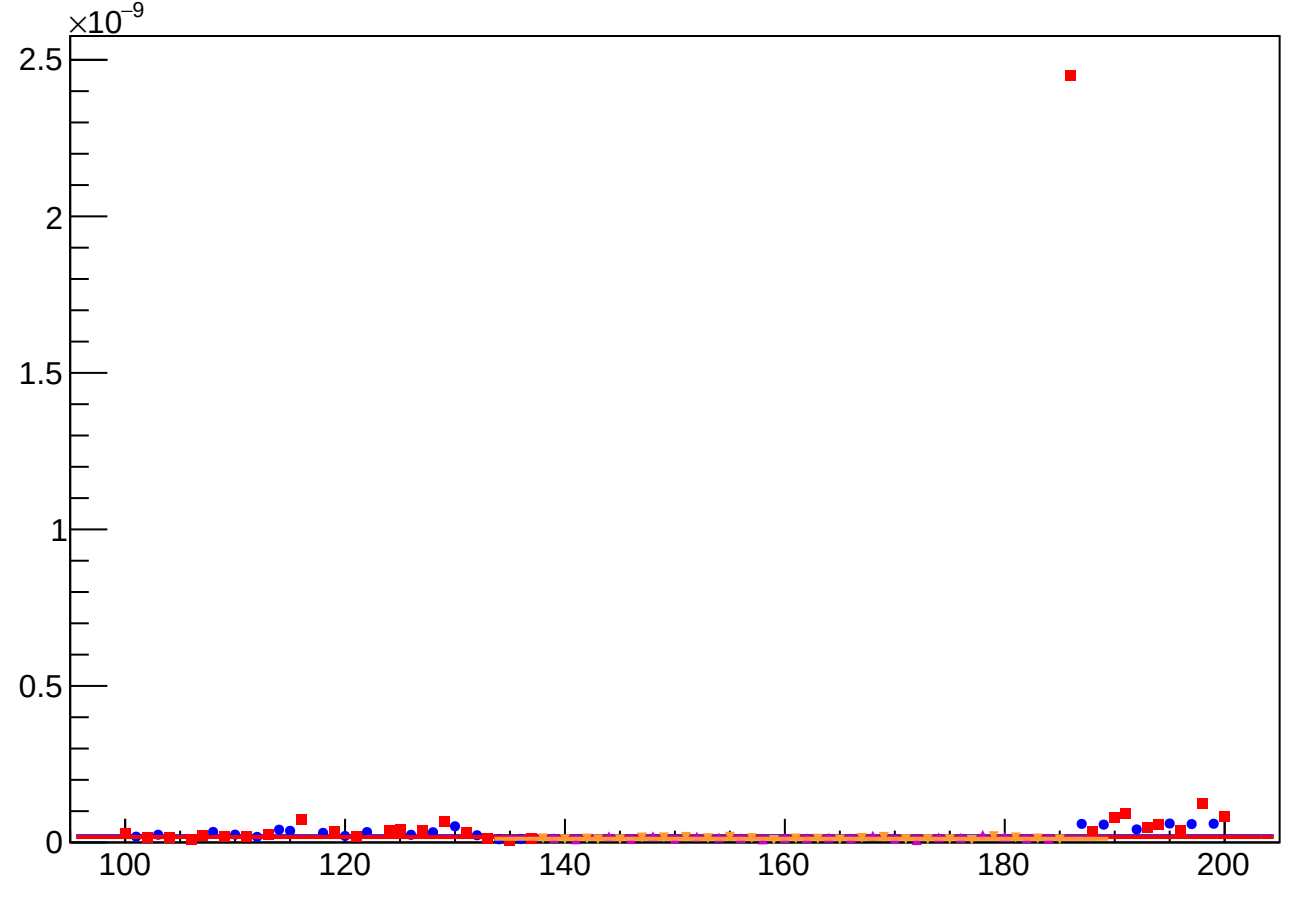
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 47.2/49

In: 0.000+/-0.000 χ^2/NDF:54.7/44

Out: 0.000+/-0.000 χ^2/NDF:48.0/52

All: 0.000+/-0.000 χ^2/NDF: 104.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 2791576.5/21

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

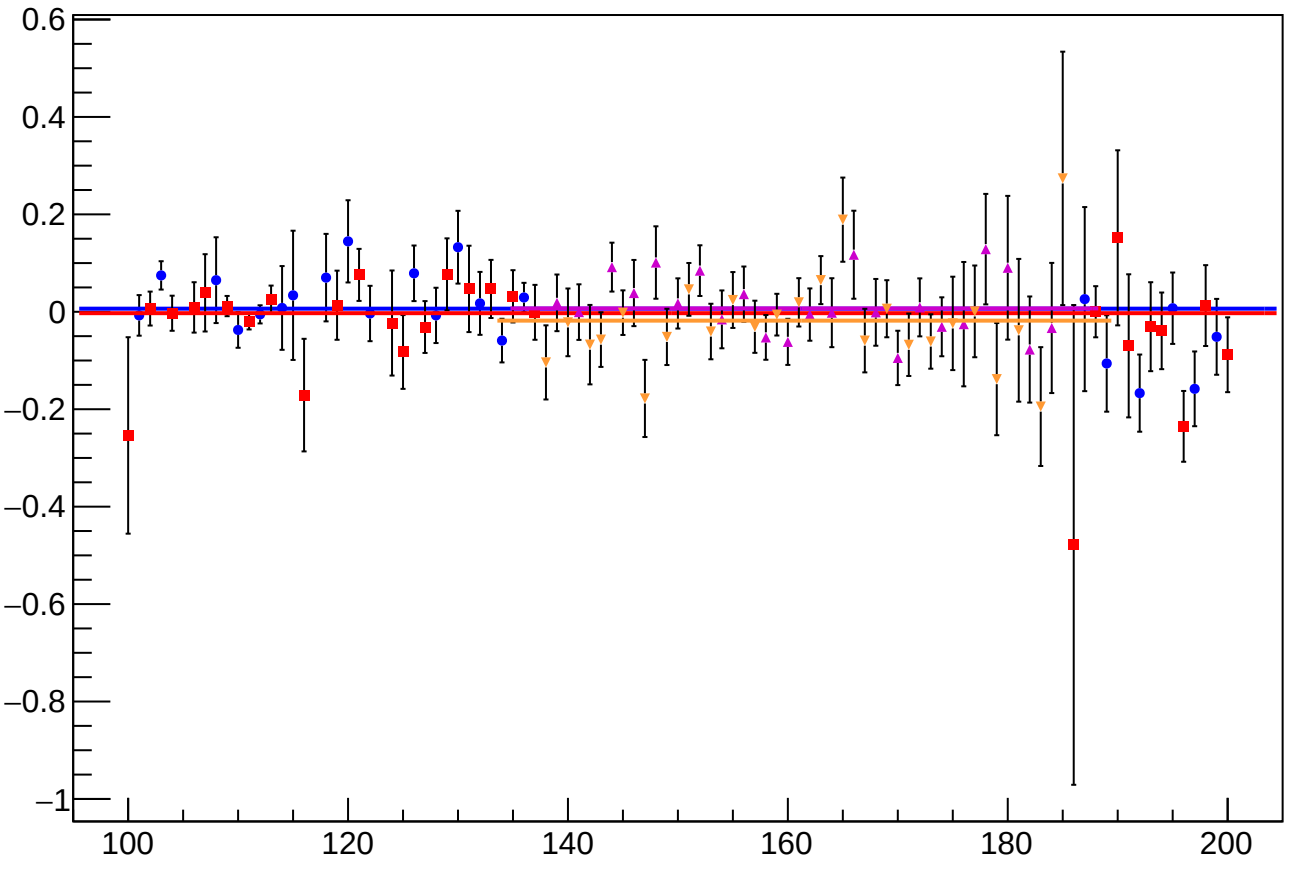
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7664692.9/49

In: 0.000+/-0.000 χ^2/NDF:4290649.2/44

Out: 0.000+/-0.000 χ^2/NDF:6171156.4/52

All: 0.000+/-0.000 χ^2/NDF: 10651182.7/97



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

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

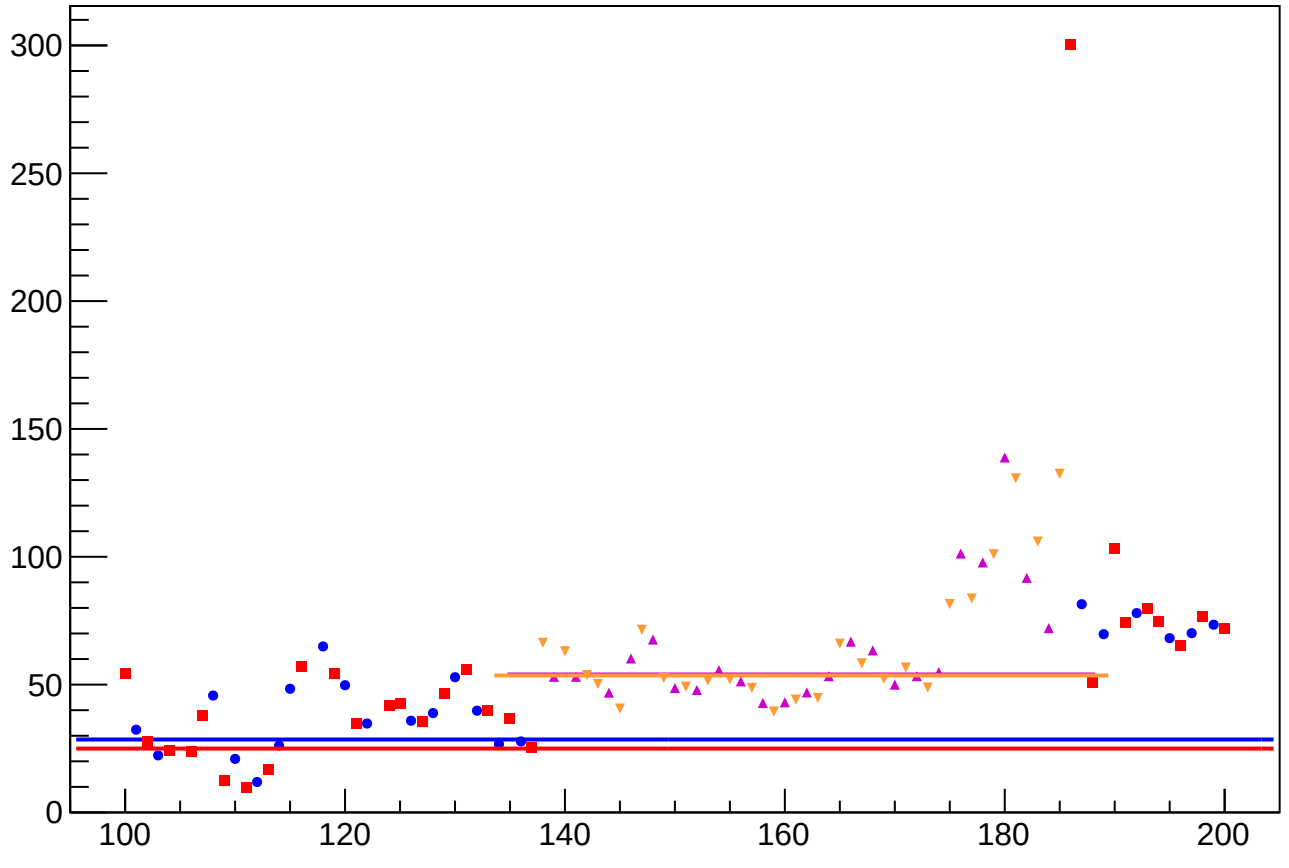
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 56.6/49

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.001+/-0.005 χ^2/NDF: 101.9/97



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

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

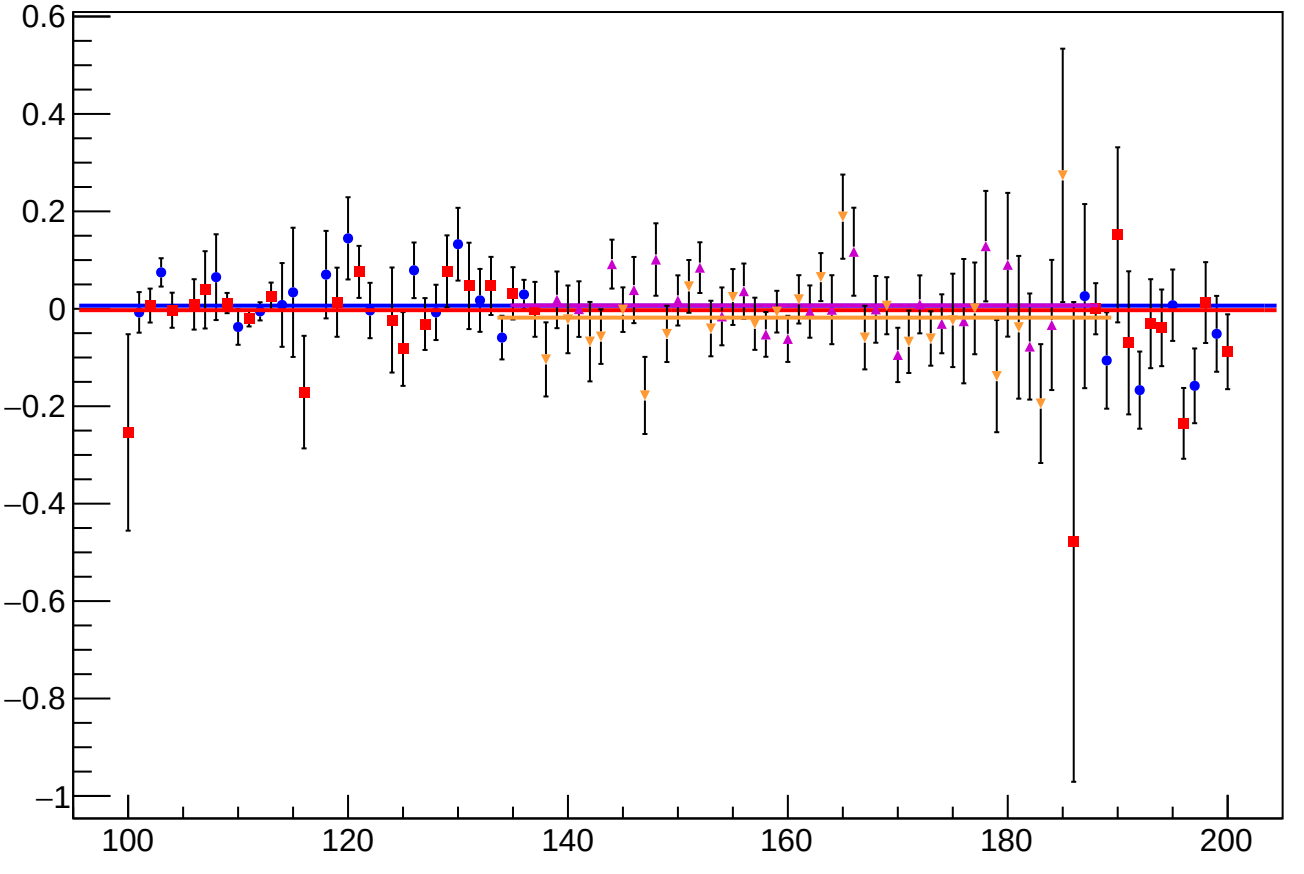
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.510+/-0.005 χ^2/NDF: 15456519.6/49

In: 37.974+/-0.006 χ^2/NDF:12596159.6/44

Out: 34.135+/-0.005 χ^2/NDF:18859365.6/52

All: 35.855+/-0.004 χ^2/NDF: 31707380.5/97



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

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

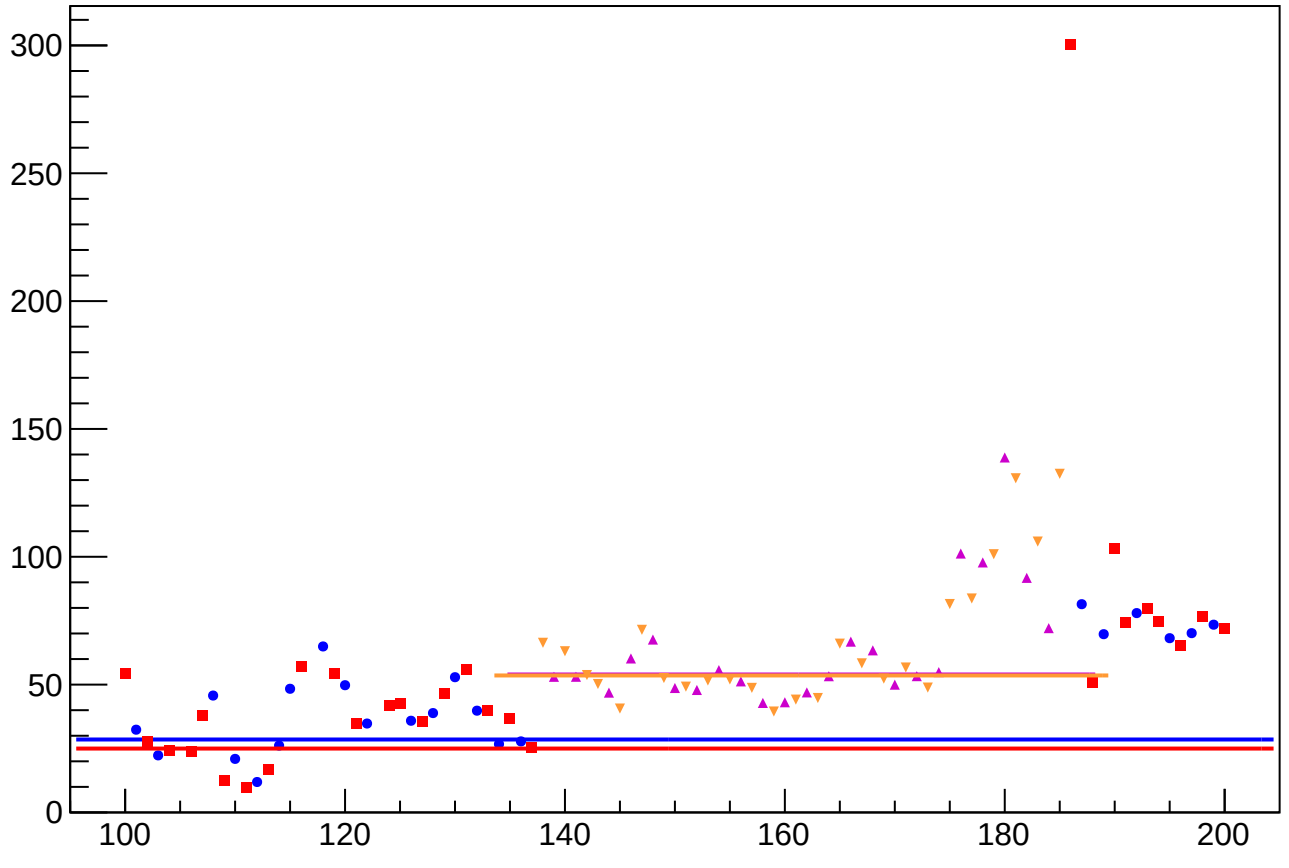
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 56.6/49

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.001+/-0.005 χ^2/NDF: 101.9/97



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

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

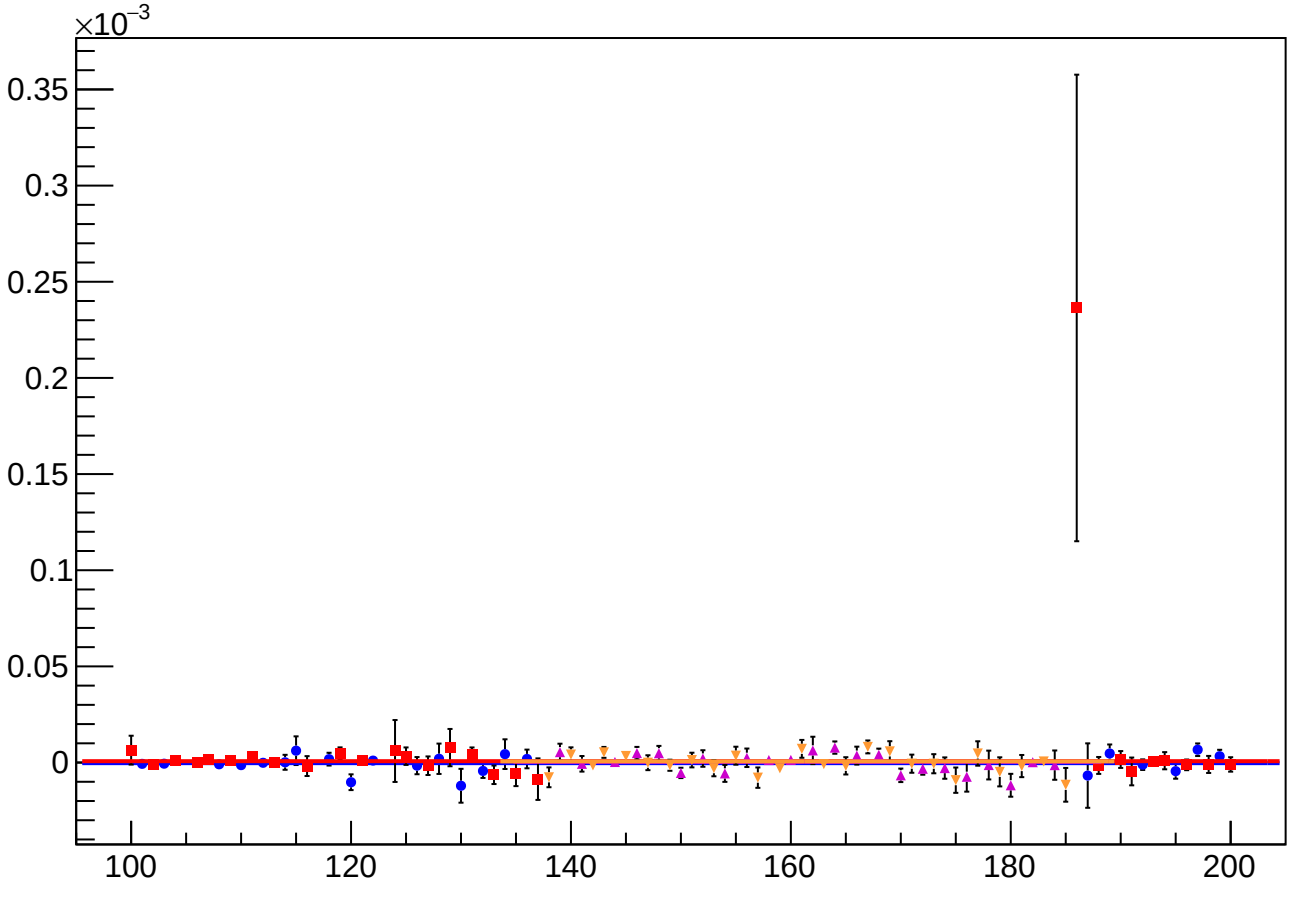
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.510+/-0.005 χ^2/NDF: 15456519.6/49

In: 37.974+/-0.006 χ^2/NDF:12596159.6/44

Out: 34.135+/-0.005 χ^2/NDF:18859365.6/52

All: 35.855+/-0.004 χ^2/NDF: 31707380.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

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

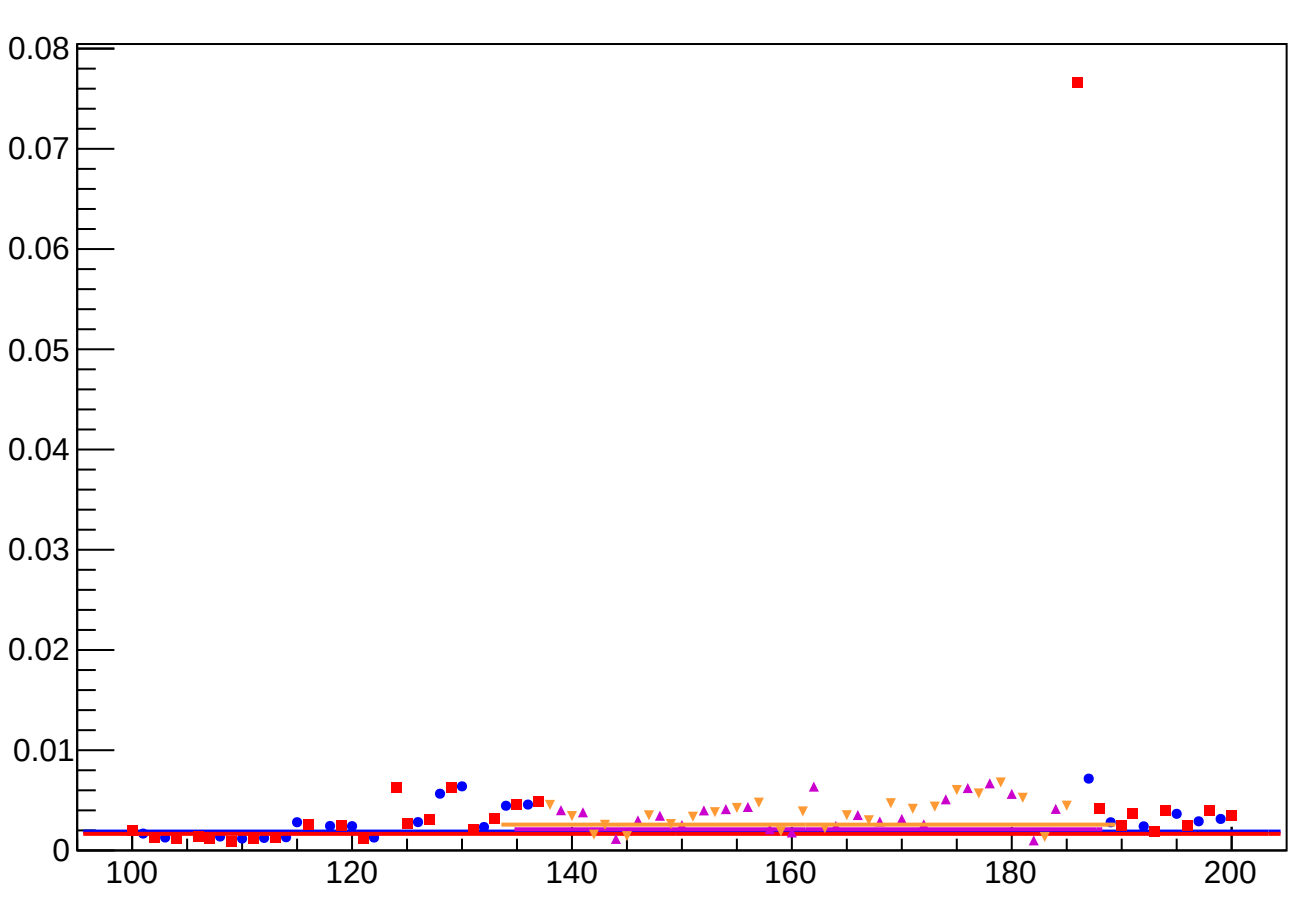
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 38.8/49

In: 0.000+/-0.000 χ^2/NDF:51.3/44

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: 0.000+/-0.000 χ^2/NDF: 100.8/97



Right In: 0.002+/-0.000 χ^2/NDF: 4378770.5/21

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6755355.8/27

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

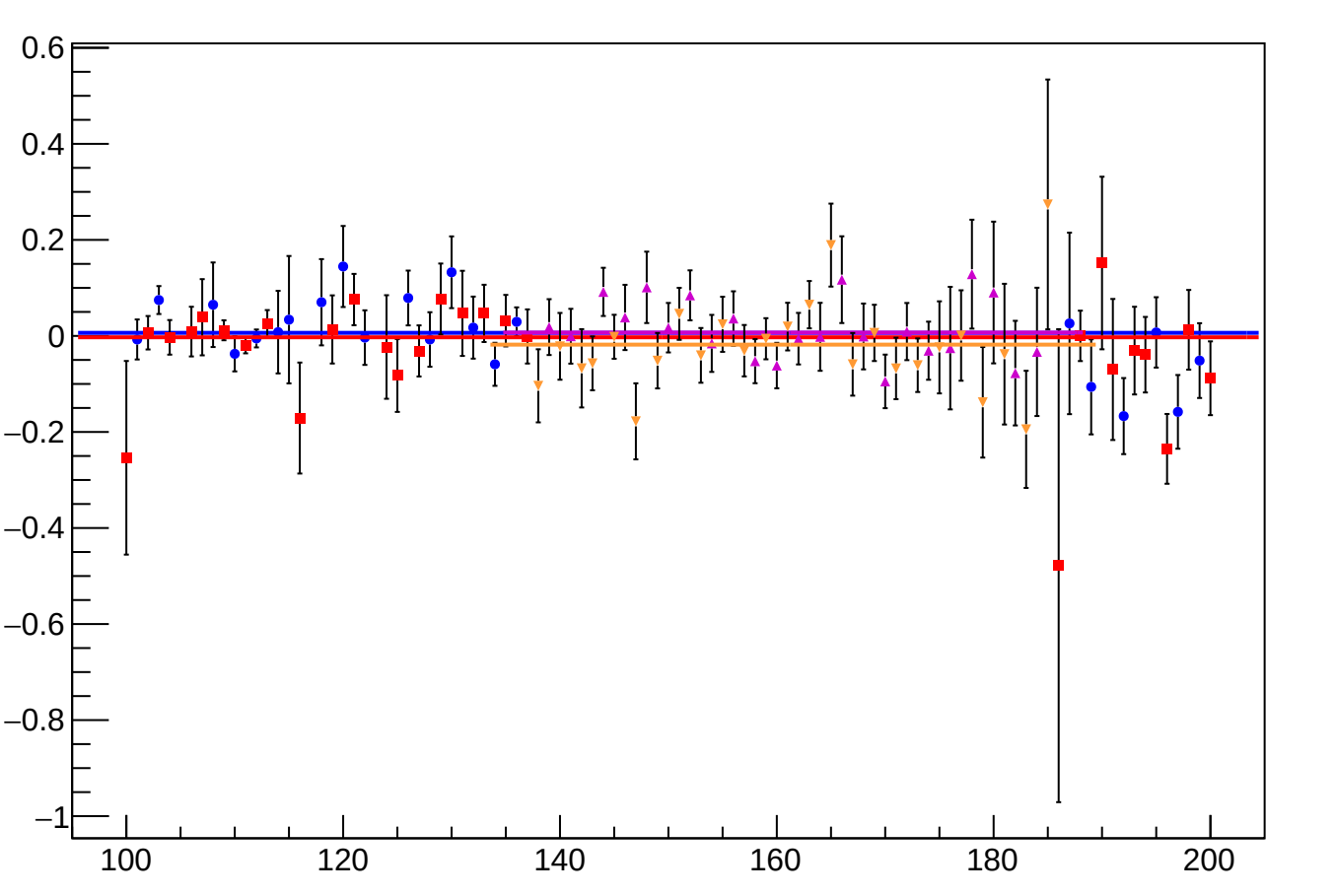
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 11282835.1/49

In: 0.002+/-0.000 χ^2/NDF:14007759.7/44

Out: 0.002+/-0.000 χ^2/NDF:16210924.0/52

All: 0.002+/-0.000 χ^2/NDF: 30219048.7/97



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

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

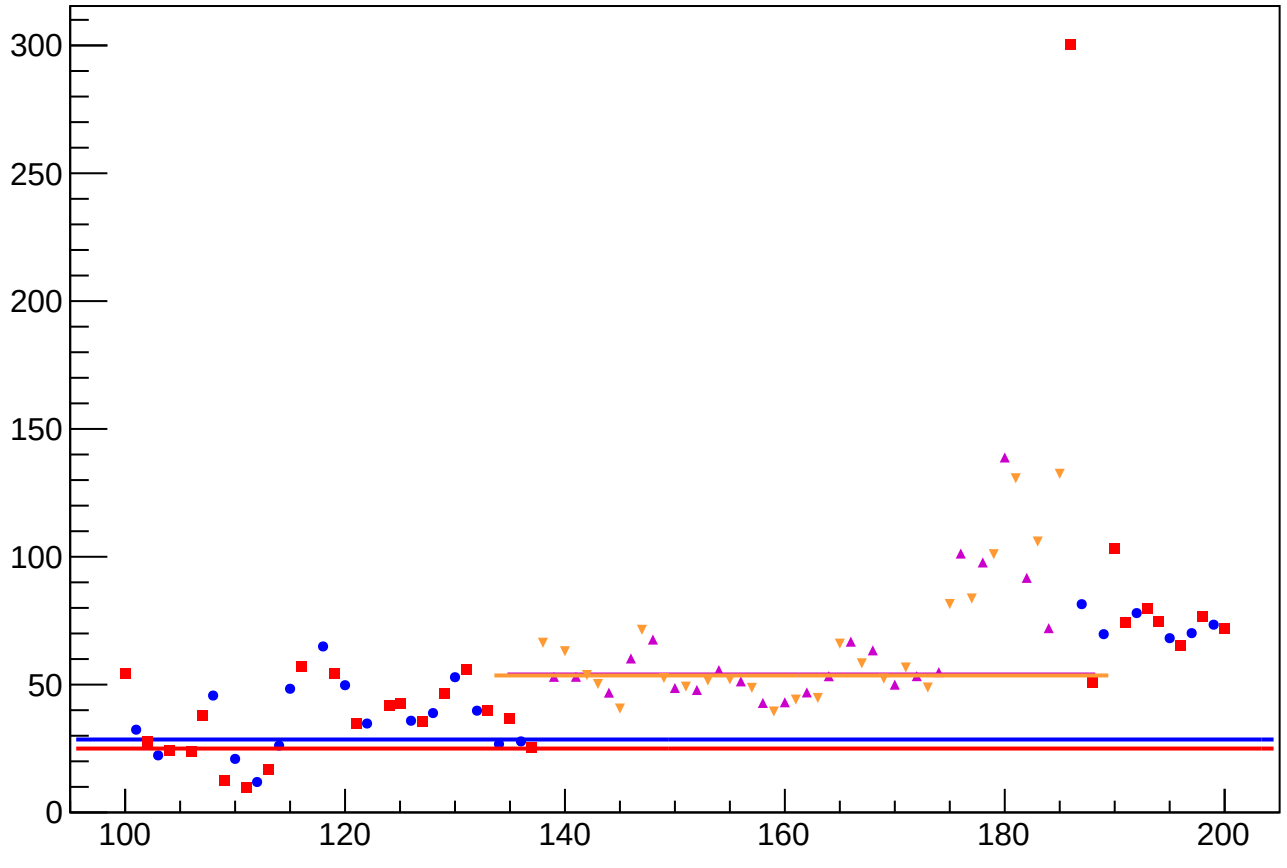
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 56.6/49

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.001+/-0.005 χ^2/NDF: 101.9/97



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

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

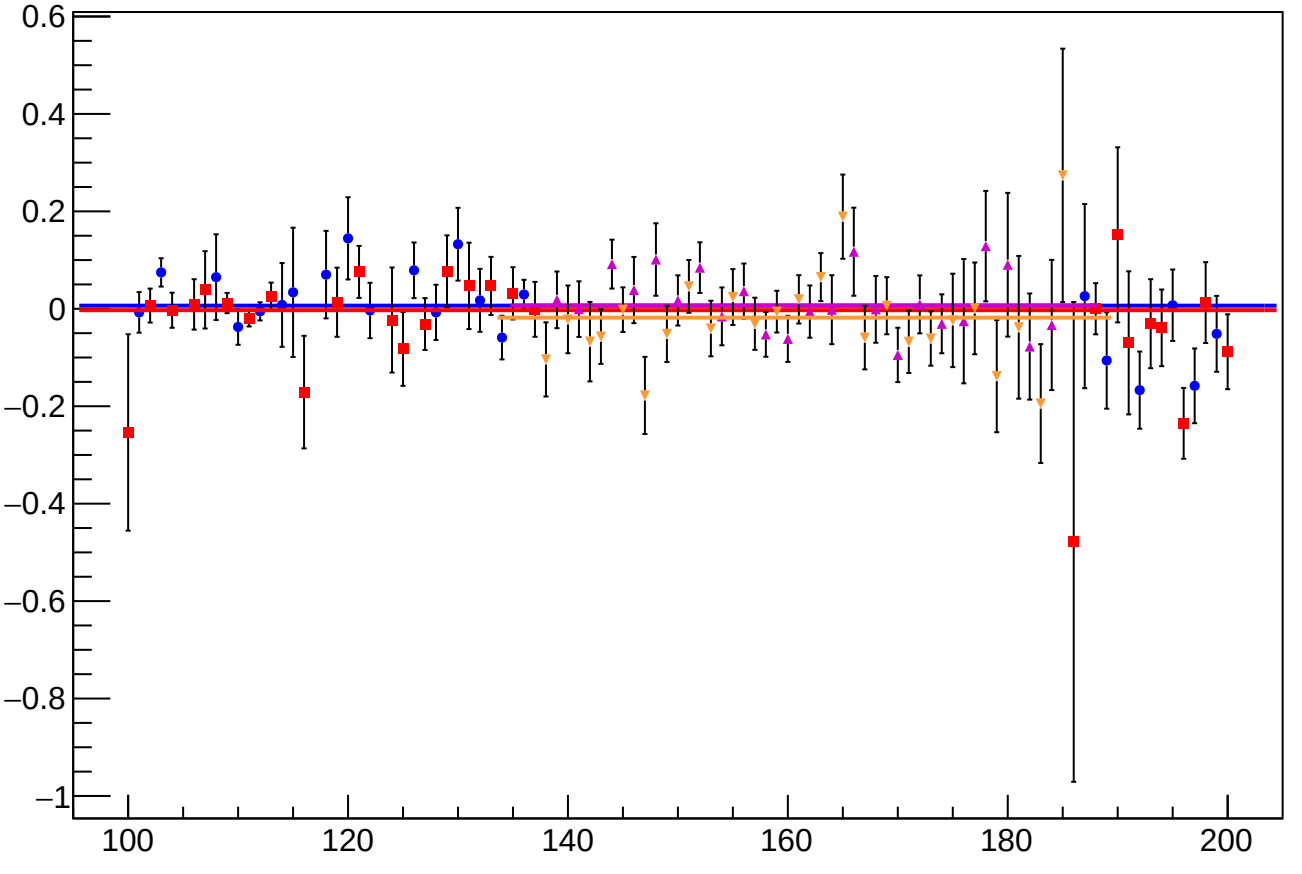
Right: 26.509+/-0.005 χ^2/NDF: 15456692.7/49

In: 37.973+/-0.006 χ^2/NDF:12596607.0/44

Out: 34.135+/-0.005 χ^2/NDF:18860018.7/52

All: 35.854+/-0.004 χ^2/NDF: 31708498.5/97

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

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

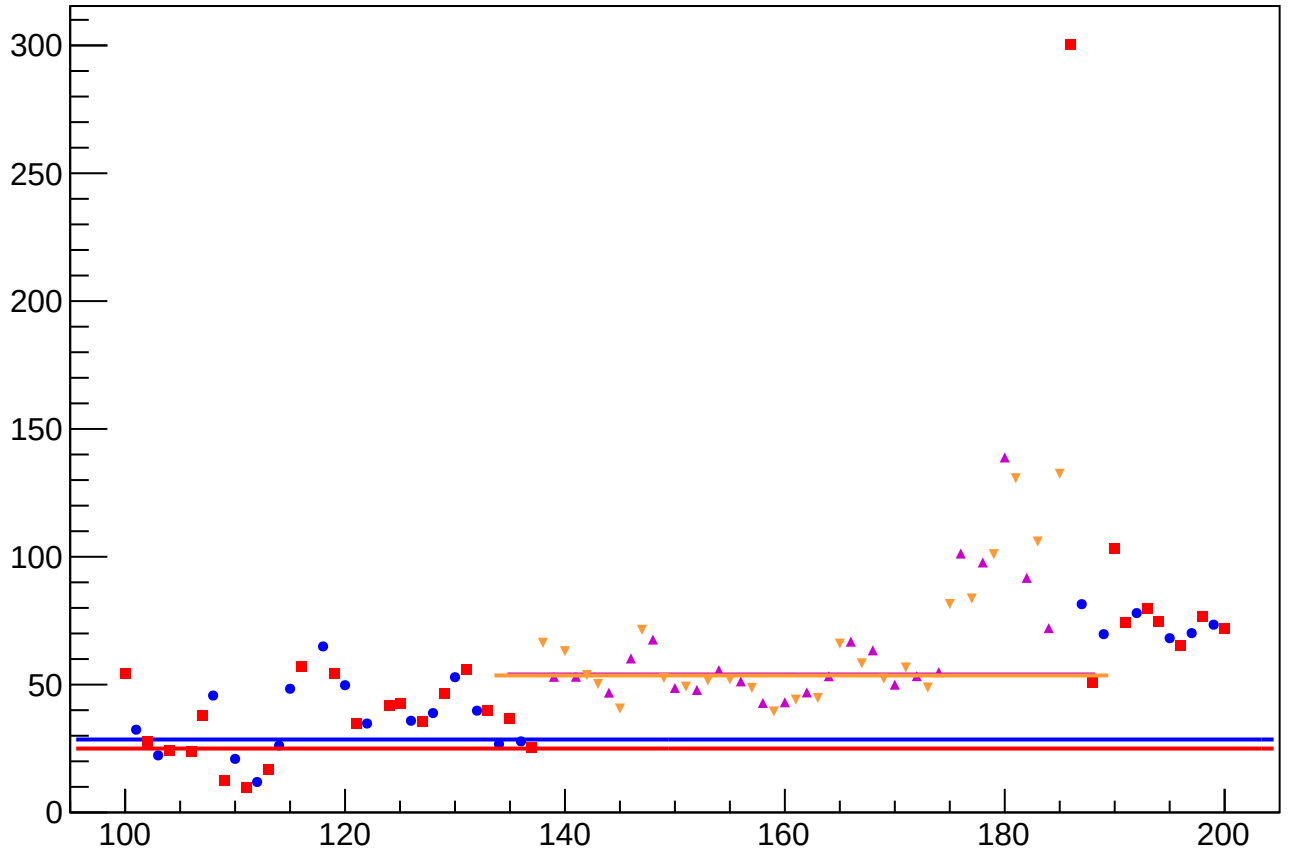
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 56.6/49

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.008+/-0.007 χ^2/NDF:51.8/52

All: -0.001+/-0.005 χ^2/NDF: 101.9/97



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

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

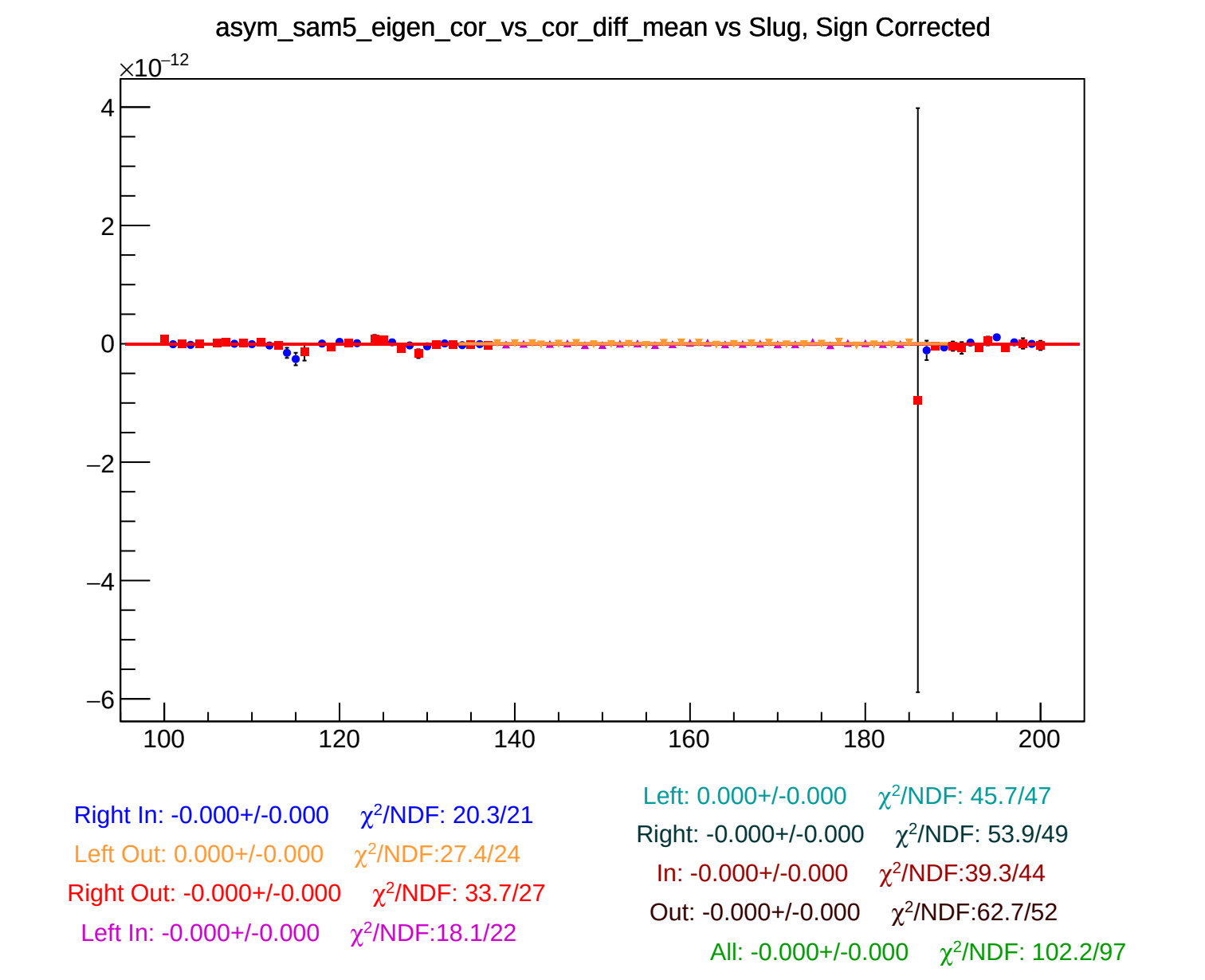
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

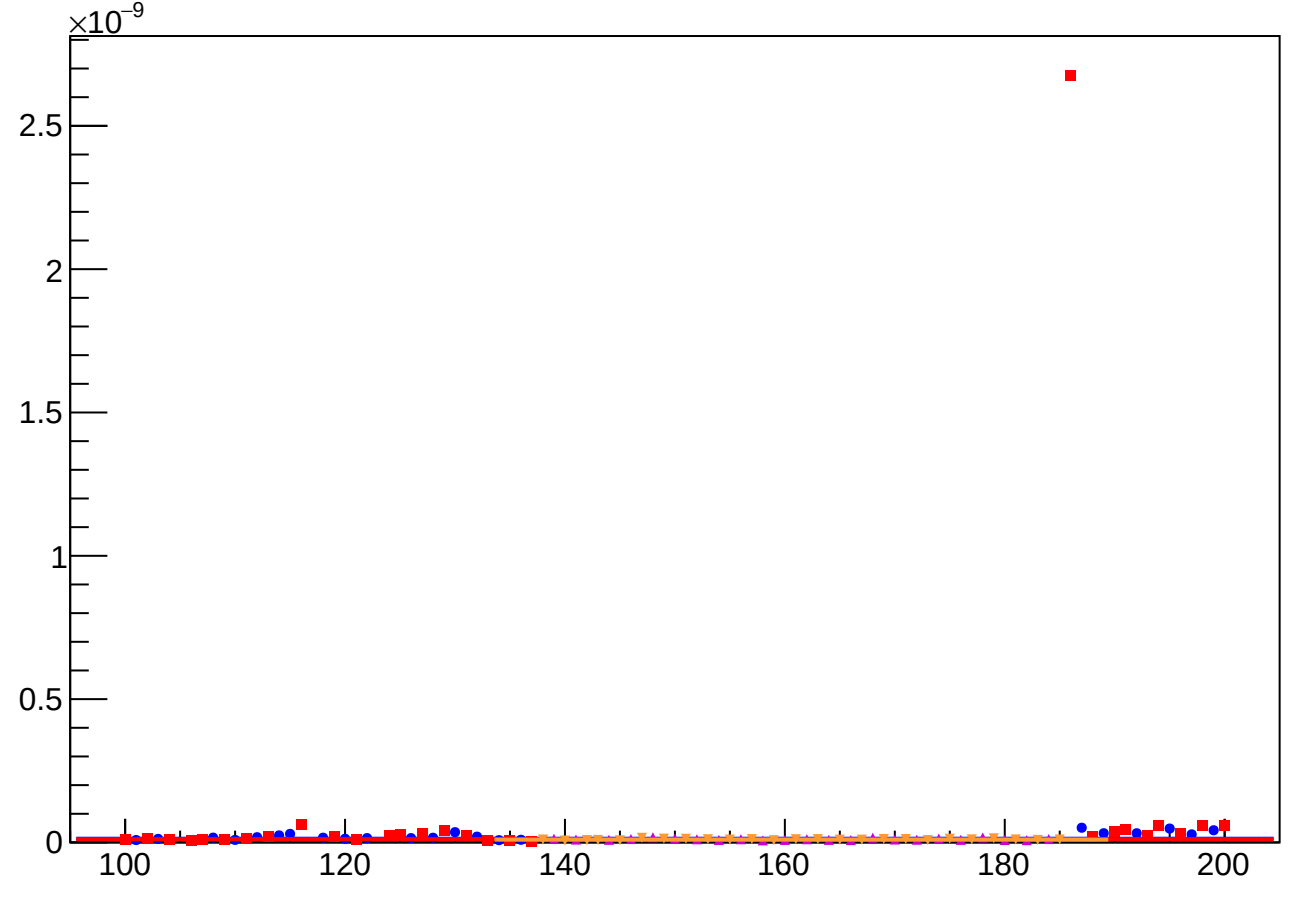
Right: 26.509+/-0.005 χ^2/NDF: 15456692.7/49

In: 37.973+/-0.006 χ^2/NDF:12596607.0/44

Out: 34.135+/-0.005 χ^2/NDF:18860018.7/52

All: 35.854+/-0.004 χ^2/NDF: 31708498.5/97


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.3/21
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.7/27
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 53.9/49
In: -0.000+/-0.000 χ²/NDF:39.3/44
Out: -0.000+/-0.000 χ²/NDF:62.7/52
All: -0.000+/-0.000 χ²/NDF: 102.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 3500385.3/21

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

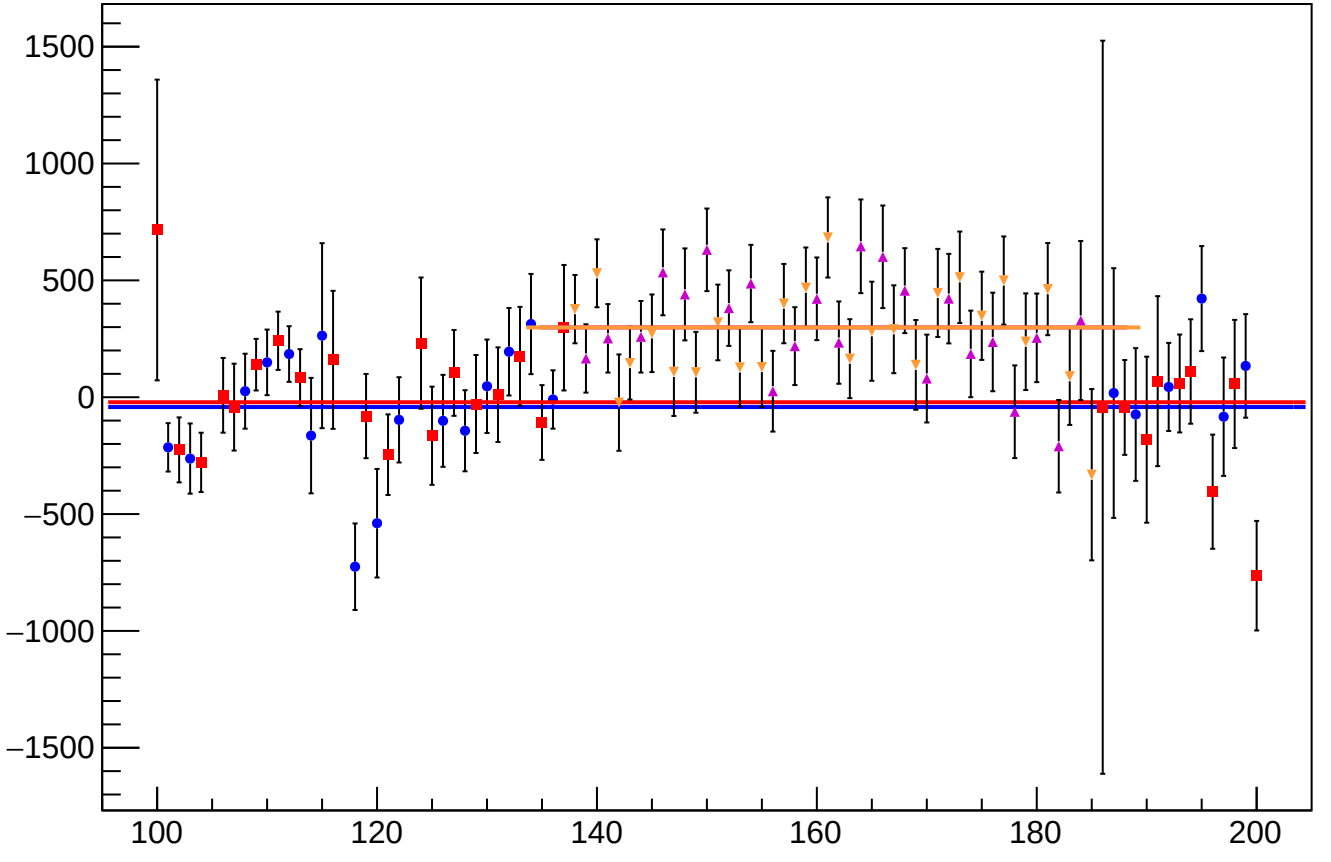
Right: 0.000+/-0.000 χ^2/NDF: 10399112.7/49

In: 0.000+/-0.000 χ^2/NDF:5200344.8/44

Out: 0.000+/-0.000 χ^2/NDF:8187735.9/52

All: 0.000+/-0.000 χ^2/NDF: 13437040.2/97

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.139+/-37.891 χ^2/NDF: 39.9/21

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

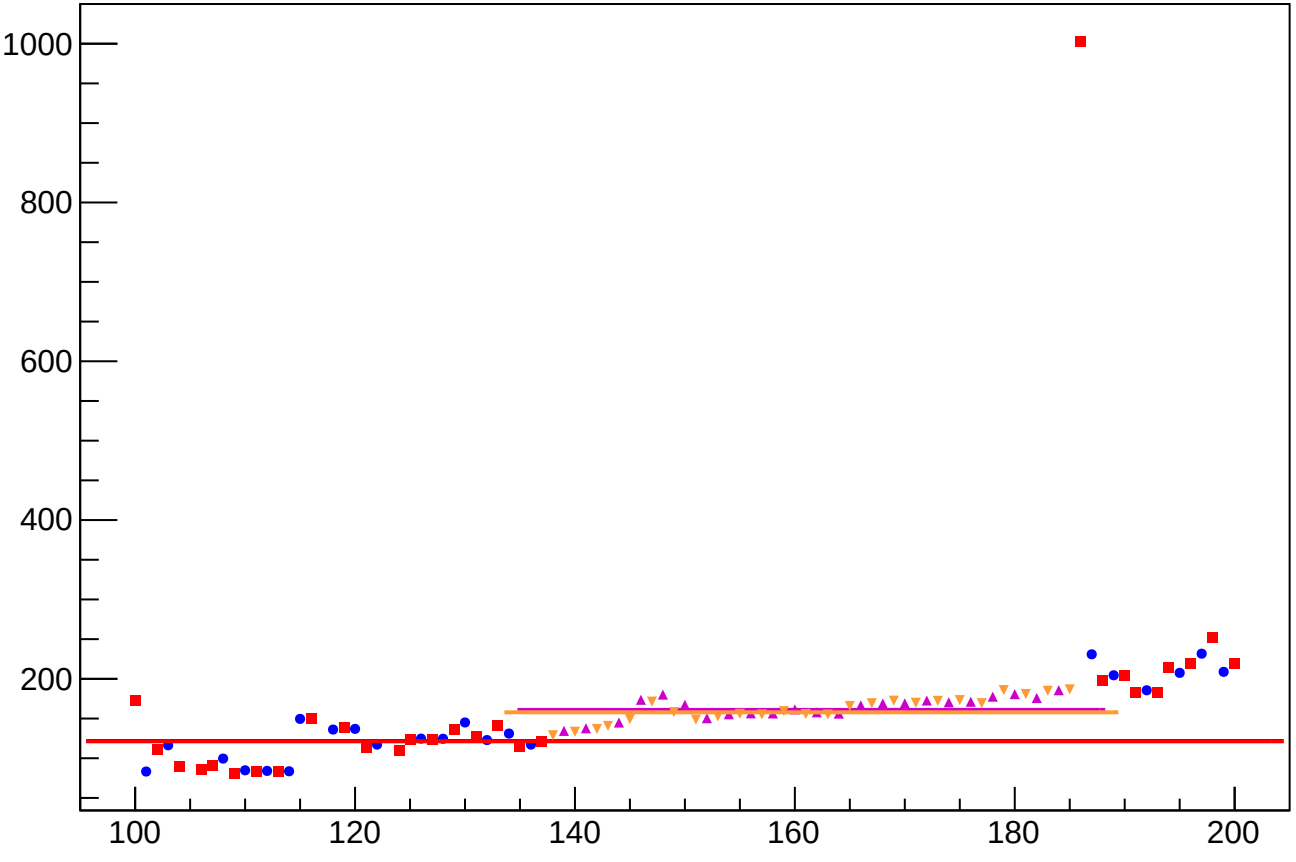
Right: -31.143+/-25.908 χ^2/NDF: 74.9/49

In: 129.008+/-26.735 χ^2/NDF:110.0/44

Out: 136.075+/-25.297 χ^2/NDF:100.8/52

All: 132.736+/-18.375 χ^2/NDF: 210.8/97

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230089.3/21

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

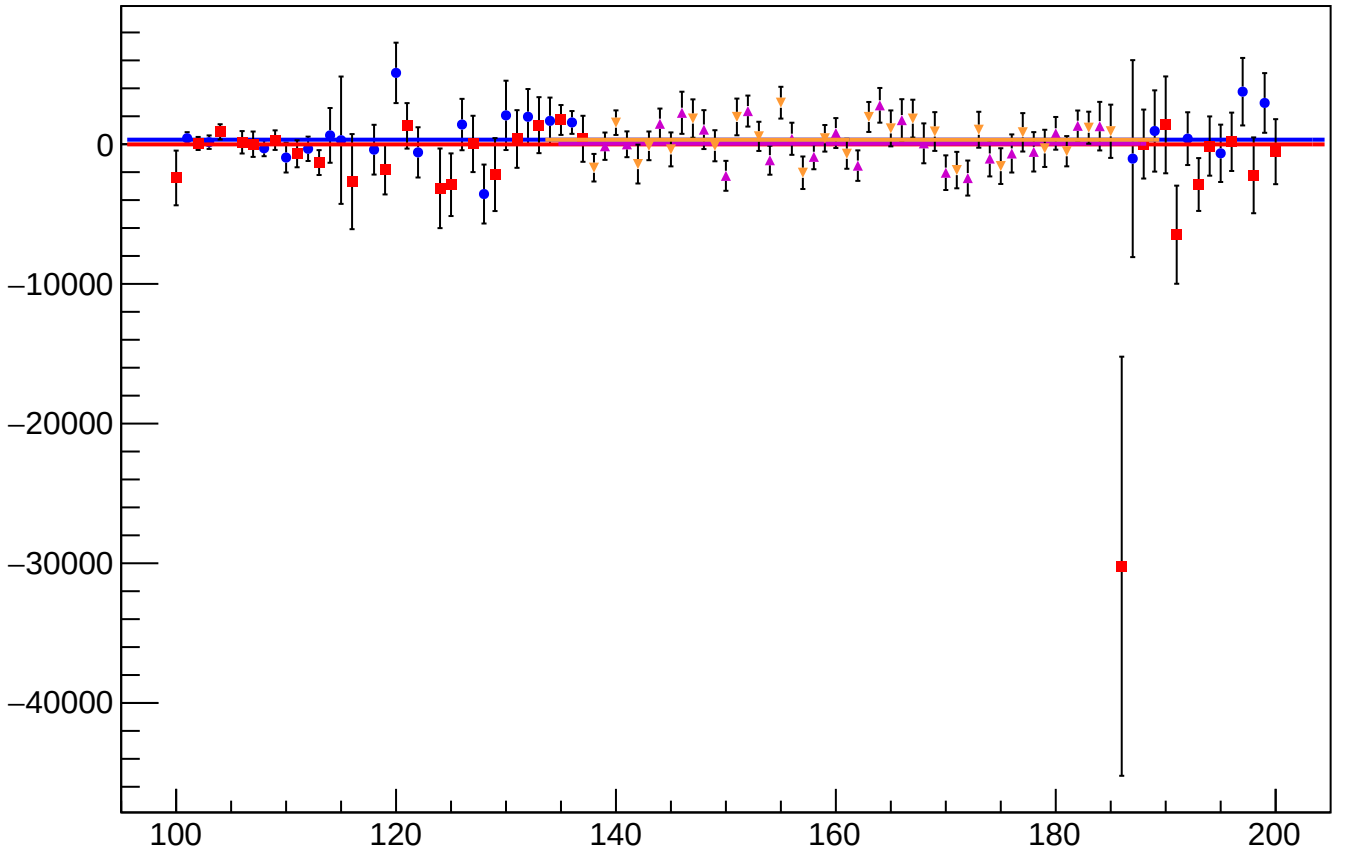
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 121.513+/-0.018 χ^2/NDF: 5993573.5/49

In: 141.378+/-0.019 χ^2/NDF:3571258.8/44

Out: 139.309+/-0.018 χ^2/NDF:5181233.7/52

All: 140.286+/-0.013 χ^2/NDF: 8758817.2/97



Right In: 324.690+/-224.498 χ^2/NDF: 20.4/21

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

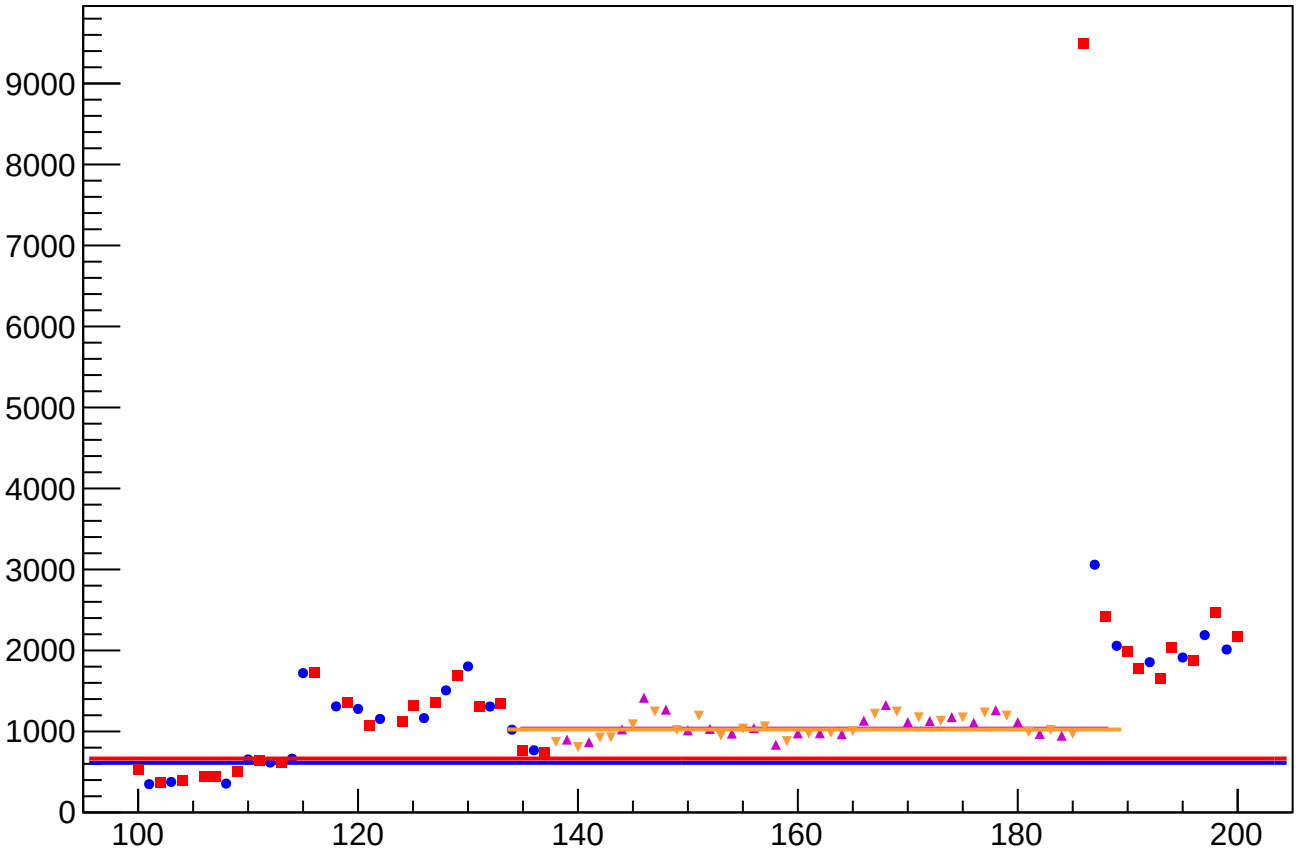
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 155.569+/-158.550 χ^2/NDF: 48.3/49

In: 193.898+/-165.257 χ^2/NDF:55.9/44

Out: 145.546+/-162.150 χ^2/NDF:60.4/52

All: 169.263+/-115.740 χ^2/NDF: 116.3/97



Right In: 612.998+/-0.159 χ^2/NDF: 7966793.5/21

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

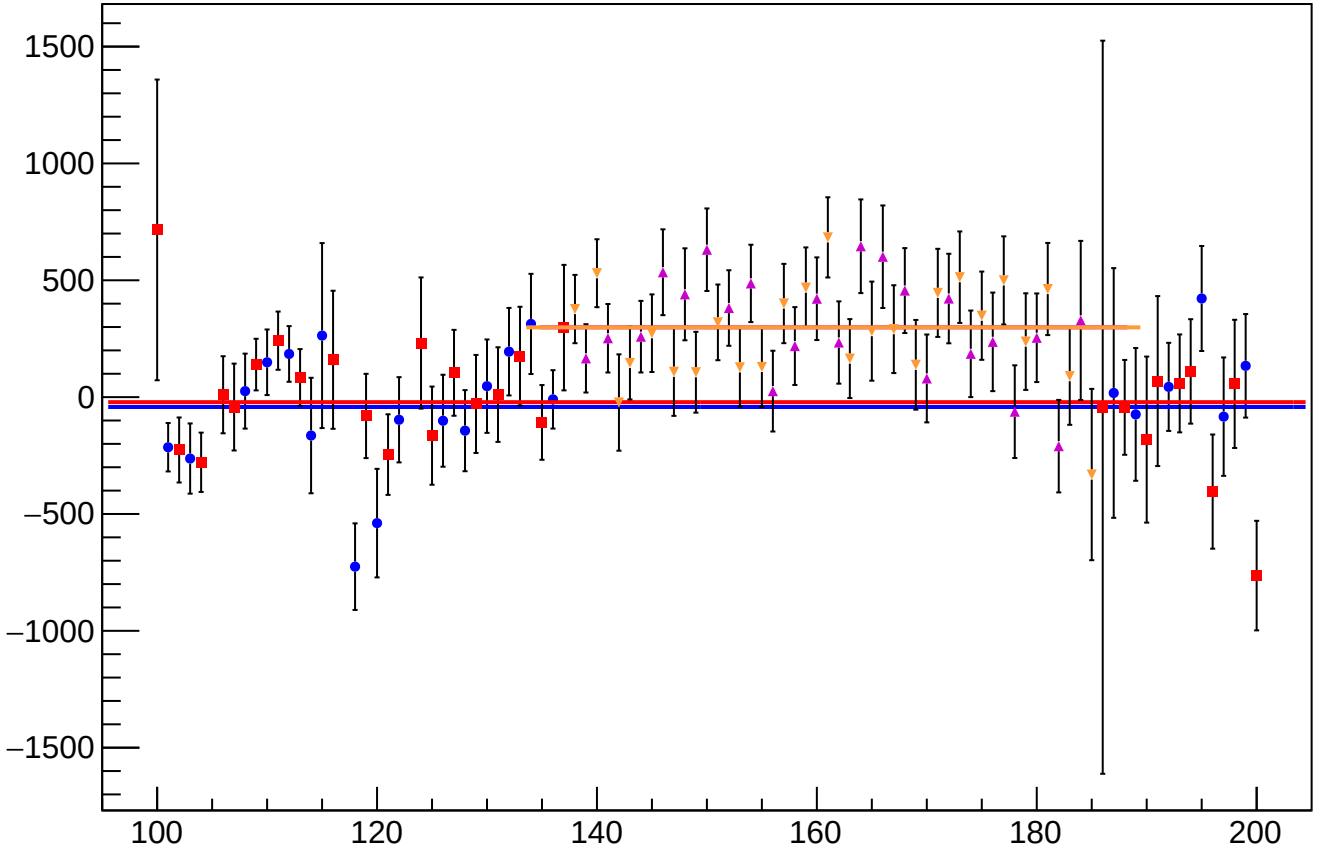
Right: 639.407+/-0.112 χ^2/NDF: 17489137.9/49

In: 806.067+/-0.117 χ^2/NDF:11824076.9/44

Out: 836.393+/-0.115 χ^2/NDF:12507241.1/52

All: 821.518+/-0.082 χ^2/NDF: 24365633.2/97

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

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

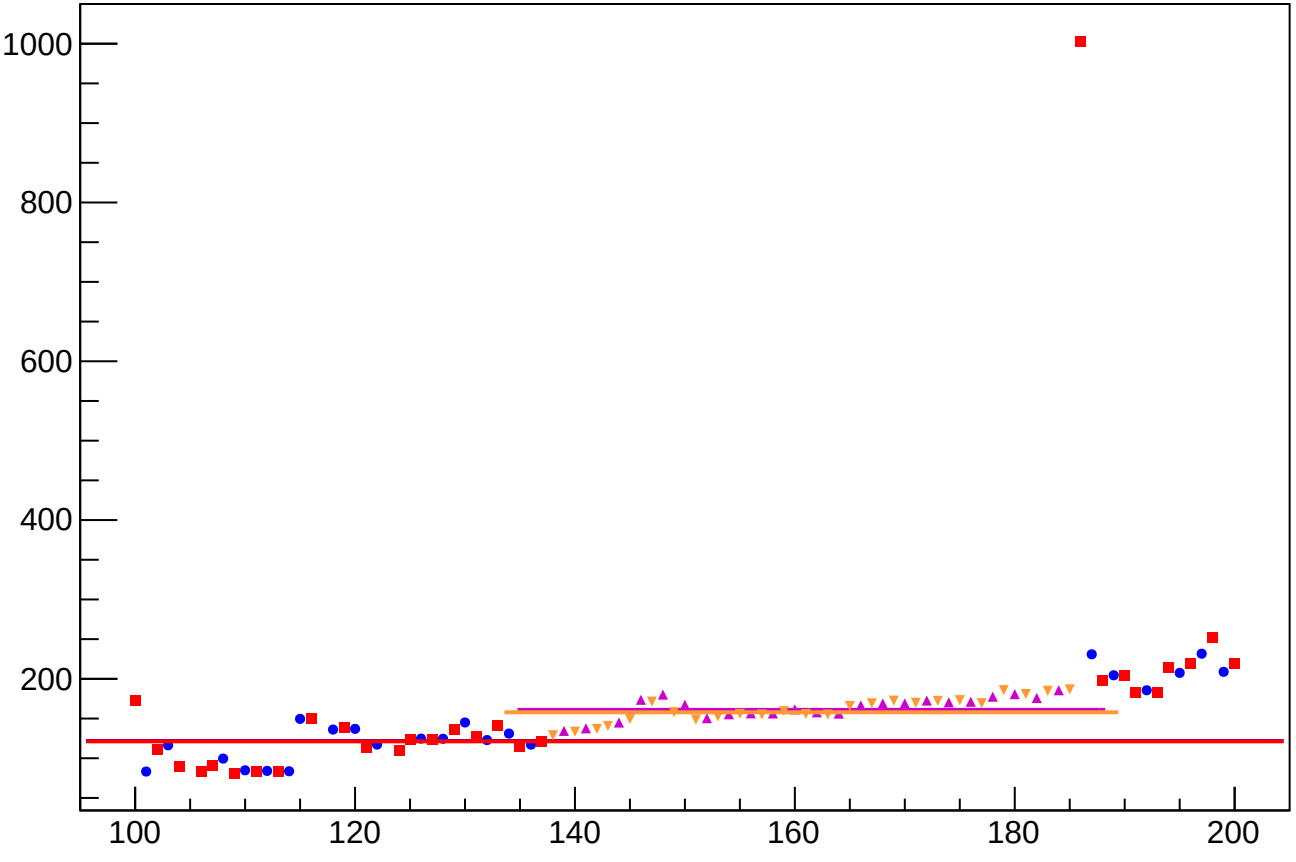
Right: -31.186+/-25.929 χ^2/NDF: 74.9/49

In: 129.000+/-26.735 χ^2/NDF:110.0/44

Out: 136.300+/-25.316 χ^2/NDF:100.8/52

All: 132.849+/-18.382 χ^2/NDF: 210.8/97

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

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

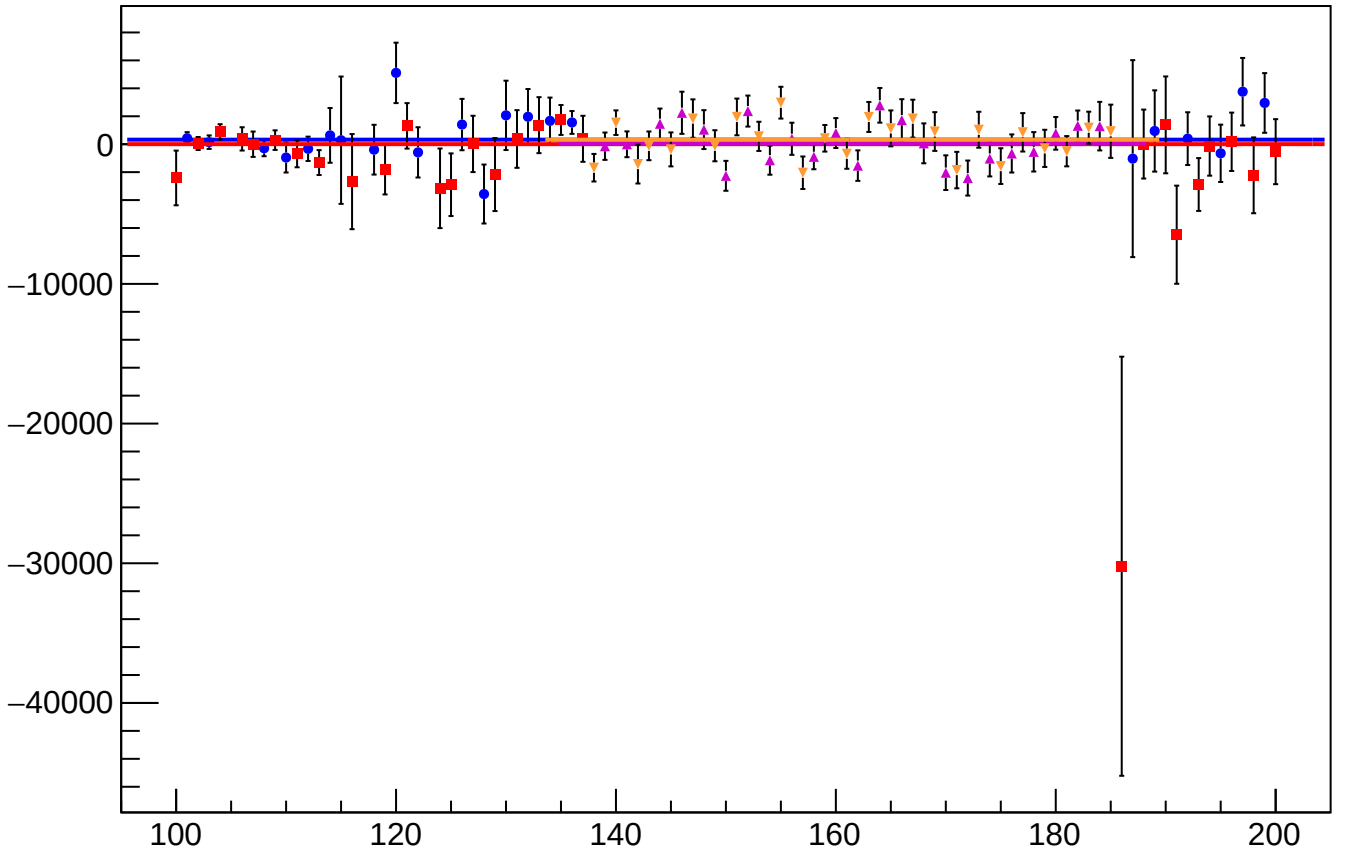
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 121.492+/-0.018 χ^2/NDF: 6004766.0/49

In: 141.378+/-0.019 χ^2/NDF:3571254.8/44

Out: 139.316+/-0.018 χ^2/NDF:5193133.1/52

All: 140.291+/-0.013 χ^2/NDF: 8770664.1/97



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

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

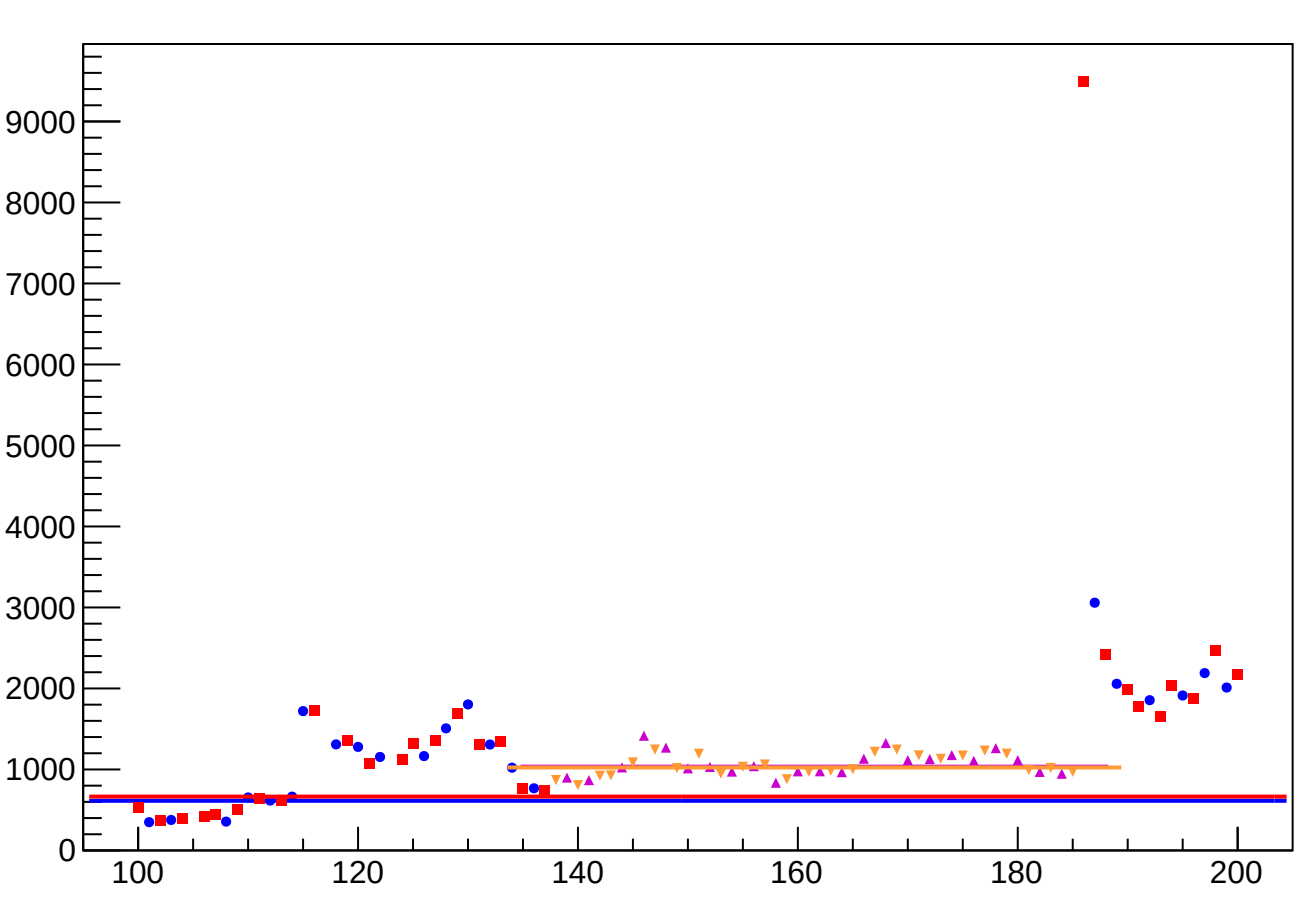
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 164.085+/-158.747 χ^2/NDF: 48.4/49

In: 193.973+/-165.255 χ^2/NDF:55.9/44

Out: 154.357+/-162.363 χ^2/NDF:60.5/52

All: 173.815+/-115.817 χ^2/NDF: 116.4/97



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

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

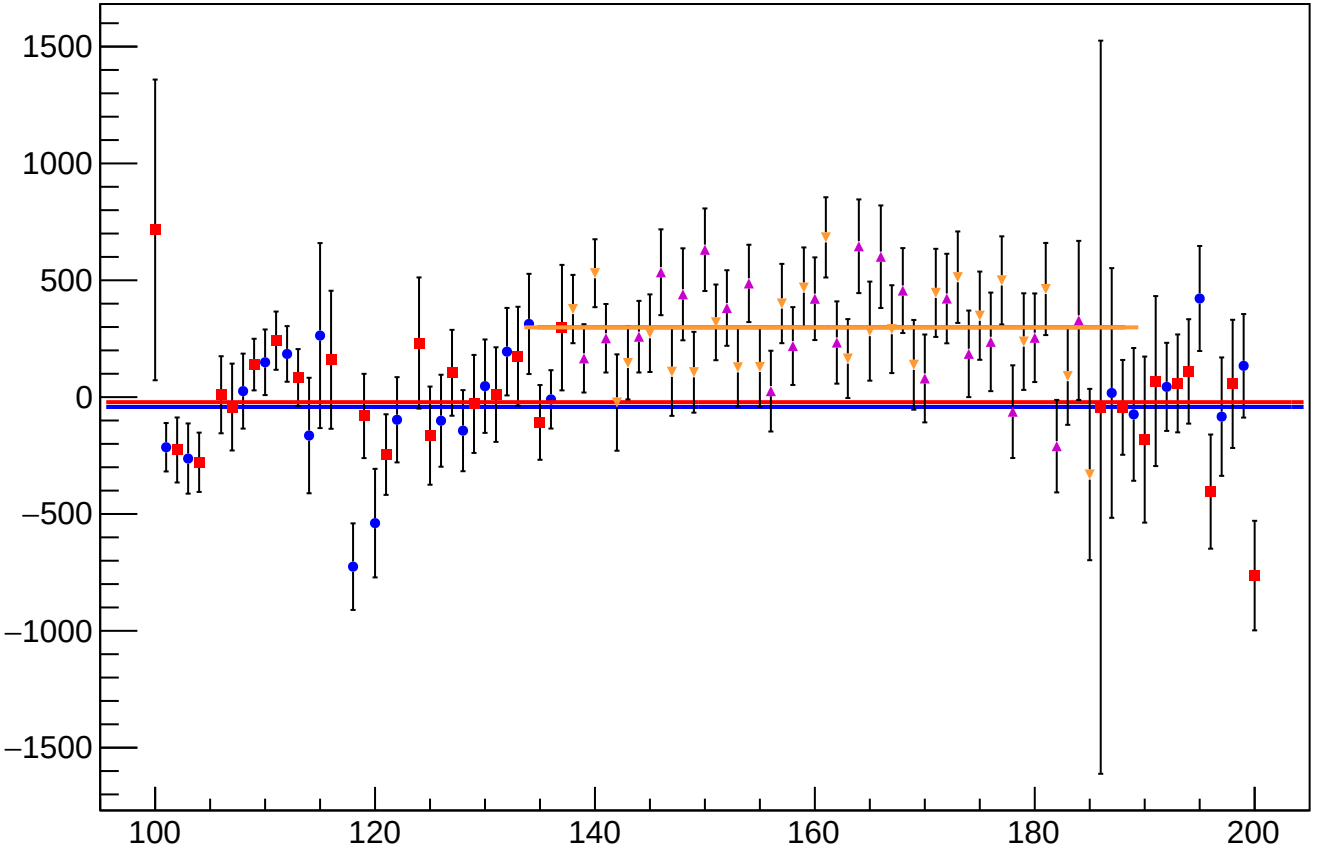
Right: 638.854+/-0.112 χ^2/NDF: 17517061.8/49

In: 806.047+/-0.117 χ^2/NDF:11824886.8/44

Out: 836.346+/-0.115 χ^2/NDF:12543941.1/52

All: 821.464+/-0.082 χ^2/NDF: 24403037.9/97

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

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

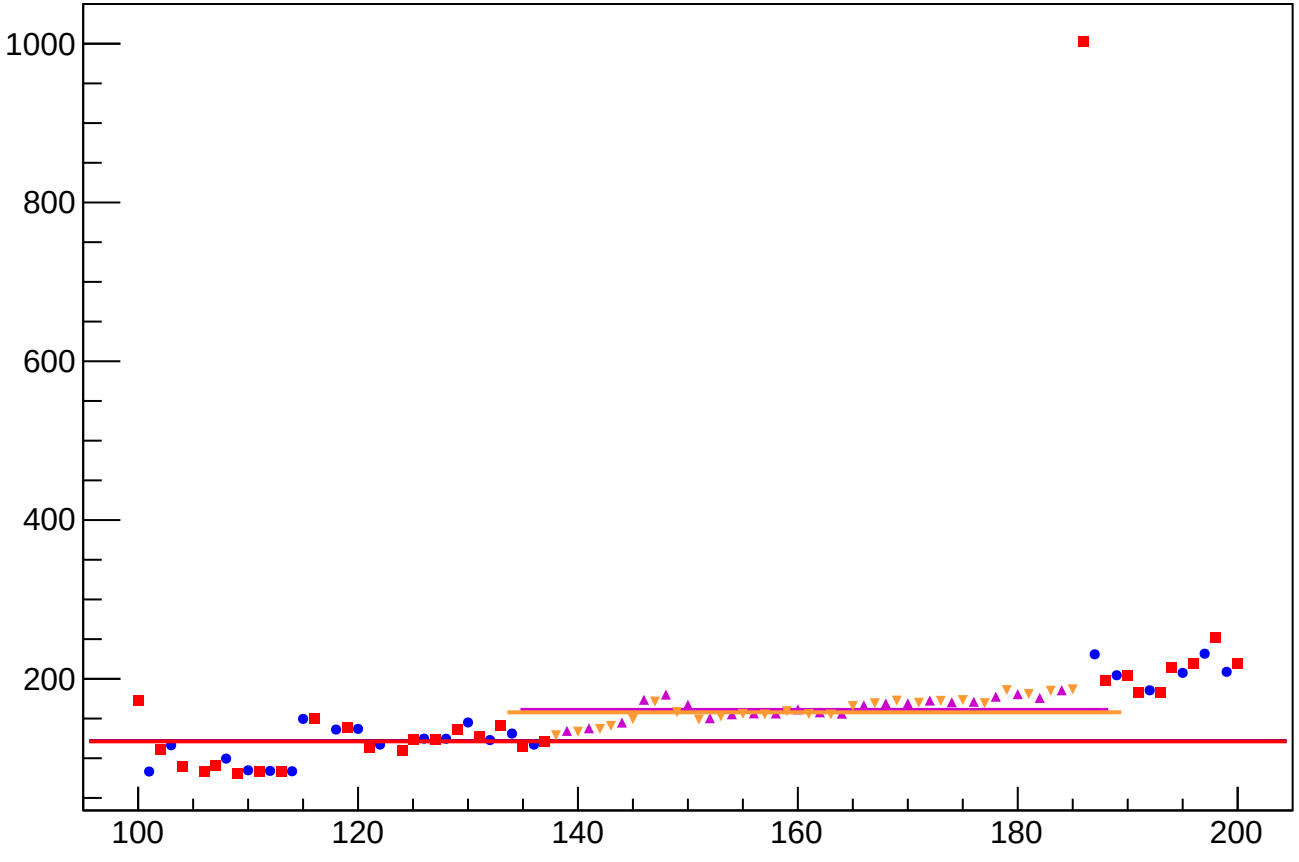
Right: -31.186+/-25.929 χ^2/NDF: 74.9/49

In: 129.000+/-26.735 χ^2/NDF:110.0/44

Out: 136.300+/-25.316 χ^2/NDF:100.8/52

All: 132.849+/-18.382 χ^2/NDF: 210.8/97

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

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

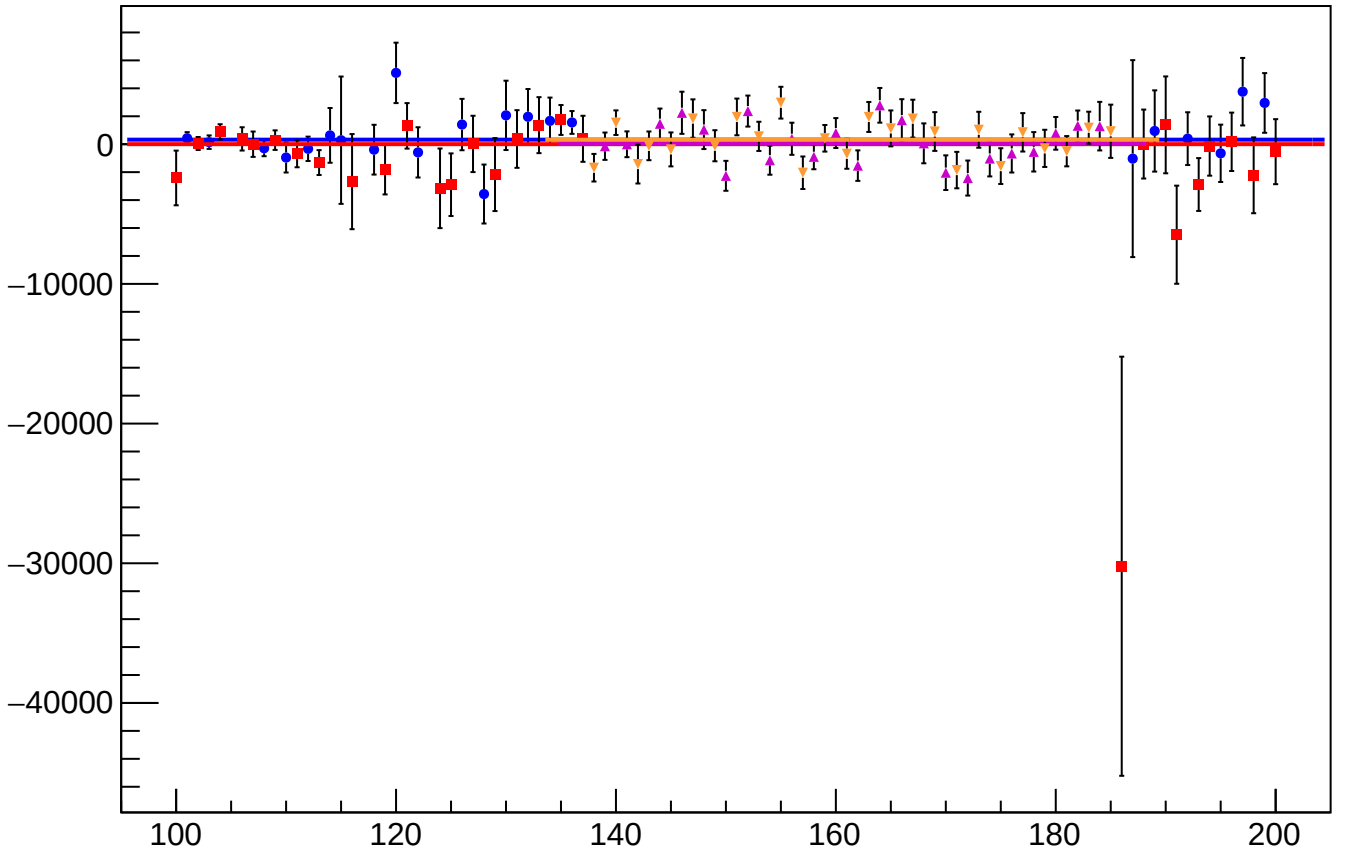
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 121.492+/-0.018 χ^2/NDF: 6004766.0/49

In: 141.378+/-0.019 χ^2/NDF:3571254.8/44

Out: 139.316+/-0.018 χ^2/NDF:5193133.1/52

All: 140.291+/-0.013 χ^2/NDF: 8770664.1/97



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

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

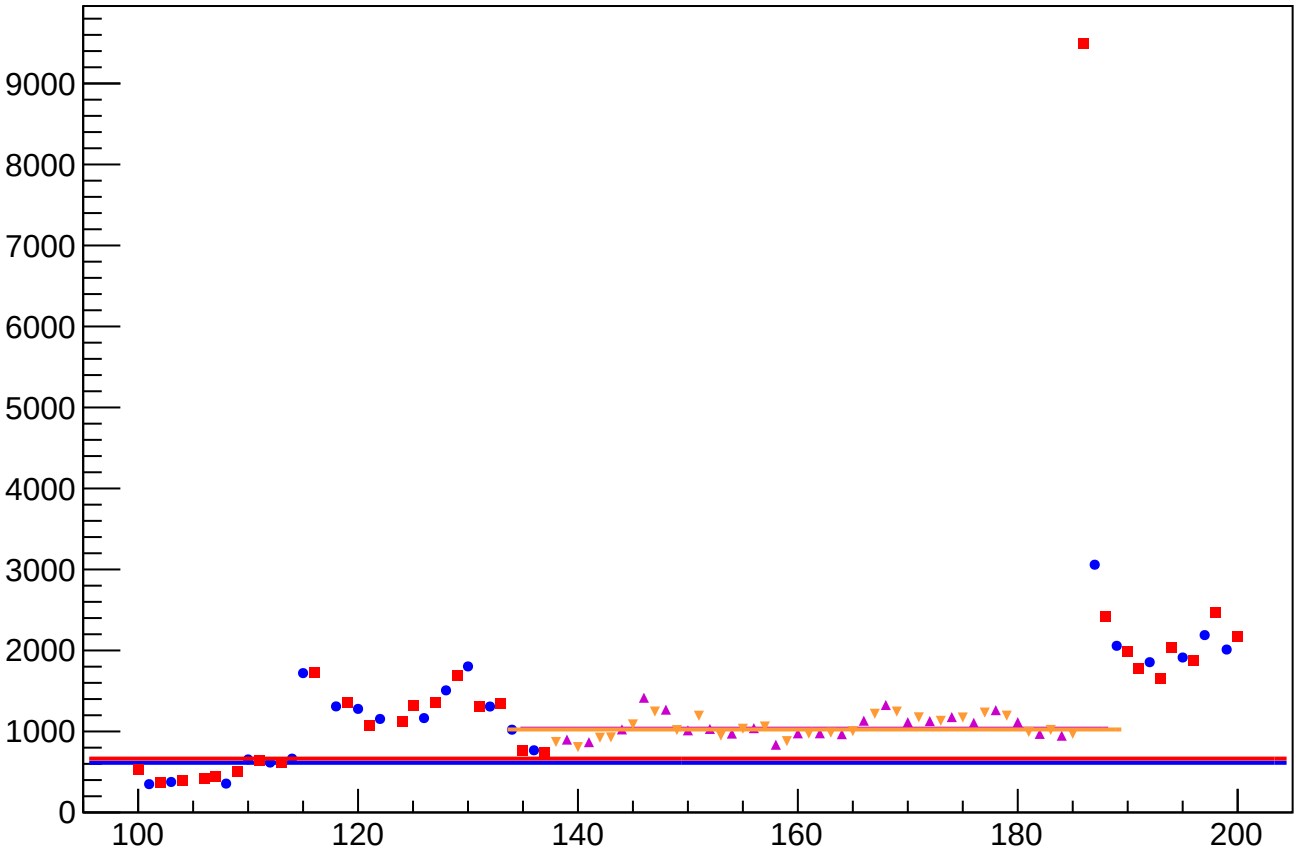
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 164.085+/-158.747 χ^2/NDF: 48.4/49

In: 193.973+/-165.255 χ^2/NDF:55.9/44

Out: 154.357+/-162.363 χ^2/NDF:60.5/52

All: 173.815+/-115.817 χ^2/NDF: 116.4/97



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

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

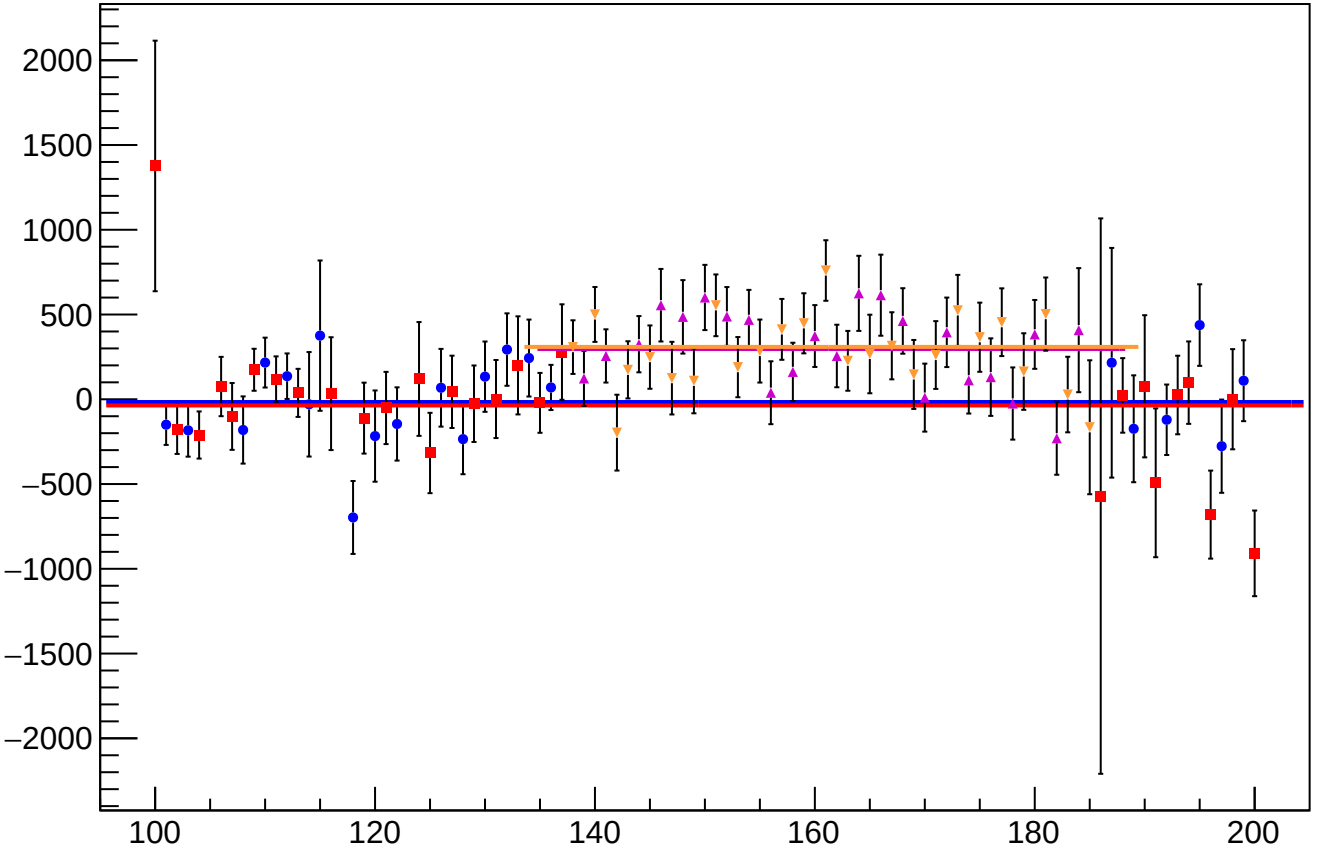
Right: 638.854+/-0.112 χ^2/NDF: 17517061.8/49

In: 806.047+/-0.117 χ^2/NDF:11824886.8/44

Out: 836.346+/-0.115 χ^2/NDF:12543941.1/52

All: 821.464+/-0.082 χ^2/NDF: 24403037.9/97

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -16.156+/-42.337 χ^2/NDF: 29.6/21

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

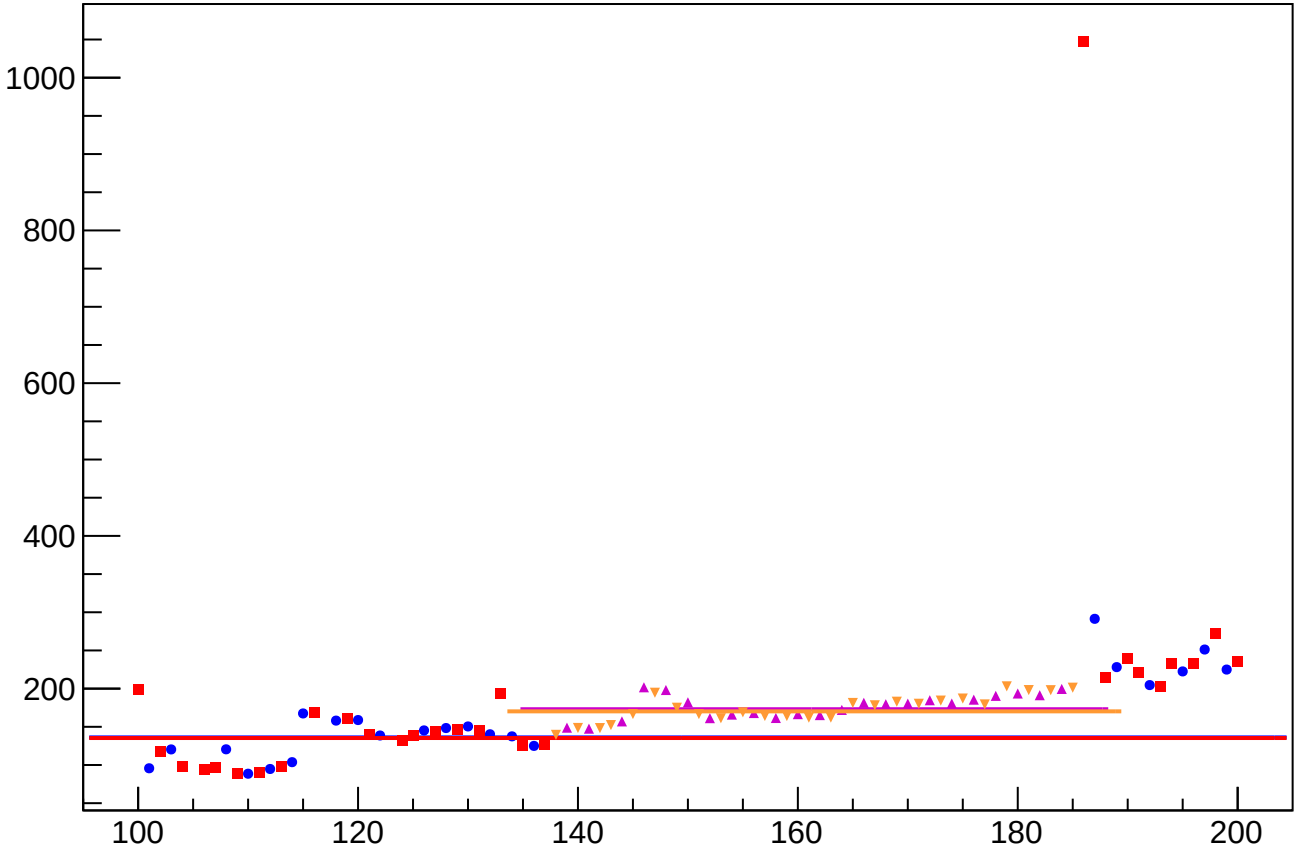
Right: -26.984+/-28.937 χ^2/NDF: 64.5/49

In: 146.688+/-29.306 χ^2/NDF:85.8/44

Out: 139.535+/-27.765 χ^2/NDF:99.1/52

All: 142.918+/-20.156 χ^2/NDF: 184.9/97

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 136.108+/-0.030 χ^2/NDF: 2141396.5/21

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

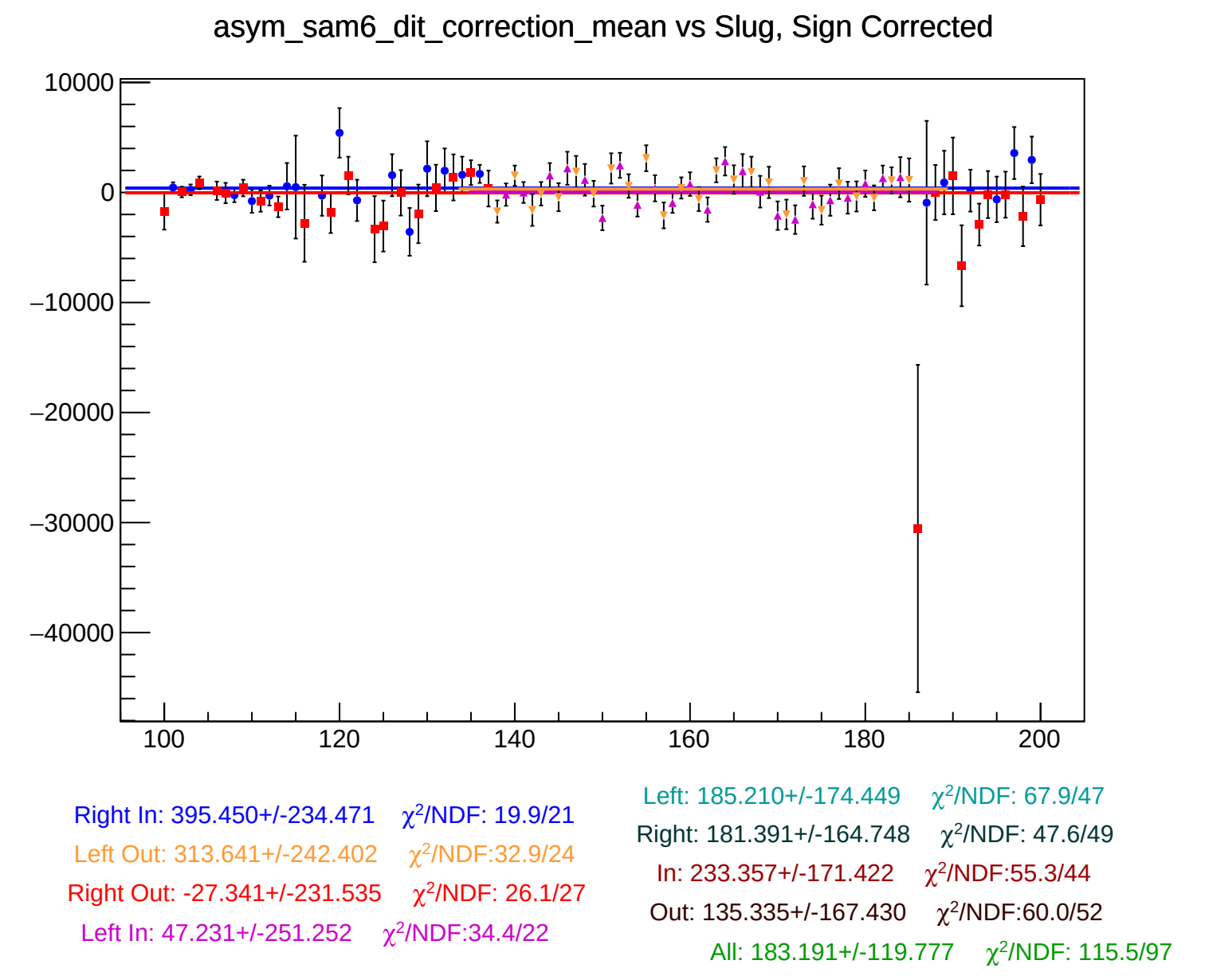
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

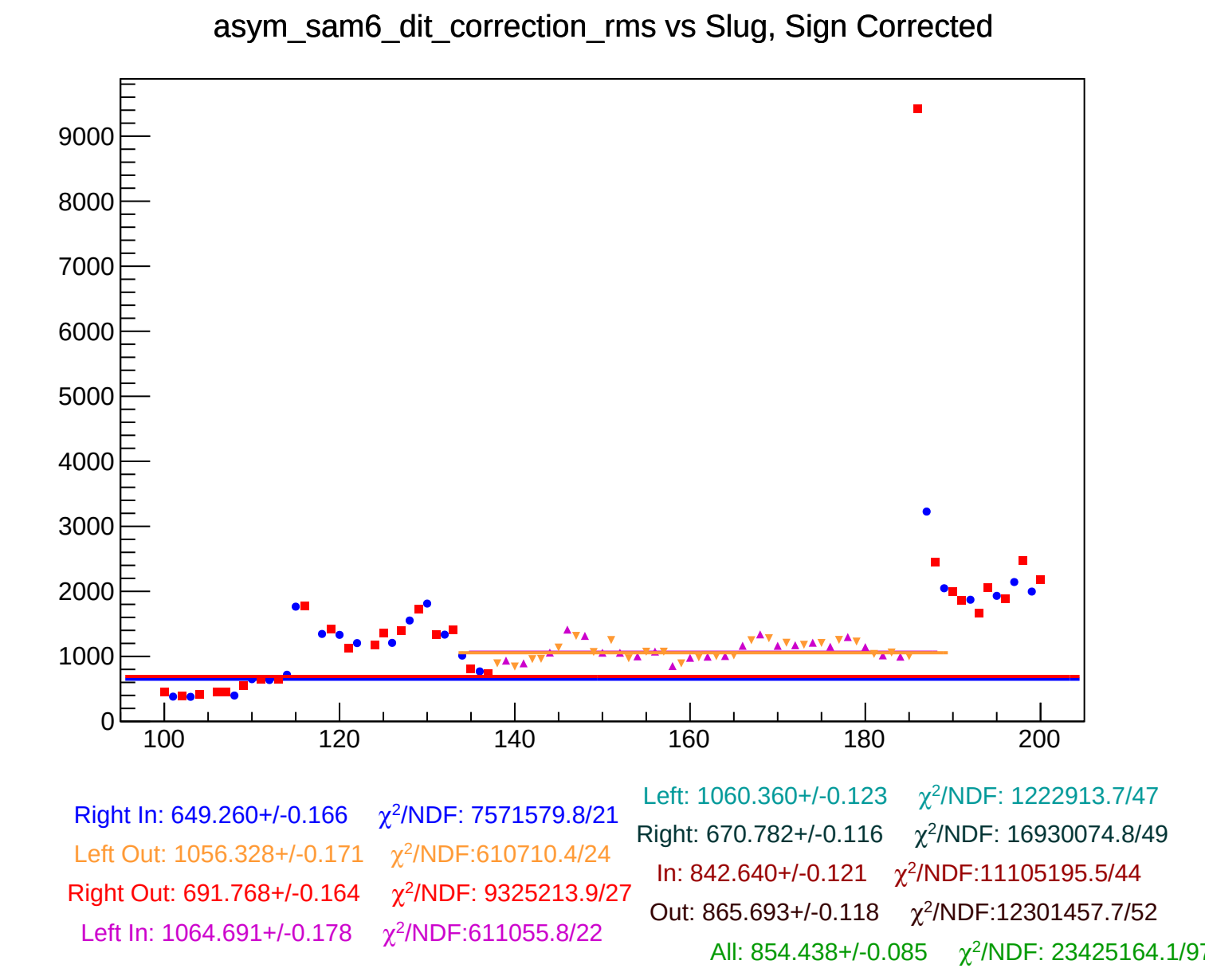
Right: 135.690+/-0.020 χ^2/NDF: 5930515.6/49

In: 155.335+/-0.021 χ^2/NDF:3227105.3/44

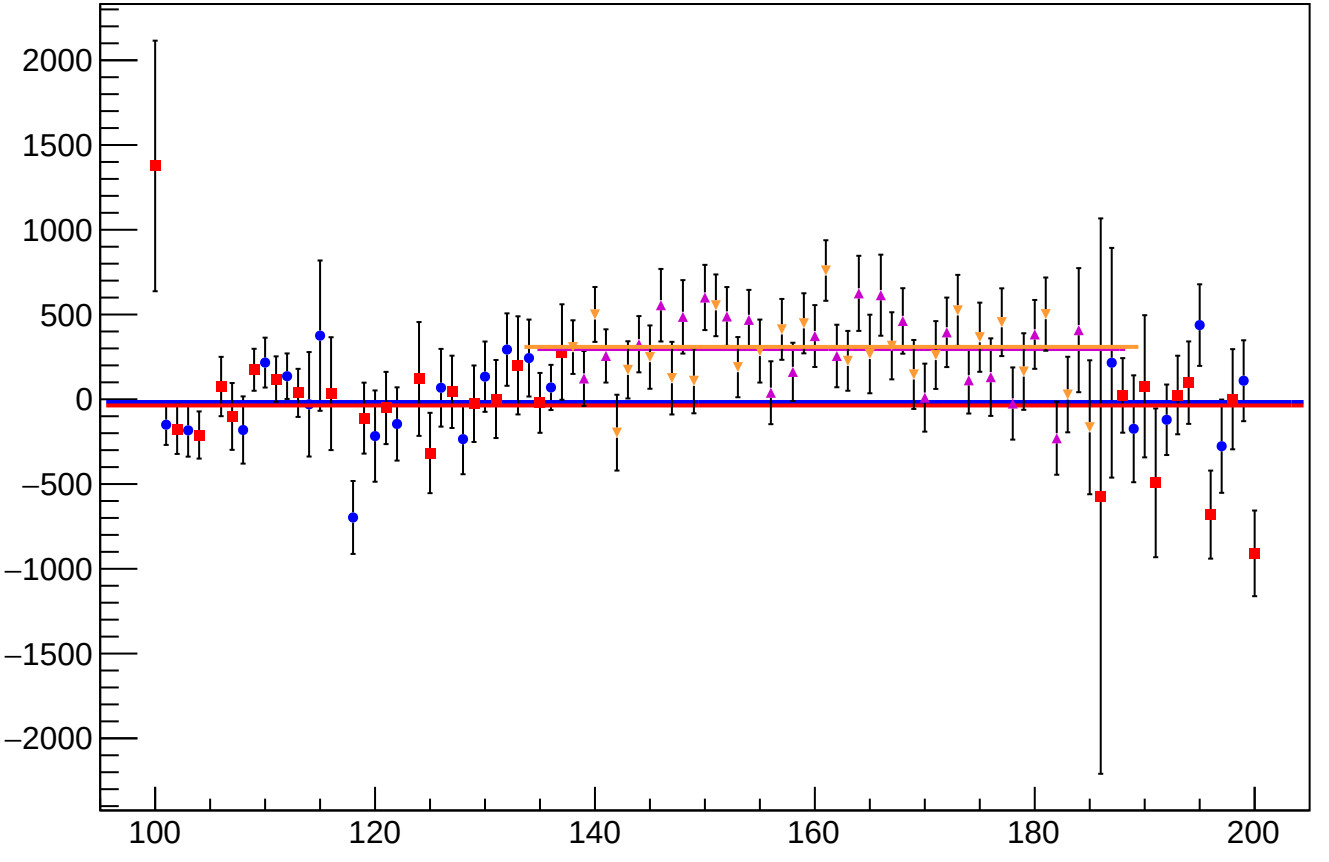
Out: 153.111+/-0.020 χ^2/NDF:4945537.1/52

All: 154.163+/-0.014 χ^2/NDF: 8178714.5/97


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 395.450+/-234.471 χ²/NDF: 19.9/21
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -27.341+/-231.535 χ²/NDF: 26.1/27
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 181.391+/-164.748 χ²/NDF: 47.6/49
In: 233.357+/-171.422 χ²/NDF:55.3/44
Out: 135.335+/-167.430 χ²/NDF:60.0/52
All: 183.191+/-119.777 χ²/NDF: 115.5/97


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: 649.260+/-0.166 χ²/NDF: 7571579.8/21
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: 670.782+/-0.116 χ²/NDF: 16930074.8/49
In: 842.640+/-0.121 χ²/NDF:11105195.5/44
Out: 865.693+/-0.118 χ²/NDF:12301457.7/52
All: 854.438+/-0.085 χ²/NDF: 23425164.1/97

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -16.158+/-42.336 χ^2/NDF: 29.6/21

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

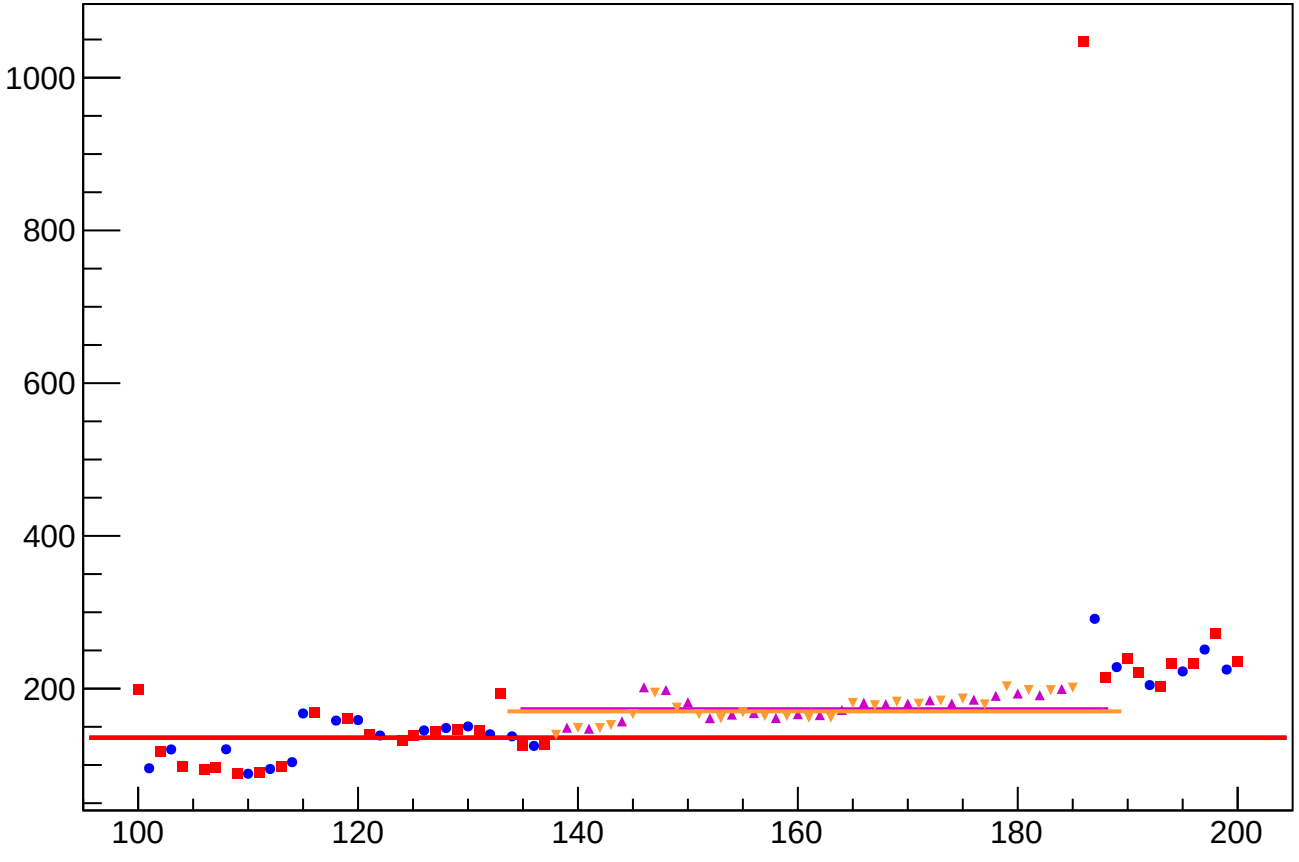
Right: -26.985+/-28.937 χ^2/NDF: 64.5/49

In: 146.687+/-29.306 χ^2/NDF:85.8/44

Out: 139.536+/-27.765 χ^2/NDF:99.1/52

All: 142.919+/-20.155 χ^2/NDF: 184.9/97

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 136.108+/-0.030 χ^2/NDF: 2141409.2/21

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

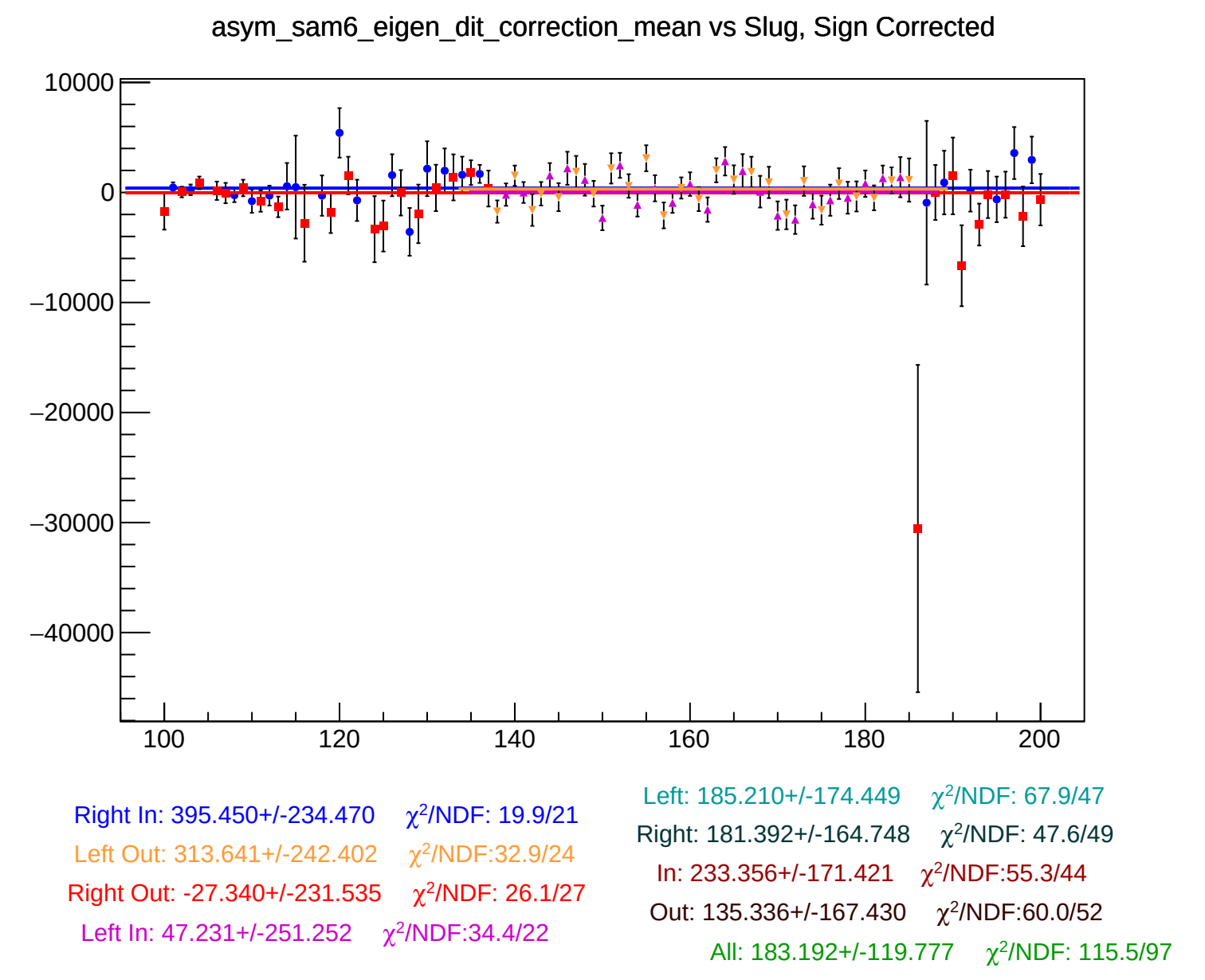
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

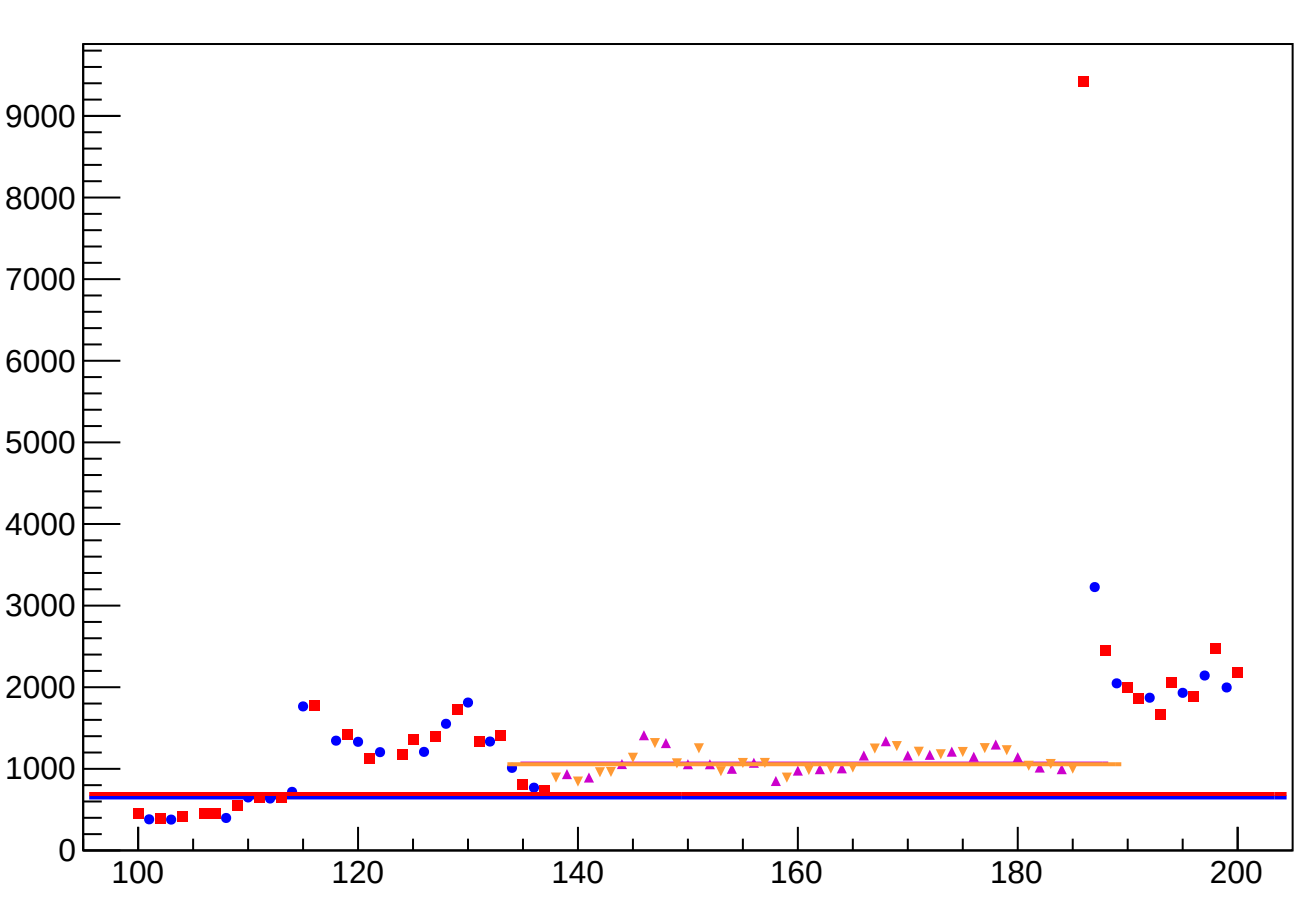
Right: 135.690+/-0.020 χ^2/NDF: 5930530.7/49

In: 155.335+/-0.021 χ^2/NDF:3227124.8/44

Out: 153.111+/-0.020 χ^2/NDF:4945543.9/52

All: 154.163+/-0.014 χ^2/NDF: 8178740.8/97


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 395.450+/-234.470 χ²/NDF: 19.9/21
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -27.340+/-231.535 χ²/NDF: 26.1/27
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 181.392+/-164.748 χ²/NDF: 47.6/49
In: 233.356+/-171.421 χ²/NDF:55.3/44
Out: 135.336+/-167.430 χ²/NDF:60.0/52
All: 183.192+/-119.777 χ²/NDF: 115.5/97



Right In: 649.259+/-0.166 χ^2/NDF: 7571586.9/21

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

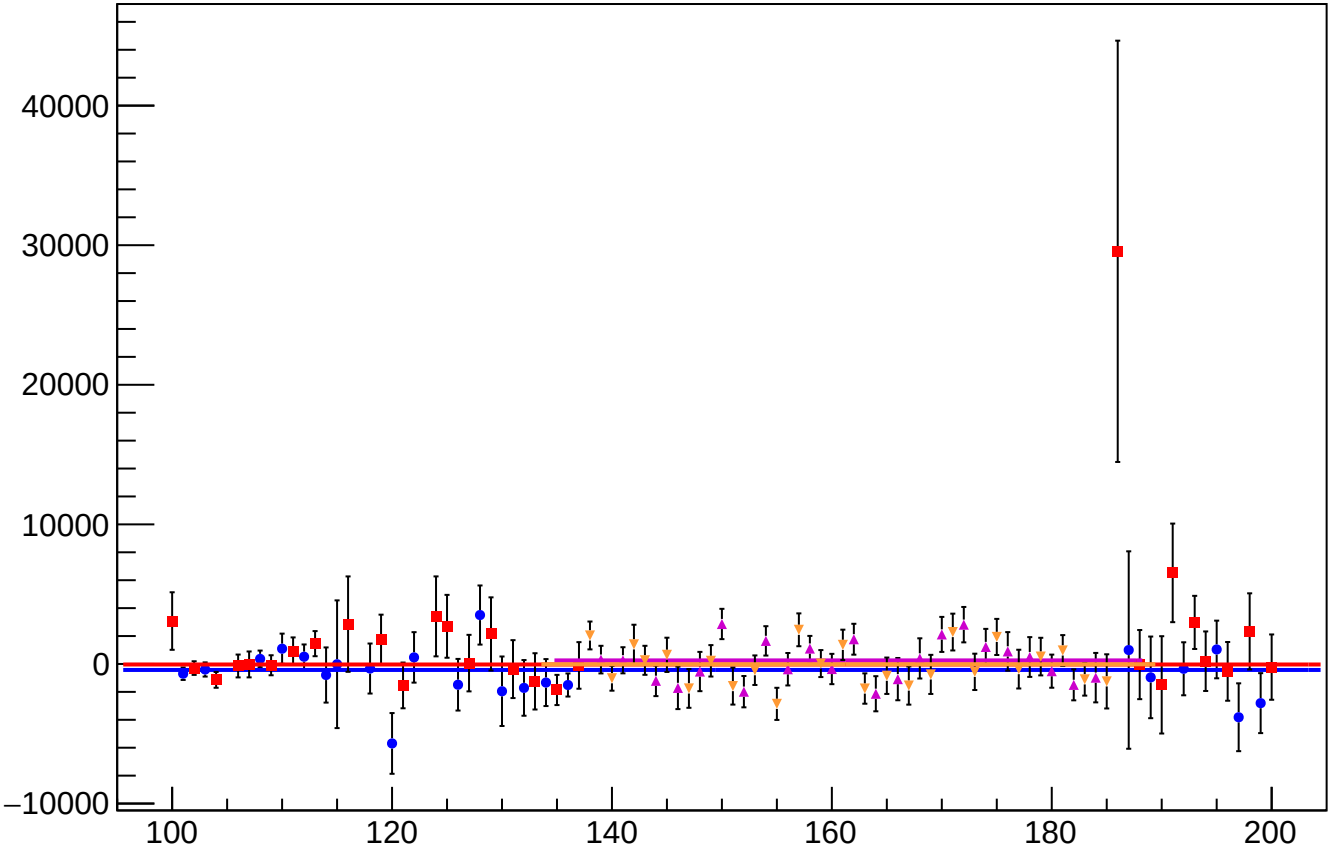
Right: 670.781+/-0.116 χ^2/NDF: 16930084.8/49

In: 842.640+/-0.121 χ^2/NDF:11105220.8/44

Out: 865.693+/-0.118 χ^2/NDF:12301476.7/52

All: 854.438+/-0.085 χ^2/NDF: 23425209.0/97

asym_sam6_mean vs Slug, Sign Corrected



Right In: -429.142+/-230.880 χ^2/NDF: 21.7/21

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

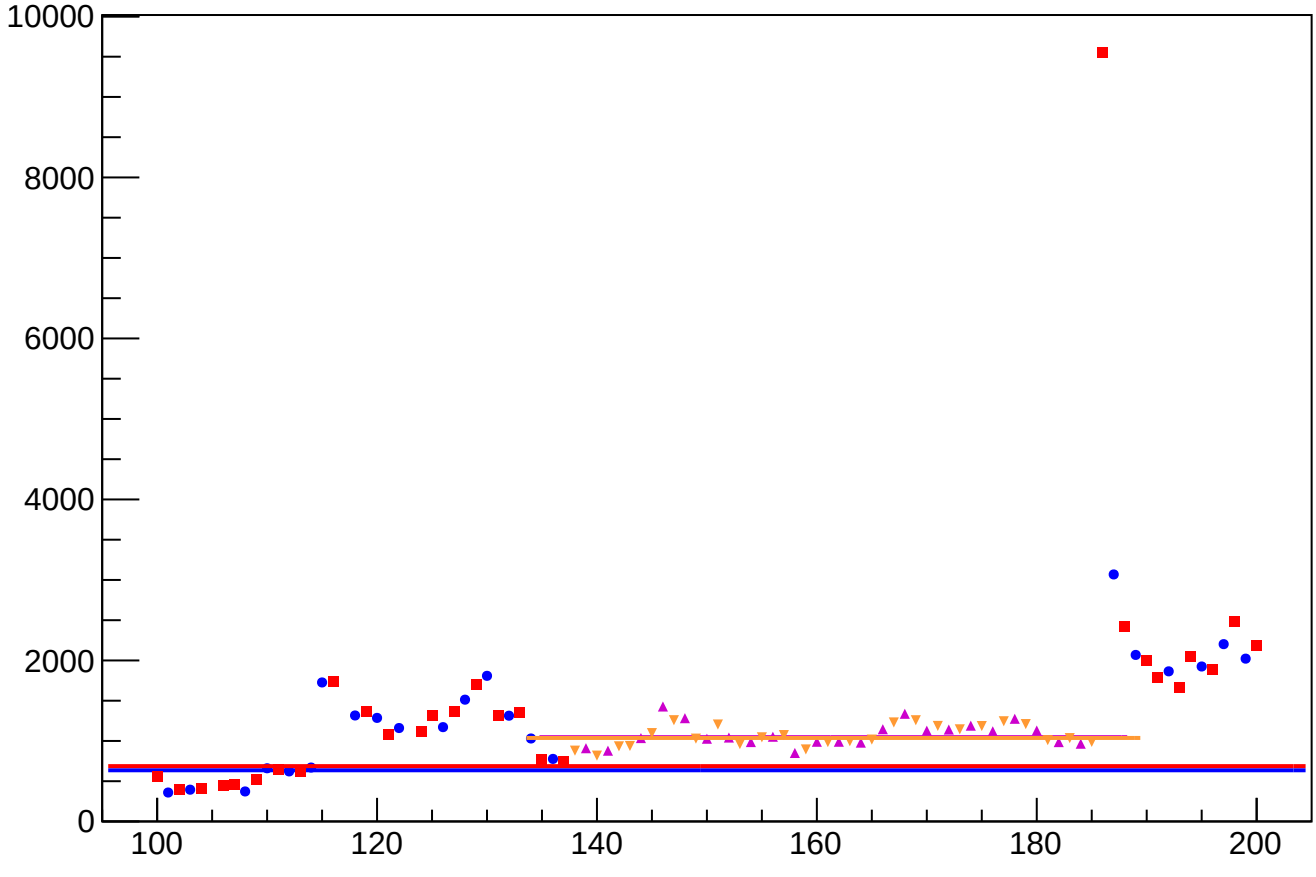
Right: -232.490+/-162.764 χ^2/NDF: 53.5/49

In: -110.216+/-168.732 χ^2/NDF:59.4/44

Out: -30.324+/-165.192 χ^2/NDF:64.9/52

All: -69.423+/-118.040 χ^2/NDF: 124.3/97

asym_sam6_rms vs Slug, Sign Corrected



Right In: 635.706+/-0.163 χ^2/NDF: 7711181.1/21

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

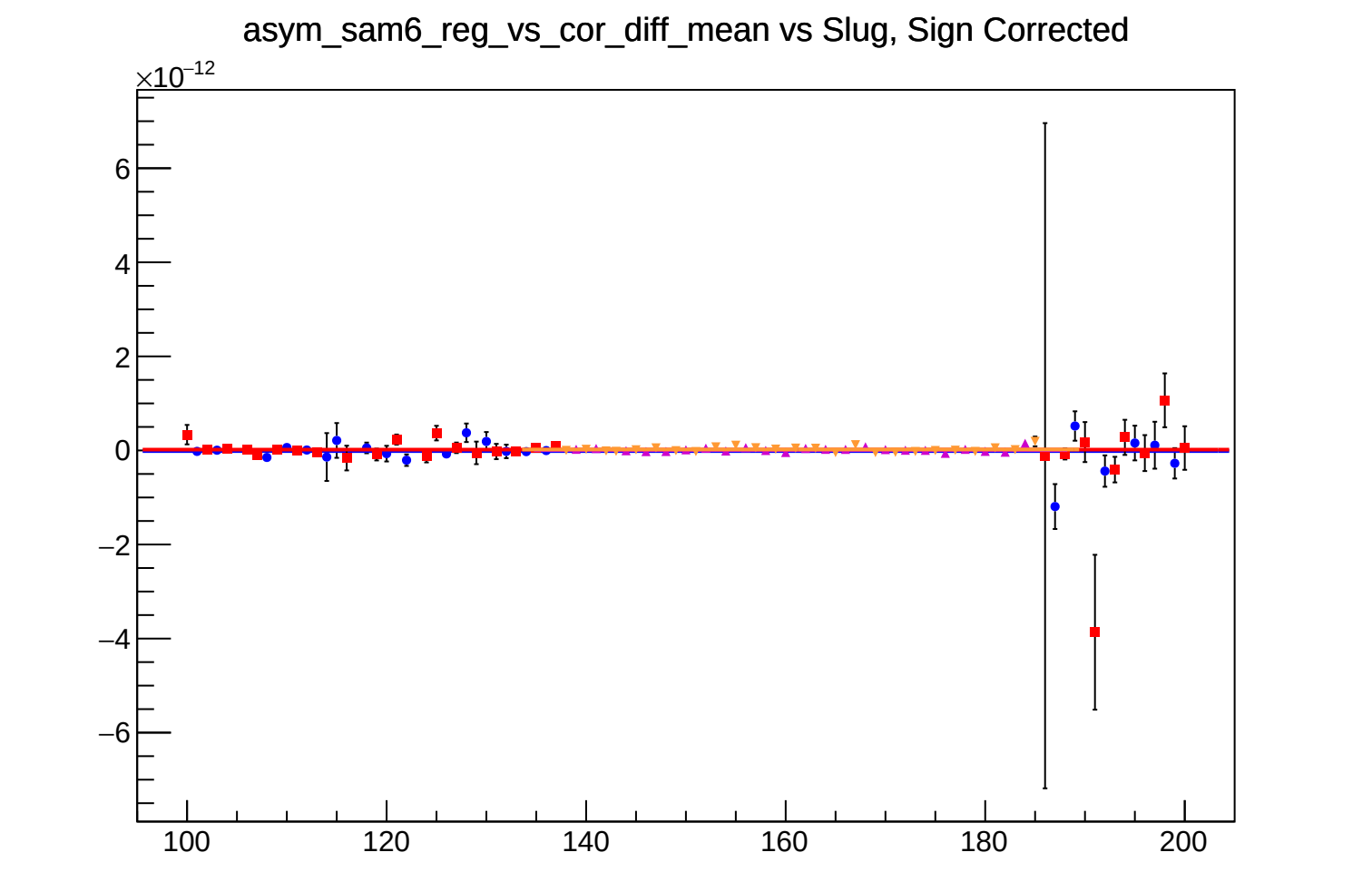
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 661.672+/-0.115 χ^2/NDF: 16972379.2/49

In: 827.620+/-0.119 χ^2/NDF:11290600.3/44

Out: 855.979+/-0.117 χ^2/NDF:12037968.6/52

All: 842.100+/-0.083 χ^2/NDF: 23357415.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/21

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

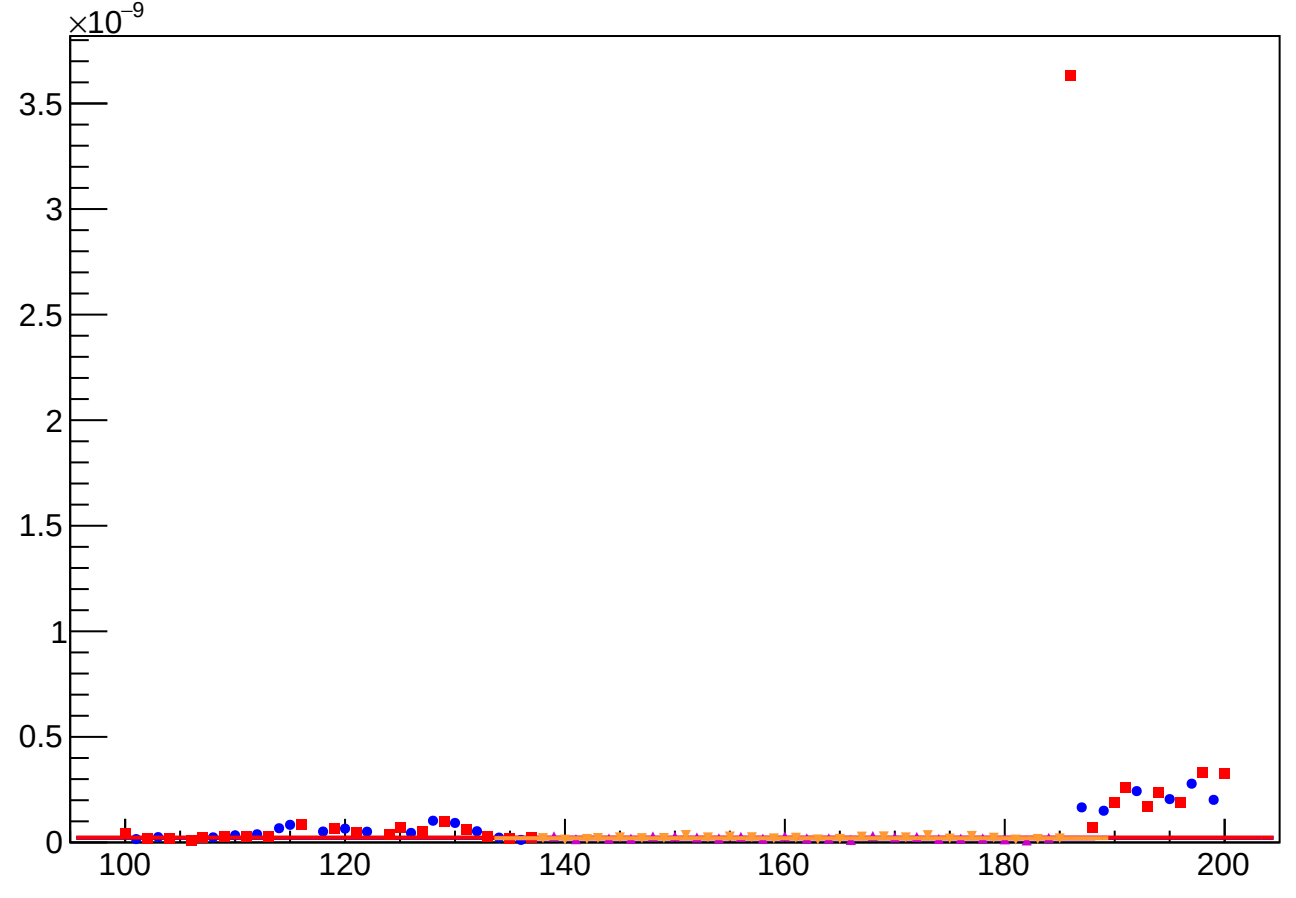
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 62.8/49

In: 0.000+/-0.000 χ^2/NDF:47.9/44

Out: 0.000+/-0.000 χ^2/NDF:62.5/52

All: 0.000+/-0.000 χ^2/NDF: 114.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 5079789.6/21

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

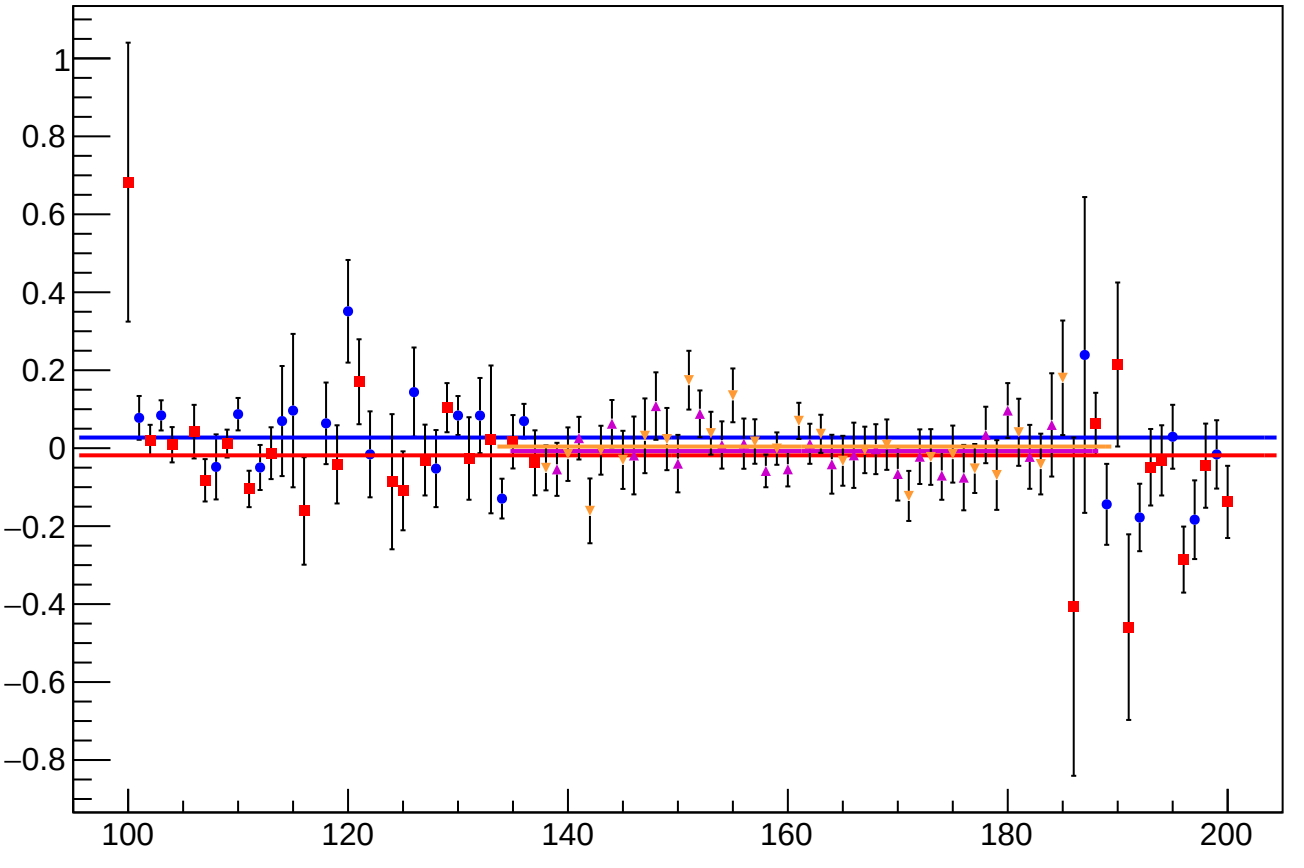
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11246932.9/49

In: 0.000+/-0.000 χ^2/NDF:6179318.6/44

Out: 0.000+/-0.000 χ^2/NDF:7214174.0/52

All: 0.000+/-0.000 χ^2/NDF: 13416192.9/97



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

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

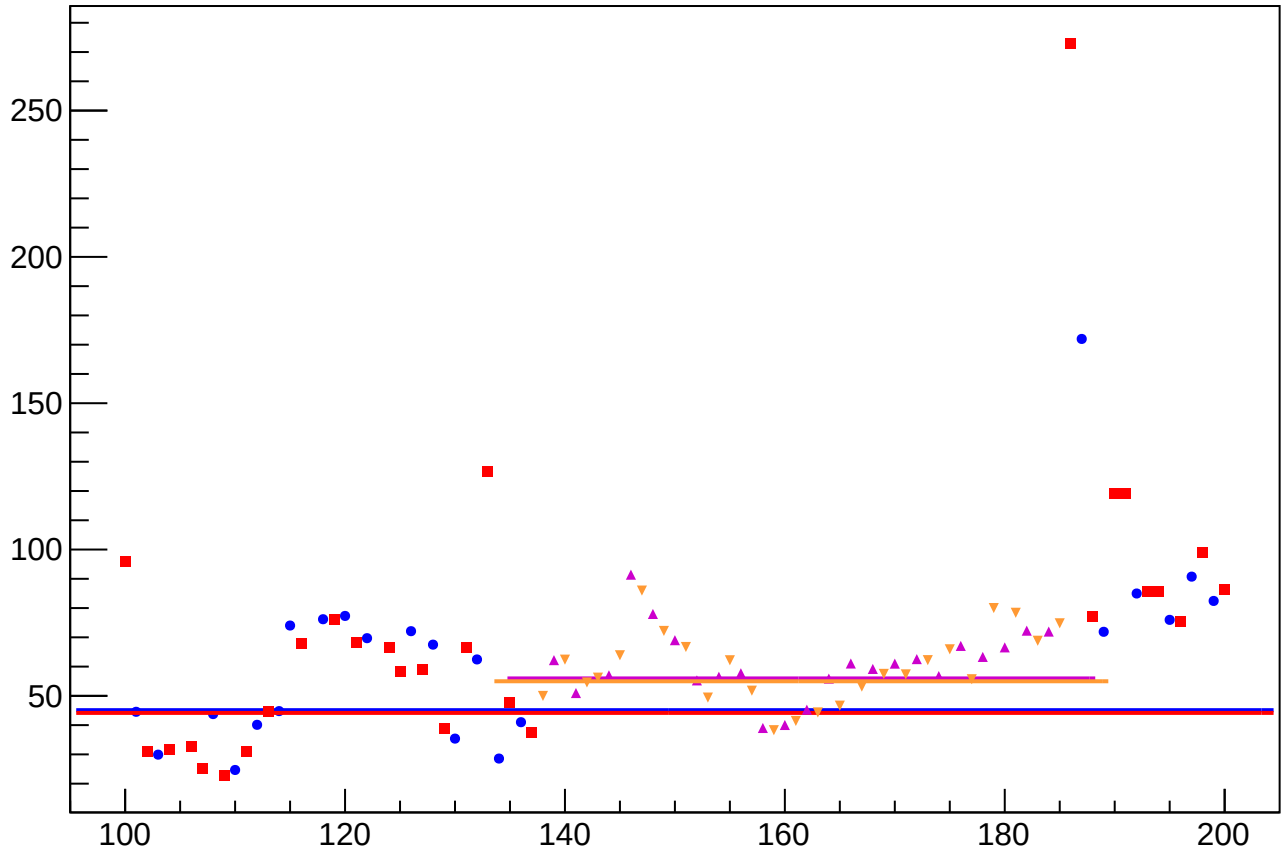
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.1/49

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.001+/-0.007 χ^2/NDF: 125.4/97



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

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

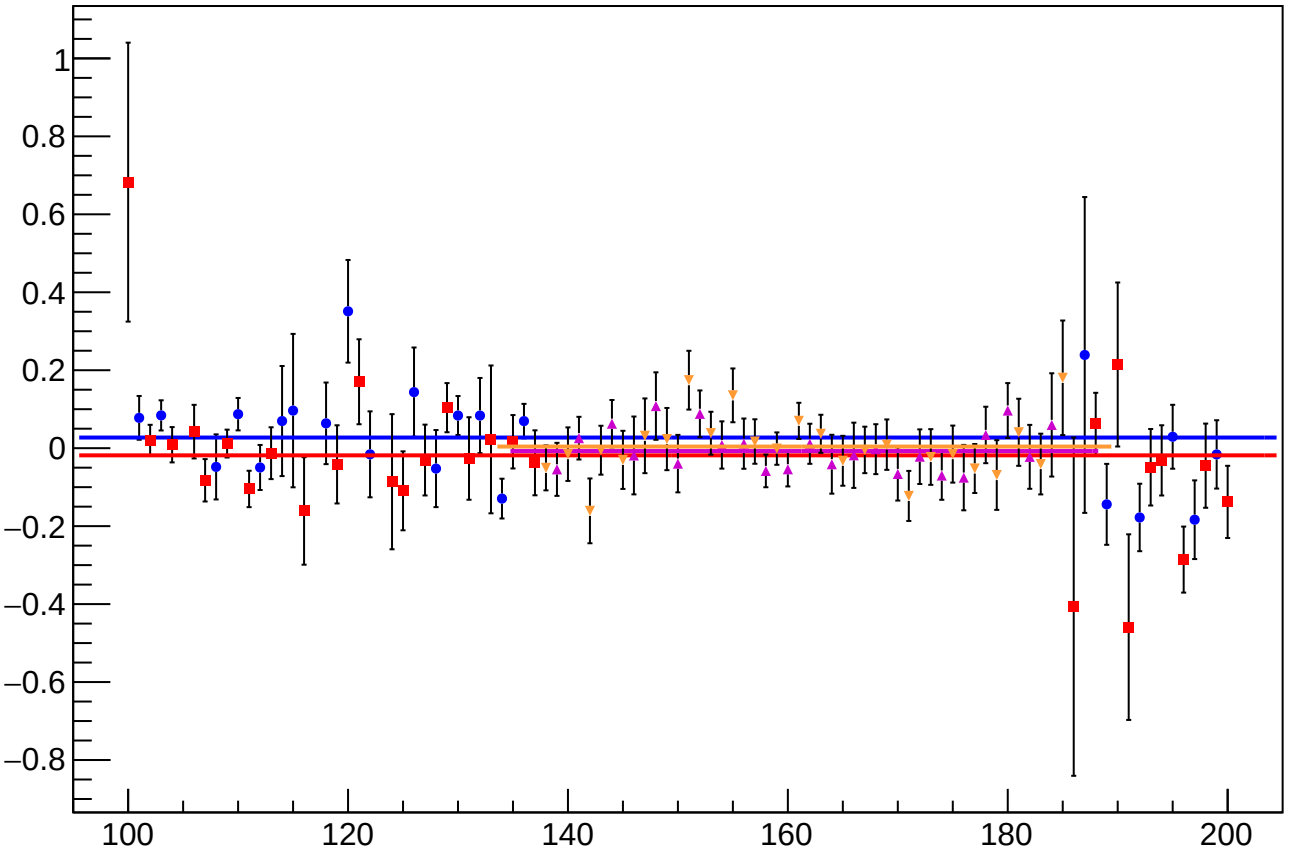
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 44.614+/-0.007 χ^2/NDF: 9552250.9/49

In: 51.059+/-0.007 χ^2/NDF:5621953.1/44

Out: 49.976+/-0.007 χ^2/NDF:8125653.8/52

All: 50.488+/-0.005 χ^2/NDF: 13759956.5/97



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

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

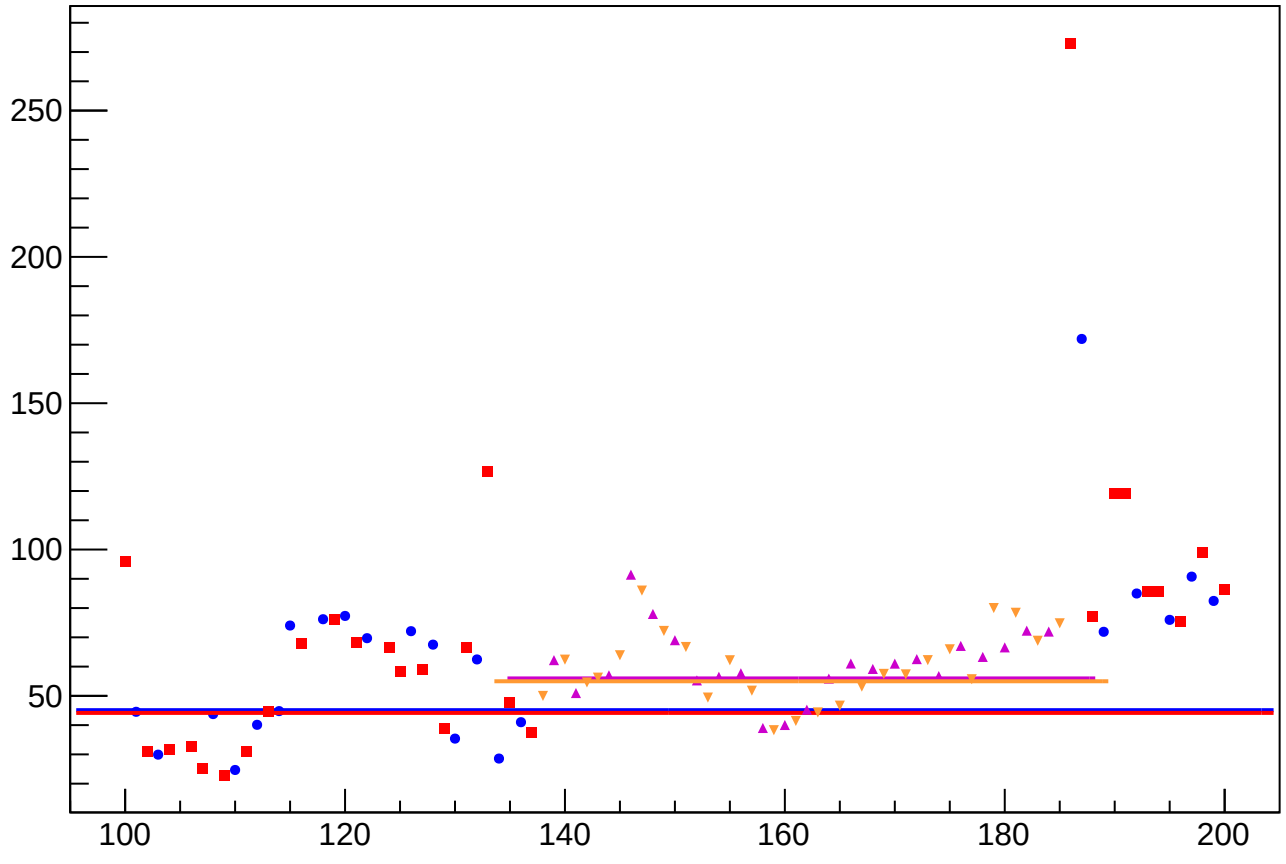
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.1/49

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.001+/-0.007 χ^2/NDF: 125.4/97



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

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

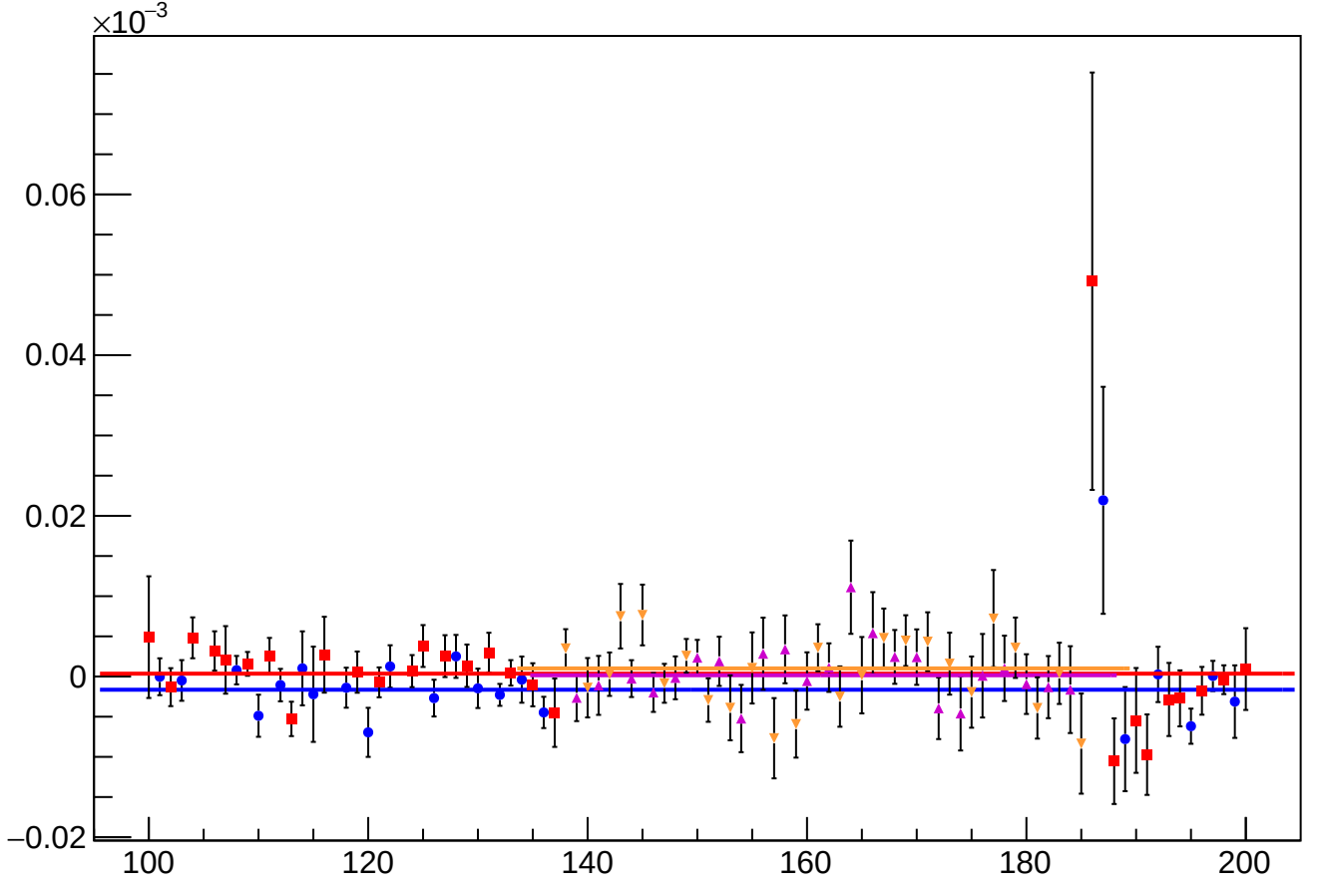
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 44.614+/-0.007 χ^2/NDF: 9552250.9/49

In: 51.059+/-0.007 χ^2/NDF:5621953.1/44

Out: 49.976+/-0.007 χ^2/NDF:8125653.8/52

All: 50.488+/-0.005 χ^2/NDF: 13759956.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

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

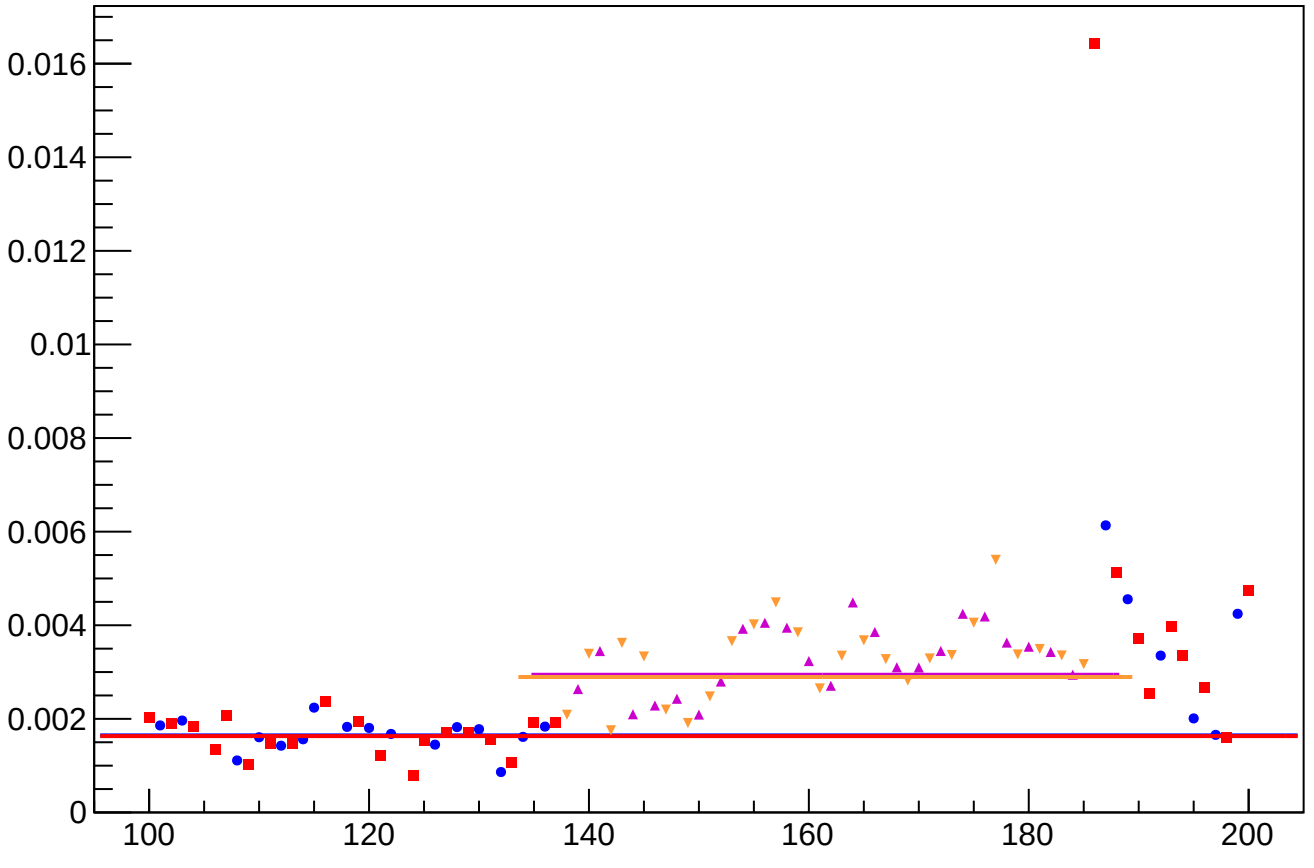
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/49

In: -0.000+/-0.000 χ^2/NDF:41.3/44

Out: 0.000+/-0.000 χ^2/NDF:63.7/52

All: -0.000+/-0.000 χ^2/NDF: 112.4/97



Right In: 0.002+/-0.000 χ^2/NDF: 2812518.2/21

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

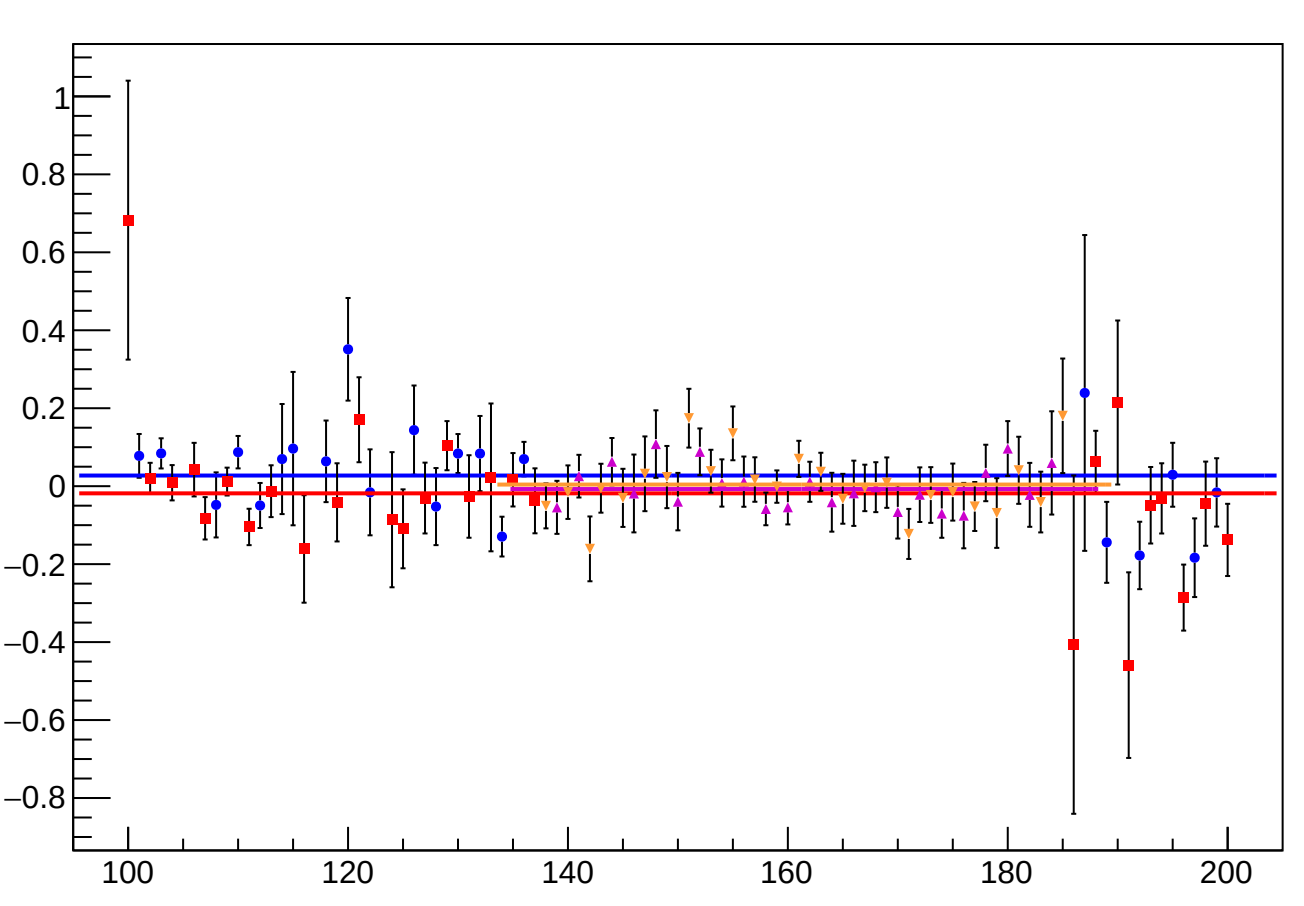
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 7900998.7/49

In: 0.002+/-0.000 χ^2/NDF:9004981.1/44

Out: 0.002+/-0.000 χ^2/NDF:12188196.5/52

All: 0.002+/-0.000 χ^2/NDF: 21203358.7/97



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

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

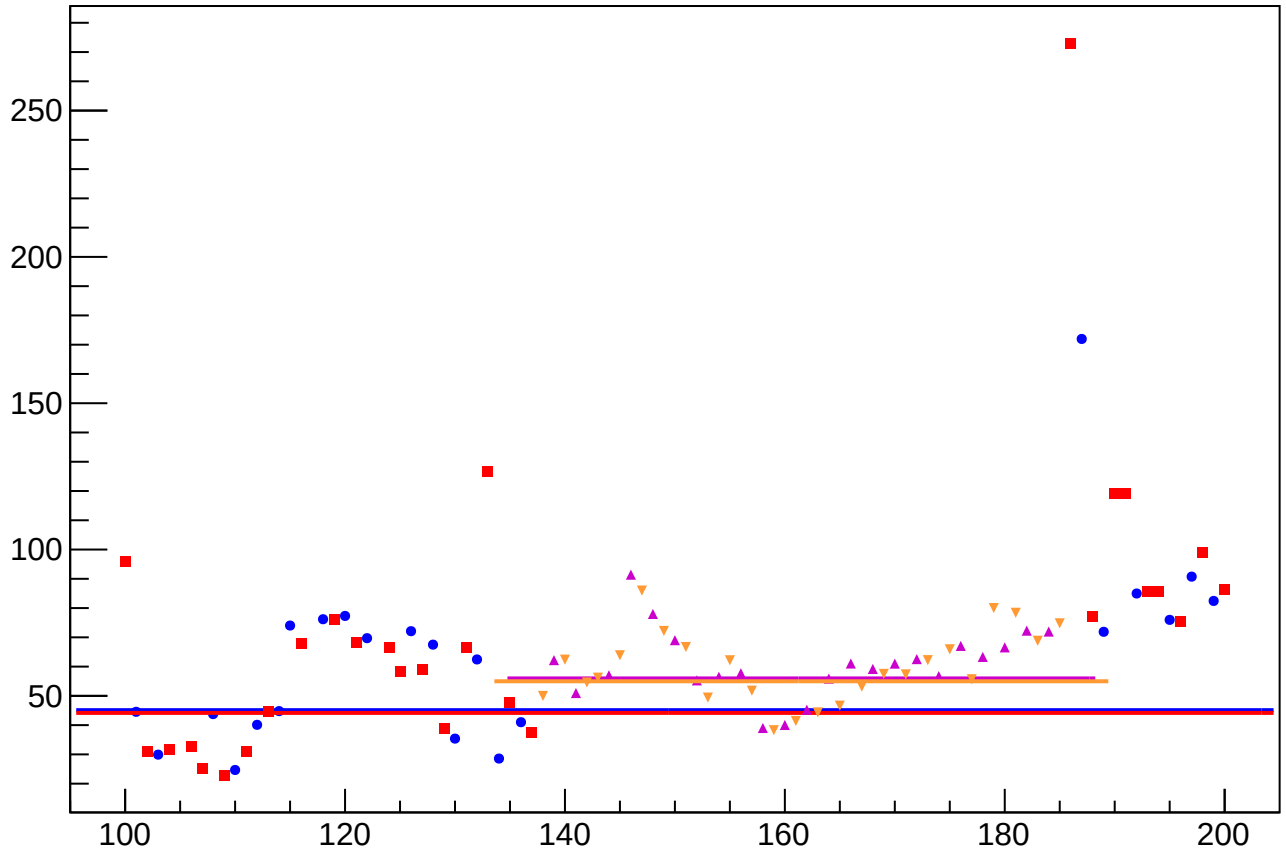
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.1/49

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.001+/-0.007 χ^2/NDF: 125.4/97



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

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

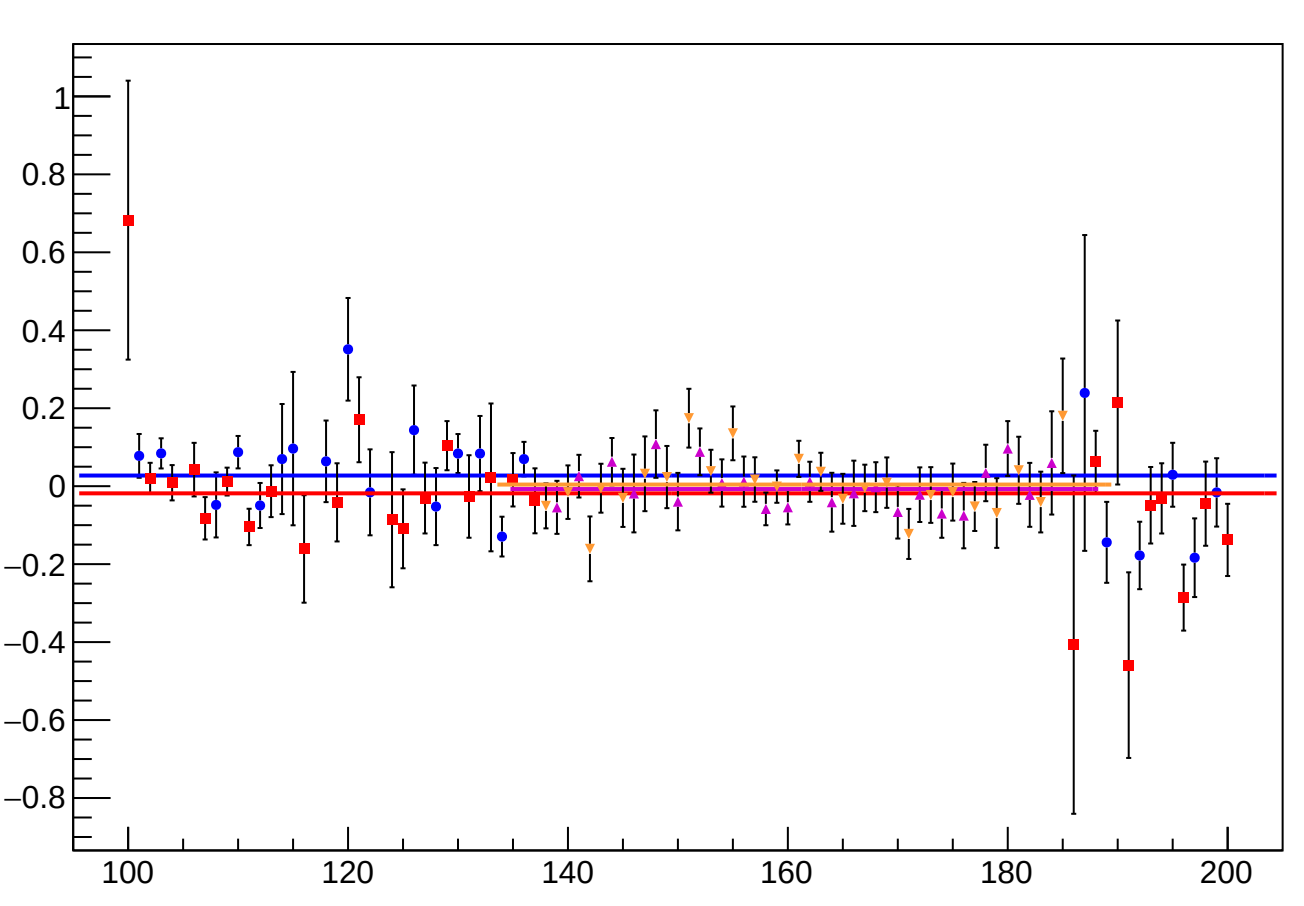
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 44.613+/-0.007 χ^2/NDF: 9552317.6/49

In: 51.058+/-0.007 χ^2/NDF:5622152.7/44

Out: 49.975+/-0.007 χ^2/NDF:8125699.4/52

All: 50.488+/-0.005 χ^2/NDF: 13760196.9/97



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

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

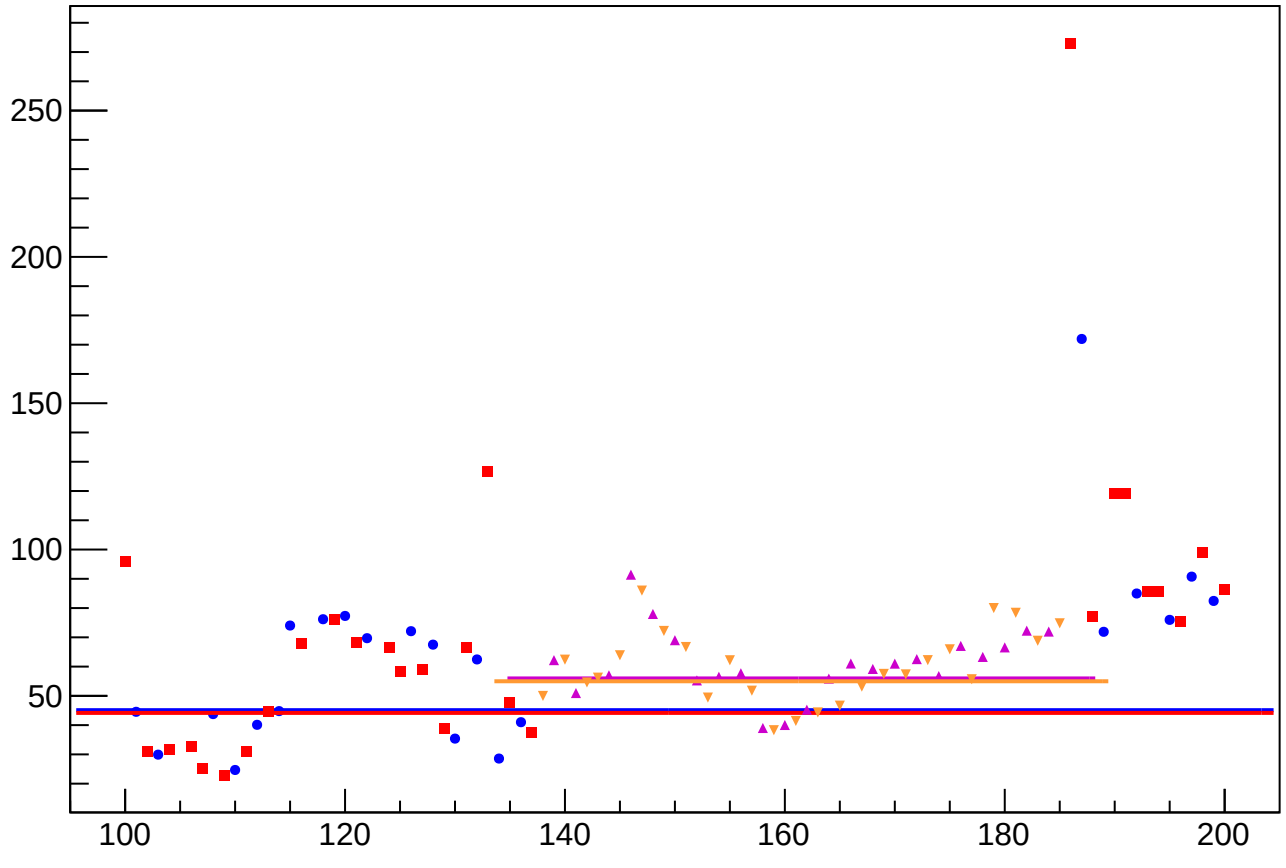
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.1/49

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.006+/-0.009 χ^2/NDF:65.2/52

All: 0.001+/-0.007 χ^2/NDF: 125.4/97



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

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

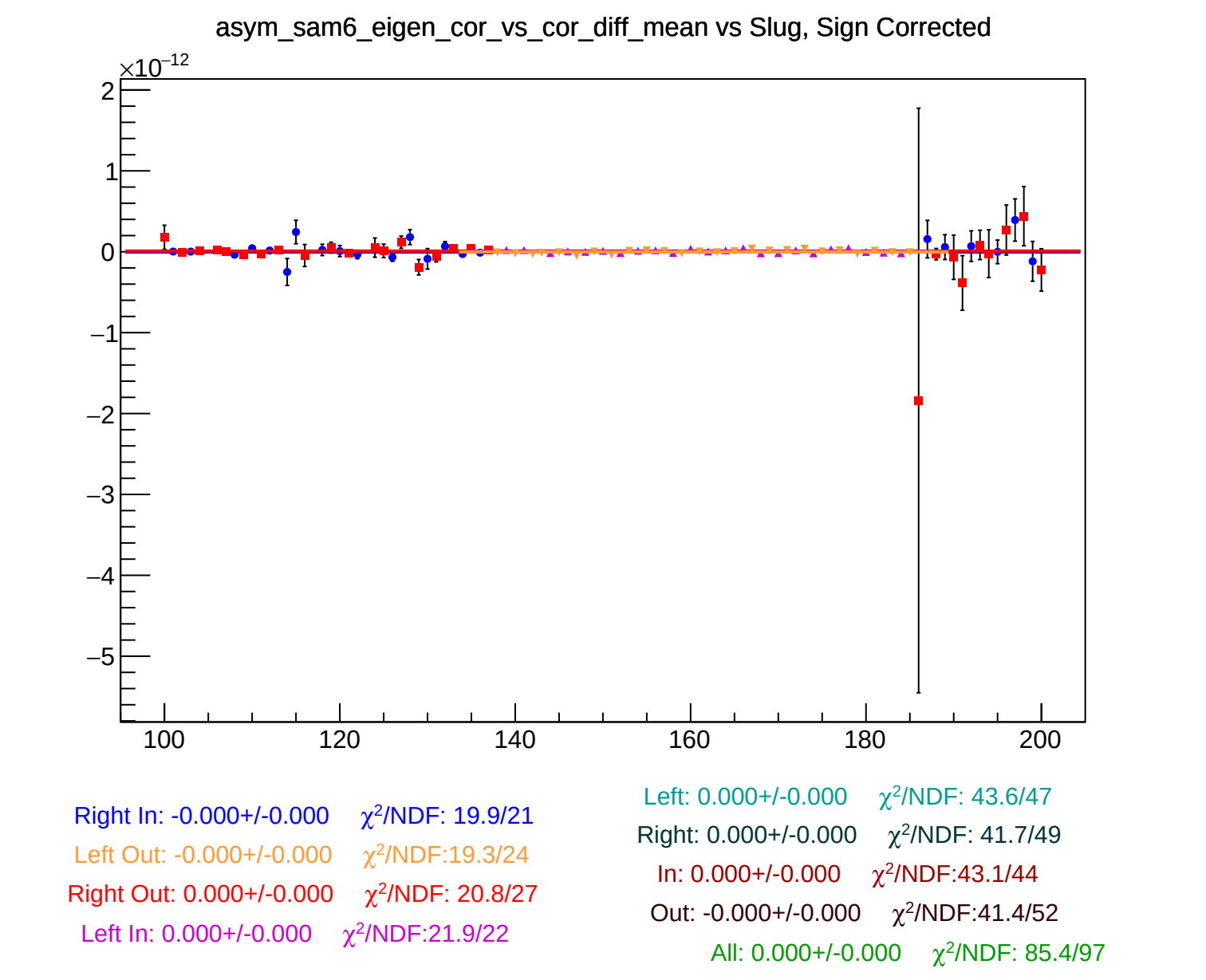
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

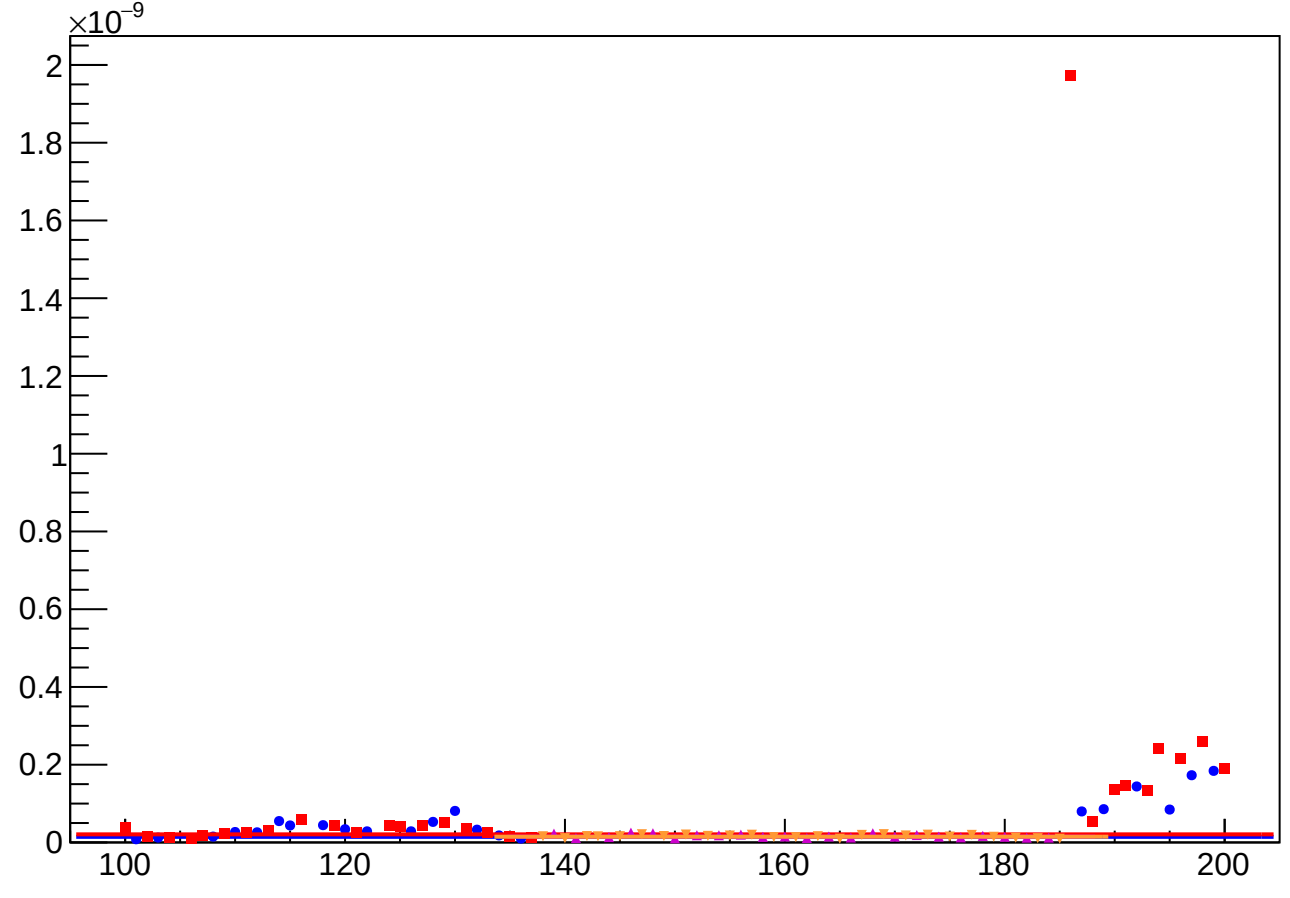
Right: 44.613+/-0.007 χ^2/NDF: 9552317.6/49

In: 51.058+/-0.007 χ^2/NDF:5622152.7/44

Out: 49.975+/-0.007 χ^2/NDF:8125699.4/52

All: 50.488+/-0.005 χ^2/NDF: 13760196.9/97


asym_sam6_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: 19.9/21
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/27
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 41.7/49
In: 0.000+/-0.000 χ²/NDF:43.1/44
Out: -0.000+/-0.000 χ²/NDF:41.4/52
All: 0.000+/-0.000 χ²/NDF: 85.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 6900121.4/21

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

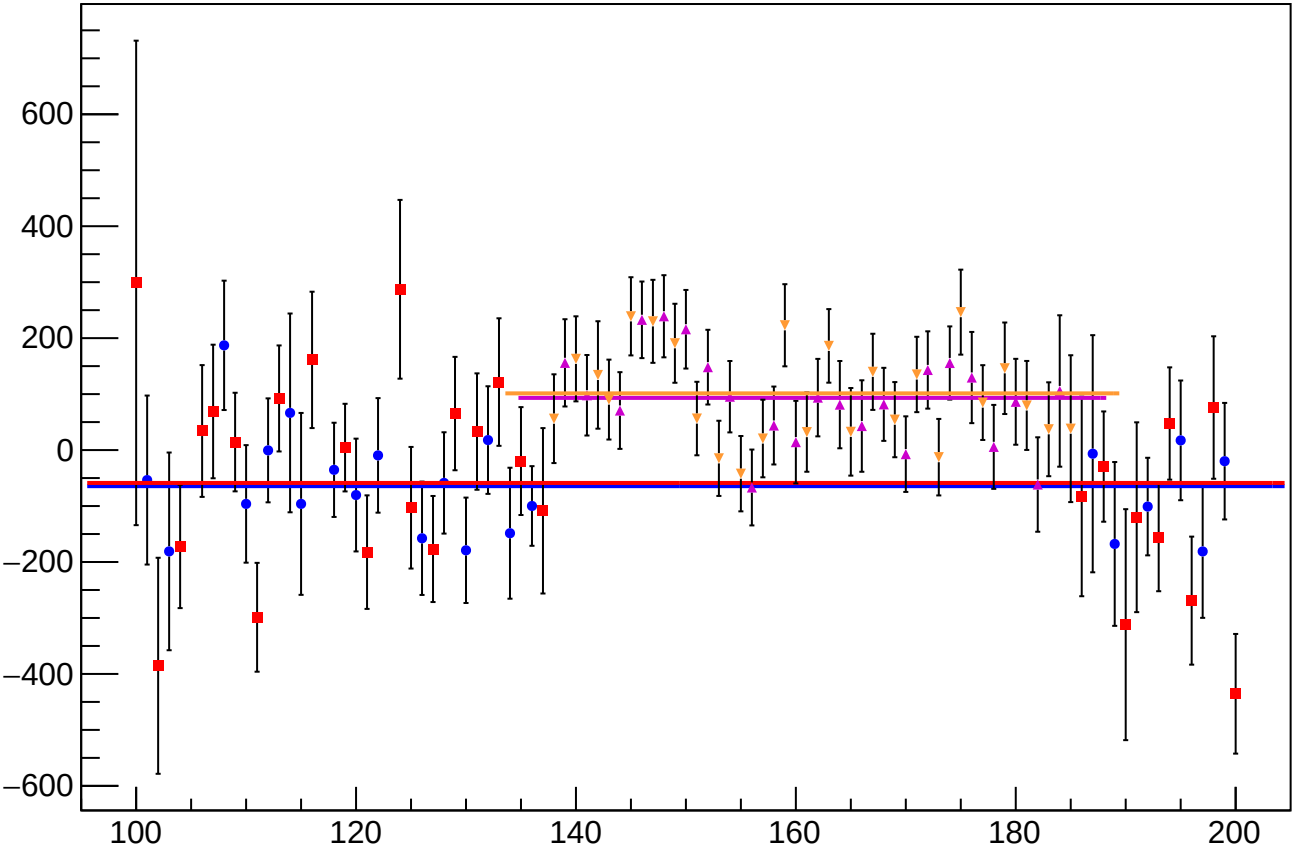
Right: 0.000+/-0.000 χ^2/NDF: 15710184.1/49

In: 0.000+/-0.000 χ^2/NDF:8334398.8/44

Out: 0.000+/-0.000 χ^2/NDF:10347184.6/52

All: 0.000+/-0.000 χ^2/NDF: 18755785.7/97

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.474+/-22.795 χ^2/NDF: 13.1/21

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

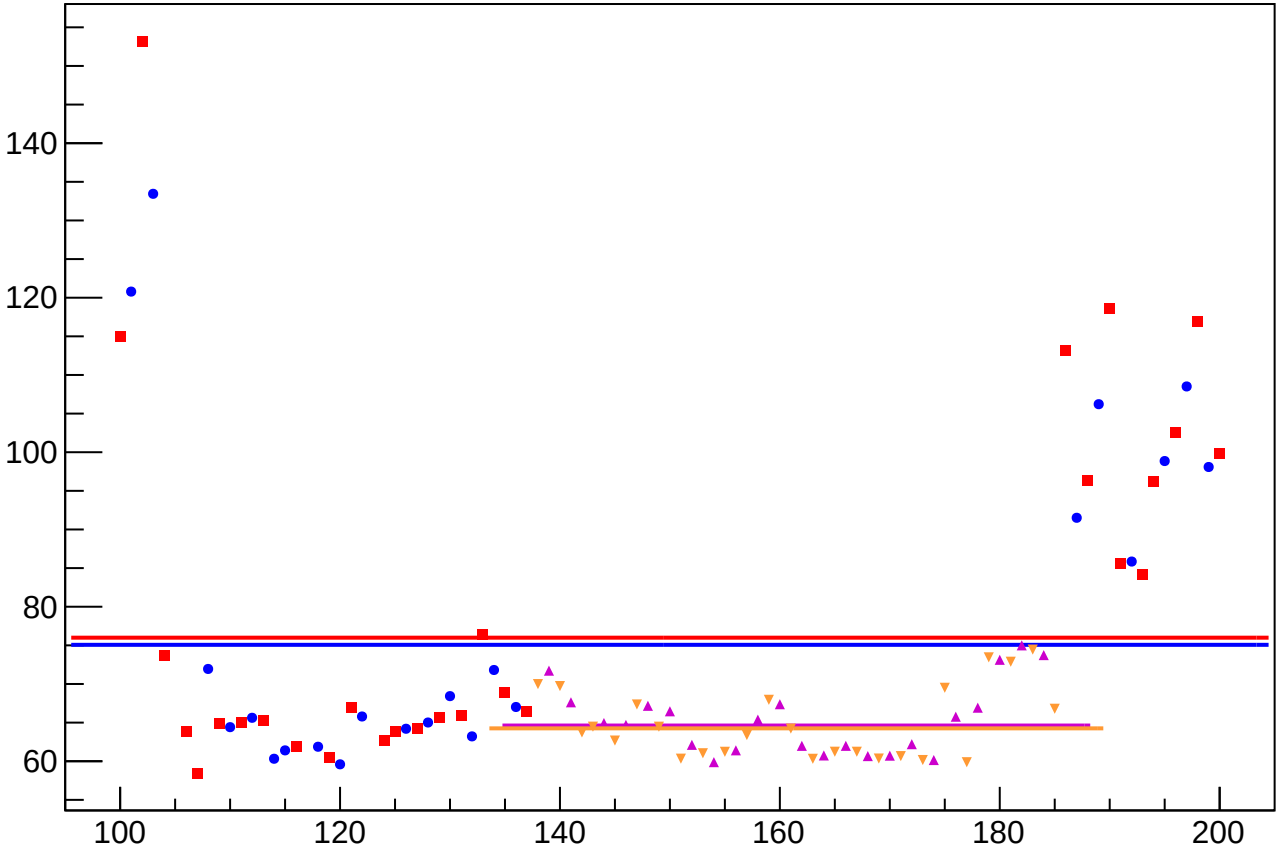
Right: -61.407+/-15.548 χ^2/NDF: 66.5/49

In: 44.977+/-12.610 χ^2/NDF:75.1/44

Out: 49.834+/-12.059 χ^2/NDF:125.7/52

All: 47.514+/-8.715 χ^2/NDF: 200.9/97

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.0/21

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

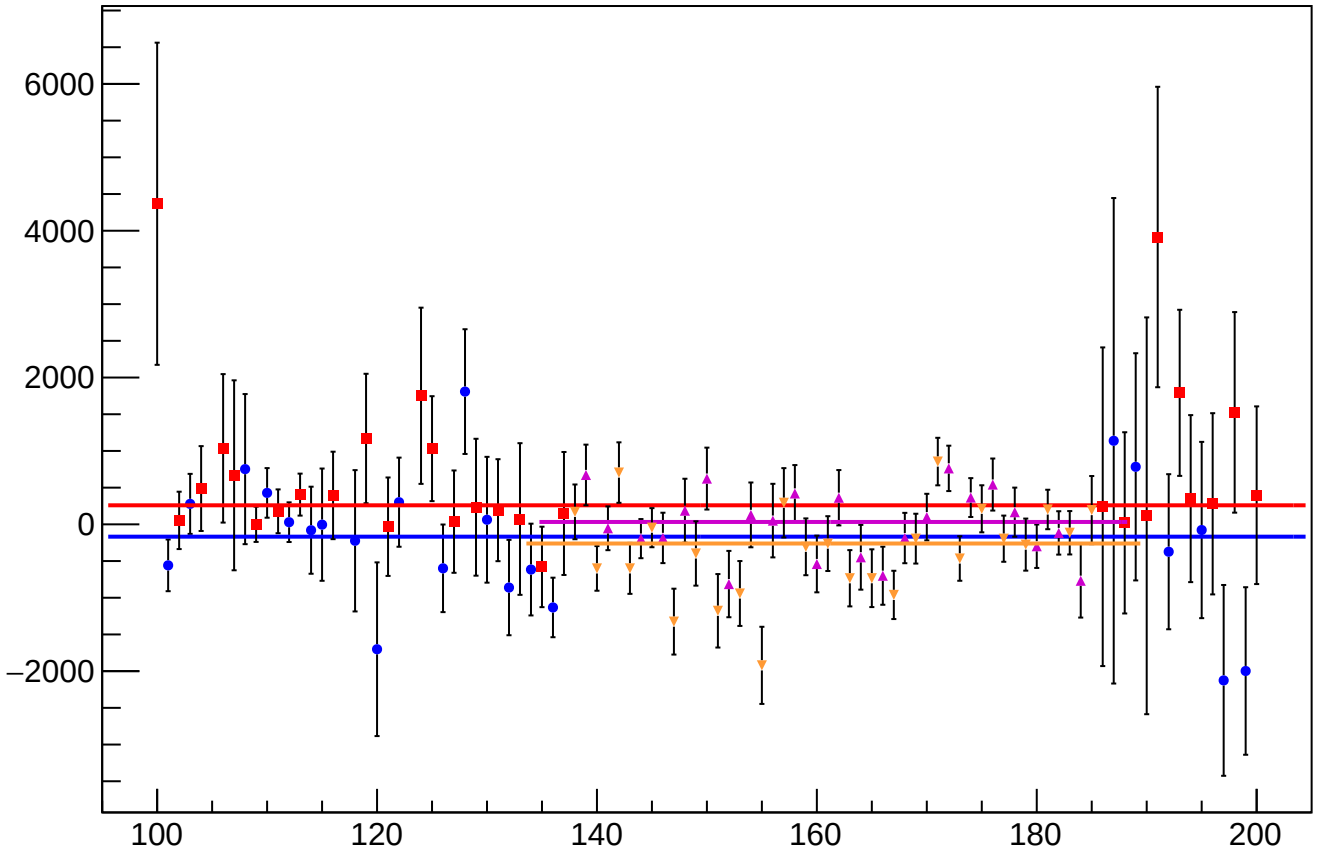
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.563+/-0.011 χ^2/NDF: 2698647.7/49

In: 67.818+/-0.009 χ^2/NDF:1627975.2/44

Out: 68.032+/-0.009 χ^2/NDF:2098835.0/52

All: 67.930+/-0.006 χ^2/NDF: 3727110.8/97



Right In: -167.956+/-122.588 χ^2/NDF: 28.0/21

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

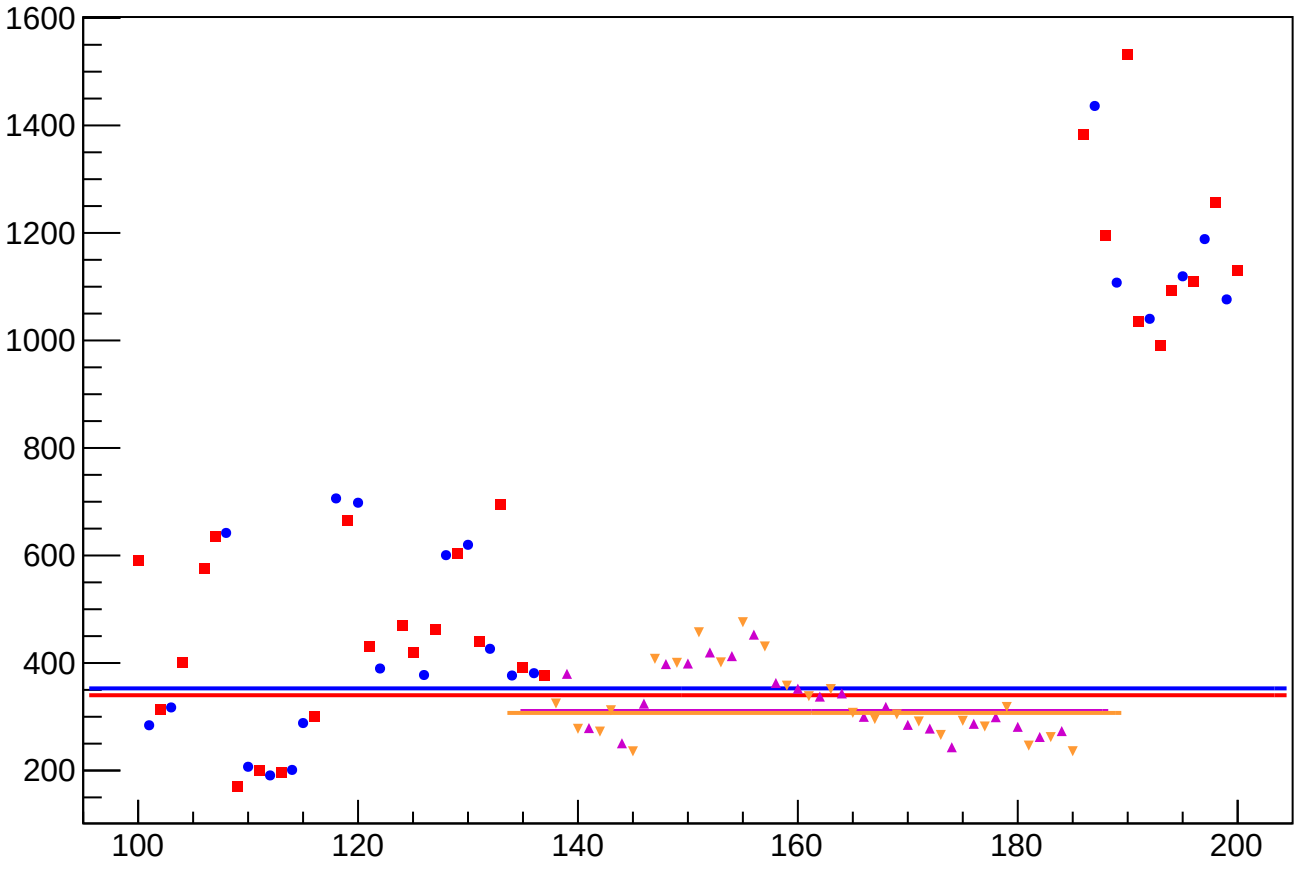
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 60.952+/-83.537 χ^2/NDF: 53.1/49

In: -20.920+/-63.250 χ^2/NDF:61.6/44

Out: -115.115+/-60.452 χ^2/NDF:92.4/52

All: -70.147+/-43.702 χ^2/NDF: 155.2/97



Right In: 352.792+/-0.087 χ^2/NDF: 6323429.3/21

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

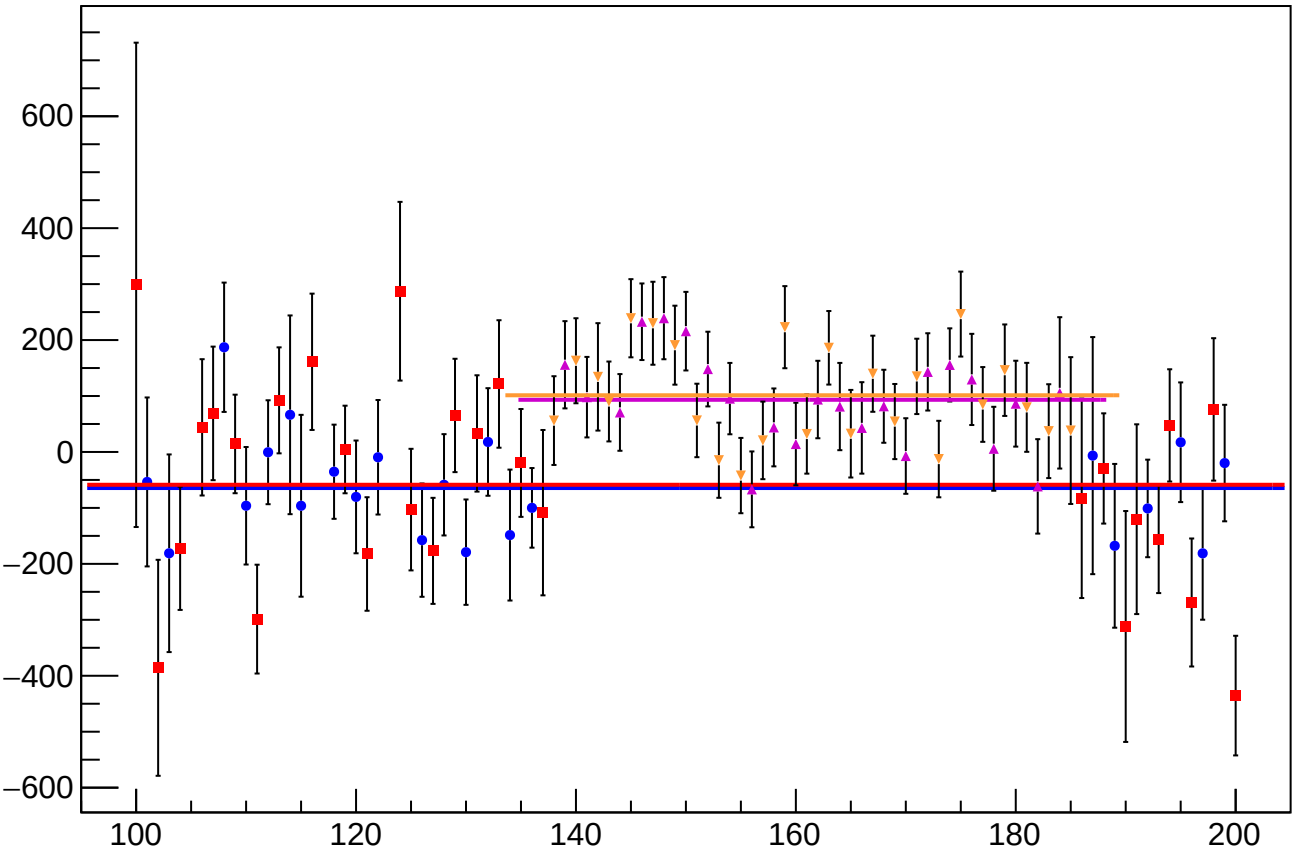
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 345.966+/-0.059 χ^2/NDF: 15546425.9/49

In: 321.904+/-0.045 χ^2/NDF:7575952.6/44

Out: 316.373+/-0.043 χ^2/NDF:10651163.7/52

All: 319.013+/-0.031 χ^2/NDF: 18235107.0/97



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

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

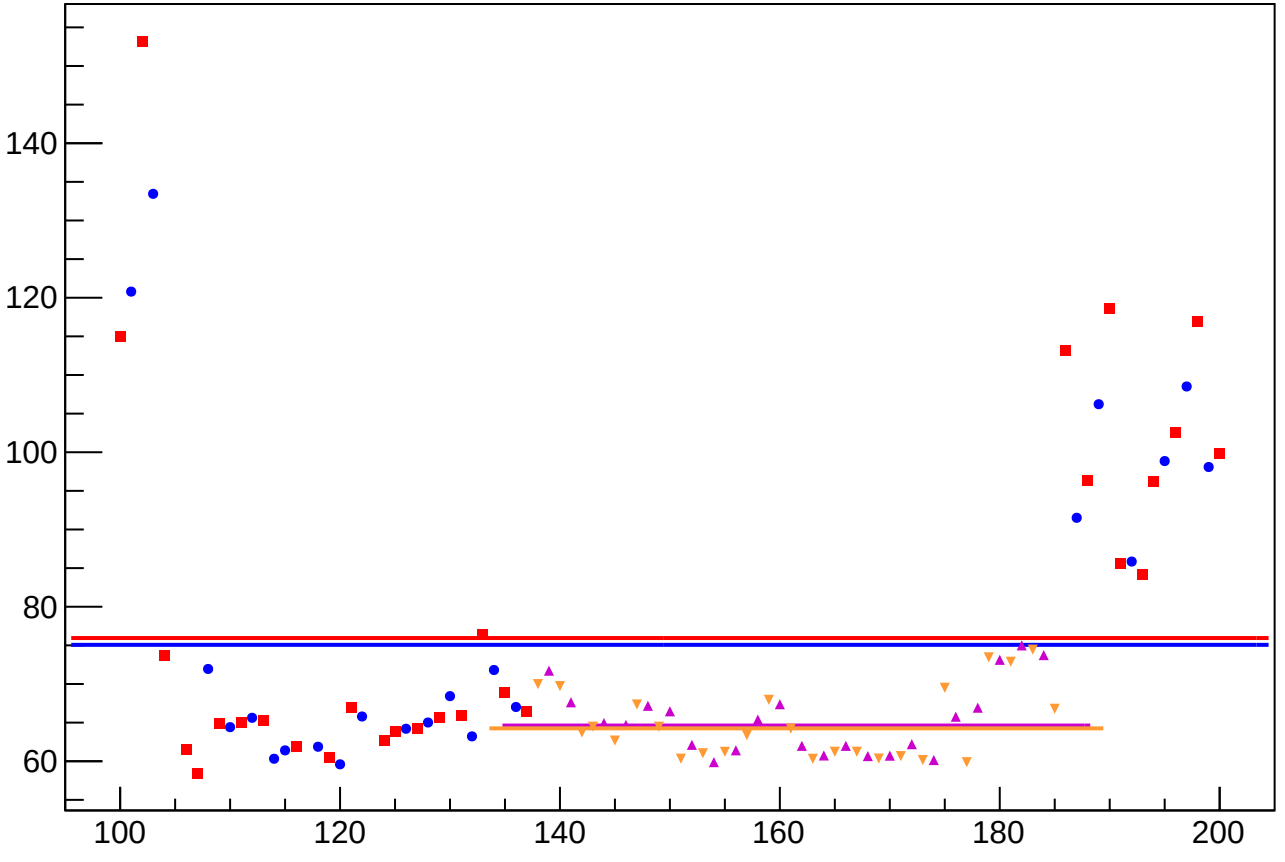
Right: -61.356+/-15.557 χ^2/NDF: 66.6/49

In: 44.976+/-12.610 χ^2/NDF:75.1/44

Out: 49.942+/-12.063 χ^2/NDF:125.7/52

All: 47.569+/-8.717 χ^2/NDF: 200.9/97

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

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

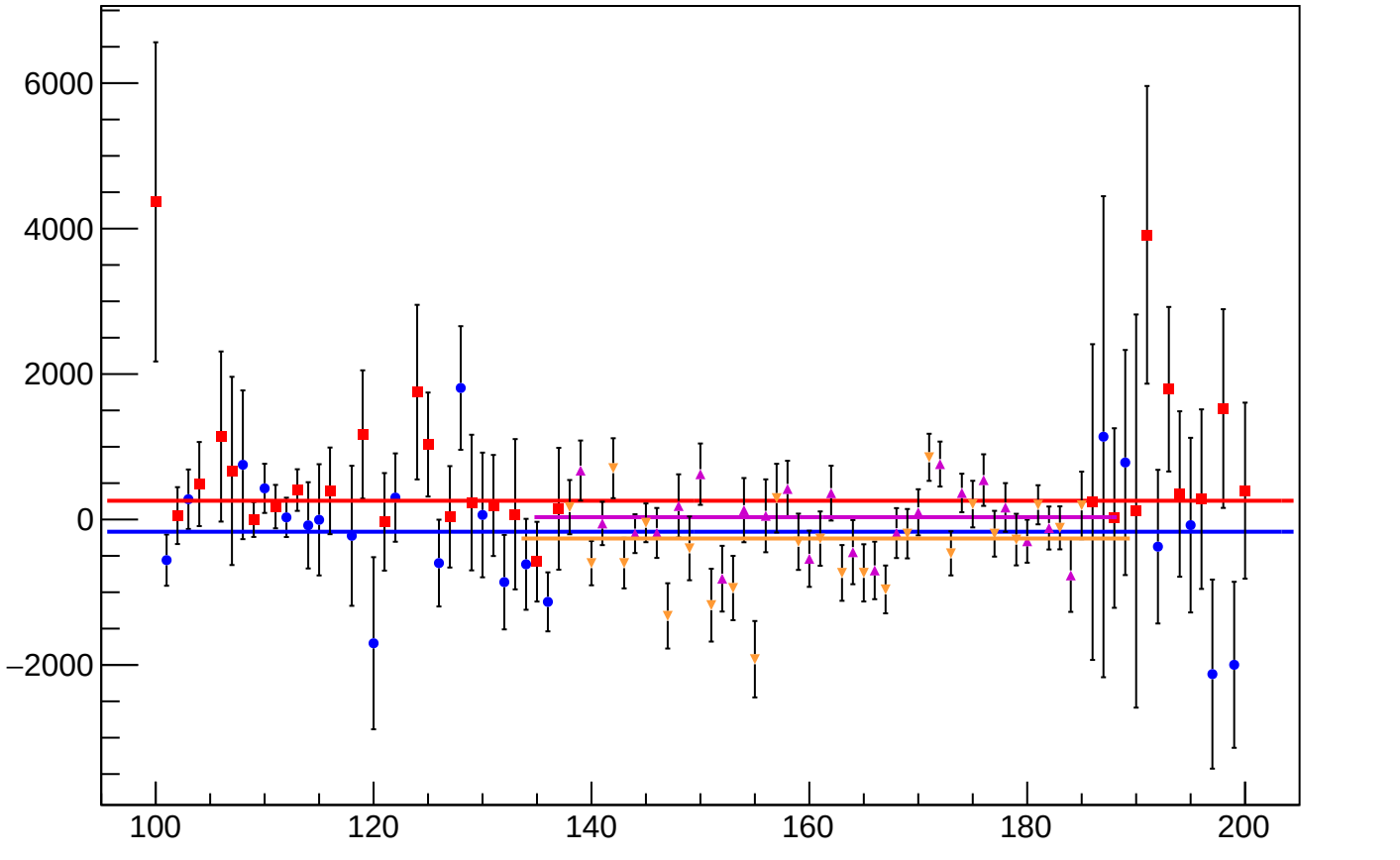
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.538+/-0.011 χ^2/NDF: 2705547.0/49

In: 67.818+/-0.009 χ^2/NDF:1627975.5/44

Out: 68.011+/-0.009 χ^2/NDF:2102065.1/52

All: 67.919+/-0.006 χ^2/NDF: 3730286.7/97



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

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

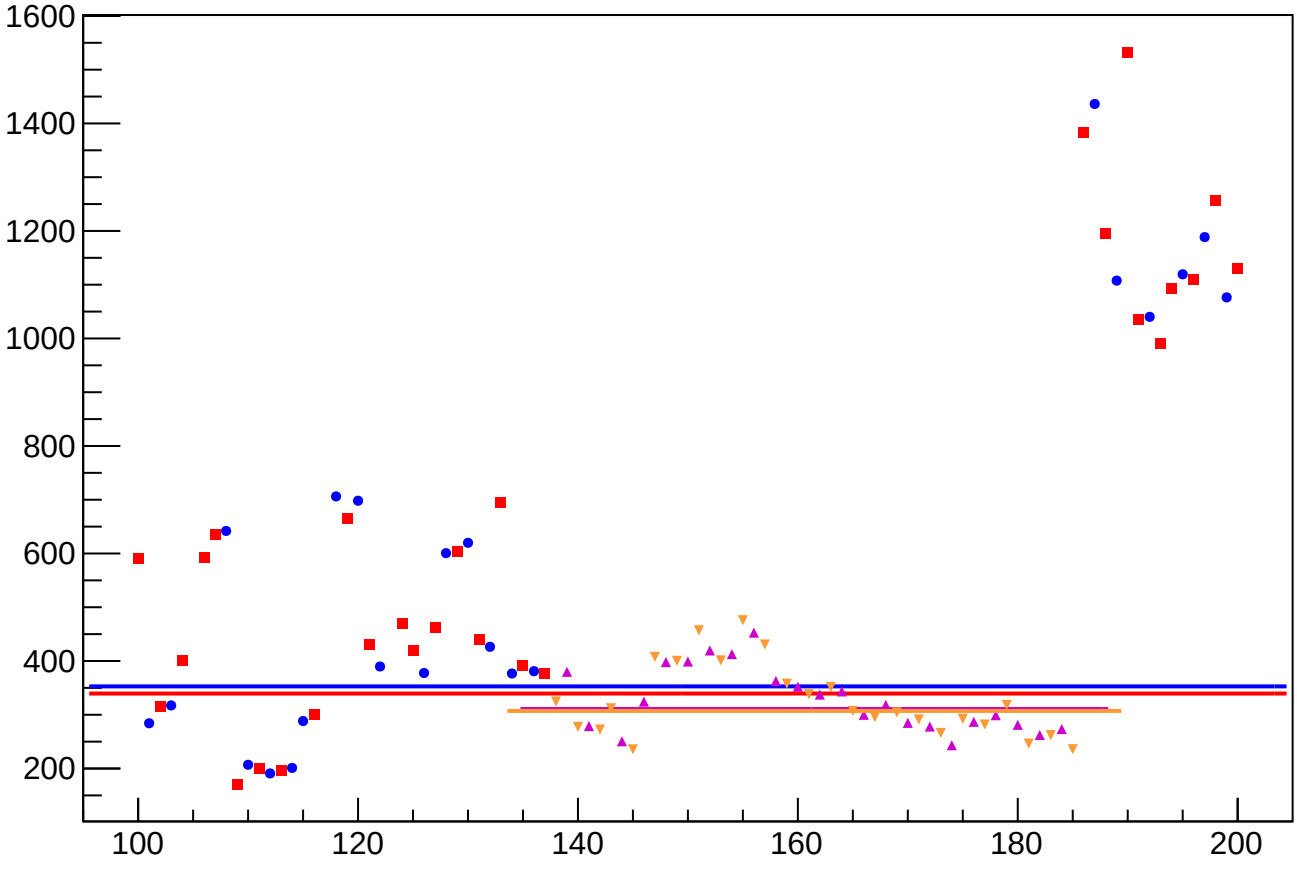
Right: 59.813+/-83.611 χ^2/NDF: 53.0/49

In: -20.921+/-63.250 χ^2/NDF:61.6/44

Out: -115.876+/-60.480 χ^2/NDF:92.2/52

All: -70.523+/-43.712 χ^2/NDF: 155.0/97

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

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

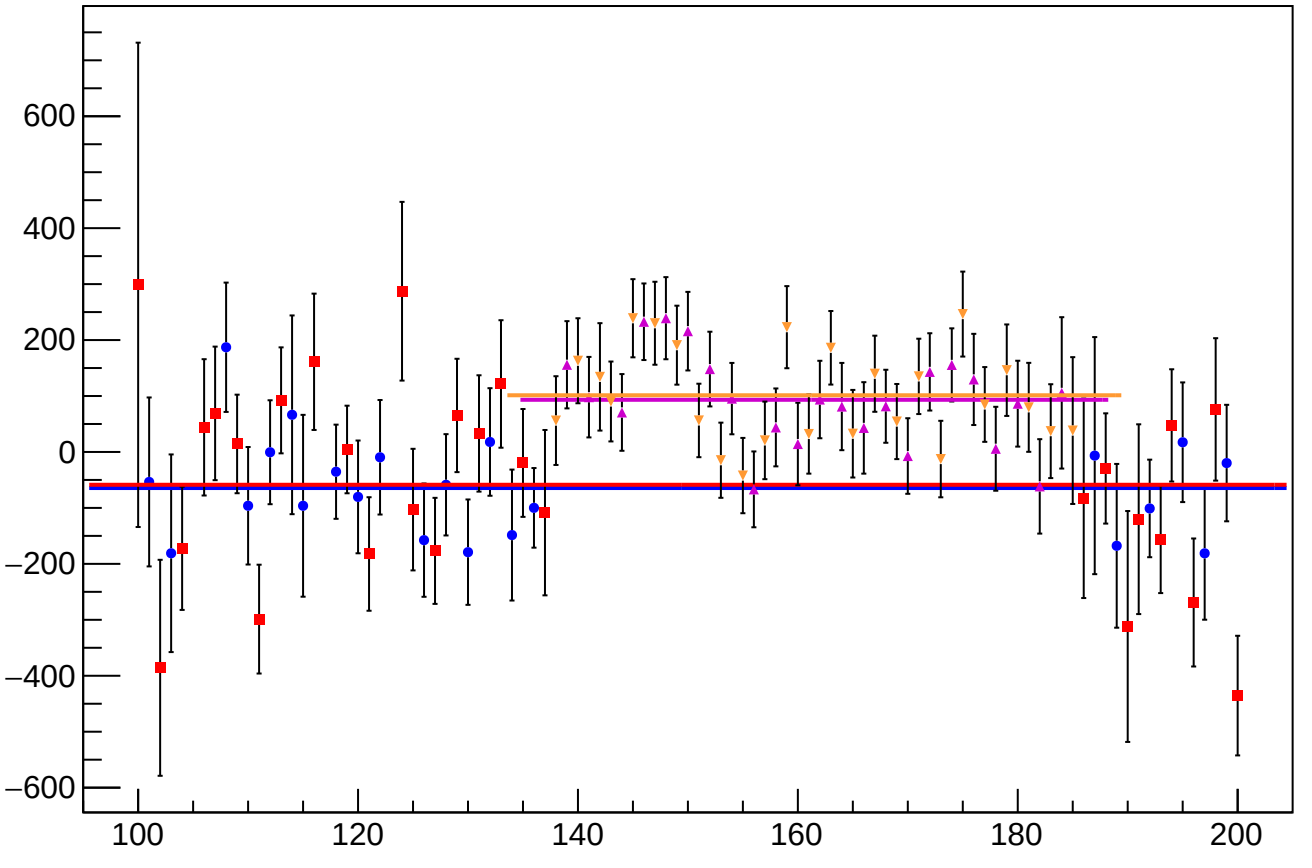
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 345.672+/-0.059 χ^2/NDF: 15532802.9/49

In: 321.904+/-0.045 χ^2/NDF:7575951.6/44

Out: 316.191+/-0.043 χ^2/NDF:10632114.3/52

All: 318.920+/-0.031 χ^2/NDF: 18216589.4/97



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

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

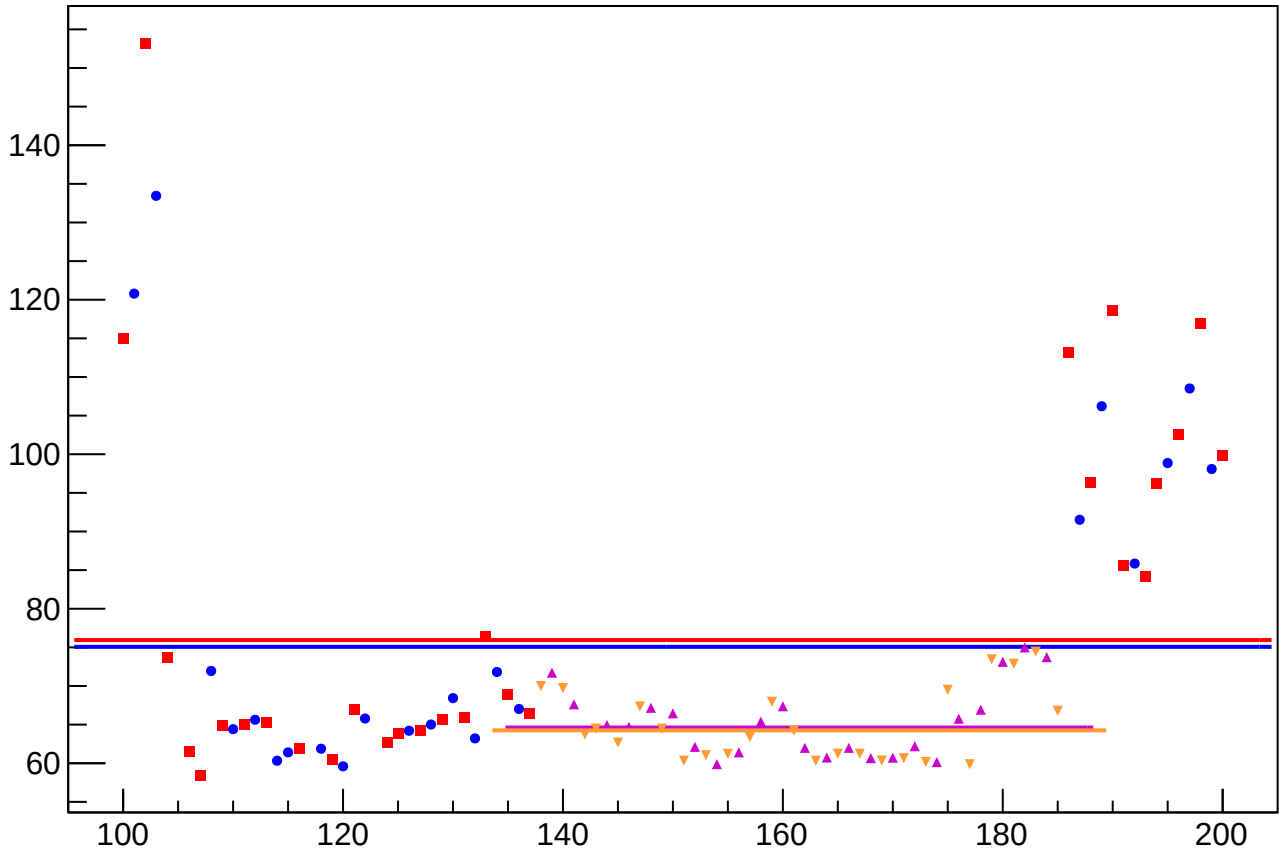
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -61.356+/-15.557 χ^2/NDF: 66.6/49

In: 44.976+/-12.610 χ^2/NDF:75.1/44

Out: 49.942+/-12.063 χ^2/NDF:125.7/52

All: 47.569+/-8.717 χ^2/NDF: 200.9/97



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

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

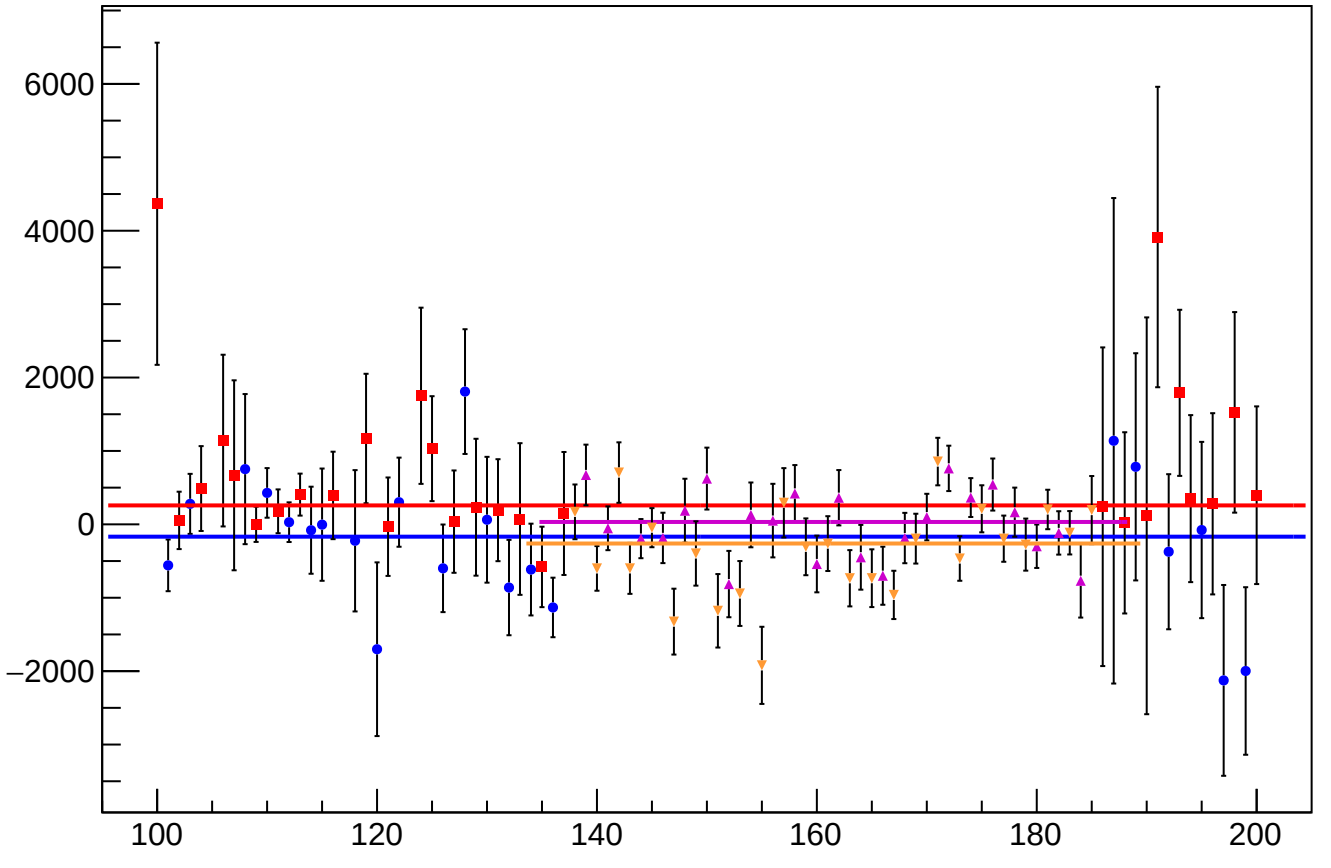
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.538+/-0.011 χ^2/NDF: 2705547.0/49

In: 67.818+/-0.009 χ^2/NDF:1627975.5/44

Out: 68.011+/-0.009 χ^2/NDF:2102065.1/52

All: 67.919+/-0.006 χ^2/NDF: 3730286.7/97



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

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

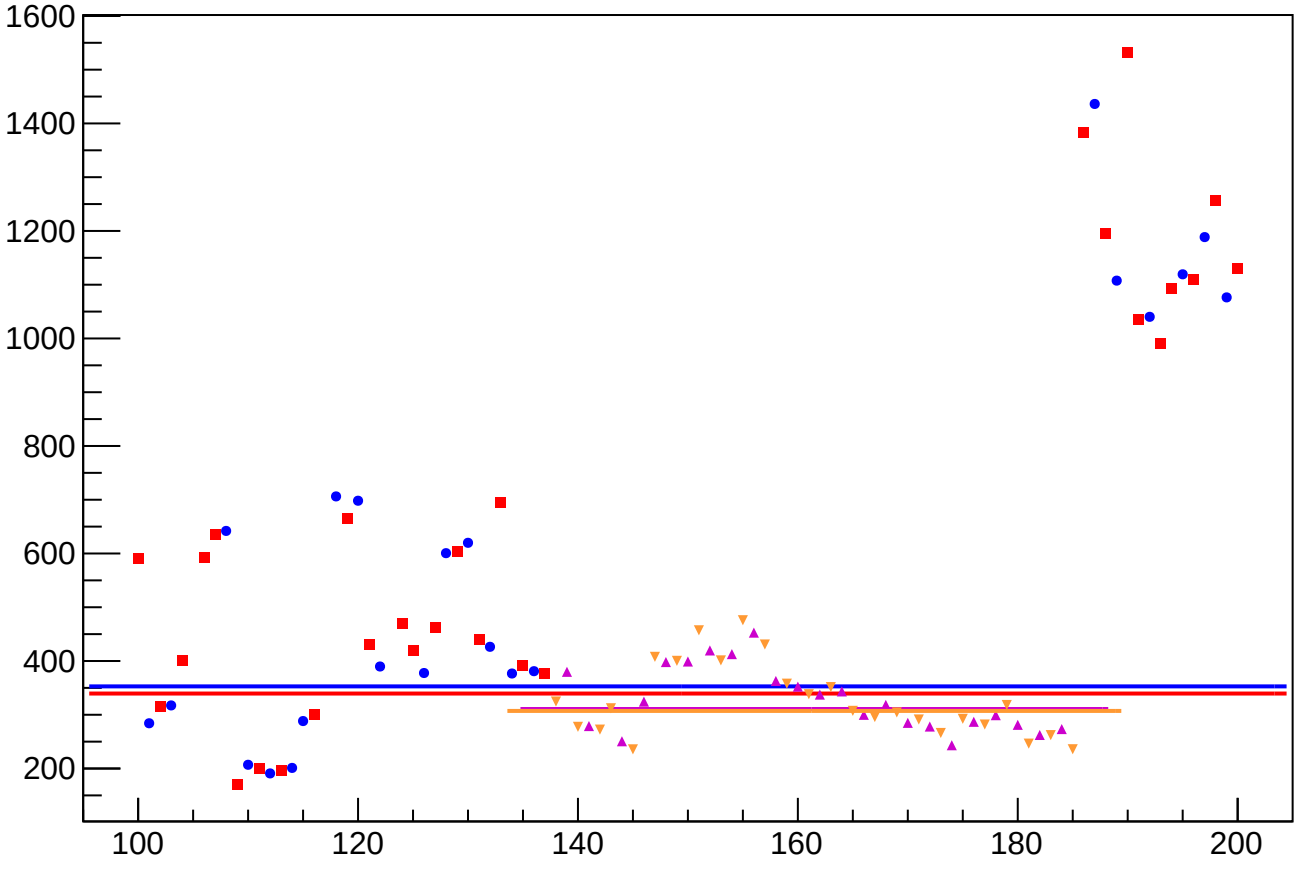
Right: 59.813+/-83.611 χ^2/NDF: 53.0/49

In: -20.921+/-63.250 χ^2/NDF:61.6/44

Out: -115.876+/-60.480 χ^2/NDF:92.2/52

All: -70.523+/-43.712 χ^2/NDF: 155.0/97

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

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

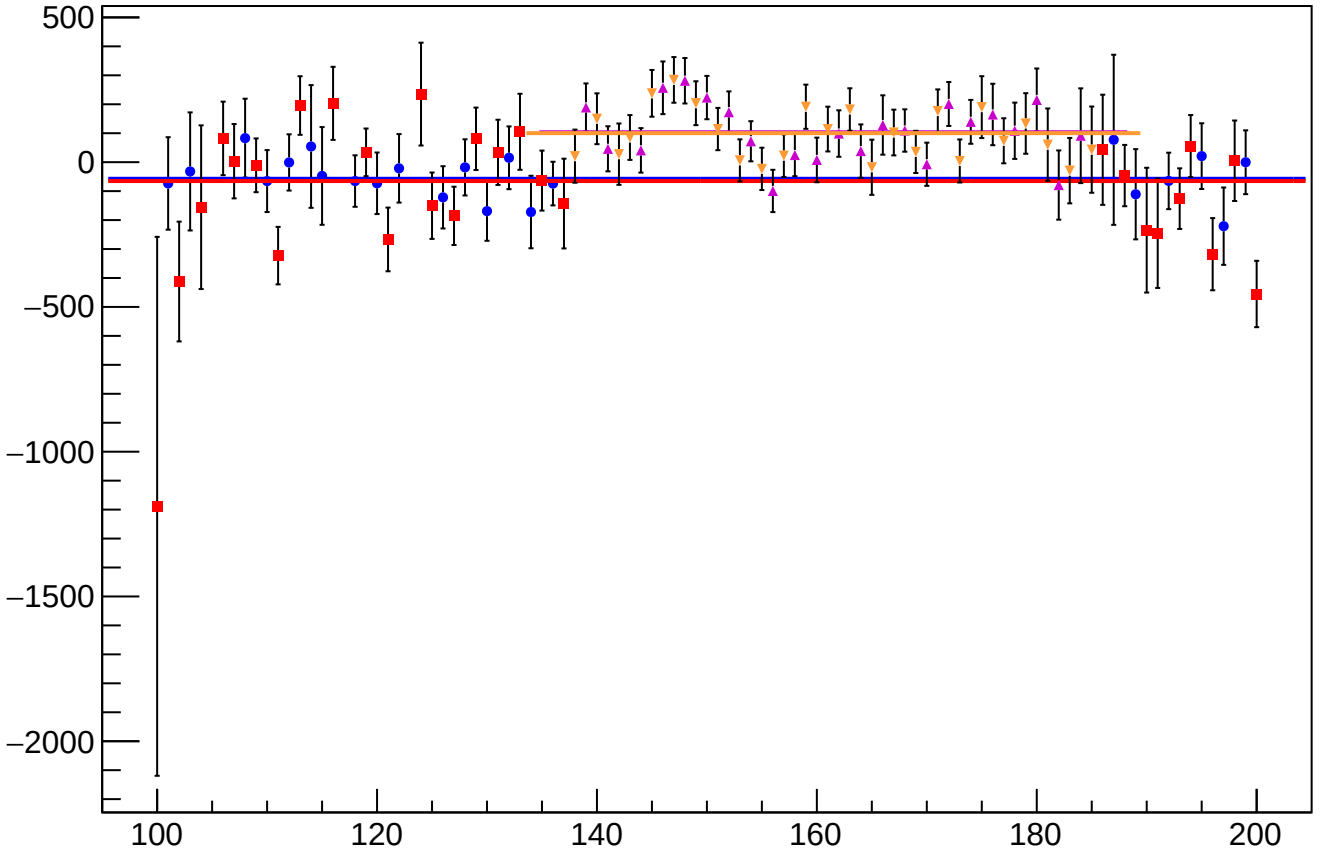
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 345.672+/-0.059 χ^2/NDF: 15532802.9/49

In: 321.904+/-0.045 χ^2/NDF:7575951.6/44

Out: 316.191+/-0.043 χ^2/NDF:10632114.3/52

All: 318.920+/-0.031 χ^2/NDF: 18216589.4/97



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

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

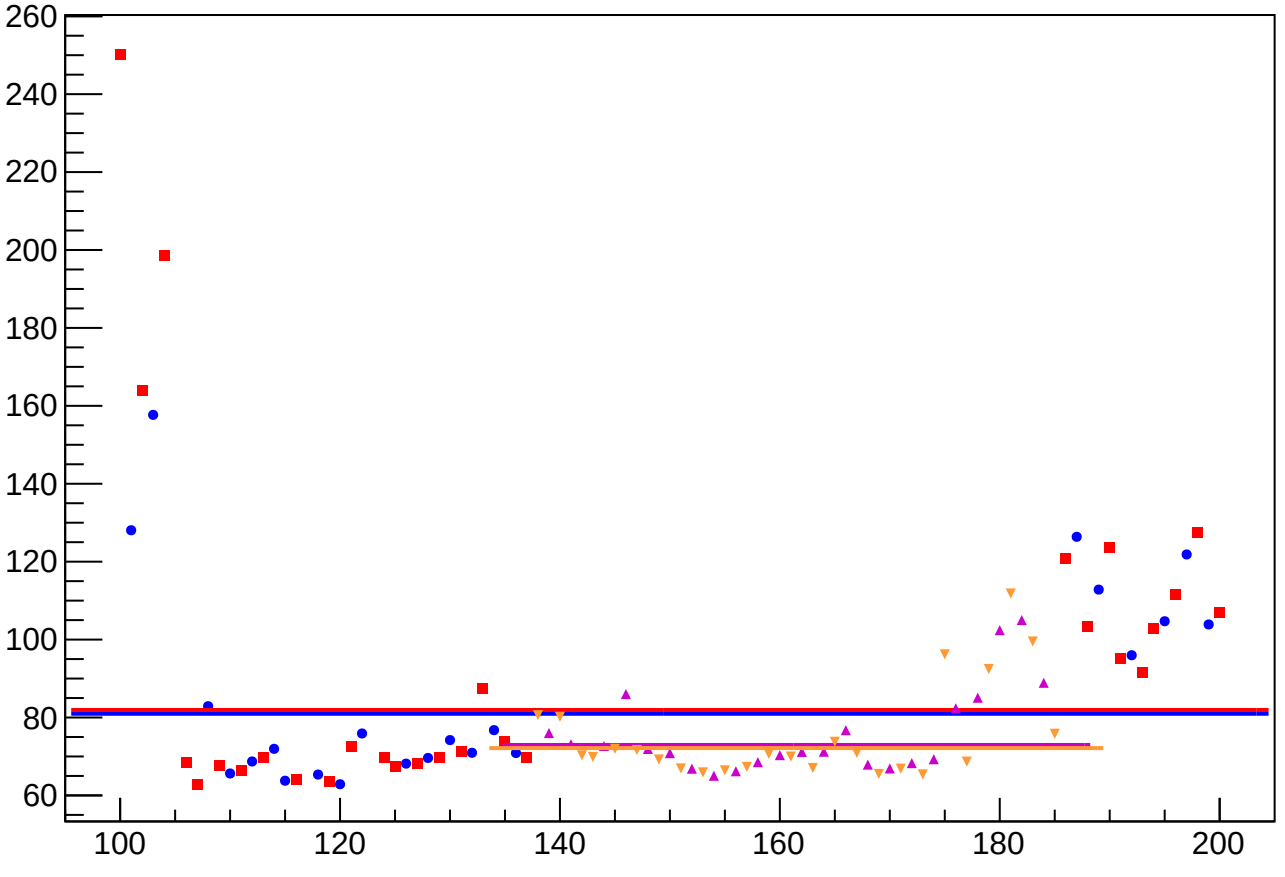
Right: -61.516+/-16.878 χ^2/NDF: 65.4/49

In: 50.569+/-14.145 χ^2/NDF:68.7/44

Out: 43.929+/-13.500 χ^2/NDF:119.3/52

All: 47.094+/-9.766 χ^2/NDF: 188.1/97

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 80.965+/-0.017 χ^2/NDF: 1337639.9/21

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

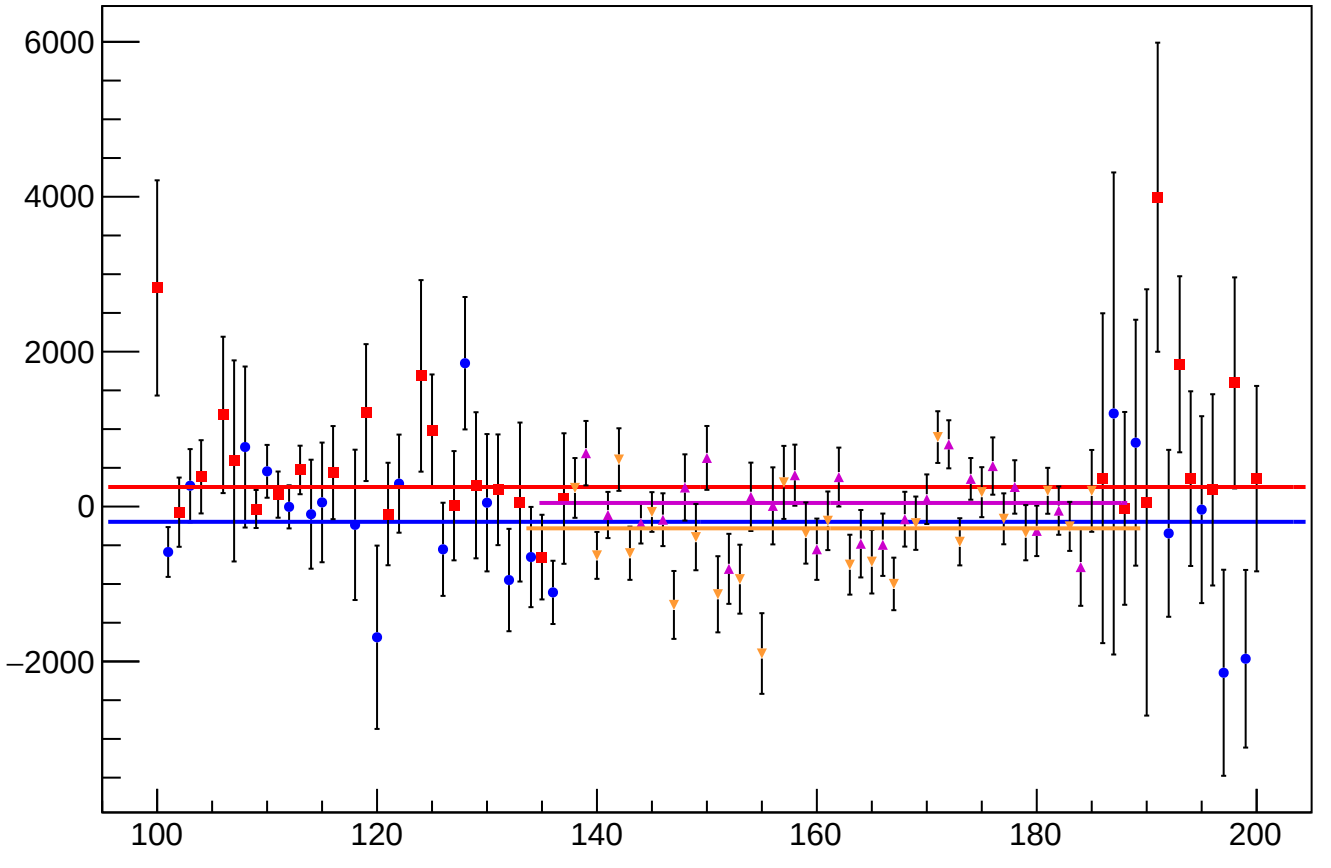
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.482+/-0.012 χ^2/NDF: 3325004.3/49

In: 75.581+/-0.010 χ^2/NDF:1988368.1/44

Out: 75.483+/-0.010 χ^2/NDF:2863723.0/52

All: 75.530+/-0.007 χ^2/NDF: 4852141.5/97



Right In: -197.106+/-125.006 χ^2/NDF: 27.9/21

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

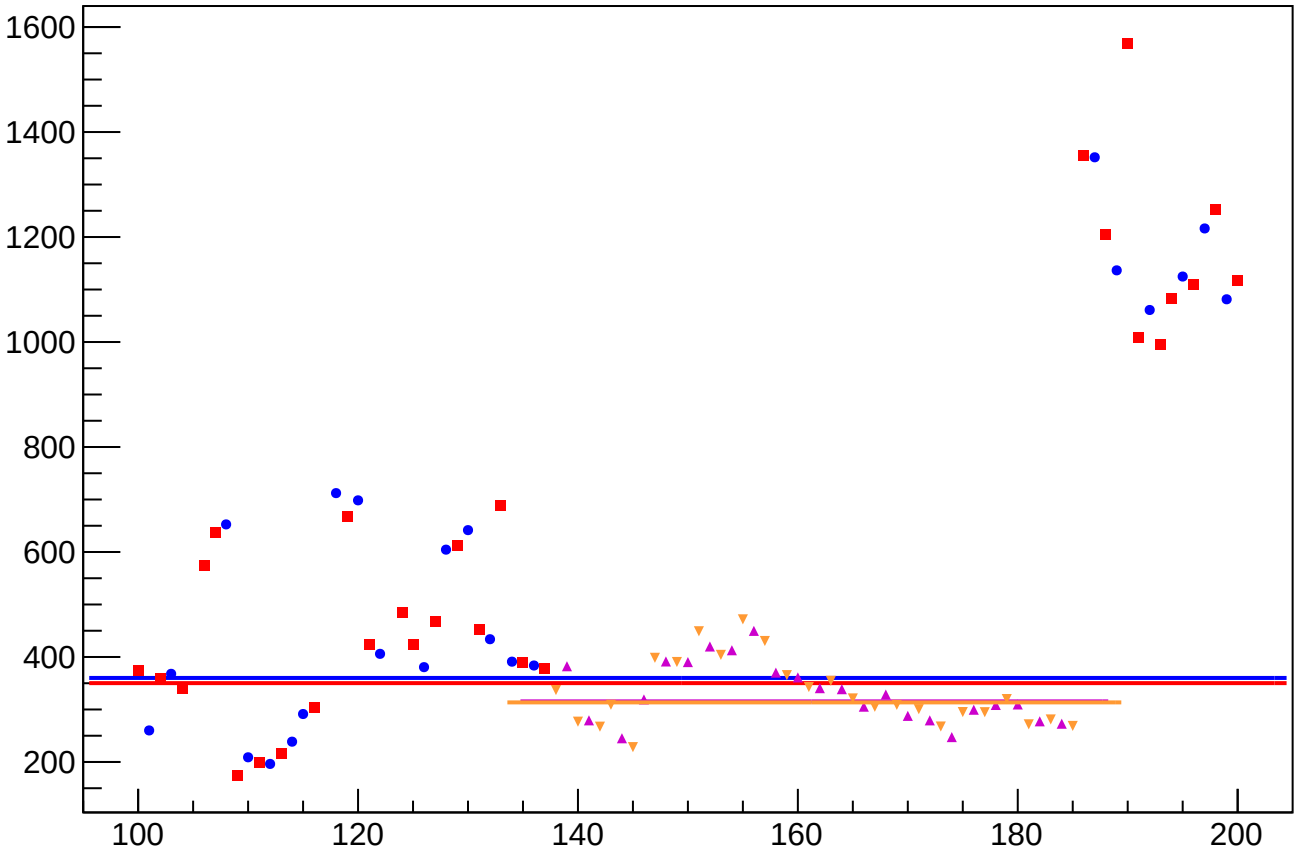
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 43.973+/-85.126 χ^2/NDF: 55.0/49

In: -17.799+/-64.248 χ^2/NDF:61.4/44

Out: -131.644+/-61.539 χ^2/NDF:92.2/52

All: -77.172+/-44.441 χ^2/NDF: 155.3/97



Right In: 360.088+/-0.088 χ^2/NDF: 6305330.4/21

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

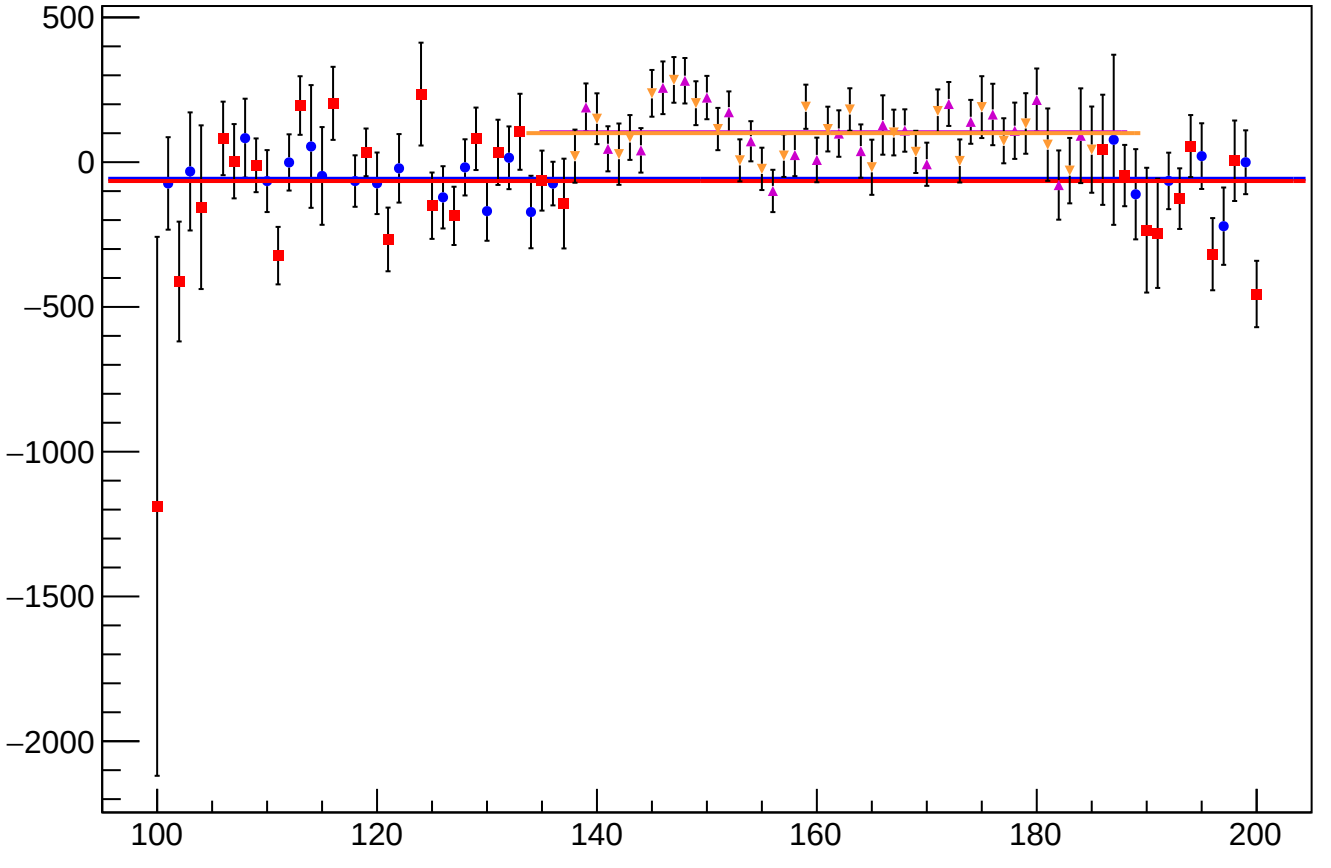
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 354.790+/-0.060 χ^2/NDF: 15191425.5/49

In: 327.245+/-0.045 χ^2/NDF:7501463.9/44

Out: 323.789+/-0.044 χ^2/NDF:10198483.8/52

All: 325.442+/-0.031 χ^2/NDF: 17702966.8/97



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

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

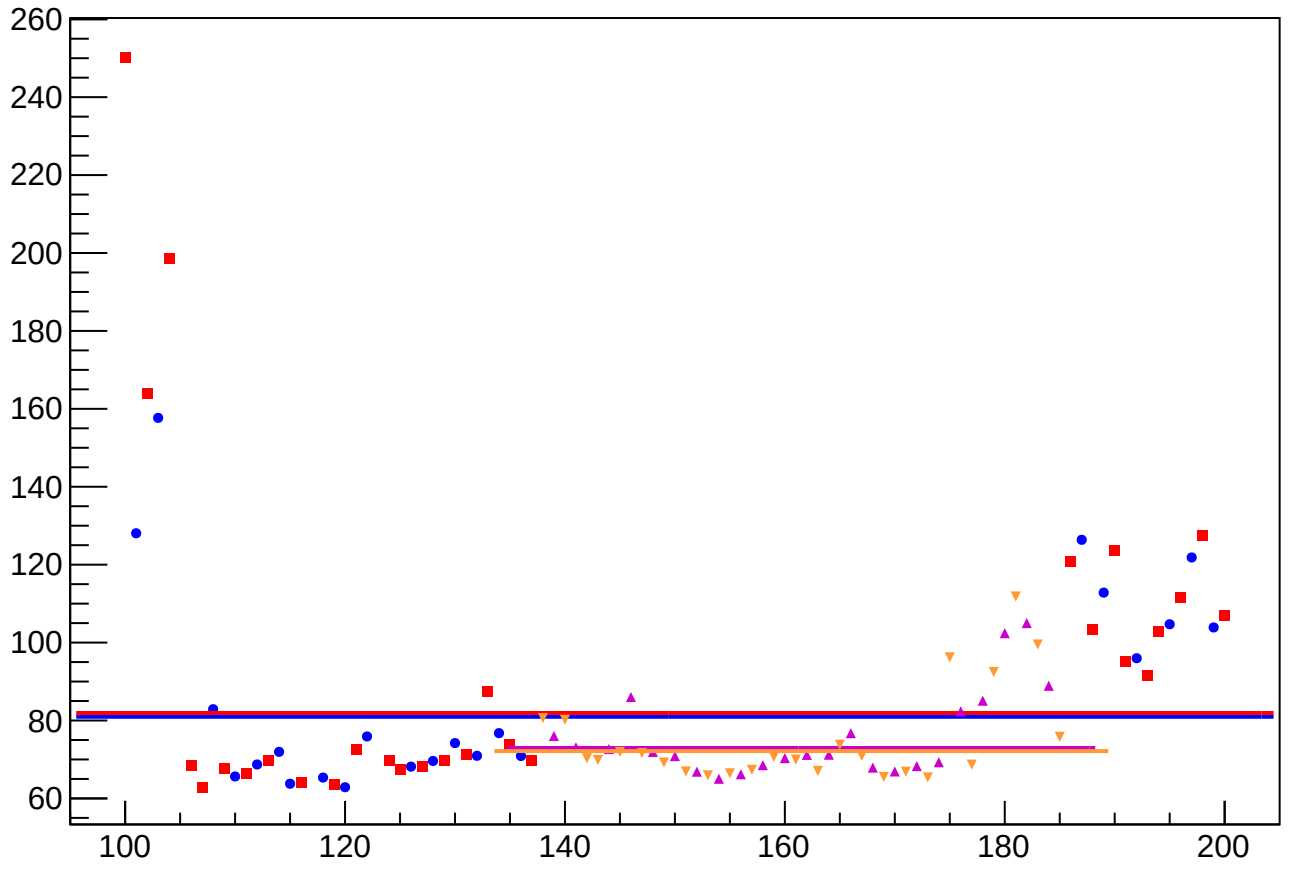
Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

Right: -61.516+/-16.878 χ^2/NDF: 65.4/49

In: 50.569+/-14.145 χ^2/NDF:68.7/44

Out: 43.929+/-13.500 χ^2/NDF:119.3/52

All: 47.094+/-9.766 χ^2/NDF: 188.1/97



Right In: 80.965+/-0.017 χ^2/NDF: 1337646.7/21

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

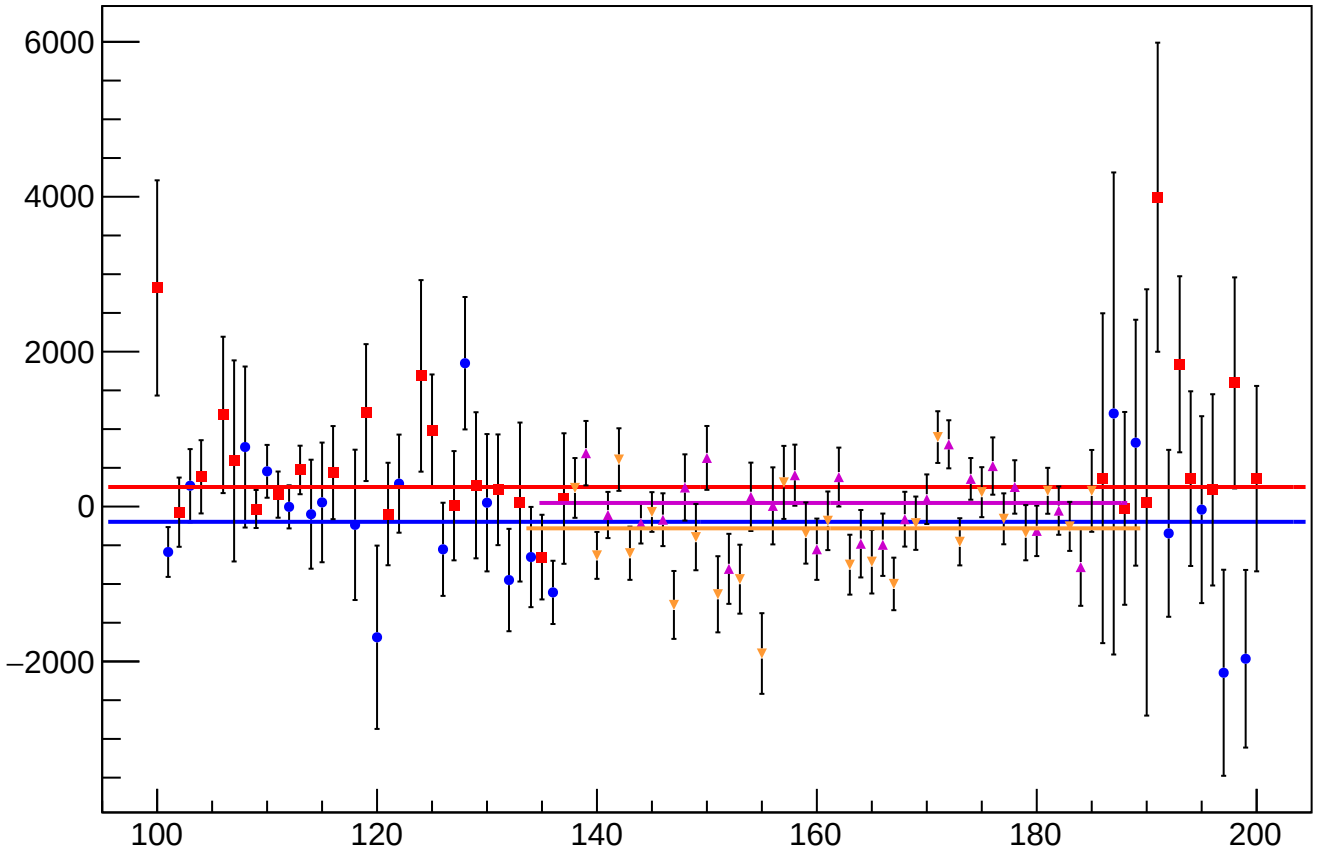
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.482+/-0.012 χ^2/NDF: 3325012.0/49

In: 75.581+/-0.010 χ^2/NDF:1988370.3/44

Out: 75.483+/-0.010 χ^2/NDF:2863715.3/52

All: 75.530+/-0.007 χ^2/NDF: 4852136.1/97



Right In: -197.104+/-125.005 χ^2/NDF: 27.9/21

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

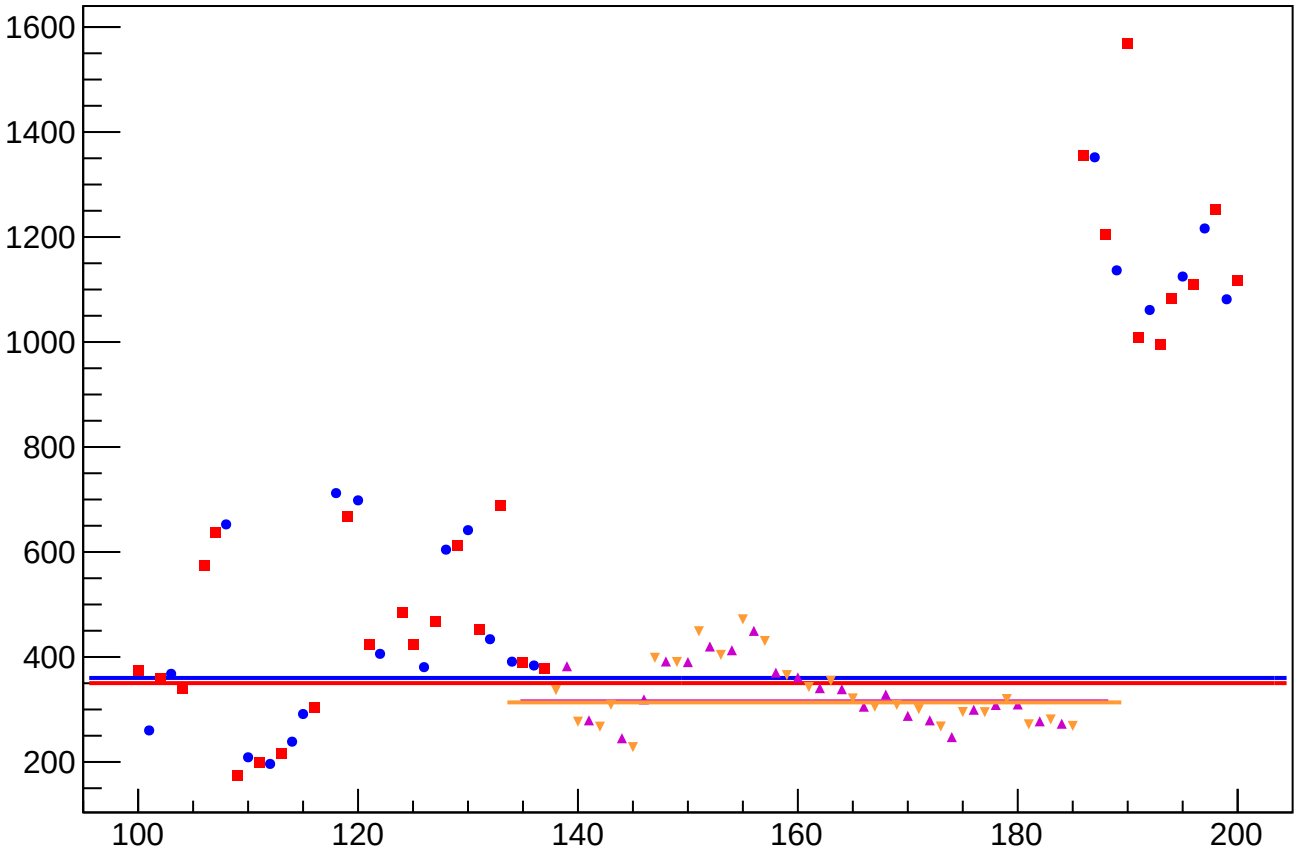
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 43.973+/-85.125 χ^2/NDF: 55.0/49

In: -17.799+/-64.248 χ^2/NDF:61.4/44

Out: -131.644+/-61.539 χ^2/NDF:92.2/52

All: -77.172+/-44.441 χ^2/NDF: 155.3/97



Right In: 360.085+/-0.088 χ^2/NDF: 6305388.0/21

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

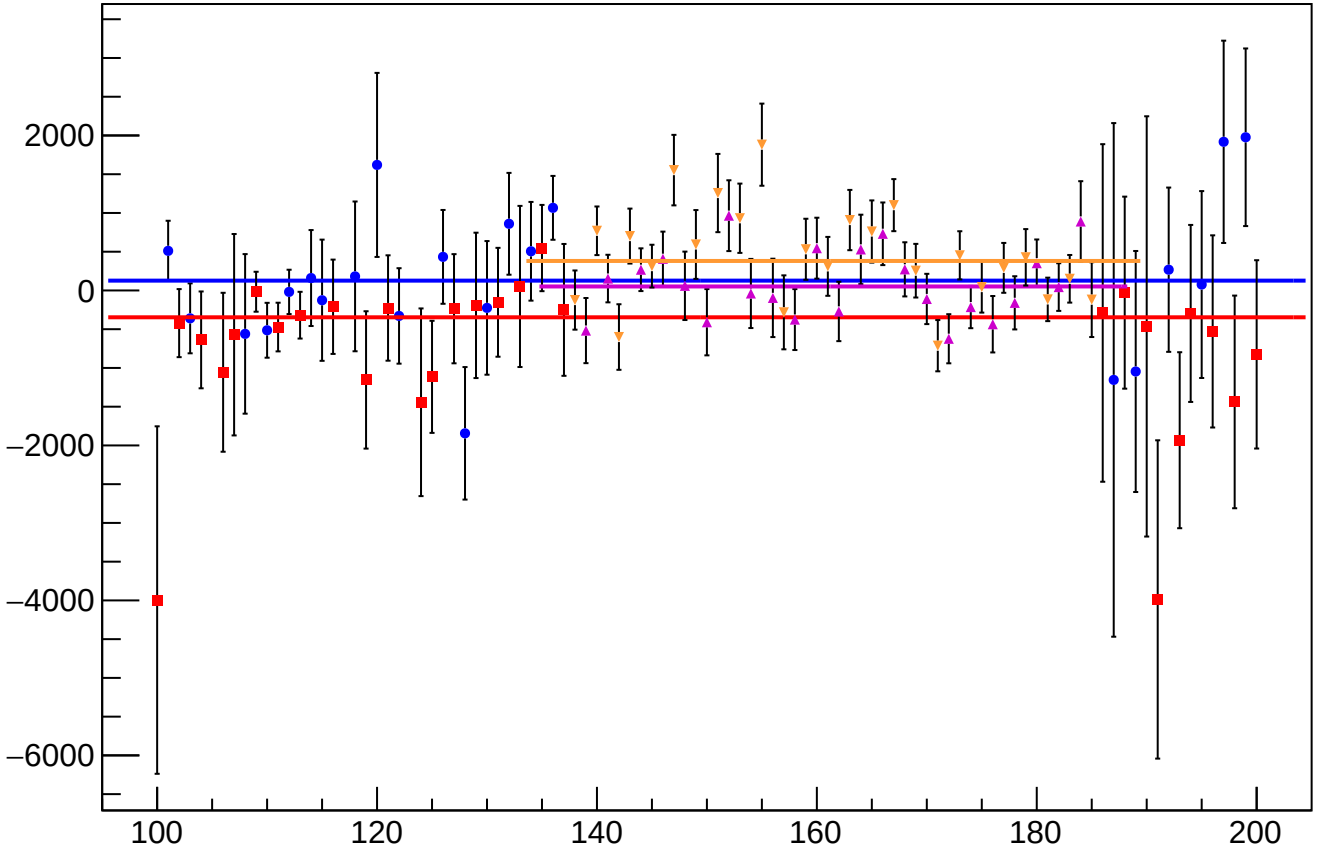
Right: 354.788+/-0.060 χ^2/NDF: 15191514.5/49

In: 327.245+/-0.045 χ^2/NDF:7501496.0/44

Out: 323.788+/-0.044 χ^2/NDF:10198508.1/52

All: 325.442+/-0.031 χ^2/NDF: 17703023.2/97

asym_sam7_mean vs Slug, Sign Corrected



Right In: 126.729+/-128.157 χ^2/NDF: 26.1/21

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

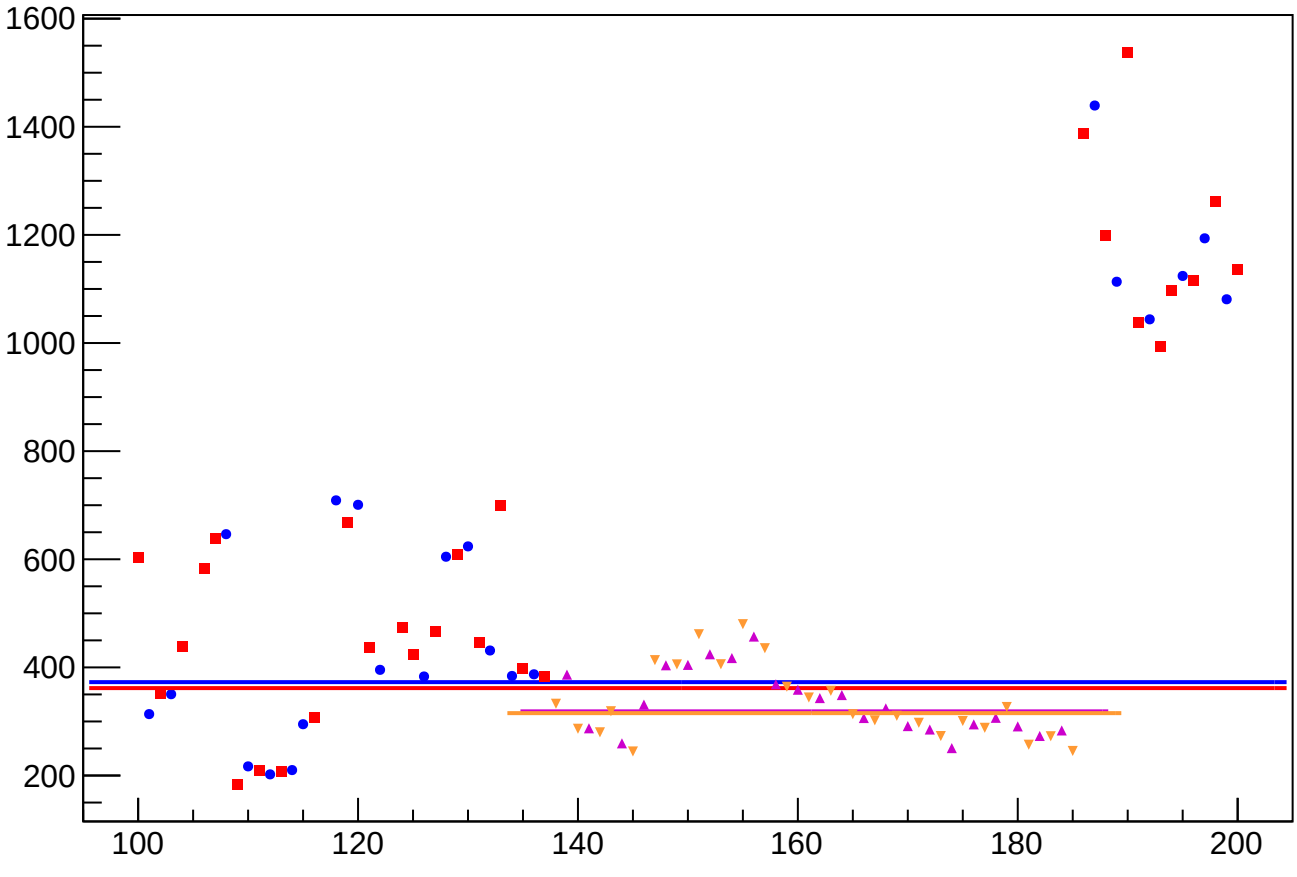
Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

Right: -125.912+/-87.489 χ^2/NDF: 50.3/49

In: 70.912+/-65.133 χ^2/NDF:54.6/44

Out: 183.370+/-62.363 χ^2/NDF:99.2/52

All: 129.584+/-45.045 χ^2/NDF: 155.3/97



Right In: 372.742+/-0.091 χ^2/NDF: 5976422.0/21

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

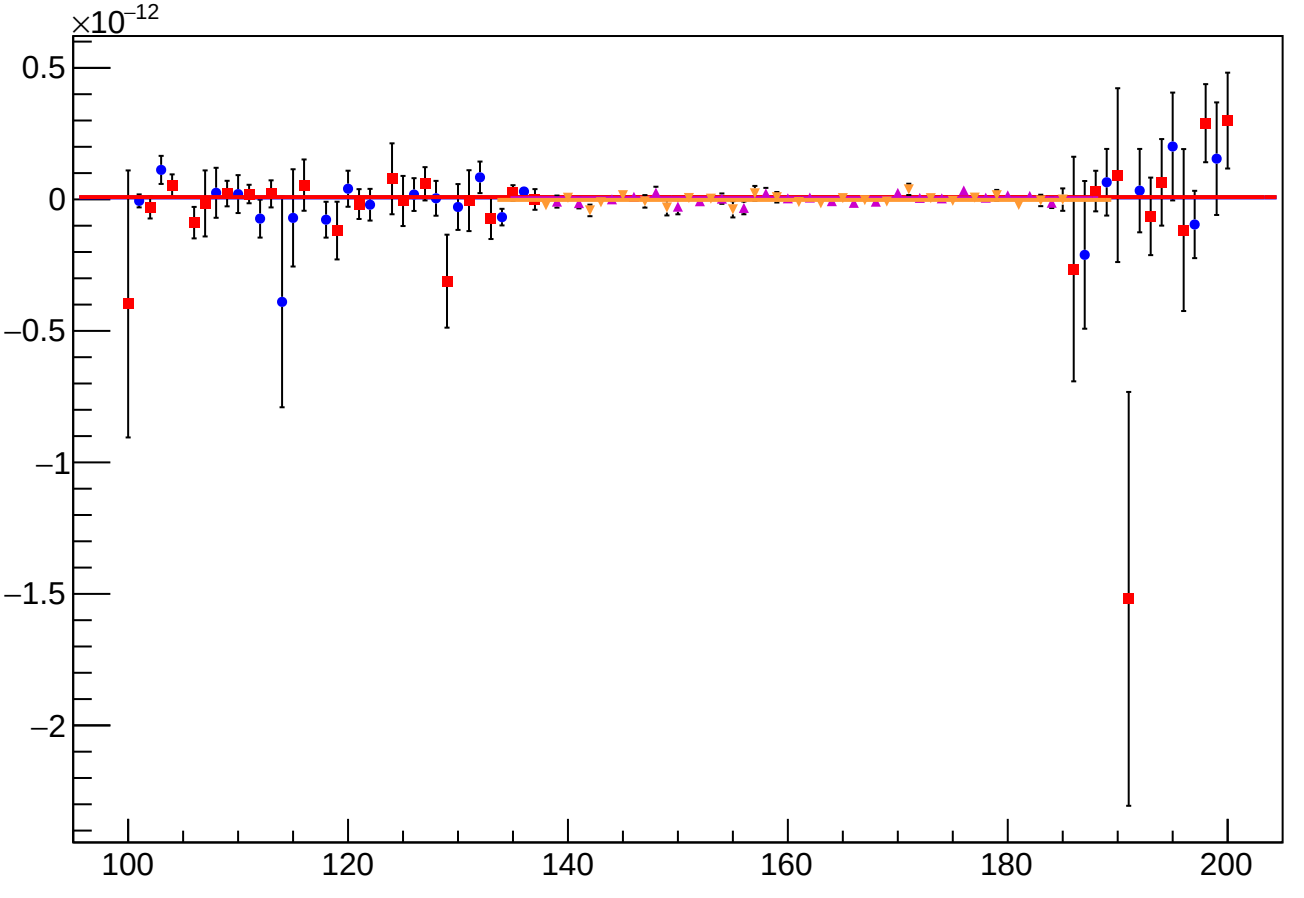
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 366.849+/-0.062 χ^2/NDF: 14726917.8/49

In: 332.650+/-0.046 χ^2/NDF:7231920.1/44

Out: 327.960+/-0.044 χ^2/NDF:10170711.0/52

All: 330.203+/-0.032 χ^2/NDF: 17408042.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

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

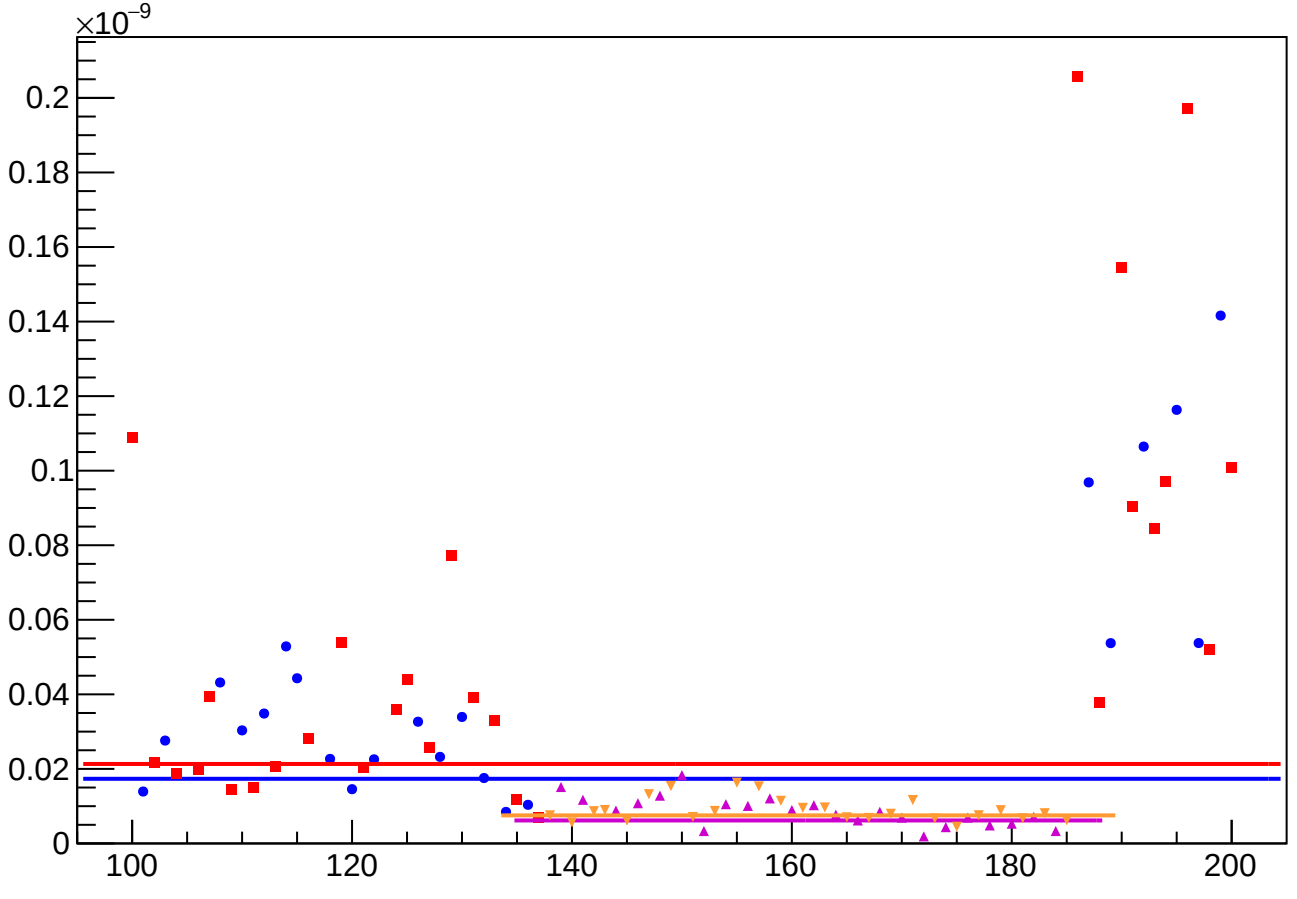
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 44.4/49

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: -0.000+/-0.000 χ^2/NDF:43.5/52

All: 0.000+/-0.000 χ^2/NDF: 83.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 3471637.7/21

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

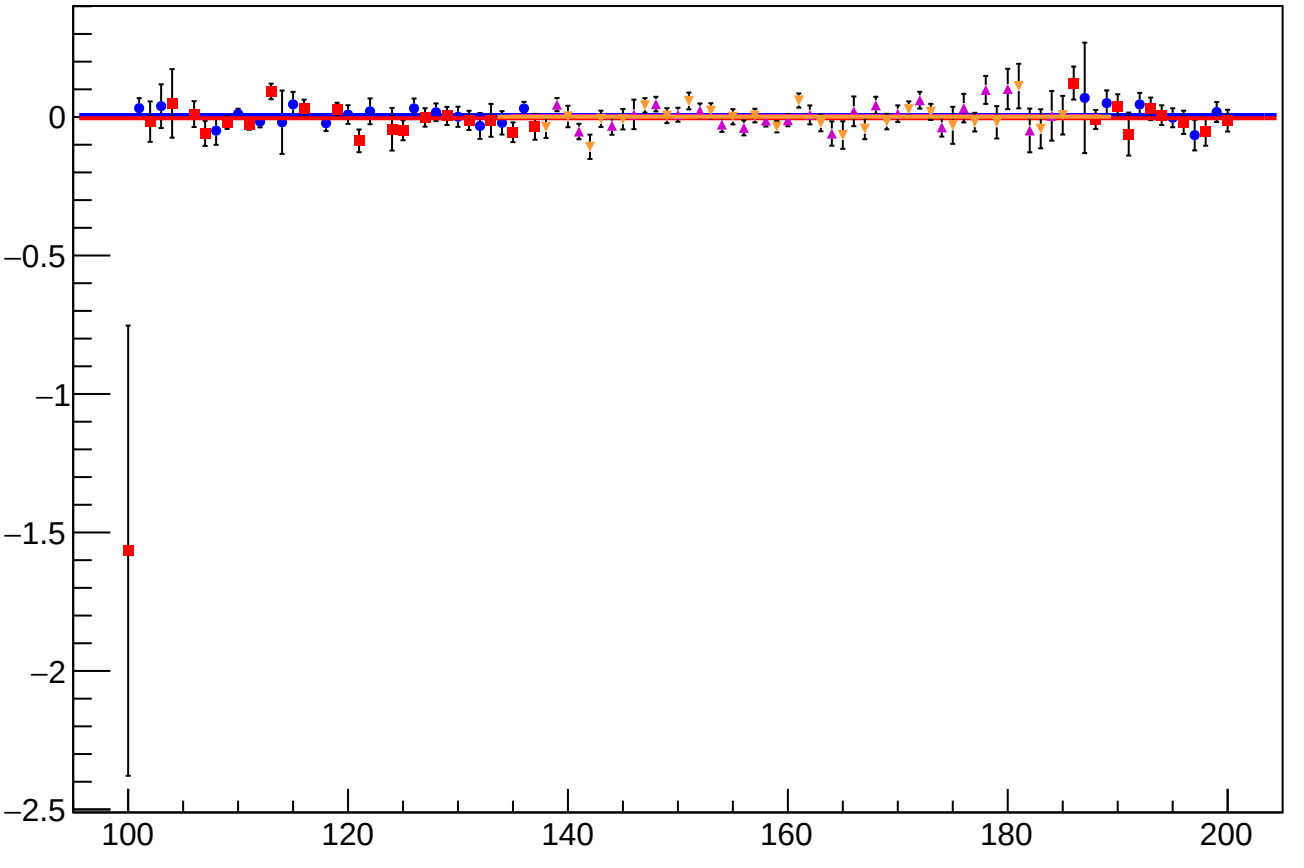
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7620344.7/49

In: 0.000+/-0.000 χ^2/NDF:8239754.7/44

Out: 0.000+/-0.000 χ^2/NDF:7531943.6/52

All: 0.000+/-0.000 χ^2/NDF: 15992764.0/97



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

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

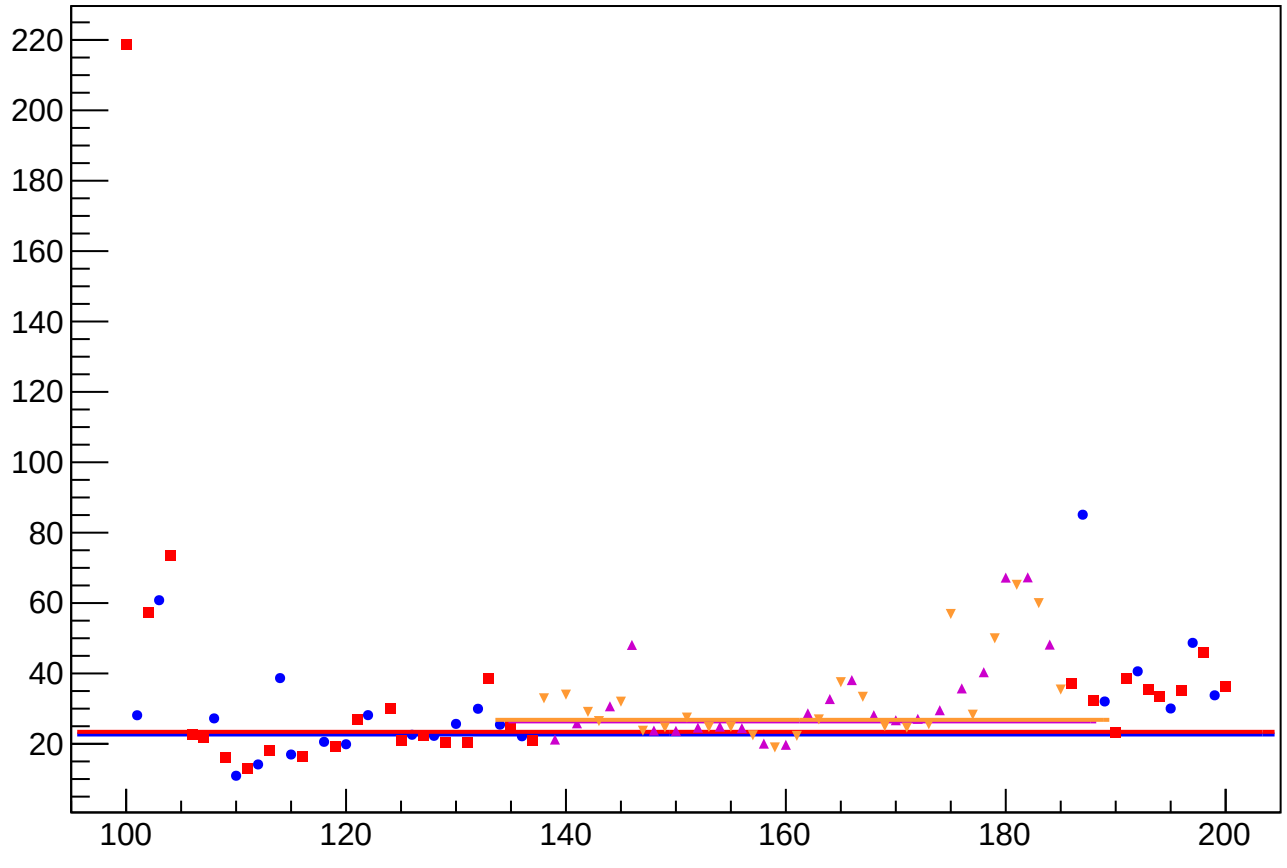
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.005 χ^2/NDF: 50.8/49

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 112.3/97



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

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

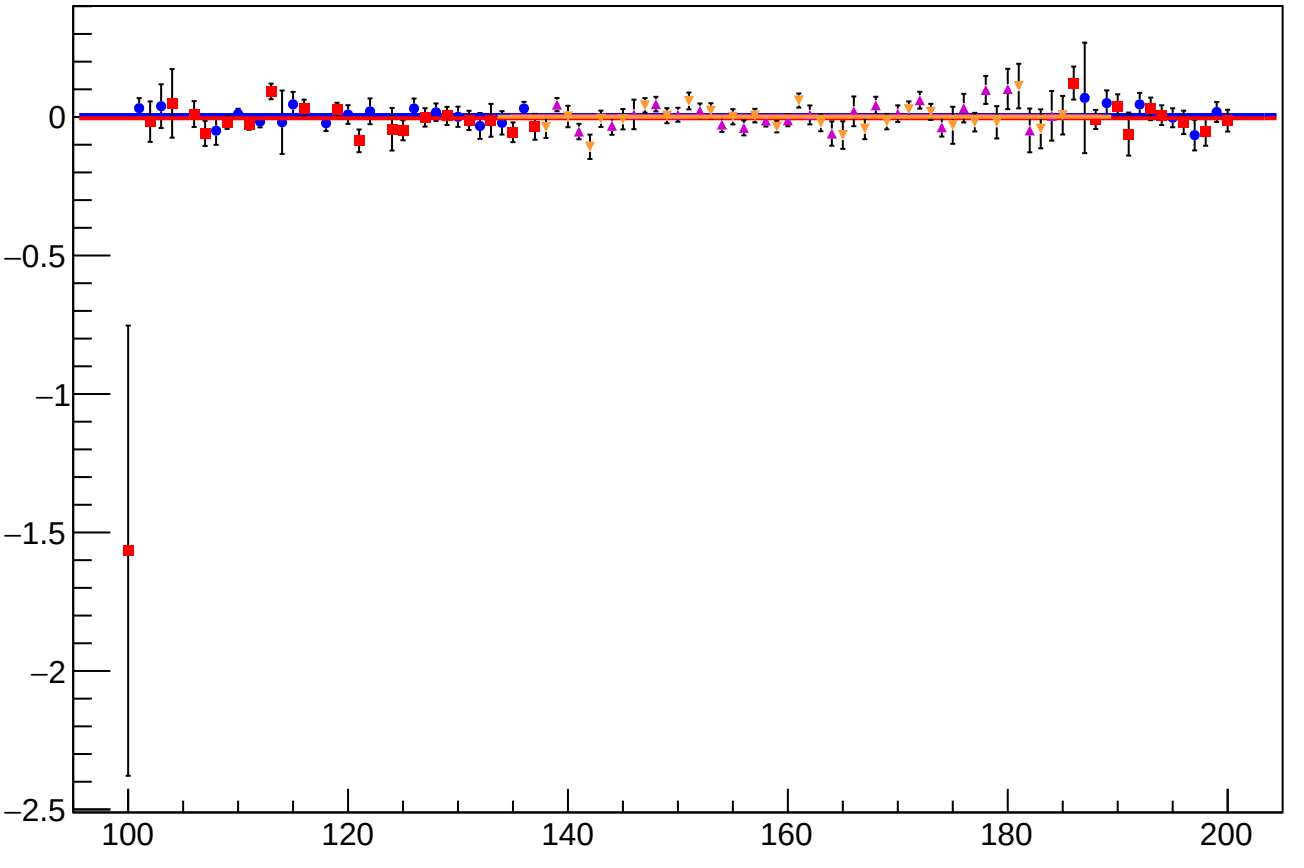
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.054+/-0.004 χ^2/NDF: 6731406.0/49

In: 24.739+/-0.003 χ^2/NDF:6077047.0/44

Out: 25.258+/-0.003 χ^2/NDF:6211689.3/52

All: 25.007+/-0.002 χ^2/NDF: 12300132.2/97



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

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

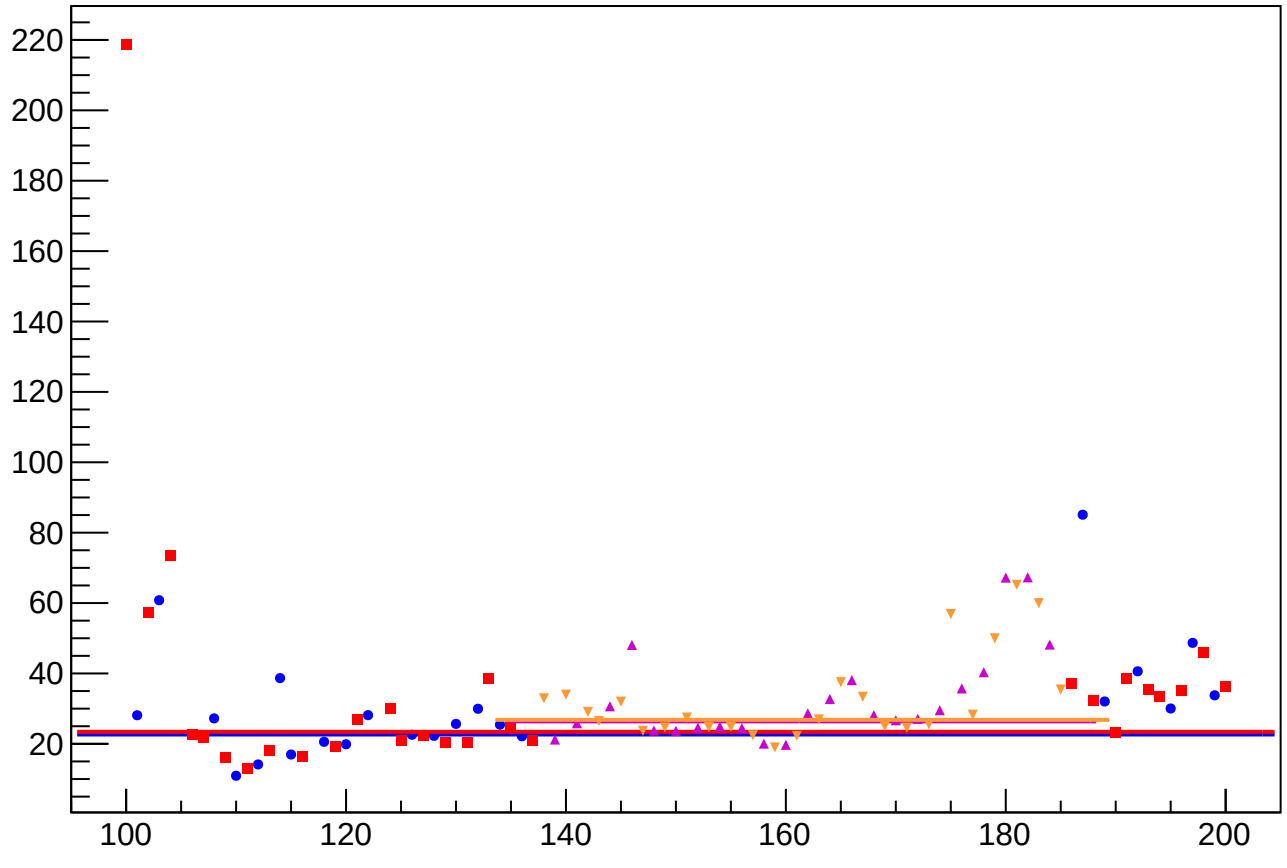
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.005 χ^2/NDF: 50.8/49

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 112.3/97



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

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

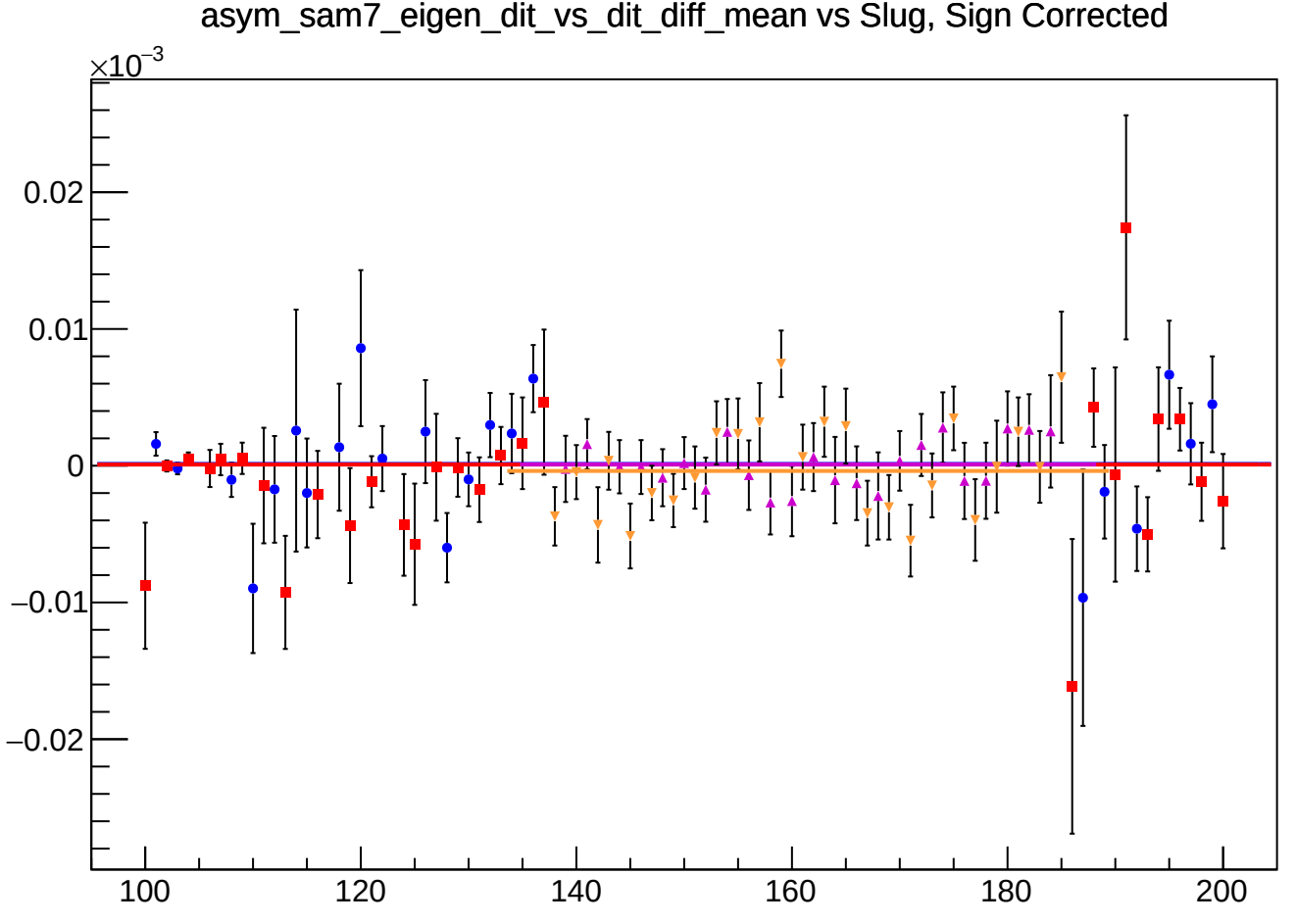
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.054+/-0.004 χ^2/NDF: 6731406.0/49

In: 24.739+/-0.003 χ^2/NDF:6077047.0/44

Out: 25.258+/-0.003 χ^2/NDF:6211689.3/52

All: 25.007+/-0.002 χ^2/NDF: 12300132.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/21

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

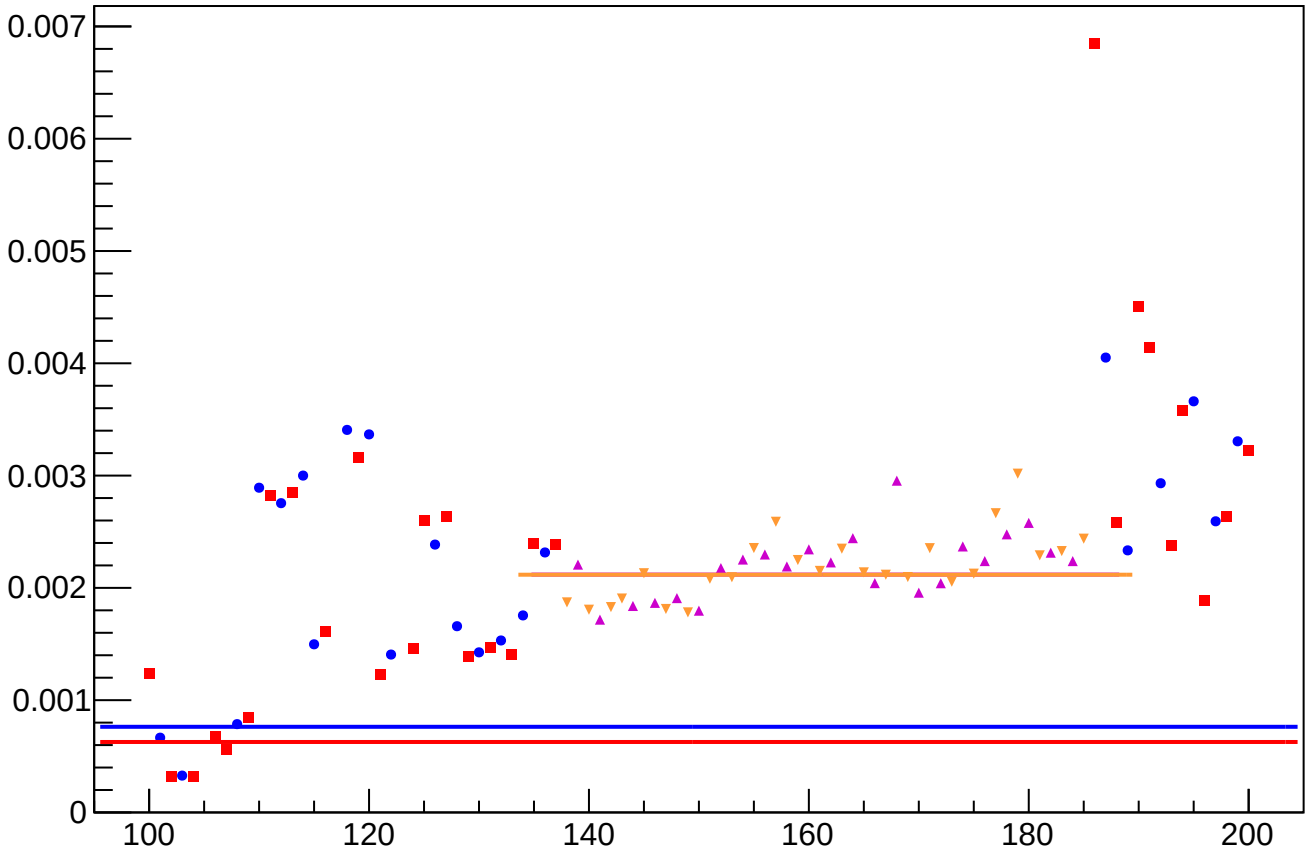
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 67.6/49

In: 0.000+/-0.000 χ^2/NDF:44.5/44

Out: -0.000+/-0.000 χ^2/NDF:77.0/52

All: 0.000+/-0.000 χ^2/NDF: 121.7/97



Right In: 0.001+/-0.000 χ^2/NDF: 11121421.7/21

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

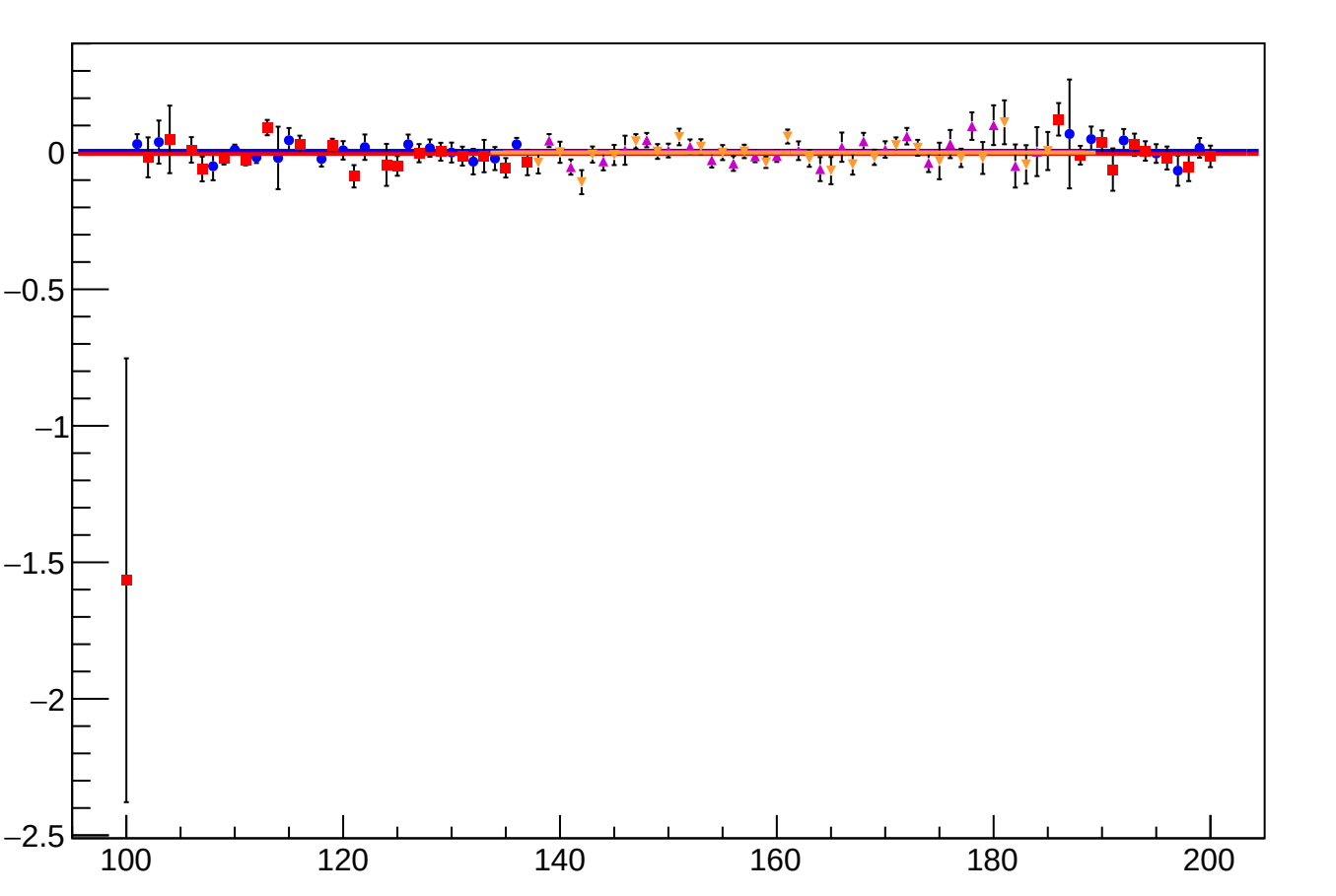
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 25568656.9/49

In: 0.001+/-0.000 χ^2/NDF:22031256.3/44

Out: 0.001+/-0.000 χ^2/NDF:29553832.0/52

All: 0.001+/-0.000 χ^2/NDF: 52353647.4/97



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

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

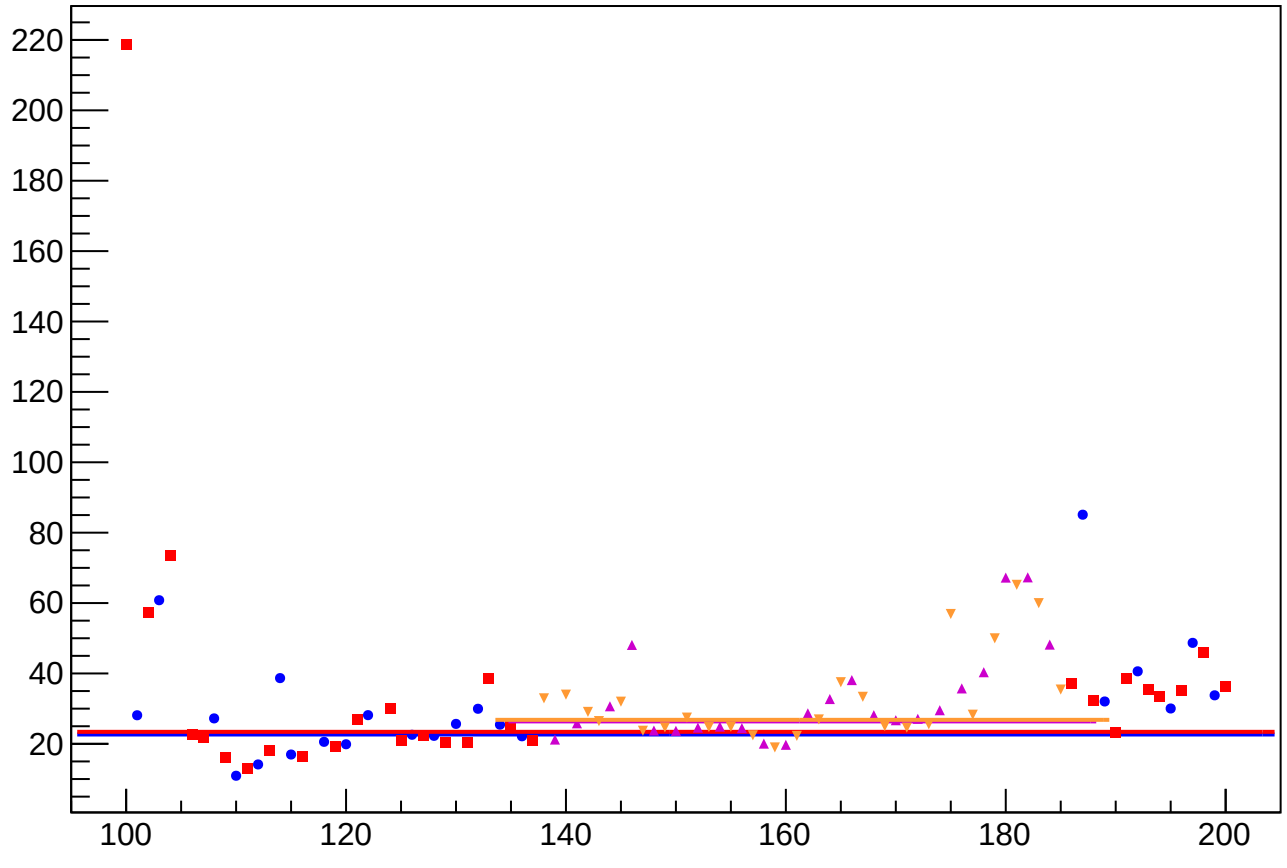
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.005 χ^2/NDF: 50.8/49

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 112.3/97



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

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

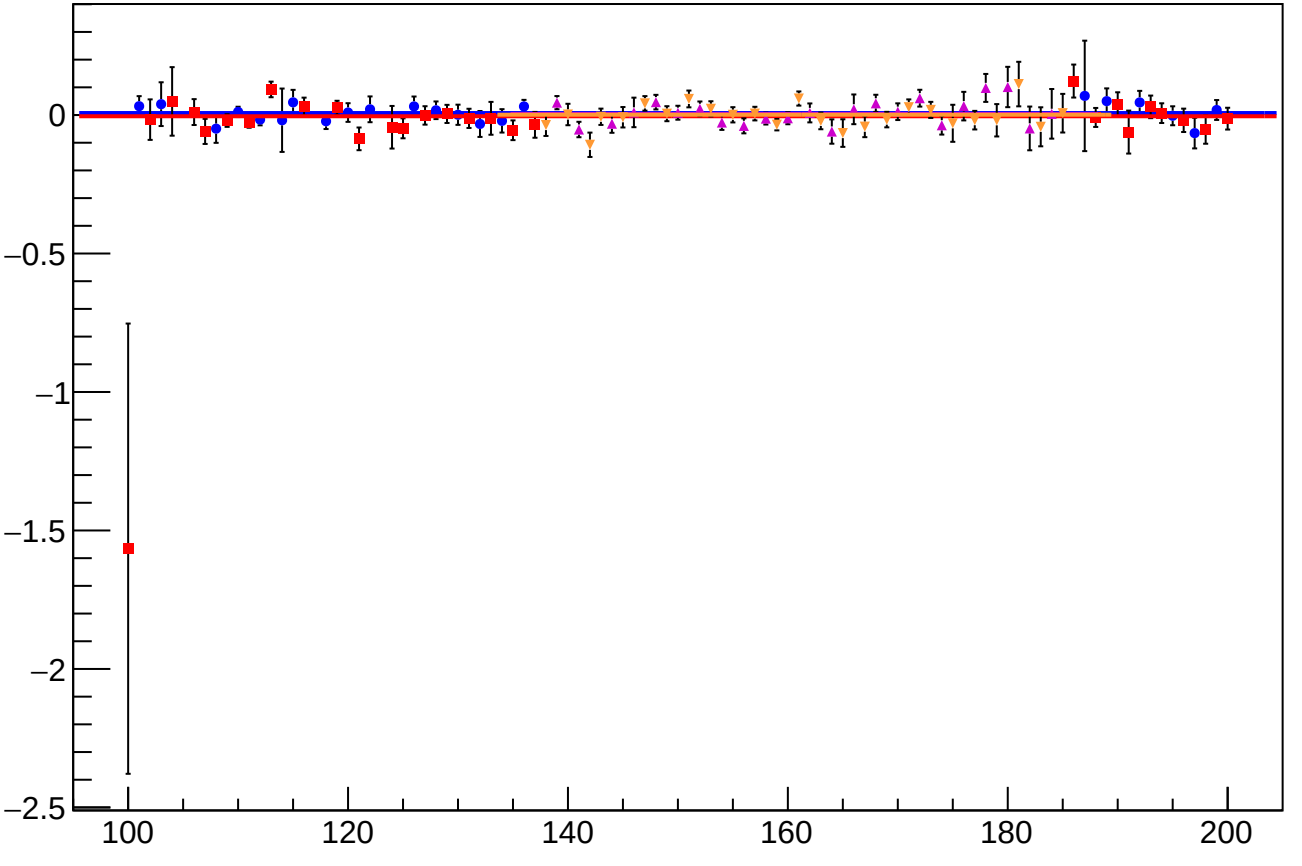
Right: 23.054+/-0.004 χ^2/NDF: 6730917.2/49

In: 24.739+/-0.003 χ^2/NDF:6076797.4/44

Out: 25.258+/-0.003 χ^2/NDF:6211502.7/52

All: 25.007+/-0.002 χ^2/NDF: 12299687.3/97

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

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

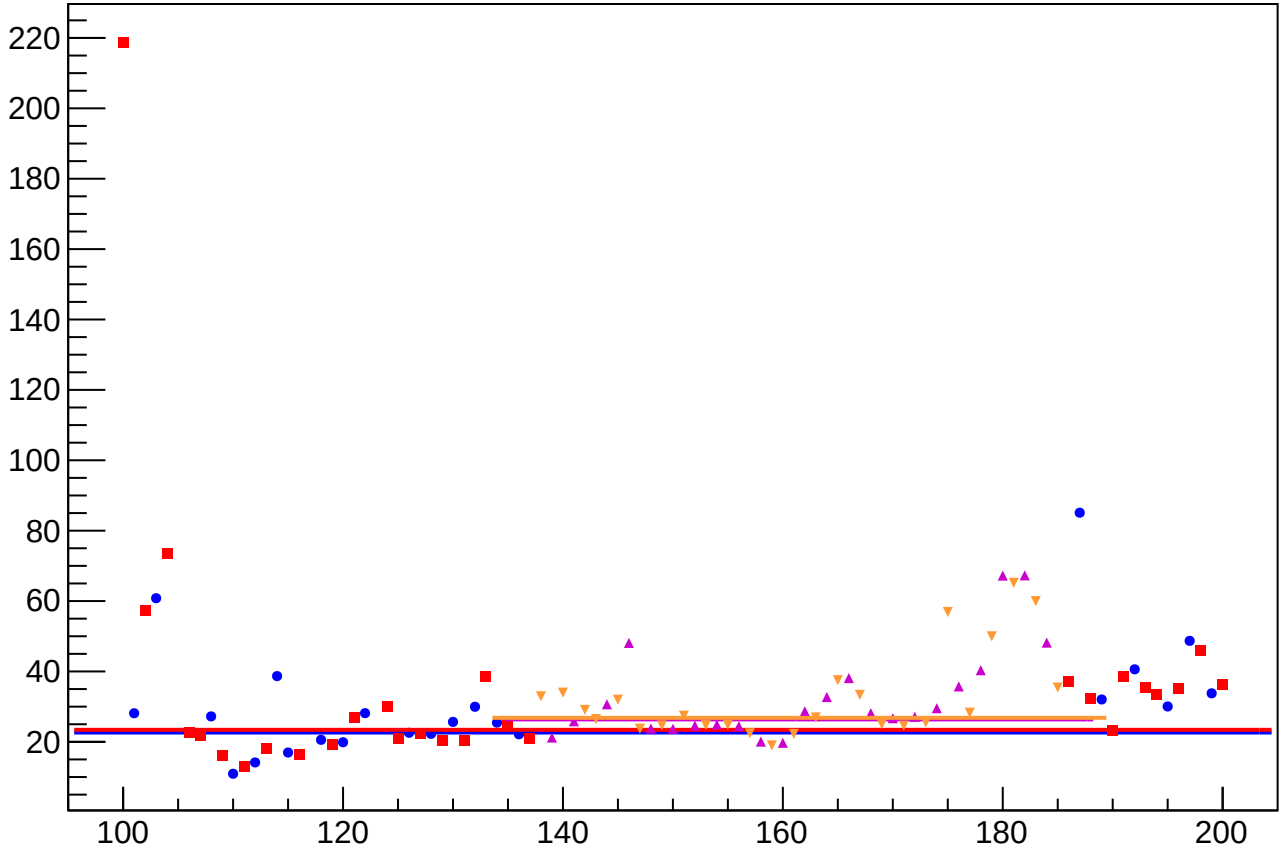
Right: 0.001+/-0.005 χ^2/NDF: 50.8/49

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.5/52

All: 0.002+/-0.003 χ^2/NDF: 112.3/97

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

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

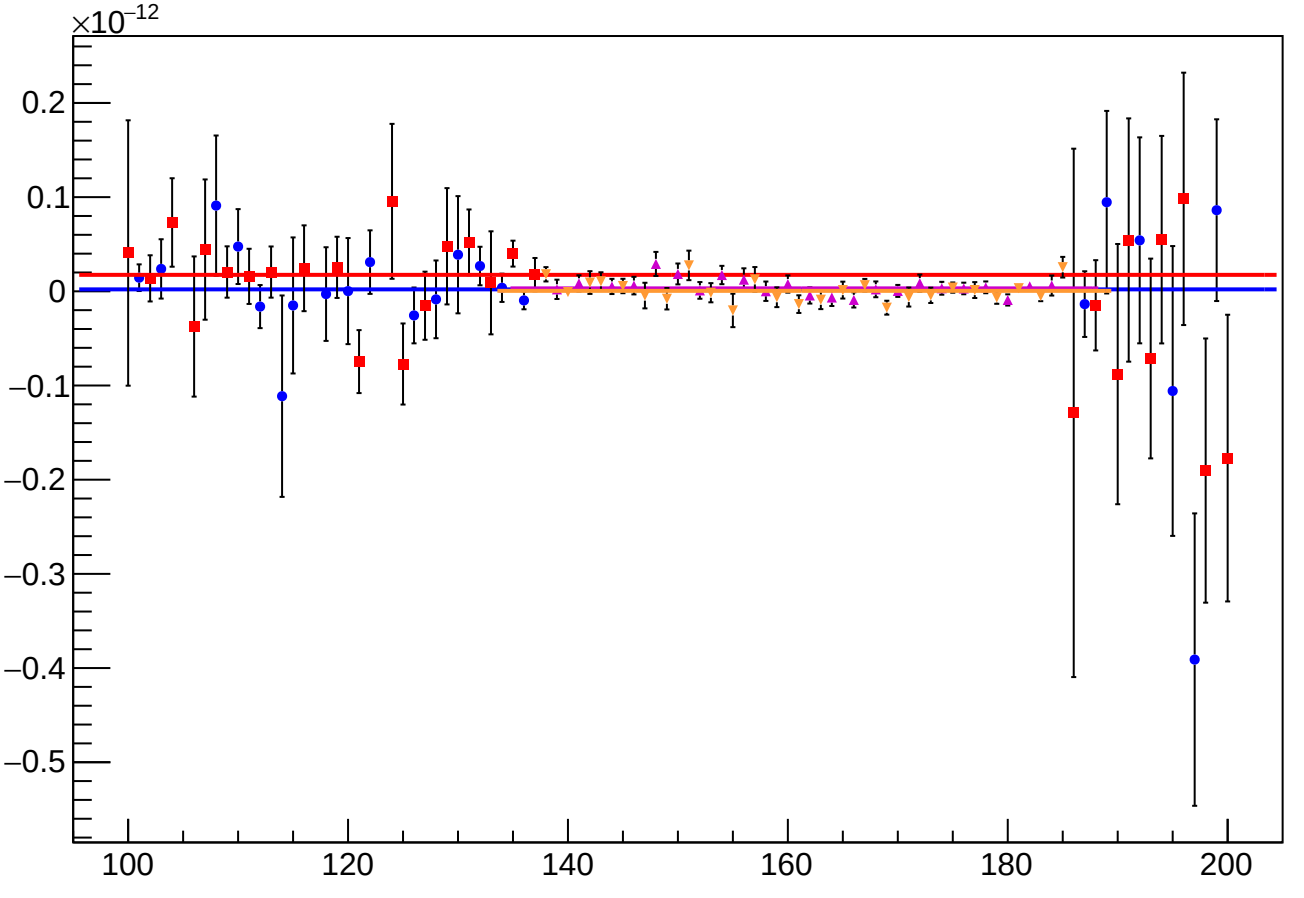
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.054+/-0.004 χ^2/NDF: 6730917.2/49

In: 24.739+/-0.003 χ^2/NDF:6076797.4/44

Out: 25.258+/-0.003 χ^2/NDF:6211502.7/52

All: 25.007+/-0.002 χ^2/NDF: 12299687.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/21

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

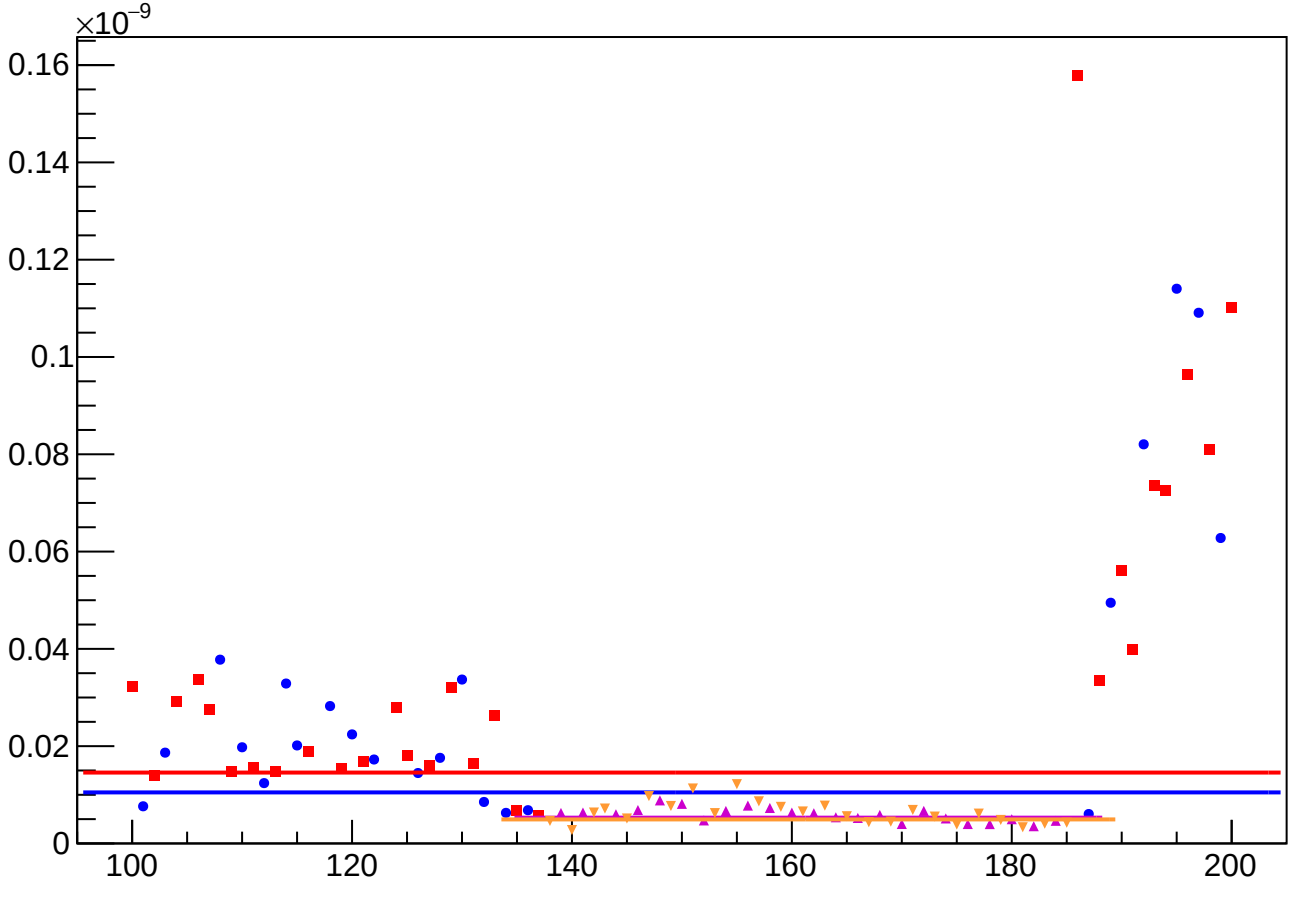
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.6/49

In: 0.000+/-0.000 χ^2/NDF:39.0/44

Out: 0.000+/-0.000 χ^2/NDF:65.1/52

All: 0.000+/-0.000 χ^2/NDF: 104.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 5517183.3/21

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

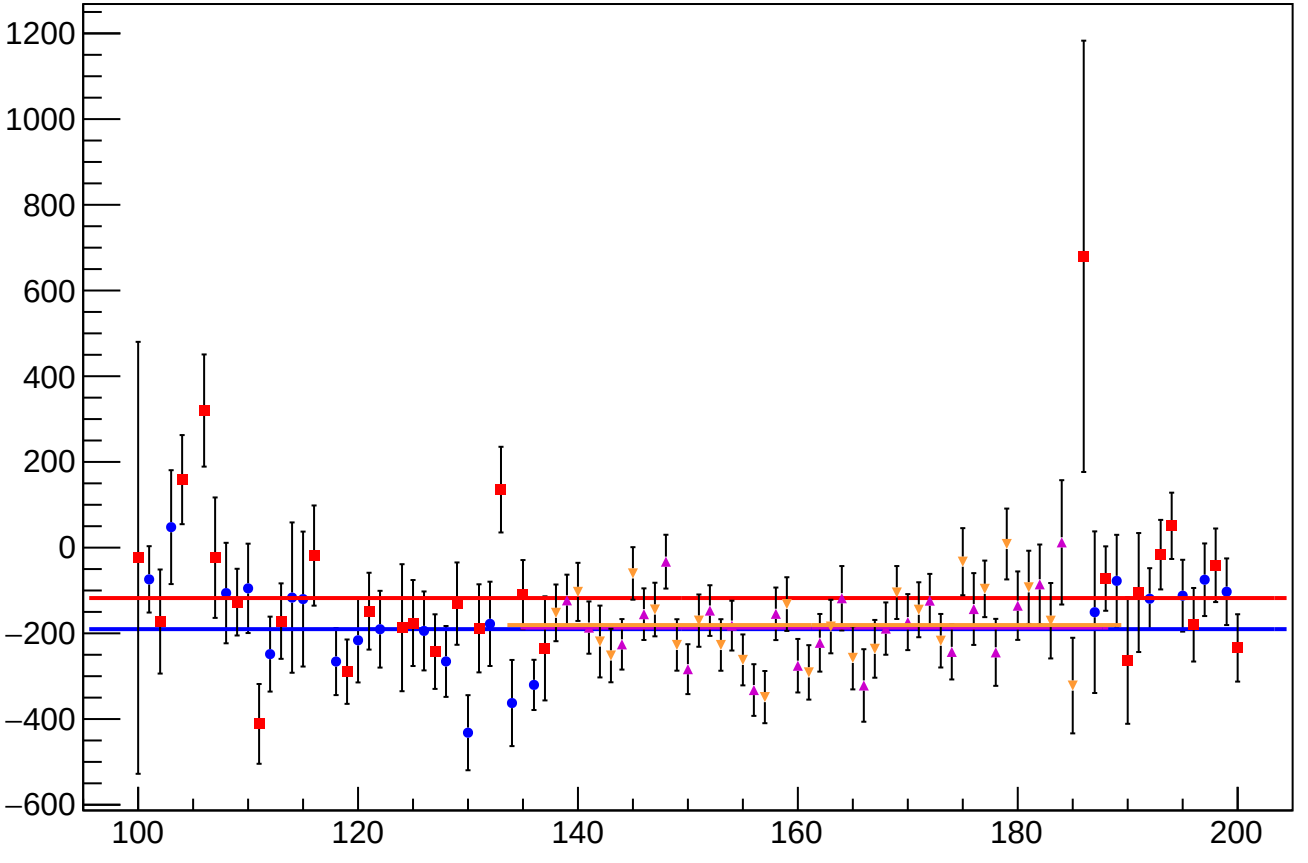
Right: 0.000+/-0.000 χ^2/NDF: 12114681.6/49

In: 0.000+/-0.000 χ^2/NDF:8340446.1/44

Out: 0.000+/-0.000 χ^2/NDF:12622342.0/52

All: 0.000+/-0.000 χ^2/NDF: 21002962.9/97

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -190.194+/-19.501 χ^2/NDF: 31.1/21

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

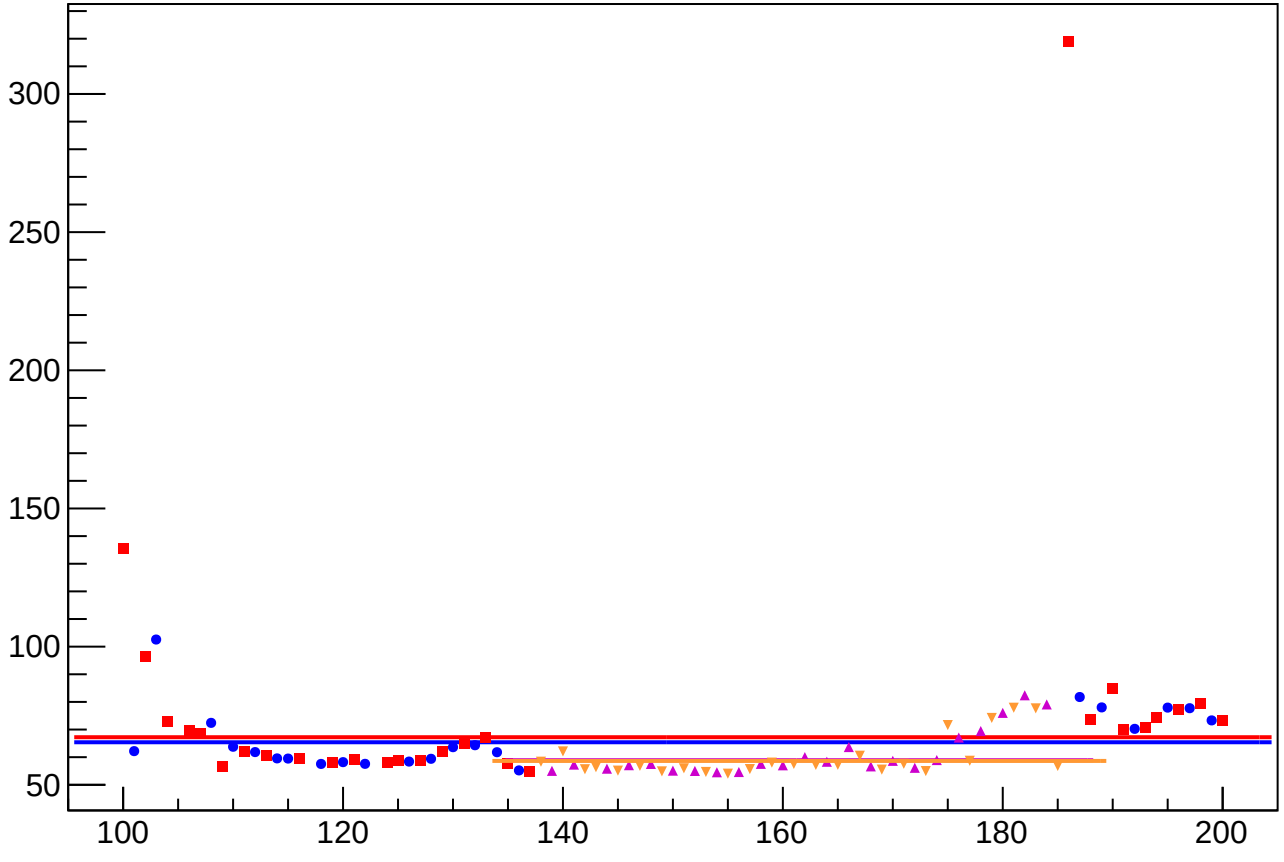
Right: -152.213+/-13.460 χ^2/NDF: 97.8/49

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -159.112+/-10.882 χ^2/NDF:105.6/52

All: -172.912+/-7.838 χ^2/NDF: 169.1/97

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.398+/-0.014 χ^2/NDF: 467693.2/21

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

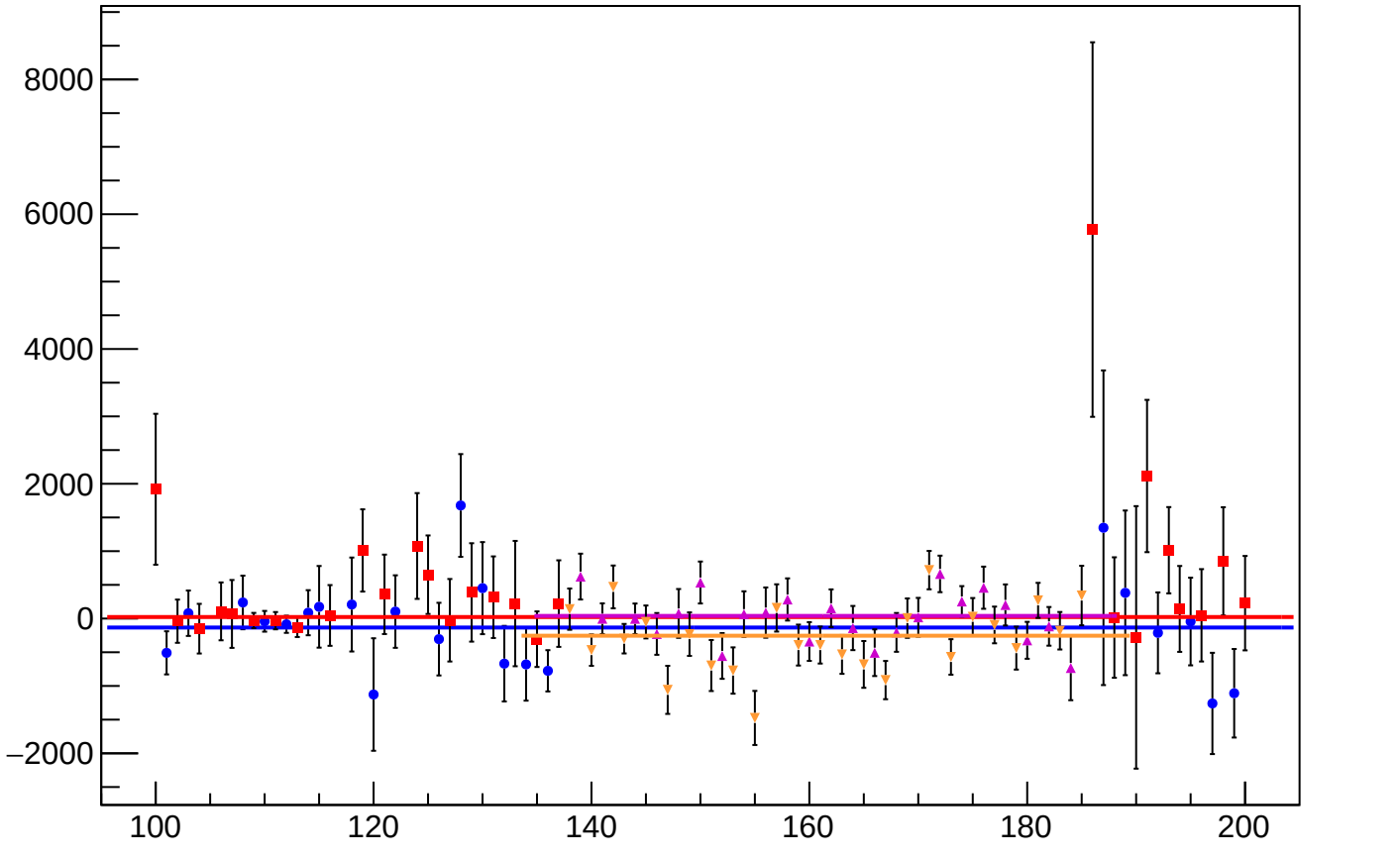
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.354+/-0.010 χ^2/NDF: 1486468.1/49

In: 61.085+/-0.008 χ^2/NDF:1001770.2/44

Out: 61.580+/-0.008 χ^2/NDF:1683302.0/52

All: 61.342+/-0.006 χ^2/NDF: 2687067.8/97



Right In: -133.075+/-74.074 χ^2/NDF: 23.6/21

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

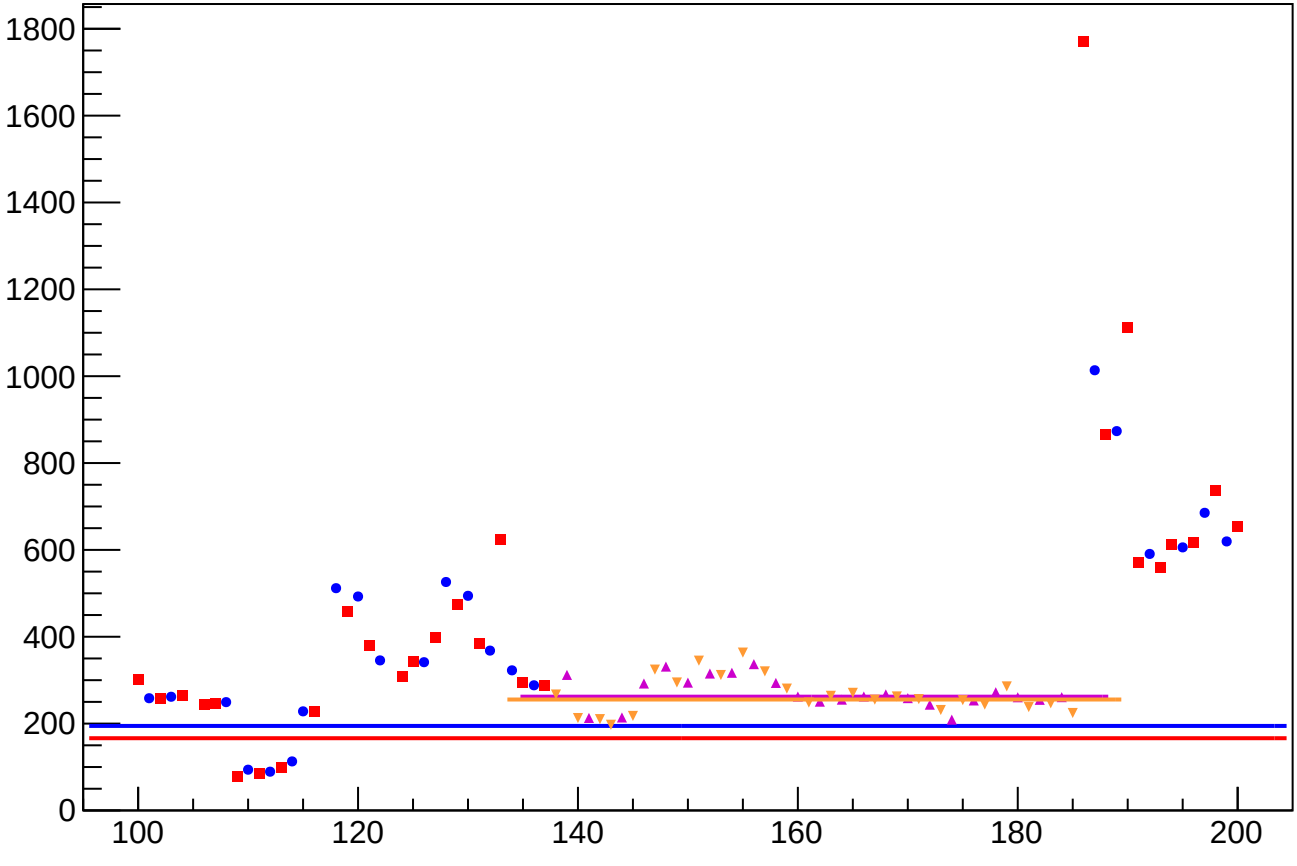
Right: -41.799+/-47.676 χ^2/NDF: 49.3/49

In: -31.644+/-47.491 χ^2/NDF:55.1/44

Out: -123.753+/-42.789 χ^2/NDF:91.3/52

All: -82.483+/-31.789 χ^2/NDF: 148.5/97

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 194.646+/-0.052 χ^2/NDF: 9006658.1/21

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

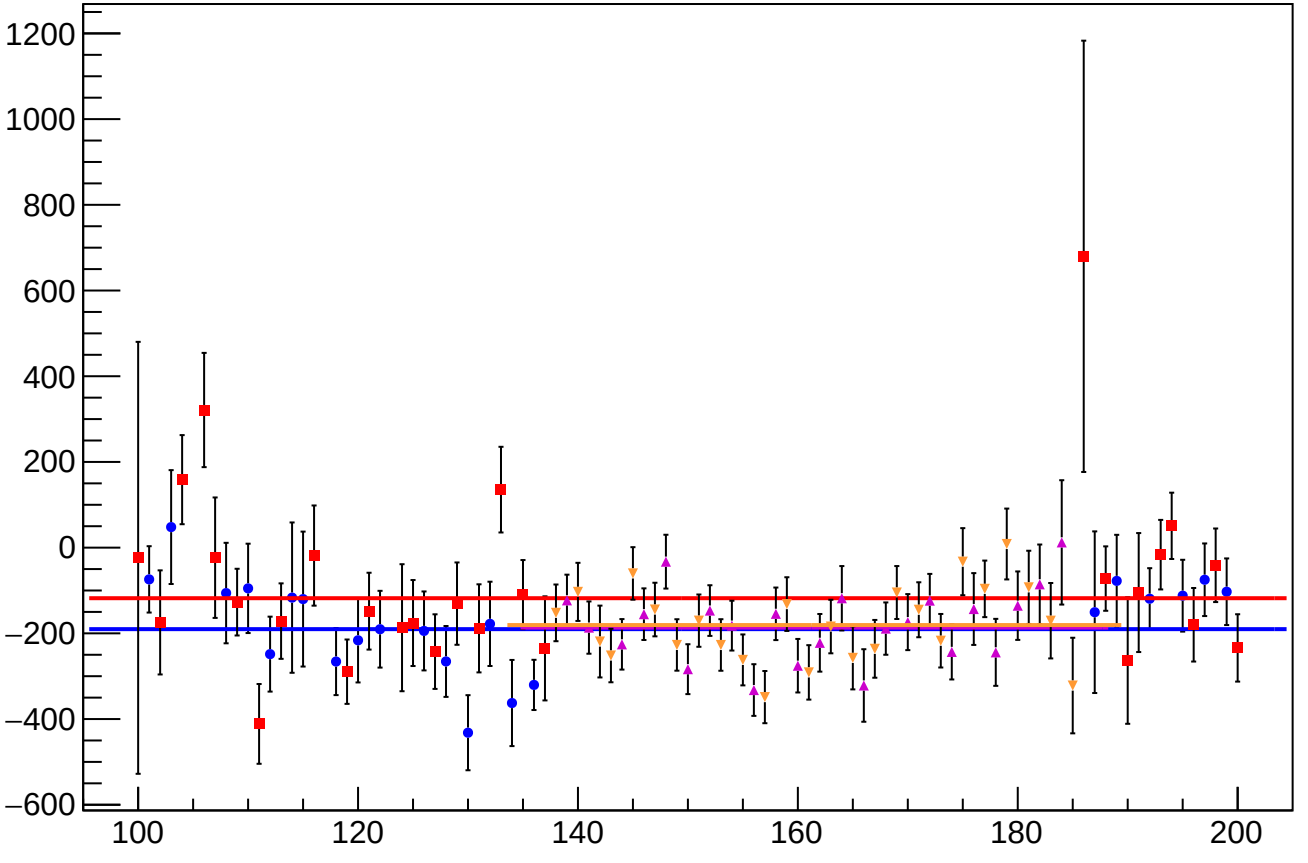
Right: 178.076+/-0.034 χ^2/NDF: 21885398.3/49

In: 234.319+/-0.034 χ^2/NDF:10651314.0/44

Out: 213.424+/-0.030 χ^2/NDF:15733448.9/52

All: 222.786+/-0.022 χ^2/NDF: 26598444.5/97

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

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

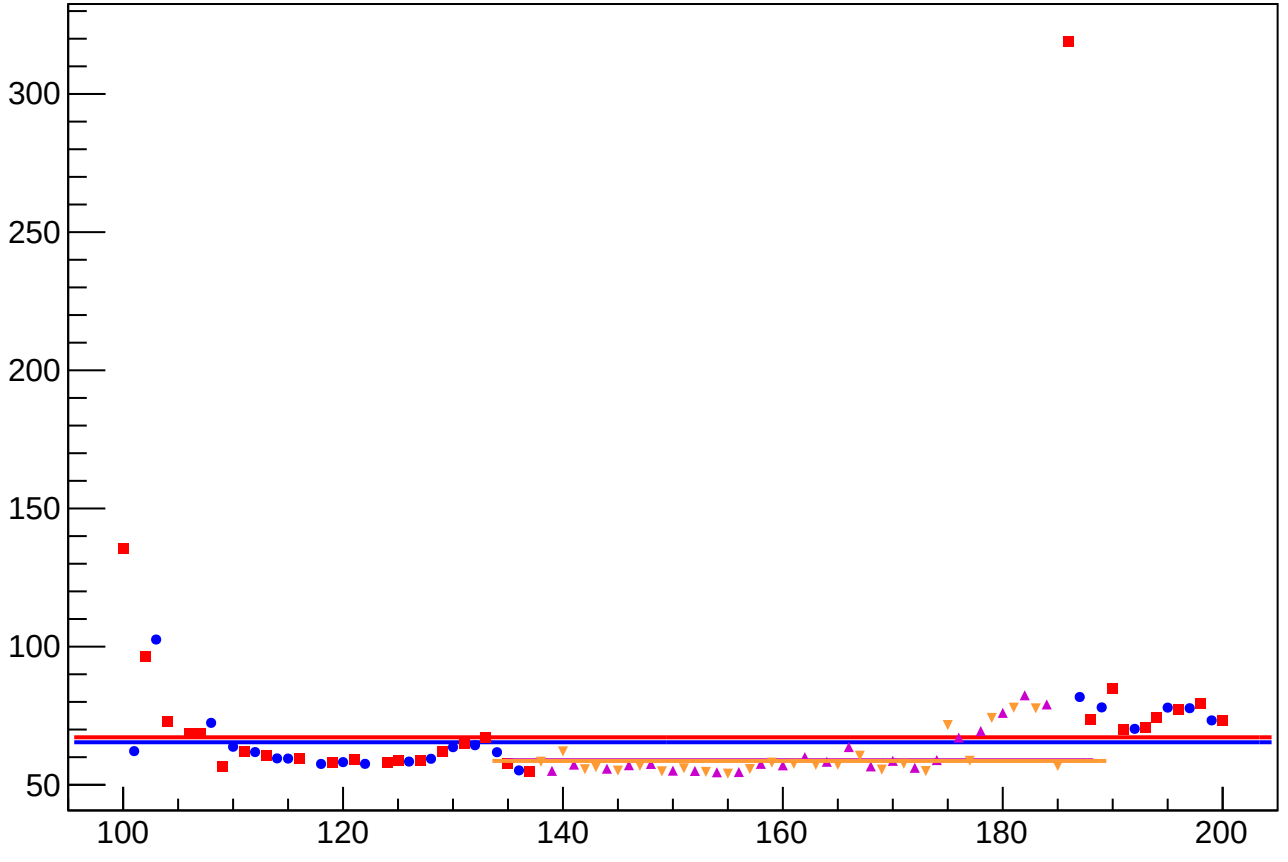
Right: -152.404+/-13.462 χ^2/NDF: 97.4/49

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -159.236+/-10.884 χ^2/NDF:105.2/52

All: -172.978+/-7.838 χ^2/NDF: 168.6/97

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

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

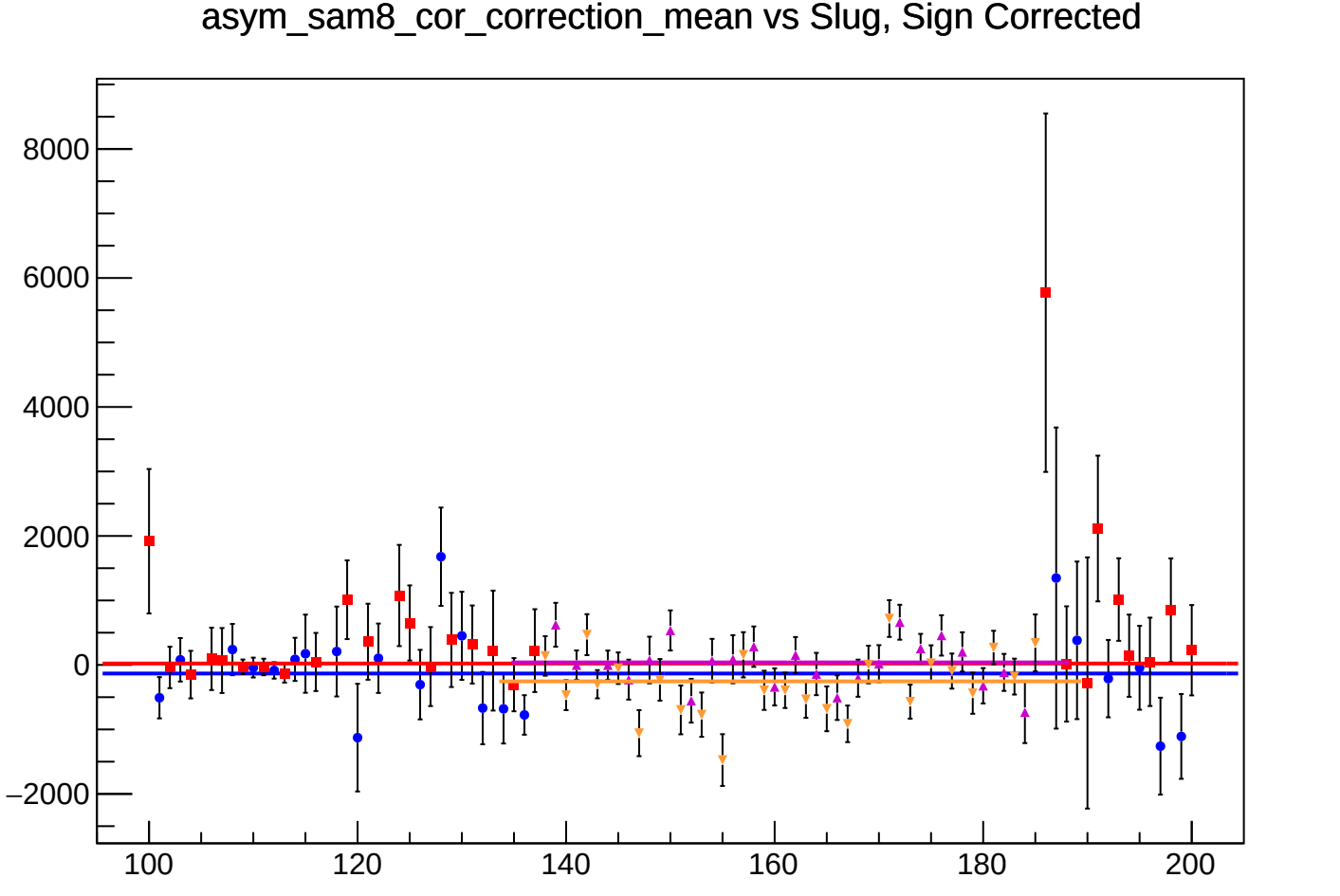
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.341+/-0.010 χ^2/NDF: 1485912.0/49

In: 61.085+/-0.008 χ^2/NDF:1001772.8/44

Out: 61.571+/-0.008 χ^2/NDF:1681277.8/52

All: 61.337+/-0.006 χ^2/NDF: 2684968.5/97


asym_sam8_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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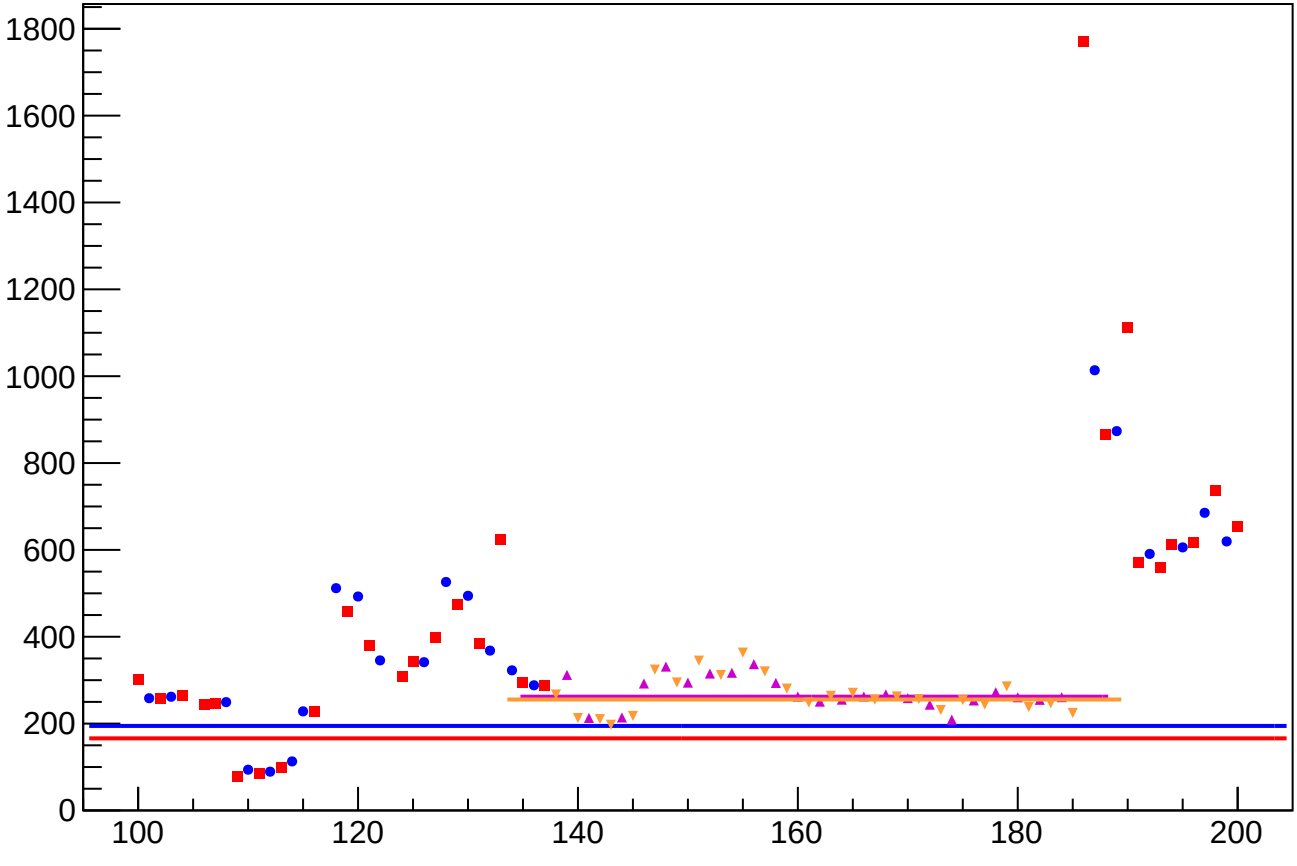
160
180
200
Right In: -133.057+/-74.075 χ²/NDF: 23.6/21
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 22.190+/-62.434 χ²/NDF: 23.1/27
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -42.290+/-47.739 χ²/NDF: 49.3/49
In: -31.638+/-47.491 χ²/NDF:55.1/44
Out: -124.328+/-42.834 χ²/NDF:91.2/52
All: -82.749+/-31.808 χ²/NDF: 148.4/97

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

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

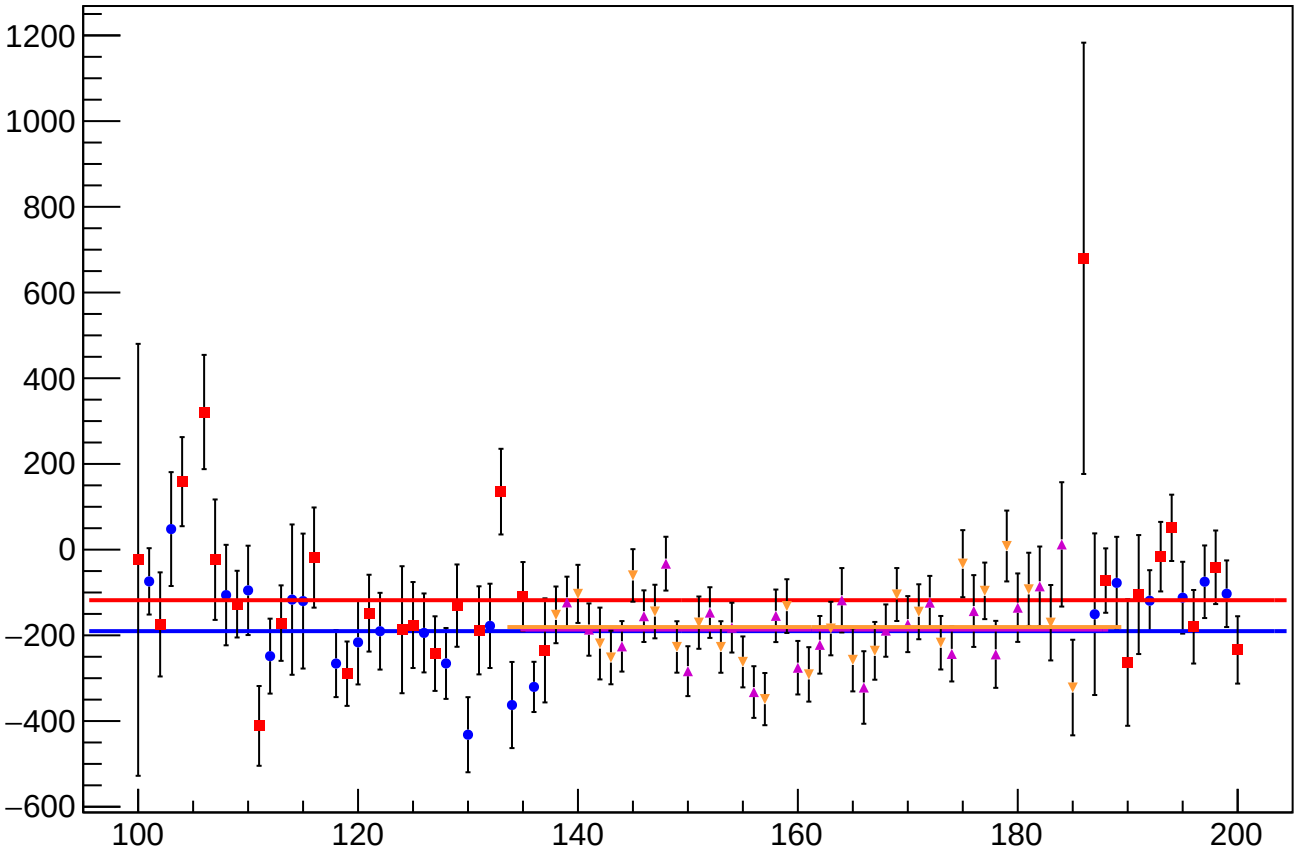
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 177.907+/-0.034 χ^2/NDF: 21876282.6/49

In: 234.319+/-0.034 χ^2/NDF:10651339.0/44

Out: 213.363+/-0.030 χ^2/NDF:15731911.1/52

All: 222.764+/-0.022 χ^2/NDF: 26597988.6/97



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

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

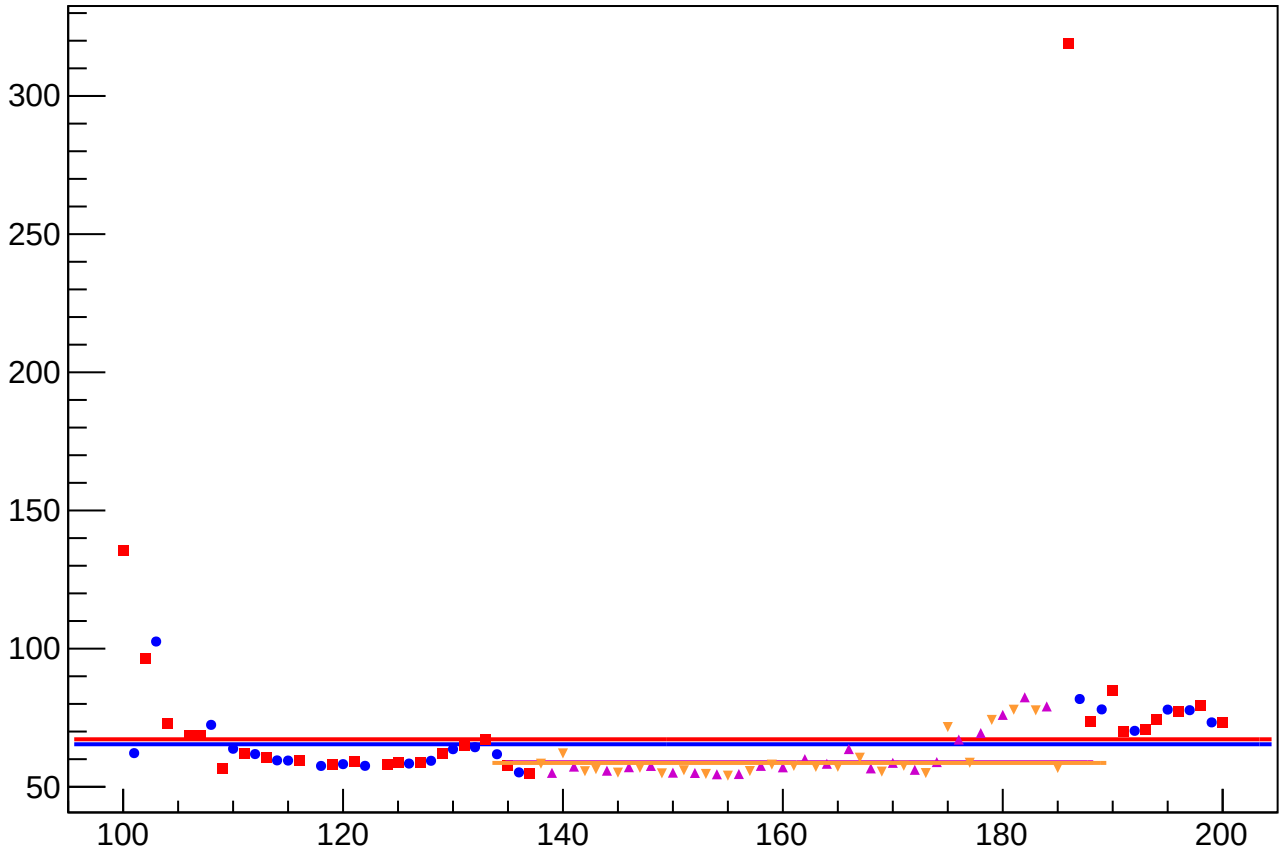
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -152.404+/-13.462 χ^2/NDF: 97.4/49

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -159.236+/-10.884 χ^2/NDF:105.2/52

All: -172.978+/-7.838 χ^2/NDF: 168.6/97



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

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

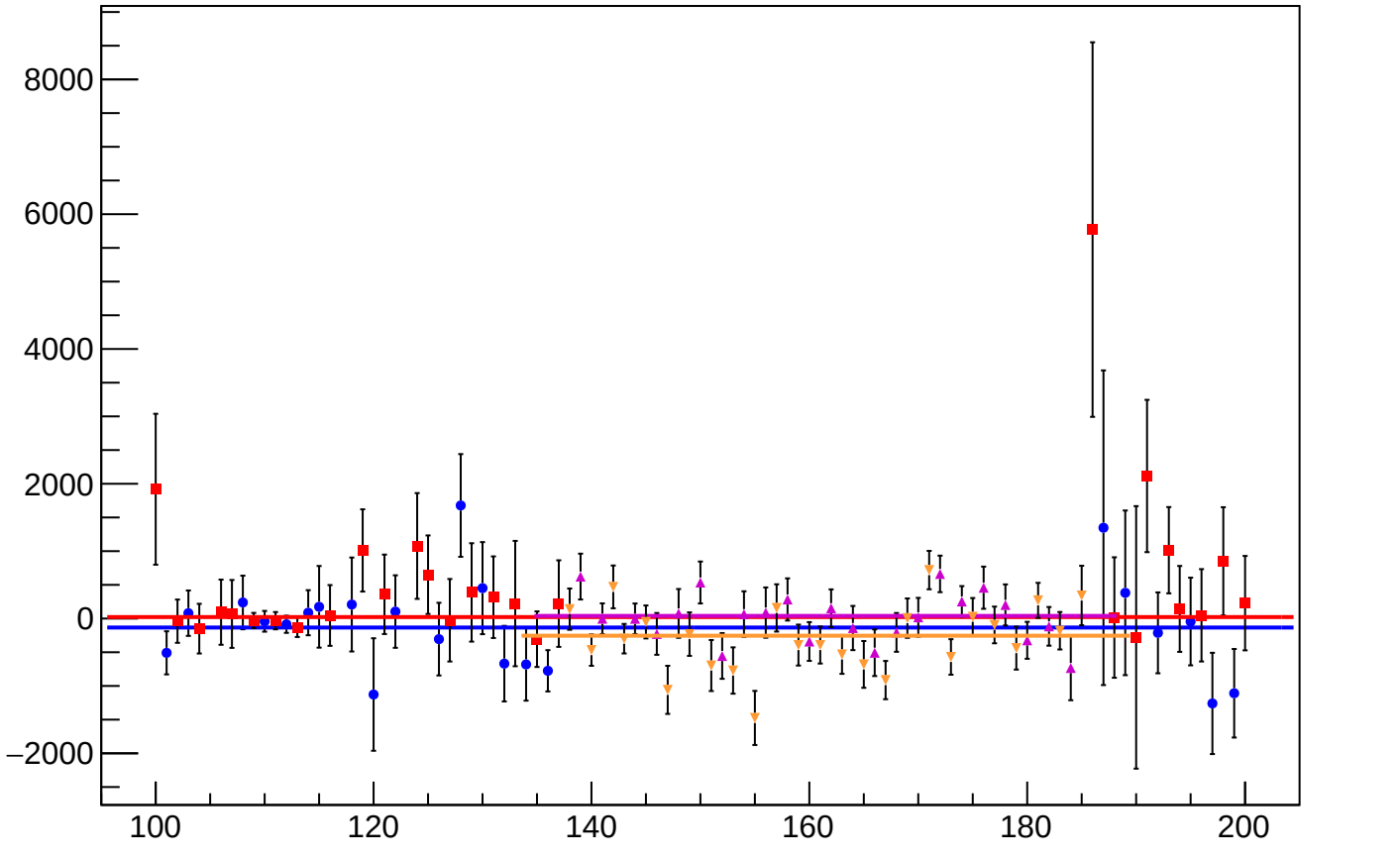
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.341+/-0.010 χ^2/NDF: 1485912.0/49

In: 61.085+/-0.008 χ^2/NDF:1001772.8/44

Out: 61.571+/-0.008 χ^2/NDF:1681277.8/52

All: 61.337+/-0.006 χ^2/NDF: 2684968.5/97



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

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

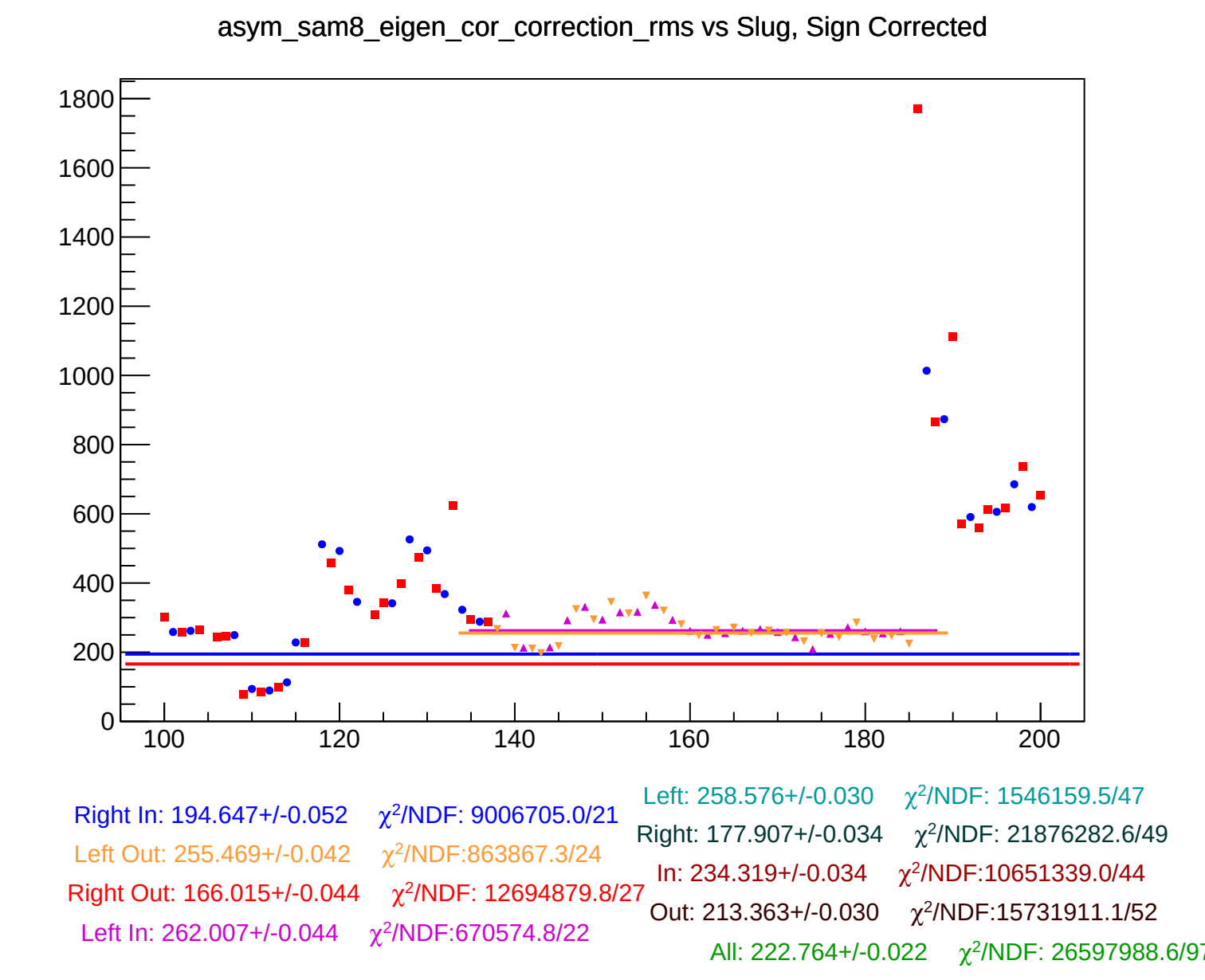
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -42.290+/-47.739 χ^2/NDF: 49.3/49

In: -31.638+/-47.491 χ^2/NDF:55.1/44

Out: -124.328+/-42.834 χ^2/NDF:91.2/52

All: -82.749+/-31.808 χ^2/NDF: 148.4/97


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
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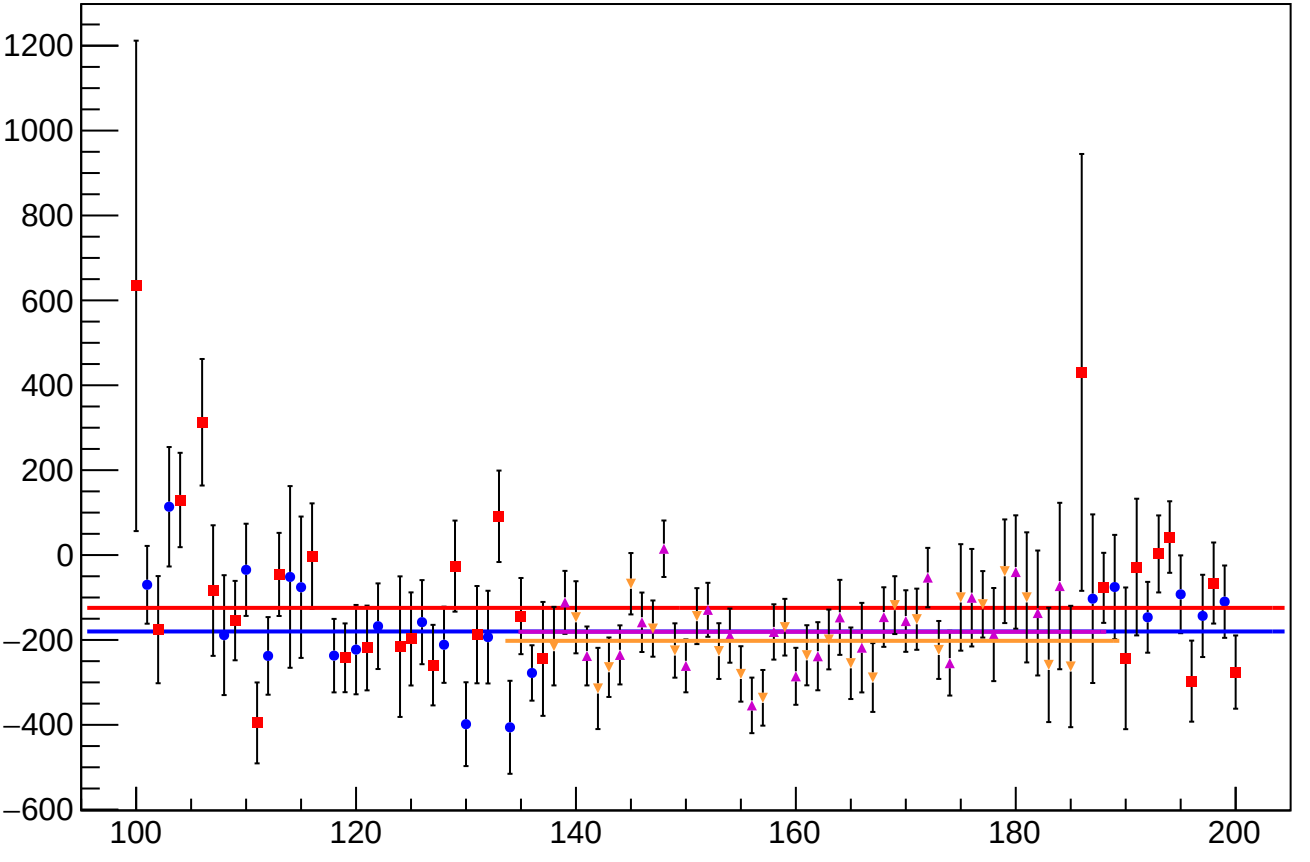
140
160
180
200
Right In: 194.647+/-0.052 χ²/NDF: 9006705.0/21
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 166.015+/-0.044 χ²/NDF: 12694879.8/27
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 177.907+/-0.034 χ²/NDF: 21876282.6/49
In: 234.319+/-0.034 χ²/NDF:10651339.0/44
Out: 213.363+/-0.030 χ²/NDF:15731911.1/52
All: 222.764+/-0.022 χ²/NDF: 26597988.6/97

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

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

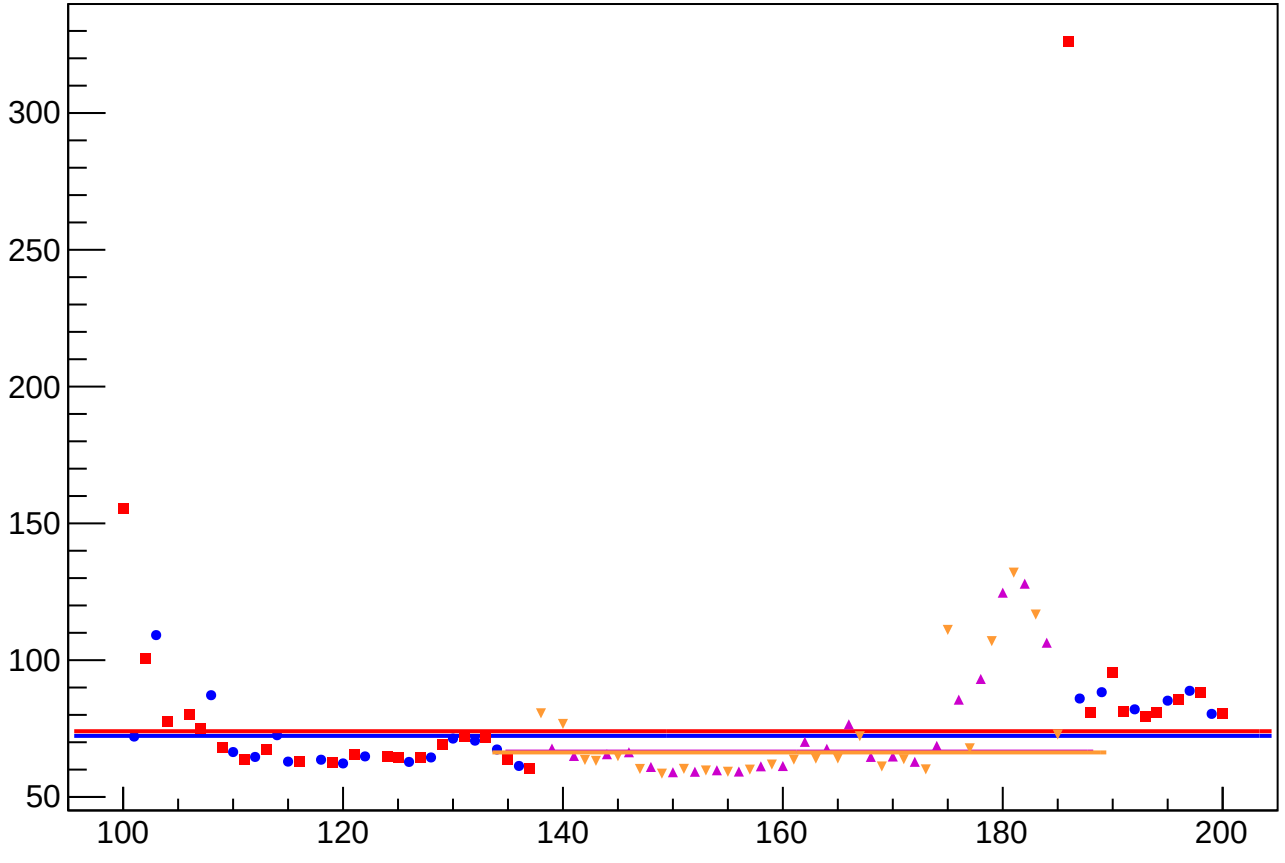
Right: -150.719+/-14.883 χ^2/NDF: 79.5/49

In: -180.515+/-12.877 χ^2/NDF:53.8/44

Out: -173.754+/-12.382 χ^2/NDF:82.9/52

All: -177.002+/-8.925 χ^2/NDF: 136.9/97

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.331+/-0.015 χ^2/NDF: 516241.1/21

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

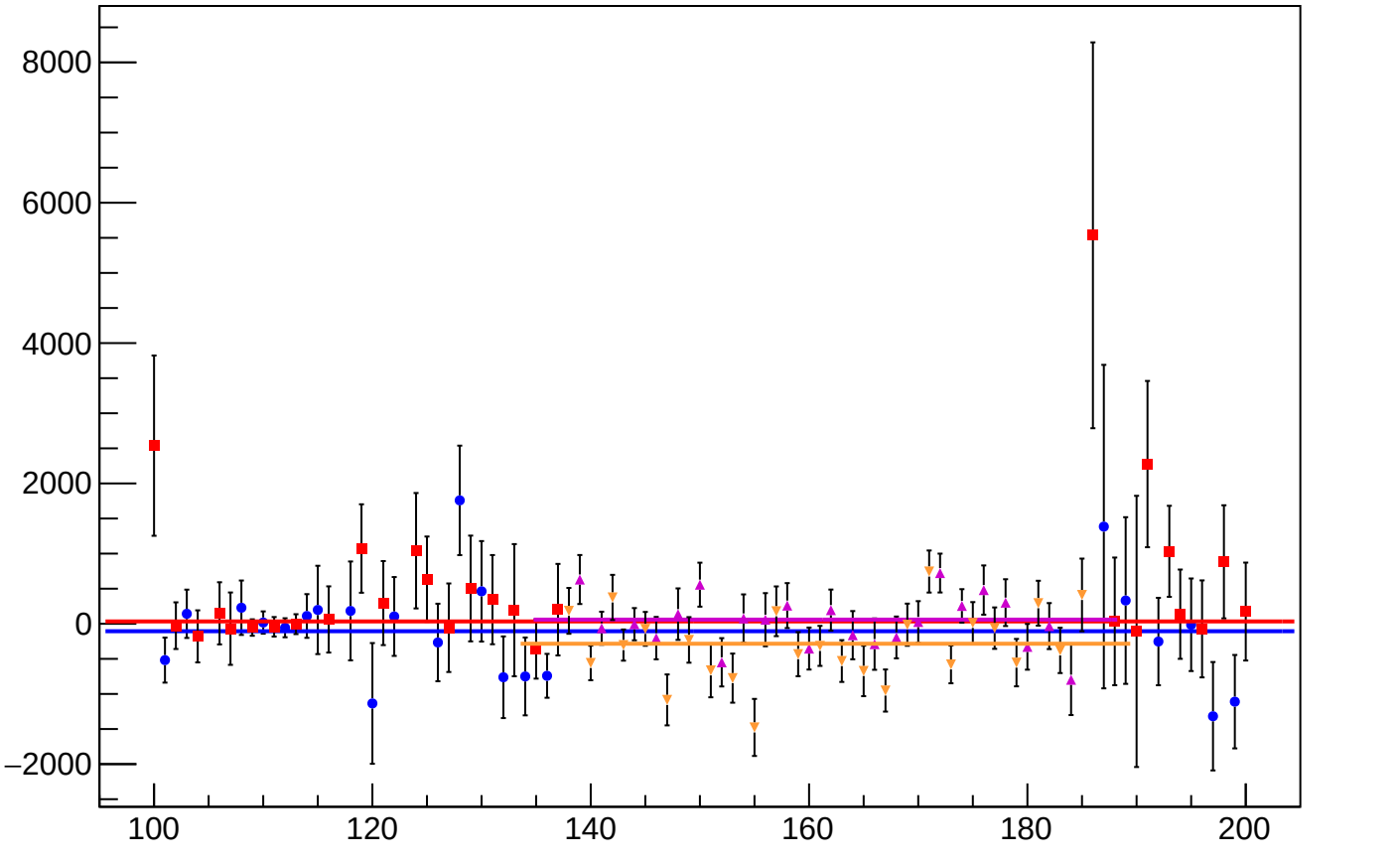
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.227+/-0.011 χ^2/NDF: 1497092.4/49

In: 68.618+/-0.009 χ^2/NDF:1765505.5/44

Out: 69.108+/-0.009 χ^2/NDF:2549926.9/52

All: 68.873+/-0.006 χ^2/NDF: 4316939.7/97



Right In: -106.195+/-76.414 χ^2/NDF: 24.7/21

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

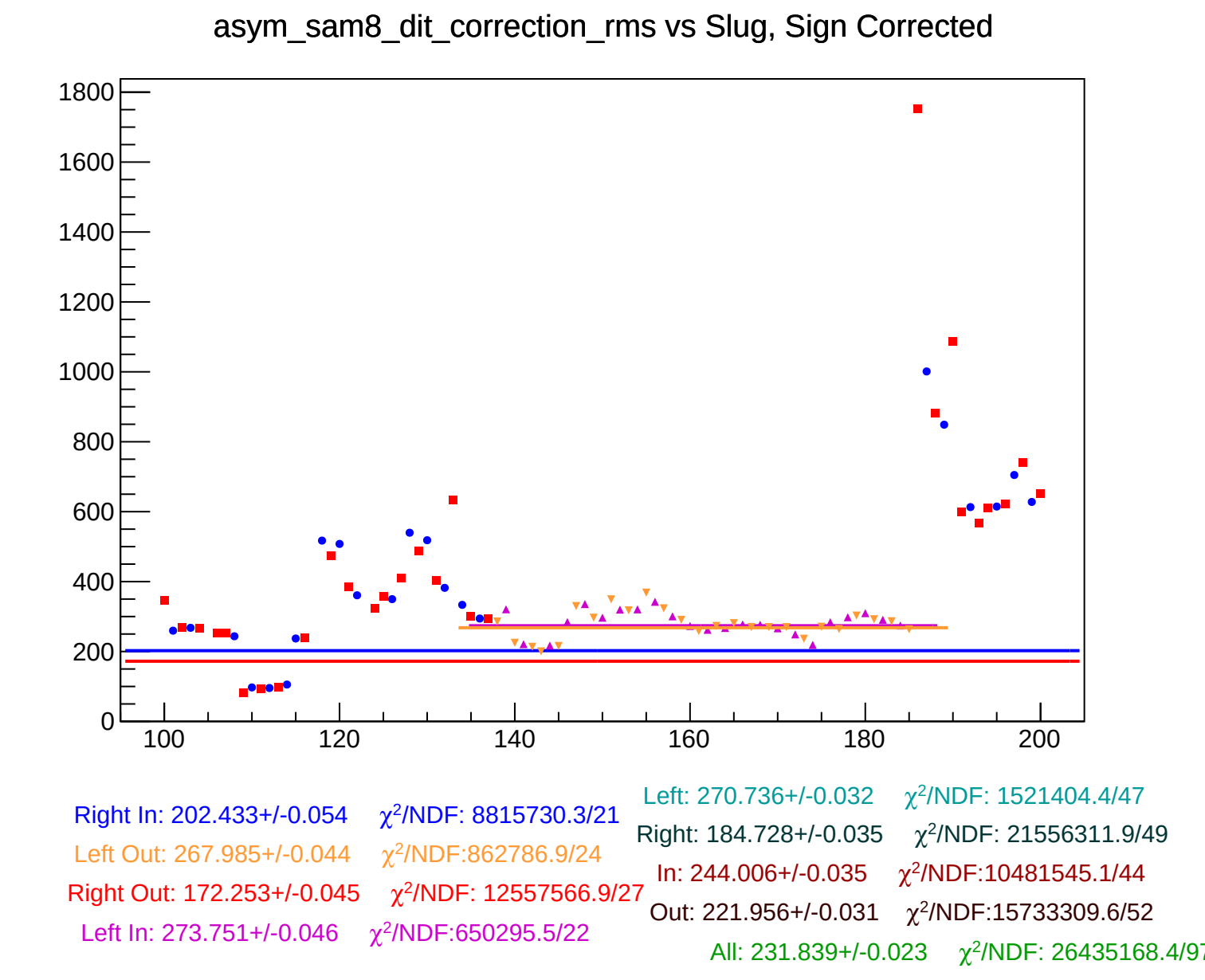
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -24.305+/-49.129 χ^2/NDF: 50.0/49

In: -9.805+/-49.350 χ^2/NDF:54.2/44

Out: -131.626+/-44.477 χ^2/NDF:90.8/52

All: -77.024+/-33.039 χ^2/NDF: 148.3/97


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
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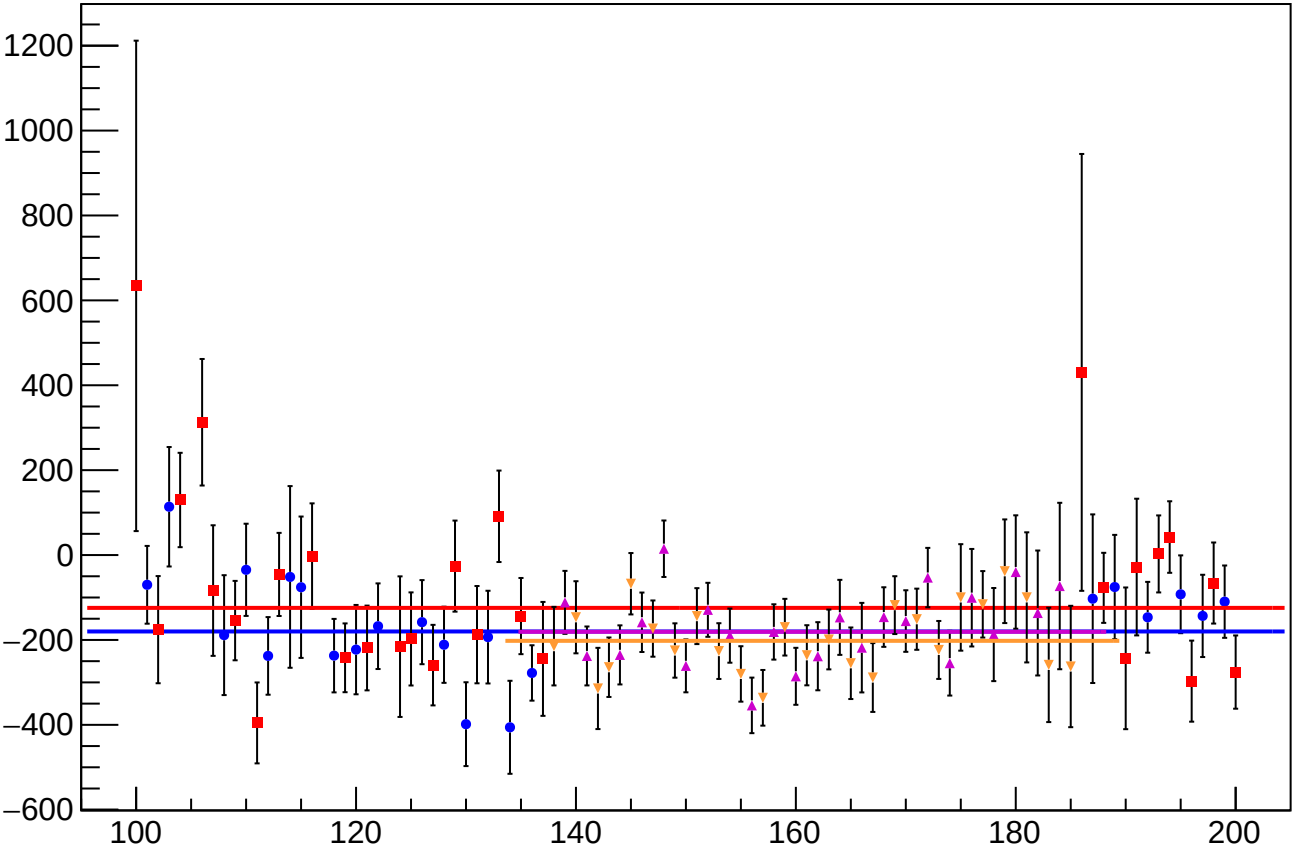
120
140
160
180
200
Right In: 202.433+/-0.054 χ²/NDF: 8815730.3/21
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 172.253+/-0.045 χ²/NDF: 12557566.9/27
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 184.728+/-0.035 χ²/NDF: 21556311.9/49
In: 244.006+/-0.035 χ²/NDF:10481545.1/44
Out: 221.956+/-0.031 χ²/NDF:15733309.6/52
All: 231.839+/-0.023 χ²/NDF: 26435168.4/97

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

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

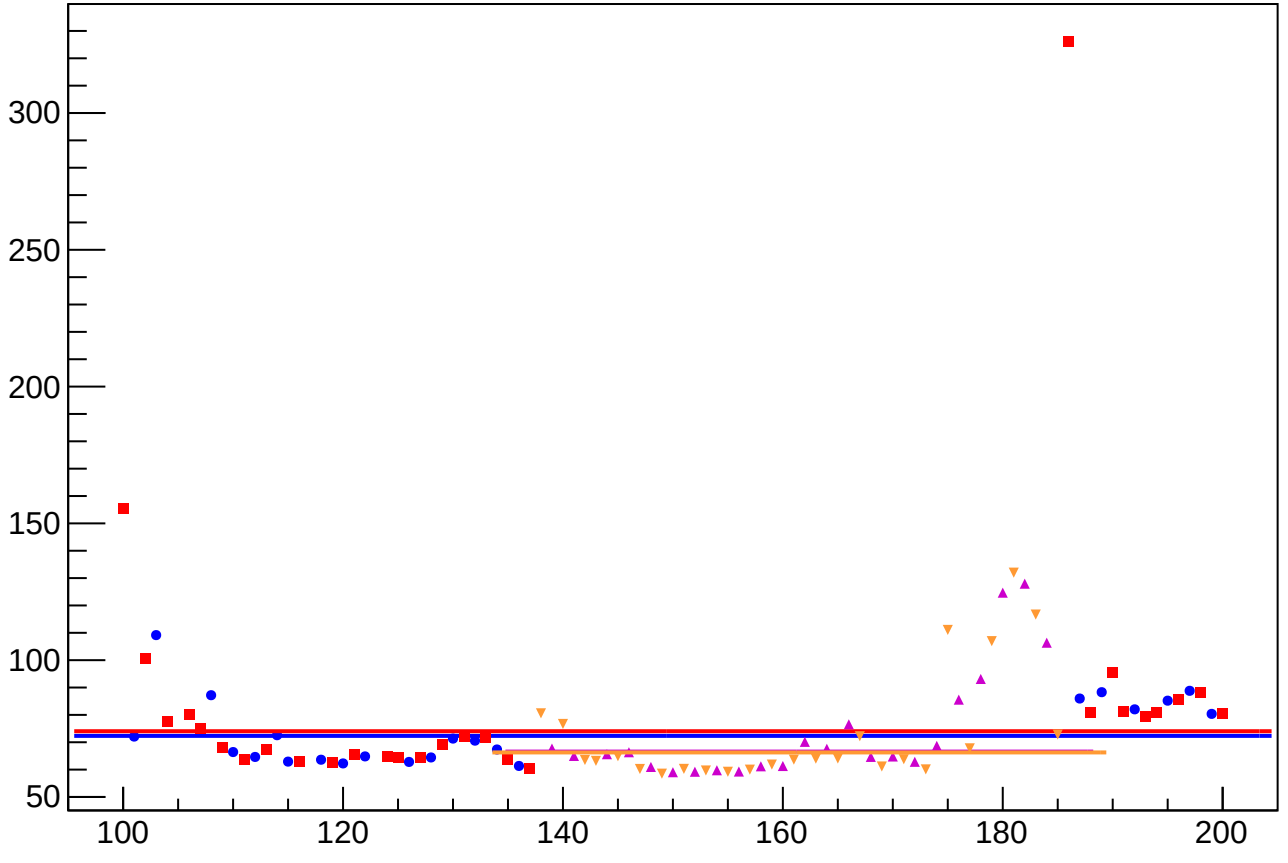
Right: -150.719+/-14.883 χ^2/NDF: 79.5/49

In: -180.516+/-12.877 χ^2/NDF:53.8/44

Out: -173.754+/-12.382 χ^2/NDF:82.9/52

All: -177.002+/-8.925 χ^2/NDF: 136.9/97

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.331+/-0.015 χ^2/NDF: 516243.9/21

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

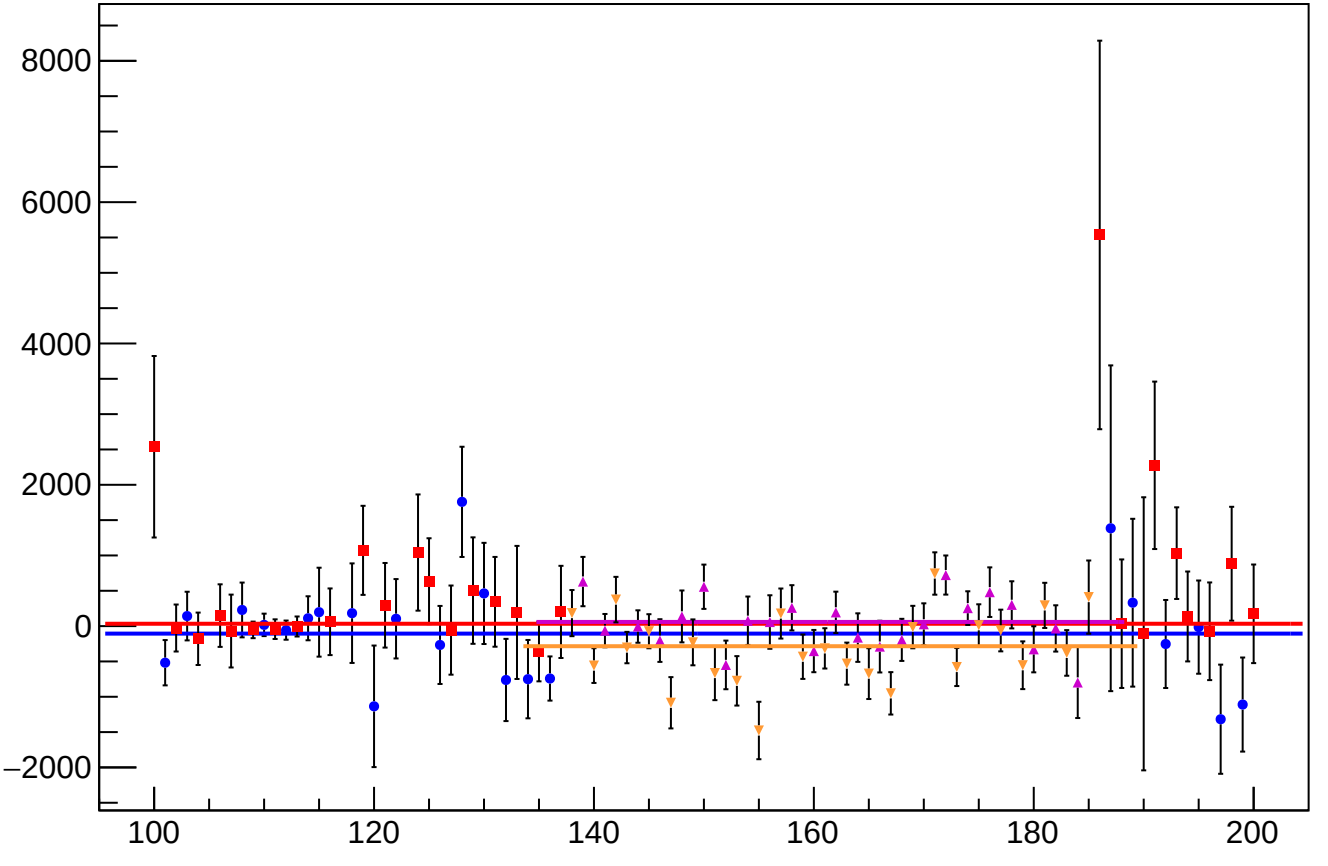
Right: 73.227+/-0.011 χ^2/NDF: 1497100.1/49

In: 68.618+/-0.009 χ^2/NDF:1765495.7/44

Out: 69.108+/-0.009 χ^2/NDF:2549924.4/52

All: 68.873+/-0.006 χ^2/NDF: 4316927.2/97

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -106.193+/-76.414 χ^2/NDF: 24.7/21

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

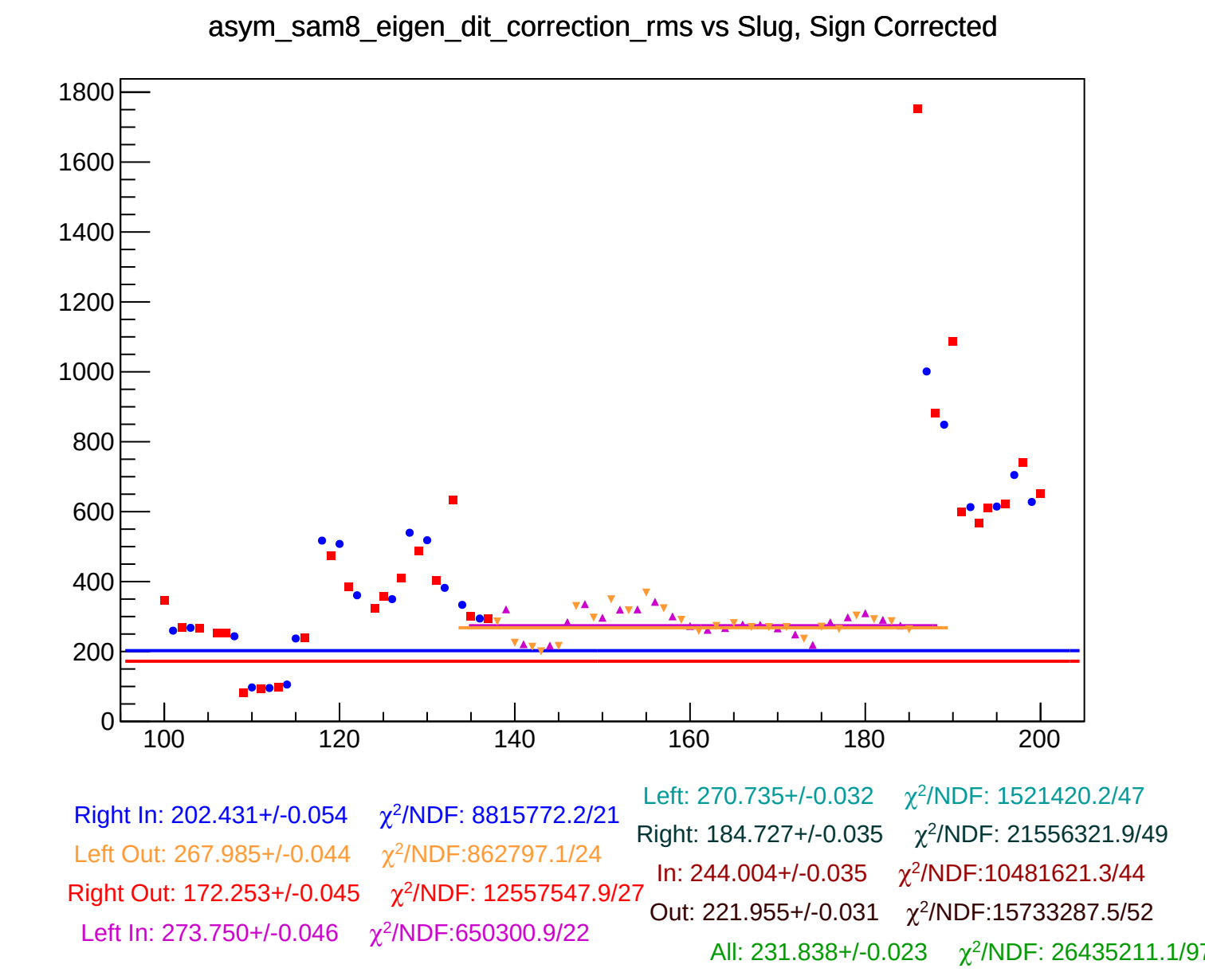
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -24.306+/-49.129 χ^2/NDF: 50.0/49

In: -9.805+/-49.349 χ^2/NDF:54.2/44

Out: -131.626+/-44.477 χ^2/NDF:90.8/52

All: -77.024+/-33.039 χ^2/NDF: 148.3/97


asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
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600
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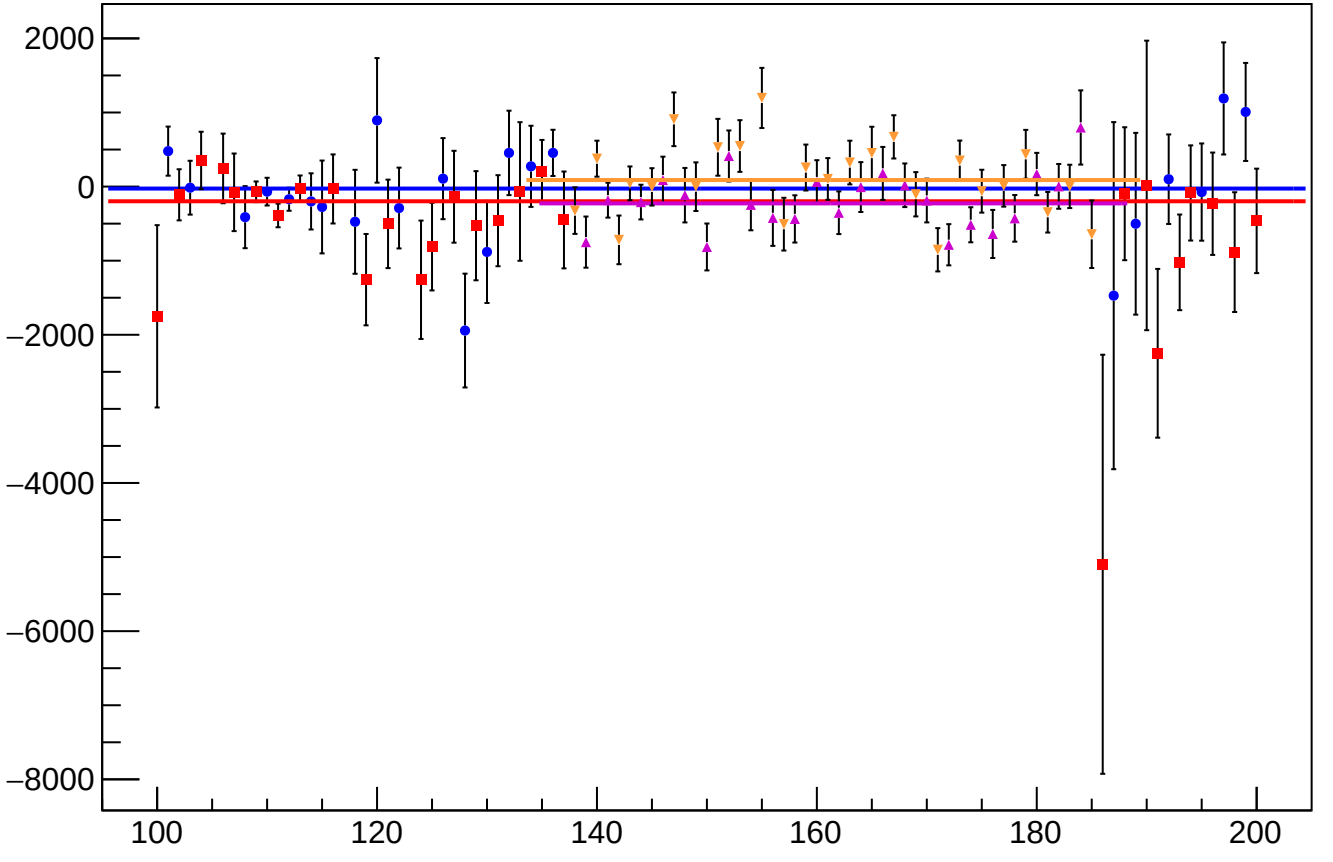
140
160
180
200
Right In: 202.431+/-0.054 χ²/NDF: 8815772.2/21
Left Out: 267.985+/-0.044 χ²/NDF:862797.1/24
Right Out: 172.253+/-0.045 χ²/NDF: 12557547.9/27
Left In: 273.750+/-0.046 χ²/NDF:650300.9/22
Left: 270.735+/-0.032 χ²/NDF: 1521420.2/47
Right: 184.727+/-0.035 χ²/NDF: 21556321.9/49
In: 244.004+/-0.035 χ²/NDF:10481621.3/44
Out: 221.955+/-0.031 χ²/NDF:15733287.5/52
All: 231.838+/-0.023 χ²/NDF: 26435211.1/97

asym_sam8_mean vs Slug, Sign Corrected



Right In: -26.673+/-83.802 χ^2/NDF: 23.1/21

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

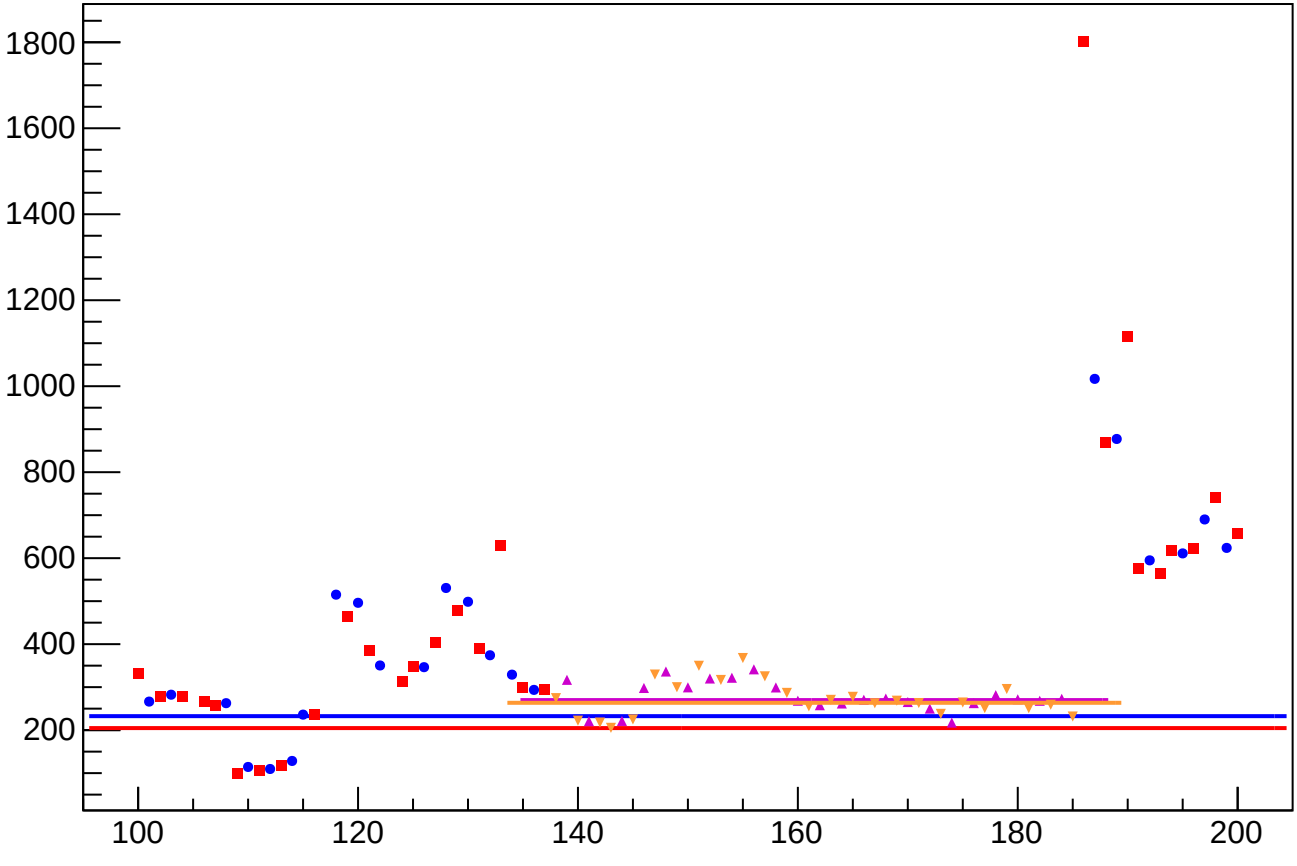
Right: -125.291+/-54.639 χ^2/NDF: 50.0/49

In: -153.590+/-50.701 χ^2/NDF:55.6/44

Out: -30.479+/-46.410 χ^2/NDF:85.9/52

All: -86.605+/-34.233 χ^2/NDF: 144.7/97

asym_sam8_rms vs Slug, Sign Corrected



Right In: 232.537+/-0.059 χ^2/NDF: 7424405.9/21

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

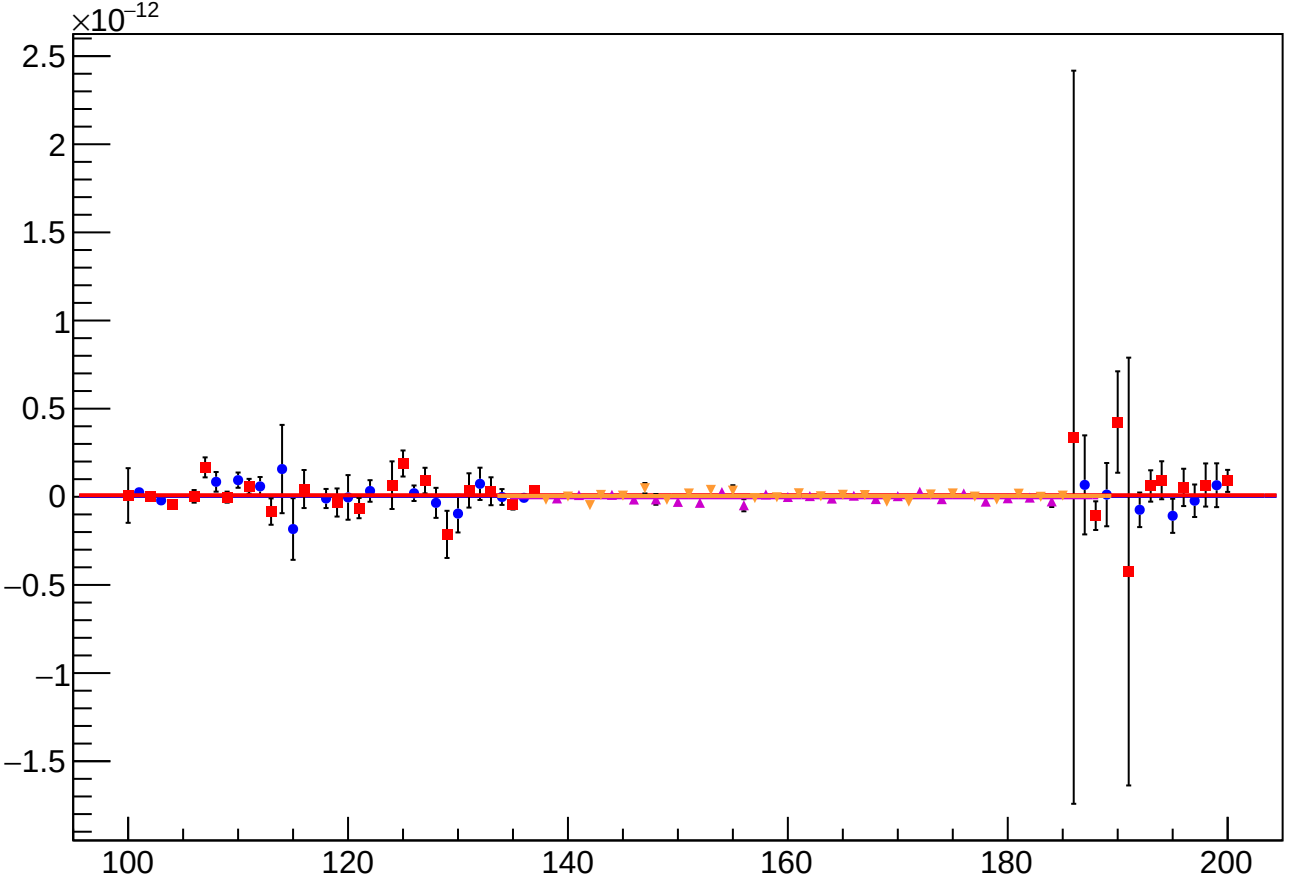
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 216.576+/-0.039 χ^2/NDF: 18418192.2/49

In: 256.223+/-0.036 χ^2/NDF:8278655.8/44

Out: 239.197+/-0.033 χ^2/NDF:12427218.2/52

All: 246.959+/-0.024 χ^2/NDF: 20828585.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/21

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

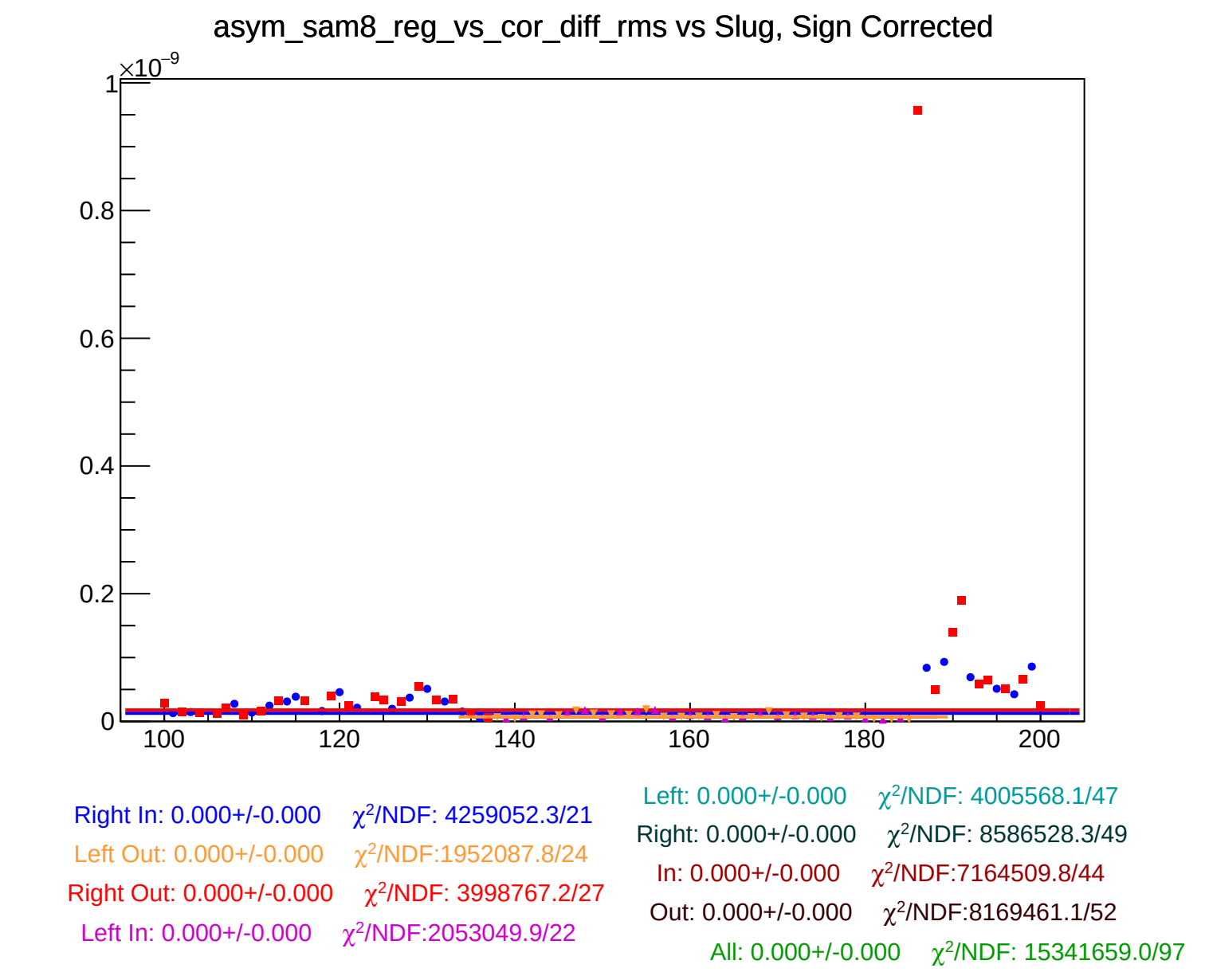
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

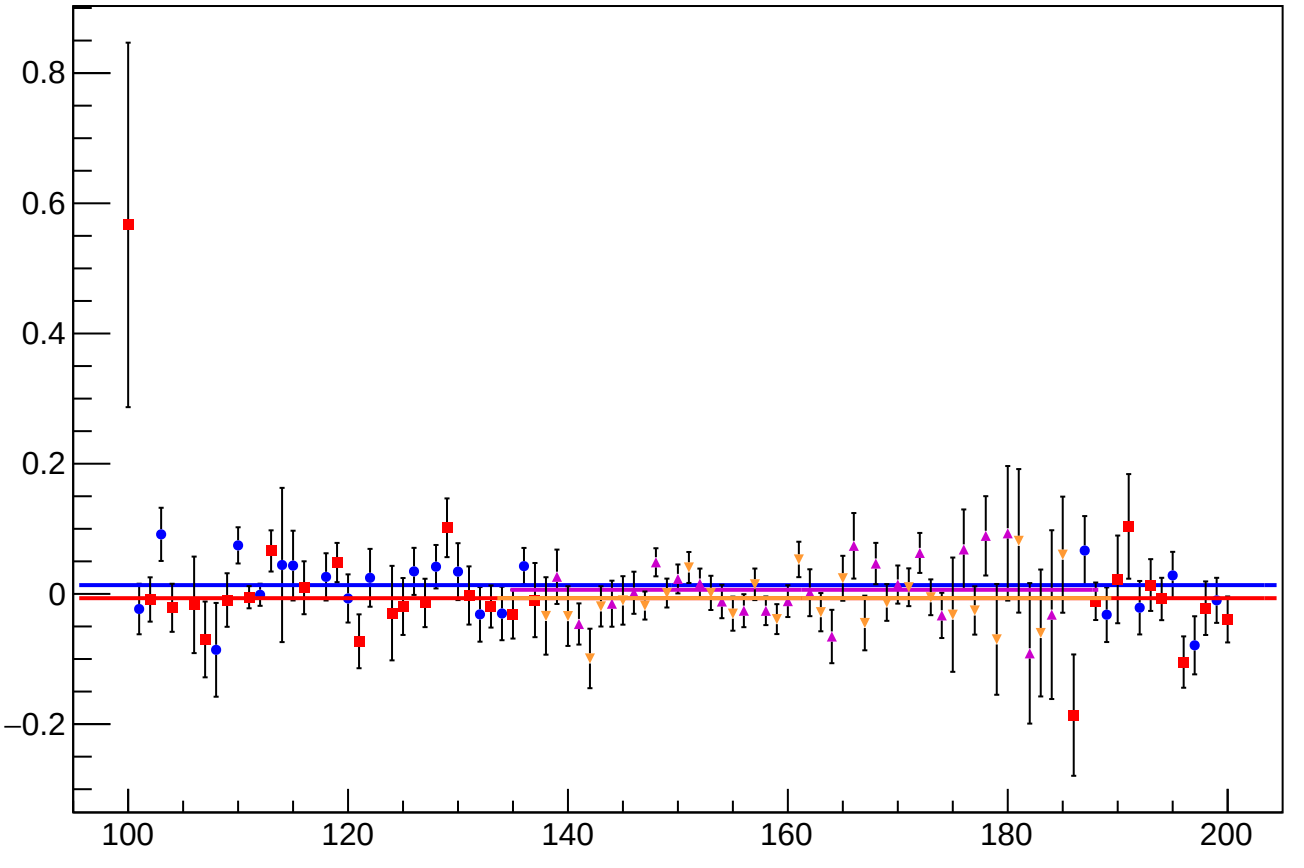
Right: 0.000+/-0.000 χ^2/NDF: 54.2/49

In: -0.000+/-0.000 χ^2/NDF:38.5/44

Out: 0.000+/-0.000 χ^2/NDF:66.0/52

All: 0.000+/-0.000 χ^2/NDF: 107.4/97


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4259052.3/21
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3998767.2/27
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 8586528.3/49
In: 0.000+/-0.000 χ²/NDF:7164509.8/44
Out: 0.000+/-0.000 χ²/NDF:8169461.1/52
All: 0.000+/-0.000 χ²/NDF: 15341659.0/97



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

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

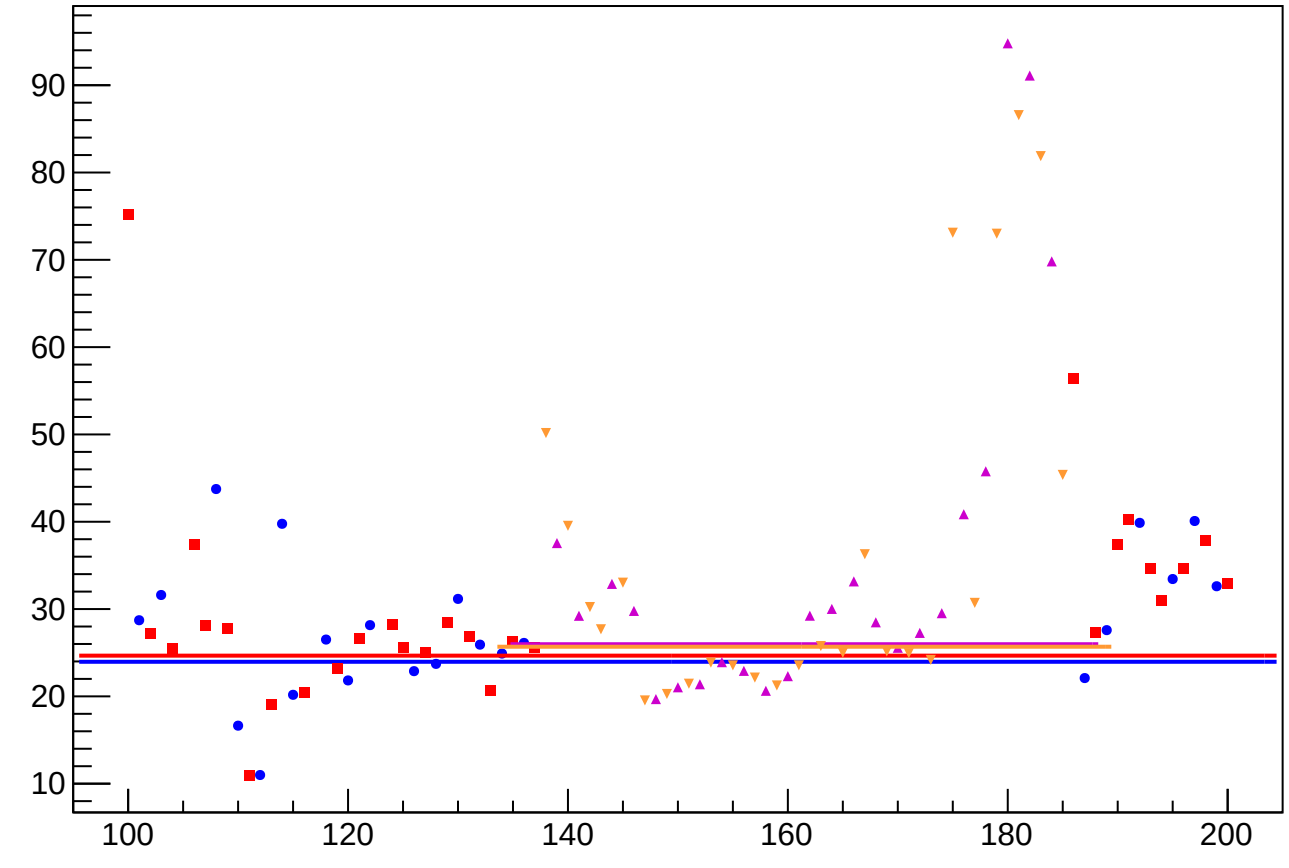
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 65.6/49

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 118.7/97



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

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

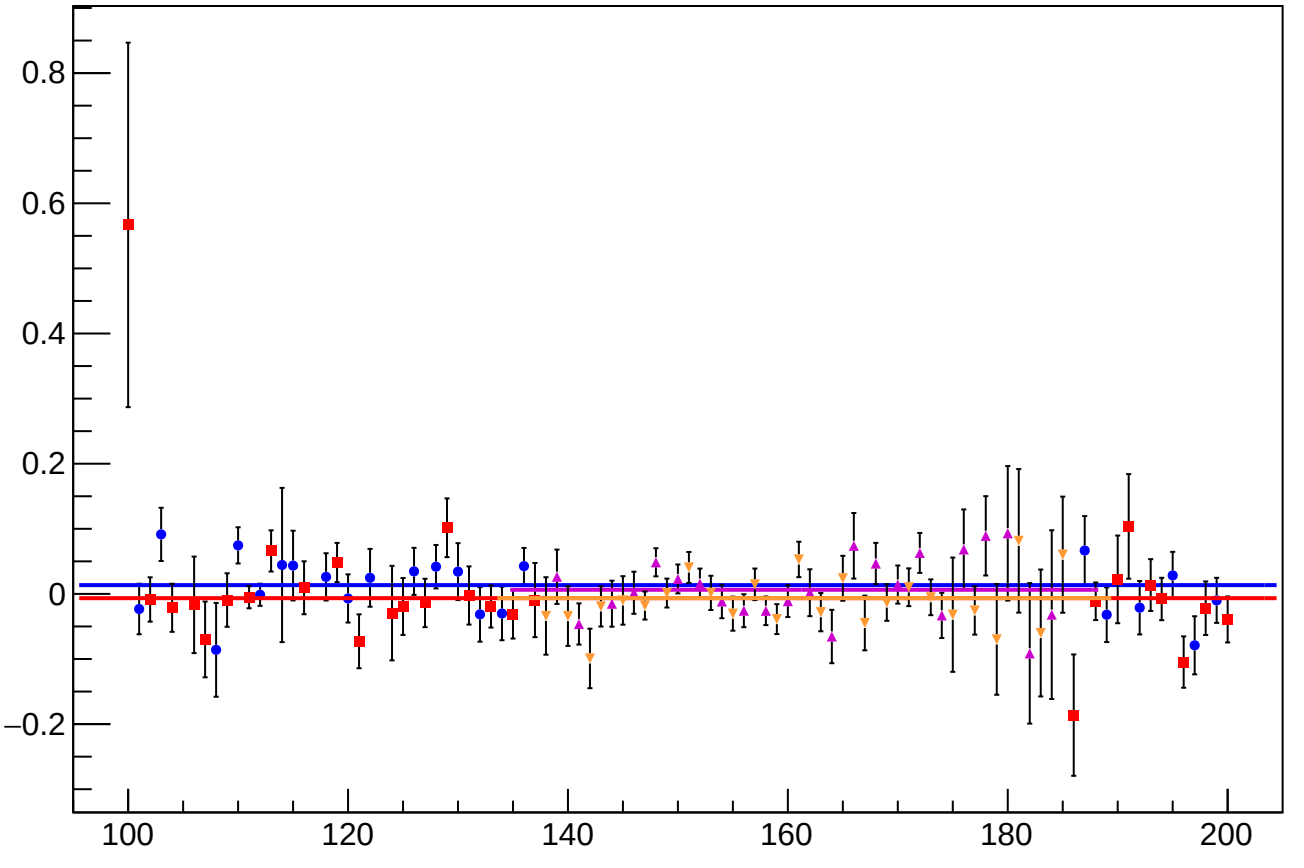
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.334+/-0.004 χ^2/NDF: 5208912.7/49

In: 25.116+/-0.004 χ^2/NDF:5746226.2/44

Out: 25.237+/-0.003 χ^2/NDF:6544456.6/52

All: 25.179+/-0.002 χ^2/NDF: 12291286.2/97



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

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

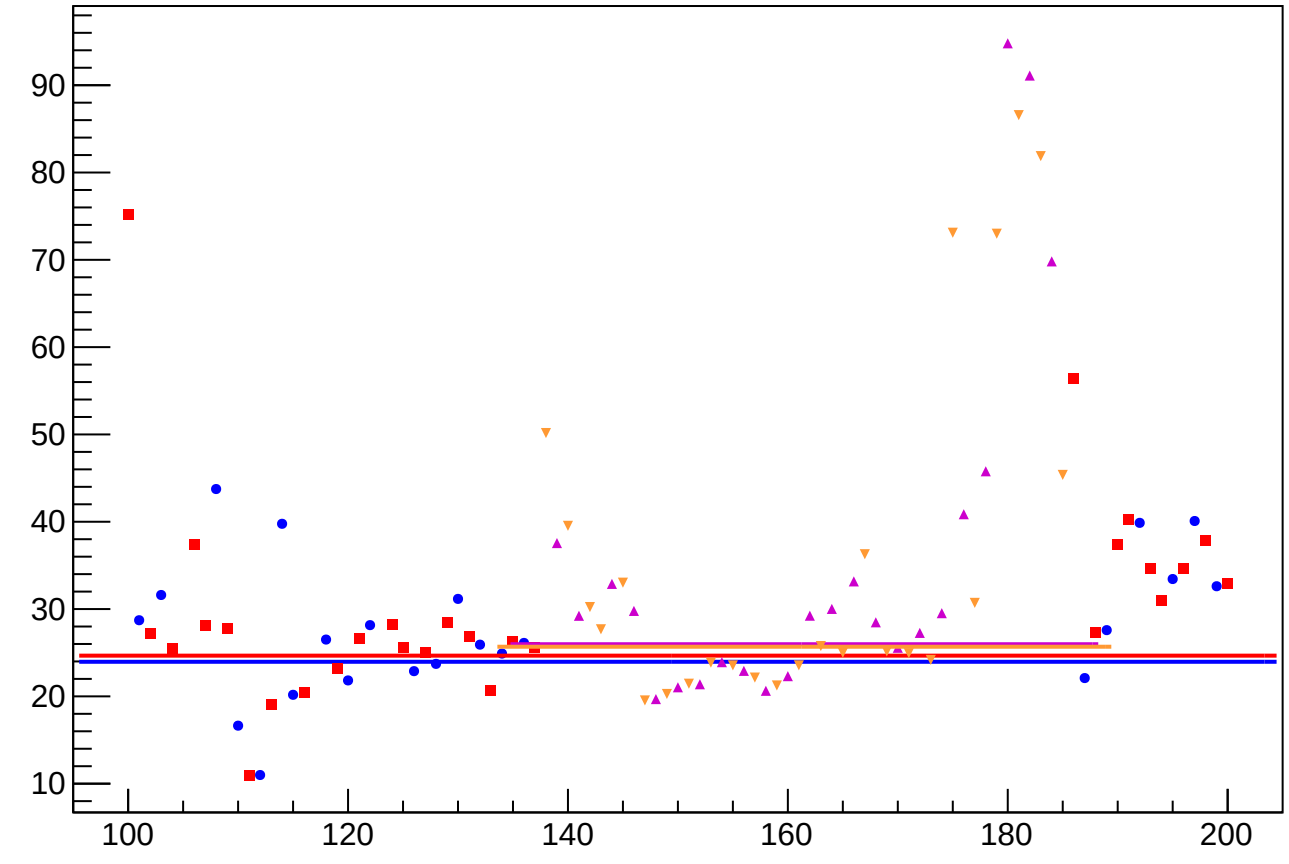
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 65.6/49

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 118.7/97



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

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

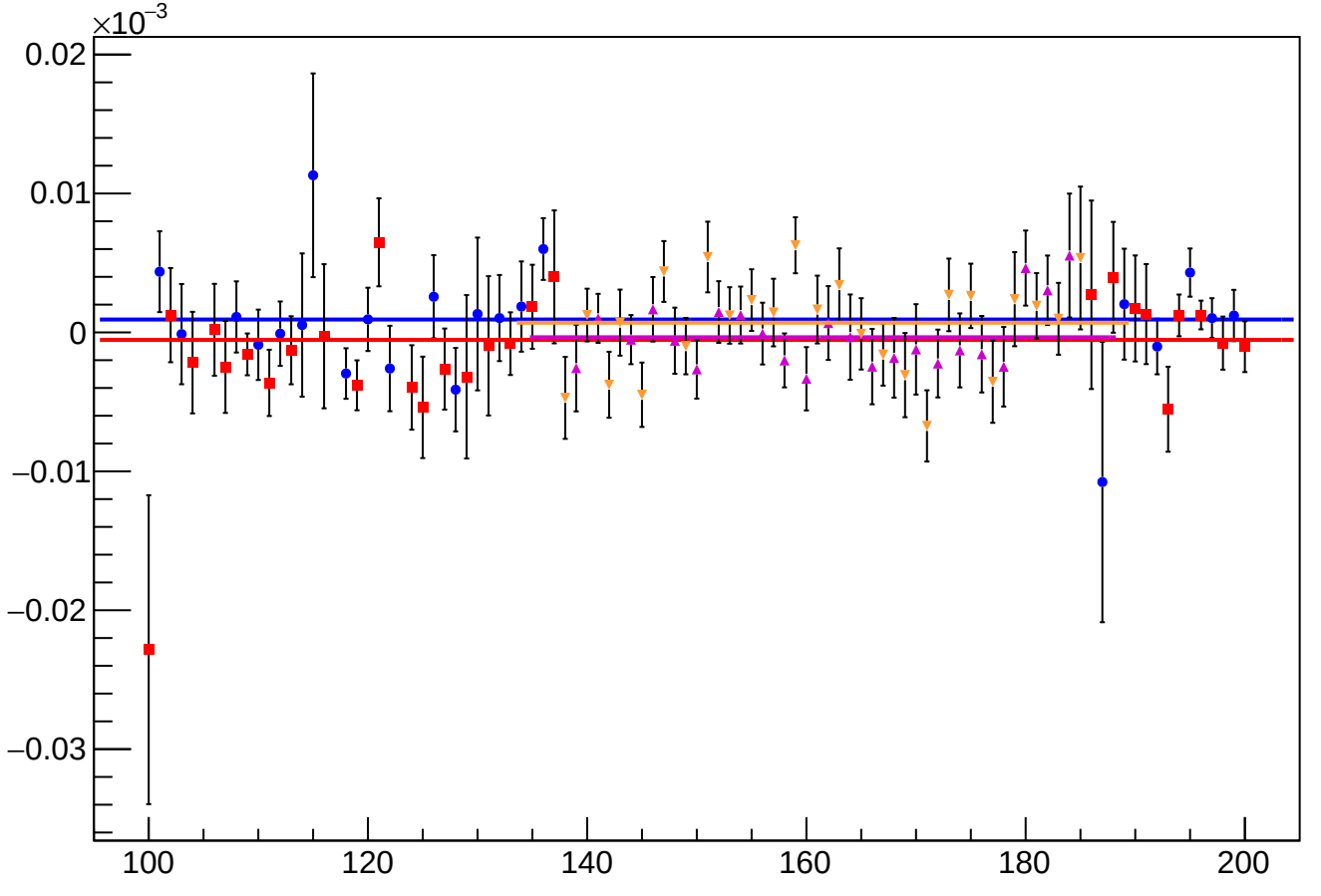
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.334+/-0.004 χ^2/NDF: 5208912.7/49

In: 25.116+/-0.004 χ^2/NDF:5746226.2/44

Out: 25.237+/-0.003 χ^2/NDF:6544456.6/52

All: 25.179+/-0.002 χ^2/NDF: 12291286.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

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

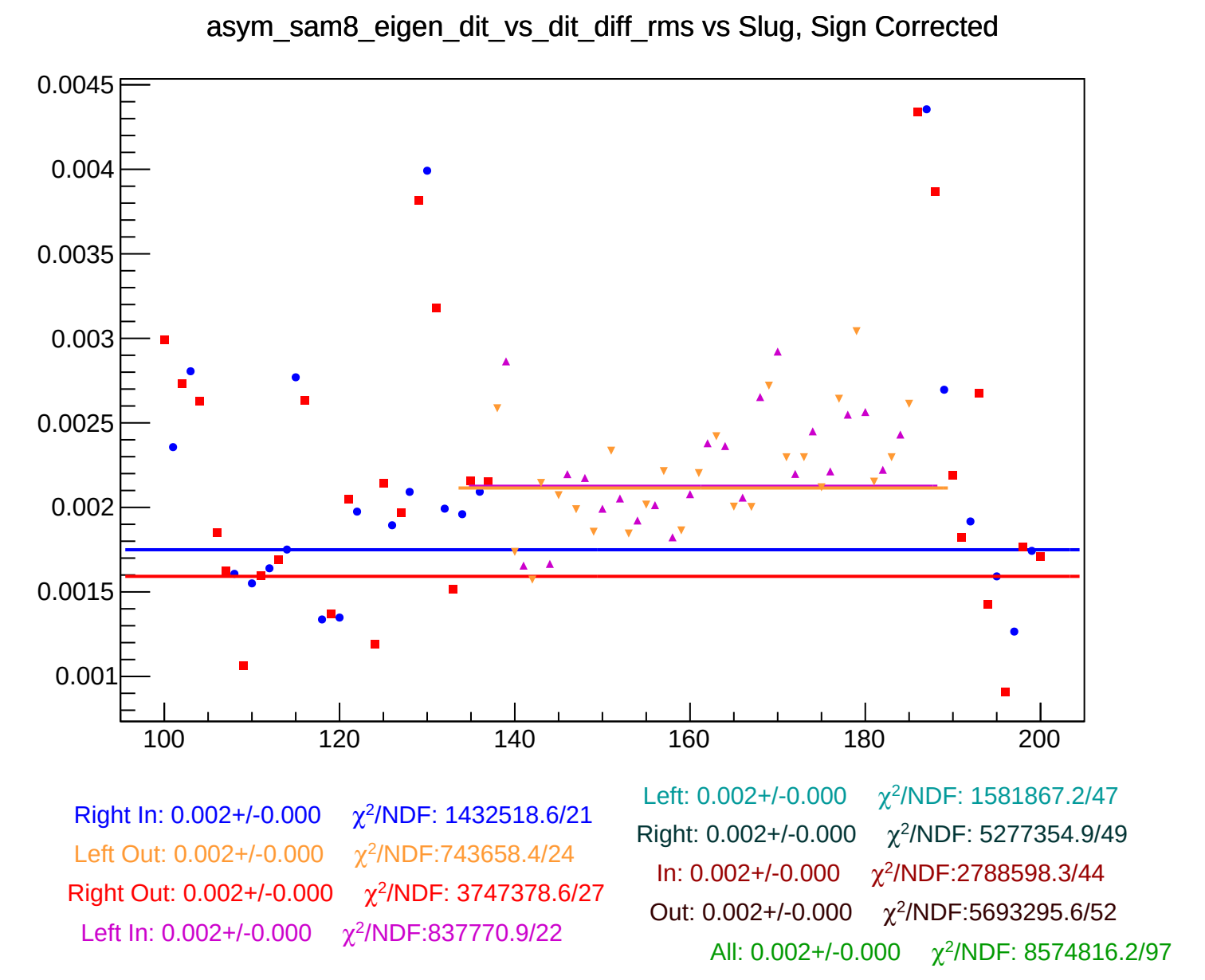
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

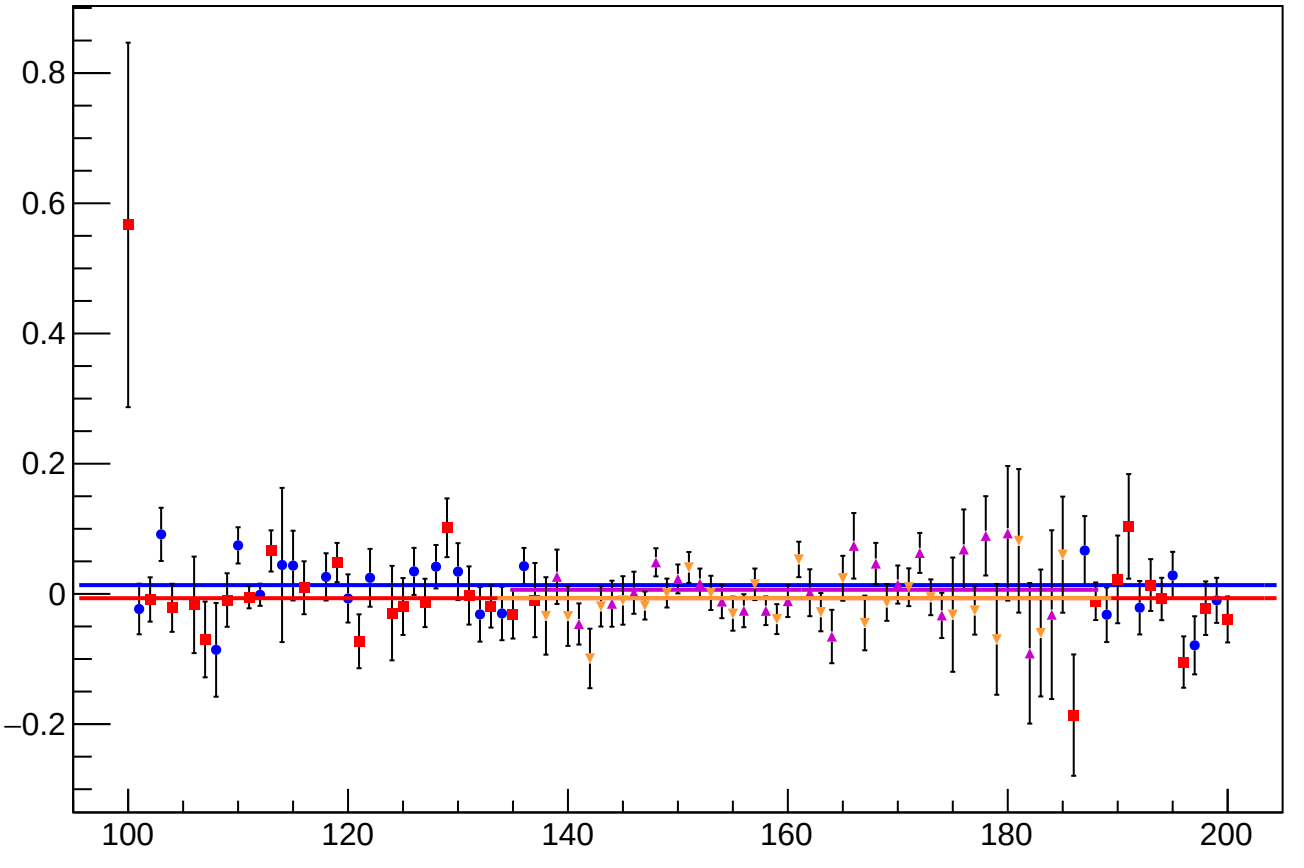
Right: 0.000+/-0.000 χ^2/NDF: 58.9/49

In: 0.000+/-0.000 χ^2/NDF:44.1/44

Out: 0.000+/-0.000 χ^2/NDF:77.6/52

All: 0.000+/-0.000 χ^2/NDF: 121.9/97


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: 1432518.6/21
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: 5277354.9/49
In: 0.002+/-0.000 χ²/NDF:2788598.3/44
Out: 0.002+/-0.000 χ²/NDF:5693295.6/52
All: 0.002+/-0.000 χ²/NDF: 8574816.2/97



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

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

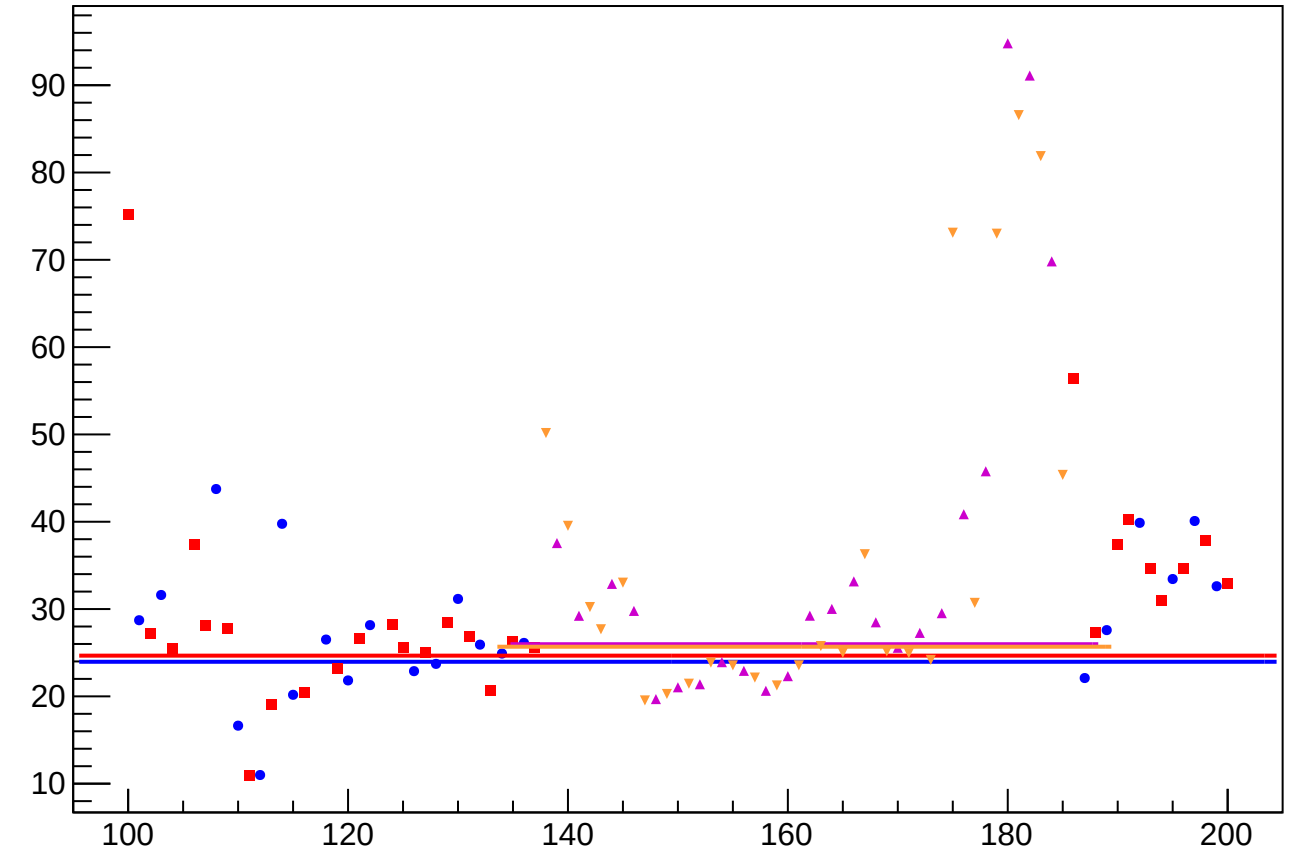
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.003+/-0.005 χ^2/NDF: 65.6/49

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 118.7/97



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

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

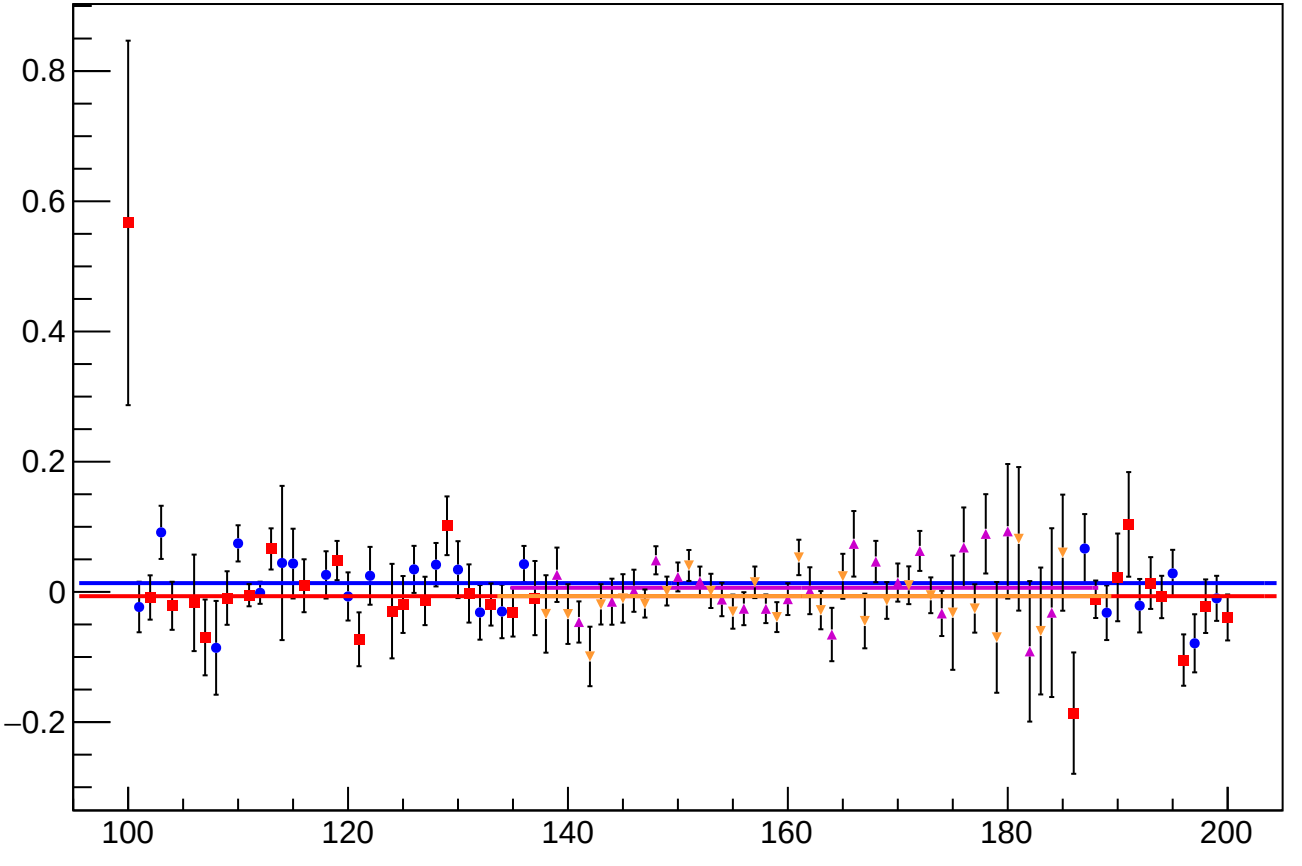
Right: 24.334+/-0.004 χ^2/NDF: 5209362.2/49

In: 25.116+/-0.004 χ^2/NDF:5746478.6/44

Out: 25.236+/-0.003 χ^2/NDF:6544725.9/52

All: 25.179+/-0.002 χ^2/NDF: 12291807.3/97

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

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

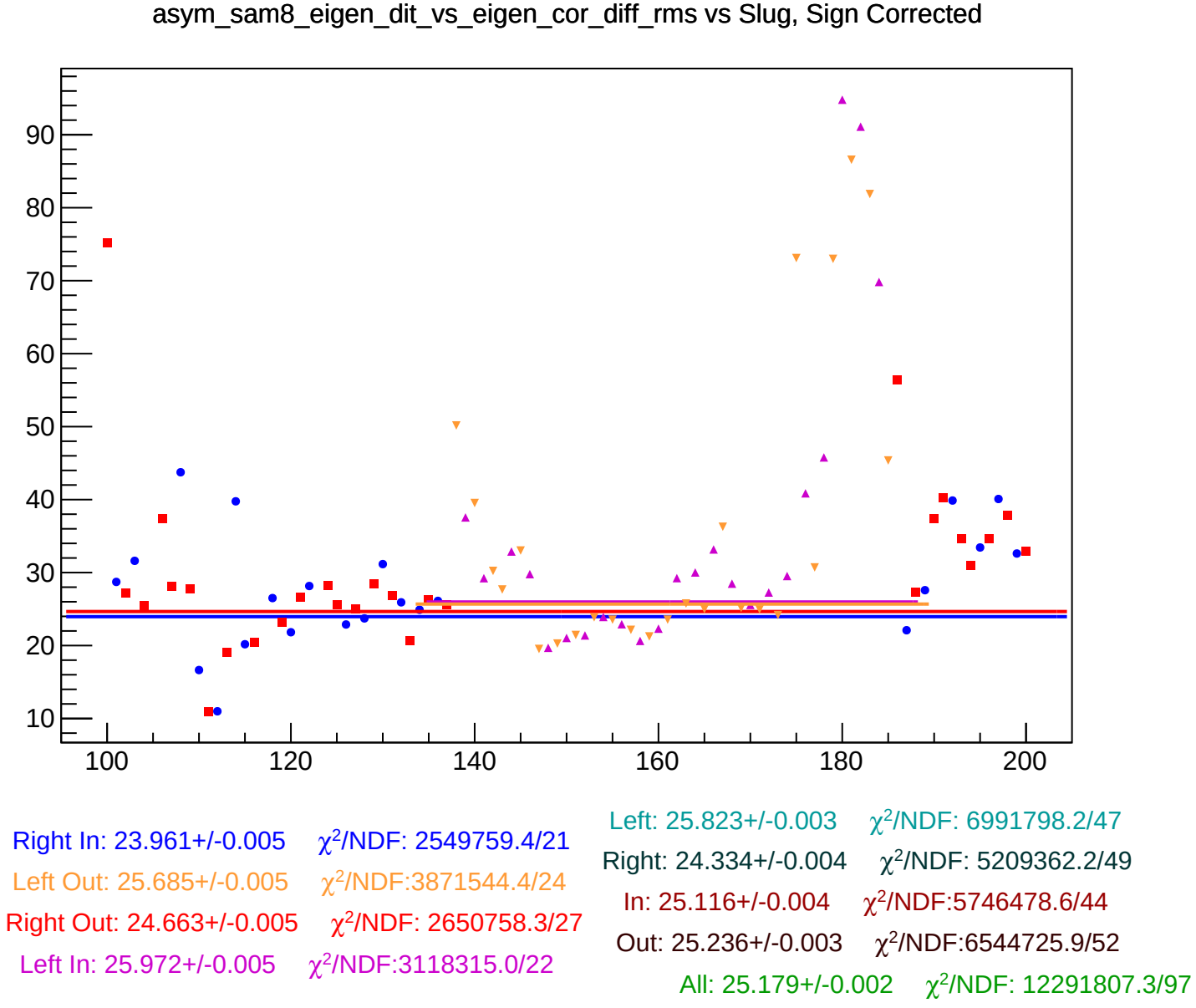
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

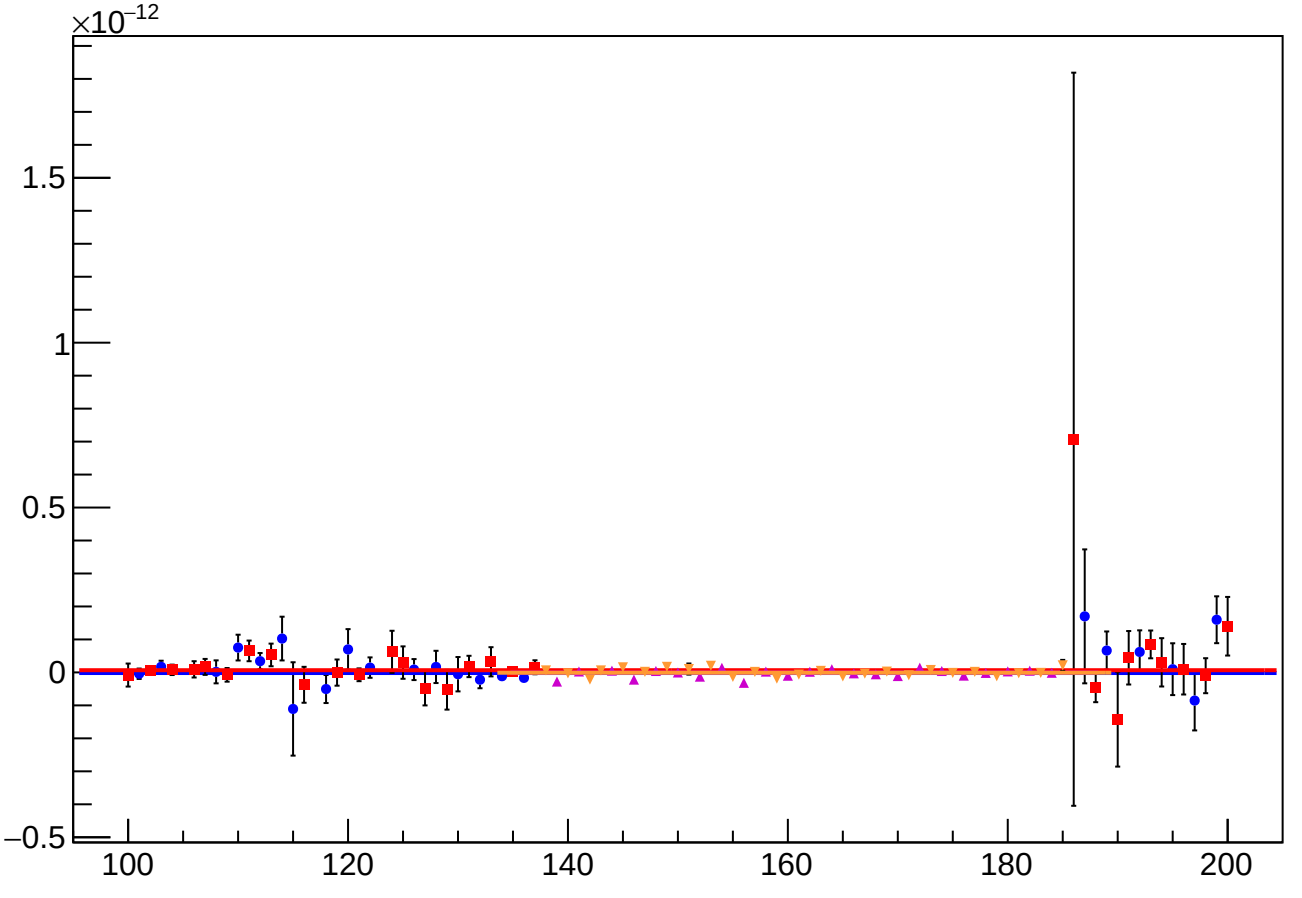
Right: 0.003+/-0.005 χ^2/NDF: 65.6/49

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:59.2/52

All: 0.001+/-0.003 χ^2/NDF: 118.7/97


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 23.961+/-0.005 χ²/NDF: 2549759.4/21
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 24.663+/-0.005 χ²/NDF: 2650758.3/27
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 24.334+/-0.004 χ²/NDF: 5209362.2/49
In: 25.116+/-0.004 χ²/NDF:5746478.6/44
Out: 25.236+/-0.003 χ²/NDF:6544725.9/52
All: 25.179+/-0.002 χ²/NDF: 12291807.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/21

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

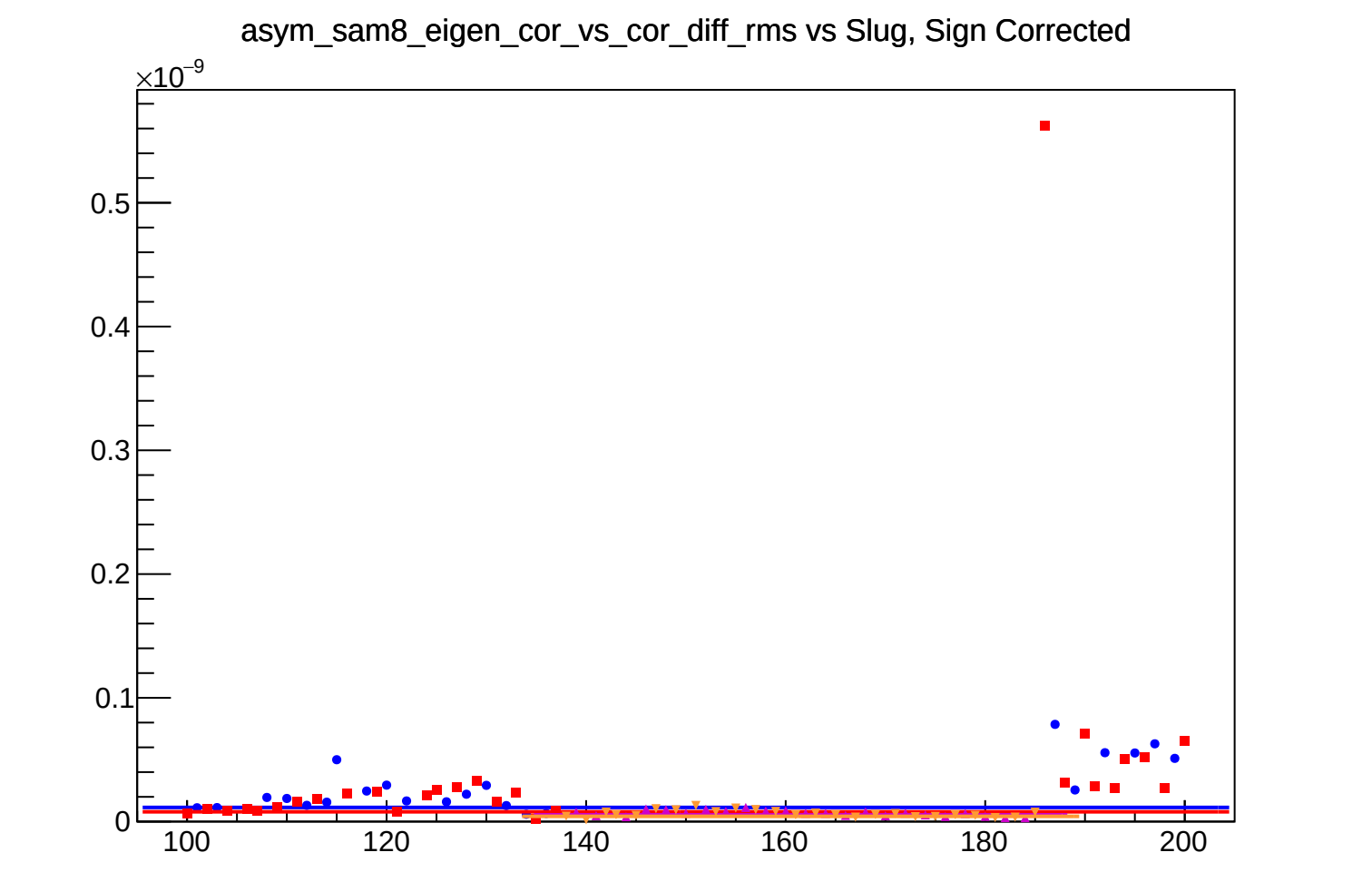
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.2/49

In: -0.000+/-0.000 χ^2/NDF:56.1/44

Out: -0.000+/-0.000 χ^2/NDF:52.0/52

All: -0.000+/-0.000 χ^2/NDF: 108.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 5176849.0/21

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

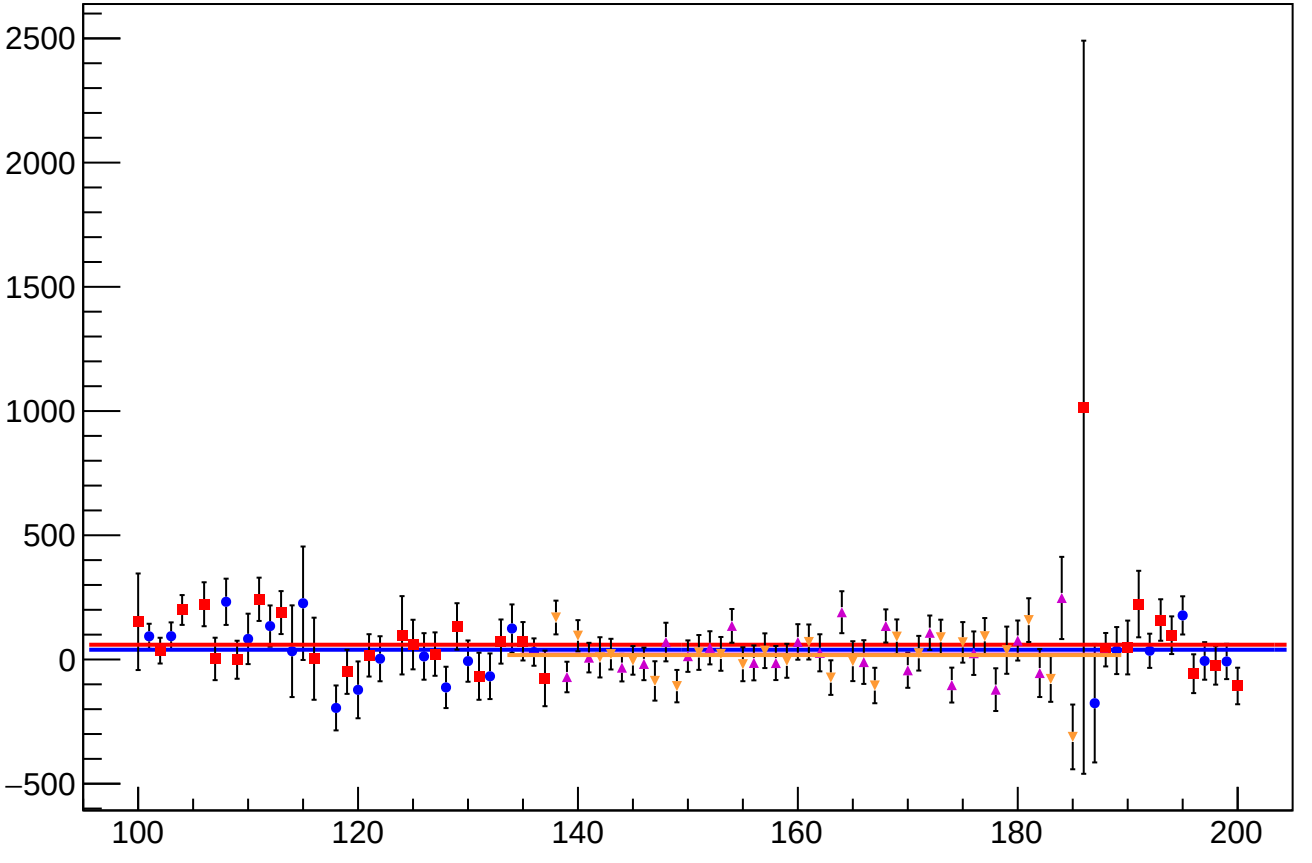
Right: 0.000+/-0.000 χ^2/NDF: 14273673.4/49

In: 0.000+/-0.000 χ^2/NDF:10225292.9/44

Out: 0.000+/-0.000 χ^2/NDF:15314751.5/52

All: 0.000+/-0.000 χ^2/NDF: 26405984.6/97

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.229+/-17.453 χ^2/NDF: 28.2/21

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

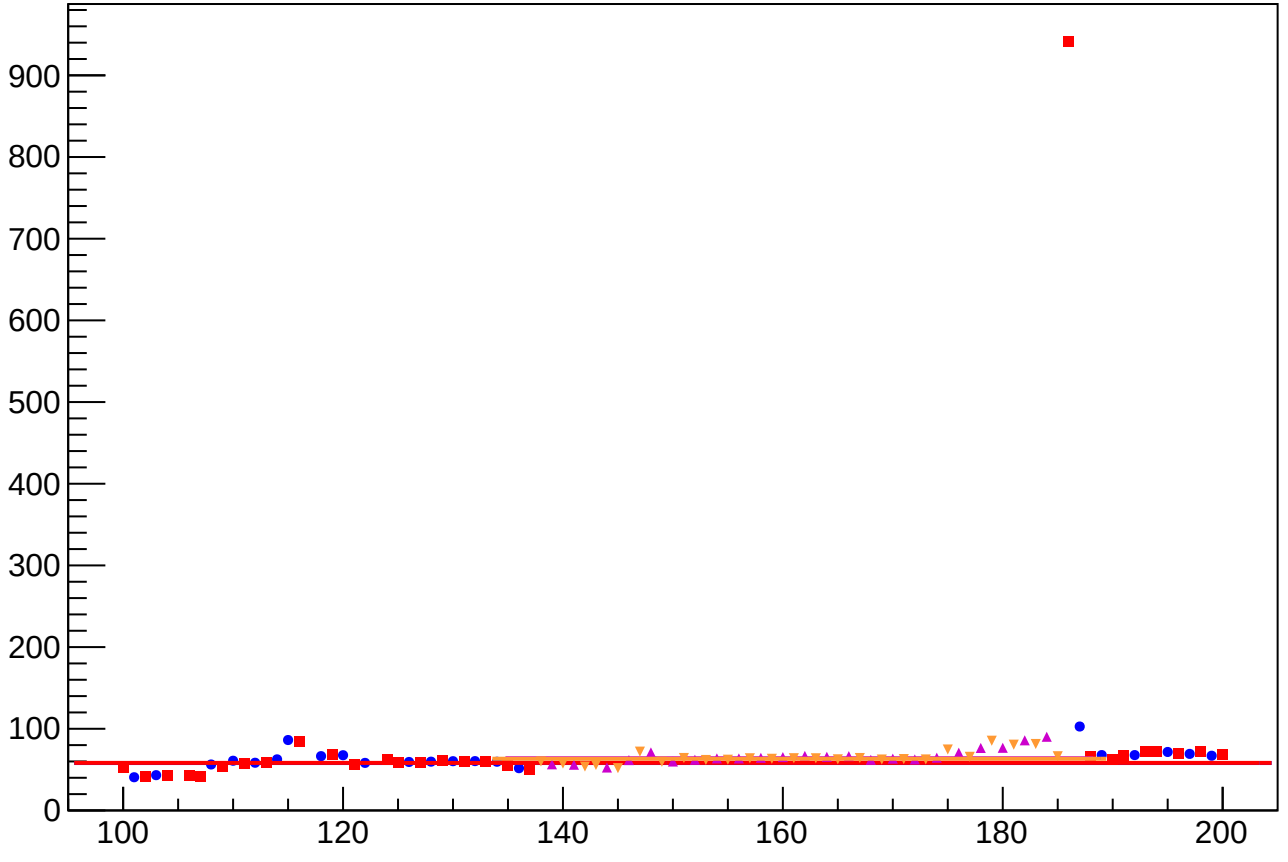
Right: 49.999+/-11.928 χ^2/NDF: 64.1/49

In: 27.989+/-11.393 χ^2/NDF:55.1/44

Out: 36.137+/-10.843 χ^2/NDF:70.4/52

All: 32.264+/-7.855 χ^2/NDF: 125.8/97

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.060+/-0.012 χ^2/NDF: 745057.0/21

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

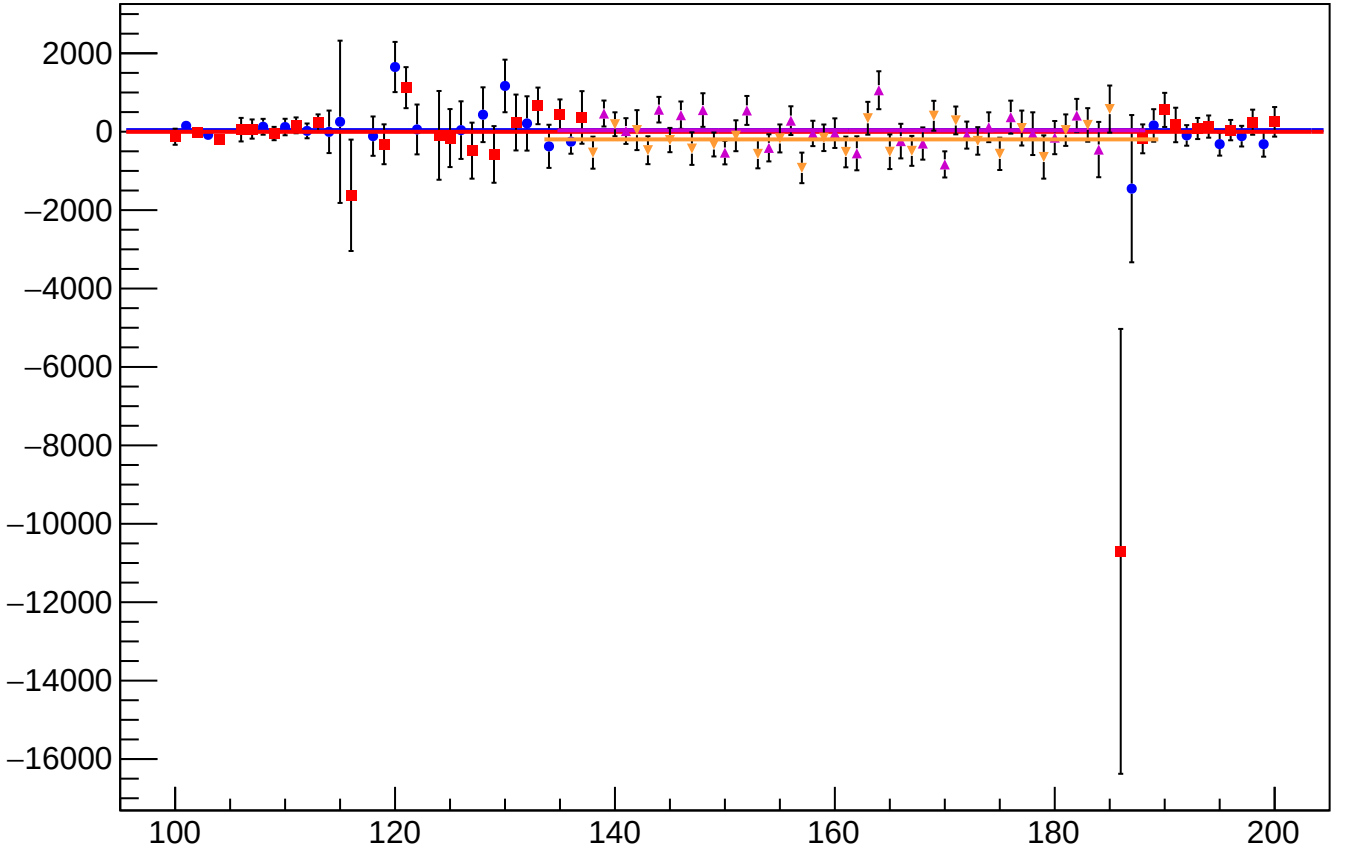
Right: 58.150+/-0.008 χ^2/NDF: 2348674.0/49

In: 61.422+/-0.008 χ^2/NDF:1319654.6/44

Out: 61.073+/-0.008 χ^2/NDF:2209322.3/52

All: 61.239+/-0.006 χ^2/NDF: 3529959.8/97

asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 40.864+/-43.881 χ^2/NDF: 20.0/21

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

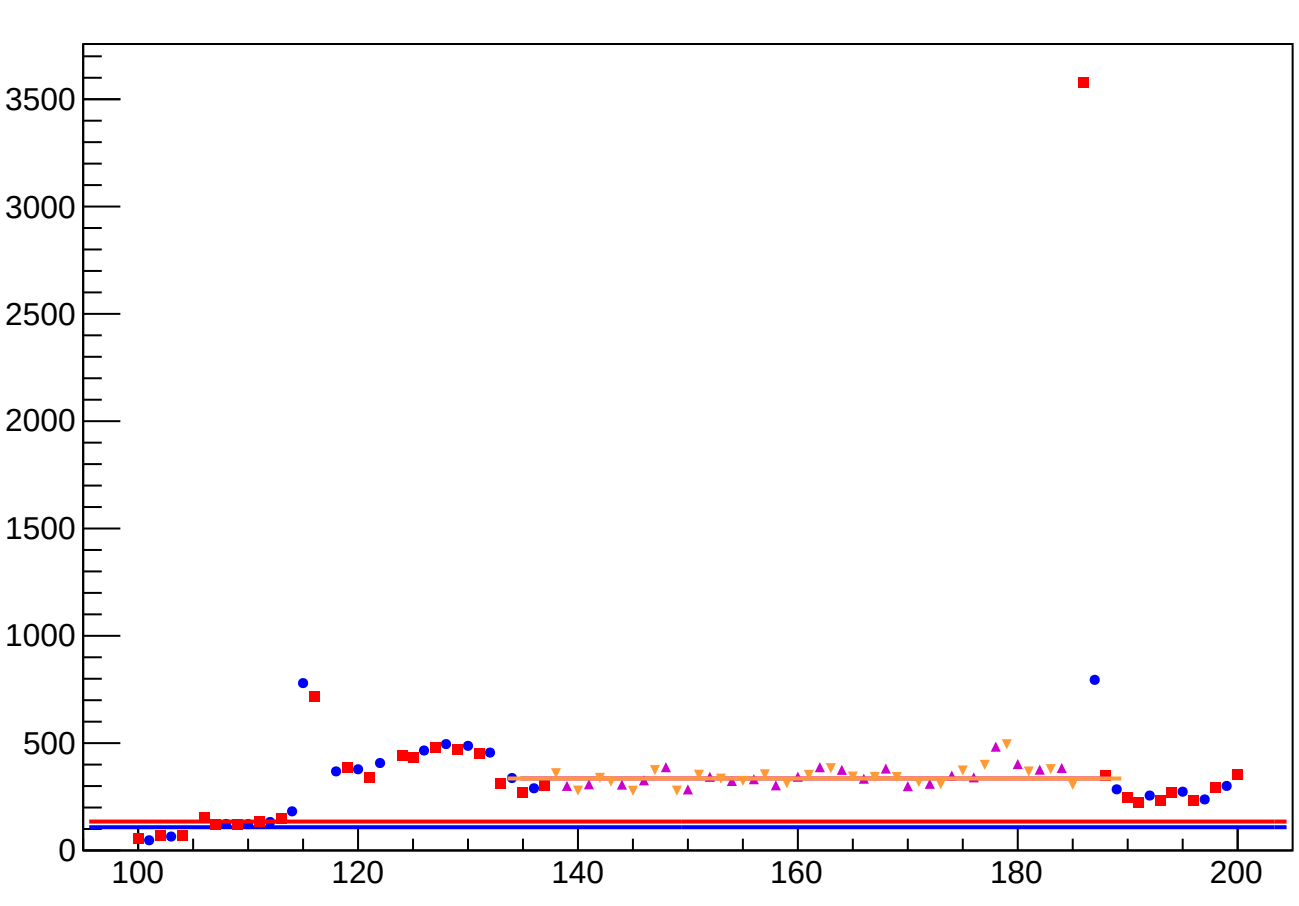
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 20.063+/-31.774 χ^2/NDF: 45.8/49

In: 39.820+/-38.385 χ^2/NDF:51.1/44

Out: -53.677+/-39.546 χ^2/NDF:50.5/52

All: -5.536+/-27.543 χ^2/NDF: 104.5/97



Right In: 108.178+/-0.031 χ^2/NDF: 10108471.9/21

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

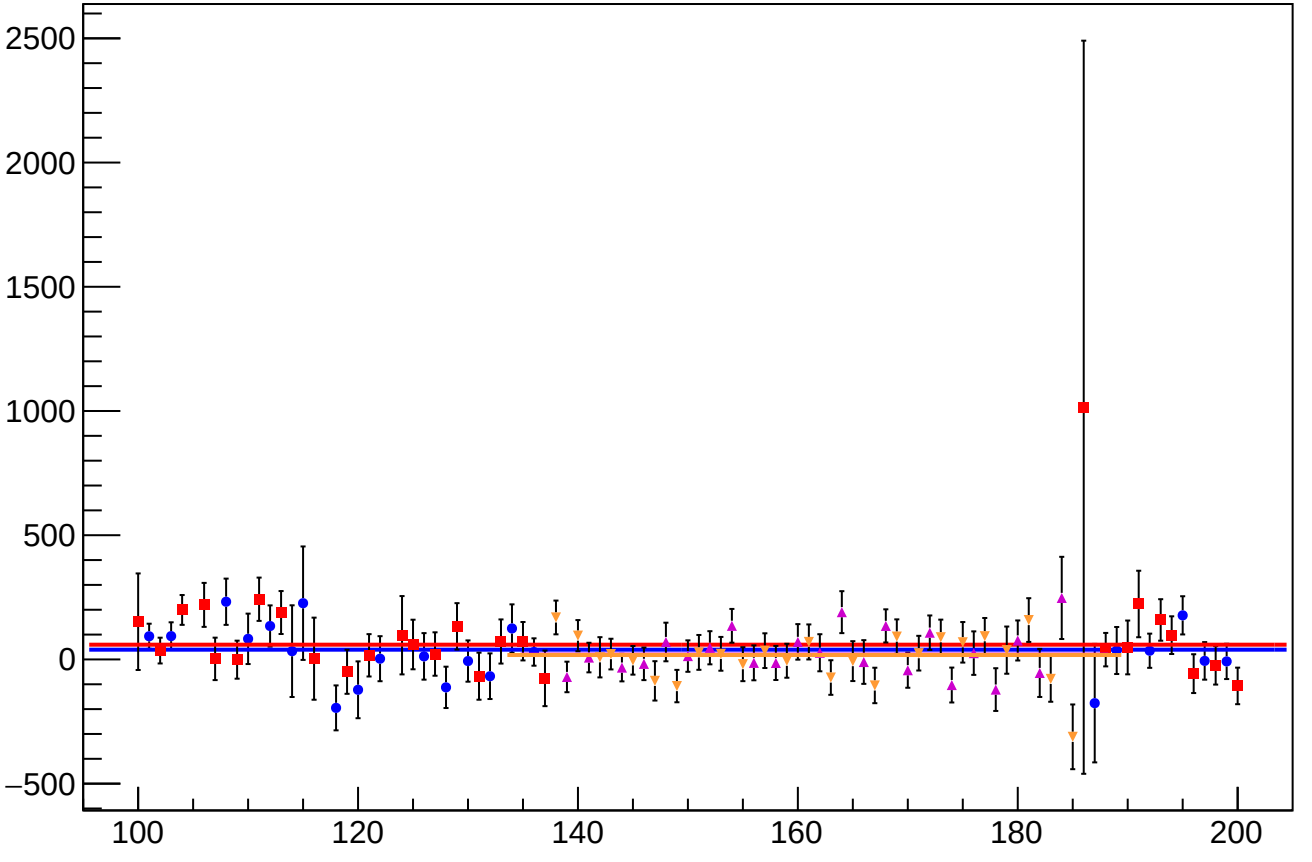
Right: 120.745+/-0.022 χ^2/NDF: 20173910.0/49

In: 161.566+/-0.027 χ^2/NDF:23210638.8/44

Out: 187.407+/-0.028 χ^2/NDF:20270833.4/52

All: 174.102+/-0.019 χ^2/NDF: 43921168.3/97

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

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

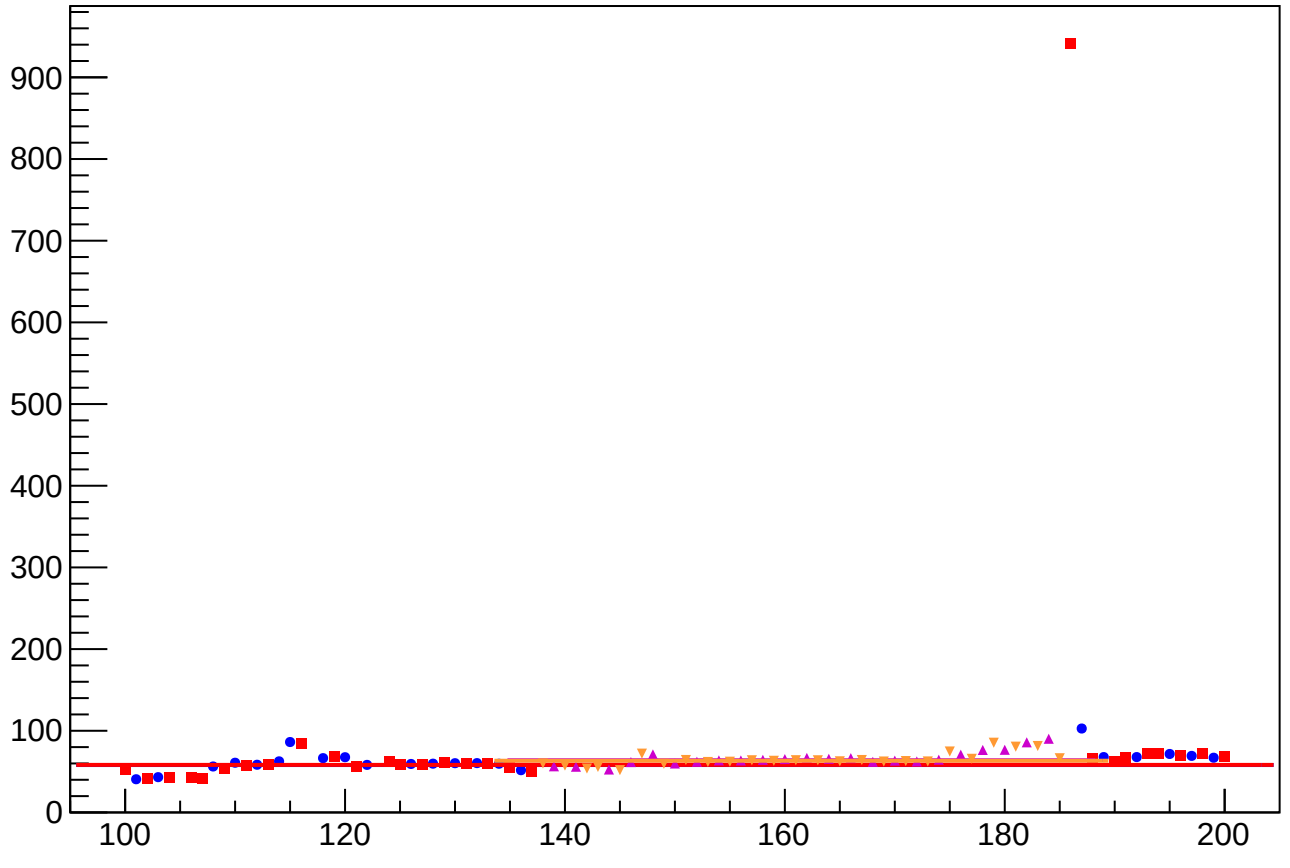
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 49.953+/-11.928 χ^2/NDF: 64.0/49

In: 27.992+/-11.393 χ^2/NDF:55.1/44

Out: 36.098+/-10.844 χ^2/NDF:70.3/52

All: 32.245+/-7.855 χ^2/NDF: 125.6/97



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

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

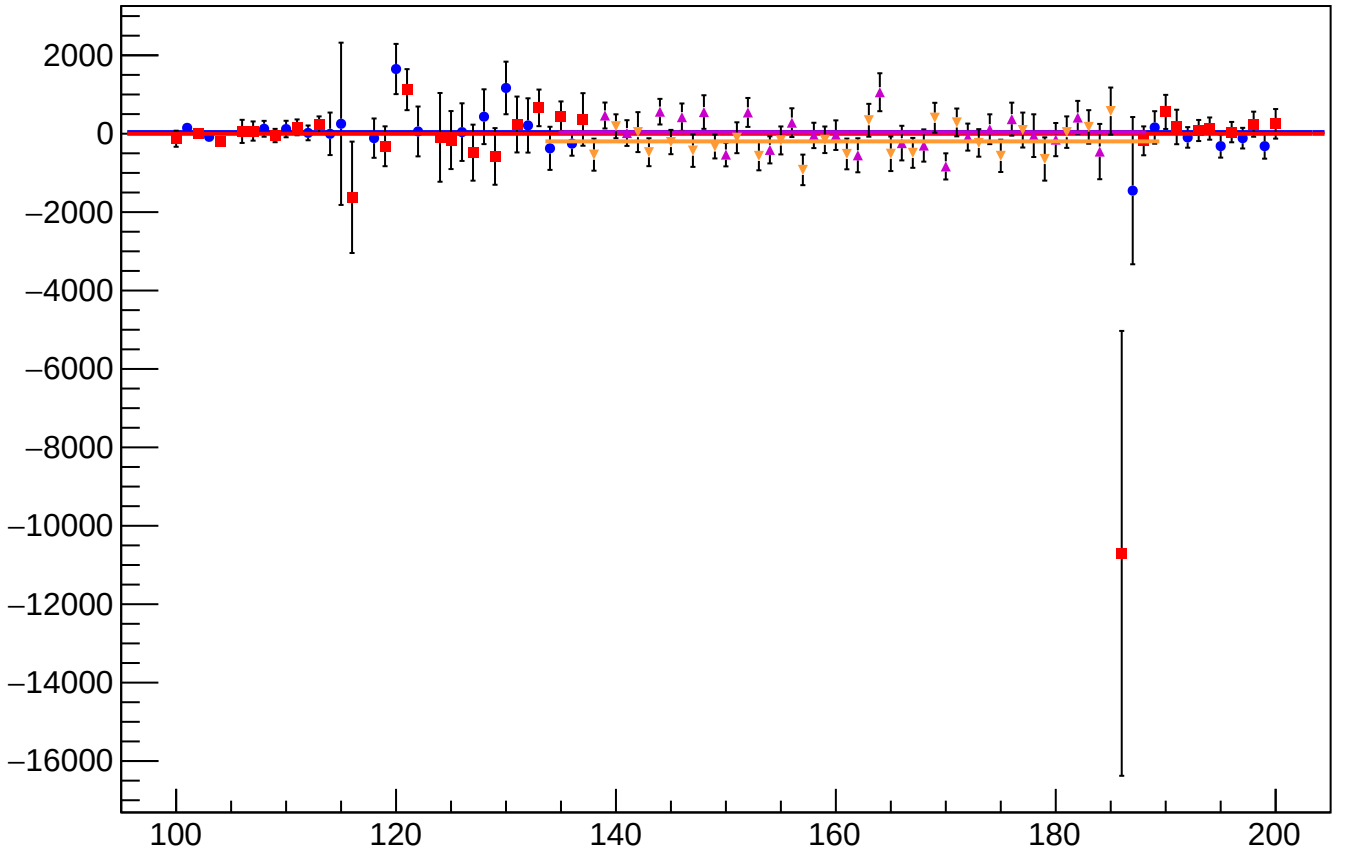
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.149+/-0.008 χ^2/NDF: 2349081.2/49

In: 61.422+/-0.008 χ^2/NDF:1319653.5/44

Out: 61.073+/-0.008 χ^2/NDF:2209769.1/52

All: 61.239+/-0.006 χ^2/NDF: 3530407.3/97



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

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

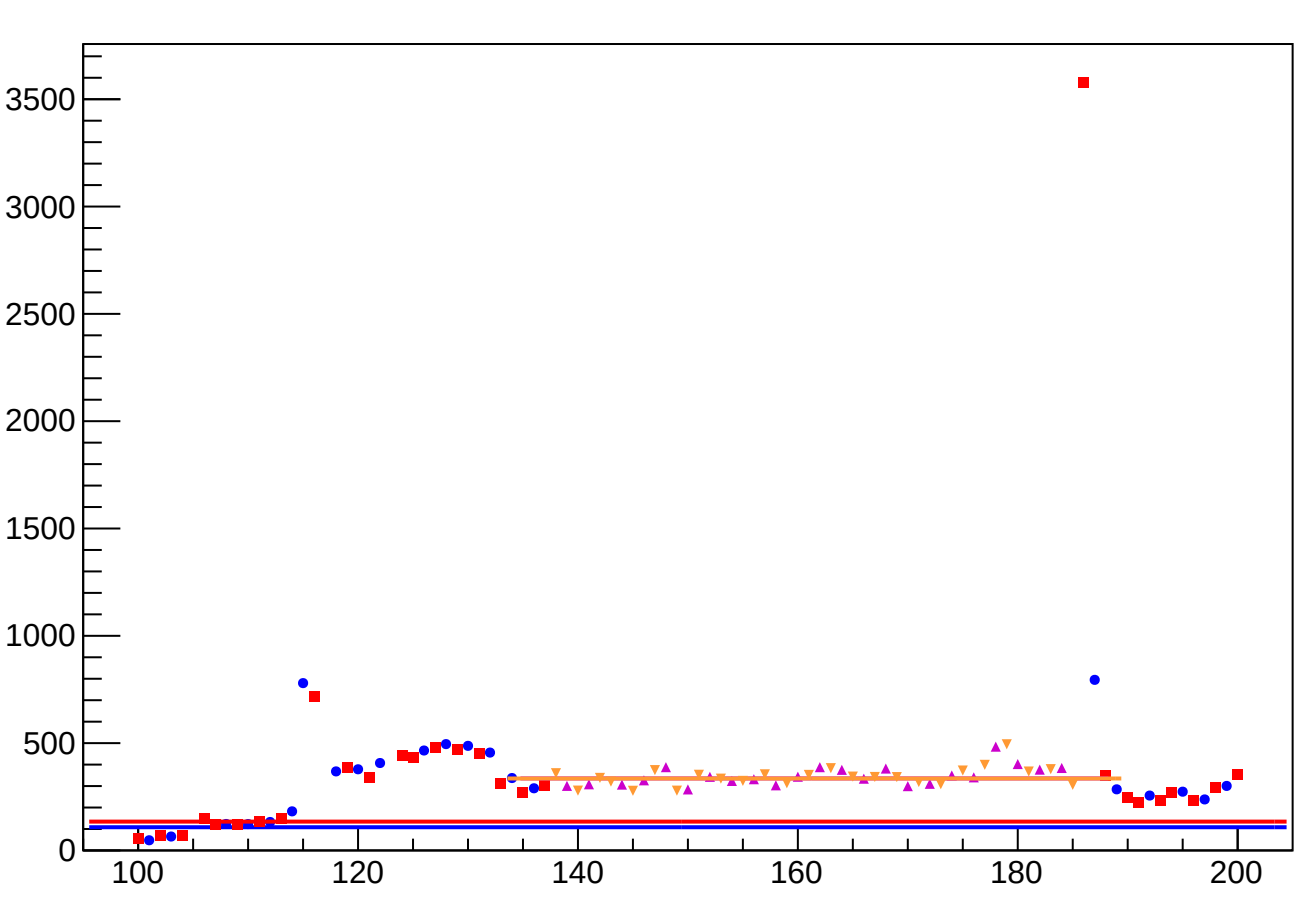
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 20.210+/-31.763 χ^2/NDF: 45.8/49

In: 39.822+/-38.384 χ^2/NDF:51.1/44

Out: -53.374+/-39.525 χ^2/NDF:50.5/52

All: -5.411+/-27.536 χ^2/NDF: 104.5/97



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

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

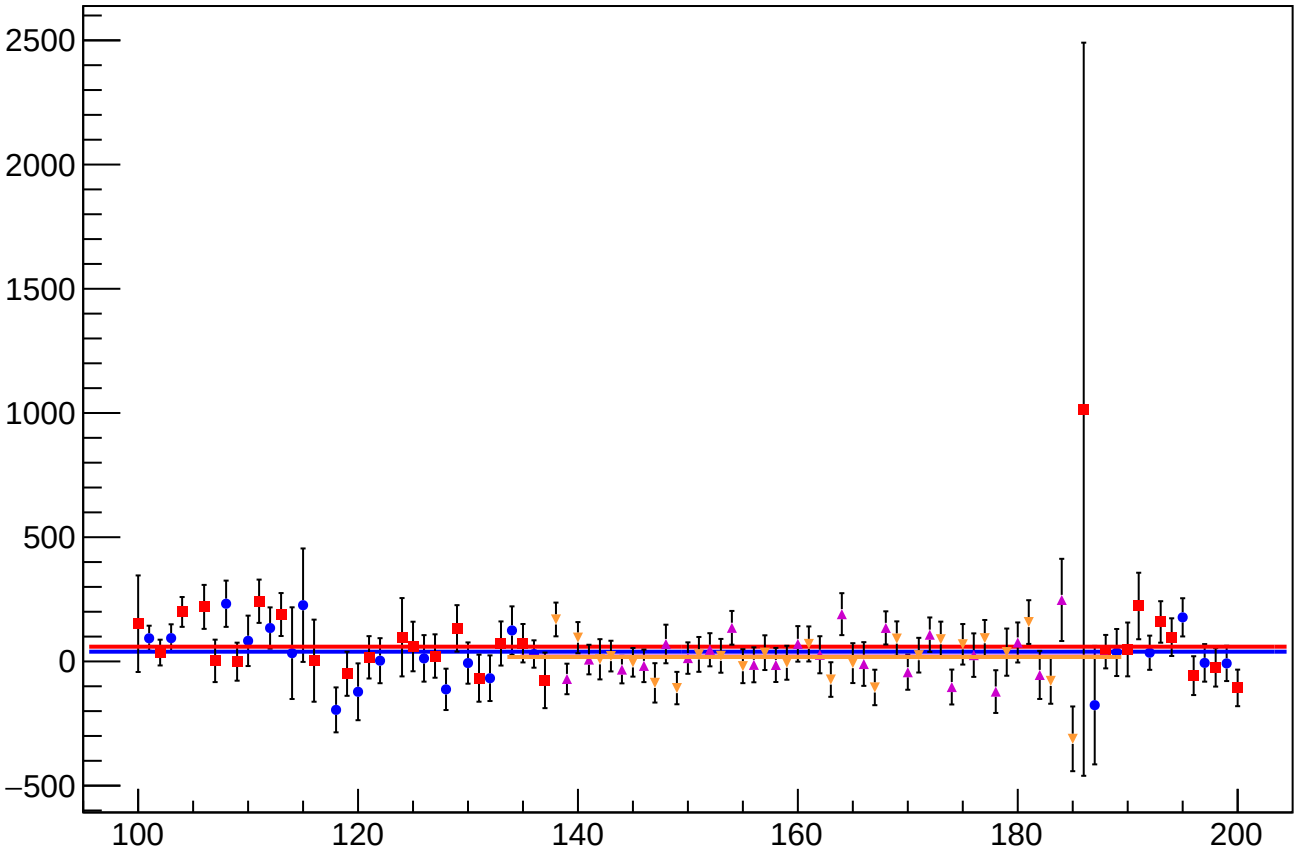
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 120.663+/-0.022 χ^2/NDF: 20169911.2/49

In: 161.562+/-0.027 χ^2/NDF:23211275.3/44

Out: 187.213+/-0.028 χ^2/NDF:20293593.5/52

All: 174.012+/-0.019 χ^2/NDF: 43938373.6/97



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

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

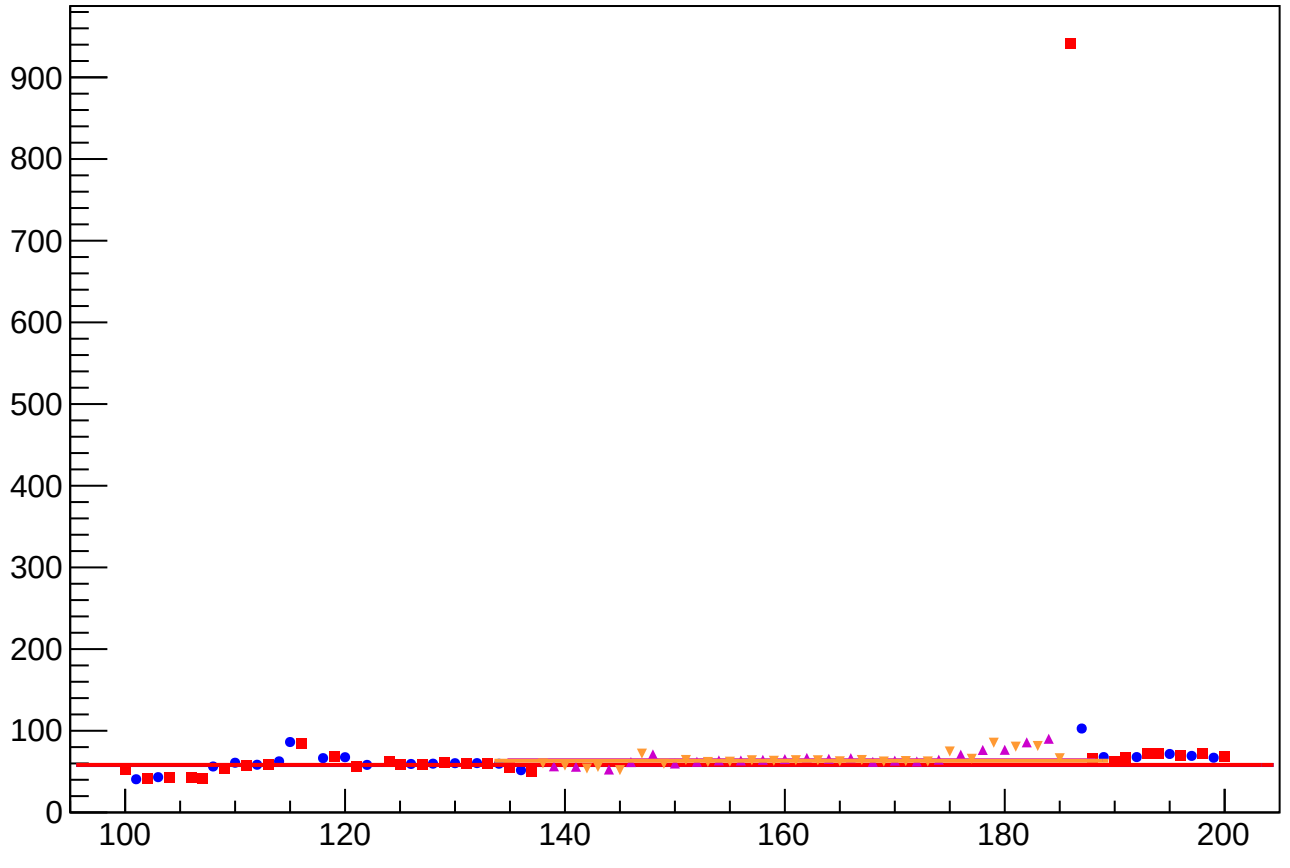
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 49.953+/-11.928 χ^2/NDF: 64.0/49

In: 27.992+/-11.393 χ^2/NDF:55.1/44

Out: 36.098+/-10.844 χ^2/NDF:70.3/52

All: 32.245+/-7.855 χ^2/NDF: 125.6/97



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

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

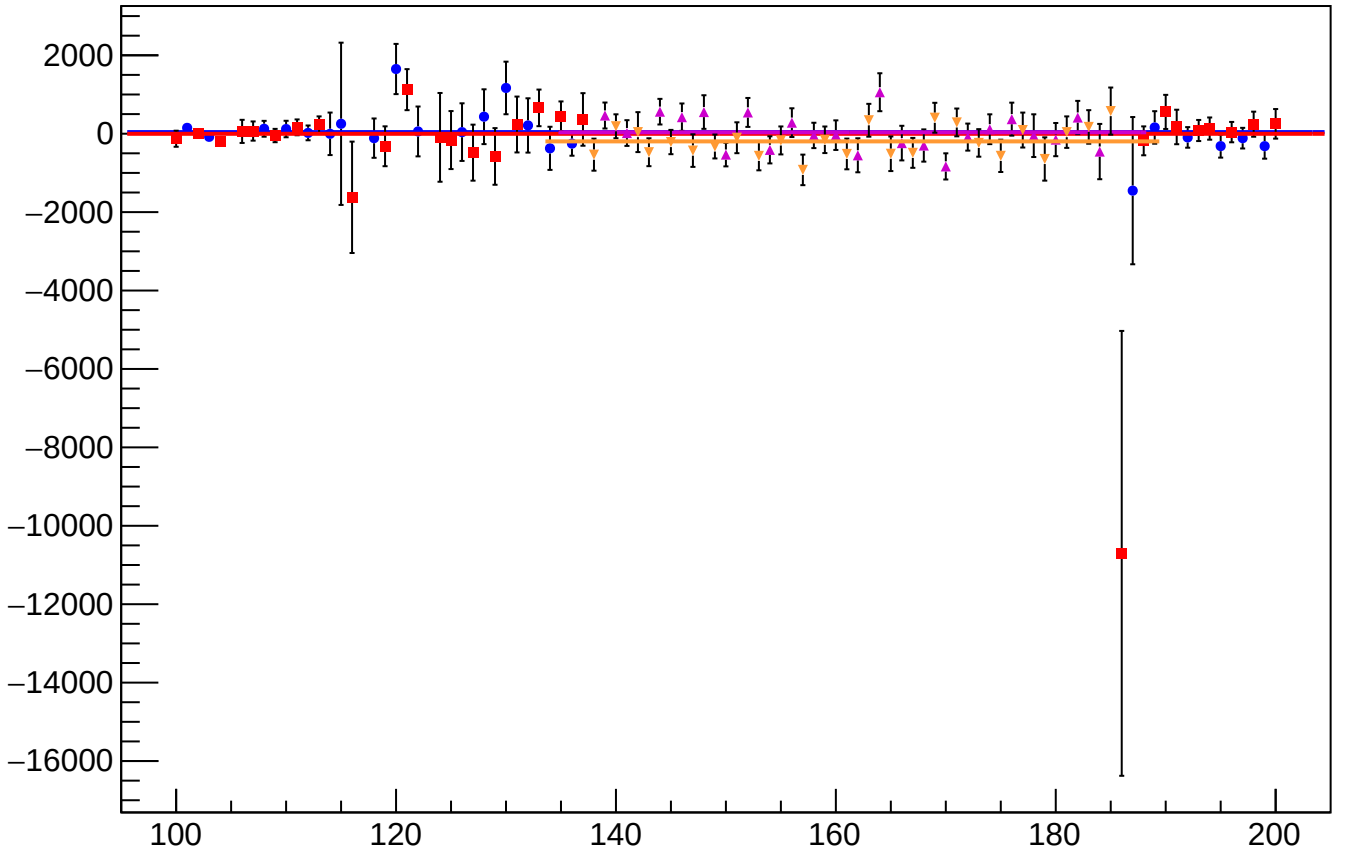
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.149+/-0.008 χ^2/NDF: 2349081.2/49

In: 61.422+/-0.008 χ^2/NDF:1319653.5/44

Out: 61.073+/-0.008 χ^2/NDF:2209769.1/52

All: 61.239+/-0.006 χ^2/NDF: 3530407.3/97



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

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

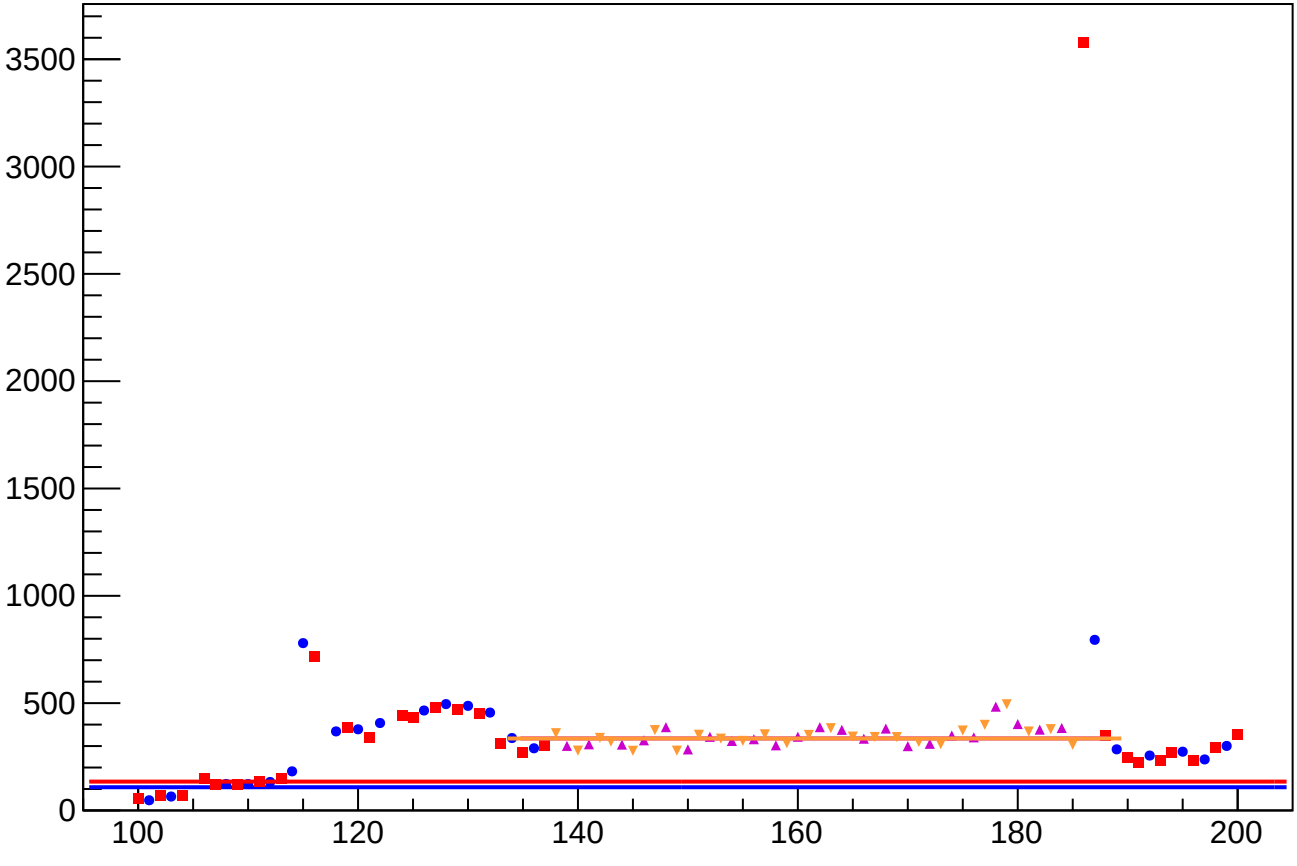
Right: 20.210+/-31.763 χ^2/NDF: 45.8/49

In: 39.822+/-38.384 χ^2/NDF:51.1/44

Out: -53.374+/-39.525 χ^2/NDF:50.5/52

All: -5.411+/-27.536 χ^2/NDF: 104.5/97

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

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

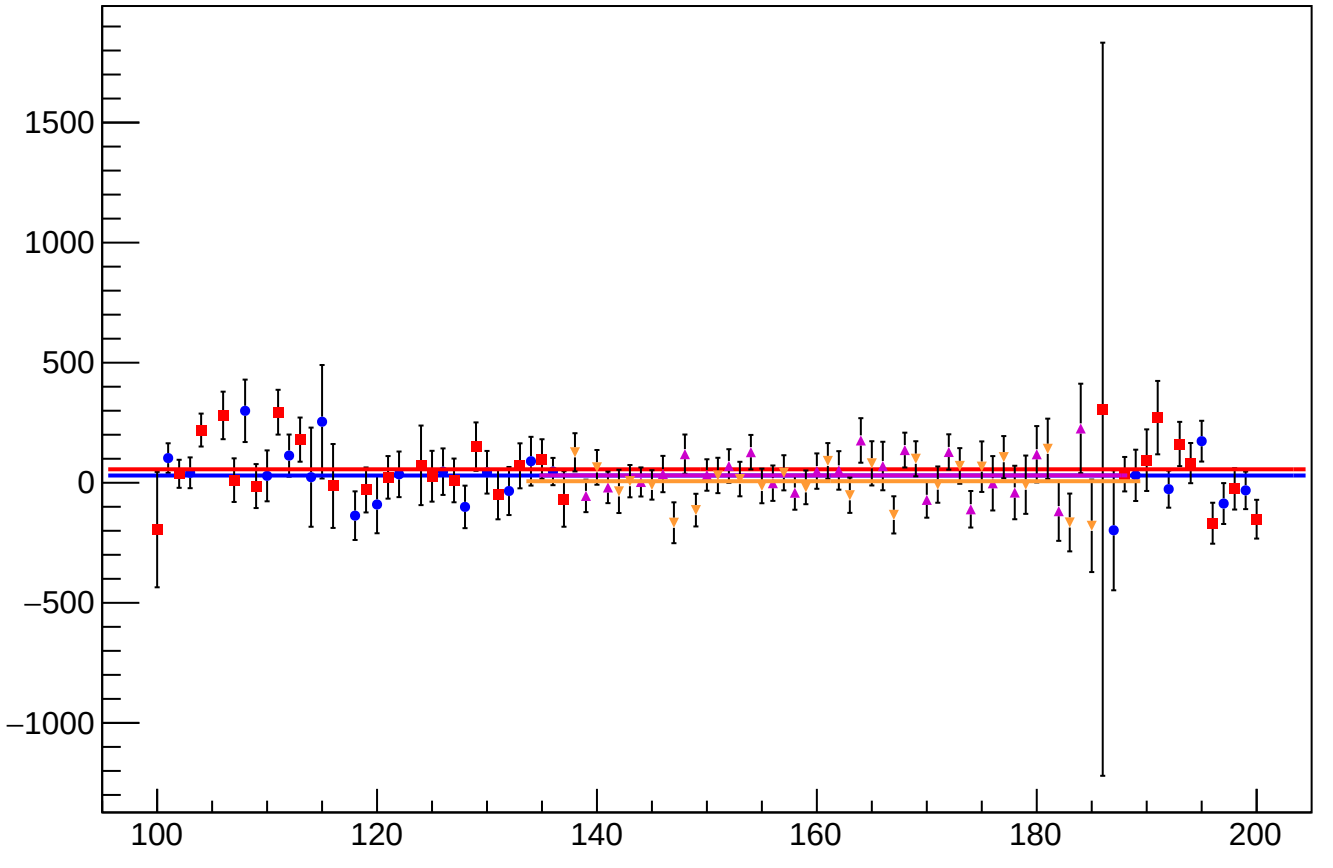
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 120.663+/-0.022 χ^2/NDF: 20169911.2/49

In: 161.562+/-0.027 χ^2/NDF:23211275.3/44

Out: 187.213+/-0.028 χ^2/NDF:20293593.5/52

All: 174.012+/-0.019 χ^2/NDF: 43938373.6/97



Right In: 30.166+/-19.301 χ^2/NDF: 21.0/21

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

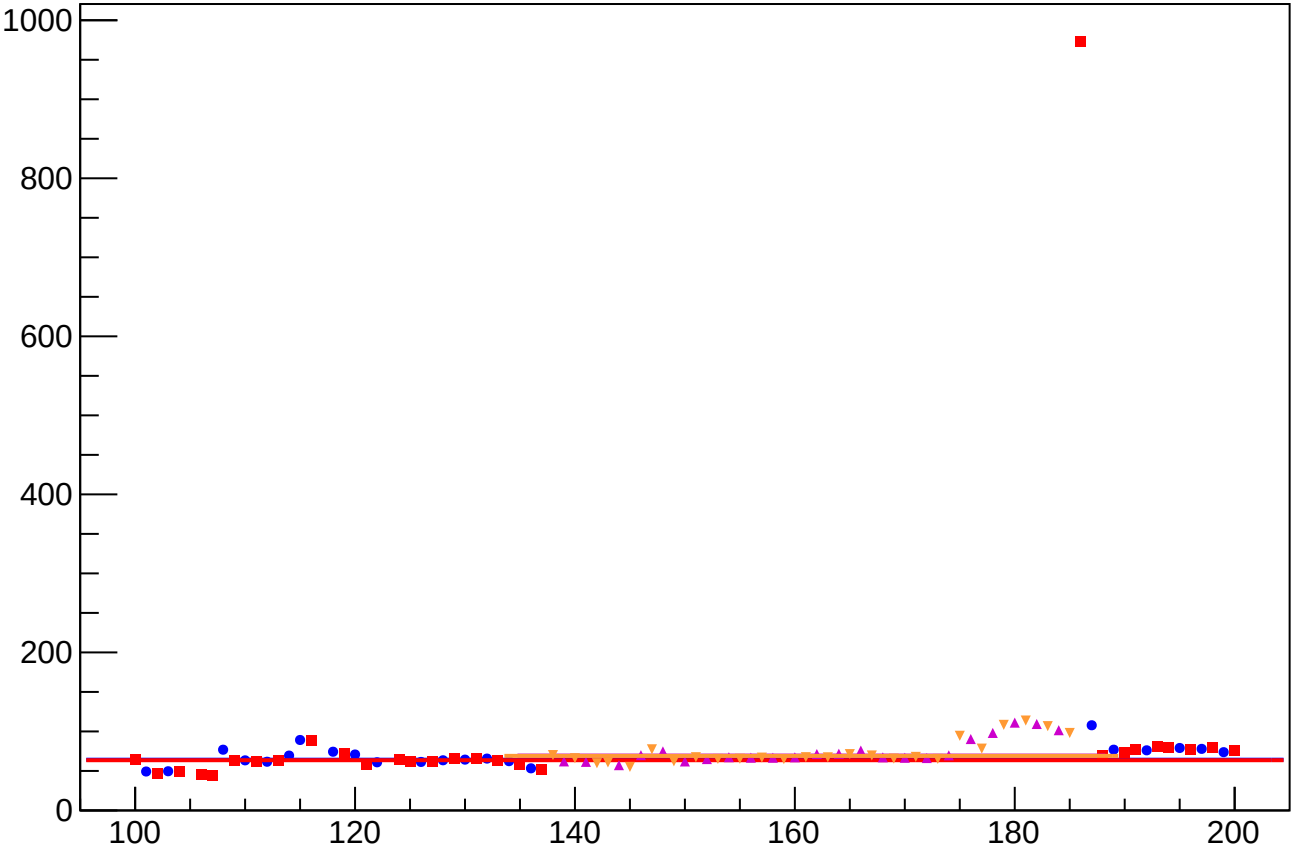
Right: 44.127+/-13.112 χ^2/NDF: 66.0/49

In: 30.453+/-12.543 χ^2/NDF:43.5/44

Out: 28.518+/-11.910 χ^2/NDF:73.4/52

All: 29.435+/-8.637 χ^2/NDF: 116.9/97

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.229+/-0.014 χ^2/NDF: 650123.8/21

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

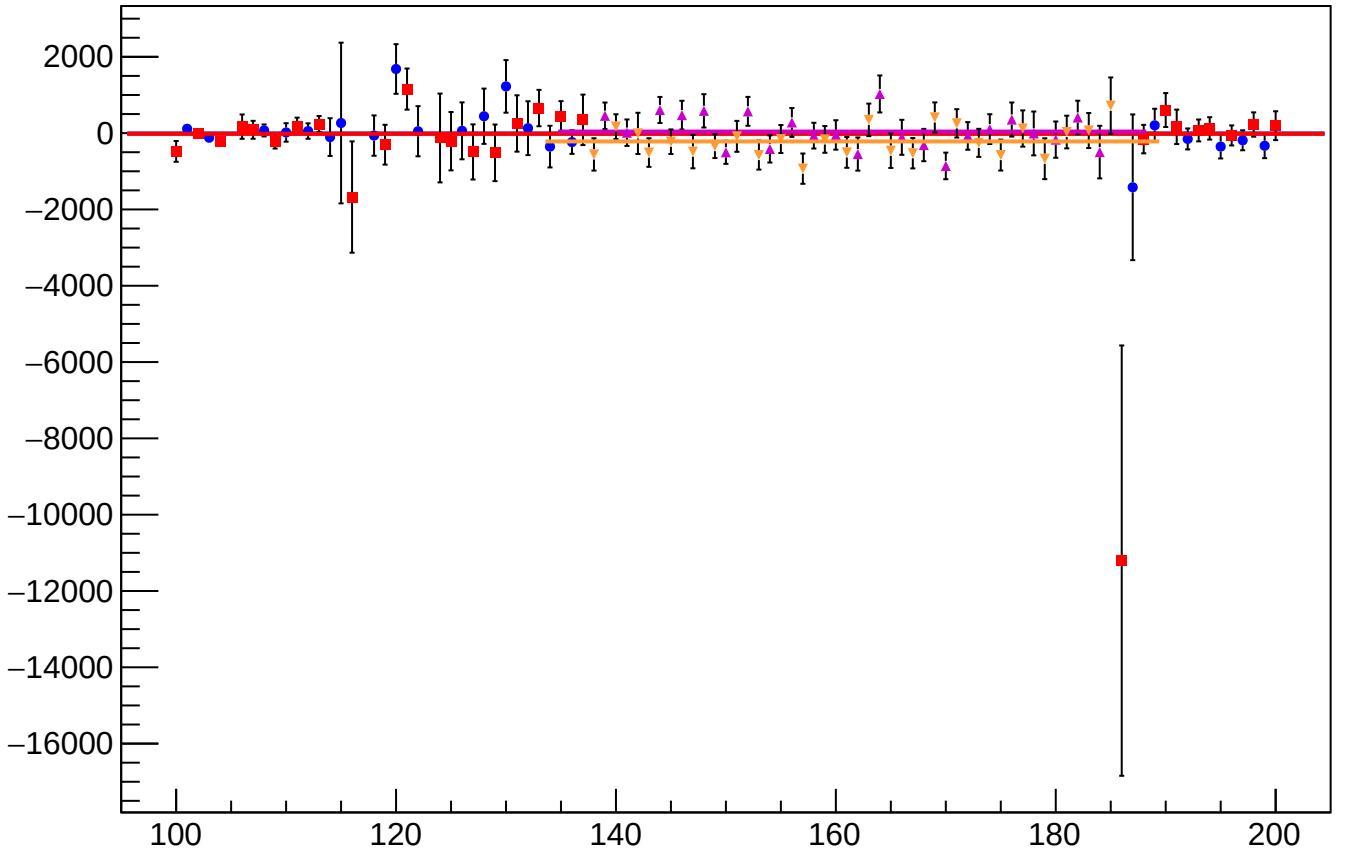
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 63.882+/-0.009 χ^2/NDF: 2212430.6/49

In: 67.237+/-0.009 χ^2/NDF:1658833.8/44

Out: 66.638+/-0.008 χ^2/NDF:2740151.9/52

All: 66.922+/-0.006 χ^2/NDF: 4401386.1/97



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

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

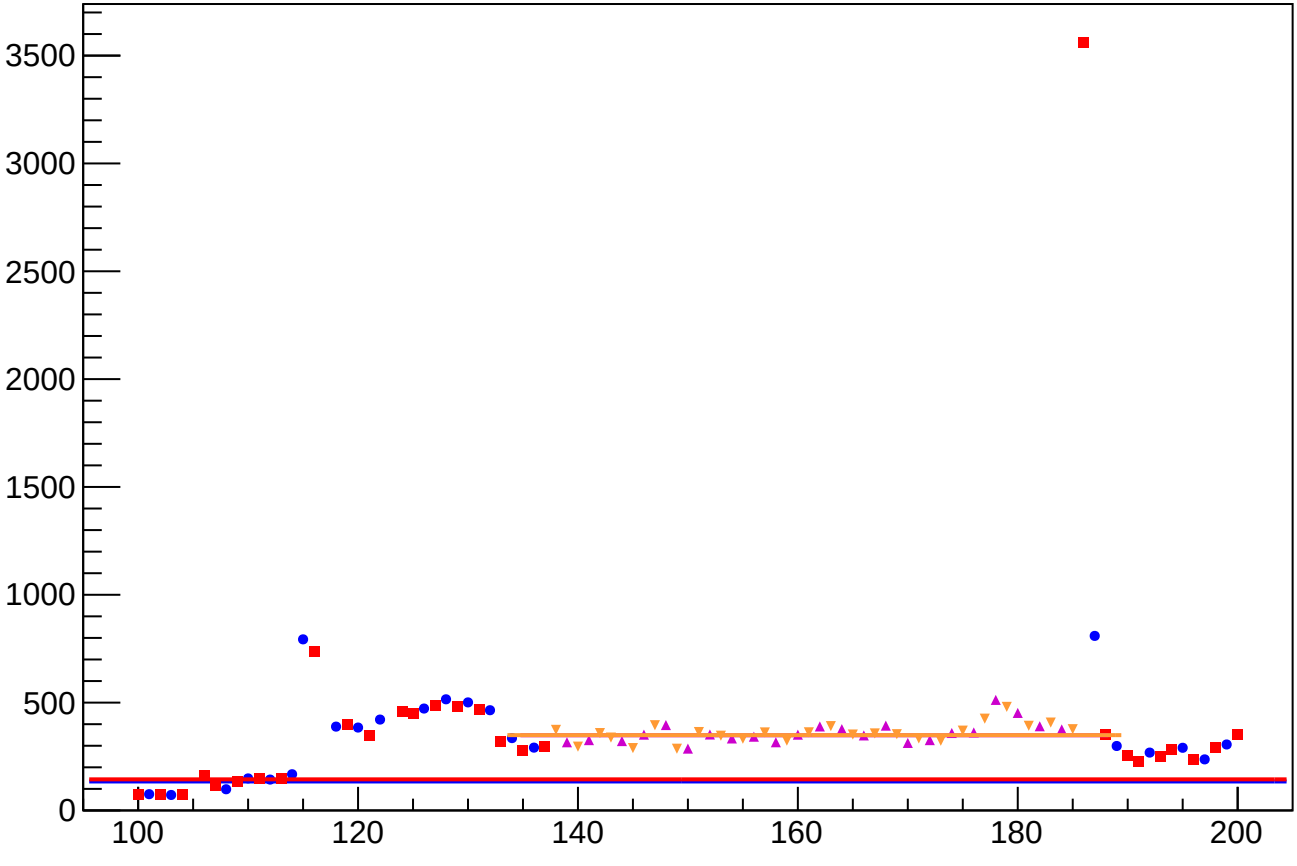
Right: -13.809+/-34.774 χ^2/NDF: 47.9/49

In: 4.683+/-42.669 χ^2/NDF:48.9/44

Out: -71.749+/-41.478 χ^2/NDF:53.0/52

All: -34.615+/-29.741 χ^2/NDF: 103.6/97

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 134.376+/-0.035 χ^2/NDF: 8306343.7/21

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

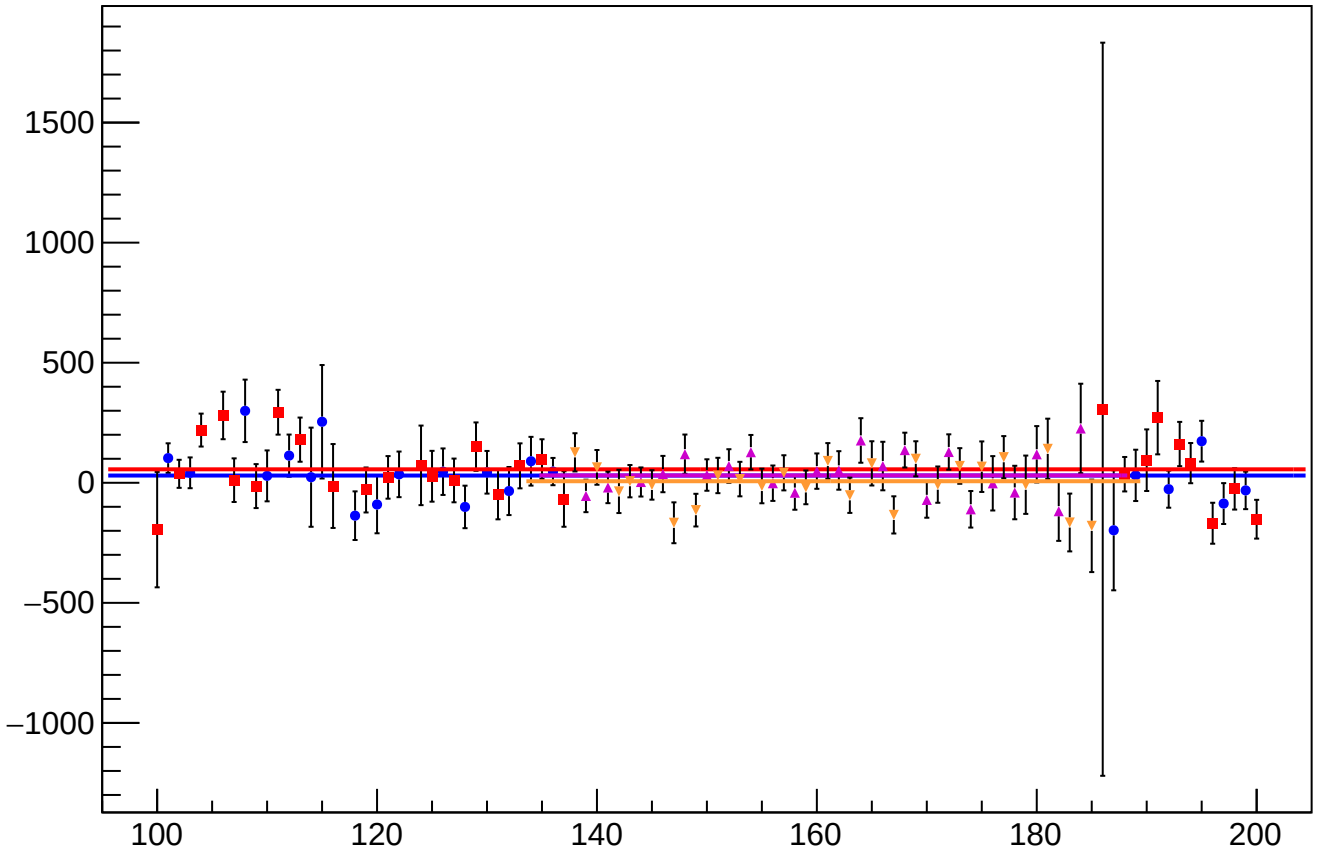
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 139.444+/-0.025 χ^2/NDF: 17573232.6/49

In: 192.011+/-0.030 χ^2/NDF:18743369.9/44

Out: 199.135+/-0.029 χ^2/NDF:19328784.5/52

All: 195.674+/-0.021 χ^2/NDF: 38100820.2/97



Right In: 30.167+/-19.301 χ^2/NDF: 21.0/21

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

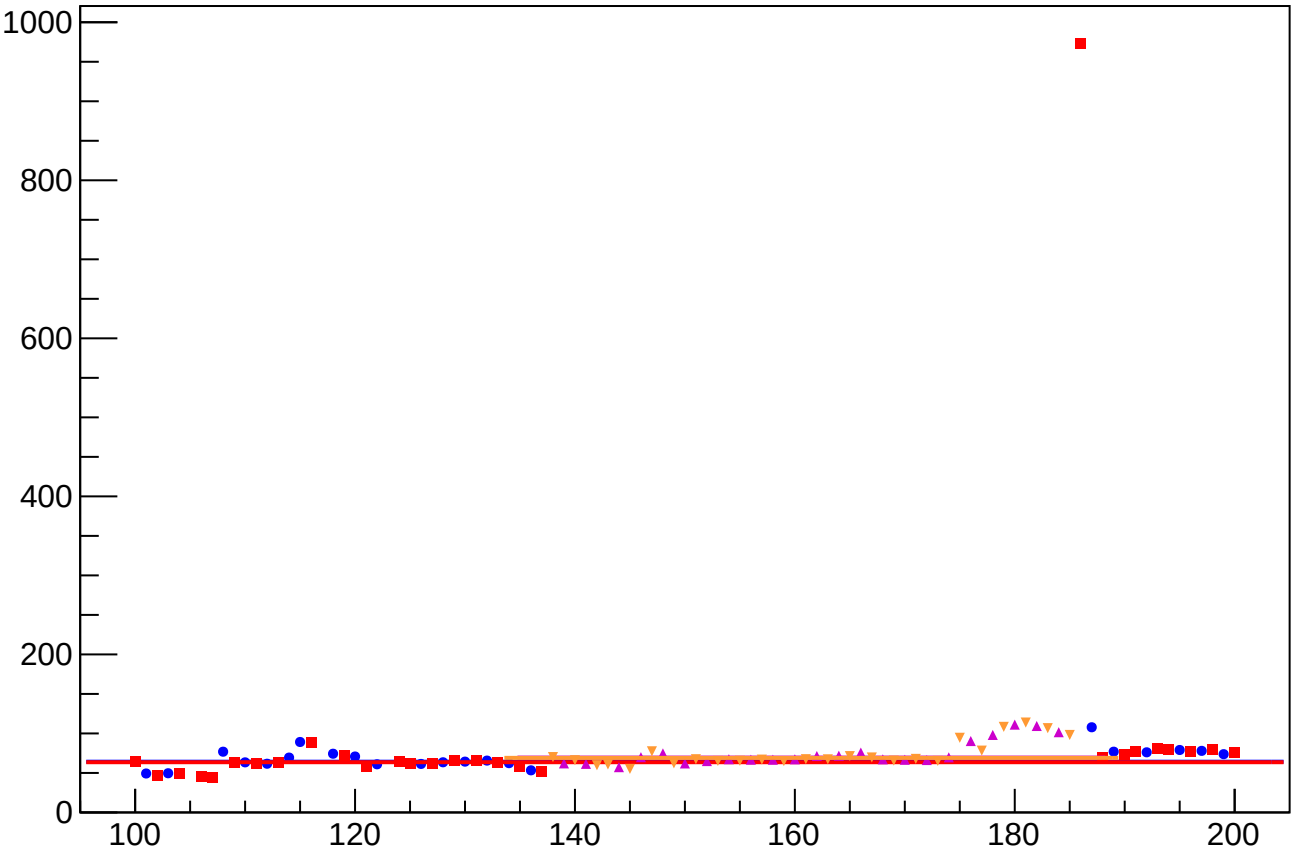
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 44.127+/-13.112 χ^2/NDF: 66.0/49

In: 30.453+/-12.543 χ^2/NDF:43.5/44

Out: 28.518+/-11.910 χ^2/NDF:73.4/52

All: 29.435+/-8.637 χ^2/NDF: 116.9/97



Right In: 64.229+/-0.014 χ^2/NDF: 650123.3/21

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

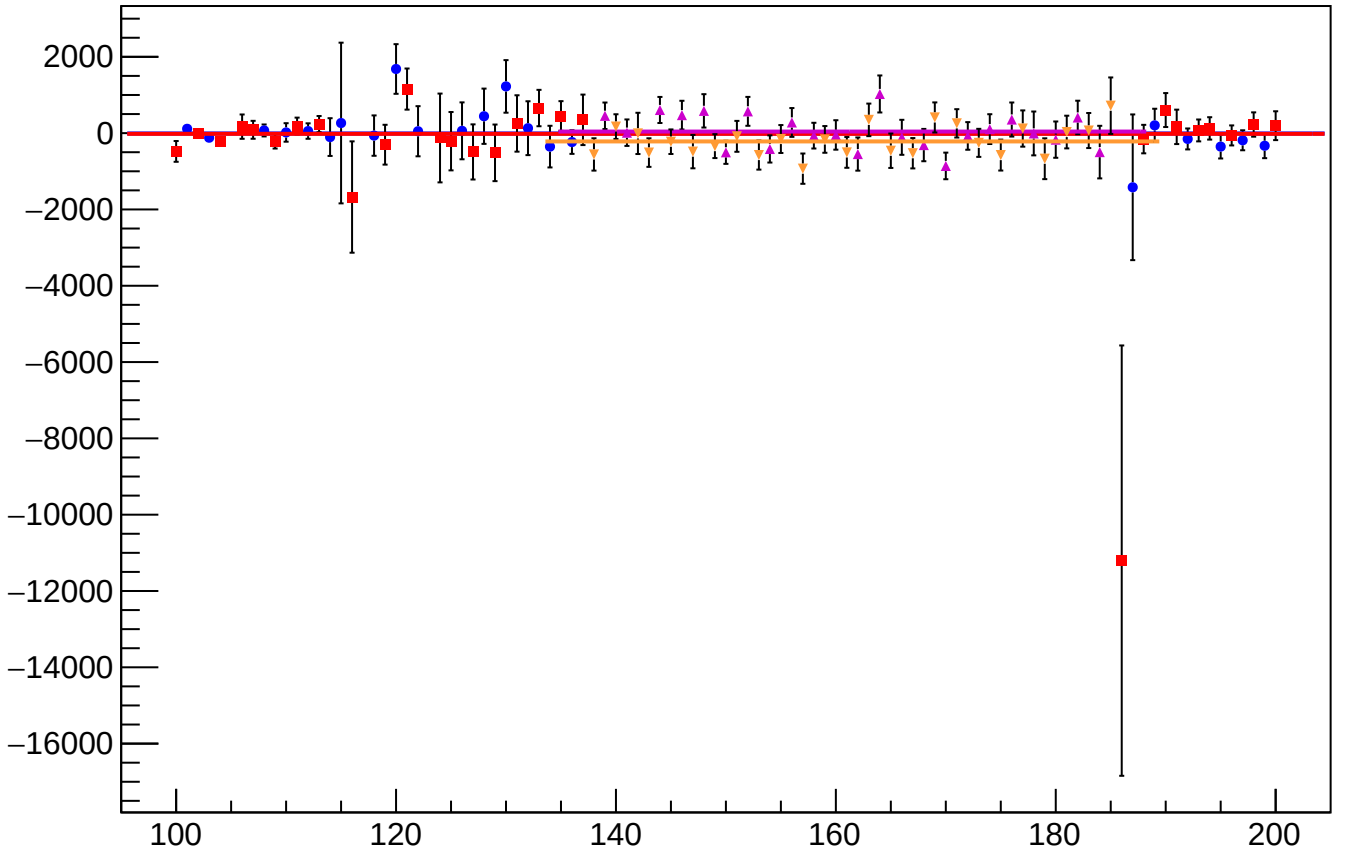
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 63.882+/-0.009 χ^2/NDF: 2212427.9/49

In: 67.237+/-0.009 χ^2/NDF:1658824.9/44

Out: 66.638+/-0.008 χ^2/NDF:2740138.0/52

All: 66.922+/-0.006 χ^2/NDF: 4401363.5/97



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

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

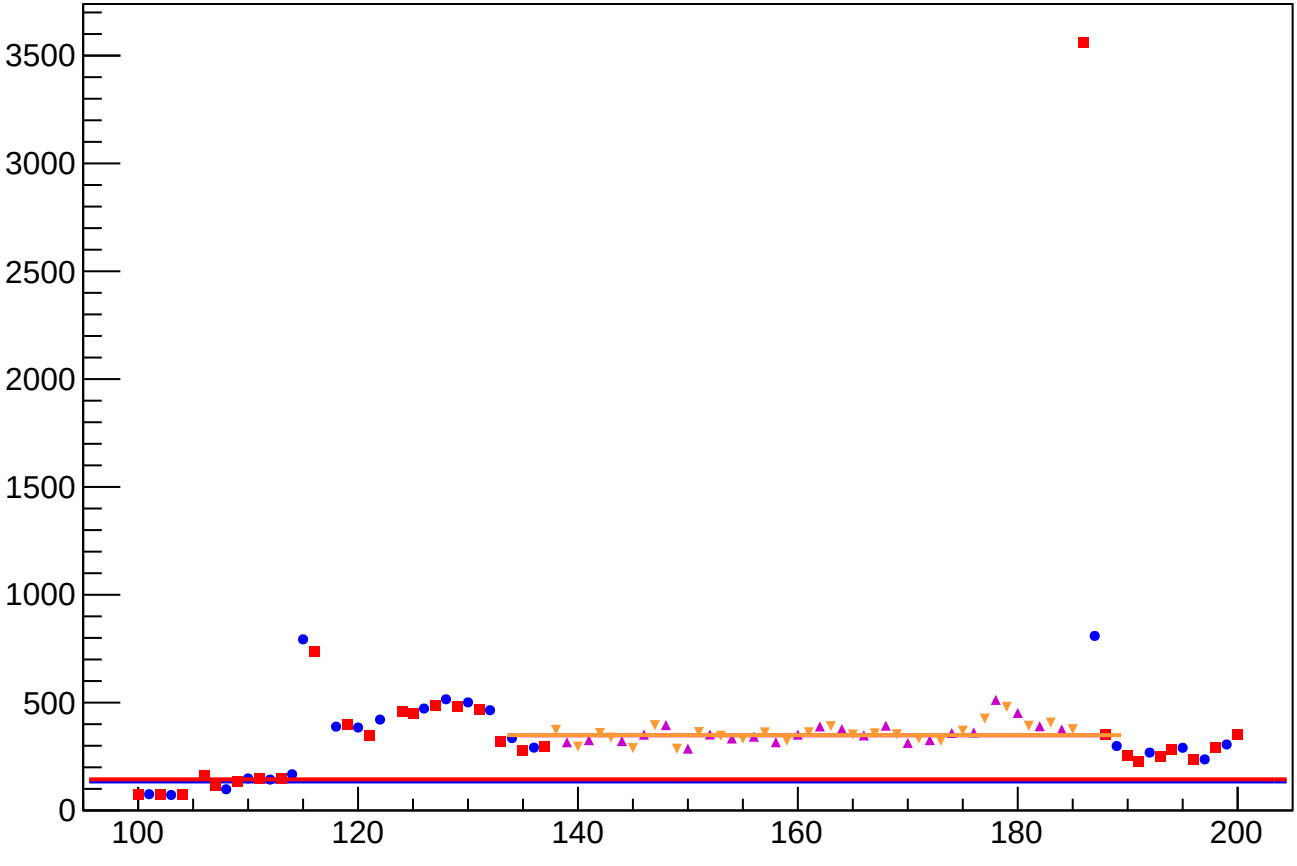
Right: -13.809+/-34.774 χ^2/NDF: 47.9/49

In: 4.683+/-42.669 χ^2/NDF:48.9/44

Out: -71.748+/-41.478 χ^2/NDF:53.0/52

All: -34.615+/-29.741 χ^2/NDF: 103.6/97

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 134.376+/-0.035 χ^2/NDF: 8306352.4/21

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

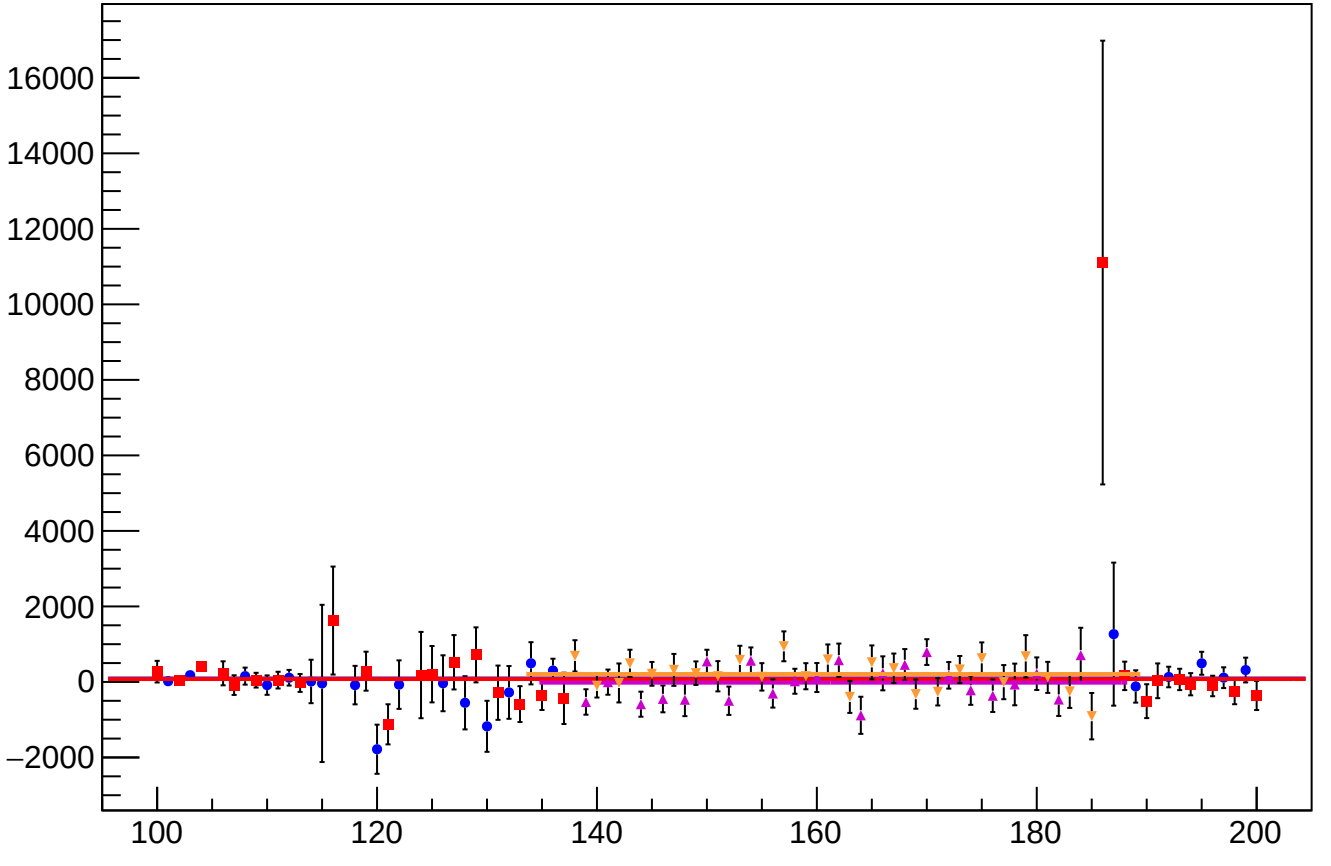
Right: 139.444+/-0.025 χ^2/NDF: 17573276.2/49

In: 192.010+/-0.030 χ^2/NDF:18743438.7/44

Out: 199.134+/-0.029 χ^2/NDF:19328891.8/52

All: 195.673+/-0.021 χ^2/NDF: 38100995.4/97

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 90.356+/-54.376 χ^2/NDF: 18.8/21

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

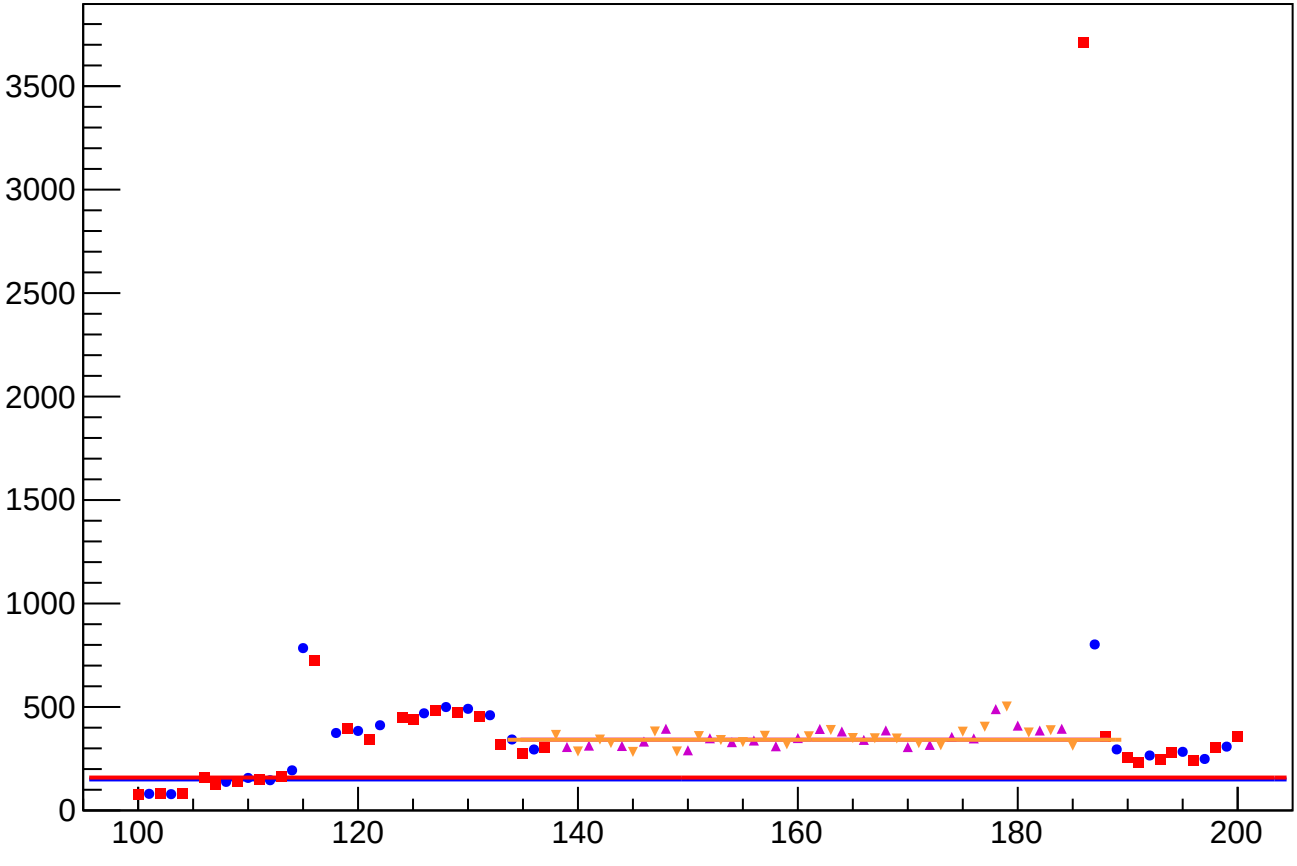
Right: 83.653+/-37.623 χ^2/NDF: 48.8/49

In: 56.291+/-45.094 χ^2/NDF:52.1/44

Out: 117.962+/-43.417 χ^2/NDF:53.4/52

All: 88.295+/-31.277 χ^2/NDF: 106.4/97

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 149.837+/-0.038 χ^2/NDF: 7482006.6/21

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

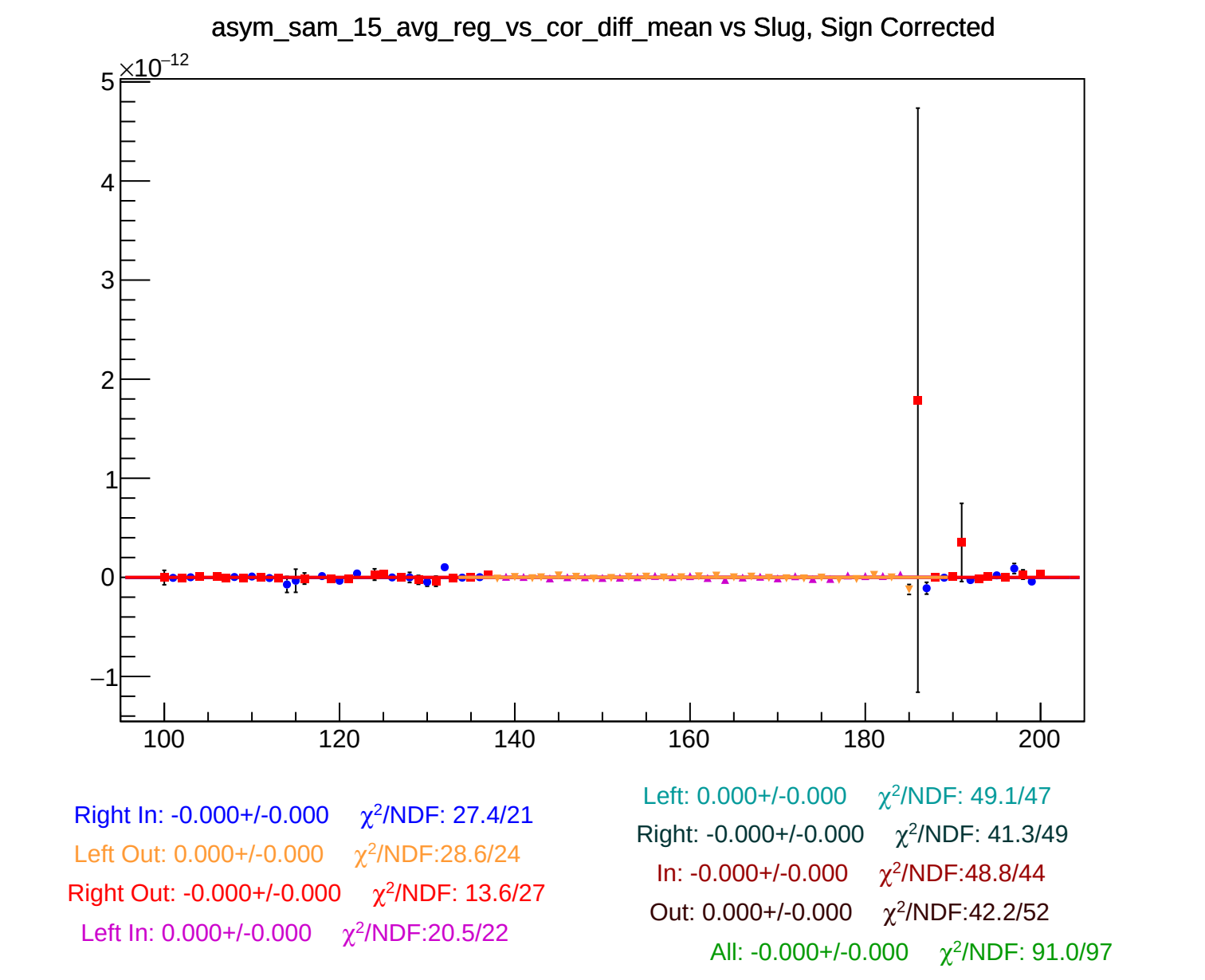
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

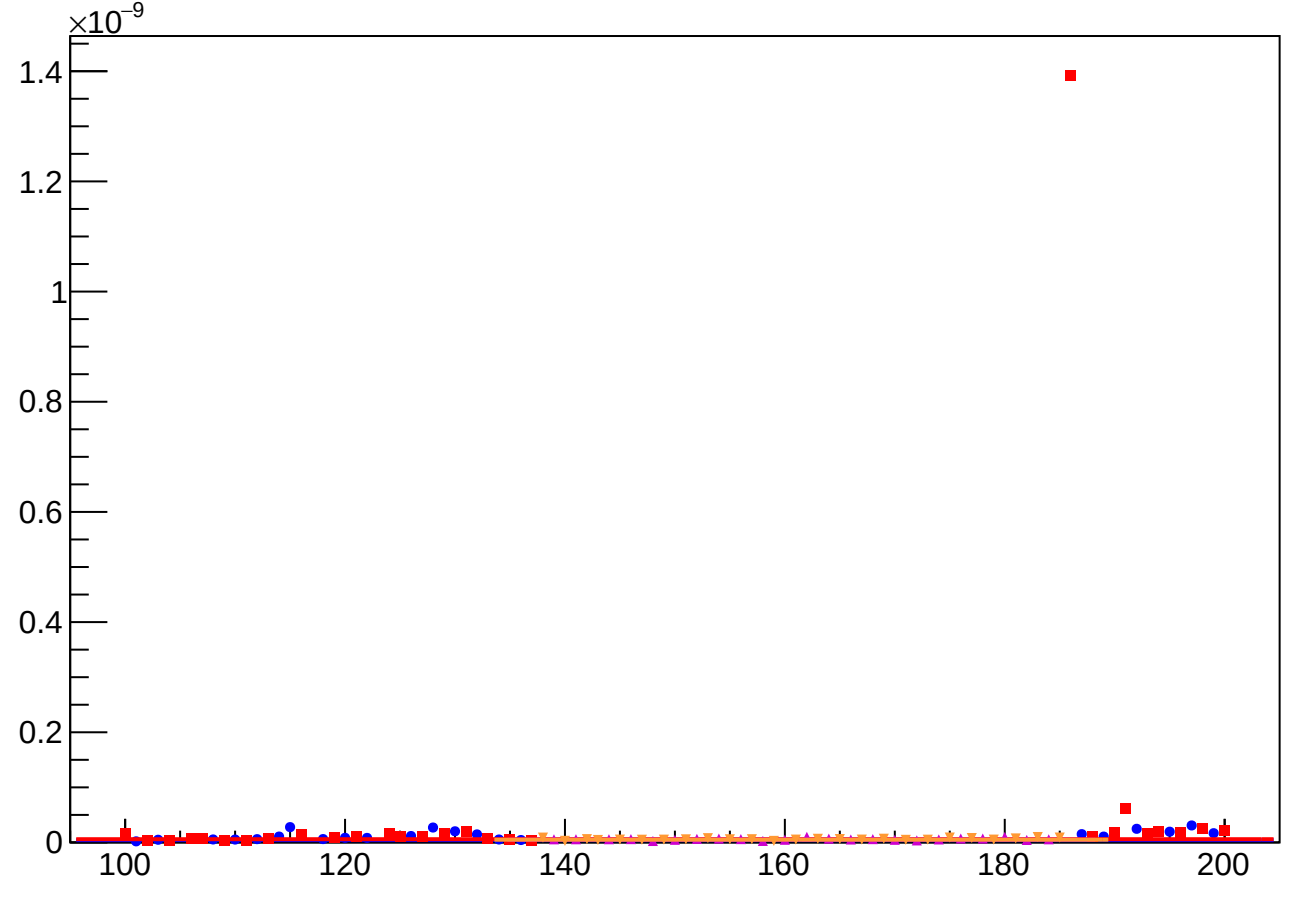
Right: 154.625+/-0.027 χ^2/NDF: 15747784.0/49

In: 209.822+/-0.032 χ^2/NDF:15762285.8/44

Out: 214.853+/-0.031 χ^2/NDF:16297227.2/52

All: 212.433+/-0.022 χ^2/NDF: 32072430.1/97


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: 27.4/21
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: 41.3/49
In: -0.000+/-0.000 χ²/NDF:48.8/44
Out: 0.000+/-0.000 χ²/NDF:42.2/52
All: -0.000+/-0.000 χ²/NDF: 91.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4511239.6/21

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

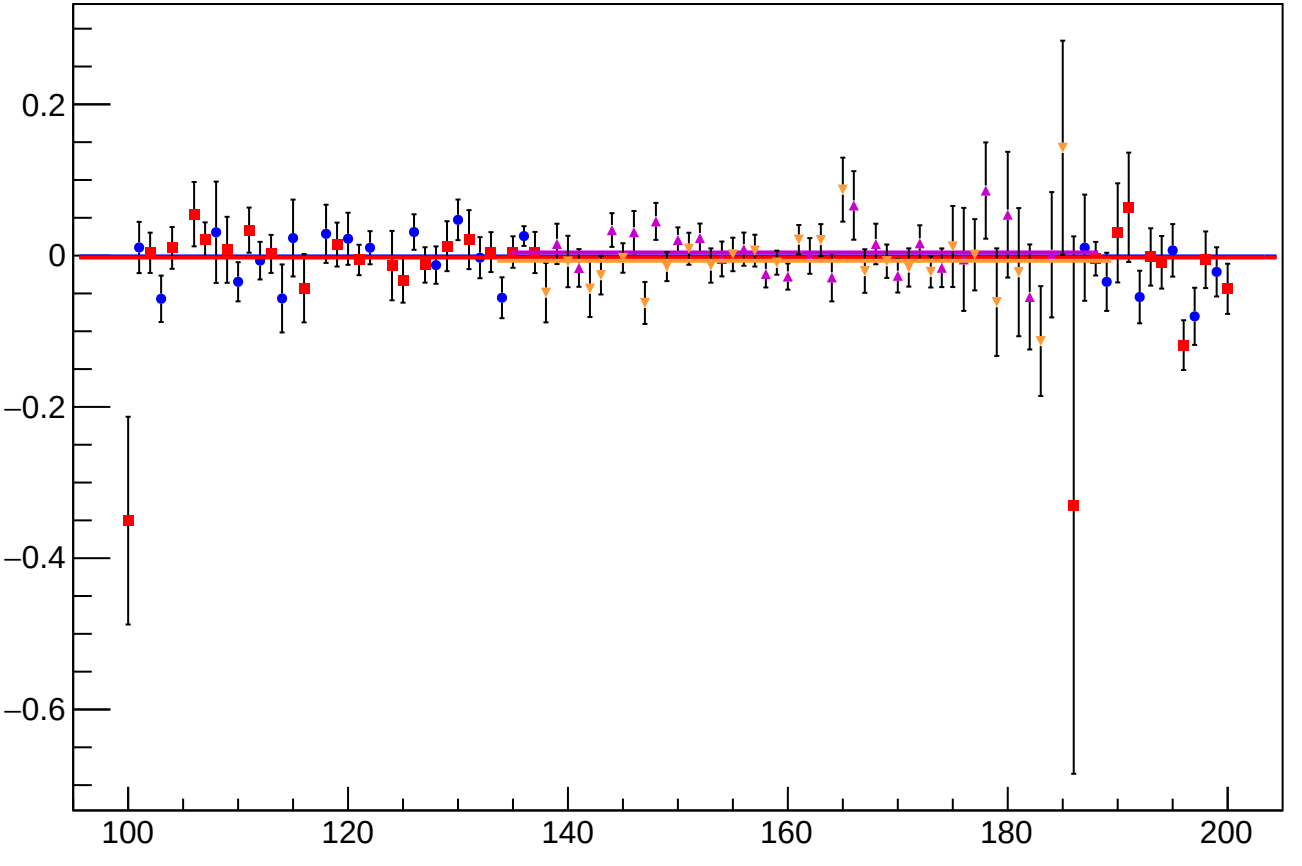
Right: 0.000+/-0.000 χ^2/NDF: 8930854.2/49

In: 0.000+/-0.000 χ^2/NDF:5866814.0/44

Out: 0.000+/-0.000 χ^2/NDF:5438680.5/52

All: 0.000+/-0.000 χ^2/NDF: 11460546.0/97

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

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

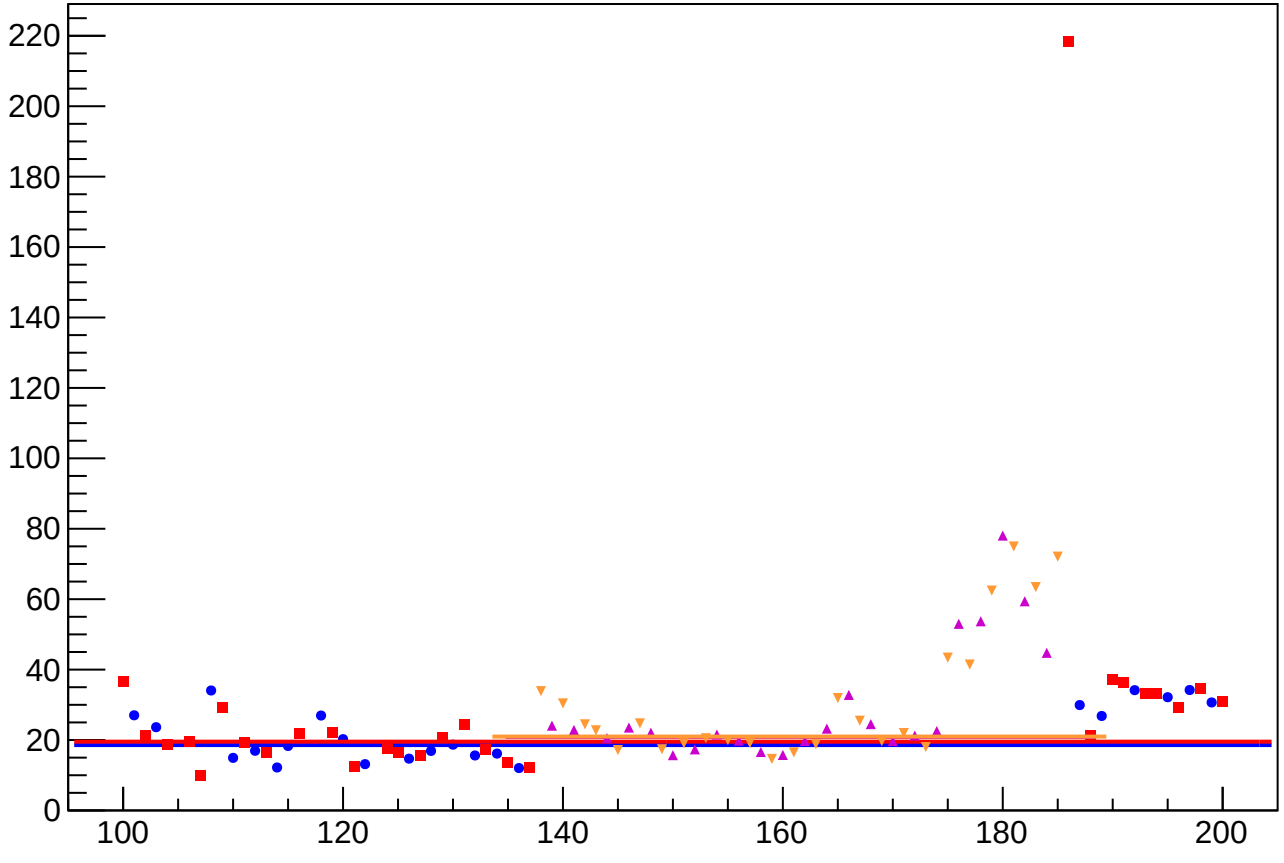
Right: -0.002+/-0.004 χ^2/NDF: 60.6/49

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 107.8/97

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

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

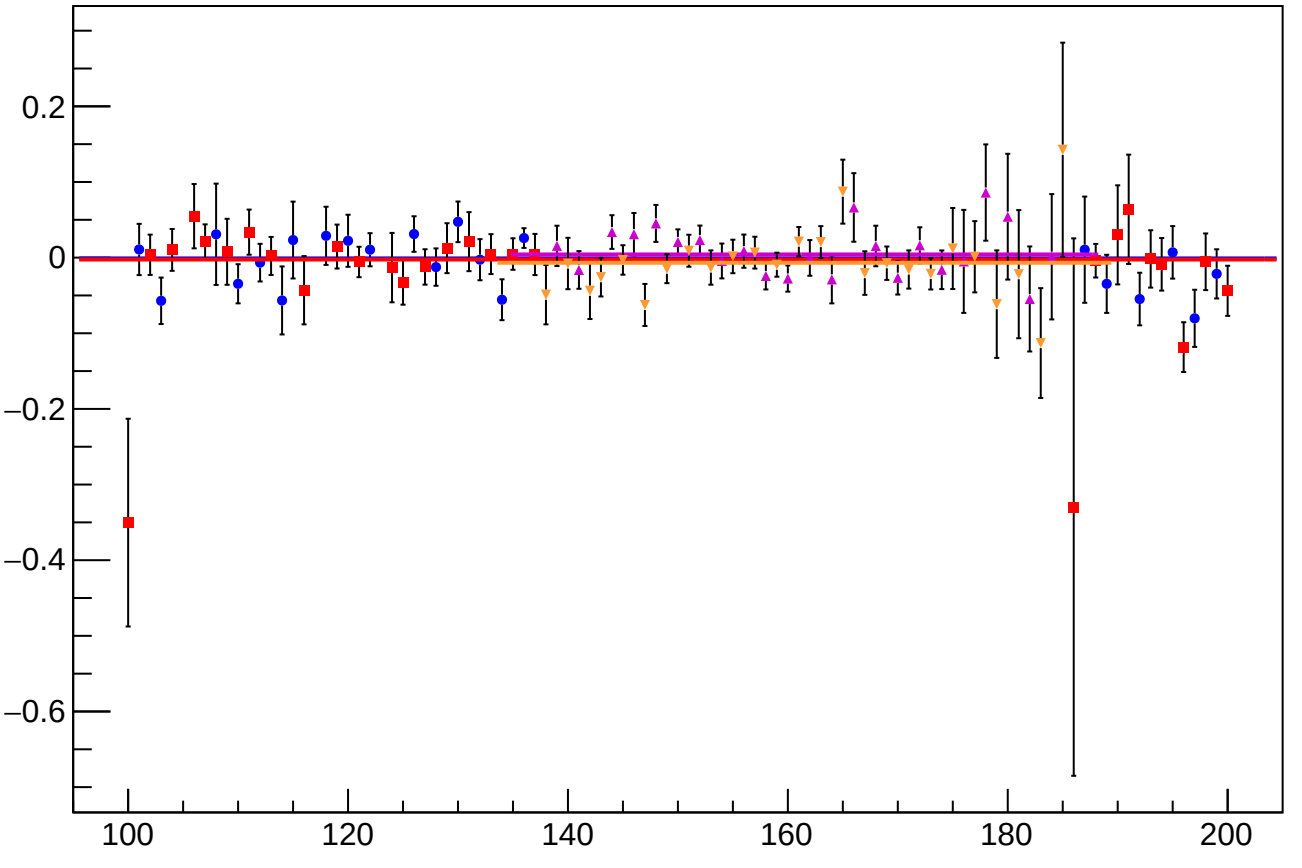
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.068+/-0.003 χ^2/NDF: 6111687.4/49

In: 19.869+/-0.003 χ^2/NDF:6374082.2/44

Out: 20.342+/-0.003 χ^2/NDF:7945036.3/52

All: 20.111+/-0.002 χ^2/NDF: 14333604.2/97



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

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

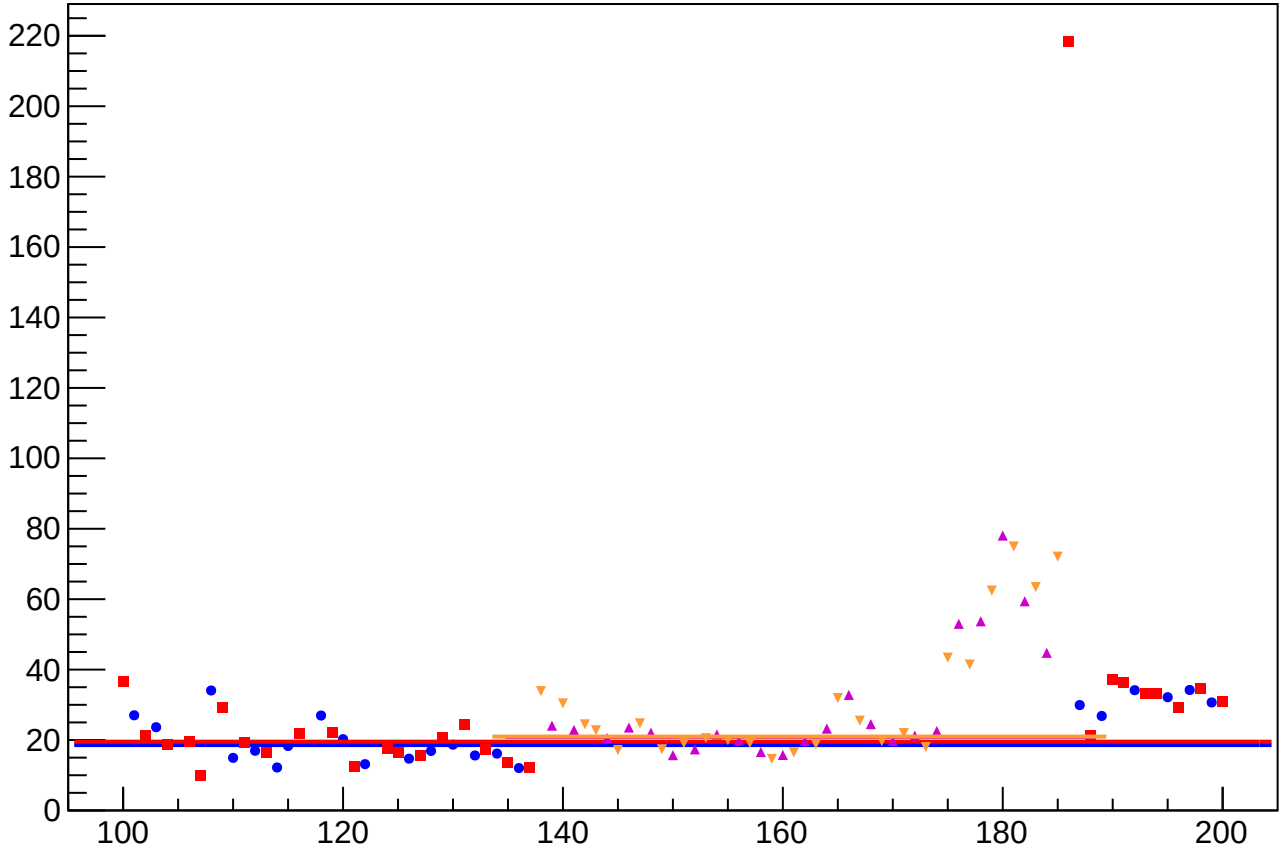
Right: -0.002+/-0.004 χ^2/NDF: 60.6/49

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 107.8/97

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

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

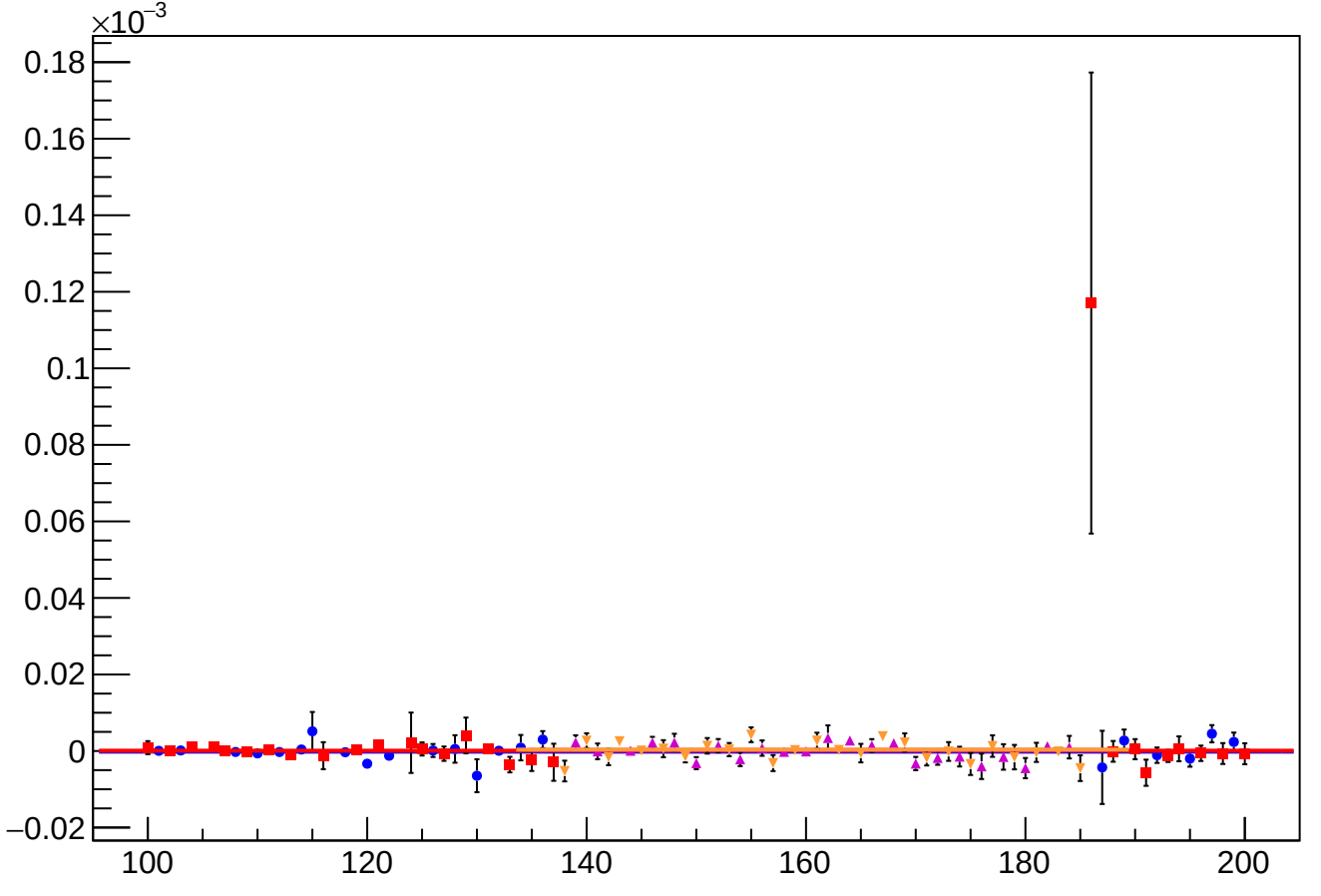
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.068+/-0.003 χ^2/NDF: 6111687.4/49

In: 19.869+/-0.003 χ^2/NDF:6374082.2/44

Out: 20.342+/-0.003 χ^2/NDF:7945036.3/52

All: 20.111+/-0.002 χ^2/NDF: 14333604.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/21

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

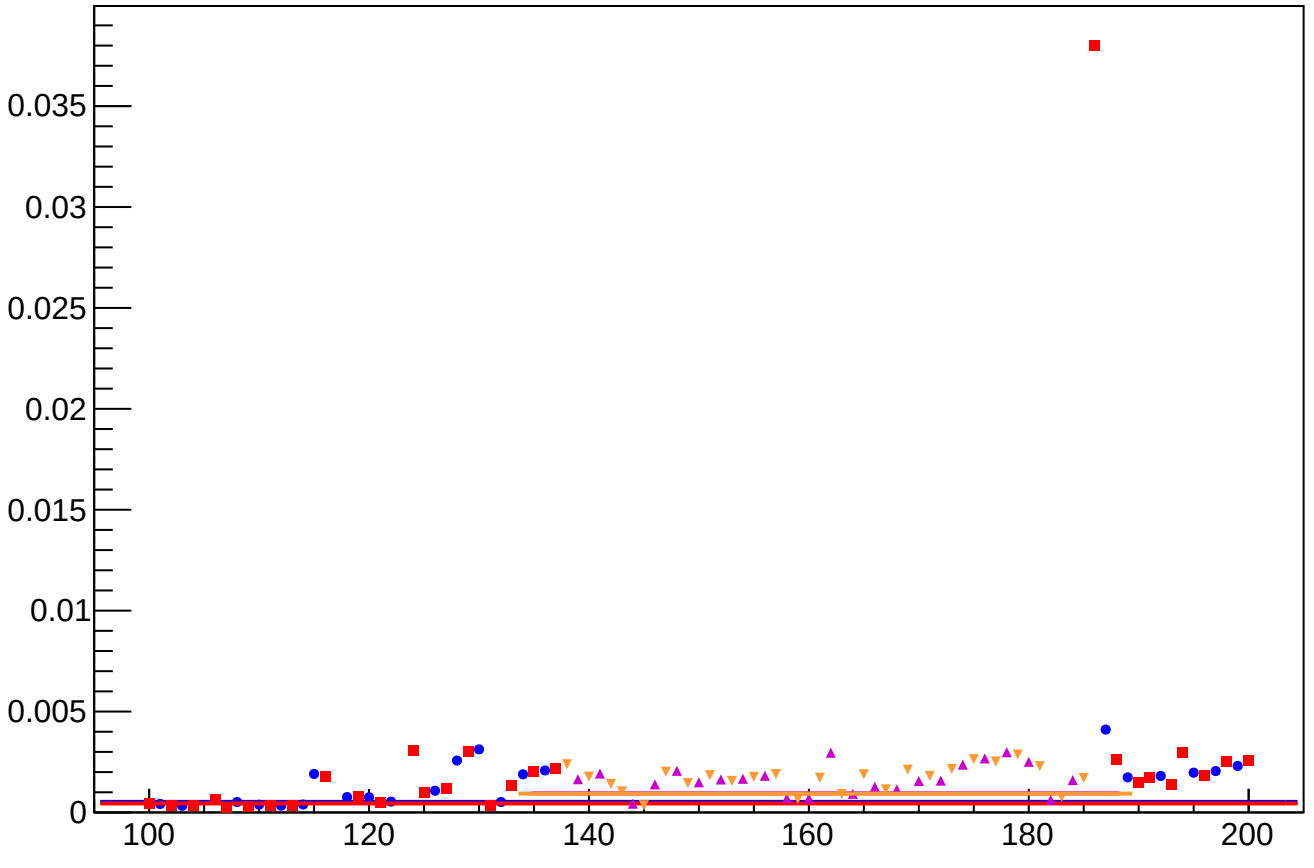
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.9/49

In: -0.000+/-0.000 χ^2/NDF:55.4/44

Out: 0.000+/-0.000 χ^2/NDF:63.0/52

All: 0.000+/-0.000 χ^2/NDF: 119.0/97



Right In: 0.001+/-0.000 χ^2/NDF: 8546038.6/21

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12120474.3/27

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

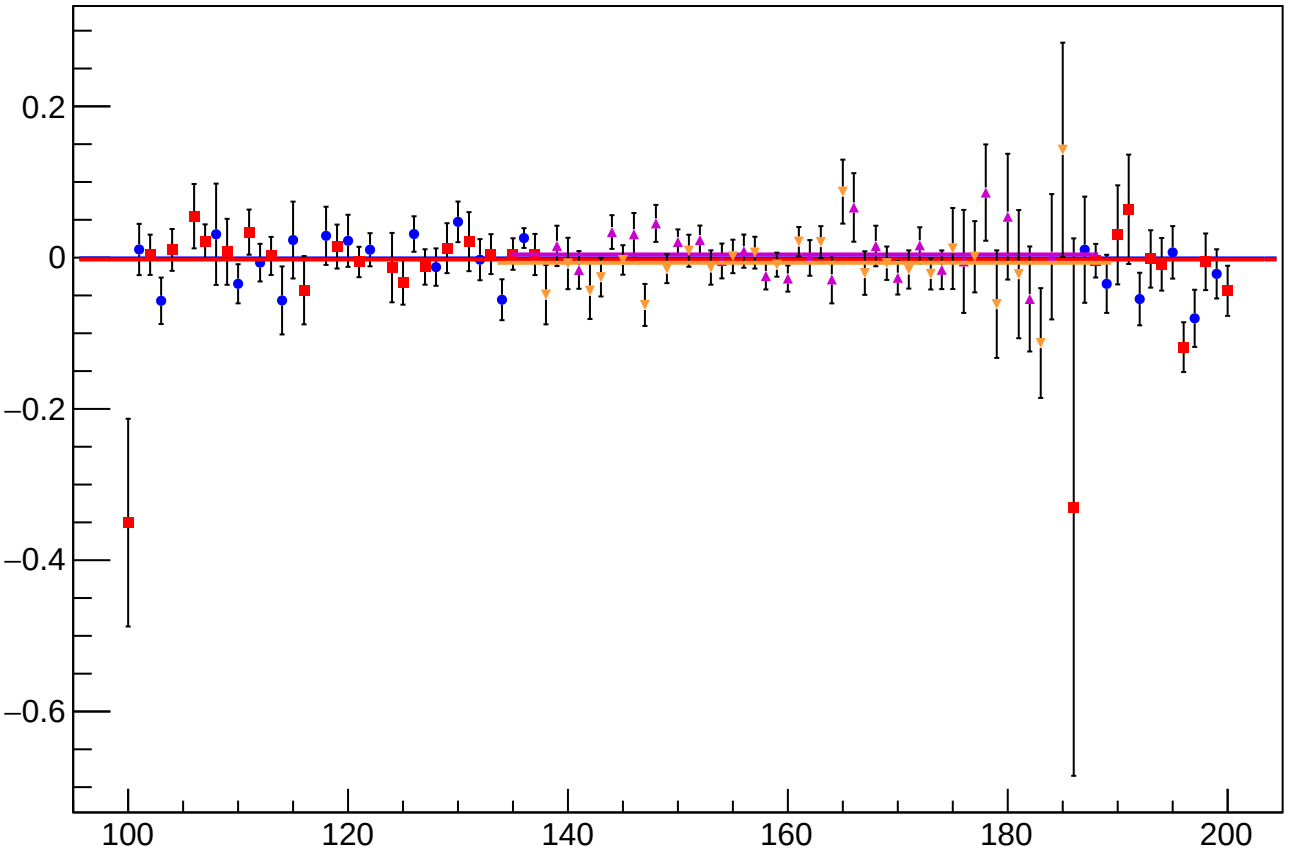
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20841470.1/49

In: 0.001+/-0.000 χ^2/NDF:21268627.0/44

Out: 0.001+/-0.000 χ^2/NDF:29019191.6/52

All: 0.001+/-0.000 χ^2/NDF: 50662989.4/97



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

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

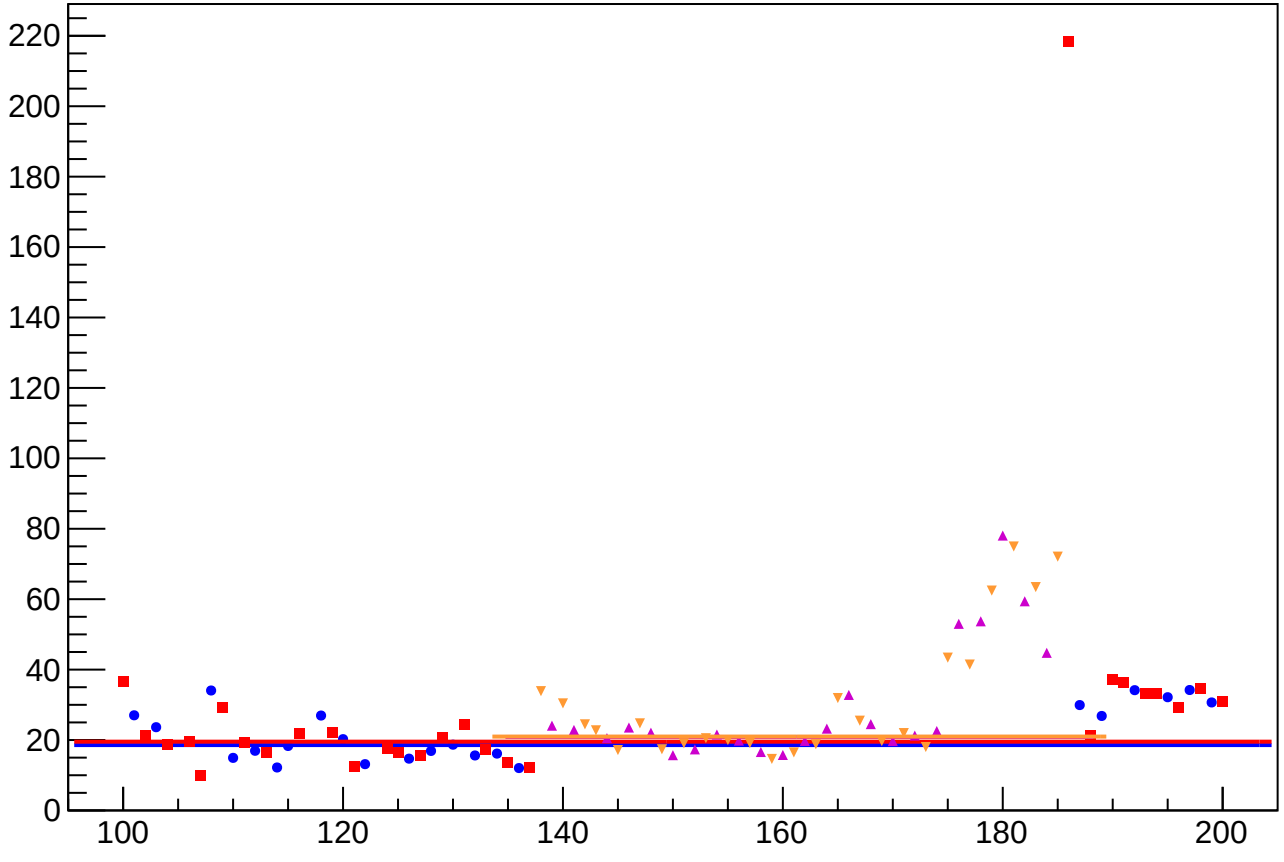
Right: -0.002+/-0.004 χ^2/NDF: 60.6/49

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 107.8/97

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

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

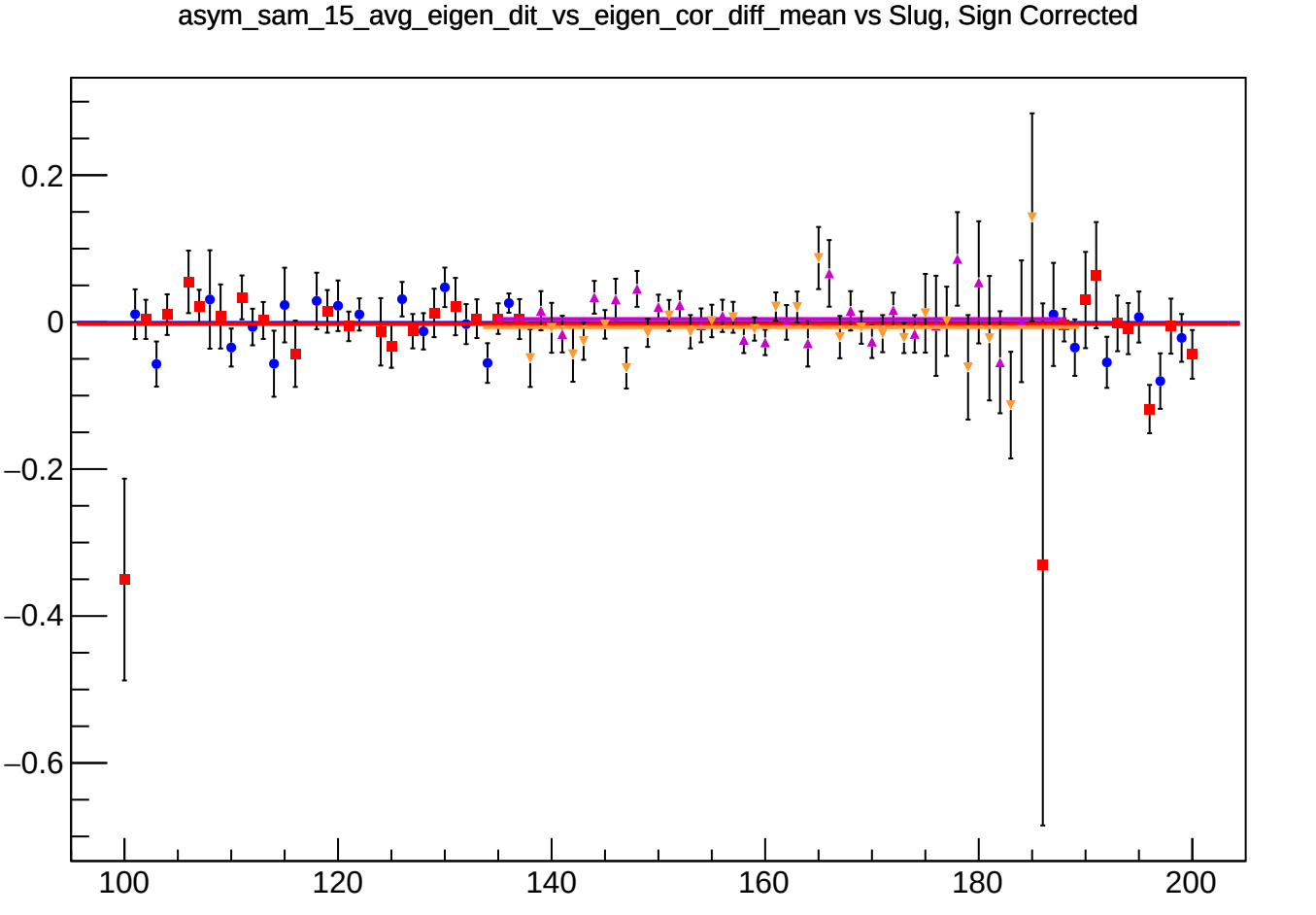
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.068+/-0.003 χ^2/NDF: 6111728.6/49

In: 19.869+/-0.003 χ^2/NDF:6374181.9/44

Out: 20.342+/-0.003 χ^2/NDF:7945071.7/52

All: 20.111+/-0.002 χ^2/NDF: 14333740.1/97



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

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

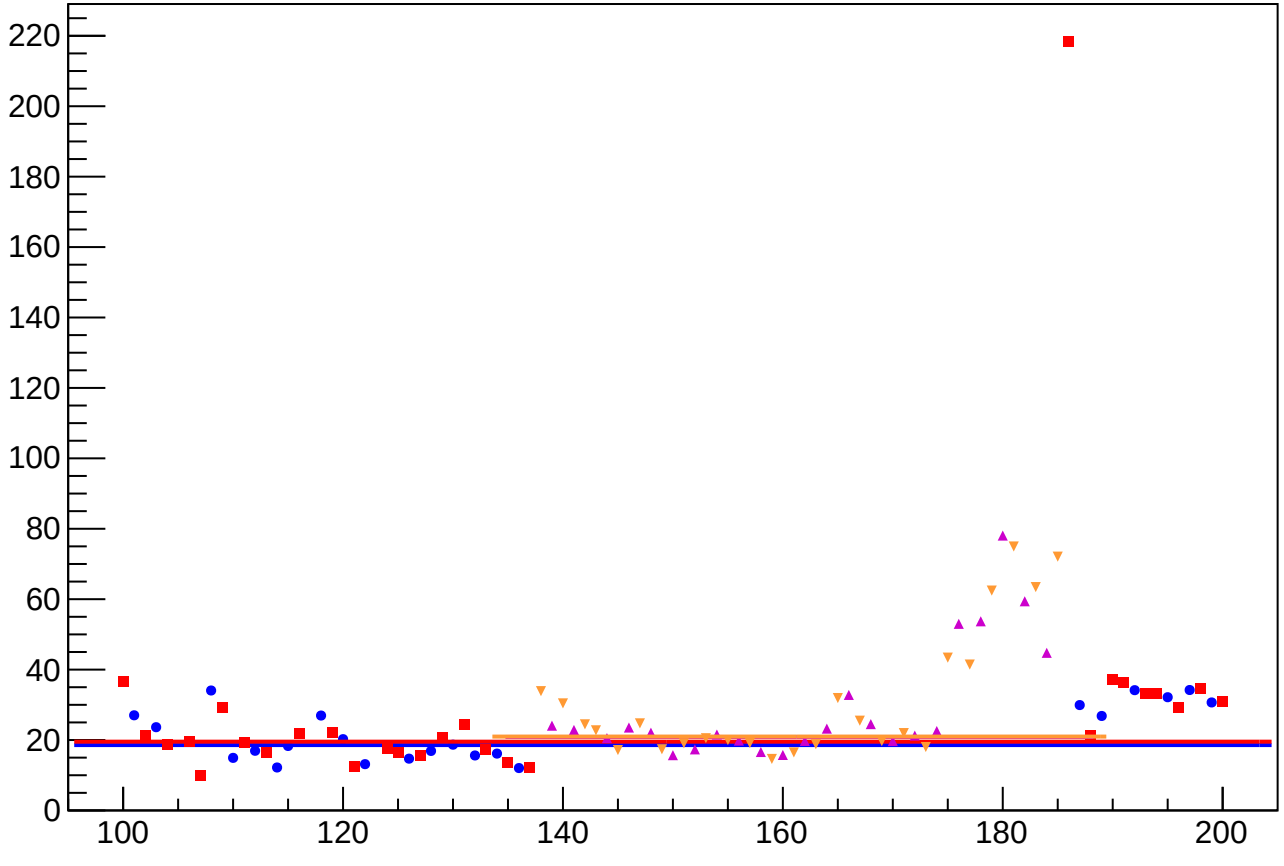
Right: -0.002+/-0.004 χ^2/NDF: 60.6/49

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.005+/-0.004 χ^2/NDF:52.4/52

All: -0.002+/-0.003 χ^2/NDF: 107.8/97

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

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

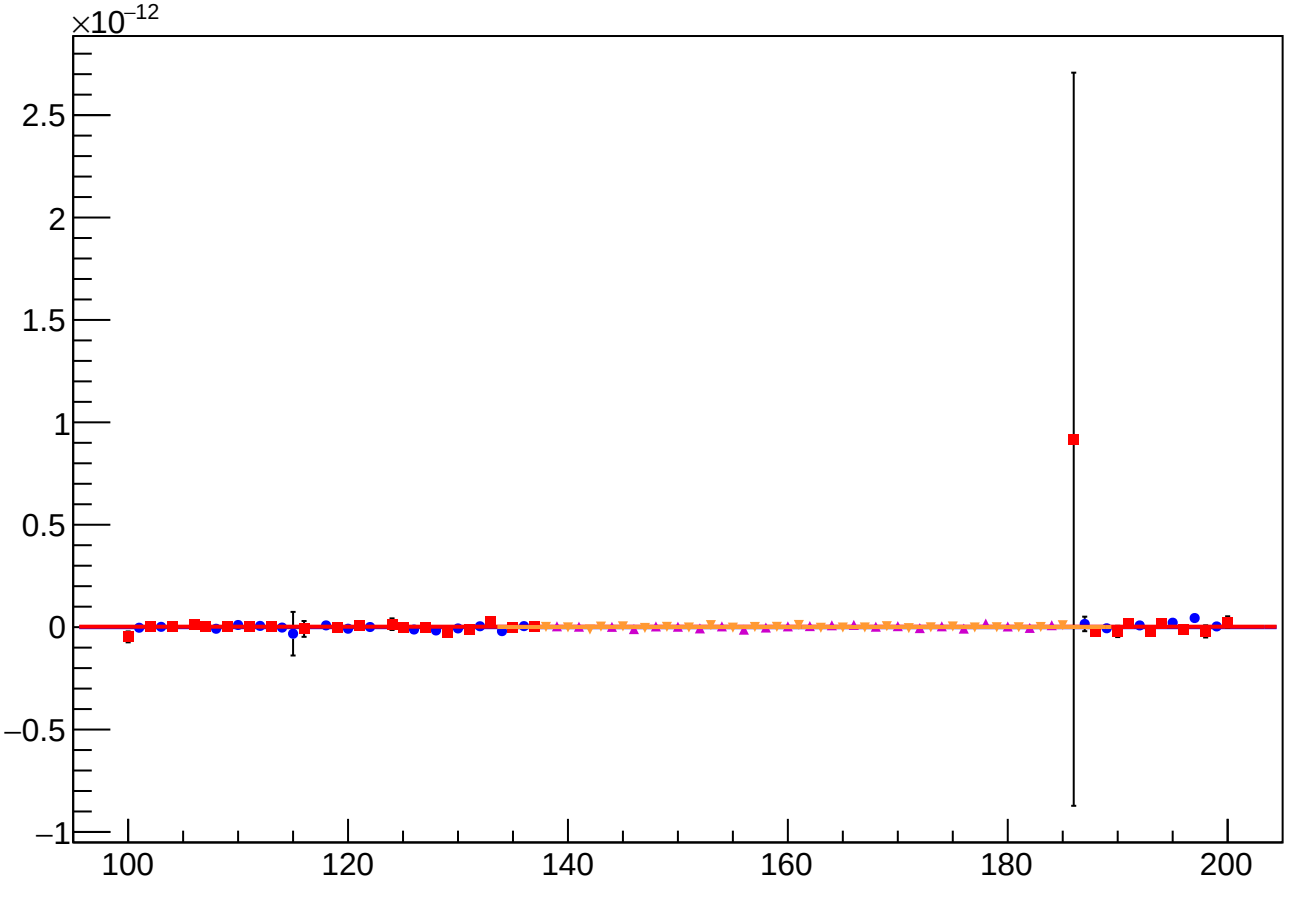
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.068+/-0.003 χ^2/NDF: 6111728.6/49

In: 19.869+/-0.003 χ^2/NDF:6374181.9/44

Out: 20.342+/-0.003 χ^2/NDF:7945071.7/52

All: 20.111+/-0.002 χ^2/NDF: 14333740.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

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

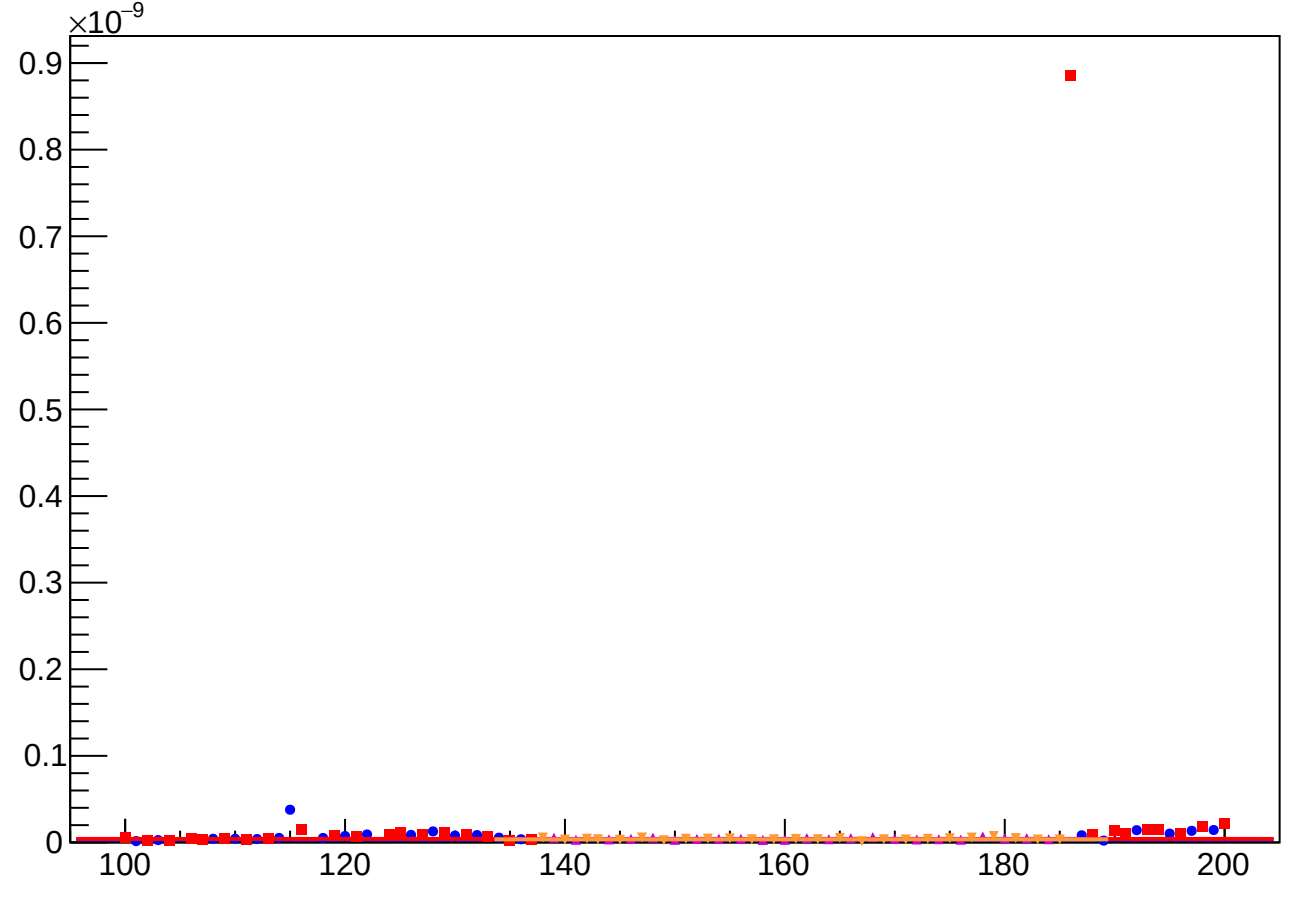
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 41.8/49

In: 0.000+/-0.000 χ^2/NDF:45.2/44

Out: 0.000+/-0.000 χ^2/NDF:37.5/52

All: 0.000+/-0.000 χ^2/NDF: 82.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5135198.0/21

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

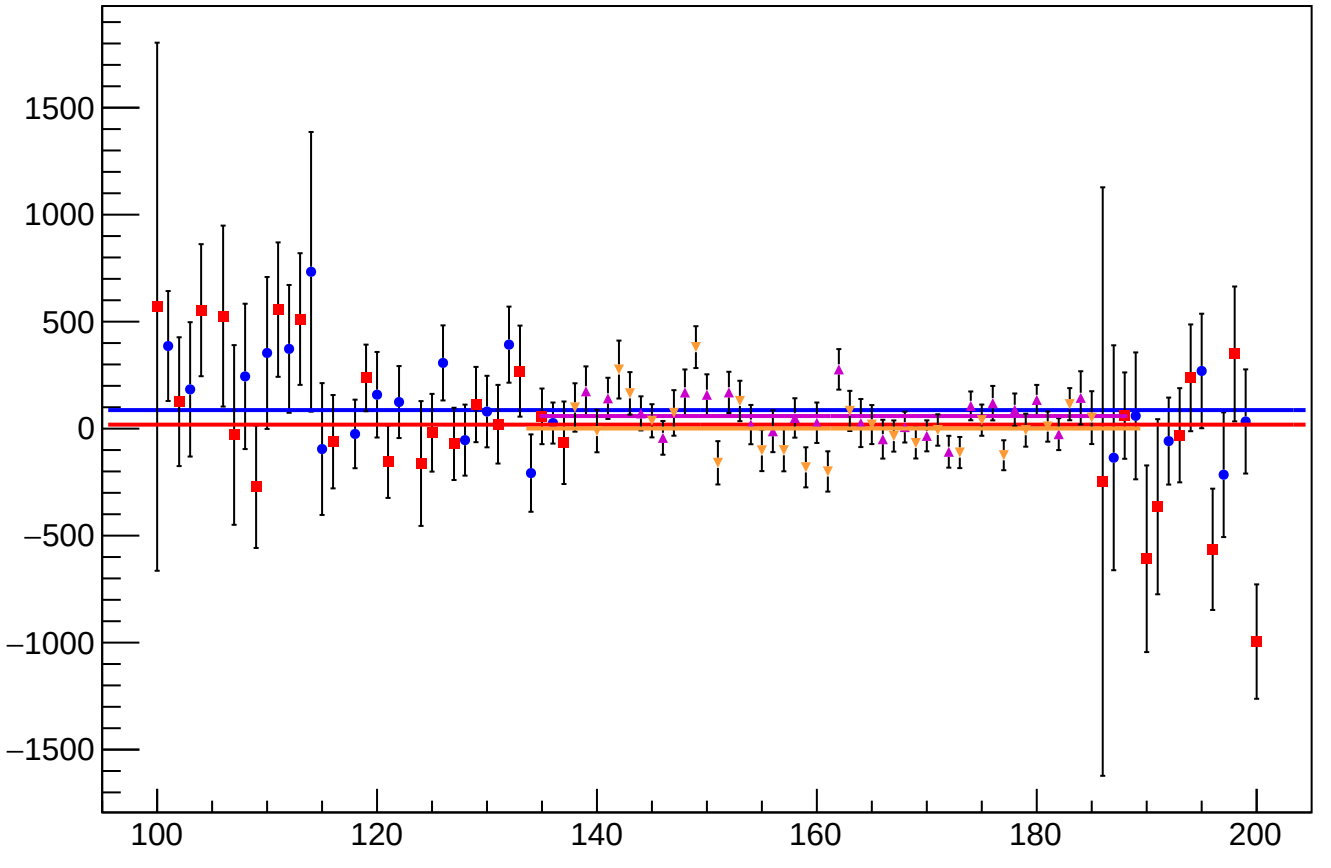
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11993666.4/49

In: 0.000+/-0.000 χ^2/NDF:6547487.5/44

Out: 0.000+/-0.000 χ^2/NDF:9292828.9/52

All: 0.000+/-0.000 χ^2/NDF: 15840470.5/97



Right In: 86.683+/-43.744 χ^2/NDF: 15.7/21

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

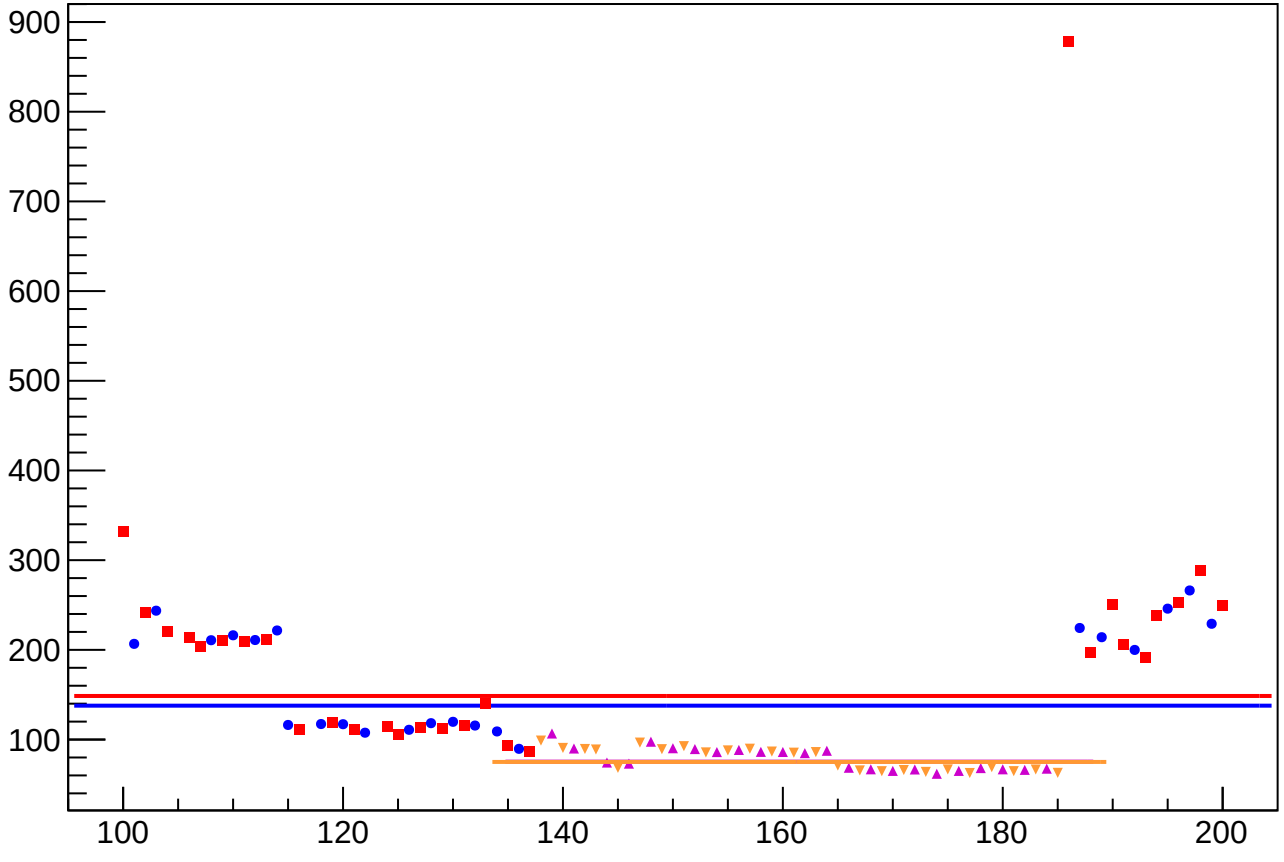
Right: 52.752+/-30.963 χ^2/NDF: 57.6/49

In: 62.883+/-16.550 χ^2/NDF:41.9/44

Out: 3.040+/-16.108 χ^2/NDF:89.4/52

All: 32.151+/-11.543 χ^2/NDF: 138.0/97

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 137.773+/-0.031 χ^2/NDF: 2895748.9/21

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

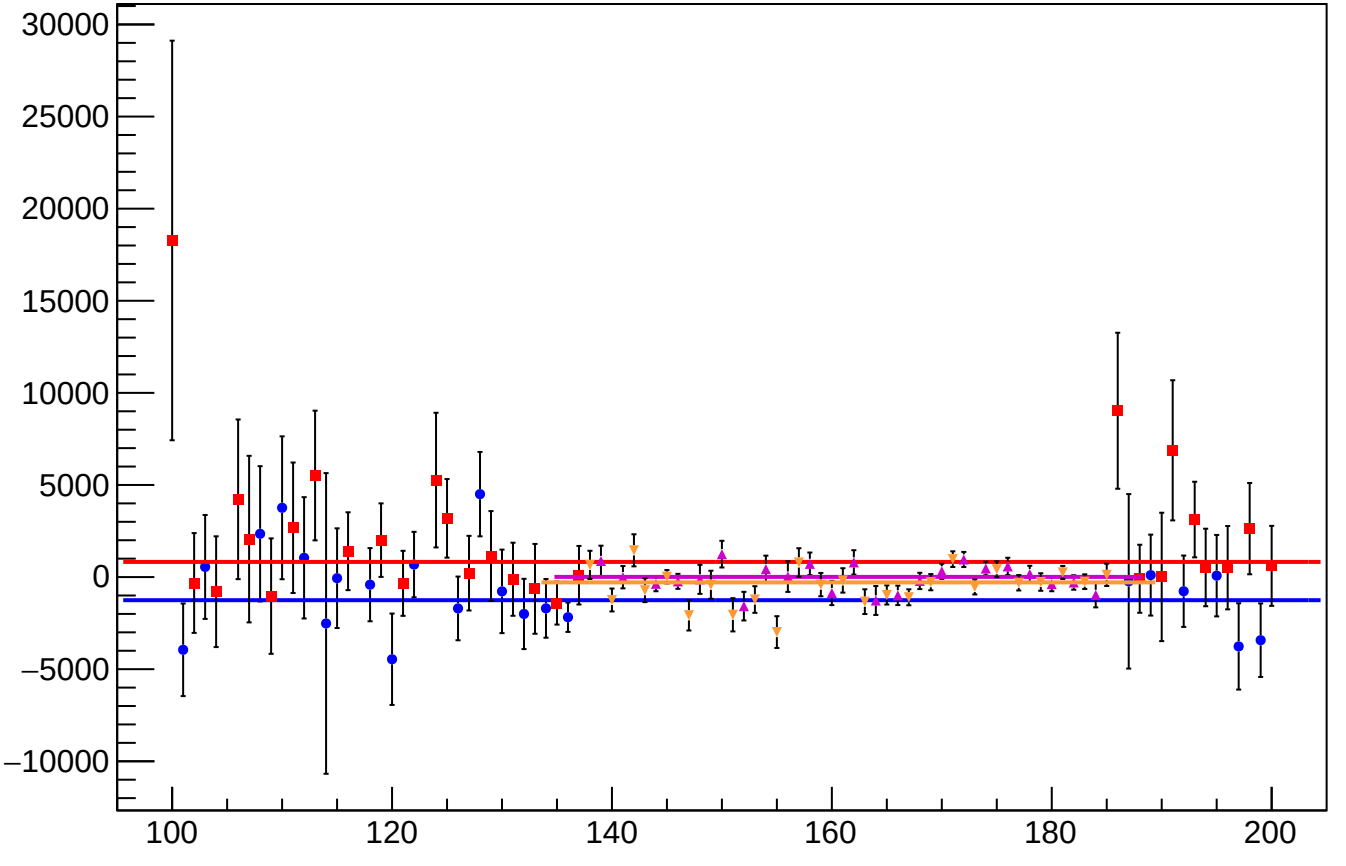
Right: 143.168+/-0.022 χ^2/NDF: 6921850.1/49

In: 84.287+/-0.012 χ^2/NDF:7222926.9/44

Out: 84.973+/-0.011 χ^2/NDF:9763324.9/52

All: 84.639+/-0.008 χ^2/NDF: 16988015.8/97

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1254.669+/-425.783 χ^2/NDF: 19.1/21

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

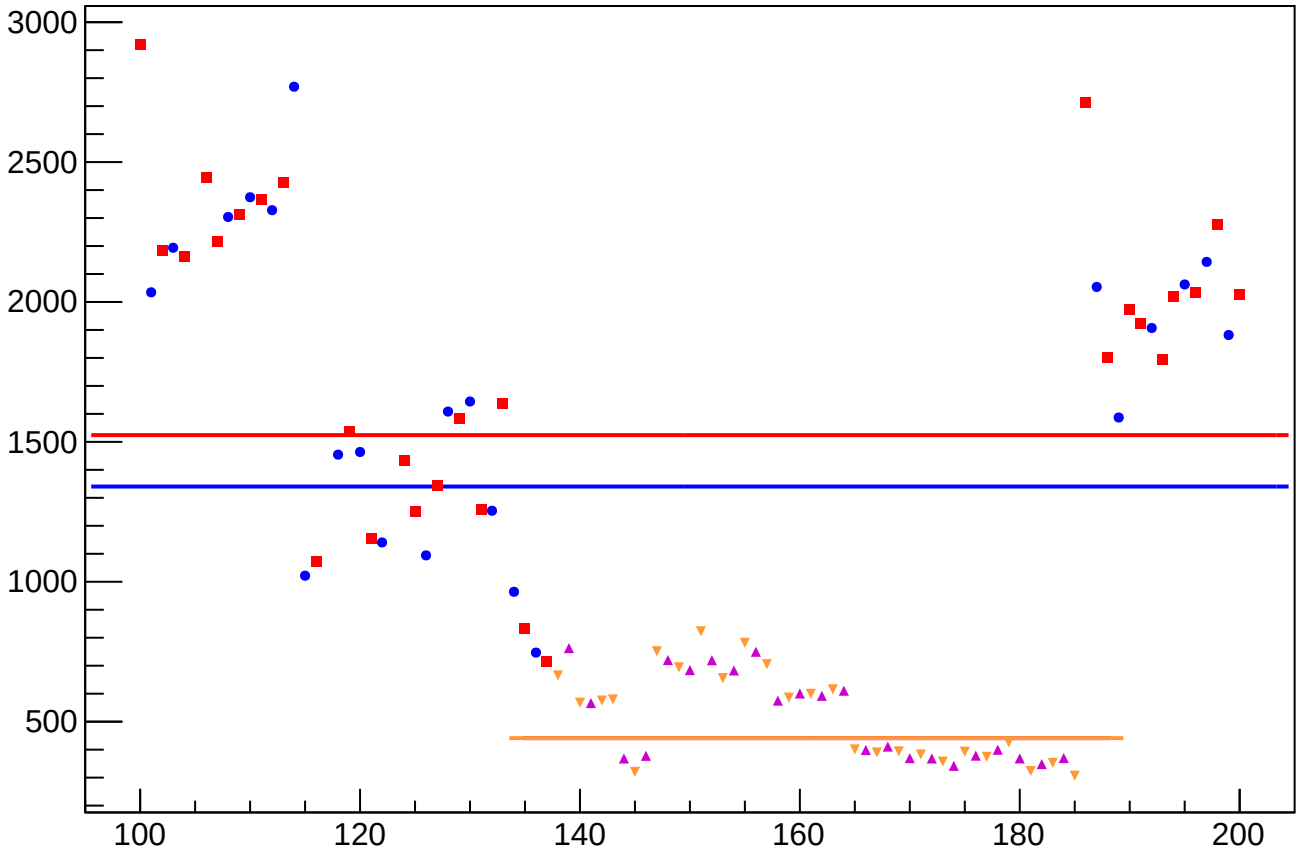
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -245.612+/-305.374 χ^2/NDF: 53.4/49

In: -65.405+/-104.384 χ^2/NDF:60.8/44

Out: -227.489+/-102.322 χ^2/NDF:82.1/52

All: -148.063+/-73.071 χ^2/NDF: 144.1/97



Right In: 1340.327+/-0.301 χ^2/NDF: 3084074.8/21

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

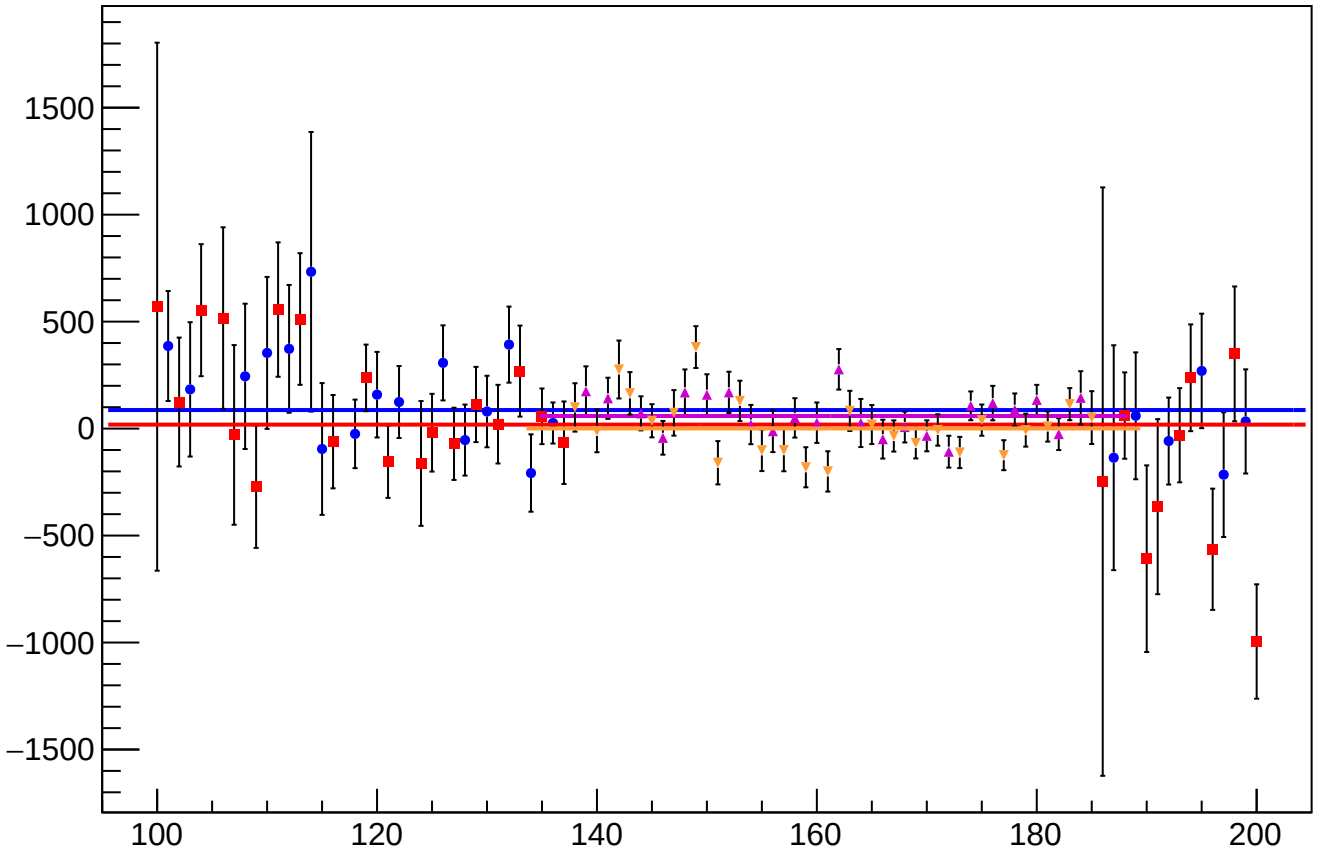
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1429.577+/-0.216 χ^2/NDF: 6300198.9/49

In: 495.236+/-0.074 χ^2/NDF:14148791.8/44

Out: 500.175+/-0.072 χ^2/NDF:17819071.6/52

All: 497.754+/-0.052 χ^2/NDF: 31970146.8/97



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

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

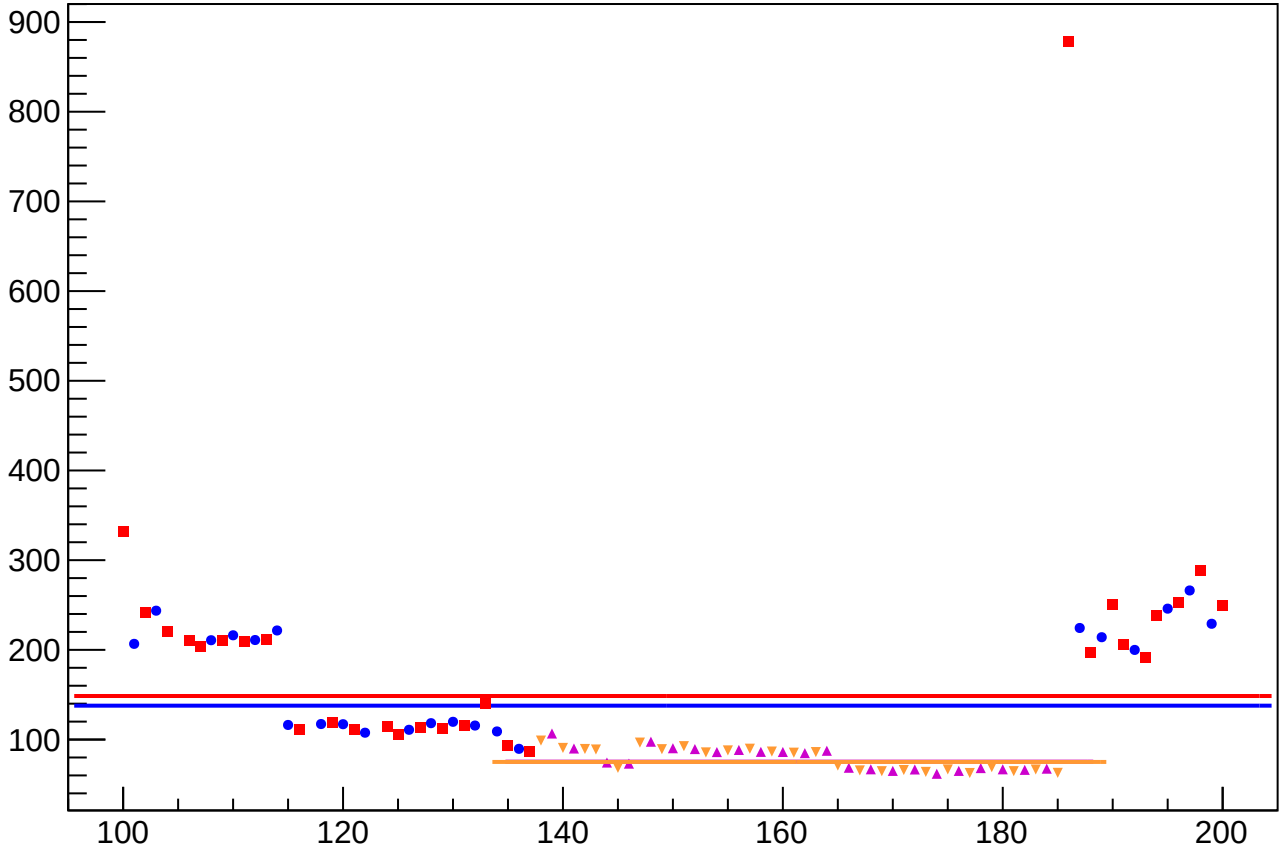
Right: 52.656+/-30.964 χ^2/NDF: 57.6/49

In: 62.879+/-16.550 χ^2/NDF:41.9/44

Out: 3.015+/-16.108 χ^2/NDF:89.4/52

All: 32.136+/-11.543 χ^2/NDF: 138.0/97

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

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

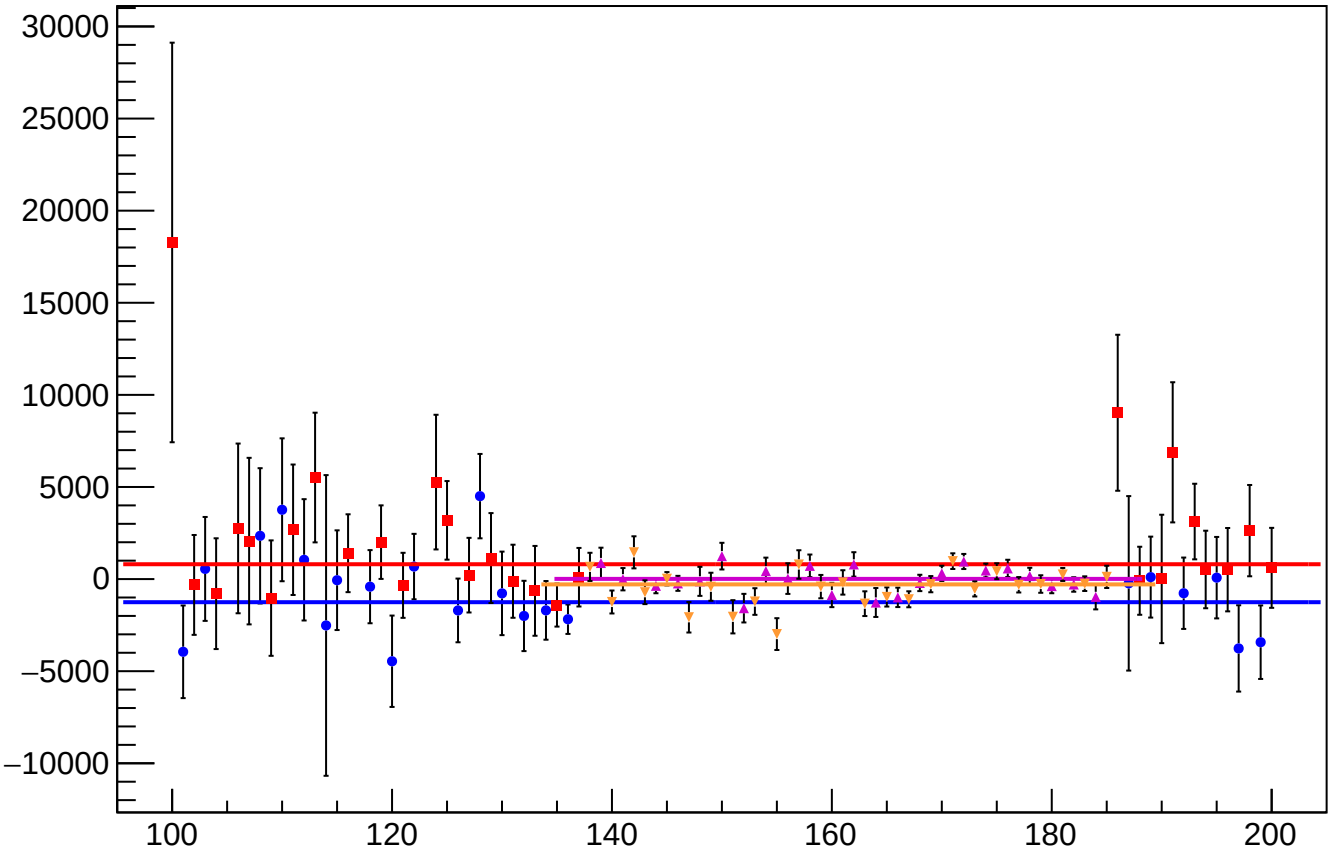
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 143.150+/-0.022 χ^2/NDF: 6917047.0/49

In: 84.287+/-0.012 χ^2/NDF:7222928.9/44

Out: 84.967+/-0.011 χ^2/NDF:9753581.7/52

All: 84.636+/-0.008 χ^2/NDF: 16978244.4/97



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

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

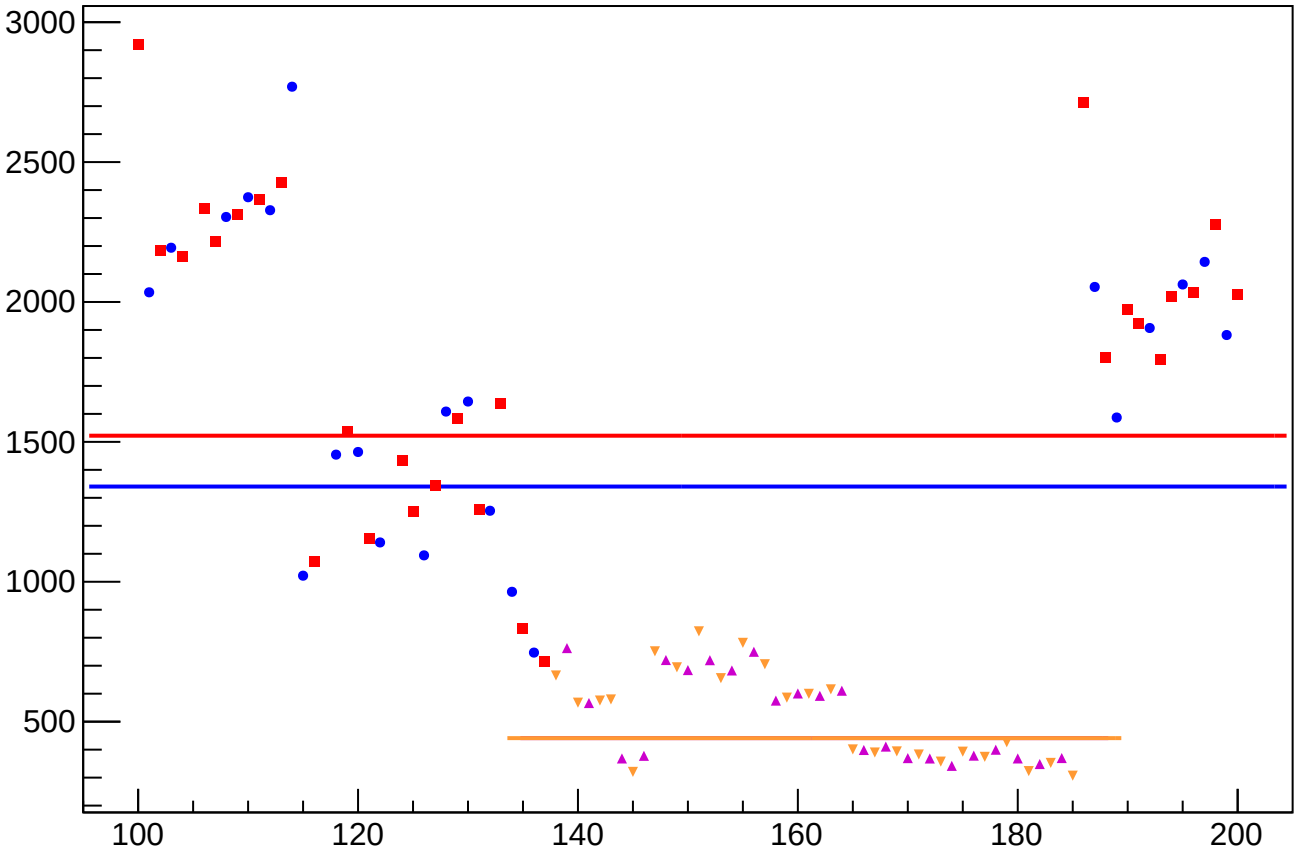
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -254.556+/-305.464 χ^2/NDF: 52.8/49

In: -65.403+/-104.384 χ^2/NDF:60.8/44

Out: -228.492+/-102.326 χ^2/NDF:81.4/52

All: -148.571+/-73.072 χ^2/NDF: 143.5/97



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

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

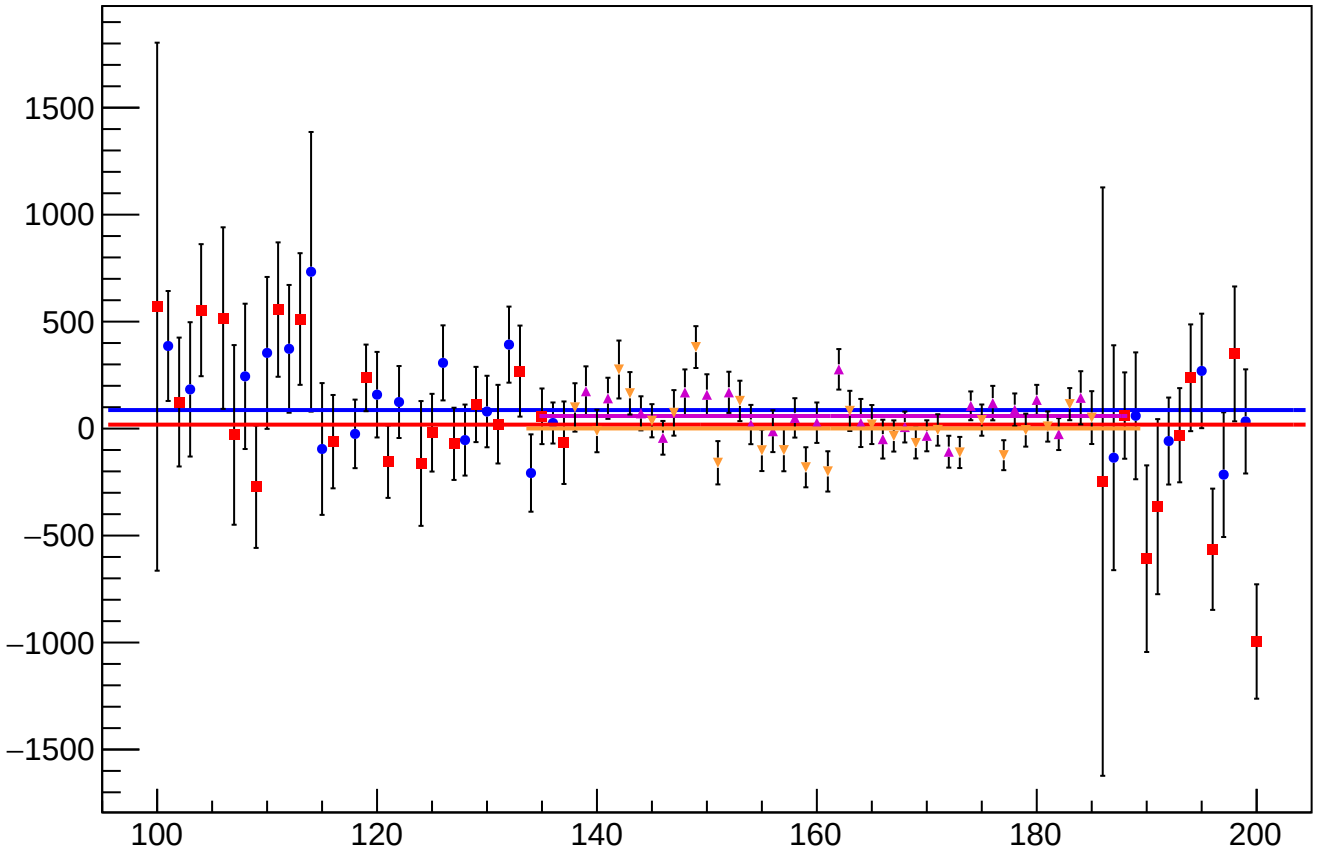
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1428.524+/-0.216 χ^2/NDF: 6268189.0/49

In: 495.236+/-0.074 χ^2/NDF:14148800.7/44

Out: 499.995+/-0.072 χ^2/NDF:17734188.3/52

All: 497.663+/-0.052 χ^2/NDF: 31885109.3/97



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

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

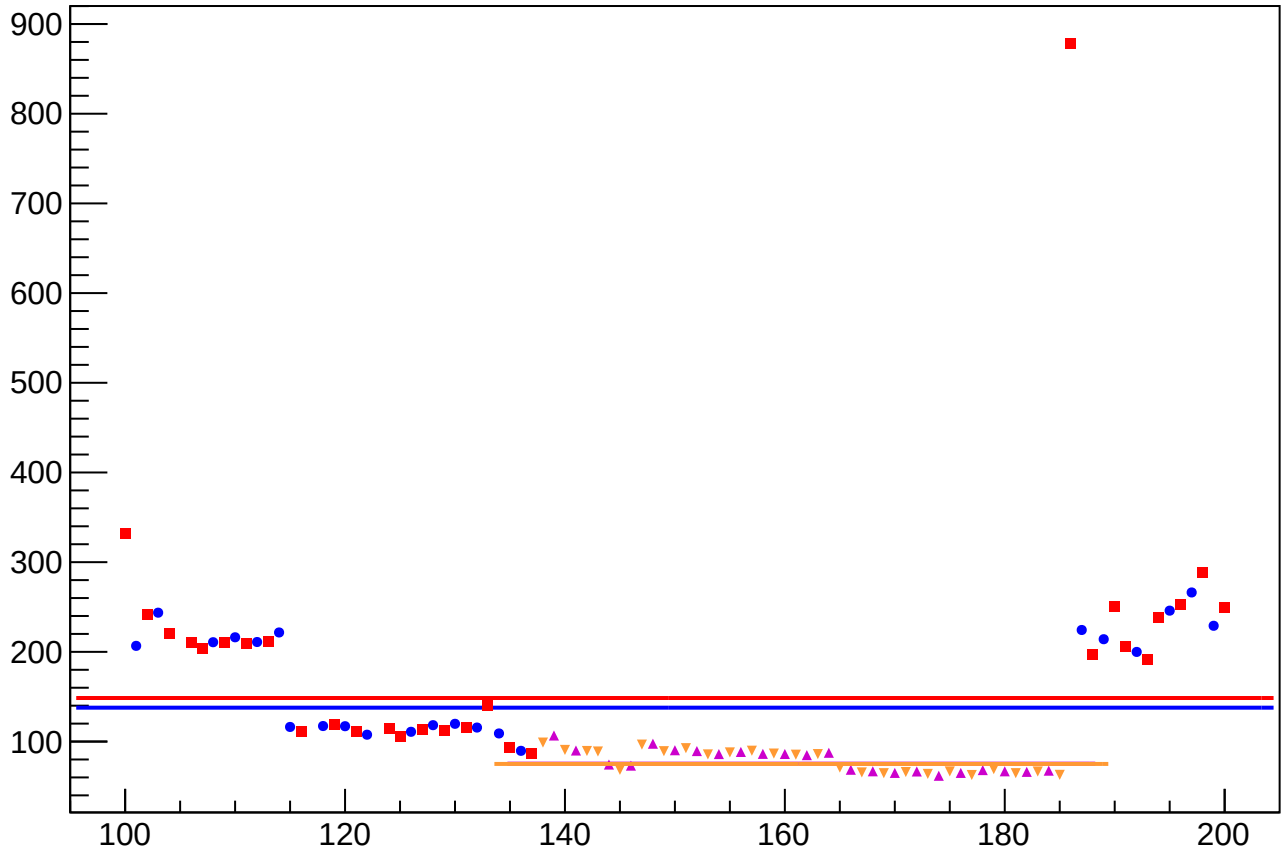
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 52.656+/-30.964 χ^2/NDF: 57.6/49

In: 62.879+/-16.550 χ^2/NDF:41.9/44

Out: 3.015+/-16.108 χ^2/NDF:89.4/52

All: 32.136+/-11.543 χ^2/NDF: 138.0/97



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

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

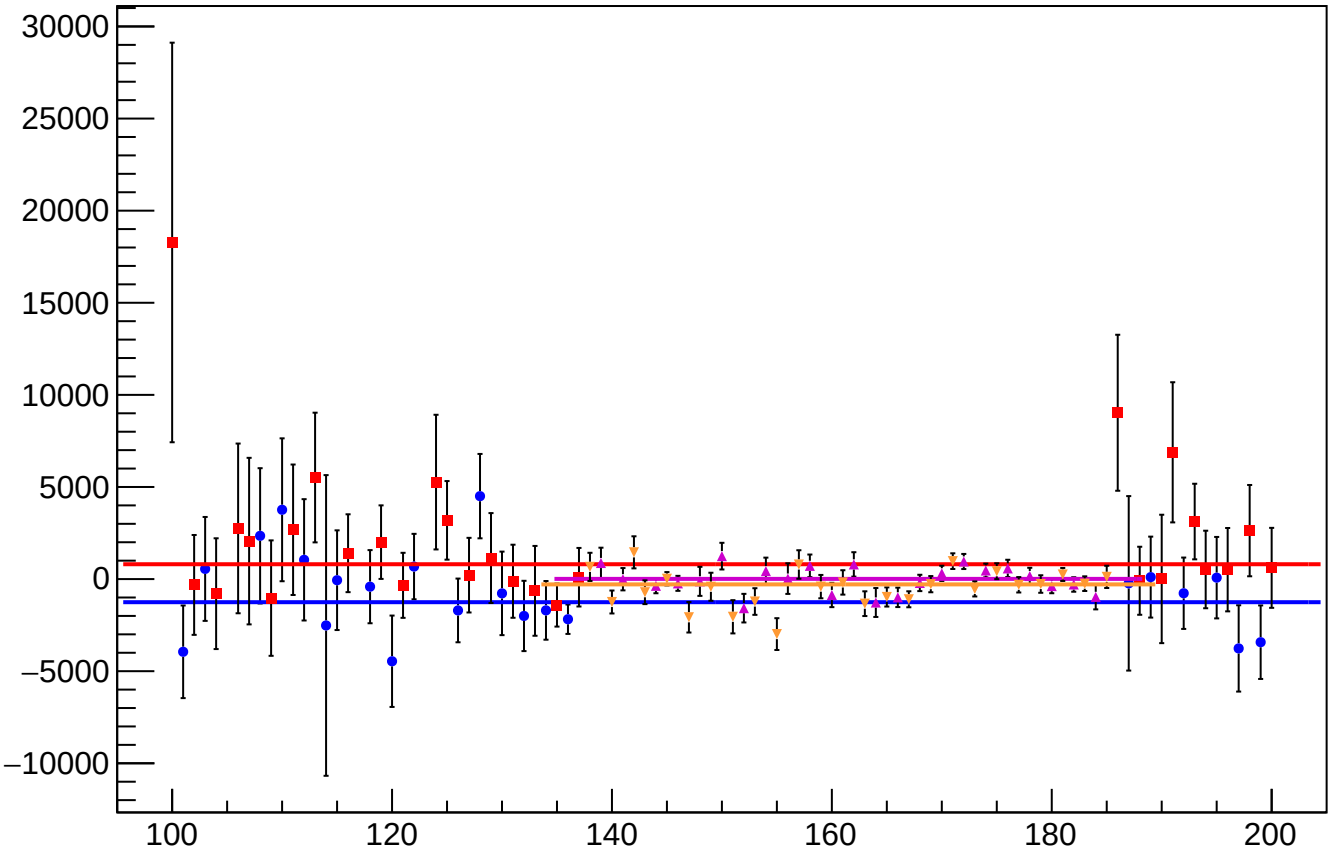
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 143.150+/-0.022 χ^2/NDF: 6917047.0/49

In: 84.287+/-0.012 χ^2/NDF:7222928.9/44

Out: 84.967+/-0.011 χ^2/NDF:9753581.7/52

All: 84.636+/-0.008 χ^2/NDF: 16978244.4/97



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

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

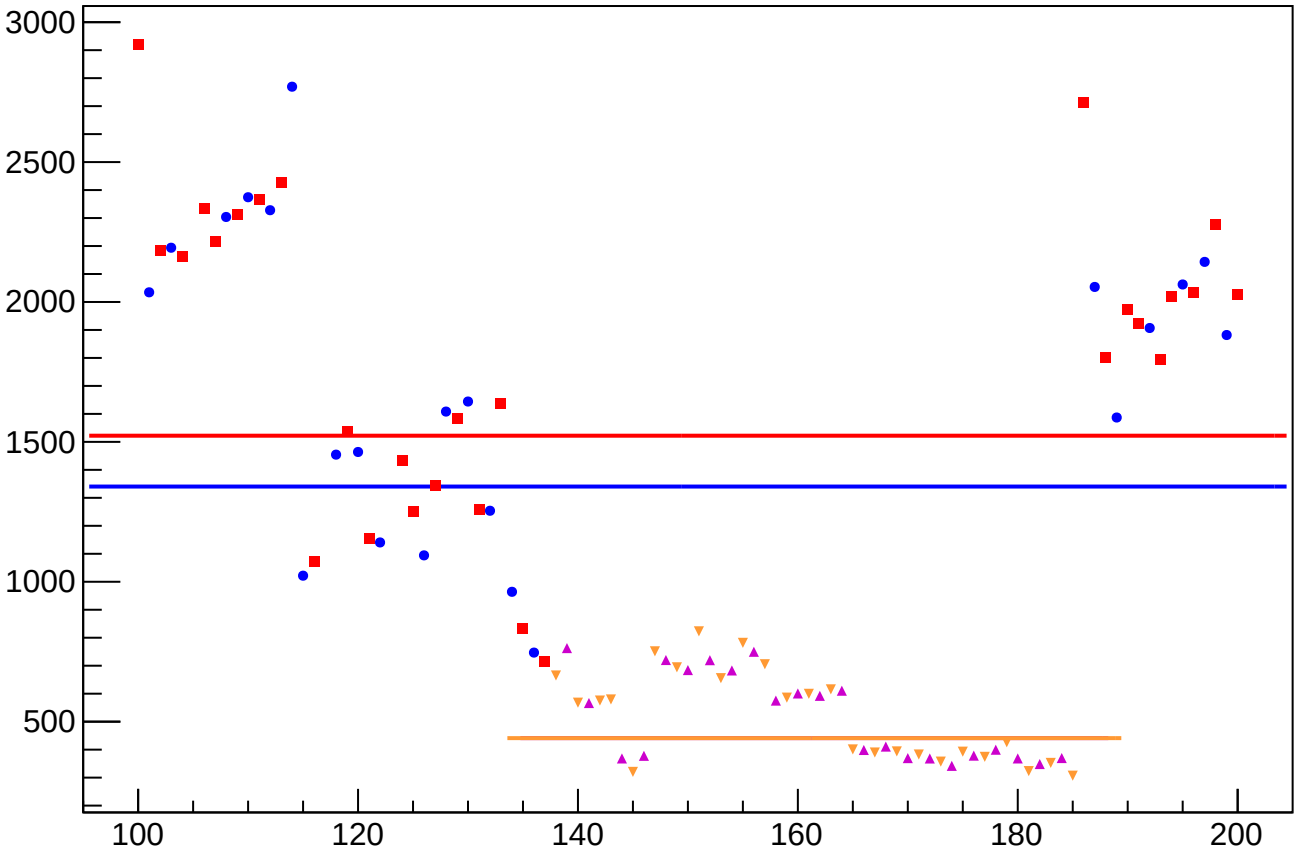
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -254.556+/-305.464 χ^2/NDF: 52.8/49

In: -65.403+/-104.384 χ^2/NDF:60.8/44

Out: -228.492+/-102.326 χ^2/NDF:81.4/52

All: -148.571+/-73.072 χ^2/NDF: 143.5/97



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

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

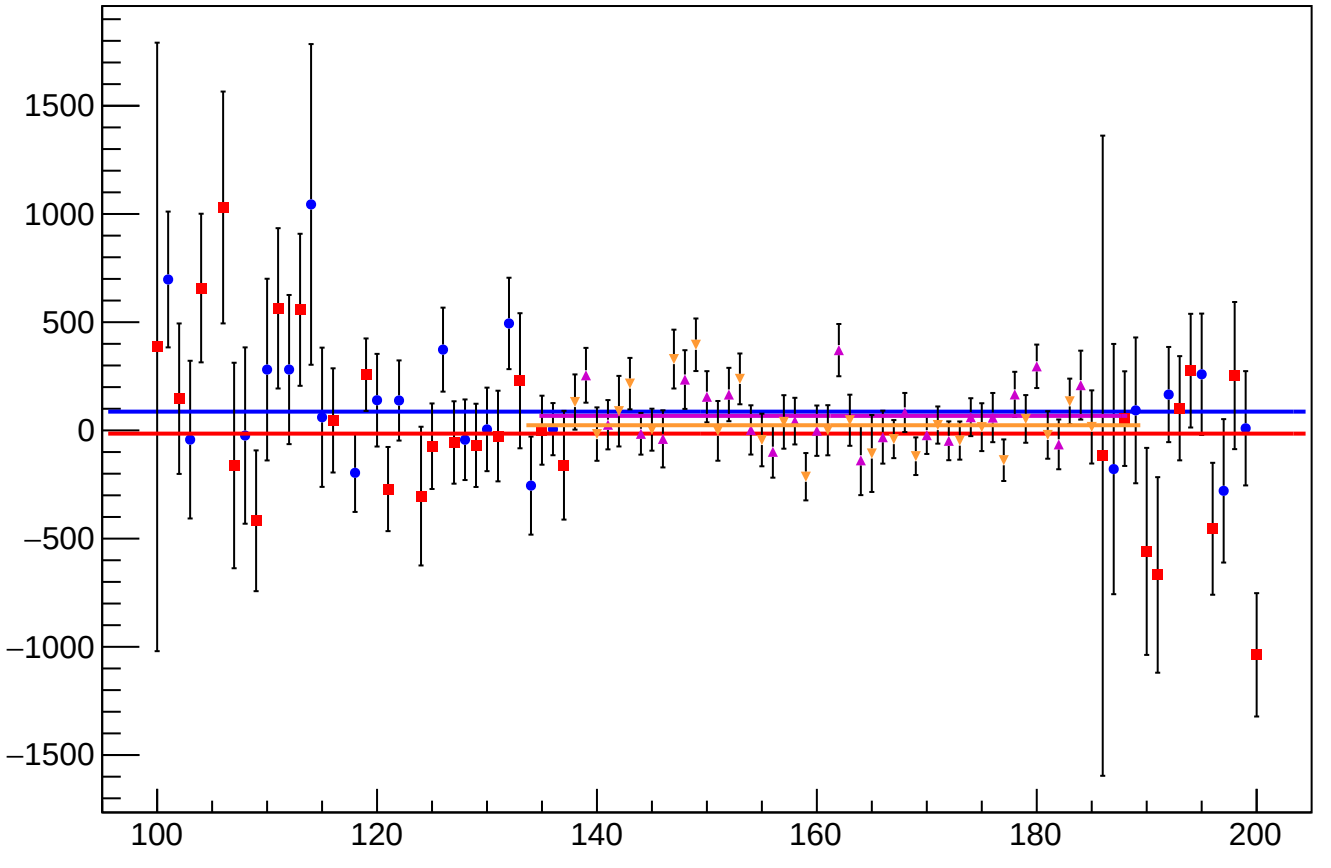
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1428.524+/-0.216 χ^2/NDF: 6268189.0/49

In: 495.236+/-0.074 χ^2/NDF:14148800.7/44

Out: 499.995+/-0.072 χ^2/NDF:17734188.3/52

All: 497.663+/-0.052 χ^2/NDF: 31885109.3/97



Right In: 86.731+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -14.862+/-49.892 χ^2/NDF: 41.6/27

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

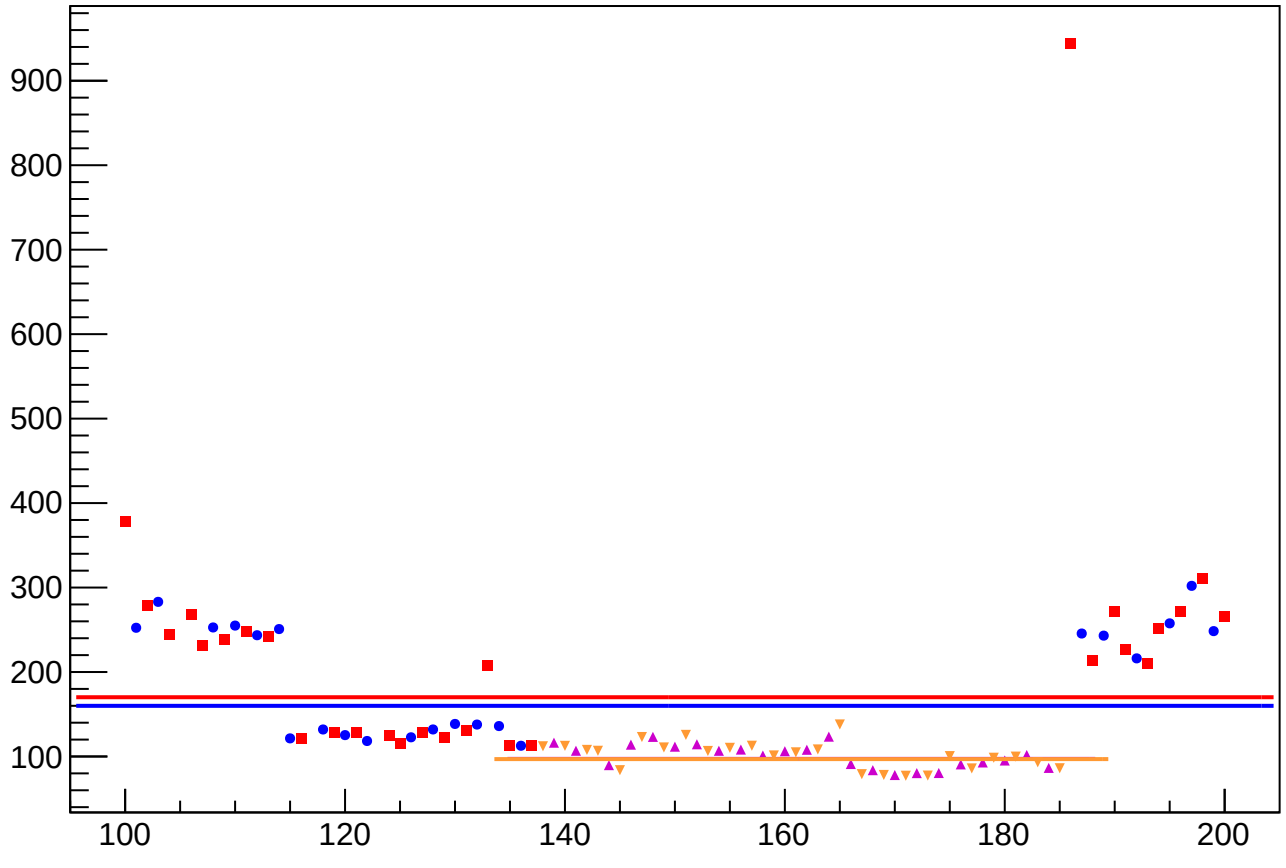
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 35.347+/-35.483 χ^2/NDF: 63.8/49

In: 70.493+/-21.020 χ^2/NDF:48.9/44

Out: 17.369+/-20.446 χ^2/NDF:77.3/52

All: 43.195+/-14.656 χ^2/NDF: 129.4/97



Right In: 159.969+/-0.036 χ^2/NDF: 2611775.4/21

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

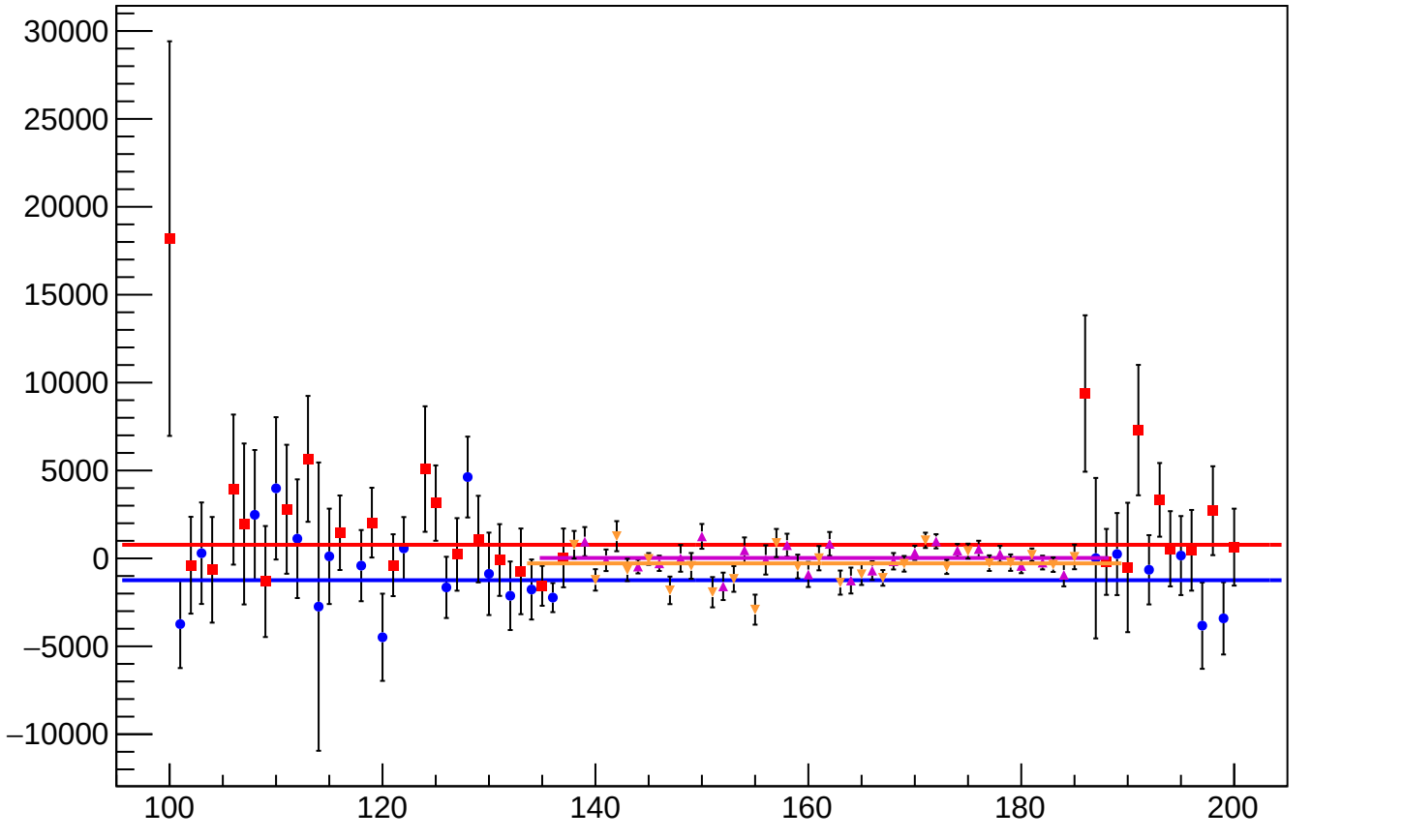
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 165.118+/-0.025 χ^2/NDF: 6291275.3/49

In: 108.060+/-0.015 χ^2/NDF:5845651.6/44

Out: 109.207+/-0.014 χ^2/NDF:8158700.9/52

All: 108.649+/-0.010 χ^2/NDF: 14007413.0/97



Right In: -1239.678+/-437.241 χ^2/NDF: 19.2/21

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

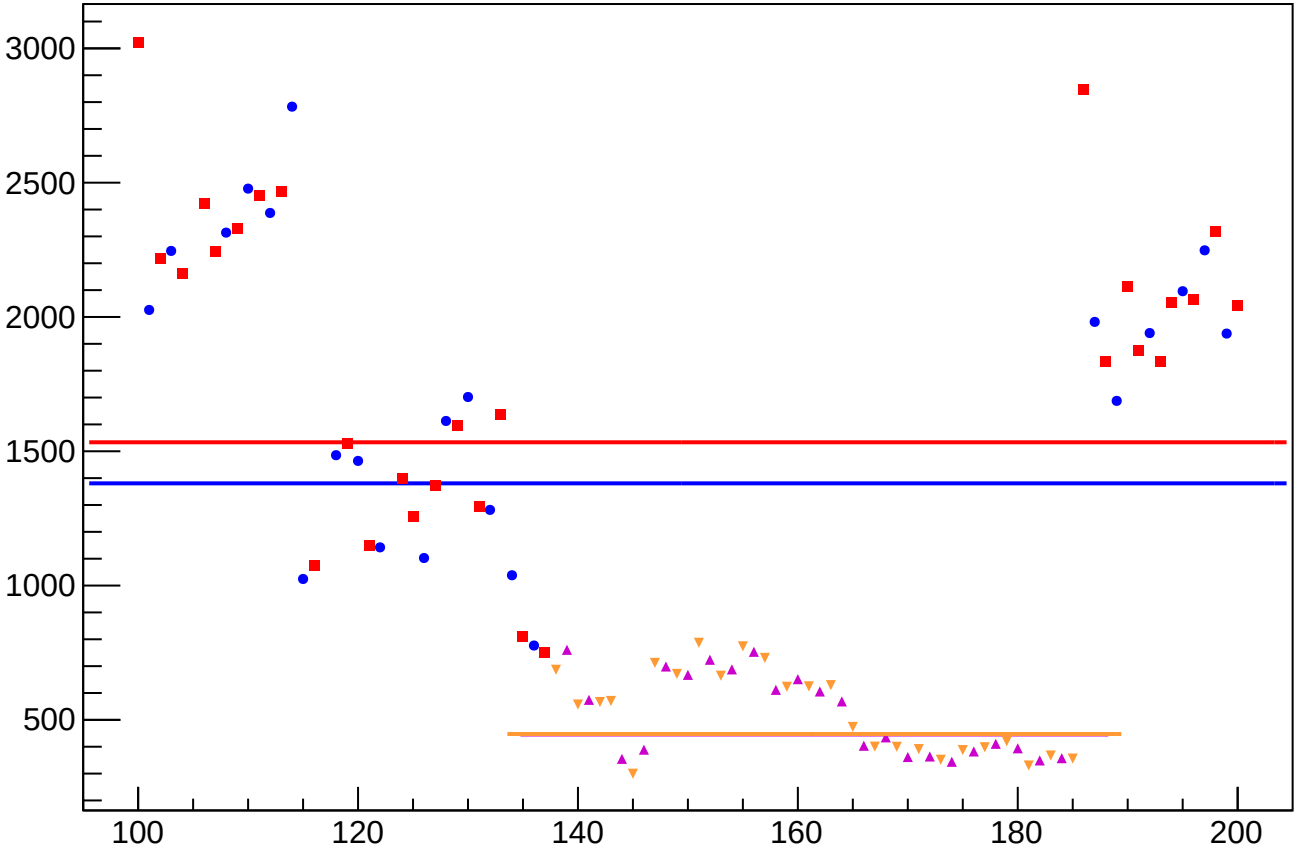
Right: -242.444+/-310.719 χ^2/NDF: 53.7/49

In: -49.200+/-105.657 χ^2/NDF:60.0/44

Out: -224.422+/-103.435 χ^2/NDF:79.9/52

All: -138.673+/-73.913 χ^2/NDF: 141.3/97

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1380.574+/-0.309 χ^2/NDF: 2990767.7/21

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

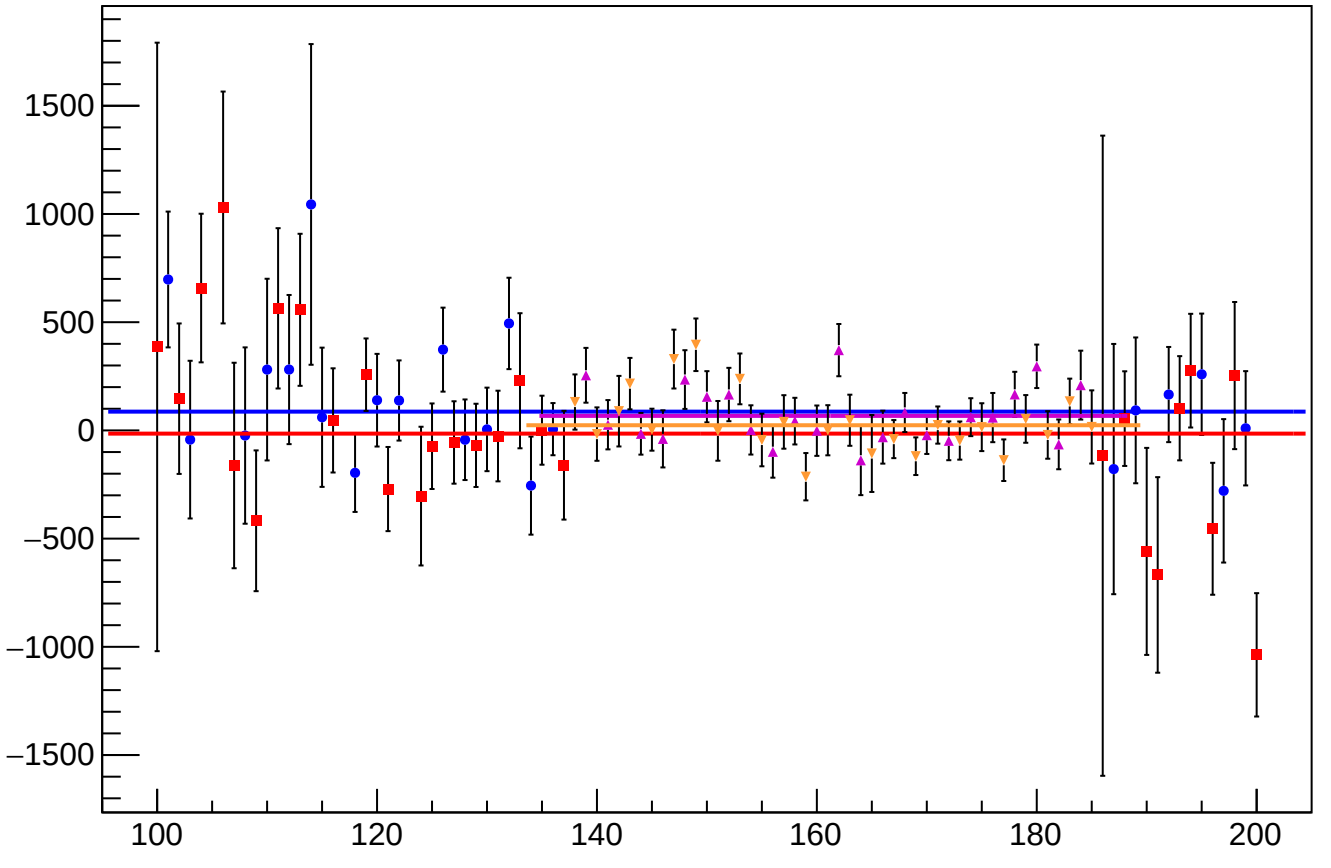
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1456.246+/-0.220 χ^2/NDF: 6259798.0/49

In: 500.093+/-0.075 χ^2/NDF:14317169.5/44

Out: 506.960+/-0.073 χ^2/NDF:17777363.7/52

All: 503.599+/-0.052 χ^2/NDF: 32098847.3/97



Right In: 86.733+/-50.473 χ^2/NDF: 20.1/21

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

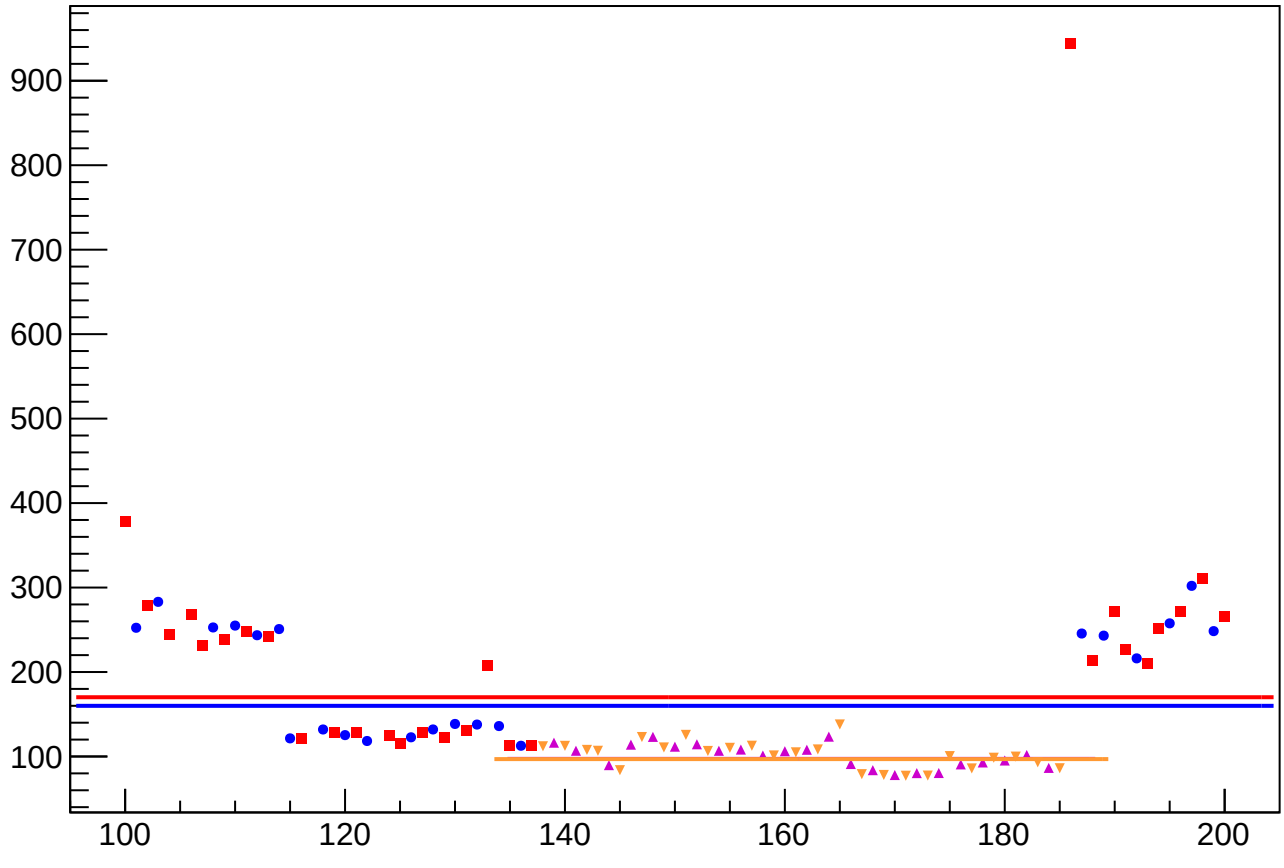
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 35.348+/-35.483 χ^2/NDF: 63.8/49

In: 70.493+/-21.020 χ^2/NDF:48.9/44

Out: 17.367+/-20.446 χ^2/NDF:77.3/52

All: 43.194+/-14.656 χ^2/NDF: 129.4/97



Right In: 159.968+/-0.036 χ^2/NDF: 2611781.4/21

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

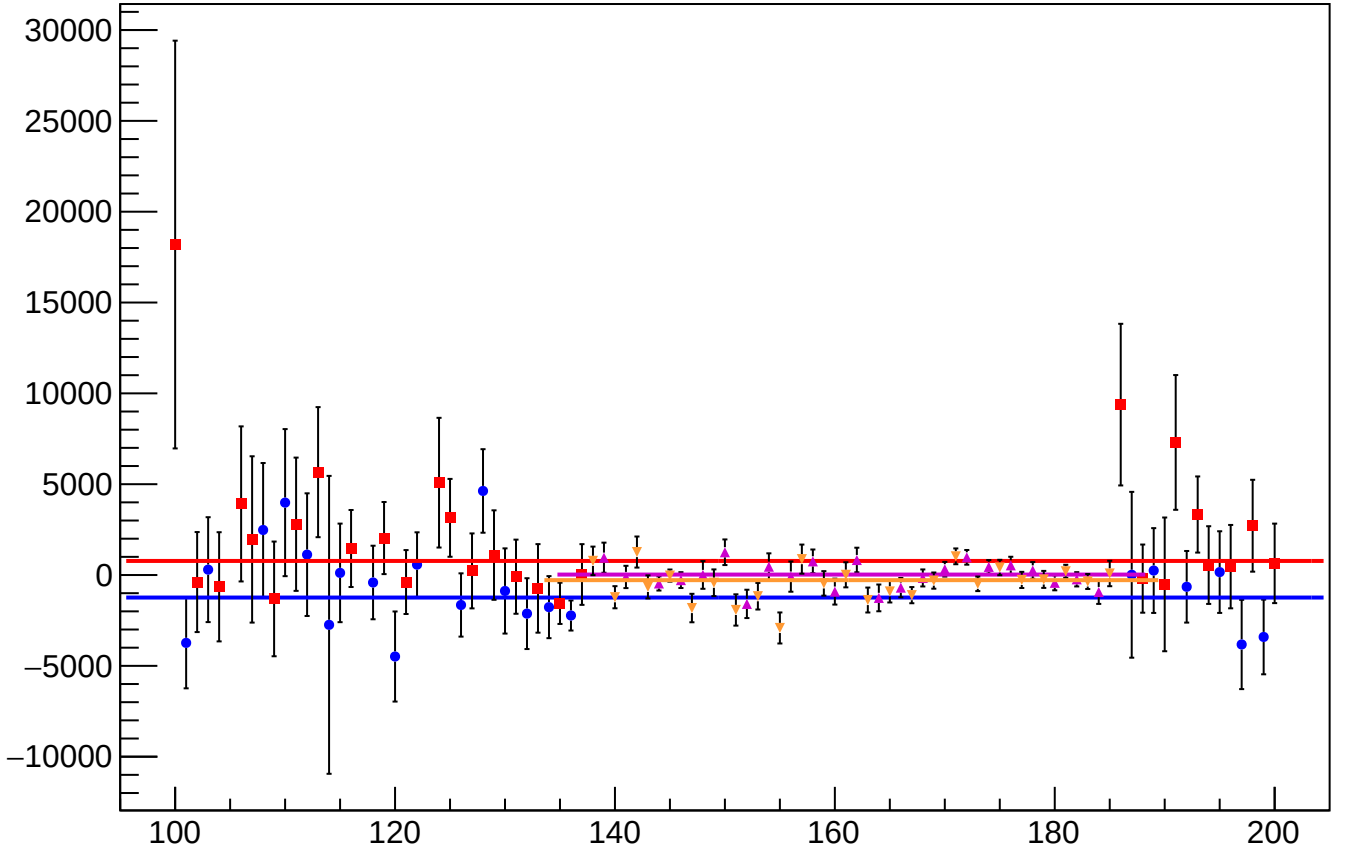
Right: 165.118+/-0.025 χ^2/NDF: 6291284.1/49

In: 108.060+/-0.015 χ^2/NDF:5845575.2/44

Out: 109.207+/-0.014 χ^2/NDF:8158644.7/52

All: 108.650+/-0.010 χ^2/NDF: 14007280.1/97

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1239.675+/-437.240 χ^2/NDF: 19.2/21

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

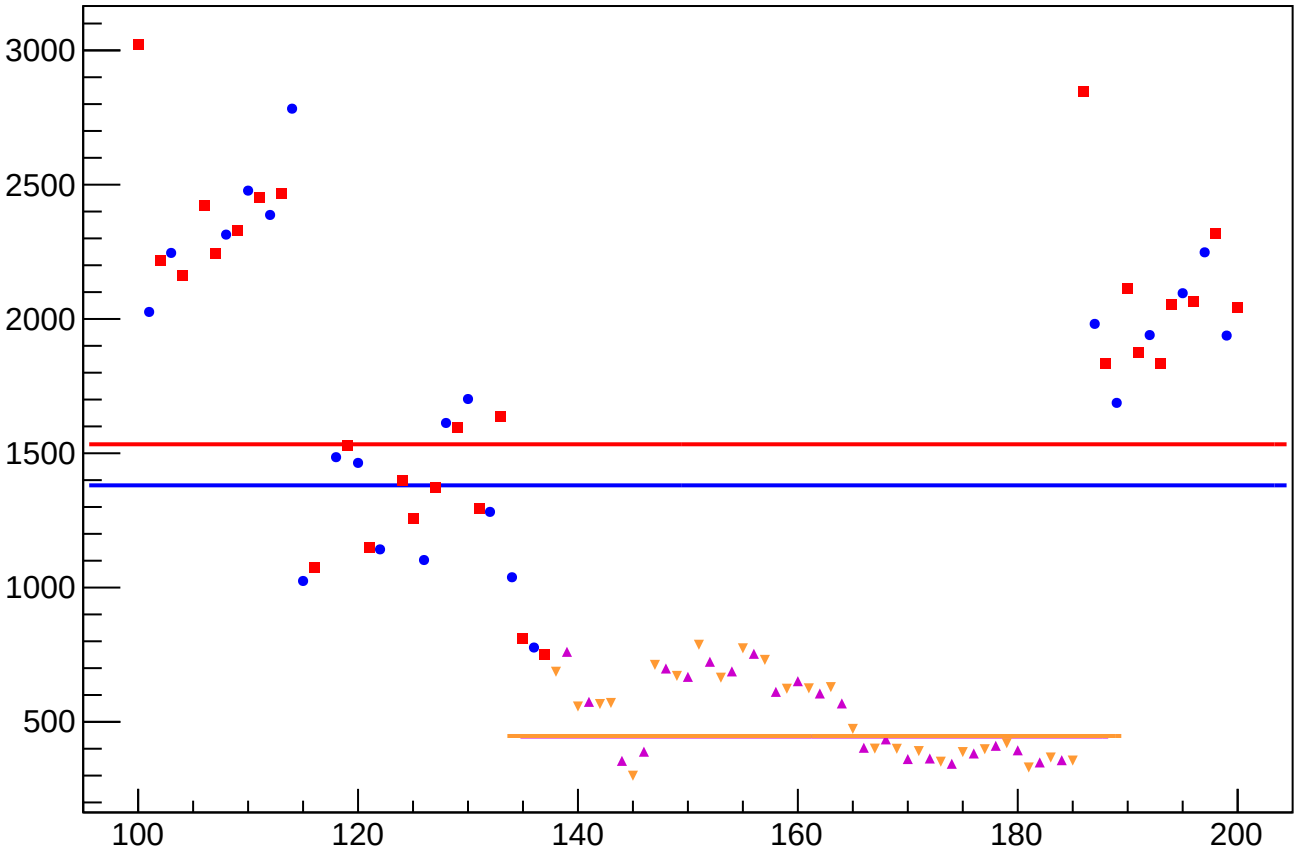
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -242.442+/-310.718 χ^2/NDF: 53.7/49

In: -49.199+/-105.657 χ^2/NDF:60.0/44

Out: -224.421+/-103.435 χ^2/NDF:79.9/52

All: -138.672+/-73.913 χ^2/NDF: 141.3/97



Right In: 1380.574+/-0.309 χ^2/NDF: 2990749.8/21

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

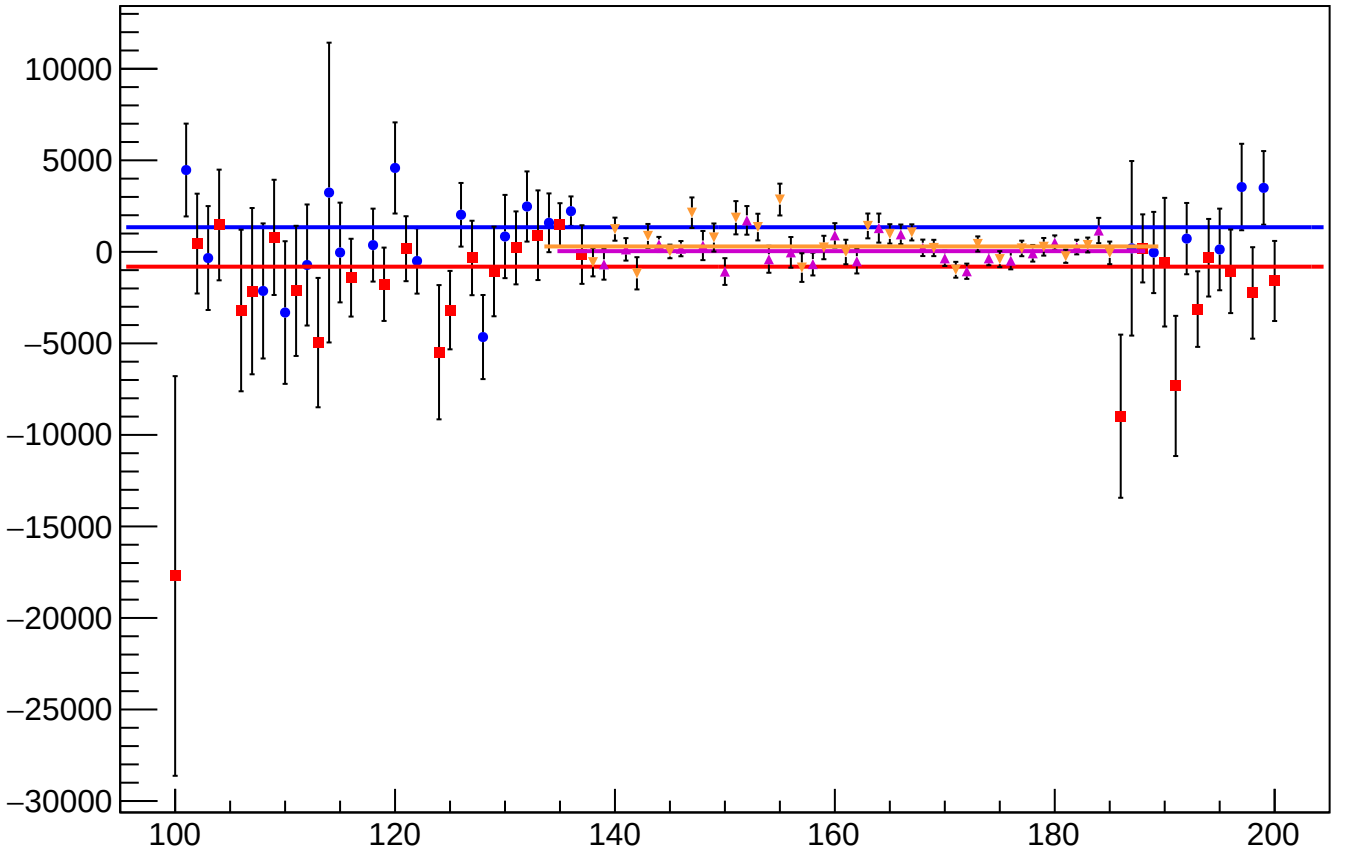
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1456.245+/-0.220 χ^2/NDF: 6259768.4/49

In: 500.092+/-0.075 χ^2/NDF:14317169.7/44

Out: 506.959+/-0.073 χ^2/NDF:17777384.3/52

All: 503.599+/-0.052 χ^2/NDF: 32098868.0/97



Right In: 1344.891+/-428.602 χ^2/NDF: 19.3/21

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

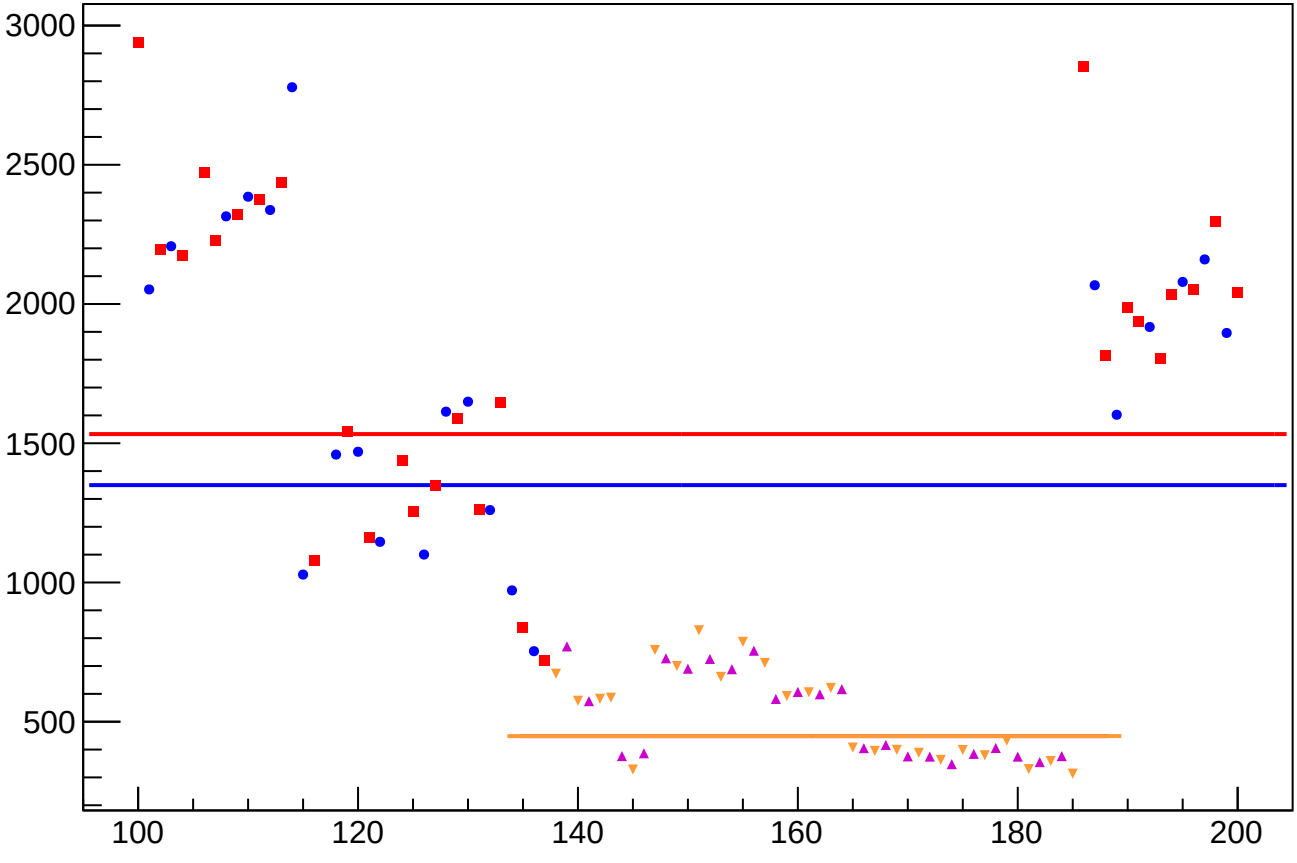
Right: 298.130+/-307.353 χ^2/NDF: 53.5/49

In: 117.922+/-105.924 χ^2/NDF:61.0/44

Out: 233.775+/-103.808 χ^2/NDF:78.4/52

All: 177.017+/-74.140 χ^2/NDF: 140.0/97

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1349.635+/-0.303 χ^2/NDF: 3072860.3/21

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

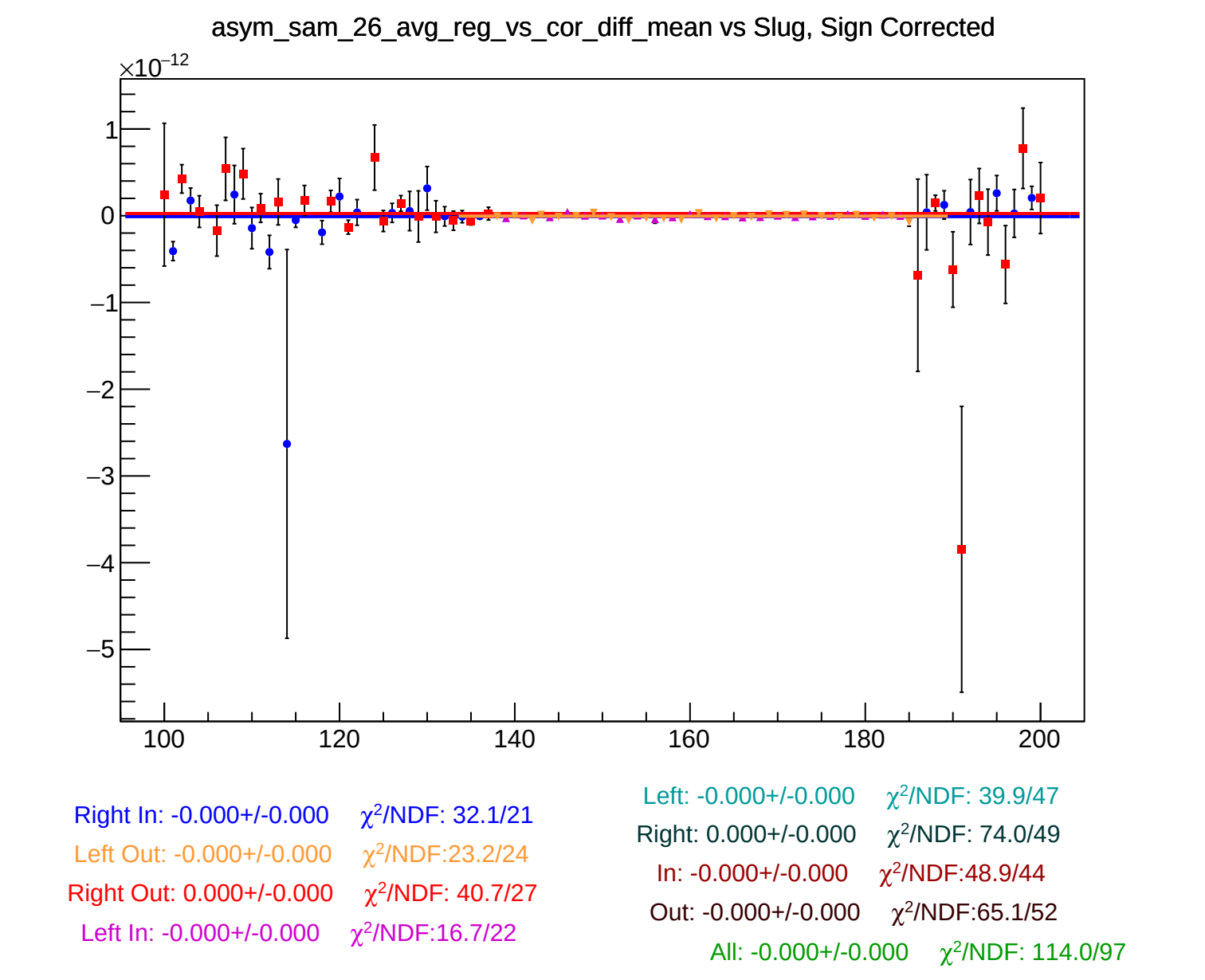
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

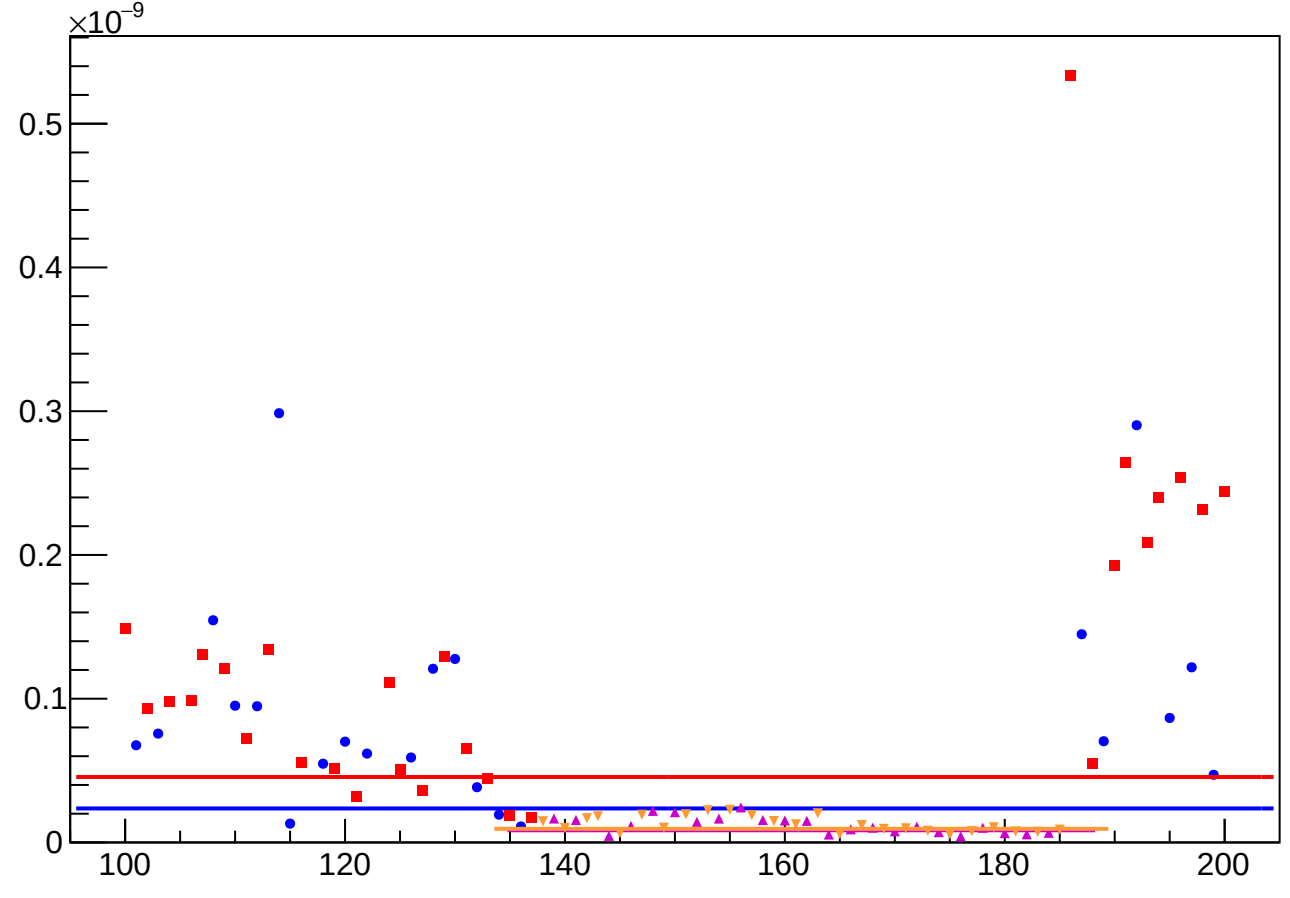
Right: 1438.658+/-0.217 χ^2/NDF: 6307105.3/49

In: 503.443+/-0.075 χ^2/NDF:13996518.7/44

Out: 508.380+/-0.073 χ^2/NDF:17641603.9/52

All: 505.961+/-0.052 χ^2/NDF: 31640339.0/97


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.1/21
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.7/27
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 74.0/49
In: -0.000+/-0.000 χ²/NDF:48.9/44
Out: -0.000+/-0.000 χ²/NDF:65.1/52
All: -0.000+/-0.000 χ²/NDF: 114.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 5263504.0/21

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

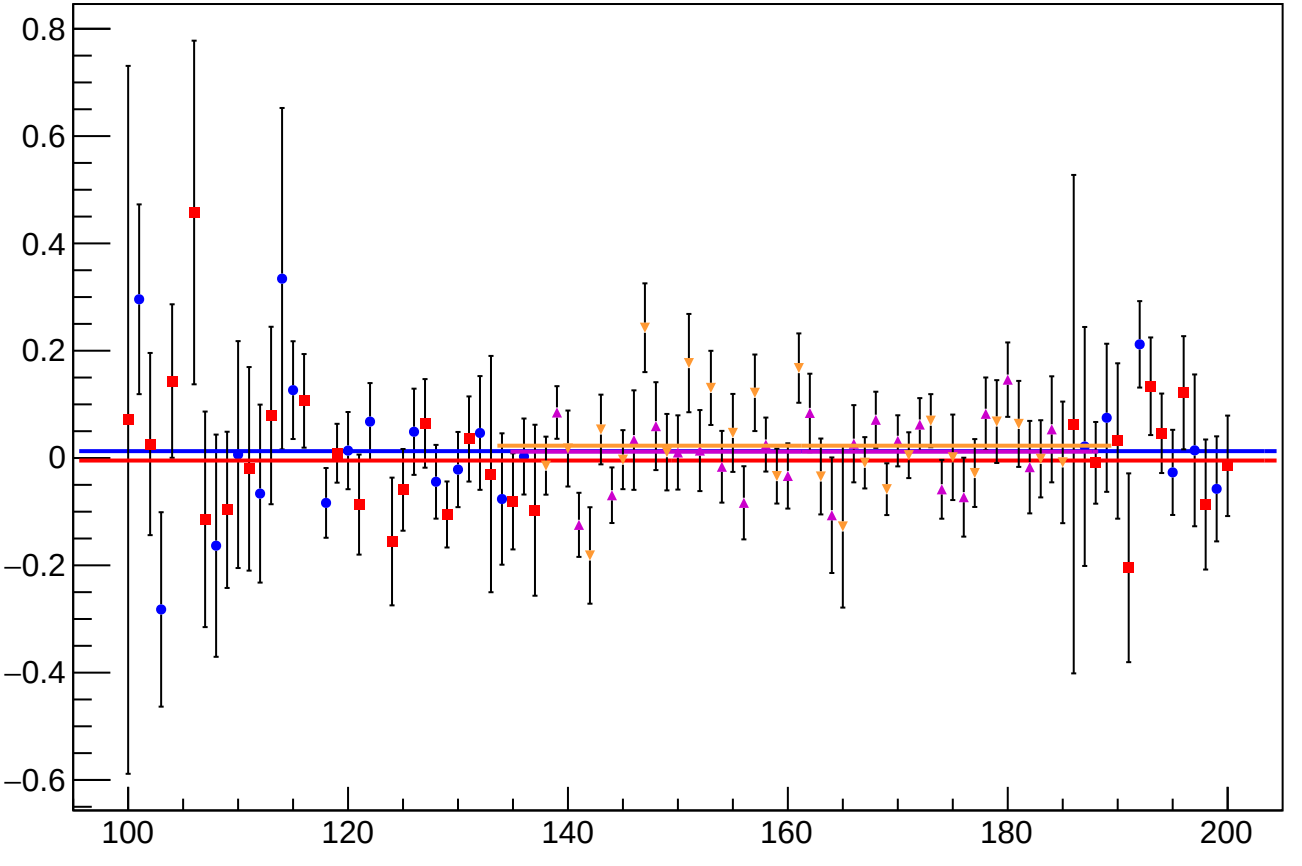
Right: 0.000+/-0.000 χ^2/NDF: 11379965.2/49

In: 0.000+/-0.000 χ^2/NDF:9454059.4/44

Out: 0.000+/-0.000 χ^2/NDF:11313684.3/52

All: 0.000+/-0.000 χ^2/NDF: 20856834.0/97

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

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

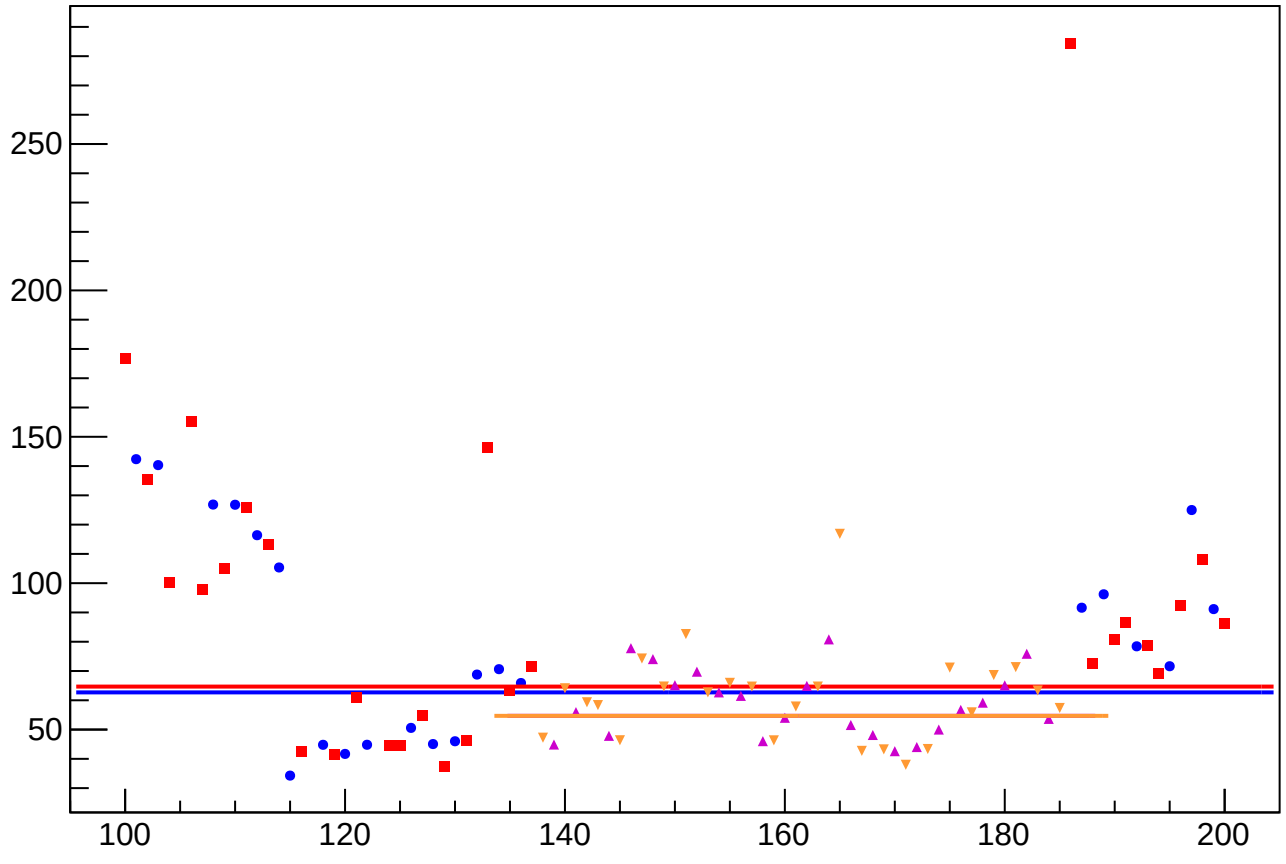
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.004+/-0.014 χ^2/NDF: 40.3/49

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/97



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

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

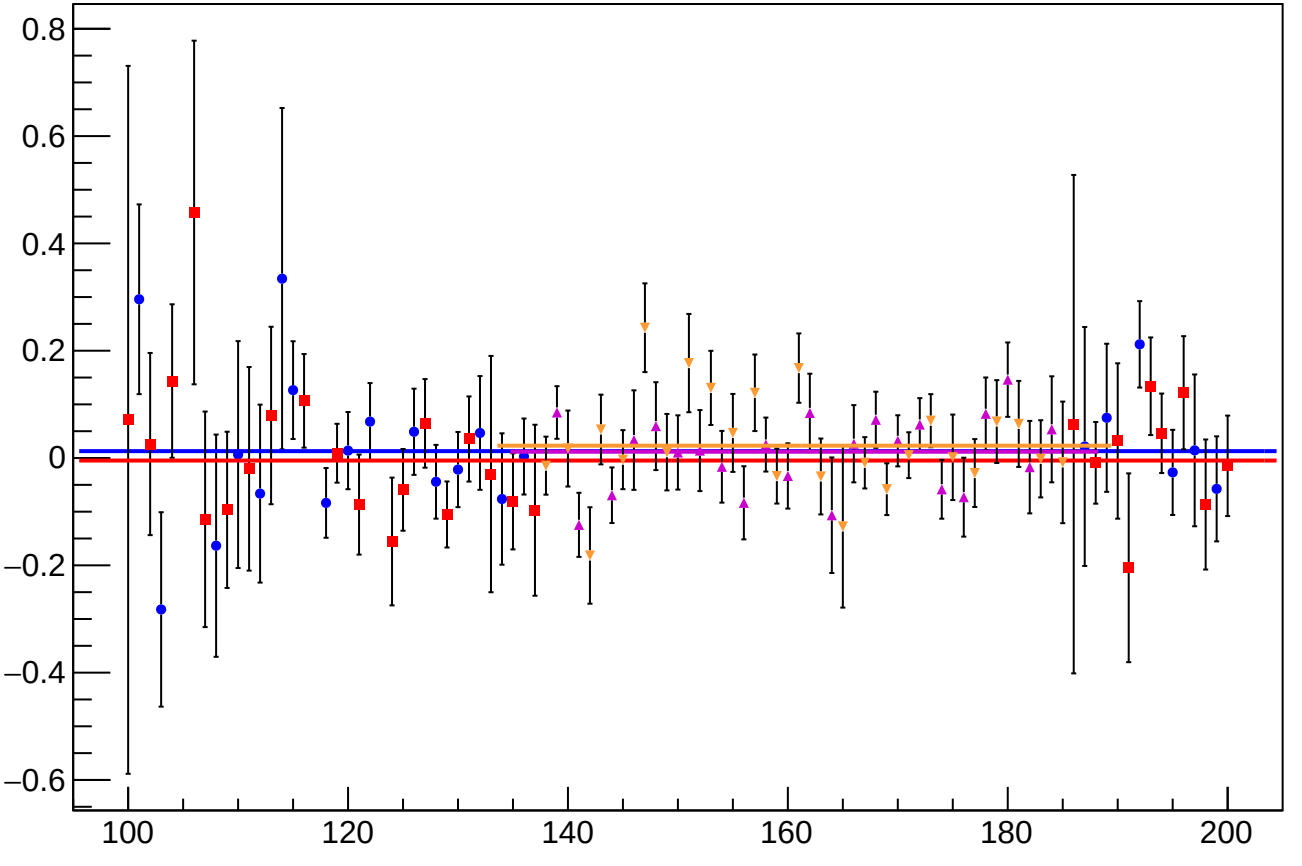
Right: 63.743+/-0.010 χ^2/NDF: 7026931.9/49

In: 57.039+/-0.008 χ^2/NDF:4559845.3/44

Out: 57.747+/-0.008 χ^2/NDF:6164689.9/52

All: 57.405+/-0.005 χ^2/NDF: 10728707.0/97

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

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

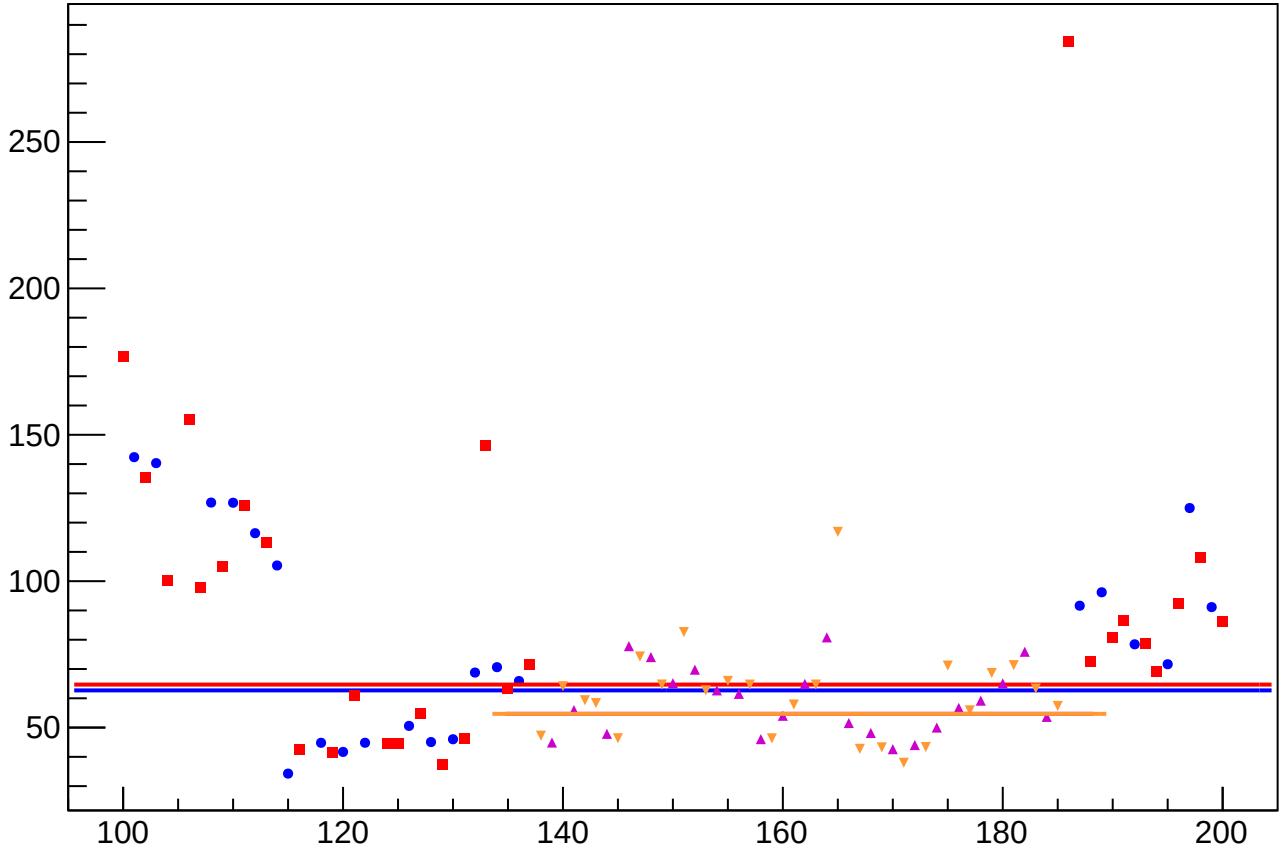
Right: 0.004+/-0.014 χ^2/NDF: 40.3/49

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/97

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

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

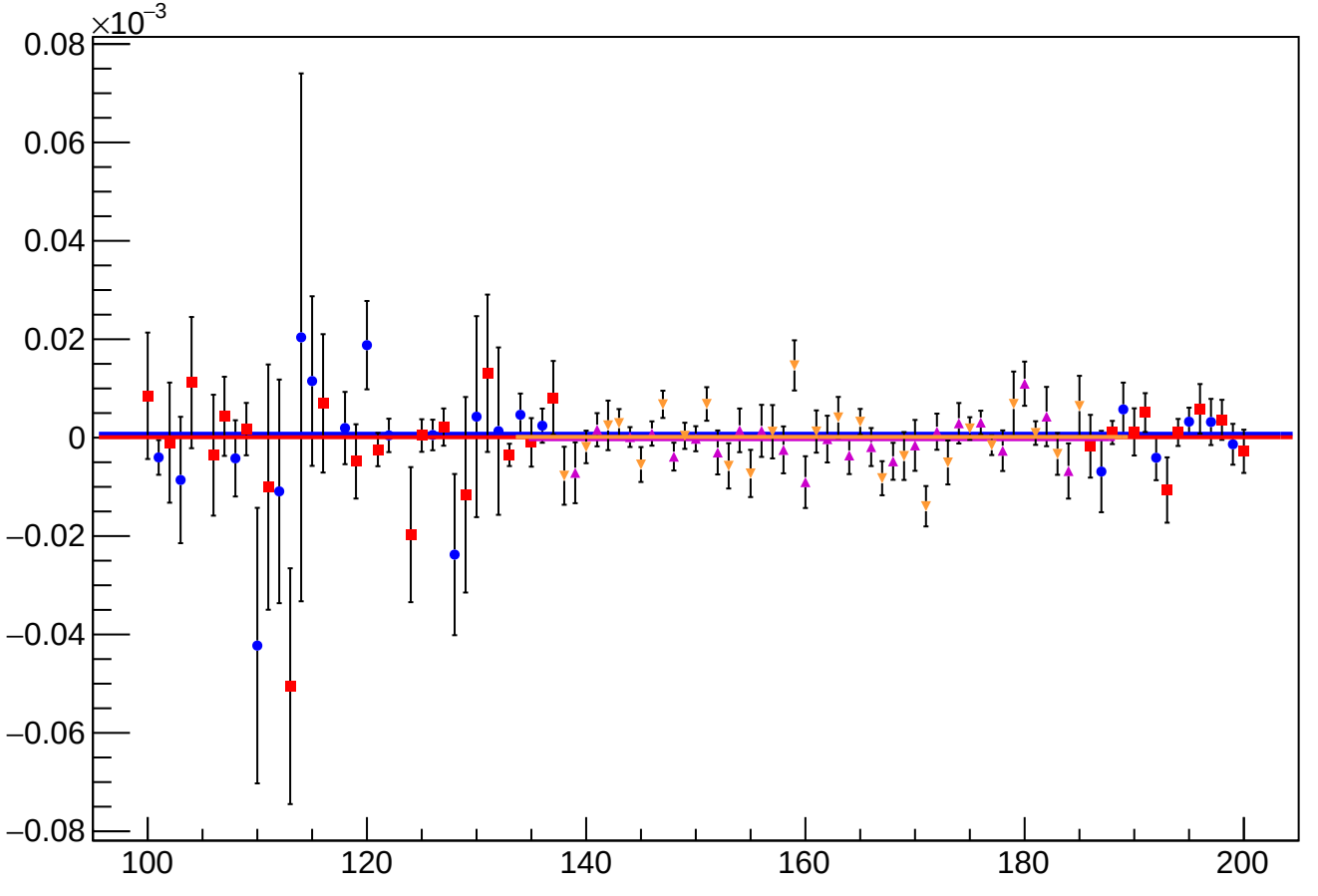
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 63.743+/-0.010 χ^2/NDF: 7026931.9/49

In: 57.039+/-0.008 χ^2/NDF:4559845.3/44

Out: 57.747+/-0.008 χ^2/NDF:6164689.9/52

All: 57.405+/-0.005 χ^2/NDF: 10728707.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

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

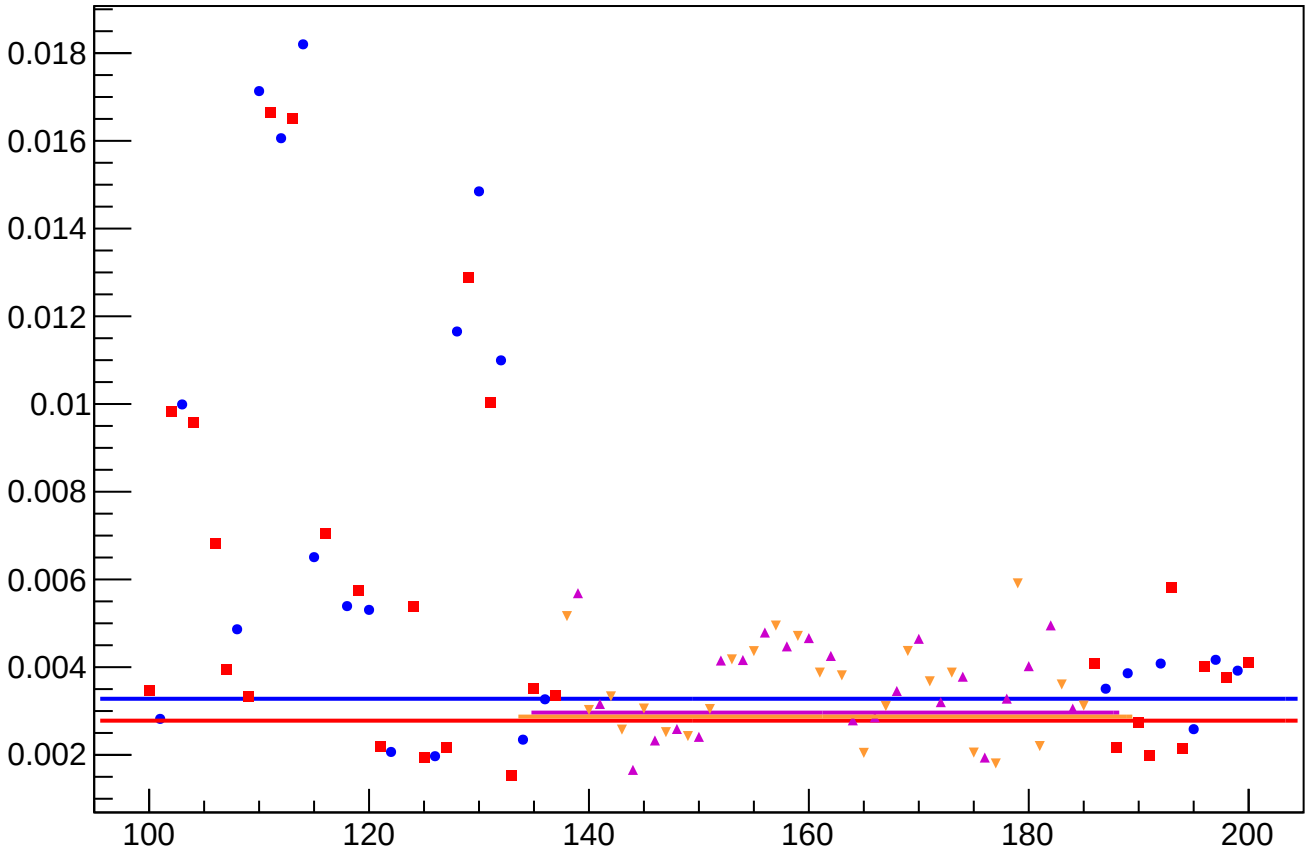
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 39.3/49

In: 0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:75.4/52

All: 0.000+/-0.000 χ^2/NDF: 114.2/97



Right In: 0.003+/-0.000 χ^2/NDF: 4881721.4/21

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

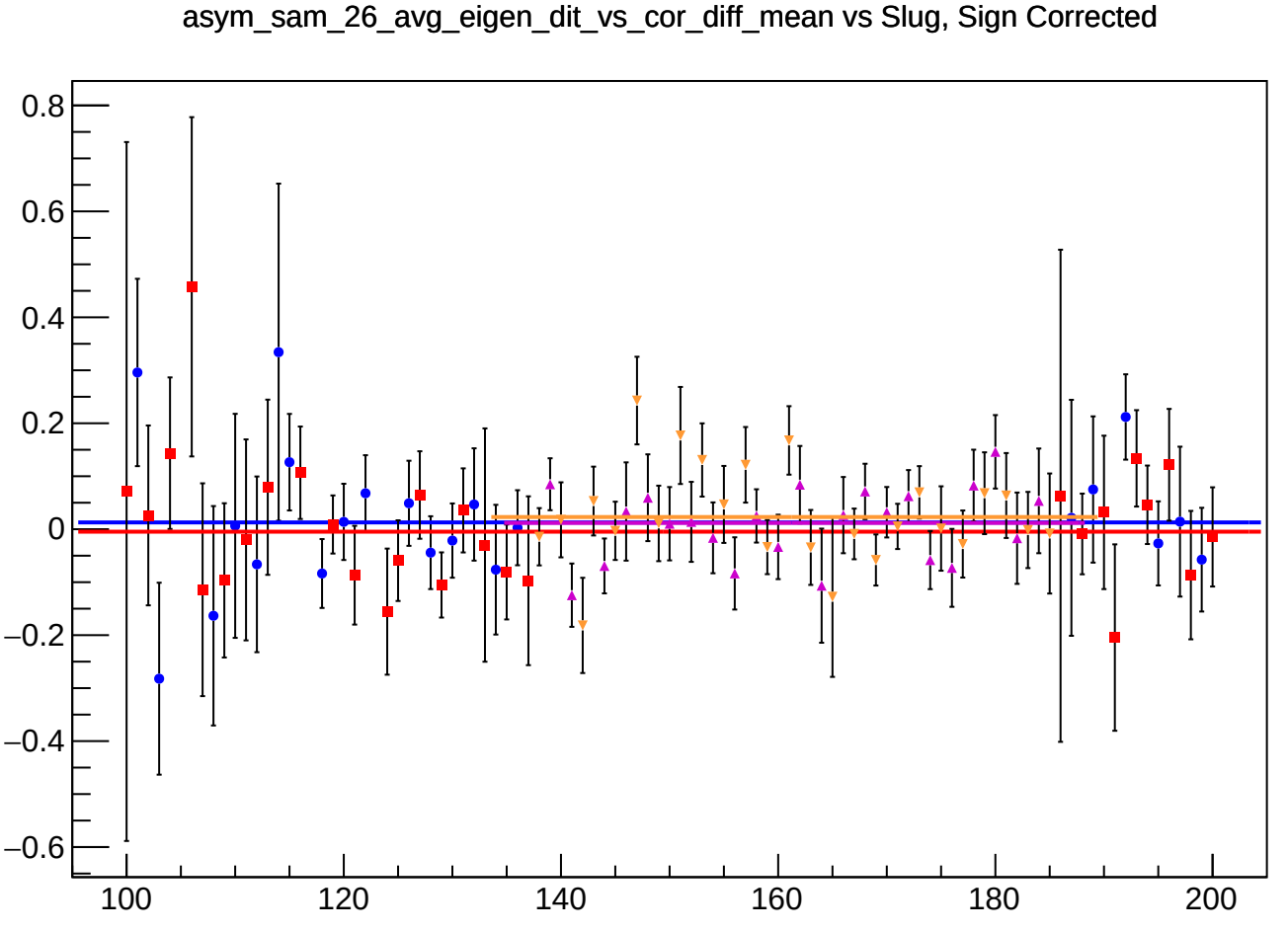
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11515339.3/49

In: 0.003+/-0.000 χ^2/NDF:8610726.5/44

Out: 0.003+/-0.000 χ^2/NDF:10007276.9/52

All: 0.003+/-0.000 χ^2/NDF: 18762848.2/97



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

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

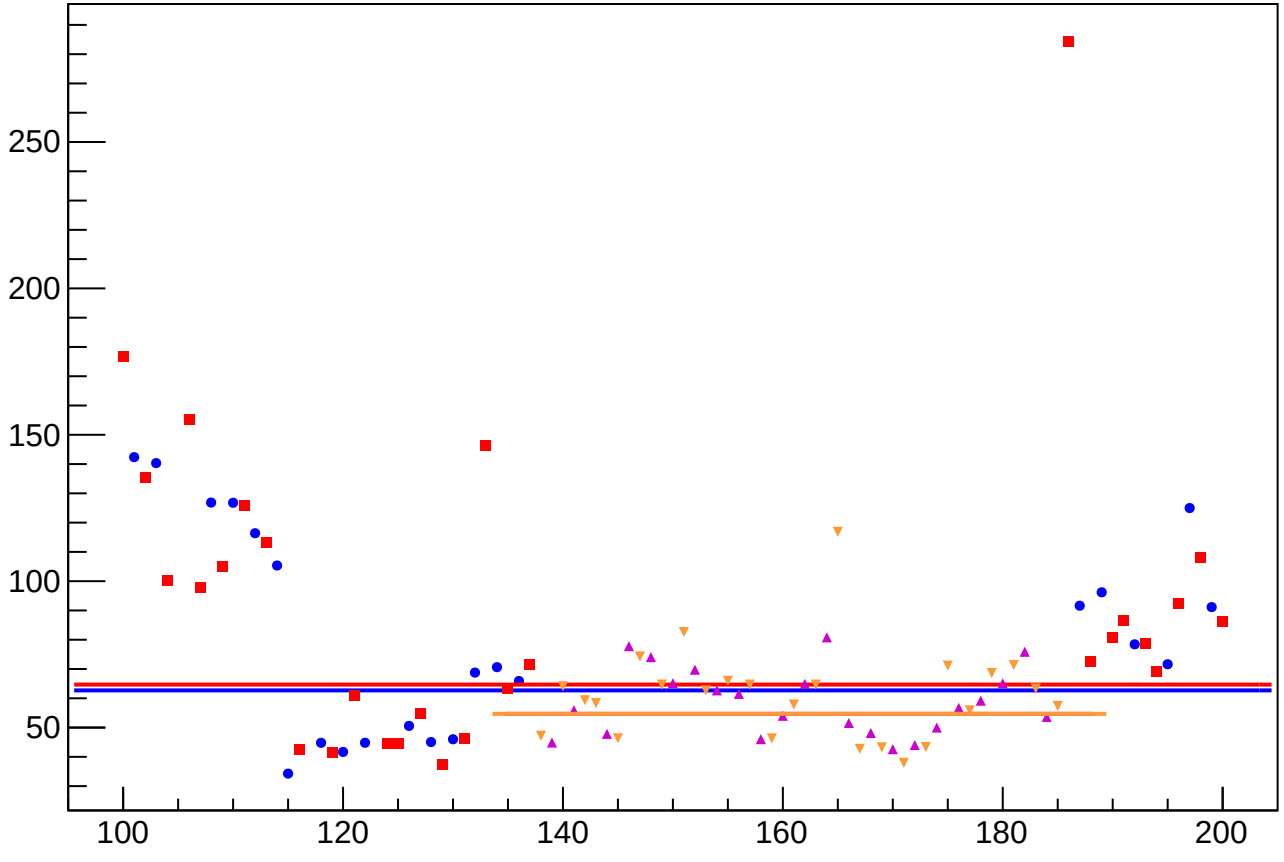
Right: 0.004+/-0.014 χ^2/NDF: 40.3/49

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/97

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

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

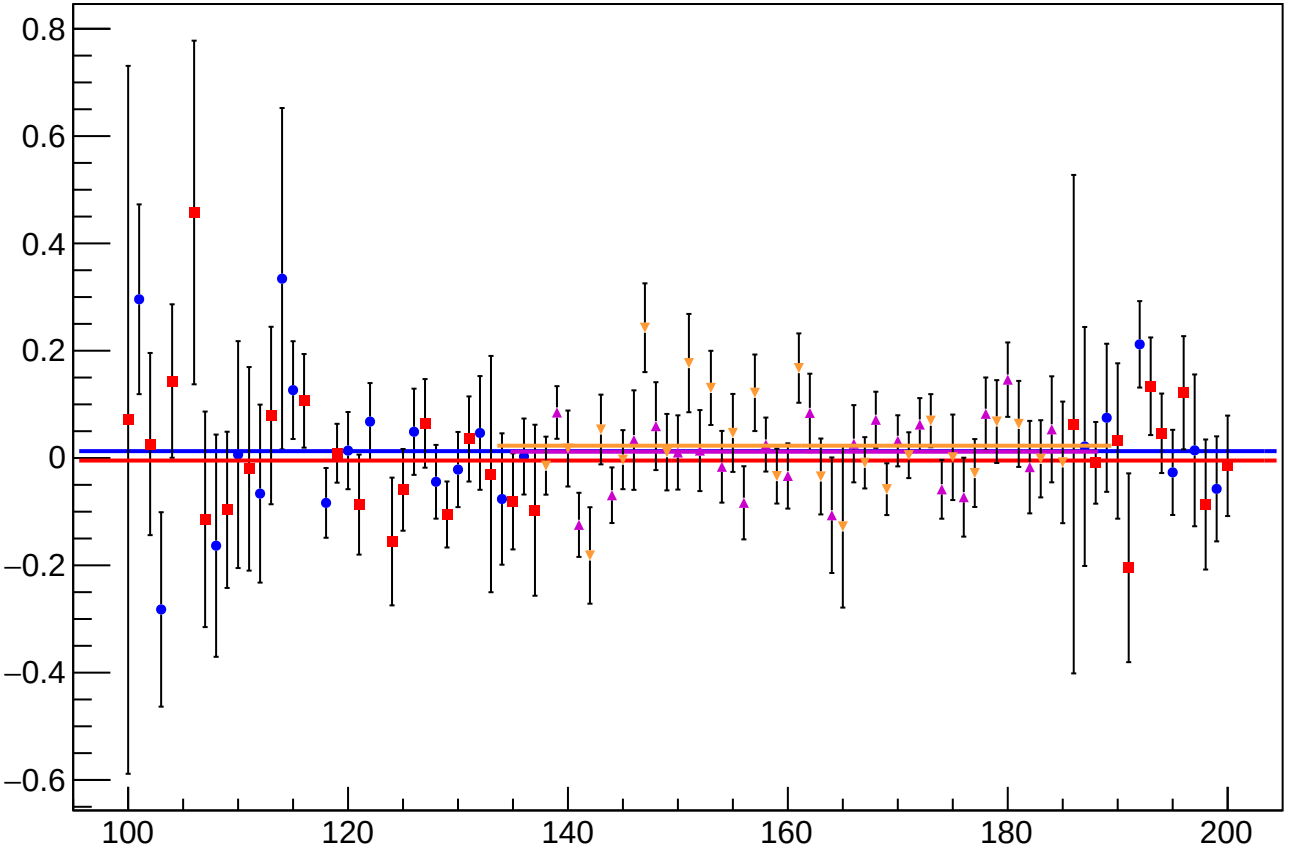
Right: 63.742+/-0.010 χ^2/NDF: 7026892.7/49

In: 57.039+/-0.008 χ^2/NDF:4559742.6/44

Out: 57.747+/-0.008 χ^2/NDF:6164611.2/52

All: 57.405+/-0.005 χ^2/NDF: 10728524.0/97

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

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

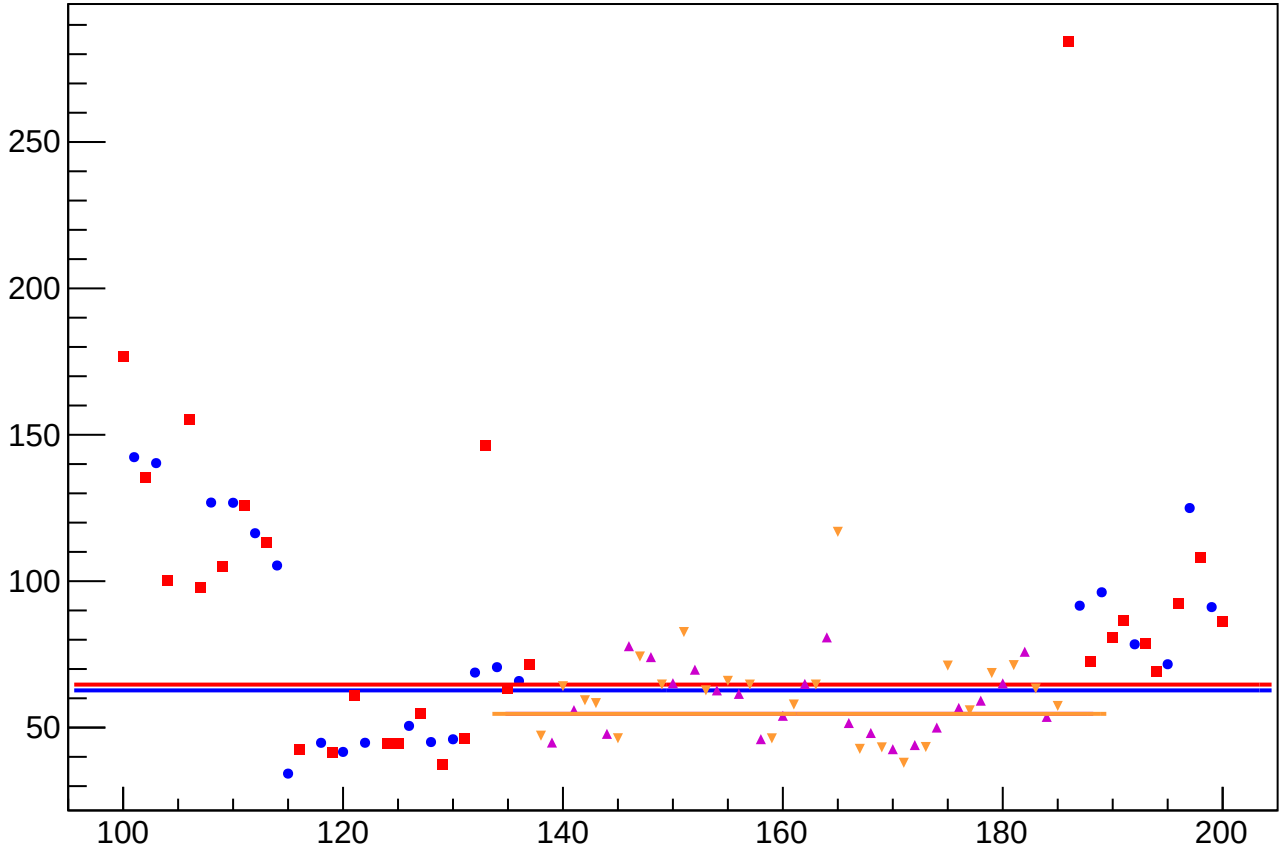
Right: 0.004+/-0.014 χ^2/NDF: 40.3/49

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.1/52

All: 0.013+/-0.008 χ^2/NDF: 101.4/97

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

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

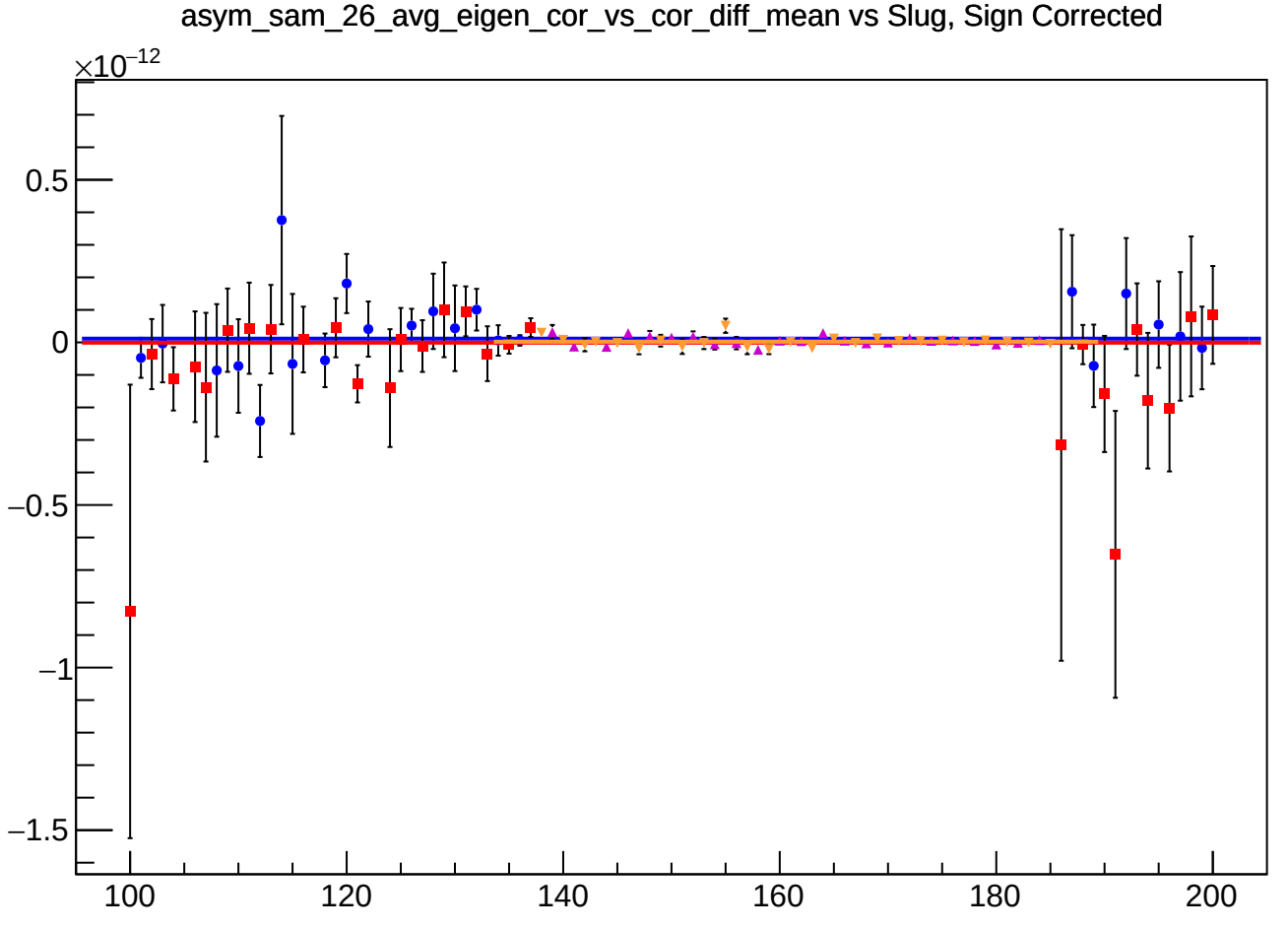
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 63.742+/-0.010 χ^2/NDF: 7026892.7/49

In: 57.039+/-0.008 χ^2/NDF:4559742.6/44

Out: 57.747+/-0.008 χ^2/NDF:6164611.2/52

All: 57.405+/-0.005 χ^2/NDF: 10728524.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/21

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

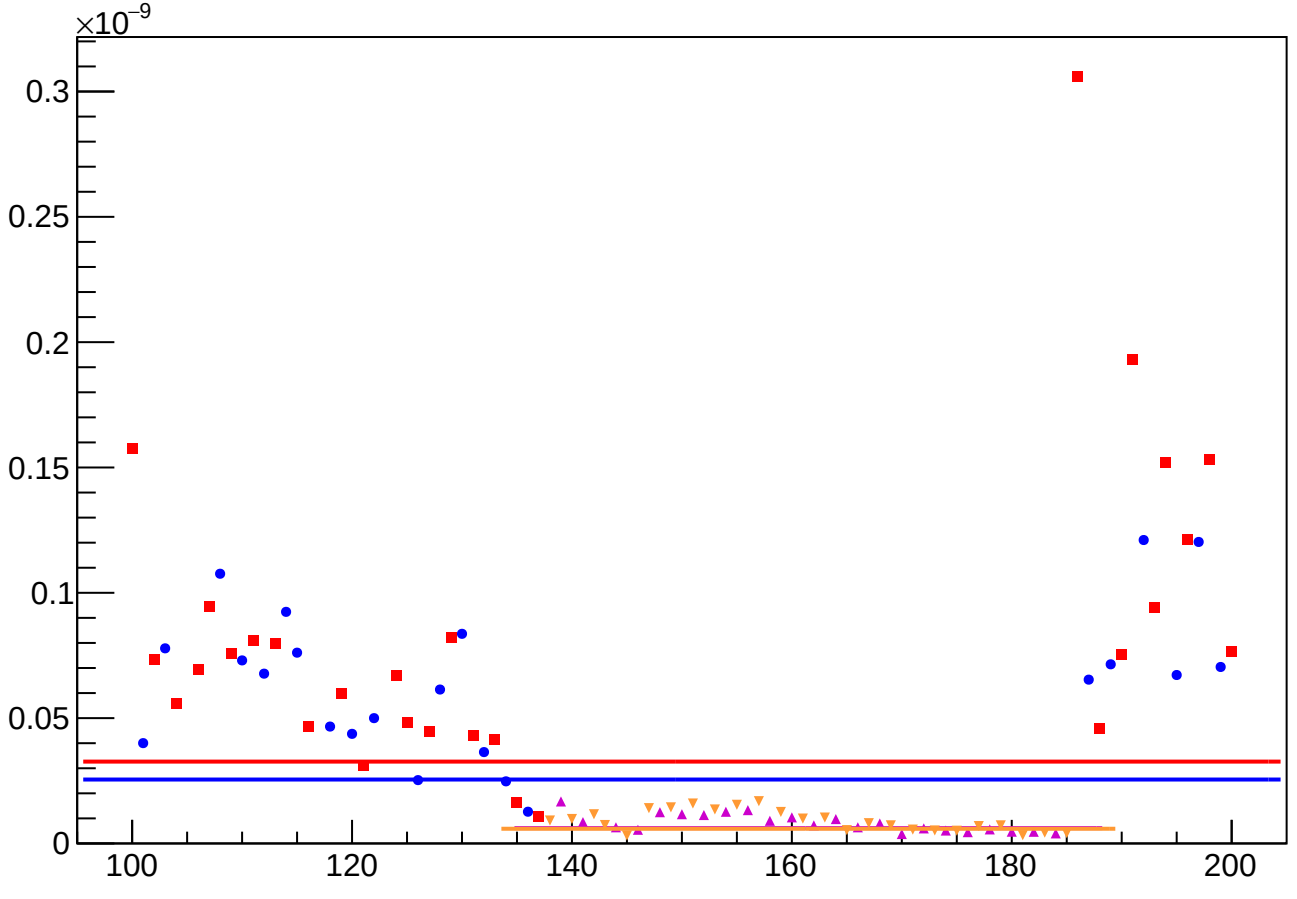
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/49

In: 0.000+/-0.000 χ^2/NDF:51.2/44

Out: 0.000+/-0.000 χ^2/NDF:40.6/52

All: 0.000+/-0.000 χ^2/NDF: 91.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 5709197.8/21

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

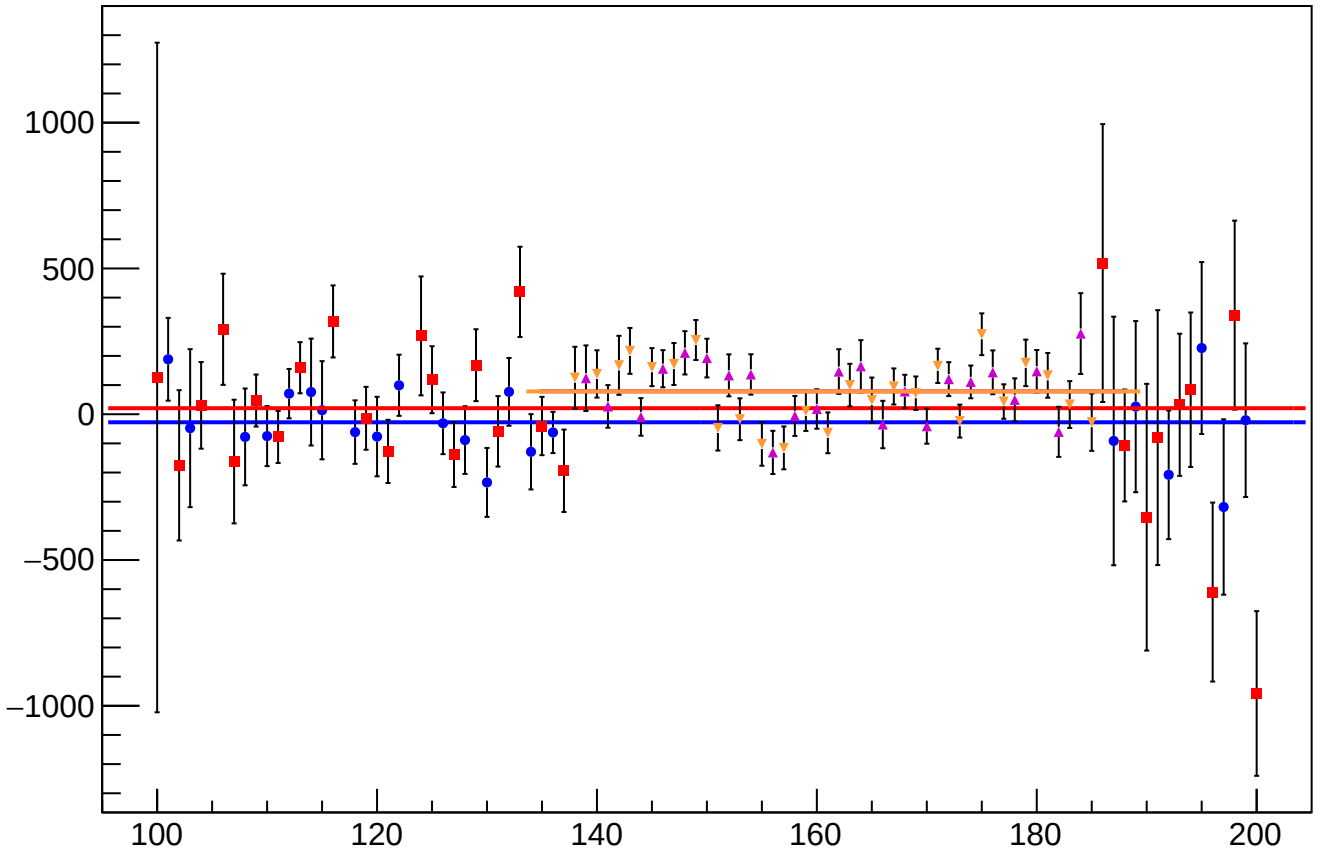
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12872137.7/49

In: 0.000+/-0.000 χ^2/NDF:13590034.1/44

Out: 0.000+/-0.000 χ^2/NDF:18981812.5/52

All: 0.000+/-0.000 χ^2/NDF: 32593994.7/97



Right In: -27.647+/-28.051 χ^2/NDF: 13.4/21

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

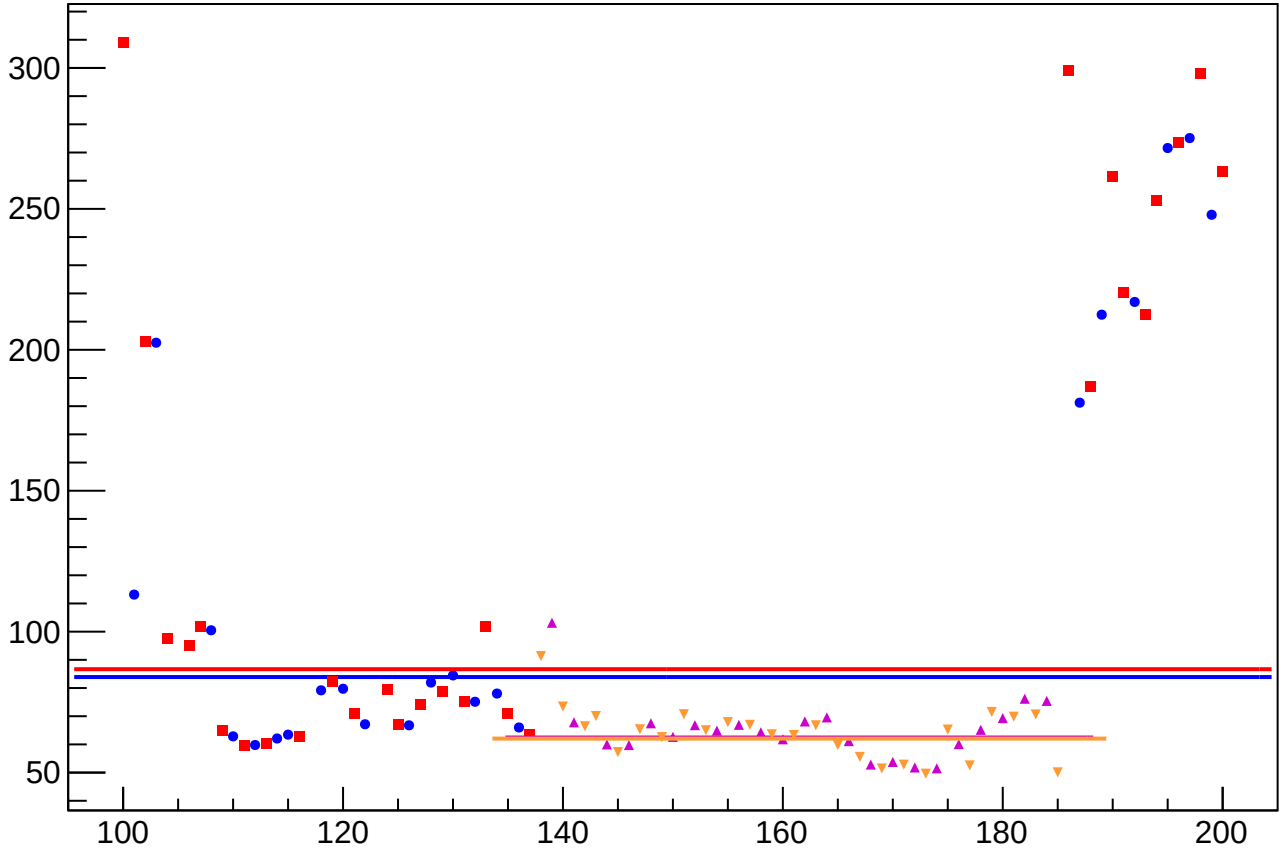
Right: -2.847+/-19.569 χ^2/NDF: 64.8/49

In: 55.363+/-13.098 χ^2/NDF:61.3/44

Out: 65.755+/-12.687 χ^2/NDF:107.2/52

All: 60.725+/-9.113 χ^2/NDF: 168.8/97

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 83.898+/-0.020 χ^2/NDF: 4654913.4/21

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

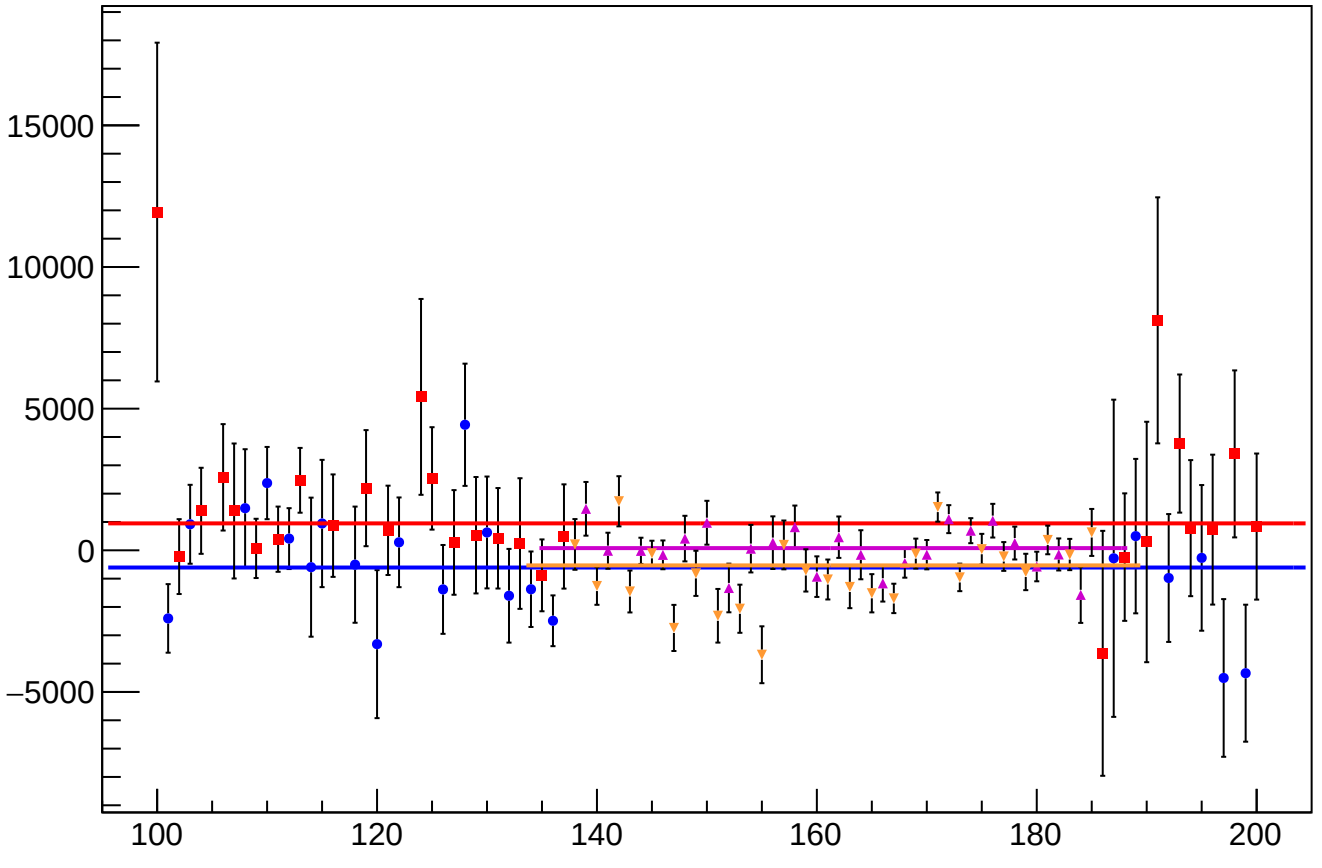
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 85.326+/-0.014 χ^2/NDF: 11123480.9/49

In: 67.122+/-0.009 χ^2/NDF:6234275.5/44

Out: 67.374+/-0.009 χ^2/NDF:8419228.5/52

All: 67.252+/-0.006 χ^2/NDF: 14653884.7/97



Right In: -607.585+/-355.240 χ^2/NDF: 28.4/21

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

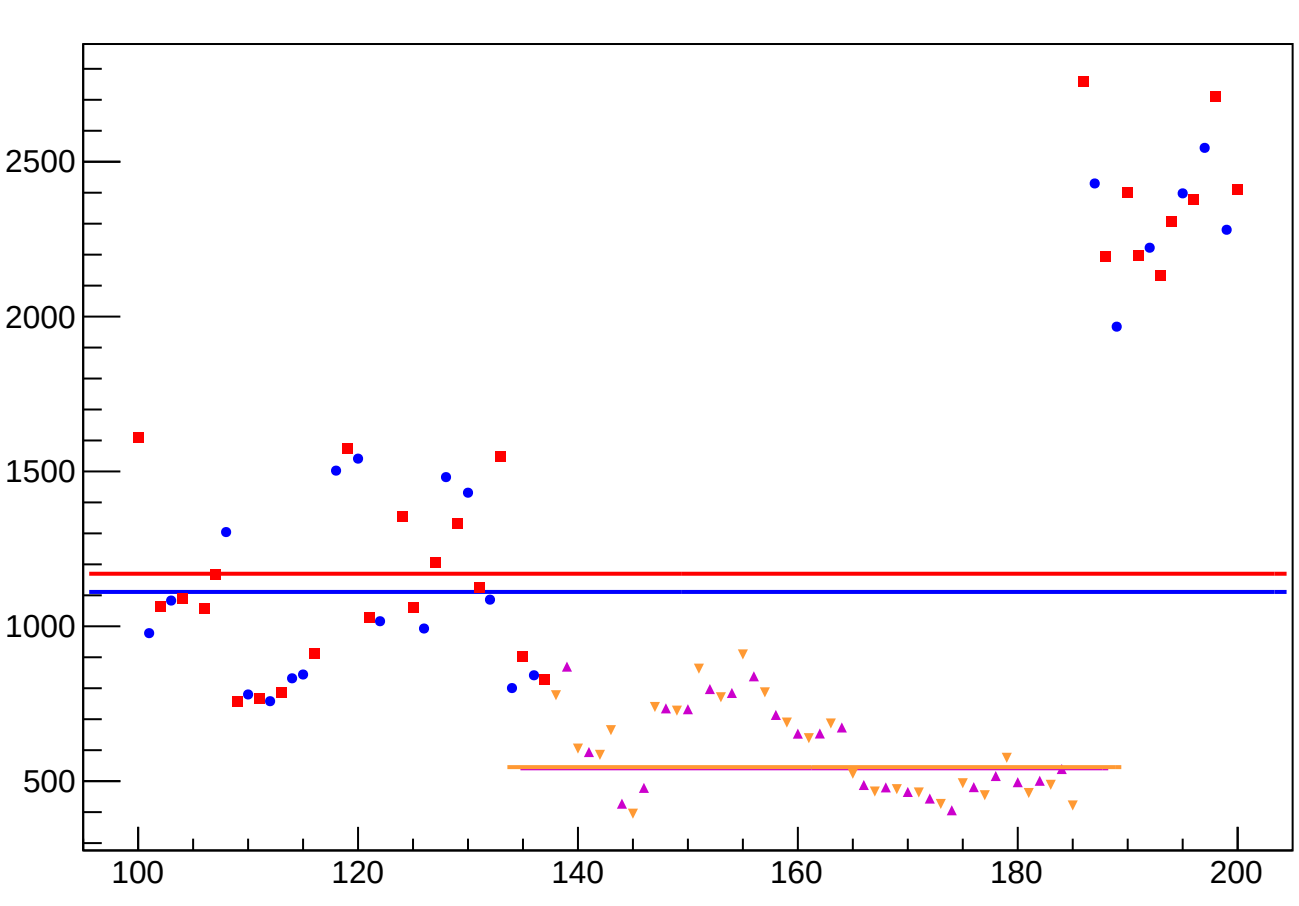
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 190.723+/-248.063 χ^2/NDF: 57.5/49

In: -3.854+/-122.345 χ^2/NDF:60.0/44

Out: -354.902+/-120.011 χ^2/NDF:104.5/52

All: -182.758+/-85.674 χ^2/NDF: 168.7/97



Right In: 1110.959+/-0.251 χ^2/NDF: 3286724.5/21

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

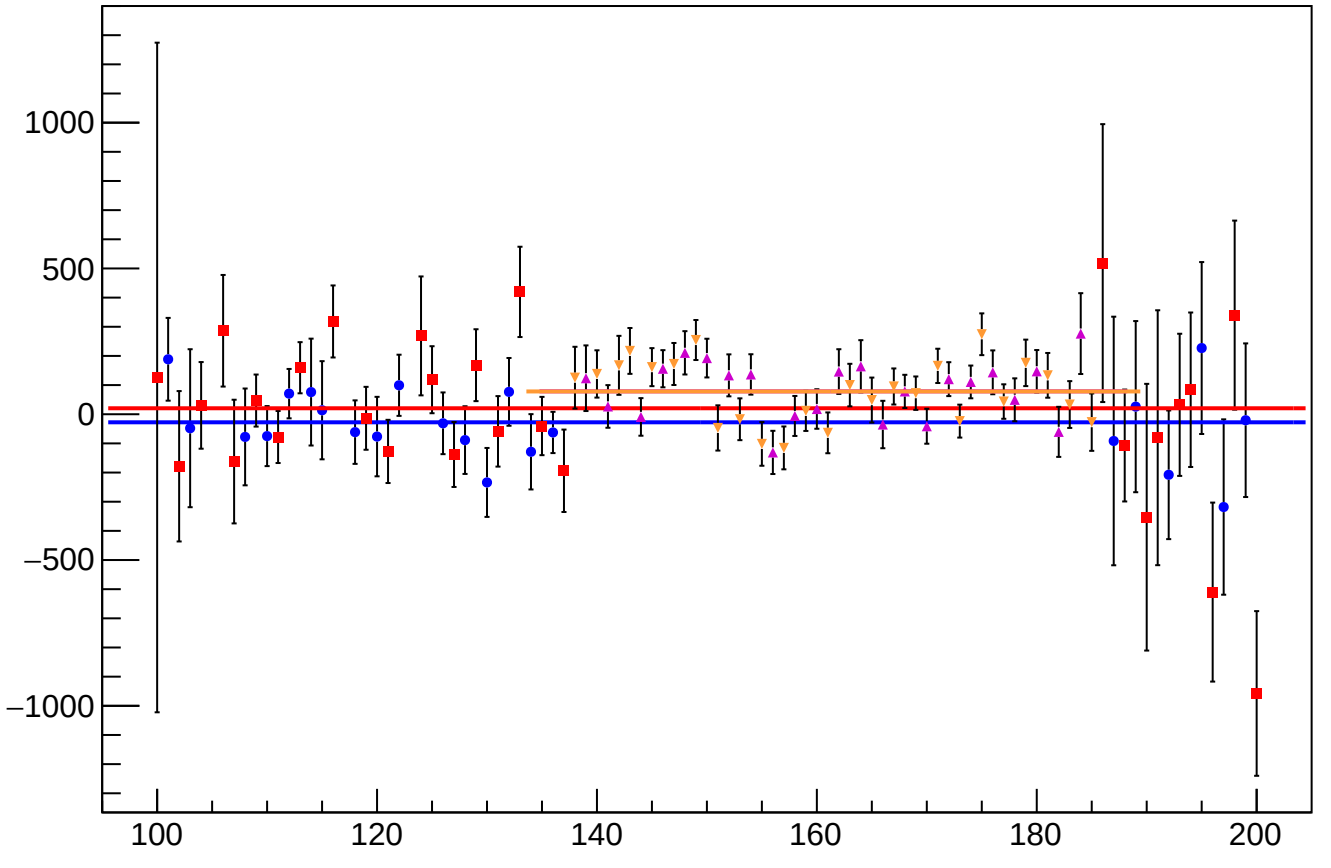
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1141.061+/-0.175 χ^2/NDF: 7654428.9/49

In: 609.007+/-0.087 χ^2/NDF:9657547.5/44

Out: 620.186+/-0.085 χ^2/NDF:12137512.7/52

All: 614.704+/-0.061 χ^2/NDF: 21803569.7/97



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

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

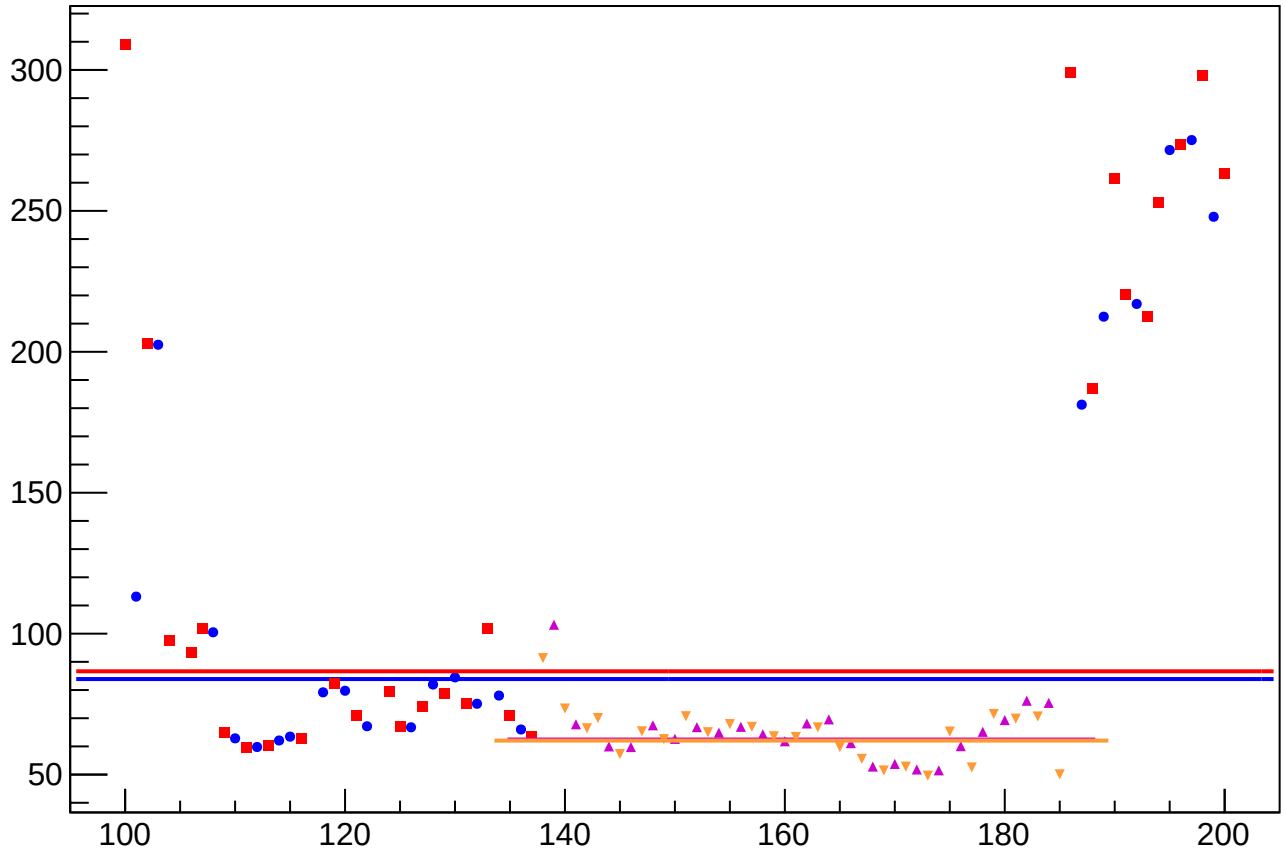
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -2.949+/-19.570 χ^2/NDF: 64.7/49

In: 55.361+/-13.098 χ^2/NDF:61.3/44

Out: 65.719+/-12.687 χ^2/NDF:107.2/52

All: 60.705+/-9.113 χ^2/NDF: 168.8/97



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

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

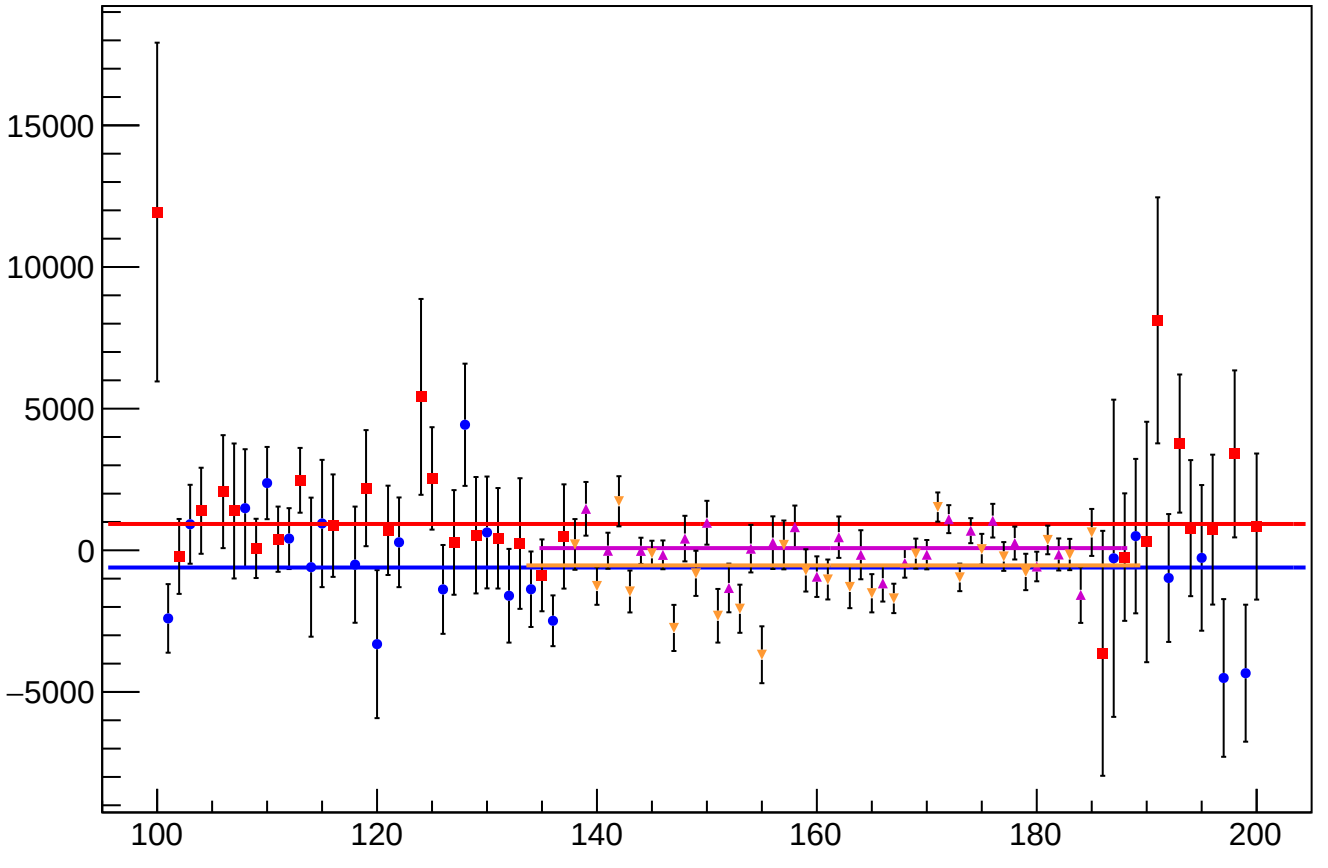
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 85.308+/-0.014 χ^2/NDF: 11122014.8/49

In: 67.122+/-0.009 χ^2/NDF:6234277.4/44

Out: 67.365+/-0.009 χ^2/NDF:8414094.1/52

All: 67.248+/-0.006 χ^2/NDF: 14648726.7/97



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

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

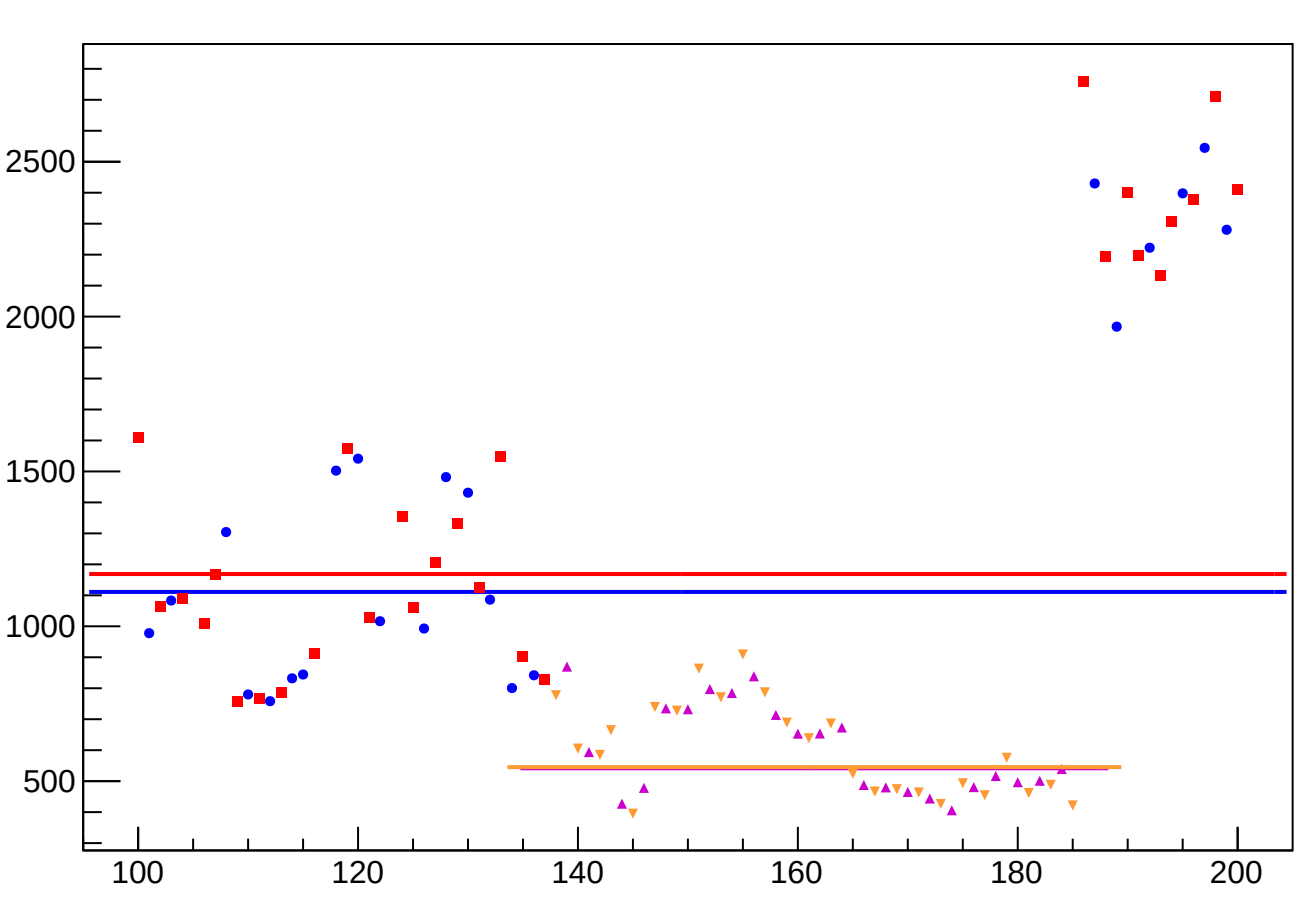
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 178.447+/-248.316 χ^2/NDF: 56.8/49

In: -3.852+/-122.345 χ^2/NDF:60.0/44

Out: -358.030+/-120.039 χ^2/NDF:103.6/52

All: -184.310+/-85.684 χ^2/NDF: 167.9/97



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

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

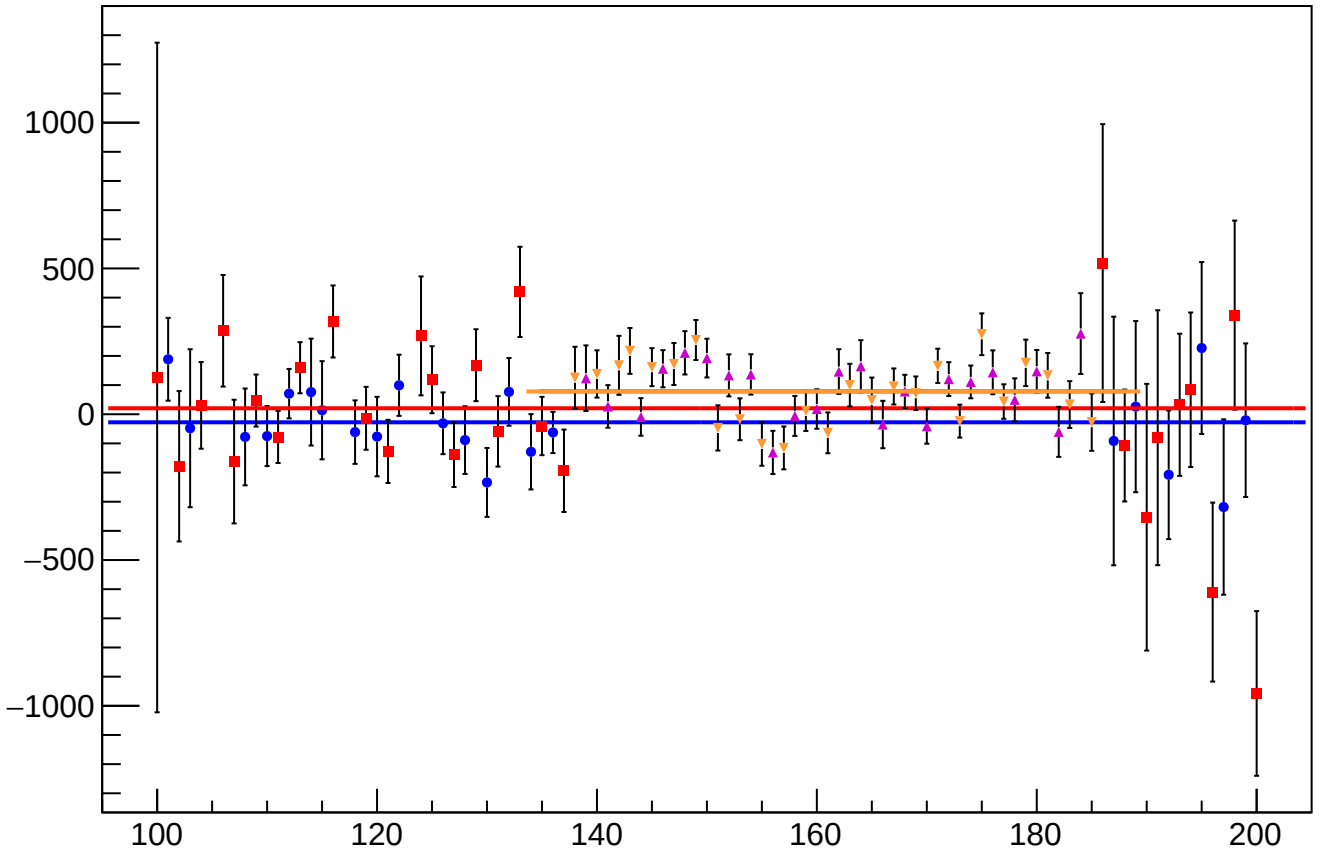
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1140.515+/-0.176 χ^2/NDF: 7659033.4/49

In: 609.008+/-0.087 χ^2/NDF:9657603.7/44

Out: 619.810+/-0.085 χ^2/NDF:12105650.8/52

All: 614.512+/-0.061 χ^2/NDF: 21771198.9/97



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

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

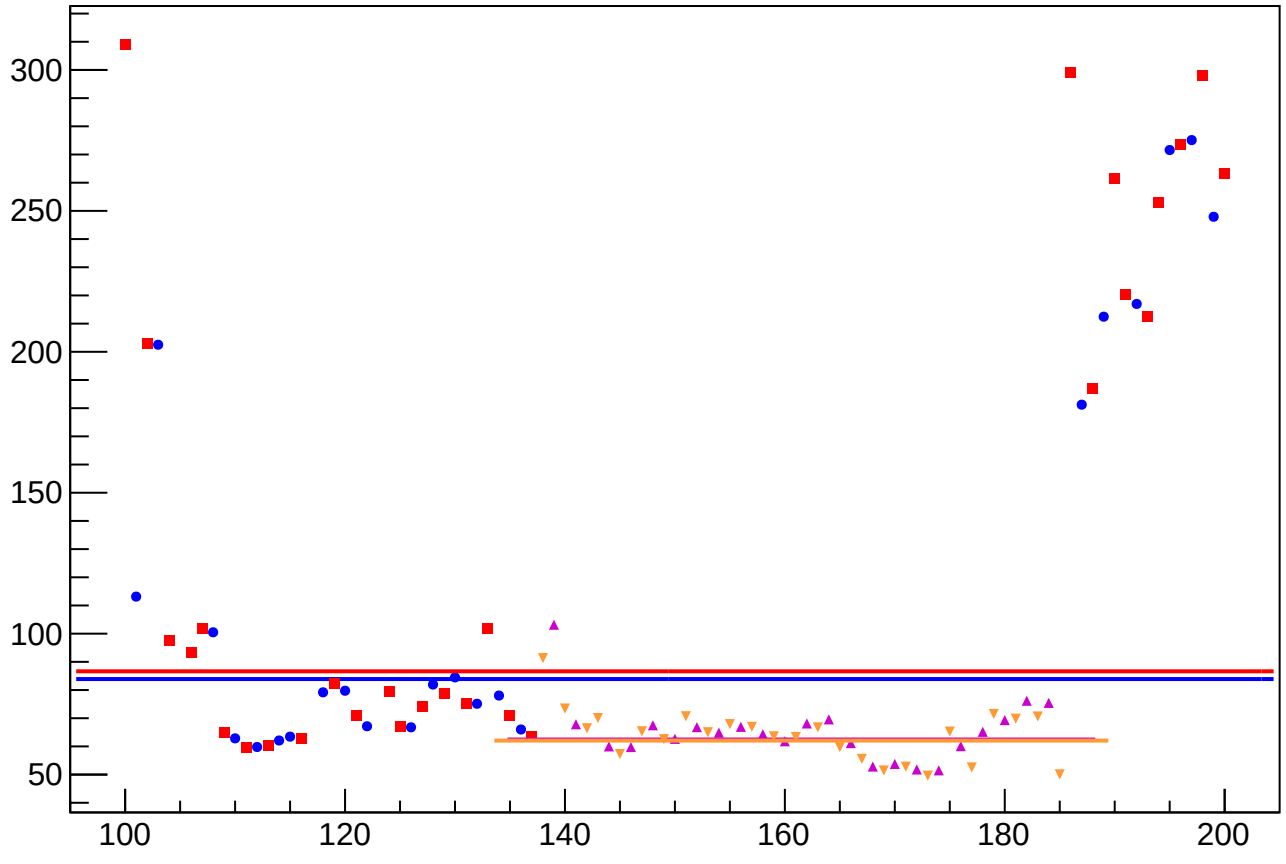
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -2.949+/-19.570 χ^2/NDF: 64.7/49

In: 55.361+/-13.098 χ^2/NDF:61.3/44

Out: 65.719+/-12.687 χ^2/NDF:107.2/52

All: 60.705+/-9.113 χ^2/NDF: 168.8/97



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

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

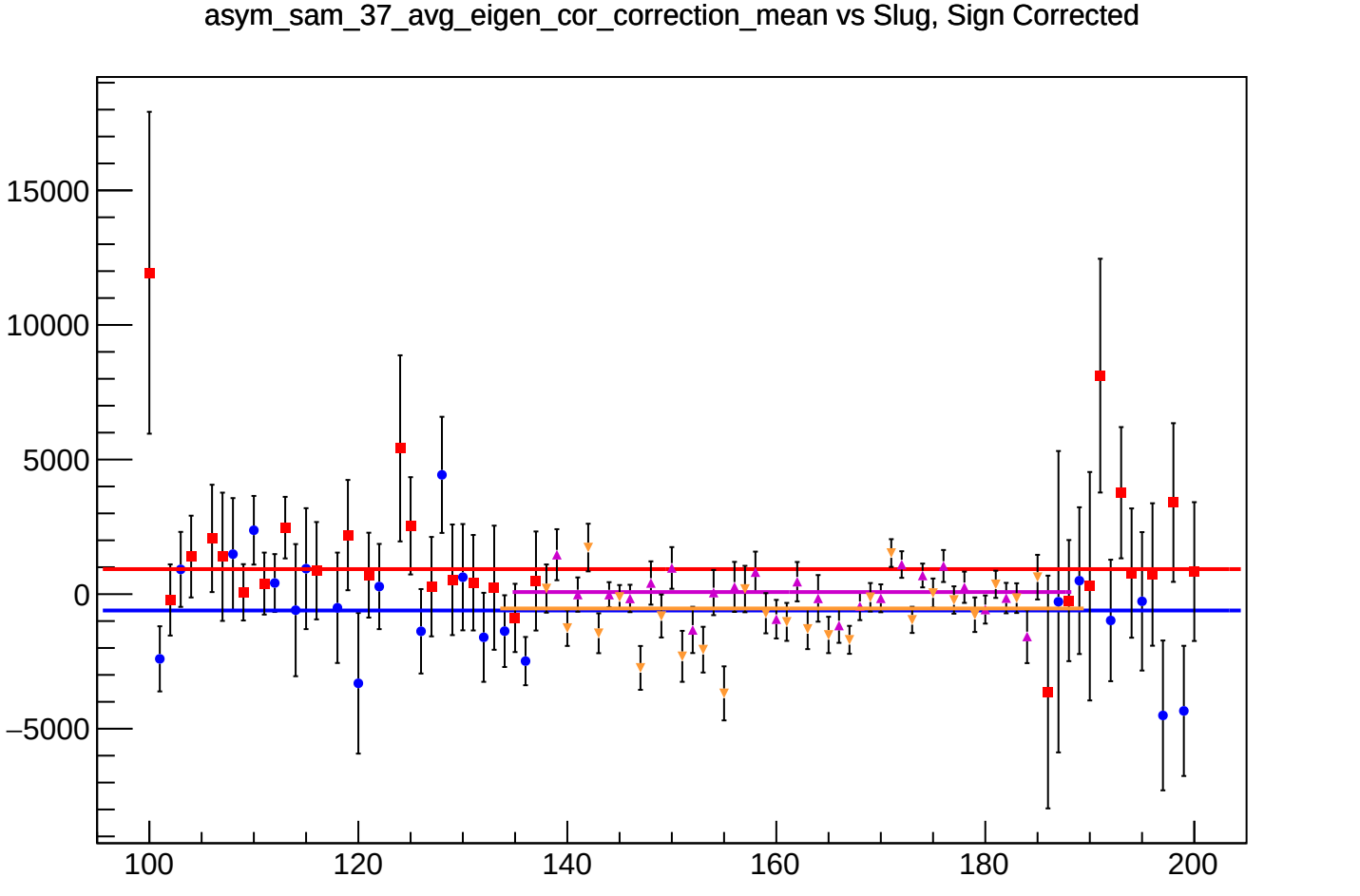
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 85.308+/-0.014 χ^2/NDF: 11122014.8/49

In: 67.122+/-0.009 χ^2/NDF:6234277.4/44

Out: 67.365+/-0.009 χ^2/NDF:8414094.1/52

All: 67.248+/-0.006 χ^2/NDF: 14648726.7/97



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

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

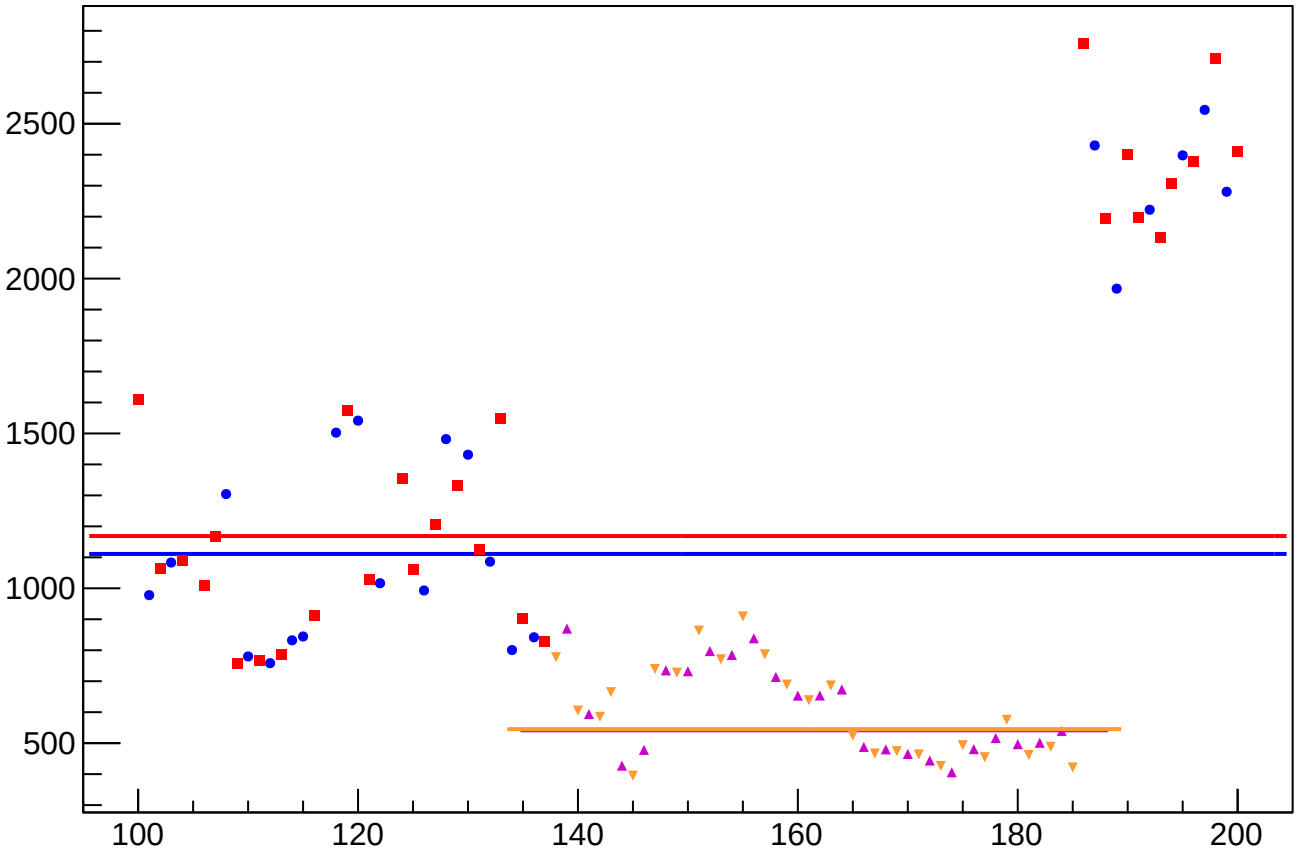
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 178.447+/-248.316 χ^2/NDF: 56.8/49

In: -3.852+/-122.345 χ^2/NDF:60.0/44

Out: -358.030+/-120.039 χ^2/NDF:103.6/52

All: -184.310+/-85.684 χ^2/NDF: 167.9/97



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

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

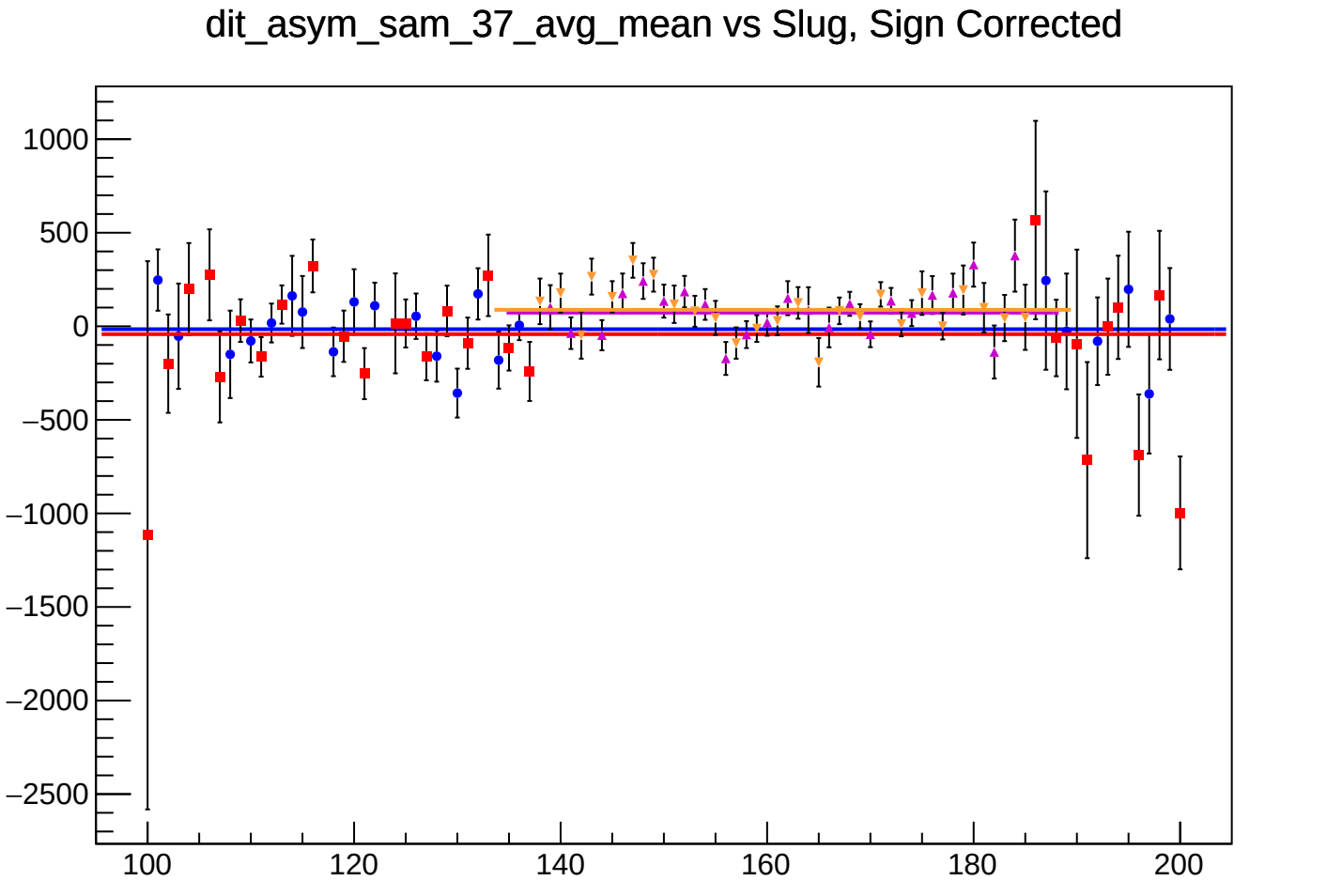
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1140.515+/-0.176 χ^2/NDF: 7659033.4/49

In: 609.008+/-0.087 χ^2/NDF:9657603.7/44

Out: 619.810+/-0.085 χ^2/NDF:12105650.8/52

All: 614.512+/-0.061 χ^2/NDF: 21771198.9/97



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

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

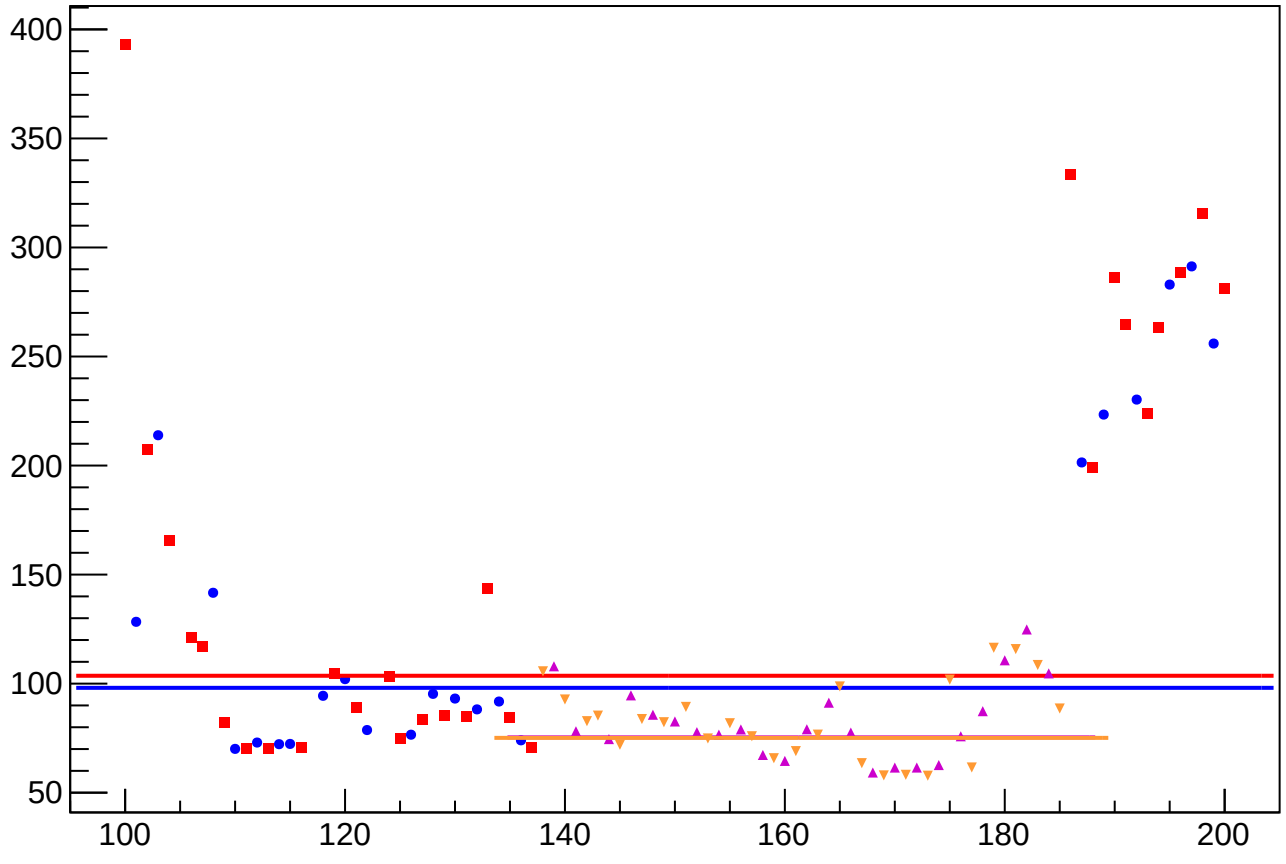
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -28.939+/-22.953 χ^2/NDF: 62.1/49

In: 51.642+/-15.935 χ^2/NDF:64.4/44

Out: 57.973+/-15.561 χ^2/NDF:90.8/52

All: 54.882+/-11.133 χ^2/NDF: 155.3/97



Right In: 98.073+/-0.023 χ^2/NDF: 4282382.0/21

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

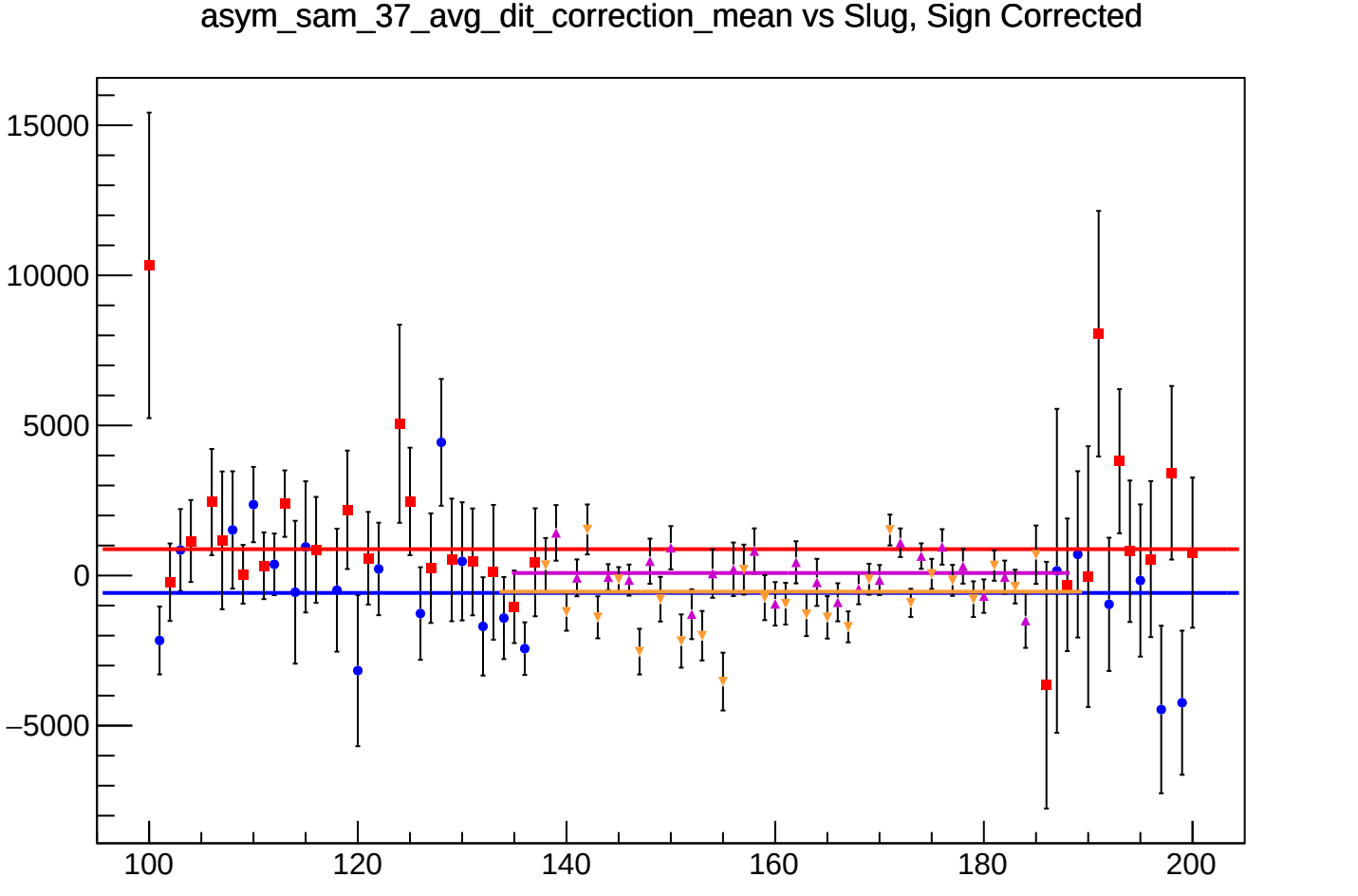
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

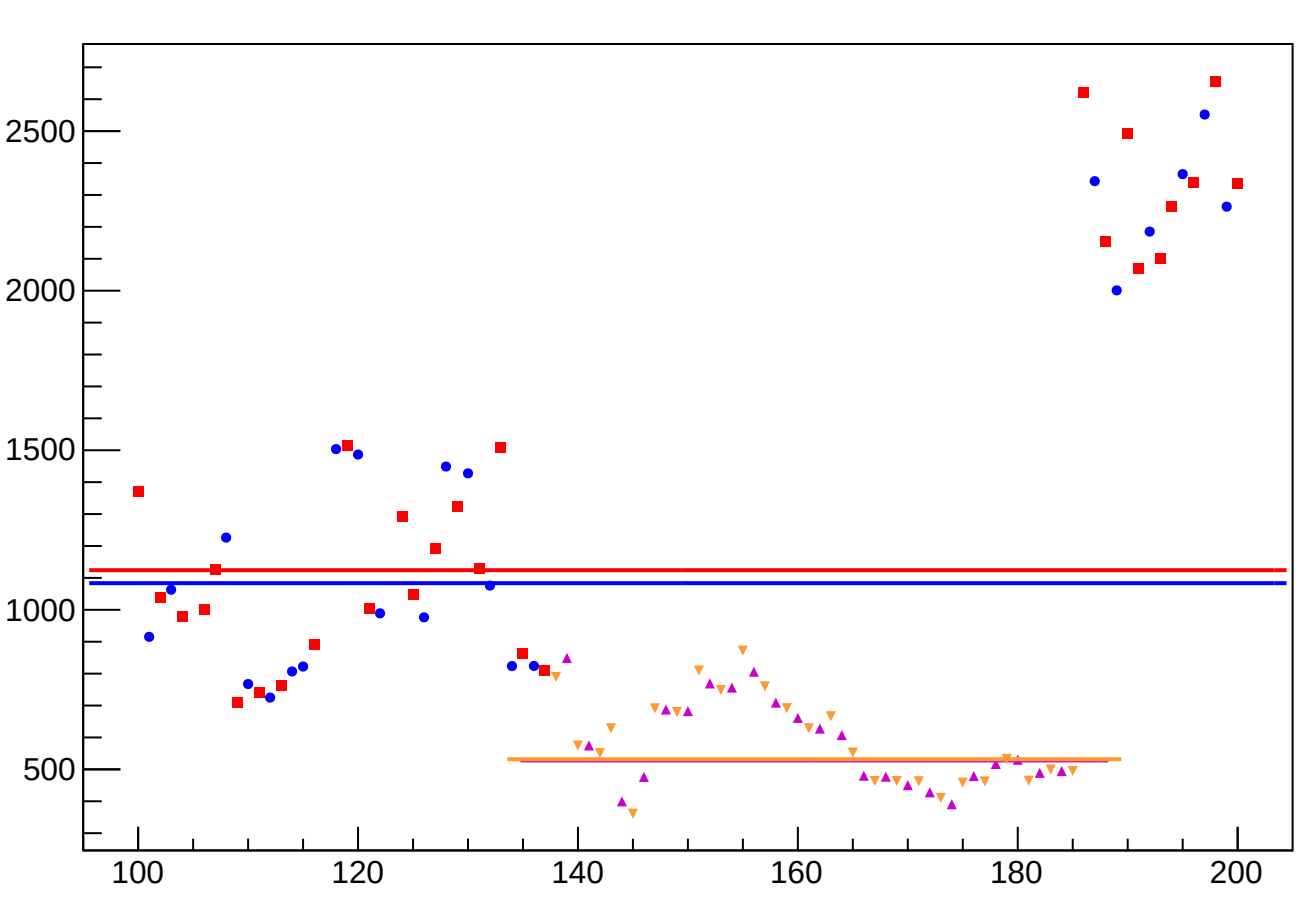
Right: 100.854+/-0.016 χ^2/NDF: 10357645.6/49

In: 80.808+/-0.011 χ^2/NDF:6248210.9/44

Out: 81.705+/-0.011 χ^2/NDF:8837399.6/52

All: 81.267+/-0.008 χ^2/NDF: 15088850.2/97


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -578.874+/-346.965 χ²/NDF: 28.4/21
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 878.402+/-333.953 χ²/NDF: 20.6/27
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 177.602+/-240.609 χ²/NDF: 58.1/49
In: 6.229+/-119.294 χ²/NDF:59.1/44
Out: -364.170+/-116.633 χ²/NDF:103.4/52
All: -183.148+/-83.397 χ²/NDF: 167.4/97



Right In: 1083.479+/-0.245 χ^2/NDF: 3372985.1/21

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

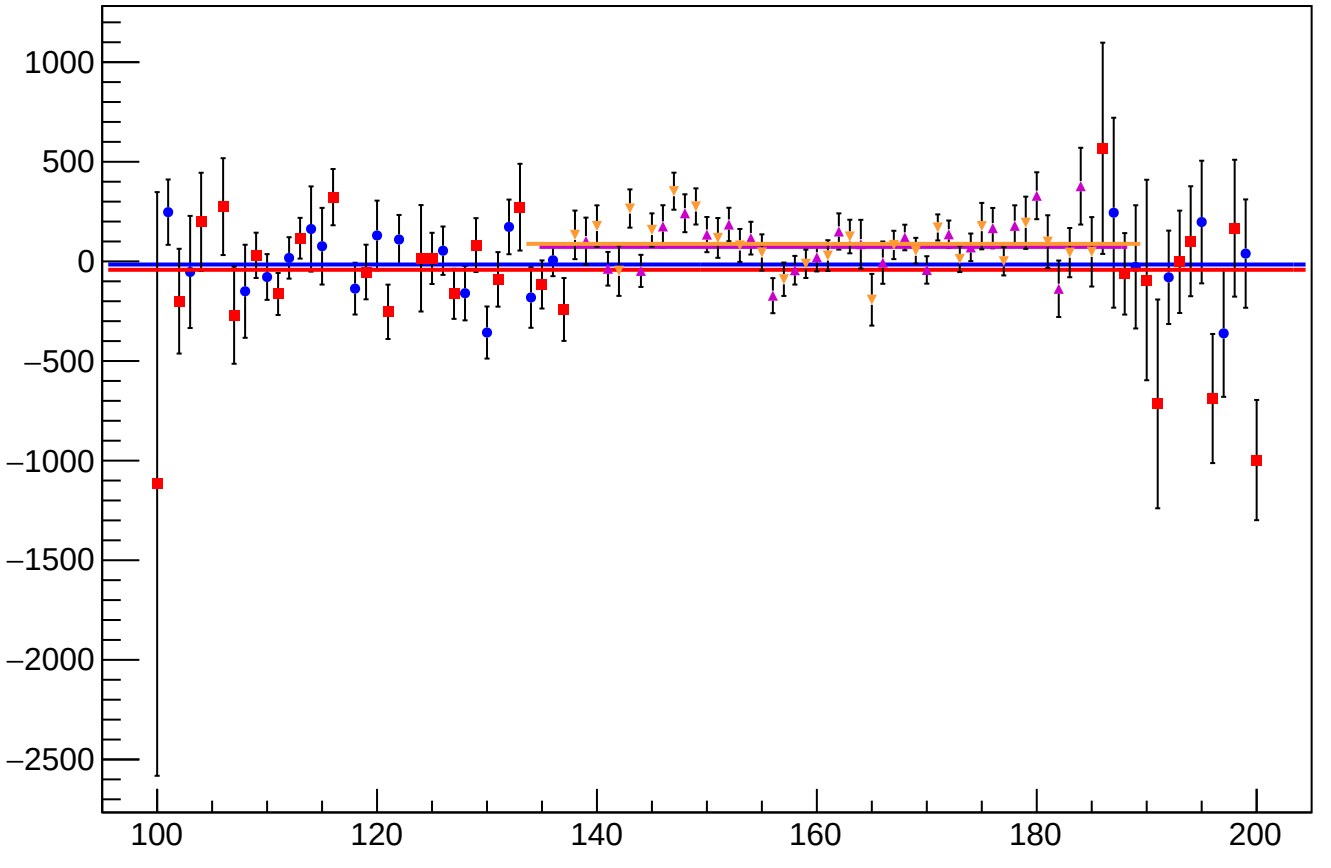
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1104.592+/-0.170 χ^2/NDF: 7886674.6/49

In: 593.653+/-0.084 χ^2/NDF:9693863.7/44

Out: 604.116+/-0.082 χ^2/NDF:12060711.0/52

All: 599.002+/-0.059 χ^2/NDF: 21762441.4/97



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

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

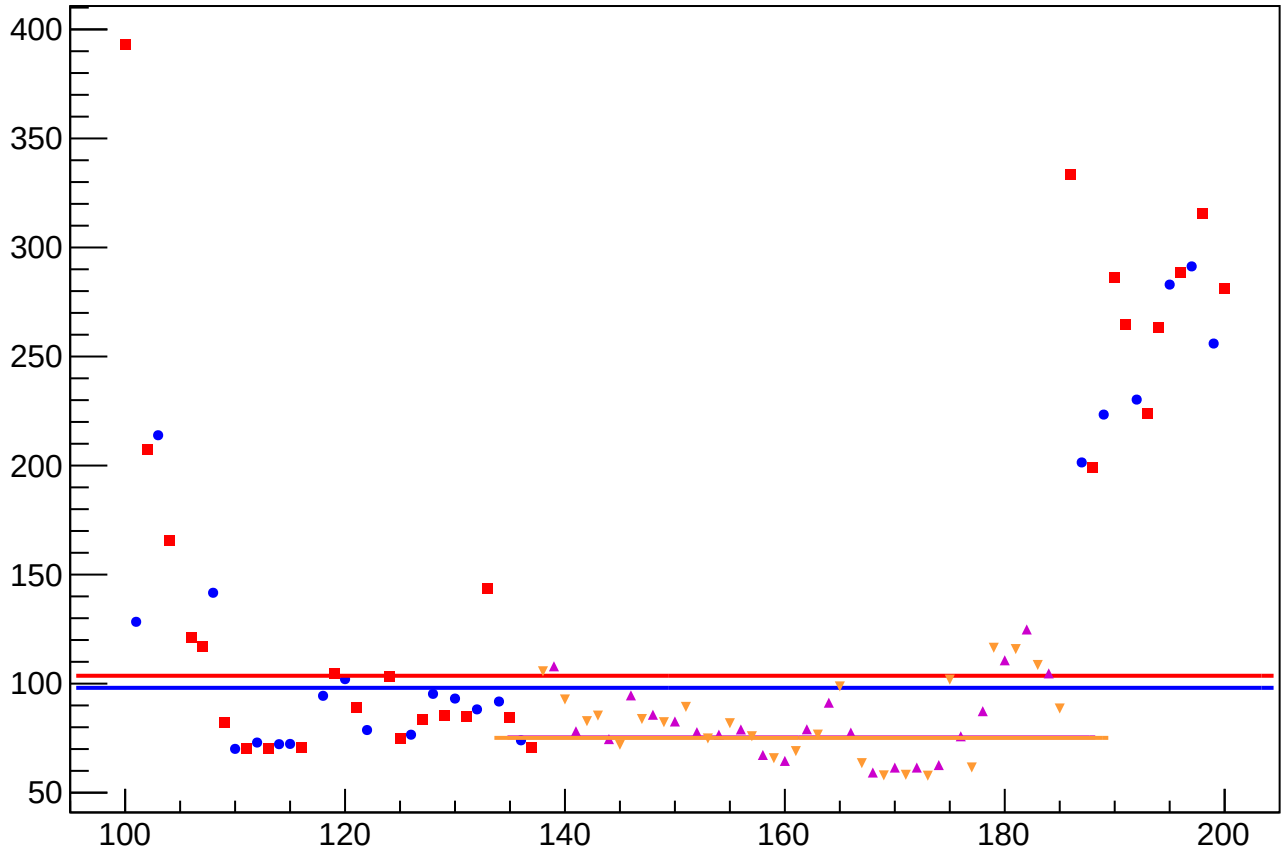
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -28.941+/-22.954 χ^2/NDF: 62.1/49

In: 51.641+/-15.935 χ^2/NDF:64.4/44

Out: 57.973+/-15.561 χ^2/NDF:90.8/52

All: 54.882+/-11.133 χ^2/NDF: 155.3/97



Right In: 98.073+/-0.023 χ^2/NDF: 4282359.5/21

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

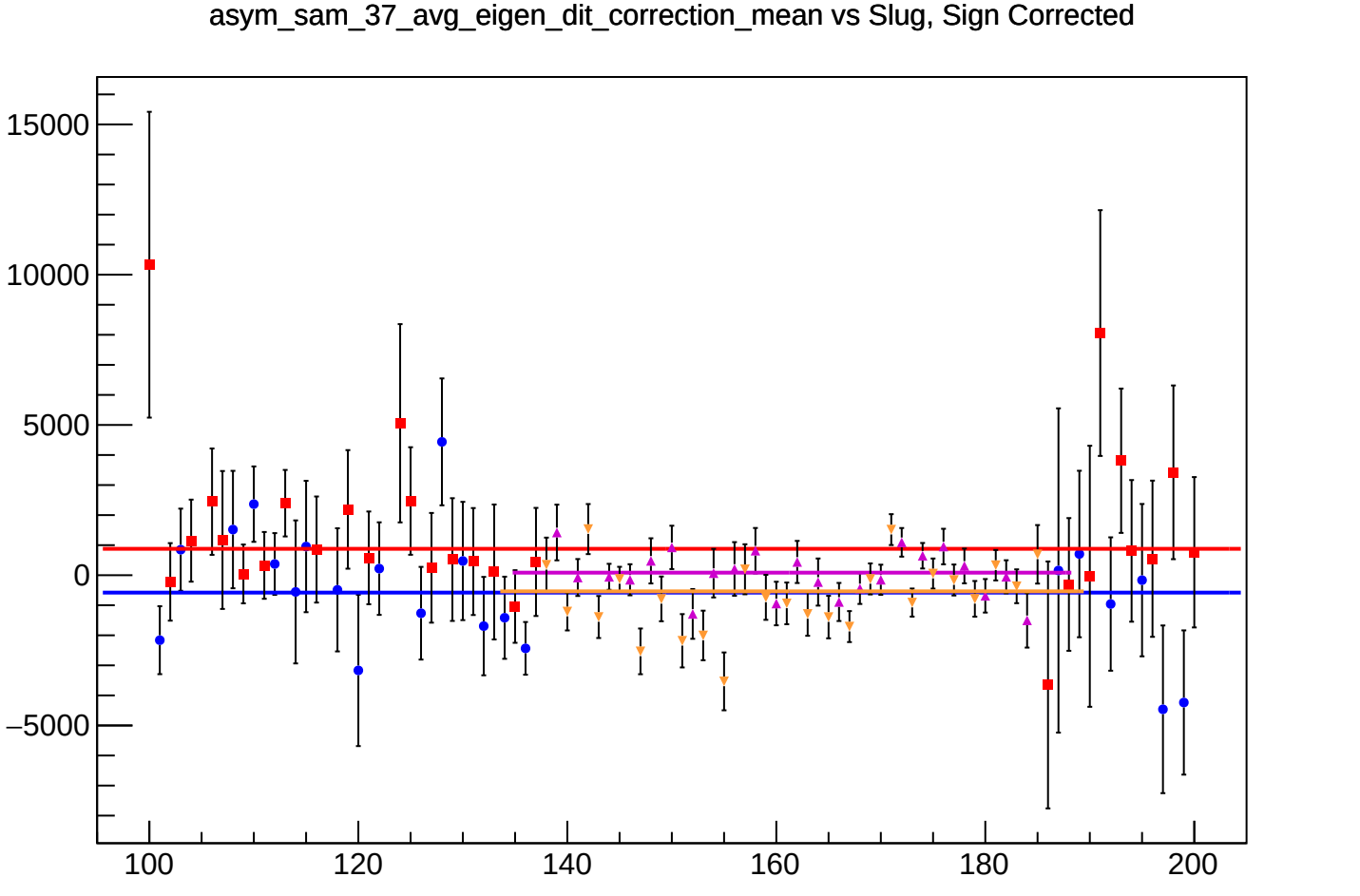
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

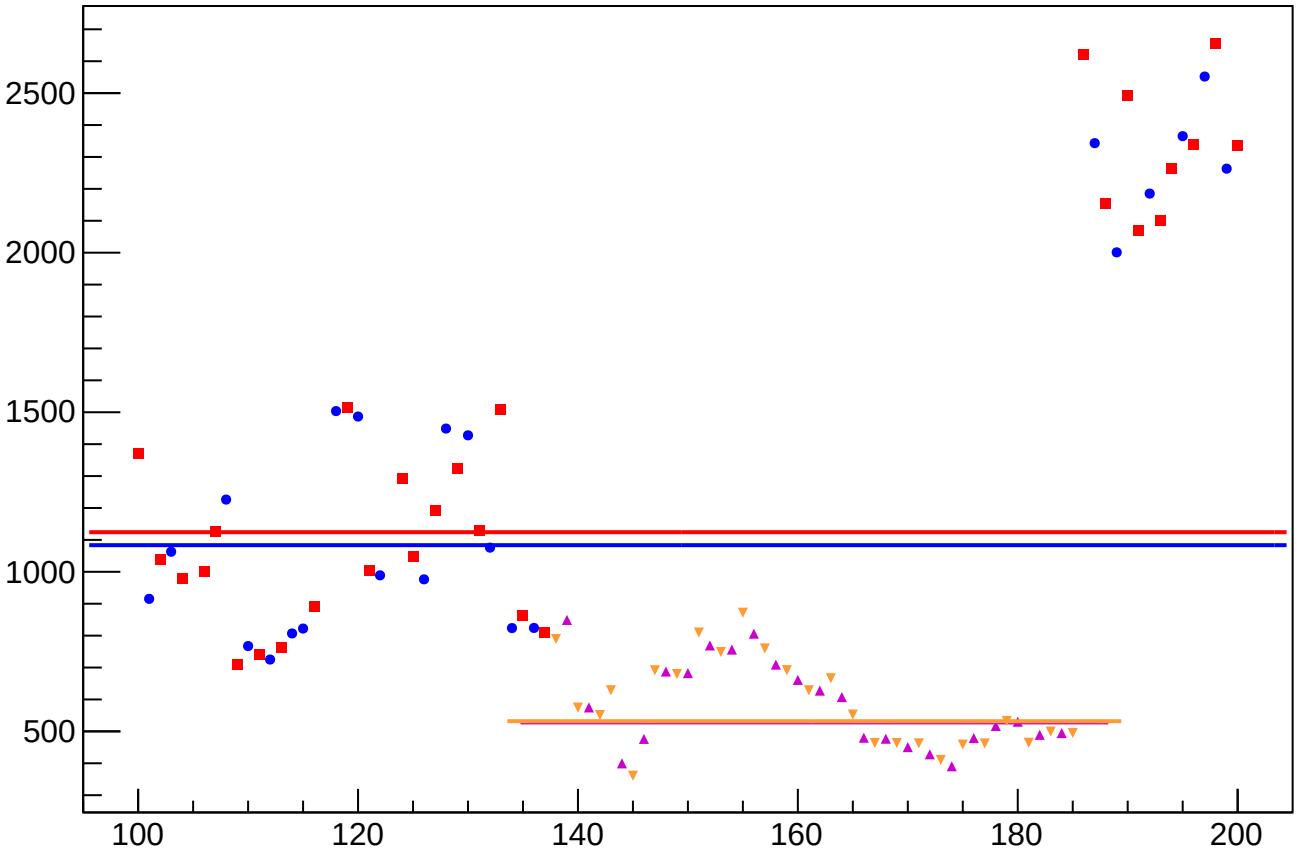
Right: 100.854+/-0.016 χ^2/NDF: 10357600.5/49

In: 80.809+/-0.011 χ^2/NDF:6248197.6/44

Out: 81.705+/-0.011 χ^2/NDF:8837391.7/52

All: 81.268+/-0.008 χ^2/NDF: 15088829.3/97


asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -578.872+/-346.965 χ²/NDF: 28.4/21
Left Out: -536.790+/-124.471 χ²/NDF:67.0/24
Right Out: 878.401+/-333.953 χ²/NDF: 20.6/27
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 177.603+/-240.609 χ²/NDF: 58.1/49
In: 6.228+/-119.294 χ²/NDF:59.1/44
Out: -364.170+/-116.633 χ²/NDF:103.4/52
All: -183.148+/-83.397 χ²/NDF: 167.4/97



Right In: 1083.477+/-0.245 χ^2/NDF: 3372990.8/21

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

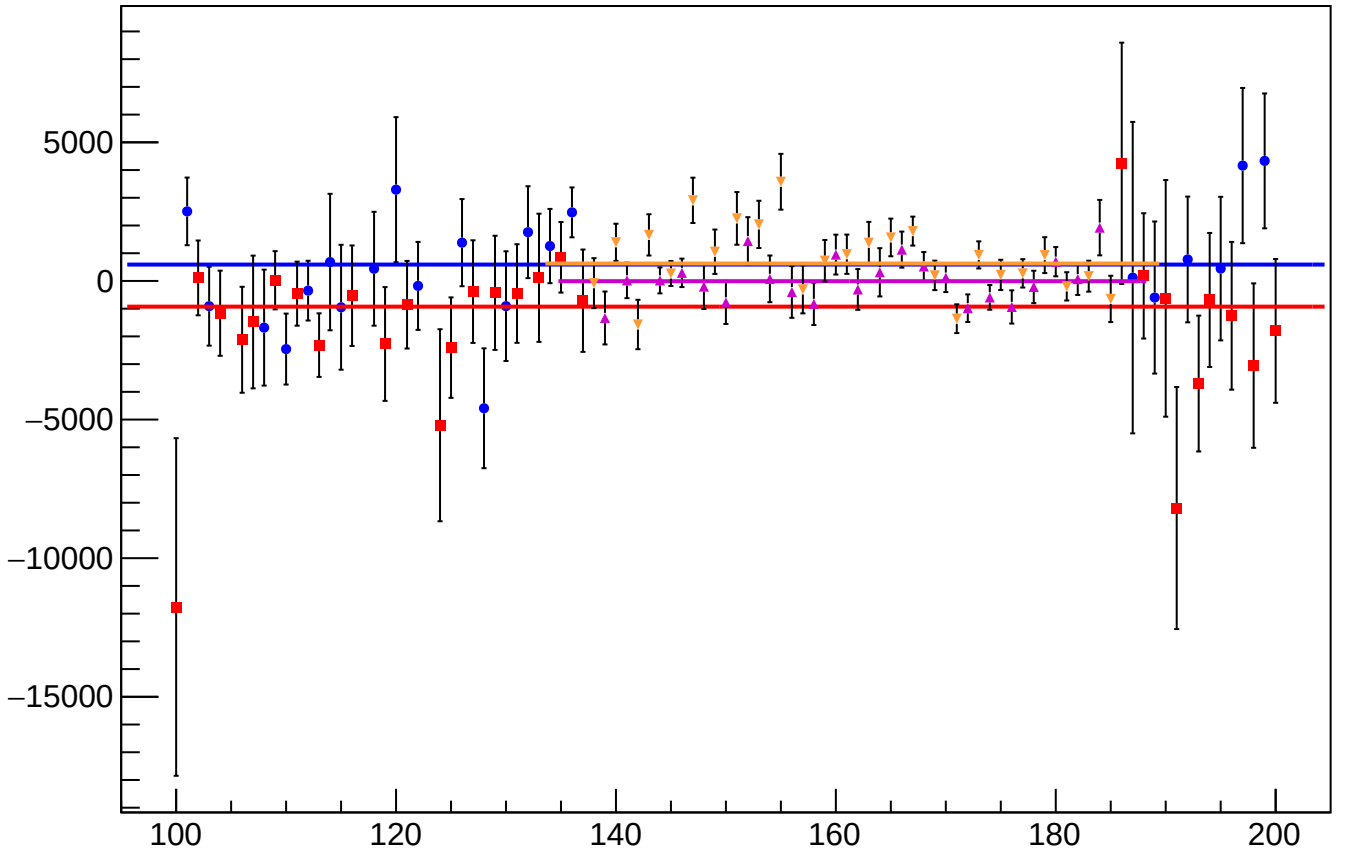
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1104.590+/-0.170 χ^2/NDF: 7886686.2/49

In: 593.652+/-0.084 χ^2/NDF:9693848.1/44

Out: 604.116+/-0.082 χ^2/NDF:12060695.2/52

All: 599.002+/-0.059 χ^2/NDF: 21762409.9/97



Right In: 591.029+/-357.020 χ^2/NDF: 28.9/21

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

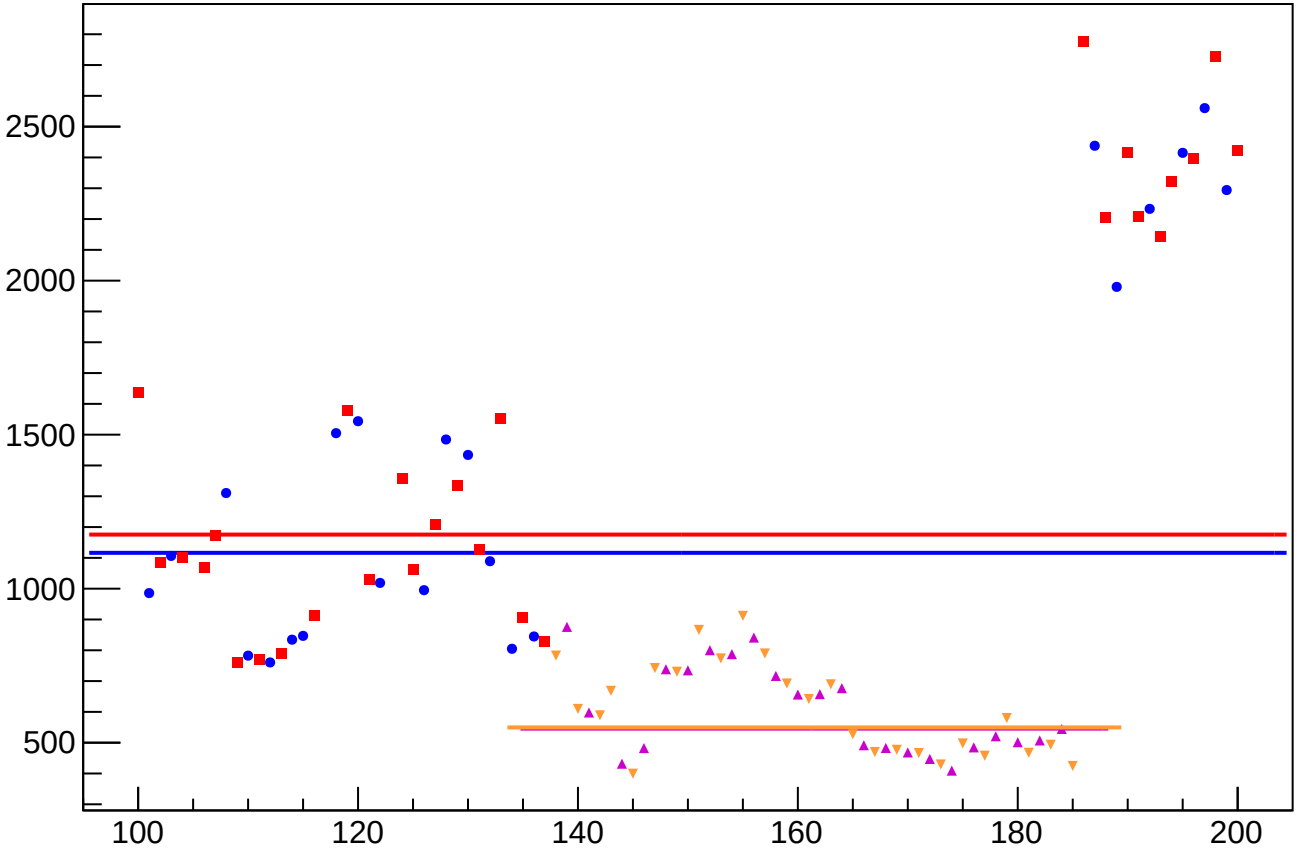
Right: -186.200+/-249.360 χ^2/NDF: 56.2/49

In: 62.952+/-123.222 χ^2/NDF:58.7/44

Out: 442.200+/-120.854 χ^2/NDF:100.5/52

All: 256.254+/-86.282 χ^2/NDF: 164.1/97

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1116.383+/-0.252 χ^2/NDF: 3291979.2/21

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

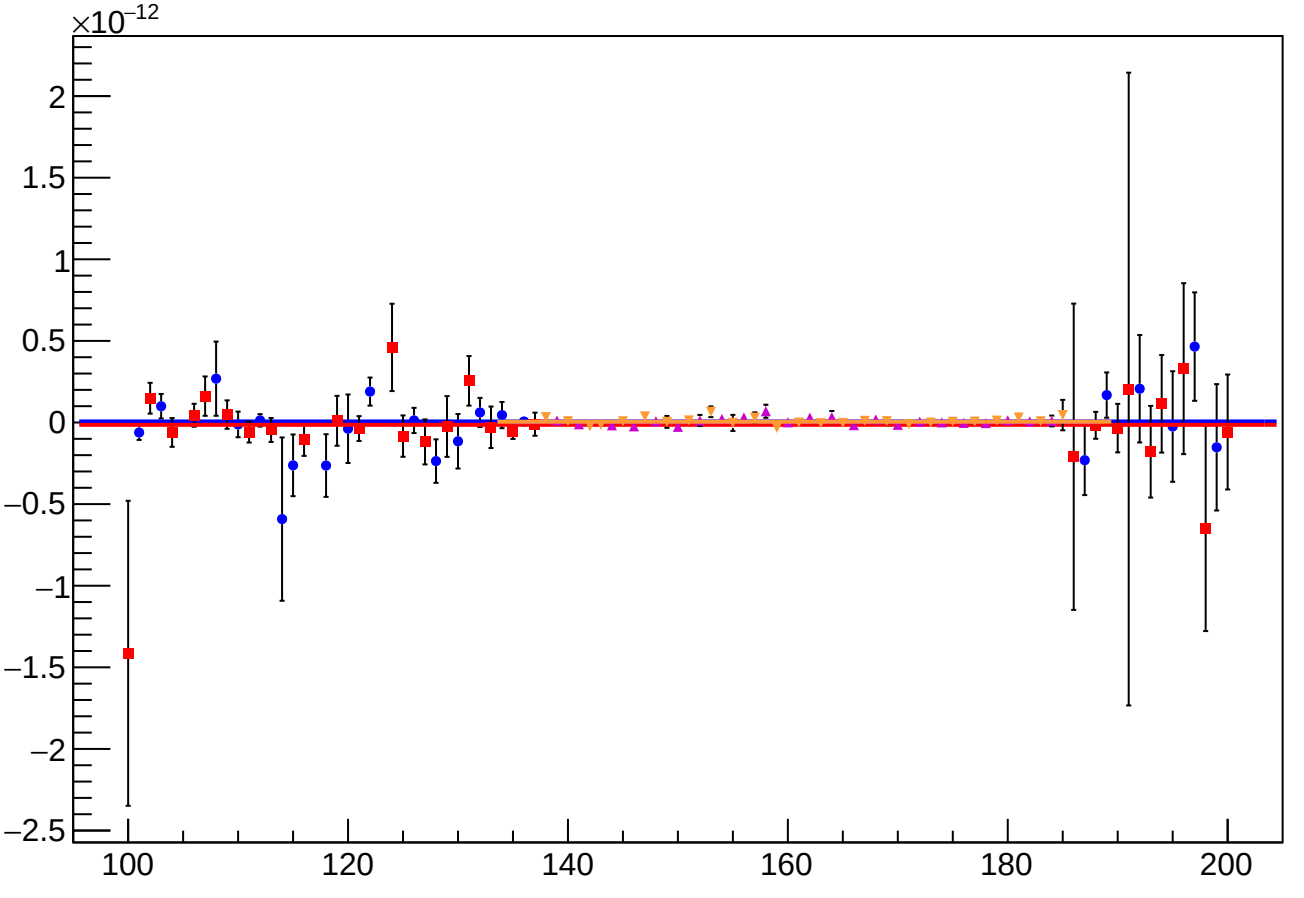
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1146.738+/-0.176 χ^2/NDF: 7669145.0/49

In: 613.688+/-0.087 χ^2/NDF:9607794.6/44

Out: 624.807+/-0.085 χ^2/NDF:12085011.1/52

All: 619.355+/-0.061 χ^2/NDF: 21701106.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

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

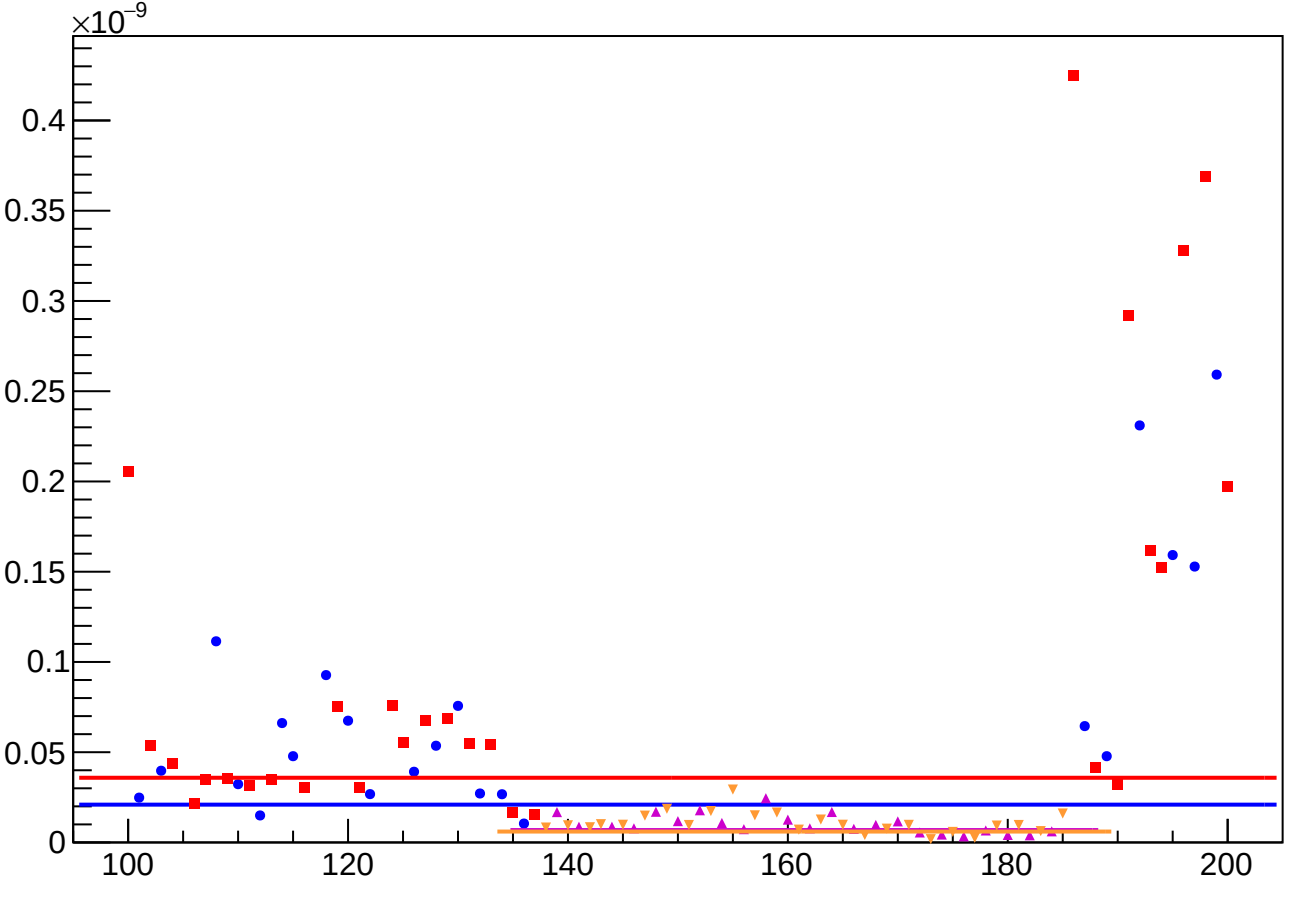
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.9/49

In: 0.000+/-0.000 χ^2/NDF:44.8/44

Out: 0.000+/-0.000 χ^2/NDF:37.0/52

All: 0.000+/-0.000 χ^2/NDF: 82.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4385651.1/21

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

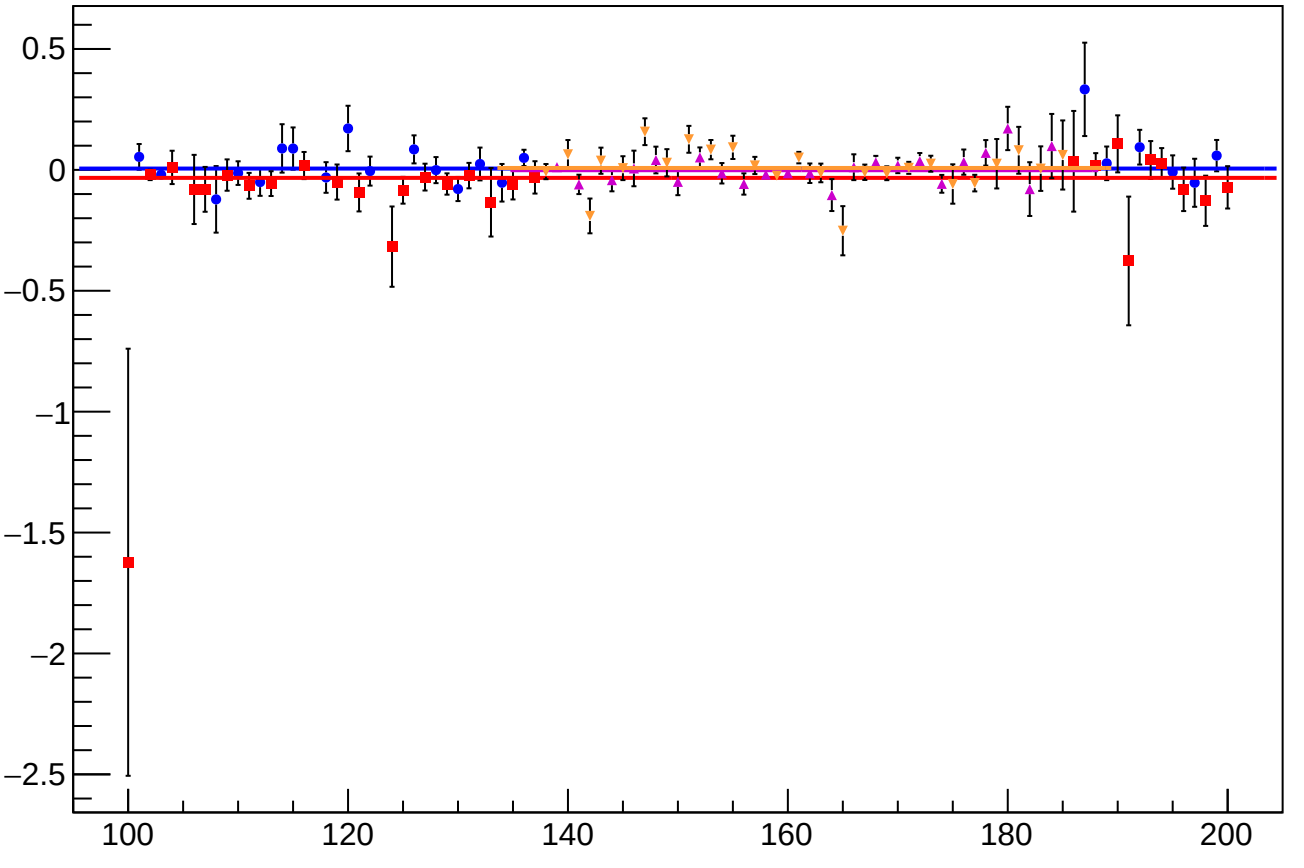
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9056014.2/49

In: 0.000+/-0.000 χ^2/NDF:8646969.6/44

Out: 0.000+/-0.000 χ^2/NDF:11983874.9/52

All: 0.000+/-0.000 χ^2/NDF: 20705942.9/97



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

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

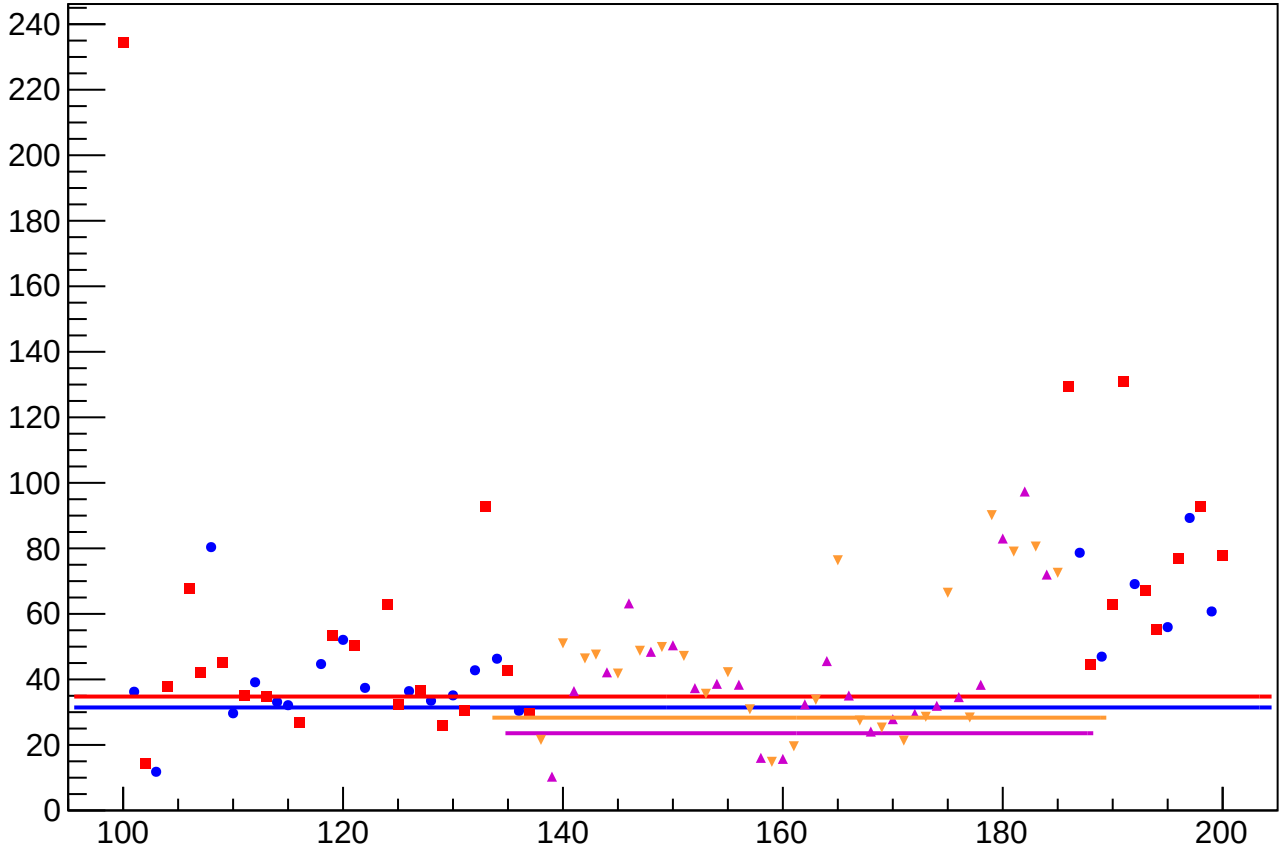
Right: -0.013+/-0.008 χ^2/NDF: 46.7/49

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 123.1/97

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

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

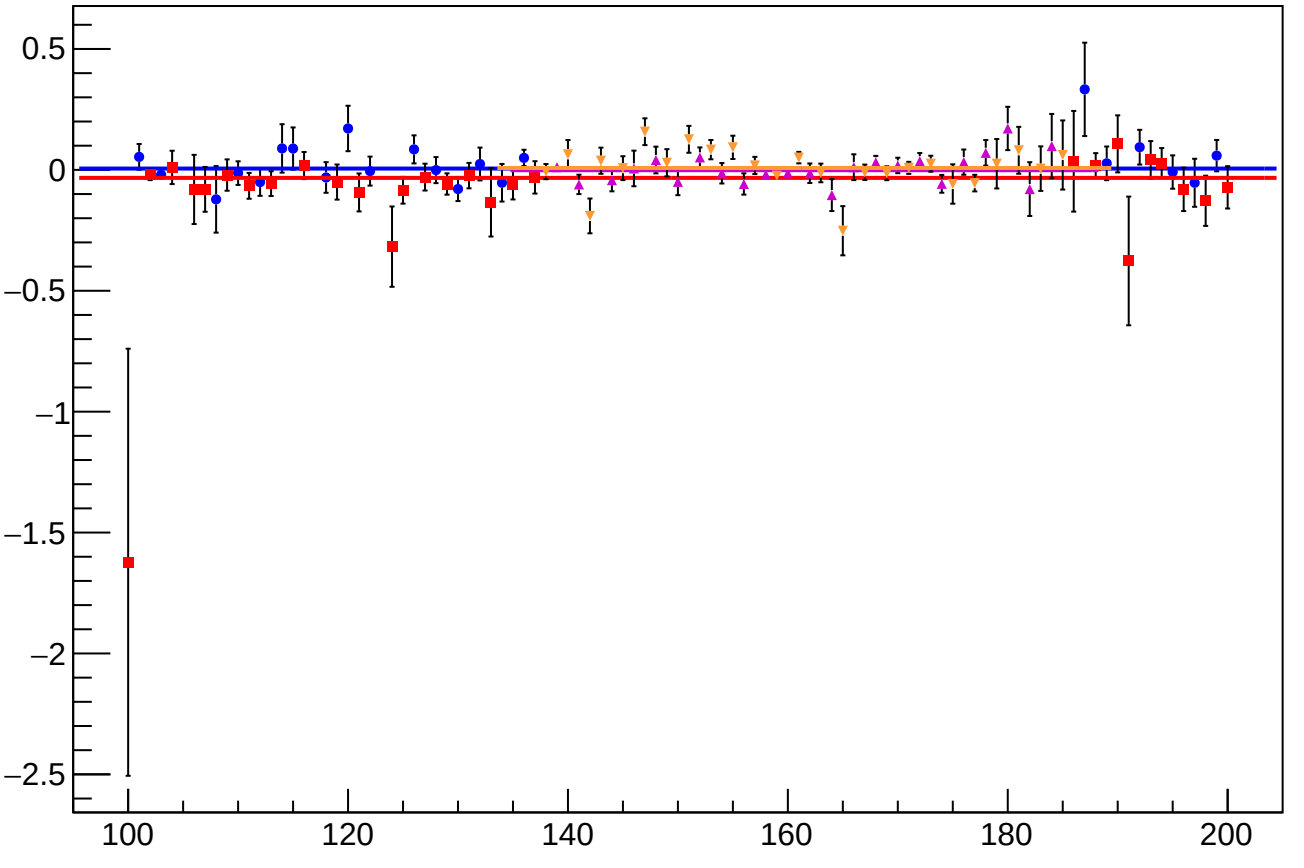
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.067+/-0.006 χ^2/NDF: 10710290.2/49

In: 25.677+/-0.004 χ^2/NDF:13760438.0/44

Out: 30.271+/-0.004 χ^2/NDF:13068392.1/52

All: 27.784+/-0.003 χ^2/NDF: 27399297.0/97



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

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

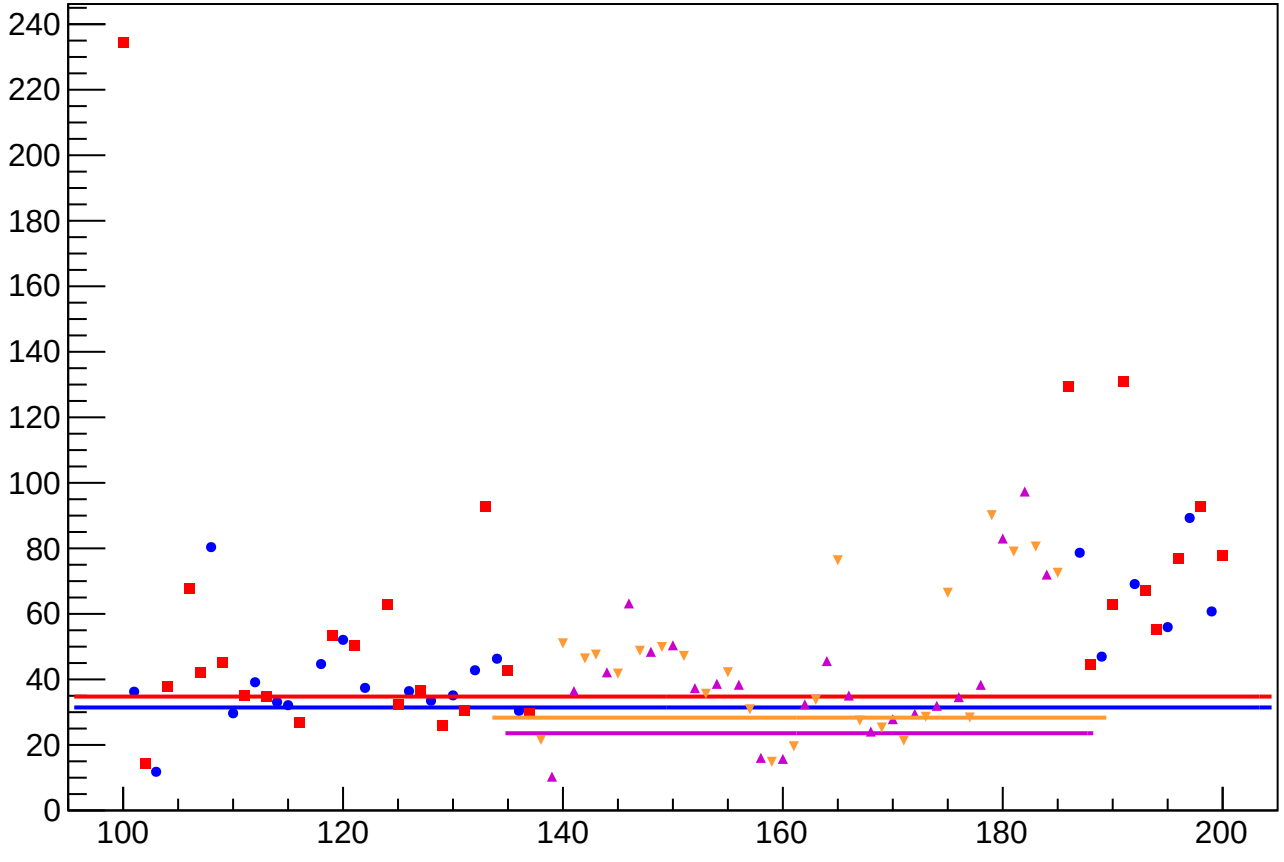
Right: -0.013+/-0.008 χ^2/NDF: 46.7/49

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 123.1/97

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

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

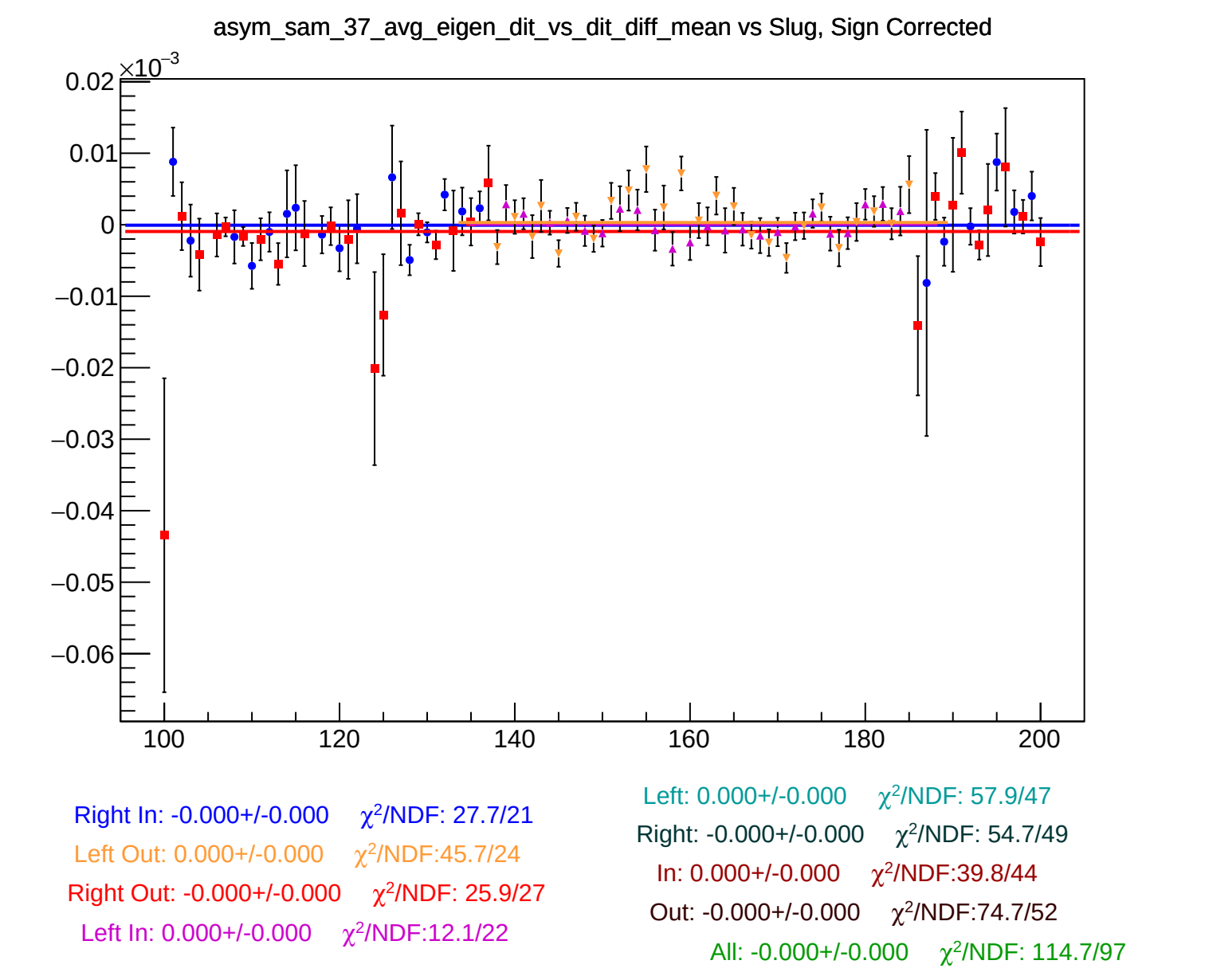
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.067+/-0.006 χ^2/NDF: 10710290.2/49

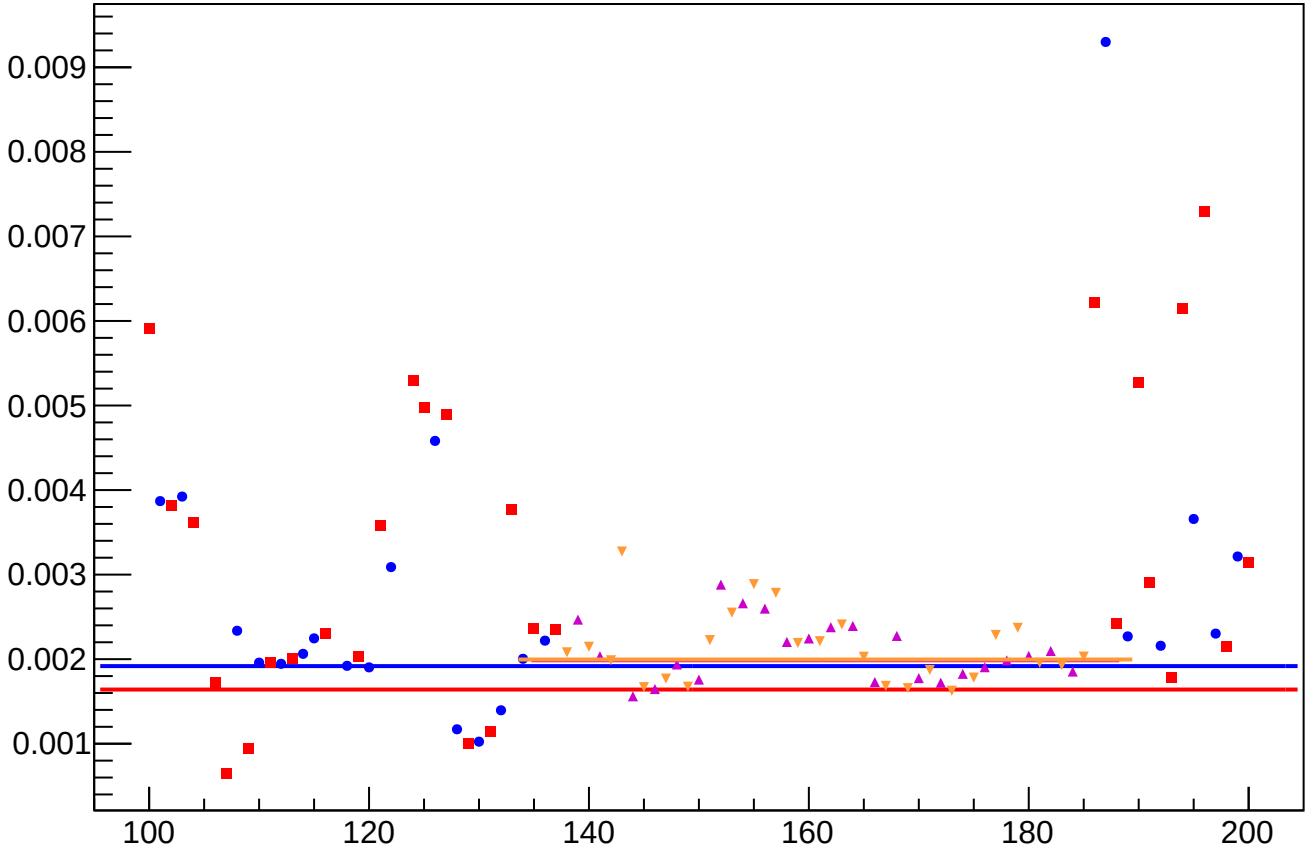
In: 25.677+/-0.004 χ^2/NDF:13760438.0/44

Out: 30.271+/-0.004 χ^2/NDF:13068392.1/52

All: 27.784+/-0.003 χ^2/NDF: 27399297.0/97


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.7/21
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/27
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 54.7/49
In: 0.000+/-0.000 χ²/NDF:39.8/44
Out: -0.000+/-0.000 χ²/NDF:74.7/52
All: -0.000+/-0.000 χ²/NDF: 114.7/97

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3250628.3/21

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

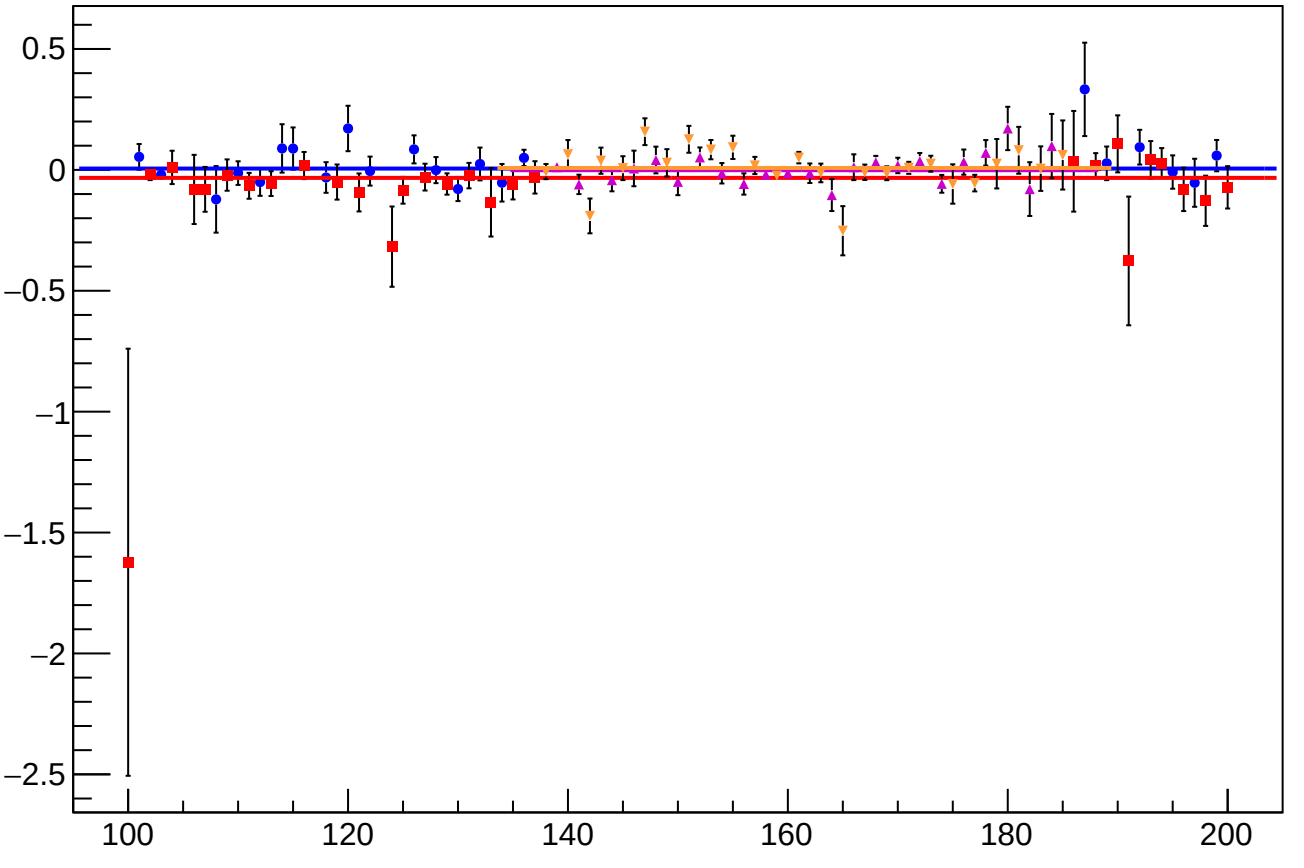
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 11480990.3/49

In: 0.002+/-0.000 χ^2/NDF:4189726.9/44

Out: 0.002+/-0.000 χ^2/NDF:9679701.6/52

All: 0.002+/-0.000 χ^2/NDF: 13968659.4/97



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

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

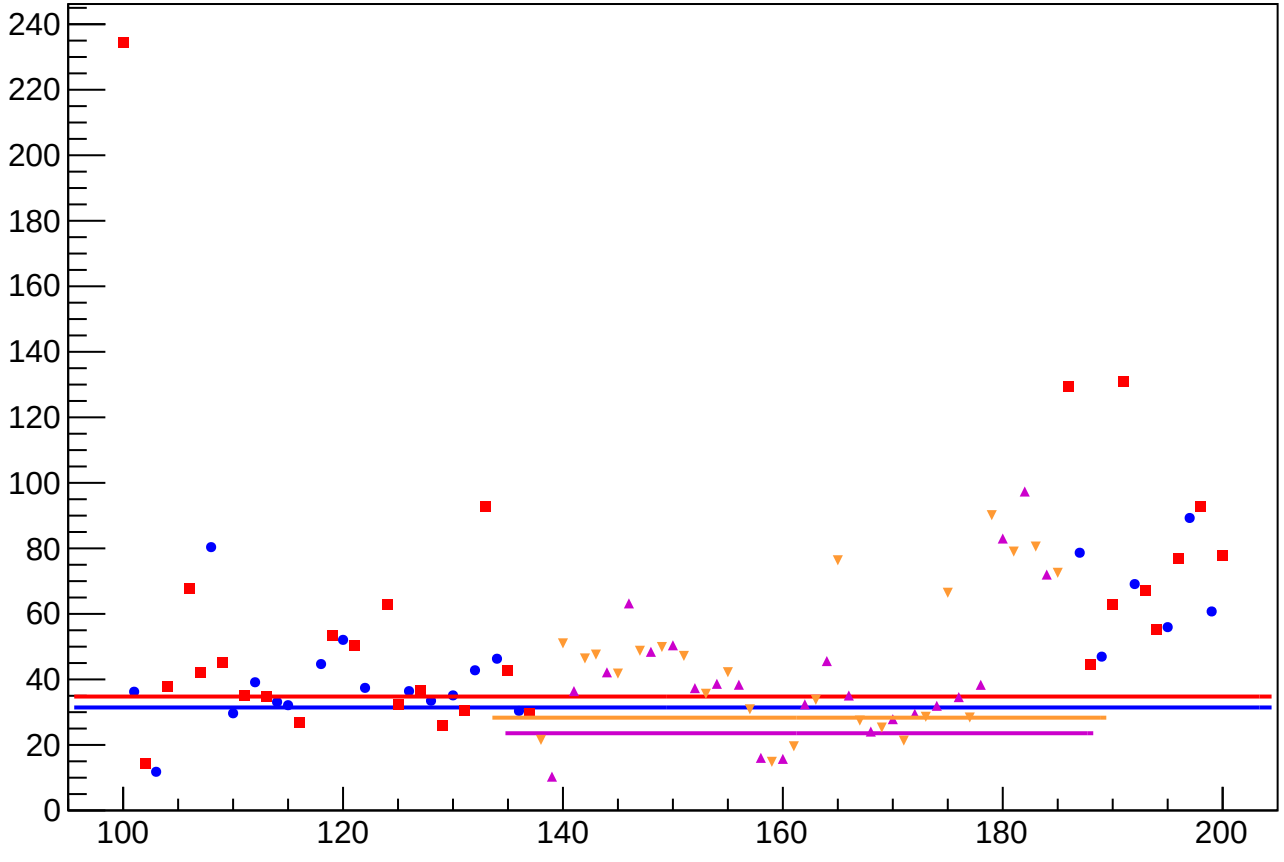
Right: -0.013+/-0.008 χ^2/NDF: 46.7/49

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 123.1/97

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

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

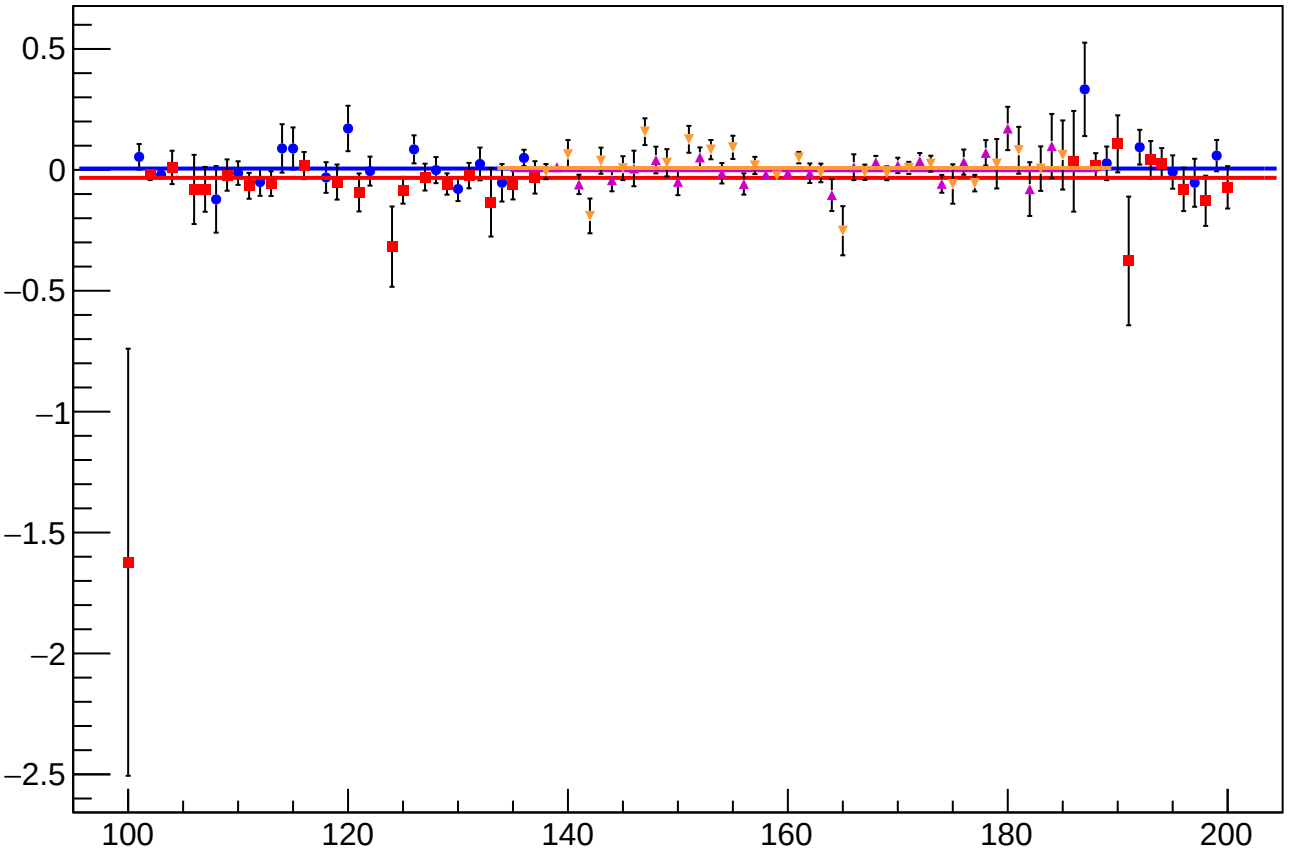
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.068+/-0.006 χ^2/NDF: 10709743.1/49

In: 25.676+/-0.004 χ^2/NDF:13761892.7/44

Out: 30.272+/-0.004 χ^2/NDF:13068209.2/52

All: 27.783+/-0.003 χ^2/NDF: 27400960.2/97



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

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

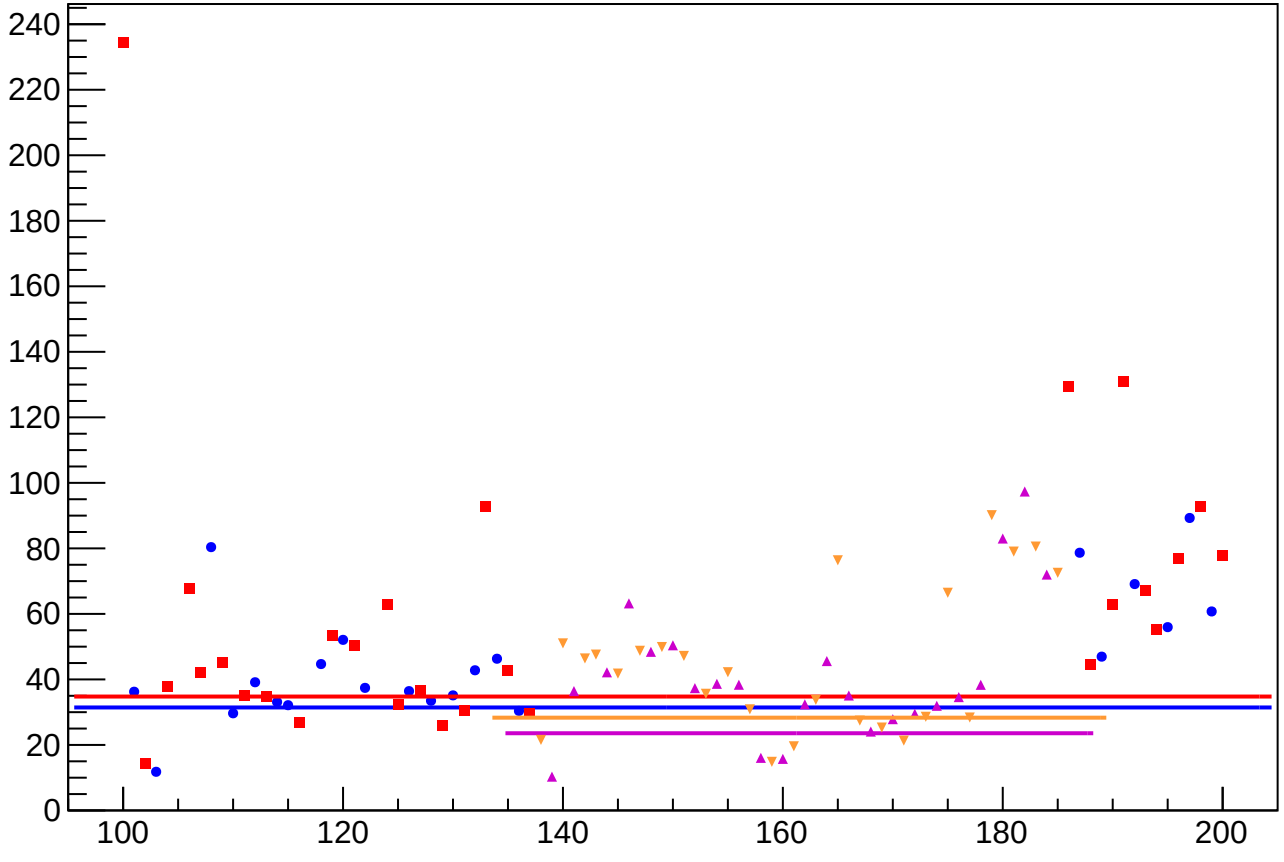
Right: -0.013+/-0.008 χ^2/NDF: 46.7/49

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.005+/-0.006 χ^2/NDF:75.1/52

All: -0.002+/-0.004 χ^2/NDF: 123.1/97

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

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

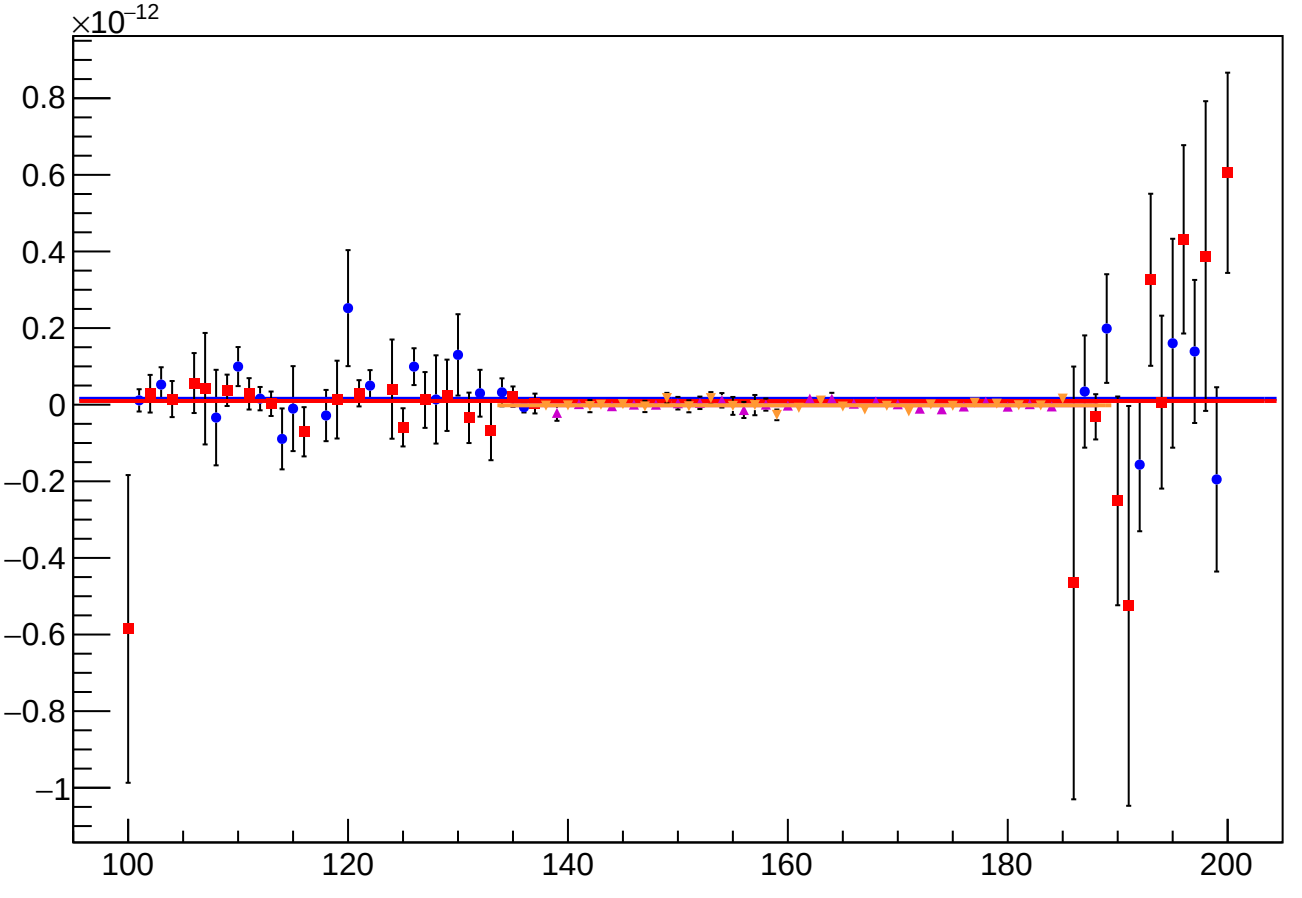
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.068+/-0.006 χ^2/NDF: 10709743.1/49

In: 25.676+/-0.004 χ^2/NDF:13761892.7/44

Out: 30.272+/-0.004 χ^2/NDF:13068209.2/52

All: 27.783+/-0.003 χ^2/NDF: 27400960.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/21

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

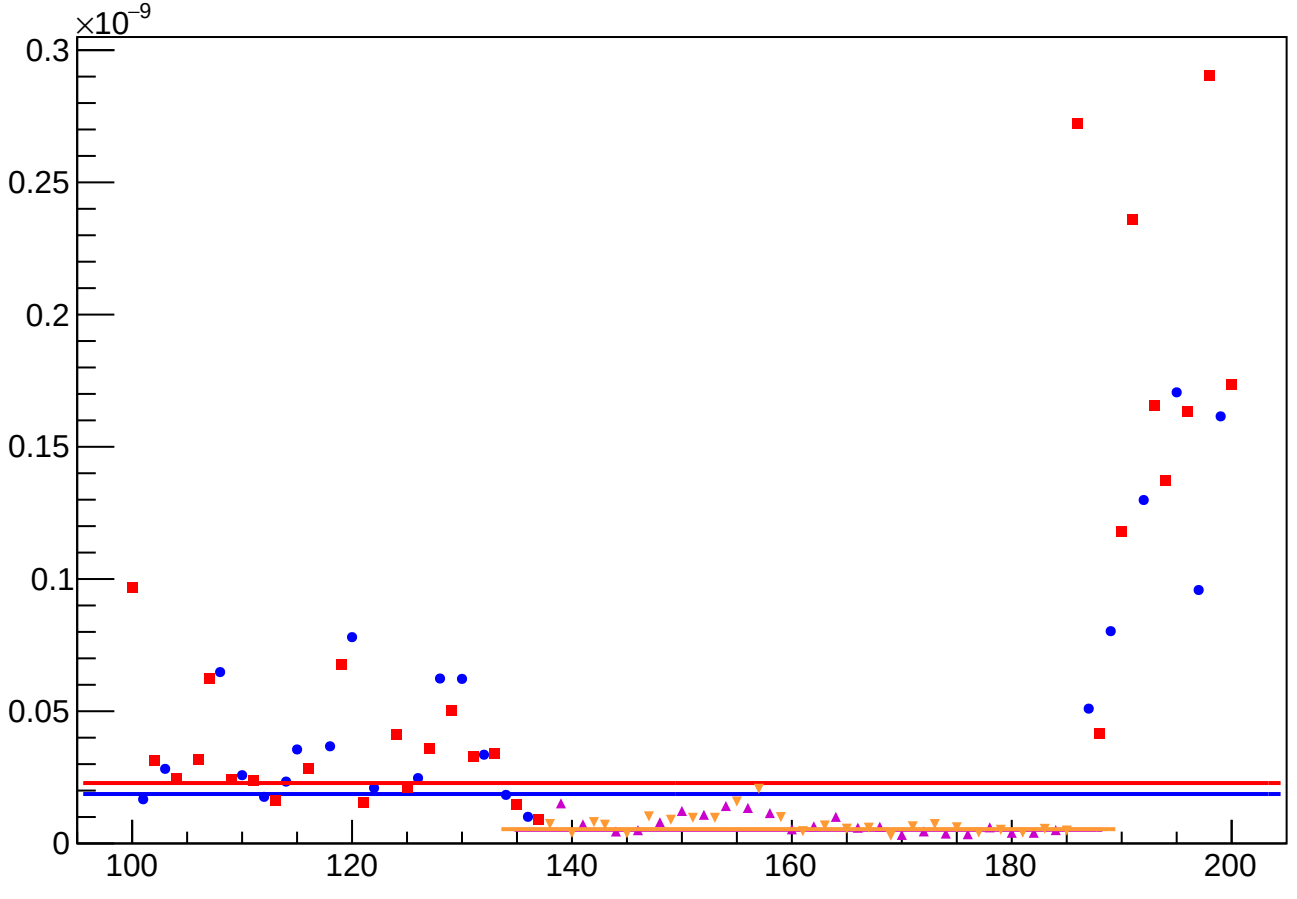
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 43.5/49

In: -0.000+/-0.000 χ^2/NDF:39.1/44

Out: -0.000+/-0.000 χ^2/NDF:41.8/52

All: -0.000+/-0.000 χ^2/NDF: 80.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5442186.9/21

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

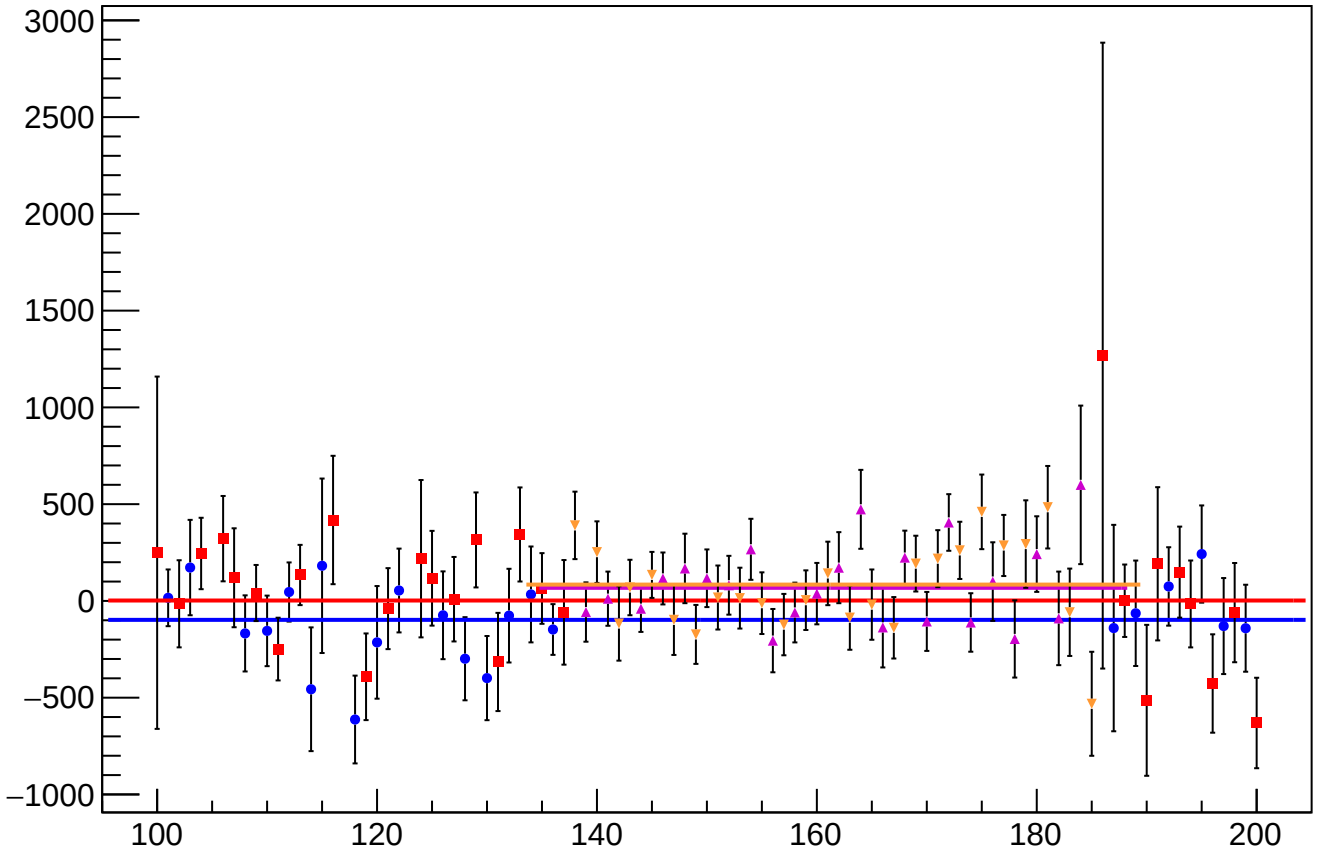
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12320181.9/49

In: 0.000+/-0.000 χ^2/NDF:12862068.9/44

Out: 0.000+/-0.000 χ^2/NDF:15047089.4/52

All: 0.000+/-0.000 χ^2/NDF: 27932912.5/97



Right In: -97.878+/-45.826 χ^2/NDF: 16.2/21

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

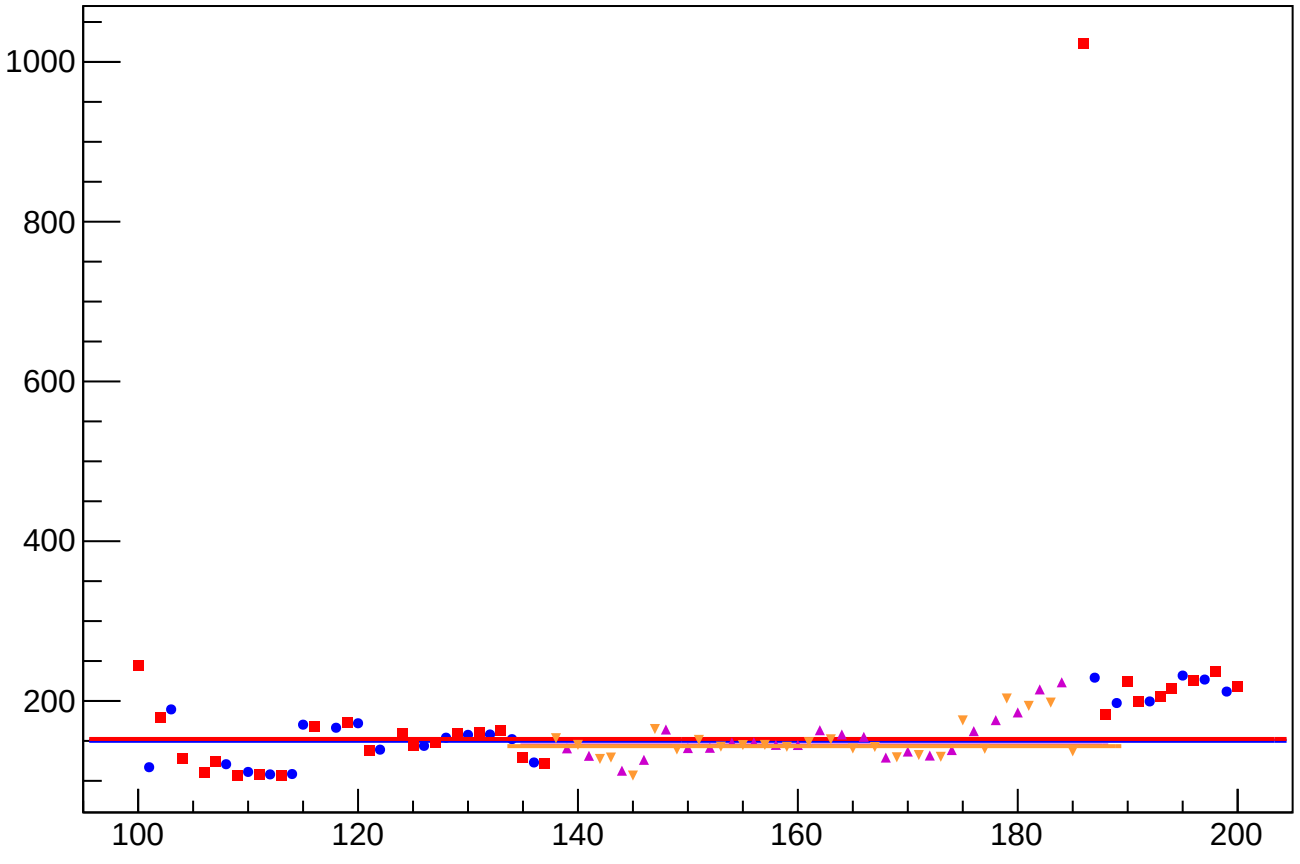
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -45.200+/-31.522 χ^2/NDF: 49.8/49

In: 8.575+/-27.376 χ^2/NDF:51.1/44

Out: 54.186+/-26.293 χ^2/NDF:67.2/52

All: 32.301+/-18.963 χ^2/NDF: 119.8/97



Right In: 150.121+/-0.032 χ^2/NDF: 1372927.0/21

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

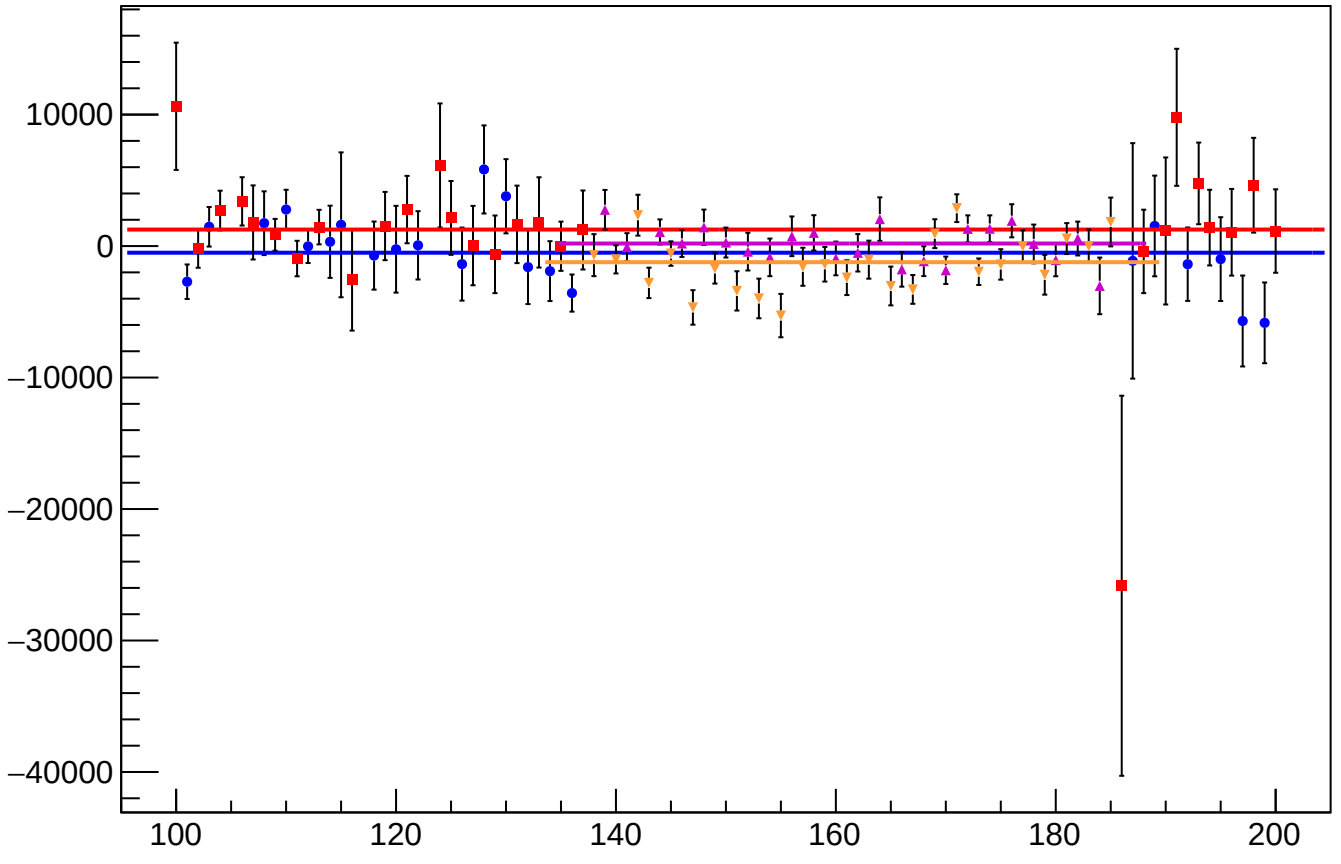
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 151.342+/-0.022 χ^2/NDF: 3700473.7/49

In: 146.294+/-0.019 χ^2/NDF:2097326.7/44

Out: 146.741+/-0.019 χ^2/NDF:3126247.0/52

All: 146.526+/-0.013 χ^2/NDF: 5223850.9/97



Right In: -505.141+/-472.745 χ^2/NDF: 27.6/21

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

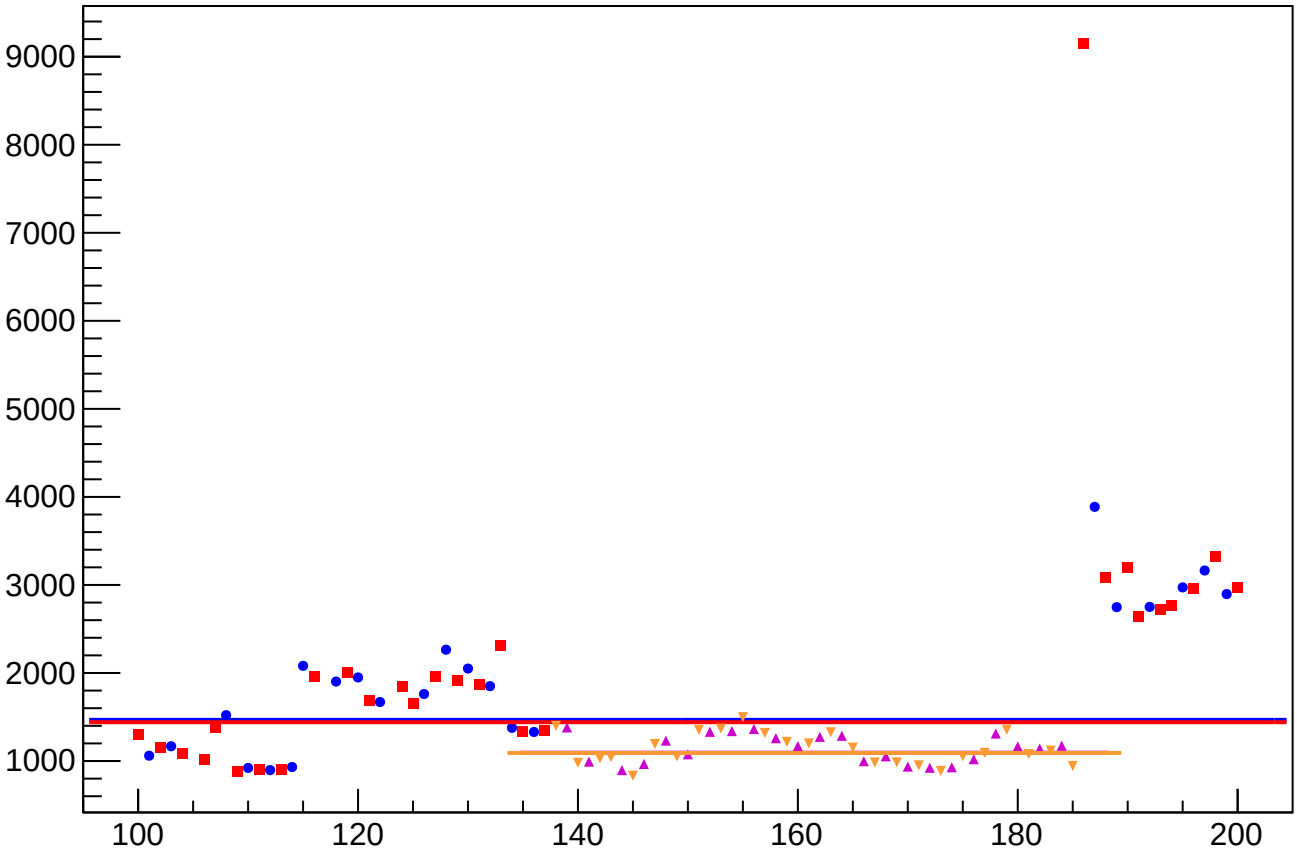
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 443.992+/-321.110 χ^2/NDF: 57.2/49

In: 32.521+/-227.092 χ^2/NDF:52.5/44

Out: -607.639+/-218.218 χ^2/NDF:105.6/52

All: -300.310+/-157.347 χ^2/NDF: 162.2/97



Right In: 1467.573+/-0.334 χ^2/NDF: 3585435.3/21

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

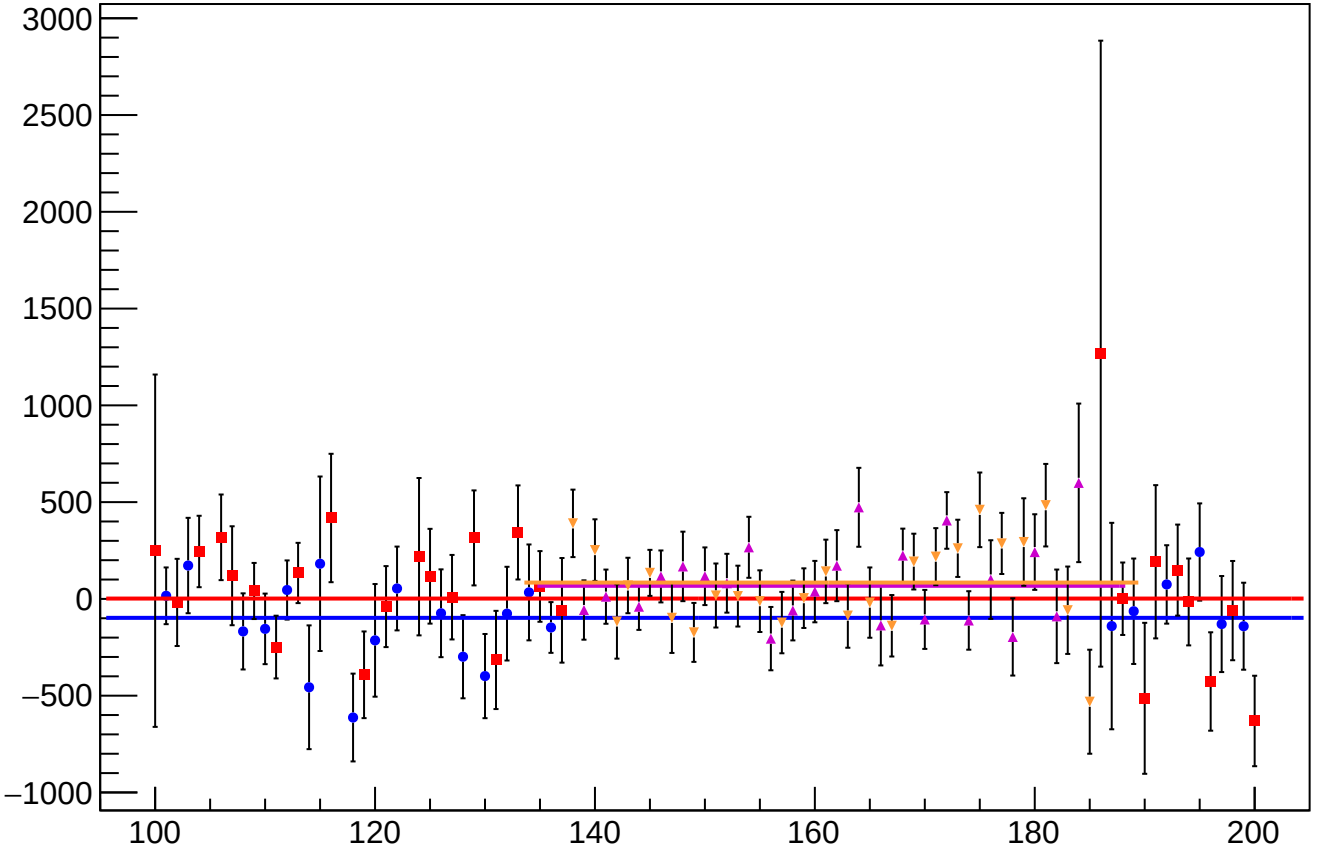
Right: 1453.210+/-0.227 χ^2/NDF: 9038925.1/49

In: 1180.571+/-0.161 χ^2/NDF:5276662.6/44

Out: 1178.775+/-0.154 χ^2/NDF:7298084.3/52

All: 1179.638+/-0.111 χ^2/NDF: 12574812.0/9

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

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

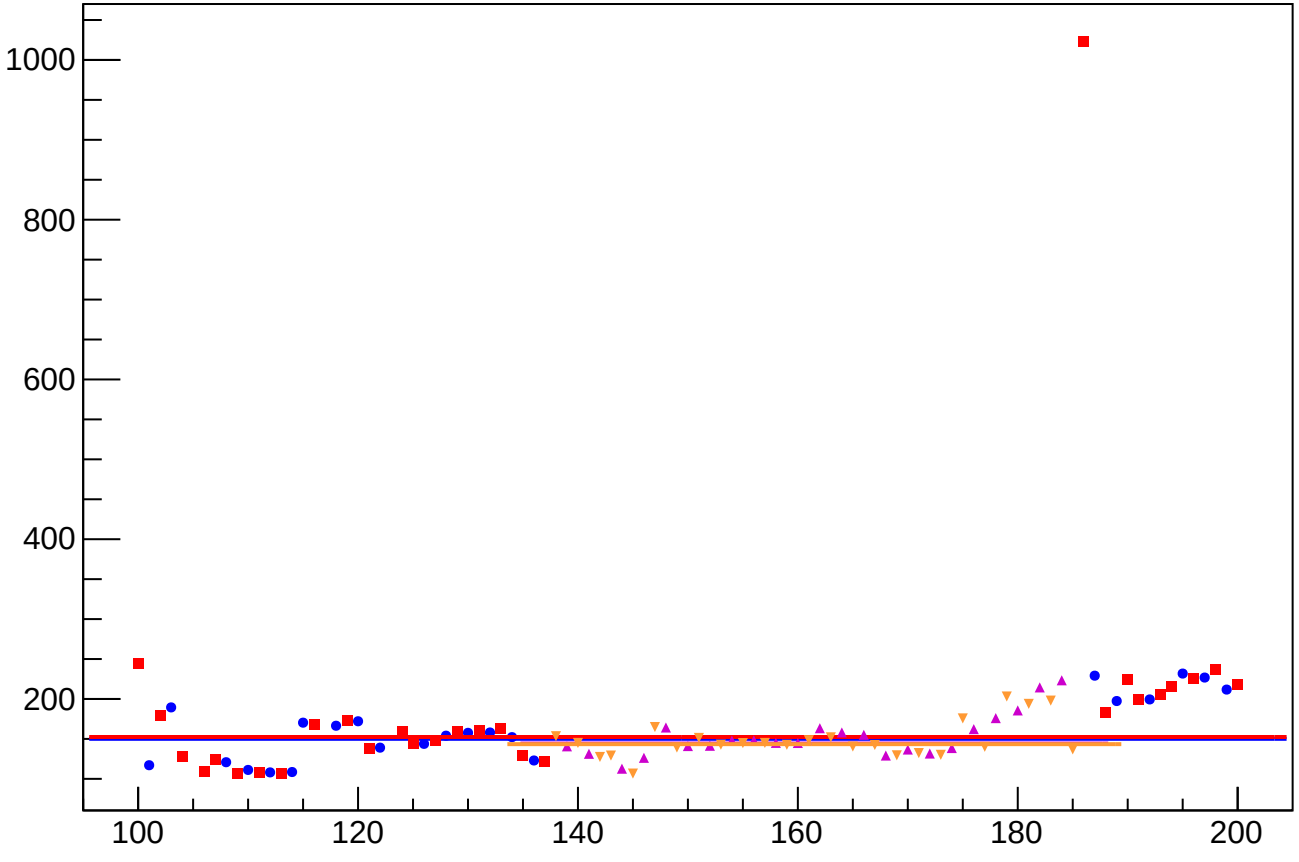
Right: -45.389+/-31.524 χ^2/NDF: 49.8/49

In: 8.574+/-27.376 χ^2/NDF:51.1/44

Out: 54.076+/-26.294 χ^2/NDF:67.1/52

All: 32.242+/-18.964 χ^2/NDF: 119.7/97

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

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

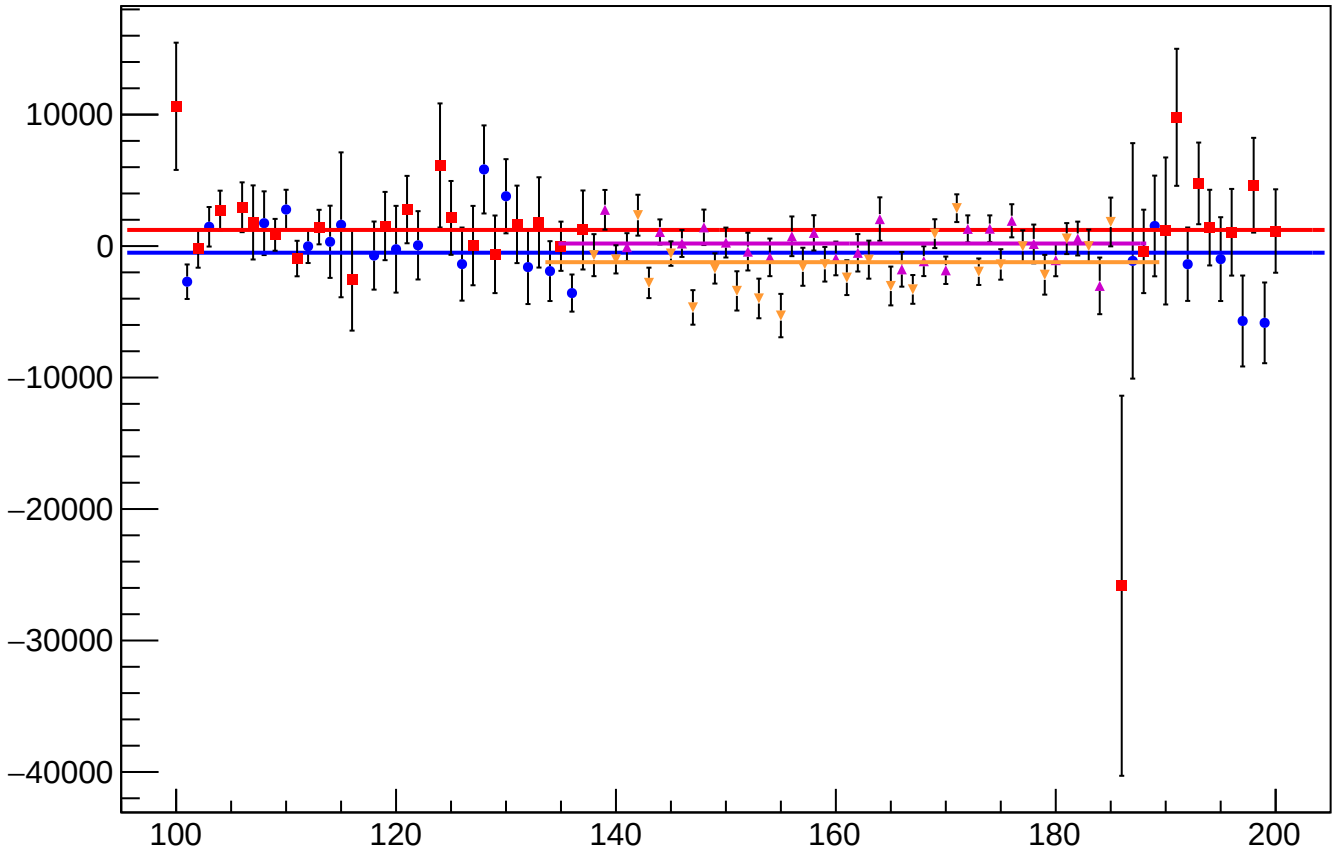
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 151.316+/-0.022 χ^2/NDF: 3705642.7/49

In: 146.294+/-0.019 χ^2/NDF:2097329.4/44

Out: 146.722+/-0.019 χ^2/NDF:3130922.8/52

All: 146.517+/-0.013 χ^2/NDF: 5228506.7/97



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

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

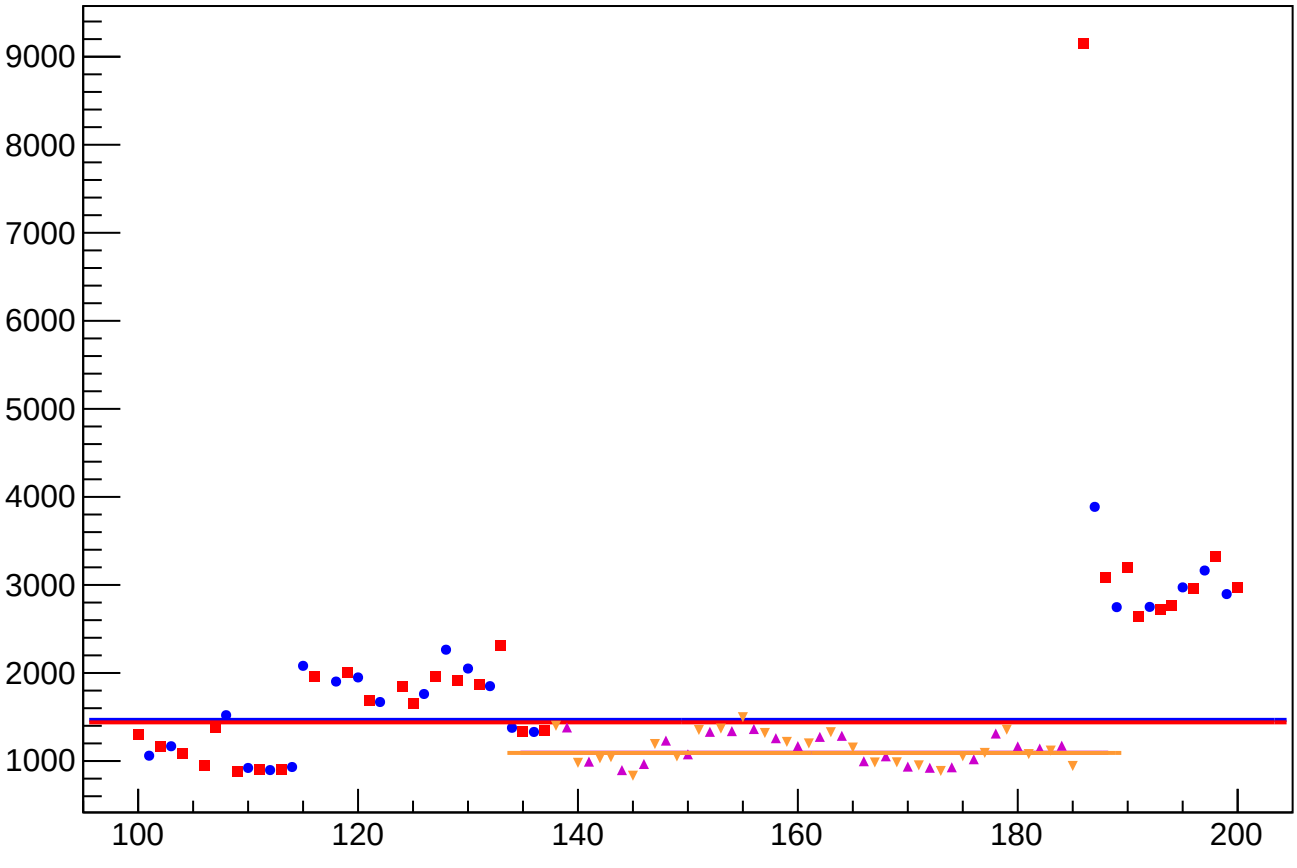
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 426.152+/-321.408 χ^2/NDF: 56.3/49

In: 32.510+/-227.092 χ^2/NDF:52.5/44

Out: -616.745+/-218.311 χ^2/NDF:104.3/52

All: -304.912+/-157.382 χ^2/NDF: 161.1/97



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

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

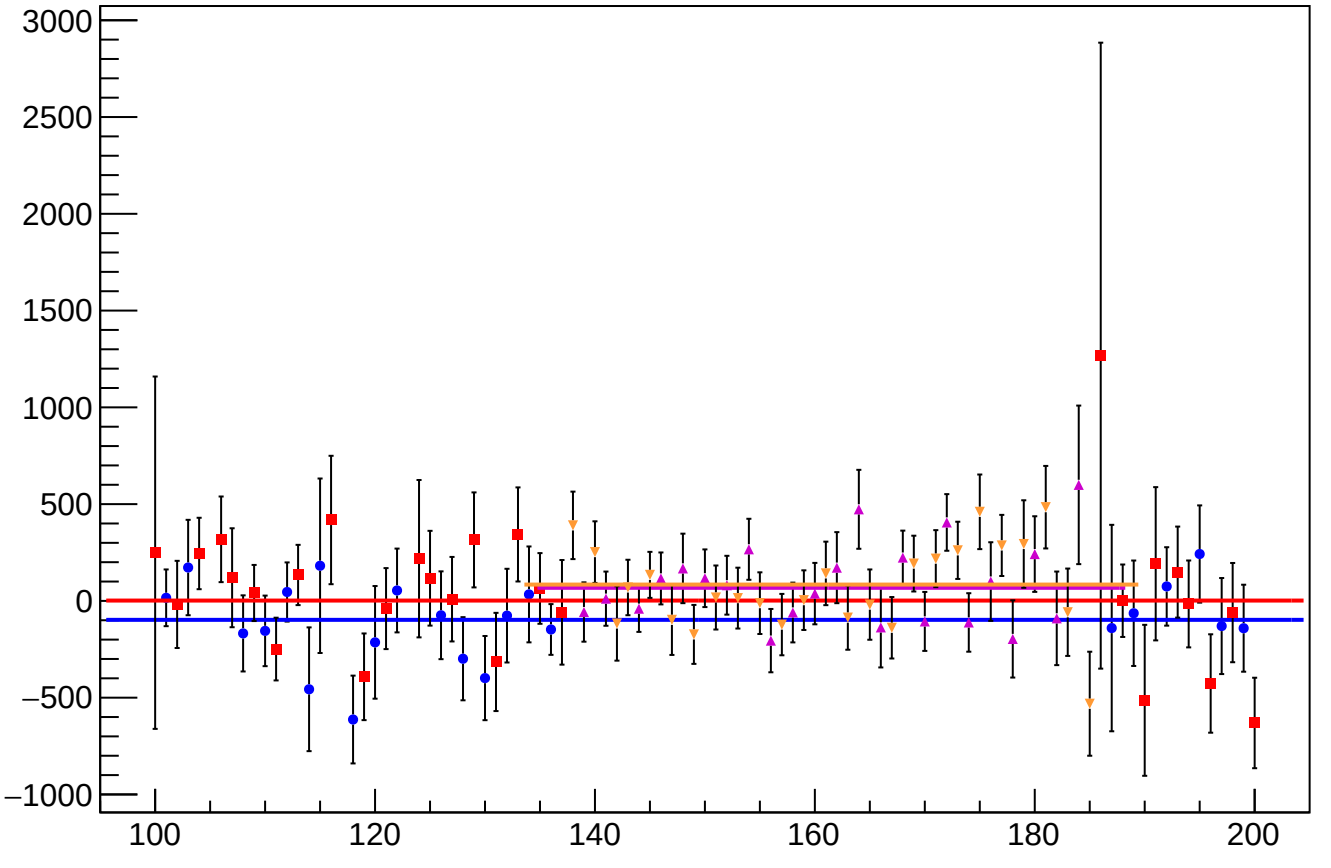
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1452.269+/-0.227 χ^2/NDF: 9064034.7/49

In: 1180.574+/-0.161 χ^2/NDF:5276657.8/44

Out: 1178.103+/-0.154 χ^2/NDF:7310480.9/52

All: 1179.290+/-0.111 χ^2/NDF: 12587261.7/9



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

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

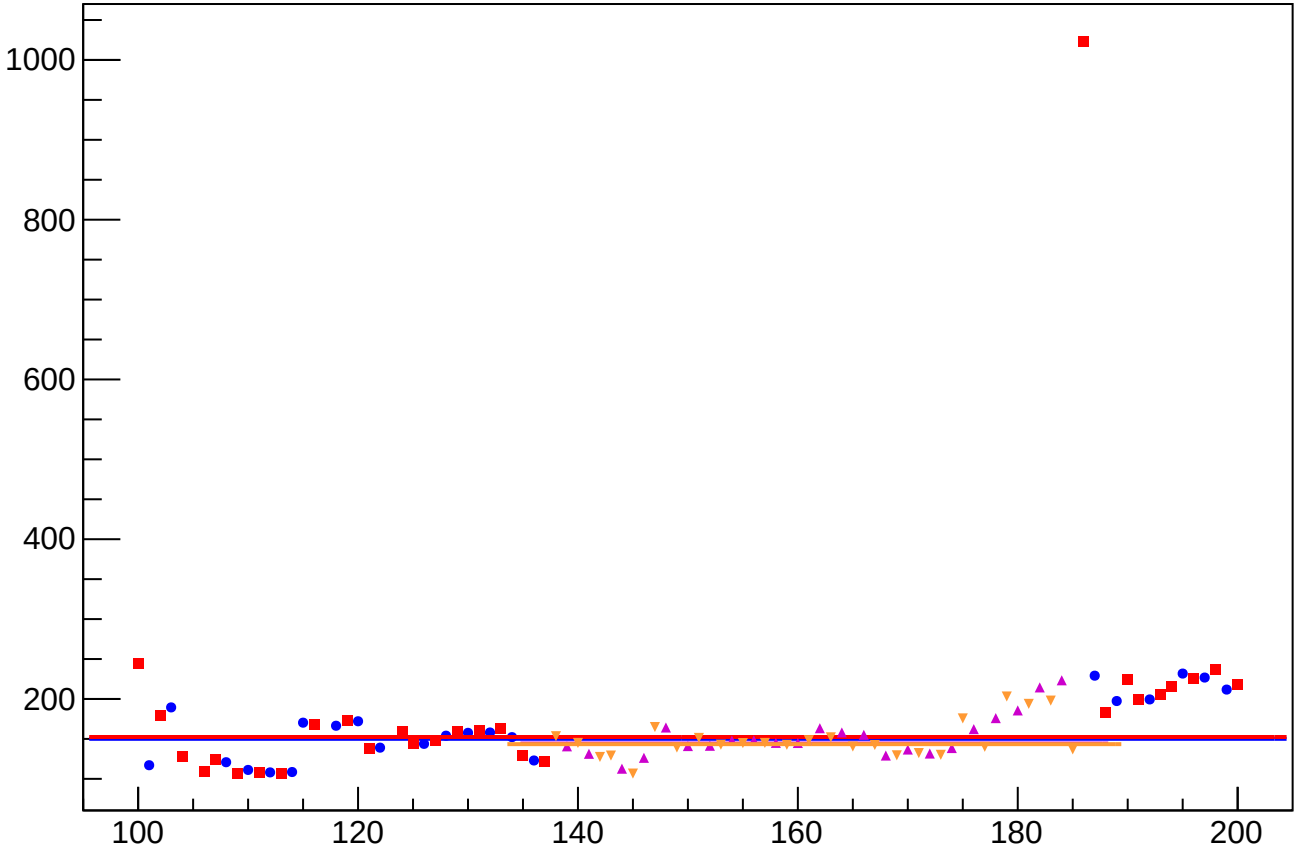
Right: -45.389+/-31.524 χ^2/NDF: 49.8/49

In: 8.574+/-27.376 χ^2/NDF:51.1/44

Out: 54.076+/-26.294 χ^2/NDF:67.1/52

All: 32.242+/-18.964 χ^2/NDF: 119.7/97

eigen_cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

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

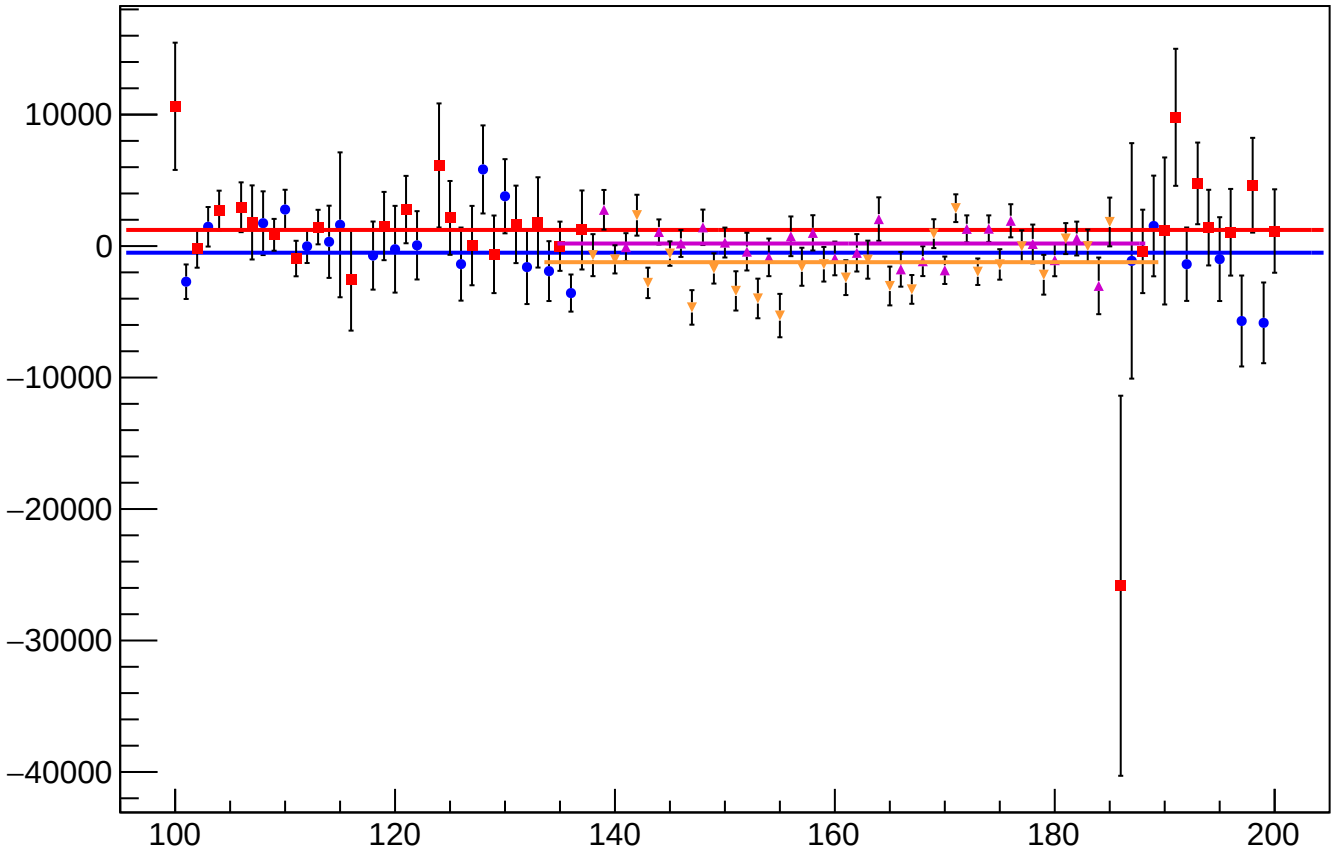
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 151.316+/-0.022 χ^2/NDF: 3705642.7/49

In: 146.294+/-0.019 χ^2/NDF:2097329.4/44

Out: 146.722+/-0.019 χ^2/NDF:3130922.8/52

All: 146.517+/-0.013 χ^2/NDF: 5228506.7/97



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

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

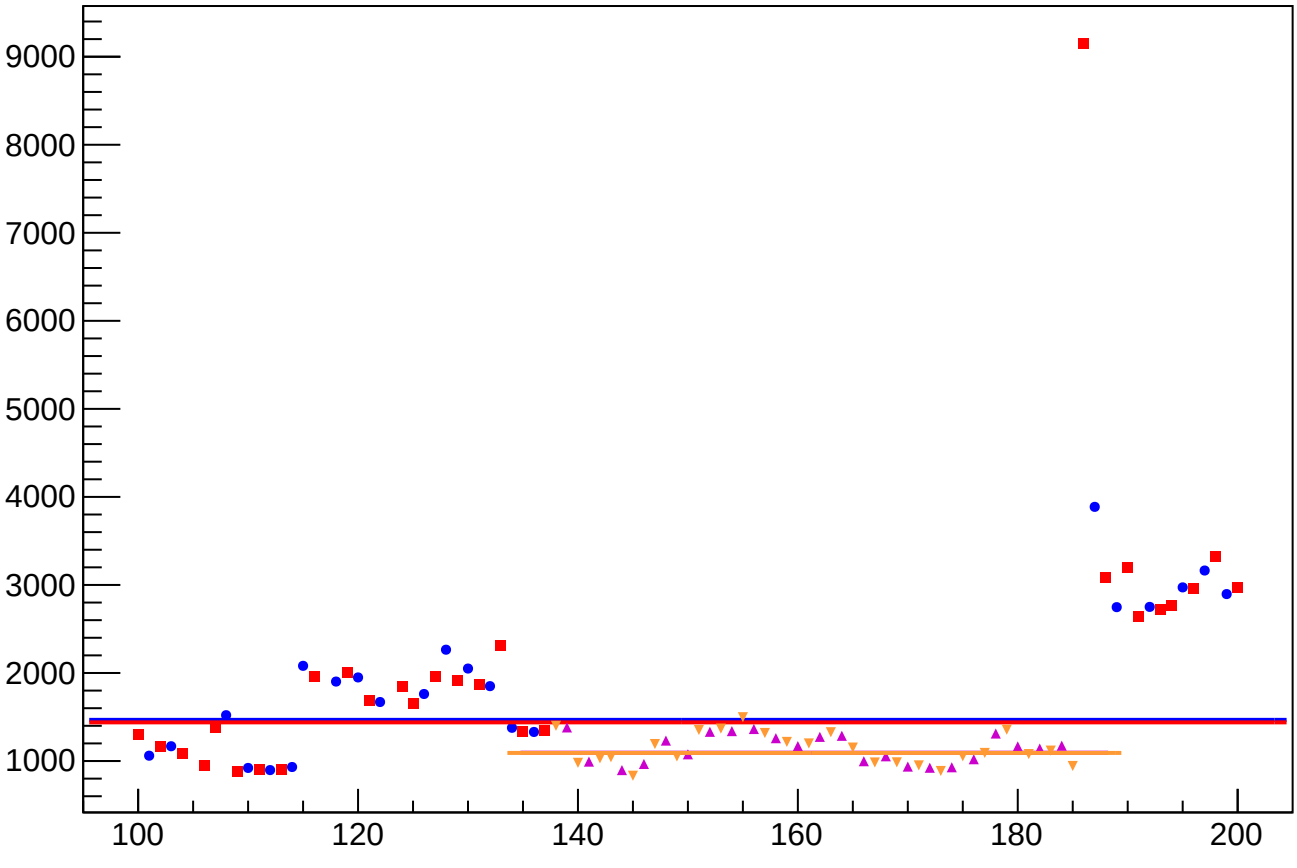
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 426.152+/-321.408 χ^2/NDF: 56.3/49

In: 32.510+/-227.092 χ^2/NDF:52.5/44

Out: -616.745+/-218.311 χ^2/NDF:104.3/52

All: -304.912+/-157.382 χ^2/NDF: 161.1/97



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

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

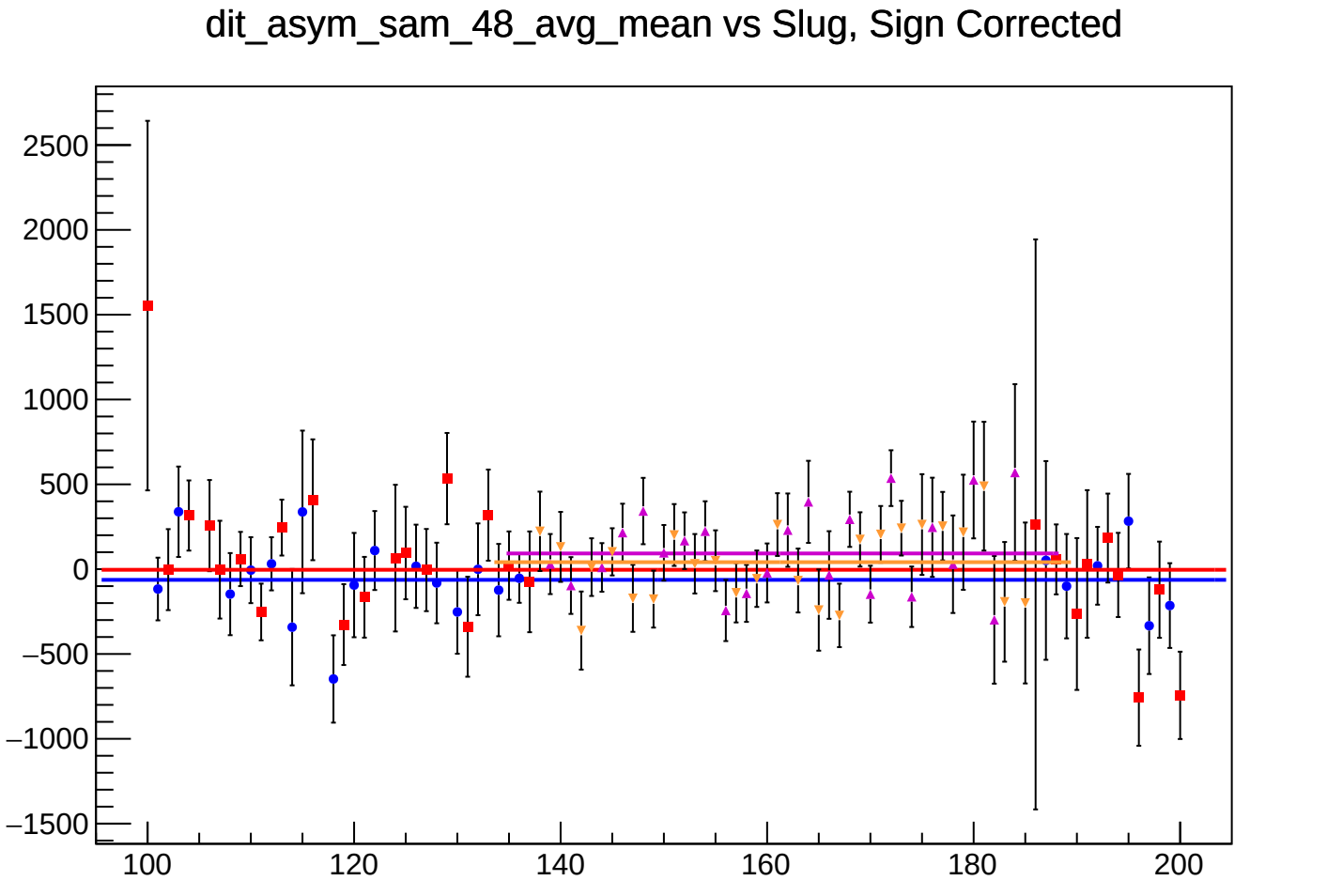
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1452.269+/-0.227 χ^2/NDF: 9064034.7/49

In: 1180.574+/-0.161 χ^2/NDF:5276657.8/44

Out: 1178.103+/-0.154 χ^2/NDF:7310480.9/52

All: 1179.290+/-0.111 χ^2/NDF: 12587261.7/9



Right In: -63.099+/-51.003 χ^2/NDF: 13.8/21

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

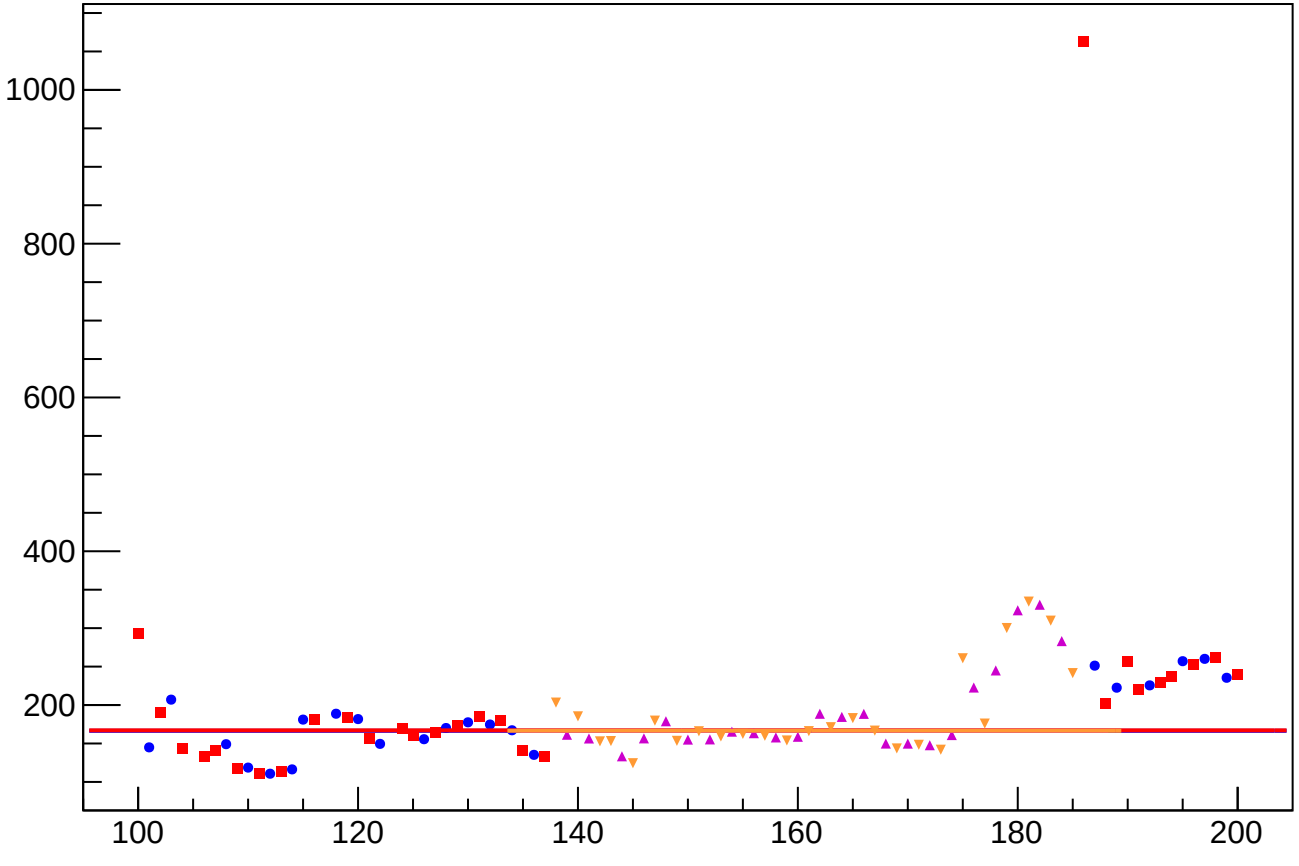
Right: -31.443+/-34.858 χ^2/NDF: 51.6/49

In: 32.974+/-31.555 χ^2/NDF:49.1/44

Out: 23.069+/-30.287 χ^2/NDF:60.0/52

All: 27.819+/-21.851 χ^2/NDF: 109.1/97

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 166.479+/-0.036 χ^2/NDF: 1459065.4/21

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

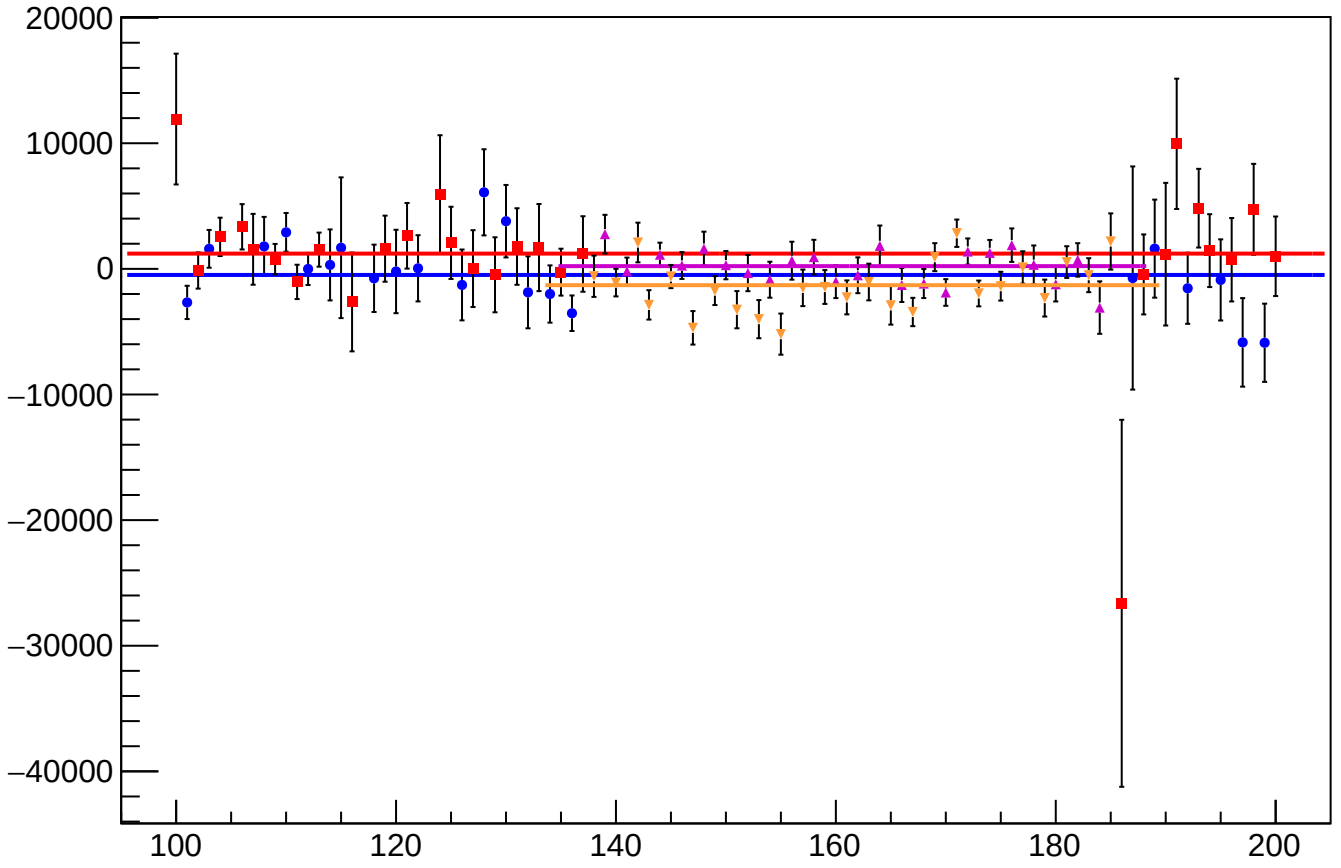
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 166.797+/-0.025 χ^2/NDF: 3869005.0/49

In: 166.373+/-0.022 χ^2/NDF:2851545.5/44

Out: 166.791+/-0.021 χ^2/NDF:4129748.6/52

All: 166.591+/-0.015 χ^2/NDF: 6981476.2/97



Right In: -484.112+/-477.514 χ^2/NDF: 27.9/21

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

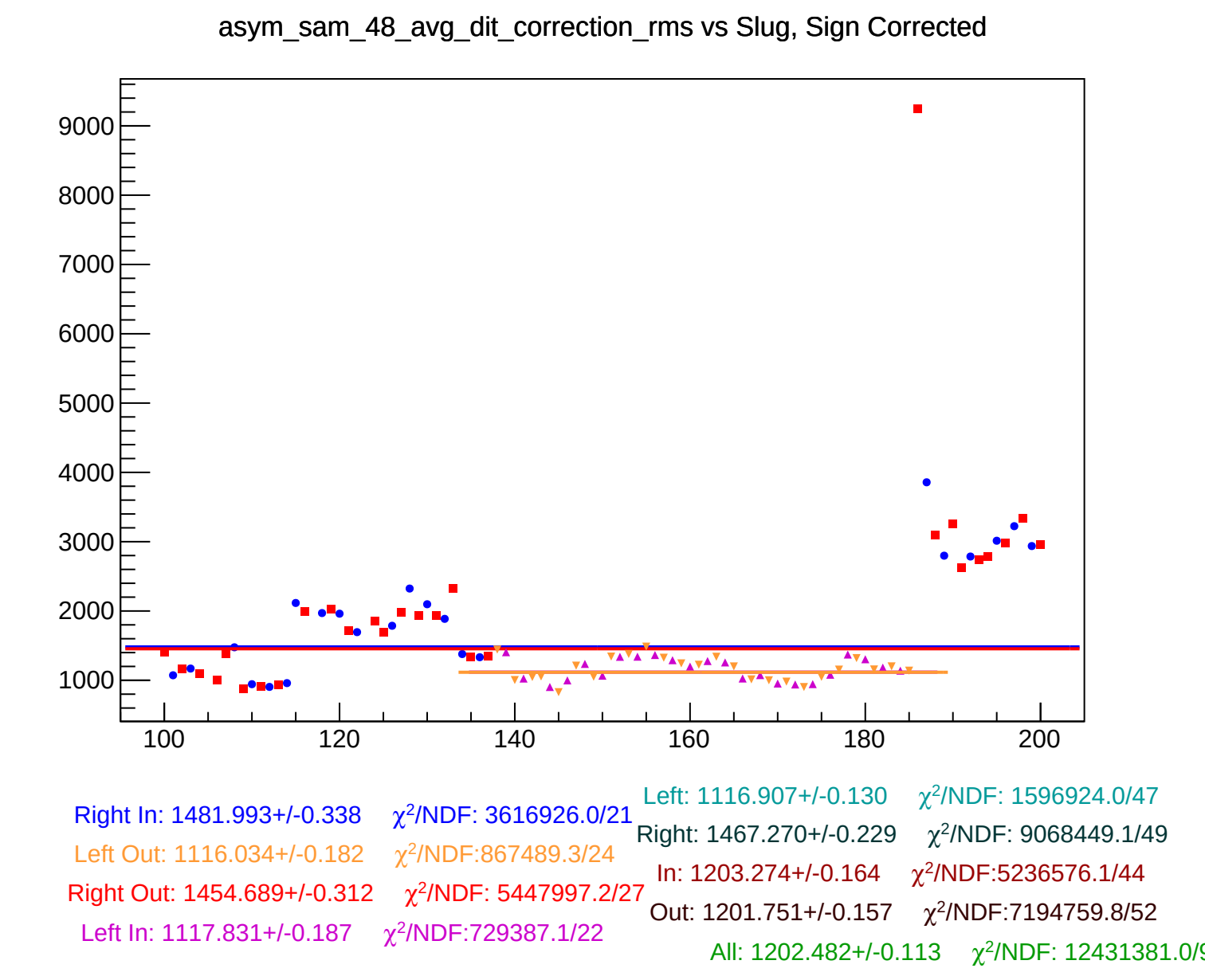
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

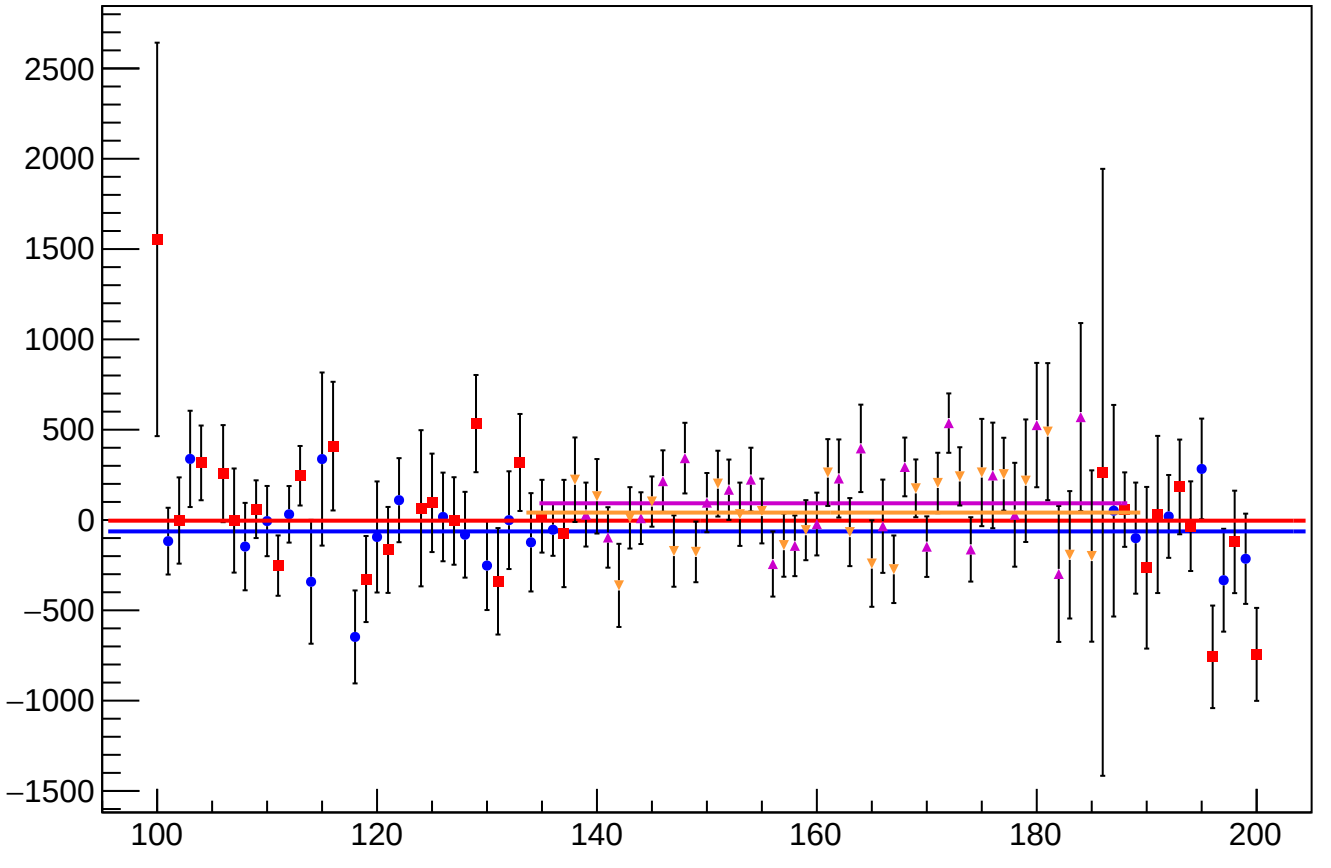
Right: 432.167+/-324.136 χ^2/NDF: 57.5/49

In: 52.716+/-231.301 χ^2/NDF:51.8/44

Out: -662.149+/-222.073 χ^2/NDF:102.1/52

All: -319.261+/-160.192 χ^2/NDF: 158.8/97


asym_sam_48_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: 1481.993+/-0.338 χ²/NDF: 3616926.0/21
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1454.689+/-0.312 χ²/NDF: 5447997.2/27
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1467.270+/-0.229 χ²/NDF: 9068449.1/49
In: 1203.274+/-0.164 χ²/NDF:5236576.1/44
Out: 1201.751+/-0.157 χ²/NDF:7194759.8/52
All: 1202.482+/-0.113 χ²/NDF: 12431381.0/9



Right In: -63.097+/-51.003 χ^2/NDF: 13.8/21

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

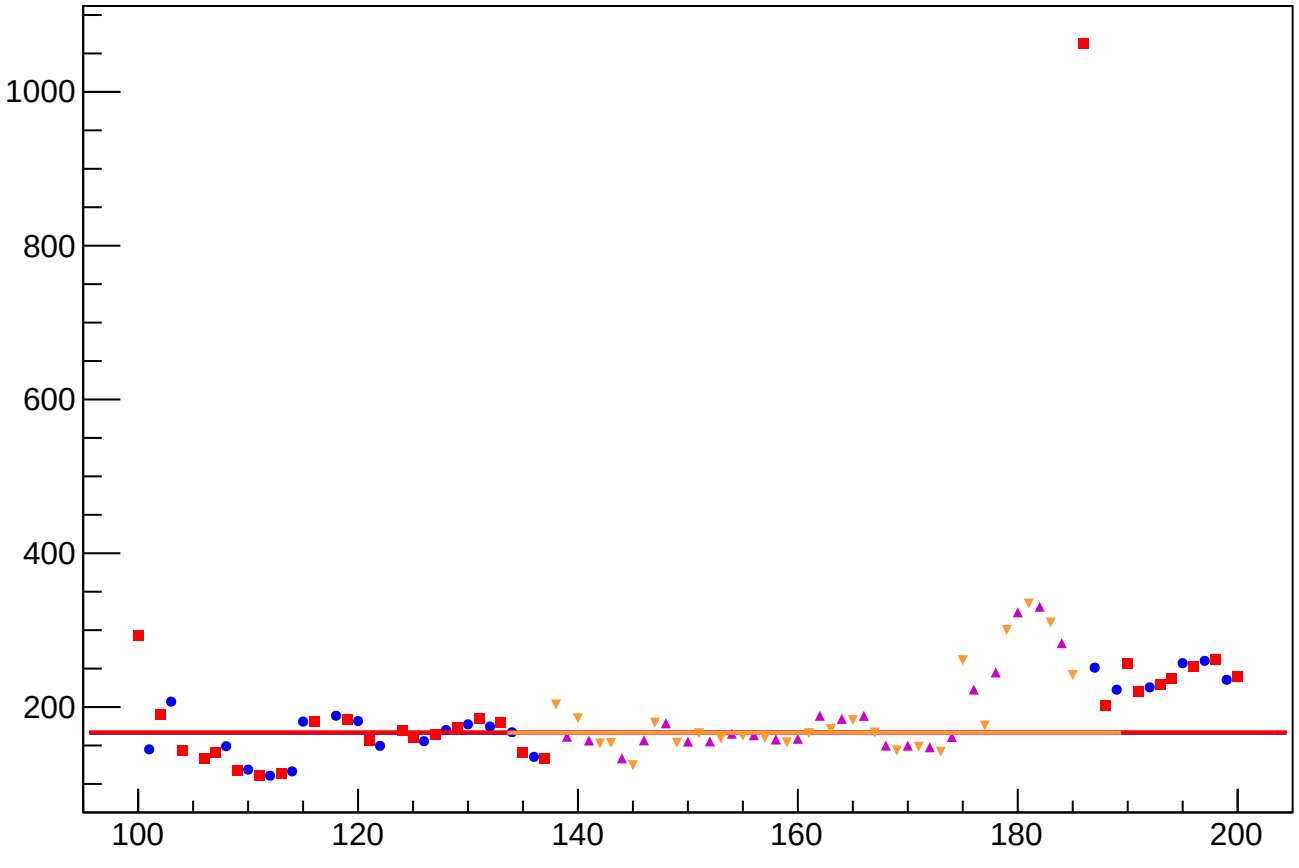
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -31.442+/-34.858 χ^2/NDF: 51.6/49

In: 32.975+/-31.555 χ^2/NDF:49.1/44

Out: 23.070+/-30.288 χ^2/NDF:60.0/52

All: 27.820+/-21.851 χ^2/NDF: 109.1/97



Right In: 166.479+/-0.036 χ^2/NDF: 1459058.9/21

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

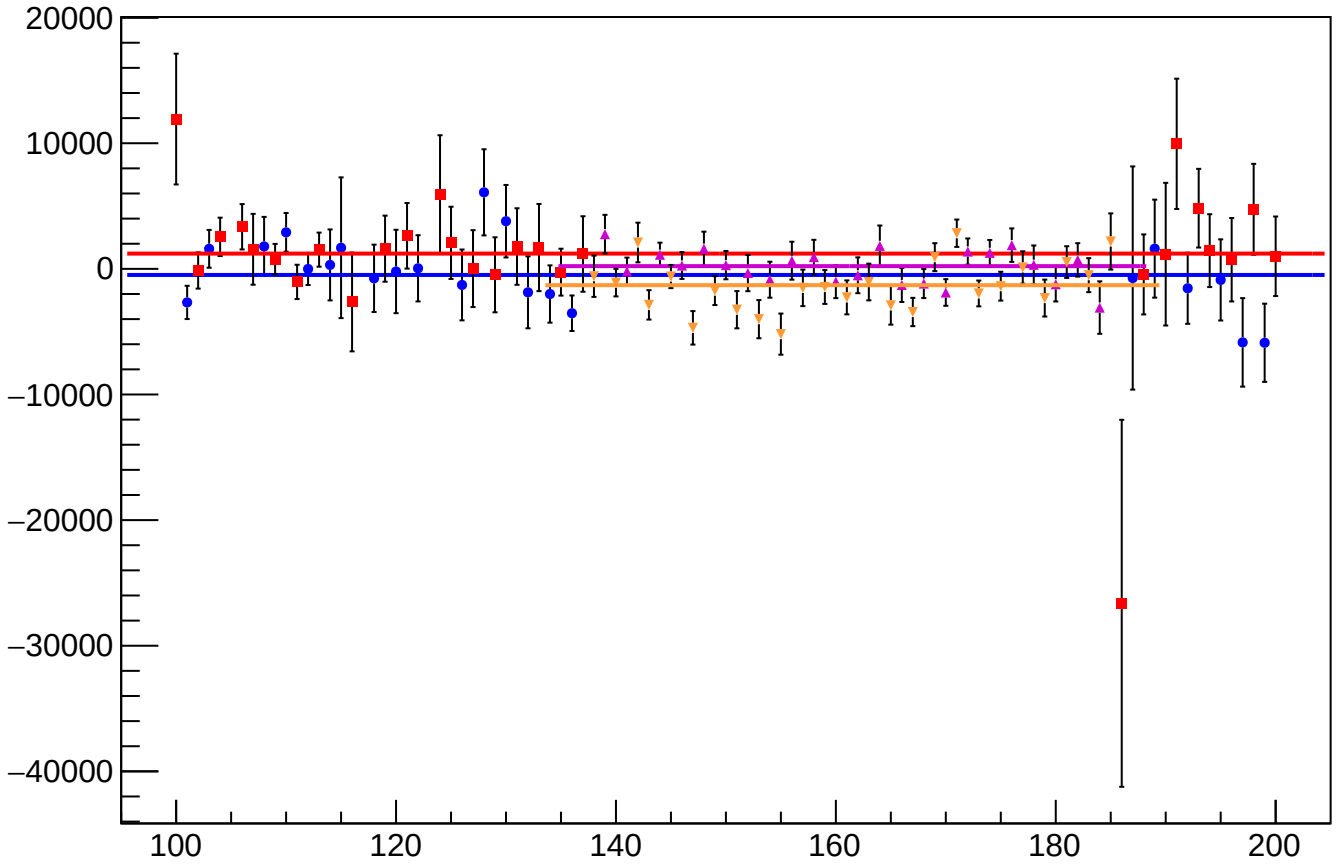
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 166.797+/-0.025 χ^2/NDF: 3869000.5/49

In: 166.374+/-0.022 χ^2/NDF:2851518.8/44

Out: 166.791+/-0.021 χ^2/NDF:4129744.2/52

All: 166.591+/-0.015 χ^2/NDF: 6981445.1/97



Right In: -484.111+/-477.513 χ^2/NDF: 27.9/21

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1215.118+/-441.407 χ^2/NDF: 22.8/27

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

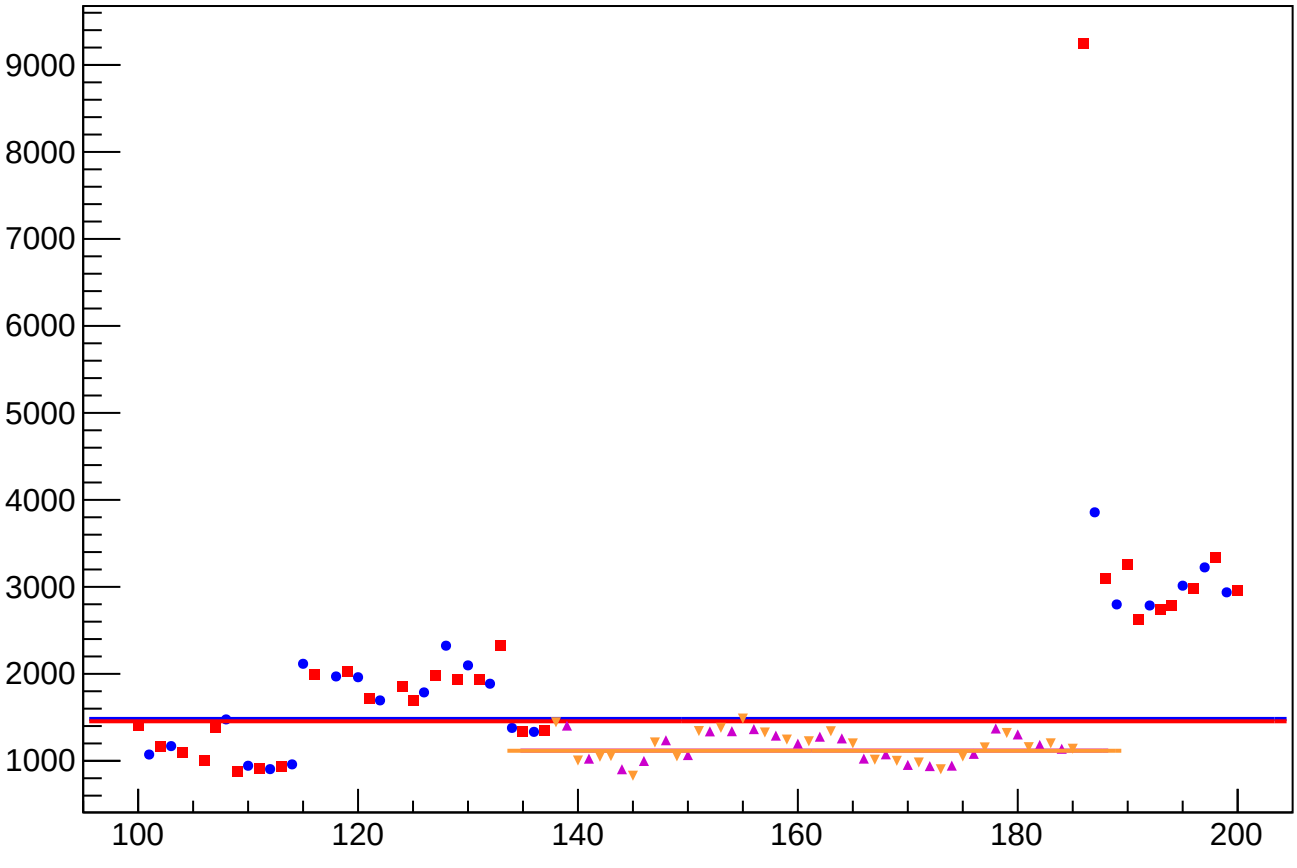
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 432.167+/-324.135 χ^2/NDF: 57.5/49

In: 52.715+/-231.301 χ^2/NDF:51.8/44

Out: -662.147+/-222.073 χ^2/NDF:102.1/52

All: -319.261+/-160.192 χ^2/NDF: 158.8/97



Right In: 1481.991+/-0.338 χ^2/NDF: 3616928.8/21

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1454.688+/-0.312 χ^2/NDF: 5447996.0/27

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

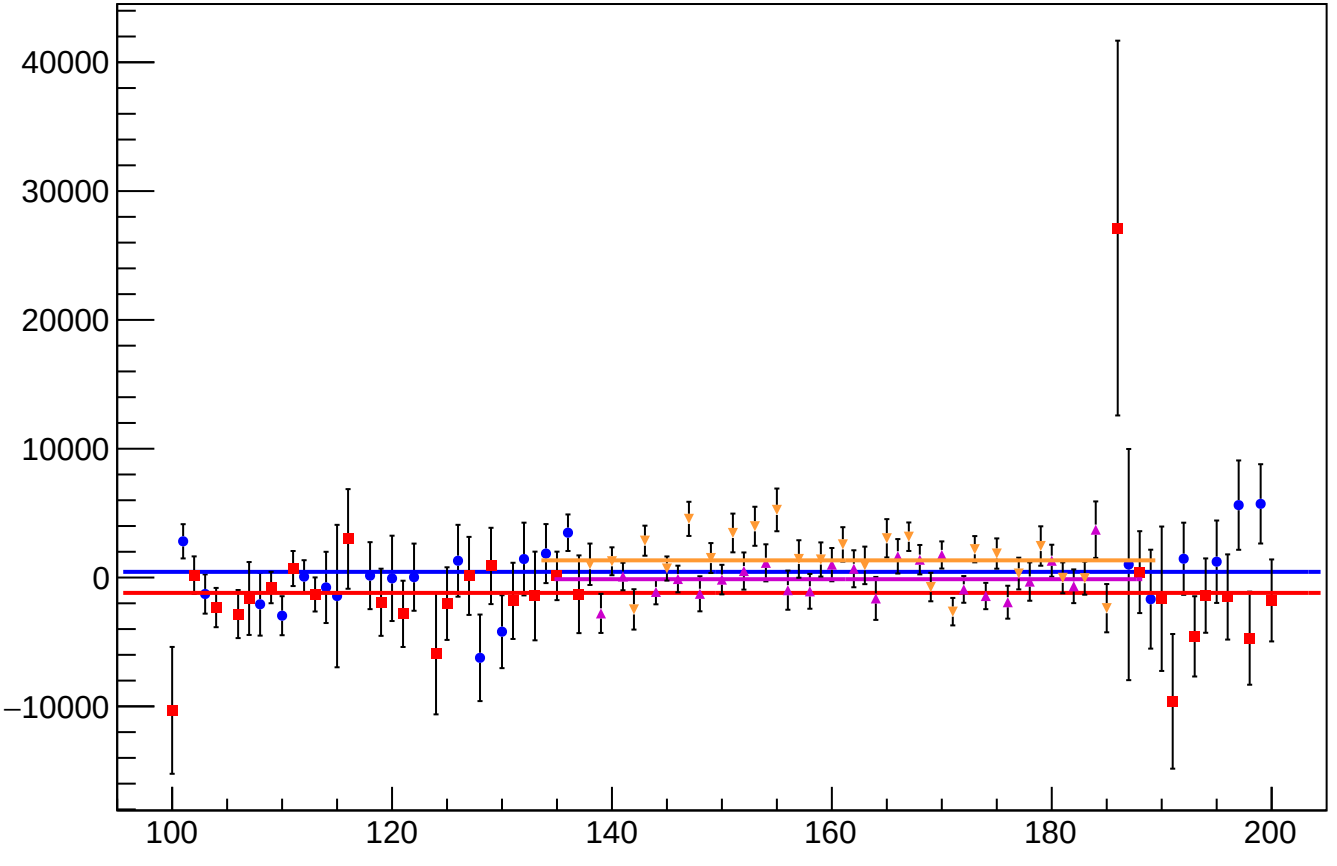
Right: 1467.268+/-0.229 χ^2/NDF: 9068450.7/49

In: 1203.273+/-0.164 χ^2/NDF:5236581.4/44

Out: 1201.749+/-0.157 χ^2/NDF:7194765.0/52

All: 1202.480+/-0.113 χ^2/NDF: 12431391.5/9

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 440.996+/-476.011 χ^2/NDF: 28.5/21

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

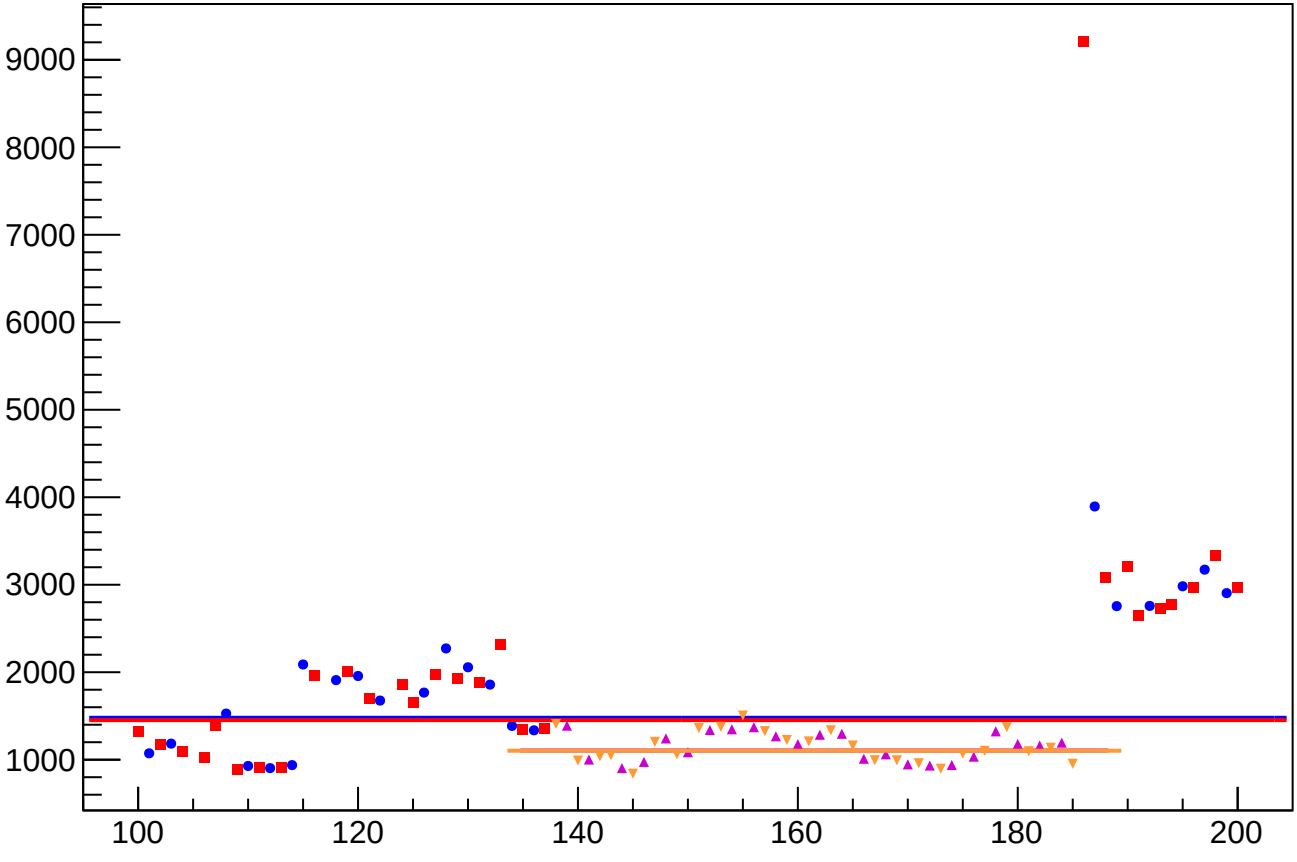
Right: -438.742+/-323.357 χ^2/NDF: 55.4/49

In: 3.561+/-229.136 χ^2/NDF:53.6/44

Out: 703.671+/-220.178 χ^2/NDF:100.9/52

All: 367.569+/-158.762 χ^2/NDF: 159.3/97

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1479.150+/-0.337 χ^2/NDF: 3547497.6/21

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

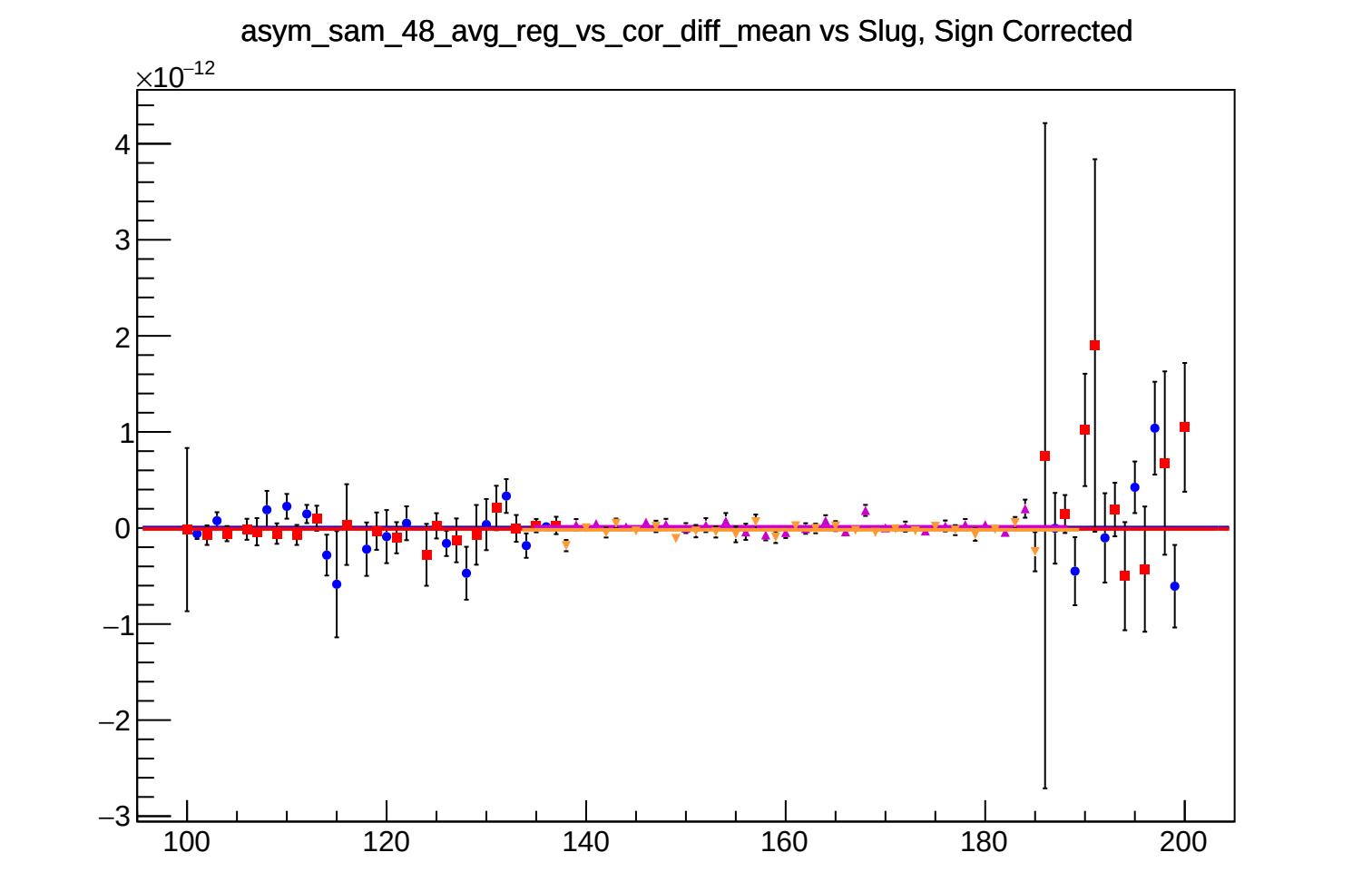
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1464.689+/-0.229 χ^2/NDF: 8956696.7/49

In: 1191.849+/-0.162 χ^2/NDF:5219105.3/44

Out: 1189.992+/-0.156 χ^2/NDF:7230872.7/52

All: 1190.883+/-0.112 χ^2/NDF: 12450046.3/9



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/21

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

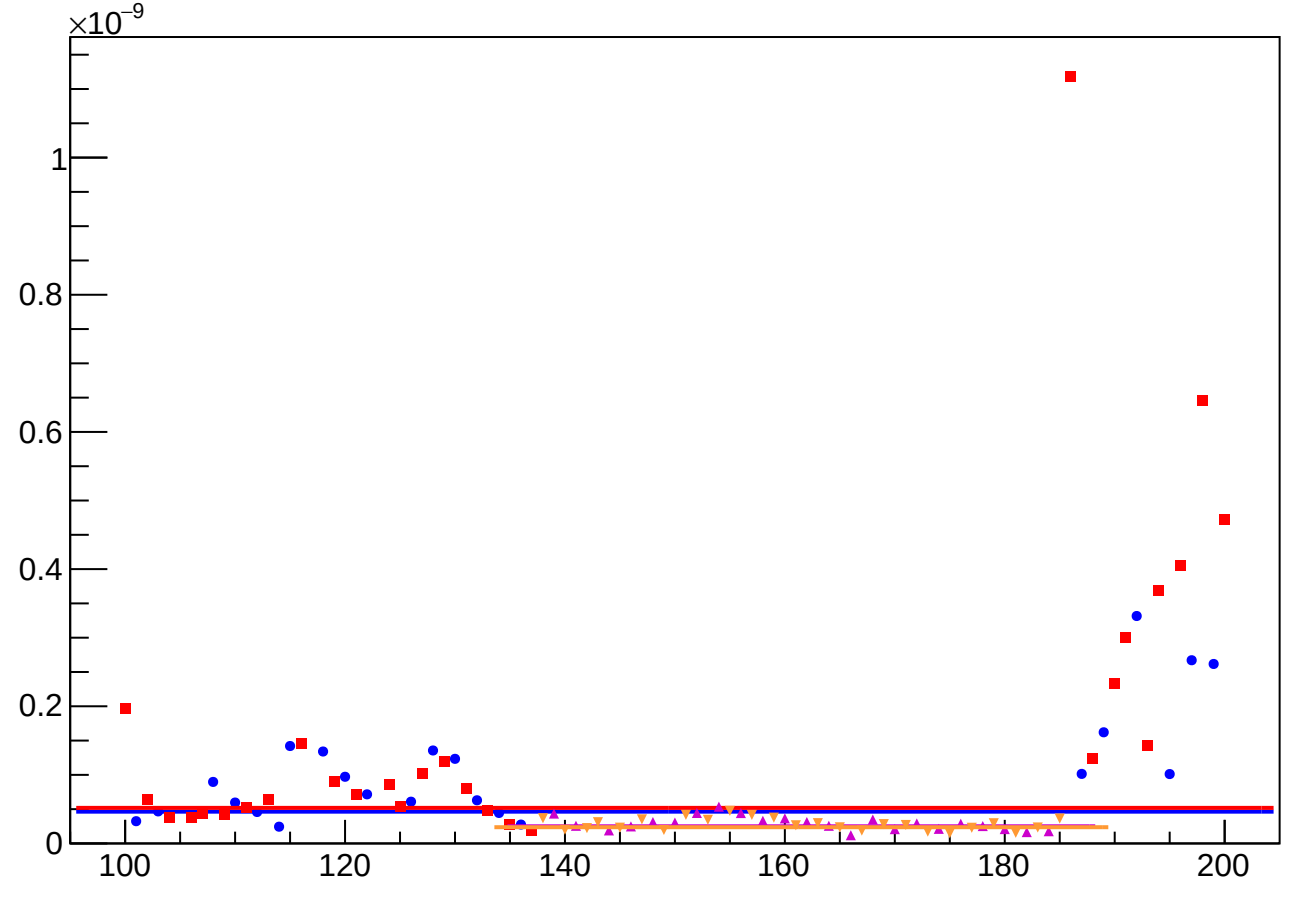
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/49

In: 0.000+/-0.000 χ^2/NDF:60.1/44

Out: -0.000+/-0.000 χ^2/NDF:40.9/52

All: -0.000+/-0.000 χ^2/NDF: 106.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 3398309.2/21

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

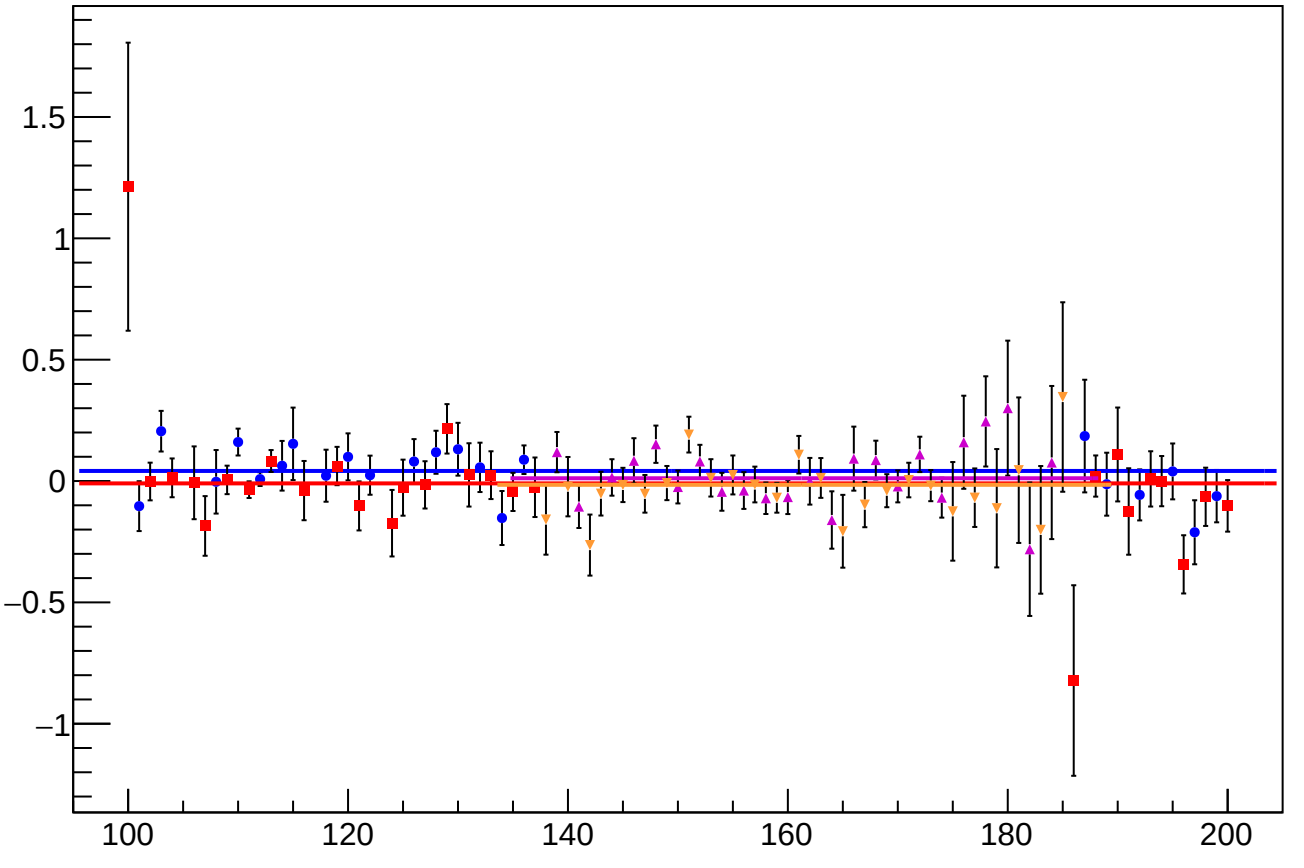
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8312212.0/49

In: 0.000+/-0.000 χ^2/NDF:6080895.7/44

Out: 0.000+/-0.000 χ^2/NDF:8105426.3/52

All: 0.000+/-0.000 χ^2/NDF: 14210269.9/97



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

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

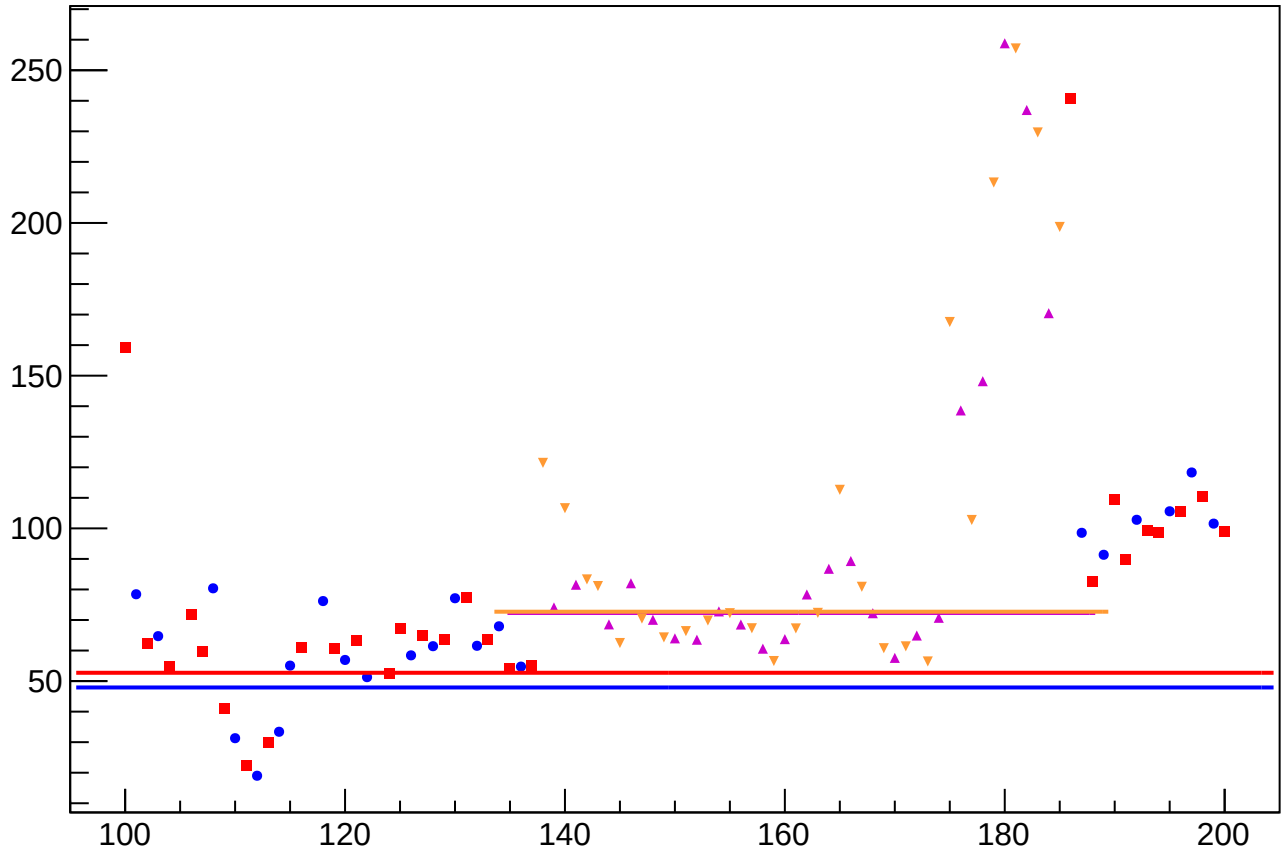
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.015+/-0.012 χ^2/NDF: 62.7/49

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.007+/-0.009 χ^2/NDF: 109.8/97



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

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

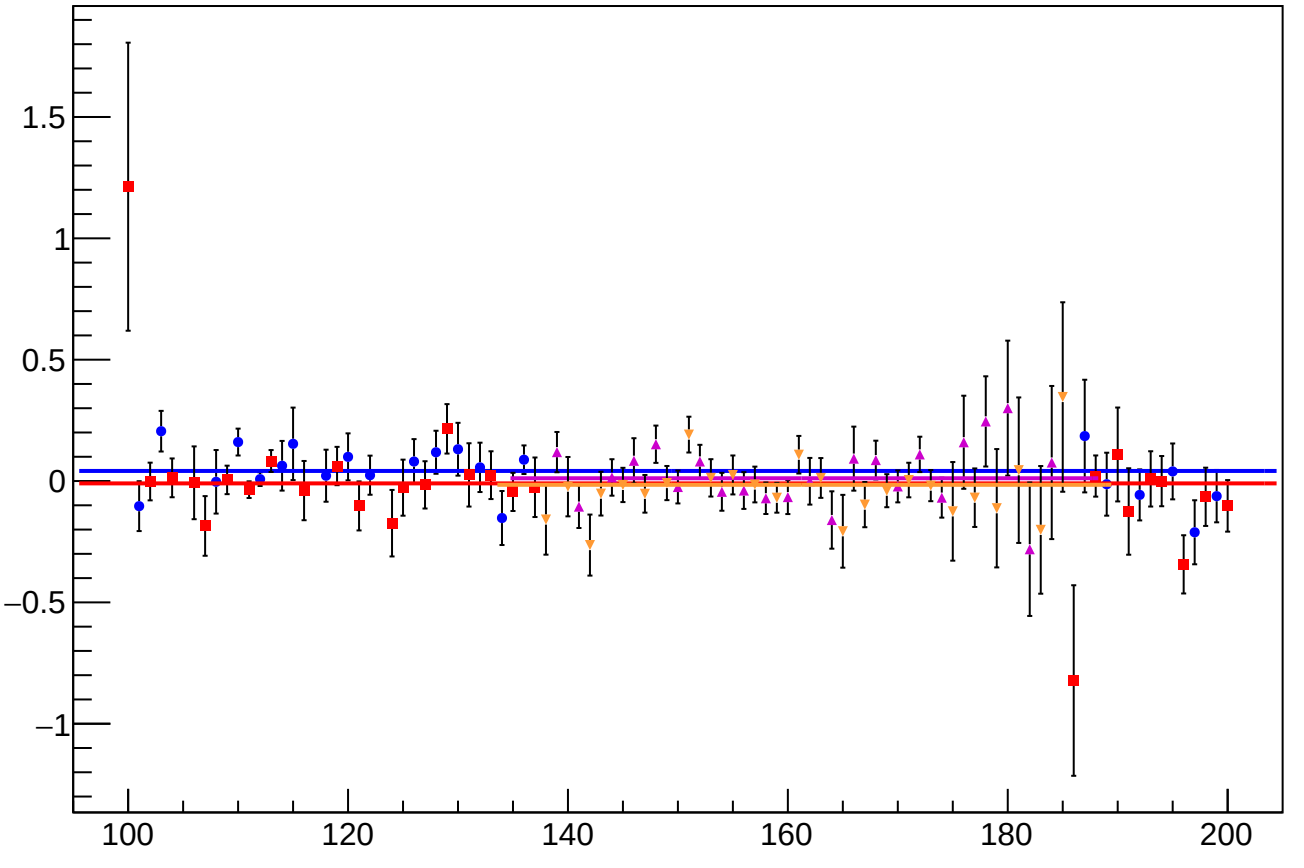
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 50.367+/-0.008 χ^2/NDF: 11198259.5/49

In: 59.076+/-0.009 χ^2/NDF:10373880.3/44

Out: 61.817+/-0.009 χ^2/NDF:10778013.6/52

All: 60.473+/-0.006 χ^2/NDF: 21202107.5/97



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

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

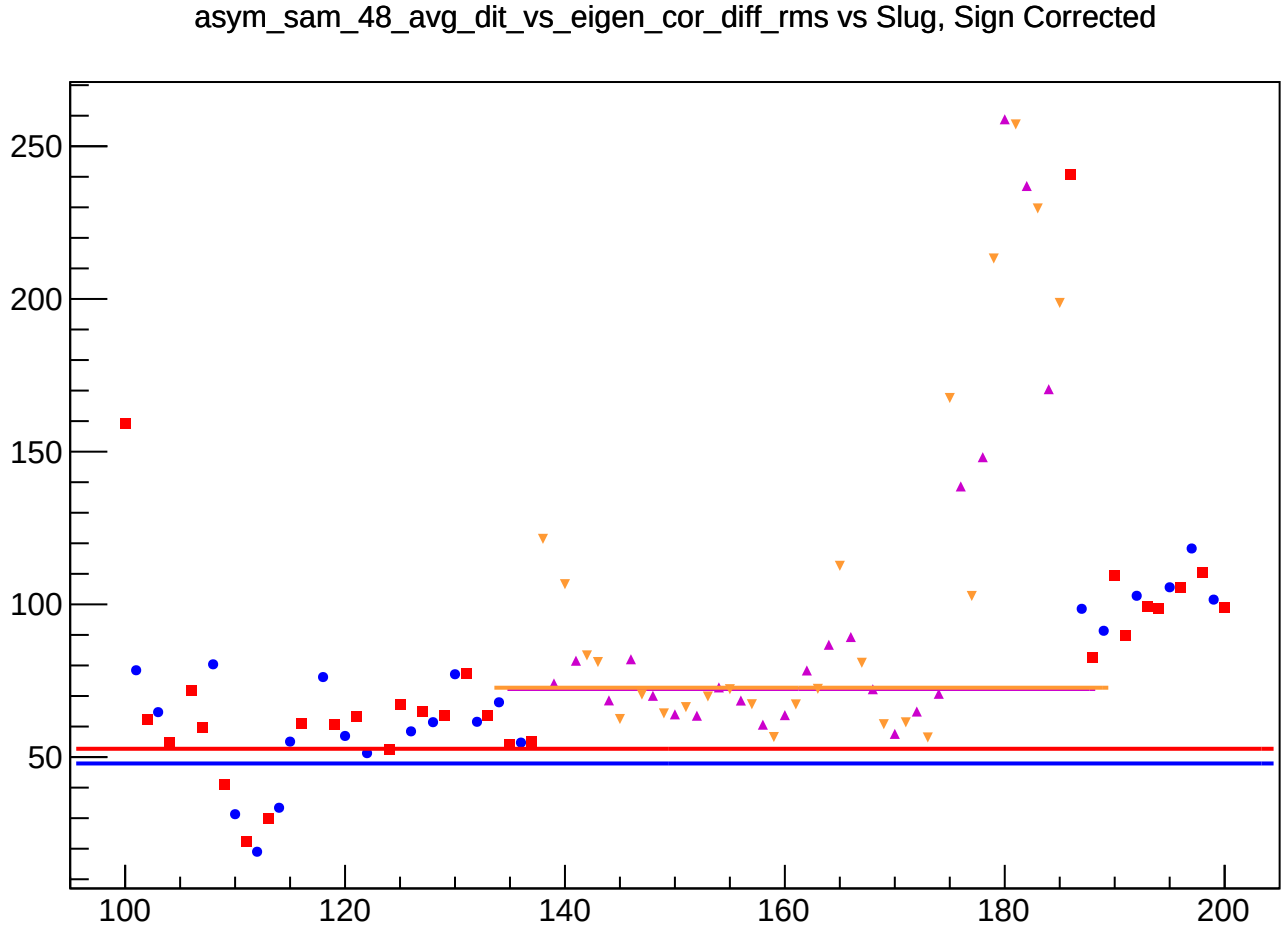
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.015+/-0.012 χ^2/NDF: 62.7/49

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.007+/-0.009 χ^2/NDF: 109.8/97



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

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

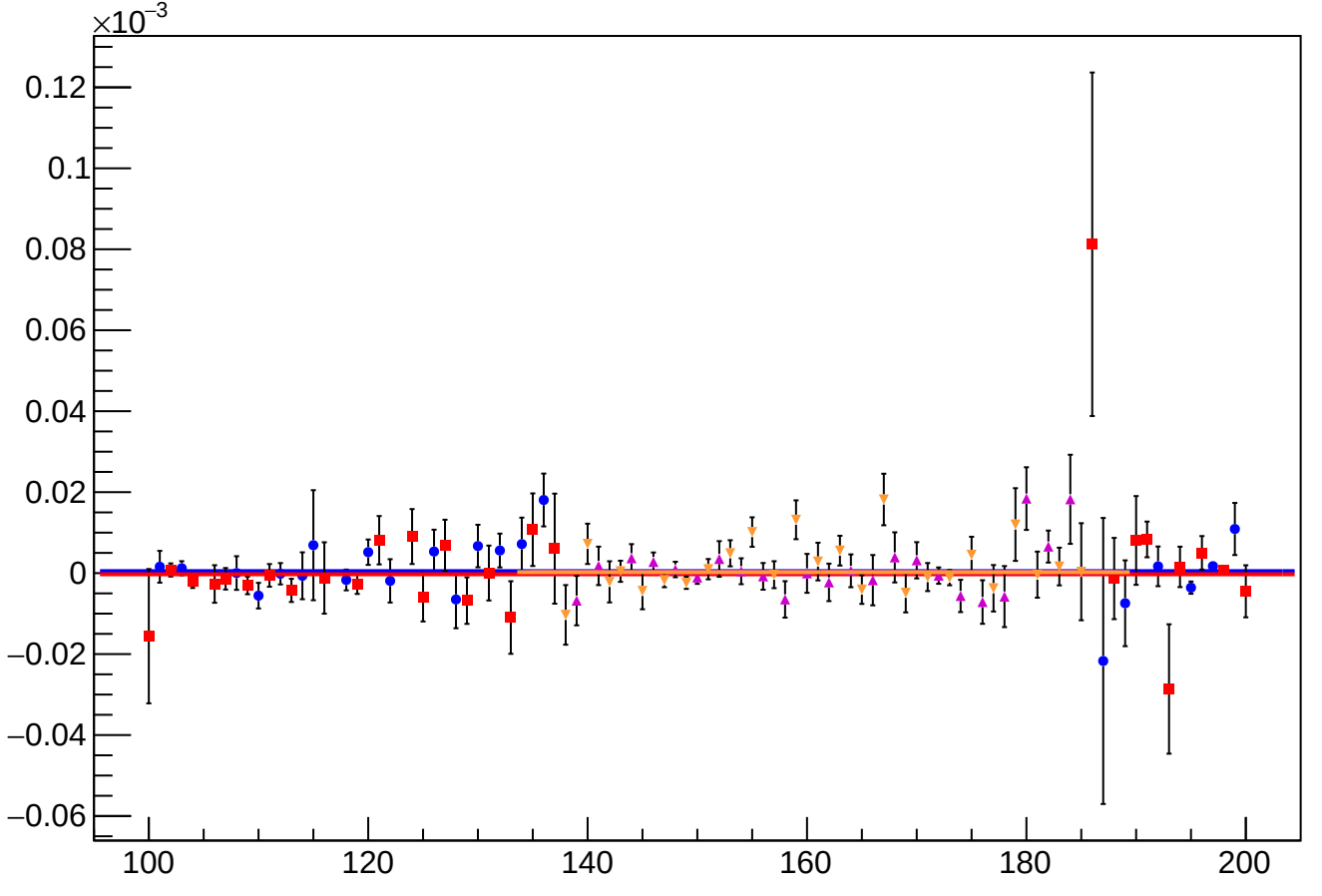
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 50.367+/-0.008 χ^2/NDF: 11198259.5/49

In: 59.076+/-0.009 χ^2/NDF:10373880.3/44

Out: 61.817+/-0.009 χ^2/NDF:10778013.6/52

All: 60.473+/-0.006 χ^2/NDF: 21202107.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/27

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

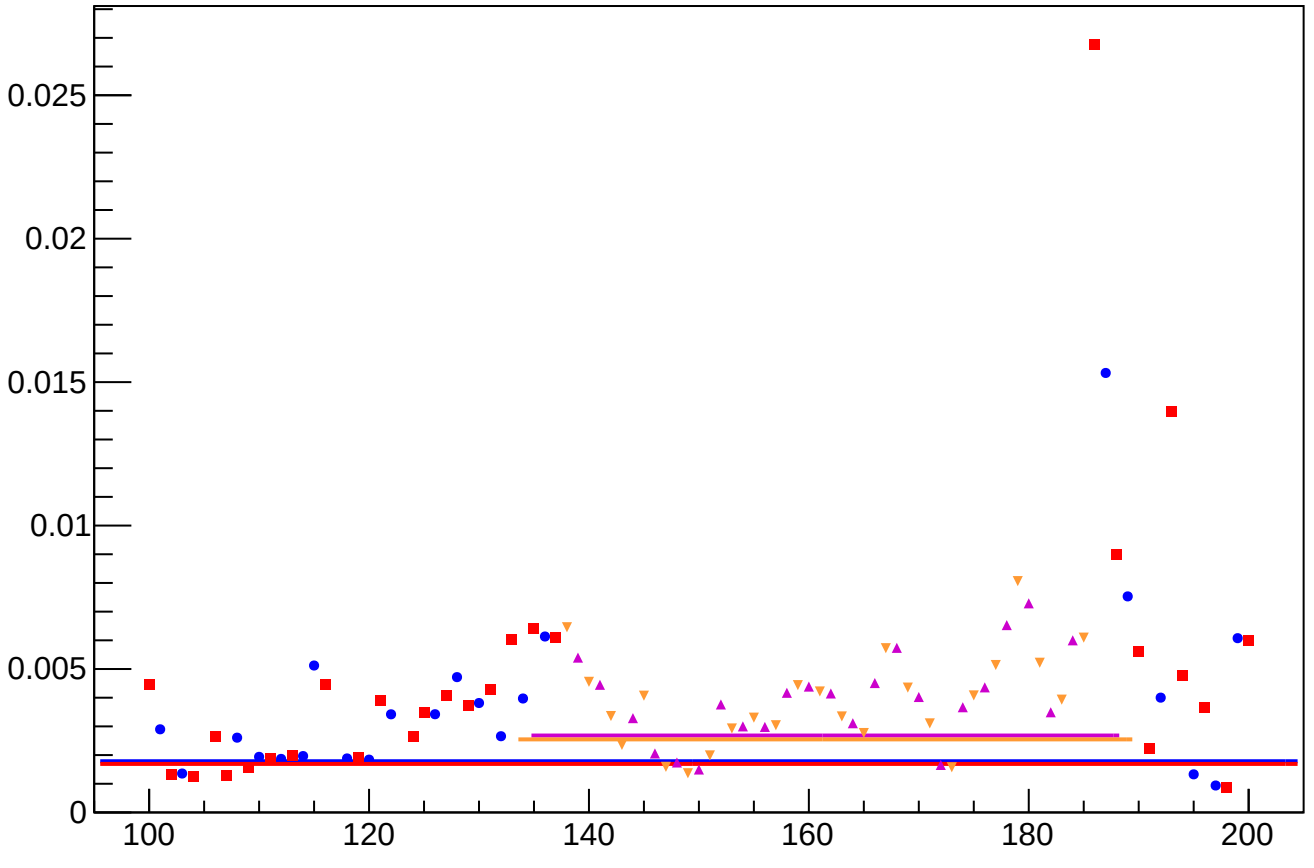
Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

Right: 0.000+/-0.000 χ^2/NDF: 64.8/49

In: 0.000+/-0.000 χ^2/NDF:56.4/44

Out: -0.000+/-0.000 χ^2/NDF:75.5/52

All: 0.000+/-0.000 χ^2/NDF: 132.4/97



Right In: 0.002+/-0.000 χ^2/NDF: 6006488.9/21

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

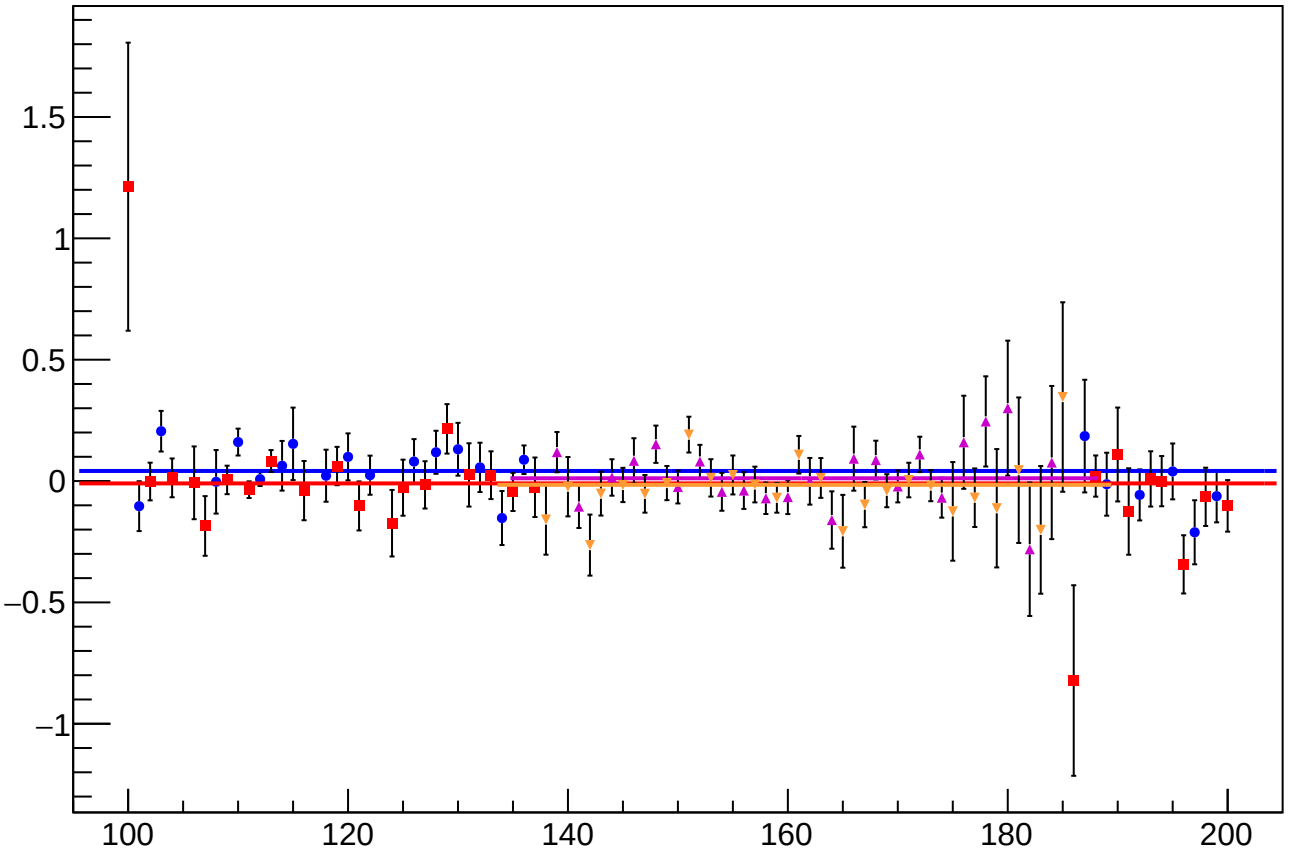
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 15893577.2/49

In: 0.002+/-0.000 χ^2/NDF:14259003.3/44

Out: 0.002+/-0.000 χ^2/NDF:19251826.5/52

All: 0.002+/-0.000 χ^2/NDF: 33578466.5/97



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

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

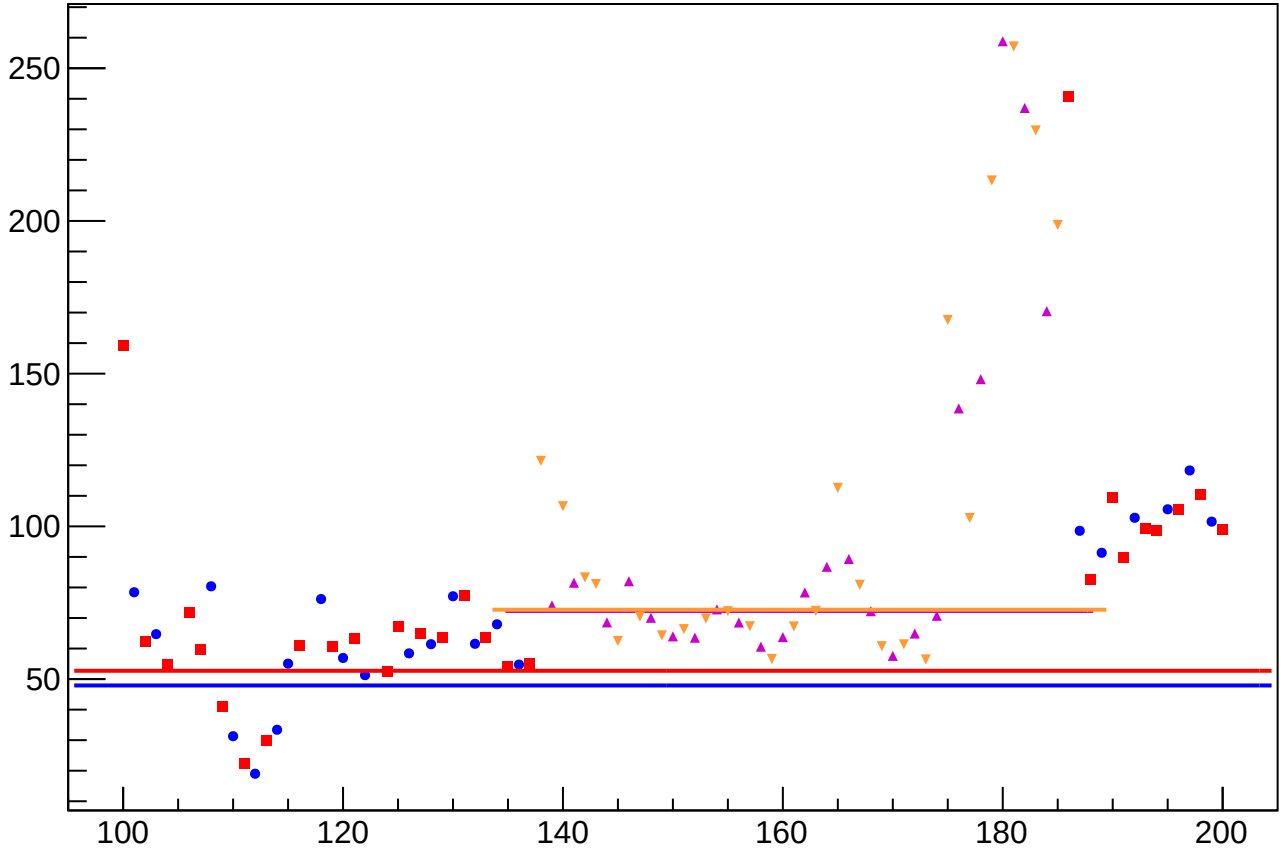
Right: 0.015+/-0.012 χ^2/NDF: 62.7/49

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.007+/-0.009 χ^2/NDF: 109.8/97

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

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

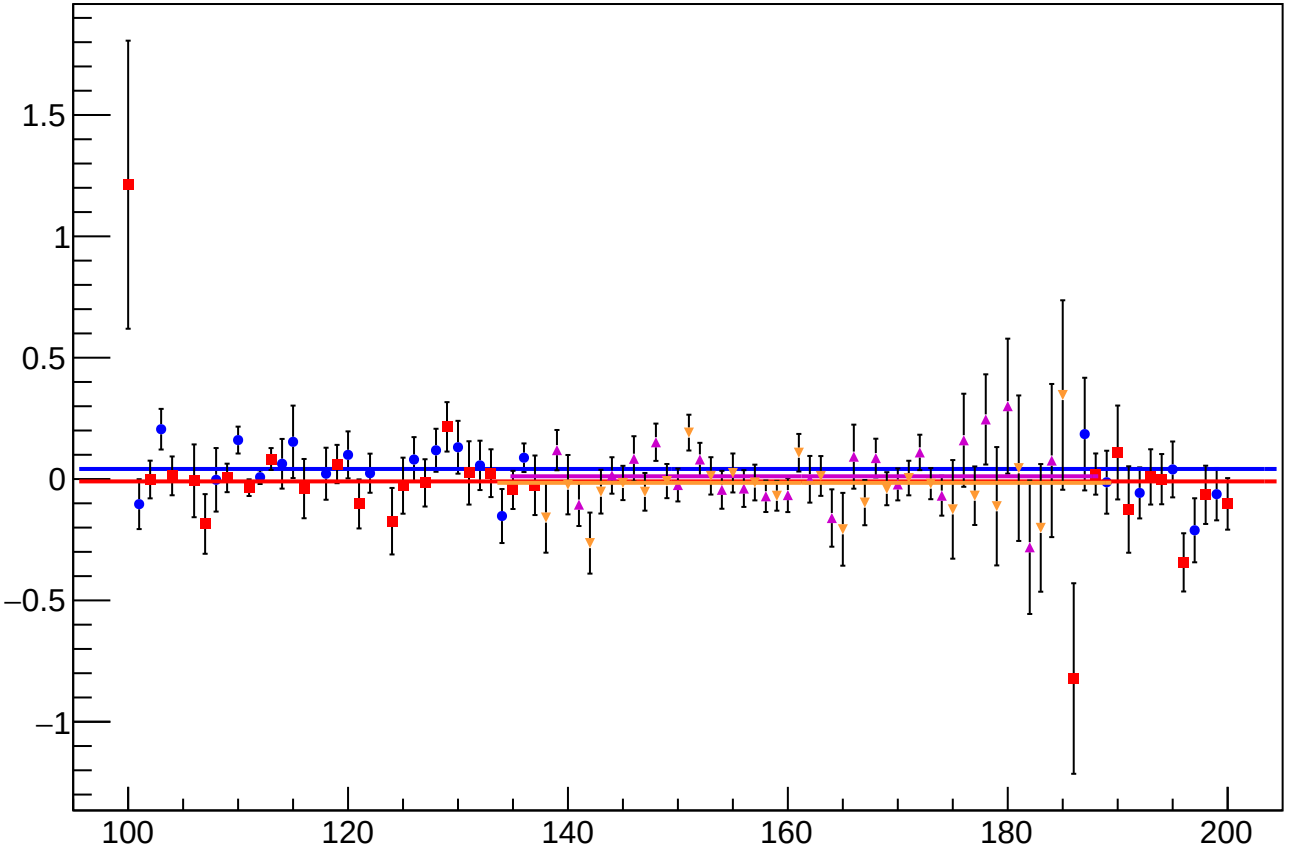
Right: 50.366+/-0.008 χ^2/NDF: 11198739.5/49

In: 59.075+/-0.009 χ^2/NDF:10374284.3/44

Out: 61.817+/-0.009 χ^2/NDF:10778436.7/52

All: 60.472+/-0.006 χ^2/NDF: 21202939.0/97

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

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

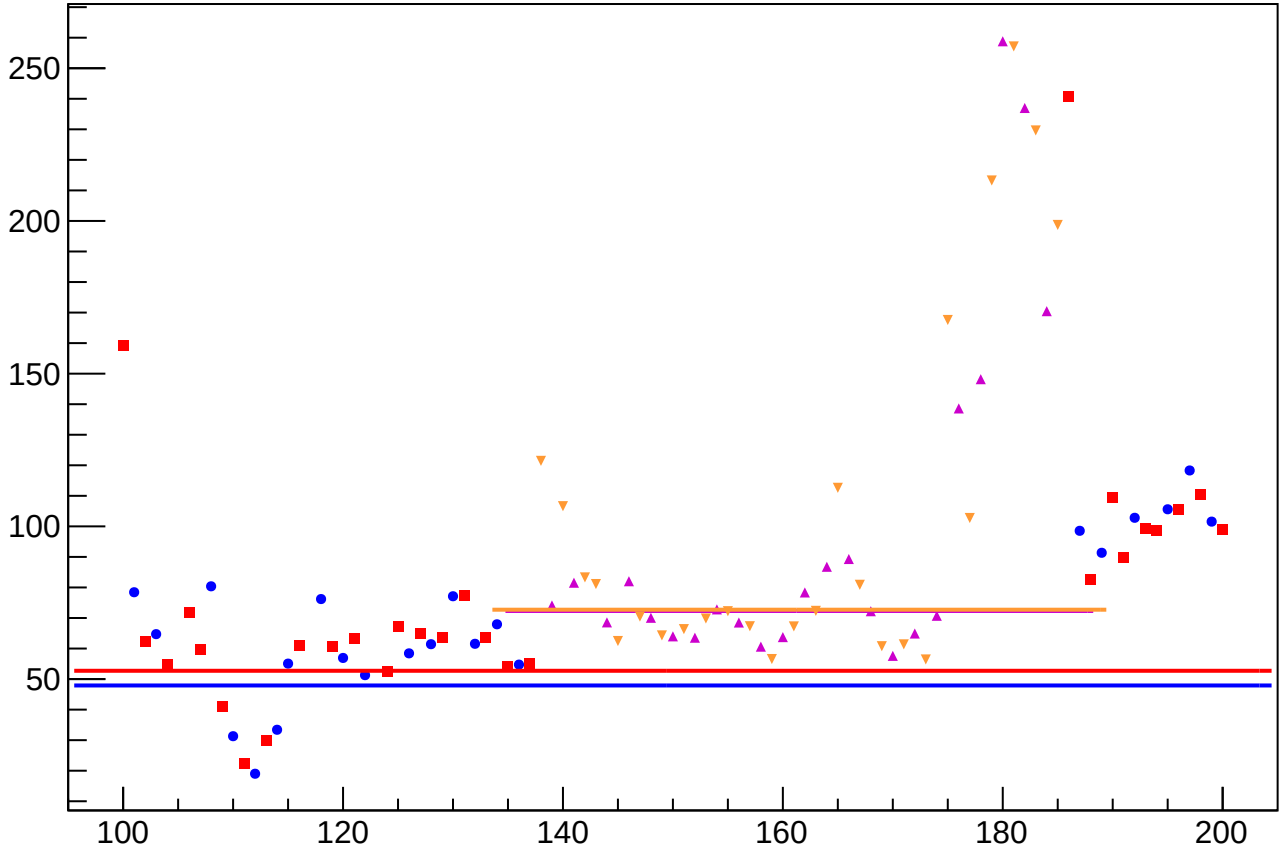
Right: 0.015+/-0.012 χ^2/NDF: 62.7/49

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.012+/-0.012 χ^2/NDF:55.3/52

All: 0.007+/-0.009 χ^2/NDF: 109.8/97

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

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

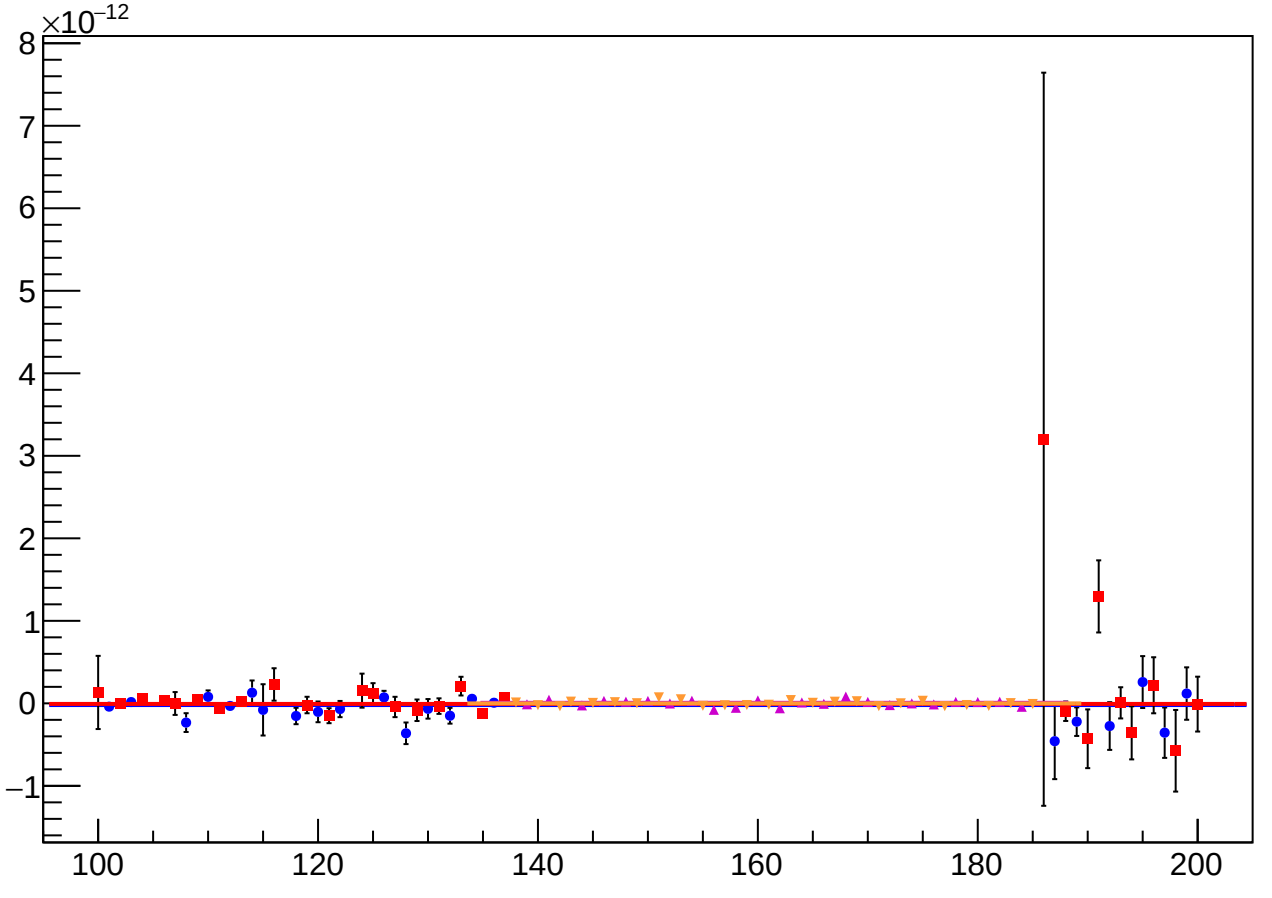
Right: 50.366+/-0.008 χ^2/NDF: 11198739.5/49

In: 59.075+/-0.009 χ^2/NDF:10374284.3/44

Out: 61.817+/-0.009 χ^2/NDF:10778436.7/52

All: 60.472+/-0.006 χ^2/NDF: 21202939.0/97

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/21

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

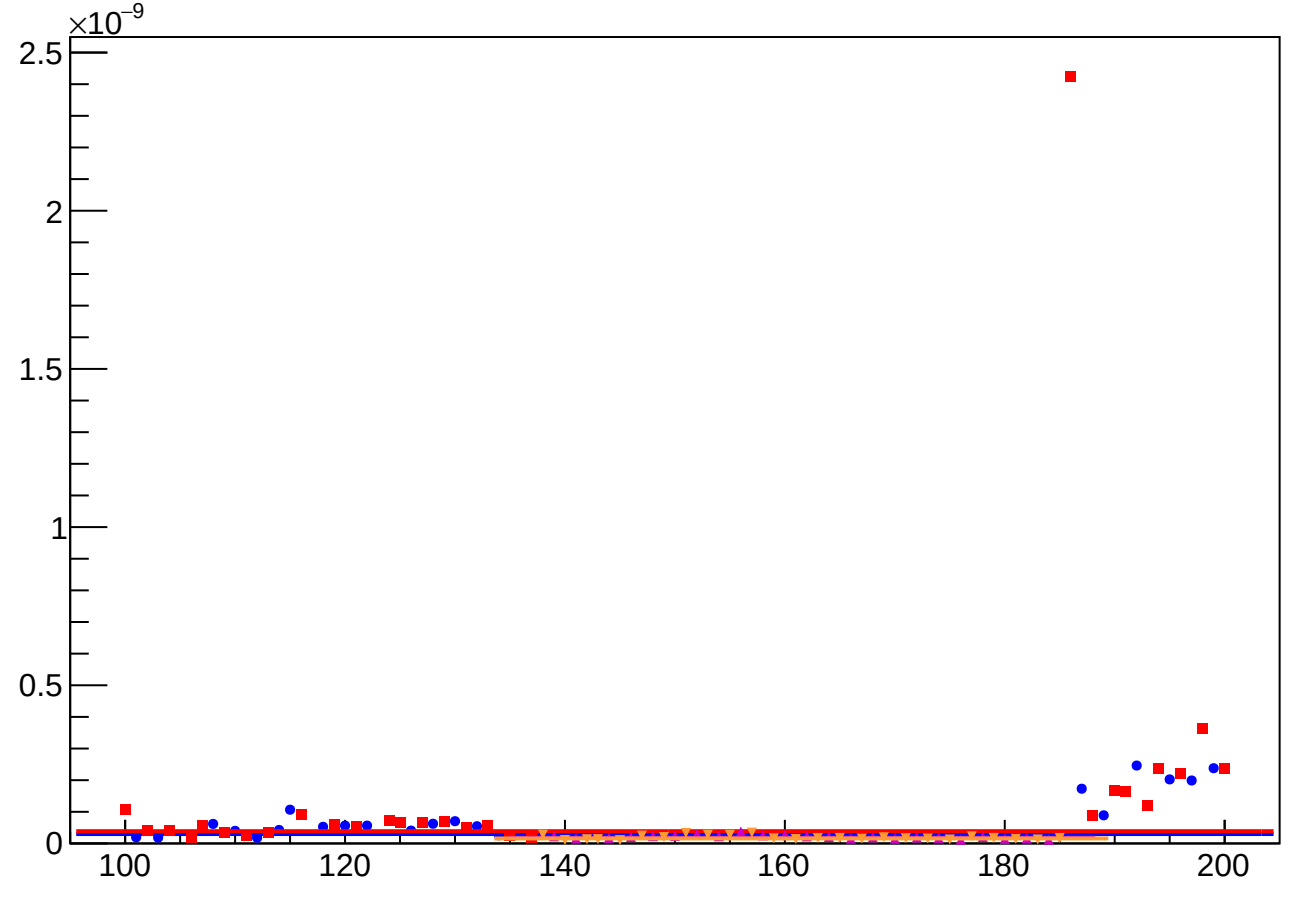
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 66.2/49

In: 0.000+/-0.000 χ^2/NDF:69.6/44

Out: -0.000+/-0.000 χ^2/NDF:65.7/52

All: 0.000+/-0.000 χ^2/NDF: 135.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 5473021.6/21

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

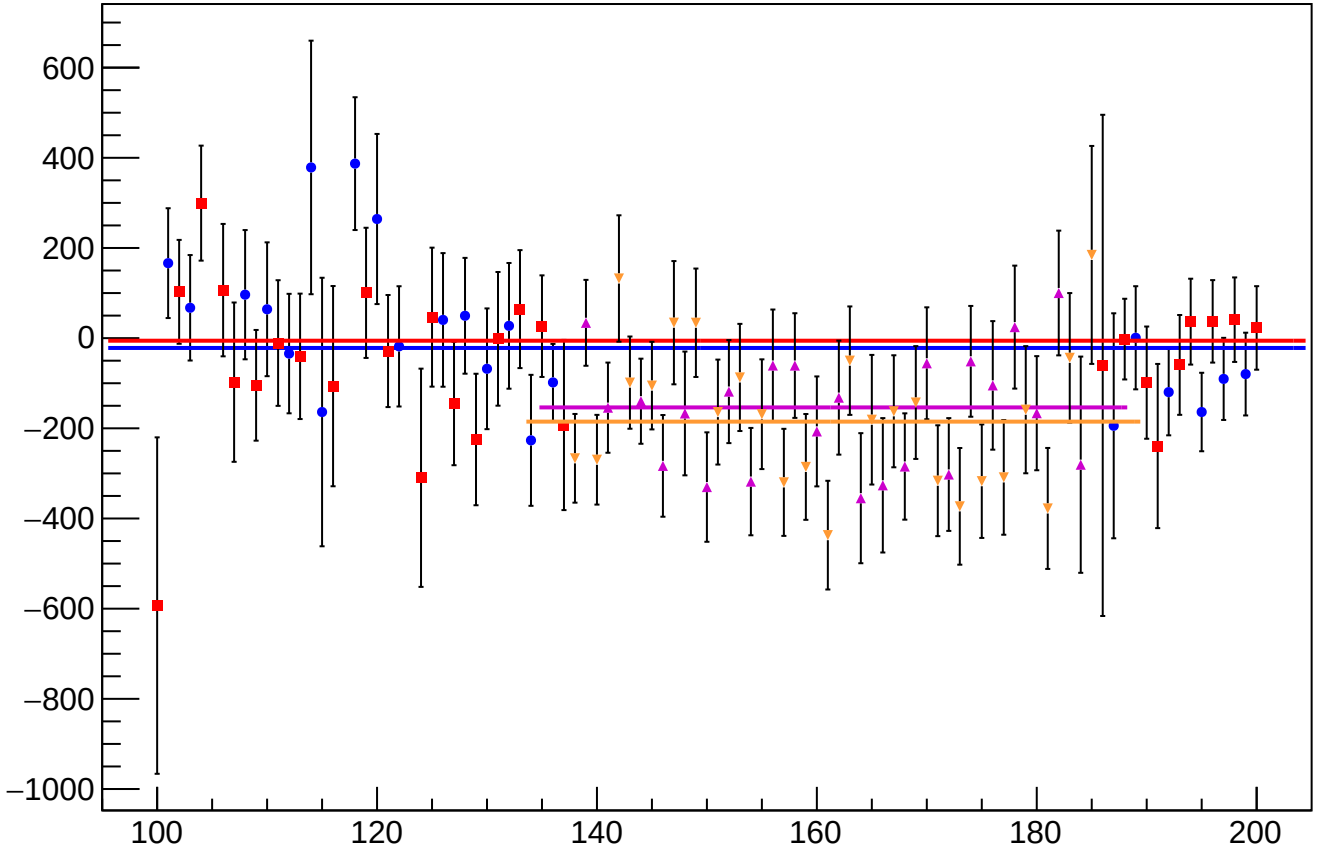
Right: 0.000+/-0.000 χ^2/NDF: 12238630.8/49

In: 0.000+/-0.000 χ^2/NDF:8255174.7/44

Out: 0.000+/-0.000 χ^2/NDF:12402477.8/52

All: 0.000+/-0.000 χ^2/NDF: 20844549.6/97

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -21.762+/-26.572 χ^2/NDF: 25.0/21

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

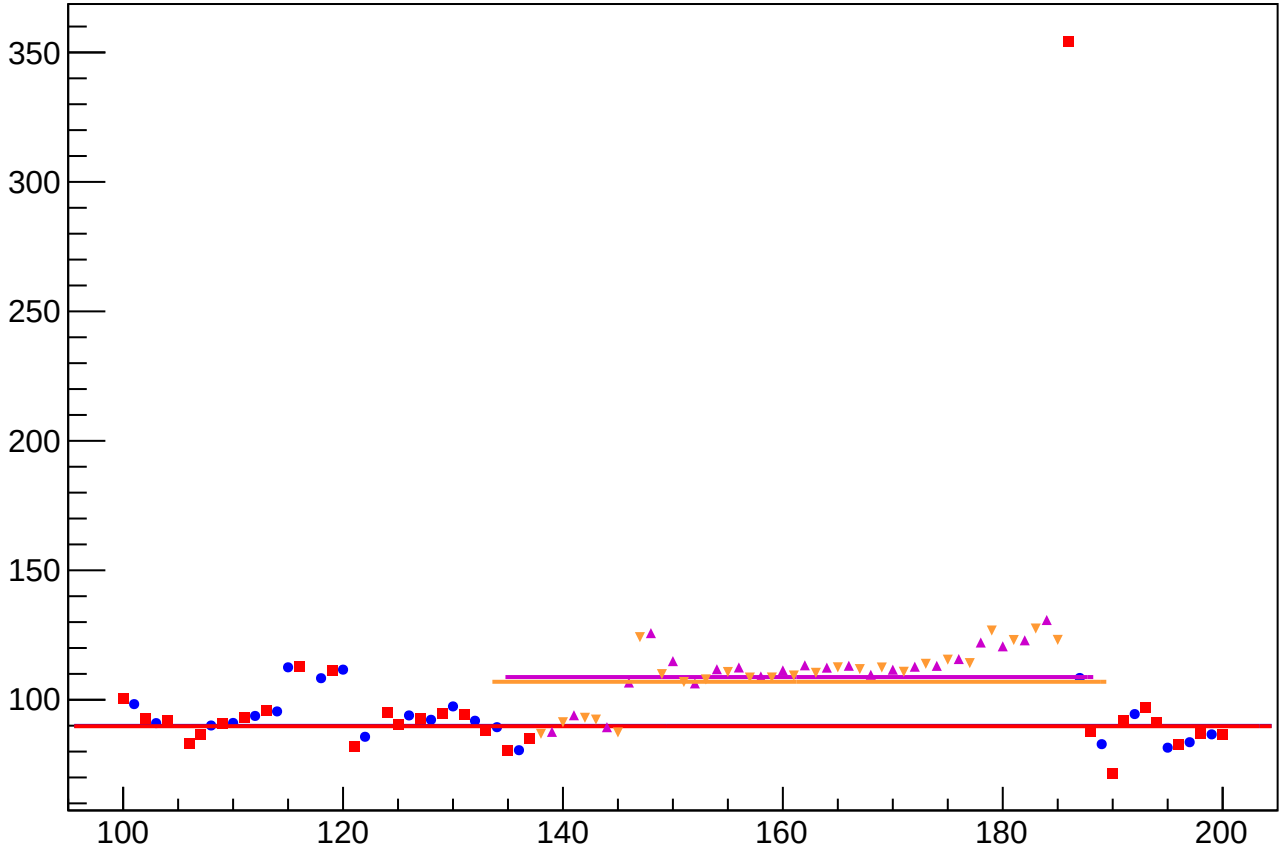
Right: -13.087+/-18.030 χ^2/NDF: 46.1/49

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -95.752+/-17.323 χ^2/NDF:80.9/52

All: -93.196+/-12.617 χ^2/NDF: 142.2/97

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

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

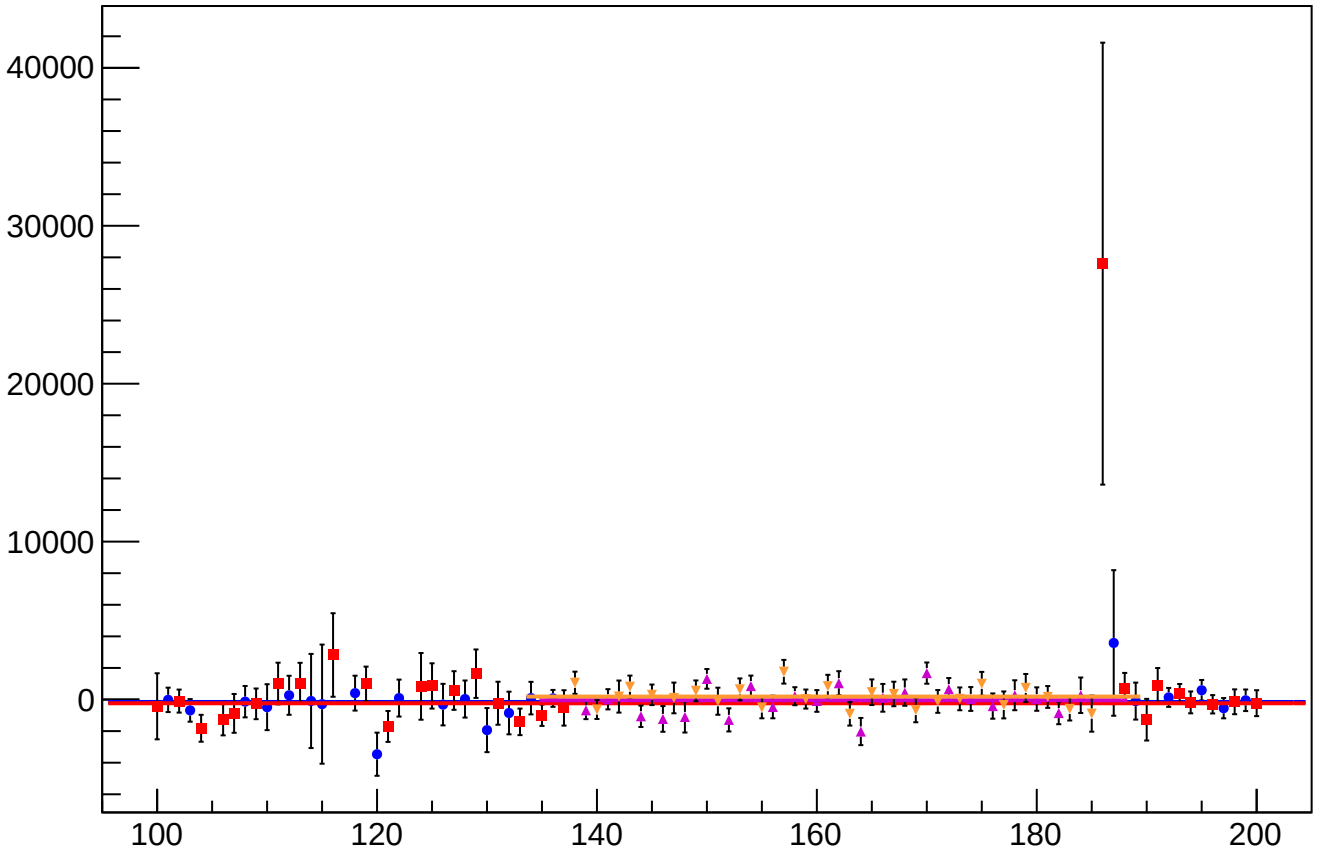
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.852+/-0.013 χ^2/NDF: 802315.8/49

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.405+/-0.012 χ^2/NDF:1586758.8/52

All: 99.025+/-0.009 χ^2/NDF: 2644922.8/97



Right In: -154.857+/-198.754 χ^2/NDF: 11.7/21

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

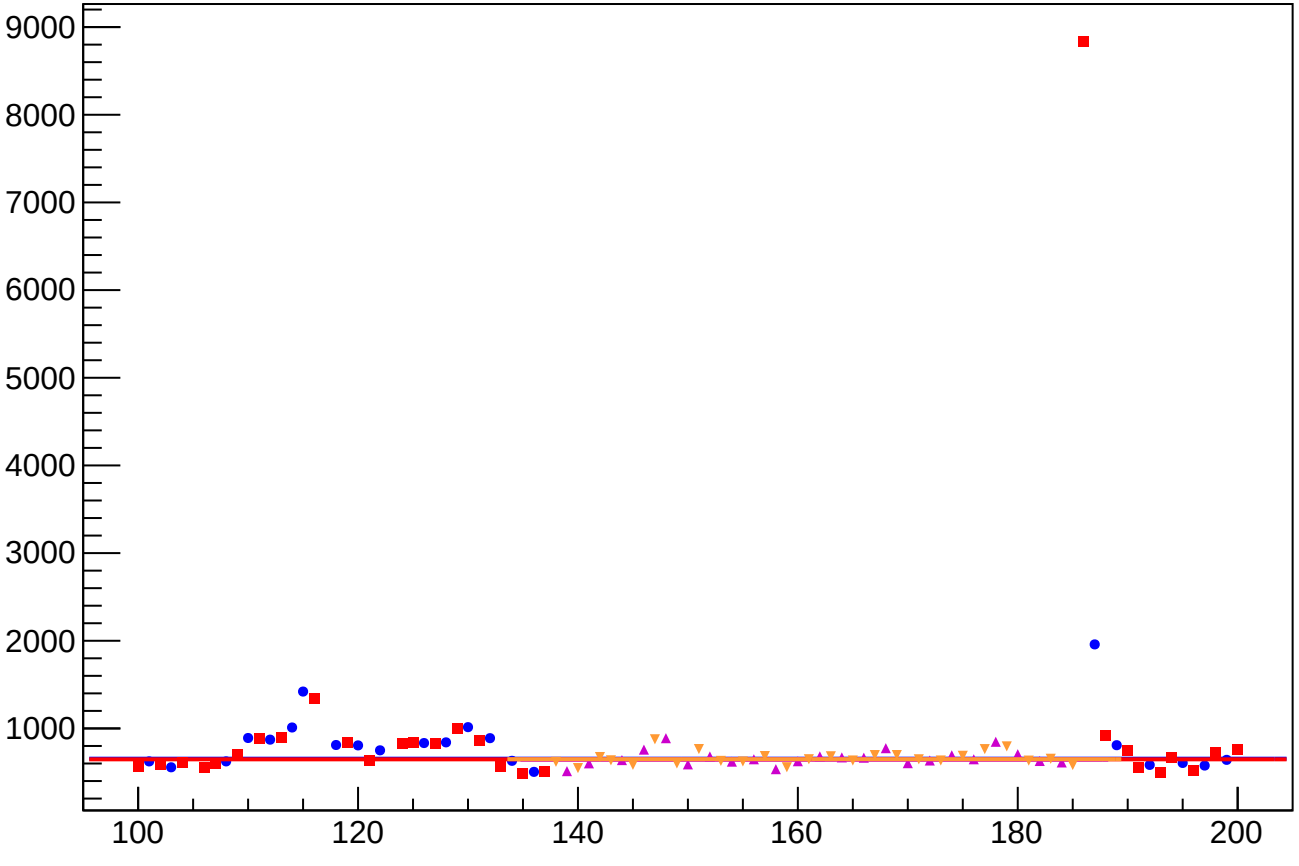
Right: -199.126+/-134.677 χ^2/NDF: 37.3/49

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 18.150+/-115.492 χ^2/NDF:47.8/52

All: -30.863+/-83.468 χ^2/NDF: 93.8/97

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.7/21

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

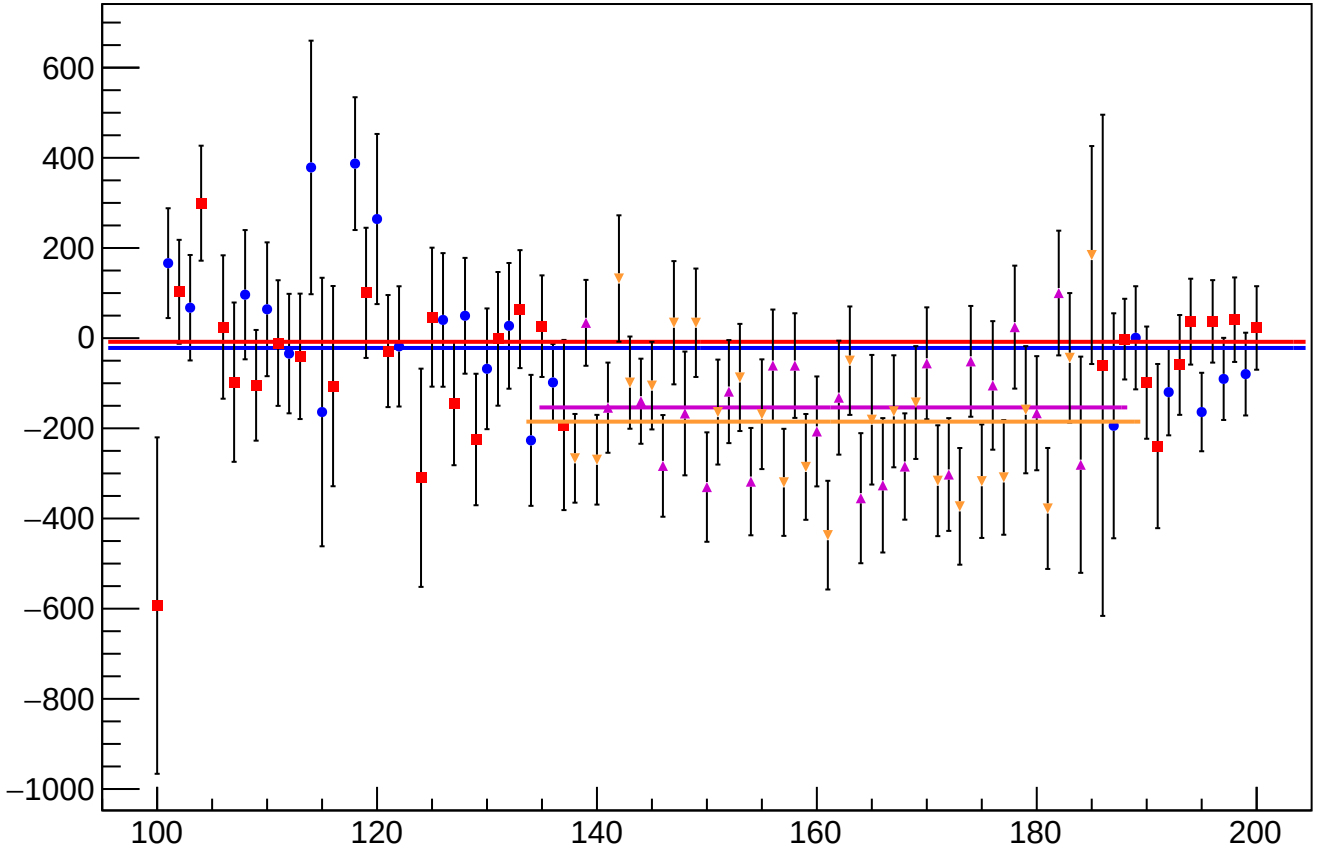
Right: 650.989+/-0.095 χ^2/NDF: 3001547.2/49

In: 648.087+/-0.085 χ^2/NDF:1612313.0/44

Out: 648.568+/-0.082 χ^2/NDF:2369116.3/52

All: 648.338+/-0.059 χ^2/NDF: 3981445.9/97

cor_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

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

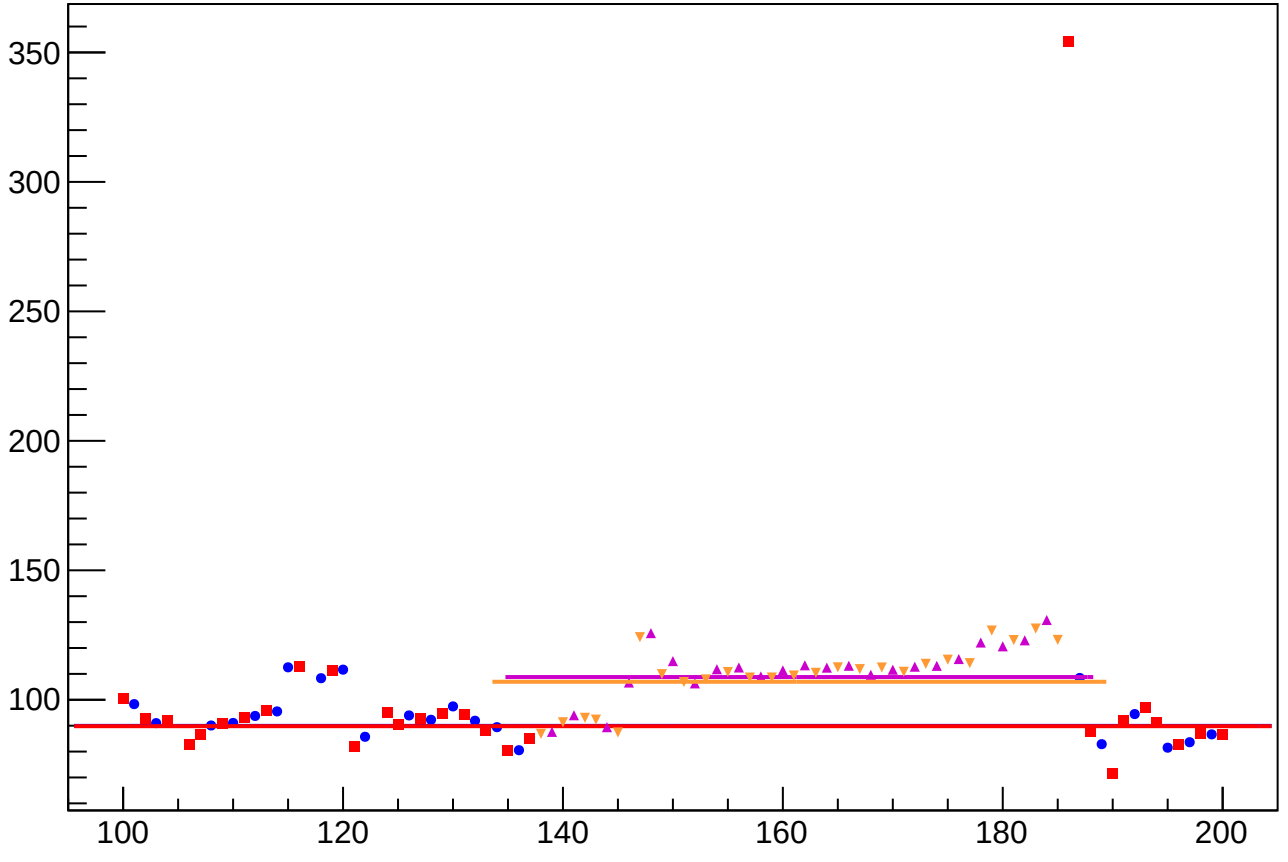
Right: -14.403+/-18.050 χ^2/NDF: 45.5/49

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -97.141+/-17.341 χ^2/NDF:79.5/52

All: -93.930+/-12.624 χ^2/NDF: 140.9/97

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

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

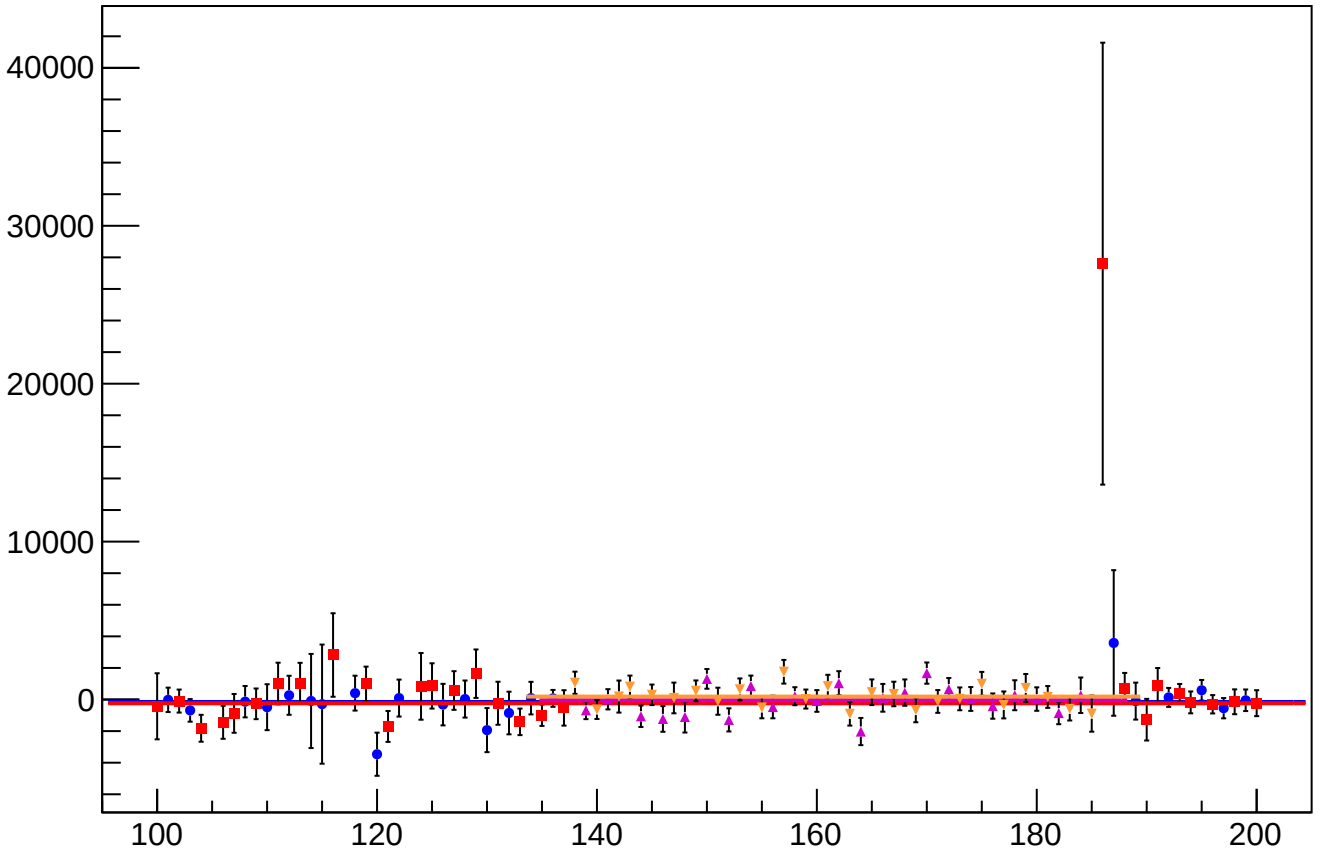
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.859+/-0.013 χ^2/NDF: 802307.7/49

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.429+/-0.012 χ^2/NDF:1584917.4/52

All: 99.039+/-0.009 χ^2/NDF: 2642872.4/97



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

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

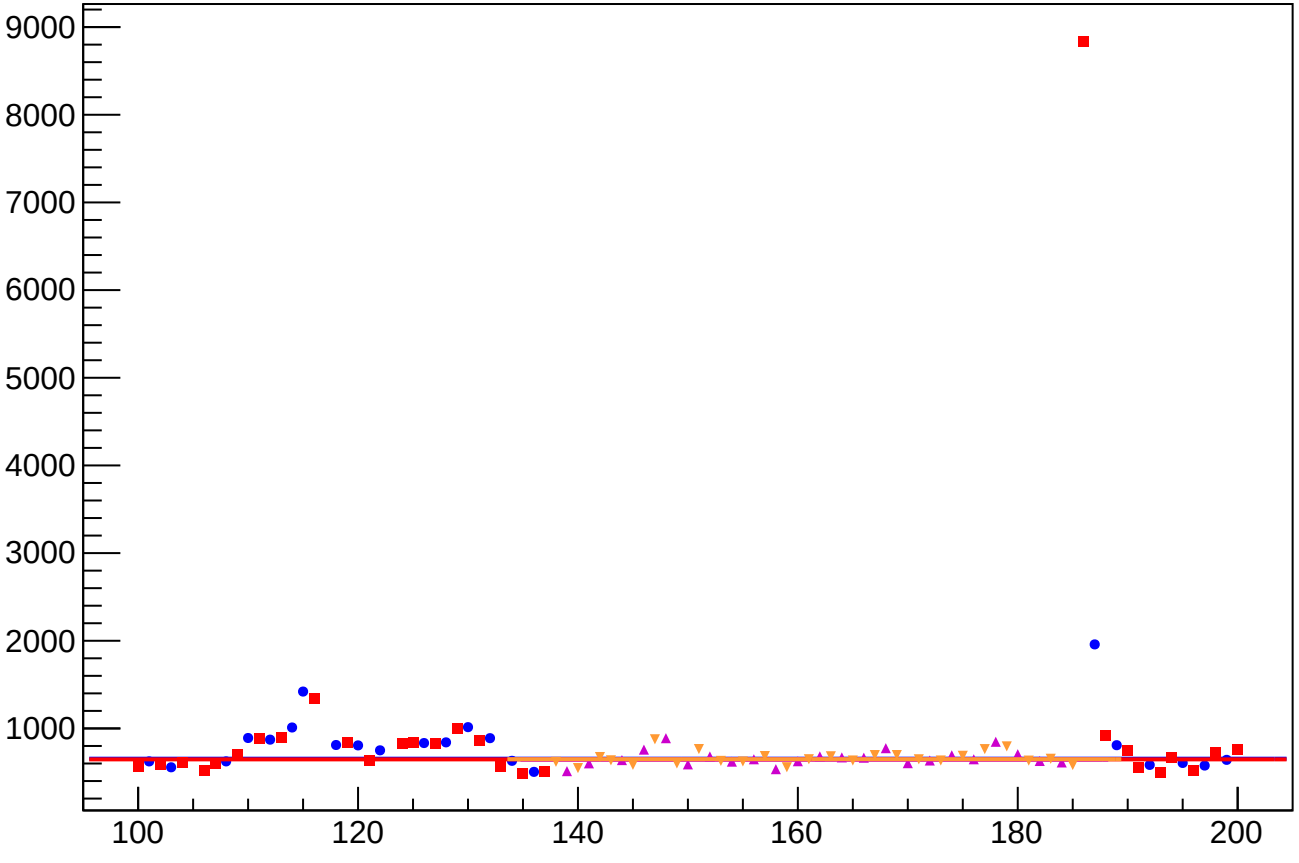
Right: -199.723+/-134.808 χ^2/NDF: 37.5/49

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 18.016+/-115.575 χ^2/NDF:48.0/52

All: -30.969+/-83.500 χ^2/NDF: 94.0/97

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

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

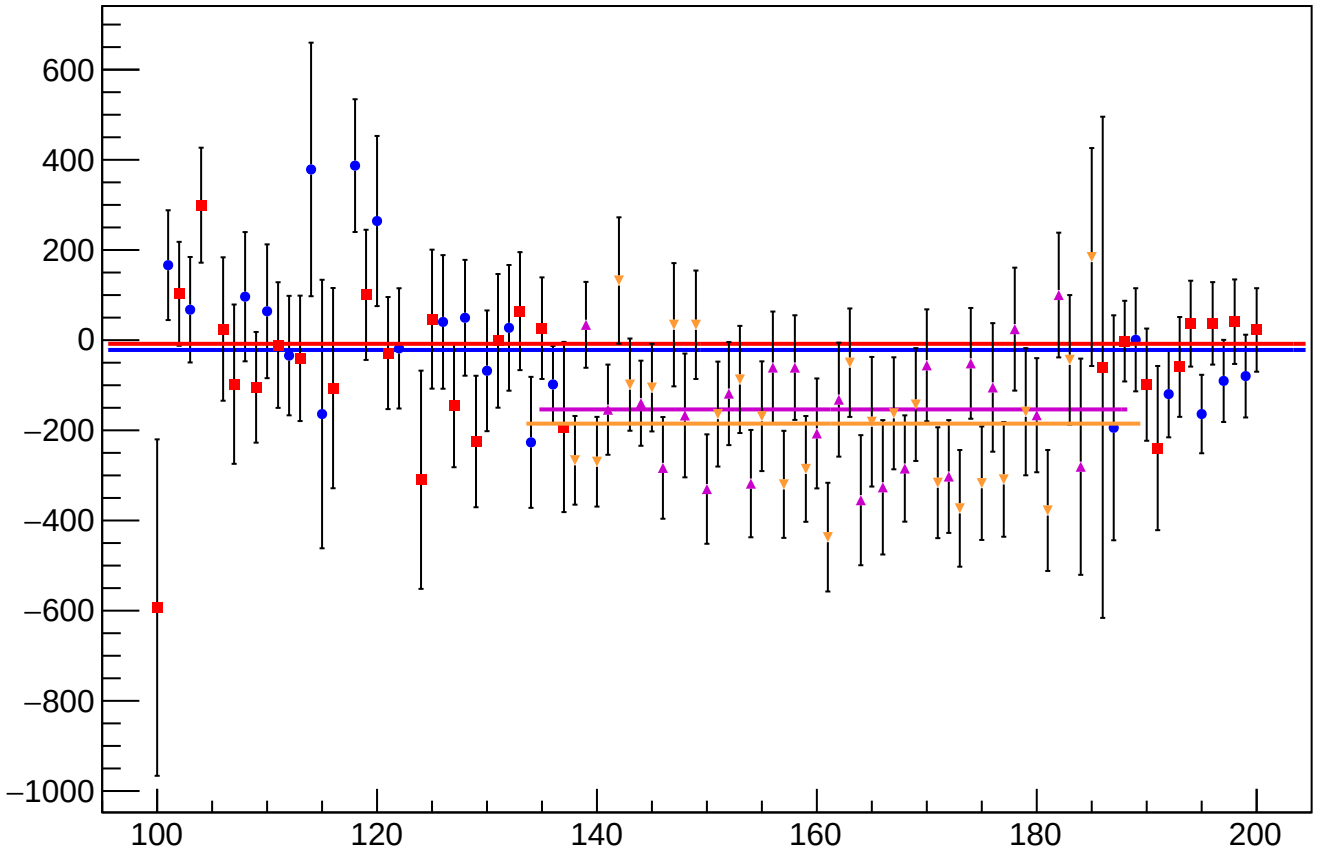
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 650.718+/-0.095 χ^2/NDF: 3011112.2/49

In: 648.087+/-0.085 χ^2/NDF:1612314.2/44

Out: 648.366+/-0.082 χ^2/NDF:2378538.6/52

All: 648.233+/-0.059 χ^2/NDF: 3990858.4/97



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

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

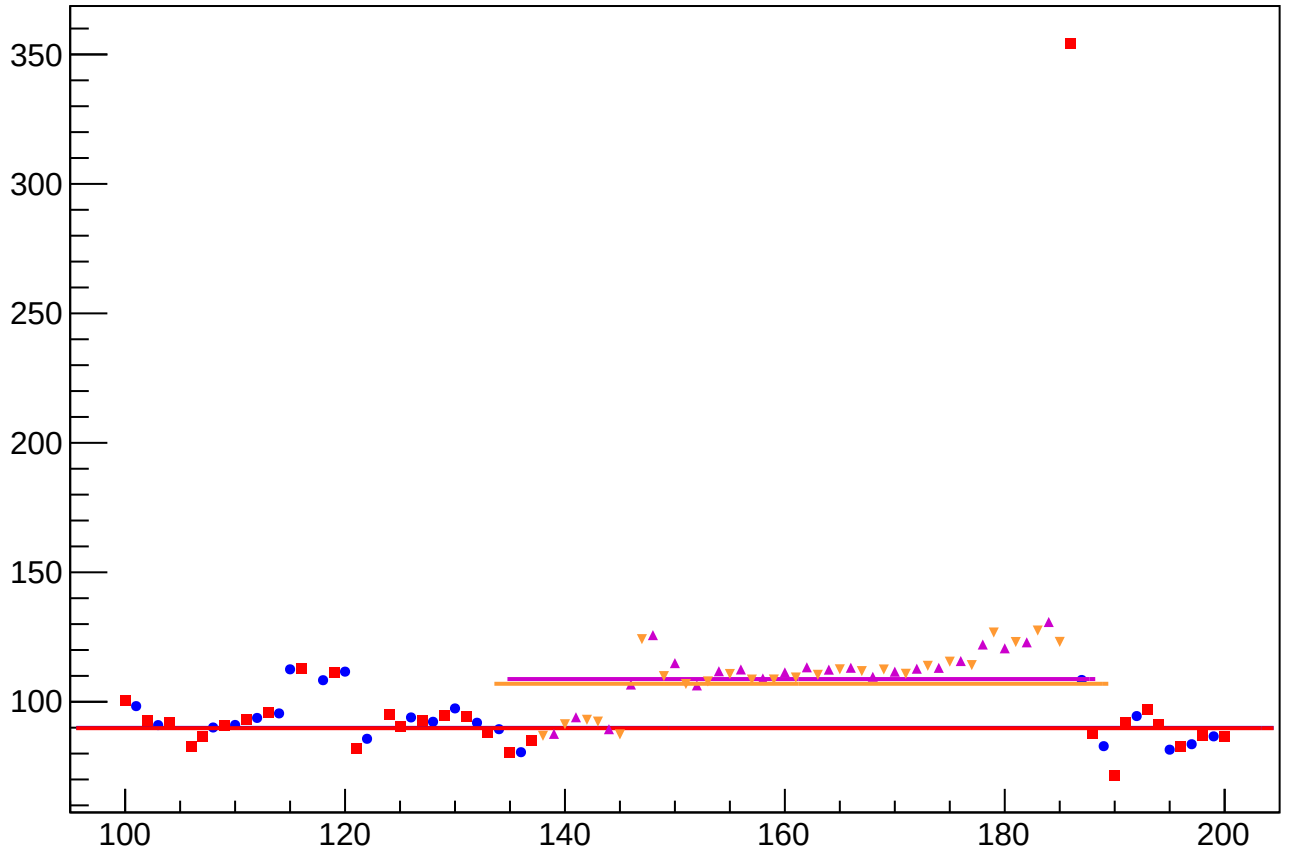
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -14.403+/-18.050 χ^2/NDF: 45.5/49

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -97.141+/-17.341 χ^2/NDF:79.5/52

All: -93.930+/-12.624 χ^2/NDF: 140.9/97



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

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

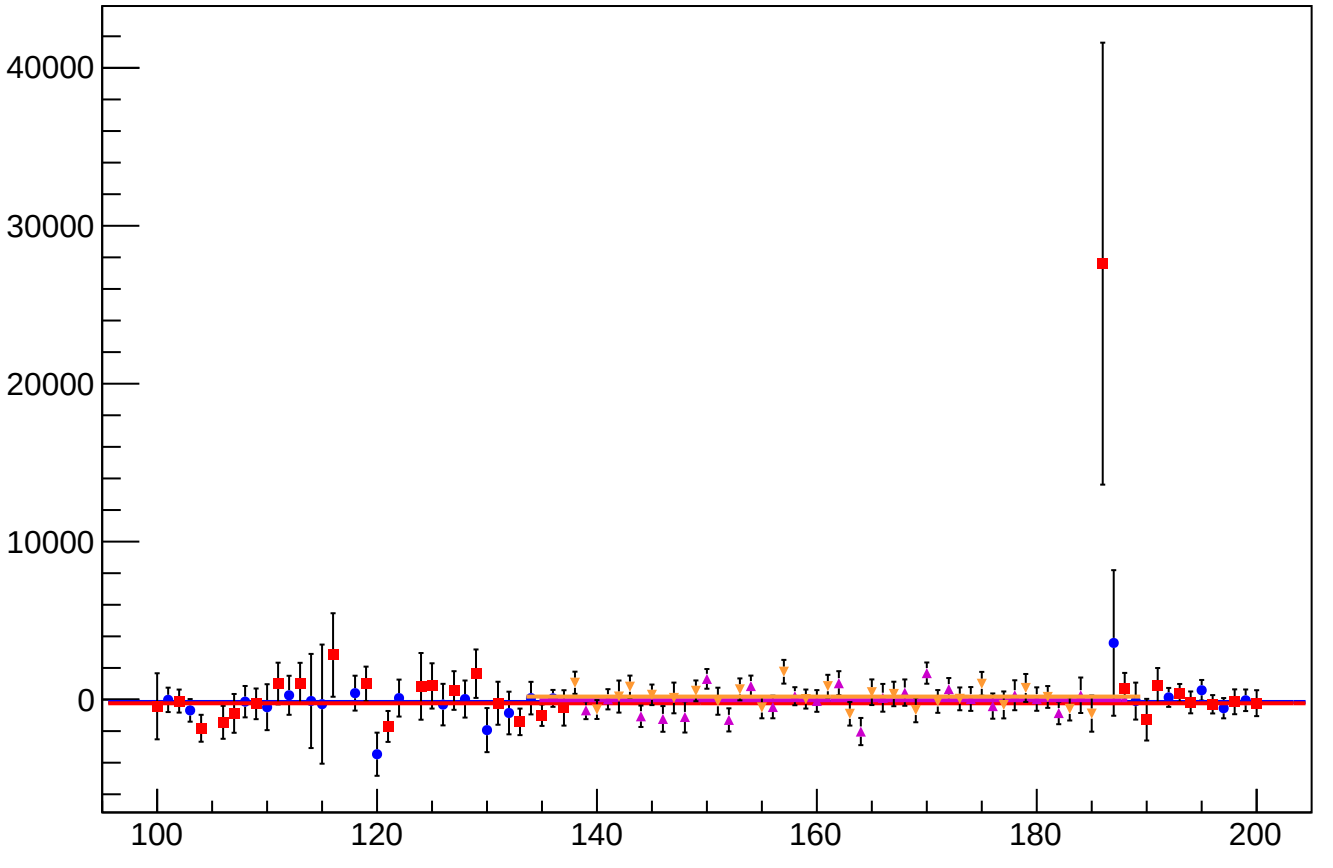
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.859+/-0.013 χ^2/NDF: 802307.7/49

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.429+/-0.012 χ^2/NDF:1584917.4/52

All: 99.039+/-0.009 χ^2/NDF: 2642872.4/97



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

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

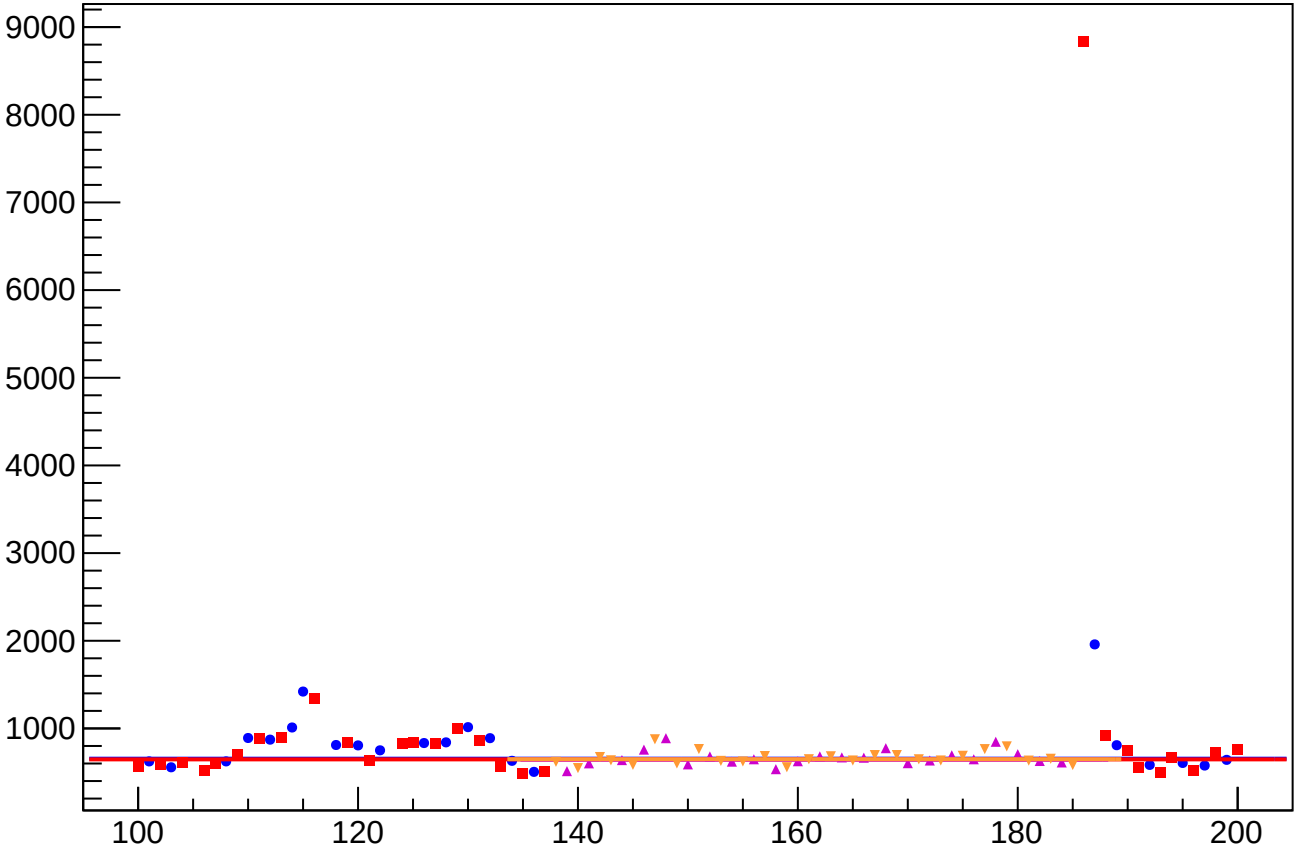
Right: -199.723+/-134.808 χ^2/NDF: 37.5/49

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 18.016+/-115.575 χ^2/NDF:48.0/52

All: -30.969+/-83.500 χ^2/NDF: 94.0/97

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

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

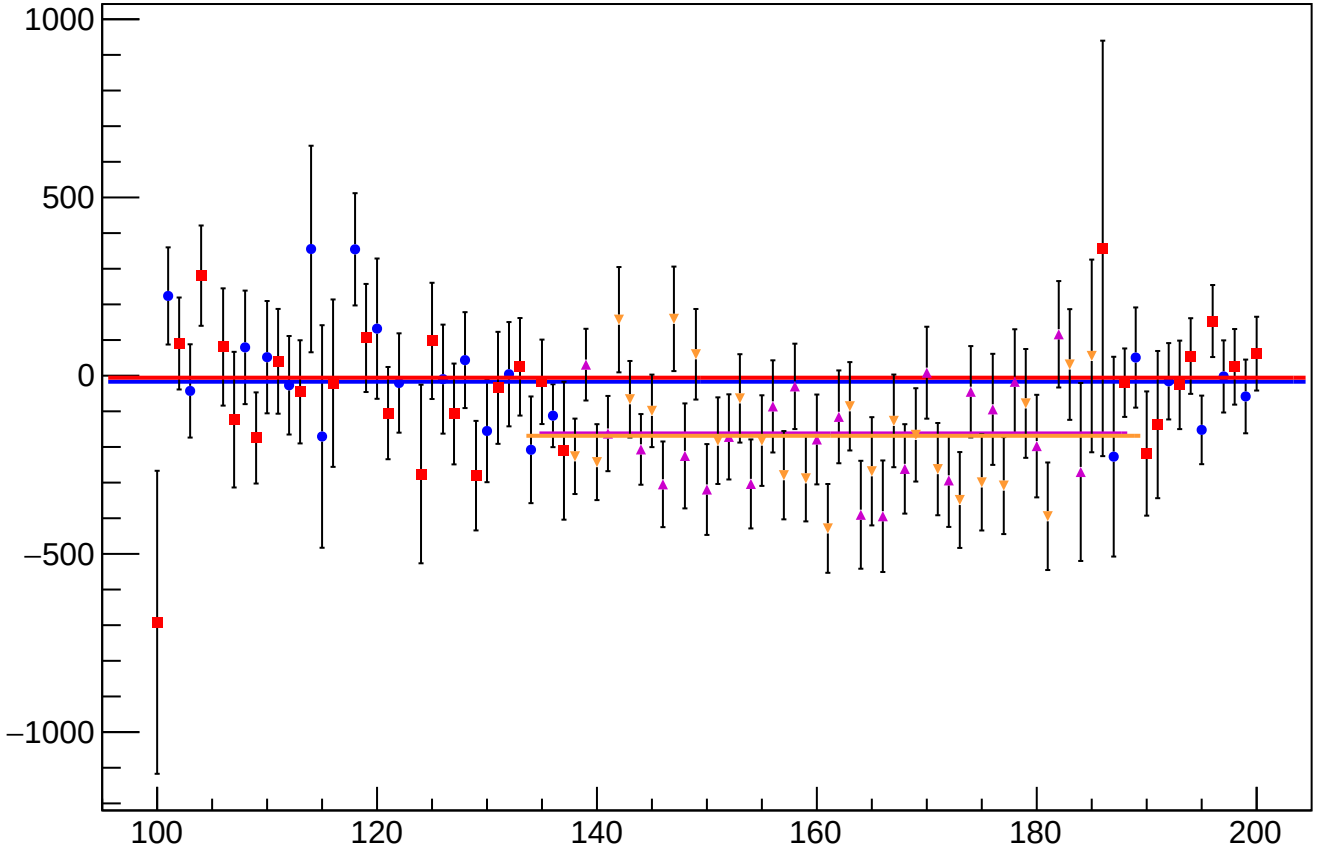
Right: 650.718+/-0.095 χ^2/NDF: 3011112.2/49

In: 648.087+/-0.085 χ^2/NDF:1612314.2/44

Out: 648.366+/-0.082 χ^2/NDF:2378538.6/52

All: 648.233+/-0.059 χ^2/NDF: 3990858.4/97

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

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

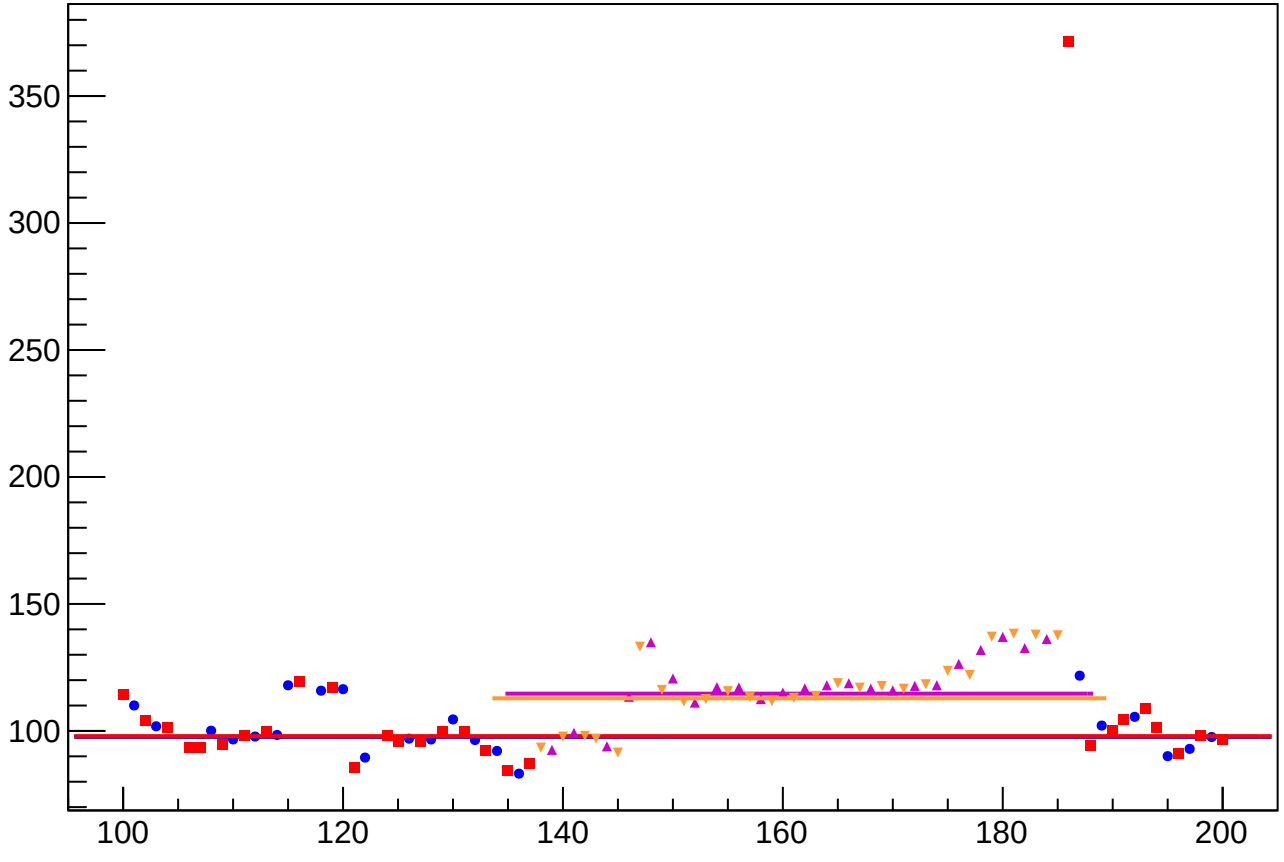
Right: -10.855+/-19.624 χ^2/NDF: 41.9/49

In: -94.466+/-19.699 χ^2/NDF:55.7/44

Out: -90.044+/-18.580 χ^2/NDF:74.7/52

All: -92.126+/-13.516 χ^2/NDF: 130.5/97

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.665+/-0.020 χ^2/NDF: 185115.0/21

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

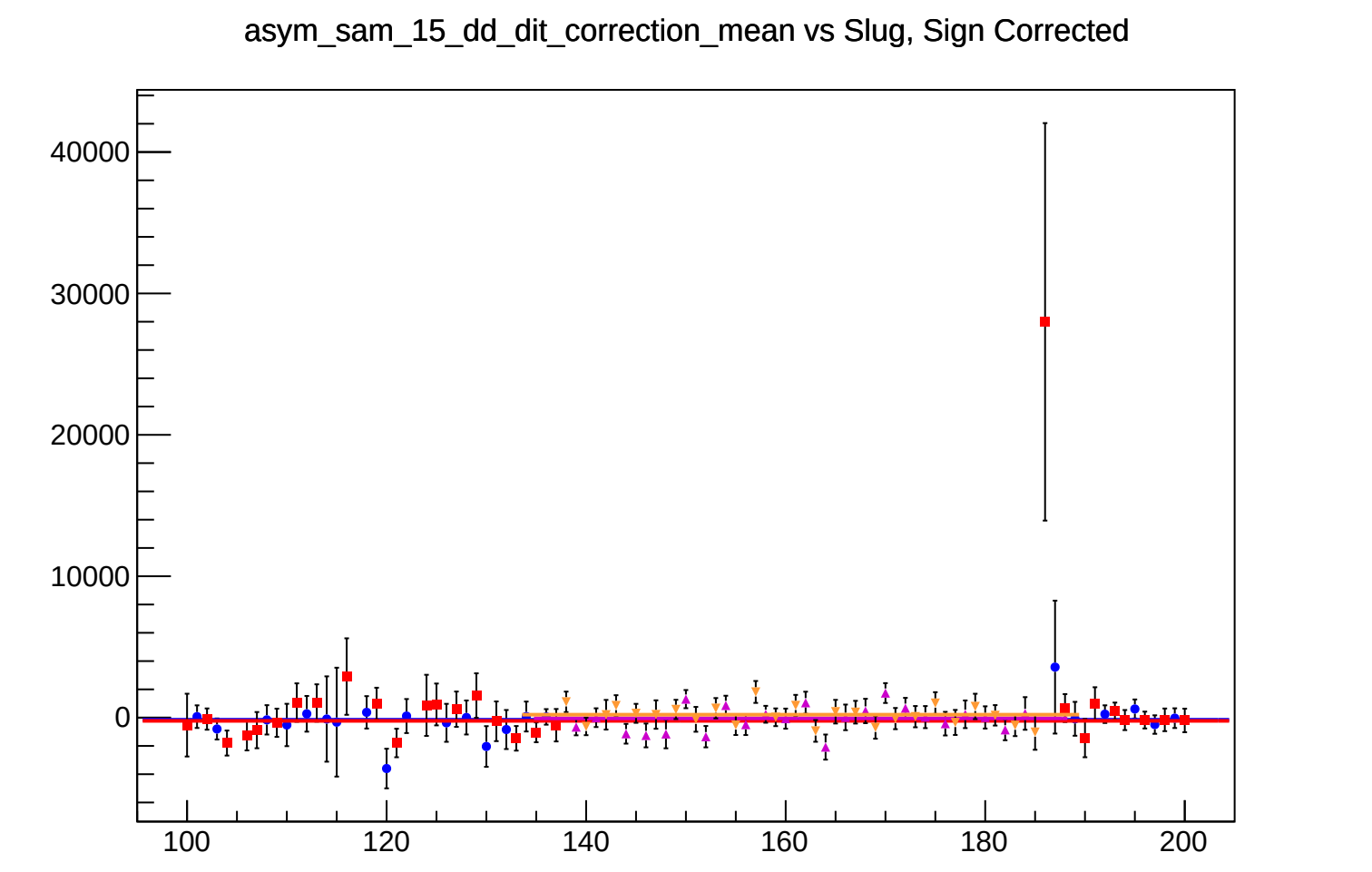
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.817+/-0.014 χ^2/NDF: 774112.3/49

In: 106.756+/-0.014 χ^2/NDF:966205.7/44

Out: 105.665+/-0.013 χ^2/NDF:1422338.1/52

All: 106.178+/-0.010 χ^2/NDF: 2391787.9/97



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

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

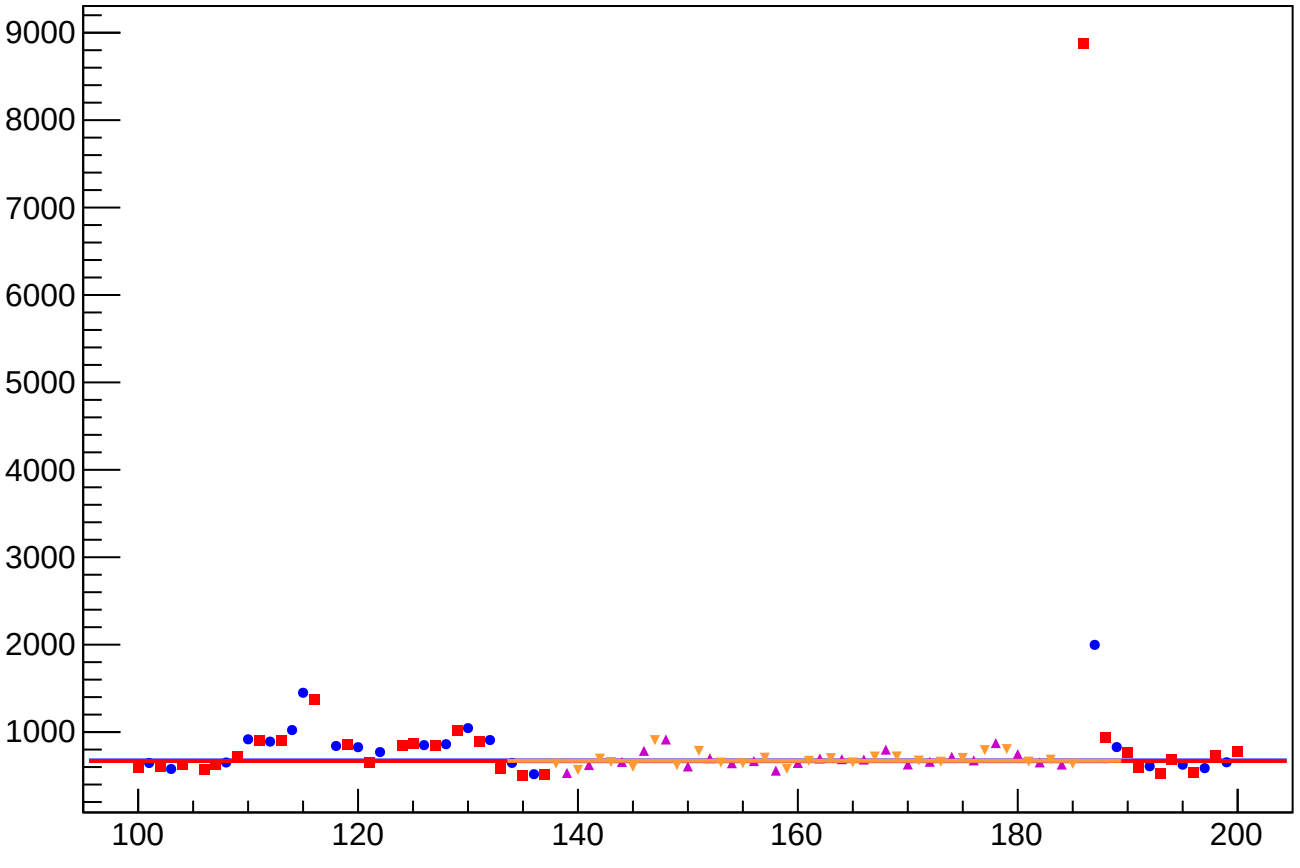
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -191.359+/-138.782 χ^2/NDF: 37.7/49

In: -86.884+/-124.795 χ^2/NDF:45.6/44

Out: 34.939+/-119.323 χ^2/NDF:47.5/52

All: -23.243+/-86.243 χ^2/NDF: 93.6/97



Right In: 674.739+/-0.145 χ^2/NDF: 1032285.6/21

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

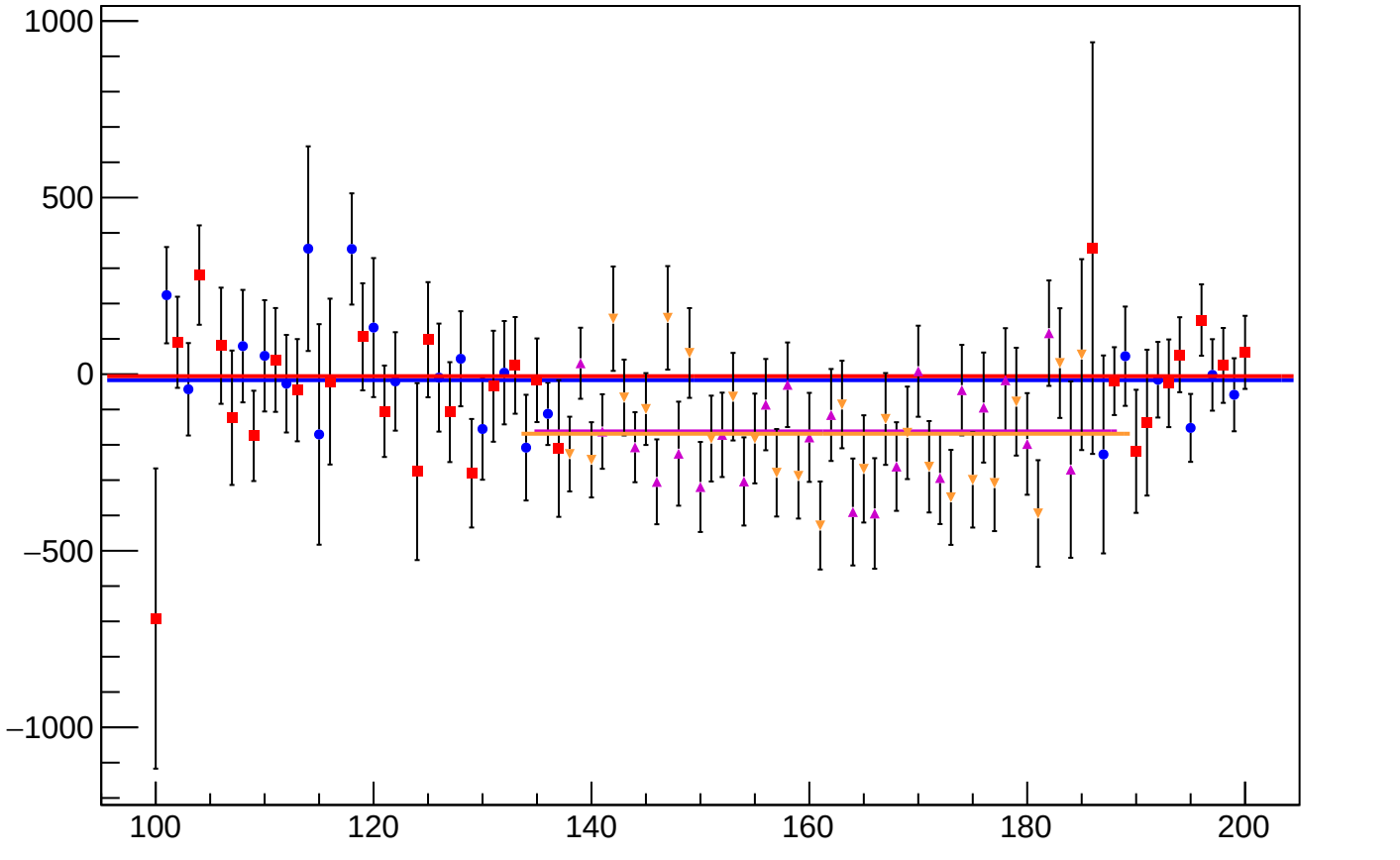
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 671.765+/-0.098 χ^2/NDF: 2912197.3/49

In: 670.094+/-0.088 χ^2/NDF:1580831.0/44

Out: 670.804+/-0.084 χ^2/NDF:2278520.0/52

All: 670.465+/-0.061 χ^2/NDF: 3859384.8/97



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

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

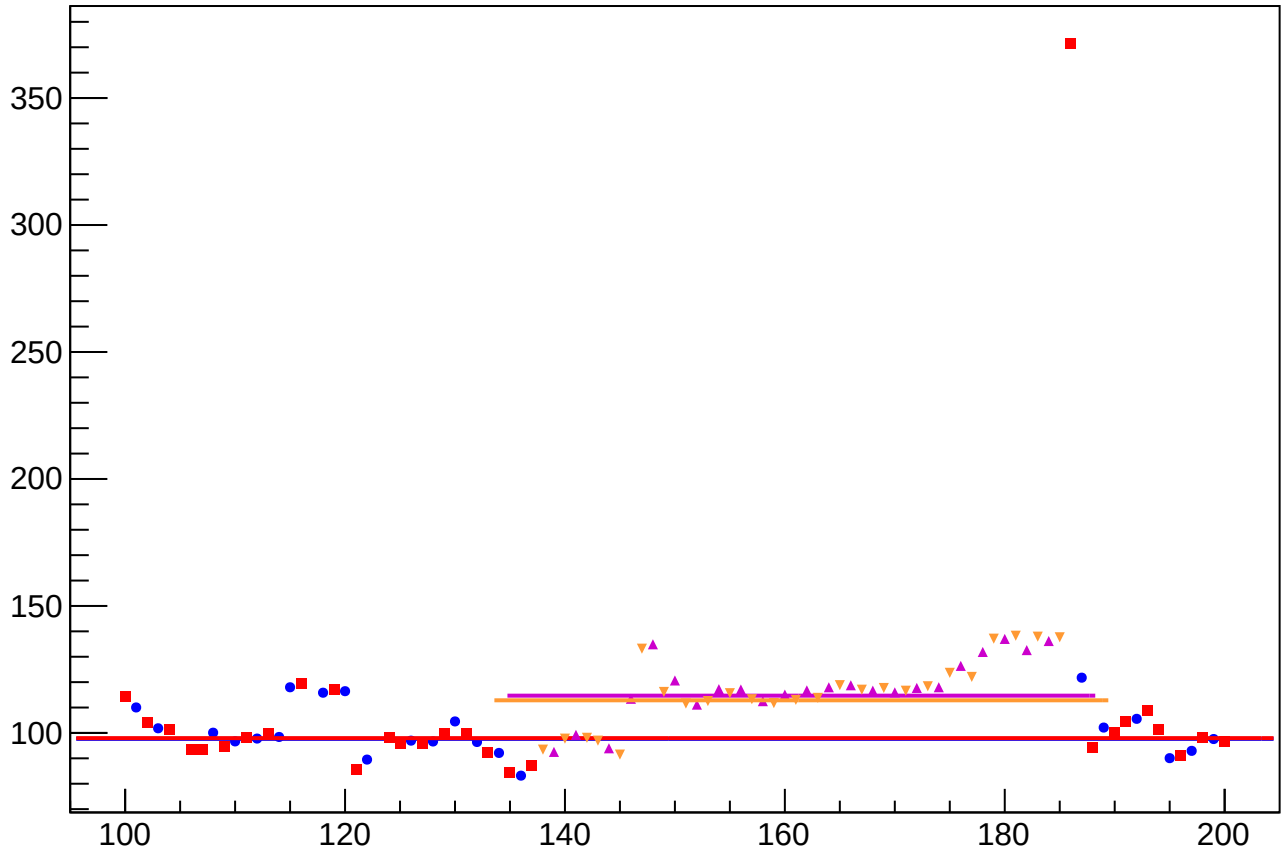
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -10.855+/-19.624 χ^2/NDF: 41.9/49

In: -94.466+/-19.699 χ^2/NDF:55.7/44

Out: -90.044+/-18.580 χ^2/NDF:74.7/52

All: -92.126+/-13.516 χ^2/NDF: 130.5/97



Right In: 97.665+/-0.020 χ^2/NDF: 185118.5/21

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

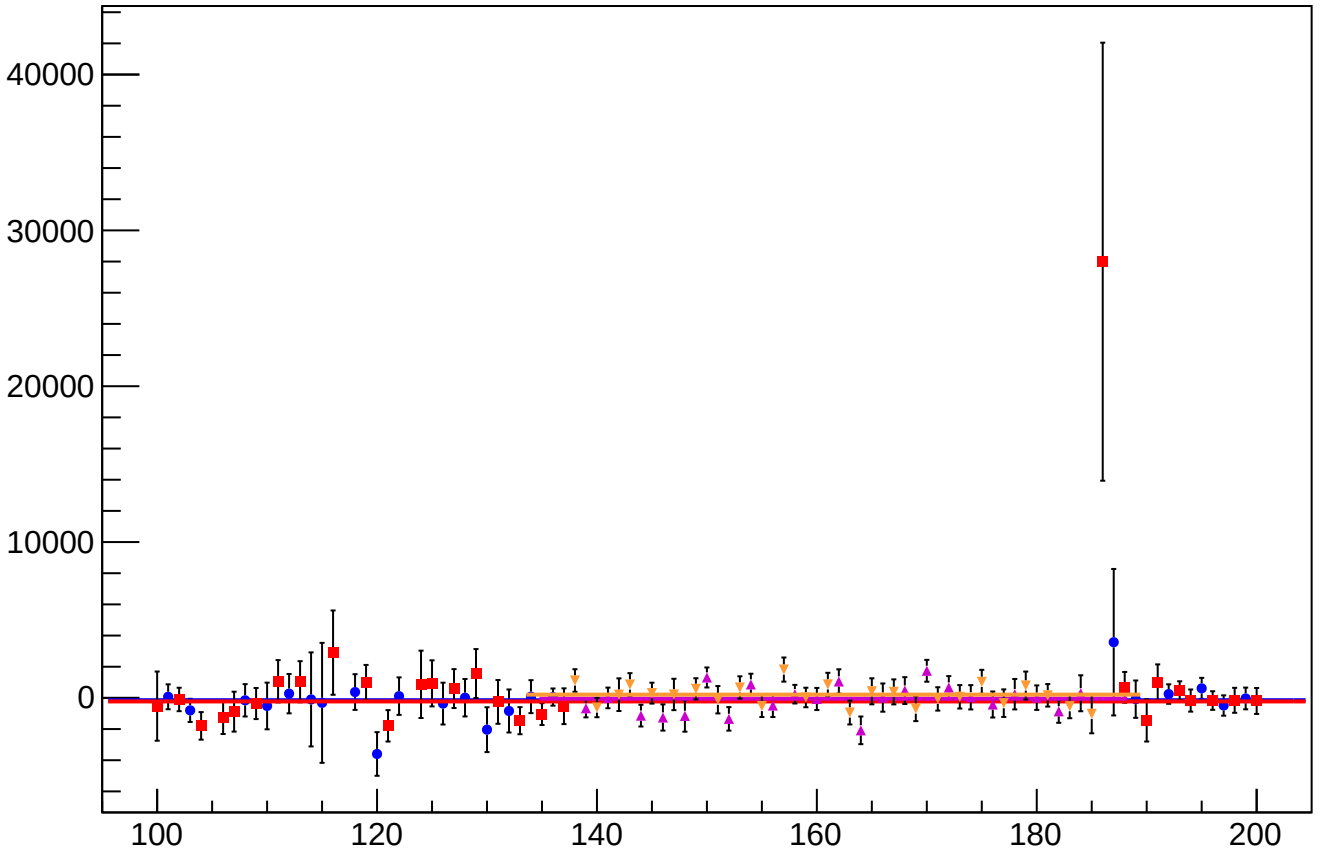
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.817+/-0.014 χ^2/NDF: 774114.4/49

In: 106.756+/-0.014 χ^2/NDF:966217.0/44

Out: 105.665+/-0.013 χ^2/NDF:1422336.9/52

All: 106.178+/-0.010 χ^2/NDF: 2391798.2/97



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

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

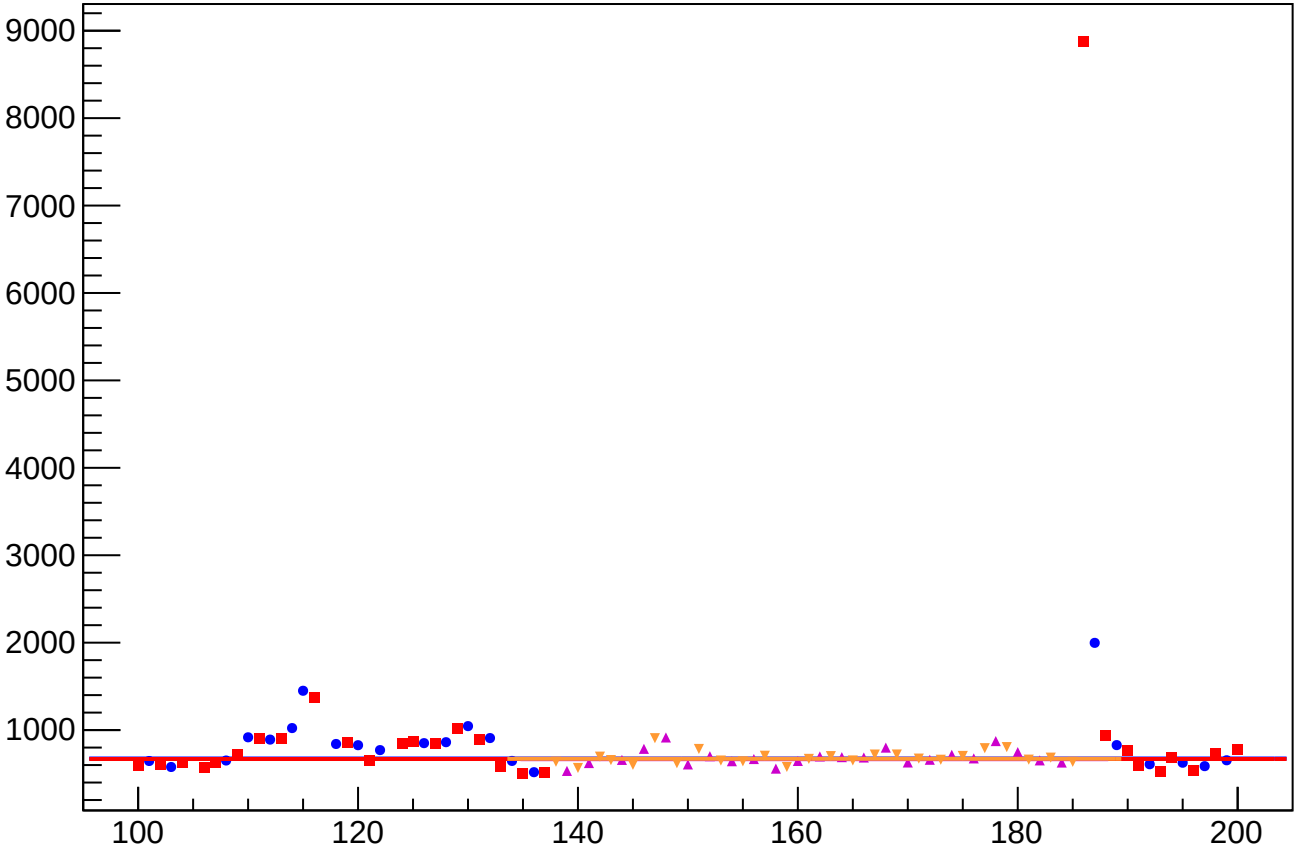
Right: -191.359+/-138.782 χ^2/NDF: 37.7/49

In: -86.885+/-124.795 χ^2/NDF:45.6/44

Out: 34.939+/-119.323 χ^2/NDF:47.5/52

All: -23.244+/-86.243 χ^2/NDF: 93.6/97

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.738+/-0.145 χ^2/NDF: 1032287.5/21

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

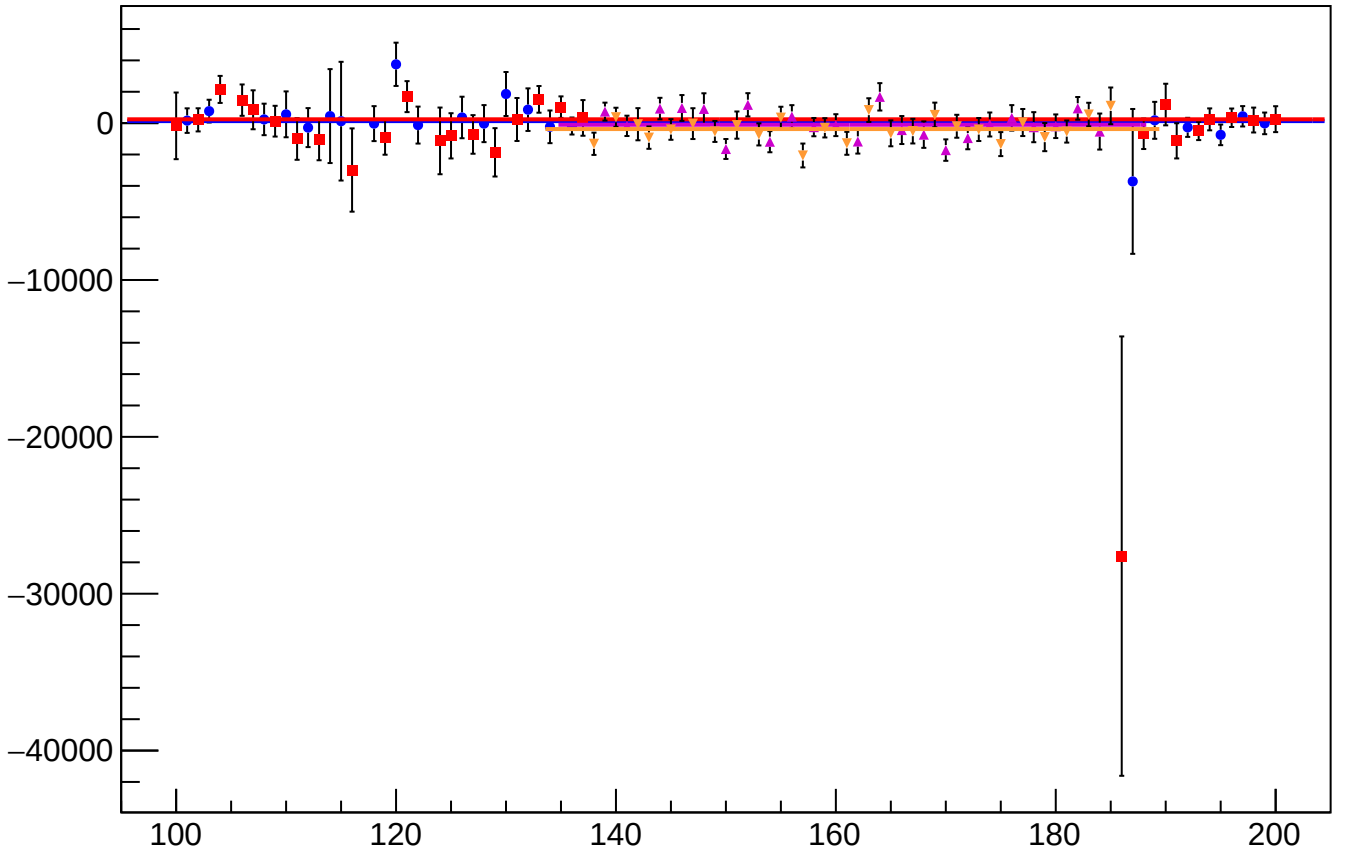
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 671.764+/-0.098 χ^2/NDF: 2912204.7/49

In: 670.094+/-0.088 χ^2/NDF:1580834.5/44

Out: 670.804+/-0.084 χ^2/NDF:2278526.1/52

All: 670.465+/-0.061 χ^2/NDF: 3859394.4/97



Right In: 128.885+/-200.827 χ^2/NDF: 13.4/21

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

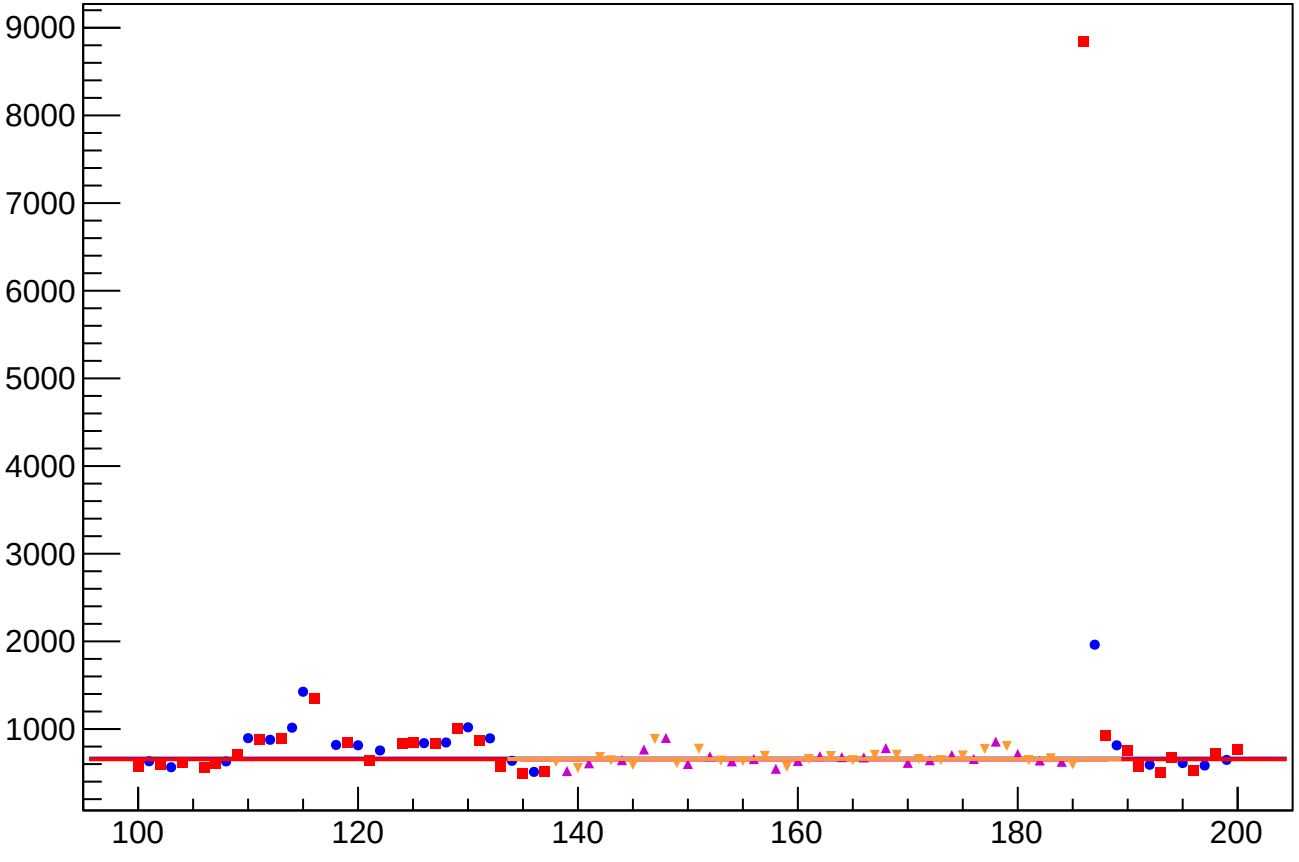
Right: 191.271+/-136.128 χ^2/NDF: 42.3/49

In: -17.102+/-122.373 χ^2/NDF:49.8/44

Out: -129.061+/-116.997 χ^2/NDF:56.9/52

All: -75.595+/-84.566 χ^2/NDF: 107.1/97

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 662.248+/-0.142 χ^2/NDF: 1026378.6/21

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

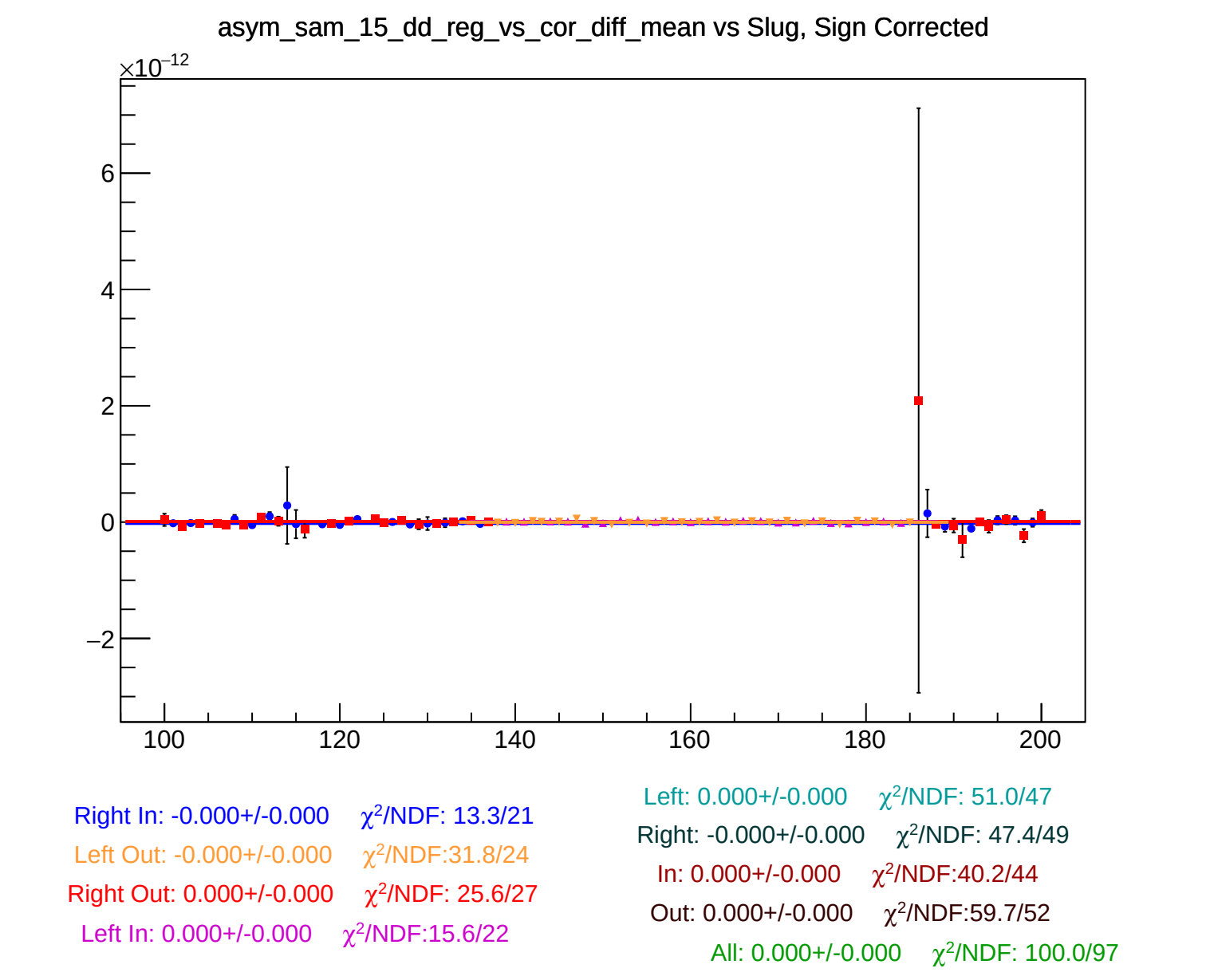
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 658.586+/-0.096 χ^2/NDF: 2938688.5/49

In: 657.031+/-0.087 χ^2/NDF:1570603.6/44

Out: 657.395+/-0.083 χ^2/NDF:2321122.4/52

All: 657.221+/-0.060 χ^2/NDF: 3891735.2/97


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−2
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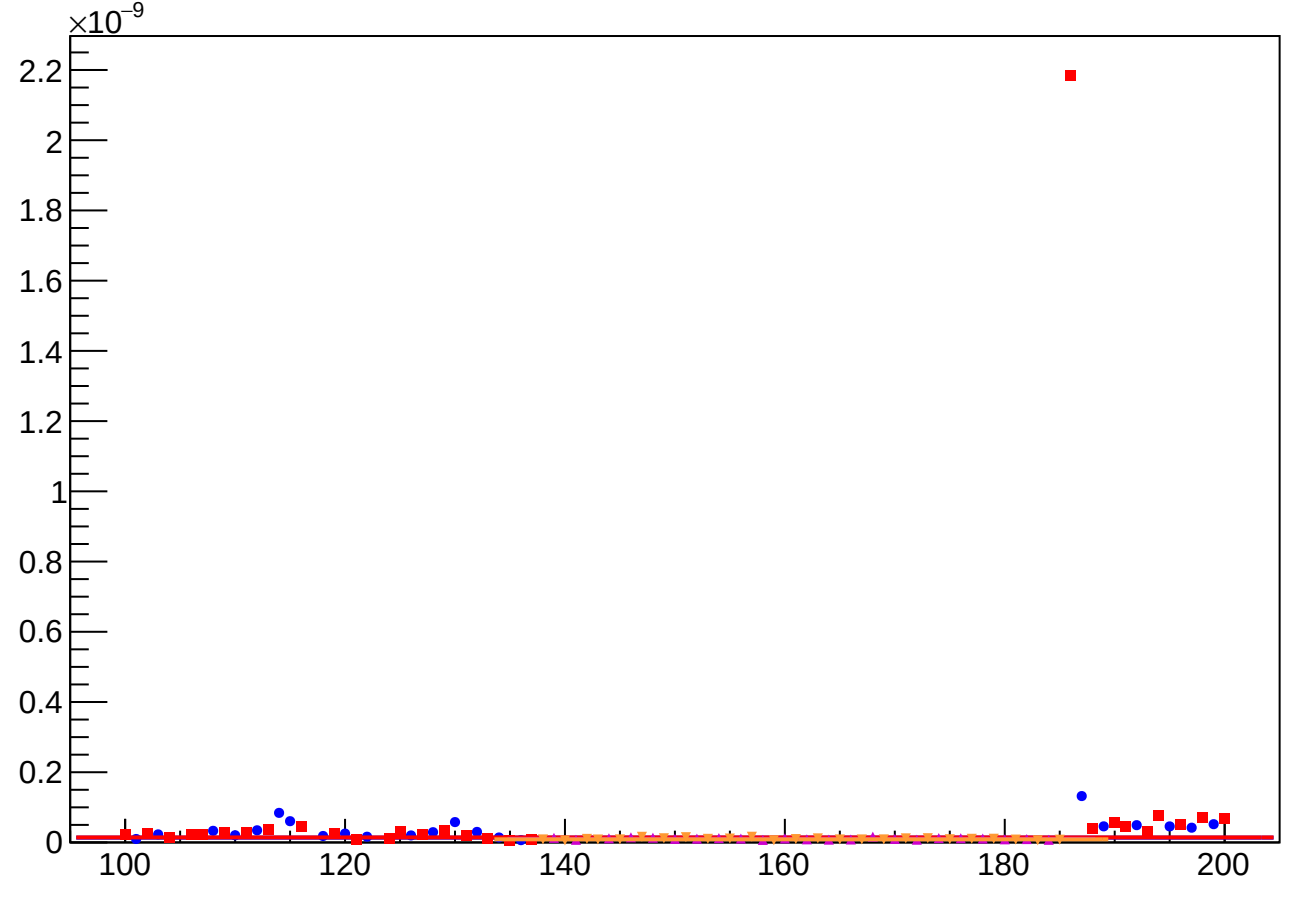
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.3/21
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.6/27
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 47.4/49
In: 0.000+/-0.000 χ²/NDF:40.2/44
Out: 0.000+/-0.000 χ²/NDF:59.7/52
All: 0.000+/-0.000 χ²/NDF: 100.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4520522.6/21

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

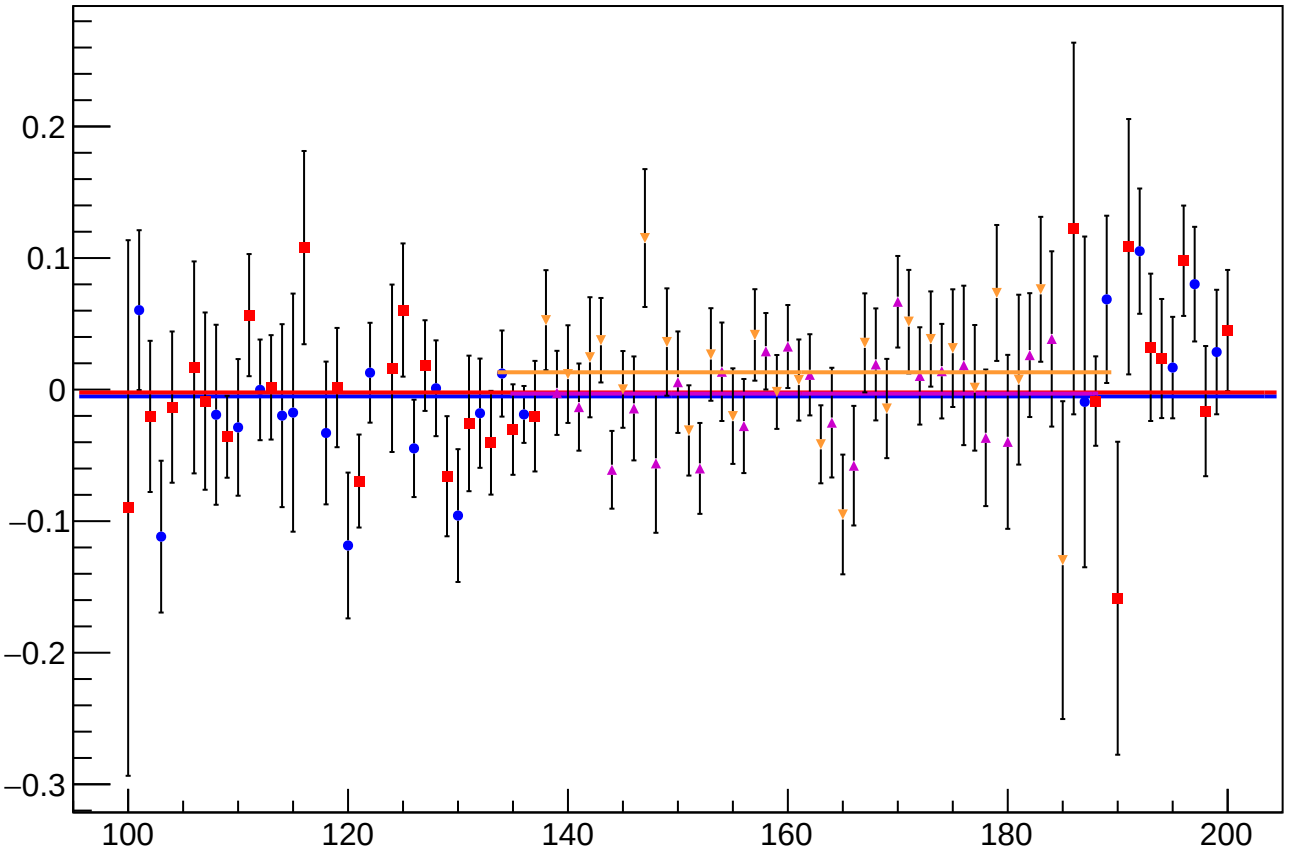
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10379895.1/49

In: 0.000+/-0.000 χ^2/NDF:5510898.5/44

Out: 0.000+/-0.000 χ^2/NDF:7724819.1/52

All: 0.000+/-0.000 χ^2/NDF: 13334755.4/97



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

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

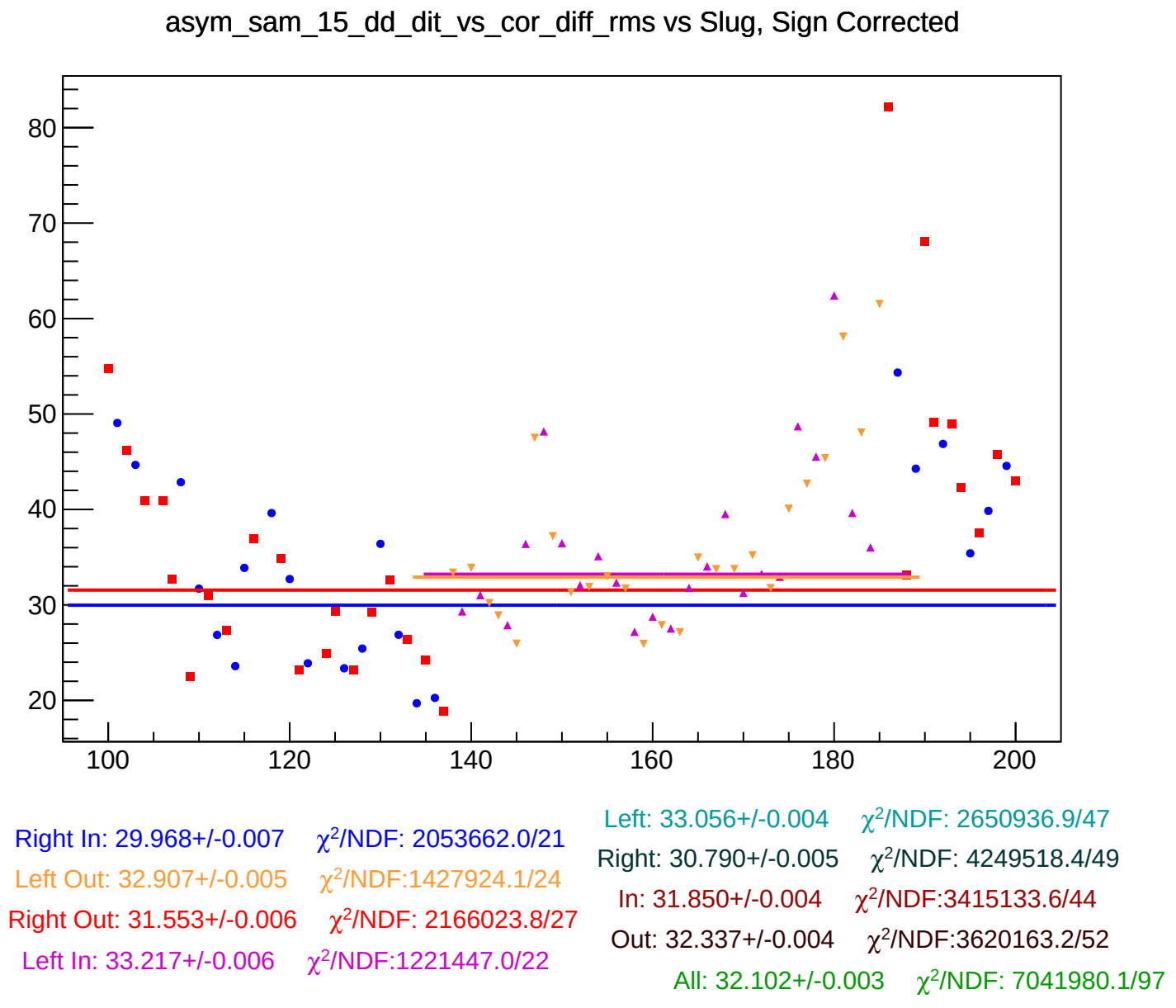
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.004+/-0.006 χ^2/NDF: 52.5/49

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 100.3/97


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
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100
120
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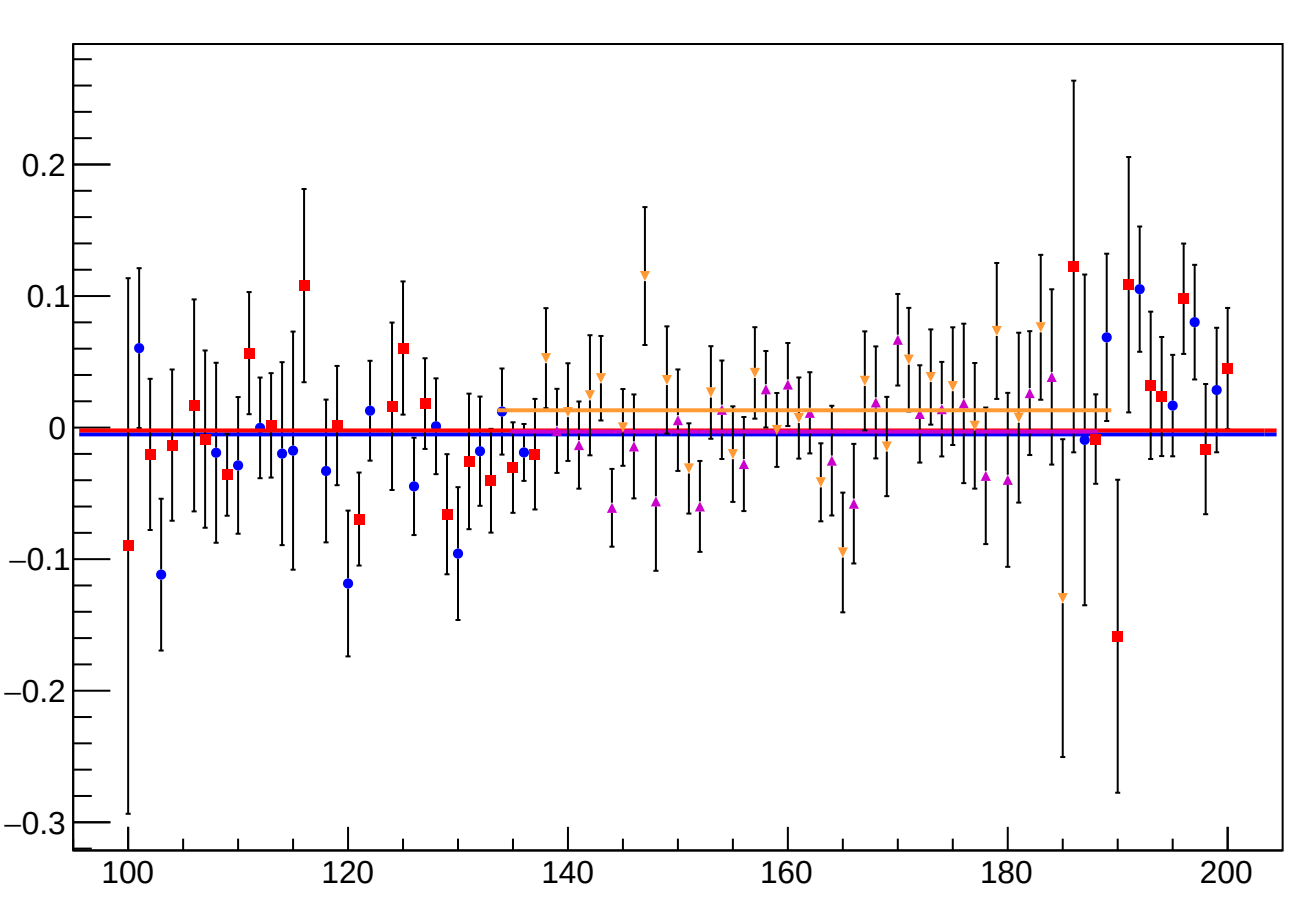
160
180
200
Right In: 29.968+/-0.007 χ²/NDF: 2053662.0/21
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 31.553+/-0.006 χ²/NDF: 2166023.8/27
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
Left: 33.056+/-0.004 χ²/NDF: 2650936.9/47
Right: 30.790+/-0.005 χ²/NDF: 4249518.4/49
In: 31.850+/-0.004 χ²/NDF:3415133.6/44
Out: 32.337+/-0.004 χ²/NDF:3620163.2/52
All: 32.102+/-0.003 χ²/NDF: 7041980.1/97



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

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

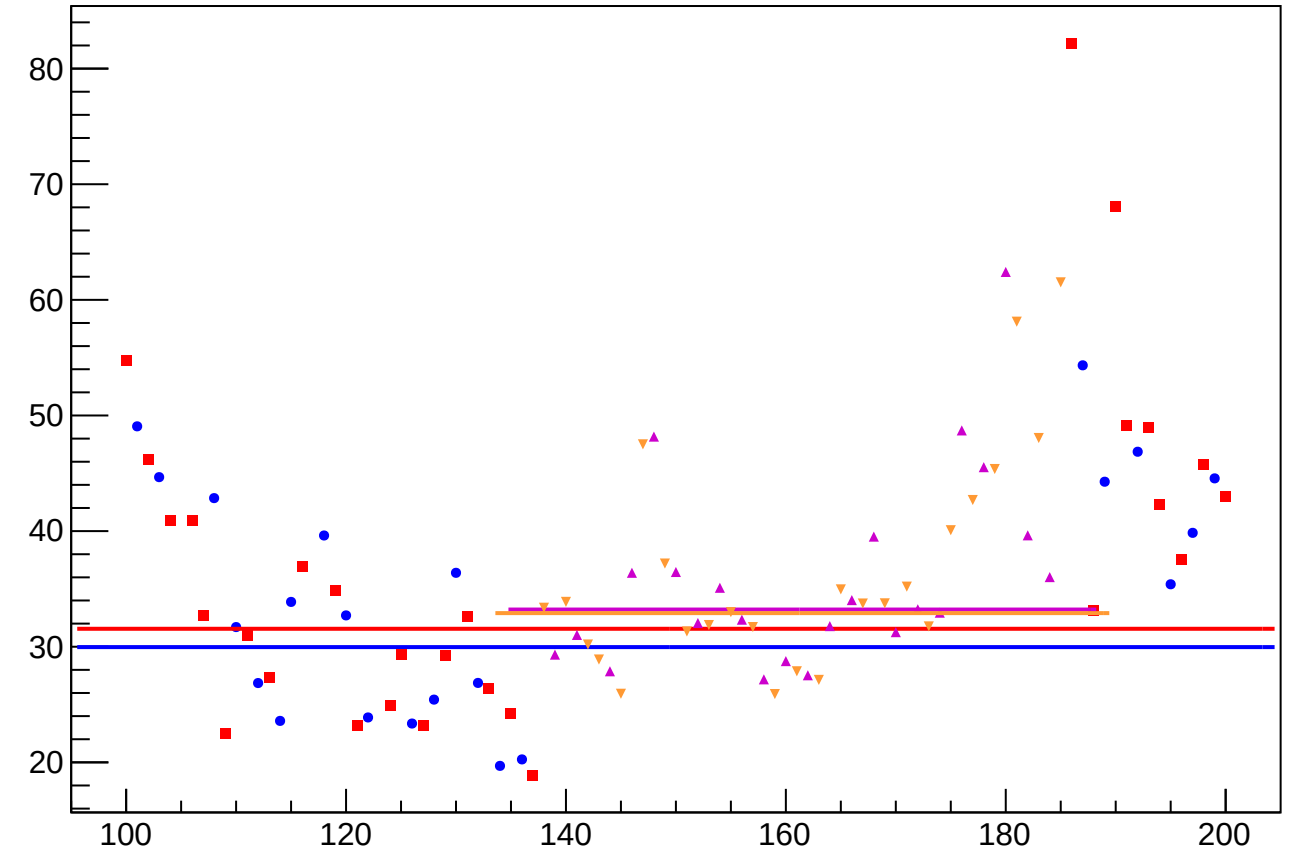
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.004+/-0.006 χ^2/NDF: 52.5/49

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 100.3/97



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

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

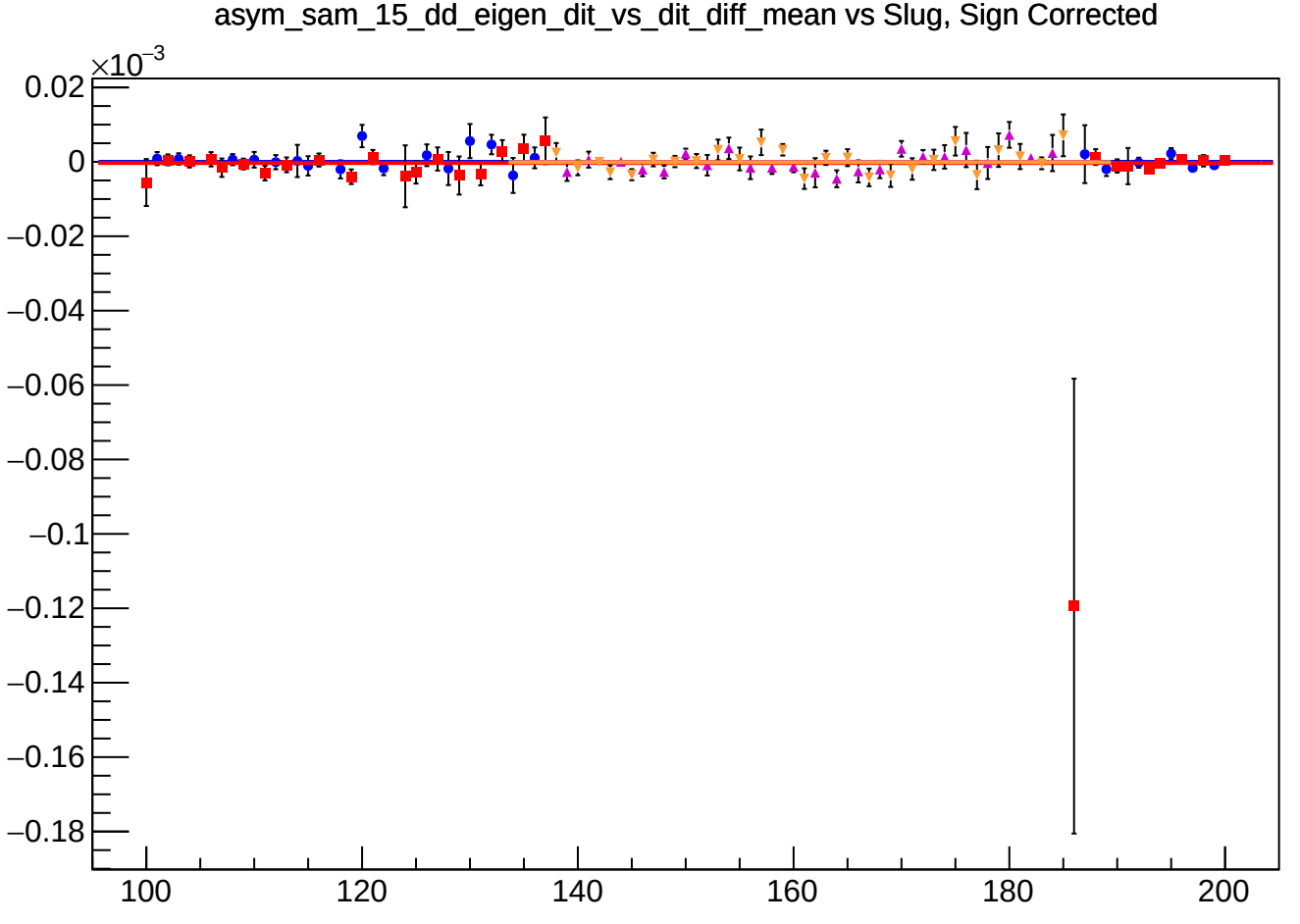
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.790+/-0.005 χ^2/NDF: 4249518.4/49

In: 31.850+/-0.004 χ^2/NDF:3415133.6/44

Out: 32.337+/-0.004 χ^2/NDF:3620163.2/52

All: 32.102+/-0.003 χ^2/NDF: 7041980.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/21

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

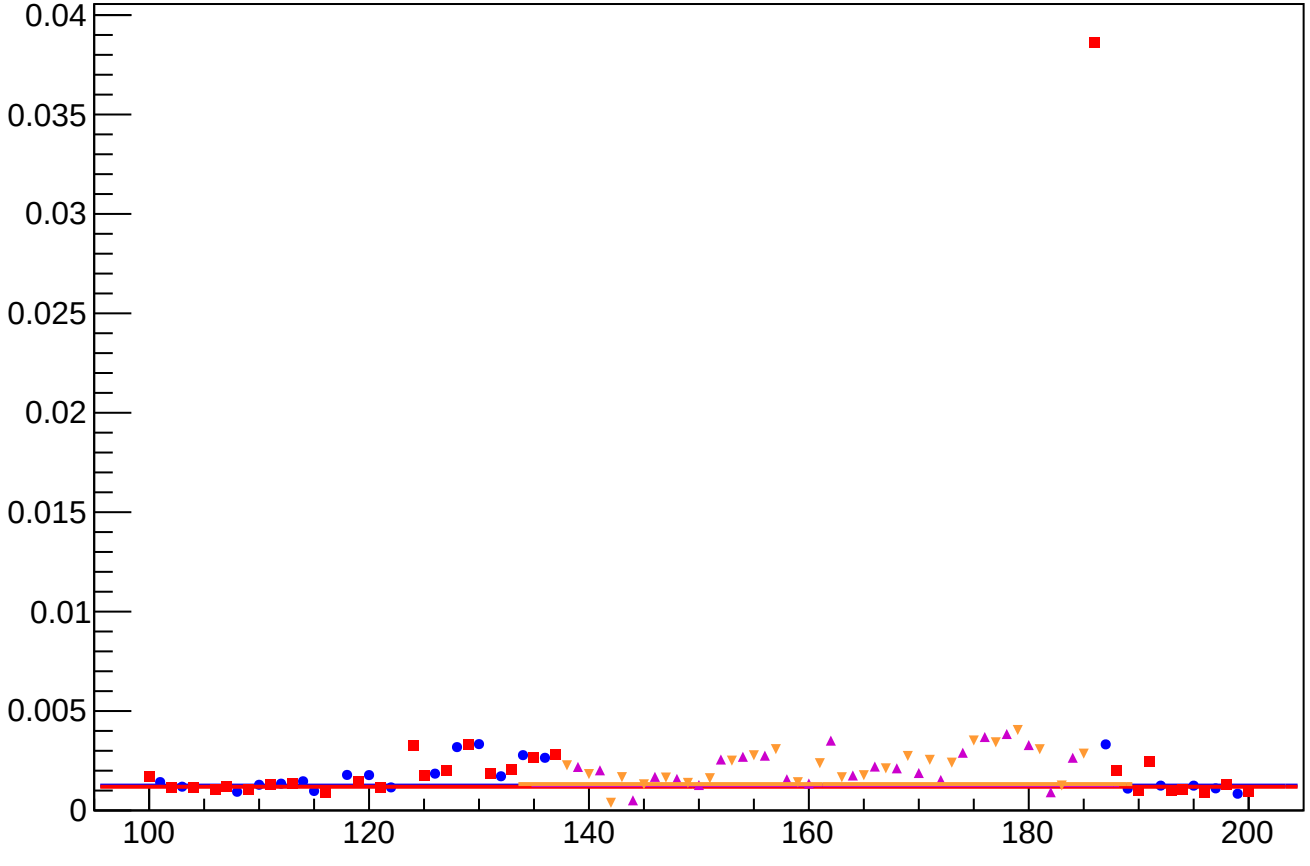
Right: -0.000+/-0.000 χ^2/NDF: 41.4/49

In: -0.000+/-0.000 χ^2/NDF:47.0/44

Out: -0.000+/-0.000 χ^2/NDF:52.3/52

All: -0.000+/-0.000 χ^2/NDF: 99.5/97

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2555253.2/21

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

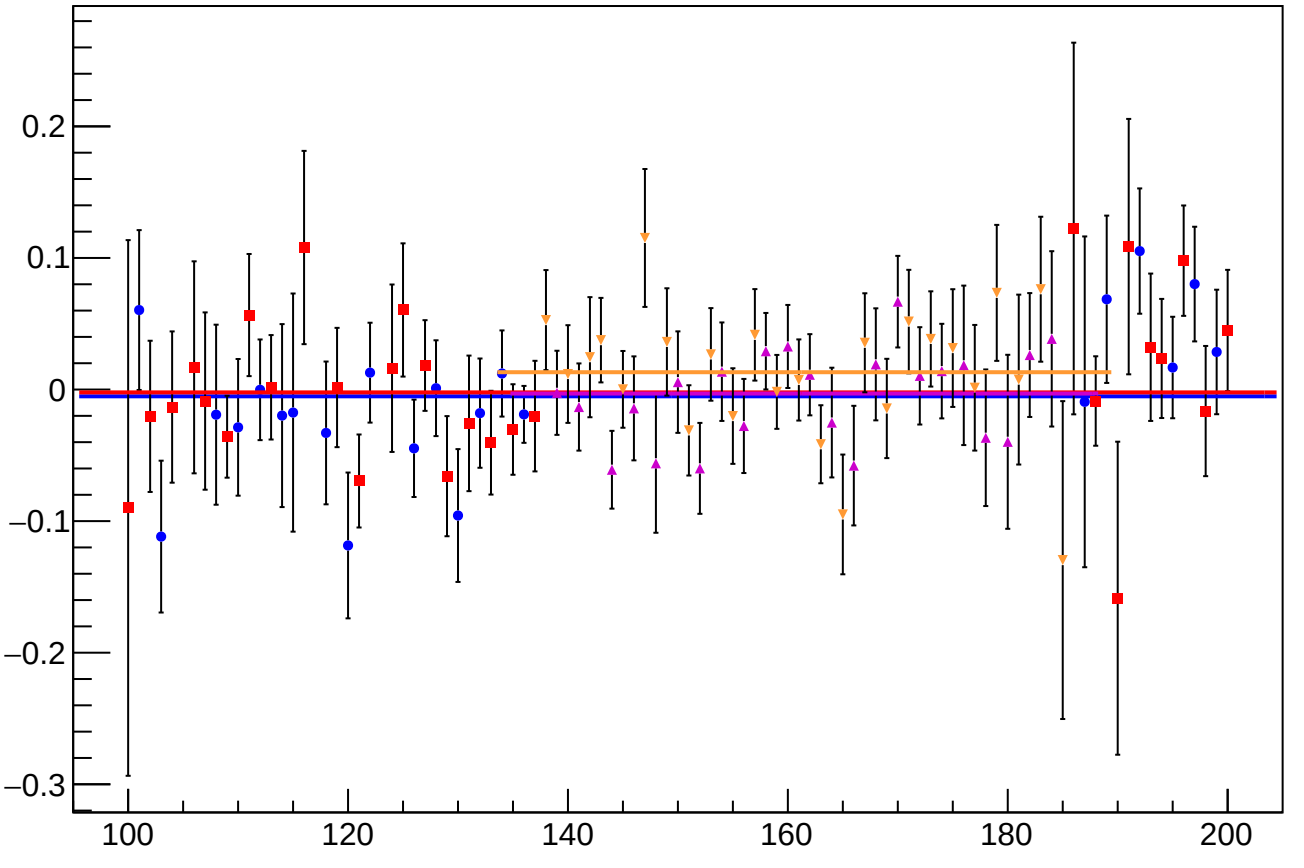
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 5707772.1/49

In: 0.001+/-0.000 χ^2/NDF:12437789.2/44

Out: 0.001+/-0.000 χ^2/NDF:14428530.5/52

All: 0.001+/-0.000 χ^2/NDF: 26867006.8/97



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

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

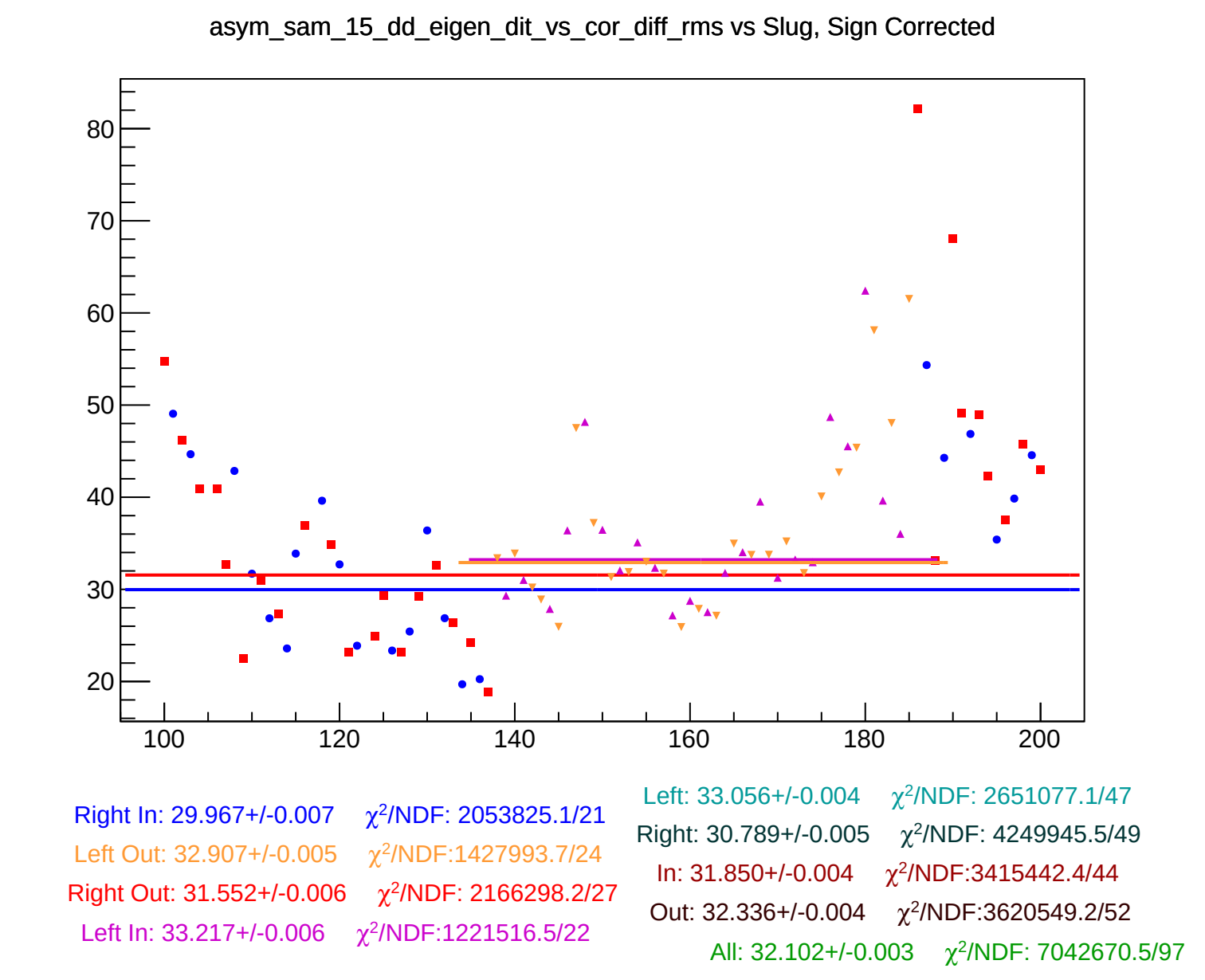
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.004+/-0.006 χ^2/NDF: 52.5/49

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 100.3/97


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
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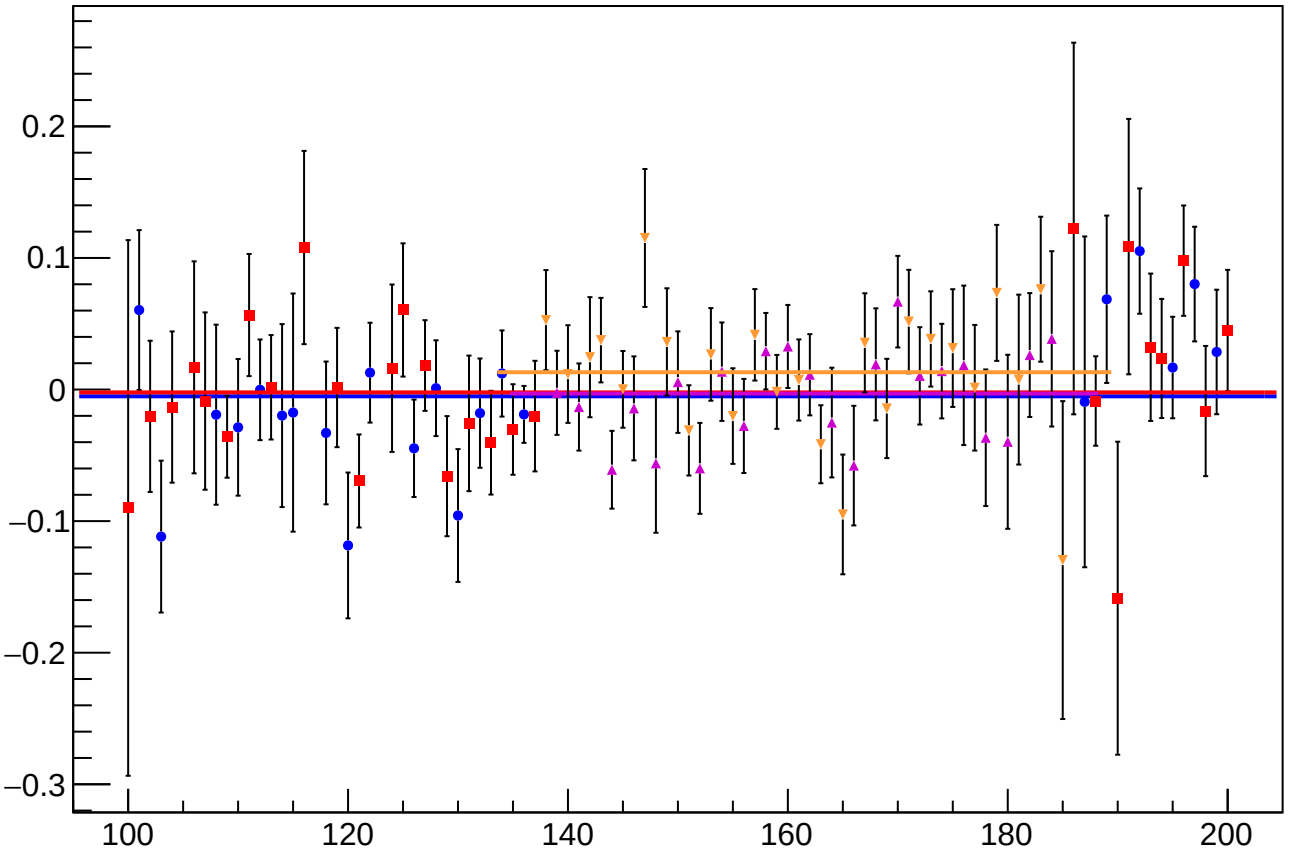
100
120
140
160
180
200
Right In: 29.967+/-0.007 χ²/NDF: 2053825.1/21
Left Out: 32.907+/-0.005 χ²/NDF:1427993.7/24
Right Out: 31.552+/-0.006 χ²/NDF: 2166298.2/27
Left In: 33.217+/-0.006 χ²/NDF:1221516.5/22
Left: 33.056+/-0.004 χ²/NDF: 2651077.1/47
Right: 30.789+/-0.005 χ²/NDF: 4249945.5/49
In: 31.850+/-0.004 χ²/NDF:3415442.4/44
Out: 32.336+/-0.004 χ²/NDF:3620549.2/52
All: 32.102+/-0.003 χ²/NDF: 7042670.5/97



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

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

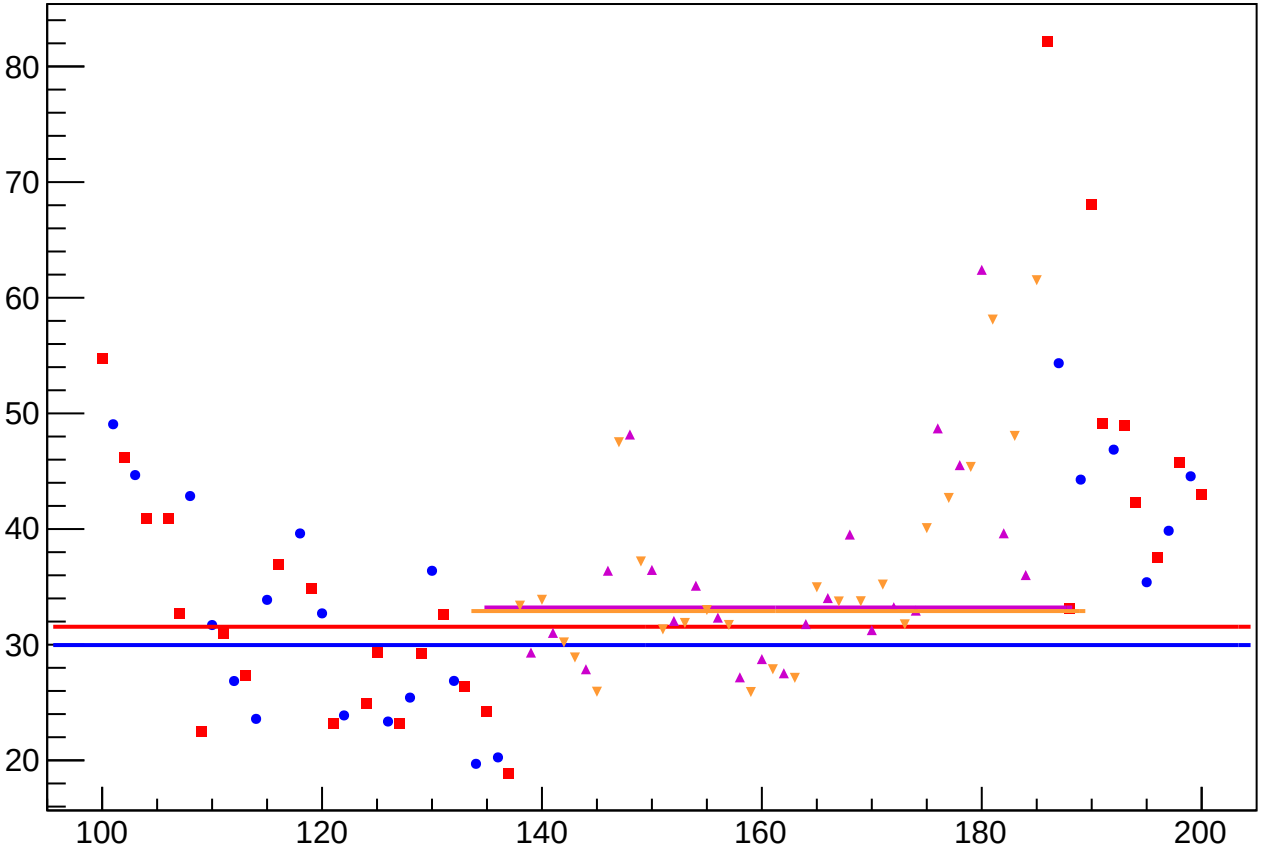
Right: -0.004+/-0.006 χ^2/NDF: 52.5/49

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.007+/-0.006 χ^2/NDF:53.4/52

All: 0.002+/-0.004 χ^2/NDF: 100.3/97

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

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

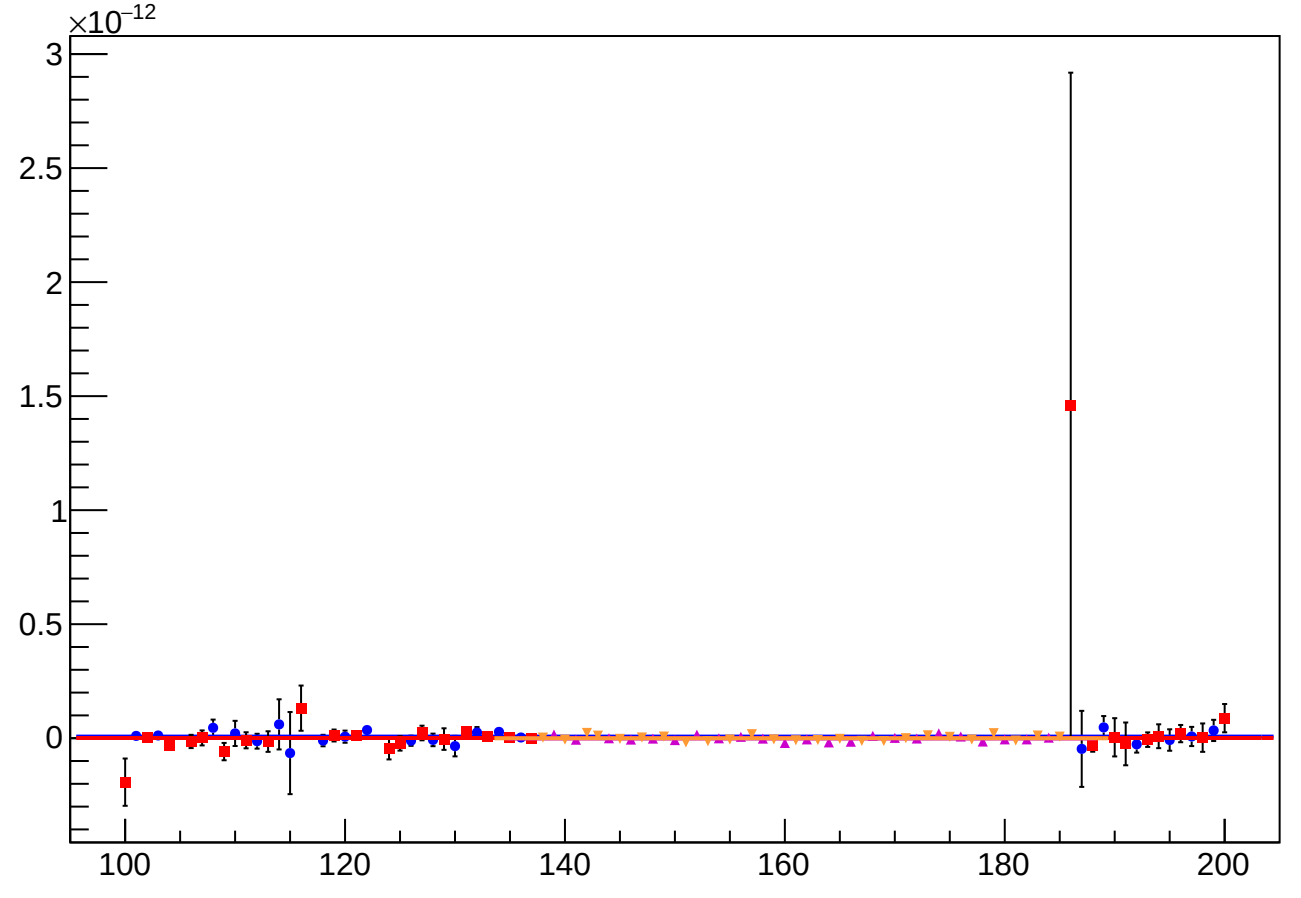
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.789+/-0.005 χ^2/NDF: 4249945.5/49

In: 31.850+/-0.004 χ^2/NDF:3415442.4/44

Out: 32.336+/-0.004 χ^2/NDF:3620549.2/52

All: 32.102+/-0.003 χ^2/NDF: 7042670.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/21

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

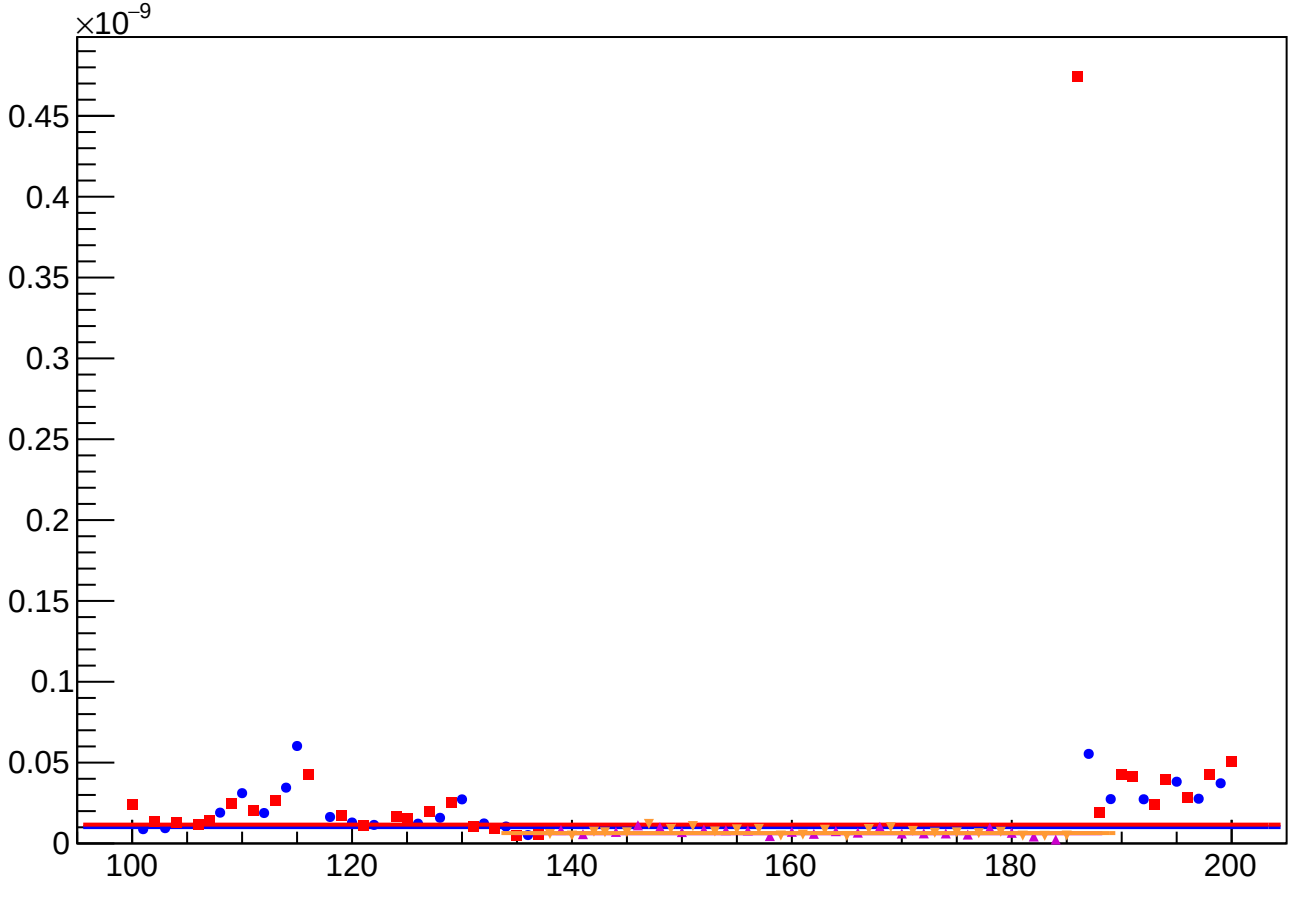
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 31.6/49

In: 0.000+/-0.000 χ^2/NDF:38.6/44

Out: -0.000+/-0.000 χ^2/NDF:51.4/52

All: -0.000+/-0.000 χ^2/NDF: 90.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 5119501.6/21

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

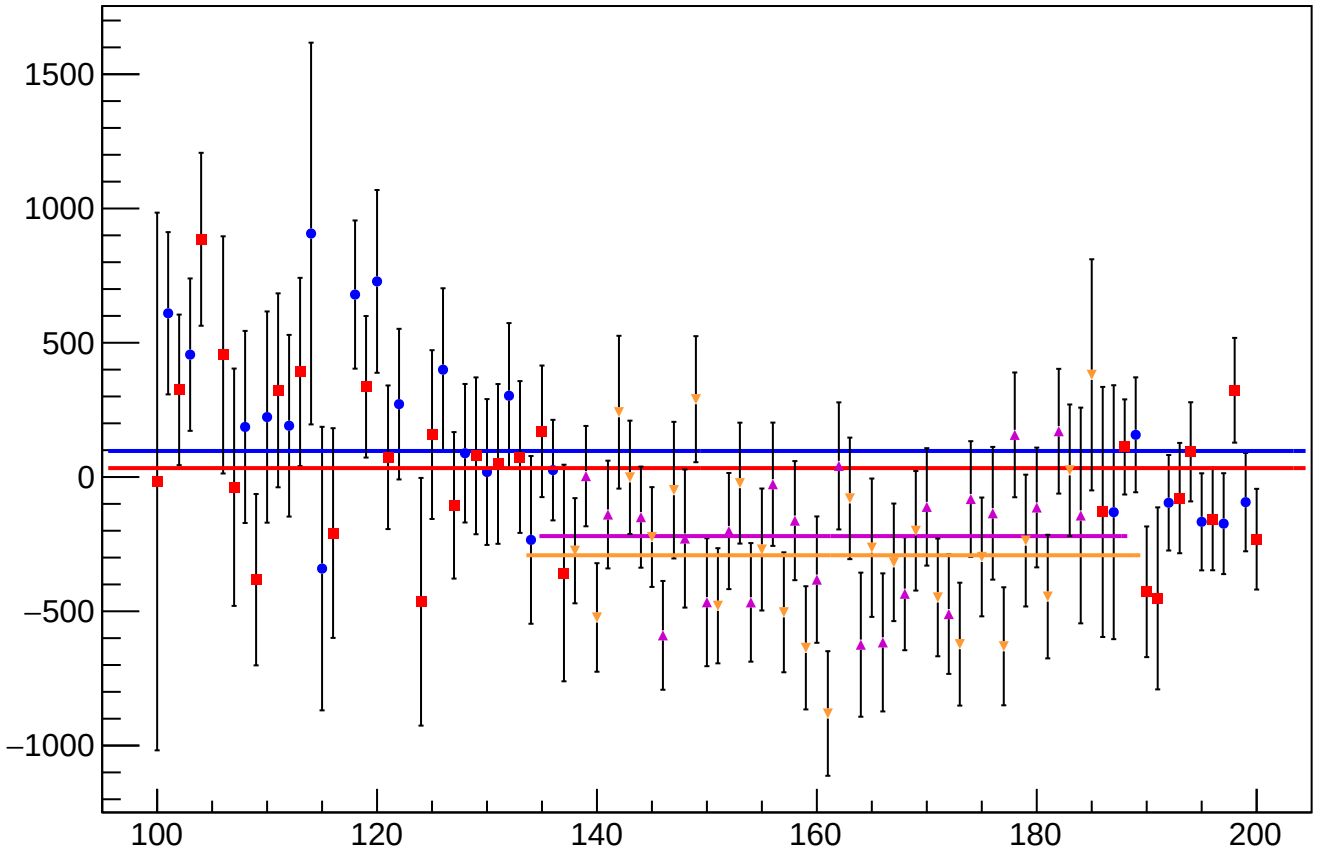
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11521872.5/49

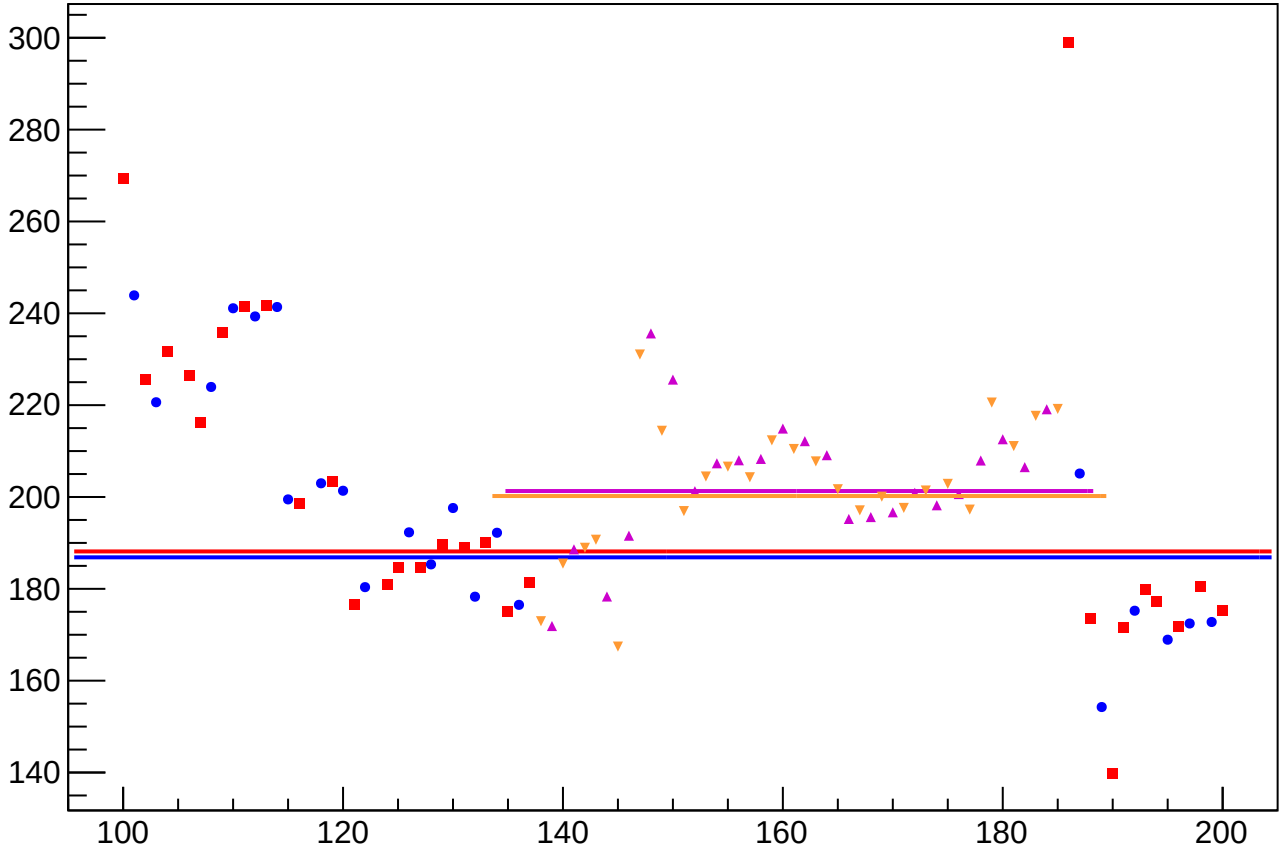
In: 0.000+/-0.000 χ^2/NDF:8488114.1/44

Out: 0.000+/-0.000 χ^2/NDF:10321039.3/52

All: 0.000+/-0.000 χ^2/NDF: 18824291.7/97


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 97.022+/-55.462 χ²/NDF: 24.7/21
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: 62.732+/-37.711 χ²/NDF: 54.0/49
In: -87.000+/-35.921 χ²/NDF:67.4/44
Out: -148.414+/-34.126 χ²/NDF:87.2/52
All: -119.280+/-24.741 χ²/NDF: 156.1/97

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.859+/-0.039 χ^2/NDF: 345506.2/21

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

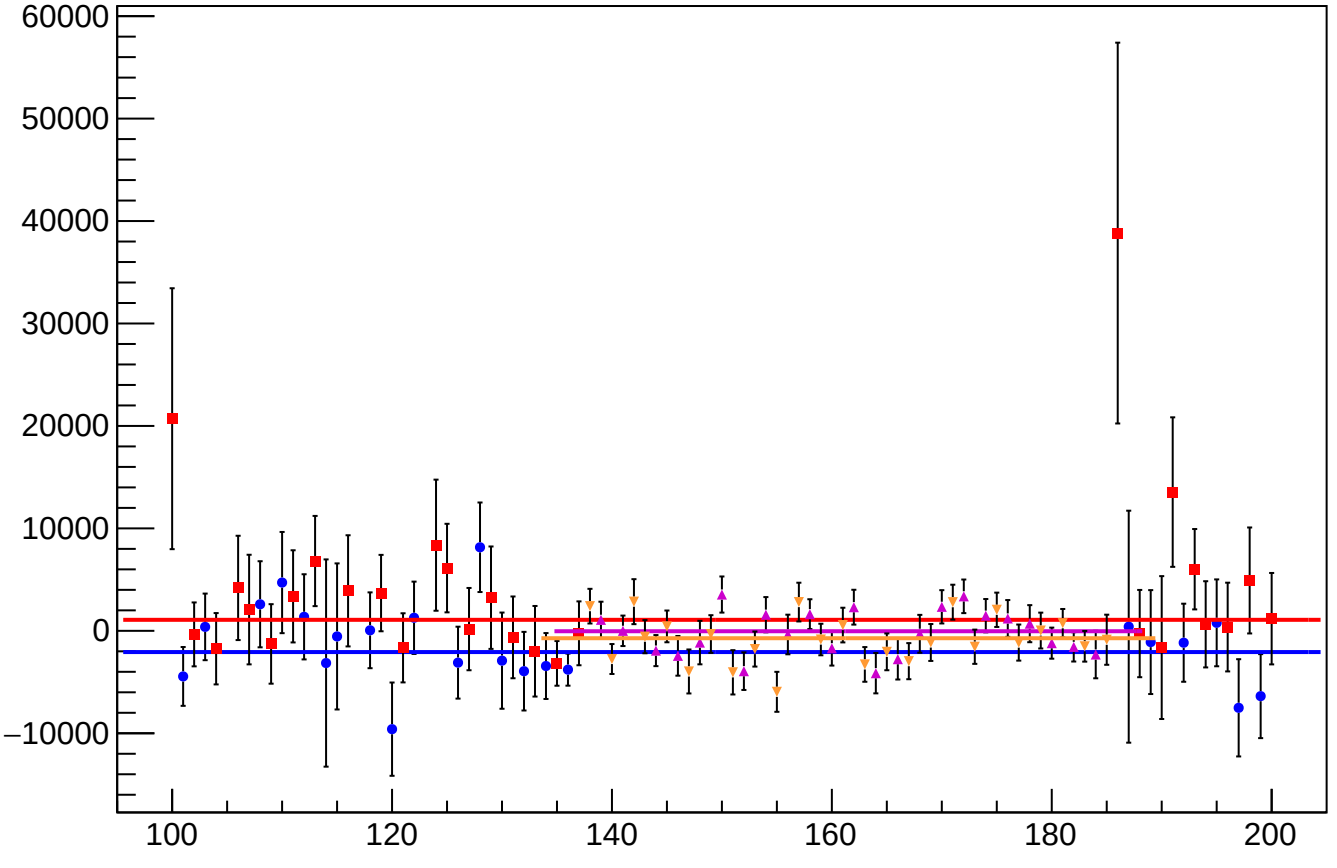
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 187.550+/-0.027 χ^2/NDF: 856544.2/49

In: 195.241+/-0.025 χ^2/NDF:605841.5/44

Out: 194.897+/-0.024 χ^2/NDF:776471.4/52

All: 195.060+/-0.017 χ^2/NDF: 1382408.9/97



Right In: -2071.948+/-783.251 χ^2/NDF: 19.3/21

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

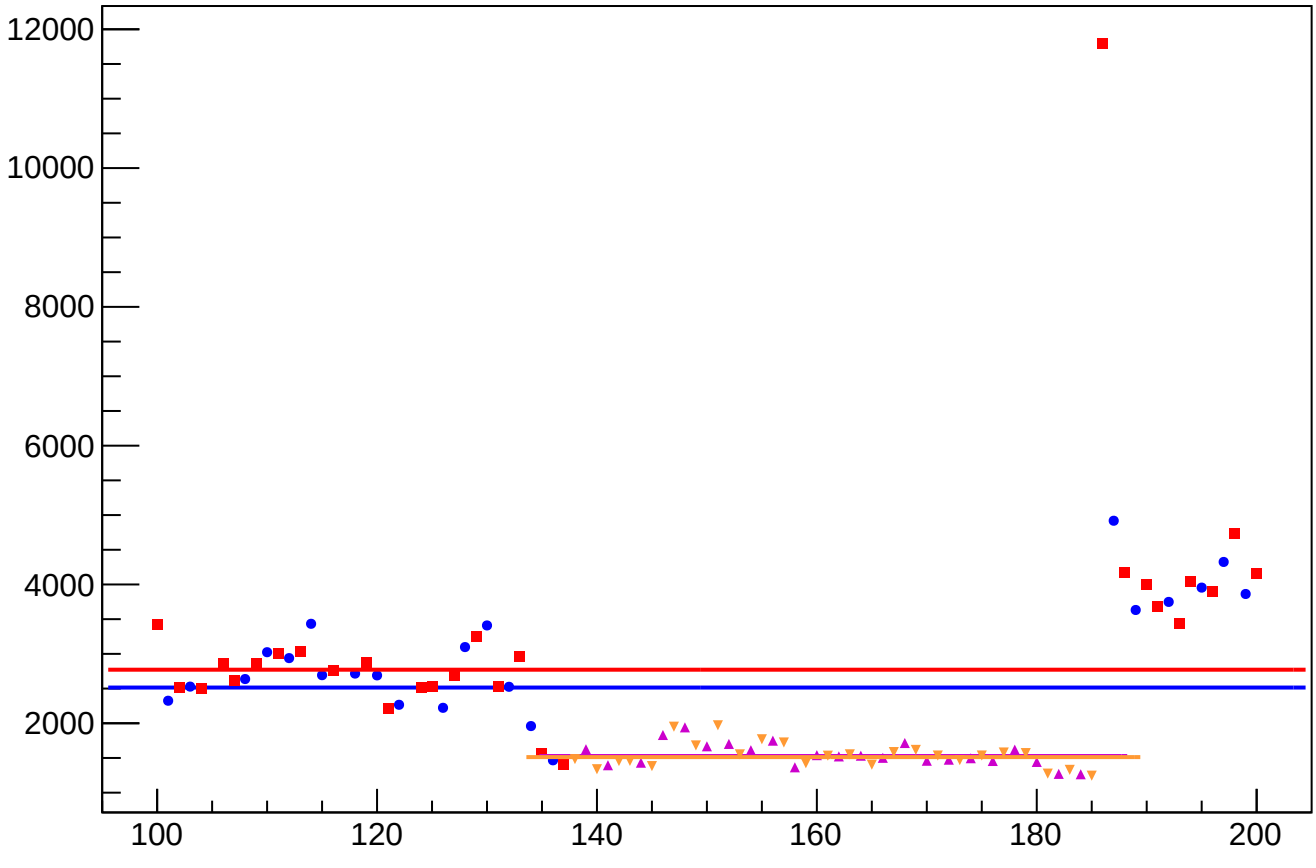
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -516.553+/-557.005 χ^2/NDF: 51.7/49

In: -392.598+/-326.552 χ^2/NDF:59.3/44

Out: -432.570+/-317.371 χ^2/NDF:67.0/52

All: -413.154+/-227.592 χ^2/NDF: 126.3/97



Right In: 2514.701+/-0.554 χ^2/NDF: 2304663.7/21

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

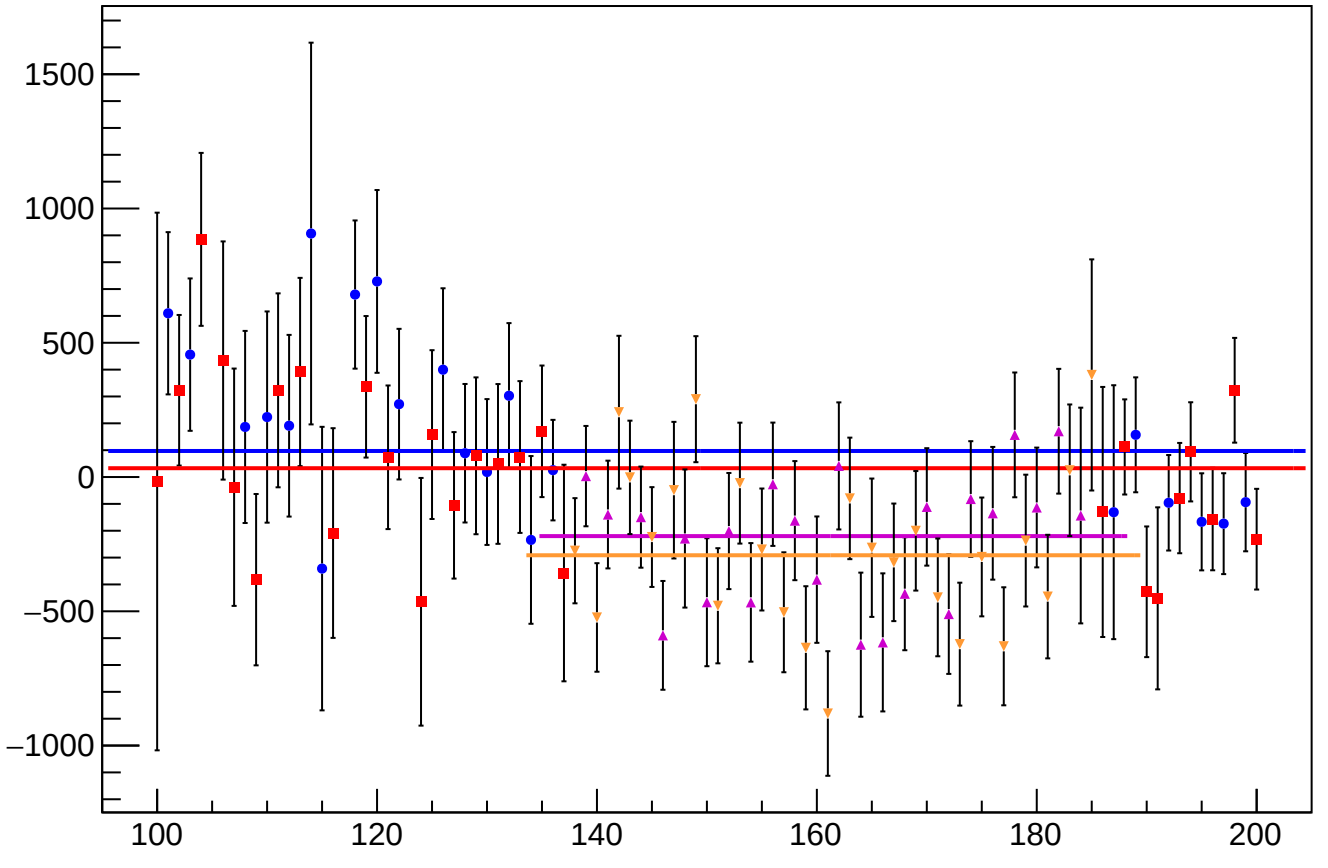
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2641.775+/-0.394 χ^2/NDF: 5194273.7/49

In: 1699.479+/-0.231 χ^2/NDF:5300941.5/44

Out: 1714.460+/-0.224 χ^2/NDF:7468585.4/52

All: 1707.183+/-0.161 χ^2/NDF: 12771691.4/9



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

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

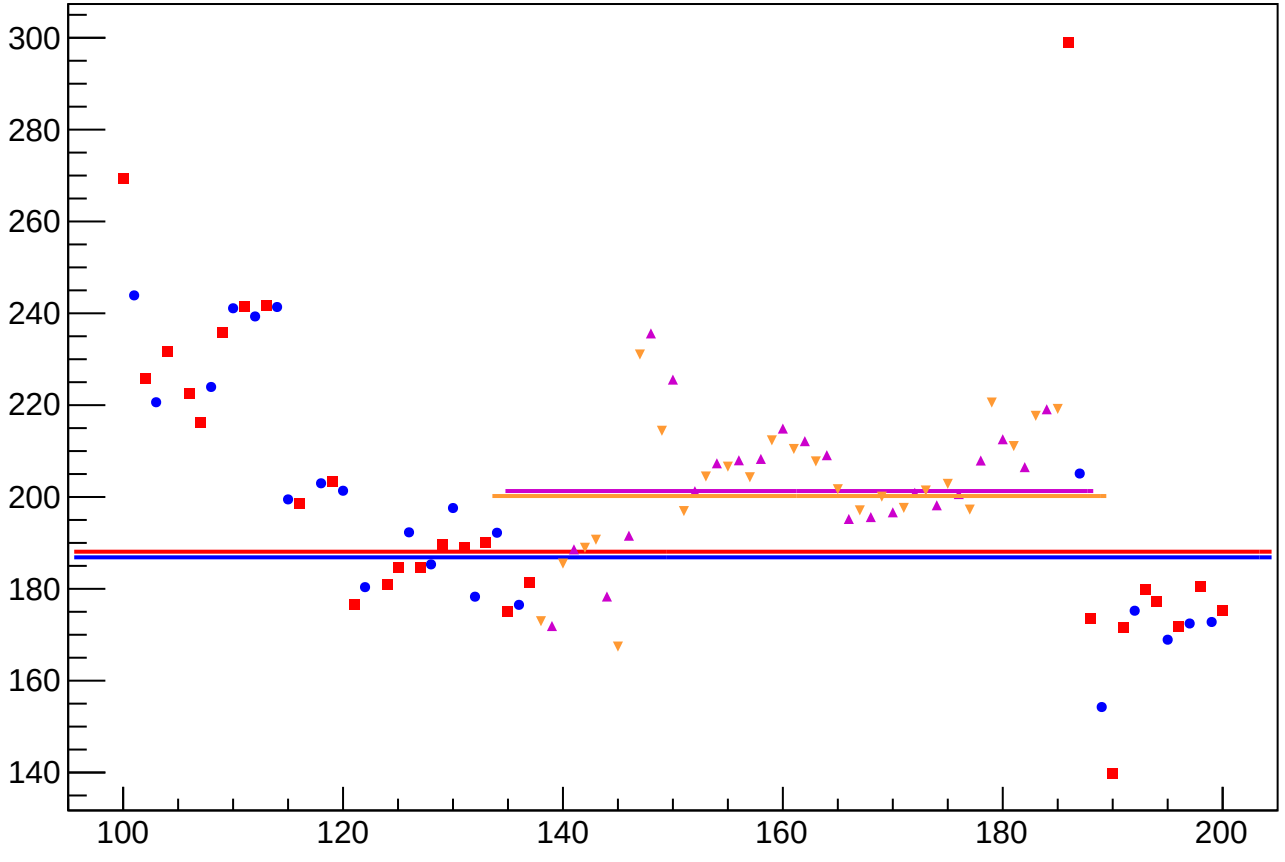
Right: 62.524+/-37.713 χ^2/NDF: 53.9/49

In: -87.006+/-35.921 χ^2/NDF:67.4/44

Out: -148.597+/-34.126 χ^2/NDF:87.0/52

All: -119.379+/-24.741 χ^2/NDF: 156.0/97

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

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

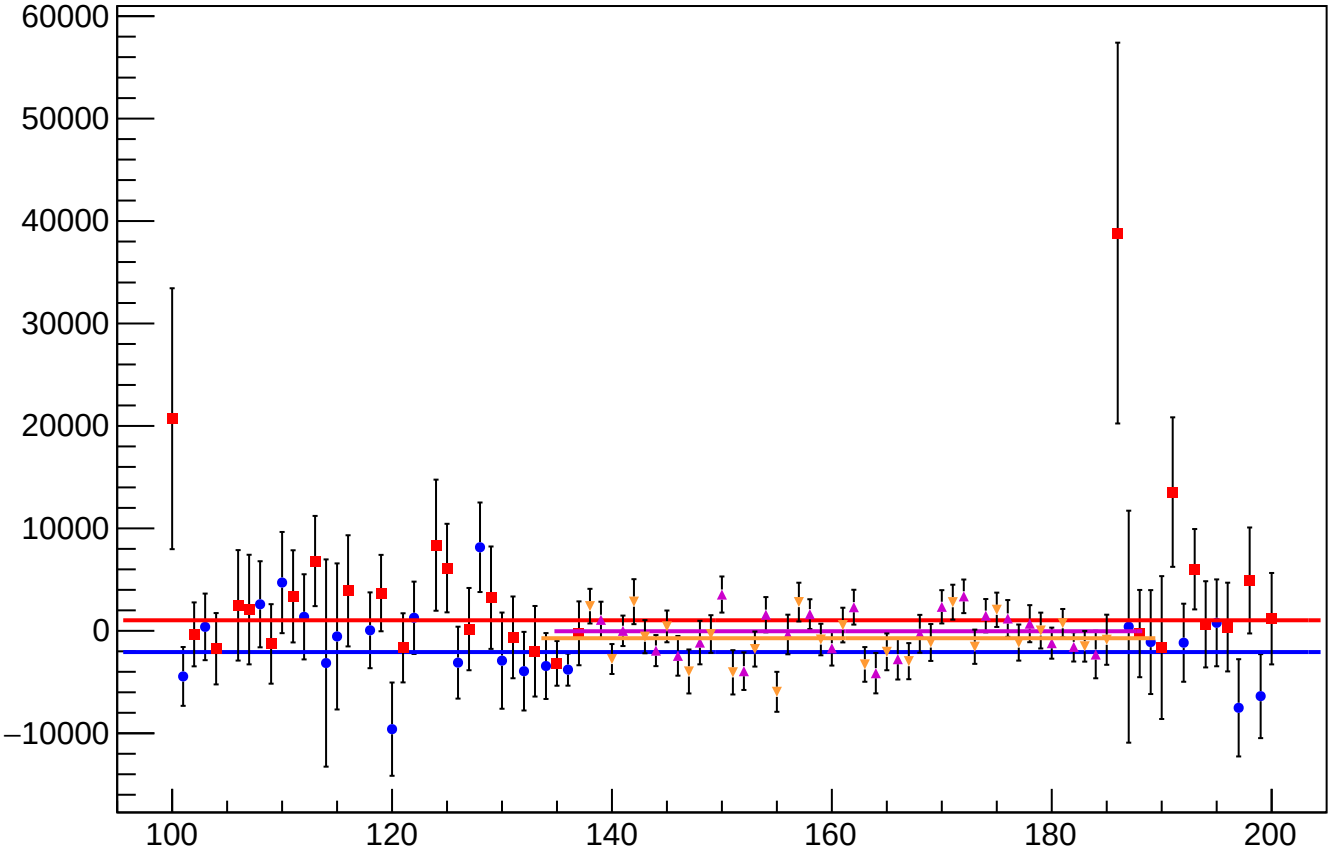
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 187.520+/-0.027 χ^2/NDF: 853566.0/49

In: 195.241+/-0.025 χ^2/NDF:605841.9/44

Out: 194.873+/-0.024 χ^2/NDF:774107.3/52

All: 195.048+/-0.017 χ^2/NDF: 1380059.2/97



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

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

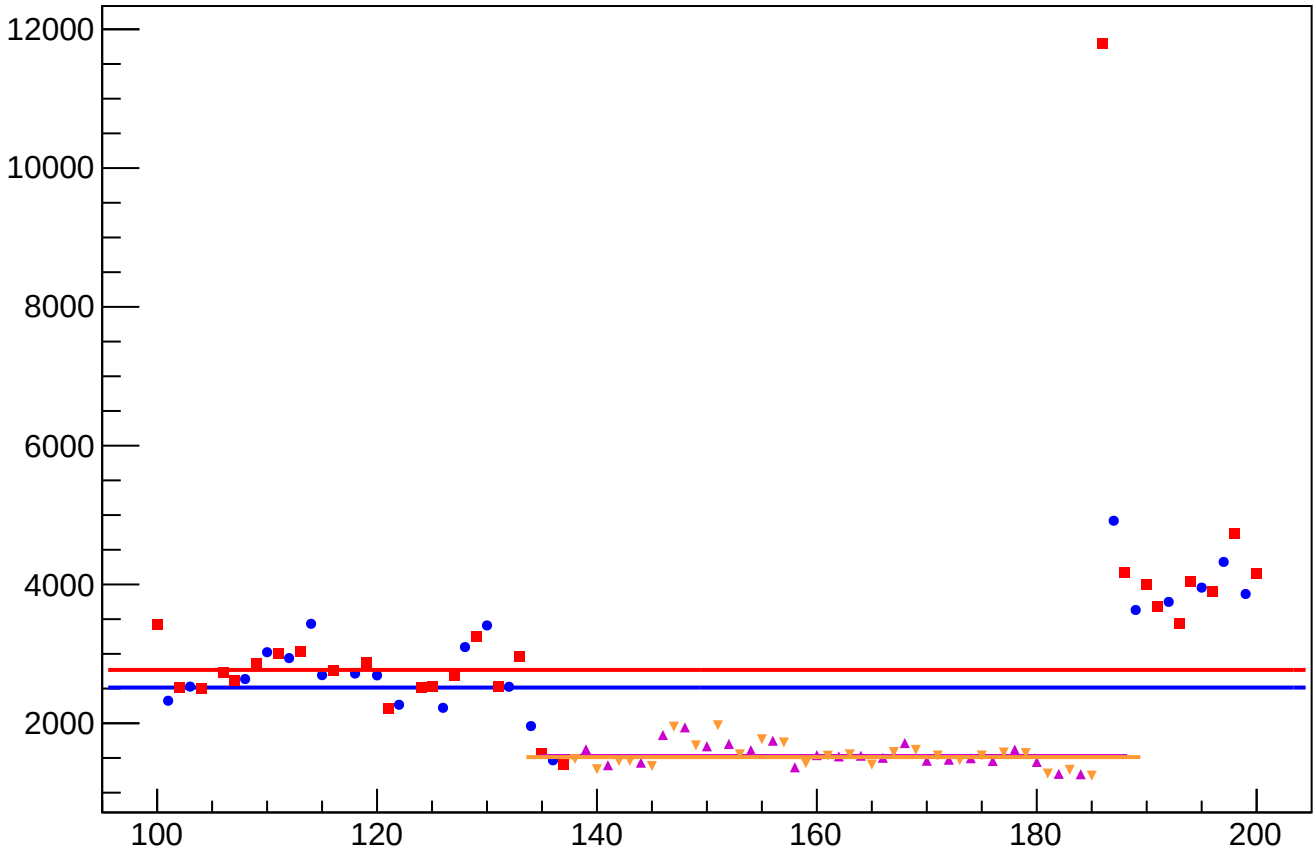
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -540.761+/-557.375 χ^2/NDF: 51.2/49

In: -392.590+/-326.552 χ^2/NDF:59.3/44

Out: -440.396+/-317.439 χ^2/NDF:66.5/52

All: -417.169+/-227.617 χ^2/NDF: 125.8/97



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

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

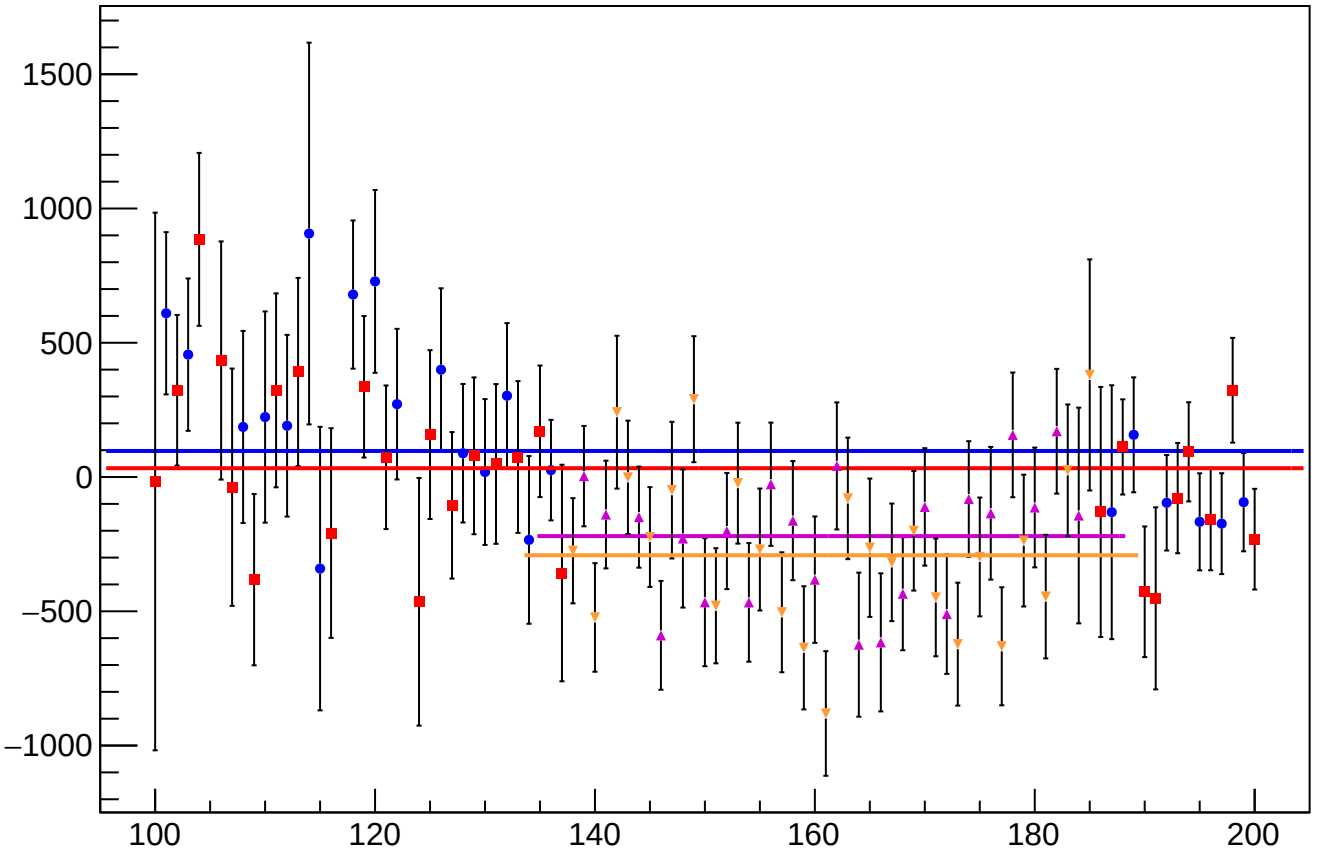
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2640.061+/-0.394 χ^2/NDF: 5190827.5/49

In: 1699.480+/-0.231 χ^2/NDF:5300953.0/44

Out: 1713.504+/-0.224 χ^2/NDF:7437309.0/52

All: 1706.691+/-0.161 χ^2/NDF: 12740158.7/9



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

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

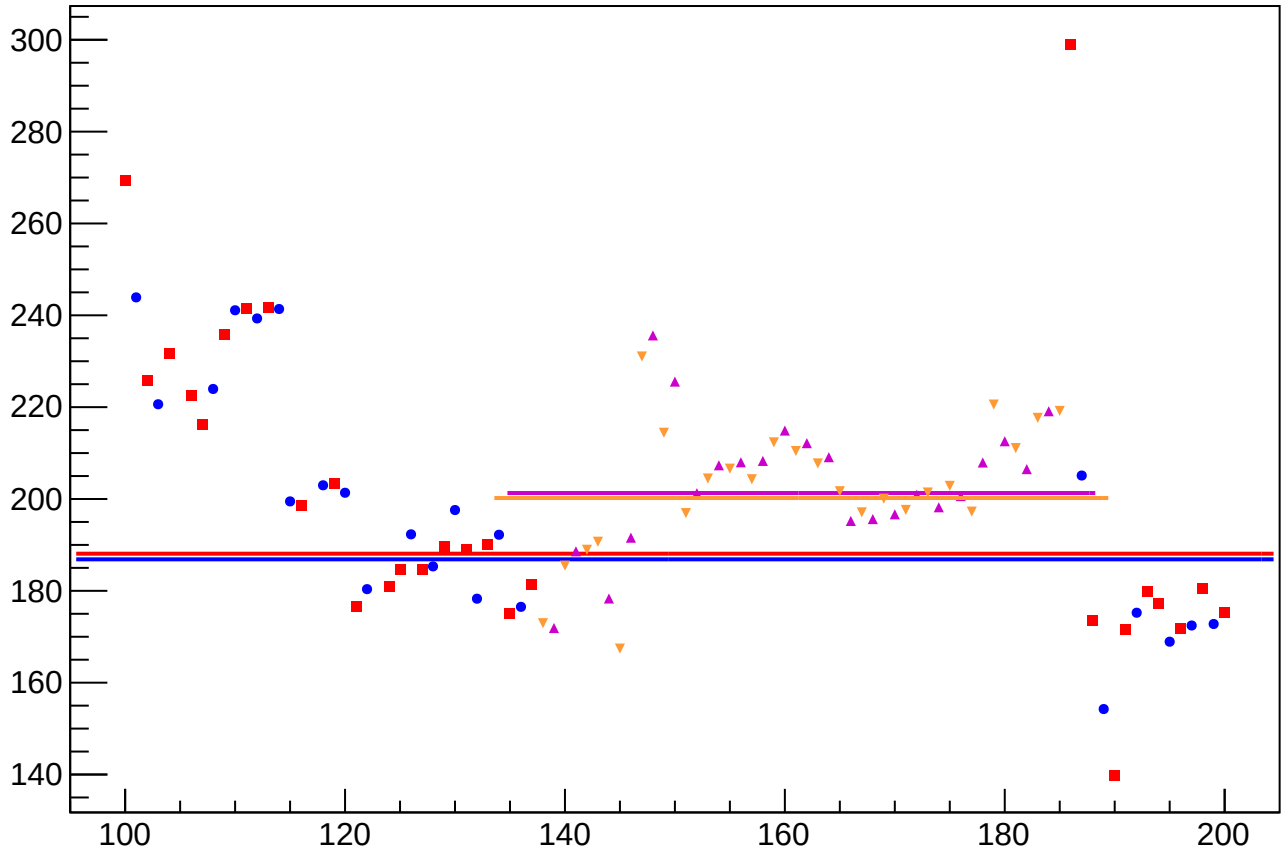
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 62.524+/-37.713 χ^2/NDF: 53.9/49

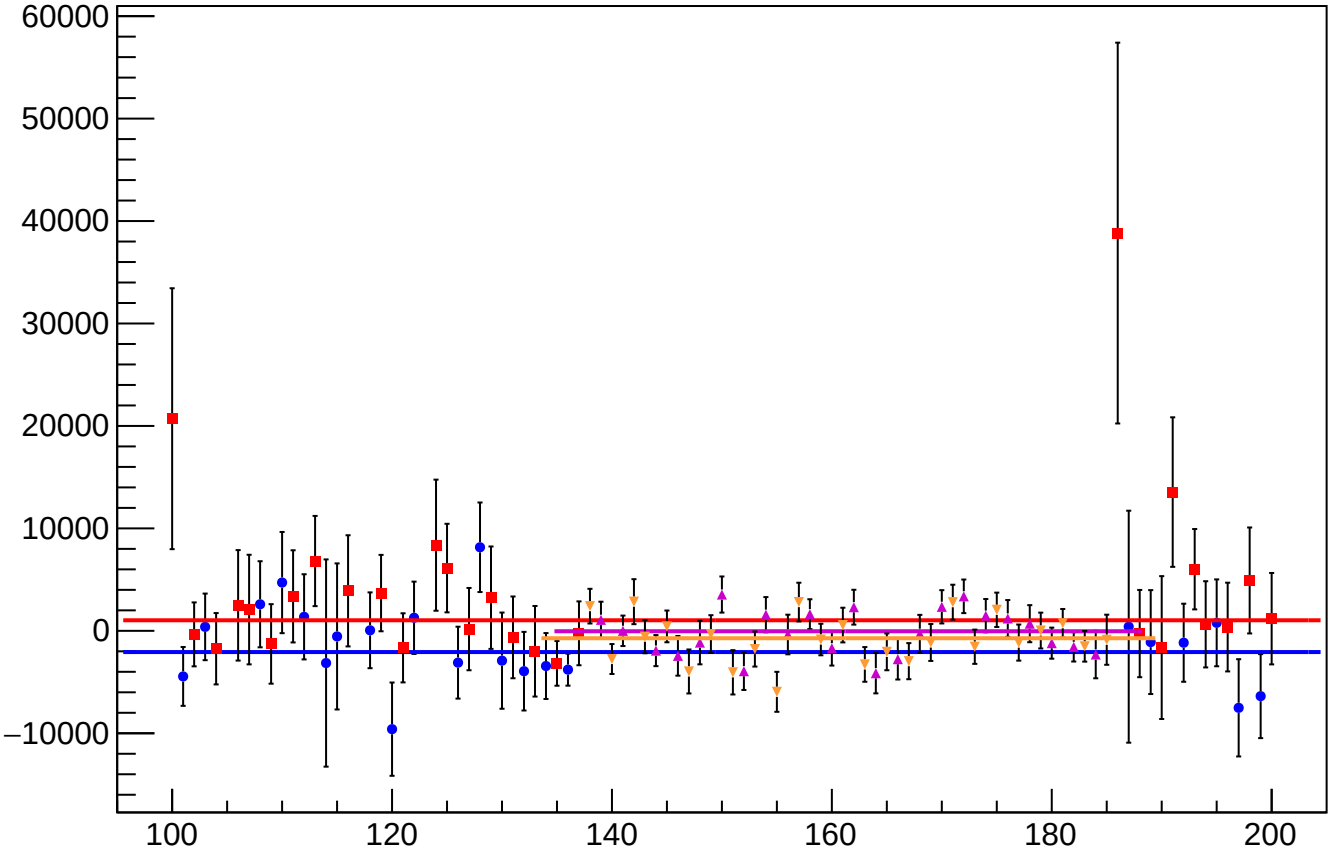
In: -87.006+/-35.921 χ^2/NDF:67.4/44

Out: -148.597+/-34.126 χ^2/NDF:87.0/52

All: -119.379+/-24.741 χ^2/NDF: 156.0/97


eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
100
120
140
160
180
200
Right In: 186.859+/-0.039 χ²/NDF: 345506.7/21
Left Out: 200.210+/-0.032 χ²/NDF:204394.0/24
Right Out: 188.088+/-0.036 χ²/NDF: 507530.9/27
Left In: 201.297+/-0.033 χ²/NDF:181646.8/22
Left: 200.736+/-0.023 χ²/NDF: 386590.4/47
Right: 187.520+/-0.027 χ²/NDF: 853566.0/49
In: 195.241+/-0.025 χ²/NDF:605841.9/44
Out: 194.873+/-0.024 χ²/NDF:774107.3/52
All: 195.048+/-0.017 χ²/NDF: 1380059.2/97

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

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

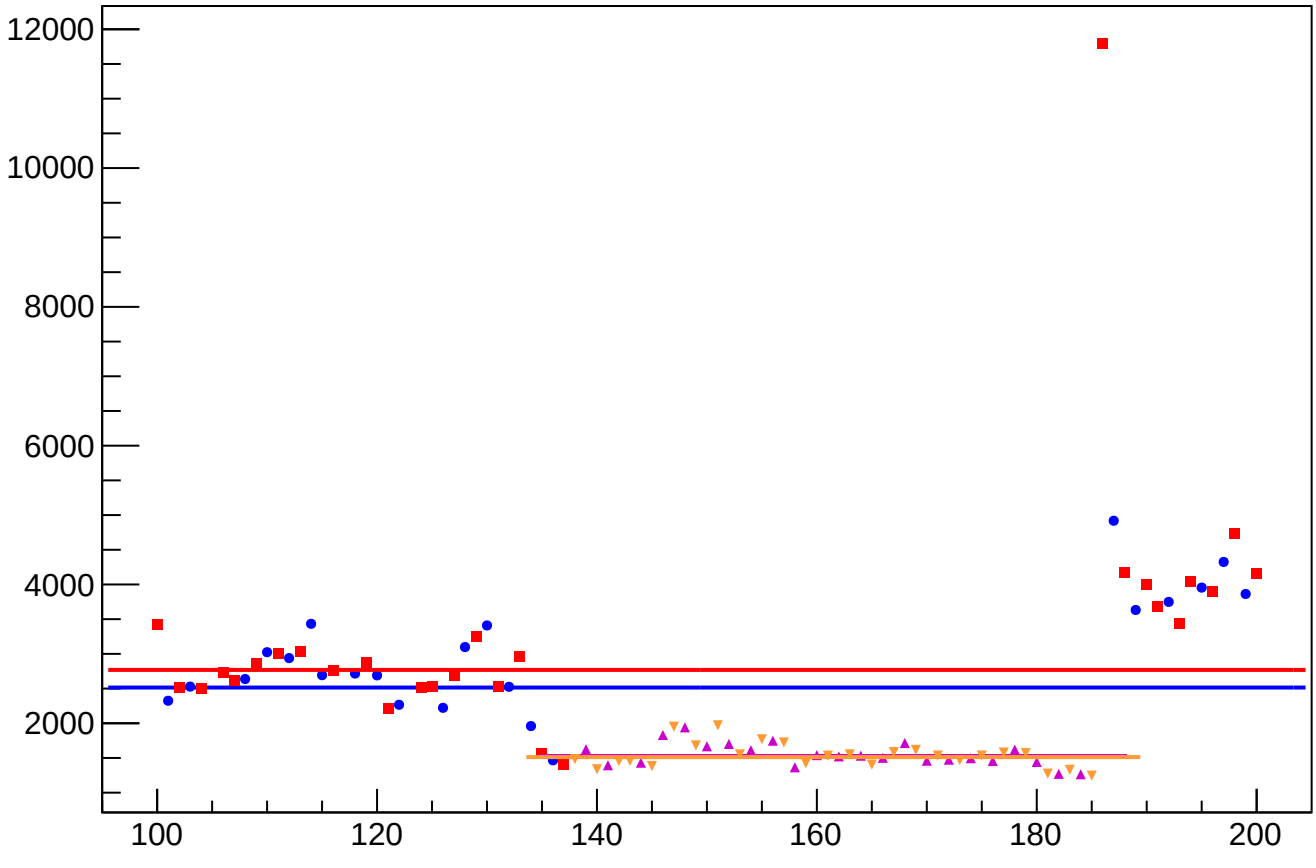
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -540.761+/-557.375 χ^2/NDF: 51.2/49

In: -392.590+/-326.552 χ^2/NDF:59.3/44

Out: -440.396+/-317.439 χ^2/NDF:66.5/52

All: -417.169+/-227.617 χ^2/NDF: 125.8/97



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

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

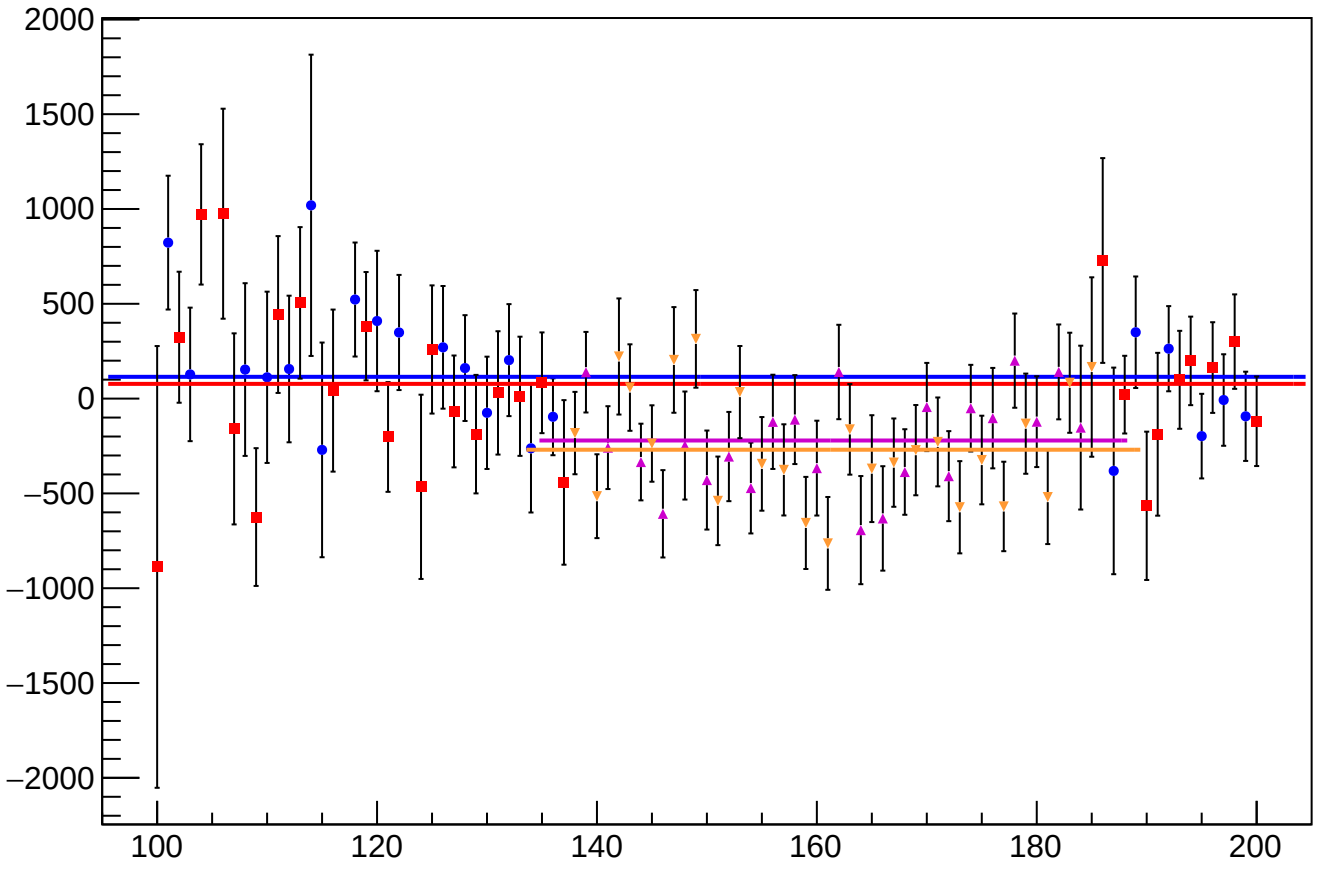
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2640.061+/-0.394 χ^2/NDF: 5190827.5/49

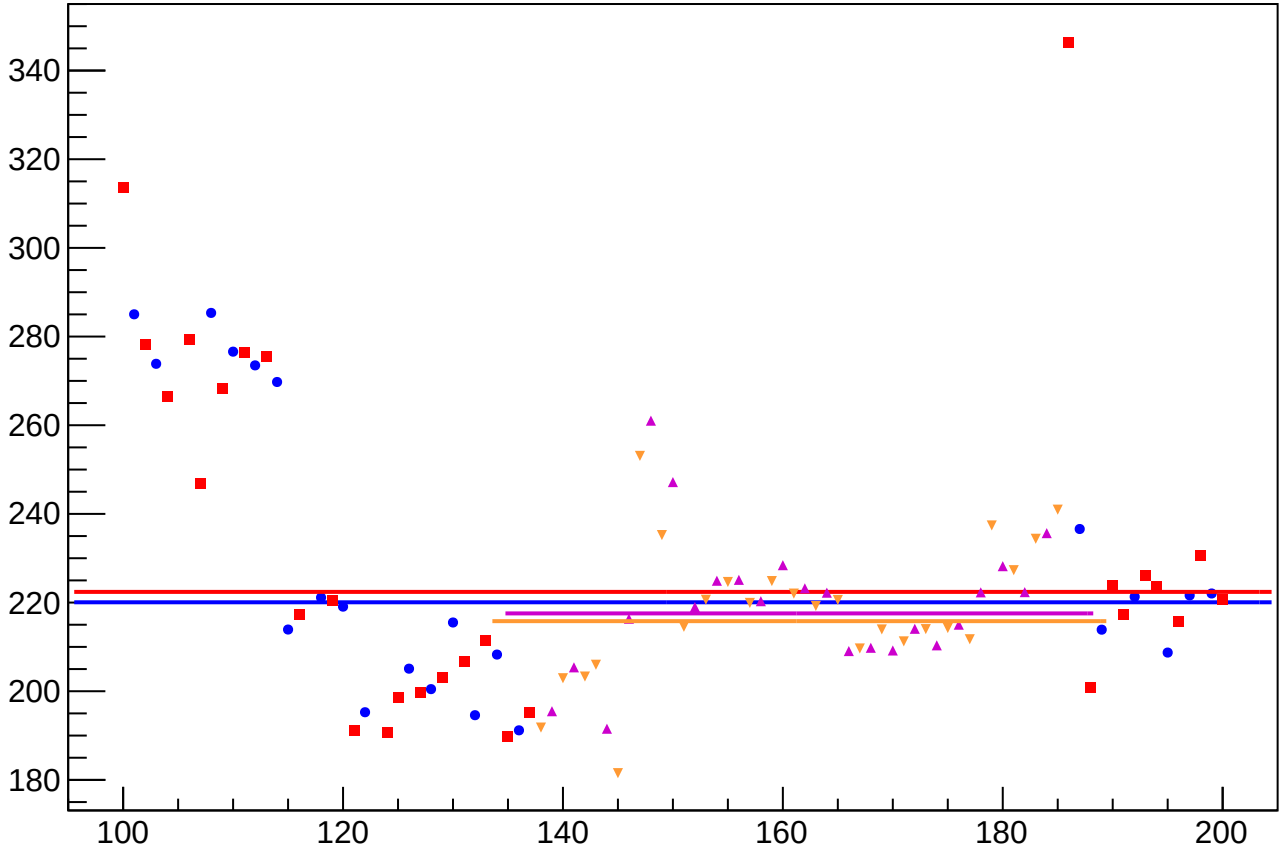
In: 1699.480+/-0.231 χ^2/NDF:5300953.0/44

Out: 1713.504+/-0.224 χ^2/NDF:7437309.0/52

All: 1706.691+/-0.161 χ^2/NDF: 12740158.7/9


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: 114.871+/-65.257 χ²/NDF: 16.9/21
Left Out: -269.678+/-49.158 χ²/NDF:31.5/24
Right Out: 77.635+/-60.760 χ²/NDF: 28.1/27
Left In: -220.926+/-50.956 χ²/NDF:23.4/22
Left: -246.177+/-35.378 χ²/NDF: 55.3/47
Right: 94.926+/-44.469 χ²/NDF: 45.2/49
In: -93.735+/-40.162 χ²/NDF:56.7/44
Out: -132.280+/-38.217 χ²/NDF:79.4/52
All: -113.963+/-27.685 χ²/NDF: 136.5/97

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.062+/-0.046 χ^2/NDF: 327218.0/21

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

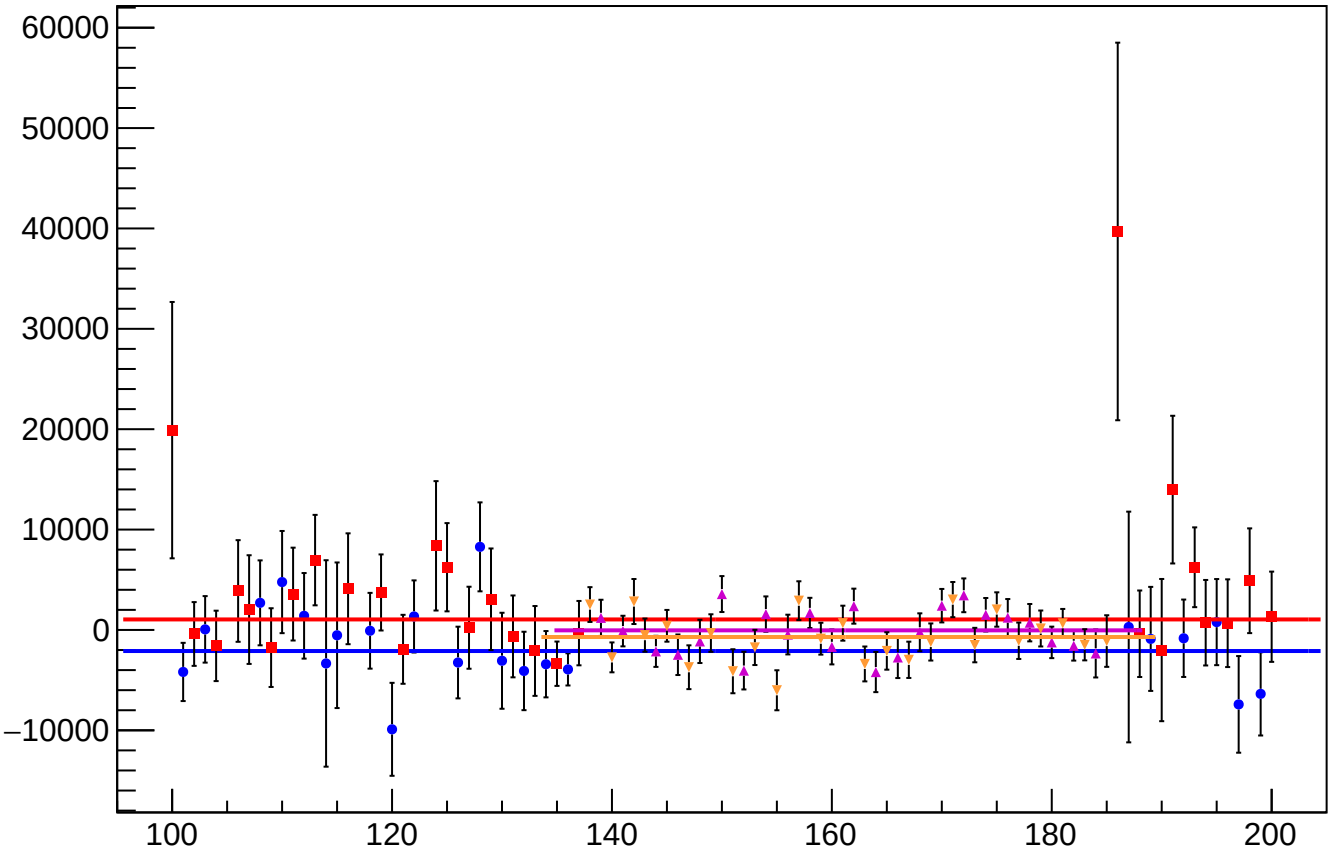
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.318+/-0.031 χ^2/NDF: 787738.3/49

In: 218.504+/-0.028 χ^2/NDF:490117.8/44

Out: 218.418+/-0.027 χ^2/NDF:662100.2/52

All: 218.459+/-0.020 χ^2/NDF: 1152222.9/97



Right In: -2100.010+/-798.329 χ^2/NDF: 19.1/21

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

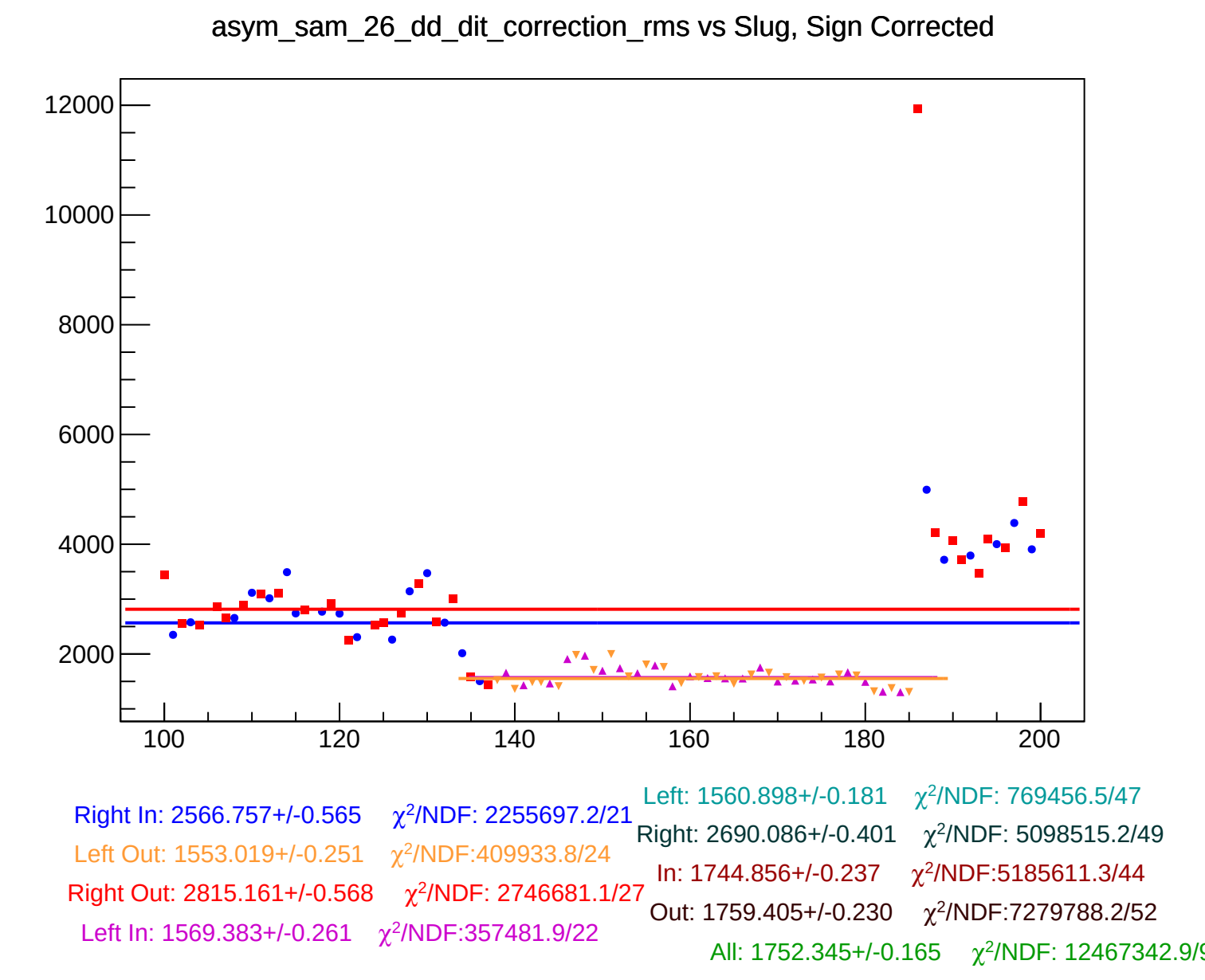
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

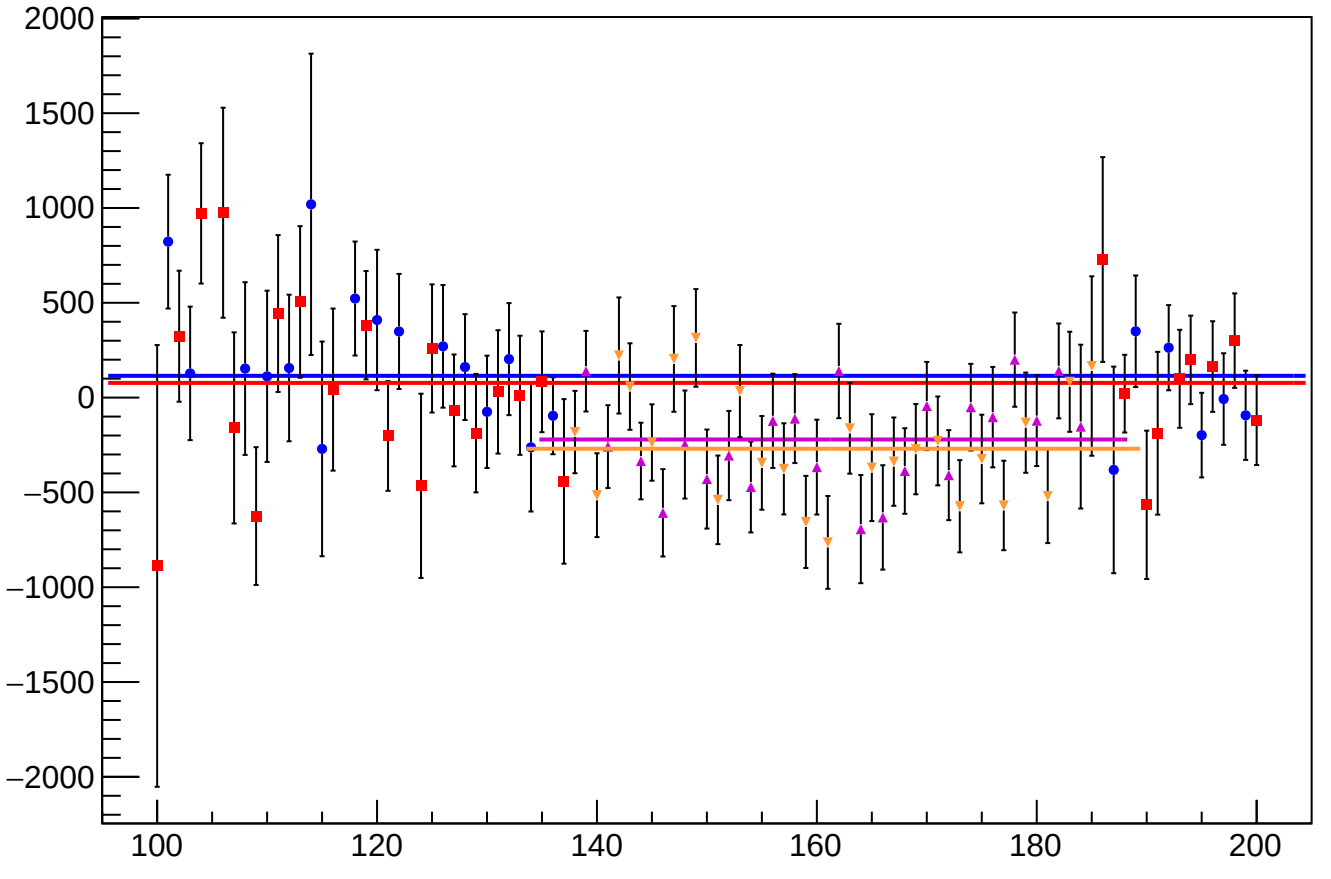
Right: -537.613+/-566.485 χ^2/NDF: 51.8/49

In: -402.146+/-334.856 χ^2/NDF:58.9/44

Out: -417.701+/-325.103 χ^2/NDF:66.6/52

All: -410.154+/-233.254 χ^2/NDF: 125.5/97


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: 2566.757+/-0.565 χ²/NDF: 2255697.2/21
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: 2690.086+/-0.401 χ²/NDF: 5098515.2/49
In: 1744.856+/-0.237 χ²/NDF:5185611.3/44
Out: 1759.405+/-0.230 χ²/NDF:7279788.2/52
All: 1752.345+/-0.165 χ²/NDF: 12467342.9/9



Right In: 114.873+/-65.256 χ^2/NDF: 16.9/21

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 77.635+/-60.760 χ^2/NDF: 28.1/27

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

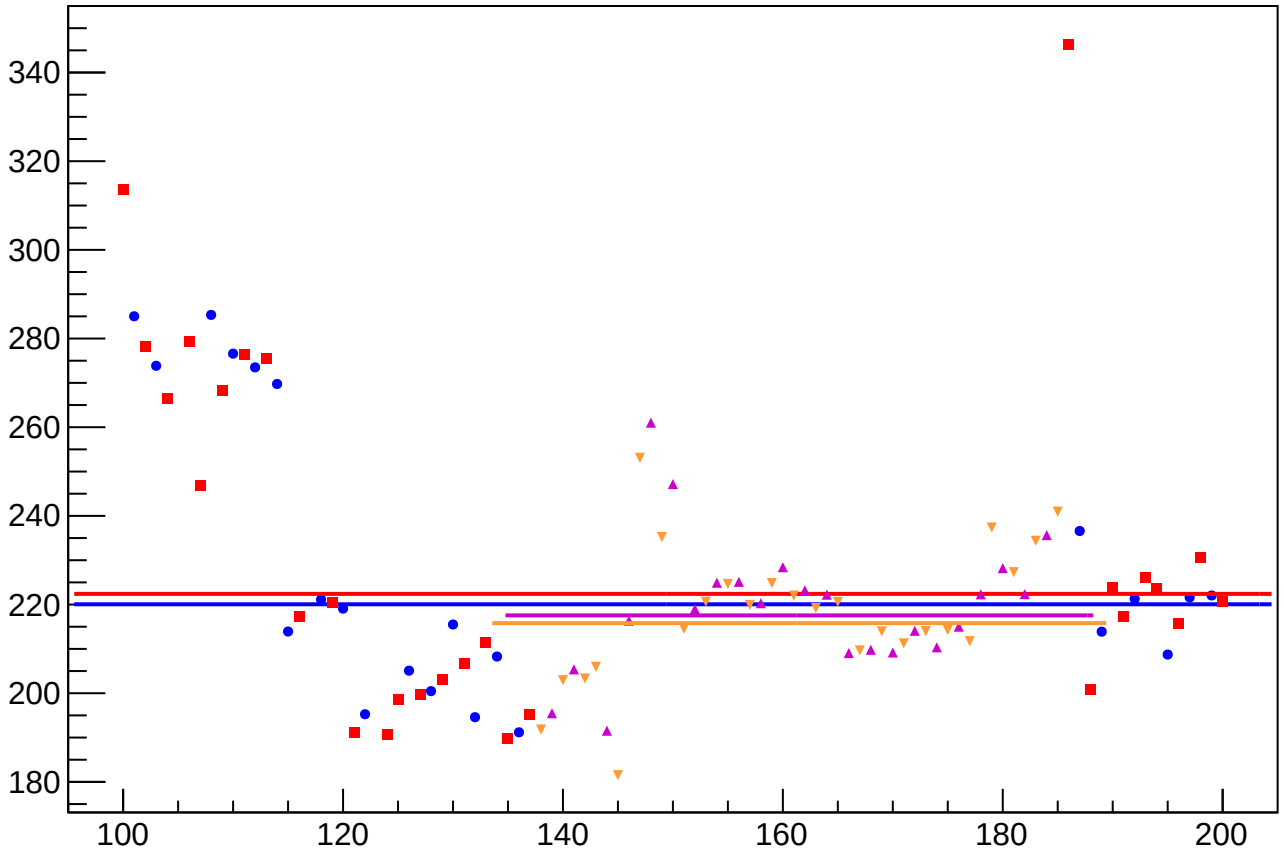
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 94.927+/-44.469 χ^2/NDF: 45.2/49

In: -93.734+/-40.162 χ^2/NDF:56.7/44

Out: -132.280+/-38.216 χ^2/NDF:79.4/52

All: -113.963+/-27.685 χ^2/NDF: 136.5/97



Right In: 220.061+/-0.046 χ^2/NDF: 327211.5/21

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

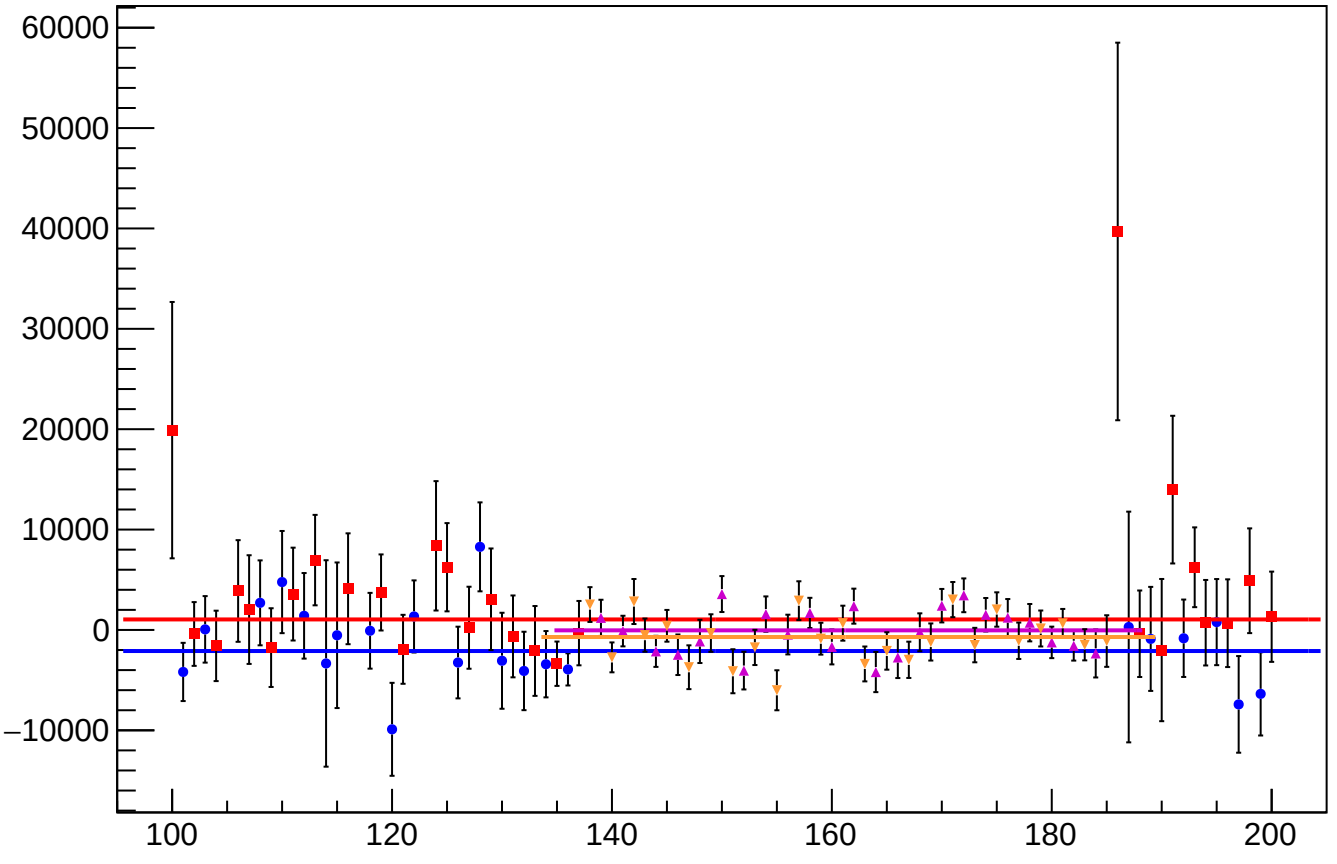
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.317+/-0.031 χ^2/NDF: 787717.3/49

In: 218.504+/-0.028 χ^2/NDF:490113.1/44

Out: 218.417+/-0.027 χ^2/NDF:662087.5/52

All: 218.458+/-0.020 χ^2/NDF: 1152205.5/97



Right In: -2100.006+/-798.328 χ^2/NDF: 19.1/21

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

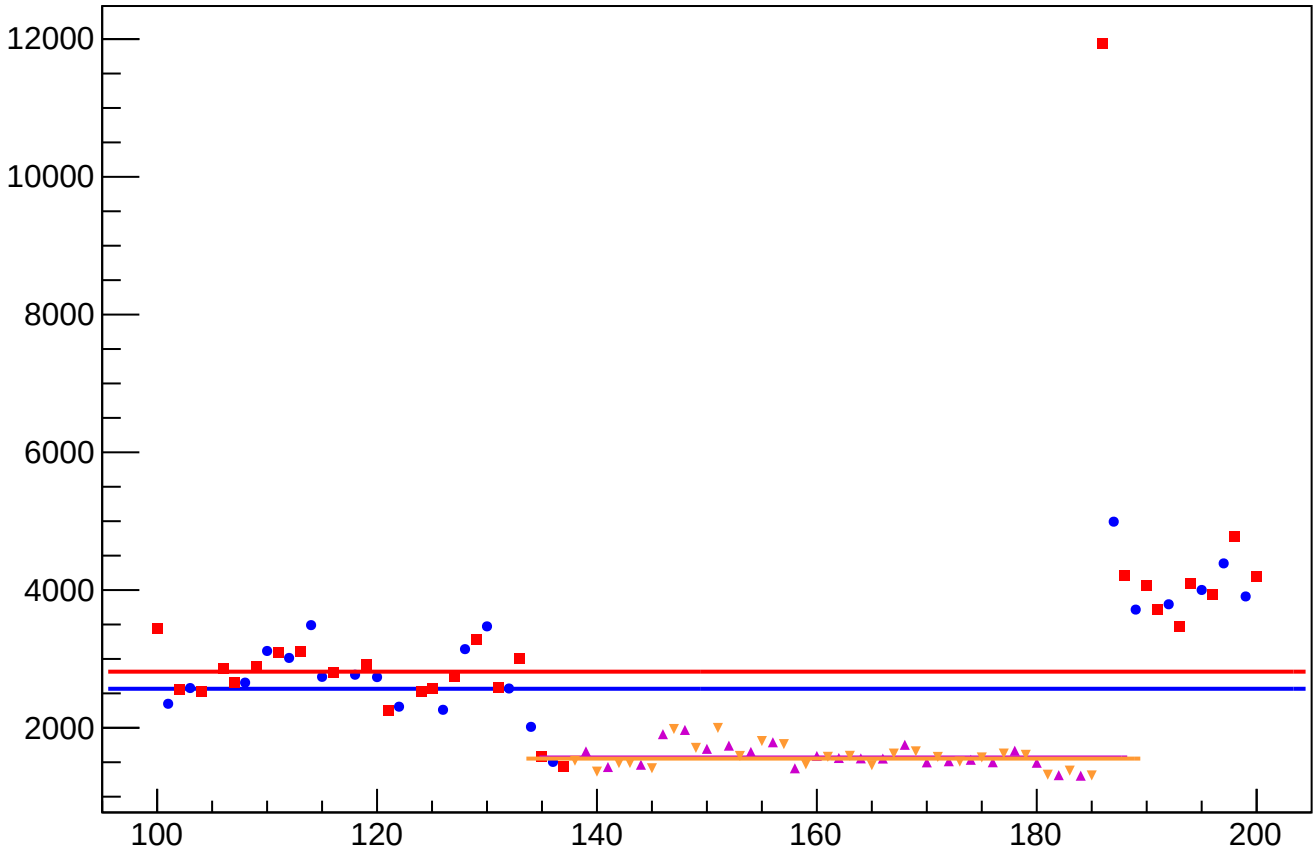
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -537.611+/-566.484 χ^2/NDF: 51.8/49

In: -402.146+/-334.856 χ^2/NDF:58.9/44

Out: -417.701+/-325.103 χ^2/NDF:66.6/52

All: -410.153+/-233.254 χ^2/NDF: 125.5/97



Right In: 2566.754+/-0.565 χ^2/NDF: 2255691.6/21

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2815.158+/-0.568 χ^2/NDF: 2746682.5/27

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

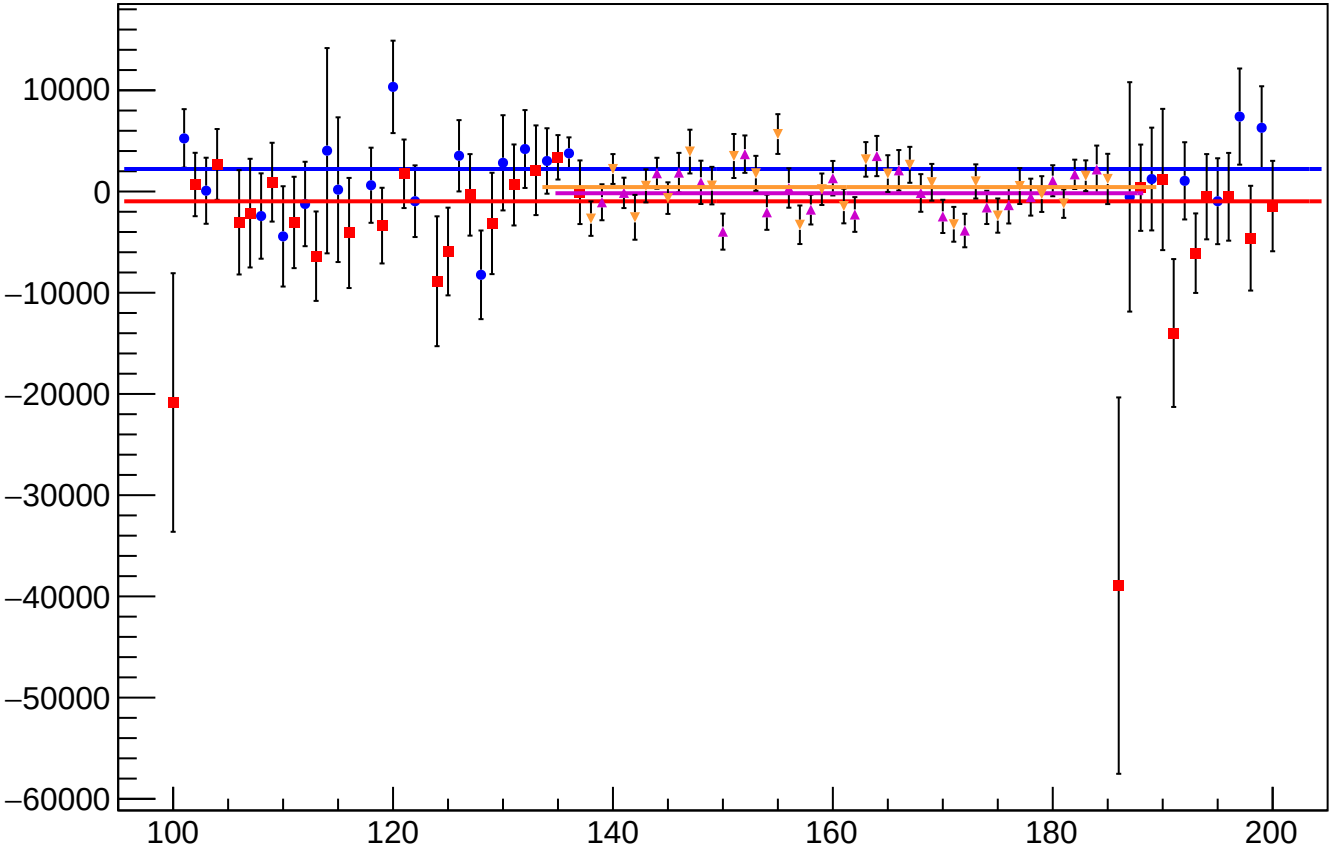
Right: 2690.083+/-0.401 χ^2/NDF: 5098510.7/49

In: 1744.856+/-0.237 χ^2/NDF:5185598.2/44

Out: 1759.405+/-0.230 χ^2/NDF:7279773.8/52

All: 1752.346+/-0.165 χ^2/NDF: 12467315.5/9

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2224.423+/-786.562 χ^2/NDF: 19.6/21

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

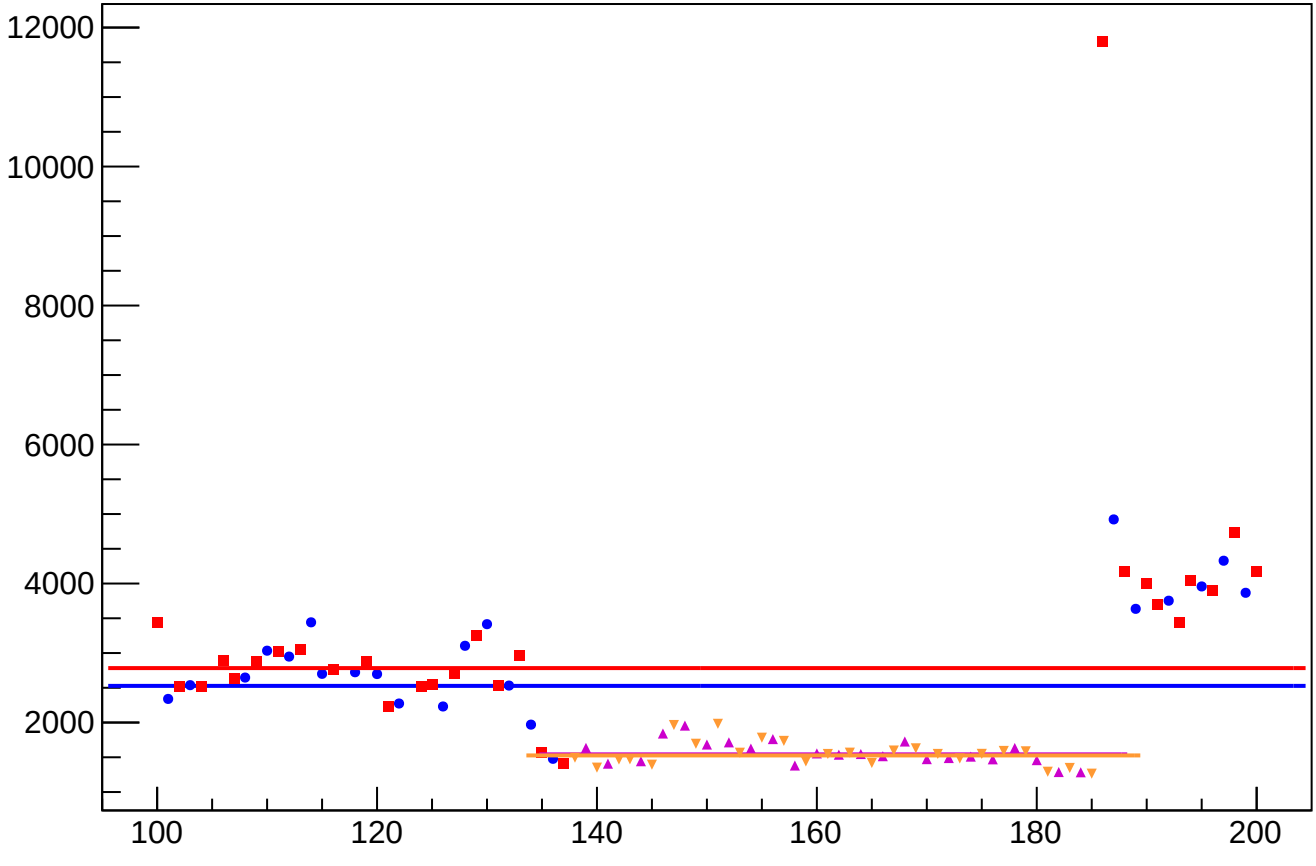
Right: 645.374+/-559.194 χ^2/NDF: 52.5/49

In: 249.712+/-329.257 χ^2/NDF:60.2/44

Out: 209.805+/-320.019 χ^2/NDF:66.3/52

All: 229.191+/-229.484 χ^2/NDF: 126.5/97

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2527.346+/-0.556 χ^2/NDF: 2273386.9/21

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

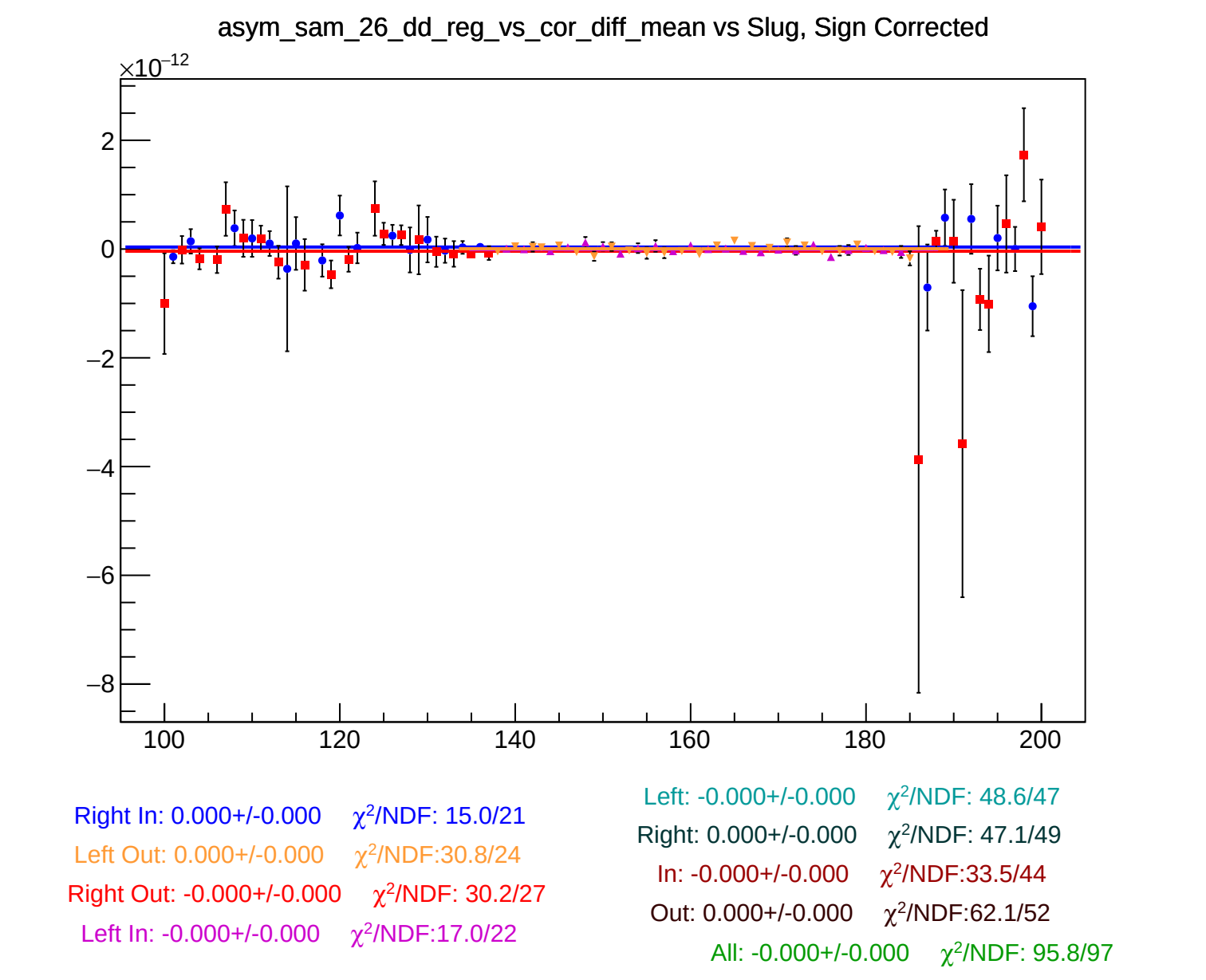
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

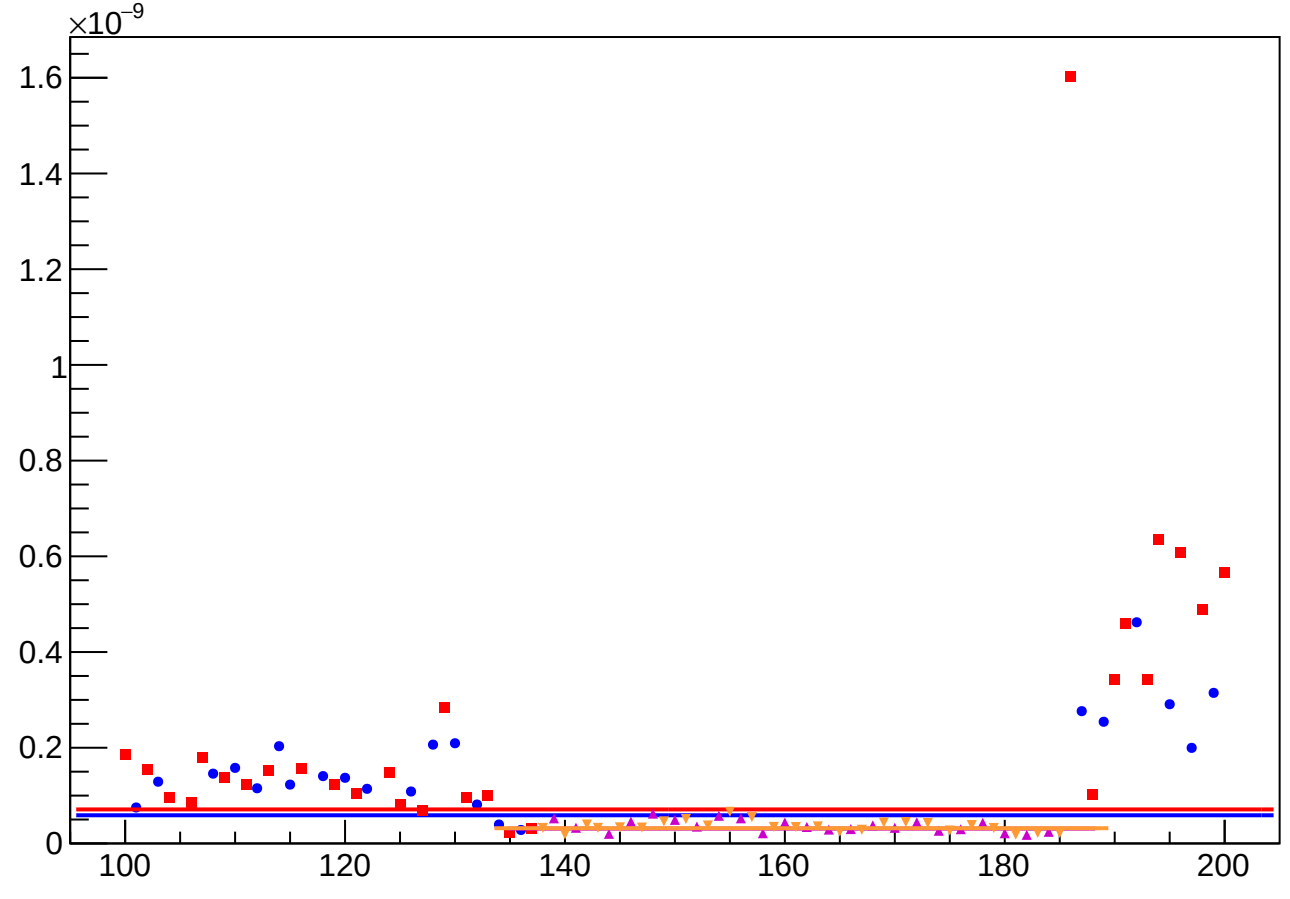
Right: 2653.913+/-0.395 χ^2/NDF: 5132038.0/49

In: 1714.877+/-0.233 χ^2/NDF:5222962.2/44

Out: 1730.256+/-0.226 χ^2/NDF:7368813.5/52

All: 1722.785+/-0.162 χ^2/NDF: 12594019.7/9


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.0/21
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.2/27
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 47.1/49
In: -0.000+/-0.000 χ²/NDF:33.5/44
Out: 0.000+/-0.000 χ²/NDF:62.1/52
All: -0.000+/-0.000 χ²/NDF: 95.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 4831311.0/21

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

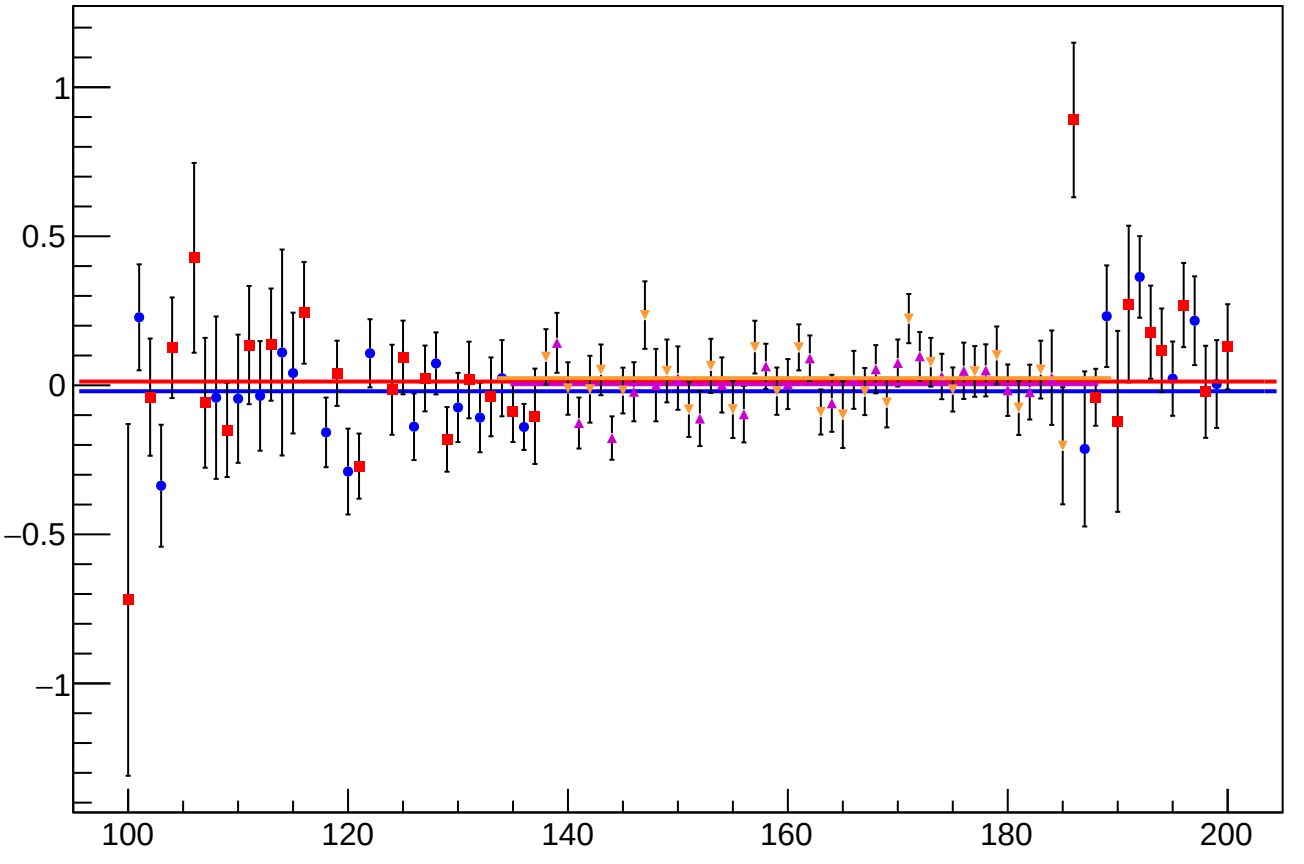
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11158964.9/49

In: 0.000+/-0.000 χ^2/NDF:7499269.6/44

Out: 0.000+/-0.000 χ^2/NDF:9084548.4/52

All: 0.000+/-0.000 χ^2/NDF: 16588481.2/97



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

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

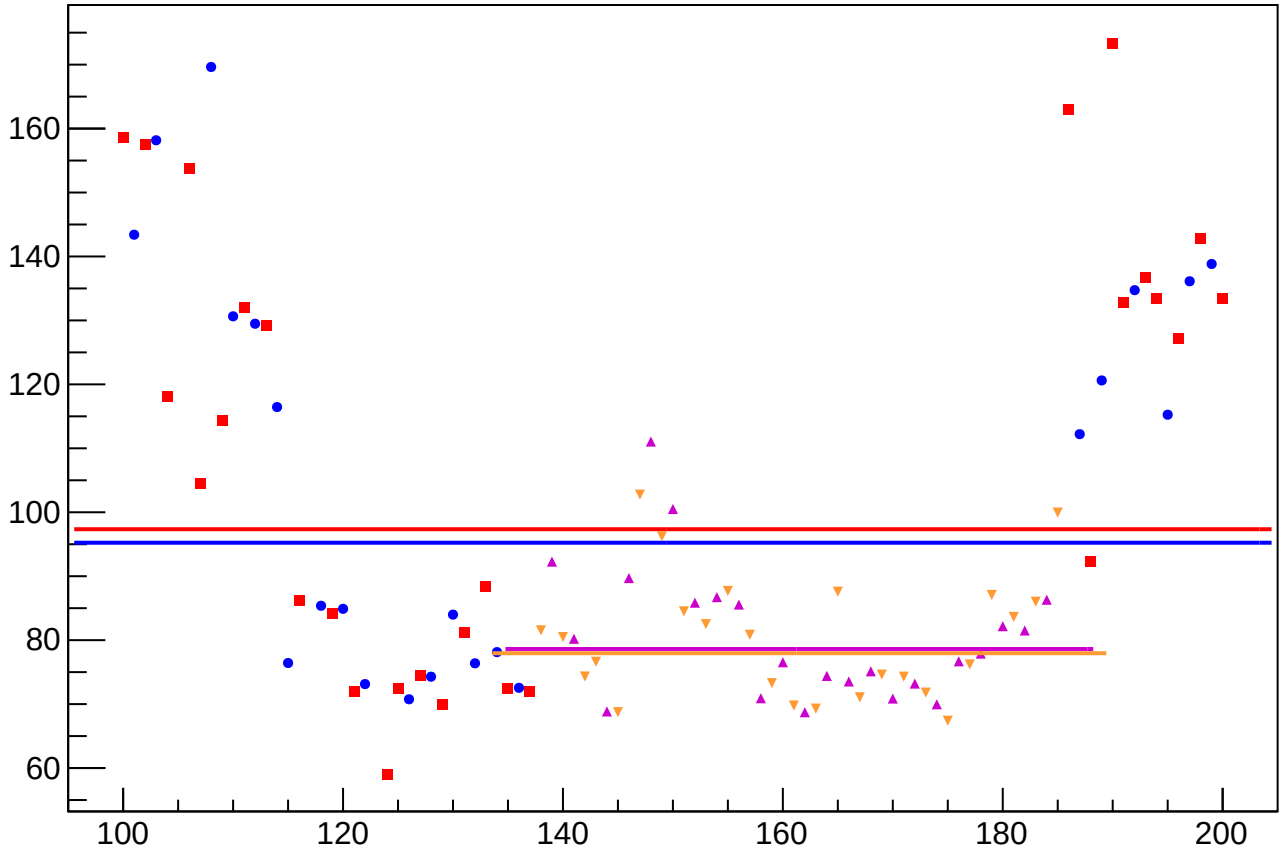
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.003+/-0.020 χ^2/NDF: 68.3/49

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.009+/-0.011 χ^2/NDF: 113.8/97



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

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

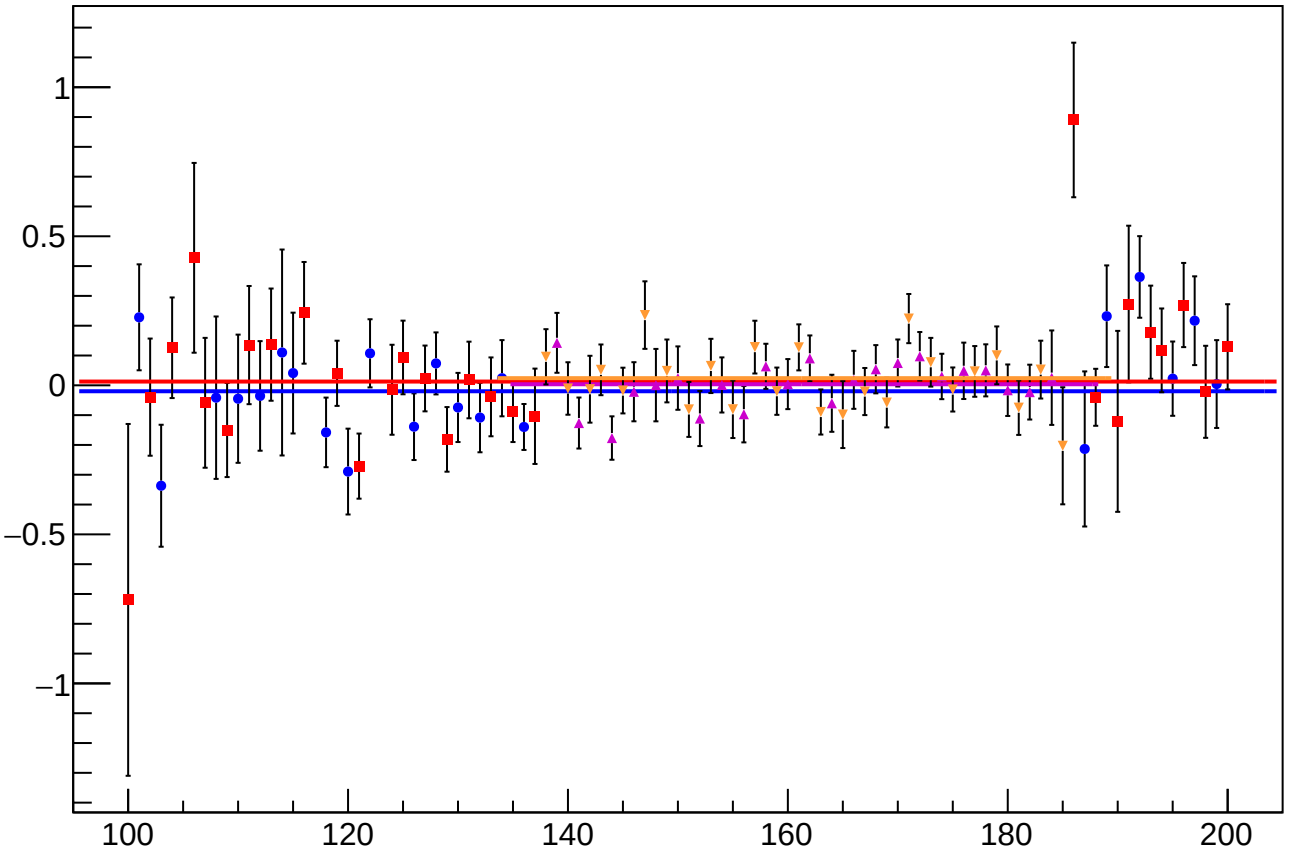
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 96.354+/-0.014 χ^2/NDF: 3962662.9/49

In: 83.361+/-0.011 χ^2/NDF:2743120.5/44

Out: 83.648+/-0.011 χ^2/NDF:3301533.1/52

All: 83.511+/-0.008 χ^2/NDF: 6045002.7/97



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

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

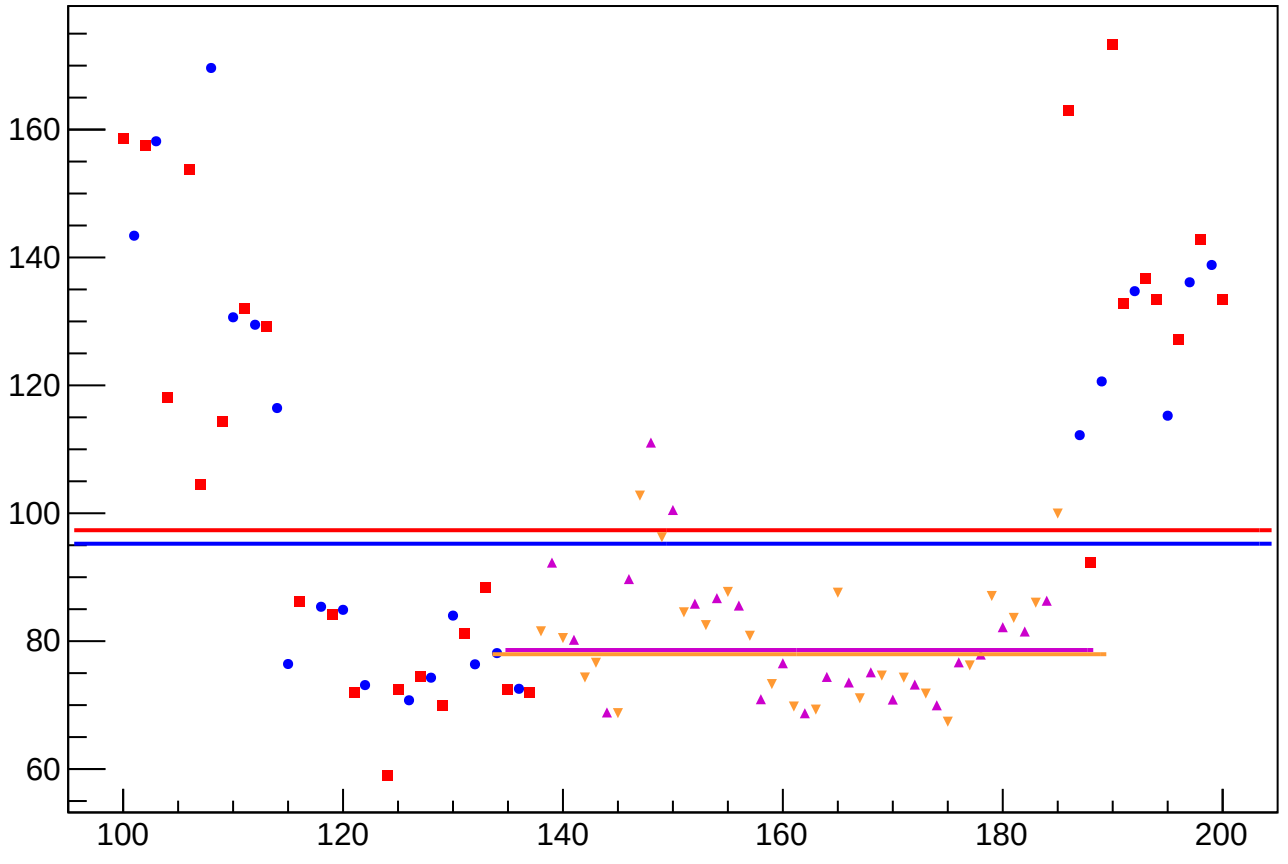
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.003+/-0.020 χ^2/NDF: 68.3/49

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.009+/-0.011 χ^2/NDF: 113.8/97



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

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

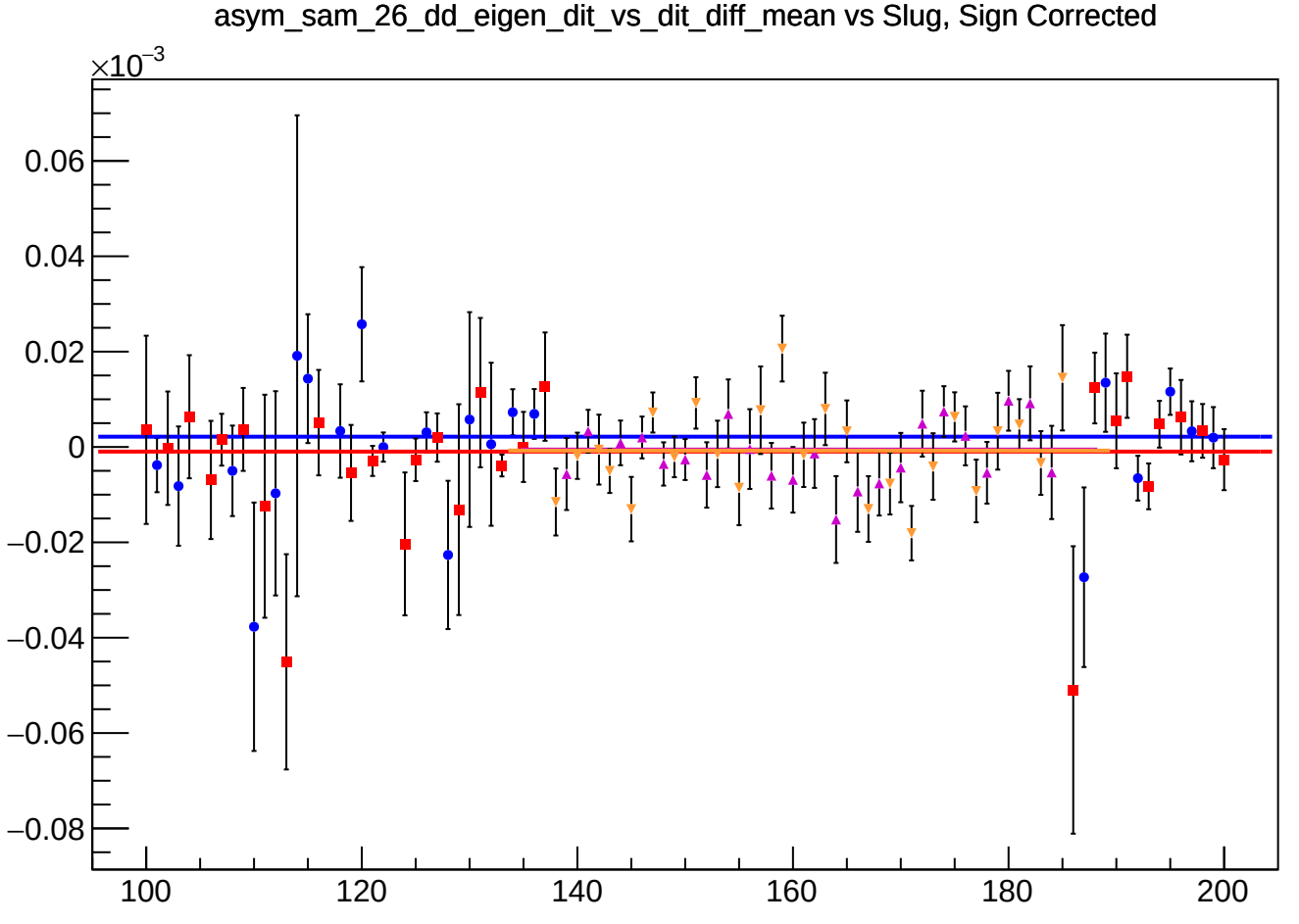
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 96.354+/-0.014 χ^2/NDF: 3962662.9/49

In: 83.361+/-0.011 χ^2/NDF:2743120.5/44

Out: 83.648+/-0.011 χ^2/NDF:3301533.1/52

All: 83.511+/-0.008 χ^2/NDF: 6045002.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

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

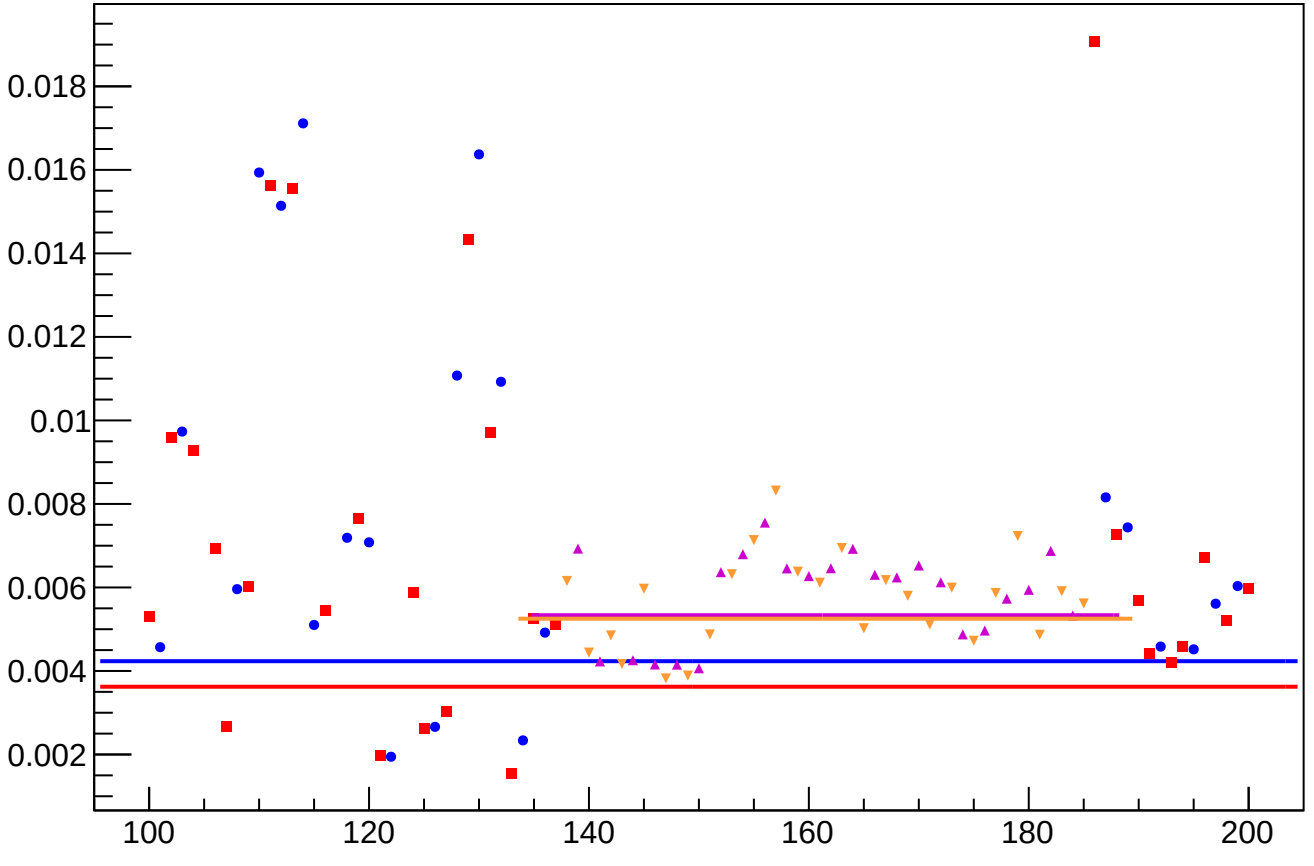
Right: 0.000+/-0.000 χ^2/NDF: 55.7/49

In: 0.000+/-0.000 χ^2/NDF:46.4/44

Out: -0.000+/-0.000 χ^2/NDF:74.7/52

All: -0.000+/-0.000 χ^2/NDF: 122.5/97

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5379211.1/21

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

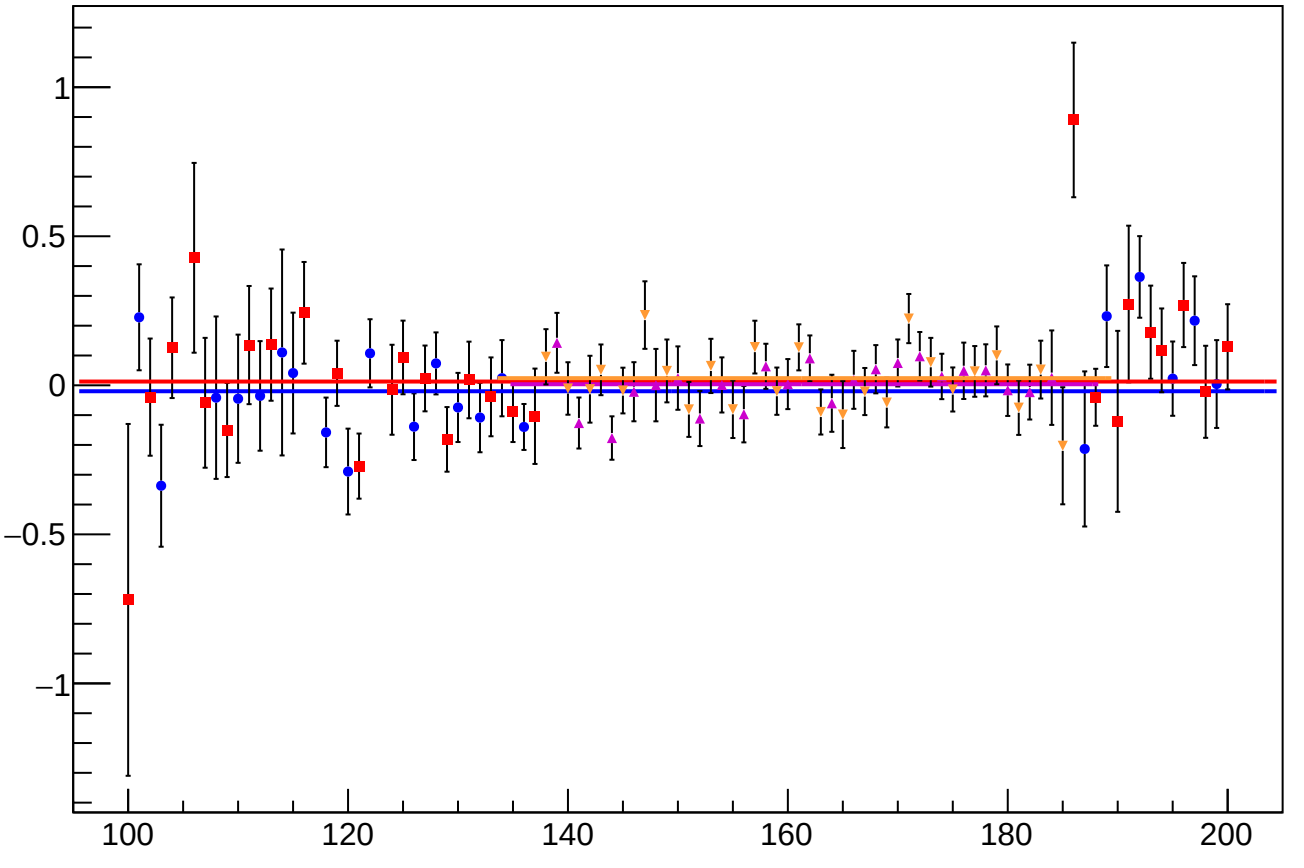
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 13545166.8/49

In: 0.005+/-0.000 χ^2/NDF:7535744.3/44

Out: 0.004+/-0.000 χ^2/NDF:11288473.0/52

All: 0.005+/-0.000 χ^2/NDF: 19057420.4/97



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

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

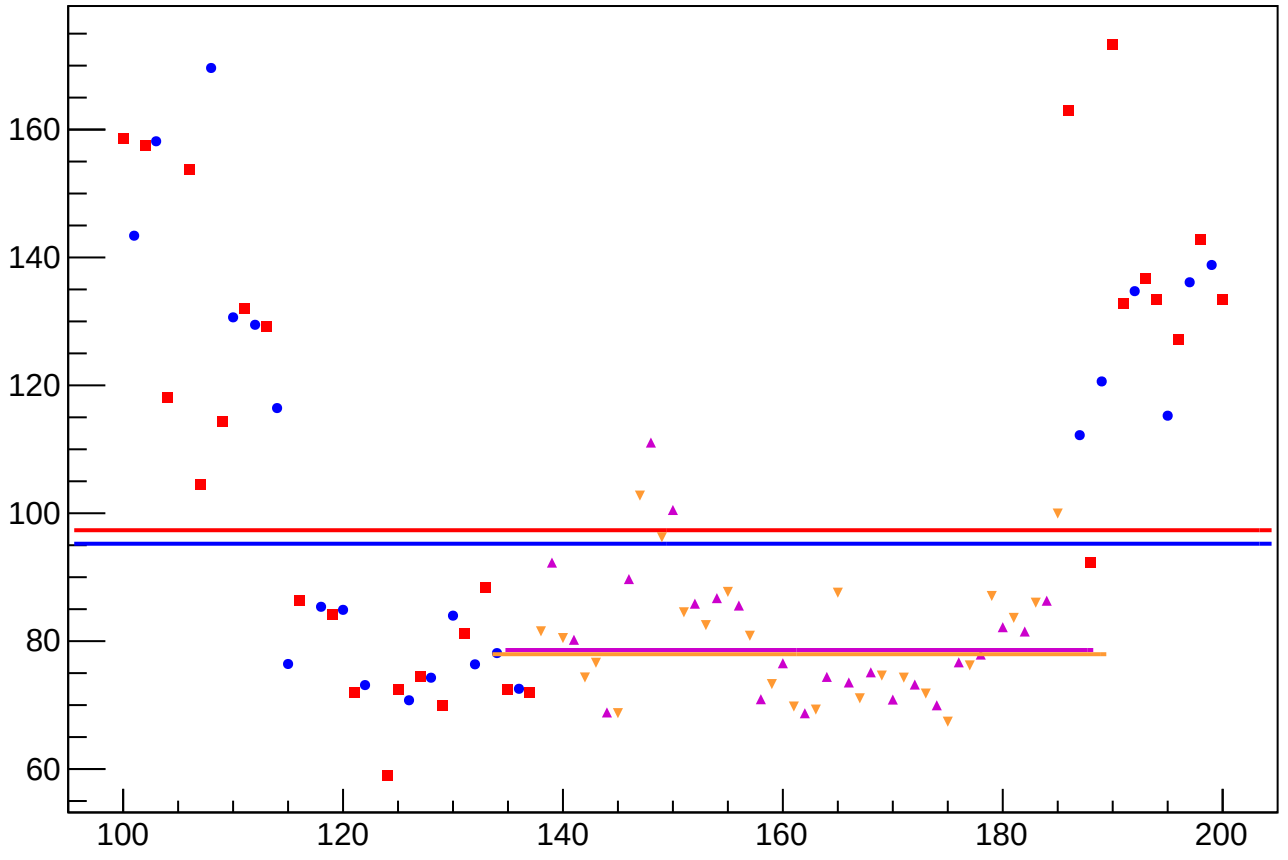
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.003+/-0.020 χ^2/NDF: 68.3/49

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.009+/-0.011 χ^2/NDF: 113.8/97



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

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

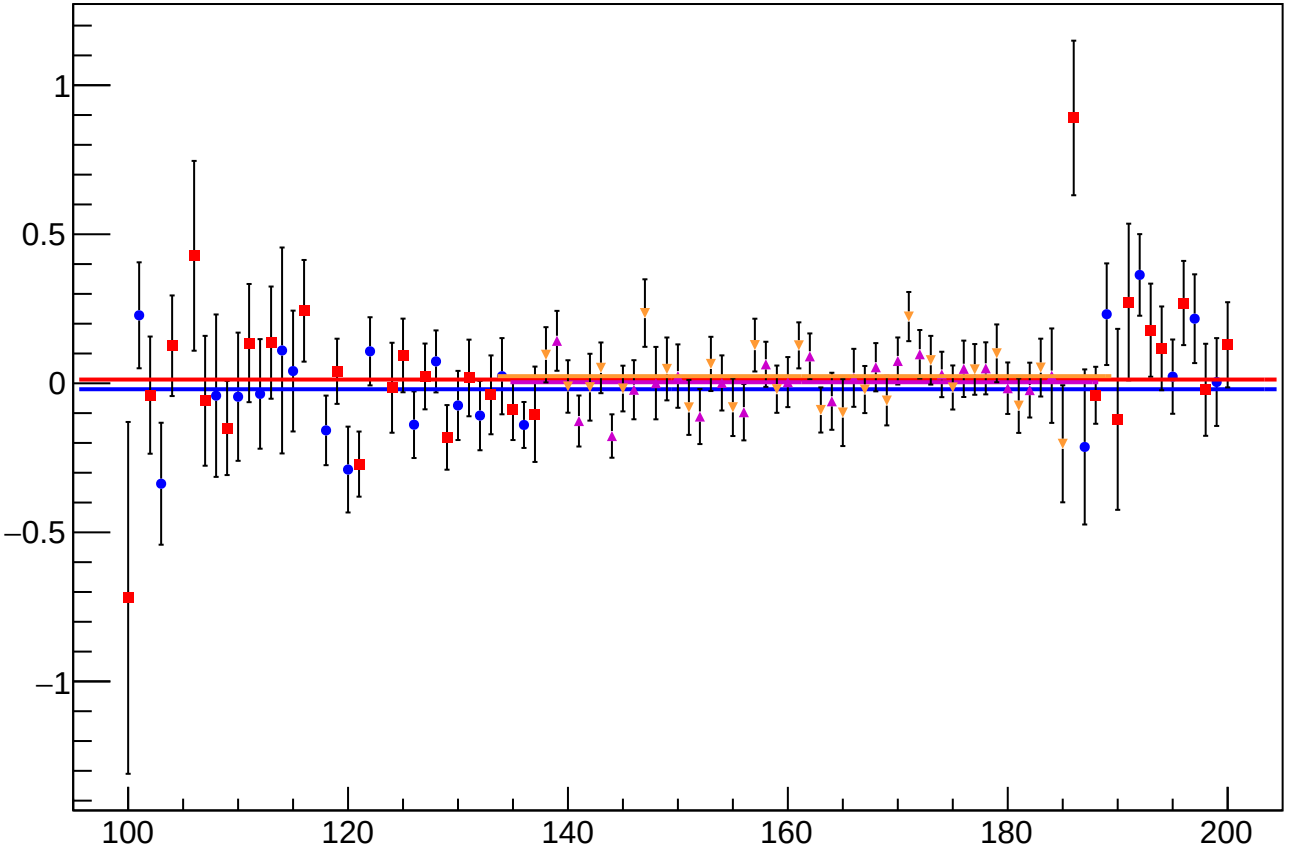
Right: 96.351+/-0.014 χ^2/NDF: 3962793.0/49

In: 83.360+/-0.011 χ^2/NDF:2743148.5/44

Out: 83.647+/-0.011 χ^2/NDF:3301540.2/52

All: 83.510+/-0.008 χ^2/NDF: 6045038.5/97

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

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

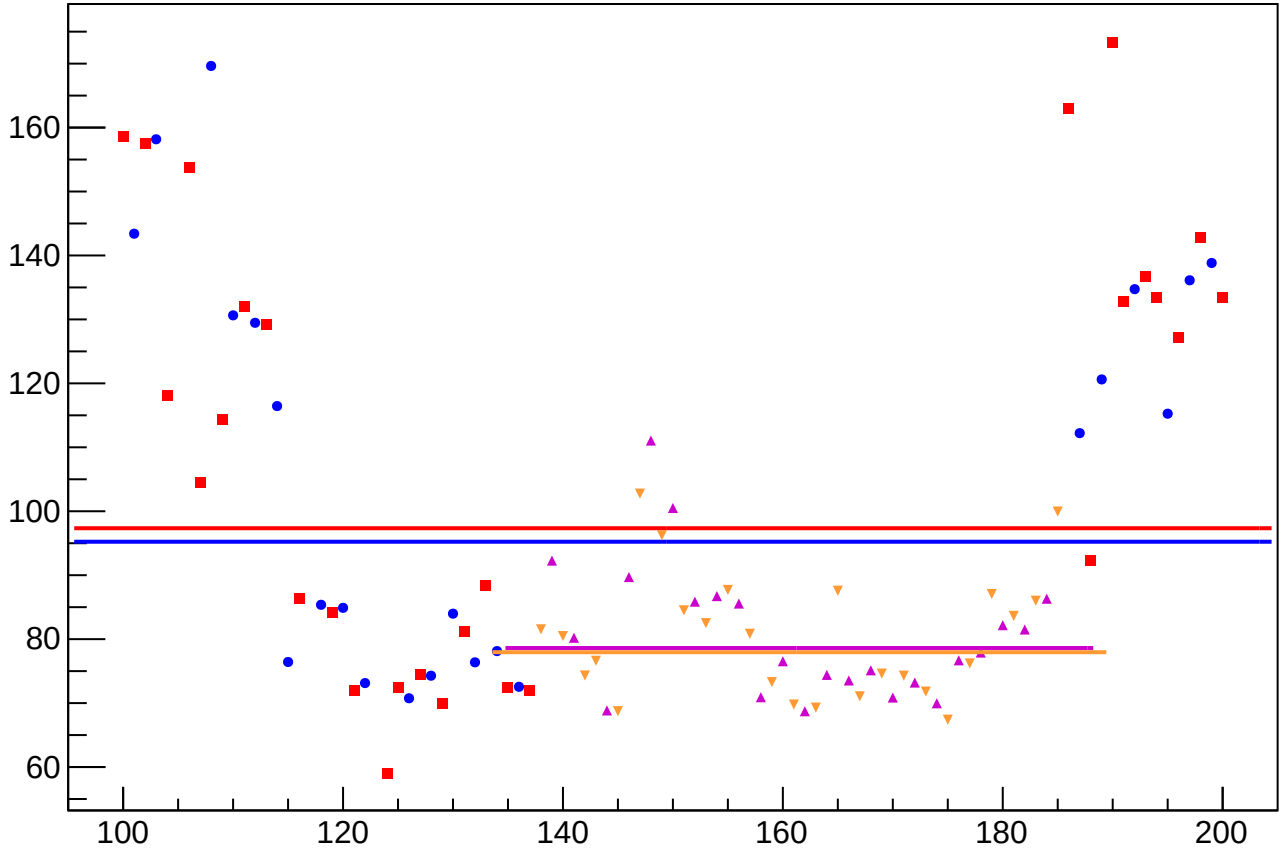
Right: -0.003+/-0.020 χ^2/NDF: 68.3/49

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.021+/-0.015 χ^2/NDF:64.0/52

All: 0.009+/-0.011 χ^2/NDF: 113.8/97

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

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

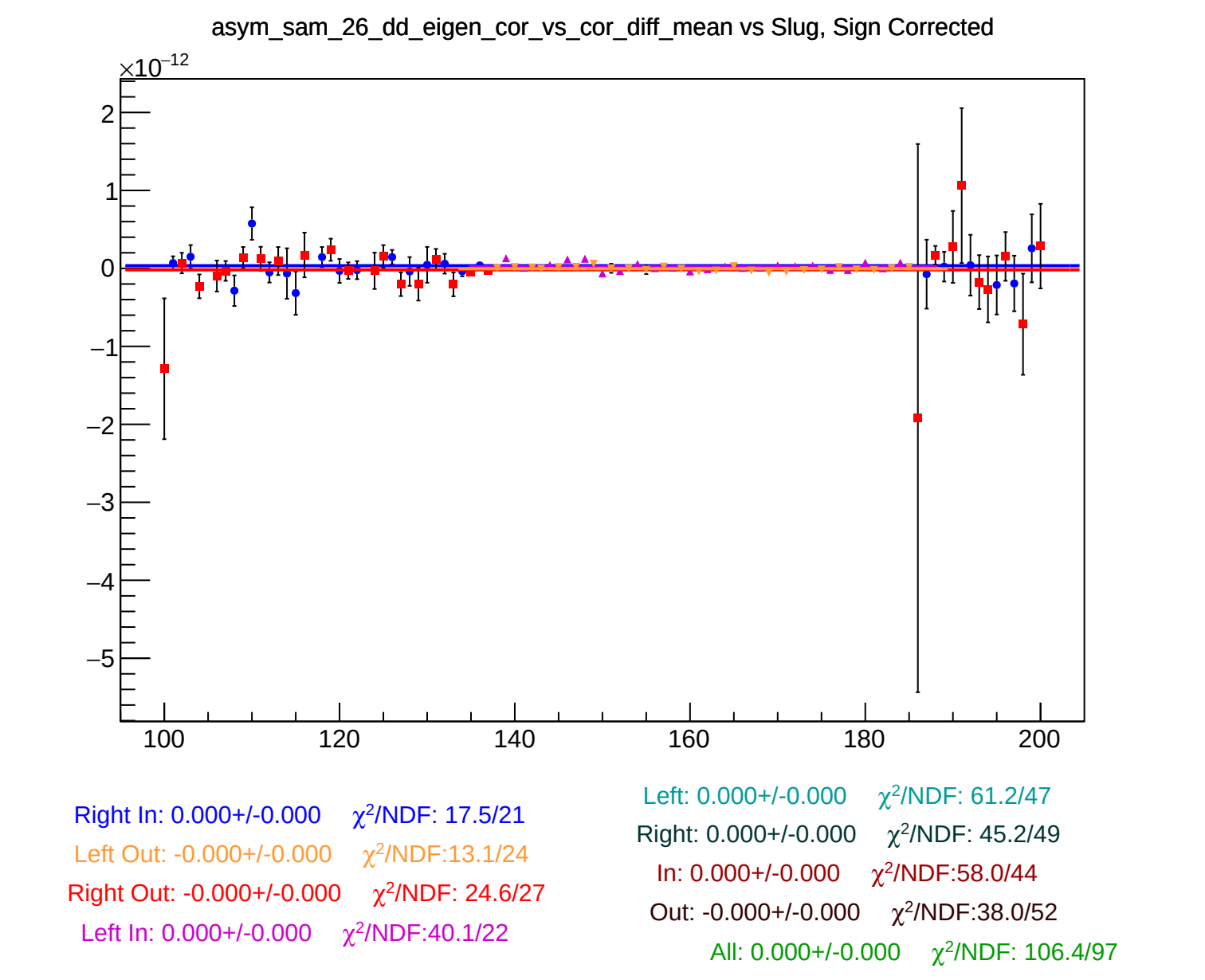
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

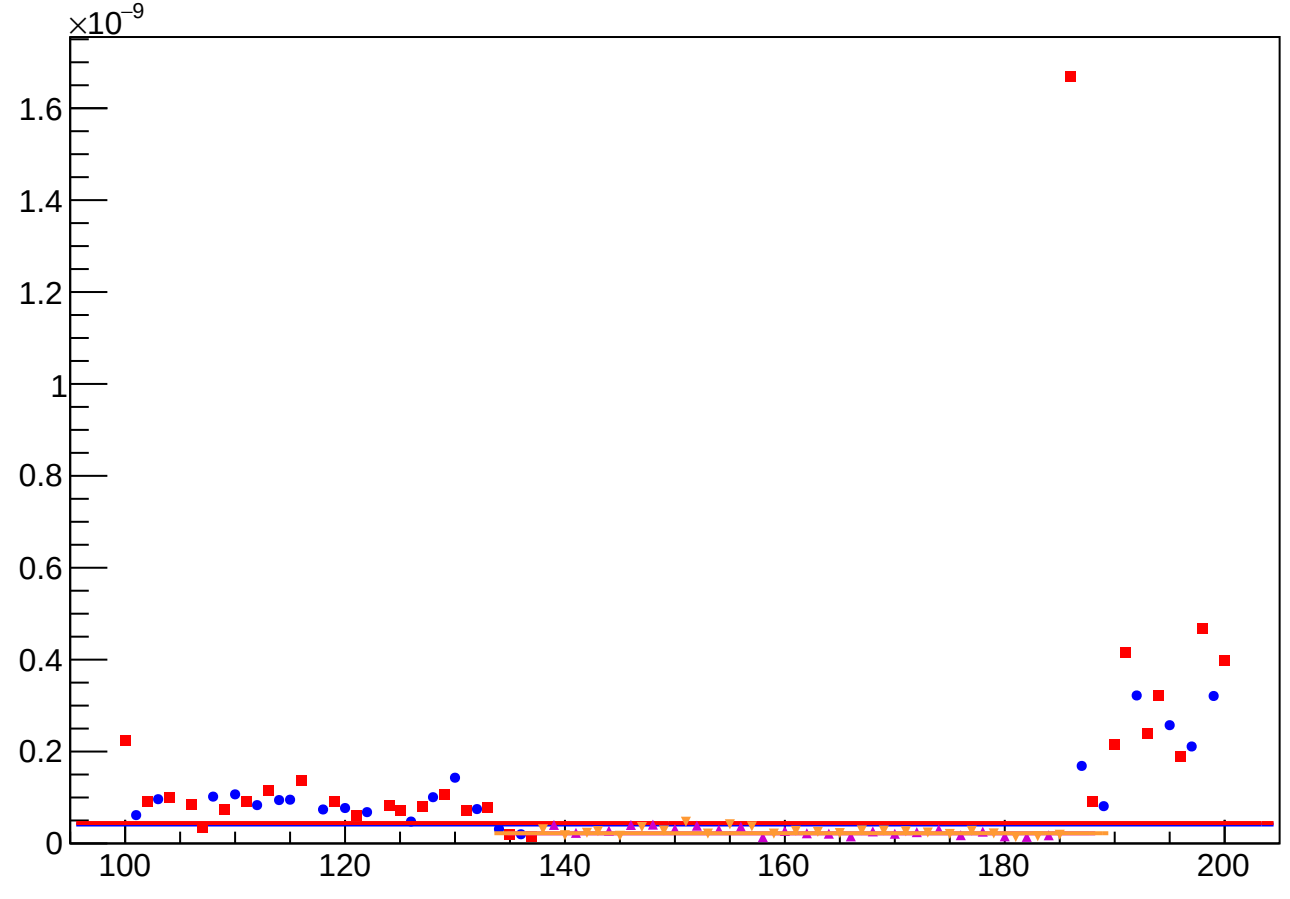
Right: 96.351+/-0.014 χ^2/NDF: 3962793.0/49

In: 83.360+/-0.011 χ^2/NDF:2743148.5/44

Out: 83.647+/-0.011 χ^2/NDF:3301540.2/52

All: 83.510+/-0.008 χ^2/NDF: 6045038.5/97


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: 17.5/21
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: 45.2/49
In: 0.000+/-0.000 χ²/NDF:58.0/44
Out: -0.000+/-0.000 χ²/NDF:38.0/52
All: 0.000+/-0.000 χ²/NDF: 106.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 6732607.5/21

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

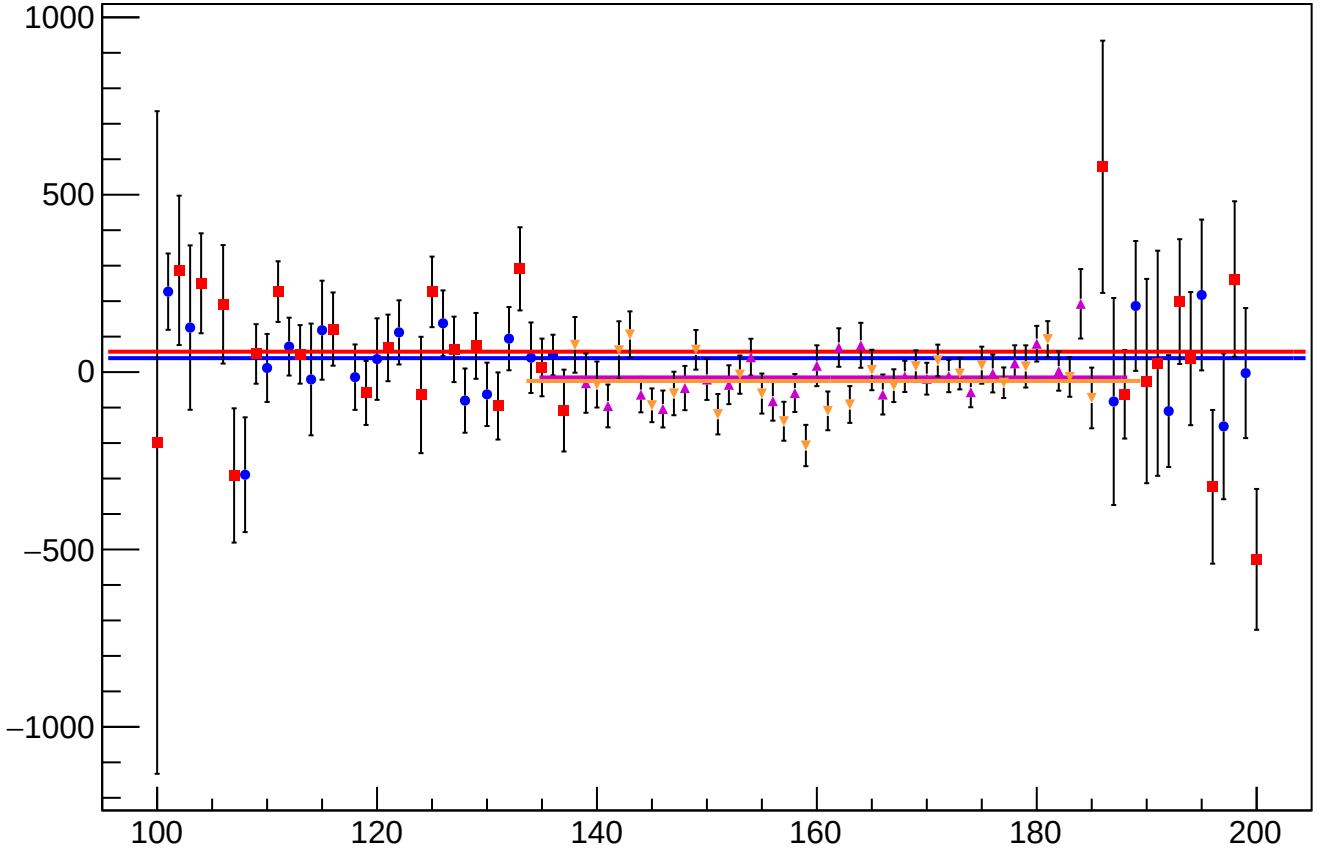
Right: 0.000+/-0.000 χ^2/NDF: 15937426.2/49

In: 0.000+/-0.000 χ^2/NDF:11153612.6/44

Out: 0.000+/-0.000 χ^2/NDF:13430491.8/52

All: 0.000+/-0.000 χ^2/NDF: 24584932.5/97

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 39.337+/-23.162 χ^2/NDF: 16.9/21

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

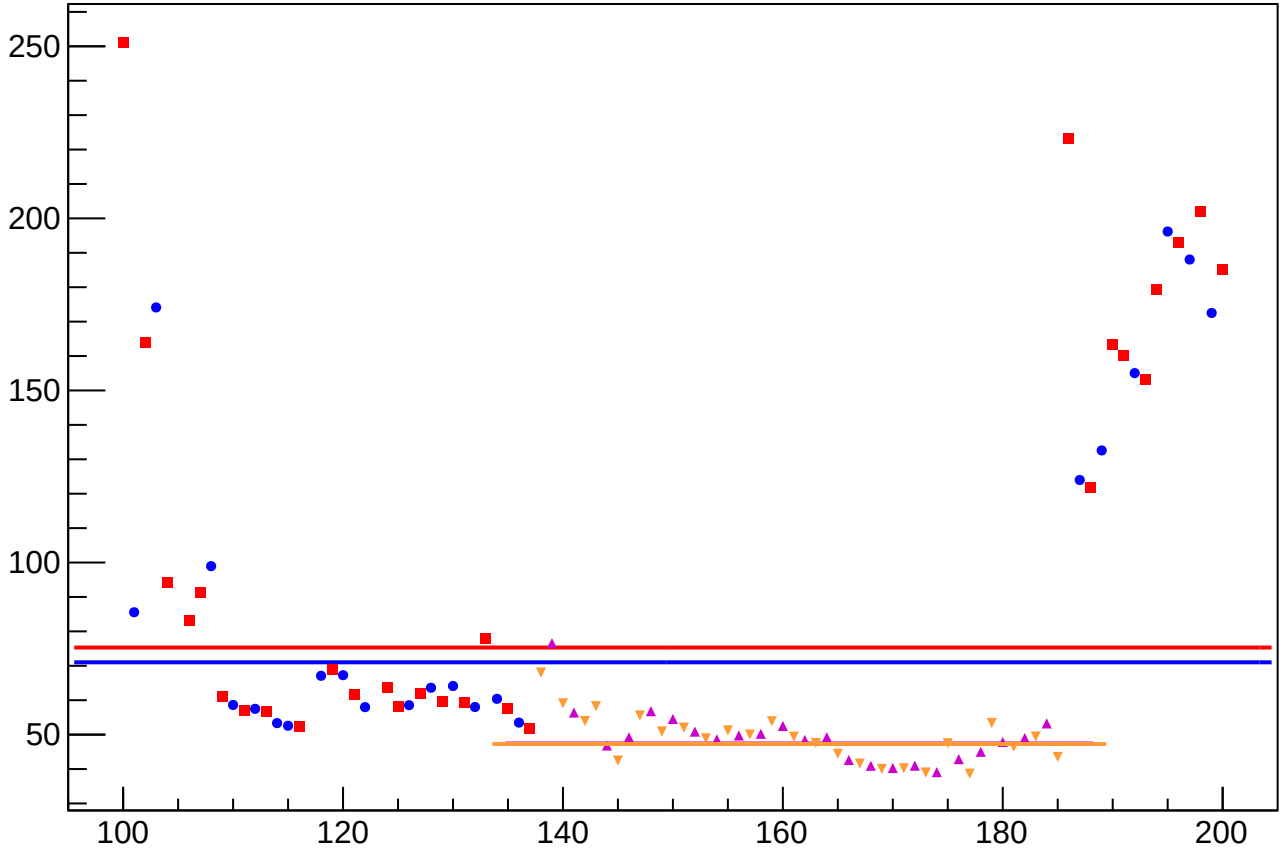
Right: 48.537+/-16.301 χ^2/NDF: 59.3/49

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -9.816+/-9.836 χ^2/NDF:95.7/52

All: -7.311+/-7.045 χ^2/NDF: 142.0/97

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 71.009+/-0.016 χ^2/NDF: 3819228.2/21

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

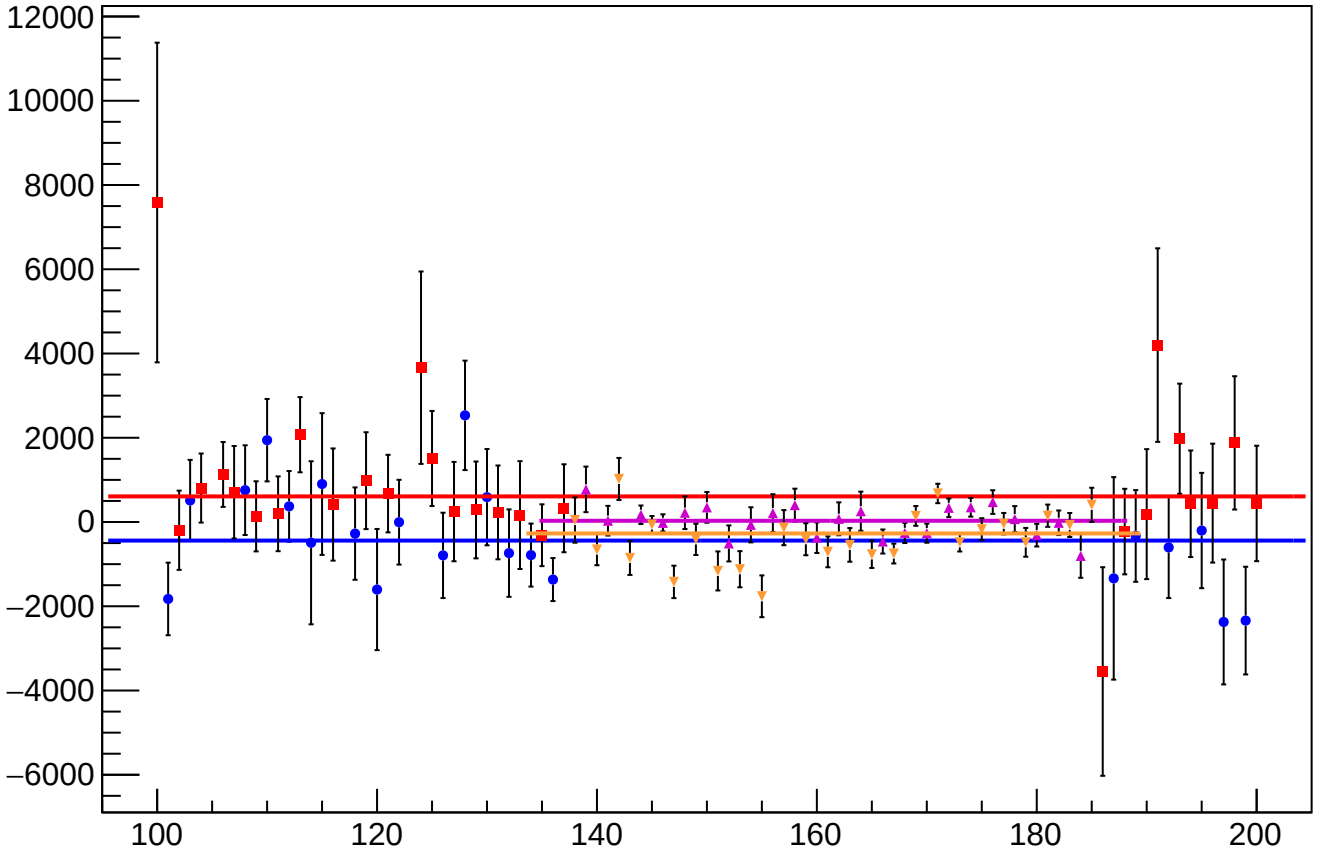
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 73.176+/-0.012 χ^2/NDF: 8969399.6/49

In: 51.906+/-0.007 χ^2/NDF:6154530.0/44

Out: 52.433+/-0.007 χ^2/NDF:8266934.0/52

All: 52.176+/-0.005 χ^2/NDF: 14424256.8/97



Right In: -440.508+/-218.777 χ^2/NDF: 27.1/21

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

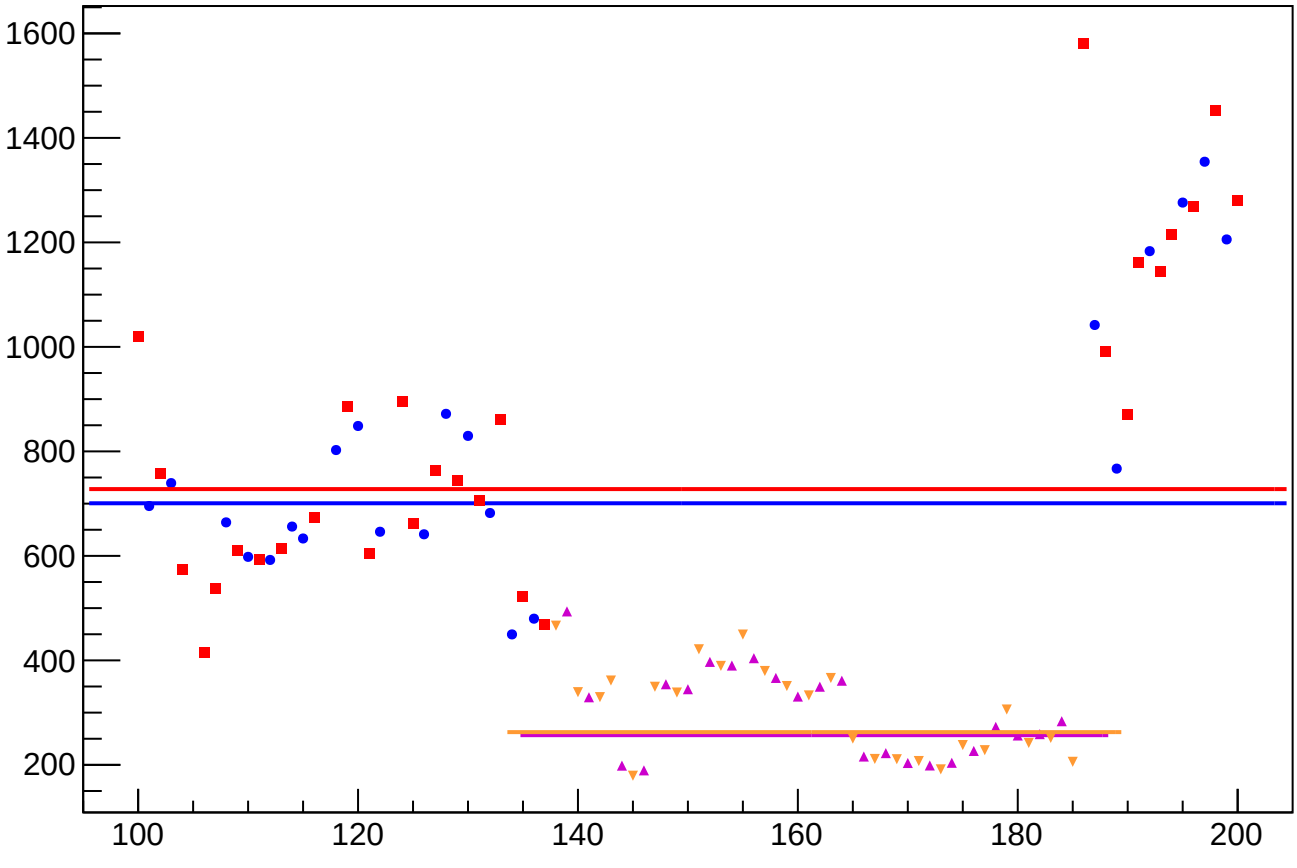
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 105.671+/-151.448 χ^2/NDF: 59.3/49

In: -6.420+/-60.247 χ^2/NDF:55.7/44

Out: -199.723+/-59.764 χ^2/NDF:110.3/52

All: -103.850+/-42.430 χ^2/NDF: 171.2/97



Right In: 700.690+/-0.155 χ^2/NDF: 2201589.6/21

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

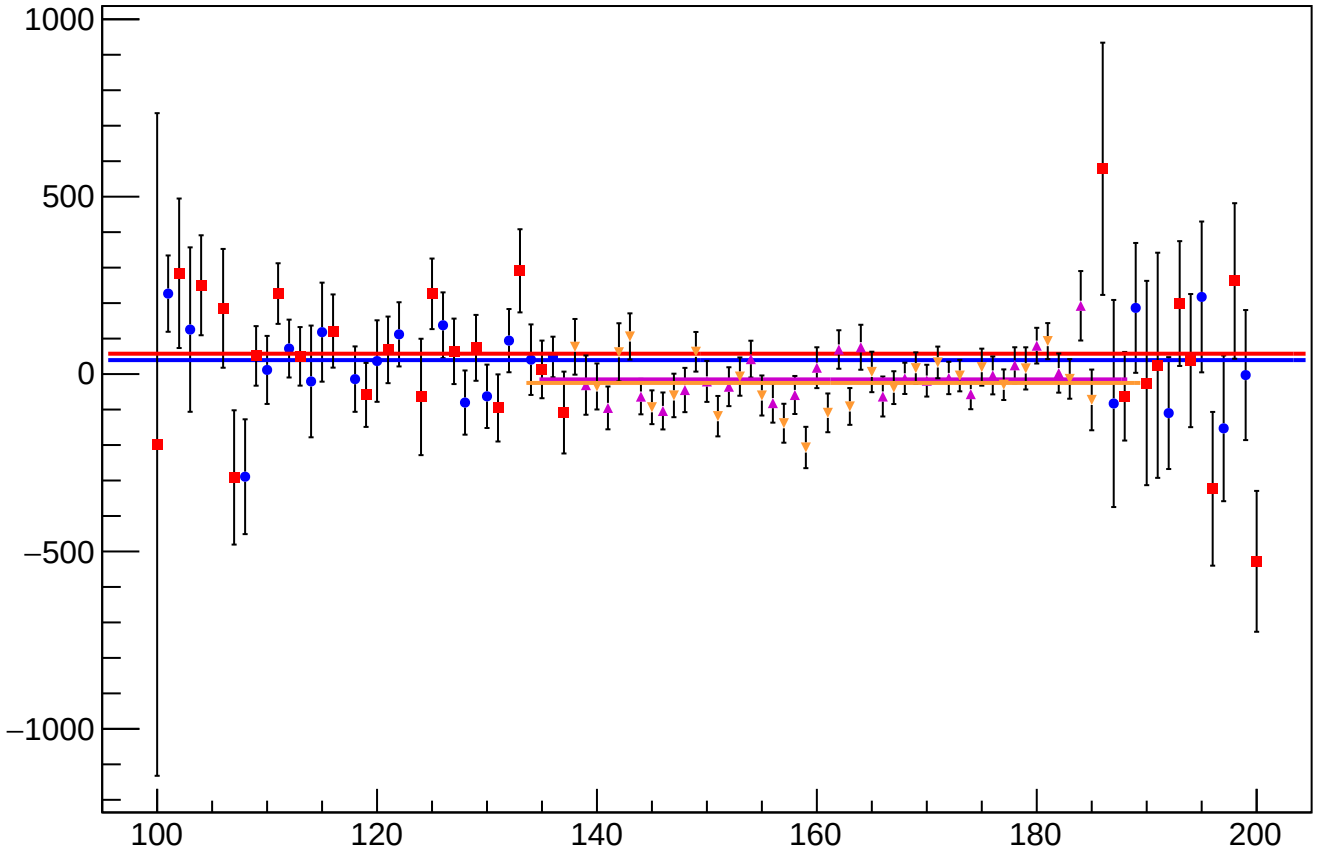
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 714.829+/-0.107 χ^2/NDF: 5207781.7/49

In: 290.502+/-0.043 χ^2/NDF:12448341.7/44

Out: 300.403+/-0.042 χ^2/NDF:14912371.6/52

All: 295.492+/-0.030 χ^2/NDF: 27387940.1/97



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

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

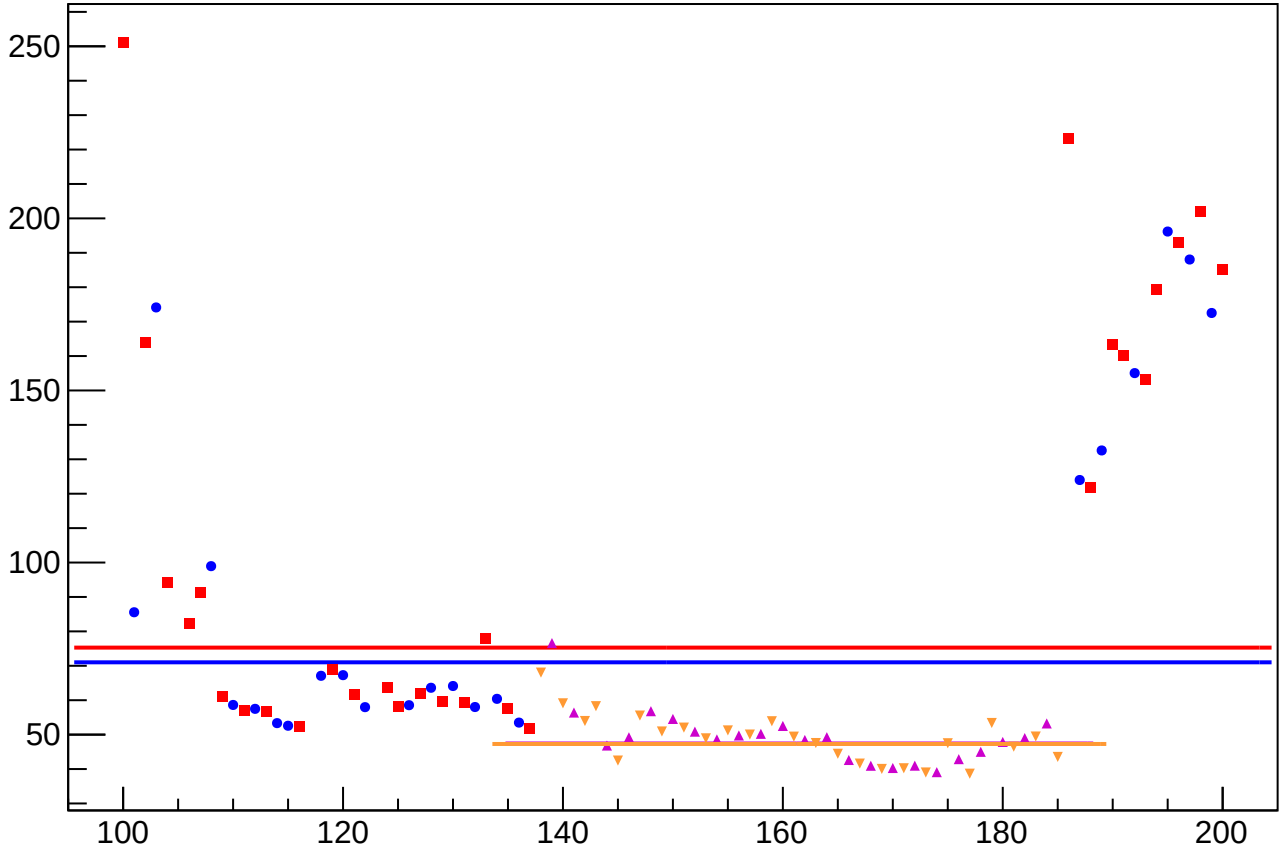
Right: 48.452+/-16.301 χ^2/NDF: 59.2/49

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -9.845+/-9.836 χ^2/NDF:95.6/52

All: -7.325+/-7.045 χ^2/NDF: 141.8/97

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

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

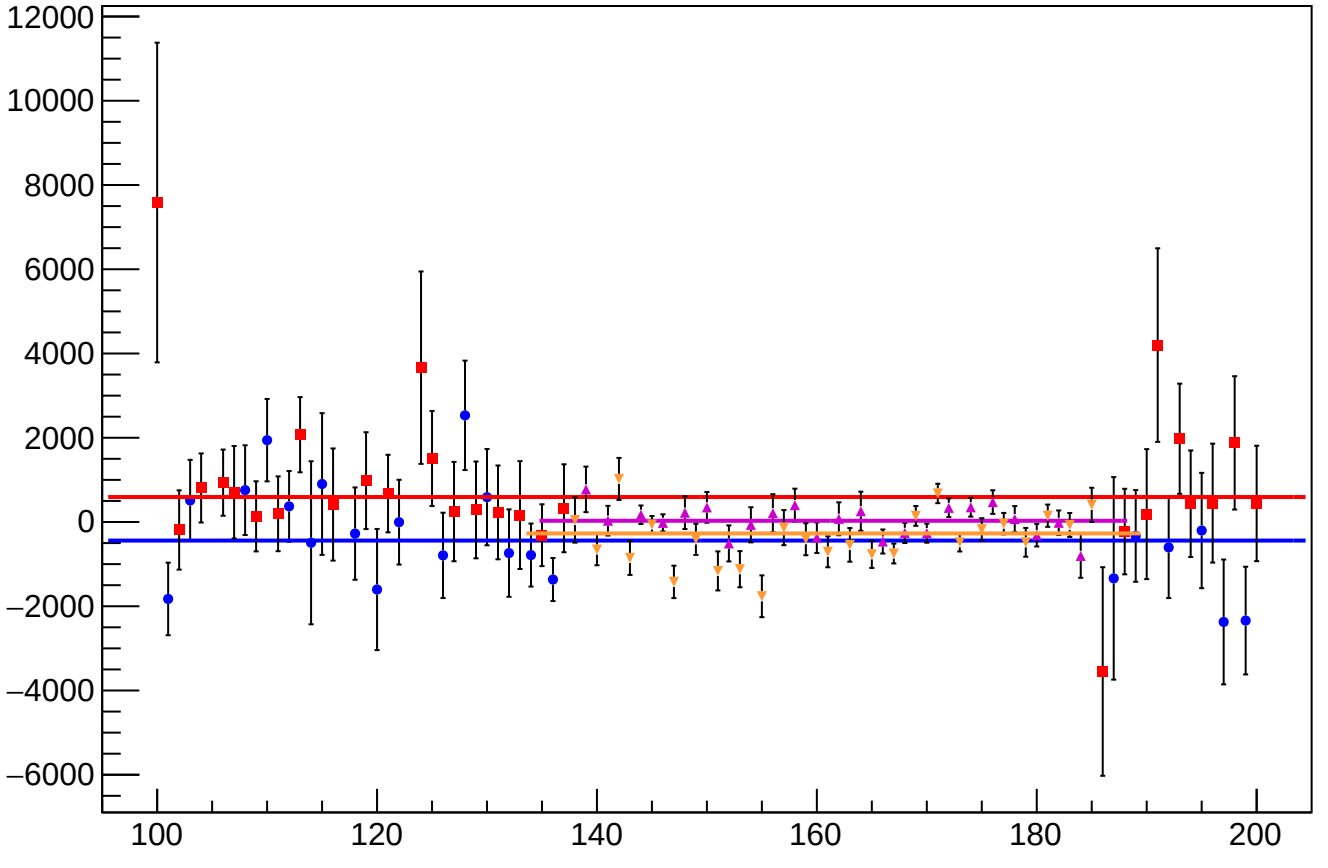
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 73.166+/-0.012 χ^2/NDF: 8968153.0/49

In: 51.906+/-0.007 χ^2/NDF:6154531.8/44

Out: 52.429+/-0.007 χ^2/NDF:8262311.7/52

All: 52.174+/-0.005 χ^2/NDF: 14419592.6/97



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

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

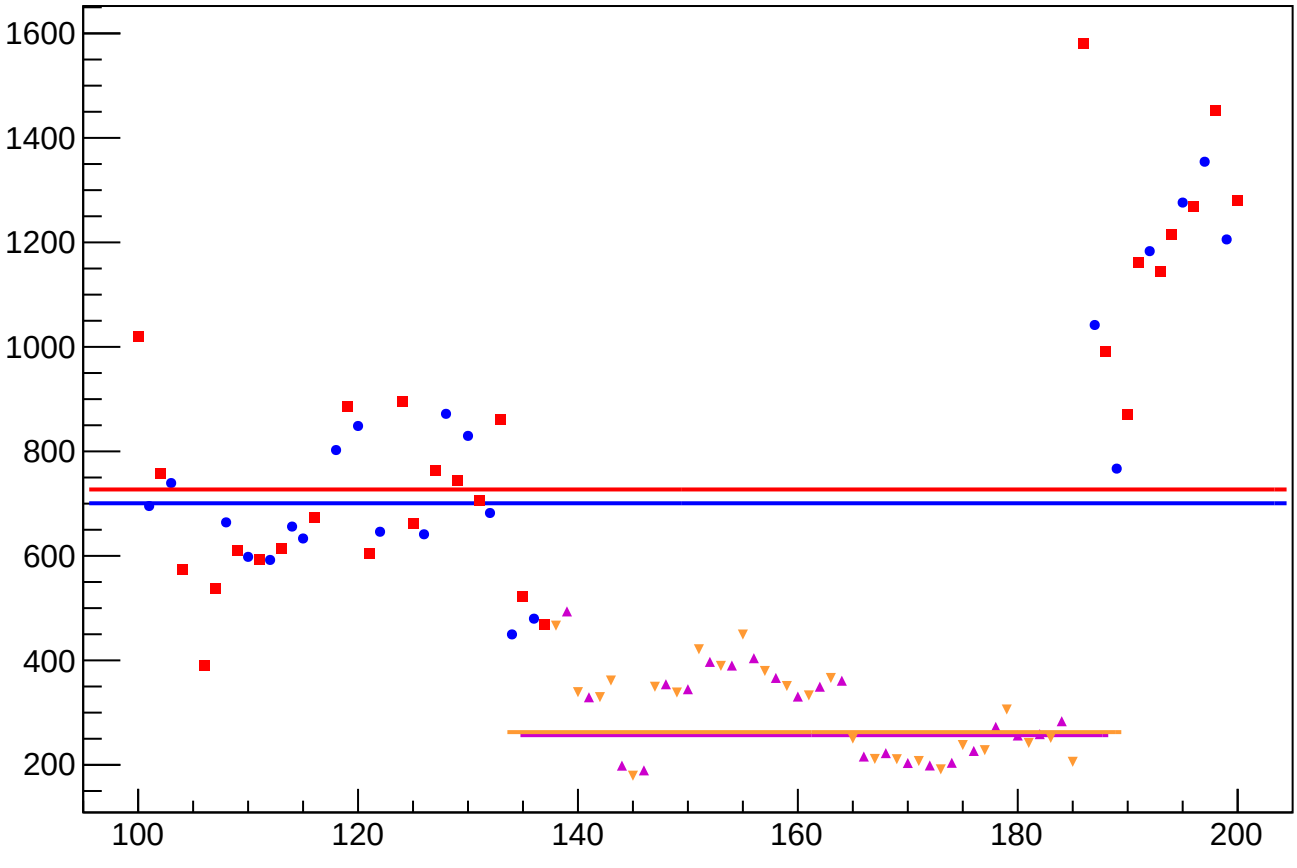
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 97.075+/-151.567 χ^2/NDF: 58.7/49

In: -6.418+/-60.247 χ^2/NDF:55.7/44

Out: -201.130+/-59.772 χ^2/NDF:109.4/52

All: -104.546+/-42.432 χ^2/NDF: 170.4/97



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

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

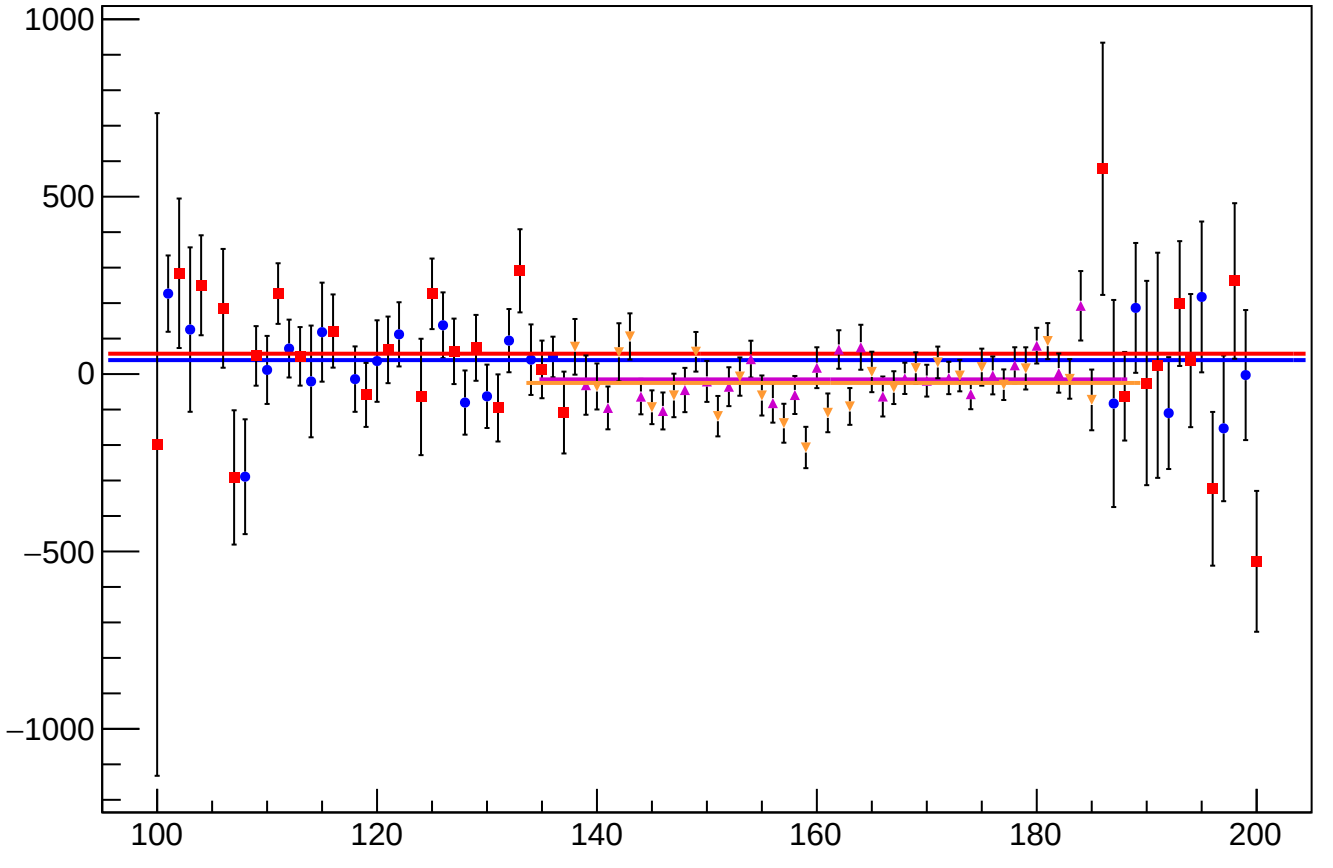
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 714.430+/-0.107 χ^2/NDF: 5243413.6/49

In: 290.502+/-0.043 χ^2/NDF:12448384.4/44

Out: 300.240+/-0.042 χ^2/NDF:14895667.4/52

All: 295.409+/-0.030 χ^2/NDF: 27370384.2/97



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

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

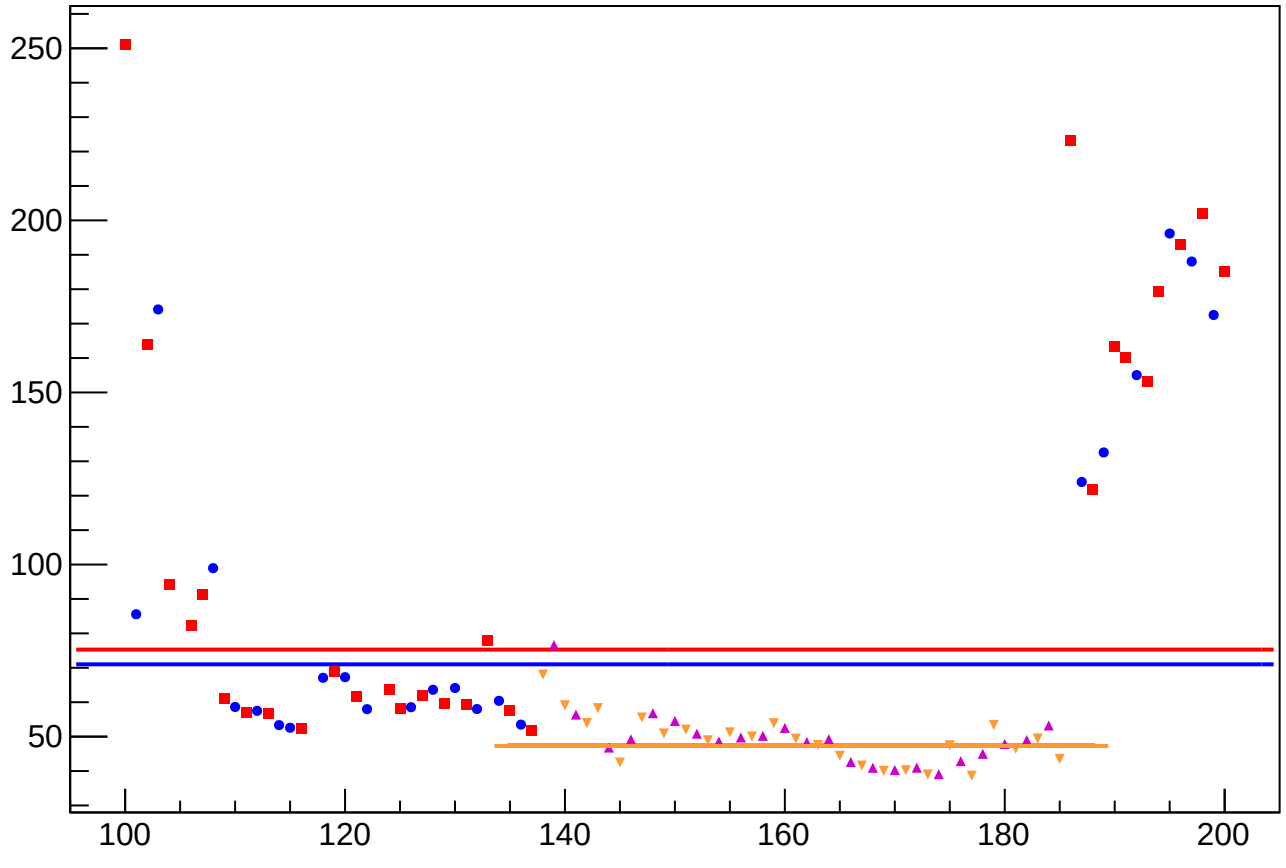
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 48.452+/-16.301 χ^2/NDF: 59.2/49

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -9.845+/-9.836 χ^2/NDF:95.6/52

All: -7.325+/-7.045 χ^2/NDF: 141.8/97



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

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

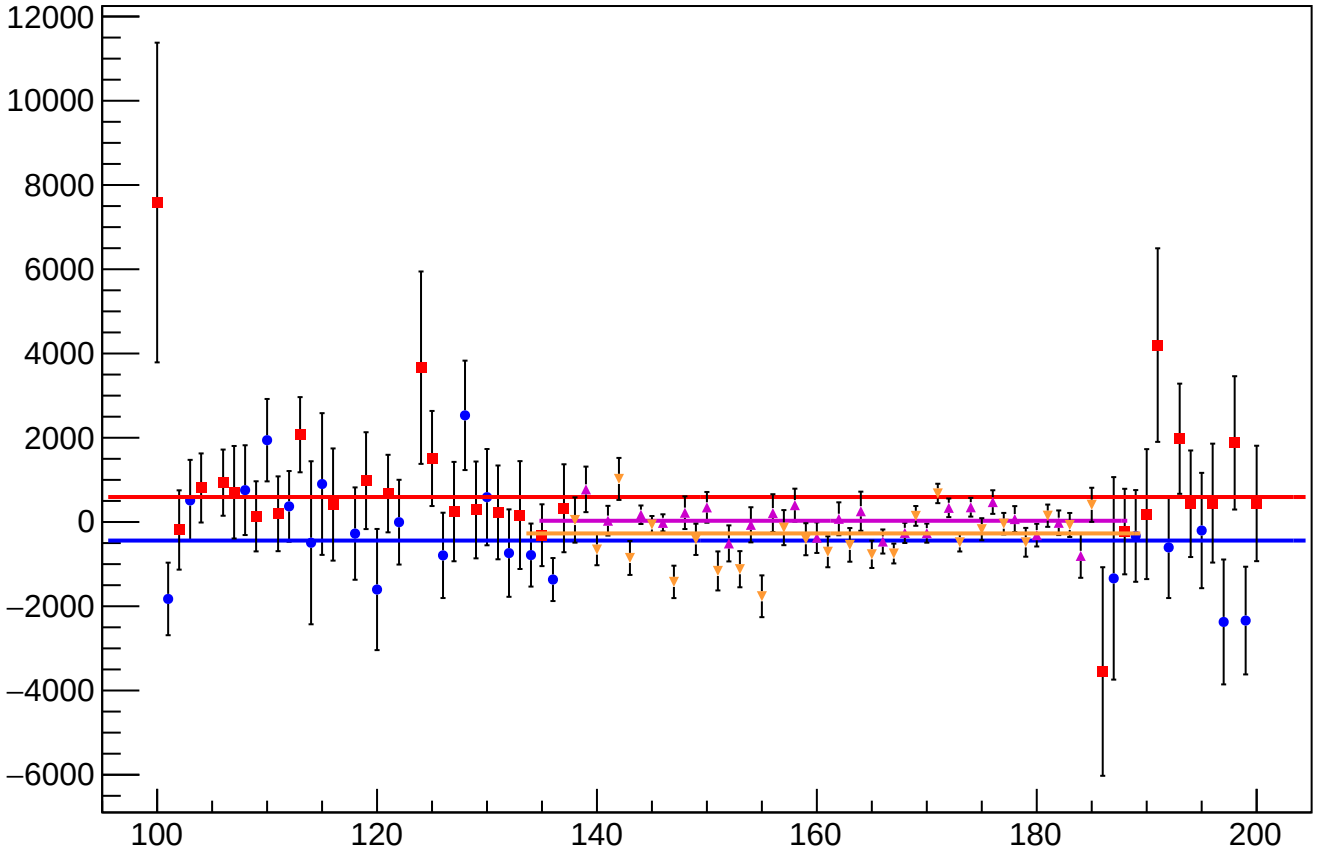
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 73.166+/-0.012 χ^2/NDF: 8968153.0/49

In: 51.906+/-0.007 χ^2/NDF:6154531.8/44

Out: 52.429+/-0.007 χ^2/NDF:8262311.7/52

All: 52.174+/-0.005 χ^2/NDF: 14419592.6/97



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

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

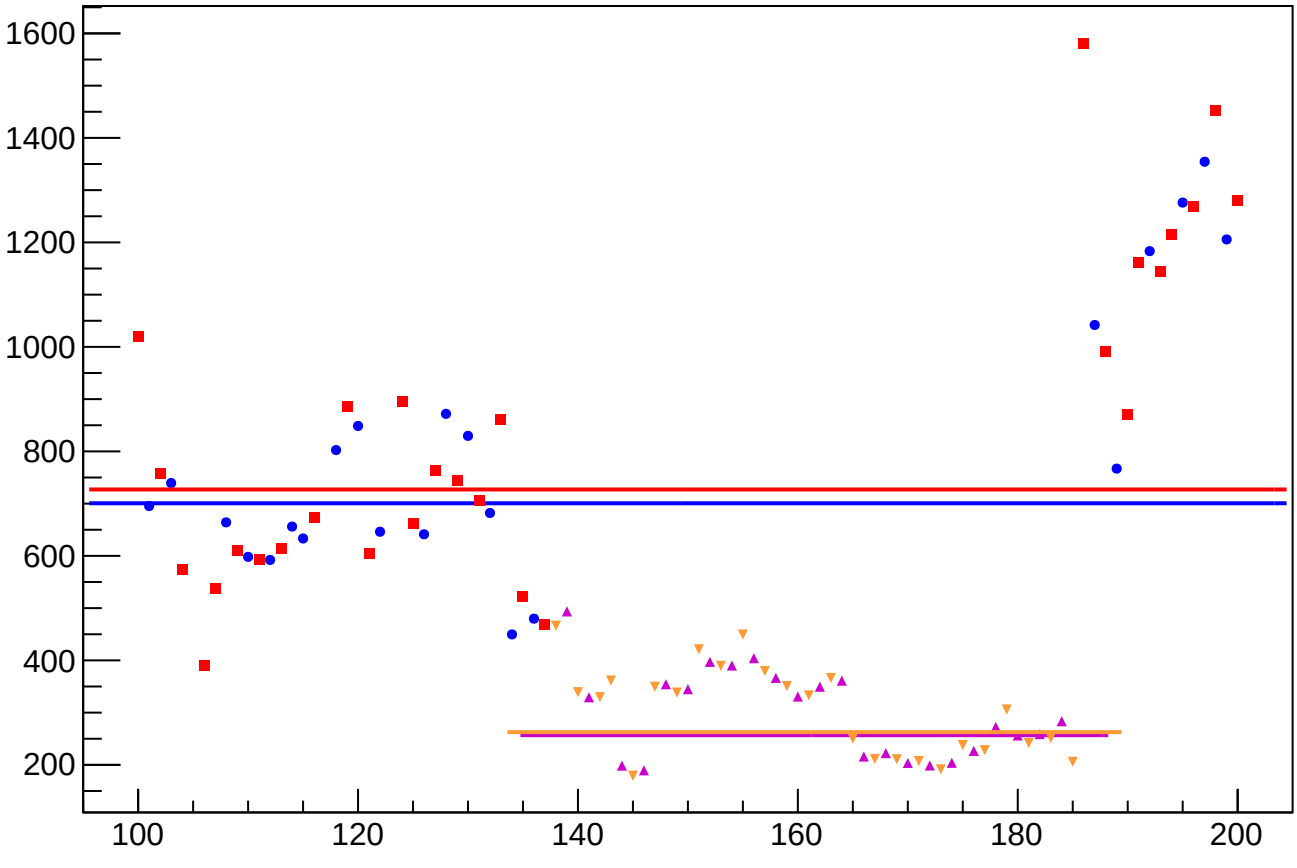
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 97.075+/-151.567 χ^2/NDF: 58.7/49

In: -6.418+/-60.247 χ^2/NDF:55.7/44

Out: -201.130+/-59.772 χ^2/NDF:109.4/52

All: -104.546+/-42.432 χ^2/NDF: 170.4/97



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

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

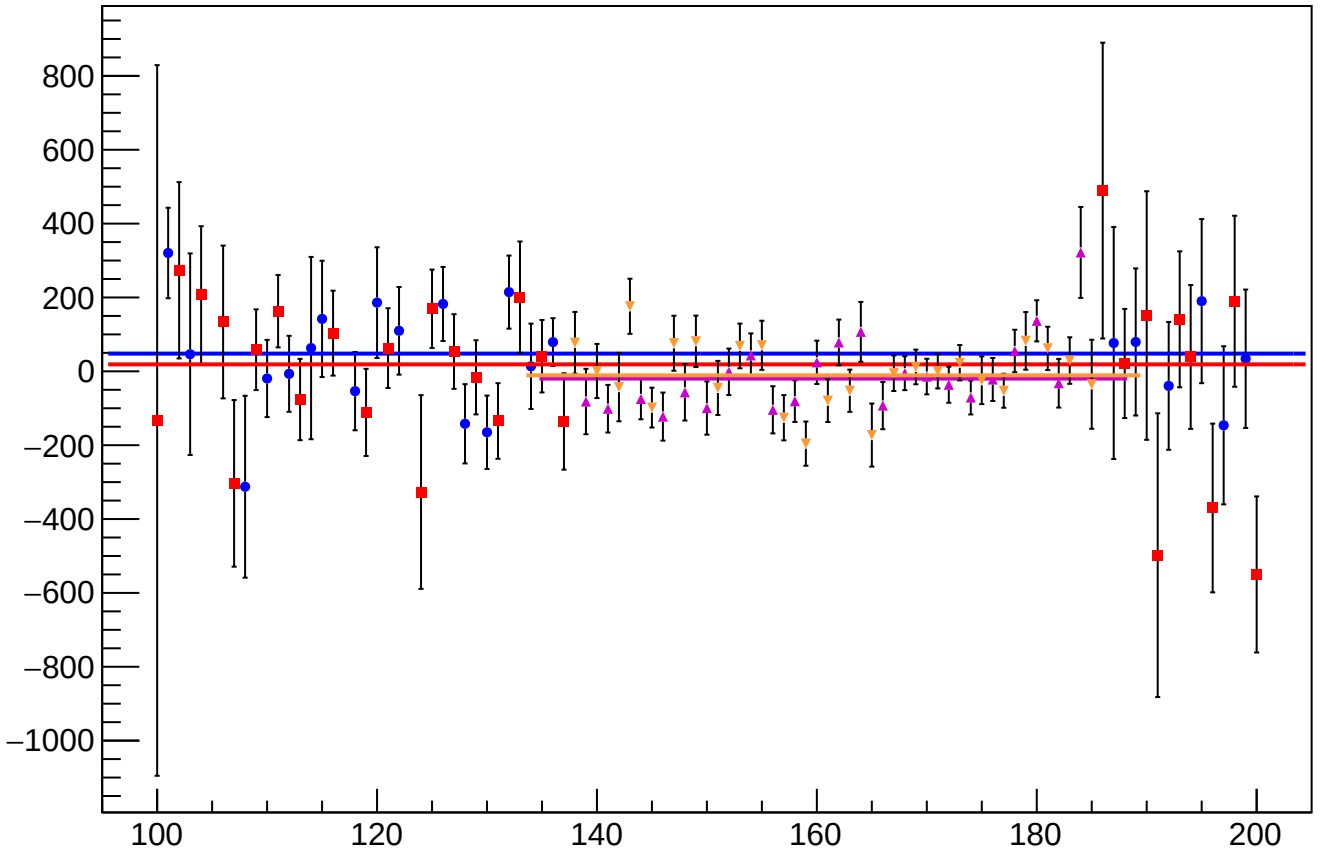
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 714.430+/-0.107 χ^2/NDF: 5243413.6/49

In: 290.502+/-0.043 χ^2/NDF:12448384.4/44

Out: 300.240+/-0.042 χ^2/NDF:14895667.4/52

All: 295.409+/-0.030 χ^2/NDF: 27370384.2/97



Right In: 47.971+/-26.856 χ^2/NDF: 24.4/21

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

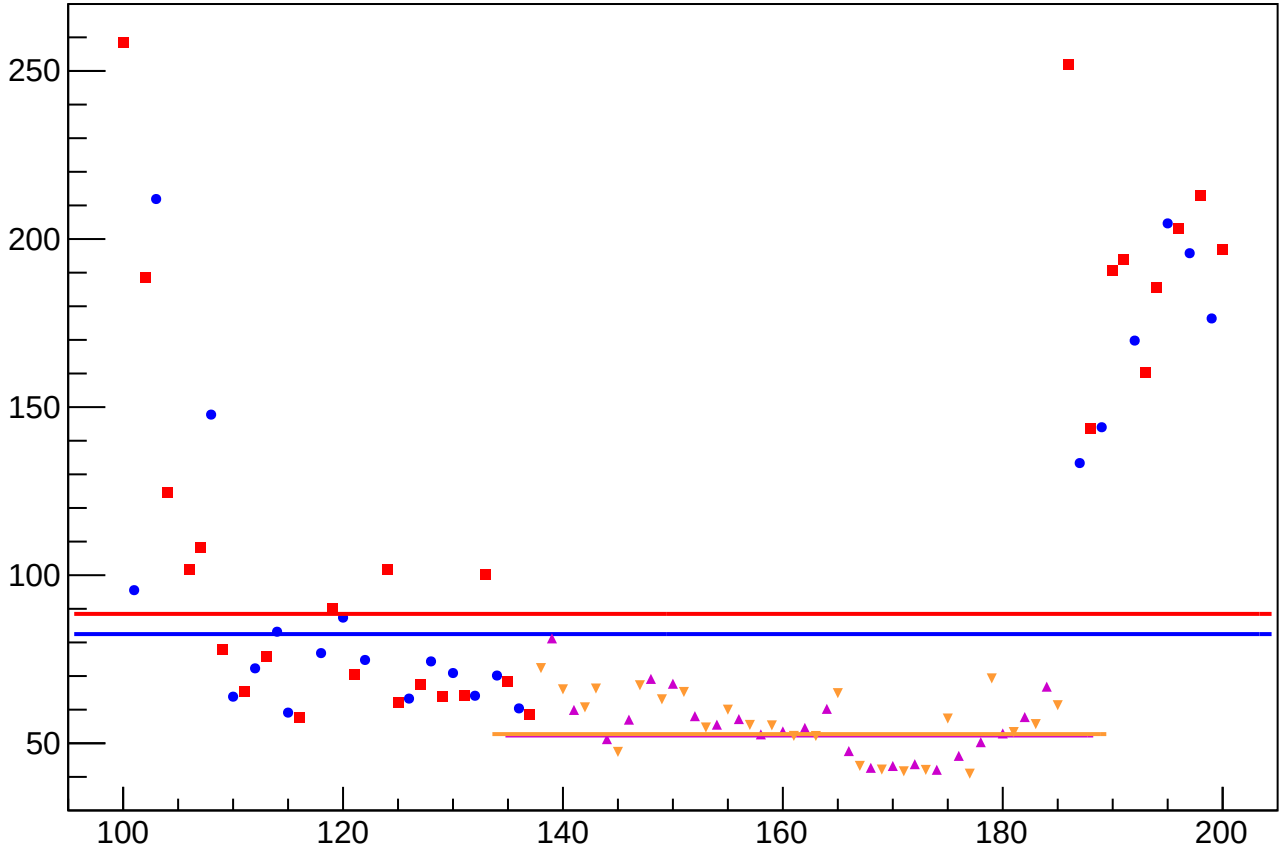
Right: 33.454+/-19.012 χ^2/NDF: 58.1/49

In: -7.494+/-11.367 χ^2/NDF:66.4/44

Out: -5.689+/-11.192 χ^2/NDF:74.5/52

All: -6.578+/-7.975 χ^2/NDF: 140.9/97

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 82.482+/-0.019 χ^2/NDF: 3611948.0/21

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

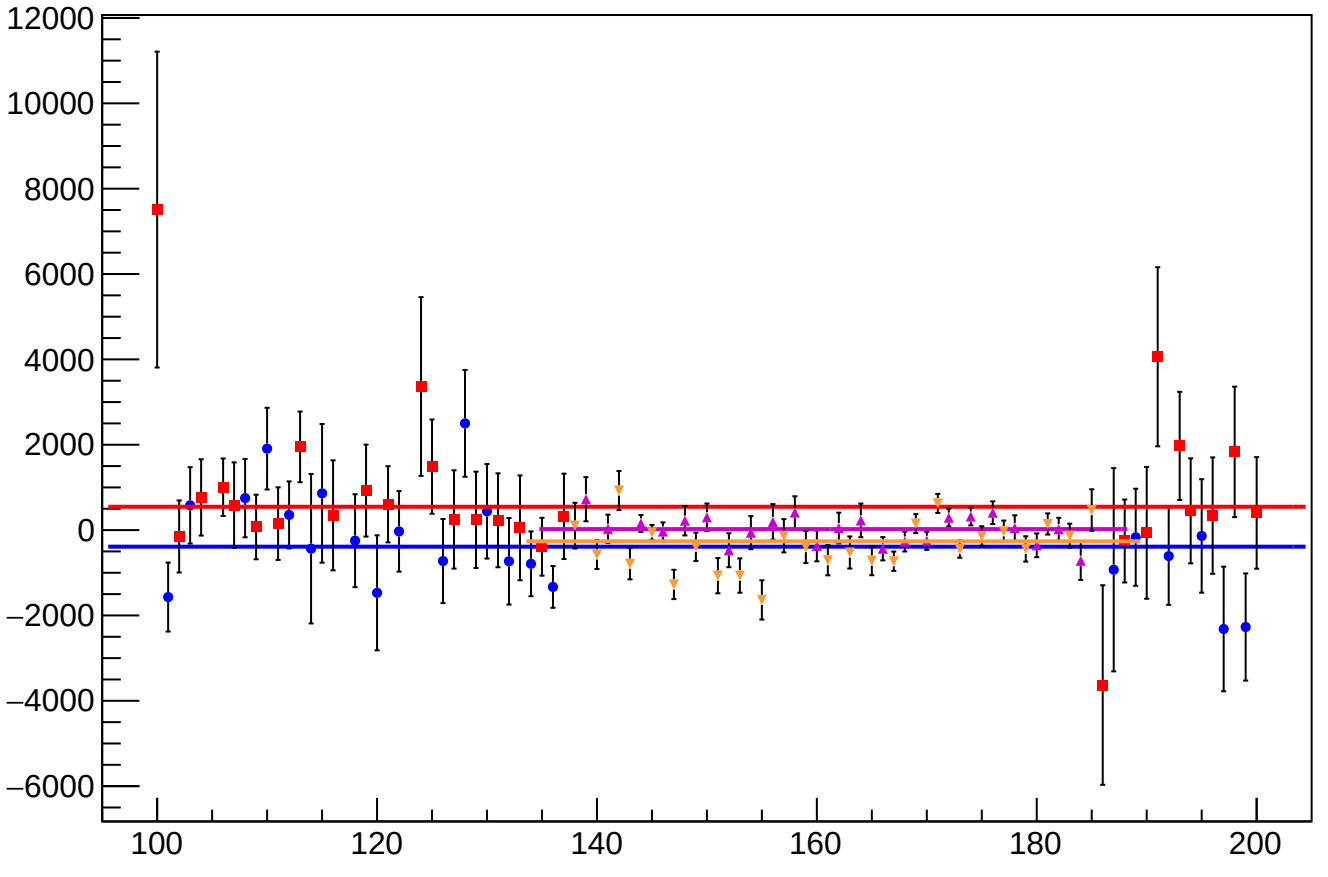
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 85.479+/-0.013 χ^2/NDF: 8539411.0/49

In: 57.718+/-0.008 χ^2/NDF:6575344.1/44

Out: 58.913+/-0.008 χ^2/NDF:8964200.3/52

All: 58.325+/-0.006 χ^2/NDF: 15550773.0/97



Right In: -388.413+/-210.077 χ^2/NDF: 27.2/21

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

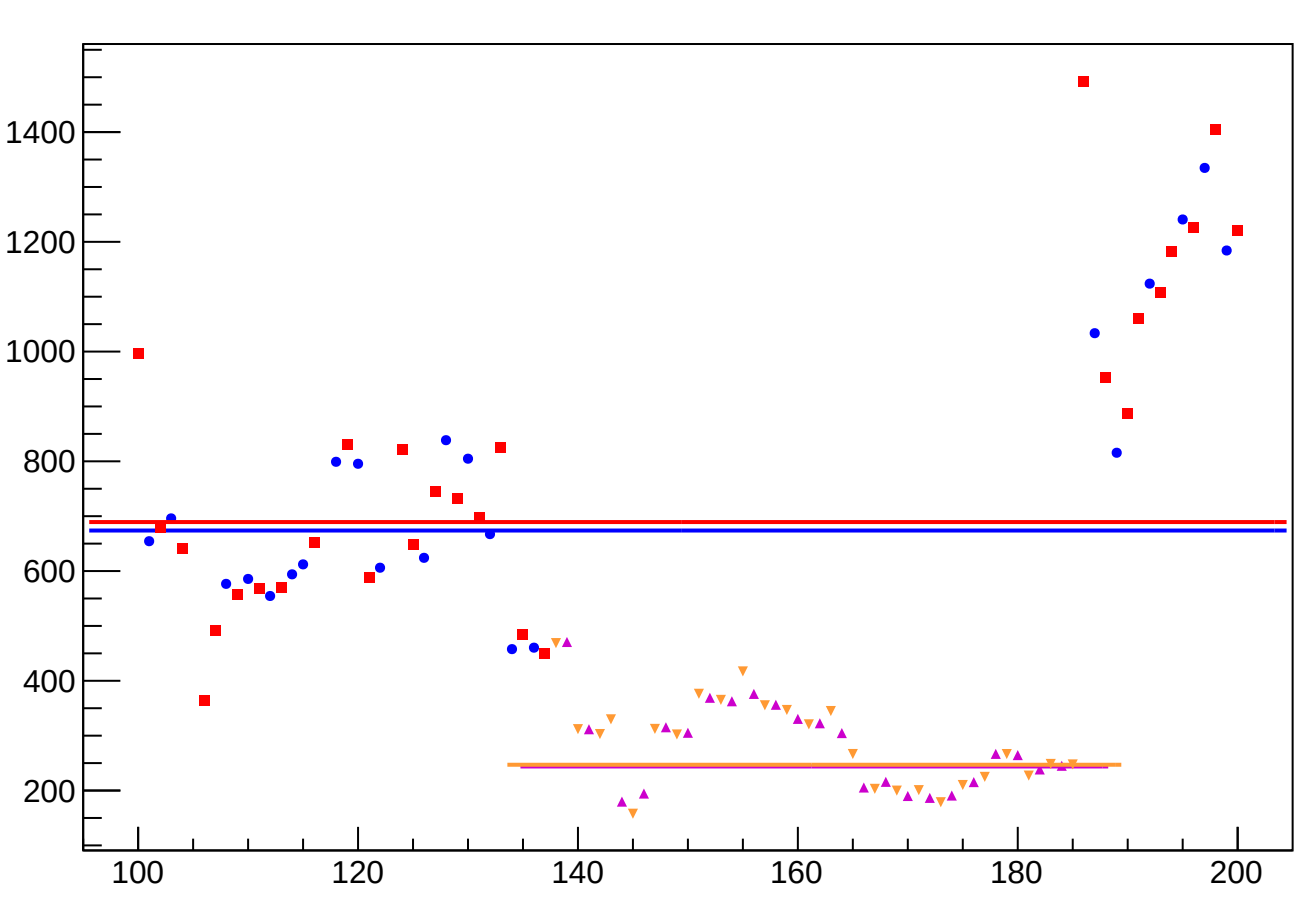
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 104.397+/-144.527 χ^2/NDF: 59.7/49

In: -7.020+/-57.156 χ^2/NDF:54.9/44

Out: -198.248+/-56.129 χ^2/NDF:109.6/52

All: -104.367+/-40.047 χ^2/NDF: 170.2/97



Right In: 673.867+/-0.149 χ^2/NDF: 2250353.1/21

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

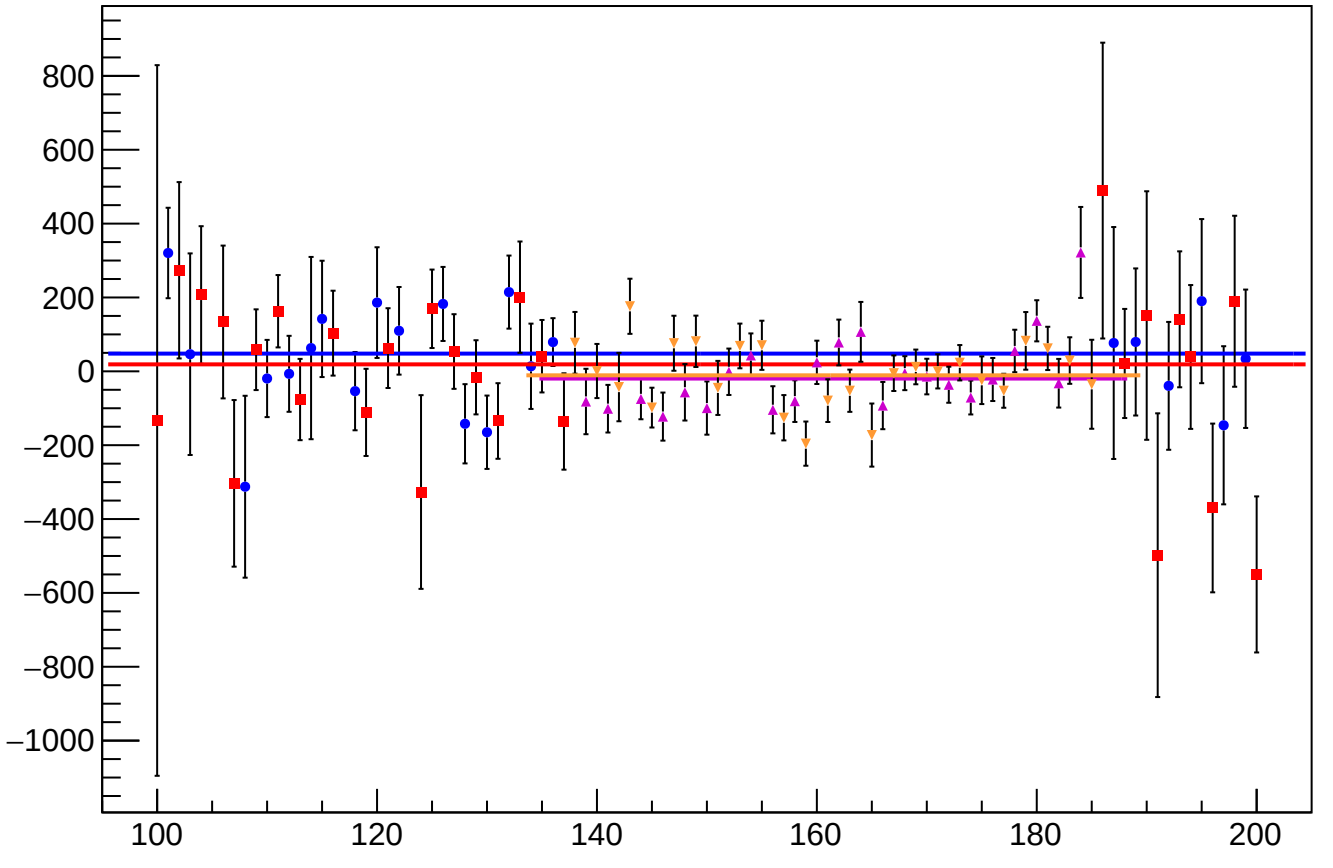
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 682.000+/-0.102 χ^2/NDF: 5465901.5/49

In: 275.658+/-0.040 χ^2/NDF:12501456.8/44

Out: 282.133+/-0.040 χ^2/NDF:15218133.2/52

All: 278.954+/-0.028 χ^2/NDF: 27732657.0/97



Right In: 47.970+/-26.856 χ^2/NDF: 24.4/21

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

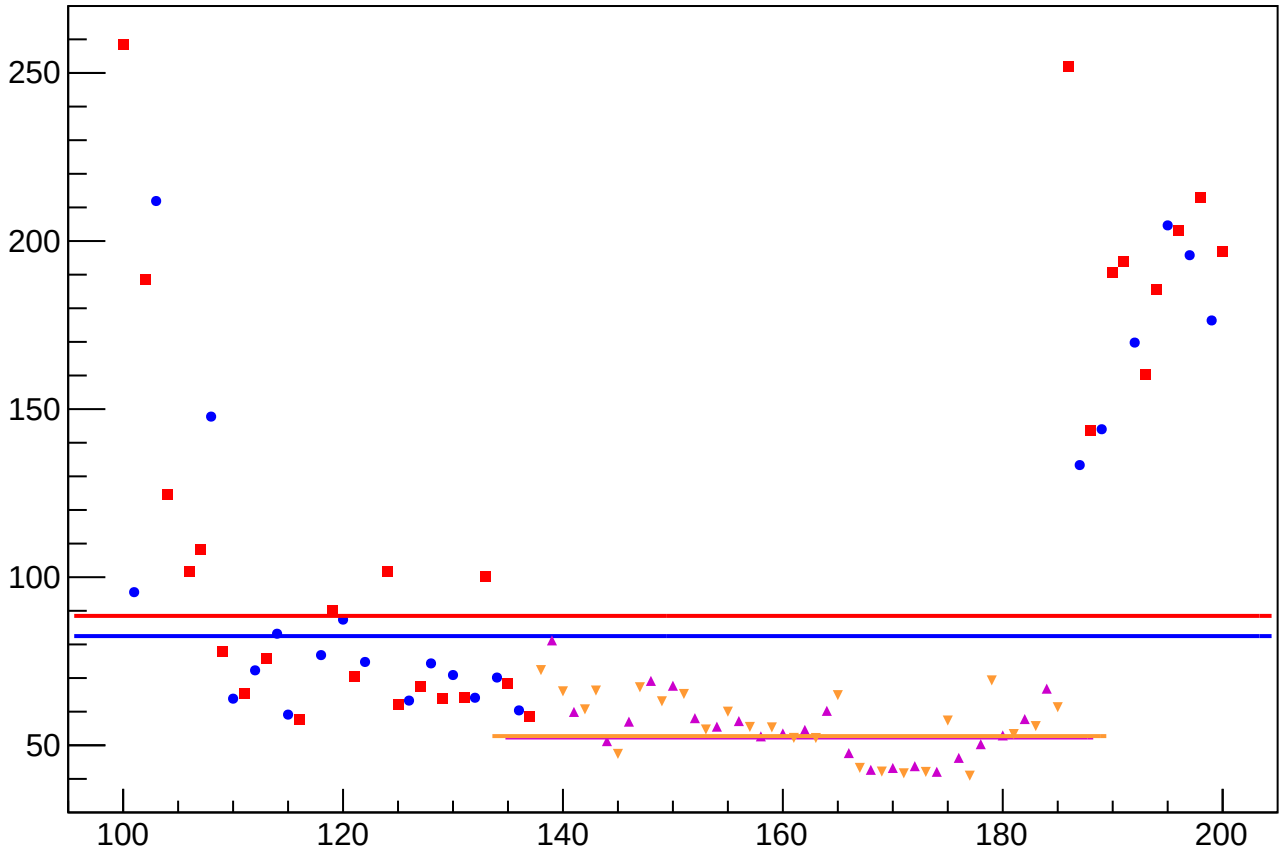
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 33.453+/-19.012 χ^2/NDF: 58.1/49

In: -7.494+/-11.367 χ^2/NDF:66.4/44

Out: -5.689+/-11.192 χ^2/NDF:74.5/52

All: -6.577+/-7.975 χ^2/NDF: 140.9/97



Right In: 82.481+/-0.019 χ^2/NDF: 3611968.2/21

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

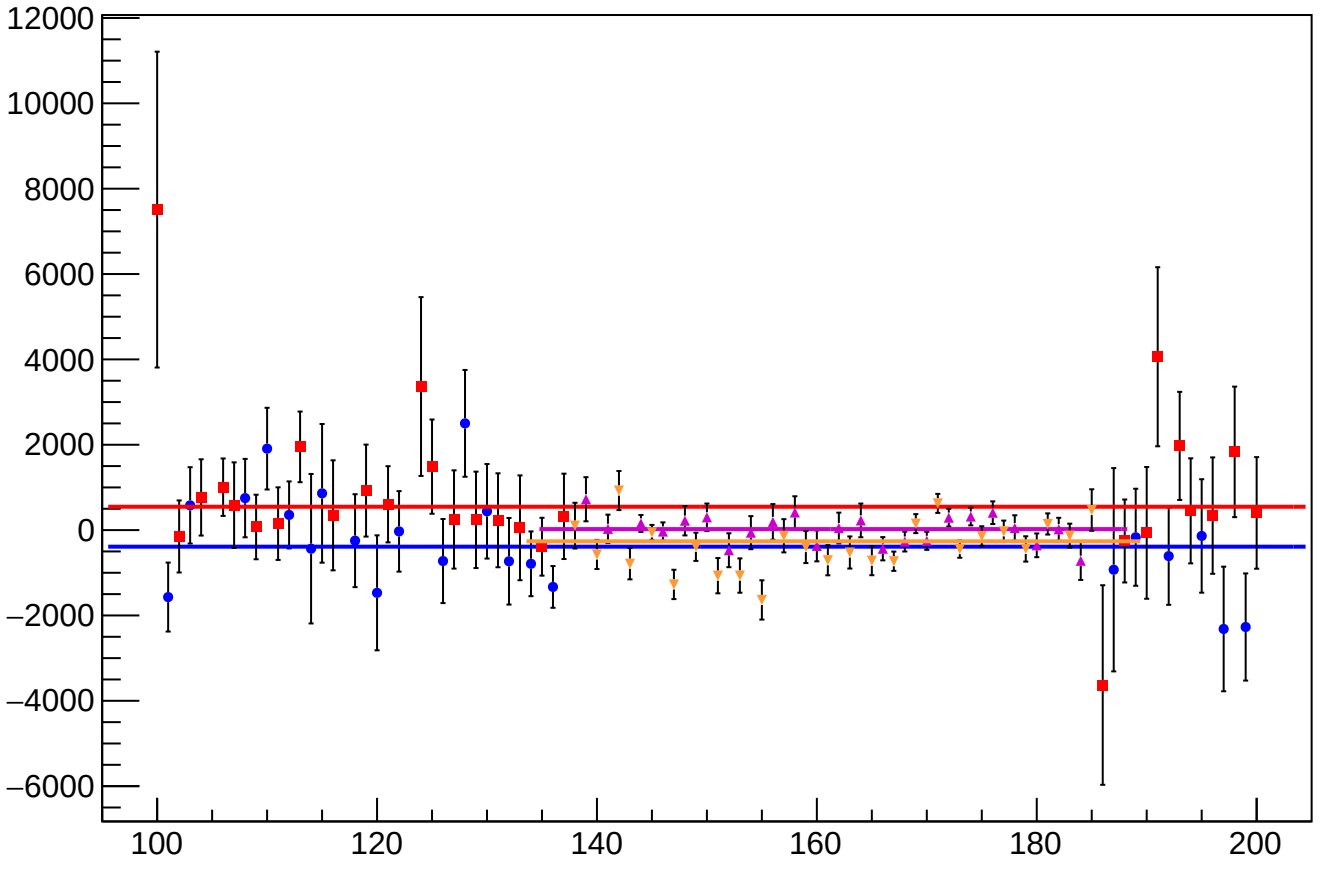
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 85.479+/-0.013 χ^2/NDF: 8539430.6/49

In: 57.718+/-0.008 χ^2/NDF:6575346.3/44

Out: 58.913+/-0.008 χ^2/NDF:8964204.0/52

All: 58.325+/-0.006 χ^2/NDF: 15550779.3/97



Right In: -388.412+/-210.077 χ^2/NDF: 27.2/21

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

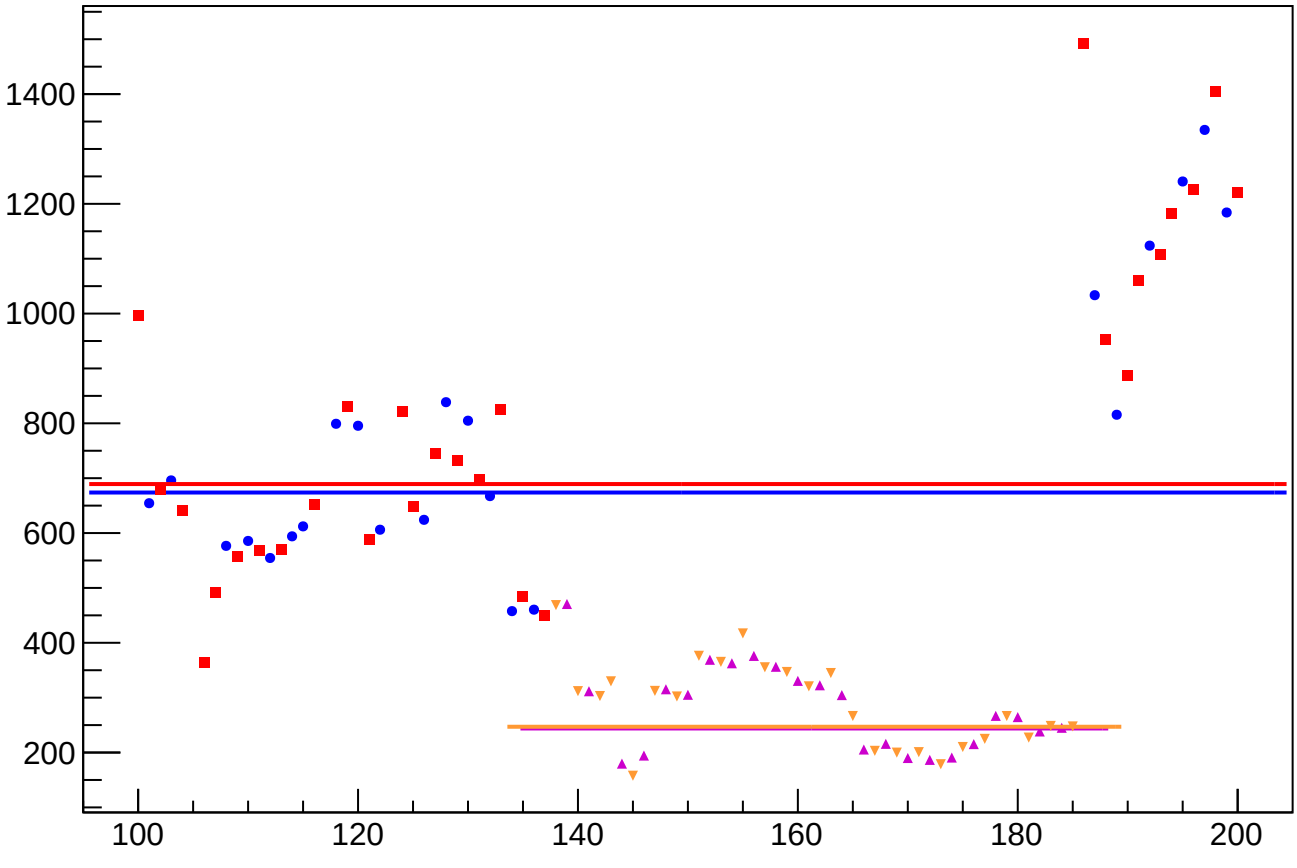
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 104.397+/-144.527 χ^2/NDF: 59.7/49

In: -7.020+/-57.156 χ^2/NDF:54.9/44

Out: -198.249+/-56.129 χ^2/NDF:109.6/52

All: -104.368+/-40.047 χ^2/NDF: 170.2/97



Right In: 673.867+/-0.149 χ^2/NDF: 2250341.7/21

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

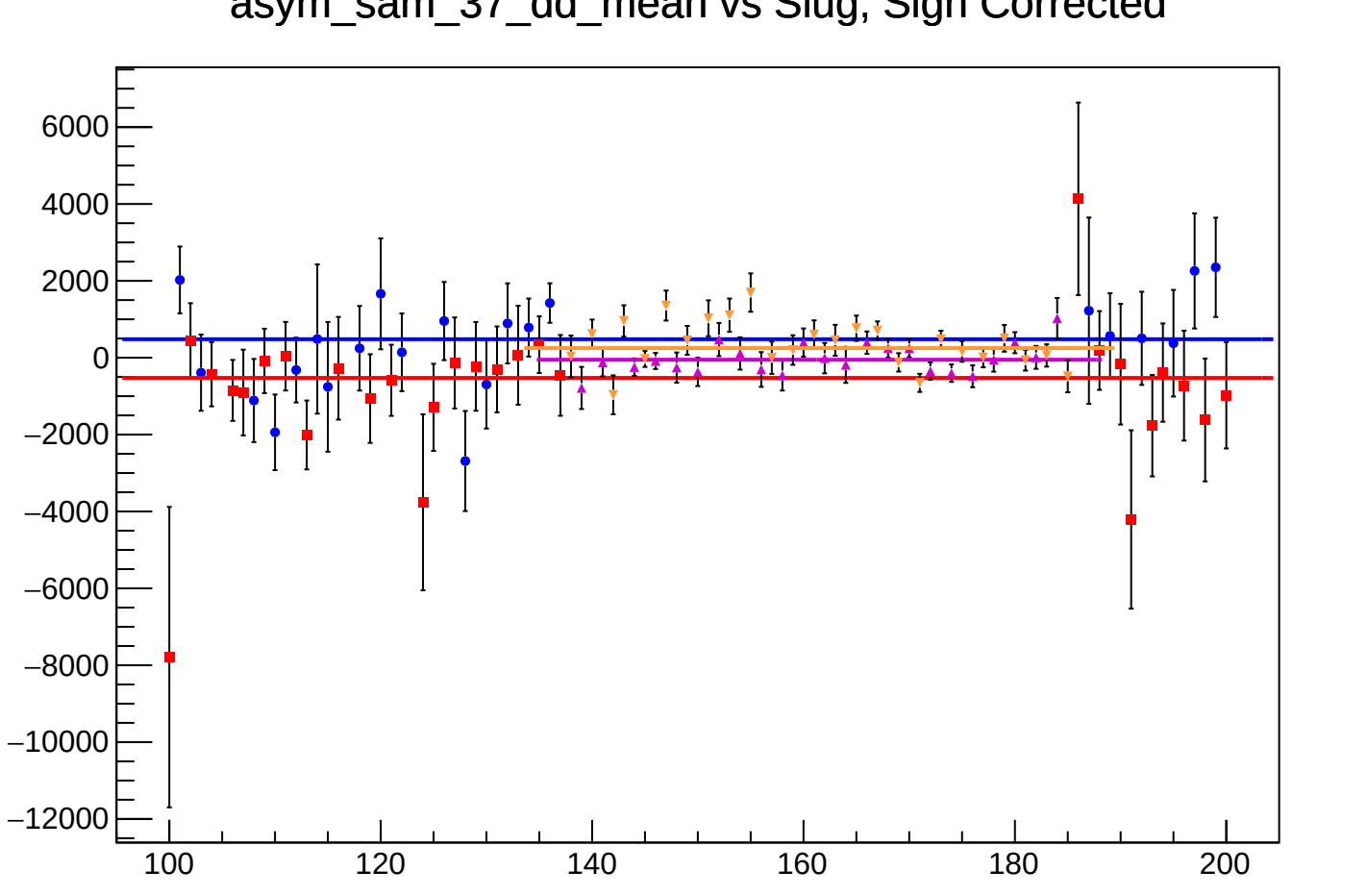
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 682.000+/-0.102 χ^2/NDF: 5465885.1/49

In: 275.658+/-0.040 χ^2/NDF:12501454.6/44

Out: 282.133+/-0.040 χ^2/NDF:15218115.9/52

All: 278.954+/-0.028 χ^2/NDF: 27732638.0/97



Right In: 482.044+/-220.601 χ^2/NDF: 28.9/21

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

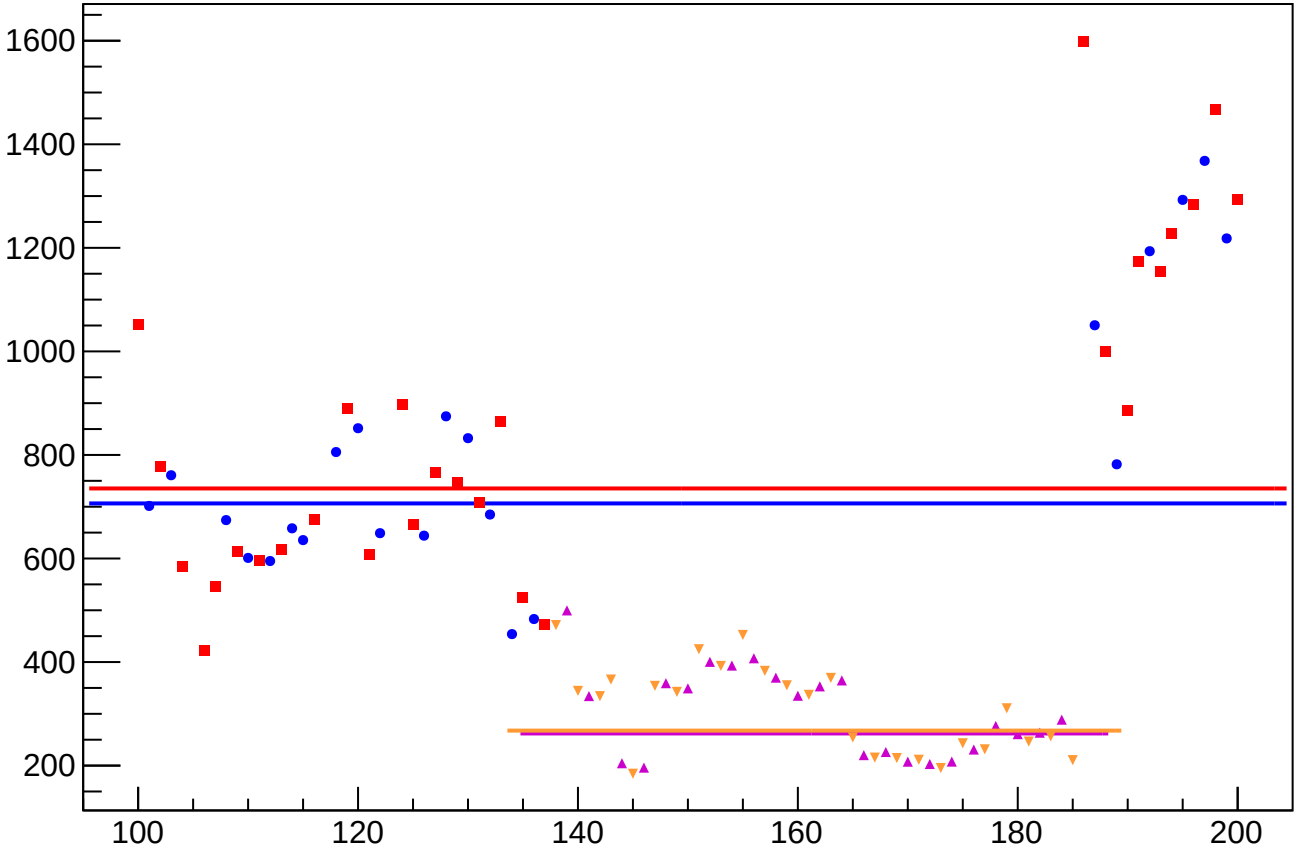
Right: -41.351+/-152.868 χ^2/NDF: 60.5/49

In: -10.457+/-61.327 χ^2/NDF:61.1/44

Out: 187.381+/-60.763 χ^2/NDF:100.5/52

All: 89.374+/-43.164 χ^2/NDF: 166.9/97

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 706.356+/-0.156 χ^2/NDF: 2214993.8/21

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

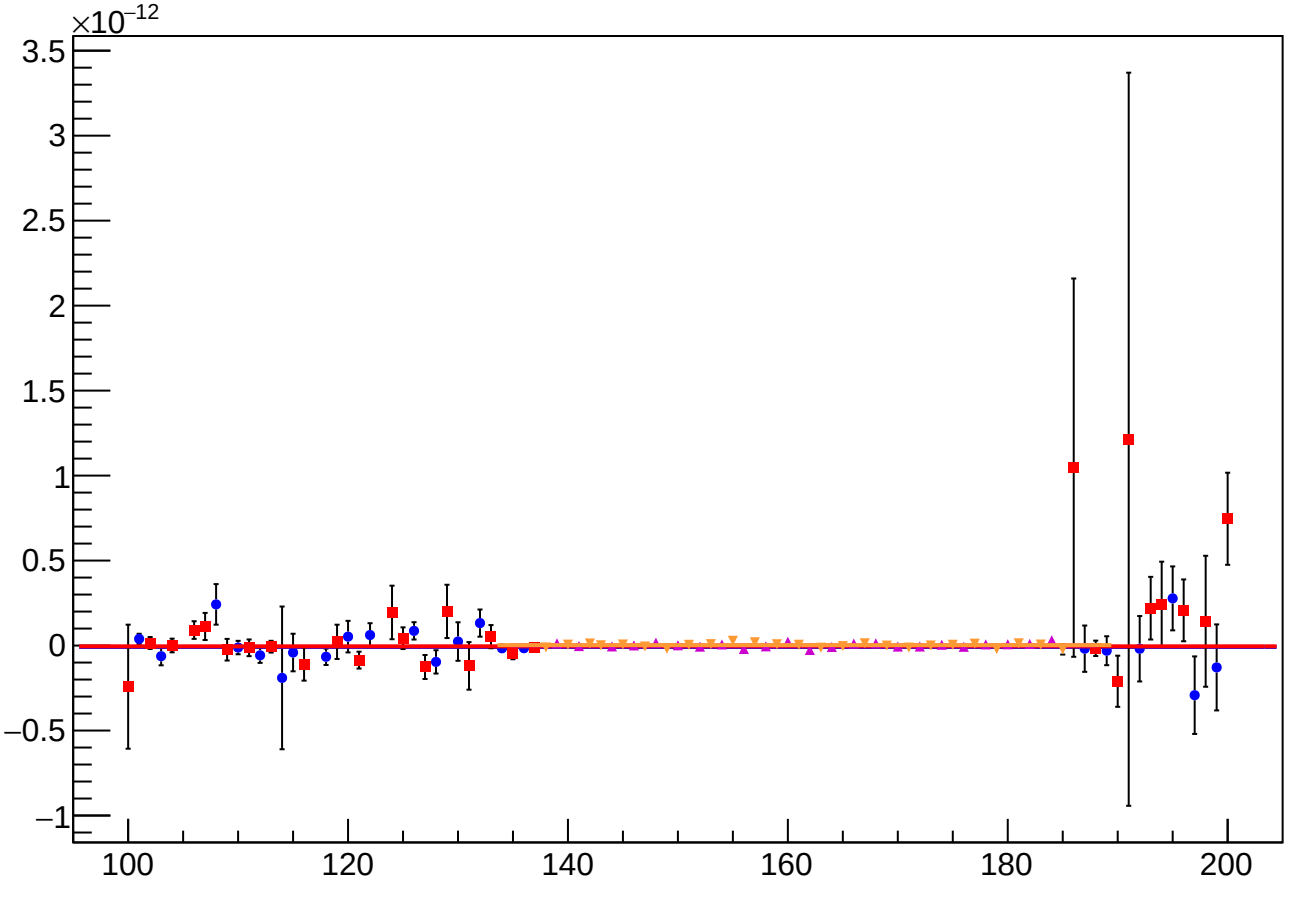
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 721.386+/-0.108 χ^2/NDF: 5214816.7/49

In: 296.426+/-0.043 χ^2/NDF:12237009.0/44

Out: 305.998+/-0.043 χ^2/NDF:14714775.5/52

All: 301.256+/-0.031 χ^2/NDF: 26976371.8/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/21

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

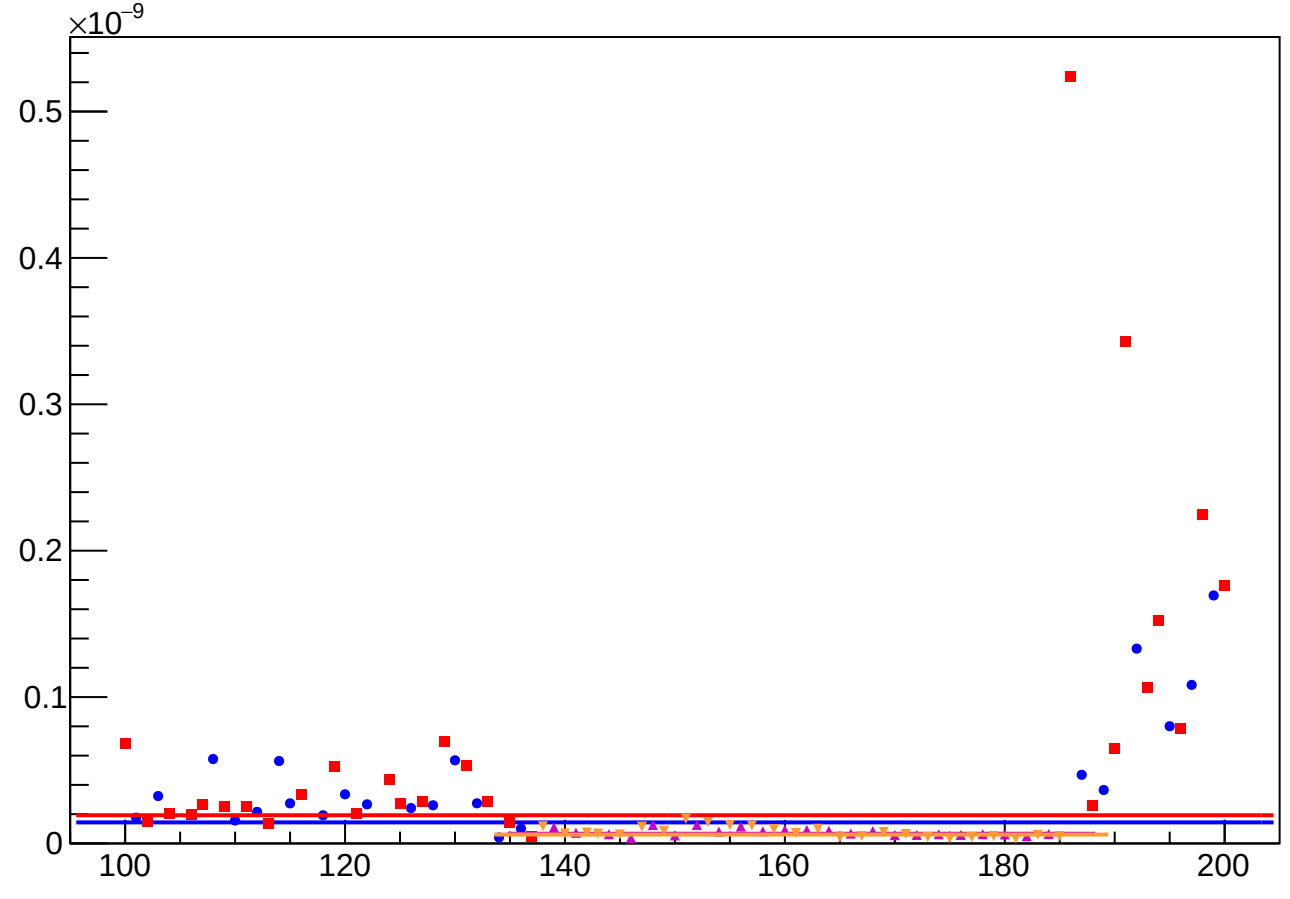
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.0/49

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: 0.000+/-0.000 χ^2/NDF:50.4/52

All: 0.000+/-0.000 χ^2/NDF: 89.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4461900.7/21

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

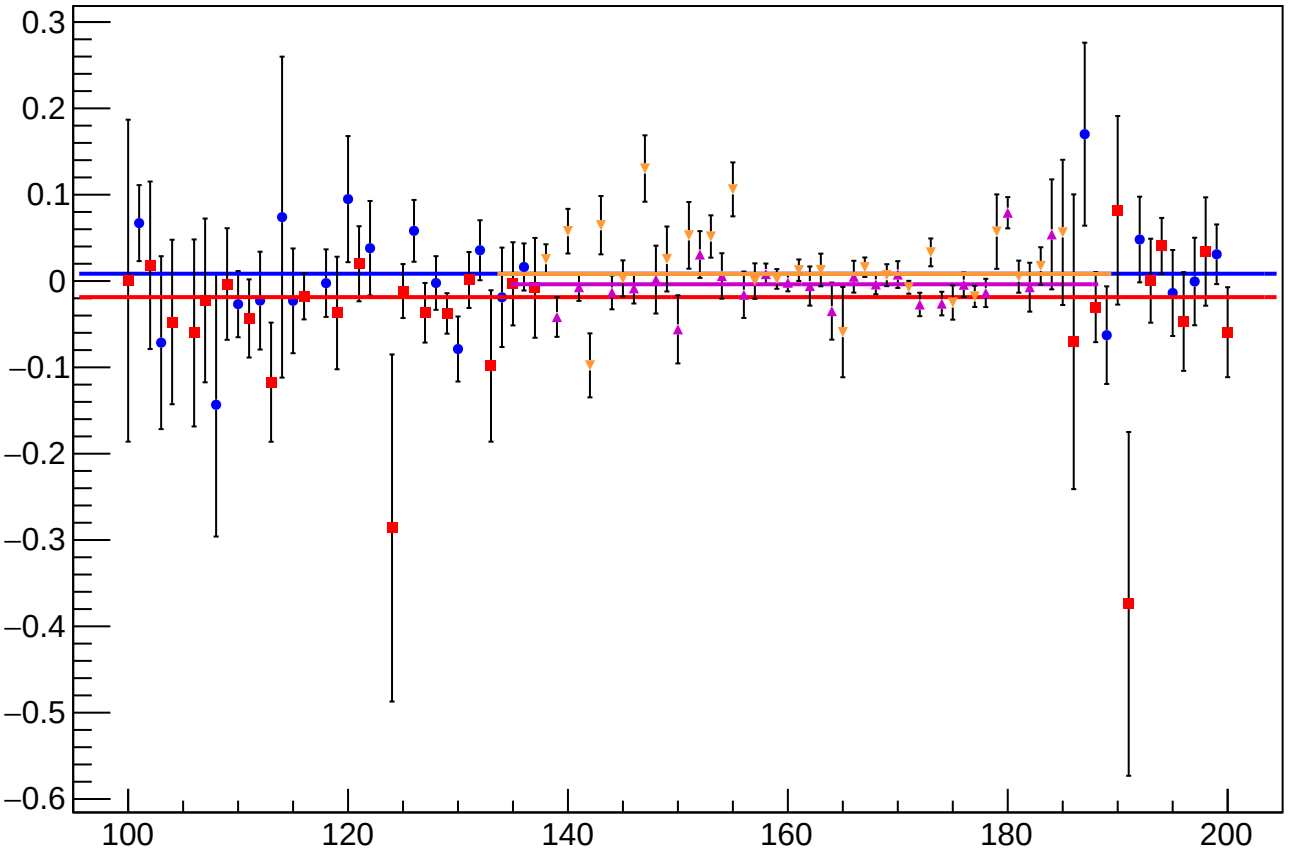
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9559390.4/49

In: 0.000+/-0.000 χ^2/NDF:6935650.3/44

Out: 0.000+/-0.000 χ^2/NDF:9984170.1/52

All: 0.000+/-0.000 χ^2/NDF: 16966113.7/97



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

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

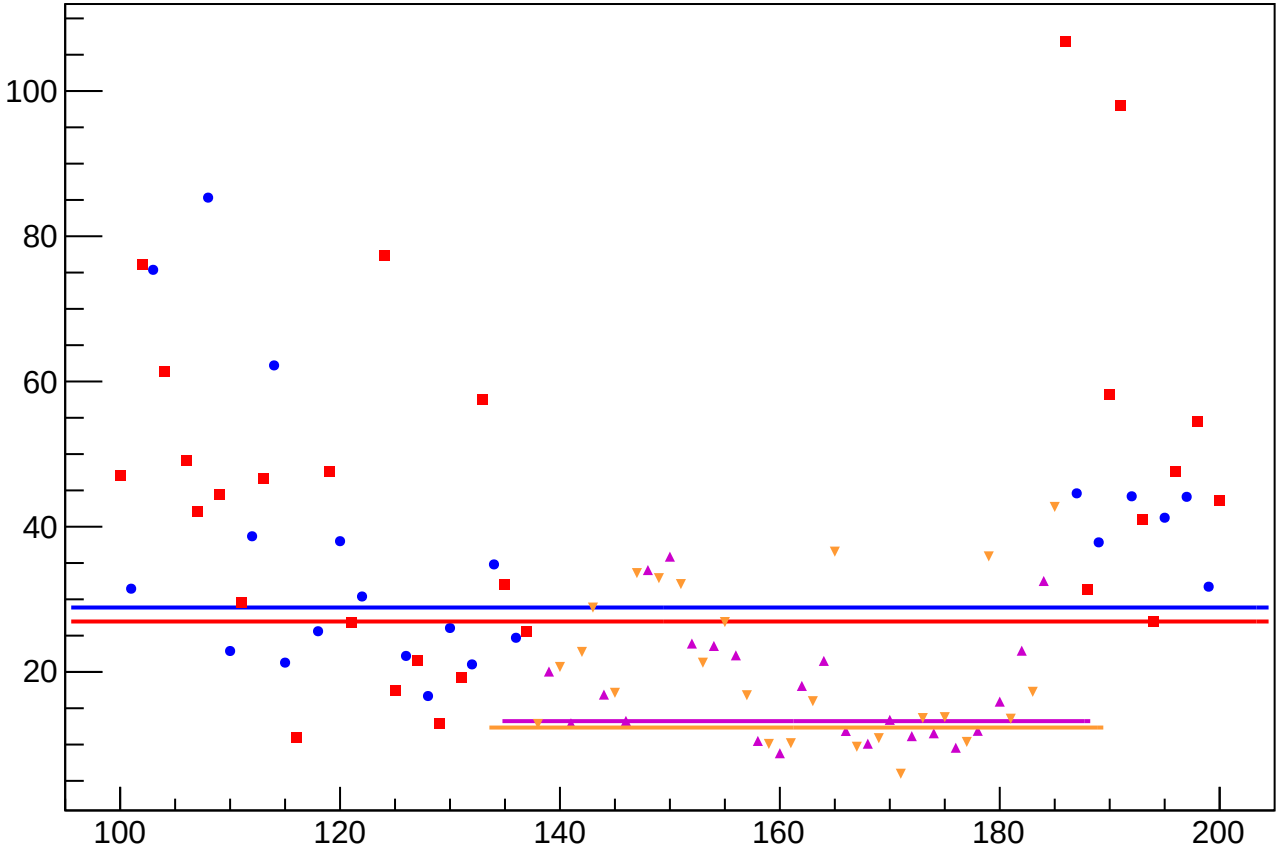
Right: -0.006+/-0.007 χ^2/NDF: 41.4/49

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 144.6/97

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

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

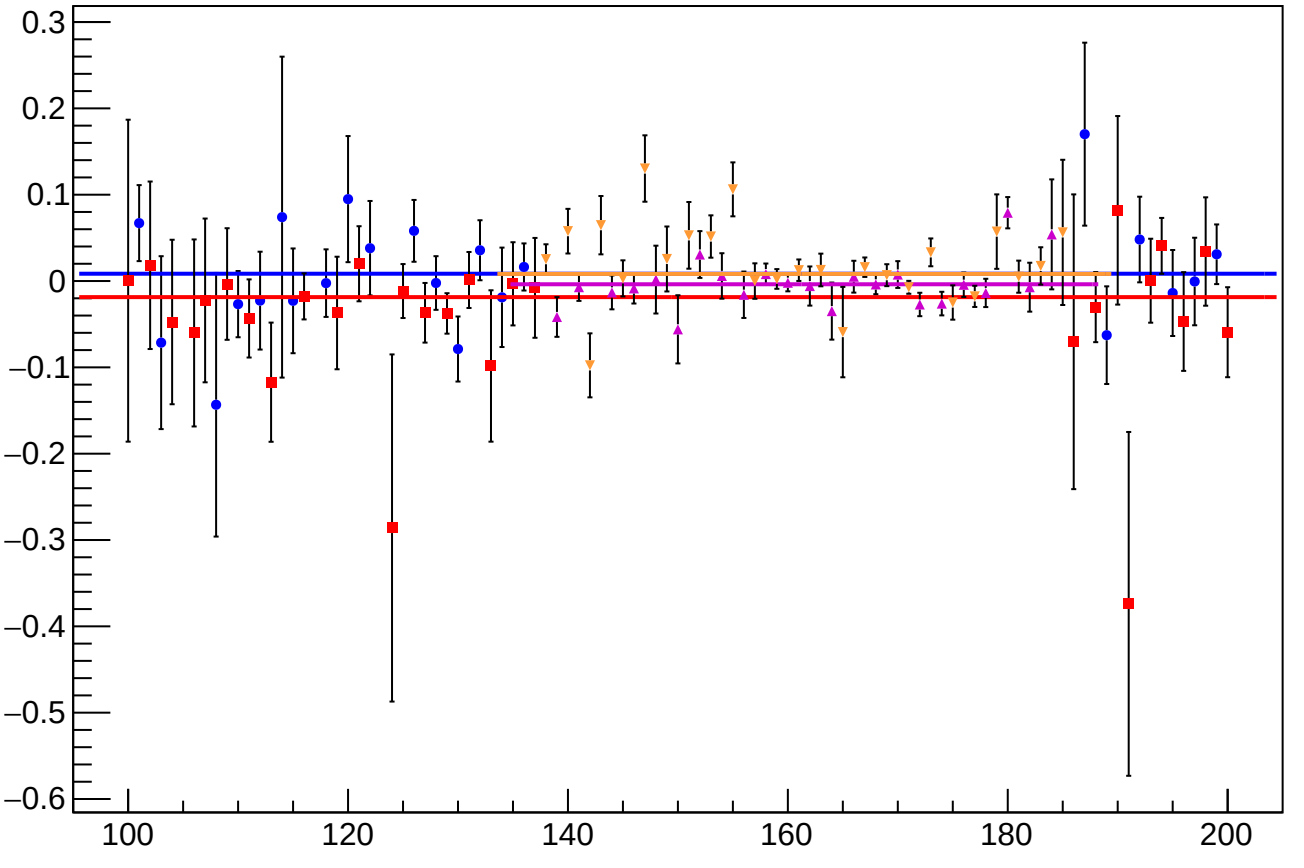
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.843+/-0.005 χ^2/NDF: 7693371.9/49

In: 15.139+/-0.002 χ^2/NDF:10530501.7/44

Out: 14.188+/-0.002 χ^2/NDF:16788853.4/52

All: 14.638+/-0.002 χ^2/NDF: 27401525.9/97



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

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

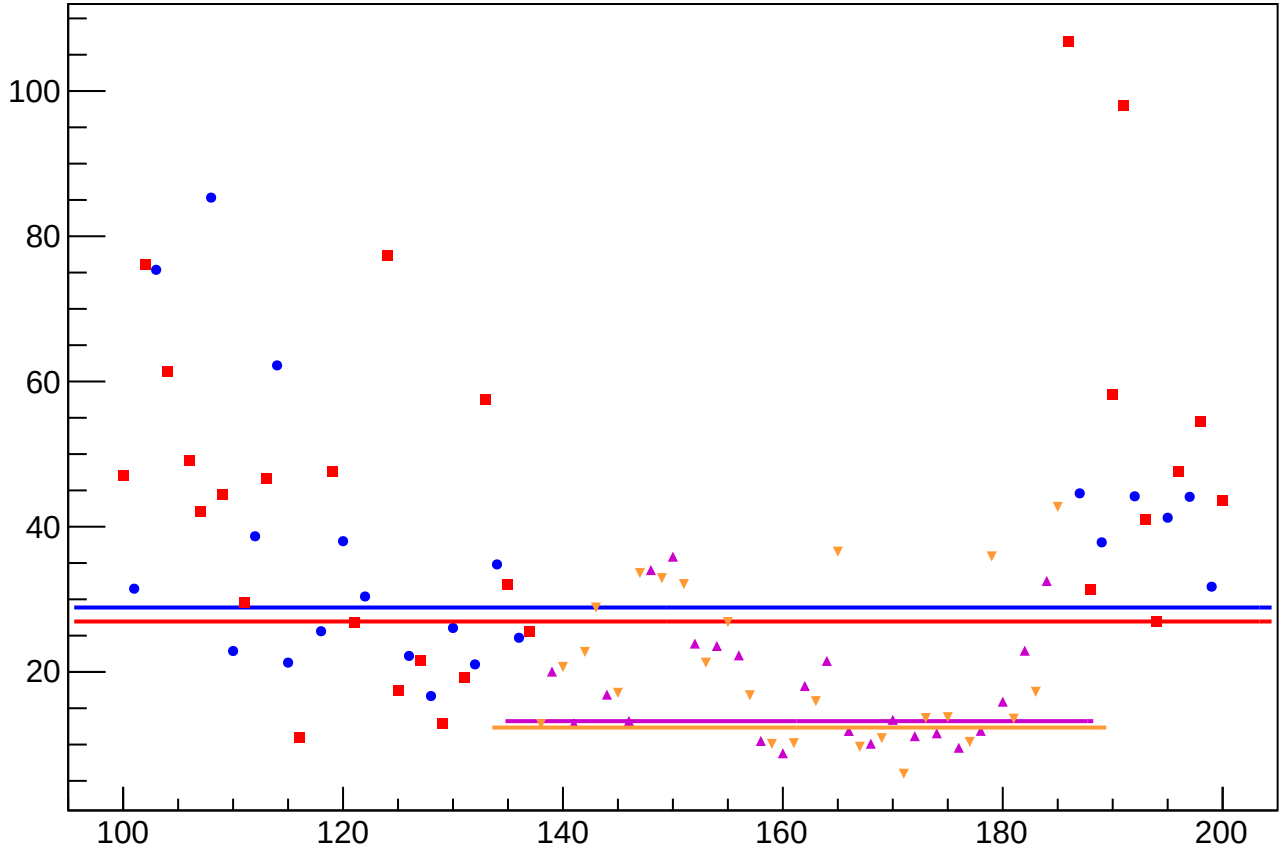
Right: -0.006+/-0.007 χ^2/NDF: 41.4/49

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 144.6/97

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

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

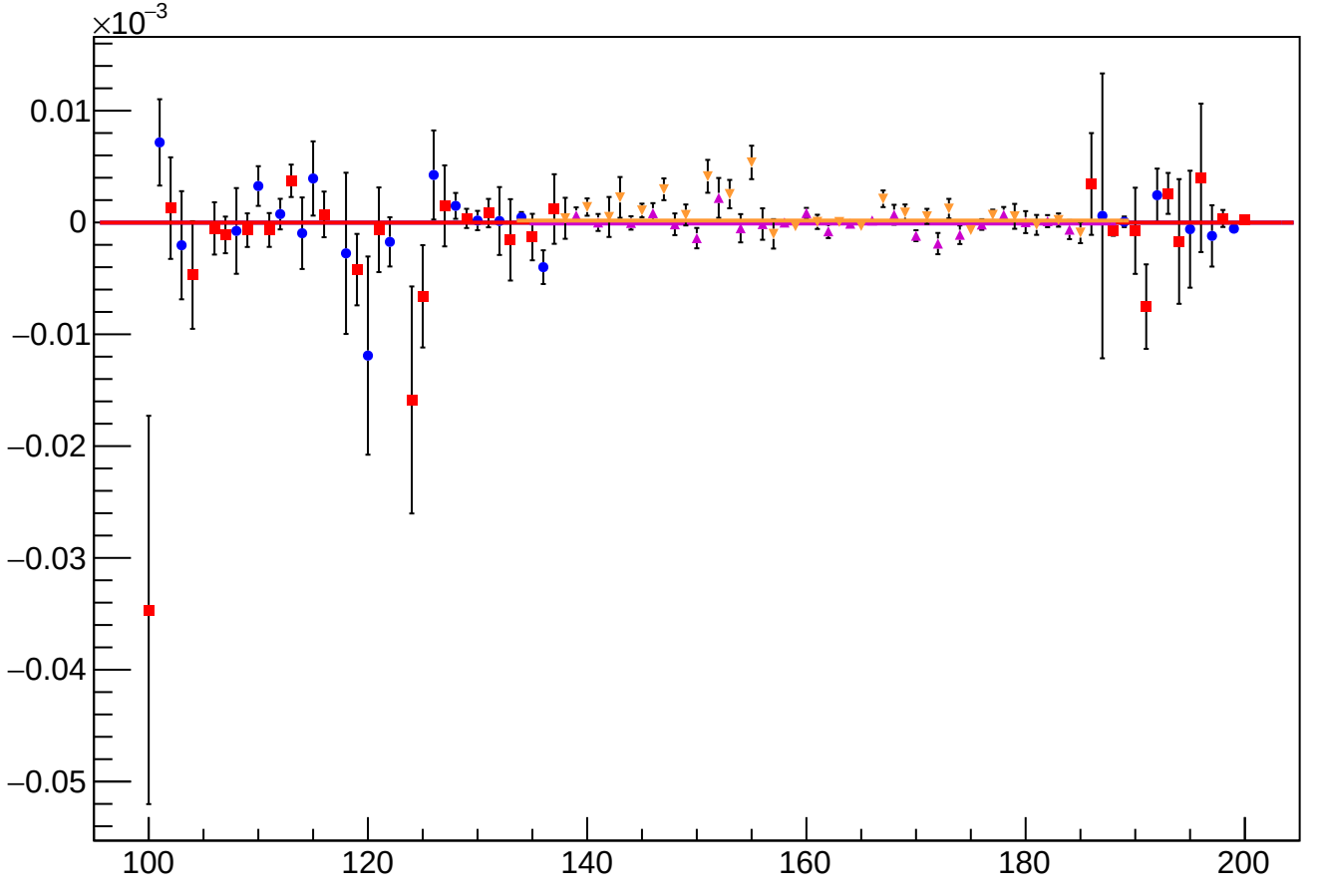
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.843+/-0.005 χ^2/NDF: 7693371.9/49

In: 15.139+/-0.002 χ^2/NDF:10530501.7/44

Out: 14.188+/-0.002 χ^2/NDF:16788853.4/52

All: 14.638+/-0.002 χ^2/NDF: 27401525.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

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

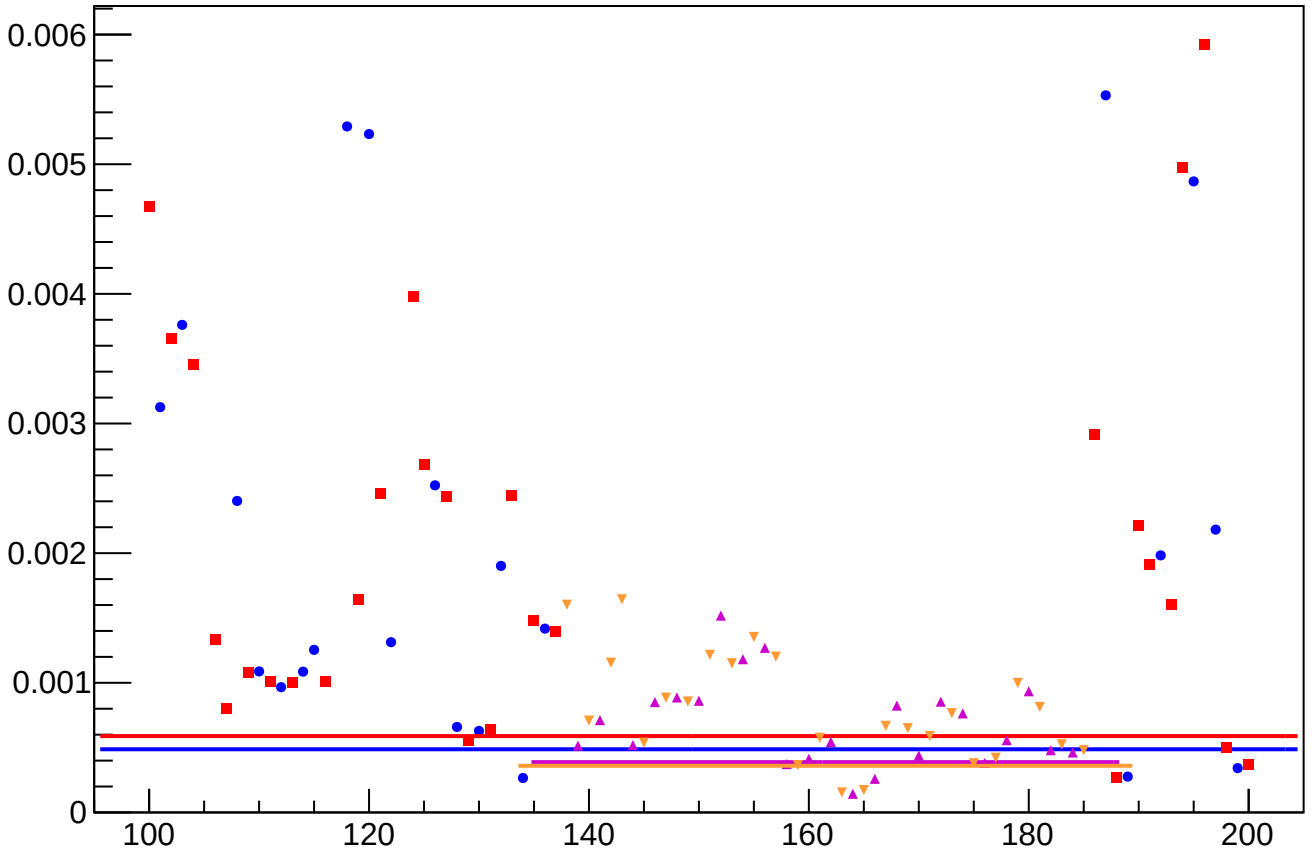
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: -0.000+/-0.000 χ^2/NDF: 56.3/49

In: -0.000+/-0.000 χ^2/NDF:50.4/44

Out: 0.000+/-0.000 χ^2/NDF:92.5/52

All: 0.000+/-0.000 χ^2/NDF: 145.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 10985408.8/21

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

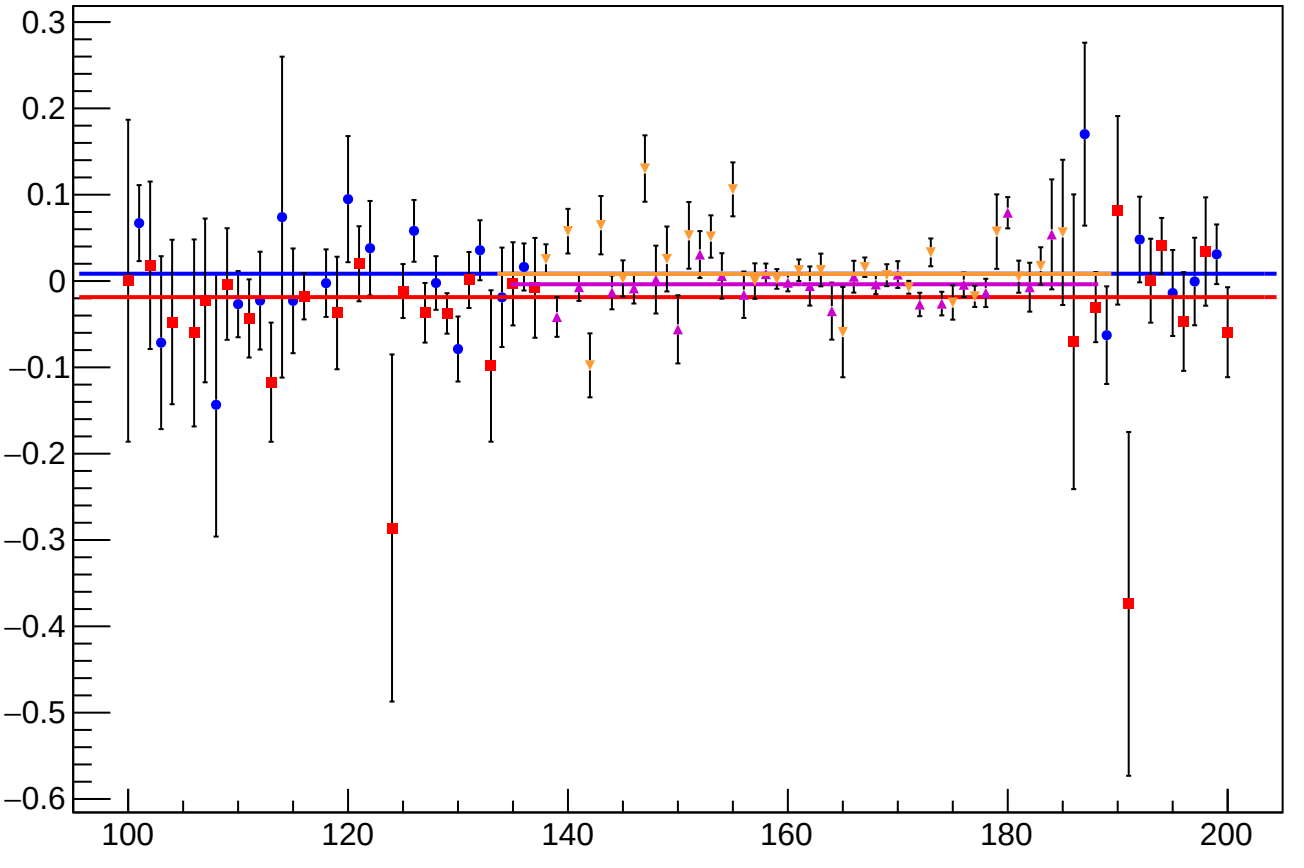
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 22512265.6/49

In: 0.000+/-0.000 χ^2/NDF:21772632.1/44

Out: 0.000+/-0.000 χ^2/NDF:26930282.2/52

All: 0.000+/-0.000 χ^2/NDF: 48714829.3/97



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

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

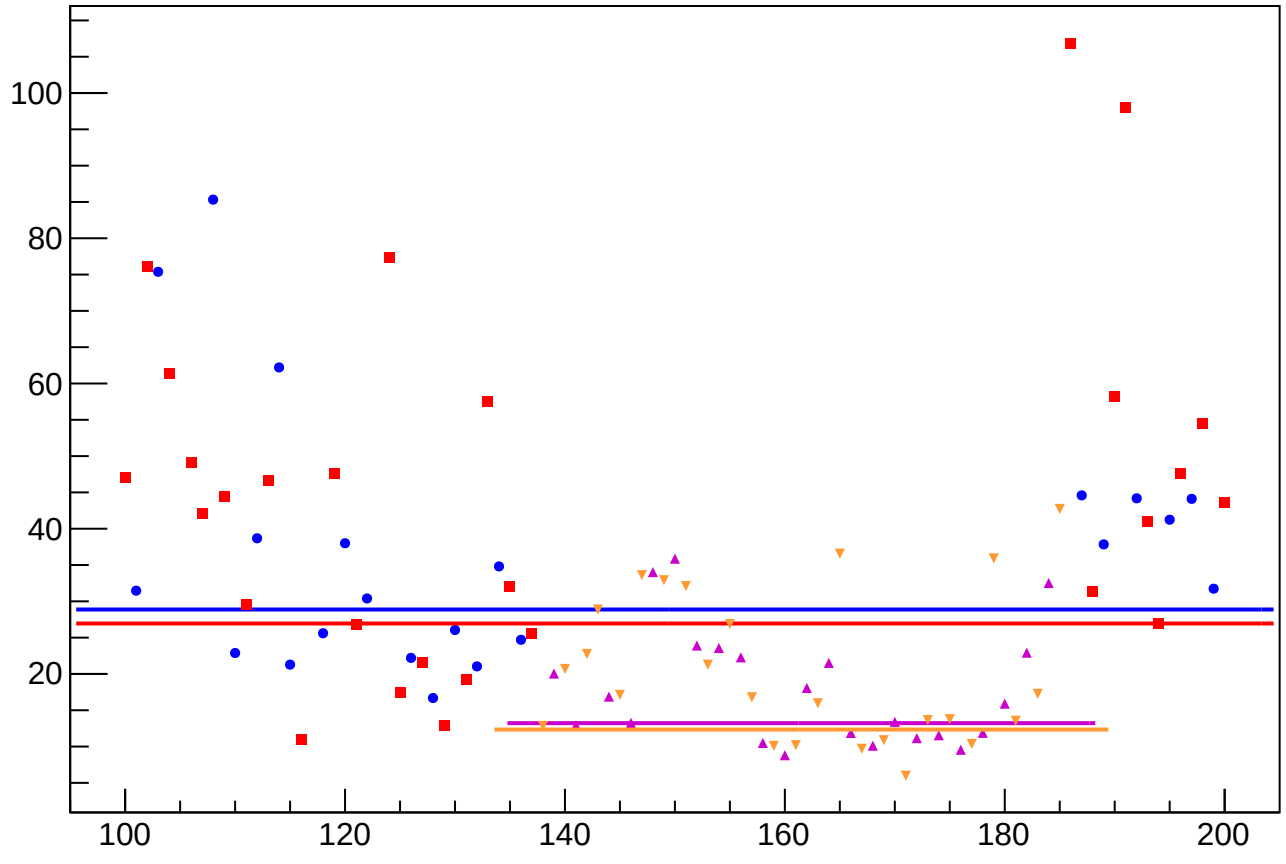
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.006+/-0.007 χ^2/NDF: 41.4/49

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 144.6/97



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

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

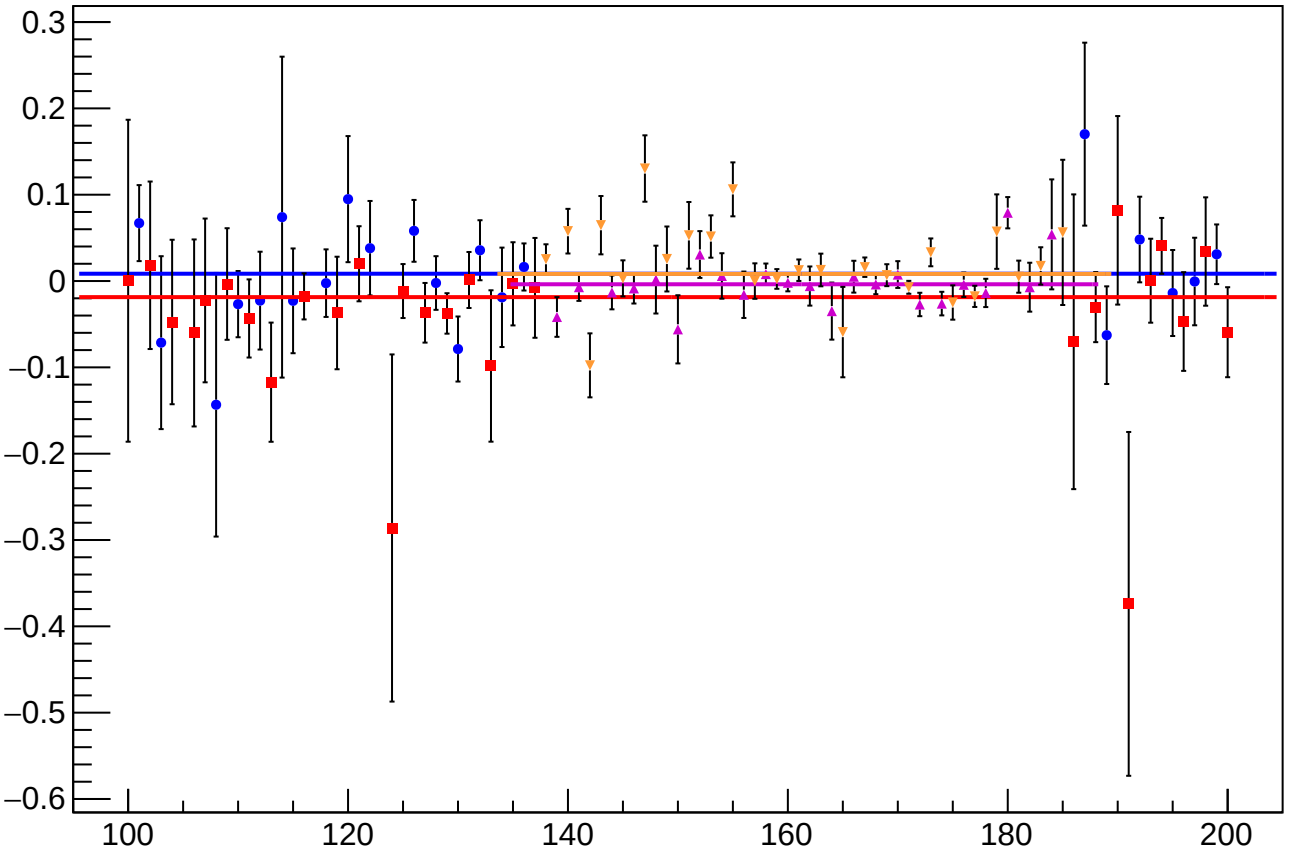
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.844+/-0.005 χ^2/NDF: 7692976.0/49

In: 15.139+/-0.002 χ^2/NDF:10530686.0/44

Out: 14.188+/-0.002 χ^2/NDF:16788960.9/52

All: 14.638+/-0.002 χ^2/NDF: 27401806.0/97



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

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

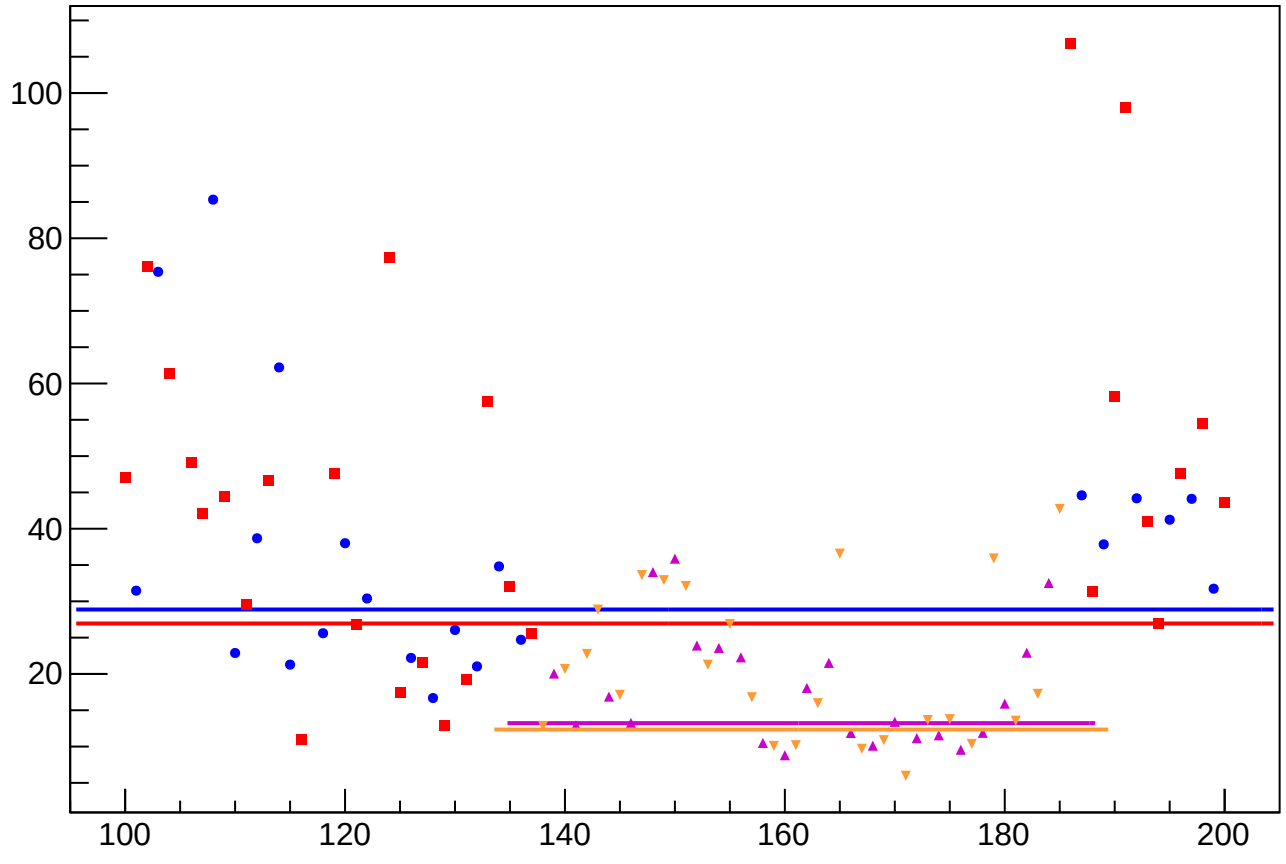
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.006+/-0.007 χ^2/NDF: 41.4/49

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:83.5/52

All: 0.001+/-0.002 χ^2/NDF: 144.6/97



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

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

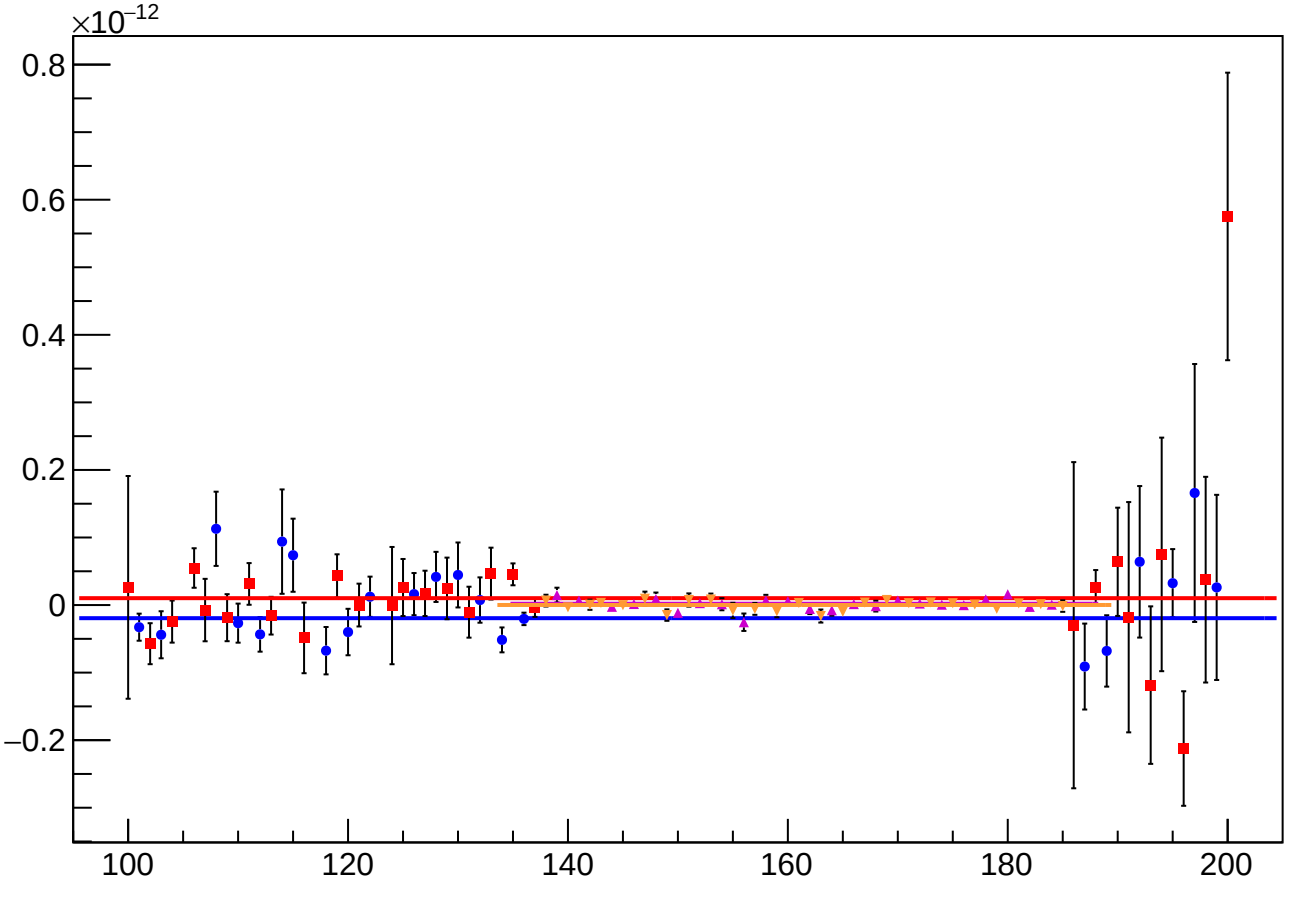
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.844+/-0.005 χ^2/NDF: 7692976.0/49

In: 15.139+/-0.002 χ^2/NDF:10530686.0/44

Out: 14.188+/-0.002 χ^2/NDF:16788960.9/52

All: 14.638+/-0.002 χ^2/NDF: 27401806.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/21

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

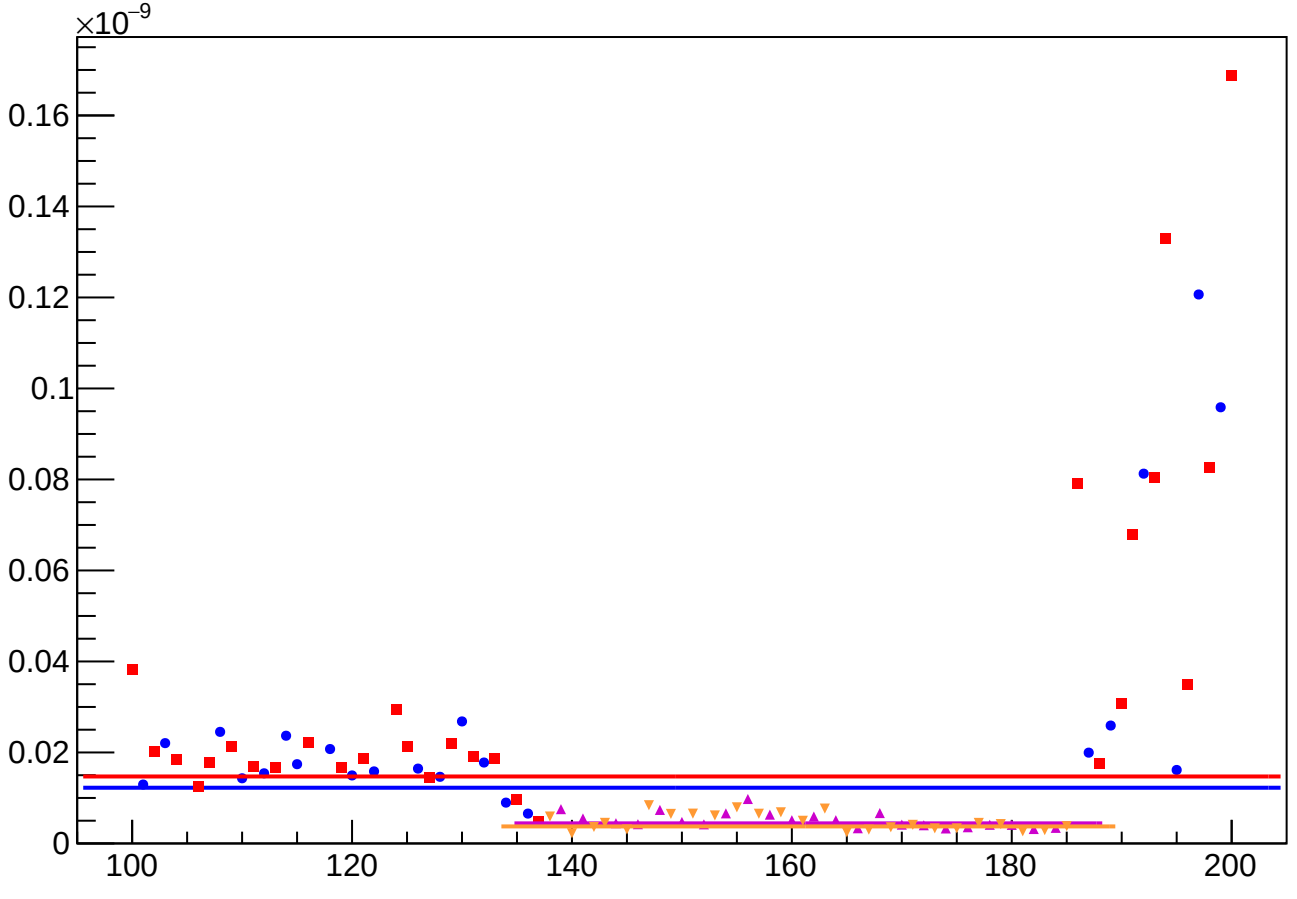
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 78.4/49

In: 0.000+/-0.000 χ^2/NDF:68.3/44

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: 0.000+/-0.000 χ^2/NDF: 128.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 3954151.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5316149.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

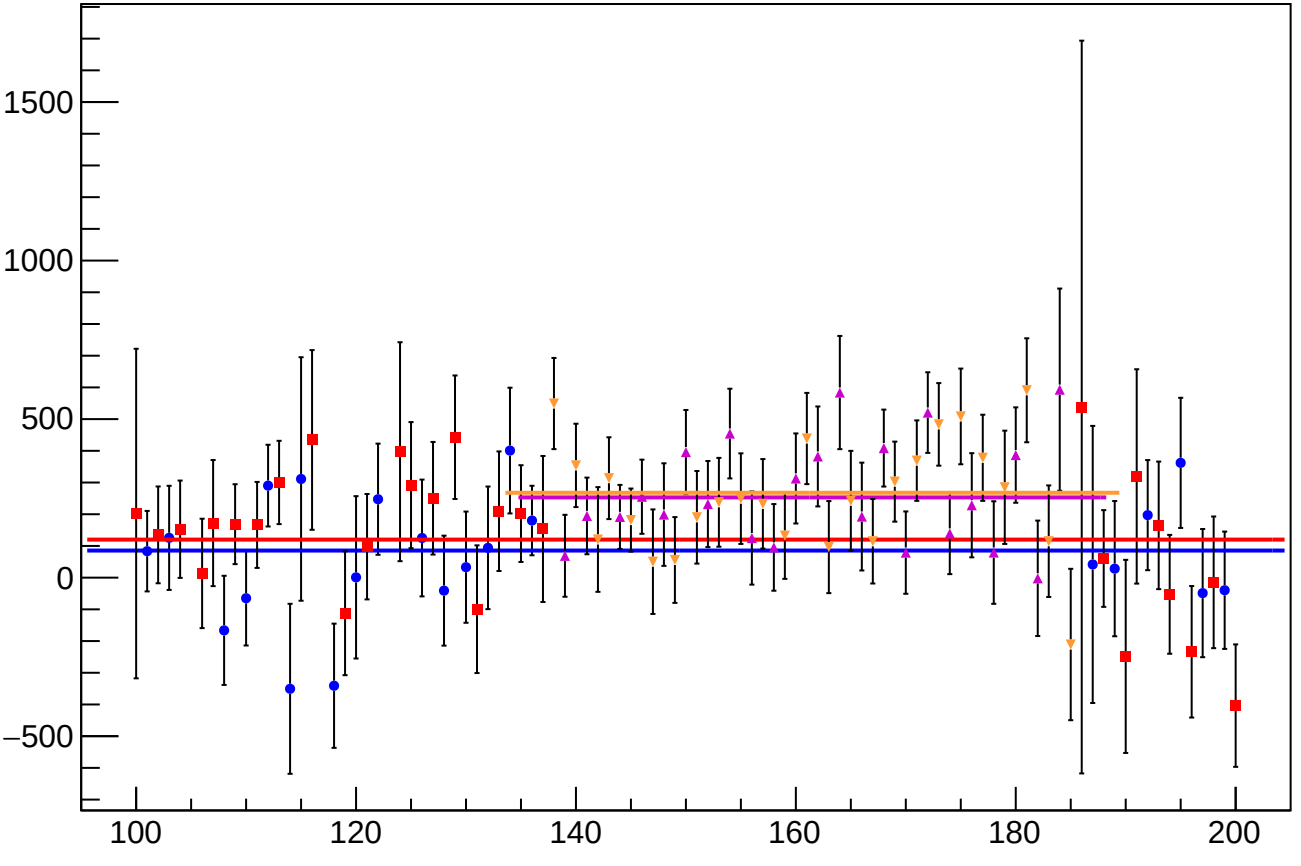
Right: 0.000+/-0.000 χ^2/NDF: 9429529.6/49

In: 0.000+/-0.000 χ^2/NDF:9037269.1/44

Out: 0.000+/-0.000 χ^2/NDF:13958354.4/52

All: 0.000+/-0.000 χ^2/NDF: 23327647.8/97

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 85.469+/-37.766 χ^2/NDF: 21.6/21

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

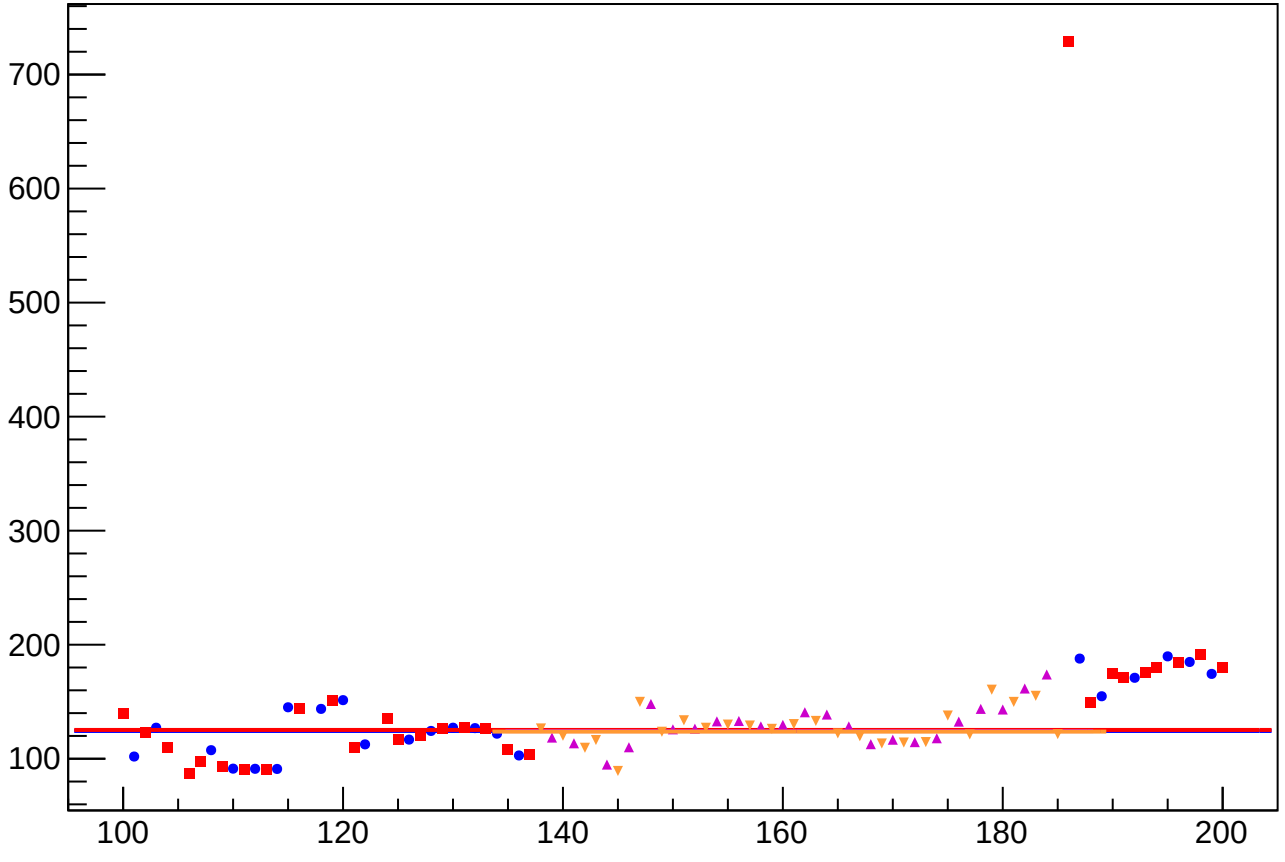
Right: 103.817+/-25.860 χ^2/NDF: 47.5/49

In: 190.046+/-23.156 χ^2/NDF:60.0/44

Out: 210.066+/-22.176 χ^2/NDF:67.0/52

All: 200.489+/-16.016 χ^2/NDF: 127.4/97

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.4/21

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

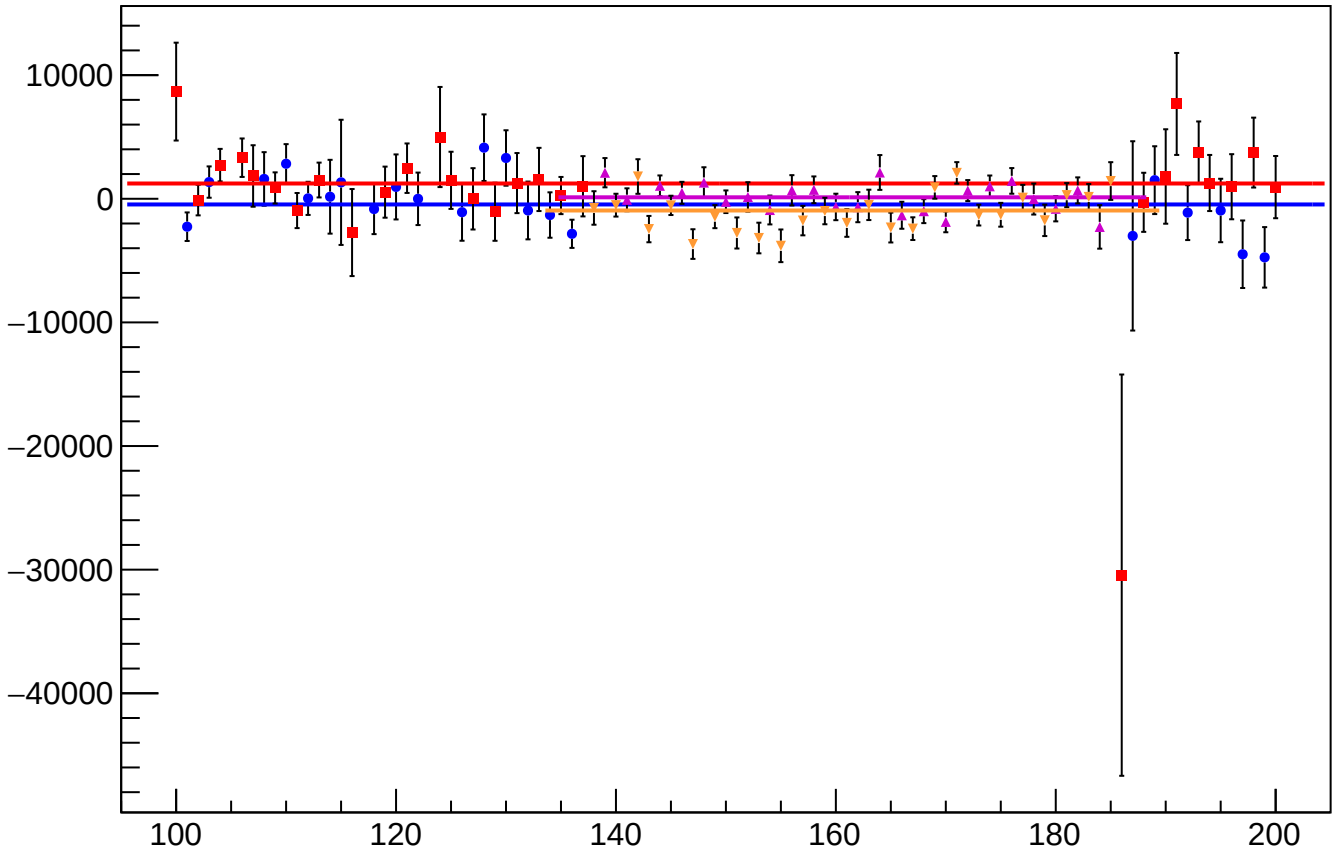
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 124.832+/-0.018 χ^2/NDF: 3422415.0/49

In: 124.298+/-0.016 χ^2/NDF:1794962.0/44

Out: 124.369+/-0.016 χ^2/NDF:2784544.2/52

All: 124.335+/-0.011 χ^2/NDF: 4579515.8/97



Right In: -459.638+/-412.413 χ^2/NDF: 26.7/21

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

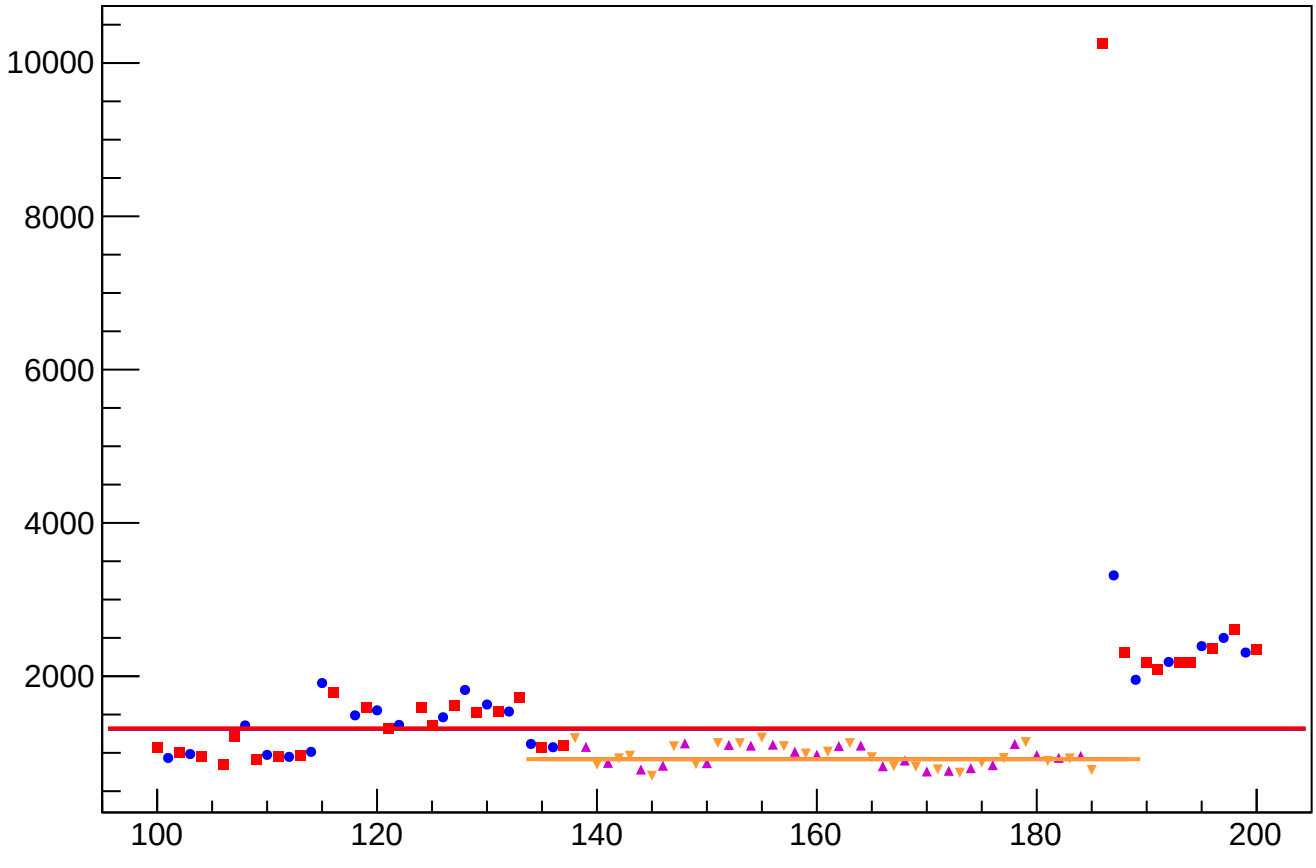
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 441.725+/-282.211 χ^2/NDF: 58.8/49

In: -7.058+/-192.153 χ^2/NDF:52.7/44

Out: -444.568+/-185.792 χ^2/NDF:97.9/52

All: -233.175+/-133.567 χ^2/NDF: 153.2/97



Right In: 1314.273+/-0.292 χ^2/NDF: 2540828.0/21

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

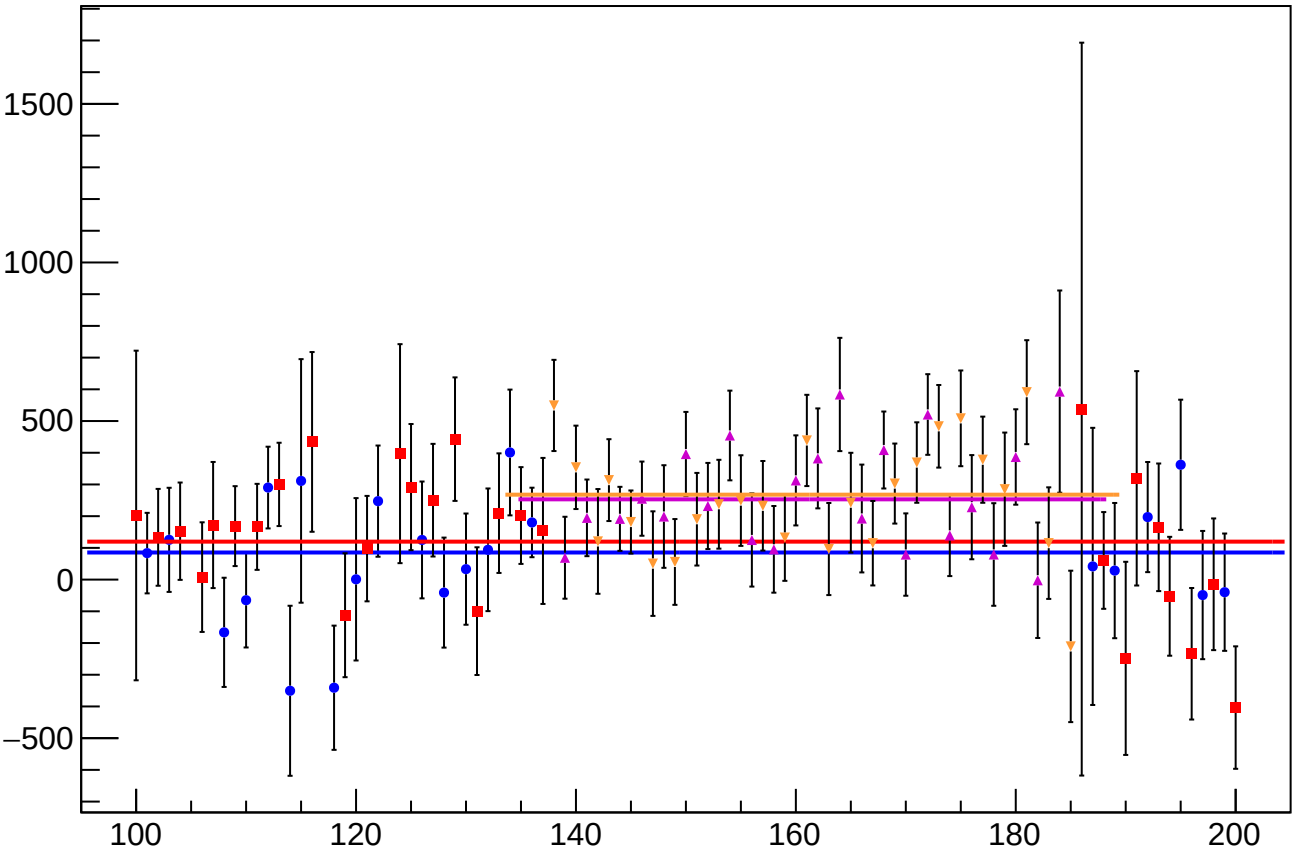
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1316.061+/-0.200 χ^2/NDF: 6475052.9/49

In: 1004.193+/-0.136 χ^2/NDF:4651197.6/44

Out: 1010.489+/-0.131 χ^2/NDF:6458991.5/52

All: 1007.447+/-0.094 χ^2/NDF: 11111298.9/9



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

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

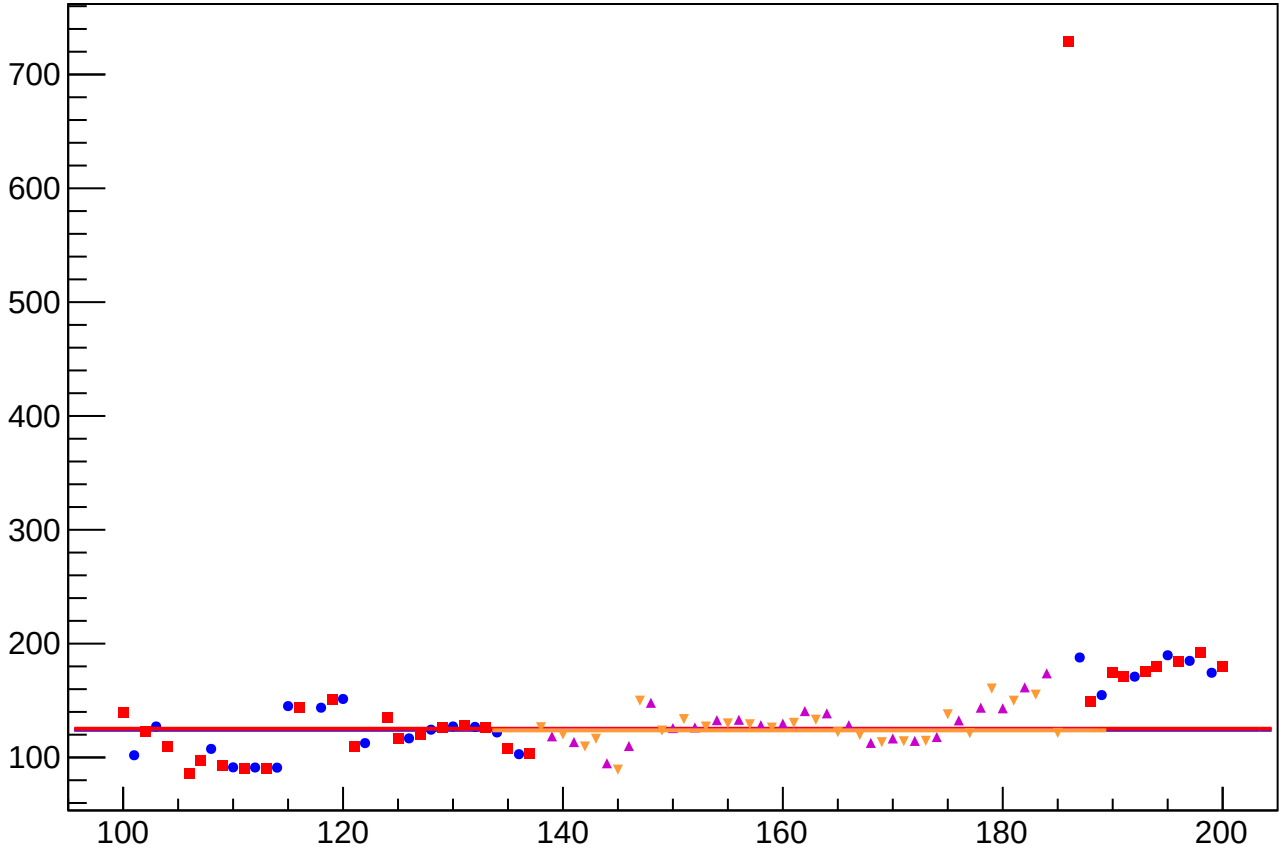
Right: 103.648+/-25.862 χ^2/NDF: 47.5/49

In: 190.045+/-23.156 χ^2/NDF:60.1/44

Out: 209.959+/-22.177 χ^2/NDF:67.1/52

All: 200.432+/-16.017 χ^2/NDF: 127.5/97

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

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

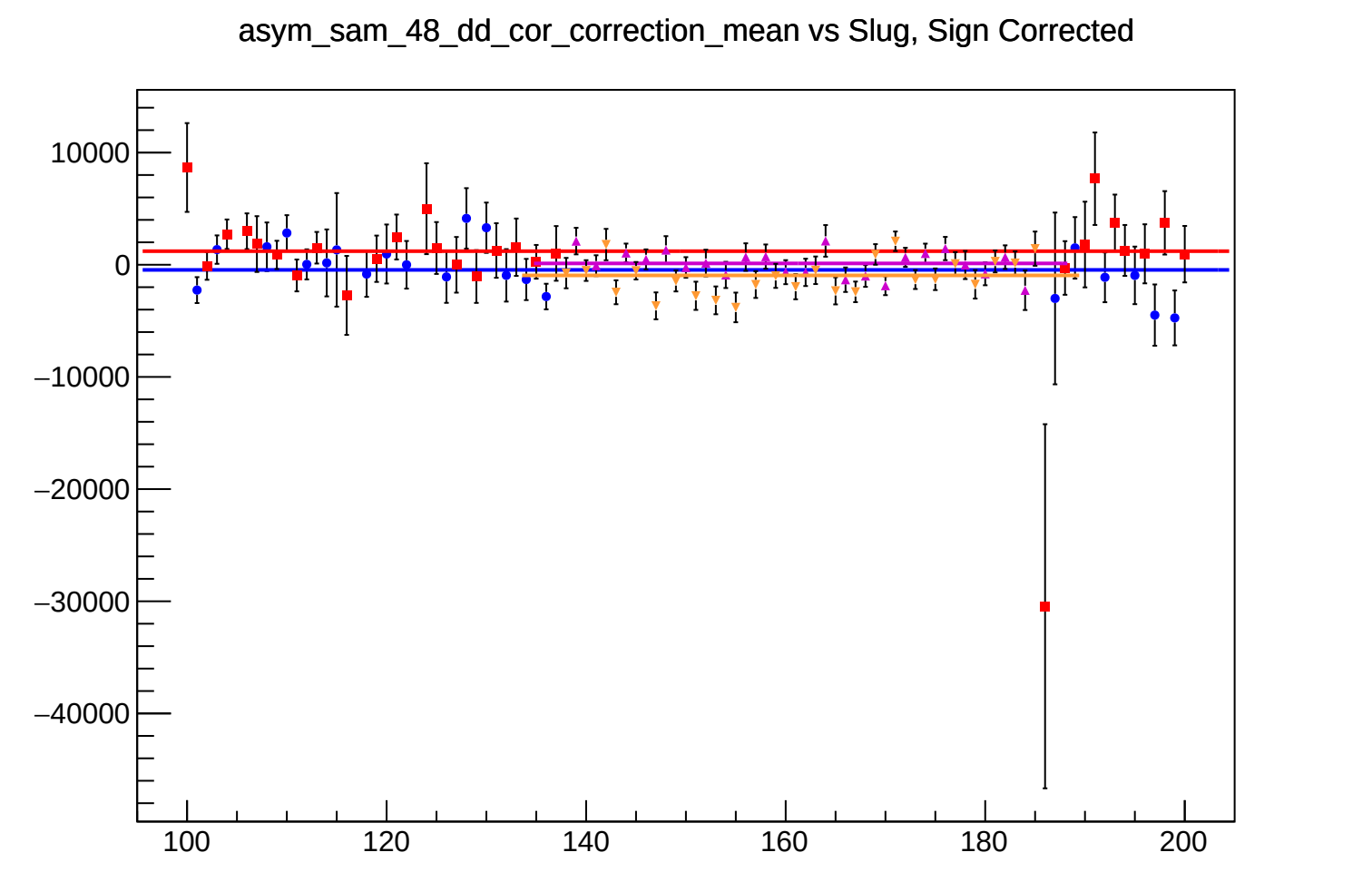
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 124.811+/-0.018 χ^2/NDF: 3427932.6/49

In: 124.298+/-0.016 χ^2/NDF:1794962.3/44

Out: 124.353+/-0.016 χ^2/NDF:2790003.8/52

All: 124.327+/-0.011 χ^2/NDF: 4584971.9/97



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

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

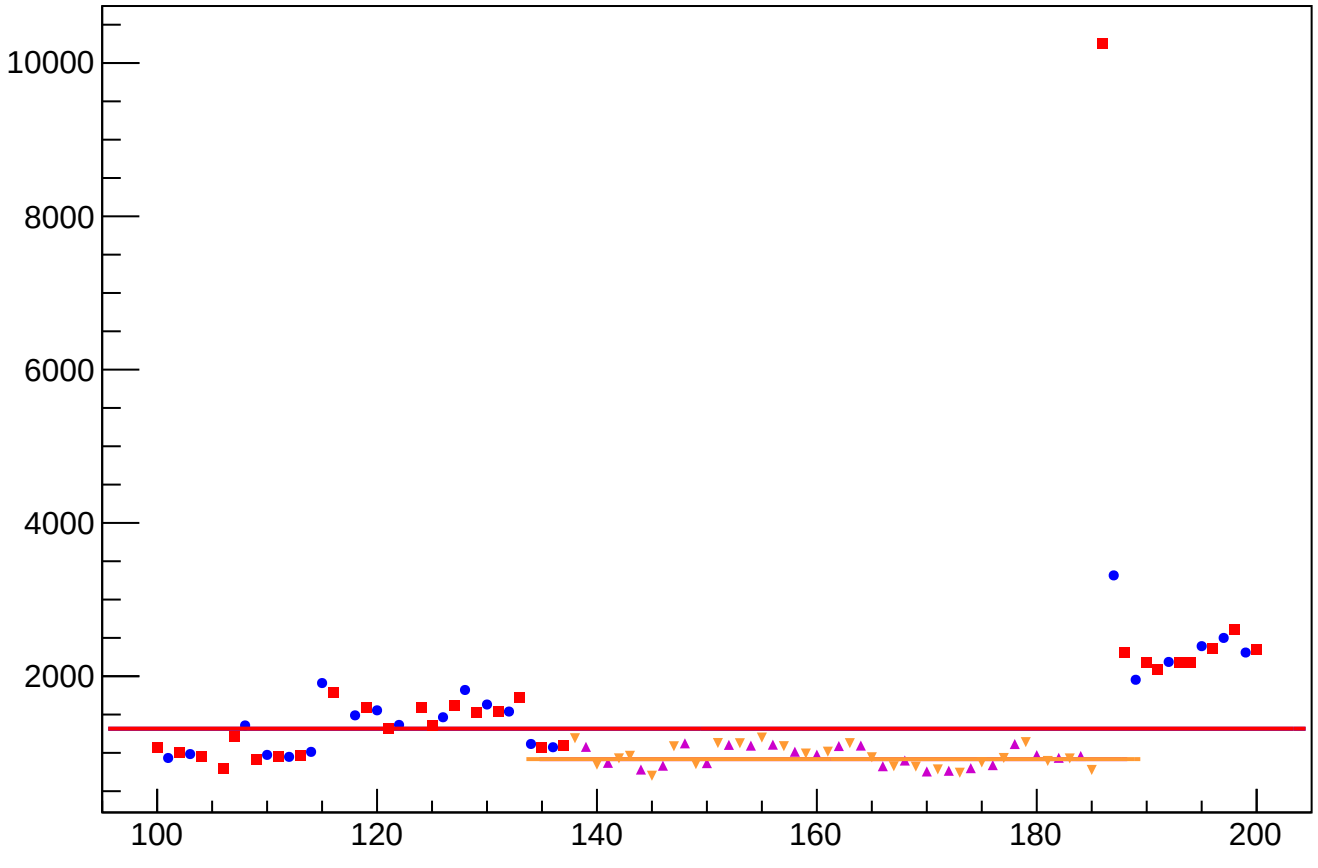
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 426.990+/-282.429 χ^2/NDF: 58.0/49

In: -7.072+/-192.154 χ^2/NDF:52.7/44

Out: -451.518+/-185.854 χ^2/NDF:96.7/52

All: -236.700+/-133.590 χ^2/NDF: 152.1/97



Right In: 1314.284+/-0.292 χ^2/NDF: 2540762.7/21

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

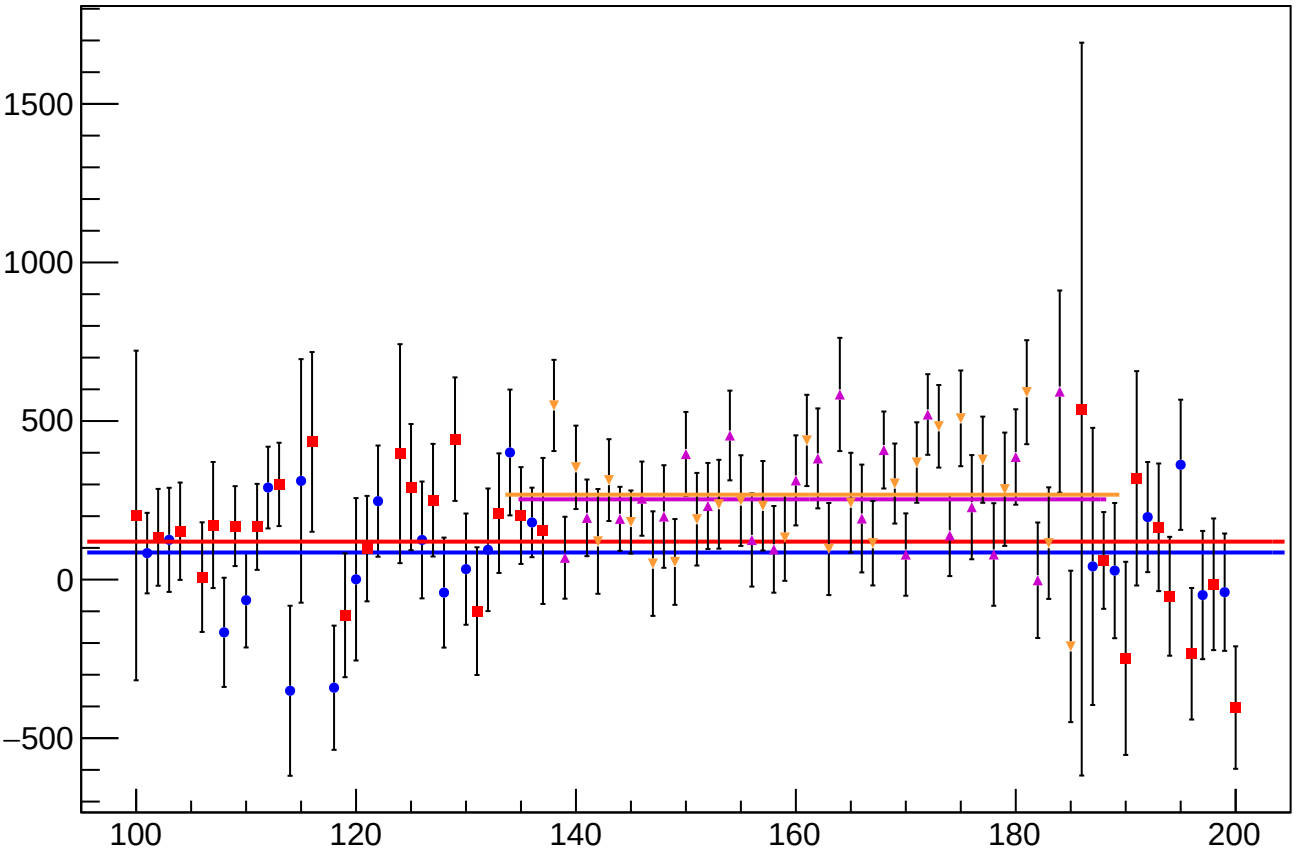
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1315.213+/-0.200 χ^2/NDF: 6505698.4/49

In: 1004.194+/-0.136 χ^2/NDF:4651192.8/44

Out: 1009.915+/-0.131 χ^2/NDF:6473014.2/52

All: 1007.150+/-0.094 χ^2/NDF: 11125123.1/9



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

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

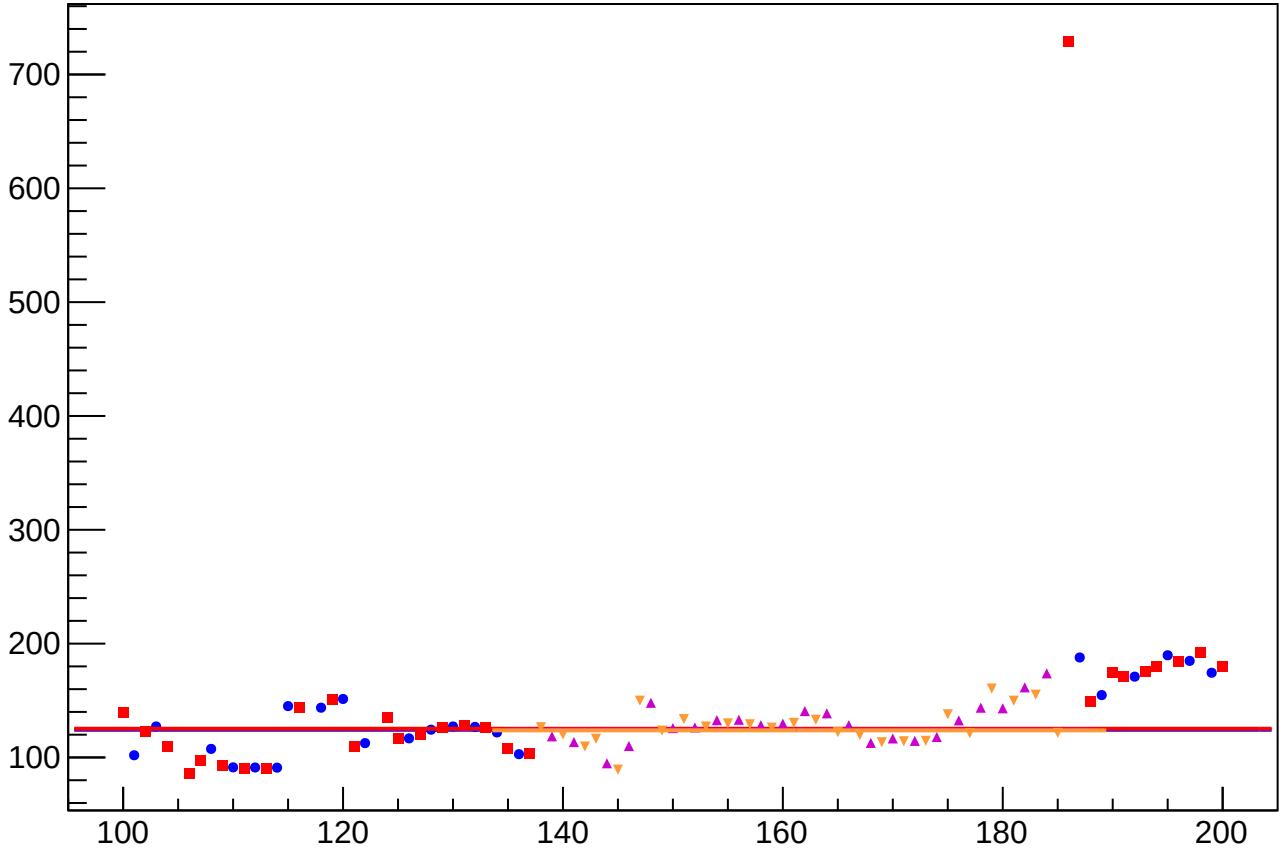
Right: 103.648+/-25.862 χ^2/NDF: 47.5/49

In: 190.045+/-23.156 χ^2/NDF:60.1/44

Out: 209.959+/-22.177 χ^2/NDF:67.1/52

All: 200.432+/-16.017 χ^2/NDF: 127.5/97

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

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

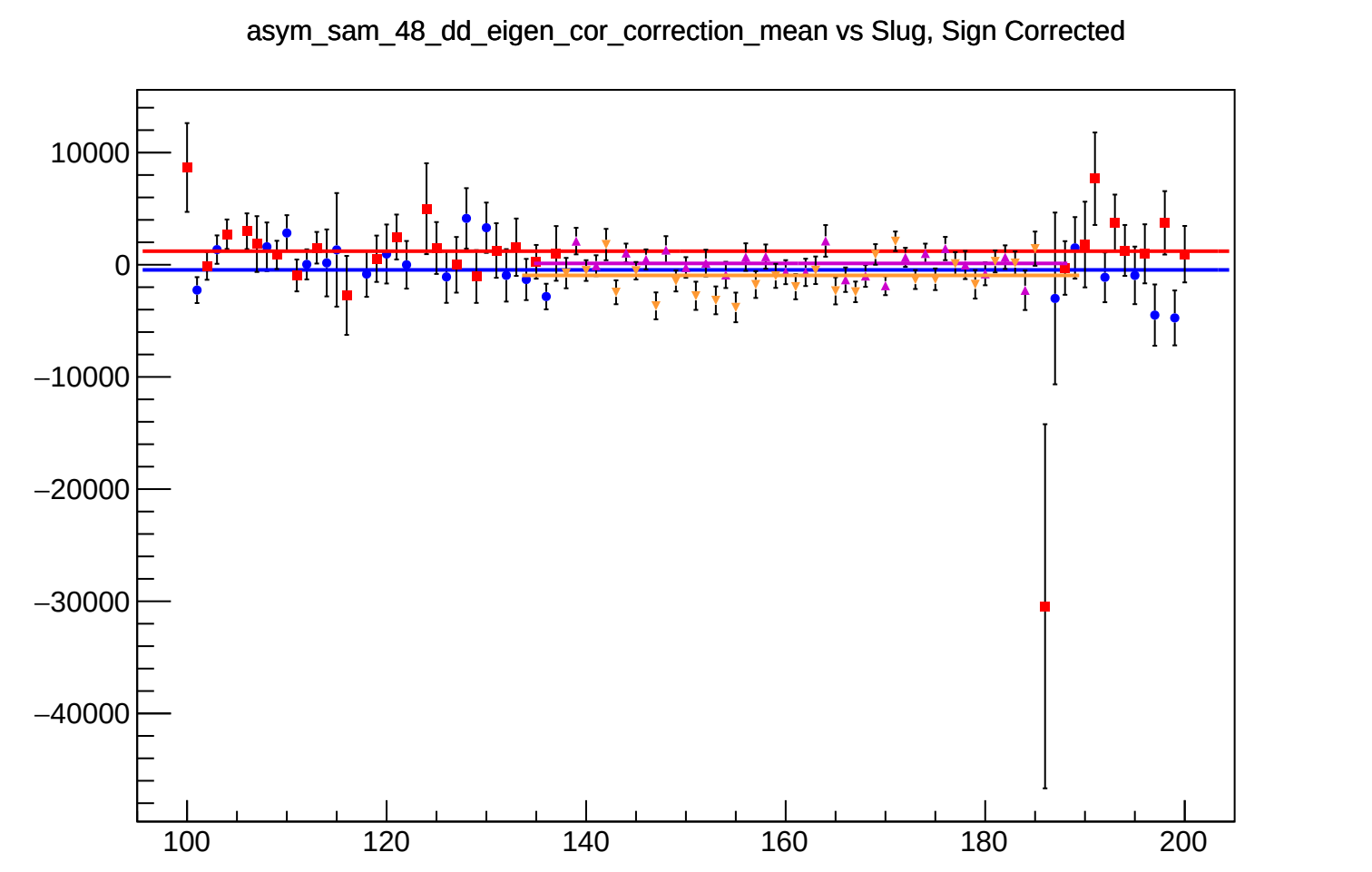
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 124.811+/-0.018 χ^2/NDF: 3427932.6/49

In: 124.298+/-0.016 χ^2/NDF:1794962.3/44

Out: 124.353+/-0.016 χ^2/NDF:2790003.8/52

All: 124.327+/-0.011 χ^2/NDF: 4584971.9/97



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

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

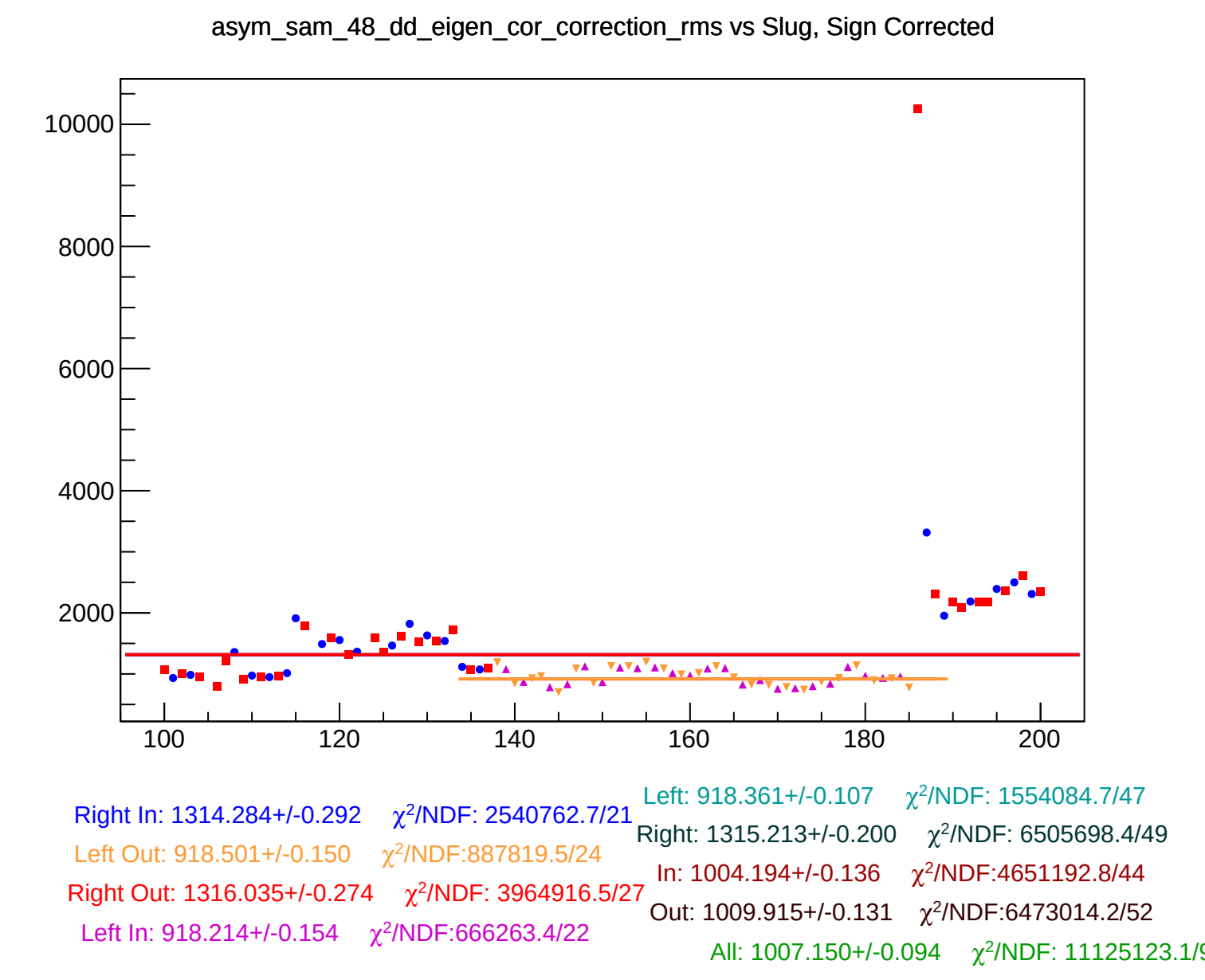
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 426.990+/-282.429 χ^2/NDF: 58.0/49

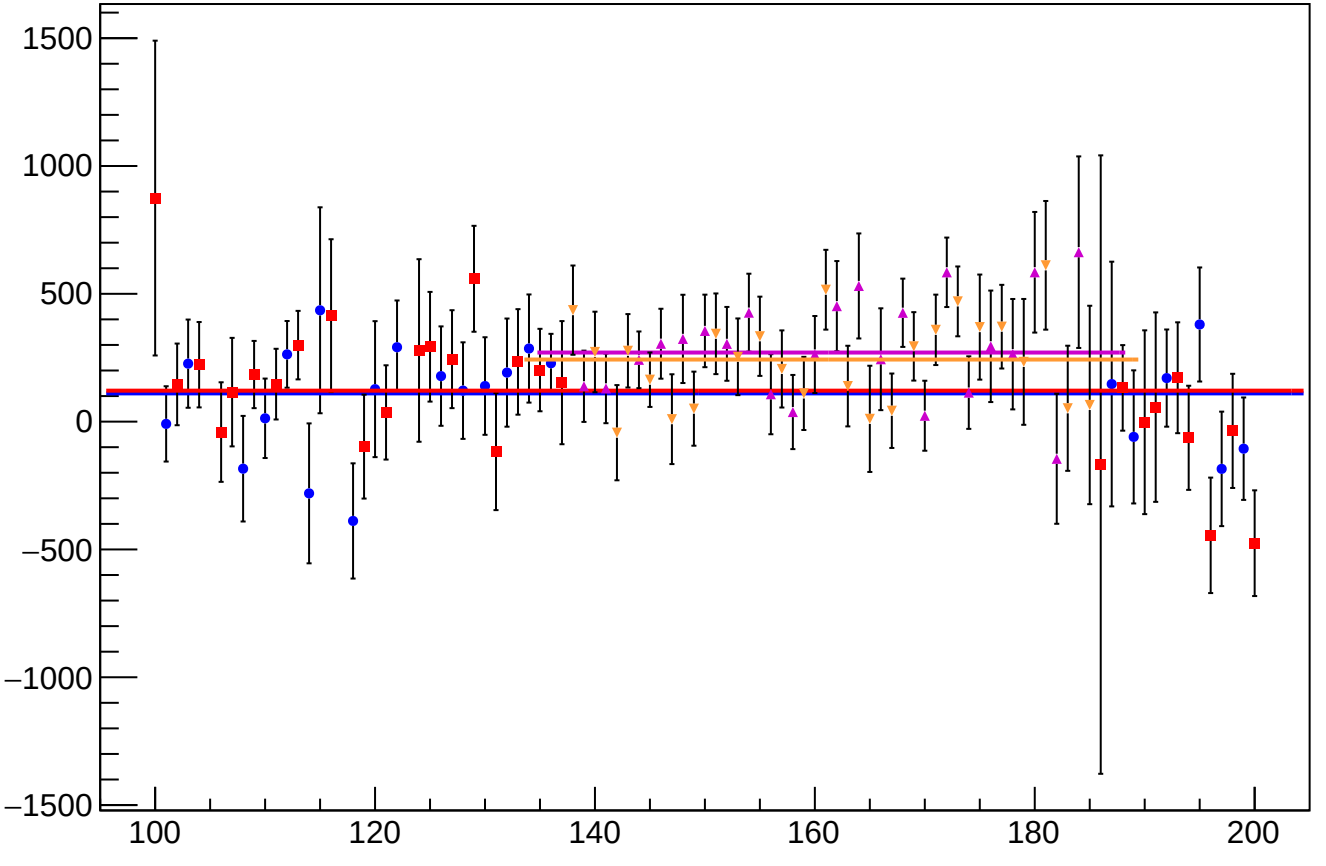
In: -7.072+/-192.154 χ^2/NDF:52.7/44

Out: -451.518+/-185.854 χ^2/NDF:96.7/52

All: -236.700+/-133.590 χ^2/NDF: 152.1/97


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: 1314.284+/-0.292 χ²/NDF: 2540762.7/21
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: 1315.213+/-0.200 χ²/NDF: 6505698.4/49
In: 1004.194+/-0.136 χ²/NDF:4651192.8/44
Out: 1009.915+/-0.131 χ²/NDF:6473014.2/52
All: 1007.150+/-0.094 χ²/NDF: 11125123.1/9

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 110.469+/-40.812 χ^2/NDF: 20.4/21

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

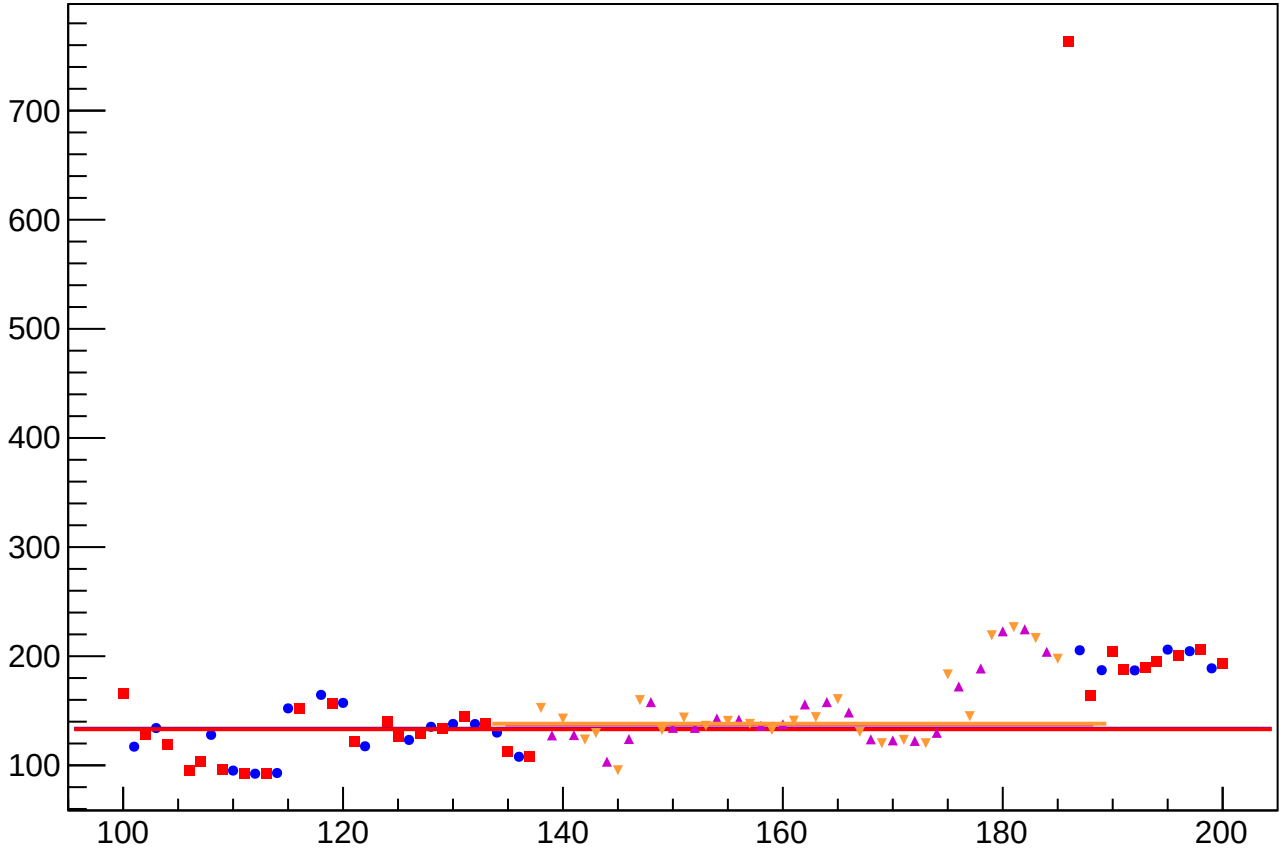
Right: 116.204+/-27.784 χ^2/NDF: 50.9/49

In: 207.326+/-25.611 χ^2/NDF:56.4/44

Out: 192.019+/-24.520 χ^2/NDF:60.1/52

All: 199.340+/-17.711 χ^2/NDF: 116.8/97

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 133.497+/-0.029 χ^2/NDF: 1426567.8/21

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

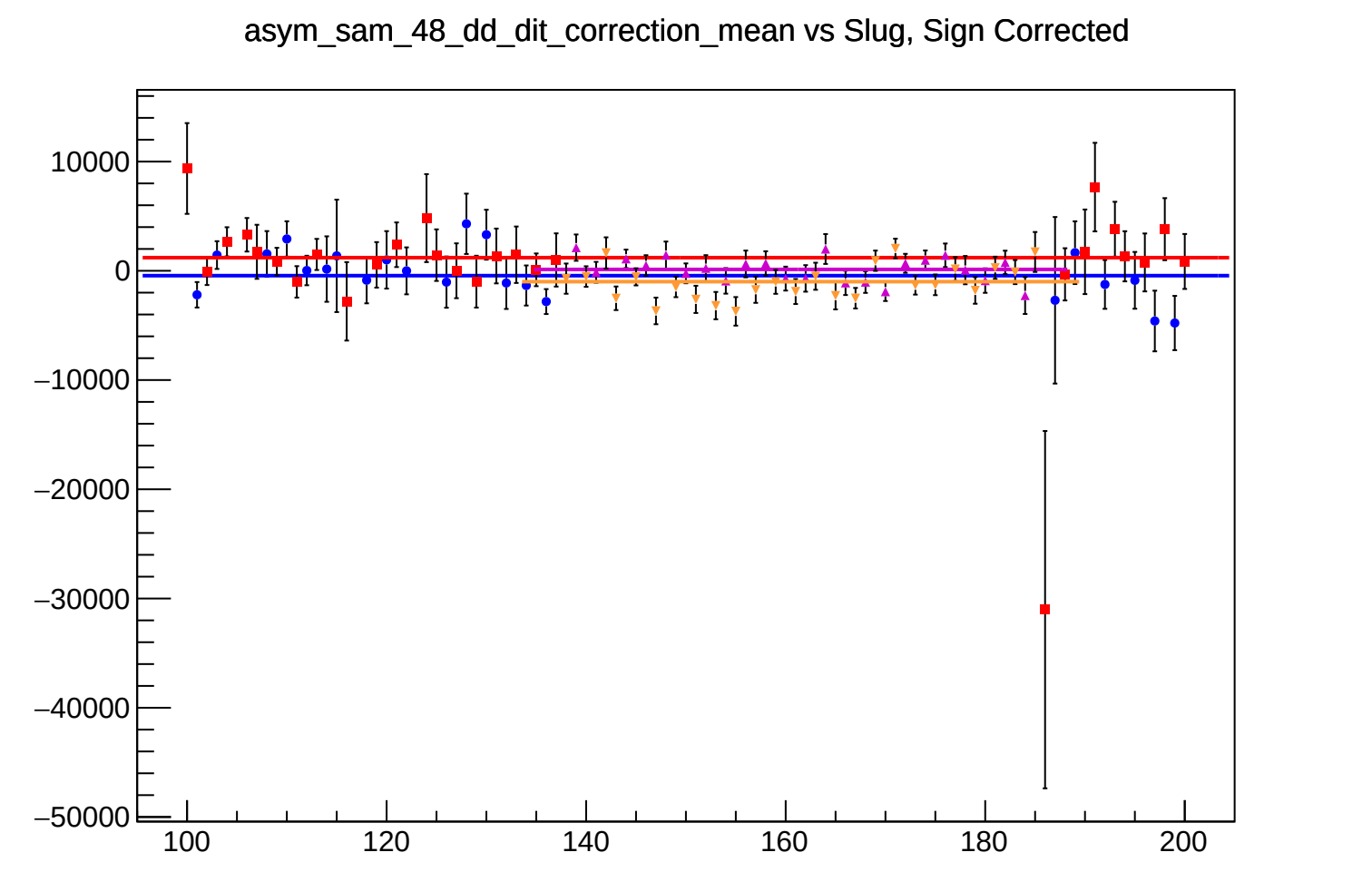
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 133.287+/-0.020 χ^2/NDF: 3794982.2/49

In: 135.918+/-0.018 χ^2/NDF:2547514.1/44

Out: 136.029+/-0.017 χ^2/NDF:3727028.7/52

All: 135.976+/-0.013 χ^2/NDF: 6274562.2/97



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

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

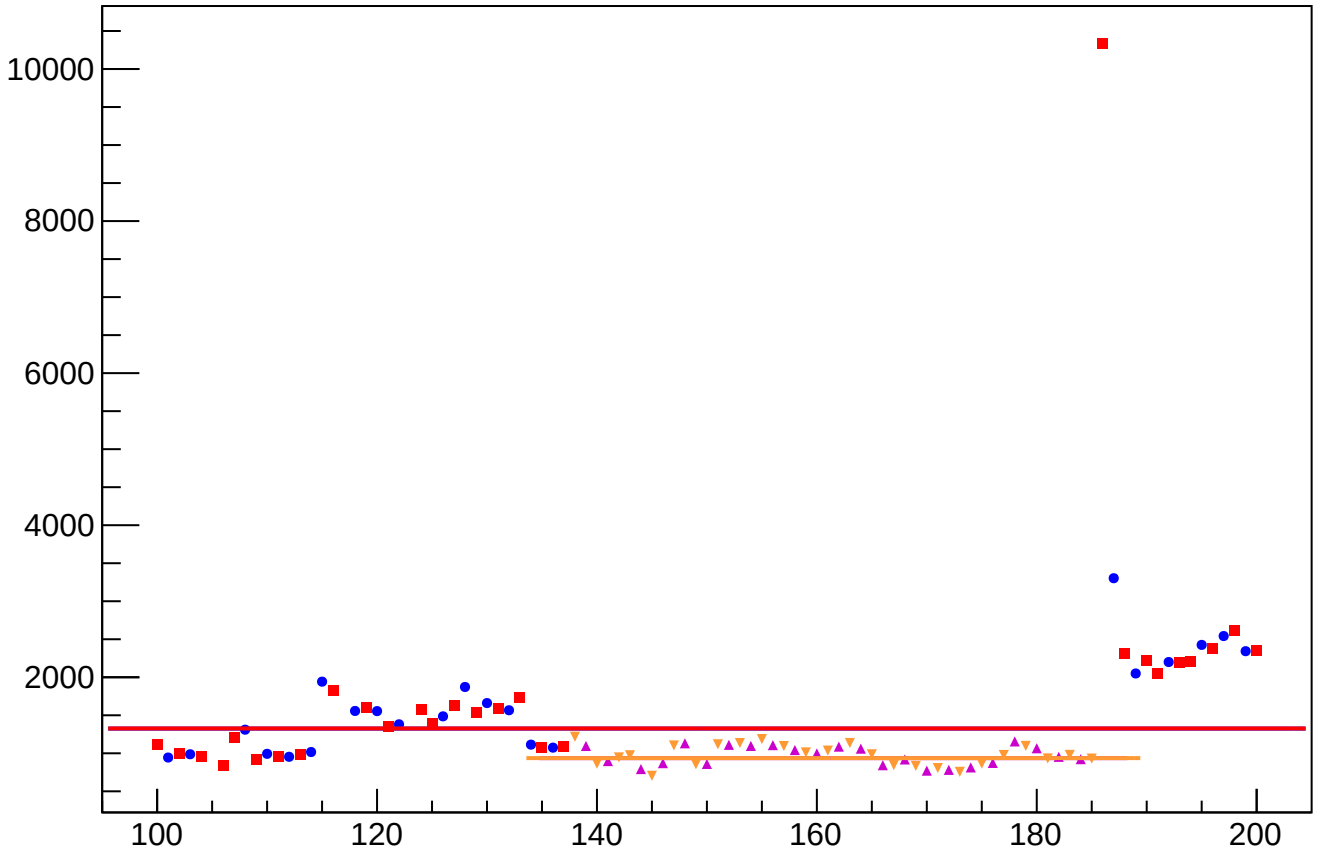
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 433.416+/-284.367 χ^2/NDF: 58.6/49

In: -0.863+/-195.431 χ^2/NDF:52.1/44

Out: -477.943+/-188.668 χ^2/NDF:94.7/52

All: -247.799+/-135.736 χ^2/NDF: 149.9/97



Right In: 1324.795+/-0.294 χ^2/NDF: 2603573.0/21

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

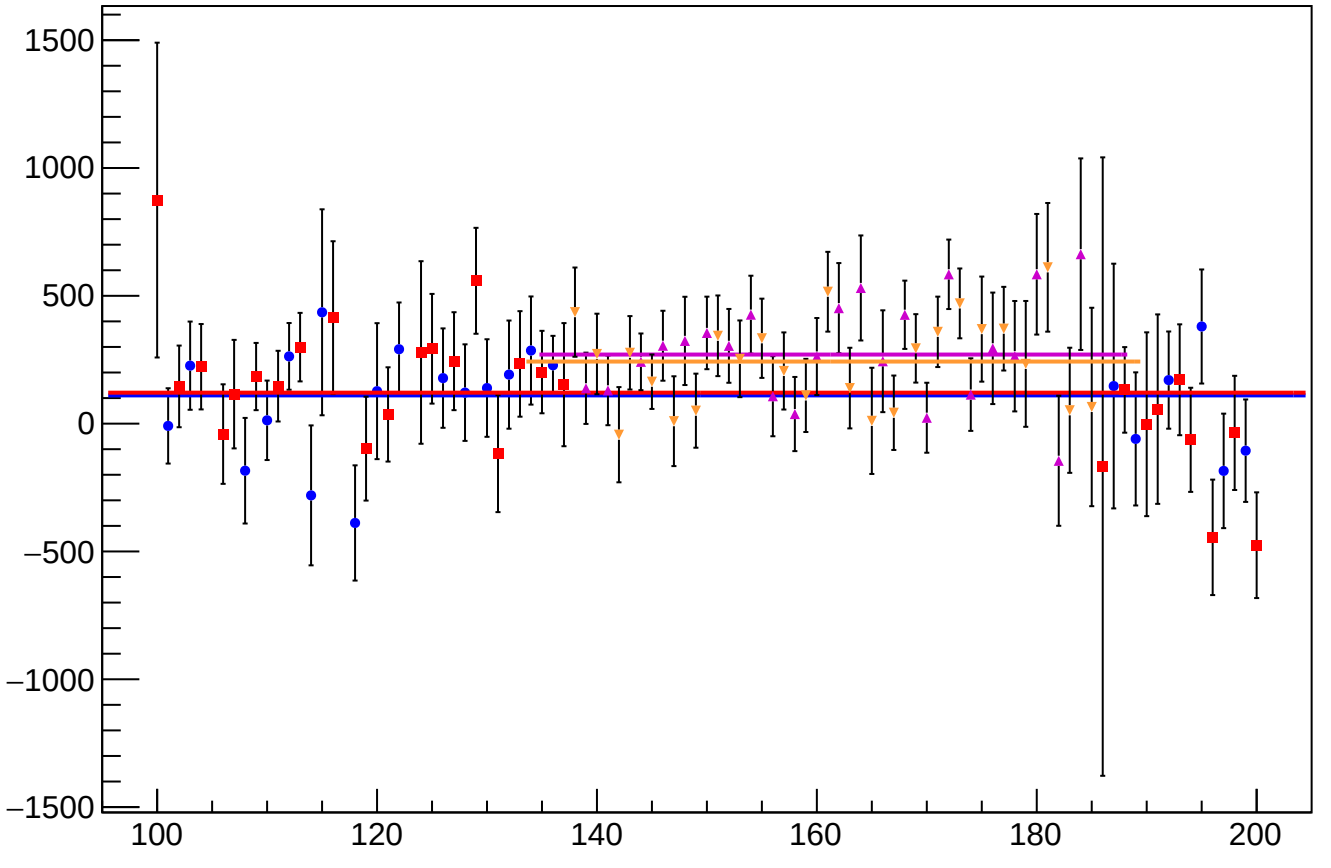
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1325.790+/-0.201 χ^2/NDF: 6556501.7/49

In: 1022.064+/-0.138 χ^2/NDF:4604628.6/44

Out: 1028.217+/-0.133 χ^2/NDF:6319234.1/52

All: 1025.249+/-0.096 χ^2/NDF: 10924888.7/9



Right In: 110.471+/-40.812 χ^2/NDF: 20.4/21

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

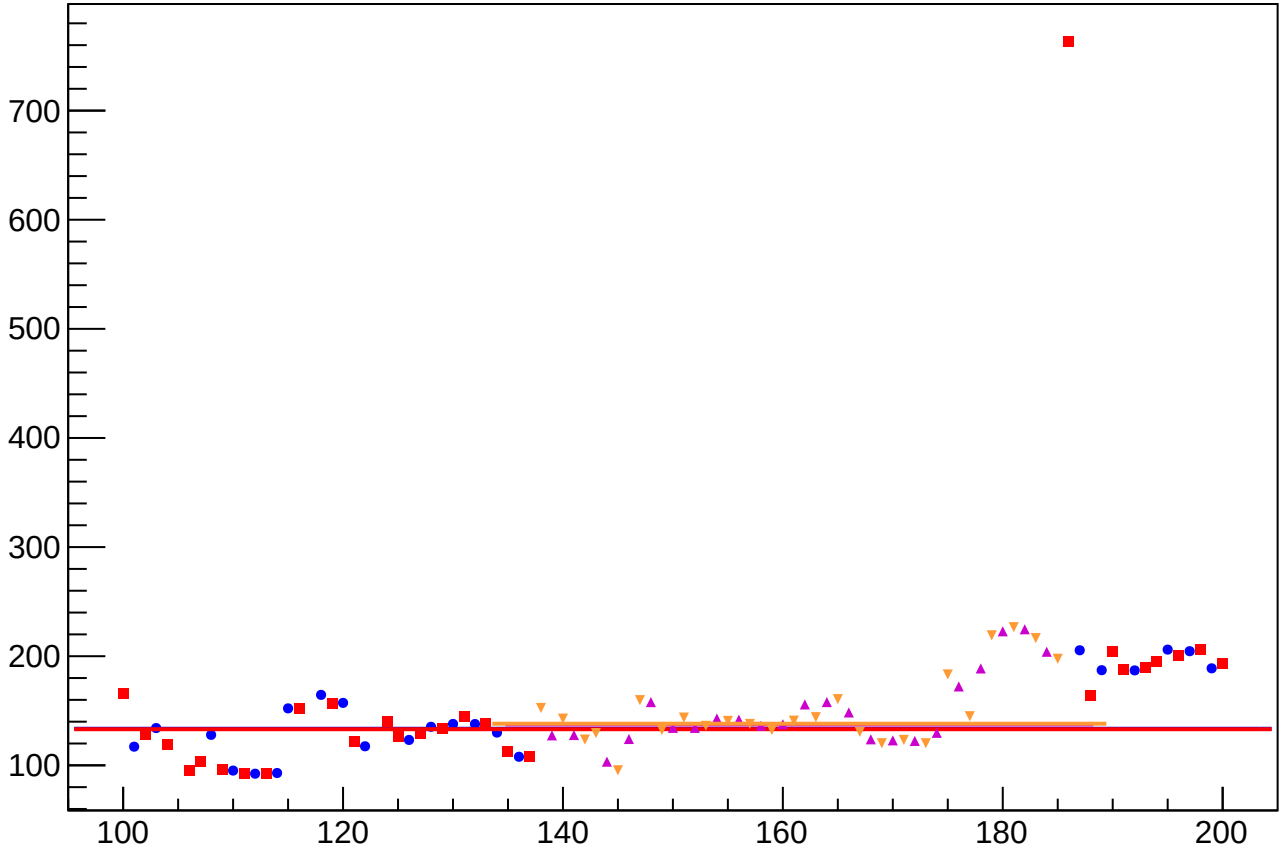
Right: 116.205+/-27.784 χ^2/NDF: 50.9/49

In: 207.328+/-25.611 χ^2/NDF:56.4/44

Out: 192.020+/-24.520 χ^2/NDF:60.1/52

All: 199.341+/-17.711 χ^2/NDF: 116.8/97

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 133.497+/-0.029 χ^2/NDF: 1426560.3/21

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

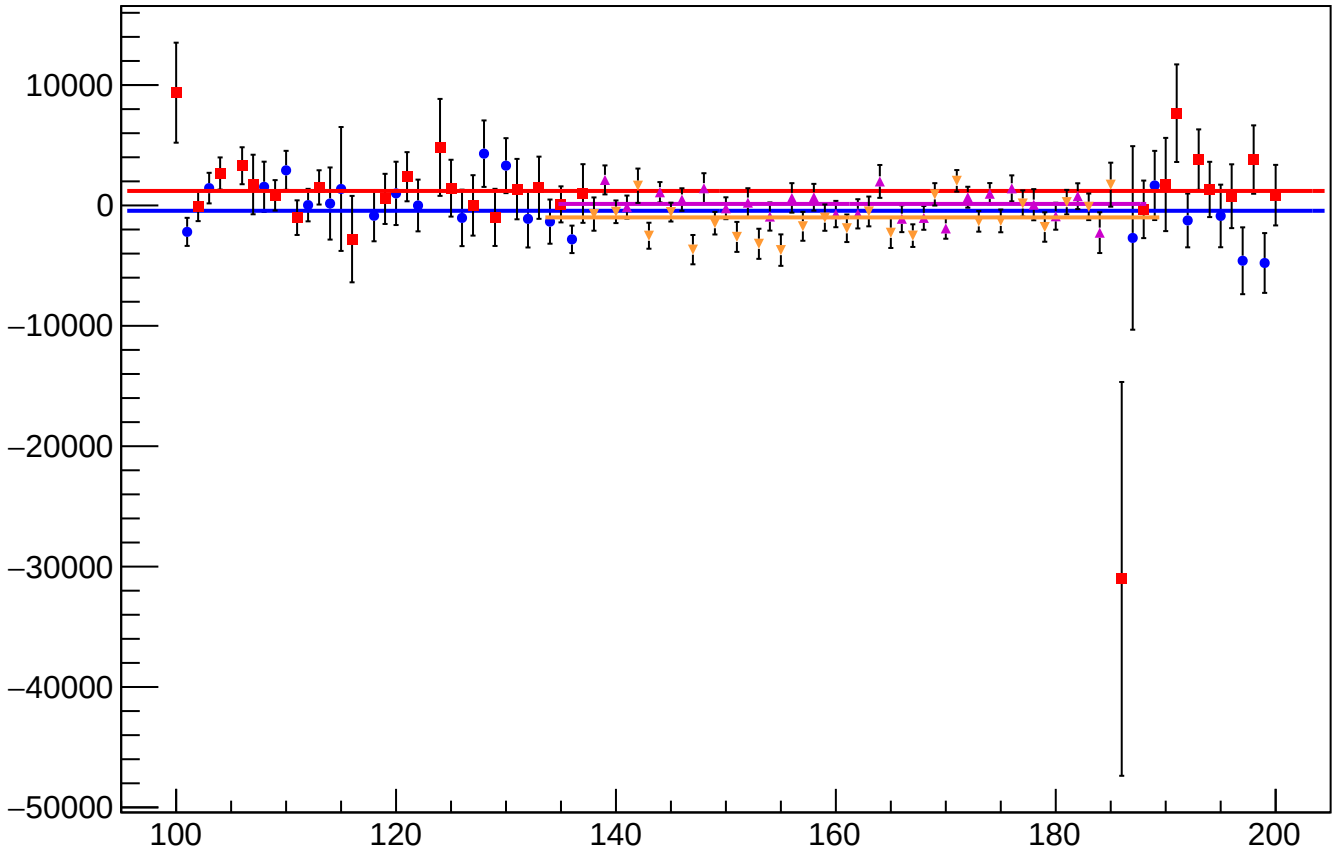
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 133.287+/-0.020 χ^2/NDF: 3794977.8/49

In: 135.918+/-0.018 χ^2/NDF:2547493.0/44

Out: 136.029+/-0.017 χ^2/NDF:3727035.2/52

All: 135.976+/-0.013 χ^2/NDF: 6274547.6/97



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

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

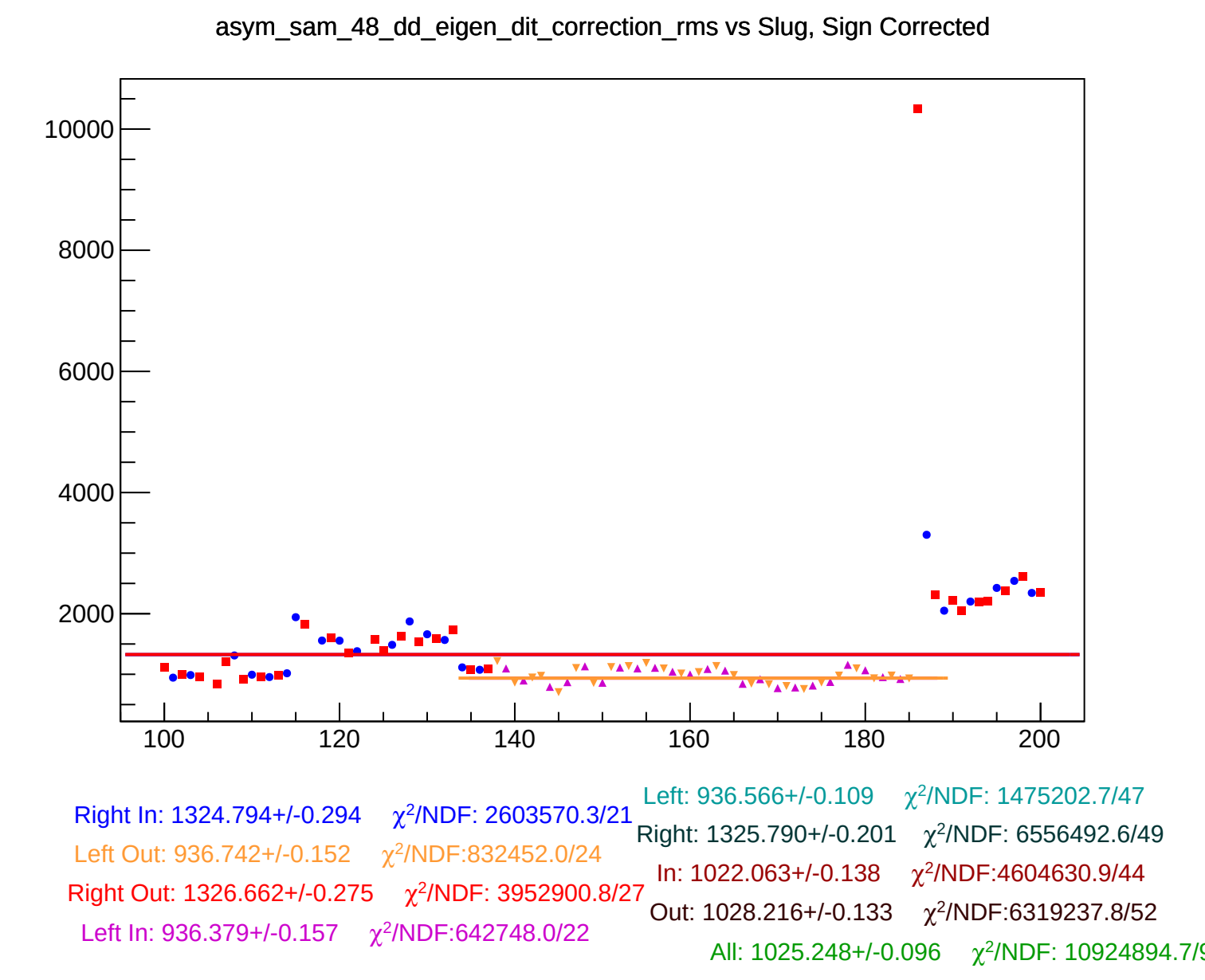
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 433.416+/-284.366 χ^2/NDF: 58.6/49

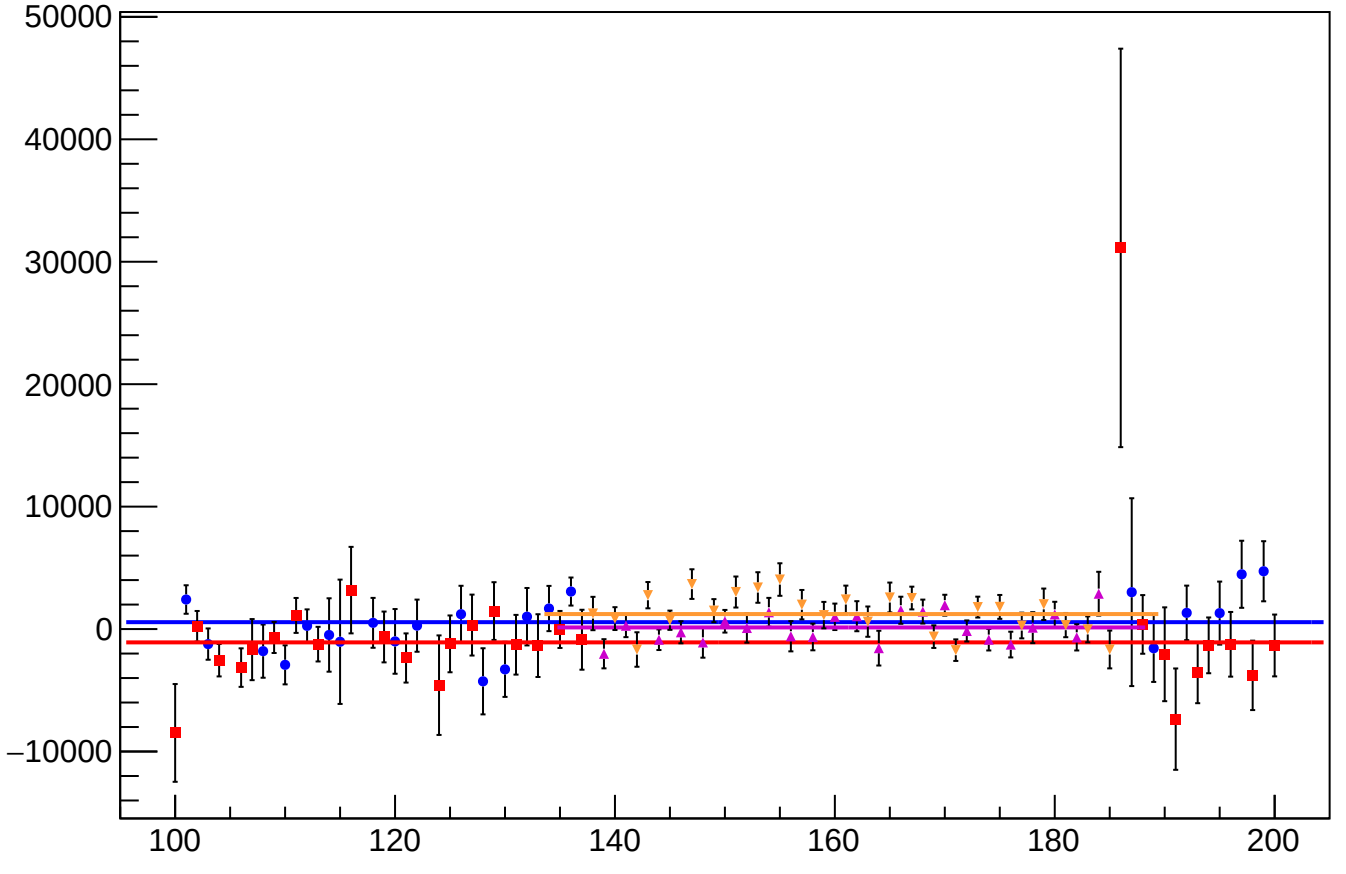
In: -0.863+/-195.431 χ^2/NDF:52.1/44

Out: -477.942+/-188.668 χ^2/NDF:94.7/52

All: -247.799+/-135.736 χ^2/NDF: 149.9/97


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1324.794+/-0.294 χ²/NDF: 2603570.3/21
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1326.662+/-0.275 χ²/NDF: 3952900.8/27
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1325.790+/-0.201 χ²/NDF: 6556492.6/49
In: 1022.063+/-0.138 χ²/NDF:4604630.9/44
Out: 1028.216+/-0.133 χ²/NDF:6319237.8/52
All: 1025.248+/-0.096 χ²/NDF: 10924894.7/9

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 563.794+/-414.494 χ^2/NDF: 28.3/21

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

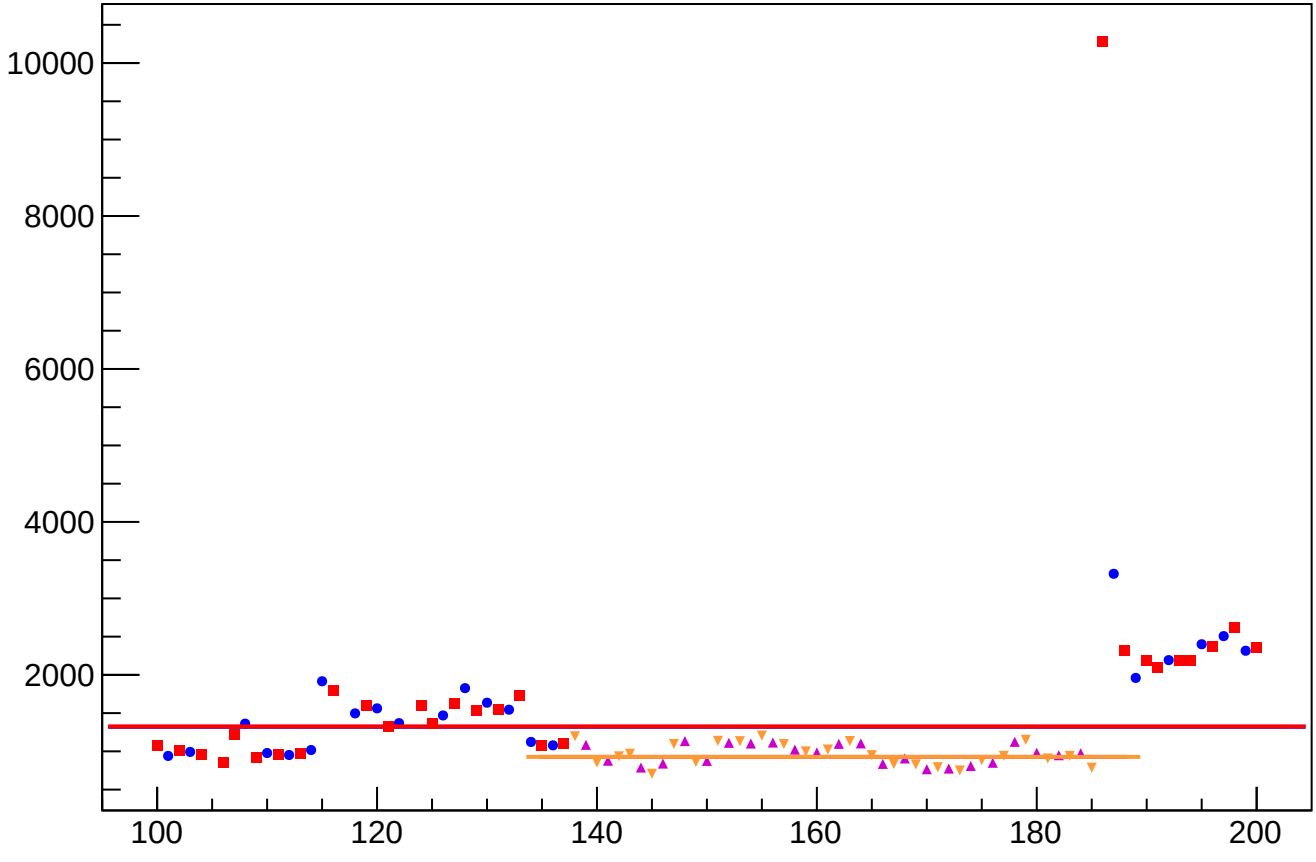
Right: -314.296+/-283.655 χ^2/NDF: 60.0/49

In: 227.071+/-193.826 χ^2/NDF:55.0/44

Out: 688.718+/-187.396 χ^2/NDF:98.9/52

All: 465.679+/-134.725 χ^2/NDF: 156.8/97

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1321.458+/-0.293 χ^2/NDF: 2523922.8/21

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

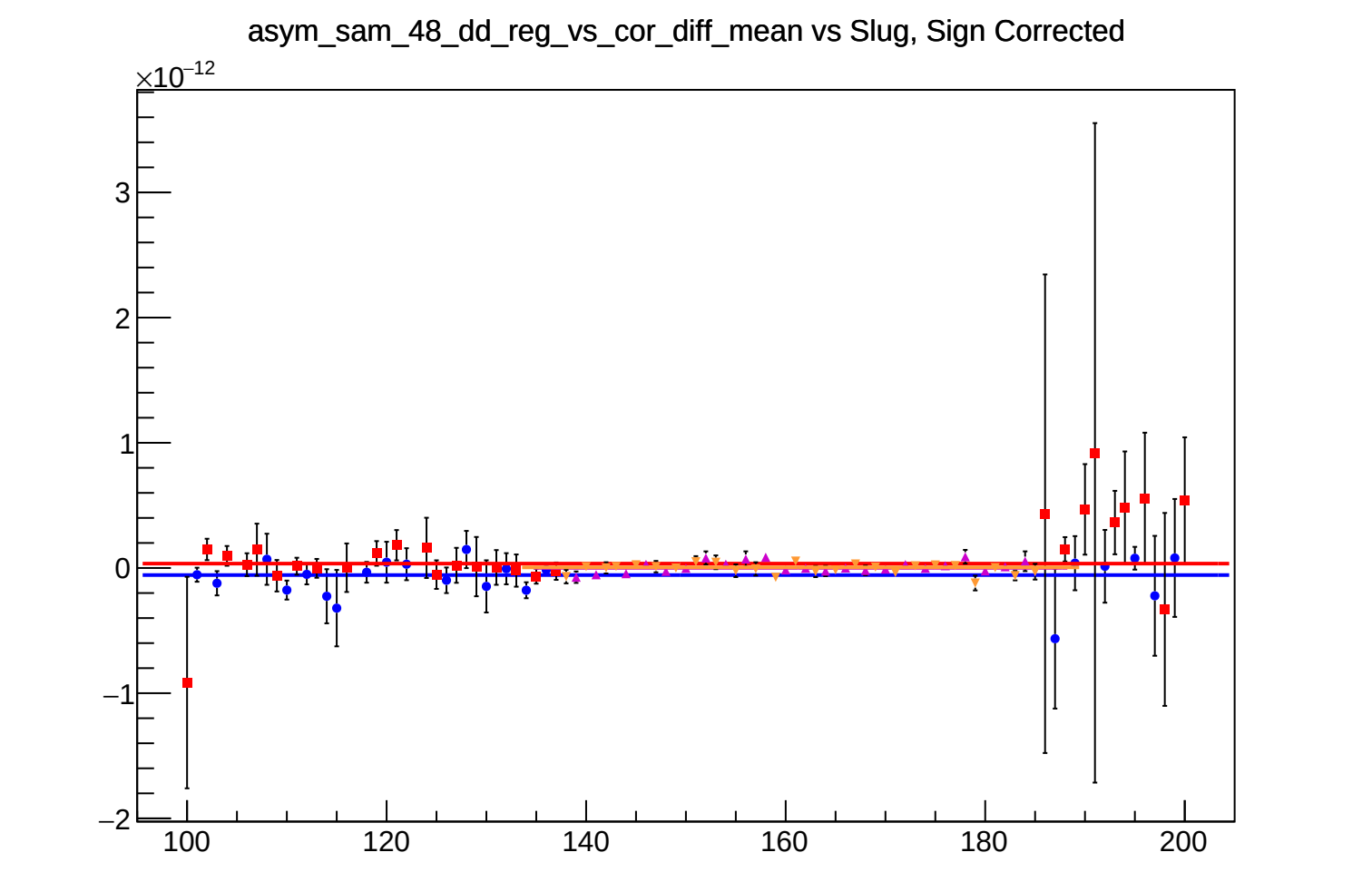
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

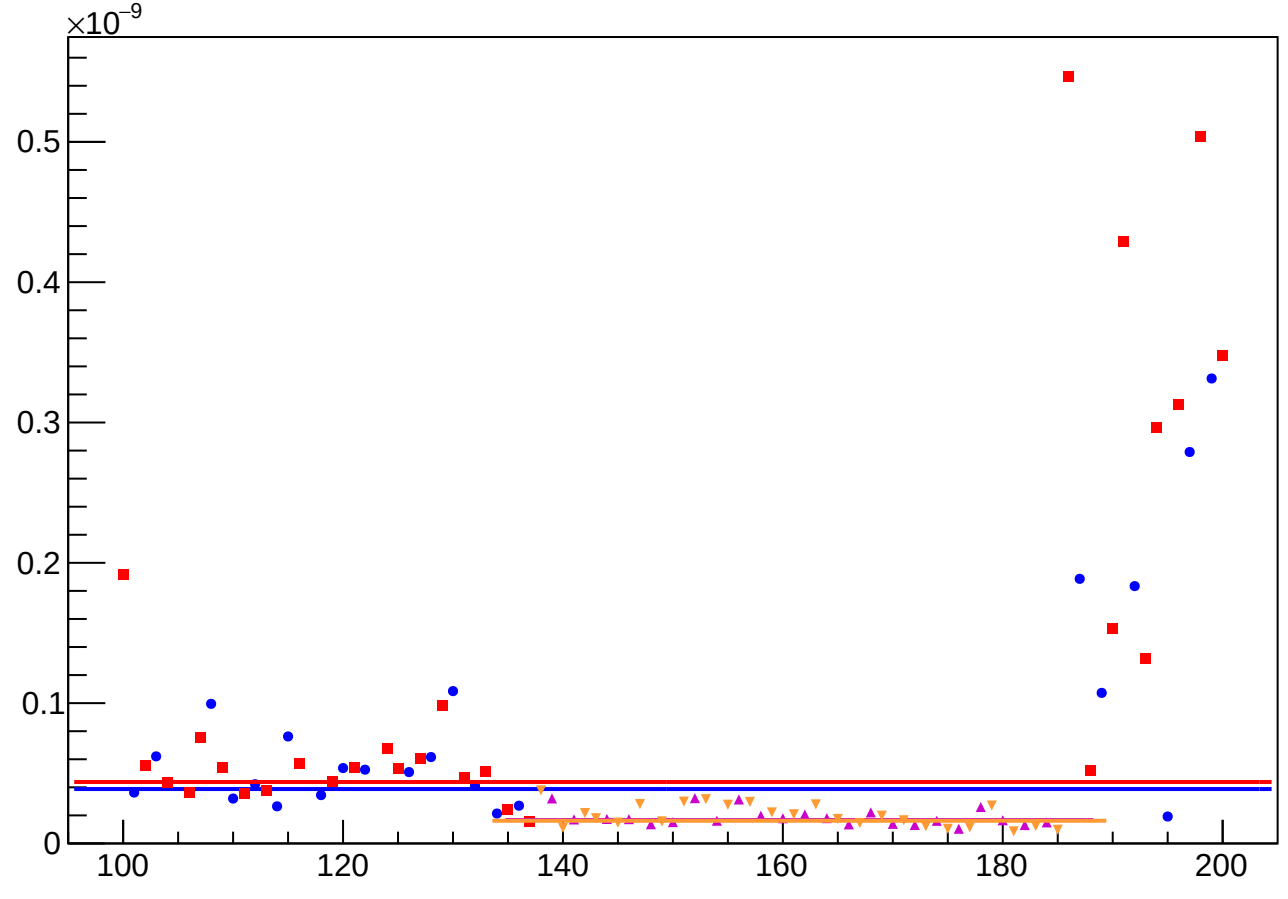
Right: 1323.276+/-0.201 χ^2/NDF: 6437401.4/49

In: 1013.507+/-0.137 χ^2/NDF:4593402.1/44

Out: 1019.797+/-0.133 χ^2/NDF:6390278.3/52

All: 1016.758+/-0.095 χ^2/NDF: 10984769.0/9


asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.1/21
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/27
Left In: 0.000+/-0.000 χ²/NDF:27.7/22
Left: 0.000+/-0.000 χ²/NDF: 53.3/47
Right: -0.000+/-0.000 χ²/NDF: 44.7/49
In: -0.000+/-0.000 χ²/NDF:50.6/44
Out: 0.000+/-0.000 χ²/NDF:46.8/52
All: 0.000+/-0.000 χ²/NDF: 99.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 3217355.0/21

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

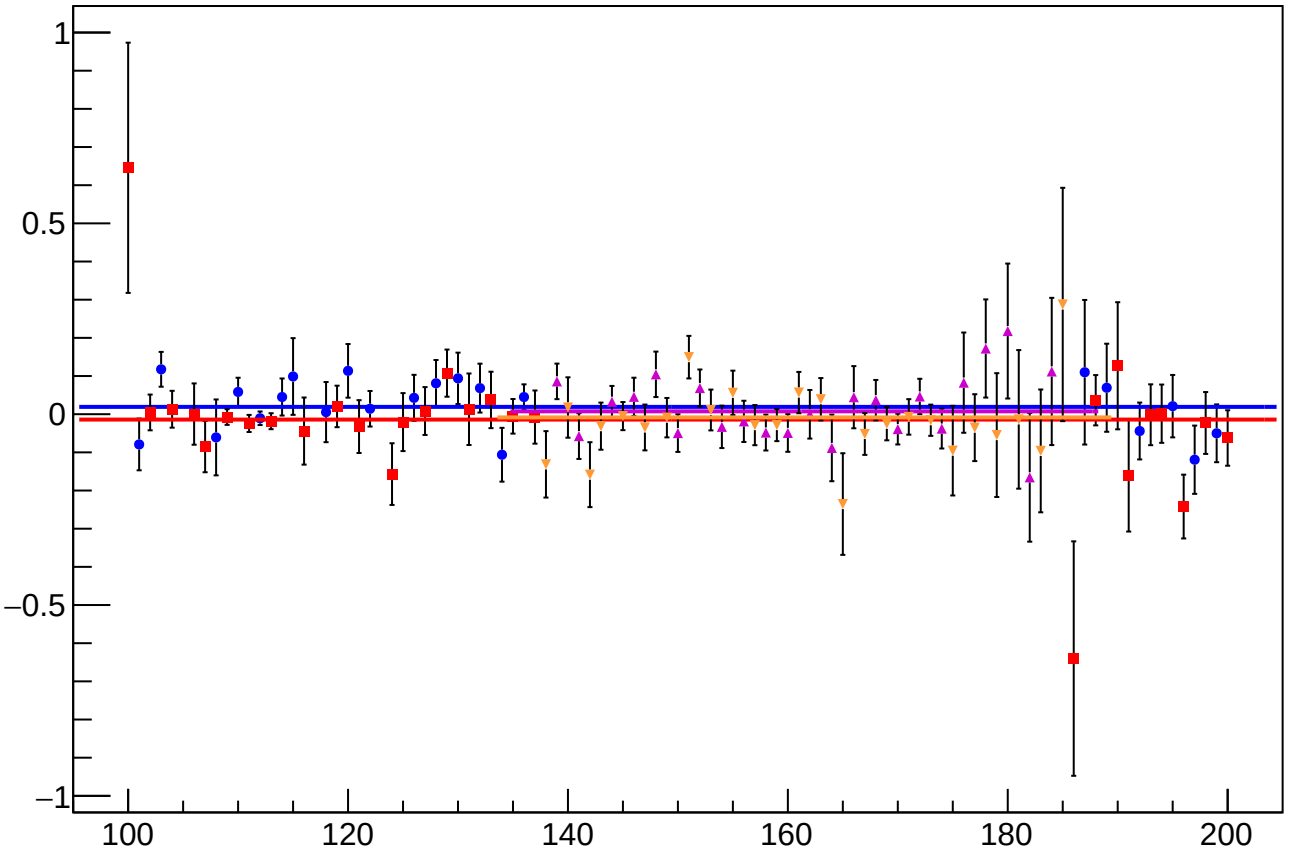
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7447673.1/49

In: 0.000+/-0.000 χ^2/NDF:6148548.9/44

Out: 0.000+/-0.000 χ^2/NDF:9026021.3/52

All: 0.000+/-0.000 χ^2/NDF: 15179930.6/97



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

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

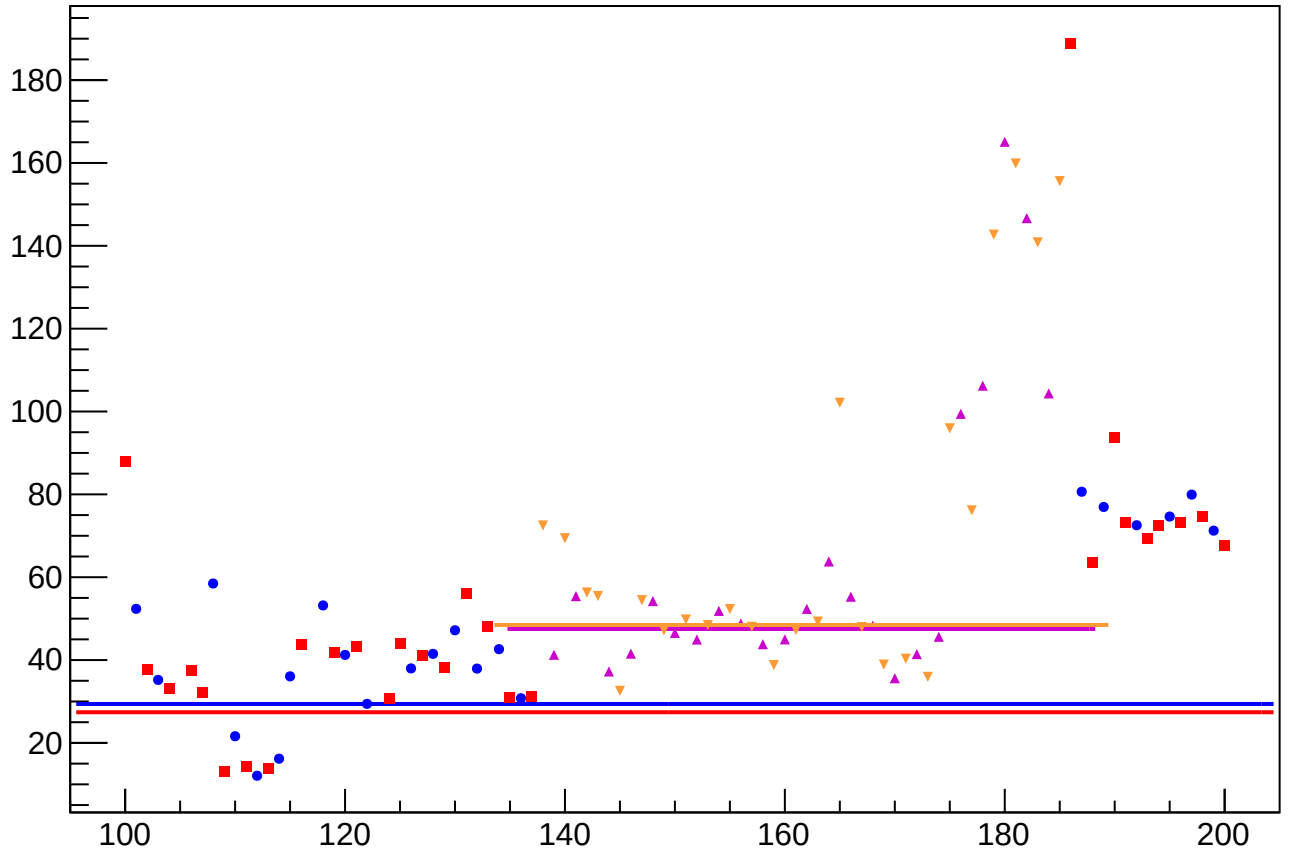
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.000+/-0.007 χ^2/NDF: 59.6/49

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: 0.000+/-0.005 χ^2/NDF: 106.9/97



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

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

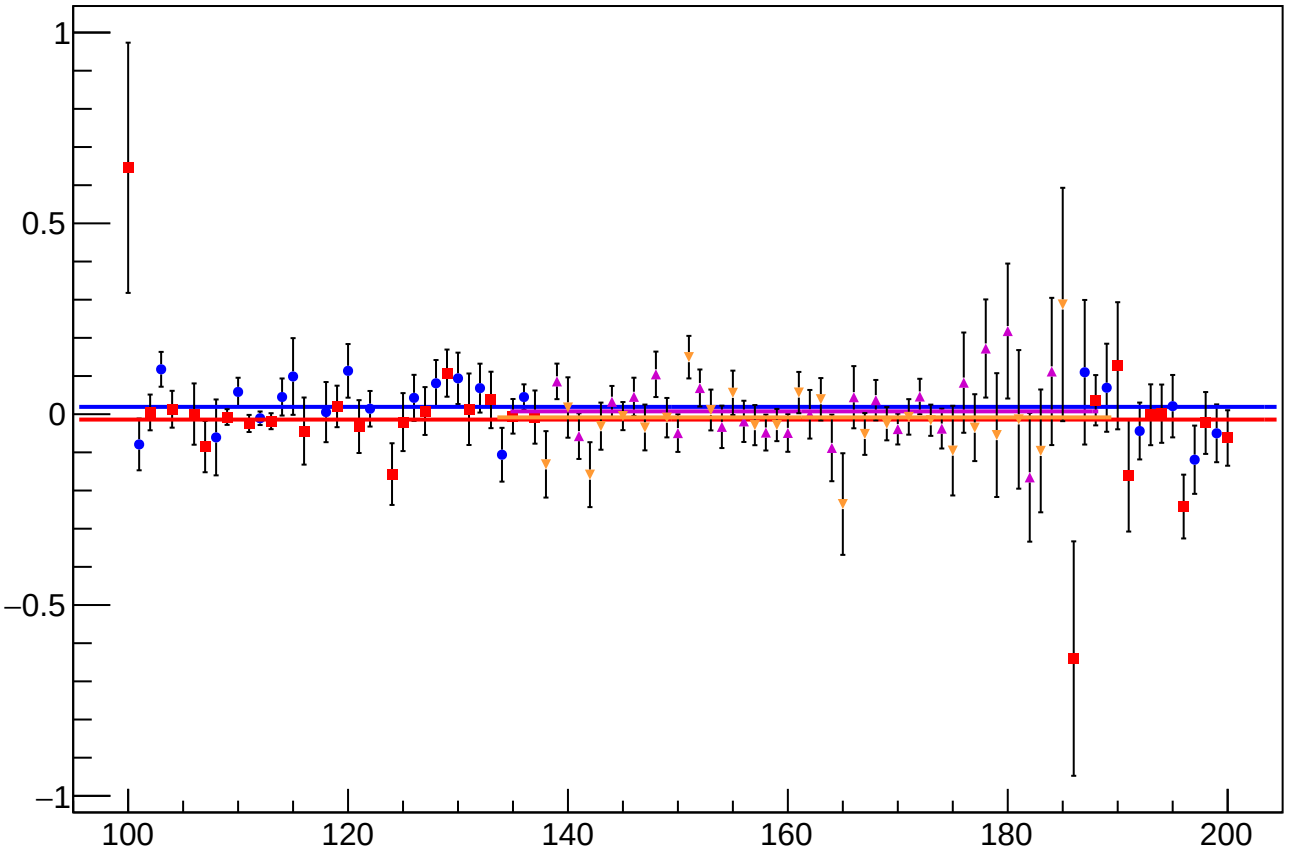
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 28.270+/-0.005 χ^2/NDF: 14691334.1/49

In: 37.312+/-0.006 χ^2/NDF:11838739.7/44

Out: 35.309+/-0.005 χ^2/NDF:16658451.0/52

All: 36.233+/-0.004 χ^2/NDF: 28565567.2/97



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

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

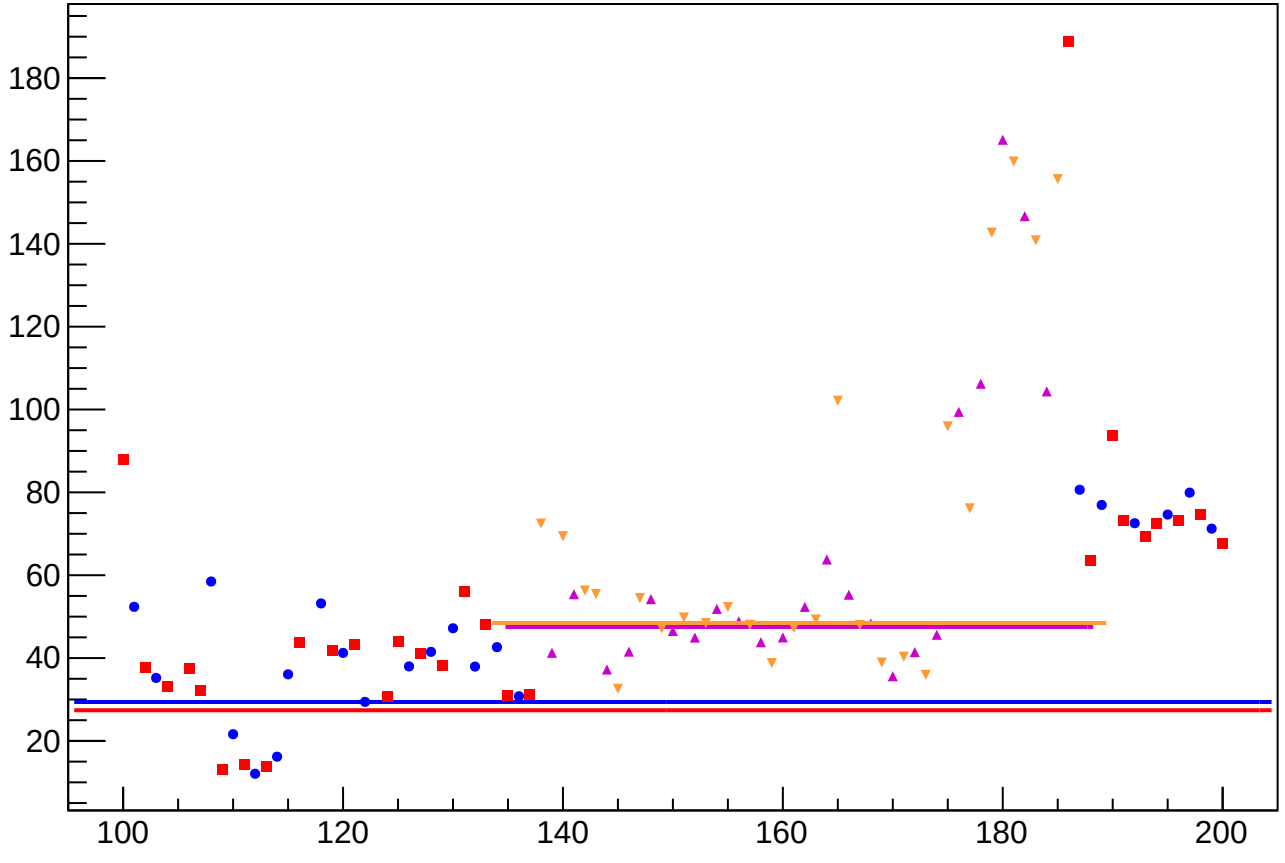
Right: 0.000+/-0.007 χ^2/NDF: 59.6/49

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: 0.000+/-0.005 χ^2/NDF: 106.9/97

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

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

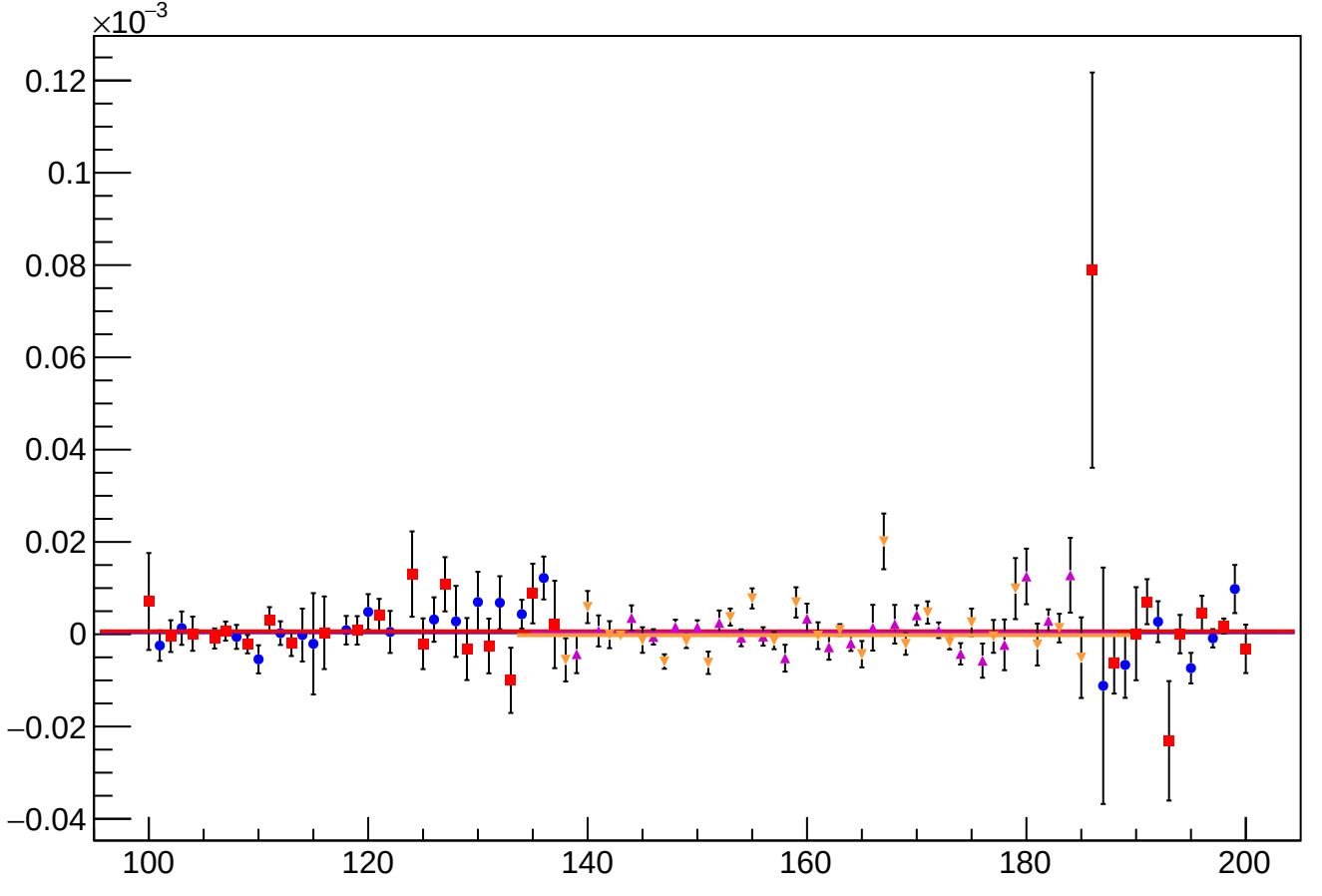
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 28.270+/-0.005 χ^2/NDF: 14691334.1/49

In: 37.312+/-0.006 χ^2/NDF:11838739.7/44

Out: 35.309+/-0.005 χ^2/NDF:16658451.0/52

All: 36.233+/-0.004 χ^2/NDF: 28565567.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/27

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

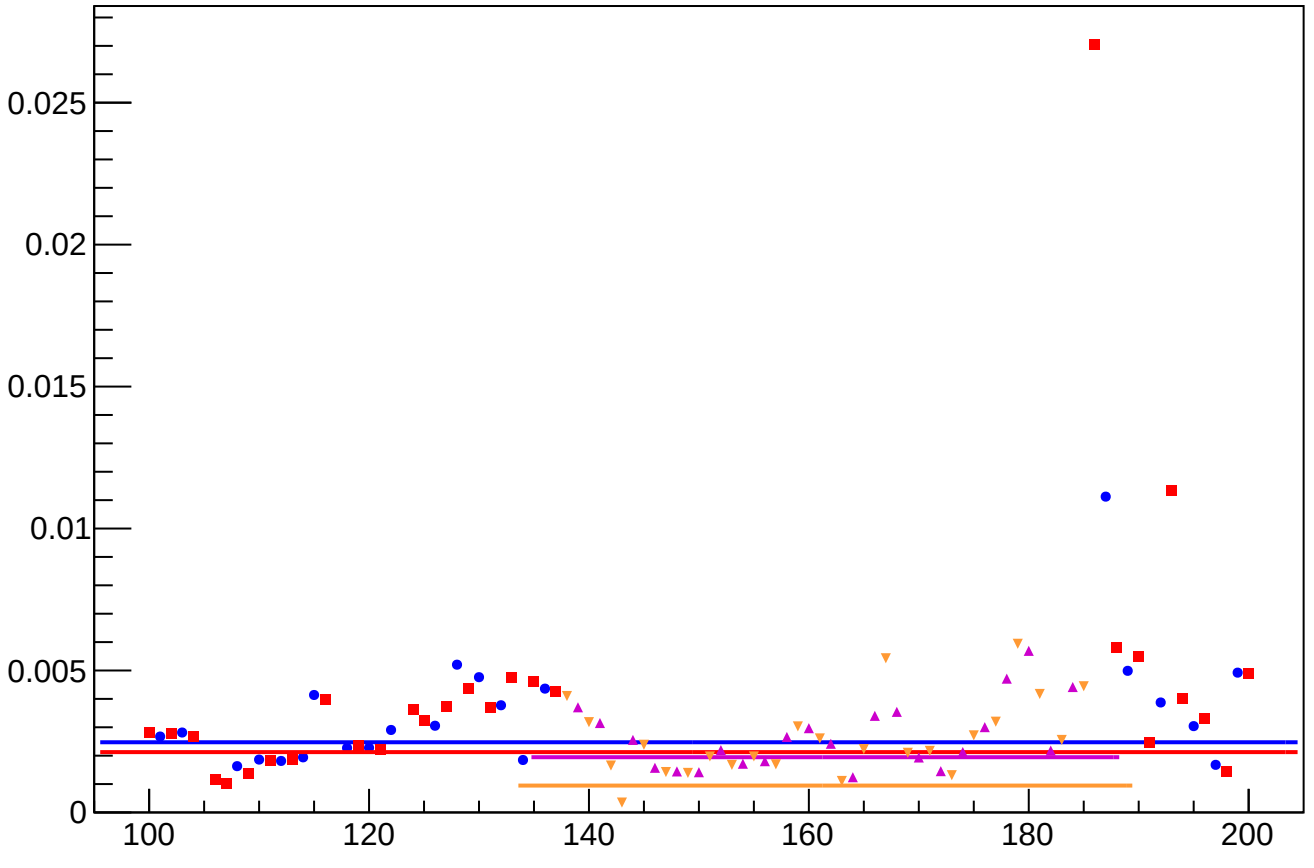
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 54.4/49

In: 0.000+/-0.000 χ^2/NDF:58.3/44

Out: -0.000+/-0.000 χ^2/NDF:99.9/52

All: 0.000+/-0.000 χ^2/NDF: 158.7/97



Right In: 0.002+/-0.000 χ^2/NDF: 3078630.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6912990.3/27

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

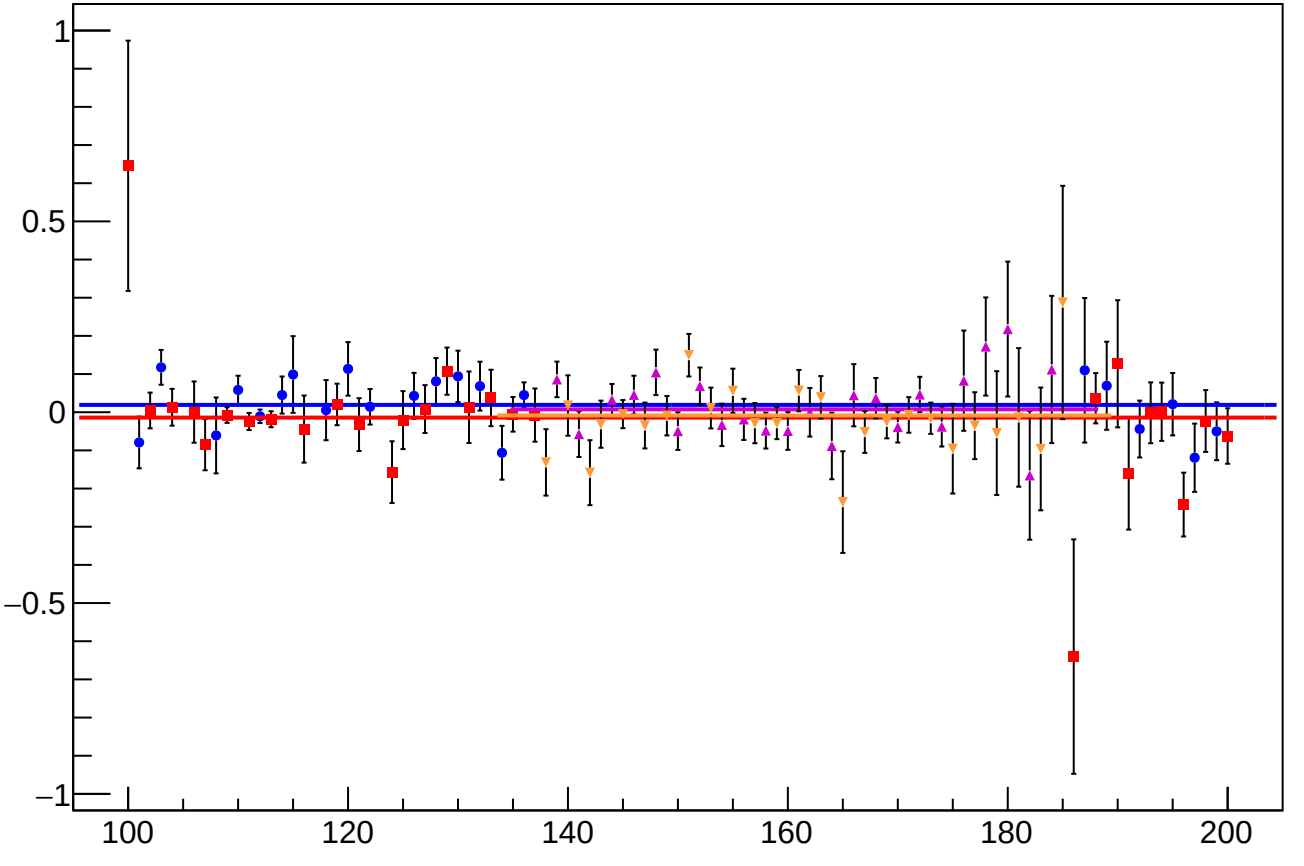
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 10208375.6/49

In: 0.002+/-0.000 χ^2/NDF:8062977.4/44

Out: 0.001+/-0.000 χ^2/NDF:29502970.8/52

All: 0.001+/-0.000 χ^2/NDF: 44704107.8/97



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

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

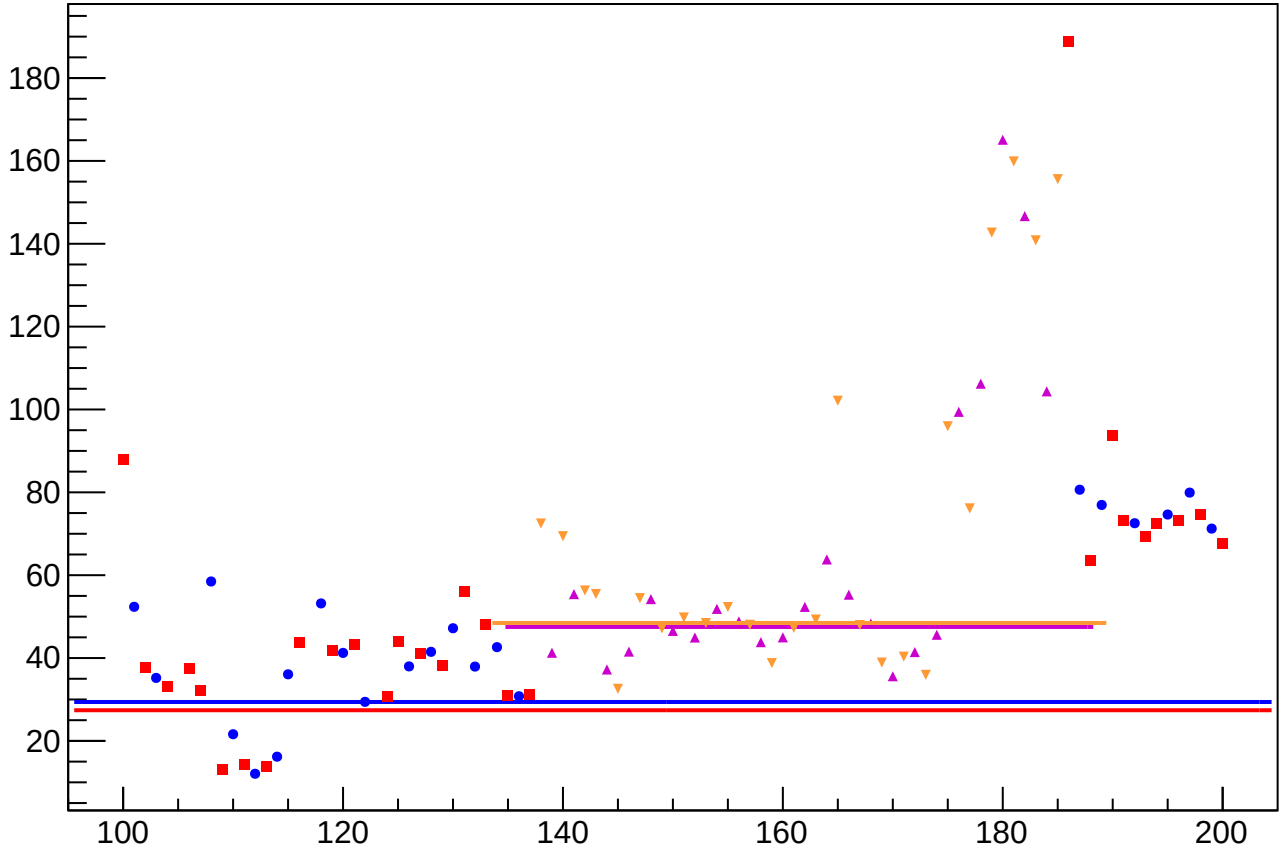
Right: 0.000+/-0.007 χ^2/NDF: 59.6/49

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: 0.000+/-0.005 χ^2/NDF: 106.9/97

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

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

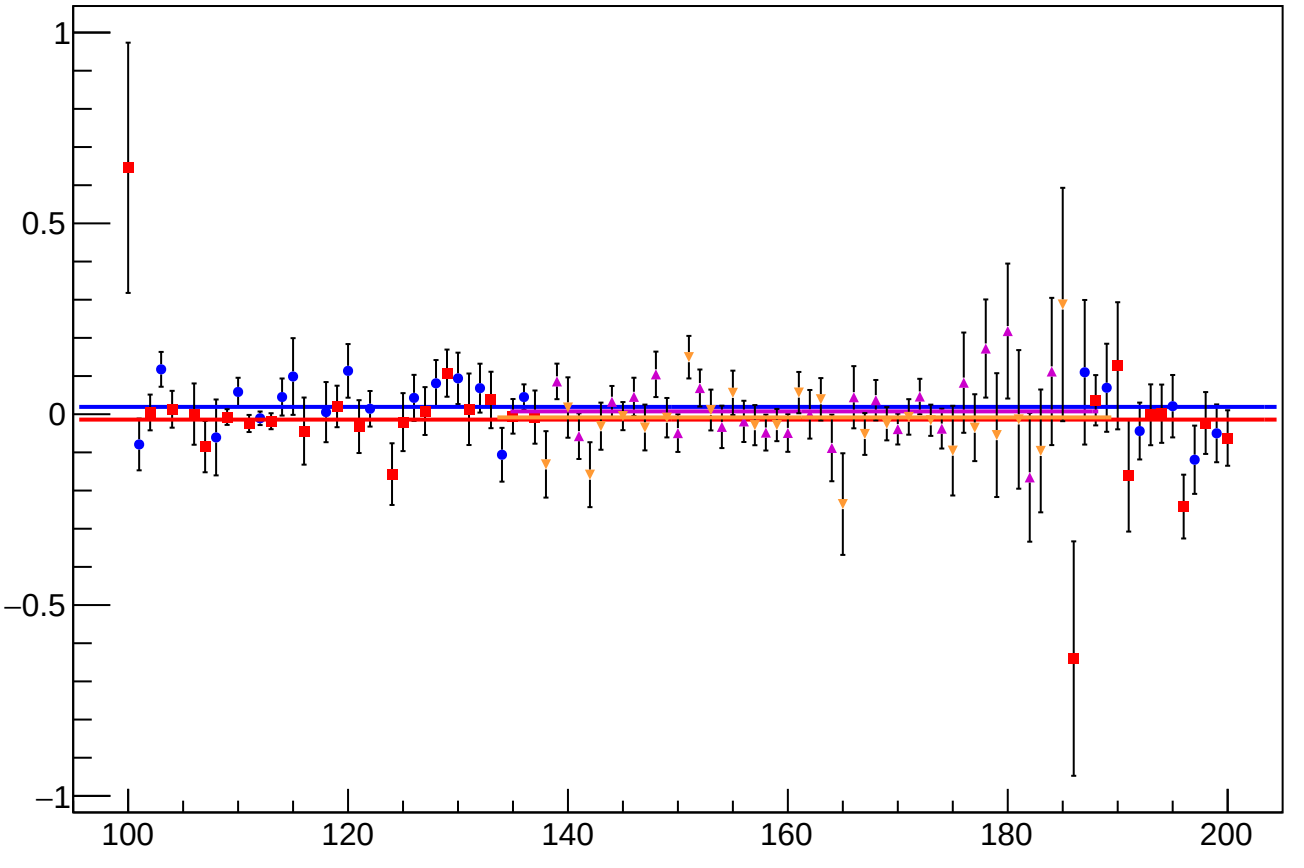
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 28.269+/-0.005 χ^2/NDF: 14692081.0/49

In: 37.311+/-0.006 χ^2/NDF:11839799.4/44

Out: 35.309+/-0.005 χ^2/NDF:16658848.5/52

All: 36.232+/-0.004 χ^2/NDF: 28566974.6/97



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

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

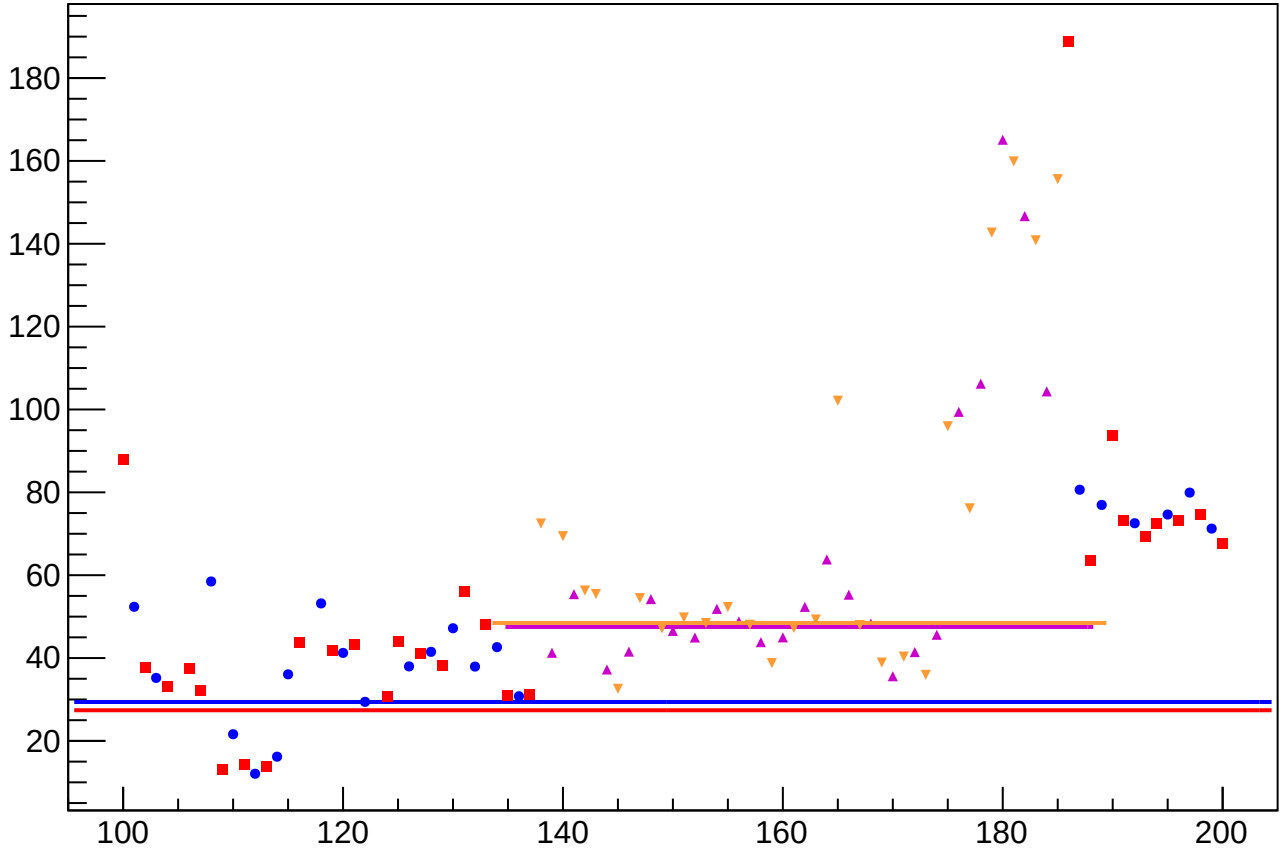
Right: 0.000+/-0.007 χ^2/NDF: 59.6/49

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.012+/-0.007 χ^2/NDF:52.1/52

All: 0.000+/-0.005 χ^2/NDF: 106.9/97

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

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

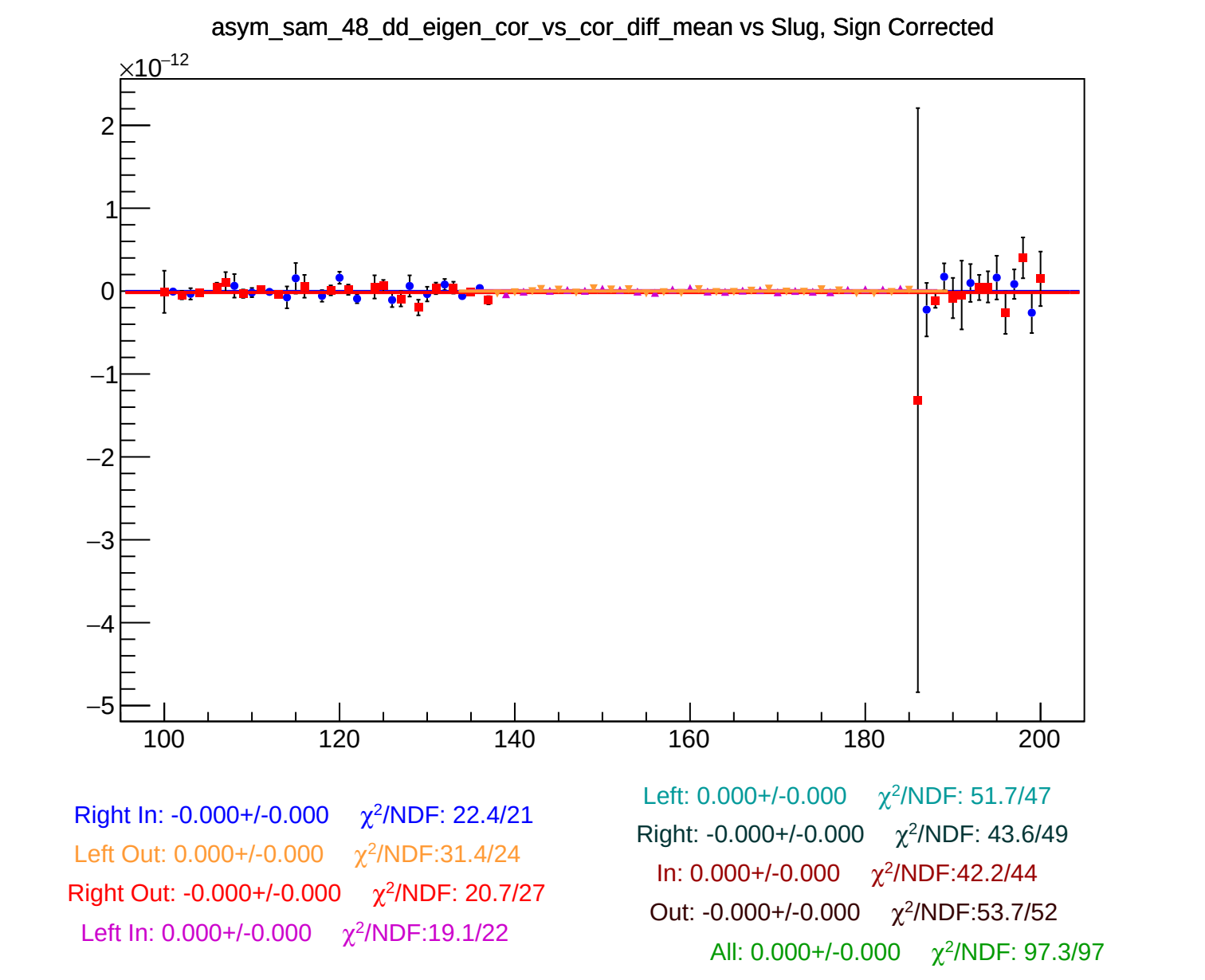
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

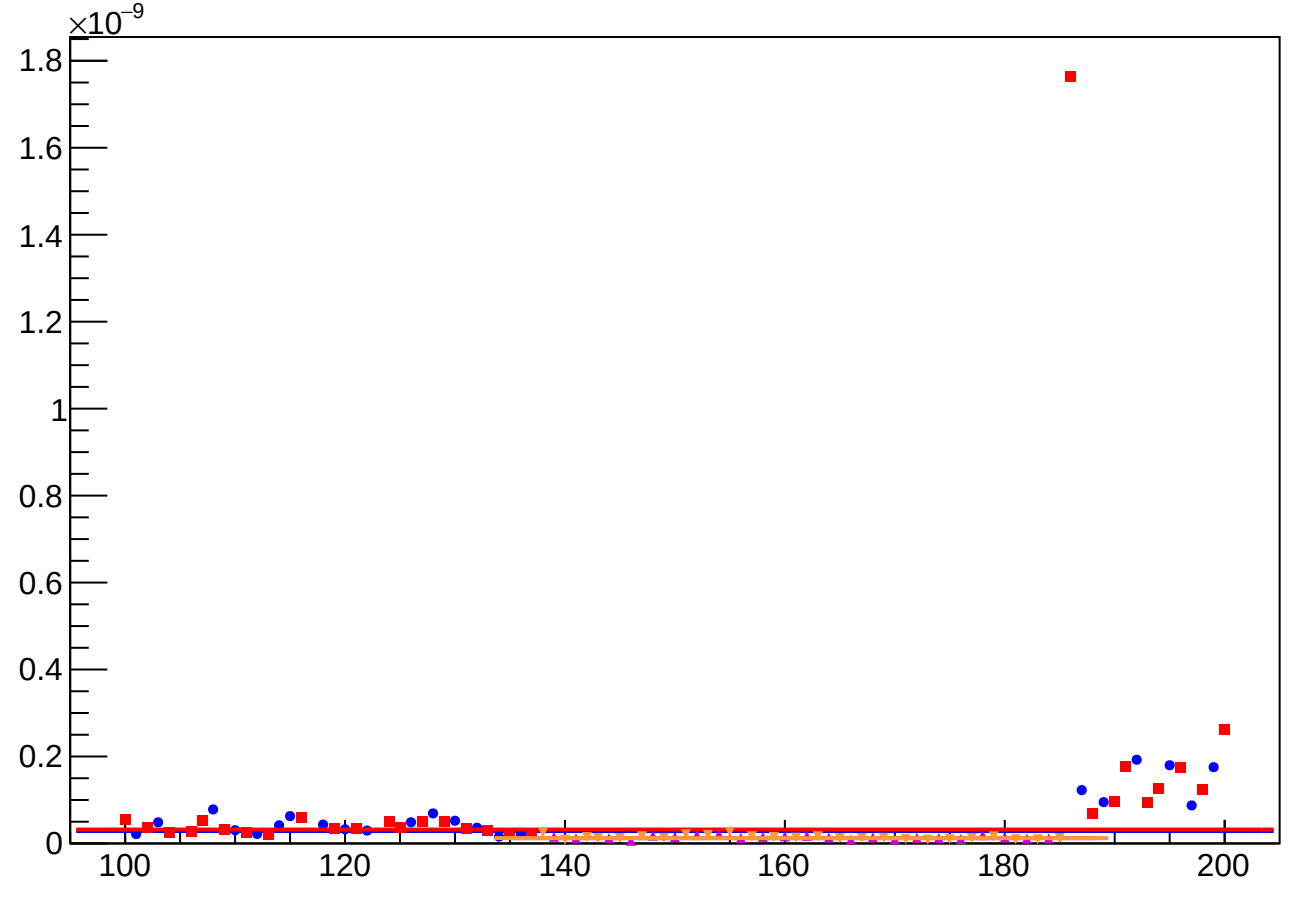
Right: 28.269+/-0.005 χ^2/NDF: 14692081.0/49

In: 37.311+/-0.006 χ^2/NDF:11839799.4/44

Out: 35.309+/-0.005 χ^2/NDF:16658848.5/52

All: 36.232+/-0.004 χ^2/NDF: 28566974.6/97


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.4/21
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/27
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 43.6/49
In: 0.000+/-0.000 χ²/NDF:42.2/44
Out: -0.000+/-0.000 χ²/NDF:53.7/52
All: 0.000+/-0.000 χ²/NDF: 97.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 4882191.5/21

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

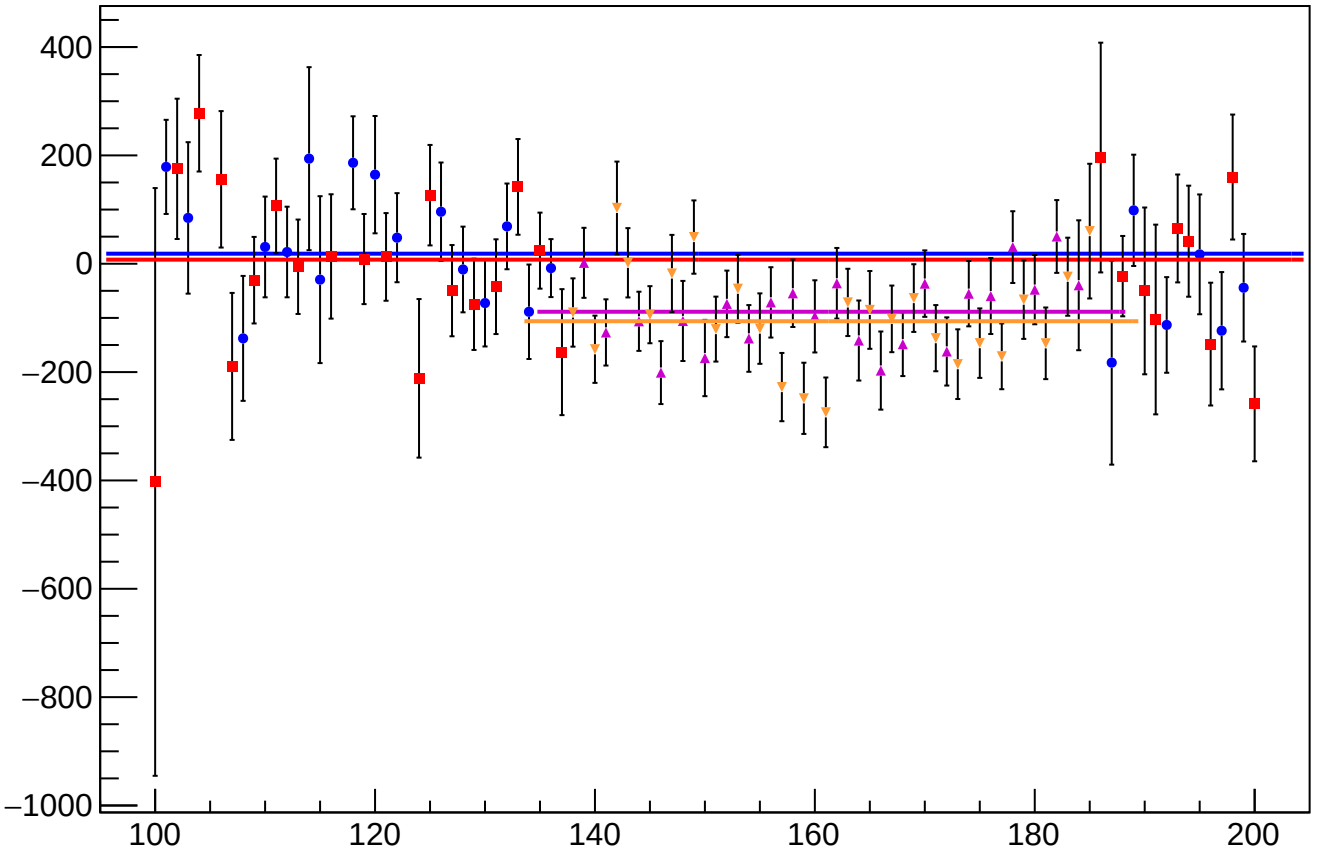
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9894874.3/49

In: 0.000+/-0.000 χ^2/NDF:9962053.2/44

Out: 0.000+/-0.000 χ^2/NDF:11149776.0/52

All: 0.000+/-0.000 χ^2/NDF: 21113264.1/97



Right In: 18.564+/-19.760 χ^2/NDF: 22.8/21

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

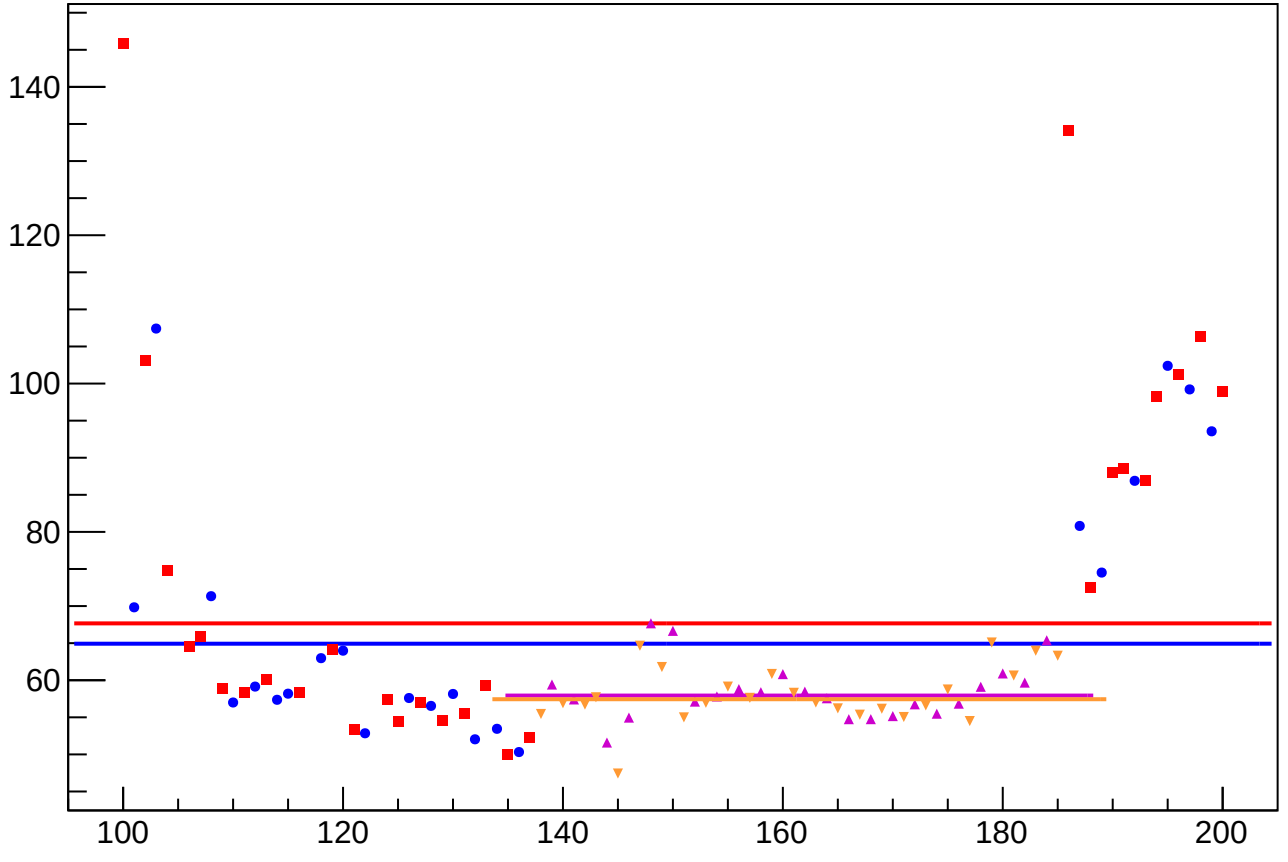
Right: 12.863+/-13.712 χ^2/NDF: 58.6/49

In: -54.284+/-11.184 χ^2/NDF:66.7/44

Out: -69.628+/-10.787 χ^2/NDF:100.5/52

All: -62.234+/-7.764 χ^2/NDF: 168.2/97

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 64.925+/-0.014 χ^2/NDF: 1312214.2/21

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

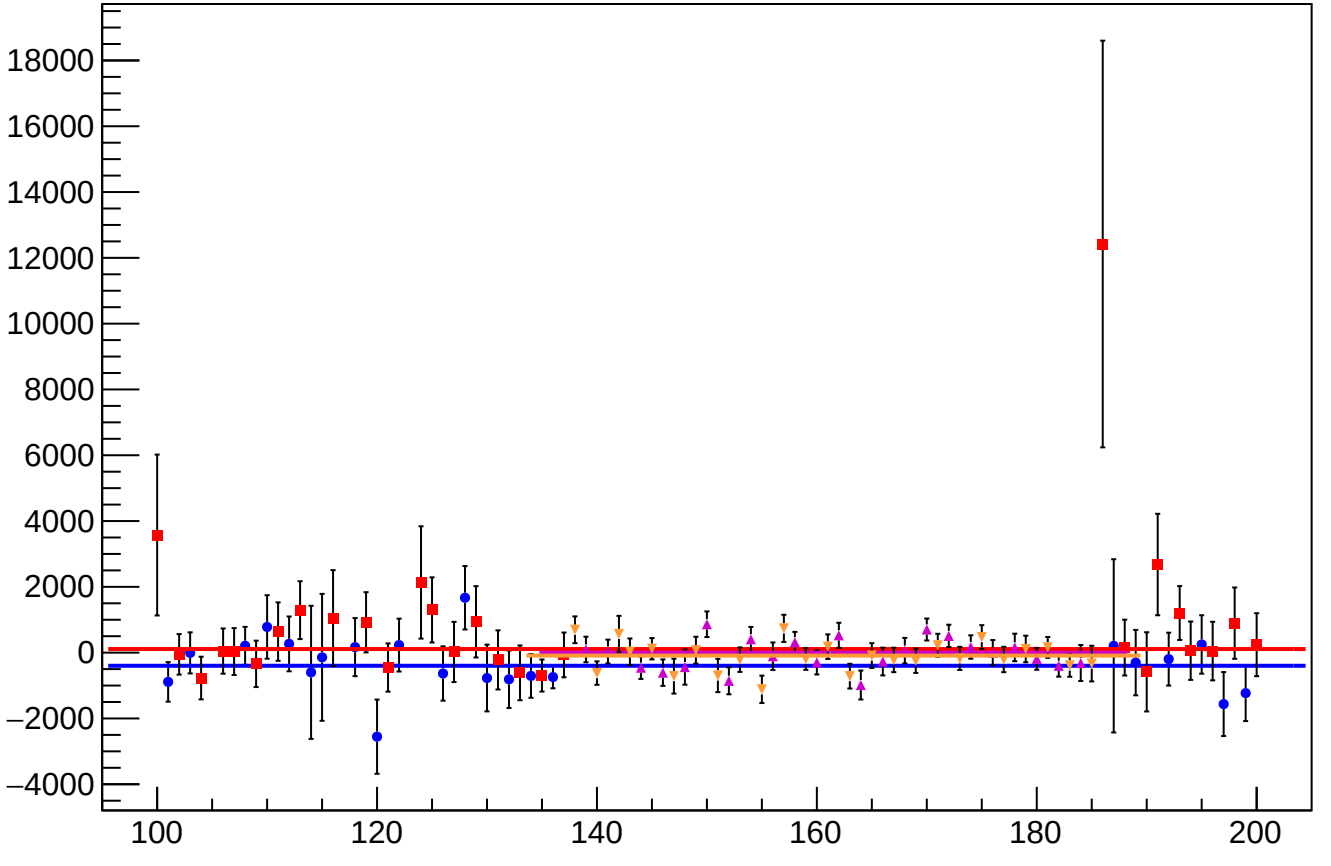
Right: 66.347+/-0.010 χ^2/NDF: 3120760.1/49

In: 60.173+/-0.008 χ^2/NDF:1618328.3/44

Out: 60.721+/-0.008 χ^2/NDF:2354850.3/52

All: 60.457+/-0.005 χ^2/NDF: 3975672.9/97

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -398.741+/-164.236 χ^2/NDF: 18.3/21

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

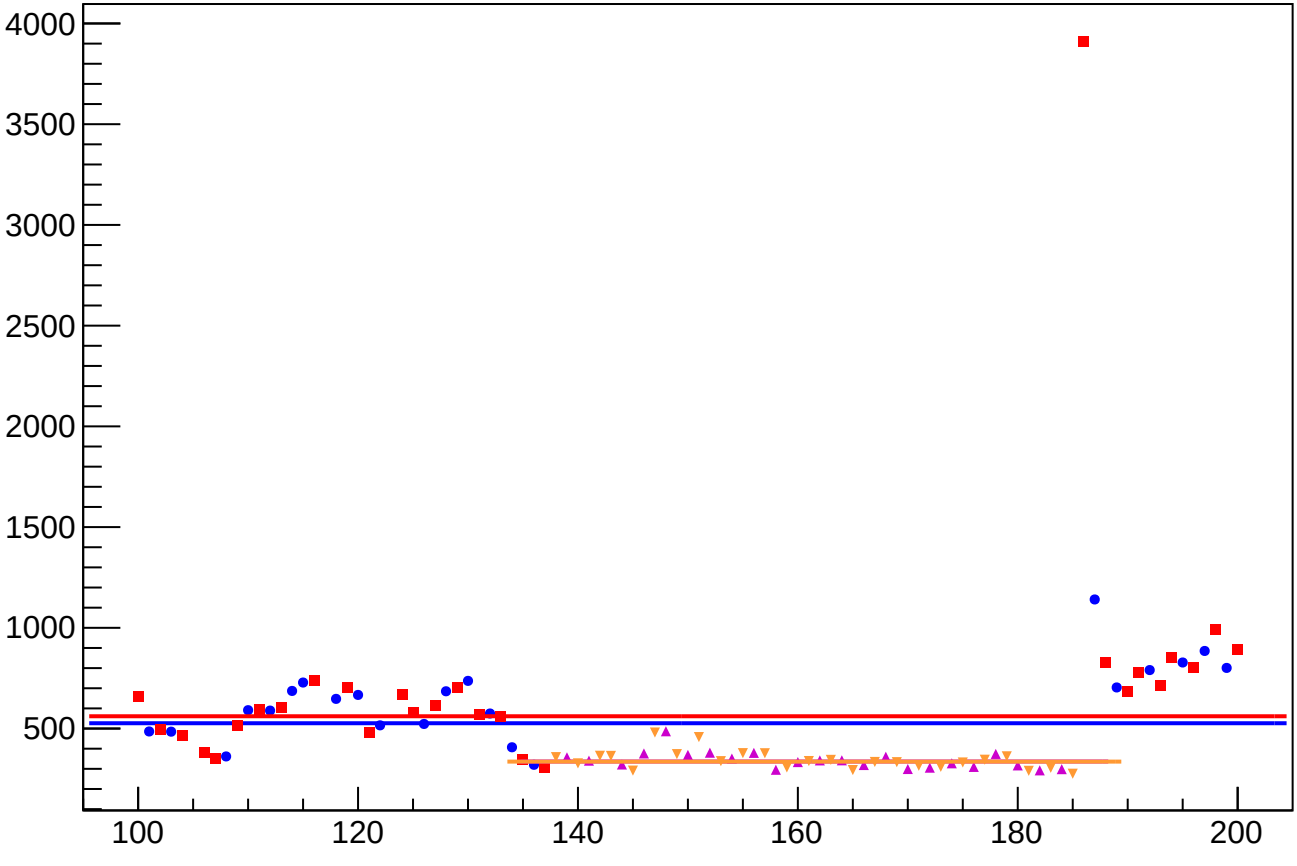
Right: -140.280+/-115.162 χ^2/NDF: 48.0/49

In: -77.692+/-71.333 χ^2/NDF:56.6/44

Out: -52.242+/-69.515 χ^2/NDF:56.0/52

All: -64.639+/-49.785 χ^2/NDF: 112.7/97

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 526.387+/-0.116 χ^2/NDF: 2345931.5/21

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

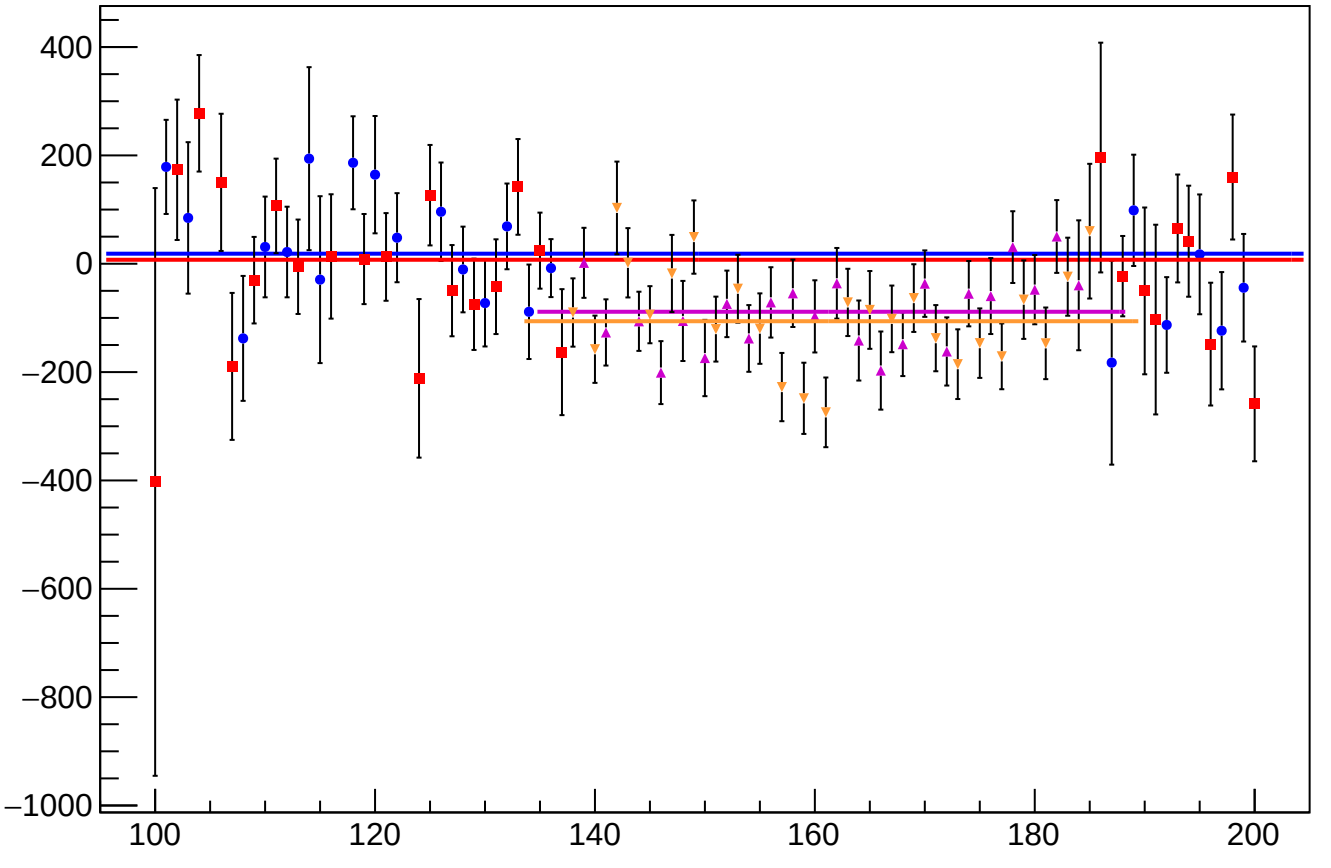
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 543.990+/-0.081 χ^2/NDF: 5443592.2/49

In: 372.194+/-0.050 χ^2/NDF:4932880.2/44

Out: 377.589+/-0.049 χ^2/NDF:6751699.7/52

All: 374.961+/-0.035 χ^2/NDF: 11690448.2/97



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

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

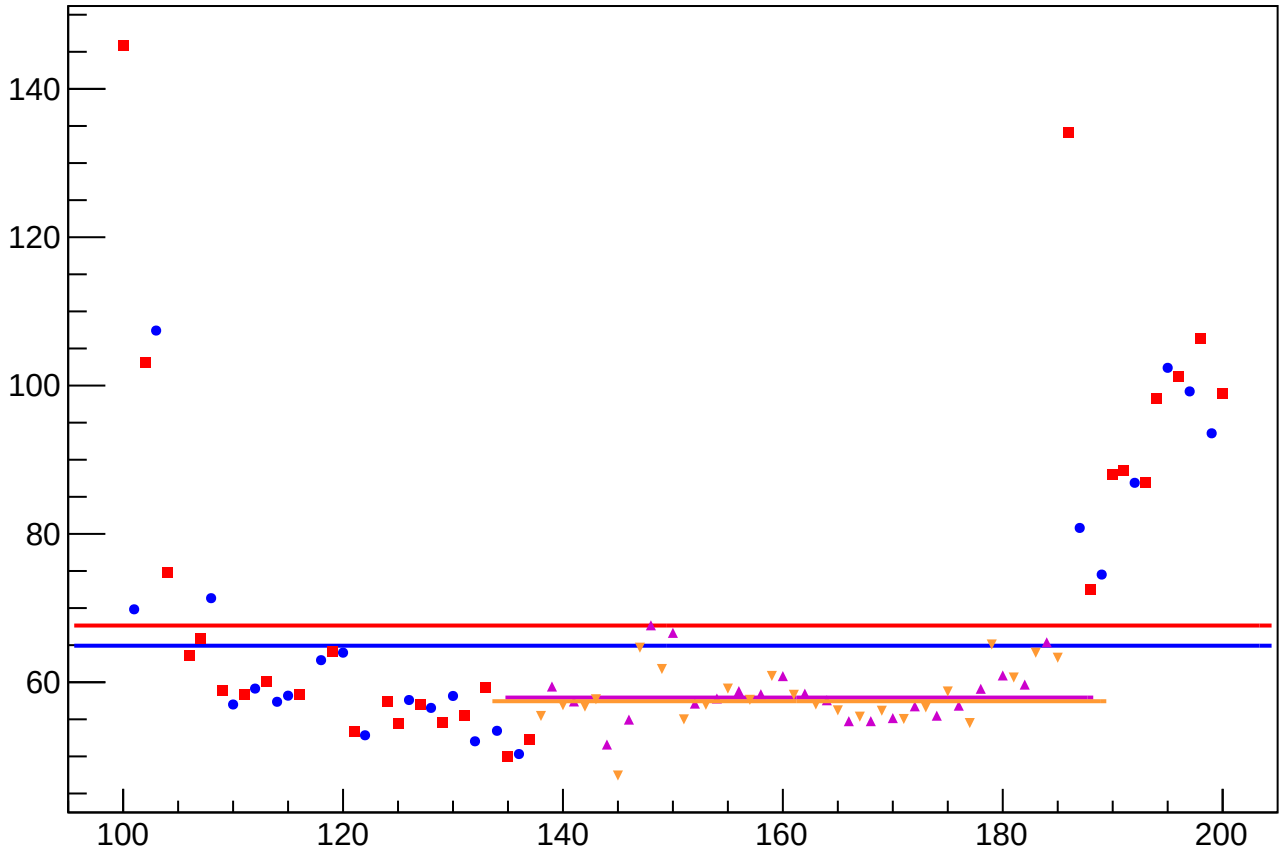
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 12.756+/-13.713 χ^2/NDF: 58.5/49

In: -54.286+/-11.184 χ^2/NDF:66.7/44

Out: -69.701+/-10.787 χ^2/NDF:100.3/52

All: -62.272+/-7.764 χ^2/NDF: 168.0/97



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

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

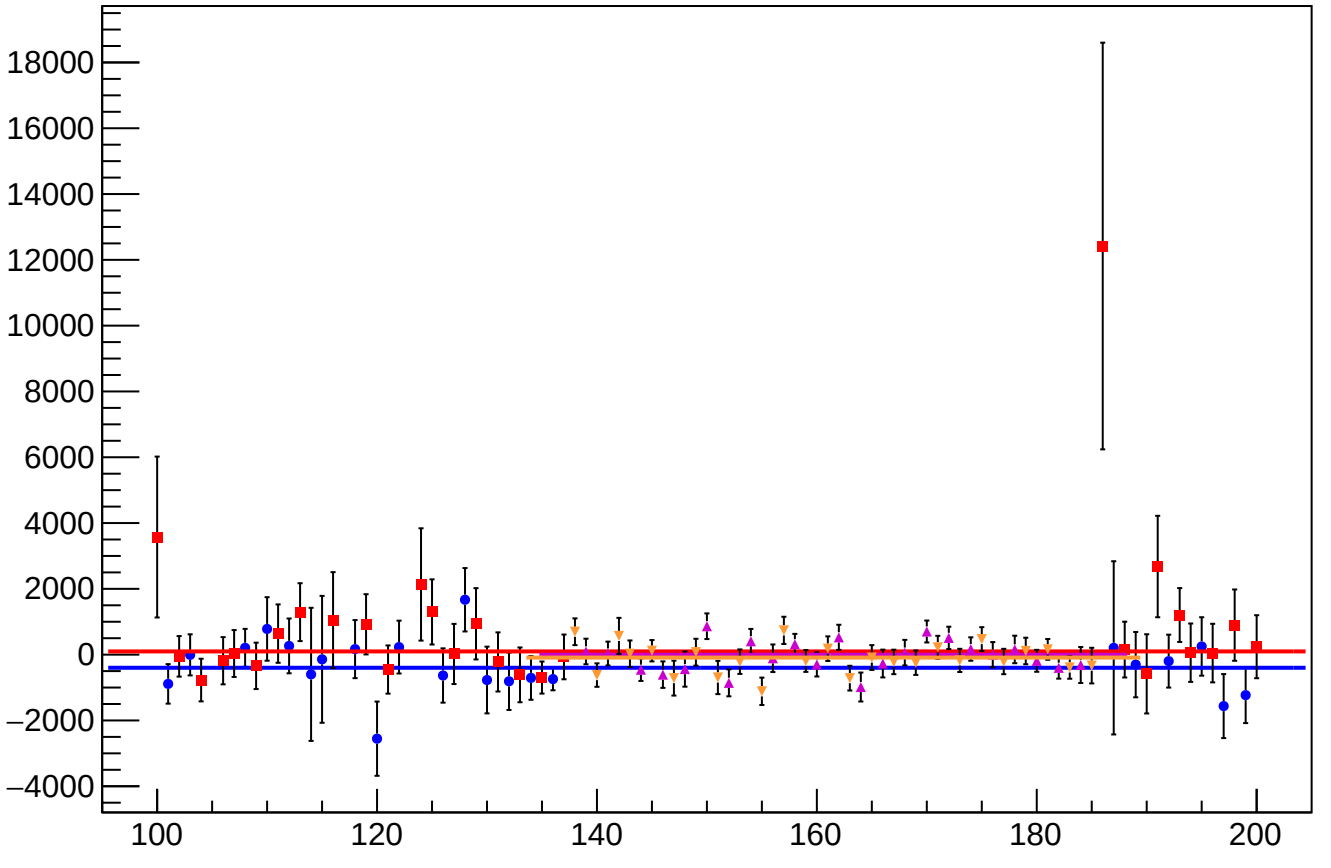
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.335+/-0.010 χ^2/NDF: 3121526.1/49

In: 60.173+/-0.008 χ^2/NDF:1618330.3/44

Out: 60.714+/-0.008 χ^2/NDF:2354224.3/52

All: 60.453+/-0.005 χ^2/NDF: 3974981.7/97



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

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

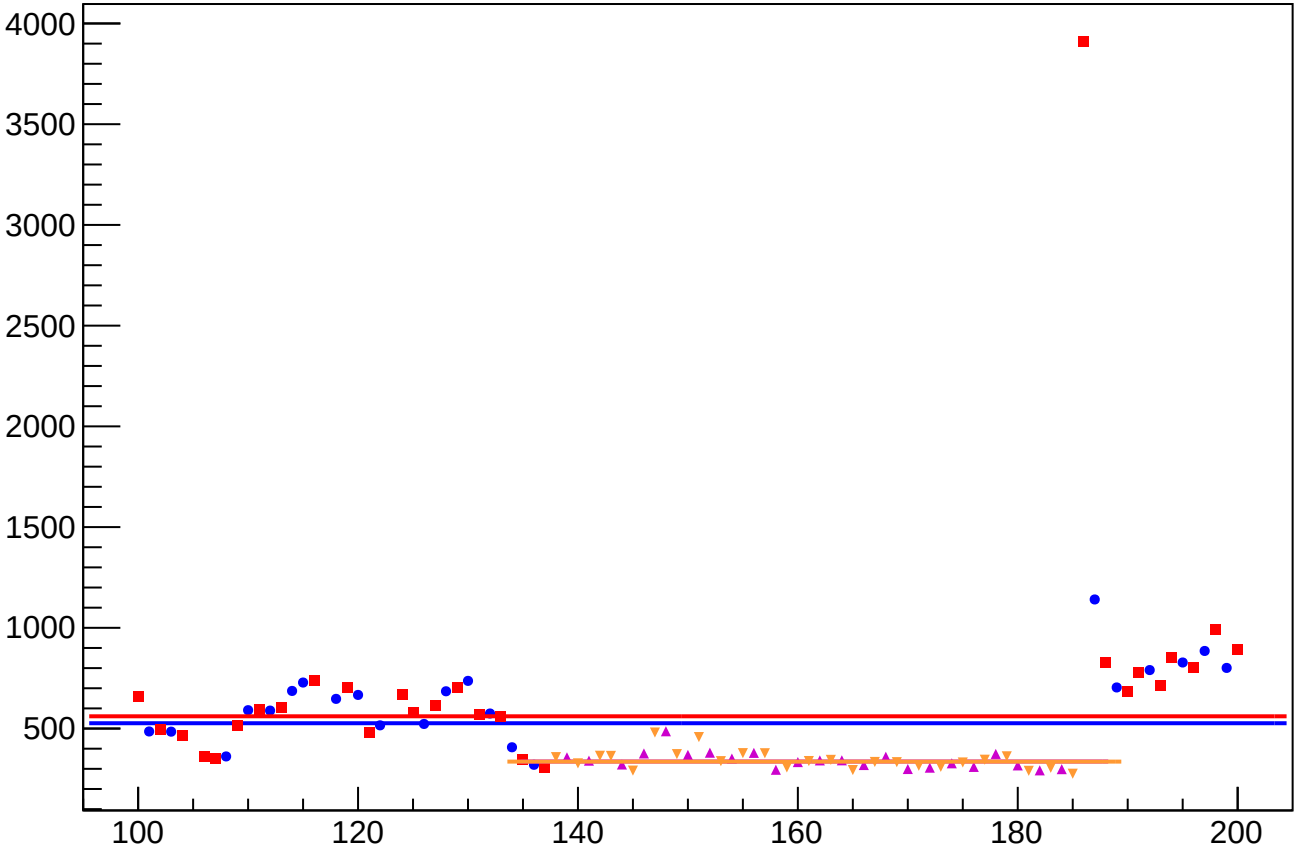
Right: -146.720+/-115.303 χ^2/NDF: 48.0/49

In: -77.687+/-71.333 χ^2/NDF:56.6/44

Out: -54.515+/-69.545 χ^2/NDF:56.0/52

All: -65.807+/-49.796 χ^2/NDF: 112.7/97

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

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

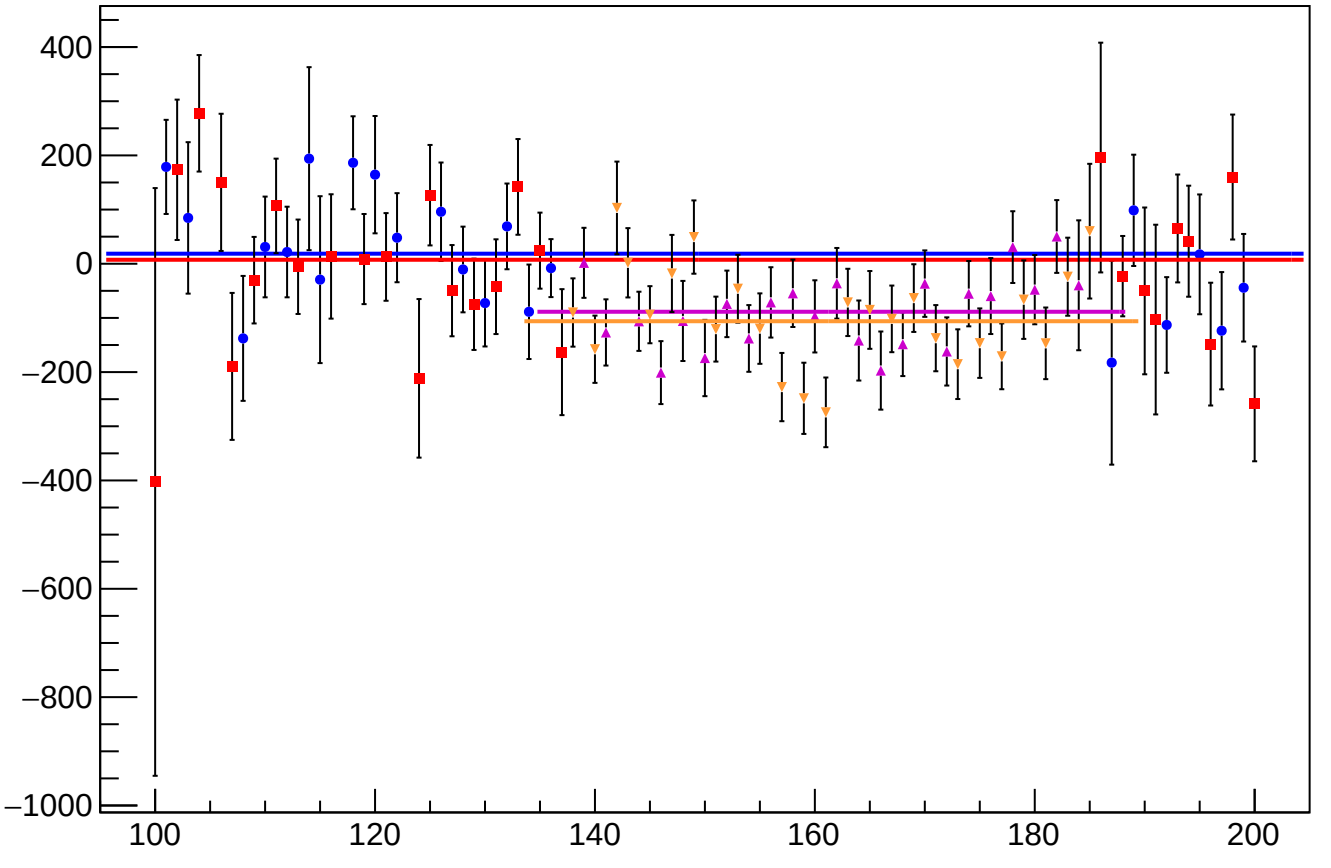
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 543.856+/-0.082 χ^2/NDF: 5461965.3/49

In: 372.194+/-0.050 χ^2/NDF:4932911.6/44

Out: 377.393+/-0.049 χ^2/NDF:6753162.1/52

All: 374.859+/-0.035 χ^2/NDF: 11691519.2/97



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

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

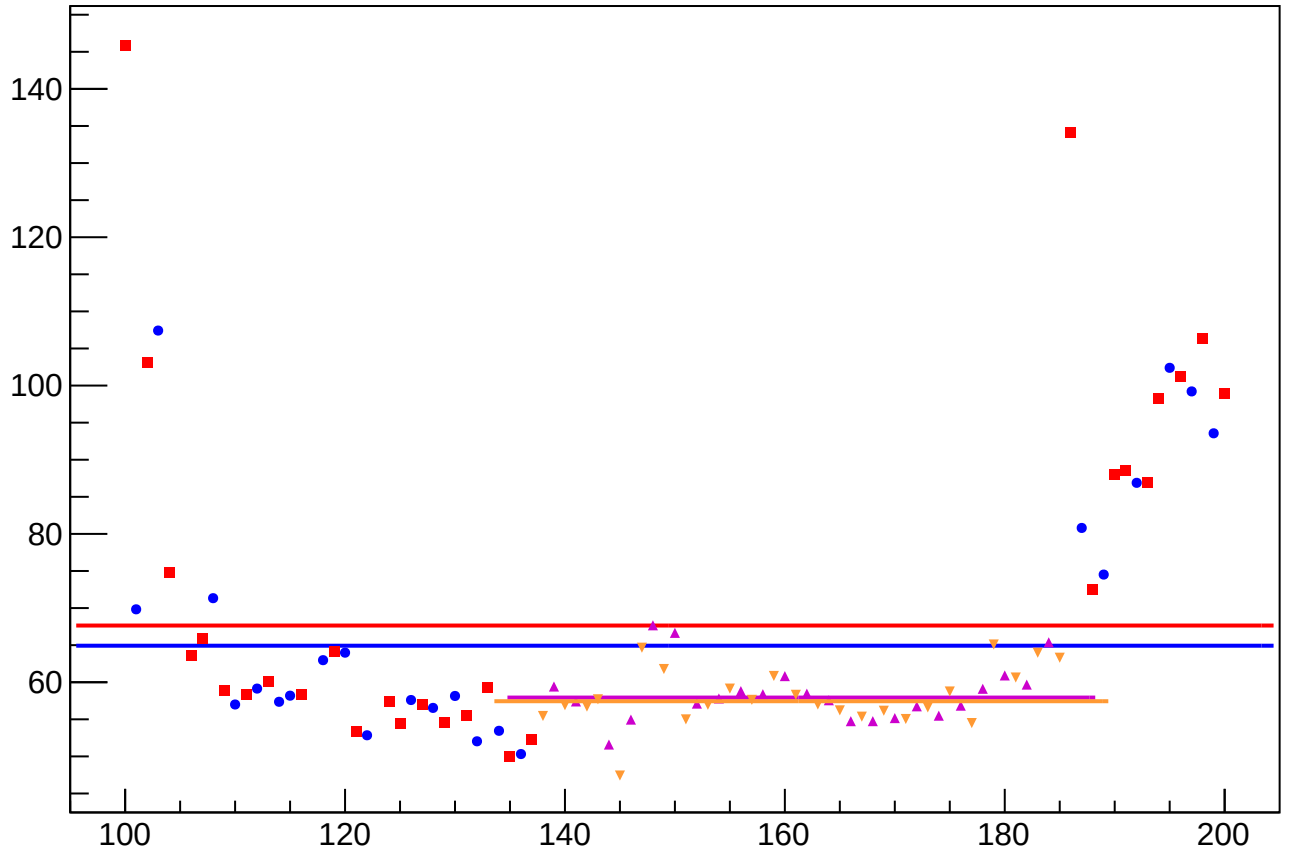
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 12.756+/-13.713 χ^2/NDF: 58.5/49

In: -54.286+/-11.184 χ^2/NDF:66.7/44

Out: -69.701+/-10.787 χ^2/NDF:100.3/52

All: -62.272+/-7.764 χ^2/NDF: 168.0/97



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

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

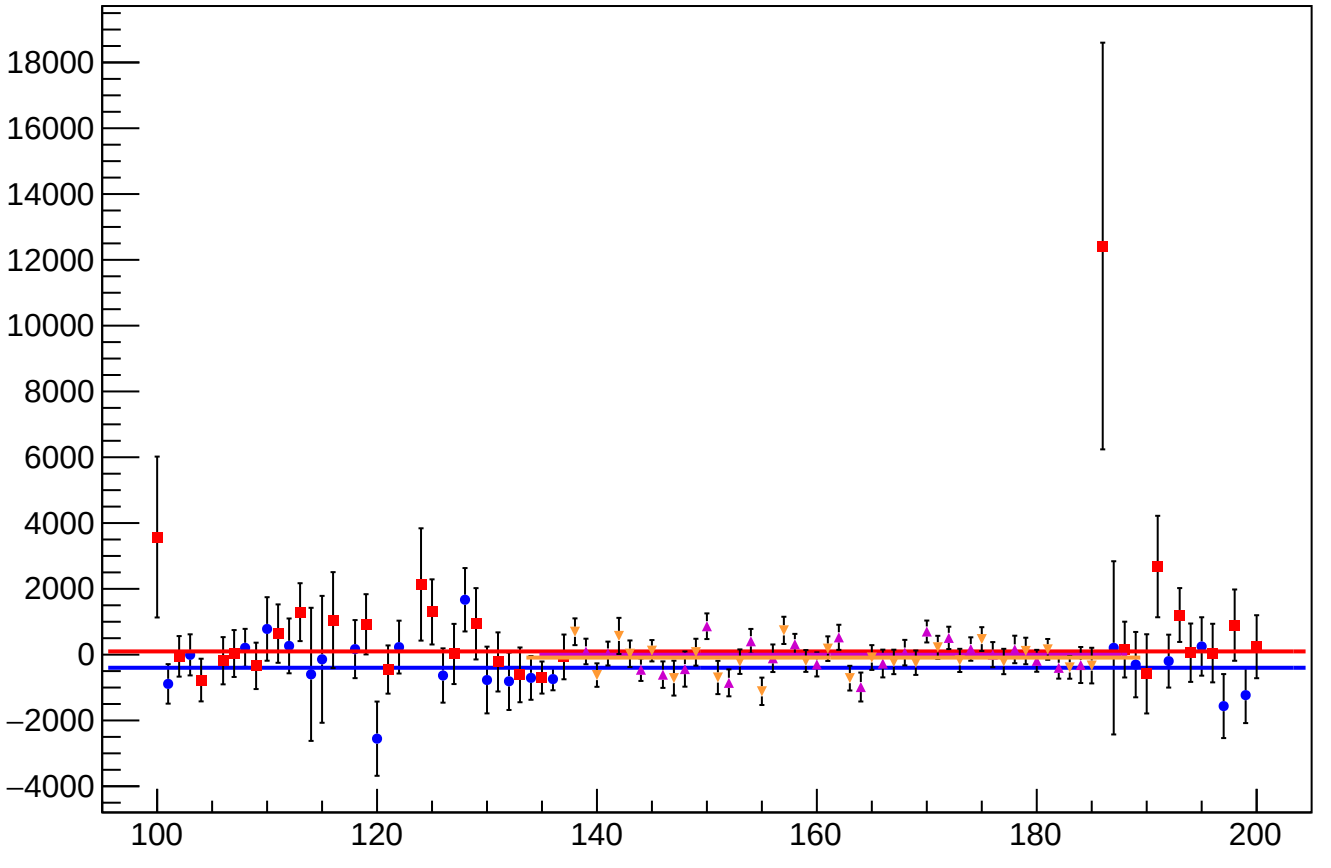
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.335+/-0.010 χ^2/NDF: 3121526.1/49

In: 60.173+/-0.008 χ^2/NDF:1618330.3/44

Out: 60.714+/-0.008 χ^2/NDF:2354224.3/52

All: 60.453+/-0.005 χ^2/NDF: 3974981.7/97



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

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

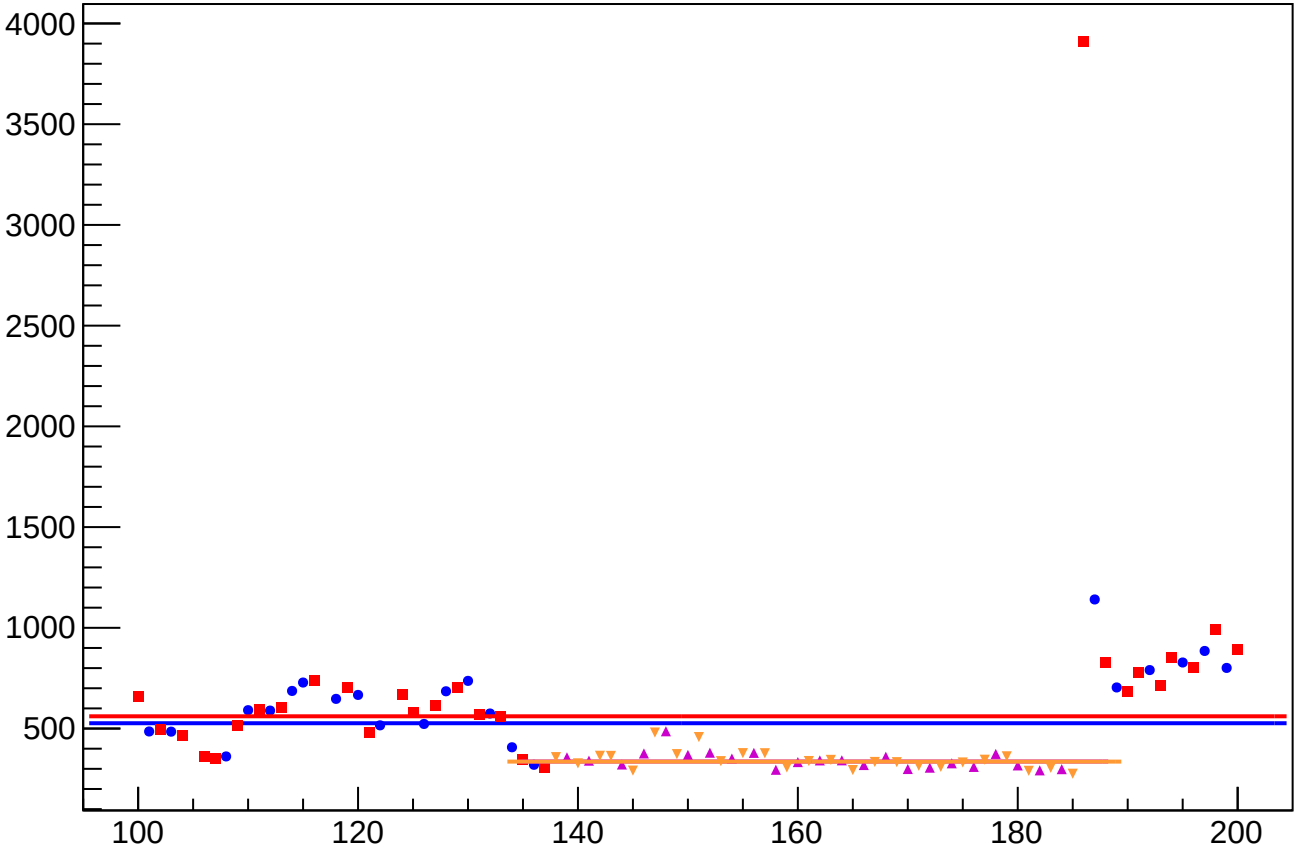
Right: -146.720+/-115.303 χ^2/NDF: 48.0/49

In: -77.687+/-71.333 χ^2/NDF:56.6/44

Out: -54.515+/-69.545 χ^2/NDF:56.0/52

All: -65.807+/-49.796 χ^2/NDF: 112.7/97

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

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

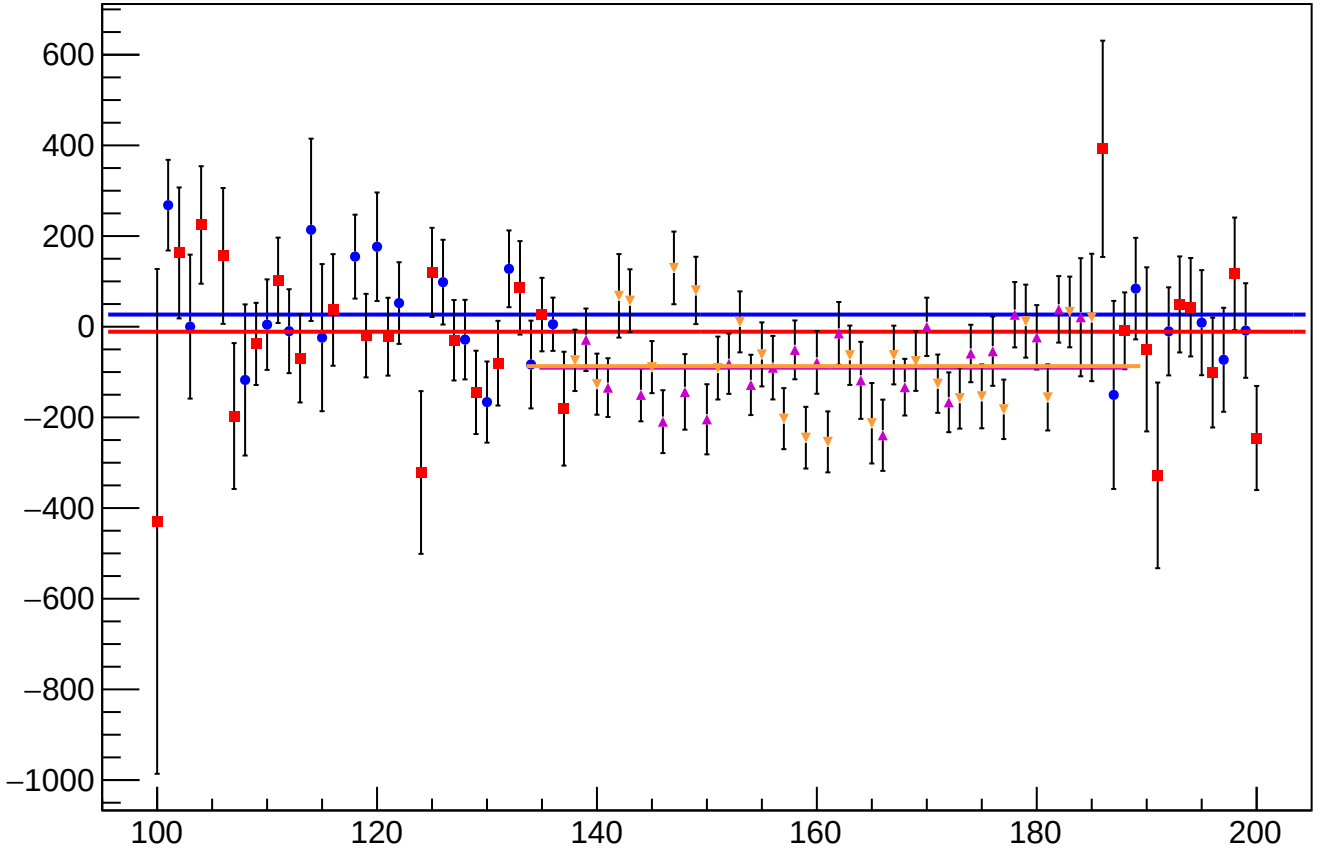
Right: 543.856+/-0.082 χ^2/NDF: 5461965.3/49

In: 372.194+/-0.050 χ^2/NDF:4932911.6/44

Out: 377.393+/-0.049 χ^2/NDF:6753162.1/52

All: 374.859+/-0.035 χ^2/NDF: 11691519.2/97

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

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

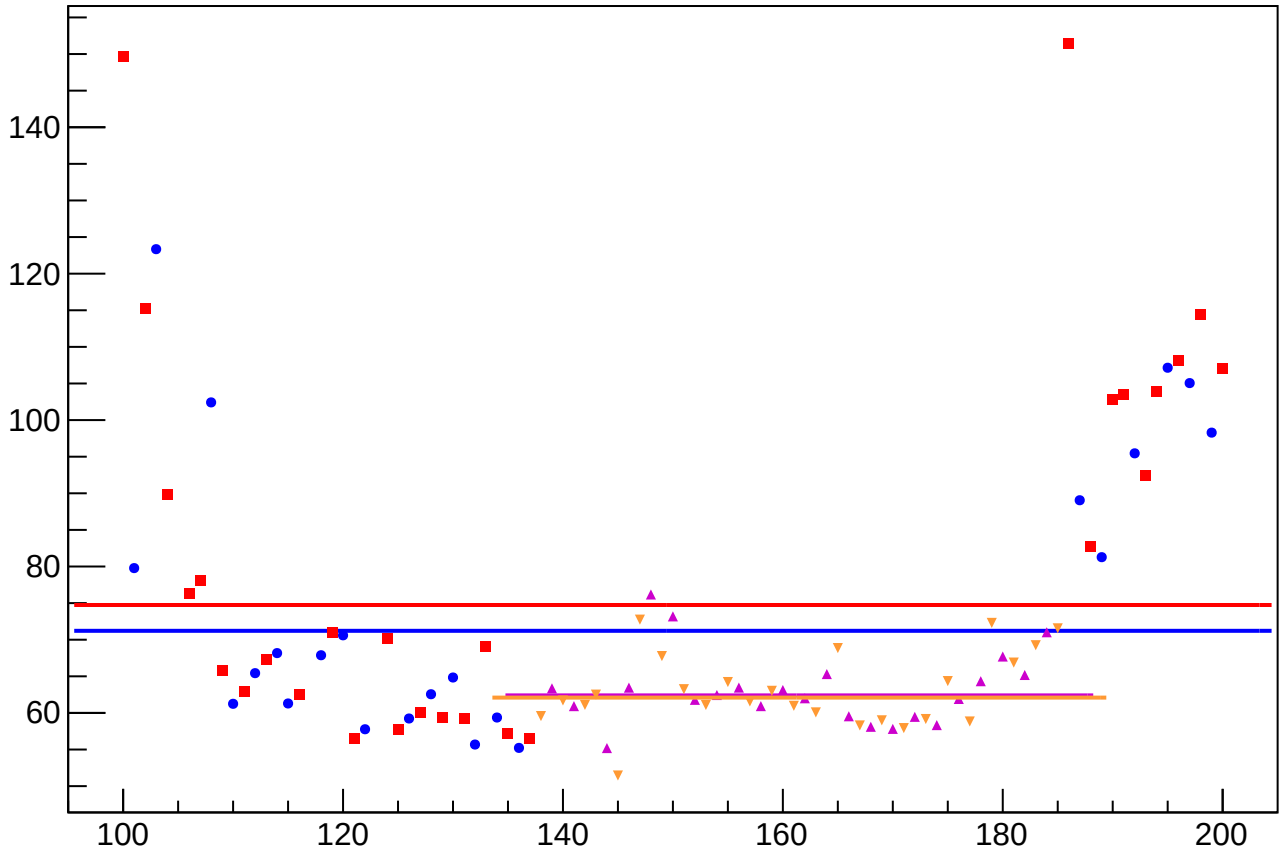
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 7.341+/-15.123 χ^2/NDF: 55.4/49

In: -53.687+/-12.148 χ^2/NDF:66.9/44

Out: -63.301+/-11.762 χ^2/NDF:89.8/52

All: -58.649+/-8.450 χ^2/NDF: 157.0/97



Right In: 71.216+/-0.015 χ^2/NDF: 1347538.5/21

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

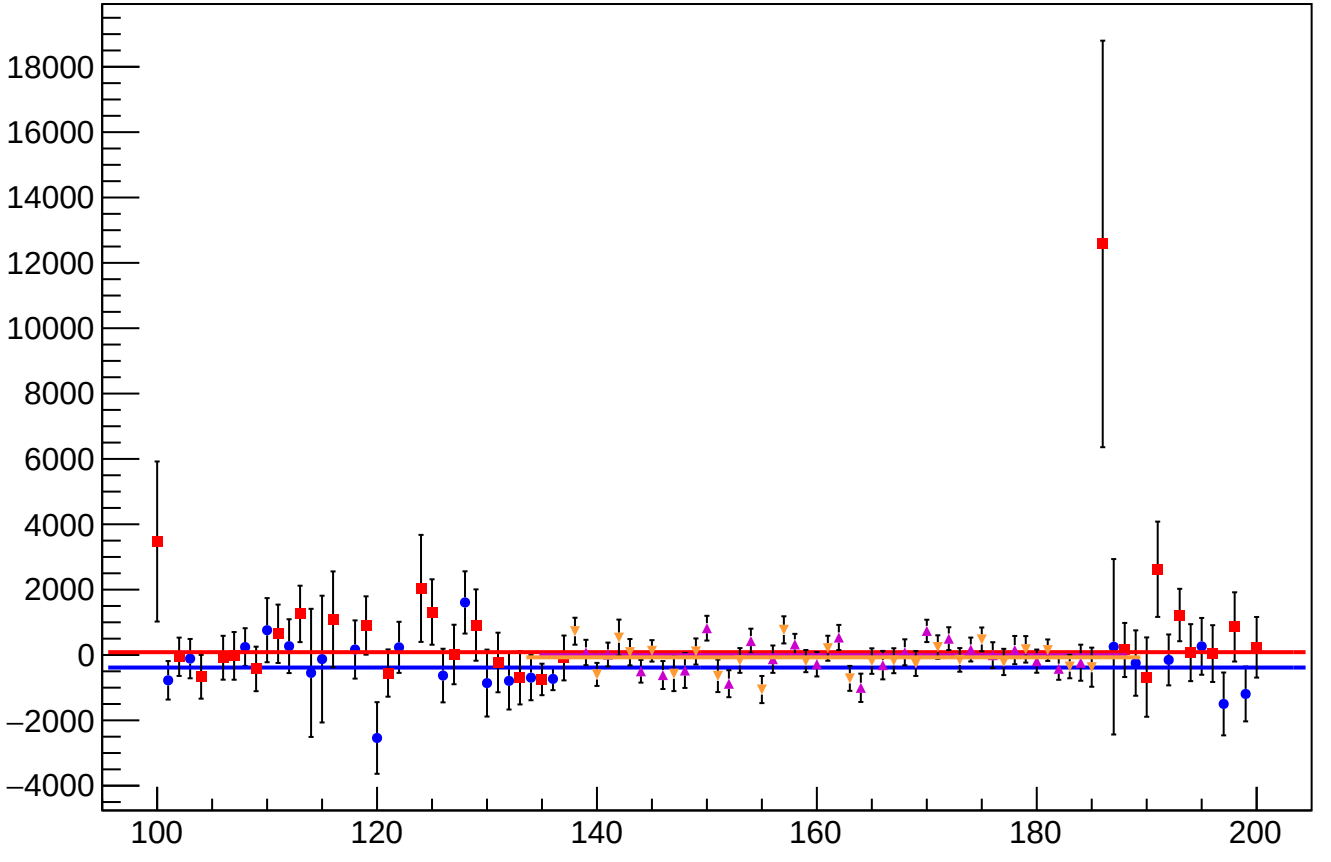
Right: 73.031+/-0.011 χ^2/NDF: 3170396.6/49

In: 65.156+/-0.009 χ^2/NDF:1763094.4/44

Out: 66.033+/-0.008 χ^2/NDF:2525065.7/52

All: 65.609+/-0.006 χ^2/NDF: 4293533.7/97

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -384.278+/-163.605 χ^2/NDF: 17.8/21

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

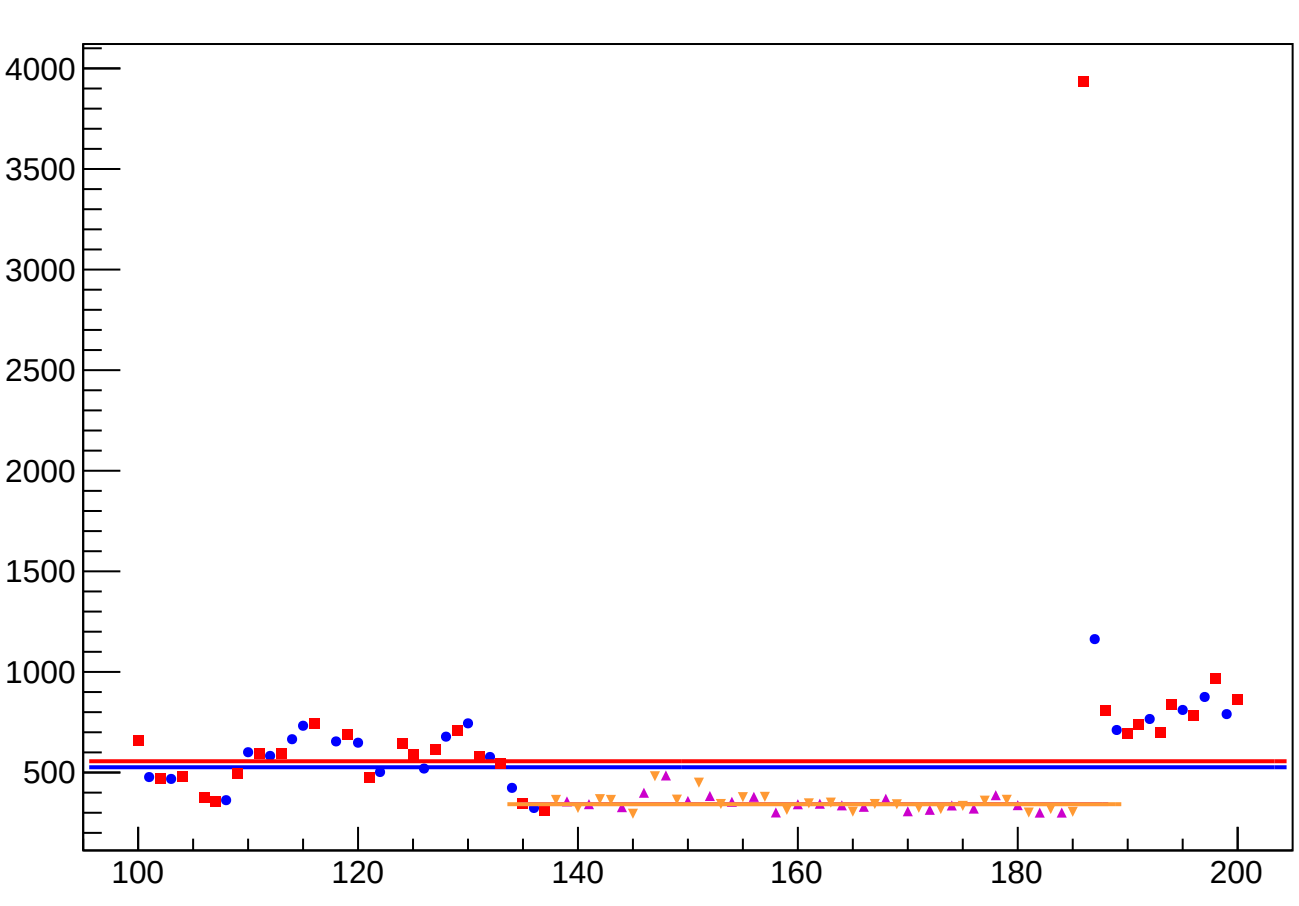
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

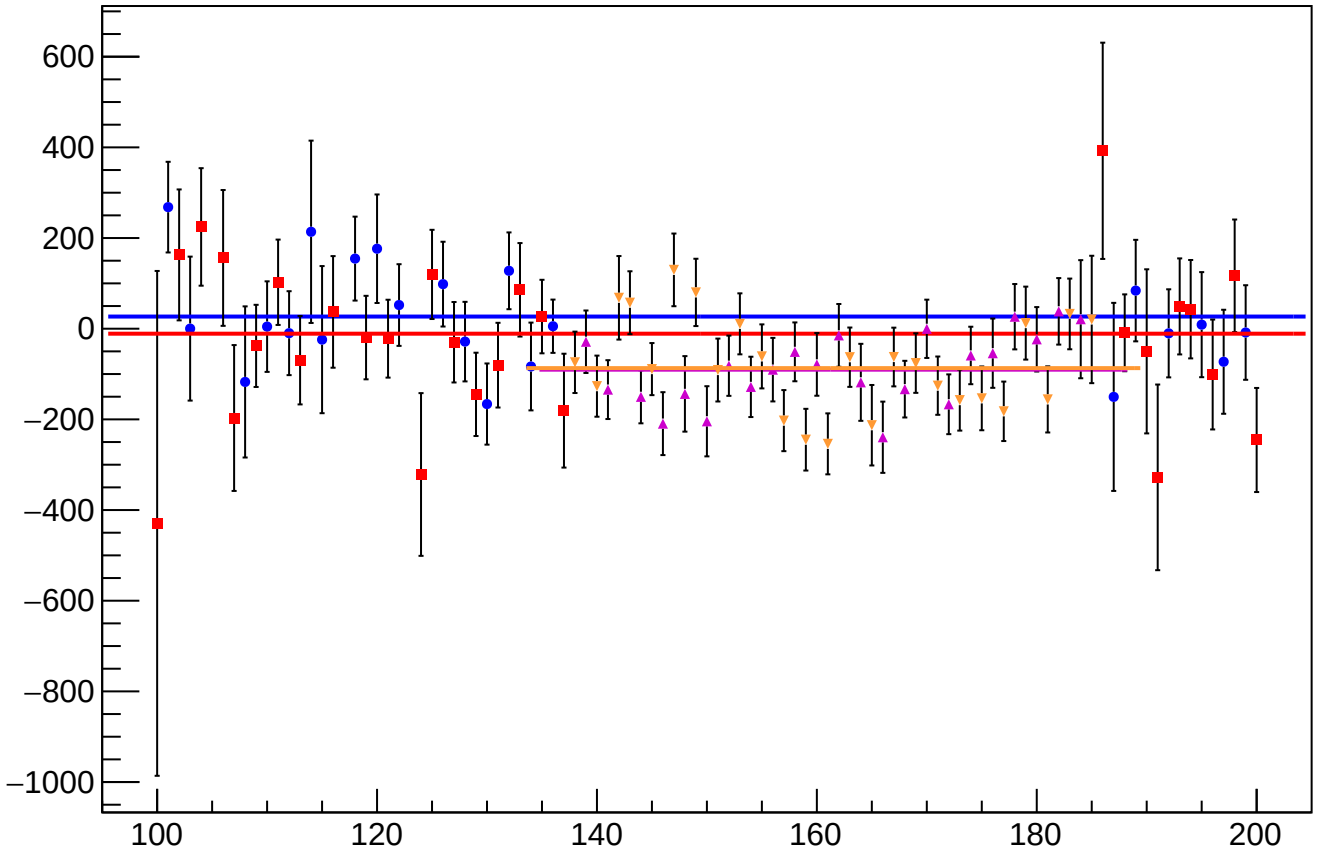
Right: -143.174+/-114.274 χ^2/NDF: 47.9/49

In: -80.222+/-72.418 χ^2/NDF:56.1/44

Out: -40.669+/-70.375 χ^2/NDF:55.2/52

All: -59.880+/-50.469 χ^2/NDF: 111.5/97


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 526.170+/-0.116 χ²/NDF: 2244278.3/21
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 556.012+/-0.113 χ²/NDF: 2957435.3/27
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 541.453+/-0.081 χ²/NDF: 5235792.6/49
In: 379.085+/-0.051 χ²/NDF:4627652.7/44
Out: 383.973+/-0.050 χ²/NDF:6272785.7/52
All: 381.599+/-0.036 χ²/NDF: 10905125.2/97



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

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

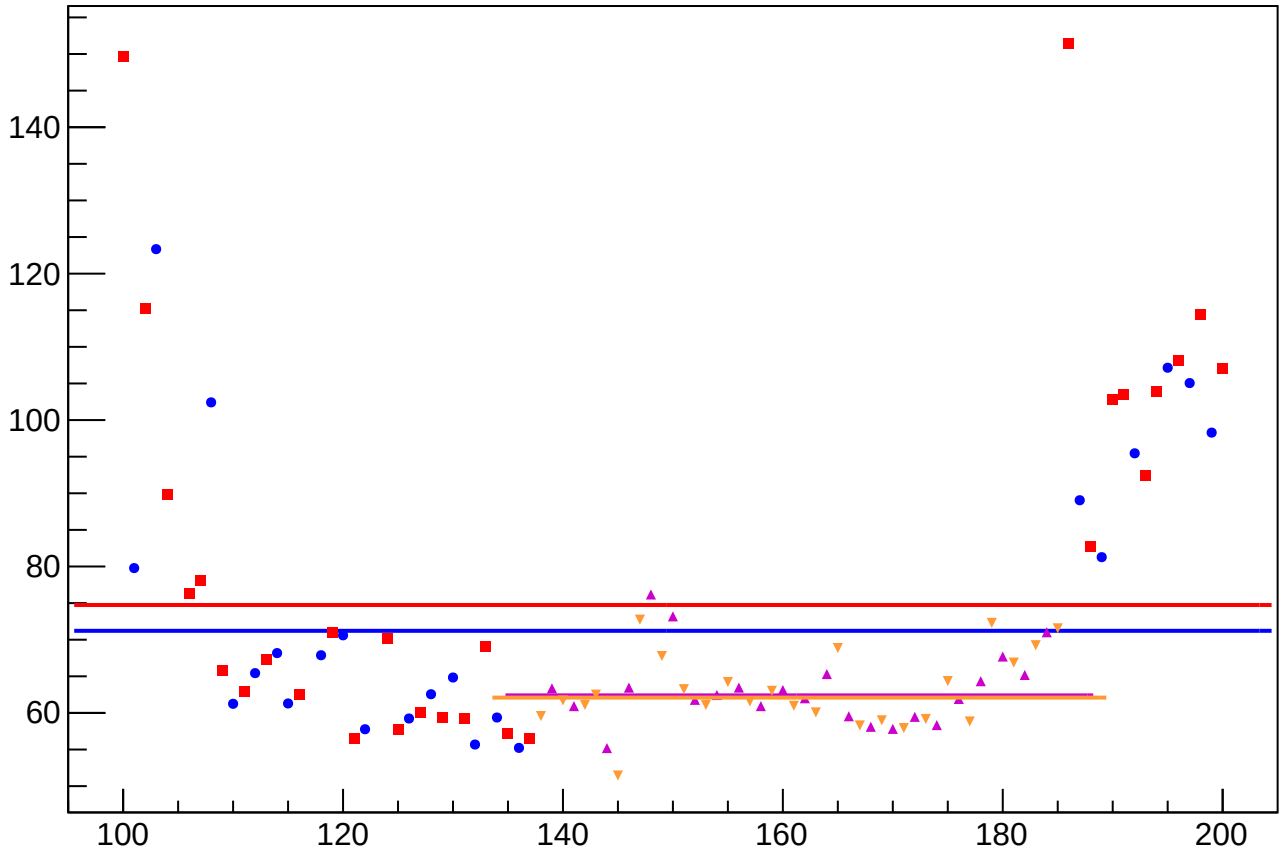
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 7.341+/-15.123 χ^2/NDF: 55.4/49

In: -53.686+/-12.148 χ^2/NDF:66.9/44

Out: -63.301+/-11.762 χ^2/NDF:89.8/52

All: -58.649+/-8.450 χ^2/NDF: 157.0/97



Right In: 71.215+/-0.015 χ^2/NDF: 1347559.7/21

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

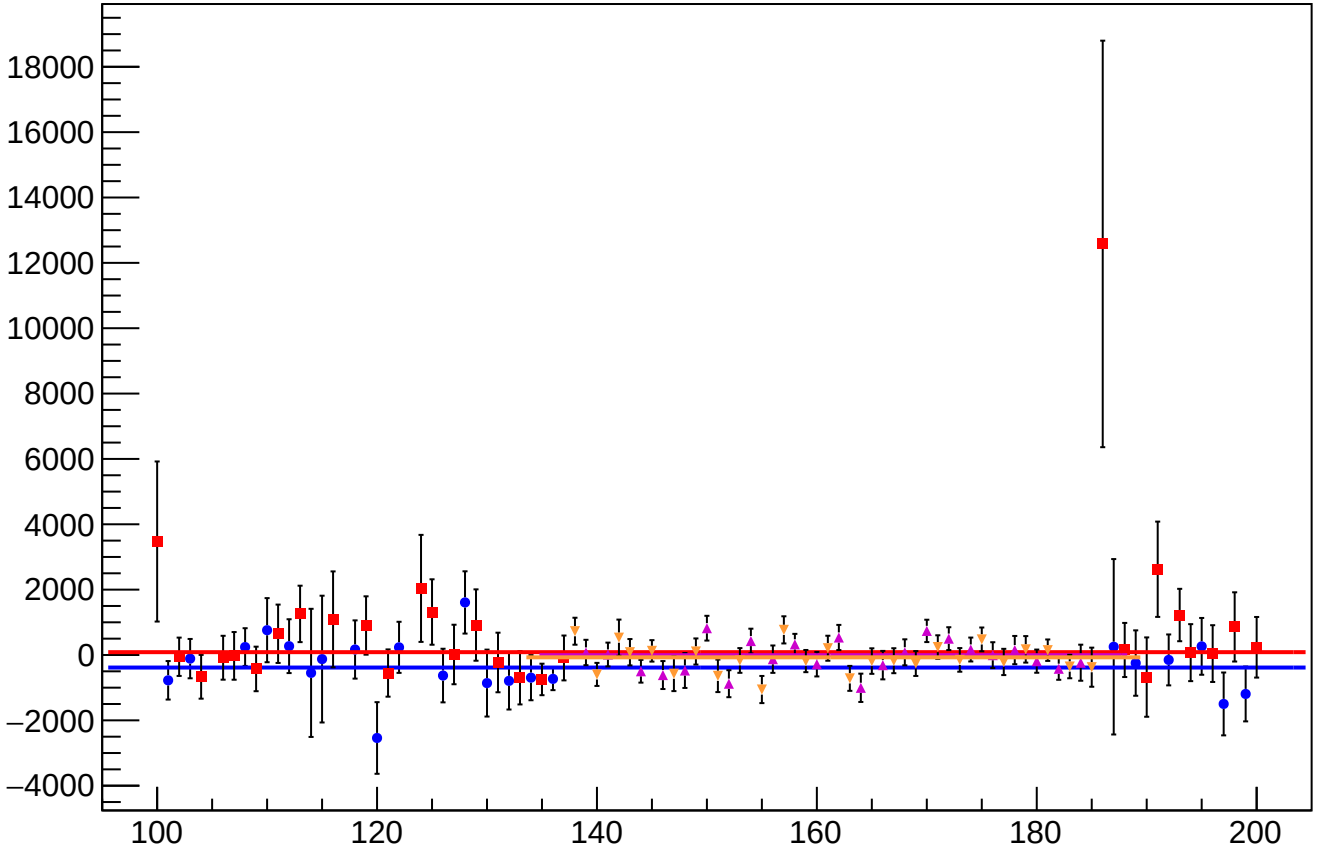
Right: 73.031+/-0.011 χ^2/NDF: 3170419.2/49

In: 65.156+/-0.009 χ^2/NDF:1763113.3/44

Out: 66.033+/-0.008 χ^2/NDF:2525066.0/52

All: 65.609+/-0.006 χ^2/NDF: 4293552.8/97

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -384.277+/-163.605 χ^2/NDF: 17.8/21

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

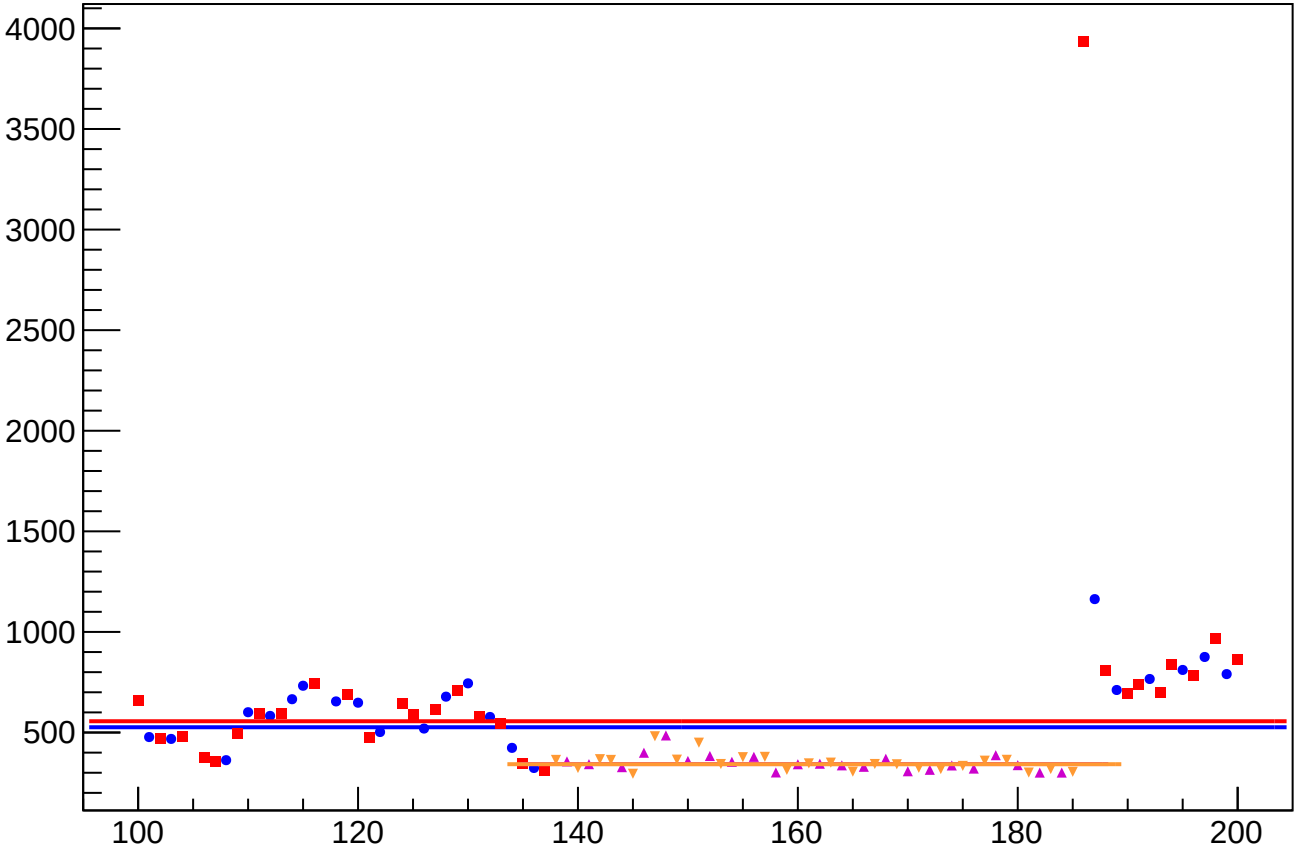
Right: -143.174+/-114.274 χ^2/NDF: 47.9/49

In: -80.223+/-72.418 χ^2/NDF:56.1/44

Out: -40.669+/-70.375 χ^2/NDF:55.2/52

All: -59.880+/-50.469 χ^2/NDF: 111.5/97

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 526.169+/-0.116 χ^2/NDF: 2244281.0/21

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

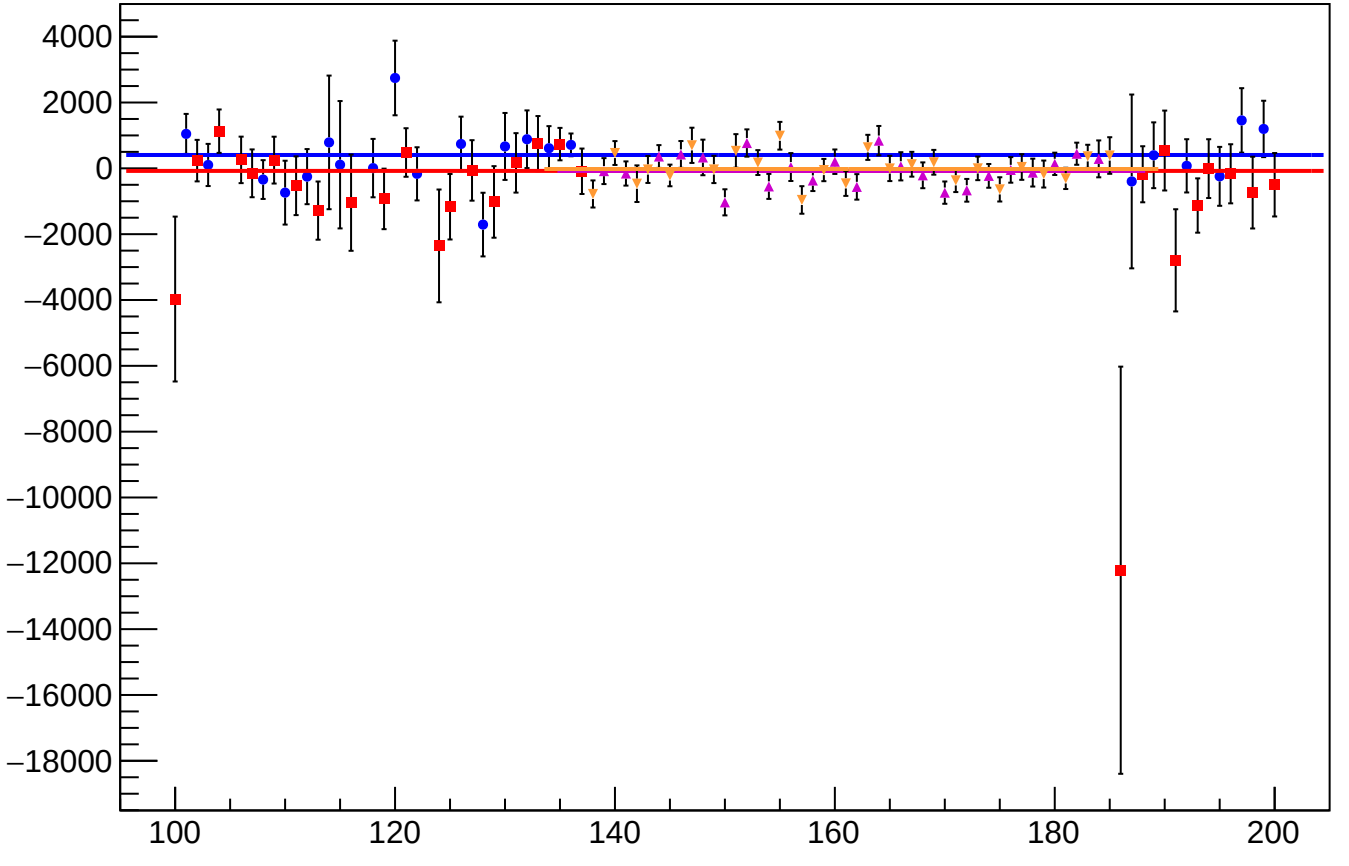
Right: 541.453+/-0.081 χ^2/NDF: 5235801.1/49

In: 379.085+/-0.051 χ^2/NDF:4627643.9/44

Out: 383.973+/-0.050 χ^2/NDF:6272778.2/52

All: 381.599+/-0.036 χ^2/NDF: 10905108.8/97

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 405.693+/-165.972 χ^2/NDF: 19.0/21

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

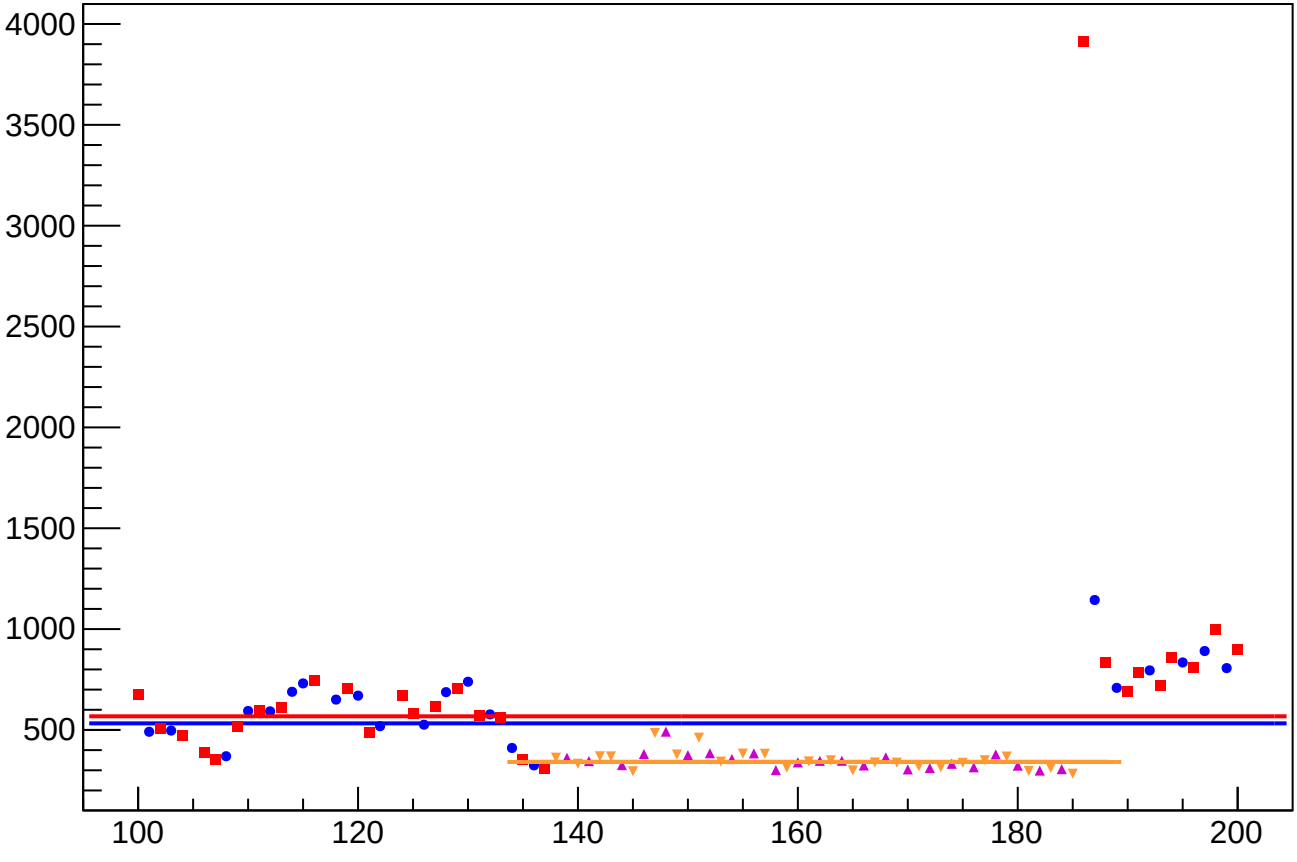
Right: 159.854+/-116.389 χ^2/NDF: 50.6/49

In: 13.368+/-72.365 χ^2/NDF:58.8/44

Out: -31.048+/-70.524 χ^2/NDF:58.9/52

All: -9.412+/-50.506 χ^2/NDF: 117.9/97

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 532.643+/-0.117 χ^2/NDF: 2294776.4/21

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

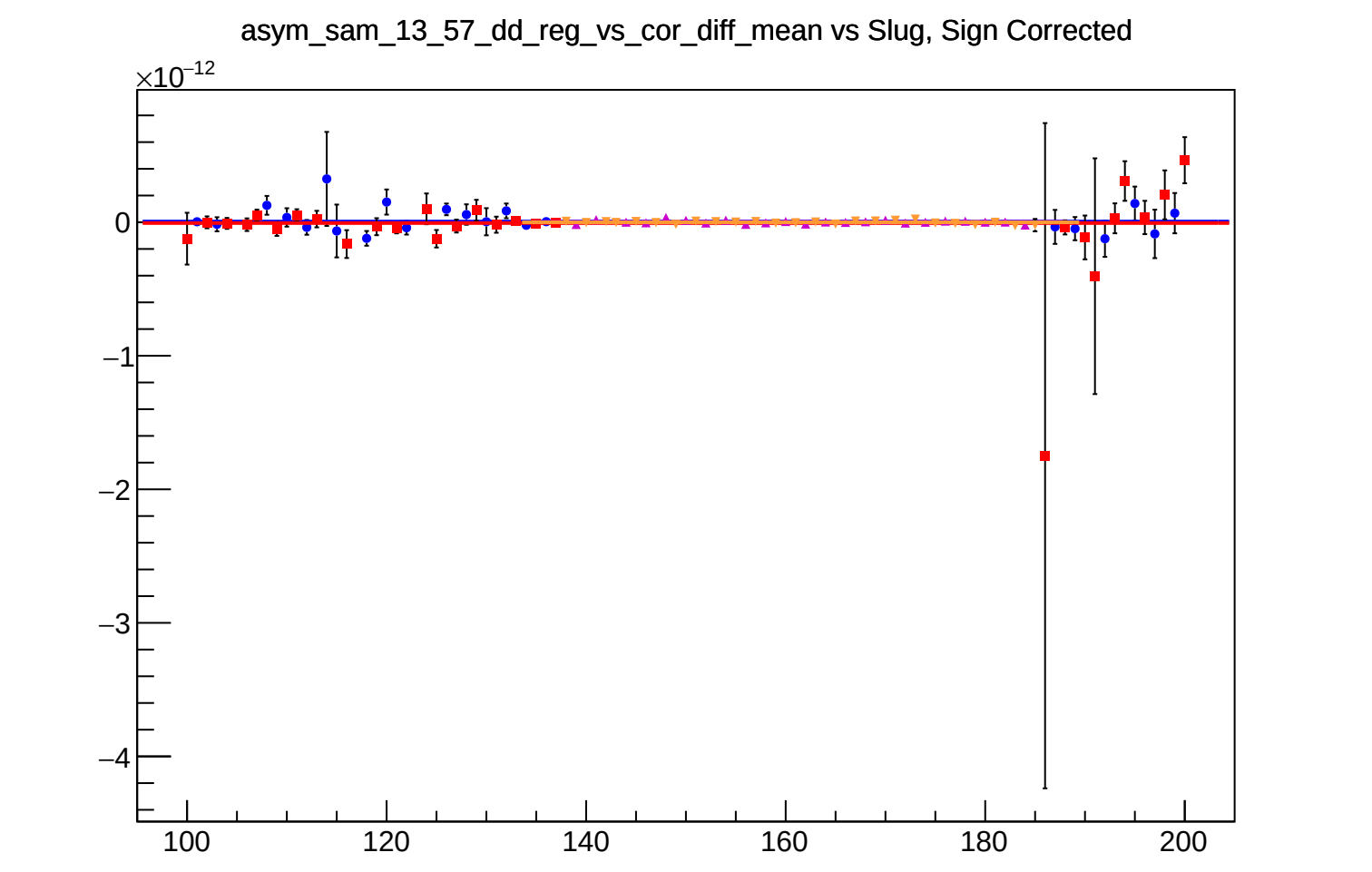
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 550.422+/-0.082 χ^2/NDF: 5335186.5/49

In: 377.935+/-0.051 χ^2/NDF:4837277.8/44

Out: 383.451+/-0.050 χ^2/NDF:6635279.6/52

All: 380.764+/-0.036 χ^2/NDF: 11478515.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/21

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

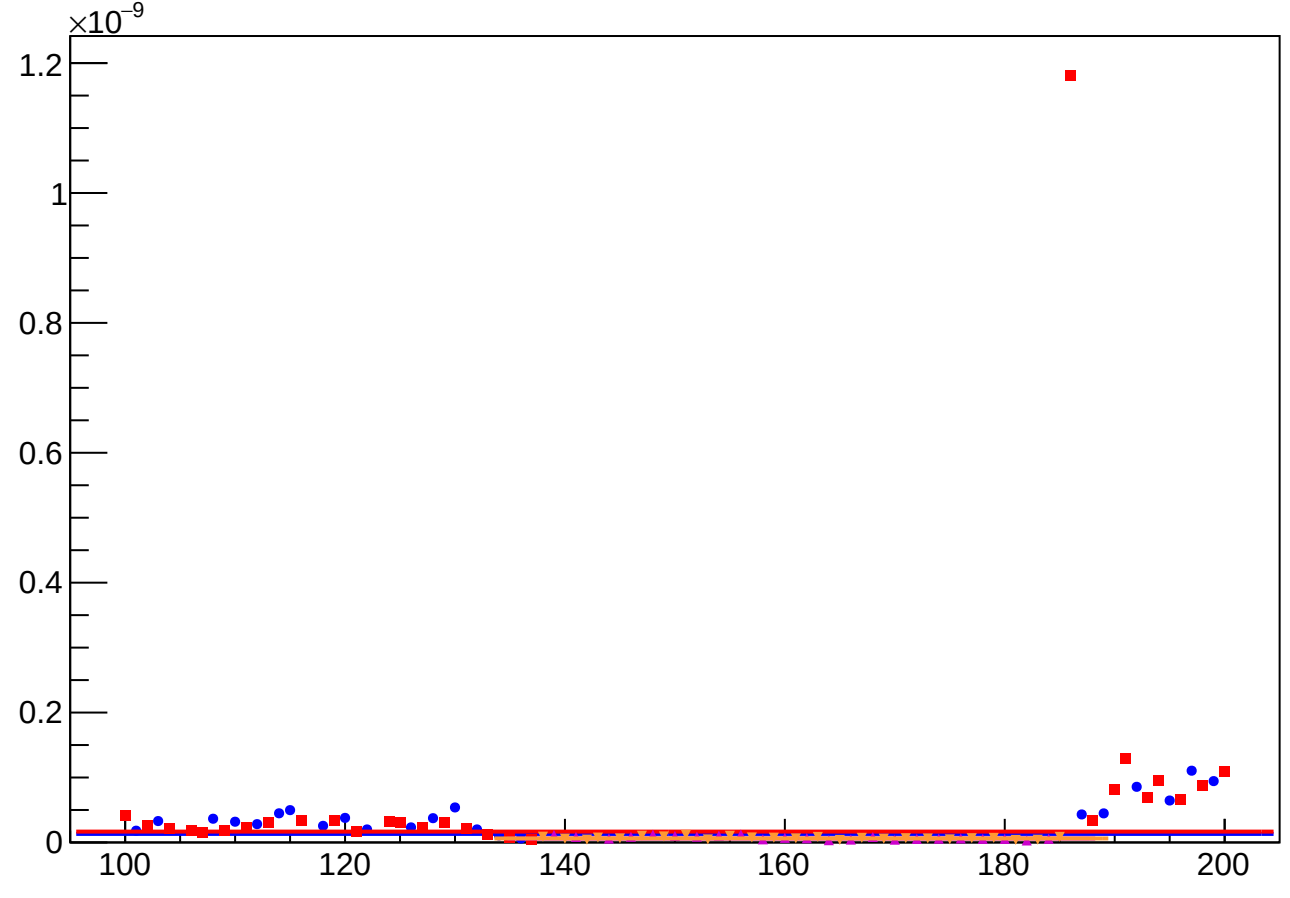
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: 0.000+/-0.000 χ^2/NDF: 54.0/49

In: 0.000+/-0.000 χ^2/NDF:38.6/44

Out: -0.000+/-0.000 χ^2/NDF:48.6/52

All: 0.000+/-0.000 χ^2/NDF: 88.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 5331636.3/21

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

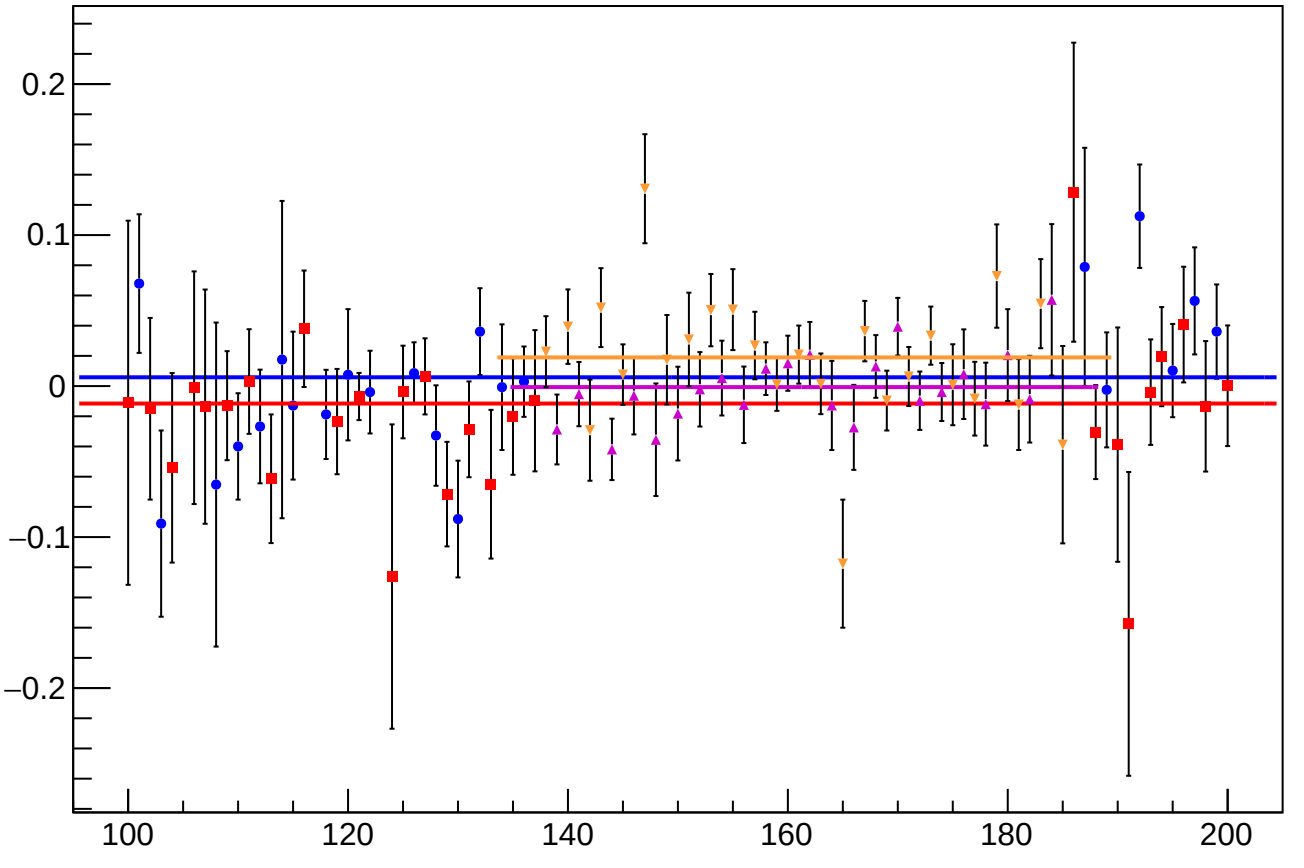
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10576329.2/49

In: 0.000+/-0.000 χ^2/NDF:8437973.4/44

Out: 0.000+/-0.000 χ^2/NDF:8765736.7/52

All: 0.000+/-0.000 χ^2/NDF: 17212733.9/97



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

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

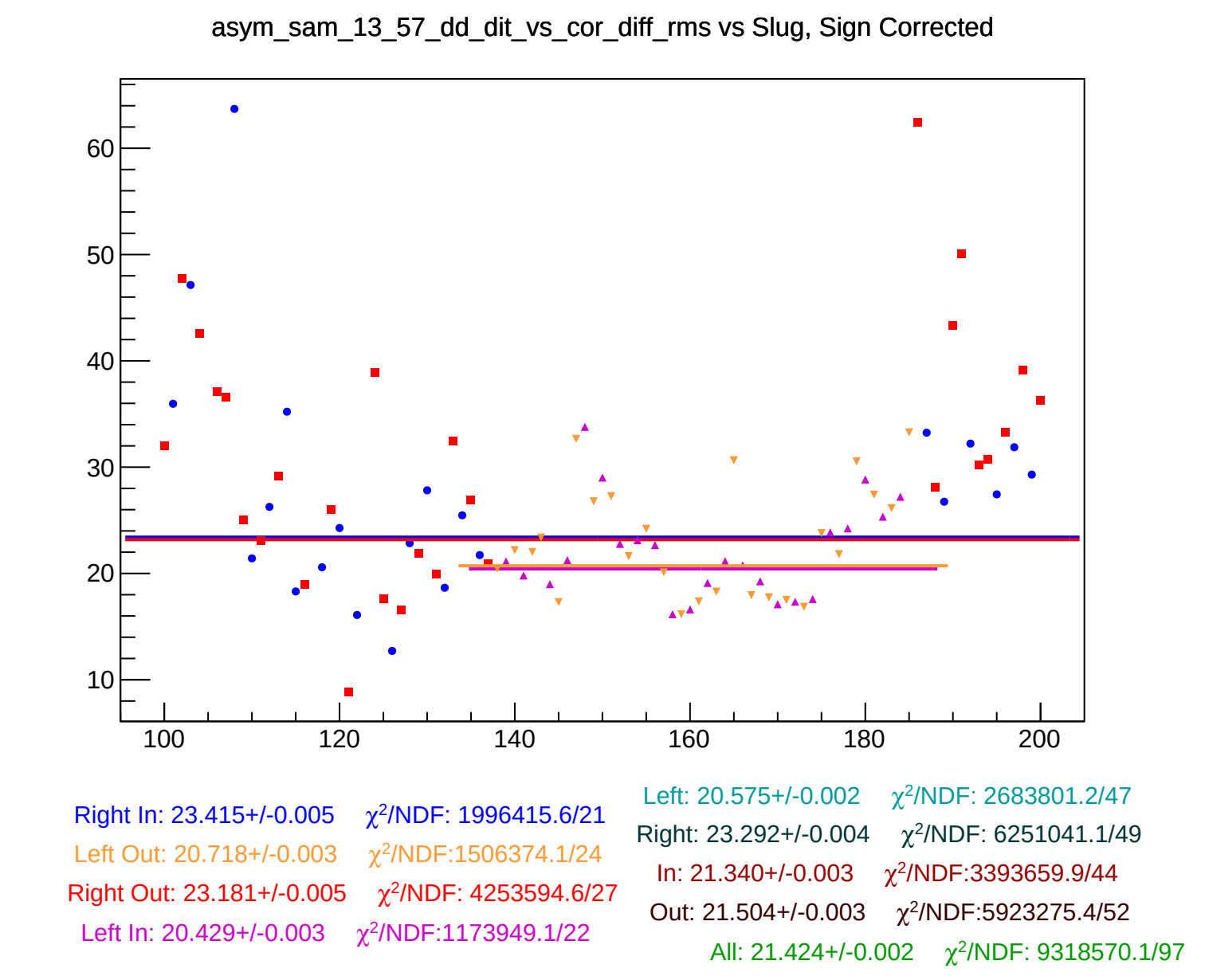
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

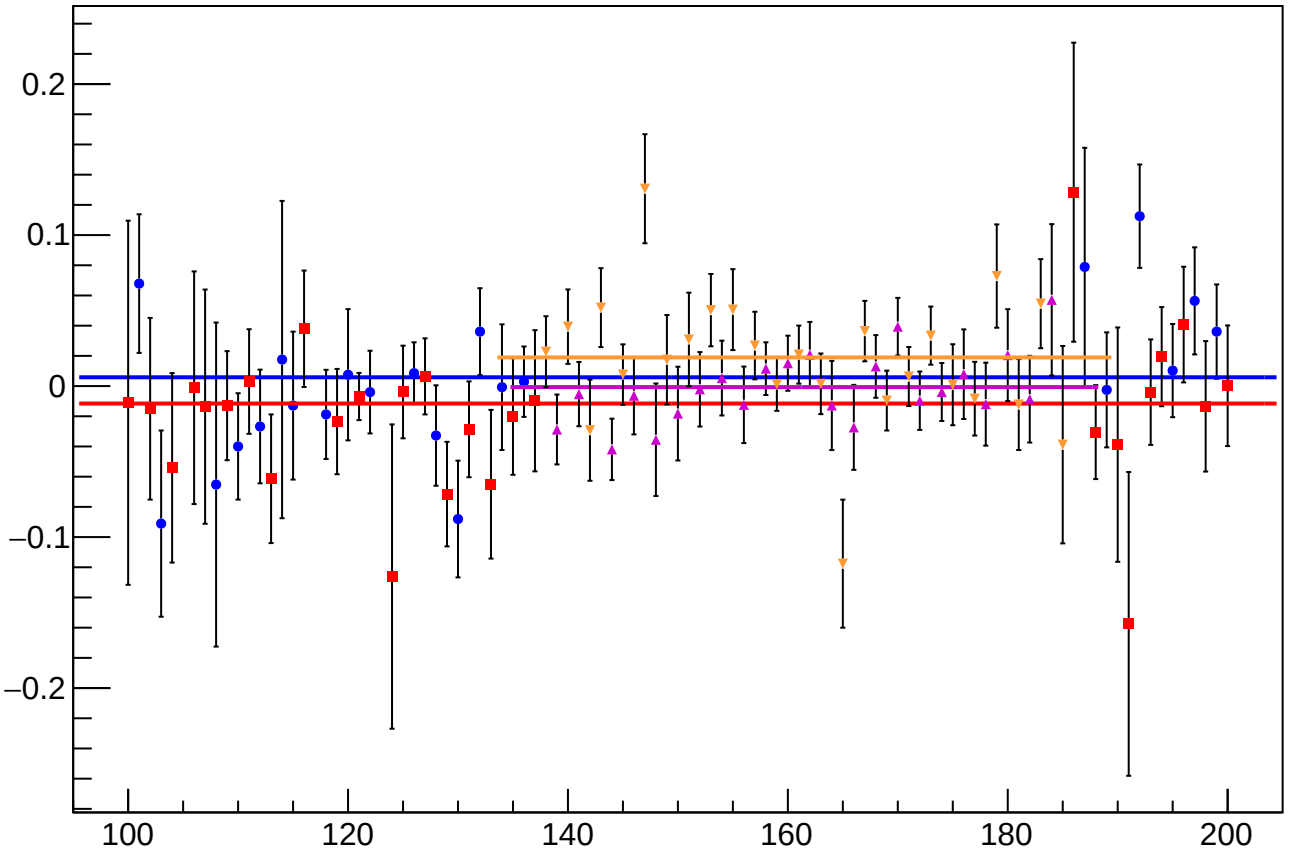
Right: -0.003+/-0.005 χ^2/NDF: 50.8/49

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.7/97


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: 23.415+/-0.005 χ²/NDF: 1996415.6/21
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: 23.292+/-0.004 χ²/NDF: 6251041.1/49
In: 21.340+/-0.003 χ²/NDF:3393659.9/44
Out: 21.504+/-0.003 χ²/NDF:5923275.4/52
All: 21.424+/-0.002 χ²/NDF: 9318570.1/97



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

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

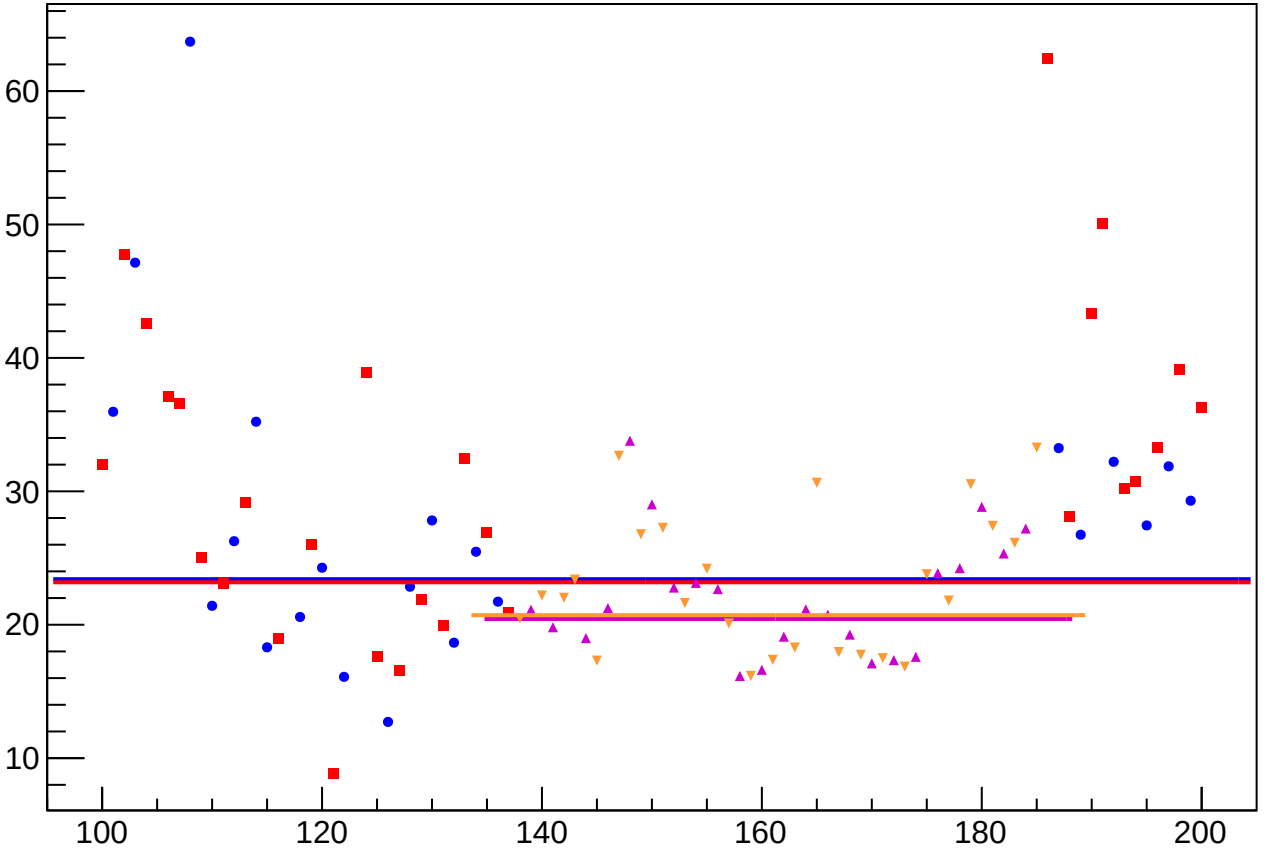
Right: -0.003+/-0.005 χ^2/NDF: 50.8/49

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.7/97

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

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

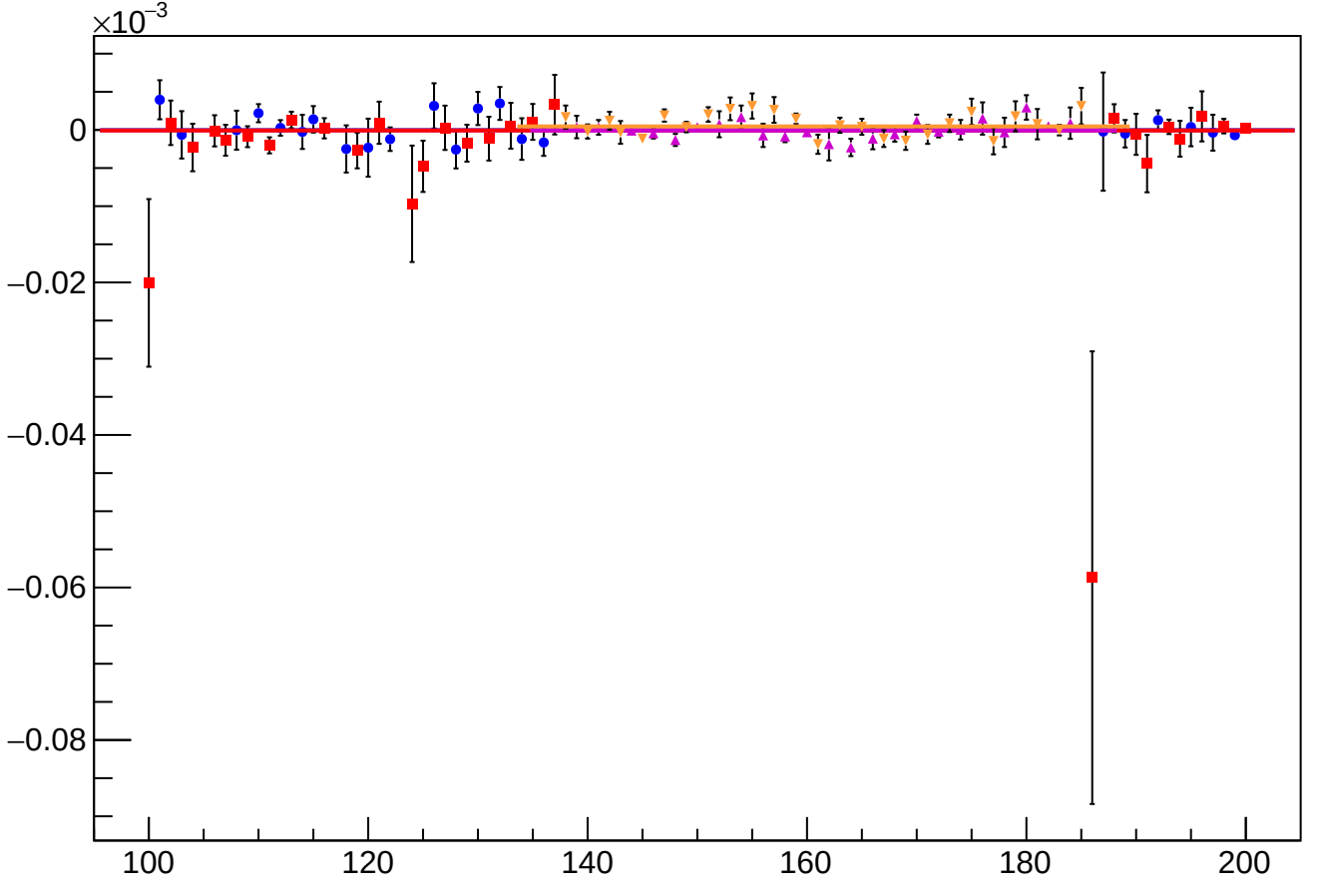
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.292+/-0.004 χ^2/NDF: 6251041.1/49

In: 21.340+/-0.003 χ^2/NDF:3393659.9/44

Out: 21.504+/-0.003 χ^2/NDF:5923275.4/52

All: 21.424+/-0.002 χ^2/NDF: 9318570.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

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

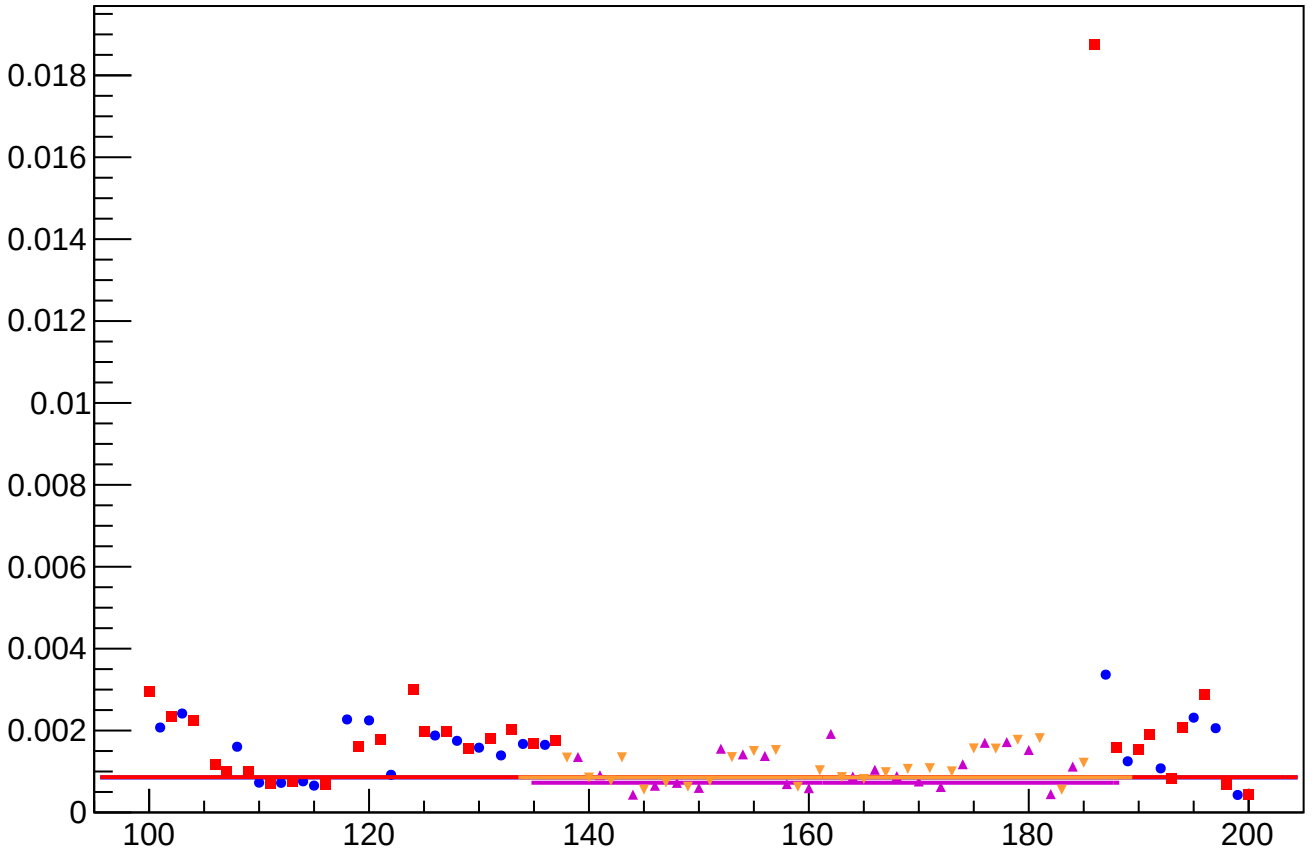
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 43.1/49

In: -0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:62.8/52

All: 0.000+/-0.000 χ^2/NDF: 103.7/97



Right In: 0.001+/-0.000 χ^2/NDF: 6685312.7/21

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

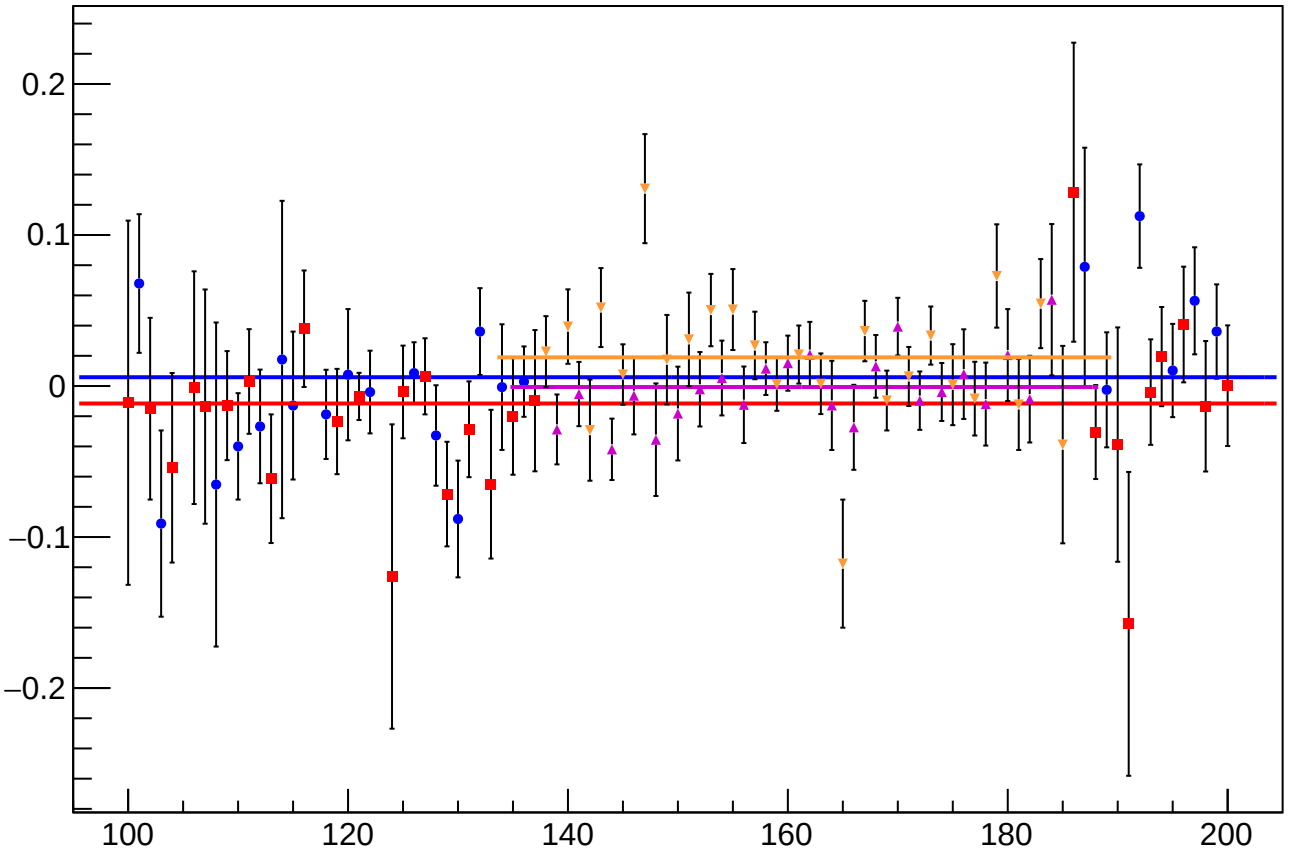
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 14172510.6/49

In: 0.001+/-0.000 χ^2/NDF:12745901.3/44

Out: 0.001+/-0.000 χ^2/NDF:11926141.8/52

All: 0.001+/-0.000 χ^2/NDF: 25024957.3/97



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

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

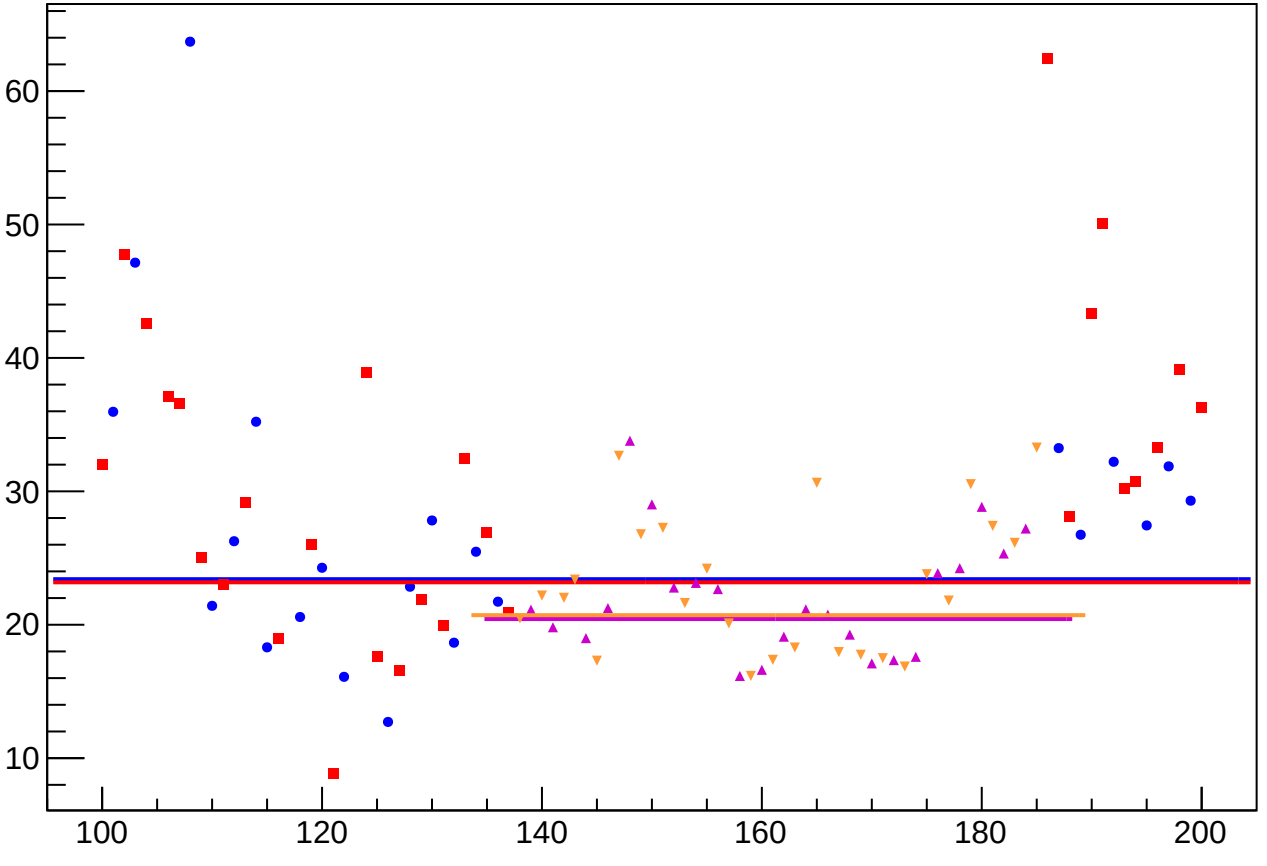
Right: -0.003+/-0.005 χ^2/NDF: 50.8/49

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.7/97

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

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

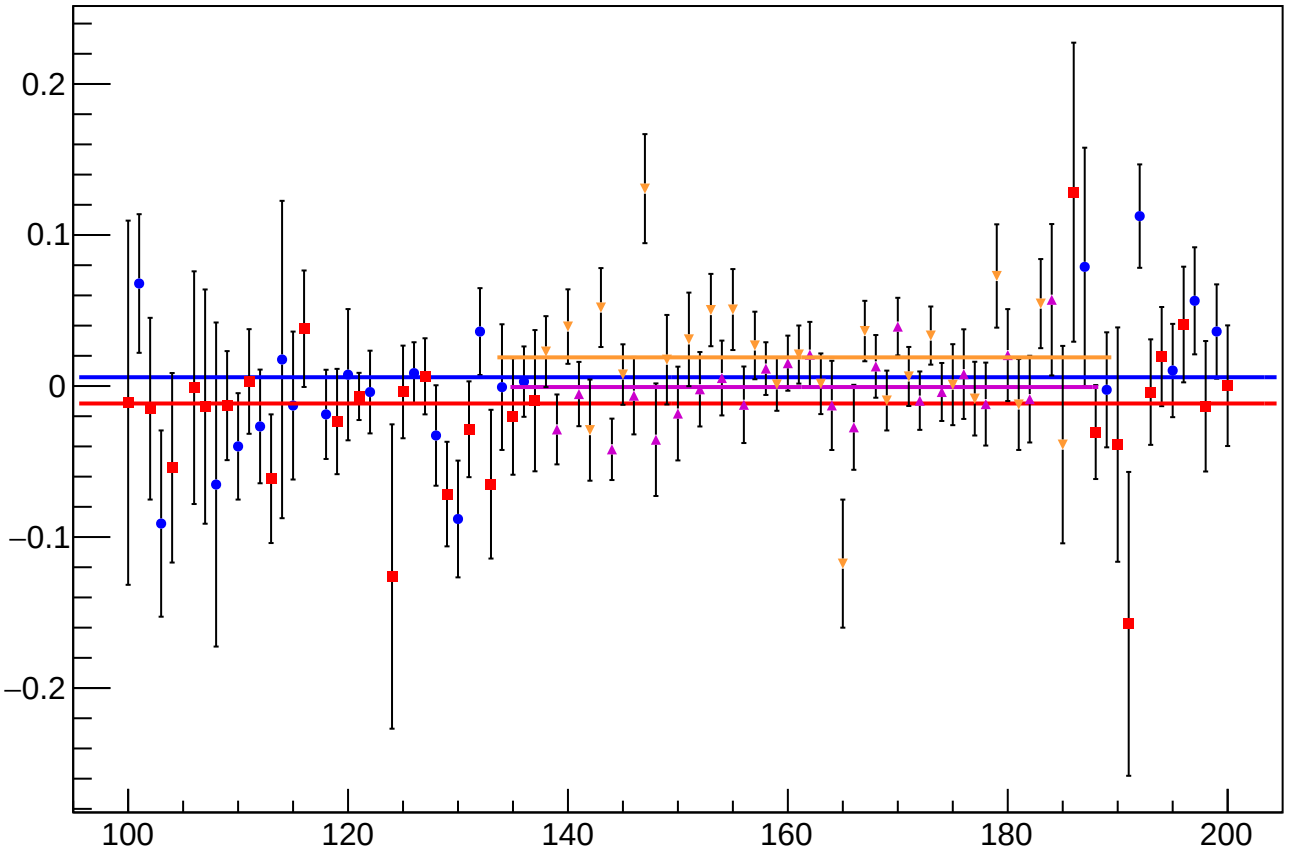
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.293+/-0.004 χ^2/NDF: 6250291.8/49

In: 21.340+/-0.003 χ^2/NDF:3393568.8/44

Out: 21.504+/-0.003 χ^2/NDF:5922887.0/52

All: 21.424+/-0.002 χ^2/NDF: 9318091.2/97



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

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

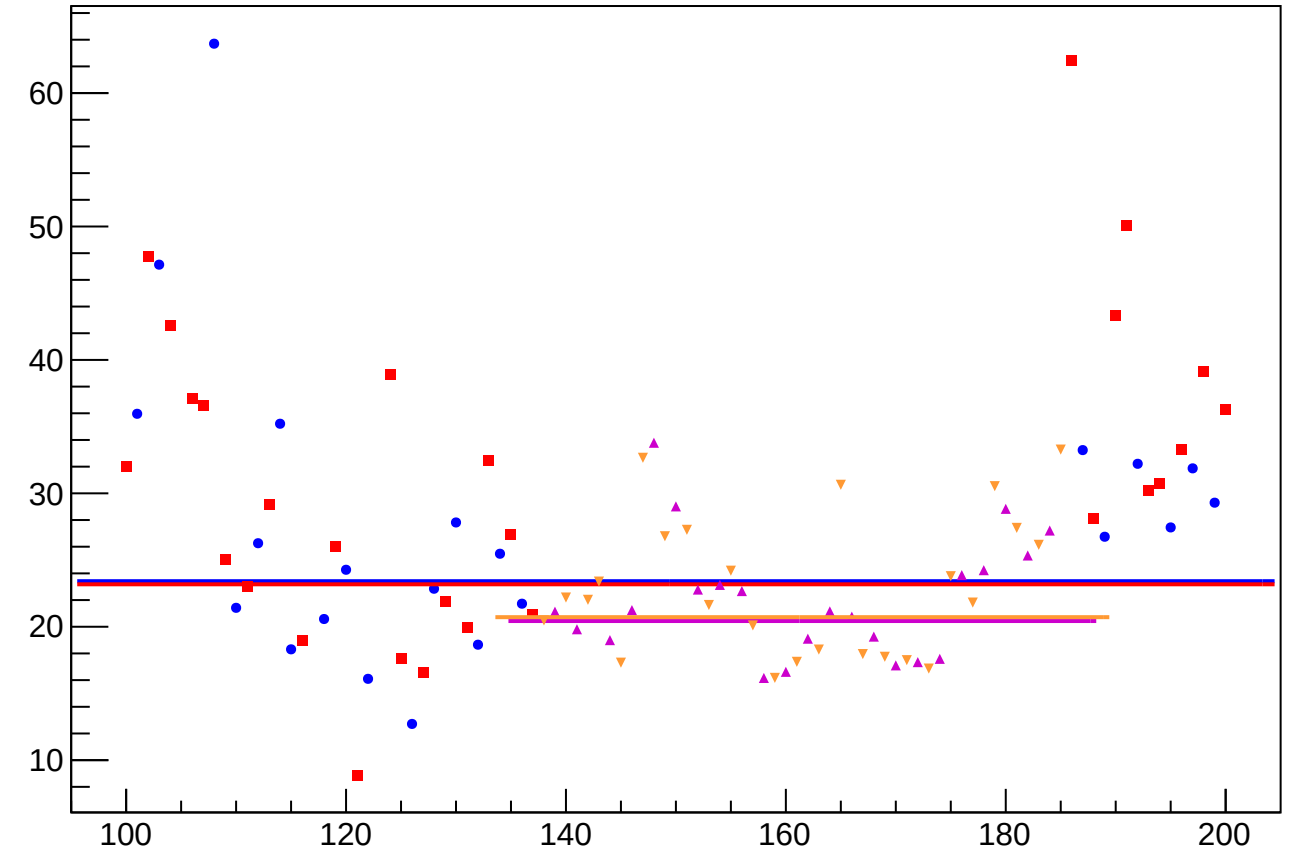
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.005 χ^2/NDF: 50.8/49

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.5/52

All: 0.005+/-0.003 χ^2/NDF: 121.7/97



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

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

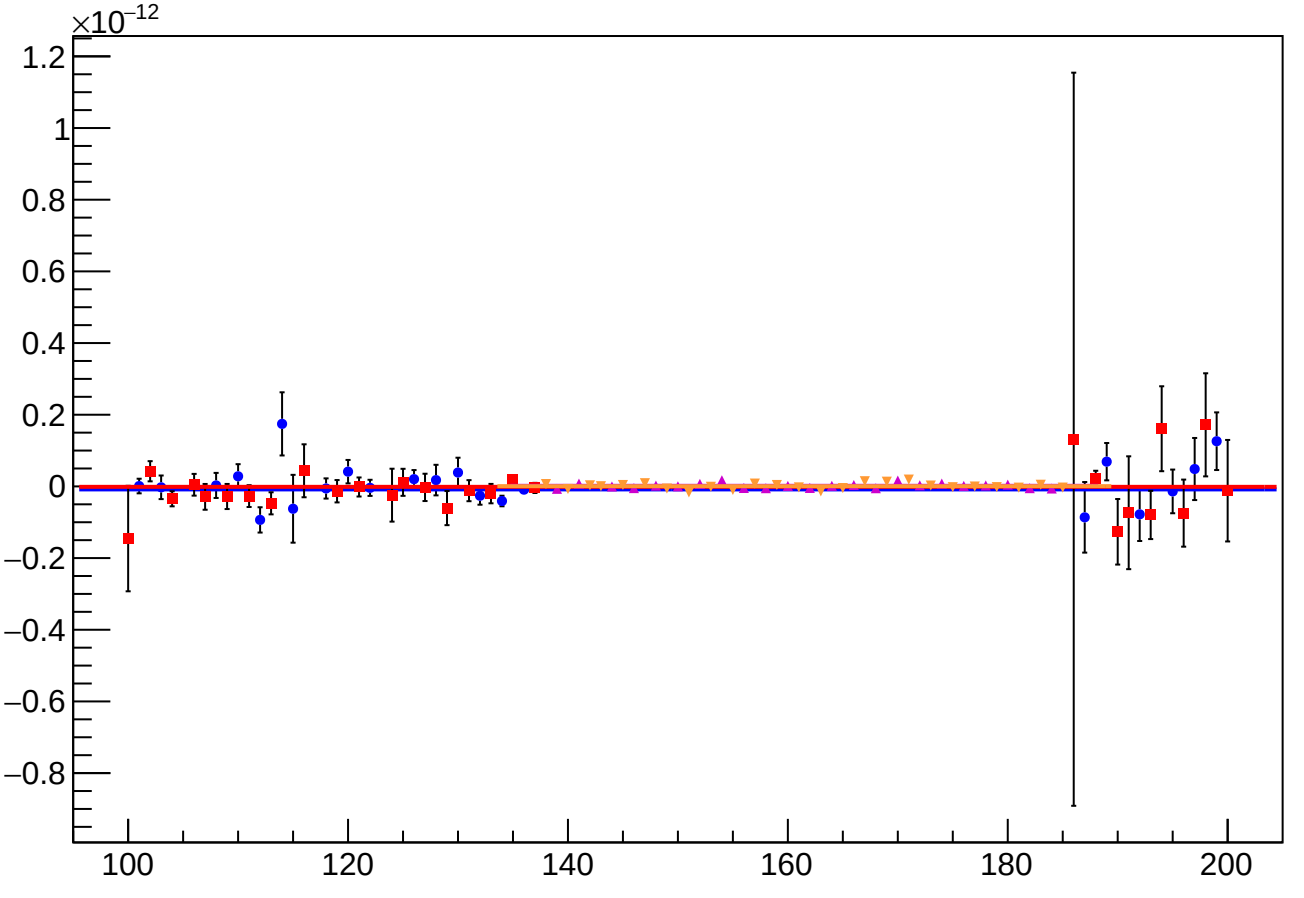
Right: 23.293+/-0.004 χ^2/NDF: 6250291.8/49

In: 21.340+/-0.003 χ^2/NDF:3393568.8/44

Out: 21.504+/-0.003 χ^2/NDF:5922887.0/52

All: 21.424+/-0.002 χ^2/NDF: 9318091.2/97

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

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

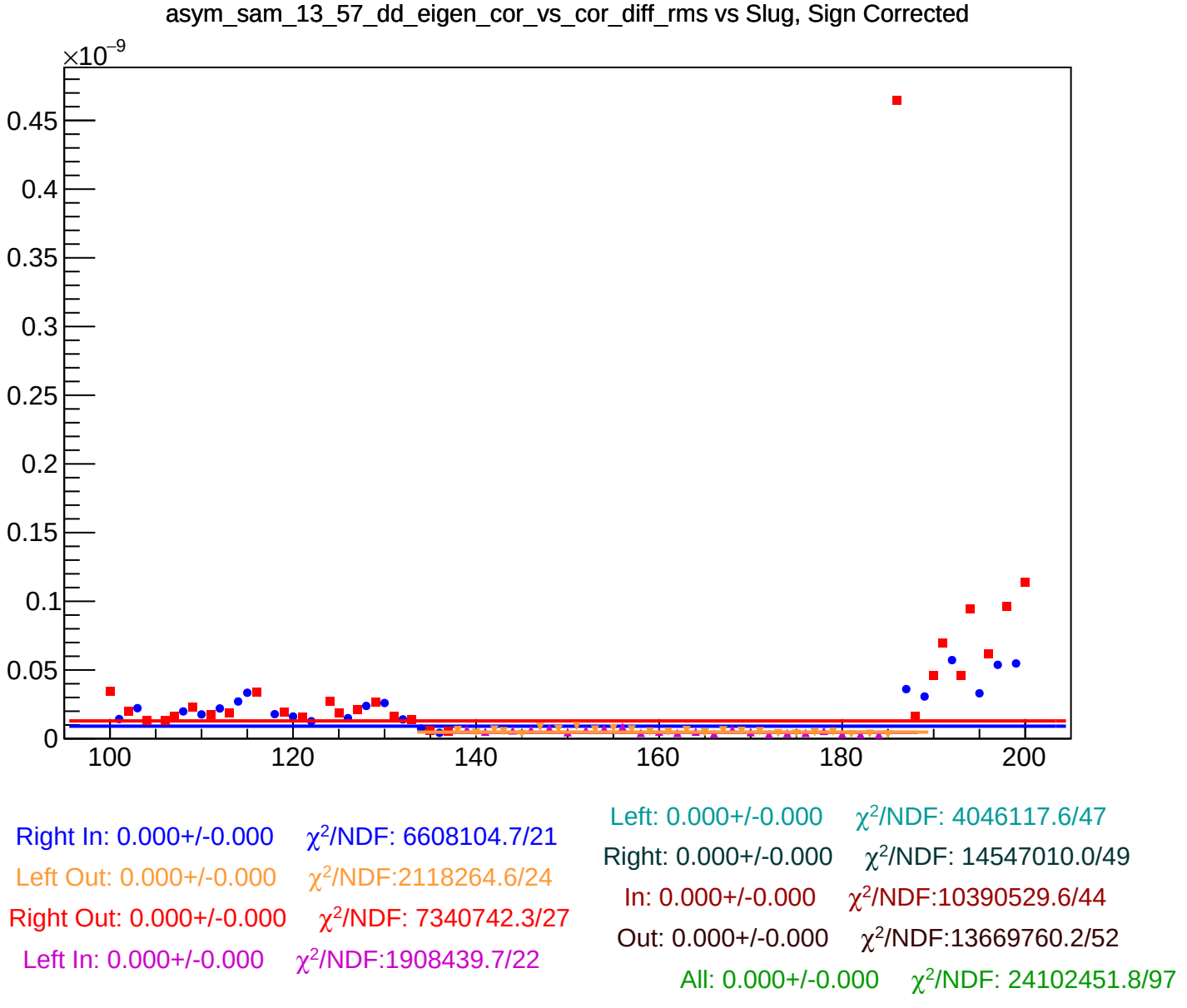
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

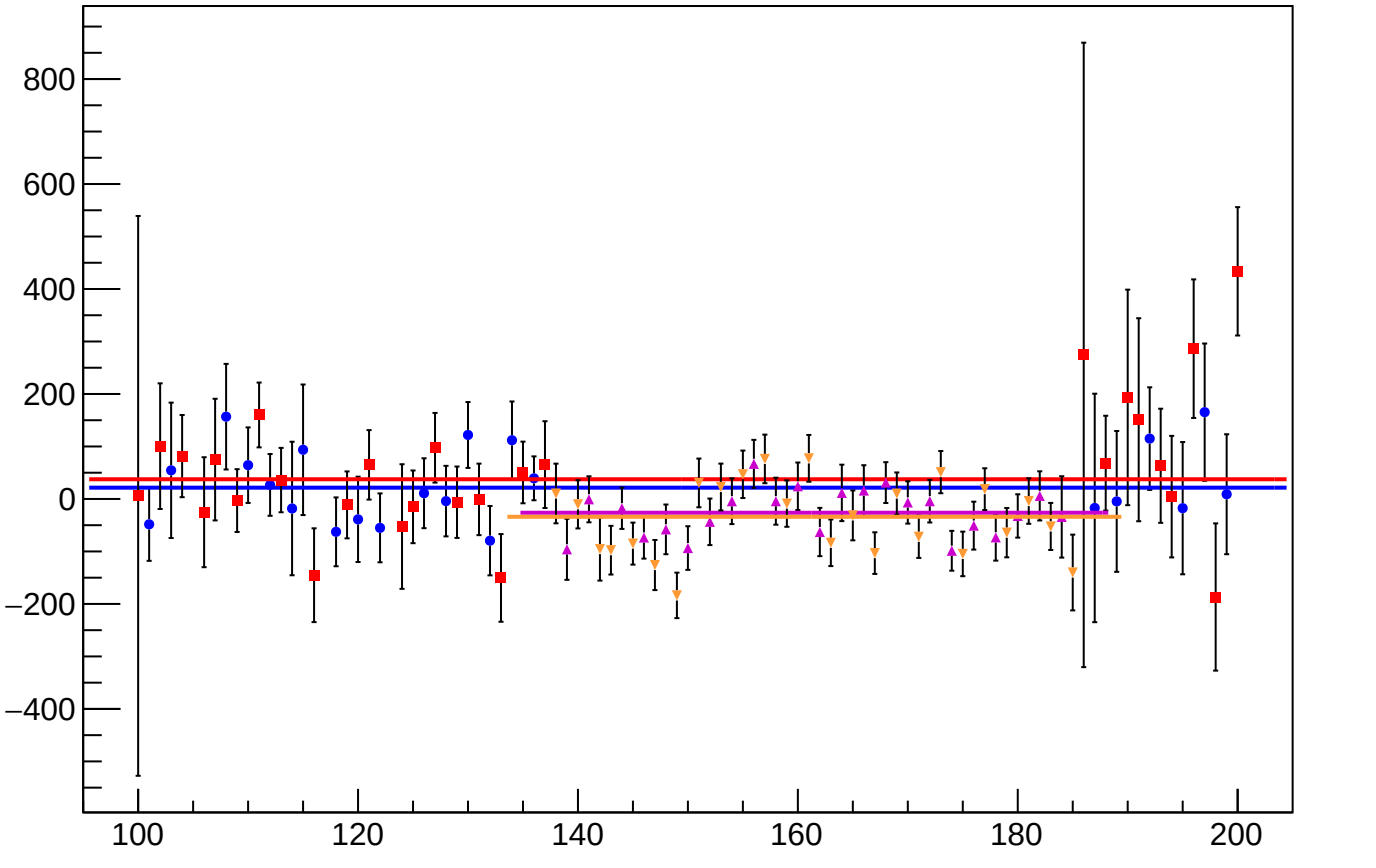
Right: -0.000+/-0.000 χ^2/NDF: 55.9/49

In: 0.000+/-0.000 χ^2/NDF:54.8/44

Out: 0.000+/-0.000 χ^2/NDF:54.5/52

All: 0.000+/-0.000 χ^2/NDF: 109.3/97


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6608104.7/21
Left Out: 0.000+/-0.000 χ²/NDF:2118264.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 7340742.3/27
Left In: 0.000+/-0.000 χ²/NDF:1908439.7/22
Left: 0.000+/-0.000 χ²/NDF: 4046117.6/47
Right: 0.000+/-0.000 χ²/NDF: 14547010.0/49
In: 0.000+/-0.000 χ²/NDF:10390529.6/44
Out: 0.000+/-0.000 χ²/NDF:13669760.2/52
All: 0.000+/-0.000 χ²/NDF: 24102451.8/97



Right In: 21.520+/-16.539 χ^2/NDF: 16.3/21

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

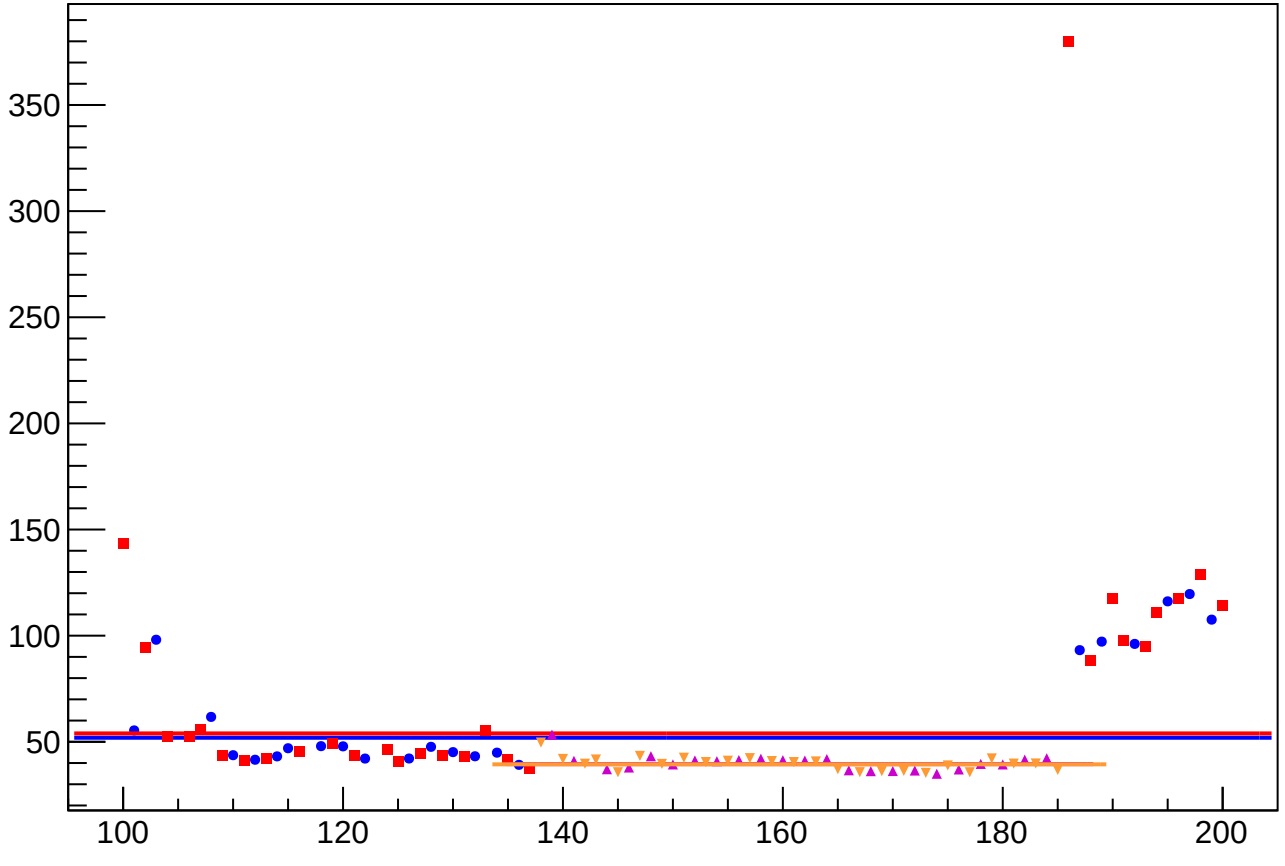
Right: 29.720+/-11.552 χ^2/NDF: 53.0/49

In: -14.840+/-8.087 χ^2/NDF:45.1/44

Out: -17.023+/-7.856 χ^2/NDF:110.0/52

All: -15.963+/-5.635 χ^2/NDF: 155.1/97

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.917+/-0.012 χ^2/NDF: 2991646.5/21

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

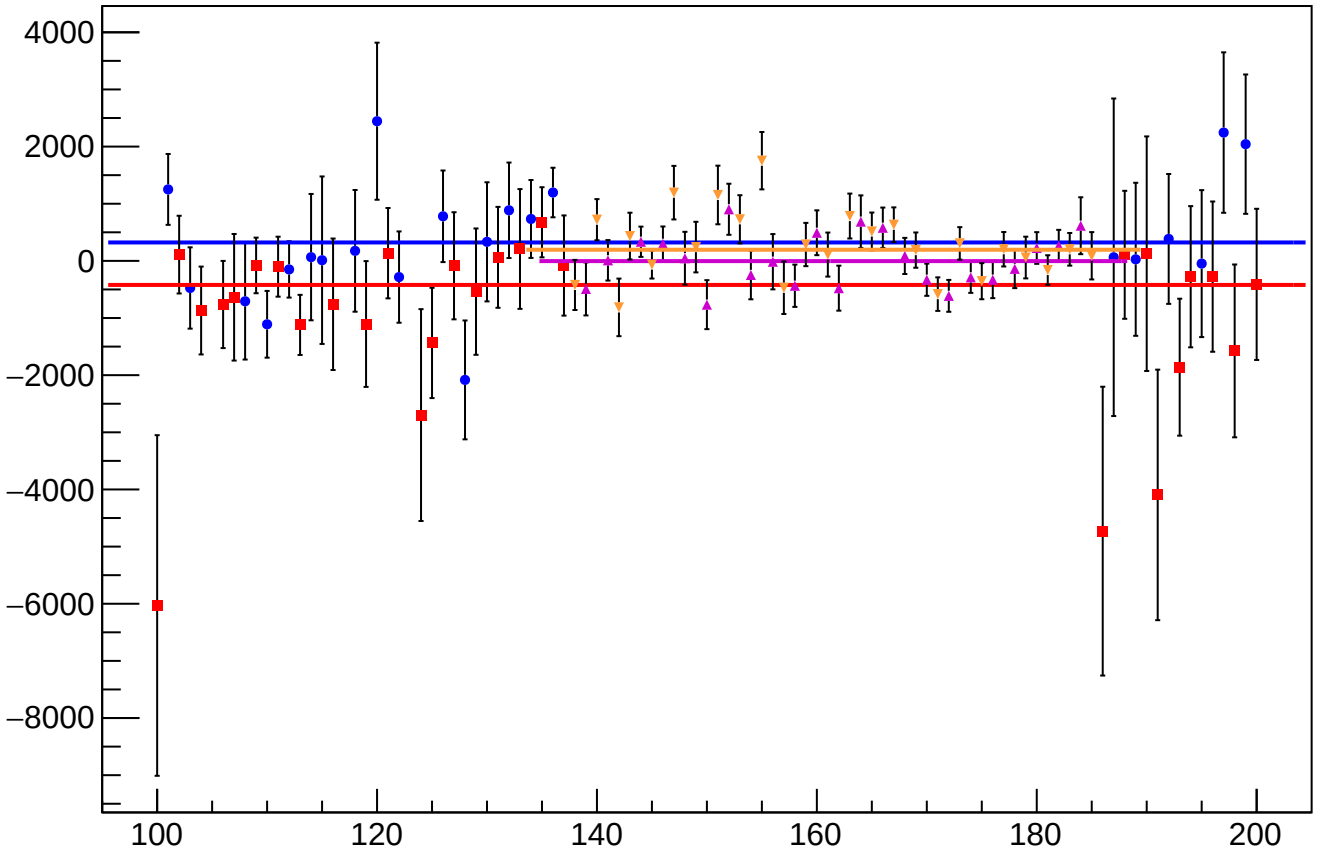
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.960+/-0.008 χ^2/NDF: 7447874.8/49

In: 42.462+/-0.006 χ^2/NDF:4102490.7/44

Out: 42.834+/-0.006 χ^2/NDF:5912918.2/52

All: 42.653+/-0.004 χ^2/NDF: 10017580.0/97



Right In: 322.292+/-175.686 χ^2/NDF: 29.1/21

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

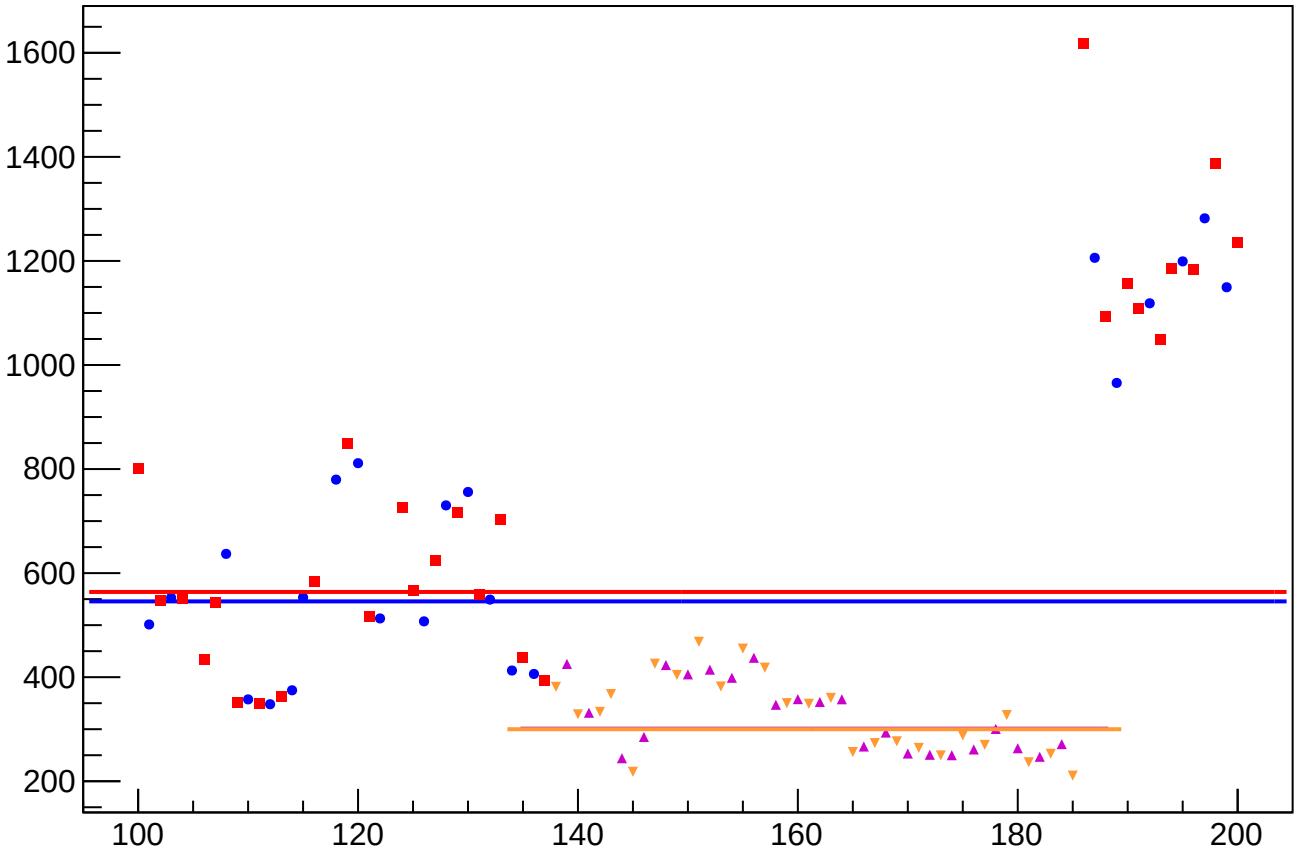
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -63.498+/-121.834 χ^2/NDF: 61.5/49

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 104.720+/-64.751 χ^2/NDF:83.1/52

All: 74.677+/-46.428 χ^2/NDF: 147.9/97



Right In: 545.671+/-0.124 χ^2/NDF: 3585629.5/21

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

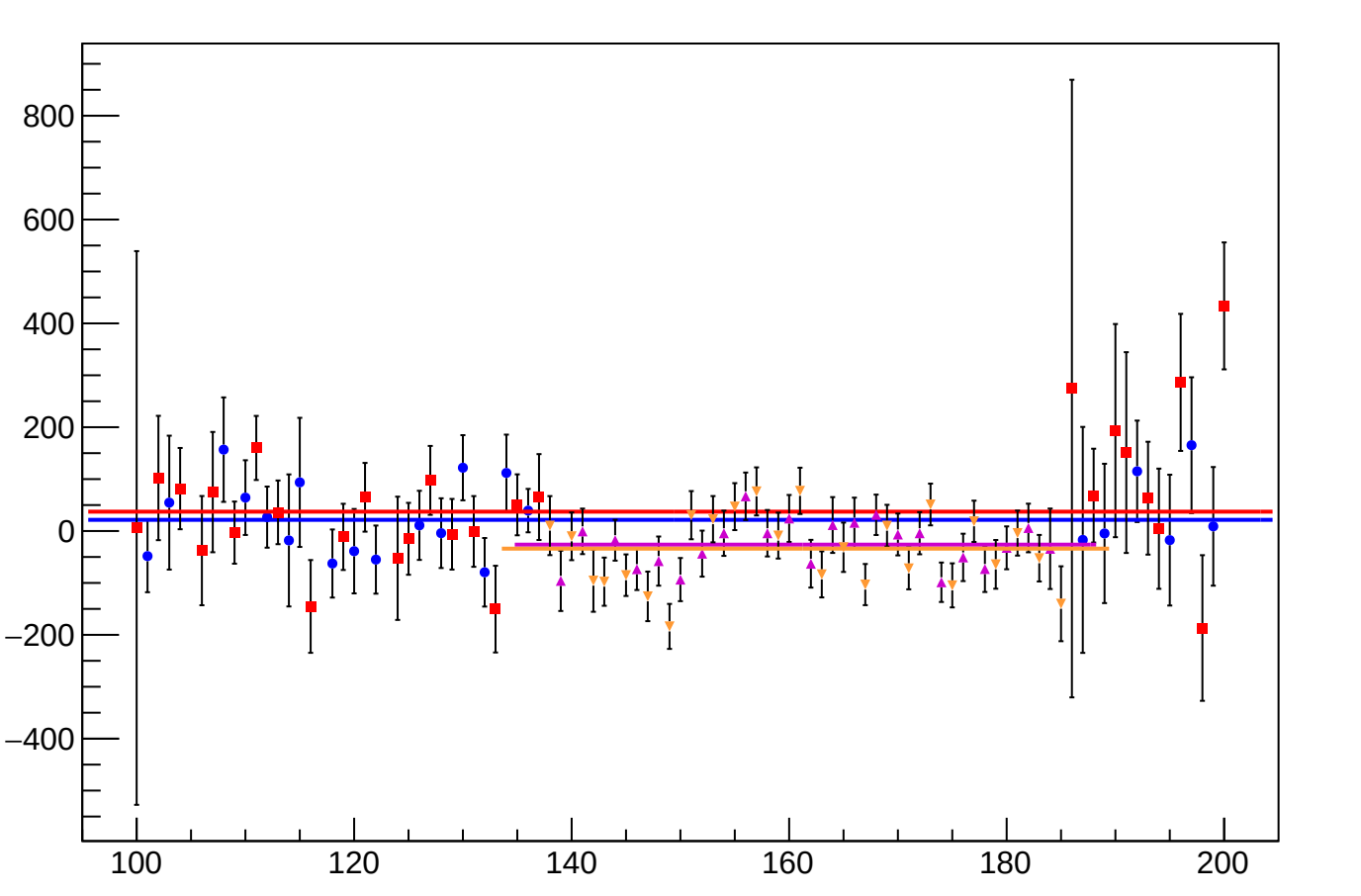
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 555.077+/-0.086 χ^2/NDF: 8548987.1/49

In: 336.168+/-0.047 χ^2/NDF:8314316.9/44

Out: 338.656+/-0.046 χ^2/NDF:10914808.7/52

All: 337.447+/-0.033 χ^2/NDF: 19230560.8/97



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

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

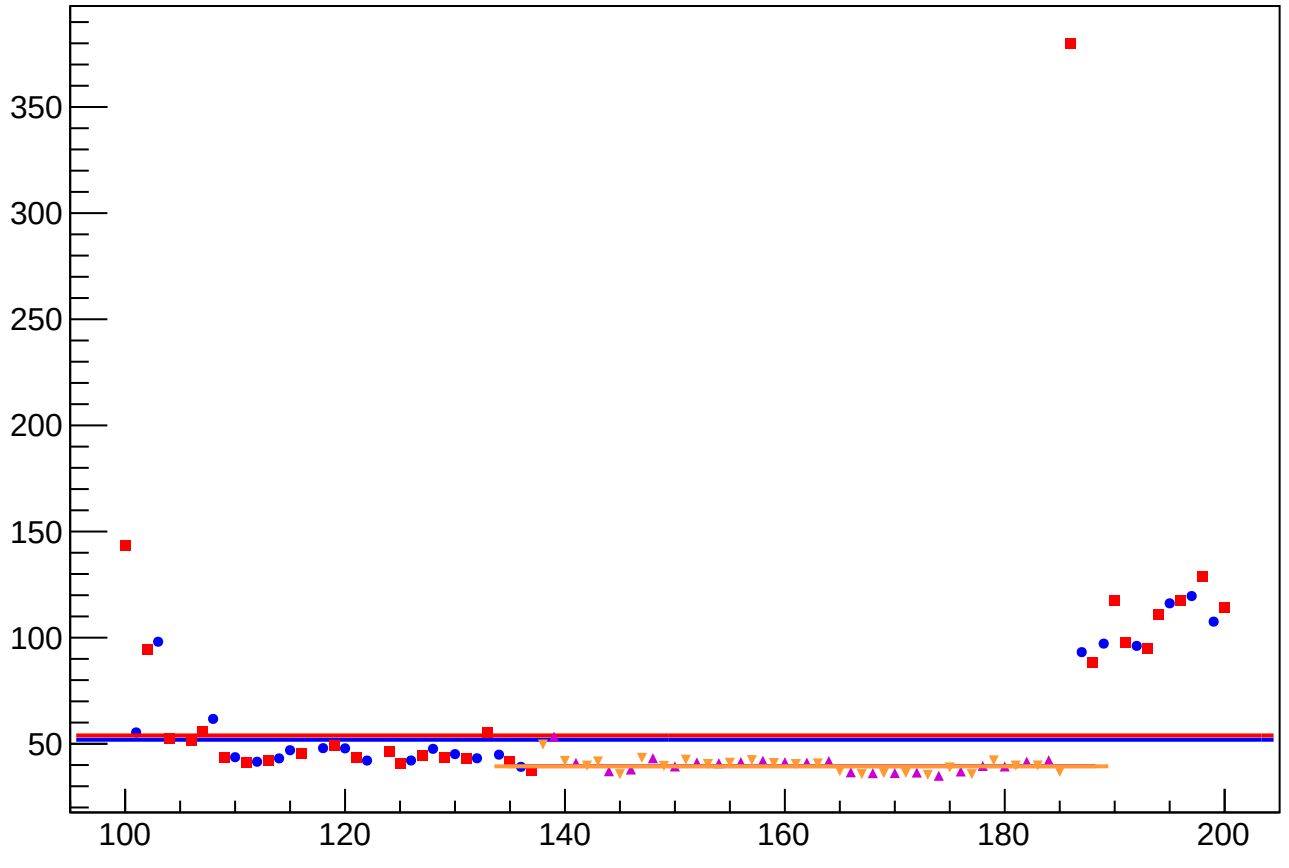
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.593+/-11.553 χ^2/NDF: 53.2/49

In: -14.839+/-8.087 χ^2/NDF:45.1/44

Out: -17.085+/-7.857 χ^2/NDF:110.0/52

All: -15.995+/-5.635 χ^2/NDF: 155.2/97



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

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

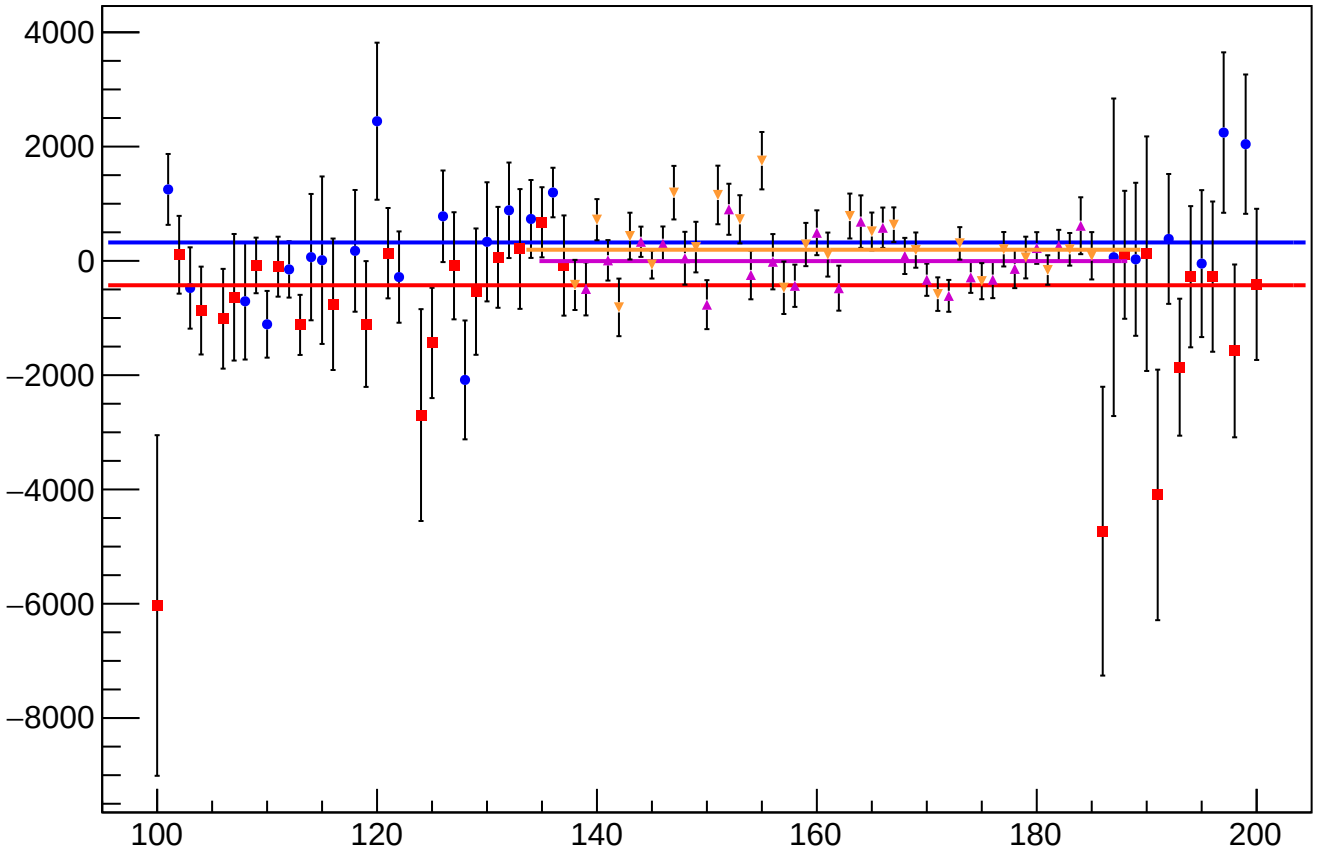
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.950+/-0.008 χ^2/NDF: 7448364.2/49

In: 42.462+/-0.006 χ^2/NDF:4102493.7/44

Out: 42.829+/-0.006 χ^2/NDF:5910261.8/52

All: 42.651+/-0.004 χ^2/NDF: 10014867.7/97



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

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

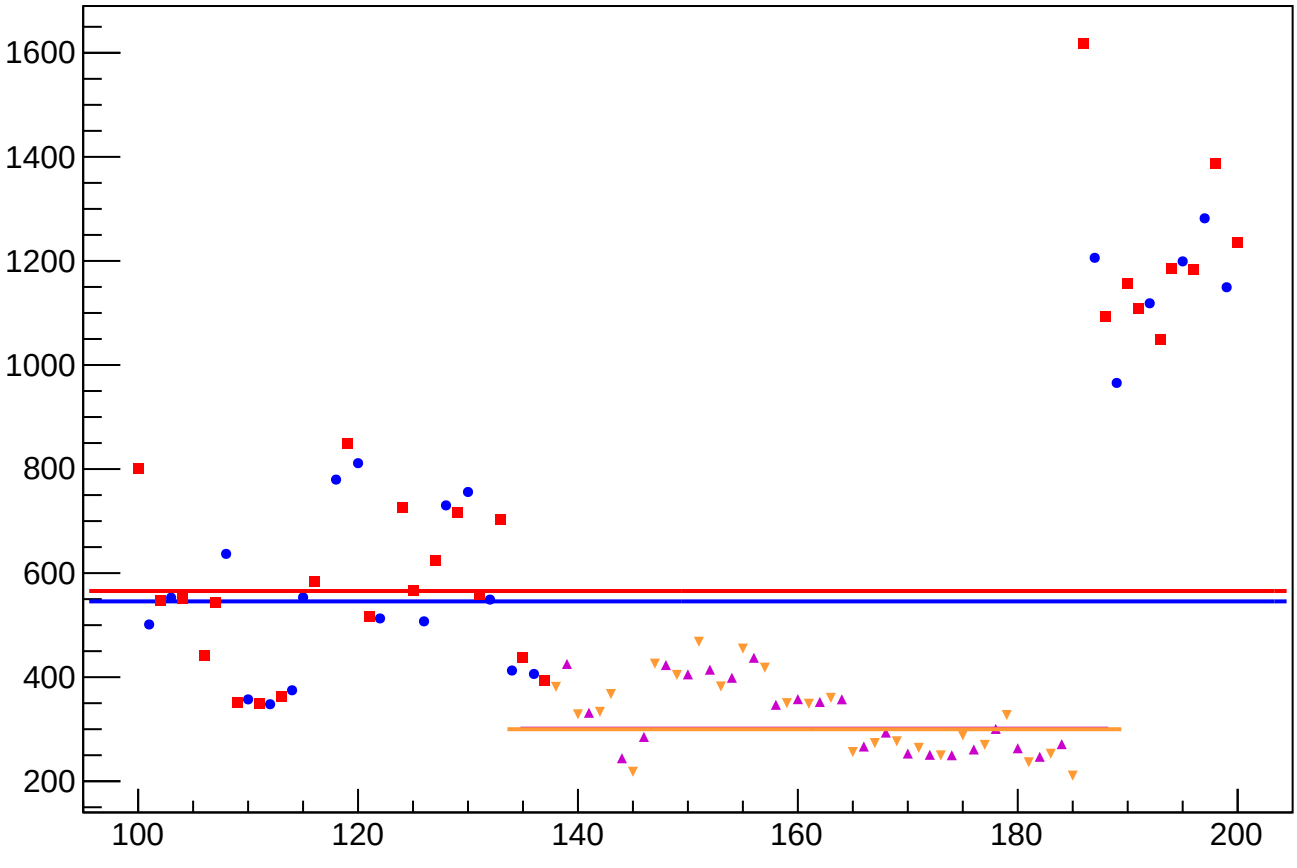
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -64.245+/-122.207 χ^2/NDF: 61.9/49

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 104.799+/-64.806 χ^2/NDF:83.4/52

All: 74.692+/-46.449 χ^2/NDF: 148.3/97



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

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

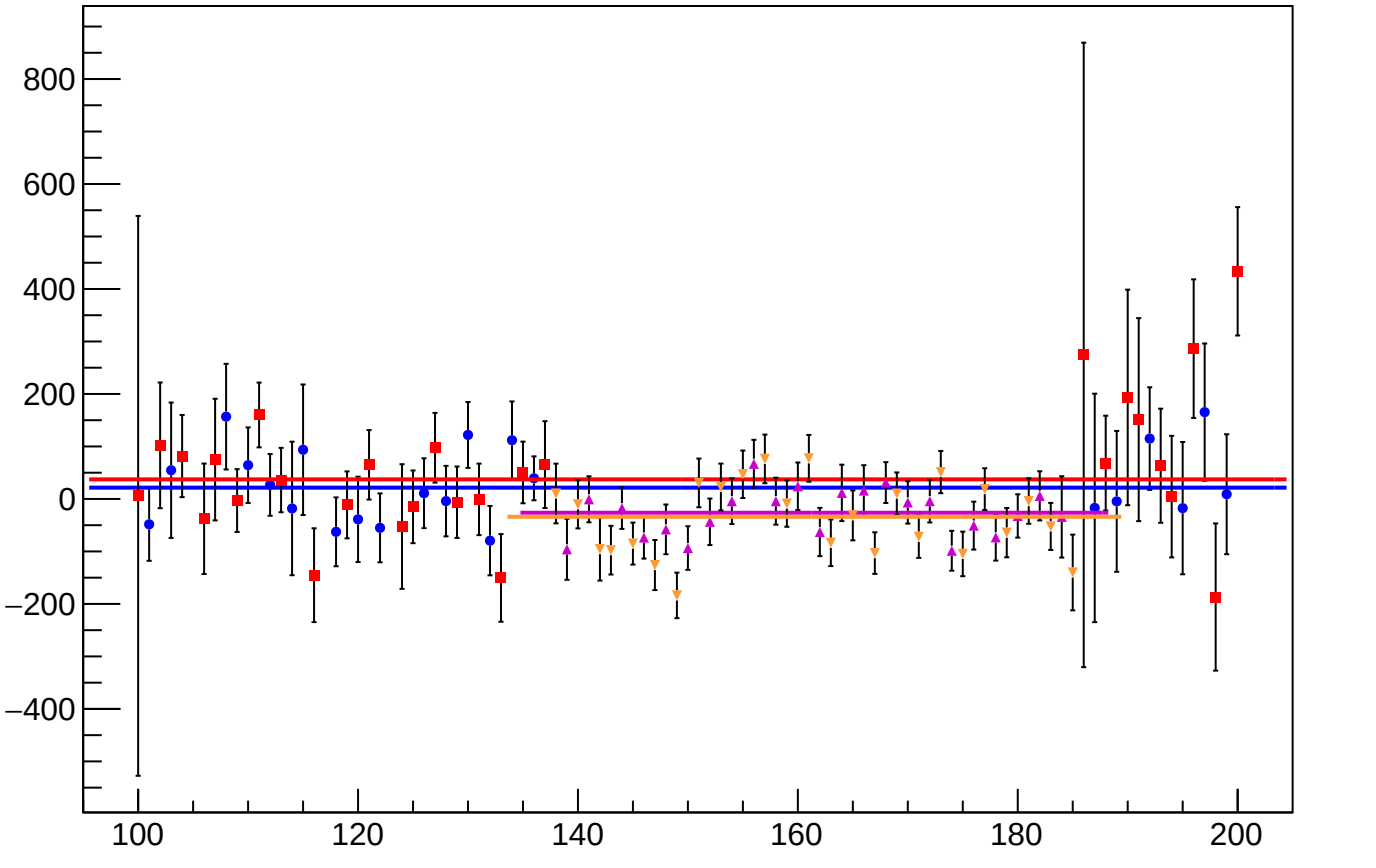
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 555.969+/-0.086 χ^2/NDF: 8532472.6/49

In: 336.168+/-0.047 χ^2/NDF:8314378.0/44

Out: 338.535+/-0.046 χ^2/NDF:10911621.5/52

All: 337.384+/-0.033 χ^2/NDF: 19227296.4/97



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

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

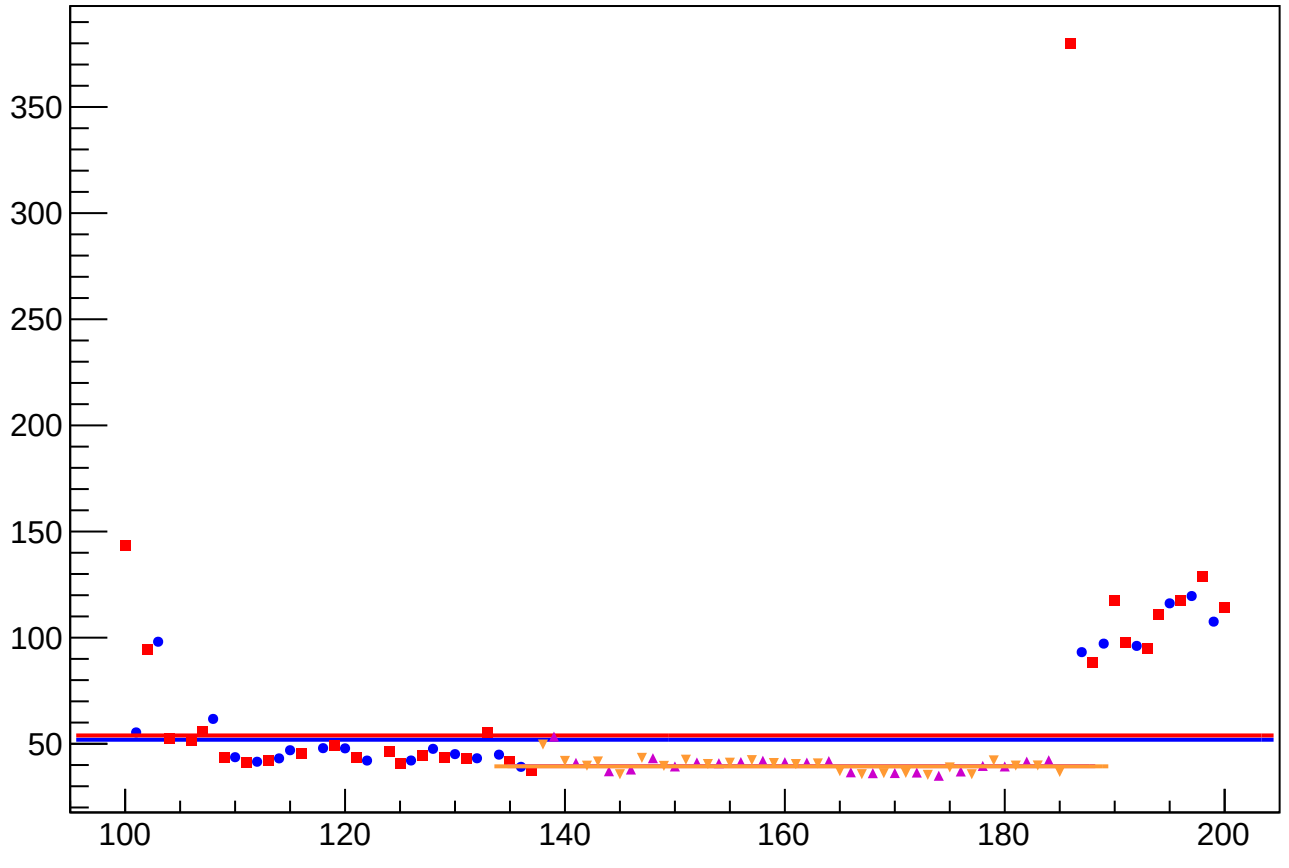
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 29.593+/-11.553 χ^2/NDF: 53.2/49

In: -14.839+/-8.087 χ^2/NDF:45.1/44

Out: -17.085+/-7.857 χ^2/NDF:110.0/52

All: -15.995+/-5.635 χ^2/NDF: 155.2/97



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

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

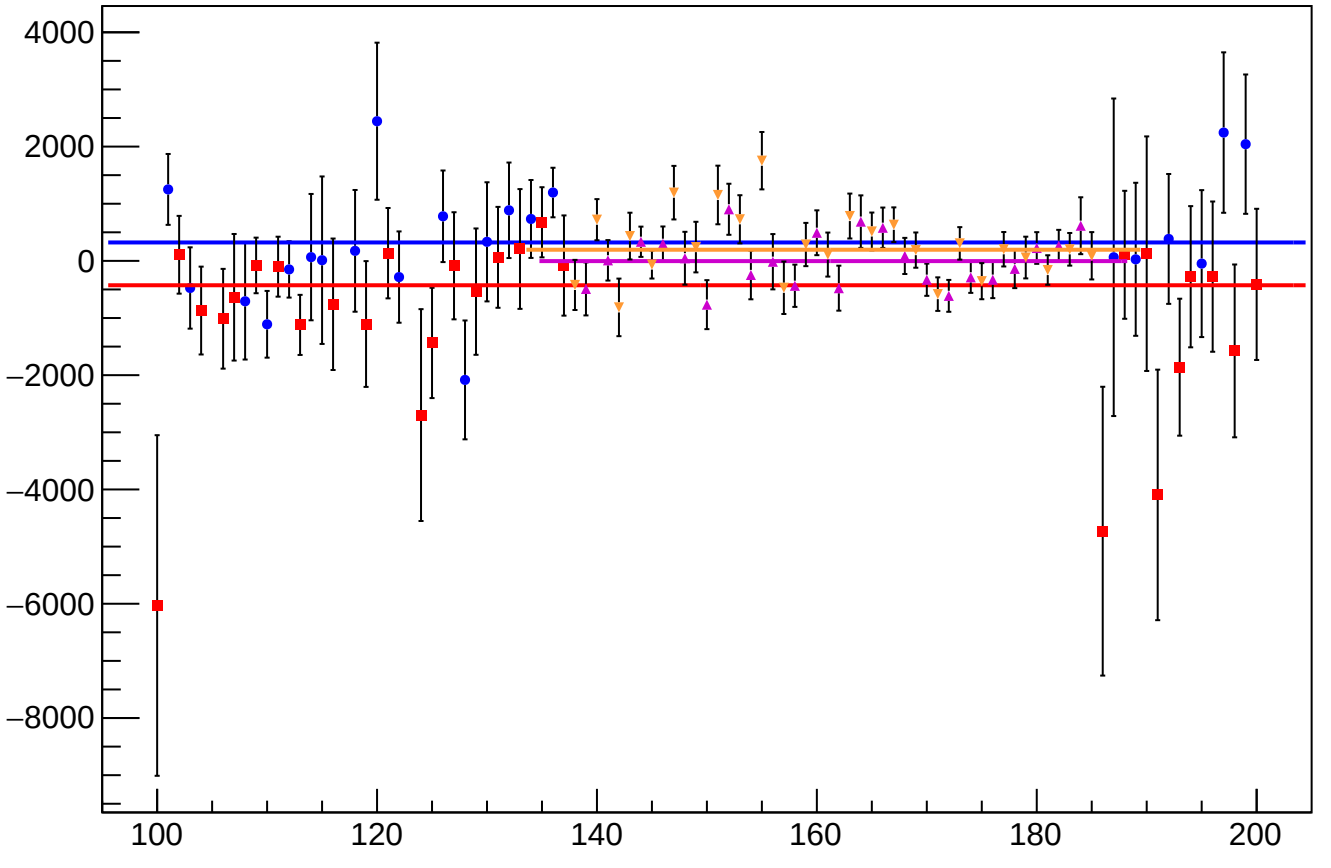
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.950+/-0.008 χ^2/NDF: 7448364.2/49

In: 42.462+/-0.006 χ^2/NDF:4102493.7/44

Out: 42.829+/-0.006 χ^2/NDF:5910261.8/52

All: 42.651+/-0.004 χ^2/NDF: 10014867.7/97



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

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

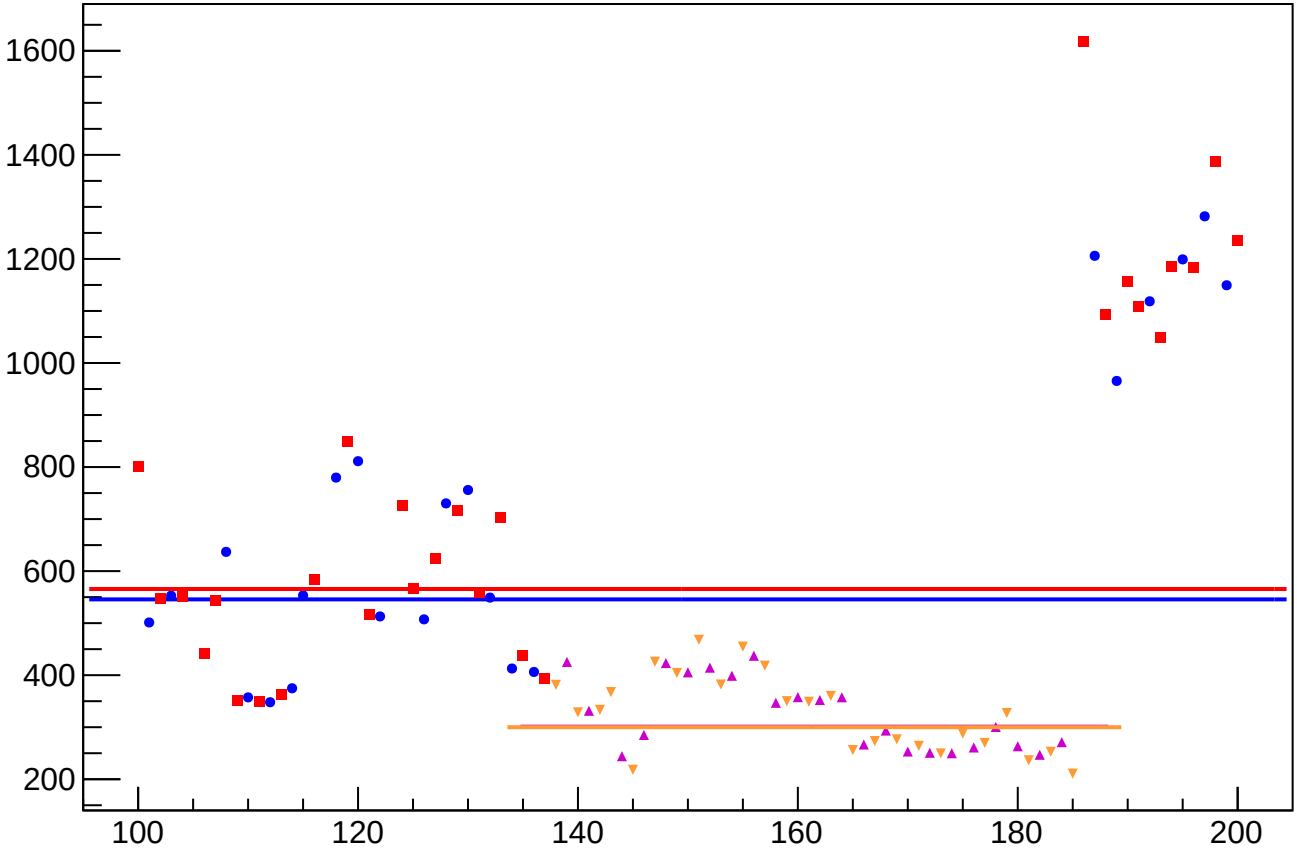
Right: -64.245+/-122.207 χ^2/NDF: 61.9/49

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 104.799+/-64.806 χ^2/NDF:83.4/52

All: 74.692+/-46.449 χ^2/NDF: 148.3/97

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

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

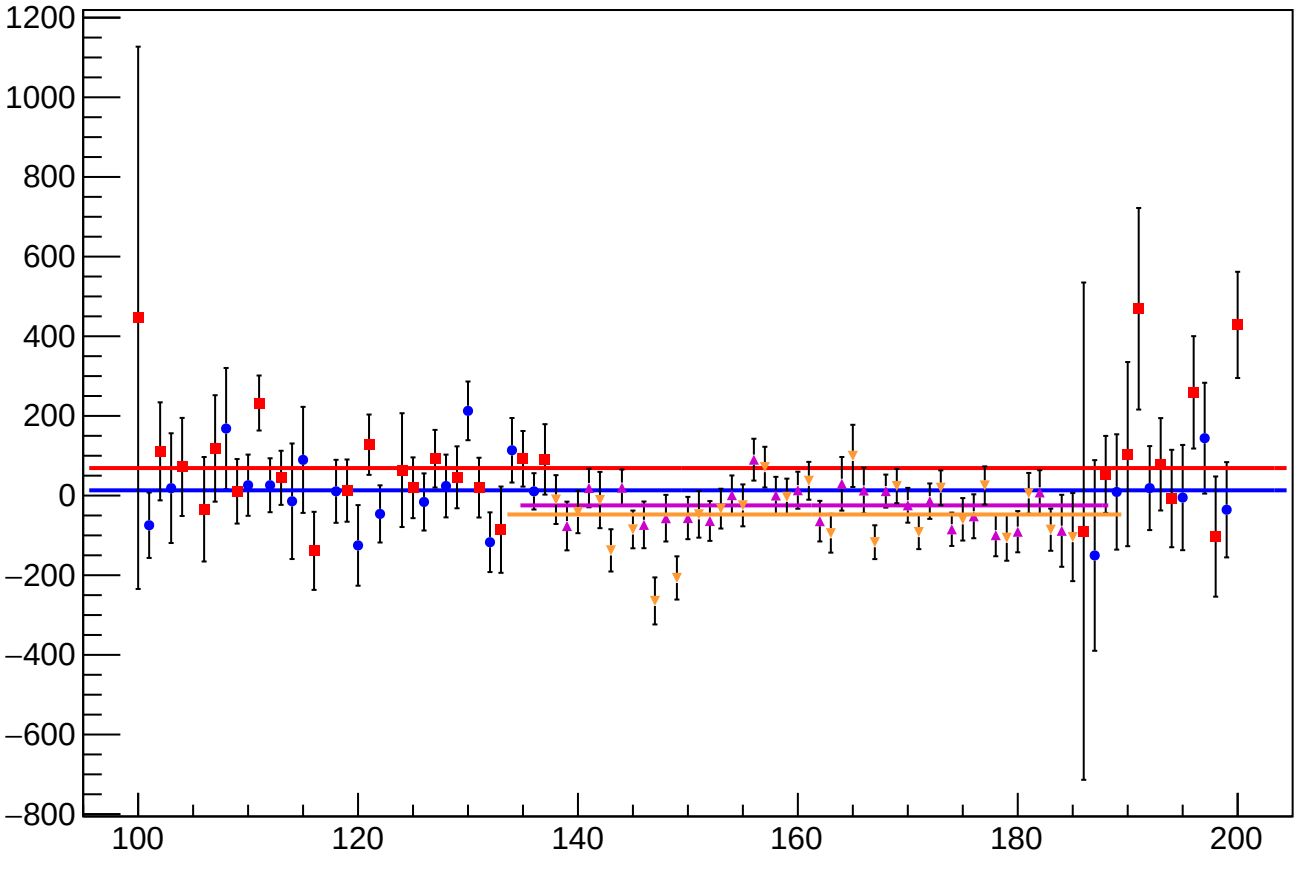
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 555.969+/-0.086 χ^2/NDF: 8532472.6/49

In: 336.168+/-0.047 χ^2/NDF:8314378.0/44

Out: 338.535+/-0.046 χ^2/NDF:10911621.5/52

All: 337.384+/-0.033 χ^2/NDF: 19227296.4/97



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

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

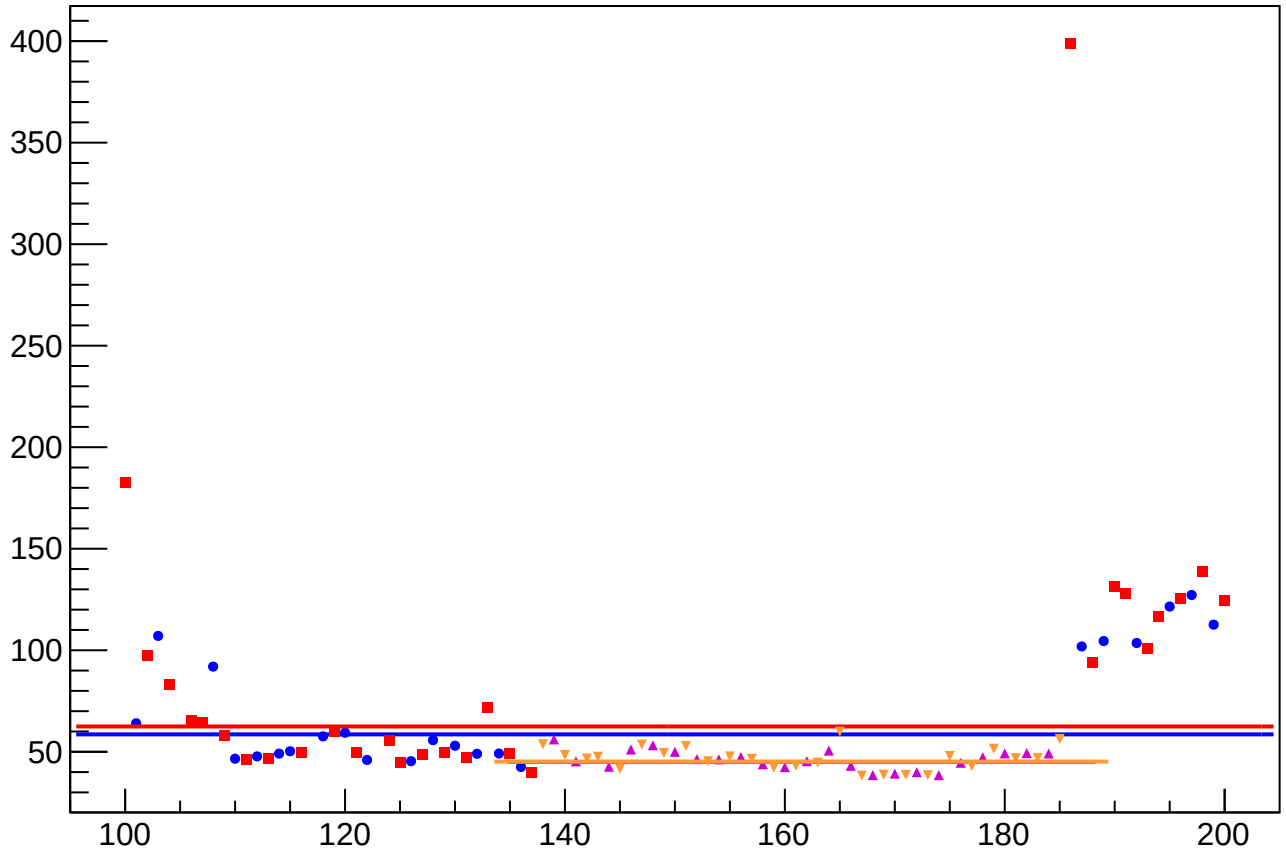
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.143+/-13.188 χ^2/NDF: 53.0/49

In: -15.371+/-9.256 χ^2/NDF:41.6/44

Out: -19.848+/-9.077 χ^2/NDF:114.2/52

All: -17.653+/-6.481 χ^2/NDF: 155.9/97



Right In: 58.569+/-0.013 χ^2/NDF: 2901153.0/21

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

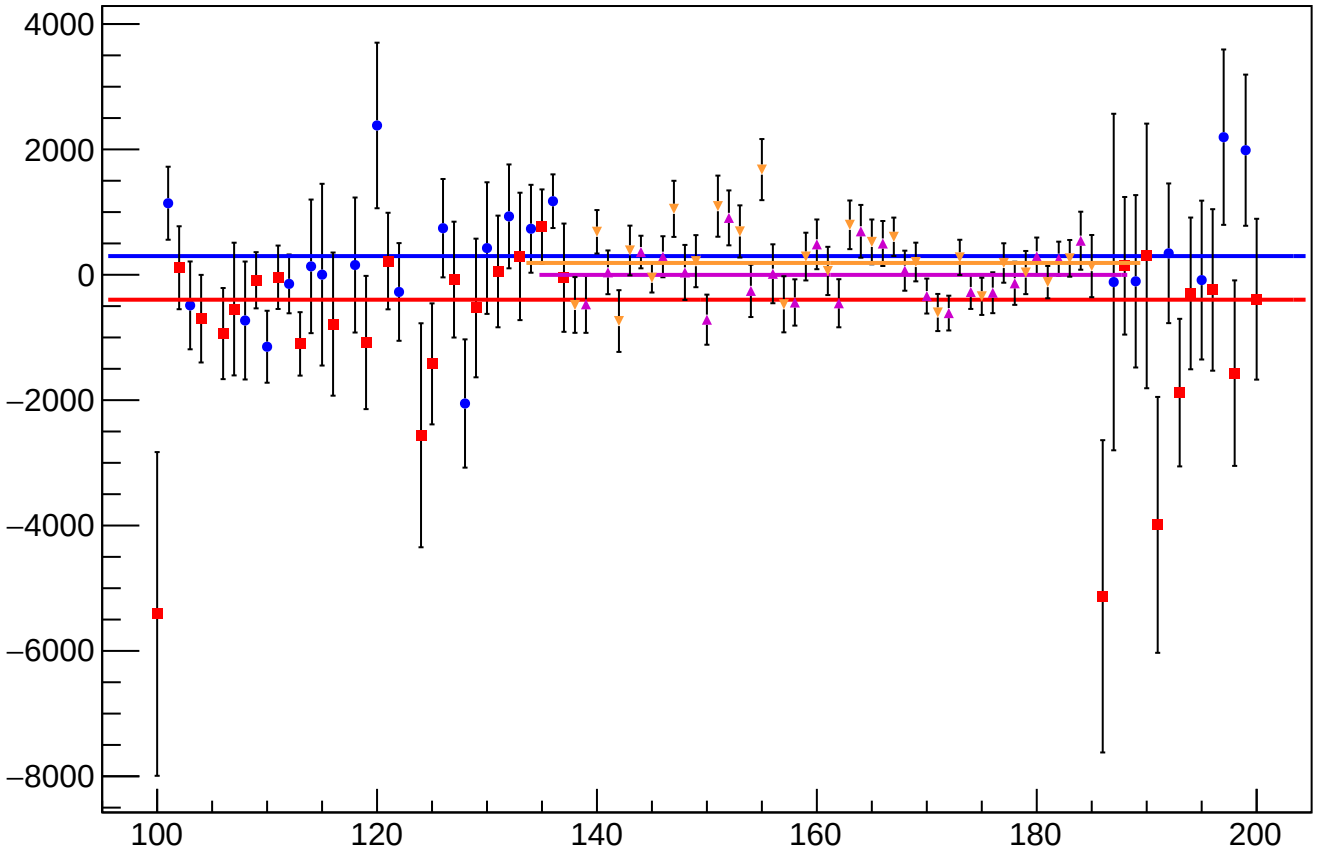
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 60.524+/-0.009 χ^2/NDF: 7153681.7/49

In: 48.352+/-0.007 χ^2/NDF:4069115.7/44

Out: 49.277+/-0.006 χ^2/NDF:6012677.5/52

All: 48.823+/-0.005 χ^2/NDF: 10091979.3/97



Right In: 298.097+/-171.846 χ^2/NDF: 29.7/21

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

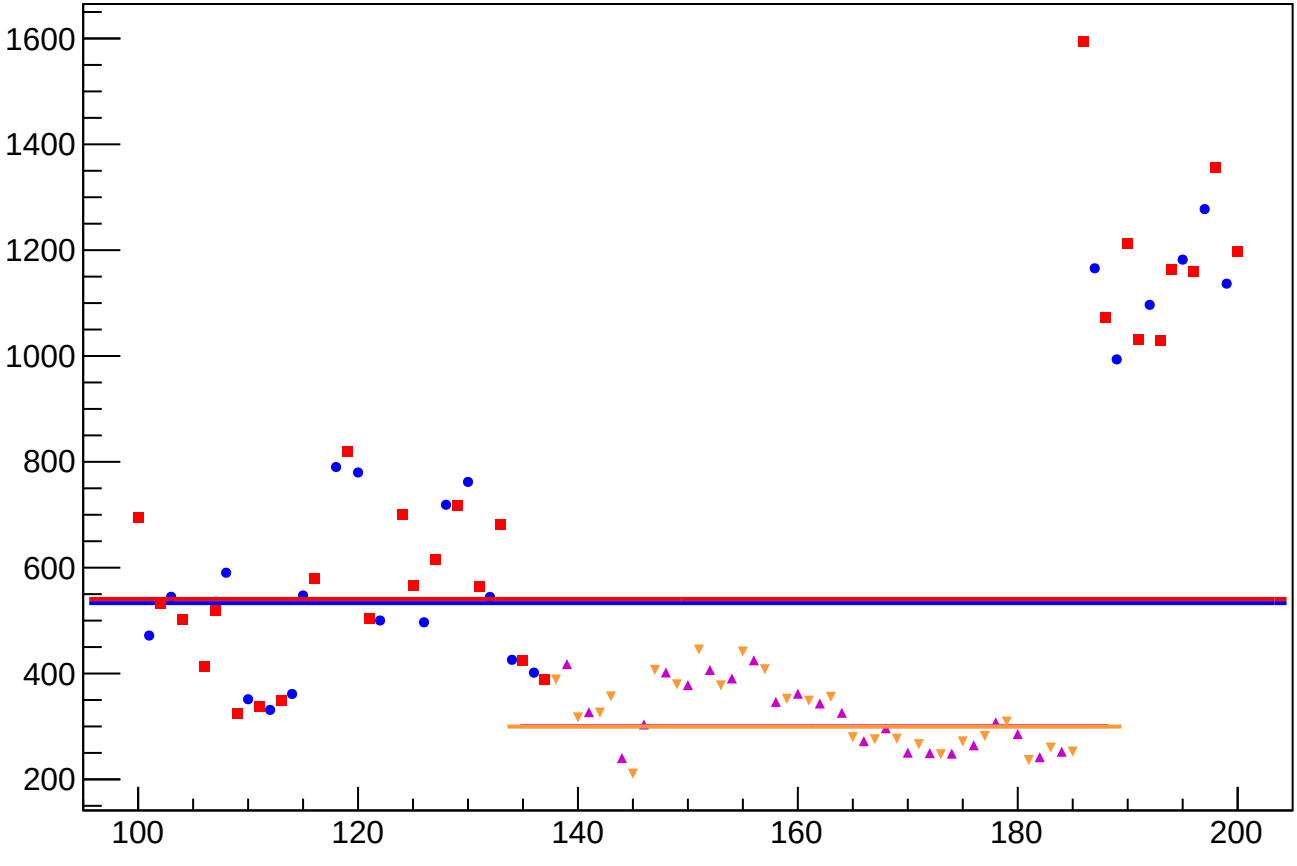
Right: -68.433+/-118.213 χ^2/NDF: 64.3/49

In: 42.803+/-66.181 χ^2/NDF:64.5/44

Out: 98.000+/-64.090 χ^2/NDF:83.7/52

All: 71.288+/-46.040 χ^2/NDF: 148.5/97

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 533.026+/-0.122 χ^2/NDF: 3681252.0/21

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

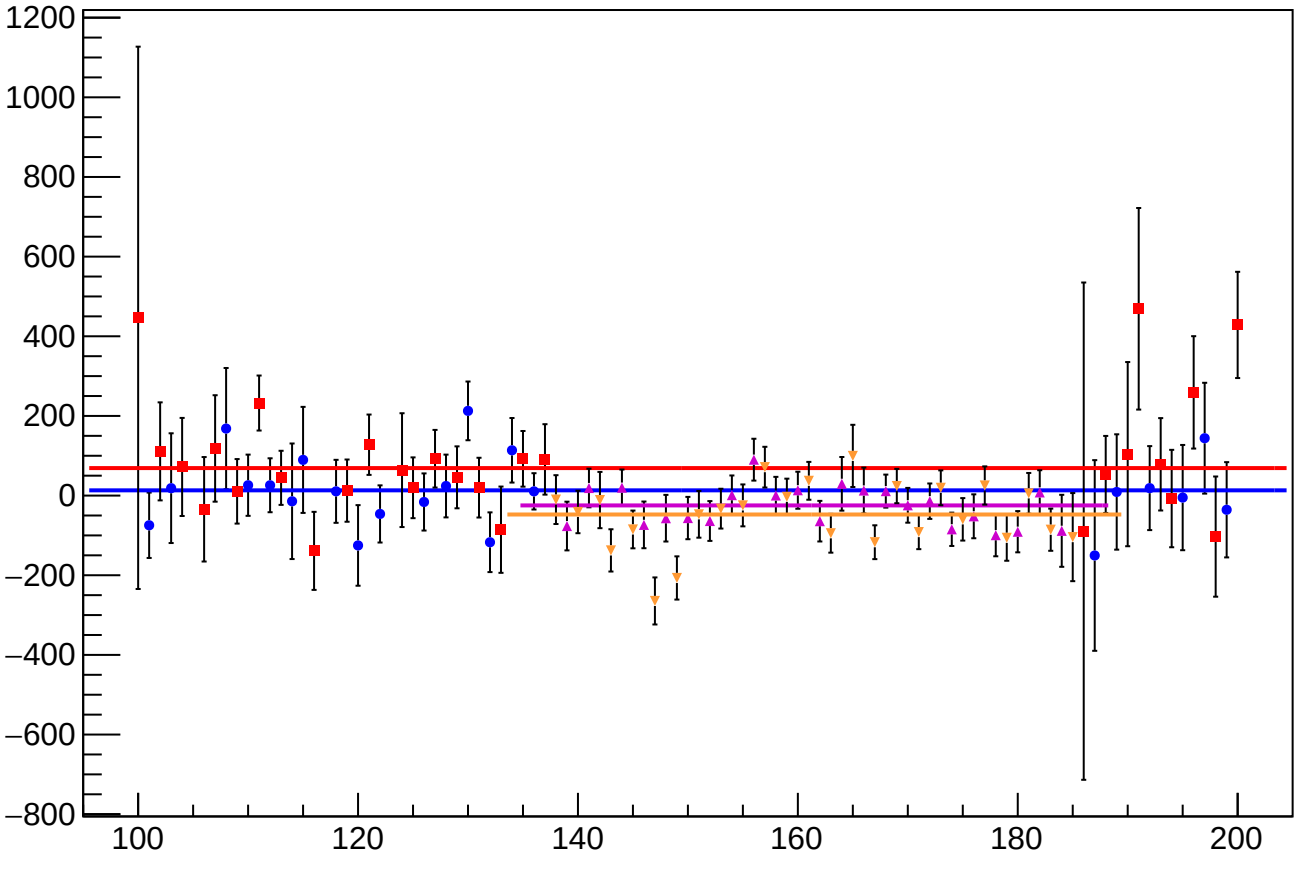
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 537.190+/-0.084 χ^2/NDF: 8850874.5/49

In: 335.025+/-0.047 χ^2/NDF:8058033.8/44

Out: 337.135+/-0.045 χ^2/NDF:10449785.4/52

All: 336.114+/-0.033 χ^2/NDF: 18508868.4/97



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

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

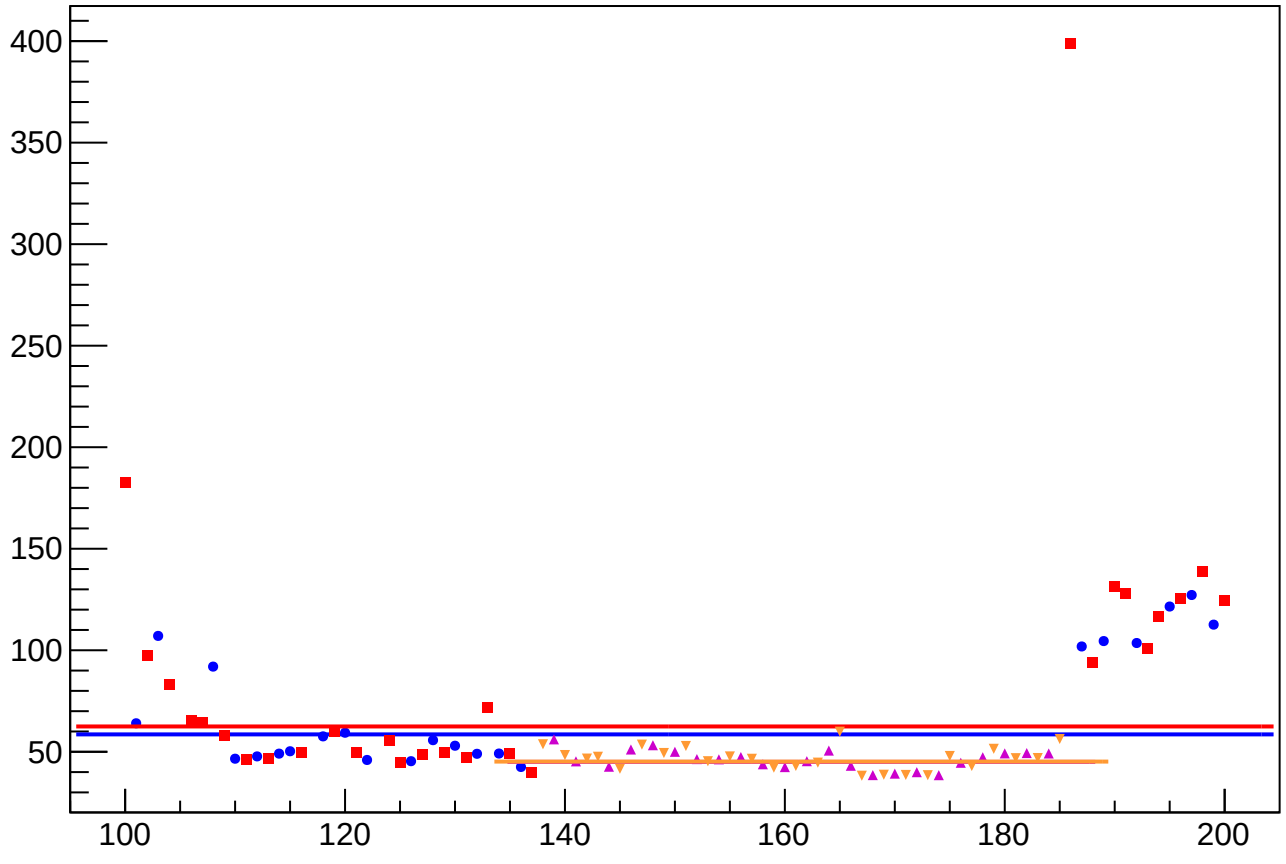
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.144+/-13.188 χ^2/NDF: 53.0/49

In: -15.371+/-9.256 χ^2/NDF:41.6/44

Out: -19.848+/-9.077 χ^2/NDF:114.2/52

All: -17.653+/-6.481 χ^2/NDF: 155.9/97



Right In: 58.569+/-0.013 χ^2/NDF: 2901159.4/21

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

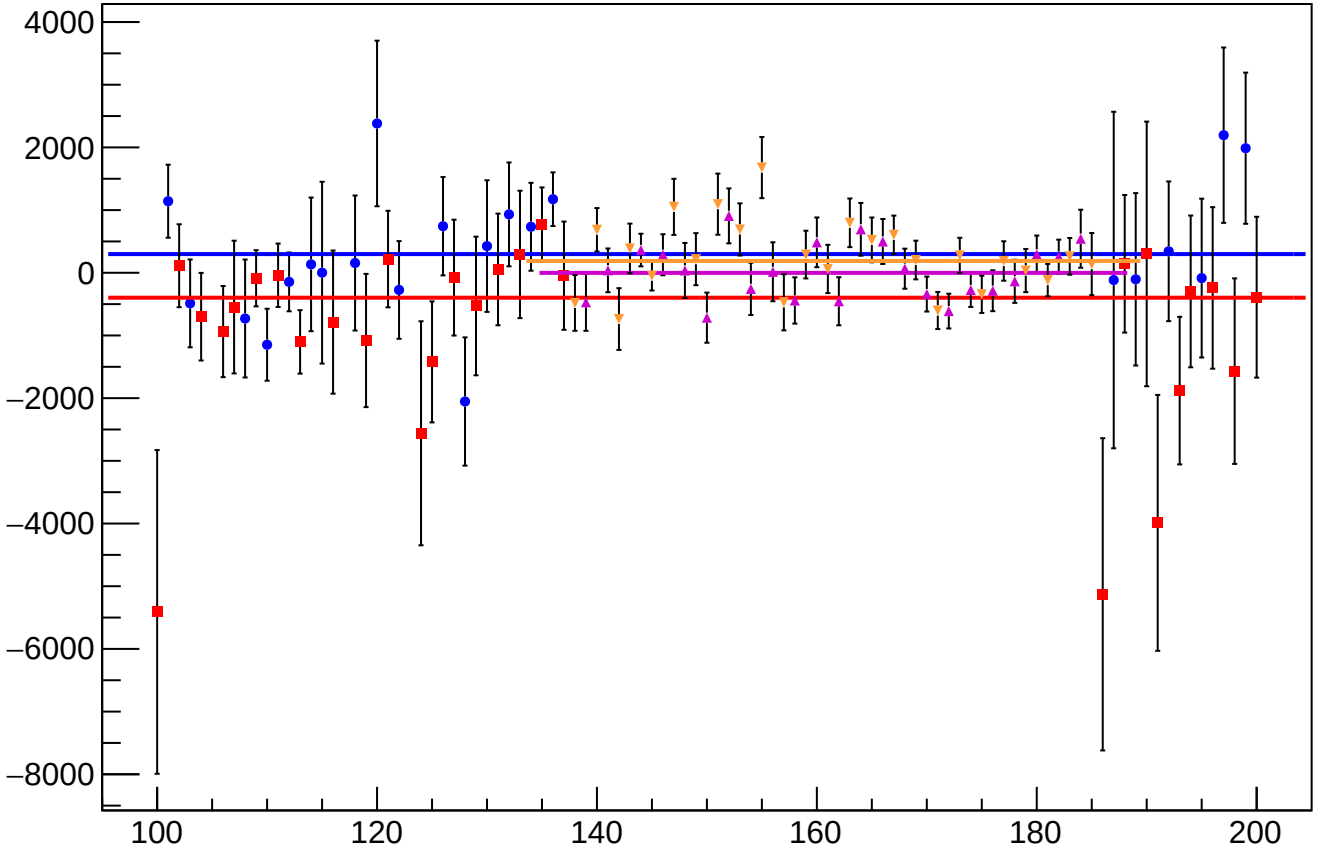
Right: 60.524+/-0.009 χ^2/NDF: 7153692.8/49

In: 48.352+/-0.007 χ^2/NDF:4069120.7/44

Out: 49.277+/-0.006 χ^2/NDF:6012689.3/52

All: 48.823+/-0.005 χ^2/NDF: 10091995.6/97

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 298.096+/-171.846 χ^2/NDF: 29.7/21

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

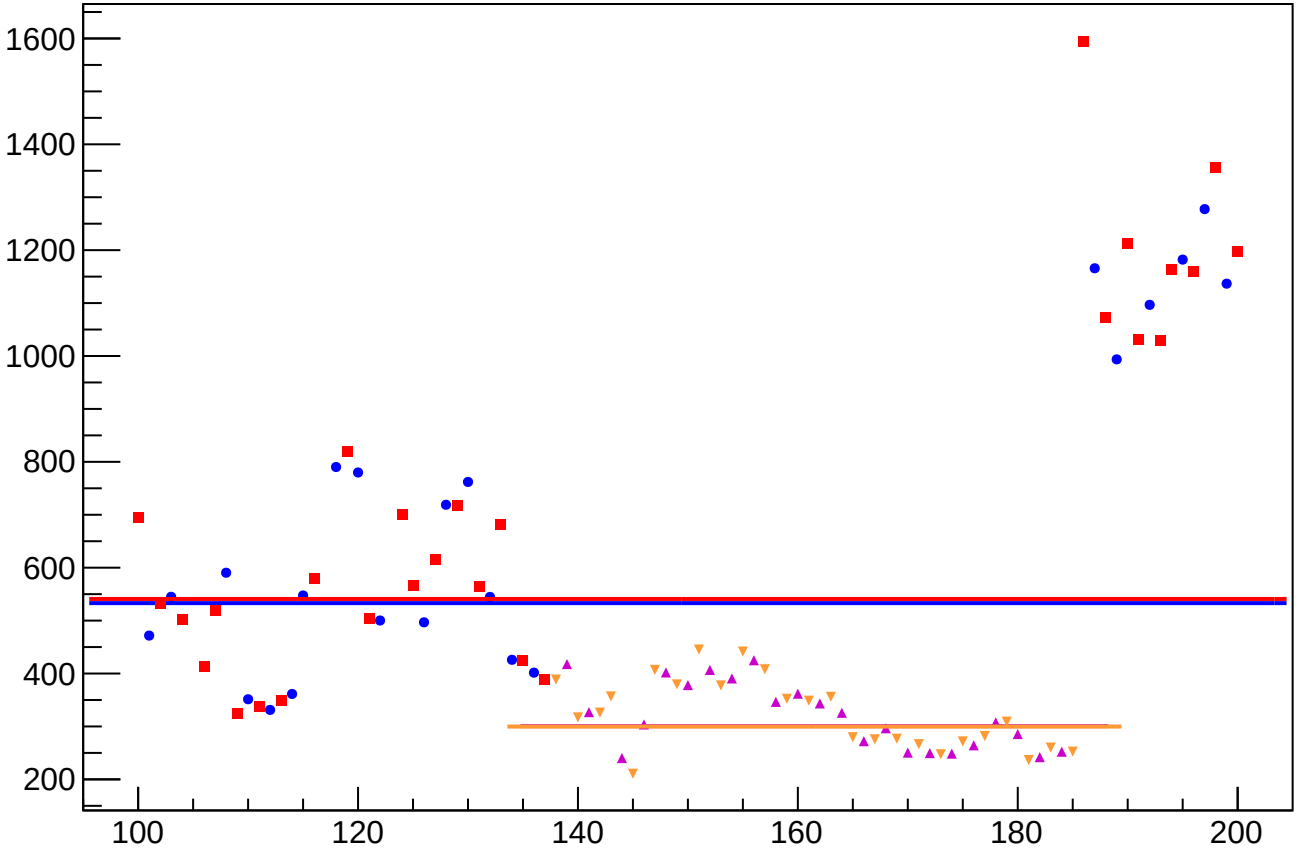
Right: -68.433+/-118.213 χ^2/NDF: 64.3/49

In: 42.804+/-66.181 χ^2/NDF:64.5/44

Out: 98.000+/-64.090 χ^2/NDF:83.7/52

All: 71.288+/-46.040 χ^2/NDF: 148.5/97

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 533.025+/-0.122 χ^2/NDF: 3681258.7/21

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

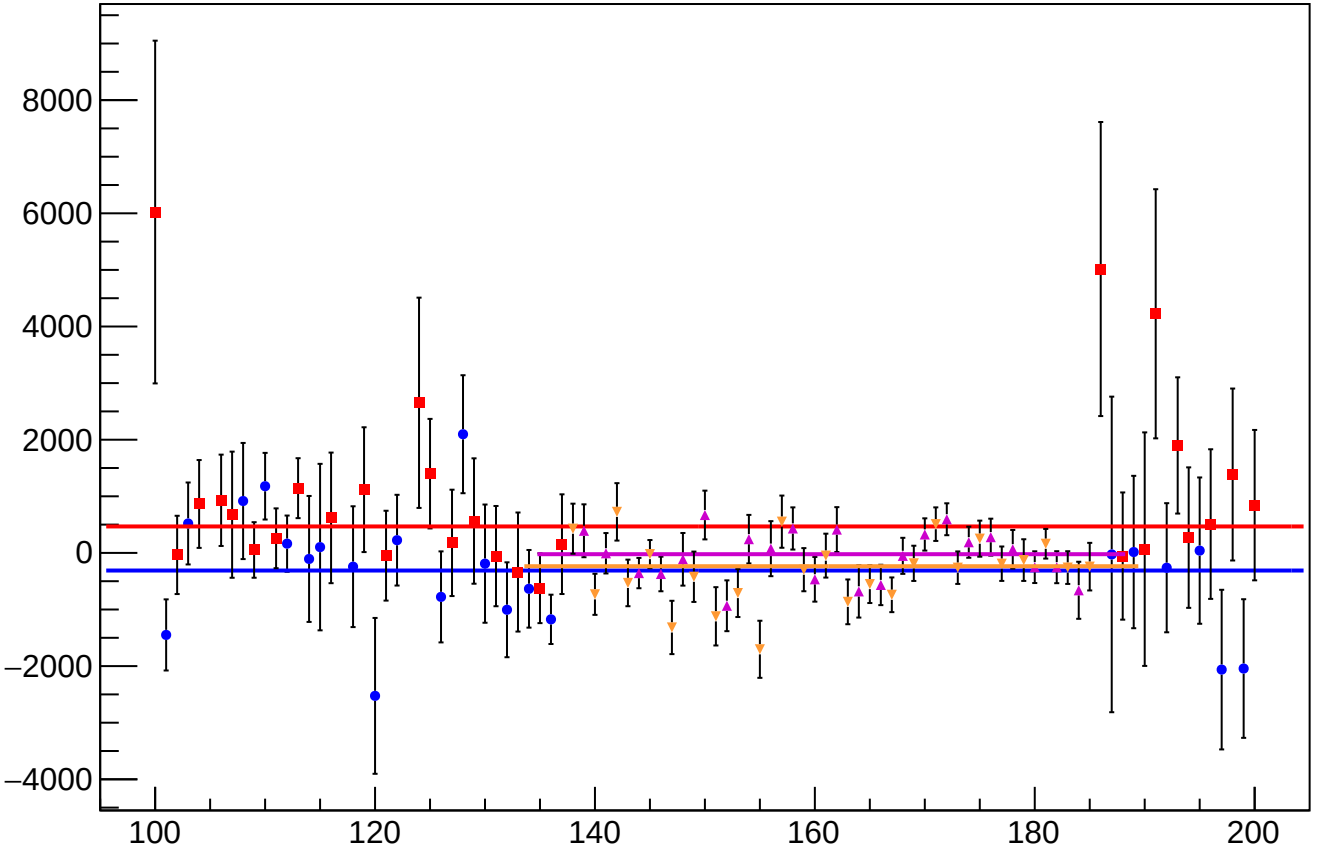
Right: 537.189+/-0.084 χ^2/NDF: 8850885.3/49

In: 335.025+/-0.047 χ^2/NDF:8058006.6/44

Out: 337.135+/-0.045 χ^2/NDF:10449765.1/52

All: 336.114+/-0.033 χ^2/NDF: 18508820.7/97

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -311.316+/-176.833 χ^2/NDF: 30.7/21

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

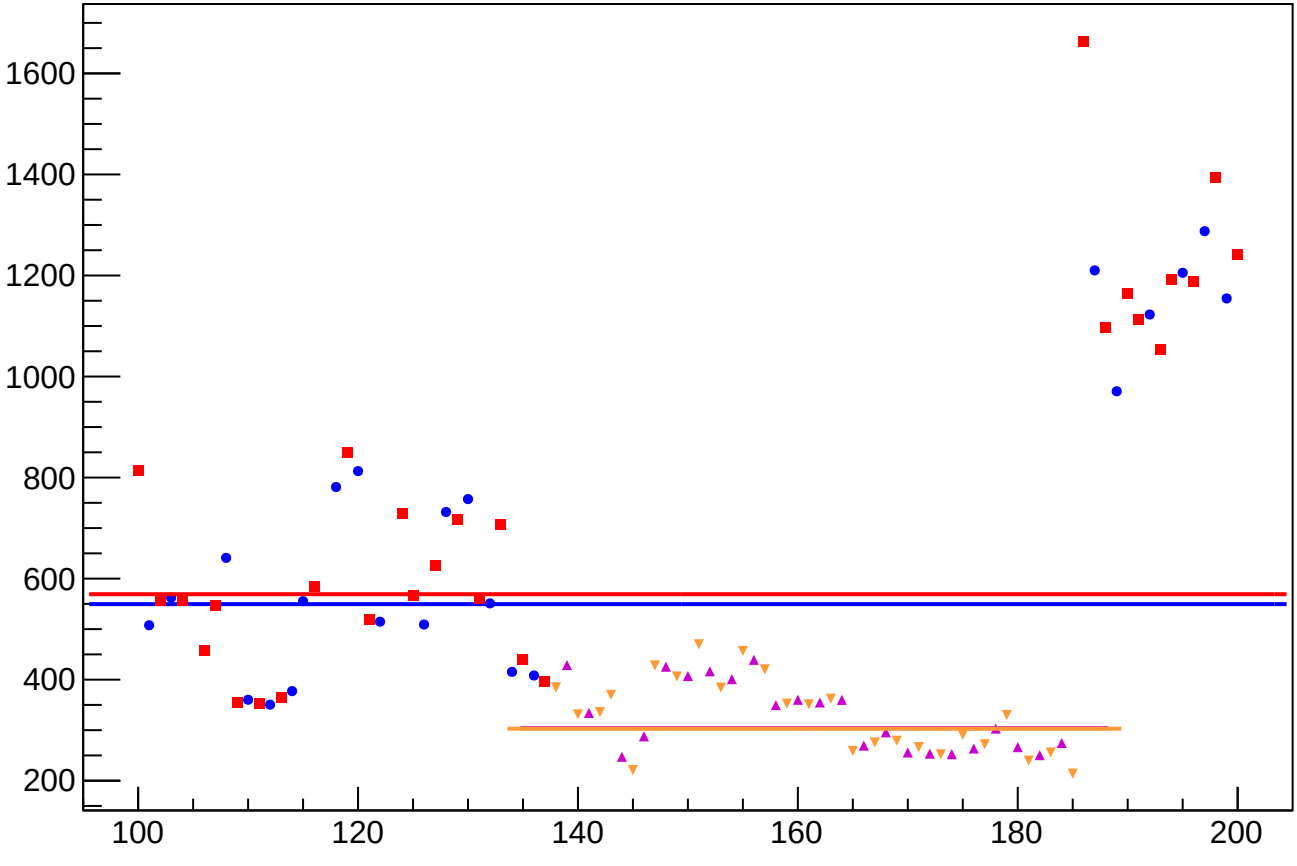
Right: 92.068+/-122.773 χ^2/NDF: 63.3/49

In: -64.340+/-67.194 χ^2/NDF:62.8/44

Out: -132.069+/-65.345 χ^2/NDF:84.5/52

All: -99.149+/-46.846 χ^2/NDF: 147.8/97

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 549.461+/-0.125 χ^2/NDF: 3569447.3/21

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

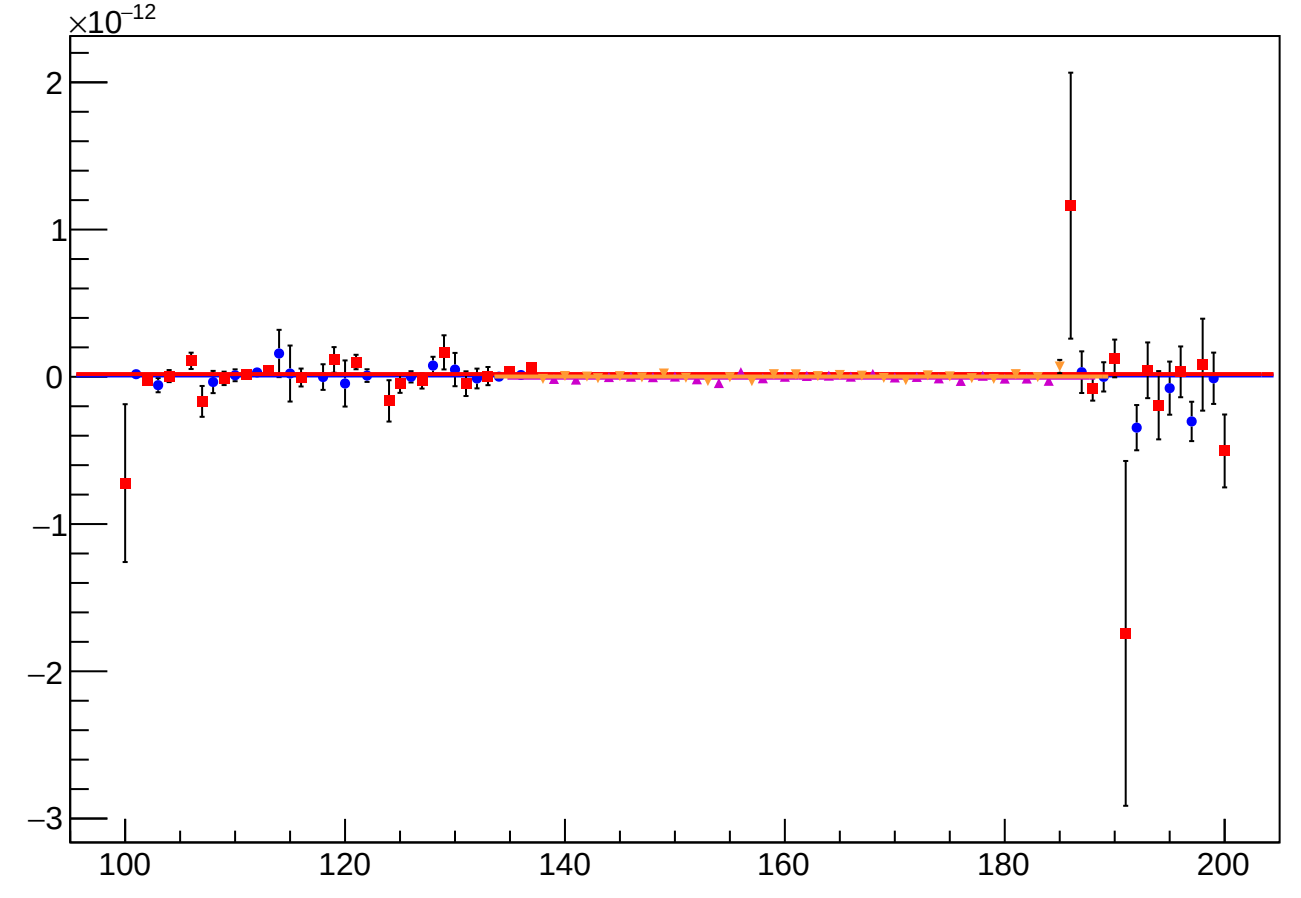
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 559.654+/-0.087 χ^2/NDF: 8500078.5/49

In: 339.375+/-0.048 χ^2/NDF:8244974.3/44

Out: 342.003+/-0.046 χ^2/NDF:10839302.7/52

All: 340.726+/-0.033 χ^2/NDF: 19085849.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

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

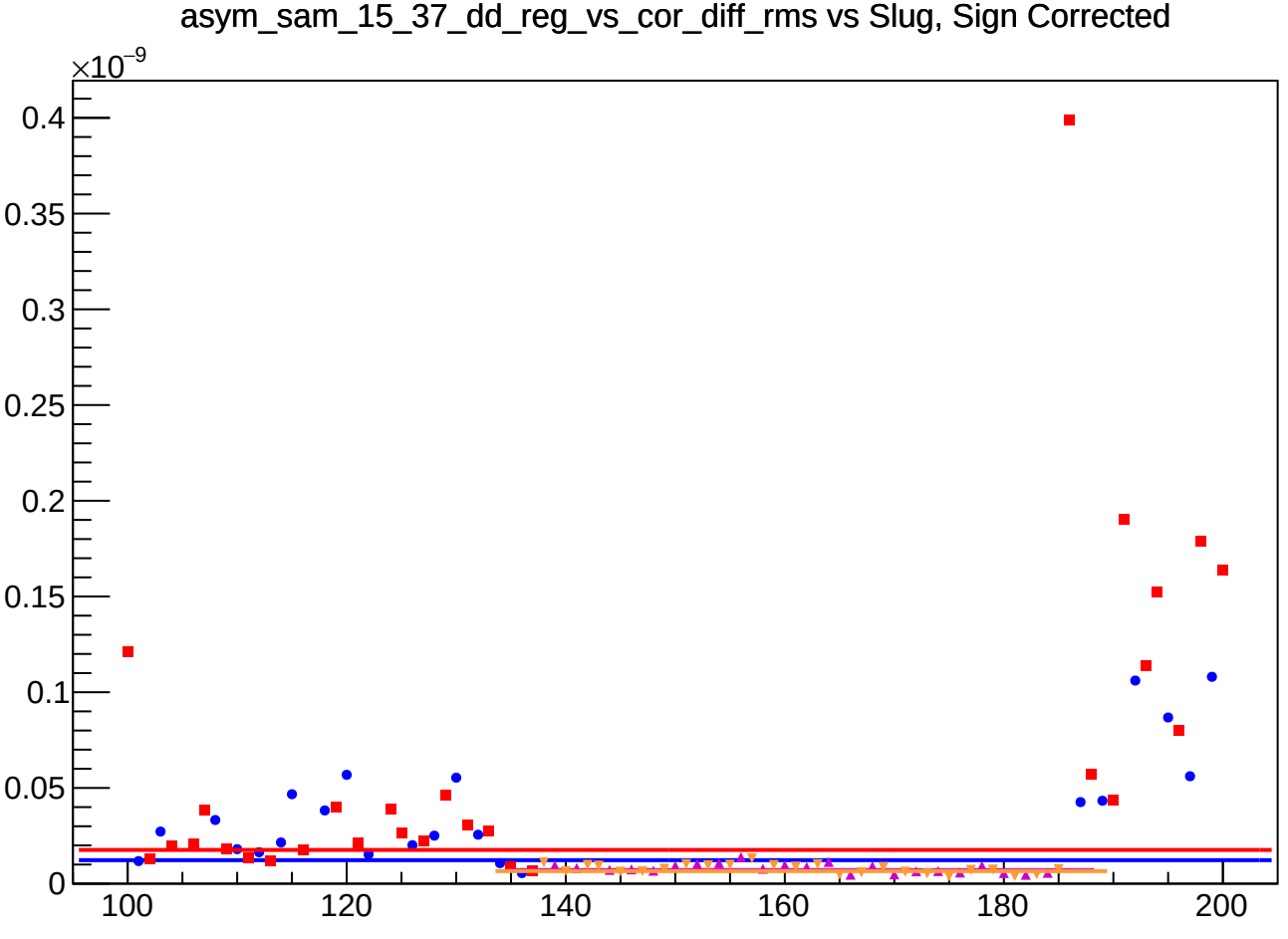
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 52.1/49

In: -0.000+/-0.000 χ^2/NDF:38.0/44

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: -0.000+/-0.000 χ^2/NDF: 102.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 4330649.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4878289.8/27

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

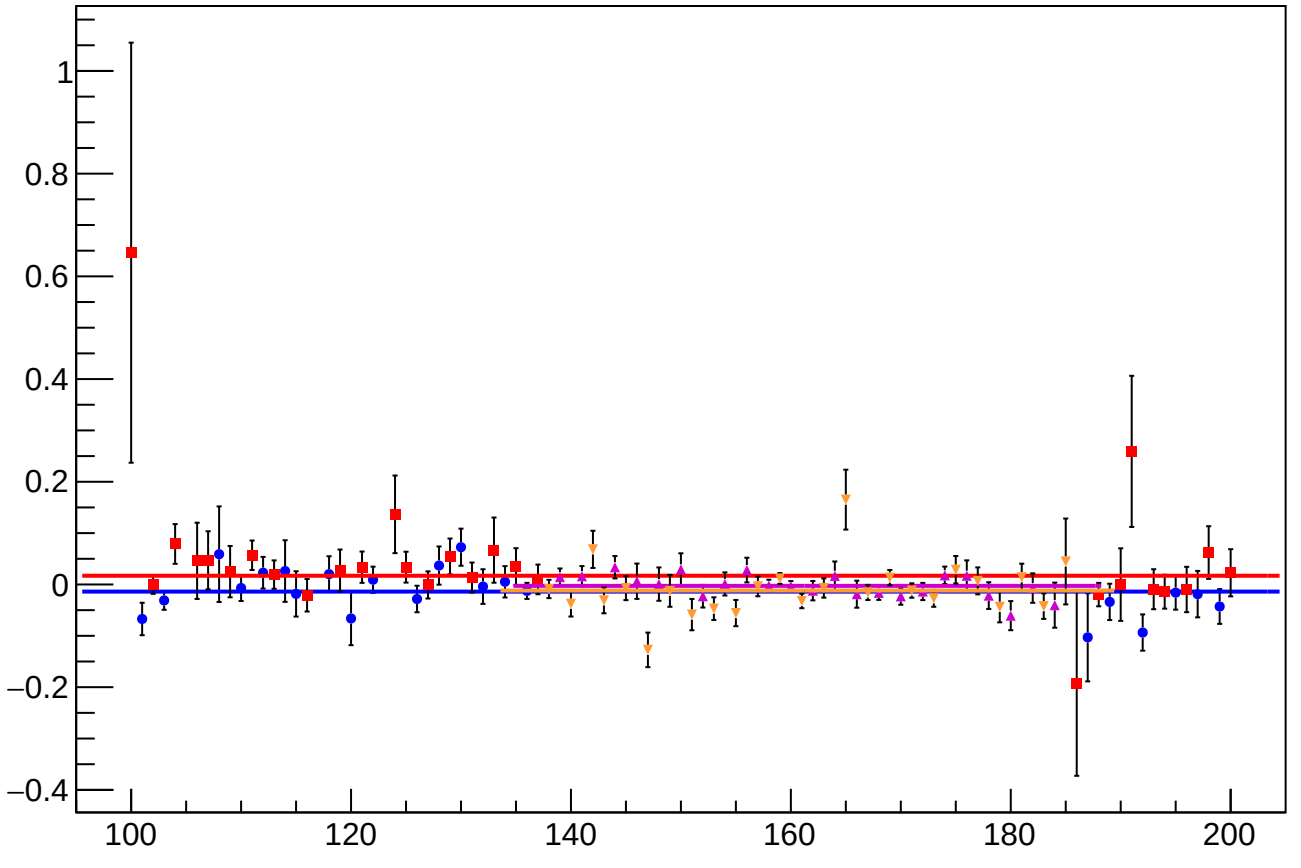
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9555635.8/49

In: 0.000+/-0.000 χ^2/NDF:6073746.3/44

Out: 0.000+/-0.000 χ^2/NDF:8601611.5/52

All: 0.000+/-0.000 χ^2/NDF: 14700052.7/97



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

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

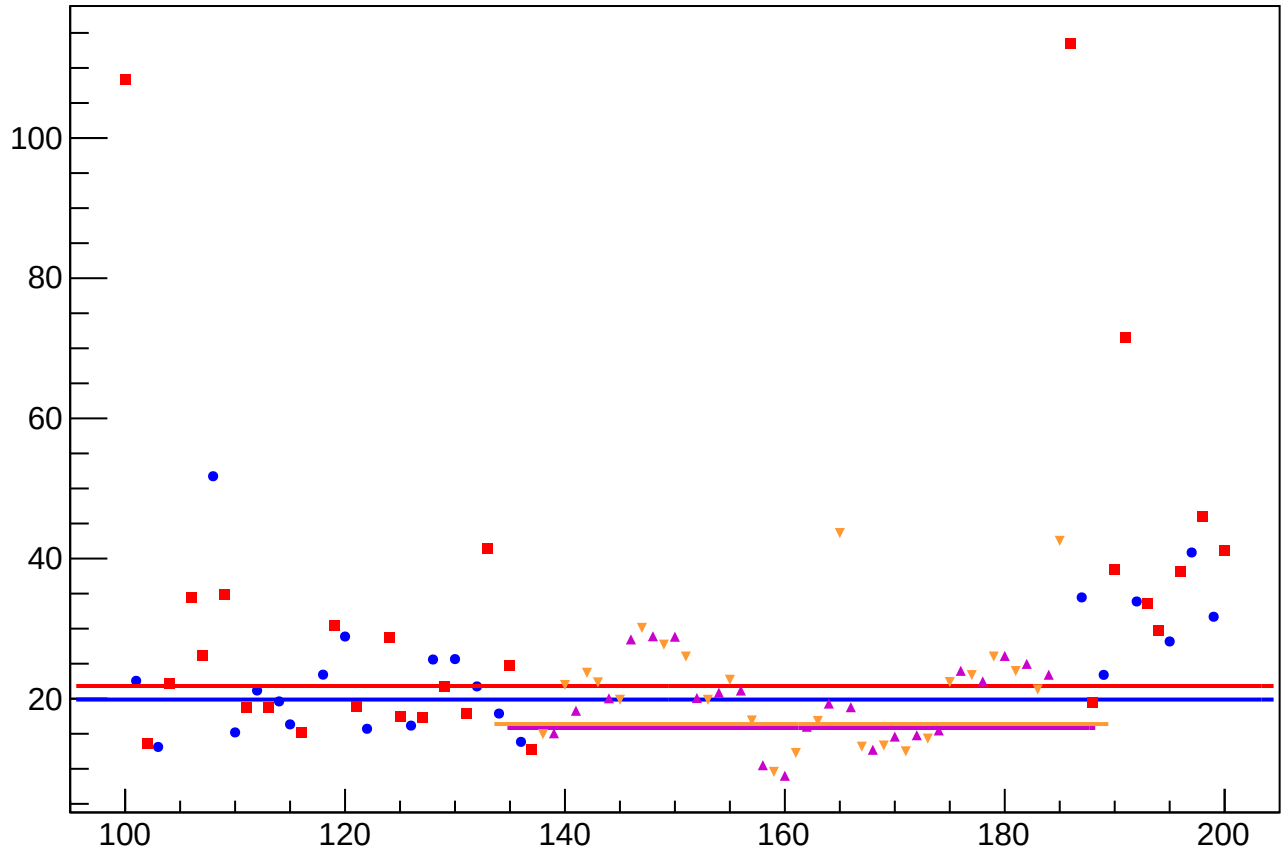
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.001+/-0.005 χ^2/NDF: 60.1/49

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 138.0/97



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

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

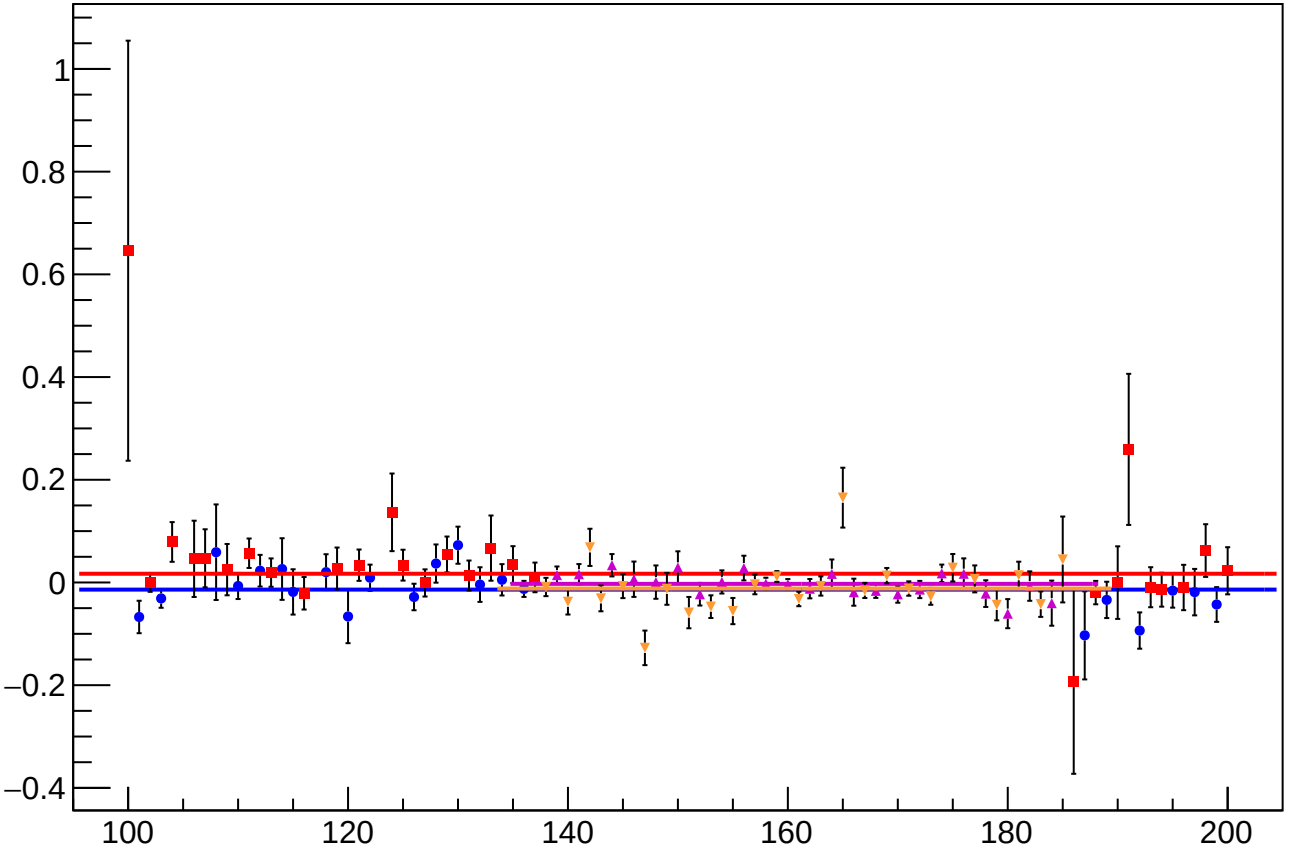
Right: 20.817+/-0.003 χ^2/NDF: 6223439.0/49

In: 16.942+/-0.002 χ^2/NDF:6597308.5/44

Out: 17.827+/-0.002 χ^2/NDF:8727292.5/52

All: 17.378+/-0.002 χ^2/NDF: 15389987.9/97

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

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

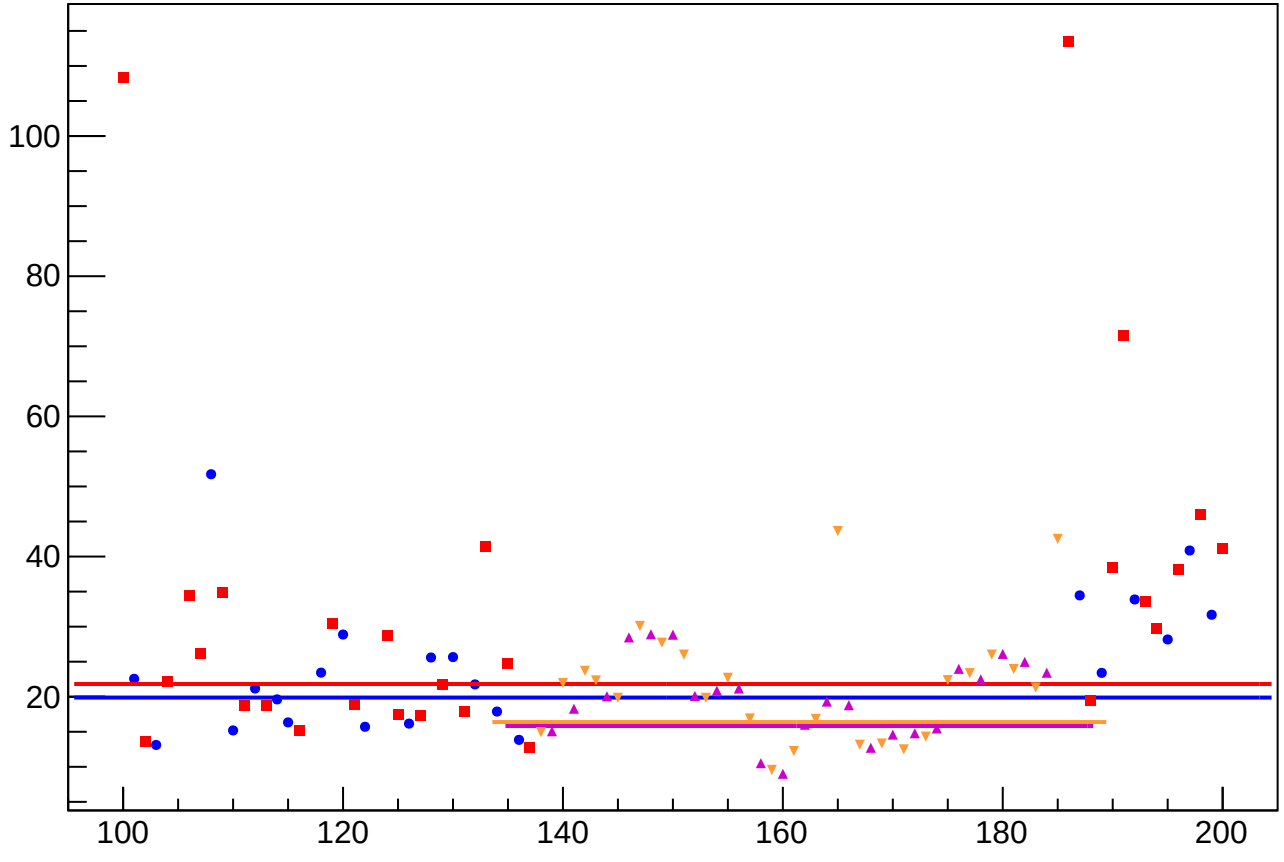
Right: 0.001+/-0.005 χ^2/NDF: 60.1/49

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 138.0/97

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

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

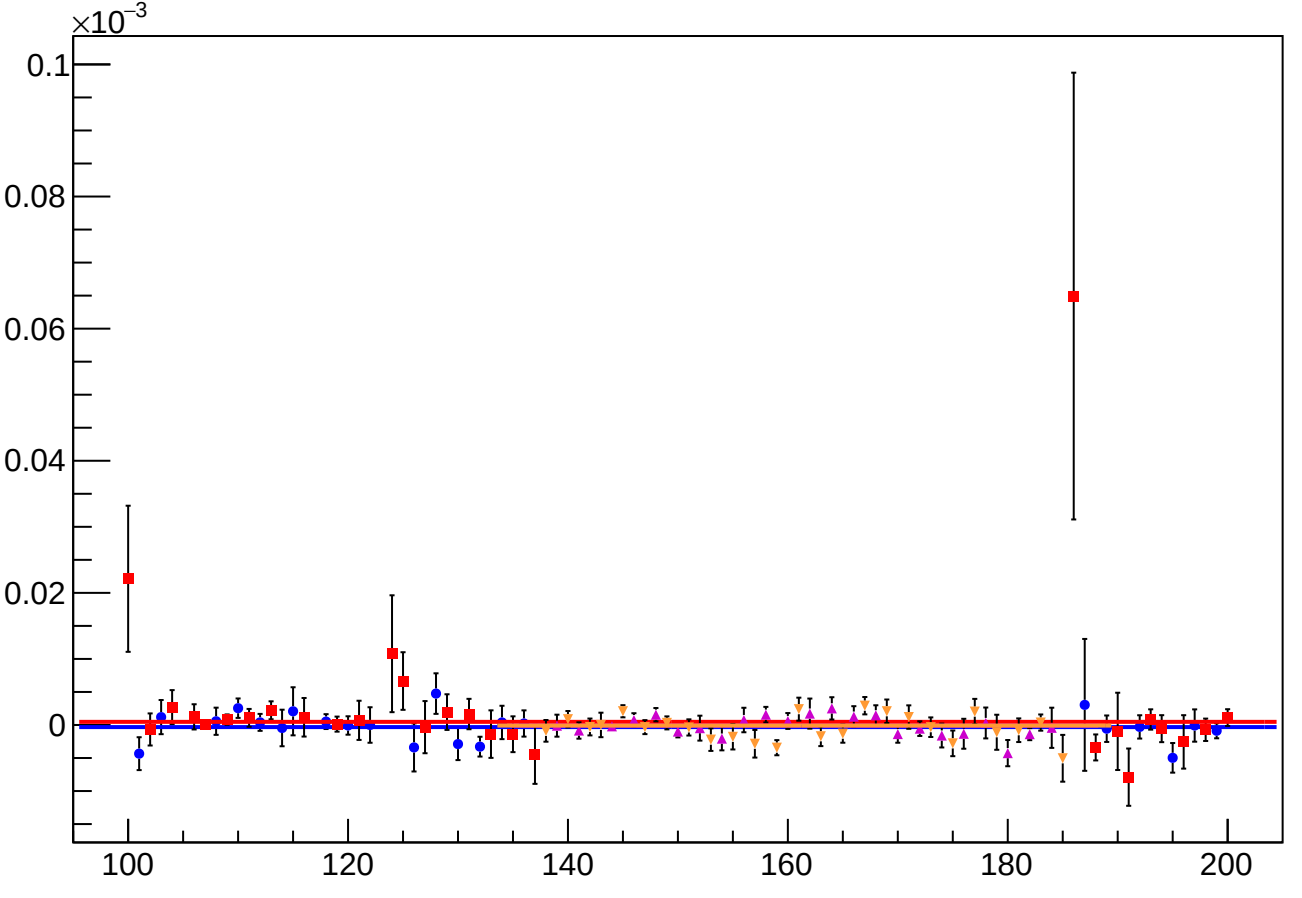
Right: 20.817+/-0.003 χ^2/NDF: 6223439.0/49

In: 16.942+/-0.002 χ^2/NDF:6597308.5/44

Out: 17.827+/-0.002 χ^2/NDF:8727292.5/52

All: 17.378+/-0.002 χ^2/NDF: 15389987.9/97

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

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

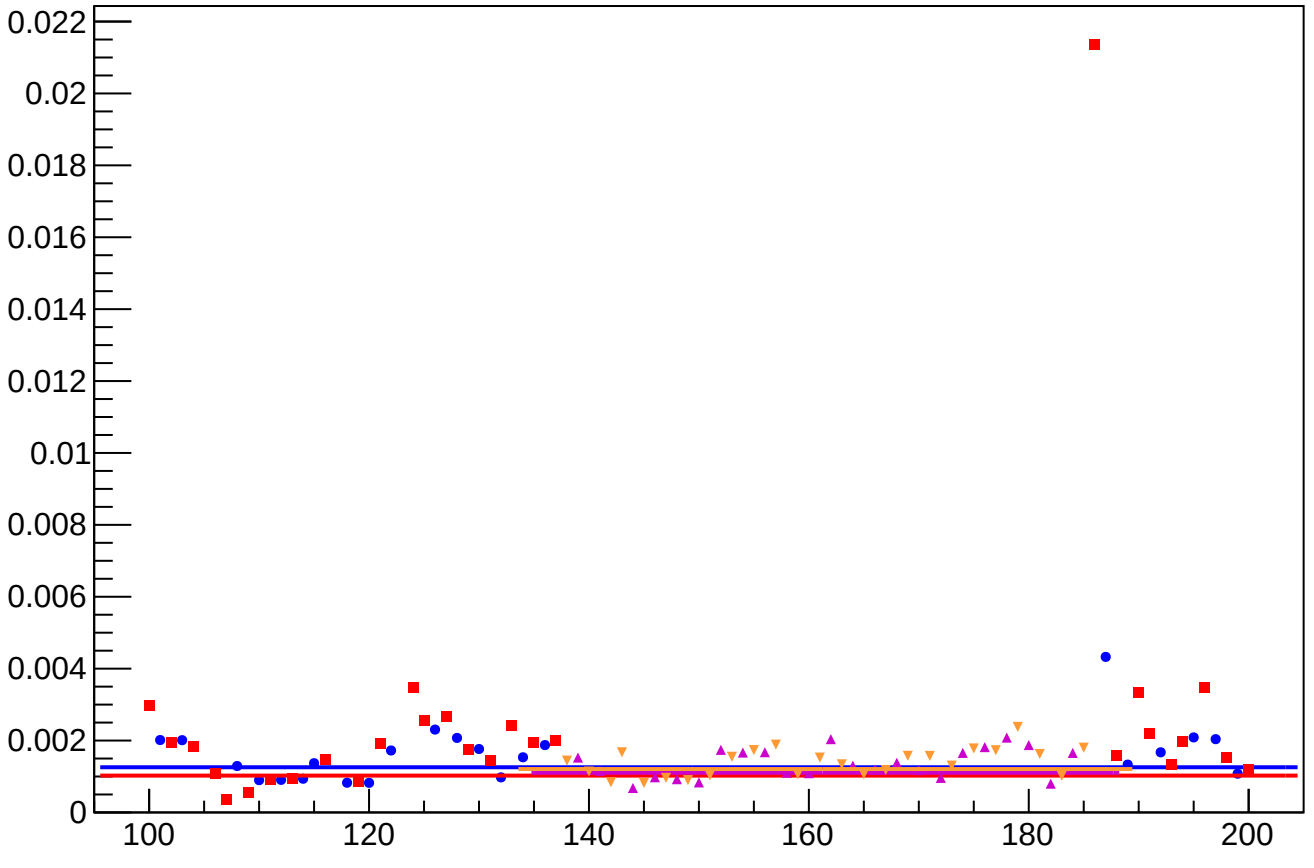
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 50.1/49

In: -0.000+/-0.000 χ^2/NDF:43.7/44

Out: 0.000+/-0.000 χ^2/NDF:64.0/52

All: -0.000+/-0.000 χ^2/NDF: 108.8/97



Right In: 0.001+/-0.000 χ^2/NDF: 2710770.3/21

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

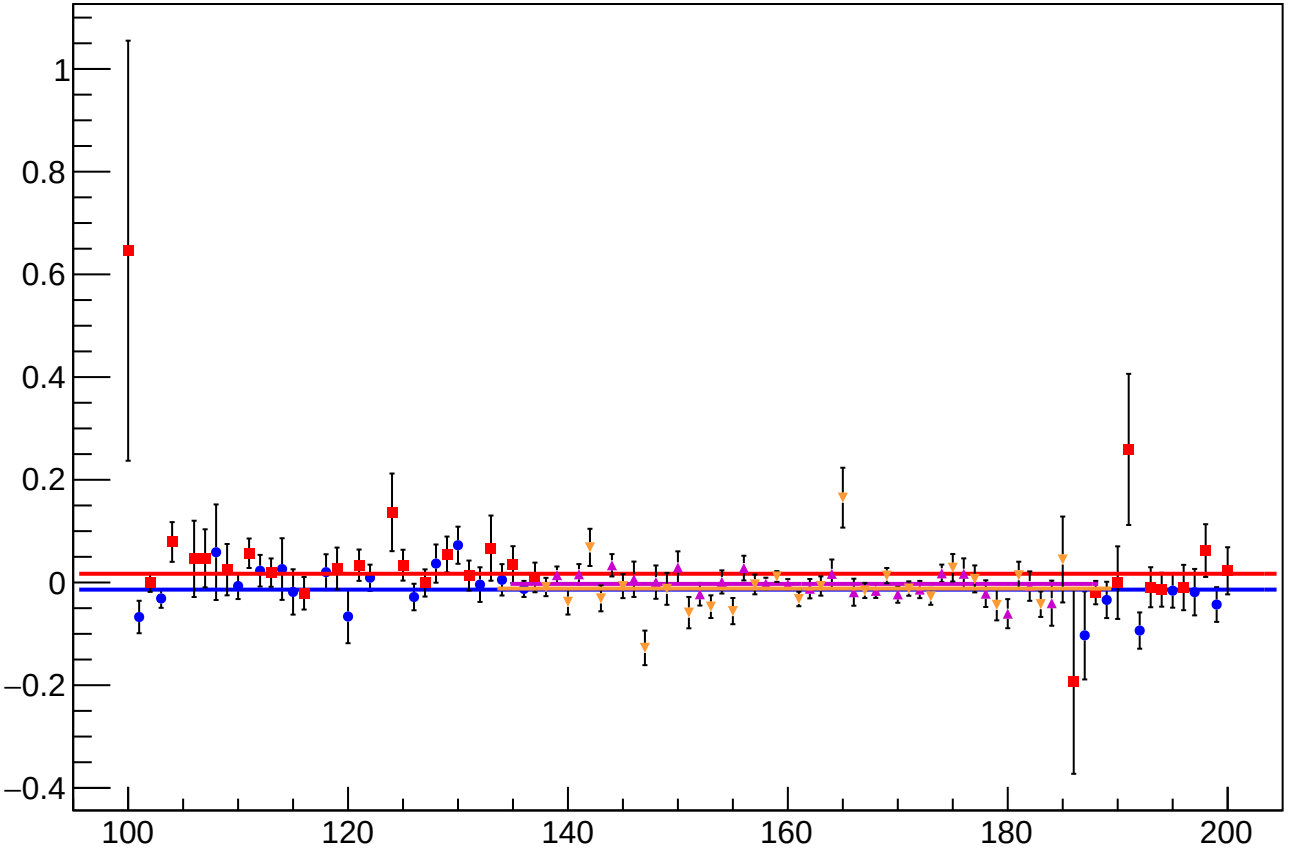
Right: 0.001+/-0.000 χ^2/NDF: 10662883.0/49

In: 0.001+/-0.000 χ^2/NDF:6404650.6/44

Out: 0.001+/-0.000 χ^2/NDF:10620901.9/52

All: 0.001+/-0.000 χ^2/NDF: 17035702.3/97

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

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

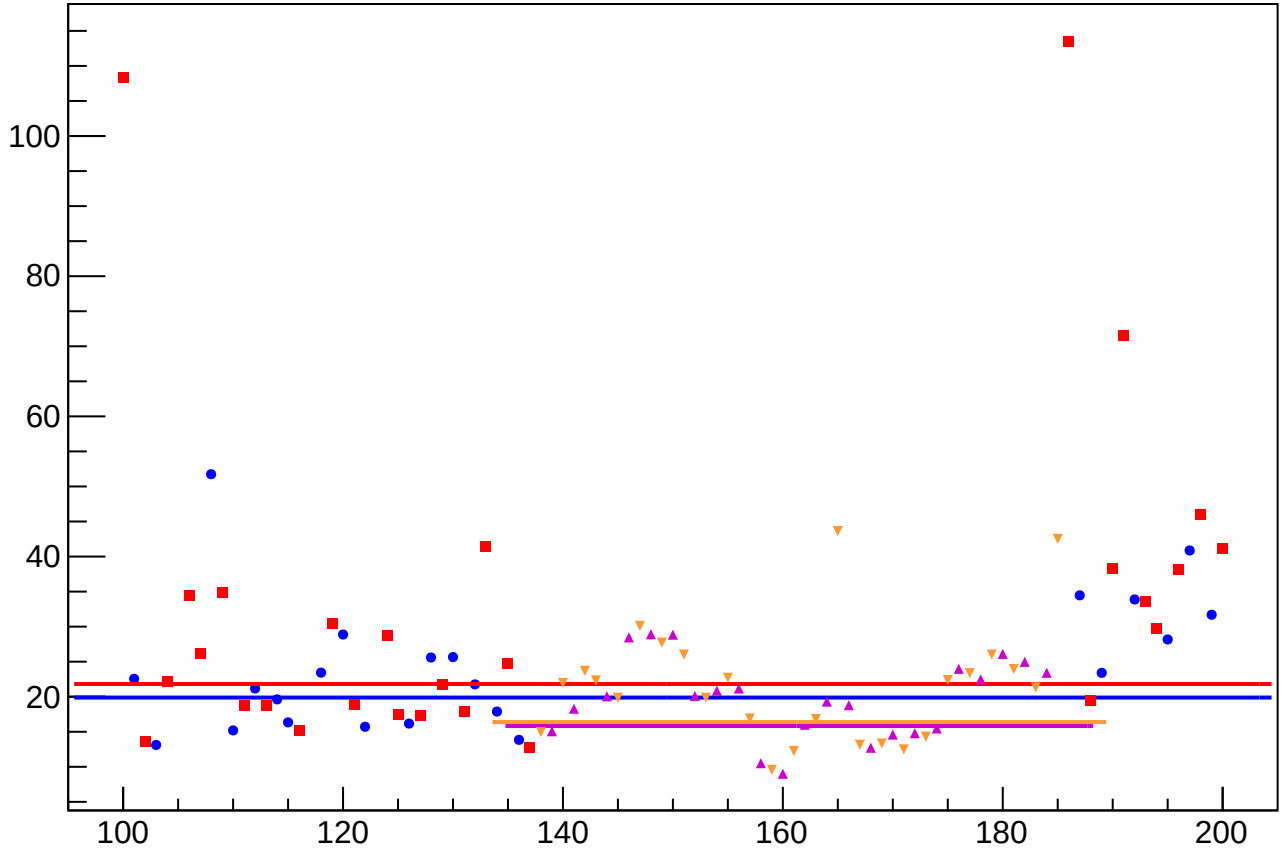
Right: 0.001+/-0.005 χ^2/NDF: 60.1/49

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 138.0/97

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

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

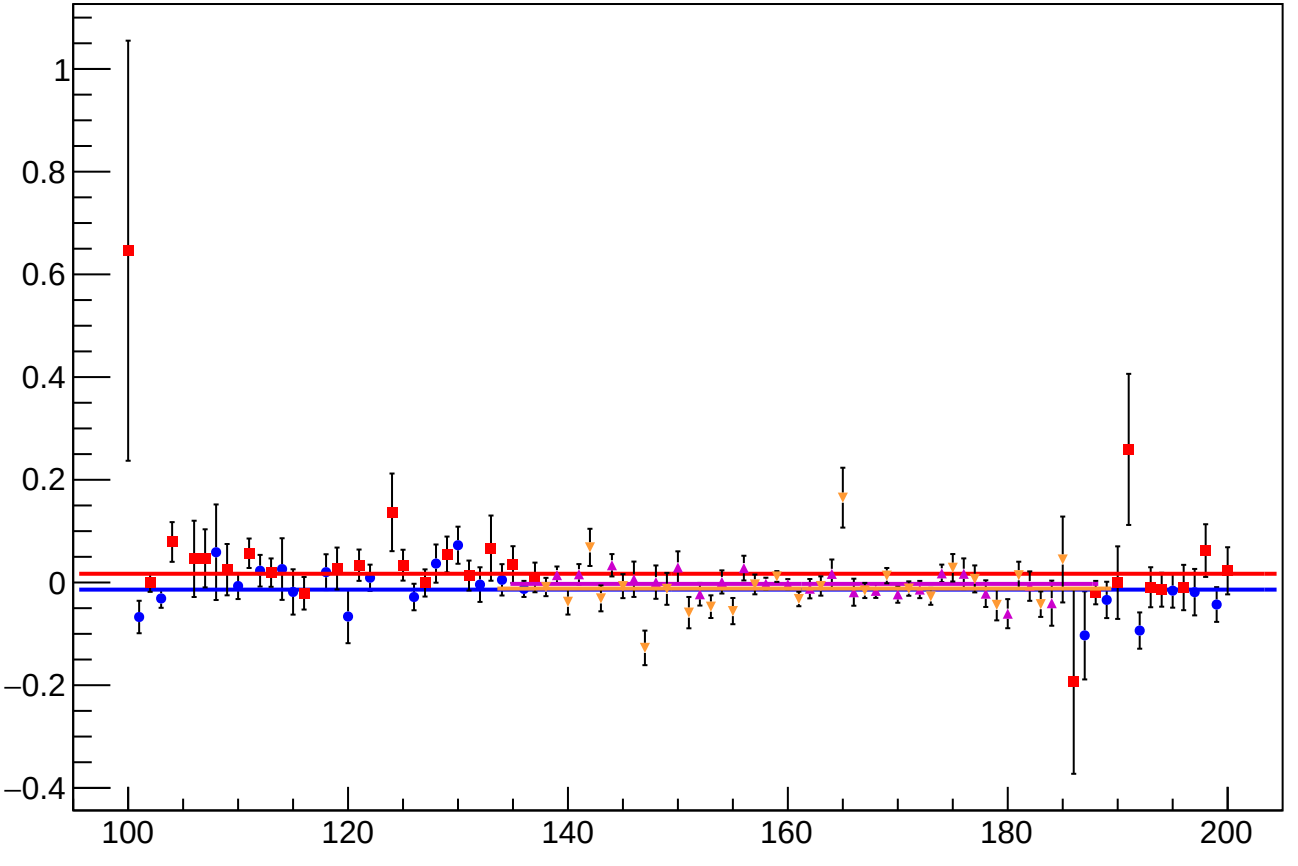
Right: 20.817+/-0.003 χ^2/NDF: 6223234.4/49

In: 16.941+/-0.002 χ^2/NDF:6597771.5/44

Out: 17.827+/-0.002 χ^2/NDF:8727523.0/52

All: 17.378+/-0.002 χ^2/NDF: 15390701.3/97

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

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

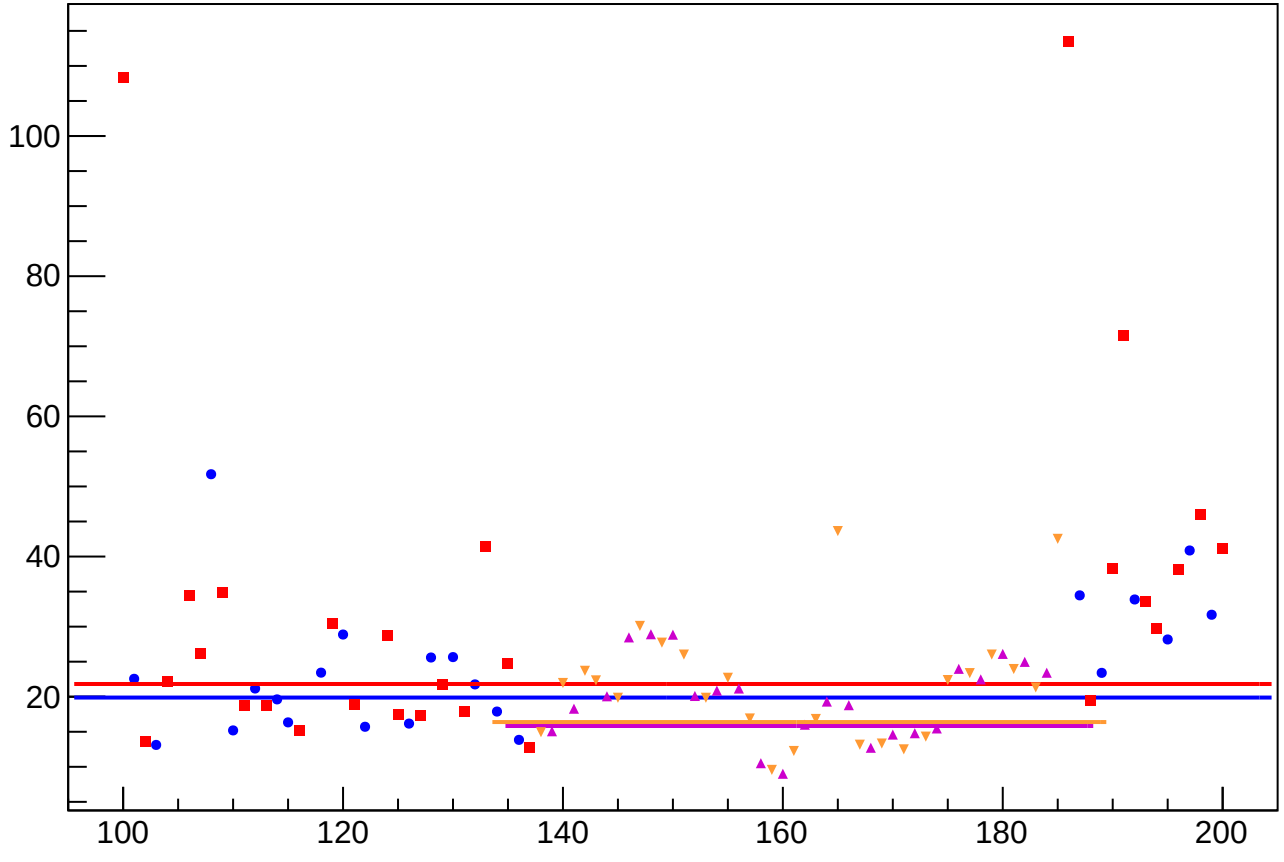
Right: 0.001+/-0.005 χ^2/NDF: 60.1/49

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.3/52

All: -0.005+/-0.002 χ^2/NDF: 138.0/97

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

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

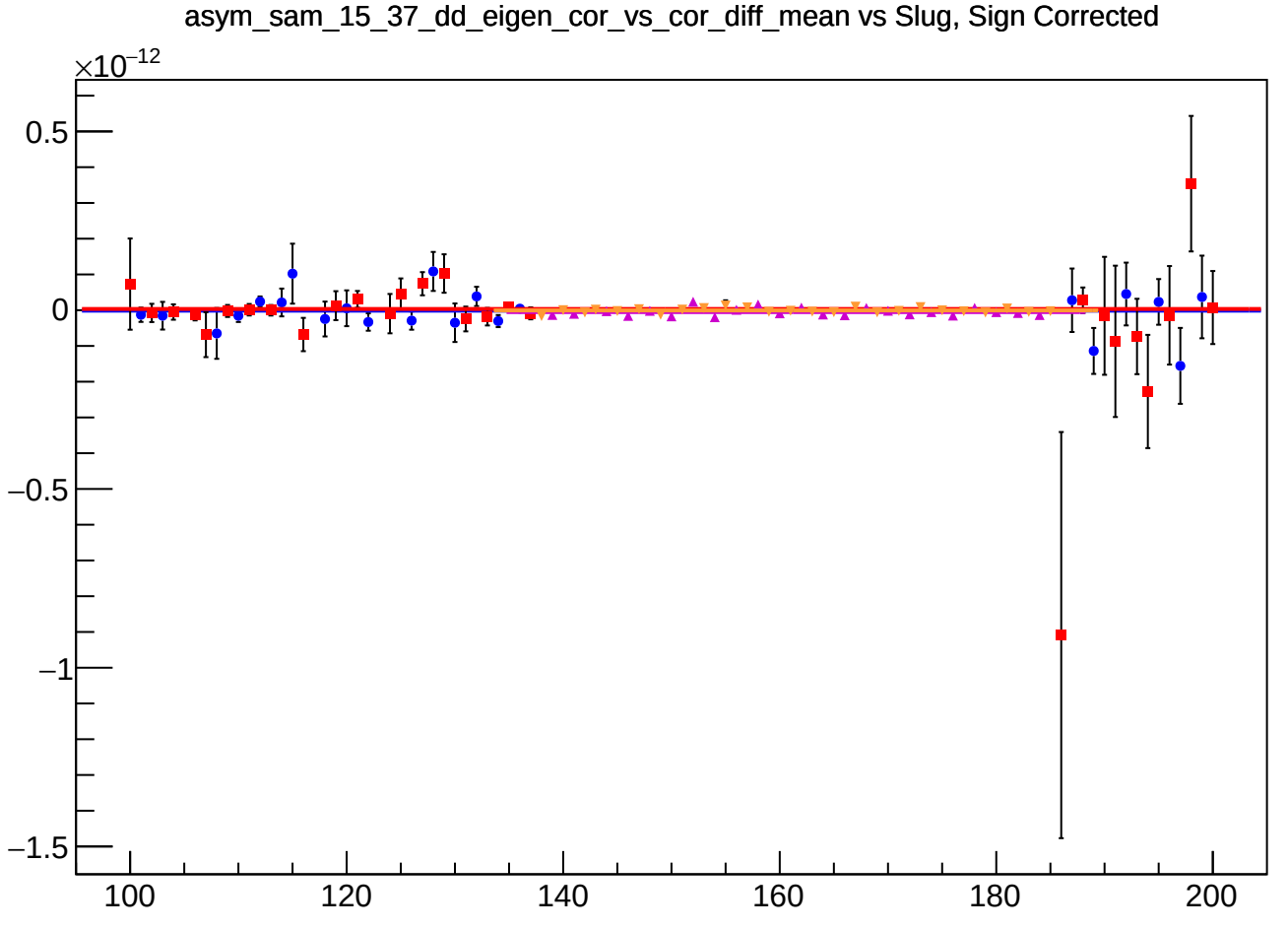
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 20.817+/-0.003 χ^2/NDF: 6223234.4/49

In: 16.941+/-0.002 χ^2/NDF:6597771.5/44

Out: 17.827+/-0.002 χ^2/NDF:8727523.0/52

All: 17.378+/-0.002 χ^2/NDF: 15390701.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/21

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

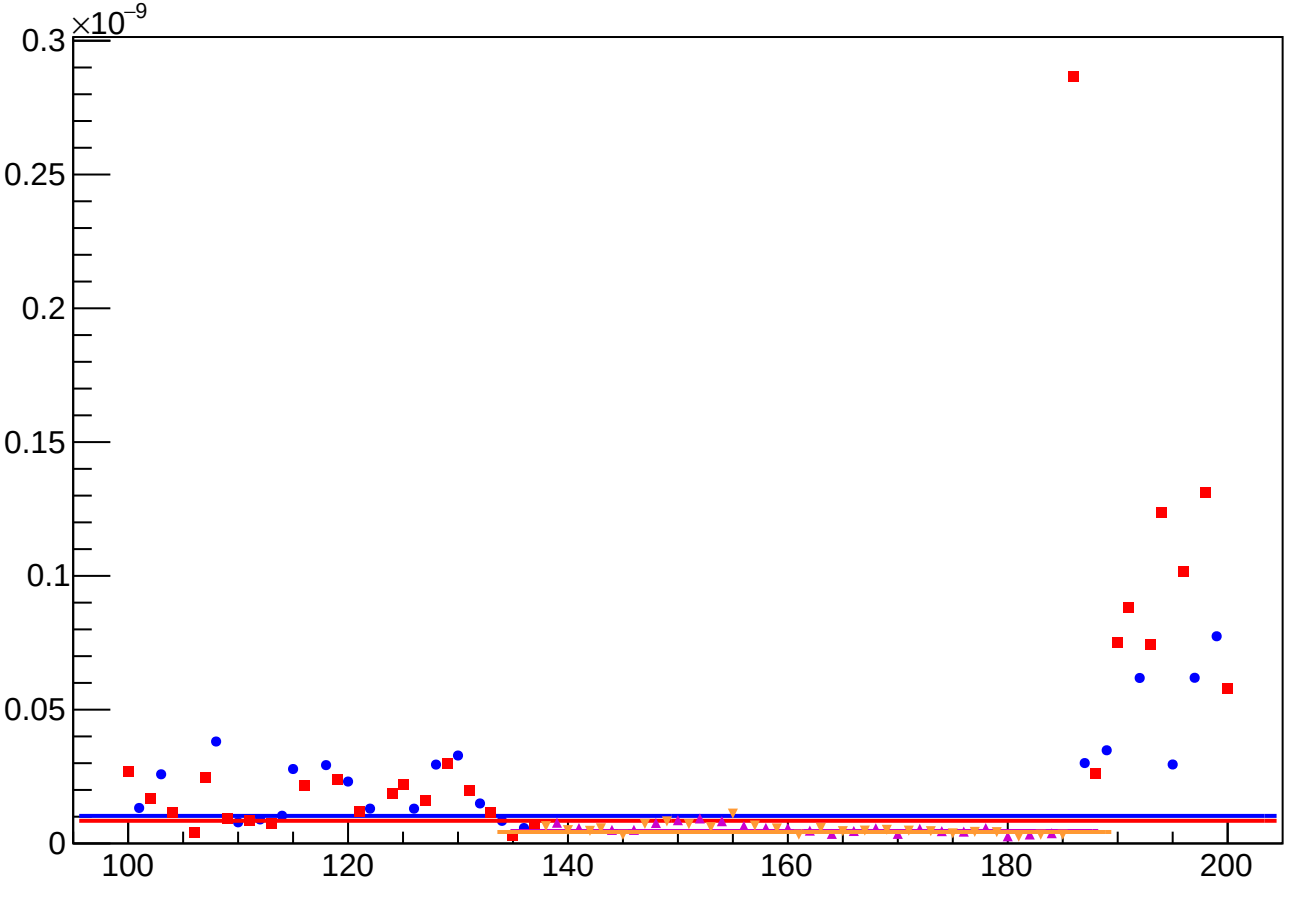
Right: 0.000+/-0.000 χ^2/NDF: 55.1/49

In: -0.000+/-0.000 χ^2/NDF:64.6/44

Out: -0.000+/-0.000 χ^2/NDF:48.4/52

All: -0.000+/-0.000 χ^2/NDF: 119.5/97

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5084445.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783477.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

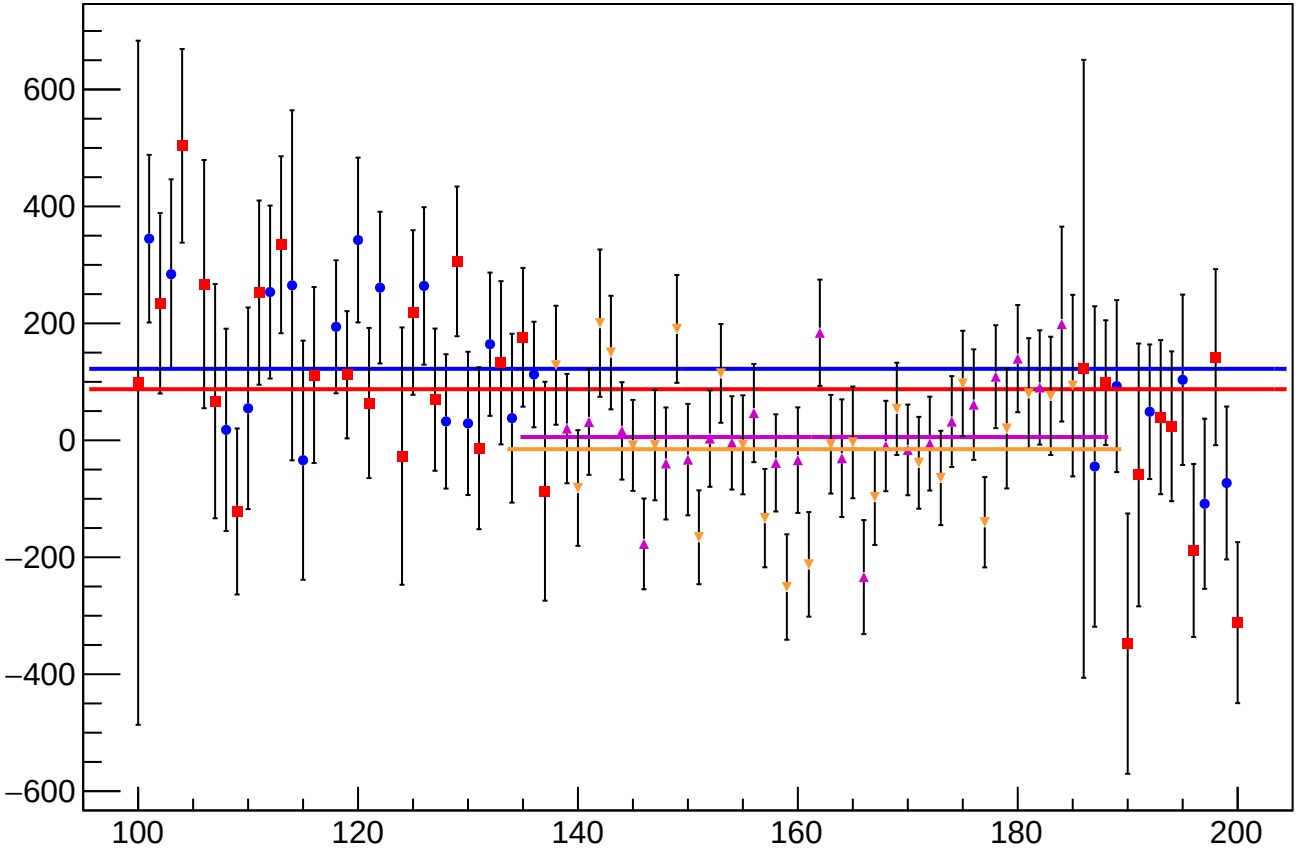
Right: 0.000+/-0.000 χ^2/NDF: 14016900.9/49

In: 0.000+/-0.000 χ^2/NDF:9951064.9/44

Out: 0.000+/-0.000 χ^2/NDF:13017900.5/52

All: 0.000+/-0.000 χ^2/NDF: 23096271.7/97

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 122.264+/-29.561 χ^2/NDF: 17.9/21

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

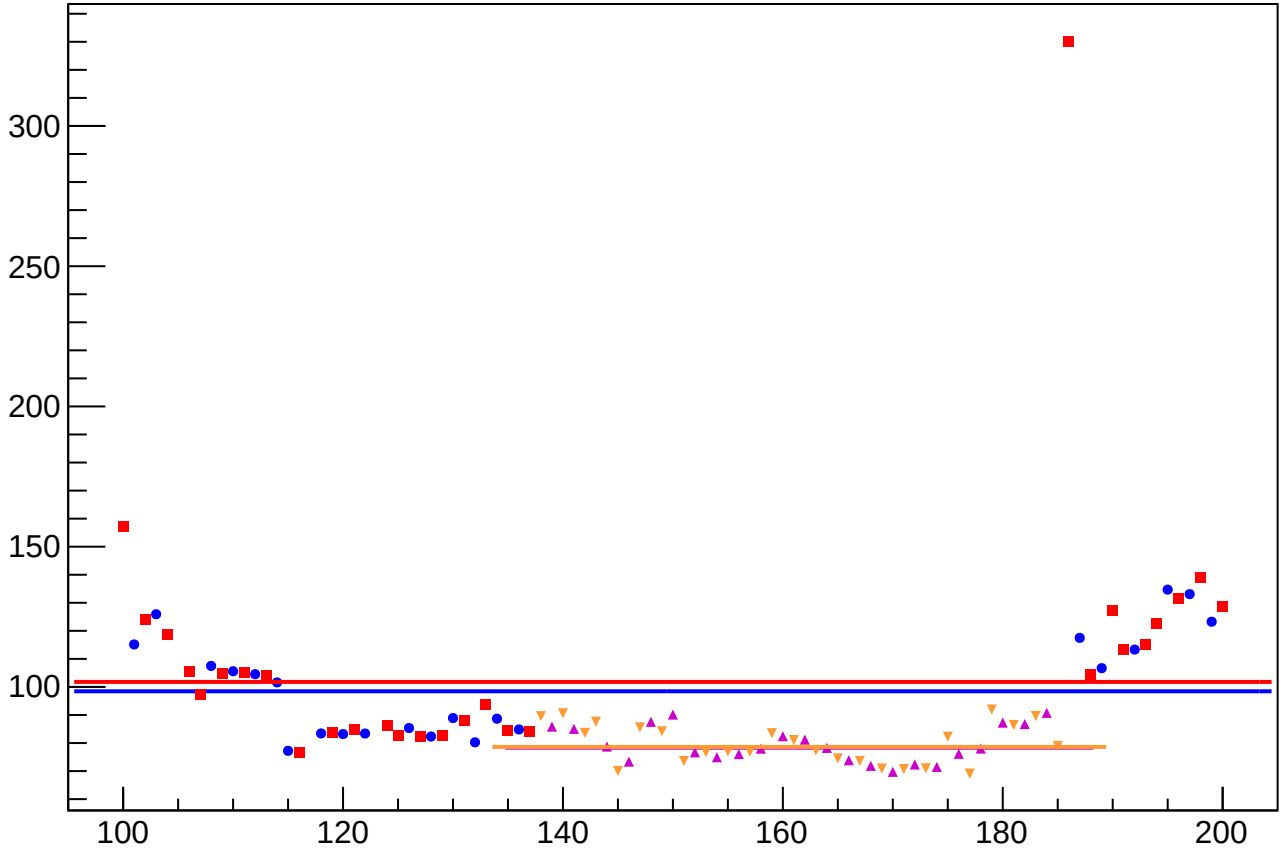
Right: 104.098+/-20.451 χ^2/NDF: 55.4/49

In: 38.152+/-15.610 χ^2/NDF:52.1/44

Out: 14.297+/-15.166 χ^2/NDF:87.8/52

All: 25.880+/-10.877 χ^2/NDF: 141.1/97

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.451+/-0.021 χ^2/NDF: 731381.9/21

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

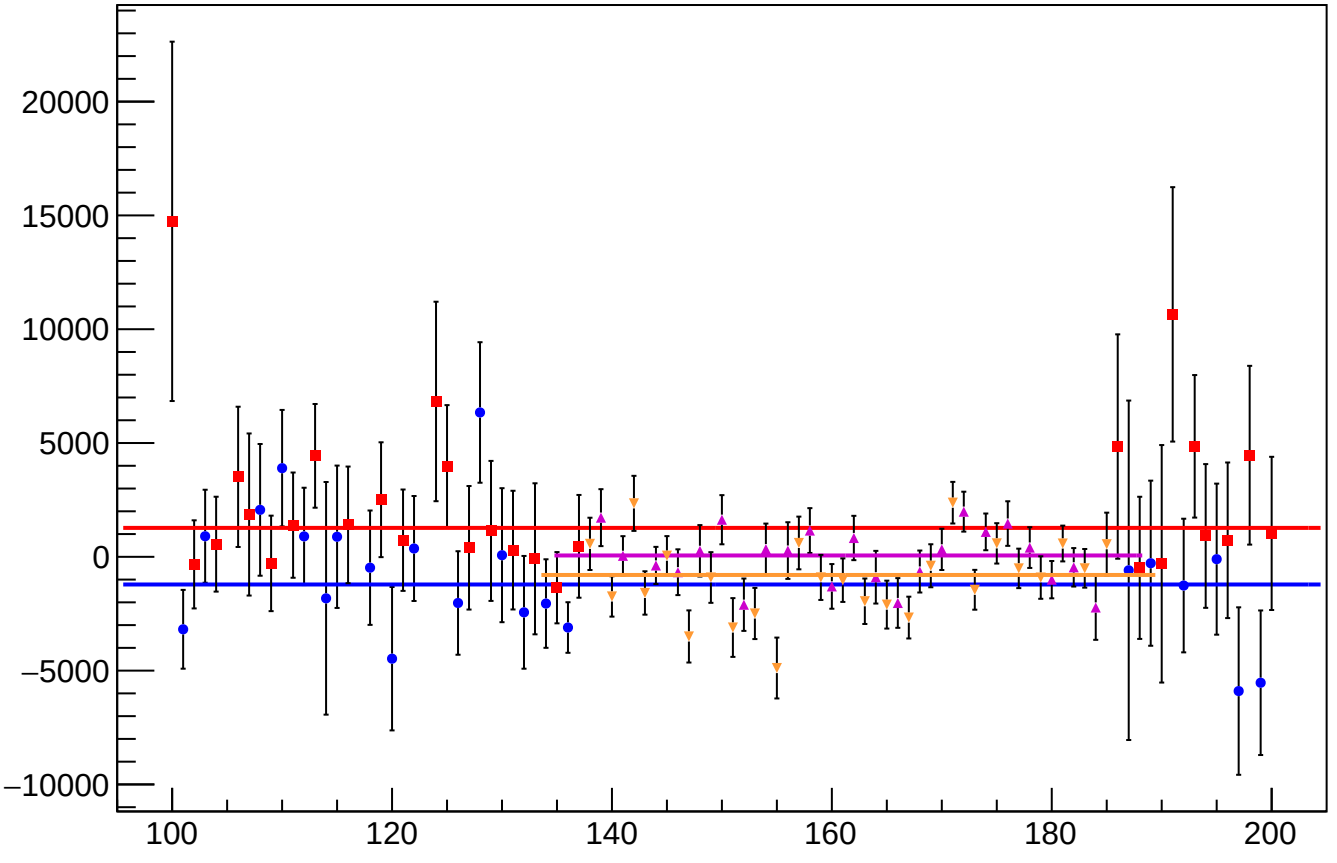
Right: 100.195+/-0.014 χ^2/NDF: 1963991.0/49

In: 83.944+/-0.011 χ^2/NDF:1608447.7/44

Out: 85.264+/-0.011 χ^2/NDF:2481849.3/52

All: 84.623+/-0.008 χ^2/NDF: 4097657.2/97

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1215.465+/-514.536 χ^2/NDF: 24.0/21

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

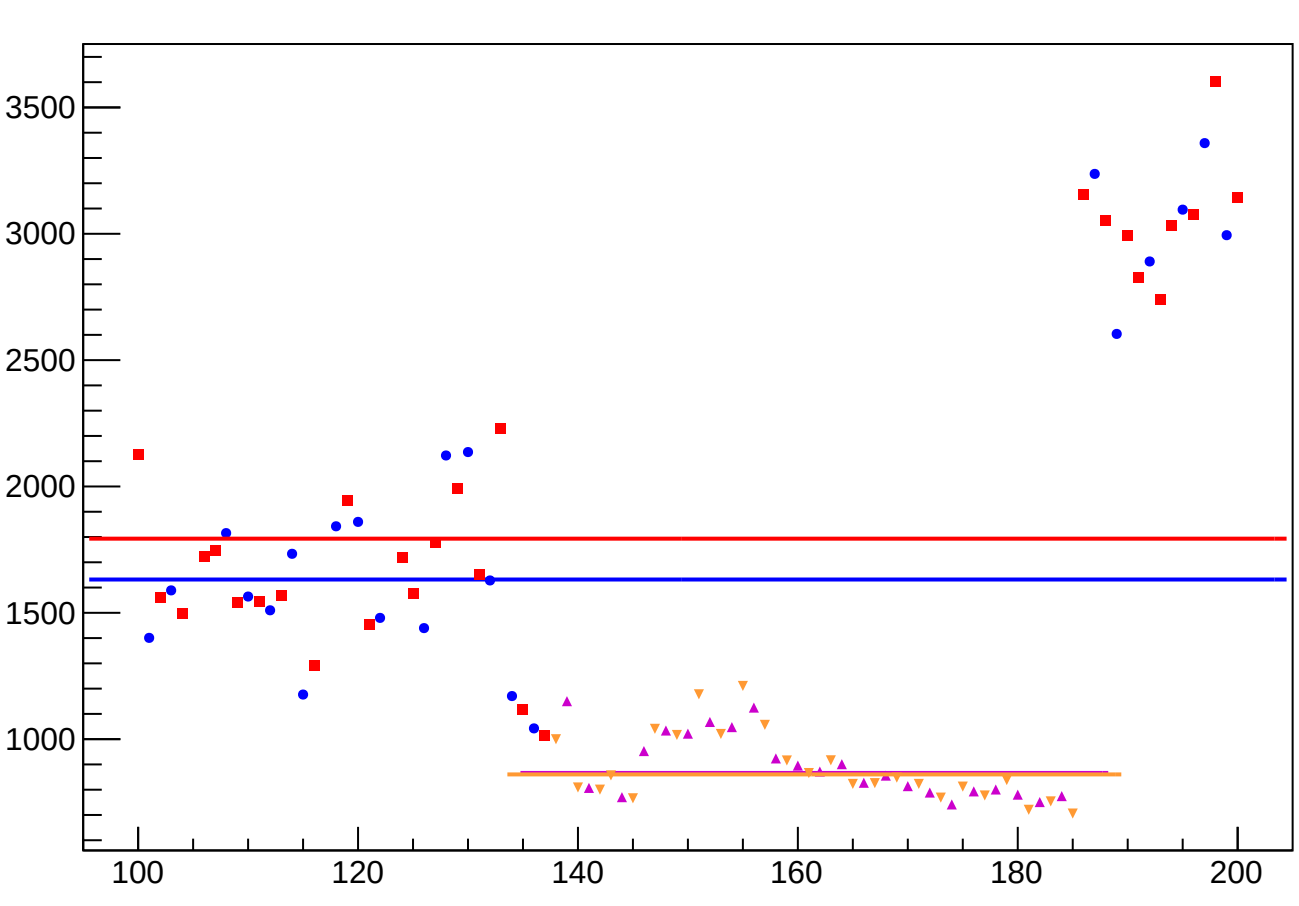
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 22.140+/-364.661 χ^2/NDF: 54.4/49

In: -114.336+/-189.990 χ^2/NDF:59.8/44

Out: -532.639+/-184.804 χ^2/NDF:92.2/52

All: -329.274+/-132.472 χ^2/NDF: 154.5/97



Right In: 1631.827+/-0.364 χ^2/NDF: 2729199.2/21

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

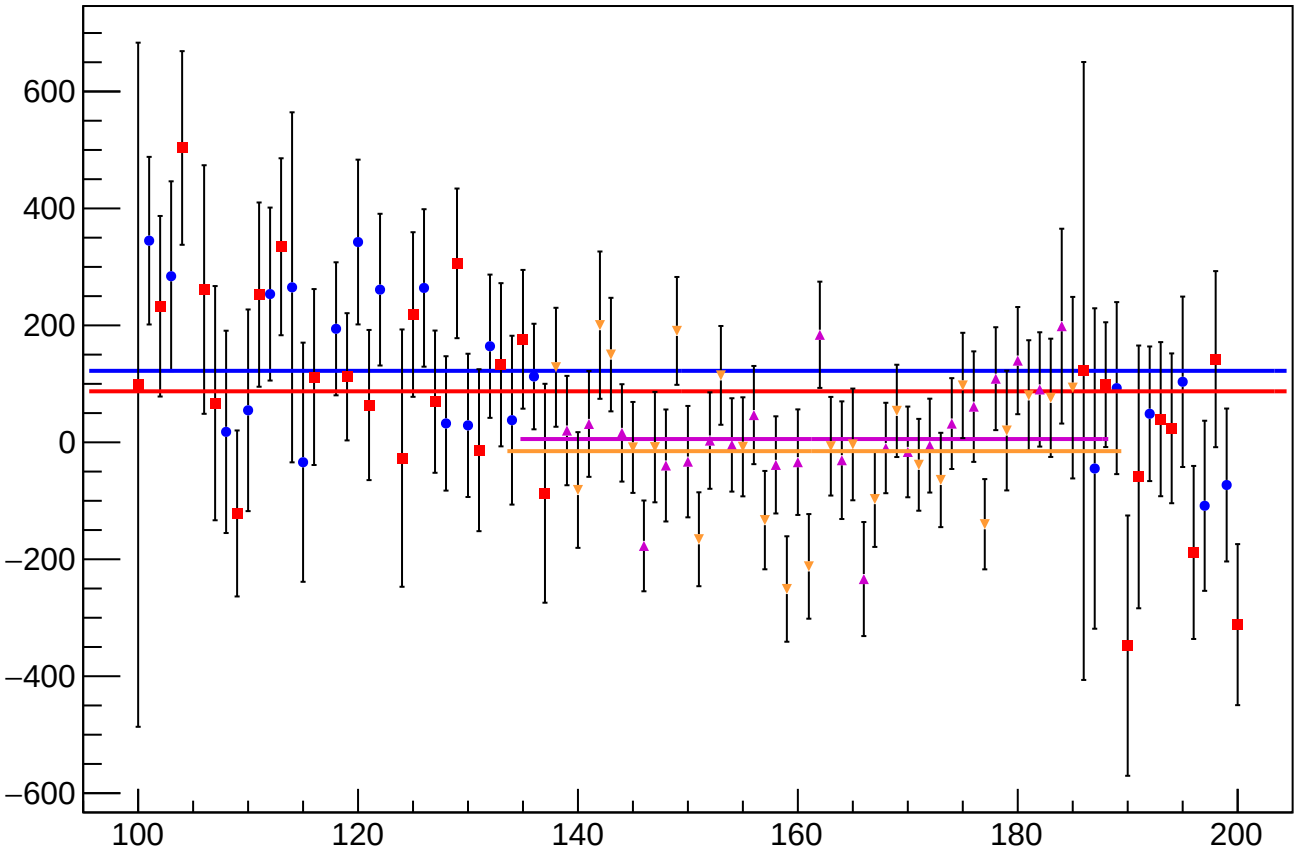
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1712.291+/-0.258 χ^2/NDF: 5949249.1/49

In: 970.718+/-0.134 χ^2/NDF:7165448.2/44

Out: 979.757+/-0.131 χ^2/NDF:9504351.1/52

All: 975.362+/-0.094 χ^2/NDF: 16672125.4/97



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

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

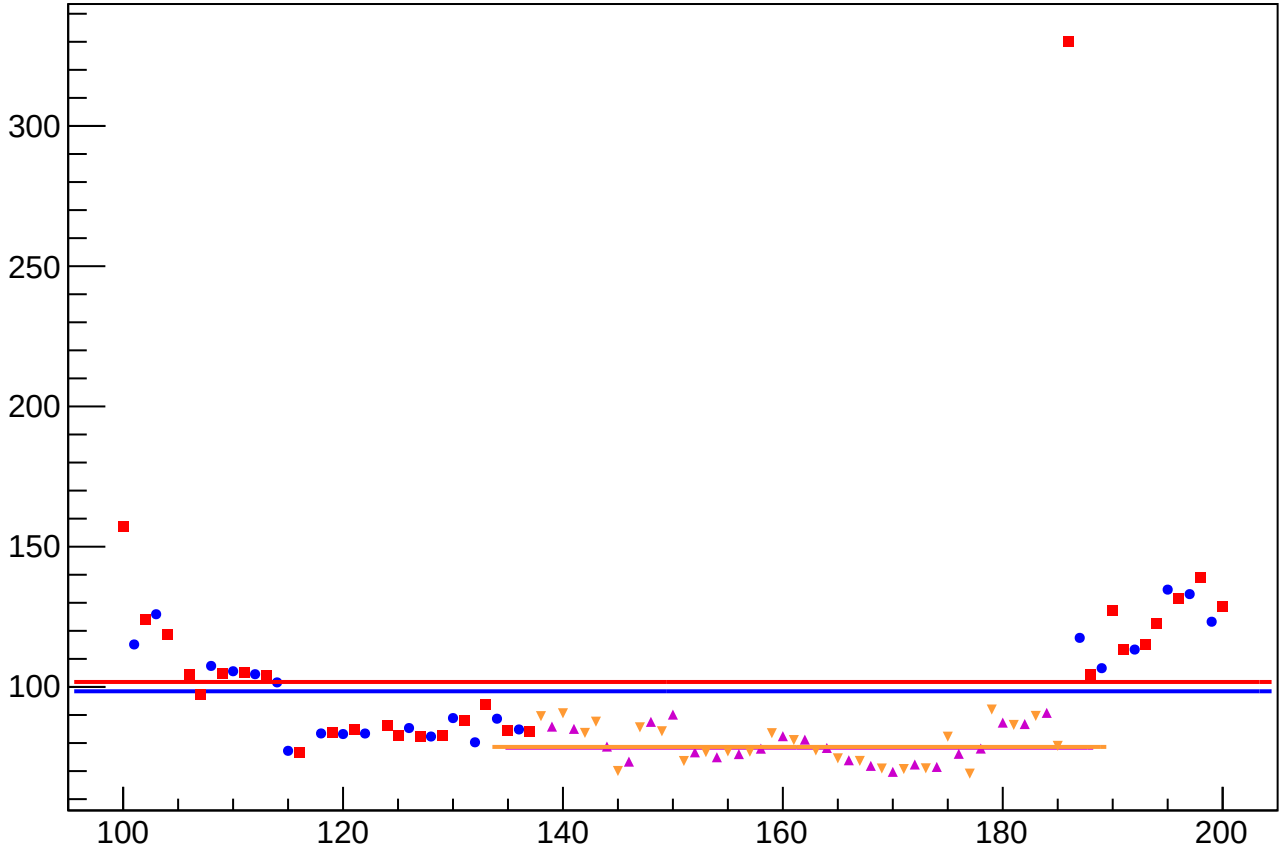
Right: 104.005+/-20.451 χ^2/NDF: 55.3/49

In: 38.148+/-15.610 χ^2/NDF:52.1/44

Out: 14.246+/-15.166 χ^2/NDF:87.7/52

All: 25.852+/-10.877 χ^2/NDF: 141.0/97

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

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

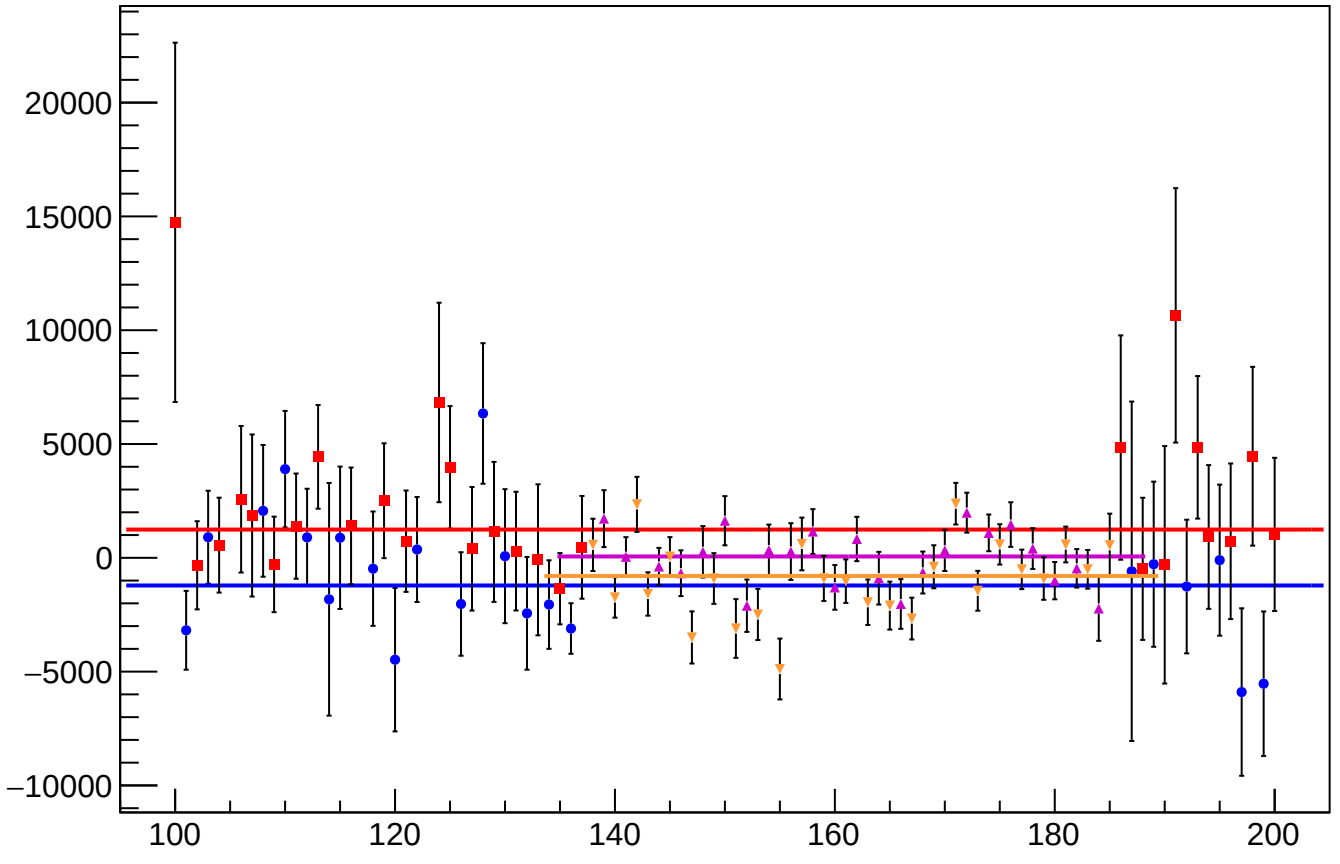
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.183+/-0.014 χ^2/NDF: 1963625.3/49

In: 83.944+/-0.011 χ^2/NDF:1608449.6/44

Out: 85.257+/-0.011 χ^2/NDF:2479799.0/52

All: 84.619+/-0.008 χ^2/NDF: 4095534.5/97



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

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

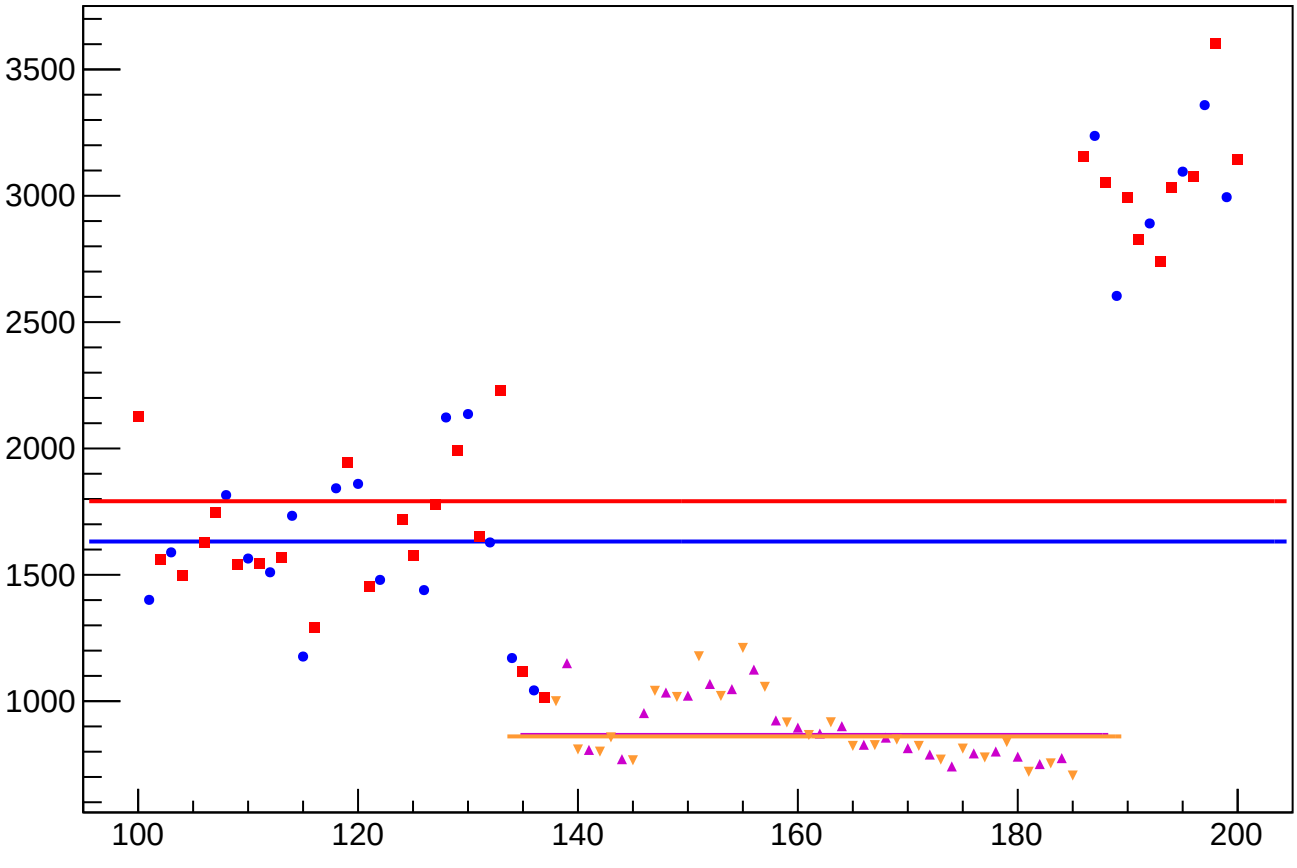
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

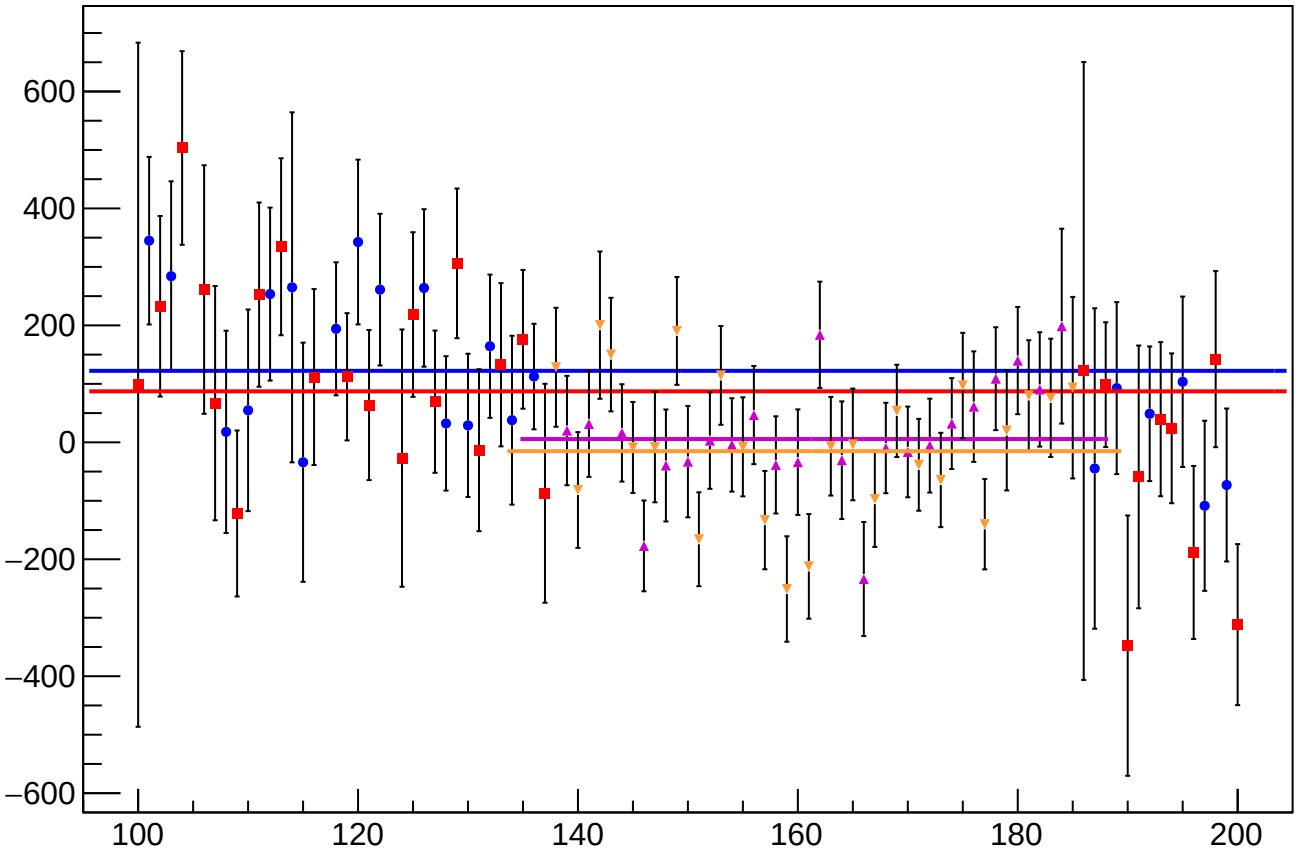
Right: 6.091+/-364.881 χ^2/NDF: 53.8/49

In: -114.333+/-189.990 χ^2/NDF:59.8/44

Out: -536.932+/-184.833 χ^2/NDF:91.4/52

All: -331.446+/-132.482 χ^2/NDF: 153.7/97


asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1631.831+/-0.364 χ²/NDF: 2729196.7/21
Left Out: 860.492+/-0.140 χ²/NDF:699250.7/24
Right Out: 1791.292+/-0.366 χ²/NDF: 3125753.0/27
Left In: 866.352+/-0.145 χ²/NDF:613256.3/22
Left: 863.327+/-0.101 χ²/NDF: 1313355.3/47
Right: 1711.101+/-0.258 χ²/NDF: 5950440.8/49
In: 970.718+/-0.134 χ²/NDF:7165464.5/44
Out: 979.223+/-0.131 χ²/NDF:9469571.1/52
All: 975.088+/-0.094 χ²/NDF: 16637094.8/97



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

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

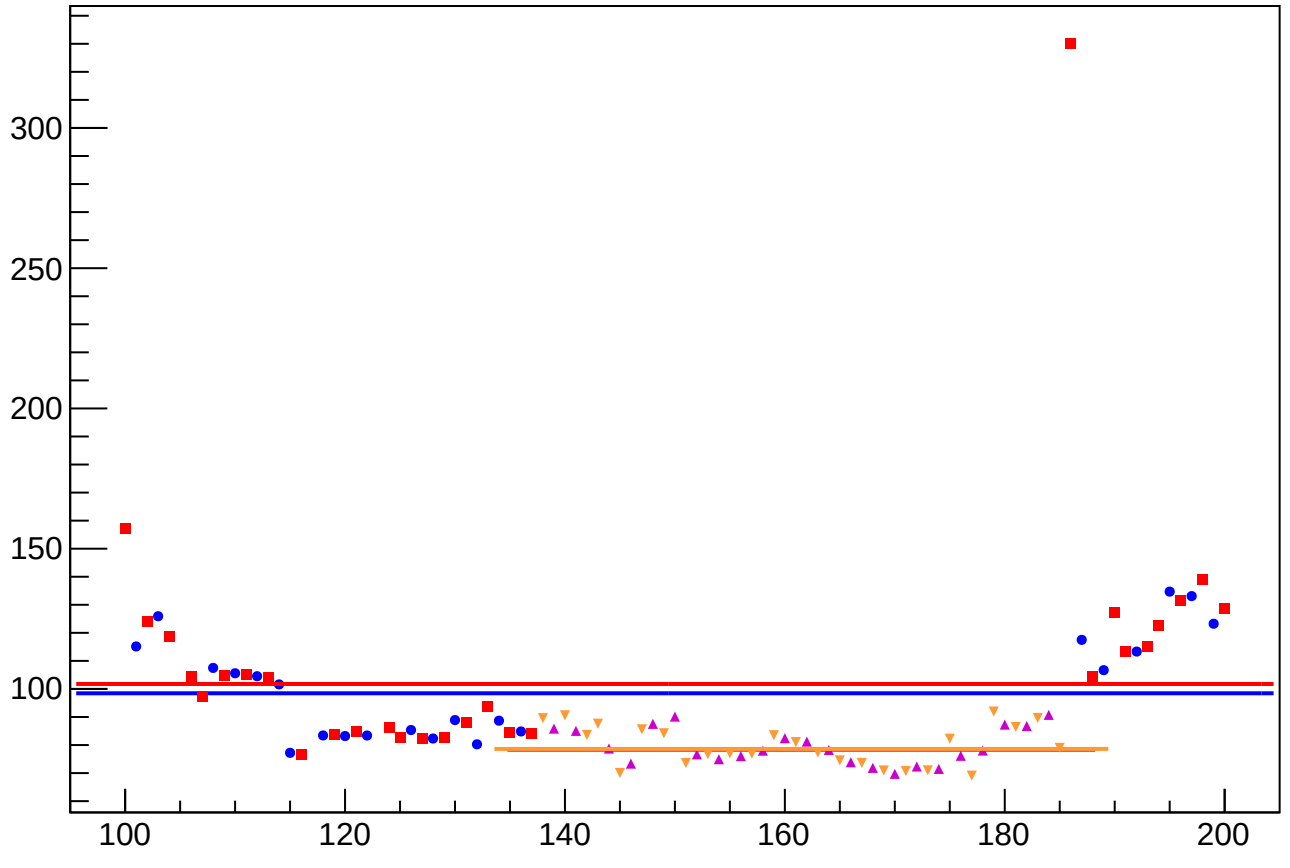
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 104.005+/-20.451 χ^2/NDF: 55.3/49

In: 38.148+/-15.610 χ^2/NDF:52.1/44

Out: 14.246+/-15.166 χ^2/NDF:87.7/52

All: 25.852+/-10.877 χ^2/NDF: 141.0/97



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

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

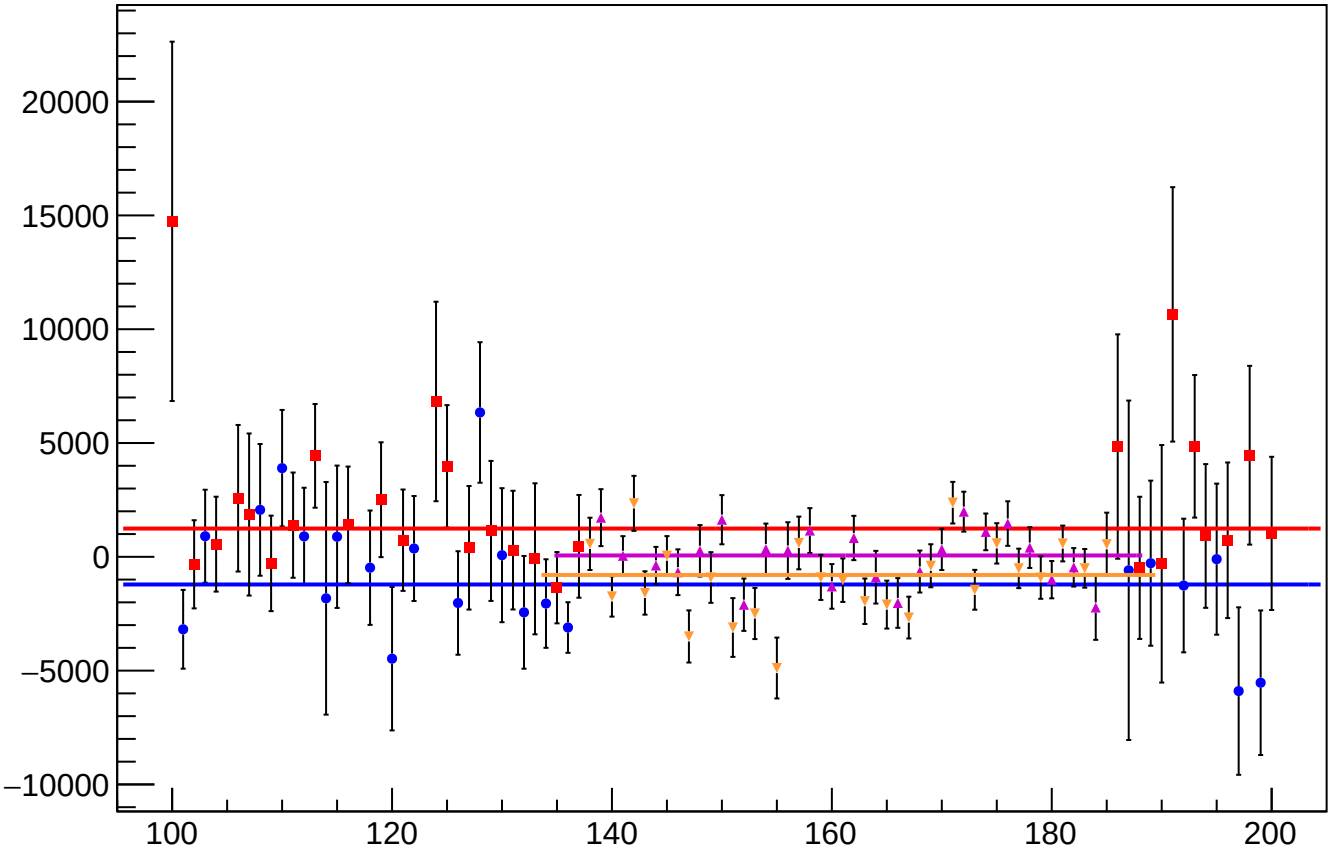
Right: 100.183+/-0.014 χ^2/NDF: 1963625.3/49

In: 83.944+/-0.011 χ^2/NDF:1608449.6/44

Out: 85.257+/-0.011 χ^2/NDF:2479799.0/52

All: 84.619+/-0.008 χ^2/NDF: 4095534.5/97

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

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

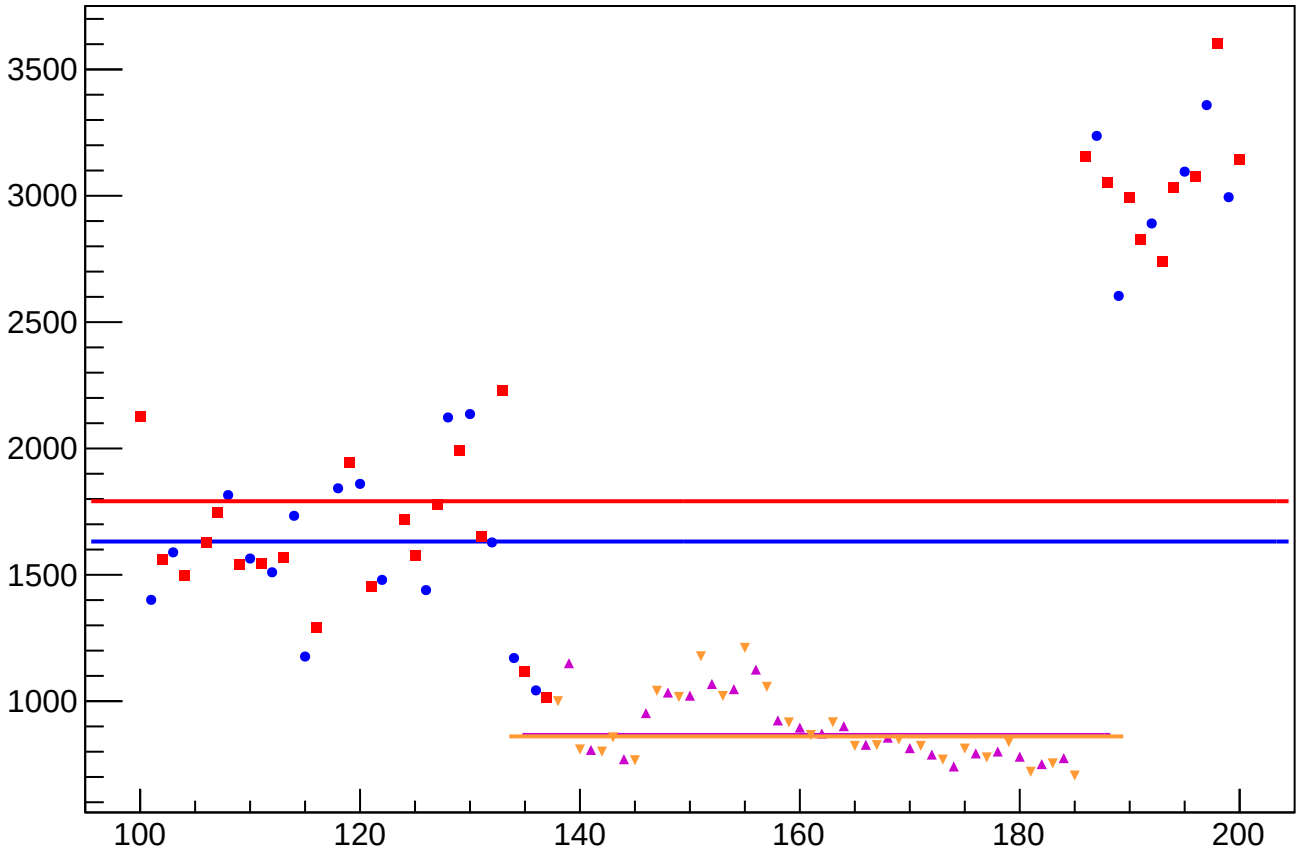
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

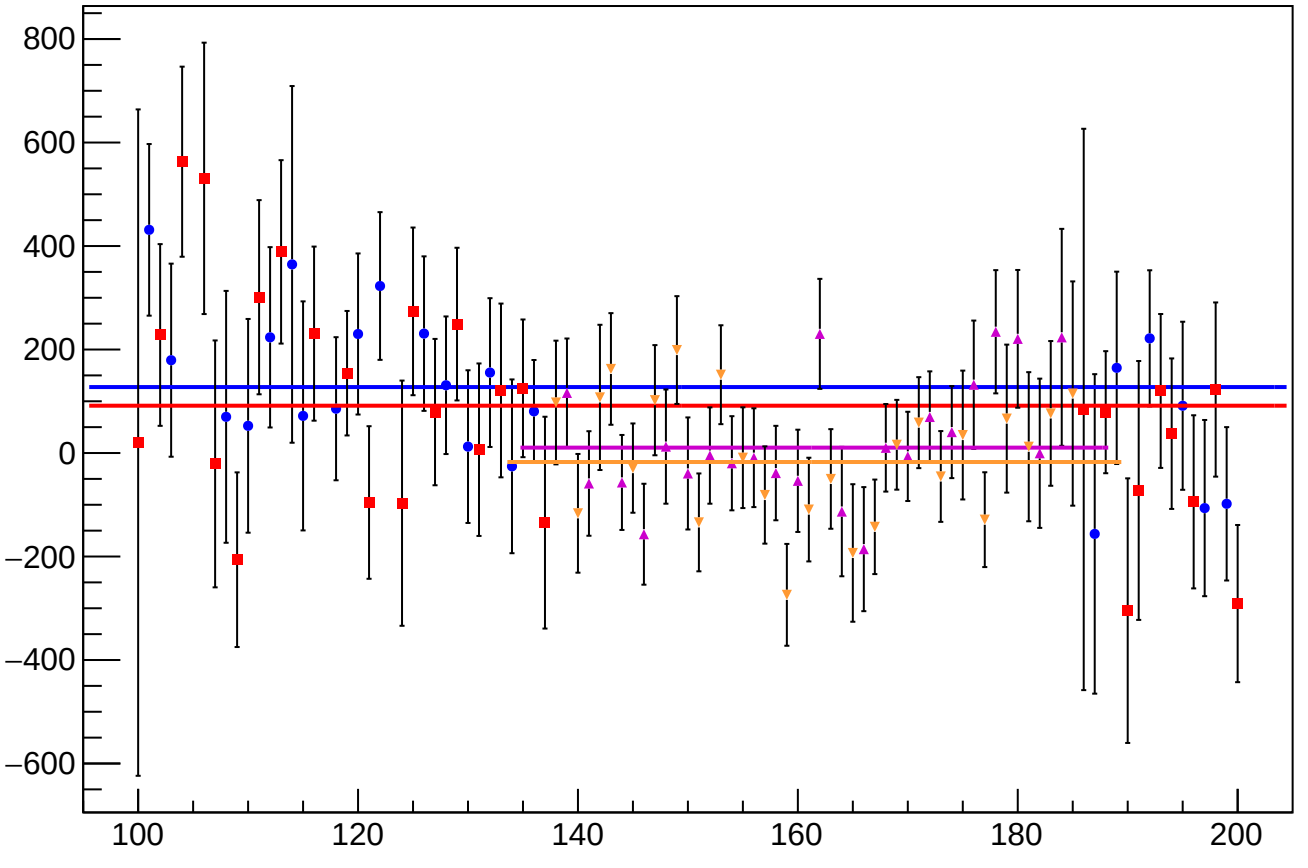
Right: 6.091+/-364.881 χ^2/NDF: 53.8/49

In: -114.333+/-189.990 χ^2/NDF:59.8/44

Out: -536.932+/-184.833 χ^2/NDF:91.4/52

All: -331.446+/-132.482 χ^2/NDF: 153.7/97


asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1631.831+/-0.364 χ²/NDF: 2729196.7/21
Left Out: 860.492+/-0.140 χ²/NDF:699250.7/24
Right Out: 1791.292+/-0.366 χ²/NDF: 3125753.0/27
Left In: 866.352+/-0.145 χ²/NDF:613256.3/22
Left: 863.327+/-0.101 χ²/NDF: 1313355.3/47
Right: 1711.101+/-0.258 χ²/NDF: 5950440.8/49
In: 970.718+/-0.134 χ²/NDF:7165464.5/44
Out: 979.223+/-0.131 χ²/NDF:9469571.1/52
All: 975.088+/-0.094 χ²/NDF: 16637094.8/97



Right In: 127.467+/-34.142 χ^2/NDF: 14.7/21

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

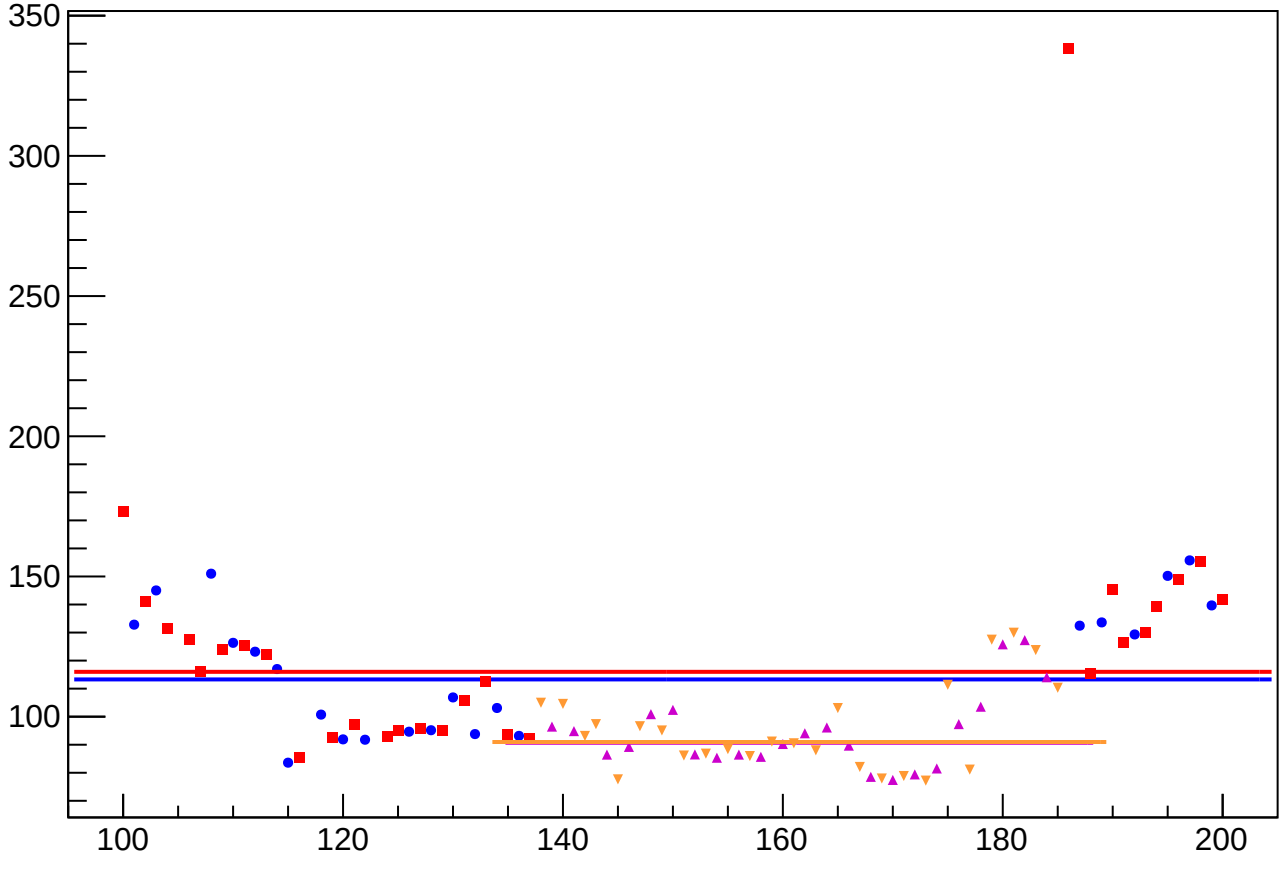
Right: 108.450+/-23.457 χ^2/NDF: 50.5/49

In: 43.657+/-18.195 χ^2/NDF:45.7/44

Out: 14.967+/-17.595 χ^2/NDF:74.4/52

All: 28.832+/-12.649 χ^2/NDF: 121.4/97

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 113.286+/-0.024 χ^2/NDF: 835027.1/21

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

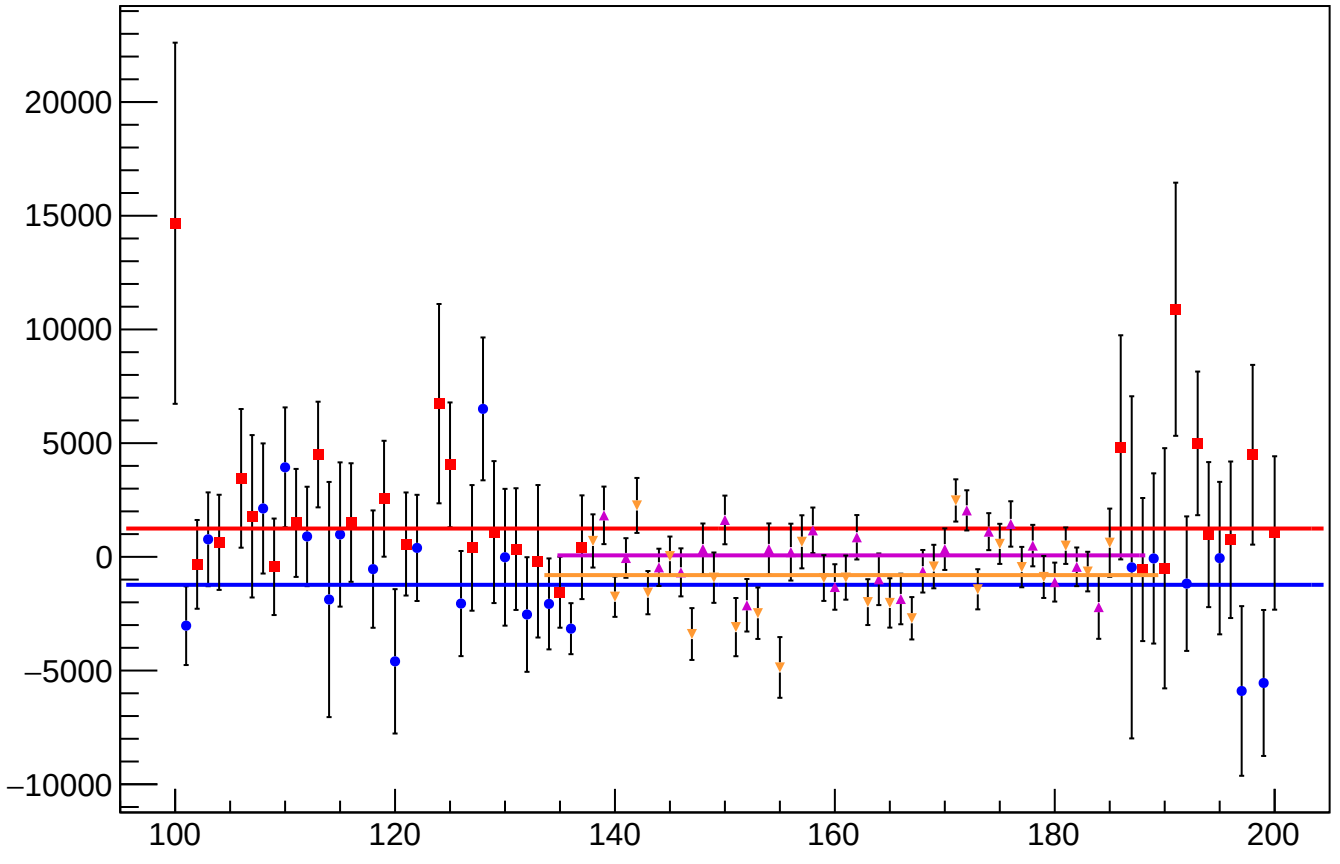
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 114.716+/-0.017 χ^2/NDF: 2005580.6/49

In: 97.108+/-0.013 χ^2/NDF:2008213.2/44

Out: 98.402+/-0.012 χ^2/NDF:2793395.2/52

All: 97.776+/-0.009 χ^2/NDF: 4806838.0/97



Right In: -1229.702+/-521.496 χ^2/NDF: 23.7/21

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

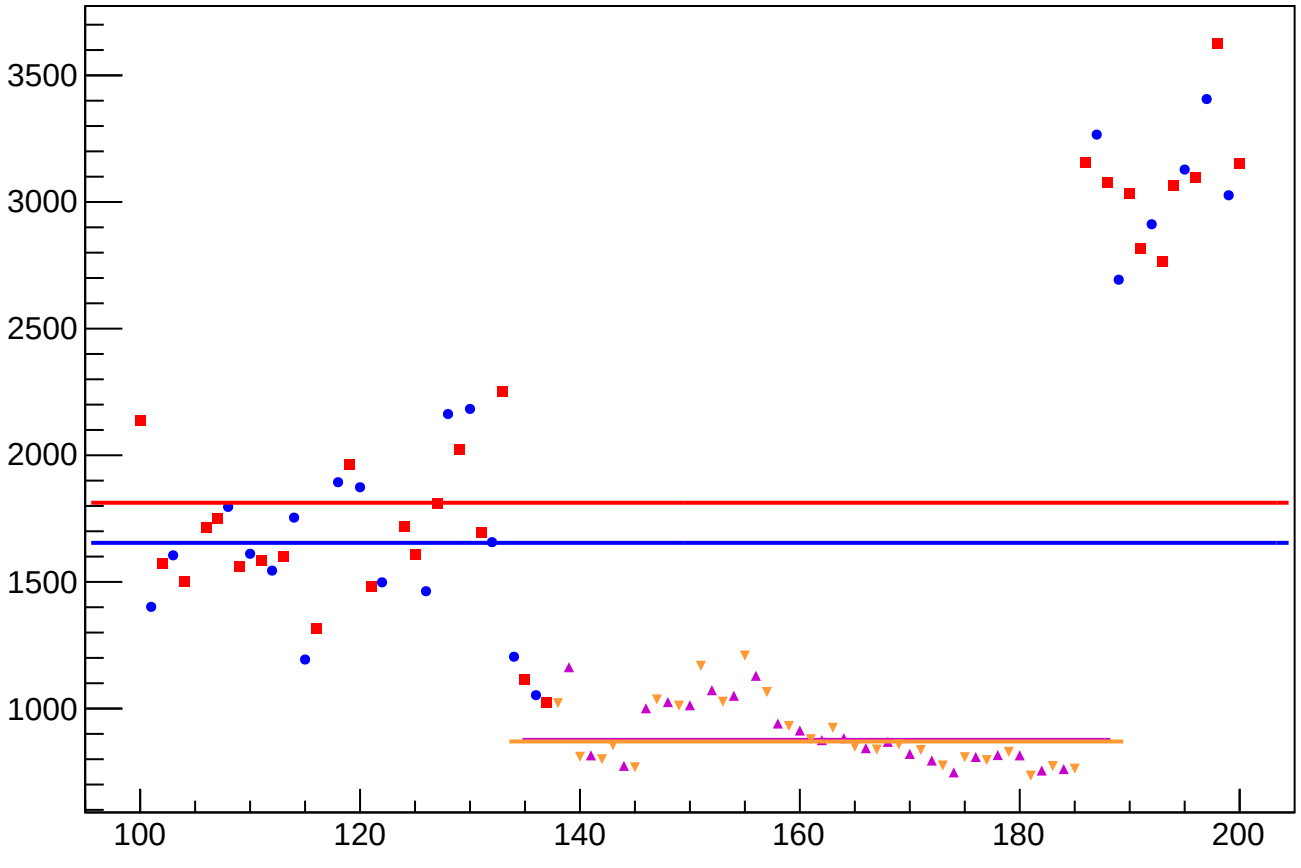
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 6.365+/-368.961 χ^2/NDF: 54.5/49

In: -110.561+/-192.138 χ^2/NDF:59.8/44

Out: -540.820+/-186.644 χ^2/NDF:91.3/52

All: -331.931+/-133.877 χ^2/NDF: 153.6/97



Right In: 1654.292+/-0.369 χ^2/NDF: 2737939.2/21

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

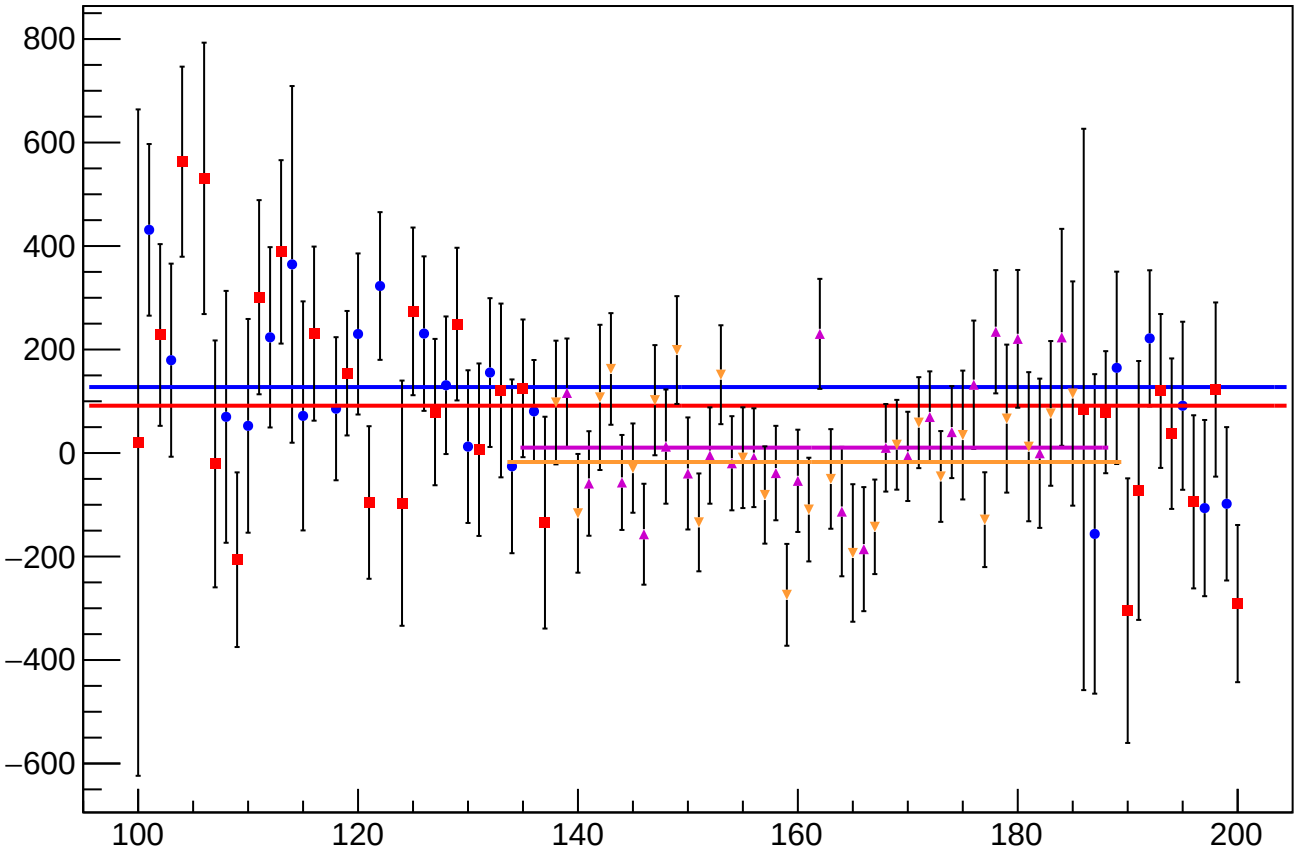
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1733.380+/-0.261 χ^2/NDF: 5941253.2/49

In: 981.886+/-0.136 χ^2/NDF:7182387.7/44

Out: 990.482+/-0.132 χ^2/NDF:9445102.1/52

All: 986.309+/-0.095 χ^2/NDF: 16629549.6/97



Right In: 127.469+/-34.141 χ^2/NDF: 14.7/21

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

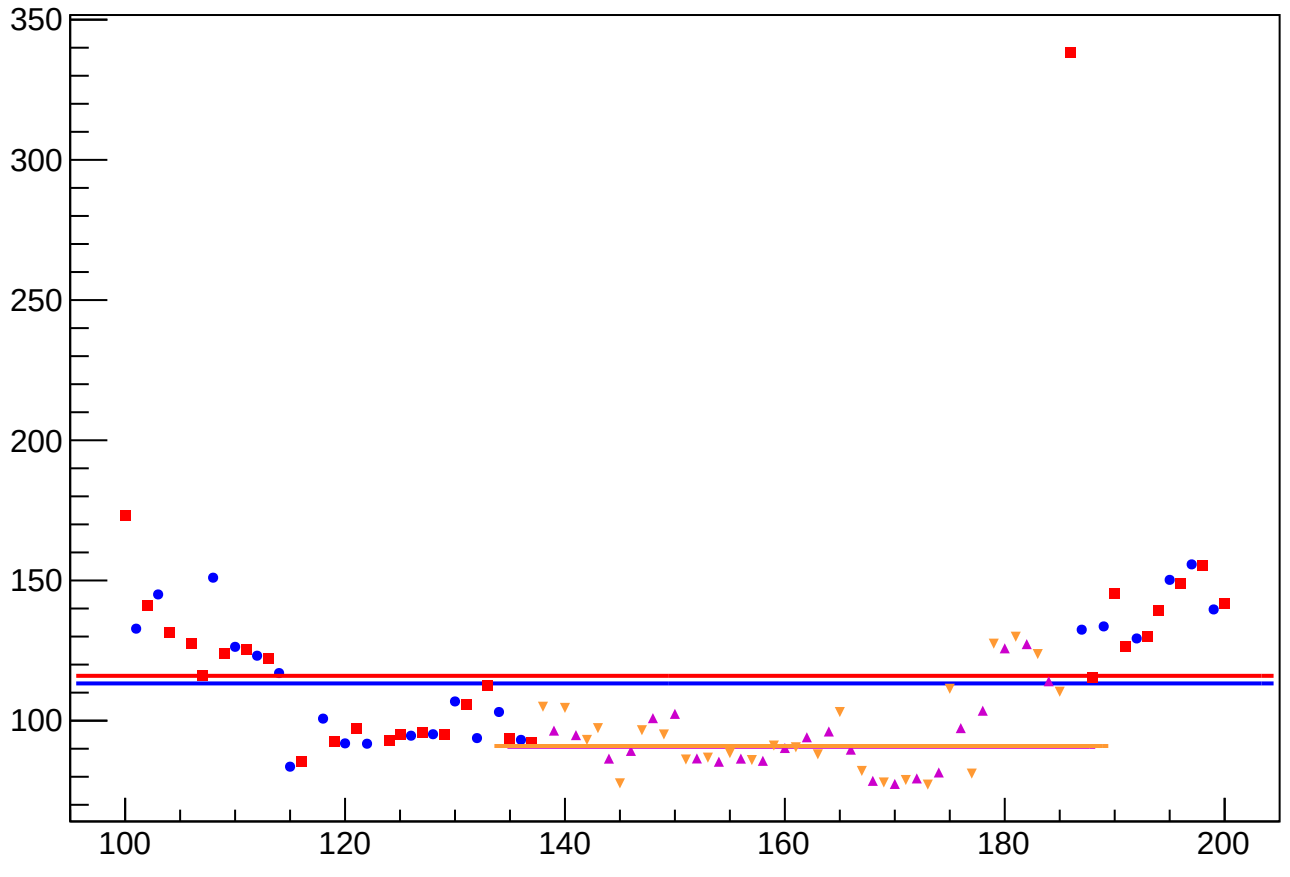
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 108.451+/-23.457 χ^2/NDF: 50.5/49

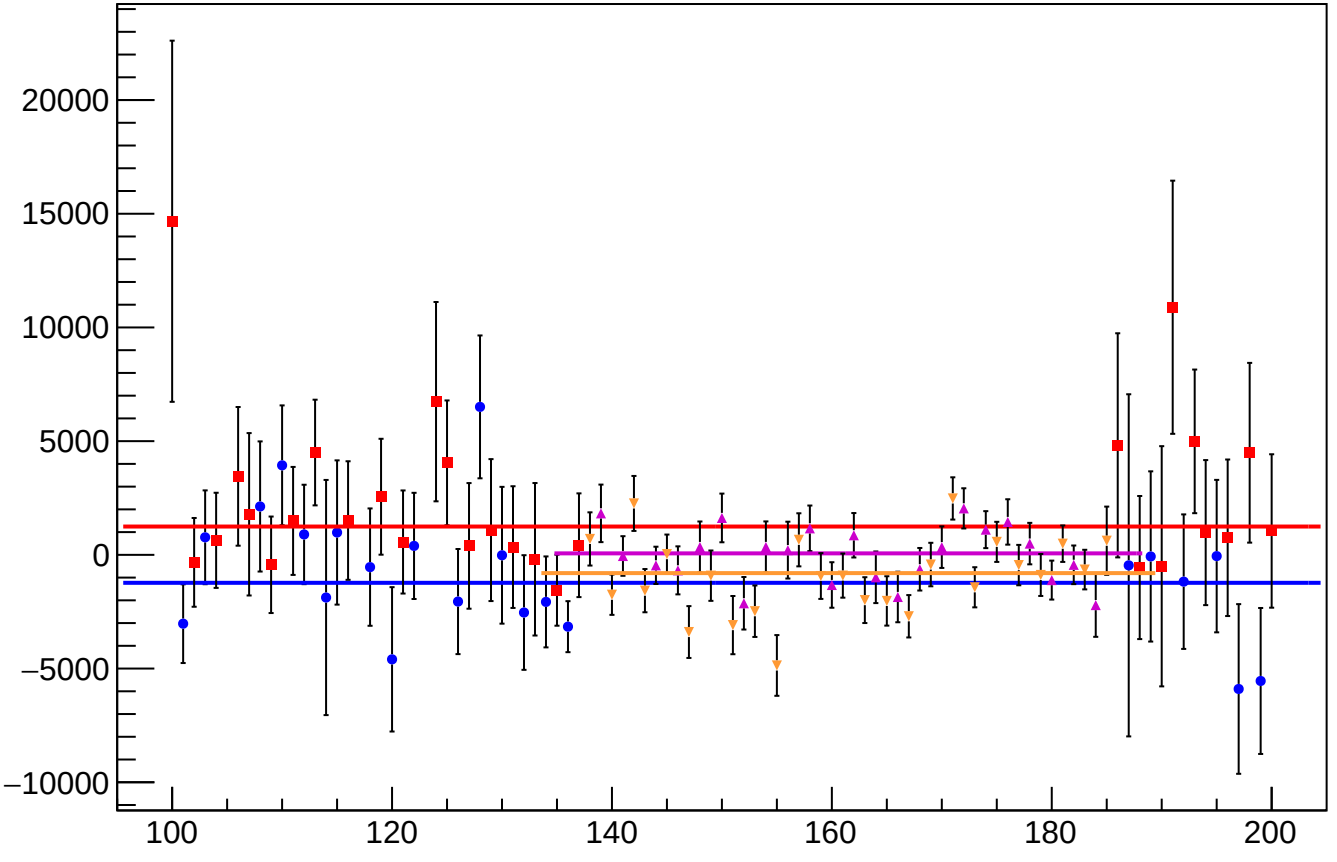
In: 43.658+/-18.195 χ^2/NDF:45.7/44

Out: 14.968+/-17.595 χ^2/NDF:74.4/52

All: 28.832+/-12.648 χ^2/NDF: 121.4/97


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: 113.285+/-0.024 χ²/NDF: 835048.6/21
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: 114.715+/-0.017 χ²/NDF: 2005621.2/49
In: 97.107+/-0.013 χ²/NDF:2008181.8/44
Out: 98.402+/-0.012 χ²/NDF:2793374.9/52
All: 97.776+/-0.009 χ²/NDF: 4806787.6/97

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1229.698+/-521.495 χ^2/NDF: 23.7/21

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1245.217+/-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

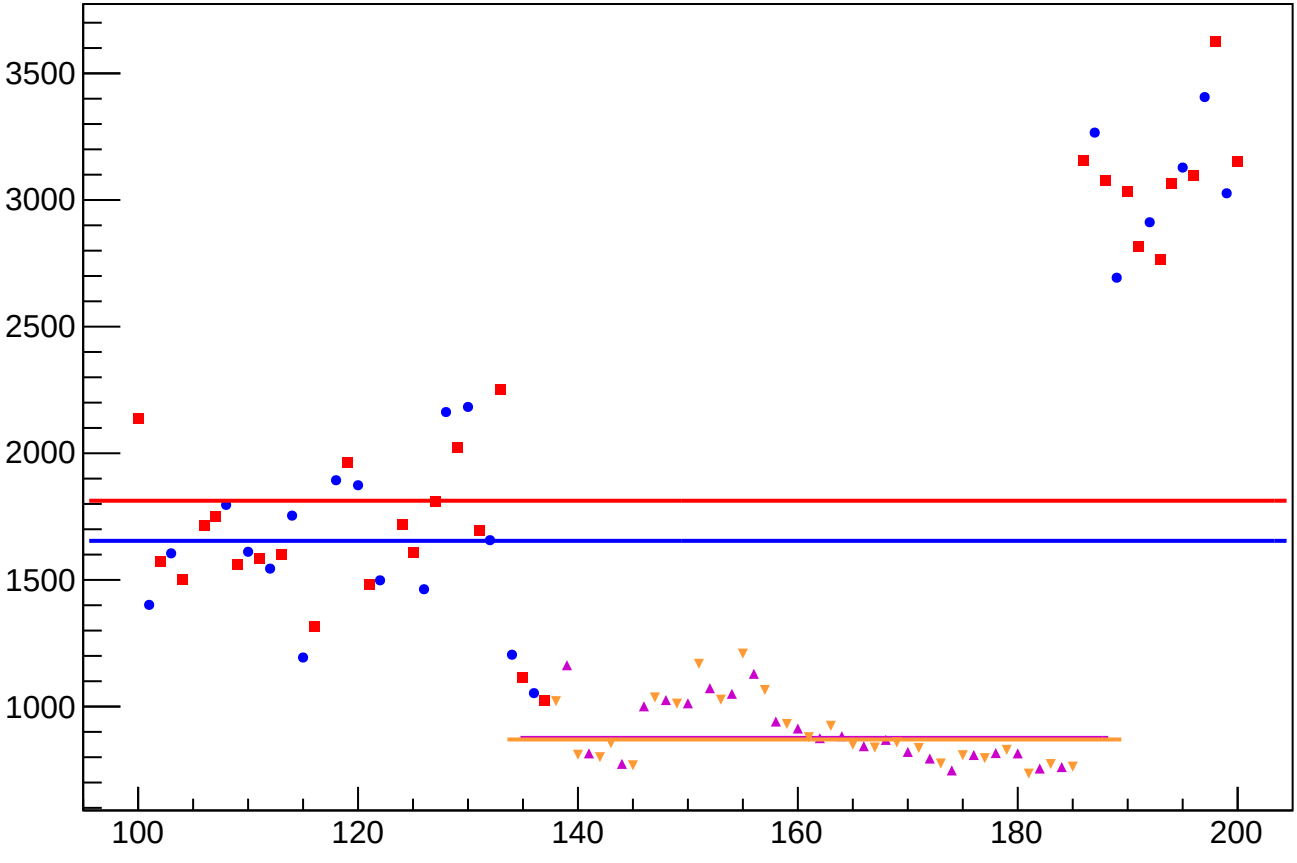
Right: 6.366+/-368.960 χ^2/NDF: 54.5/49

In: -110.561+/-192.138 χ^2/NDF:59.8/44

Out: -540.819+/-186.643 χ^2/NDF:91.3/52

All: -331.930+/-133.877 χ^2/NDF: 153.6/97

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1654.289+/-0.369 χ^2/NDF: 2737941.3/21

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

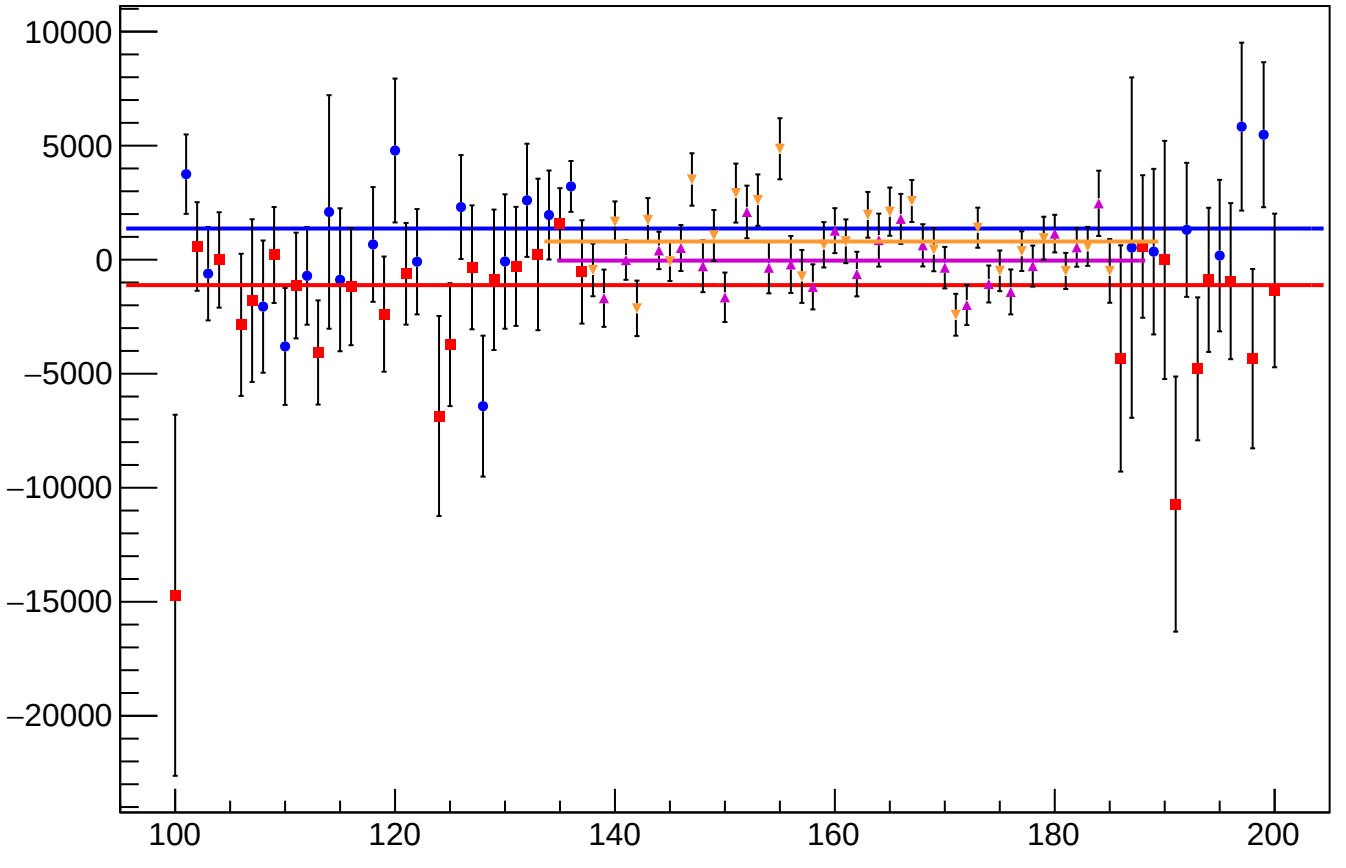
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1733.377+/-0.261 χ^2/NDF: 5941262.8/49

In: 981.885+/-0.136 χ^2/NDF:7182381.7/44

Out: 990.481+/-0.132 χ^2/NDF:9445097.5/52

All: 986.308+/-0.095 χ^2/NDF: 16629539.1/97



Right In: 1366.169+/-515.836 χ^2/NDF: 24.6/21

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

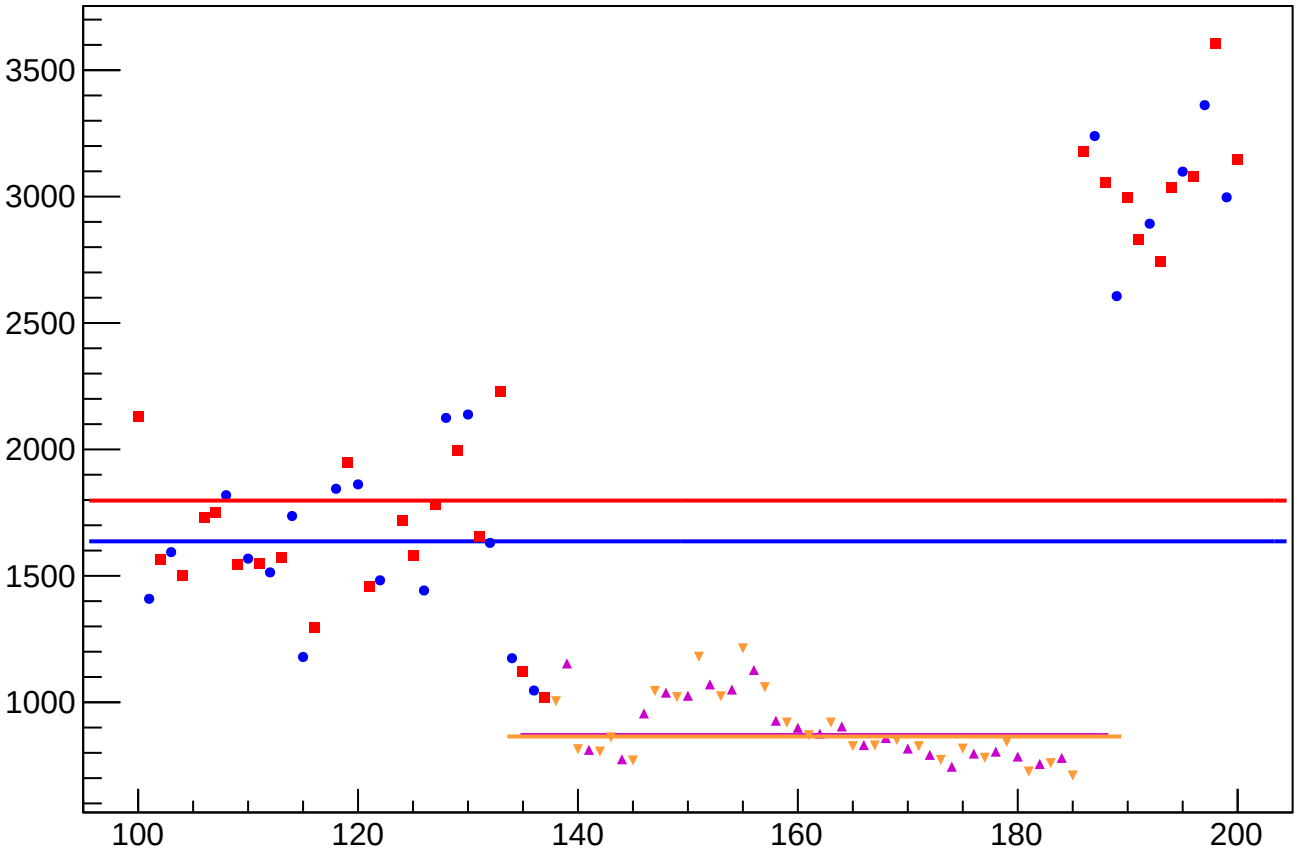
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 130.603+/-365.545 χ^2/NDF: 54.6/49

In: 152.579+/-190.788 χ^2/NDF:60.7/44

Out: 550.883+/-185.607 χ^2/NDF:87.5/52

All: 357.212+/-133.038 χ^2/NDF: 150.5/97



Right In: 1636.554+/-0.365 χ^2/NDF: 2715484.4/21

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

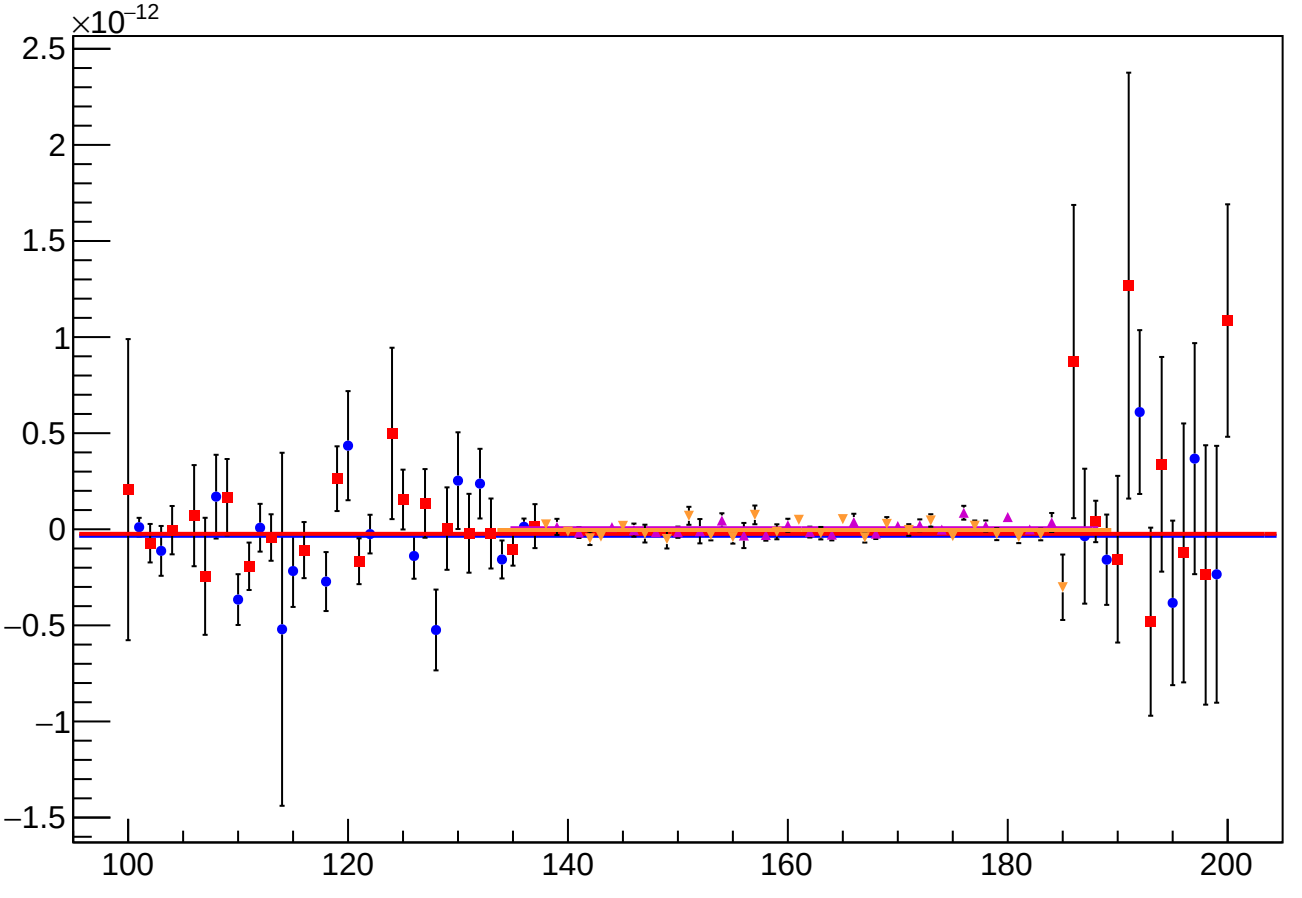
Right: 1716.817+/-0.258 χ^2/NDF: 5924422.6/49

In: 975.161+/-0.135 χ^2/NDF:7129023.4/44

Out: 984.401+/-0.131 χ^2/NDF:9456046.6/52

All: 979.908+/-0.094 χ^2/NDF: 16587480.1/97

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/21

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

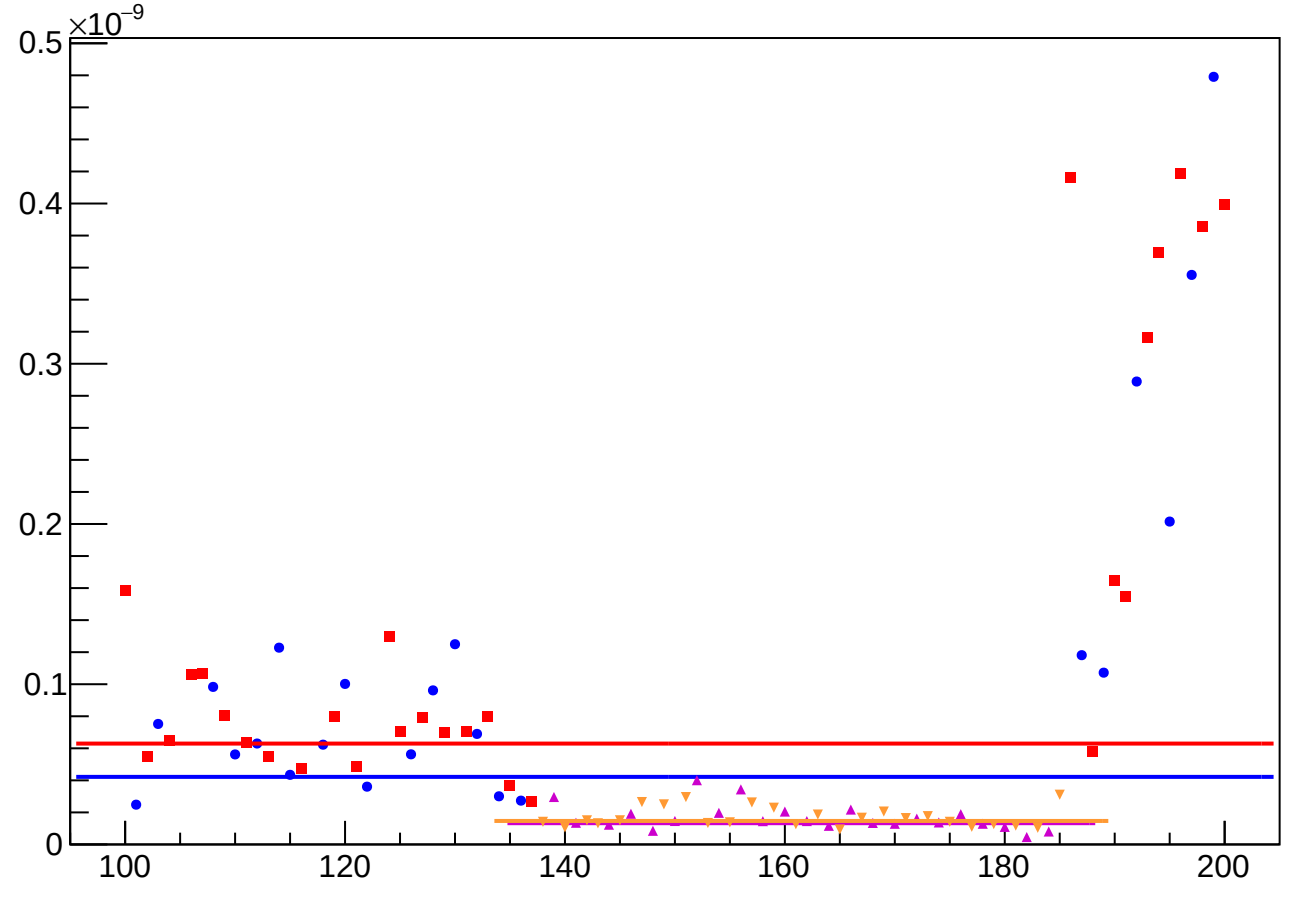
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.1/49

In: 0.000+/-0.000 χ^2/NDF:54.2/44

Out: -0.000+/-0.000 χ^2/NDF:60.0/52

All: -0.000+/-0.000 χ^2/NDF: 115.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 4017718.3/21

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

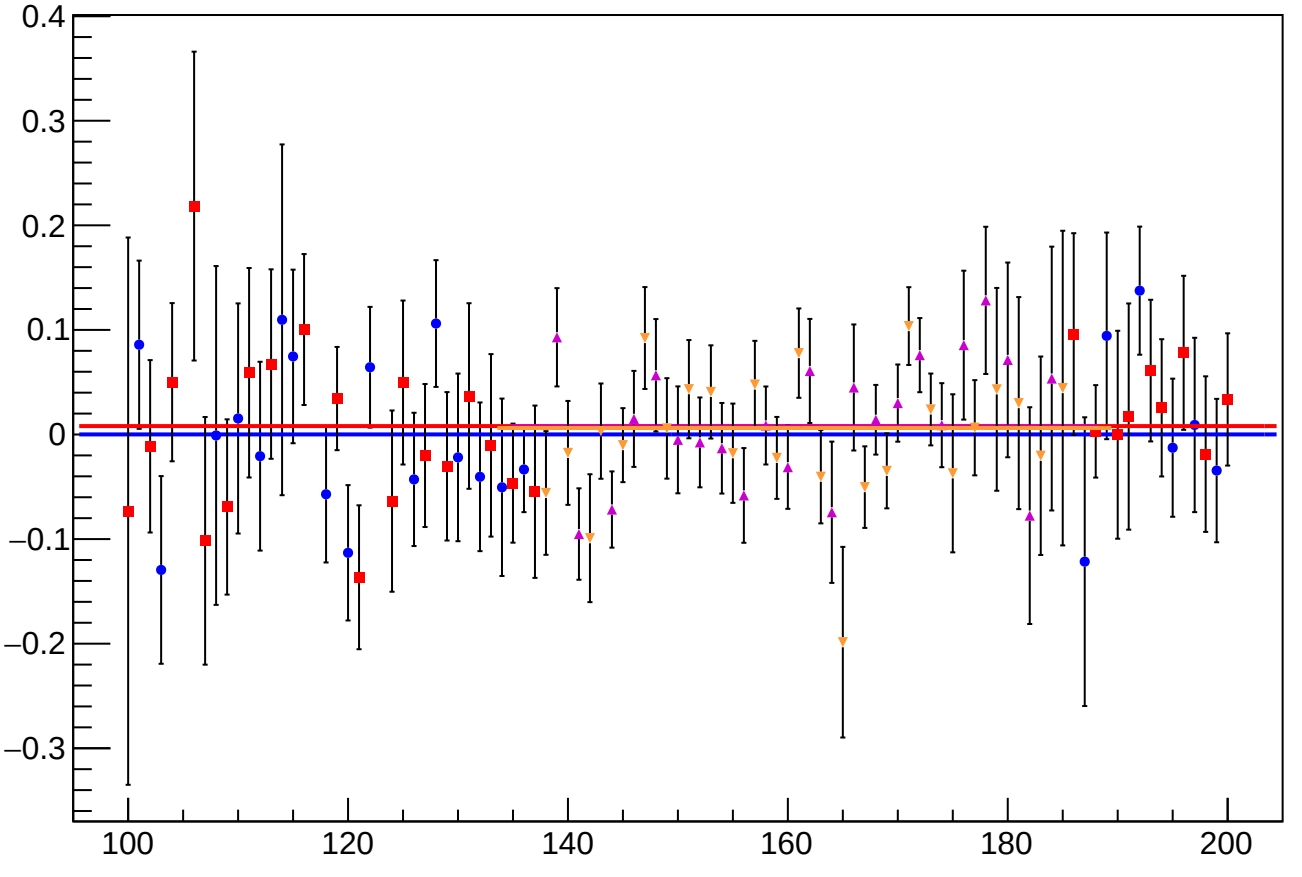
Right: 0.000+/-0.000 χ^2/NDF: 8546914.9/49

In: 0.000+/-0.000 χ^2/NDF:8571107.7/44

Out: 0.000+/-0.000 χ^2/NDF:9504658.3/52

All: 0.000+/-0.000 χ^2/NDF: 18136131.6/97

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

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

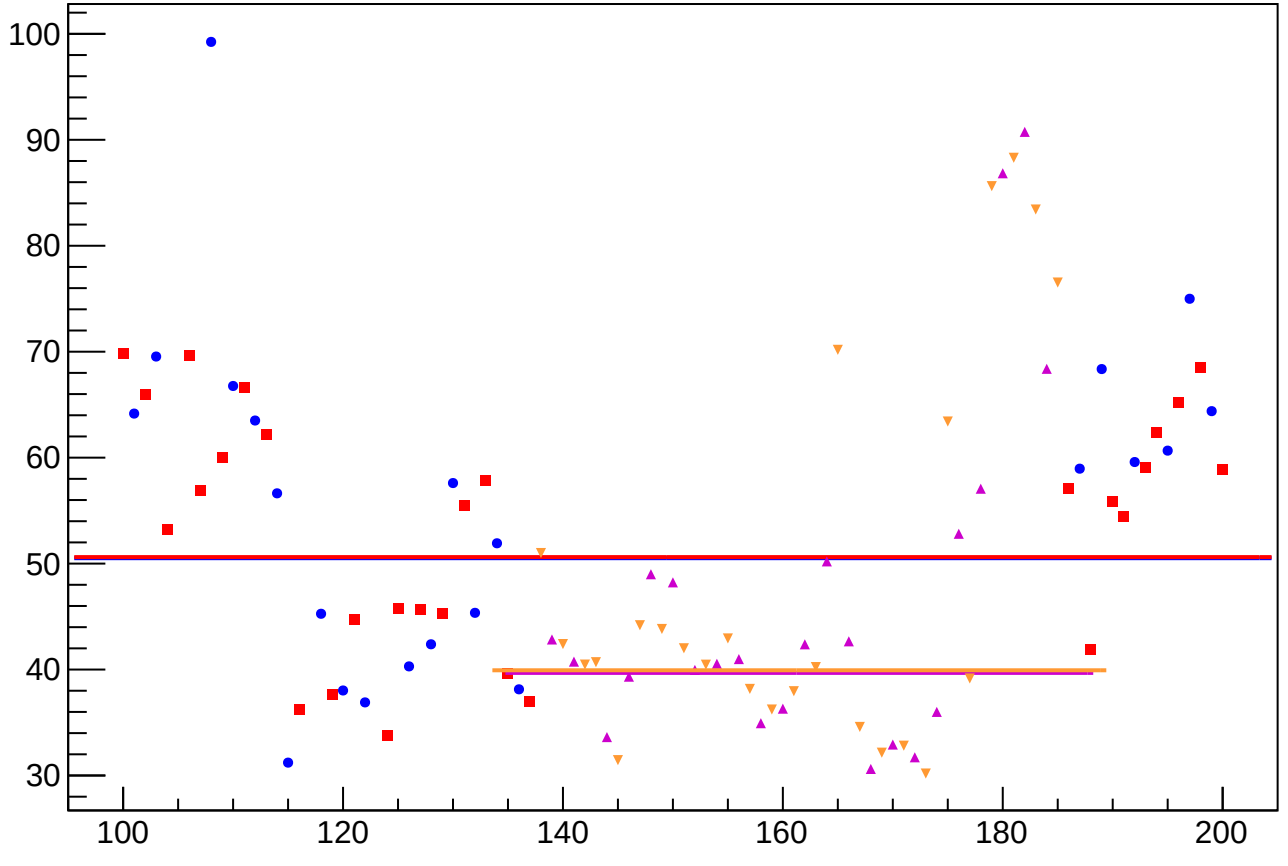
Right: 0.004+/-0.011 χ^2/NDF: 38.8/49

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 100.0/97

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

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

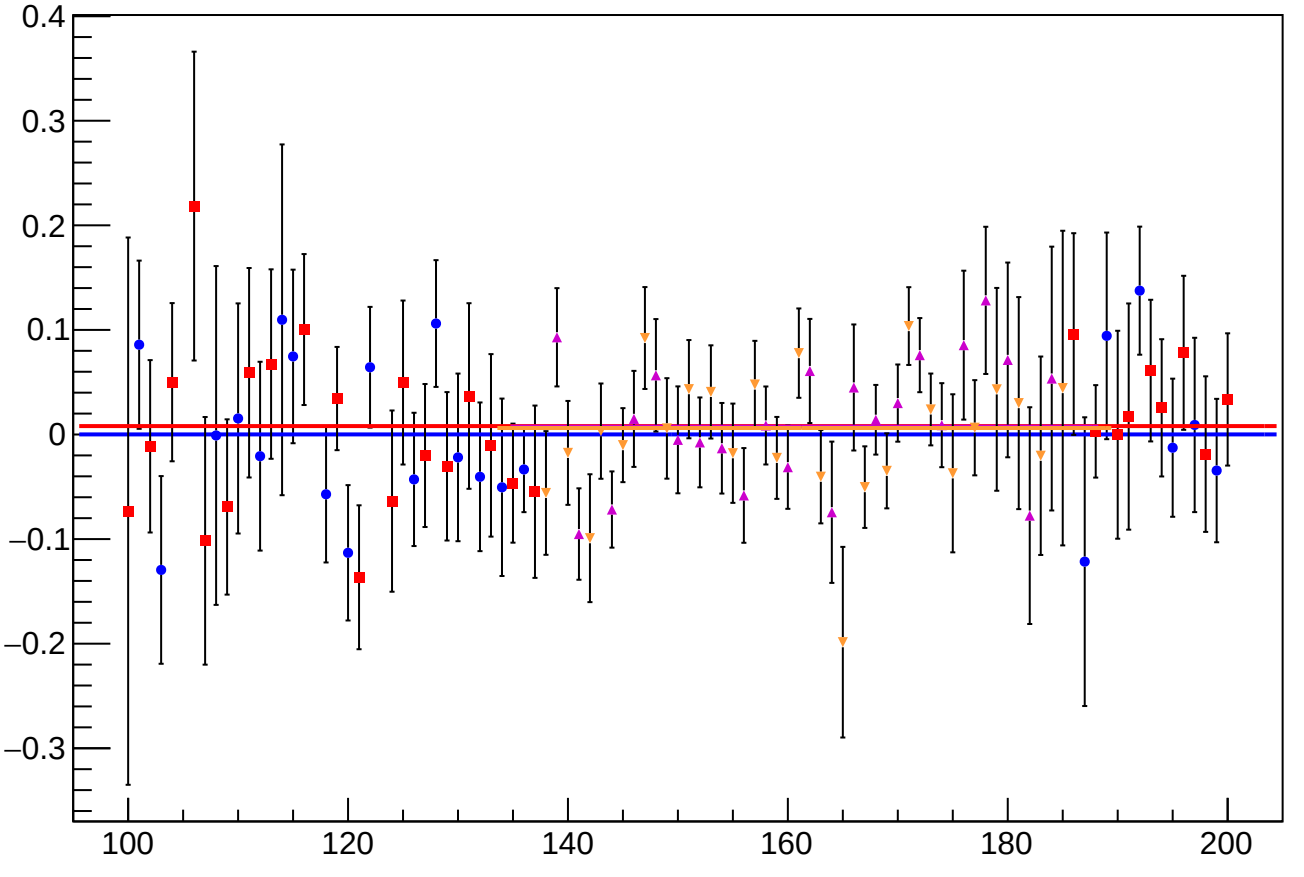
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.567+/-0.007 χ^2/NDF: 2573372.3/49

In: 42.731+/-0.006 χ^2/NDF:4045794.0/44

Out: 43.252+/-0.006 χ^2/NDF:4383788.0/52

All: 43.003+/-0.004 χ^2/NDF: 8433705.9/97



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

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

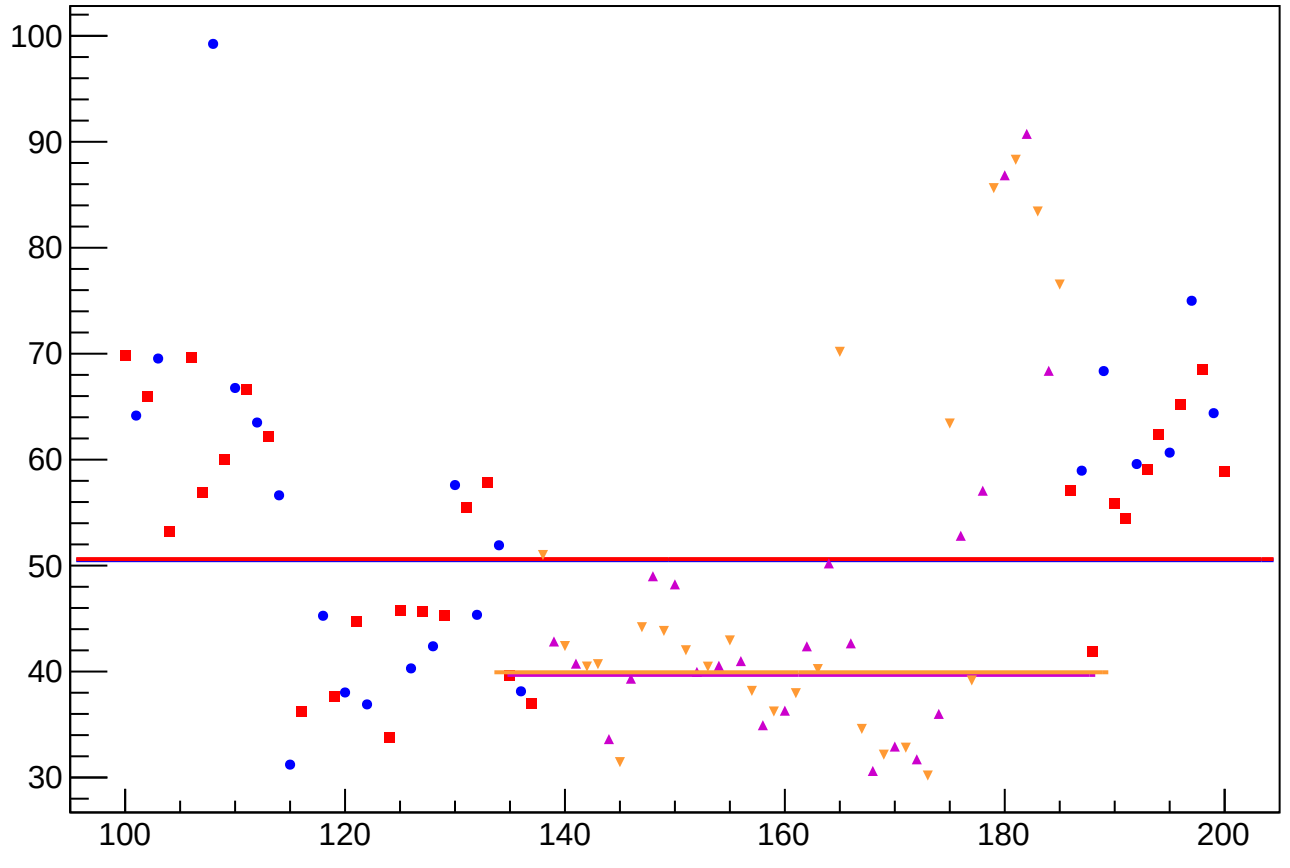
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.004+/-0.011 χ^2/NDF: 38.8/49

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 100.0/97



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

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

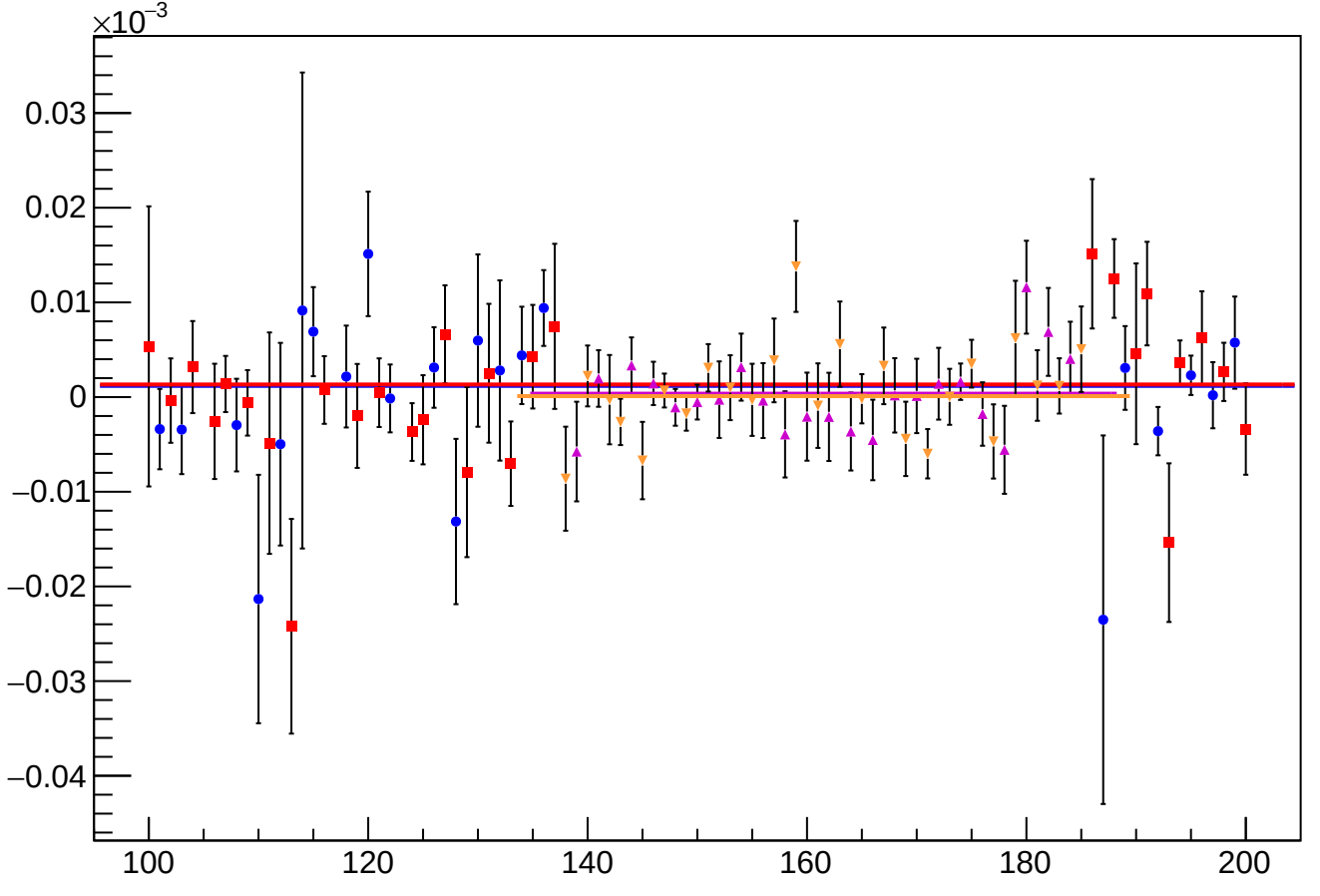
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.567+/-0.007 χ^2/NDF: 2573372.3/49

In: 42.731+/-0.006 χ^2/NDF:4045794.0/44

Out: 43.252+/-0.006 χ^2/NDF:4383788.0/52

All: 43.003+/-0.004 χ^2/NDF: 8433705.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/21

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

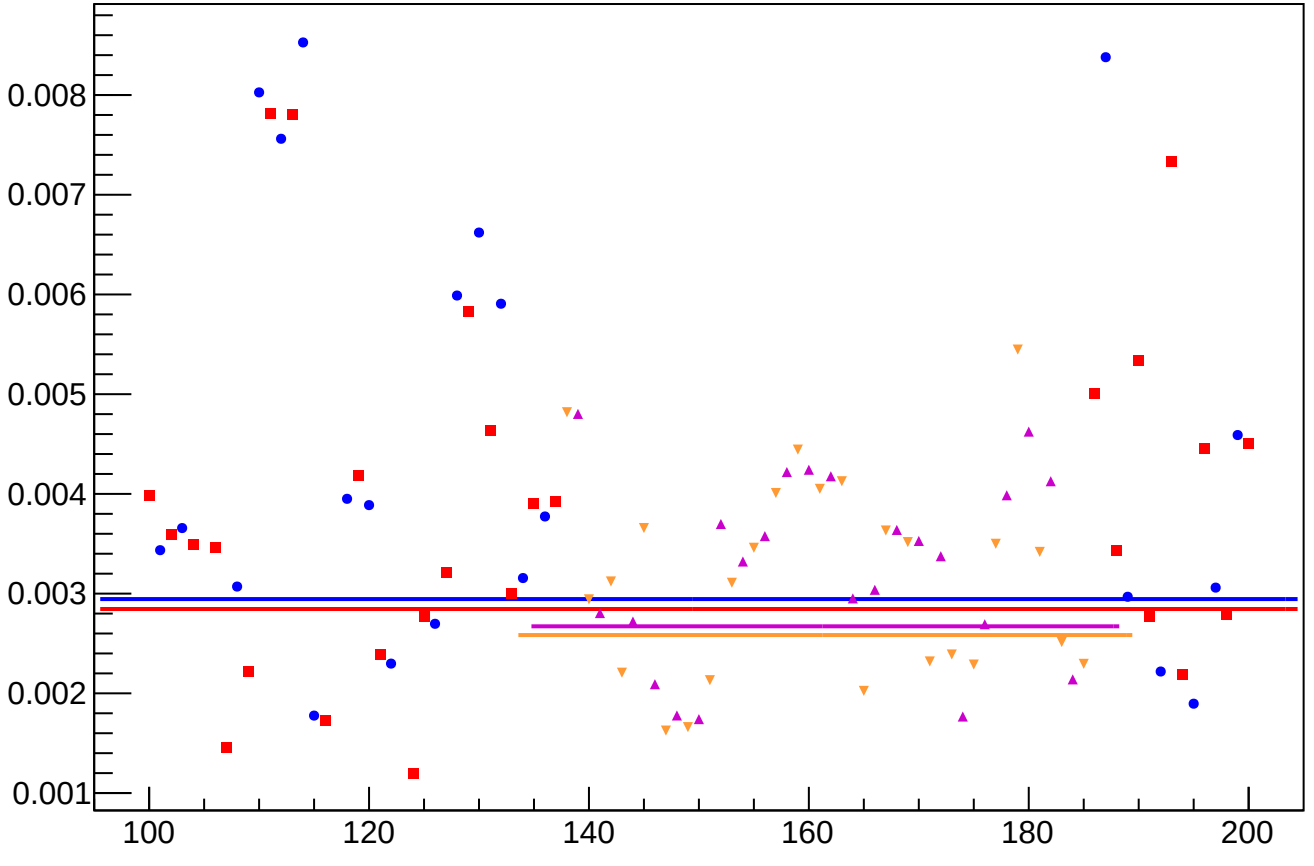
Right: 0.000+/-0.000 χ^2/NDF: 64.0/49

In: 0.000+/-0.000 χ^2/NDF:46.0/44

Out: 0.000+/-0.000 χ^2/NDF:71.8/52

All: 0.000+/-0.000 χ^2/NDF: 117.8/97

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3060208.3/21

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

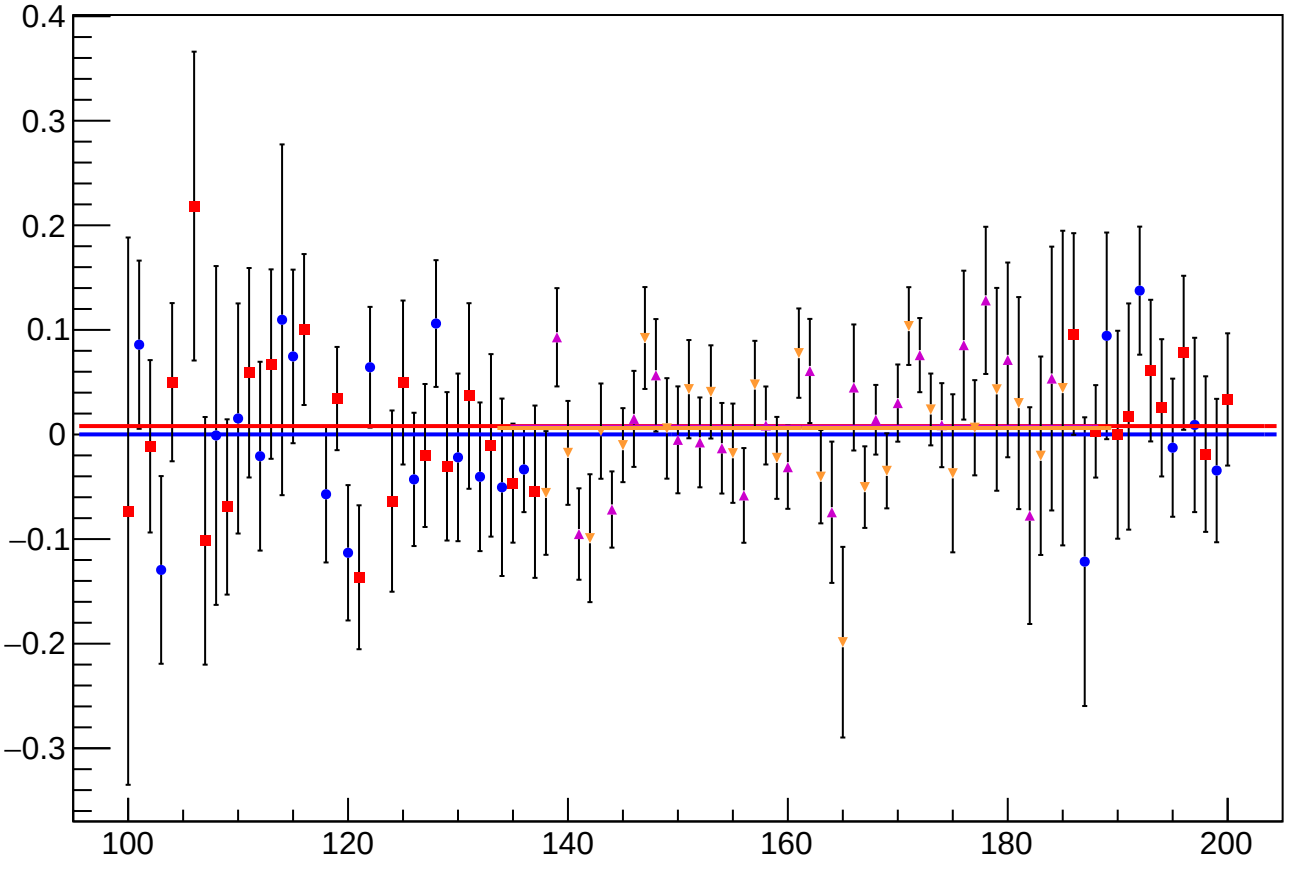
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 7344396.5/49

In: 0.003+/-0.000 χ^2/NDF:6995450.4/44

Out: 0.003+/-0.000 χ^2/NDF:8285402.2/52

All: 0.003+/-0.000 χ^2/NDF: 15307983.9/97



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

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

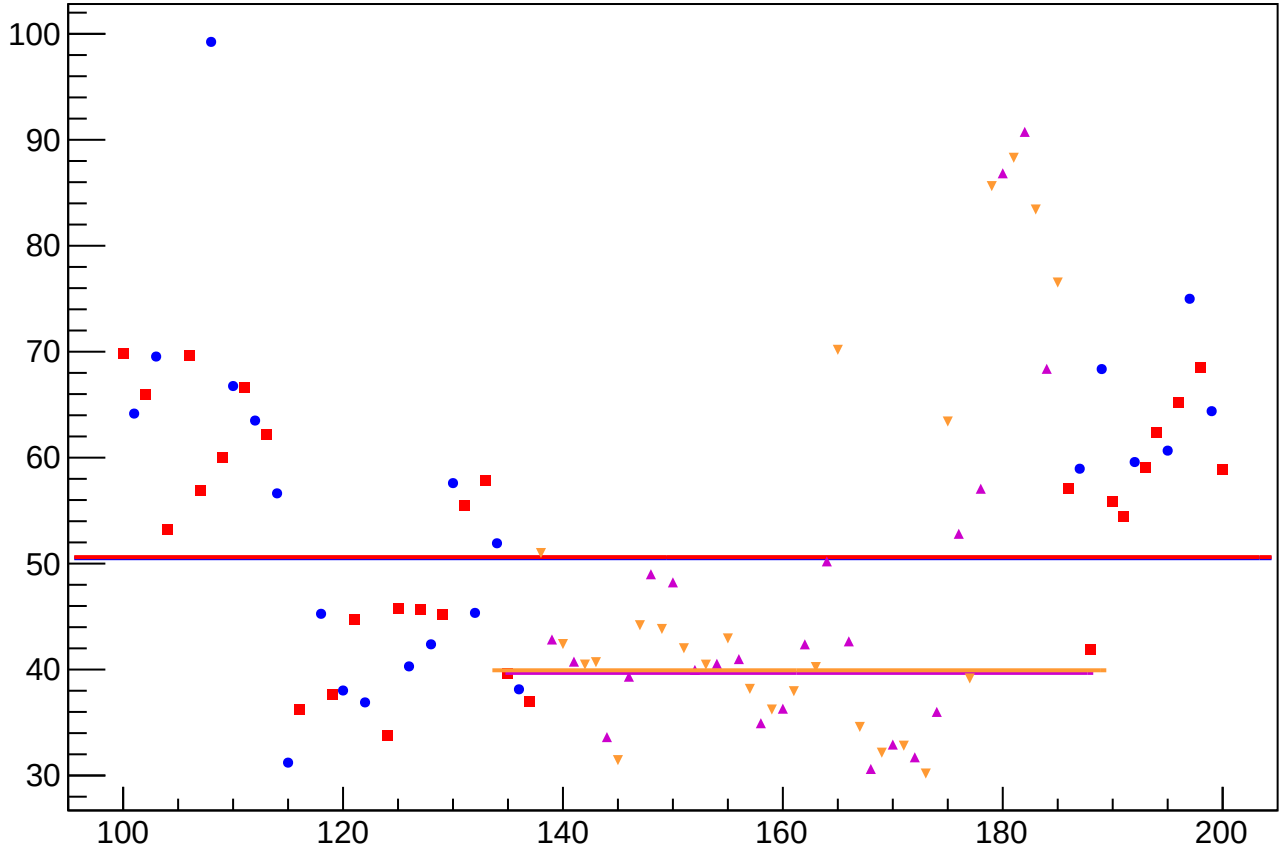
Right: 0.004+/-0.011 χ^2/NDF: 38.8/49

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 100.0/97

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

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

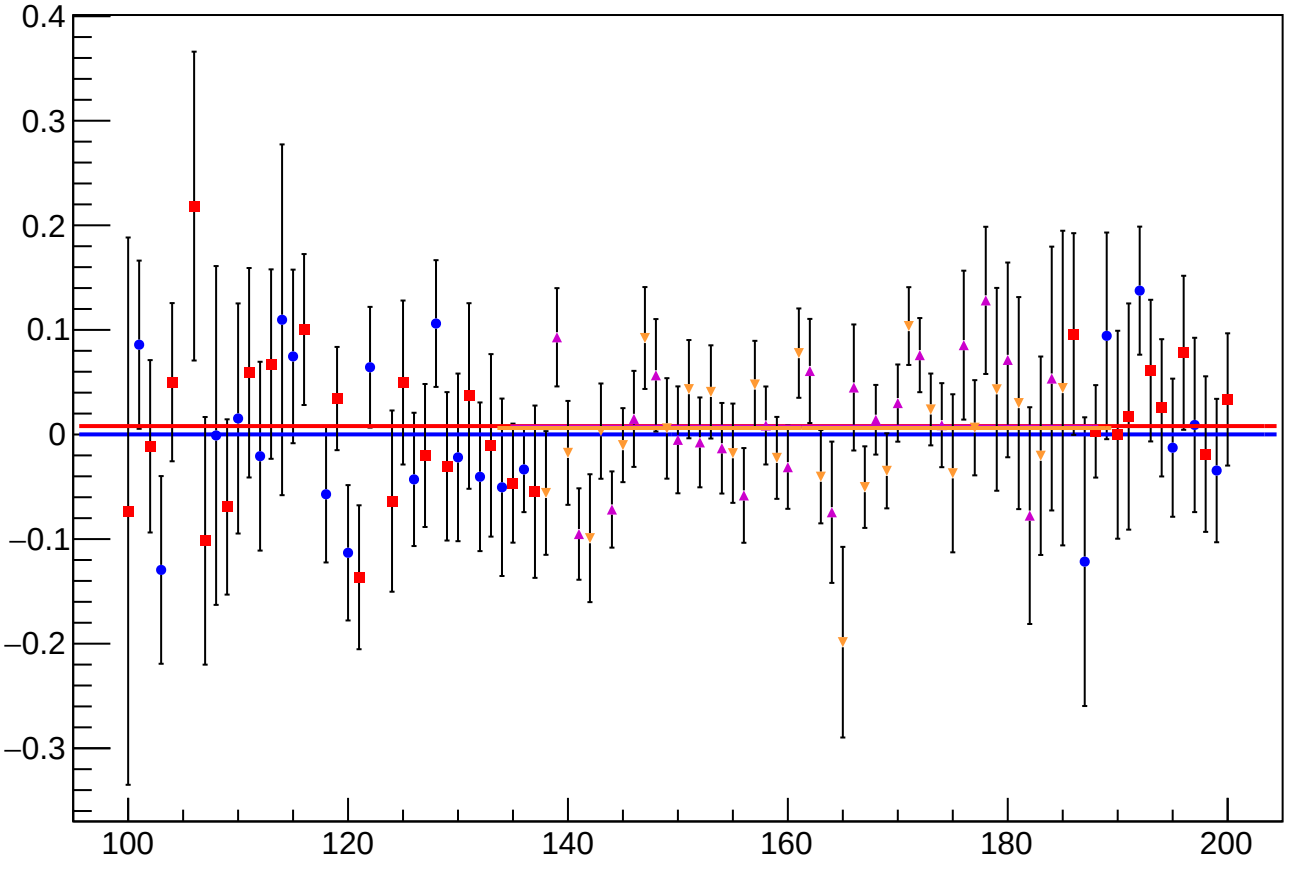
Right: 50.566+/-0.007 χ^2/NDF: 2573425.9/49

In: 42.731+/-0.006 χ^2/NDF:4045729.3/44

Out: 43.252+/-0.006 χ^2/NDF:4383729.3/52

All: 43.002+/-0.004 χ^2/NDF: 8433588.1/97

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

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

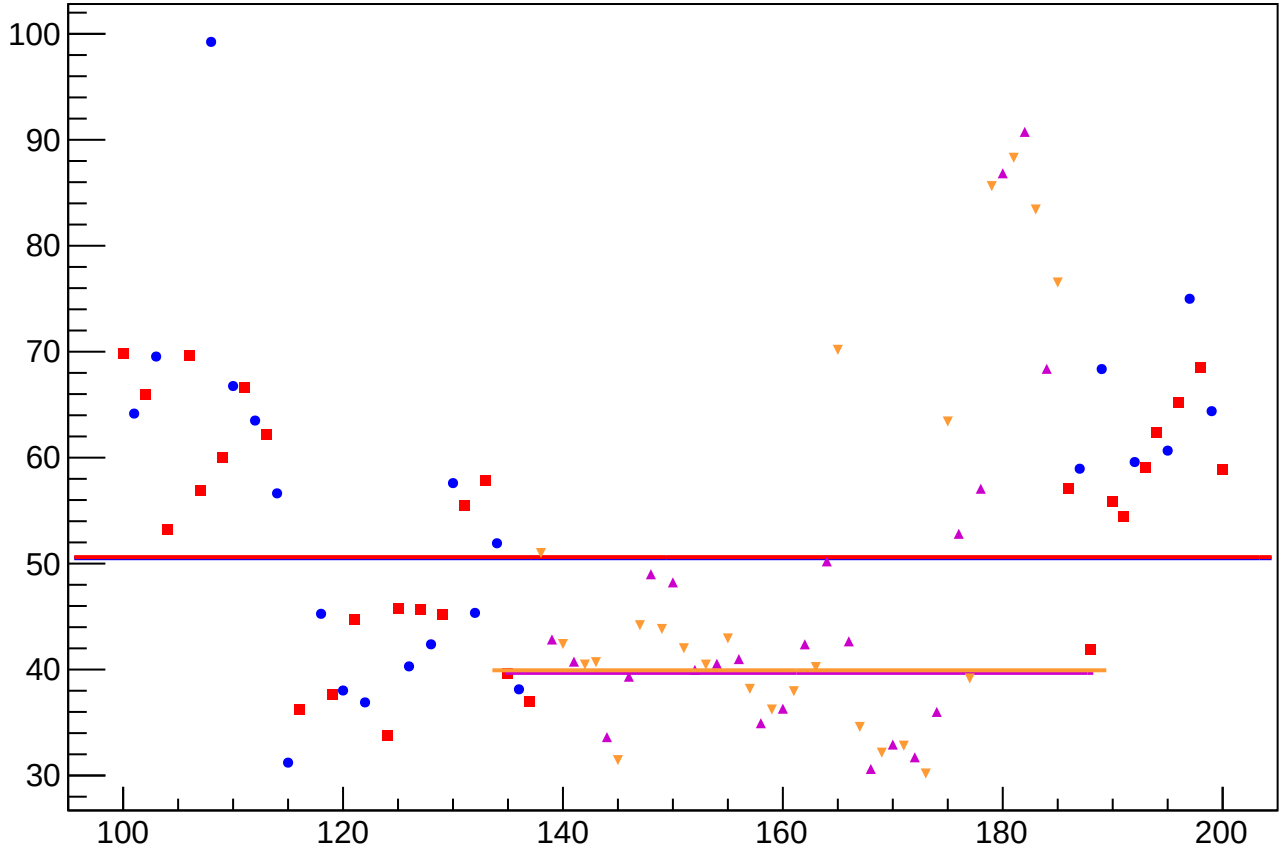
Right: 0.004+/-0.011 χ^2/NDF: 38.8/49

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.007+/-0.008 χ^2/NDF:47.9/52

All: 0.006+/-0.006 χ^2/NDF: 100.0/97

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

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

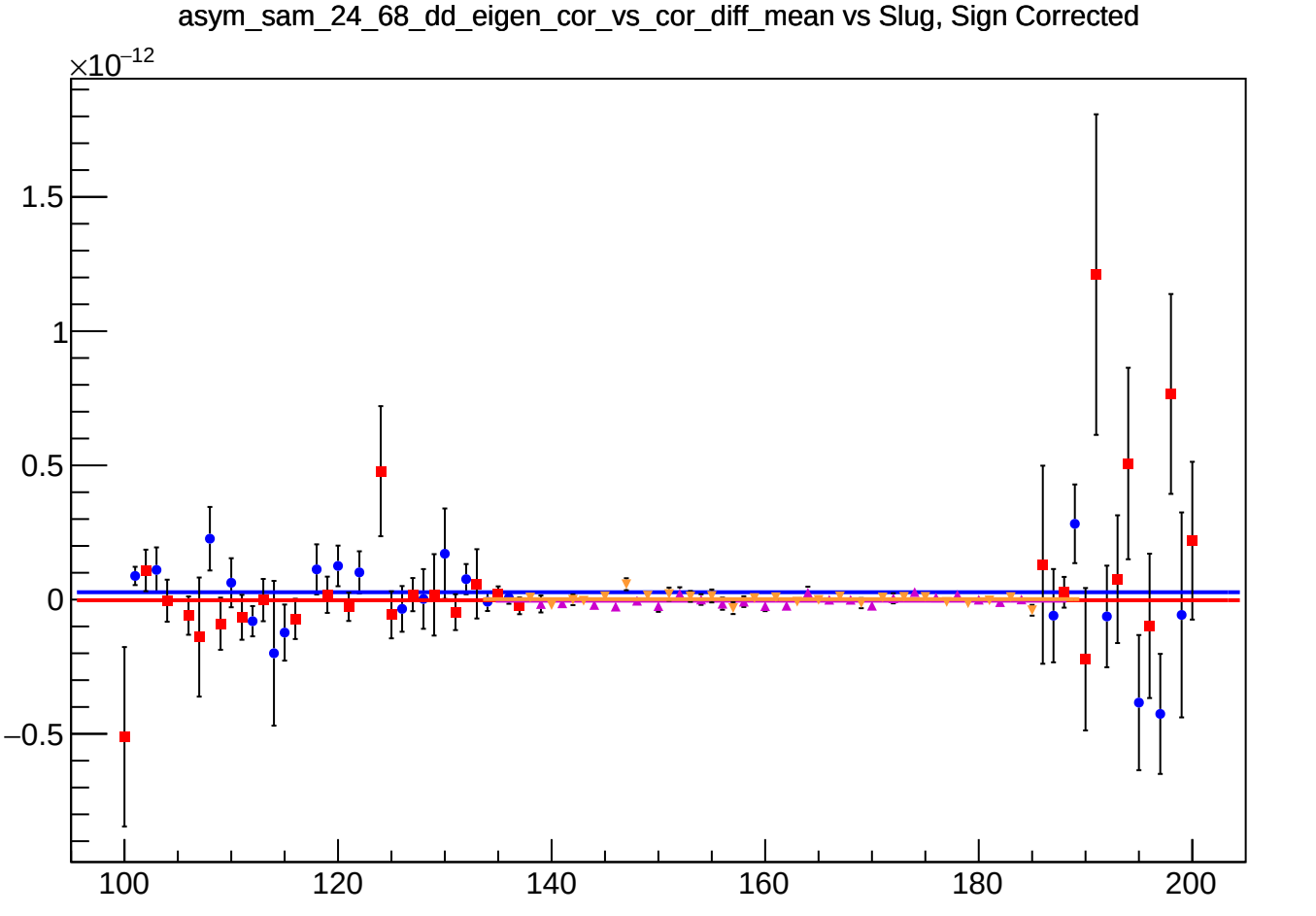
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.566+/-0.007 χ^2/NDF: 2573425.9/49

In: 42.731+/-0.006 χ^2/NDF:4045729.3/44

Out: 43.252+/-0.006 χ^2/NDF:4383729.3/52

All: 43.002+/-0.004 χ^2/NDF: 8433588.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/21

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

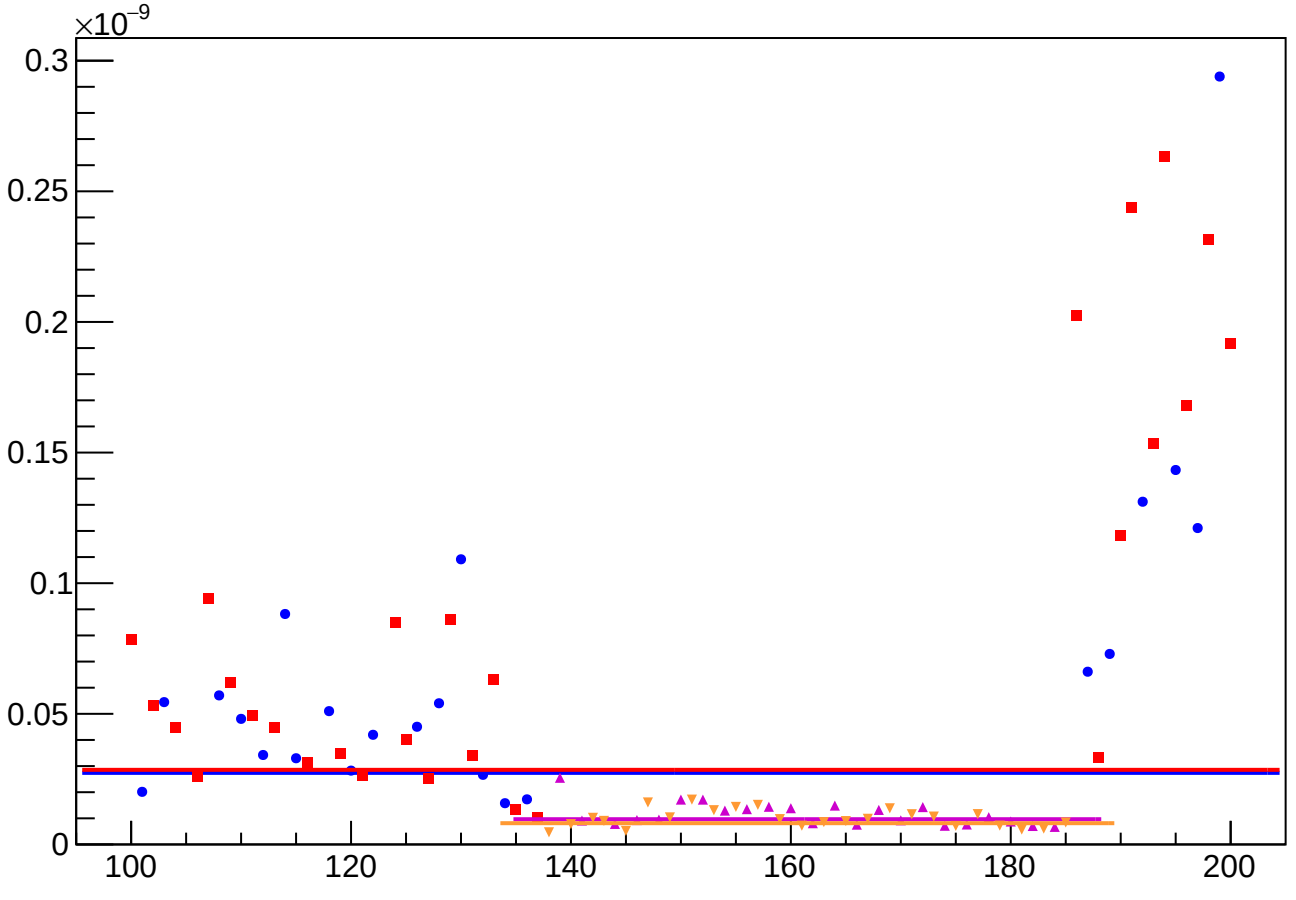
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 60.3/49

In: -0.000+/-0.000 χ^2/NDF:64.0/44

Out: 0.000+/-0.000 χ^2/NDF:54.7/52

All: -0.000+/-0.000 χ^2/NDF: 119.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 4813572.7/21

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

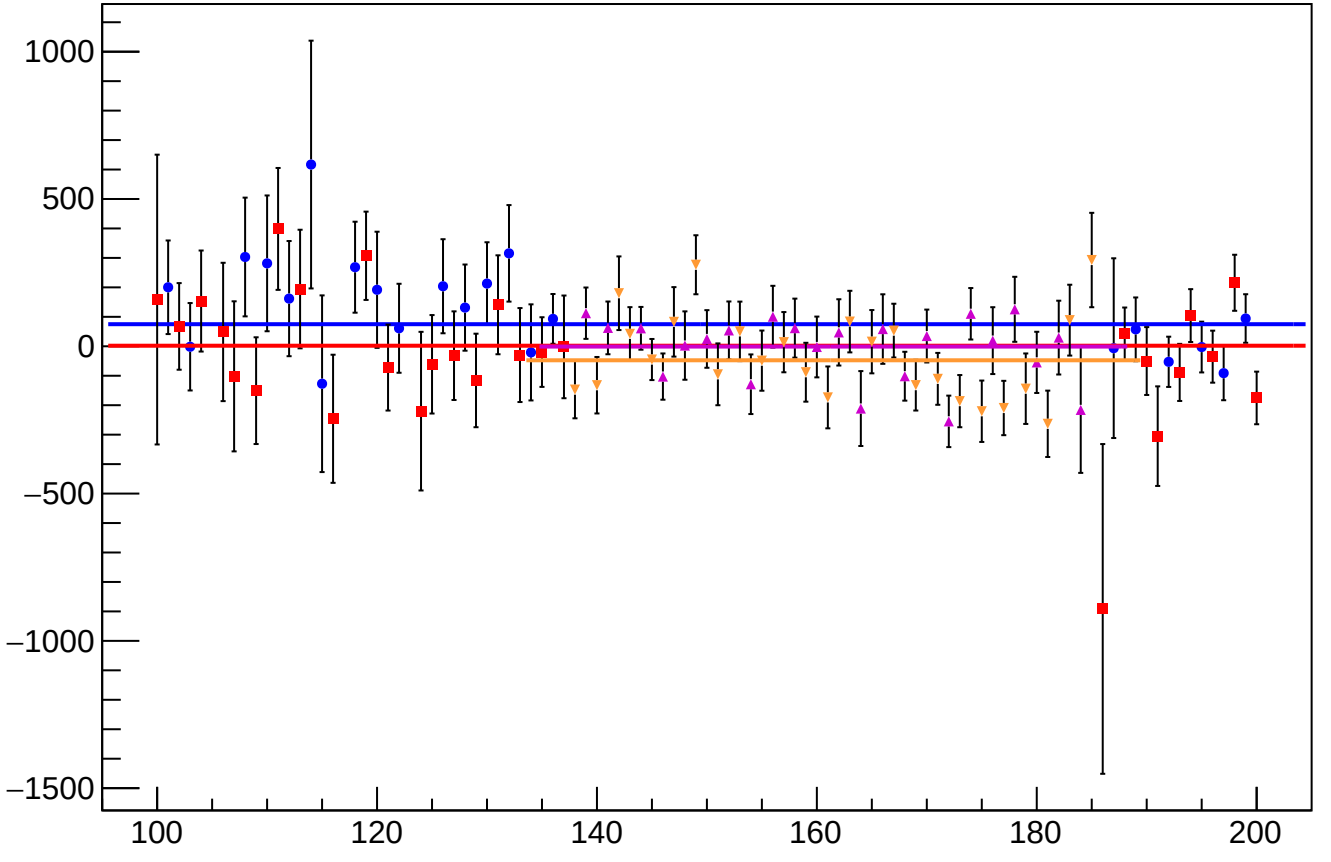
Right: 0.000+/-0.000 χ^2/NDF: 11806669.2/49

In: 0.000+/-0.000 χ^2/NDF:10281909.8/44

Out: 0.000+/-0.000 χ^2/NDF:13570088.7/52

All: 0.000+/-0.000 χ^2/NDF: 24234393.5/97

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 74.984+/-28.073 χ^2/NDF: 18.0/21

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

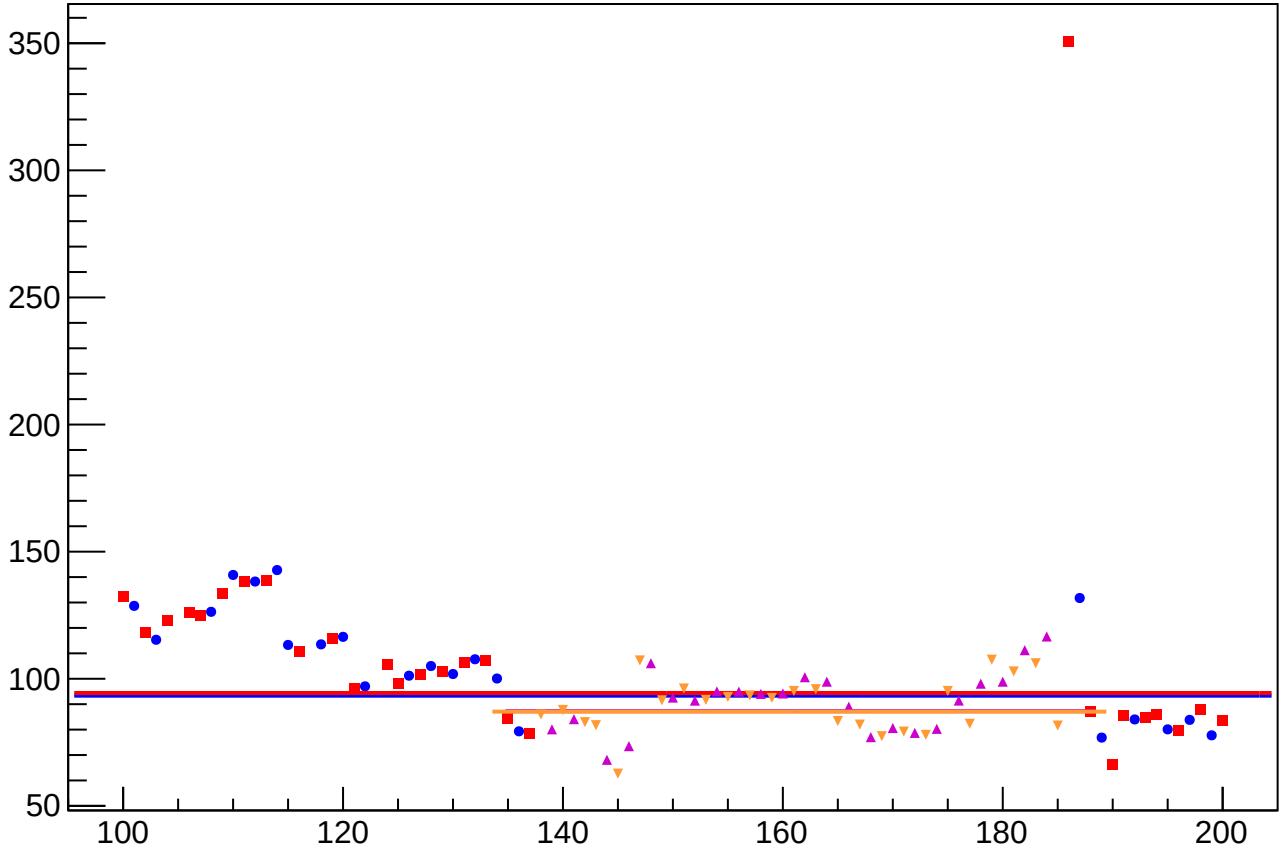
Right: 35.956+/-19.159 χ^2/NDF: 53.7/49

In: 25.610+/-16.610 χ^2/NDF:48.2/44

Out: -29.347+/-15.892 χ^2/NDF:78.3/52

All: -3.083+/-11.483 χ^2/NDF: 132.2/97

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 93.349+/-0.020 χ^2/NDF: 827726.8/21

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

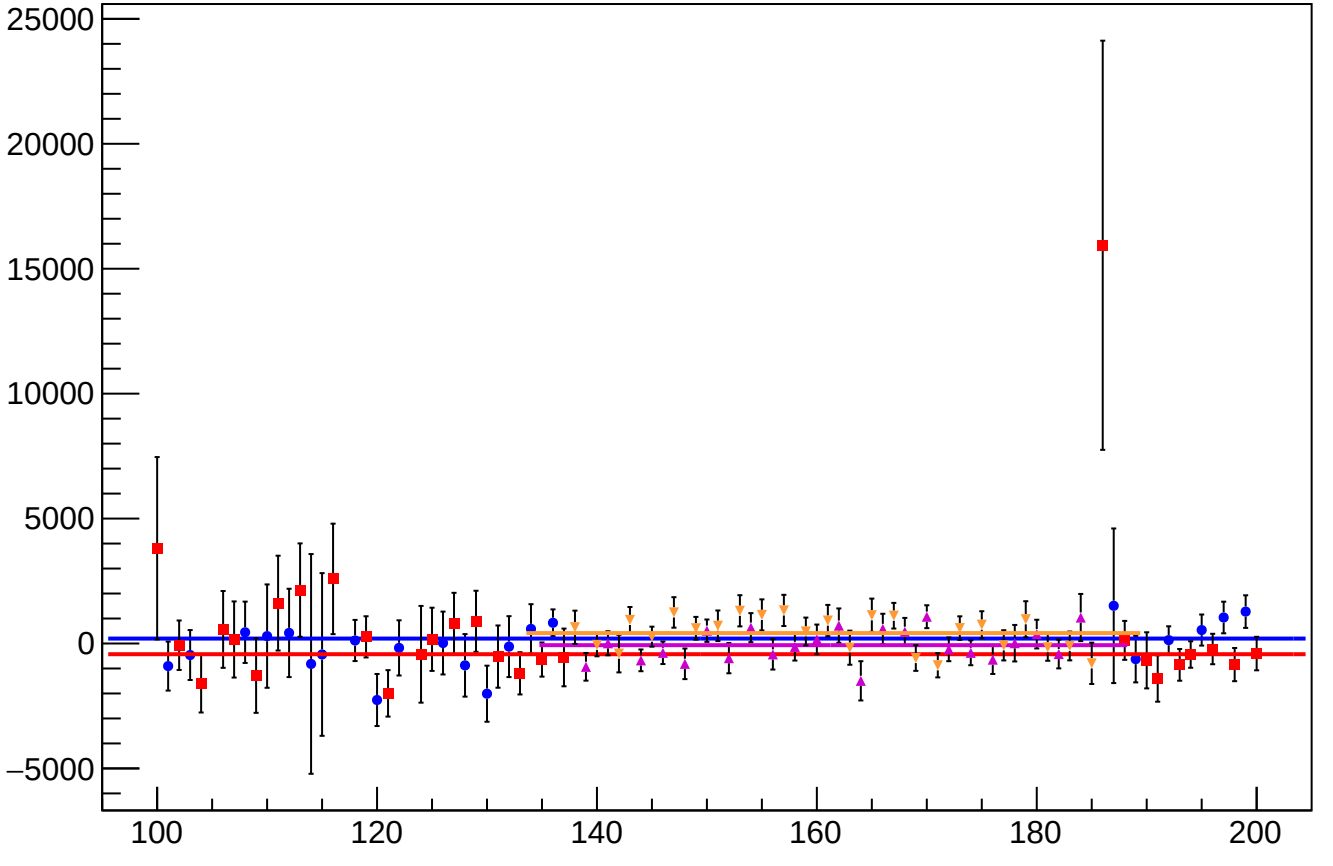
Right: 93.915+/-0.014 χ^2/NDF: 2108590.2/49

In: 89.390+/-0.012 χ^2/NDF:1484748.8/44

Out: 89.768+/-0.011 χ^2/NDF:1999037.3/52

All: 89.587+/-0.008 χ^2/NDF: 3484328.1/97

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 197.233+/-196.832 χ^2/NDF: 19.6/21

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

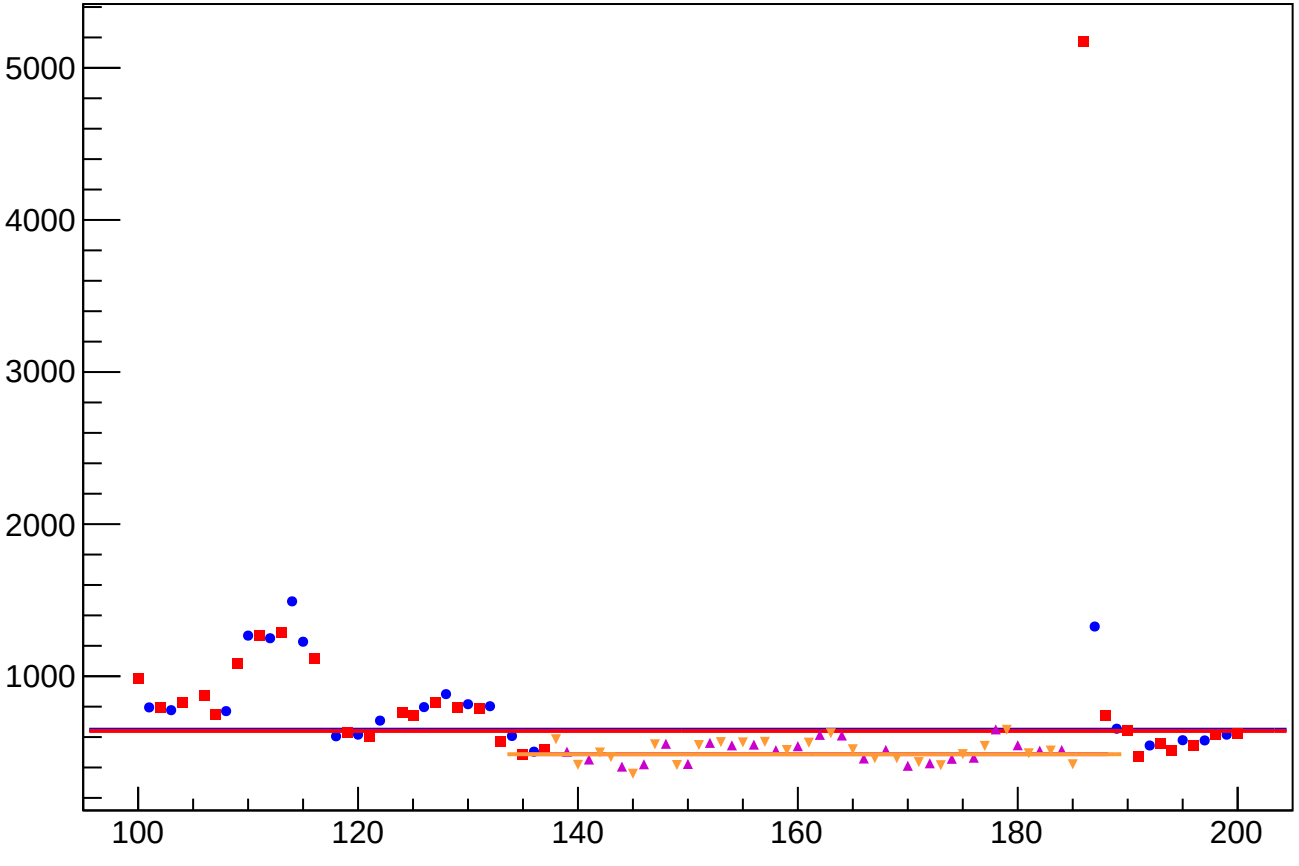
Right: -142.067+/-133.214 χ^2/NDF: 46.8/49

In: 0.850+/-99.564 χ^2/NDF:48.4/44

Out: 181.289+/-95.441 χ^2/NDF:70.0/52

All: 94.883+/-68.898 χ^2/NDF: 120.1/97

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 648.271+/-0.139 χ^2/NDF: 1202241.5/21

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

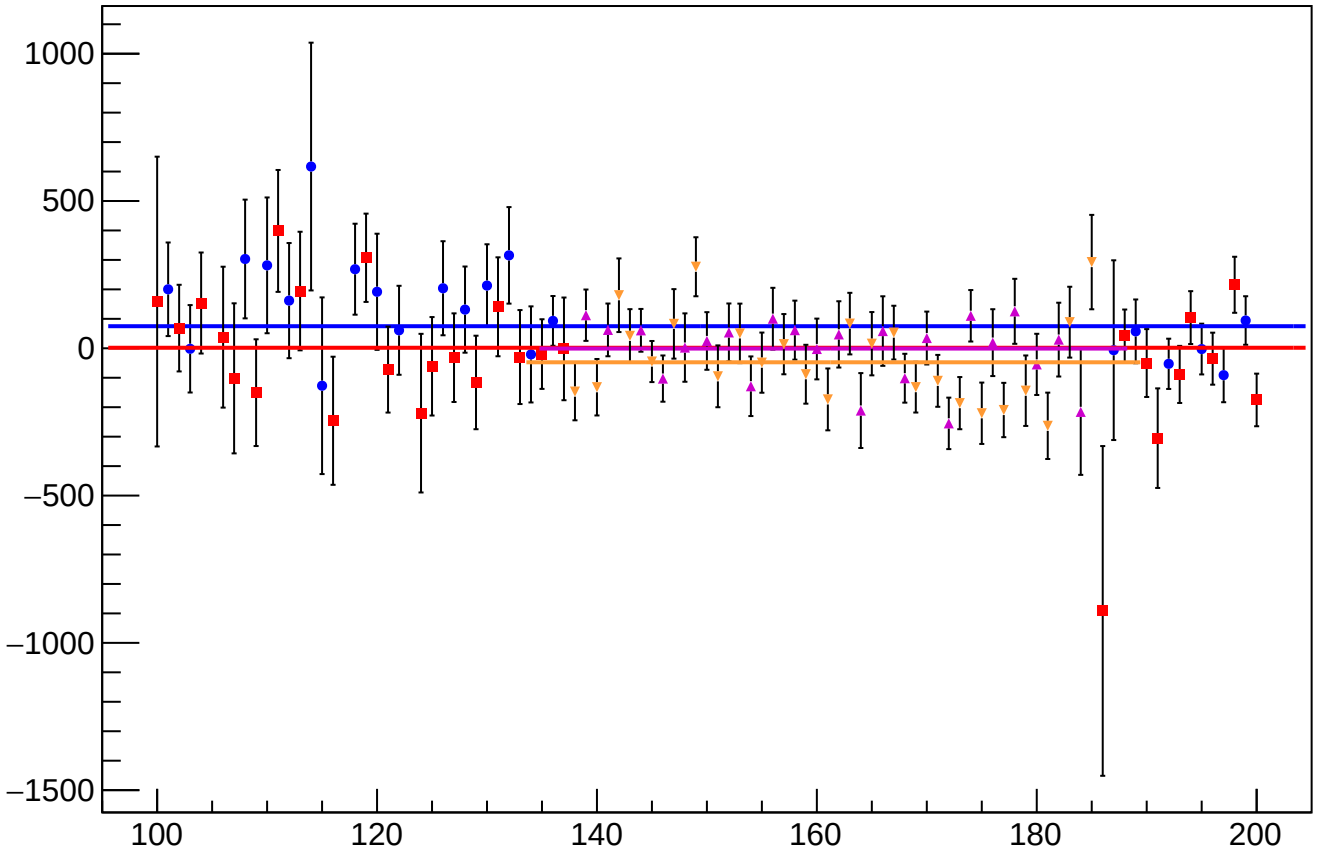
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 643.972+/-0.094 χ^2/NDF: 3299462.6/49

In: 528.956+/-0.070 χ^2/NDF:2824108.6/44

Out: 529.714+/-0.067 χ^2/NDF:3952267.3/52

All: 529.351+/-0.049 χ^2/NDF: 6776436.3/97



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

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

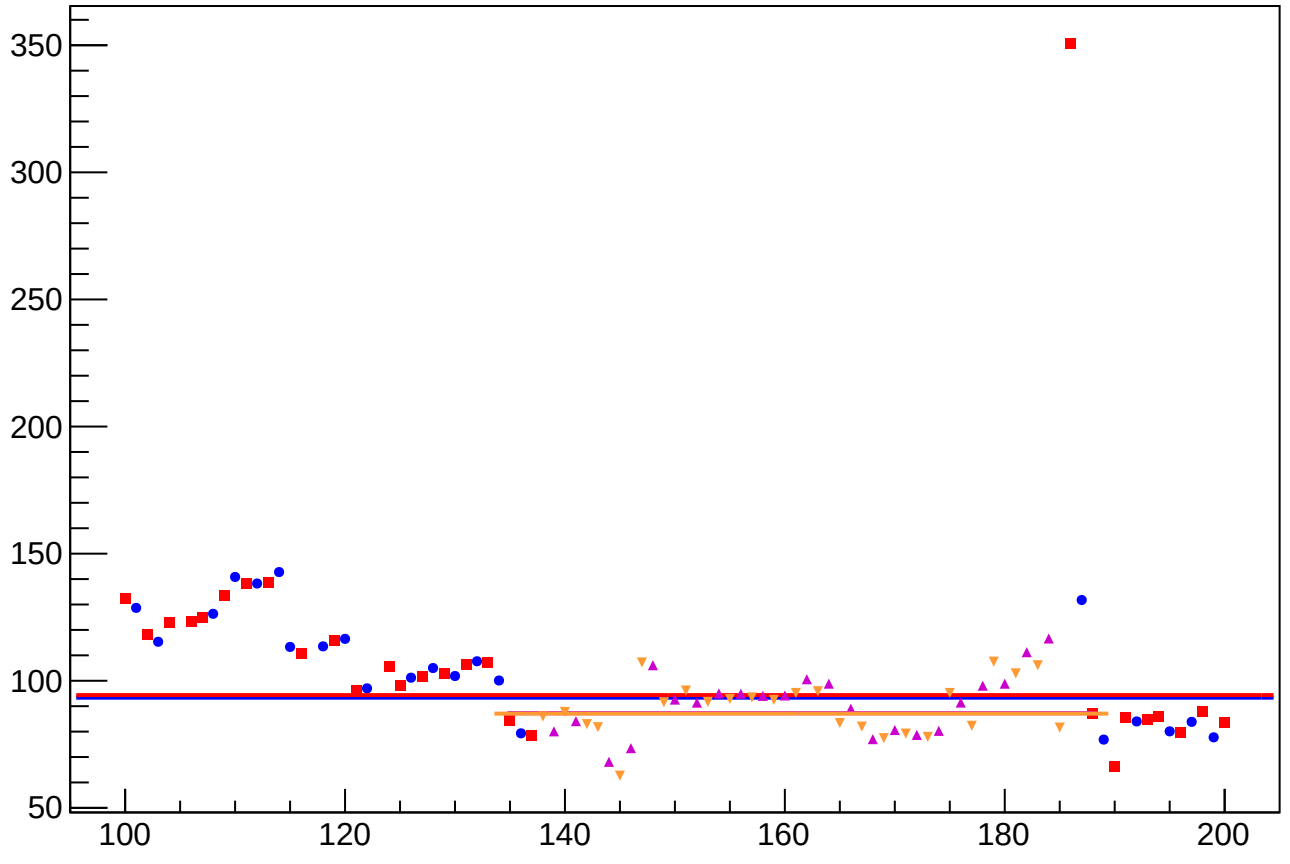
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 35.896+/-19.161 χ^2/NDF: 53.7/49

In: 25.605+/-16.610 χ^2/NDF:48.2/44

Out: -29.402+/-15.893 χ^2/NDF:78.3/52

All: -3.111+/-11.483 χ^2/NDF: 132.2/97



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

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

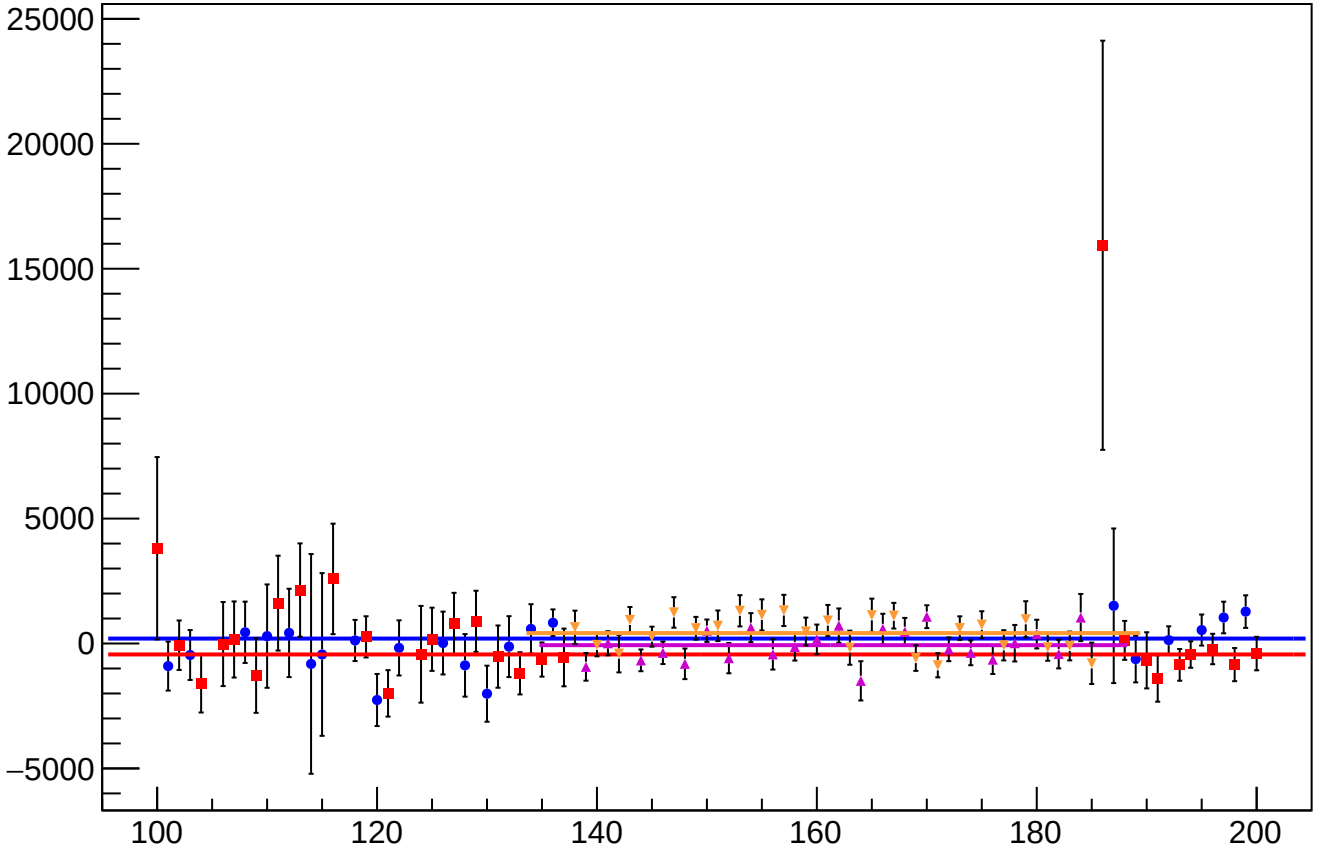
Right: 93.889+/-0.014 χ^2/NDF: 2101274.4/49

In: 89.390+/-0.012 χ^2/NDF:1484749.2/44

Out: 89.750+/-0.011 χ^2/NDF:1990542.9/52

All: 89.578+/-0.008 χ^2/NDF: 3475782.8/97

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

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

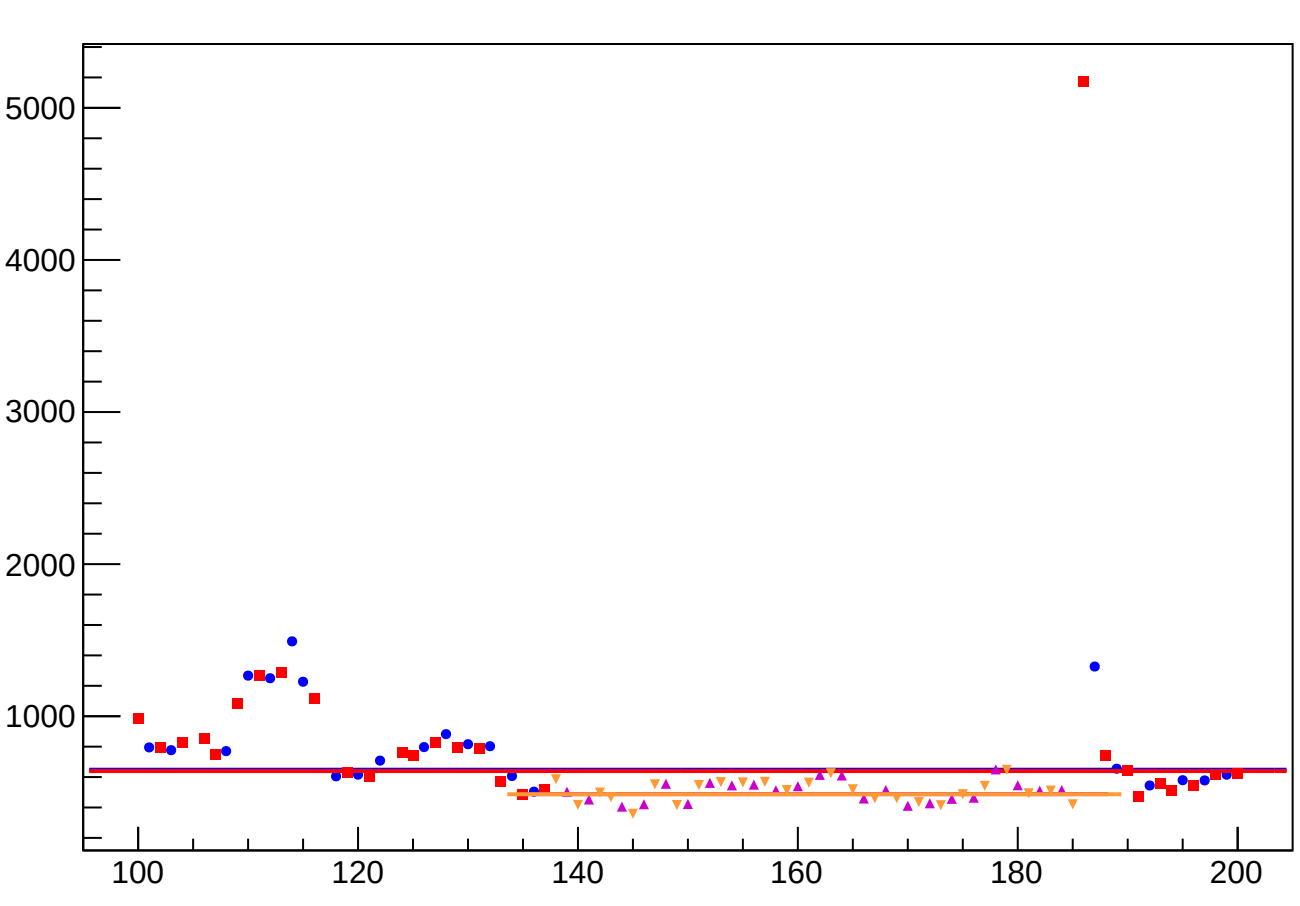
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -146.604+/-133.298 χ^2/NDF: 46.6/49

In: 0.851+/-99.564 χ^2/NDF:48.4/44

Out: 179.165+/-95.472 χ^2/NDF:69.9/52

All: 93.748+/-68.910 χ^2/NDF: 120.0/97



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

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

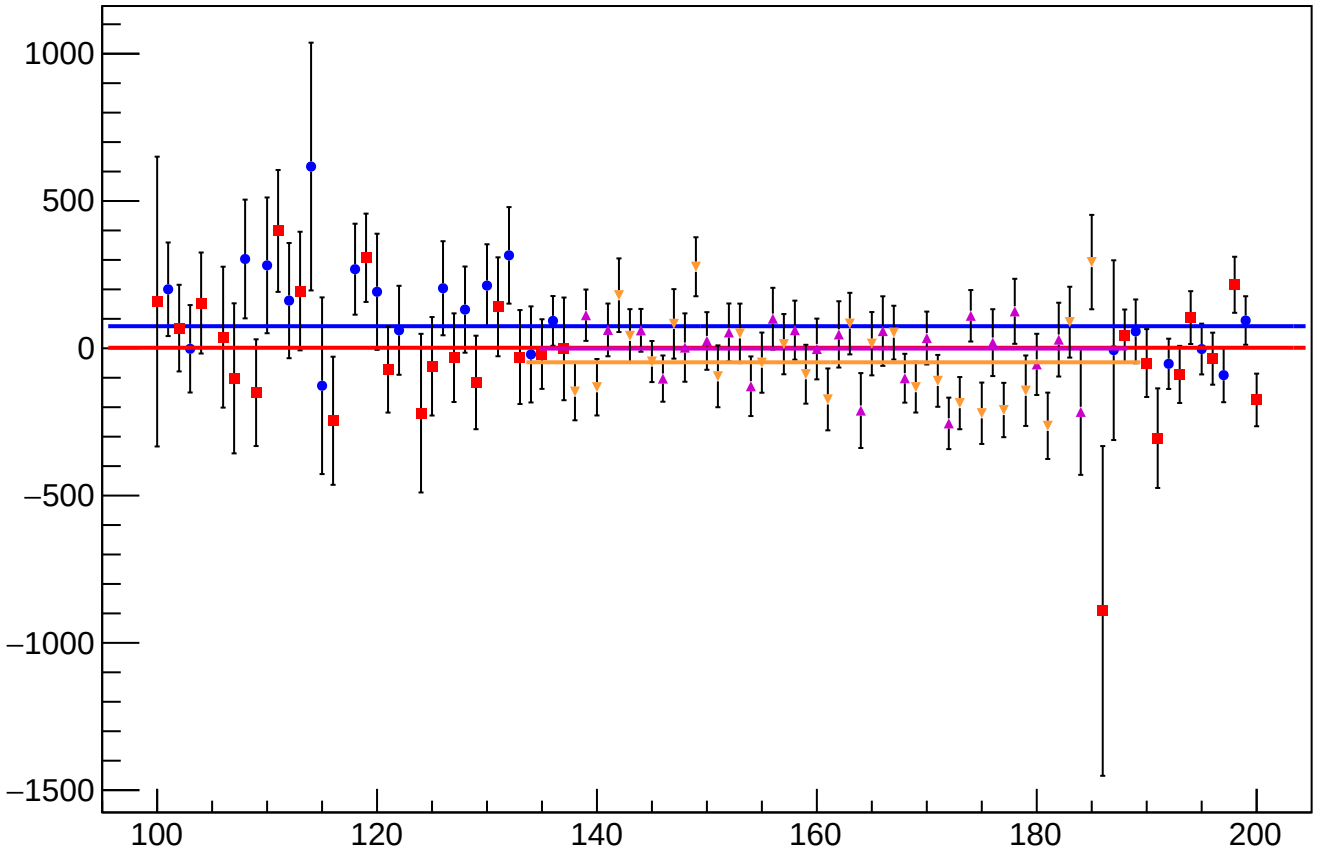
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 643.563+/-0.094 χ^2/NDF: 3285951.4/49

In: 528.956+/-0.070 χ^2/NDF:2824124.3/44

Out: 529.430+/-0.068 χ^2/NDF:3926354.6/52

All: 529.203+/-0.049 χ^2/NDF: 6750502.5/97



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

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

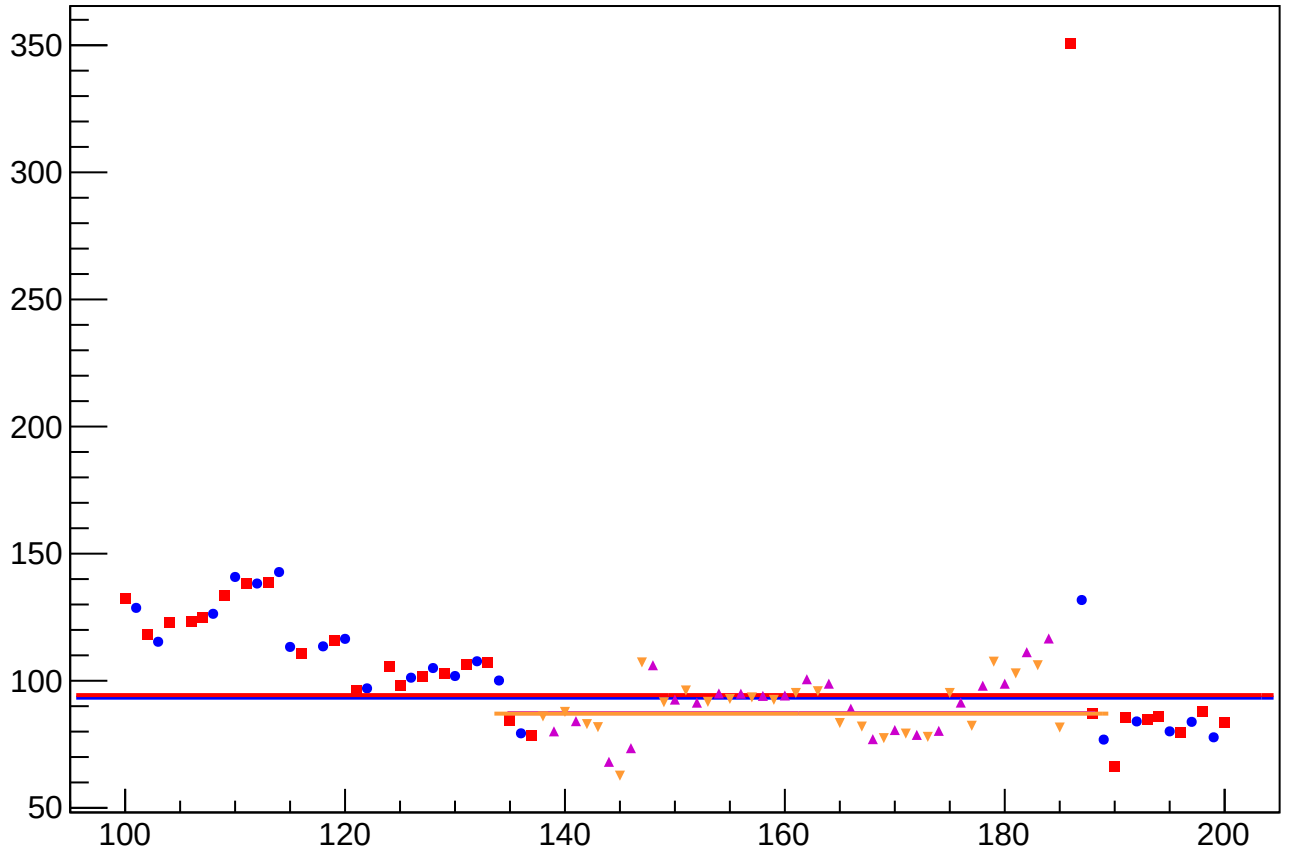
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 35.896+/-19.161 χ^2/NDF: 53.7/49

In: 25.605+/-16.610 χ^2/NDF:48.2/44

Out: -29.402+/-15.893 χ^2/NDF:78.3/52

All: -3.111+/-11.483 χ^2/NDF: 132.2/97



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

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

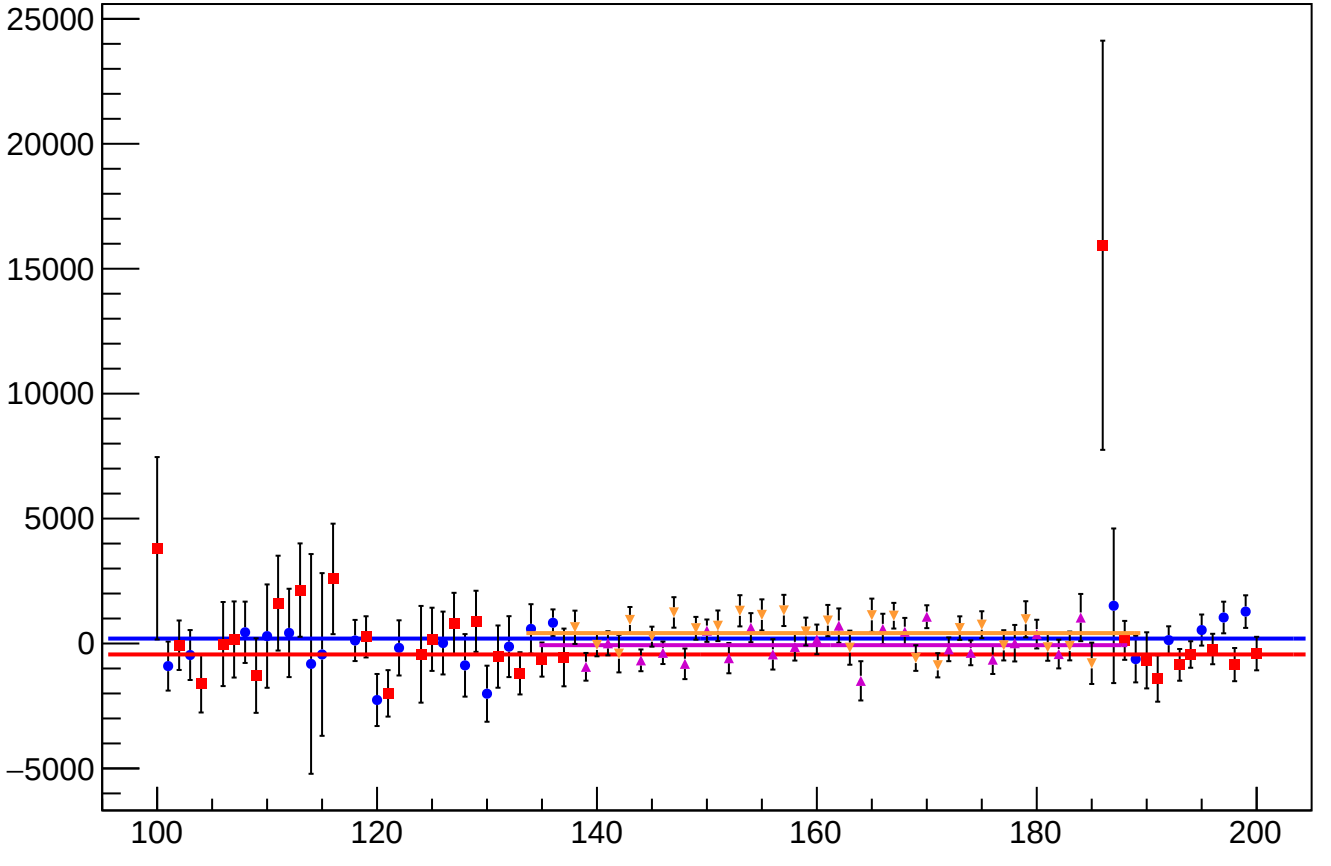
Right: 93.889+/-0.014 χ^2/NDF: 2101274.4/49

In: 89.390+/-0.012 χ^2/NDF:1484749.2/44

Out: 89.750+/-0.011 χ^2/NDF:1990542.9/52

All: 89.578+/-0.008 χ^2/NDF: 3475782.8/97

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

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

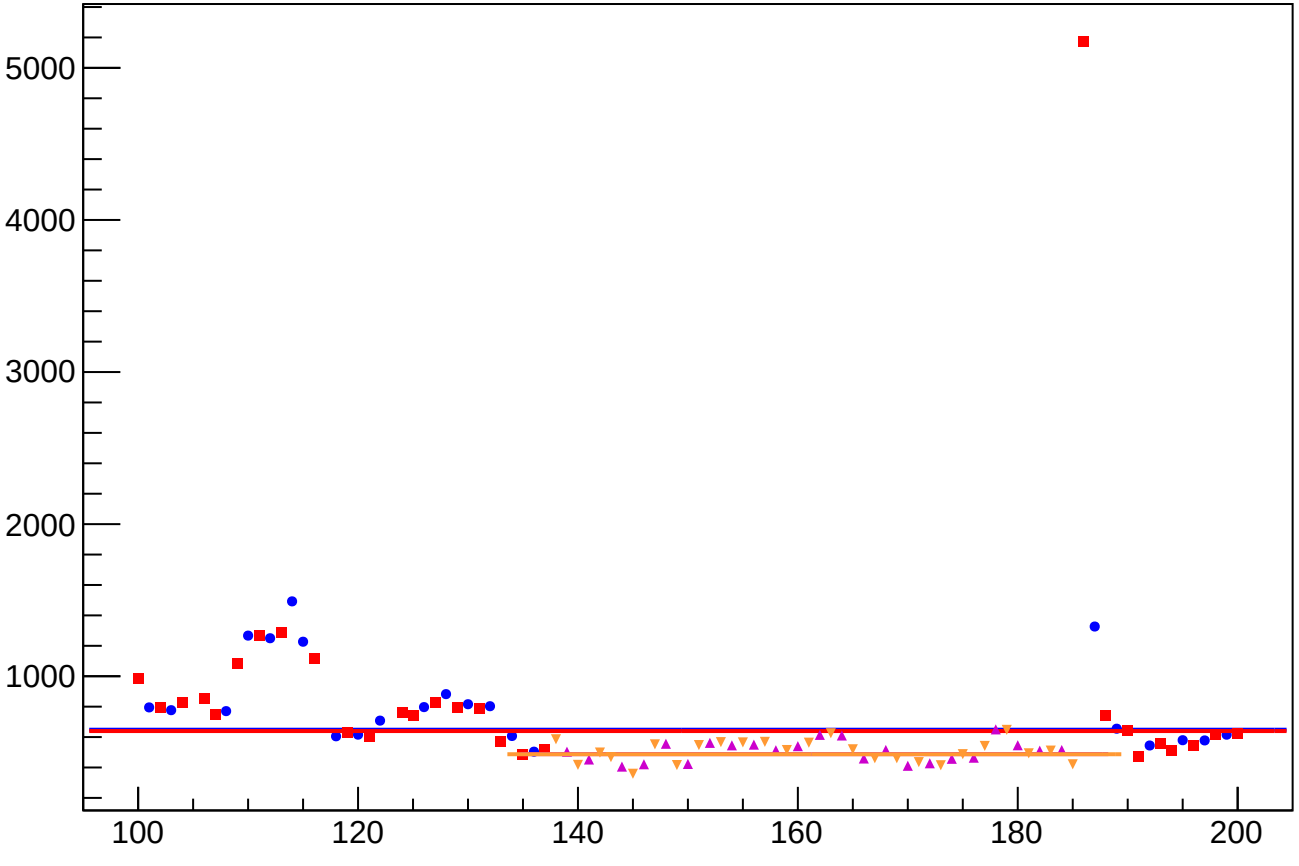
Right: -146.604+/-133.298 χ^2/NDF: 46.6/49

In: 0.851+/-99.564 χ^2/NDF:48.4/44

Out: 179.165+/-95.472 χ^2/NDF:69.9/52

All: 93.748+/-68.910 χ^2/NDF: 120.0/97

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

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

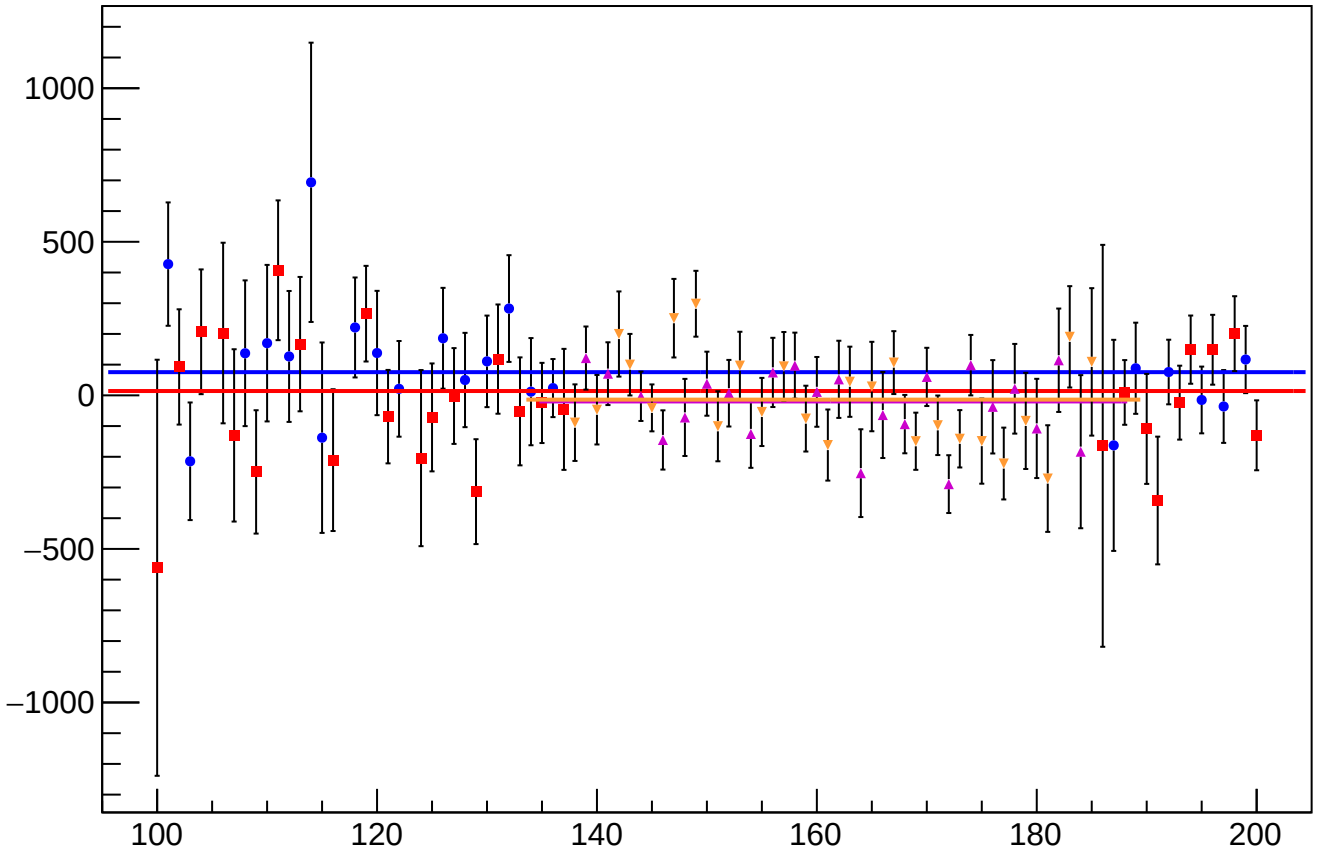
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 643.563+/-0.094 χ^2/NDF: 3285951.4/49

In: 528.956+/-0.070 χ^2/NDF:2824124.3/44

Out: 529.430+/-0.068 χ^2/NDF:3926354.6/52

All: 529.203+/-0.049 χ^2/NDF: 6750502.5/97



Right In: 75.551+/-33.117 χ^2/NDF: 13.6/21

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

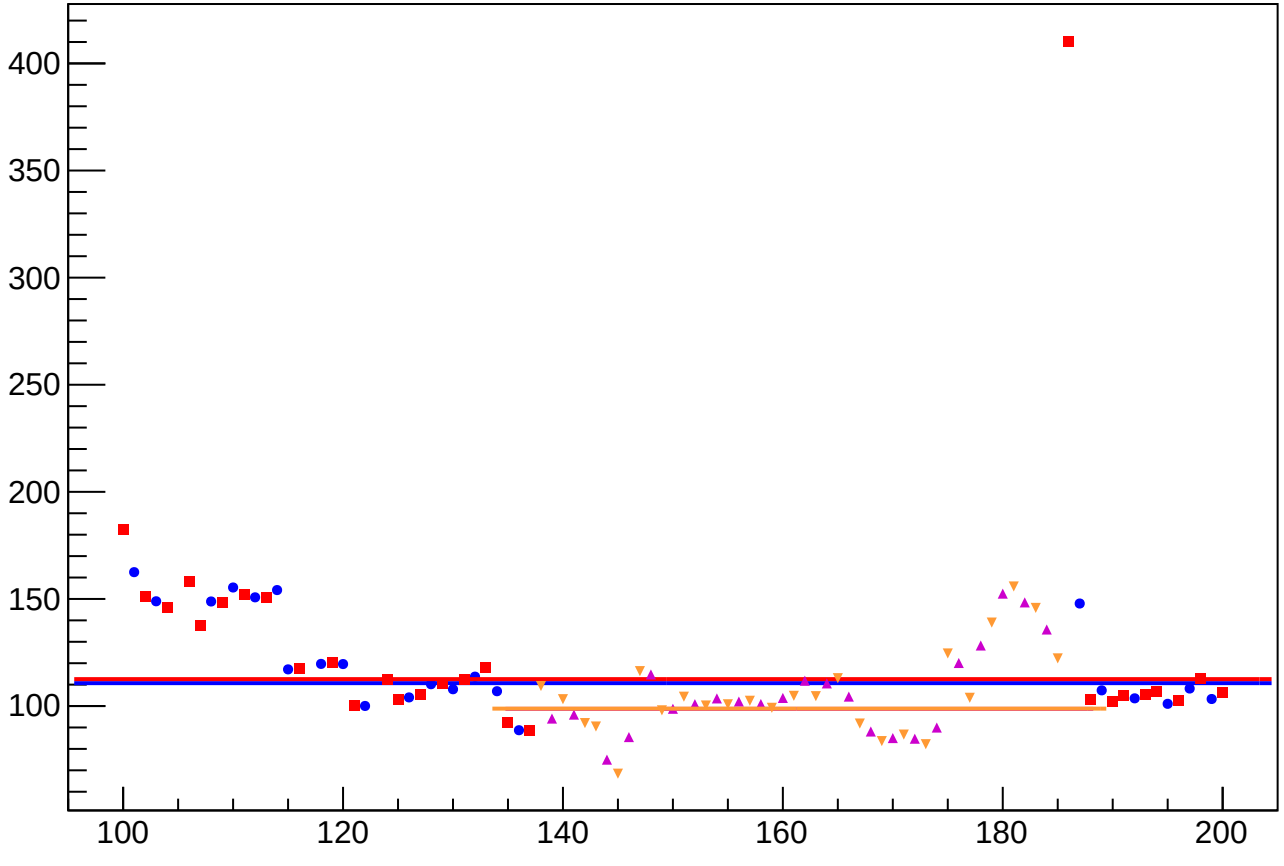
Right: 42.892+/-22.668 χ^2/NDF: 42.5/49

In: 12.259+/-19.204 χ^2/NDF:42.4/44

Out: -4.047+/-18.447 χ^2/NDF:64.0/52

All: 3.779+/-13.304 χ^2/NDF: 106.8/97

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 110.694+/-0.023 χ^2/NDF: 607874.3/21

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

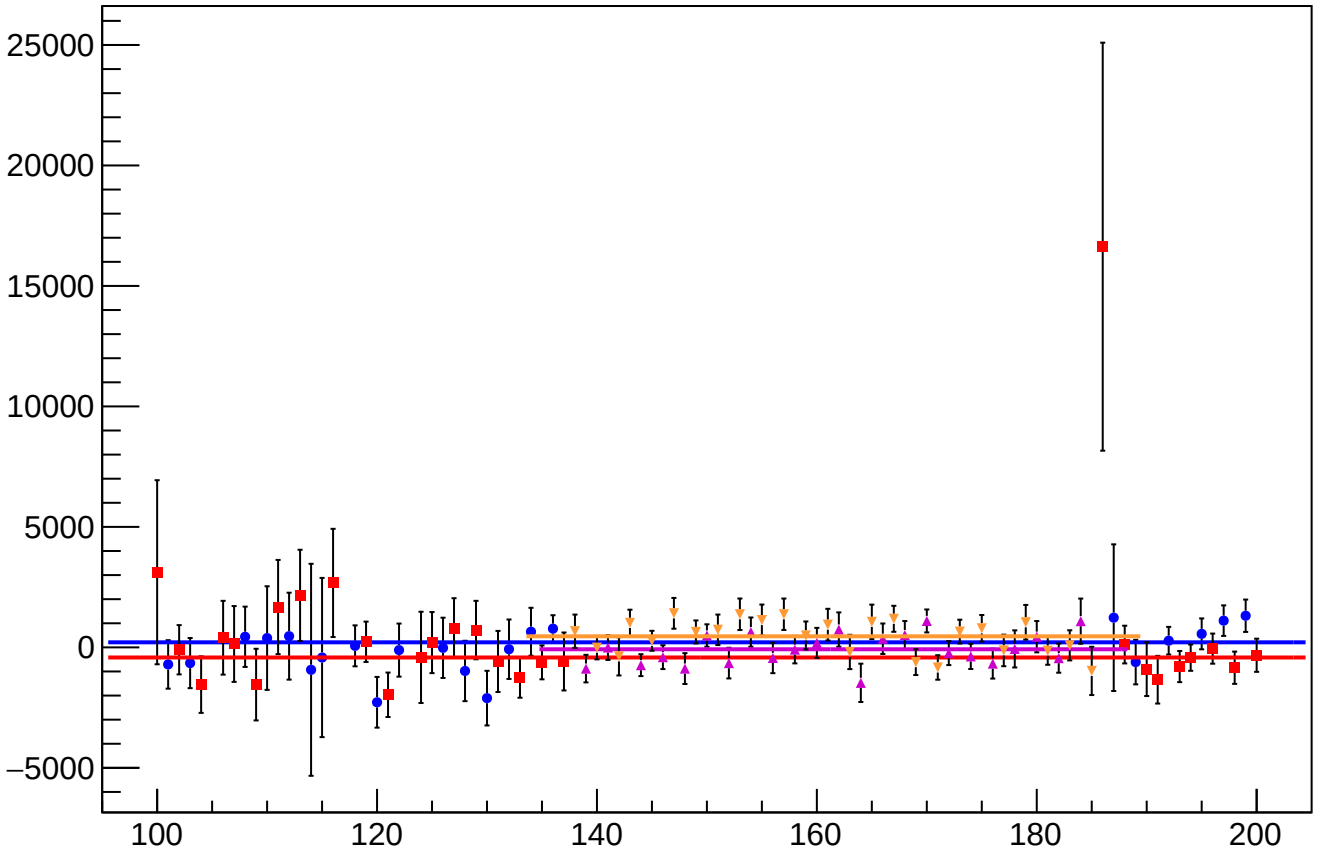
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 111.691+/-0.016 χ^2/NDF: 1602581.5/49

In: 102.715+/-0.014 χ^2/NDF:1770600.6/44

Out: 103.646+/-0.013 χ^2/NDF:2431340.5/52

All: 103.199+/-0.009 χ^2/NDF: 4204387.1/97



Right In: 209.599+/-201.131 χ^2/NDF: 19.7/21

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

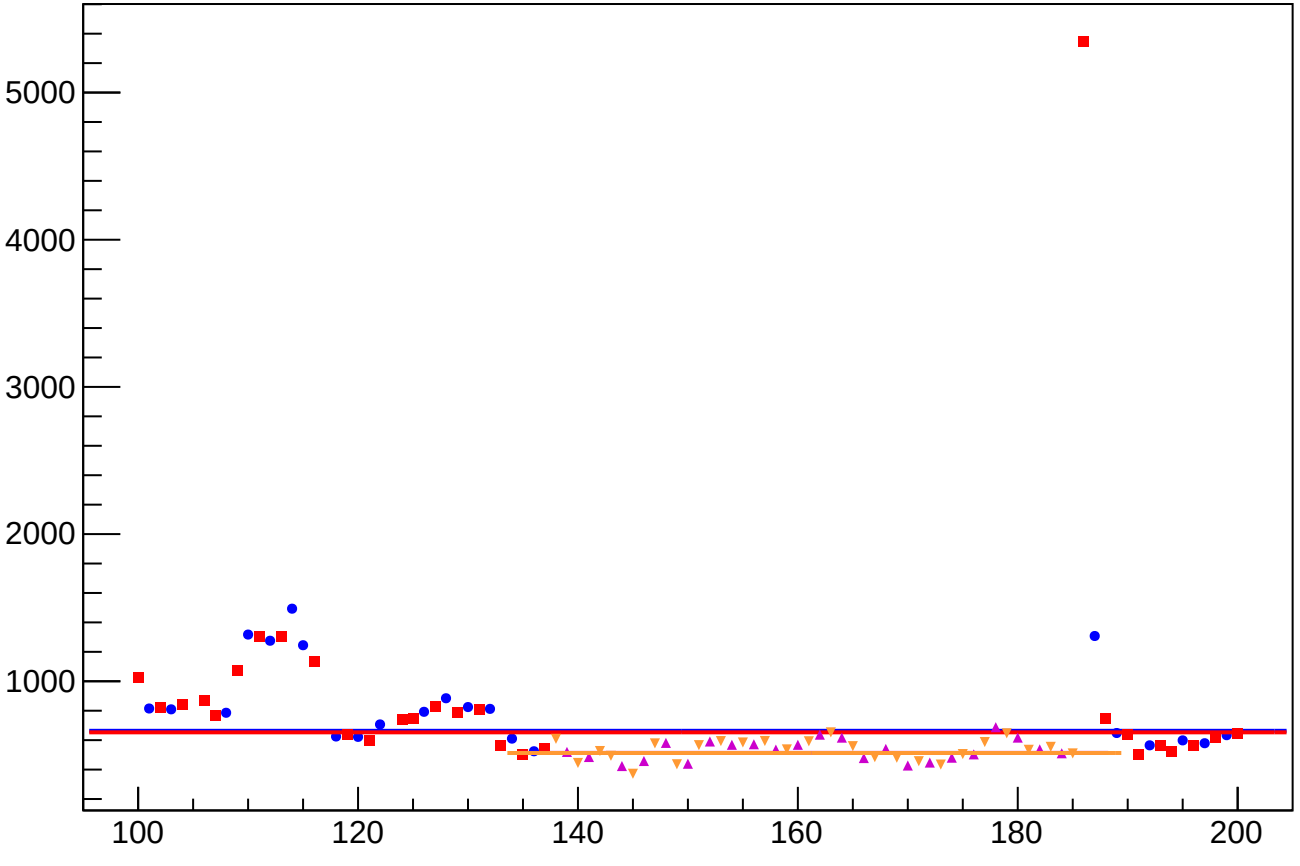
Right: -132.595+/-135.841 χ^2/NDF: 46.1/49

In: -1.747+/-103.958 χ^2/NDF:47.4/44

Out: 203.076+/-99.427 χ^2/NDF:68.0/52

All: 105.225+/-71.854 χ^2/NDF: 117.4/97

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.370+/-0.142 χ^2/NDF: 1154887.2/21

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

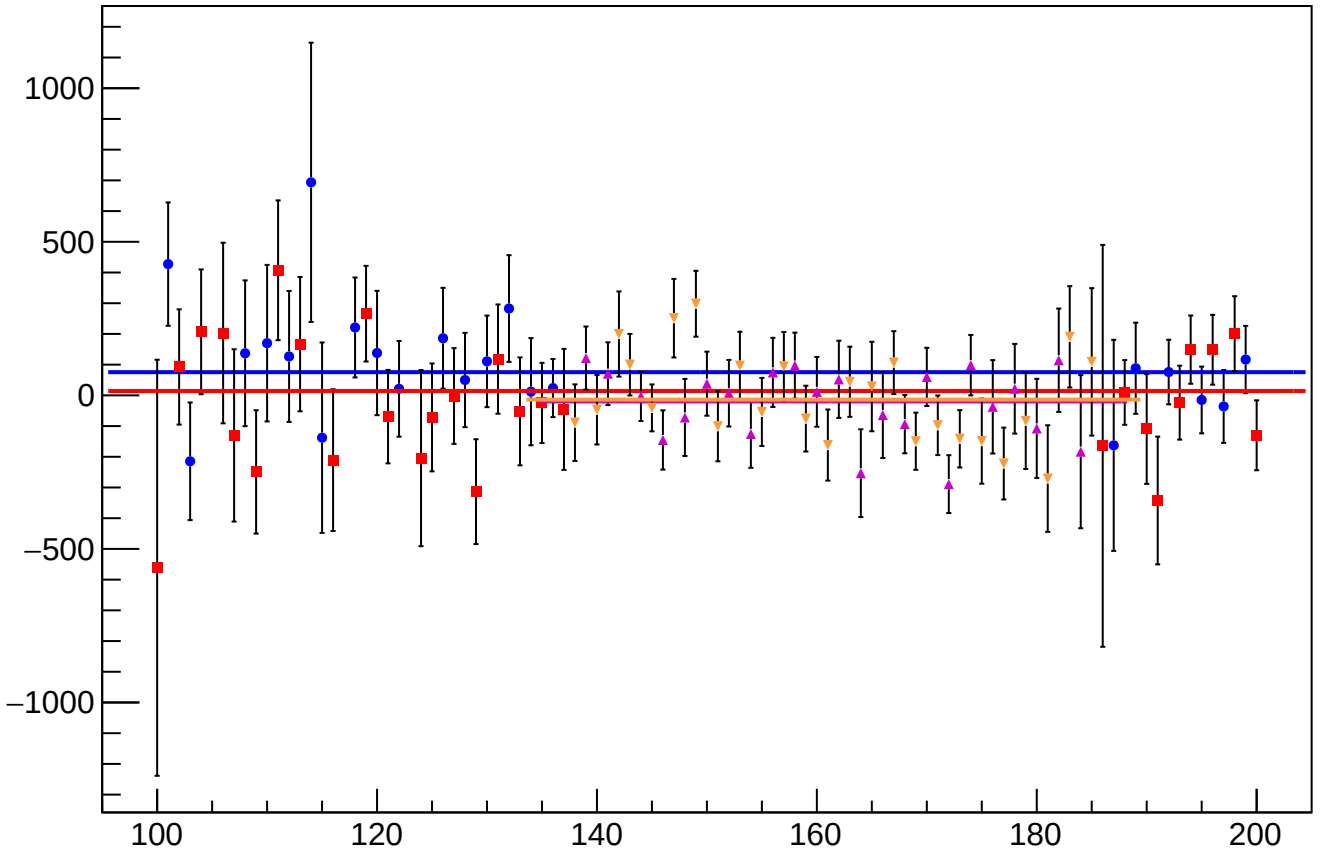
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 657.744+/-0.096 χ^2/NDF: 3184947.0/49

In: 553.446+/-0.074 χ^2/NDF:2604051.9/44

Out: 553.634+/-0.070 χ^2/NDF:3648150.6/52

All: 553.544+/-0.051 χ^2/NDF: 6252206.0/97



Right In: 75.550+/-33.117 χ^2/NDF: 13.6/21

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

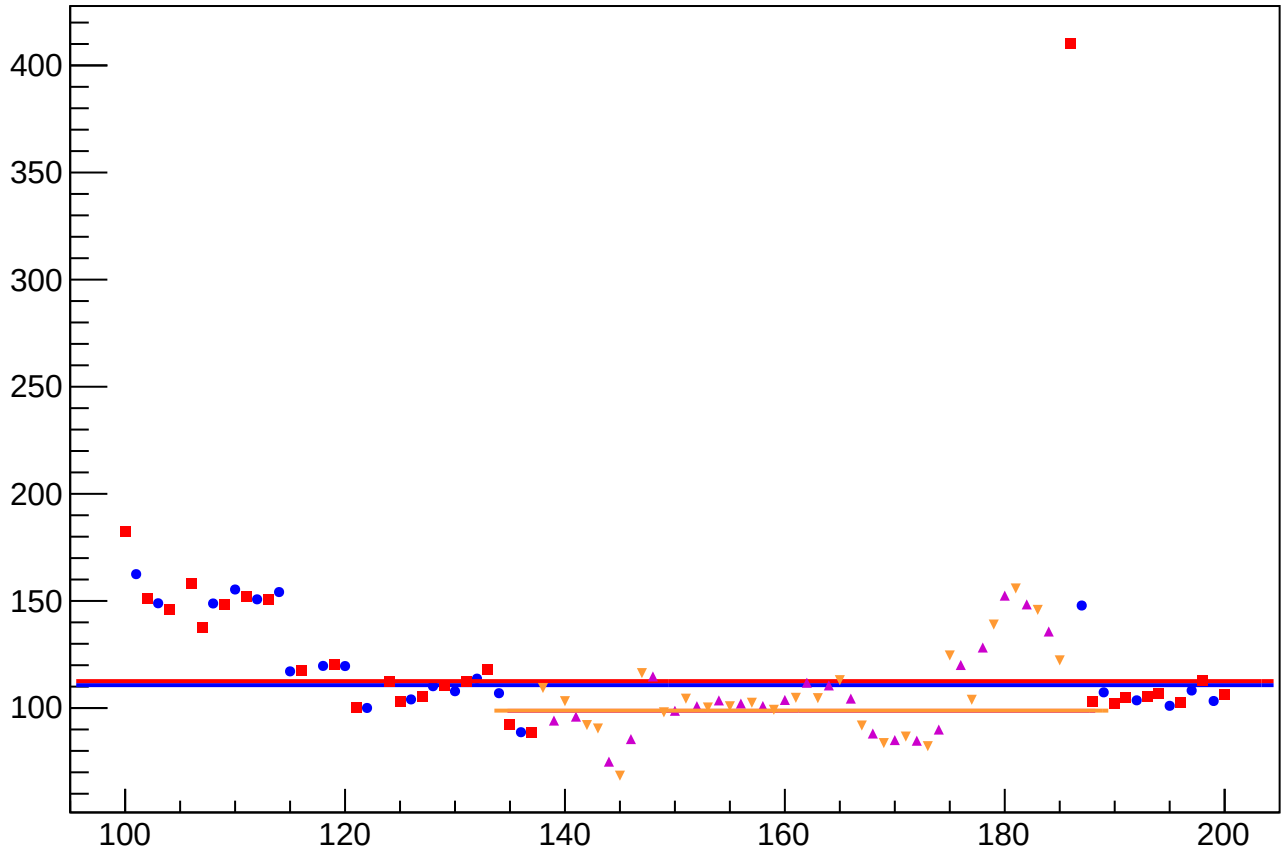
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 42.892+/-22.668 χ^2/NDF: 42.5/49

In: 12.258+/-19.204 χ^2/NDF:42.4/44

Out: -4.048+/-18.447 χ^2/NDF:64.0/52

All: 3.778+/-13.304 χ^2/NDF: 106.8/97



Right In: 110.694+/-0.023 χ^2/NDF: 607859.4/21

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

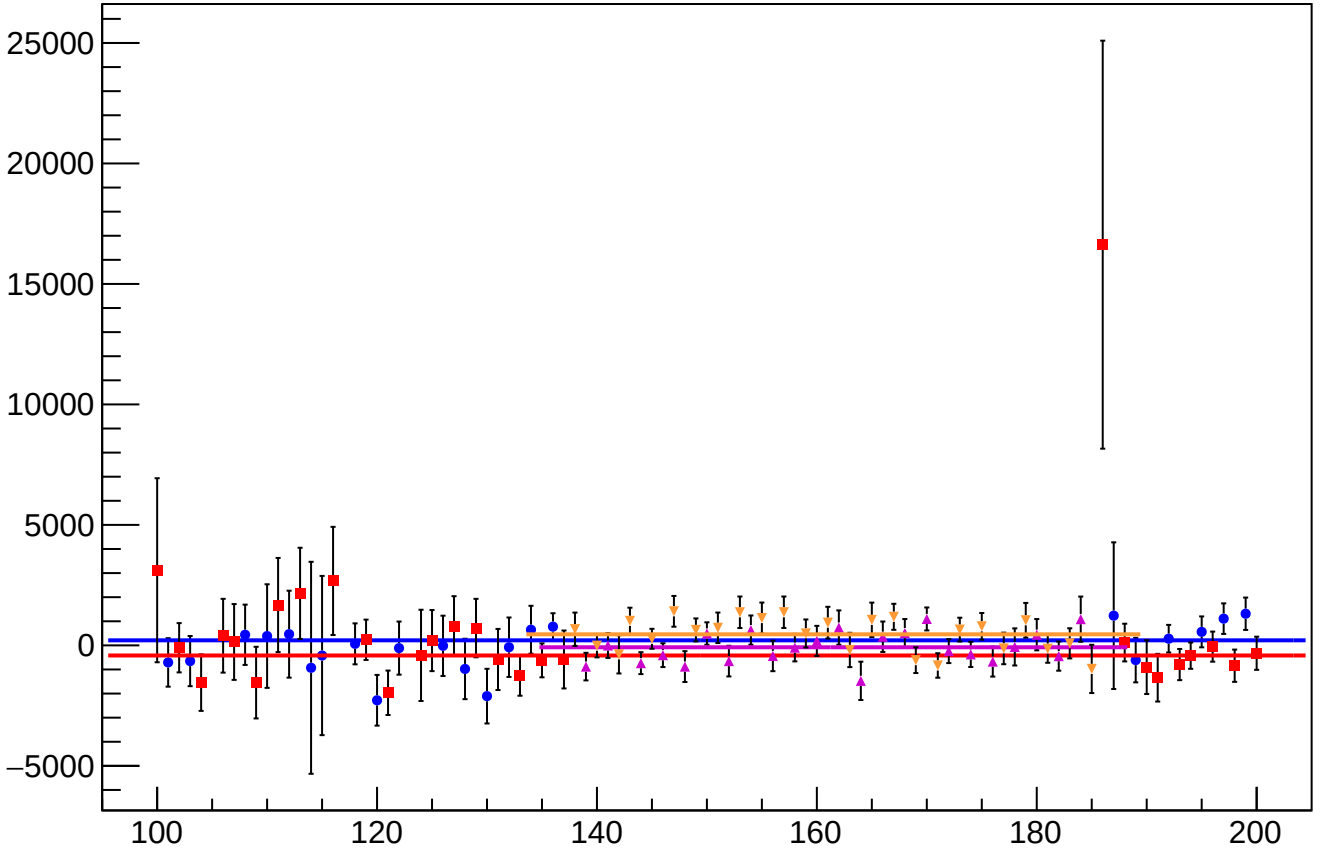
Right: 111.691+/-0.016 χ^2/NDF: 1602551.7/49

In: 102.715+/-0.014 χ^2/NDF:1770582.8/44

Out: 103.646+/-0.013 χ^2/NDF:2431335.7/52

All: 103.199+/-0.009 χ^2/NDF: 4204364.2/97

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 209.598+/-201.130 χ^2/NDF: 19.7/21

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

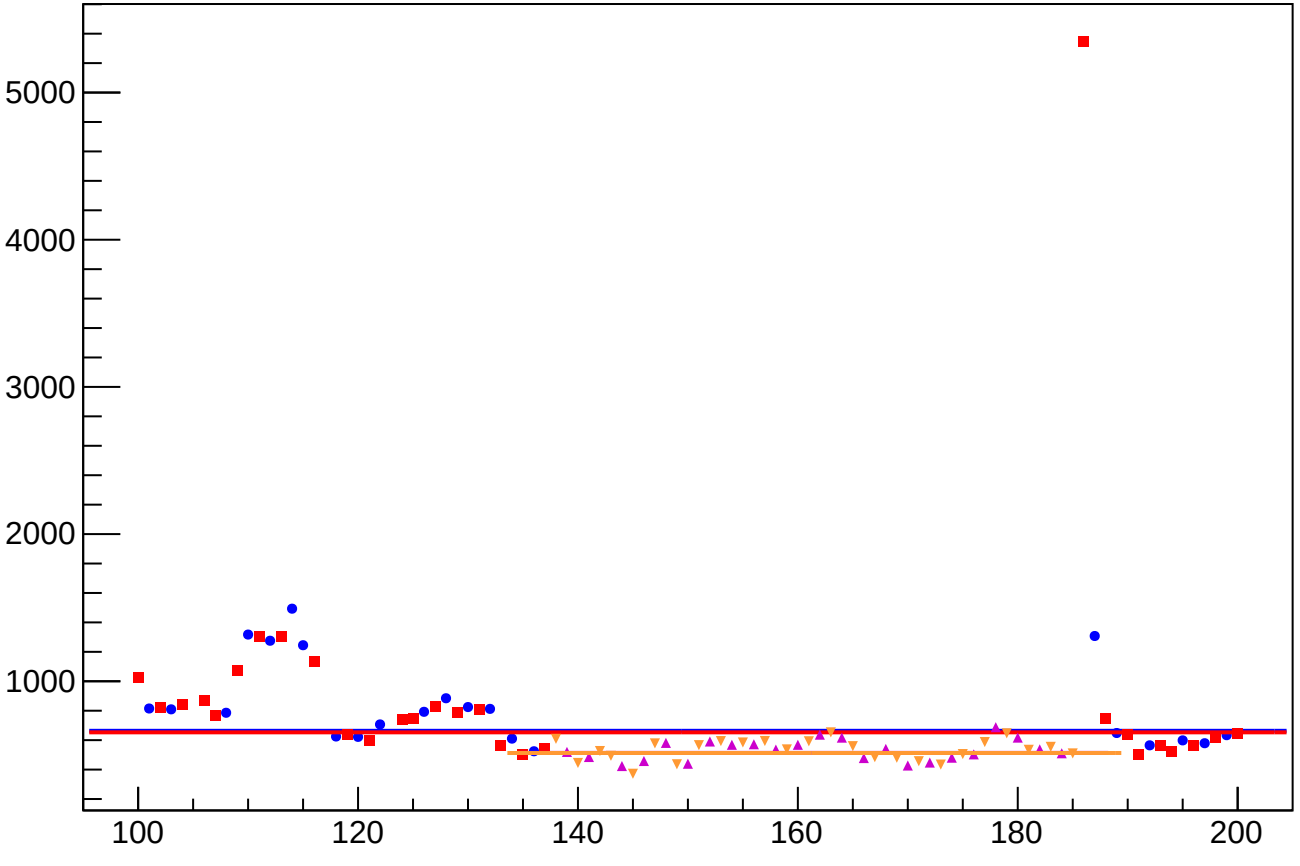
Right: -132.595+/-135.840 χ^2/NDF: 46.1/49

In: -1.747+/-103.958 χ^2/NDF:47.4/44

Out: 203.075+/-99.427 χ^2/NDF:68.0/52

All: 105.224+/-71.854 χ^2/NDF: 117.4/97

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.369+/-0.142 χ^2/NDF: 1154885.0/21

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

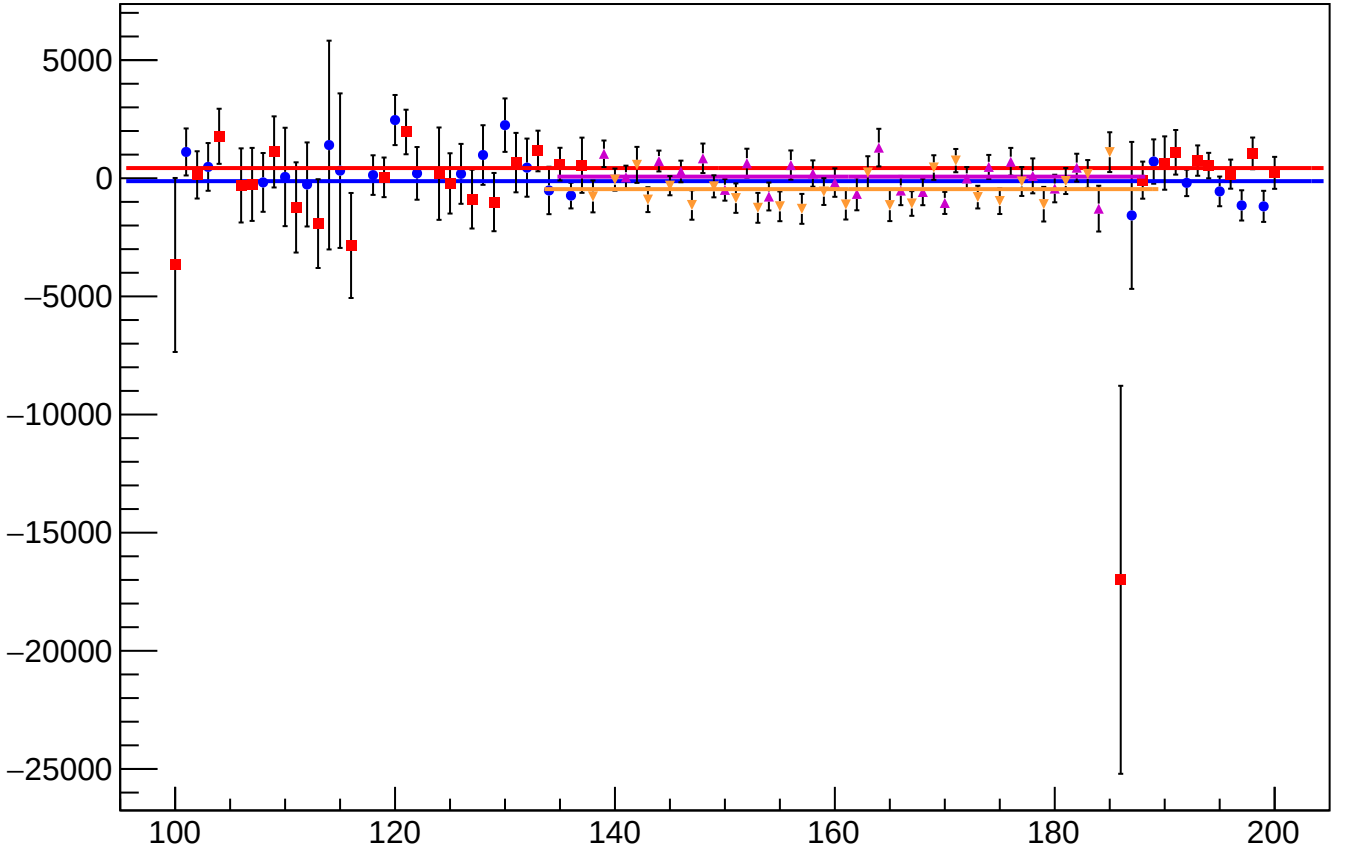
Right: 657.743+/-0.096 χ^2/NDF: 3184941.9/49

In: 553.446+/-0.074 χ^2/NDF:2604042.4/44

Out: 553.633+/-0.070 χ^2/NDF:3648137.9/52

All: 553.544+/-0.051 χ^2/NDF: 6252183.7/97

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -122.517+/-199.065 χ^2/NDF: 21.7/21

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

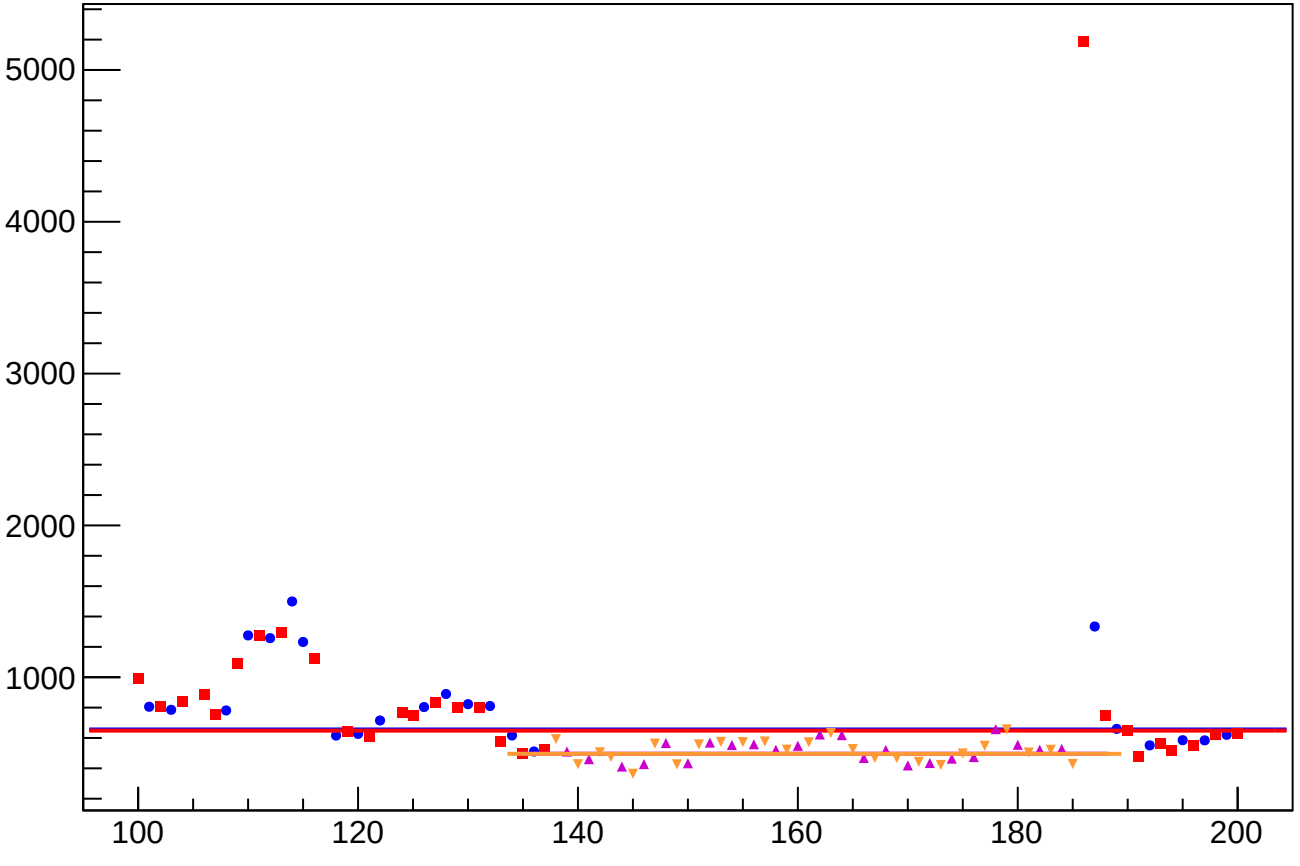
Right: 177.392+/-134.771 χ^2/NDF: 47.0/49

In: 18.889+/-101.102 χ^2/NDF:51.0/44

Out: -210.256+/-96.921 χ^2/NDF:68.9/52

All: -100.519+/-69.965 χ^2/NDF: 122.6/97

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 655.880+/-0.141 χ^2/NDF: 1188945.4/21

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

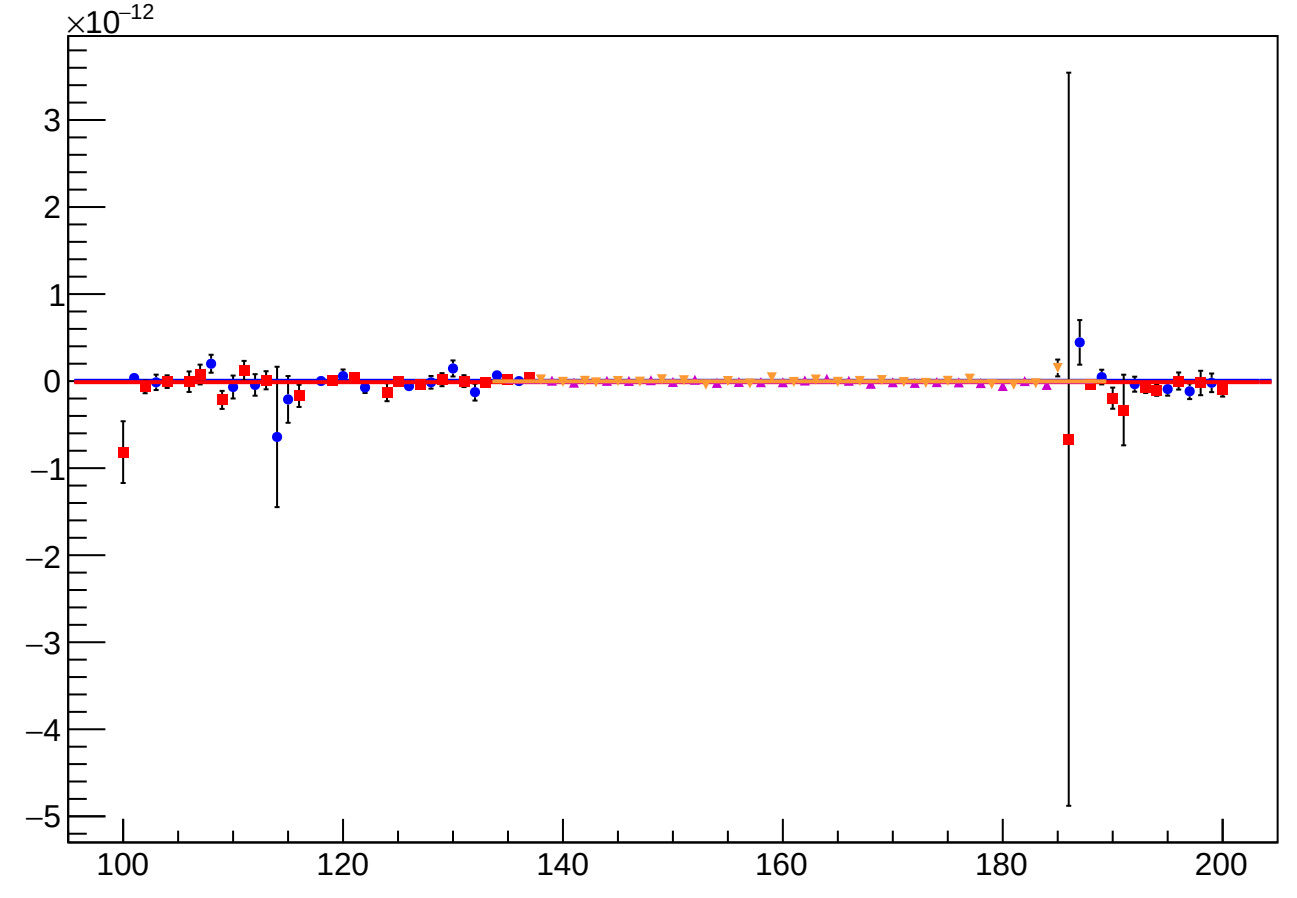
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 651.808+/-0.095 χ^2/NDF: 3262614.2/49

In: 537.468+/-0.071 χ^2/NDF:2764953.2/44

Out: 538.331+/-0.069 χ^2/NDF:3879835.1/52

All: 537.918+/-0.049 χ^2/NDF: 6644864.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/21

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

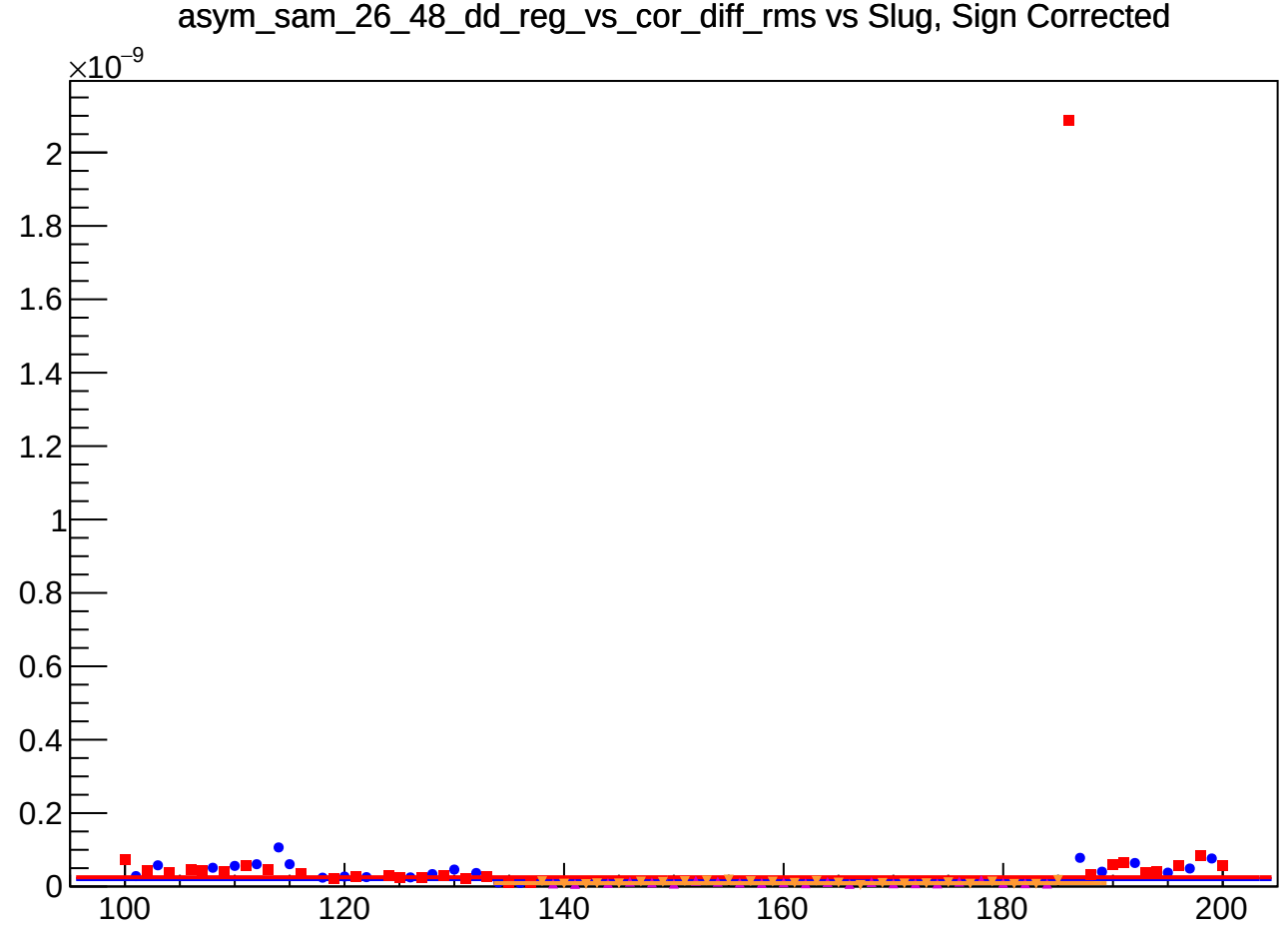
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/49

In: -0.000+/-0.000 χ^2/NDF:40.8/44

Out: -0.000+/-0.000 χ^2/NDF:51.0/52

All: -0.000+/-0.000 χ^2/NDF: 92.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 4095485.8/21

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

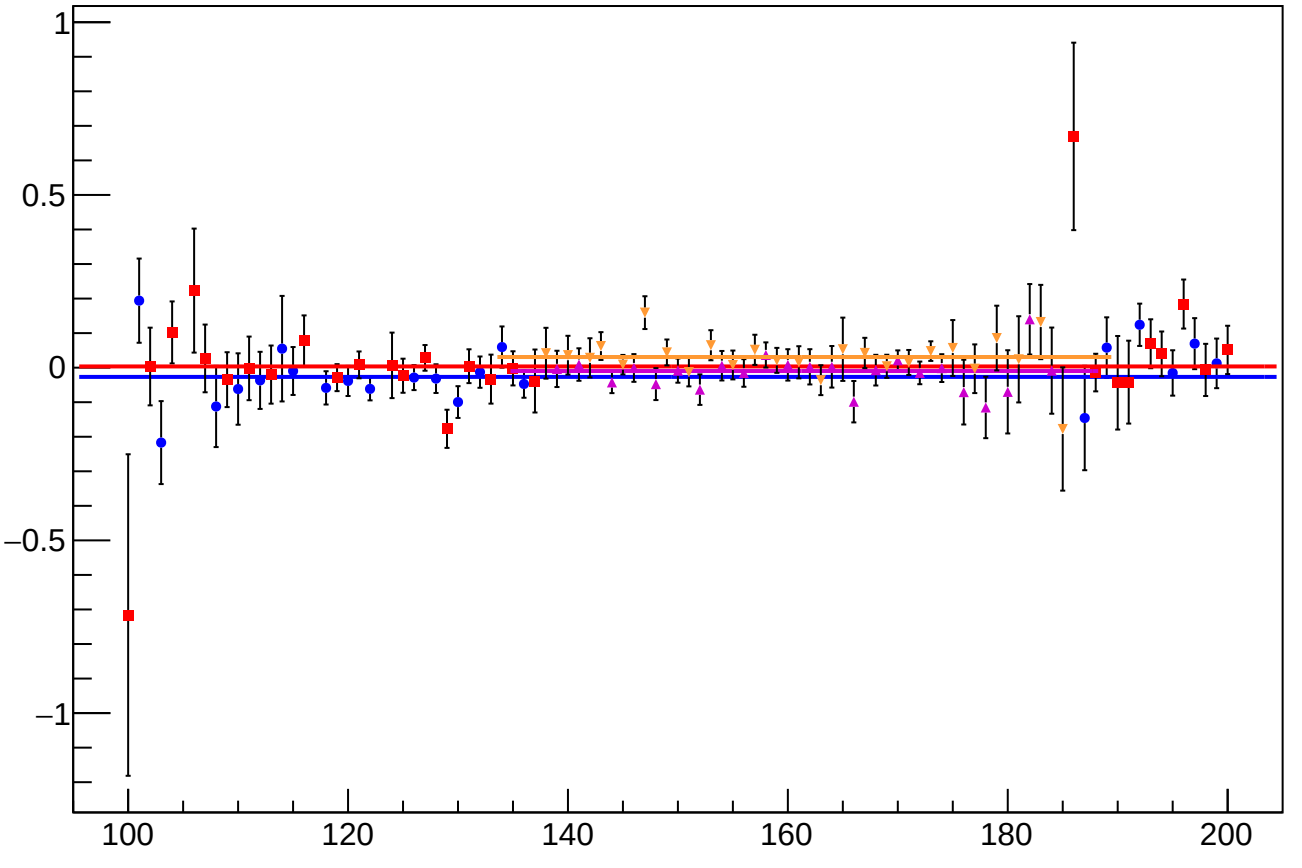
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7866617.9/49

In: 0.000+/-0.000 χ^2/NDF:6294588.5/44

Out: 0.000+/-0.000 χ^2/NDF:8587100.1/52

All: 0.000+/-0.000 χ^2/NDF: 14893038.1/97



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

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

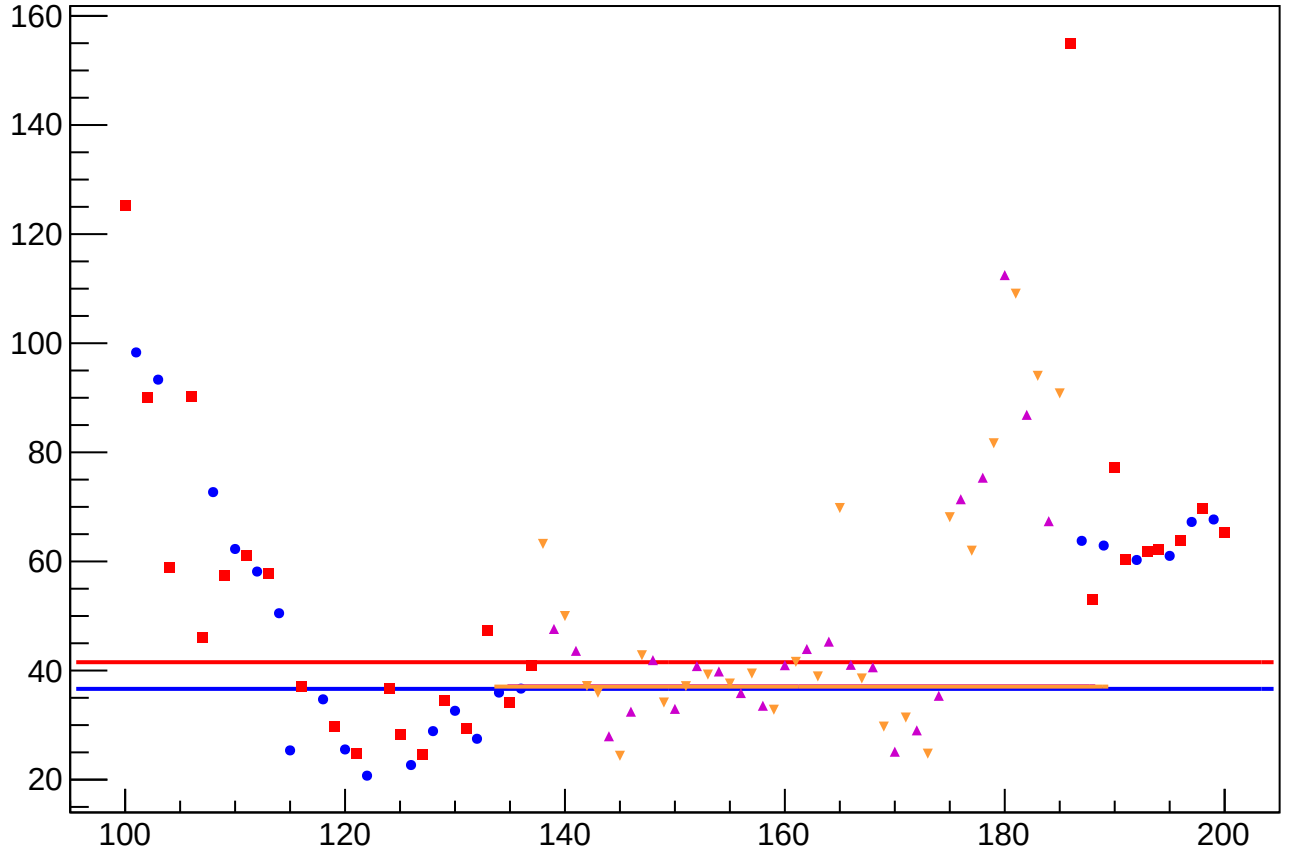
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.012+/-0.009 χ^2/NDF: 59.7/49

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 104.9/97



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

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

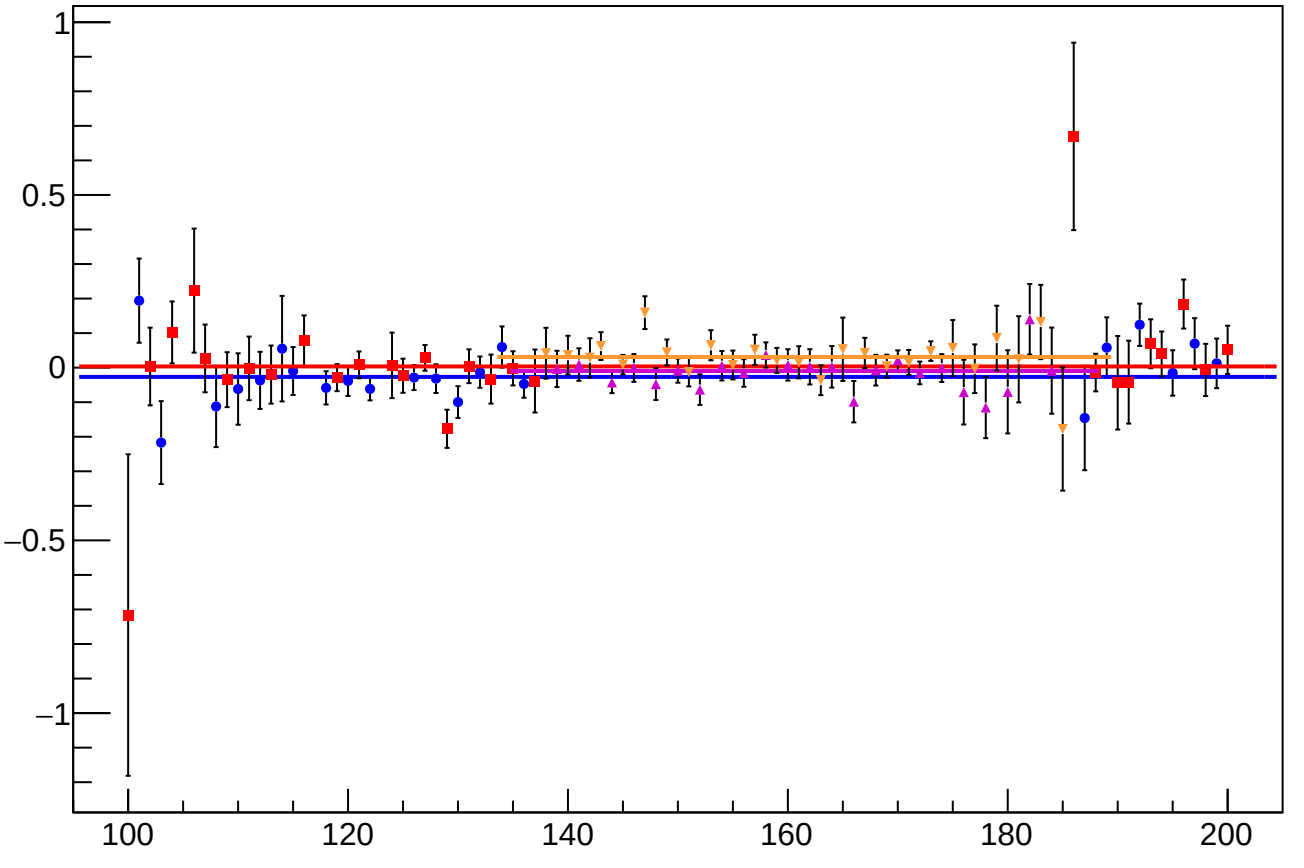
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 39.020+/-0.006 χ^2/NDF: 8171234.8/49

In: 36.944+/-0.005 χ^2/NDF:7077508.4/44

Out: 38.624+/-0.005 χ^2/NDF:8171646.5/52

All: 37.790+/-0.004 χ^2/NDF: 15300899.9/97



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

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

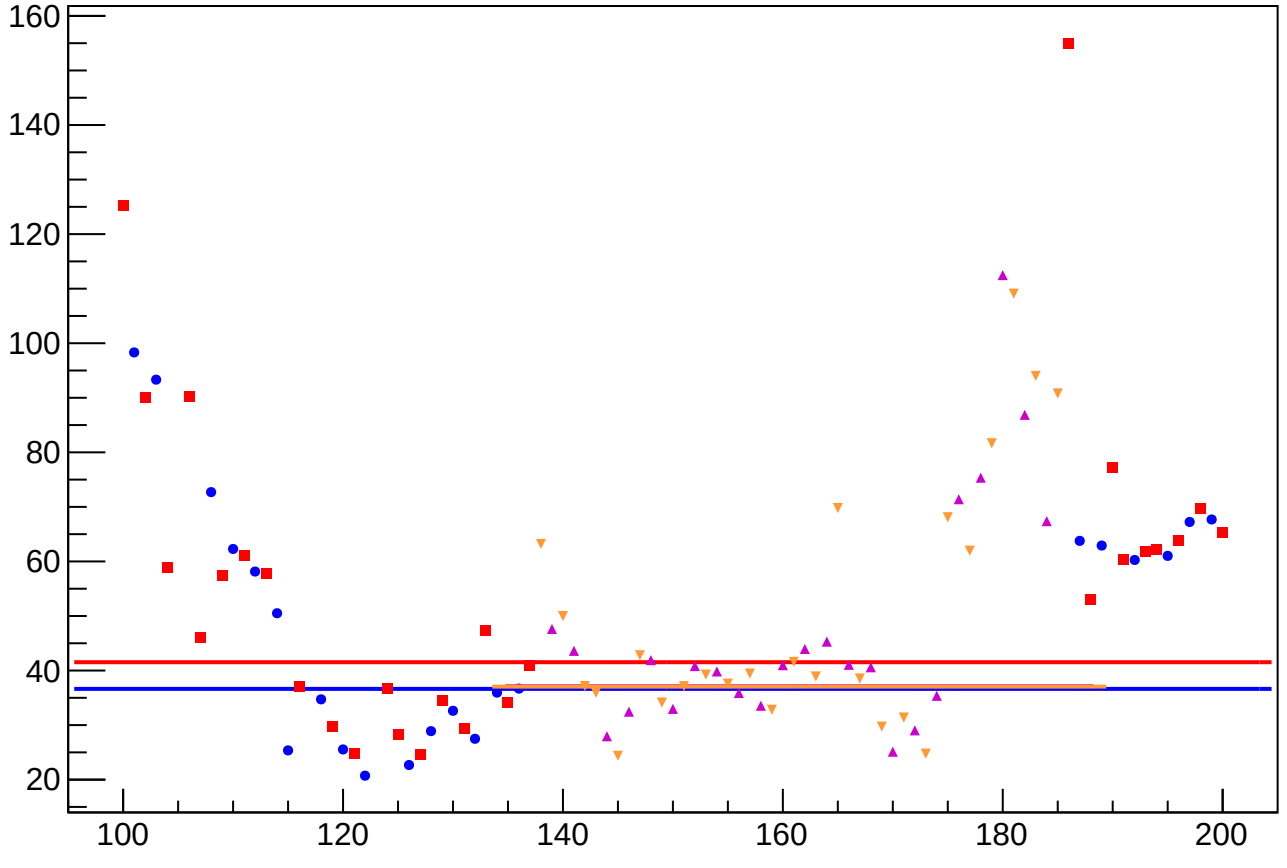
Right: -0.012+/-0.009 χ^2/NDF: 59.7/49

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 104.9/97

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

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

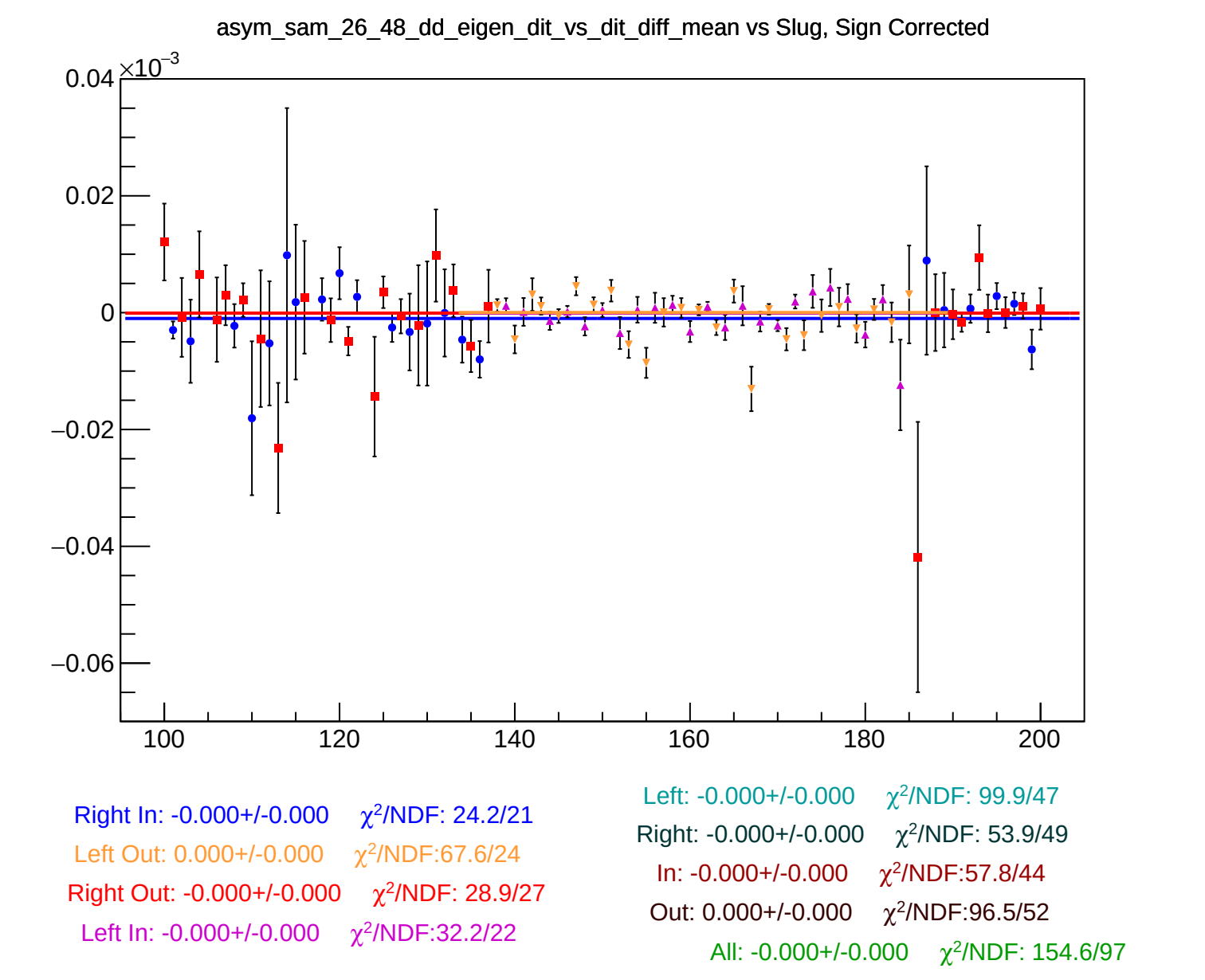
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

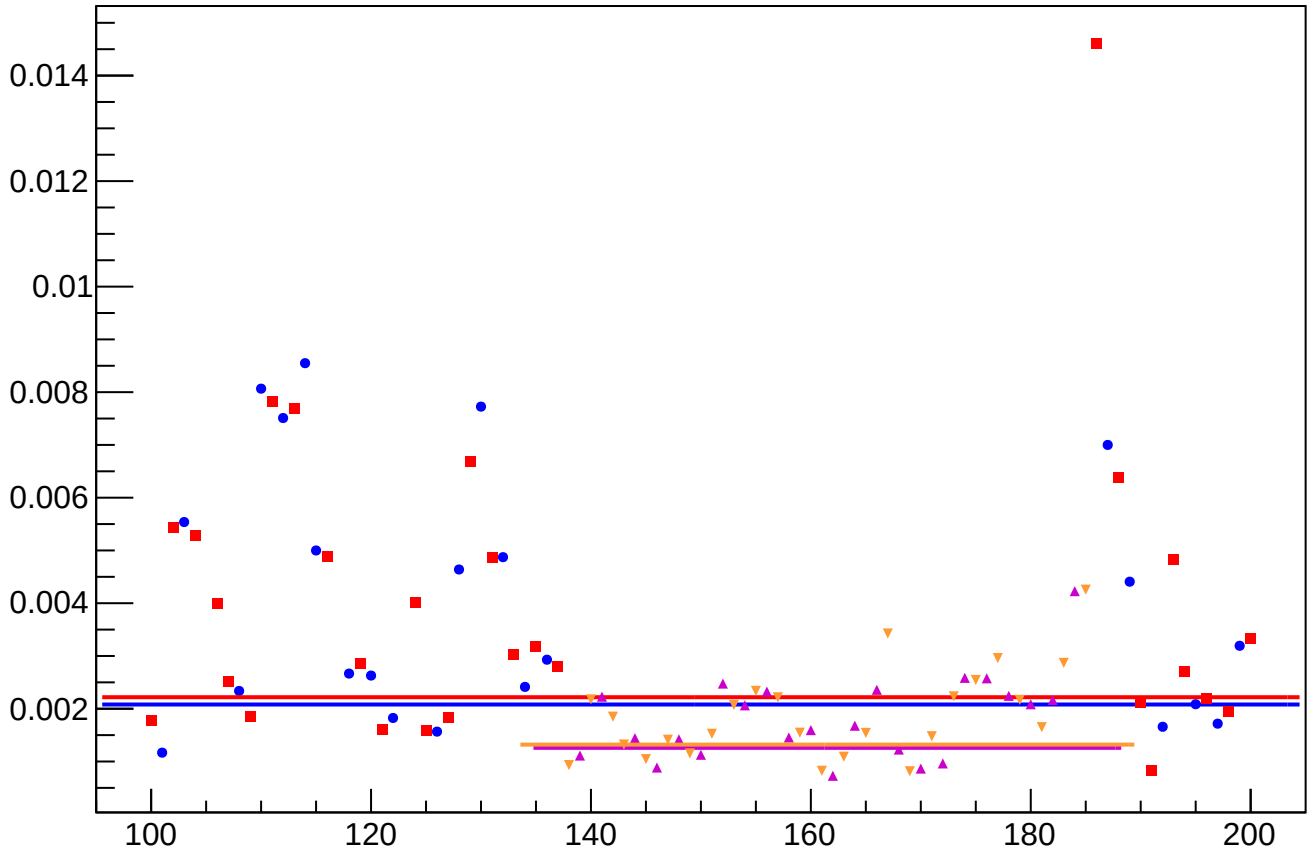
Right: 39.020+/-0.006 χ^2/NDF: 8171234.8/49

In: 36.944+/-0.005 χ^2/NDF:7077508.4/44

Out: 38.624+/-0.005 χ^2/NDF:8171646.5/52

All: 37.790+/-0.004 χ^2/NDF: 15300899.9/97


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.2/21
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.9/27
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 53.9/49
In: -0.000+/-0.000 χ²/NDF:57.8/44
Out: 0.000+/-0.000 χ²/NDF:96.5/52
All: -0.000+/-0.000 χ²/NDF: 154.6/97



Right In: 0.002+/-0.000 χ^2/NDF: 4717845.2/21

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

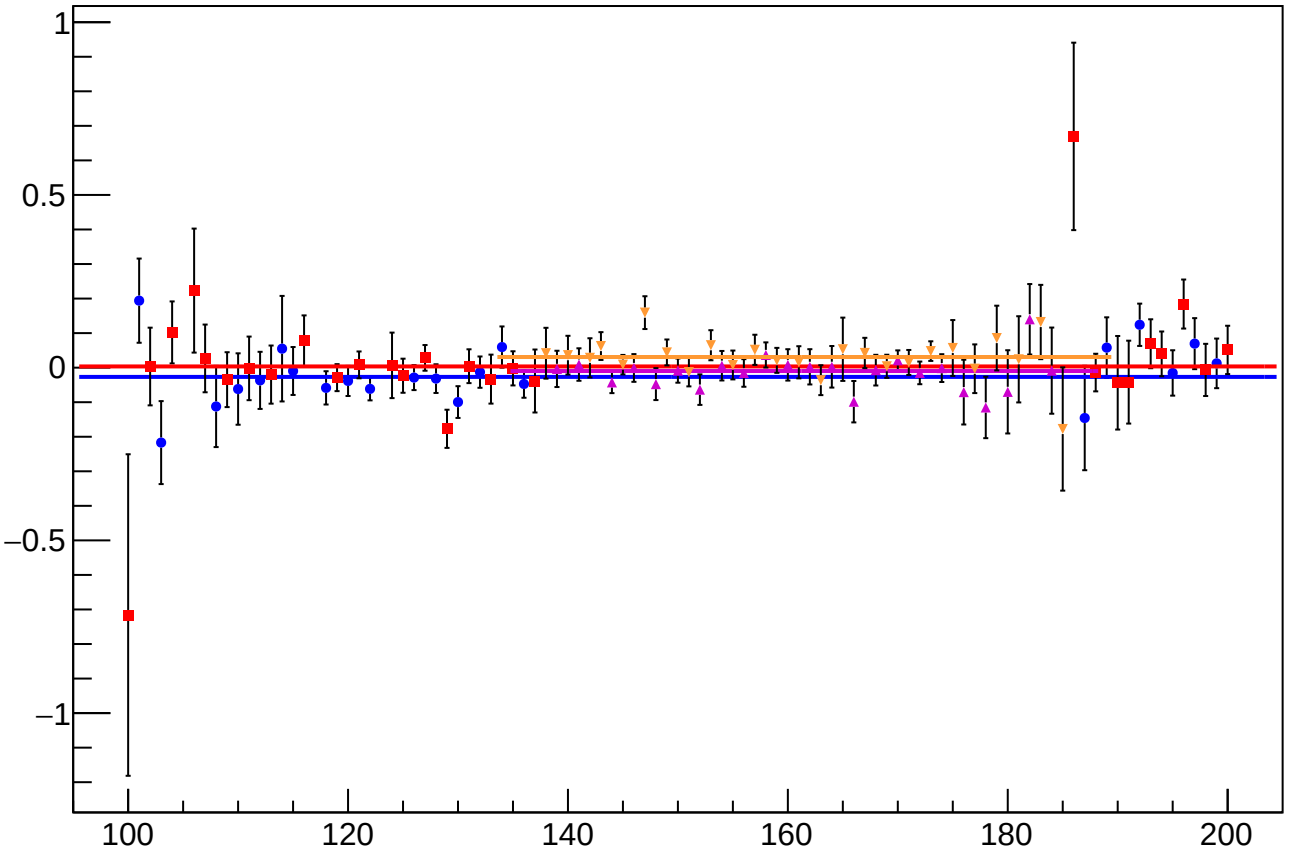
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11537556.4/49

In: 0.001+/-0.000 χ^2/NDF:12276692.2/44

Out: 0.001+/-0.000 χ^2/NDF:15002852.6/52

All: 0.001+/-0.000 χ^2/NDF: 27344390.7/97



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

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

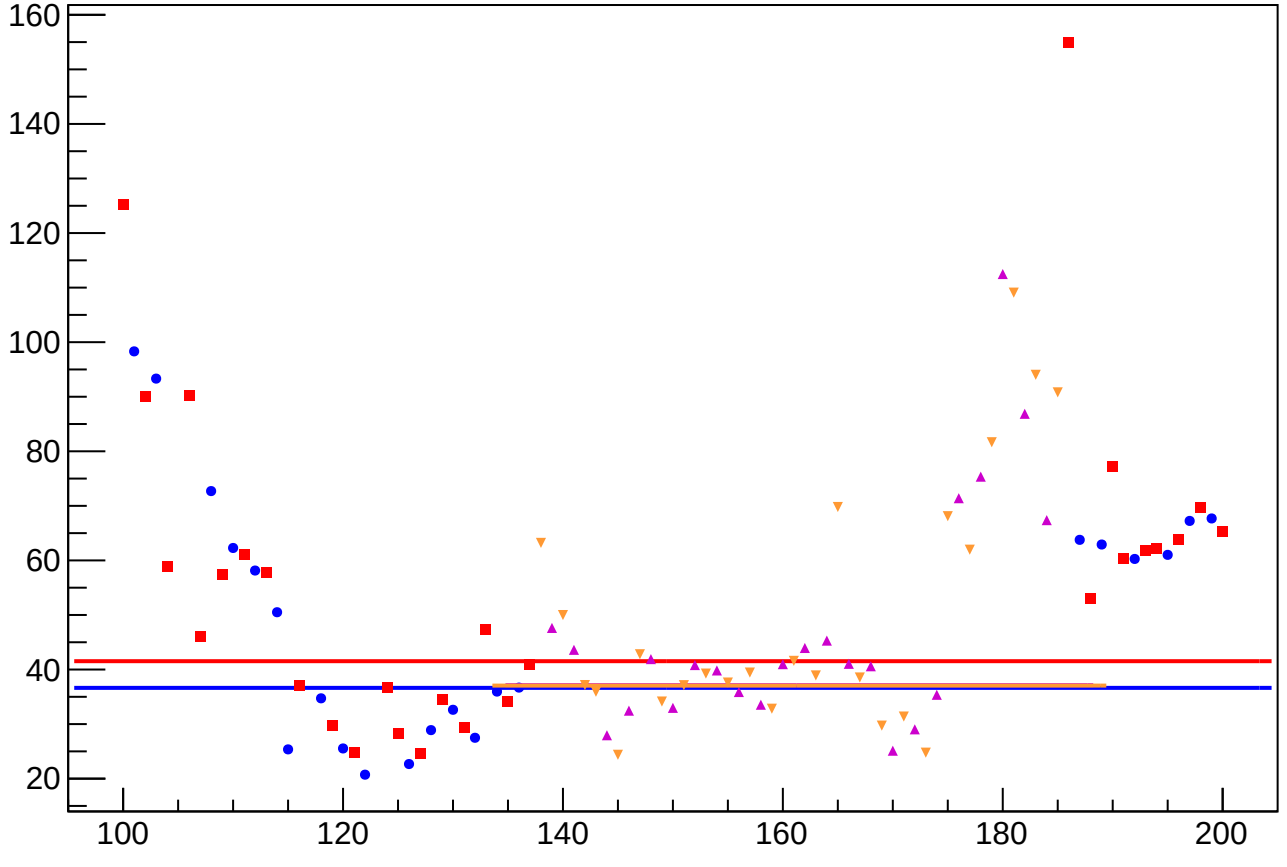
Right: -0.012+/-0.009 χ^2/NDF: 59.7/49

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 104.9/97

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

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

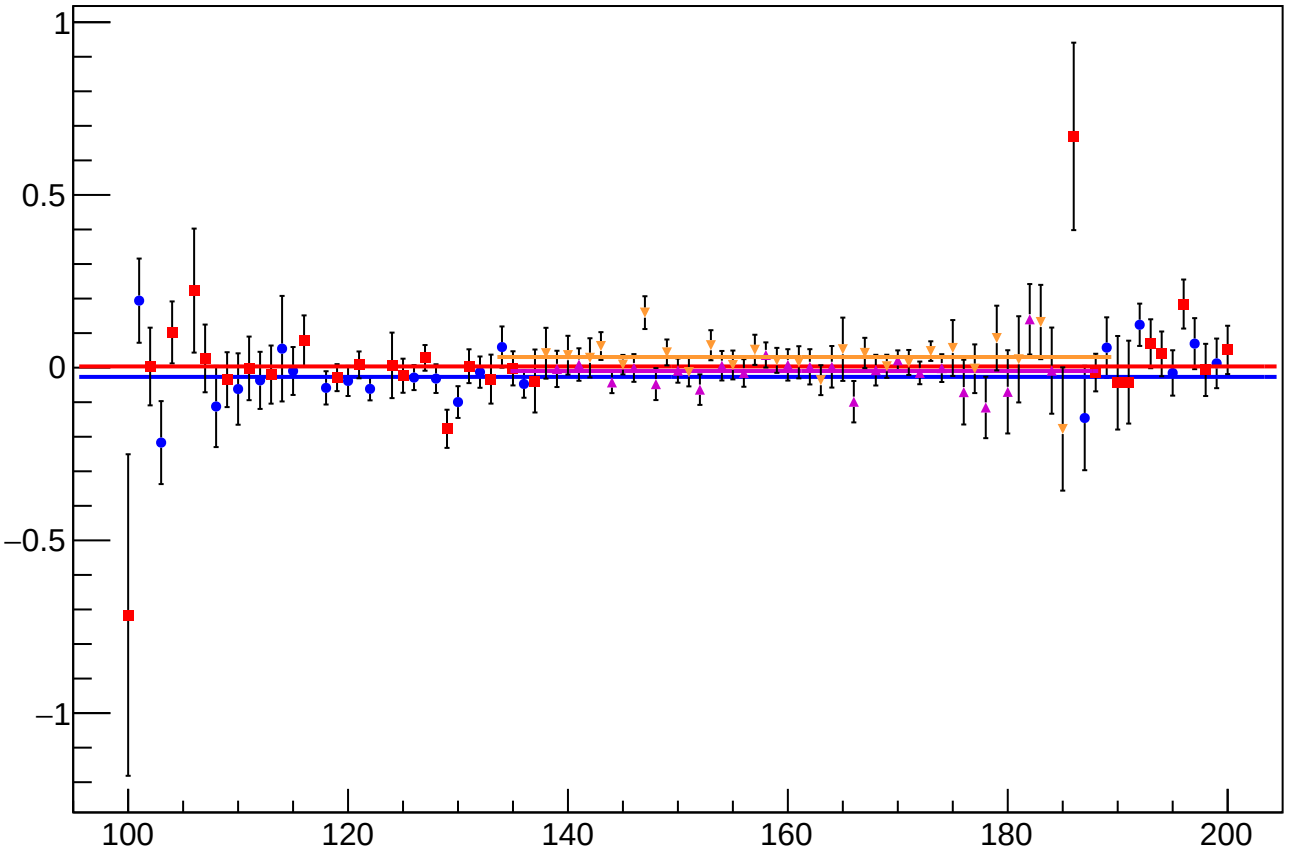
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.021+/-0.006 χ^2/NDF: 8170996.7/49

In: 36.944+/-0.005 χ^2/NDF:7077419.9/44

Out: 38.624+/-0.005 χ^2/NDF:8171506.7/52

All: 37.791+/-0.004 χ^2/NDF: 15300672.2/97



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

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

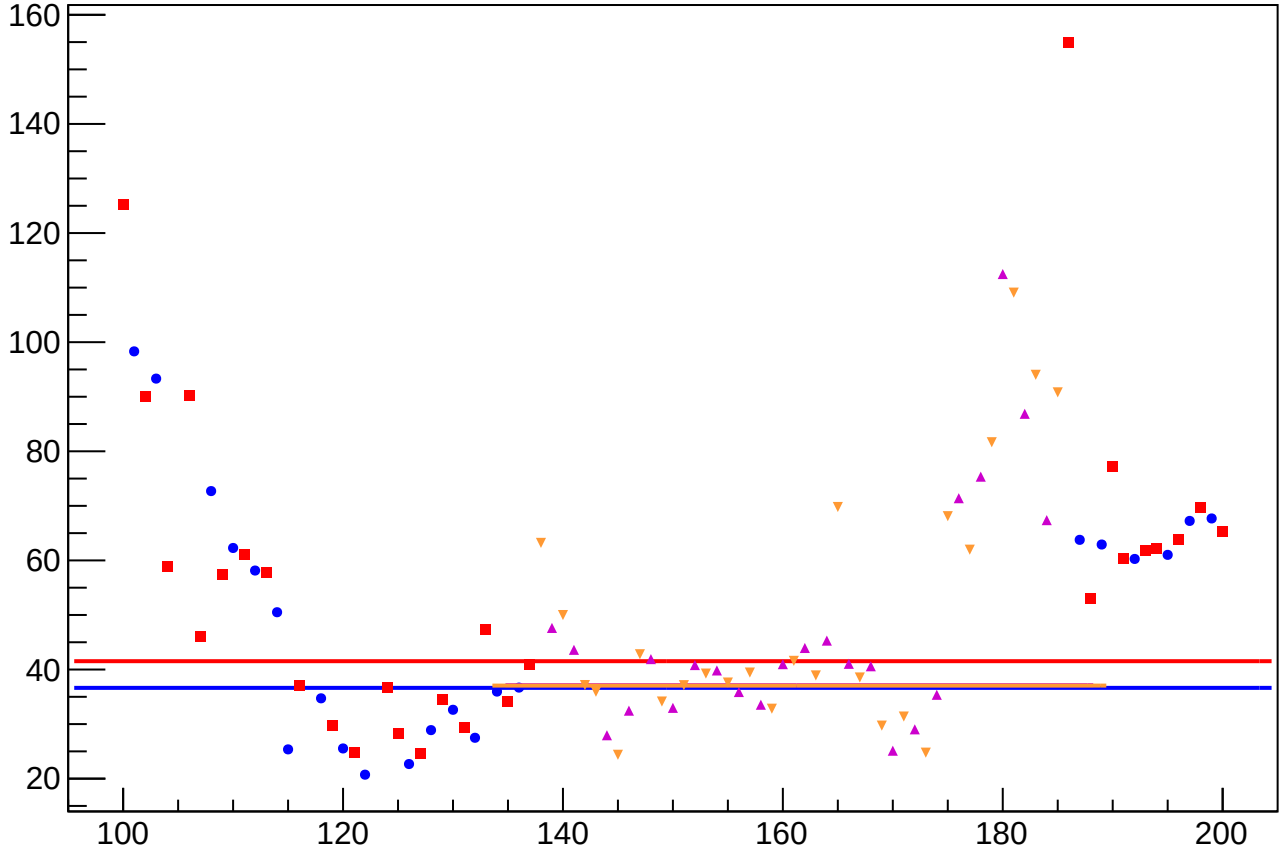
Right: -0.012+/-0.009 χ^2/NDF: 59.7/49

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.6/52

All: 0.003+/-0.005 χ^2/NDF: 104.9/97

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

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

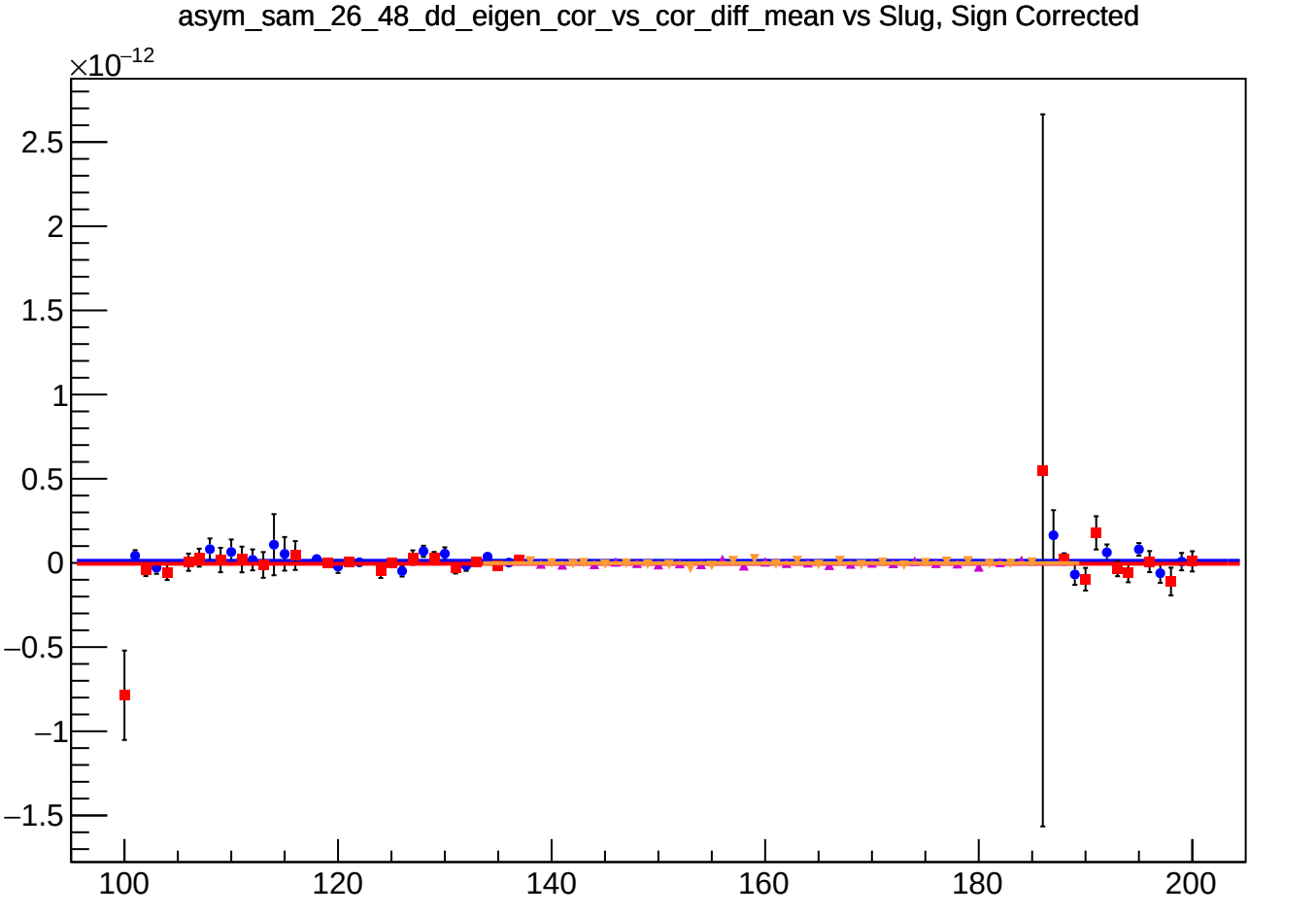
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 39.021+/-0.006 χ^2/NDF: 8170996.7/49

In: 36.944+/-0.005 χ^2/NDF:7077419.9/44

Out: 38.624+/-0.005 χ^2/NDF:8171506.7/52

All: 37.791+/-0.004 χ^2/NDF: 15300672.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

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

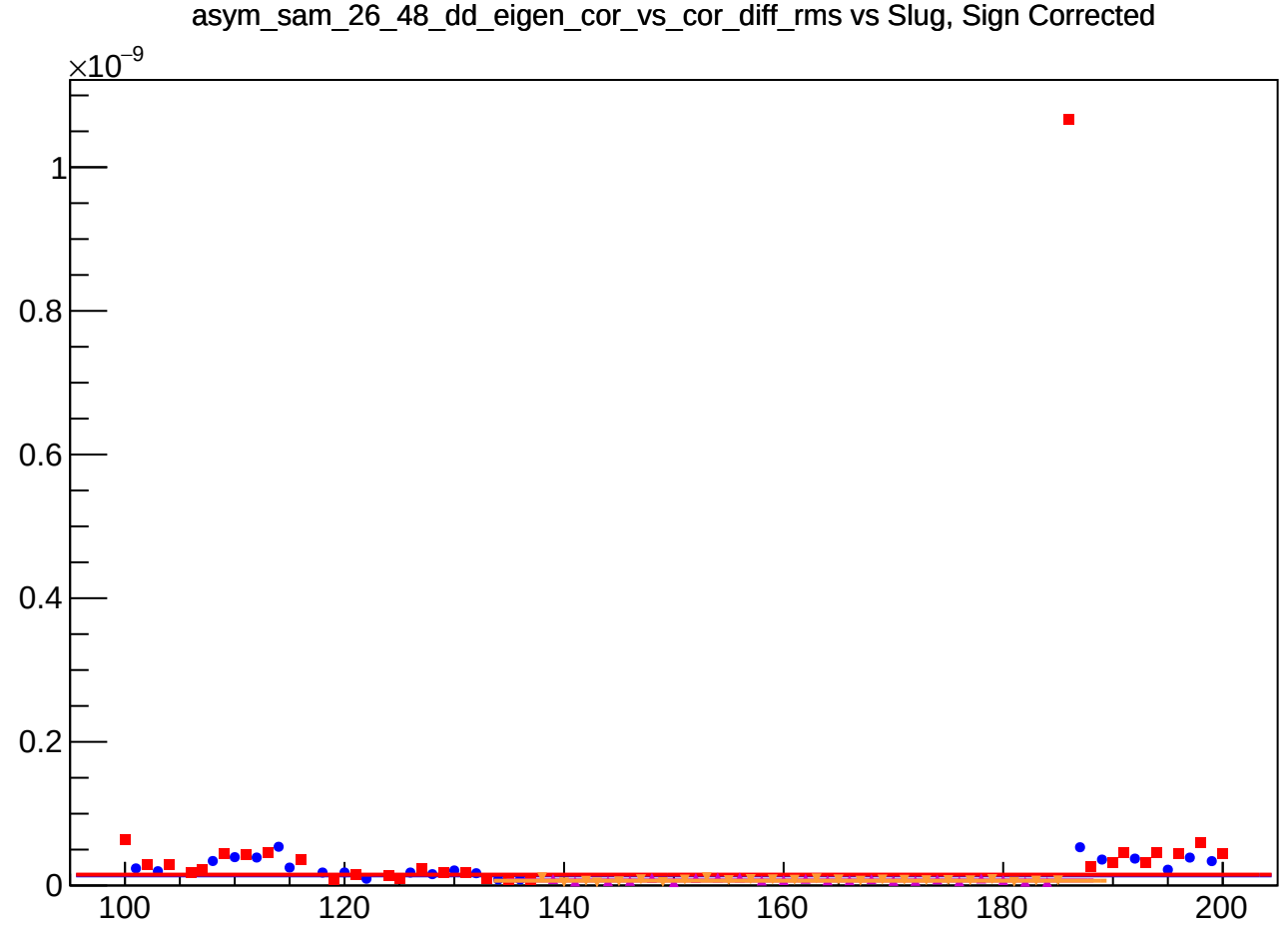
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/49

In: -0.000+/-0.000 χ^2/NDF:52.2/44

Out: -0.000+/-0.000 χ^2/NDF:53.0/52

All: -0.000+/-0.000 χ^2/NDF: 105.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 3913246.3/21

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

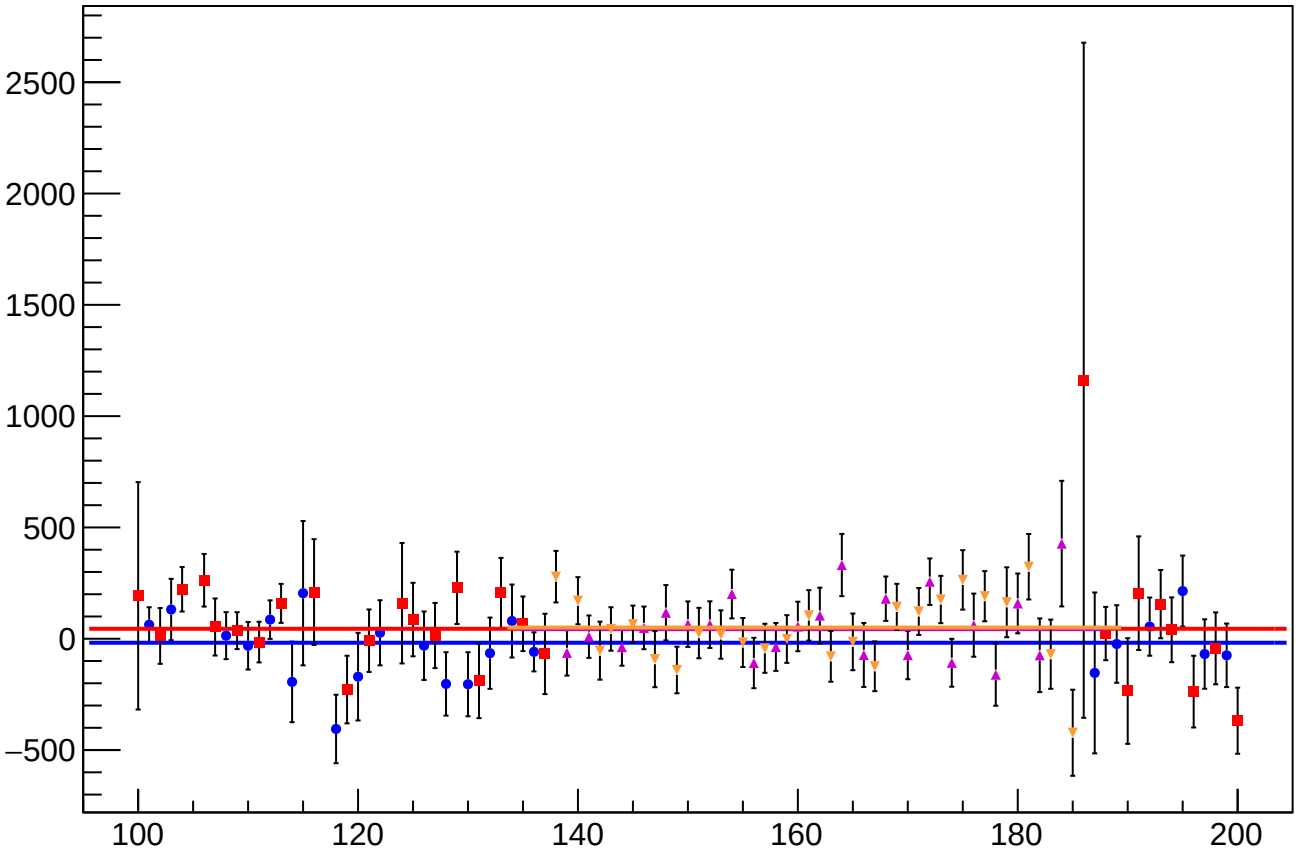
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10387674.8/49

In: 0.000+/-0.000 χ^2/NDF:7705817.3/44

Out: 0.000+/-0.000 χ^2/NDF:11713546.8/52

All: 0.000+/-0.000 χ^2/NDF: 19464161.8/97



Right In: -17.950+/-28.239 χ^2/NDF: 19.1/21

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

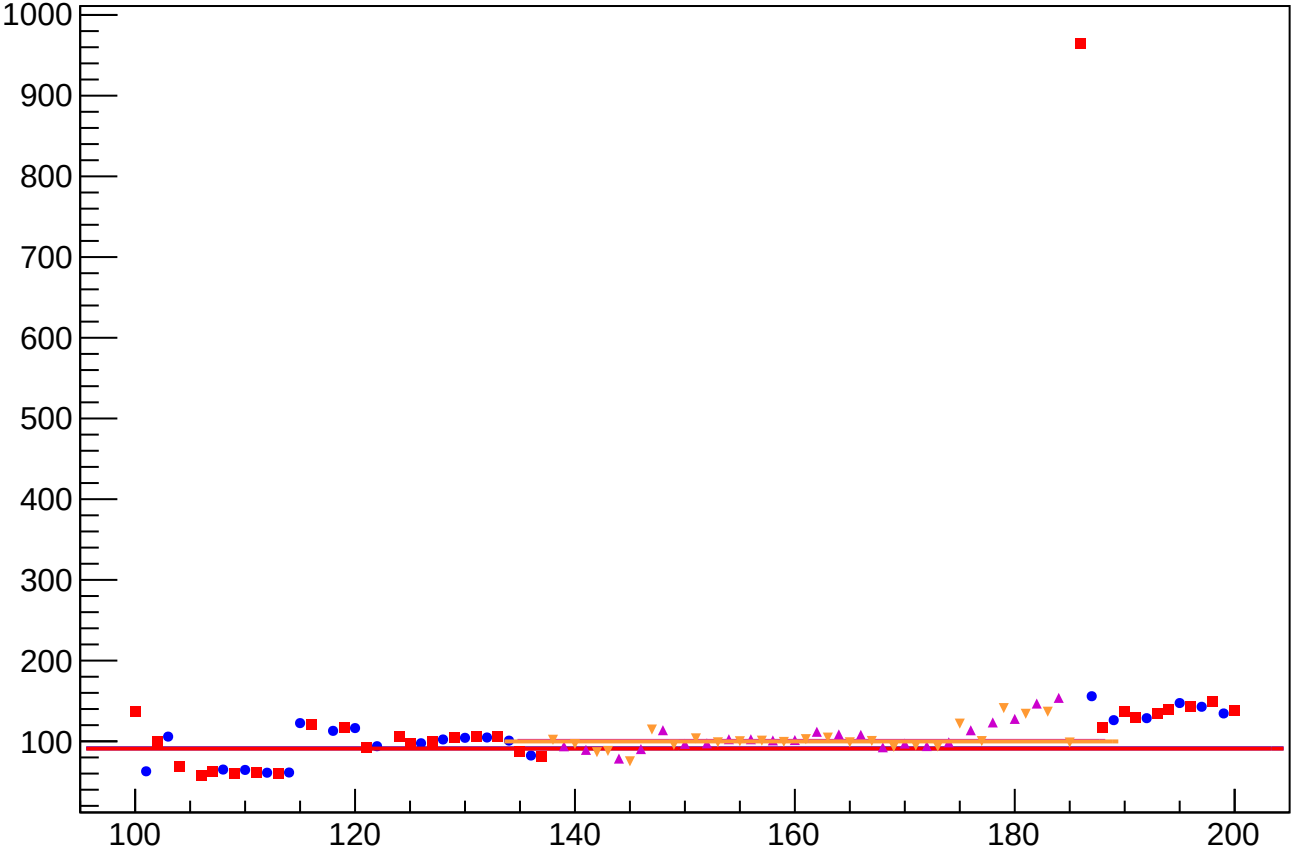
Right: 15.486+/-19.298 χ^2/NDF: 53.4/49

In: 17.754+/-18.180 χ^2/NDF:48.4/44

Out: 47.934+/-17.333 χ^2/NDF:65.2/52

All: 33.563+/-12.545 χ^2/NDF: 115.0/97

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 91.243+/-0.020 χ^2/NDF: 1952543.2/21

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

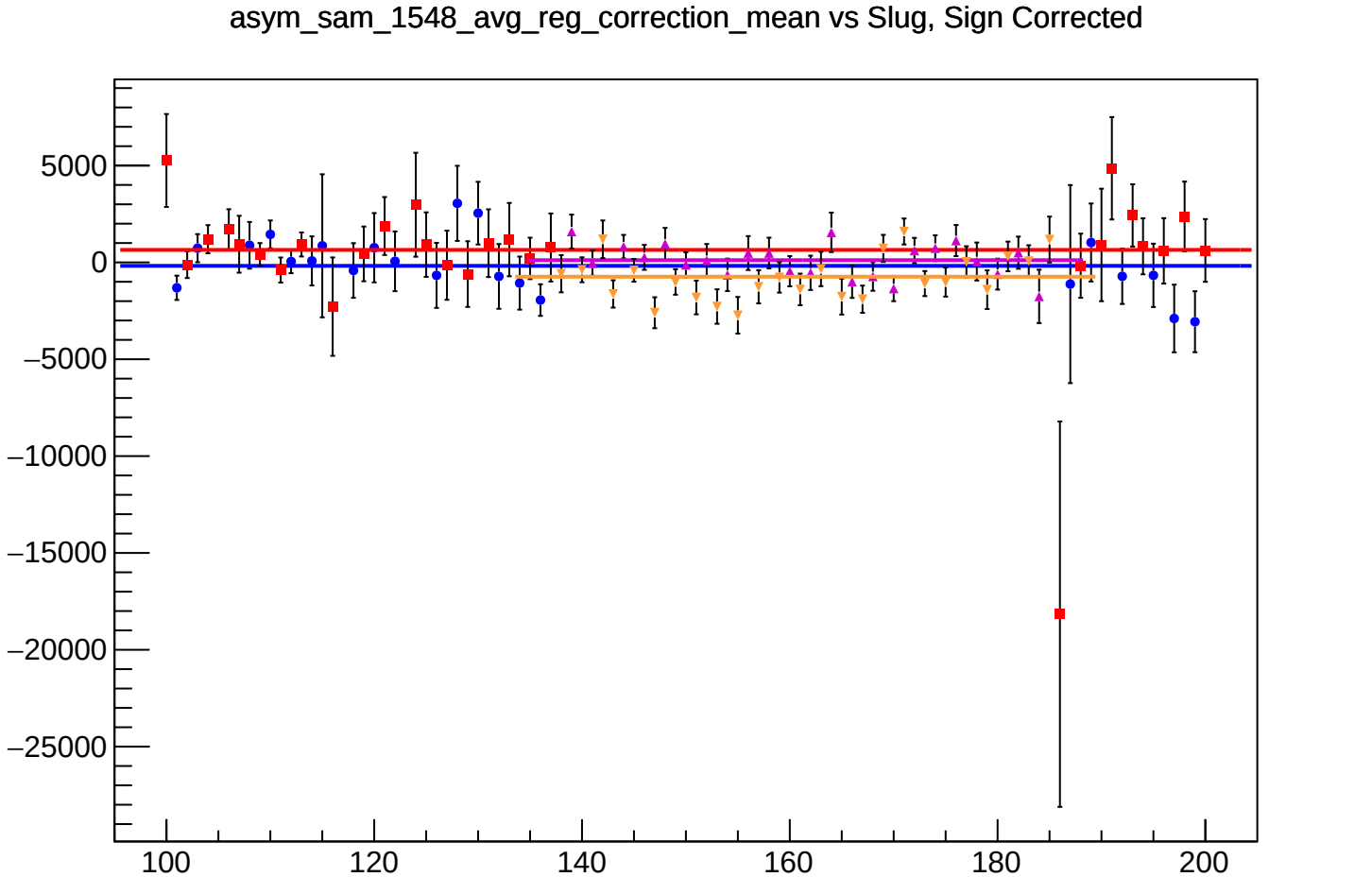
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

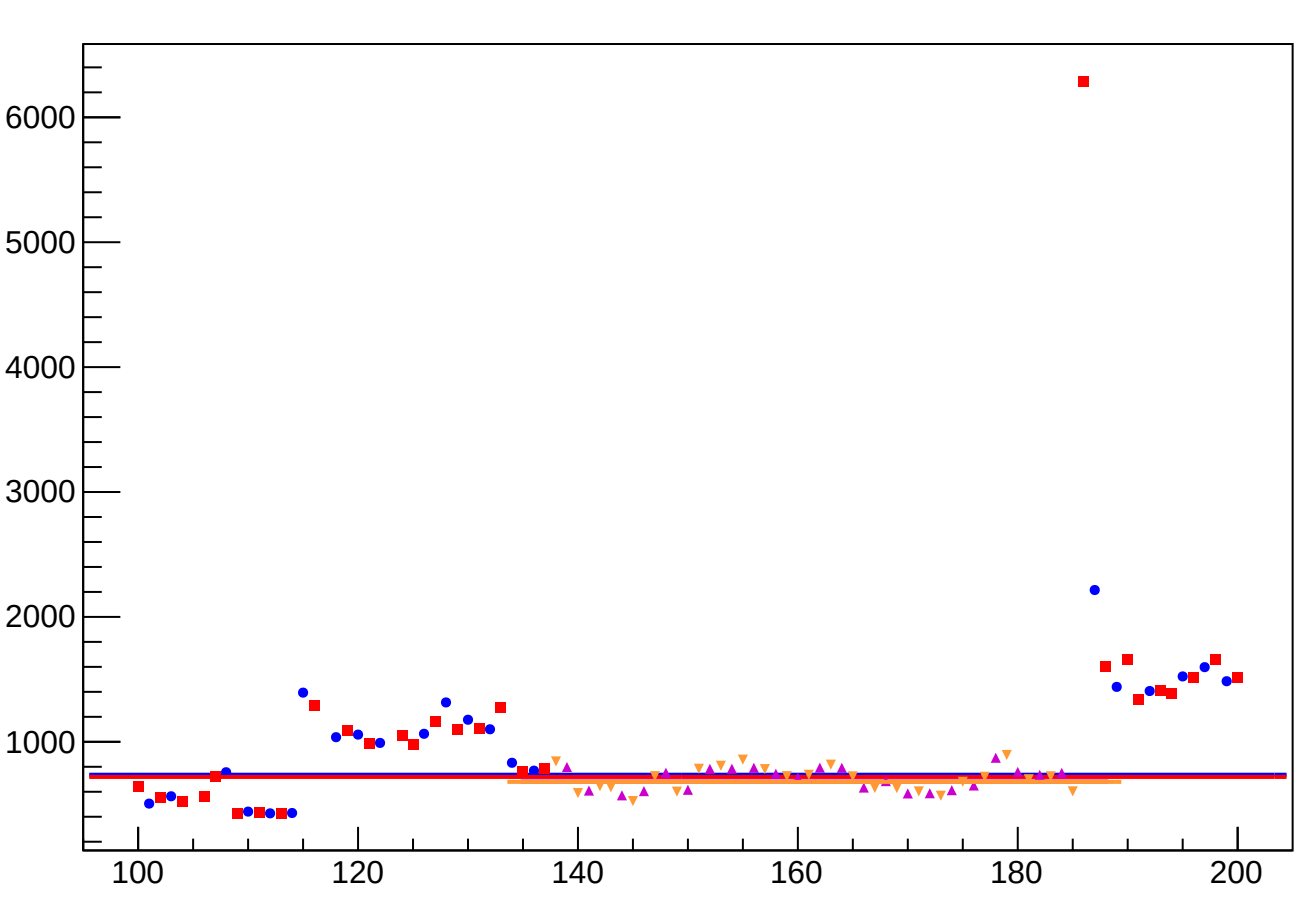
Right: 91.087+/-0.014 χ^2/NDF: 5178240.5/49

In: 96.662+/-0.013 χ^2/NDF:2735176.4/44

Out: 96.017+/-0.012 χ^2/NDF:4052264.1/52

All: 96.324+/-0.009 χ^2/NDF: 6788760.4/97


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: -178.521+/-242.380 χ²/NDF: 28.6/21
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: 268.175+/-164.072 χ²/NDF: 56.8/49
In: 25.591+/-134.104 χ²/NDF:53.4/44
Out: -282.030+/-127.980 χ²/NDF:97.5/52
All: -135.403+/-92.585 χ²/NDF: 153.6/97



Right In: 736.490+/-0.171 χ^2/NDF: 4403300.2/21

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

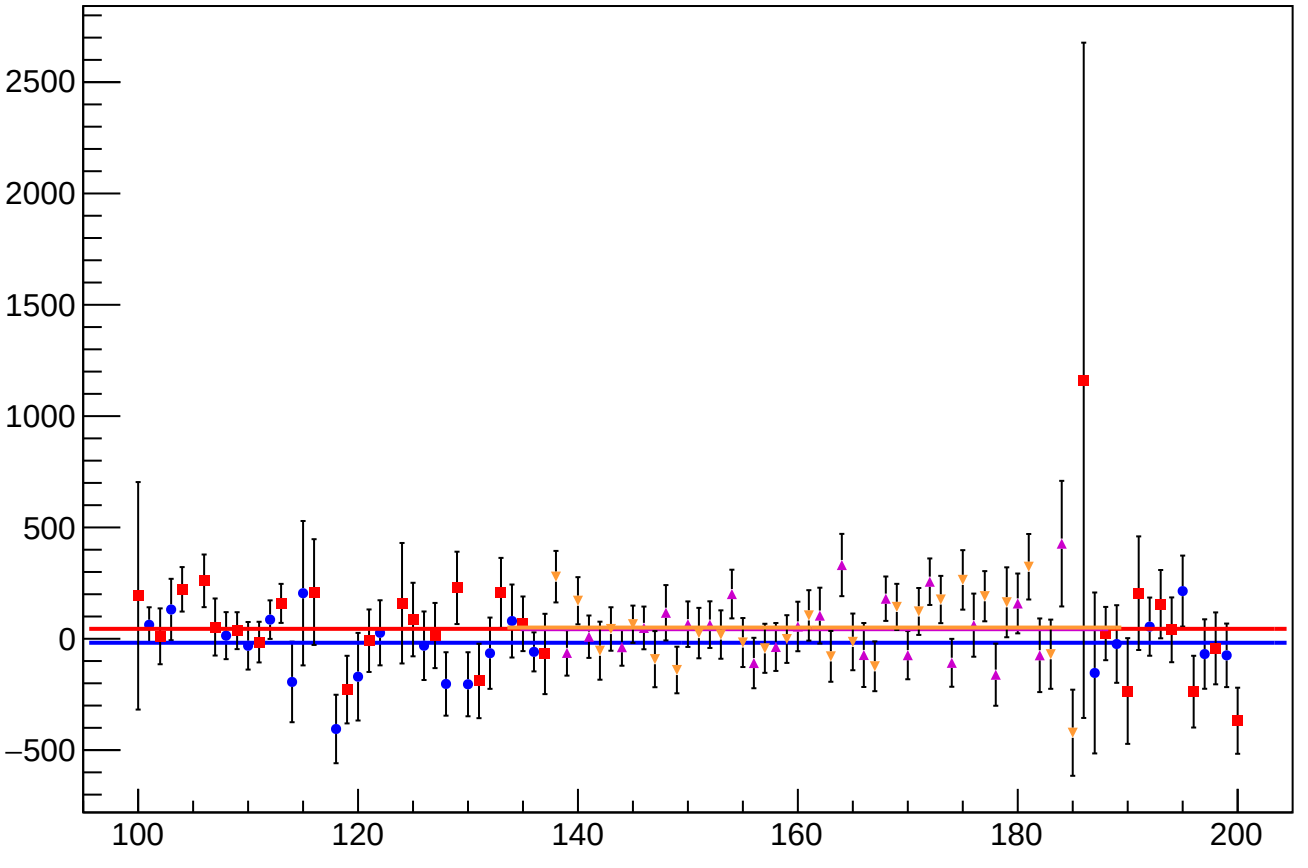
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 726.837+/-0.116 χ^2/NDF: 10740459.3/49

In: 698.606+/-0.095 χ^2/NDF:5047525.8/44

Out: 692.176+/-0.090 χ^2/NDF:7110882.4/52

All: 695.241+/-0.065 χ^2/NDF: 12160814.7/97



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

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

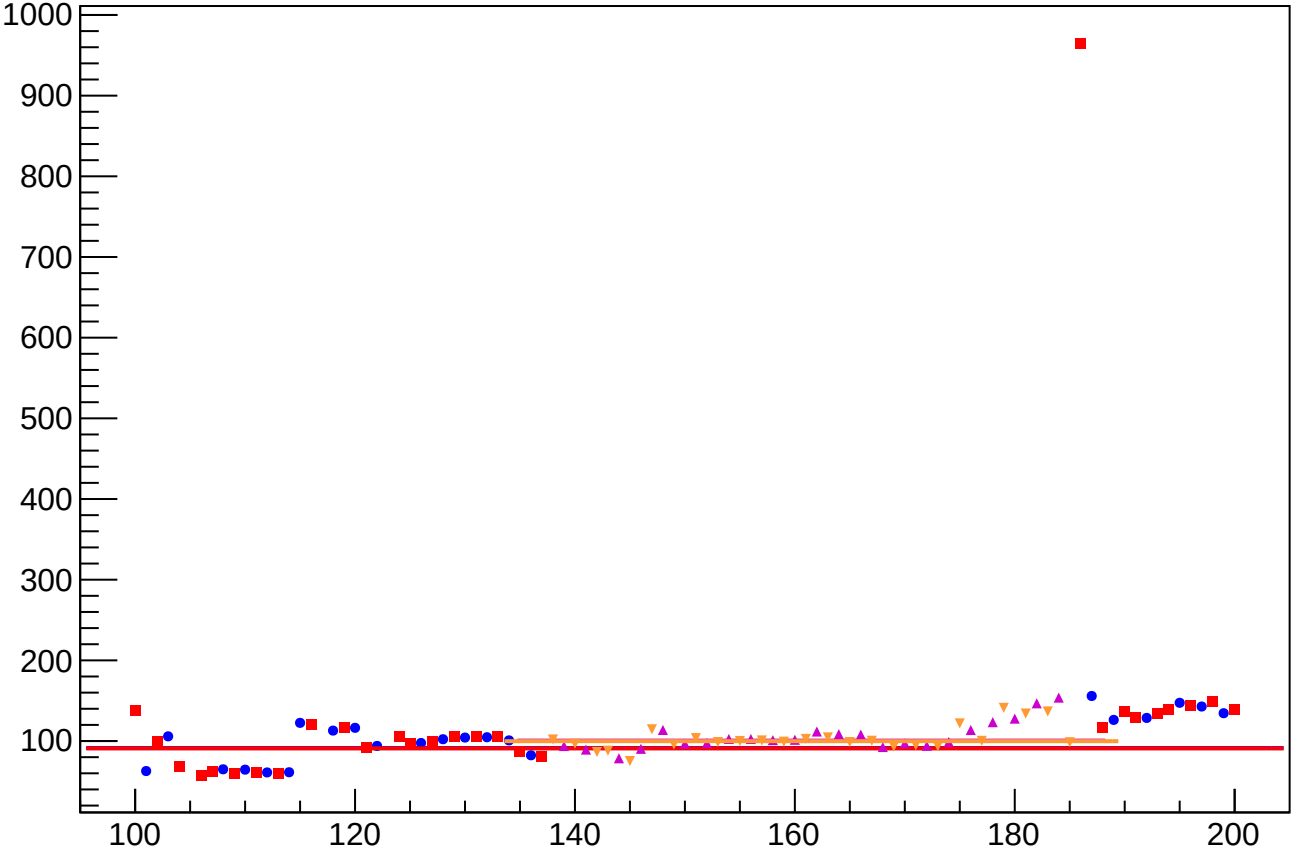
Right: 15.373+/-19.298 χ^2/NDF: 53.3/49

In: 17.753+/-18.180 χ^2/NDF:48.4/44

Out: 47.850+/-17.333 χ^2/NDF:65.1/52

All: 33.519+/-12.545 χ^2/NDF: 115.0/97

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

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

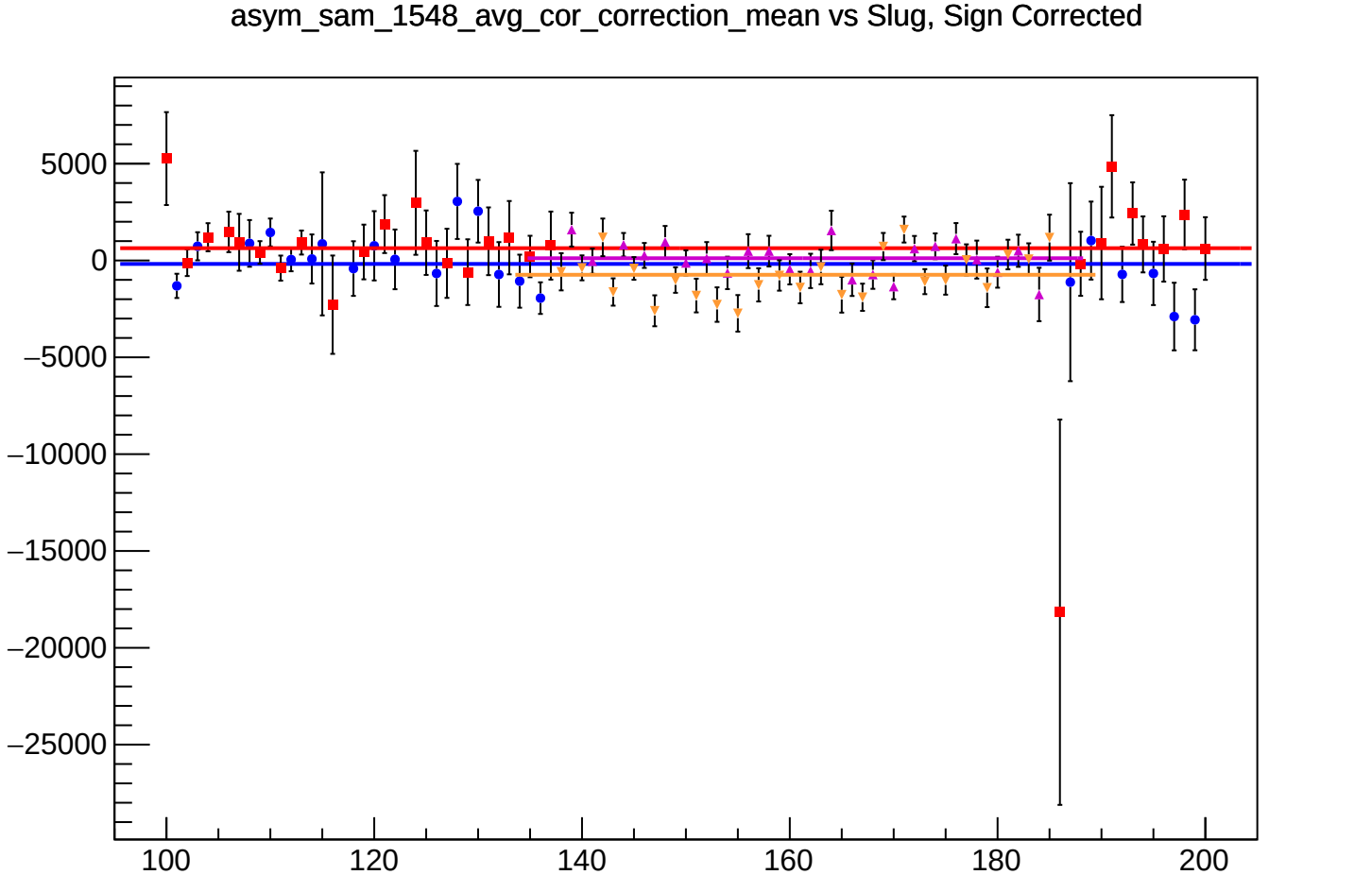
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

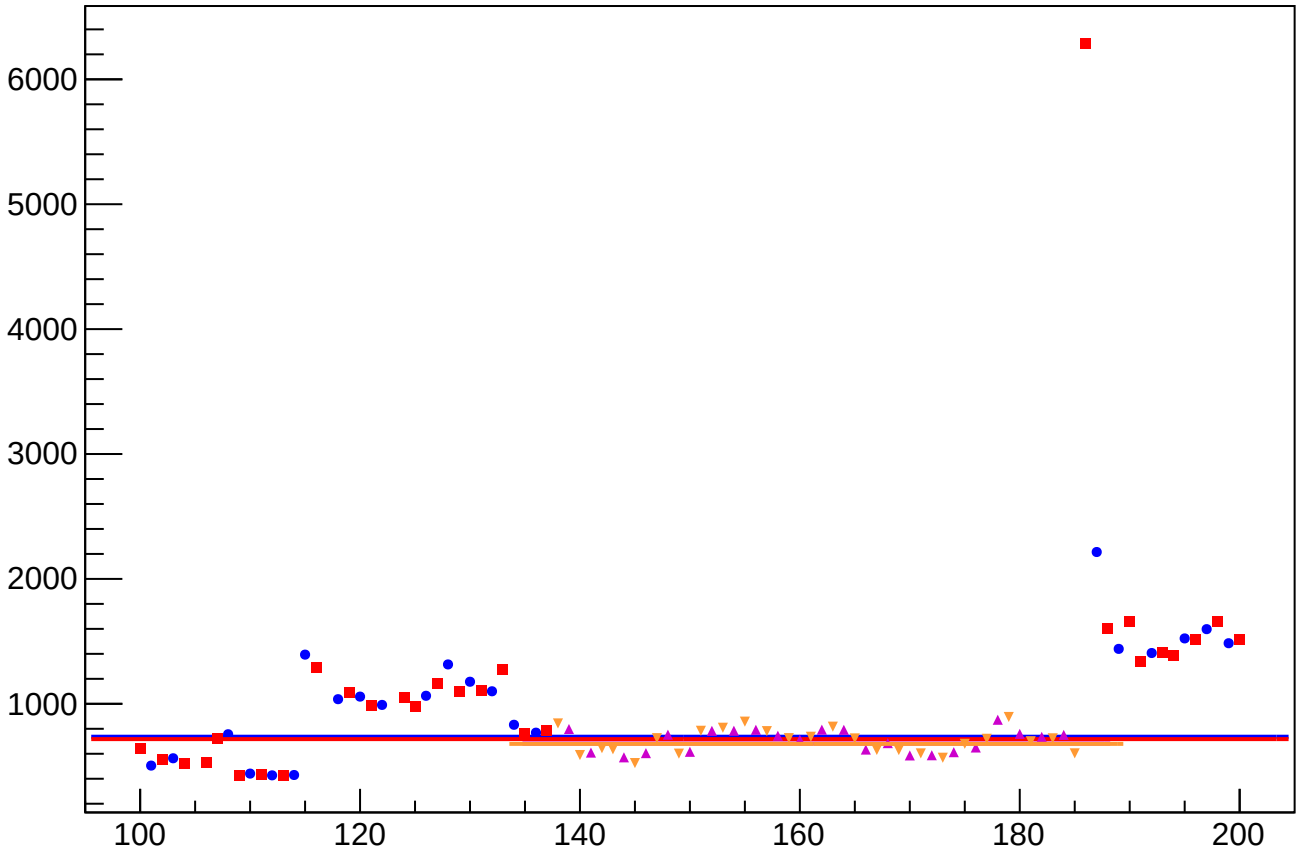
Right: 91.080+/-0.014 χ^2/NDF: 5181400.4/49

In: 96.662+/-0.013 χ^2/NDF:2735177.5/44

Out: 96.011+/-0.012 χ^2/NDF:4055791.5/52

All: 96.321+/-0.009 χ^2/NDF: 6792311.6/97


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -178.547+/-242.382 χ²/NDF: 28.6/21
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 634.765+/-223.028 χ²/NDF: 21.5/27
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 261.873+/-164.121 χ²/NDF: 56.2/49
In: 25.585+/-134.104 χ²/NDF:53.4/44
Out: -286.048+/-128.003 χ²/NDF:96.6/52
All: -137.481+/-92.594 χ²/NDF: 152.8/97



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

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

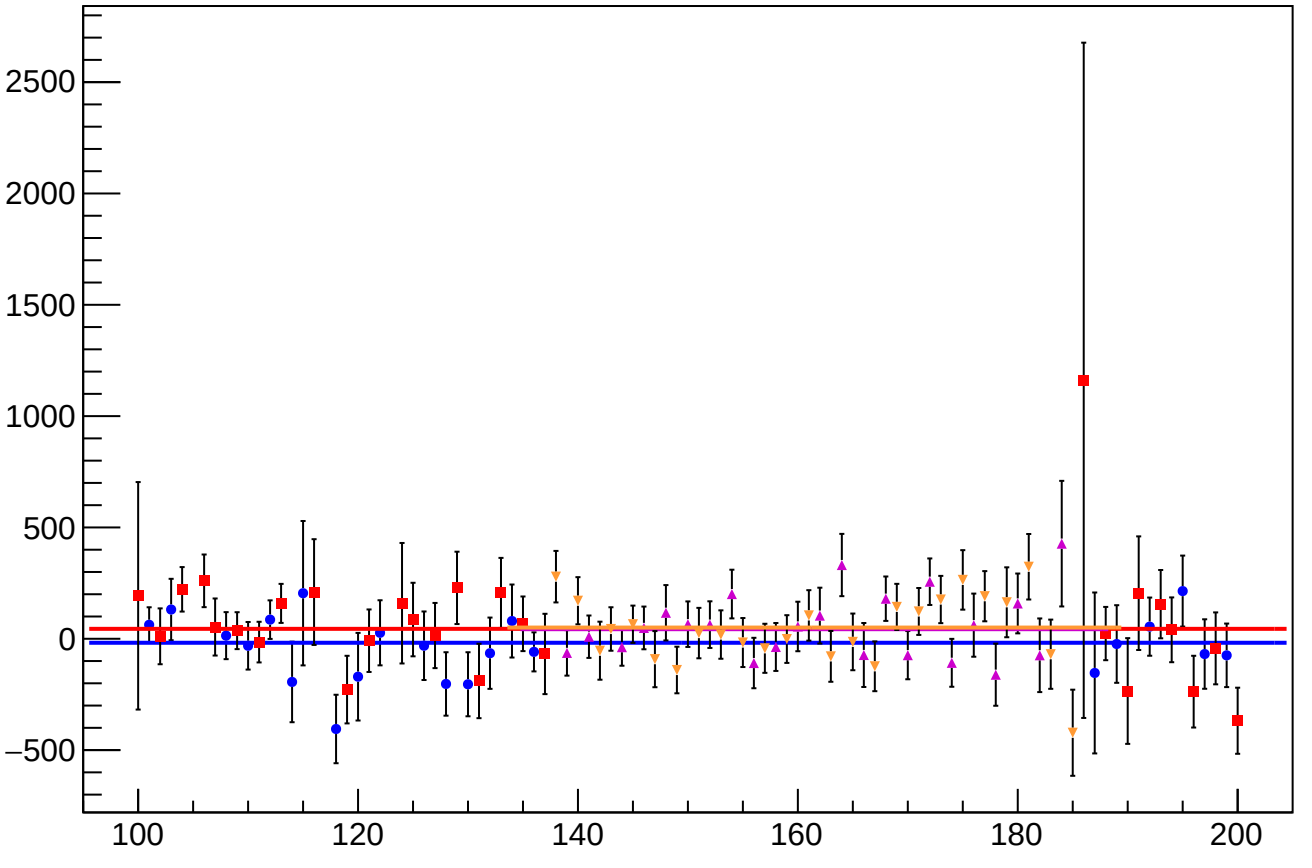
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 726.121+/-0.116 χ^2/NDF: 10761317.1/49

In: 698.609+/-0.095 χ^2/NDF:5047452.7/44

Out: 691.725+/-0.091 χ^2/NDF:7128082.3/52

All: 695.007+/-0.065 χ^2/NDF: 12178292.6/97



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

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

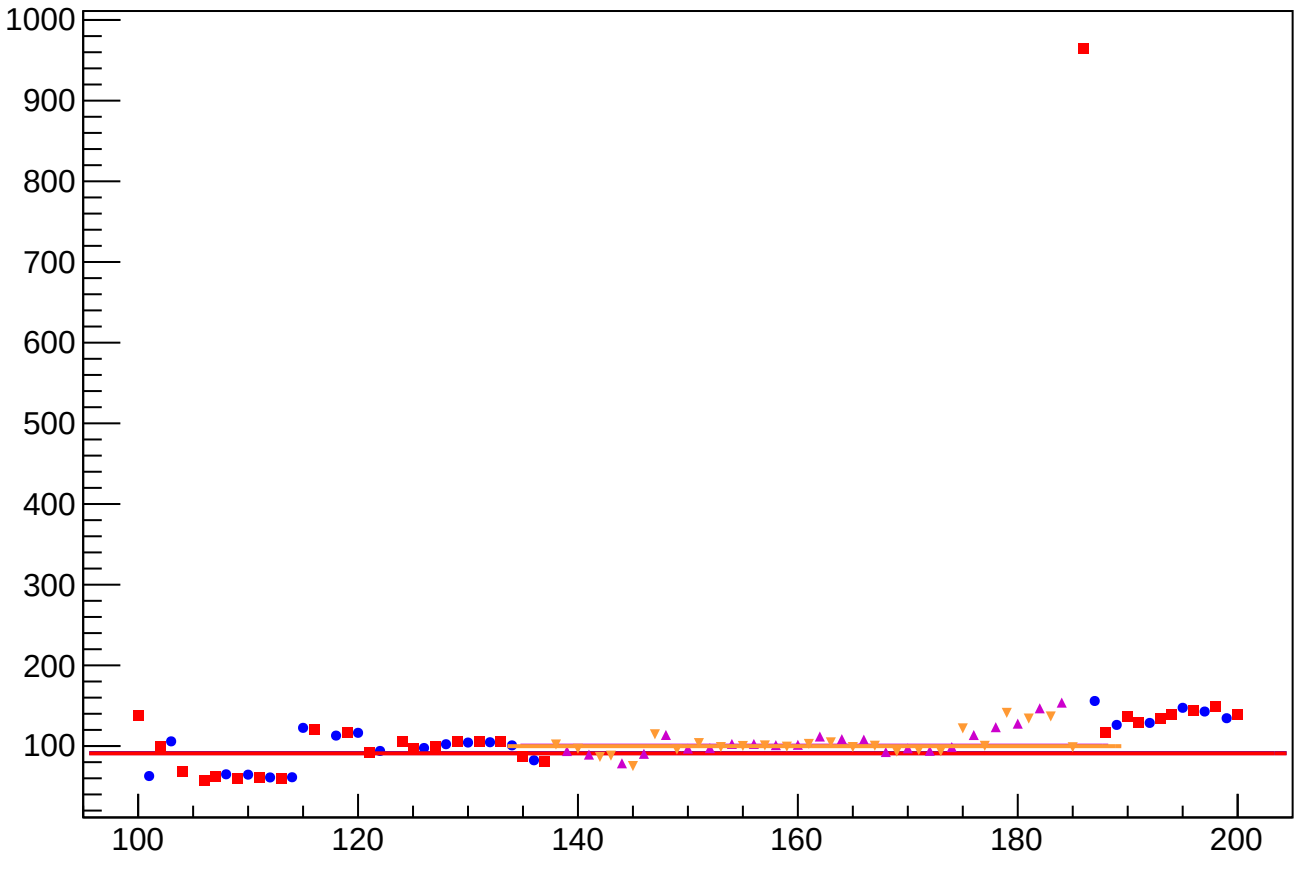
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 15.373+/-19.298 χ^2/NDF: 53.3/49

In: 17.753+/-18.180 χ^2/NDF:48.4/44

Out: 47.850+/-17.333 χ^2/NDF:65.1/52

All: 33.519+/-12.545 χ^2/NDF: 115.0/97



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

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

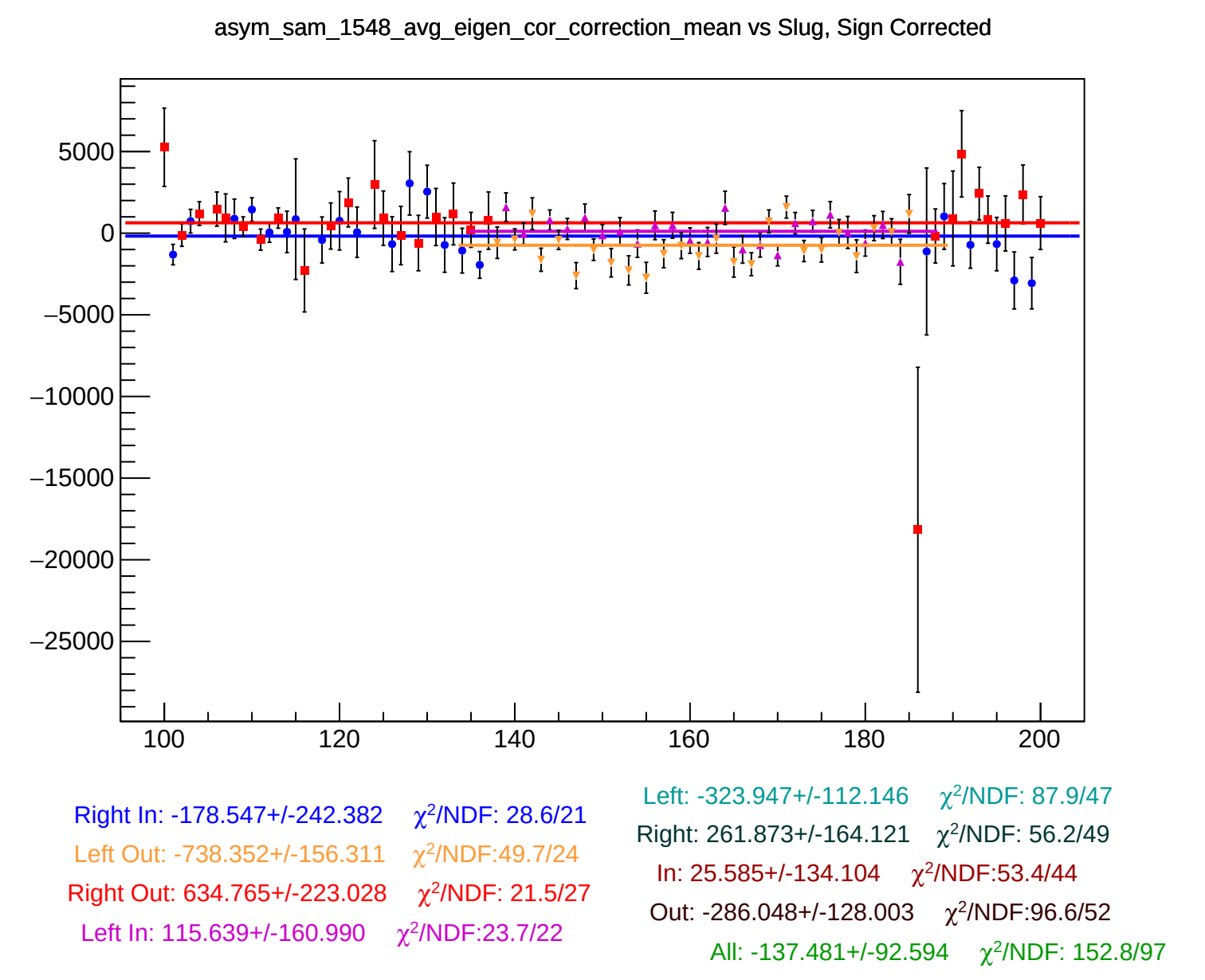
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 91.080+/-0.014 χ^2/NDF: 5181400.4/49

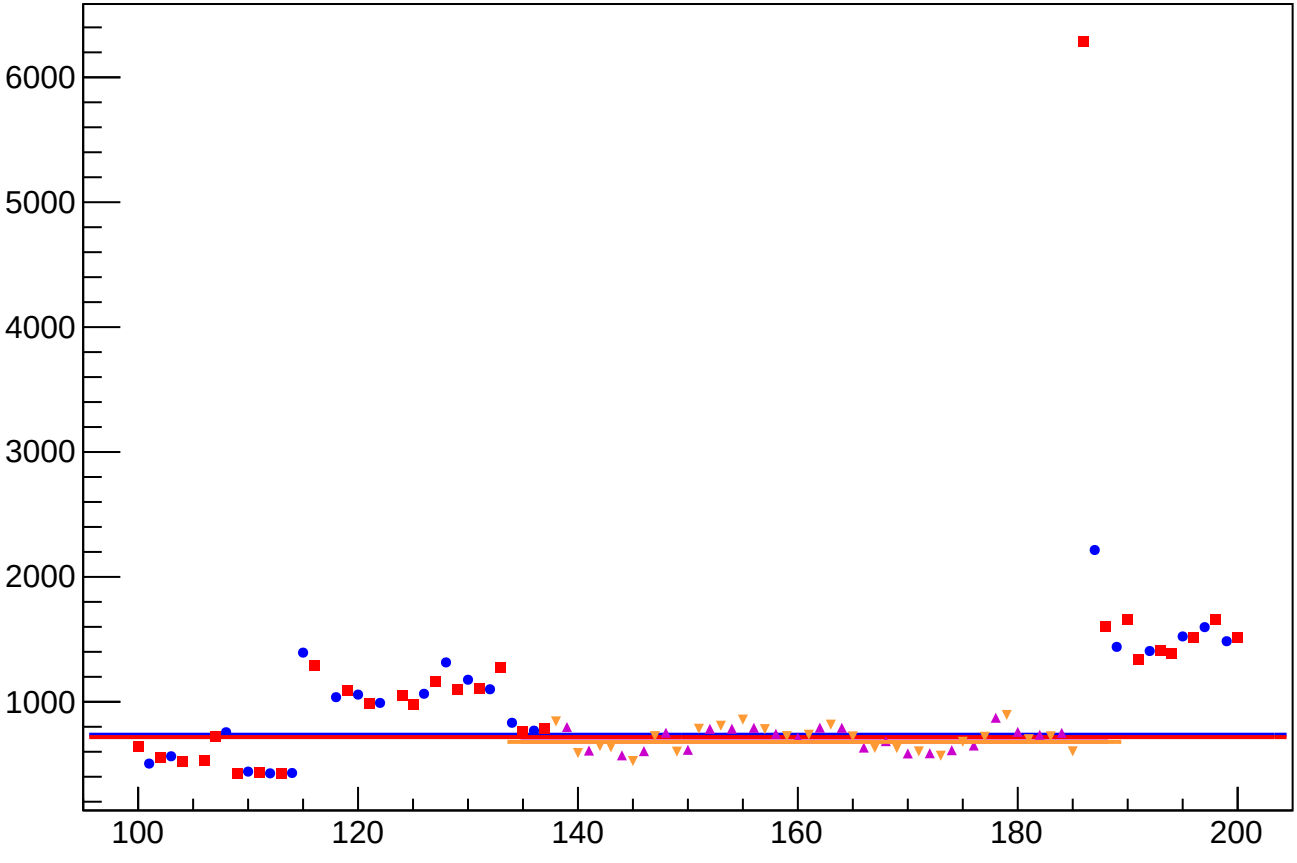
In: 96.662+/-0.013 χ^2/NDF:2735177.5/44

Out: 96.011+/-0.012 χ^2/NDF:4055791.5/52

All: 96.321+/-0.009 χ^2/NDF: 6792311.6/97


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -178.547+/-242.382 χ²/NDF: 28.6/21
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 634.765+/-223.028 χ²/NDF: 21.5/27
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 261.873+/-164.121 χ²/NDF: 56.2/49
In: 25.585+/-134.104 χ²/NDF:53.4/44
Out: -286.048+/-128.003 χ²/NDF:96.6/52
All: -137.481+/-92.594 χ²/NDF: 152.8/97

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

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

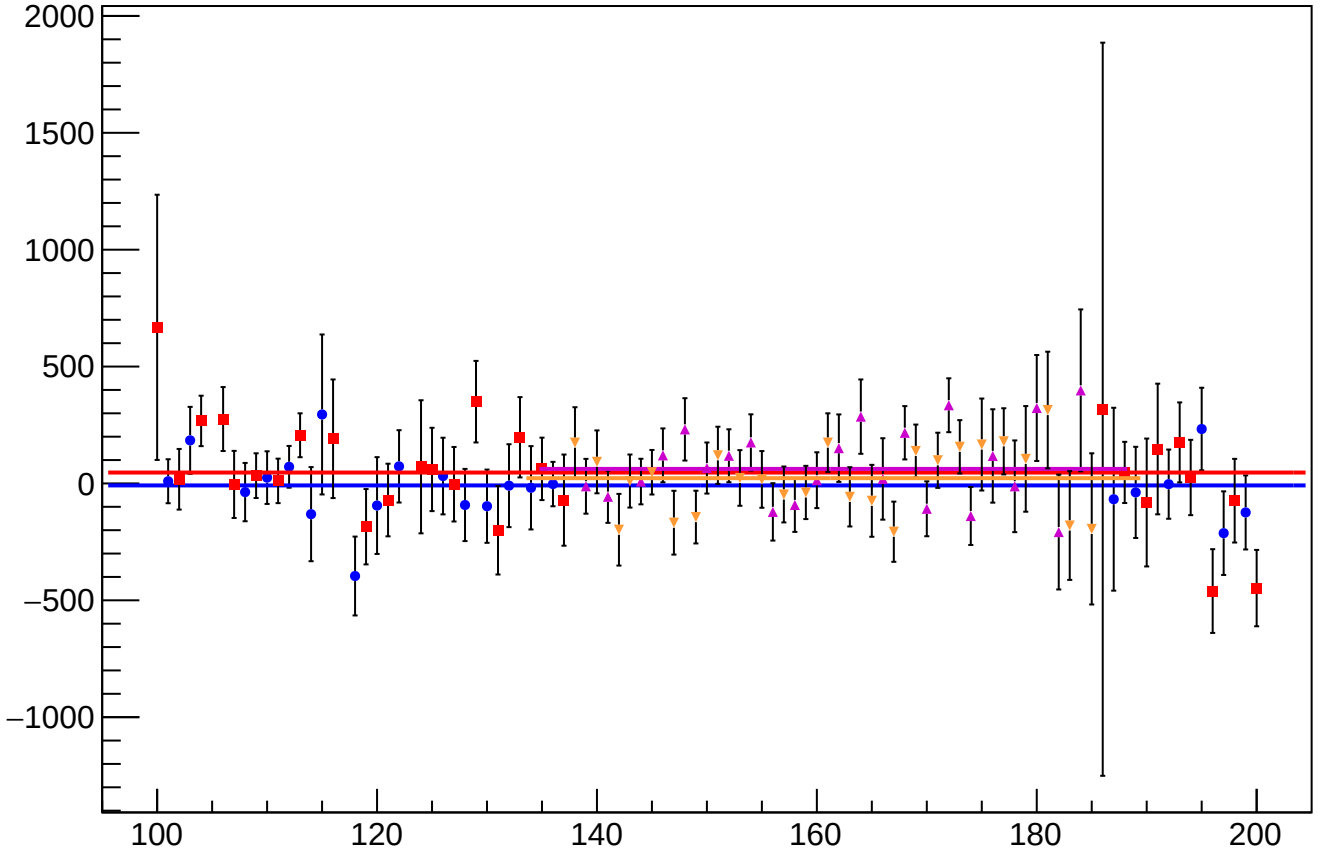
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 726.121+/-0.116 χ^2/NDF: 10761317.1/49

In: 698.609+/-0.095 χ^2/NDF:5047452.7/44

Out: 691.725+/-0.091 χ^2/NDF:7128082.3/52

All: 695.007+/-0.065 χ^2/NDF: 12178292.6/97



Right In: -8.493+/-31.024 χ^2/NDF: 14.1/21

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

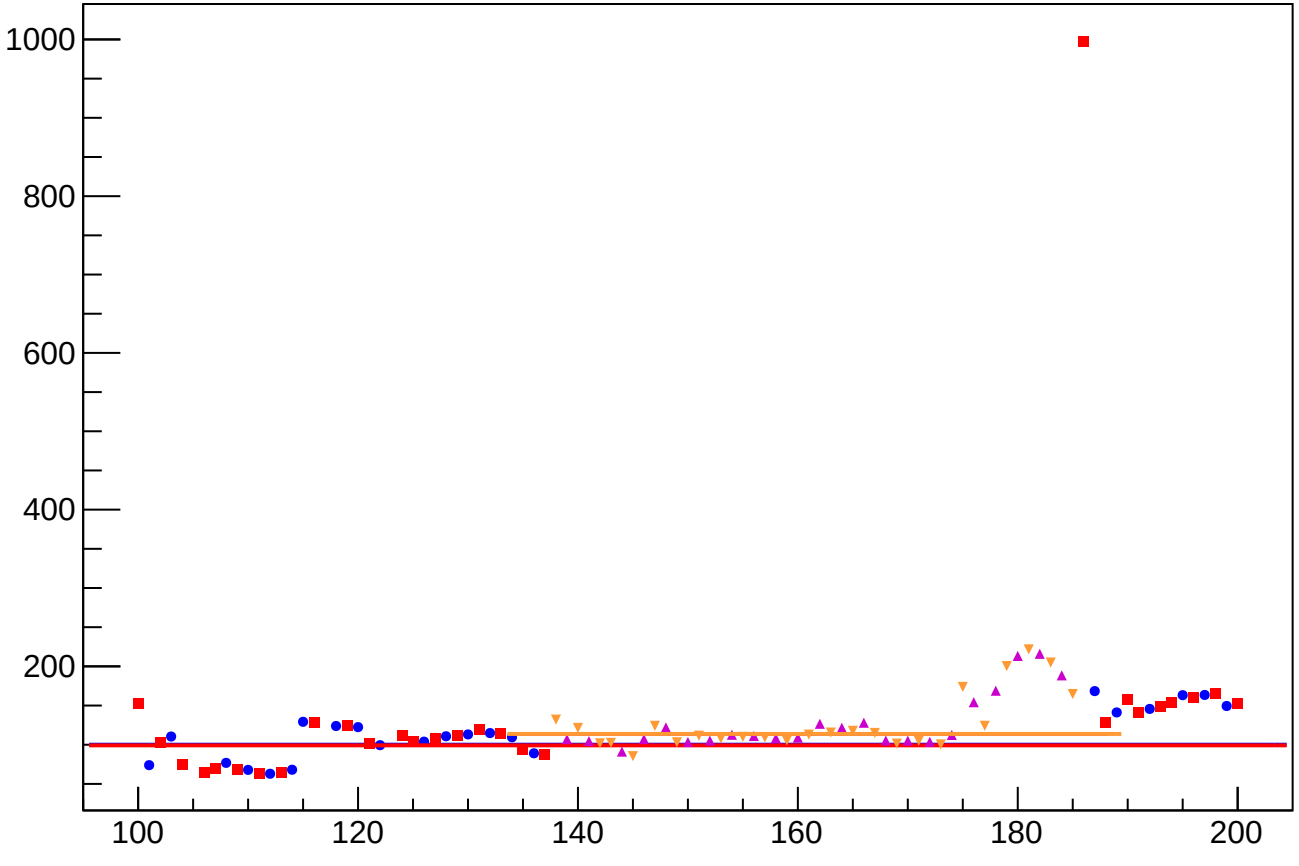
Right: 21.007+/-21.150 χ^2/NDF: 54.7/49

In: 31.282+/-20.511 χ^2/NDF:44.3/44

Out: 33.602+/-19.592 χ^2/NDF:60.9/52

All: 32.495+/-14.167 χ^2/NDF: 105.3/97

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 100.006+/-0.022 χ^2/NDF: 1983459.3/21

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

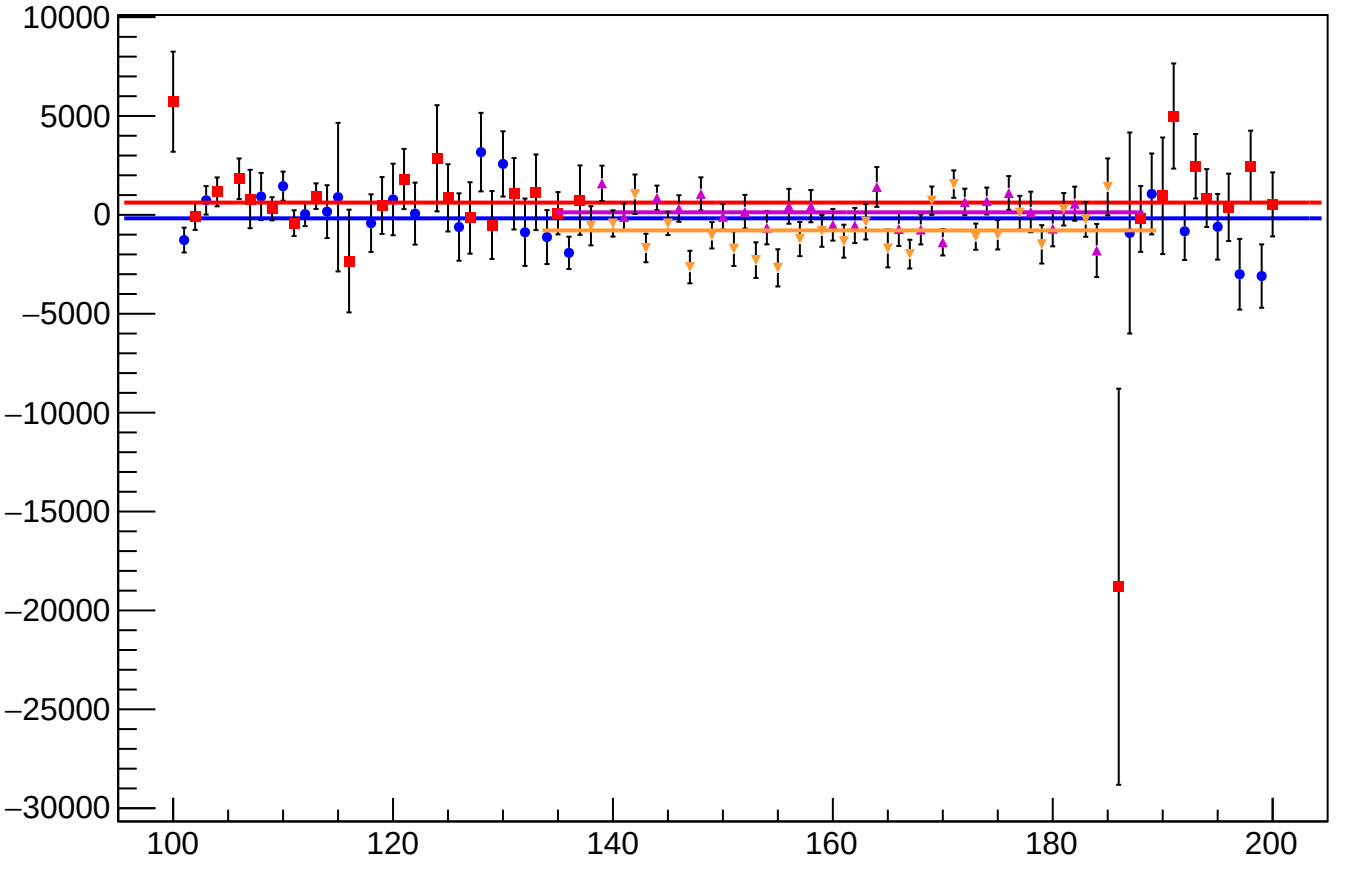
Right: 99.580+/-0.015 χ^2/NDF: 5242305.1/49

In: 107.701+/-0.015 χ^2/NDF:3518095.4/44

Out: 107.081+/-0.014 χ^2/NDF:5112208.5/52

All: 107.377+/-0.010 χ^2/NDF: 8631259.9/97

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

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

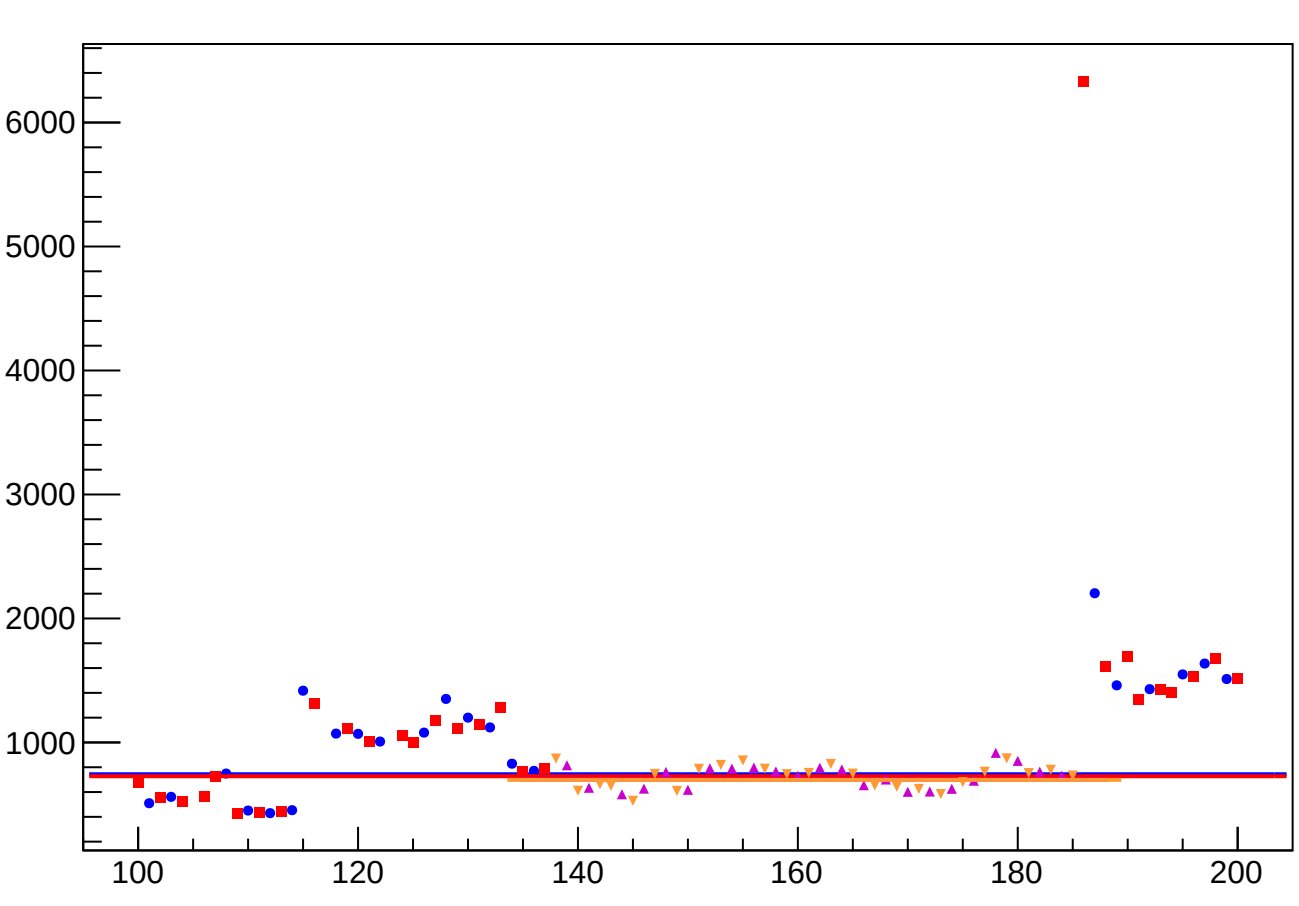
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 255.899+/-165.826 χ^2/NDF: 56.9/49

In: 33.172+/-136.977 χ^2/NDF:52.2/44

Out: -311.402+/-130.727 χ^2/NDF:94.0/52

All: -147.156+/-94.571 χ^2/NDF: 149.5/97



Right In: 743.517+/-0.173 χ^2/NDF: 4448923.6/21

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

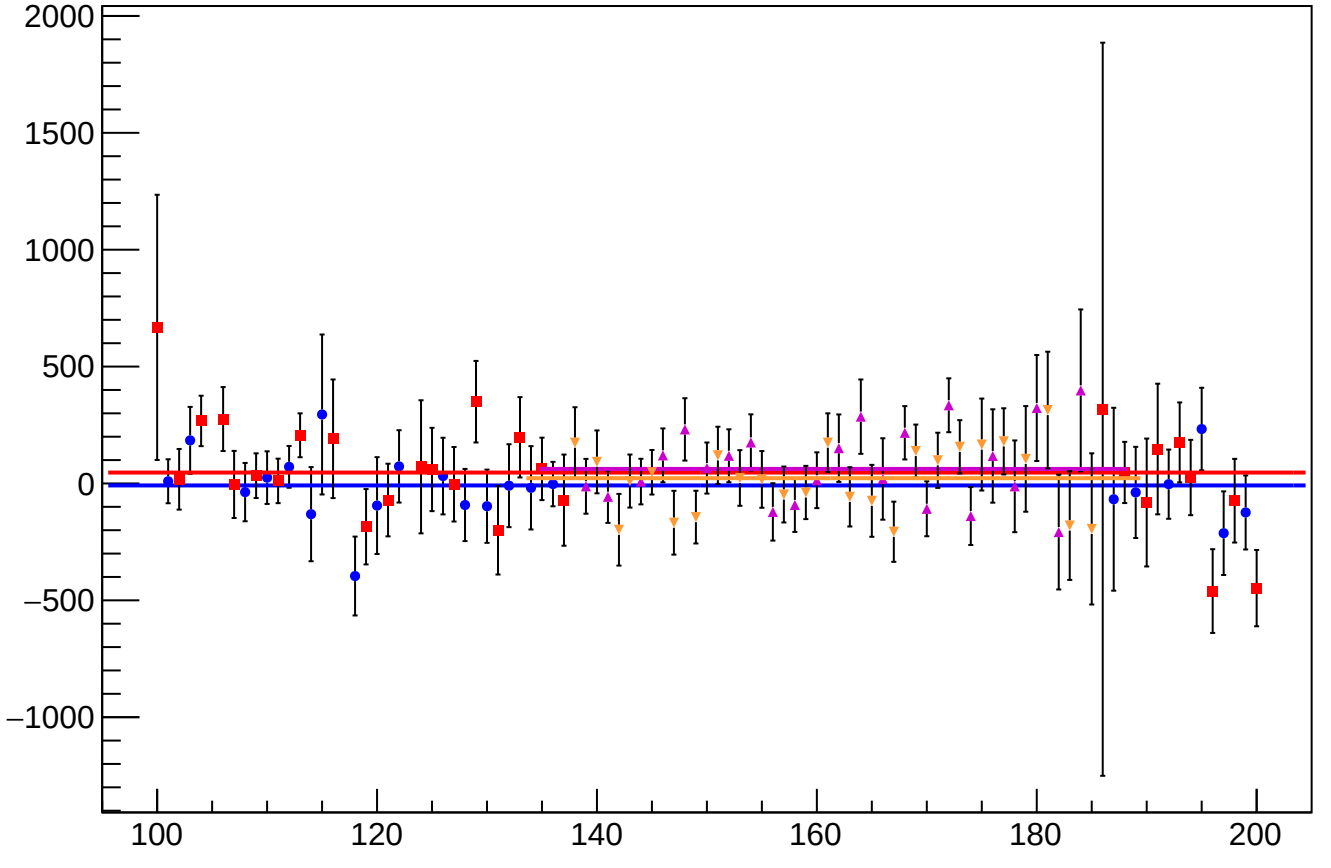
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 734.842+/-0.117 χ^2/NDF: 10770602.8/49

In: 713.673+/-0.097 χ^2/NDF:5076486.8/44

Out: 708.080+/-0.092 χ^2/NDF:7054090.4/52

All: 710.746+/-0.067 χ^2/NDF: 12132322.4/97



Right In: -8.492+/-31.024 χ^2/NDF: 14.1/21

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

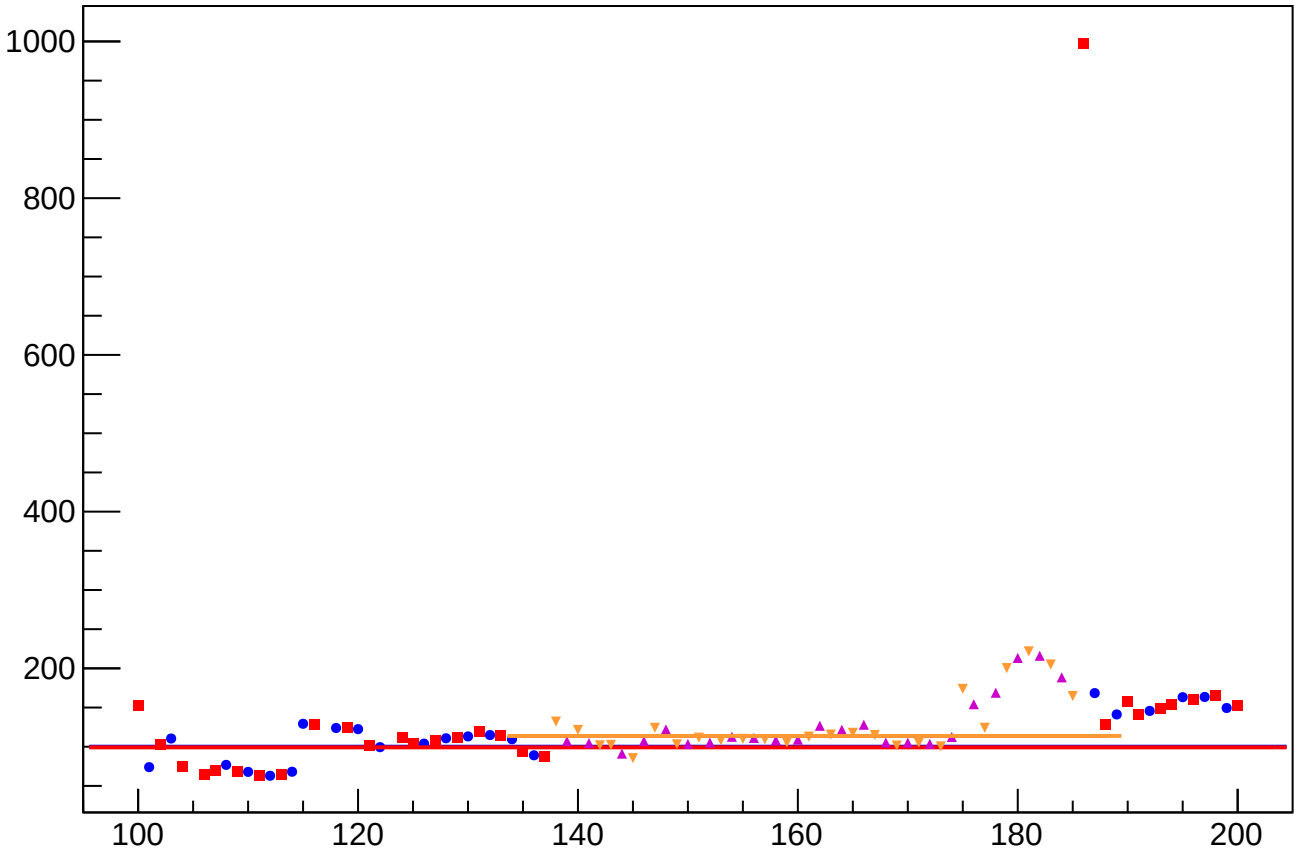
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 21.008+/-21.150 χ^2/NDF: 54.7/49

In: 31.283+/-20.511 χ^2/NDF:44.3/44

Out: 33.602+/-19.592 χ^2/NDF:60.9/52

All: 32.496+/-14.167 χ^2/NDF: 105.3/97



Right In: 100.006+/-0.022 χ^2/NDF: 1983451.4/21

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

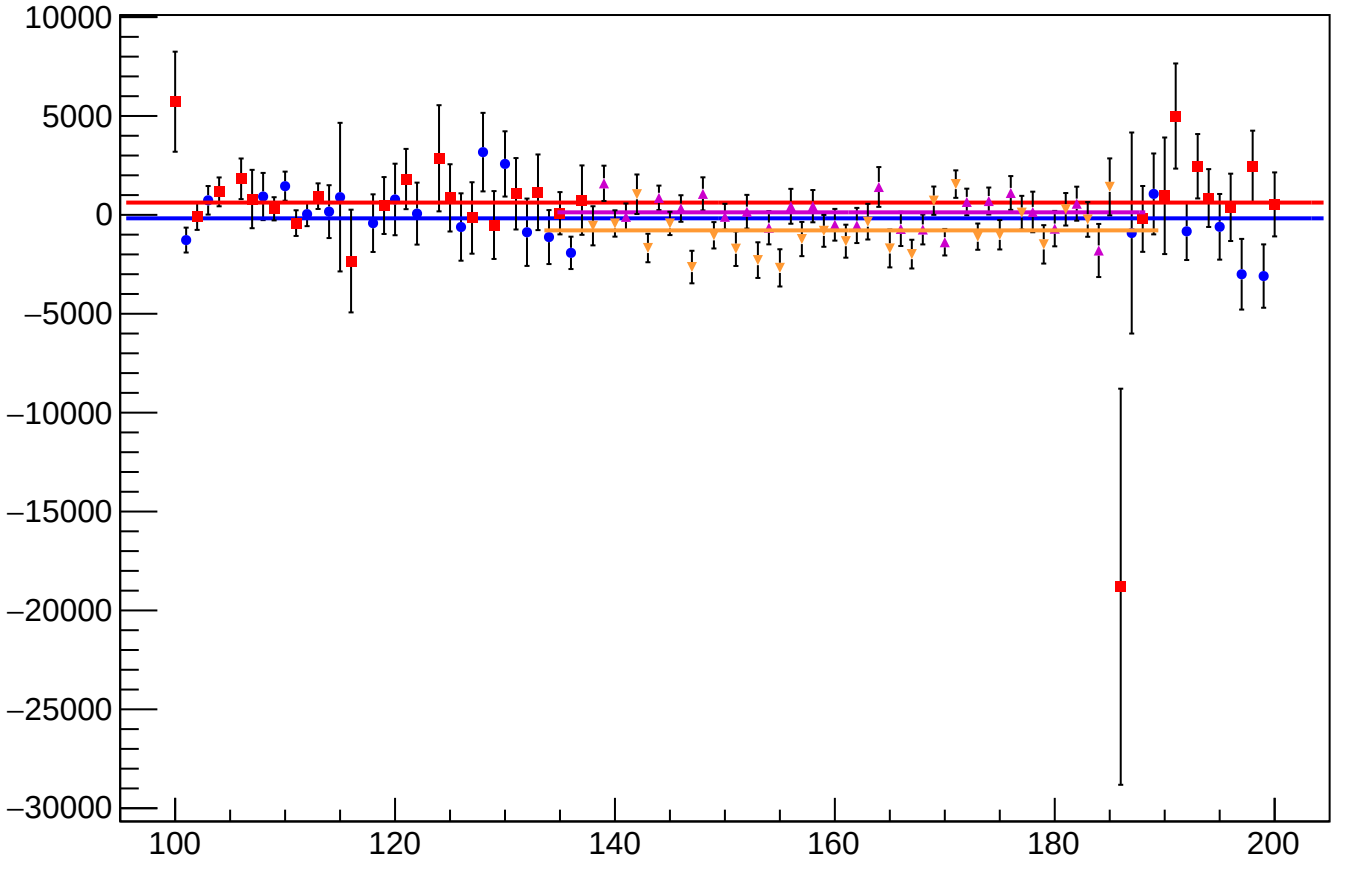
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 99.580+/-0.015 χ^2/NDF: 5242298.0/49

In: 107.701+/-0.015 χ^2/NDF:3518072.8/44

Out: 107.081+/-0.014 χ^2/NDF:5112205.6/52

All: 107.377+/-0.010 χ^2/NDF: 8631234.4/97



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

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

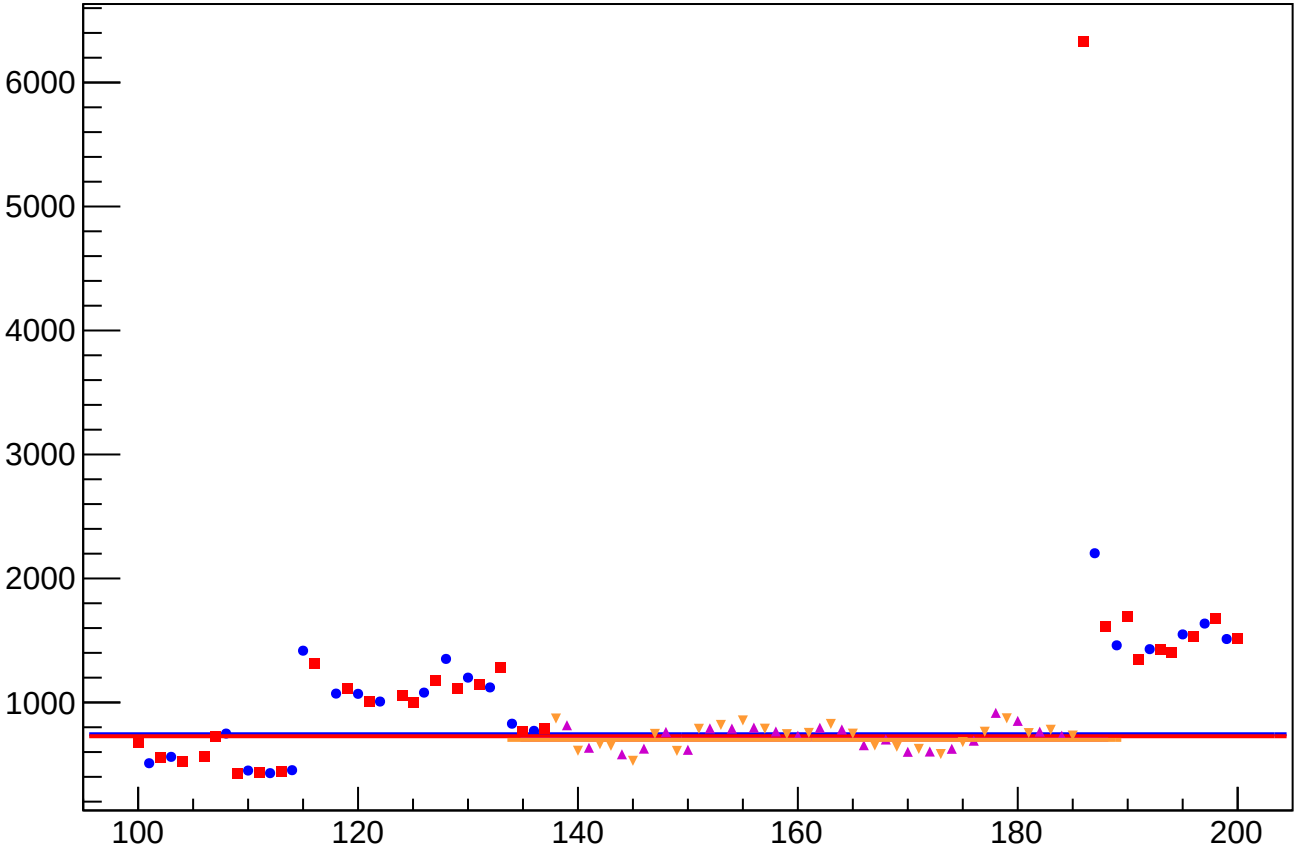
Right: 255.899+/-165.826 χ^2/NDF: 56.9/49

In: 33.171+/-136.977 χ^2/NDF:52.2/44

Out: -311.401+/-130.727 χ^2/NDF:94.0/52

All: -147.155+/-94.570 χ^2/NDF: 149.5/97

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 743.516+/-0.173 χ^2/NDF: 4448925.9/21

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

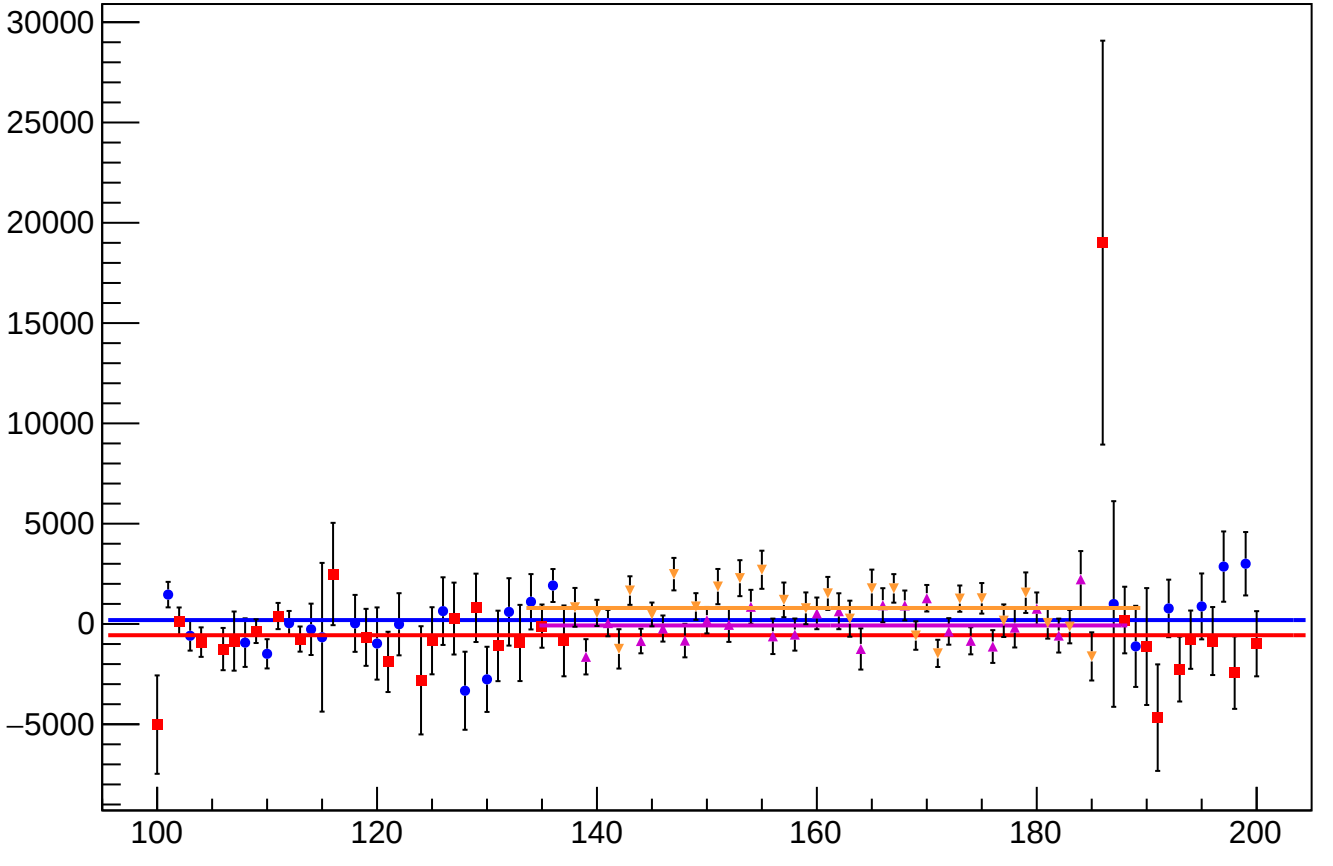
Right: 734.841+/-0.117 χ^2/NDF: 10770601.6/49

In: 713.672+/-0.097 χ^2/NDF:5076484.1/44

Out: 708.079+/-0.092 χ^2/NDF:7054085.3/52

All: 710.745+/-0.067 χ^2/NDF: 12132314.6/97

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 194.152+/-244.840 χ^2/NDF: 29.8/21

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

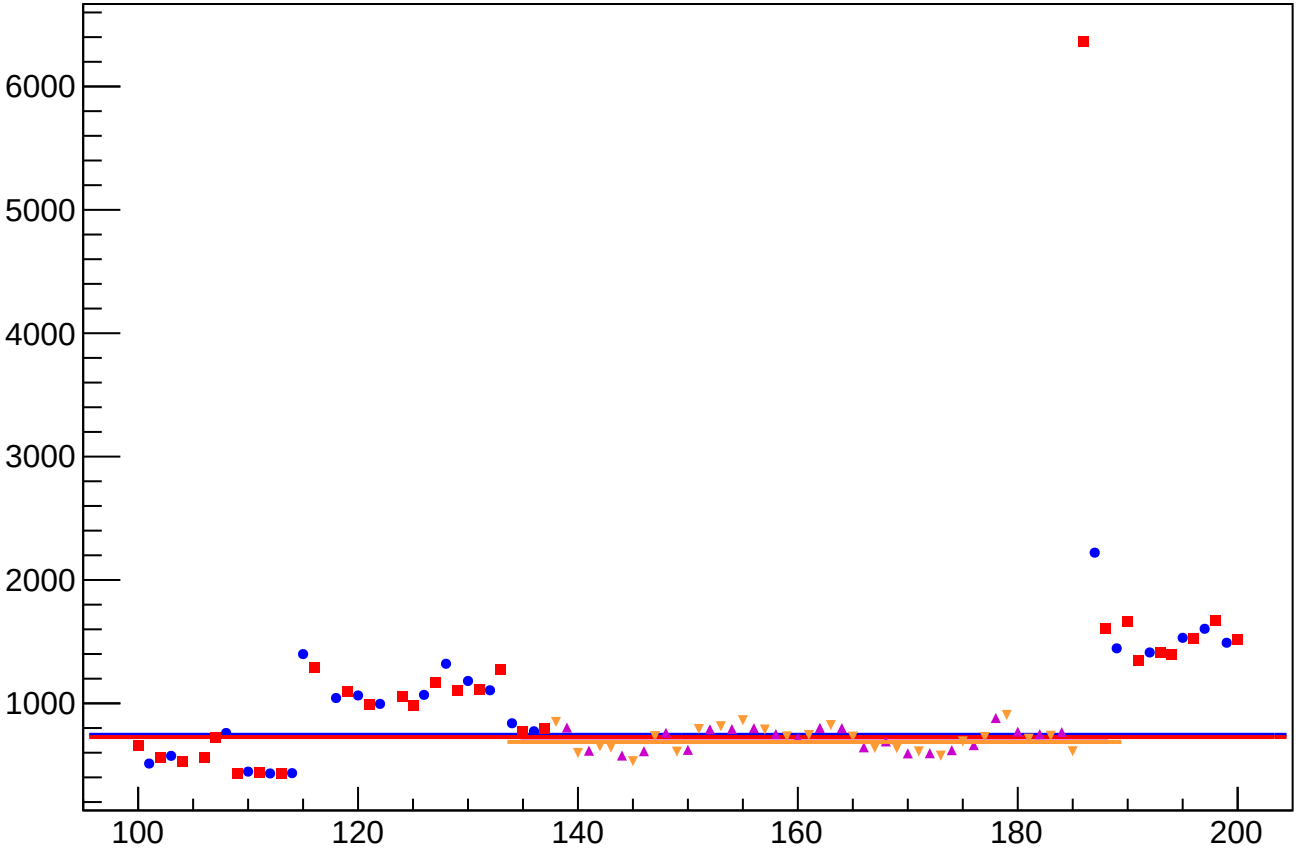
Right: -214.872+/-165.739 χ^2/NDF: 55.1/49

In: 8.611+/-135.613 χ^2/NDF:55.5/44

Out: 348.425+/-129.414 χ^2/NDF:90.9/52

All: 186.461+/-93.624 χ^2/NDF: 149.7/97

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 745.069+/-0.173 χ^2/NDF: 4343040.7/21

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

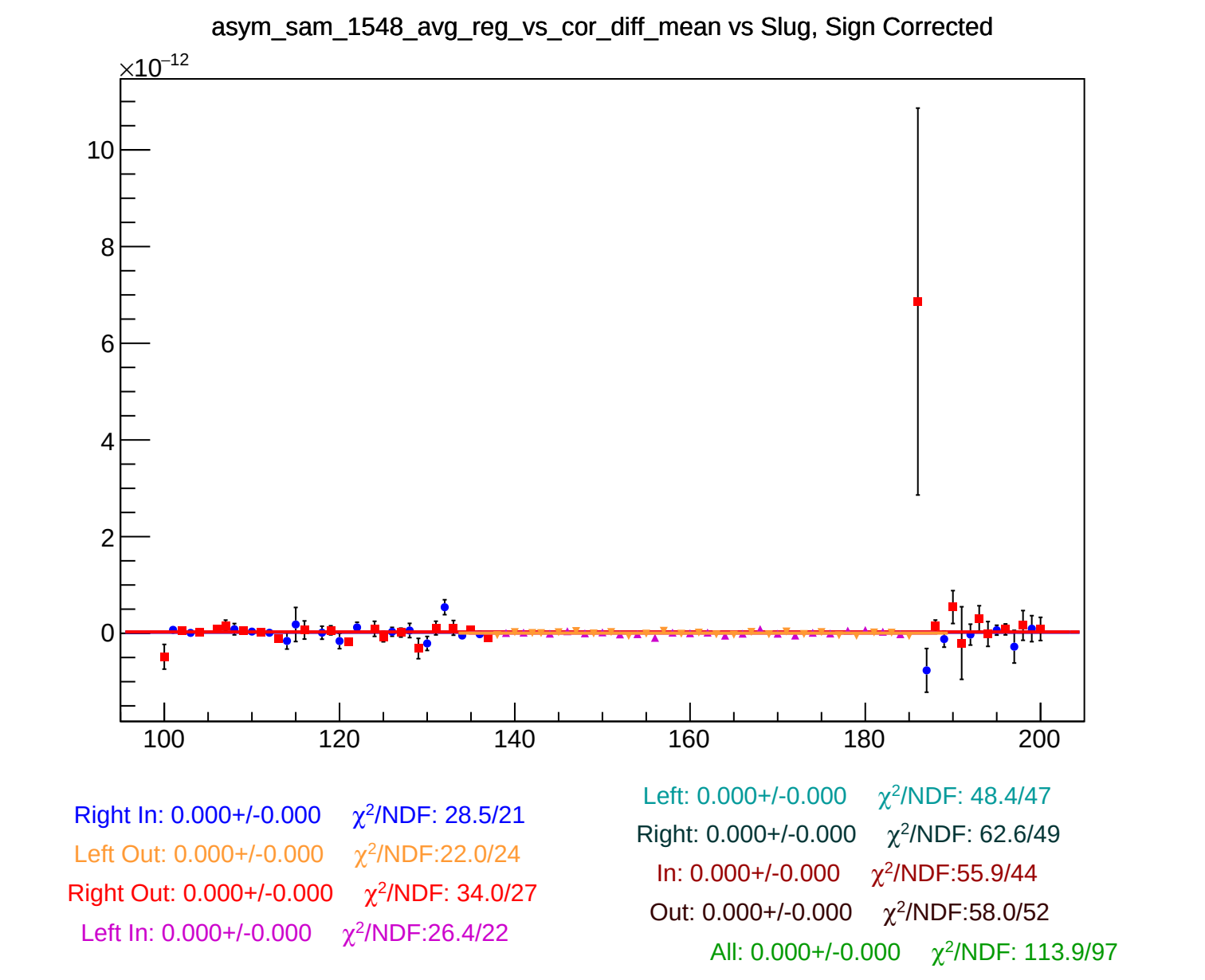
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 735.196+/-0.117 χ^2/NDF: 10614791.6/49

In: 706.892+/-0.096 χ^2/NDF:4980275.7/44

Out: 700.324+/-0.092 χ^2/NDF:7035171.1/52

All: 703.455+/-0.066 χ^2/NDF: 12017902.3/97


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
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2
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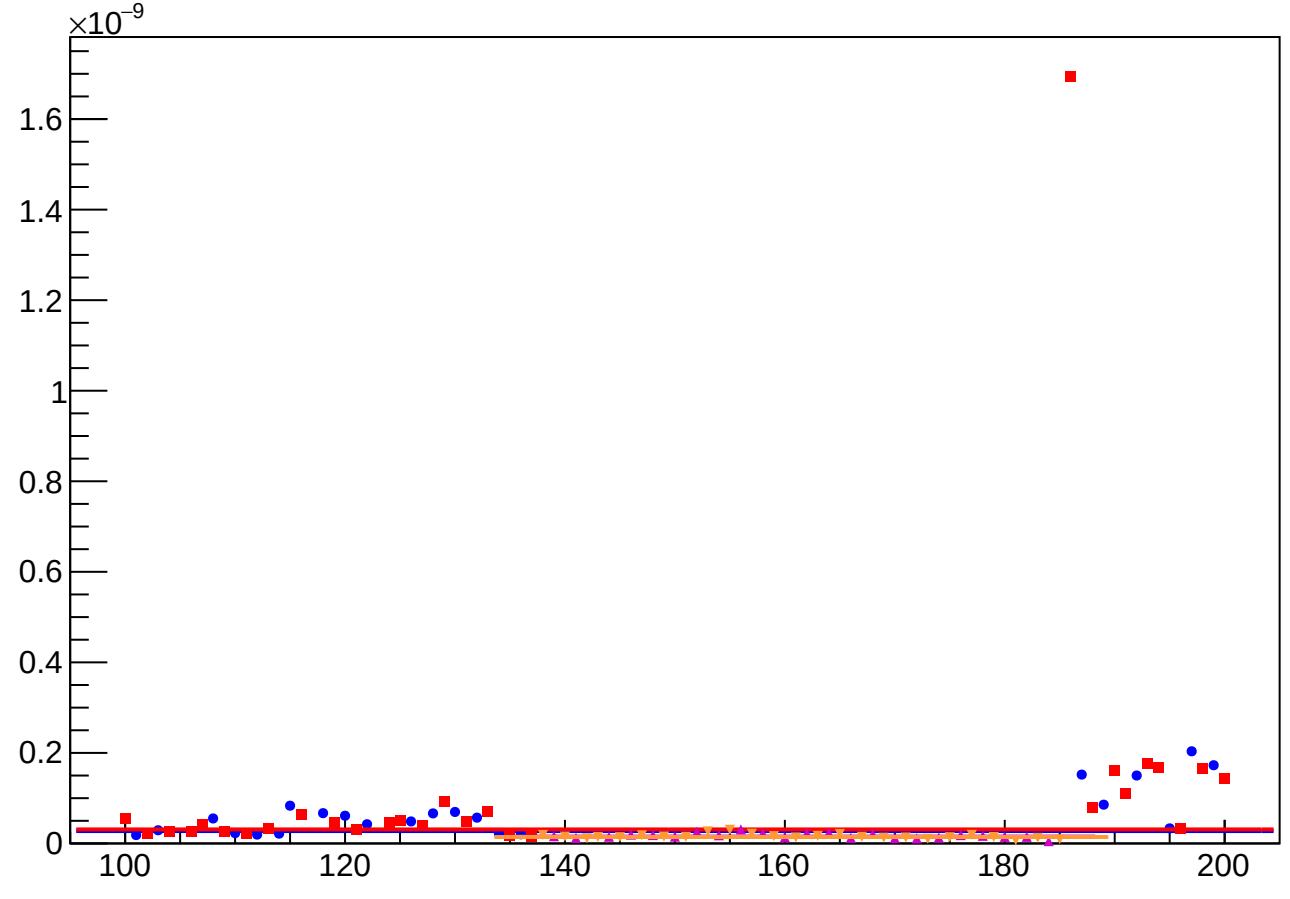
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 28.5/21
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.0/27
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 62.6/49
In: 0.000+/-0.000 χ²/NDF:55.9/44
Out: 0.000+/-0.000 χ²/NDF:58.0/52
All: 0.000+/-0.000 χ²/NDF: 113.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 3528187.6/21

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

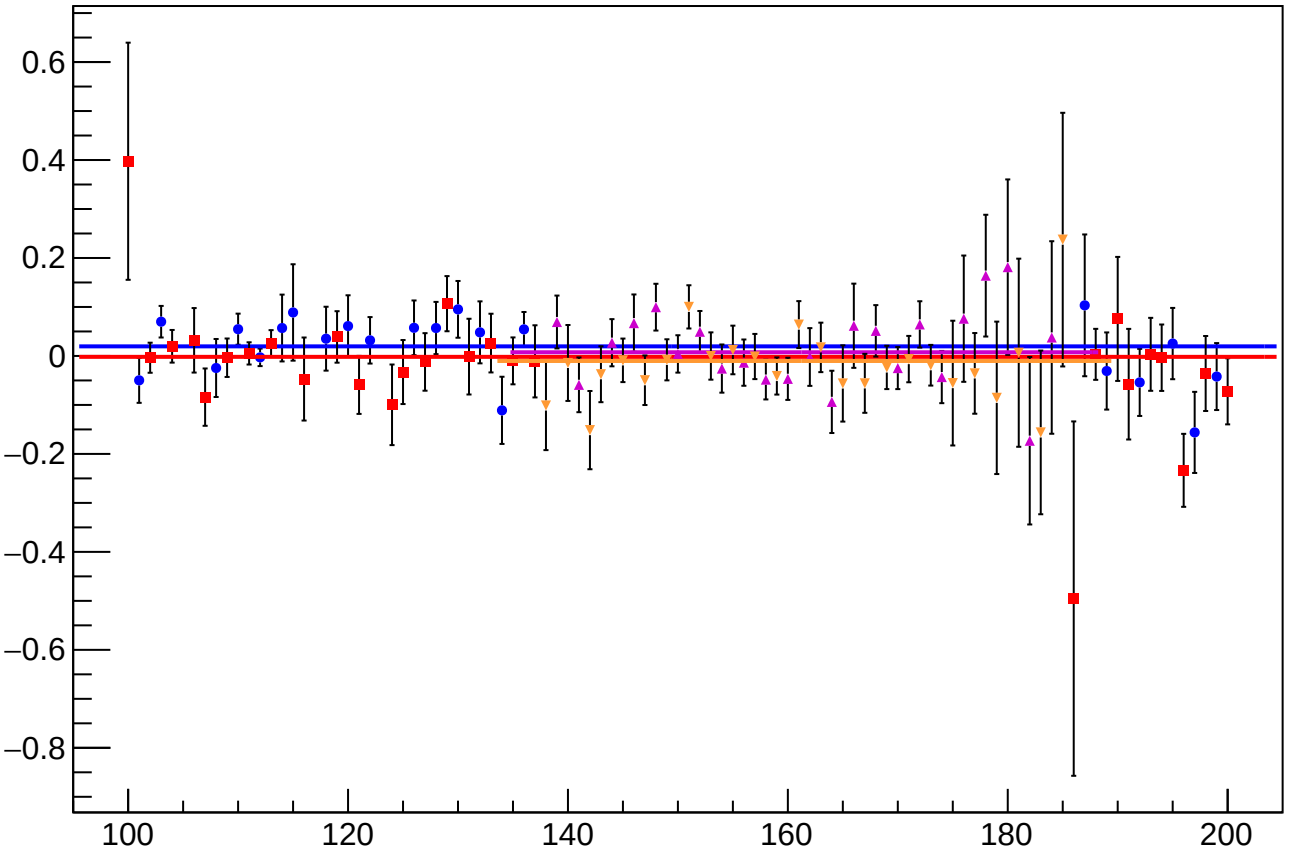
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7666089.3/49

In: 0.000+/-0.000 χ^2/NDF:5788537.3/44

Out: 0.000+/-0.000 χ^2/NDF:7043886.1/52

All: 0.000+/-0.000 χ^2/NDF: 12852702.8/97



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

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

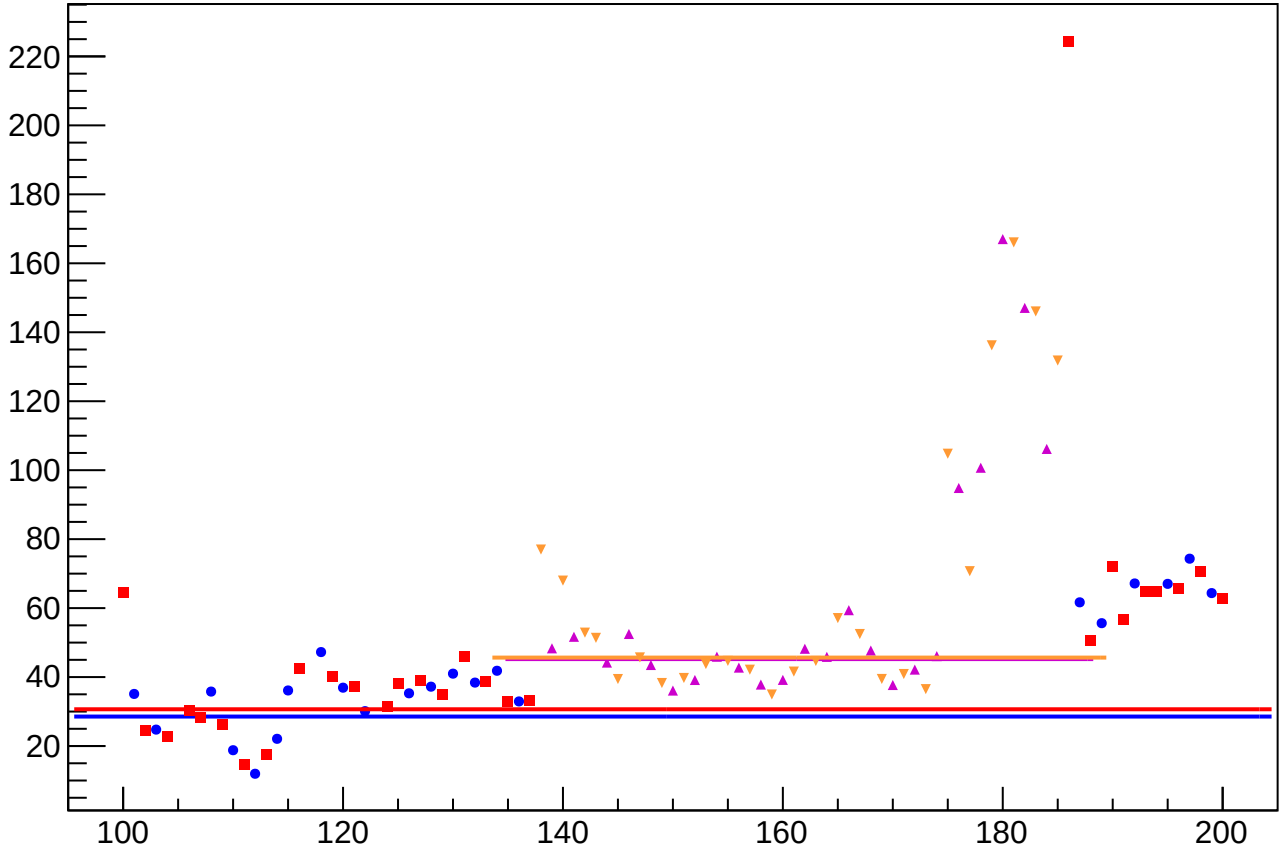
Right: 0.009+/-0.007 χ^2/NDF: 54.0/49

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 97.5/97

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

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

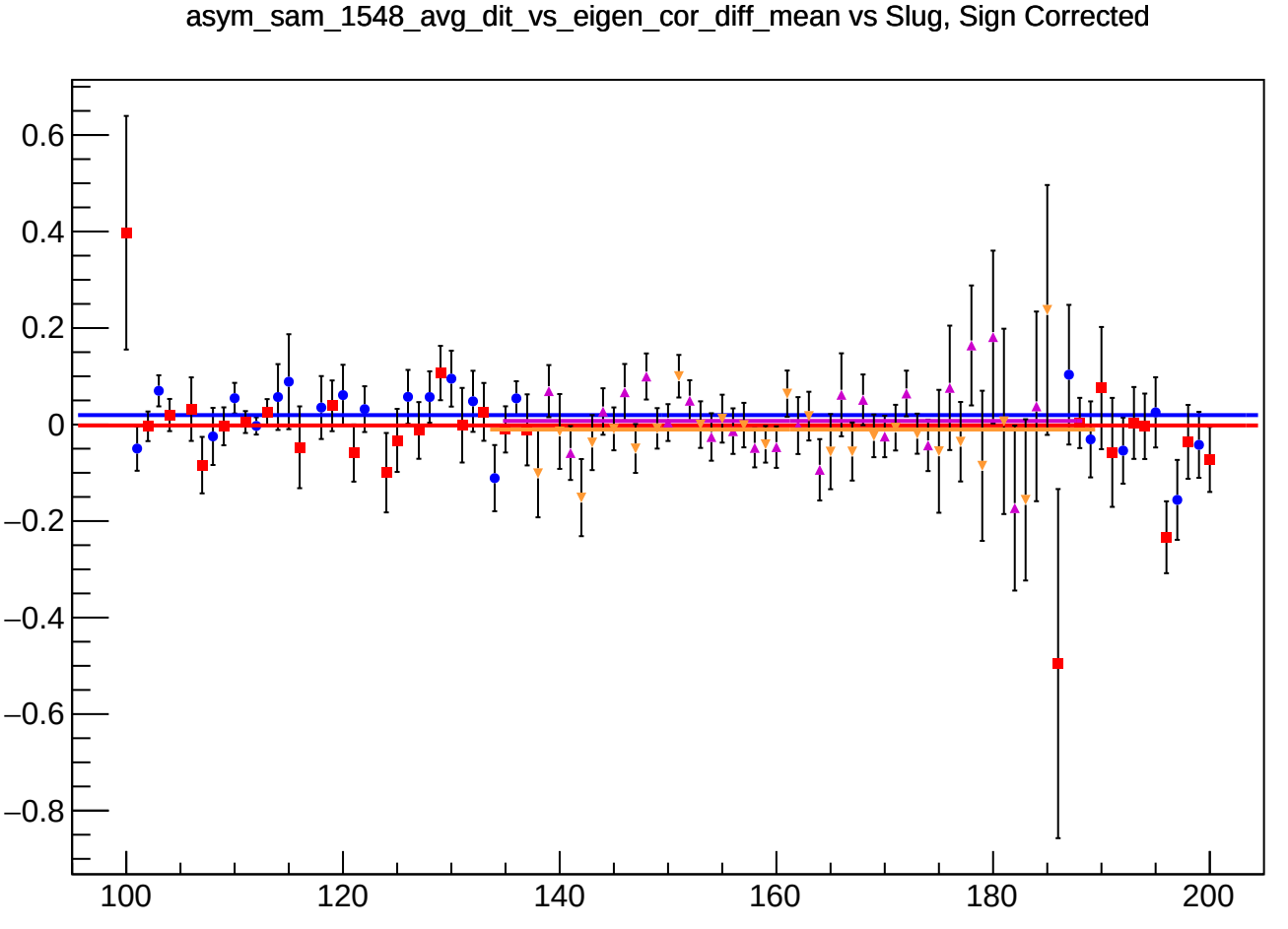
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.634+/-0.005 χ^2/NDF: 10962303.6/49

In: 35.669+/-0.005 χ^2/NDF:10700897.5/44

Out: 36.971+/-0.005 χ^2/NDF:11710439.8/52

All: 36.333+/-0.004 χ^2/NDF: 22442434.5/97



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

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

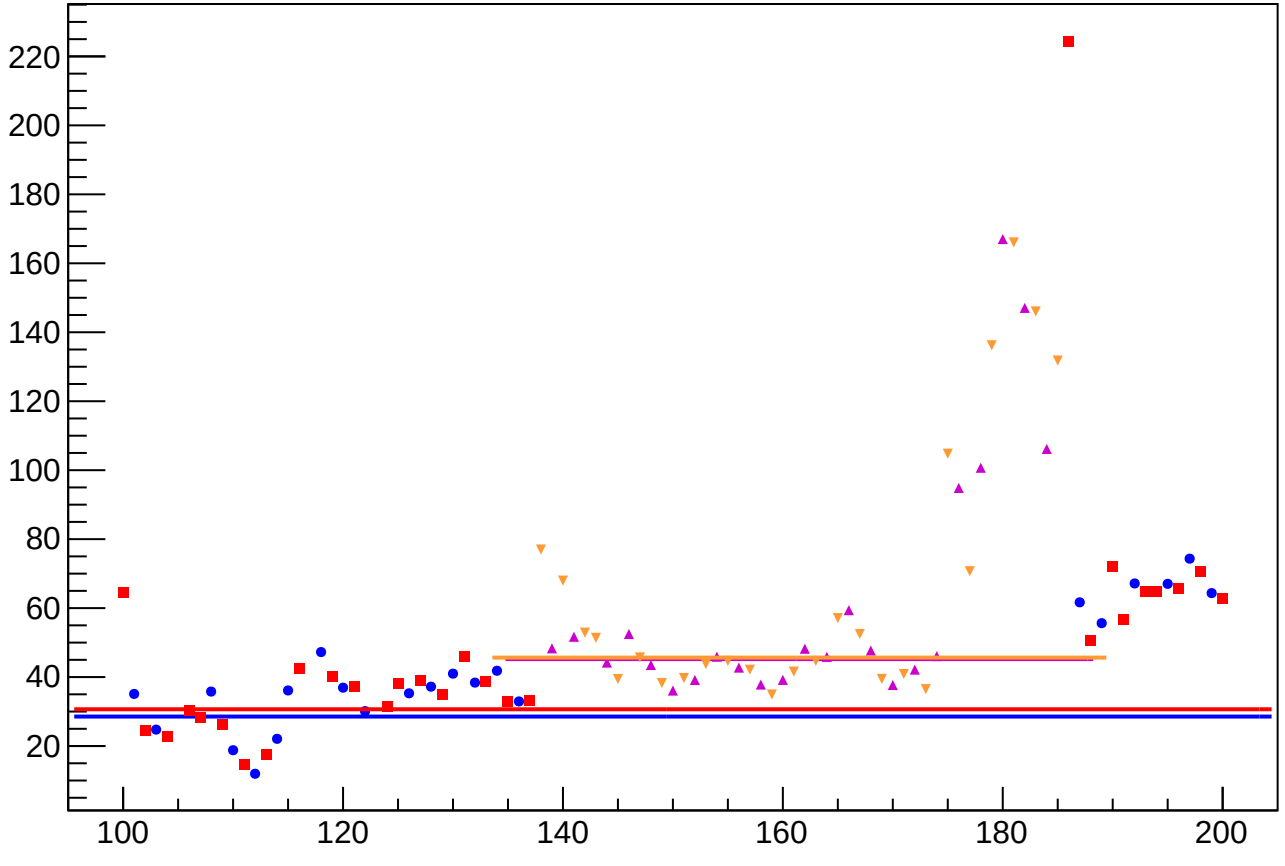
Right: 0.009+/-0.007 χ^2/NDF: 54.0/49

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 97.5/97

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

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

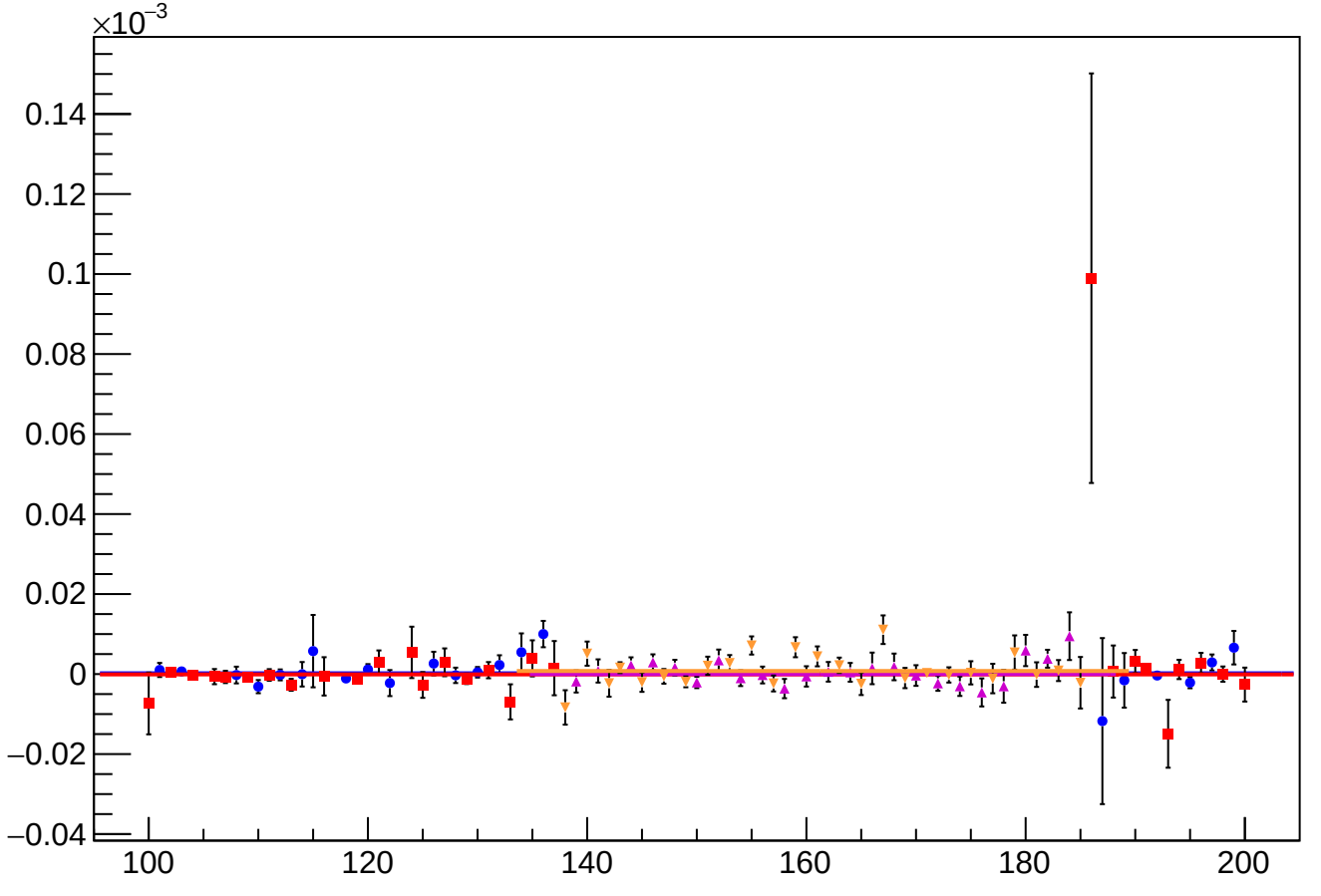
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.634+/-0.005 χ^2/NDF: 10962303.6/49

In: 35.669+/-0.005 χ^2/NDF:10700897.5/44

Out: 36.971+/-0.005 χ^2/NDF:11710439.8/52

All: 36.333+/-0.004 χ^2/NDF: 22442434.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/21

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

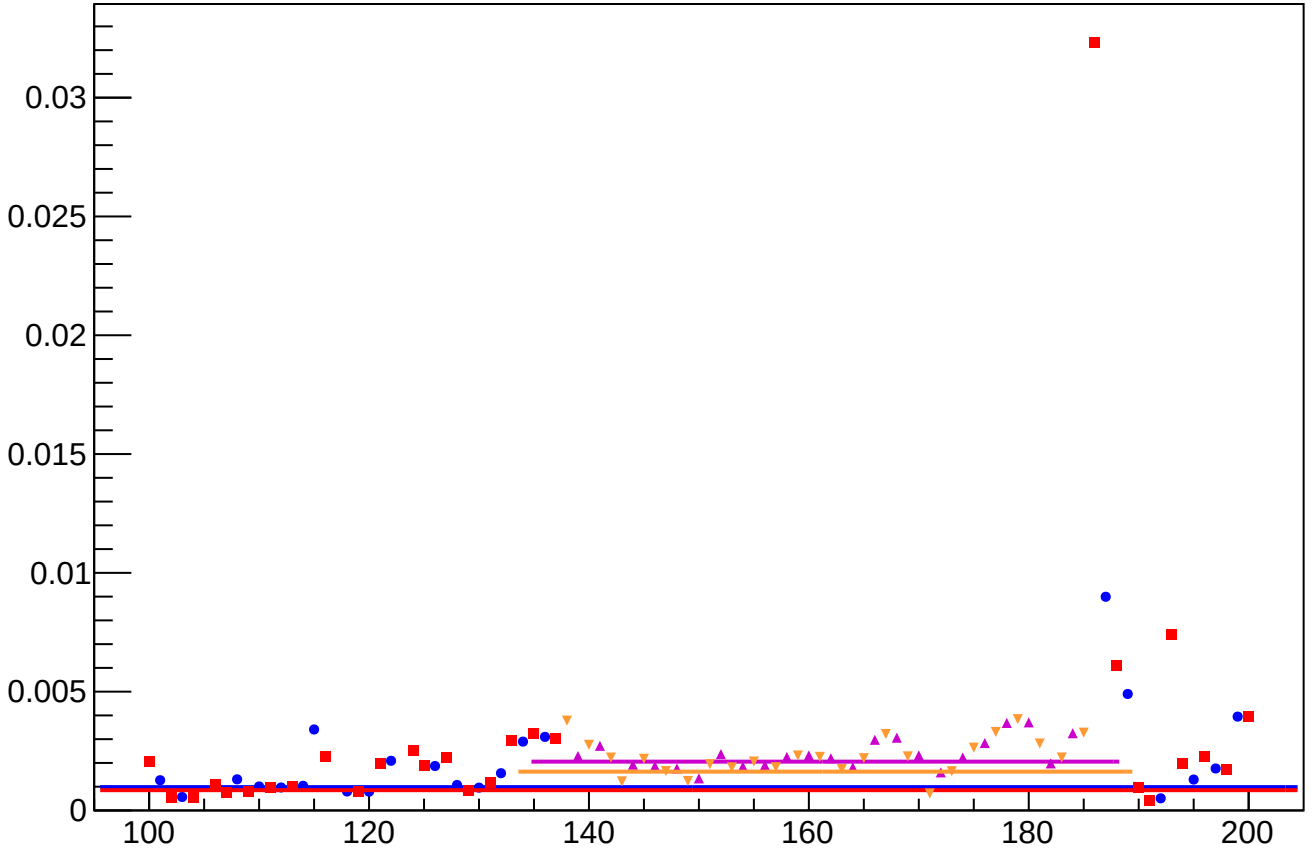
Right: 0.000+/-0.000 χ^2/NDF: 54.2/49

In: 0.000+/-0.000 χ^2/NDF:51.5/44

Out: 0.000+/-0.000 χ^2/NDF:75.8/52

All: 0.000+/-0.000 χ^2/NDF: 127.4/97

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5432049.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9714677.6/27

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

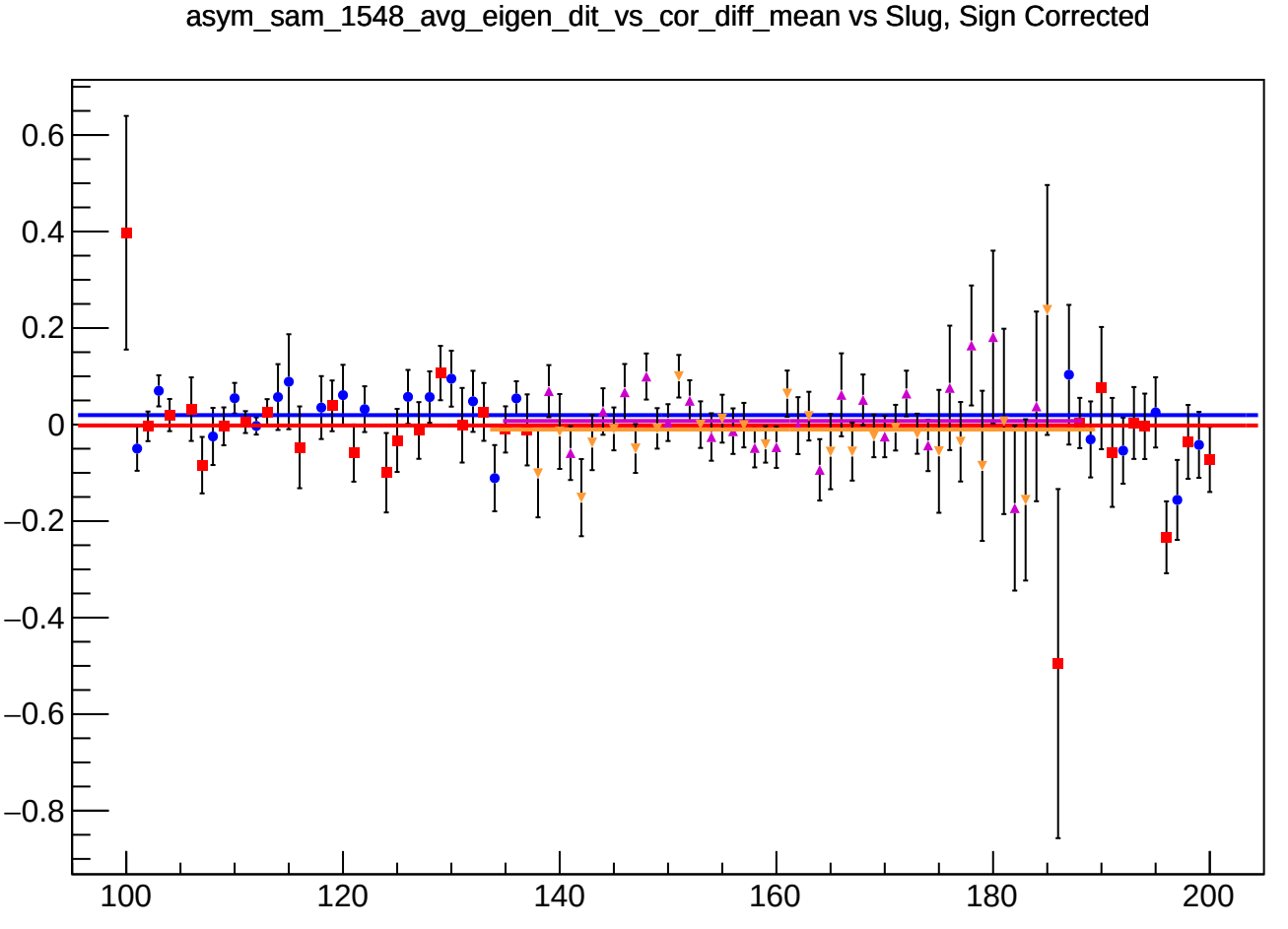
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 15297146.4/49

In: 0.001+/-0.000 χ^2/NDF:13619988.4/44

Out: 0.001+/-0.000 χ^2/NDF:20887220.7/52

All: 0.001+/-0.000 χ^2/NDF: 35152835.0/97



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

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

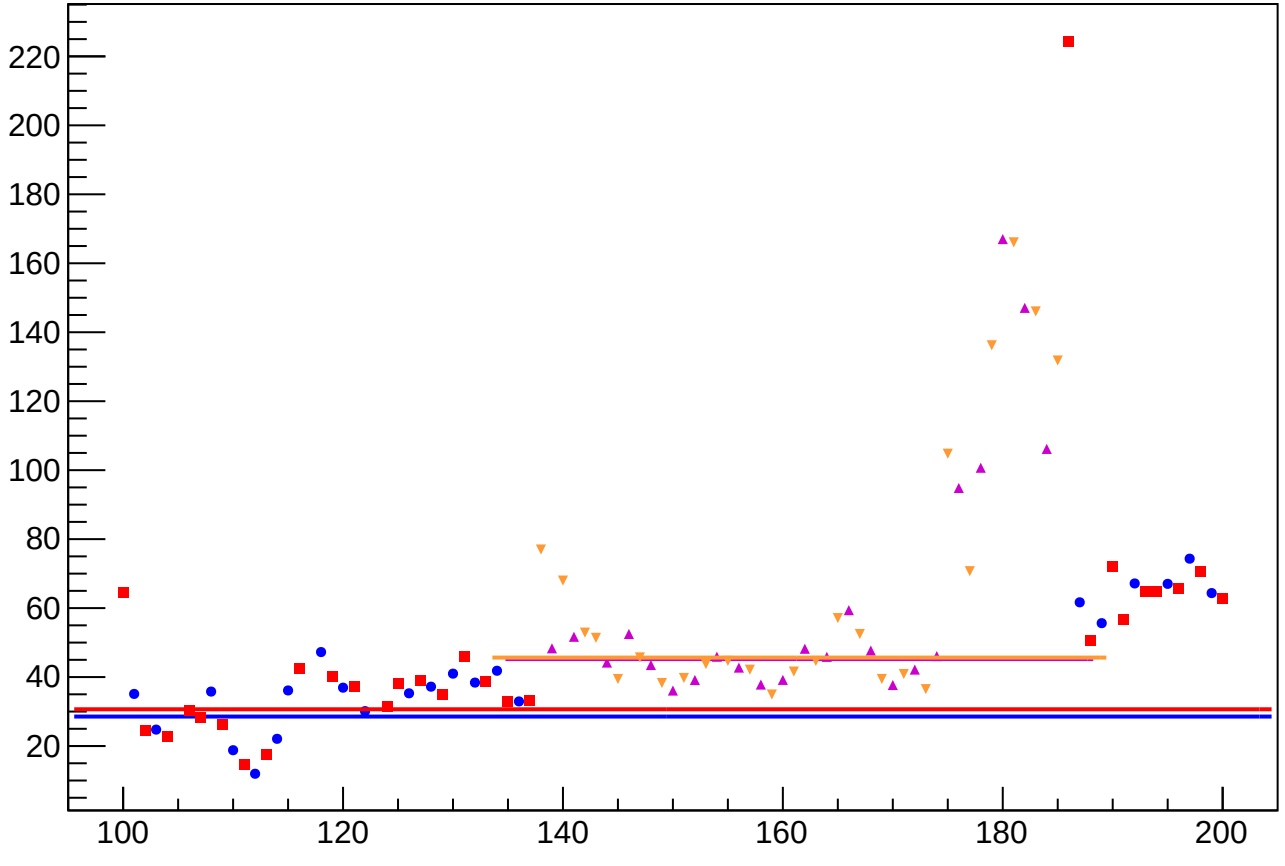
Right: 0.009+/-0.007 χ^2/NDF: 54.0/49

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 97.5/97

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

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

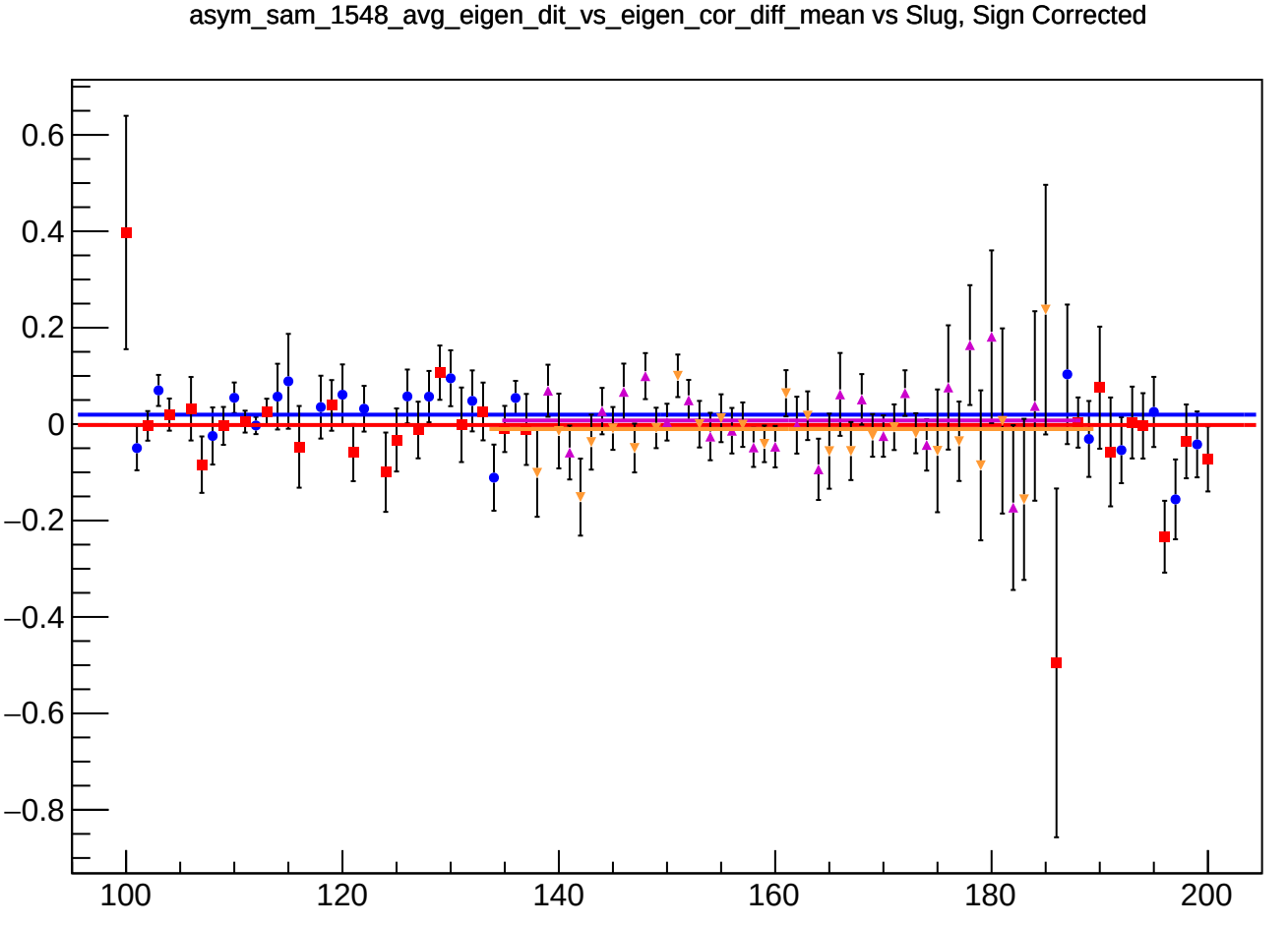
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 29.634+/-0.005 χ^2/NDF: 10962755.4/49

In: 35.668+/-0.005 χ^2/NDF:10701349.3/44

Out: 36.971+/-0.005 χ^2/NDF:11710805.9/52

All: 36.333+/-0.004 χ^2/NDF: 22443259.0/97



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

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

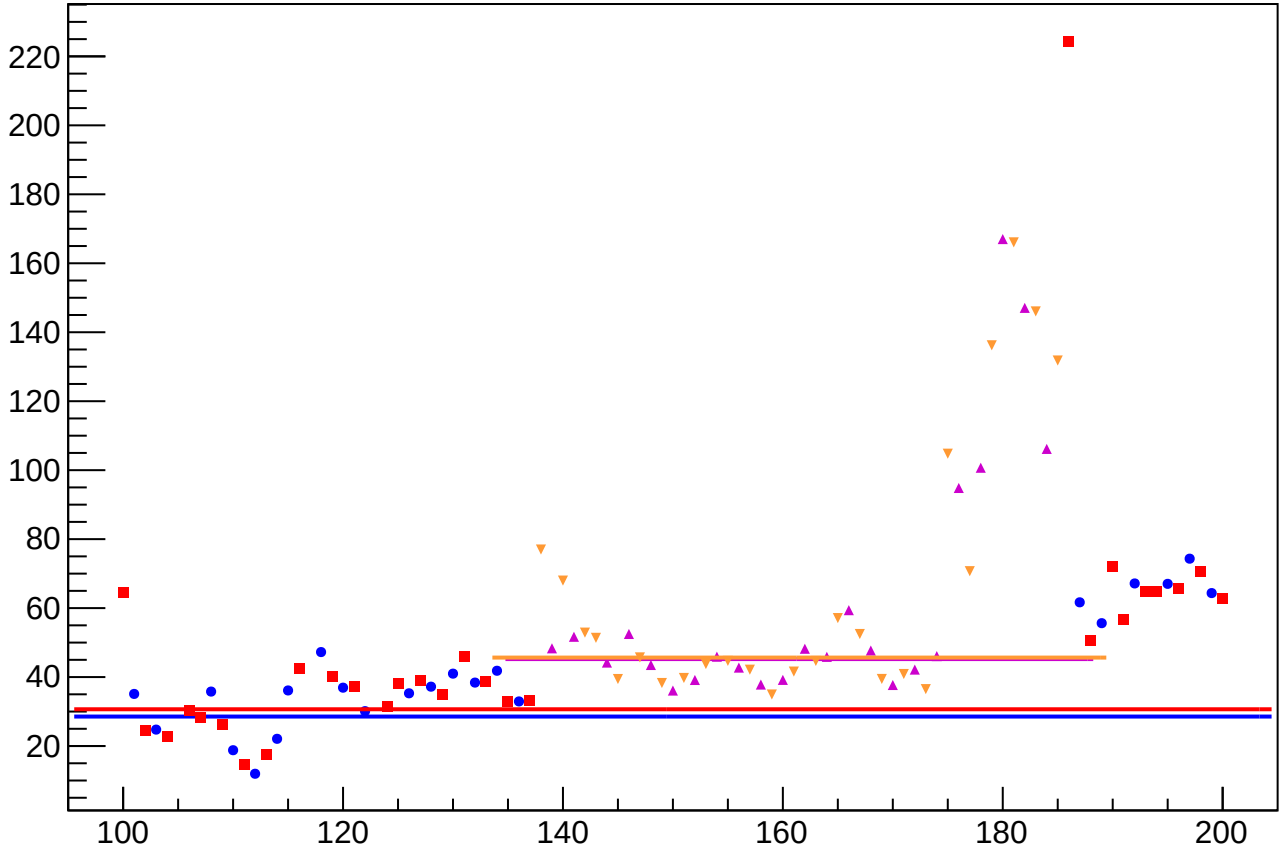
Right: 0.009+/-0.007 χ^2/NDF: 54.0/49

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:45.9/52

All: 0.004+/-0.005 χ^2/NDF: 97.5/97

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

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

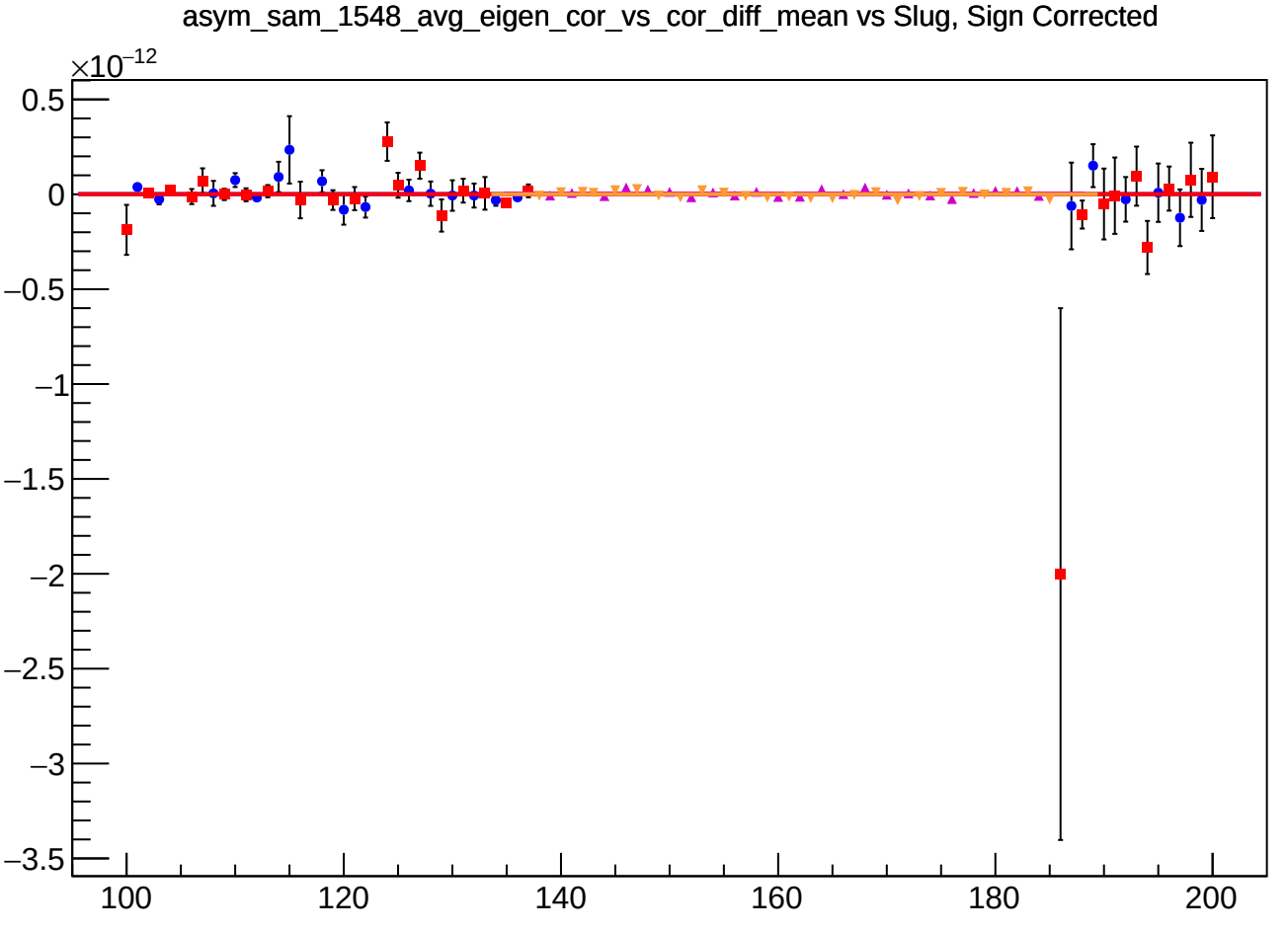
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 29.634+/-0.005 χ^2/NDF: 10962755.4/49

In: 35.668+/-0.005 χ^2/NDF:10701349.3/44

Out: 36.971+/-0.005 χ^2/NDF:11710805.9/52

All: 36.333+/-0.004 χ^2/NDF: 22443259.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

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

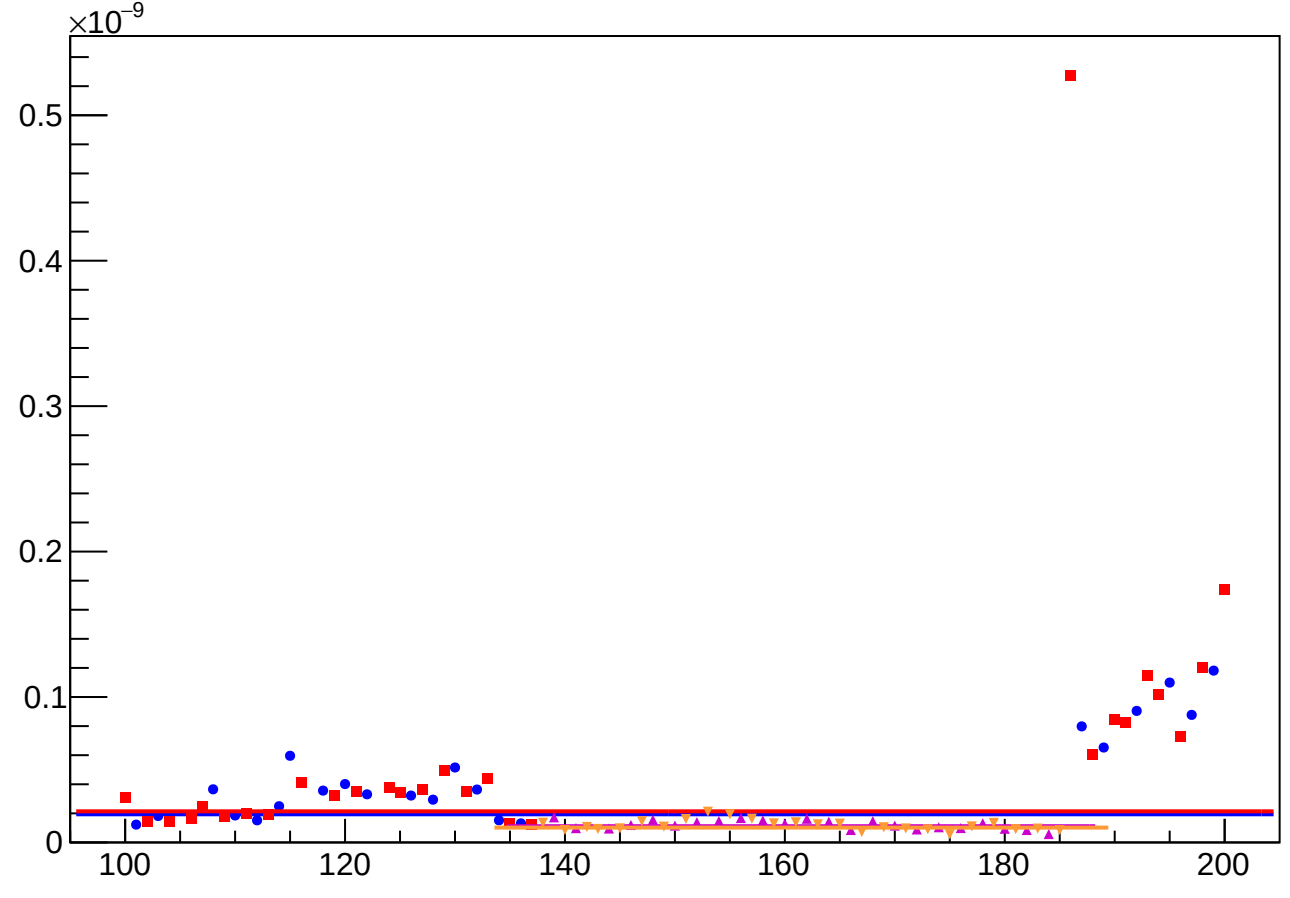
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.9/49

In: 0.000+/-0.000 χ^2/NDF:45.1/44

Out: 0.000+/-0.000 χ^2/NDF:58.0/52

All: 0.000+/-0.000 χ^2/NDF: 103.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 4974908.7/21

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

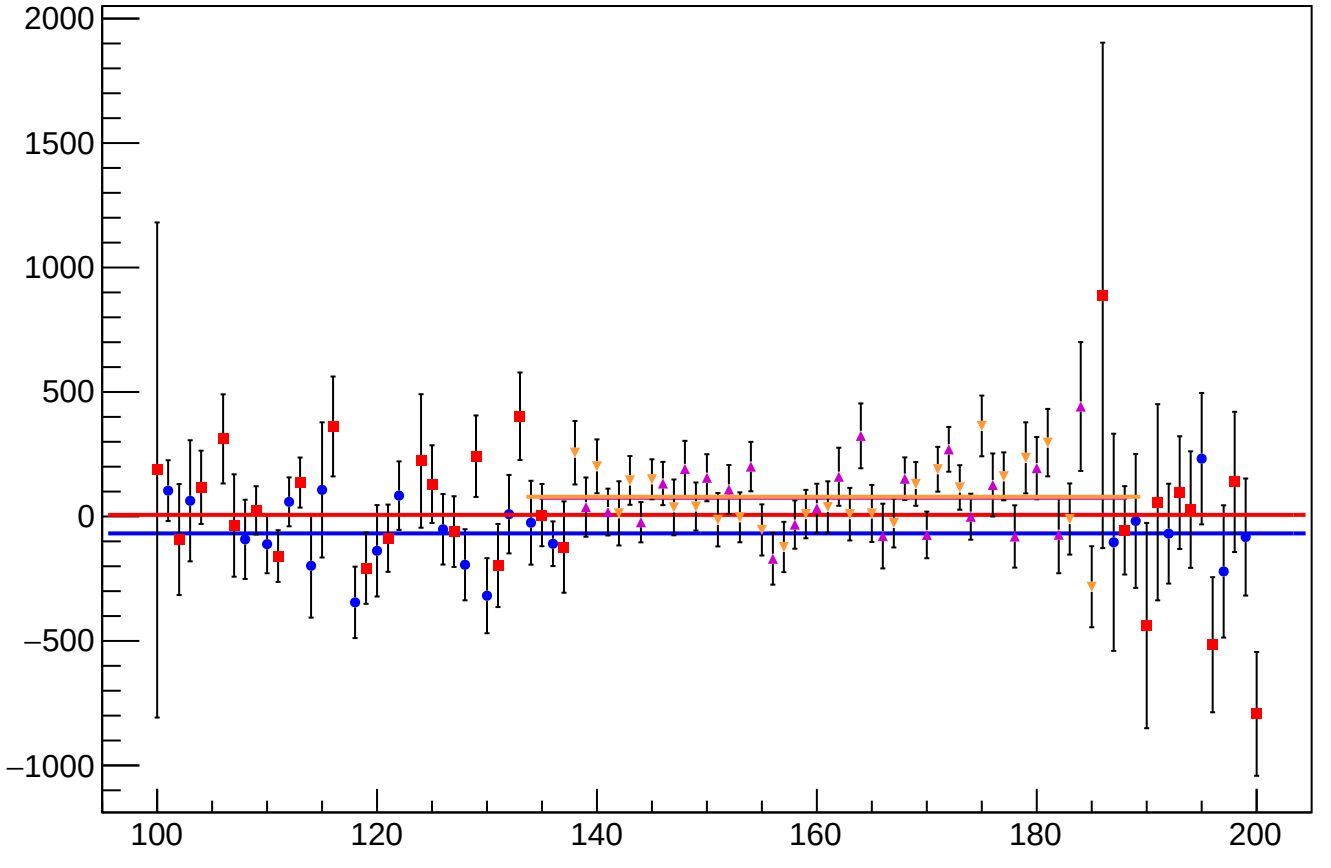
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11276514.4/49

In: 0.000+/-0.000 χ^2/NDF:8115533.2/44

Out: 0.000+/-0.000 χ^2/NDF:11325511.7/52

All: 0.000+/-0.000 χ^2/NDF: 19534679.1/97



Right In: -67.986+/-33.310 χ^2/NDF: 15.7/21

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

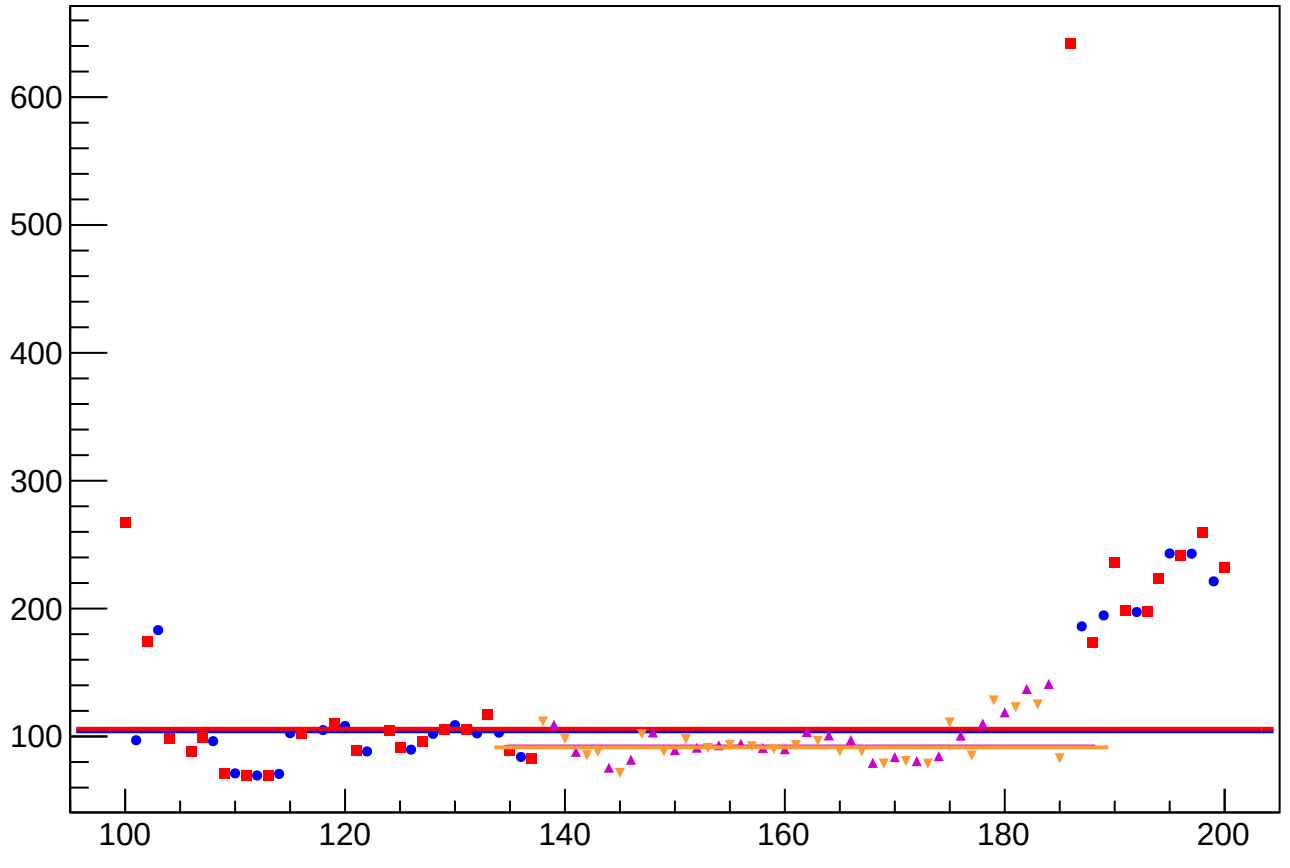
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -29.266+/-23.068 χ^2/NDF: 59.3/49

In: 32.055+/-18.262 χ^2/NDF:61.3/44

Out: 57.047+/-17.613 χ^2/NDF:76.5/52

All: 45.004+/-12.678 χ^2/NDF: 138.7/97



Right In: 104.055+/-0.024 χ^2/NDF: 3161799.1/21

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

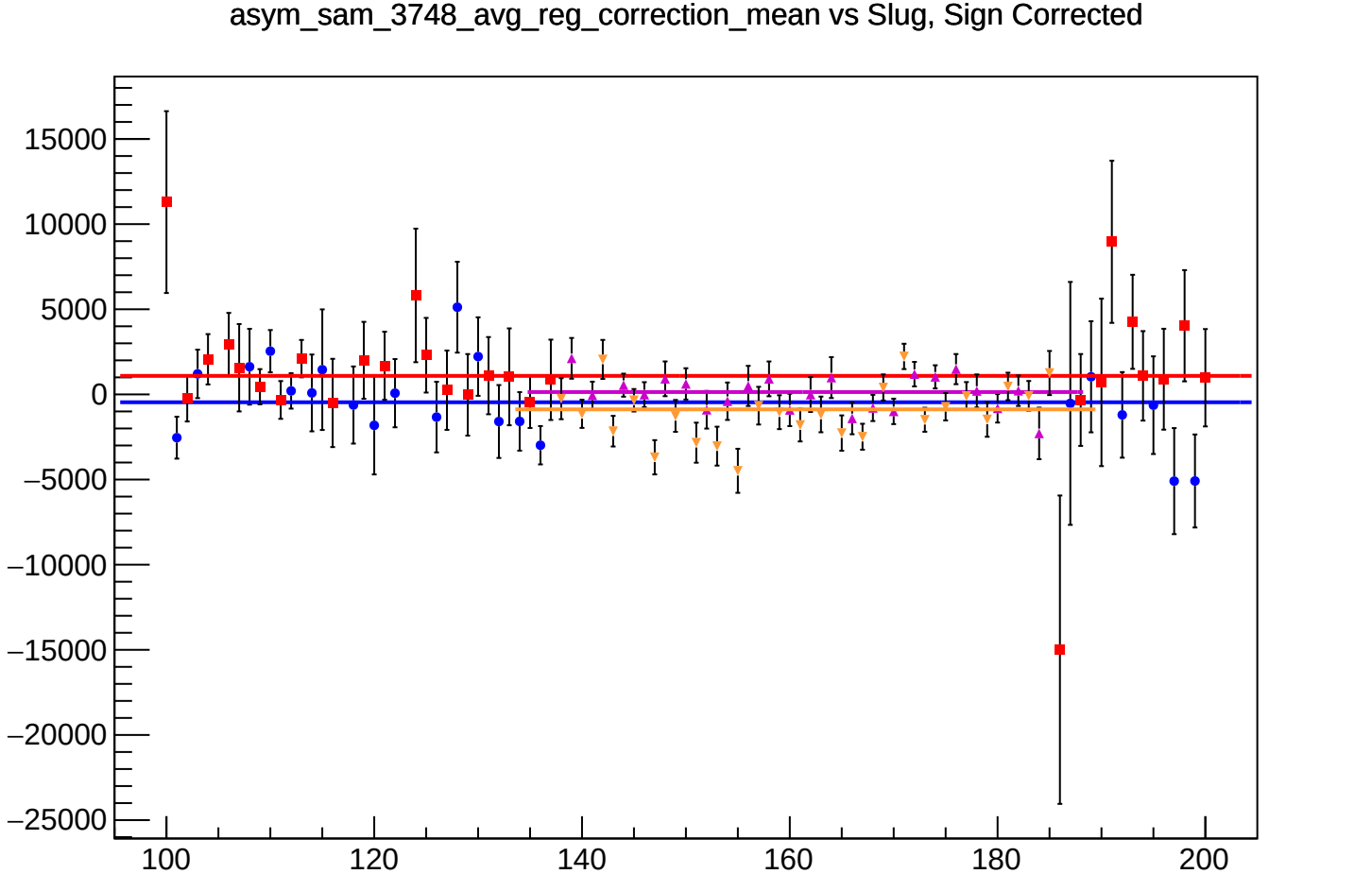
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 105.060+/-0.016 χ^2/NDF: 7945590.9/49

In: 95.694+/-0.013 χ^2/NDF:4041551.1/44

Out: 95.868+/-0.012 χ^2/NDF:5818966.7/52

All: 95.784+/-0.009 χ^2/NDF: 9860612.3/97



Right In: -461.502+/-398.056 χ^2/NDF: 29.0/21

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

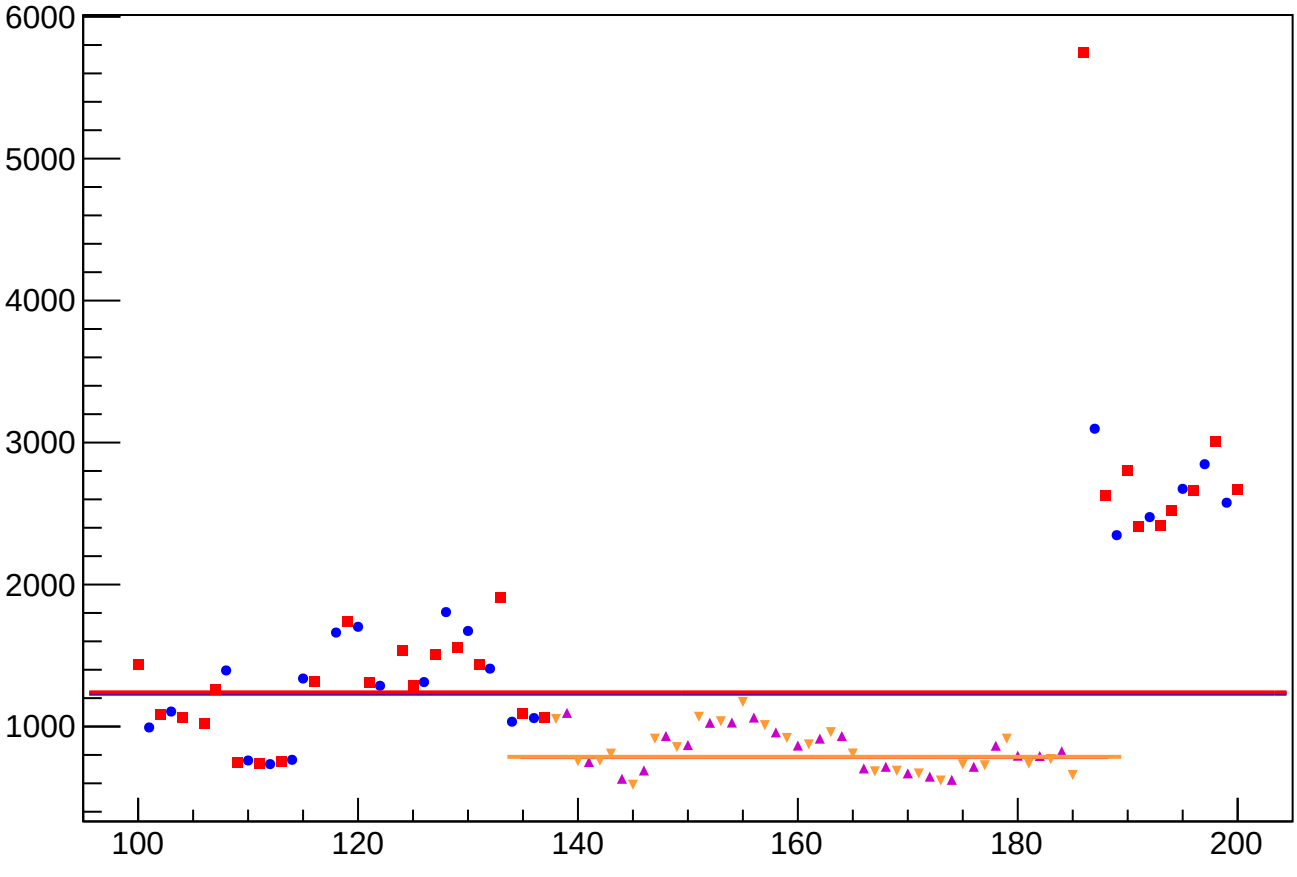
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 357.292+/-273.416 χ^2/NDF: 58.1/49

In: 30.614+/-168.937 χ^2/NDF:55.1/44

Out: -504.766+/-163.972 χ^2/NDF:110.9/52

All: -245.059+/-117.662 χ^2/NDF: 171.2/97



Right In: 1231.612+/-0.281 χ^2/NDF: 3705252.6/21

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

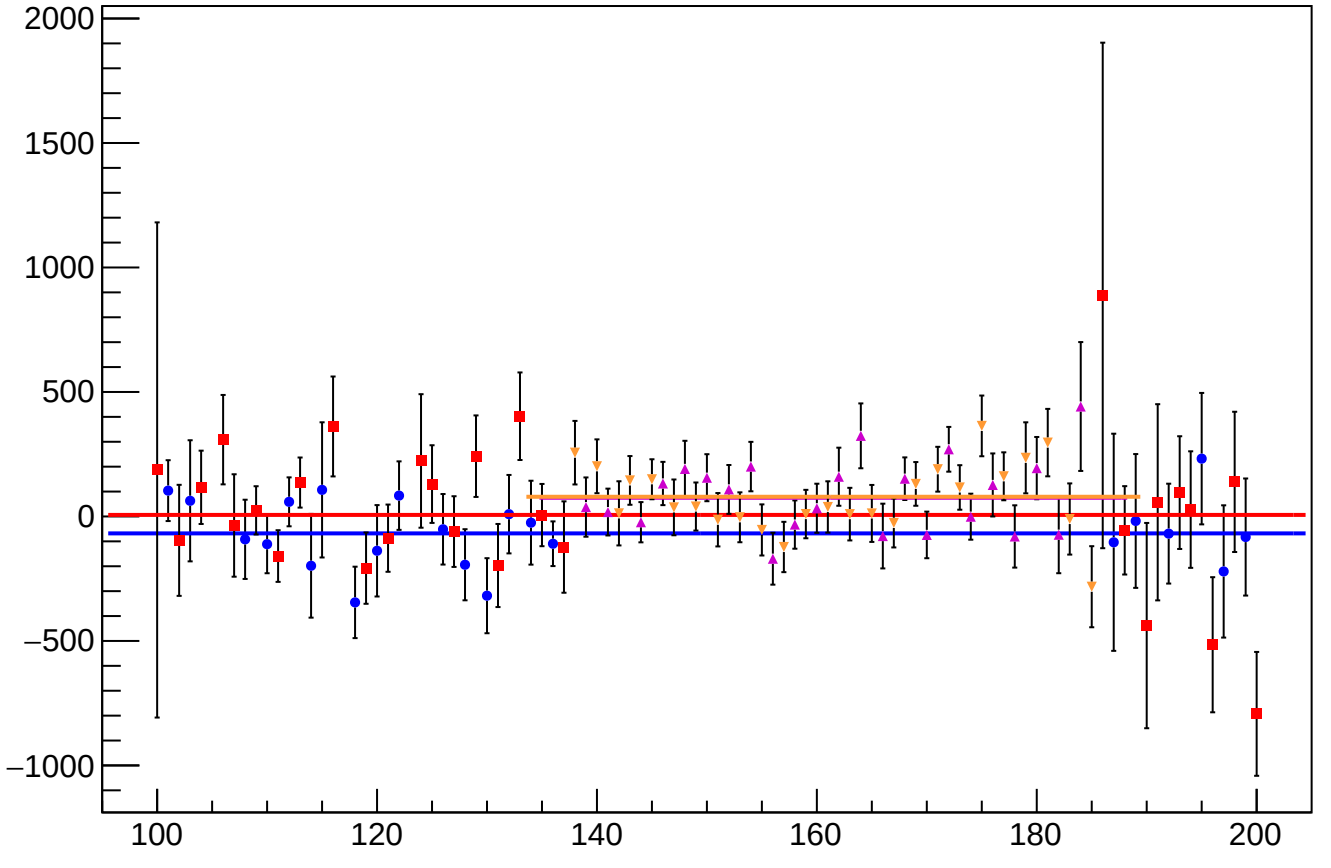
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1236.334+/-0.193 χ^2/NDF: 9101684.9/49

In: 865.307+/-0.119 χ^2/NDF:6834745.6/44

Out: 872.966+/-0.116 χ^2/NDF:8963990.2/52

All: 869.251+/-0.083 χ^2/NDF: 15800852.6/97



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

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

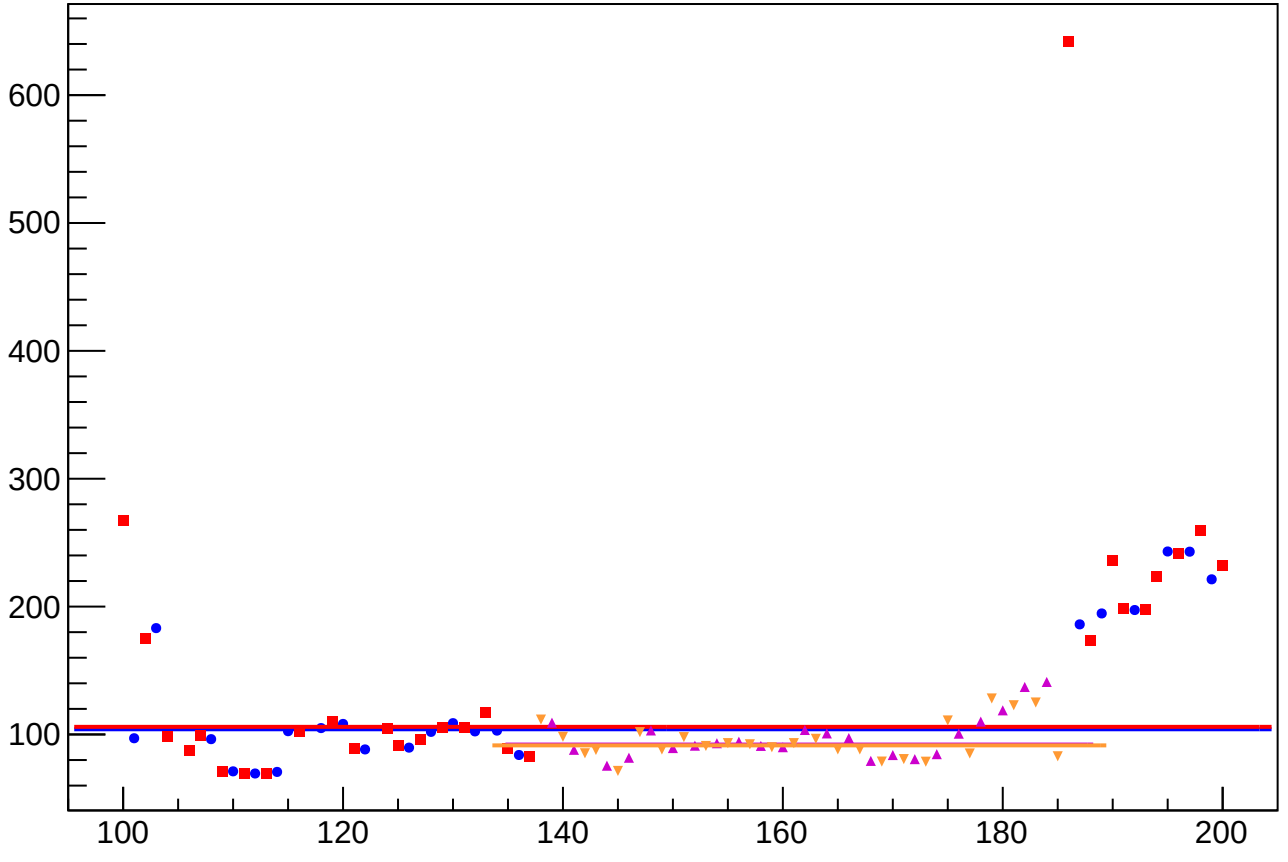
Right: -29.392+/-23.069 χ^2/NDF: 59.2/49

In: 32.052+/-18.262 χ^2/NDF:61.3/44

Out: 56.989+/-17.613 χ^2/NDF:76.5/52

All: 44.972+/-12.678 χ^2/NDF: 138.7/97

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

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

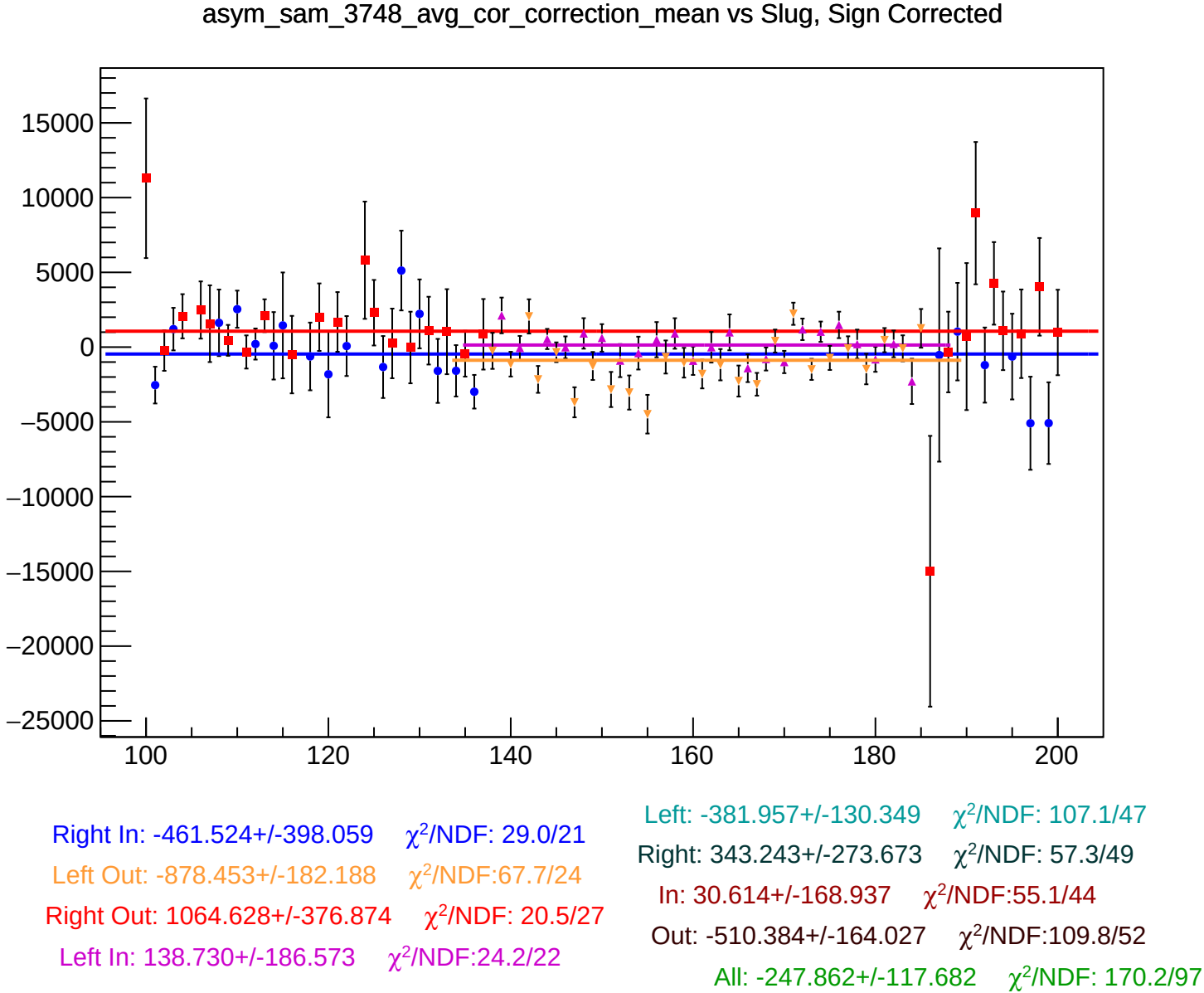
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

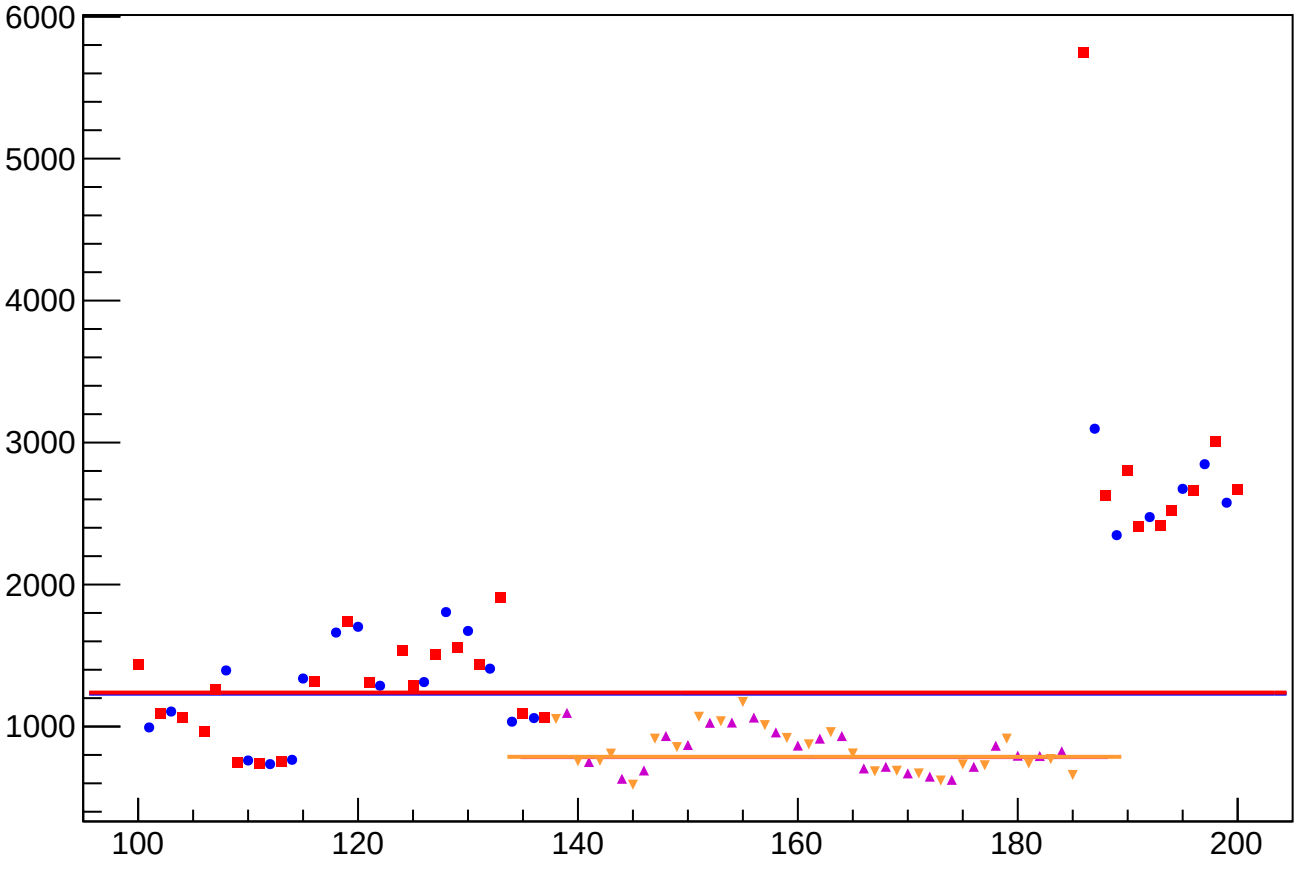
Right: 105.040+/-0.016 χ^2/NDF: 7948506.3/49

In: 95.694+/-0.013 χ^2/NDF:4041554.2/44

Out: 95.856+/-0.012 χ^2/NDF:5820472.2/52

All: 95.778+/-0.009 χ^2/NDF: 9862108.3/97


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -461.524+/-398.059 χ²/NDF: 29.0/21
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: 343.243+/-273.673 χ²/NDF: 57.3/49
In: 30.614+/-168.937 χ²/NDF:55.1/44
Out: -510.384+/-164.027 χ²/NDF:109.8/52
All: -247.862+/-117.682 χ²/NDF: 170.2/97



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

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

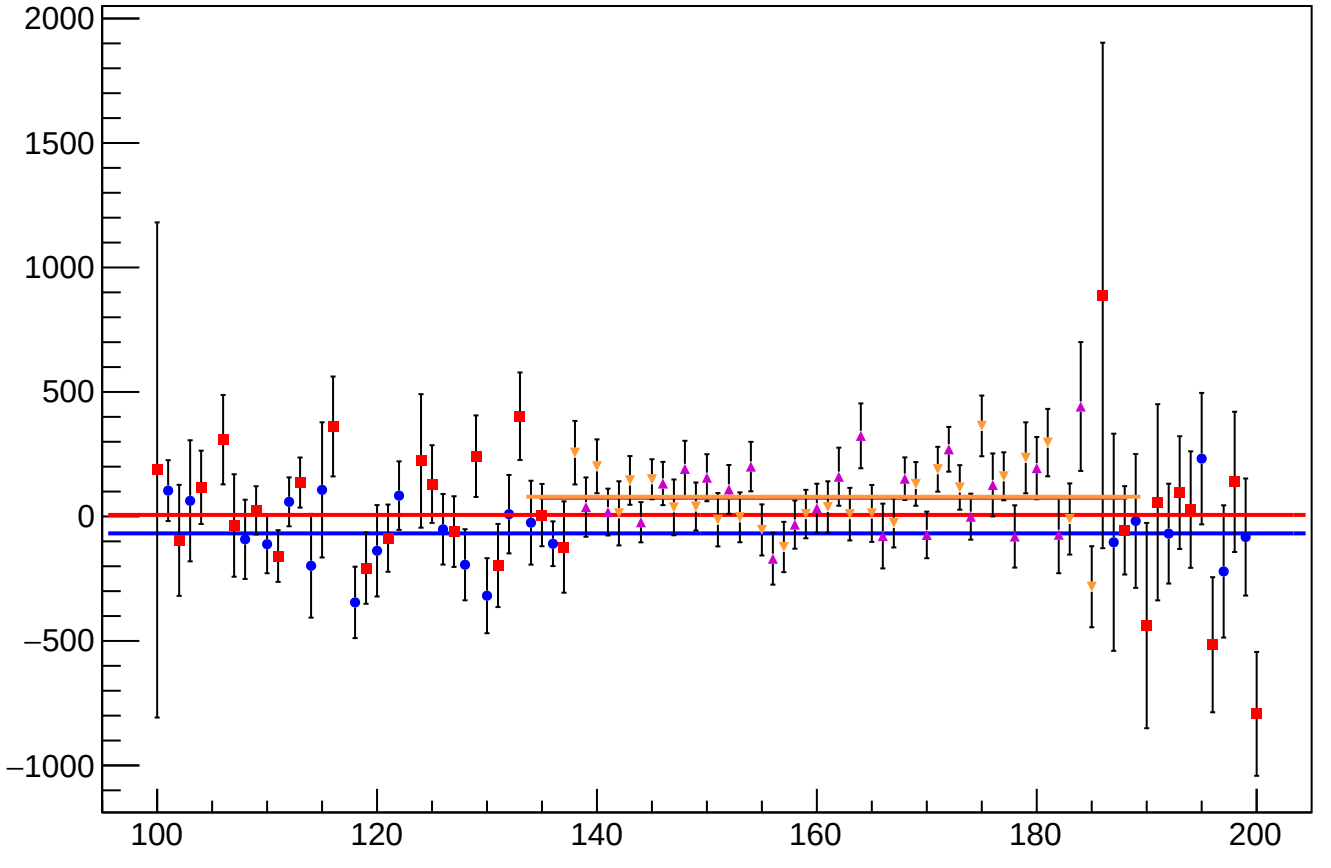
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1235.602+/-0.194 χ^2/NDF: 9114129.4/49

In: 865.308+/-0.119 χ^2/NDF:6834783.4/44

Out: 872.456+/-0.116 χ^2/NDF:8955552.2/52

All: 868.987+/-0.083 χ^2/NDF: 15792179.0/97



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

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

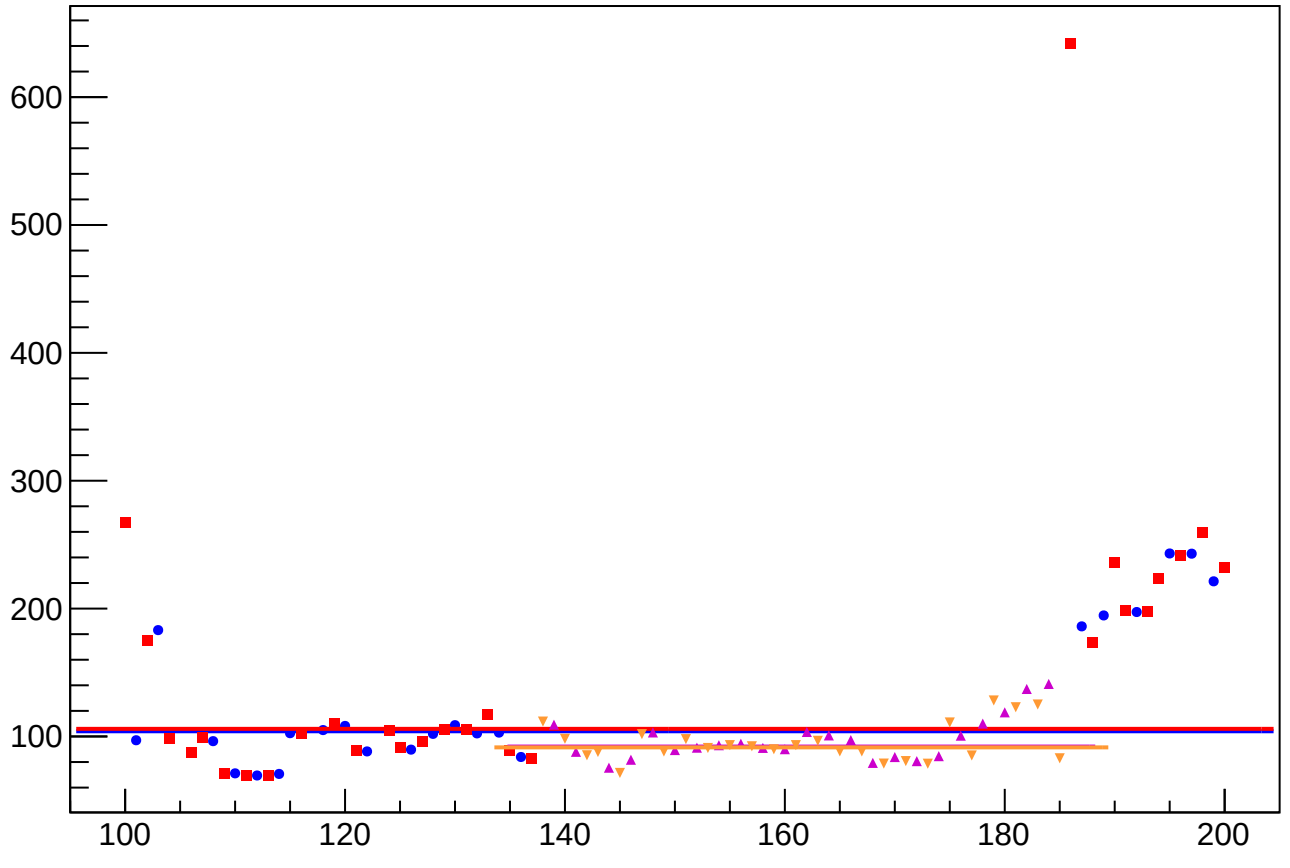
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -29.392+/-23.069 χ^2/NDF: 59.2/49

In: 32.052+/-18.262 χ^2/NDF:61.3/44

Out: 56.989+/-17.613 χ^2/NDF:76.5/52

All: 44.972+/-12.678 χ^2/NDF: 138.7/97



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

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

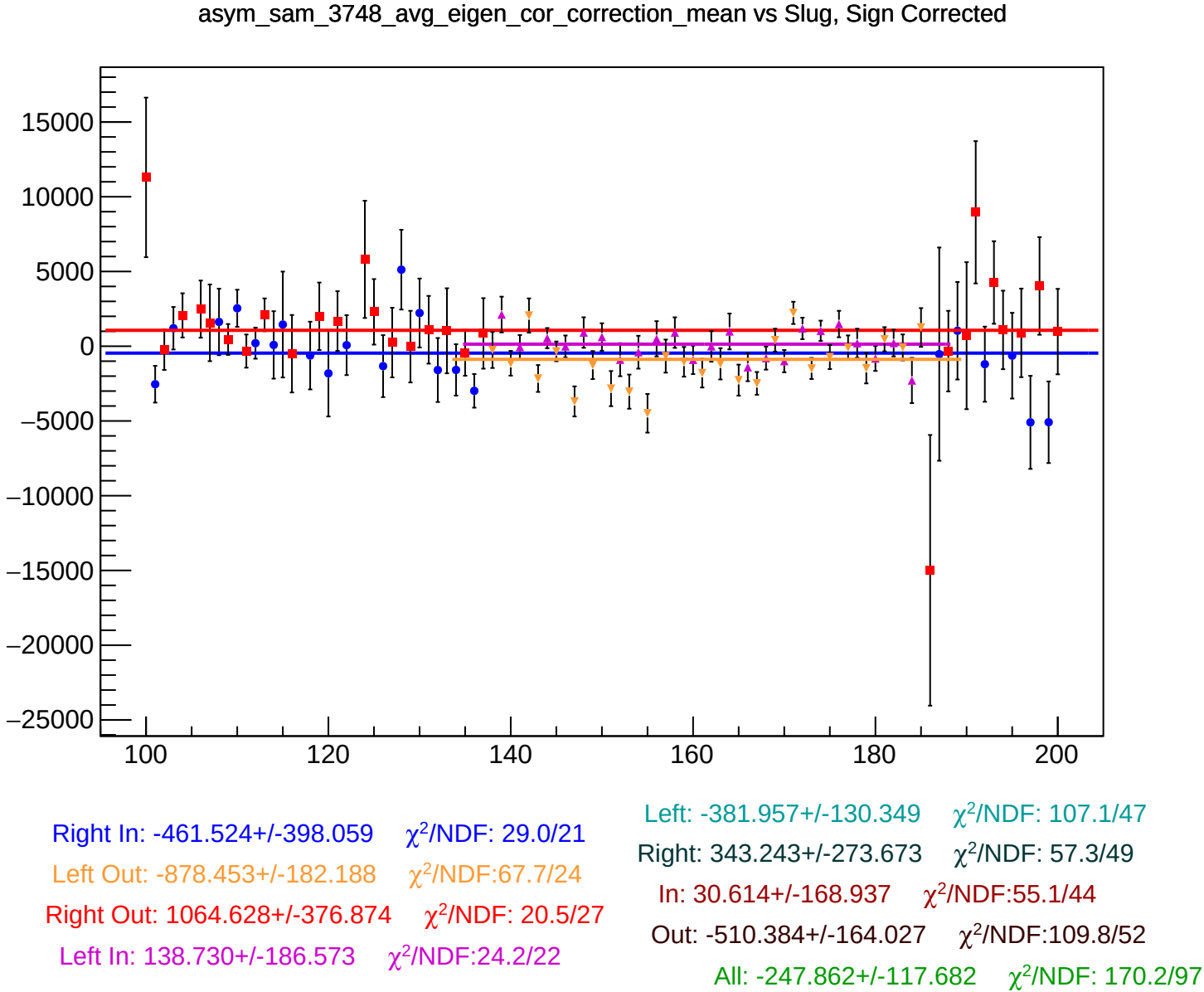
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

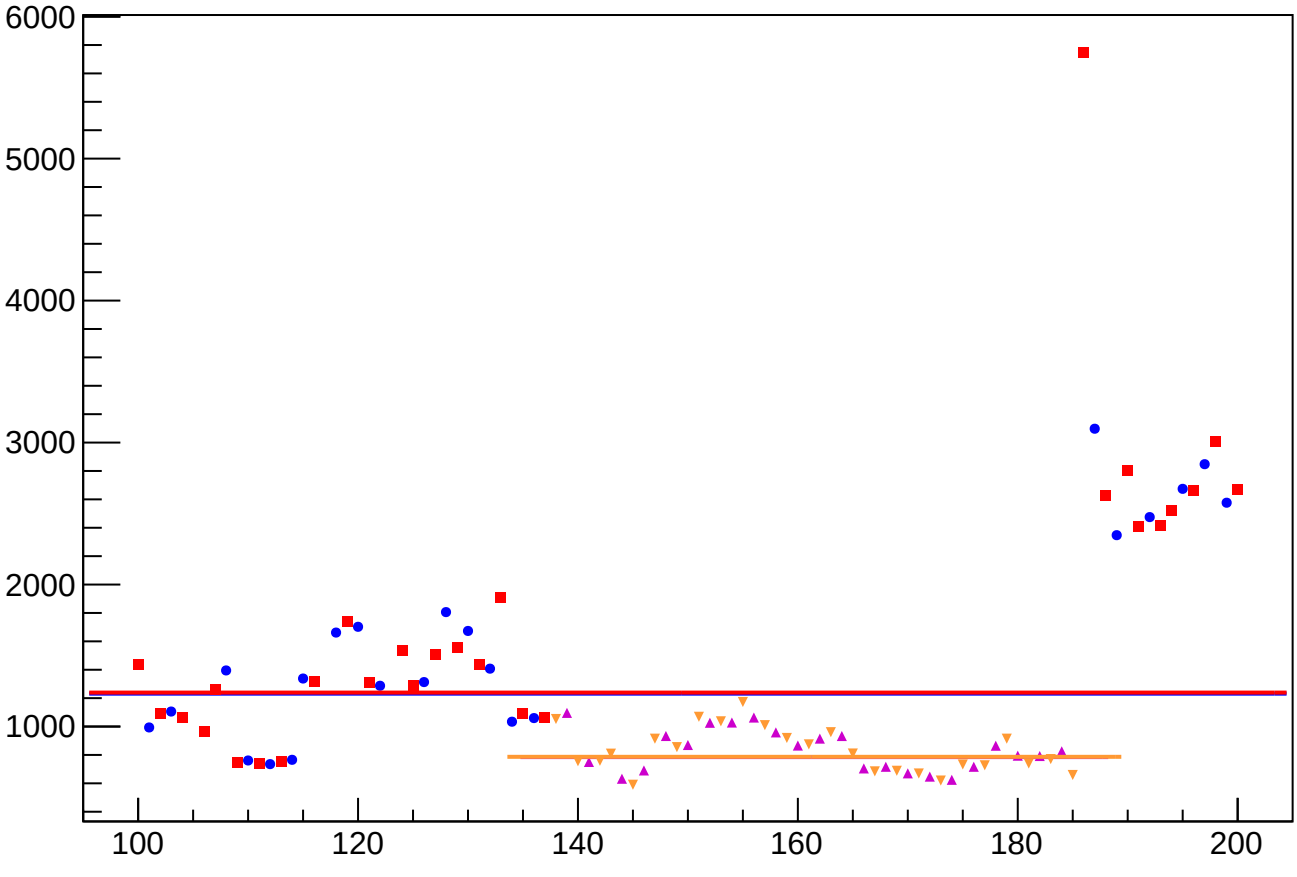
Right: 105.040+/-0.016 χ^2/NDF: 7948506.3/49

In: 95.694+/-0.013 χ^2/NDF:4041554.2/44

Out: 95.856+/-0.012 χ^2/NDF:5820472.2/52

All: 95.778+/-0.009 χ^2/NDF: 9862108.3/97


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: -461.524+/-398.059 χ²/NDF: 29.0/21
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: 343.243+/-273.673 χ²/NDF: 57.3/49
In: 30.614+/-168.937 χ²/NDF:55.1/44
Out: -510.384+/-164.027 χ²/NDF:109.8/52
All: -247.862+/-117.682 χ²/NDF: 170.2/97



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

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

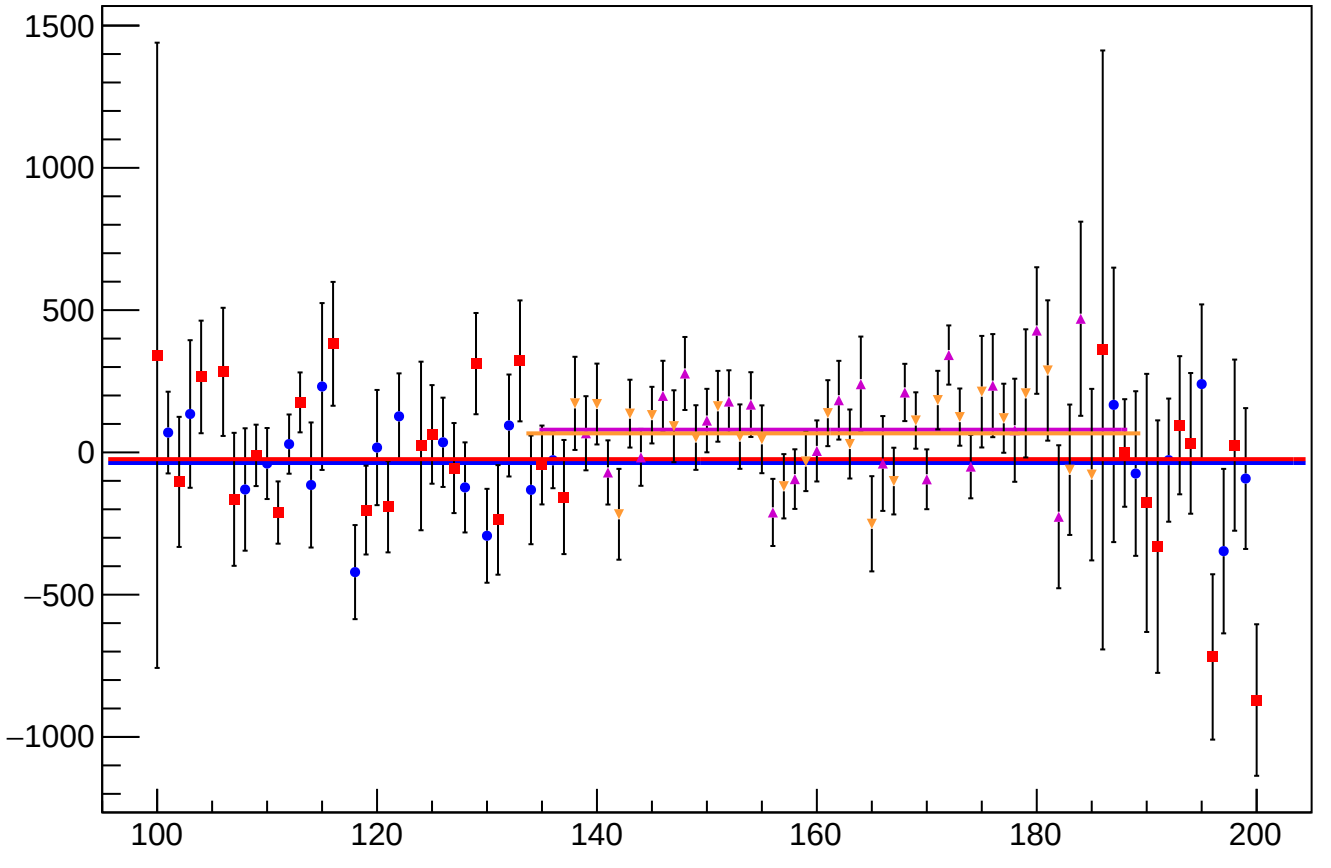
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1235.602+/-0.194 χ^2/NDF: 9114129.4/49

In: 865.308+/-0.119 χ^2/NDF:6834783.4/44

Out: 872.456+/-0.116 χ^2/NDF:8955552.2/52

All: 868.987+/-0.083 χ^2/NDF: 15792179.0/97



Right In: -37.217+/-36.850 χ^2/NDF: 15.3/21

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

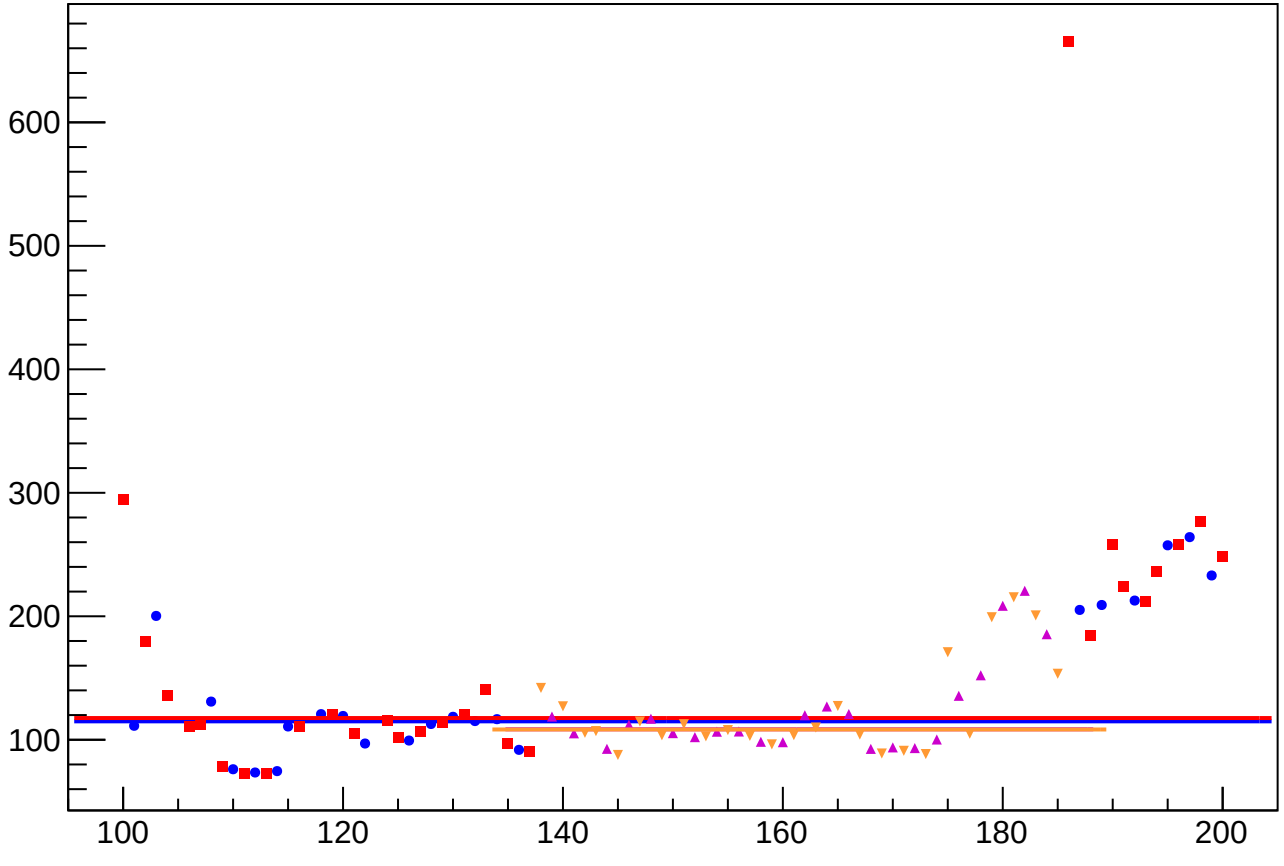
Right: -30.211+/-25.547 χ^2/NDF: 57.4/49

In: 40.290+/-21.406 χ^2/NDF:58.9/44

Out: 35.861+/-20.746 χ^2/NDF:66.0/52

All: 38.006+/-14.897 χ^2/NDF: 124.9/97

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 114.920+/-0.026 χ^2/NDF: 3167661.1/21

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

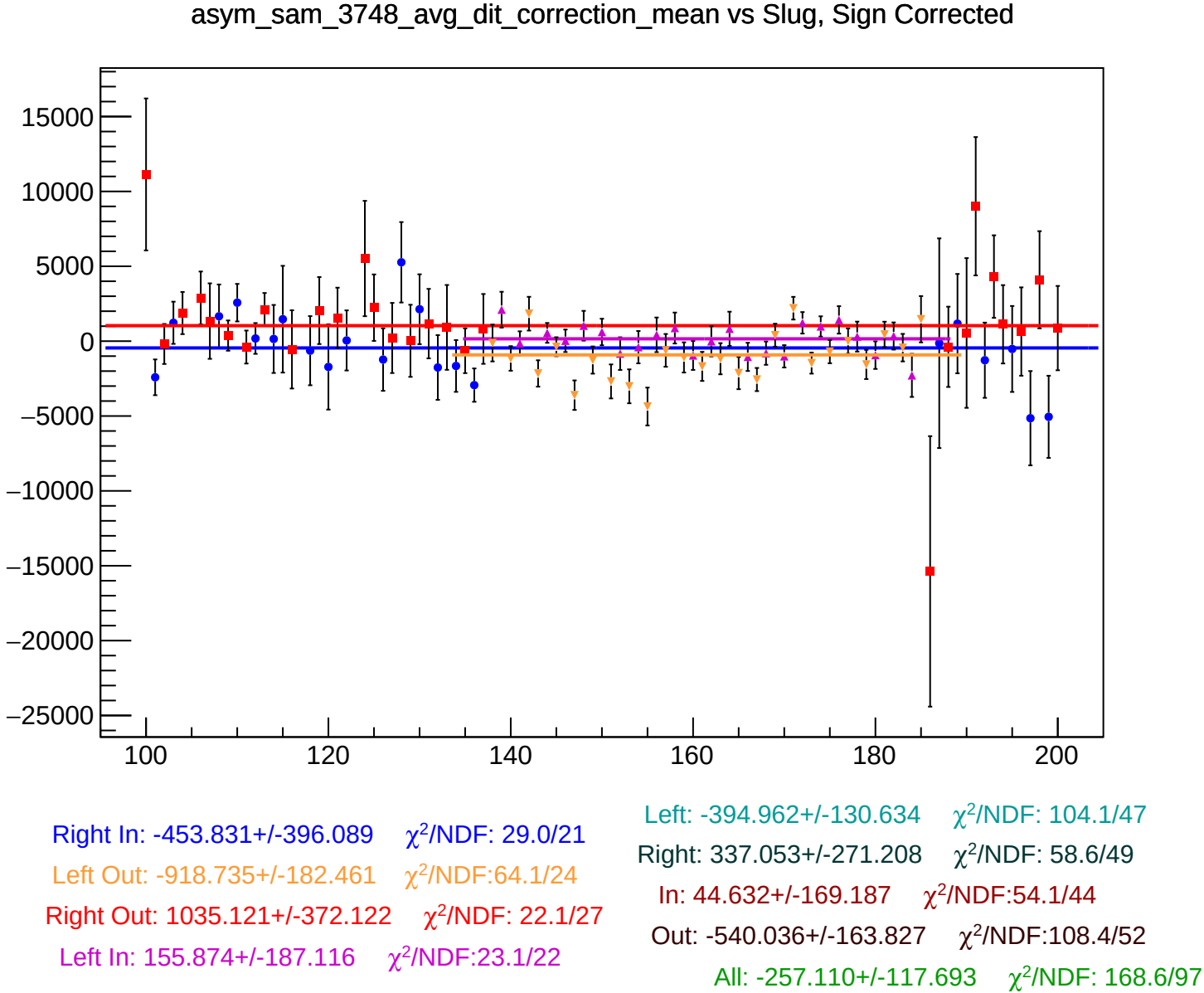
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

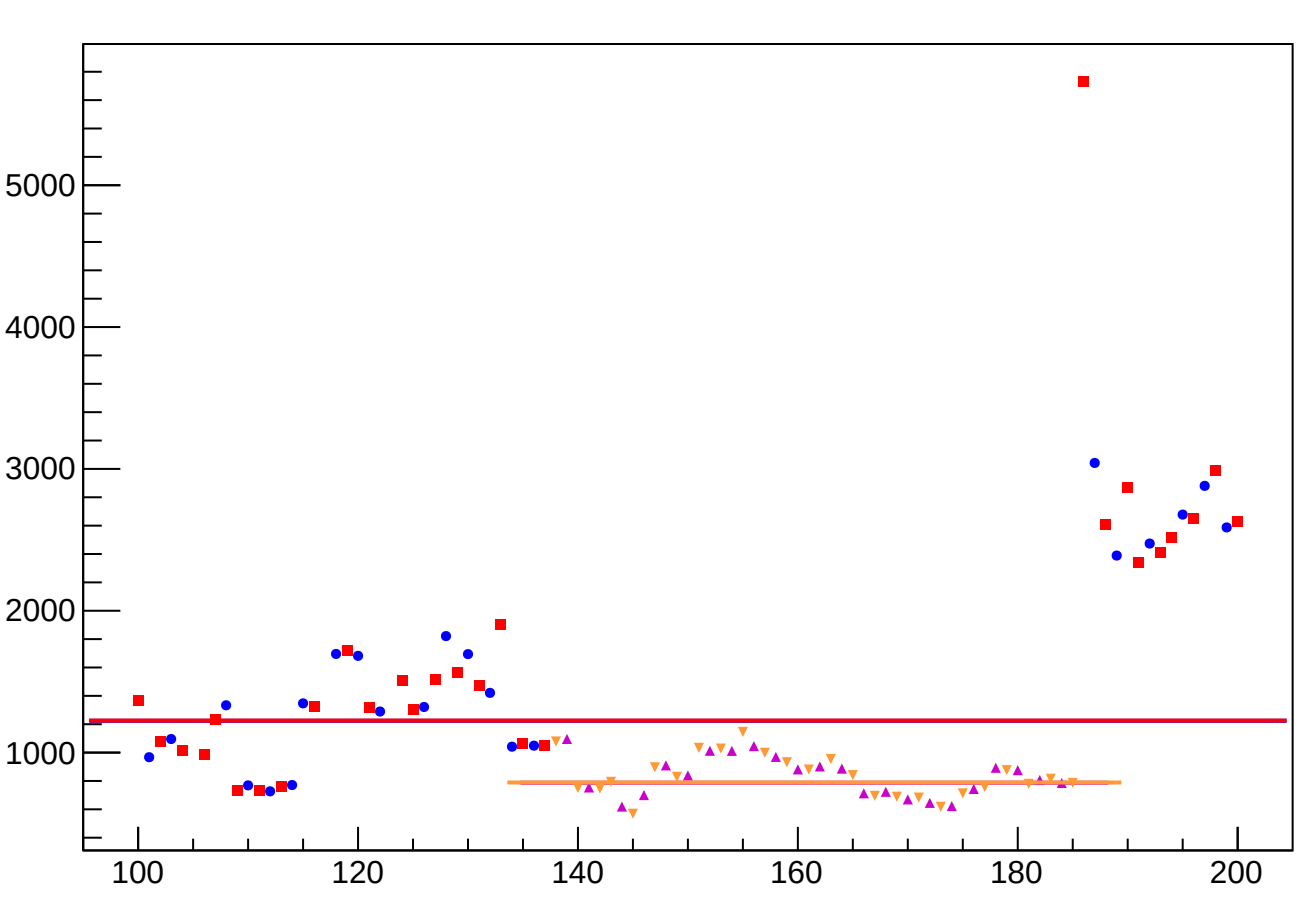
Right: 116.307+/-0.018 χ^2/NDF: 7868678.5/49

In: 110.661+/-0.015 χ^2/NDF:4587375.1/44

Out: 111.502+/-0.015 χ^2/NDF:6559904.5/52

All: 111.095+/-0.011 χ^2/NDF: 11148868.3/97


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: -453.831+/-396.089 χ²/NDF: 29.0/21
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: 337.053+/-271.208 χ²/NDF: 58.6/49
In: 44.632+/-169.187 χ²/NDF:54.1/44
Out: -540.036+/-163.827 χ²/NDF:108.4/52
All: -257.110+/-117.693 χ²/NDF: 168.6/97



Right In: 1224.053+/-0.280 χ^2/NDF: 3775270.4/21

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

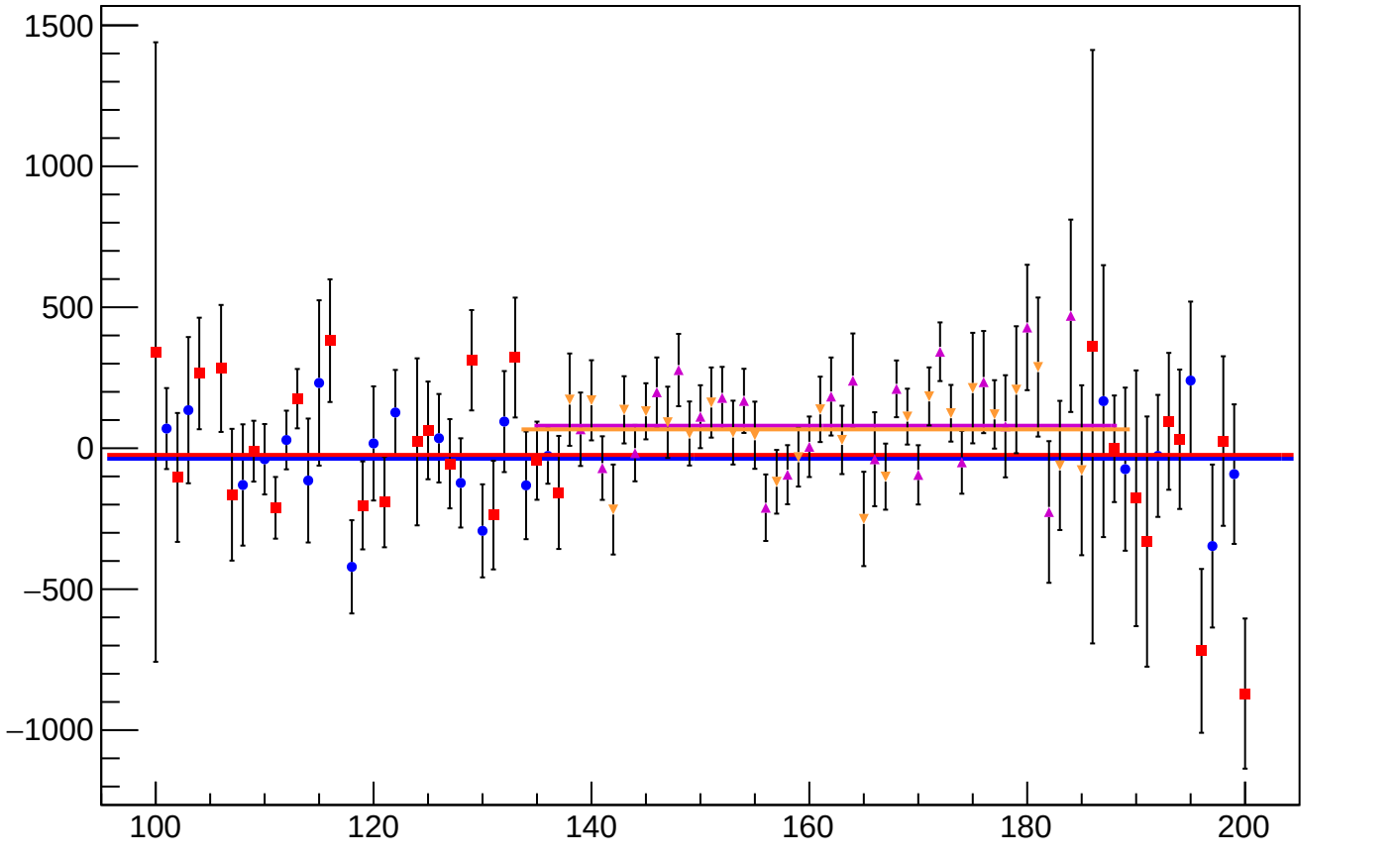
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

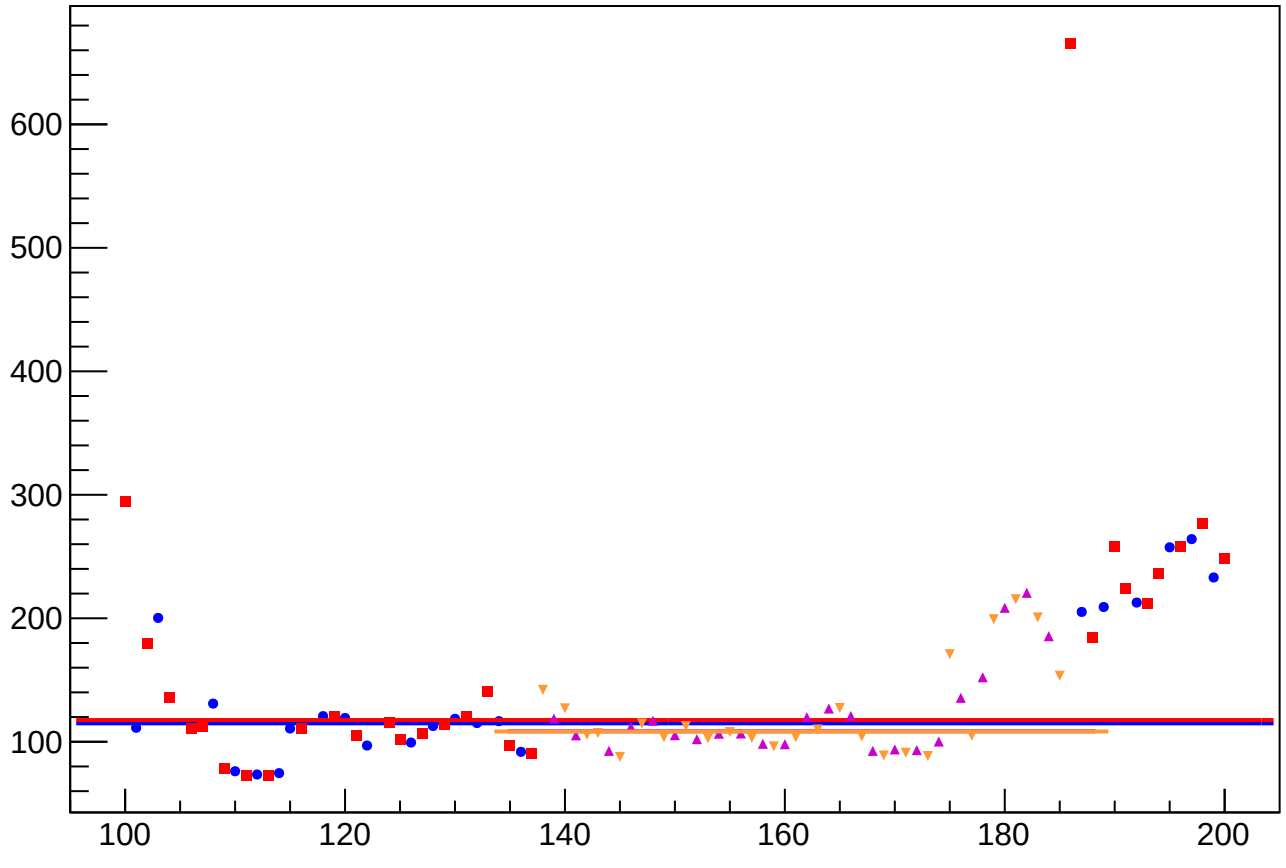
Right: 1225.008+/-0.192 χ^2/NDF: 9243975.0/49

In: 867.060+/-0.120 χ^2/NDF:6803897.6/44

Out: 873.872+/-0.116 χ^2/NDF:8865018.6/52

All: 870.576+/-0.083 χ^2/NDF: 15670589.9/97


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -37.216+/-36.850 χ²/NDF: 15.3/21
Left Out: 66.898+/-25.584 χ²/NDF:19.6/24
Right Out: -23.729+/-35.450 χ²/NDF: 42.1/27
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -30.211+/-25.548 χ²/NDF: 57.4/49
In: 40.290+/-21.406 χ²/NDF:58.9/44
Out: 35.861+/-20.746 χ²/NDF:66.0/52
All: 38.006+/-14.897 χ²/NDF: 124.9/97



Right In: 114.920+/-0.026 χ^2/NDF: 3167652.4/21

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

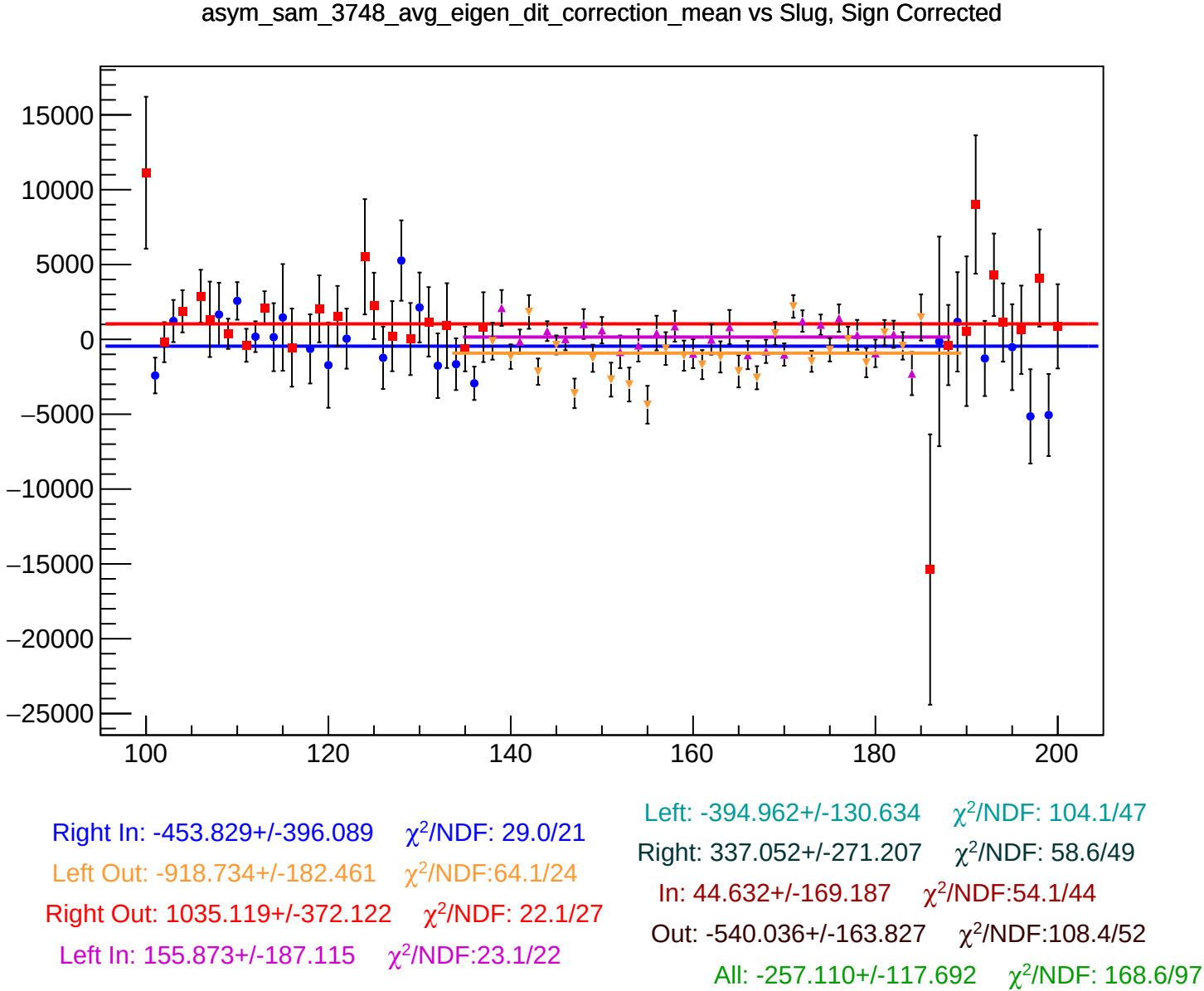
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 116.307+/-0.018 χ^2/NDF: 7868672.8/49

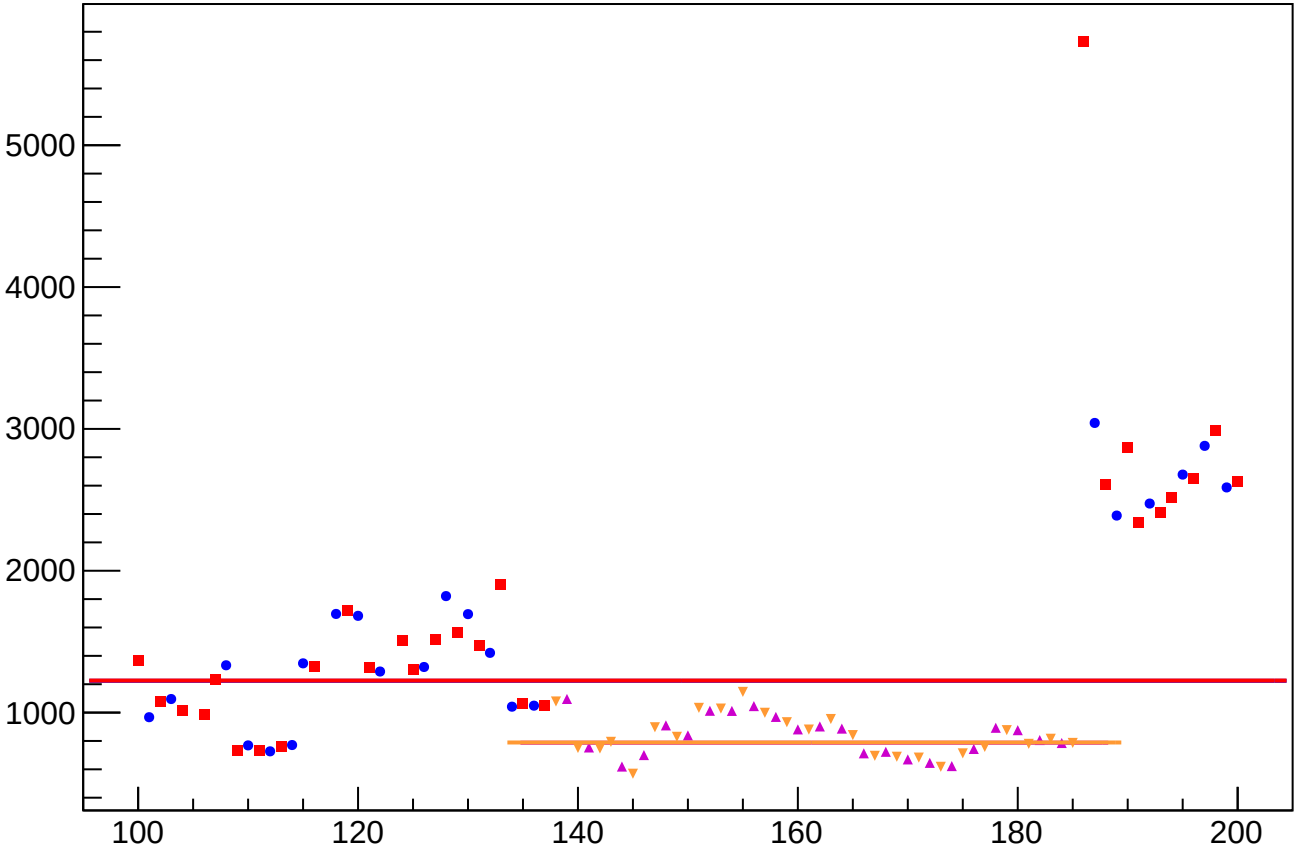
In: 110.662+/-0.015 χ^2/NDF:4587345.2/44

Out: 111.502+/-0.015 χ^2/NDF:6559899.1/52

All: 111.095+/-0.011 χ^2/NDF: 11148833.0/97


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: -453.829+/-396.089 χ²/NDF: 29.0/21
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: 337.052+/-271.207 χ²/NDF: 58.6/49
In: 44.632+/-169.187 χ²/NDF:54.1/44
Out: -540.036+/-163.827 χ²/NDF:108.4/52
All: -257.110+/-117.692 χ²/NDF: 168.6/97

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.050+/-0.280 χ^2/NDF: 3775278.0/21

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

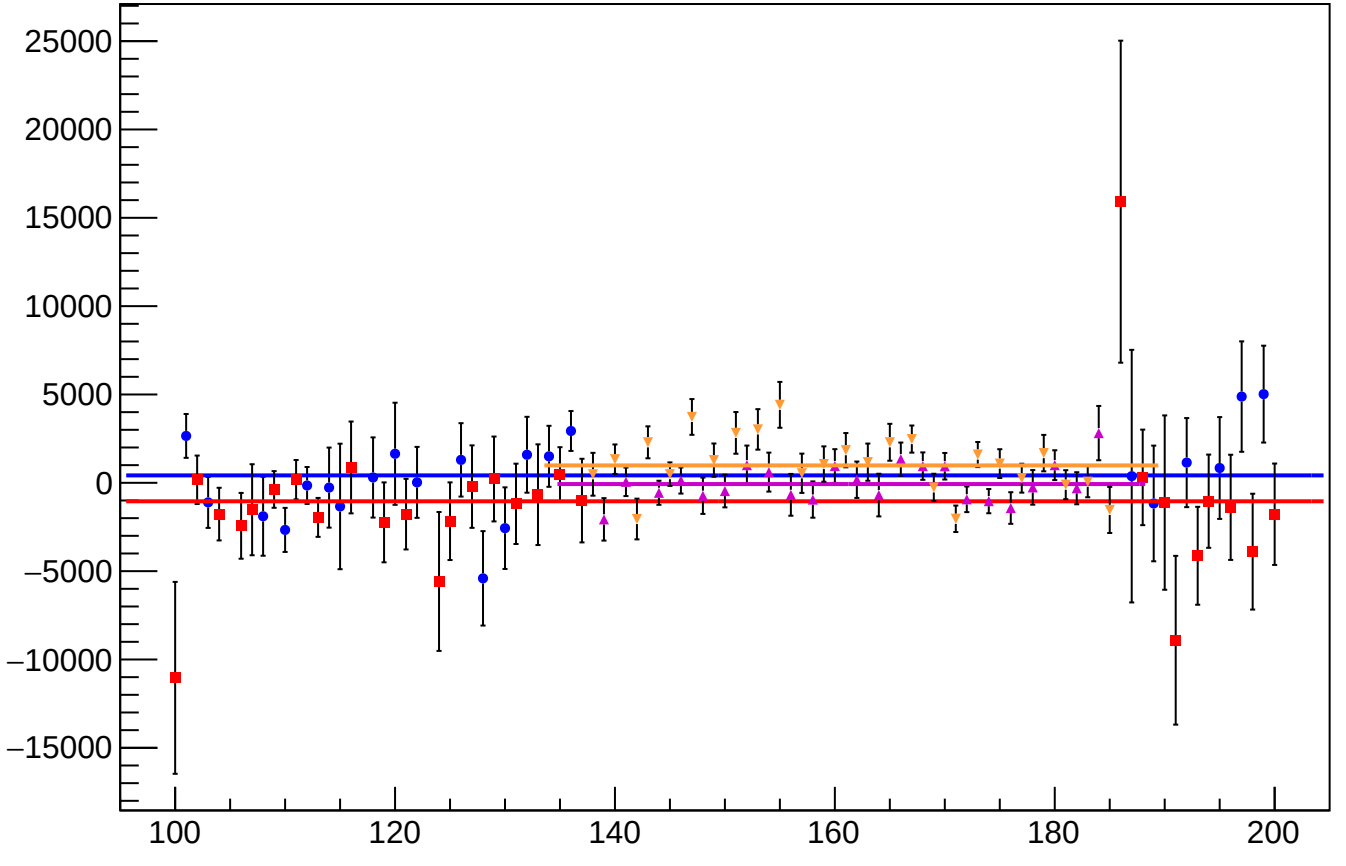
Right: 1225.006+/-0.192 χ^2/NDF: 9243986.2/49

In: 867.058+/-0.120 χ^2/NDF:6803904.4/44

Out: 873.871+/-0.116 χ^2/NDF:8865026.4/52

All: 870.574+/-0.083 χ^2/NDF: 15670604.4/97

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 420.400+/-400.134 χ^2/NDF: 29.8/21

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

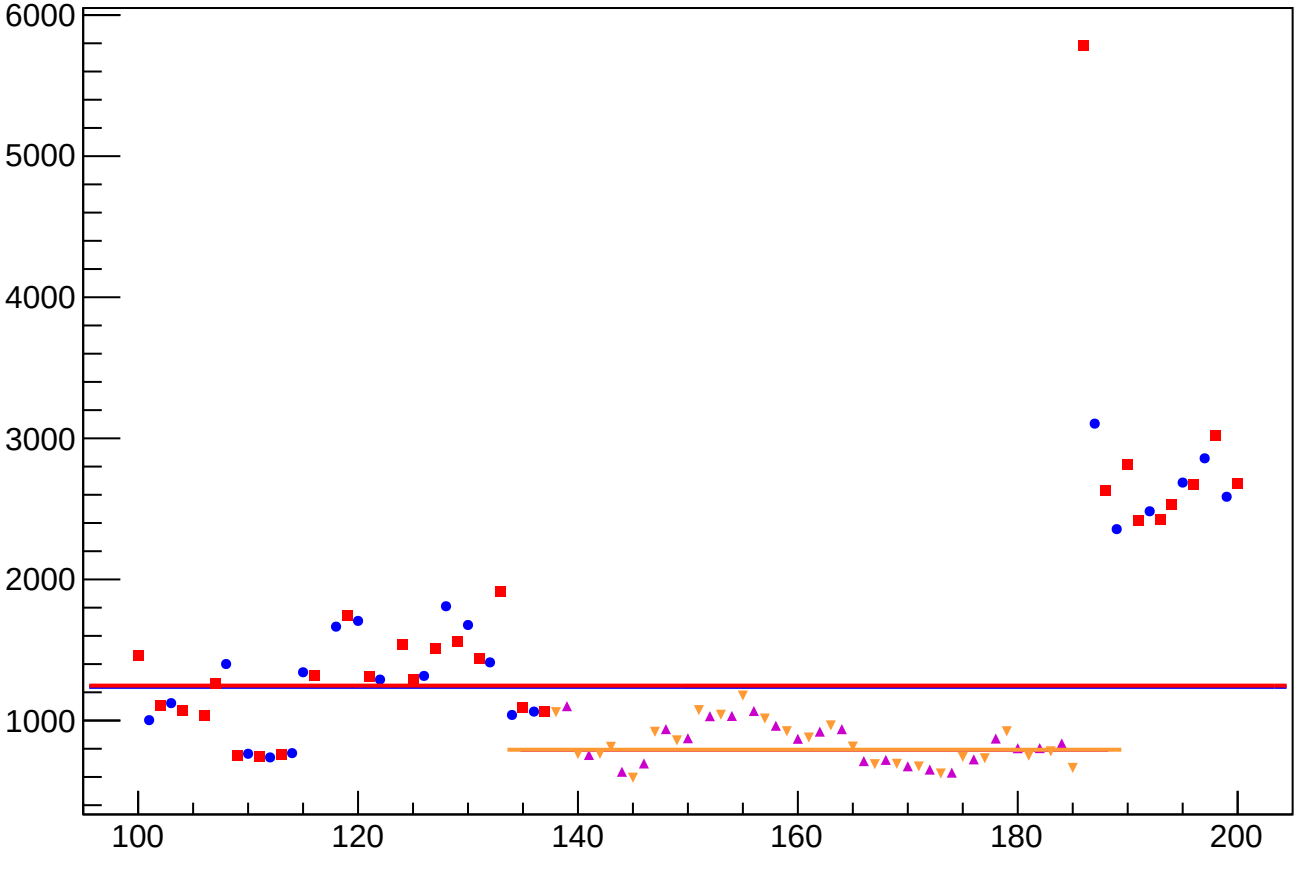
Right: -353.908+/-274.876 χ^2/NDF: 56.7/49

In: 18.635+/-170.181 χ^2/NDF:55.5/44

Out: 598.292+/-165.172 χ^2/NDF:106.8/52

All: 317.120+/-118.525 χ^2/NDF: 168.3/97

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1238.516+/-0.283 χ^2/NDF: 3691399.4/21

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

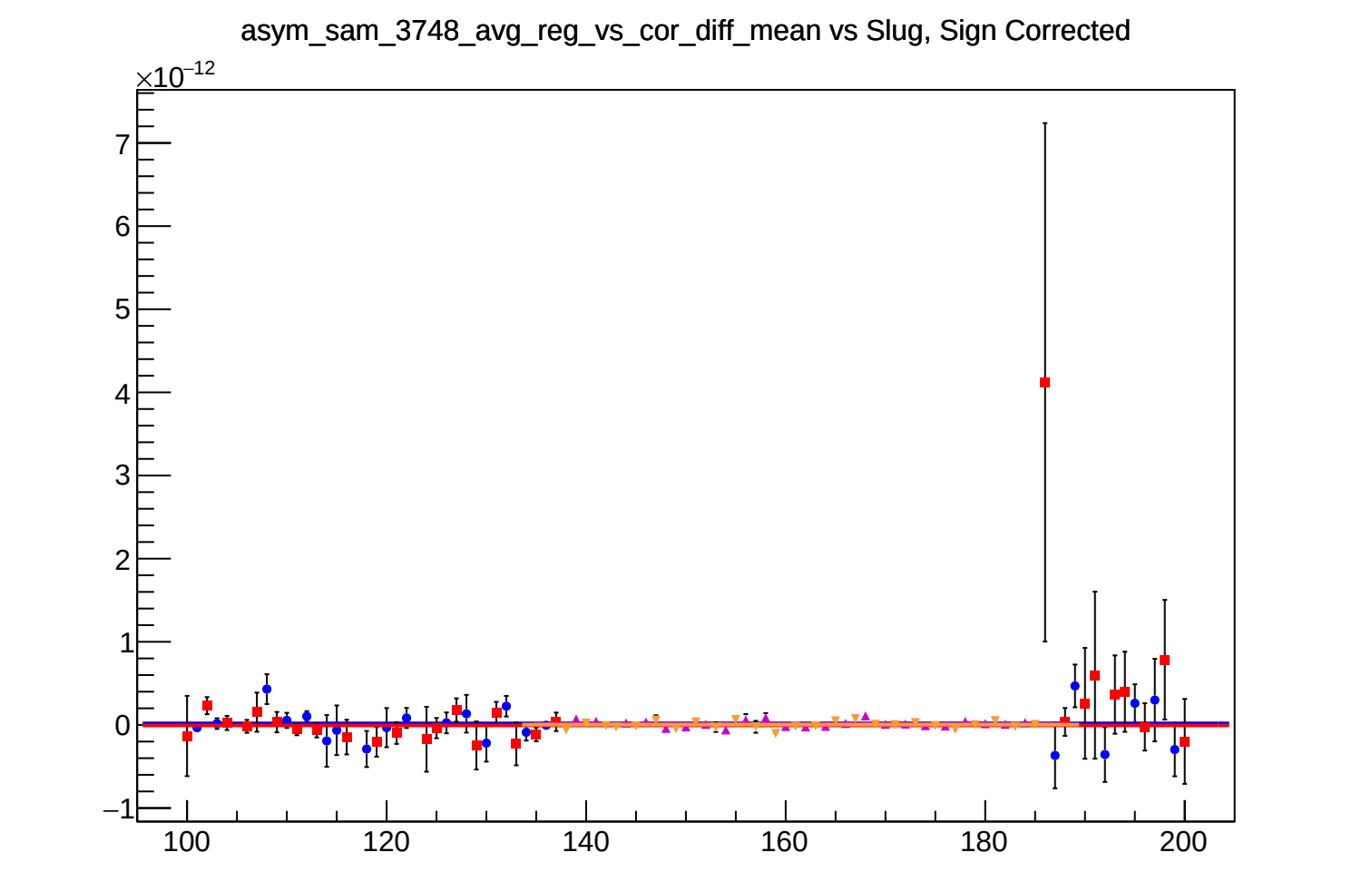
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1243.244+/-0.194 χ^2/NDF: 9073554.6/49

In: 872.078+/-0.120 χ^2/NDF:6788255.4/44

Out: 879.699+/-0.117 χ^2/NDF:8911707.6/52

All: 876.002+/-0.084 χ^2/NDF: 15702028.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/27

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

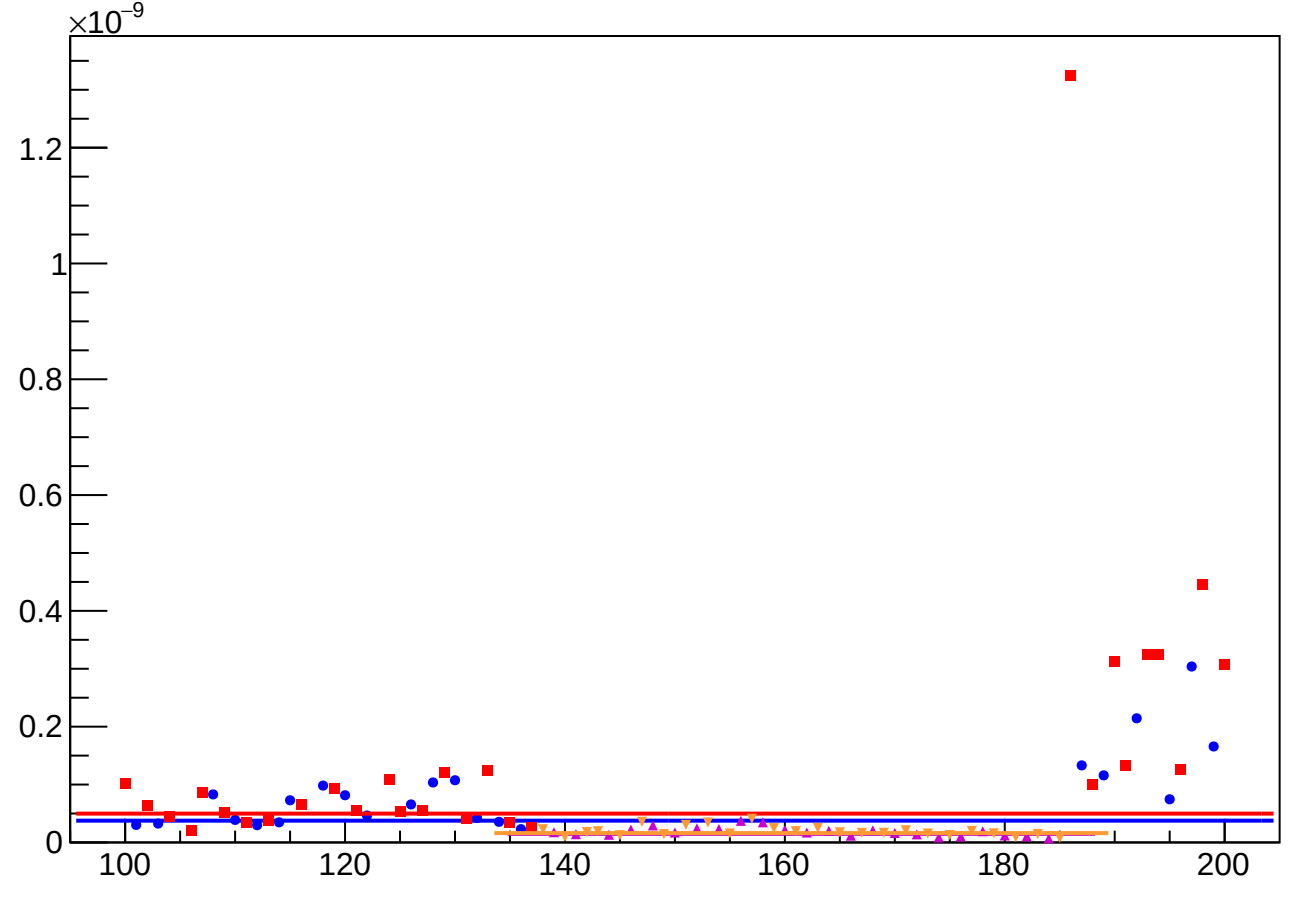
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 46.0/49

In: 0.000+/-0.000 χ^2/NDF:50.0/44

Out: 0.000+/-0.000 χ^2/NDF:55.0/52

All: 0.000+/-0.000 χ^2/NDF: 106.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 3051412.9/21

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

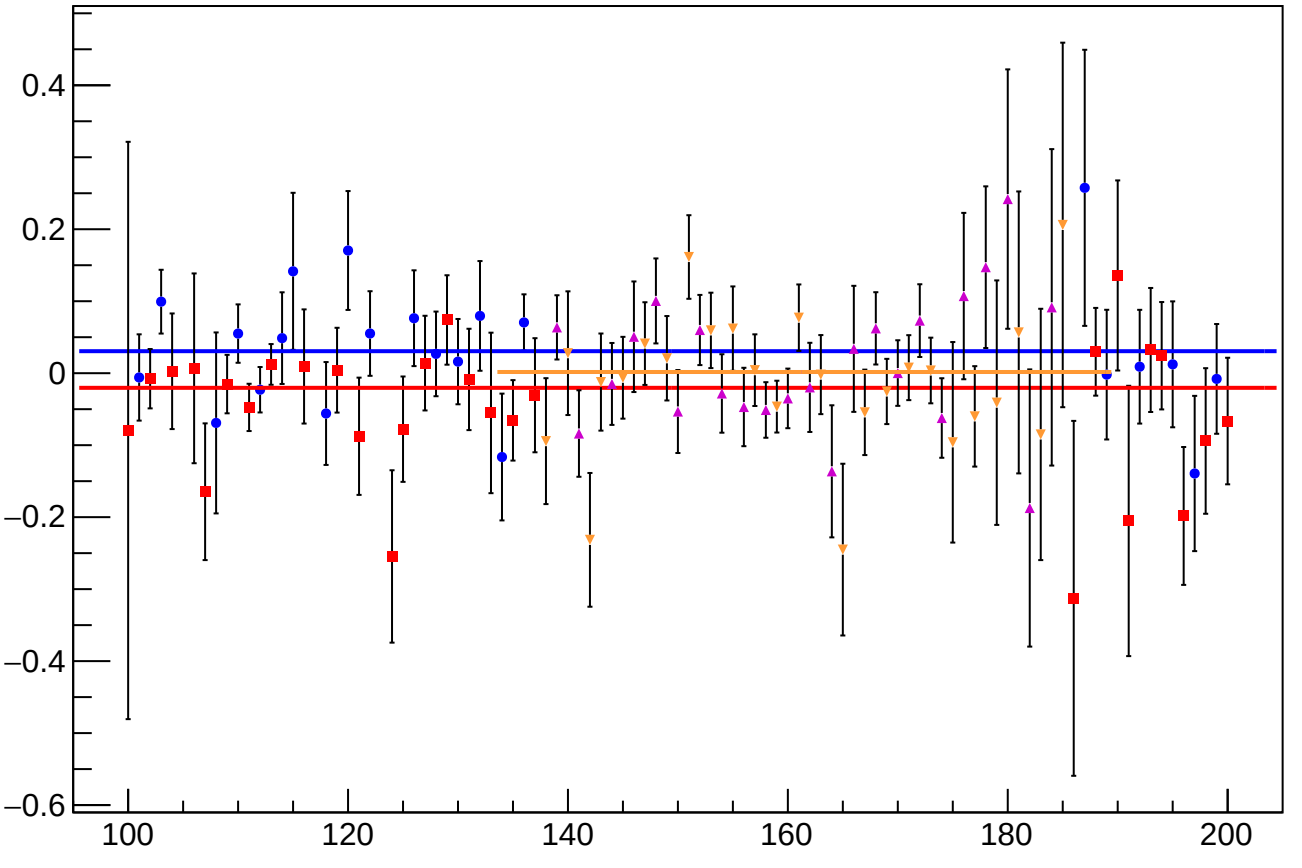
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7893519.1/49

In: 0.000+/-0.000 χ^2/NDF:6772377.5/44

Out: 0.000+/-0.000 χ^2/NDF:9399932.9/52

All: 0.000+/-0.000 χ^2/NDF: 16222731.0/97



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

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

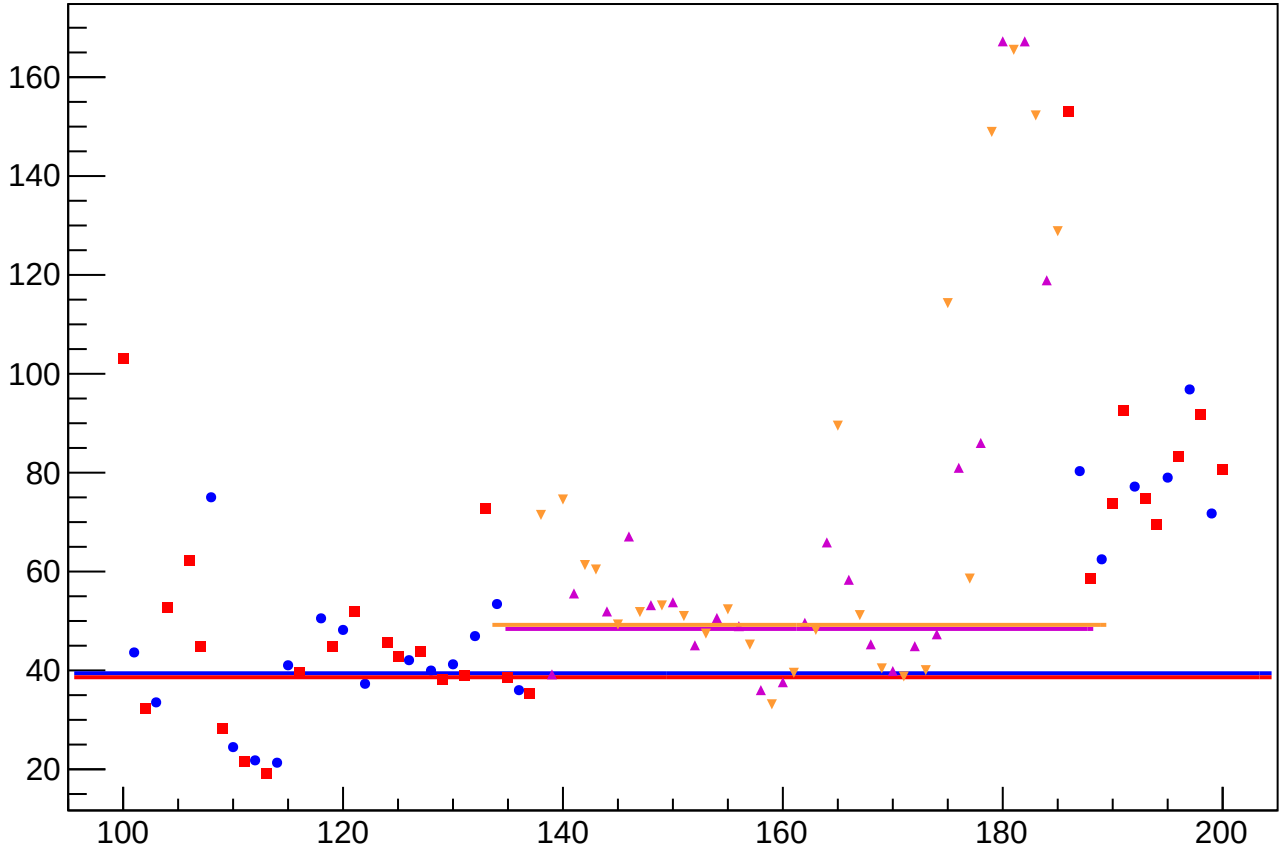
Right: 0.003+/-0.009 χ^2/NDF: 52.5/49

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 109.0/97

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

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

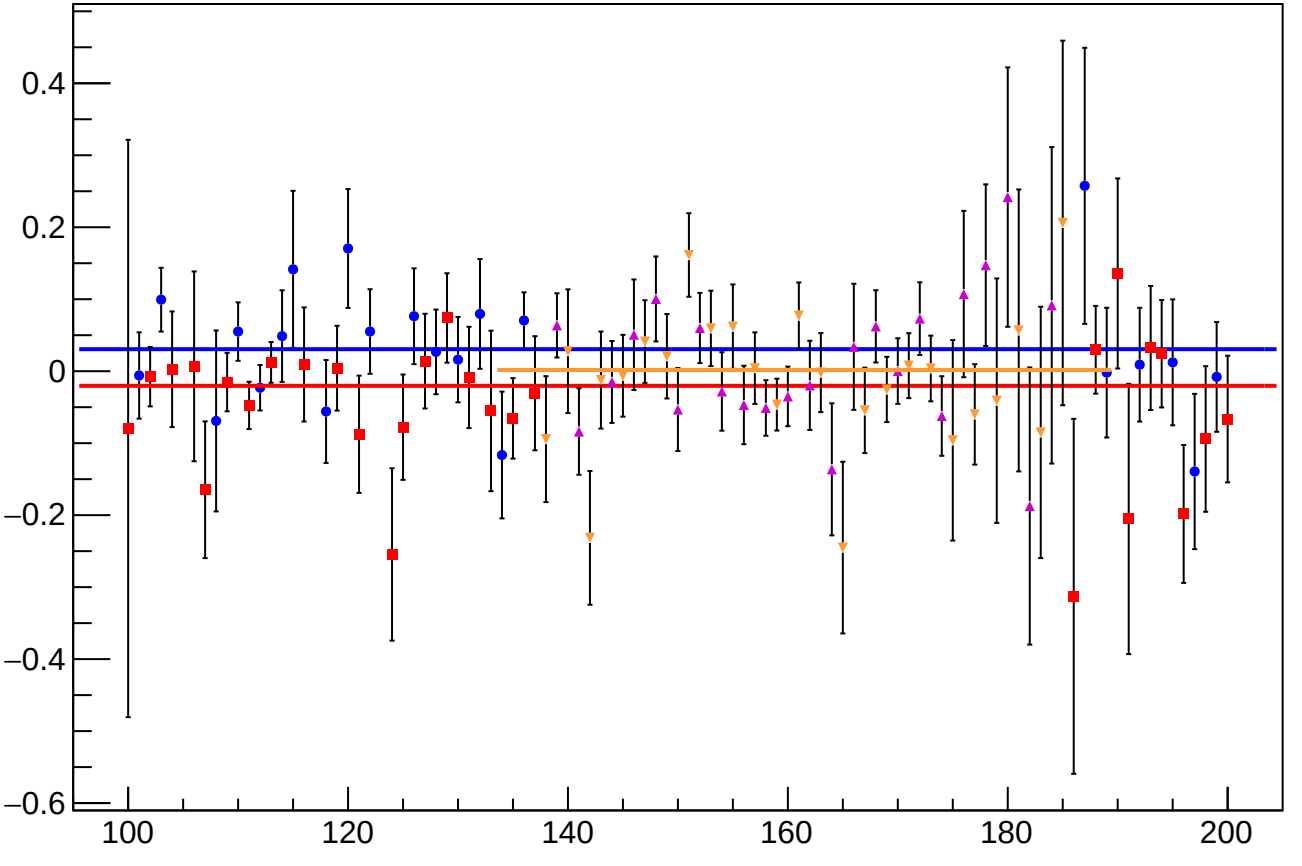
Right: 38.989+/-0.006 χ^2/NDF: 8677434.0/49

In: 44.143+/-0.006 χ^2/NDF:6971495.3/44

Out: 43.831+/-0.006 χ^2/NDF:10159988.8/52

All: 43.981+/-0.004 χ^2/NDF: 17132742.0/97

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

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

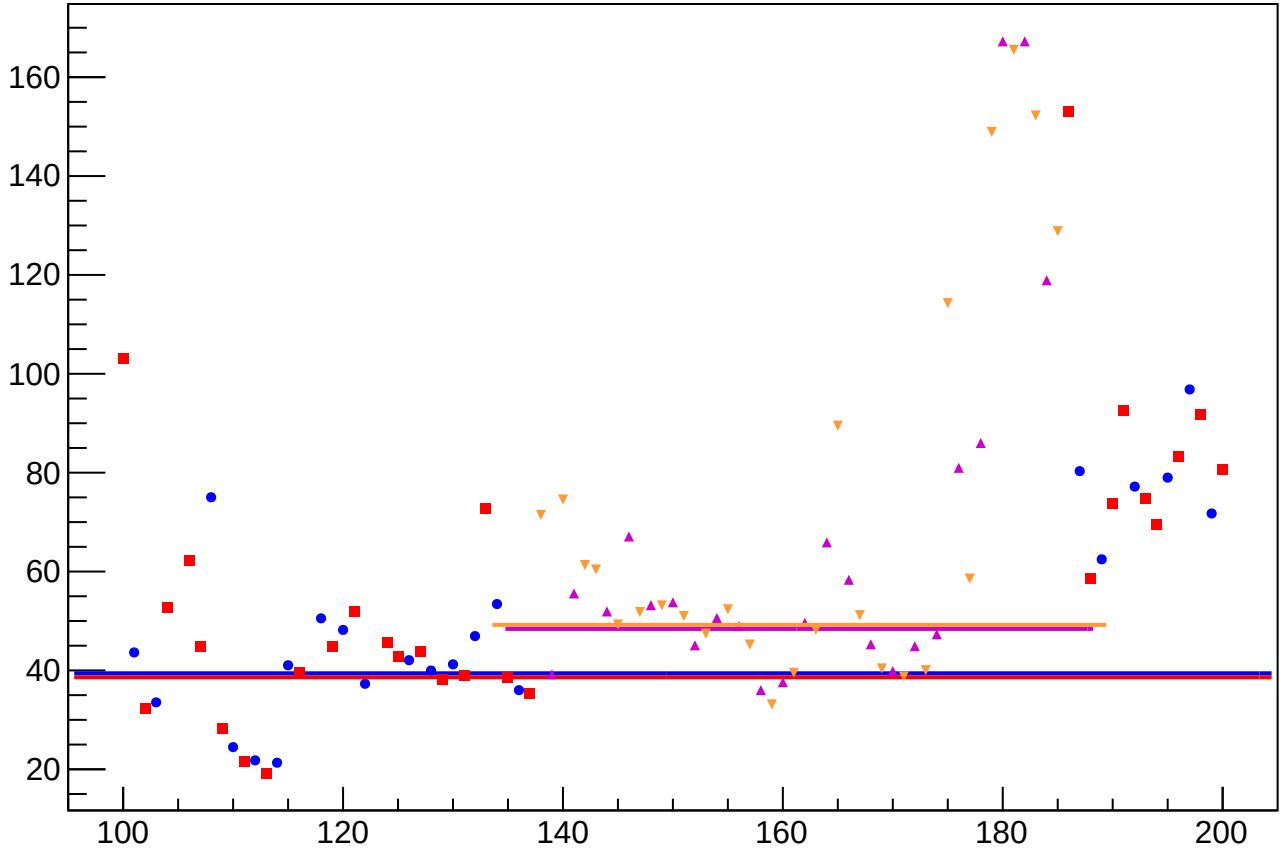
Right: 0.003+/-0.009 χ^2/NDF: 52.5/49

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 109.0/97

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

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

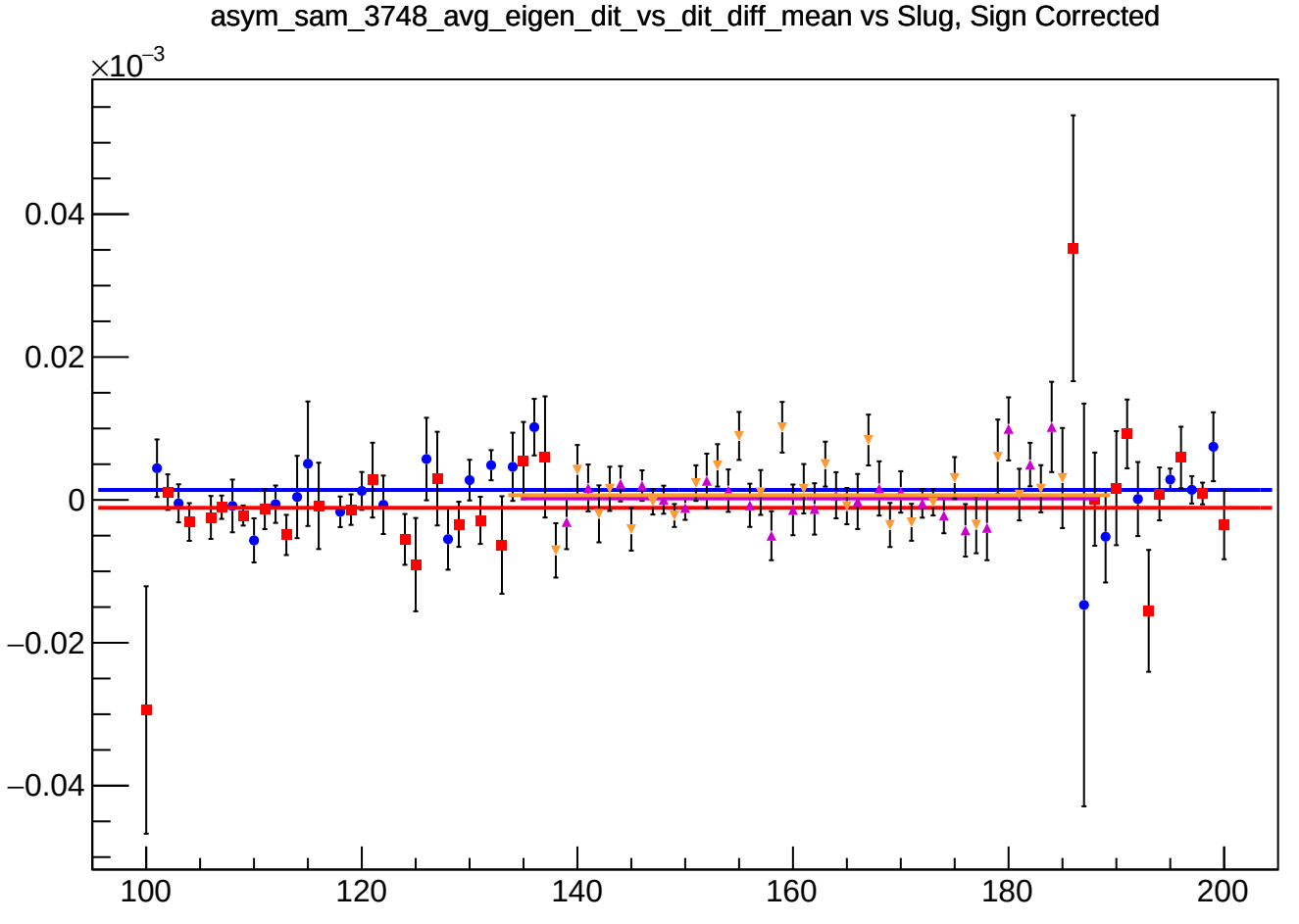
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 38.989+/-0.006 χ^2/NDF: 8677434.0/49

In: 44.143+/-0.006 χ^2/NDF:6971495.3/44

Out: 43.831+/-0.006 χ^2/NDF:10159988.8/52

All: 43.981+/-0.004 χ^2/NDF: 17132742.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/21

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

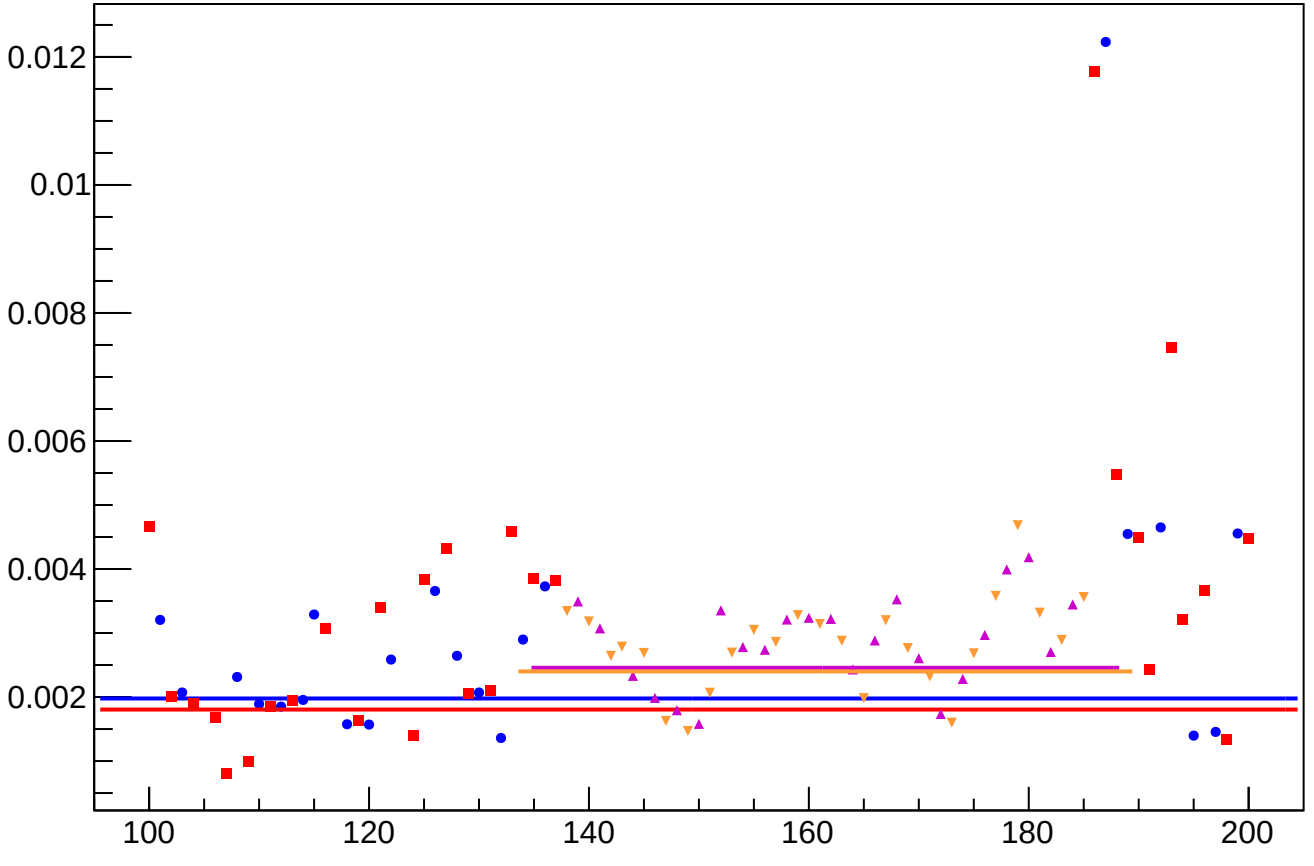
Right: 0.000+/-0.000 χ^2/NDF: 63.9/49

In: 0.000+/-0.000 χ^2/NDF:46.7/44

Out: -0.000+/-0.000 χ^2/NDF:76.9/52

All: 0.000+/-0.000 χ^2/NDF: 126.1/97

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3400520.1/21

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

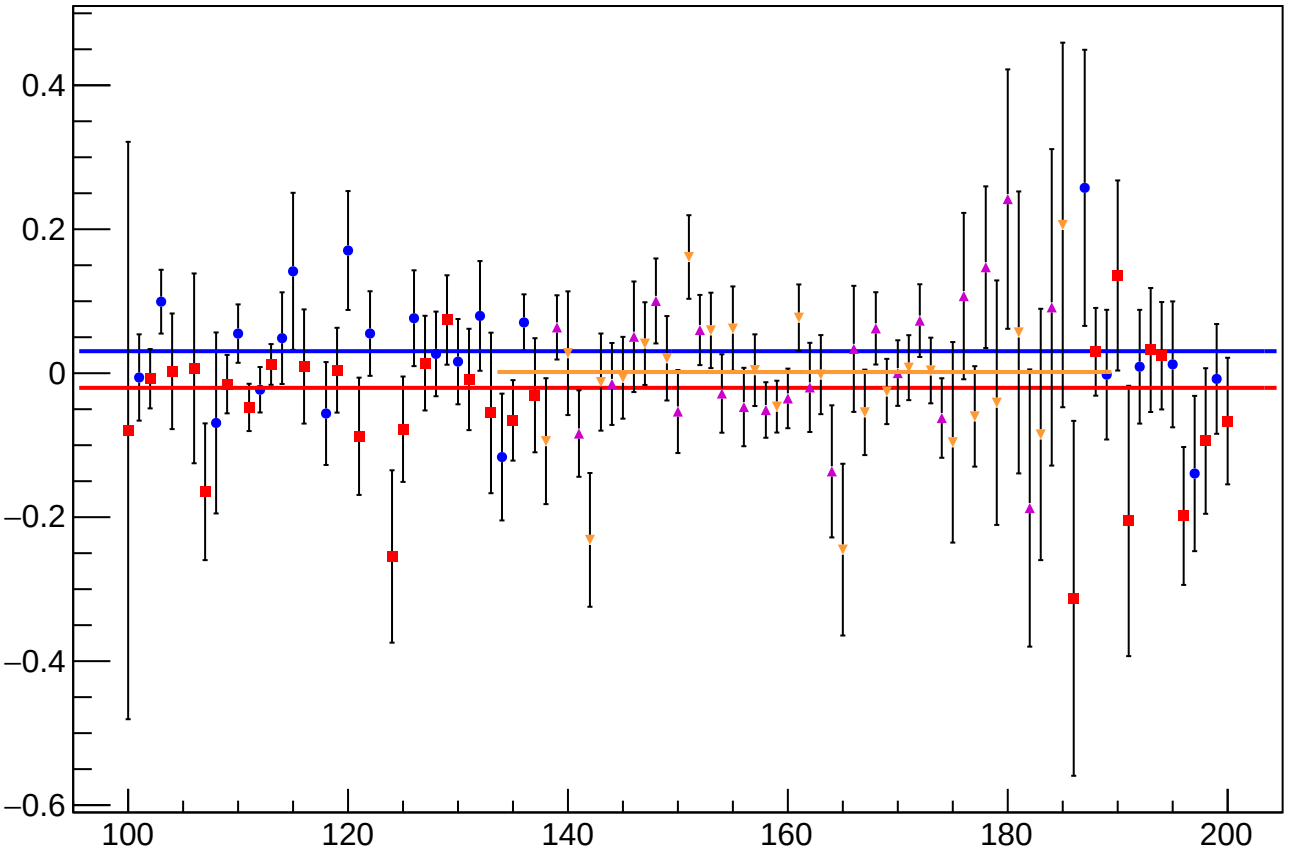
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 10356341.0/49

In: 0.002+/-0.000 χ^2/NDF:6612256.8/44

Out: 0.002+/-0.000 χ^2/NDF:11061712.3/52

All: 0.002+/-0.000 χ^2/NDF: 17765540.1/97



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

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

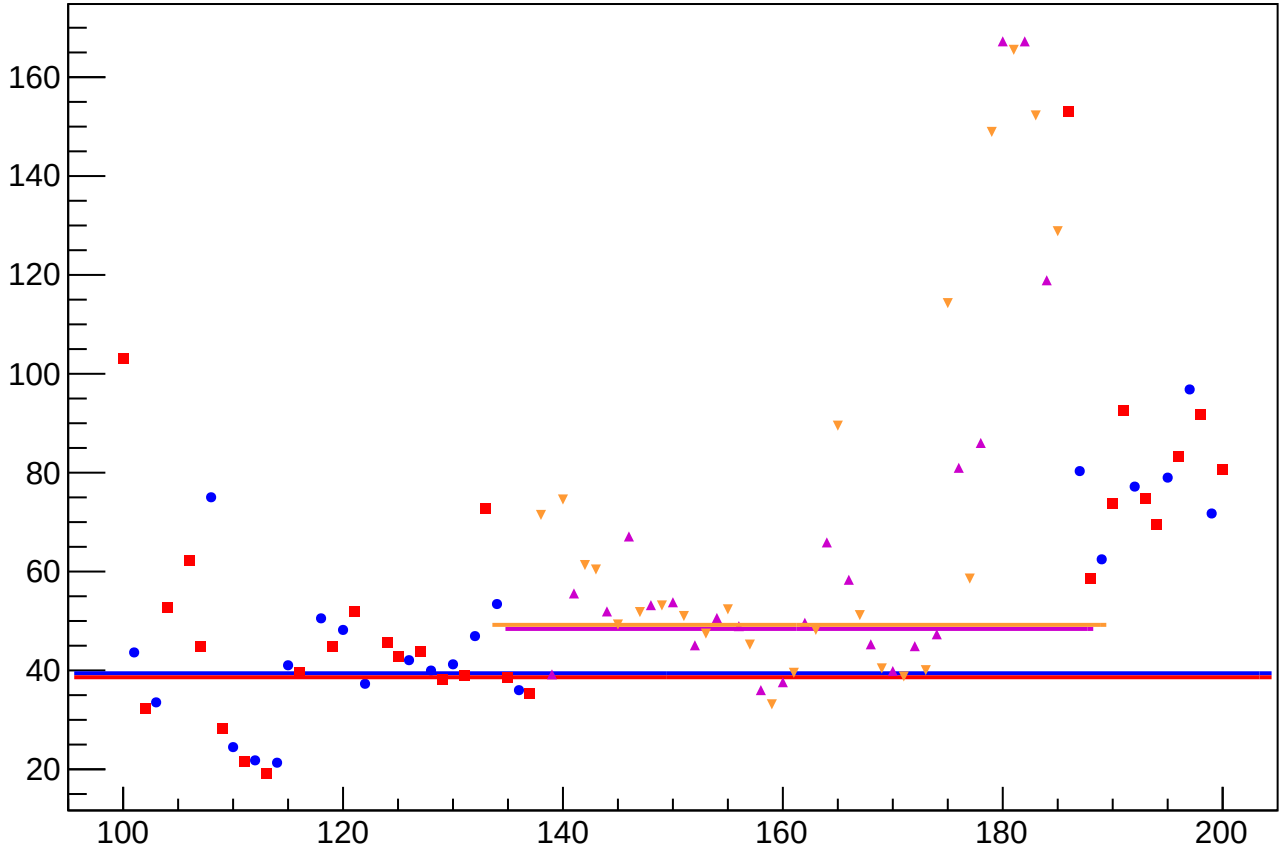
Right: 0.003+/-0.009 χ^2/NDF: 52.5/49

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 109.0/97

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

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

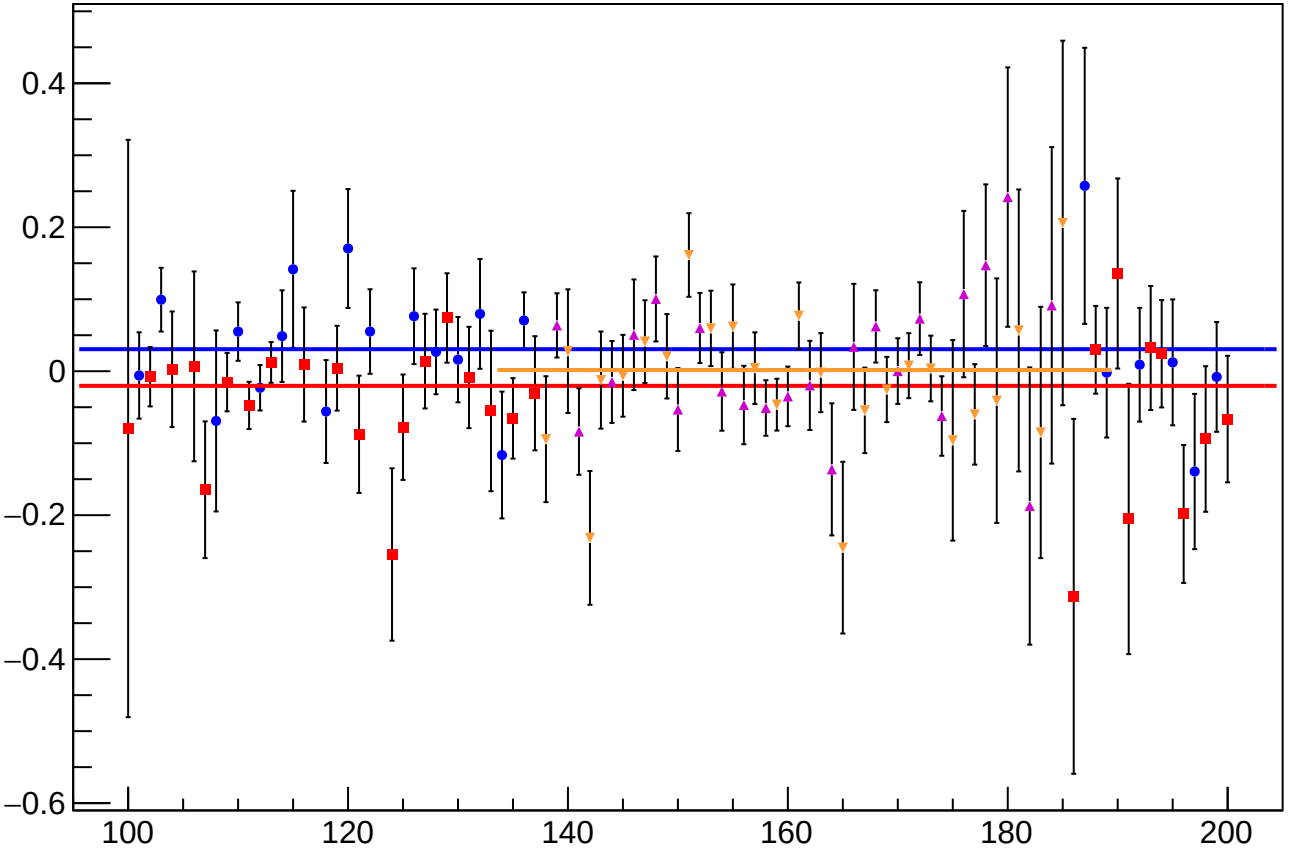
Right: 38.989+/-0.006 χ^2/NDF: 8677286.2/49

In: 44.143+/-0.006 χ^2/NDF:6971376.1/44

Out: 43.831+/-0.006 χ^2/NDF:10159912.8/52

All: 43.981+/-0.004 χ^2/NDF: 17132546.2/97

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

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

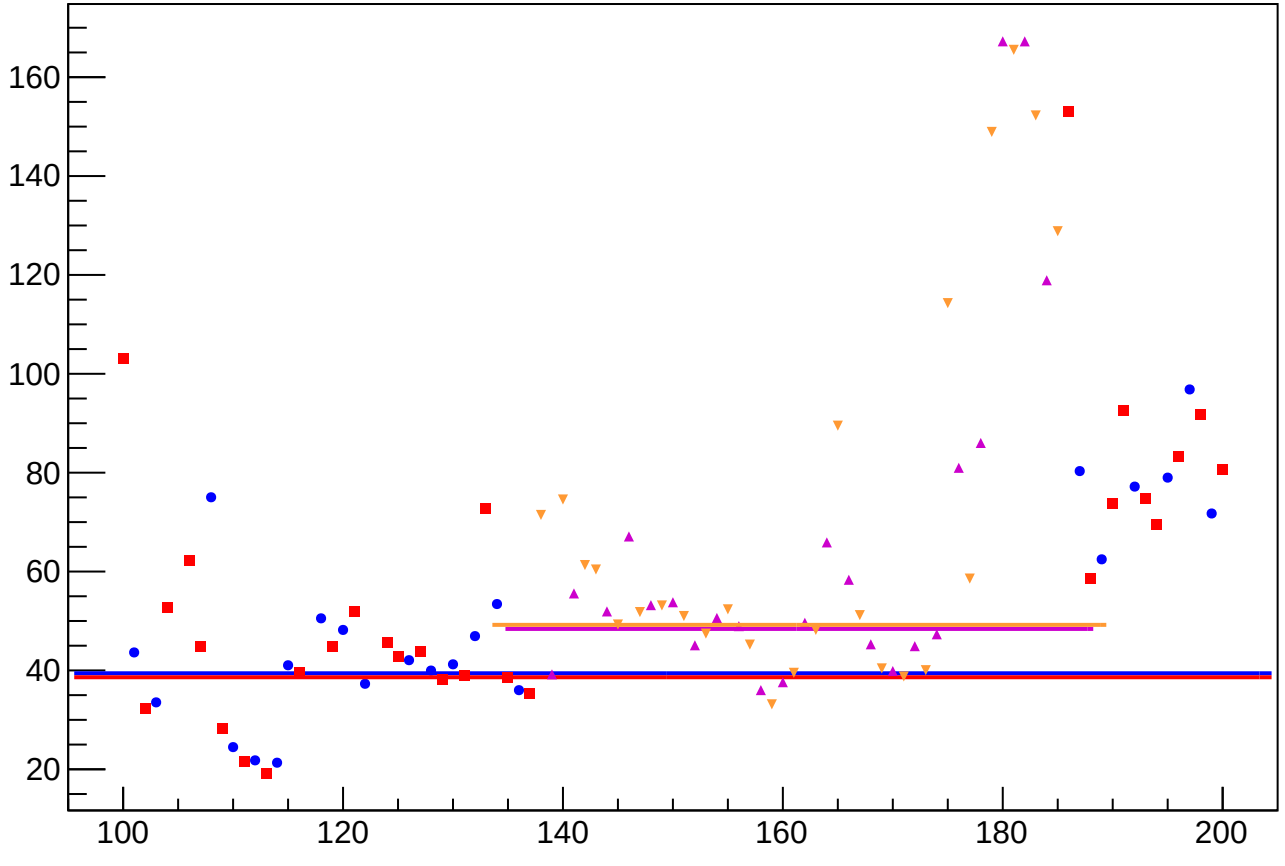
Right: 0.003+/-0.009 χ^2/NDF: 52.5/49

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.9/52

All: 0.002+/-0.006 χ^2/NDF: 109.0/97

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

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

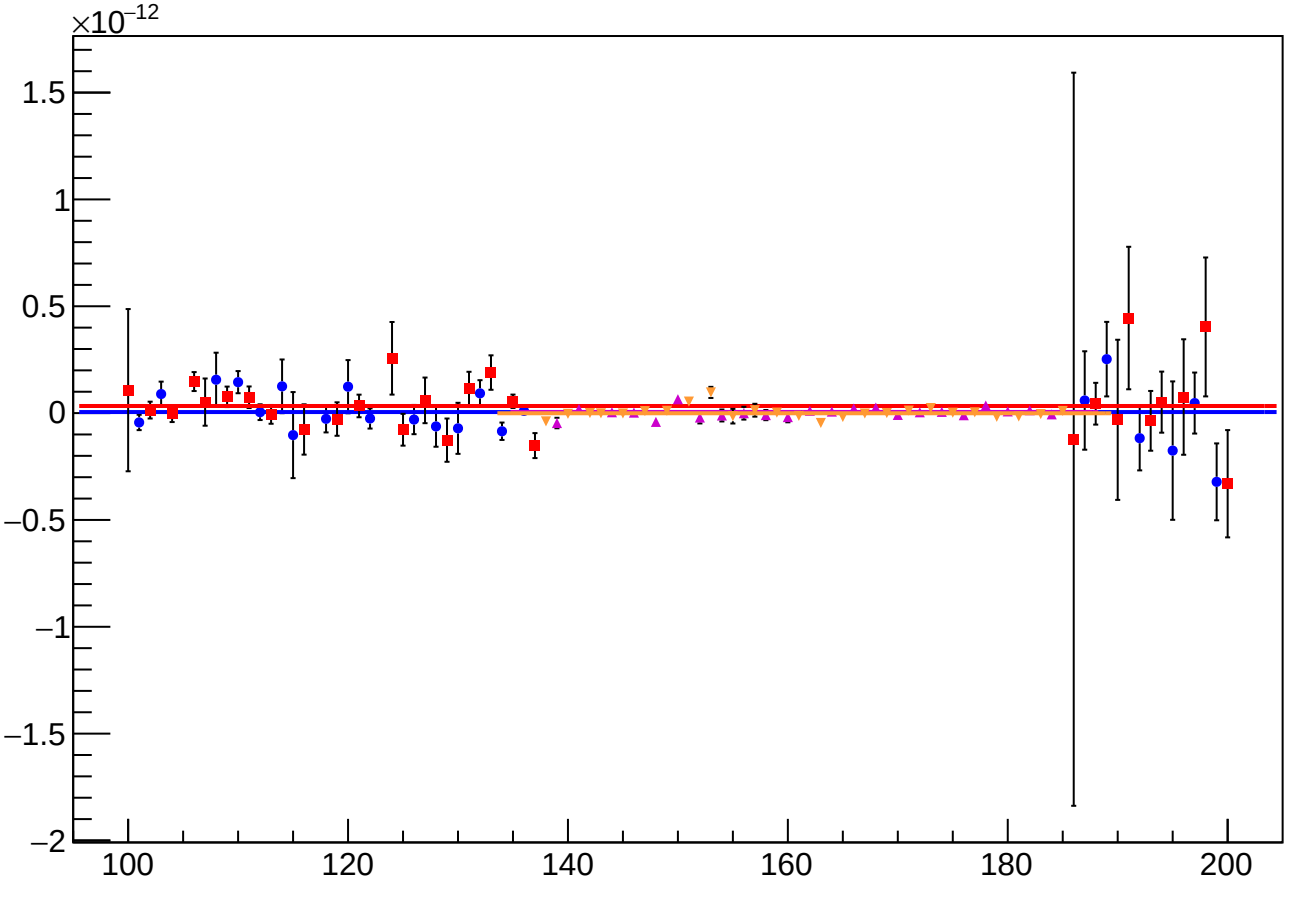
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 38.989+/-0.006 χ^2/NDF: 8677286.2/49

In: 44.143+/-0.006 χ^2/NDF:6971376.1/44

Out: 43.831+/-0.006 χ^2/NDF:10159912.8/52

All: 43.981+/-0.004 χ^2/NDF: 17132546.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

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

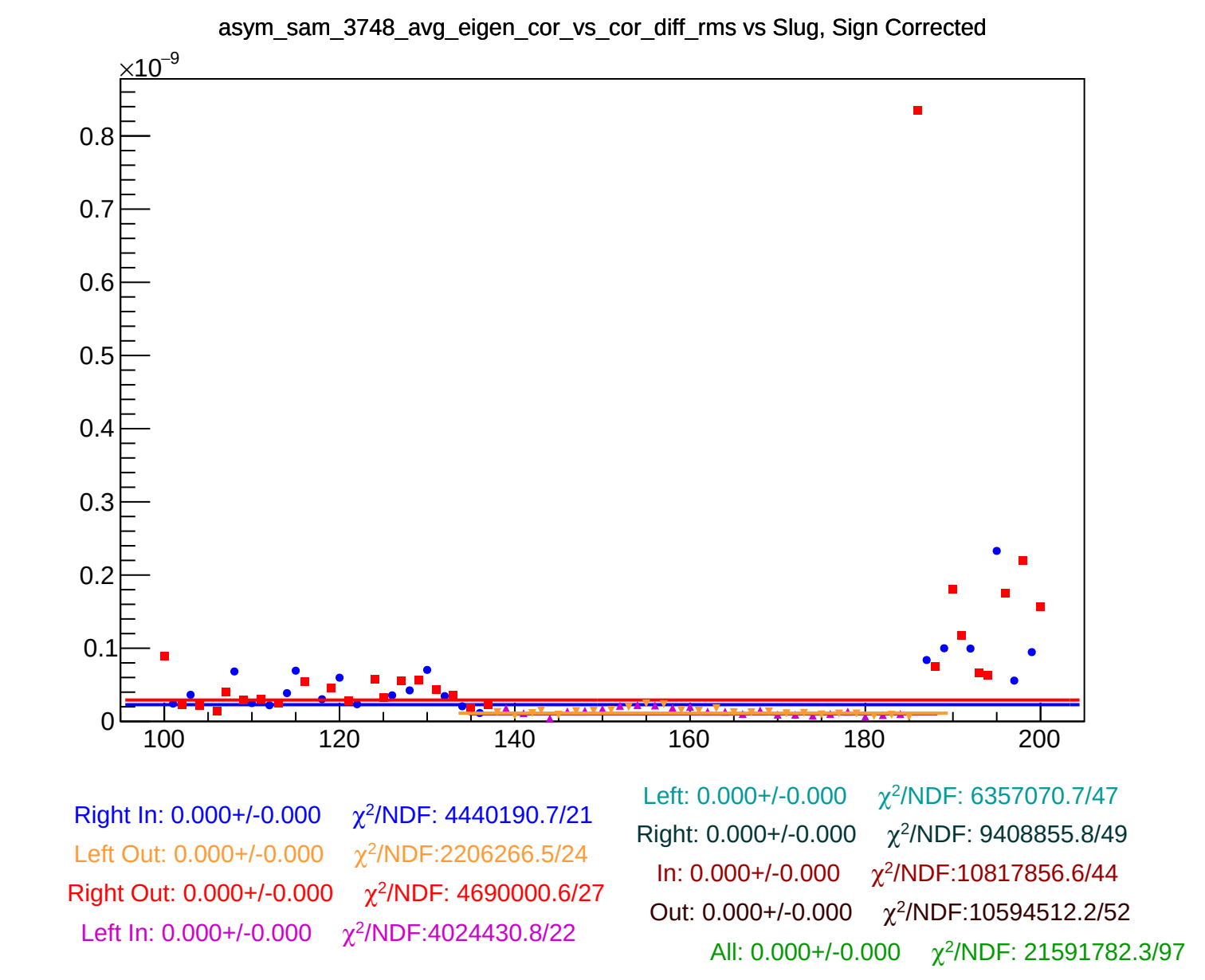
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

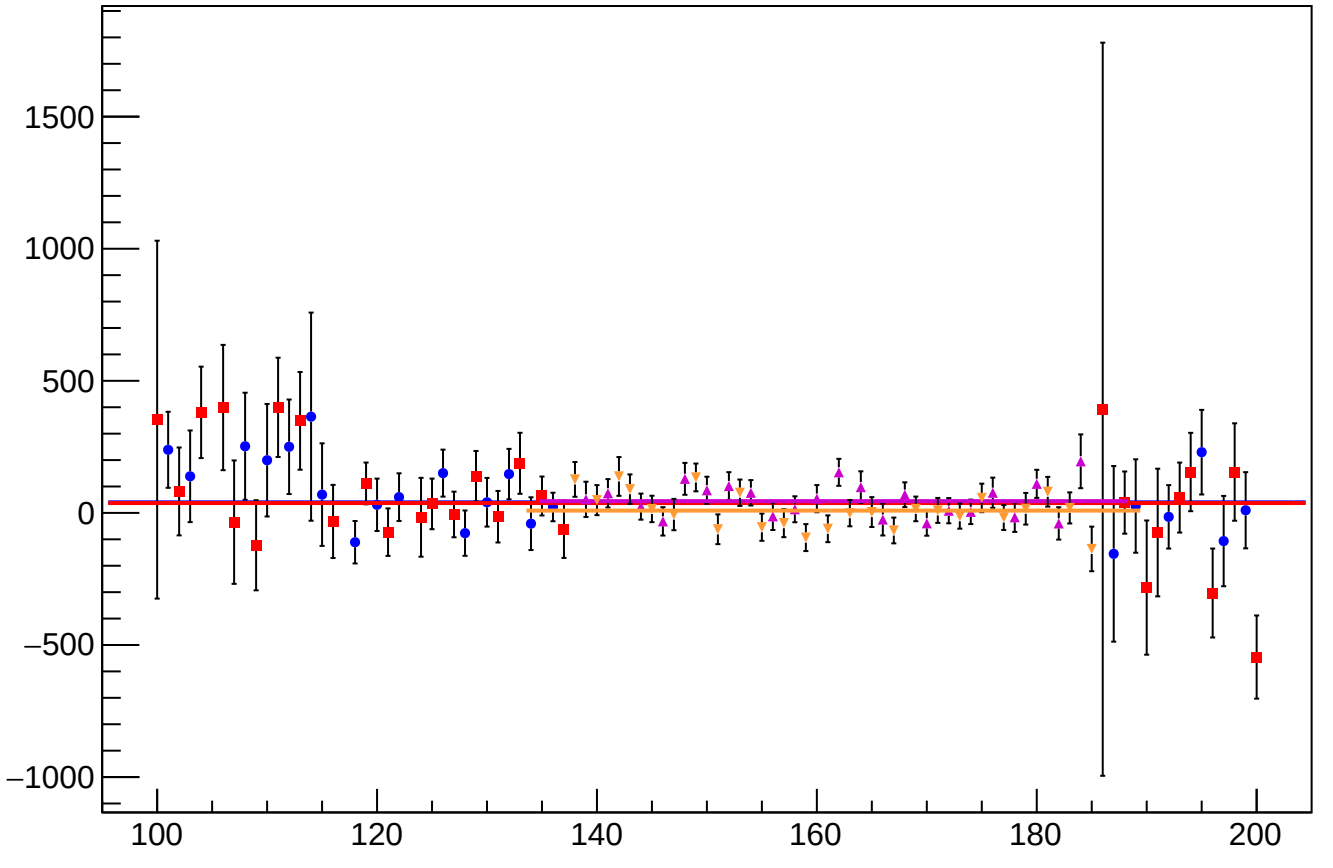
Right: 0.000+/-0.000 χ^2/NDF: 71.5/49

In: 0.000+/-0.000 χ^2/NDF:58.4/44

Out: 0.000+/-0.000 χ^2/NDF:82.4/52

All: 0.000+/-0.000 χ^2/NDF: 141.6/97


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4440190.7/21
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4690000.6/27
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
Left: 0.000+/-0.000 χ²/NDF: 6357070.7/47
Right: 0.000+/-0.000 χ²/NDF: 9408855.8/49
In: 0.000+/-0.000 χ²/NDF:10817856.6/44
Out: 0.000+/-0.000 χ²/NDF:10594512.2/52
All: 0.000+/-0.000 χ²/NDF: 21591782.3/97



Right In: 39.892+/-23.998 χ^2/NDF: 17.7/21

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

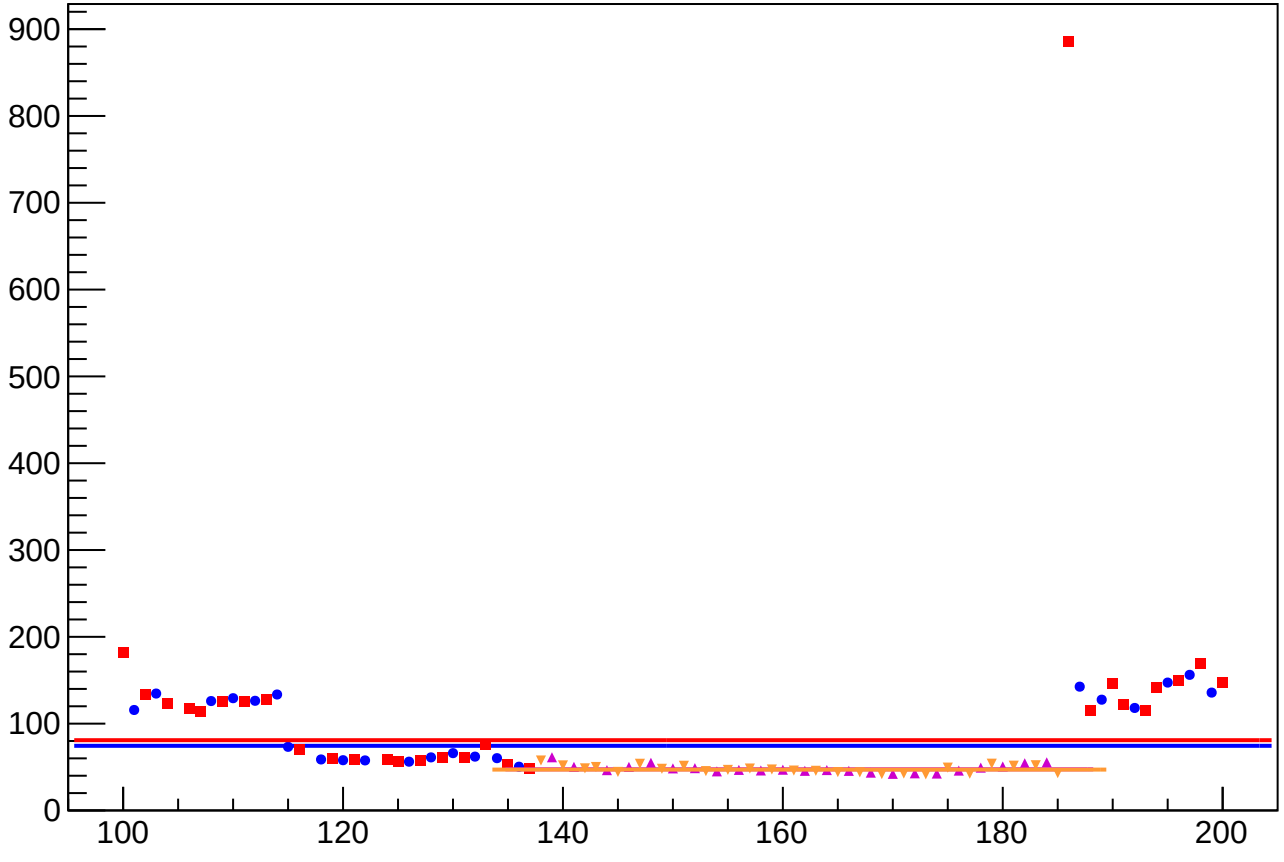
Right: 38.630+/-17.070 χ^2/NDF: 59.6/49

In: 43.716+/-10.111 χ^2/NDF:44.8/44

Out: 13.452+/-9.845 χ^2/NDF:77.7/52

All: 28.181+/-7.054 χ^2/NDF: 127.0/97

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 74.470+/-0.017 χ^2/NDF: 3465662.8/21

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

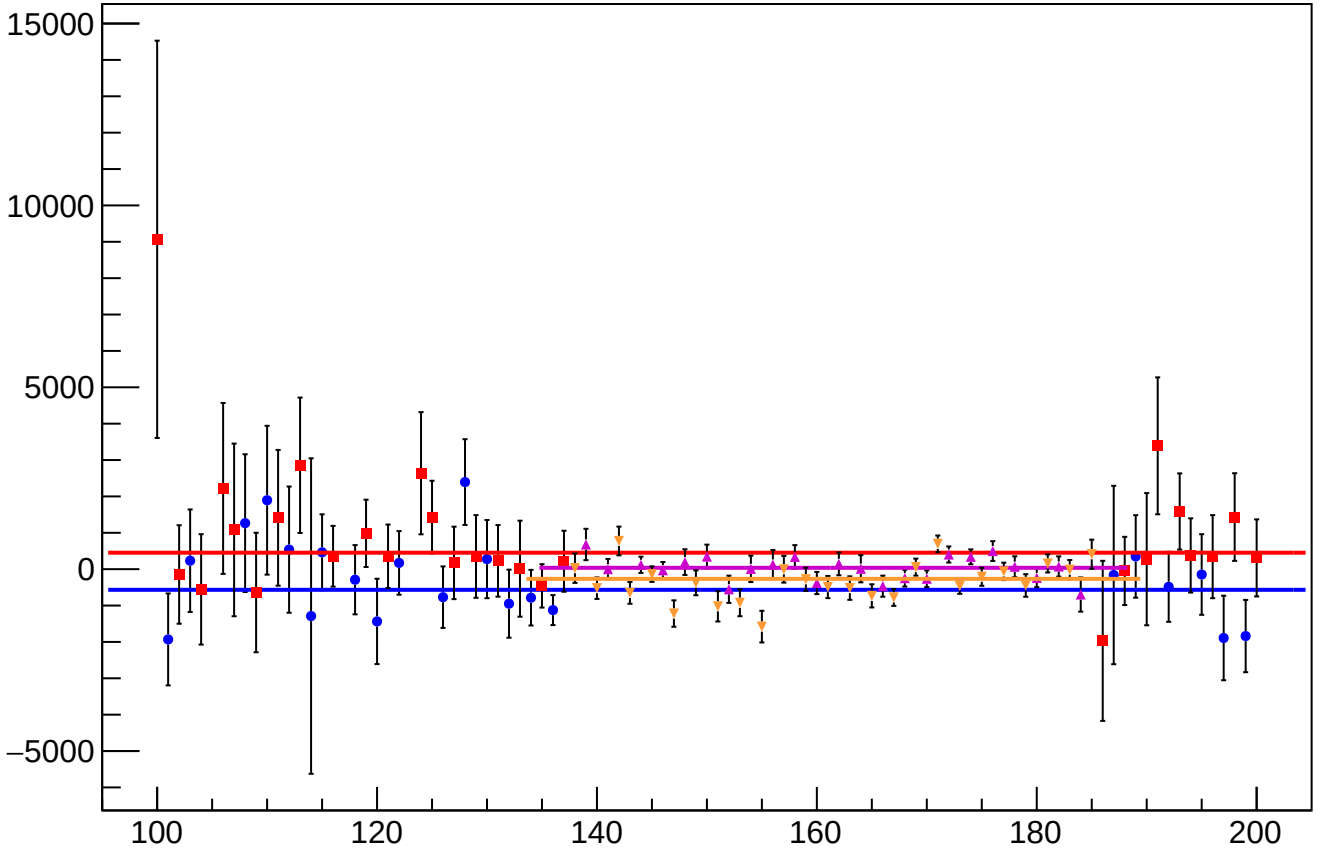
Right: 77.664+/-0.012 χ^2/NDF: 8234657.0/49

In: 52.192+/-0.007 χ^2/NDF:5832304.0/44

Out: 52.630+/-0.007 χ^2/NDF:8235829.3/52

All: 52.417+/-0.005 χ^2/NDF: 14070064.3/97

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -567.175+/-211.272 χ^2/NDF: 19.5/21

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

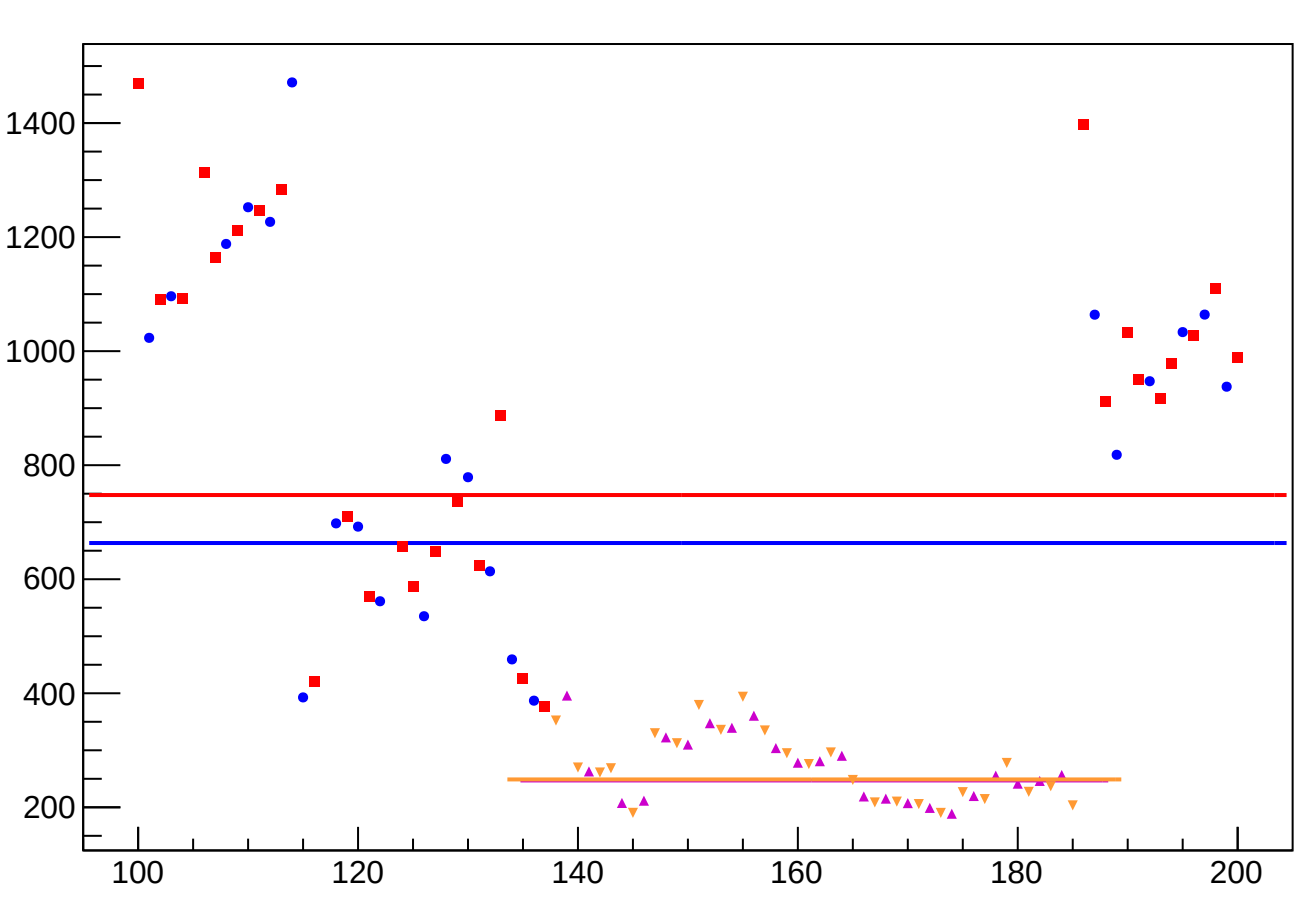
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -69.252+/-151.163 χ^2/NDF: 48.5/49

In: -6.437+/-56.968 χ^2/NDF:53.7/44

Out: -217.457+/-56.050 χ^2/NDF:97.7/52

All: -113.661+/-39.954 χ^2/NDF: 158.4/97



Right In: 663.507+/-0.149 χ^2/NDF: 3140981.0/21

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

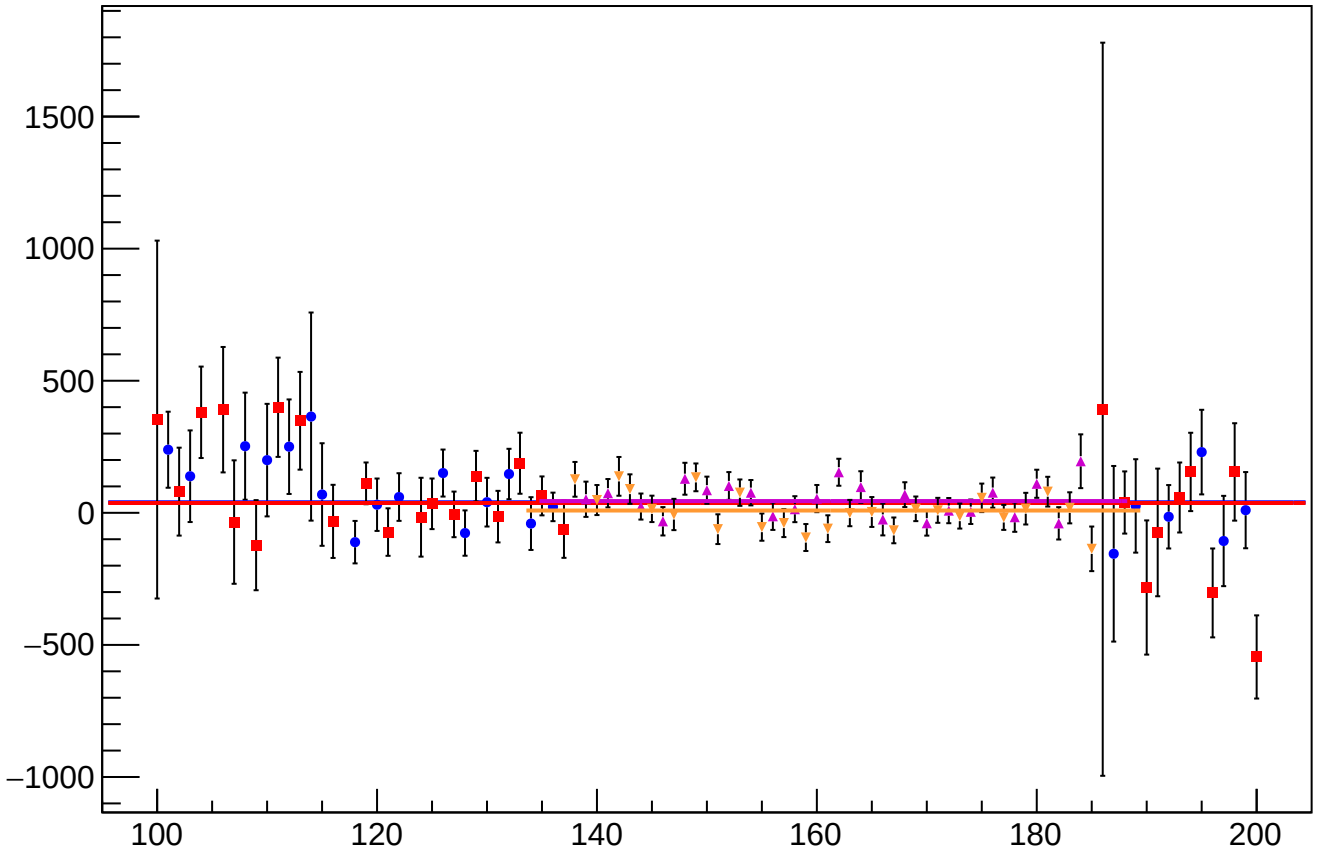
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 704.581+/-0.107 χ^2/NDF: 6572443.5/49

In: 277.384+/-0.040 χ^2/NDF:11829498.8/44

Out: 282.361+/-0.040 χ^2/NDF:14854537.0/52

All: 279.913+/-0.028 χ^2/NDF: 26691790.0/97



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

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

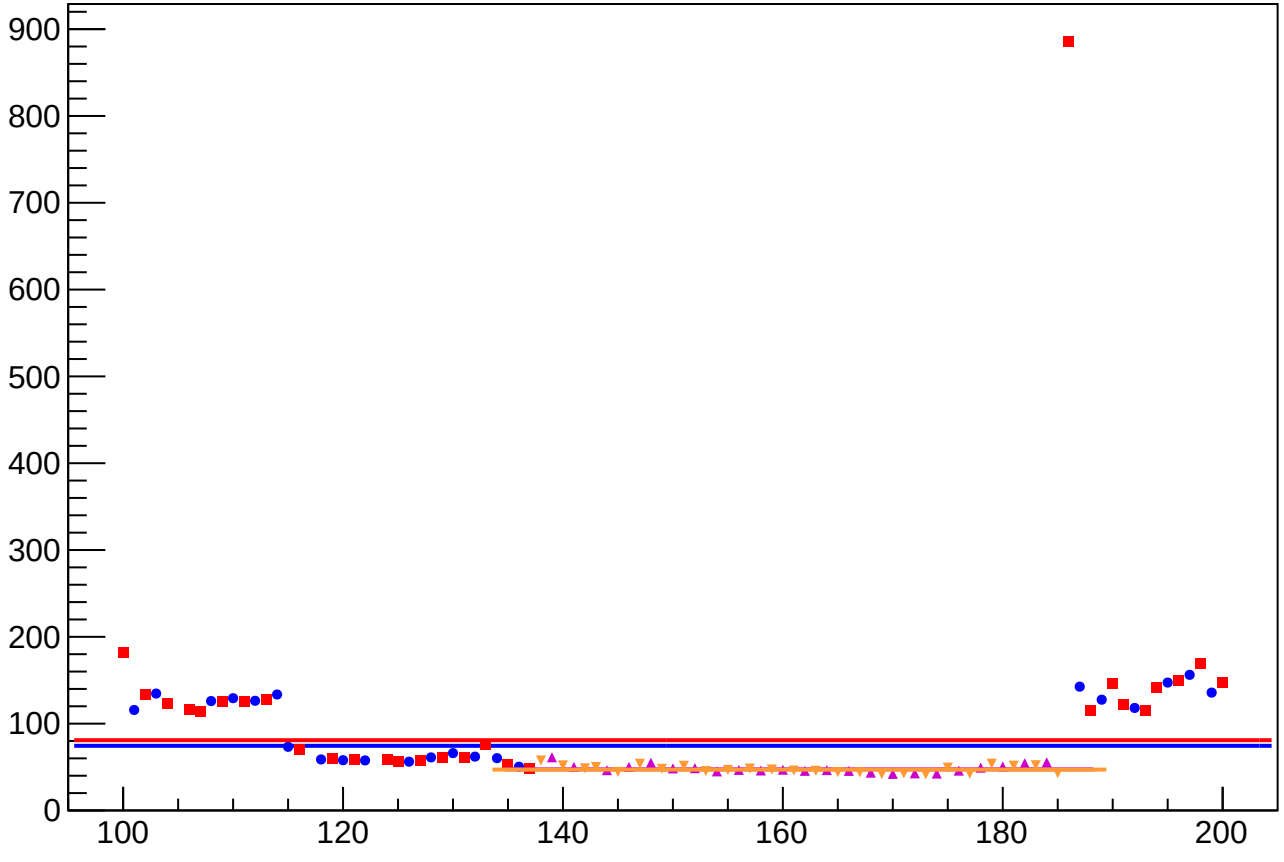
Right: 38.566+/-17.071 χ^2/NDF: 59.5/49

In: 43.714+/-10.111 χ^2/NDF:44.8/44

Out: 13.434+/-9.845 χ^2/NDF:77.5/52

All: 28.171+/-7.054 χ^2/NDF: 126.9/97

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

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

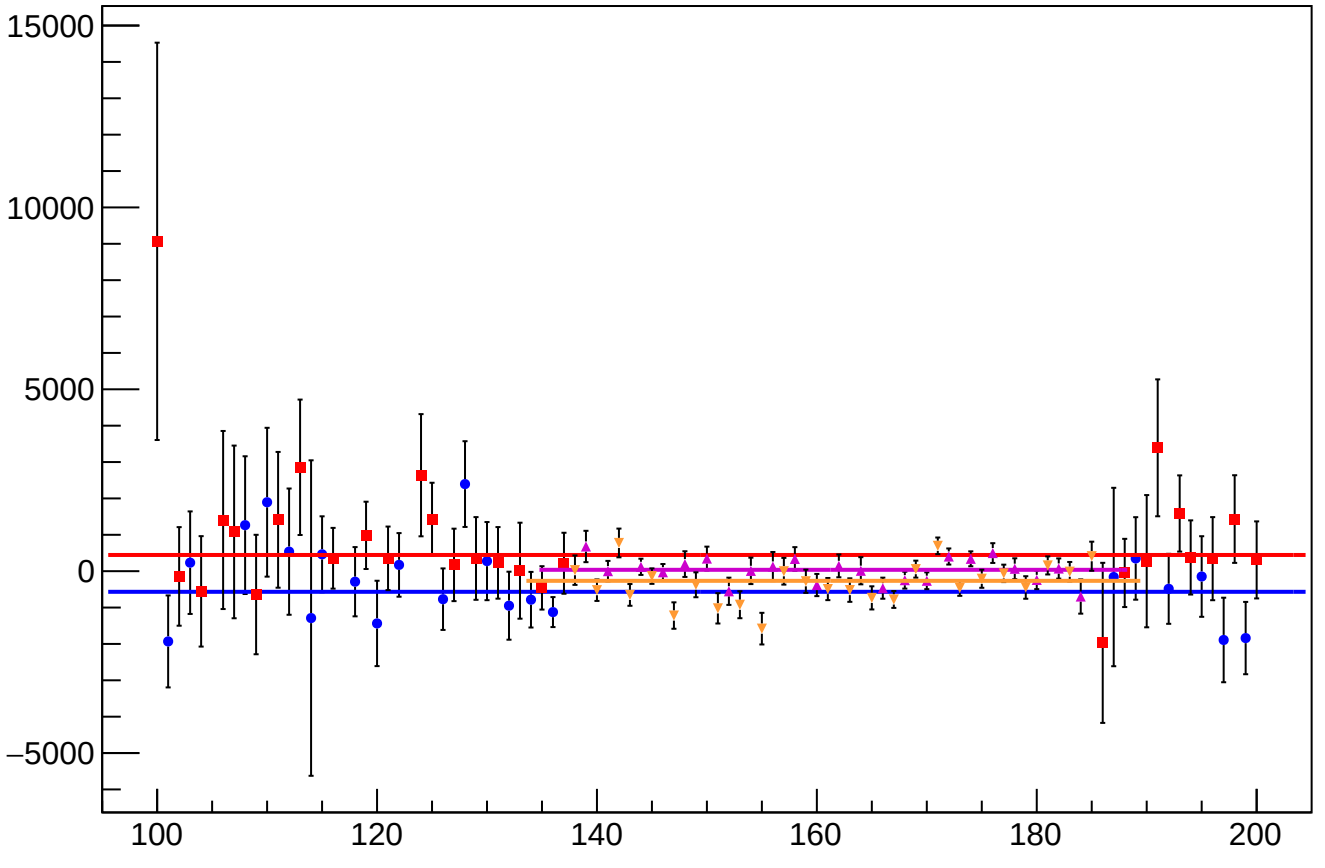
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 77.659+/-0.012 χ^2/NDF: 8232022.9/49

In: 52.192+/-0.007 χ^2/NDF:5832306.0/44

Out: 52.628+/-0.007 χ^2/NDF:8231168.6/52

All: 52.416+/-0.005 χ^2/NDF: 14065387.6/97



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

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

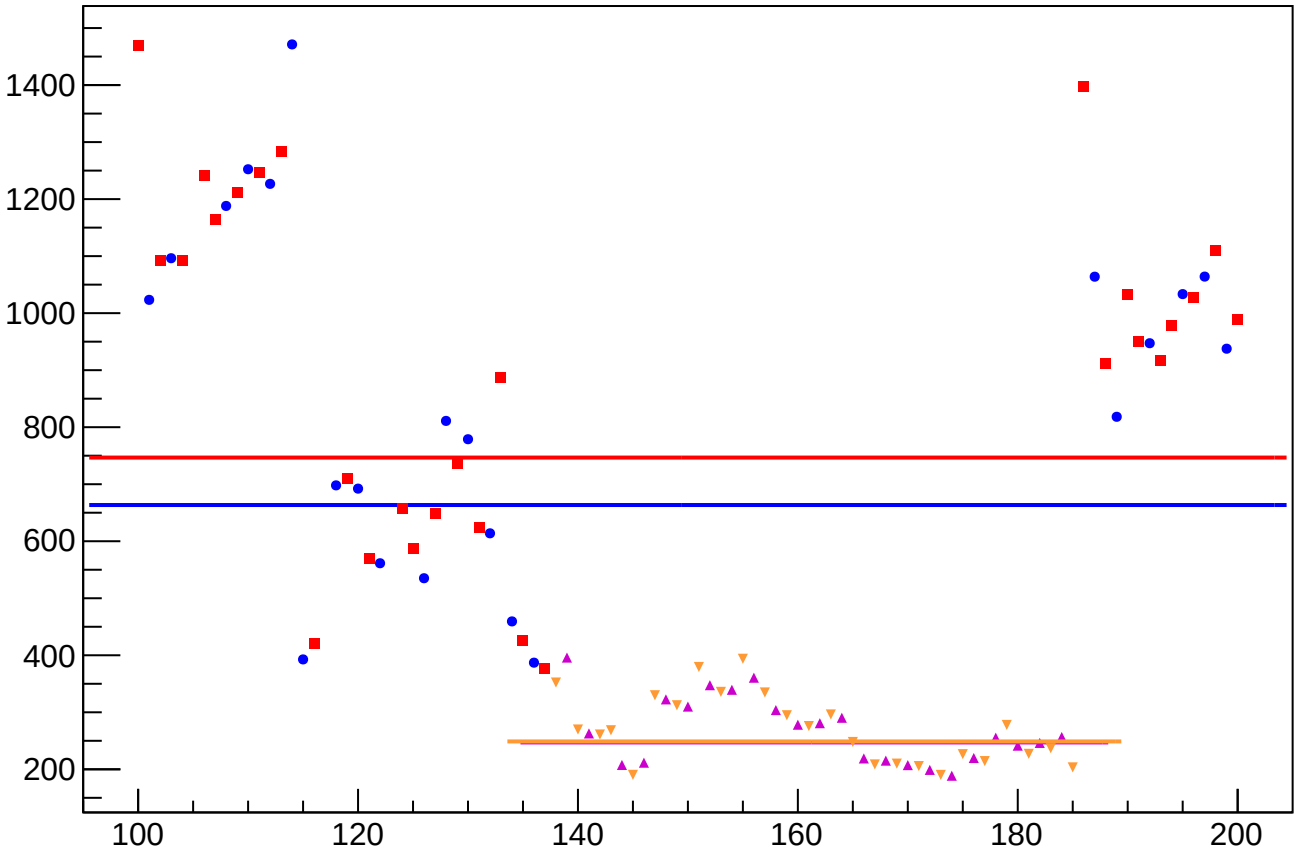
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -73.066+/-151.189 χ^2/NDF: 47.9/49

In: -6.439+/-56.968 χ^2/NDF:53.7/44

Out: -217.985+/-56.052 χ^2/NDF:97.1/52

All: -113.928+/-39.955 χ^2/NDF: 157.8/97



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

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

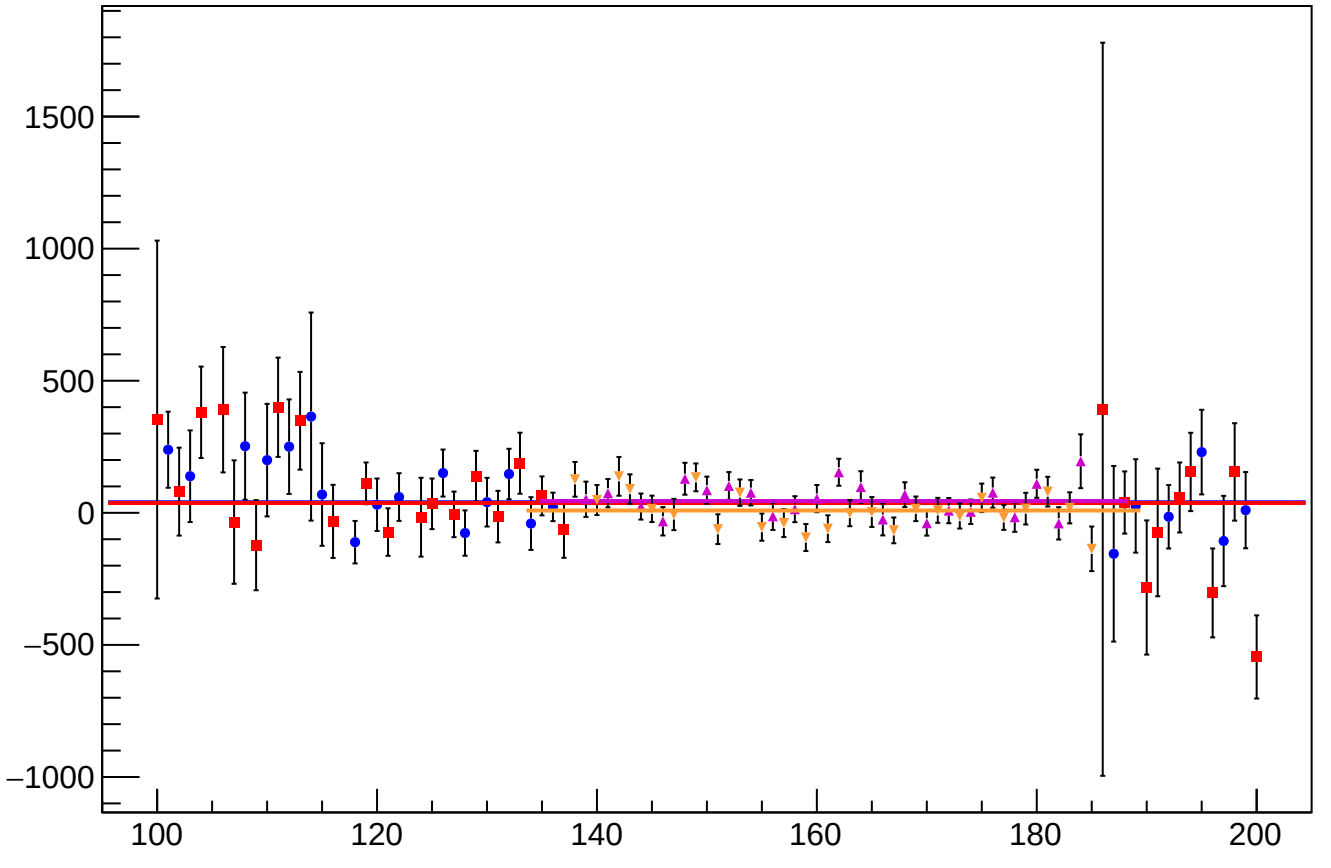
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.111+/-0.107 χ^2/NDF: 6534838.4/49

In: 277.384+/-0.040 χ^2/NDF:11829509.0/44

Out: 282.276+/-0.040 χ^2/NDF:14776865.2/52

All: 279.870+/-0.028 χ^2/NDF: 26613866.3/97



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

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

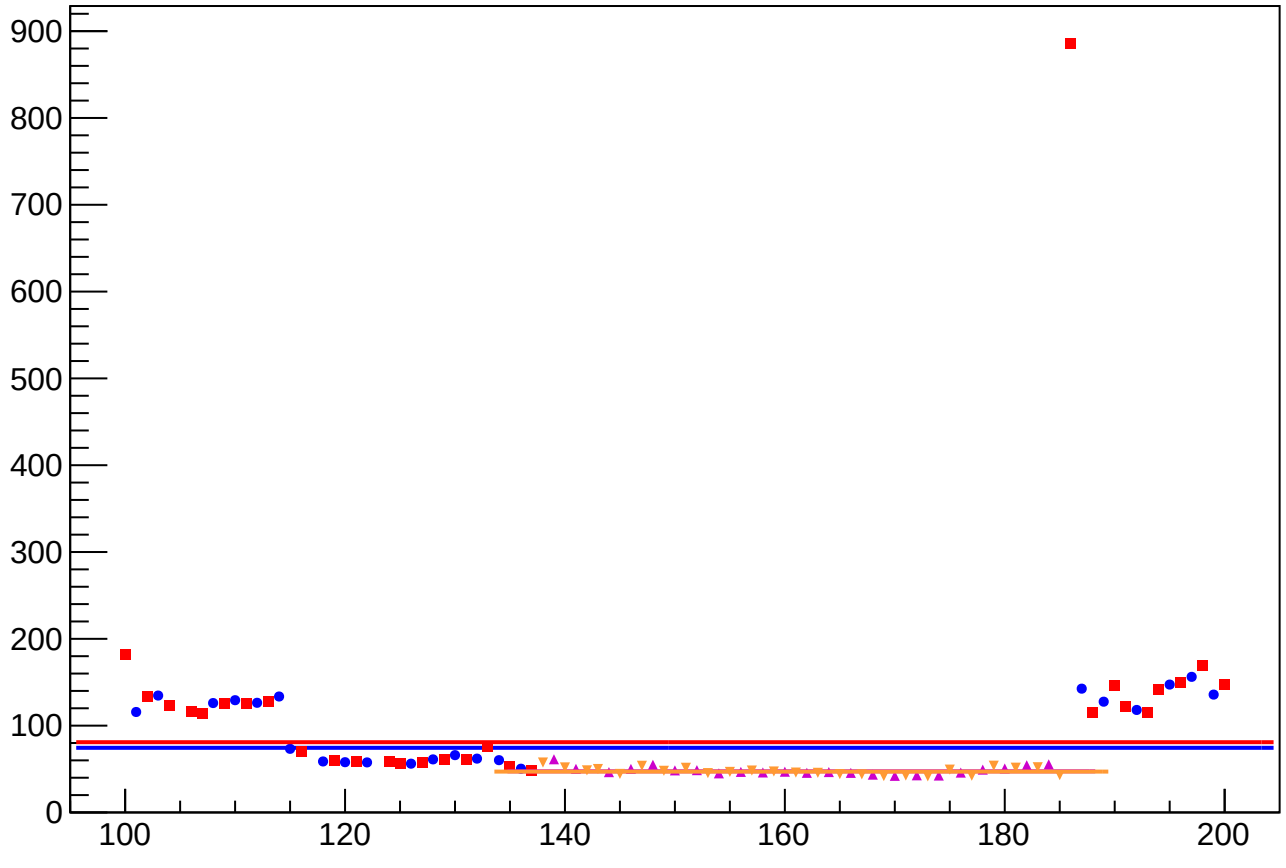
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 38.566+/-17.071 χ^2/NDF: 59.5/49

In: 43.714+/-10.111 χ^2/NDF:44.8/44

Out: 13.434+/-9.845 χ^2/NDF:77.5/52

All: 28.171+/-7.054 χ^2/NDF: 126.9/97



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

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

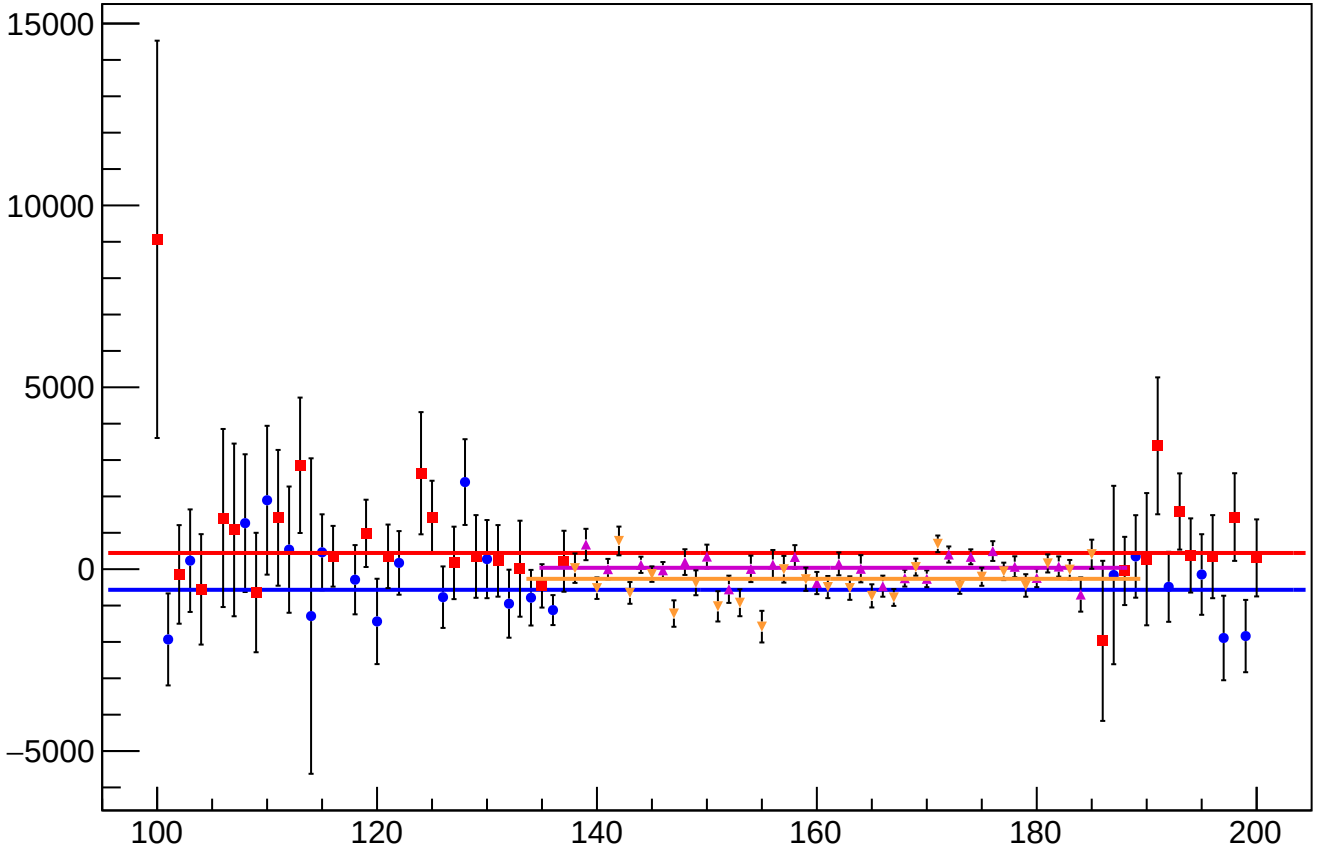
Right: 77.659+/-0.012 χ^2/NDF: 8232022.9/49

In: 52.192+/-0.007 χ^2/NDF:5832306.0/44

Out: 52.628+/-0.007 χ^2/NDF:8231168.6/52

All: 52.416+/-0.005 χ^2/NDF: 14065387.6/97

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

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

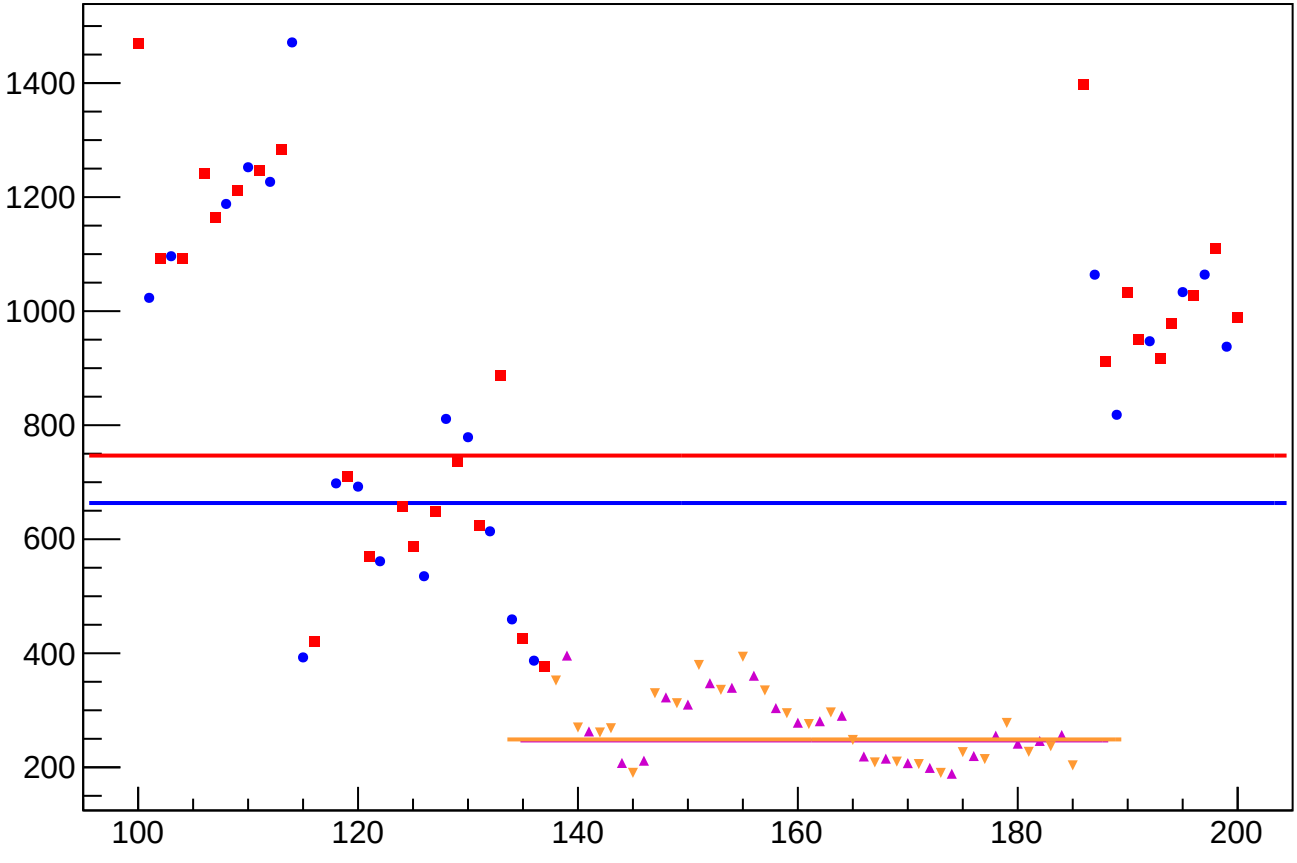
Right: -73.066+/-151.189 χ^2/NDF: 47.9/49

In: -6.439+/-56.968 χ^2/NDF:53.7/44

Out: -217.985+/-56.052 χ^2/NDF:97.1/52

All: -113.928+/-39.955 χ^2/NDF: 157.8/97

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

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

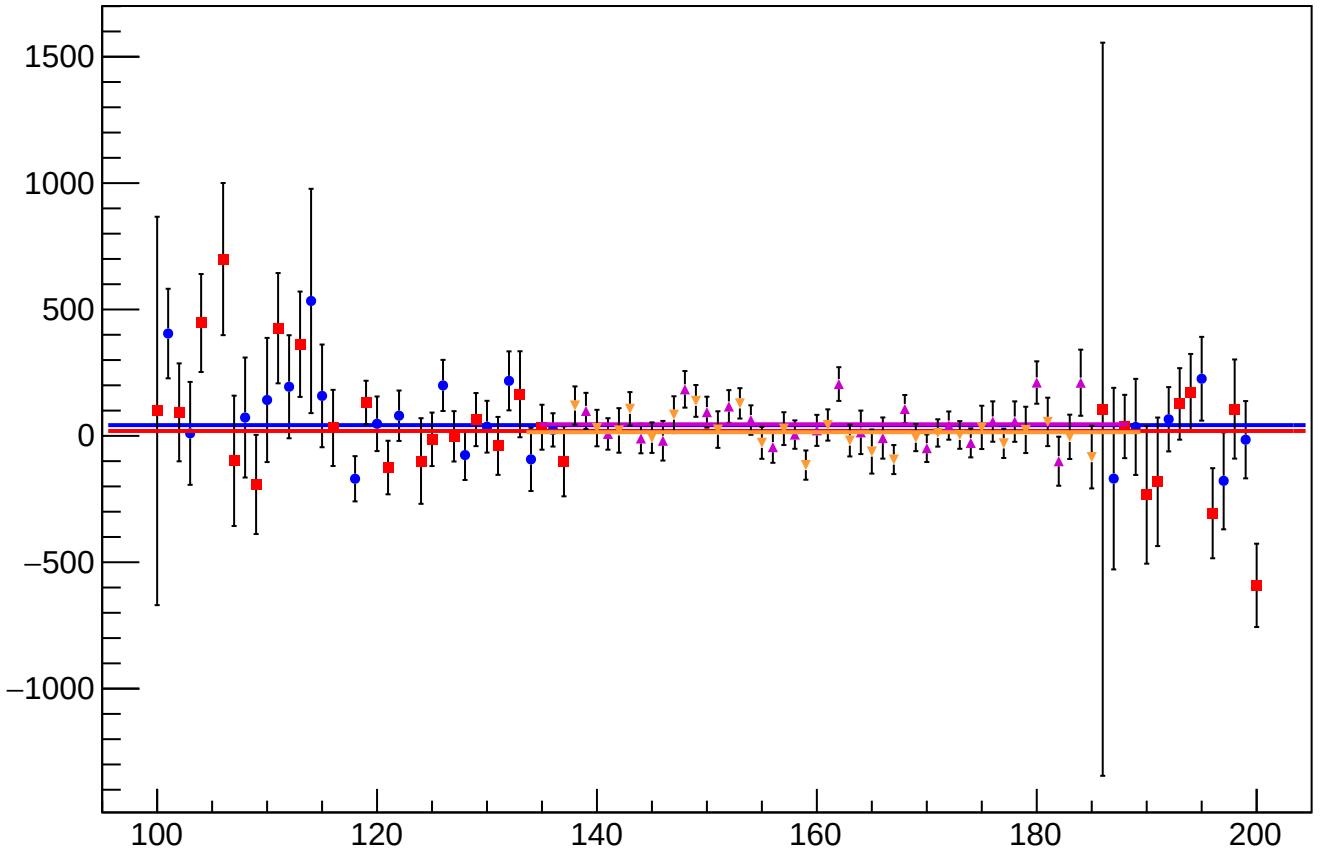
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.111+/-0.107 χ^2/NDF: 6534838.4/49

In: 277.384+/-0.040 χ^2/NDF:11829509.0/44

Out: 282.276+/-0.040 χ^2/NDF:14776865.2/52

All: 279.870+/-0.028 χ^2/NDF: 26613866.3/97



Right In: 42.451+/-27.508 χ^2/NDF: 22.7/21

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

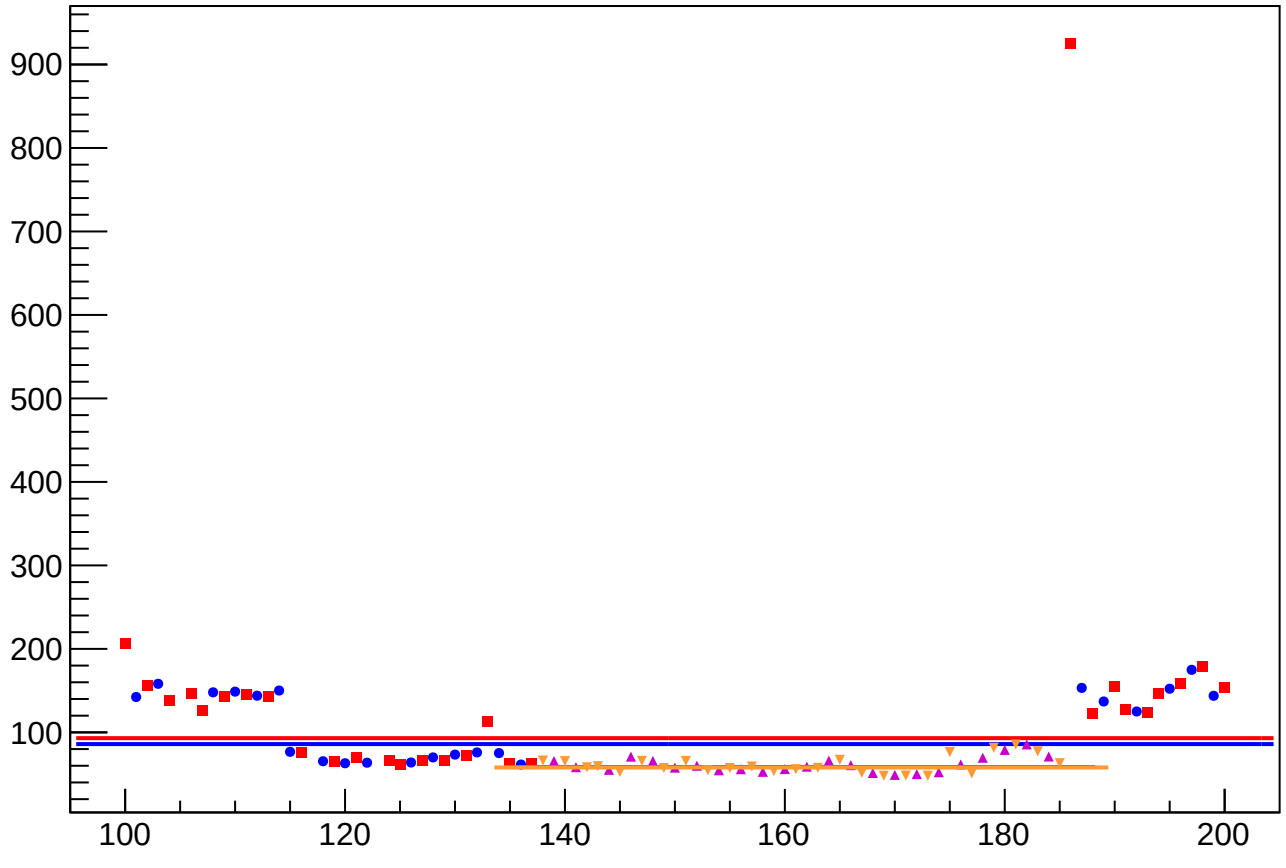
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 31.009+/-19.516 χ^2/NDF: 67.2/49

In: 45.121+/-12.428 χ^2/NDF:53.4/44

Out: 15.437+/-12.102 χ^2/NDF:68.7/52

All: 29.884+/-8.670 χ^2/NDF: 125.1/97



Right In: 85.970+/-0.019 χ^2/NDF: 3148024.0/21

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

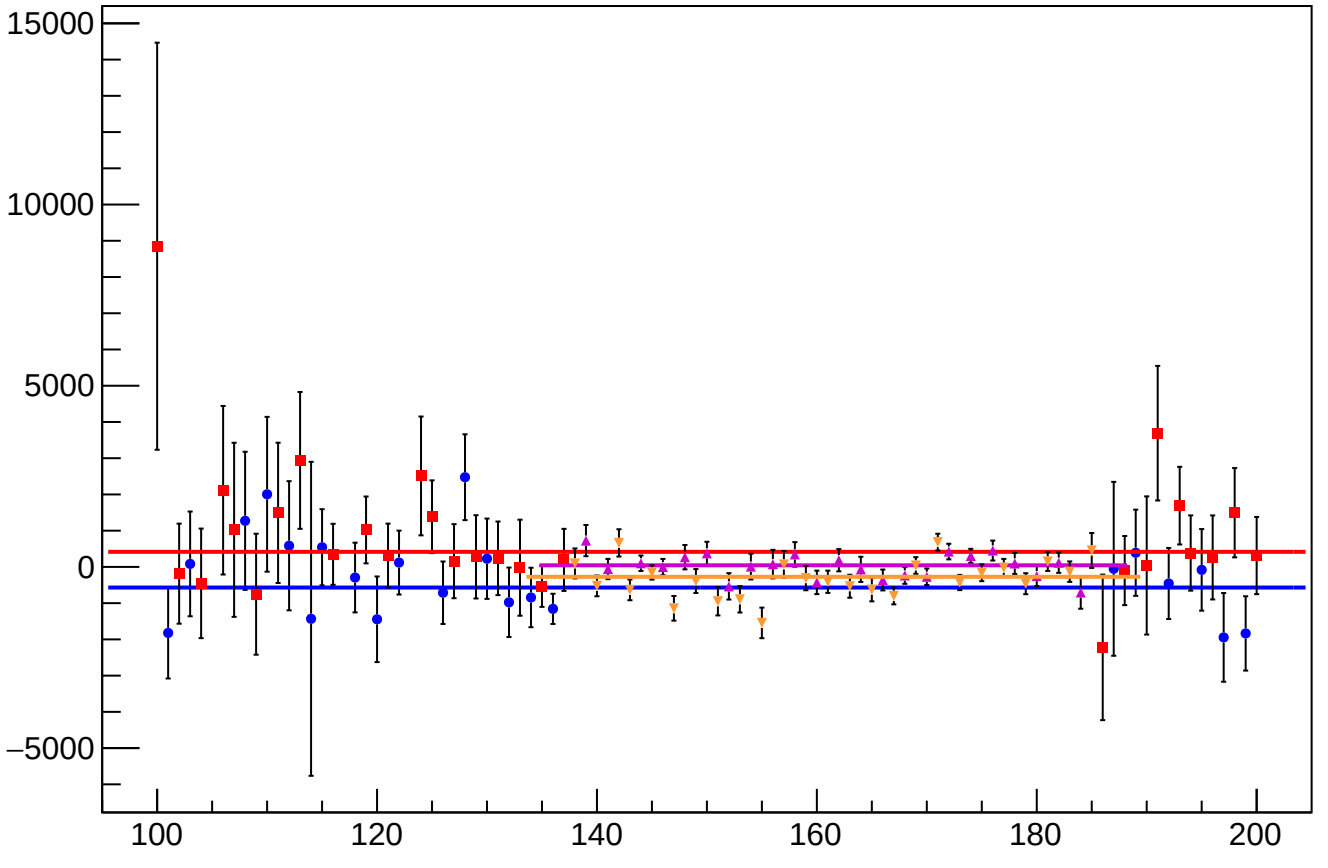
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 89.498+/-0.014 χ^2/NDF: 7445687.2/49

In: 64.091+/-0.009 χ^2/NDF:5387758.6/44

Out: 64.670+/-0.009 χ^2/NDF:7729007.1/52

All: 64.388+/-0.006 χ^2/NDF: 13118991.9/97



Right In: -568.922+/-215.677 χ^2/NDF: 19.5/21

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

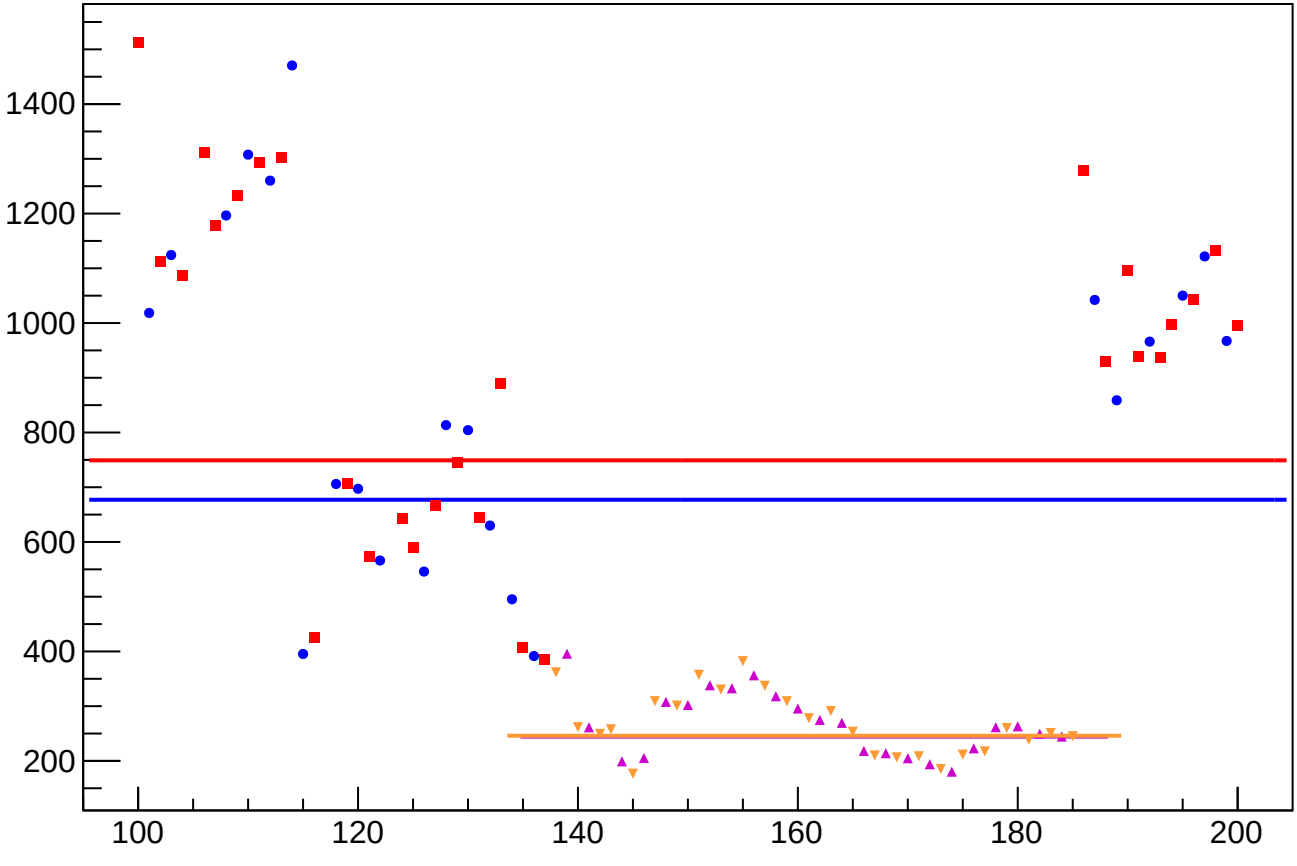
Right: -79.977+/-153.074 χ^2/NDF: 49.3/49

In: 2.359+/-56.563 χ^2/NDF:53.6/44

Out: -227.766+/-55.382 χ^2/NDF:94.5/52

All: -115.129+/-39.572 χ^2/NDF: 156.6/97

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.146+/-0.153 χ^2/NDF: 3172091.4/21

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

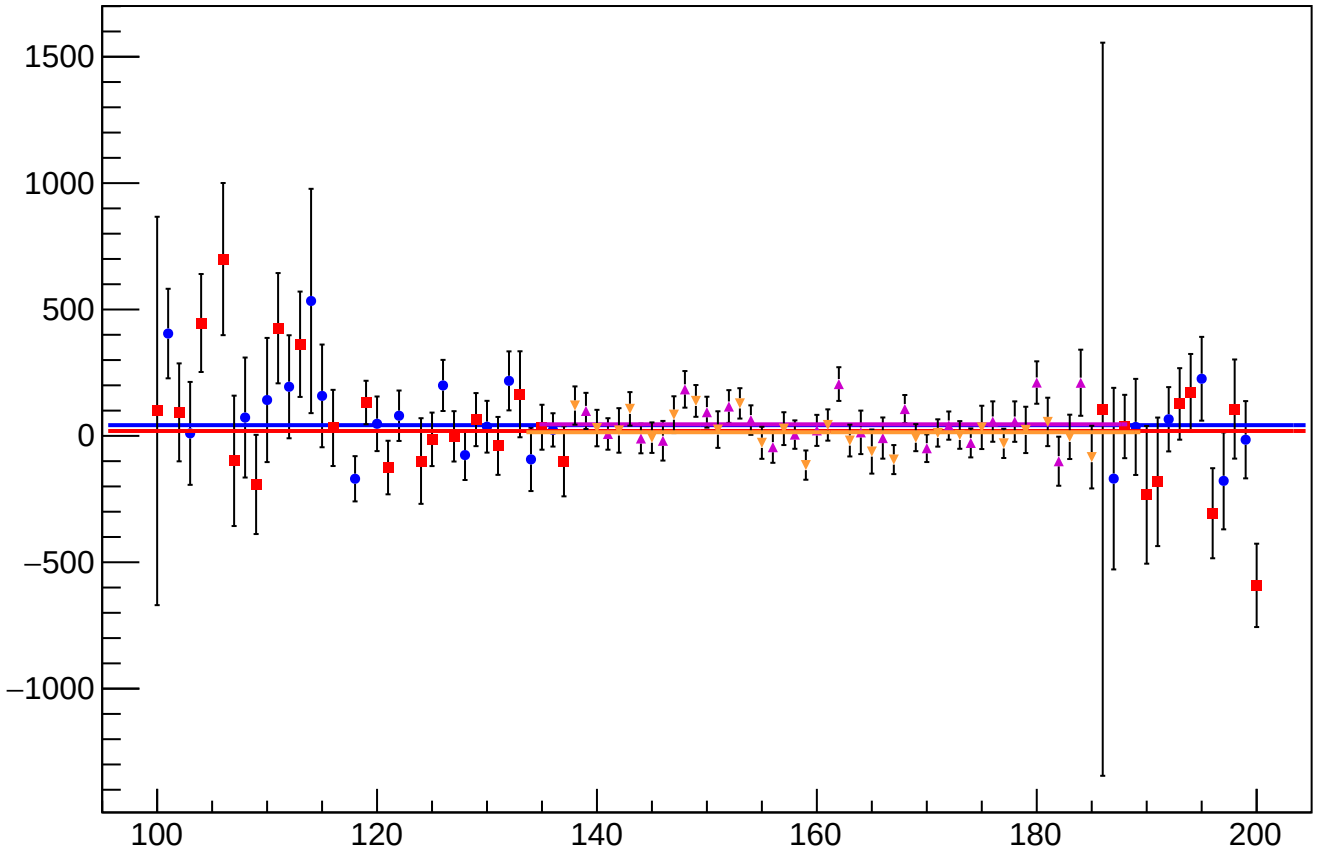
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 712.846+/-0.108 χ^2/NDF: 6712148.4/49

In: 274.210+/-0.040 χ^2/NDF:12265251.4/44

Out: 278.697+/-0.039 χ^2/NDF:15133905.1/52

All: 276.501+/-0.028 χ^2/NDF: 27405582.6/97



Right In: 42.452+/-27.508 χ^2/NDF: 22.7/21

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

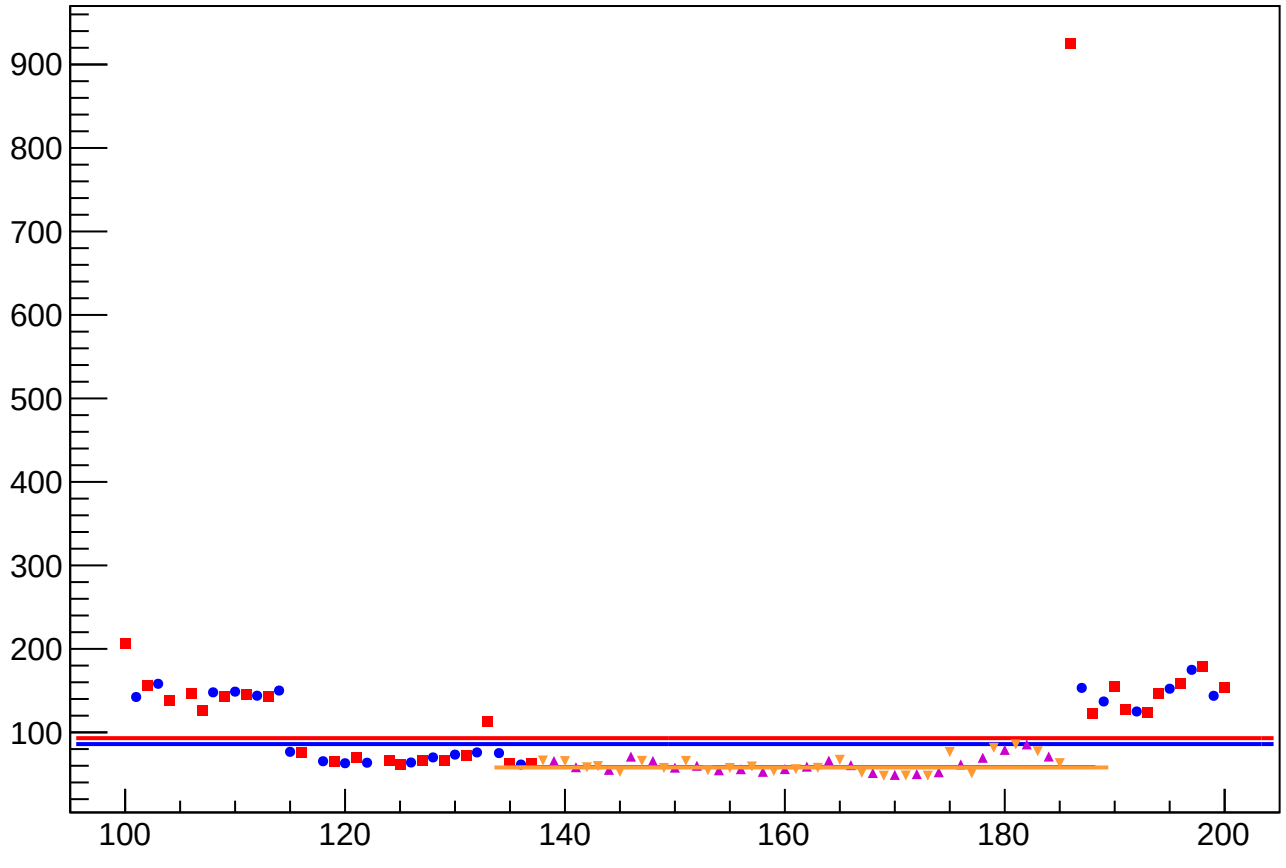
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 31.010+/-19.516 χ^2/NDF: 67.2/49

In: 45.121+/-12.428 χ^2/NDF:53.4/44

Out: 15.436+/-12.102 χ^2/NDF:68.7/52

All: 29.883+/-8.670 χ^2/NDF: 125.1/97



Right In: 85.970+/-0.019 χ^2/NDF: 3148022.4/21

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

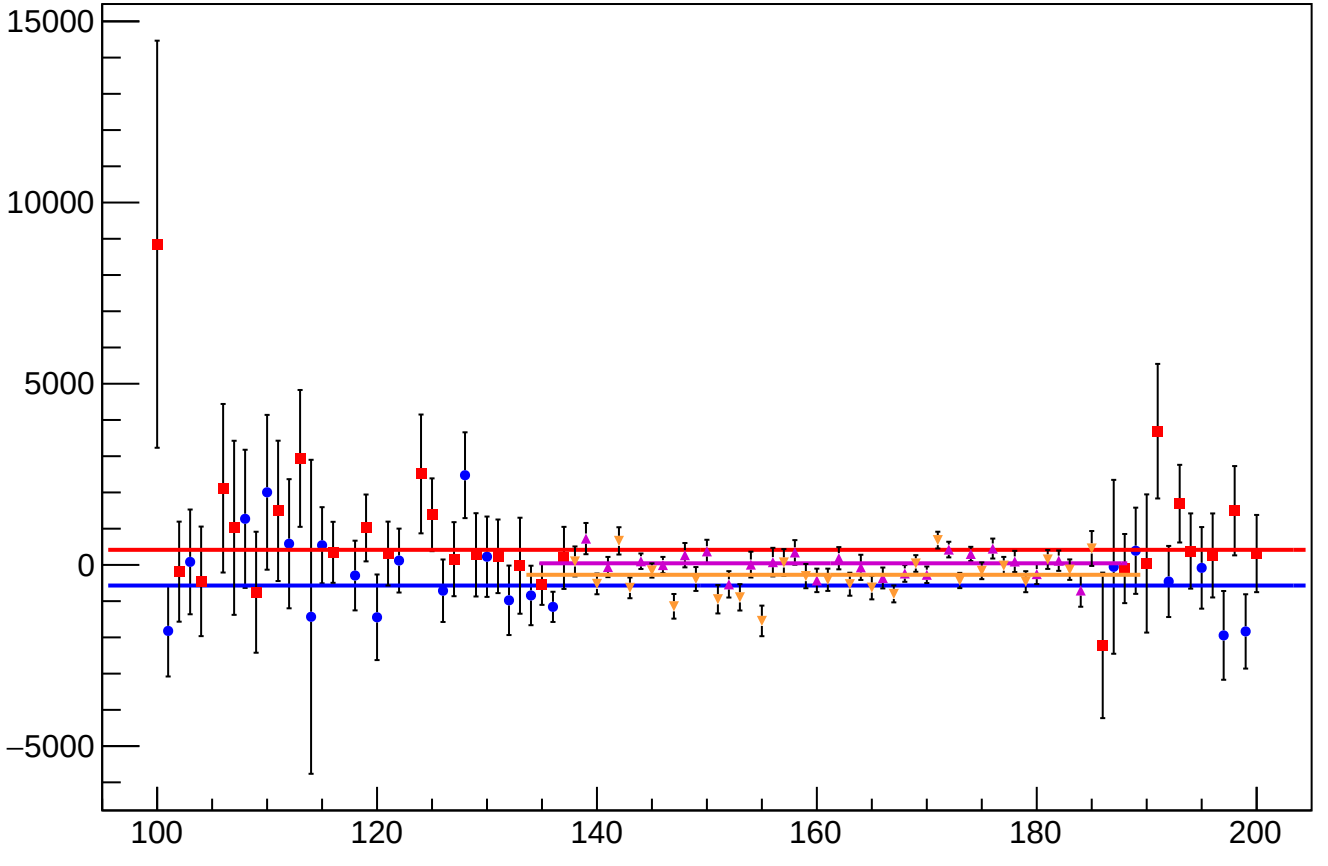
Right: 89.498+/-0.014 χ^2/NDF: 7445695.3/49

In: 64.091+/-0.009 χ^2/NDF:5387697.8/44

Out: 64.670+/-0.009 χ^2/NDF:7728972.4/52

All: 64.388+/-0.006 χ^2/NDF: 13118895.9/97

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -568.920+/-215.677 χ^2/NDF: 19.5/21

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

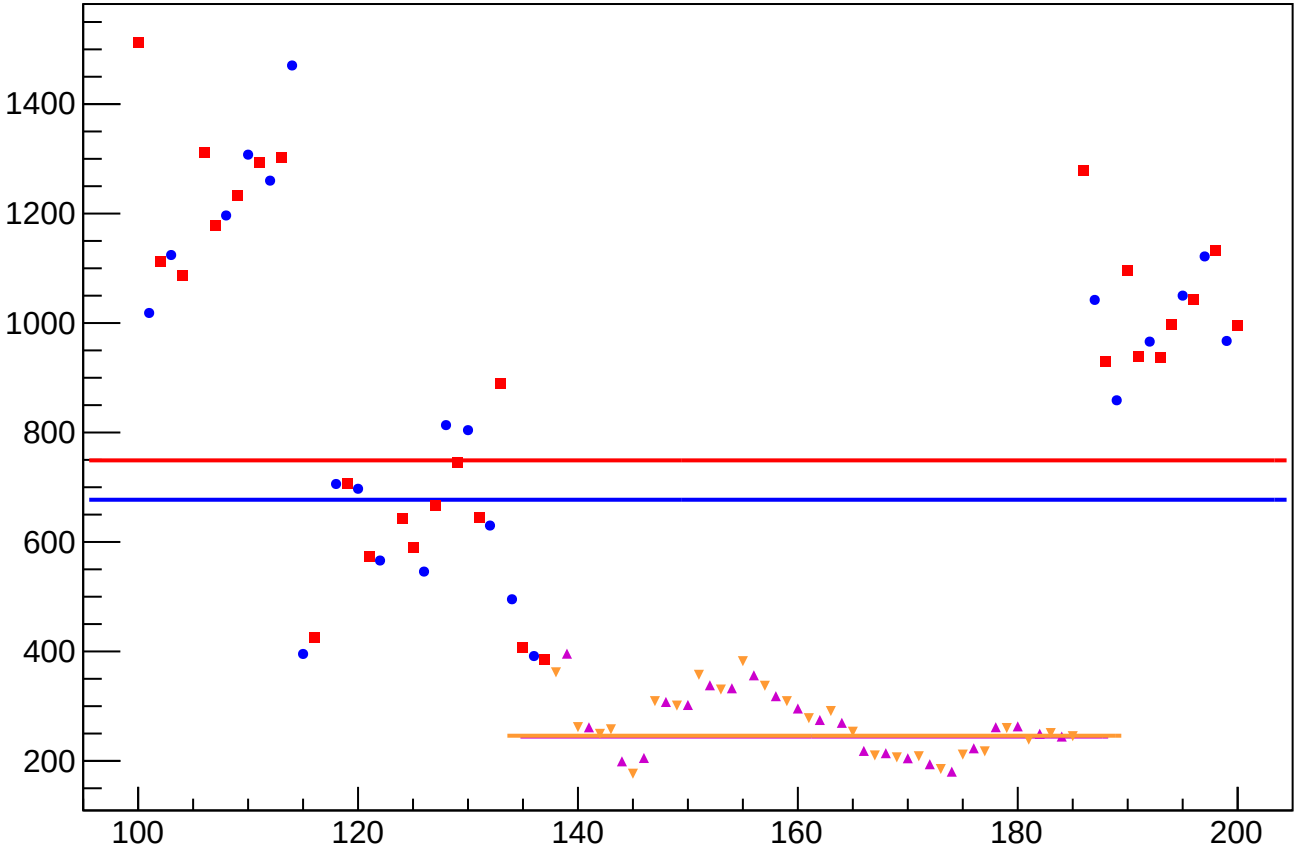
Right: -79.976+/-153.074 χ^2/NDF: 49.3/49

In: 2.359+/-56.563 χ^2/NDF:53.6/44

Out: -227.765+/-55.382 χ^2/NDF:94.5/52

All: -115.129+/-39.572 χ^2/NDF: 156.6/97

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.145+/-0.153 χ^2/NDF: 3172075.2/21

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

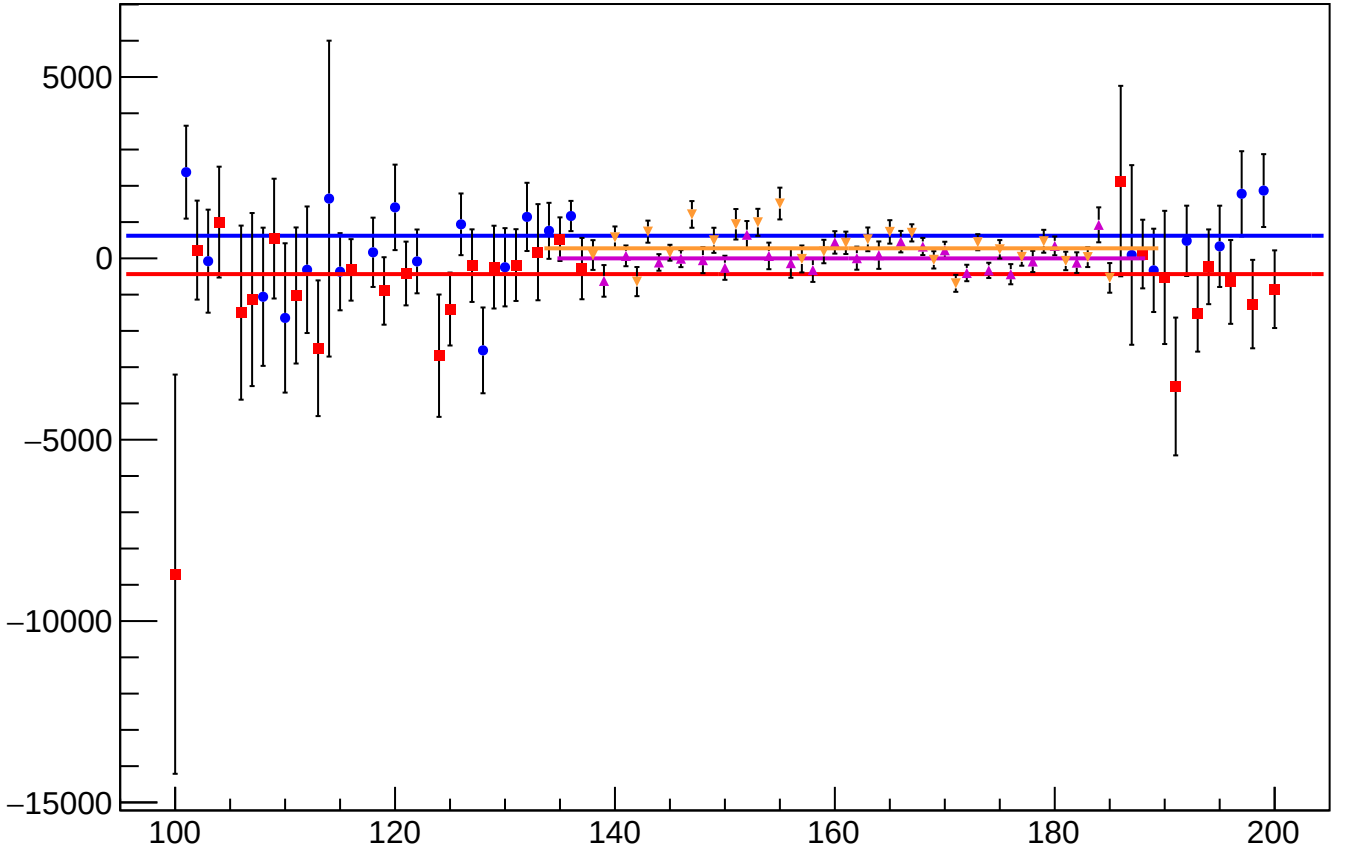
Right: 712.845+/-0.108 χ^2/NDF: 6712115.9/49

In: 274.210+/-0.040 χ^2/NDF:12265231.8/44

Out: 278.697+/-0.039 χ^2/NDF:15133906.5/52

All: 276.501+/-0.028 χ^2/NDF: 27405563.8/97

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 623.593+/-213.129 χ^2/NDF: 19.9/21

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

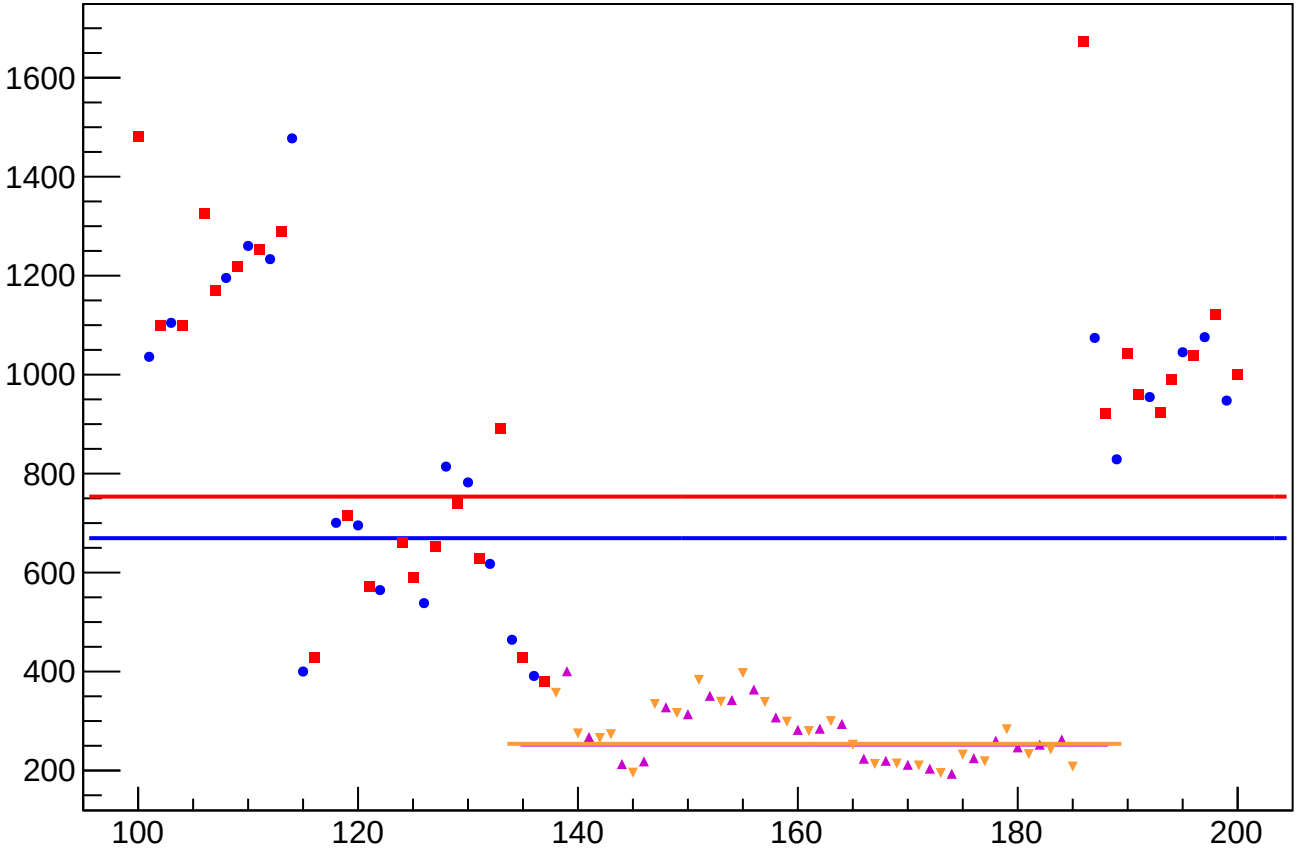
Right: 107.761+/-152.538 χ^2/NDF: 48.9/49

In: 45.783+/-58.072 χ^2/NDF:56.0/44

Out: 228.493+/-57.092 χ^2/NDF:90.9/52

All: 138.693+/-40.712 χ^2/NDF: 151.9/97

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 669.554+/-0.151 χ^2/NDF: 3128526.5/21

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

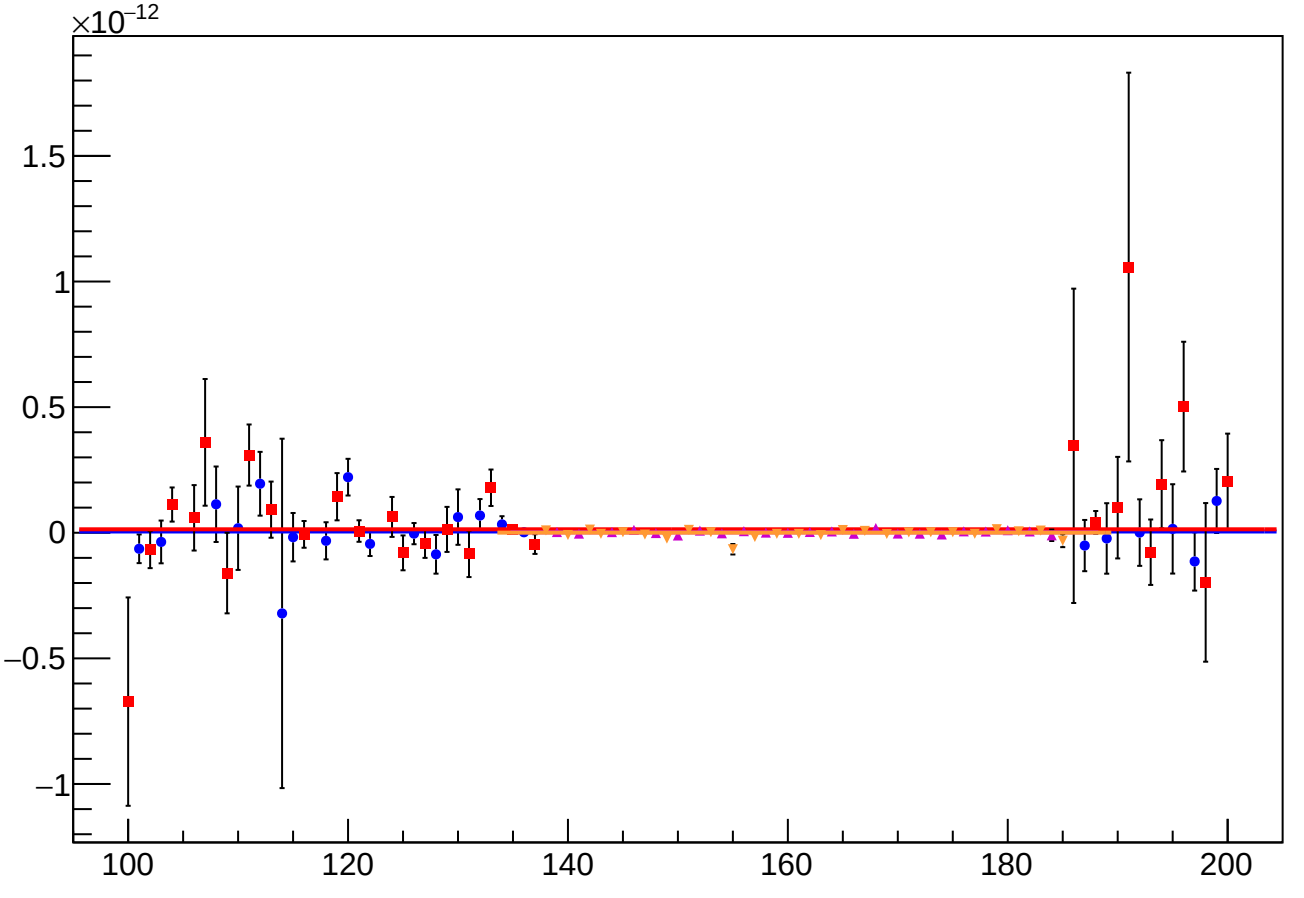
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 710.507+/-0.108 χ^2/NDF: 6625298.9/49

In: 283.361+/-0.041 χ^2/NDF:11634100.6/44

Out: 288.088+/-0.040 χ^2/NDF:14684449.4/52

All: 285.765+/-0.029 χ^2/NDF: 26325288.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/27

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

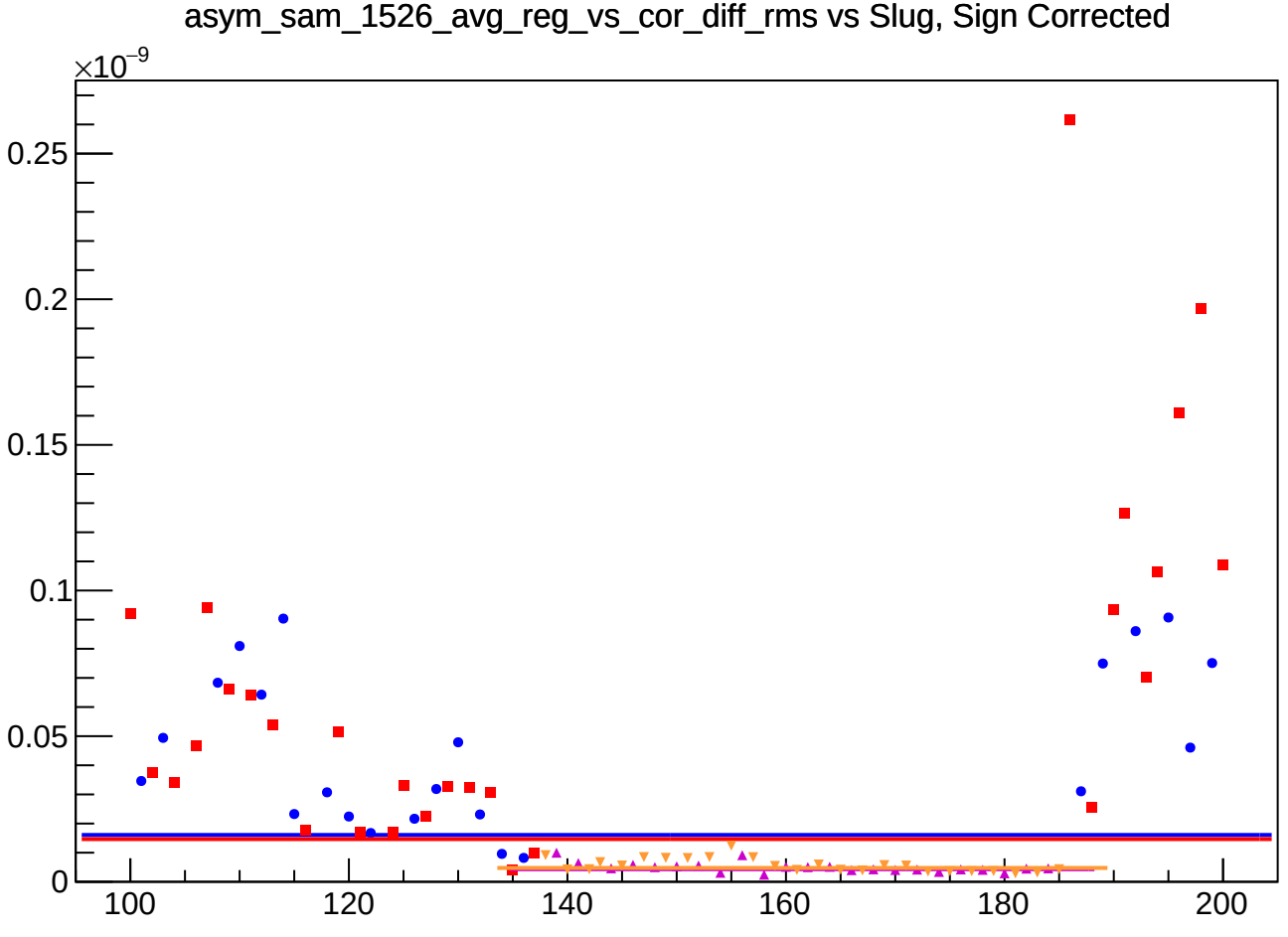
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 59.7/49

In: 0.000+/-0.000 χ^2/NDF:34.6/44

Out: 0.000+/-0.000 χ^2/NDF:67.3/52

All: 0.000+/-0.000 χ^2/NDF: 102.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 4423512.5/21

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

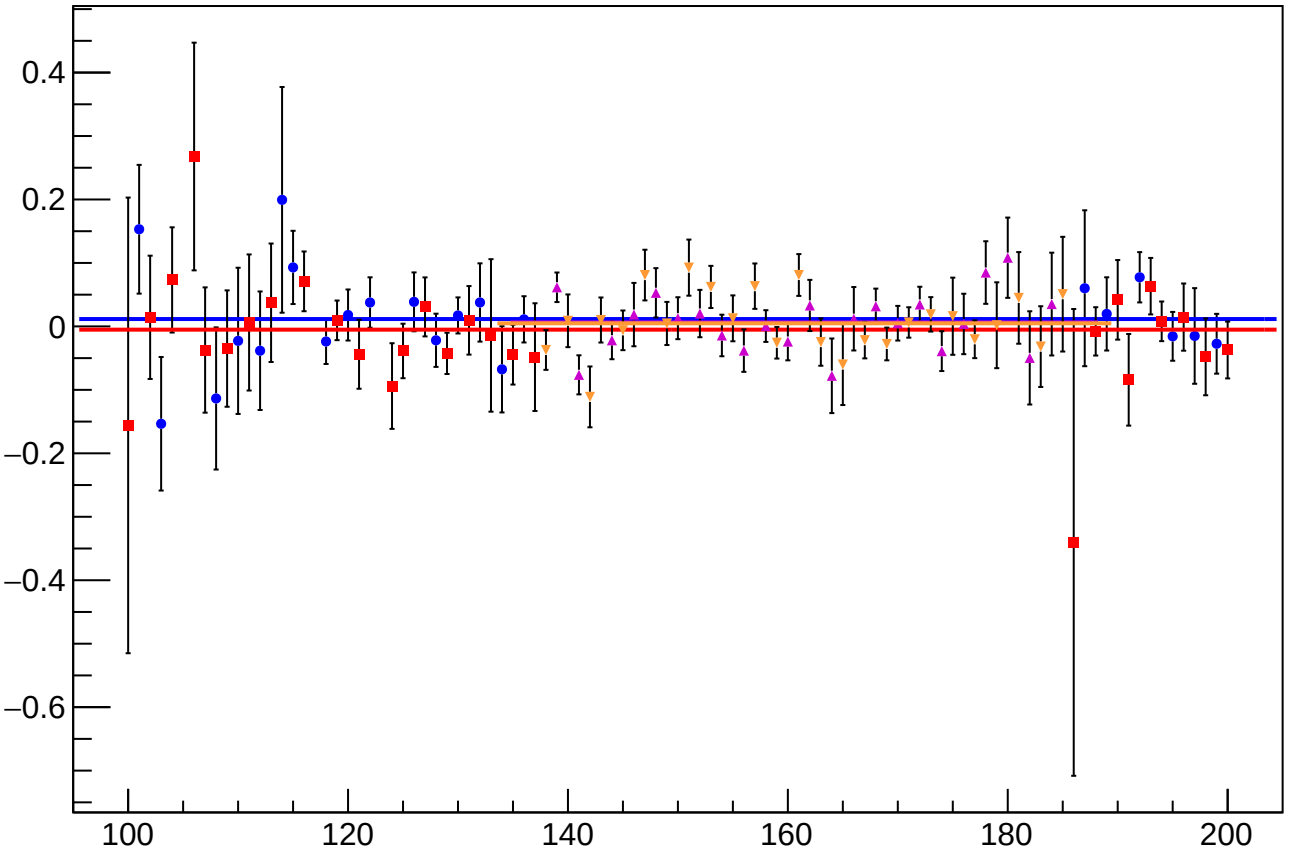
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11490696.2/49

In: 0.000+/-0.000 χ^2/NDF:7927352.7/44

Out: 0.000+/-0.000 χ^2/NDF:10490746.6/52

All: 0.000+/-0.000 χ^2/NDF: 18466052.3/97



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

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

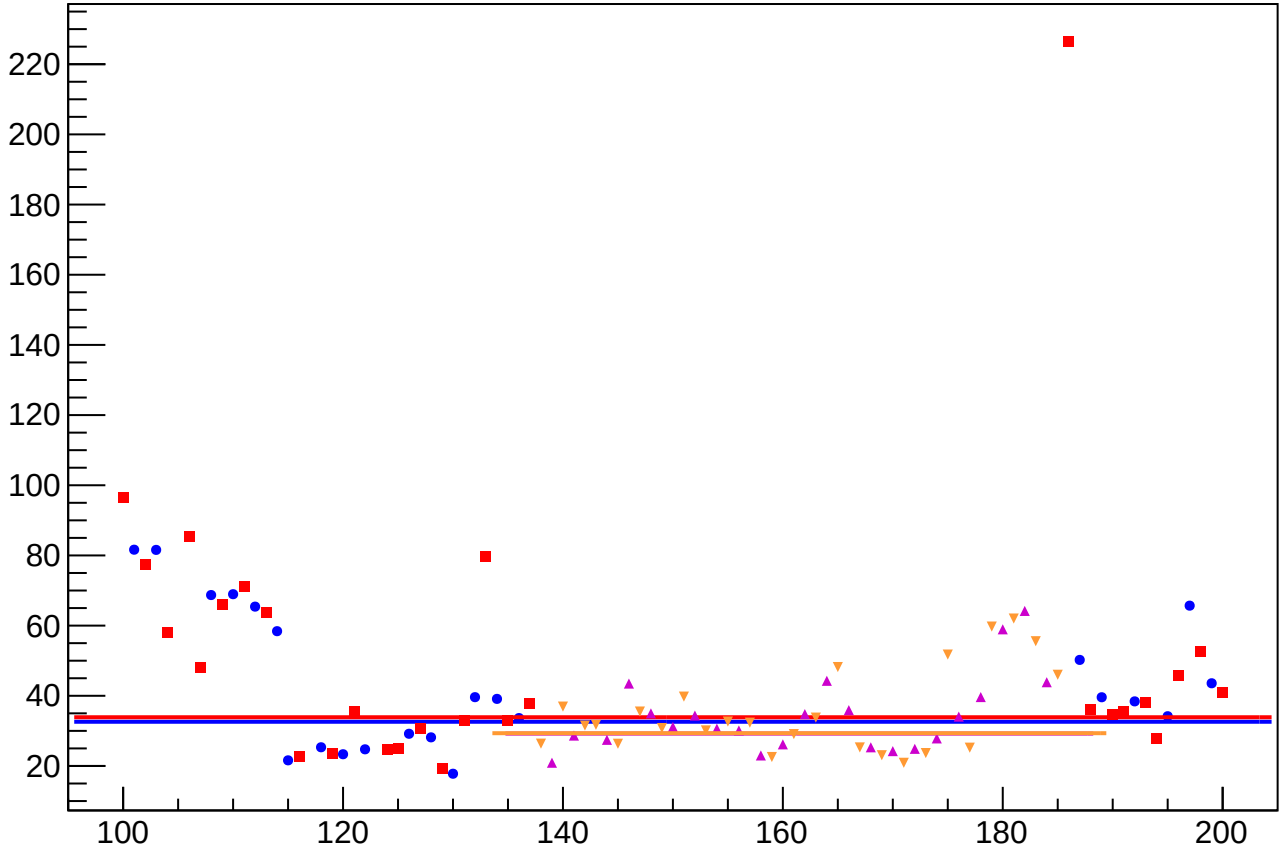
Right: 0.003+/-0.007 χ^2/NDF: 37.5/49

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:53.4/52

All: 0.005+/-0.004 χ^2/NDF: 102.5/97

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

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

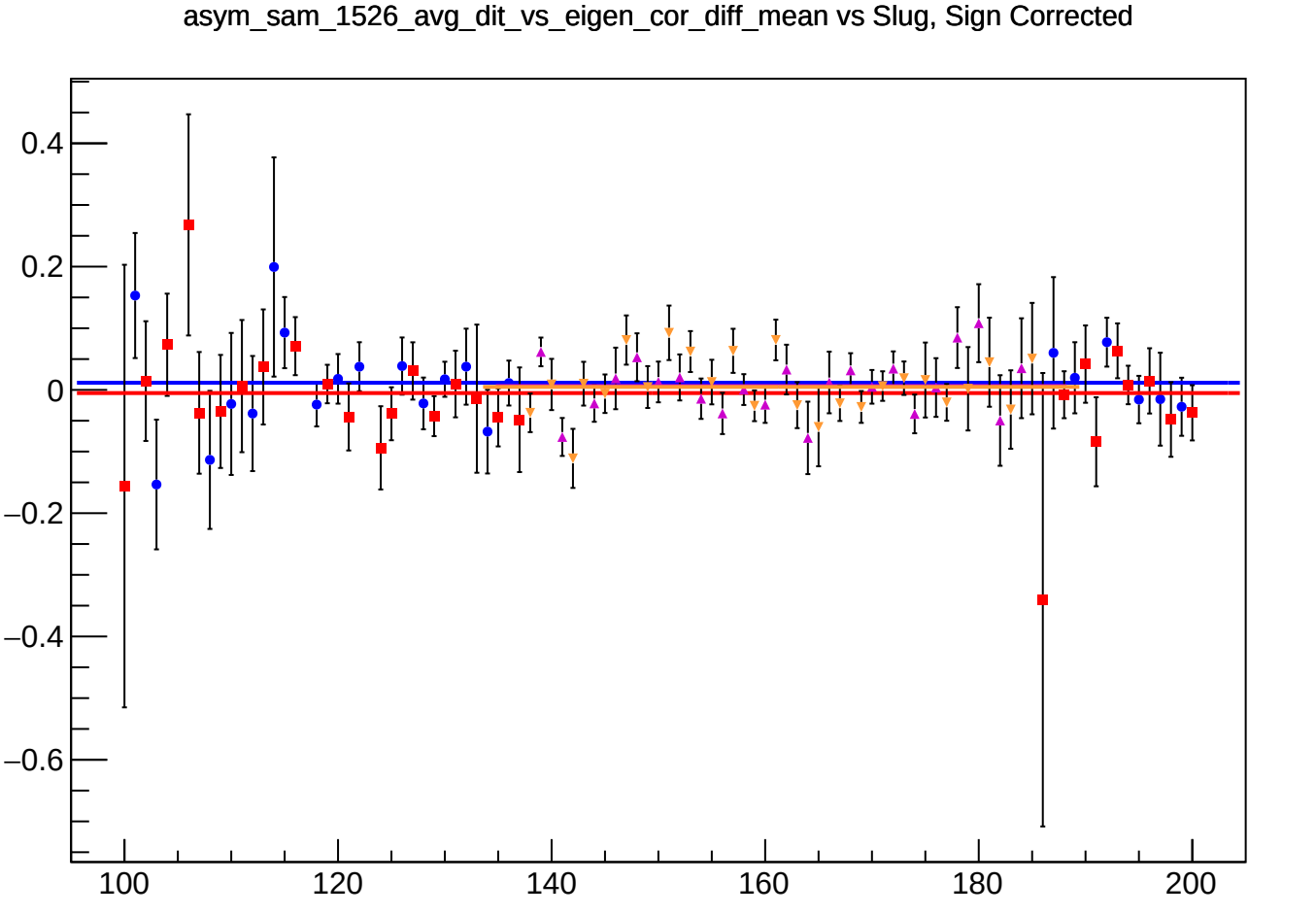
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.271+/-0.005 χ^2/NDF: 6883930.3/49

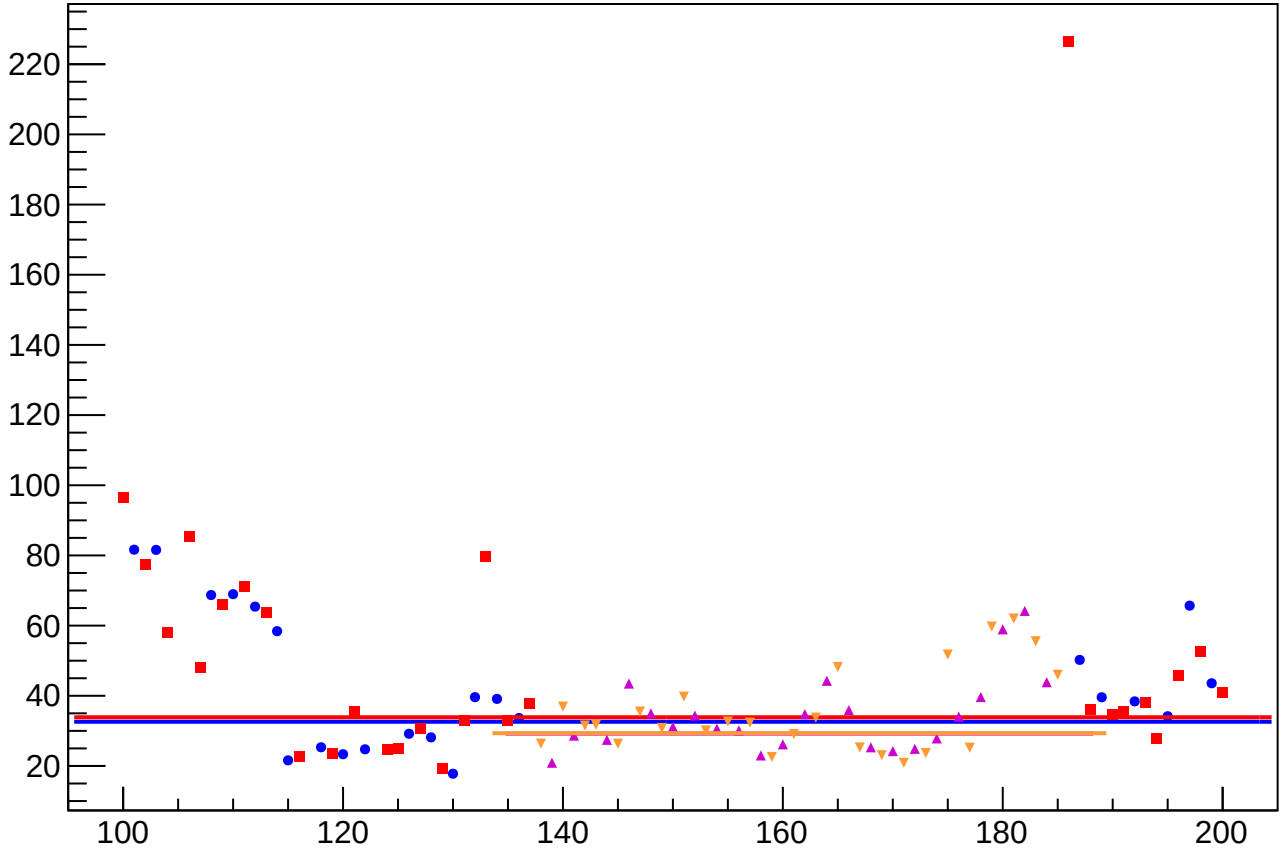
In: 30.282+/-0.004 χ^2/NDF:5403520.2/44

Out: 30.812+/-0.004 χ^2/NDF:6650781.7/52

All: 30.555+/-0.003 χ^2/NDF: 12062263.6/97


asym_sam_1526_avg_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: 0.012+/-0.011 χ²/NDF: 17.4/21
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: 0.003+/-0.007 χ²/NDF: 37.5/49
In: 0.008+/-0.006 χ²/NDF:48.5/44
Out: 0.002+/-0.006 χ²/NDF:53.4/52
All: 0.005+/-0.004 χ²/NDF: 102.5/97

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

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

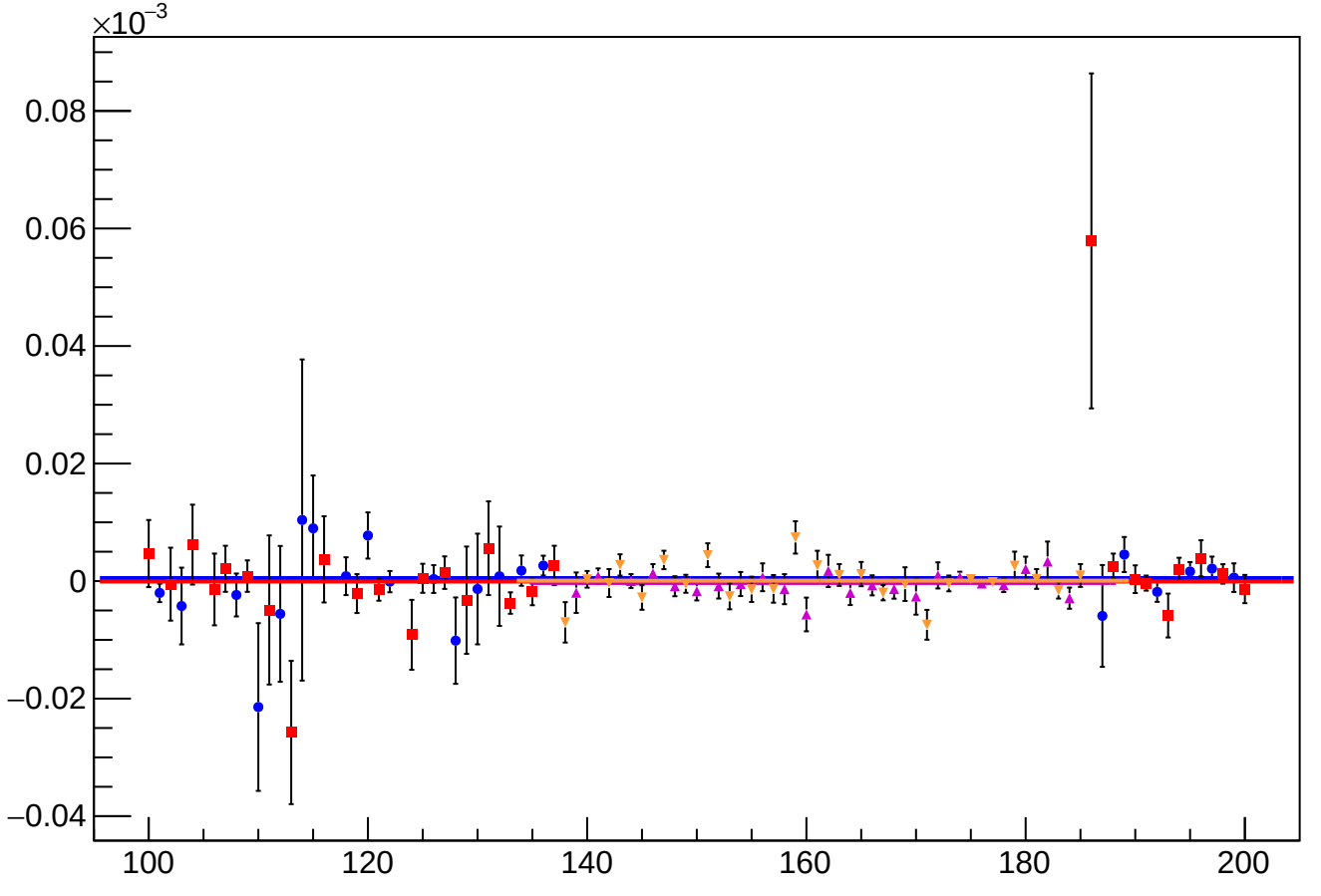
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.271+/-0.005 χ^2/NDF: 6883930.3/49

In: 30.282+/-0.004 χ^2/NDF:5403520.2/44

Out: 30.812+/-0.004 χ^2/NDF:6650781.7/52

All: 30.555+/-0.003 χ^2/NDF: 12062263.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/21

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

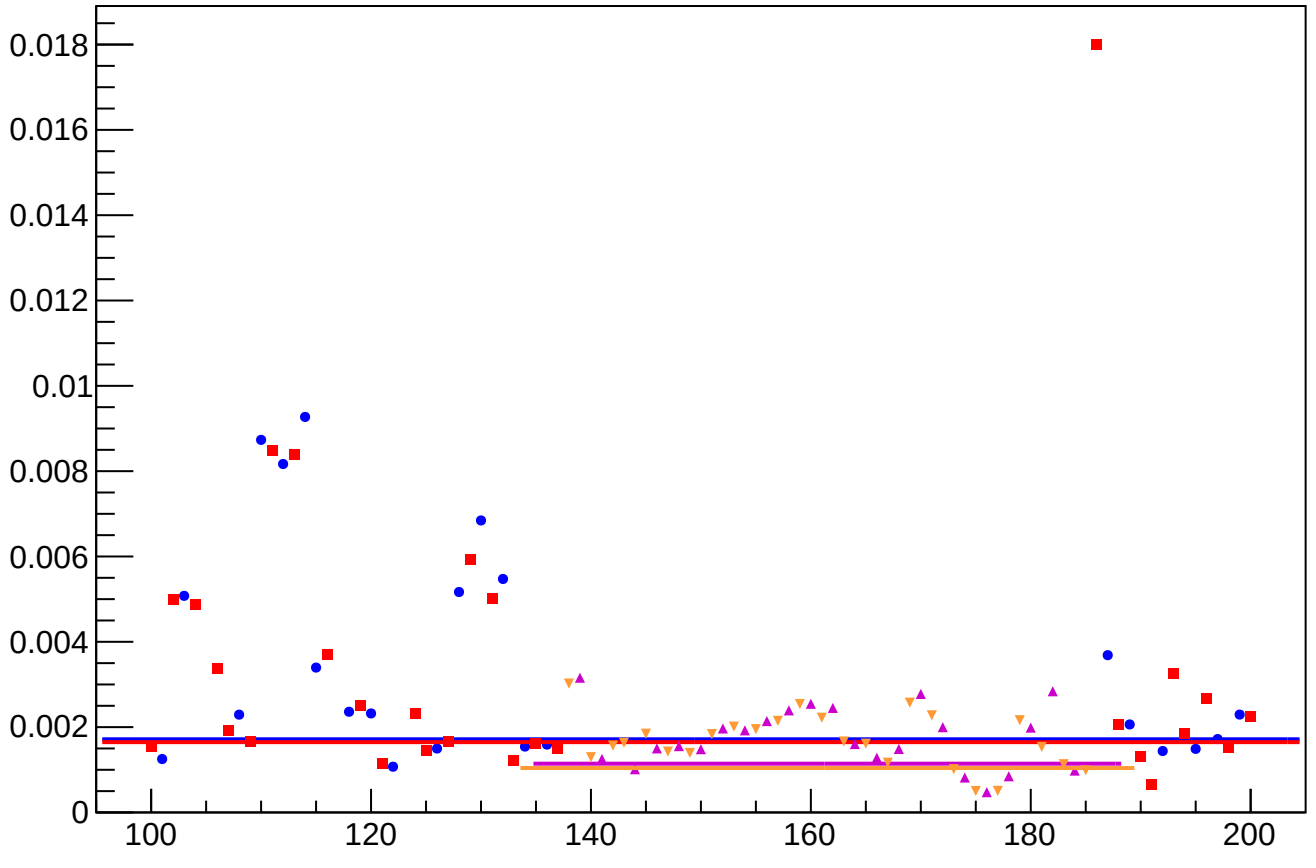
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 49.1/49

In: -0.000+/-0.000 χ^2/NDF:37.3/44

Out: 0.000+/-0.000 χ^2/NDF:72.0/52

All: -0.000+/-0.000 χ^2/NDF: 109.6/97



Right In: 0.002+/-0.000 χ^2/NDF: 4268799.2/21

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

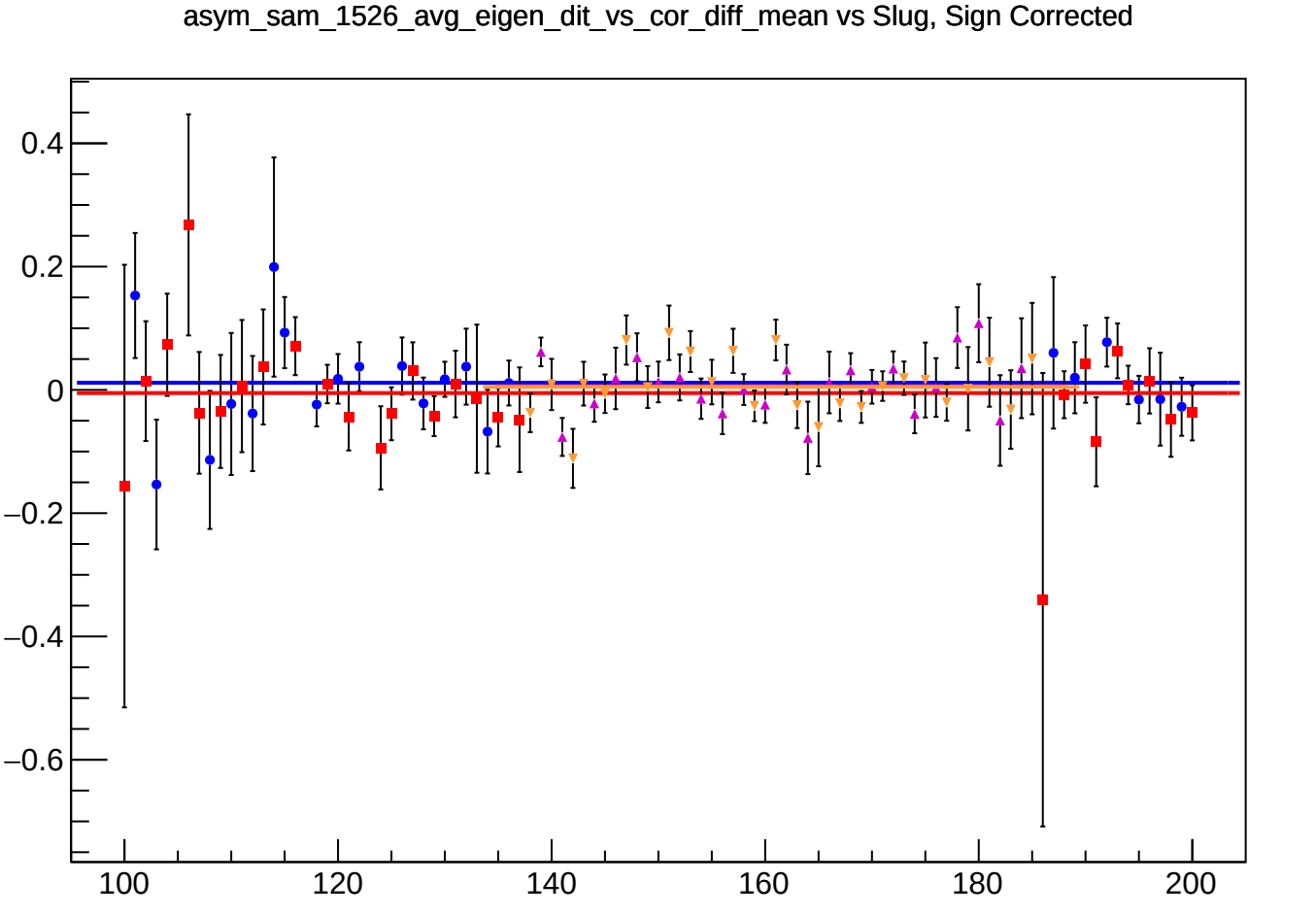
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10824871.1/49

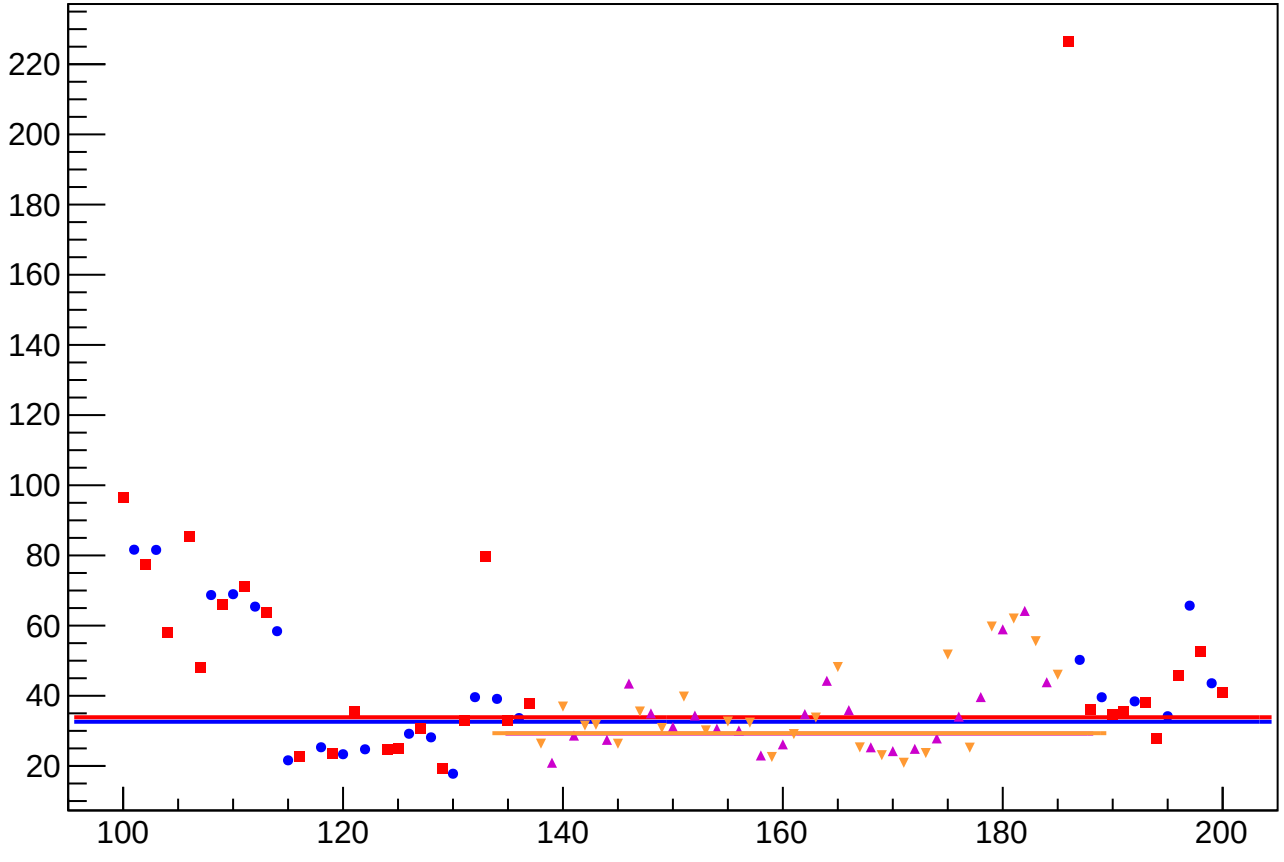
In: 0.001+/-0.000 χ^2/NDF:14080331.0/44

Out: 0.001+/-0.000 χ^2/NDF:18462925.6/52

All: 0.001+/-0.000 χ^2/NDF: 32679628.4/97


asym_sam_1526_avg_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: 0.012+/-0.011 χ²/NDF: 17.4/21
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: 0.003+/-0.007 χ²/NDF: 37.5/49
In: 0.008+/-0.006 χ²/NDF:48.5/44
Out: 0.002+/-0.006 χ²/NDF:53.4/52
All: 0.005+/-0.004 χ²/NDF: 102.5/97

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

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

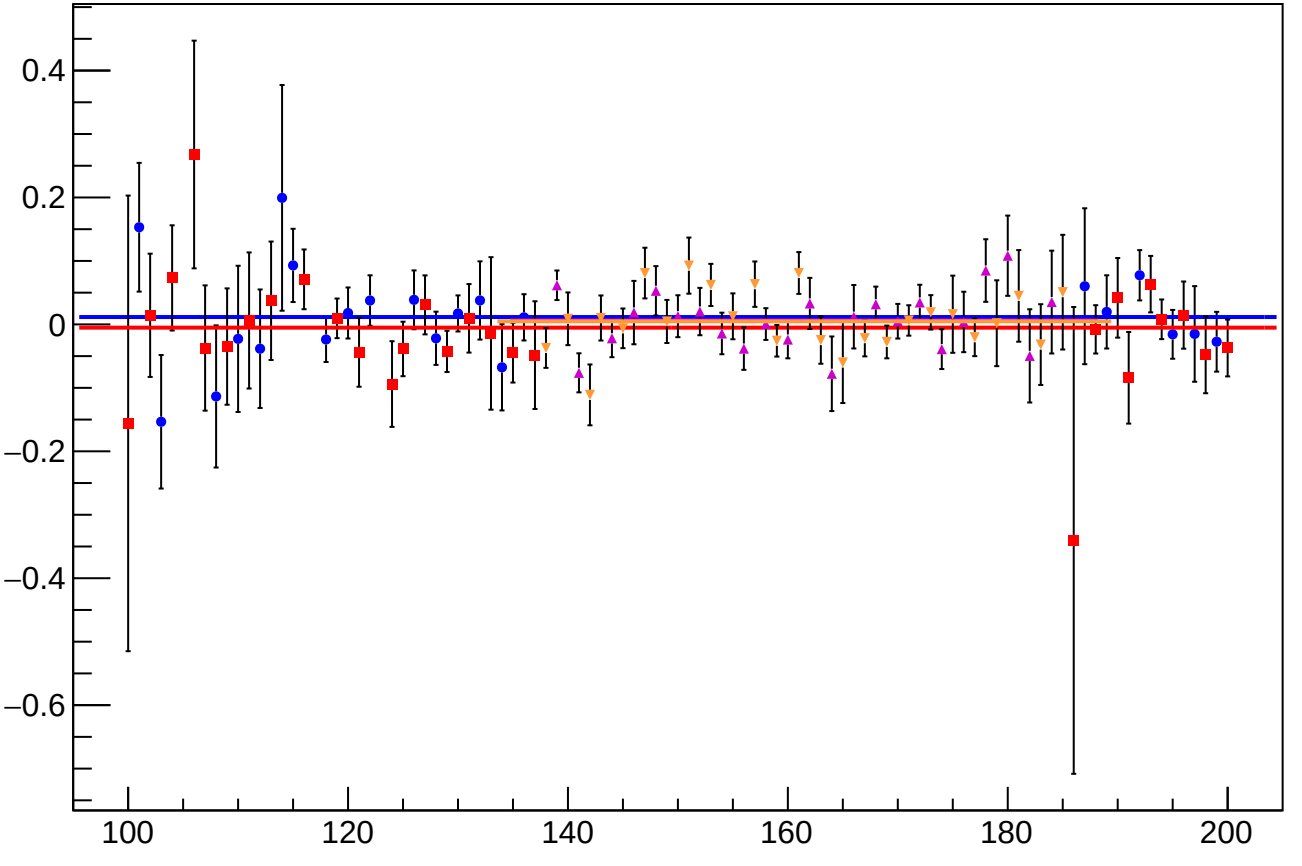
Right: 33.270+/-0.005 χ^2/NDF: 6884457.3/49

In: 30.282+/-0.004 χ^2/NDF:5403670.1/44

Out: 30.811+/-0.004 χ^2/NDF:6650933.8/52

All: 30.555+/-0.003 χ^2/NDF: 12062563.2/97

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

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

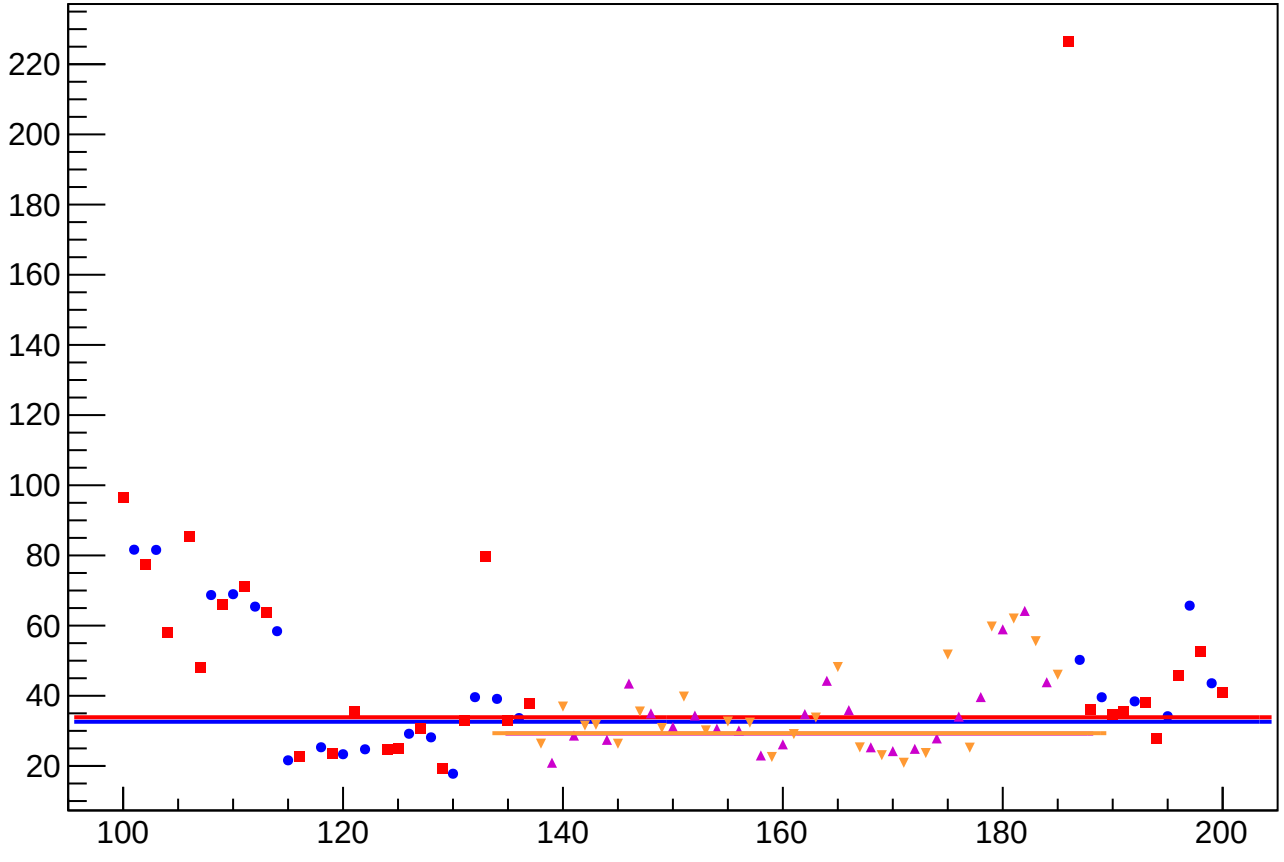
Right: 0.003+/-0.007 χ^2/NDF: 37.5/49

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:53.4/52

All: 0.005+/-0.004 χ^2/NDF: 102.5/97

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

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

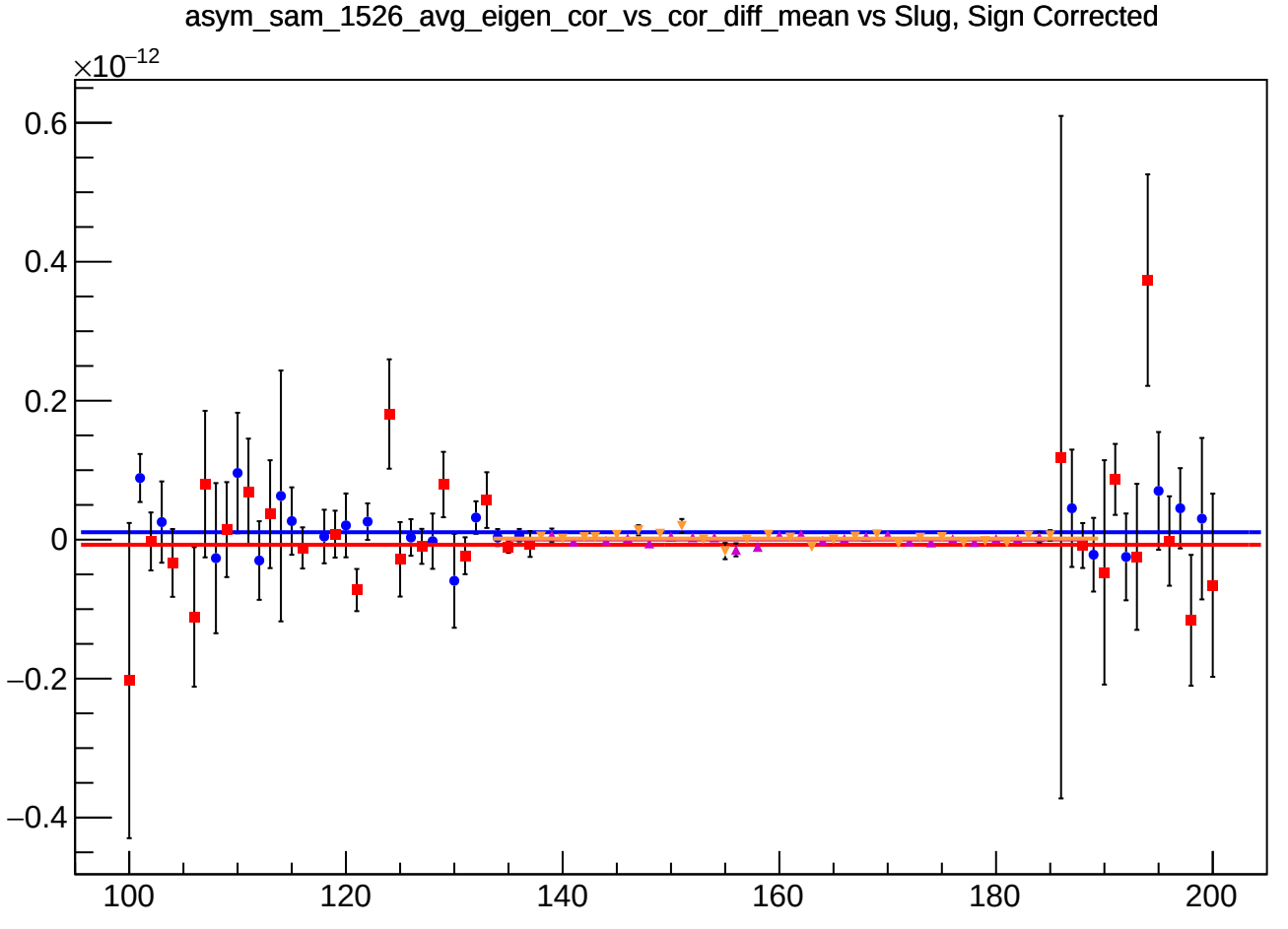
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.270+/-0.005 χ^2/NDF: 6884457.3/49

In: 30.282+/-0.004 χ^2/NDF:5403670.1/44

Out: 30.811+/-0.004 χ^2/NDF:6650933.8/52

All: 30.555+/-0.003 χ^2/NDF: 12062563.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/21

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

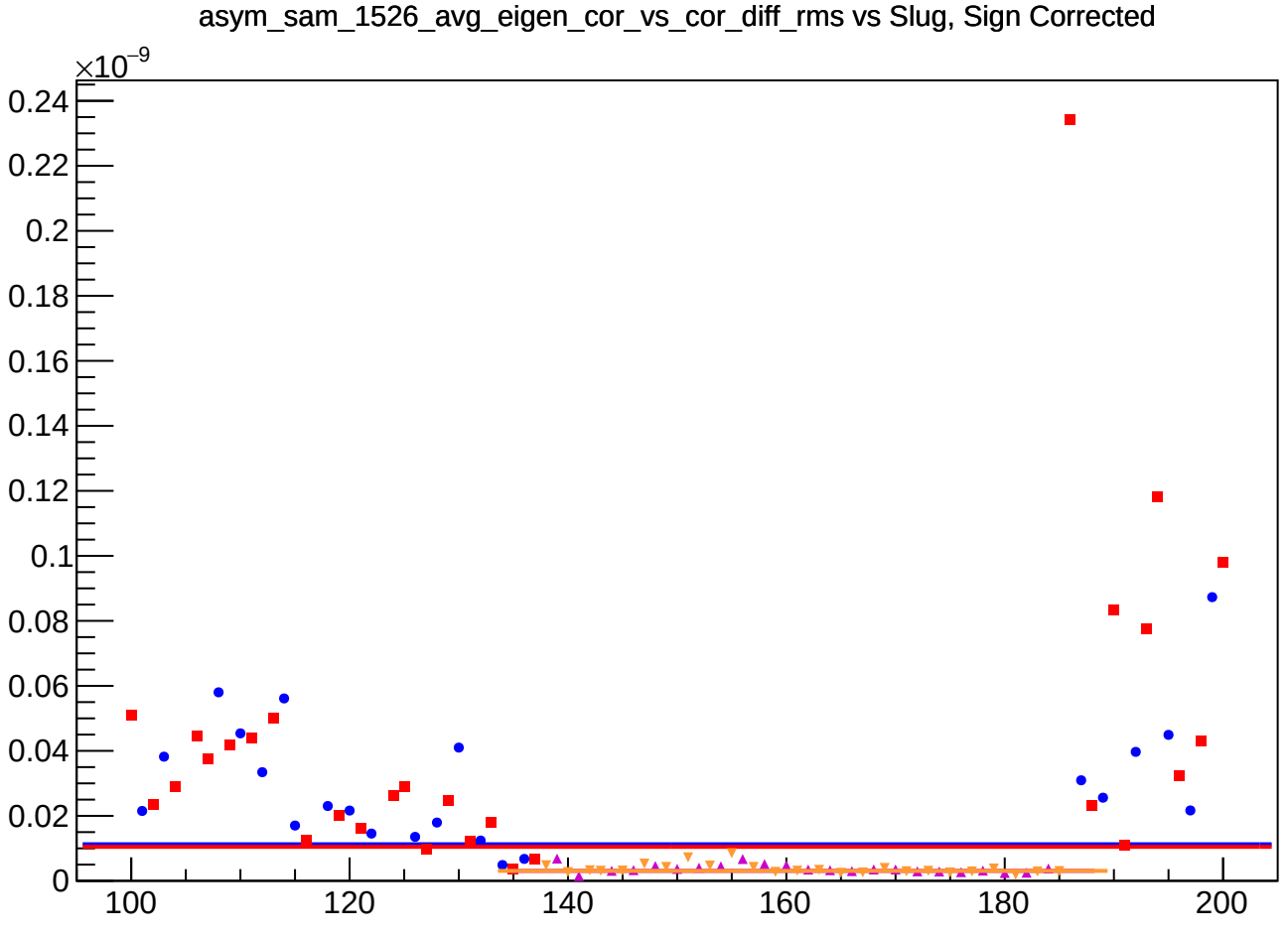
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 49.4/49

In: 0.000+/-0.000 χ^2/NDF:33.5/44

Out: 0.000+/-0.000 χ^2/NDF:70.1/52

All: 0.000+/-0.000 χ^2/NDF: 104.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 5475851.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8925328.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

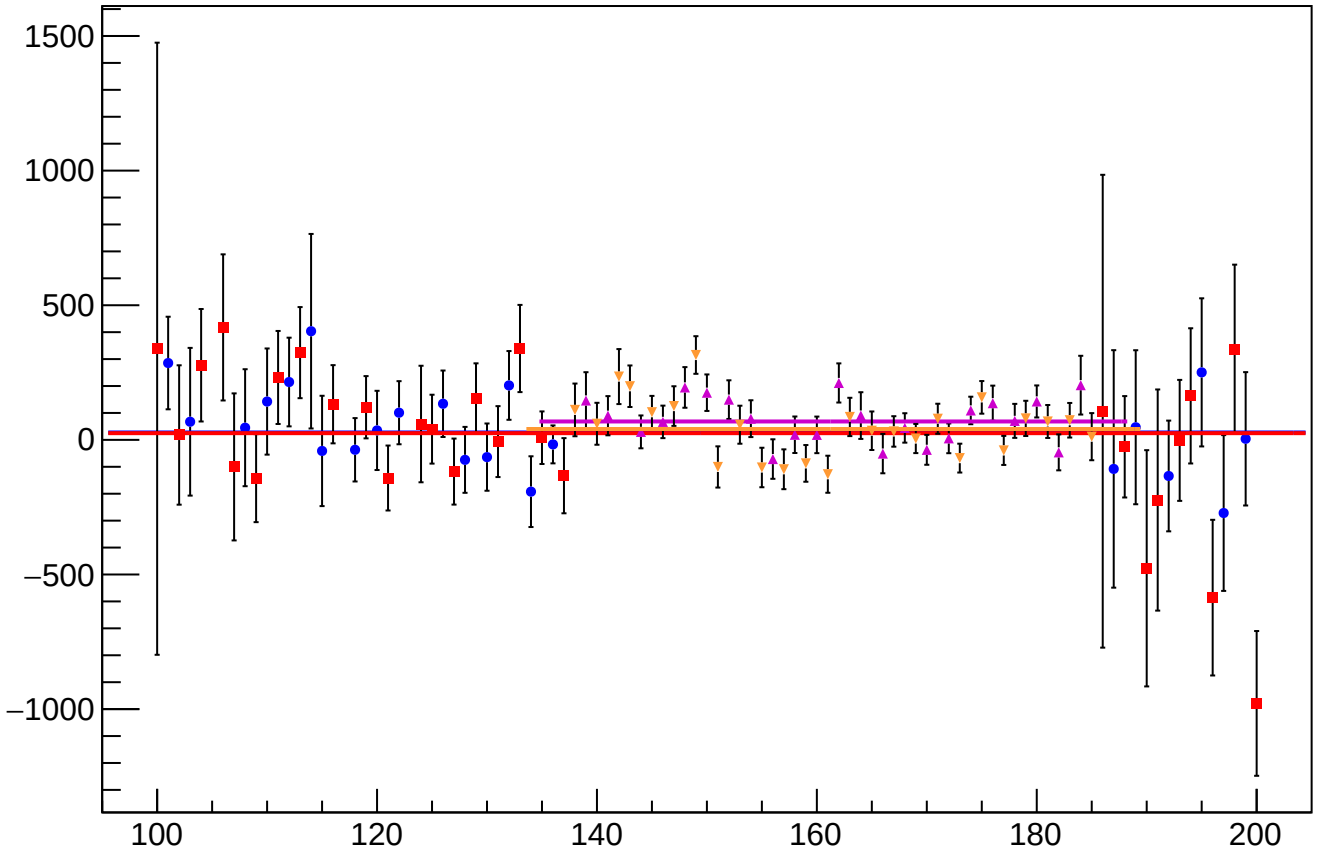
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14420200.9/49

In: 0.000+/-0.000 χ^2/NDF:11422348.8/44

Out: 0.000+/-0.000 χ^2/NDF:14190462.4/52

All: 0.000+/-0.000 χ^2/NDF: 25613625.8/97



Right In: 27.371+/-32.382 χ^2/NDF: 15.3/21

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

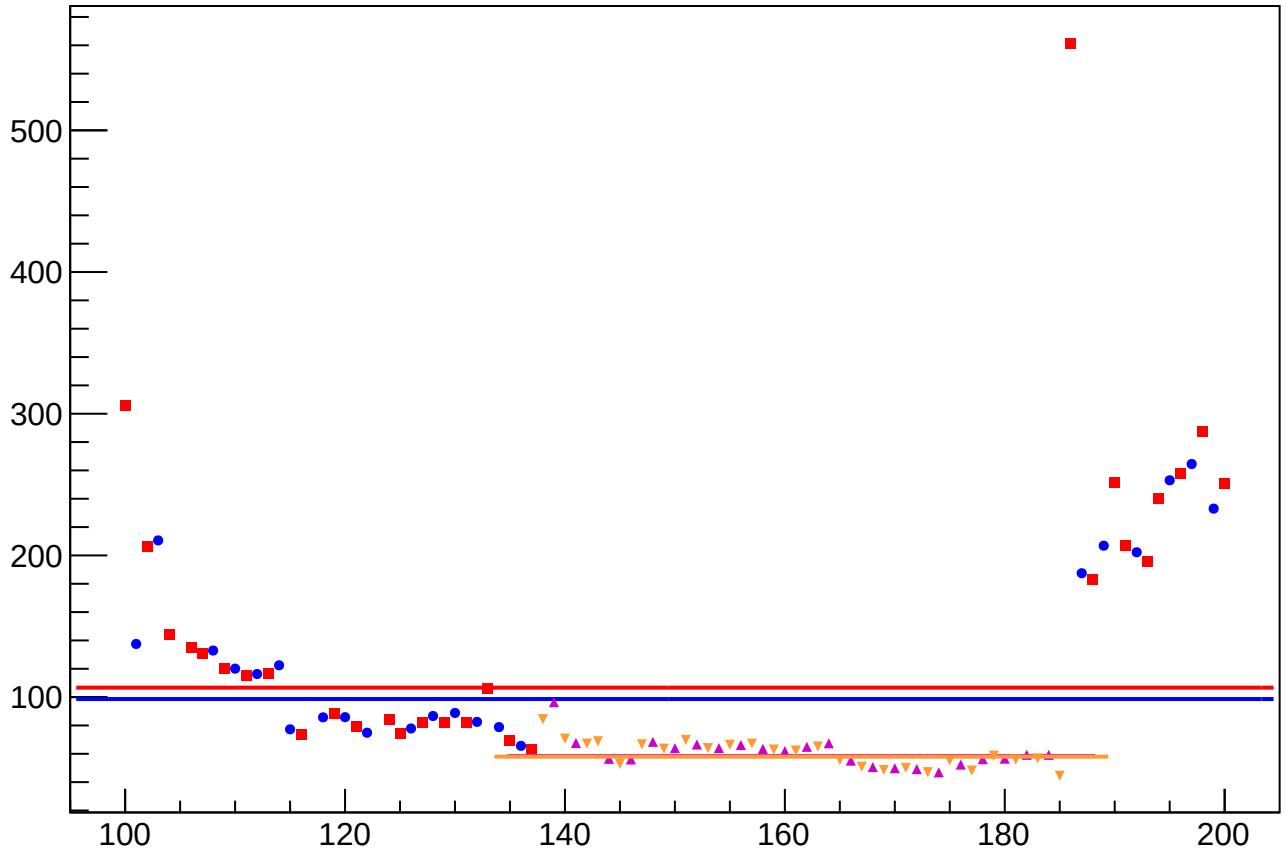
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 26.147+/-23.007 χ^2/NDF: 56.9/49

In: 61.996+/-12.747 χ^2/NDF:48.4/44

Out: 38.120+/-12.400 χ^2/NDF:101.2/52

All: 49.729+/-8.888 χ^2/NDF: 151.4/97



Right In: 98.653+/-0.023 χ^2/NDF: 4040412.8/21

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

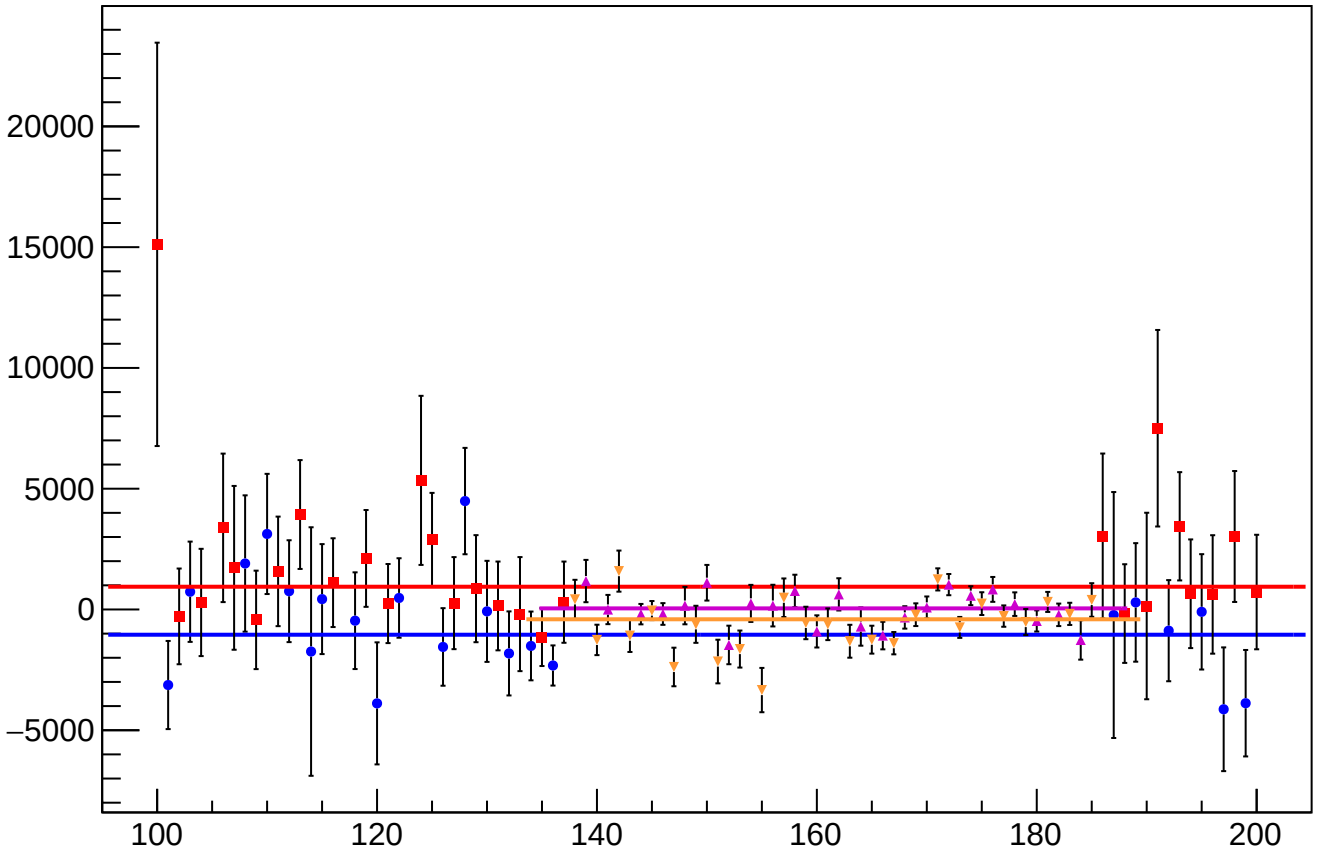
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 102.631+/-0.016 χ^2/NDF: 9566627.7/49

In: 64.634+/-0.009 χ^2/NDF:7387616.1/44

Out: 65.000+/-0.009 χ^2/NDF:10070703.1/52

All: 64.822+/-0.006 χ^2/NDF: 17459166.5/97



Right In: -1045.705+/-404.528 χ^2/NDF: 22.2/21

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

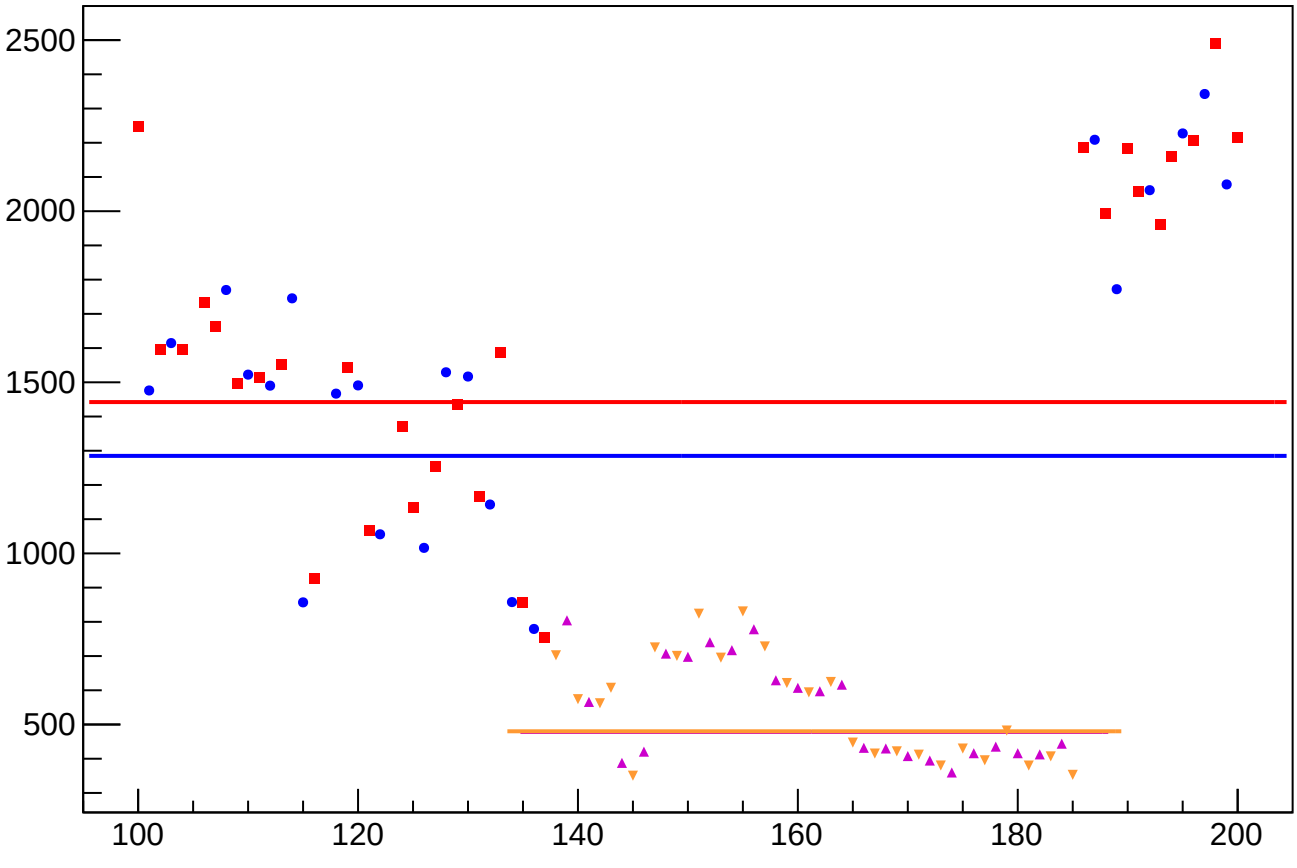
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

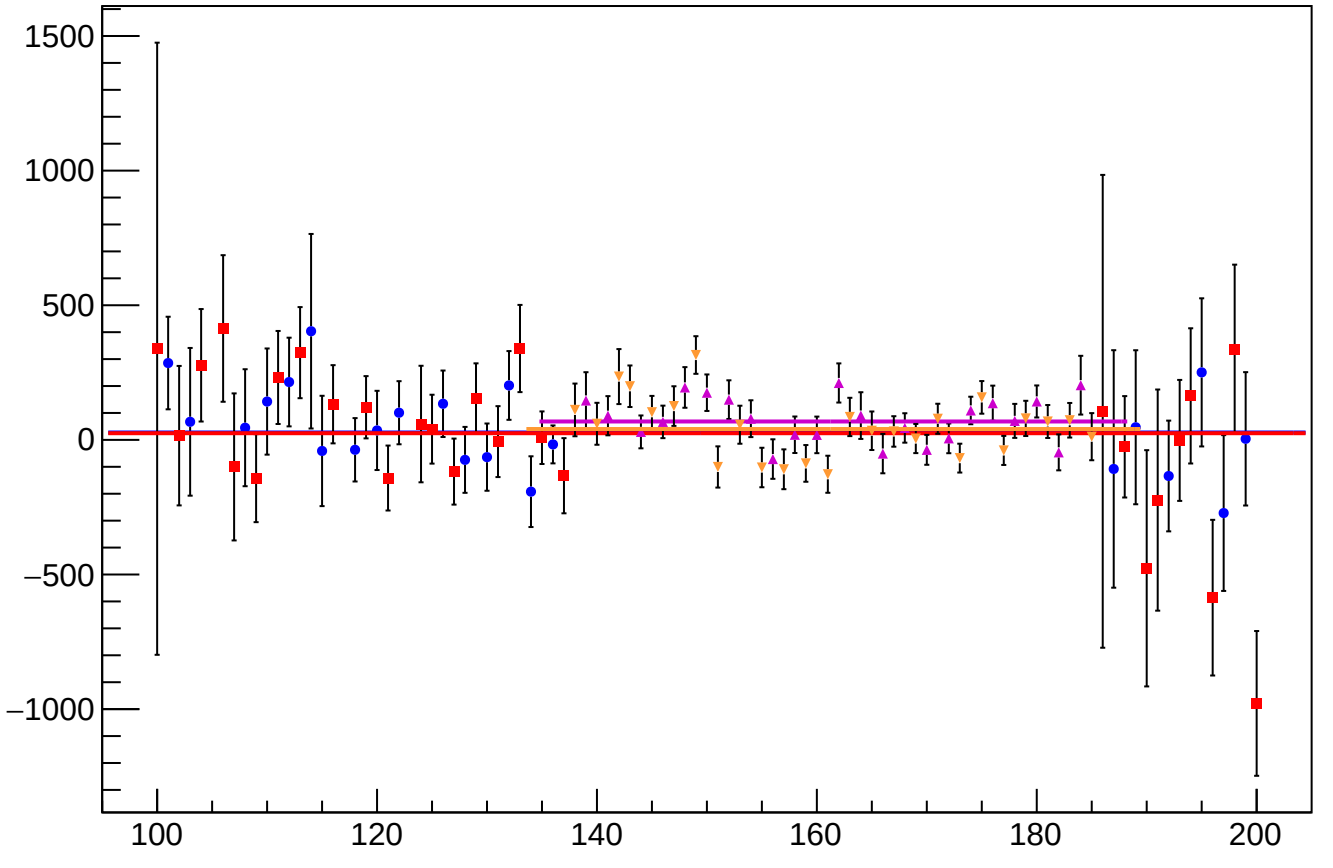
Right: -69.718+/-288.574 χ^2/NDF: 52.4/49

In: -37.718+/-111.297 χ^2/NDF:60.0/44

Out: -311.198+/-109.390 χ^2/NDF:91.5/52

All: -176.821+/-78.016 χ^2/NDF: 154.6/97


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1284.982+/-0.286 χ²/NDF: 2694044.5/21
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1442.242+/-0.291 χ²/NDF: 2653576.2/27
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1362.215+/-0.204 χ²/NDF: 5496062.0/49
In: 539.162+/-0.079 χ²/NDF:12264616.1/44
Out: 548.058+/-0.077 χ²/NDF:15382852.0/52
All: 543.687+/-0.055 χ²/NDF: 27653966.1/97



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

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

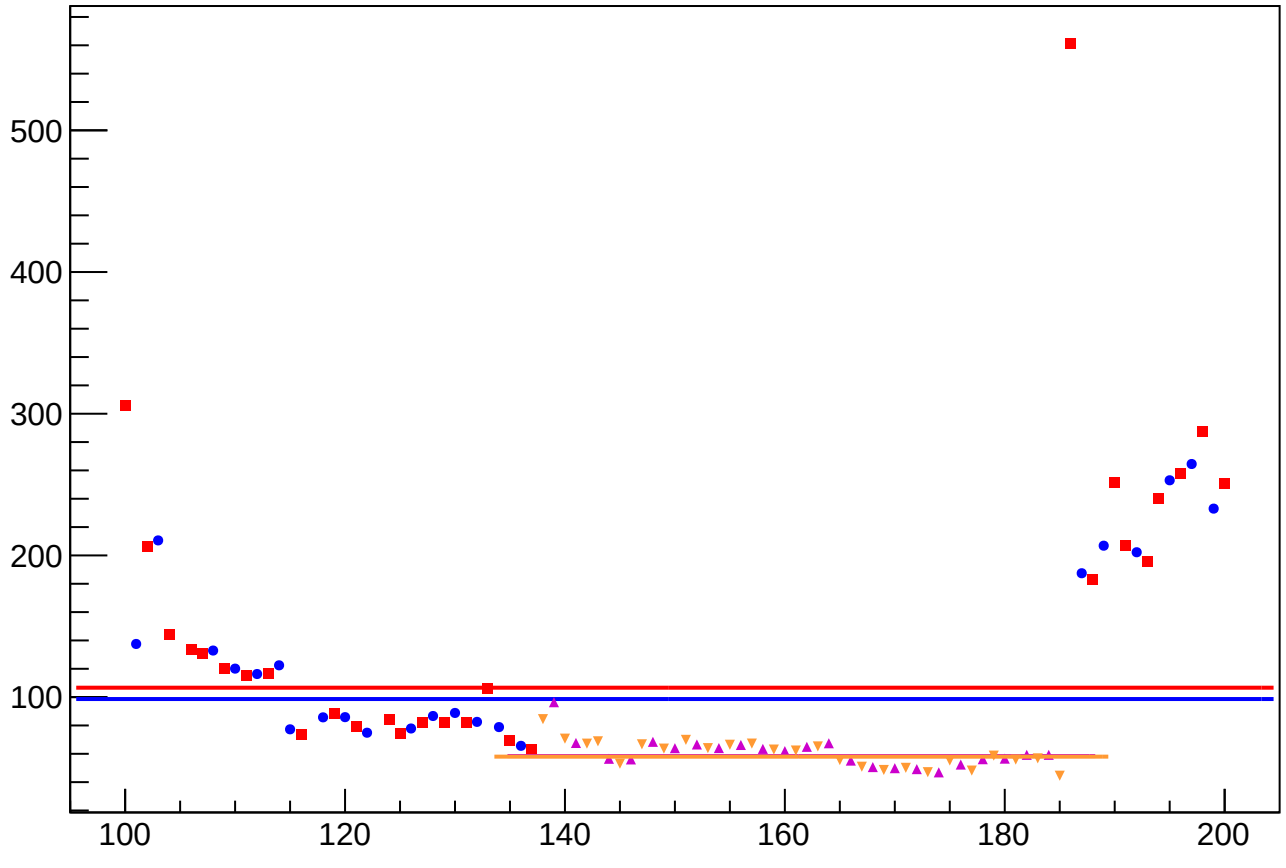
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 26.076+/-23.007 χ^2/NDF: 56.8/49

In: 61.993+/-12.747 χ^2/NDF:48.4/44

Out: 38.103+/-12.401 χ^2/NDF:101.2/52

All: 49.719+/-8.888 χ^2/NDF: 151.4/97



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

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

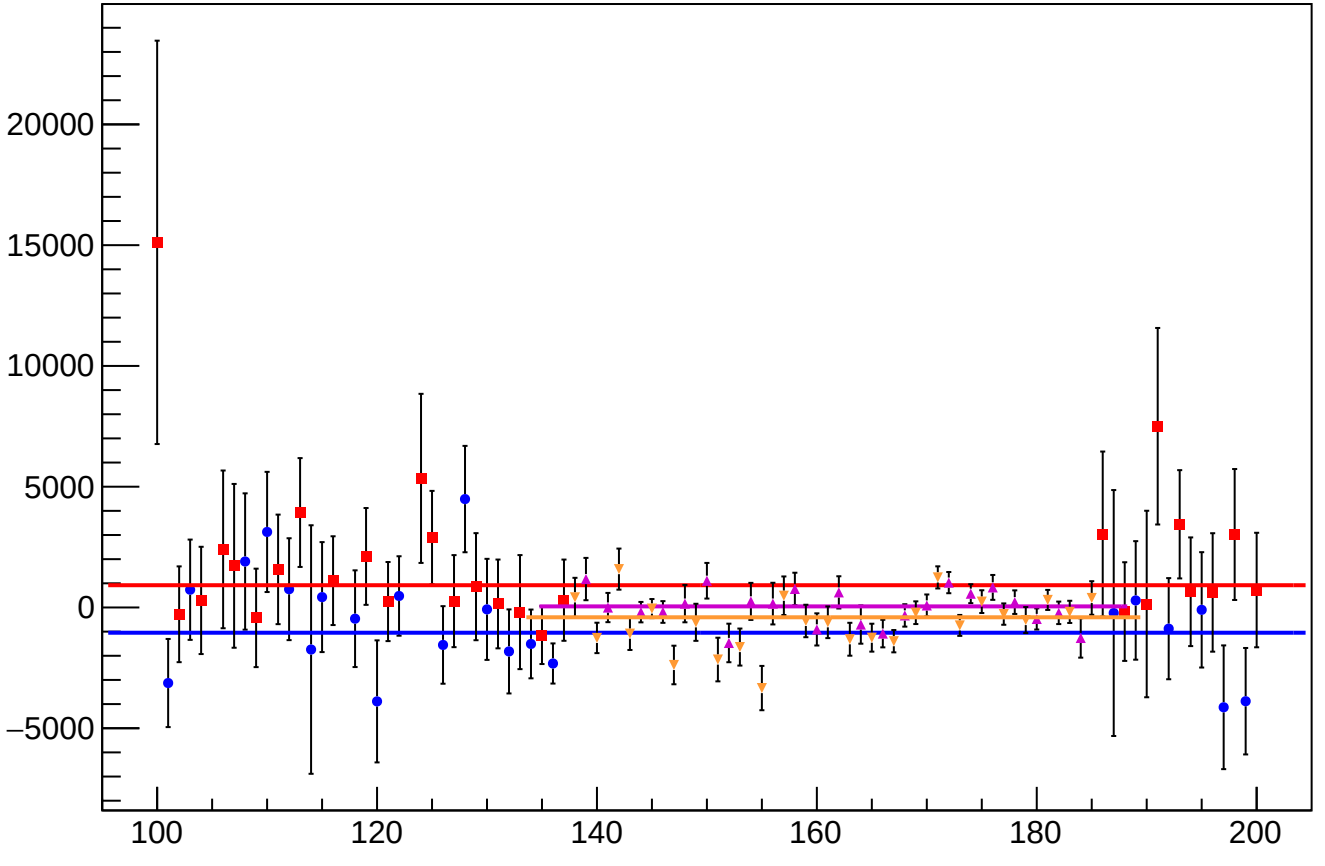
Right: 102.615+/-0.016 χ^2/NDF: 9563430.4/49

In: 64.634+/-0.009 χ^2/NDF:7387618.4/44

Out: 64.995+/-0.009 χ^2/NDF:10062812.5/52

All: 64.820+/-0.006 χ^2/NDF: 17451254.7/97

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

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

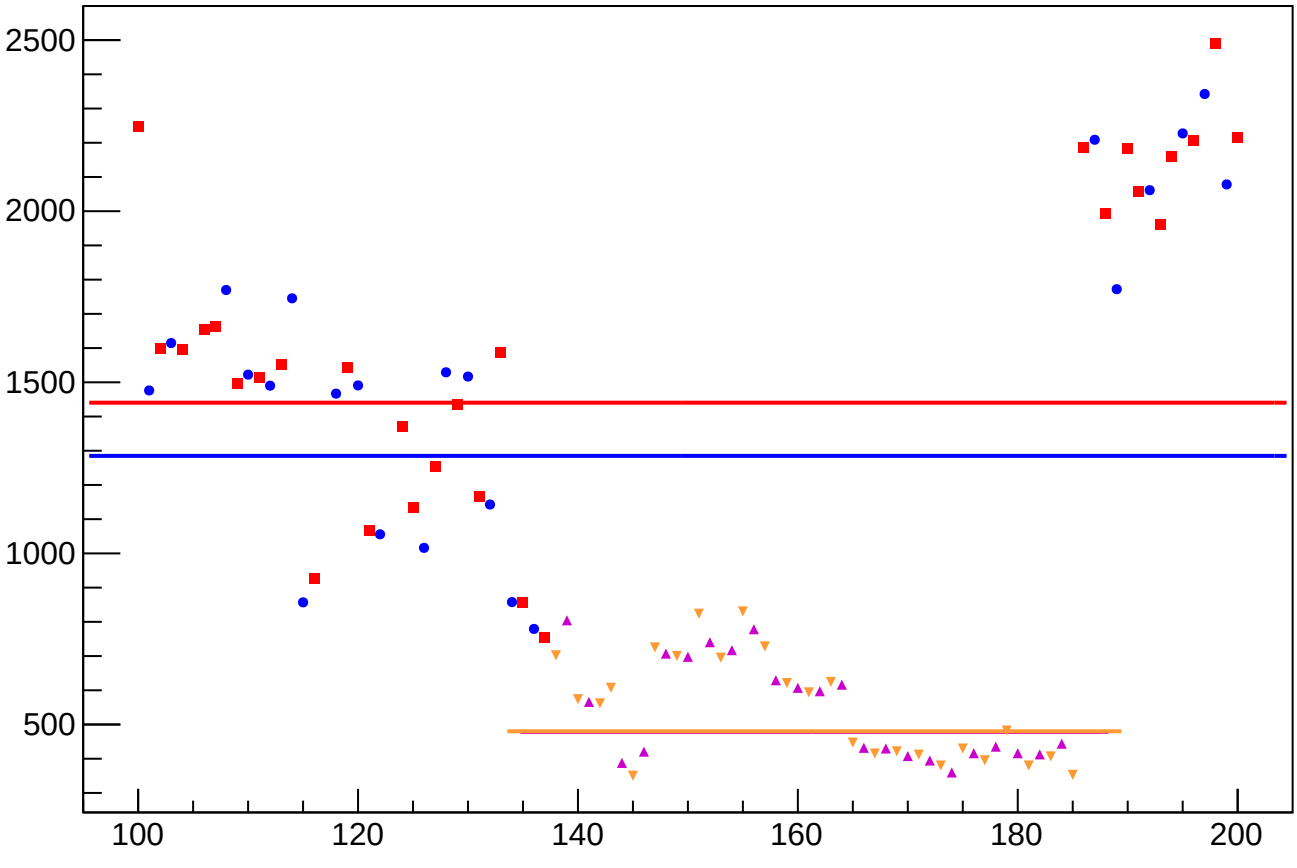
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

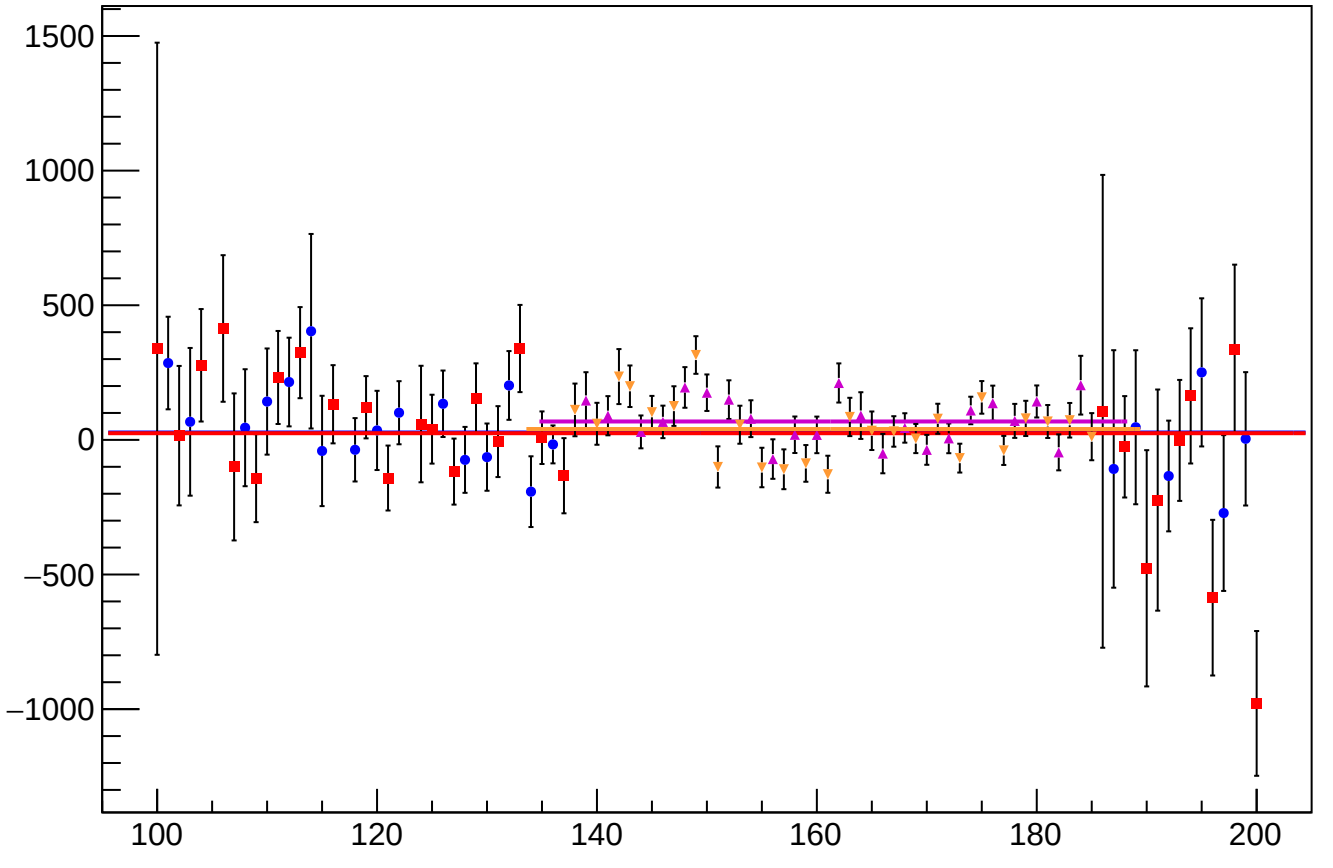
Right: -80.649+/-288.723 χ^2/NDF: 51.7/49

In: -37.717+/-111.297 χ^2/NDF:60.0/44

Out: -312.804+/-109.399 χ^2/NDF:90.8/52

All: -177.627+/-78.019 χ^2/NDF: 153.8/97


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1284.984+/-0.286 χ²/NDF: 2694074.6/21
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1440.442+/-0.291 χ²/NDF: 2644278.2/27
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1361.251+/-0.204 χ²/NDF: 5483257.6/49
In: 539.163+/-0.079 χ²/NDF:12264642.3/44
Out: 547.798+/-0.077 χ²/NDF:15315843.0/52
All: 543.555+/-0.055 χ²/NDF: 27586609.0/97



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

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

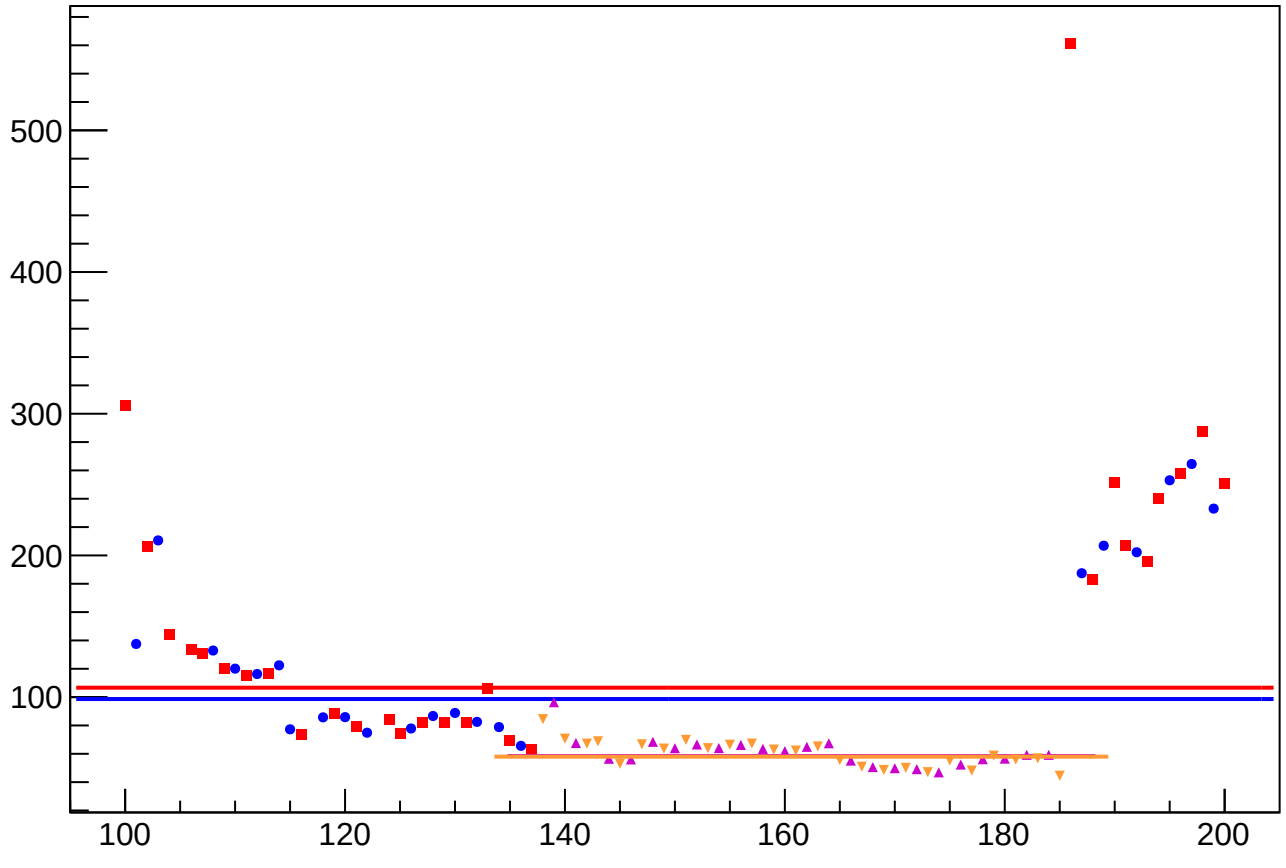
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 26.076+/-23.007 χ^2/NDF: 56.8/49

In: 61.993+/-12.747 χ^2/NDF:48.4/44

Out: 38.103+/-12.401 χ^2/NDF:101.2/52

All: 49.719+/-8.888 χ^2/NDF: 151.4/97



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

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

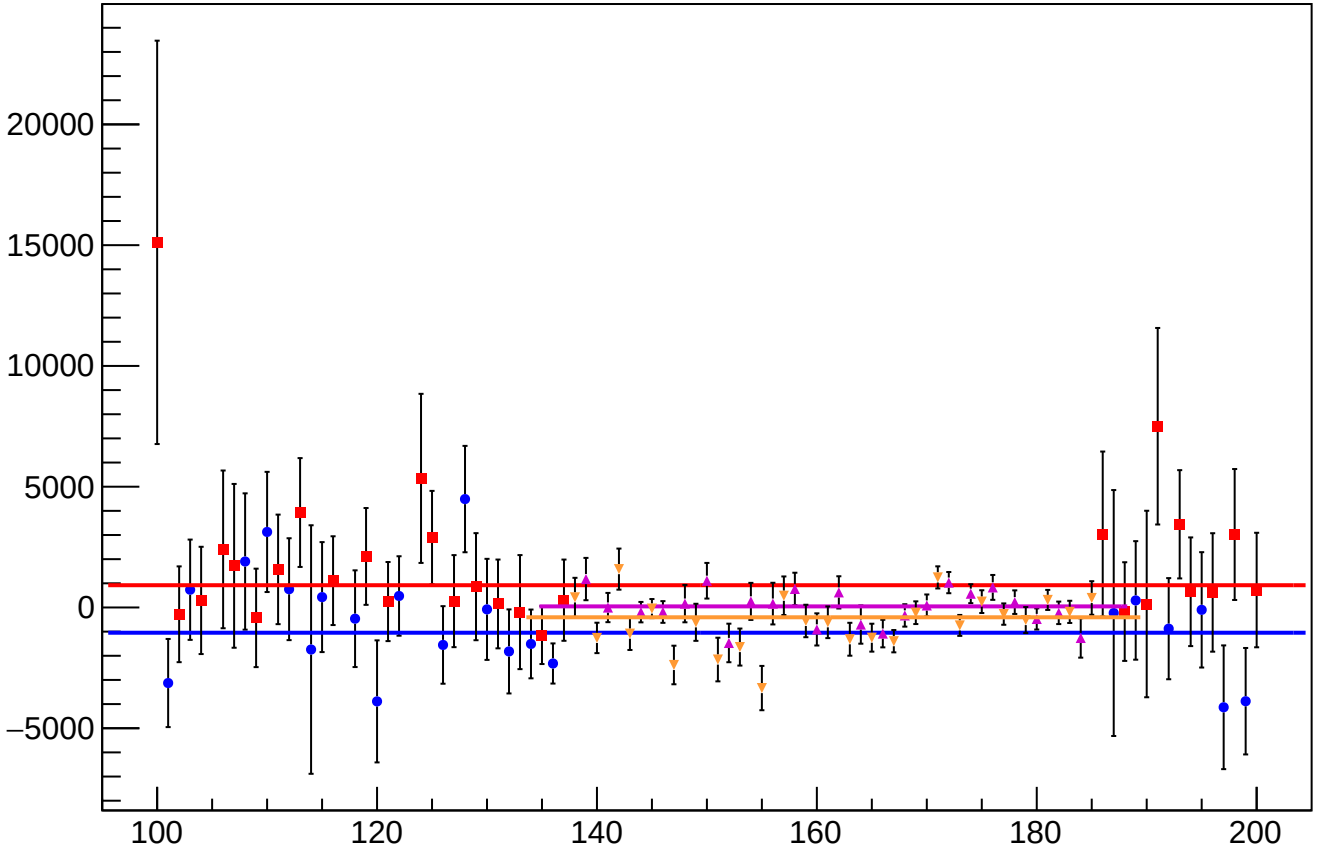
Right: 102.615+/-0.016 χ^2/NDF: 9563430.4/49

In: 64.634+/-0.009 χ^2/NDF:7387618.4/44

Out: 64.995+/-0.009 χ^2/NDF:10062812.5/52

All: 64.820+/-0.006 χ^2/NDF: 17451254.7/97

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

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

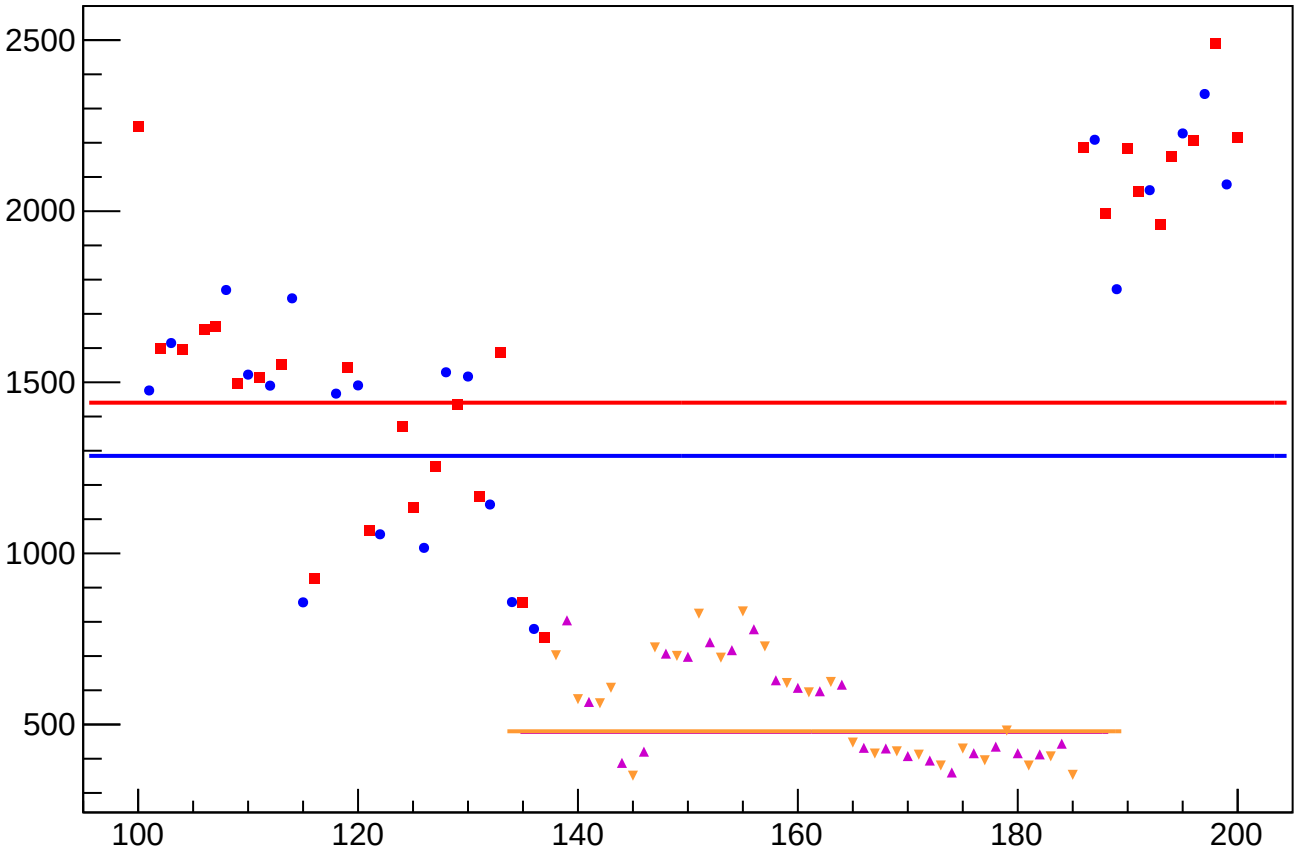
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -80.649+/-288.723 χ^2/NDF: 51.7/49

In: -37.717+/-111.297 χ^2/NDF:60.0/44

Out: -312.804+/-109.399 χ^2/NDF:90.8/52

All: -177.627+/-78.019 χ^2/NDF: 153.8/97



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

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

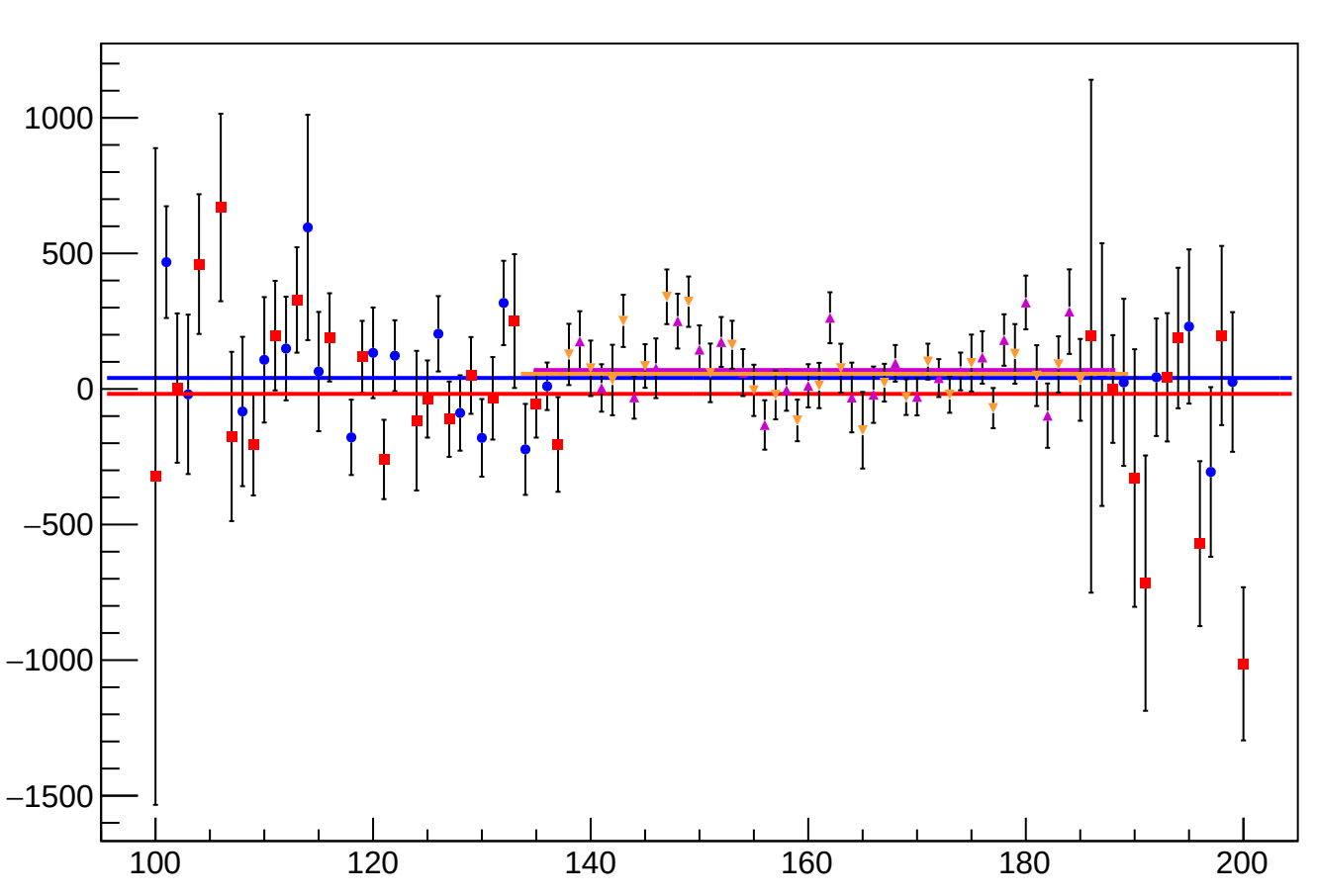
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1361.251+/-0.204 χ^2/NDF: 5483257.6/49

In: 539.163+/-0.079 χ^2/NDF:12264642.3/44

Out: 547.798+/-0.077 χ^2/NDF:15315843.0/52

All: 543.555+/-0.055 χ^2/NDF: 27586609.0/97



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

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

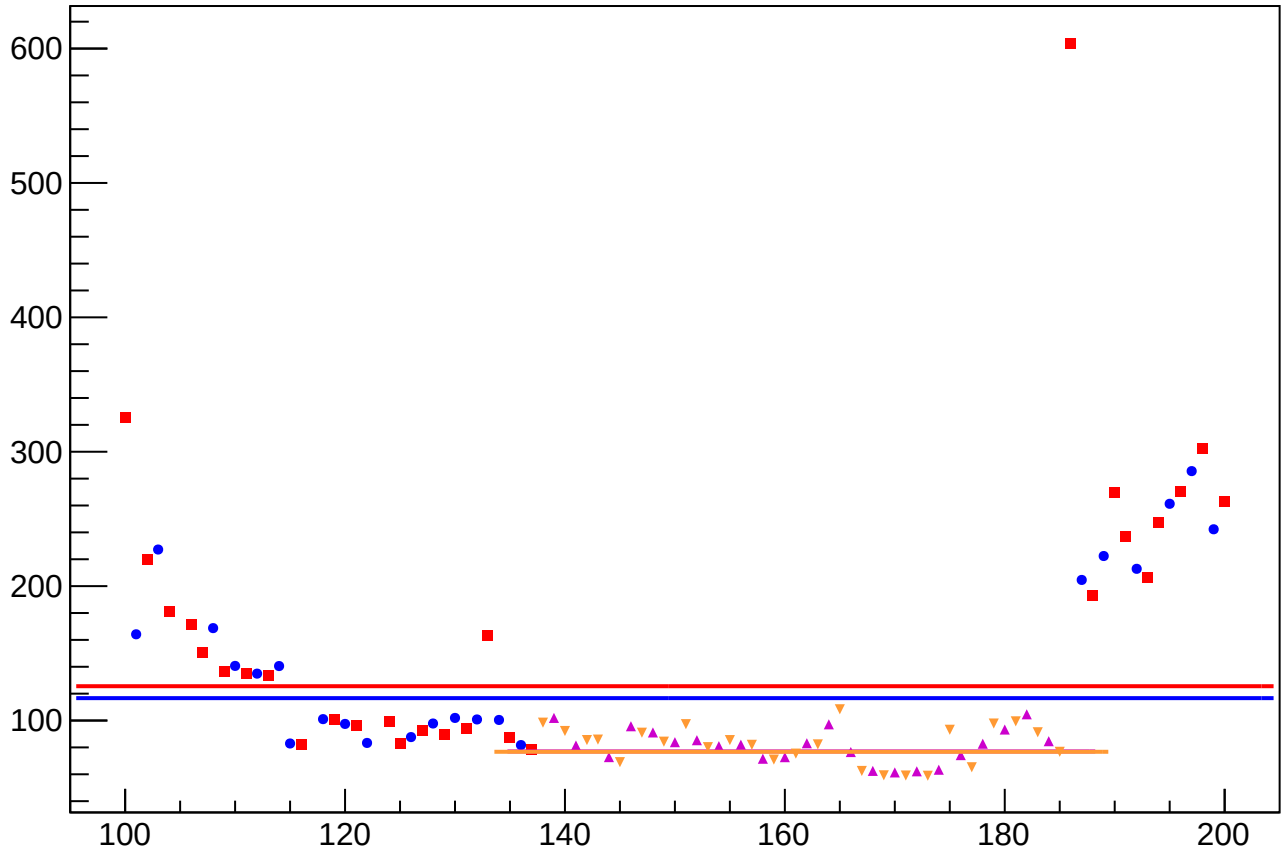
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 11.306+/-26.781 χ^2/NDF: 64.5/49

In: 64.182+/-16.613 χ^2/NDF:57.0/44

Out: 42.398+/-16.227 χ^2/NDF:82.7/52

All: 53.034+/-11.608 χ^2/NDF: 140.6/97



Right In: 116.660+/-0.027 χ^2/NDF: 3511030.2/21

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

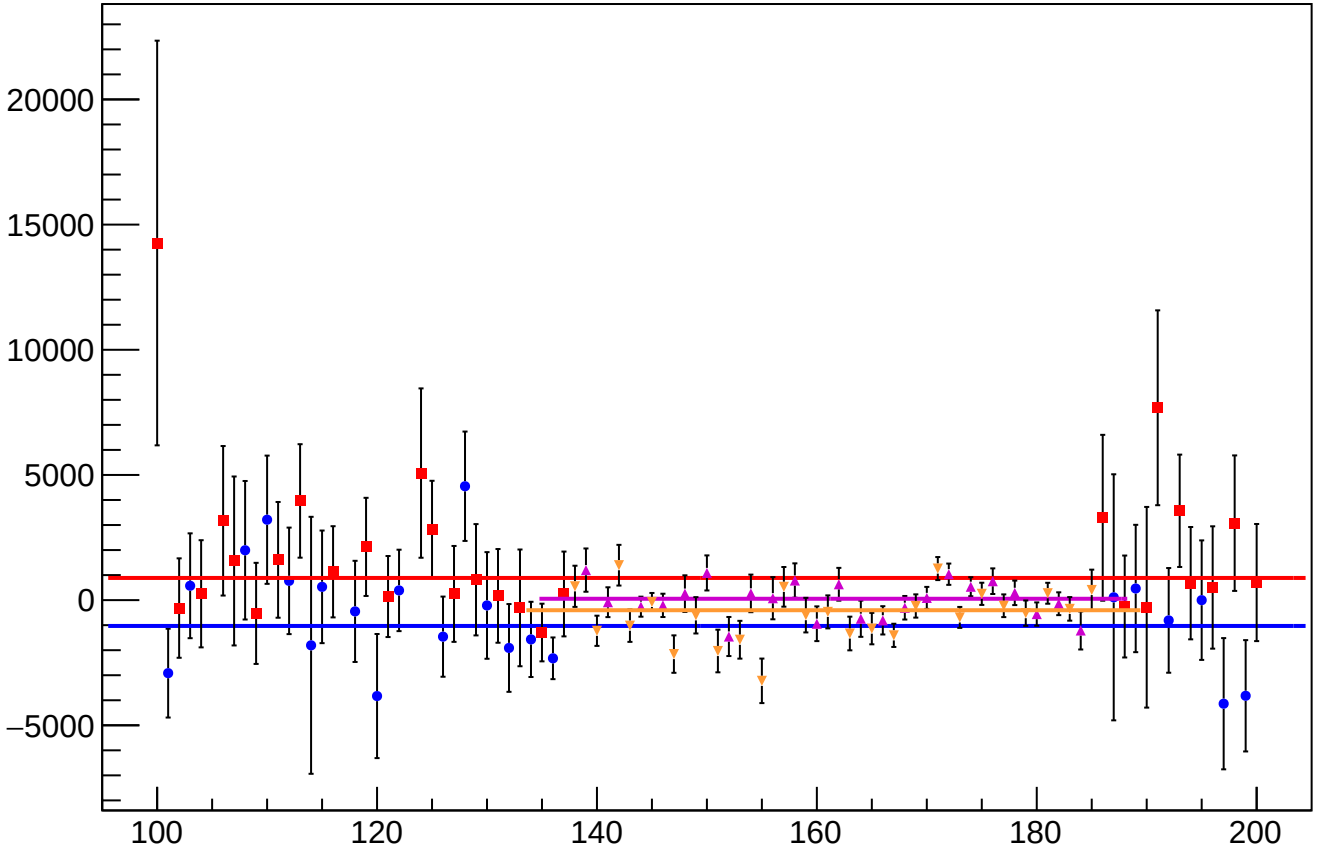
Right: 121.077+/-0.019 χ^2/NDF: 8429871.2/49

In: 84.681+/-0.012 χ^2/NDF:6145727.8/44

Out: 85.658+/-0.011 χ^2/NDF:8798601.0/52

All: 85.181+/-0.008 χ^2/NDF: 14947867.9/97

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1031.589+/-406.558 χ^2/NDF: 22.1/21

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

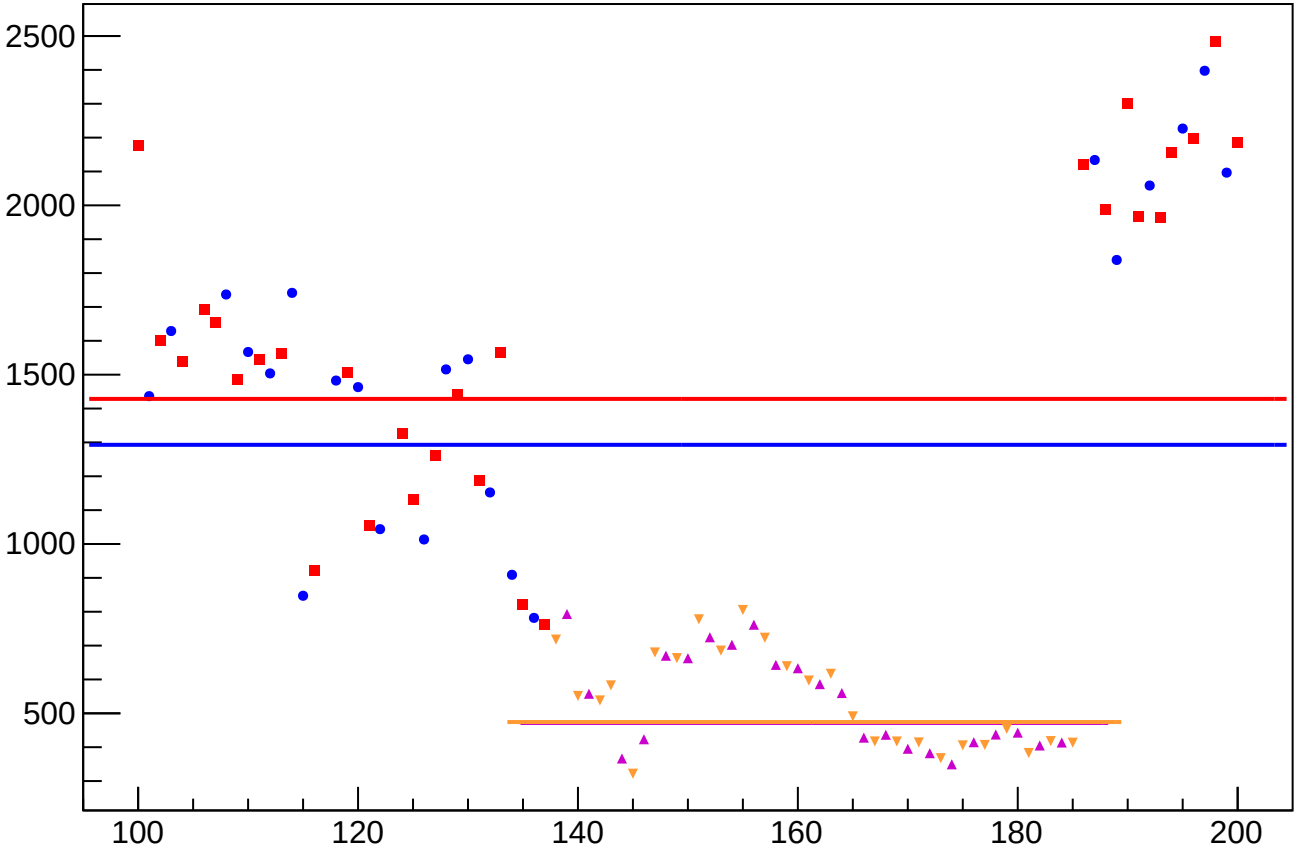
Right: -76.473+/-288.013 χ^2/NDF: 53.0/49

In: -25.243+/-109.966 χ^2/NDF:59.4/44

Out: -313.408+/-107.802 χ^2/NDF:89.8/52

All: -172.188+/-76.981 χ^2/NDF: 152.7/97

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1292.861+/-0.287 χ^2/NDF: 2674534.9/21

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

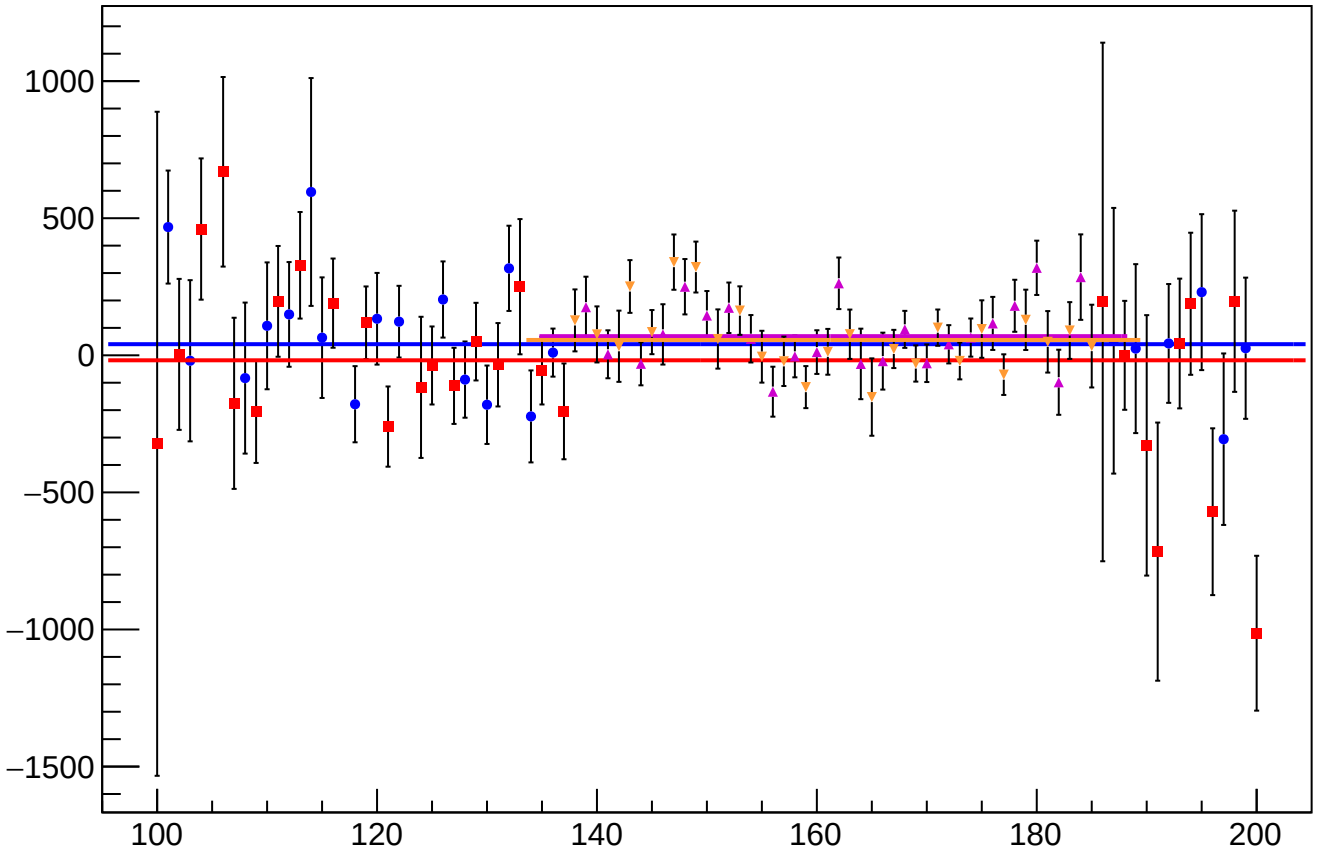
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1360.415+/-0.204 χ^2/NDF: 5502316.9/49

In: 531.549+/-0.078 χ^2/NDF:12450550.6/44

Out: 540.885+/-0.076 χ^2/NDF:15427819.8/52

All: 536.310+/-0.054 χ^2/NDF: 27885721.4/97



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

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

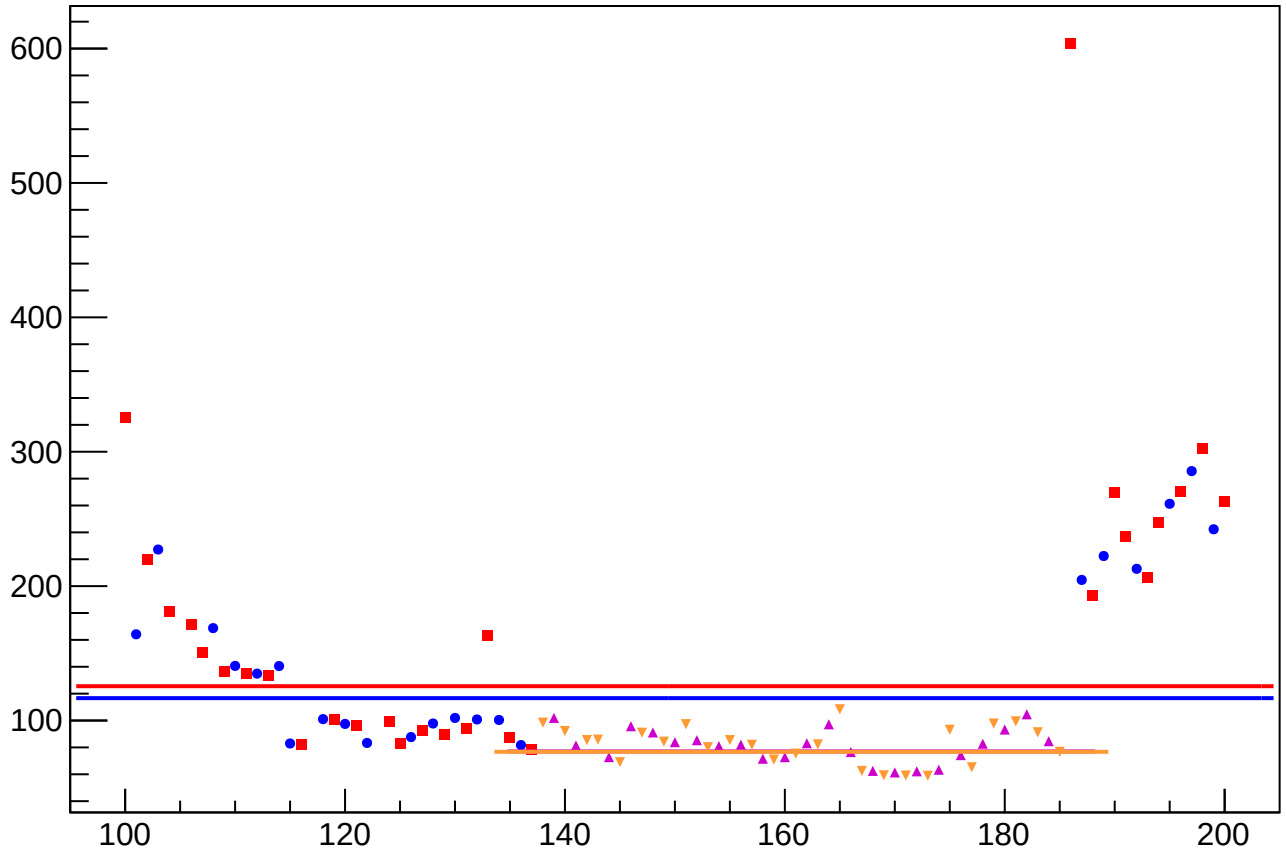
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 11.305+/-26.781 χ^2/NDF: 64.5/49

In: 64.182+/-16.613 χ^2/NDF:57.0/44

Out: 42.397+/-16.227 χ^2/NDF:82.7/52

All: 53.033+/-11.608 χ^2/NDF: 140.6/97



Right In: 116.660+/-0.027 χ^2/NDF: 3511033.9/21

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

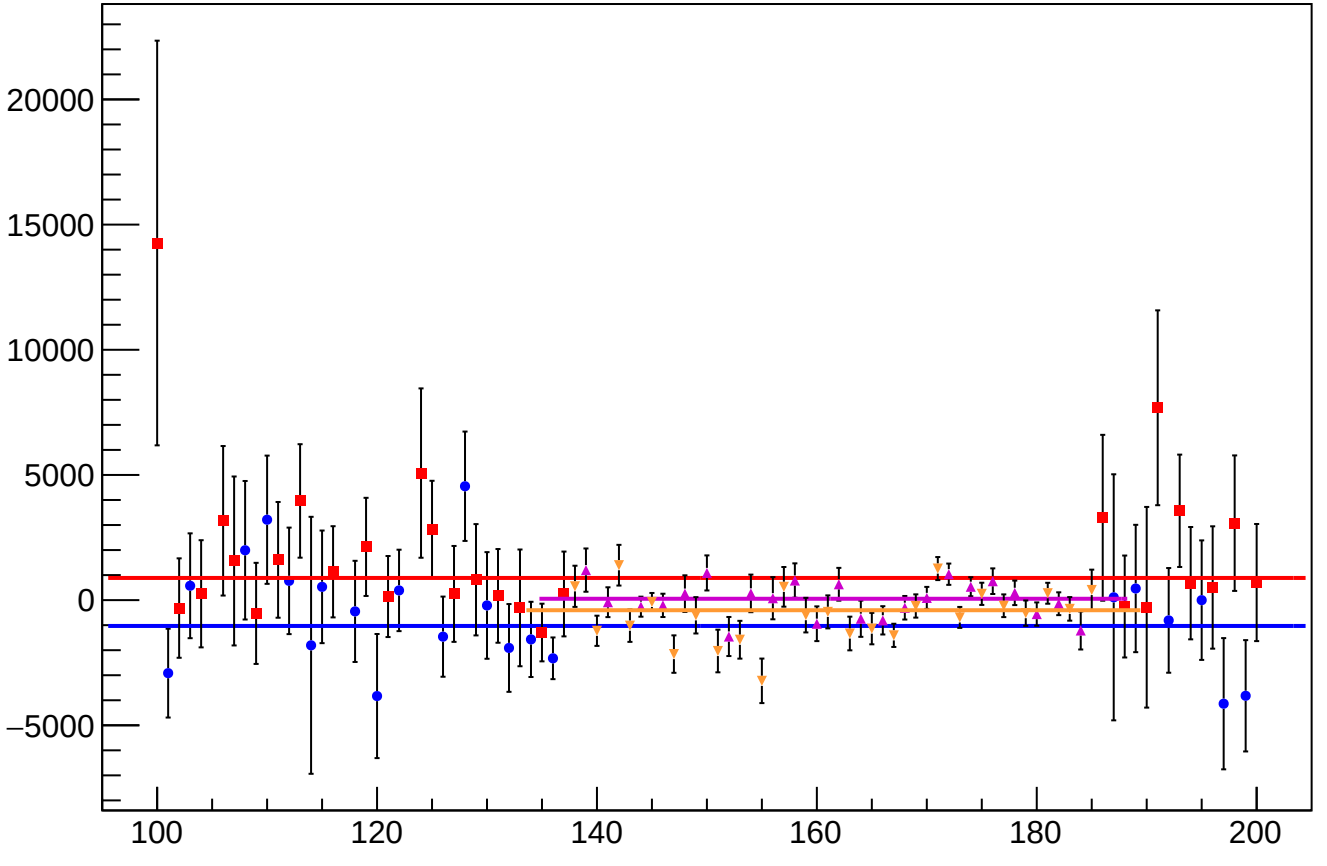
Right: 121.077+/-0.019 χ^2/NDF: 8429883.8/49

In: 84.681+/-0.012 χ^2/NDF:6145677.4/44

Out: 85.658+/-0.011 χ^2/NDF:8798566.6/52

All: 85.181+/-0.008 χ^2/NDF: 14947783.0/97

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1031.585+/-406.558 χ^2/NDF: 22.1/21

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

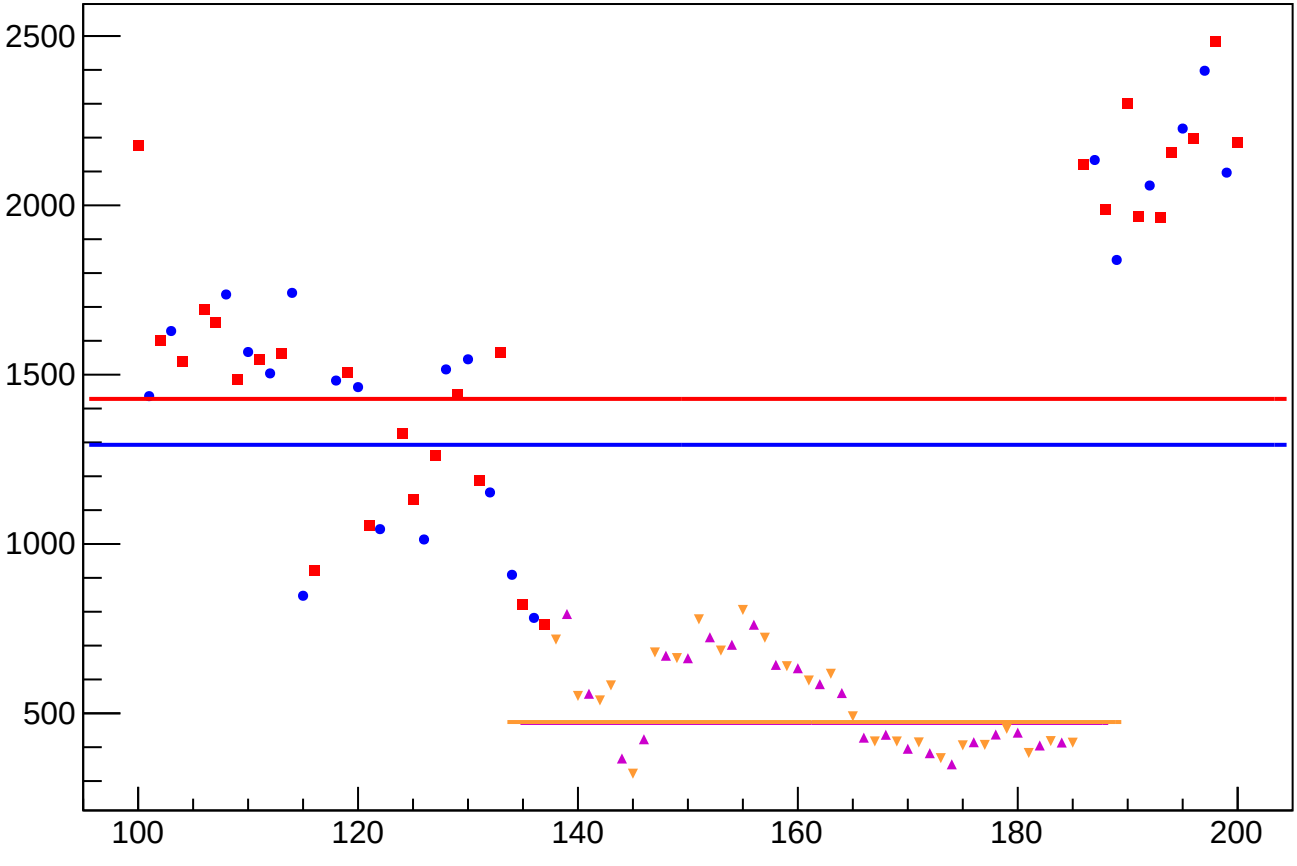
Right: -76.471+/-288.012 χ^2/NDF: 53.0/49

In: -25.243+/-109.966 χ^2/NDF:59.4/44

Out: -313.407+/-107.802 χ^2/NDF:89.8/52

All: -172.187+/-76.981 χ^2/NDF: 152.7/97

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1292.860+/-0.287 χ^2/NDF: 2674524.7/21

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

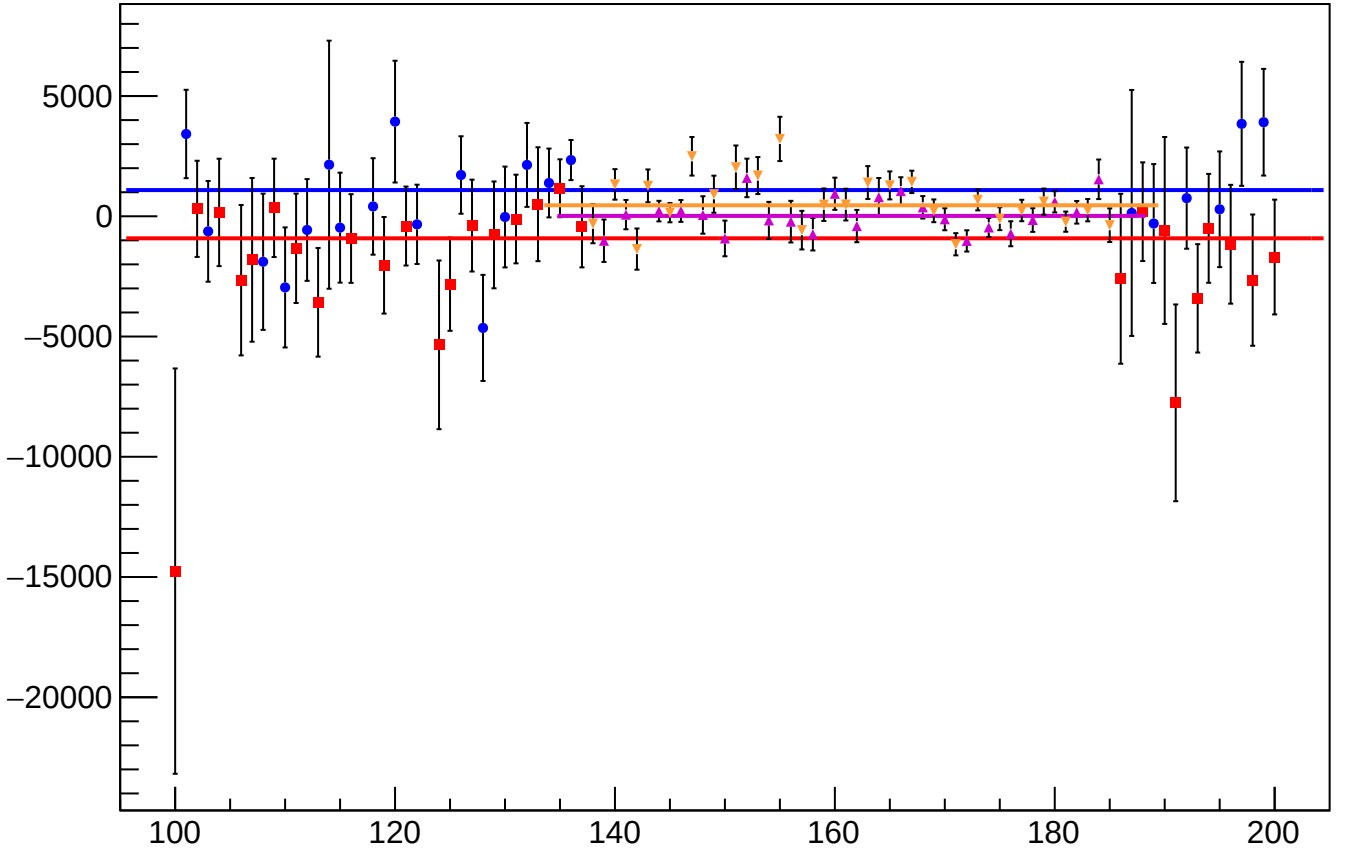
Right: 1360.413+/-0.204 χ^2/NDF: 5502302.4/49

In: 531.549+/-0.078 χ^2/NDF:12450531.5/44

Out: 540.885+/-0.076 χ^2/NDF:15427813.1/52

All: 536.310+/-0.054 χ^2/NDF: 27885695.4/97

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1089.347+/-406.274 χ^2/NDF: 22.3/21

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

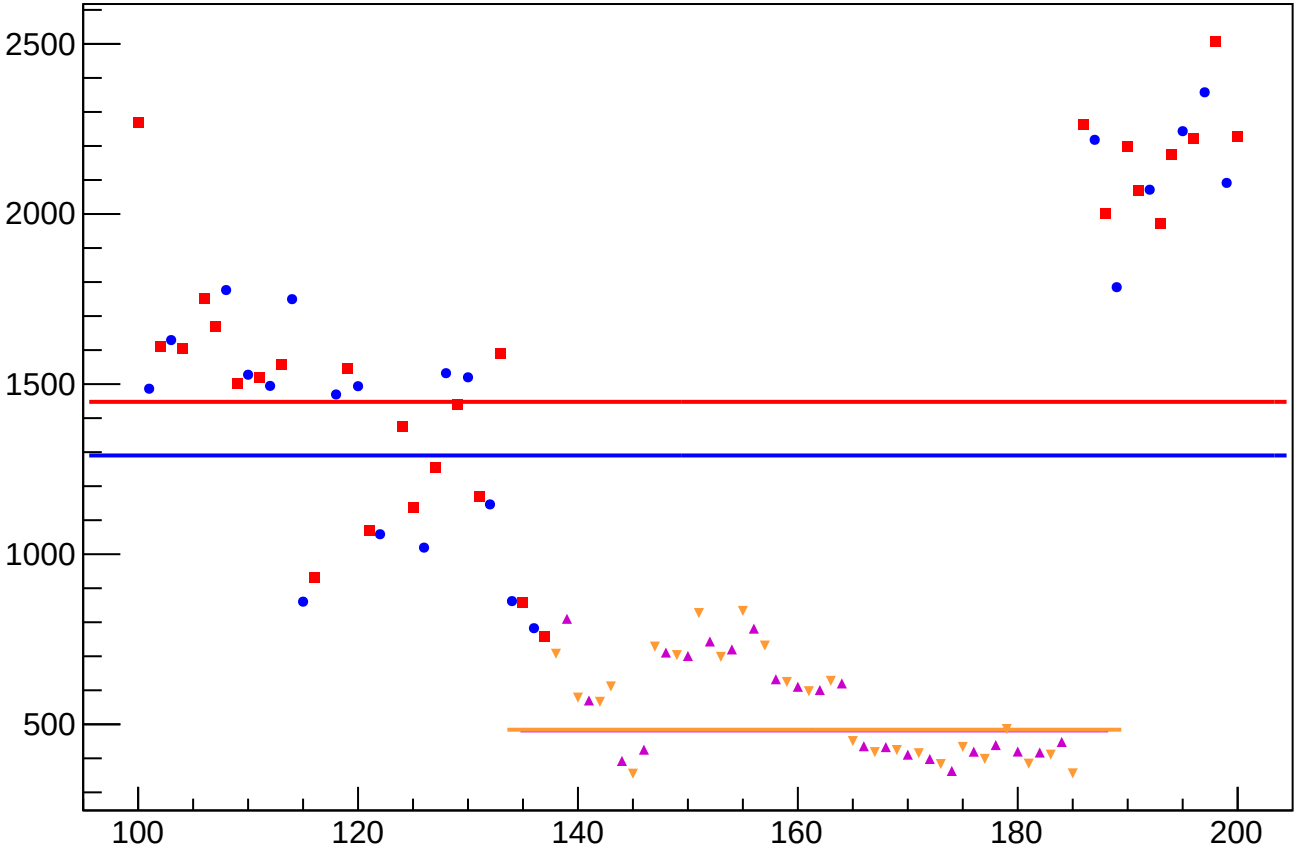
Right: 104.802+/-289.869 χ^2/NDF: 51.6/49

In: 96.971+/-112.165 χ^2/NDF:59.1/44

Out: 359.806+/-110.218 χ^2/NDF:86.9/52

All: 230.689+/-78.615 χ^2/NDF: 148.8/97

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1290.279+/-0.287 χ^2/NDF: 2702576.3/21

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

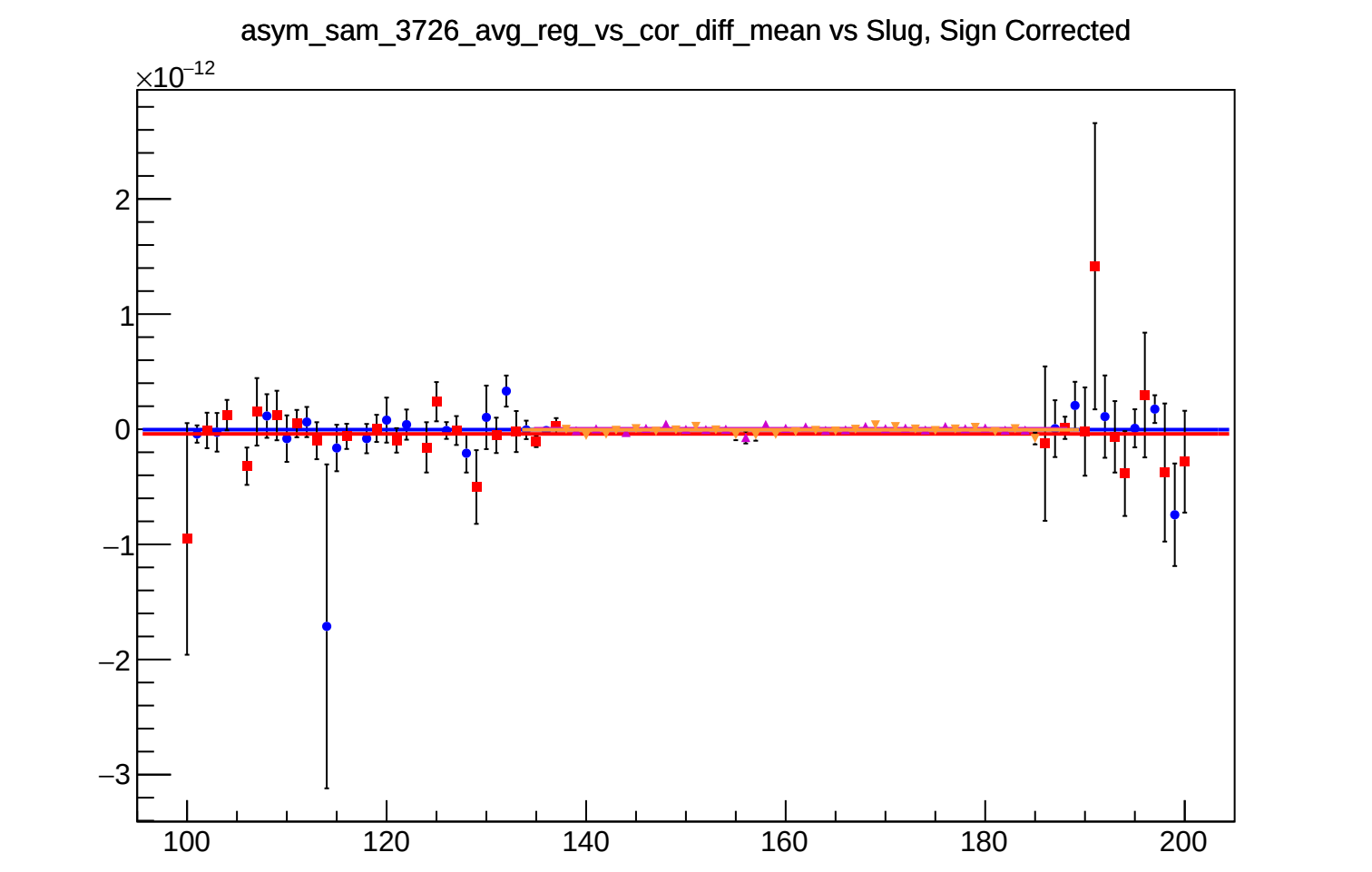
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1367.660+/-0.205 χ^2/NDF: 5534221.1/49

In: 543.756+/-0.079 χ^2/NDF:12199169.9/44

Out: 552.536+/-0.078 χ^2/NDF:15316269.7/52

All: 548.223+/-0.056 χ^2/NDF: 27521675.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/21

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

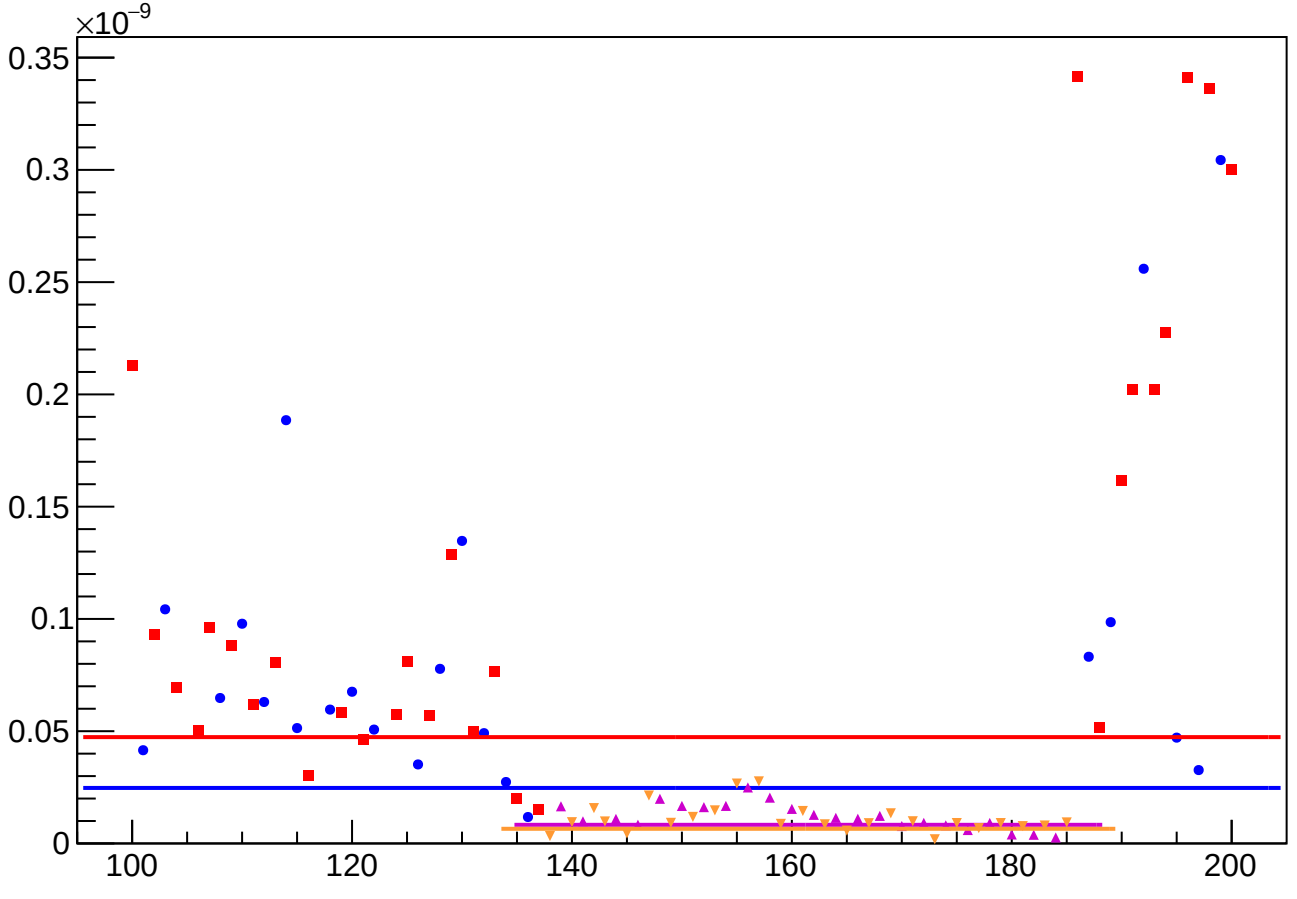
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 38.5/49

In: 0.000+/-0.000 χ^2/NDF:33.1/44

Out: -0.000+/-0.000 χ^2/NDF:52.1/52

All: -0.000+/-0.000 χ^2/NDF: 88.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 4925714.2/21

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

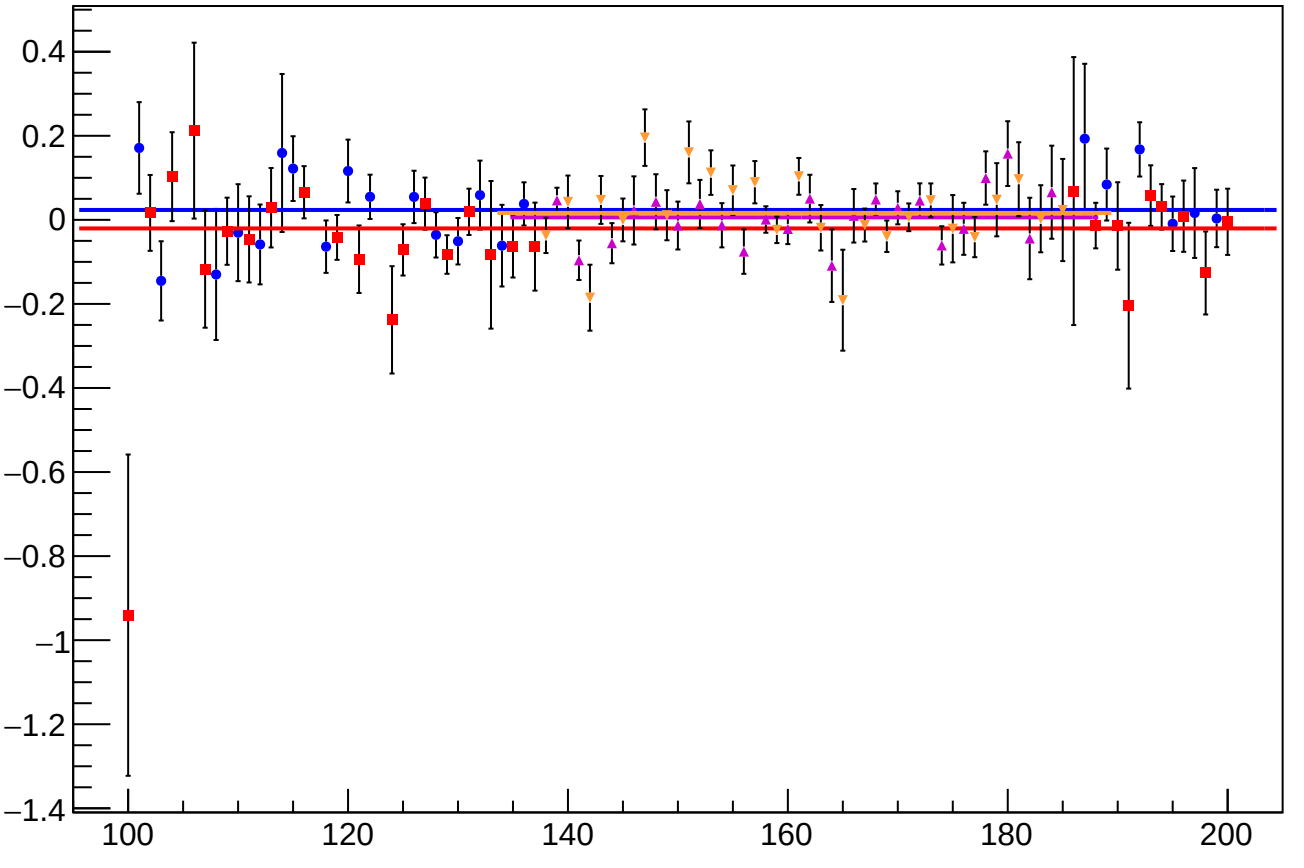
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11230604.9/49

In: 0.000+/-0.000 χ^2/NDF:9514981.6/44

Out: 0.000+/-0.000 χ^2/NDF:13924428.5/52

All: 0.000+/-0.000 χ^2/NDF: 23760706.8/97



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

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

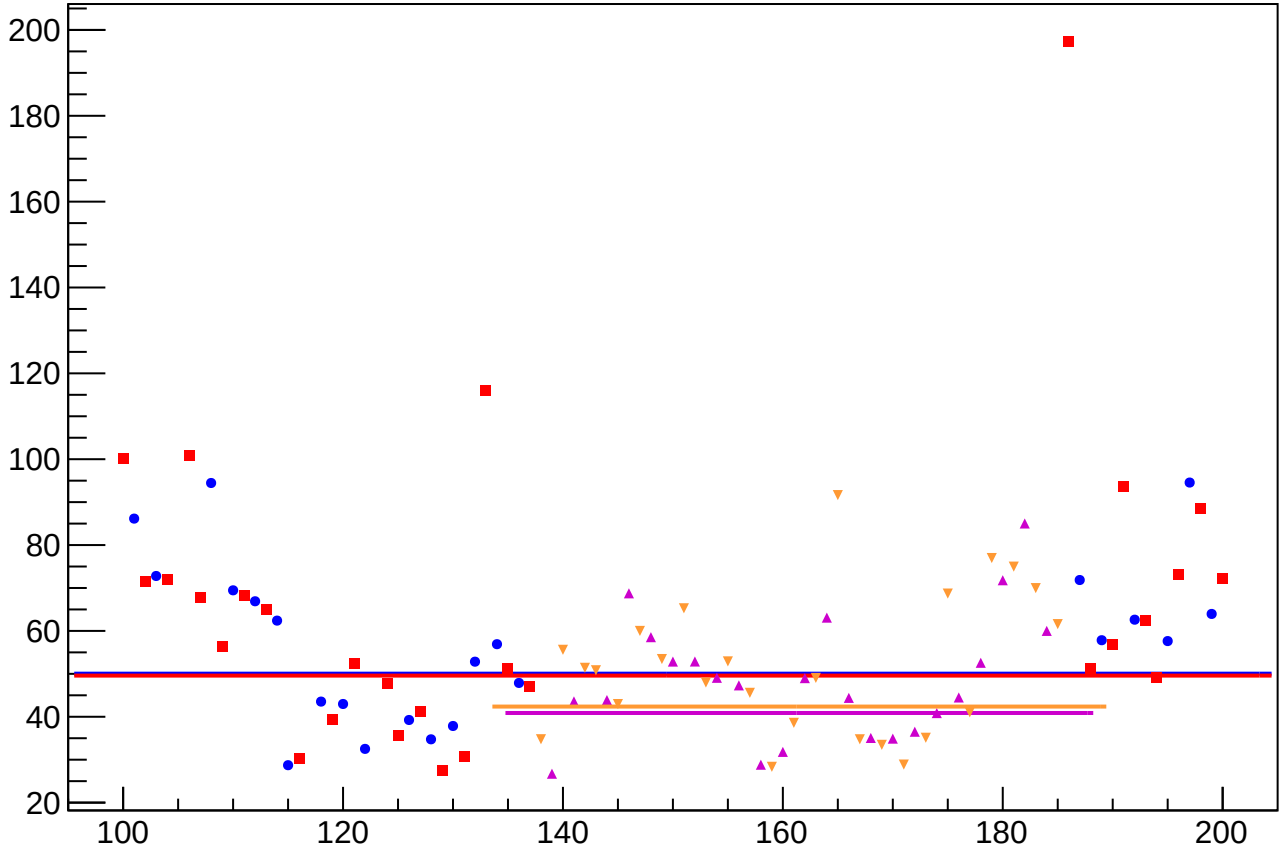
Right: 0.000+/-0.011 χ^2/NDF: 52.2/49

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.008+/-0.006 χ^2/NDF: 120.5/97

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

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

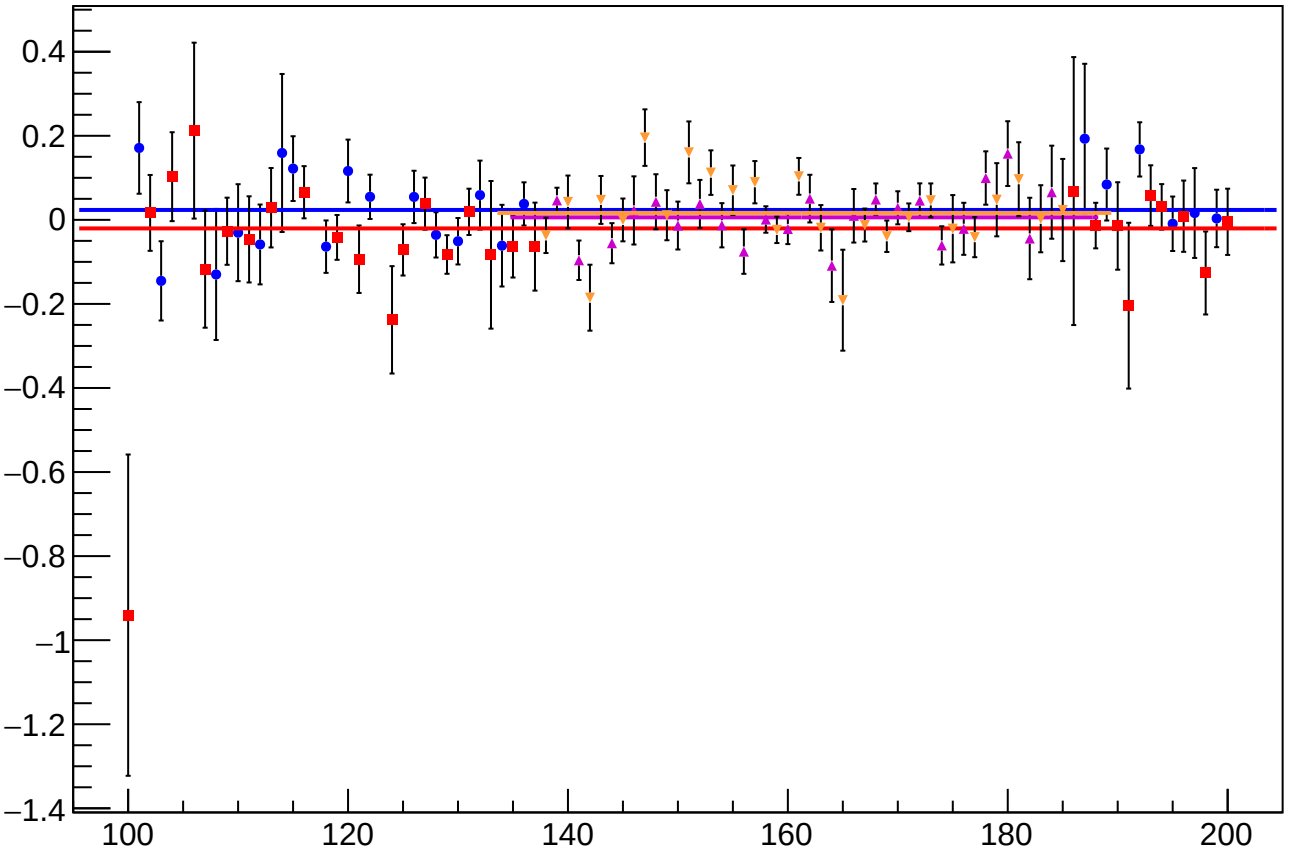
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.798+/-0.008 χ^2/NDF: 5118923.9/49

In: 43.568+/-0.006 χ^2/NDF:5099201.9/44

Out: 44.732+/-0.006 χ^2/NDF:6671396.3/52

All: 44.160+/-0.004 χ^2/NDF: 11789073.3/97



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

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

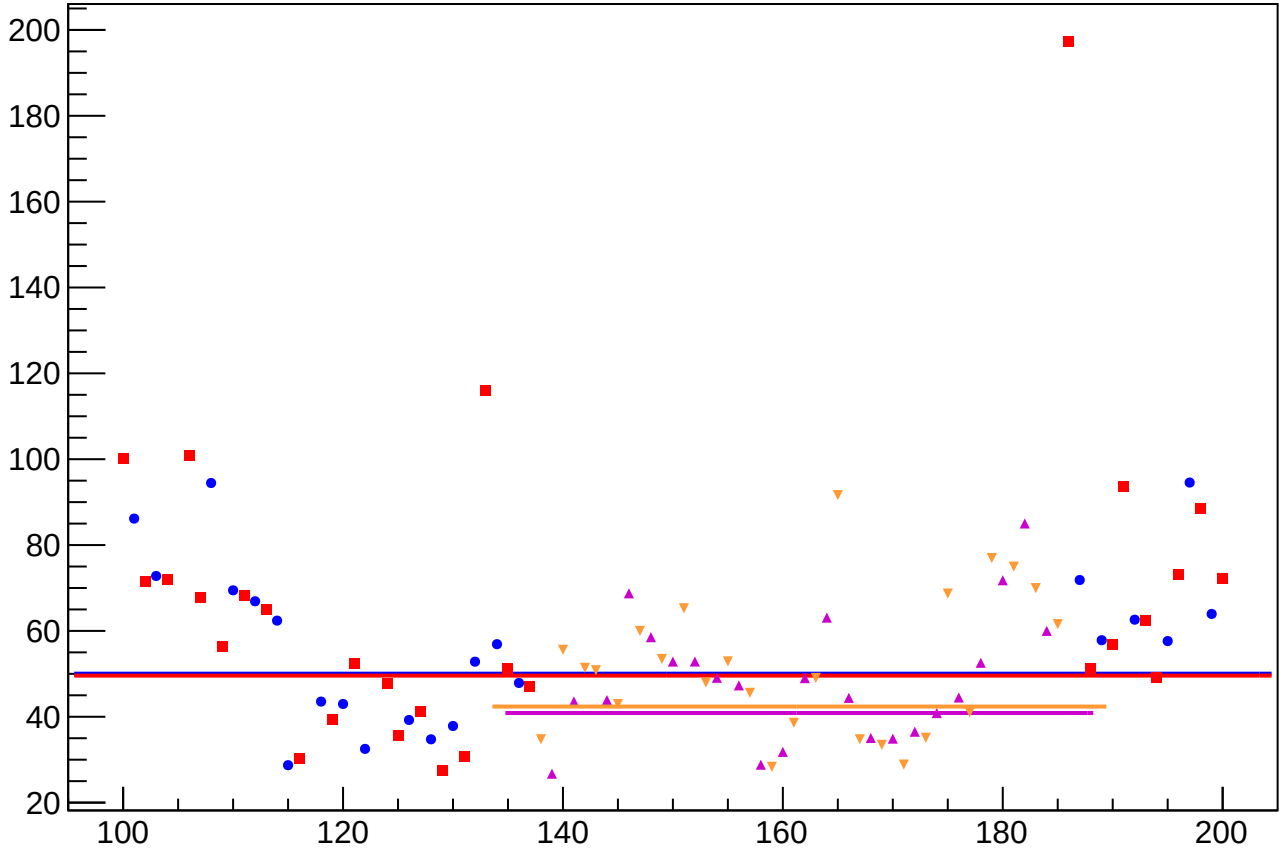
Right: 0.000+/-0.011 χ^2/NDF: 52.2/49

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.008+/-0.006 χ^2/NDF: 120.5/97

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

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

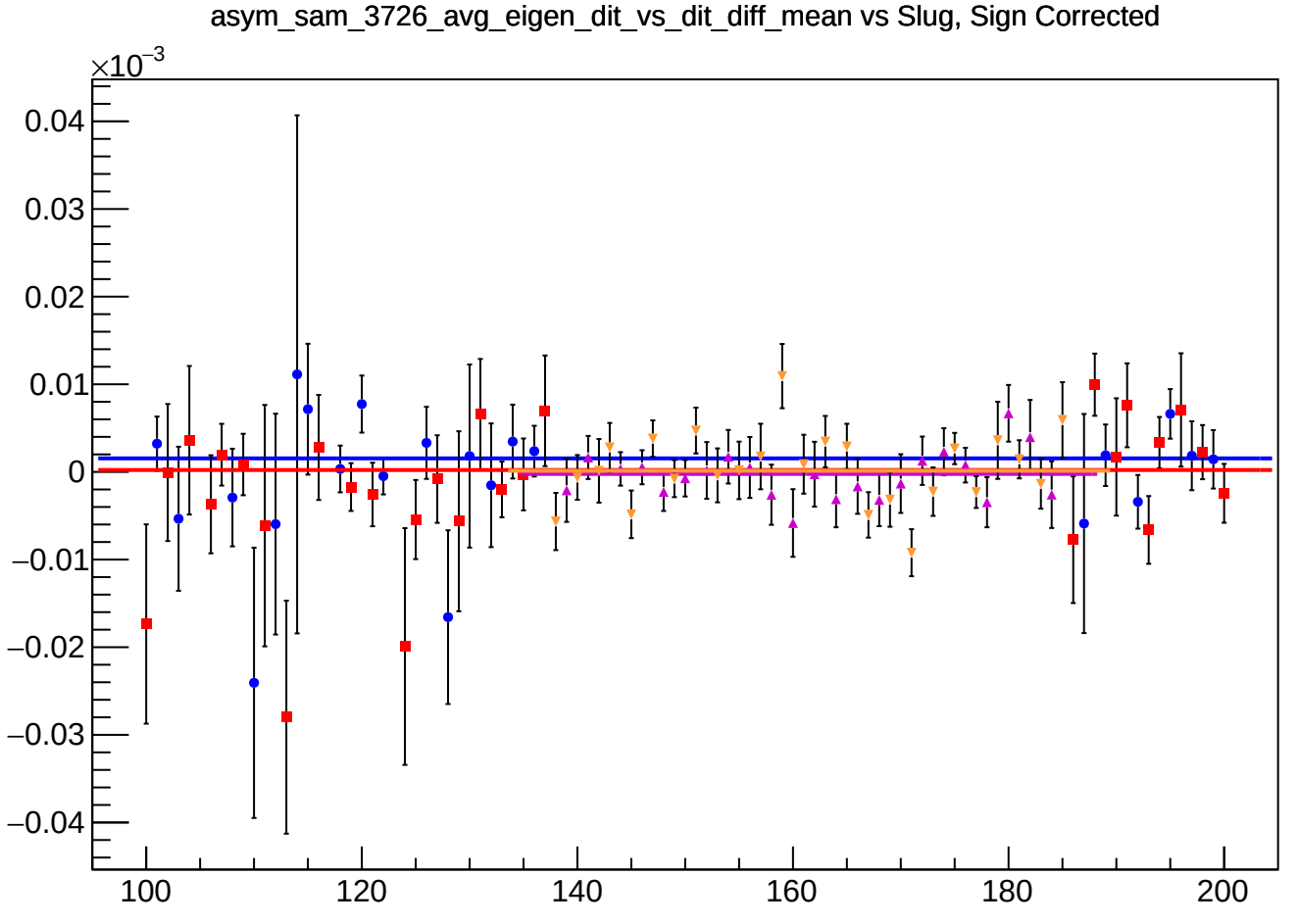
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.798+/-0.008 χ^2/NDF: 5118923.9/49

In: 43.568+/-0.006 χ^2/NDF:5099201.9/44

Out: 44.732+/-0.006 χ^2/NDF:6671396.3/52

All: 44.160+/-0.004 χ^2/NDF: 11789073.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/21

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

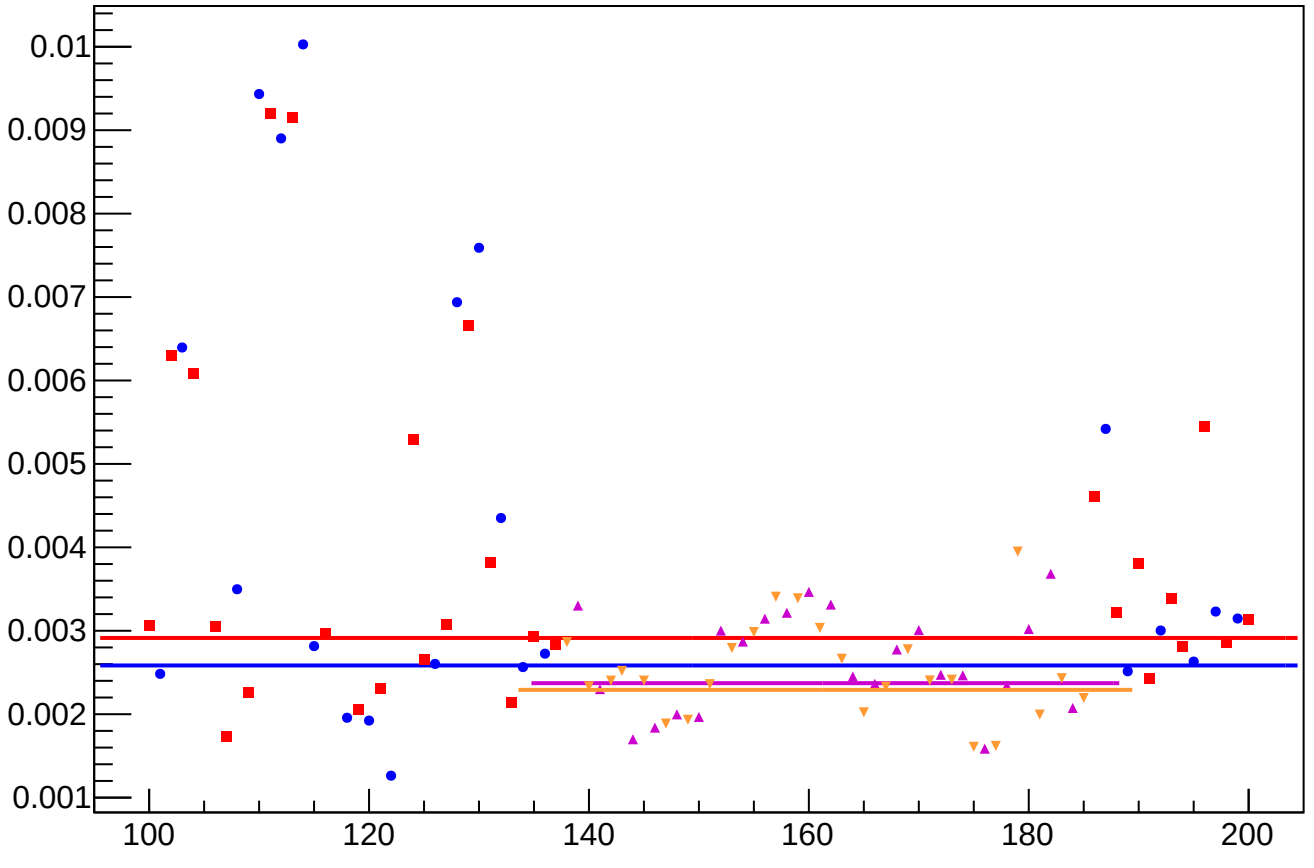
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 55.4/49

In: 0.000+/-0.000 χ^2/NDF:39.2/44

Out: 0.000+/-0.000 χ^2/NDF:83.7/52

All: 0.000+/-0.000 χ^2/NDF: 123.1/97



Right In: 0.003+/-0.000 χ^2/NDF: 3737160.2/21

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

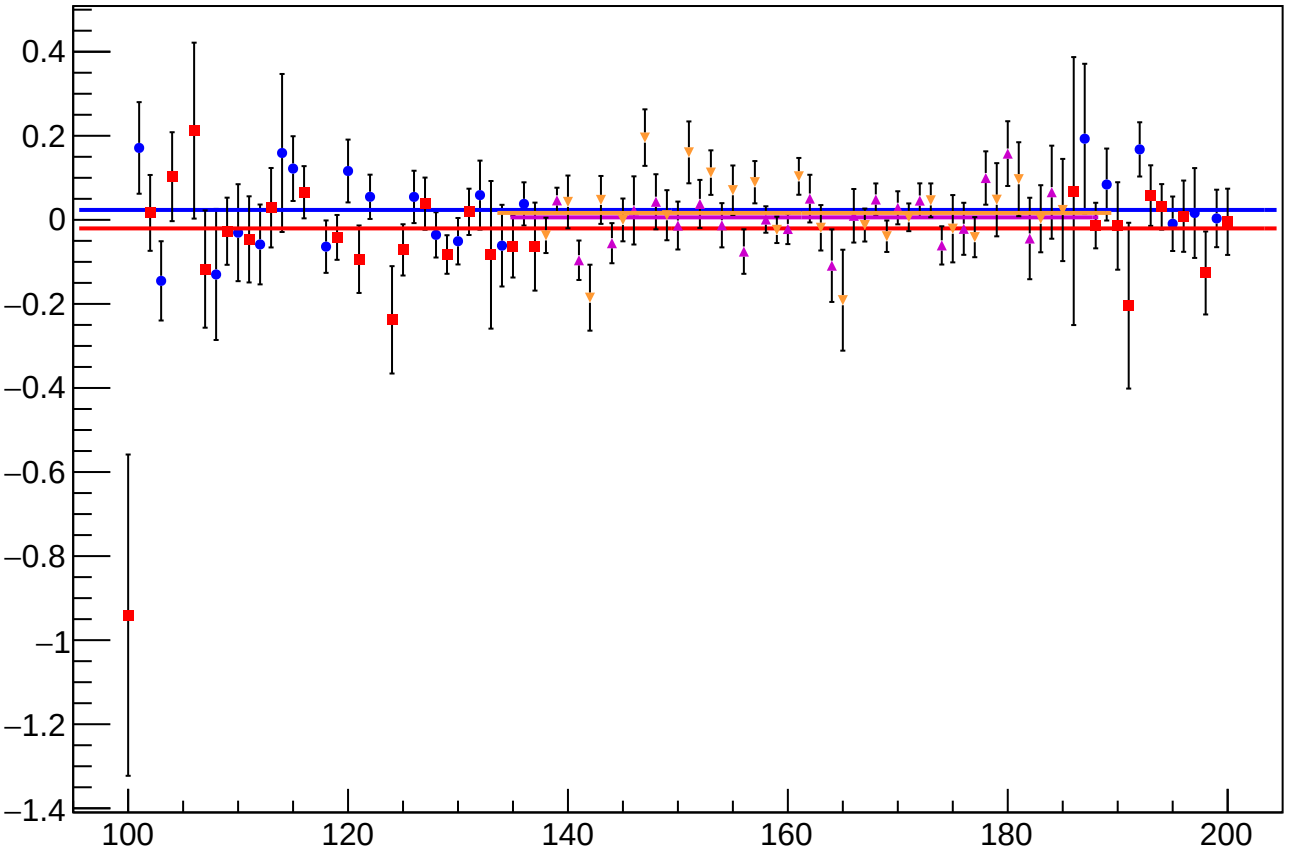
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6978305.5/49

In: 0.002+/-0.000 χ^2/NDF:5843290.9/44

Out: 0.002+/-0.000 χ^2/NDF:5666888.5/52

All: 0.002+/-0.000 χ^2/NDF: 11513683.8/97



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

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

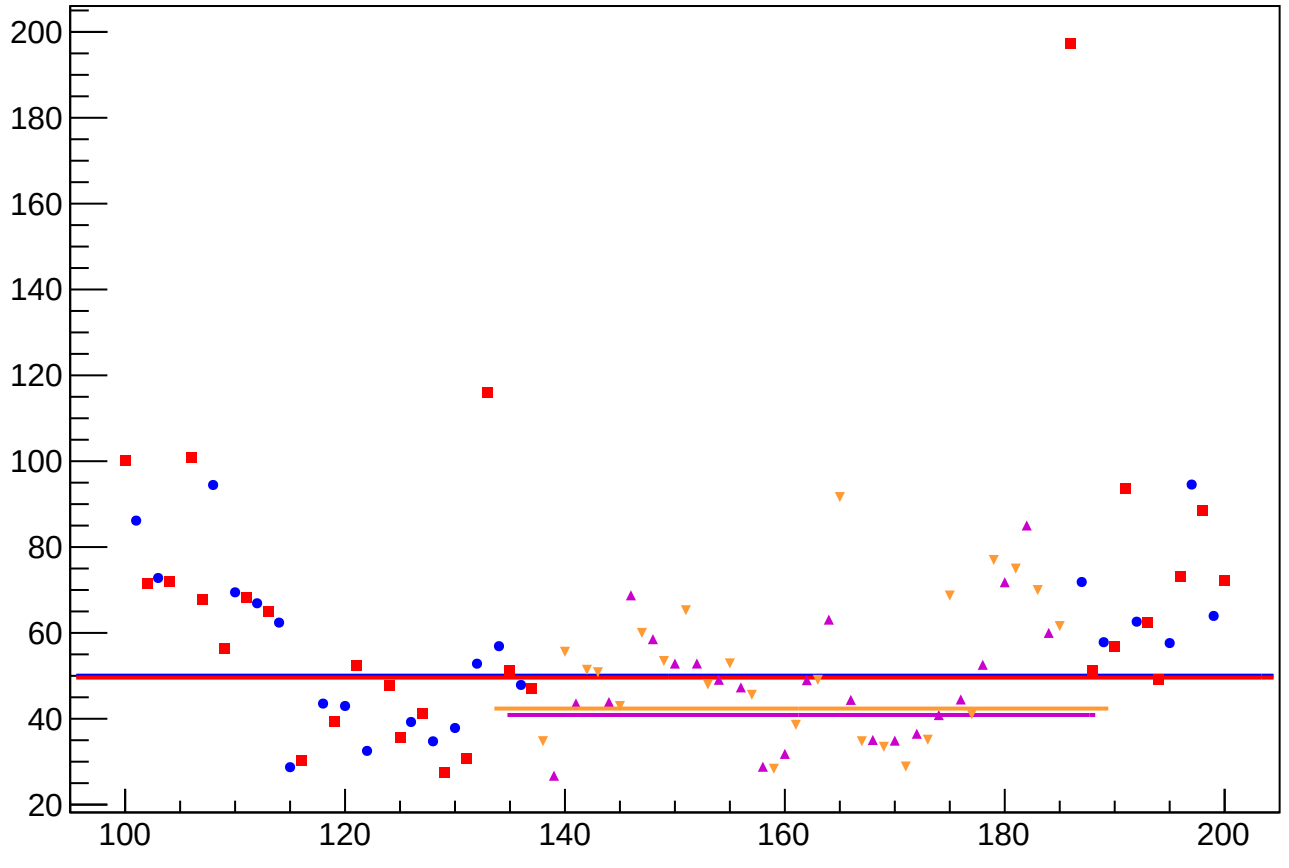
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/49

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.008+/-0.006 χ^2/NDF: 120.5/97



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

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

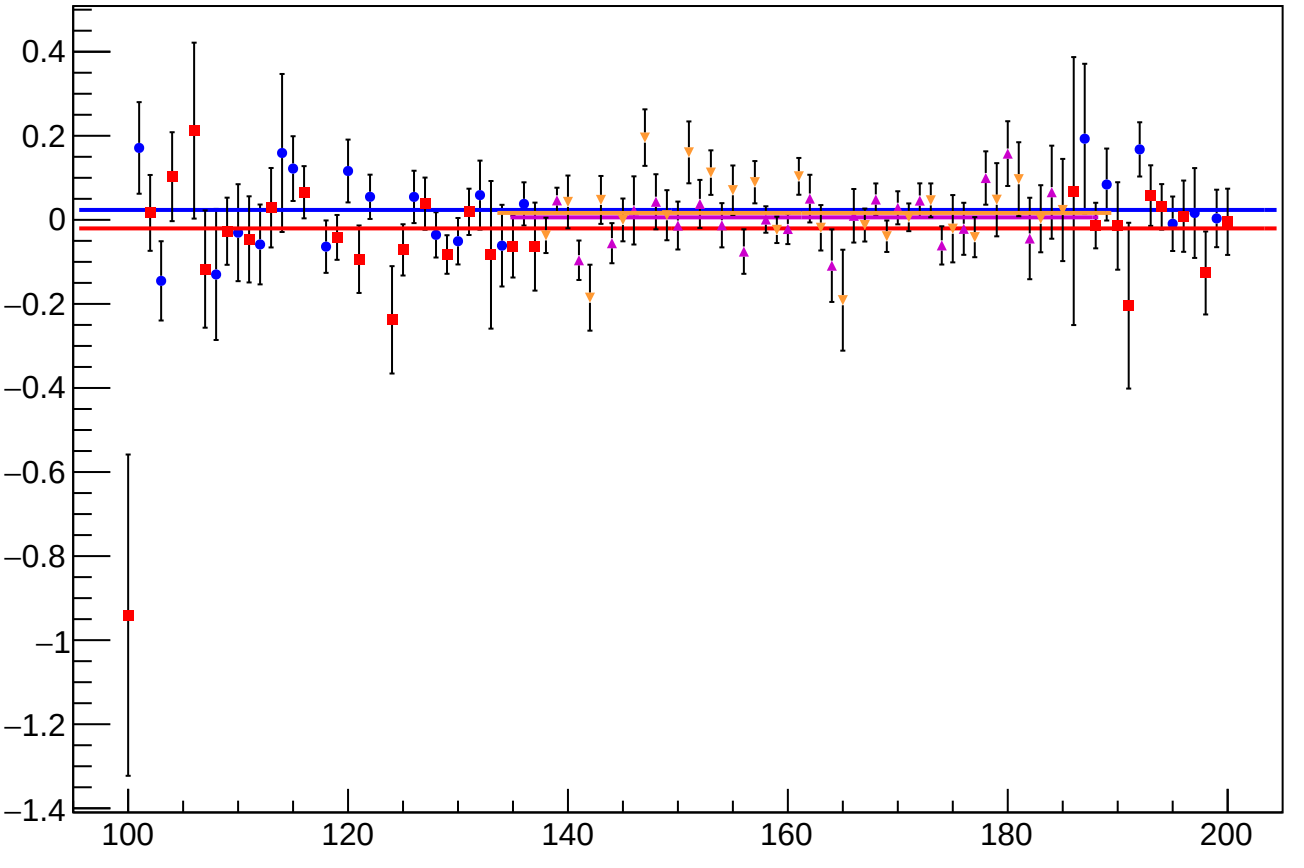
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 49.799+/-0.008 χ^2/NDF: 5118753.8/49

In: 43.568+/-0.006 χ^2/NDF:5099128.2/44

Out: 44.732+/-0.006 χ^2/NDF:6671303.4/52

All: 44.160+/-0.004 χ^2/NDF: 11788907.3/97



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

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

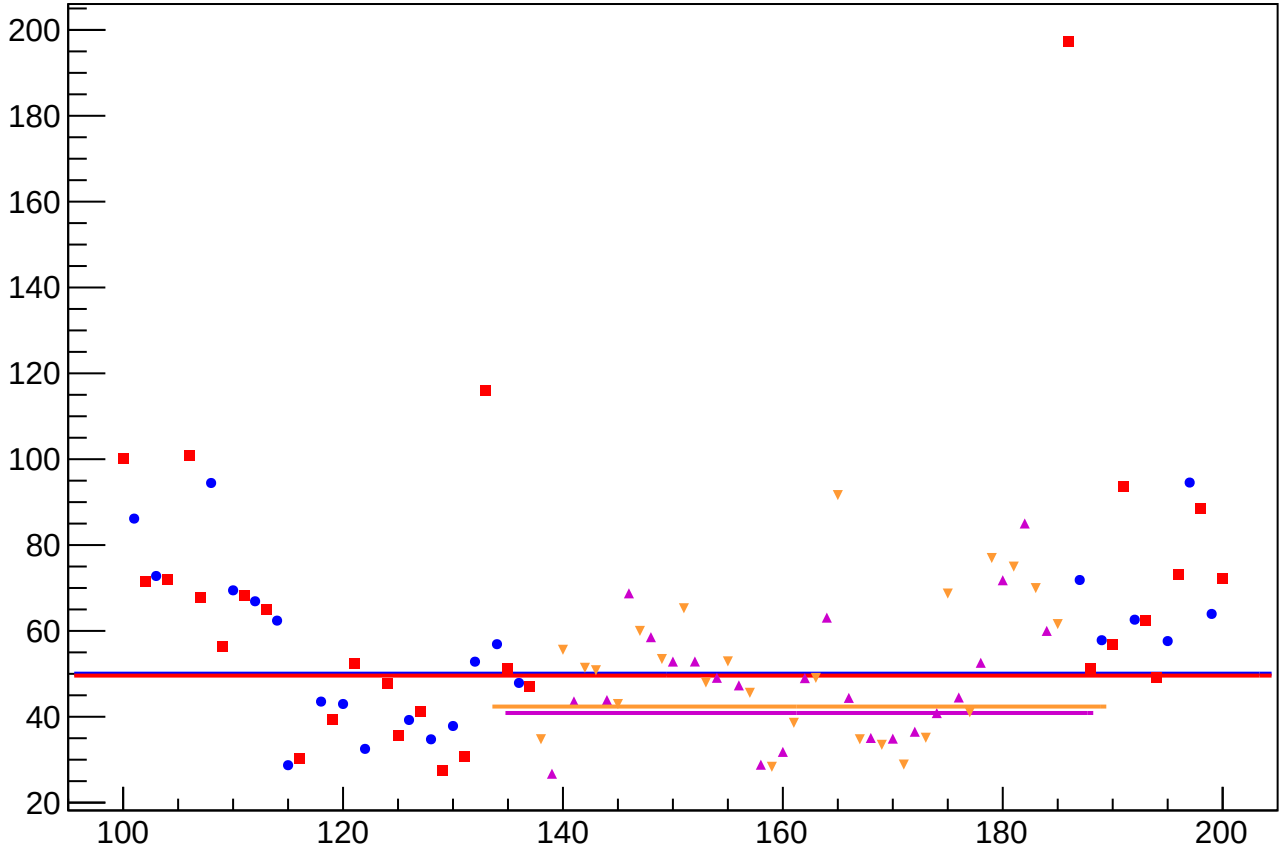
Right: 0.000+/-0.011 χ^2/NDF: 52.2/49

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.004+/-0.008 χ^2/NDF:69.3/52

All: 0.008+/-0.006 χ^2/NDF: 120.5/97

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

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

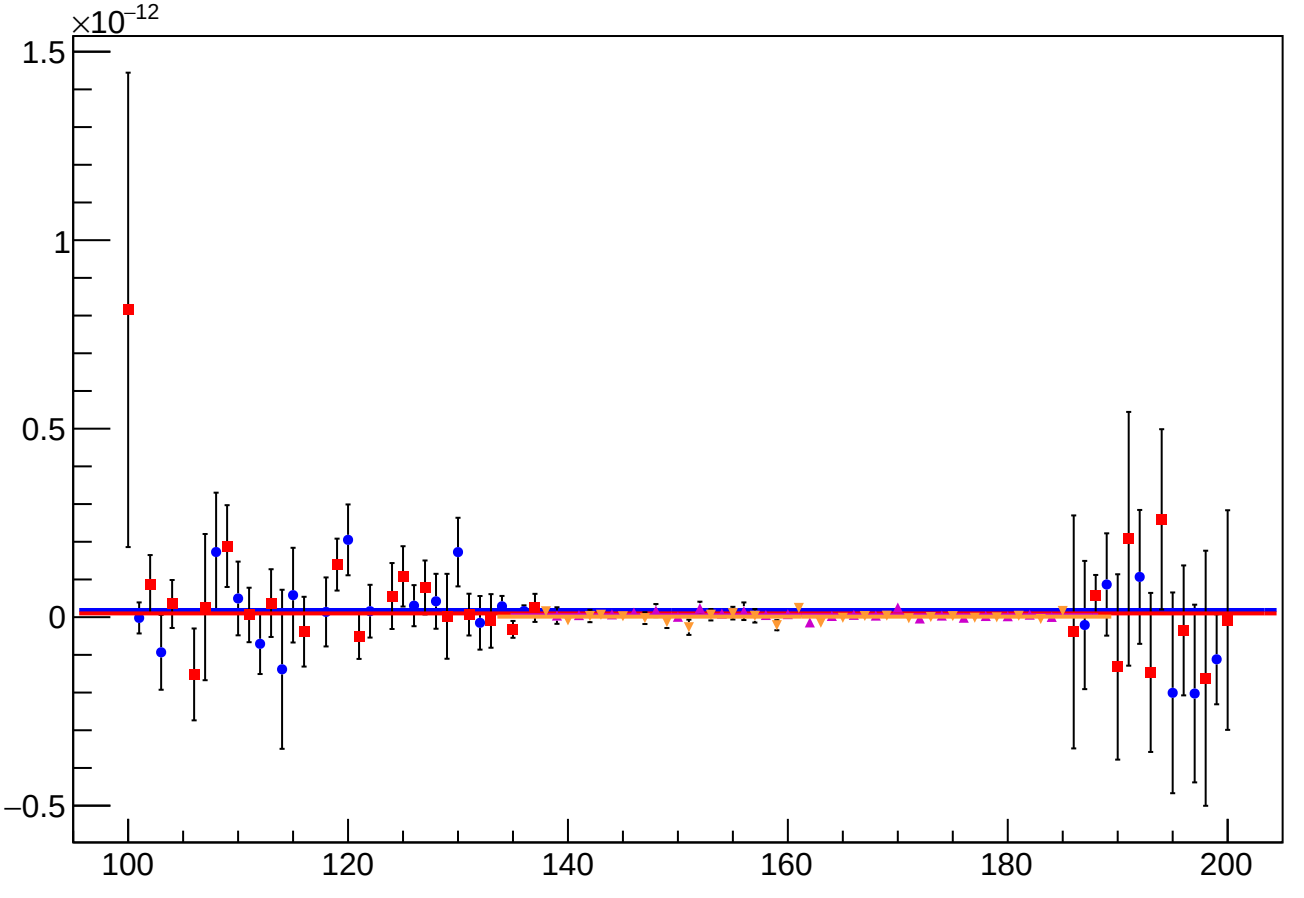
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 49.799+/-0.008 χ^2/NDF: 5118753.8/49

In: 43.568+/-0.006 χ^2/NDF:5099128.2/44

Out: 44.732+/-0.006 χ^2/NDF:6671303.4/52

All: 44.160+/-0.004 χ^2/NDF: 11788907.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/21

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

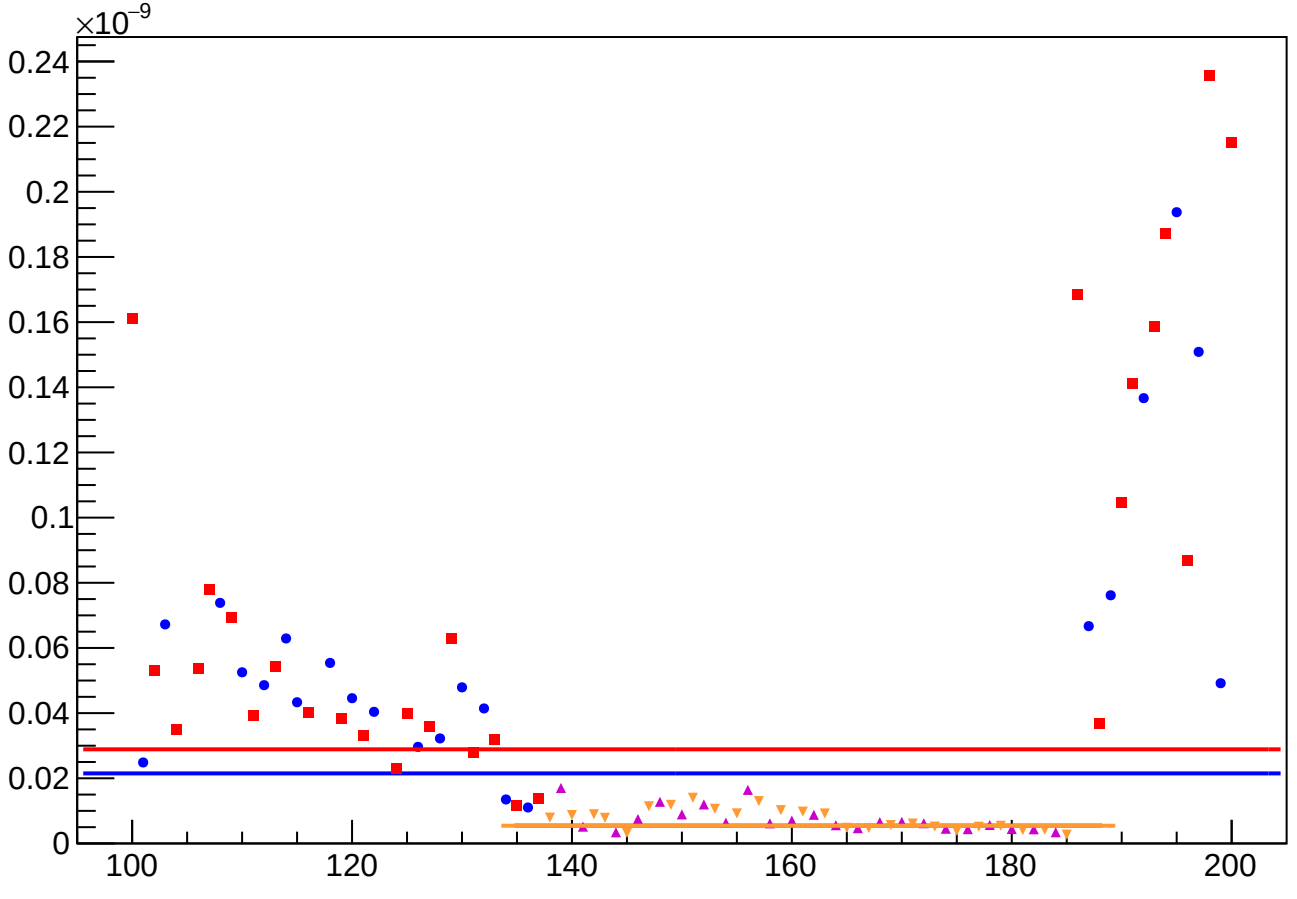
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 37.6/49

In: 0.000+/-0.000 χ^2/NDF:29.8/44

Out: 0.000+/-0.000 χ^2/NDF:42.3/52

All: 0.000+/-0.000 χ^2/NDF: 74.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 6150448.8/21

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

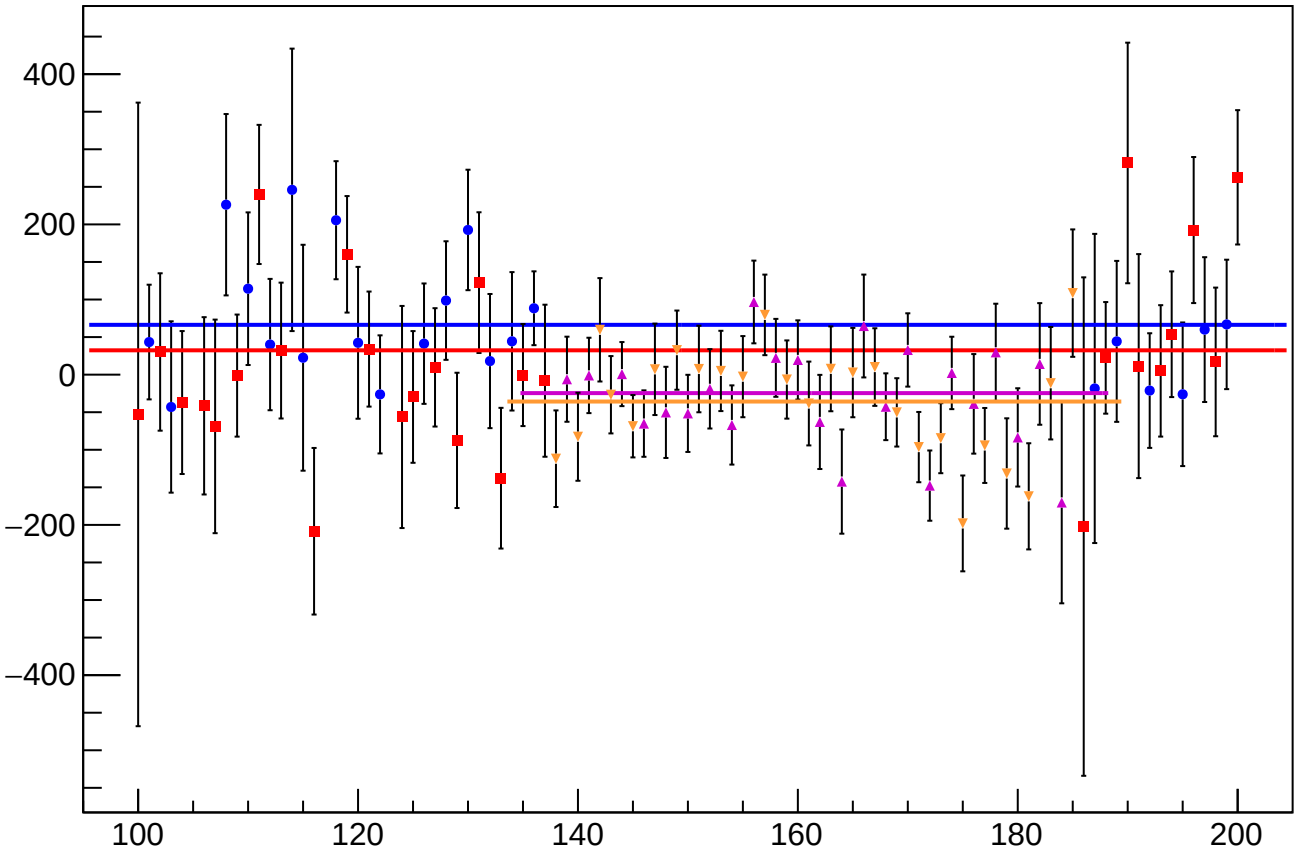
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13635723.1/49

In: 0.000+/-0.000 χ^2/NDF:13064823.6/44

Out: 0.000+/-0.000 χ^2/NDF:17155151.2/52

All: 0.000+/-0.000 χ^2/NDF: 30220634.0/97



Right In: 66.308+/-18.888 χ^2/NDF: 14.4/21

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

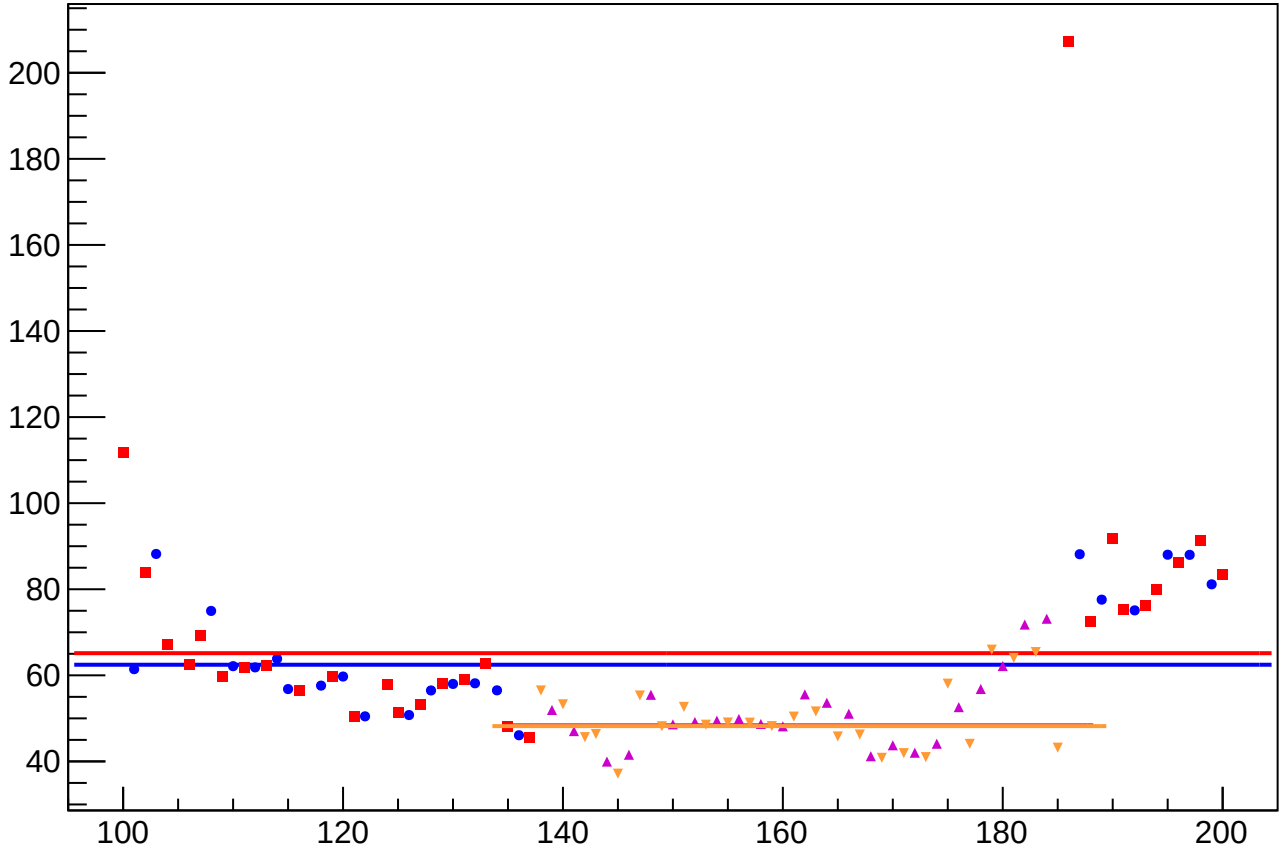
Right: 48.712+/-13.104 χ^2/NDF: 50.0/49

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -17.248+/-9.488 χ^2/NDF:77.9/52

All: -8.948+/-6.818 χ^2/NDF: 136.5/97

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.461+/-0.013 χ^2/NDF: 981263.5/21

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

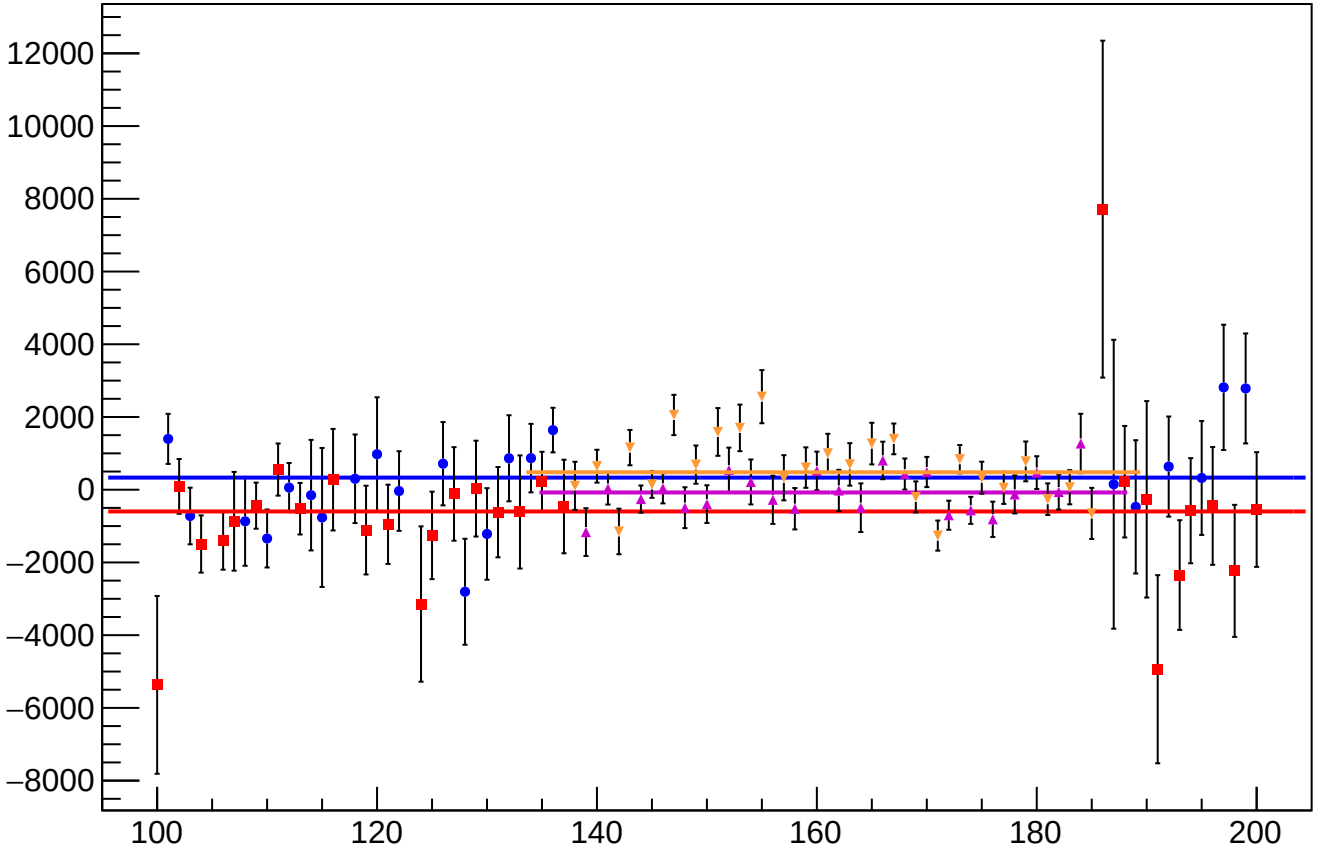
Right: 63.854+/-0.009 χ^2/NDF: 2388815.1/49

In: 52.174+/-0.007 χ^2/NDF:2488591.5/44

Out: 52.807+/-0.007 χ^2/NDF:3430252.9/52

All: 52.501+/-0.005 χ^2/NDF: 5923141.7/97

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 333.044+/-227.885 χ^2/NDF: 26.8/21

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

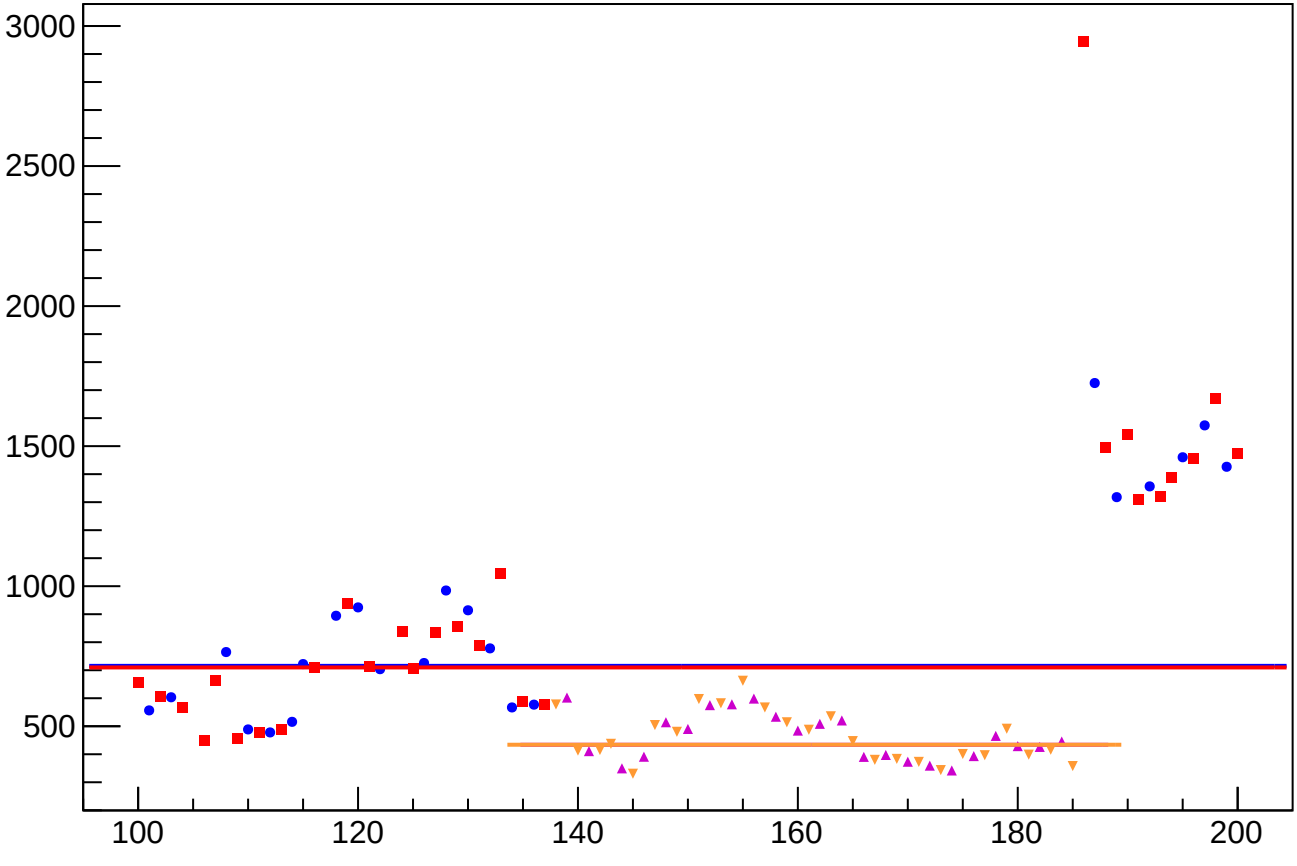
Right: -165.071+/-155.446 χ^2/NDF: 57.6/49

In: -6.188+/-93.955 χ^2/NDF:53.9/44

Out: 283.074+/-90.877 χ^2/NDF:112.2/52

All: 143.259+/-65.321 χ^2/NDF: 171.0/97

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 715.533+/-0.161 χ^2/NDF: 3119502.2/21

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

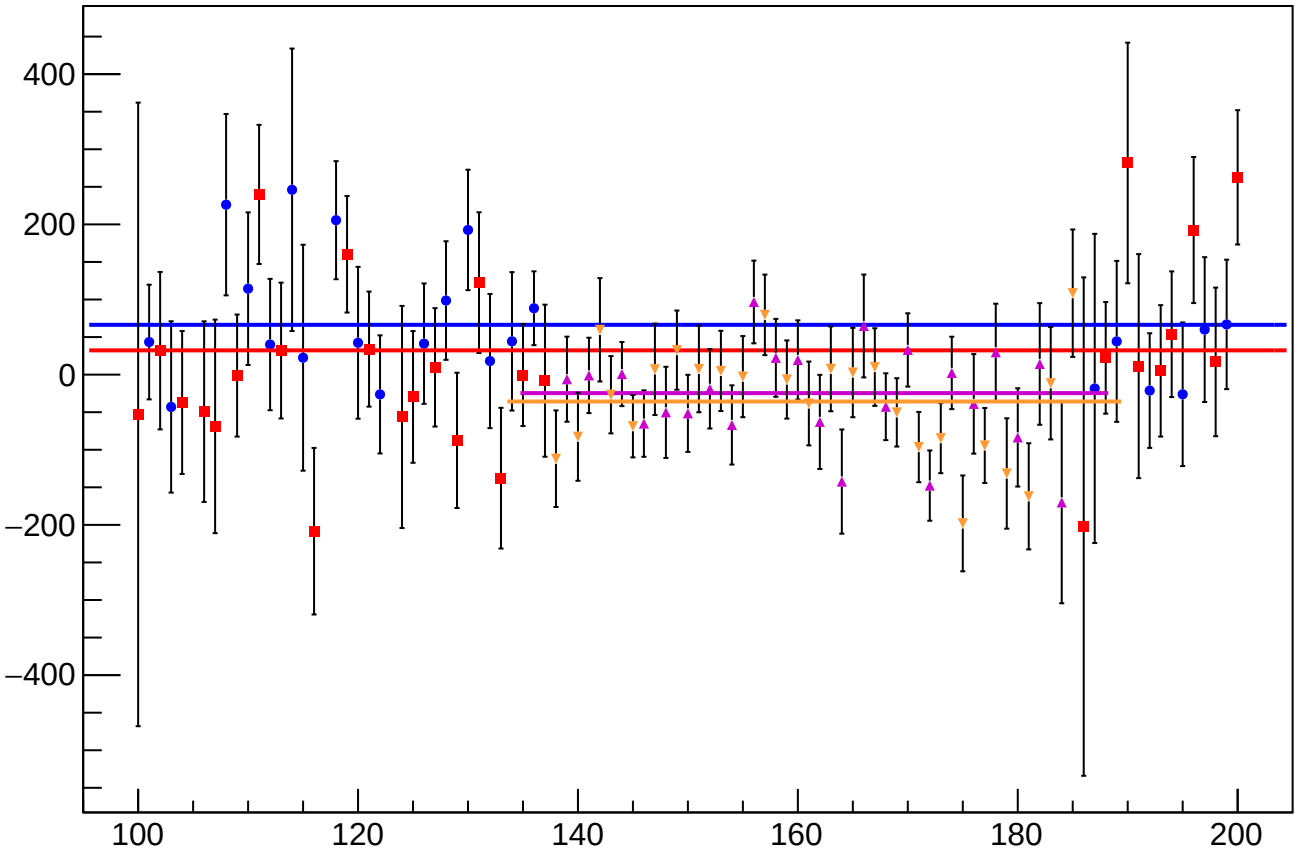
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 712.532+/-0.110 χ^2/NDF: 7964602.7/49

In: 481.625+/-0.066 χ^2/NDF:6752935.6/44

Out: 484.380+/-0.064 χ^2/NDF:8842882.6/52

All: 483.049+/-0.046 χ^2/NDF: 15596706.3/97



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

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

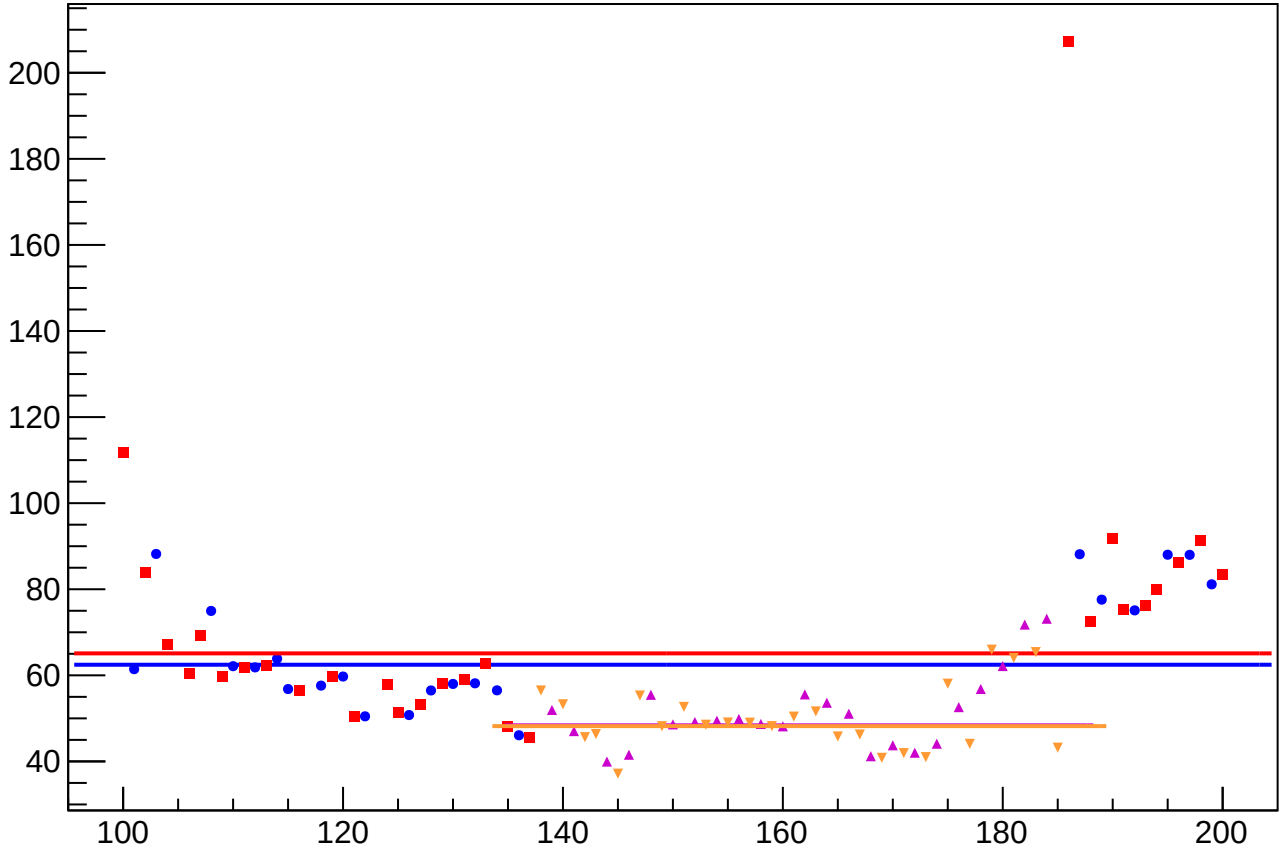
Right: 48.690+/-13.107 χ^2/NDF: 50.1/49

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -17.280+/-9.489 χ^2/NDF:77.9/52

All: -8.964+/-6.819 χ^2/NDF: 136.6/97

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

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

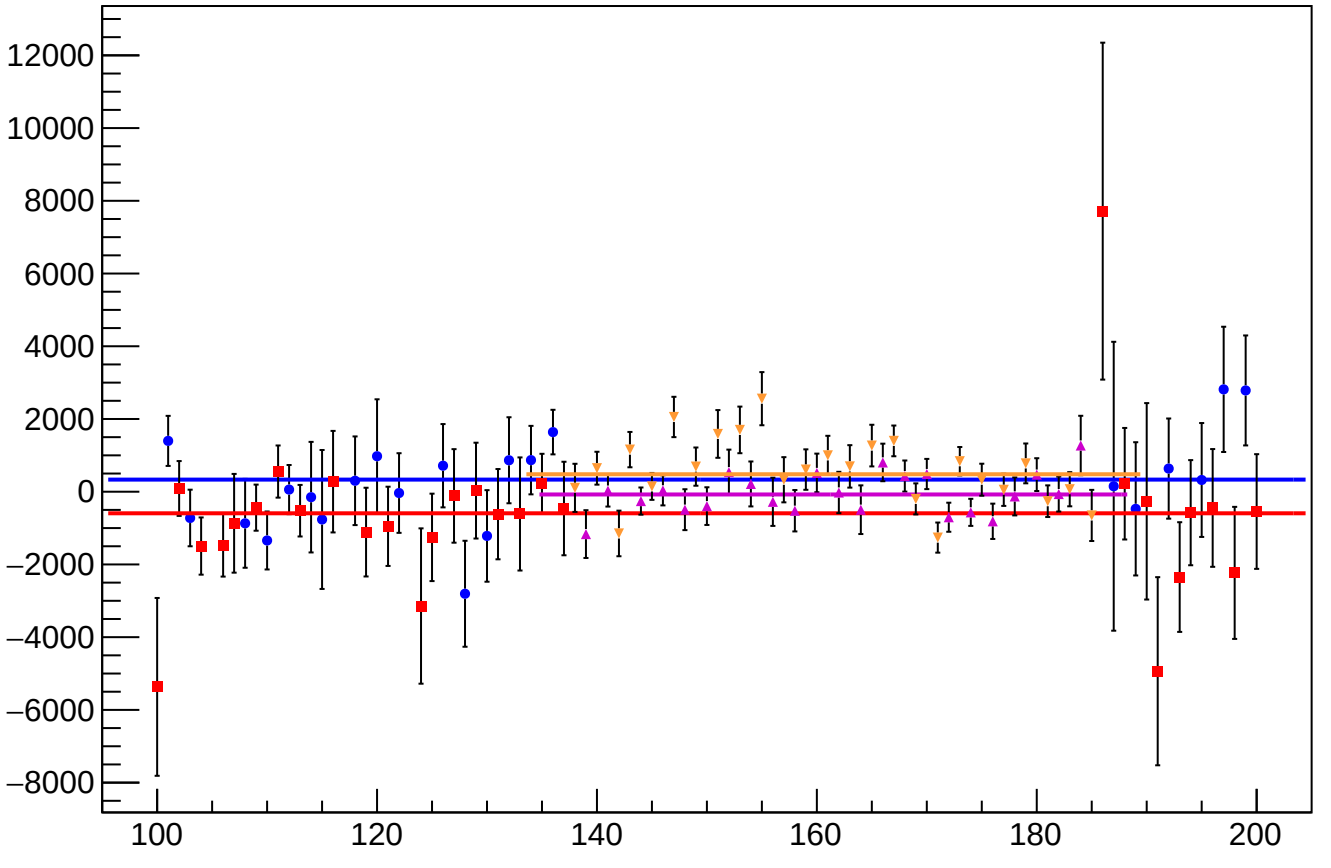
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.830+/-0.009 χ^2/NDF: 2390367.3/49

In: 52.174+/-0.007 χ^2/NDF:2488595.4/44

Out: 52.792+/-0.007 χ^2/NDF:3425142.6/52

All: 52.493+/-0.005 χ^2/NDF: 5917834.6/97



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

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

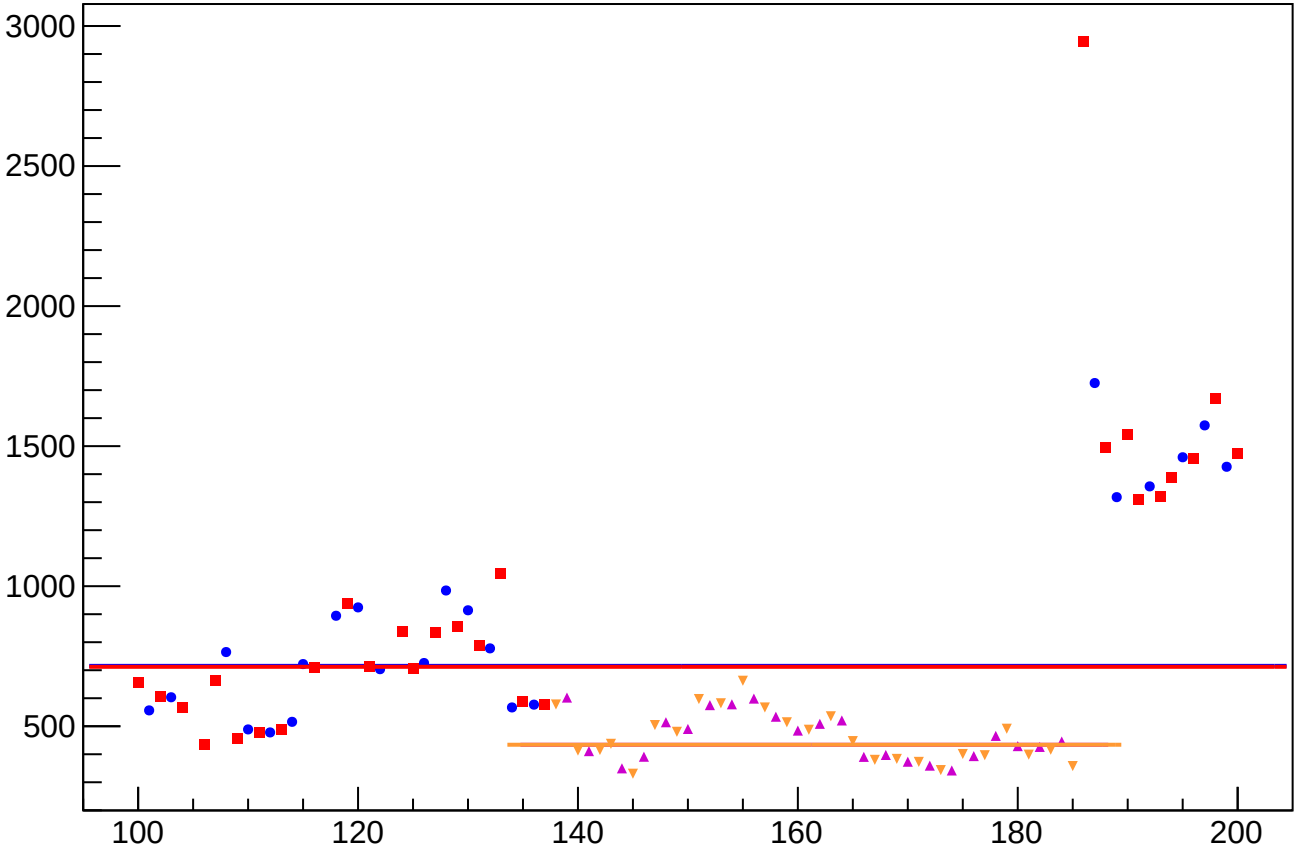
Right: -159.612+/-155.928 χ^2/NDF: 57.5/49

In: -6.185+/-93.955 χ^2/NDF:53.9/44

Out: 285.870+/-90.973 χ^2/NDF:111.8/52

All: 144.551+/-65.356 χ^2/NDF: 170.7/97

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

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

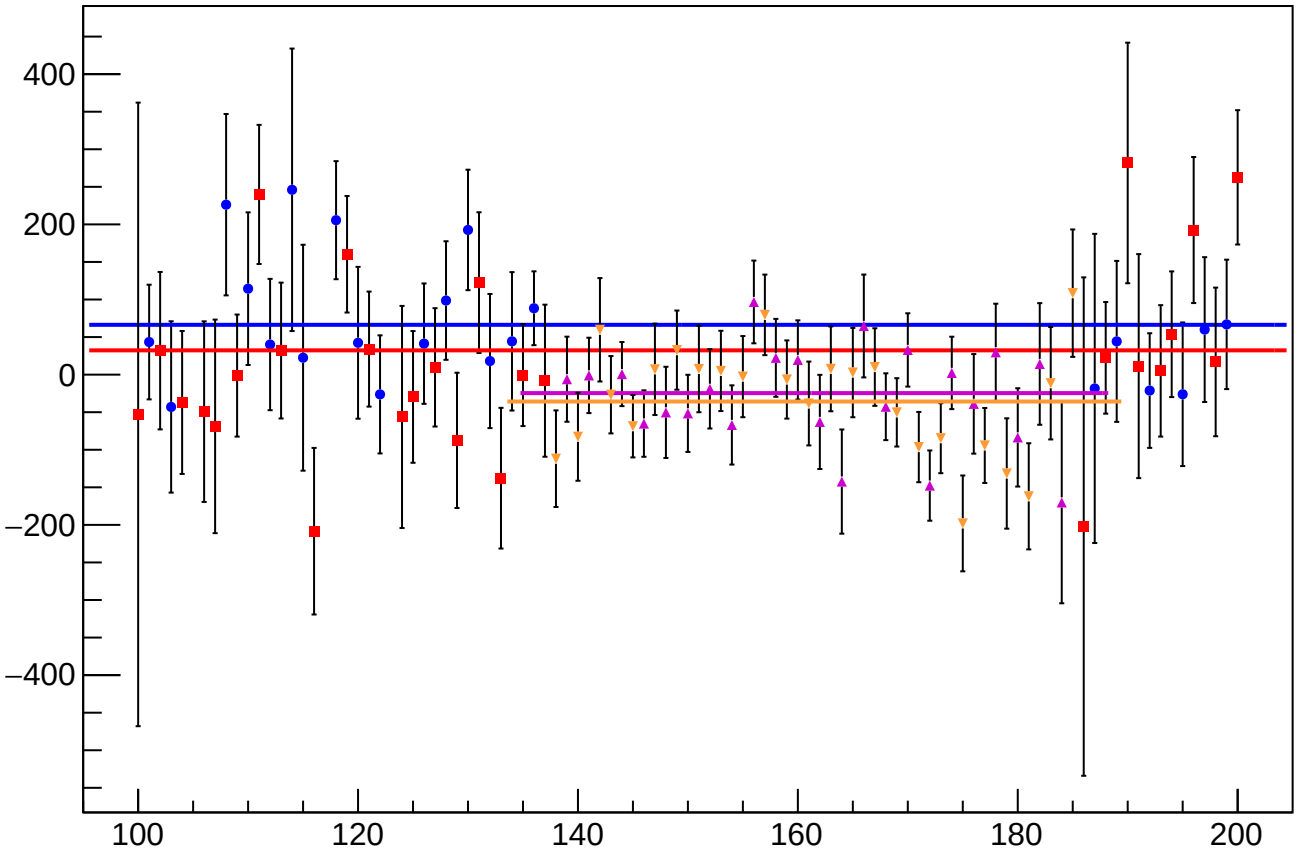
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 713.753+/-0.110 χ^2/NDF: 7947877.4/49

In: 481.626+/-0.066 χ^2/NDF:6752961.1/44

Out: 484.313+/-0.064 χ^2/NDF:8845481.6/52

All: 483.013+/-0.046 χ^2/NDF: 15599286.9/97



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

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

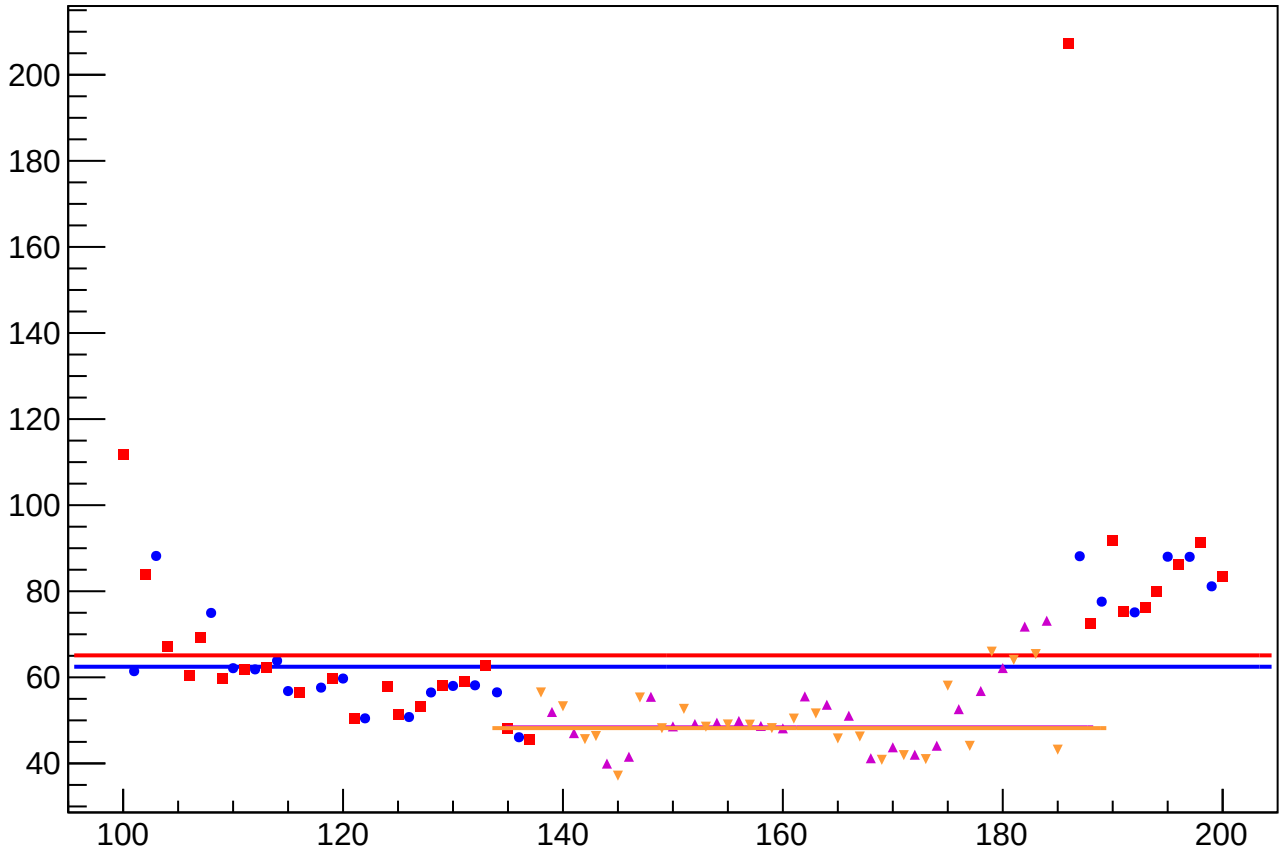
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 48.690+/-13.107 χ^2/NDF: 50.1/49

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -17.280+/-9.489 χ^2/NDF:77.9/52

All: -8.964+/-6.819 χ^2/NDF: 136.6/97



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

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

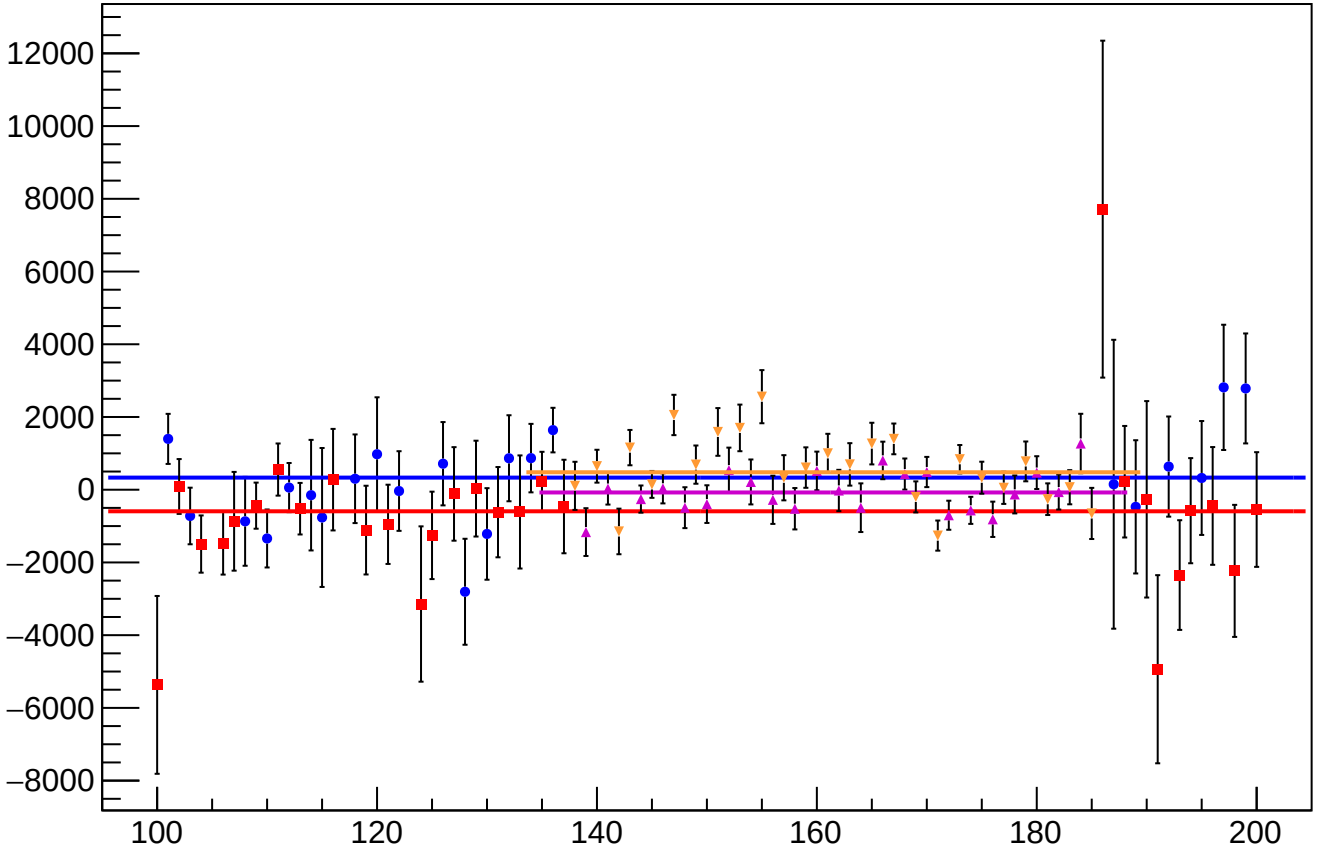
Right: 63.830+/-0.009 χ^2/NDF: 2390367.3/49

In: 52.174+/-0.007 χ^2/NDF:2488595.4/44

Out: 52.792+/-0.007 χ^2/NDF:3425142.6/52

All: 52.493+/-0.005 χ^2/NDF: 5917834.6/97

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

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

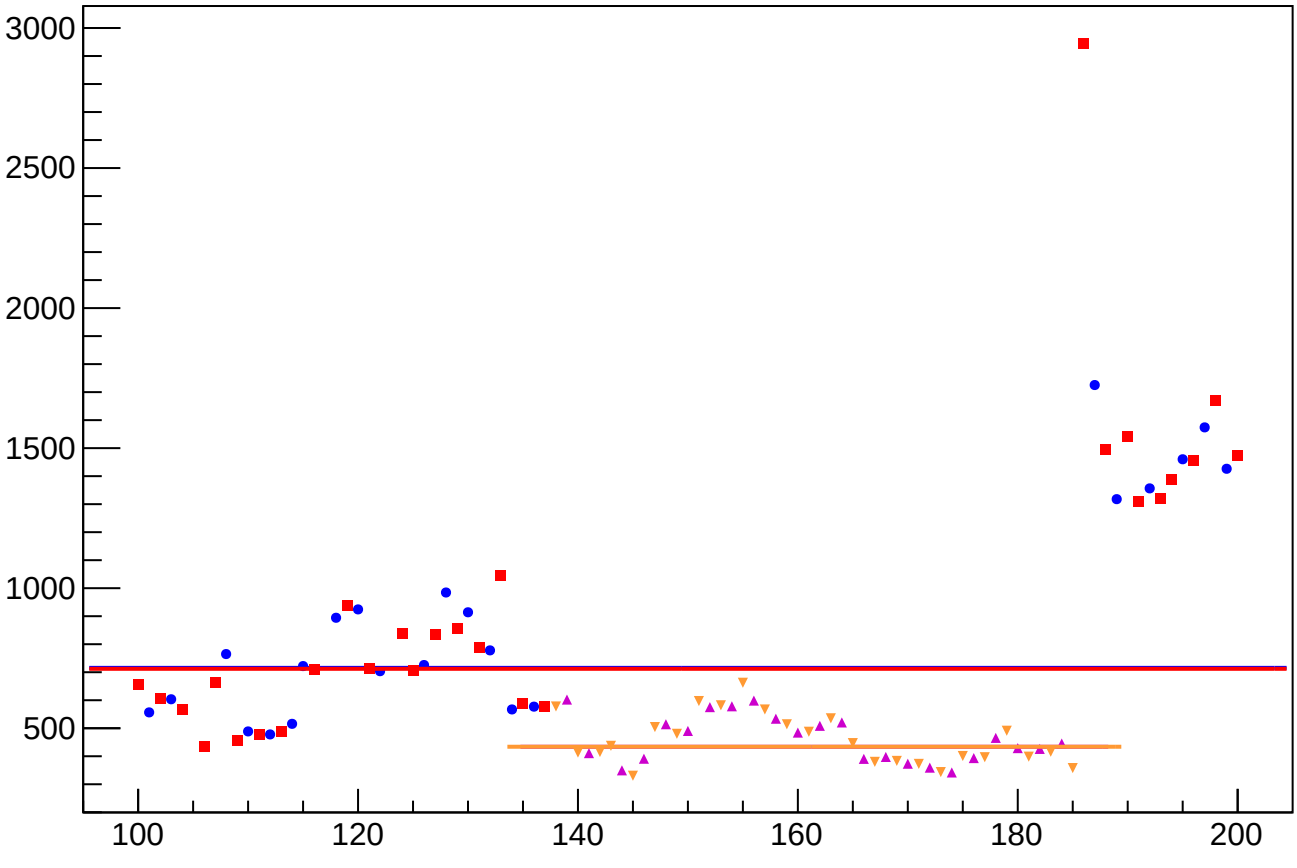
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -159.612+/-155.928 χ^2/NDF: 57.5/49

In: -6.185+/-93.955 χ^2/NDF:53.9/44

Out: 285.870+/-90.973 χ^2/NDF:111.8/52

All: 144.551+/-65.356 χ^2/NDF: 170.7/97



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

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

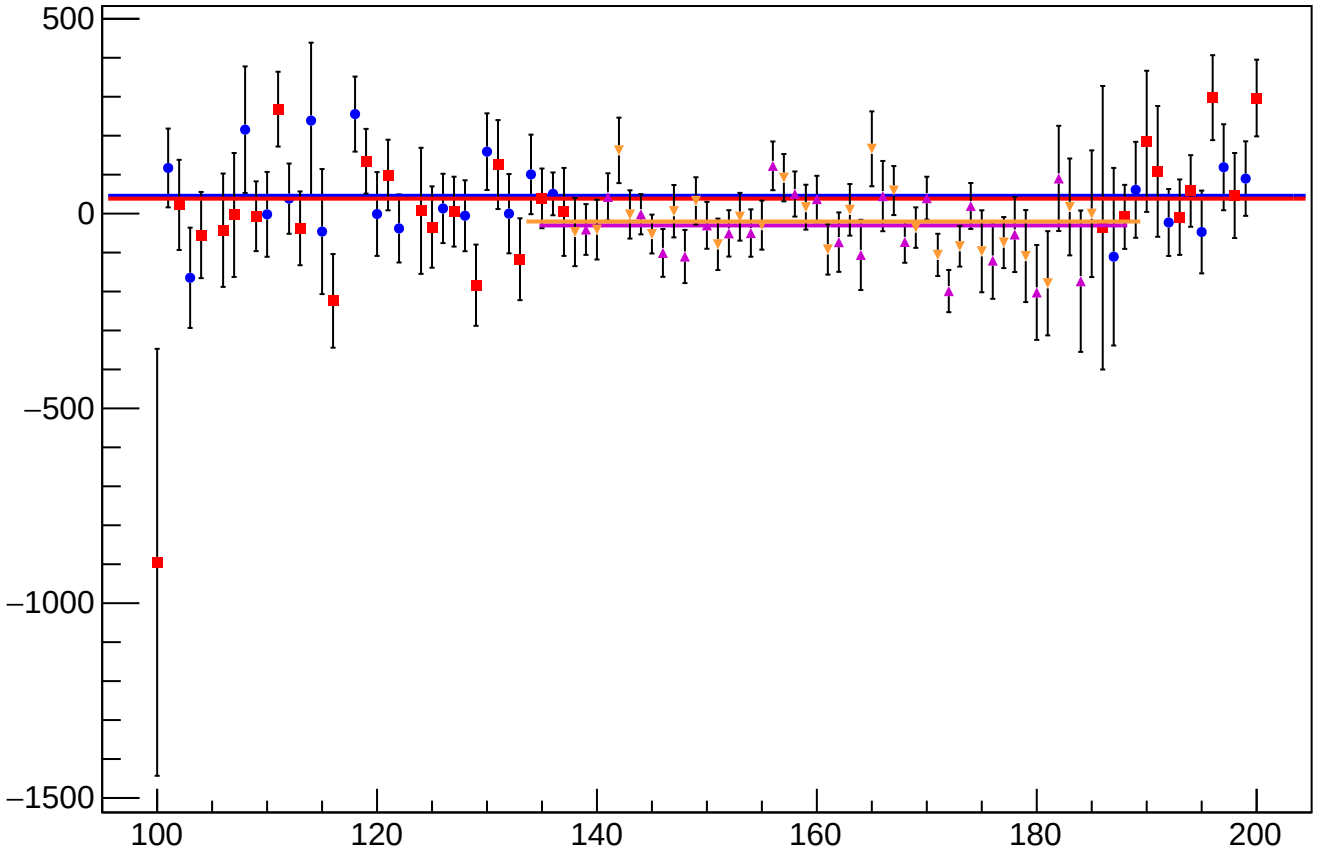
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 713.753+/-0.110 χ^2/NDF: 7947877.4/49

In: 481.626+/-0.066 χ^2/NDF:6752961.1/44

Out: 484.313+/-0.064 χ^2/NDF:8845481.6/52

All: 483.013+/-0.046 χ^2/NDF: 15599286.9/97



Right In: 45.676+/-21.478 χ^2/NDF: 16.4/21

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

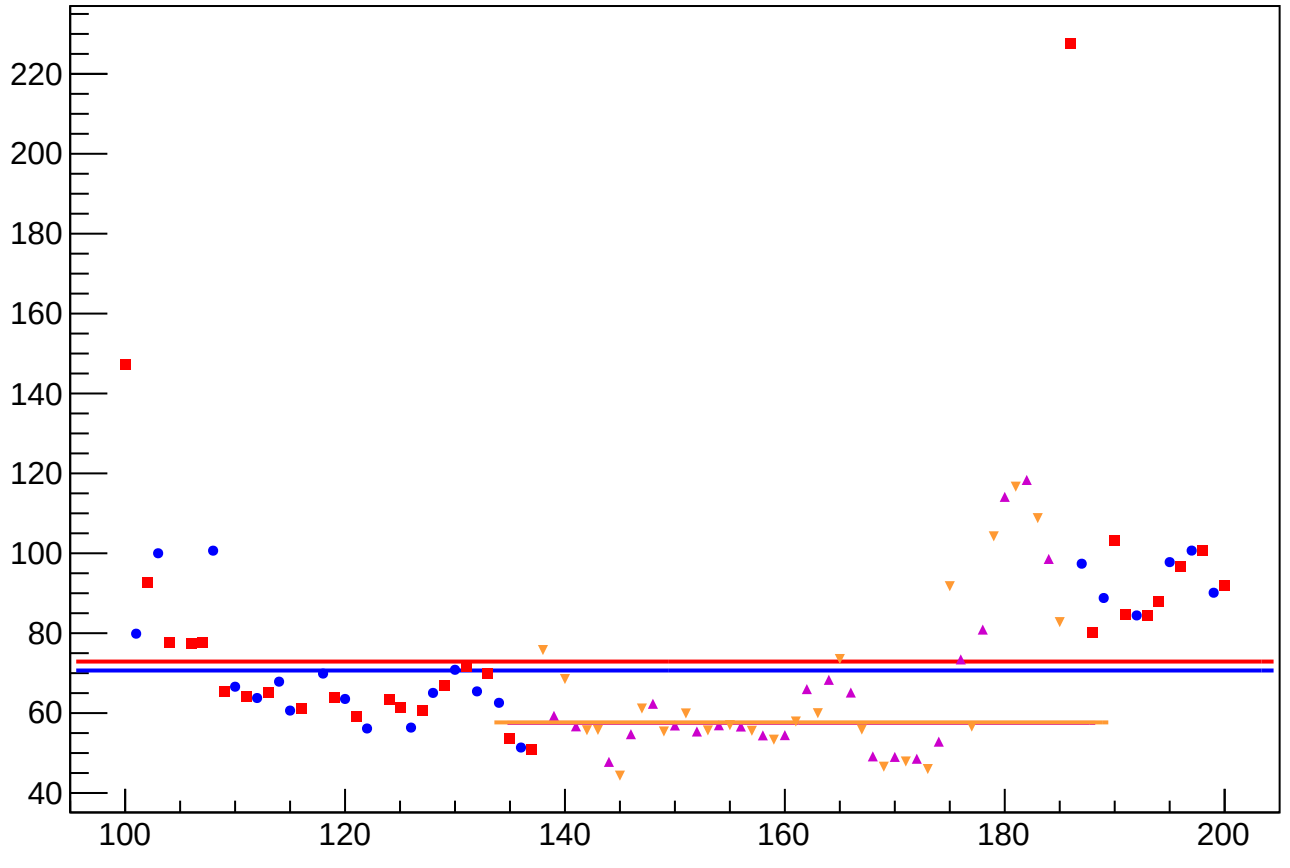
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 41.843+/-14.783 χ^2/NDF: 55.7/49

In: -7.706+/-11.716 χ^2/NDF:57.8/44

Out: -2.125+/-11.333 χ^2/NDF:70.2/52

All: -4.823+/-8.146 χ^2/NDF: 128.0/97



Right In: 70.660+/-0.015 χ^2/NDF: 1082644.0/21

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

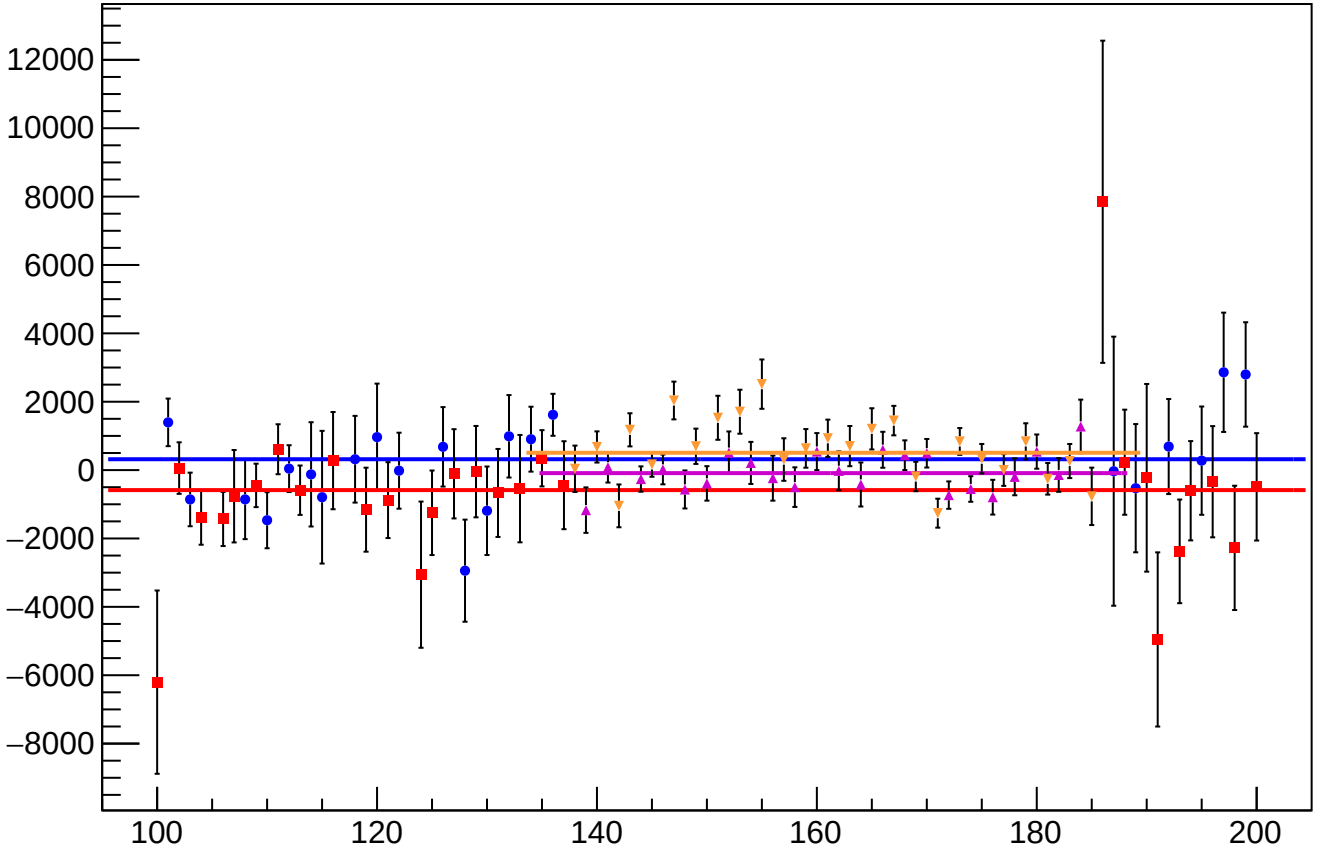
Right: 71.838+/-0.010 χ^2/NDF: 2432238.1/49

In: 61.443+/-0.008 χ^2/NDF:3050152.3/44

Out: 62.379+/-0.008 χ^2/NDF:4019611.8/52

All: 61.927+/-0.006 χ^2/NDF: 7076356.3/97

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

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

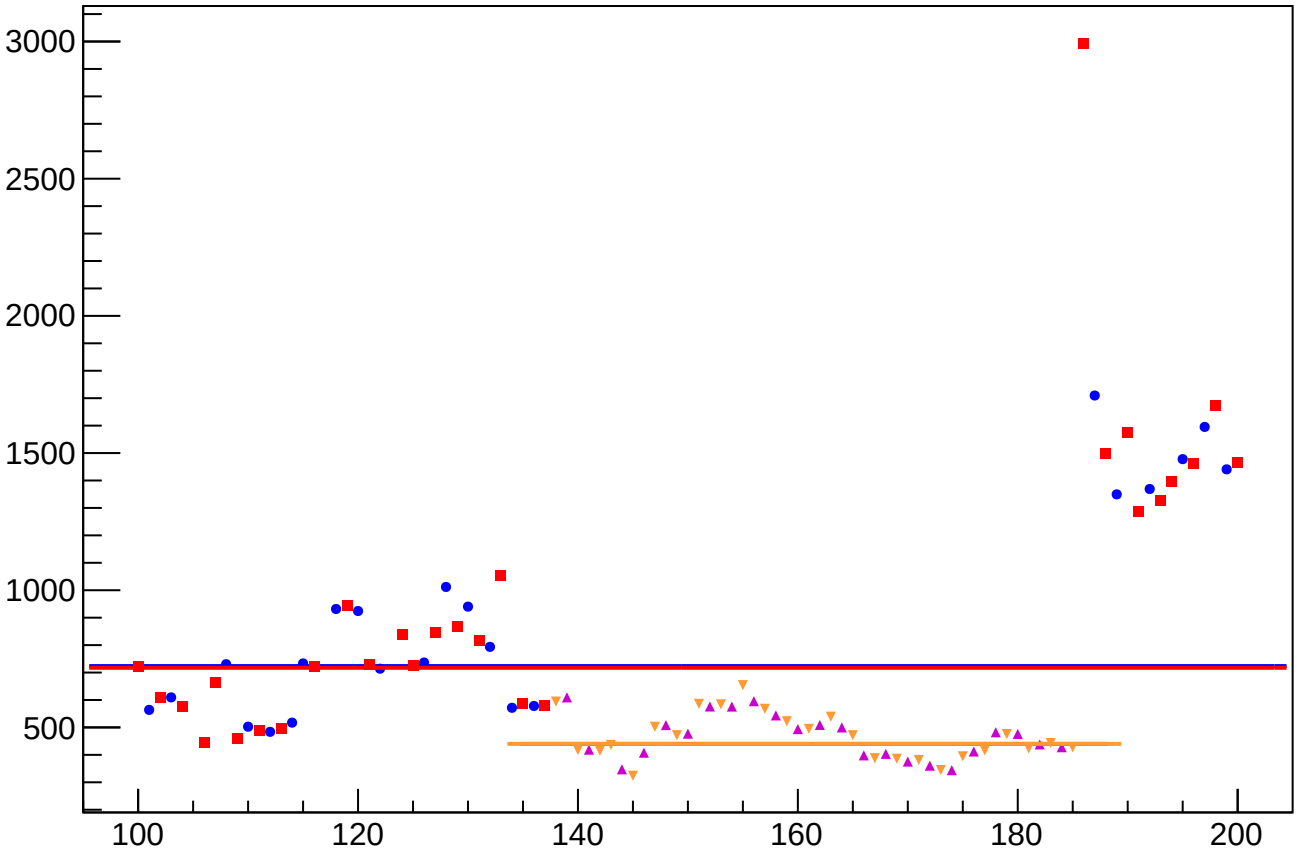
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -165.546+/-157.030 χ^2/NDF: 58.5/49

In: -19.107+/-95.196 χ^2/NDF:53.6/44

Out: 306.661+/-91.961 χ^2/NDF:109.6/52

All: 149.406+/-66.140 χ^2/NDF: 169.2/97



Right In: 723.531+/-0.163 χ^2/NDF: 3135644.2/21

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

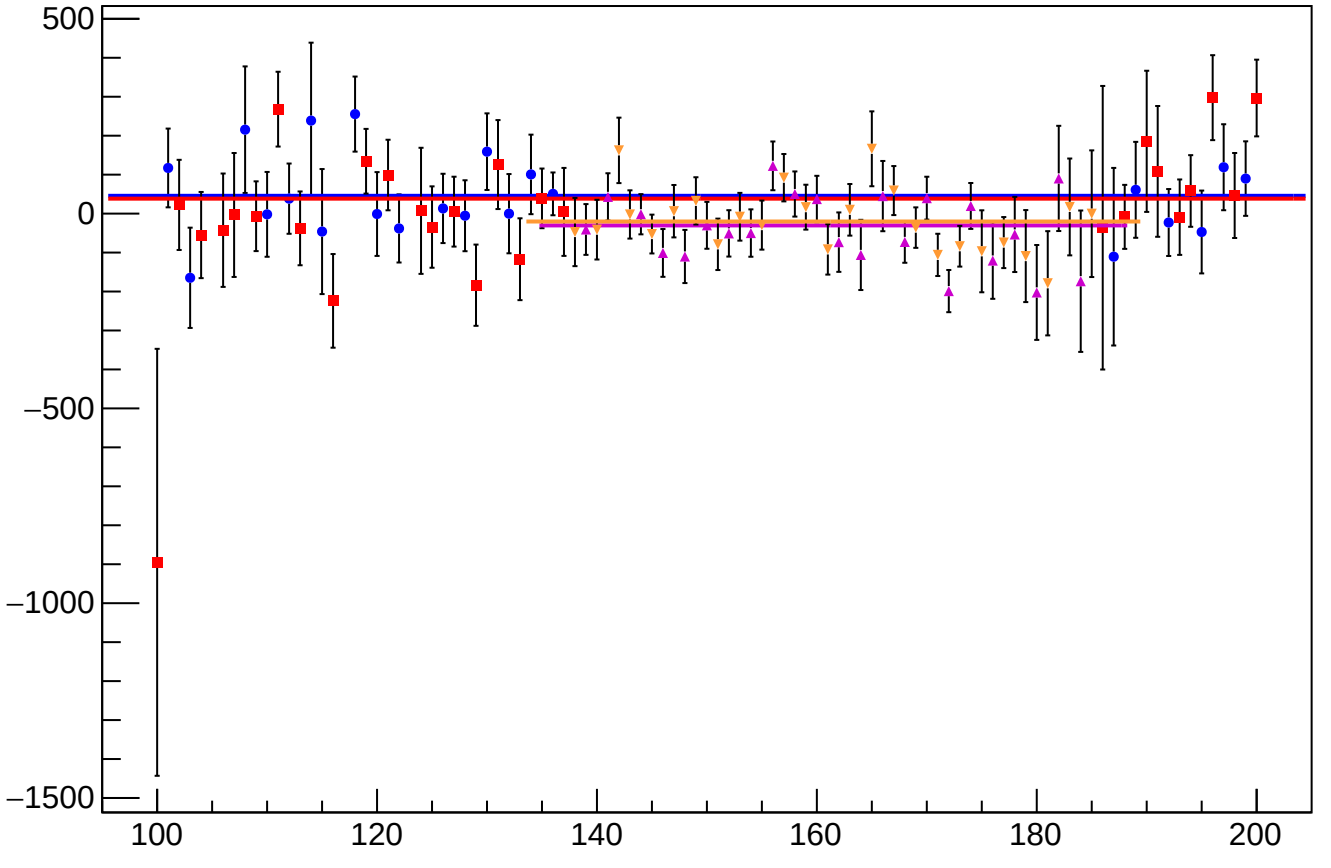
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 720.246+/-0.111 χ^2/NDF: 7959322.5/49

In: 488.324+/-0.067 χ^2/NDF:6712365.1/44

Out: 490.985+/-0.065 χ^2/NDF:8745835.4/52

All: 489.700+/-0.047 χ^2/NDF: 15459008.6/97



Right In: 45.675+/-21.478 χ^2/NDF: 16.4/21

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

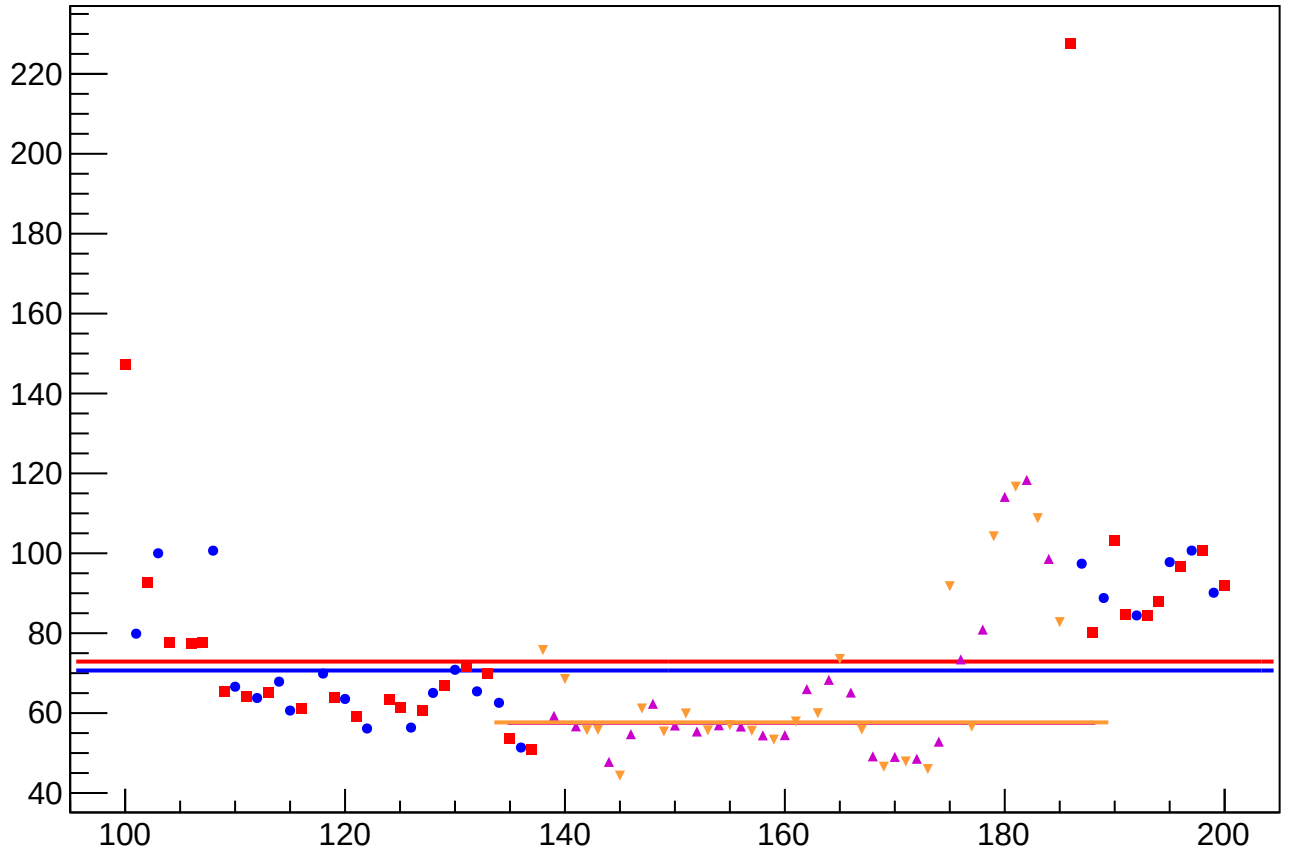
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.843+/-14.783 χ^2/NDF: 55.7/49

In: -7.707+/-11.716 χ^2/NDF:57.8/44

Out: -2.126+/-11.333 χ^2/NDF:70.2/52

All: -4.823+/-8.146 χ^2/NDF: 128.0/97



Right In: 70.659+/-0.015 χ^2/NDF: 1082639.0/21

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

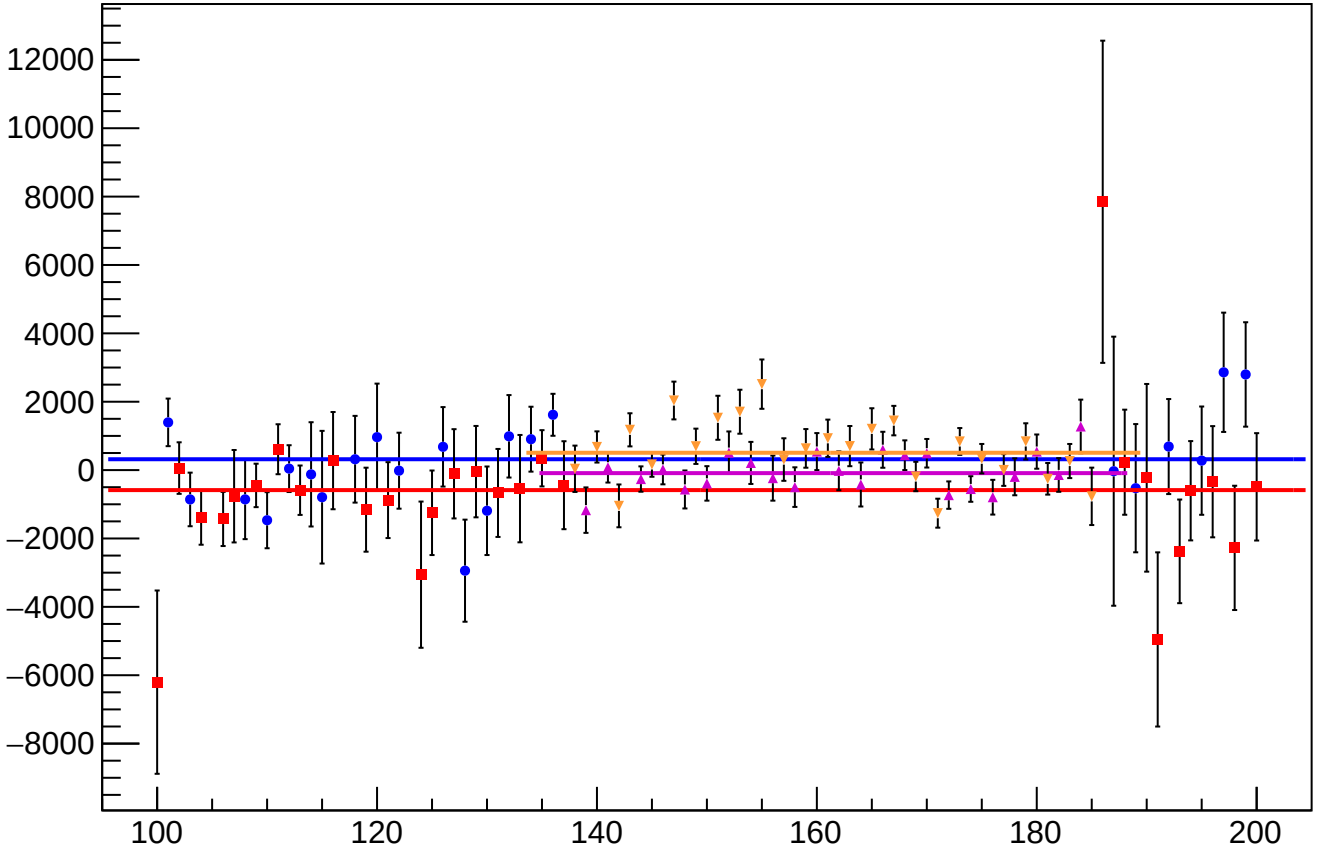
Right: 71.838+/-0.010 χ^2/NDF: 2432246.8/49

In: 61.443+/-0.008 χ^2/NDF:3050117.1/44

Out: 62.379+/-0.008 χ^2/NDF:4019596.6/52

All: 61.927+/-0.006 χ^2/NDF: 7076306.4/97

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

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

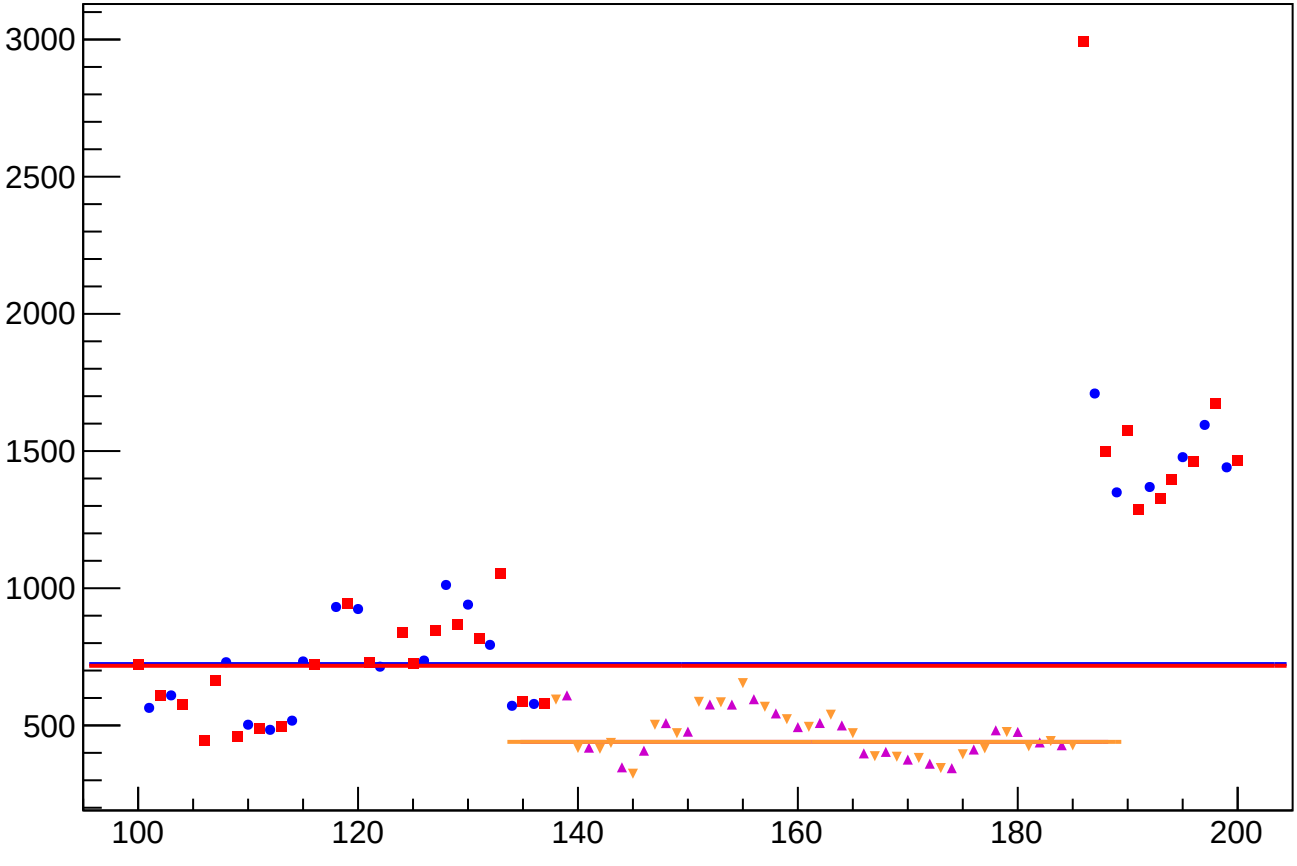
Right: -165.546+/-157.030 χ^2/NDF: 58.5/49

In: -19.107+/-95.196 χ^2/NDF:53.6/44

Out: 306.661+/-91.961 χ^2/NDF:109.6/52

All: 149.406+/-66.140 χ^2/NDF: 169.2/97

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 723.530+/-0.163 χ^2/NDF: 3135648.0/21

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

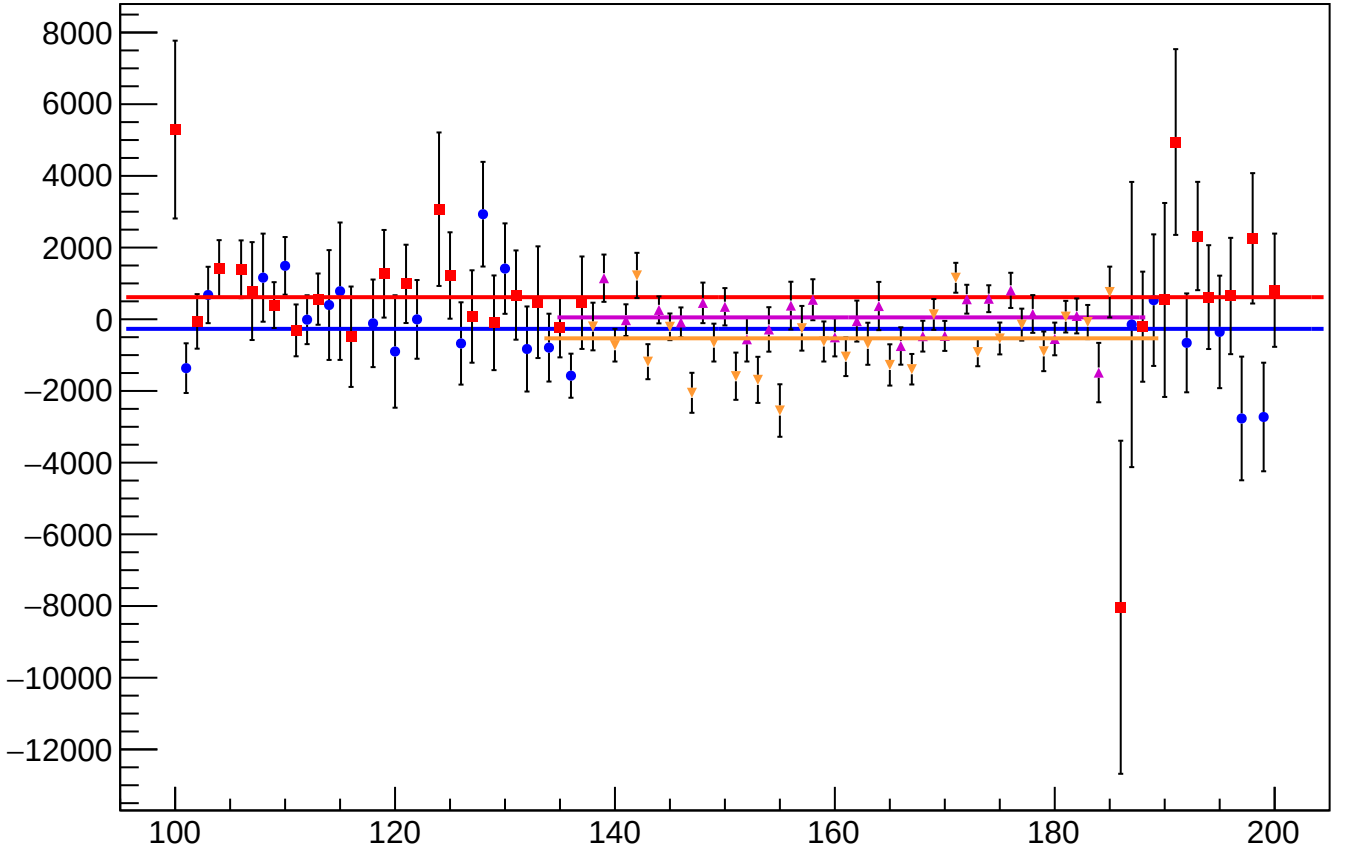
Right: 720.245+/-0.111 χ^2/NDF: 7959328.2/49

In: 488.323+/-0.067 χ^2/NDF:6712388.1/44

Out: 490.984+/-0.065 χ^2/NDF:8745857.4/52

All: 489.699+/-0.047 χ^2/NDF: 15459053.8/97

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -267.837+/-229.082 χ^2/NDF: 27.7/21

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

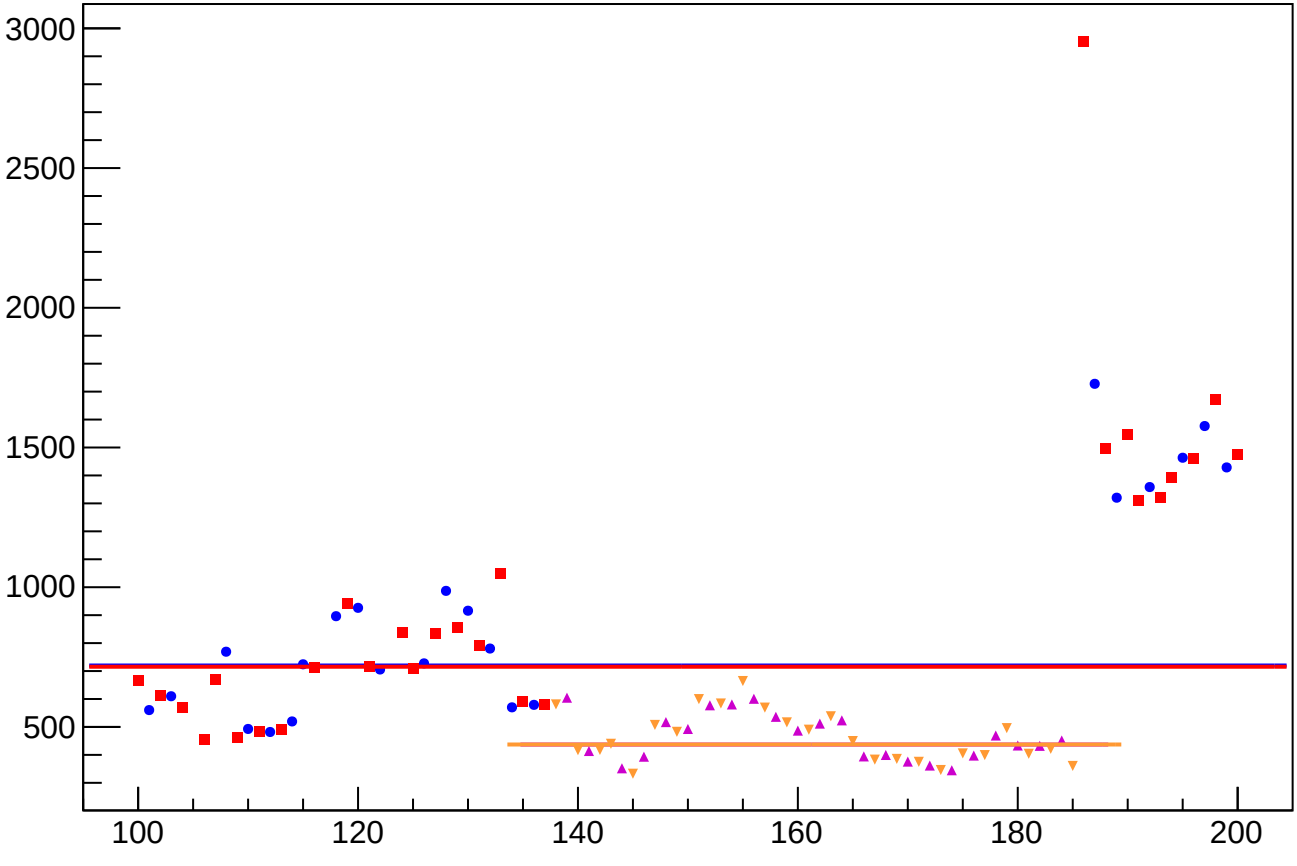
Right: 204.222+/-156.371 χ^2/NDF: 56.5/49

In: -2.082+/-94.600 χ^2/NDF:53.4/44

Out: -321.631+/-91.517 χ^2/NDF:109.9/52

All: -167.148+/-65.775 χ^2/NDF: 169.2/97

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 719.862+/-0.162 χ^2/NDF: 3089519.8/21

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

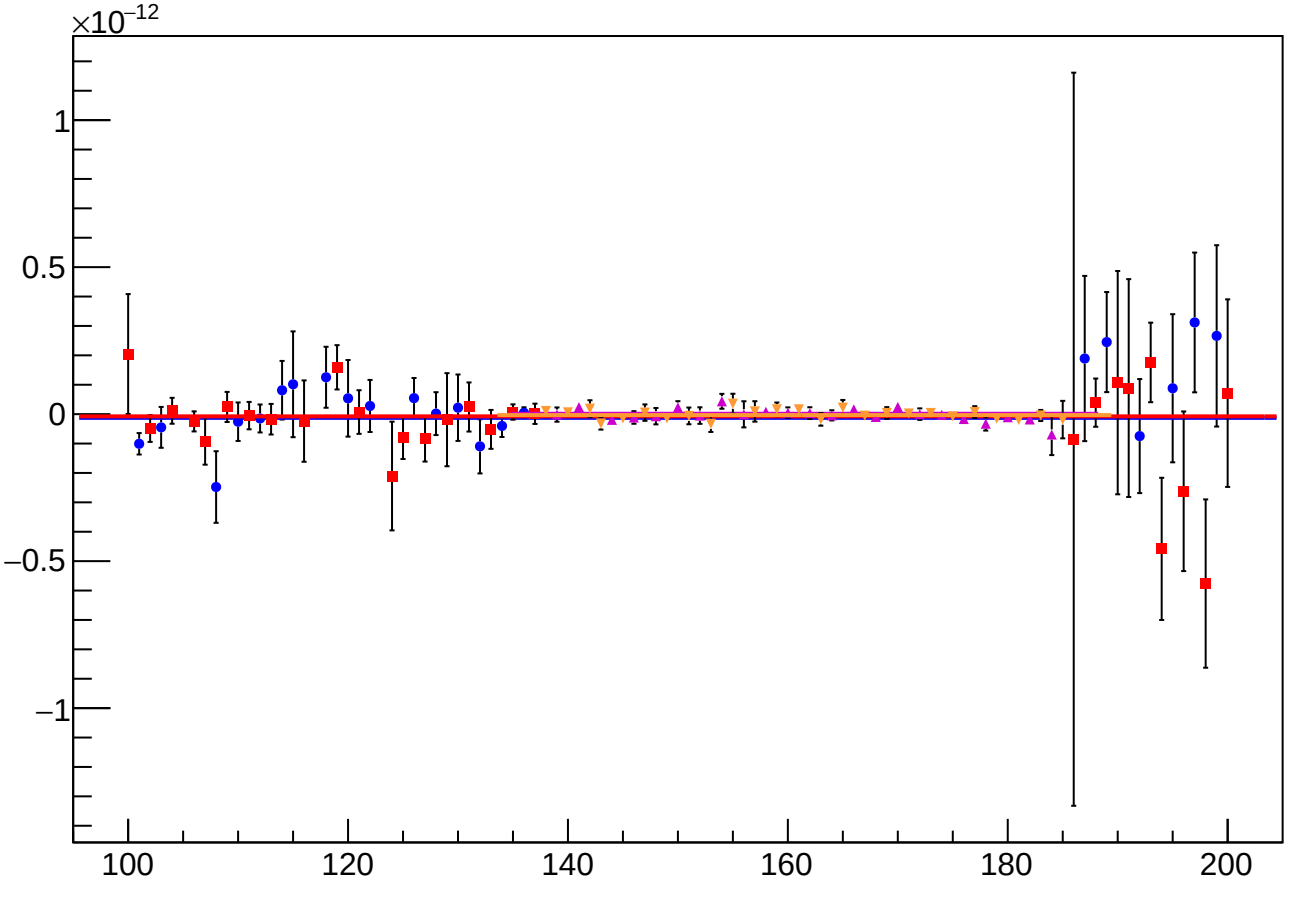
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 717.519+/-0.111 χ^2/NDF: 7877155.6/49

In: 485.184+/-0.067 χ^2/NDF:6699968.5/44

Out: 488.070+/-0.065 χ^2/NDF:8779415.4/52

All: 486.675+/-0.047 χ^2/NDF: 15480344.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

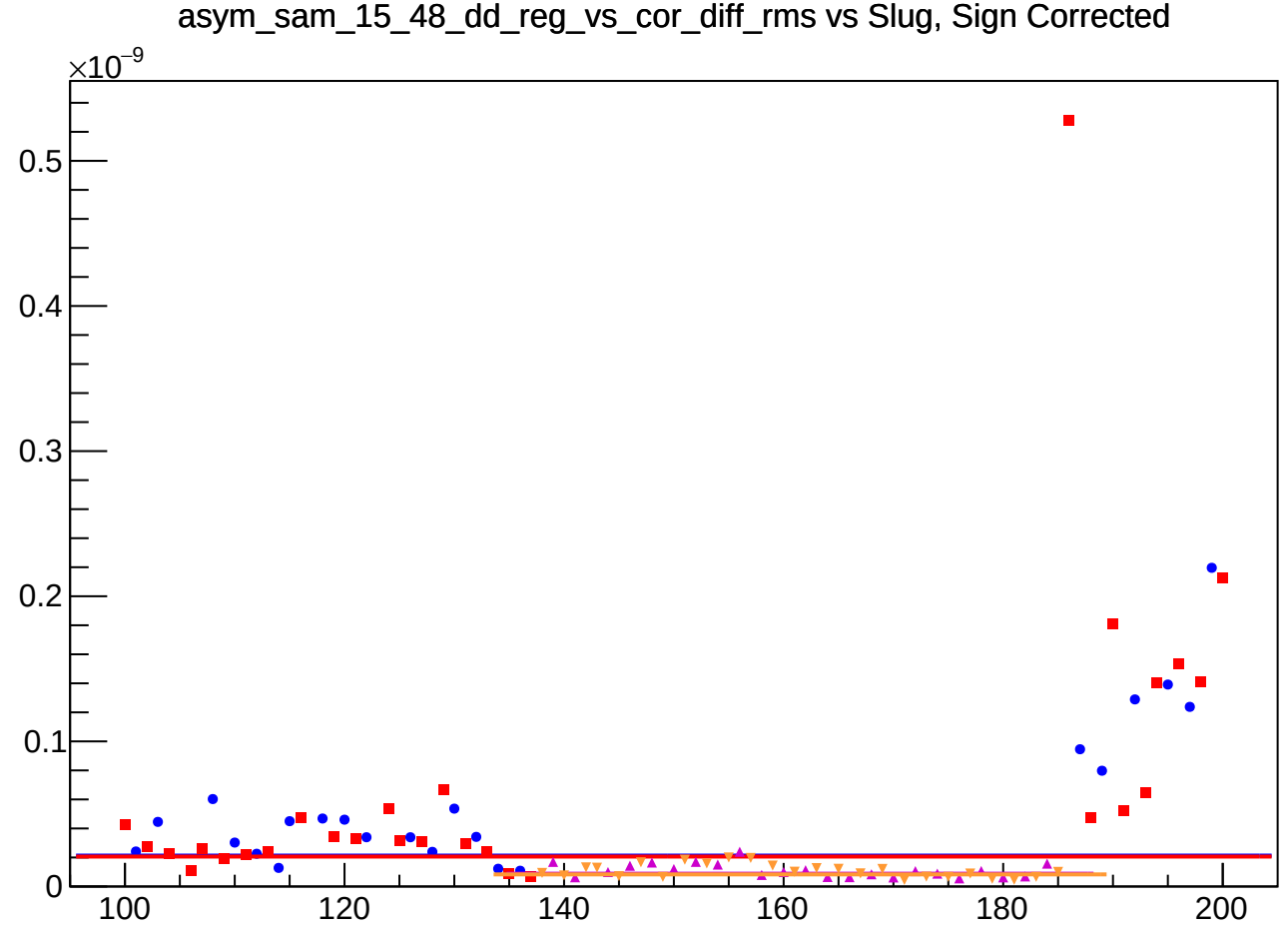
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/49

In: 0.000+/-0.000 χ^2/NDF:45.9/44

Out: -0.000+/-0.000 χ^2/NDF:38.1/52

All: -0.000+/-0.000 χ^2/NDF: 84.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 4401850.6/21

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

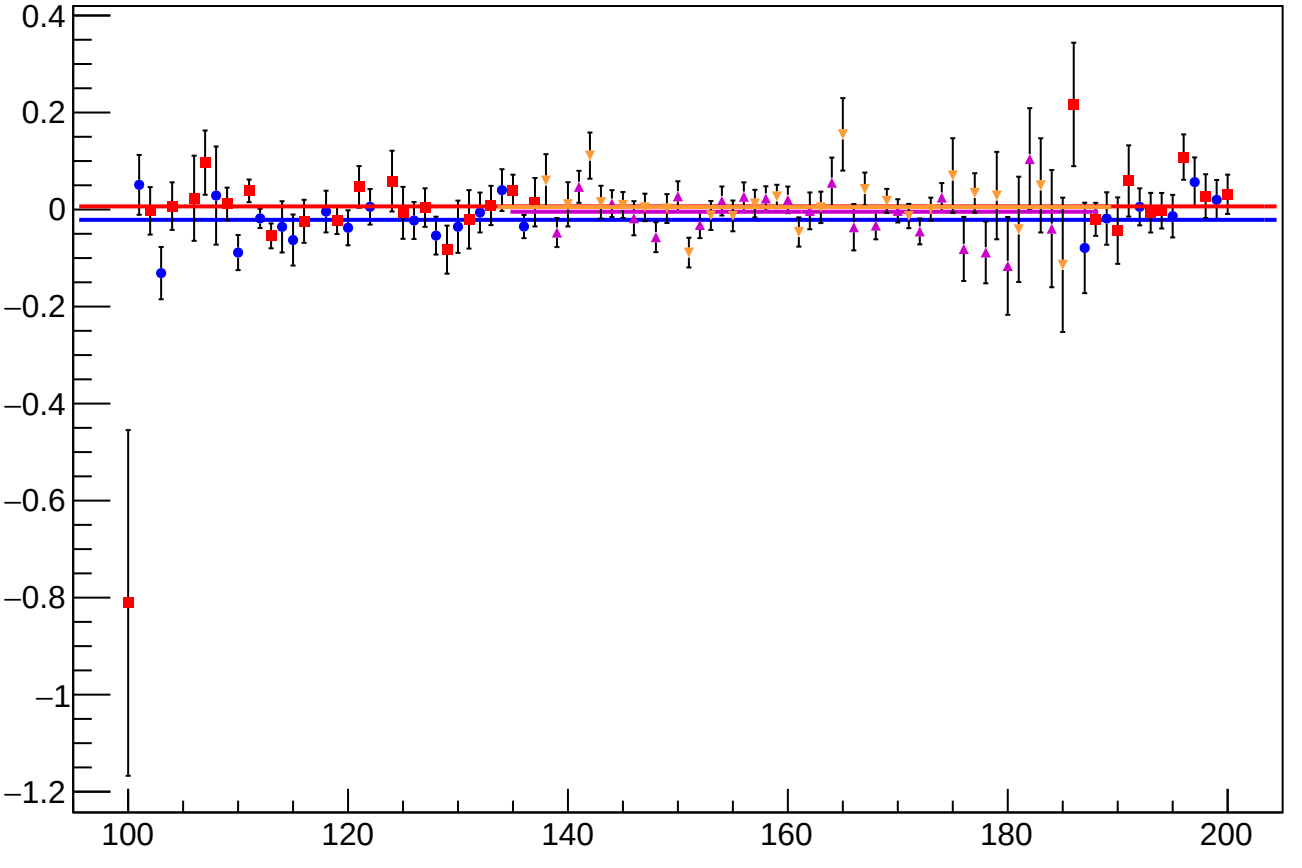
Right: 0.000+/-0.000 χ^2/NDF: 9089832.9/49

In: 0.000+/-0.000 χ^2/NDF:7881730.4/44

Out: 0.000+/-0.000 χ^2/NDF:8852726.0/52

All: 0.000+/-0.000 χ^2/NDF: 16758864.6/97

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

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

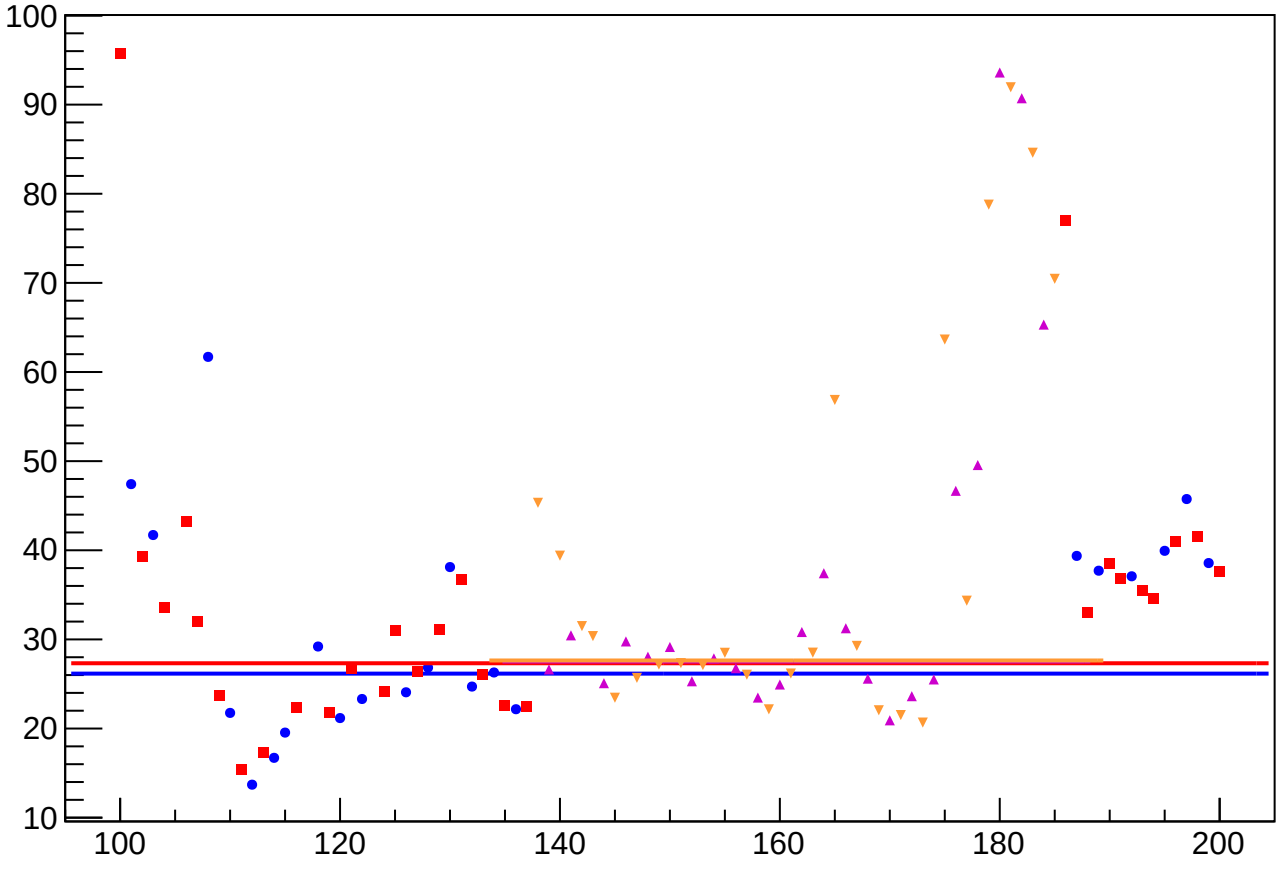
Right: -0.007+/-0.006 χ^2/NDF: 56.2/49

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 111.6/97

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

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

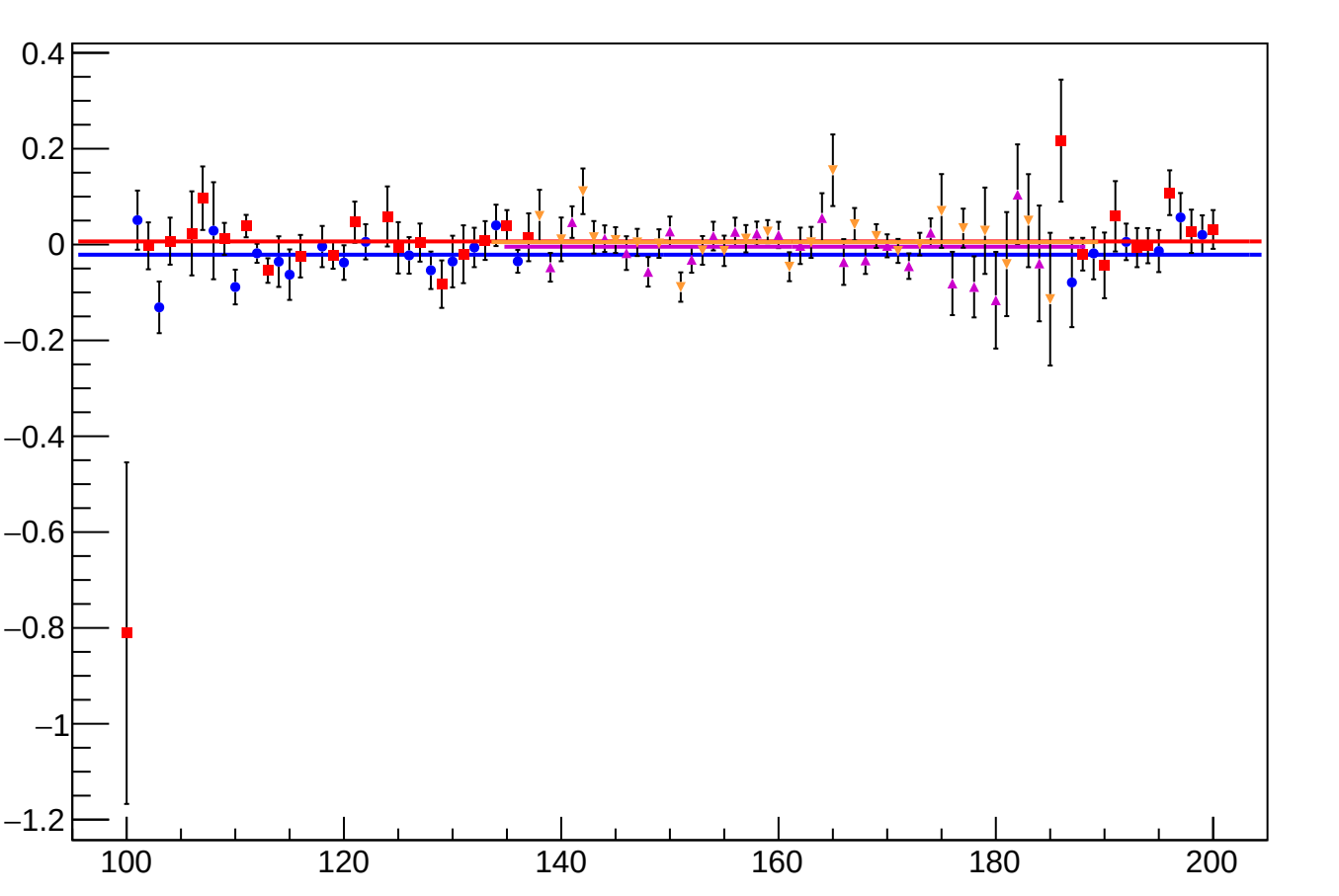
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 26.779+/-0.004 χ^2/NDF: 5269480.6/49

In: 26.972+/-0.004 χ^2/NDF:5418884.7/44

Out: 27.503+/-0.004 χ^2/NDF:6471776.2/52

All: 27.247+/-0.003 χ^2/NDF: 11900736.9/97



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

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

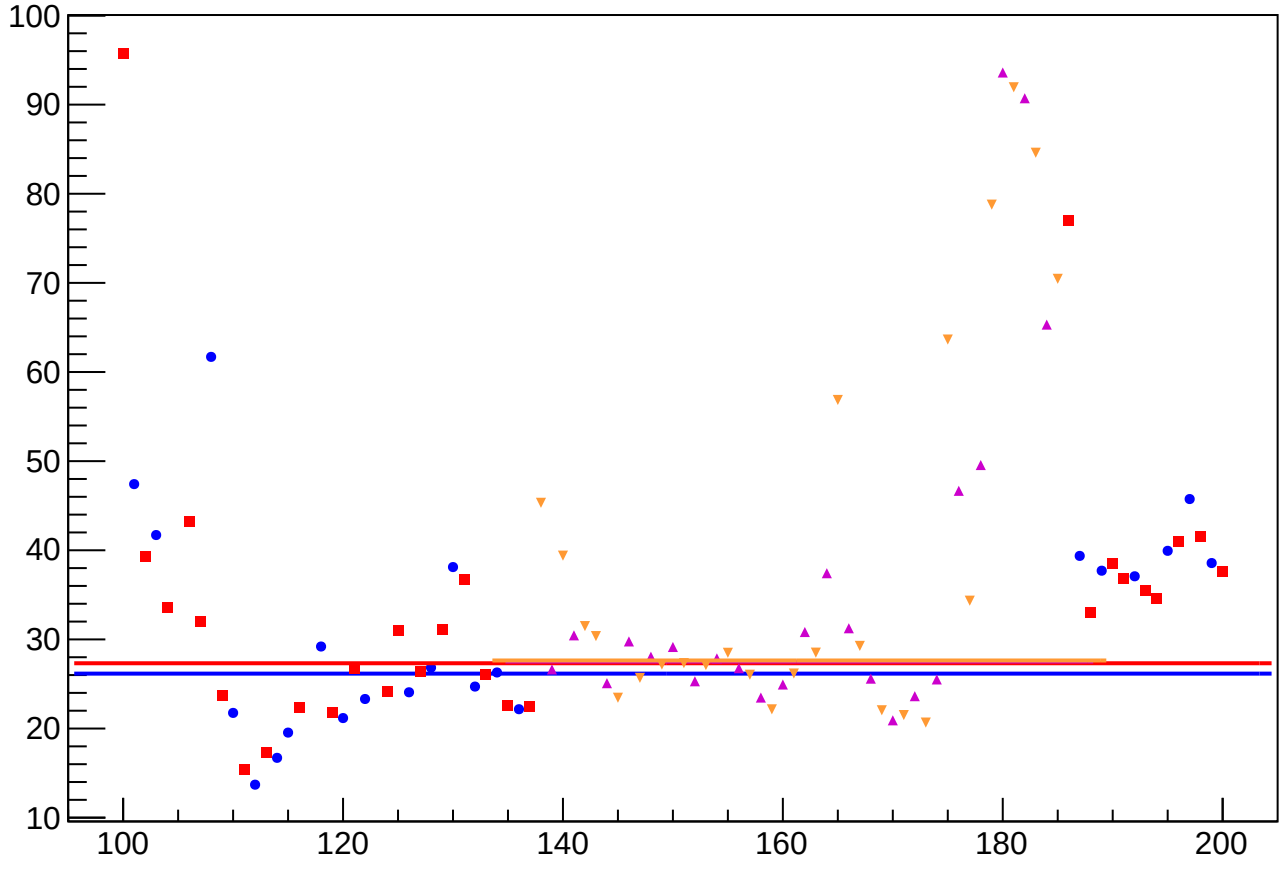
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.007+/-0.006 χ^2/NDF: 56.2/49

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.002+/-0.004 χ^2/NDF: 111.6/97



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

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

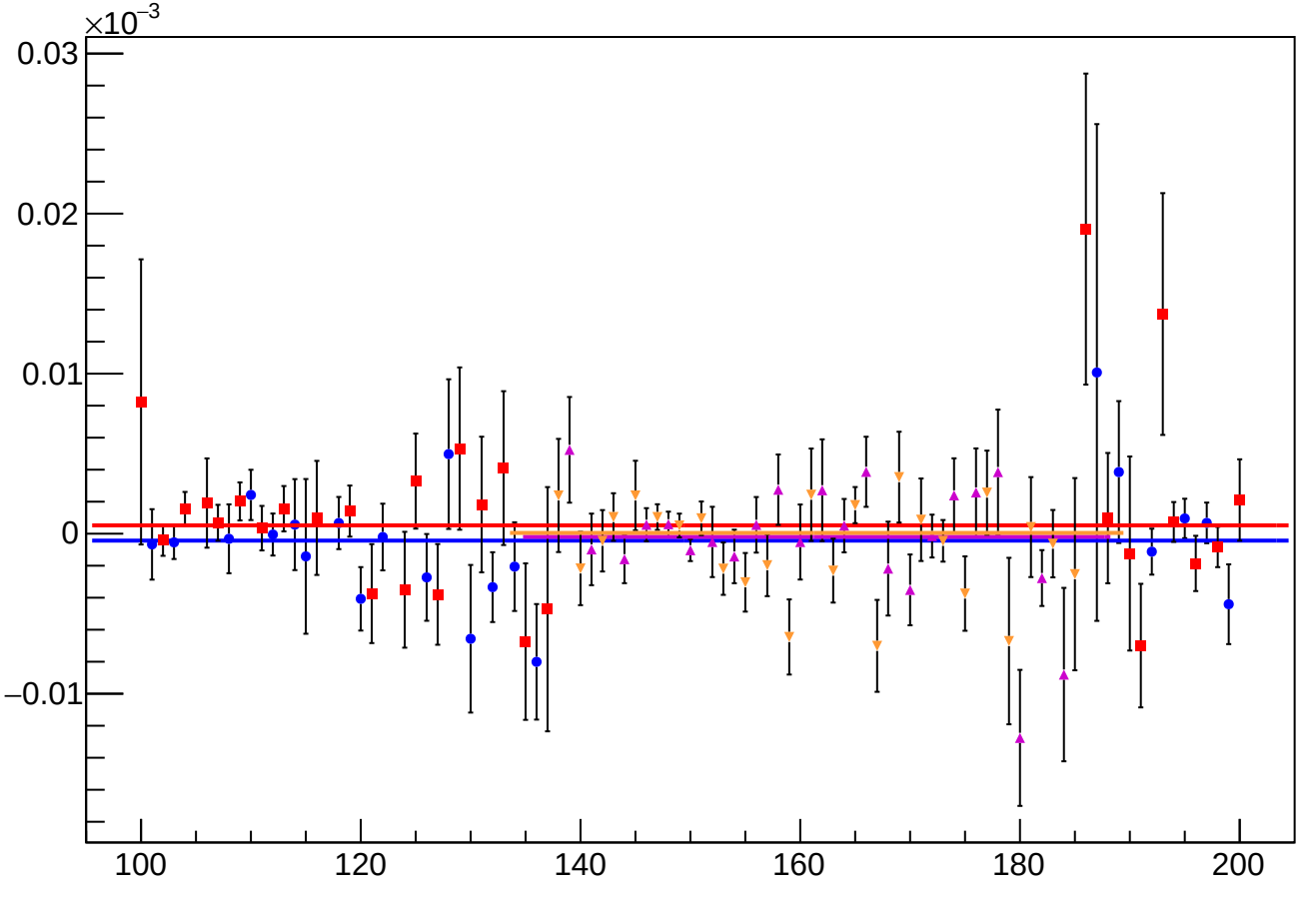
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 26.779+/-0.004 χ^2/NDF: 5269480.6/49

In: 26.972+/-0.004 χ^2/NDF:5418884.7/44

Out: 27.503+/-0.004 χ^2/NDF:6471776.2/52

All: 27.247+/-0.003 χ^2/NDF: 11900736.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/21

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

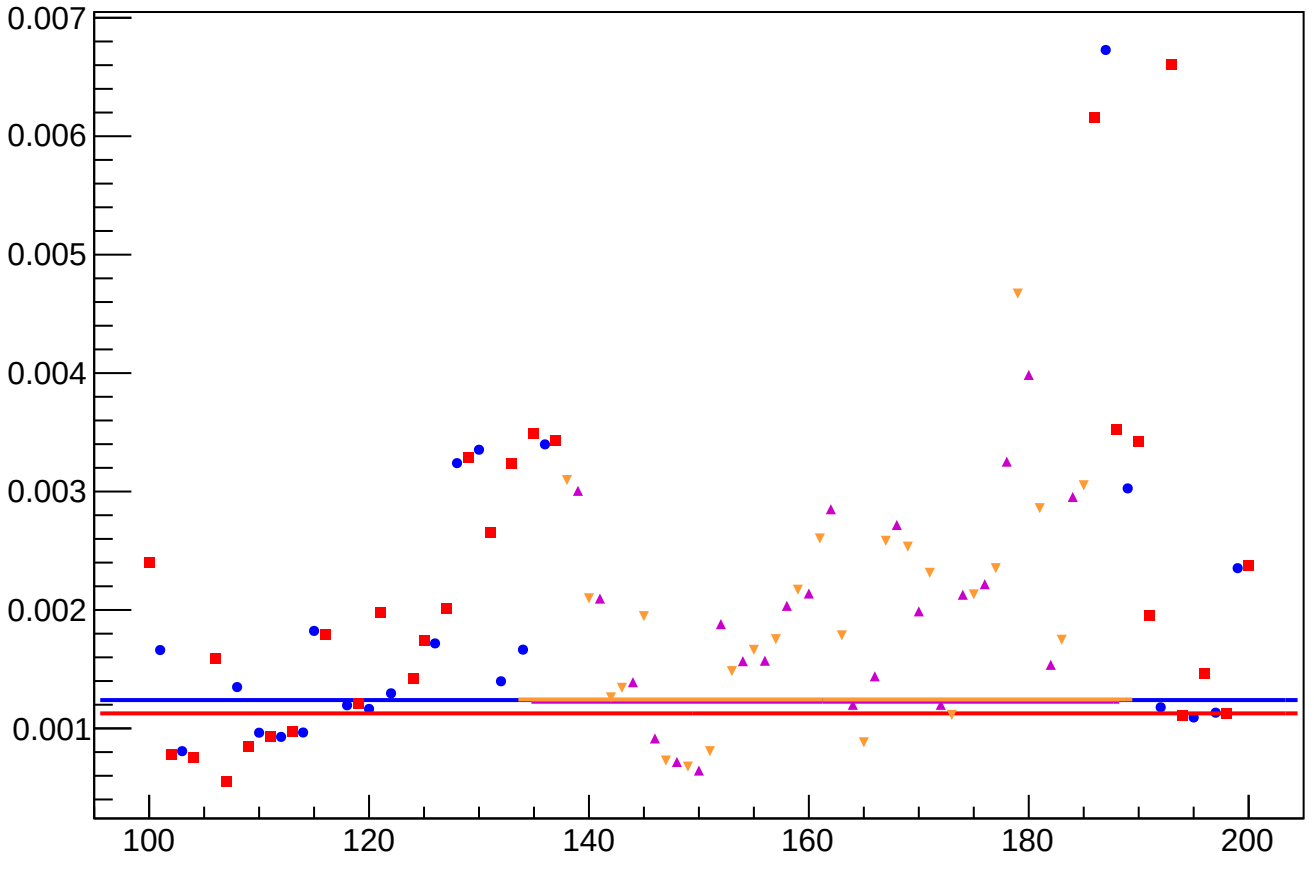
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 56.5/49

In: -0.000+/-0.000 χ^2/NDF:57.4/44

Out: 0.000+/-0.000 χ^2/NDF:67.5/52

All: 0.000+/-0.000 χ^2/NDF: 127.3/97



Right In: 0.001+/-0.000 χ^2/NDF: 3293139.5/21

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

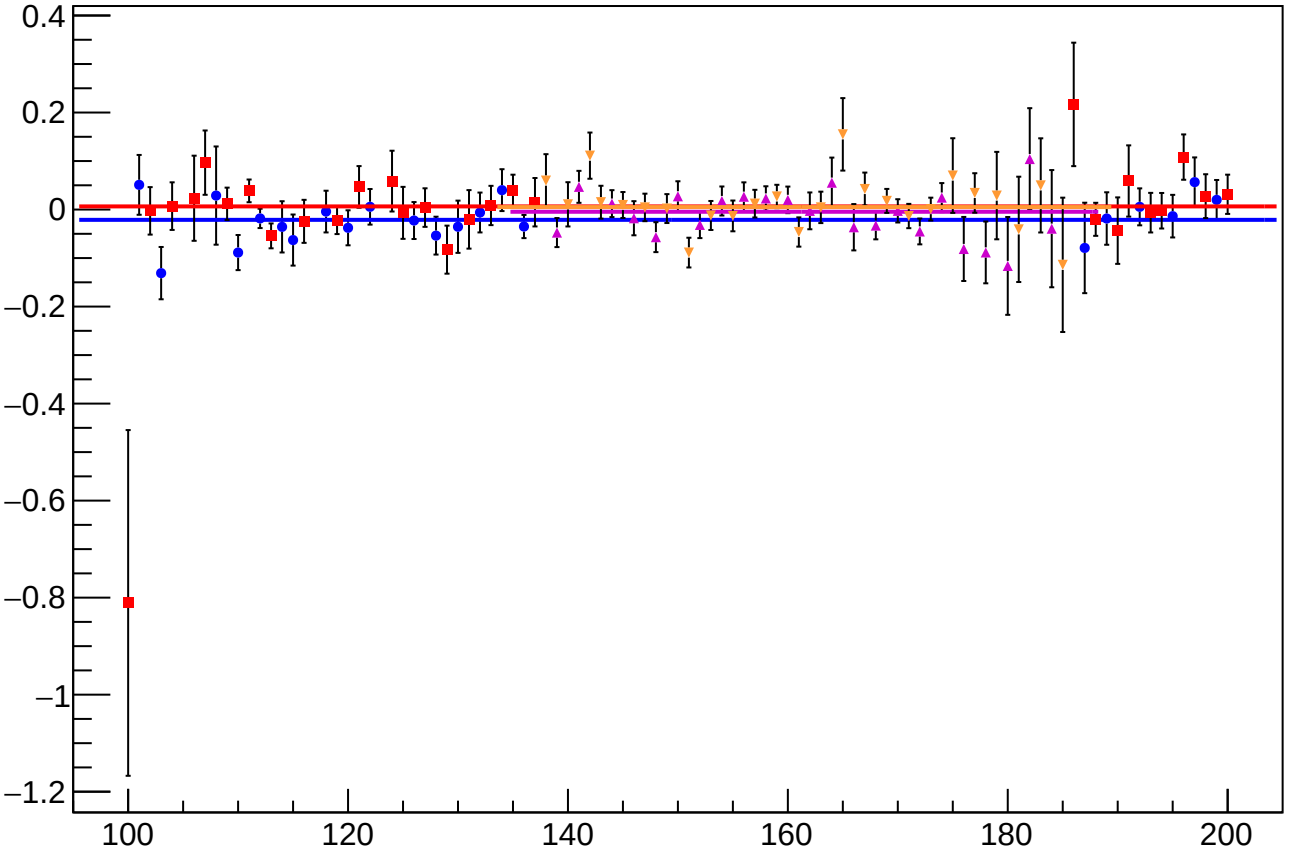
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 10053448.7/49

In: 0.001+/-0.000 χ^2/NDF:11117402.0/44

Out: 0.001+/-0.000 χ^2/NDF:15133664.3/52

All: 0.001+/-0.000 χ^2/NDF: 26275208.4/97



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

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

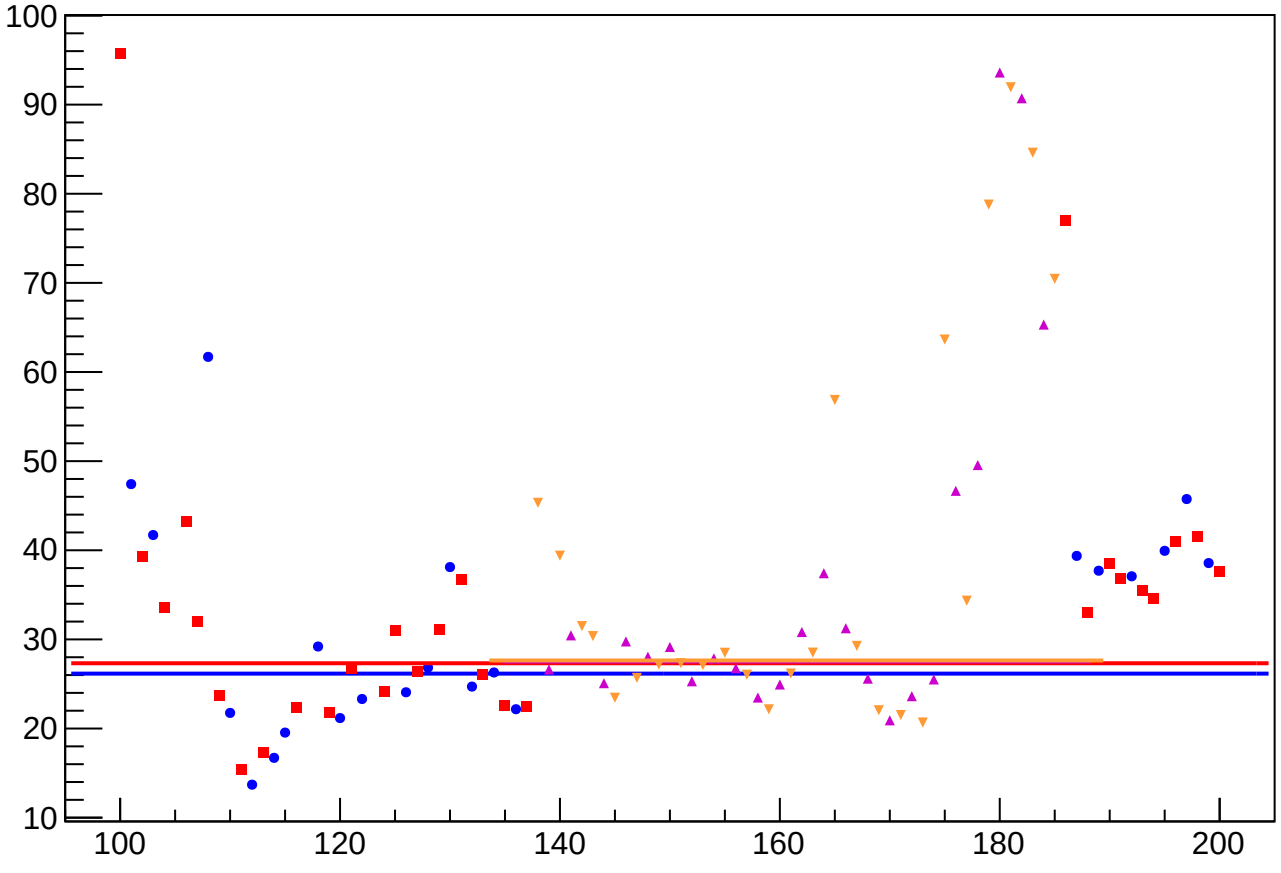
Right: -0.007+/-0.006 χ^2/NDF: 56.2/49

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.003+/-0.004 χ^2/NDF: 111.6/97

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

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

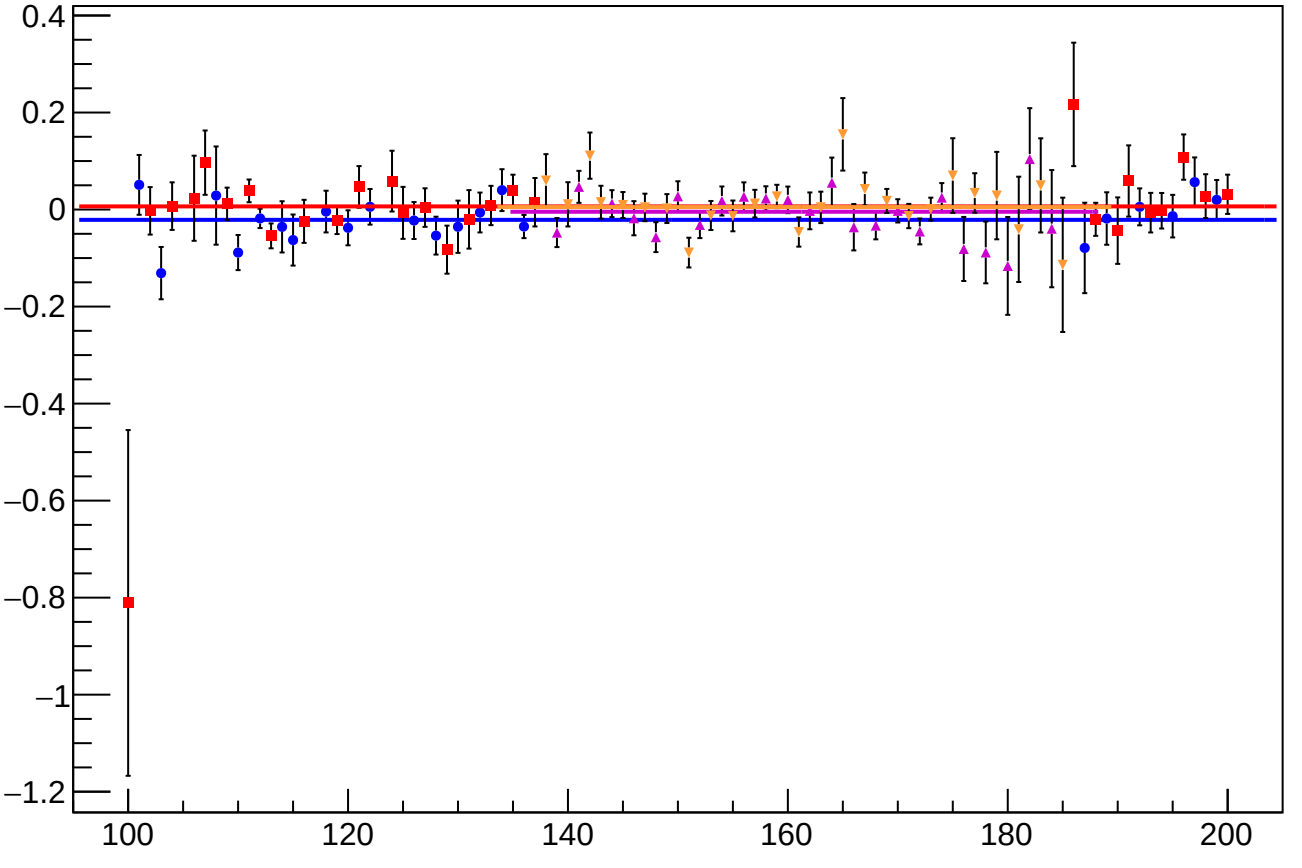
Right: 26.778+/-0.004 χ^2/NDF: 5269598.9/49

In: 26.972+/-0.004 χ^2/NDF:5418888.5/44

Out: 27.503+/-0.004 χ^2/NDF:6471824.1/52

All: 27.247+/-0.003 χ^2/NDF: 11900791.5/97

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

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

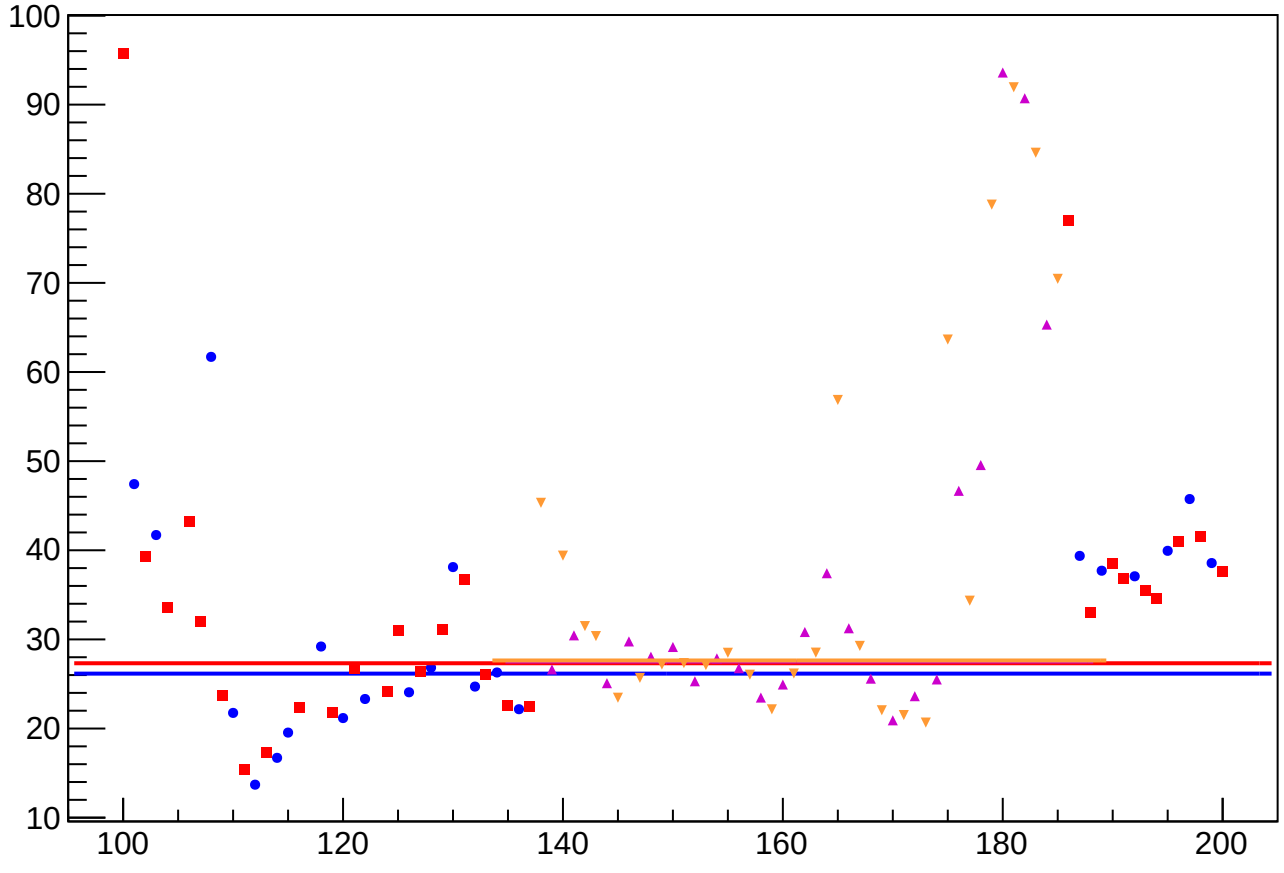
Right: -0.007+/-0.006 χ^2/NDF: 56.2/49

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.006+/-0.005 χ^2/NDF:60.6/52

All: -0.003+/-0.004 χ^2/NDF: 111.6/97

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

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

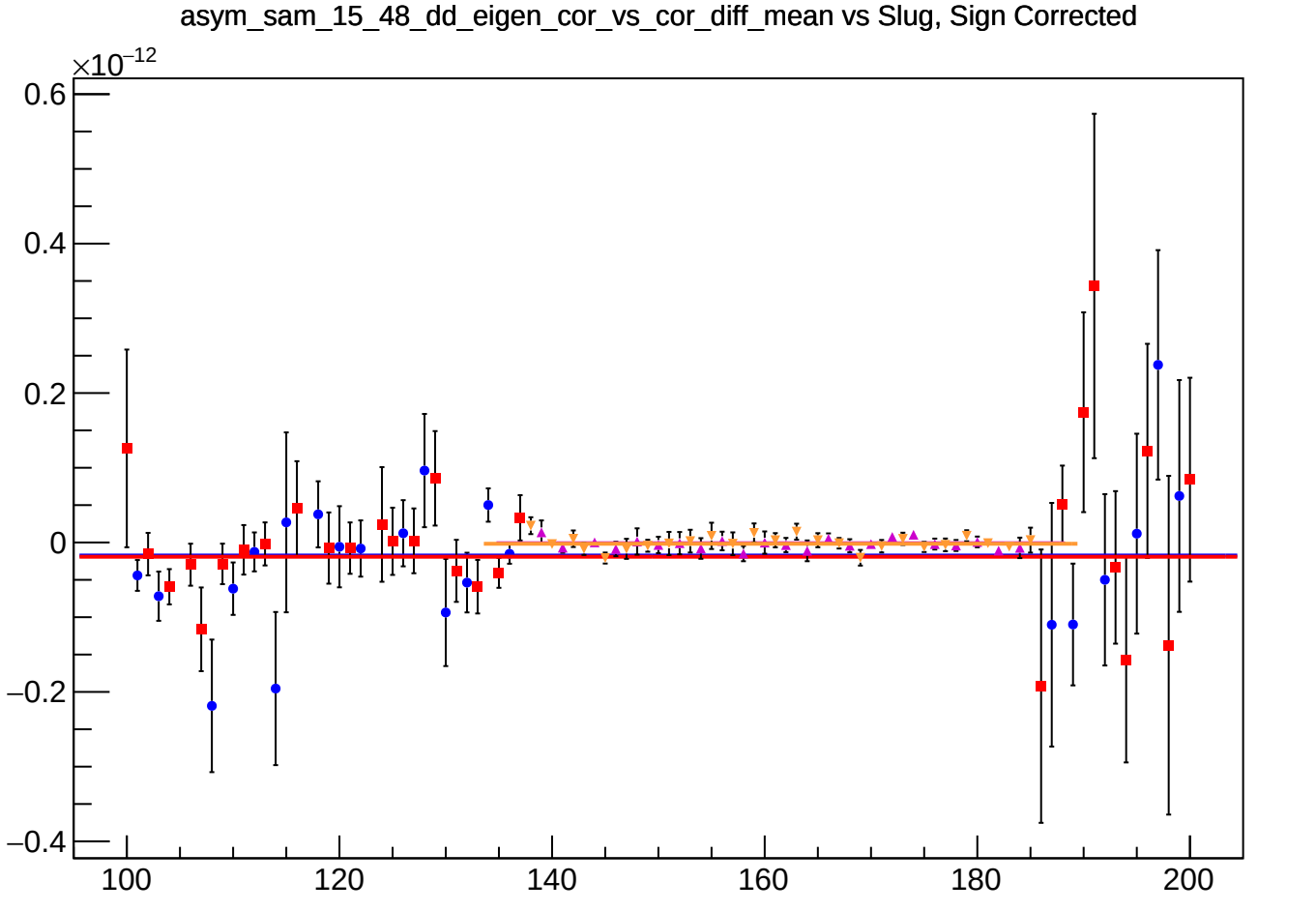
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 26.778+/-0.004 χ^2/NDF: 5269598.9/49

In: 26.972+/-0.004 χ^2/NDF:5418888.5/44

Out: 27.503+/-0.004 χ^2/NDF:6471824.1/52

All: 27.247+/-0.003 χ^2/NDF: 11900791.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/21

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

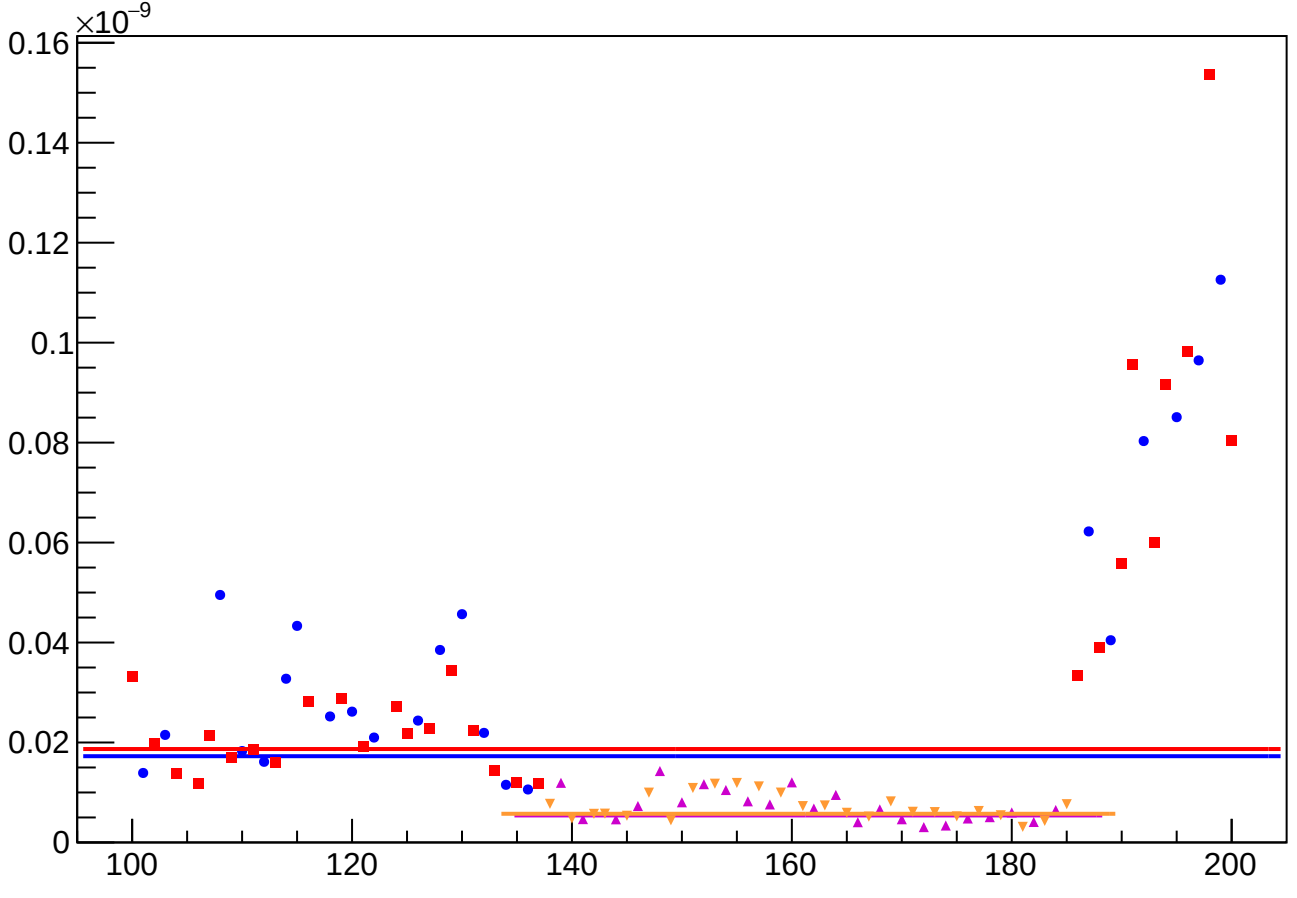
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.9/49

In: -0.000+/-0.000 χ^2/NDF:55.5/44

Out: -0.000+/-0.000 χ^2/NDF:57.5/52

All: -0.000+/-0.000 χ^2/NDF: 113.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 4539589.8/21

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

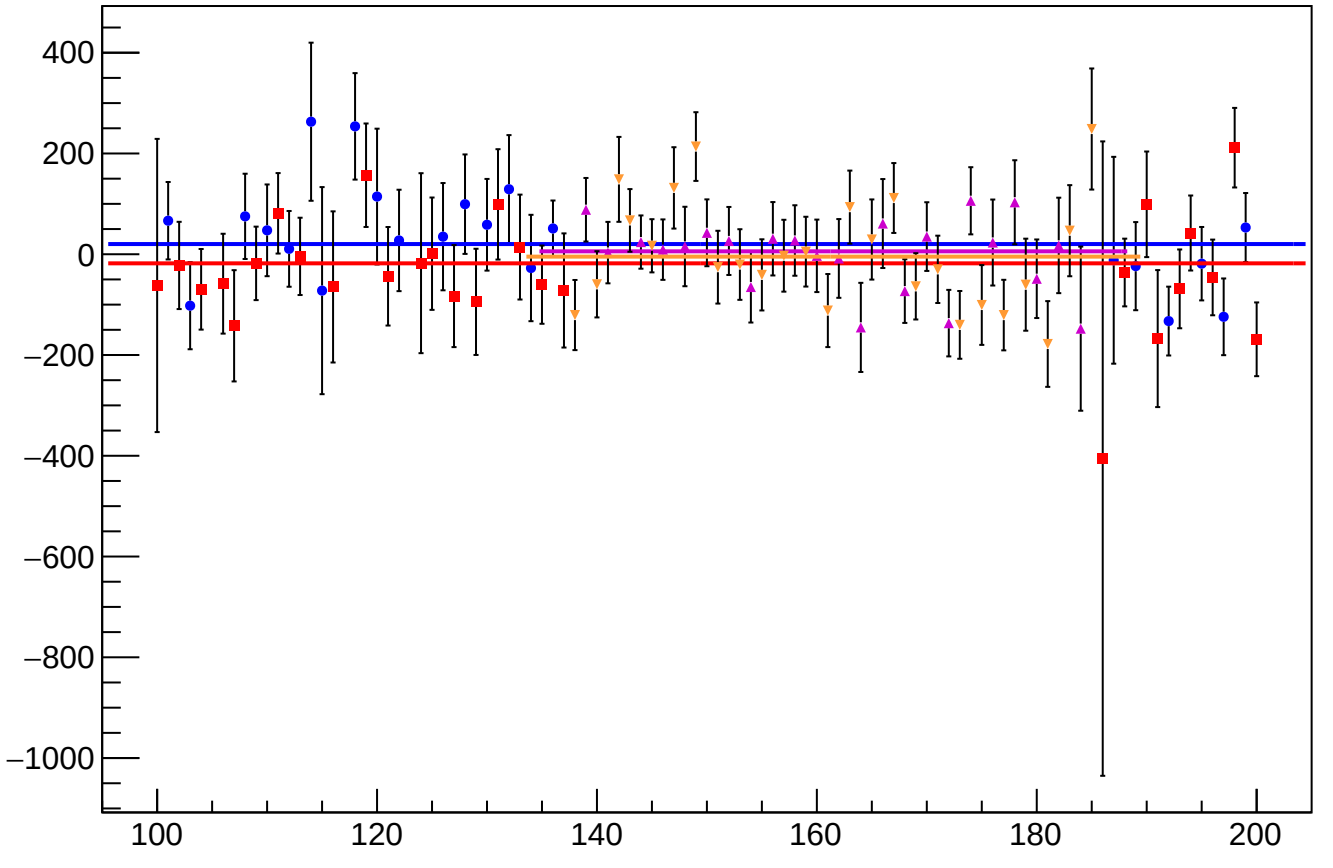
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8842167.6/49

In: 0.000+/-0.000 χ^2/NDF:12562327.0/44

Out: 0.000+/-0.000 χ^2/NDF:12286942.6/52

All: 0.000+/-0.000 χ^2/NDF: 24900904.1/97



Right In: 20.225+/-18.883 χ^2/NDF: 22.7/21

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

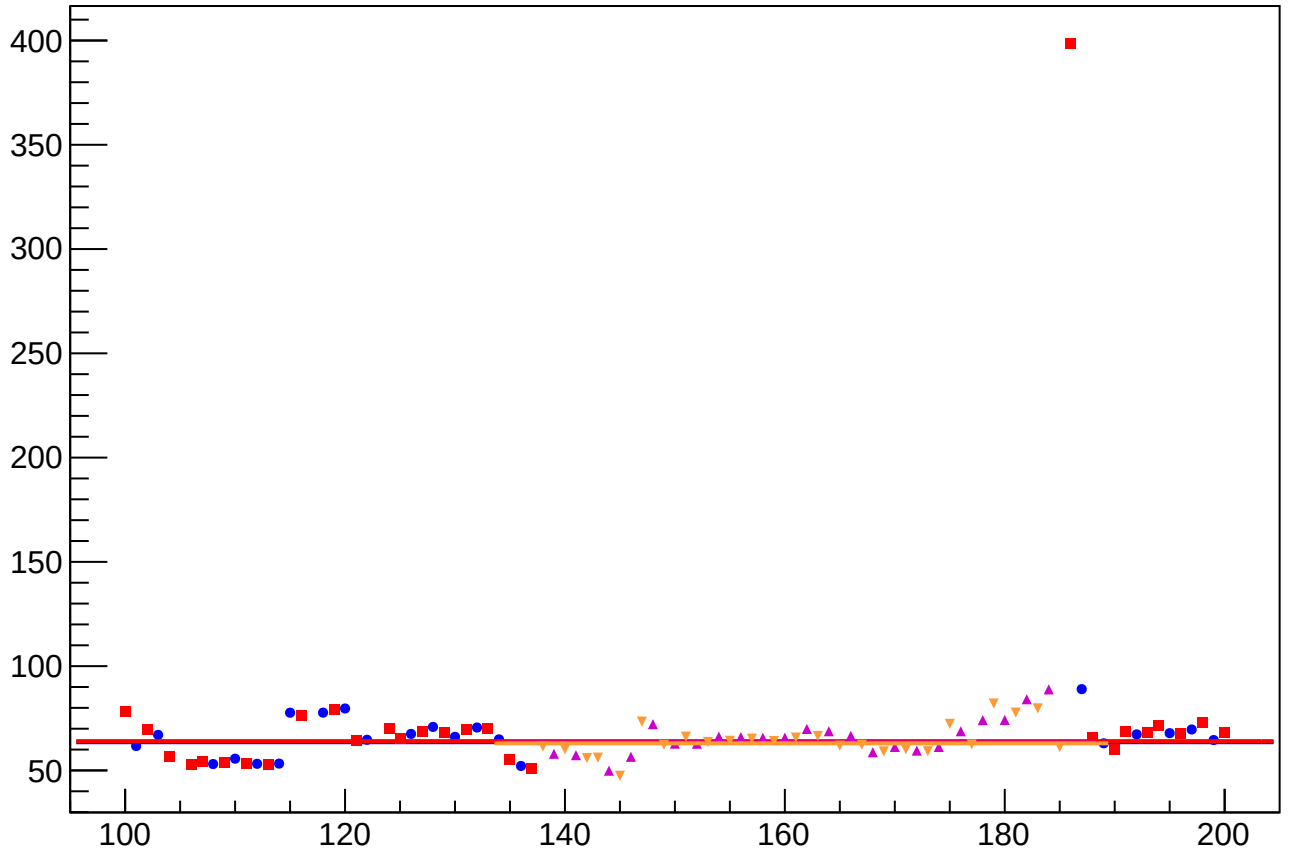
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -0.179+/-12.905 χ^2/NDF: 50.9/49

In: 11.335+/-11.712 χ^2/NDF:41.3/44

Out: -10.068+/-11.179 χ^2/NDF:73.8/52

All: 0.135+/-8.087 χ^2/NDF: 116.8/97



Right In: 63.522+/-0.013 χ^2/NDF: 337194.1/21

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

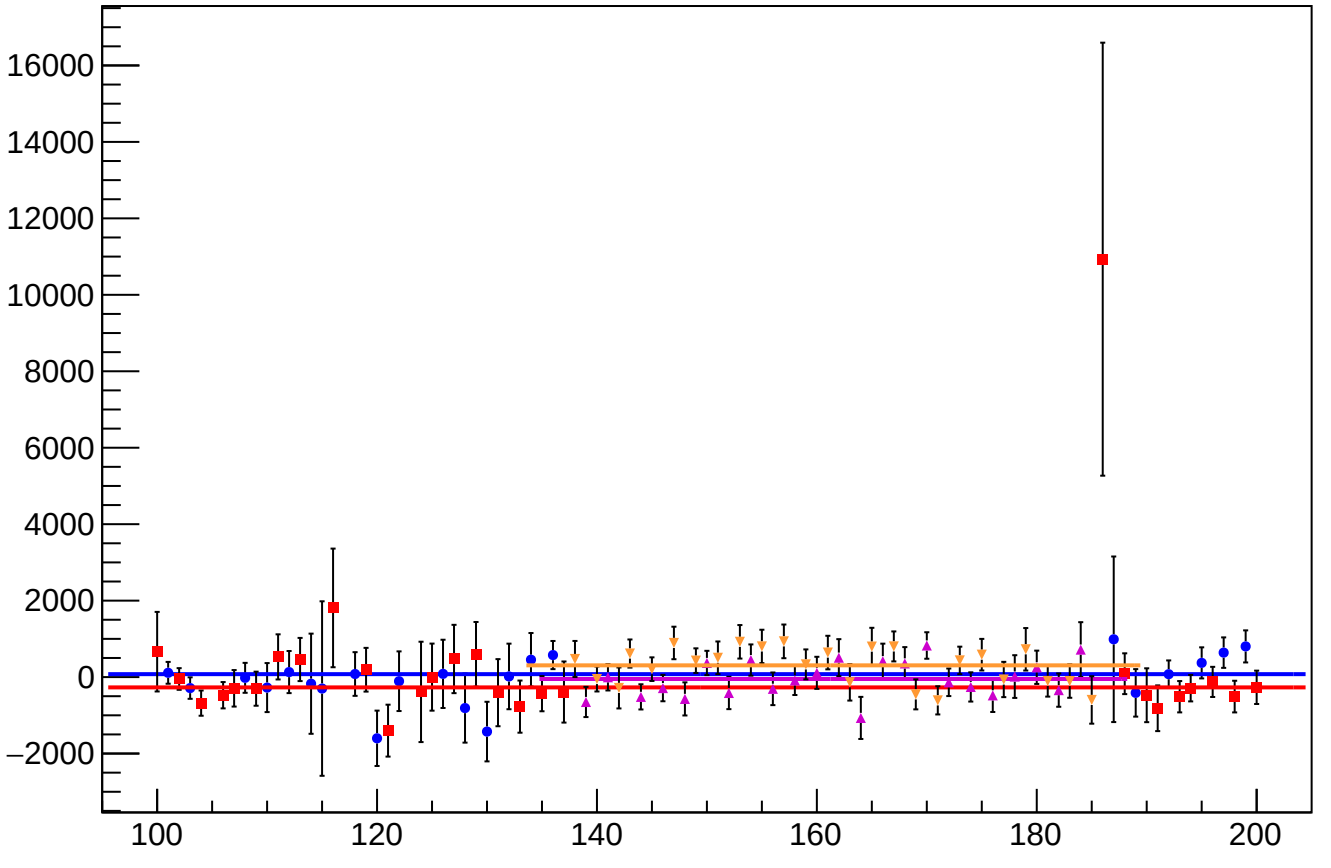
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.805+/-0.009 χ^2/NDF: 1293156.3/49

In: 63.425+/-0.008 χ^2/NDF:834204.5/44

Out: 63.407+/-0.008 χ^2/NDF:1486429.8/52

All: 63.416+/-0.006 χ^2/NDF: 2320637.0/97



Right In: 76.913+/-106.583 χ^2/NDF: 20.7/21

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

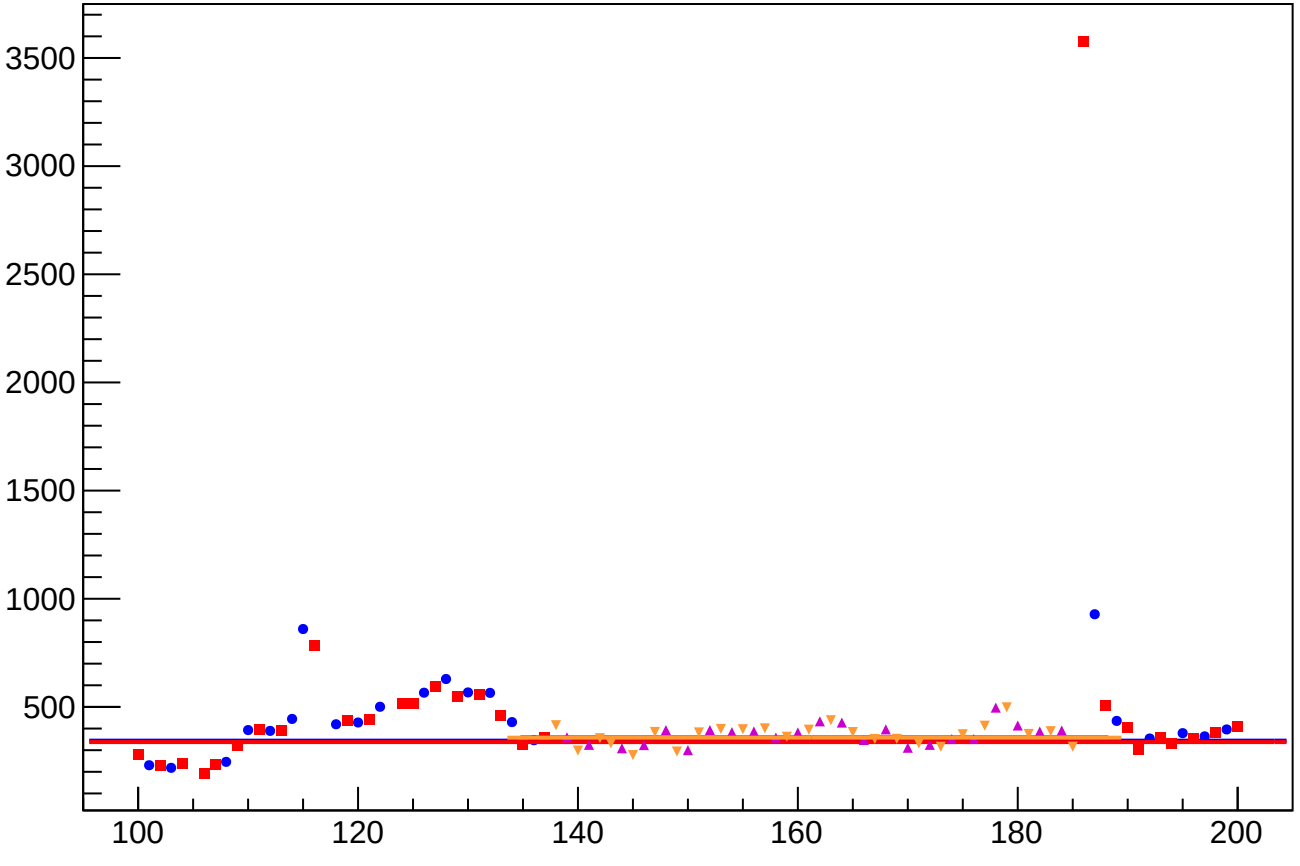
Right: -112.842+/-71.698 χ^2/NDF: 47.2/49

In: -0.795+/-66.377 χ^2/NDF:48.8/44

Out: 65.230+/-62.755 χ^2/NDF:71.9/52

All: 34.068+/-45.601 χ^2/NDF: 121.3/97

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 344.072+/-0.075 χ^2/NDF: 2012453.7/21

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

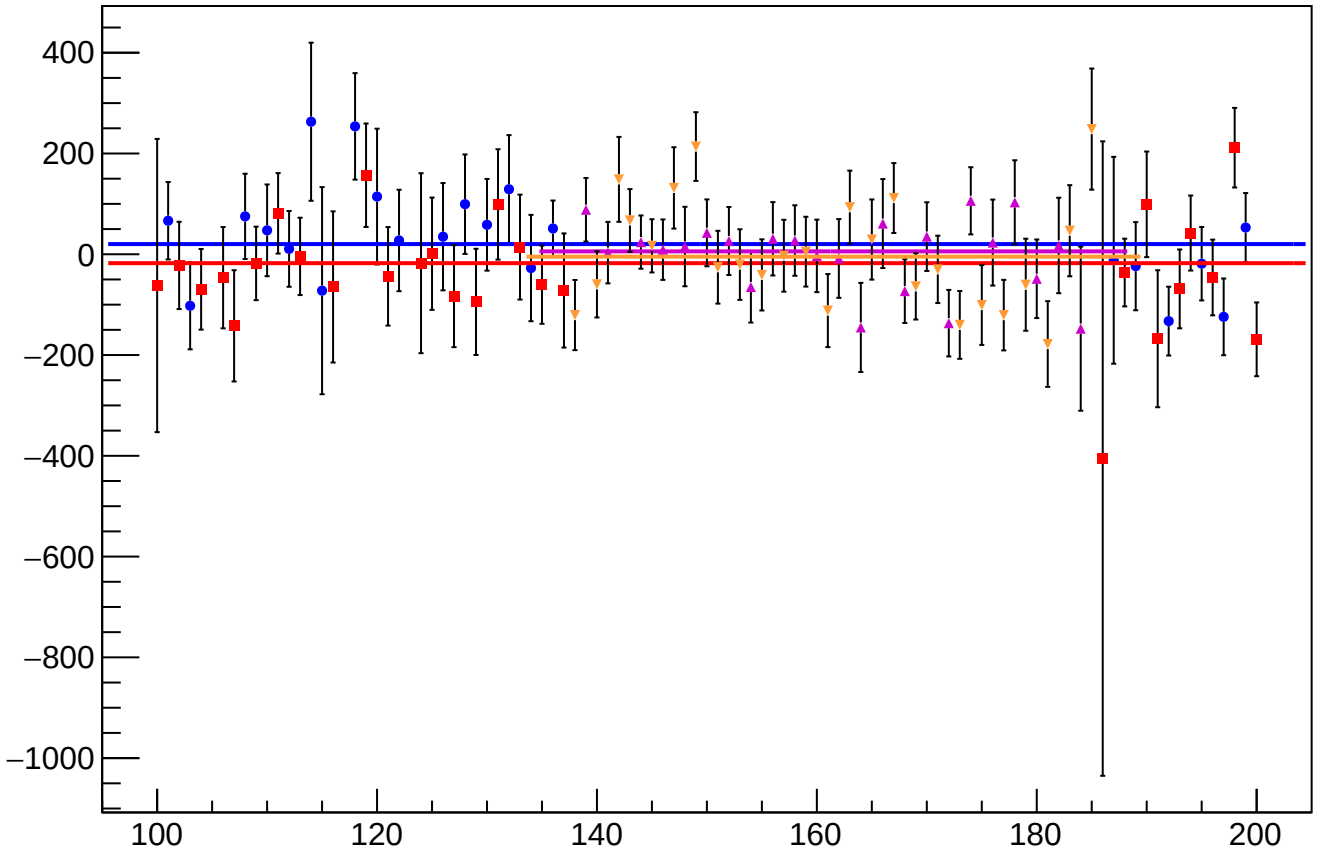
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 340.410+/-0.051 χ^2/NDF: 4849943.6/49

In: 353.424+/-0.047 χ^2/NDF:2557369.4/44

Out: 349.197+/-0.044 χ^2/NDF:3568112.9/52

All: 351.192+/-0.032 χ^2/NDF: 6129766.6/97



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

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

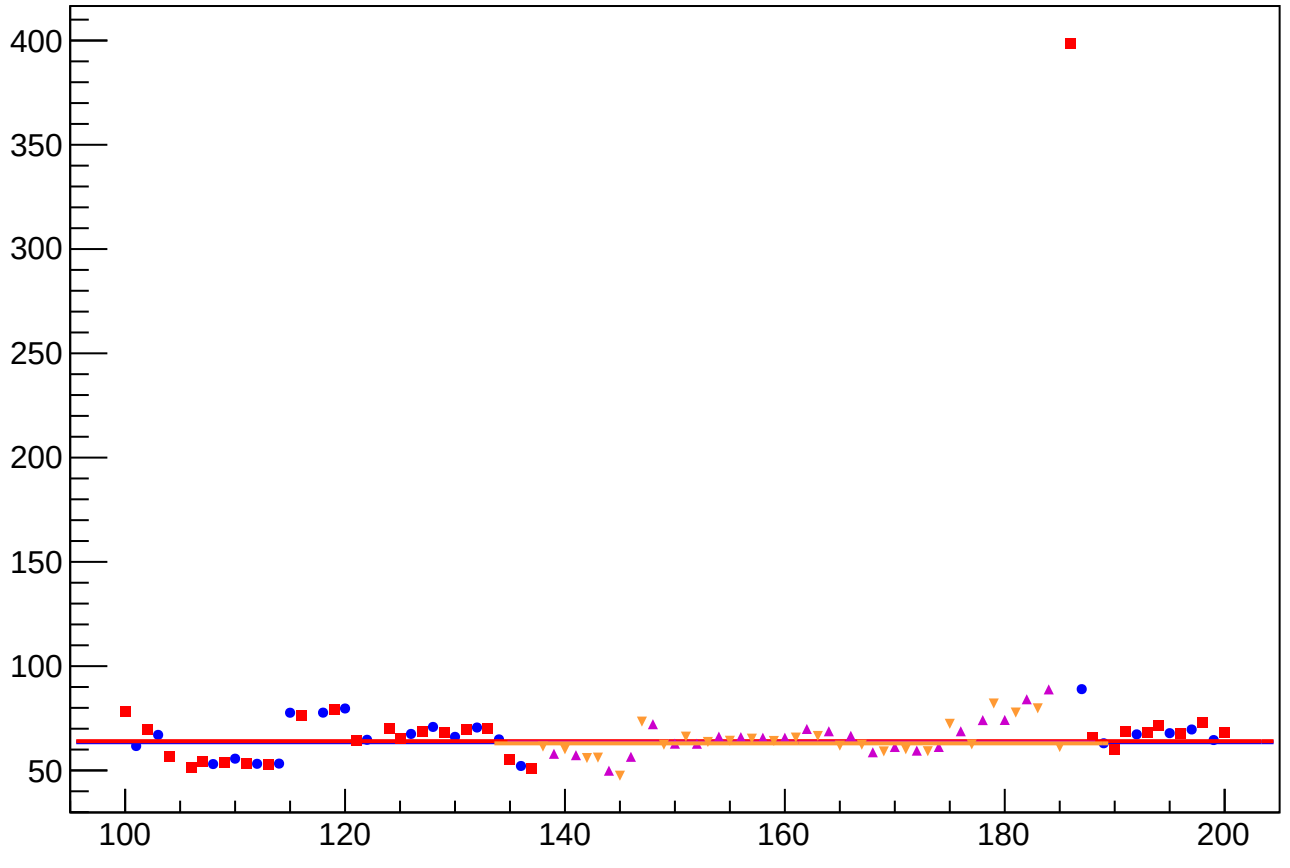
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 0.043+/-12.908 χ^2/NDF: 50.8/49

In: 11.332+/-11.712 χ^2/NDF:41.3/44

Out: -9.906+/-11.181 χ^2/NDF:73.6/52

All: 0.221+/-8.087 χ^2/NDF: 116.7/97



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

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

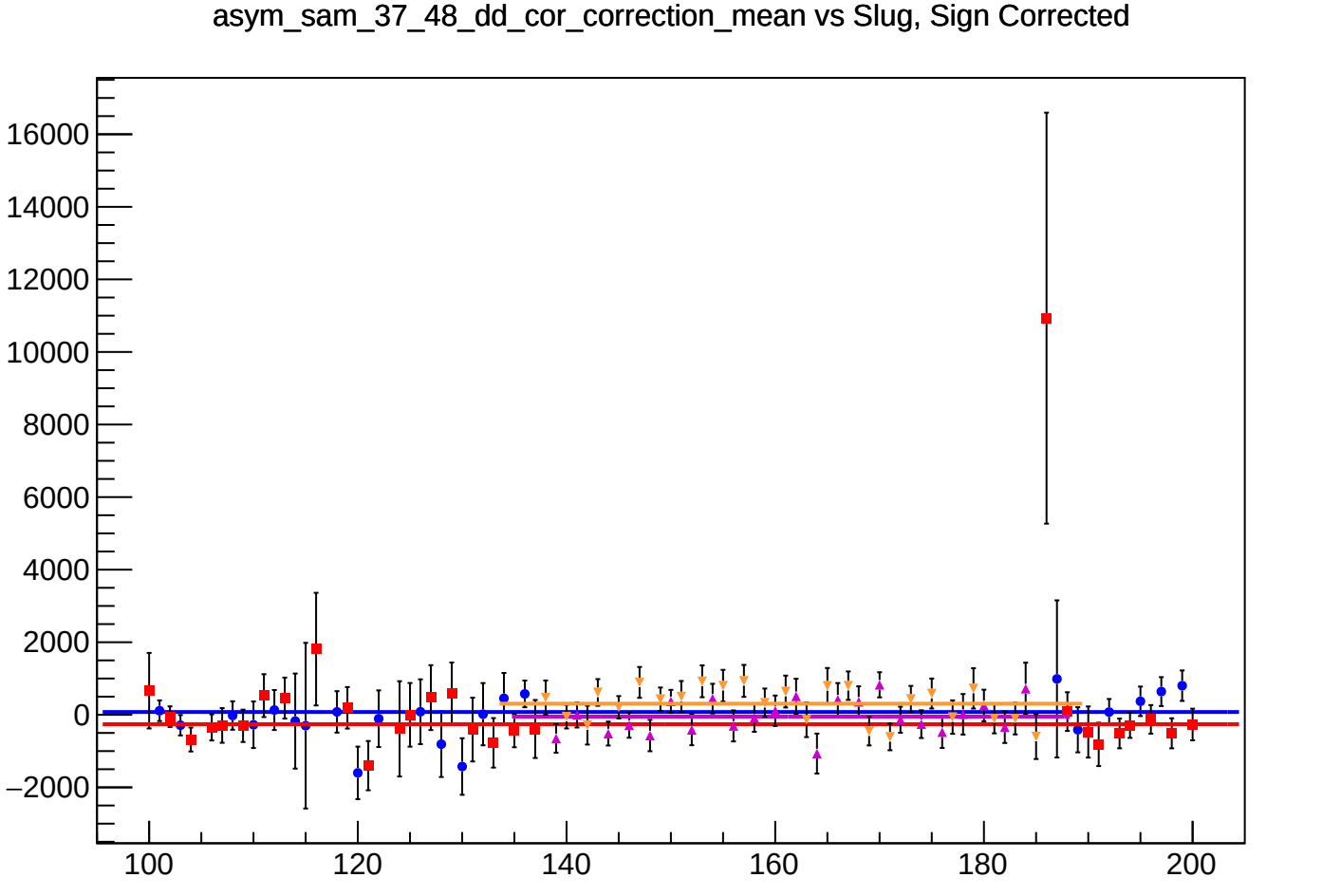
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

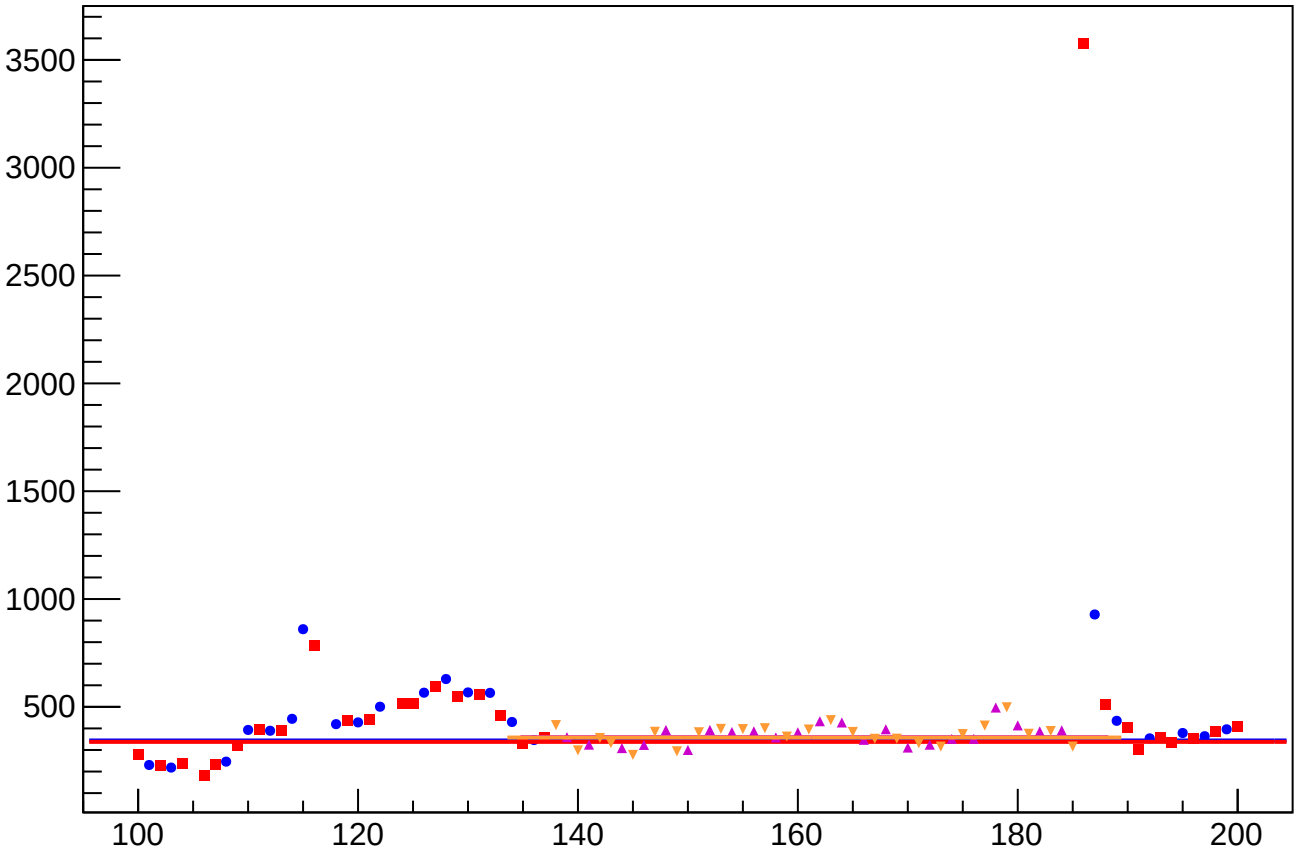
Right: 63.793+/-0.009 χ^2/NDF: 1297419.9/49

In: 63.425+/-0.008 χ^2/NDF:834204.7/44

Out: 63.398+/-0.008 χ^2/NDF:1490578.3/52

All: 63.411+/-0.006 χ^2/NDF: 2324788.9/97


asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 76.923+/-106.583 χ²/NDF: 20.7/21
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -259.223+/-97.243 χ²/NDF: 20.4/27
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -106.522+/-71.837 χ²/NDF: 46.5/49
In: -0.791+/-66.377 χ²/NDF:48.8/44
Out: 70.588+/-62.848 χ²/NDF:70.8/52
All: 36.846+/-45.637 χ²/NDF: 120.2/97



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

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

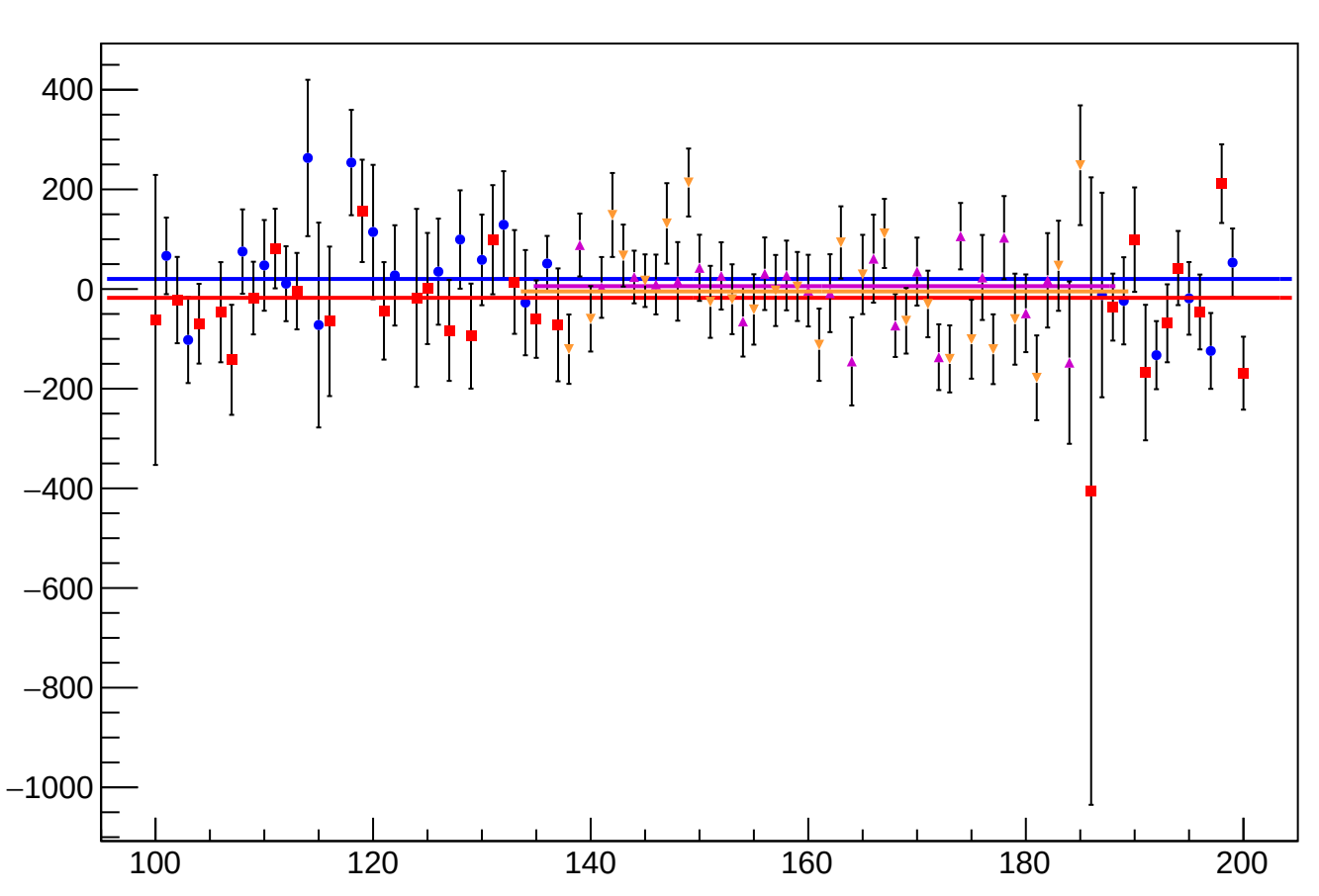
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 340.578+/-0.051 χ^2/NDF: 4865898.4/49

In: 353.425+/-0.047 χ^2/NDF:2557290.8/44

Out: 349.351+/-0.044 χ^2/NDF:3582878.8/52

All: 351.277+/-0.032 χ^2/NDF: 6144143.1/97



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

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

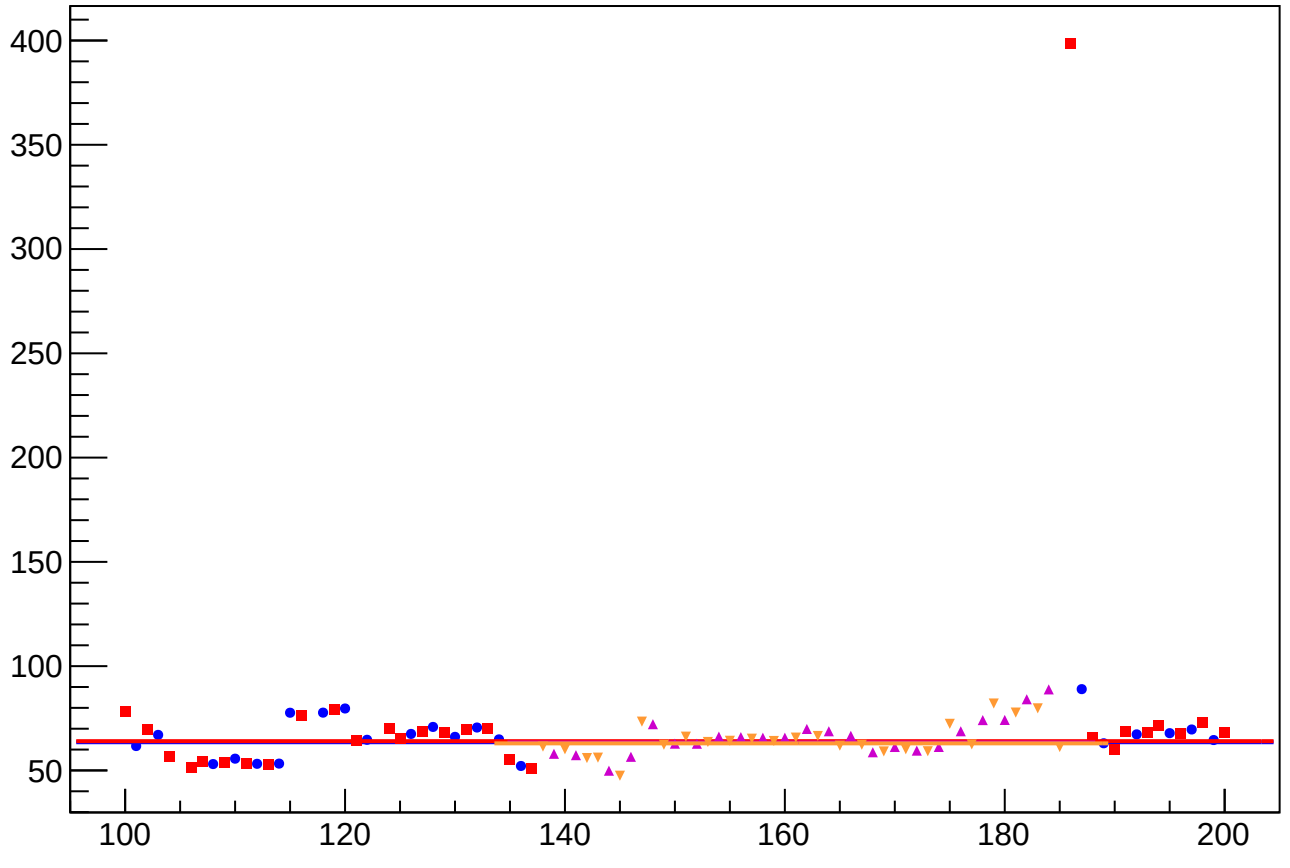
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 0.043+/-12.908 χ^2/NDF: 50.8/49

In: 11.332+/-11.712 χ^2/NDF:41.3/44

Out: -9.906+/-11.181 χ^2/NDF:73.6/52

All: 0.221+/-8.087 χ^2/NDF: 116.7/97



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

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

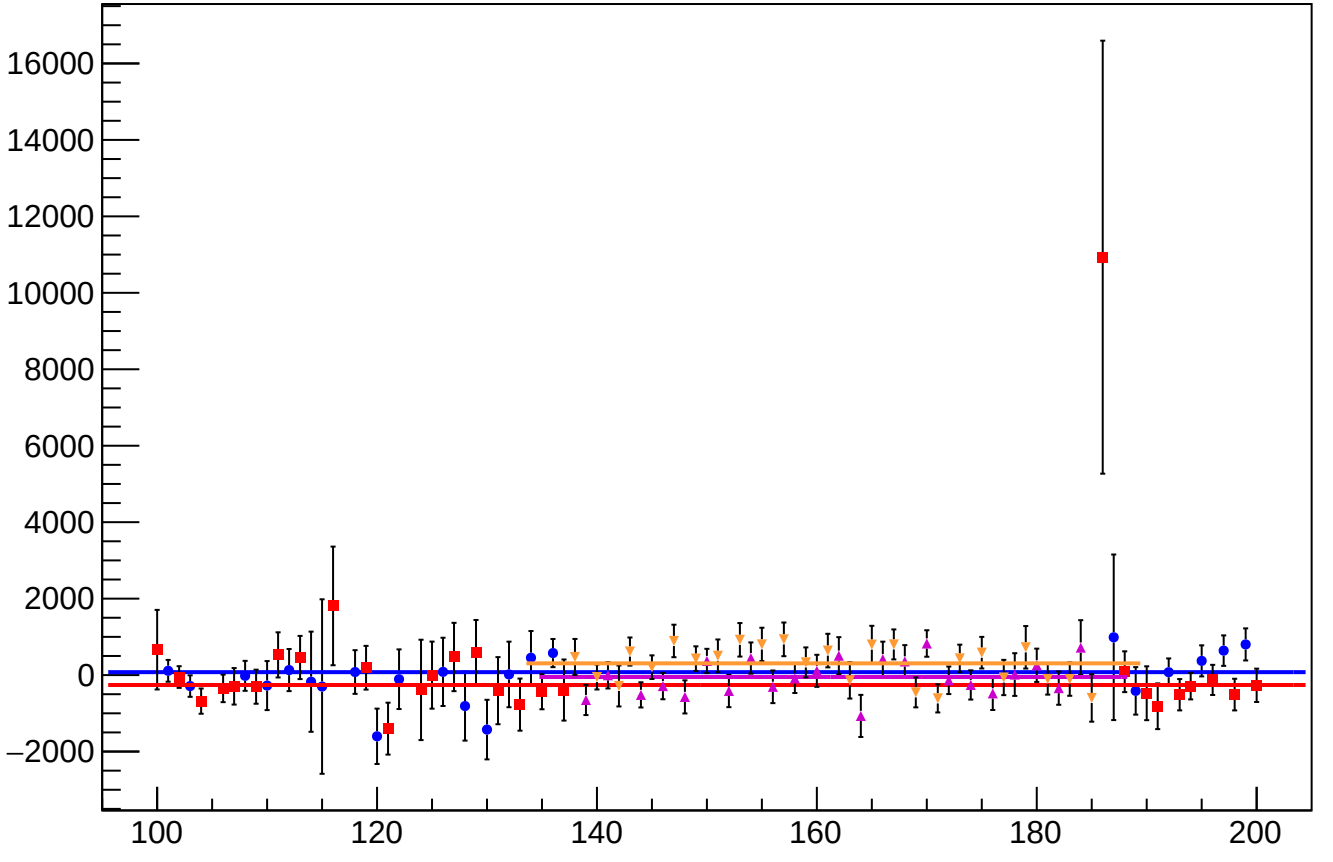
Right: 63.793+/-0.009 χ^2/NDF: 1297419.9/49

In: 63.425+/-0.008 χ^2/NDF:834204.7/44

Out: 63.398+/-0.008 χ^2/NDF:1490578.3/52

All: 63.411+/-0.006 χ^2/NDF: 2324788.9/97

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

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

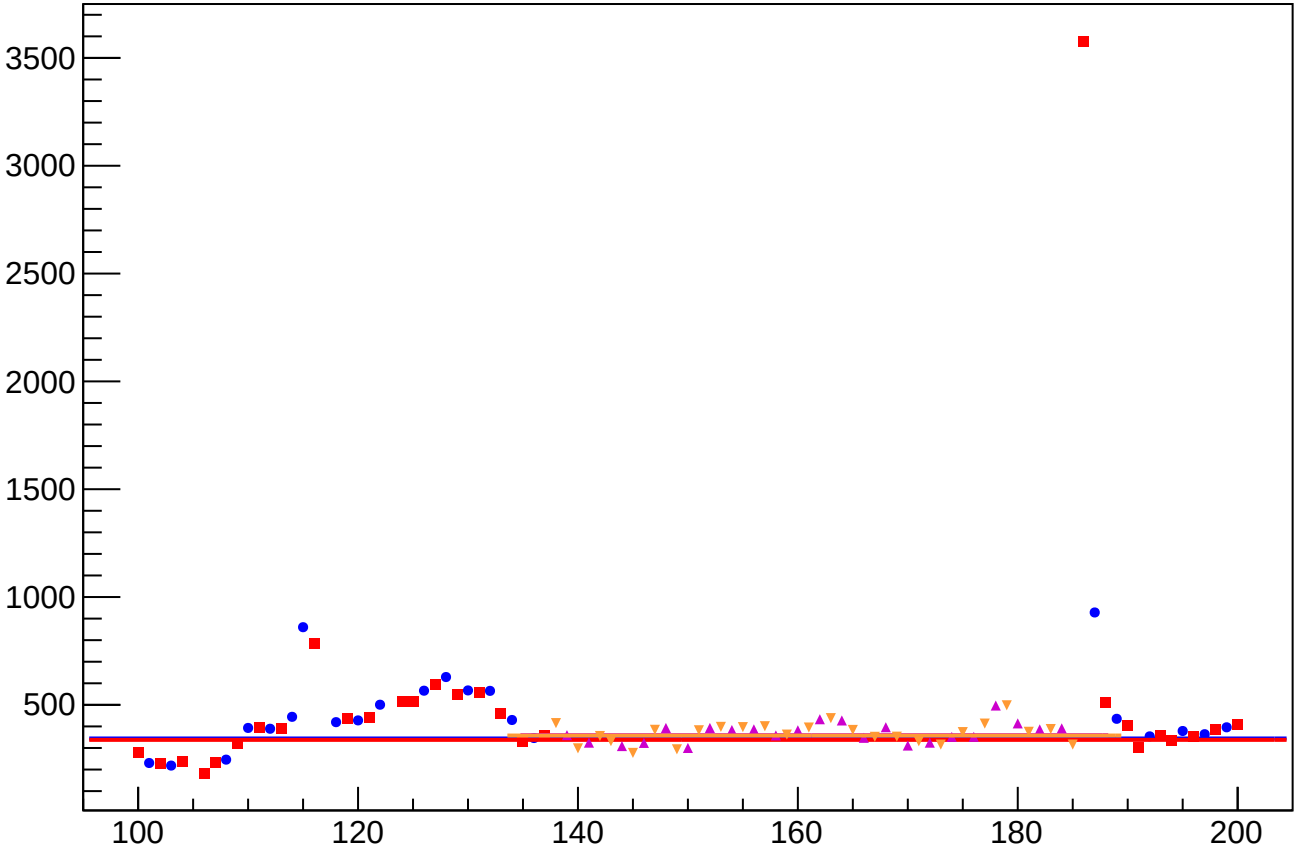
Right: -106.522+/-71.837 χ^2/NDF: 46.5/49

In: -0.791+/-66.377 χ^2/NDF:48.8/44

Out: 70.588+/-62.848 χ^2/NDF:70.8/52

All: 36.846+/-45.637 χ^2/NDF: 120.2/97

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

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

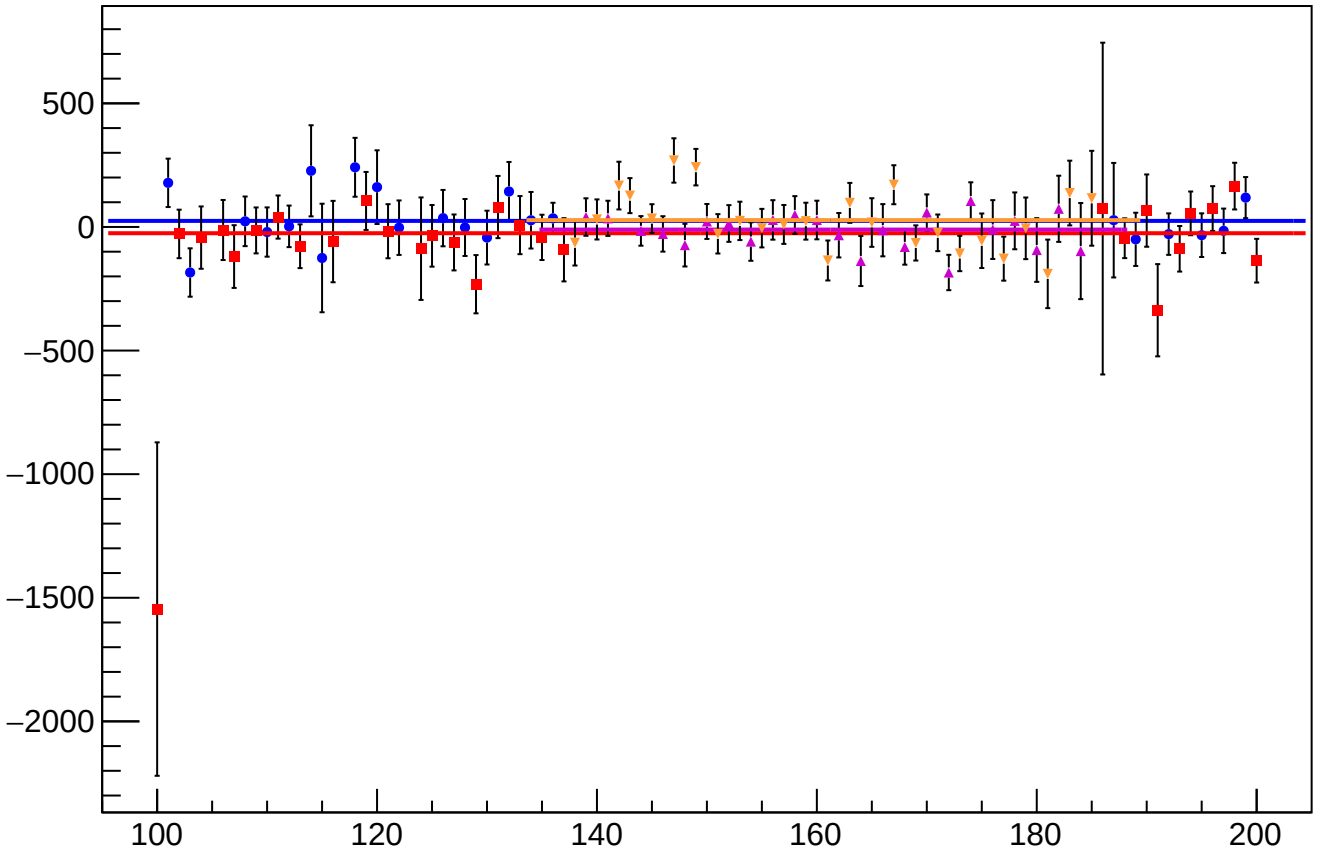
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 340.578+/-0.051 χ^2/NDF: 4865898.4/49

In: 353.425+/-0.047 χ^2/NDF:2557290.8/44

Out: 349.351+/-0.044 χ^2/NDF:3582878.8/52

All: 351.277+/-0.032 χ^2/NDF: 6144143.1/97



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

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

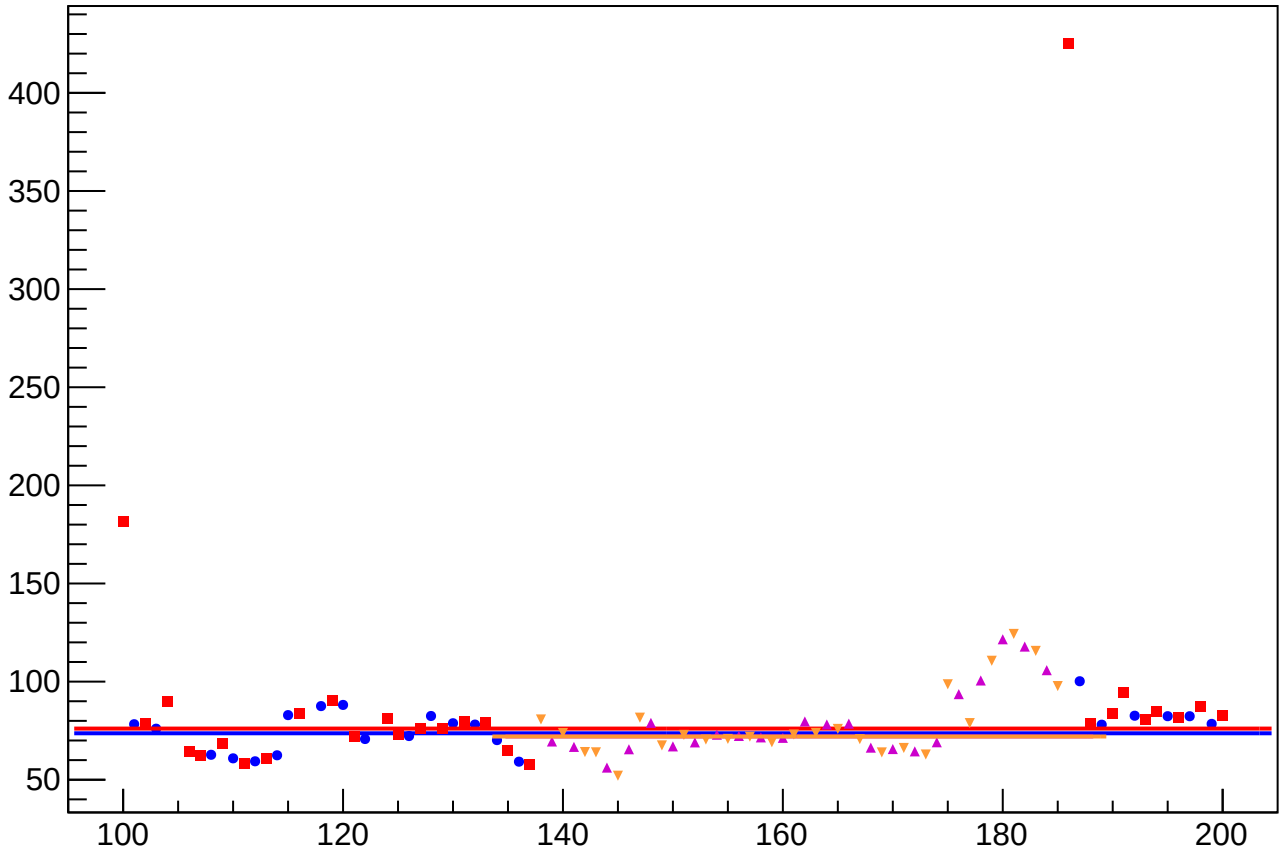
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.435+/-15.186 χ^2/NDF: 43.8/49

In: 2.841+/-13.550 χ^2/NDF:35.1/44

Out: 7.105+/-13.100 χ^2/NDF:69.9/52

All: 5.045+/-9.418 χ^2/NDF: 105.0/97



Right In: 73.674+/-0.016 χ^2/NDF: 401507.5/21

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

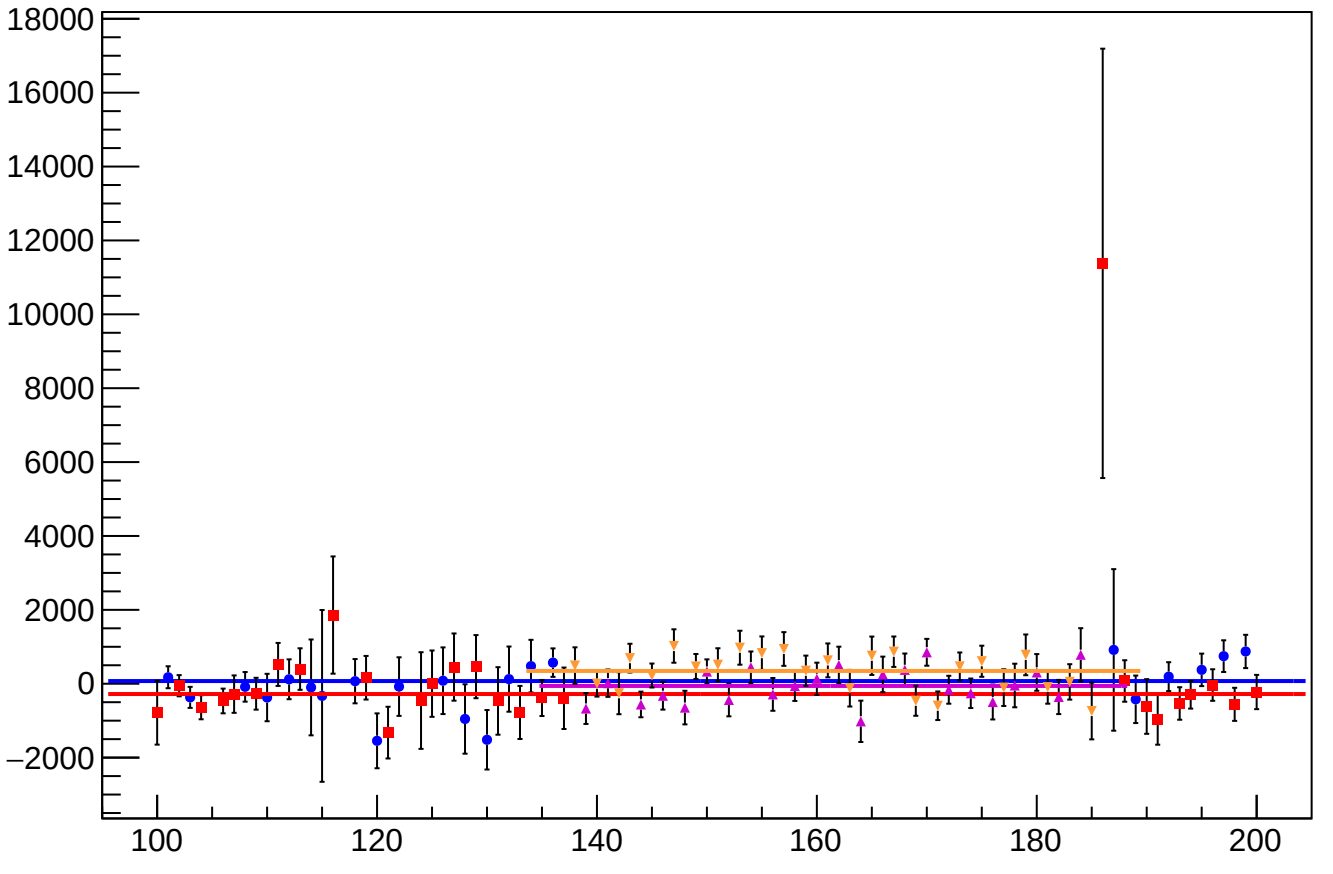
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.922+/-0.011 χ^2/NDF: 1438740.6/49

In: 72.695+/-0.010 χ^2/NDF:1466792.6/44

Out: 73.603+/-0.009 χ^2/NDF:2339179.6/52

All: 73.164+/-0.007 χ^2/NDF: 3810609.5/97



Right In: 72.583+/-110.881 χ^2/NDF: 22.0/21

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

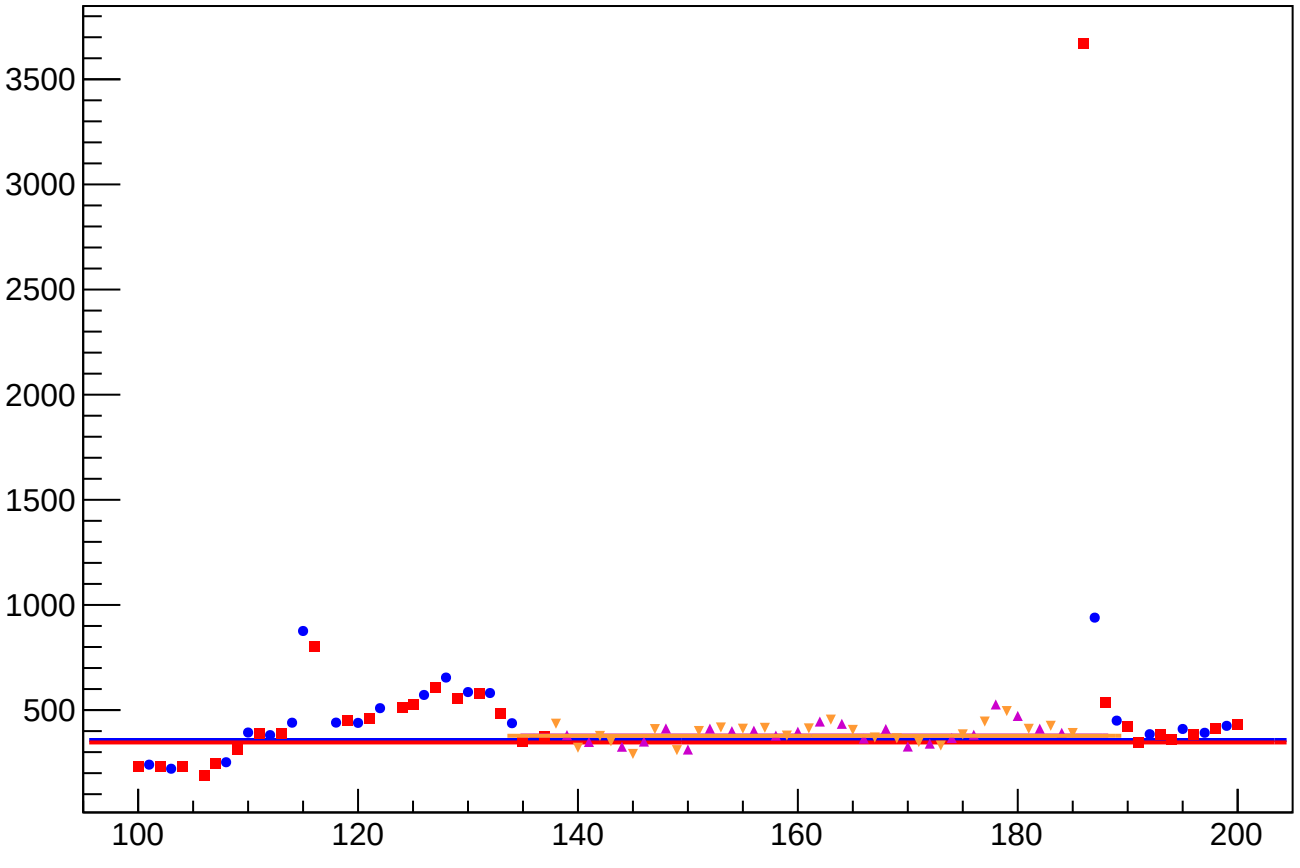
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -121.591+/-74.187 χ^2/NDF: 46.8/49

In: -7.704+/-69.602 χ^2/NDF:48.8/44

Out: 76.822+/-65.510 χ^2/NDF:70.5/52

All: 37.117+/-47.703 χ^2/NDF: 120.0/97



Right In: 357.662+/-0.078 χ^2/NDF: 2070587.9/21

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

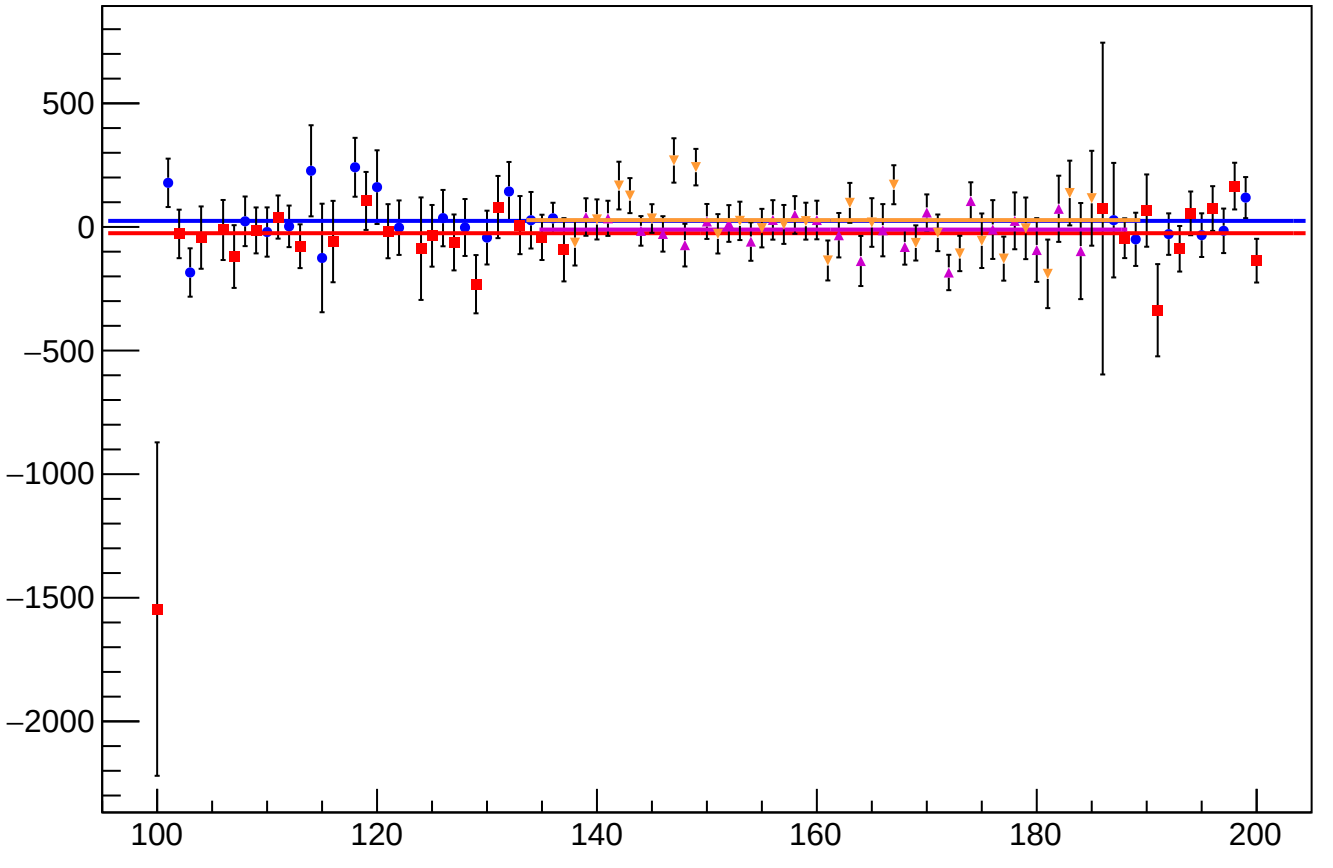
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 351.226+/-0.052 χ^2/NDF: 5184264.3/49

In: 370.513+/-0.049 χ^2/NDF:2642606.8/44

Out: 364.106+/-0.046 χ^2/NDF:3853650.2/52

All: 367.116+/-0.034 χ^2/NDF: 6505242.3/97



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

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

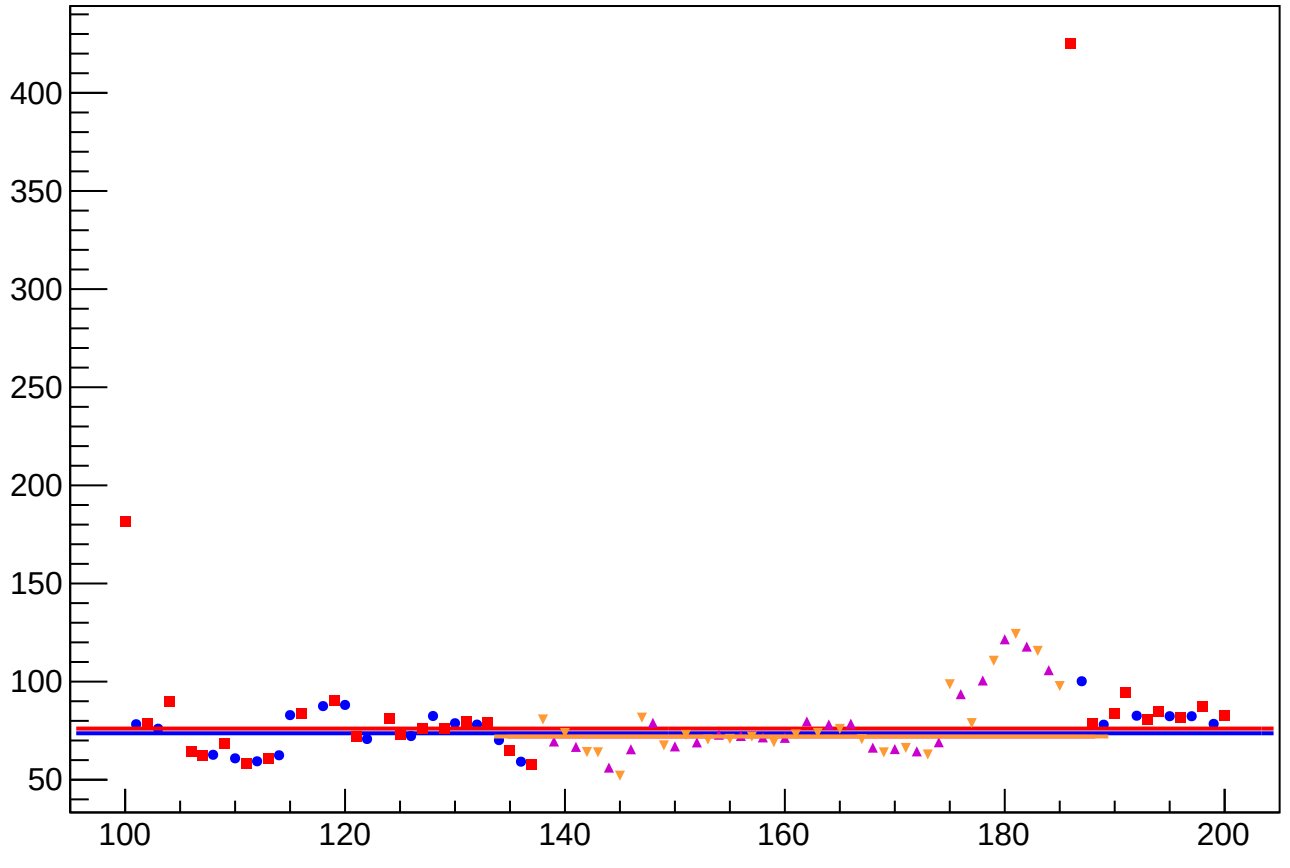
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.435+/-15.186 χ^2/NDF: 43.8/49

In: 2.841+/-13.550 χ^2/NDF:35.1/44

Out: 7.105+/-13.100 χ^2/NDF:69.9/52

All: 5.045+/-9.418 χ^2/NDF: 105.0/97



Right In: 73.674+/-0.016 χ^2/NDF: 401504.9/21

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

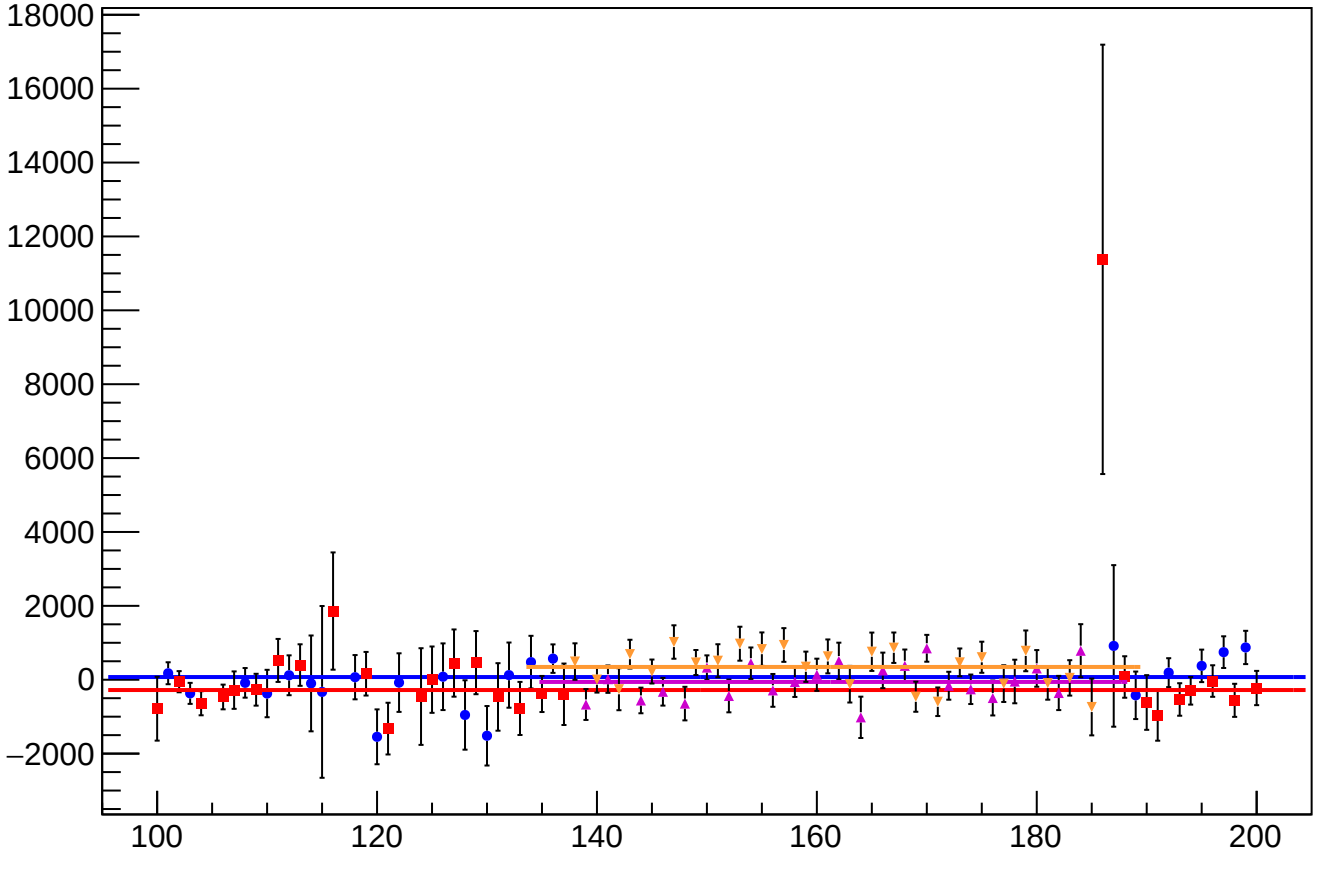
Right: 74.922+/-0.011 χ^2/NDF: 1438733.2/49

In: 72.695+/-0.010 χ^2/NDF:1466780.8/44

Out: 73.602+/-0.009 χ^2/NDF:2339182.5/52

All: 73.164+/-0.007 χ^2/NDF: 3810600.2/97

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 72.582+/-110.881 χ^2/NDF: 22.0/21

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

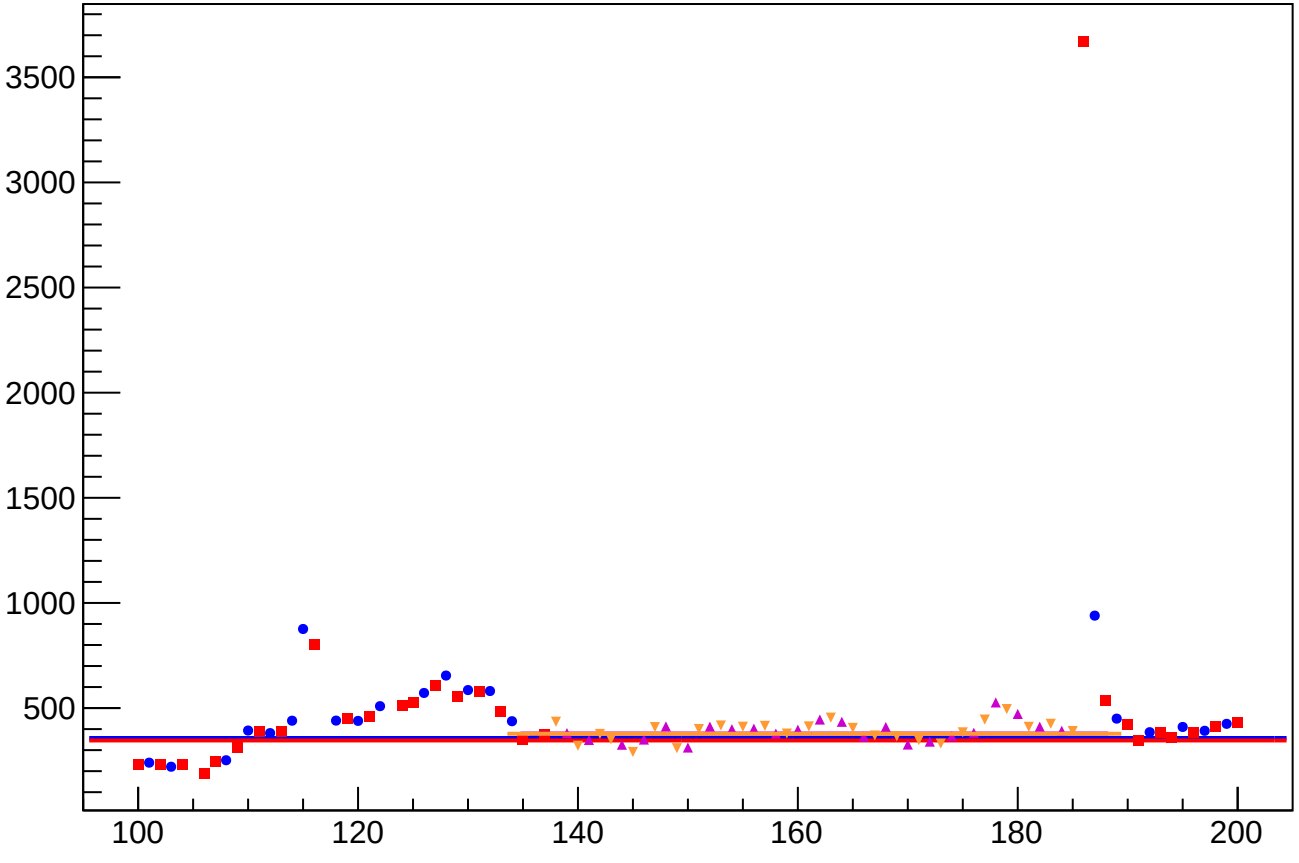
Right: -121.591+/-74.187 χ^2/NDF: 46.8/49

In: -7.704+/-69.602 χ^2/NDF:48.8/44

Out: 76.821+/-65.510 χ^2/NDF:70.5/52

All: 37.116+/-47.703 χ^2/NDF: 120.0/97

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 357.662+/-0.078 χ^2/NDF: 2070583.4/21

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

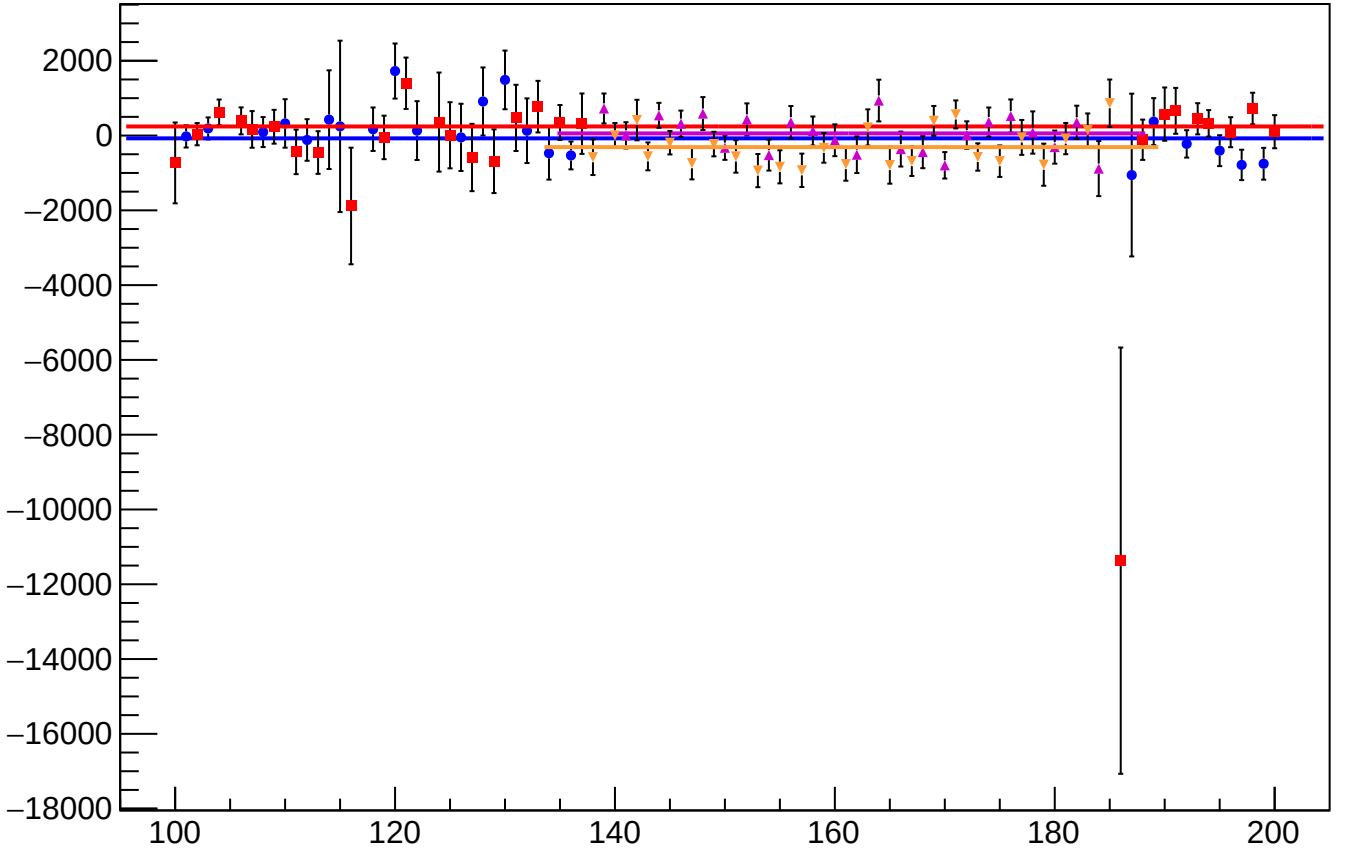
Right: 351.226+/-0.052 χ^2/NDF: 5184248.3/49

In: 370.513+/-0.049 χ^2/NDF:2642596.5/44

Out: 364.106+/-0.046 χ^2/NDF:3853637.2/52

All: 367.116+/-0.034 χ^2/NDF: 6505219.5/97

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -74.747+/-109.012 χ^2/NDF: 21.9/21

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

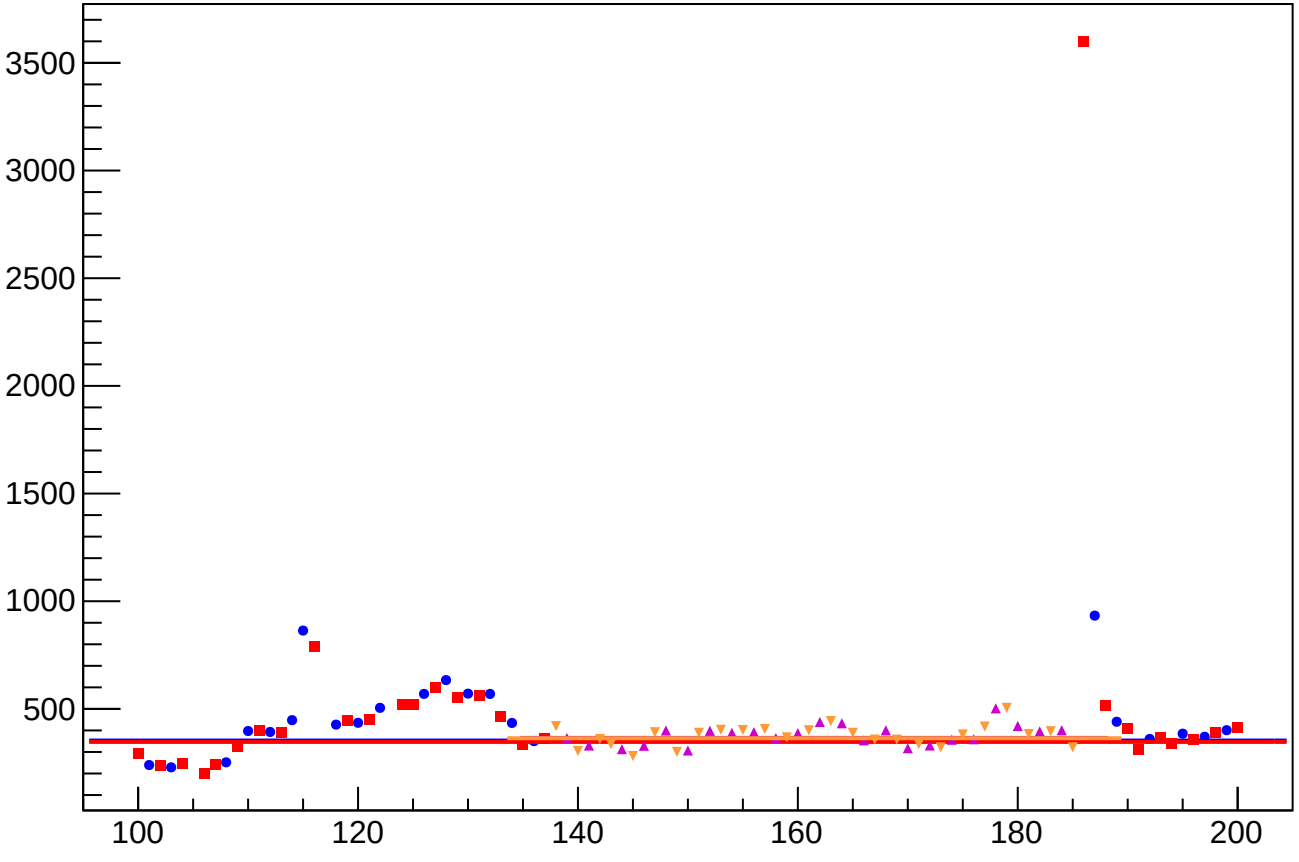
Right: 99.161+/-73.384 χ^2/NDF: 47.0/49

In: 6.631+/-67.627 χ^2/NDF:50.8/44

Out: -79.604+/-63.983 χ^2/NDF:68.5/52

All: -38.872+/-46.478 χ^2/NDF: 120.1/97

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 353.066+/-0.077 χ^2/NDF: 1874427.1/21

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

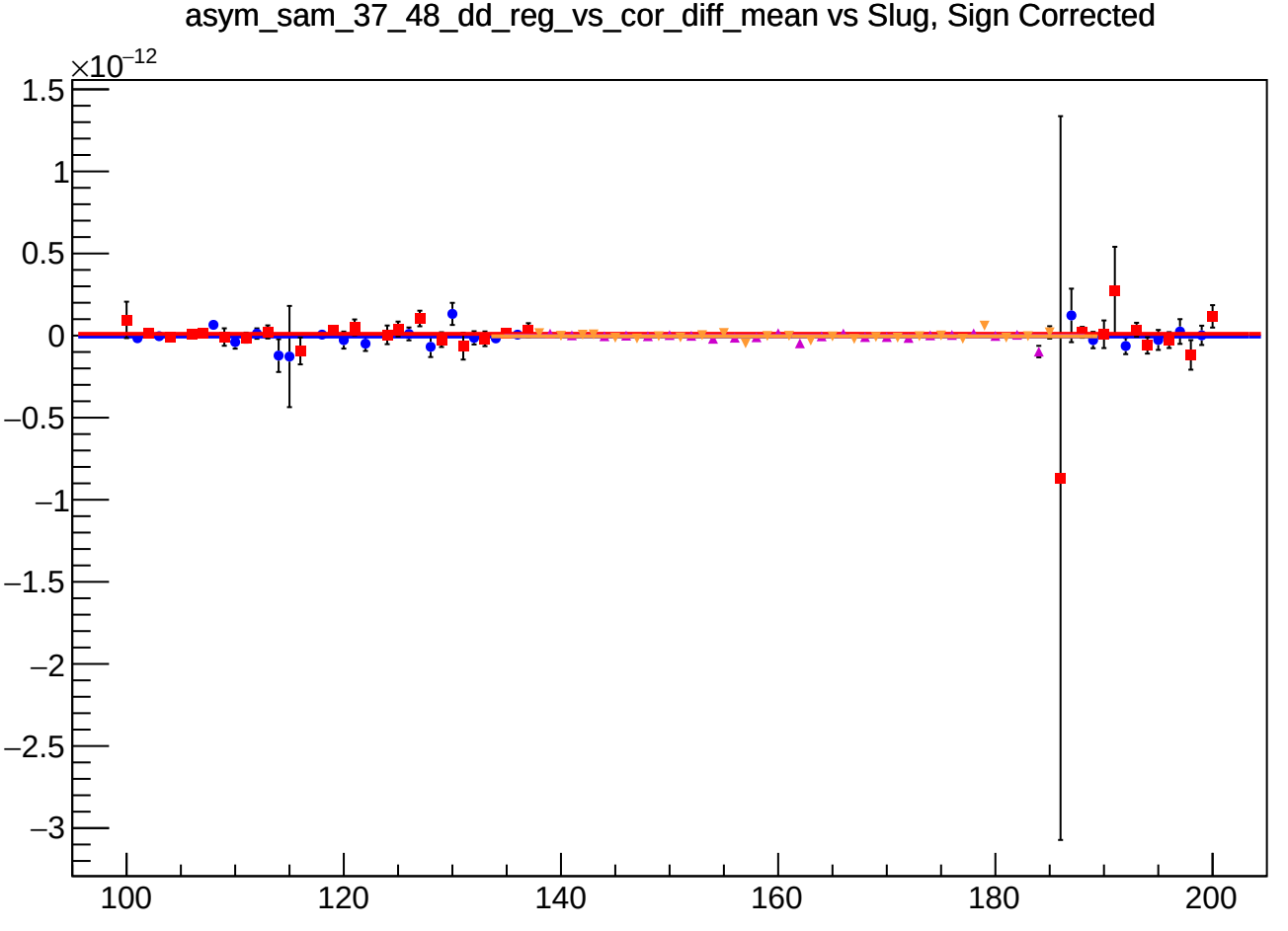
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 349.585+/-0.052 χ^2/NDF: 4549292.2/49

In: 360.606+/-0.048 χ^2/NDF:2399479.8/44

Out: 356.641+/-0.045 χ^2/NDF:3374729.1/52

All: 358.514+/-0.033 χ^2/NDF: 5777836.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

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

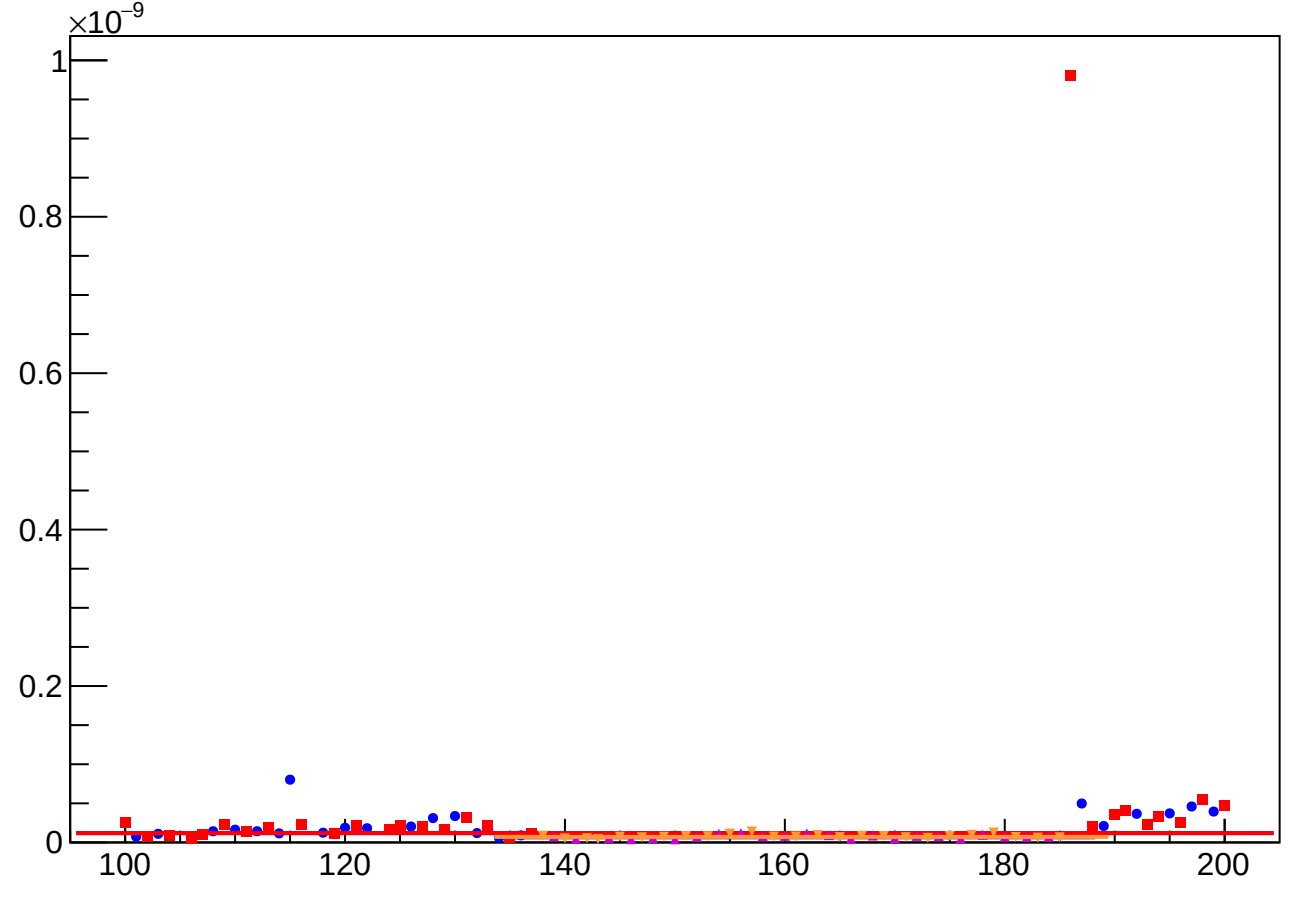
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 43.4/49

In: -0.000+/-0.000 χ^2/NDF:41.1/44

Out: -0.000+/-0.000 χ^2/NDF:47.8/52

All: -0.000+/-0.000 χ^2/NDF: 89.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 3150523.3/21

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

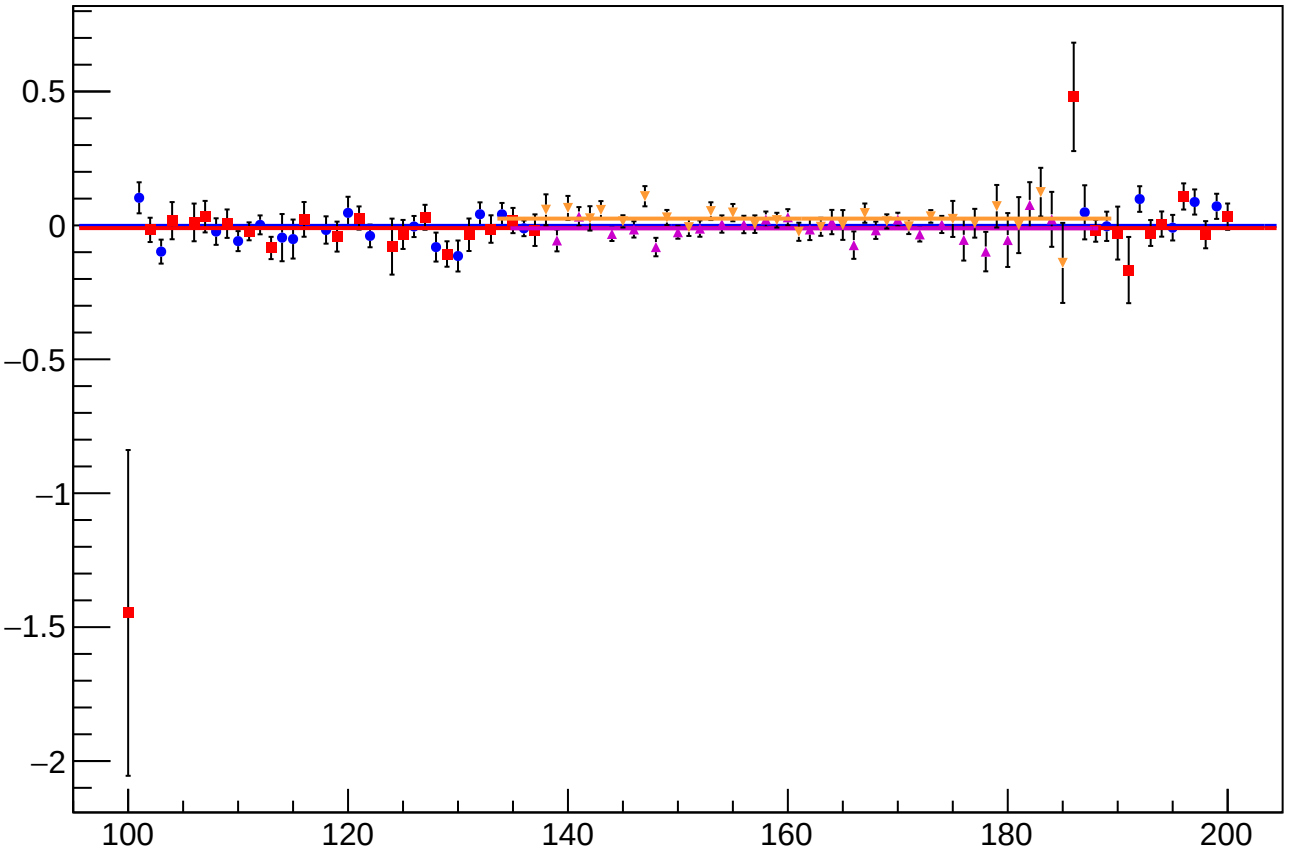
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7108972.6/49

In: 0.000+/-0.000 χ^2/NDF:5676787.1/44

Out: 0.000+/-0.000 χ^2/NDF:5870894.1/52

All: 0.000+/-0.000 χ^2/NDF: 11609231.5/97



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

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

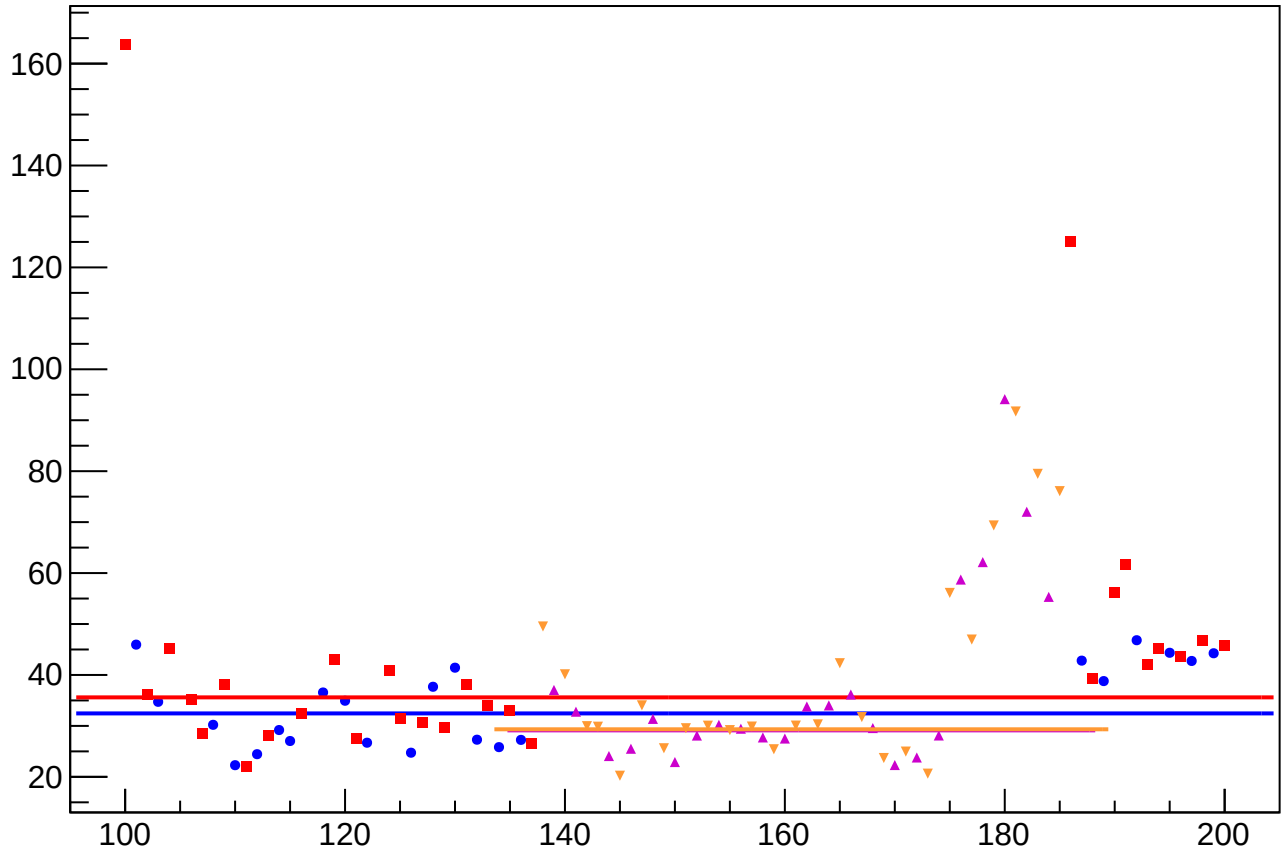
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.006+/-0.007 χ^2/NDF: 63.5/49

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 114.8/97



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

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

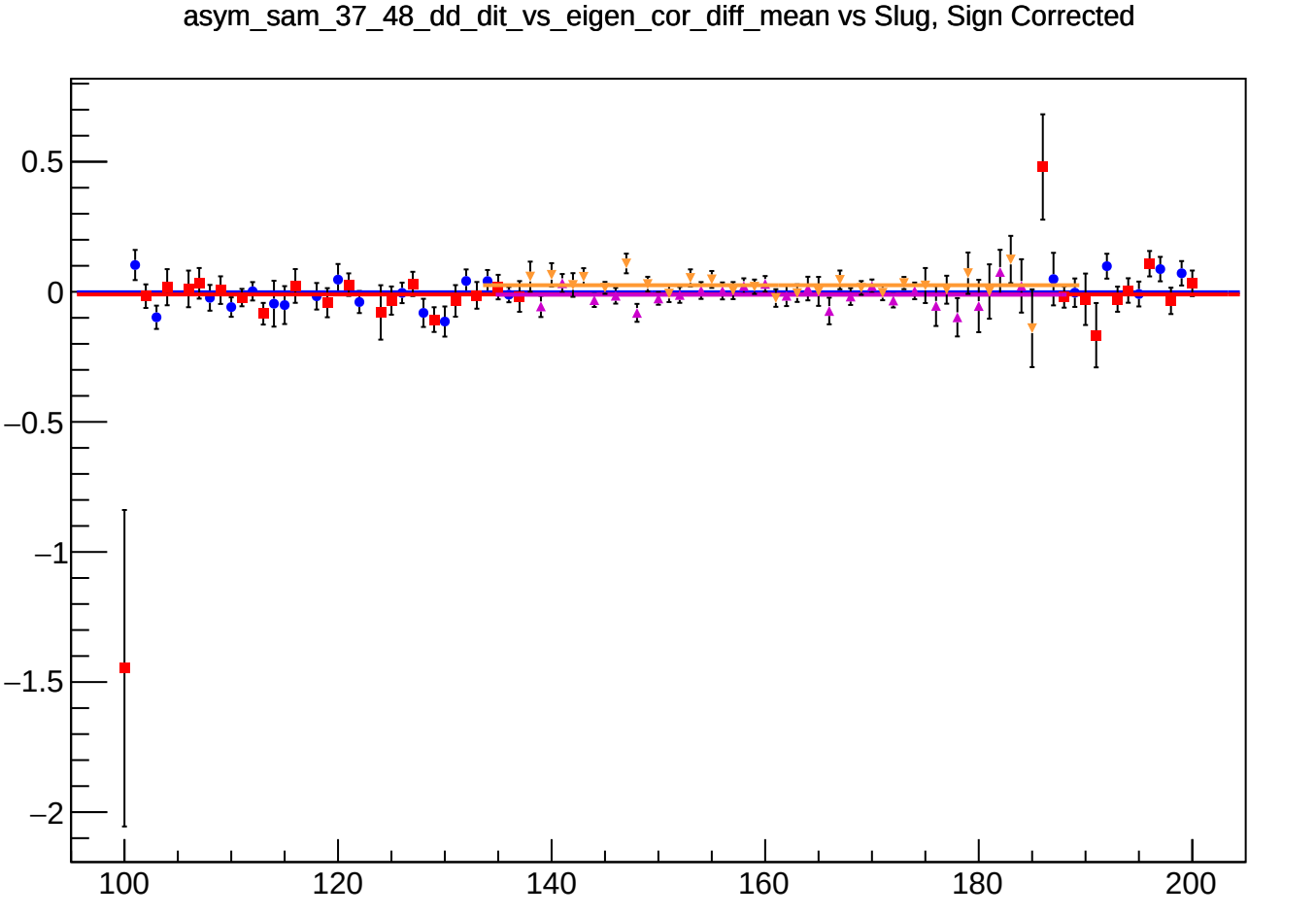
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.006+/-0.005 χ^2/NDF: 3117852.7/49

In: 30.280+/-0.004 χ^2/NDF:4276102.7/44

Out: 31.426+/-0.004 χ^2/NDF:6111027.1/52

All: 30.856+/-0.003 χ^2/NDF: 10425163.7/97



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

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

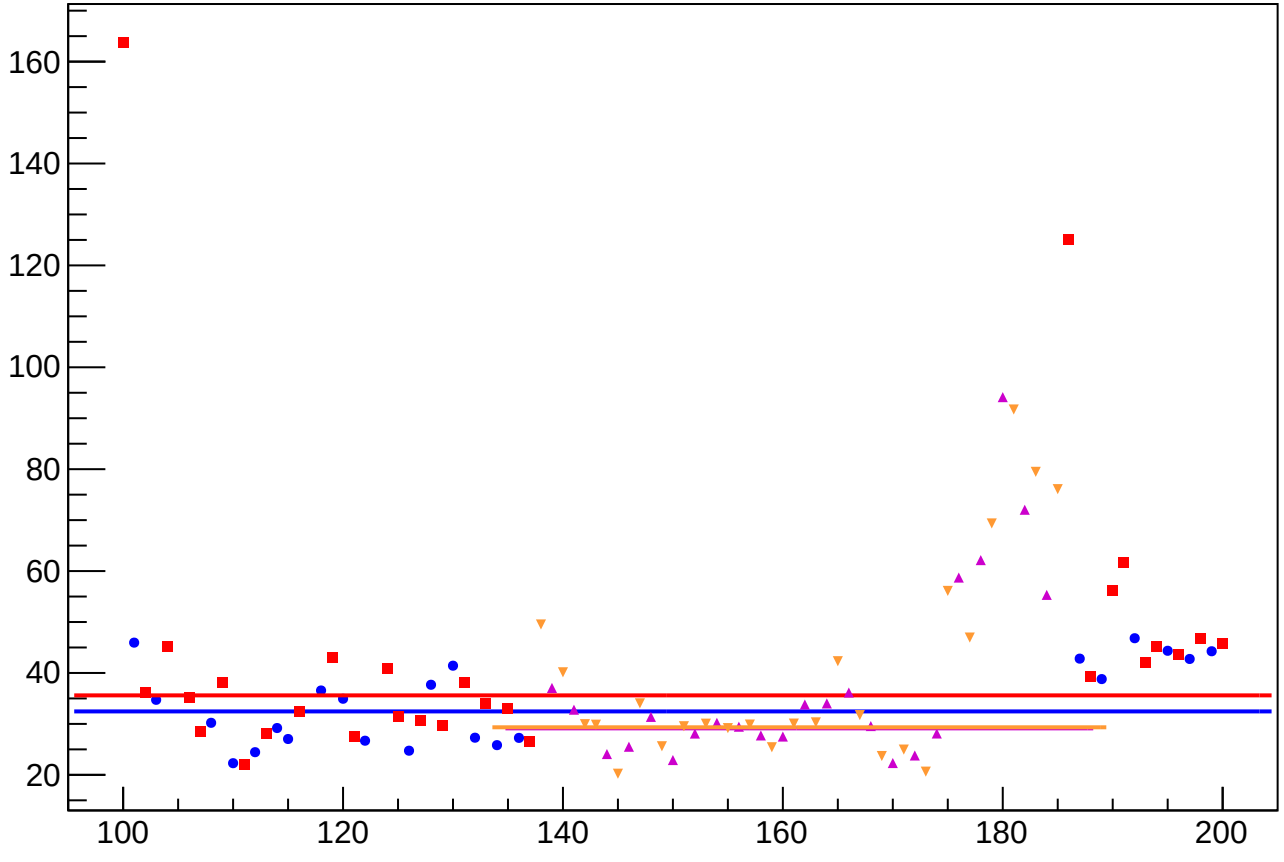
Right: -0.006+/-0.007 χ^2/NDF: 63.5/49

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 114.8/97

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

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

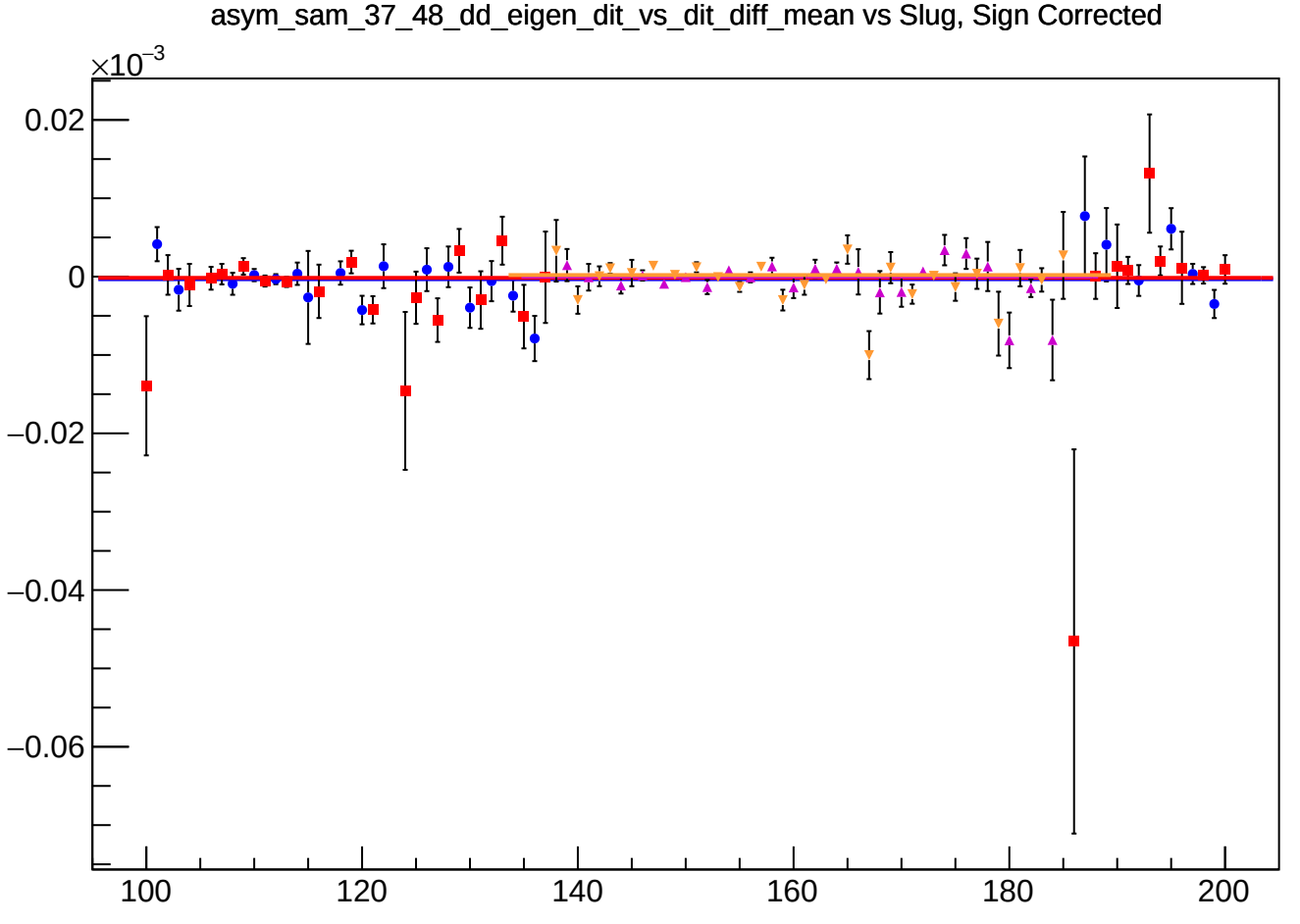
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.006+/-0.005 χ^2/NDF: 3117852.7/49

In: 30.280+/-0.004 χ^2/NDF:4276102.7/44

Out: 31.426+/-0.004 χ^2/NDF:6111027.1/52

All: 30.856+/-0.003 χ^2/NDF: 10425163.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/21

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

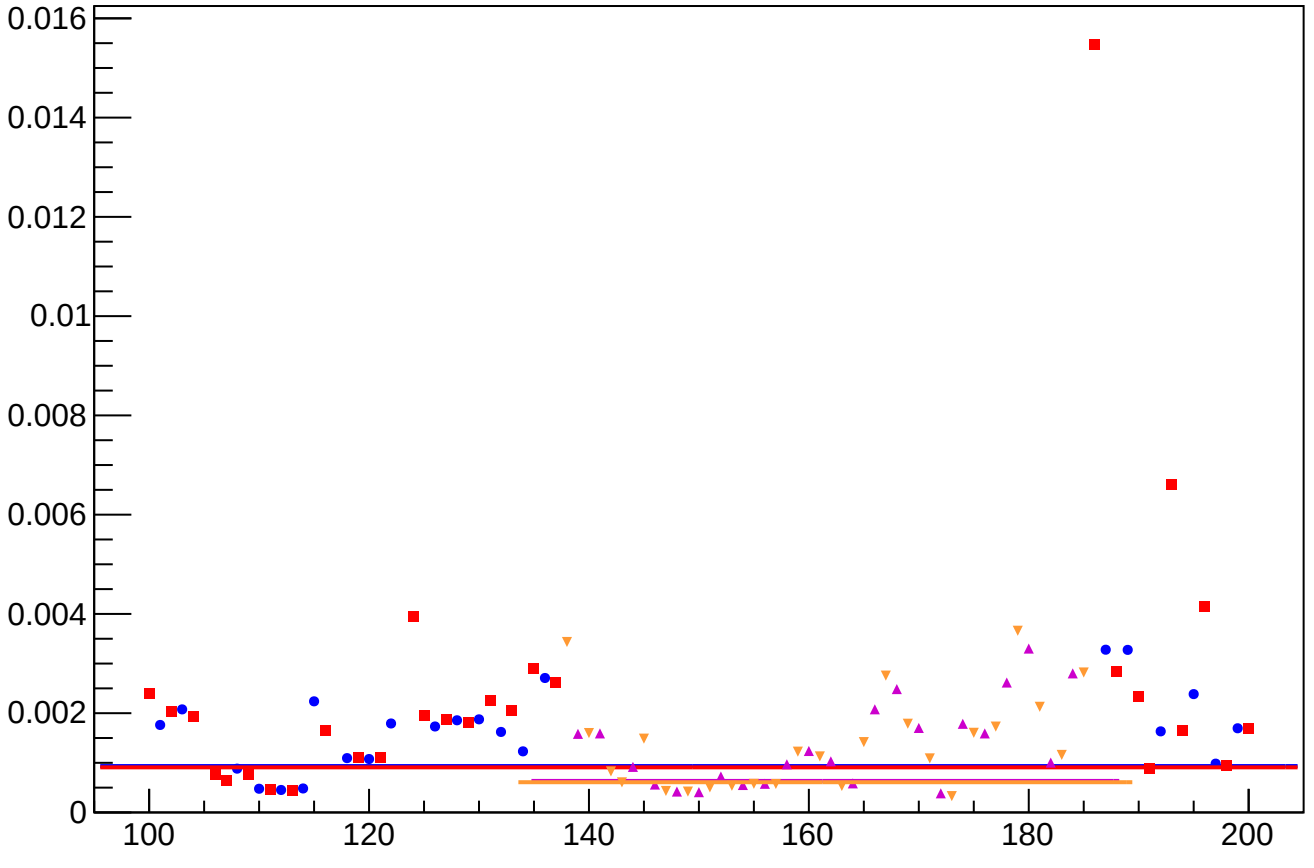
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.4/49

In: -0.000+/-0.000 χ^2/NDF:66.3/44

Out: 0.000+/-0.000 χ^2/NDF:88.3/52

All: 0.000+/-0.000 χ^2/NDF: 155.3/97



Right In: 0.001+/-0.000 χ^2/NDF: 6536448.8/21

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

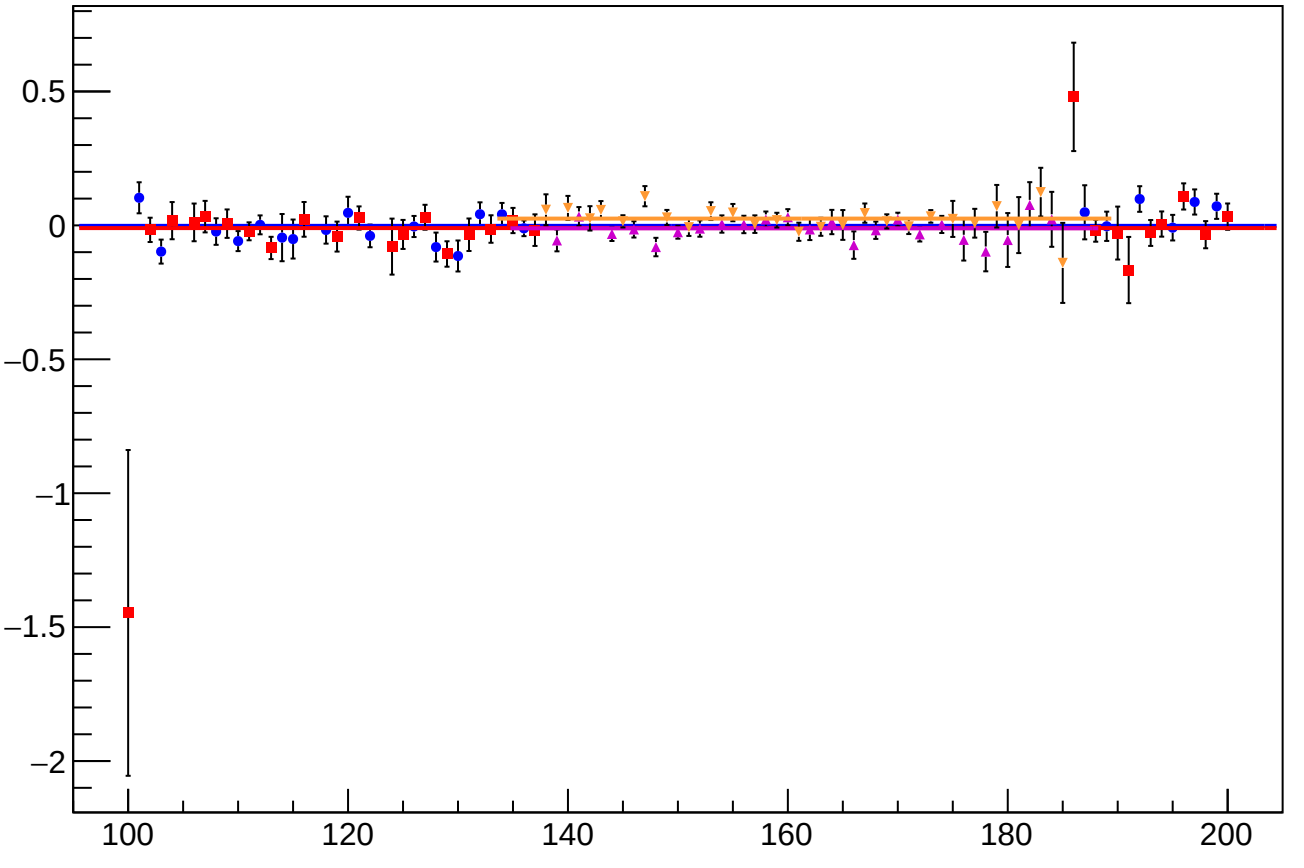
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 16016040.6/49

In: 0.001+/-0.000 χ^2/NDF:17124111.4/44

Out: 0.001+/-0.000 χ^2/NDF:21866453.4/52

All: 0.001+/-0.000 χ^2/NDF: 39016112.2/97



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

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

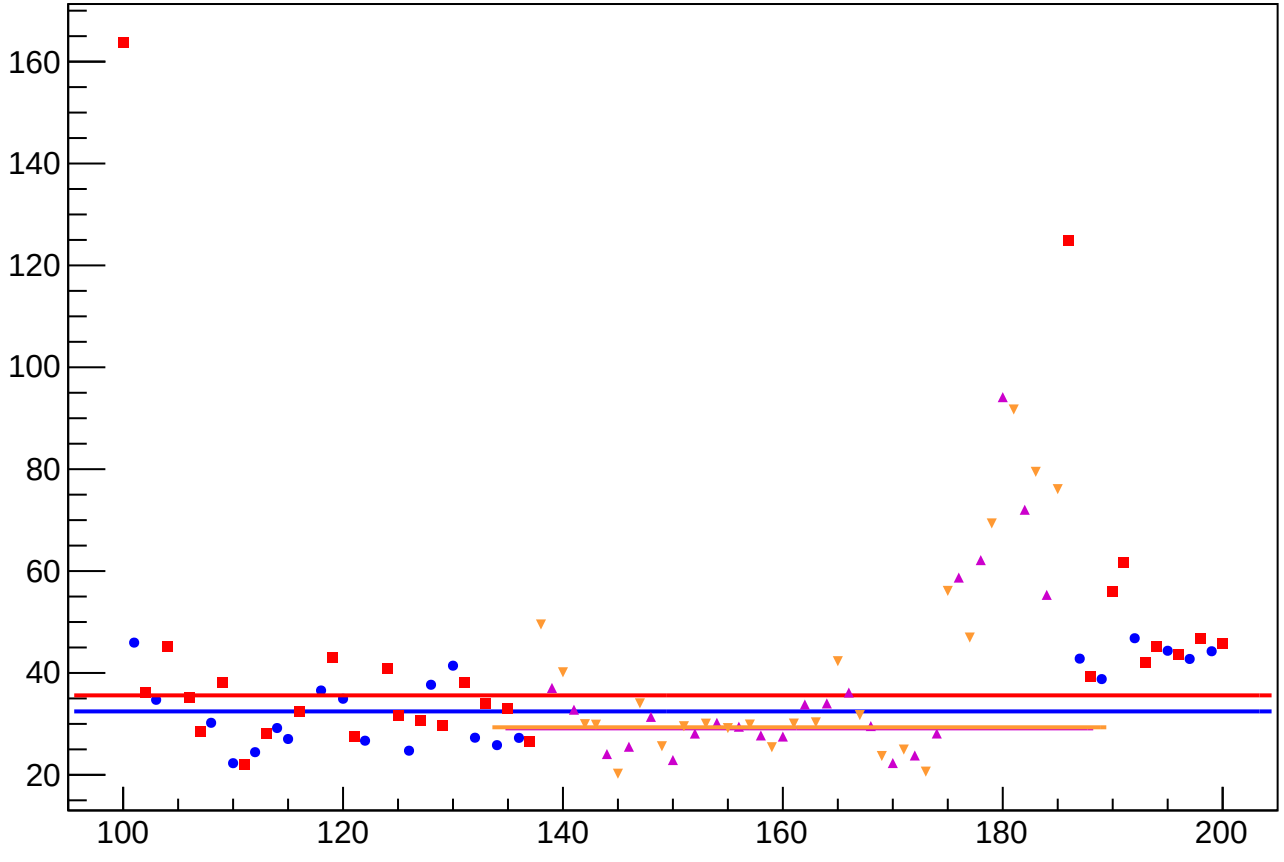
Right: -0.006+/-0.007 χ^2/NDF: 63.5/49

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 114.8/97

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

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

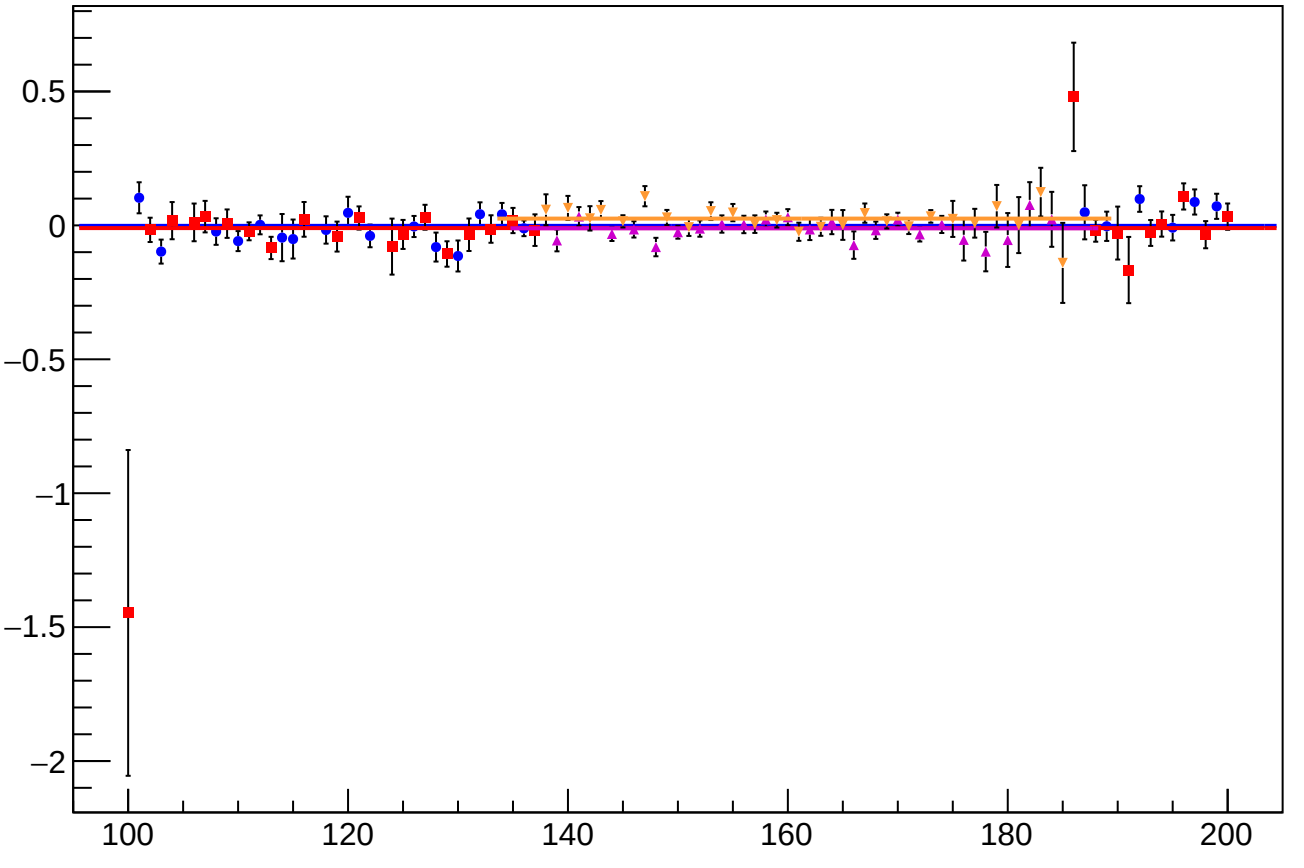
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.006+/-0.005 χ^2/NDF: 3117683.6/49

In: 30.280+/-0.004 χ^2/NDF:4276034.4/44

Out: 31.426+/-0.004 χ^2/NDF:6111023.8/52

All: 30.856+/-0.003 χ^2/NDF: 10425090.2/97



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

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

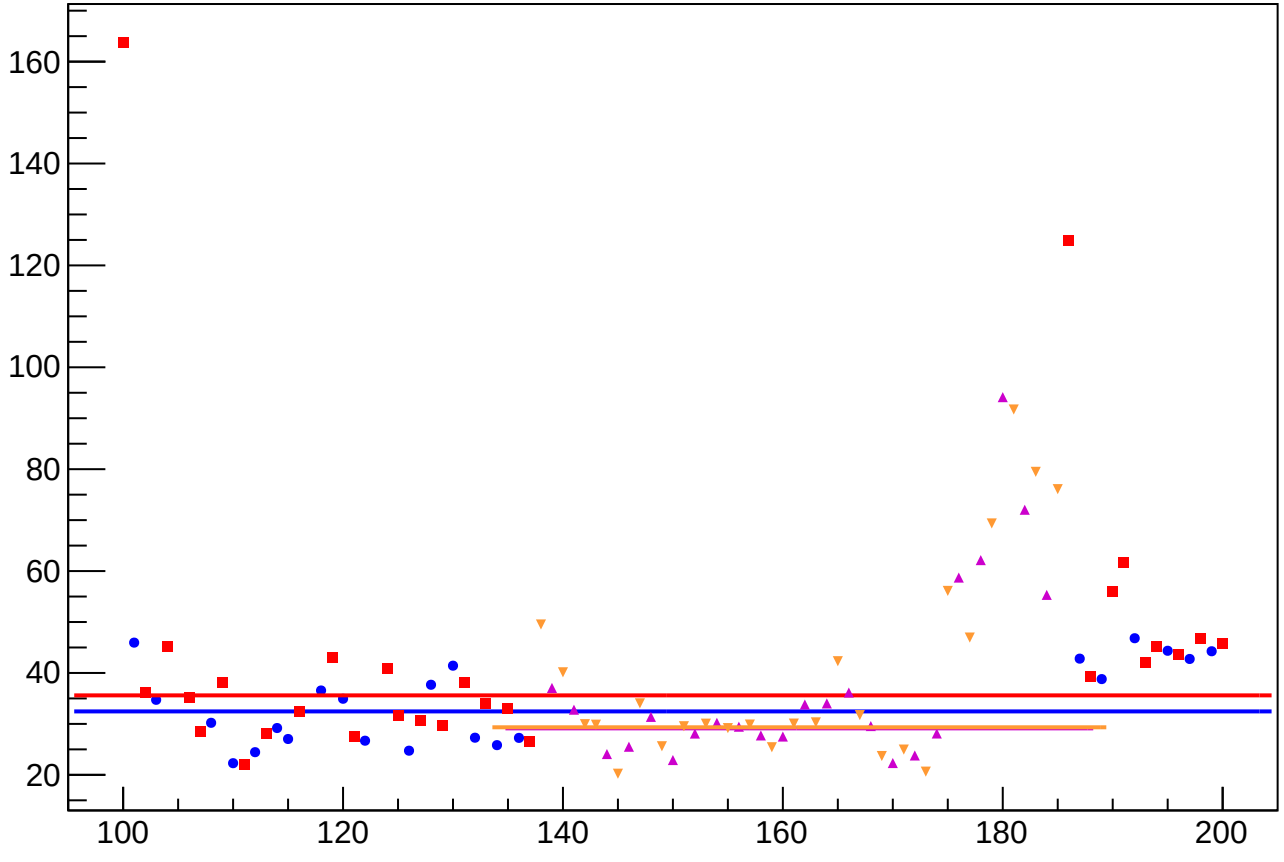
Right: -0.006+/-0.007 χ^2/NDF: 63.5/49

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.014+/-0.006 χ^2/NDF:57.4/52

All: 0.003+/-0.004 χ^2/NDF: 114.8/97

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

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

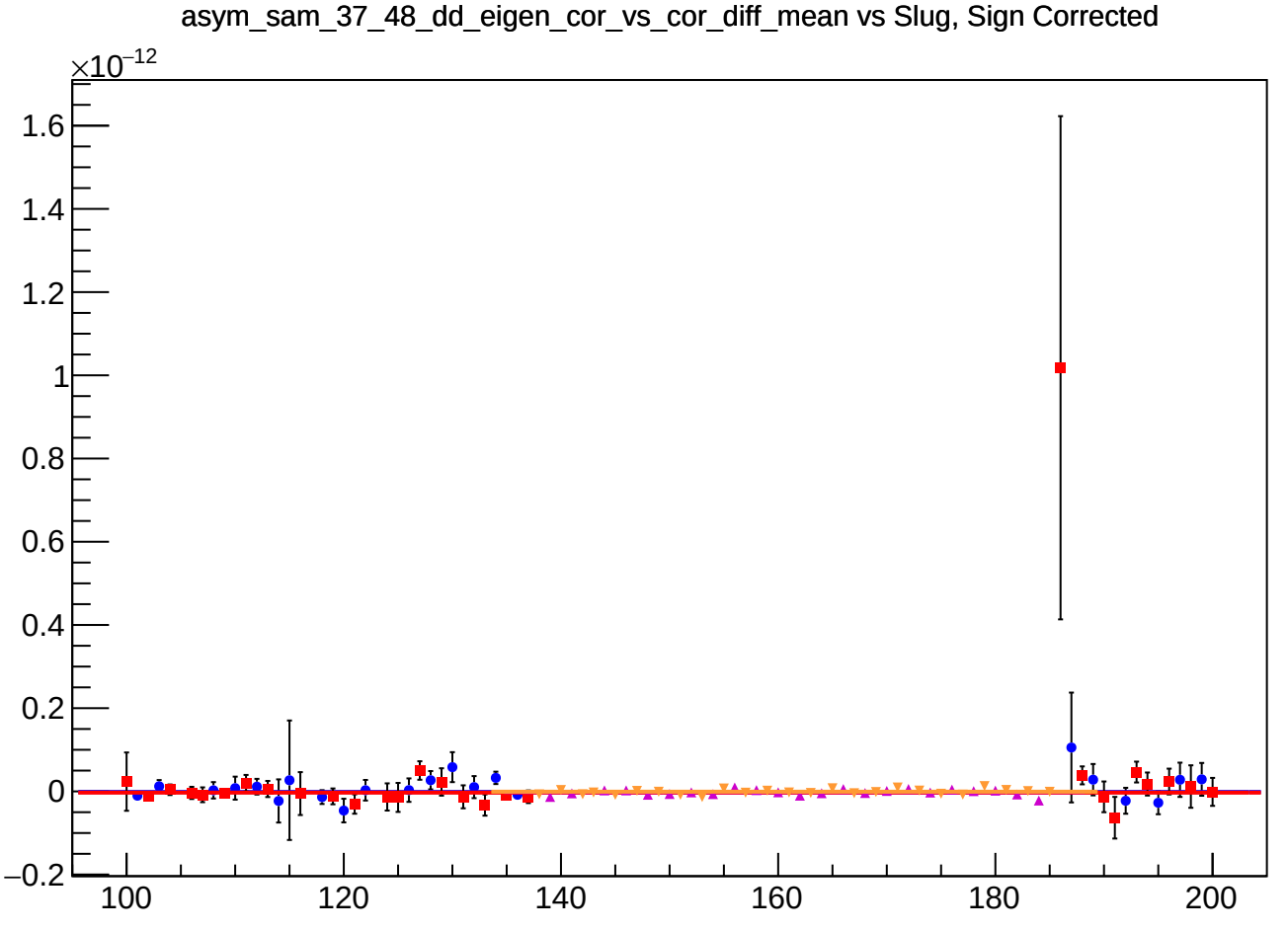
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.006+/-0.005 χ^2/NDF: 3117683.6/49

In: 30.280+/-0.004 χ^2/NDF:4276034.4/44

Out: 31.426+/-0.004 χ^2/NDF:6111023.8/52

All: 30.856+/-0.003 χ^2/NDF: 10425090.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

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

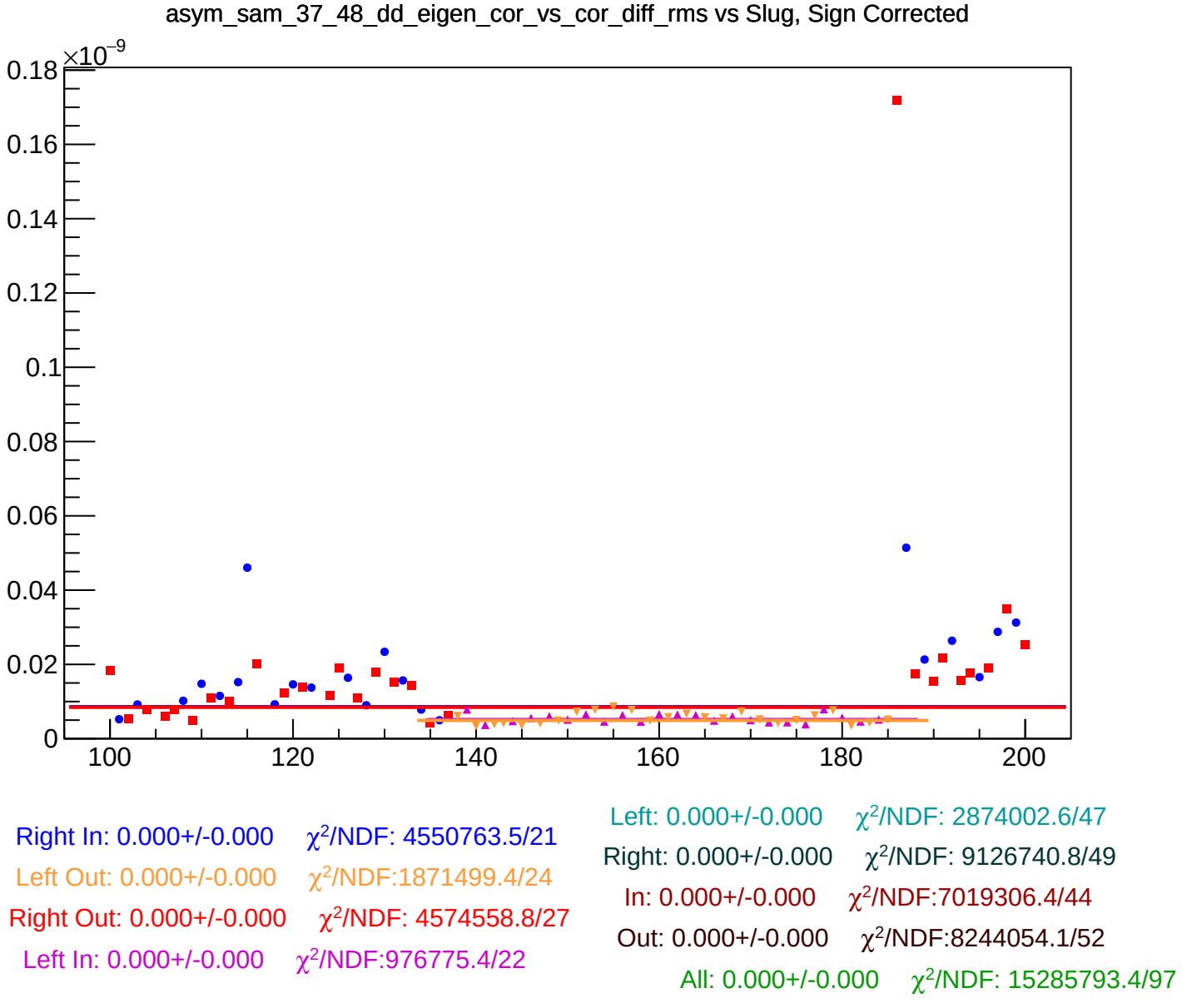
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/49

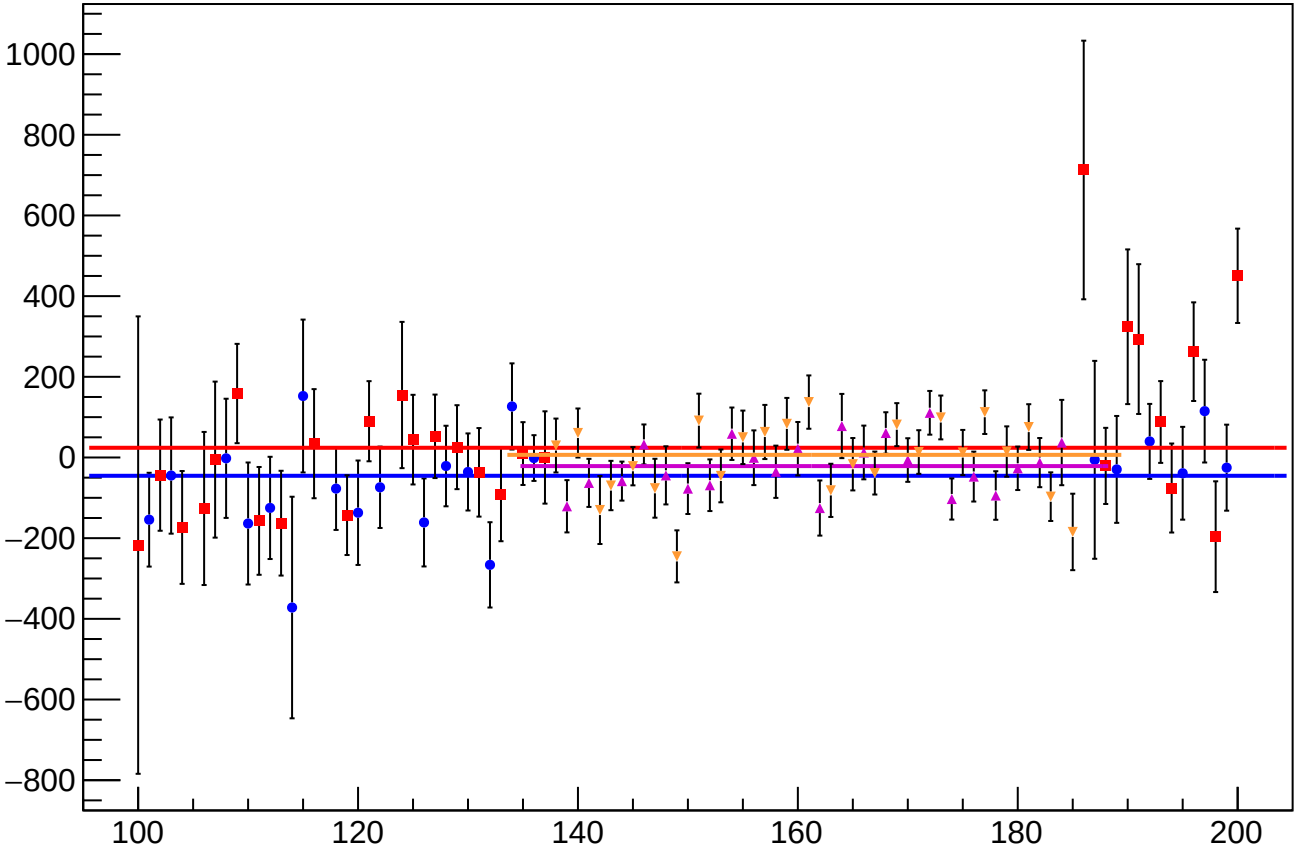
In: -0.000+/-0.000 χ^2/NDF:37.2/44

Out: -0.000+/-0.000 χ^2/NDF:42.6/52

All: -0.000+/-0.000 χ^2/NDF: 79.9/97


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4550763.5/21
Left Out: 0.000+/-0.000 χ²/NDF:1871499.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 4574558.8/27
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
Left: 0.000+/-0.000 χ²/NDF: 2874002.6/47
Right: 0.000+/-0.000 χ²/NDF: 9126740.8/49
In: 0.000+/-0.000 χ²/NDF:7019306.4/44
Out: 0.000+/-0.000 χ²/NDF:8244054.1/52
All: 0.000+/-0.000 χ²/NDF: 15285793.4/97

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -45.362+/-23.804 χ^2/NDF: 16.4/21

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

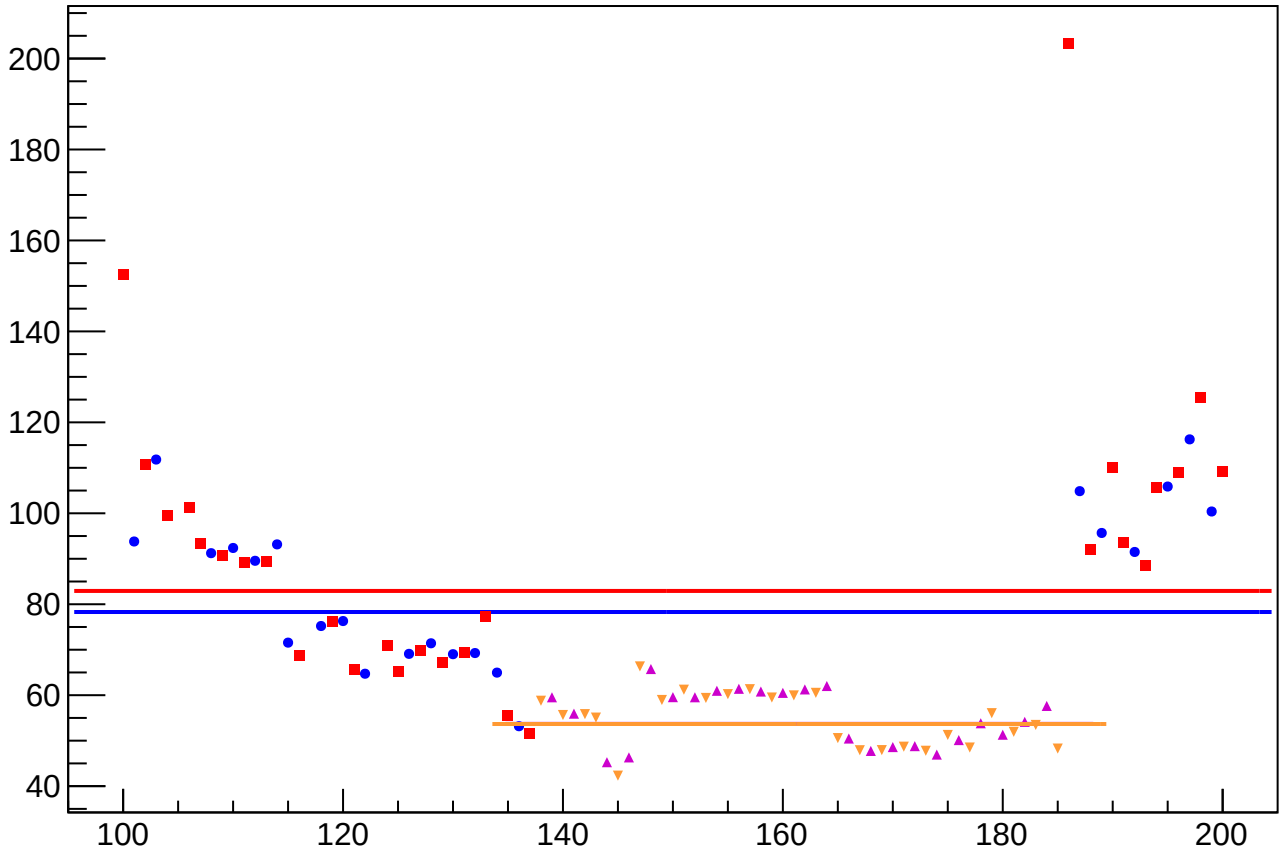
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -9.846+/-16.638 χ^2/NDF: 64.5/49

In: -26.626+/-11.170 χ^2/NDF:42.6/44

Out: 10.352+/-10.865 χ^2/NDF:94.8/52

All: -7.625+/-7.788 χ^2/NDF: 143.0/97



Right In: 78.293+/-0.017 χ^2/NDF: 1196912.7/21

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

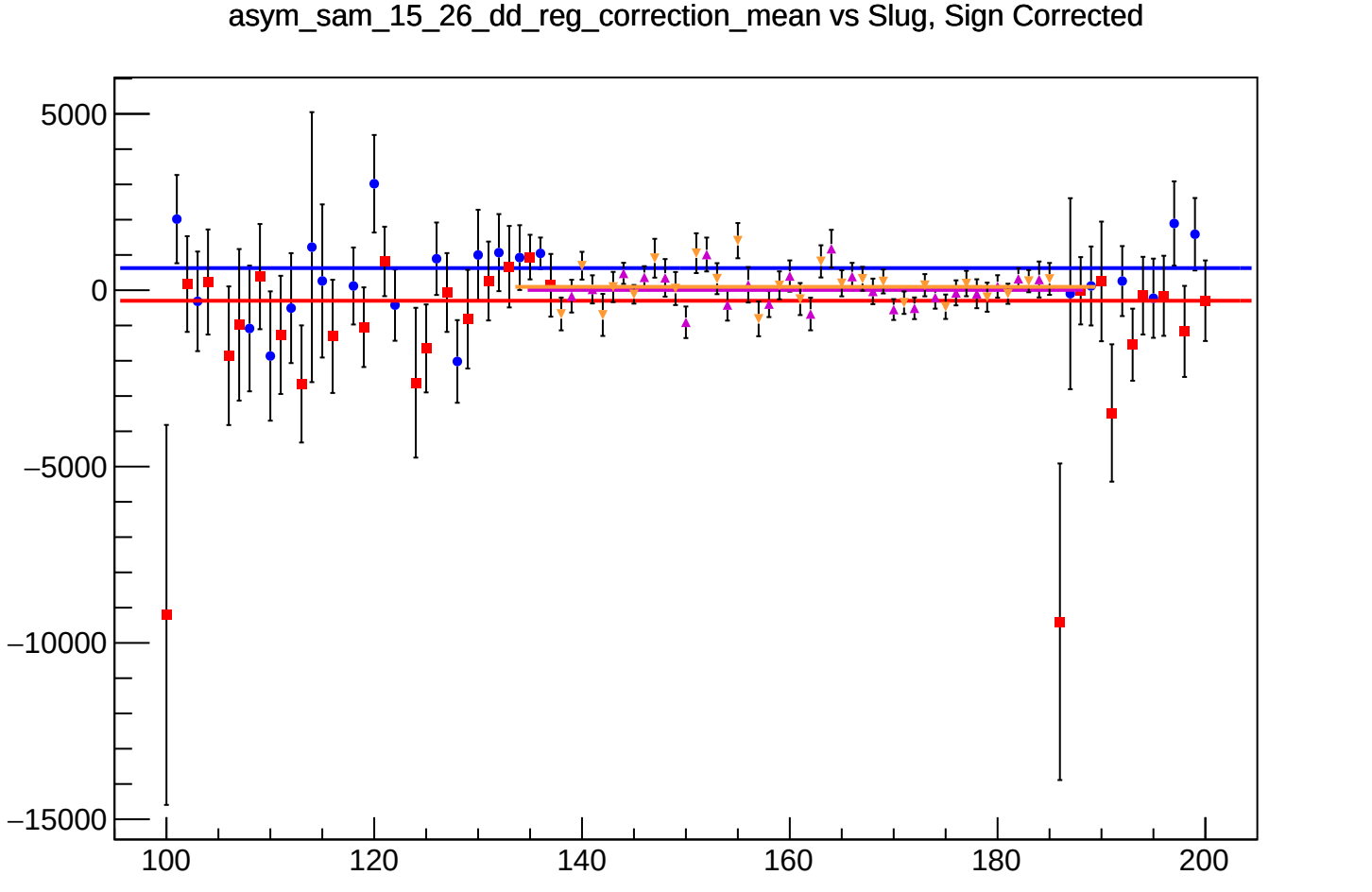
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.662+/-0.012 χ^2/NDF: 2904067.0/49

In: 59.111+/-0.008 χ^2/NDF:3333657.2/44

Out: 60.047+/-0.008 χ^2/NDF:4614194.2/52

All: 59.592+/-0.006 χ^2/NDF: 7955067.1/97



Right In: 627.538+/-232.879 χ^2/NDF: 18.7/21

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

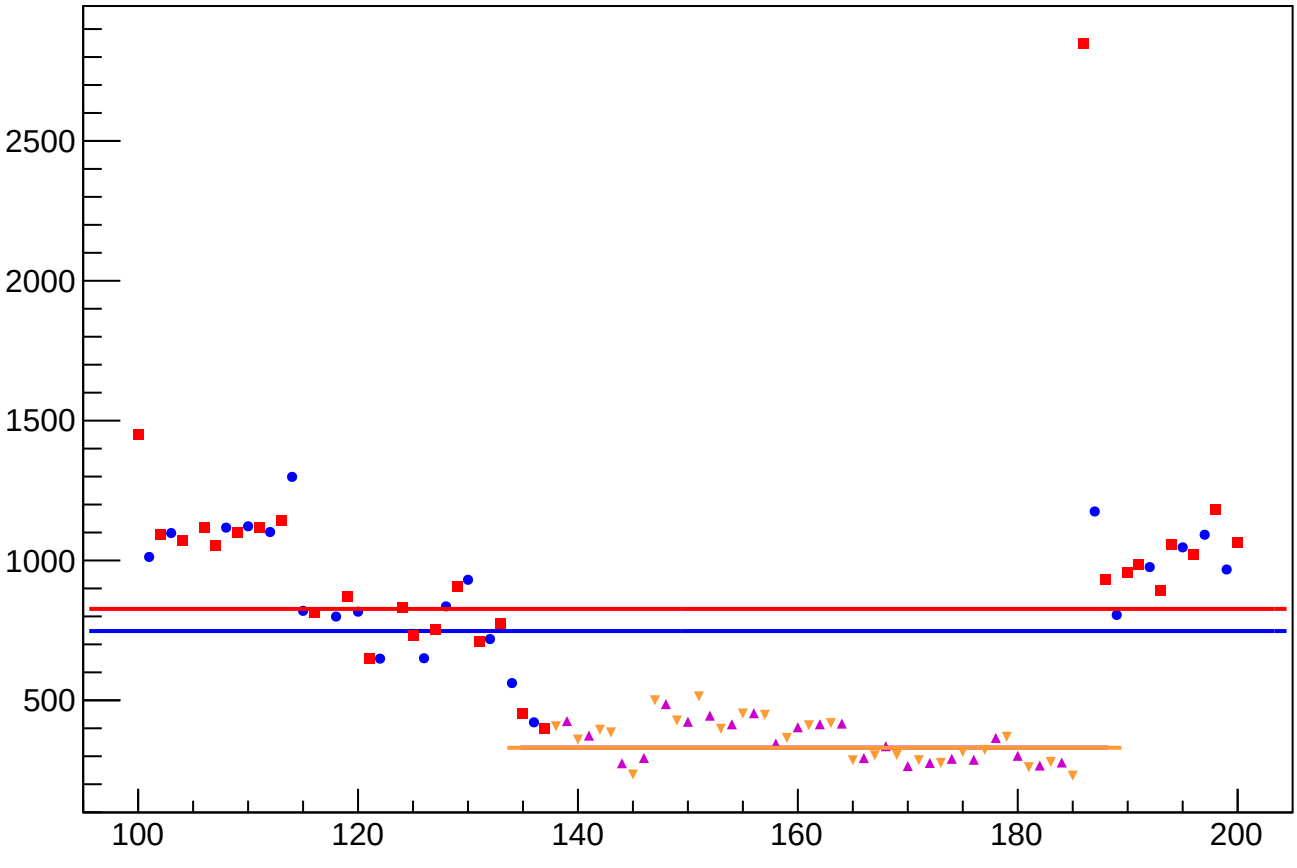
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 169.306+/-165.534 χ^2/NDF: 51.4/49

In: 72.011+/-74.919 χ^2/NDF:57.3/44

Out: 57.225+/-73.298 χ^2/NDF:60.6/52

All: 64.456+/-52.393 χ^2/NDF: 118.0/97



Right In: 747.686+/-0.165 χ^2/NDF: 2327947.4/21

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

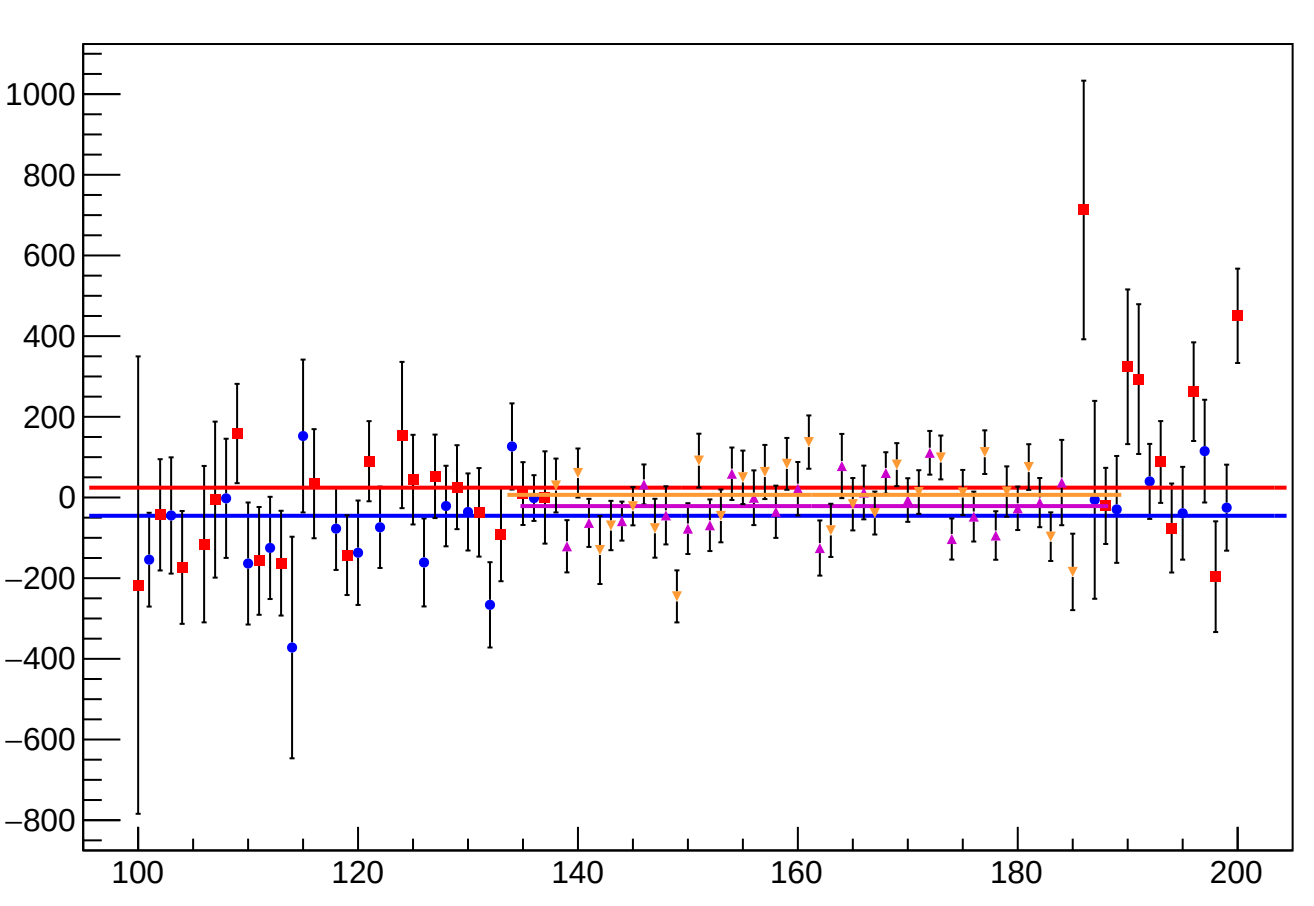
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 786.870+/-0.117 χ^2/NDF: 5005314.8/49

In: 374.178+/-0.053 χ^2/NDF:9392301.6/44

Out: 378.565+/-0.052 χ^2/NDF:12352962.8/52

All: 376.419+/-0.037 χ^2/NDF: 21748768.8/97



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

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

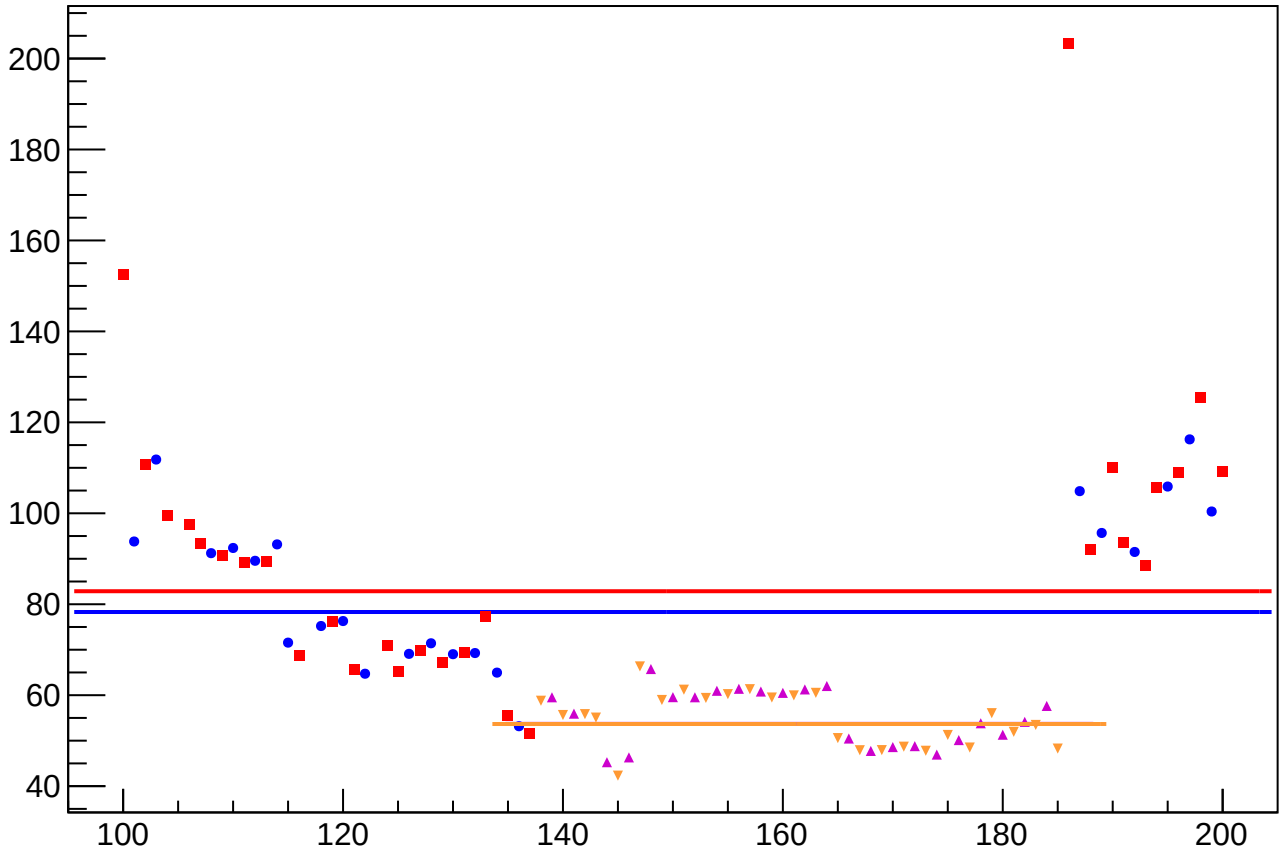
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -9.712+/-16.641 χ^2/NDF: 64.4/49

In: -26.624+/-11.170 χ^2/NDF:42.6/44

Out: 10.413+/-10.866 χ^2/NDF:94.7/52

All: -7.594+/-7.789 χ^2/NDF: 142.9/97



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

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

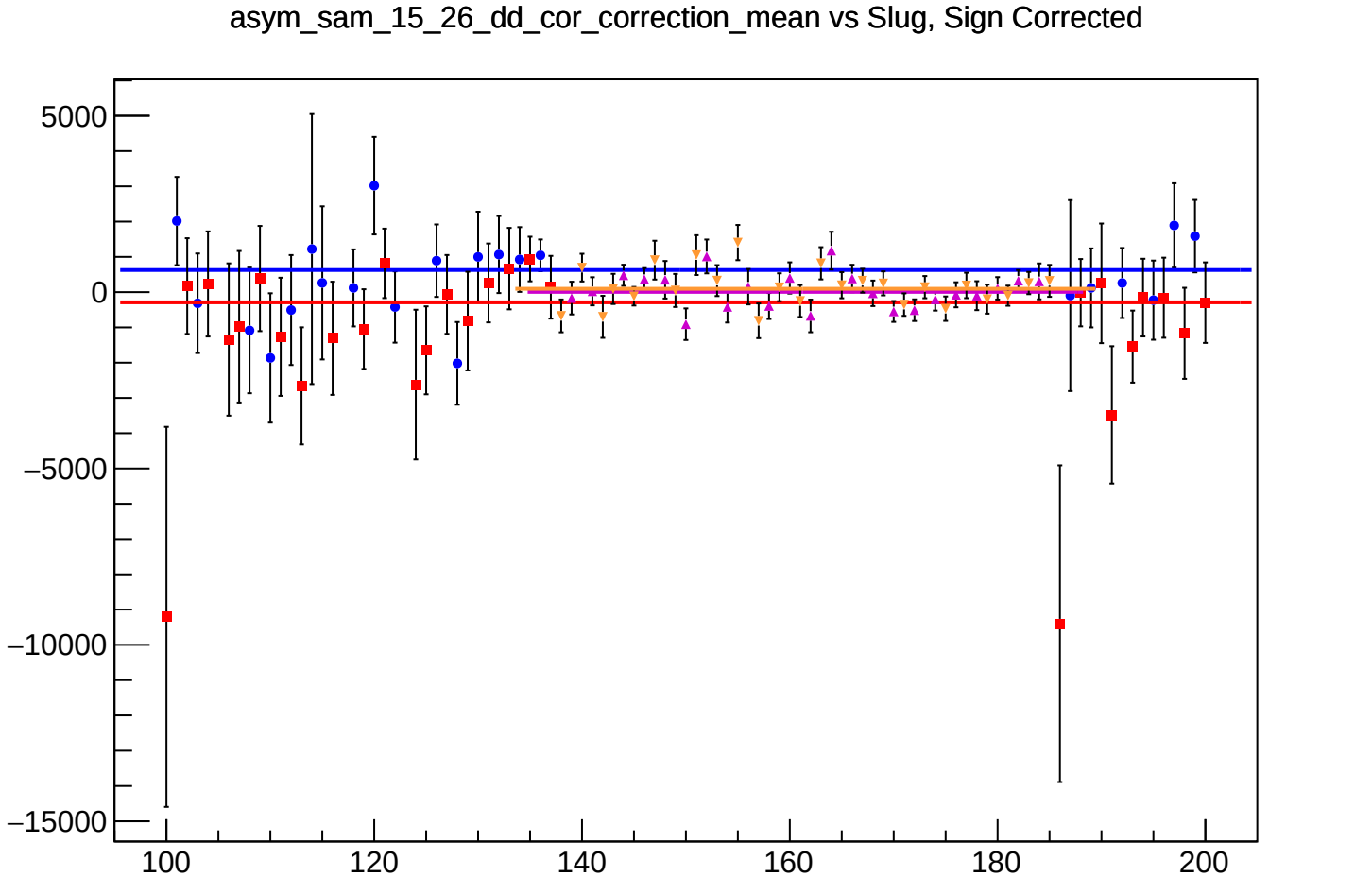
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.629+/-0.012 χ^2/NDF: 2895992.9/49

In: 59.111+/-0.008 χ^2/NDF:3333659.8/44

Out: 60.030+/-0.008 χ^2/NDF:4595094.1/52

All: 59.583+/-0.006 χ^2/NDF: 7935704.9/97



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

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

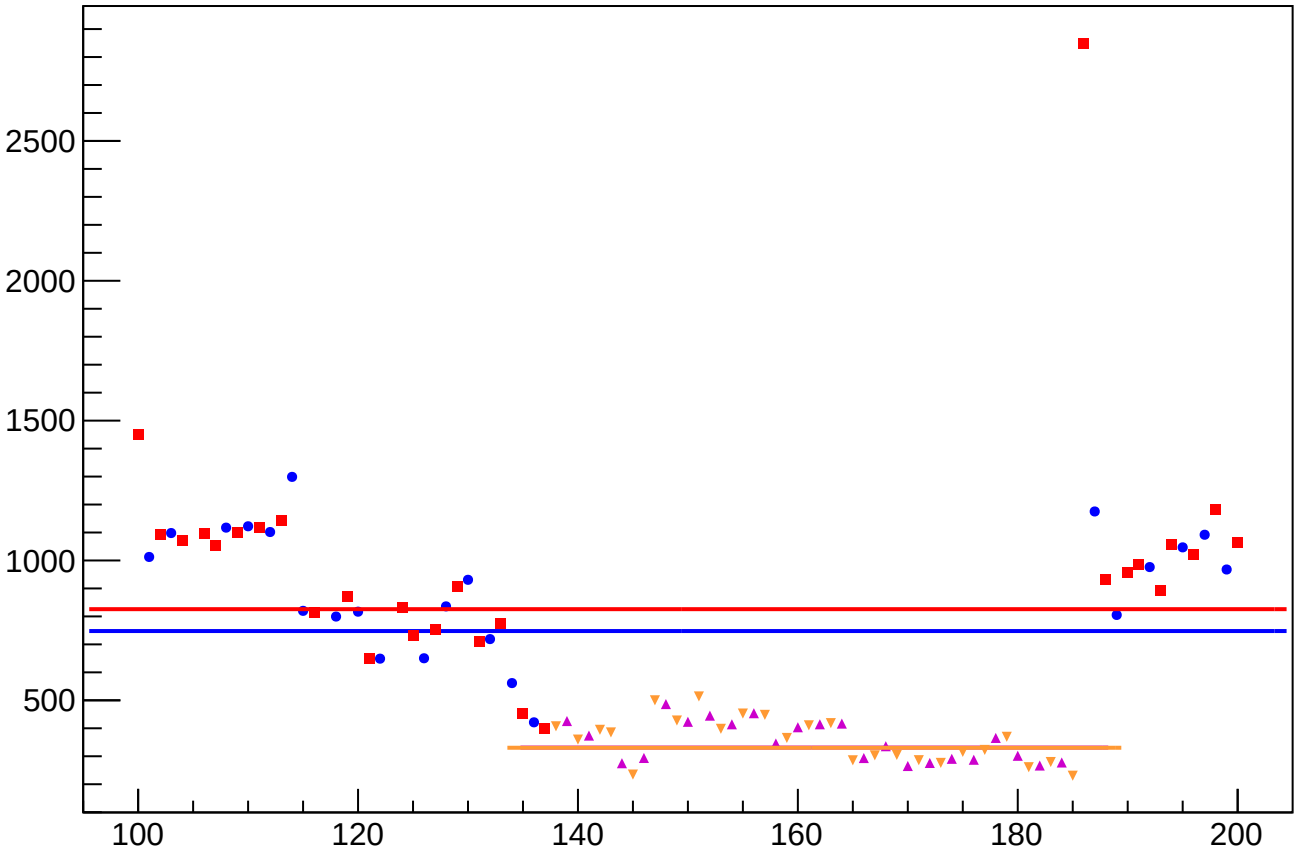
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 174.751+/-165.637 χ^2/NDF: 50.9/49

In: 72.007+/-74.919 χ^2/NDF:57.3/44

Out: 58.267+/-73.307 χ^2/NDF:60.1/52

All: 64.988+/-52.396 χ^2/NDF: 117.5/97



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

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

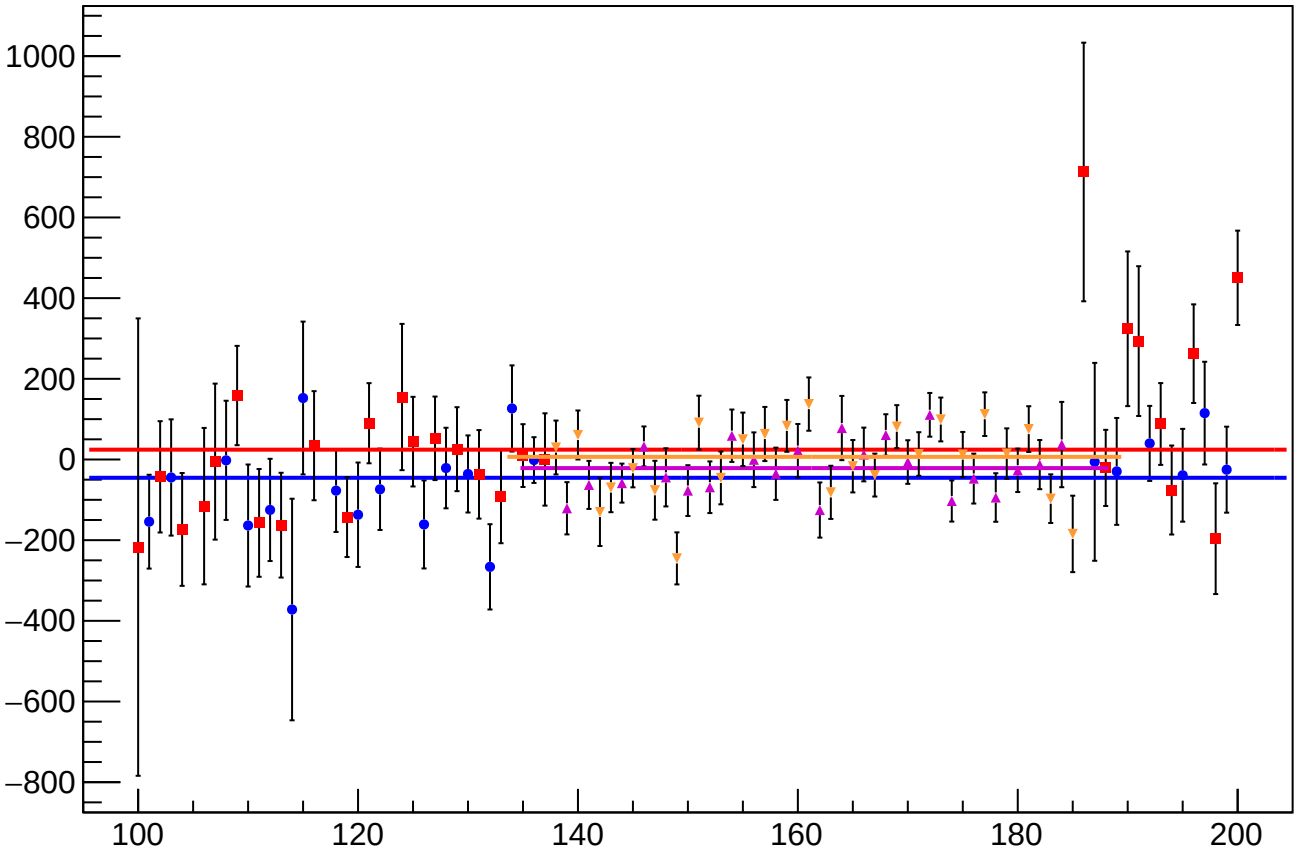
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 786.338+/-0.117 χ^2/NDF: 4989658.5/49

In: 374.178+/-0.053 χ^2/NDF:9392333.2/44

Out: 378.362+/-0.052 χ^2/NDF:12290558.9/52

All: 376.315+/-0.037 χ^2/NDF: 21686079.4/97



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

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

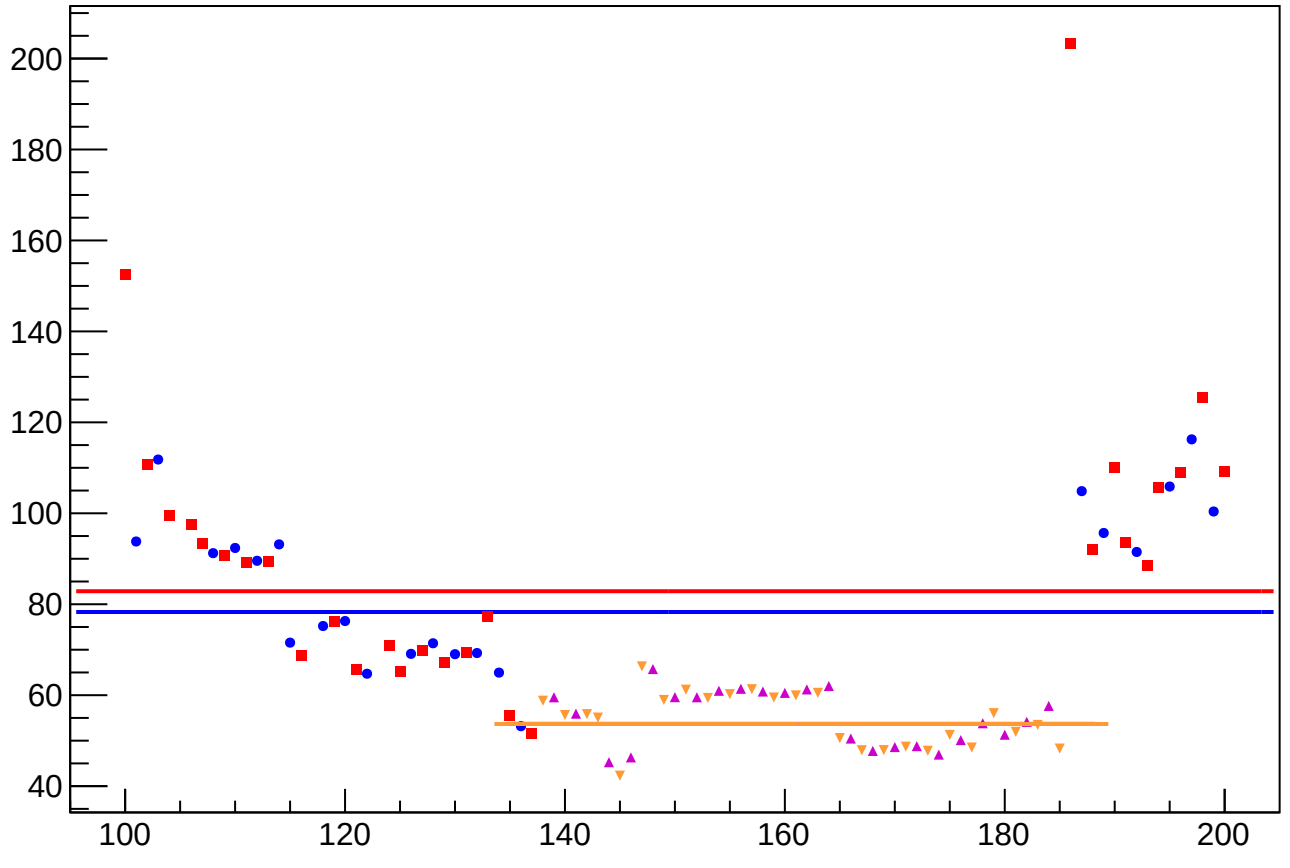
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -9.712+/-16.641 χ^2/NDF: 64.4/49

In: -26.624+/-11.170 χ^2/NDF:42.6/44

Out: 10.413+/-10.866 χ^2/NDF:94.7/52

All: -7.594+/-7.789 χ^2/NDF: 142.9/97



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

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

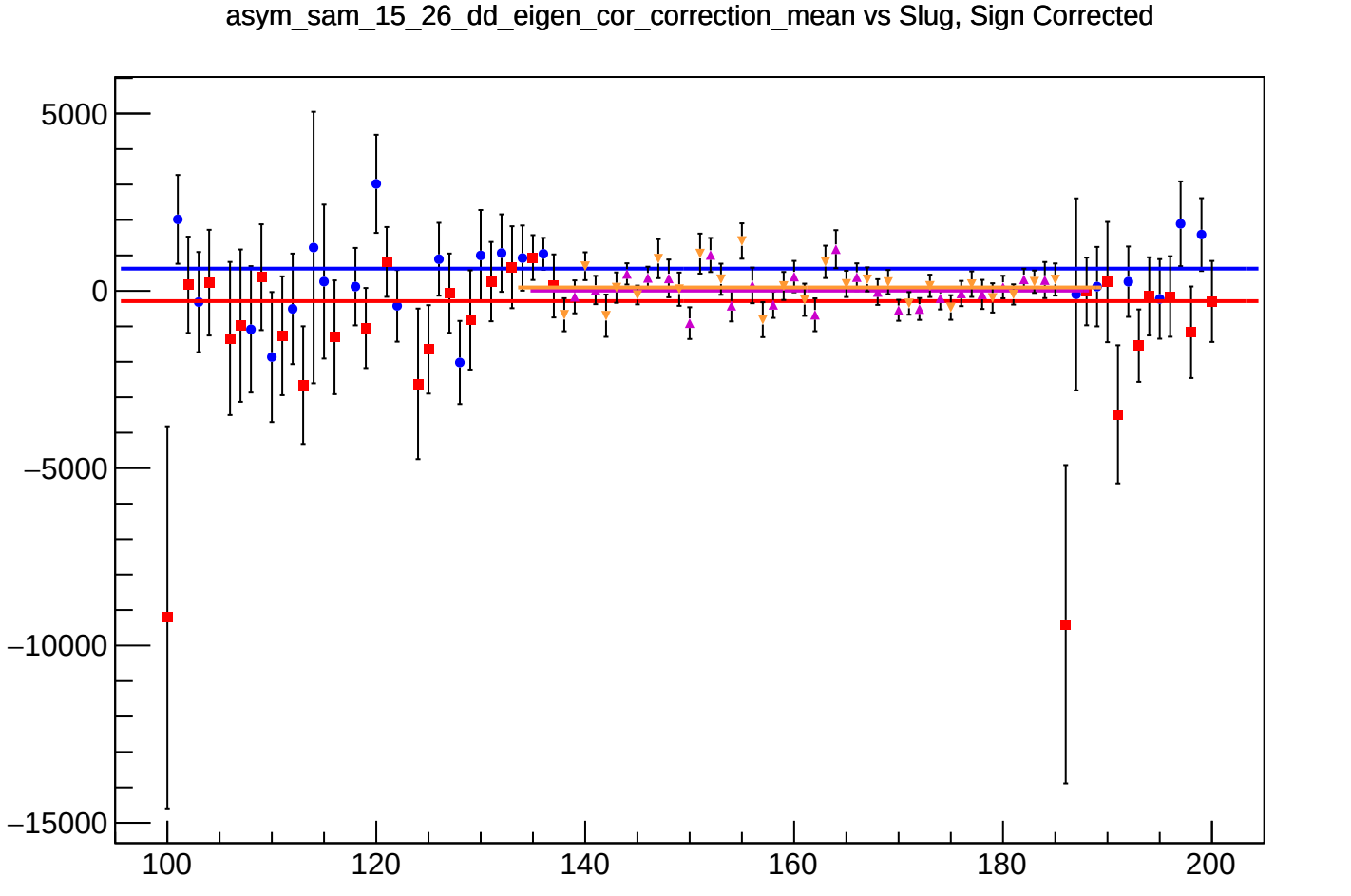
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.629+/-0.012 χ^2/NDF: 2895992.9/49

In: 59.111+/-0.008 χ^2/NDF:3333659.8/44

Out: 60.030+/-0.008 χ^2/NDF:4595094.1/52

All: 59.583+/-0.006 χ^2/NDF: 7935704.9/97



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

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

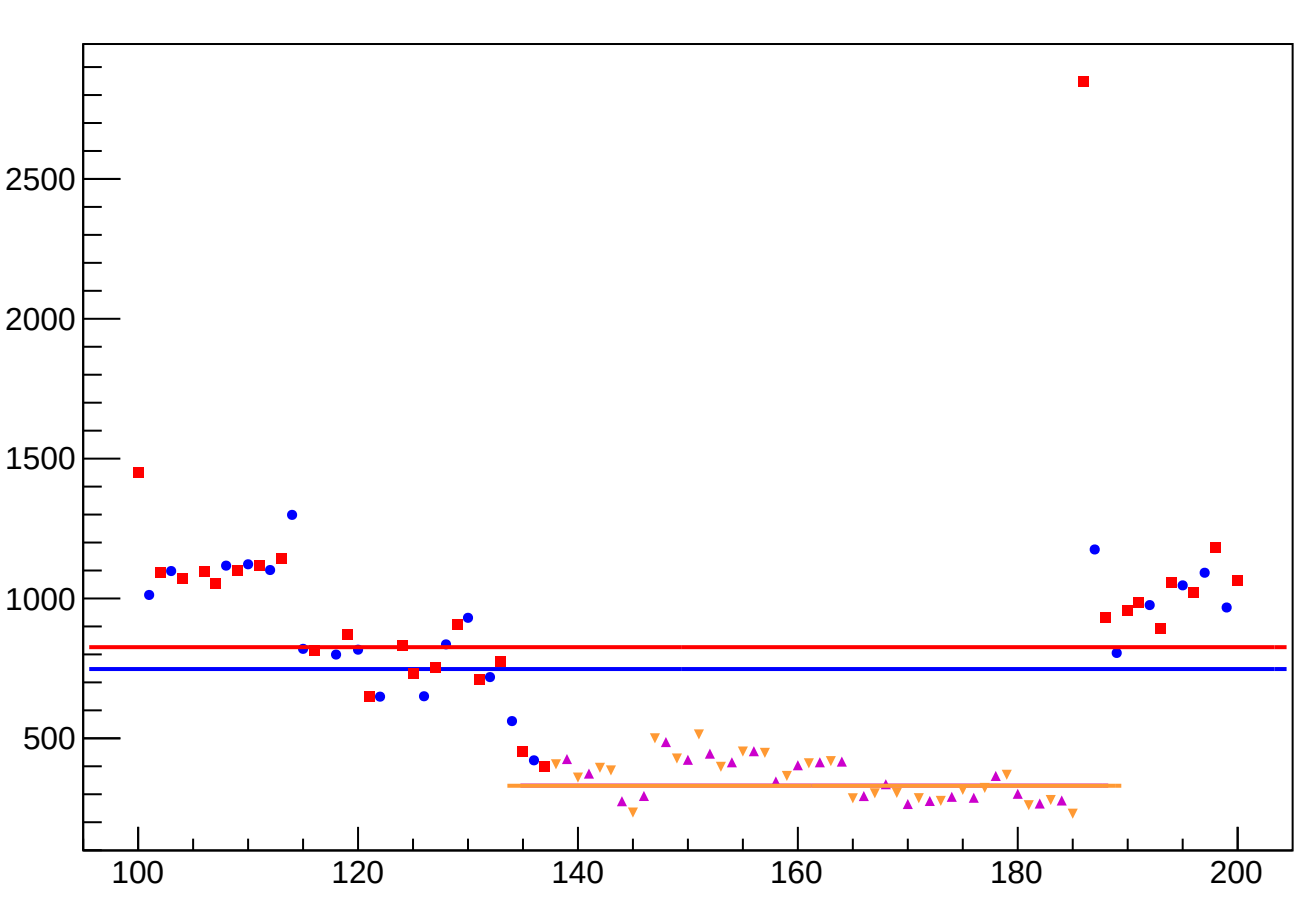
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 174.751+/-165.637 χ^2/NDF: 50.9/49

In: 72.007+/-74.919 χ^2/NDF:57.3/44

Out: 58.267+/-73.307 χ^2/NDF:60.1/52

All: 64.988+/-52.396 χ^2/NDF: 117.5/97



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

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

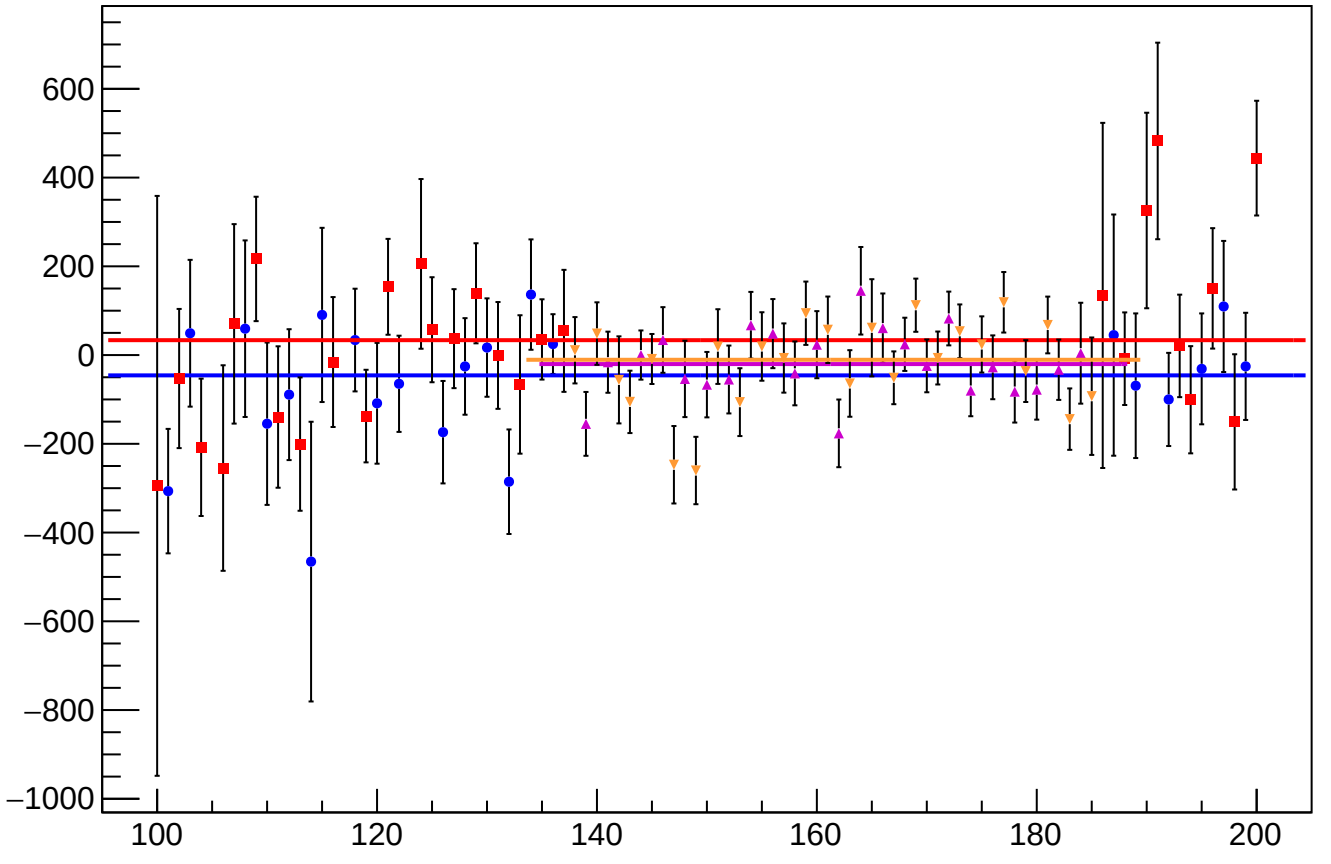
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 786.338+/-0.117 χ^2/NDF: 4989658.5/49

In: 374.178+/-0.053 χ^2/NDF:9392333.2/44

Out: 378.362+/-0.052 χ^2/NDF:12290558.9/52

All: 376.315+/-0.037 χ^2/NDF: 21686079.4/97



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

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

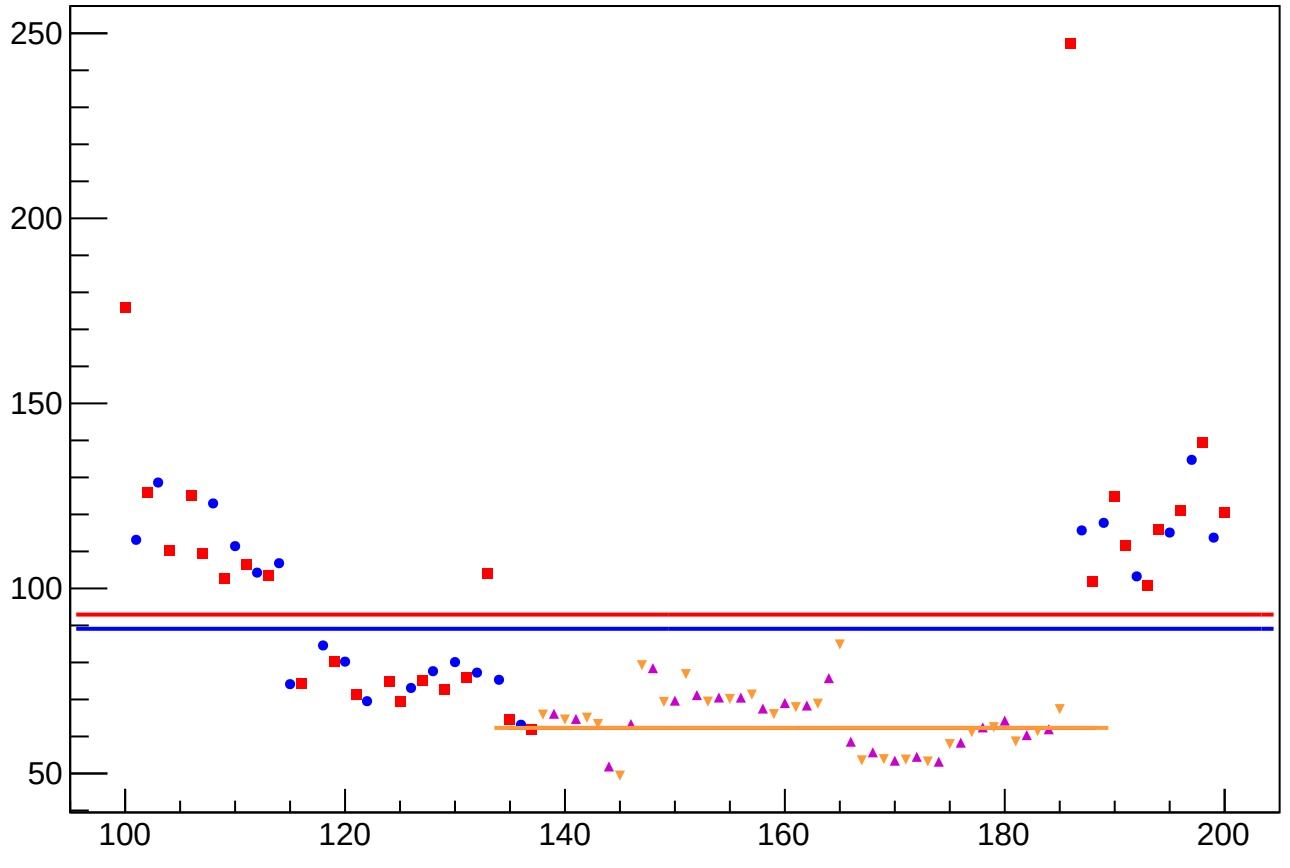
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -4.575+/-18.825 χ^2/NDF: 58.2/49

In: -26.108+/-12.961 χ^2/NDF:40.4/44

Out: -0.417+/-12.551 χ^2/NDF:80.2/52

All: -12.850+/-9.016 χ^2/NDF: 122.6/97



Right In: 89.098+/-0.019 χ^2/NDF: 1269458.3/21

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

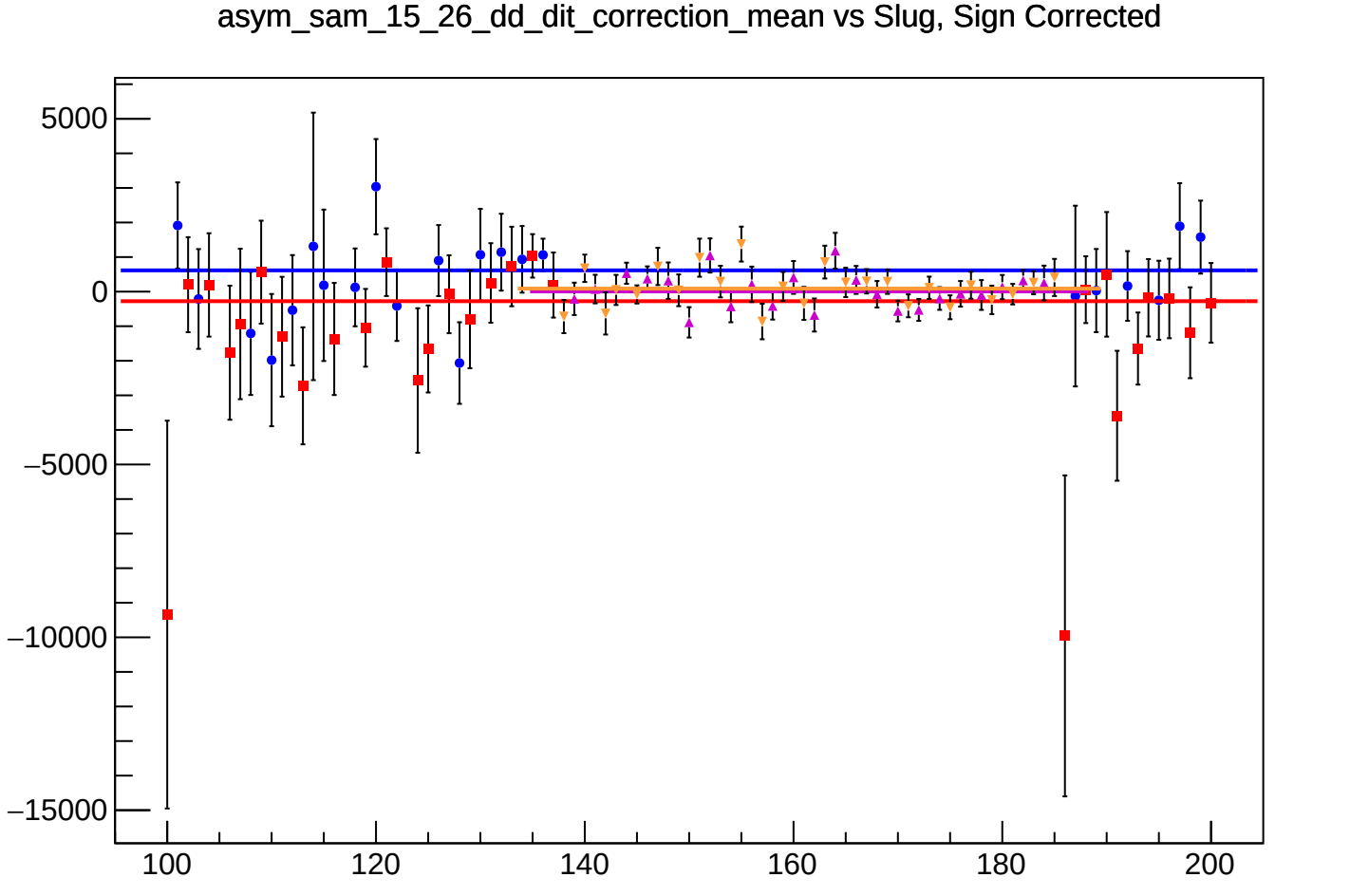
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 91.091+/-0.013 χ^2/NDF: 3053787.6/49

In: 68.415+/-0.009 χ^2/NDF:3257374.9/44

Out: 69.383+/-0.009 χ^2/NDF:4513145.1/52

All: 68.915+/-0.006 χ^2/NDF: 7776276.8/97



Right In: 615.267+/-239.387 χ^2/NDF: 18.8/21

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

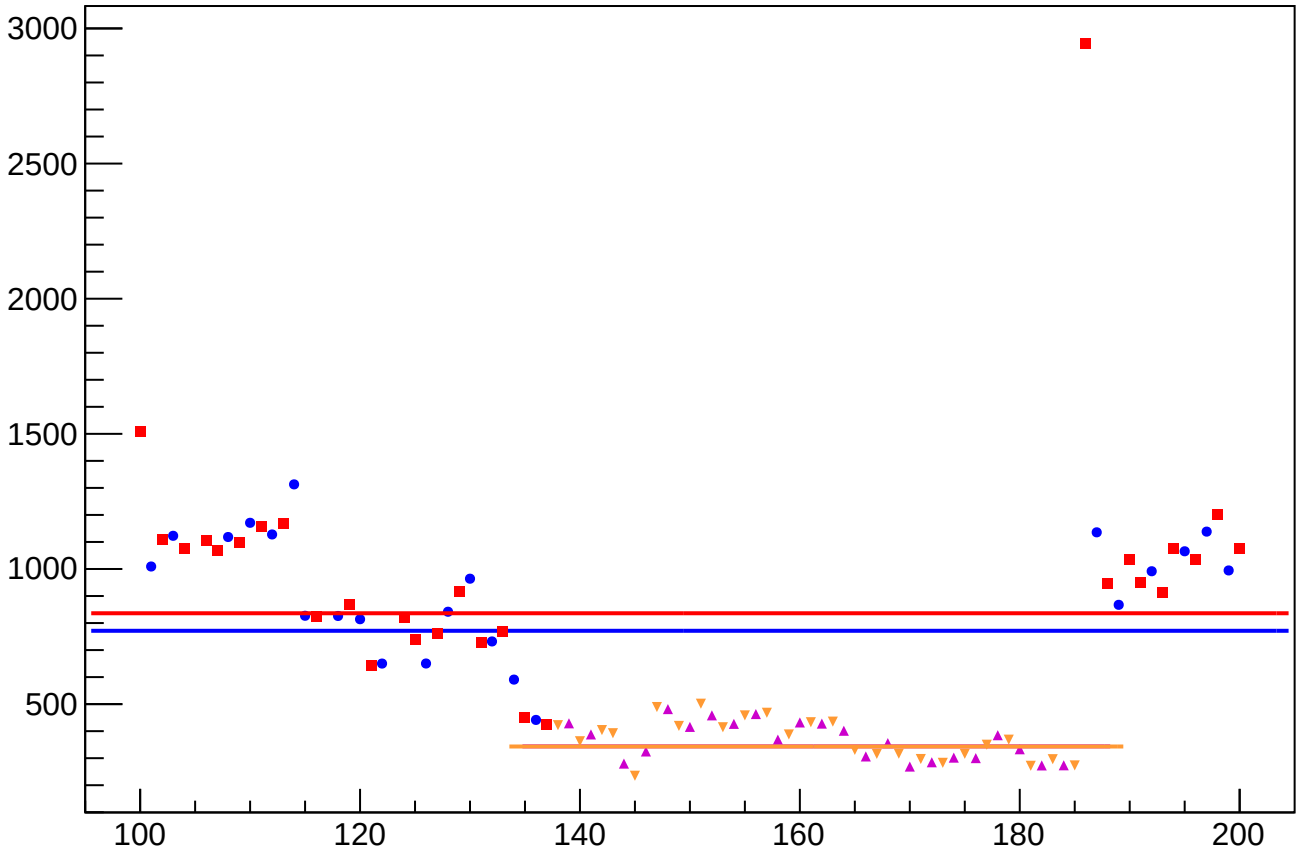
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 166.782+/-168.745 χ^2/NDF: 52.4/49

In: 70.580+/-77.669 χ^2/NDF:57.0/44

Out: 50.228+/-75.688 χ^2/NDF:60.4/52

All: 60.141+/-54.206 χ^2/NDF: 117.4/97



Right In: 771.329+/-0.169 χ^2/NDF: 2207816.9/21

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

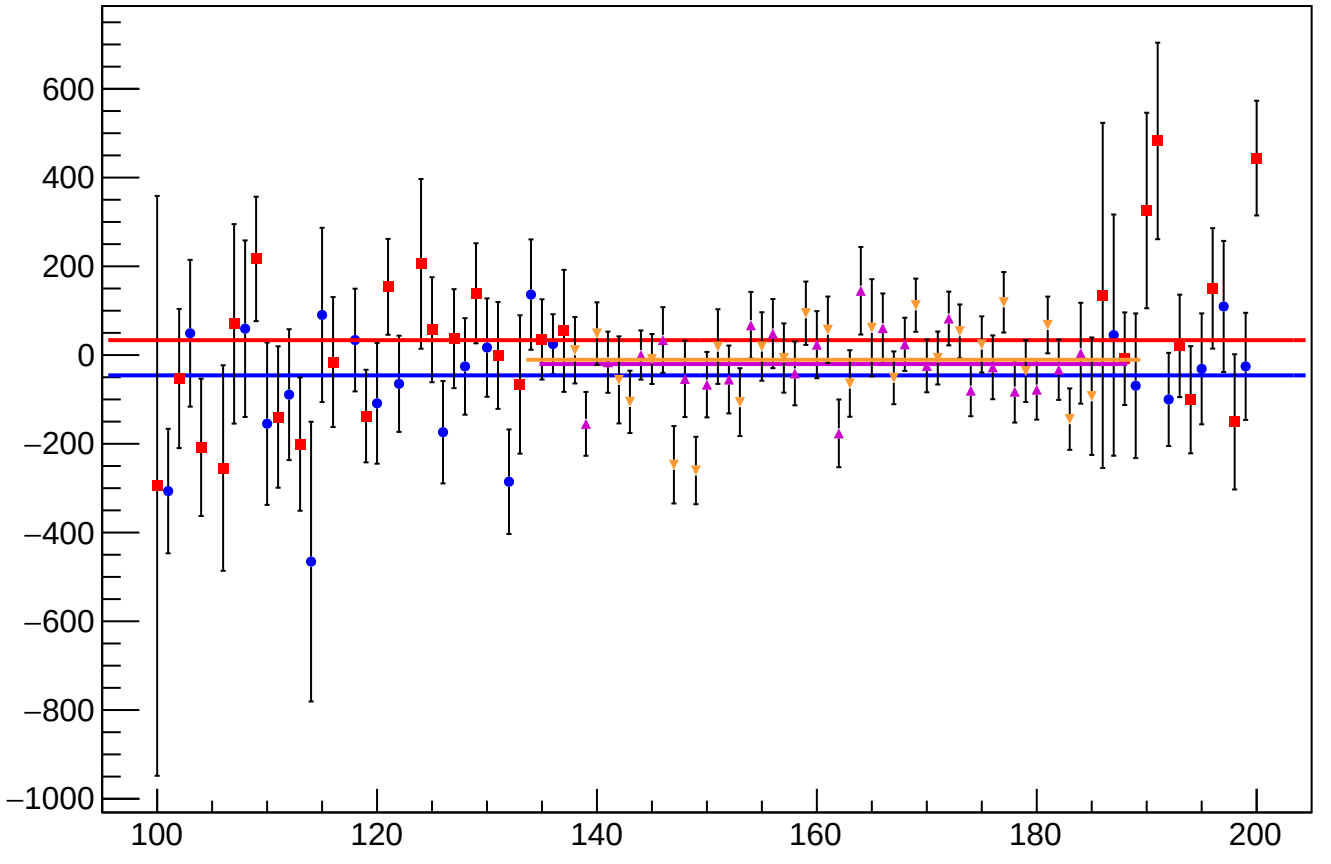
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 803.975+/-0.119 χ^2/NDF: 4854728.7/49

In: 388.730+/-0.055 χ^2/NDF:9176009.1/44

Out: 393.125+/-0.054 χ^2/NDF:11887502.3/52

All: 390.984+/-0.038 χ^2/NDF: 21066795.9/97



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

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

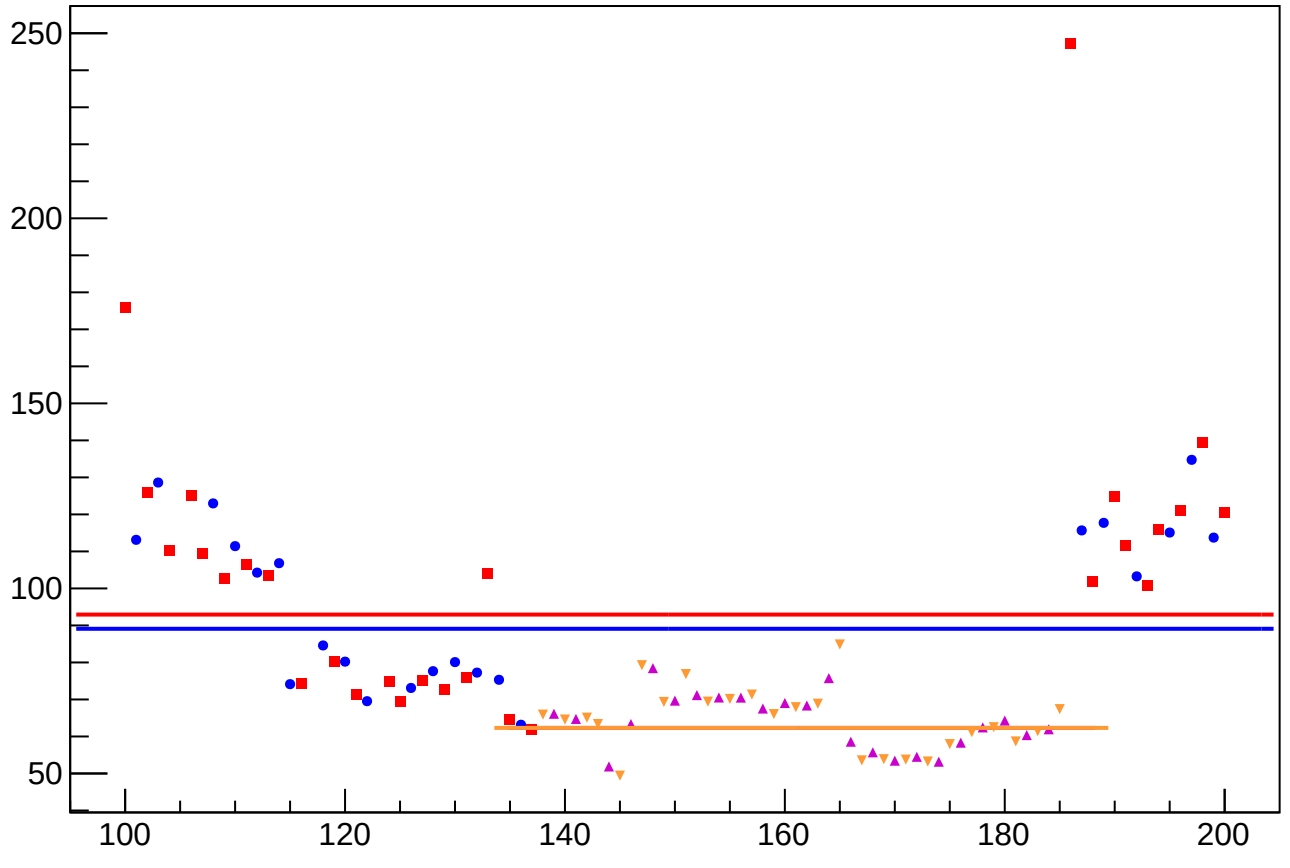
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -4.575+/-18.825 χ^2/NDF: 58.2/49

In: -26.108+/-12.961 χ^2/NDF:40.4/44

Out: -0.416+/-12.551 χ^2/NDF:80.2/52

All: -12.850+/-9.016 χ^2/NDF: 122.6/97



Right In: 89.097+/-0.019 χ^2/NDF: 1269473.4/21

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

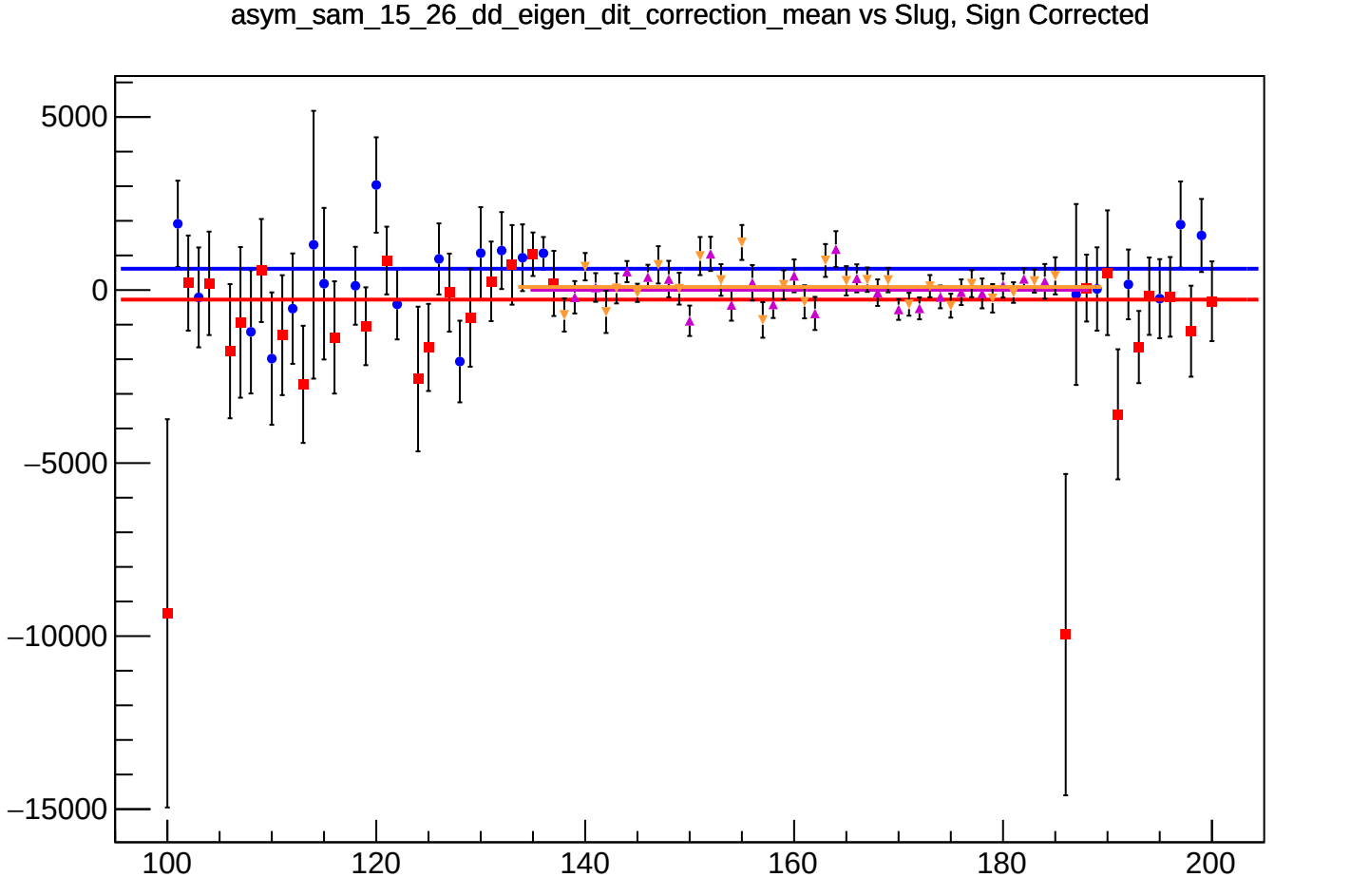
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 91.090+/-0.013 χ^2/NDF: 3053799.1/49

In: 68.416+/-0.009 χ^2/NDF:3257326.7/44

Out: 69.383+/-0.009 χ^2/NDF:4513105.8/52

All: 68.915+/-0.006 χ^2/NDF: 7776188.2/97



Right In: 615.266+/-239.387 χ^2/NDF: 18.8/21

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

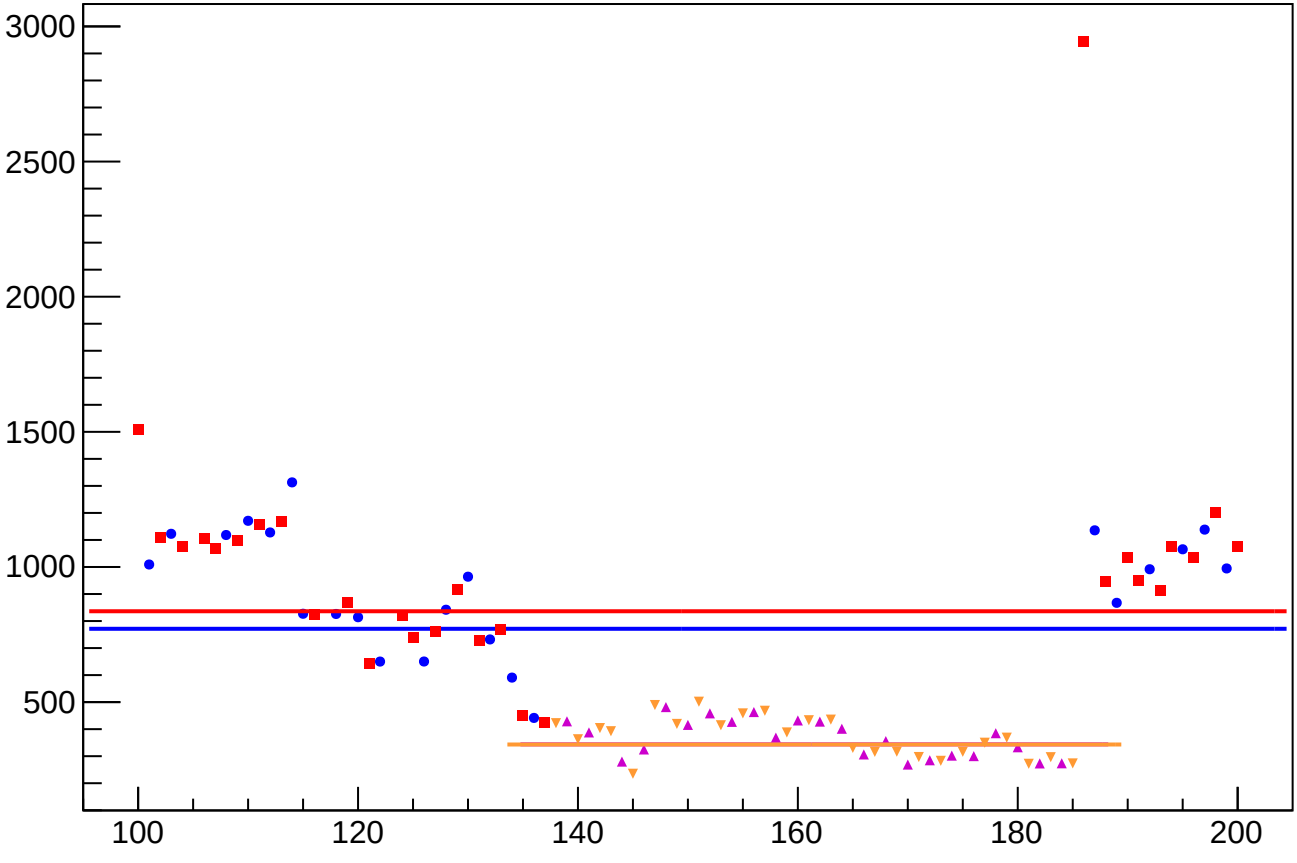
Right: 166.781+/-168.744 χ^2/NDF: 52.4/49

In: 70.581+/-77.669 χ^2/NDF:57.0/44

Out: 50.228+/-75.688 χ^2/NDF:60.4/52

All: 60.141+/-54.206 χ^2/NDF: 117.4/97

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 771.328+/-0.169 χ^2/NDF: 2207807.9/21

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

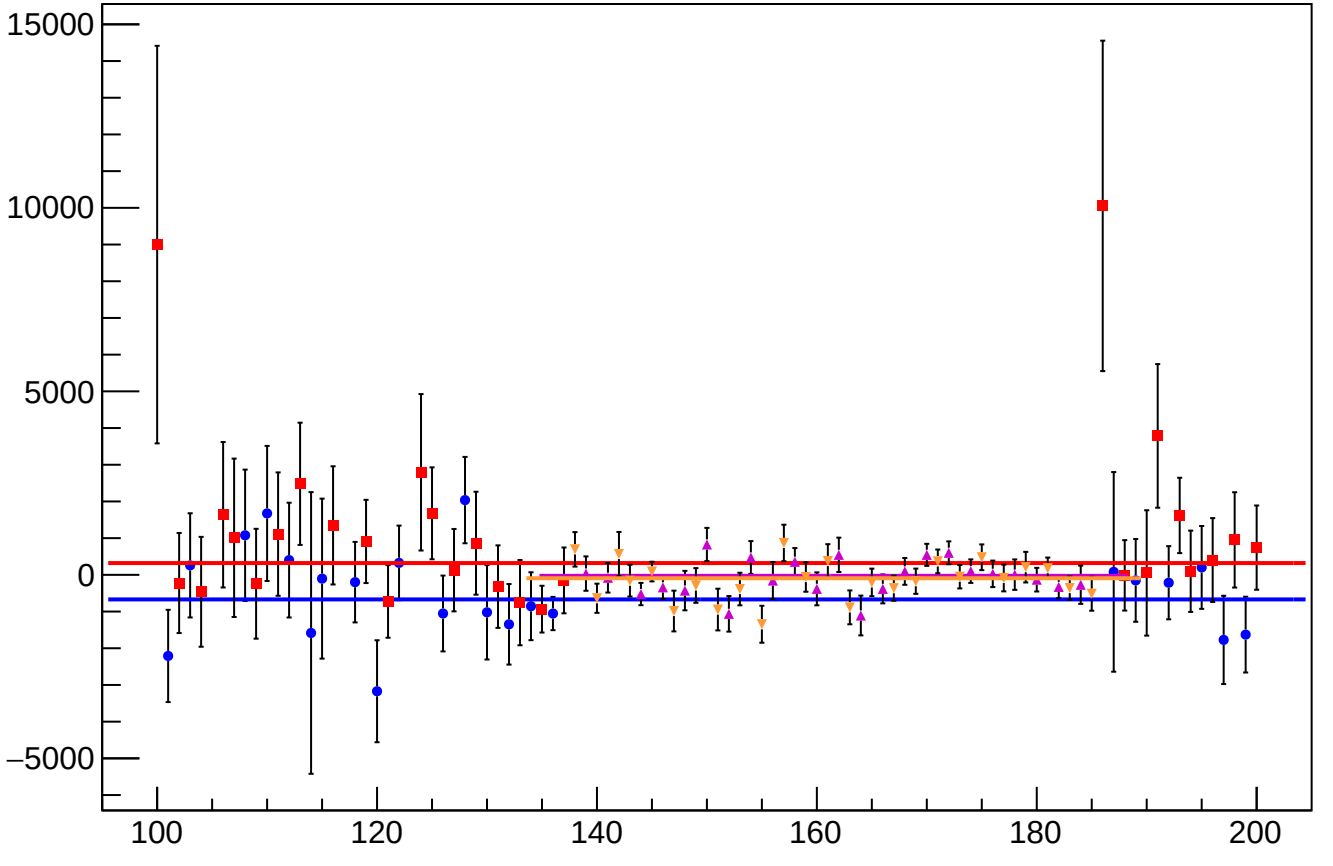
Right: 803.974+/-0.119 χ^2/NDF: 4854716.9/49

In: 388.730+/-0.055 χ^2/NDF:9176001.9/44

Out: 393.125+/-0.054 χ^2/NDF:11887507.3/52

All: 390.985+/-0.038 χ^2/NDF: 21066793.6/97

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -669.352+/-234.291 χ^2/NDF: 18.9/21

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

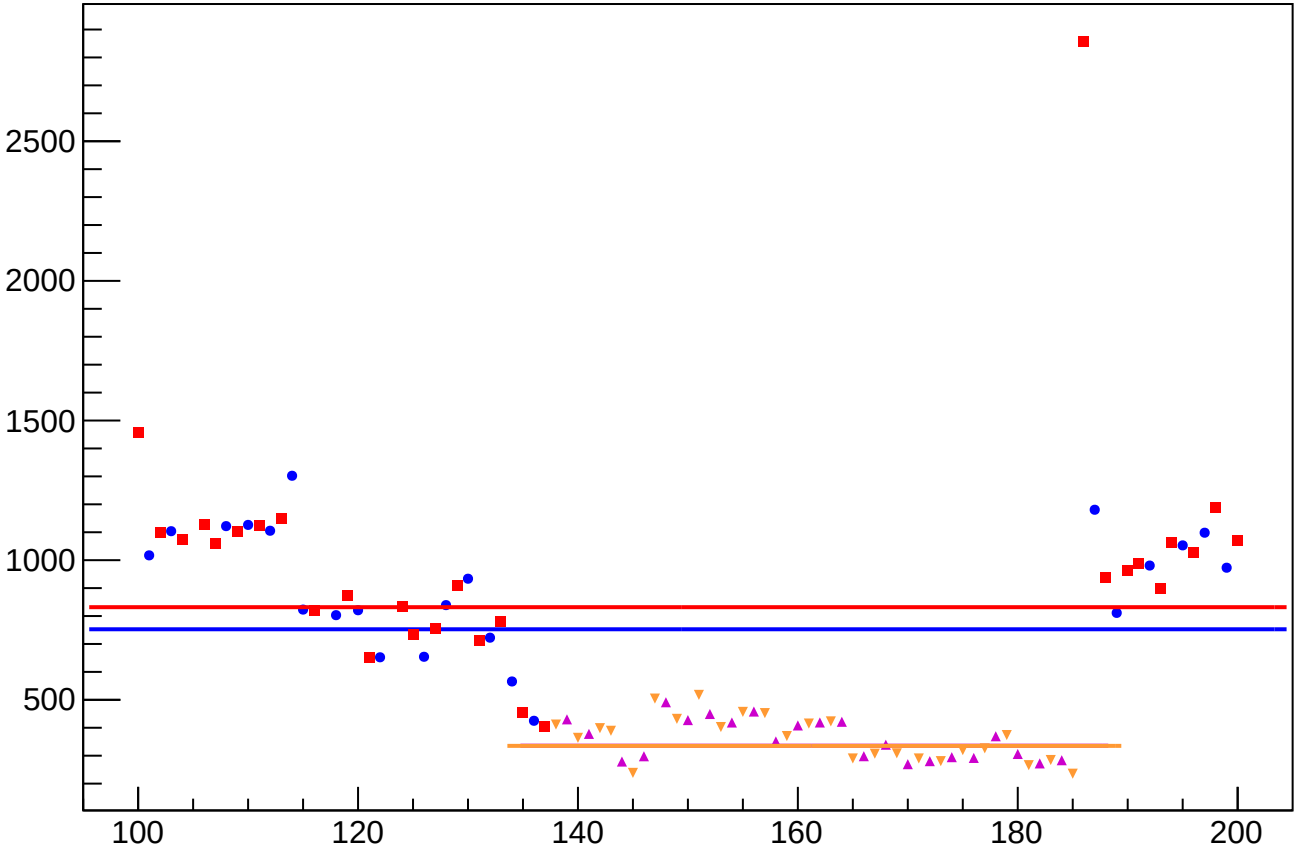
Right: -178.922+/-166.493 χ^2/NDF: 53.2/49

In: -94.540+/-75.884 χ^2/NDF:56.6/44

Out: -51.920+/-74.237 χ^2/NDF:62.4/52

All: -72.763+/-53.066 χ^2/NDF: 119.1/97

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 752.616+/-0.166 χ^2/NDF: 2307067.7/21

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

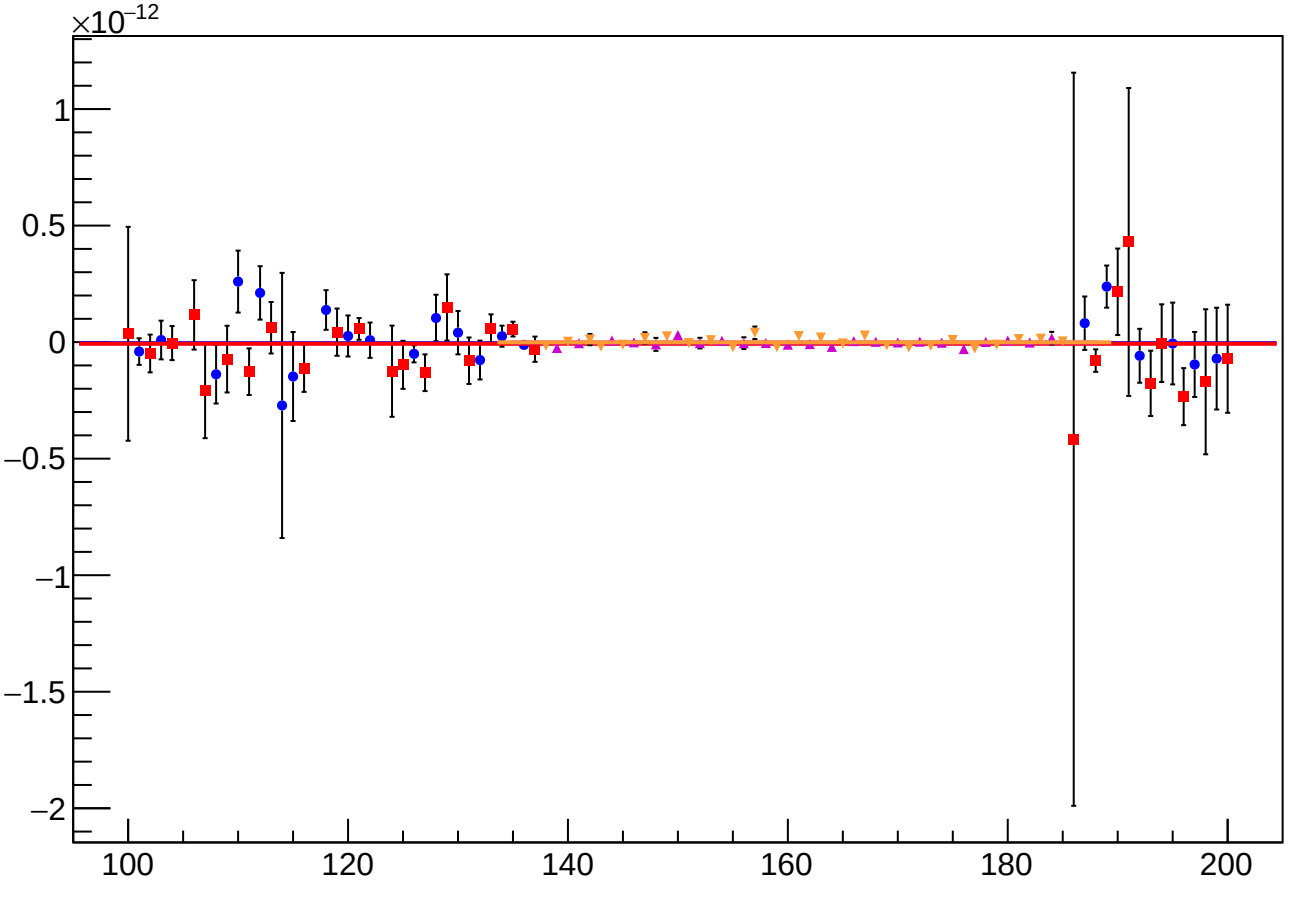
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 791.767+/-0.118 χ^2/NDF: 4968520.6/49

In: 379.514+/-0.054 χ^2/NDF:9264807.9/44

Out: 384.019+/-0.052 χ^2/NDF:12194233.7/52

All: 381.816+/-0.038 χ^2/NDF: 21462643.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

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

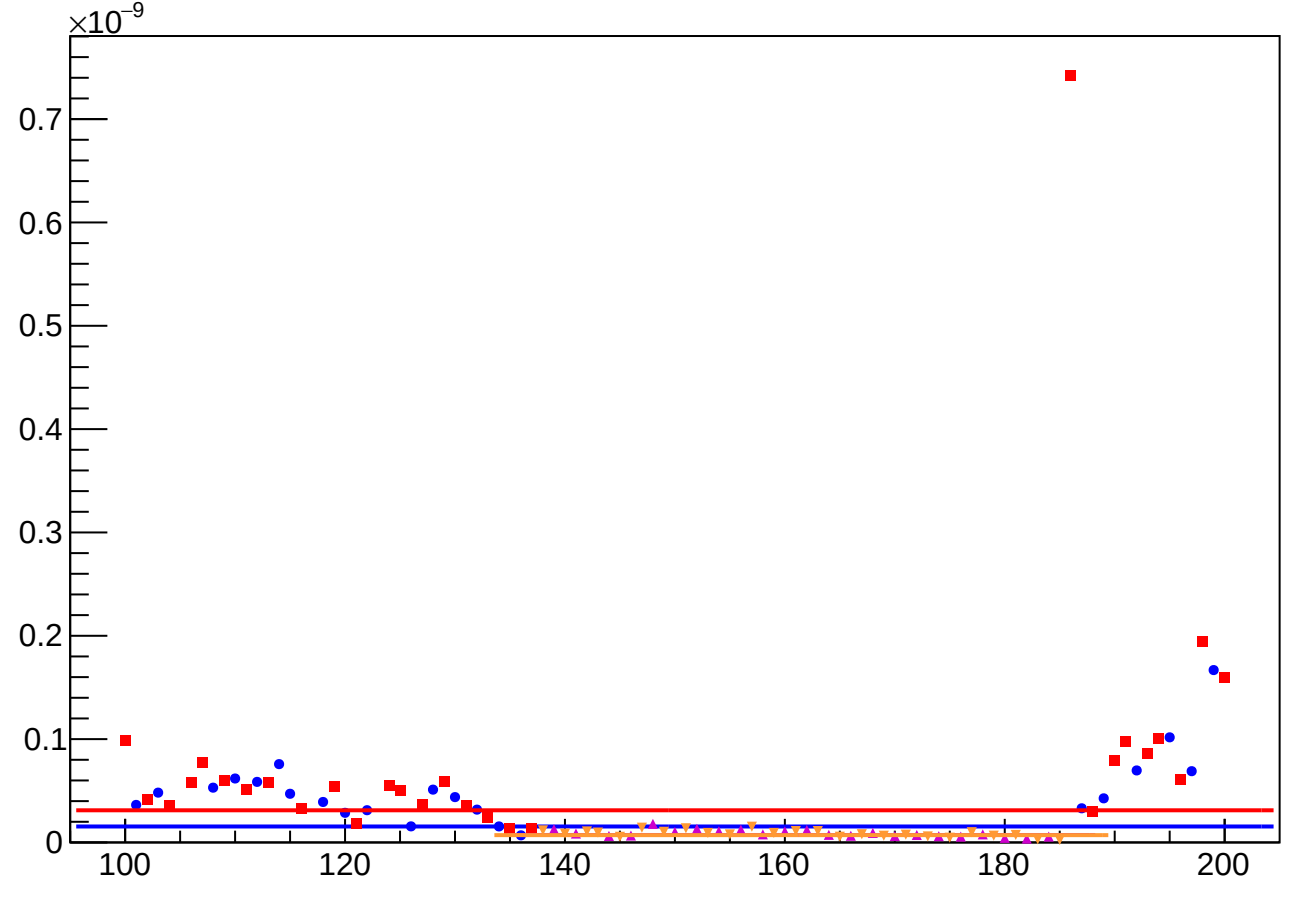
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.0/49

In: -0.000+/-0.000 χ^2/NDF:40.6/44

Out: -0.000+/-0.000 χ^2/NDF:60.6/52

All: -0.000+/-0.000 χ^2/NDF: 101.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 5519631.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4335905.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

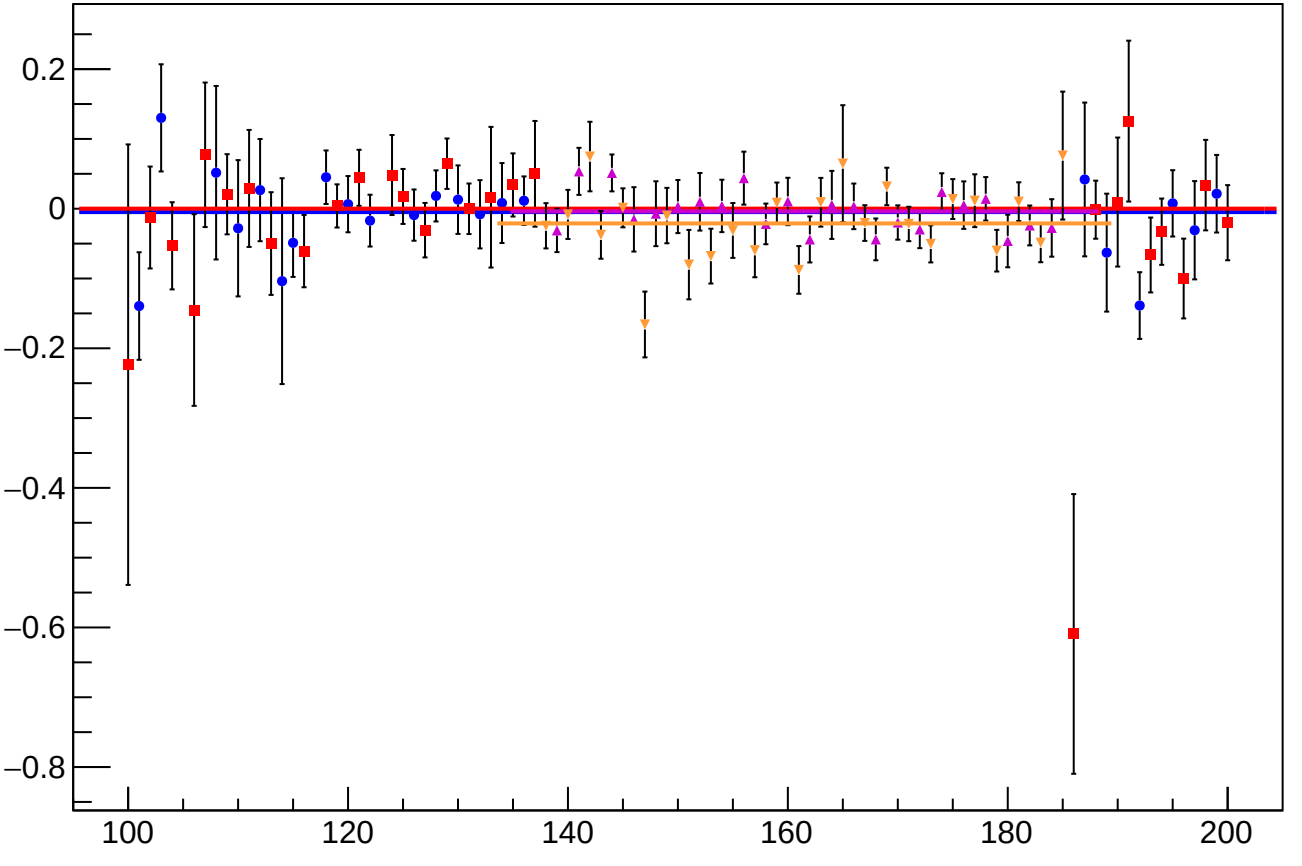
Right: 0.000+/-0.000 χ^2/NDF: 11233293.3/49

In: 0.000+/-0.000 χ^2/NDF:8315115.5/44

Out: 0.000+/-0.000 χ^2/NDF:10790265.7/52

All: 0.000+/-0.000 χ^2/NDF: 19105456.6/97

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

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

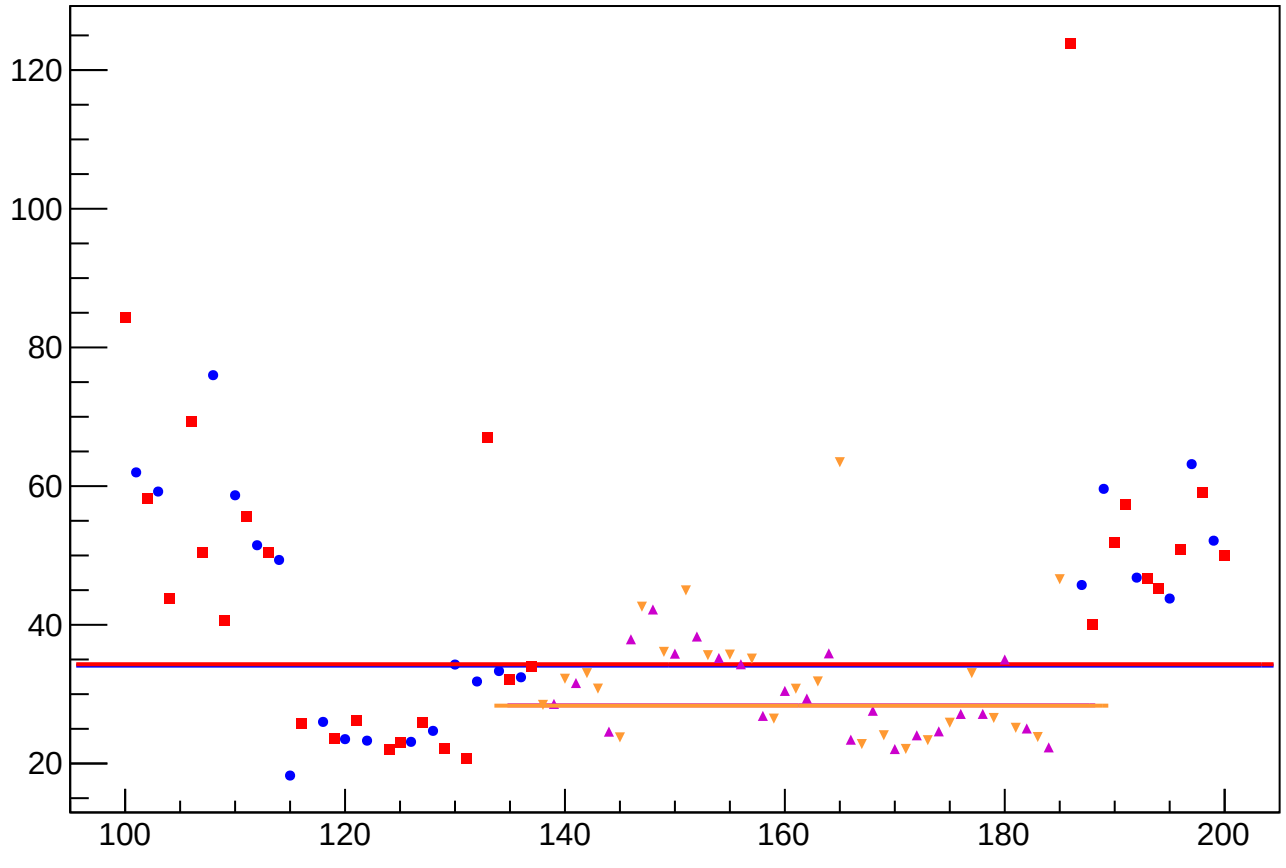
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.007 χ^2/NDF: 47.5/49

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.0/97



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

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

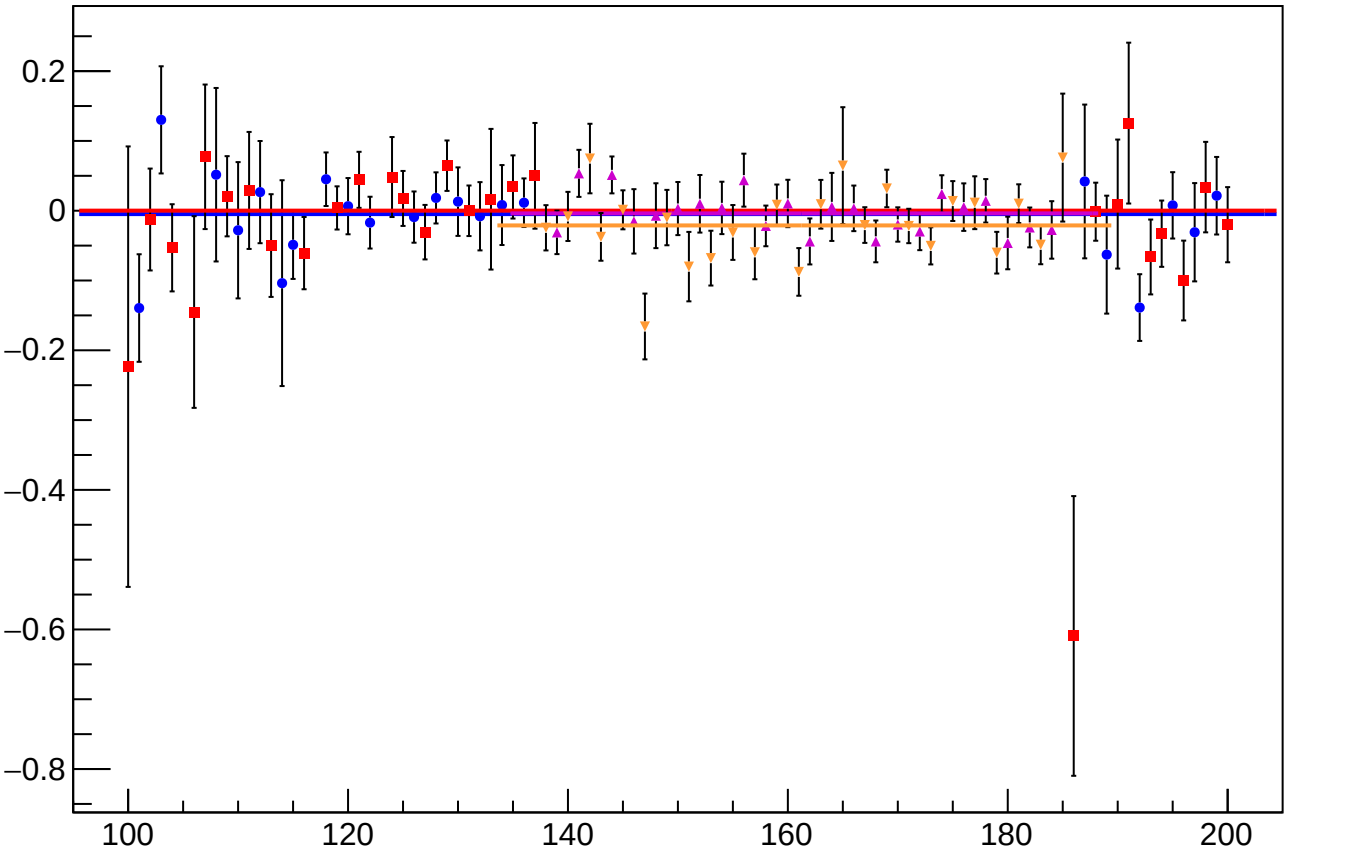
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.224+/-0.005 χ^2/NDF: 6490142.7/49

In: 29.992+/-0.004 χ^2/NDF:4359992.2/44

Out: 30.135+/-0.004 χ^2/NDF:5834091.8/52

All: 30.067+/-0.003 χ^2/NDF: 10194710.2/97



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

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

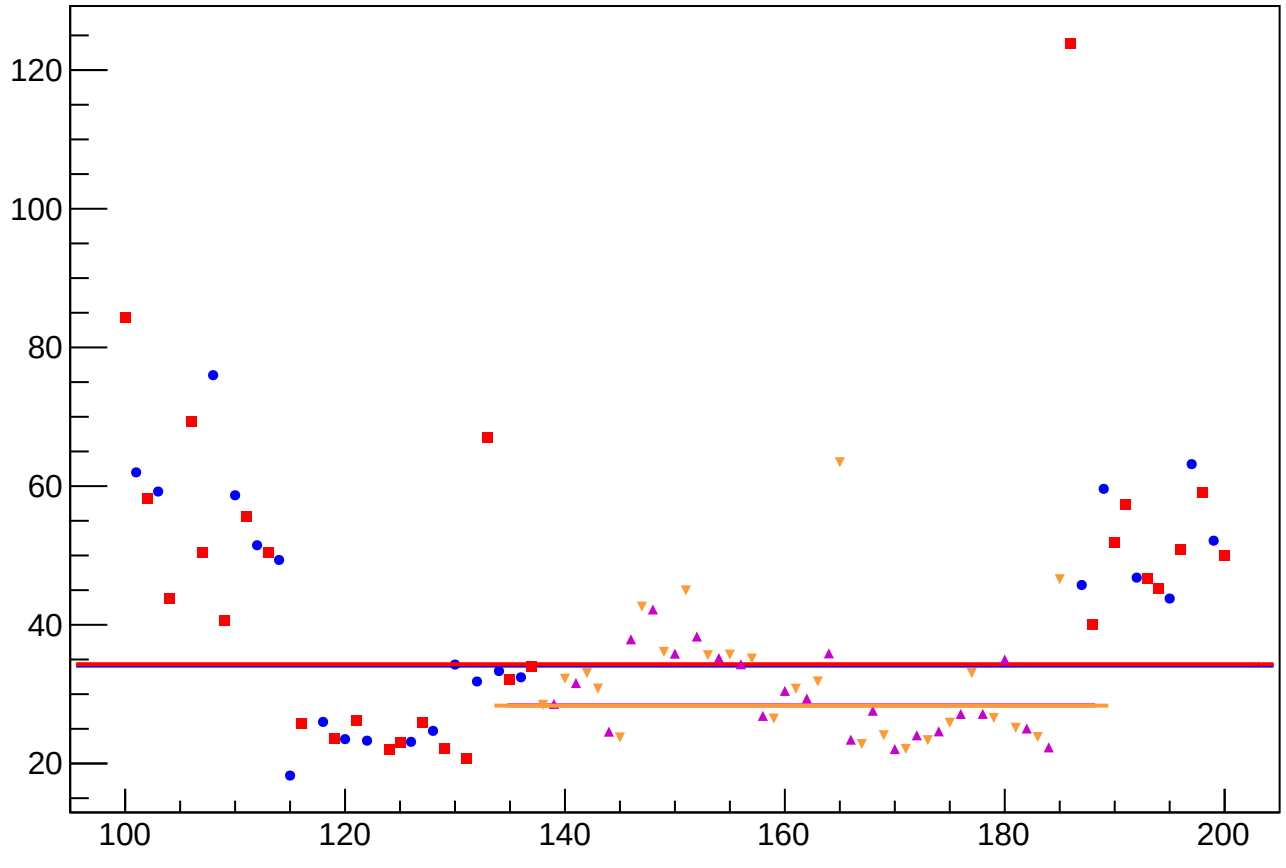
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.007 χ^2/NDF: 47.5/49

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.0/97



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

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

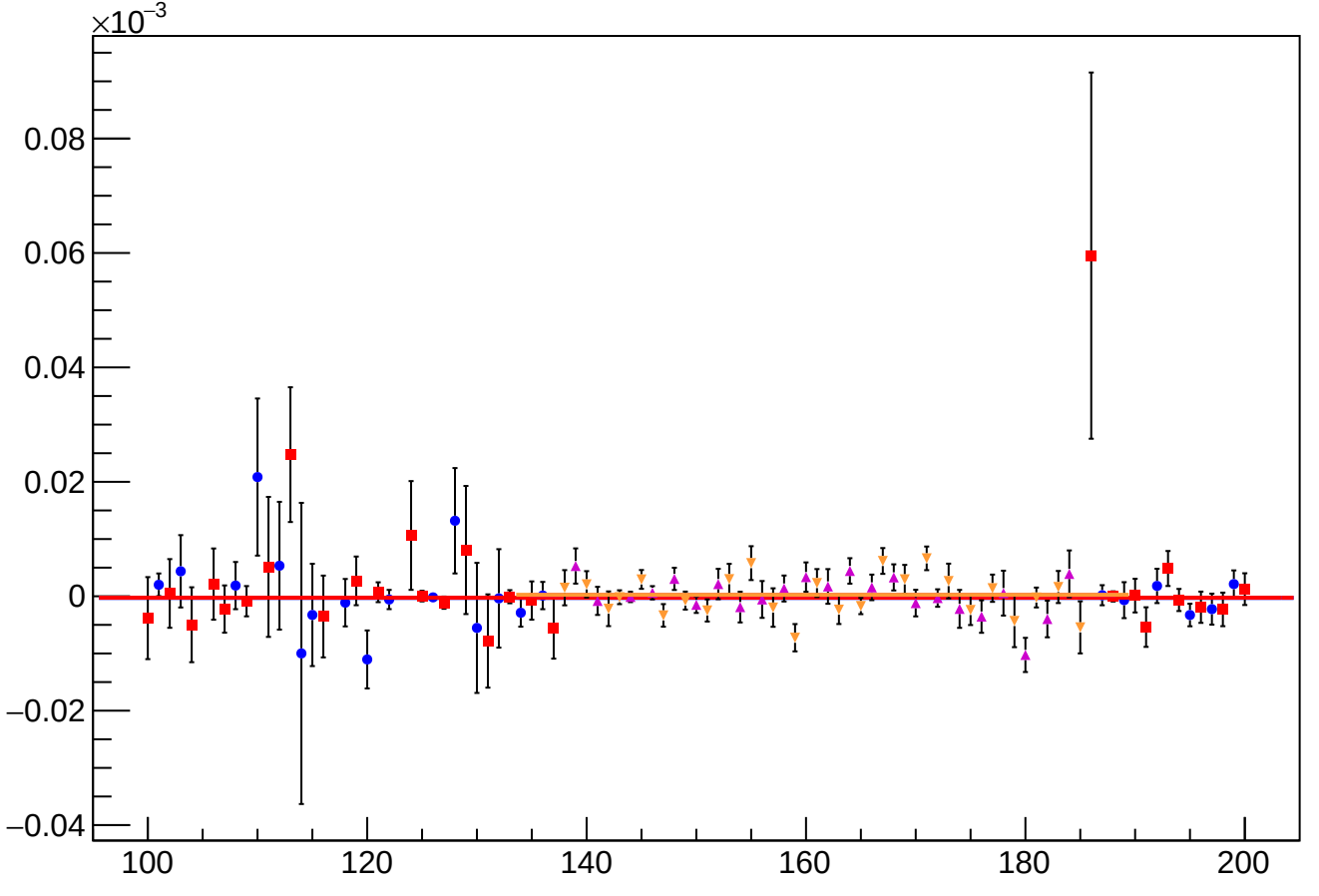
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.224+/-0.005 χ^2/NDF: 6490142.7/49

In: 29.992+/-0.004 χ^2/NDF:4359992.2/44

Out: 30.135+/-0.004 χ^2/NDF:5834091.8/52

All: 30.067+/-0.003 χ^2/NDF: 10194710.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/21

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

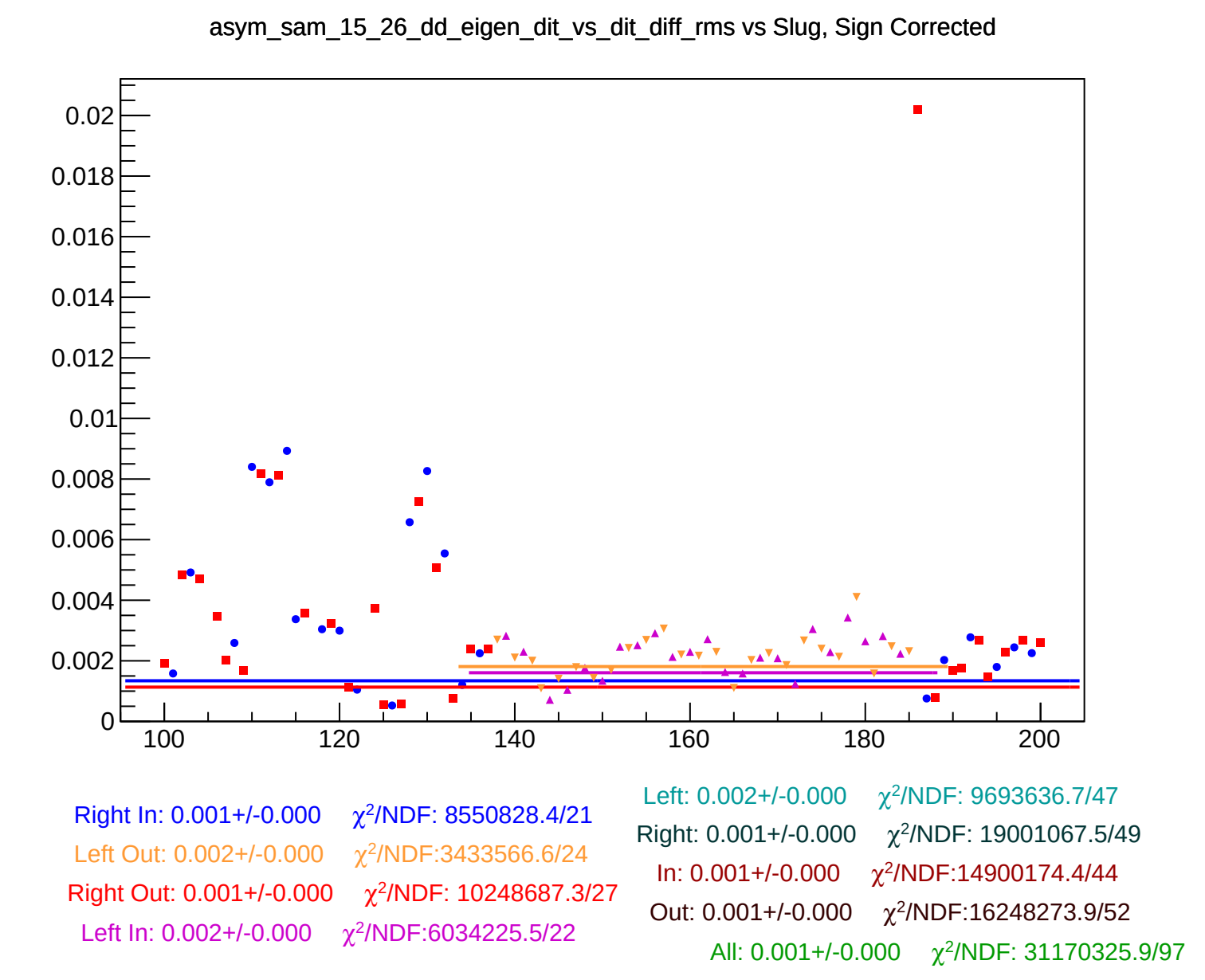
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

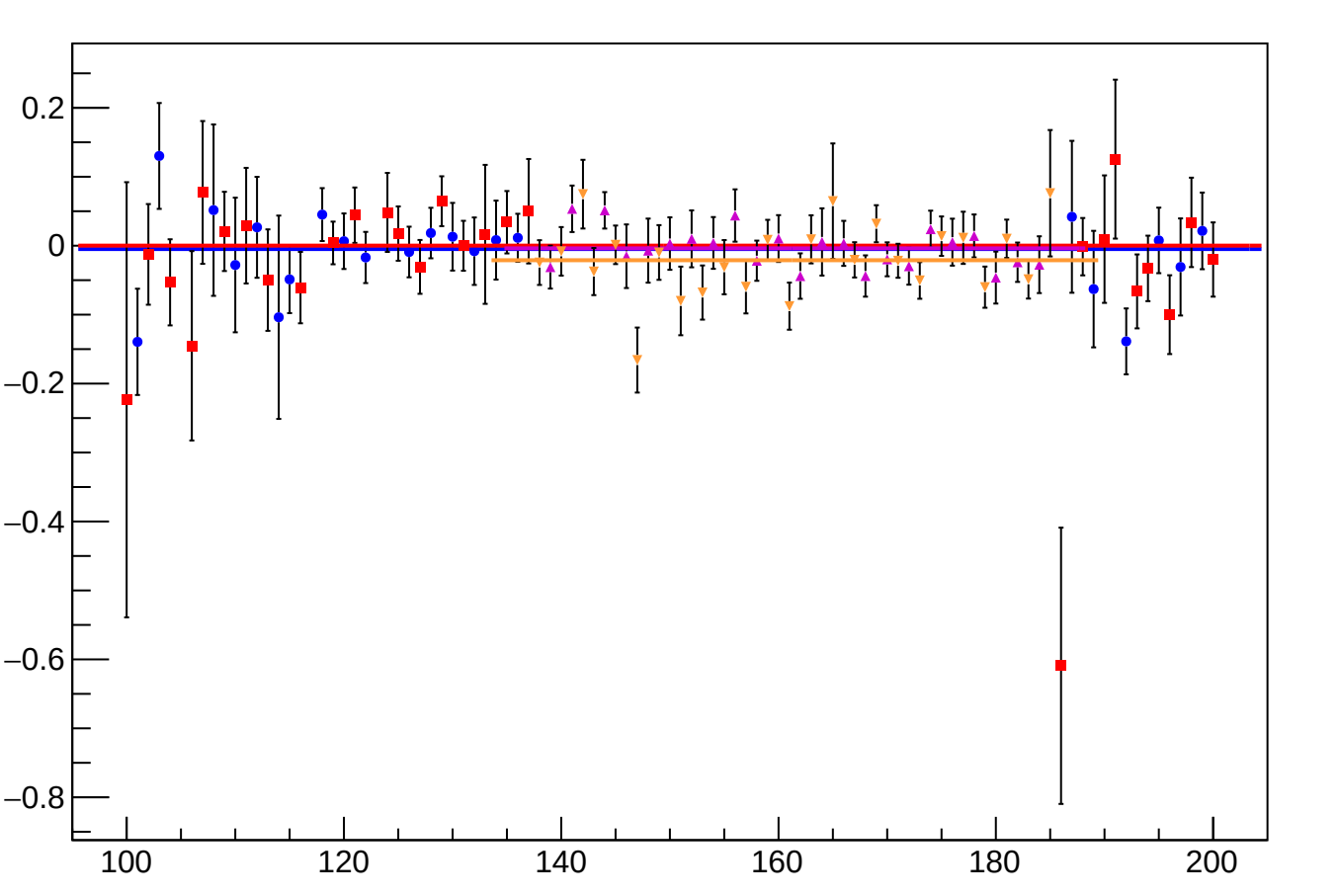
Right: -0.000+/-0.000 χ^2/NDF: 38.7/49

In: 0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:72.7/52

All: 0.000+/-0.000 χ^2/NDF: 124.1/97


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8550828.4/21
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 10248687.3/27
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
Left: 0.002+/-0.000 χ²/NDF: 9693636.7/47
Right: 0.001+/-0.000 χ²/NDF: 19001067.5/49
In: 0.001+/-0.000 χ²/NDF:14900174.4/44
Out: 0.001+/-0.000 χ²/NDF:16248273.9/52
All: 0.001+/-0.000 χ²/NDF: 31170325.9/97



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

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

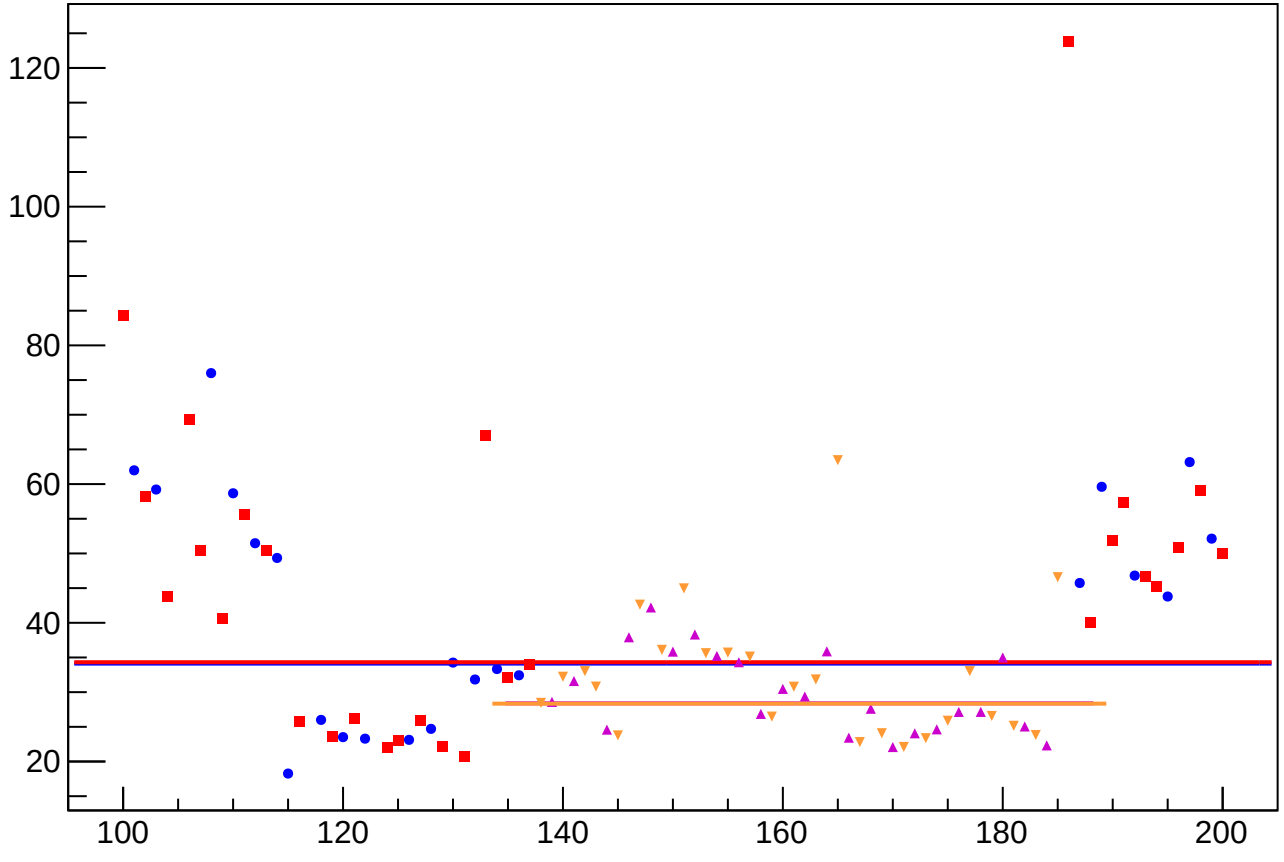
Right: -0.002+/-0.007 χ^2/NDF: 47.5/49

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.0/97

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

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

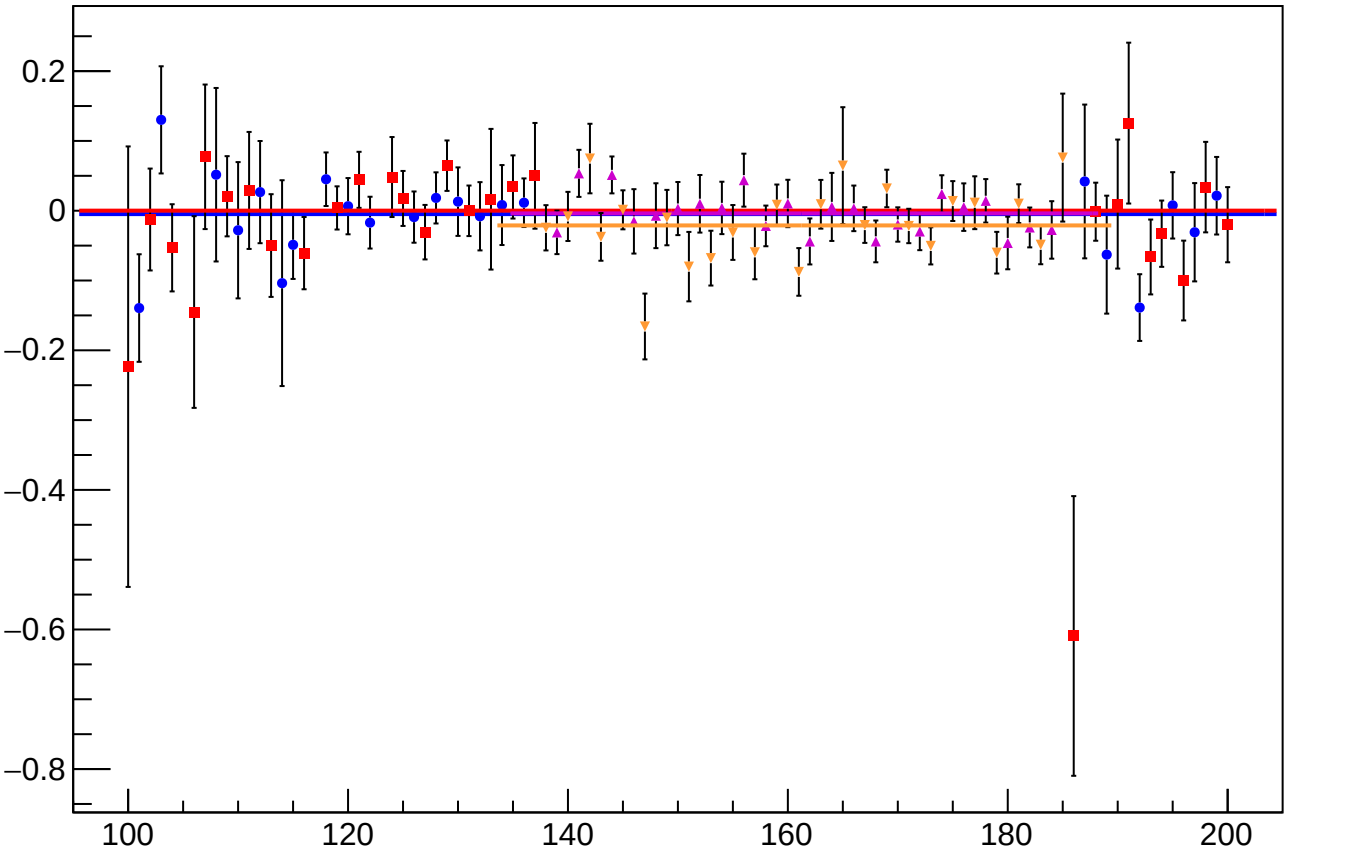
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.224+/-0.005 χ^2/NDF: 6490068.2/49

In: 29.993+/-0.004 χ^2/NDF:4359826.4/44

Out: 30.135+/-0.004 χ^2/NDF:5834064.7/52

All: 30.067+/-0.003 χ^2/NDF: 10194514.9/97



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

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

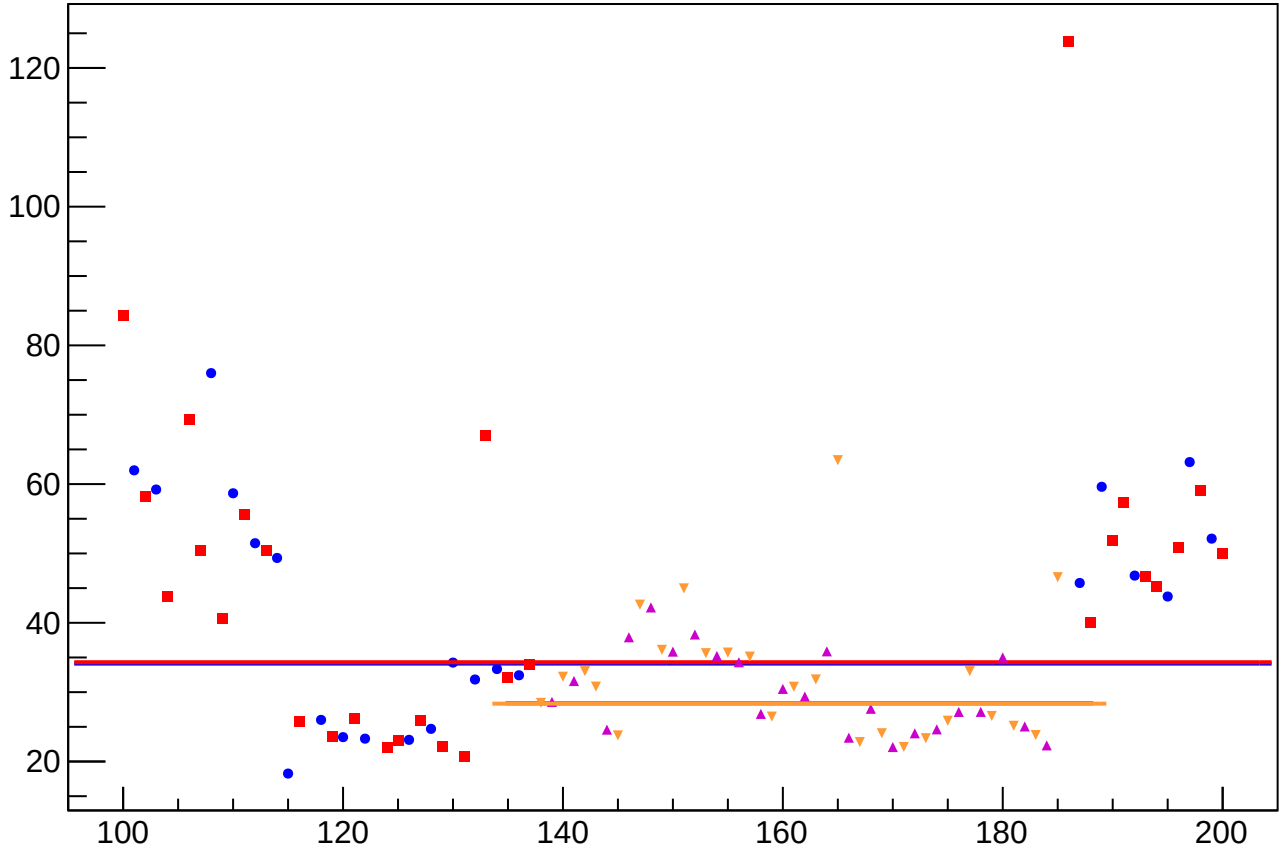
Right: -0.002+/-0.007 χ^2/NDF: 47.5/49

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/52

All: -0.010+/-0.004 χ^2/NDF: 108.0/97

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

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

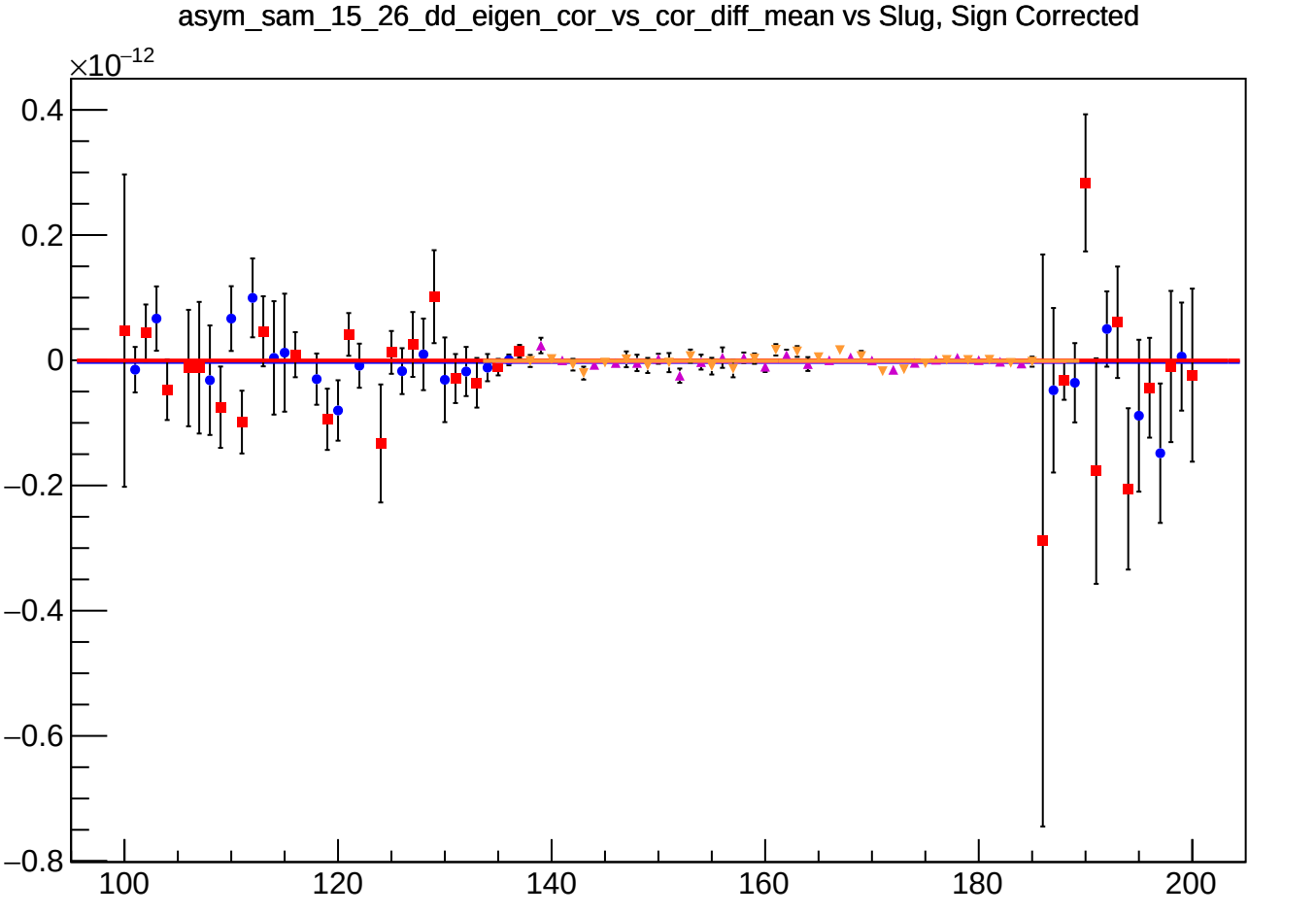
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.224+/-0.005 χ^2/NDF: 6490068.2/49

In: 29.993+/-0.004 χ^2/NDF:4359826.4/44

Out: 30.135+/-0.004 χ^2/NDF:5834064.7/52

All: 30.067+/-0.003 χ^2/NDF: 10194514.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/21

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

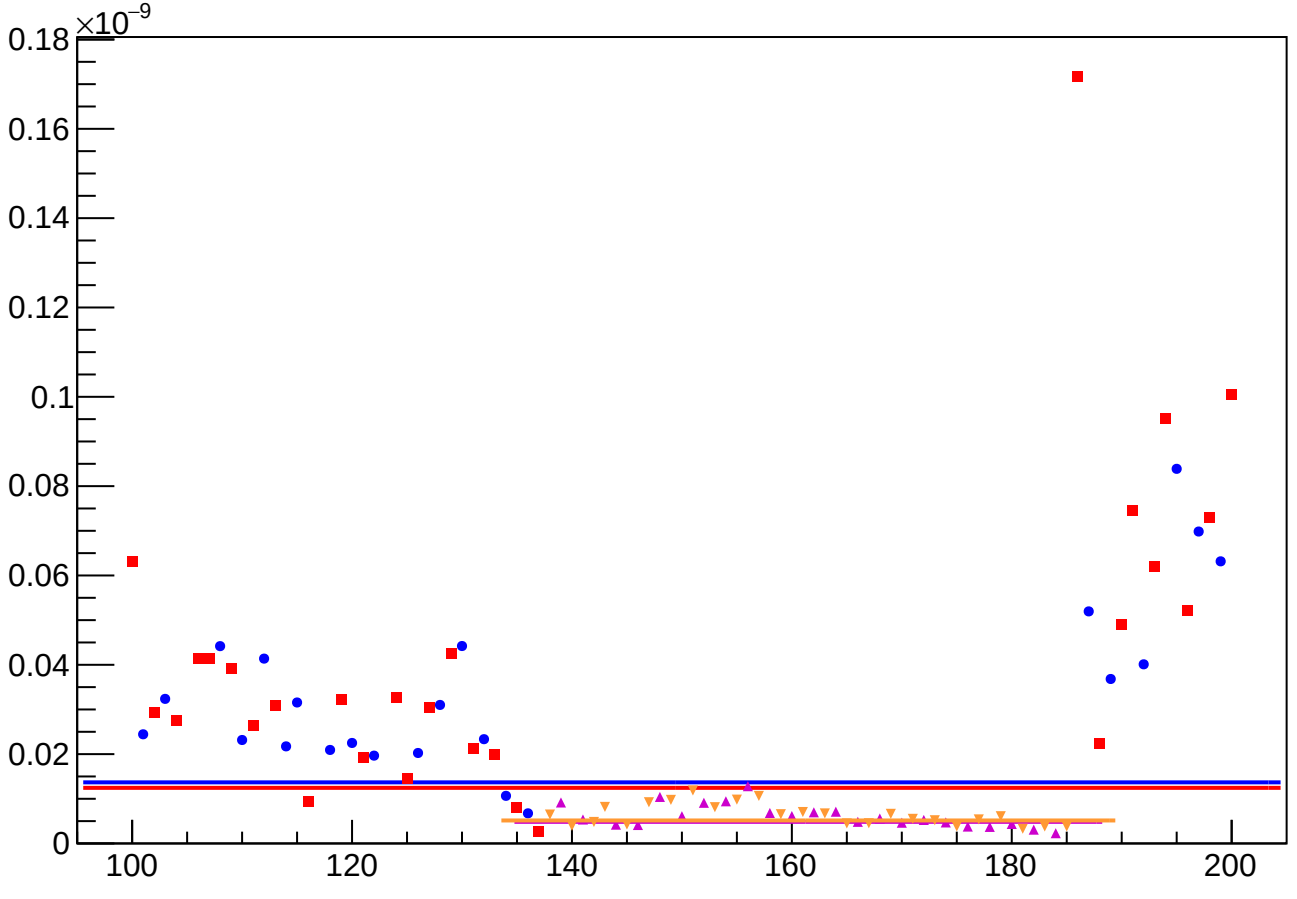
Right: -0.000+/-0.000 χ^2/NDF: 47.7/49

In: -0.000+/-0.000 χ^2/NDF:33.4/44

Out: -0.000+/-0.000 χ^2/NDF:68.0/52

All: -0.000+/-0.000 χ^2/NDF: 101.6/97

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6187661.5/21

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

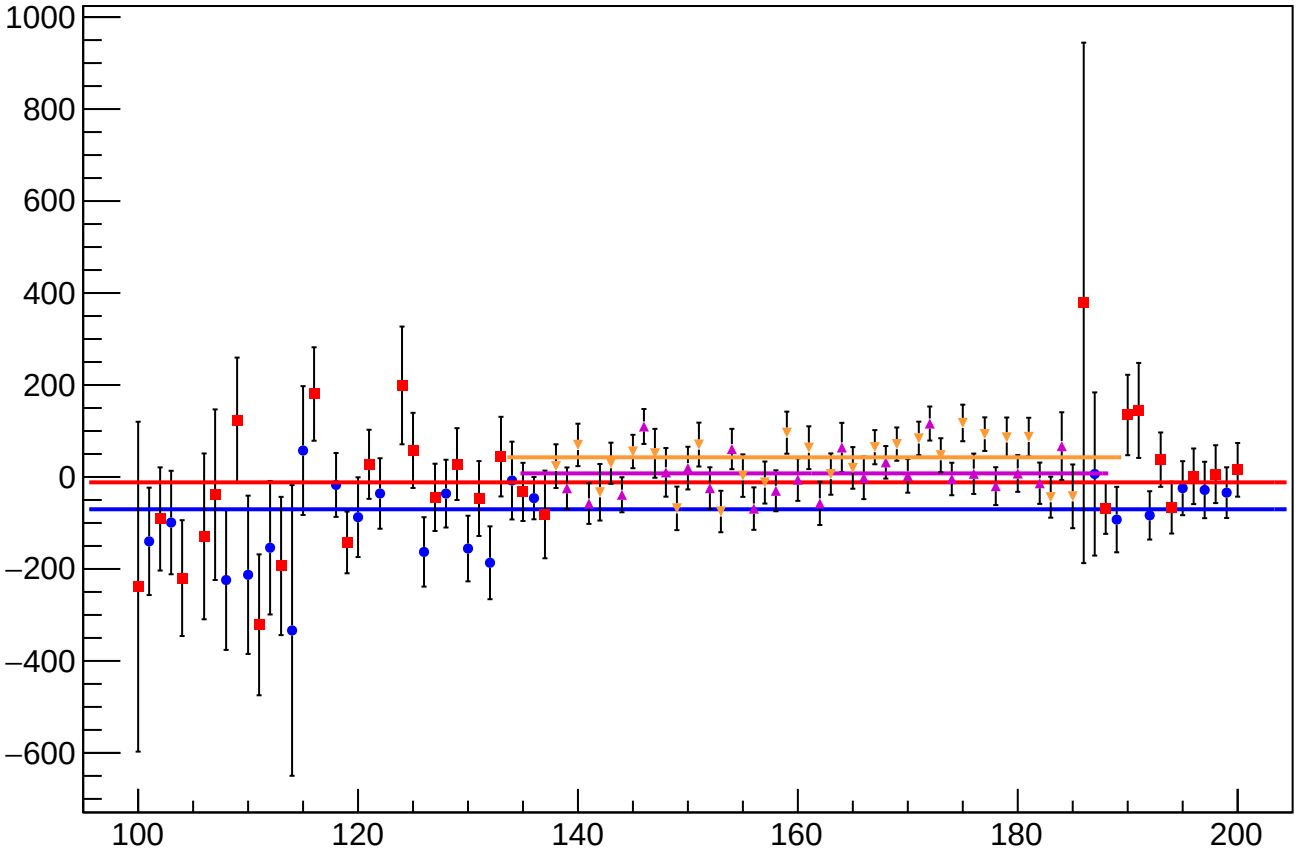
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15323298.3/49

In: 0.000+/-0.000 χ^2/NDF:12570436.0/44

Out: 0.000+/-0.000 χ^2/NDF:14585692.1/52

All: 0.000+/-0.000 χ^2/NDF: 27193388.4/97



Right In: -70.230+/-16.546 χ^2/NDF: 12.8/21

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

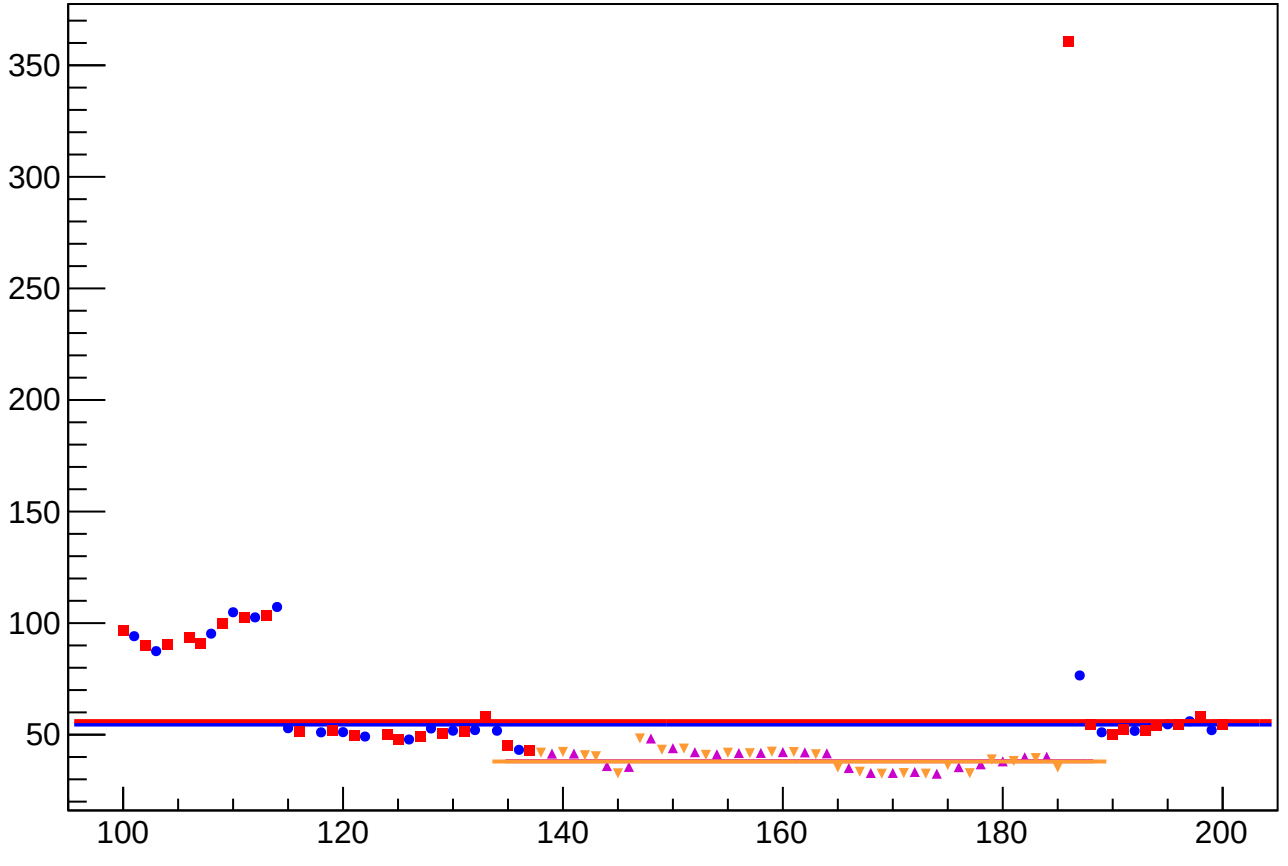
Right: -39.548+/-11.415 χ^2/NDF: 51.3/49

In: -9.950+/-7.889 χ^2/NDF:60.6/44

Out: 30.063+/-7.616 χ^2/NDF:75.9/52

All: 10.760+/-5.479 χ^2/NDF: 149.8/97

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 54.547+/-0.012 χ^2/NDF: 1201072.9/21

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

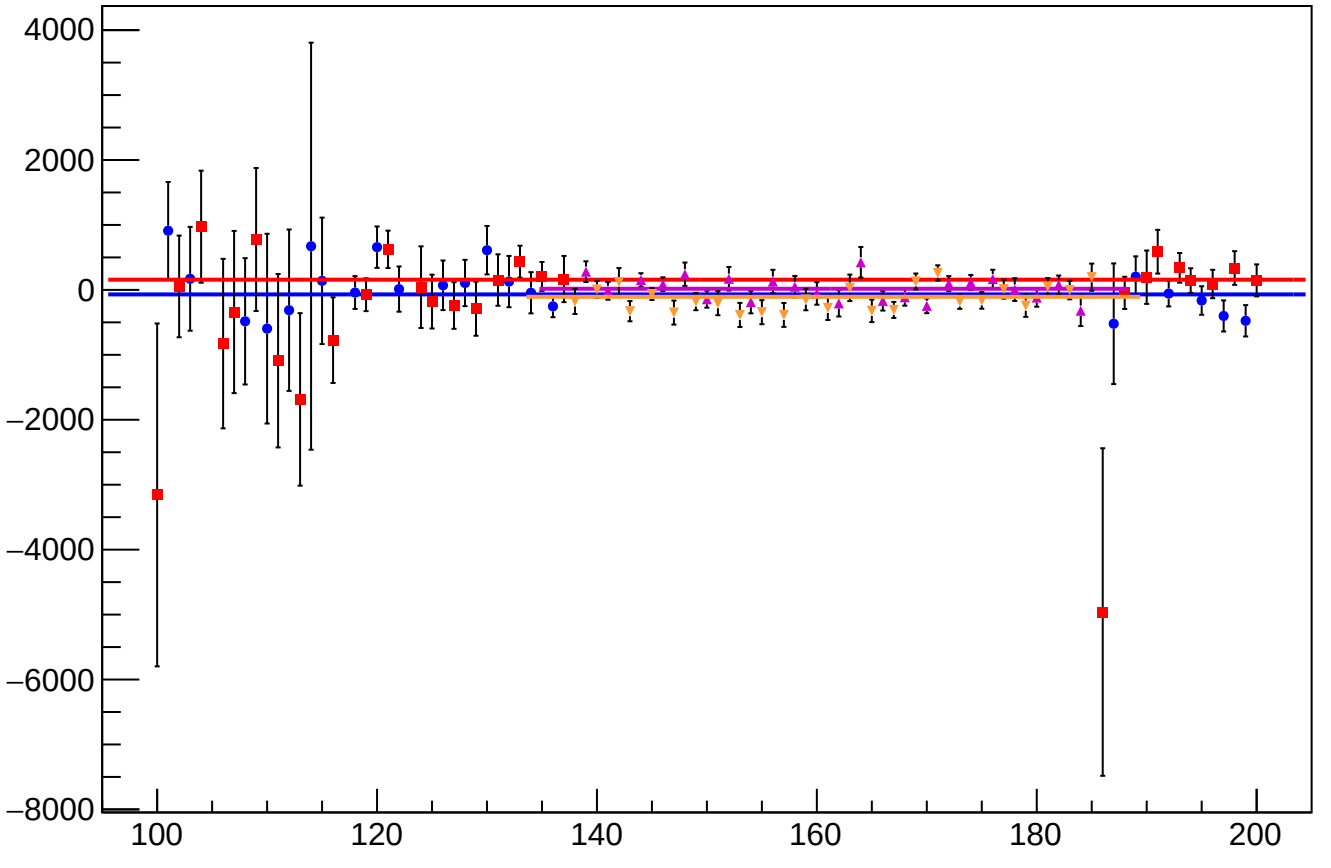
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.353+/-0.008 χ^2/NDF: 3111433.0/49

In: 41.864+/-0.006 χ^2/NDF:3150175.4/44

Out: 42.211+/-0.005 χ^2/NDF:4434387.3/52

All: 42.044+/-0.004 χ^2/NDF: 7586572.5/97



Right In: -69.546+/-69.582 χ^2/NDF: 18.6/21

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

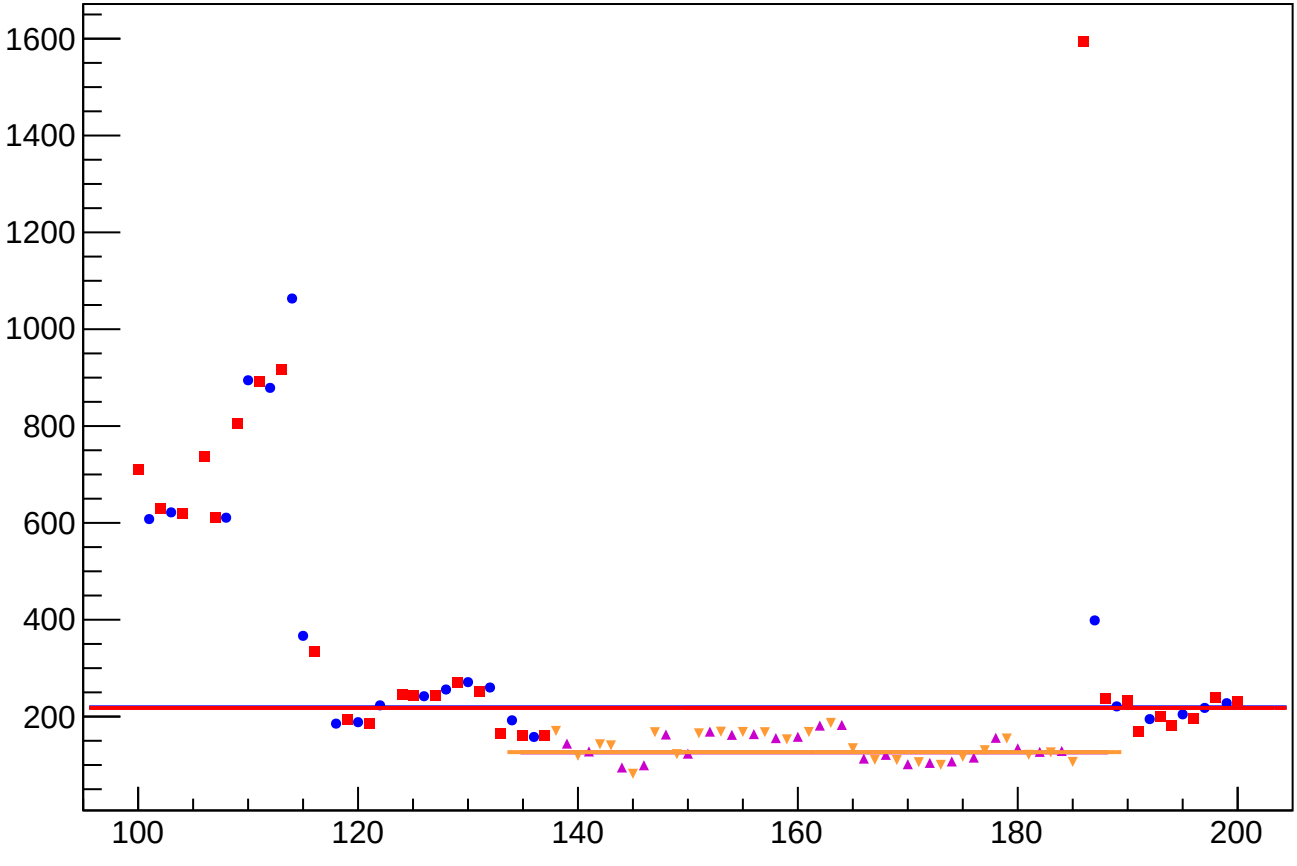
Right: 52.101+/-47.357 χ^2/NDF: 48.2/49

In: 3.727+/-27.692 χ^2/NDF:48.2/44

Out: -60.908+/-26.885 χ^2/NDF:75.2/52

All: -29.546+/-19.289 χ^2/NDF: 126.2/97

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089874.2/21

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

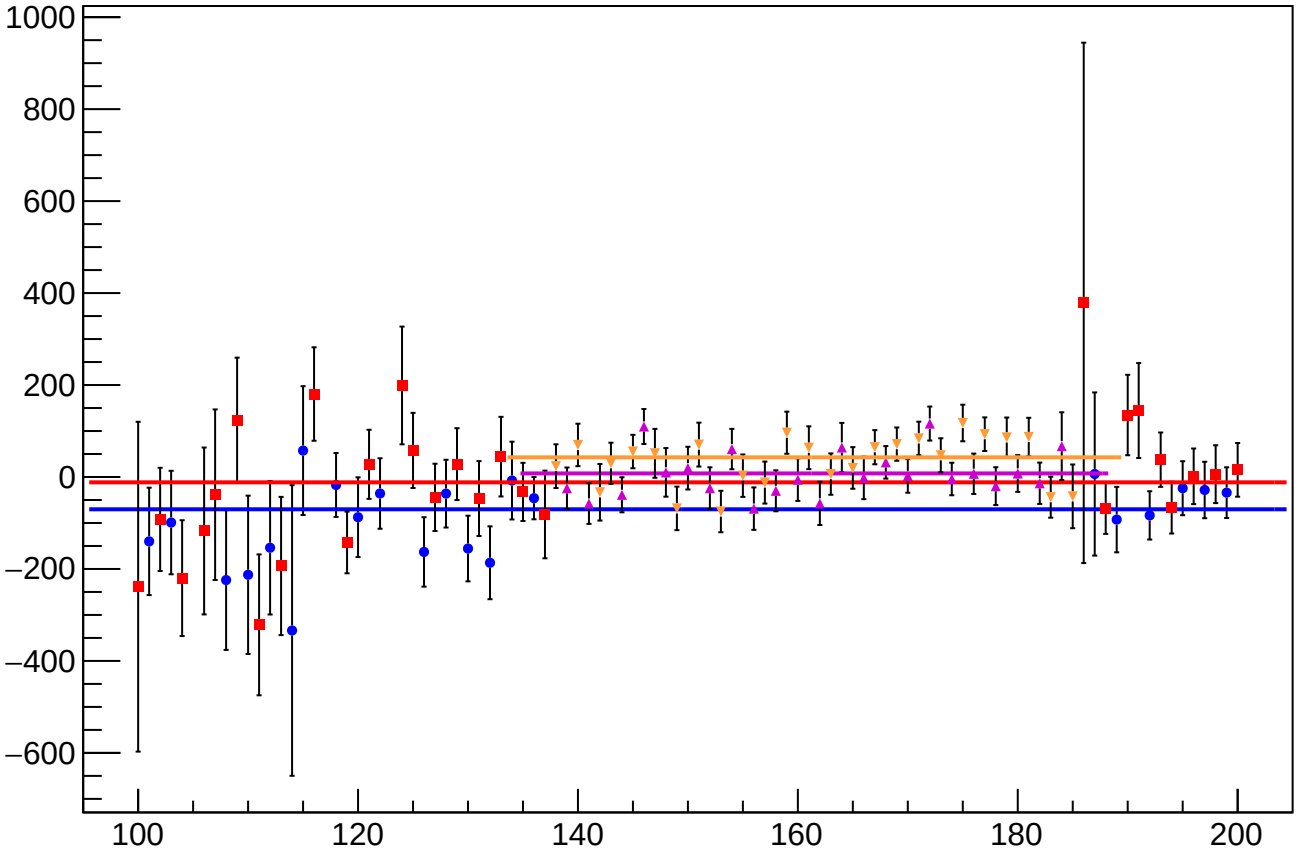
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 218.401+/-0.033 χ^2/NDF: 7523685.0/49

In: 140.755+/-0.020 χ^2/NDF:7512420.2/44

Out: 142.346+/-0.019 χ^2/NDF:9487501.5/52

All: 141.574+/-0.014 χ^2/NDF: 17003317.6/97



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

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

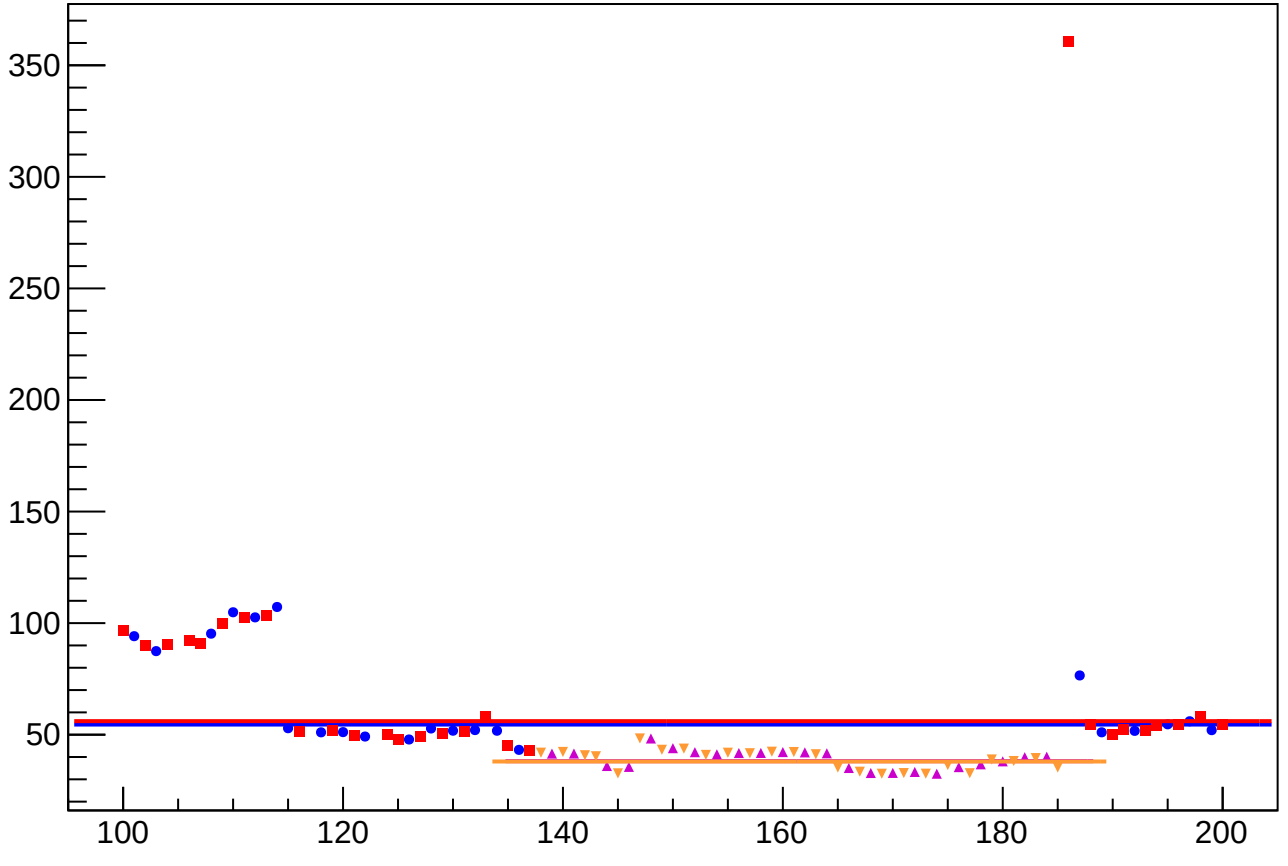
Right: -39.506+/-11.415 χ^2/NDF: 51.3/49

In: -9.948+/-7.889 χ^2/NDF:60.6/44

Out: 30.084+/-7.616 χ^2/NDF:75.8/52

All: 10.771+/-5.479 χ^2/NDF: 149.7/97

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

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

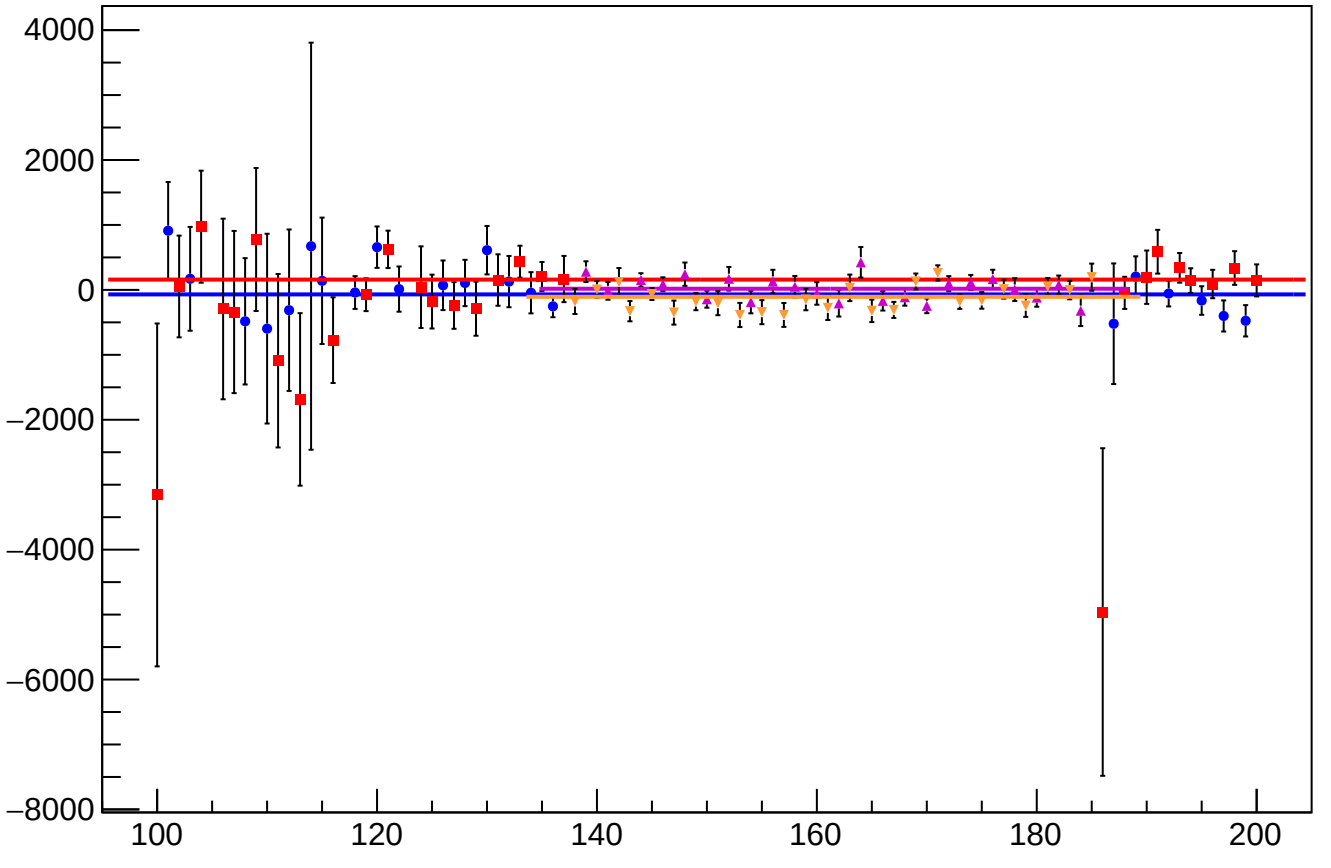
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.346+/-0.008 χ^2/NDF: 3103512.9/49

In: 41.864+/-0.006 χ^2/NDF:3150175.6/44

Out: 42.208+/-0.005 χ^2/NDF:4423169.5/52

All: 42.042+/-0.004 χ^2/NDF: 7575311.3/97



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

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

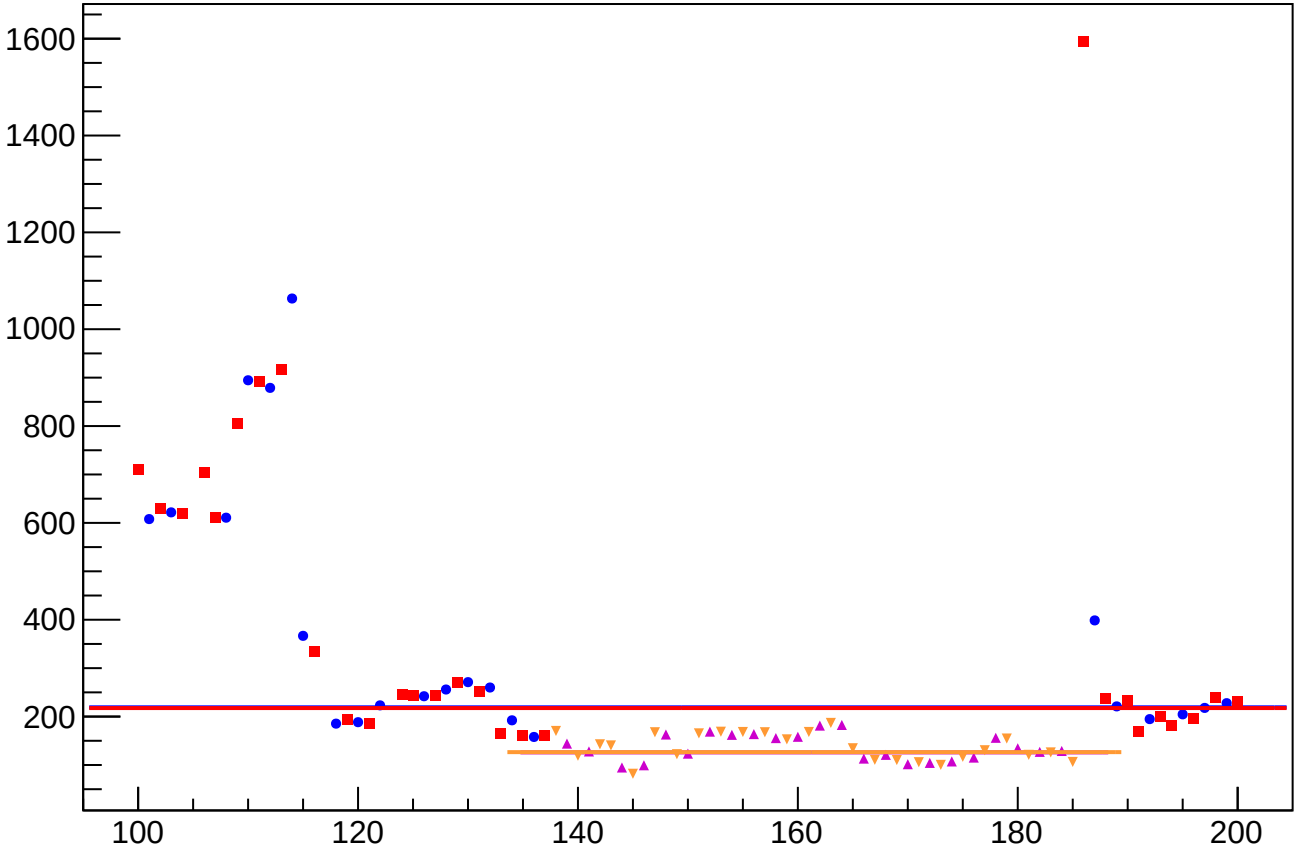
Right: 52.848+/-47.361 χ^2/NDF: 47.8/49

In: 3.728+/-27.692 χ^2/NDF:48.2/44

Out: -60.672+/-26.885 χ^2/NDF:74.9/52

All: -29.423+/-19.290 χ^2/NDF: 125.9/97

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

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

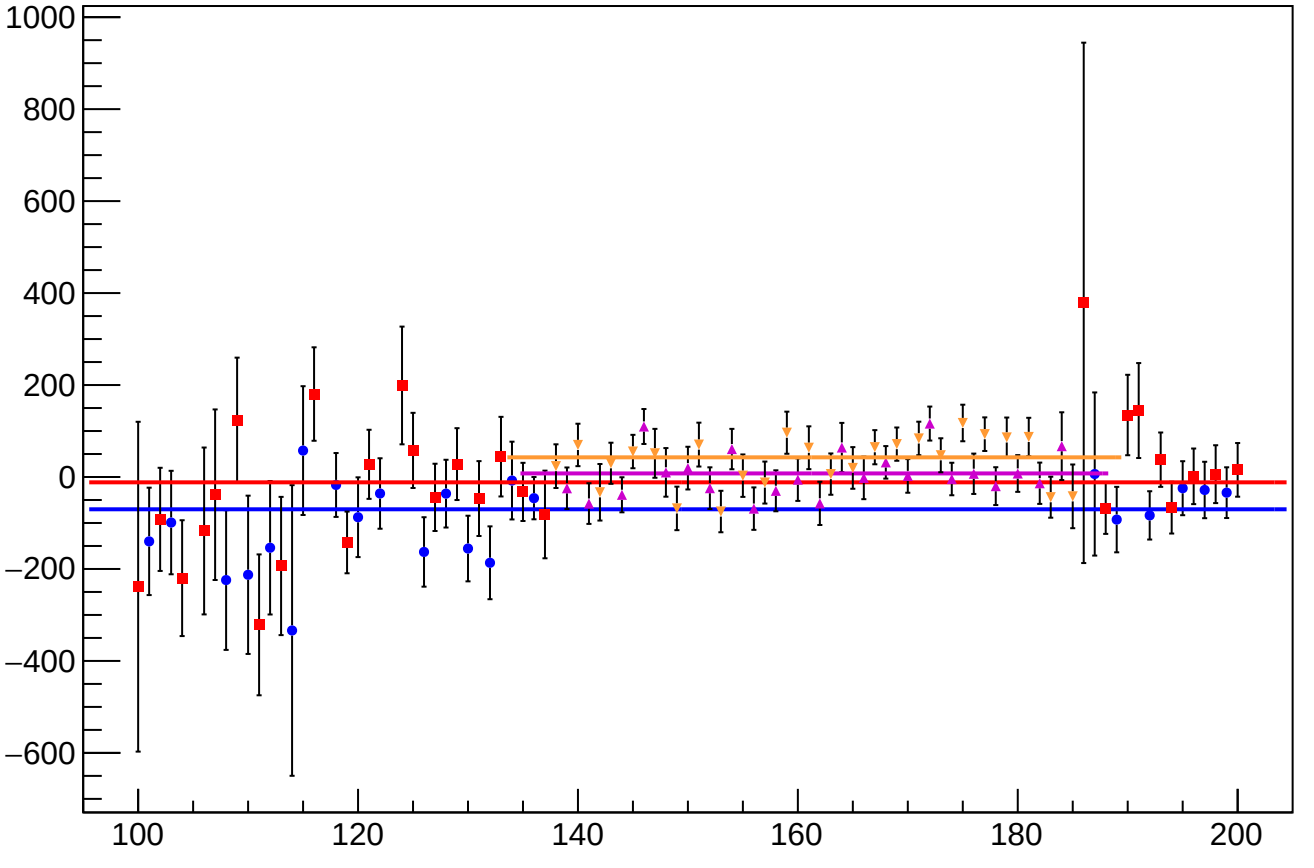
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 218.282+/-0.033 χ^2/NDF: 7453139.1/49

In: 140.755+/-0.020 χ^2/NDF:7512438.7/44

Out: 142.304+/-0.019 χ^2/NDF:9400042.1/52

All: 141.552+/-0.014 χ^2/NDF: 16915699.5/97



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

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

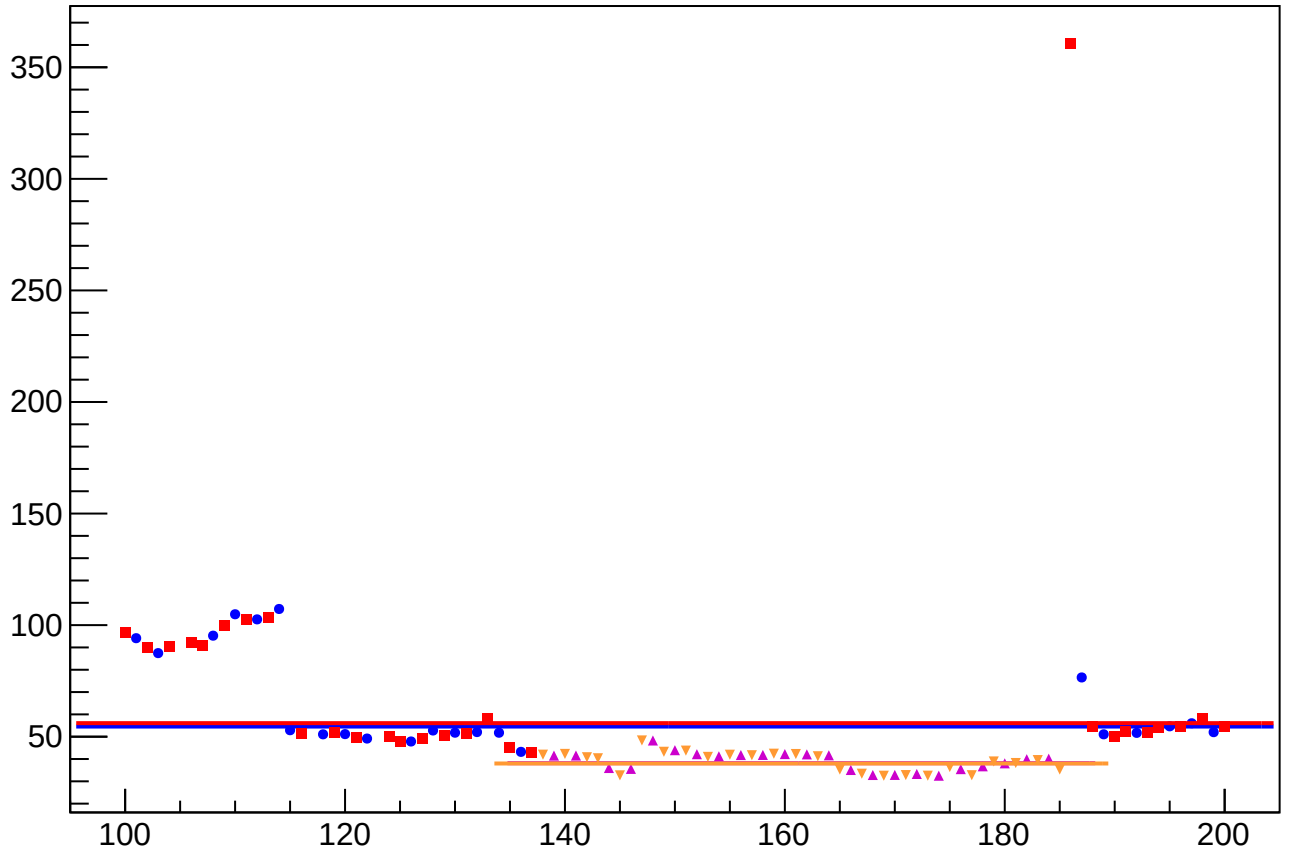
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -39.506+/-11.415 χ^2/NDF: 51.3/49

In: -9.948+/-7.889 χ^2/NDF:60.6/44

Out: 30.084+/-7.616 χ^2/NDF:75.8/52

All: 10.771+/-5.479 χ^2/NDF: 149.7/97



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

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

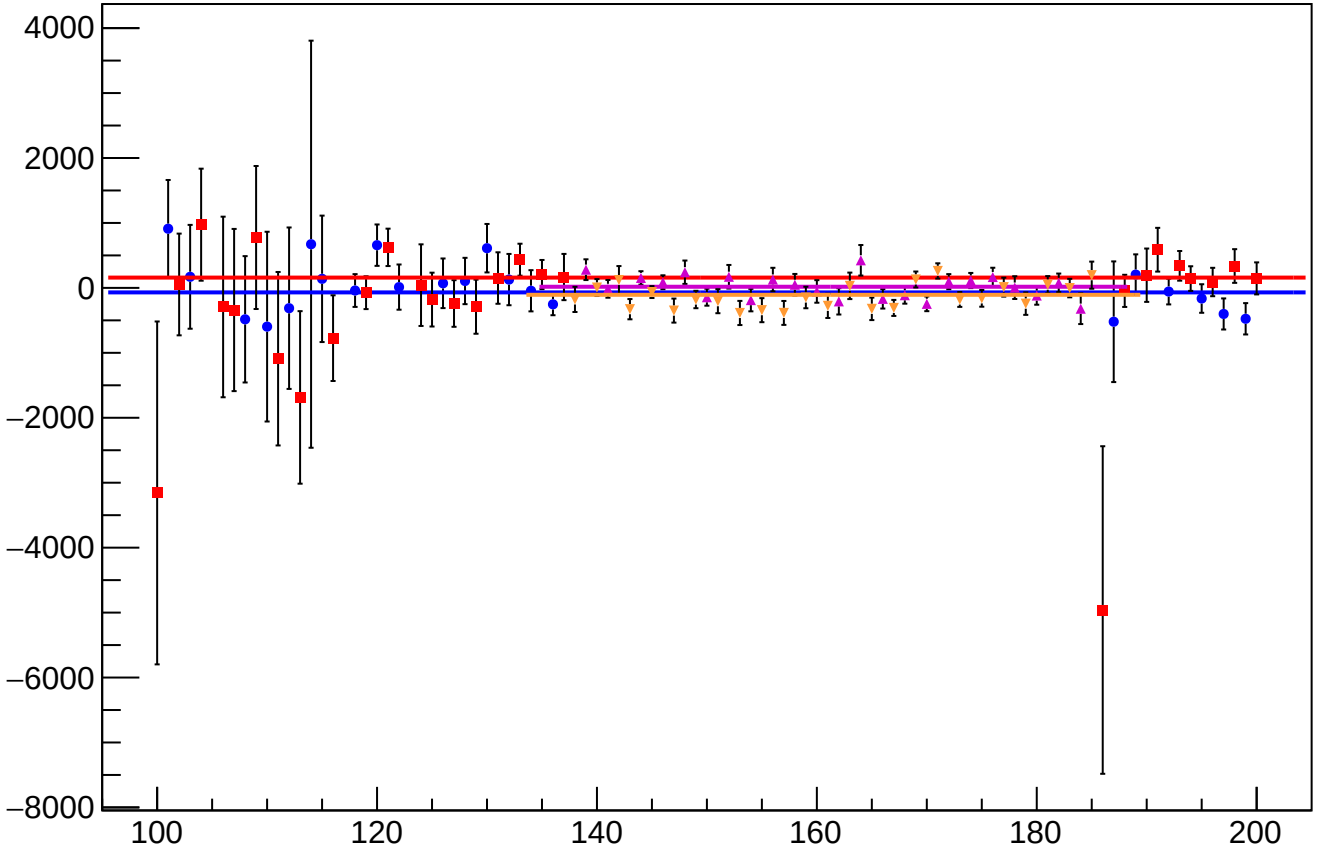
Right: 55.346+/-0.008 χ^2/NDF: 3103512.9/49

In: 41.864+/-0.006 χ^2/NDF:3150175.6/44

Out: 42.208+/-0.005 χ^2/NDF:4423169.5/52

All: 42.042+/-0.004 χ^2/NDF: 7575311.3/97

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

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

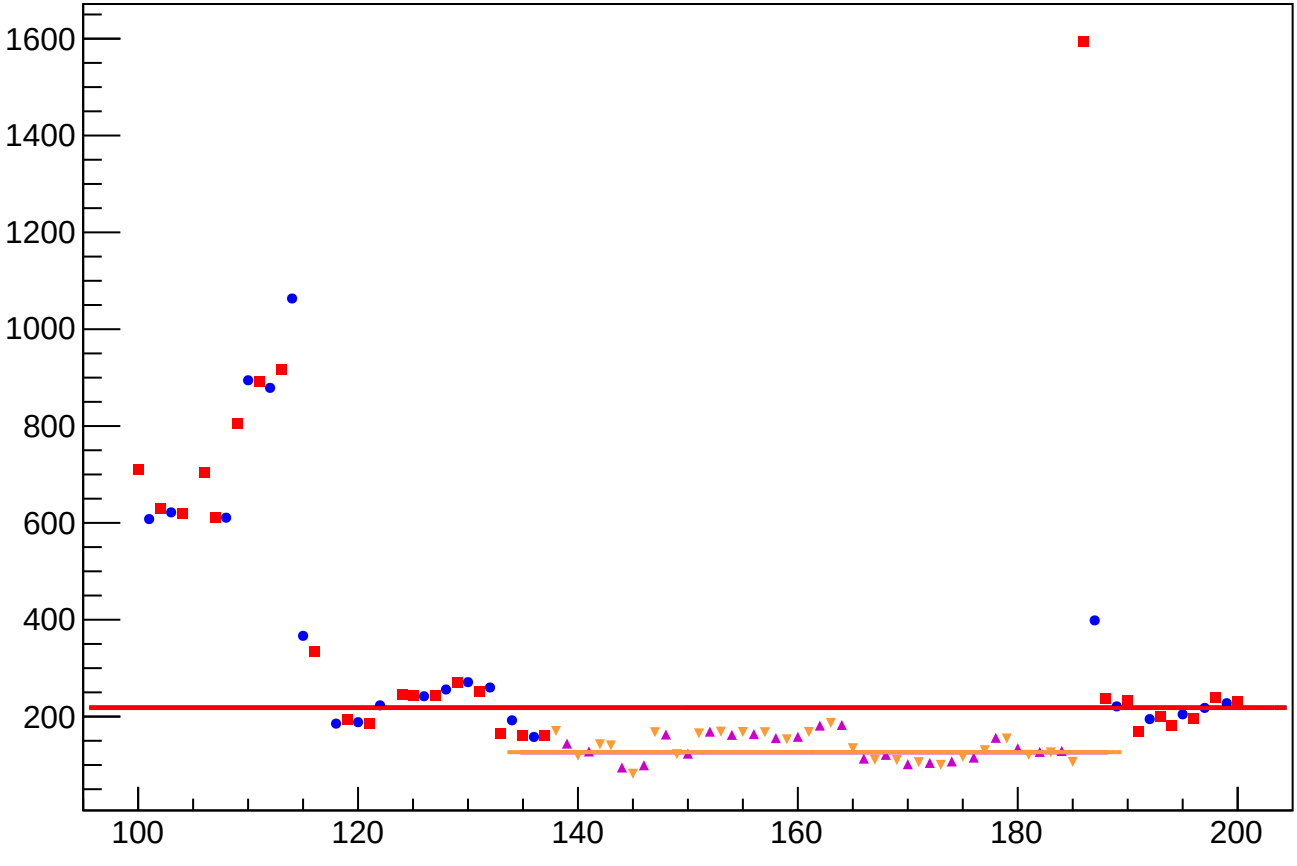
Right: 52.848+/-47.361 χ^2/NDF: 47.8/49

In: 3.728+/-27.692 χ^2/NDF:48.2/44

Out: -60.672+/-26.885 χ^2/NDF:74.9/52

All: -29.423+/-19.290 χ^2/NDF: 125.9/97

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

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

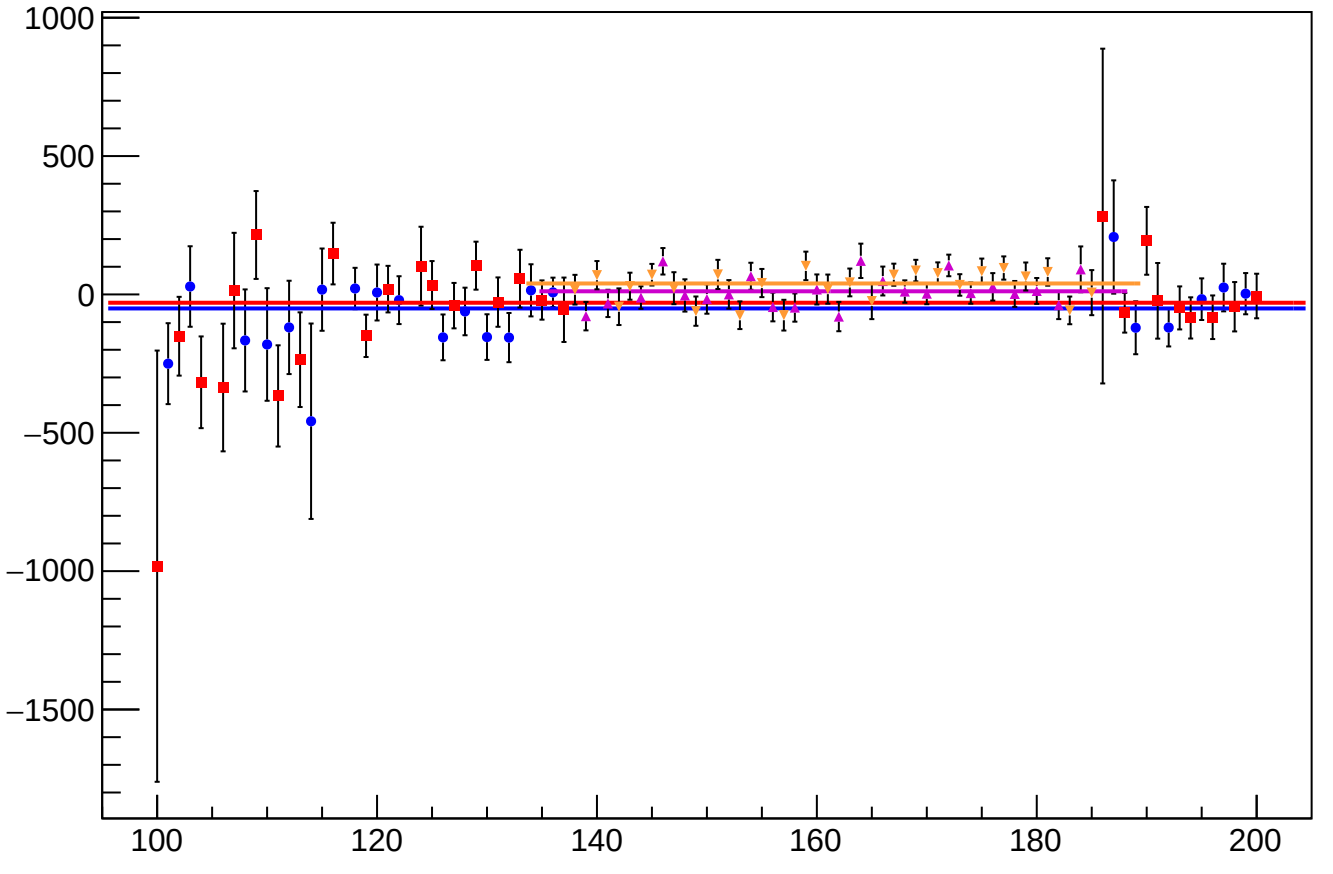
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 218.282+/-0.033 χ^2/NDF: 7453139.1/49

In: 140.755+/-0.020 χ^2/NDF:7512438.7/44

Out: 142.304+/-0.019 χ^2/NDF:9400042.1/52

All: 141.552+/-0.014 χ^2/NDF: 16915699.5/97



Right In: -50.709+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -30.074+/-19.303 χ^2/NDF: 29.2/27

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

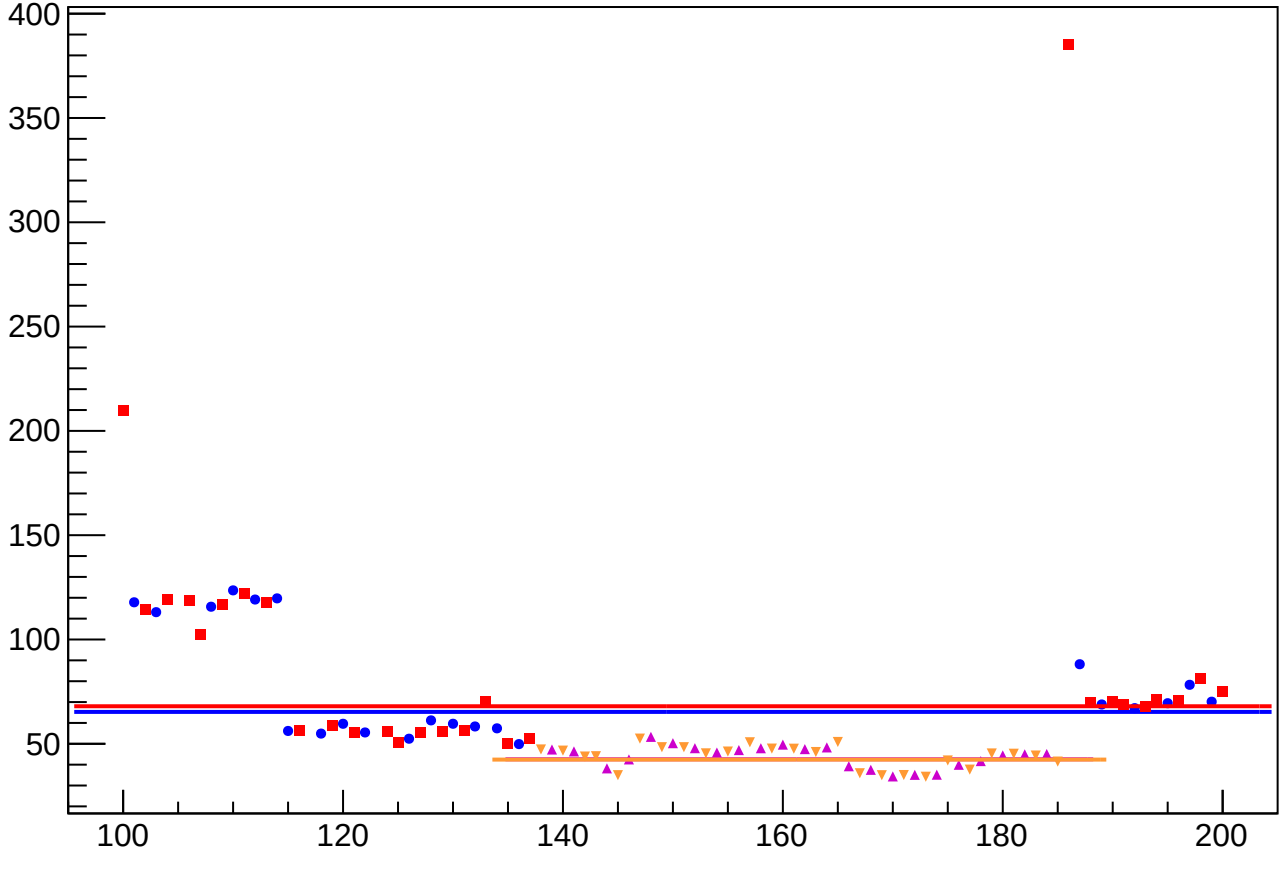
Right: -40.040+/-13.880 χ^2/NDF: 46.7/49

In: -1.278+/-8.997 χ^2/NDF:52.5/44

Out: 25.419+/-8.699 χ^2/NDF:69.2/52

All: 12.519+/-6.254 χ^2/NDF: 126.2/97

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 65.290+/-0.014 χ^2/NDF: 1464119.8/21

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

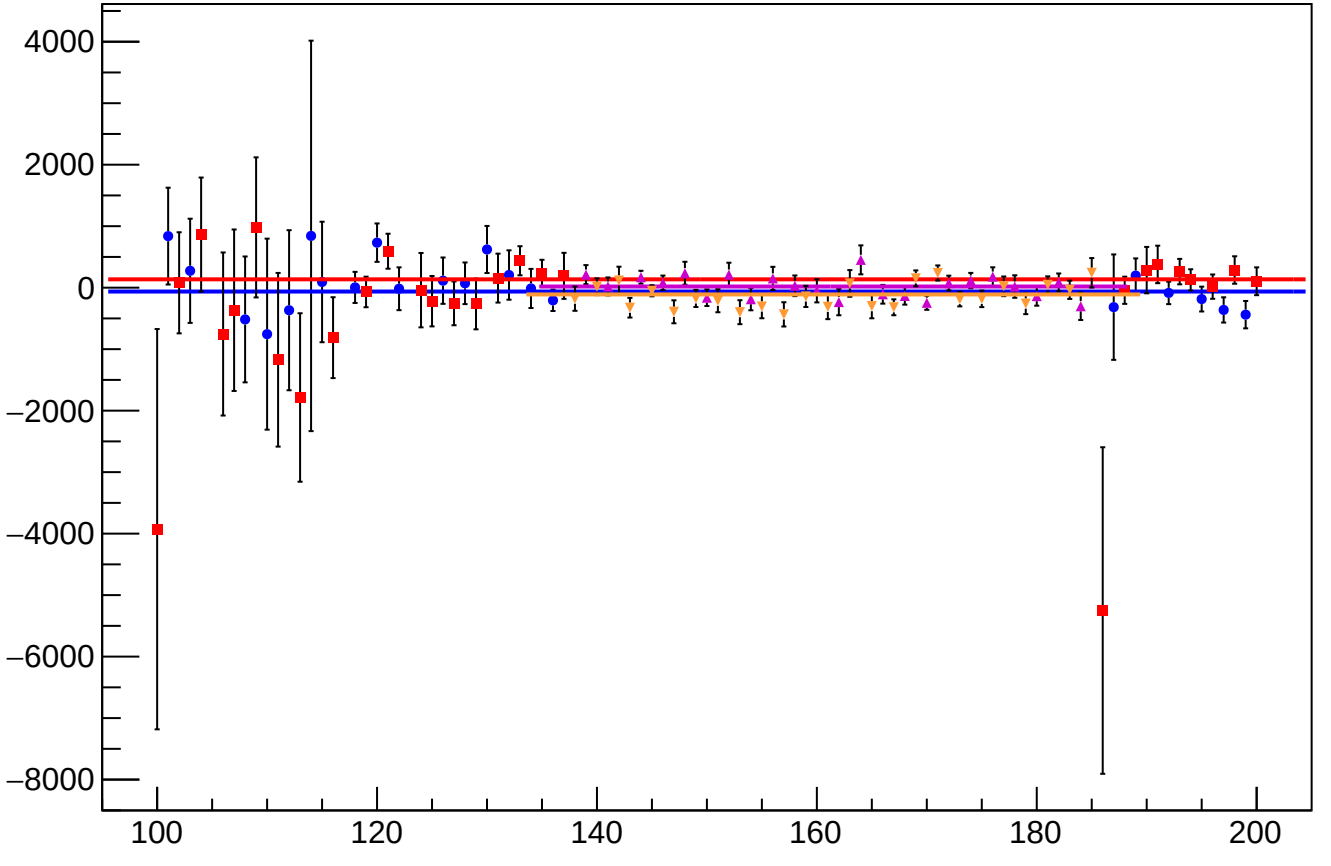
Right: 66.688+/-0.010 χ^2/NDF: 3727764.3/49

In: 47.187+/-0.006 χ^2/NDF:4115355.8/44

Out: 47.620+/-0.006 χ^2/NDF:5739953.4/52

All: 47.411+/-0.004 χ^2/NDF: 9857694.9/97

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -62.938+/-66.715 χ^2/NDF: 19.6/21

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

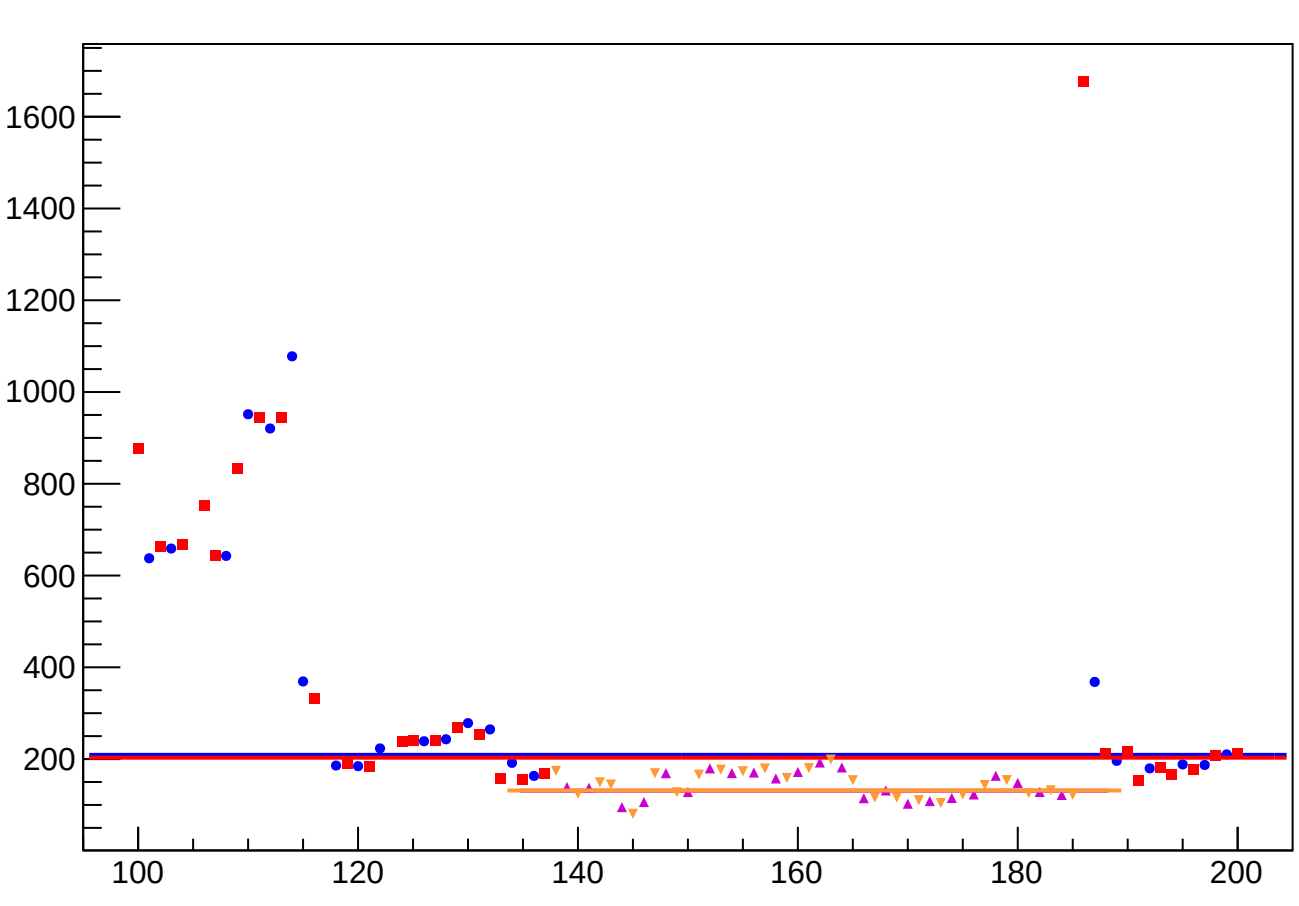
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 45.809+/-44.868 χ^2/NDF: 47.6/49

In: 3.949+/-28.467 χ^2/NDF:48.1/44

Out: -59.618+/-27.430 χ^2/NDF:72.4/52

All: -29.013+/-19.753 χ^2/NDF: 123.1/97



Right In: 209.135+/-0.047 χ^2/NDF: 3256186.8/21

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

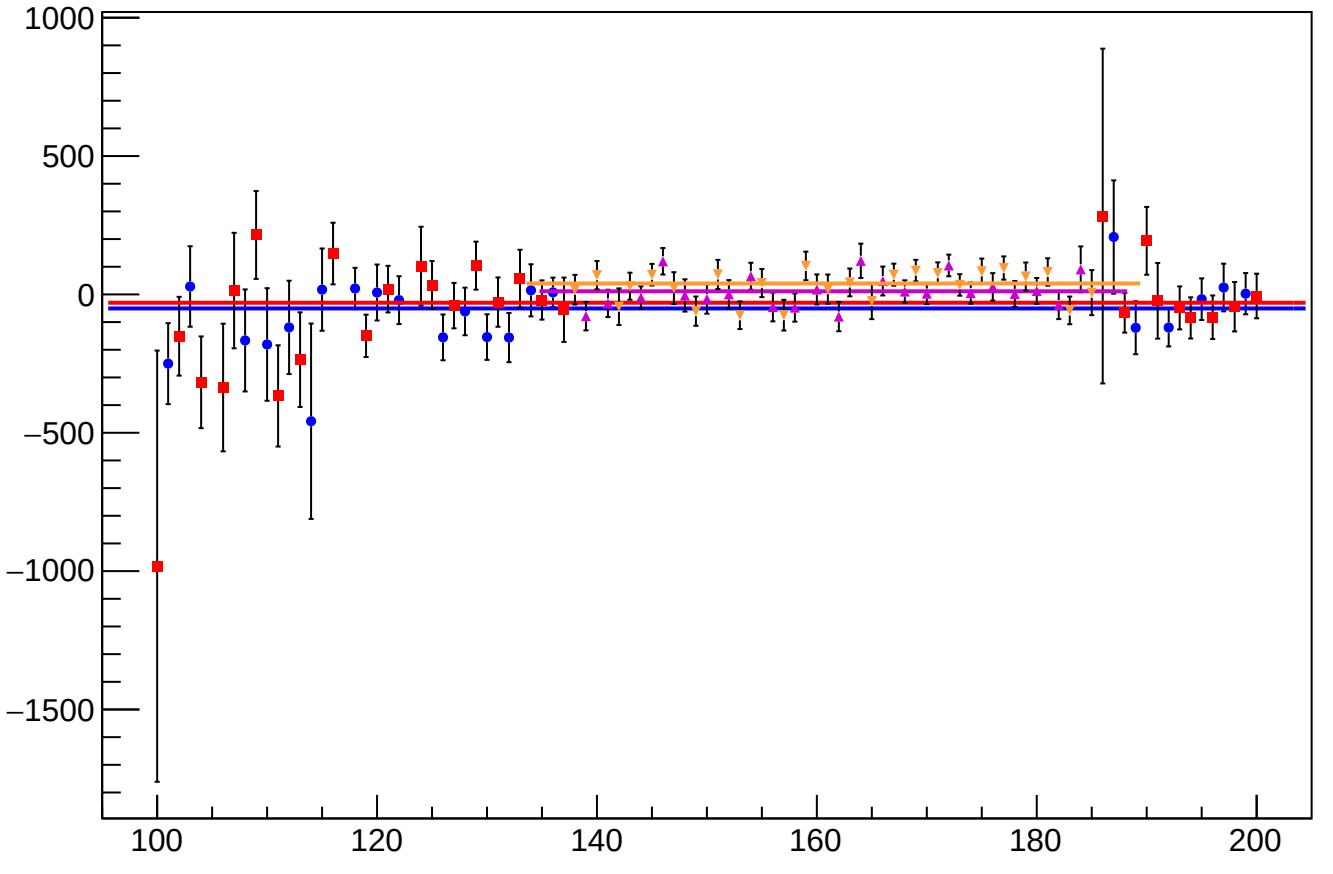
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 205.795+/-0.032 χ^2/NDF: 8023137.7/49

In: 145.287+/-0.020 χ^2/NDF:6963561.4/44

Out: 146.156+/-0.019 χ^2/NDF:8874290.0/52

All: 145.737+/-0.014 χ^2/NDF: 15838818.2/97



Right In: -50.710+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -30.075+/-19.303 χ^2/NDF: 29.2/27

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

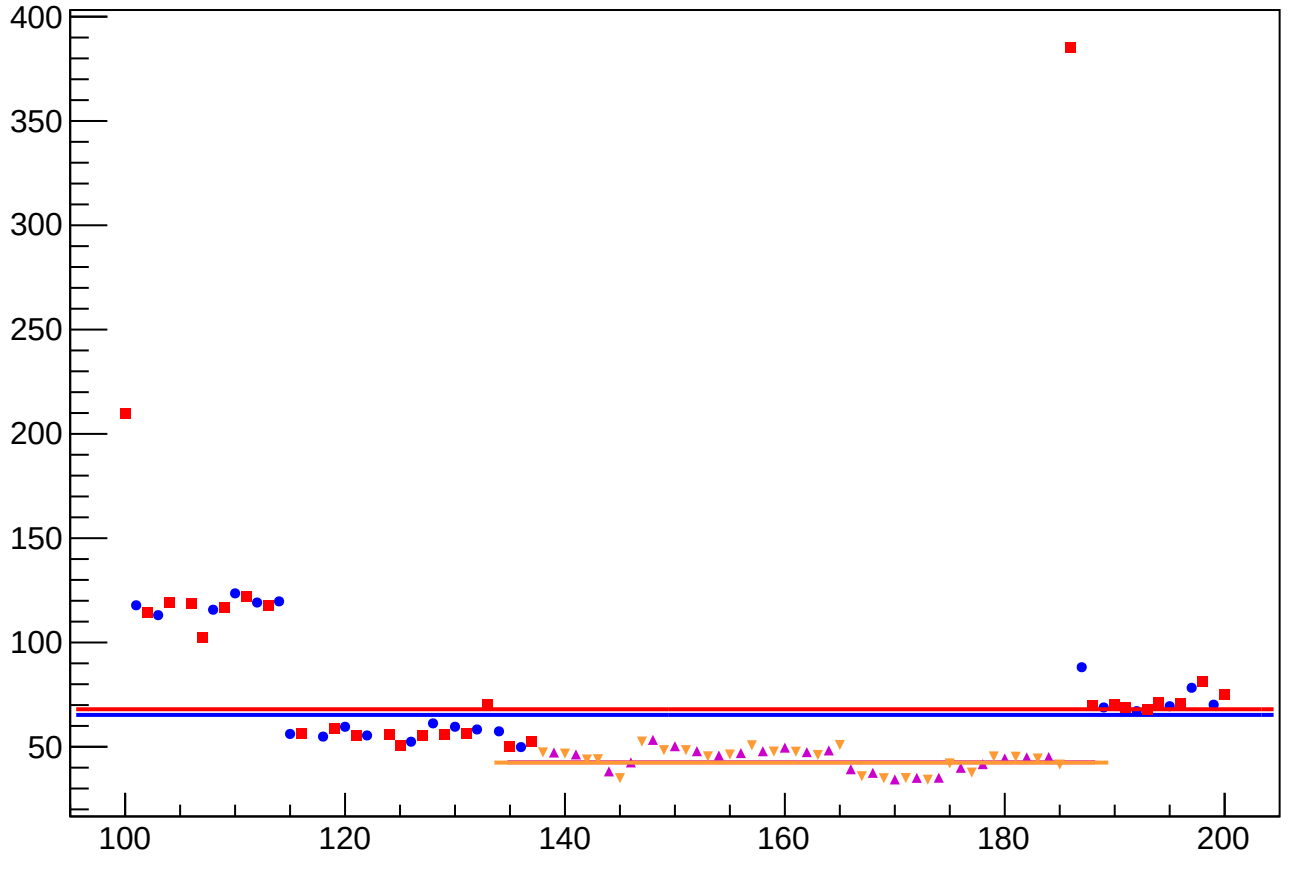
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.041+/-13.880 χ^2/NDF: 46.7/49

In: -1.278+/-8.997 χ^2/NDF:52.5/44

Out: 25.419+/-8.699 χ^2/NDF:69.2/52

All: 12.519+/-6.254 χ^2/NDF: 126.2/97



Right In: 65.290+/-0.014 χ^2/NDF: 1464124.4/21

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

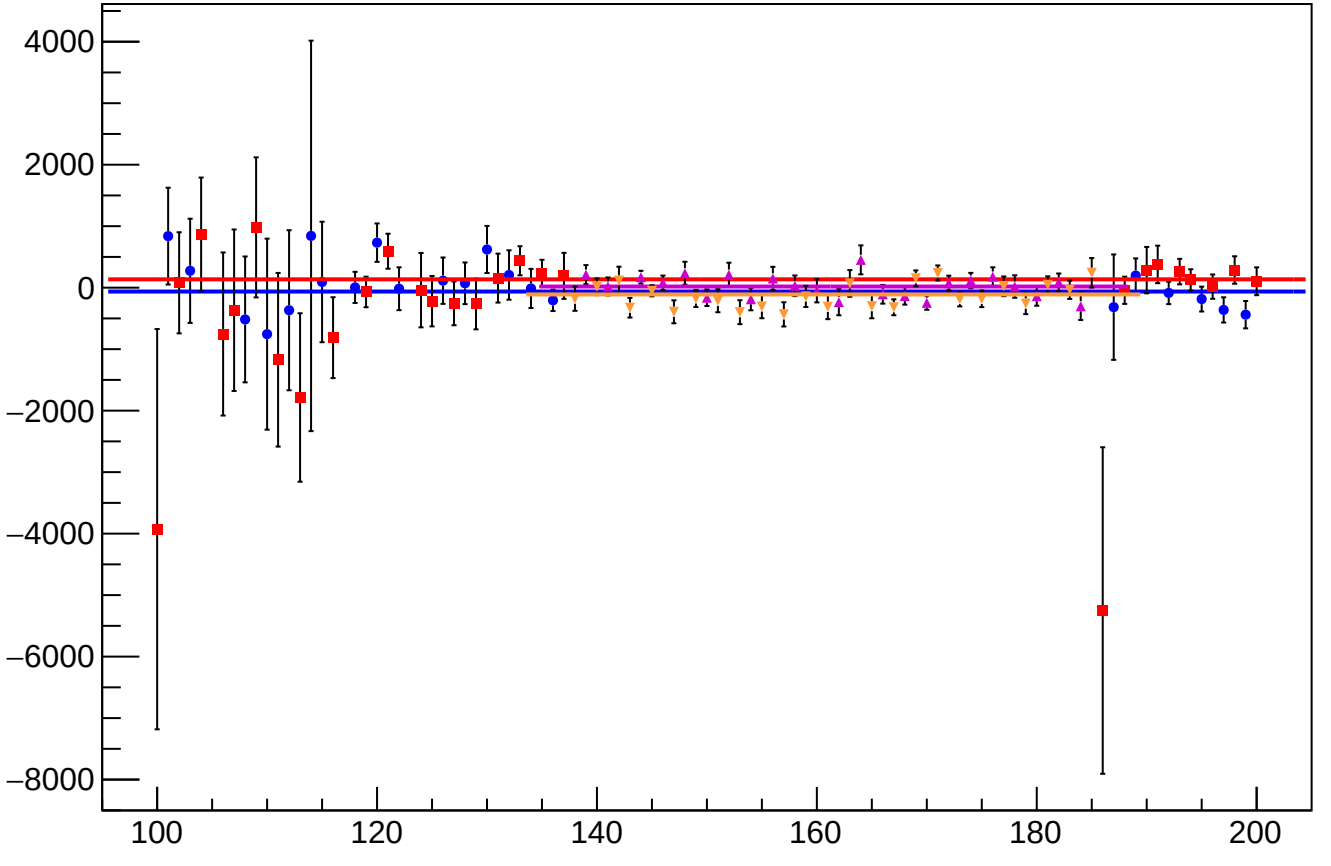
Right: 66.688+/-0.010 χ^2/NDF: 3727773.1/49

In: 47.187+/-0.006 χ^2/NDF:4115330.4/44

Out: 47.620+/-0.006 χ^2/NDF:5739986.7/52

All: 47.411+/-0.004 χ^2/NDF: 9857702.2/97

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -62.937+/-66.715 χ^2/NDF: 19.6/21

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

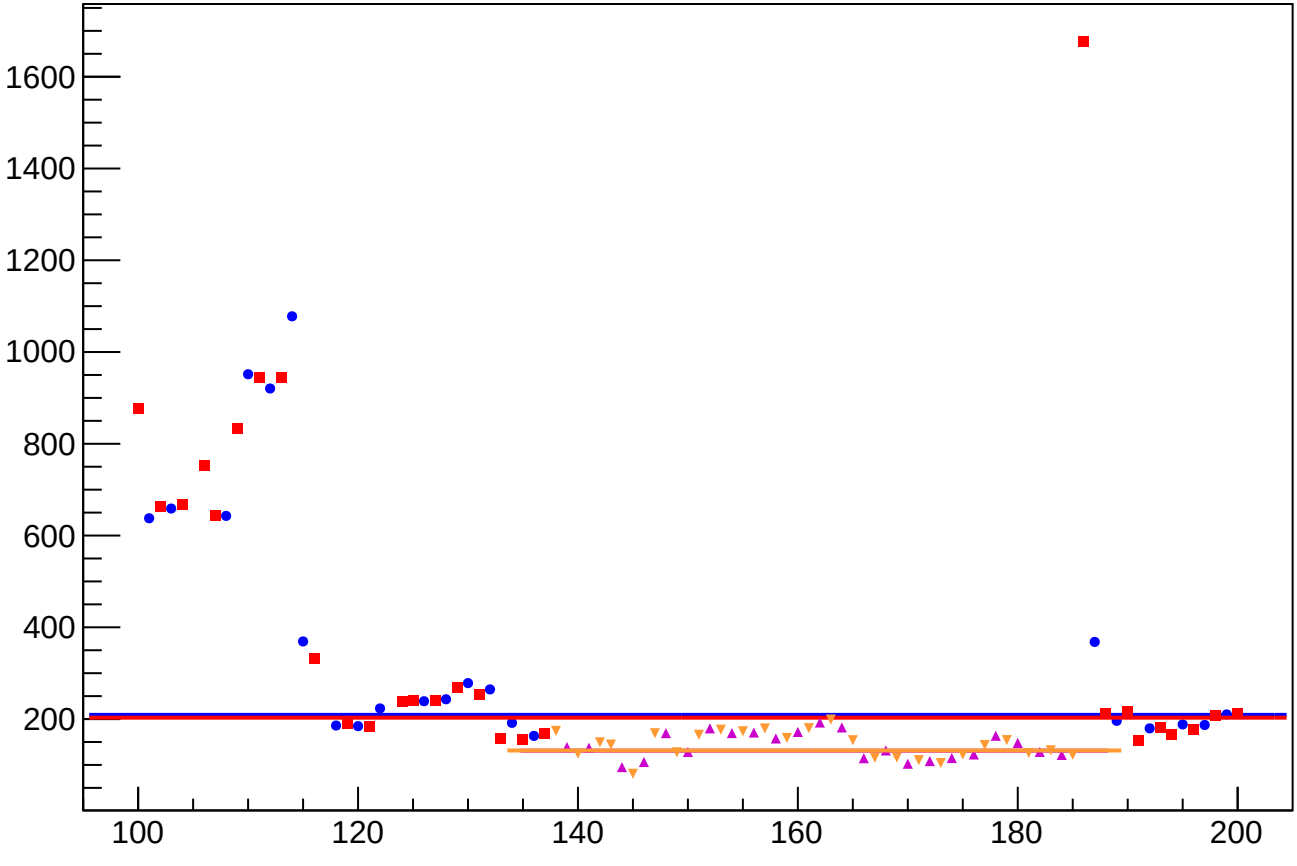
Right: 45.808+/-44.868 χ^2/NDF: 47.6/49

In: 3.949+/-28.467 χ^2/NDF:48.1/44

Out: -59.618+/-27.430 χ^2/NDF:72.4/52

All: -29.013+/-19.753 χ^2/NDF: 123.1/97

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.134+/-0.047 χ^2/NDF: 3256182.2/21

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

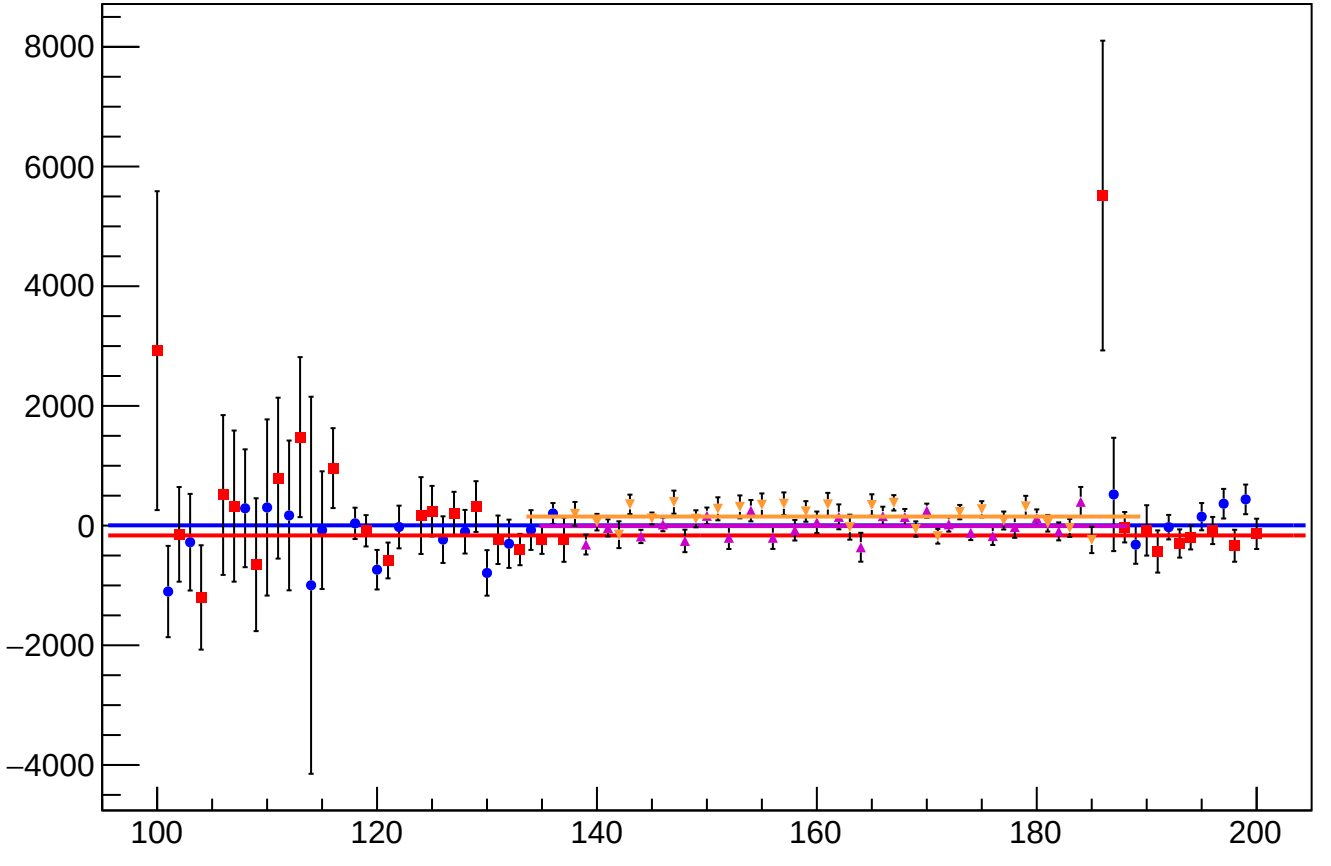
Right: 205.794+/-0.032 χ^2/NDF: 8023132.3/49

In: 145.287+/-0.020 χ^2/NDF:6963522.8/44

Out: 146.156+/-0.019 χ^2/NDF:8874243.7/52

All: 145.737+/-0.014 χ^2/NDF: 15838733.4/97

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 4.327+/-71.820 χ^2/NDF: 21.2/21

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

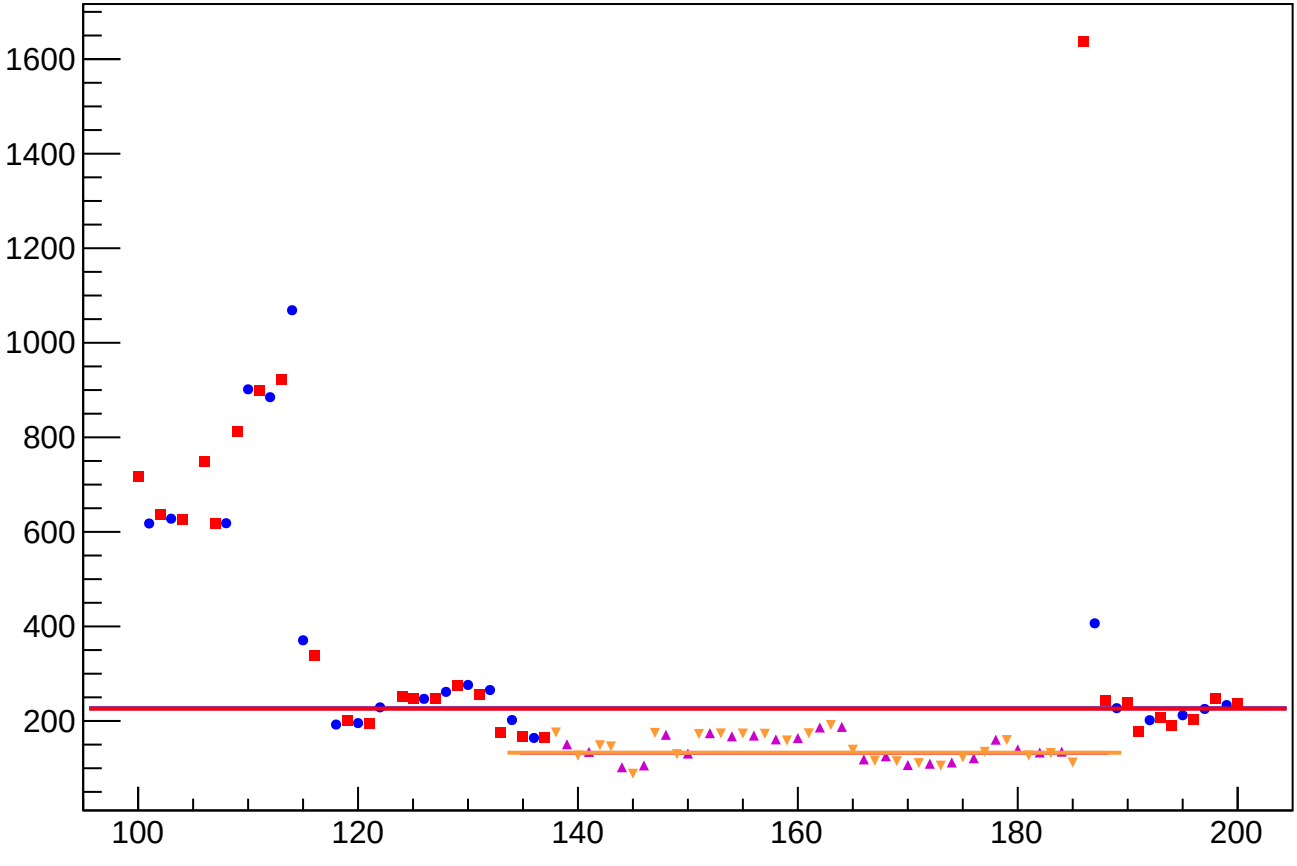
Right: -85.925+/-48.953 χ^2/NDF: 45.5/49

In: -5.949+/-28.940 χ^2/NDF:50.7/44

Out: 95.511+/-28.091 χ^2/NDF:72.7/52

All: 46.291+/-20.157 χ^2/NDF: 129.8/97

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 226.700+/-0.051 χ^2/NDF: 3003578.6/21

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

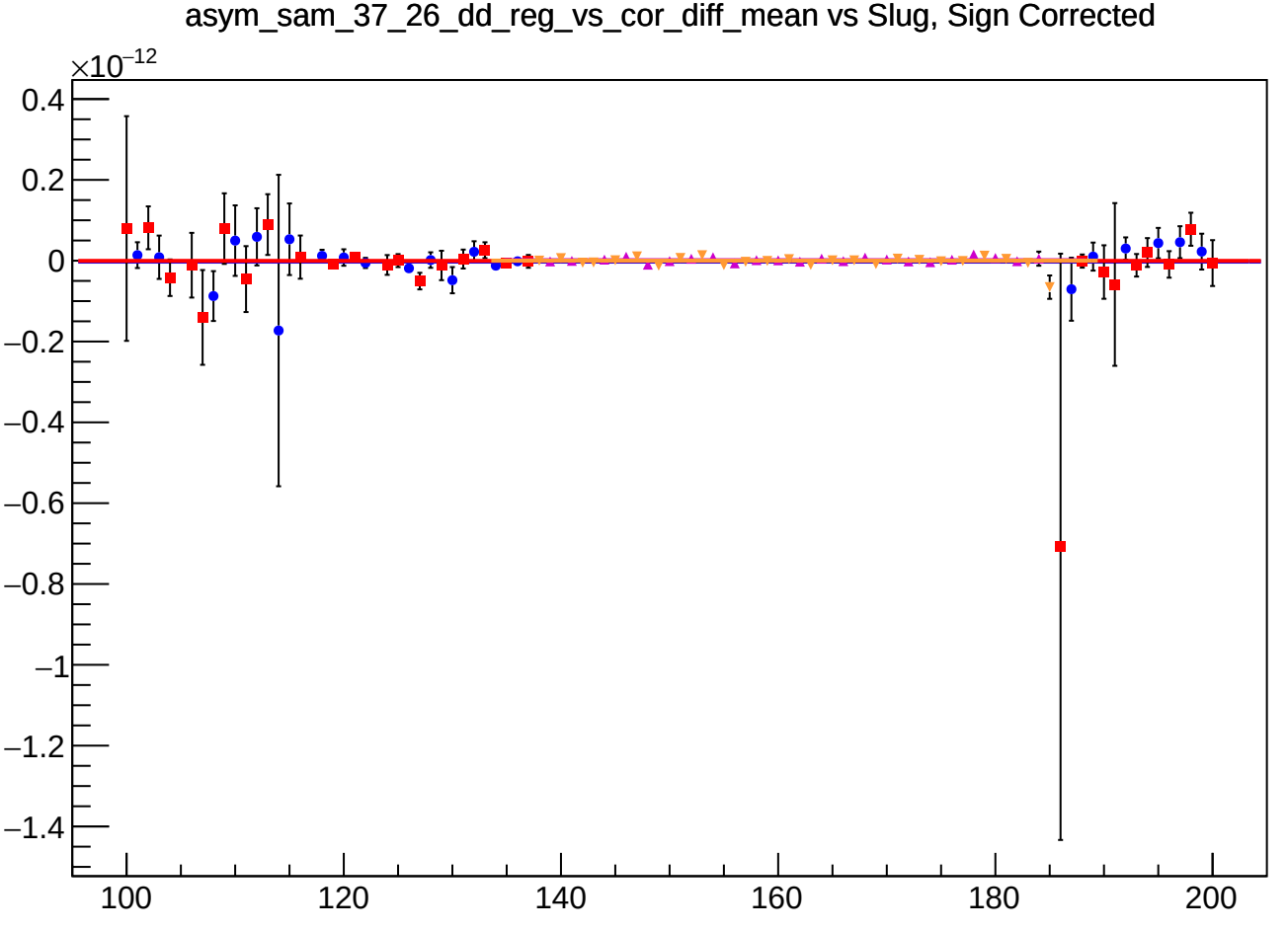
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 226.406+/-0.035 χ^2/NDF: 7304355.2/49

In: 147.663+/-0.020 χ^2/NDF:7173020.0/44

Out: 149.321+/-0.020 χ^2/NDF:9095387.5/52

All: 148.517+/-0.014 χ^2/NDF: 16271787.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

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

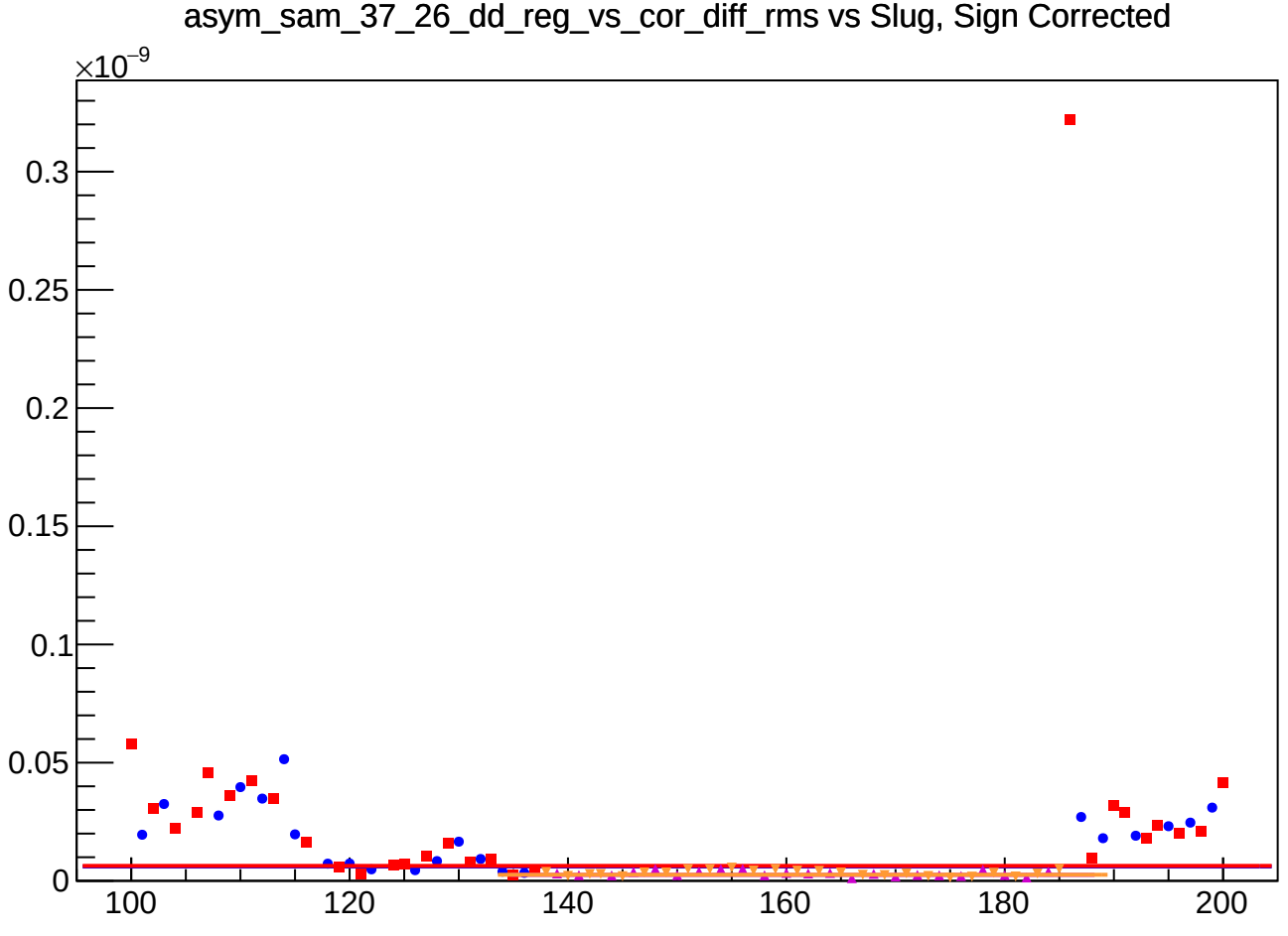
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/49

In: 0.000+/-0.000 χ^2/NDF:33.1/44

Out: 0.000+/-0.000 χ^2/NDF:55.8/52

All: 0.000+/-0.000 χ^2/NDF: 89.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 5057013.6/21

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

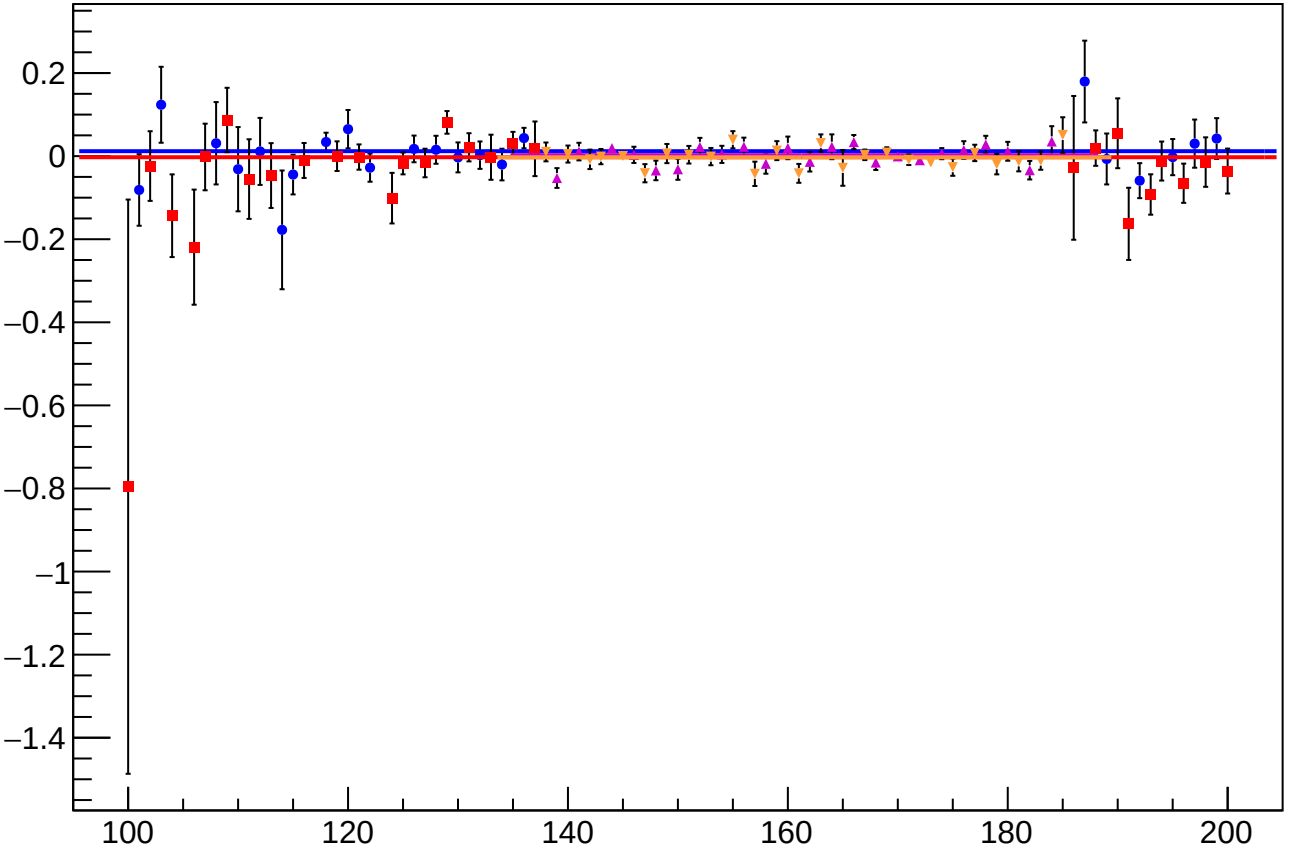
Right: 0.000+/-0.000 χ^2/NDF: 11473678.7/49

In: 0.000+/-0.000 χ^2/NDF:8391994.2/44

Out: 0.000+/-0.000 χ^2/NDF:10479505.2/52

All: 0.000+/-0.000 χ^2/NDF: 18872387.8/97

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

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

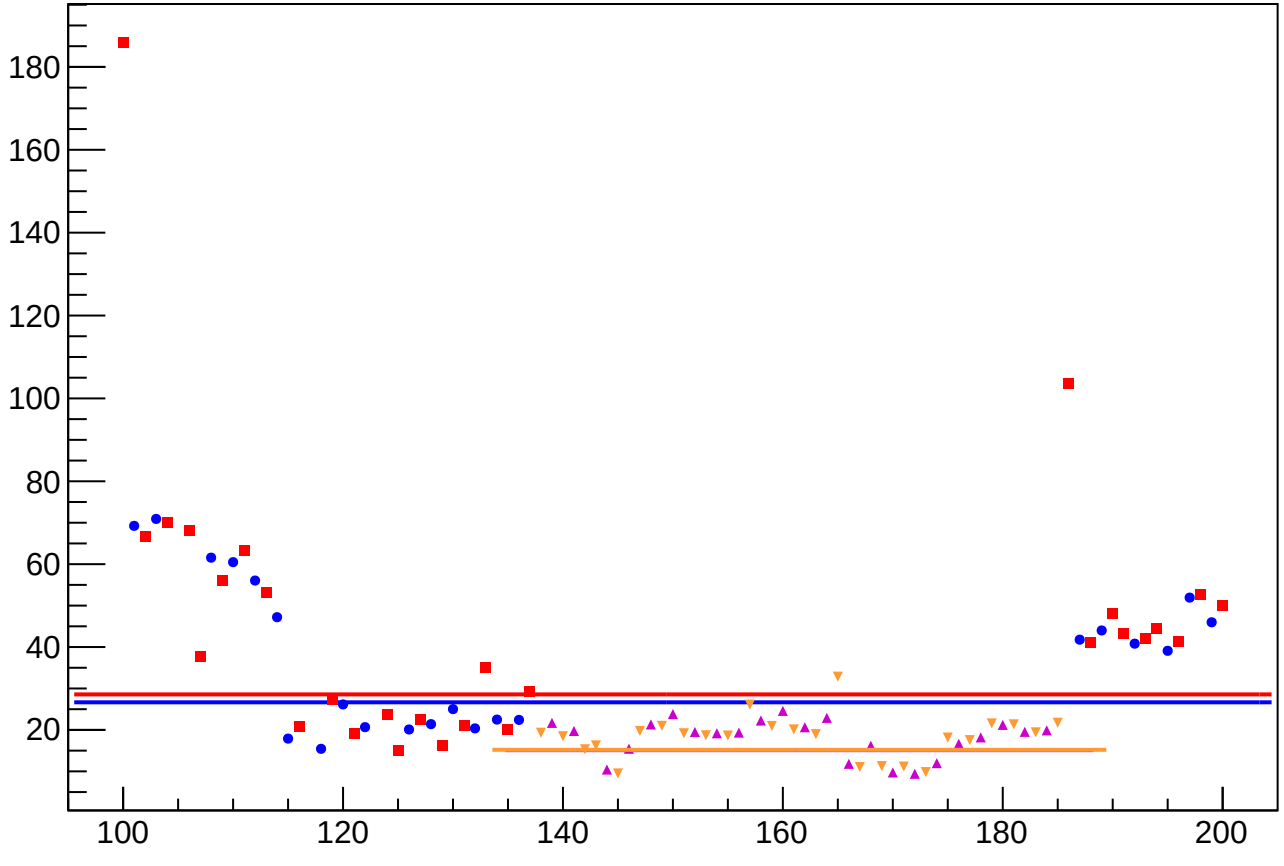
Right: 0.005+/-0.006 χ^2/NDF: 52.1/49

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 103.1/97

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

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

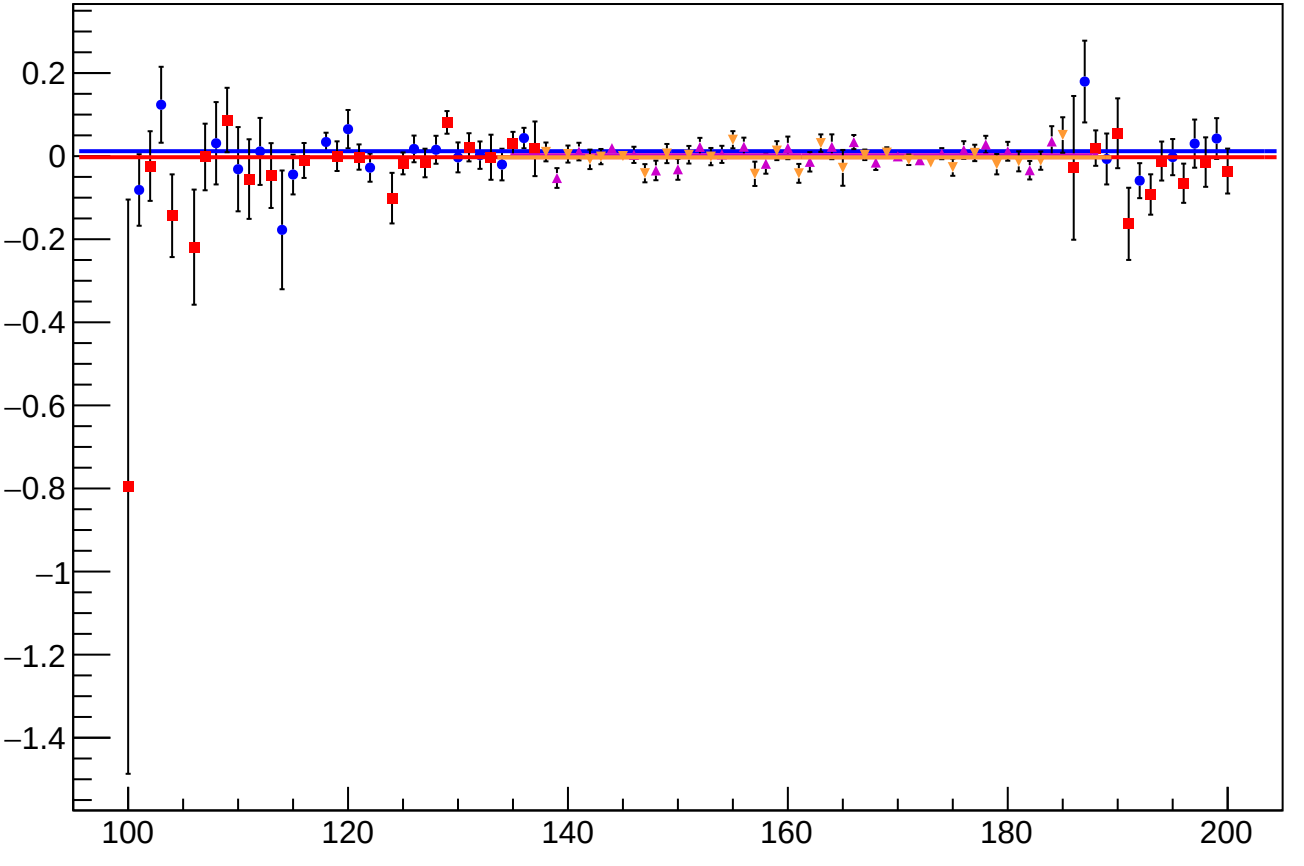
Right: 27.624+/-0.004 χ^2/NDF: 9221210.5/49

In: 16.900+/-0.002 χ^2/NDF:10164256.3/44

Out: 17.183+/-0.002 χ^2/NDF:12529861.7/52

All: 17.046+/-0.002 χ^2/NDF: 22700777.6/97

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

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

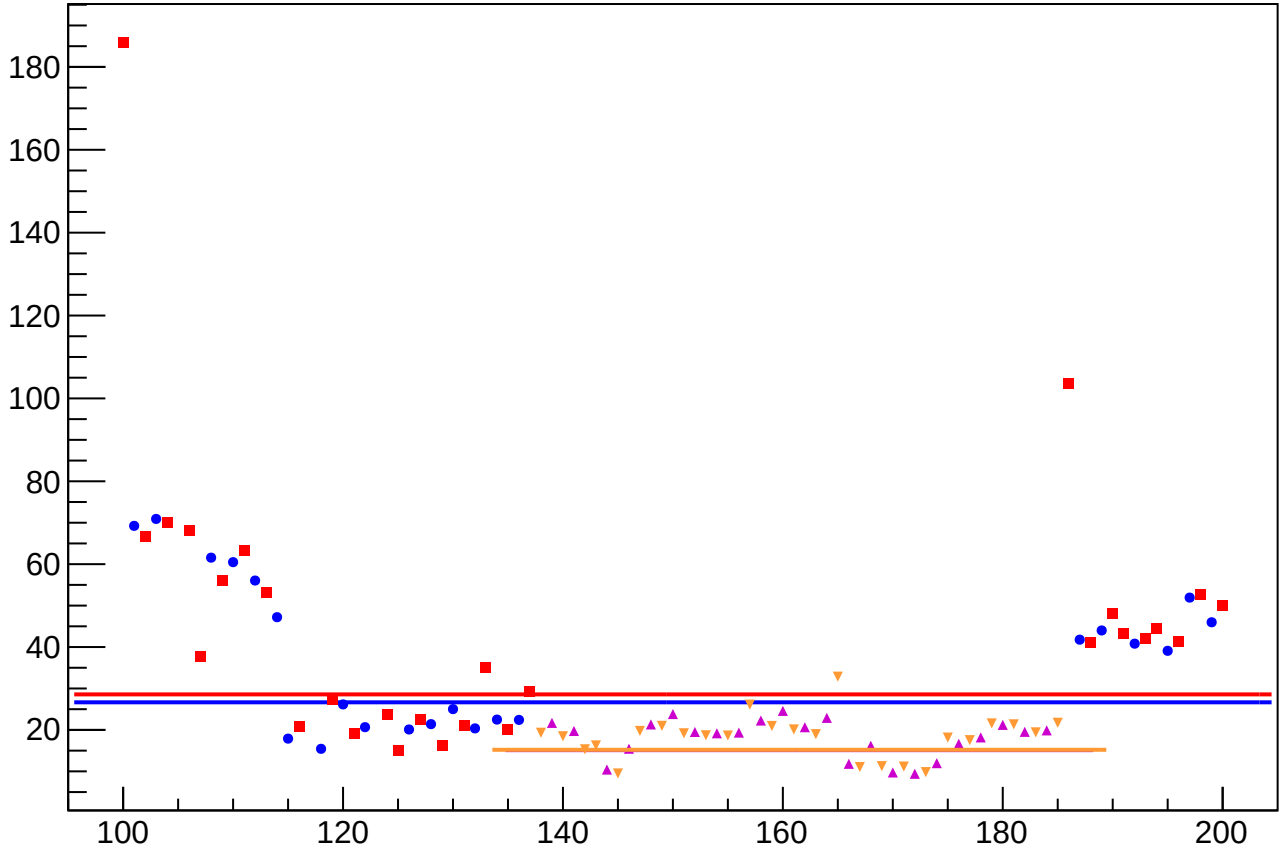
Right: 0.005+/-0.006 χ^2/NDF: 52.1/49

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 103.1/97

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

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

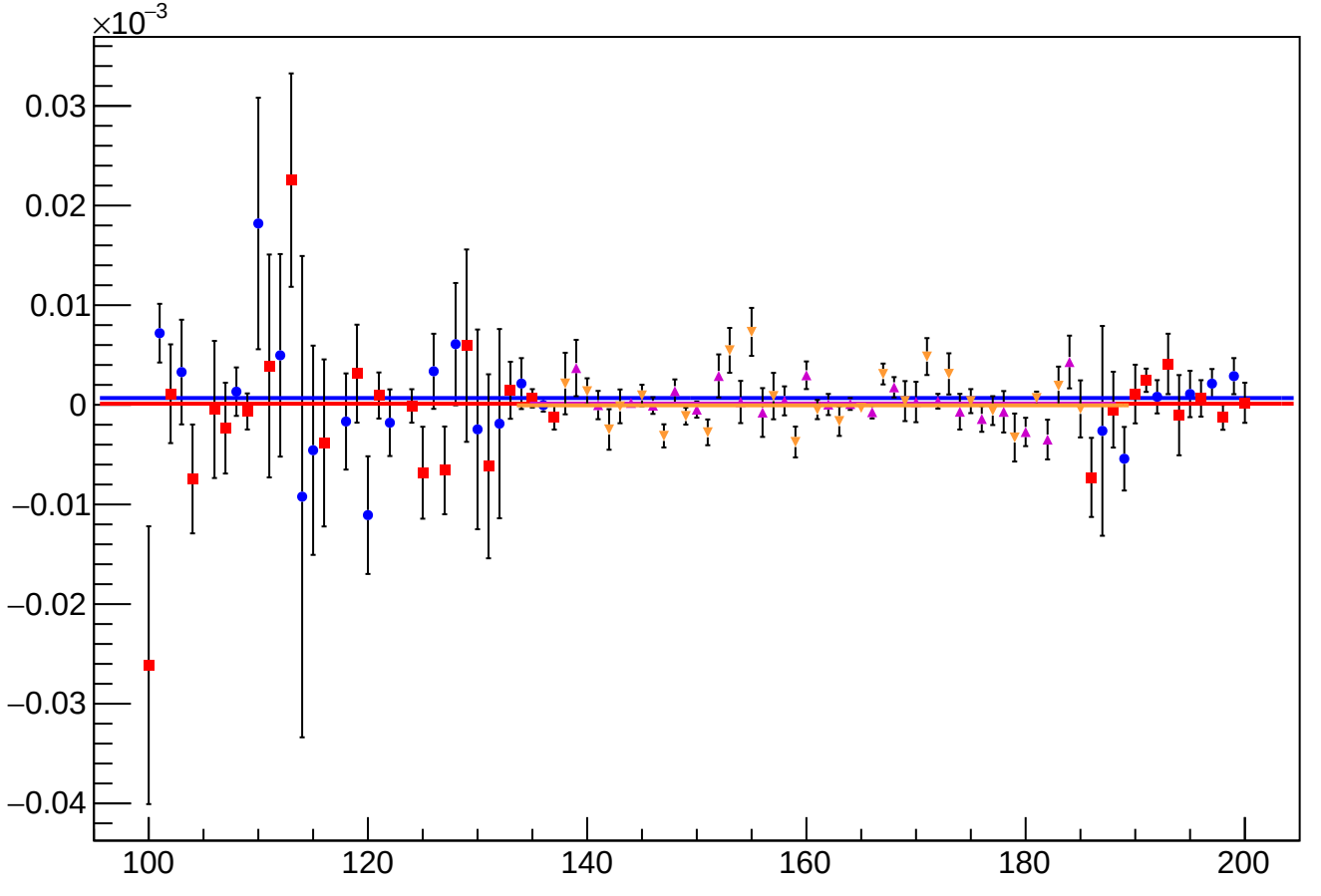
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.624+/-0.004 χ^2/NDF: 9221210.5/49

In: 16.900+/-0.002 χ^2/NDF:10164256.3/44

Out: 17.183+/-0.002 χ^2/NDF:12529861.7/52

All: 17.046+/-0.002 χ^2/NDF: 22700777.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/21

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

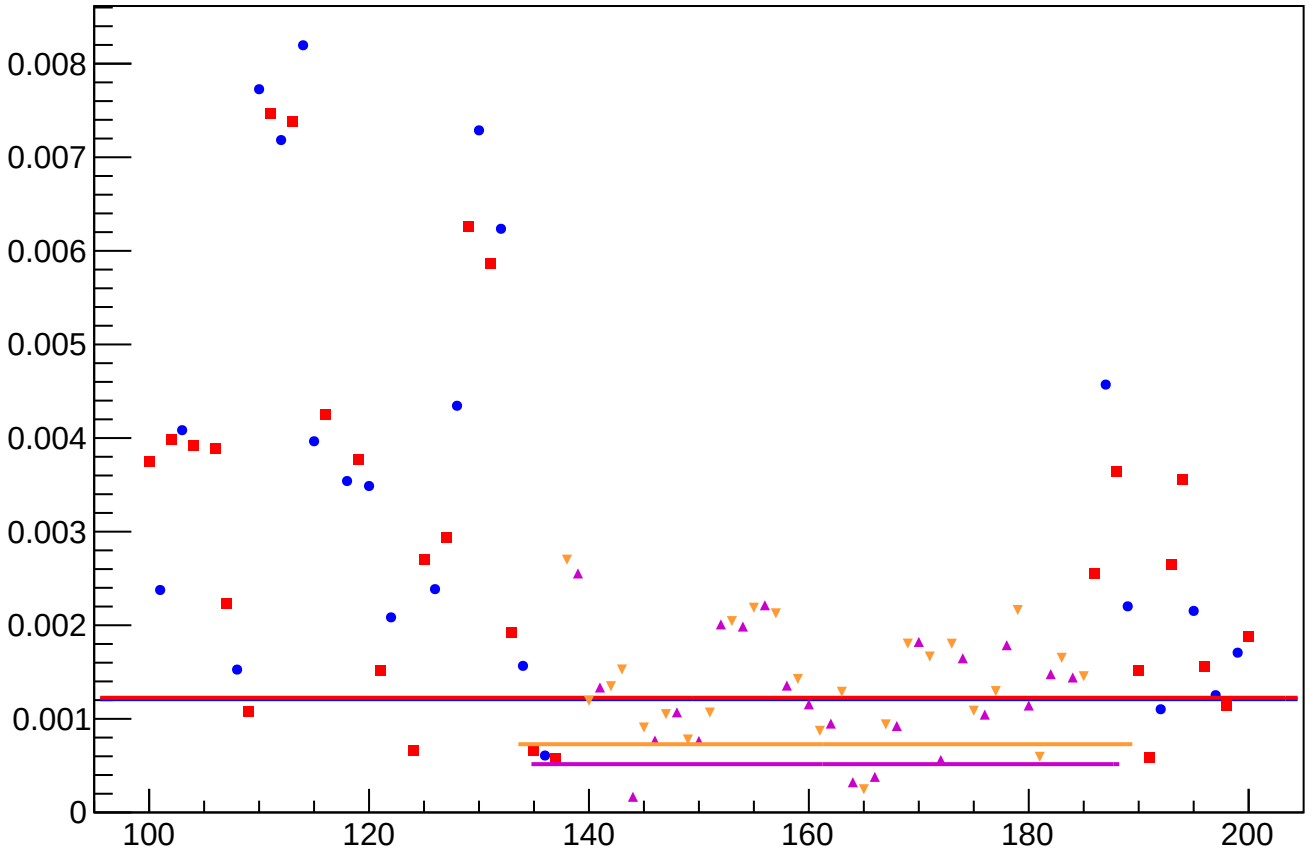
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 51.5/49

In: 0.000+/-0.000 χ^2/NDF:48.4/44

Out: -0.000+/-0.000 χ^2/NDF:91.9/52

All: 0.000+/-0.000 χ^2/NDF: 141.0/97



Right In: 0.001+/-0.000 χ^2/NDF: 8050228.7/21

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

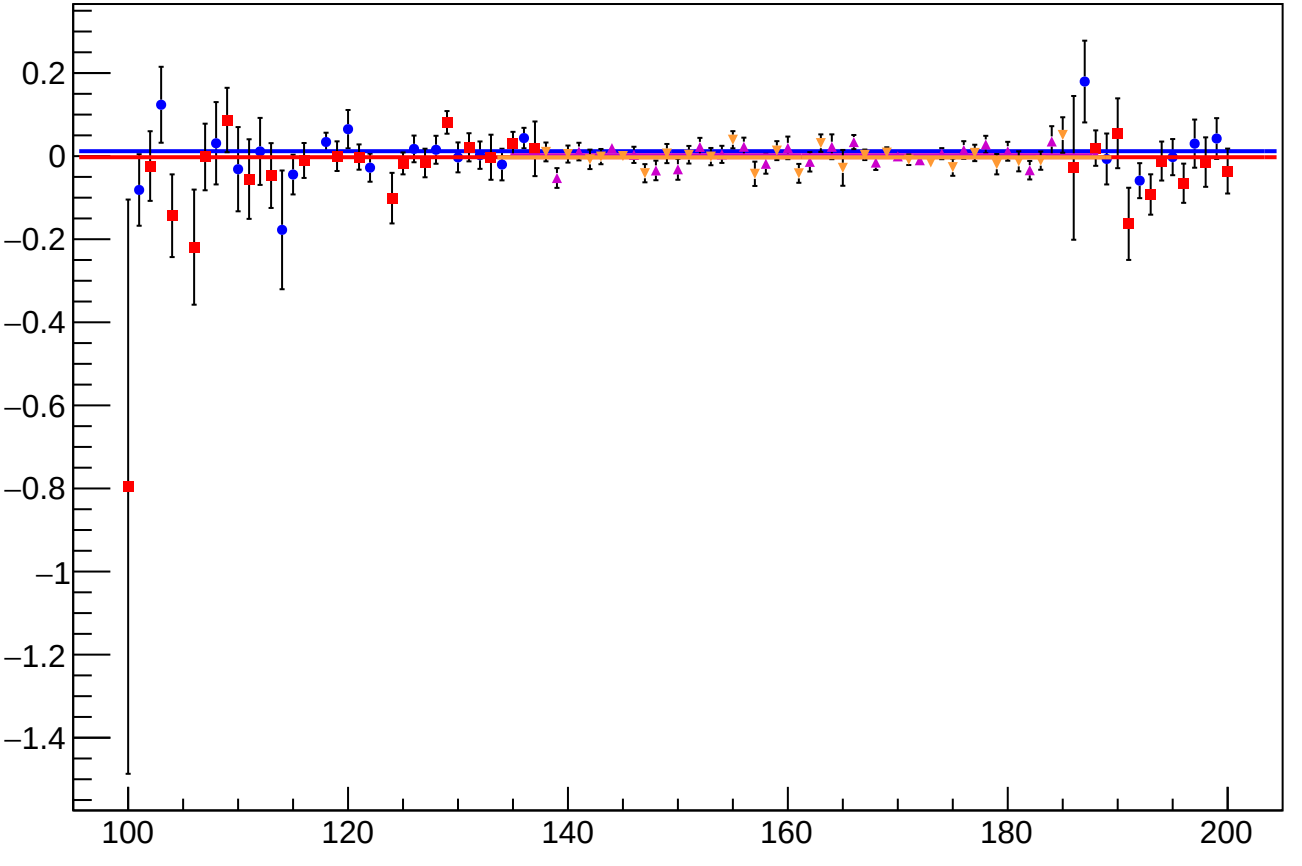
Right: 0.001+/-0.000 χ^2/NDF: 17958873.2/49

In: 0.001+/-0.000 χ^2/NDF:26962232.4/44

Out: 0.001+/-0.000 χ^2/NDF:25193304.9/52

All: 0.001+/-0.000 χ^2/NDF: 53741165.1/97

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

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

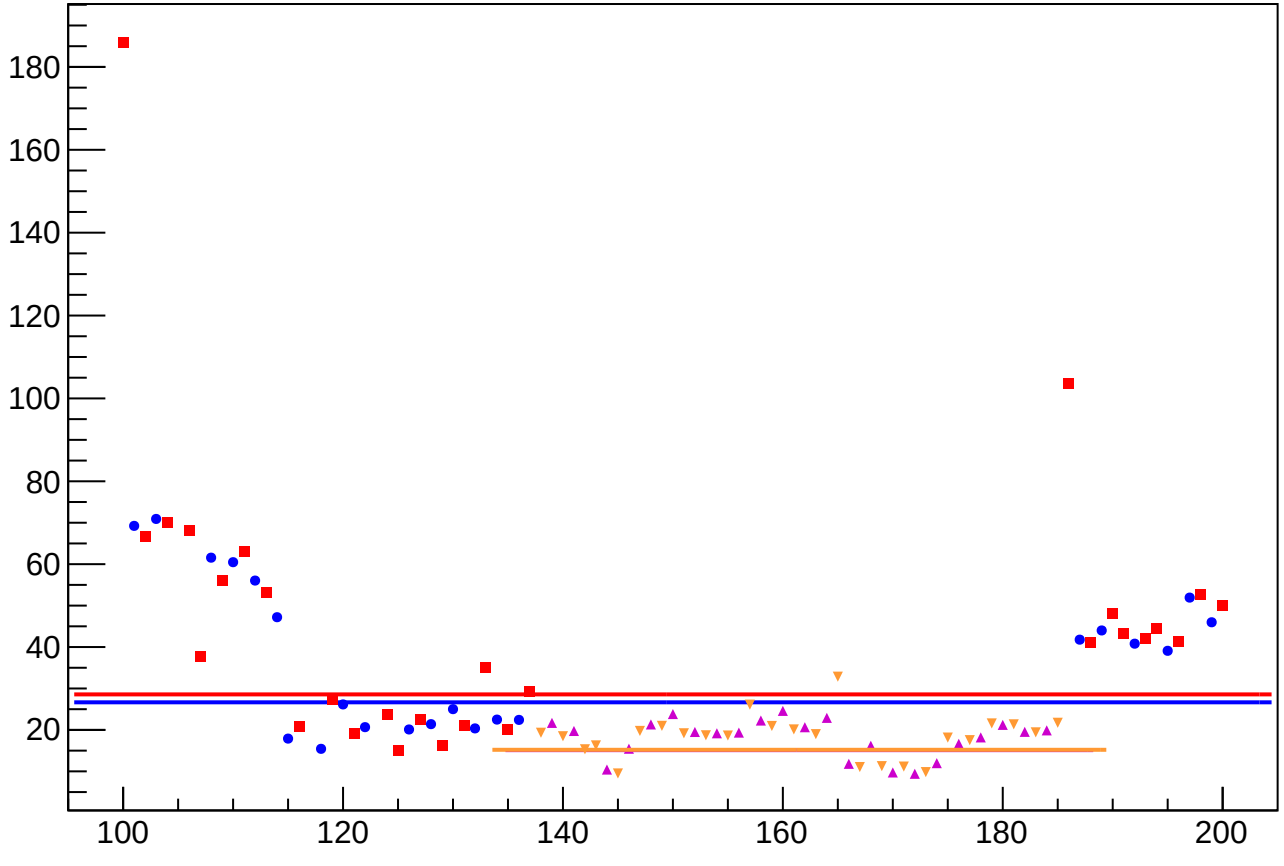
Right: 0.005+/-0.006 χ^2/NDF: 52.1/49

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 103.1/97

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

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

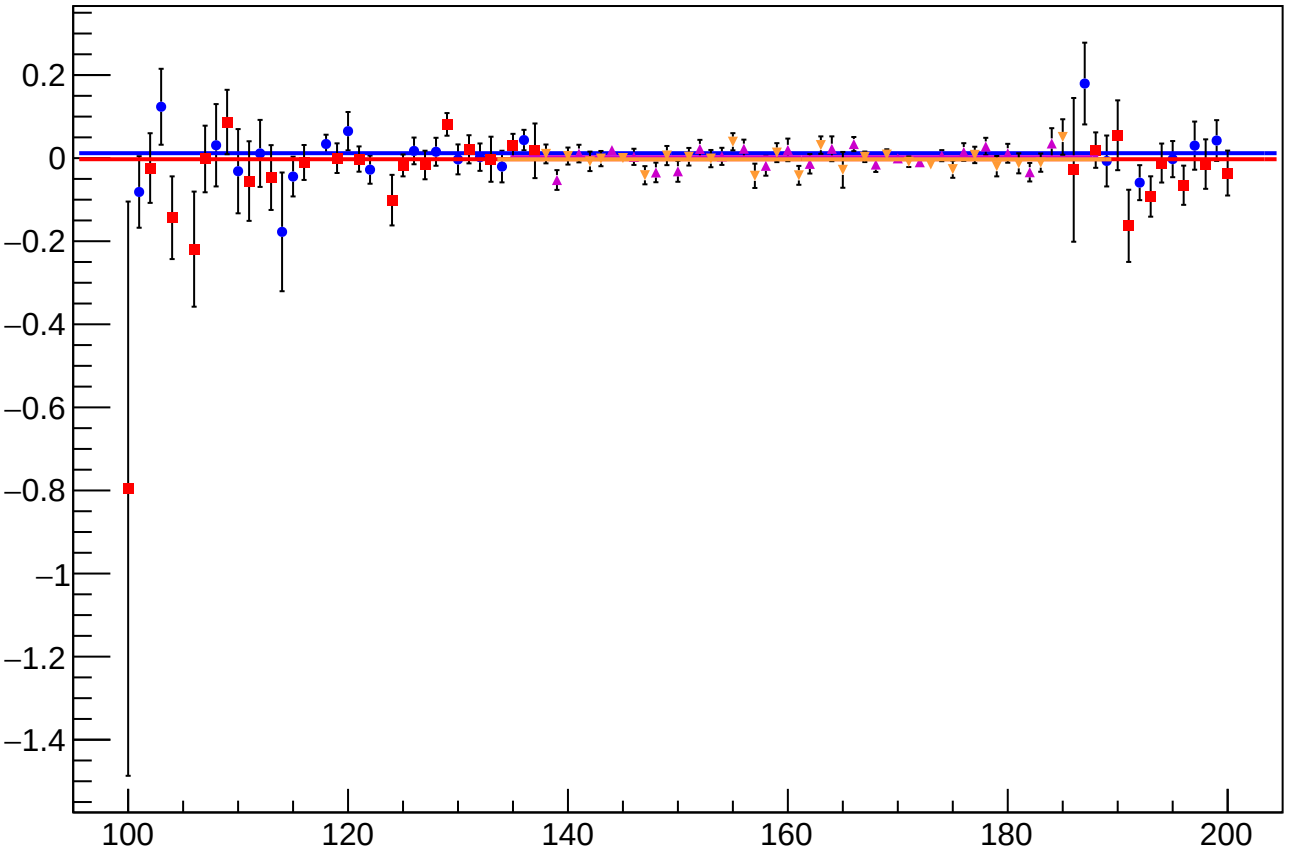
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.623+/-0.004 χ^2/NDF: 9221809.3/49

In: 16.900+/-0.002 χ^2/NDF:10164098.2/44

Out: 17.183+/-0.002 χ^2/NDF:12529926.3/52

All: 17.046+/-0.002 χ^2/NDF: 22700684.2/97



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

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

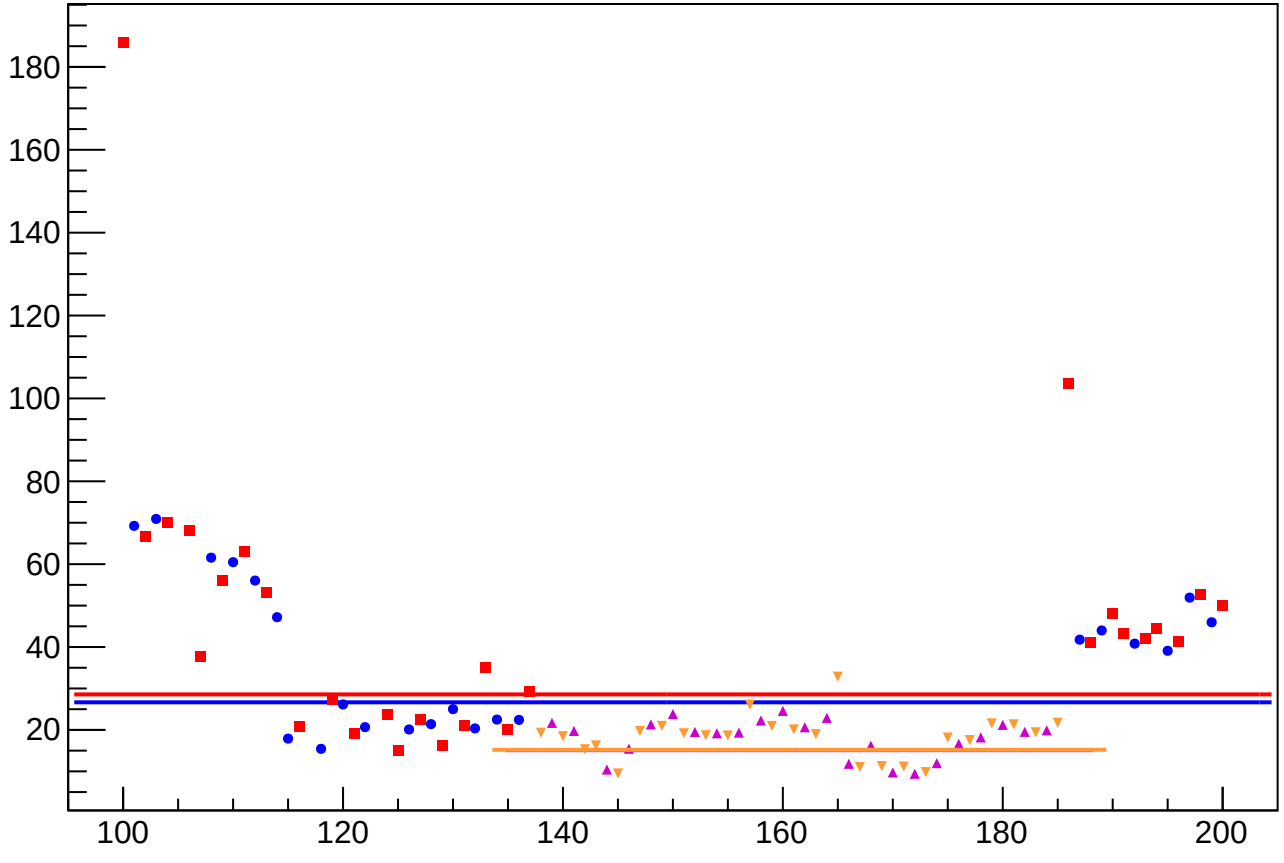
Right: 0.005+/-0.006 χ^2/NDF: 52.1/49

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.7/52

All: 0.000+/-0.002 χ^2/NDF: 103.1/97

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

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

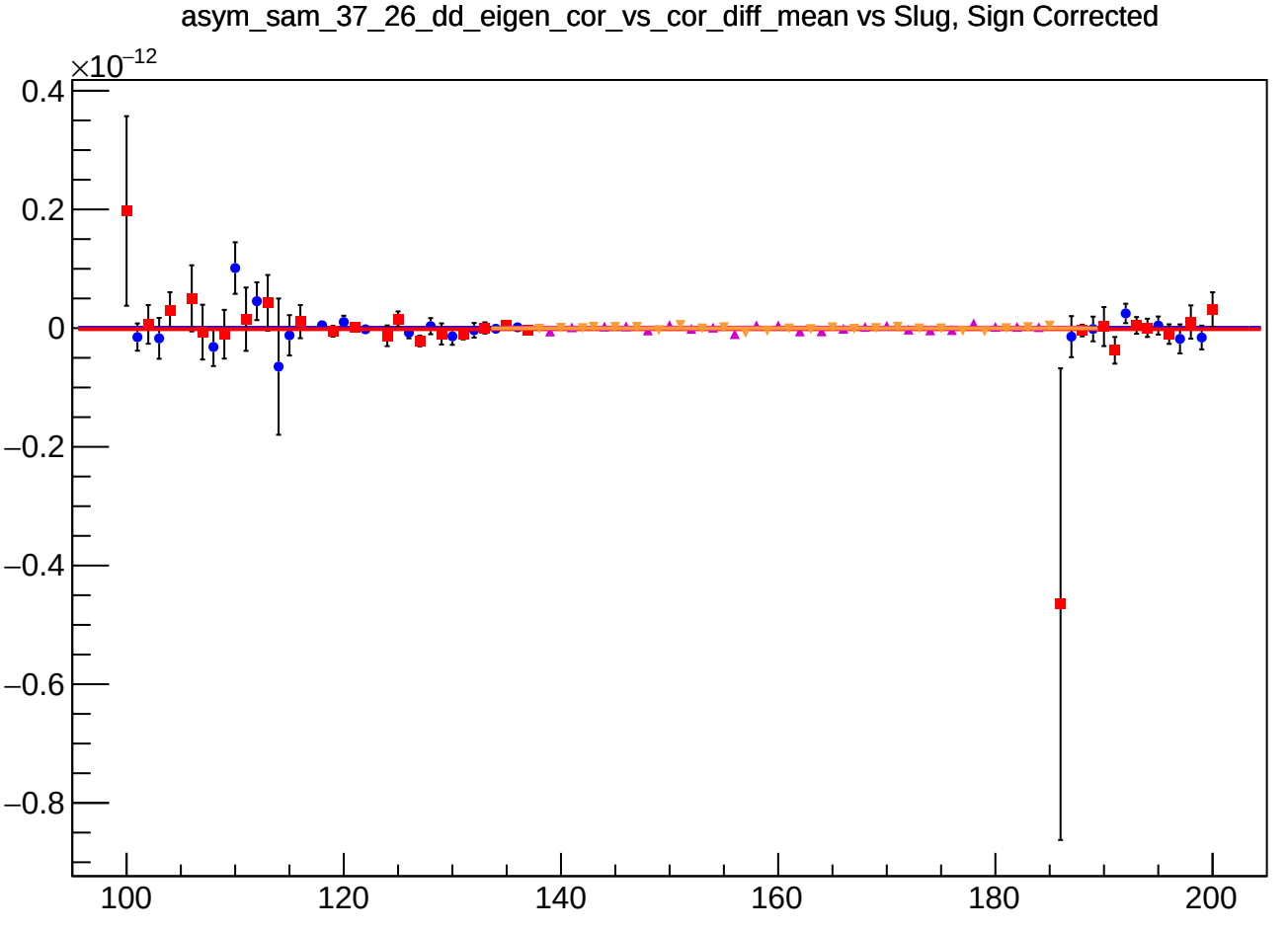
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.623+/-0.004 χ^2/NDF: 9221809.3/49

In: 16.900+/-0.002 χ^2/NDF:10164098.2/44

Out: 17.183+/-0.002 χ^2/NDF:12529926.3/52

All: 17.046+/-0.002 χ^2/NDF: 22700684.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

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

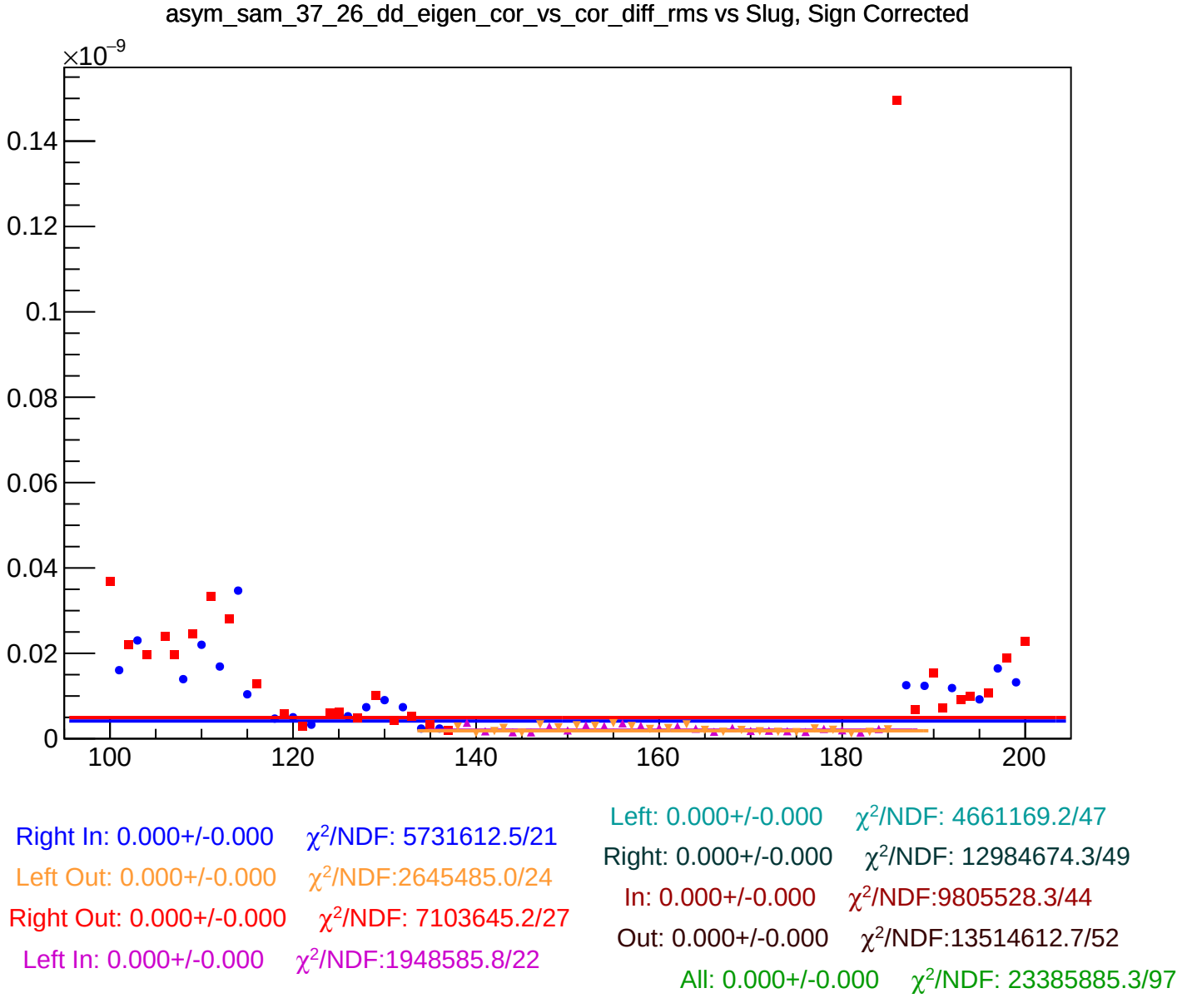
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

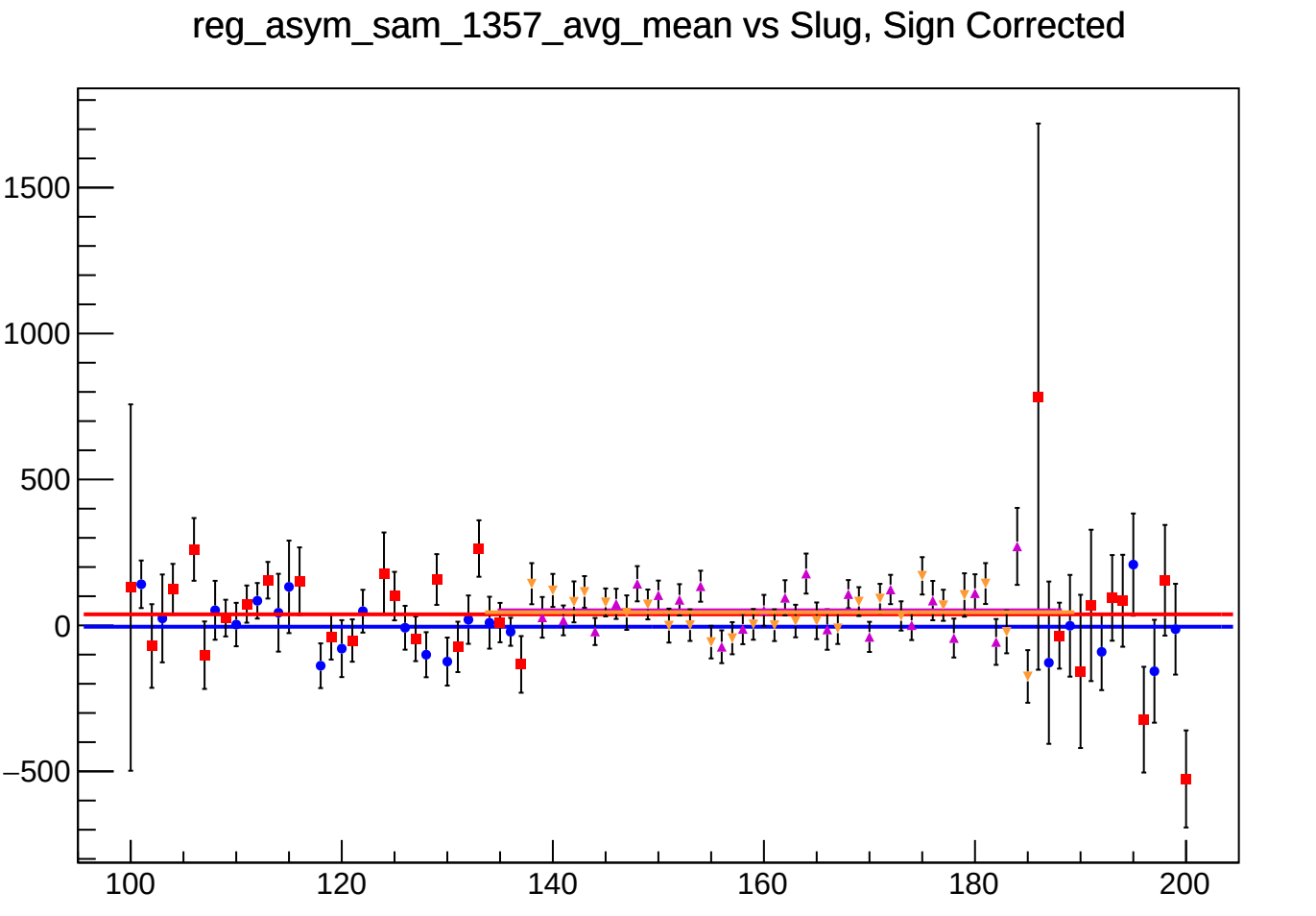
Right: -0.000+/-0.000 χ^2/NDF: 38.6/49

In: 0.000+/-0.000 χ^2/NDF:56.2/44

Out: -0.000+/-0.000 χ^2/NDF:43.3/52

All: 0.000+/-0.000 χ^2/NDF: 101.6/97


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5731612.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7103645.2/27
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 12984674.3/49
In: 0.000+/-0.000 χ²/NDF:9805528.3/44
Out: 0.000+/-0.000 χ²/NDF:13514612.7/52
All: 0.000+/-0.000 χ²/NDF: 23385885.3/97



Right In: -4.534+/-19.204 χ^2/NDF: 17.5/21

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

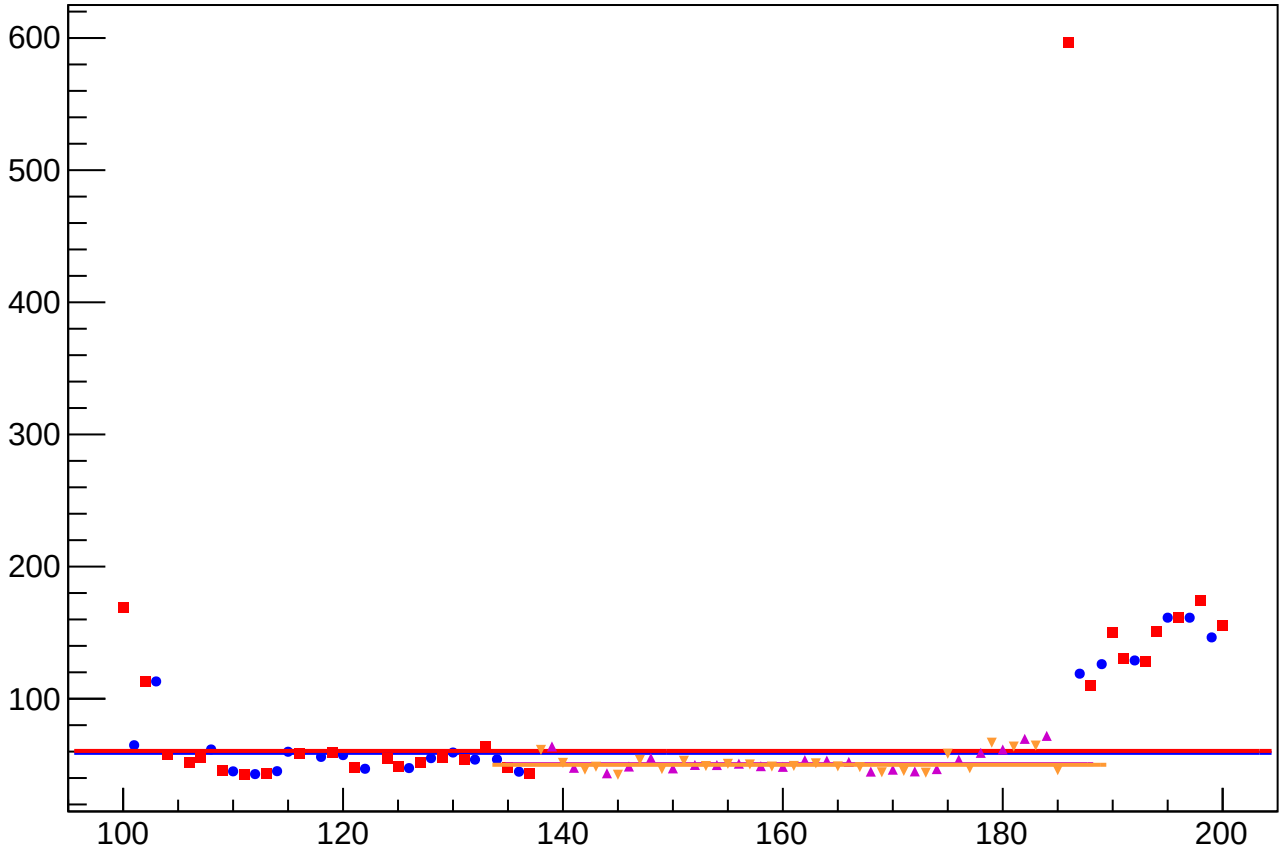
Right: 17.356+/-13.364 χ^2/NDF: 67.4/49

In: 35.983+/-10.133 χ^2/NDF:59.5/44

Out: 43.110+/-9.779 χ^2/NDF:78.9/52

All: 39.673+/-7.037 χ^2/NDF: 138.6/97

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 59.044+/-0.014 χ^2/NDF: 3748768.8/21

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

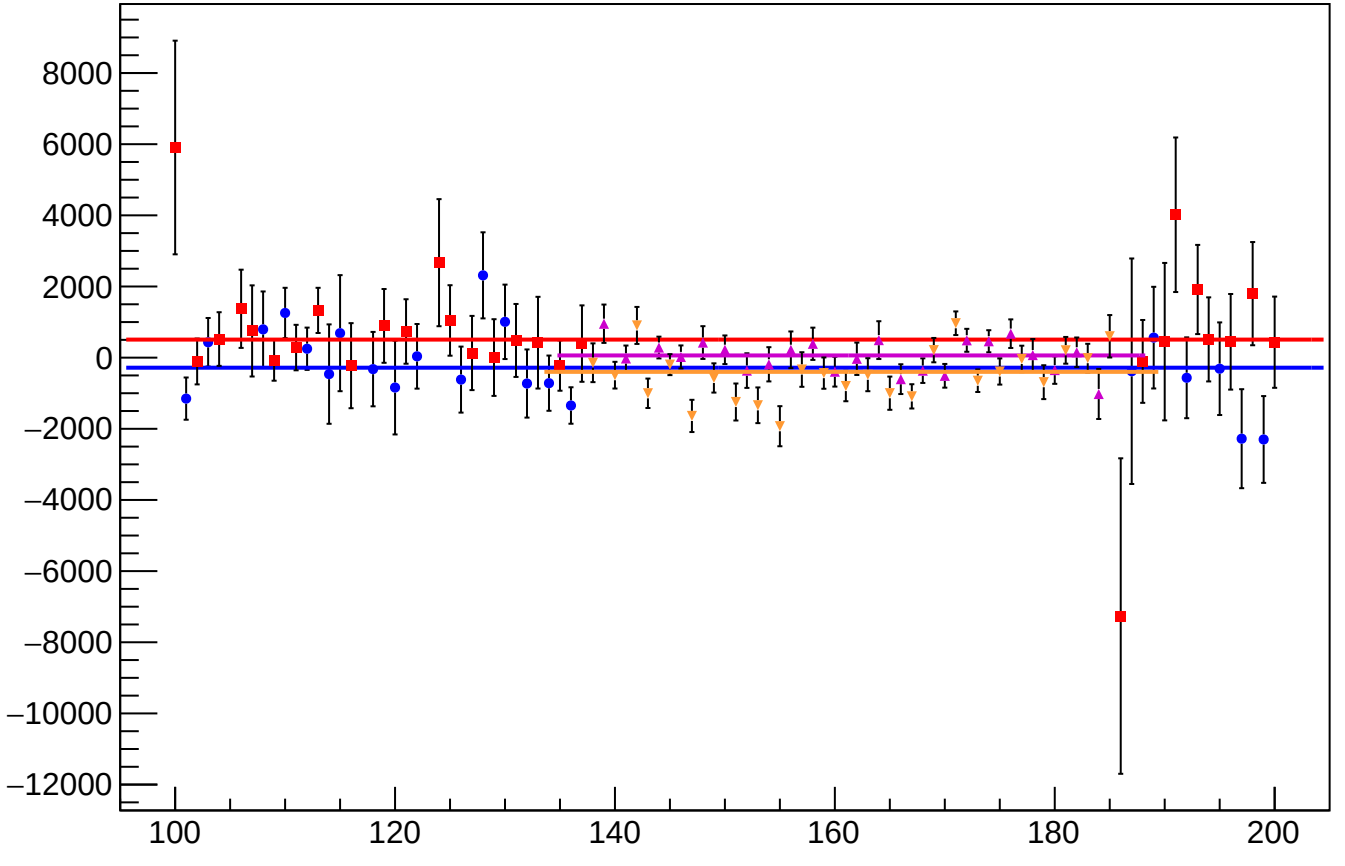
Right: 59.801+/-0.009 χ^2/NDF: 9300014.8/49

In: 52.887+/-0.007 χ^2/NDF:4537015.9/44

Out: 52.918+/-0.007 χ^2/NDF:6514346.5/52

All: 52.903+/-0.005 χ^2/NDF: 11051371.9/97

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -282.571+/-193.341 χ^2/NDF: 26.8/21

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

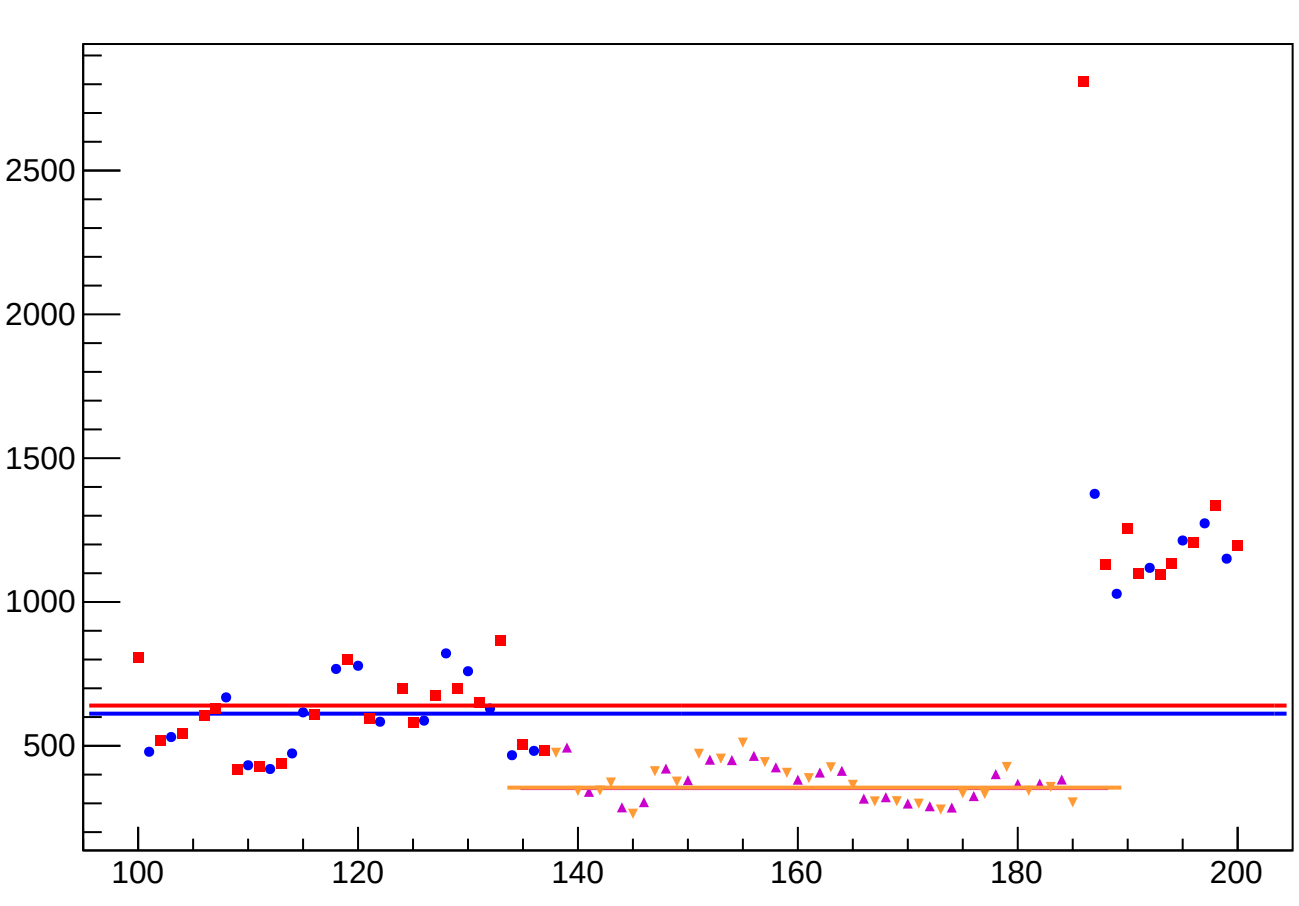
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 123.140+/-134.846 χ^2/NDF: 54.7/49

In: 7.437+/-76.960 χ^2/NDF:53.4/44

Out: -254.452+/-75.221 χ^2/NDF:104.3/52

All: -126.499+/-53.794 χ^2/NDF: 163.6/97



Right In: 611.848+/-0.137 χ^2/NDF: 2823320.1/21

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

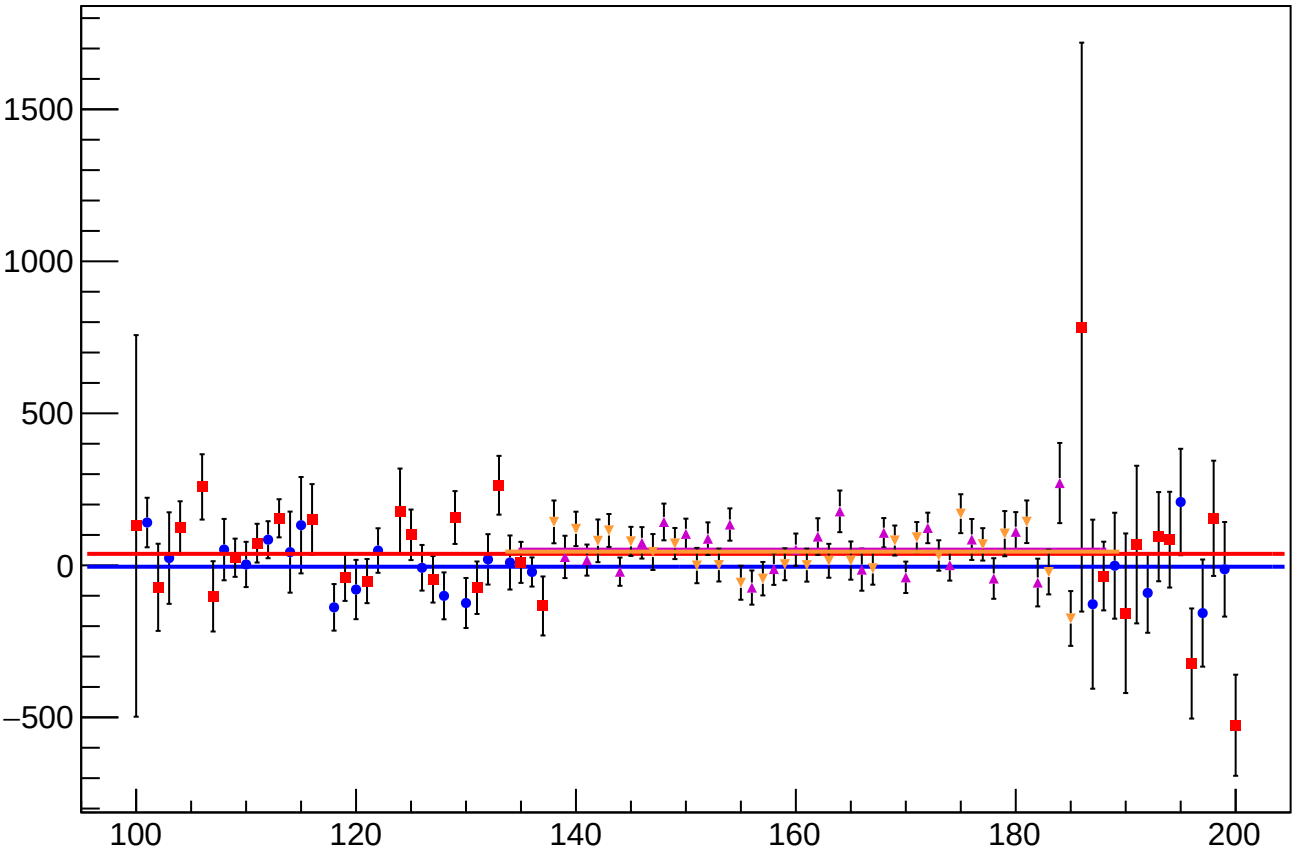
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 626.291+/-0.095 χ^2/NDF: 6825143.2/49

In: 394.106+/-0.054 χ^2/NDF:6841726.7/44

Out: 400.264+/-0.053 χ^2/NDF:8988680.1/52

All: 397.255+/-0.038 χ^2/NDF: 15836955.5/97



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

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

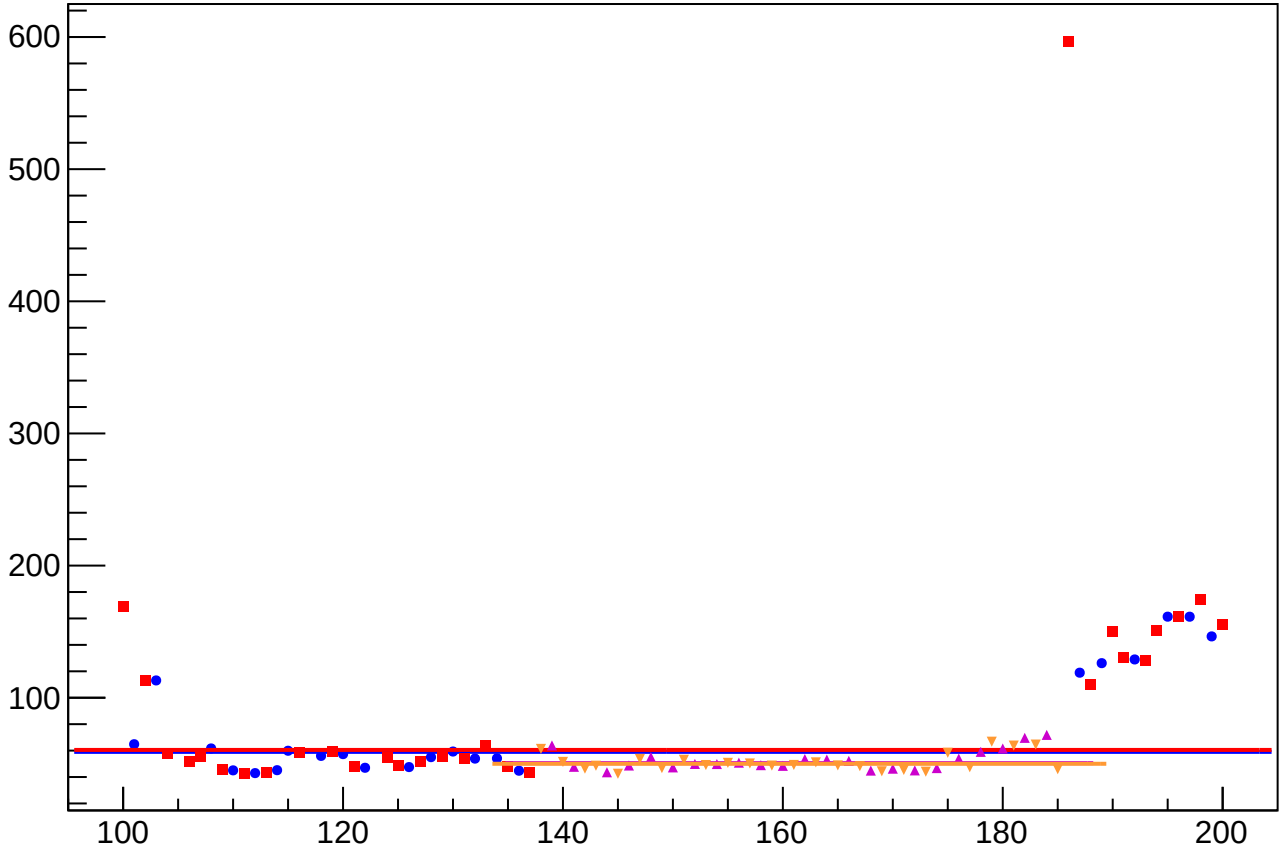
Right: 17.299+/-13.364 χ^2/NDF: 67.3/49

In: 35.982+/-10.133 χ^2/NDF:59.5/44

Out: 43.083+/-9.779 χ^2/NDF:78.8/52

All: 39.658+/-7.037 χ^2/NDF: 138.5/97

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

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

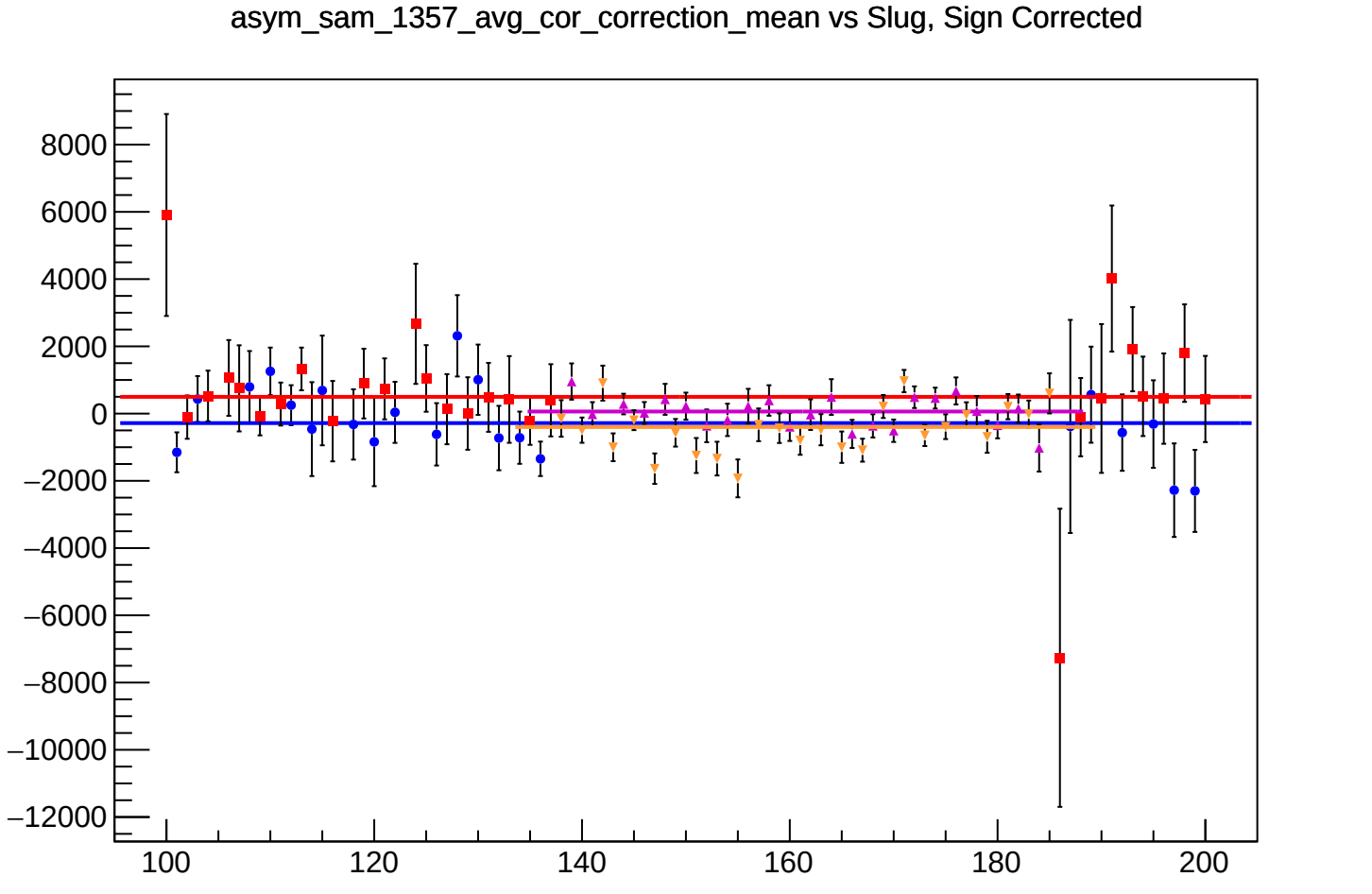
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 59.796+/-0.009 χ^2/NDF: 9301102.1/49

In: 52.887+/-0.007 χ^2/NDF:4537018.2/44

Out: 52.916+/-0.007 χ^2/NDF:6514712.7/52

All: 52.902+/-0.005 χ^2/NDF: 11051738.9/97



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

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

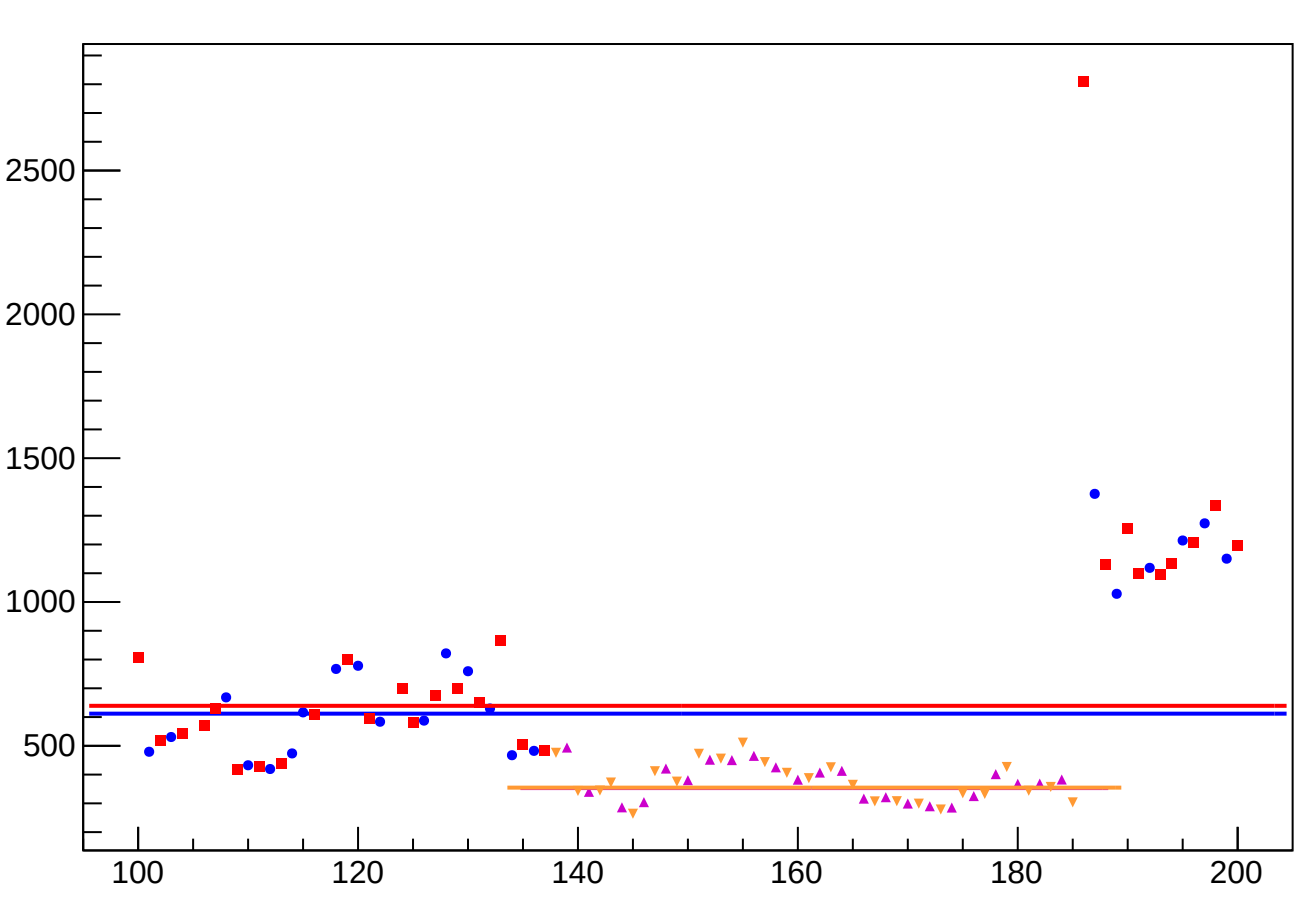
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 117.914+/-134.902 χ^2/NDF: 54.1/49

In: 7.440+/-76.960 χ^2/NDF:53.4/44

Out: -256.174+/-75.231 χ^2/NDF:103.5/52

All: -127.362+/-53.797 χ^2/NDF: 162.8/97



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

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

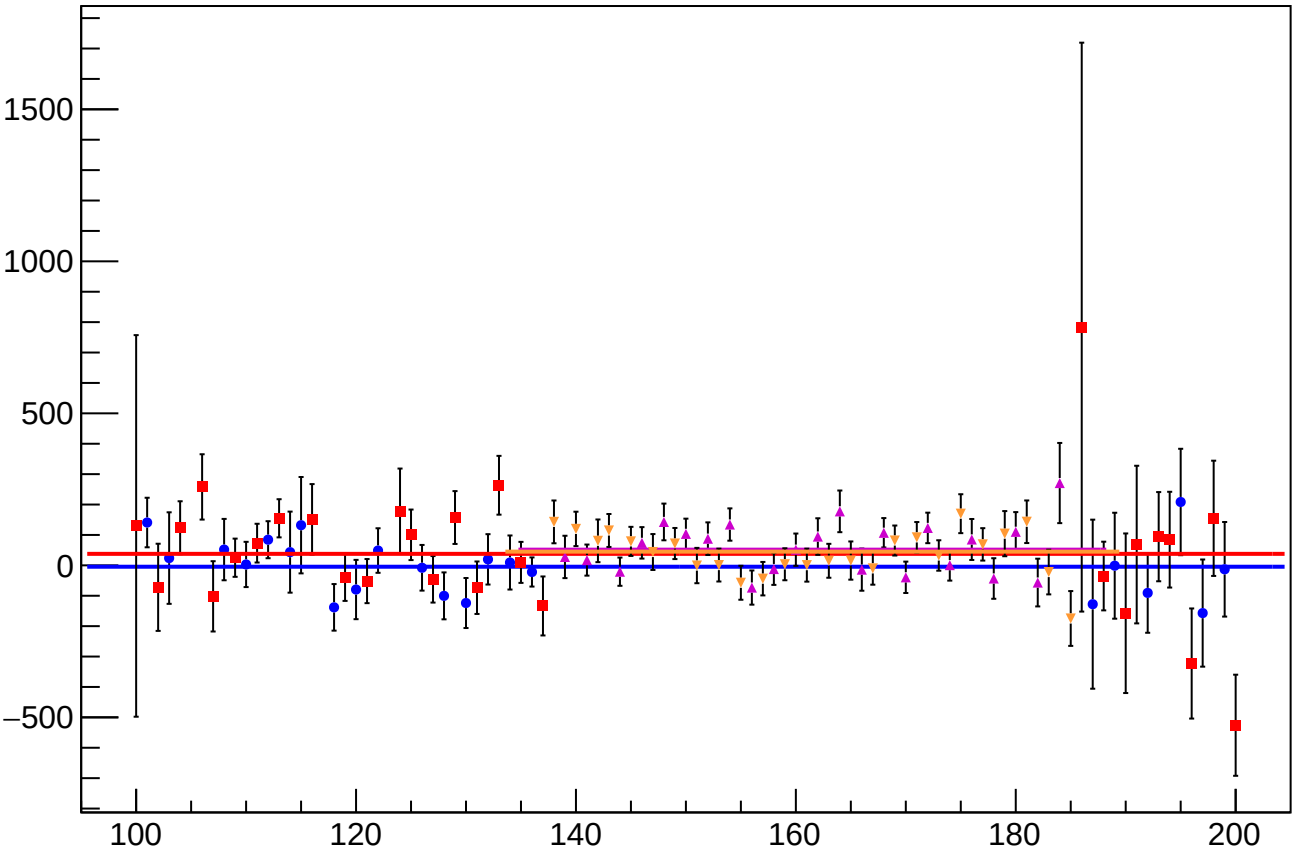
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 625.832+/-0.095 χ^2/NDF: 6828650.0/49

In: 394.106+/-0.054 χ^2/NDF:6841775.5/44

Out: 400.061+/-0.053 χ^2/NDF:8964629.1/52

All: 397.151+/-0.038 χ^2/NDF: 15812528.9/97



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

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

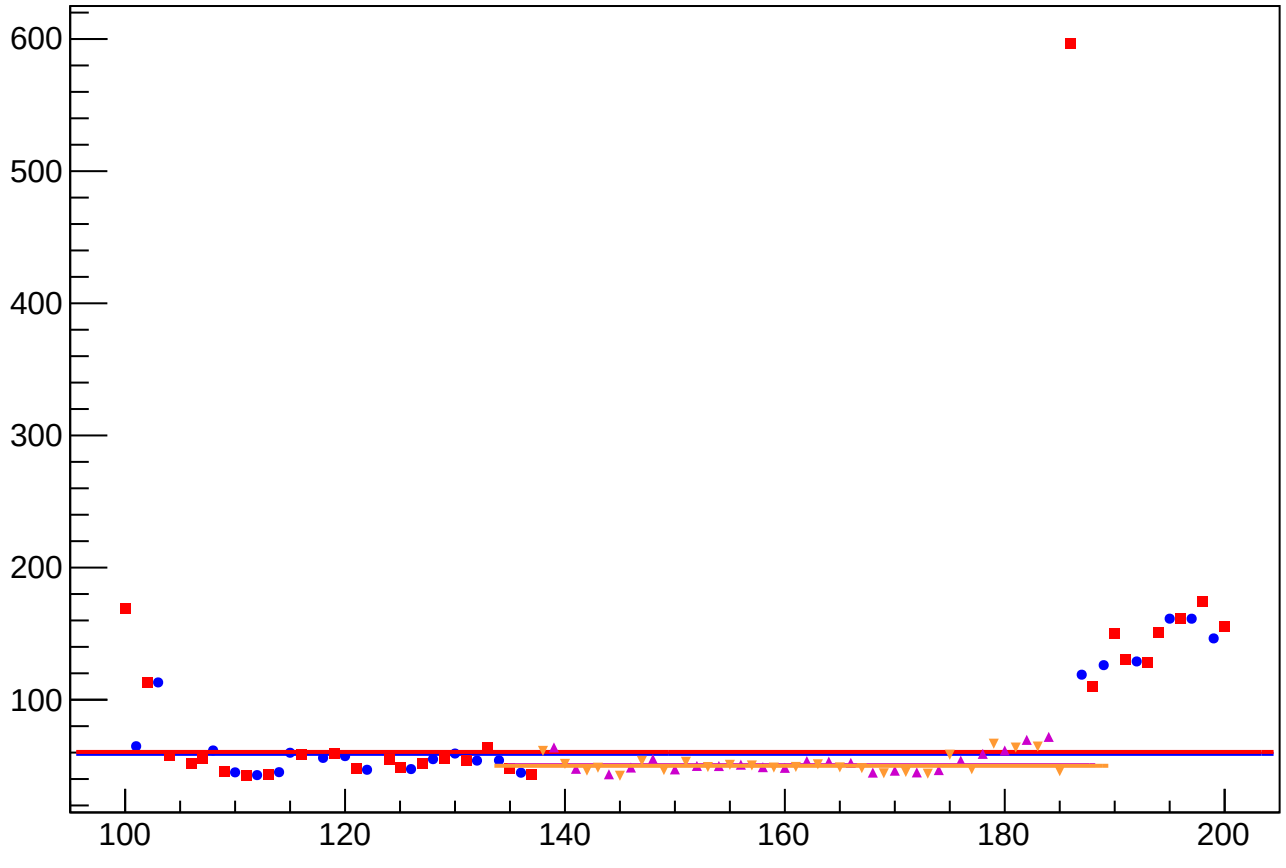
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 17.299+/-13.364 χ^2/NDF: 67.3/49

In: 35.982+/-10.133 χ^2/NDF:59.5/44

Out: 43.083+/-9.779 χ^2/NDF:78.8/52

All: 39.658+/-7.037 χ^2/NDF: 138.5/97



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

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

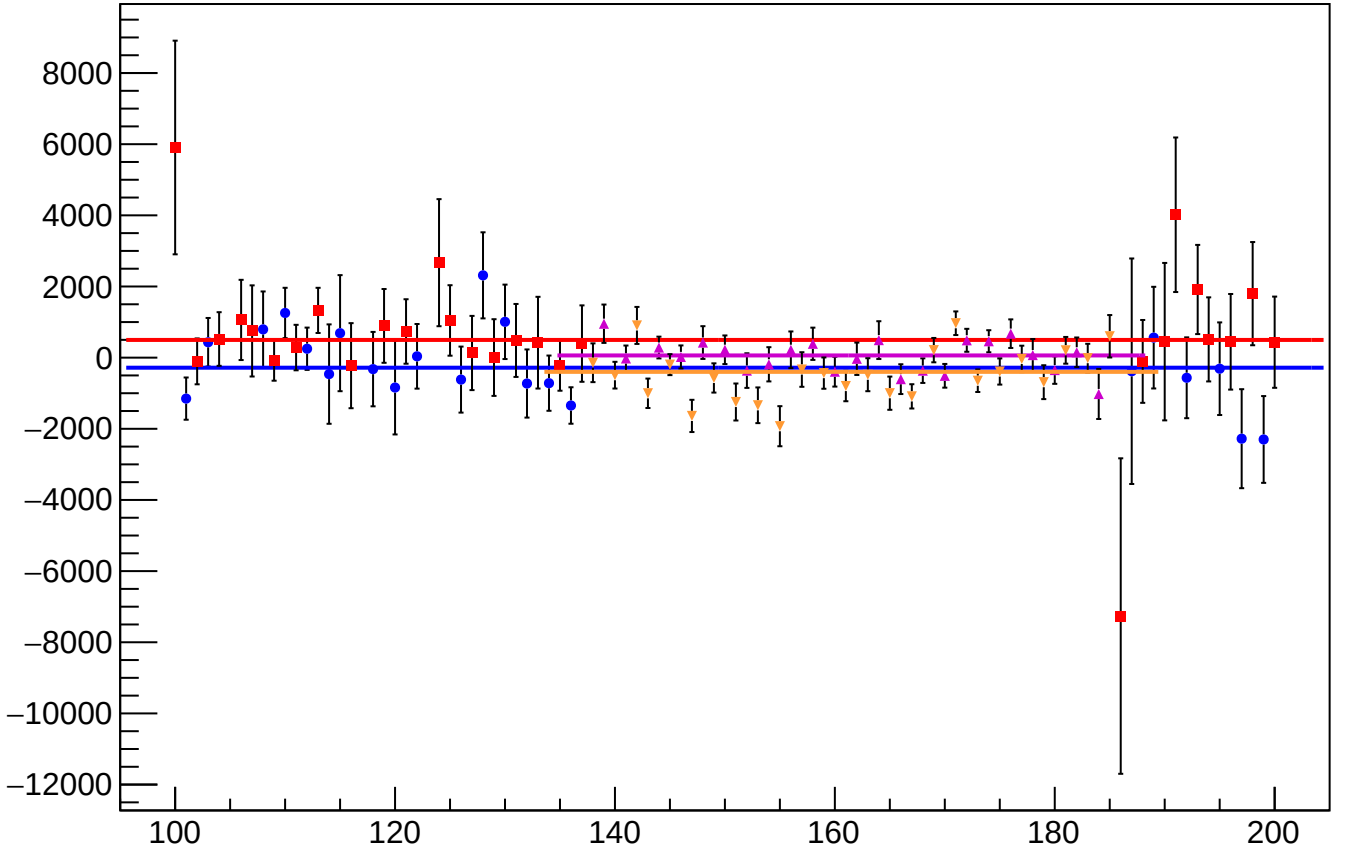
Right: 59.796+/-0.009 χ^2/NDF: 9301102.1/49

In: 52.887+/-0.007 χ^2/NDF:4537018.2/44

Out: 52.916+/-0.007 χ^2/NDF:6514712.7/52

All: 52.902+/-0.005 χ^2/NDF: 11051738.9/97

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

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

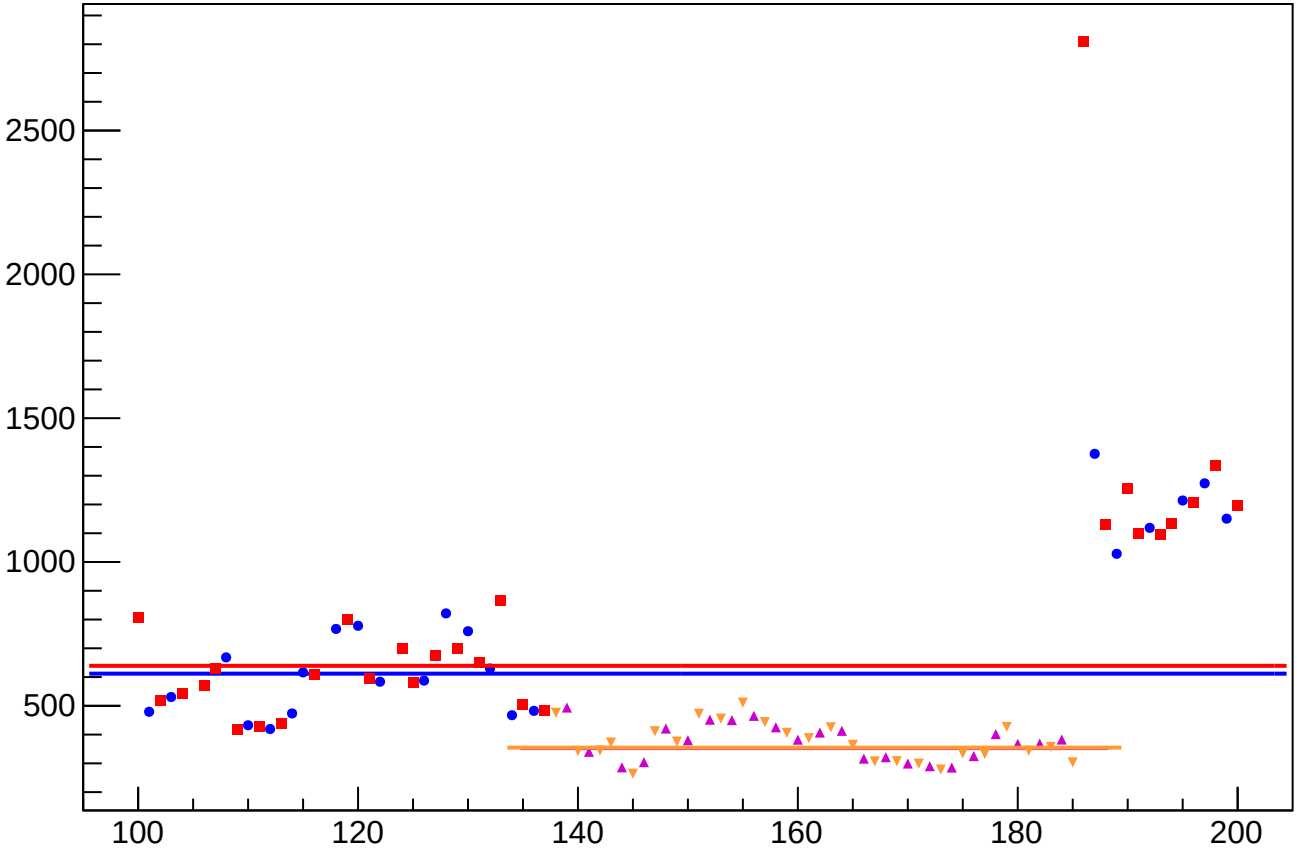
Right: 117.914+/-134.902 χ^2/NDF: 54.1/49

In: 7.440+/-76.960 χ^2/NDF:53.4/44

Out: -256.174+/-75.231 χ^2/NDF:103.5/52

All: -127.362+/-53.797 χ^2/NDF: 162.8/97

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

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

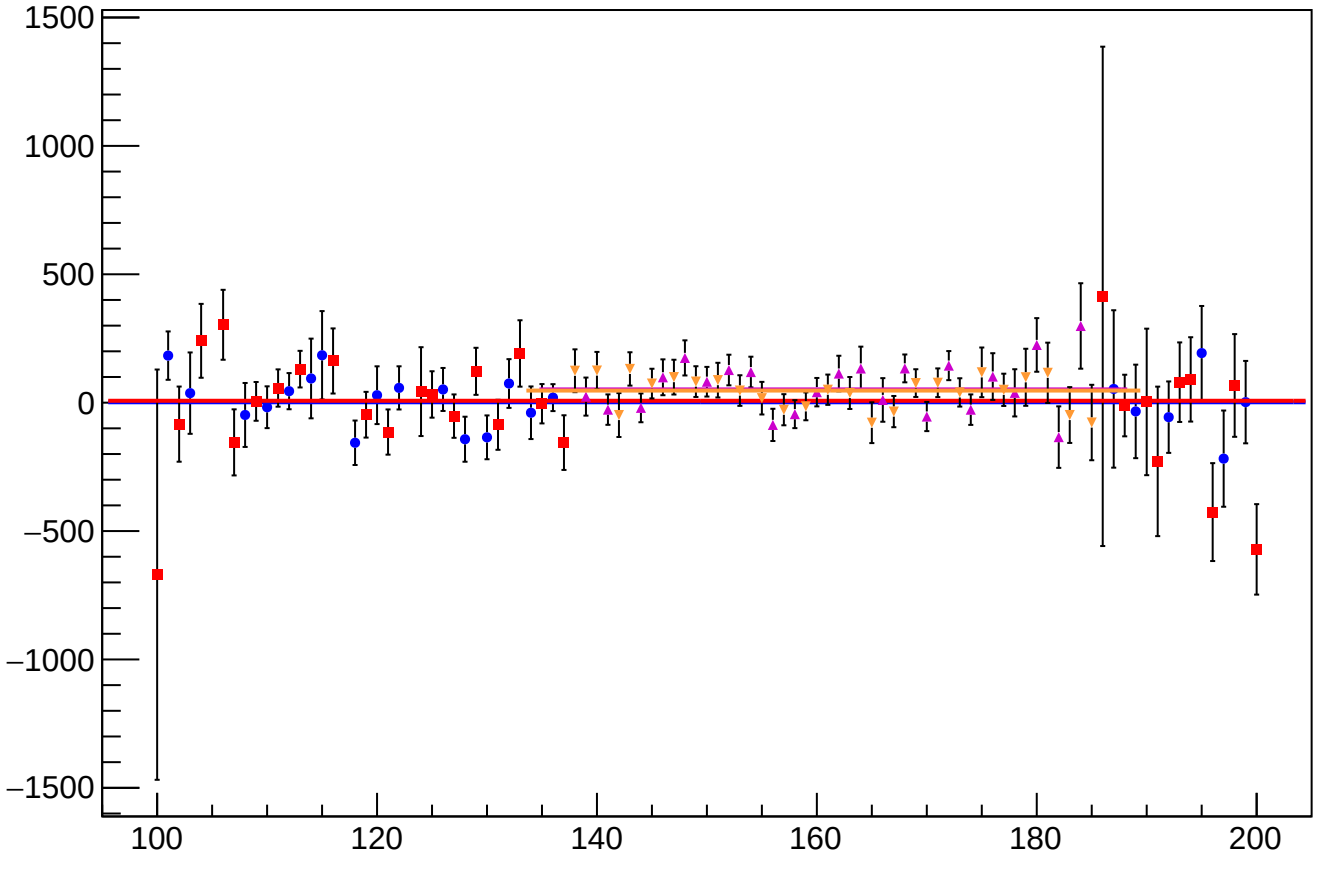
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 625.832+/-0.095 χ^2/NDF: 6828650.0/49

In: 394.106+/-0.054 χ^2/NDF:6841775.5/44

Out: 400.061+/-0.053 χ^2/NDF:8964629.1/52

All: 397.151+/-0.038 χ^2/NDF: 15812528.9/97



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

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

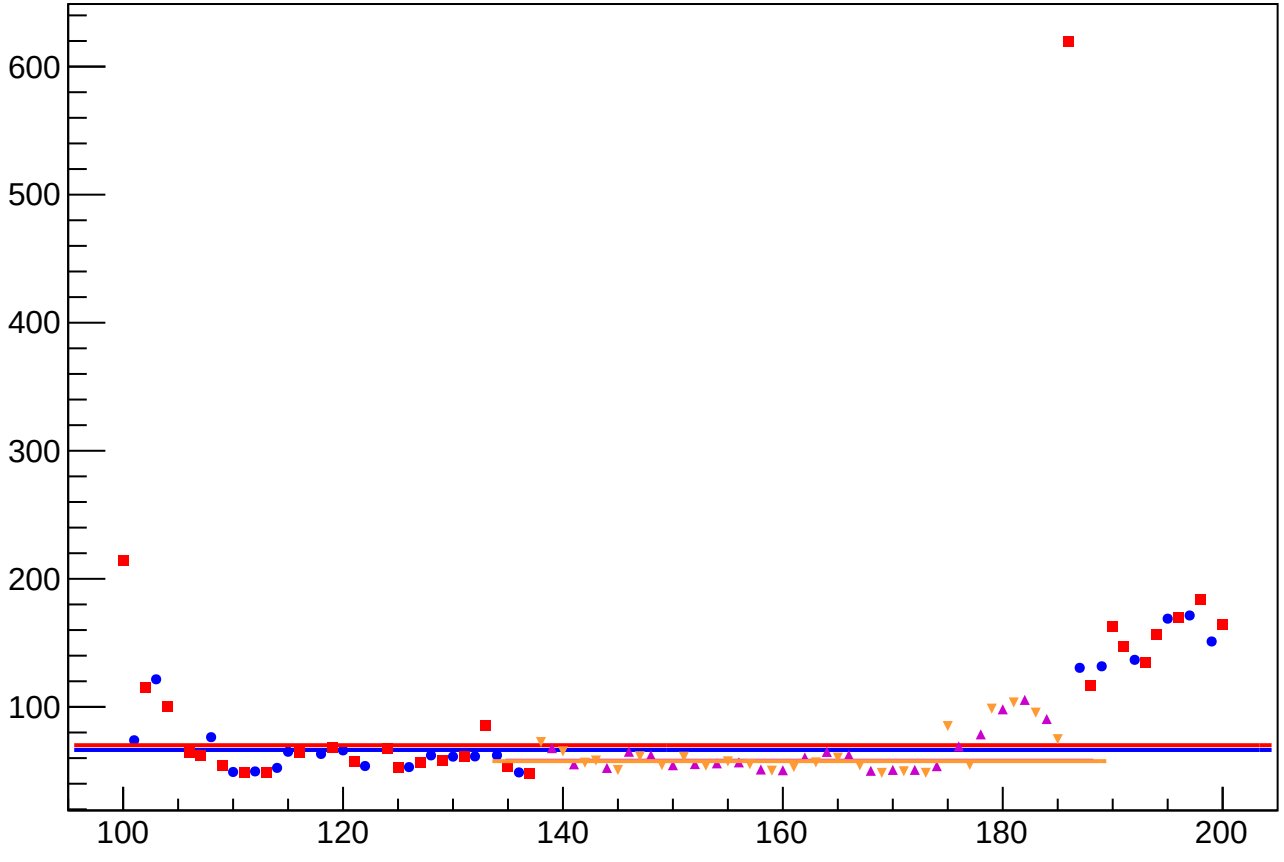
Right: 4.496+/-15.152 χ^2/NDF: 61.1/49

In: 36.809+/-11.689 χ^2/NDF:60.9/44

Out: 35.813+/-11.422 χ^2/NDF:61.6/52

All: 36.299+/-8.169 χ^2/NDF: 122.5/97

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 66.359+/-0.015 χ^2/NDF: 3497538.3/21

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

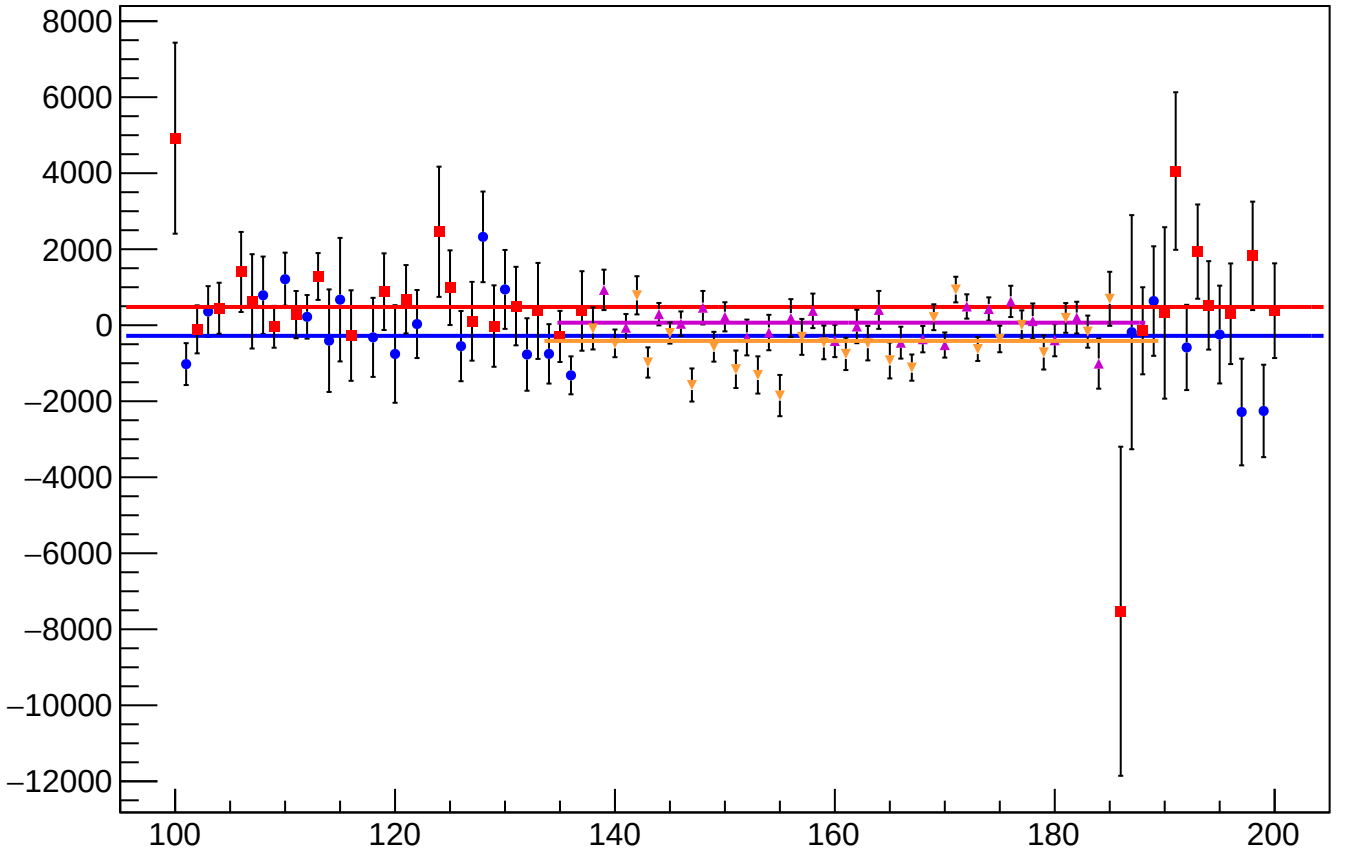
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 68.224+/-0.011 χ^2/NDF: 8713605.0/49

In: 60.434+/-0.008 χ^2/NDF:4838374.6/44

Out: 61.181+/-0.008 χ^2/NDF:7035397.3/52

All: 60.816+/-0.006 χ^2/NDF: 11877948.9/97



Right In: -279.399+/-188.917 χ^2/NDF: 26.1/21

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

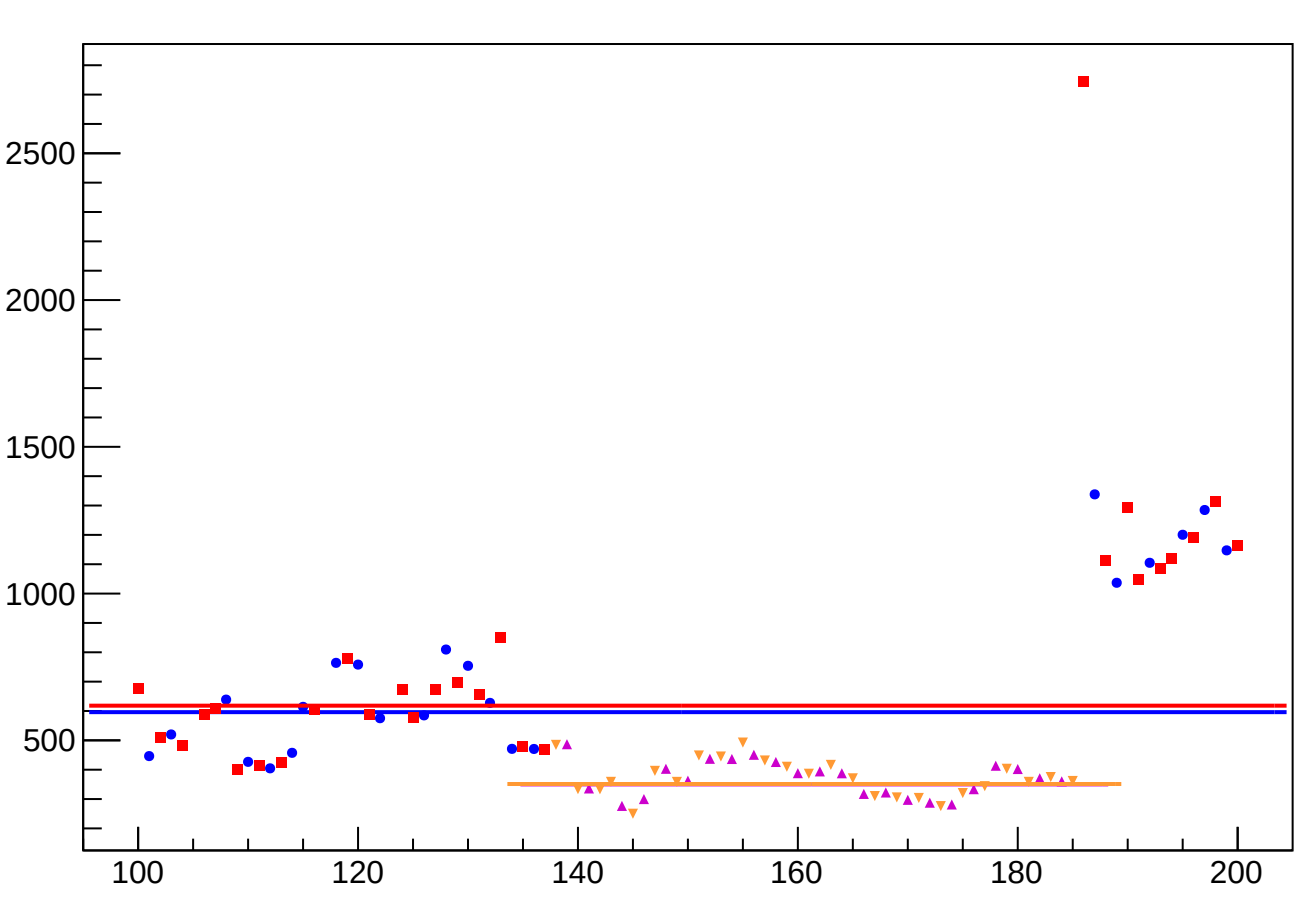
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 114.029+/-131.165 χ^2/NDF: 54.9/49

In: 10.558+/-76.052 χ^2/NDF:51.8/44

Out: -265.310+/-74.121 χ^2/NDF:101.7/52

All: -130.923+/-53.081 χ^2/NDF: 160.3/97



Right In: 596.052+/-0.134 χ^2/NDF: 2962826.5/21

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

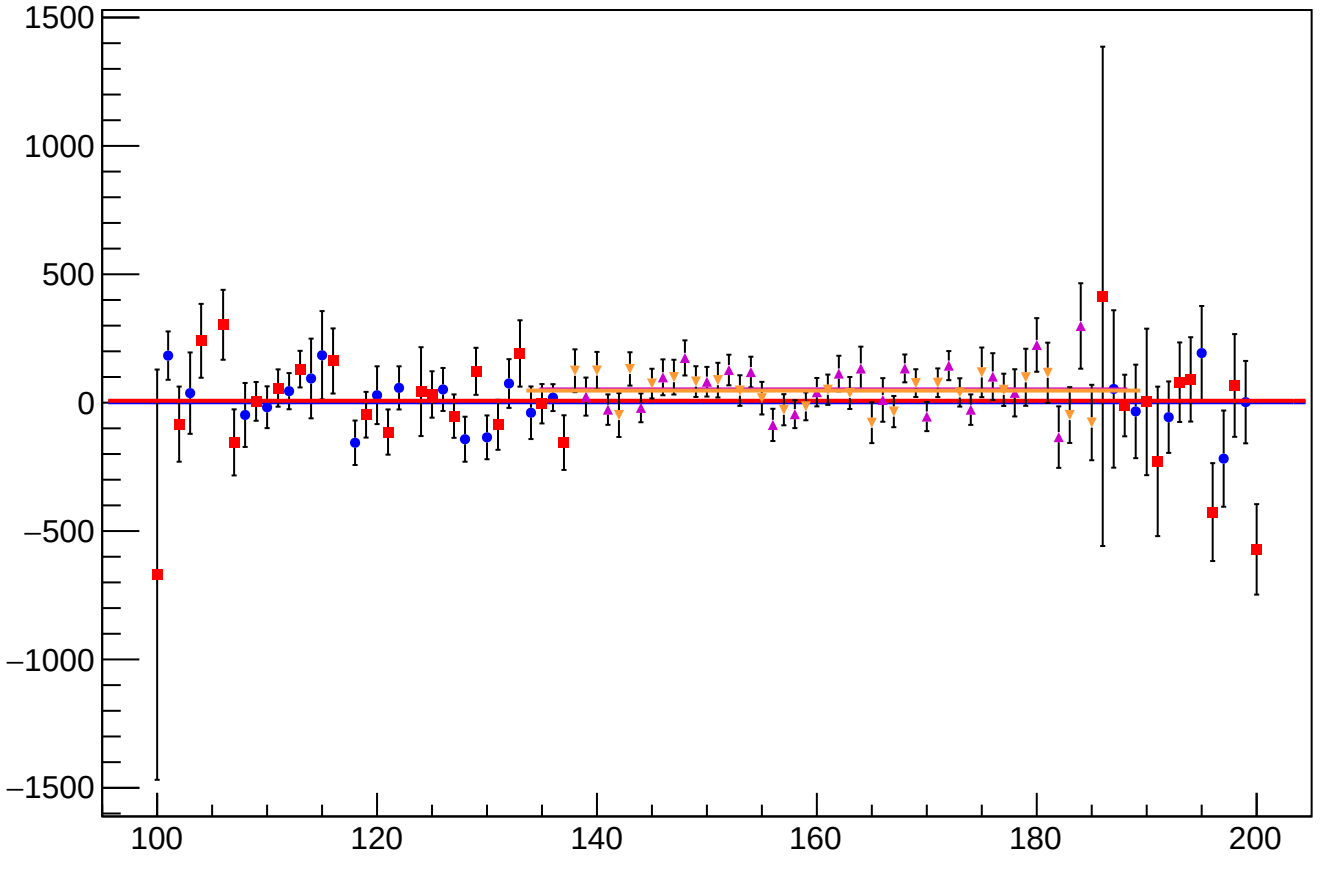
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

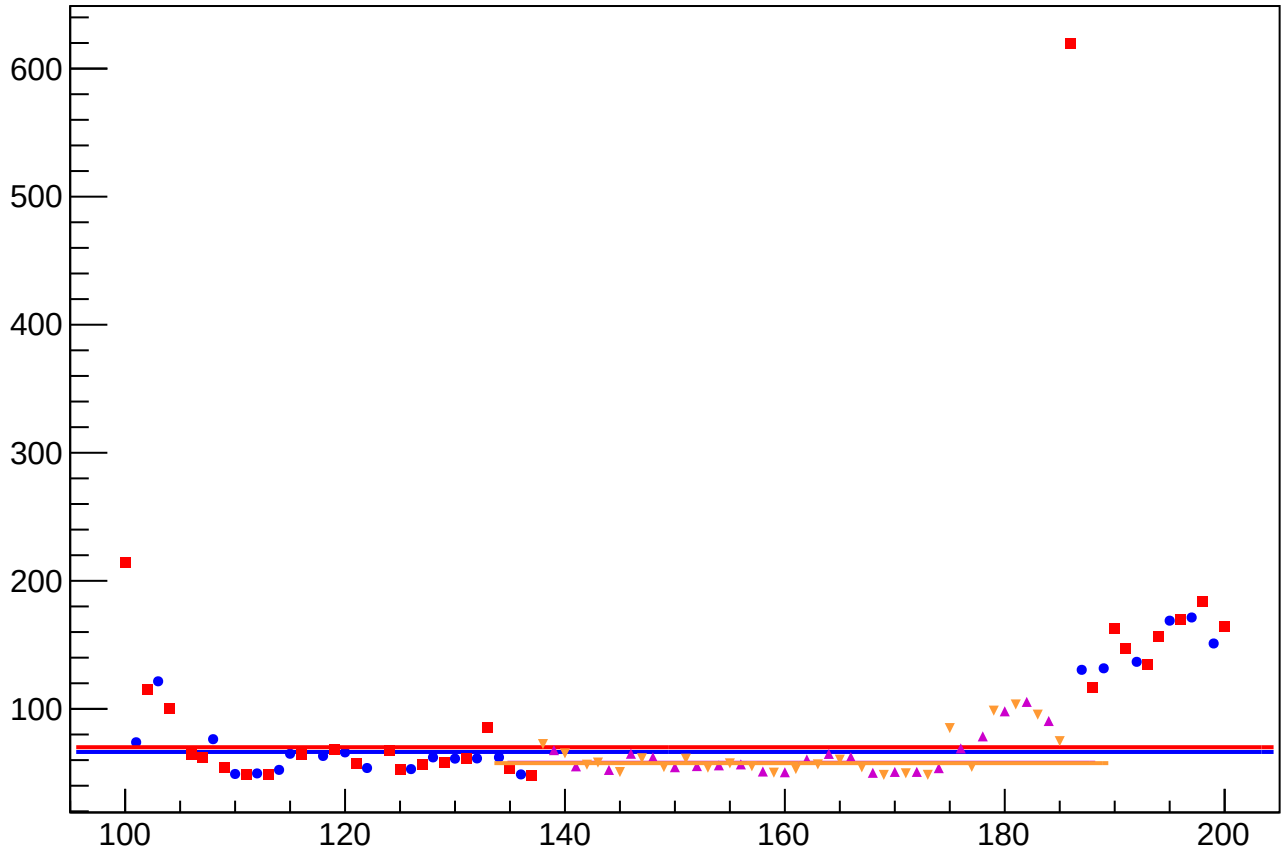
Right: 607.492+/-0.093 χ^2/NDF: 7126605.3/49

In: 389.719+/-0.054 χ^2/NDF:6800384.9/44

Out: 395.405+/-0.052 χ^2/NDF:8846930.1/52

All: 392.635+/-0.038 χ^2/NDF: 15653048.4/97


eigen_dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 1.552+/-21.475 χ²/NDF: 18.9/21
Left Out: 47.151+/-13.511 χ²/NDF:17.0/24
Right Out: 7.415+/-21.383 χ²/NDF: 42.2/27
Left In: 51.651+/-13.934 χ²/NDF:38.2/22
Left: 49.332+/-9.700 χ²/NDF: 55.2/47
Right: 4.496+/-15.152 χ²/NDF: 61.1/49
In: 36.809+/-11.689 χ²/NDF:60.9/44
Out: 35.813+/-11.422 χ²/NDF:61.6/52
All: 36.299+/-8.169 χ²/NDF: 122.5/97



Right In: 66.359+/-0.015 χ^2/NDF: 3497525.8/21

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

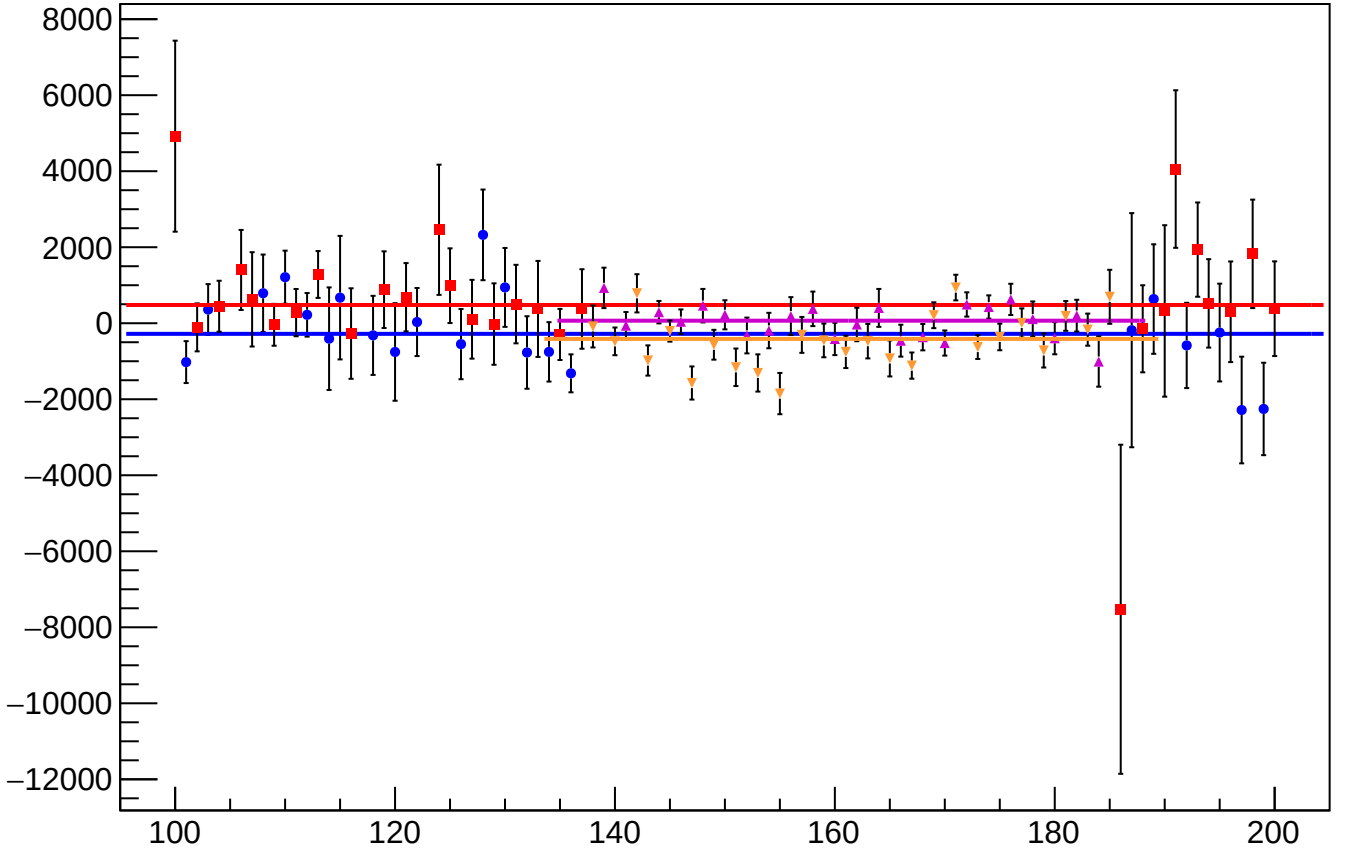
Right: 68.224+/-0.011 χ^2/NDF: 8713585.1/49

In: 60.434+/-0.008 χ^2/NDF:4838347.6/44

Out: 61.181+/-0.008 χ^2/NDF:7035386.9/52

All: 60.816+/-0.006 χ^2/NDF: 11877911.3/97

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -279.399+/-188.916 χ^2/NDF: 26.1/21

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

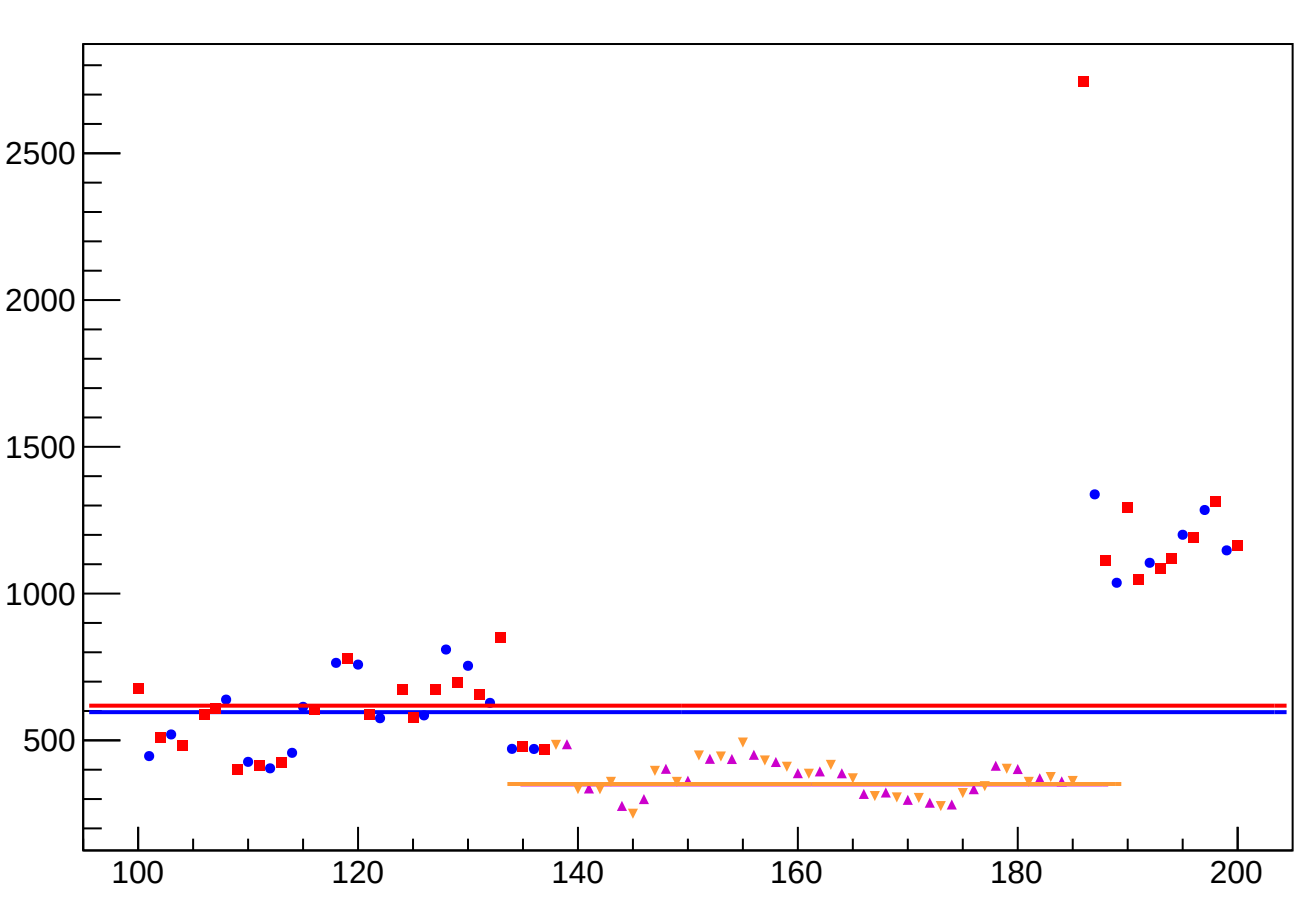
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 114.029+/-131.165 χ^2/NDF: 54.9/49

In: 10.557+/-76.052 χ^2/NDF:51.8/44

Out: -265.310+/-74.121 χ^2/NDF:101.7/52

All: -130.923+/-53.081 χ^2/NDF: 160.3/97



Right In: 596.051+/-0.134 χ^2/NDF: 2962832.9/21

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

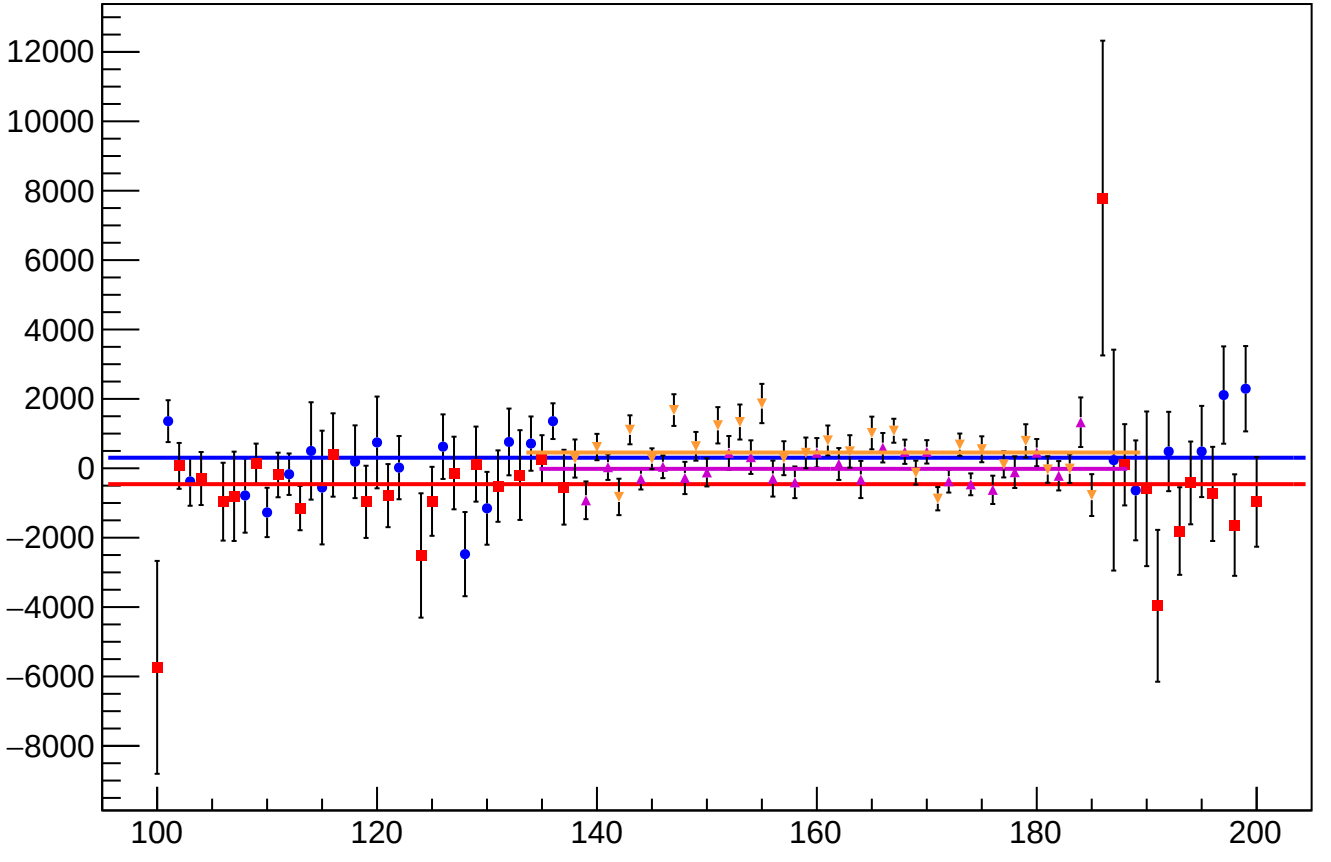
Right: 607.491+/-0.093 χ^2/NDF: 7126616.1/49

In: 389.719+/-0.054 χ^2/NDF:6800370.6/44

Out: 395.405+/-0.052 χ^2/NDF:8846918.2/52

All: 392.635+/-0.038 χ^2/NDF: 15653021.9/97

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 304.492+/-194.916 χ^2/NDF: 27.8/21

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

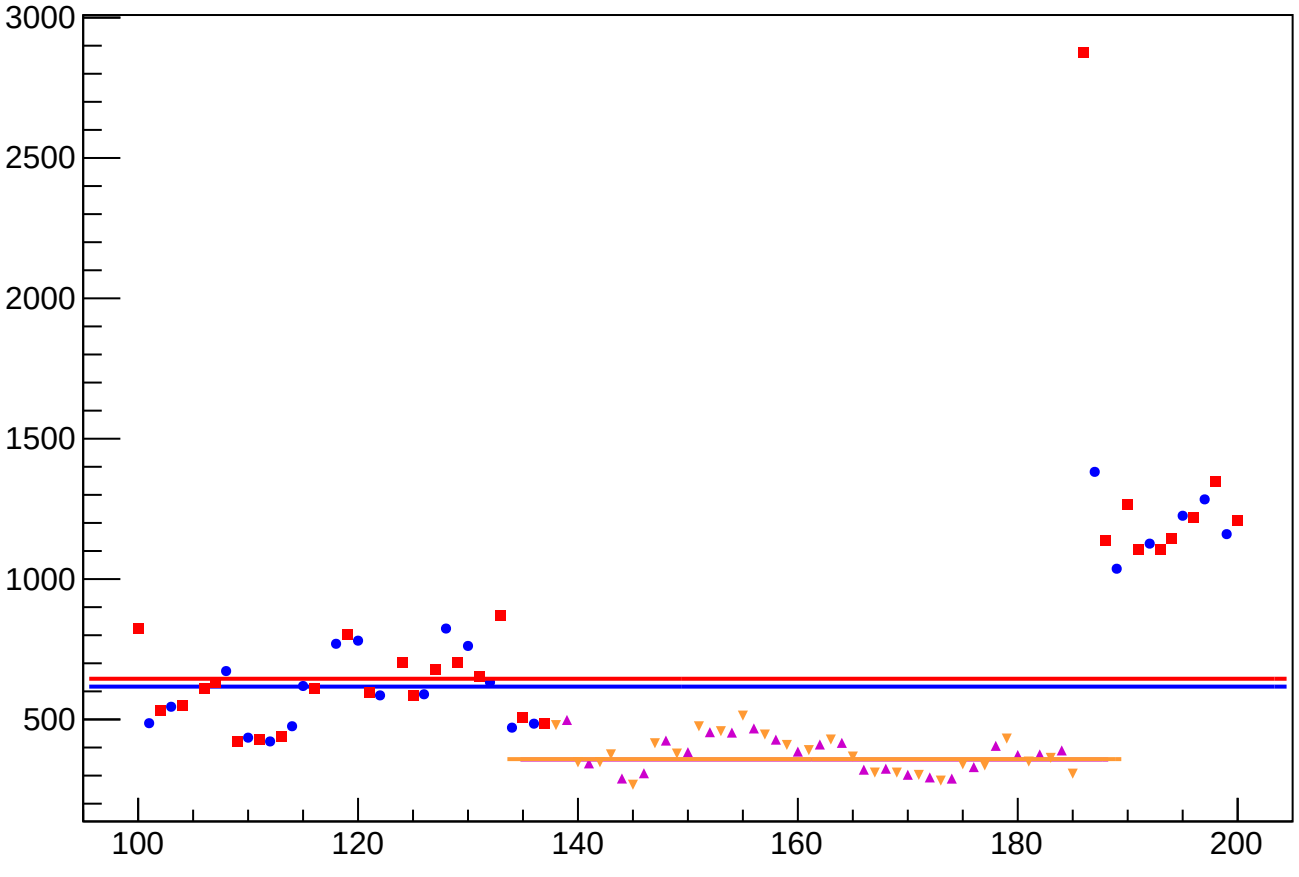
Right: -86.675+/-135.945 χ^2/NDF: 53.9/49

In: 34.977+/-77.783 χ^2/NDF:54.9/44

Out: 308.748+/-76.010 χ^2/NDF:98.5/52

All: 175.019+/-54.363 χ^2/NDF: 159.8/97

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 616.960+/-0.138 χ^2/NDF: 2812958.9/21

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

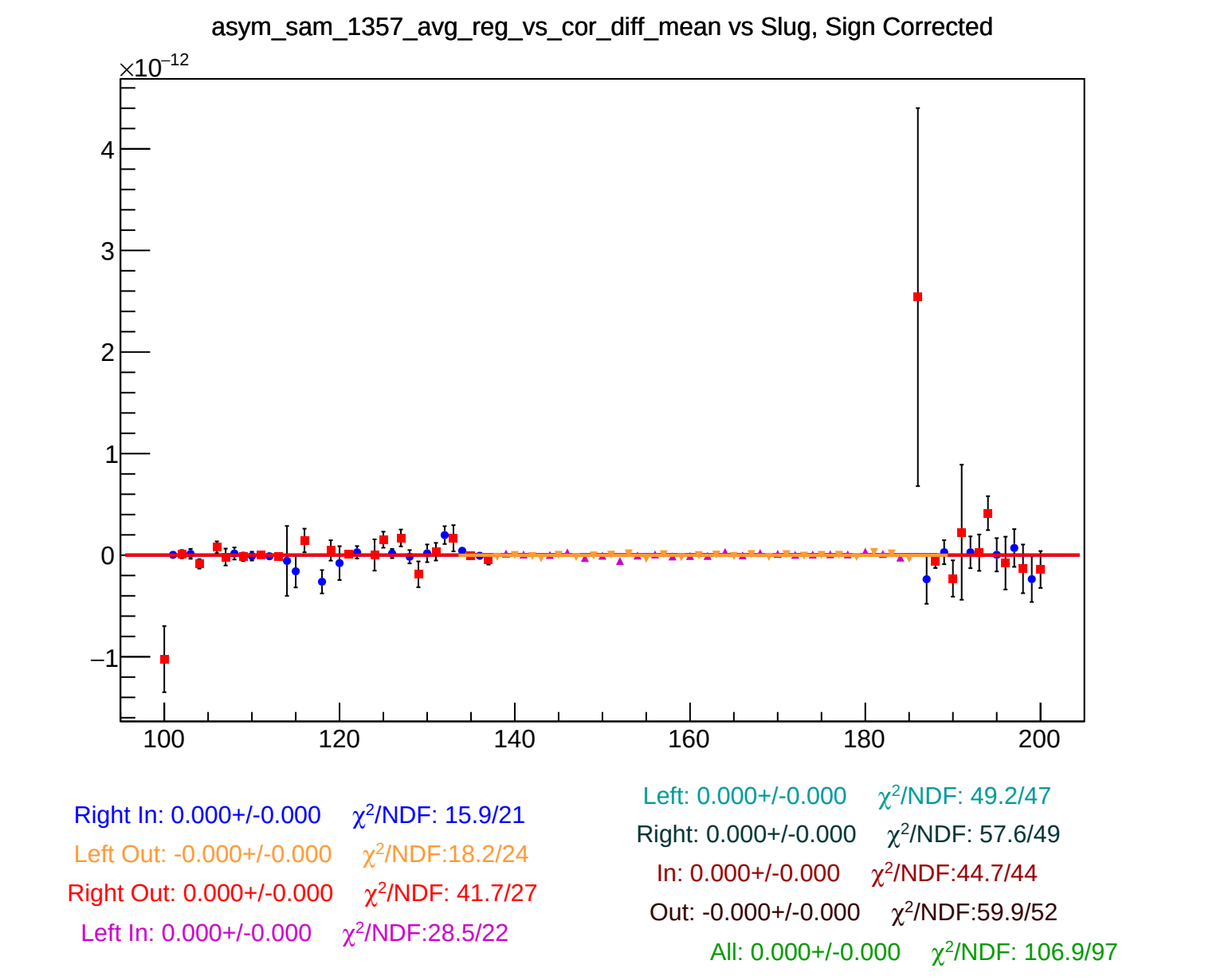
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

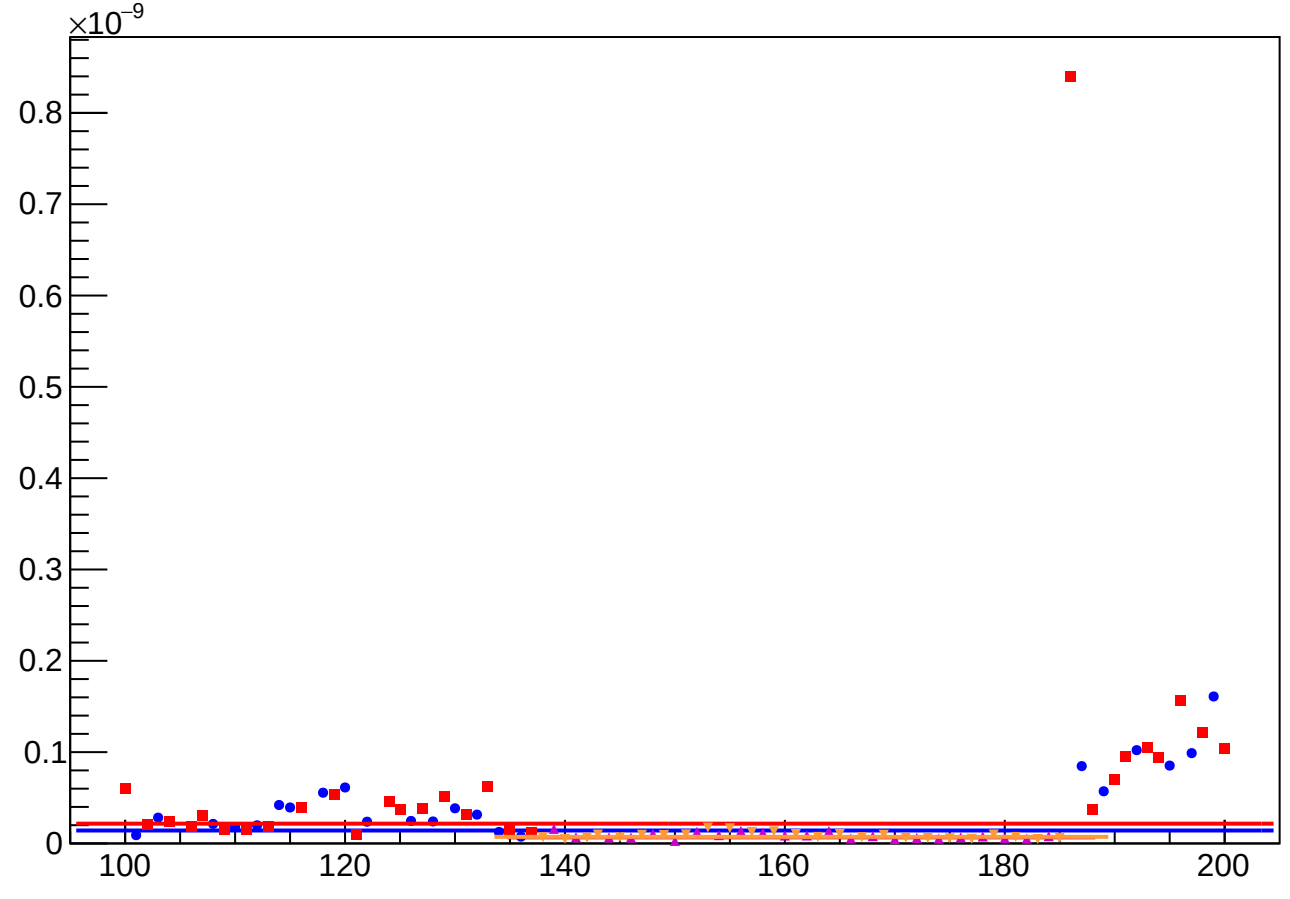
Right: 631.349+/-0.096 χ^2/NDF: 6813720.4/49

In: 398.552+/-0.055 χ^2/NDF:6781421.6/44

Out: 404.641+/-0.054 χ^2/NDF:8923206.7/52

All: 401.667+/-0.038 χ^2/NDF: 15710898.5/97


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.9/21
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.7/27
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: 0.000+/-0.000 χ²/NDF: 57.6/49
In: 0.000+/-0.000 χ²/NDF:44.7/44
Out: -0.000+/-0.000 χ²/NDF:59.9/52
All: 0.000+/-0.000 χ²/NDF: 106.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 4504057.2/21

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

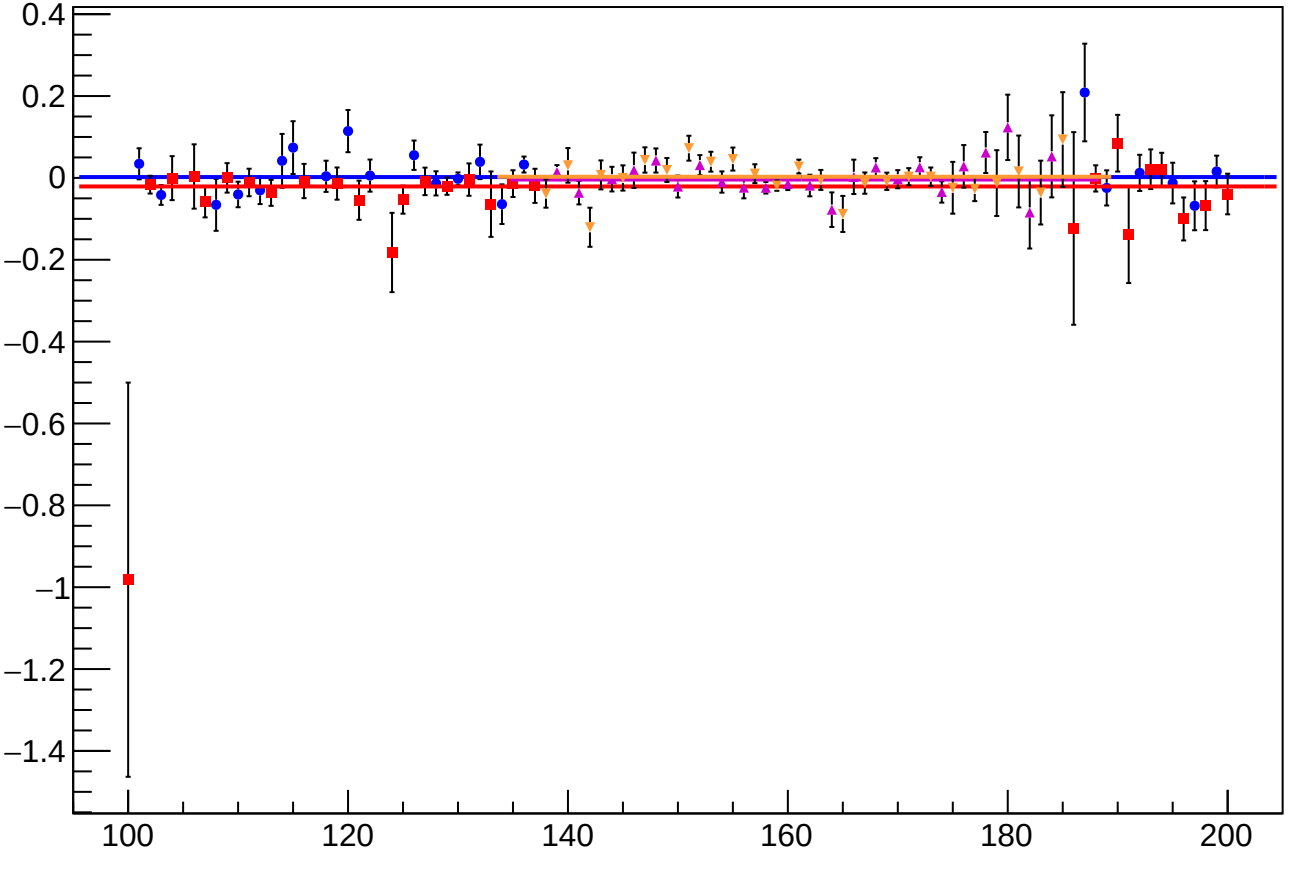
Right: 0.000+/-0.000 χ^2/NDF: 9232096.4/49

In: 0.000+/-0.000 χ^2/NDF:7527904.5/44

Out: 0.000+/-0.000 χ^2/NDF:8478046.9/52

All: 0.000+/-0.000 χ^2/NDF: 16074792.2/97

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

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

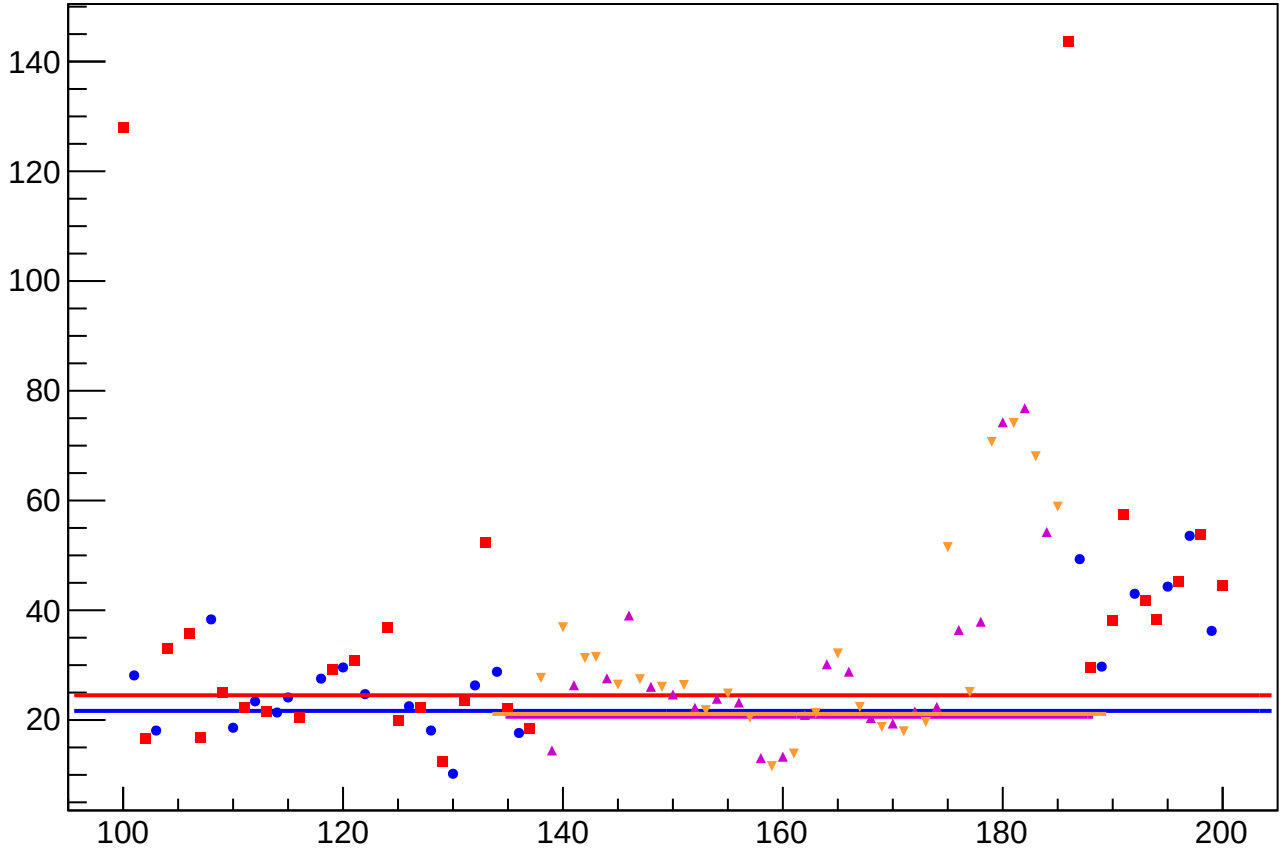
Right: -0.009+/-0.005 χ^2/NDF: 51.2/49

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 111.0/97

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

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

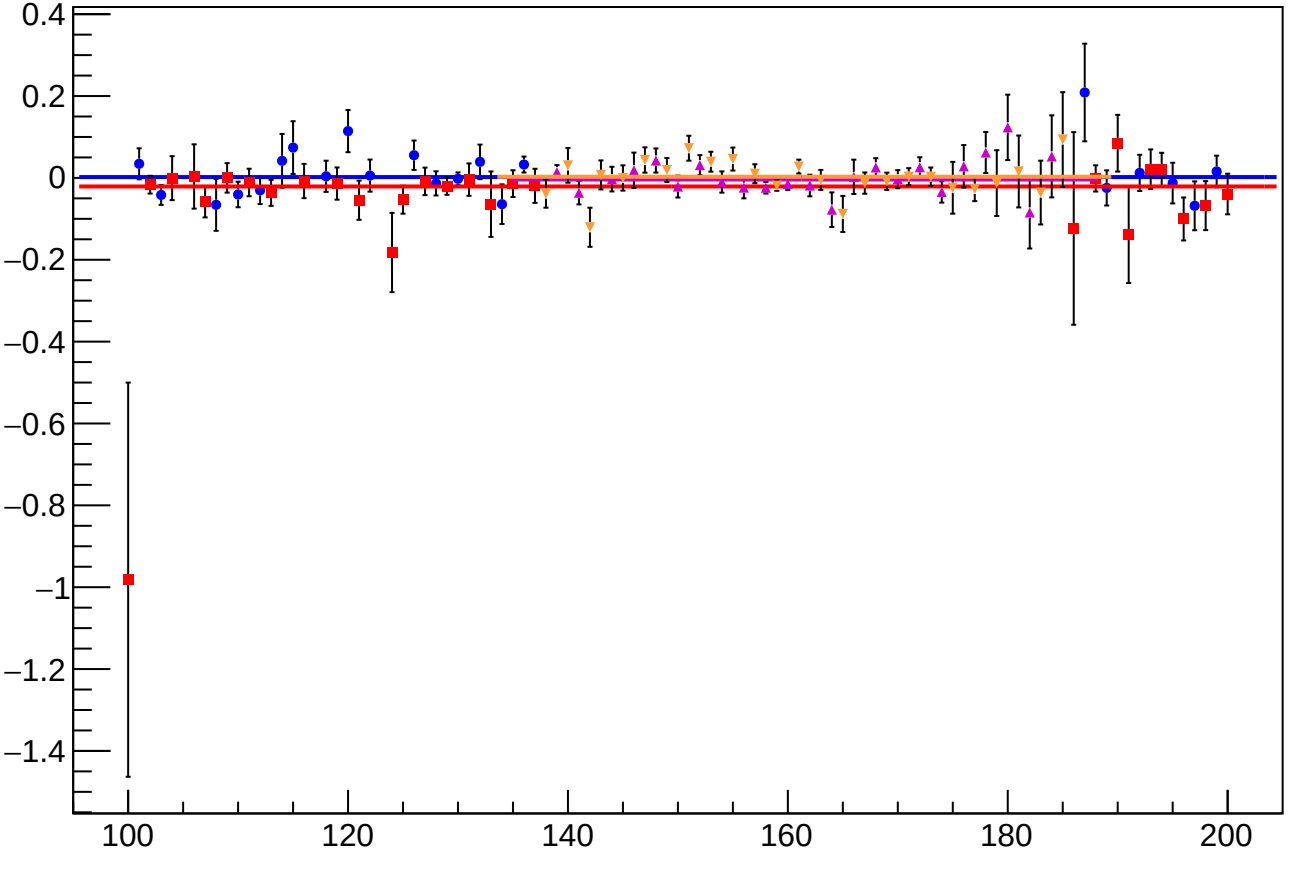
Right: 23.021+/-0.004 χ^2/NDF: 7762279.9/49

In: 20.974+/-0.003 χ^2/NDF:8181296.1/44

Out: 22.263+/-0.003 χ^2/NDF:9872282.8/52

All: 21.608+/-0.002 χ^2/NDF: 18139665.1/97

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

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

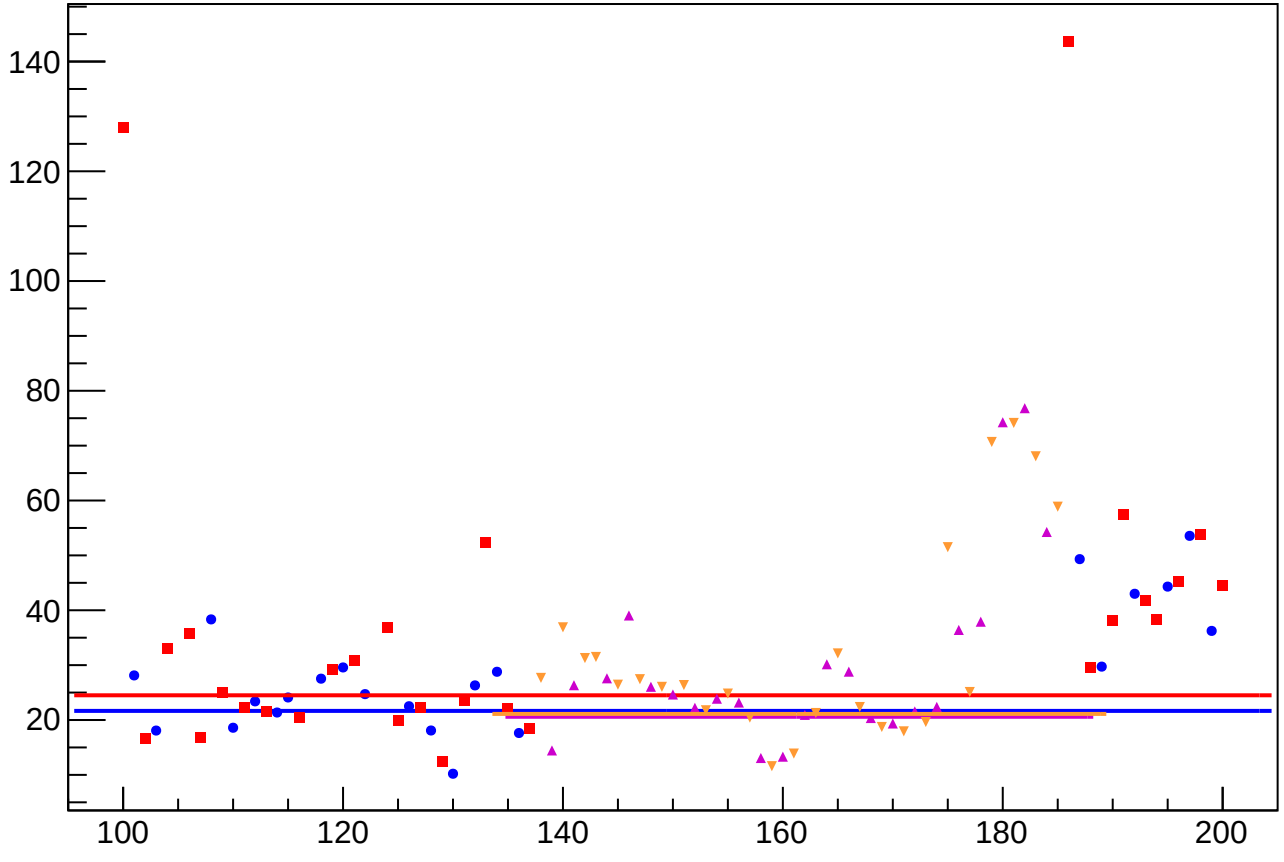
Right: -0.009+/-0.005 χ^2/NDF: 51.2/49

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 111.0/97

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

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

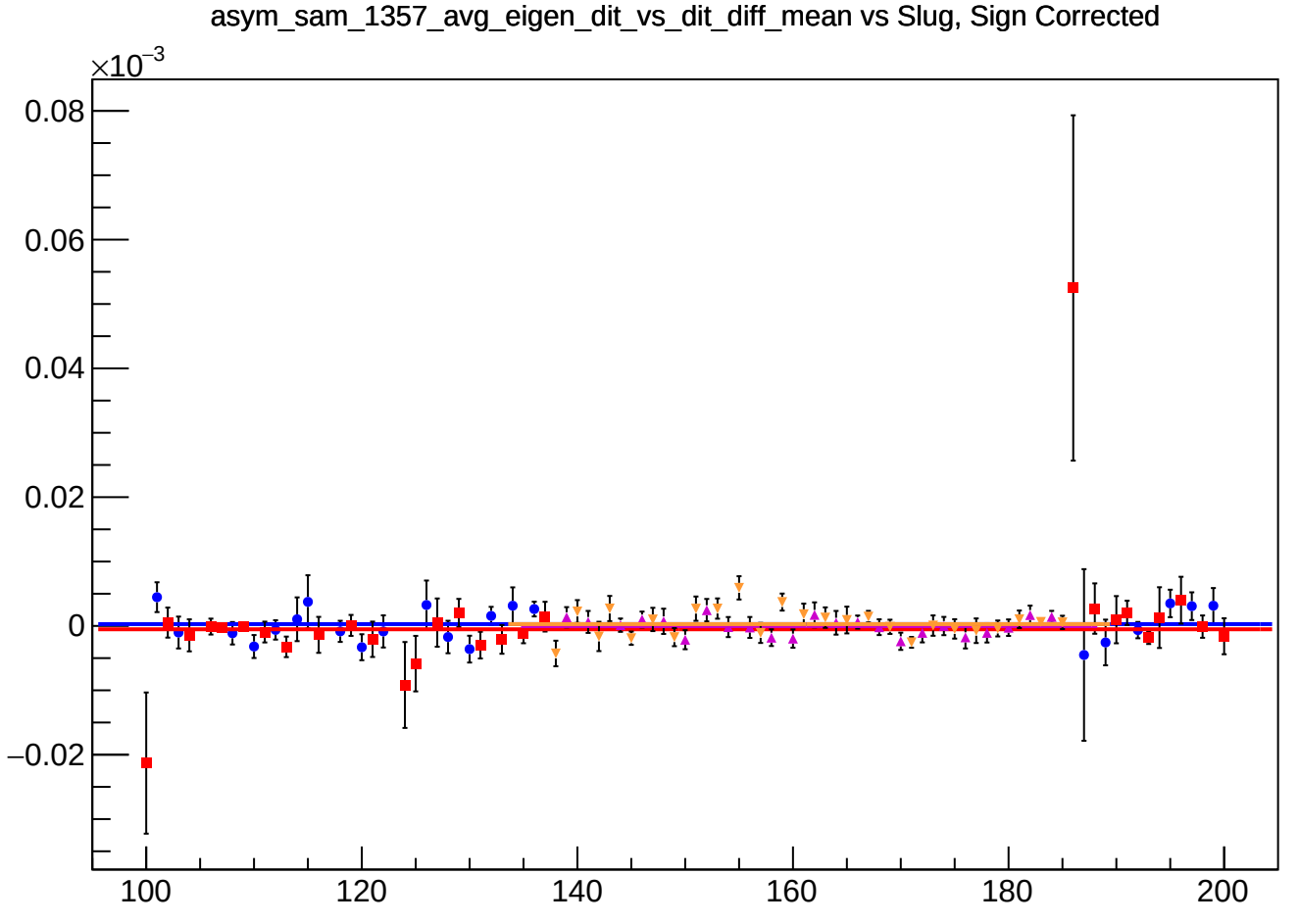
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

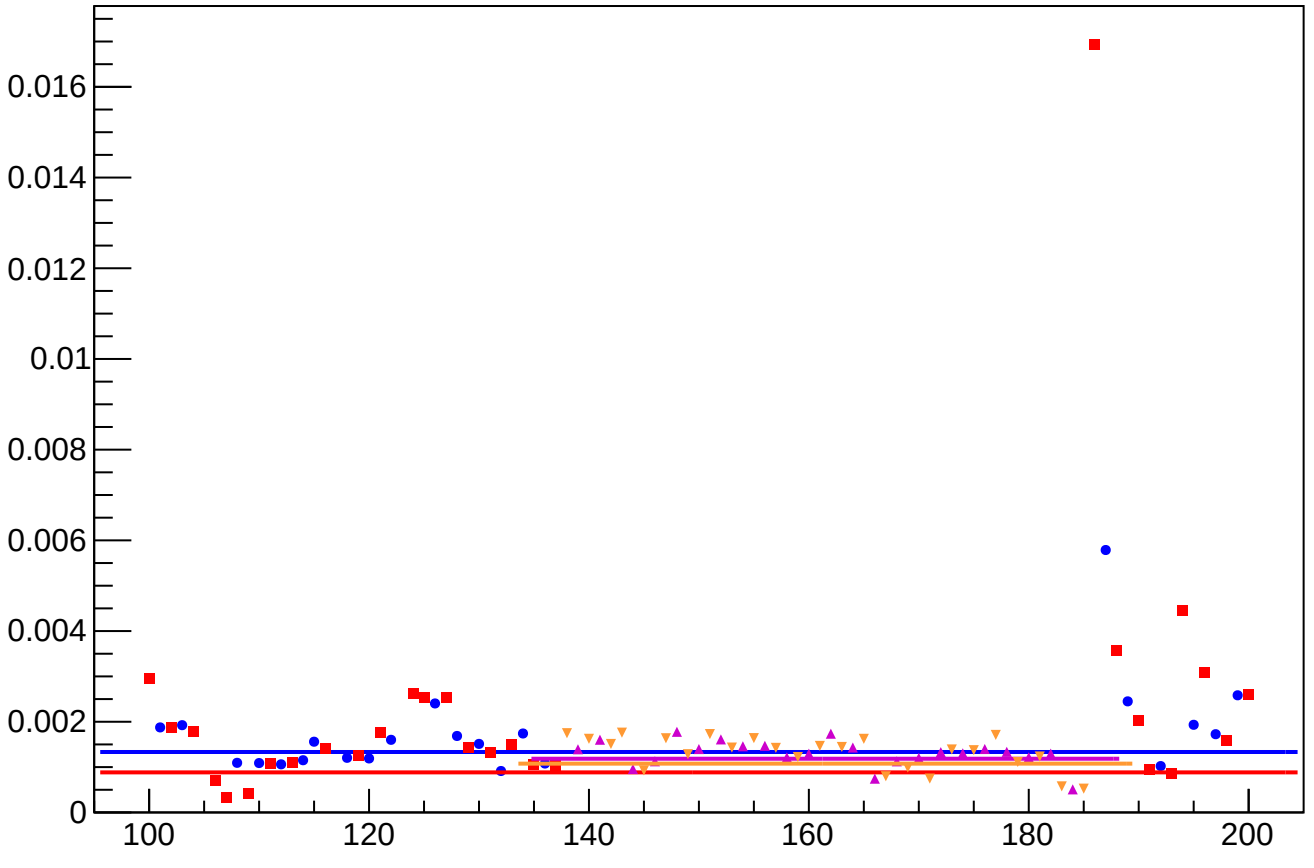
Right: 23.021+/-0.004 χ^2/NDF: 7762279.9/49

In: 20.974+/-0.003 χ^2/NDF:8181296.1/44

Out: 22.263+/-0.003 χ^2/NDF:9872282.8/52

All: 21.608+/-0.002 χ^2/NDF: 18139665.1/97


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.0/21
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/27
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 58.2/49
In: 0.000+/-0.000 χ²/NDF:50.2/44
Out: -0.000+/-0.000 χ²/NDF:82.4/52
All: -0.000+/-0.000 χ²/NDF: 132.8/97



Right In: 0.001+/-0.000 χ^2/NDF: 2133674.7/21

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

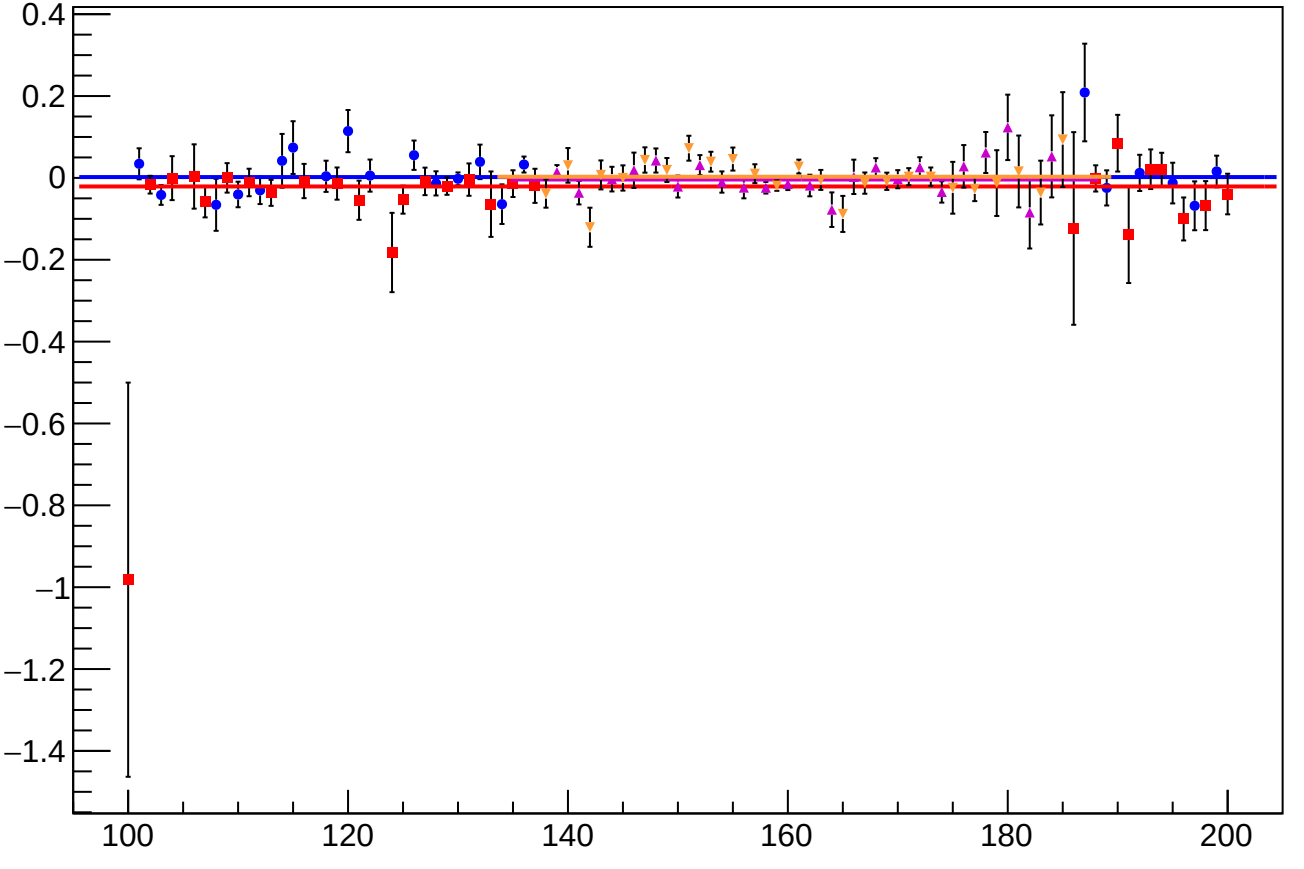
Right: 0.001+/-0.000 χ^2/NDF: 13363217.1/49

In: 0.001+/-0.000 χ^2/NDF:4756181.1/44

Out: 0.001+/-0.000 χ^2/NDF:14766206.8/52

All: 0.001+/-0.000 χ^2/NDF: 20681443.3/97

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

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

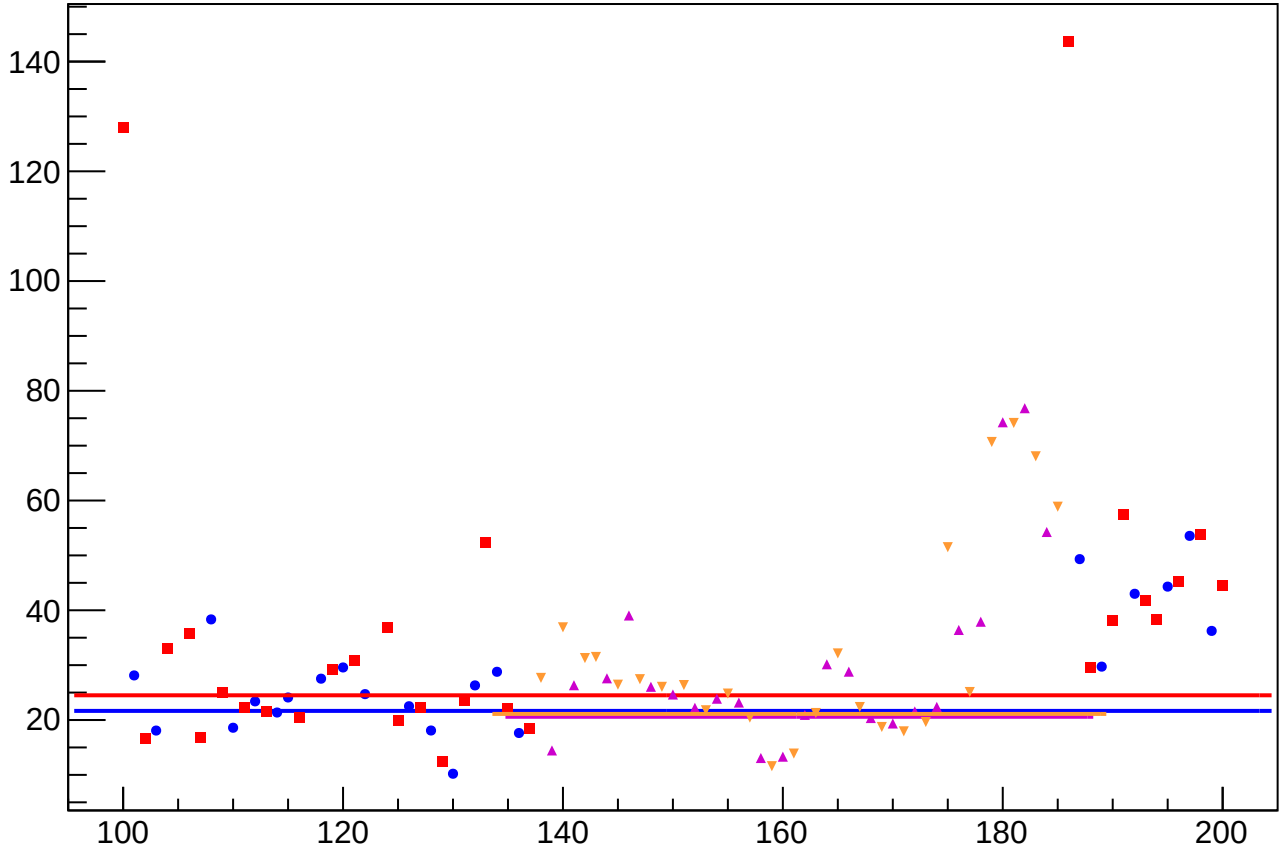
Right: -0.009+/-0.005 χ^2/NDF: 51.2/49

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 111.0/97

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

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

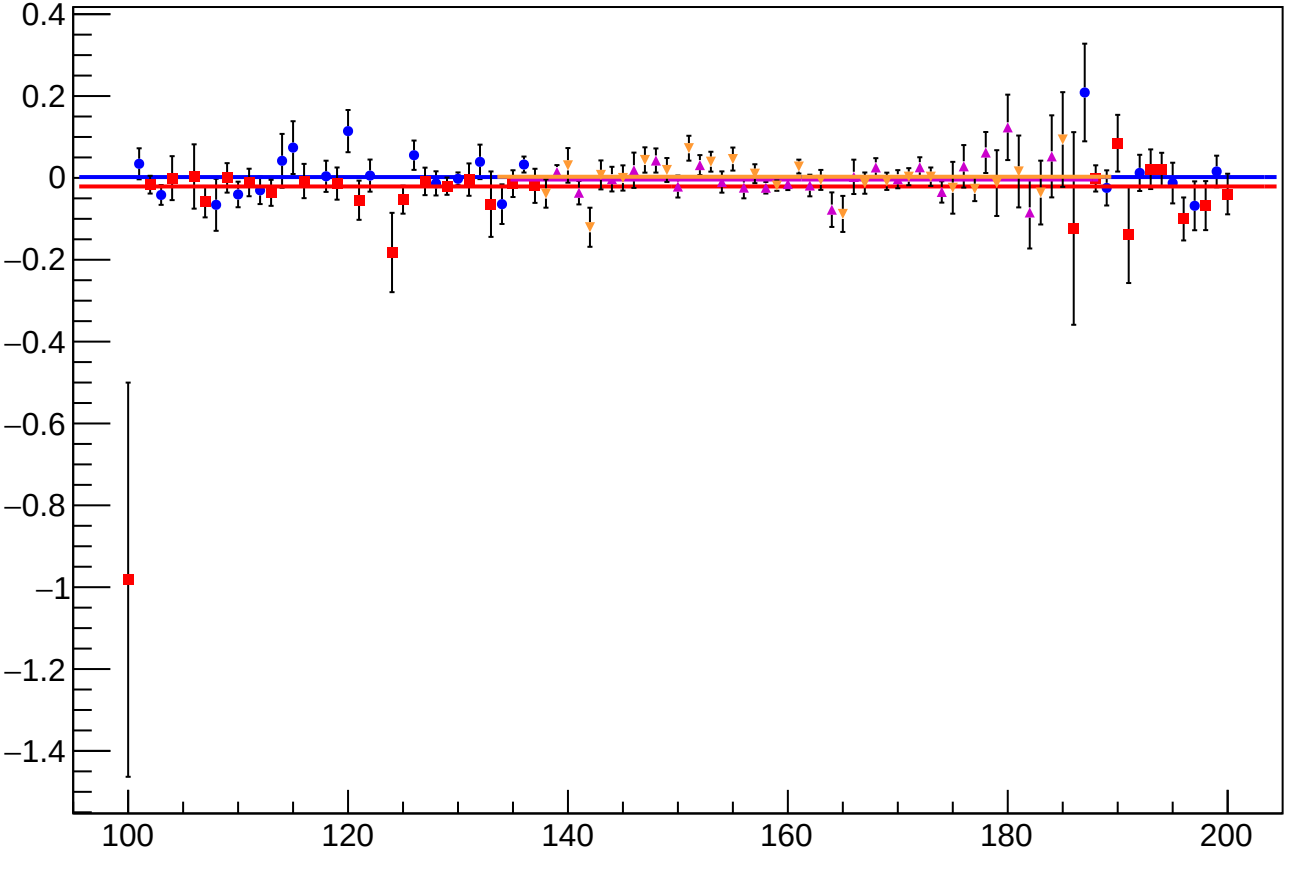
Right: 23.021+/-0.004 χ^2/NDF: 7762030.3/49

In: 20.975+/-0.003 χ^2/NDF:8181107.5/44

Out: 22.263+/-0.003 χ^2/NDF:9872419.3/52

All: 21.608+/-0.002 χ^2/NDF: 18139585.9/97

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

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

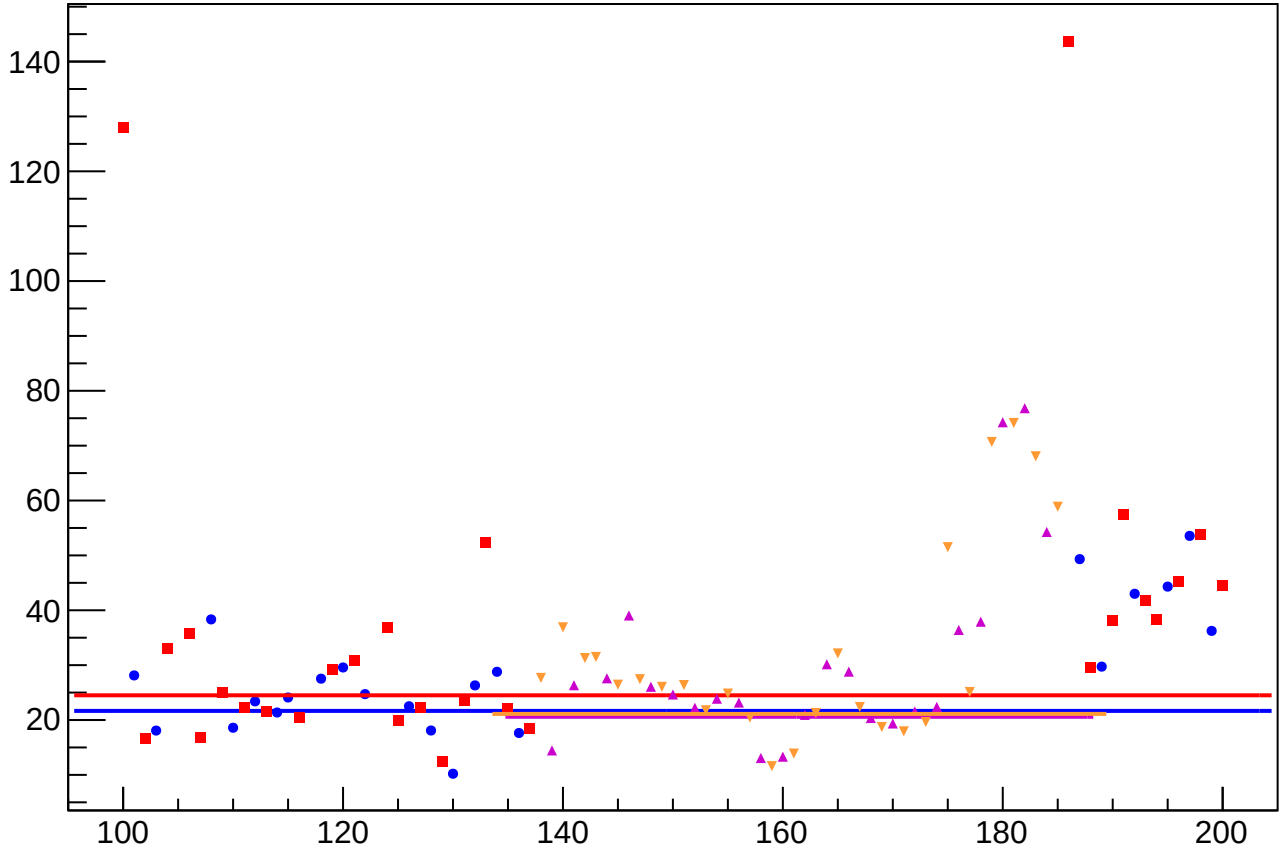
Right: -0.009+/-0.005 χ^2/NDF: 51.2/49

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.7/52

All: -0.004+/-0.003 χ^2/NDF: 111.0/97

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

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

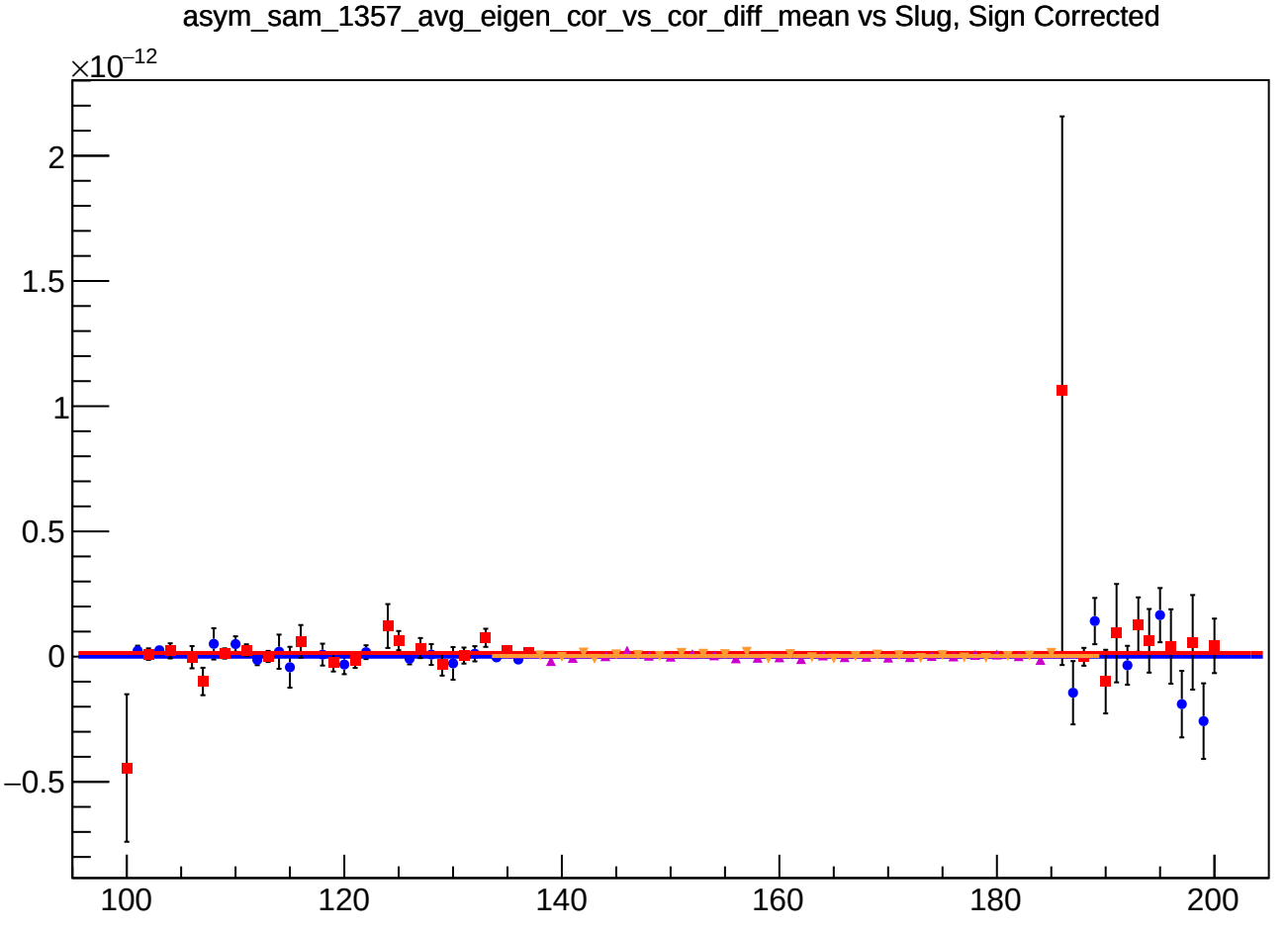
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.021+/-0.004 χ^2/NDF: 7762030.3/49

In: 20.975+/-0.003 χ^2/NDF:8181107.5/44

Out: 22.263+/-0.003 χ^2/NDF:9872419.3/52

All: 21.608+/-0.002 χ^2/NDF: 18139585.9/97



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/21

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

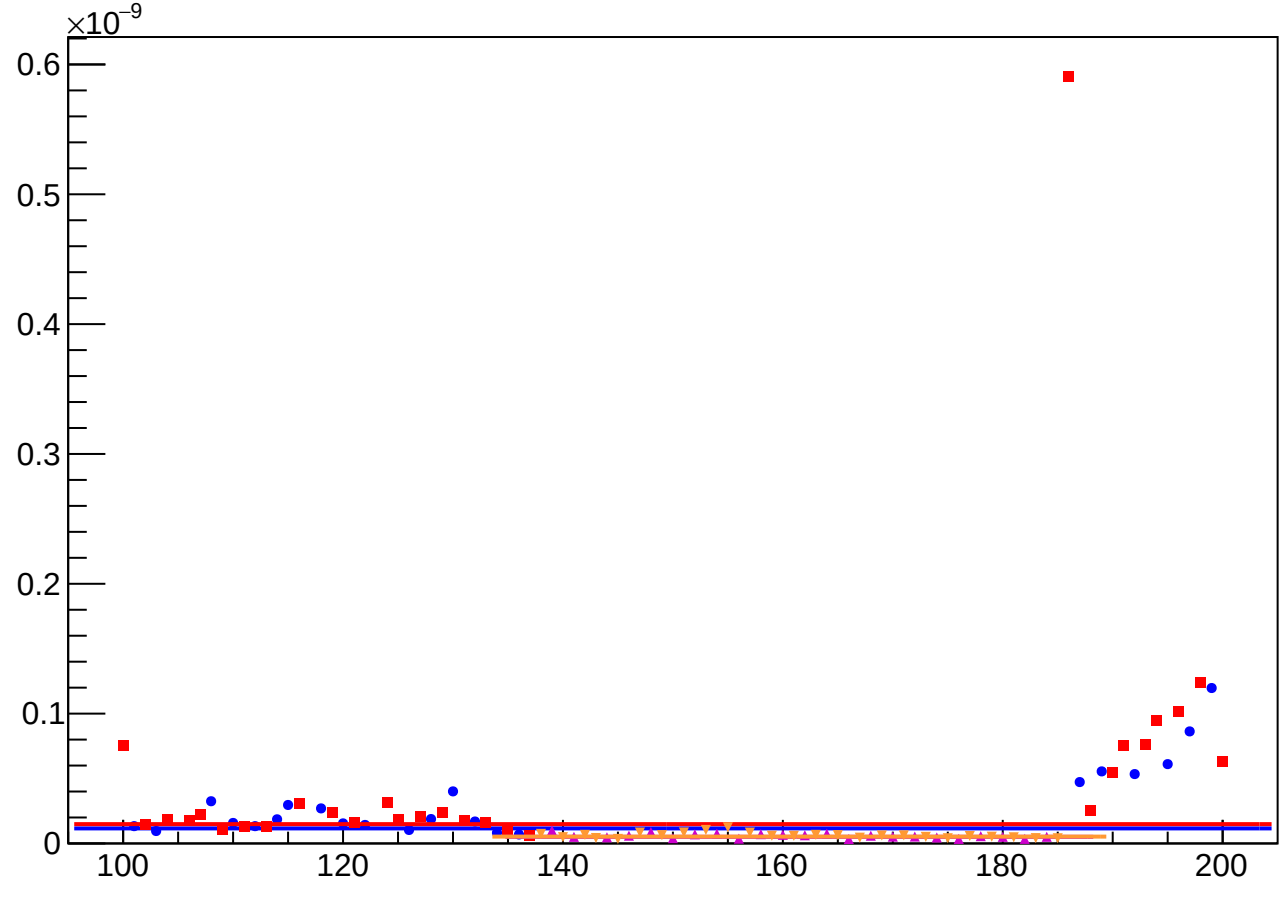
Right: 0.000+/-0.000 χ^2/NDF: 45.9/49

In: 0.000+/-0.000 χ^2/NDF:43.1/44

Out: 0.000+/-0.000 χ^2/NDF:45.1/52

All: 0.000+/-0.000 χ^2/NDF: 89.7/97

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5149958.1/21

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

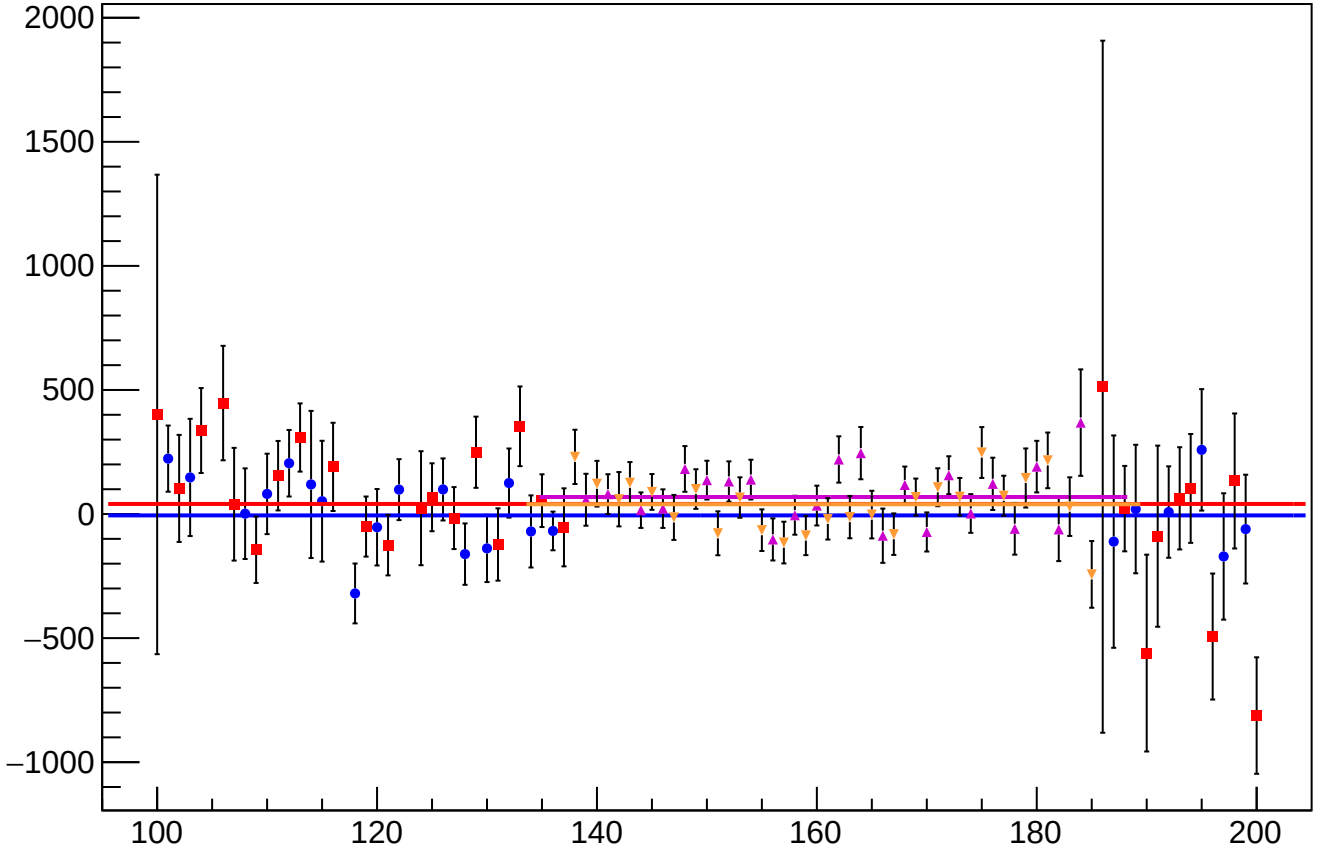
Right: 0.000+/-0.000 χ^2/NDF: 11240120.9/49

In: 0.000+/-0.000 χ^2/NDF:9393983.2/44

Out: 0.000+/-0.000 χ^2/NDF:12138920.7/52

All: 0.000+/-0.000 χ^2/NDF: 21560293.9/97

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -5.485+/-32.386 χ^2/NDF: 20.7/21

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

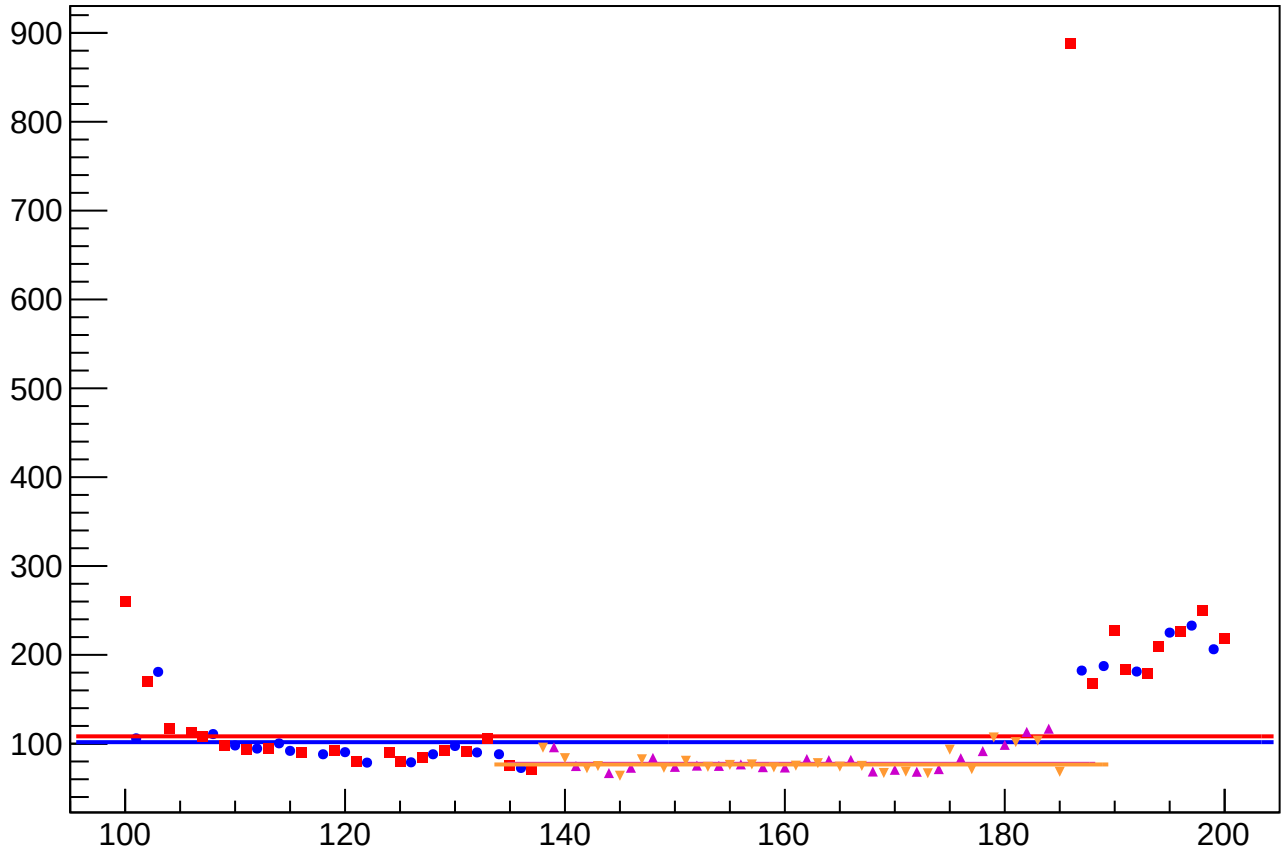
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 17.679+/-22.852 χ^2/NDF: 65.7/49

In: 50.659+/-15.944 χ^2/NDF:53.6/44

Out: 39.748+/-15.494 χ^2/NDF:75.9/52

All: 45.048+/-11.111 χ^2/NDF: 129.8/97



Right In: 101.734+/-0.023 χ^2/NDF: 2904827.9/21

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

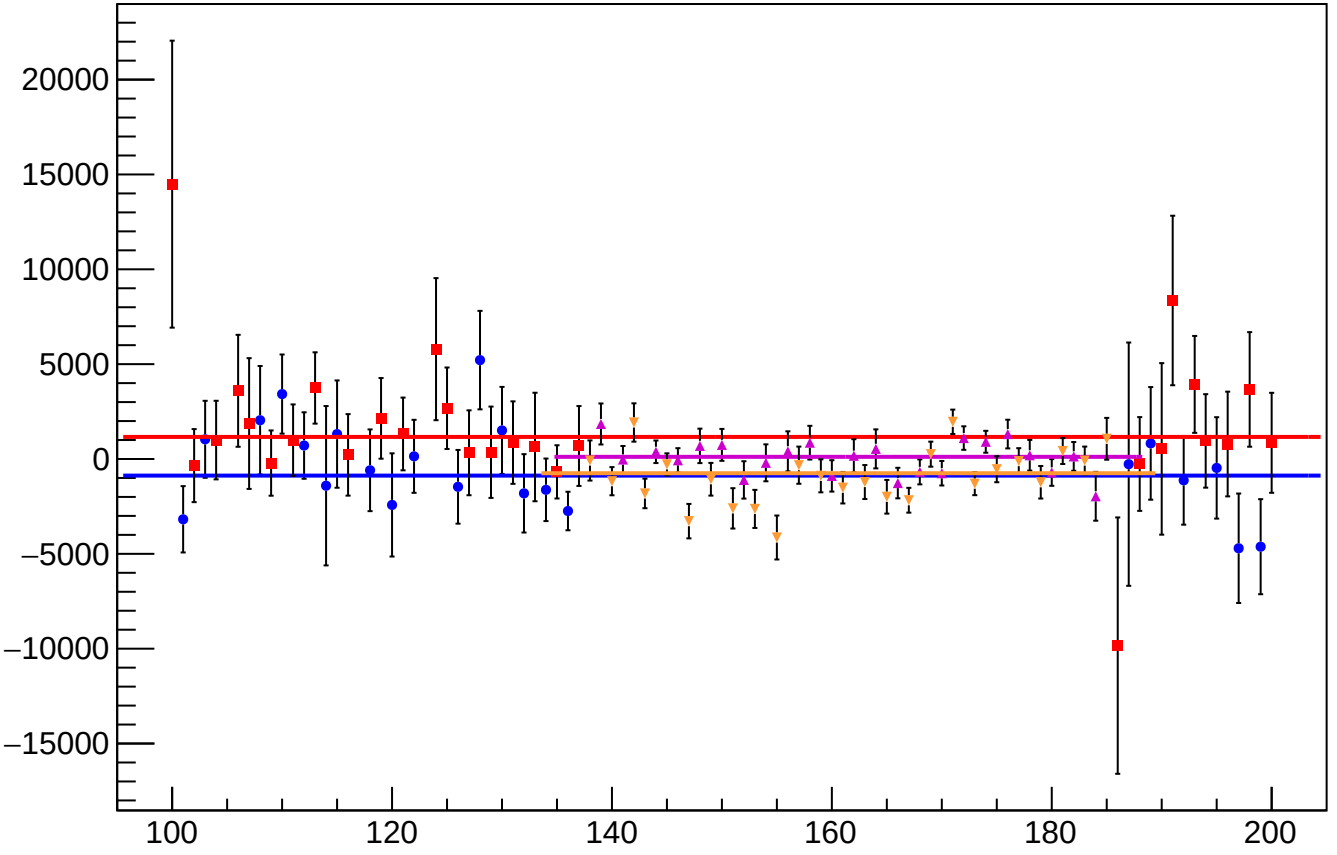
Right: 105.030+/-0.016 χ^2/NDF: 7127095.9/49

In: 83.259+/-0.011 χ^2/NDF:4354387.8/44

Out: 83.952+/-0.011 χ^2/NDF:6317468.8/52

All: 83.615+/-0.008 χ^2/NDF: 10673801.7/97

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -875.809+/-448.762 χ^2/NDF: 24.8/21

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

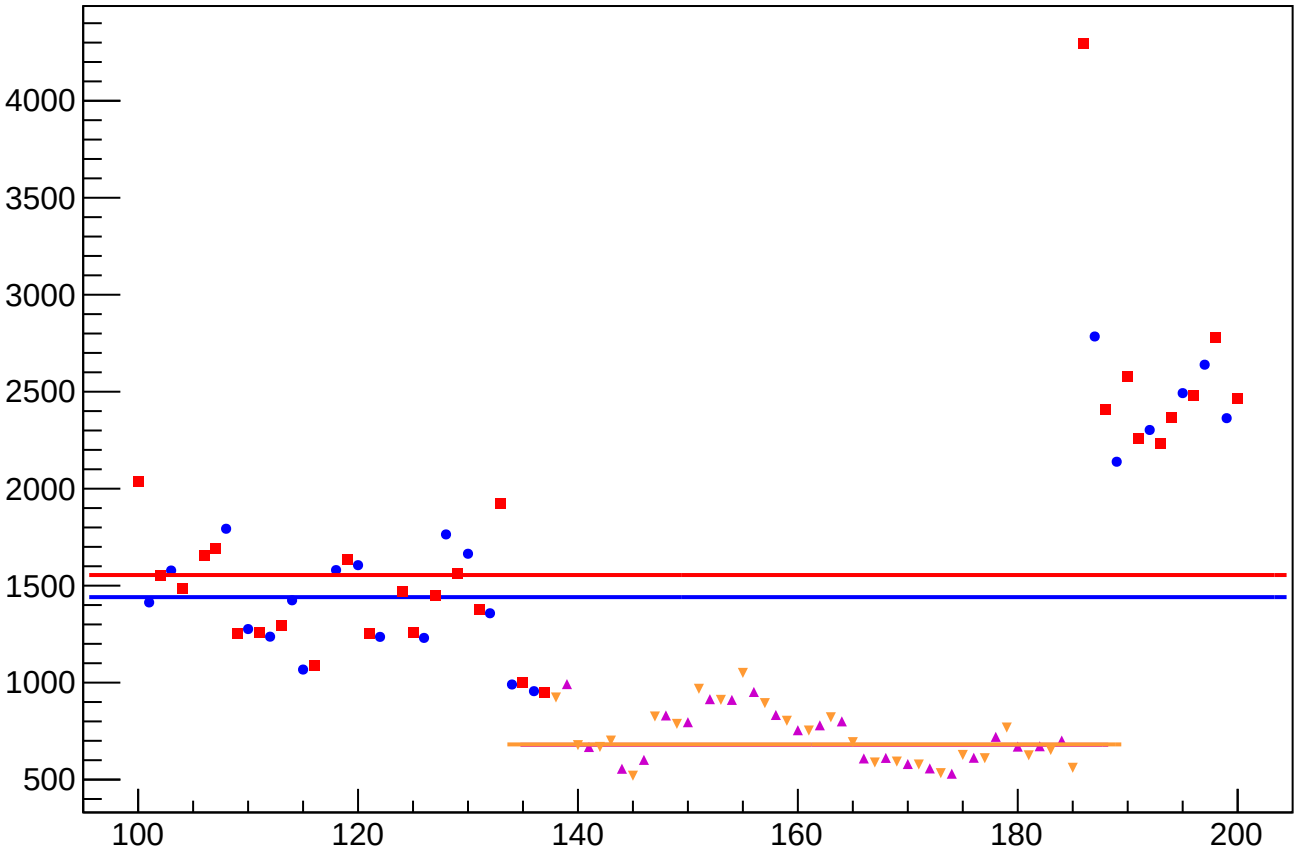
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 152.098+/-316.038 χ^2/NDF: 54.2/49

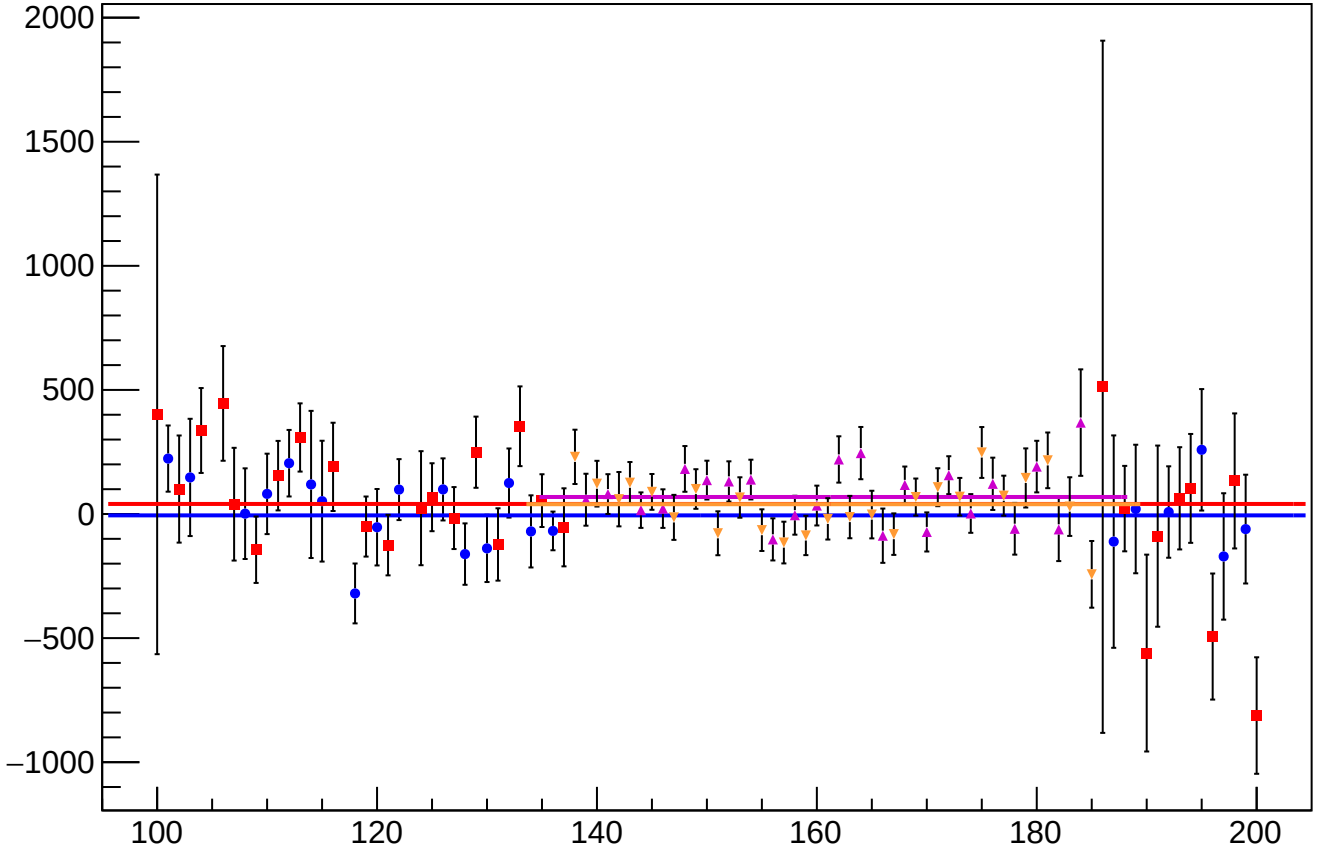
In: -0.056+/-152.217 χ^2/NDF:54.2/44

Out: -535.392+/-148.967 χ^2/NDF:105.4/52

All: -273.500+/-106.466 χ^2/NDF: 165.9/97


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: 1440.828+/-0.317 χ²/NDF: 2231012.1/21
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: 1498.253+/-0.223 χ²/NDF: 5043990.6/49
In: 767.015+/-0.108 χ²/NDF:8511446.7/44
Out: 779.228+/-0.105 χ²/NDF:10918076.1/52
All: 773.253+/-0.075 χ²/NDF: 19436098.6/97

cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

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

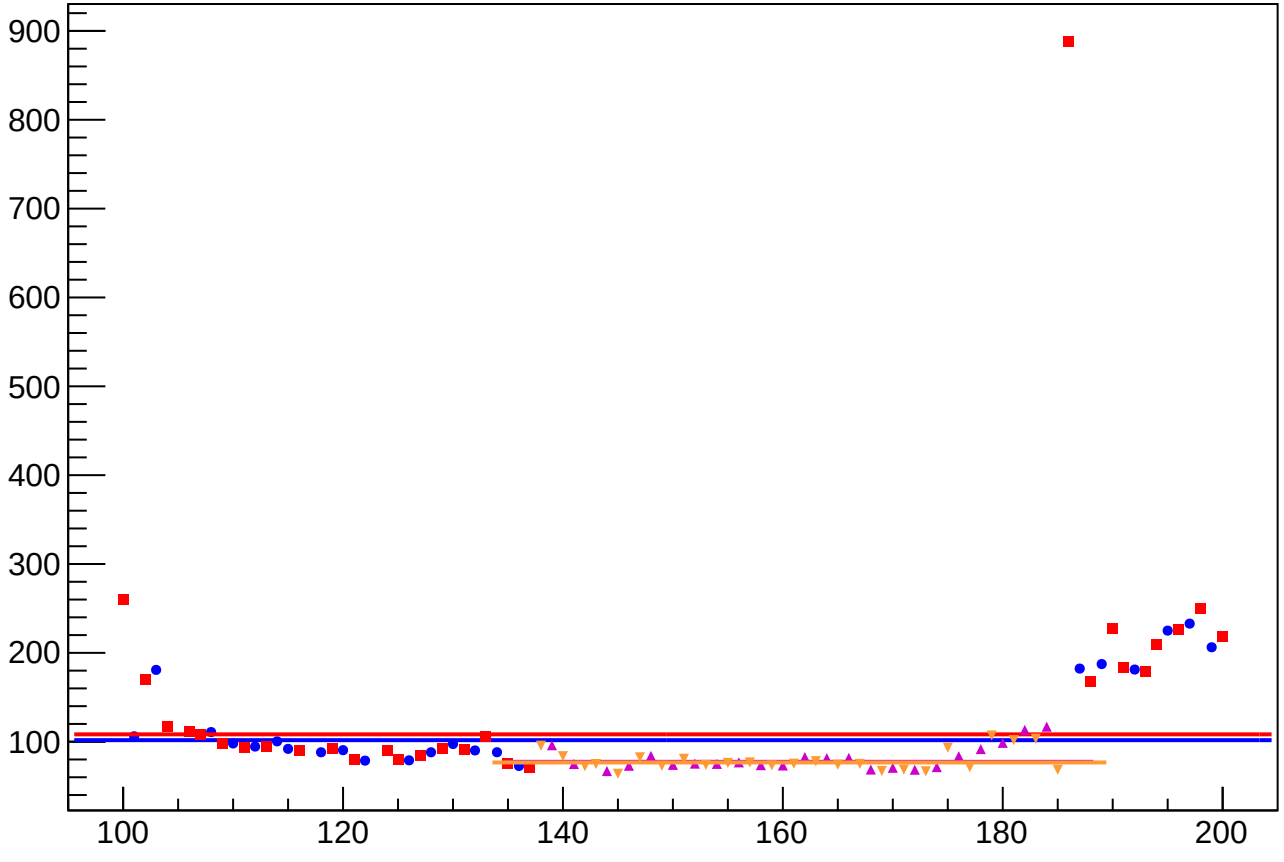
Right: 17.611+/-22.853 χ^2/NDF: 65.6/49

In: 50.657+/-15.944 χ^2/NDF:53.6/44

Out: 39.725+/-15.494 χ^2/NDF:75.9/52

All: 45.035+/-11.111 χ^2/NDF: 129.8/97

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

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

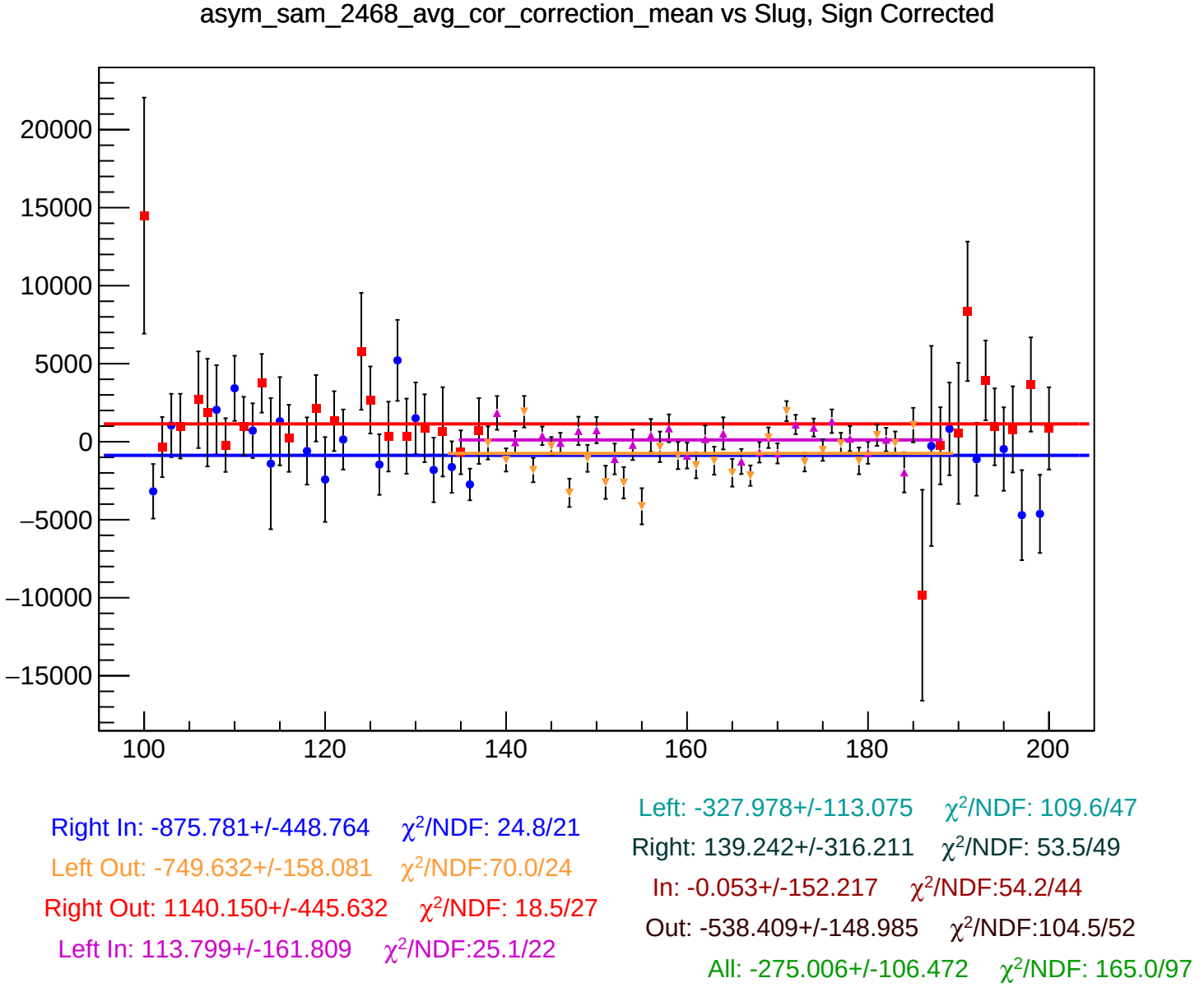
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

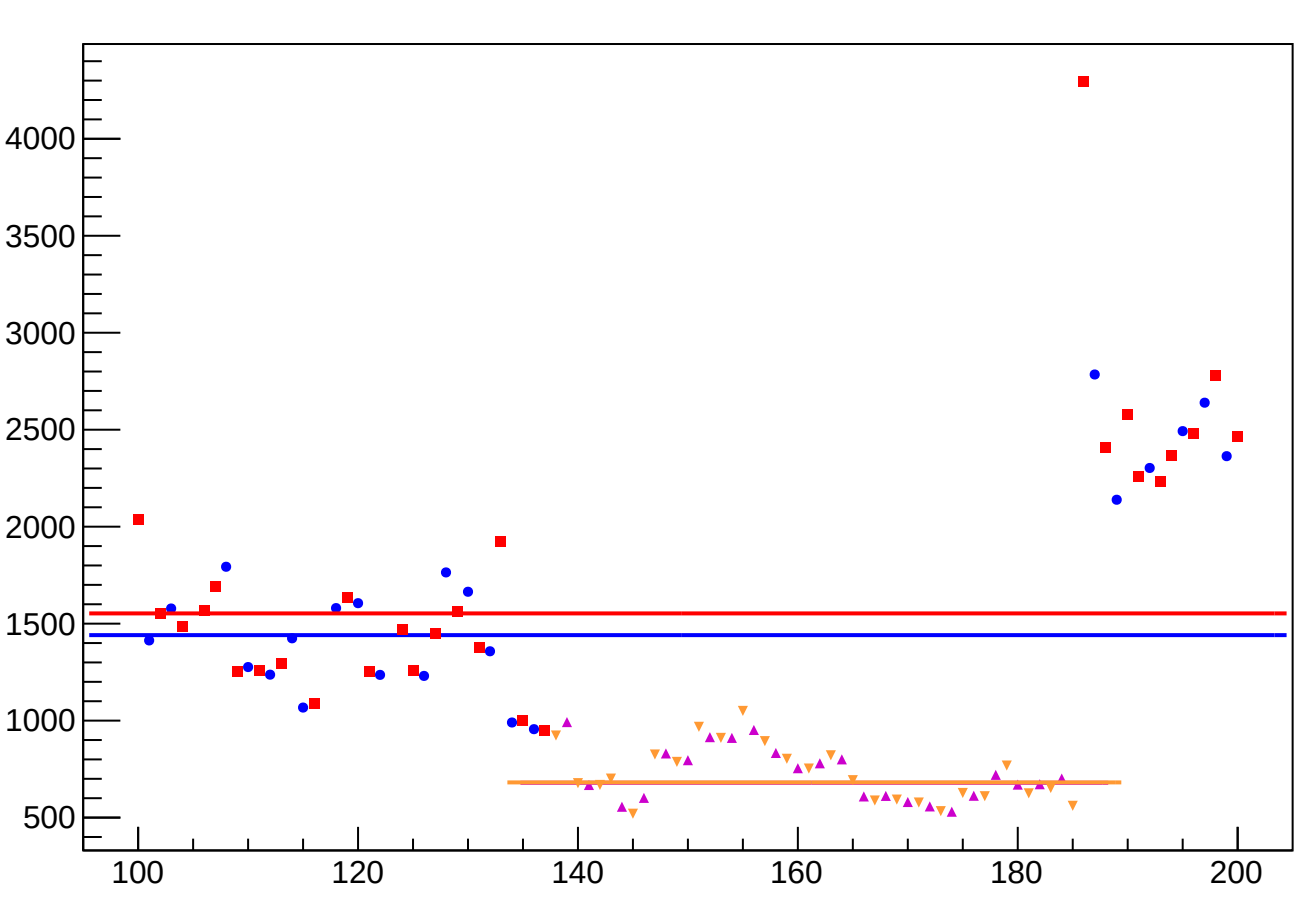
Right: 105.017+/-0.016 χ^2/NDF: 7126649.7/49

In: 83.259+/-0.011 χ^2/NDF:4354391.4/44

Out: 83.945+/-0.011 χ^2/NDF:6314834.3/52

All: 83.612+/-0.008 χ^2/NDF: 10671134.7/97


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: -875.781+/-448.764 χ²/NDF: 24.8/21
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: 139.242+/-316.211 χ²/NDF: 53.5/49
In: -0.053+/-152.217 χ²/NDF:54.2/44
Out: -538.409+/-148.985 χ²/NDF:104.5/52
All: -275.006+/-106.472 χ²/NDF: 165.0/97



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

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

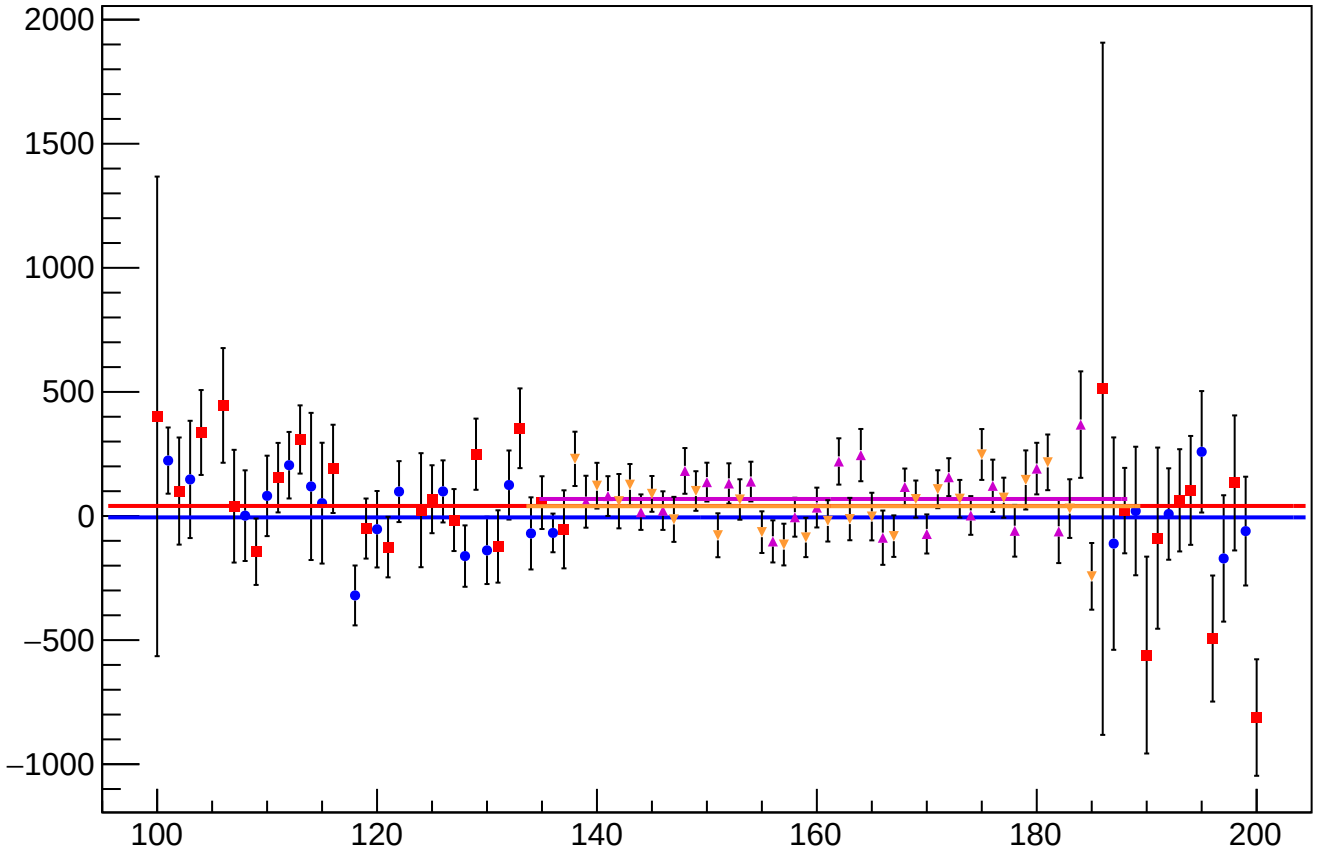
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1497.214+/-0.224 χ^2/NDF: 5039421.6/49

In: 767.015+/-0.108 χ^2/NDF:8511480.2/44

Out: 778.822+/-0.105 χ^2/NDF:10872300.9/52

All: 773.046+/-0.075 χ^2/NDF: 19389926.8/97



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

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

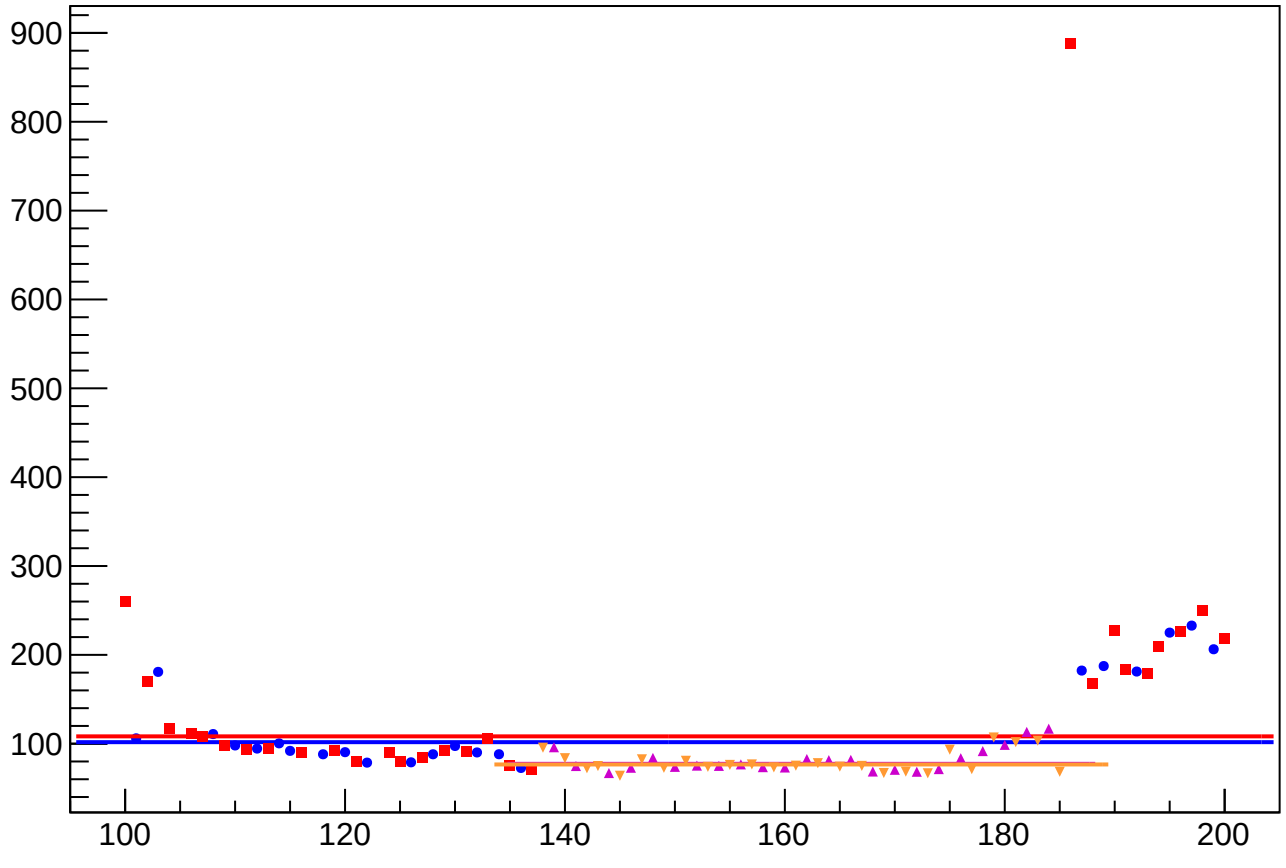
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 17.611+/-22.853 χ^2/NDF: 65.6/49

In: 50.657+/-15.944 χ^2/NDF:53.6/44

Out: 39.725+/-15.494 χ^2/NDF:75.9/52

All: 45.035+/-11.111 χ^2/NDF: 129.8/97



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

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

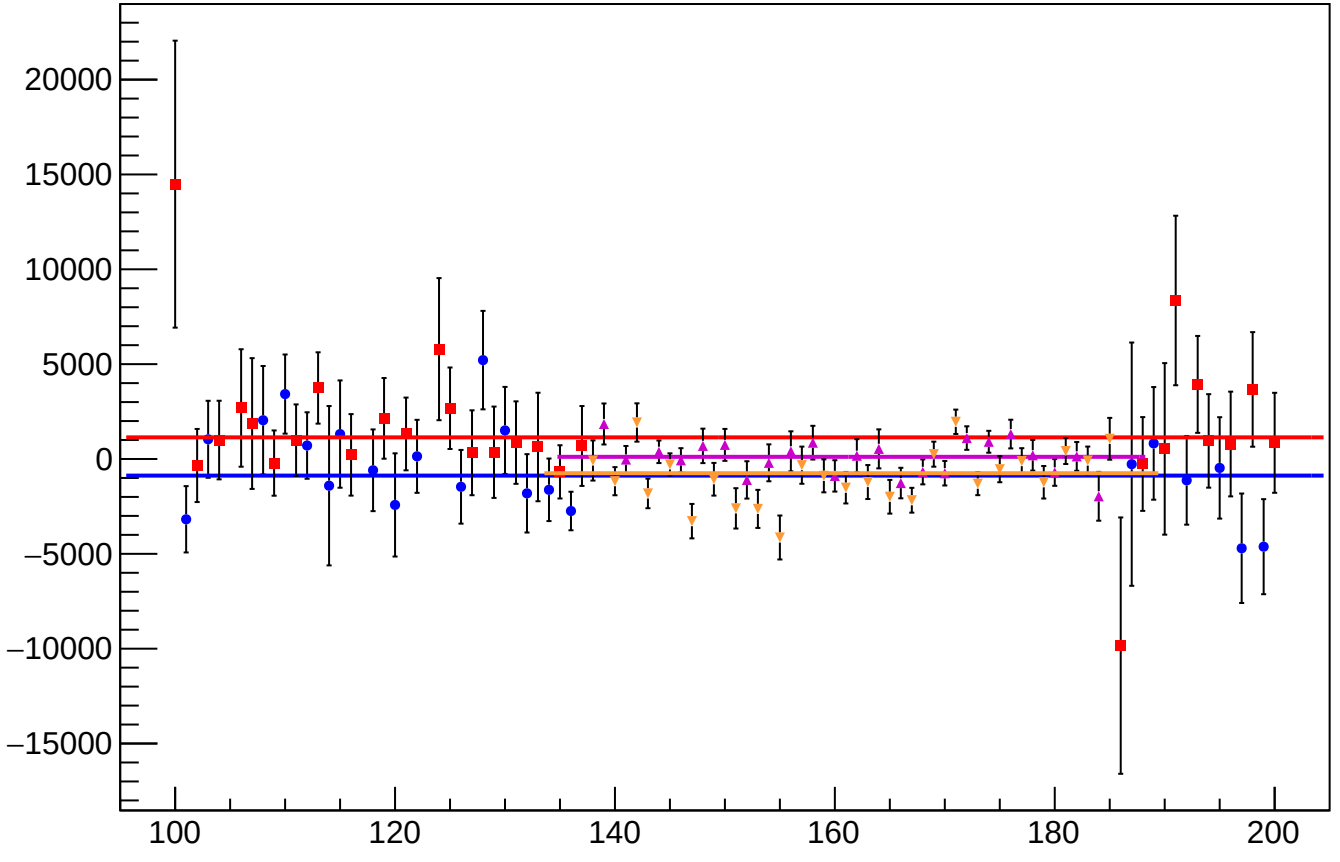
Right: 105.017+/-0.016 χ^2/NDF: 7126649.7/49

In: 83.259+/-0.011 χ^2/NDF:4354391.4/44

Out: 83.945+/-0.011 χ^2/NDF:6314834.3/52

All: 83.612+/-0.008 χ^2/NDF: 10671134.7/97

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -875.781+/-448.764 χ^2/NDF: 24.8/21

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1140.150+/-445.632 χ^2/NDF: 18.5/27

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

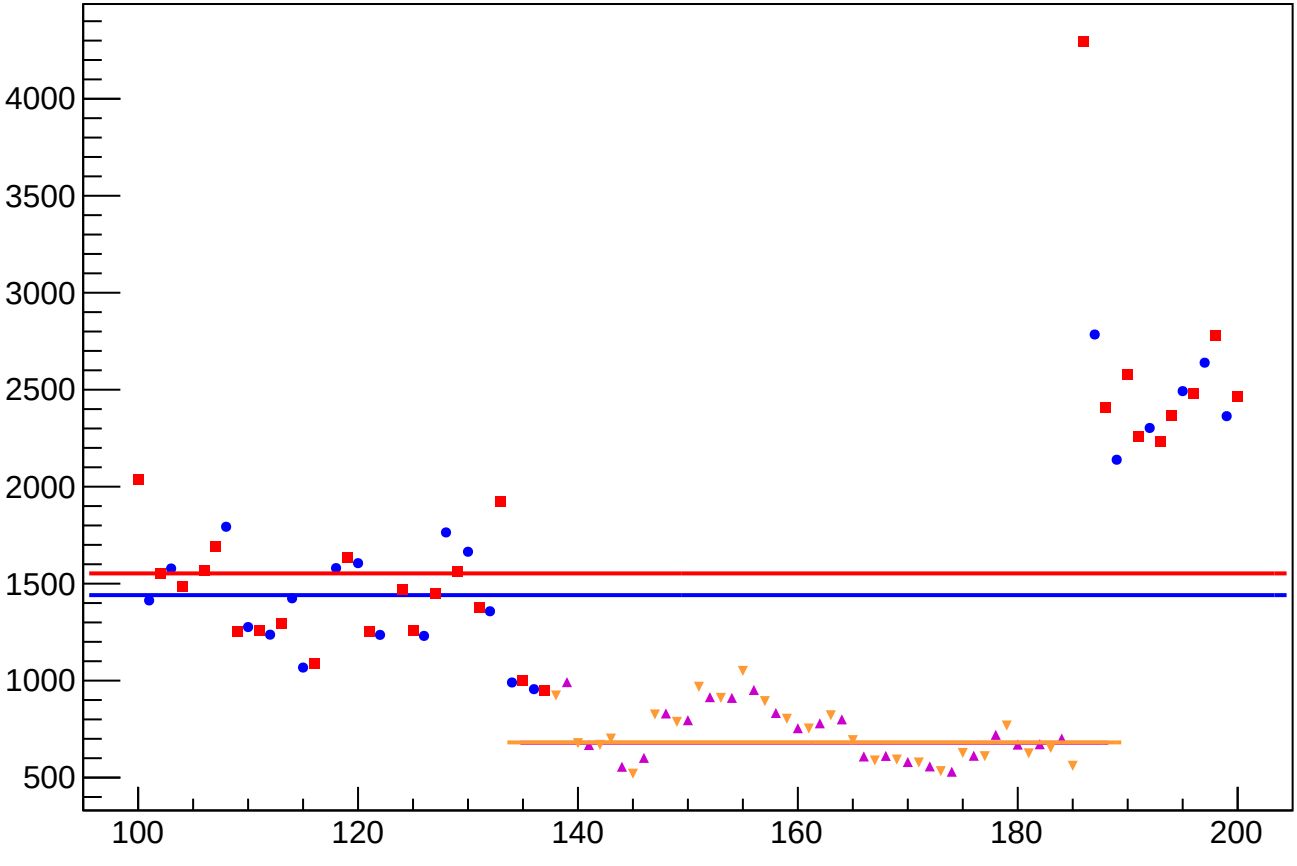
Right: 139.242+/-316.211 χ^2/NDF: 53.5/49

In: -0.053+/-152.217 χ^2/NDF:54.2/44

Out: -538.409+/-148.985 χ^2/NDF:104.5/52

All: -275.006+/-106.472 χ^2/NDF: 165.0/97

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

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

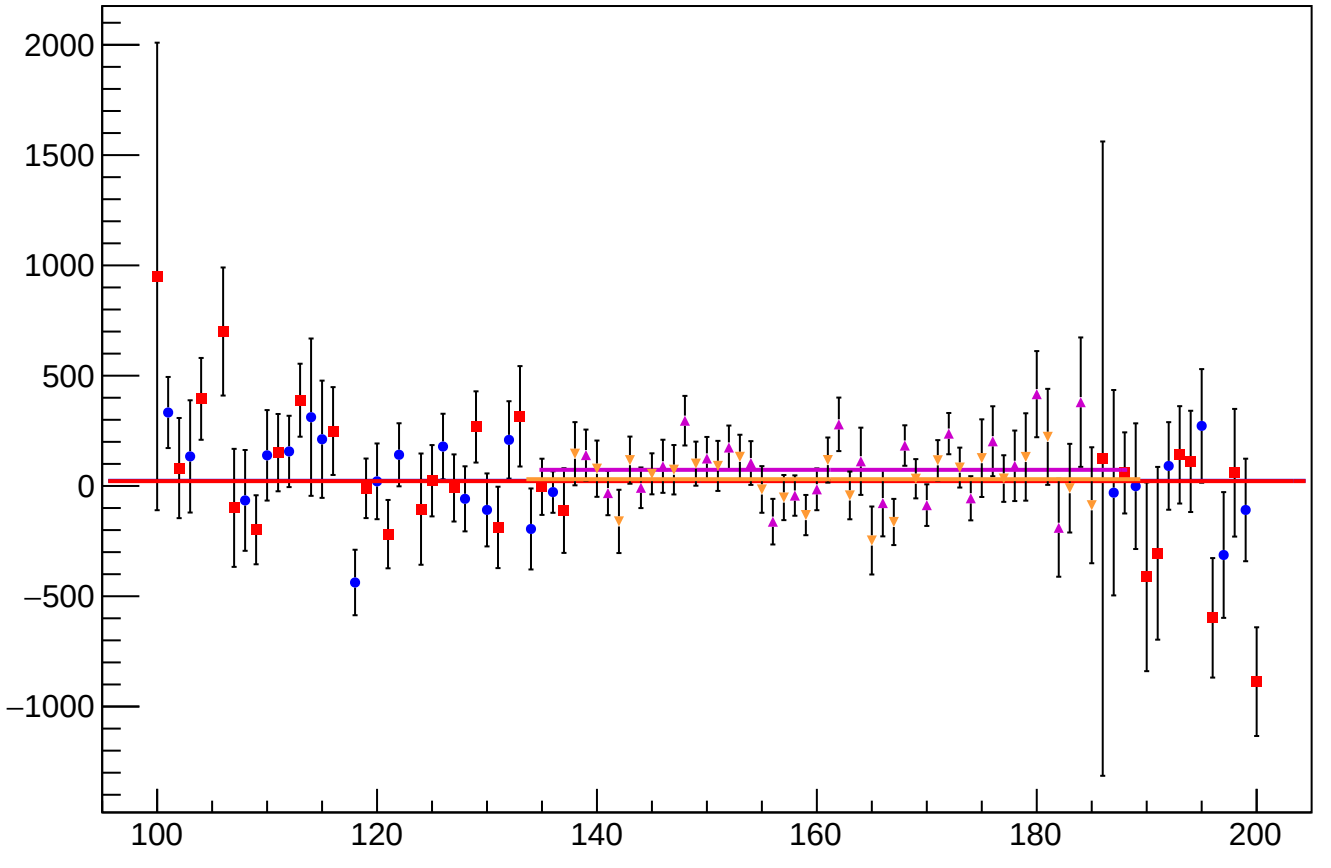
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1497.214+/-0.224 χ^2/NDF: 5039421.6/49

In: 767.015+/-0.108 χ^2/NDF:8511480.2/44

Out: 778.822+/-0.105 χ^2/NDF:10872300.9/52

All: 773.046+/-0.075 χ^2/NDF: 19389926.8/97



Right In: 23.405+/-38.440 χ^2/NDF: 24.2/21

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

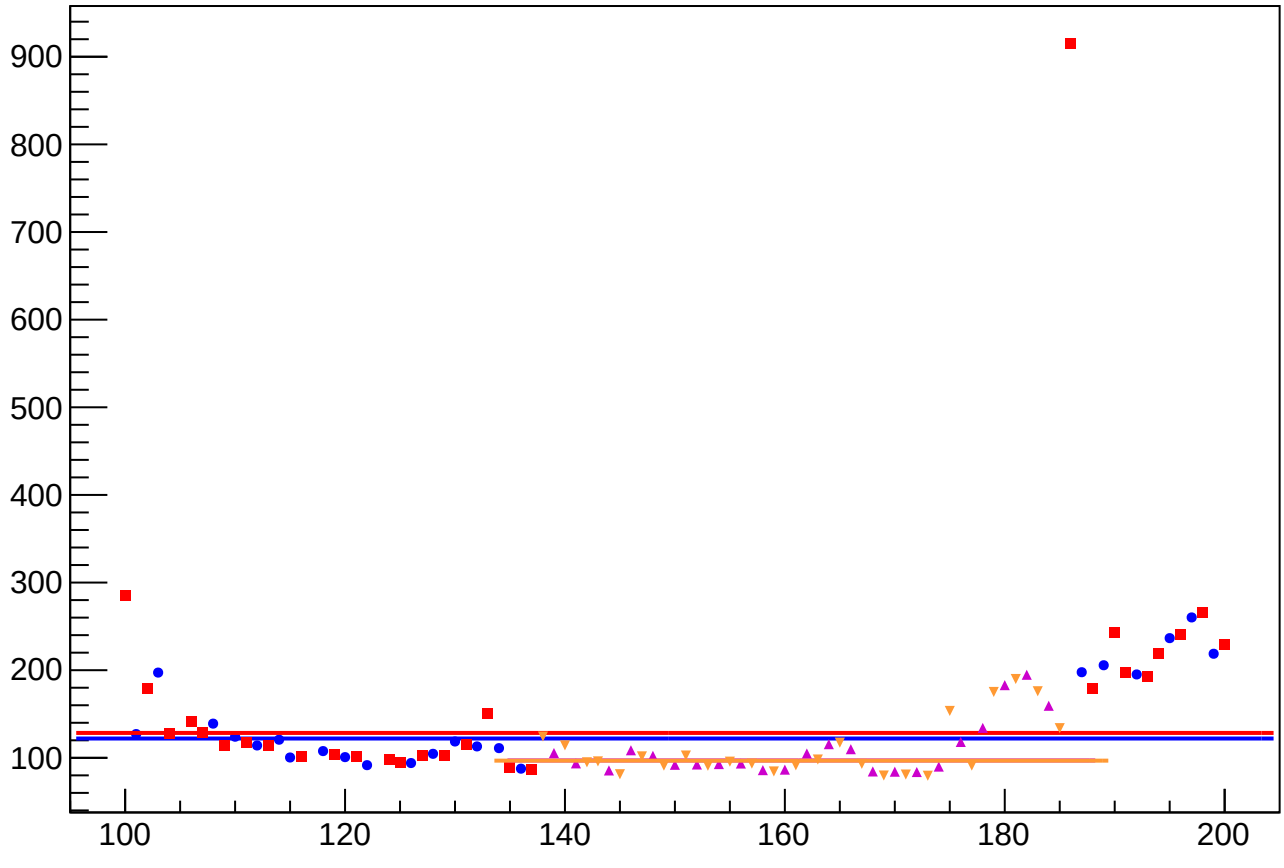
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 22.634+/-26.917 χ^2/NDF: 73.1/49

In: 59.606+/-20.057 χ^2/NDF:59.9/44

Out: 28.322+/-19.545 χ^2/NDF:68.9/52

All: 43.560+/-13.998 χ^2/NDF: 130.0/97



Right In: 122.040+/-0.027 χ^2/NDF: 2434077.6/21

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

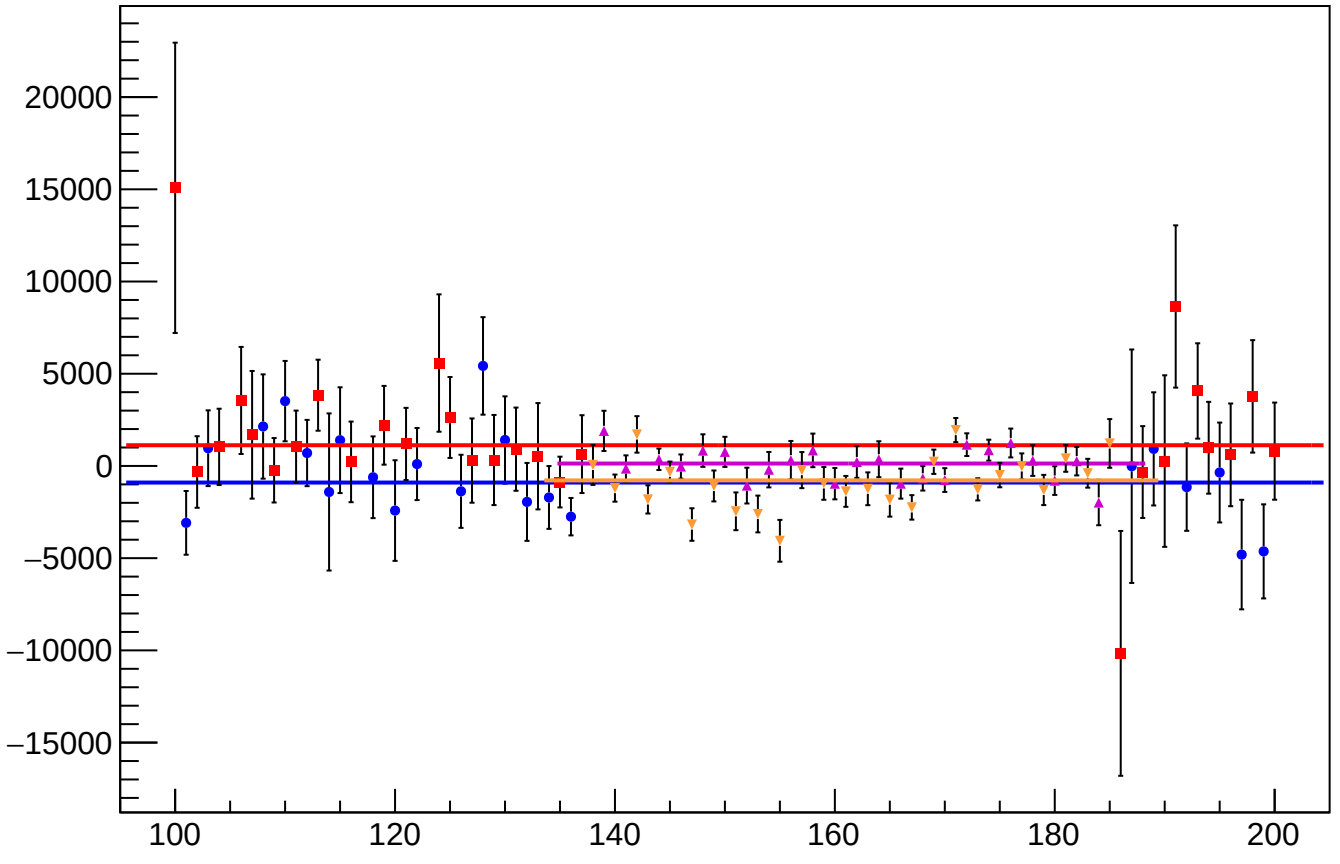
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

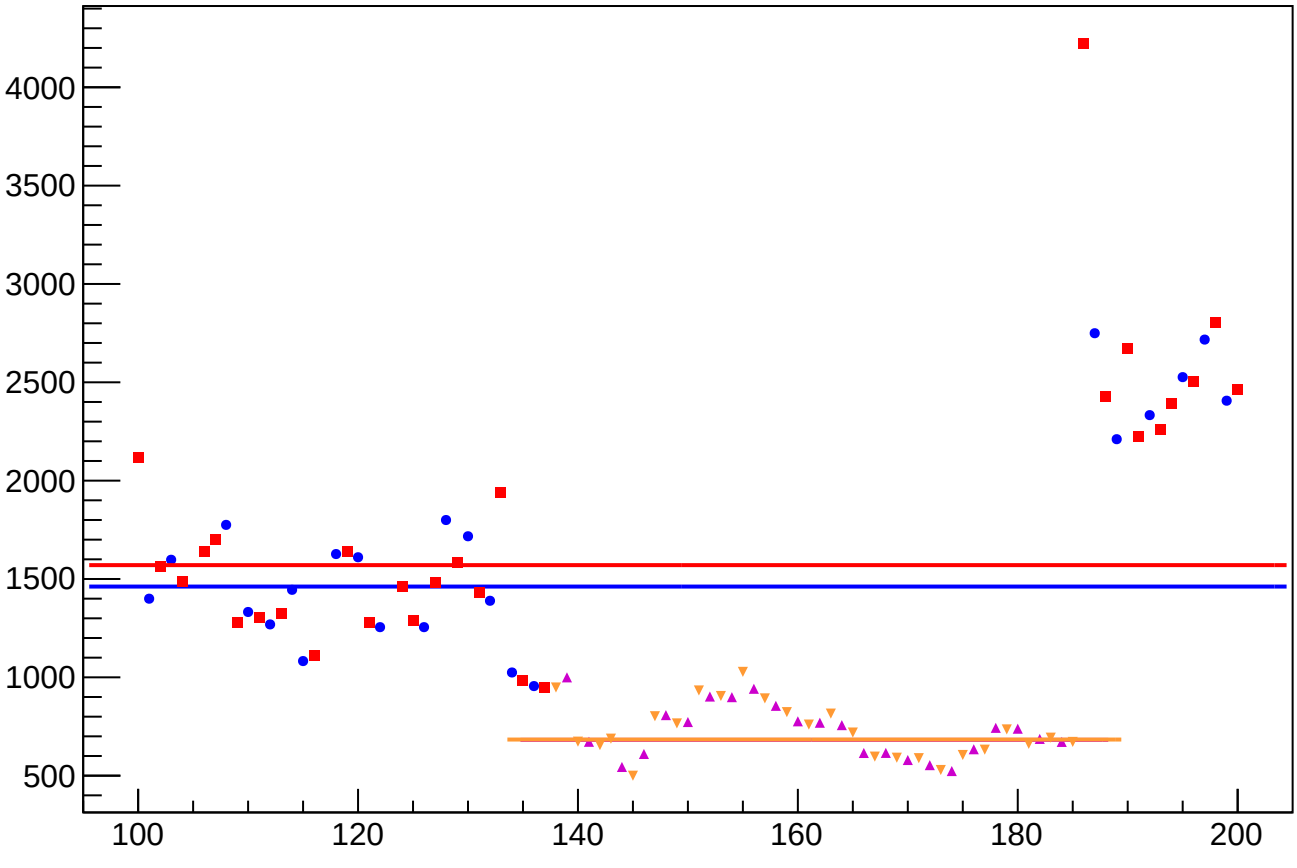
Right: 125.289+/-0.019 χ^2/NDF: 5925639.8/49

In: 103.829+/-0.014 χ^2/NDF:4372056.0/44

Out: 105.291+/-0.014 χ^2/NDF:6212566.1/52

All: 104.579+/-0.010 χ^2/NDF: 10590076.2/97


asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -900.227+/-455.346 χ²/NDF: 24.5/21
Left Out: -783.756+/-158.329 χ²/NDF:66.3/24
Right Out: 1123.195+/-449.384 χ²/NDF: 20.1/27
Left In: 131.380+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.371 χ²/NDF: 106.9/47
Right: 124.818+/-319.849 χ²/NDF: 54.6/49
In: 14.955+/-152.971 χ²/NDF:53.4/44
Out: -573.181+/-149.331 χ²/NDF:102.5/52
All: -286.192+/-106.857 χ²/NDF: 163.4/97



Right In: 1461.504+/-0.322 χ^2/NDF: 2263432.8/21

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

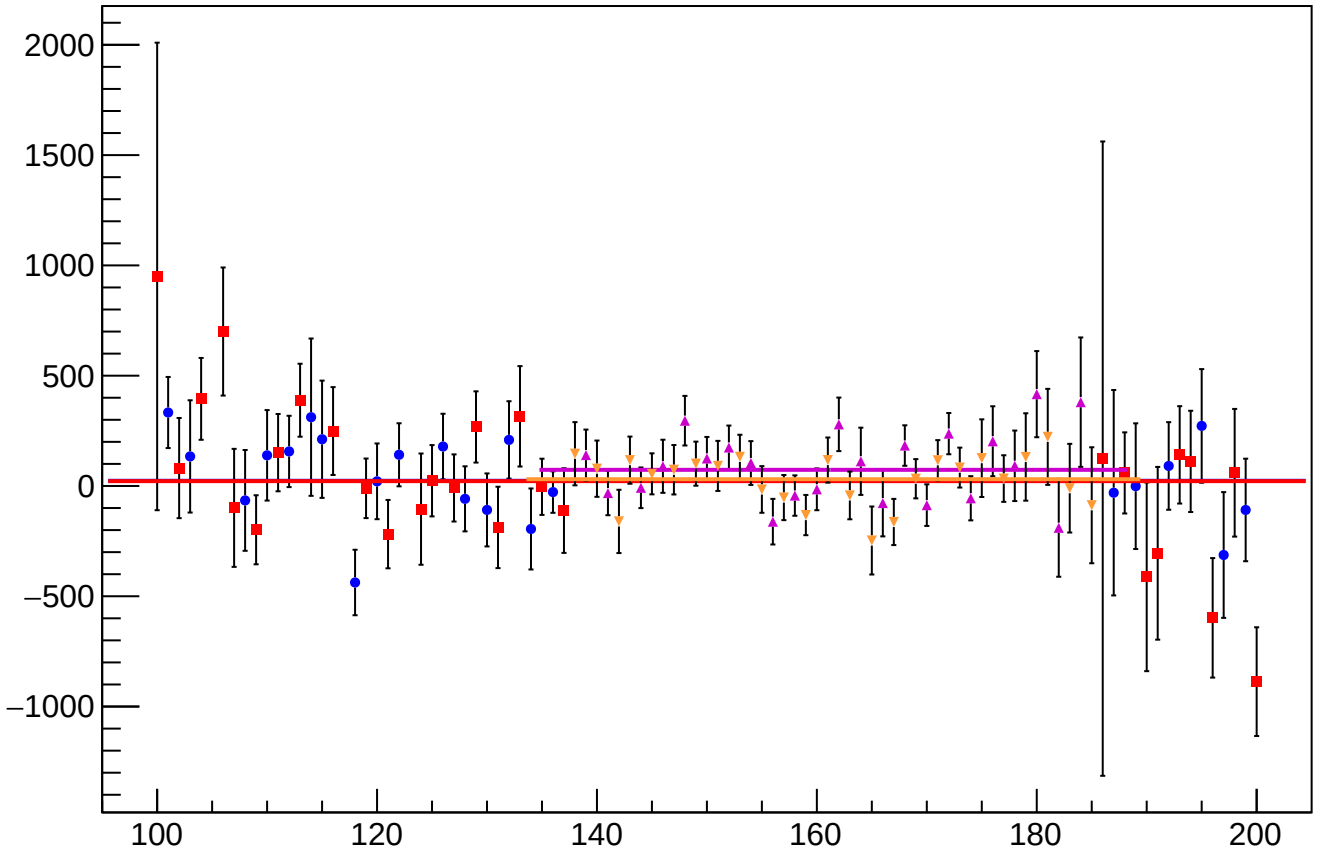
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1516.702+/-0.226 χ^2/NDF: 5073145.4/49

In: 769.939+/-0.108 χ^2/NDF:8649764.0/44

Out: 781.619+/-0.106 χ^2/NDF:10977492.1/52

All: 775.920+/-0.076 χ^2/NDF: 19633226.4/97



Right In: 23.406+/-38.440 χ^2/NDF: 24.2/21

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

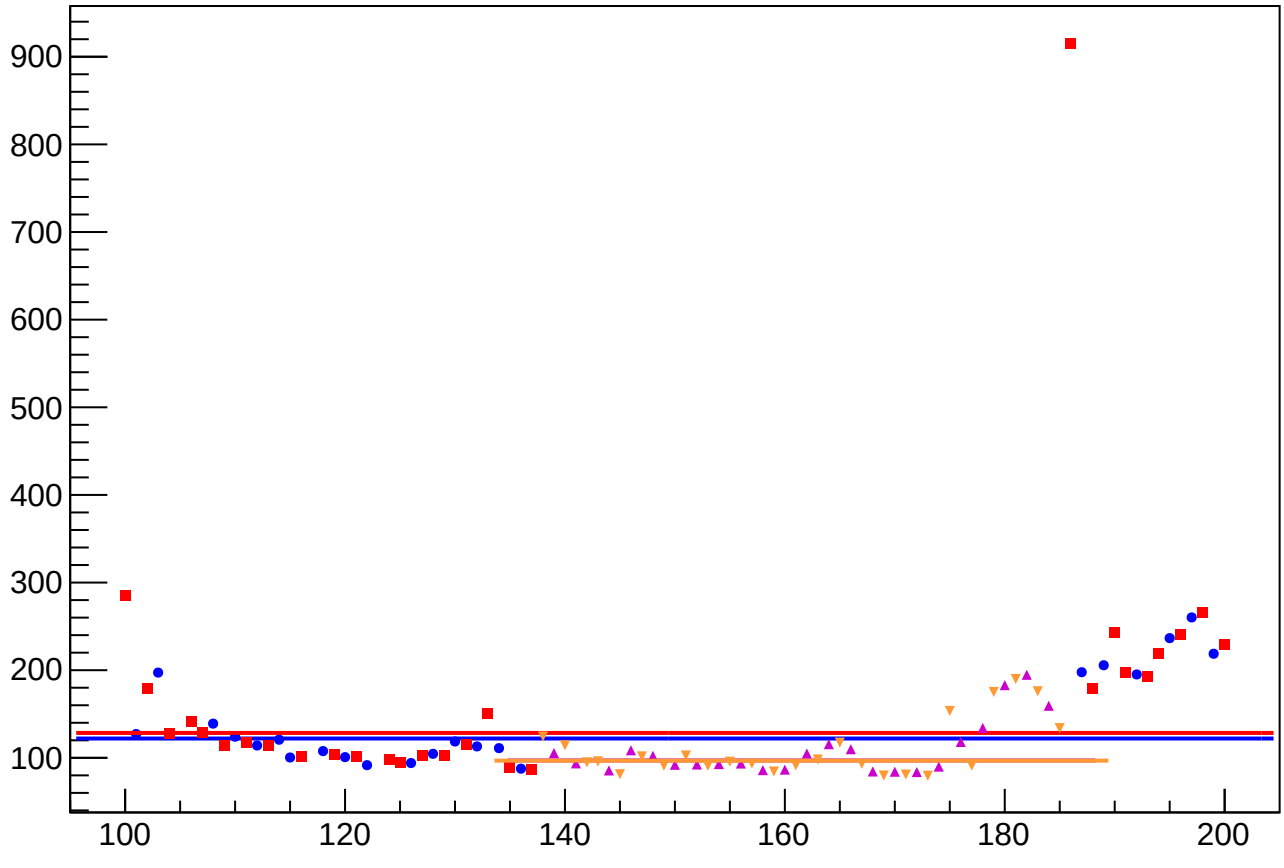
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 22.634+/-26.917 χ^2/NDF: 73.1/49

In: 59.605+/-20.057 χ^2/NDF:59.9/44

Out: 28.322+/-19.545 χ^2/NDF:68.9/52

All: 43.560+/-13.998 χ^2/NDF: 130.0/97



Right In: 122.039+/-0.027 χ^2/NDF: 2434087.1/21

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

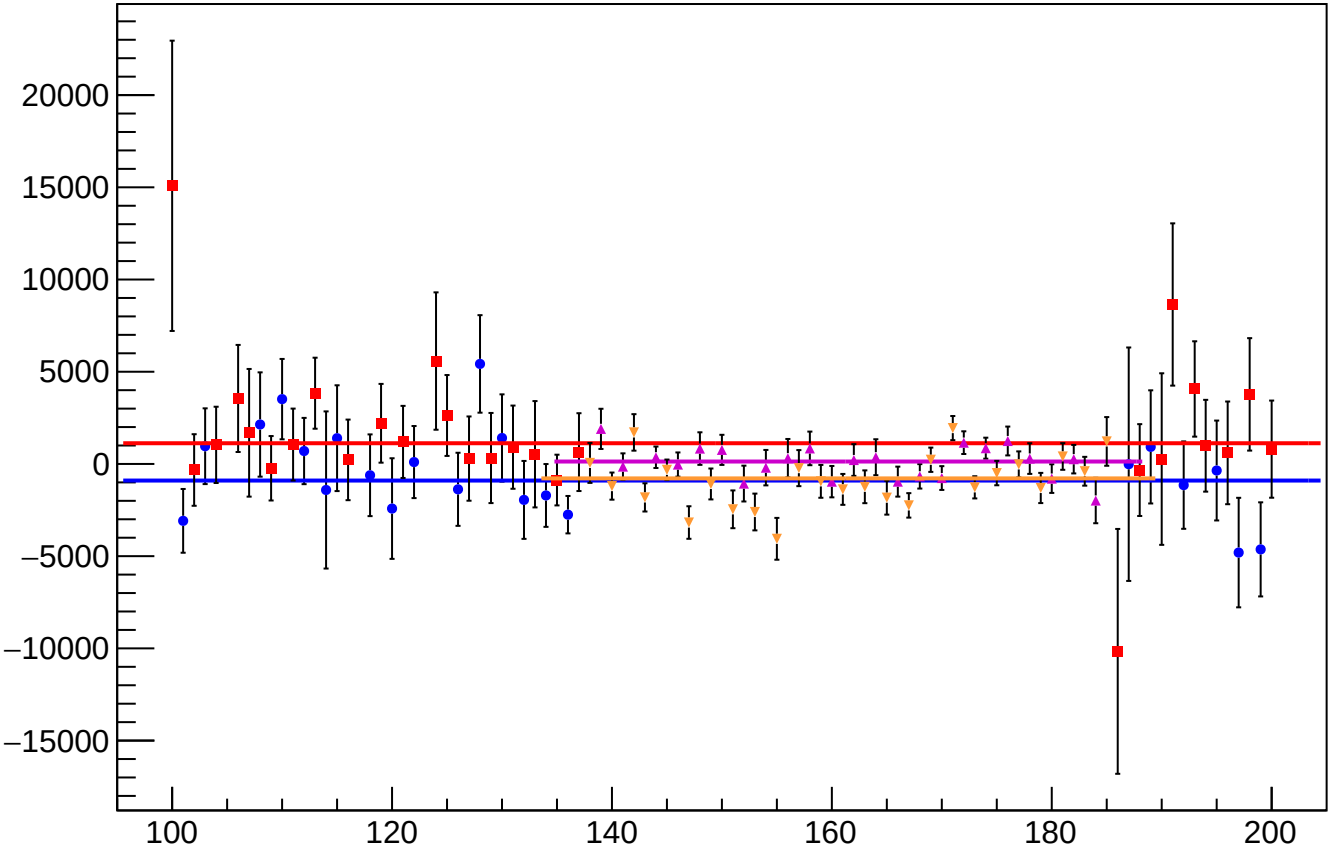
Right: 125.288+/-0.019 χ^2/NDF: 5925675.4/49

In: 103.829+/-0.014 χ^2/NDF:4371997.7/44

Out: 105.291+/-0.014 χ^2/NDF:6212531.1/52

All: 104.579+/-0.010 χ^2/NDF: 10589983.2/97

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -900.221+/-455.345 χ^2/NDF: 24.5/21

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

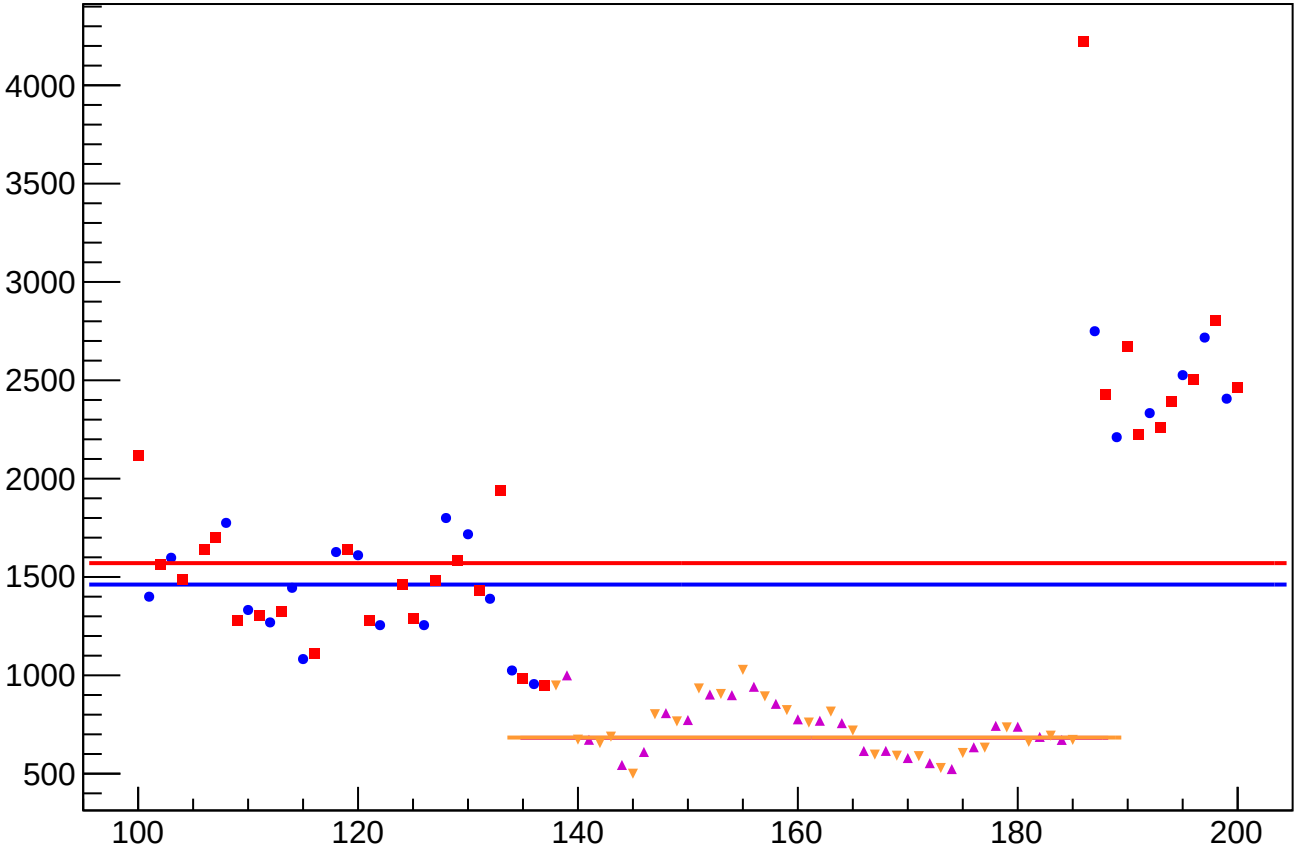
Right: 124.820+/-319.849 χ^2/NDF: 54.6/49

In: 14.955+/-152.970 χ^2/NDF:53.4/44

Out: -573.179+/-149.331 χ^2/NDF:102.5/52

All: -286.191+/-106.856 χ^2/NDF: 163.4/97

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1461.501+/-0.322 χ^2/NDF: 2263436.6/21

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

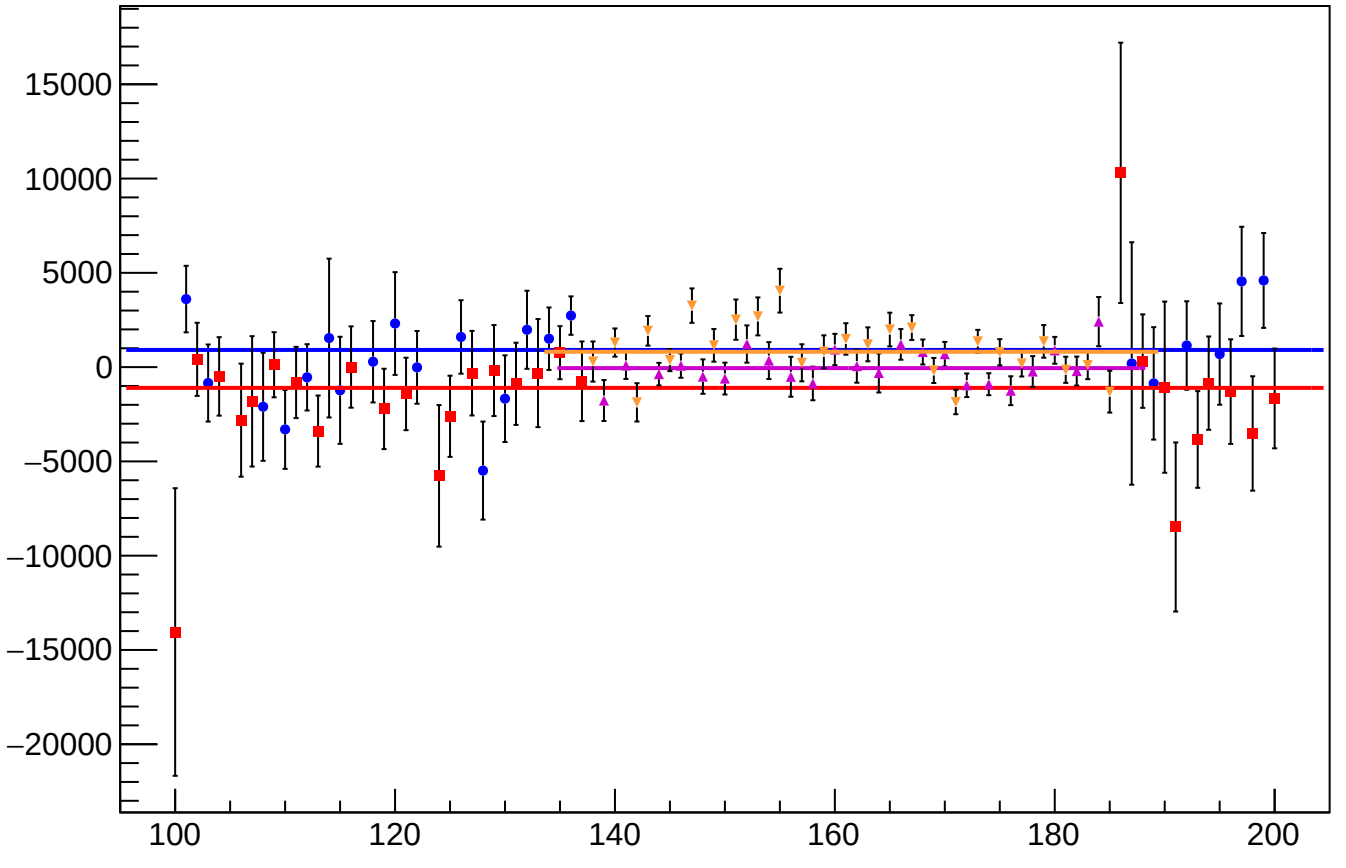
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1516.699+/-0.226 χ^2/NDF: 5073156.8/49

In: 769.937+/-0.108 χ^2/NDF:8649768.9/44

Out: 781.617+/-0.106 χ^2/NDF:10977503.6/52

All: 775.918+/-0.076 χ^2/NDF: 19633242.8/97



Right In: 910.922+/-450.400 χ^2/NDF: 25.2/21

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

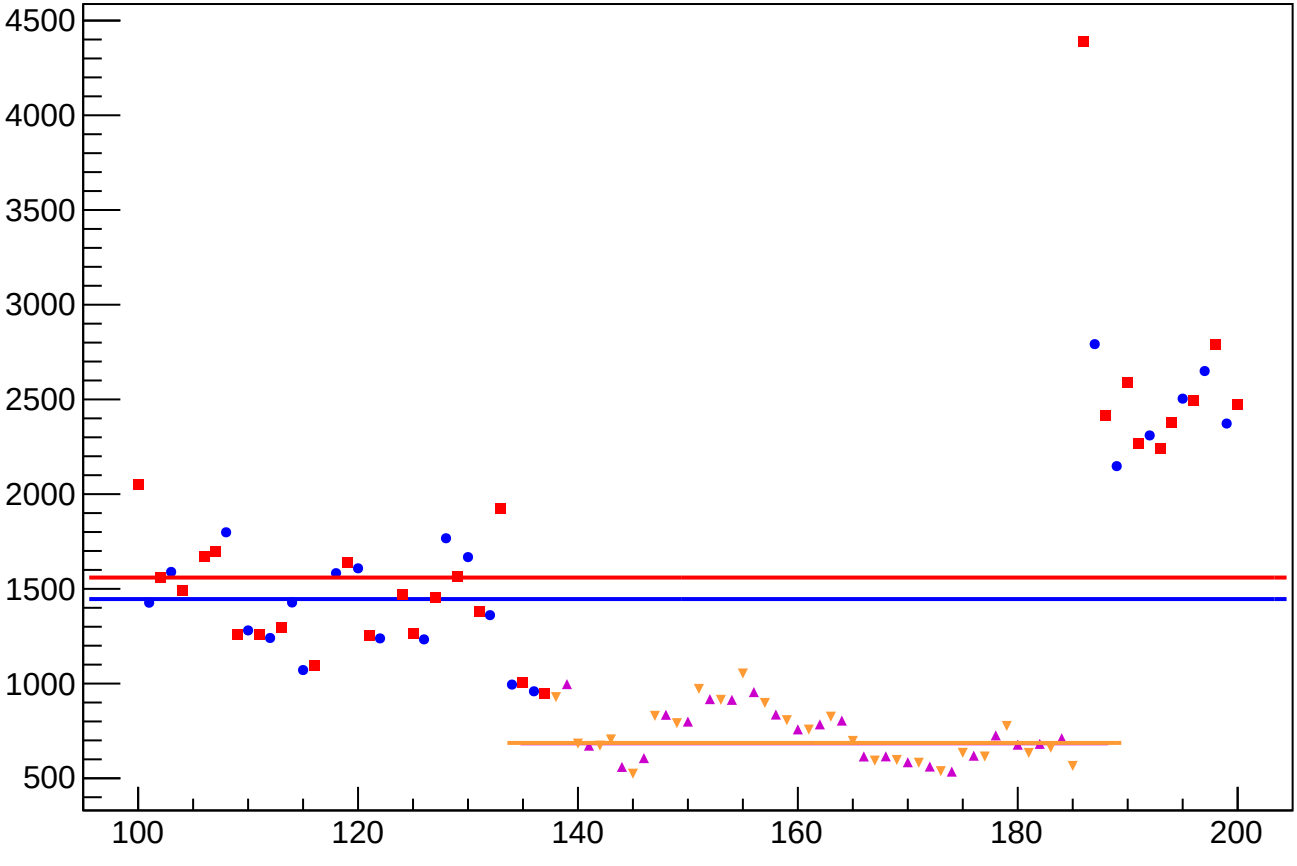
Right: -103.155+/-317.180 χ^2/NDF: 53.6/49

In: 59.298+/-153.301 χ^2/NDF:54.7/44

Out: 598.160+/-150.009 χ^2/NDF:100.4/52

All: 334.577+/-107.218 χ^2/NDF: 161.3/97

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1446.097+/-0.318 χ^2/NDF: 2231968.2/21

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

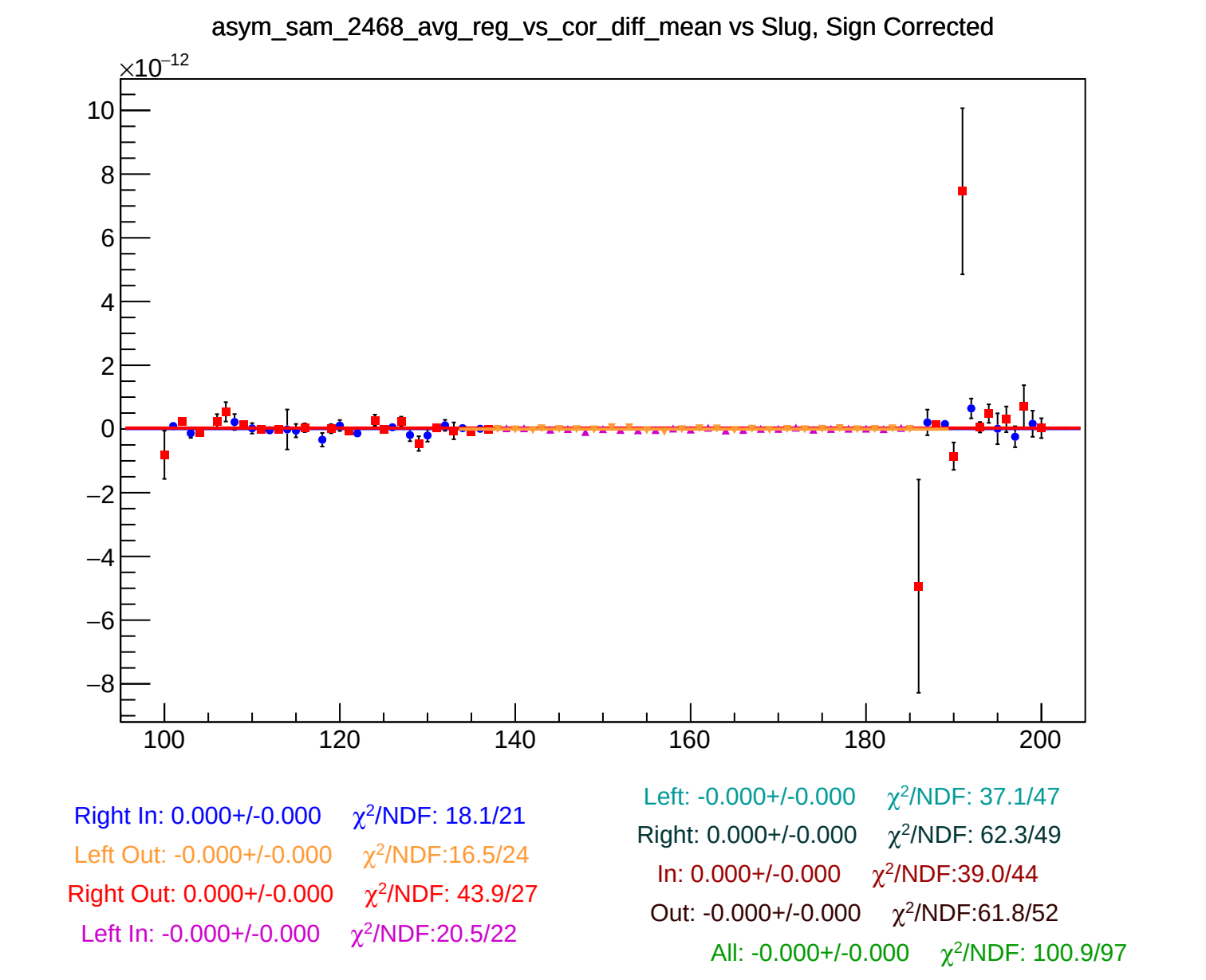
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

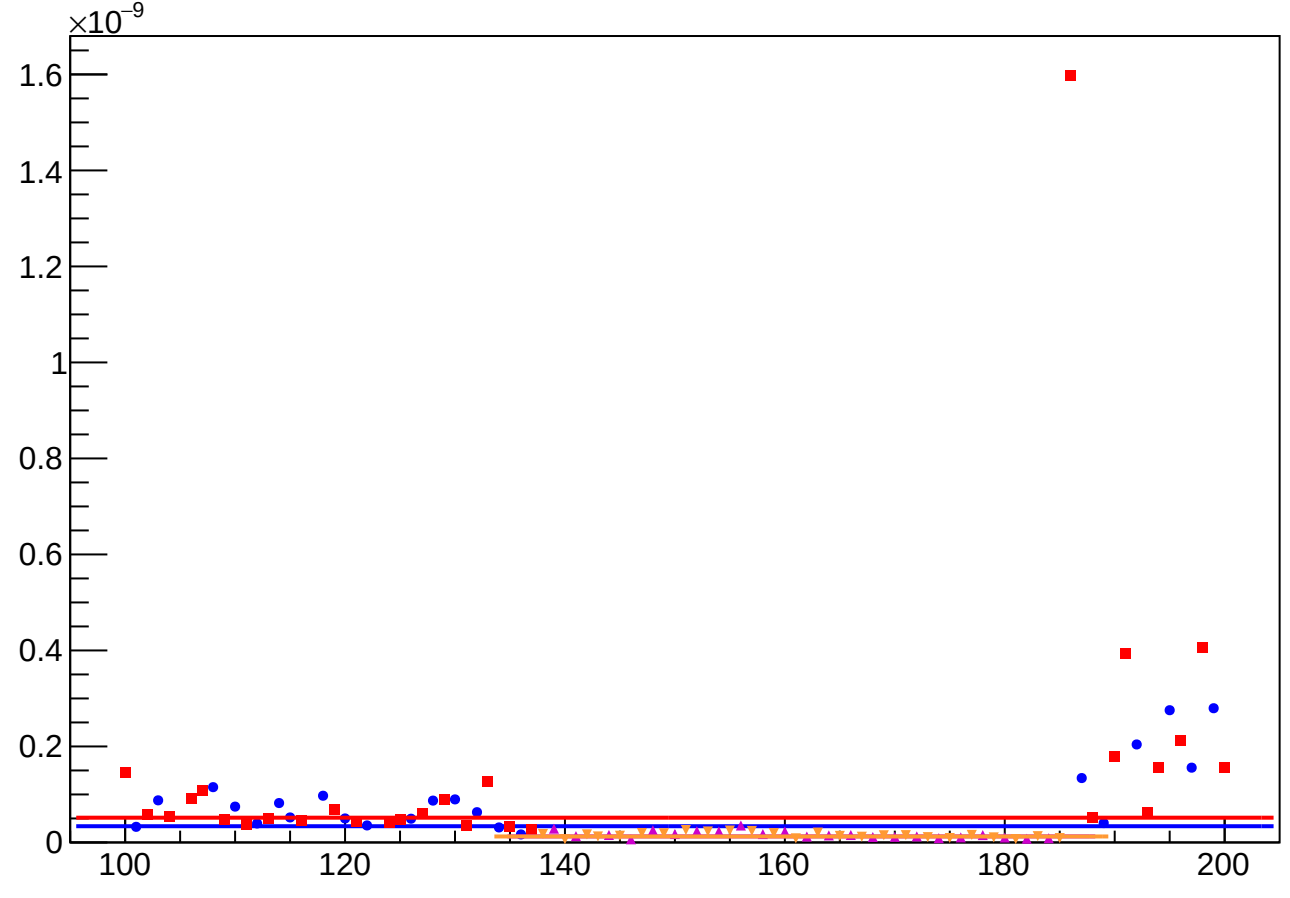
Right: 1503.344+/-0.224 χ^2/NDF: 5056119.8/49

In: 772.964+/-0.108 χ^2/NDF:8449703.4/44

Out: 785.128+/-0.106 χ^2/NDF:10847992.9/52

All: 779.178+/-0.076 χ^2/NDF: 19304129.4/97


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: 18.1/21
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: 62.3/49
In: 0.000+/-0.000 χ²/NDF:39.0/44
Out: -0.000+/-0.000 χ²/NDF:61.8/52
All: -0.000+/-0.000 χ²/NDF: 100.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 4170998.0/21

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

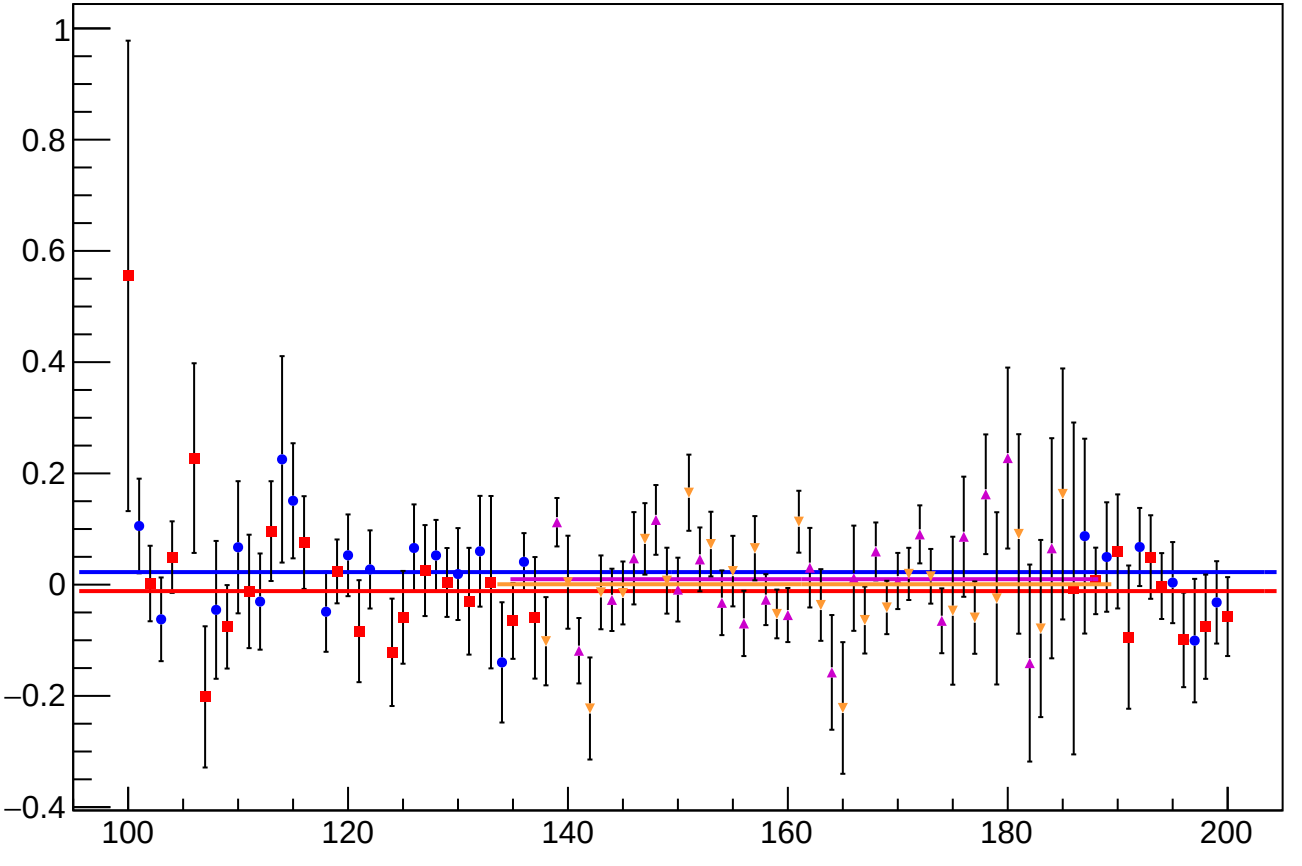
Right: 0.000+/-0.000 χ^2/NDF: 7491685.4/49

In: 0.000+/-0.000 χ^2/NDF:8029435.7/44

Out: 0.000+/-0.000 χ^2/NDF:8641546.1/52

All: 0.000+/-0.000 χ^2/NDF: 16671005.8/97

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

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

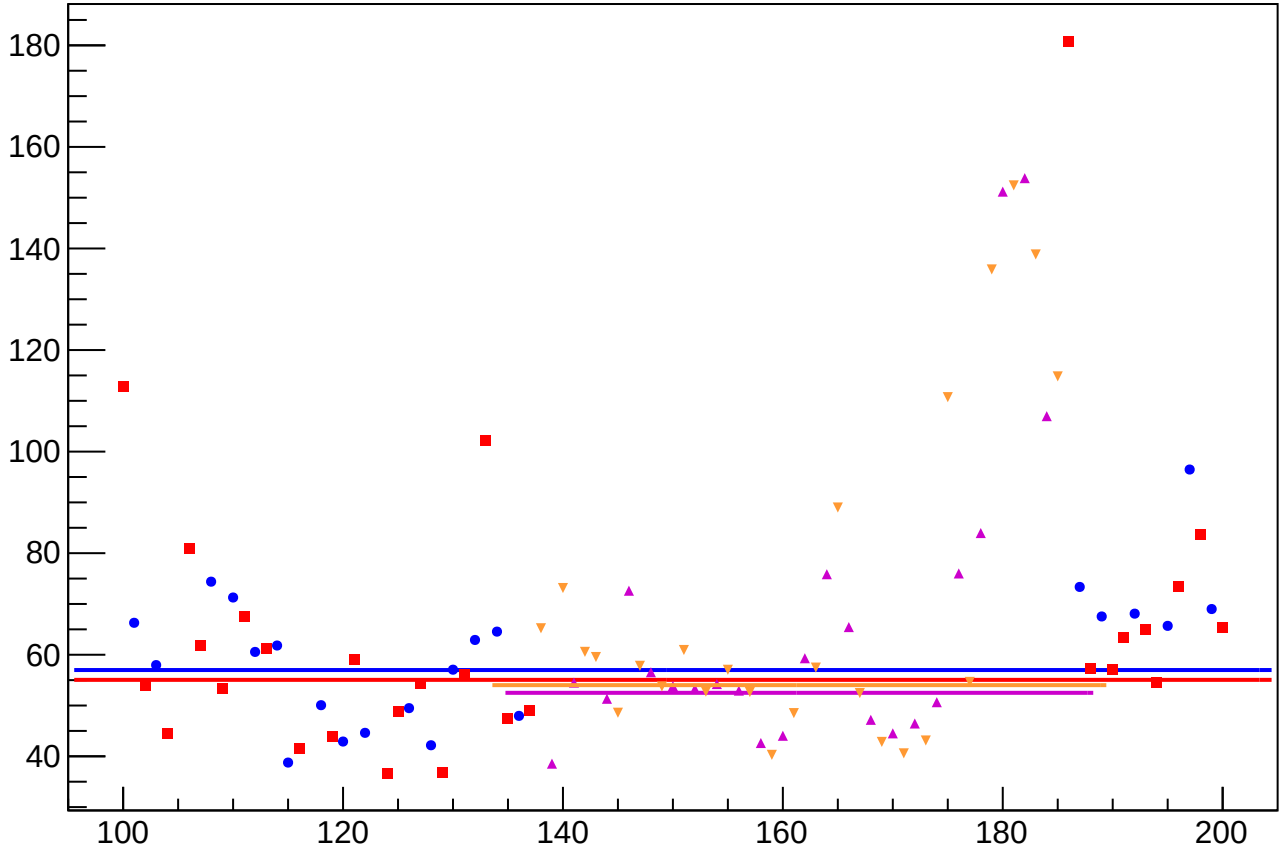
Right: 0.004+/-0.012 χ^2/NDF: 32.1/49

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.005+/-0.007 χ^2/NDF: 95.9/97

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

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

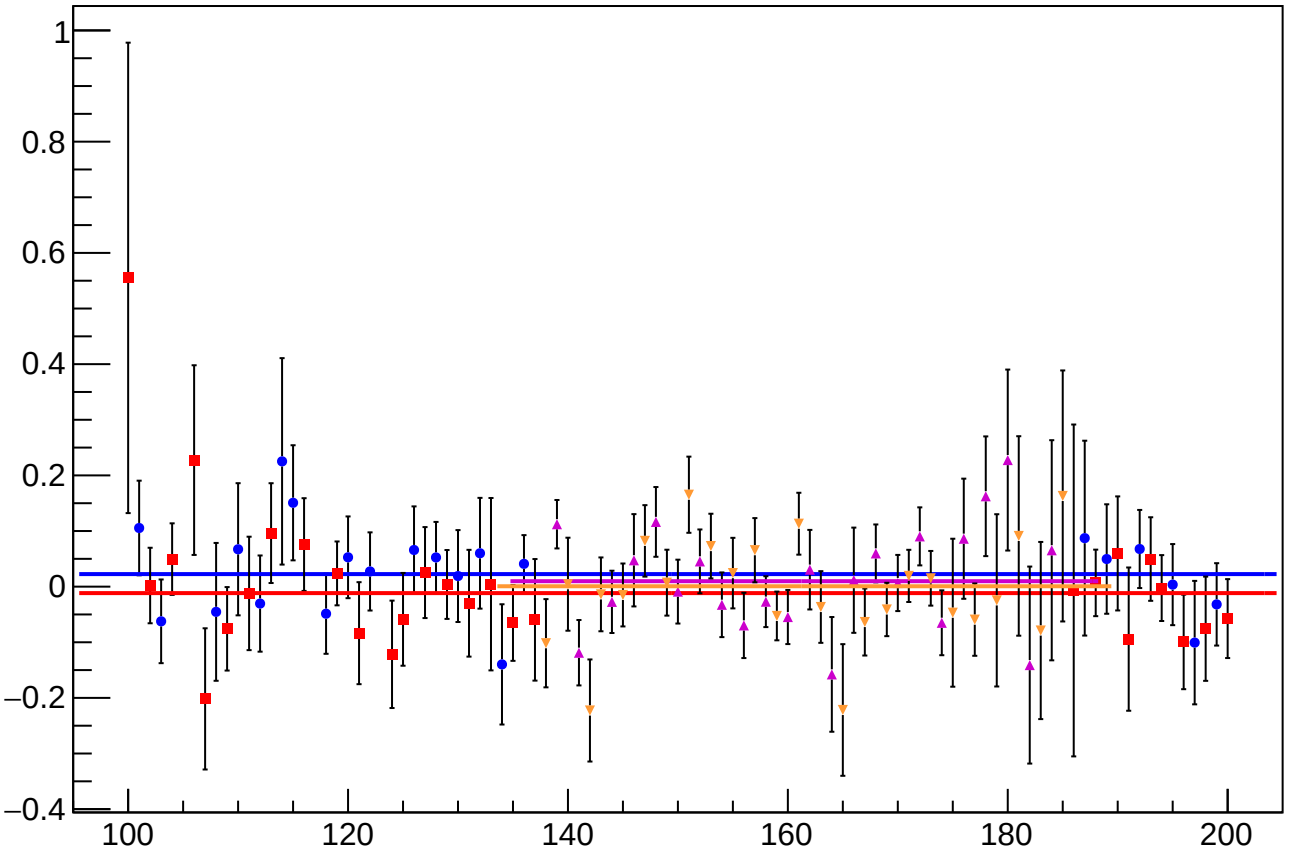
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.914+/-0.008 χ^2/NDF: 2468854.9/49

In: 54.109+/-0.007 χ^2/NDF:3582000.5/44

Out: 54.443+/-0.007 χ^2/NDF:4746519.4/52

All: 54.283+/-0.005 χ^2/NDF: 8329551.1/97



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

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

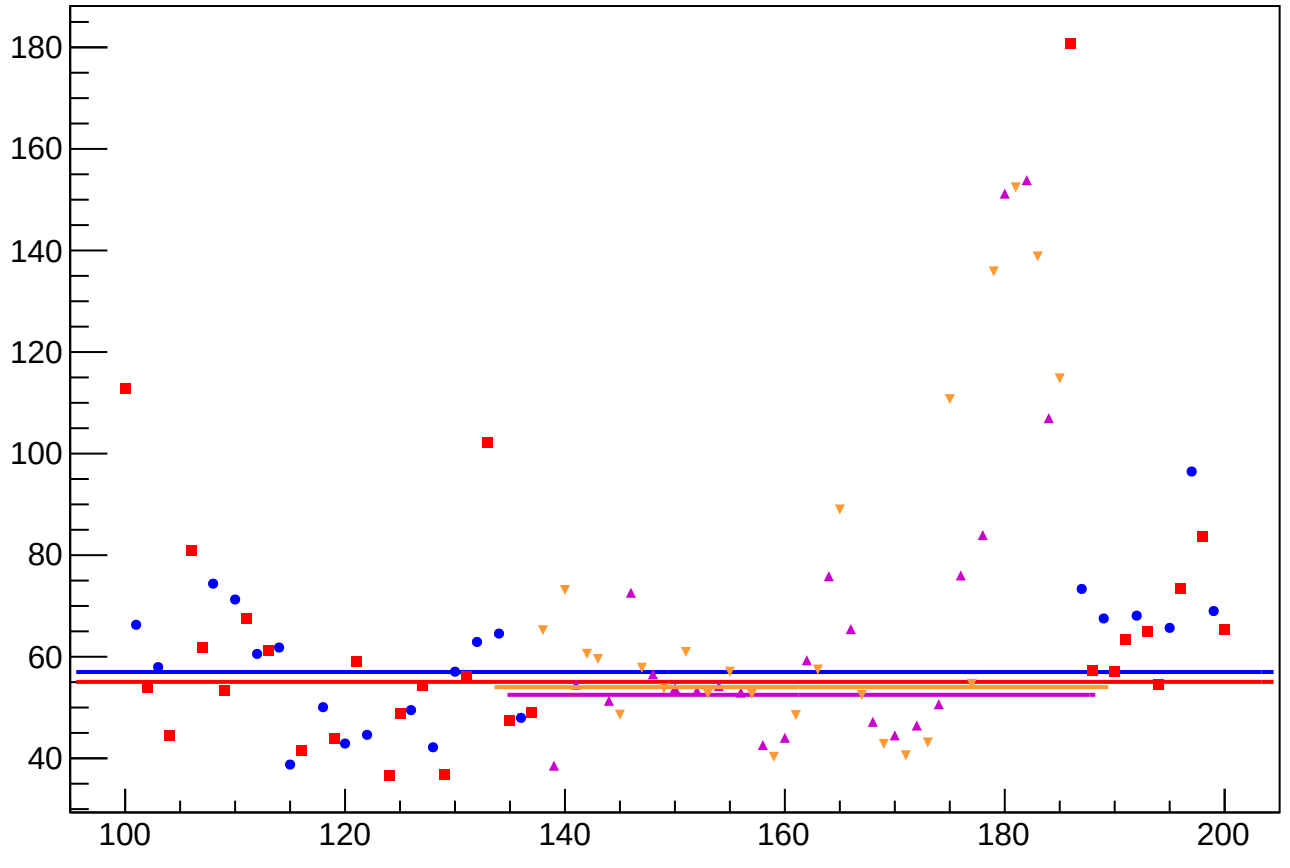
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.004+/-0.012 χ^2/NDF: 32.1/49

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.005+/-0.007 χ^2/NDF: 95.9/97



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

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

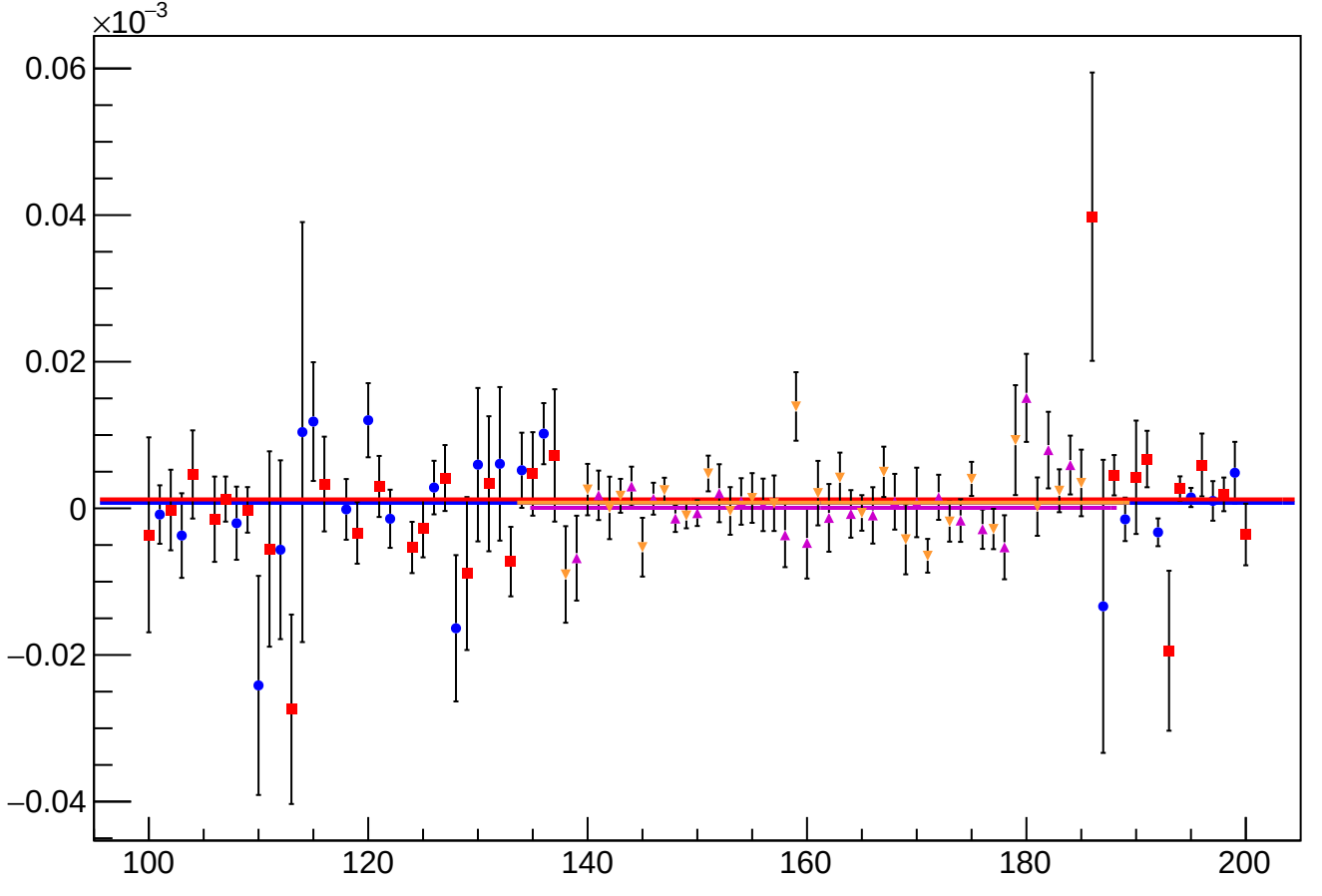
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.914+/-0.008 χ^2/NDF: 2468854.9/49

In: 54.109+/-0.007 χ^2/NDF:3582000.5/44

Out: 54.443+/-0.007 χ^2/NDF:4746519.4/52

All: 54.283+/-0.005 χ^2/NDF: 8329551.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 27.9/21

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

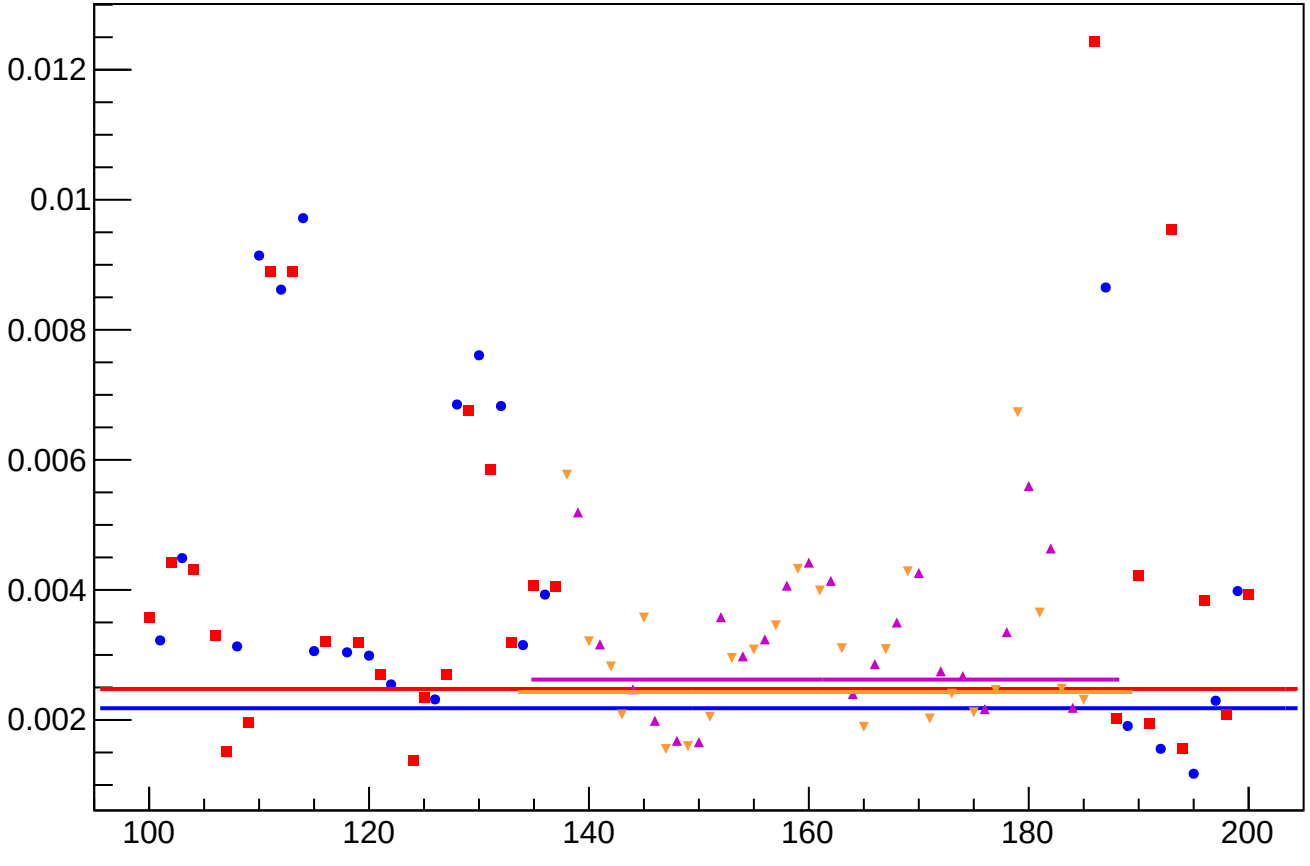
Right: 0.000+/-0.000 χ^2/NDF: 60.0/49

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: 0.000+/-0.000 χ^2/NDF:70.2/52

All: 0.000+/-0.000 χ^2/NDF: 119.5/97

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5634737.3/21

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

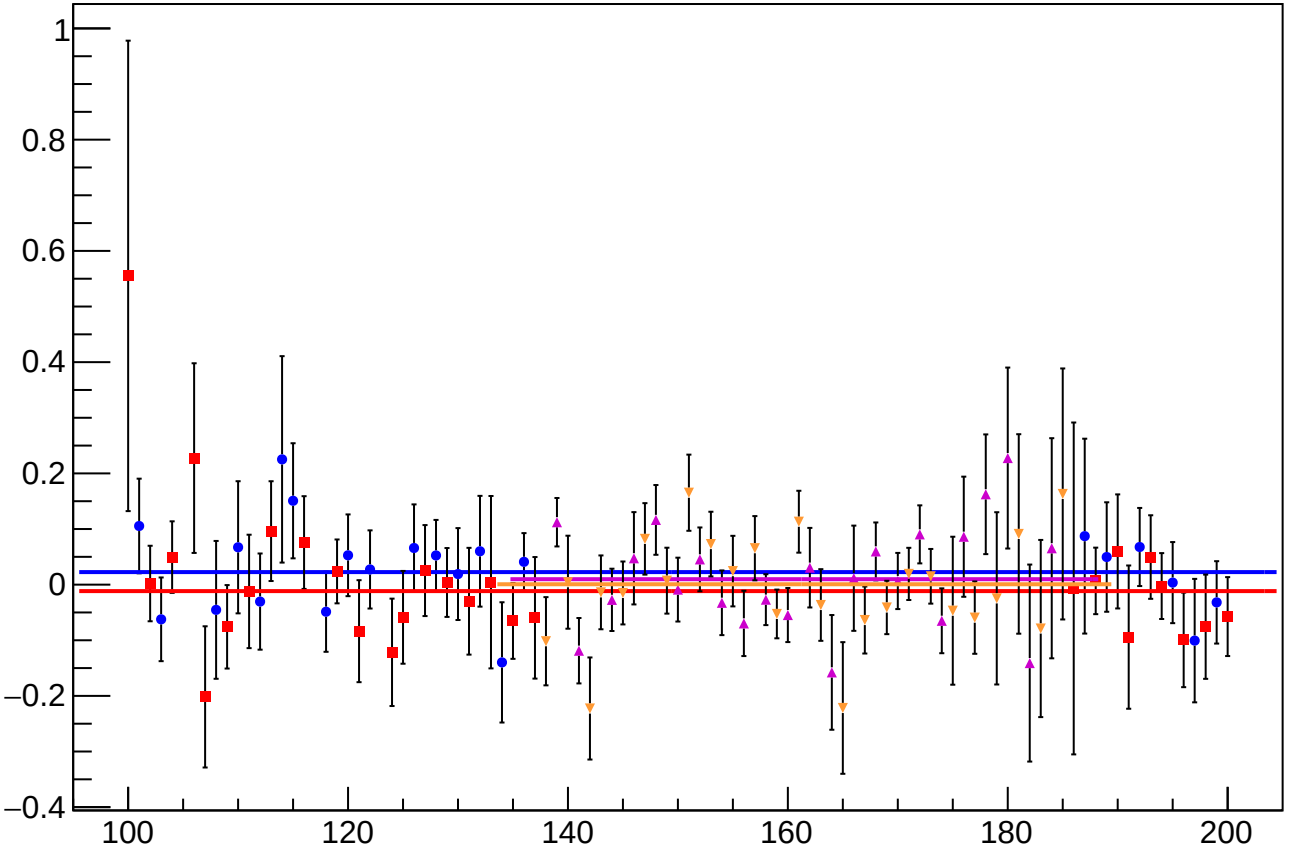
Right: 0.002+/-0.000 χ^2/NDF: 11293122.2/49

In: 0.002+/-0.000 χ^2/NDF:9968184.9/44

Out: 0.002+/-0.000 χ^2/NDF:9734852.3/52

All: 0.002+/-0.000 χ^2/NDF: 19703761.4/97

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

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

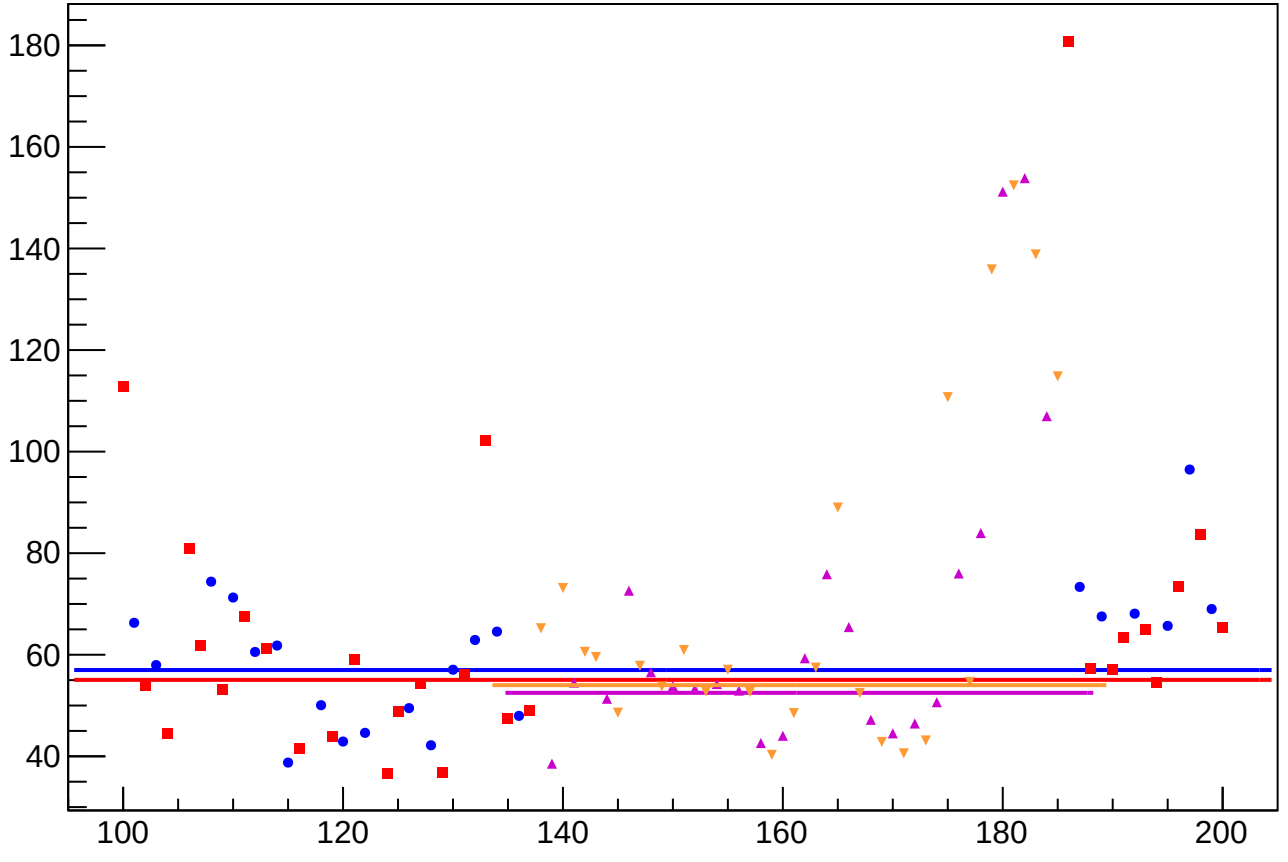
Right: 0.004+/-0.012 χ^2/NDF: 32.1/49

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.005+/-0.007 χ^2/NDF: 95.9/97

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

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

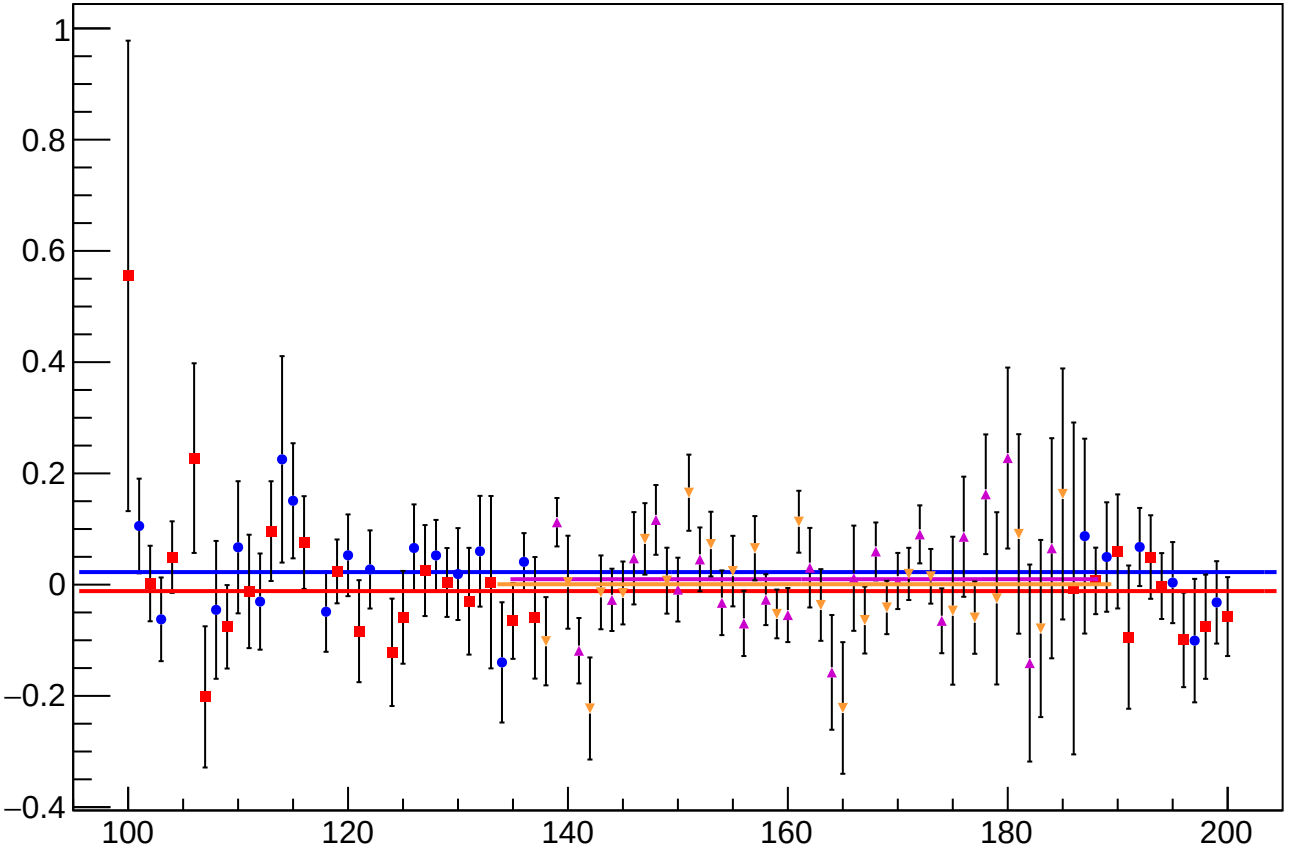
Right: 55.913+/-0.008 χ^2/NDF: 2468897.7/49

In: 54.109+/-0.007 χ^2/NDF:3581987.3/44

Out: 54.443+/-0.007 χ^2/NDF:4746579.0/52

All: 54.283+/-0.005 χ^2/NDF: 8329597.4/97

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

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

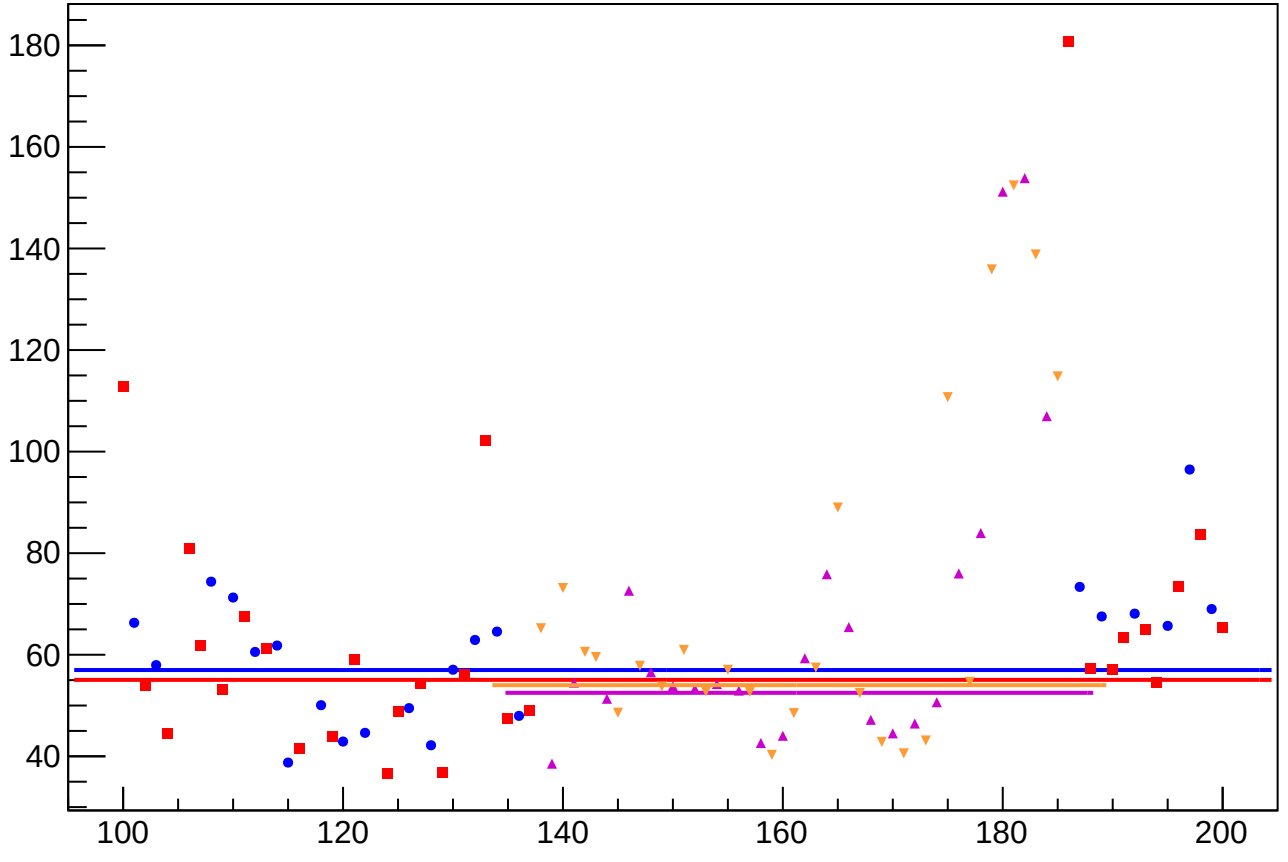
Right: 0.004+/-0.012 χ^2/NDF: 32.1/49

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.004+/-0.010 χ^2/NDF:49.6/52

All: 0.005+/-0.007 χ^2/NDF: 95.9/97

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

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

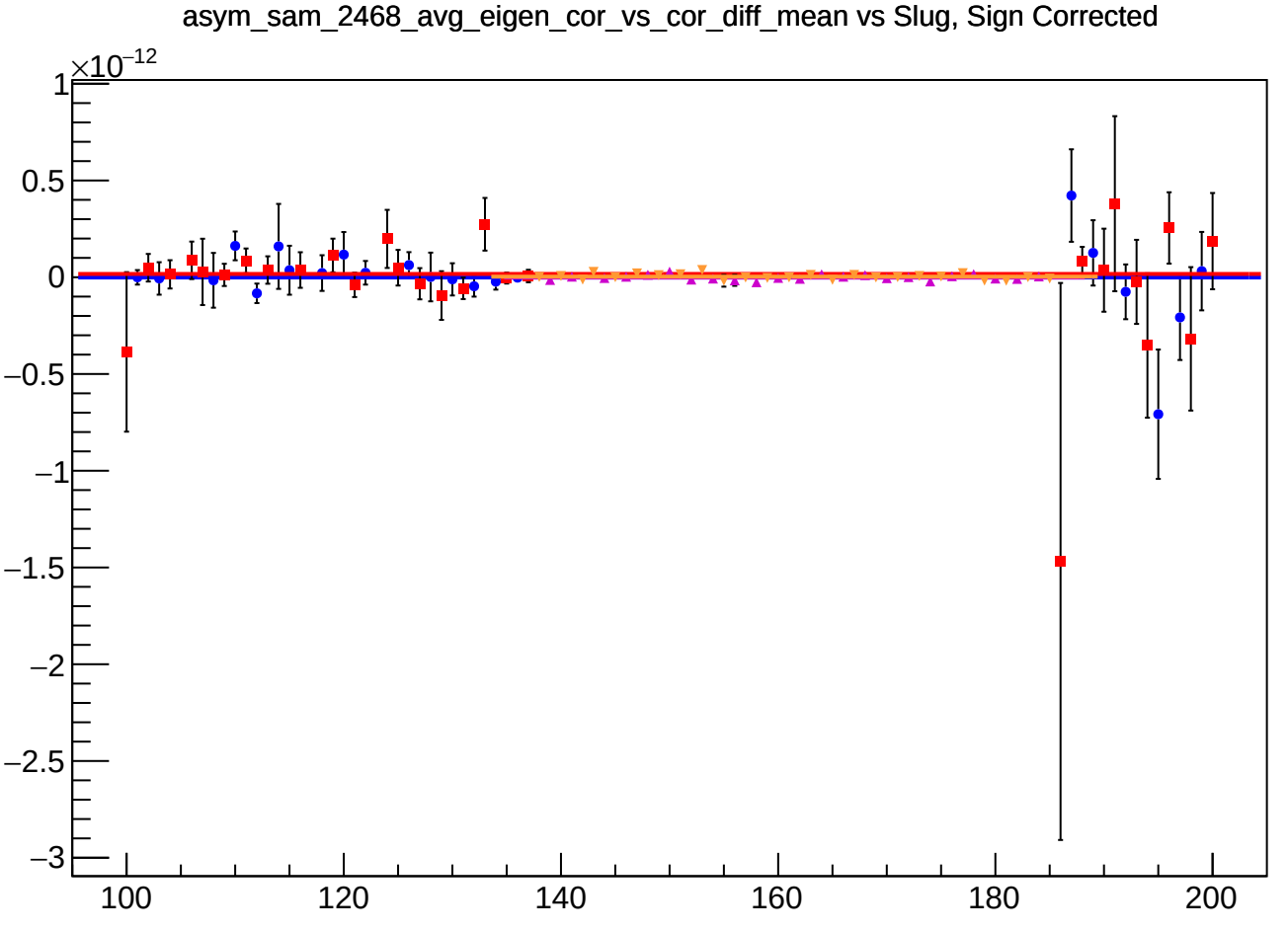
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 55.913+/-0.008 χ^2/NDF: 2468897.7/49

In: 54.109+/-0.007 χ^2/NDF:3581987.3/44

Out: 54.443+/-0.007 χ^2/NDF:4746579.0/52

All: 54.283+/-0.005 χ^2/NDF: 8329597.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/21

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

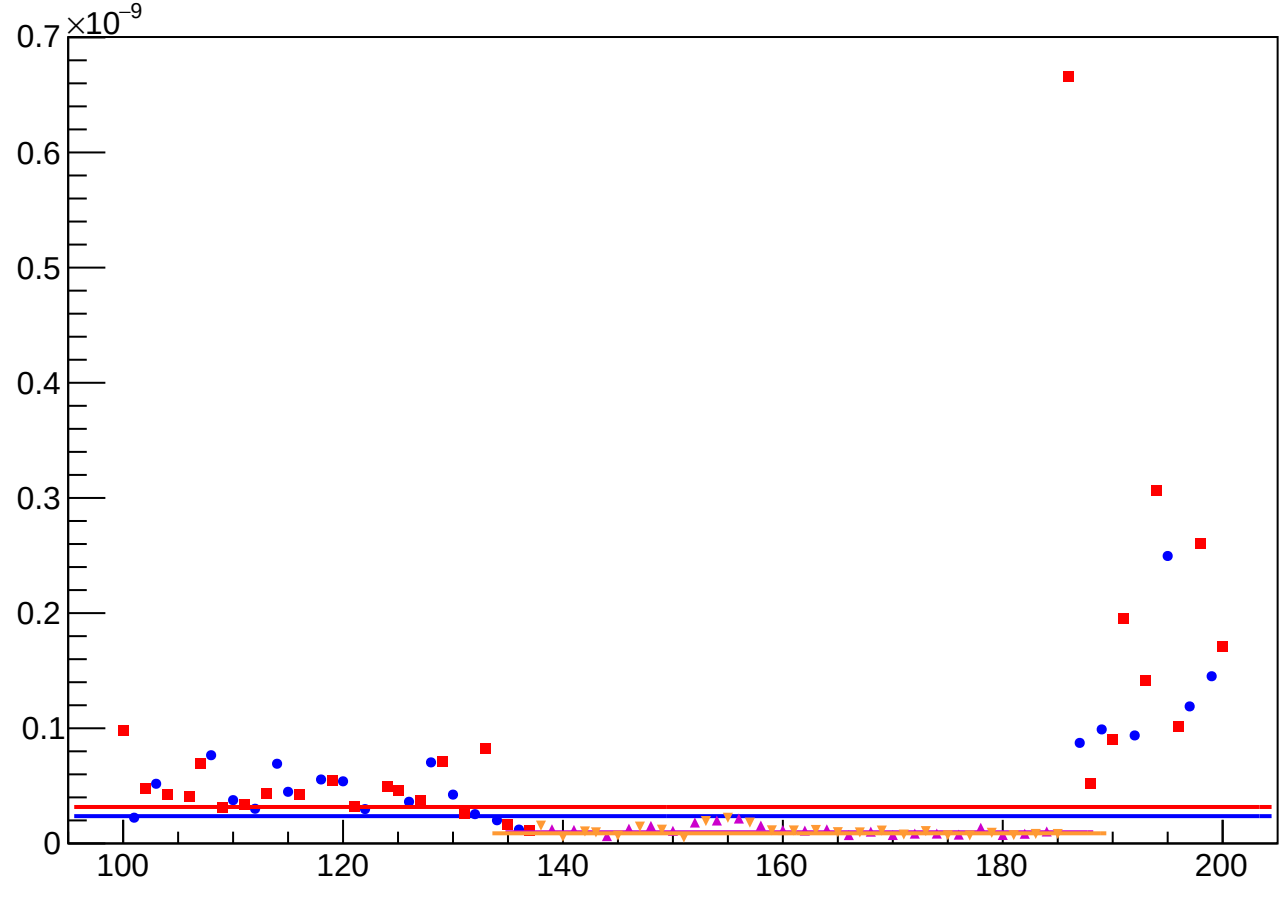
Right: 0.000+/-0.000 χ^2/NDF: 42.0/49

In: -0.000+/-0.000 χ^2/NDF:35.9/44

Out: 0.000+/-0.000 χ^2/NDF:43.1/52

All: 0.000+/-0.000 χ^2/NDF: 80.8/97

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5617149.9/21

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

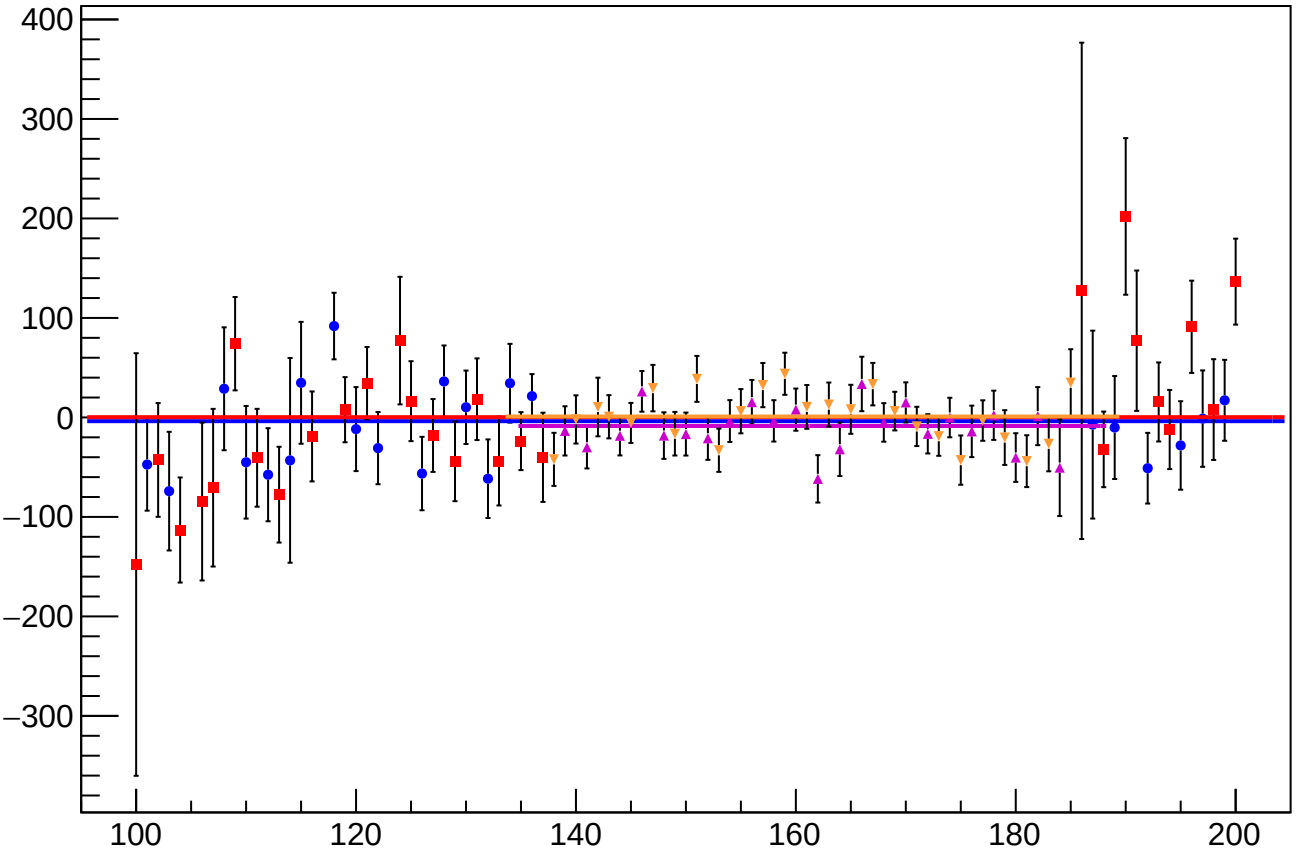
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12734865.4/49

In: 0.000+/-0.000 χ^2/NDF:10568146.2/44

Out: 0.000+/-0.000 χ^2/NDF:14369056.8/52

All: 0.000+/-0.000 χ^2/NDF: 25053241.2/97



Right In: -3.764+/-8.866 χ^2/NDF: 23.8/21

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

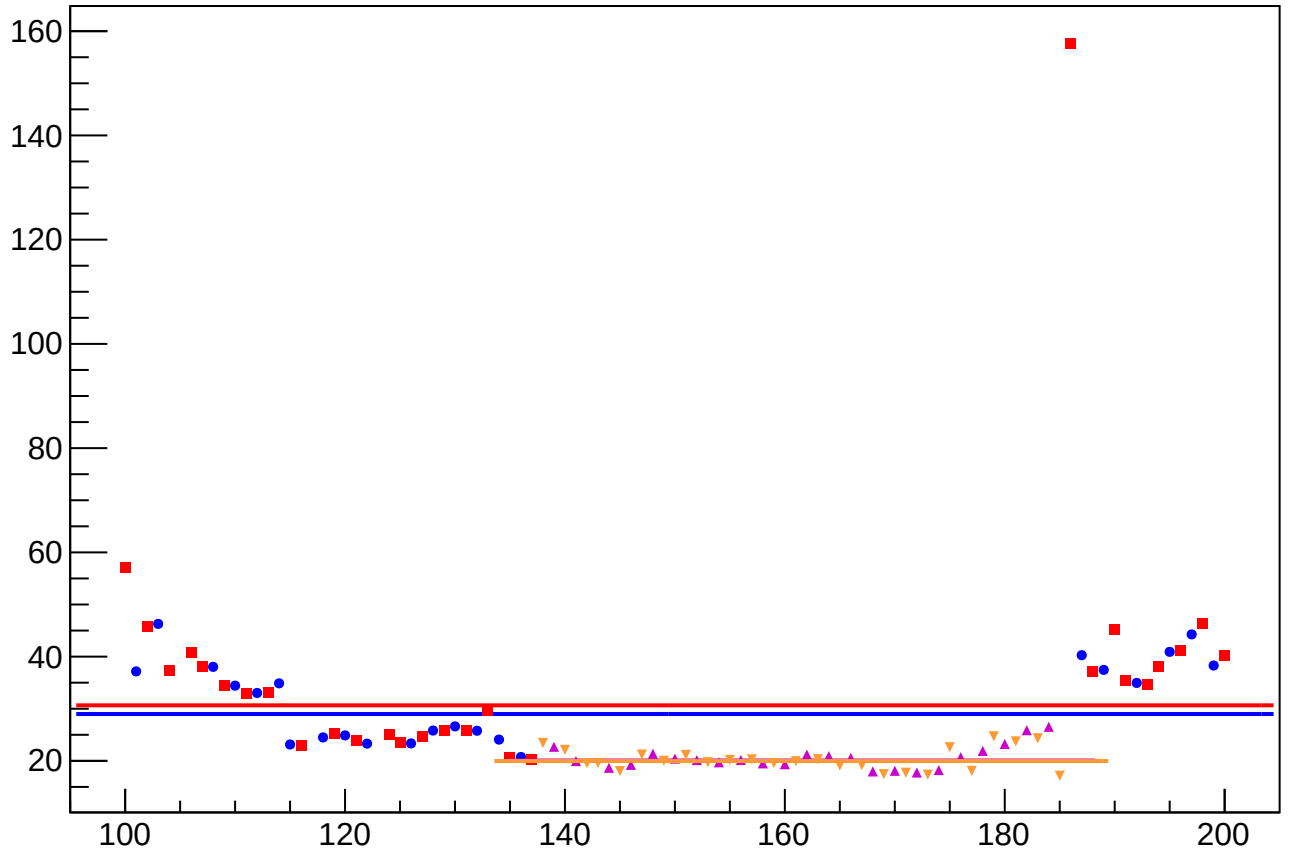
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -1.720+/-6.209 χ^2/NDF: 67.0/49

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: 0.772+/-4.048 χ^2/NDF:72.3/52

All: -3.258+/-2.904 χ^2/NDF: 117.8/97



Right In: 28.987+/-0.006 χ^2/NDF: 1413372.1/21

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

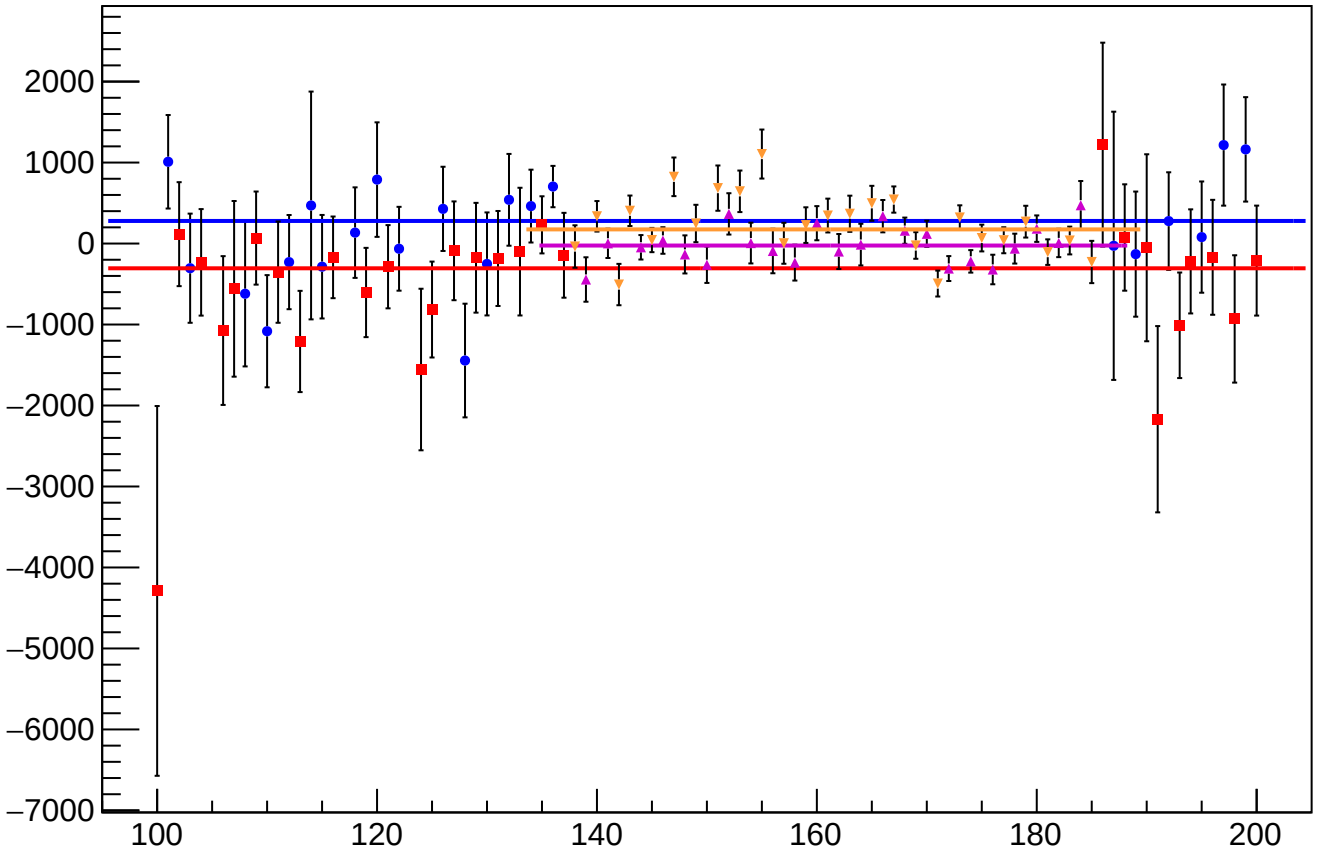
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.836+/-0.004 χ^2/NDF: 3579165.8/49

In: 22.043+/-0.003 χ^2/NDF:3289801.0/44

Out: 22.283+/-0.003 χ^2/NDF:4880627.2/52

All: 22.167+/-0.002 χ^2/NDF: 8173833.7/97



Right In: 278.947+/-123.016 χ^2/NDF: 23.6/21

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

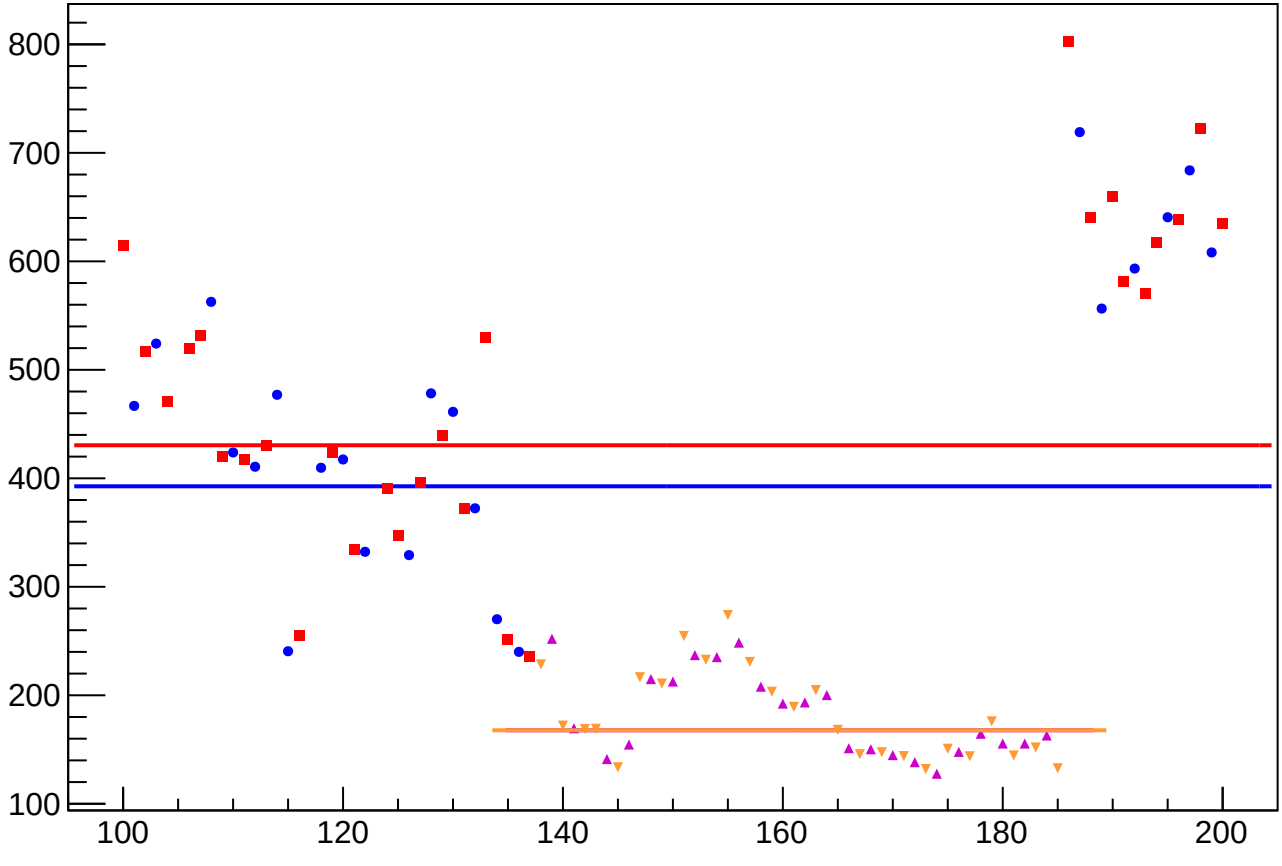
Right: -13.293+/-86.996 χ^2/NDF: 53.4/49

In: 4.527+/-38.100 χ^2/NDF:56.0/44

Out: 130.739+/-37.220 χ^2/NDF:103.5/52

All: 69.108+/-26.624 χ^2/NDF: 165.2/97

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464349.0/21

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

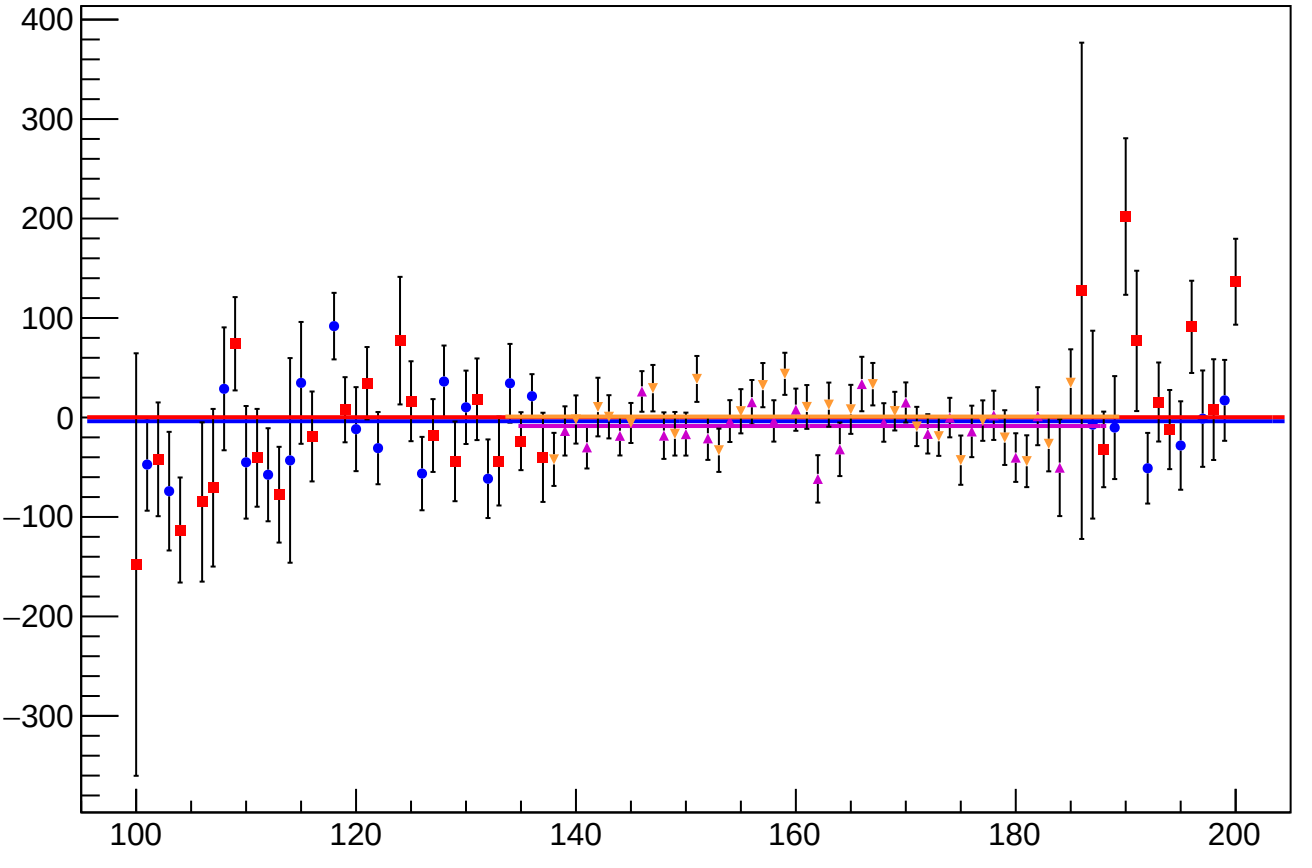
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 411.556+/-0.062 χ^2/NDF: 5240391.3/49

In: 189.321+/-0.027 χ^2/NDF:9910831.2/44

Out: 191.793+/-0.026 χ^2/NDF:12543296.2/52

All: 190.586+/-0.019 χ^2/NDF: 22458435.2/97



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

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

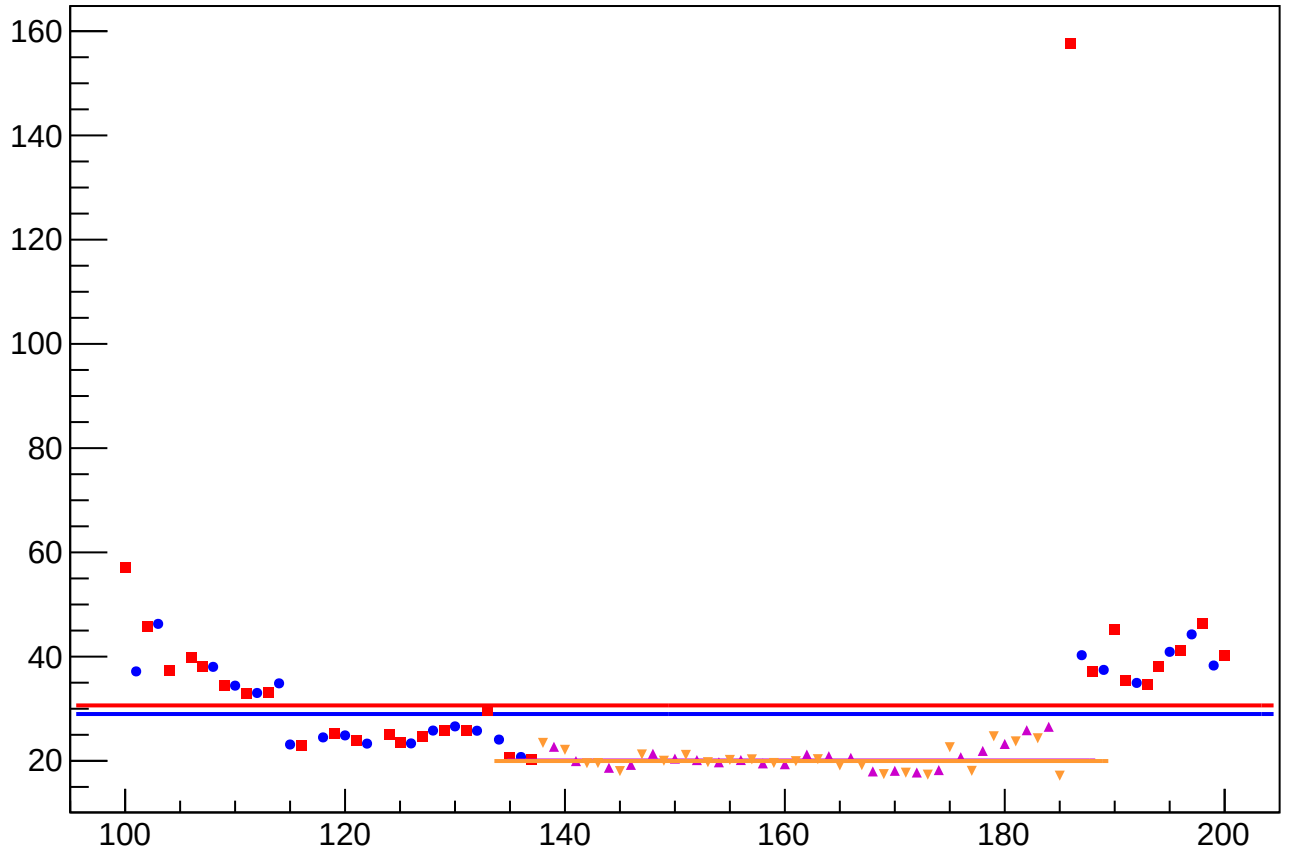
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -1.703+/-6.210 χ^2/NDF: 67.0/49

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: 0.777+/-4.049 χ^2/NDF:72.3/52

All: -3.255+/-2.904 χ^2/NDF: 117.7/97



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

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

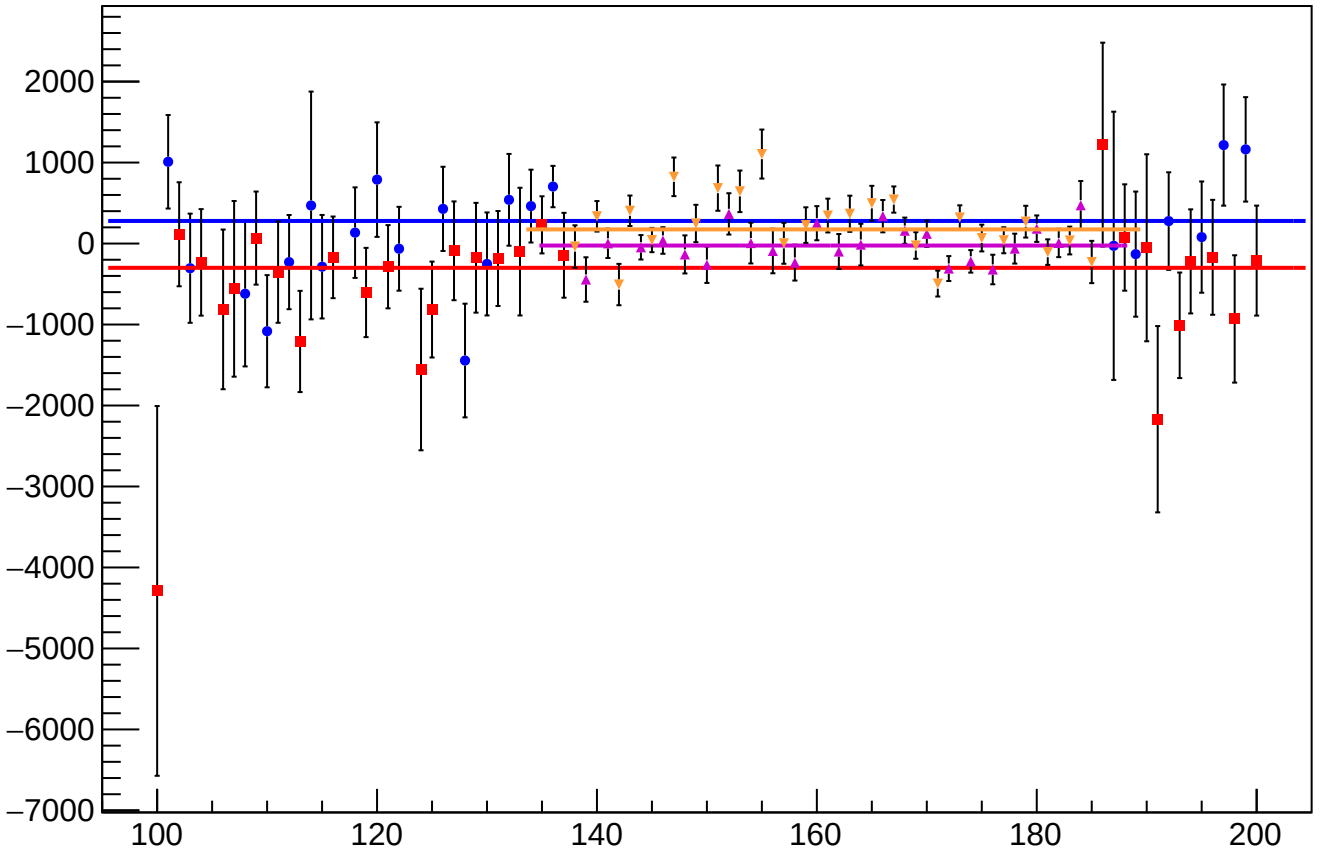
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.829+/-0.004 χ^2/NDF: 3571621.6/49

In: 22.043+/-0.003 χ^2/NDF:3289804.4/44

Out: 22.279+/-0.003 χ^2/NDF:4866699.4/52

All: 22.165+/-0.002 χ^2/NDF: 8159806.0/97



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

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

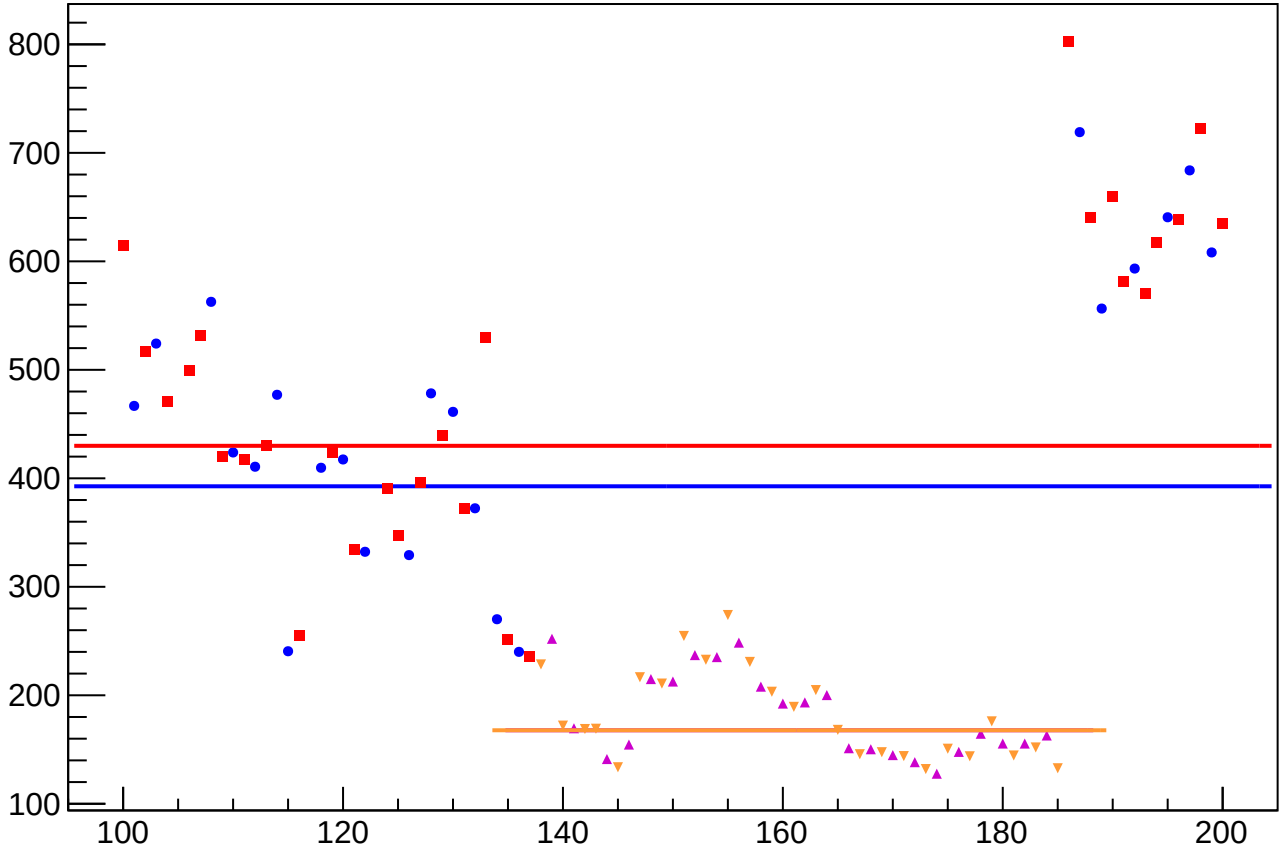
Right: -10.036+/-87.048 χ^2/NDF: 52.7/49

In: 4.526+/-38.100 χ^2/NDF:56.0/44

Out: 131.366+/-37.224 χ^2/NDF:102.7/52

All: 69.421+/-26.626 χ^2/NDF: 164.4/97

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

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

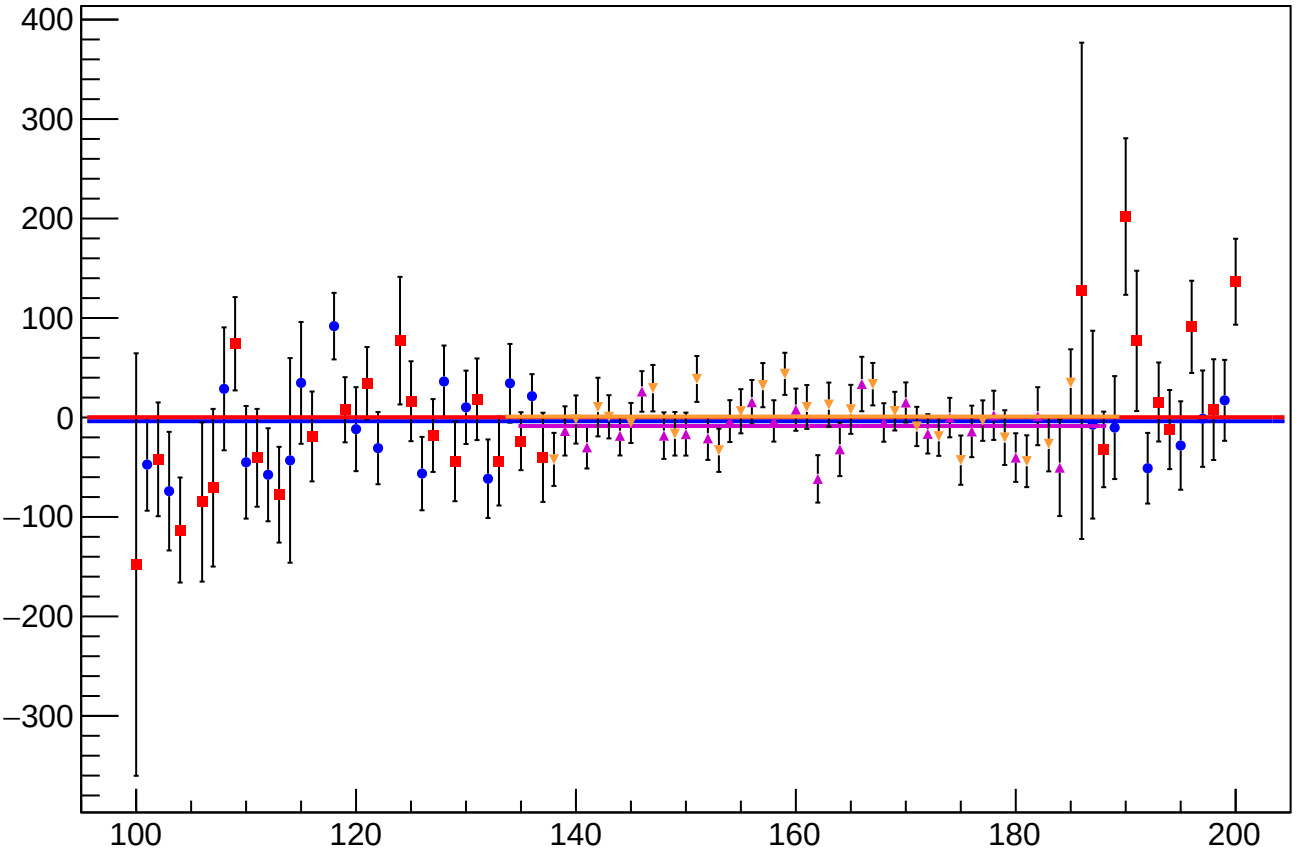
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 411.272+/-0.062 χ^2/NDF: 5228716.1/49

In: 189.321+/-0.027 χ^2/NDF:9910844.7/44

Out: 191.693+/-0.026 χ^2/NDF:12483391.4/52

All: 190.535+/-0.019 χ^2/NDF: 22398201.4/97



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

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

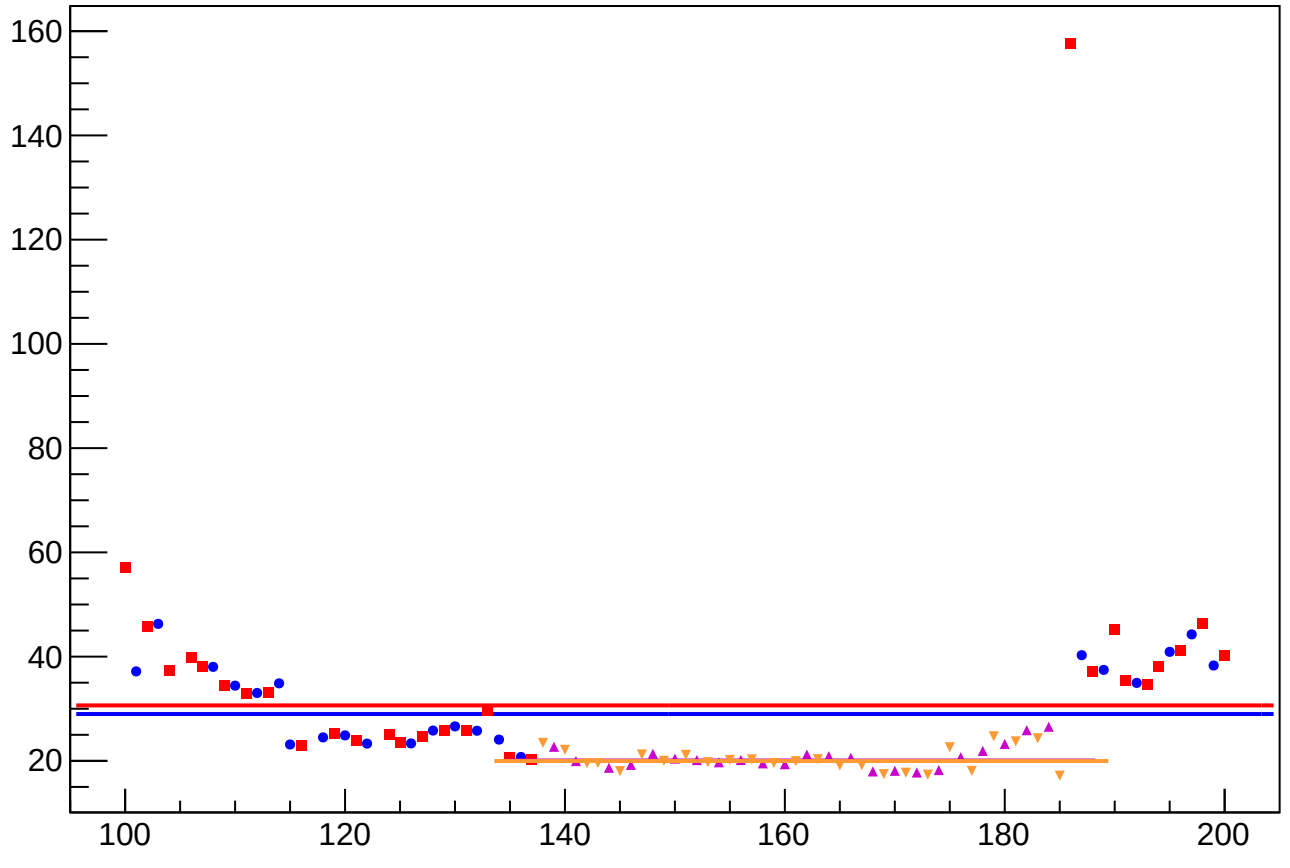
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -1.703+/-6.210 χ^2/NDF: 67.0/49

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: 0.777+/-4.049 χ^2/NDF:72.3/52

All: -3.255+/-2.904 χ^2/NDF: 117.7/97



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

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

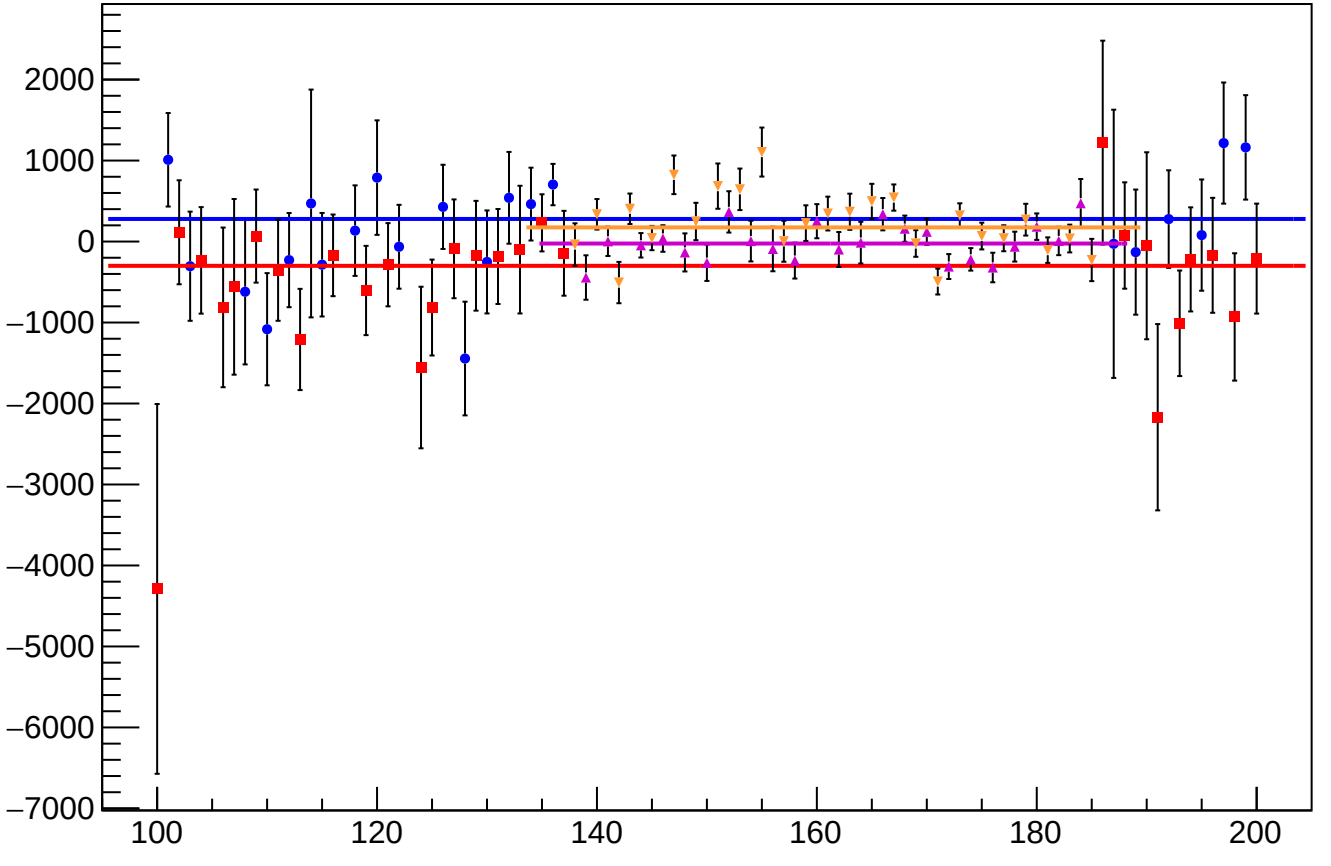
Right: 29.829+/-0.004 χ^2/NDF: 3571621.6/49

In: 22.043+/-0.003 χ^2/NDF:3289804.4/44

Out: 22.279+/-0.003 χ^2/NDF:4866699.4/52

All: 22.165+/-0.002 χ^2/NDF: 8159806.0/97

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

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

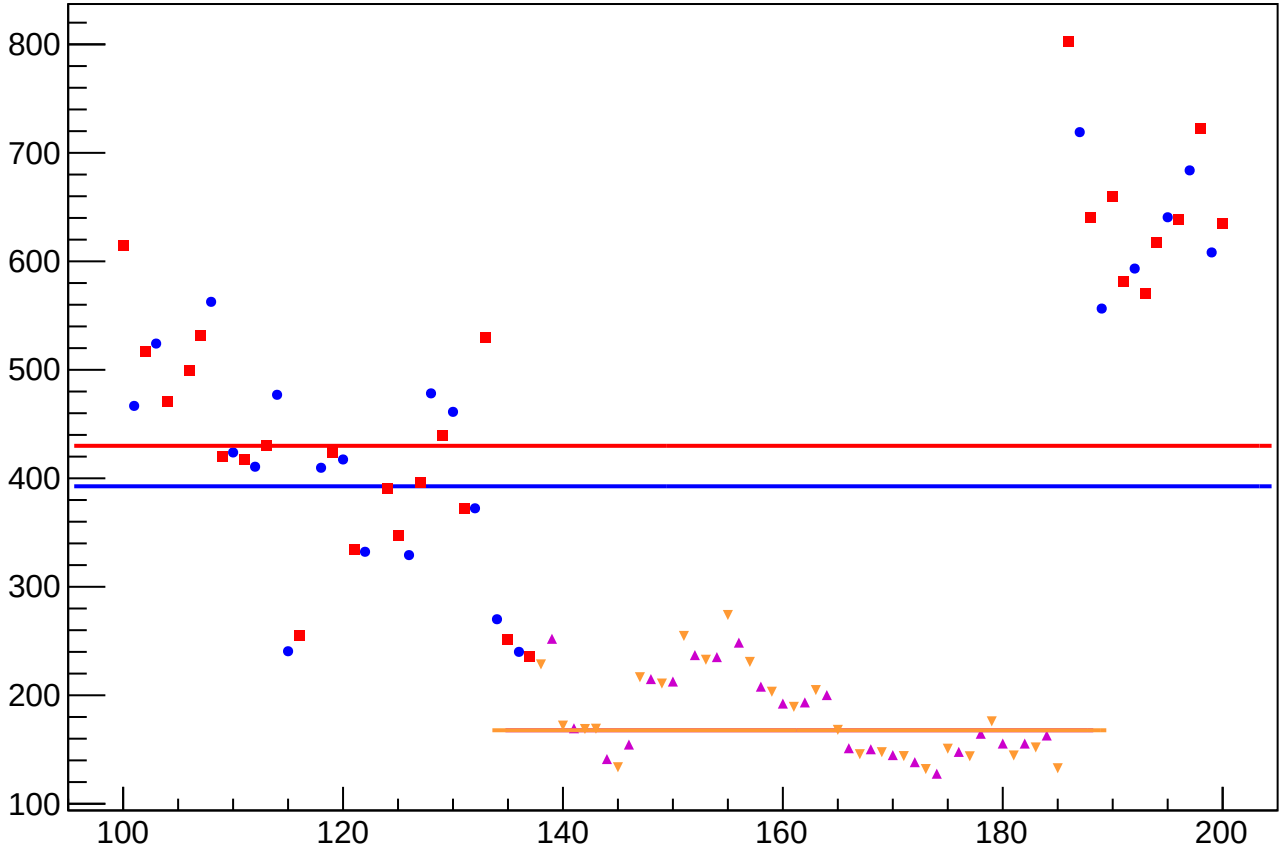
Right: -10.036+/-87.048 χ^2/NDF: 52.7/49

In: 4.526+/-38.100 χ^2/NDF:56.0/44

Out: 131.366+/-37.224 χ^2/NDF:102.7/52

All: 69.421+/-26.626 χ^2/NDF: 164.4/97

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

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

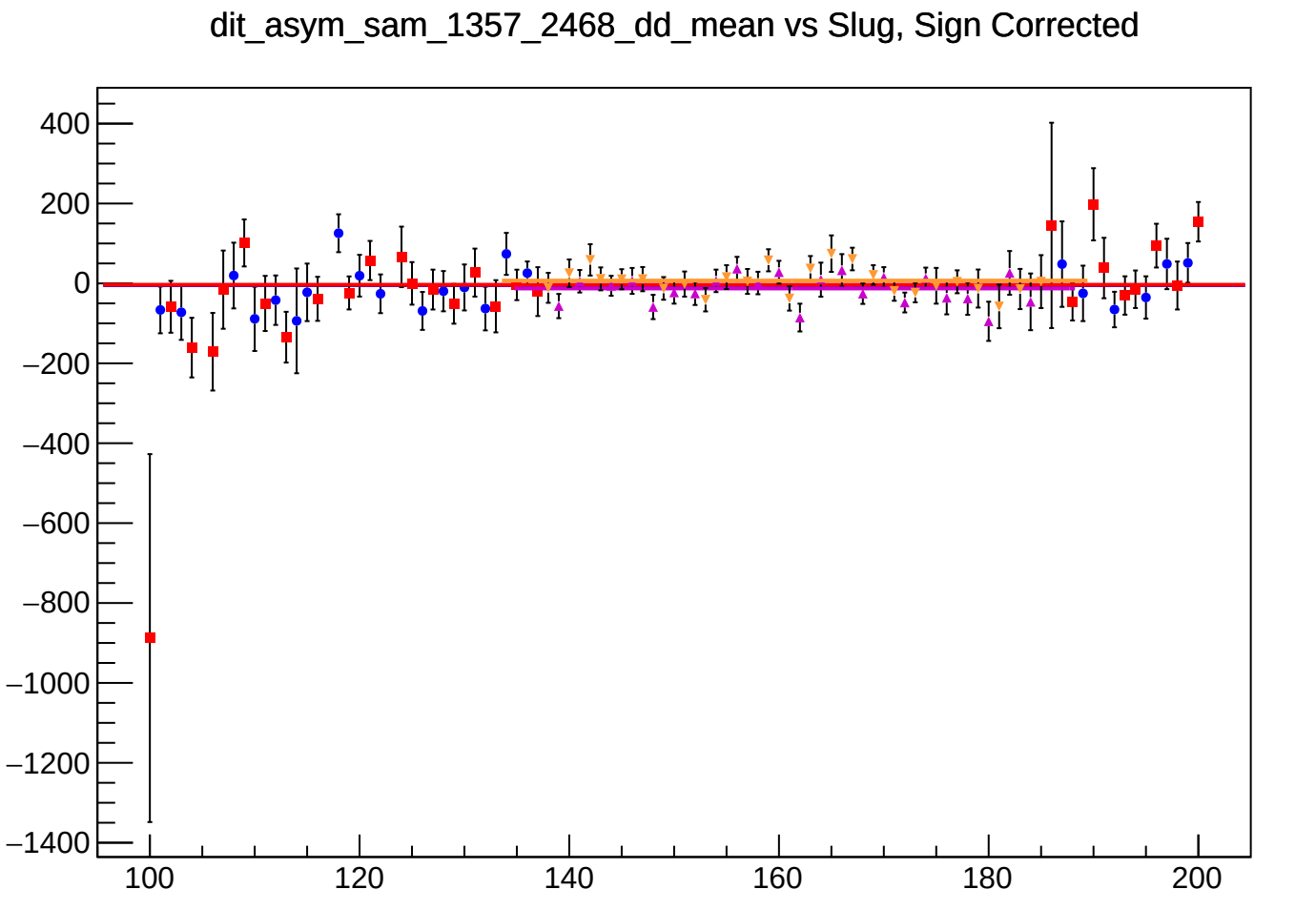
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 411.272+/-0.062 χ^2/NDF: 5228716.1/49

In: 189.321+/-0.027 χ^2/NDF:9910844.7/44

Out: 191.693+/-0.026 χ^2/NDF:12483391.4/52

All: 190.535+/-0.019 χ^2/NDF: 22398201.4/97



Right In: -4.417+/-11.634 χ^2/NDF: 23.0/21

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

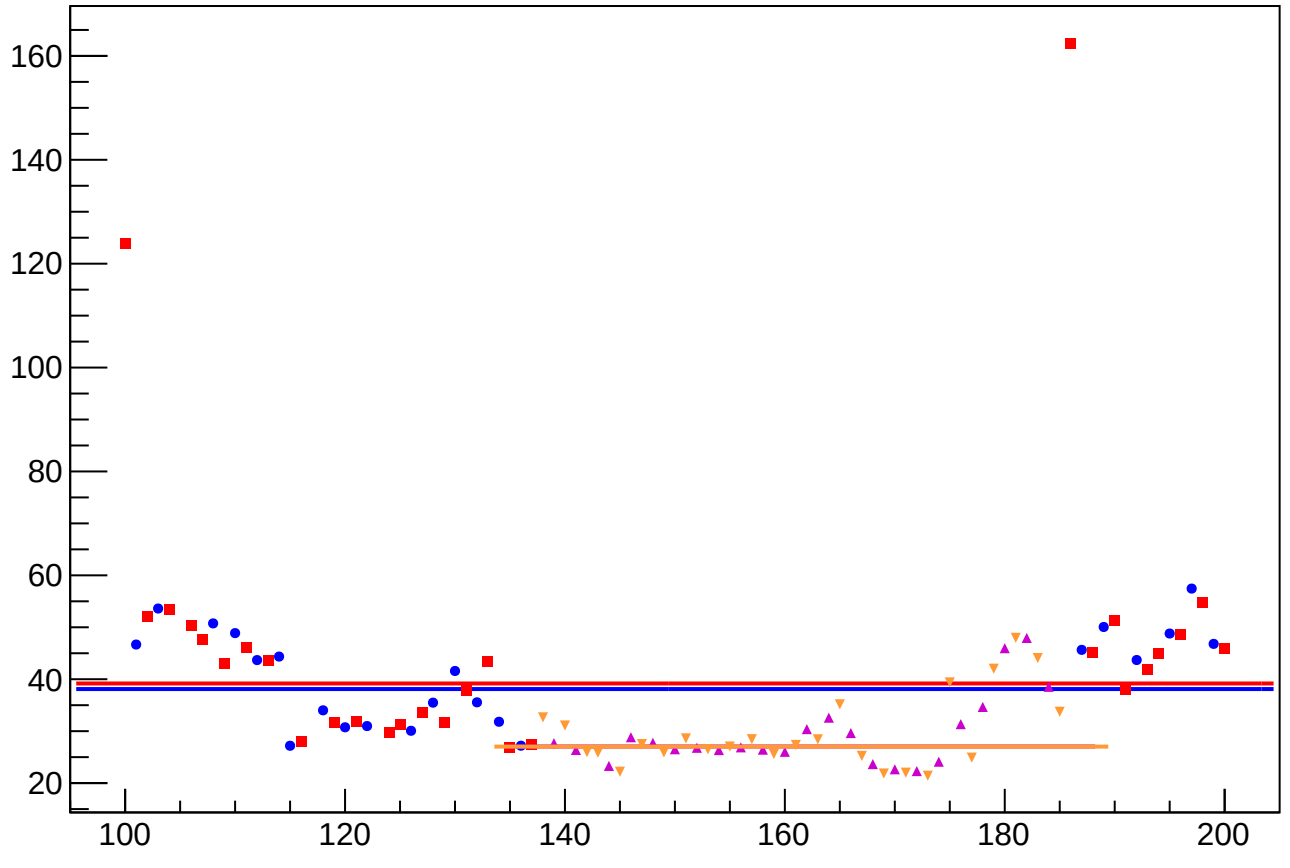
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -3.903+/-8.011 χ^2/NDF: 68.0/49

In: -10.721+/-5.683 χ^2/NDF:49.0/44

Out: 4.477+/-5.494 χ^2/NDF:68.4/52

All: -2.865+/-3.950 χ^2/NDF: 121.1/97



Right In: 38.108+/-0.008 χ^2/NDF: 1208032.6/21

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

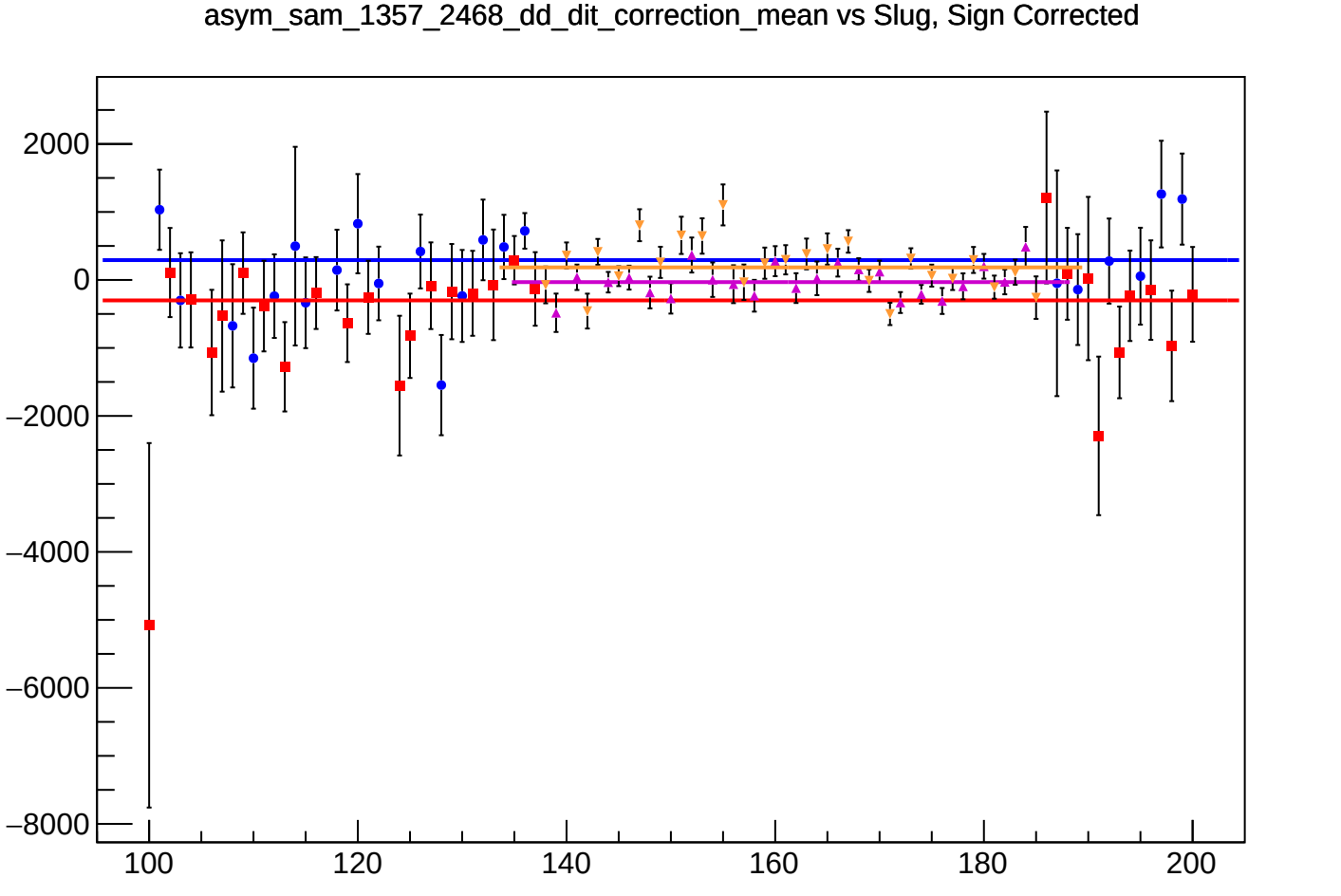
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 38.672+/-0.006 χ^2/NDF: 2940028.1/49

In: 29.690+/-0.004 χ^2/NDF:3627522.3/44

Out: 30.033+/-0.004 χ^2/NDF:4975632.9/52

All: 29.867+/-0.003 χ^2/NDF: 8606902.9/97



Right In: 291.769+/-127.967 χ^2/NDF: 23.6/21

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

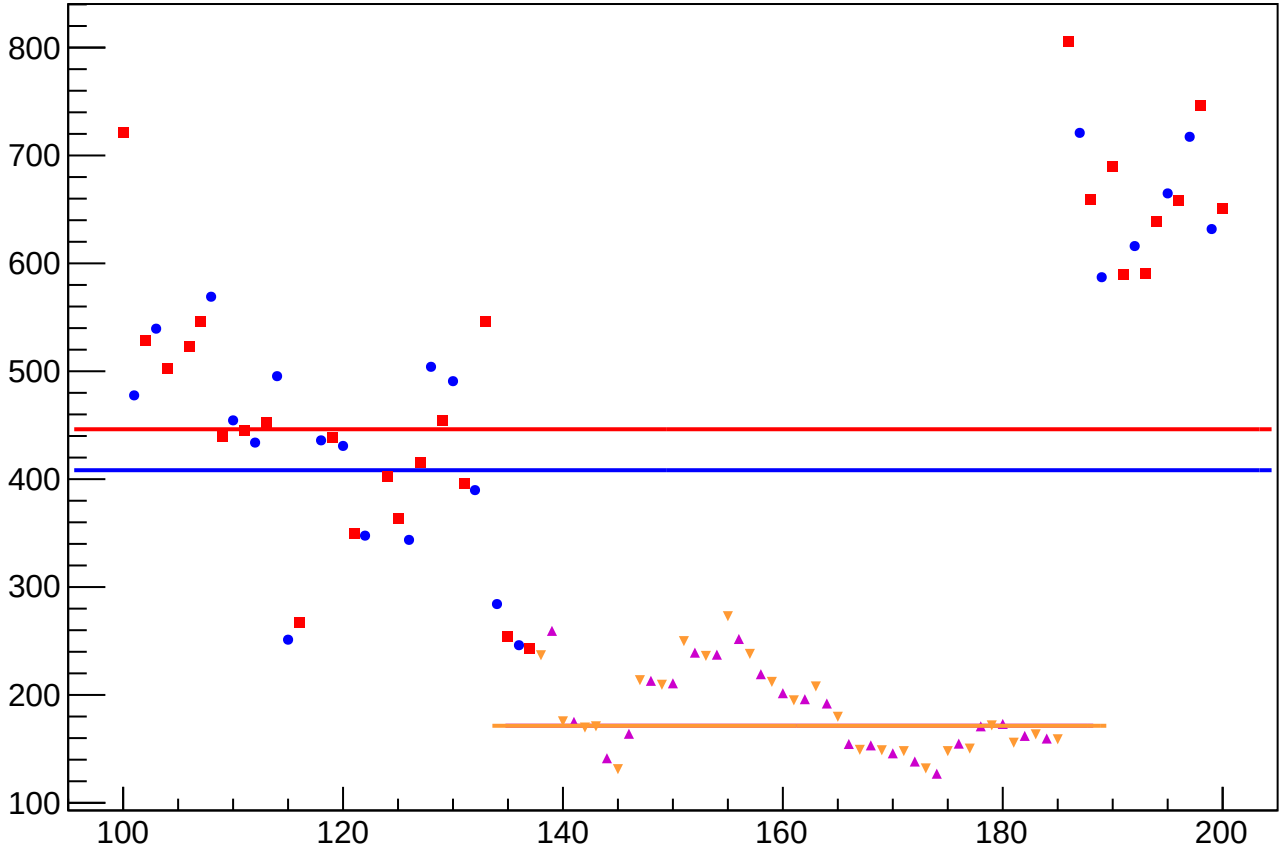
Right: -5.618+/-90.319 χ^2/NDF: 53.9/49

In: -1.793+/-39.023 χ^2/NDF:55.8/44

Out: 141.502+/-38.020 χ^2/NDF:100.4/52

All: 71.721+/-27.232 χ^2/NDF: 163.1/97

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 408.290+/-0.090 χ^2/NDF: 2503118.7/21

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

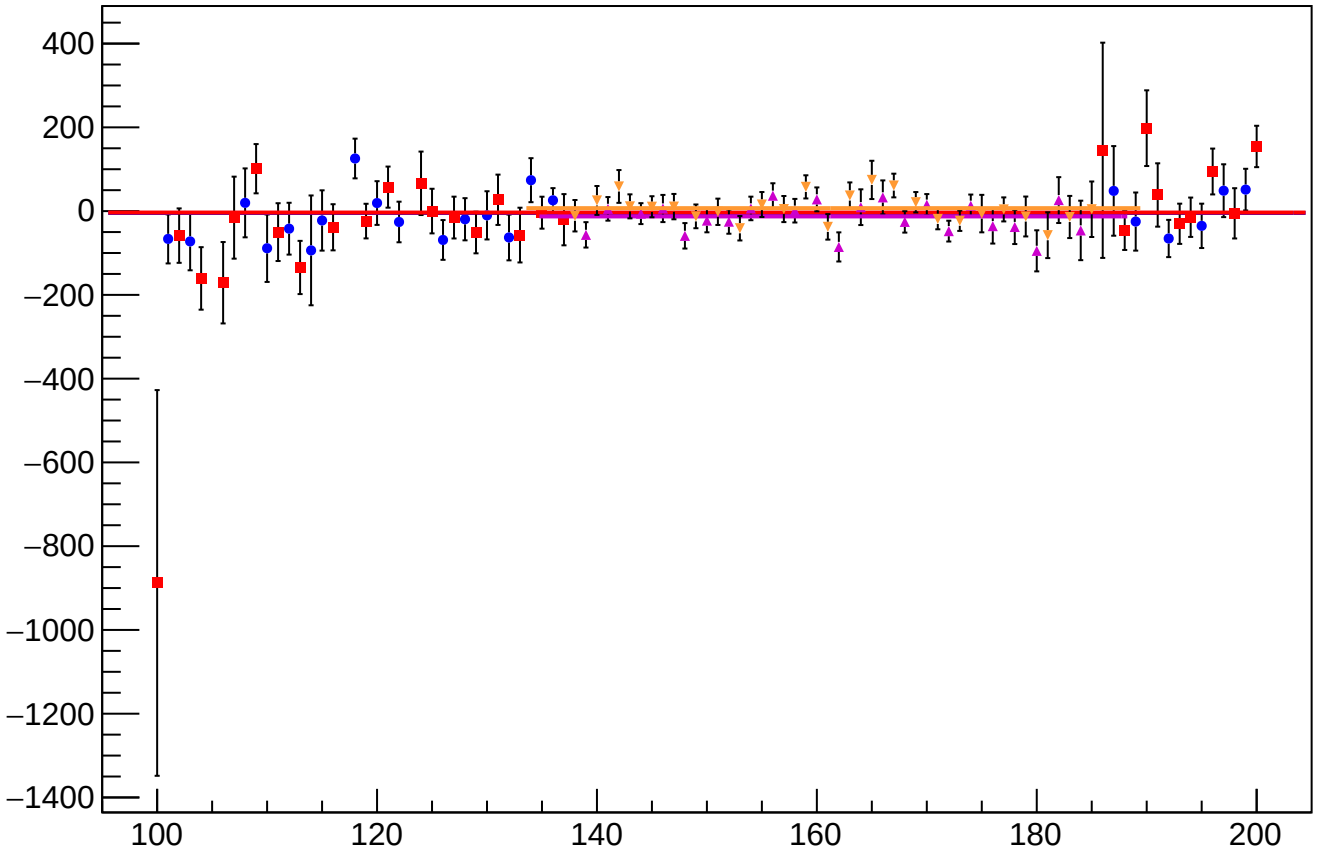
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 427.341+/-0.064 χ^2/NDF: 5276958.5/49

In: 193.511+/-0.028 χ^2/NDF:10130531.7/44

Out: 195.866+/-0.027 χ^2/NDF:12678929.0/52

All: 194.719+/-0.019 χ^2/NDF: 22813198.5/97



Right In: -4.418+/-11.634 χ^2/NDF: 23.0/21

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

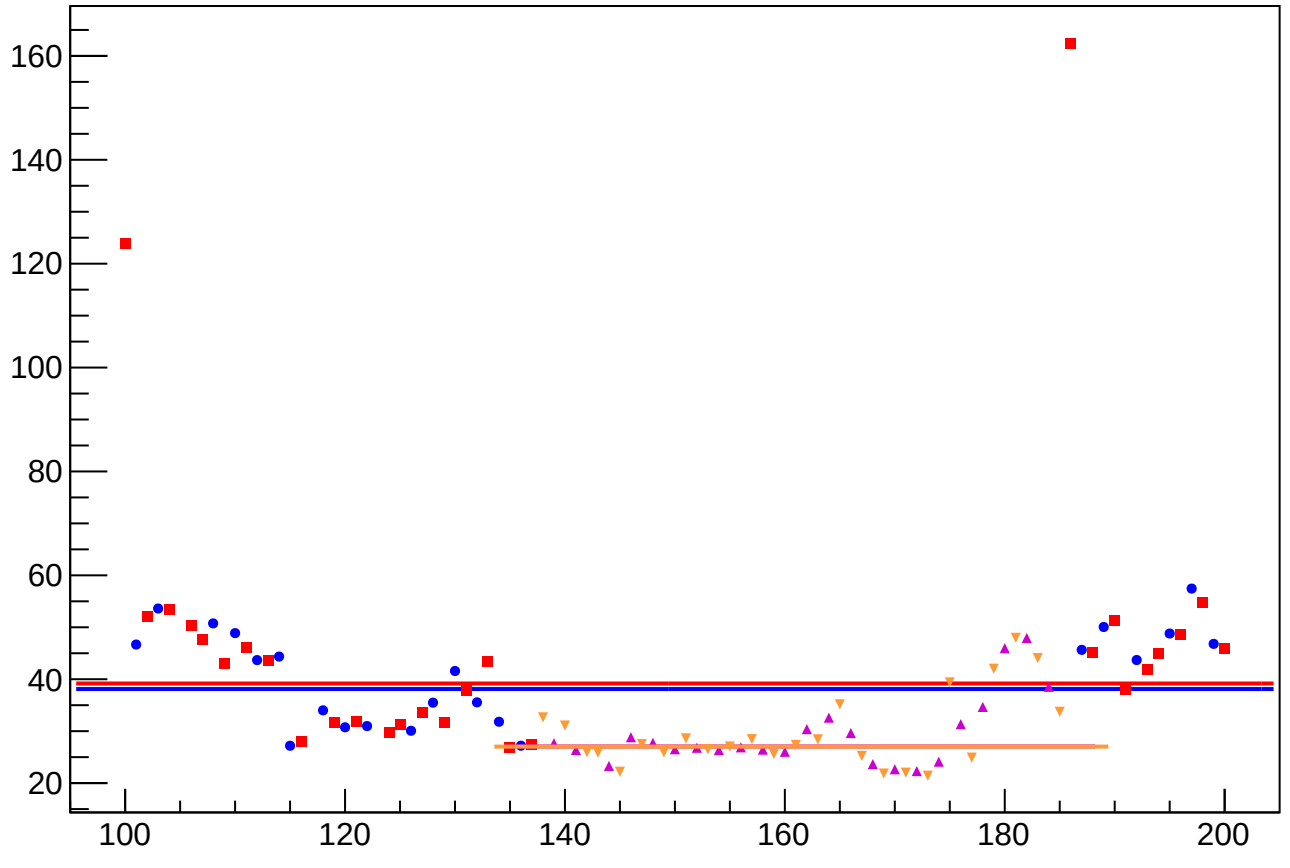
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -3.903+/-8.011 χ^2/NDF: 68.0/49

In: -10.721+/-5.683 χ^2/NDF:49.0/44

Out: 4.477+/-5.494 χ^2/NDF:68.4/52

All: -2.865+/-3.950 χ^2/NDF: 121.1/97



Right In: 38.107+/-0.008 χ^2/NDF: 1208032.3/21

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

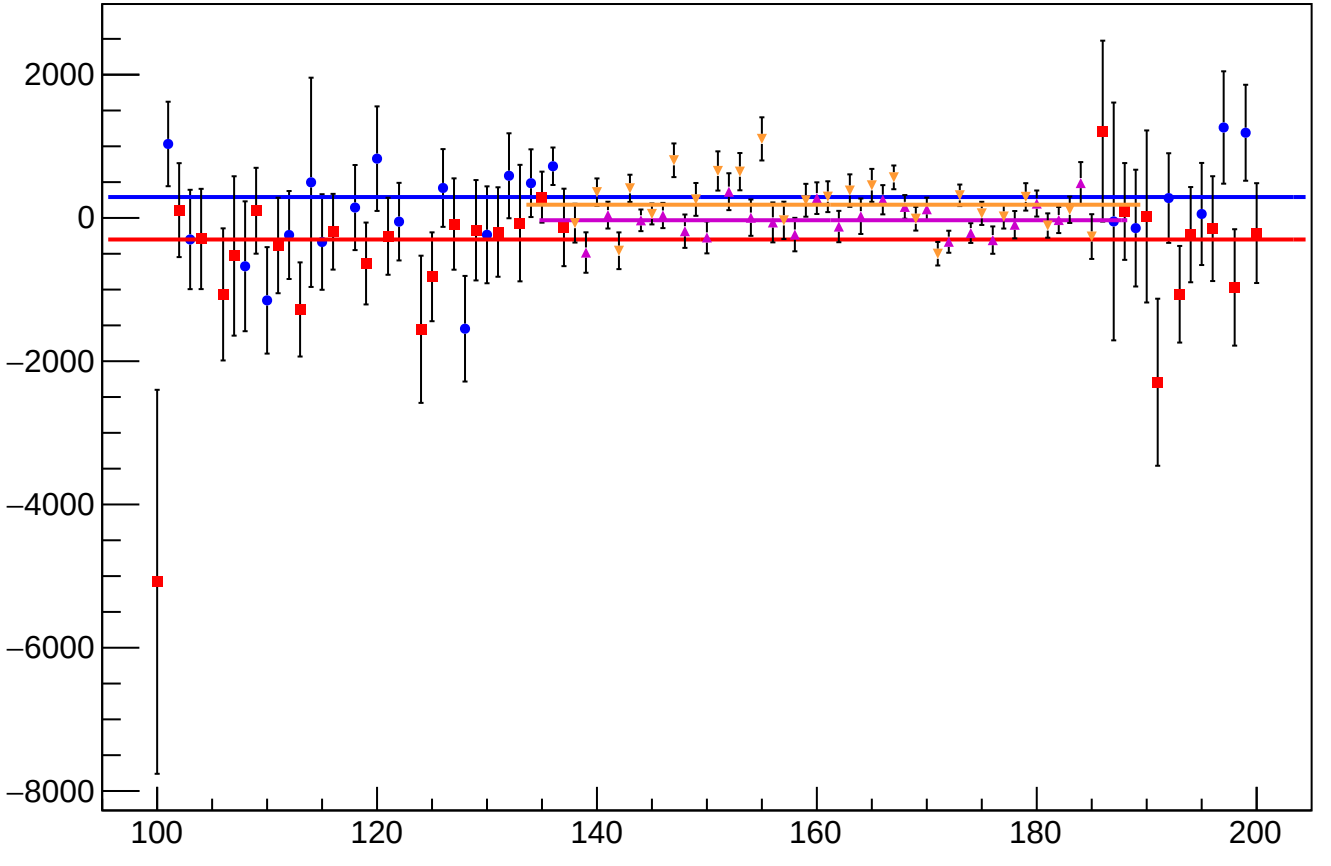
Right: 38.671+/-0.006 χ^2/NDF: 2940042.7/49

In: 29.690+/-0.004 χ^2/NDF:3627398.0/44

Out: 30.033+/-0.004 χ^2/NDF:4975543.7/52

All: 29.867+/-0.003 χ^2/NDF: 8606690.3/97

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 291.767+/-127.967 χ^2/NDF: 23.6/21

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

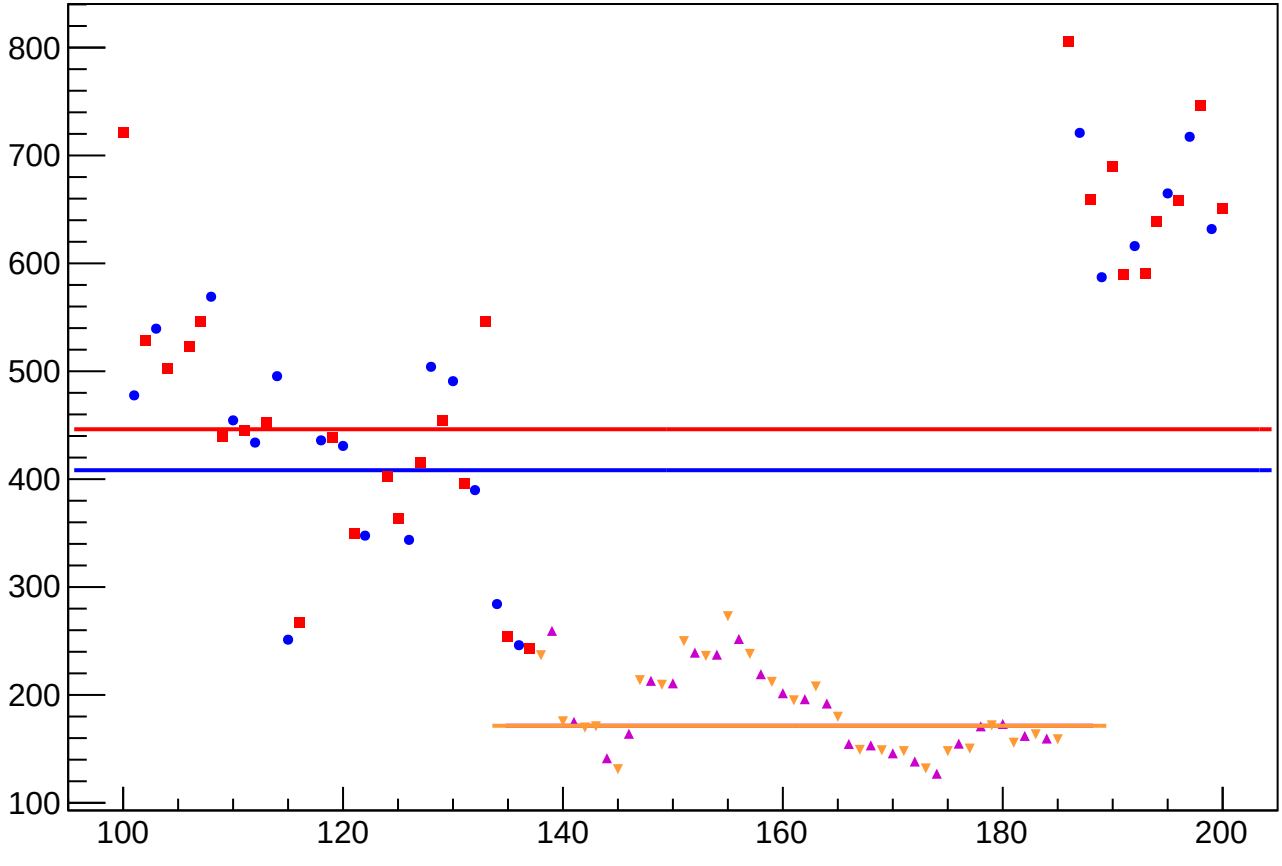
Right: -5.619+/-90.319 χ^2/NDF: 53.9/49

In: -1.793+/-39.023 χ^2/NDF:55.8/44

Out: 141.501+/-38.020 χ^2/NDF:100.4/52

All: 71.720+/-27.232 χ^2/NDF: 163.1/97

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 408.289+/-0.090 χ^2/NDF: 2503121.7/21

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

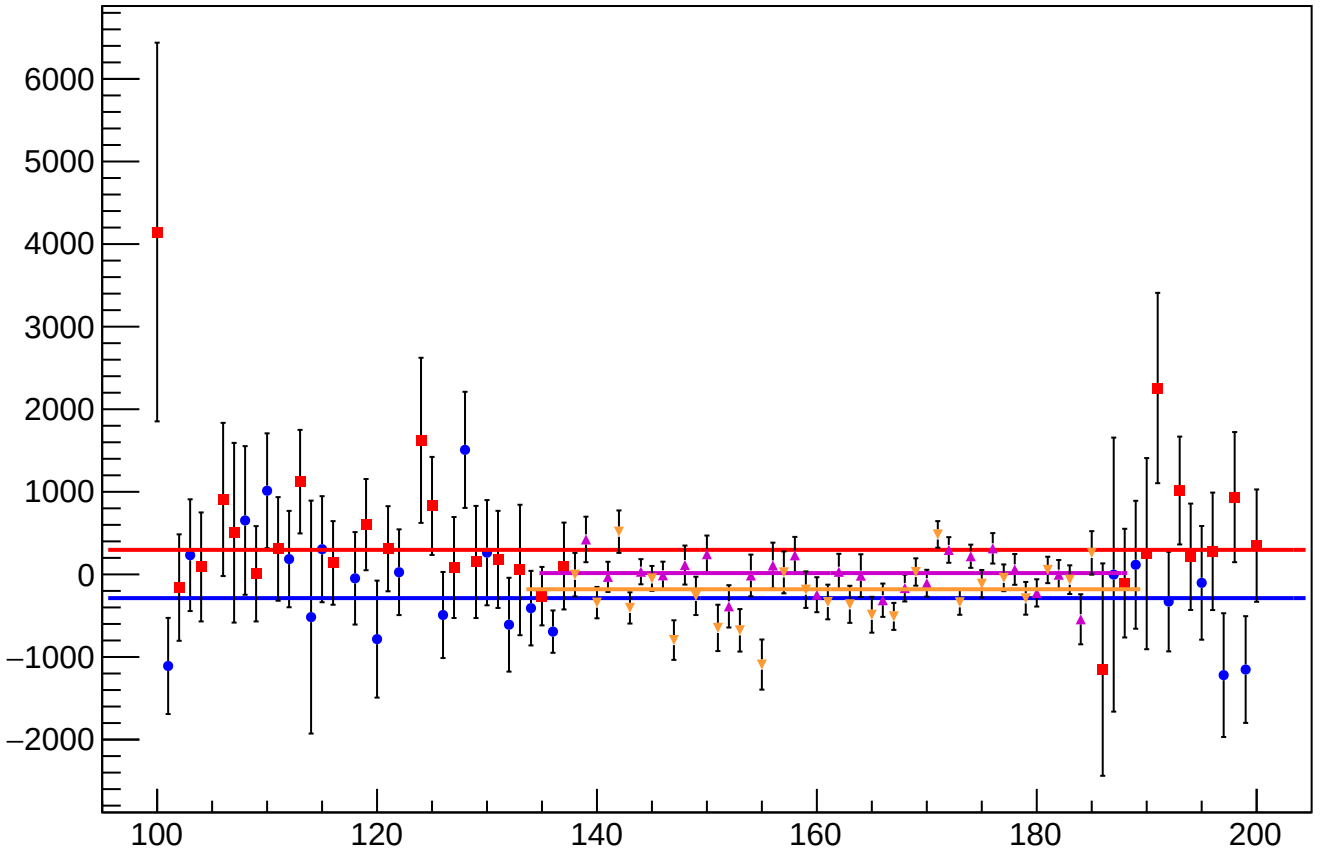
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 427.340+/-0.064 χ^2/NDF: 5276970.8/49

In: 193.510+/-0.028 χ^2/NDF:10130560.0/44

Out: 195.865+/-0.027 χ^2/NDF:12678964.7/52

All: 194.718+/-0.019 χ^2/NDF: 22813262.8/97



Right In: -287.120+/-123.421 χ^2/NDF: 23.8/21

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

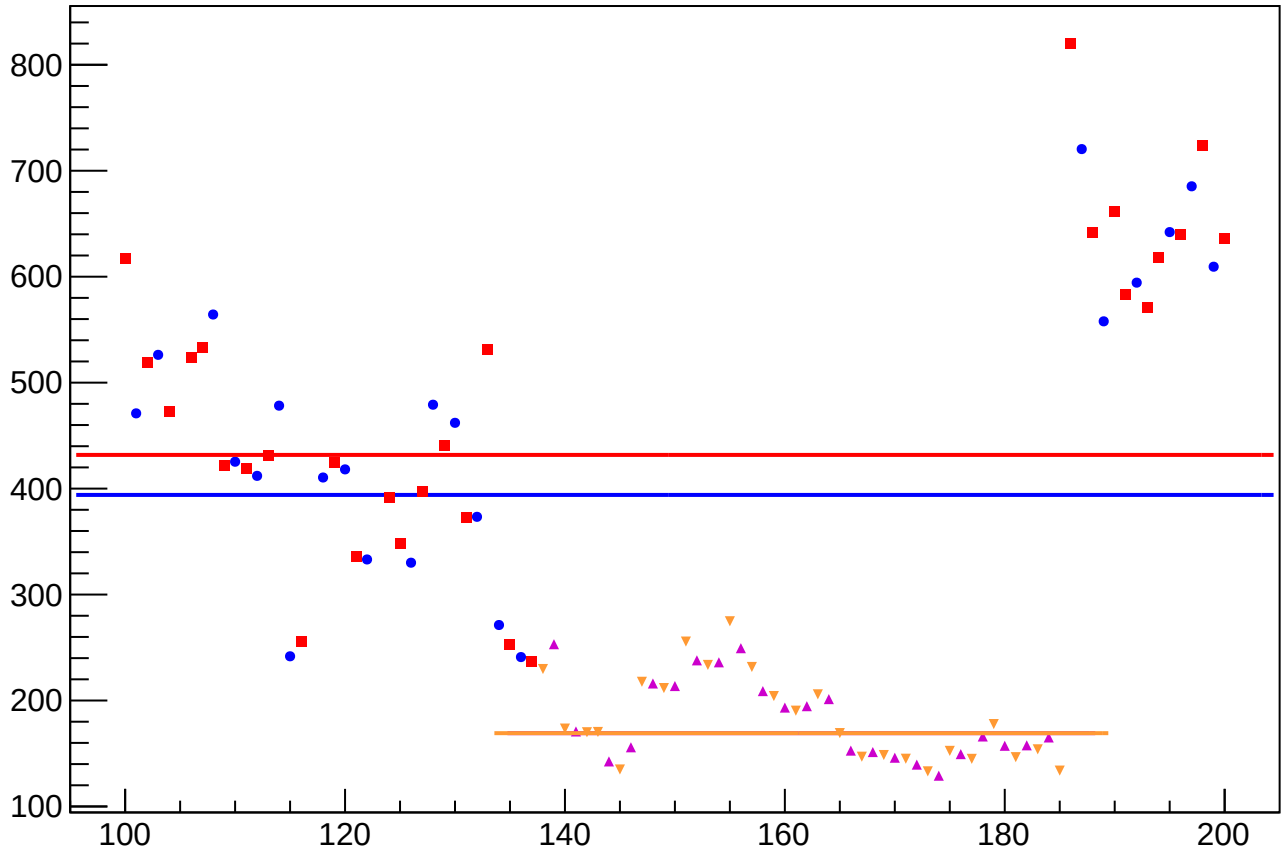
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 5.040+/-87.275 χ^2/NDF: 53.2/49

In: -13.279+/-38.392 χ^2/NDF:55.8/44

Out: -135.630+/-37.503 χ^2/NDF:98.9/52

All: -75.888+/-26.827 χ^2/NDF: 159.9/97



Right In: 394.040+/-0.087 χ^2/NDF: 2456867.8/21

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

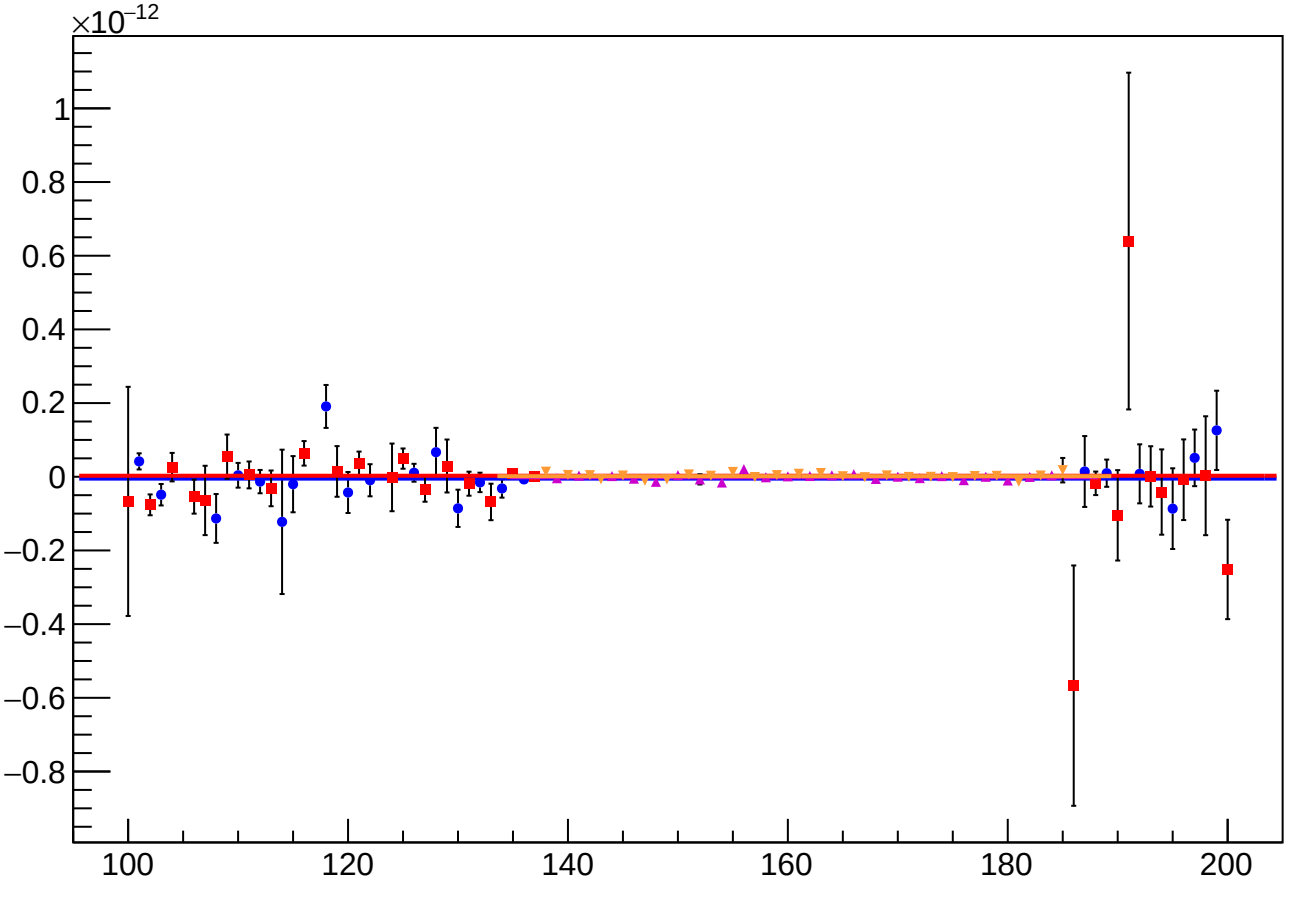
Right: 412.919+/-0.062 χ^2/NDF: 5232928.0/49

In: 190.944+/-0.027 χ^2/NDF:9827127.2/44

Out: 193.426+/-0.027 χ^2/NDF:12448405.5/52

All: 192.214+/-0.019 χ^2/NDF: 22279809.5/97

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

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

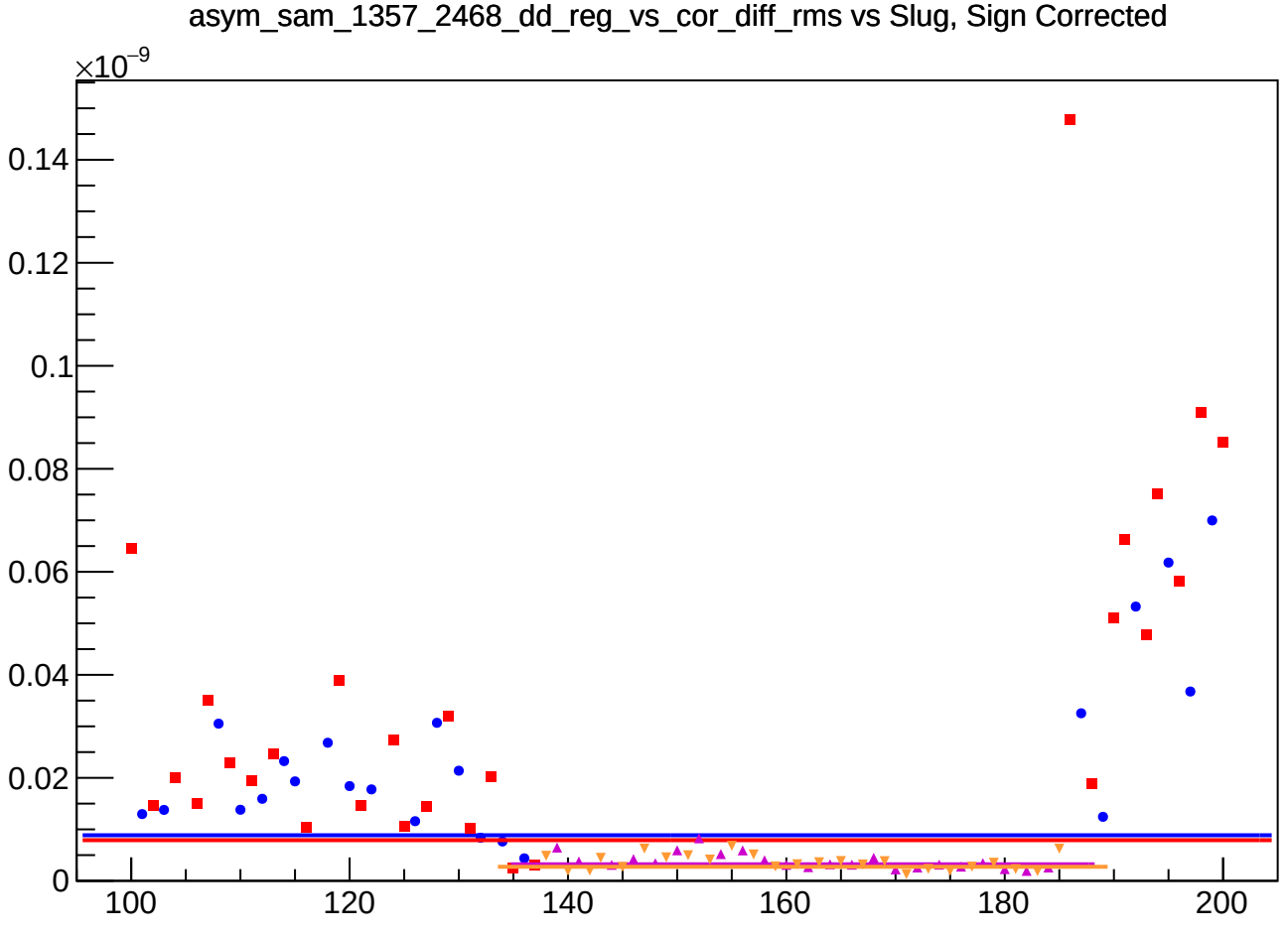
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/49

In: -0.000+/-0.000 χ^2/NDF:50.2/44

Out: 0.000+/-0.000 χ^2/NDF:51.8/52

All: 0.000+/-0.000 χ^2/NDF: 105.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 4126045.0/21

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

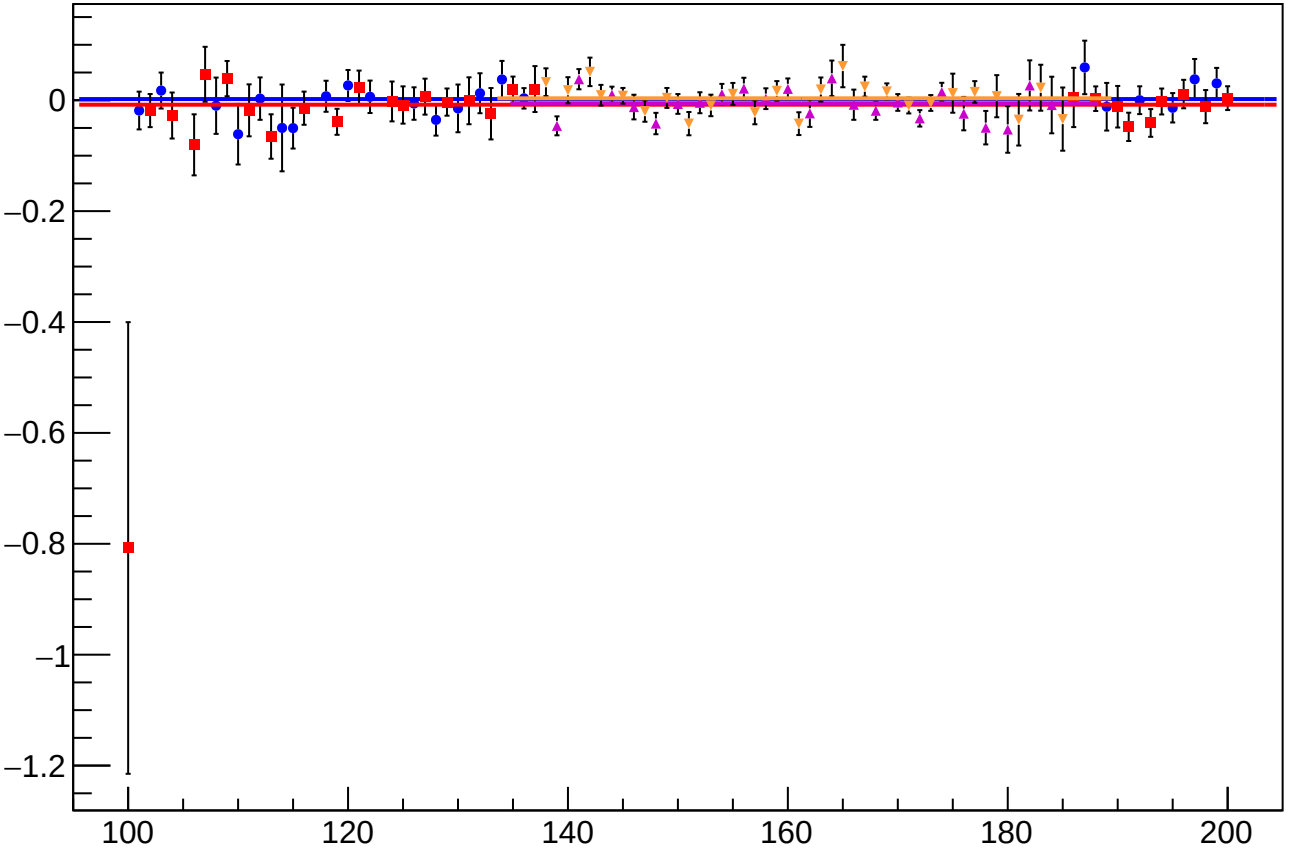
Right: 0.000+/-0.000 χ^2/NDF: 11264893.3/49

In: 0.000+/-0.000 χ^2/NDF:7419037.3/44

Out: 0.000+/-0.000 χ^2/NDF:10757823.7/52

All: 0.000+/-0.000 χ^2/NDF: 18389997.5/97

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

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

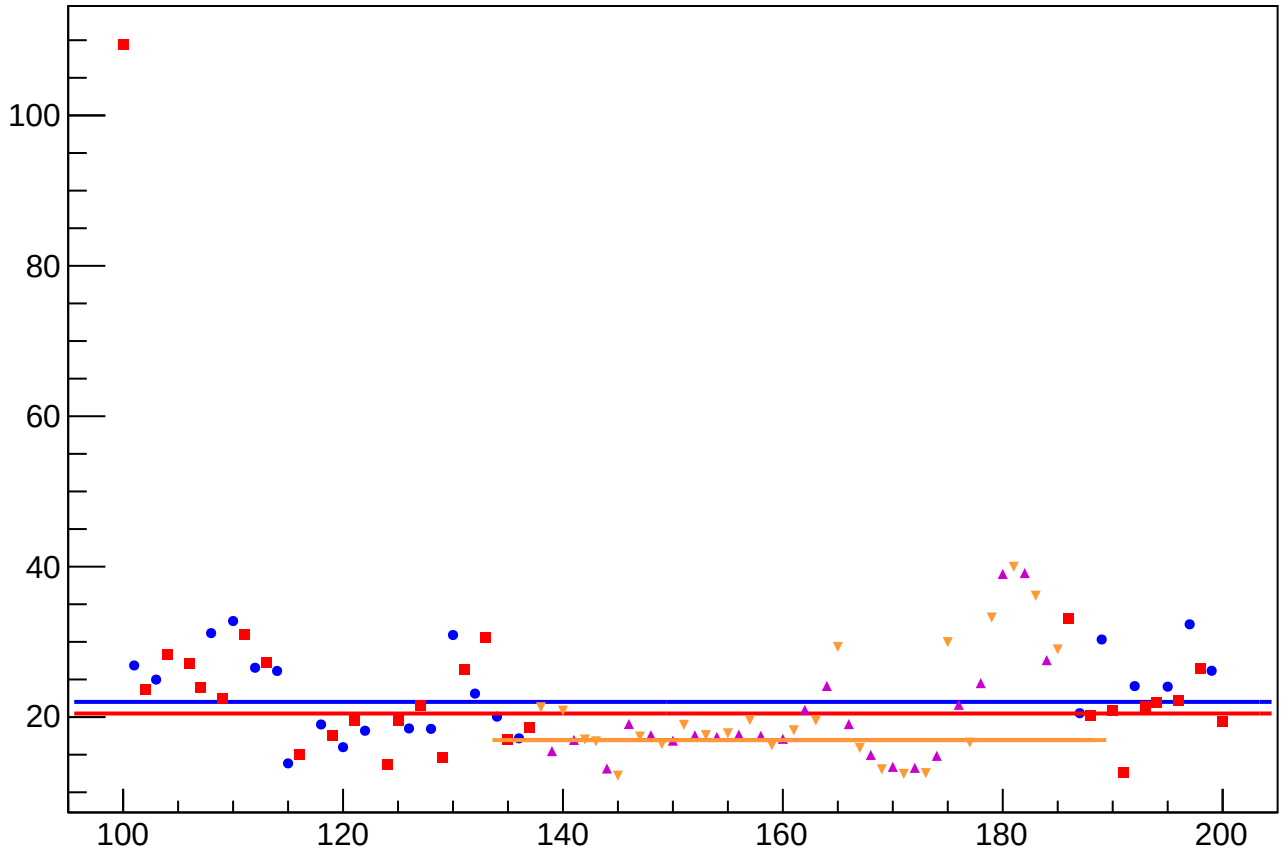
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.004+/-0.004 χ^2/NDF: 35.3/49

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/97



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

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

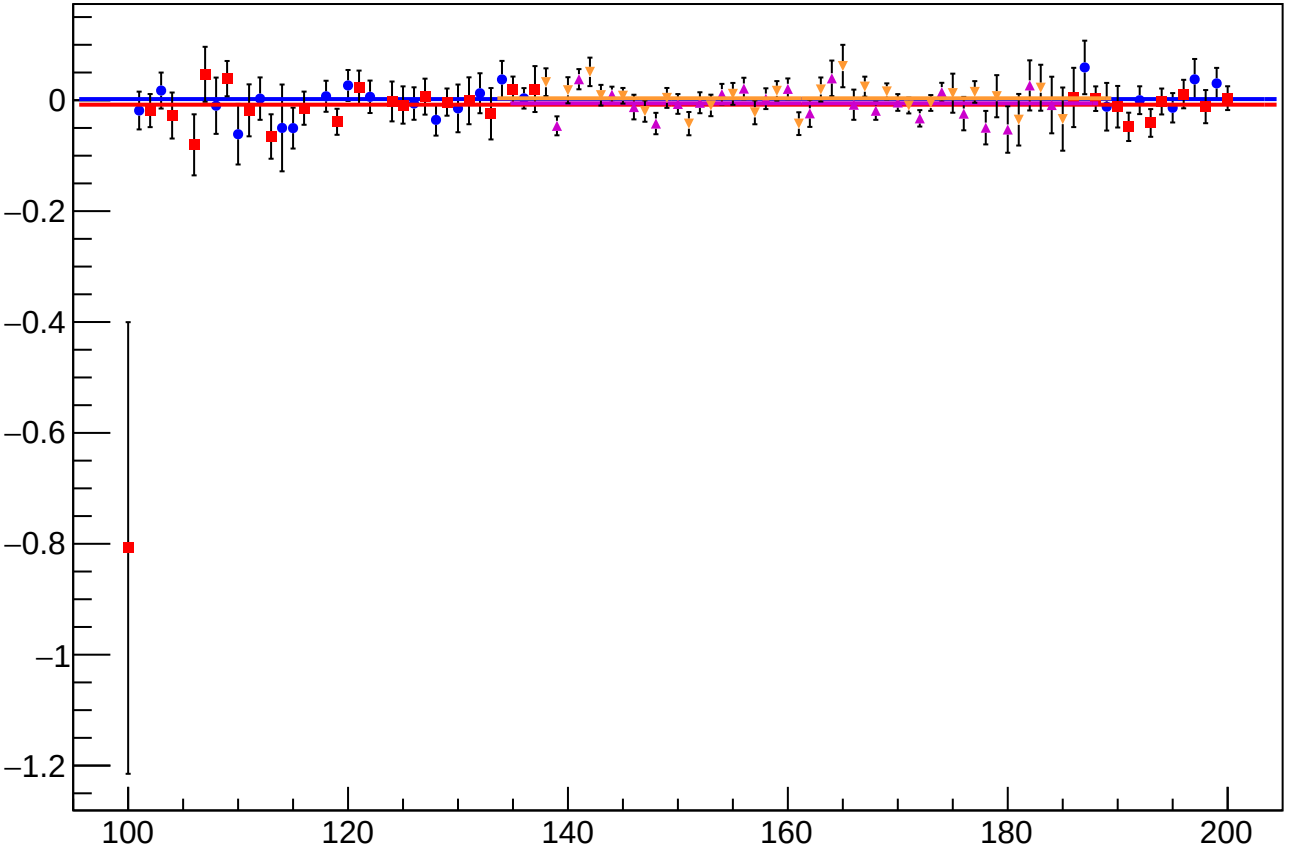
Right: 21.130+/-0.003 χ^2/NDF: 2410758.7/49

In: 18.329+/-0.003 χ^2/NDF:3822026.0/44

Out: 18.093+/-0.002 χ^2/NDF:4597645.9/52

All: 18.203+/-0.002 χ^2/NDF: 8424321.5/97

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

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

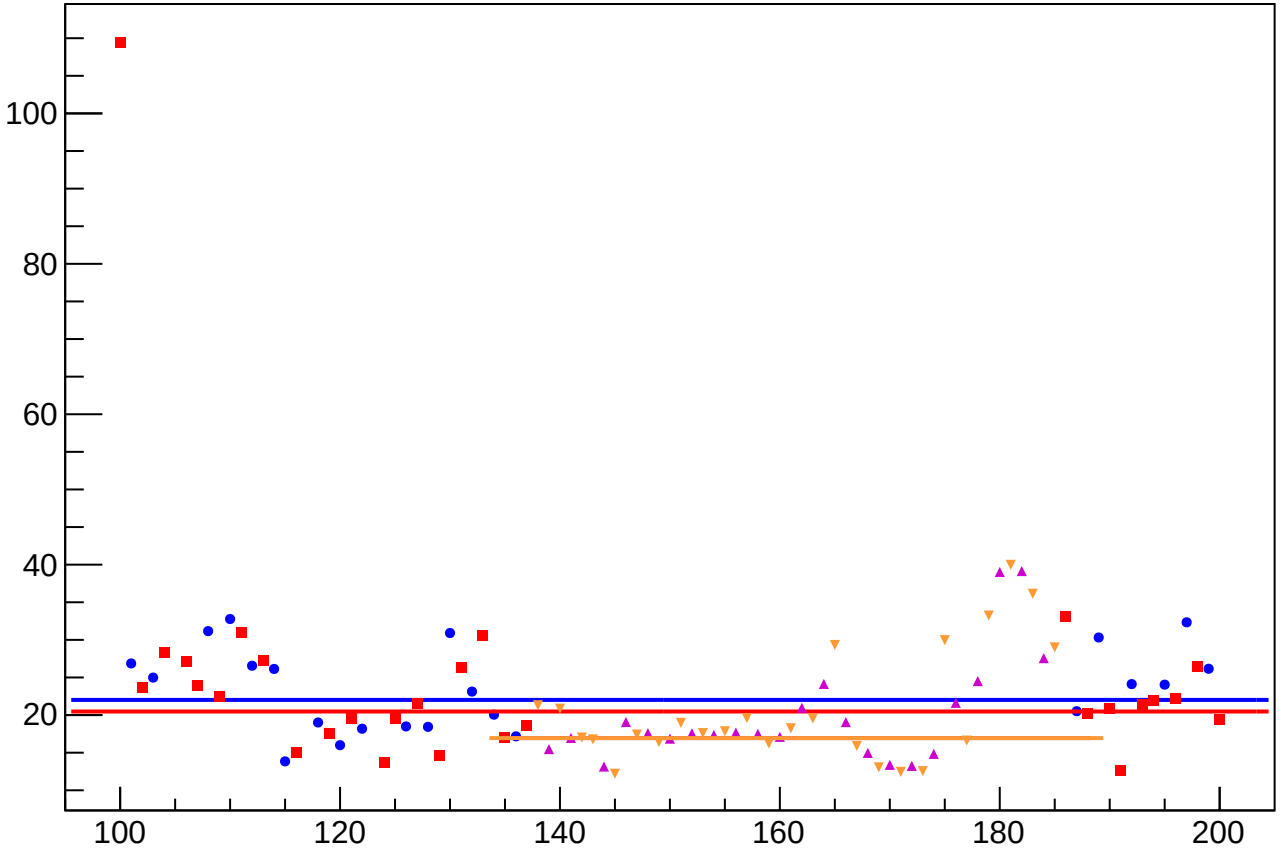
Right: -0.004+/-0.004 χ^2/NDF: 35.3/49

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/97

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

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

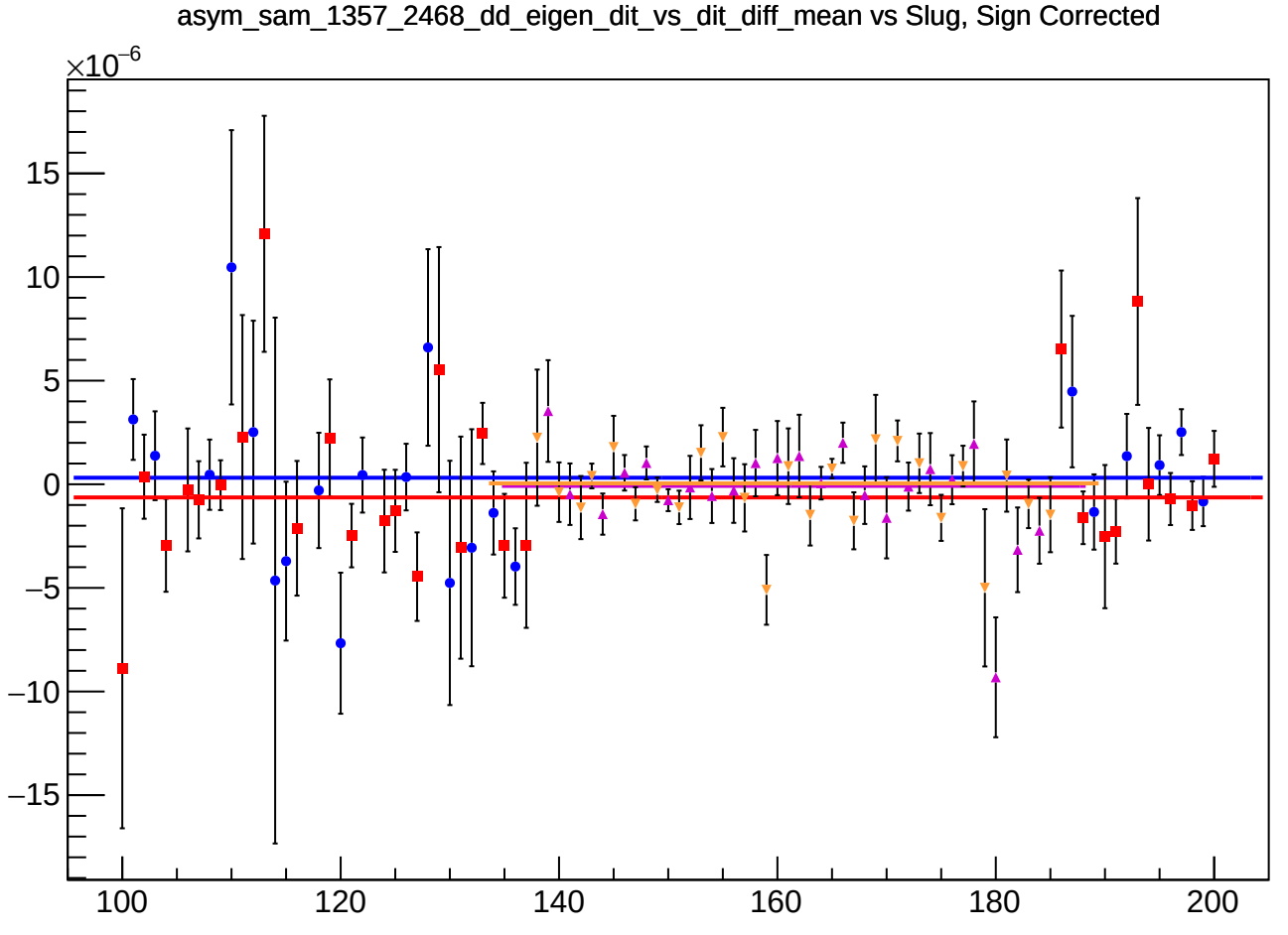
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.130+/-0.003 χ^2/NDF: 2410758.7/49

In: 18.329+/-0.003 χ^2/NDF:3822026.0/44

Out: 18.093+/-0.002 χ^2/NDF:4597645.9/52

All: 18.203+/-0.002 χ^2/NDF: 8424321.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/21

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

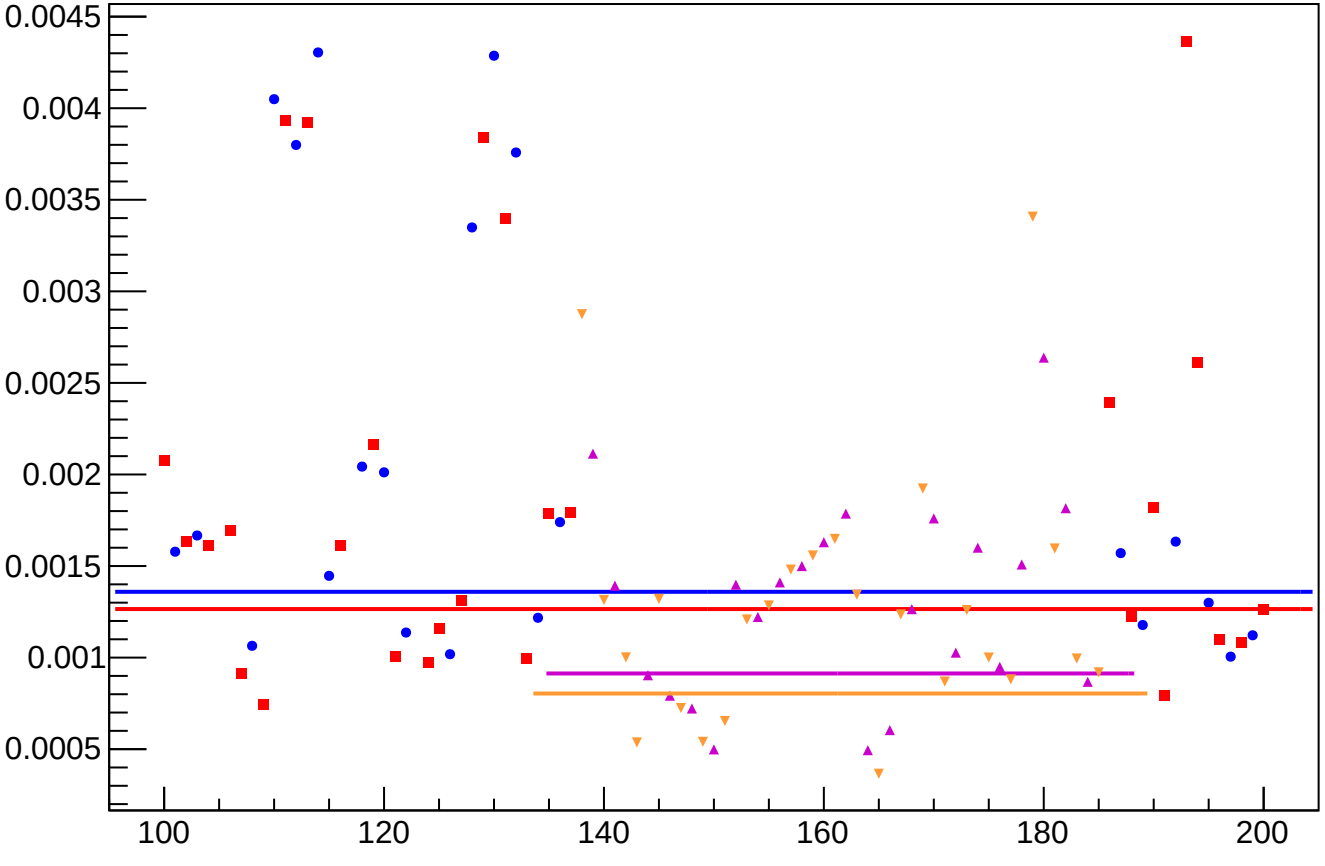
Right: -0.000+/-0.000 χ^2/NDF: 63.0/49

In: 0.000+/-0.000 χ^2/NDF:59.6/44

Out: -0.000+/-0.000 χ^2/NDF:71.8/52

All: -0.000+/-0.000 χ^2/NDF: 131.7/97

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2935949.5/21

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

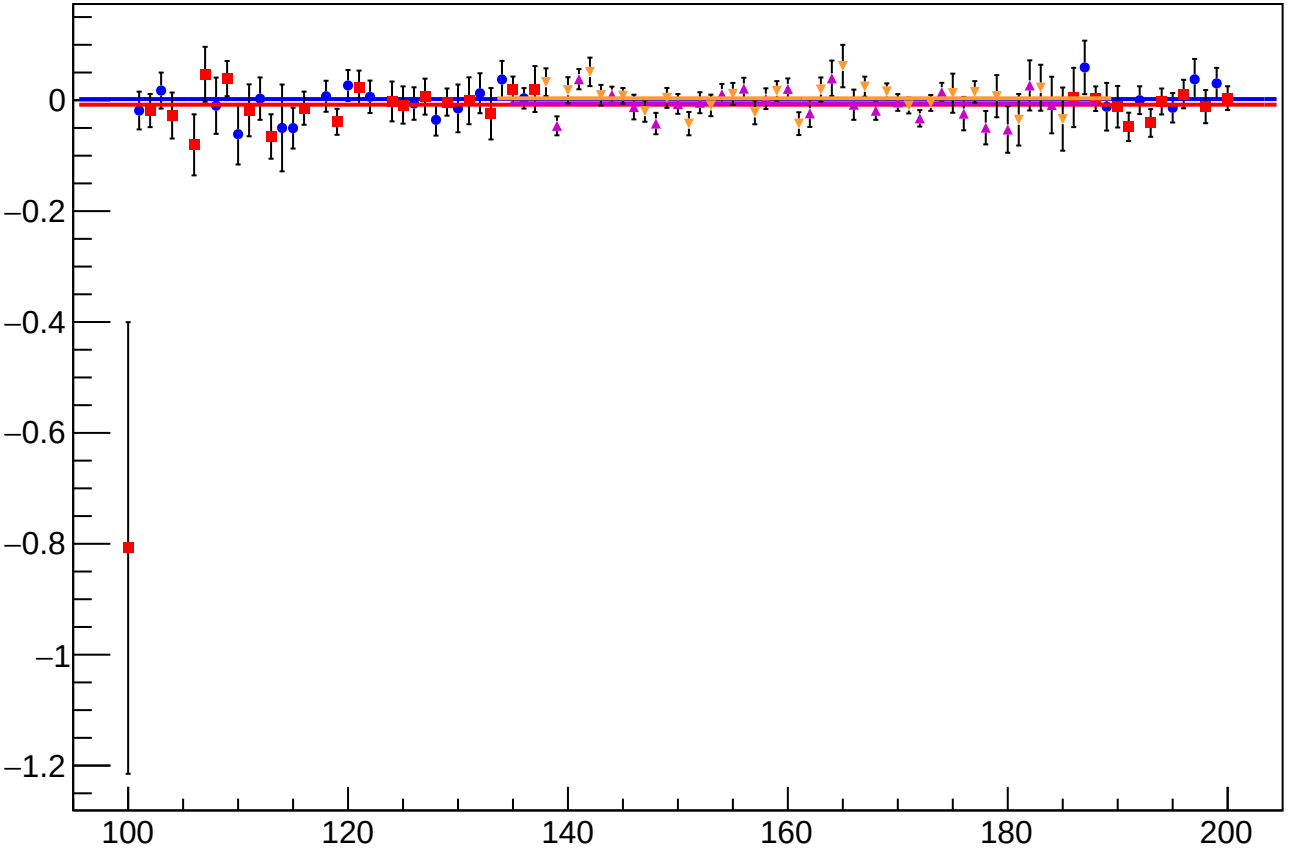
Right: 0.001+/-0.000 χ^2/NDF: 7418219.6/49

In: 0.001+/-0.000 χ^2/NDF:10947084.9/44

Out: 0.001+/-0.000 χ^2/NDF:14947321.0/52

All: 0.001+/-0.000 χ^2/NDF: 26183634.1/97

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

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

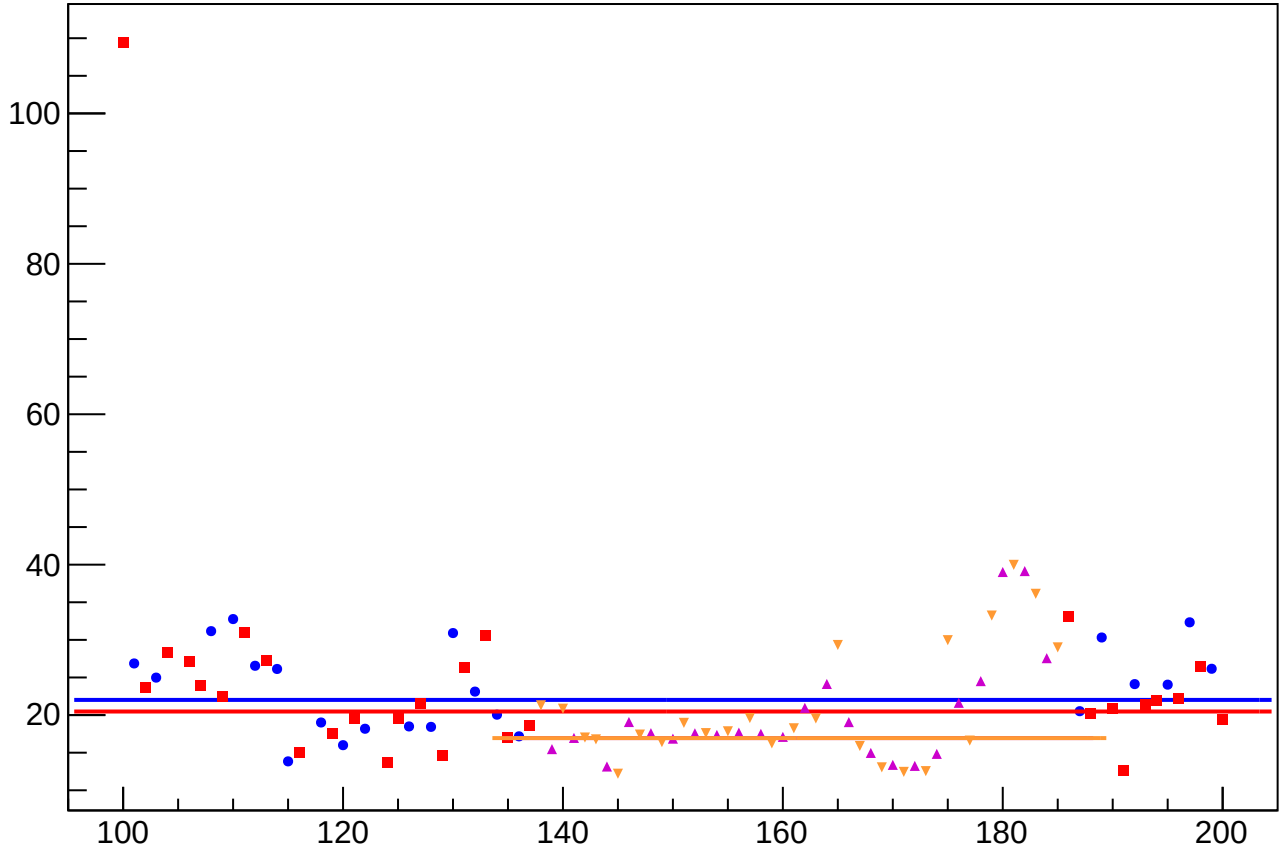
Right: -0.004+/-0.004 χ^2/NDF: 35.2/49

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/97

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

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

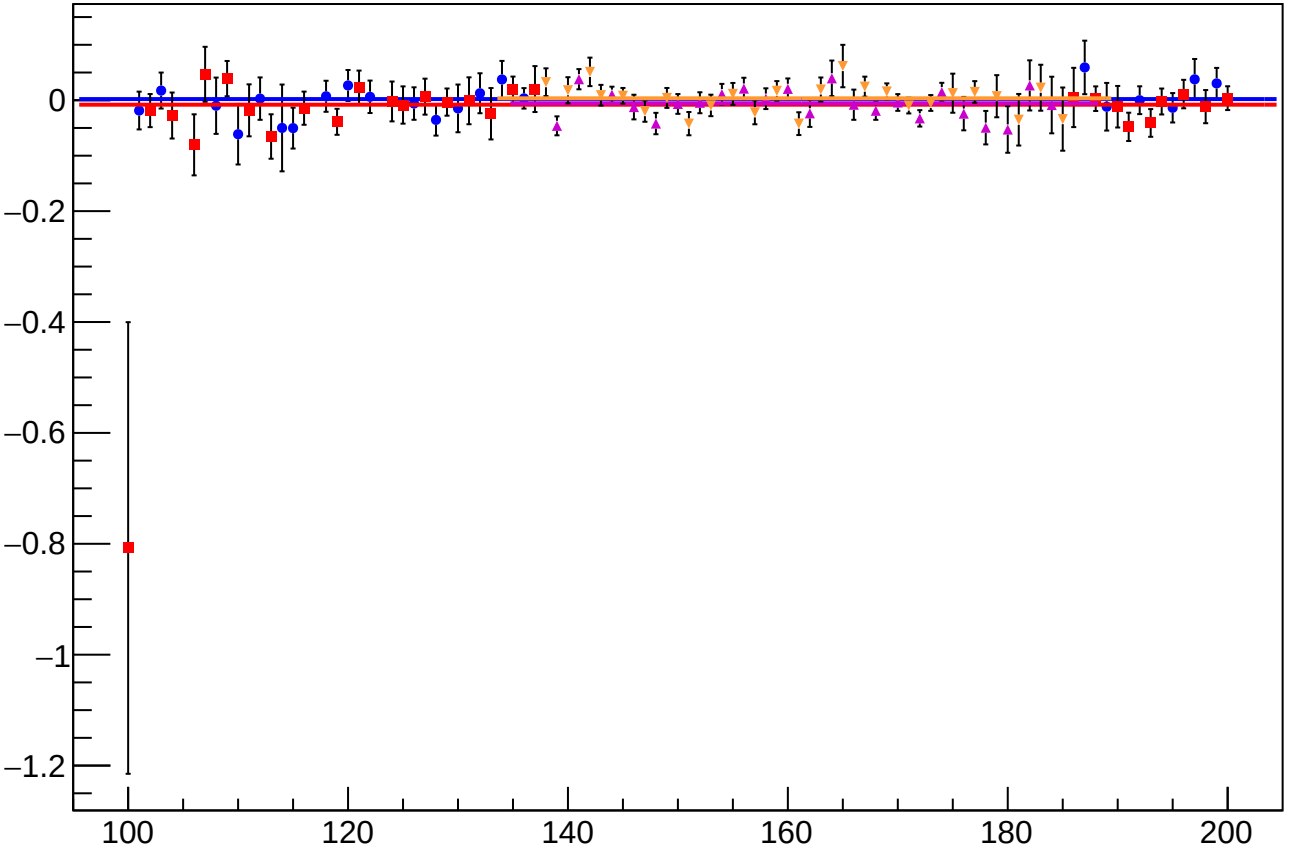
Right: 21.130+/-0.003 χ^2/NDF: 2410725.4/49

In: 18.329+/-0.003 χ^2/NDF:3821826.6/44

Out: 18.093+/-0.002 χ^2/NDF:4597511.7/52

All: 18.203+/-0.002 χ^2/NDF: 8423986.8/97

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: 12.3/21

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

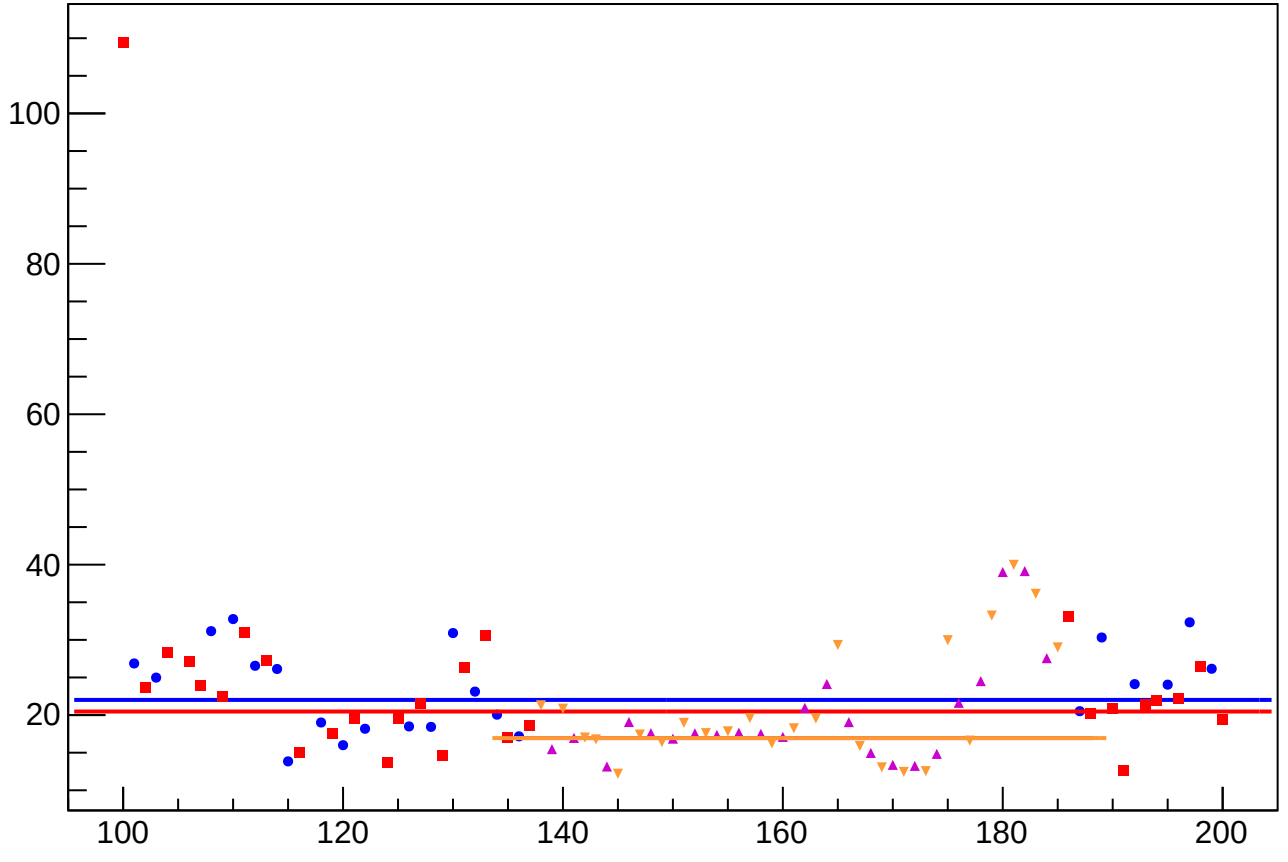
Right: -0.004+/-0.004 χ^2/NDF: 35.2/49

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/52

All: -0.002+/-0.002 χ^2/NDF: 98.0/97

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

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

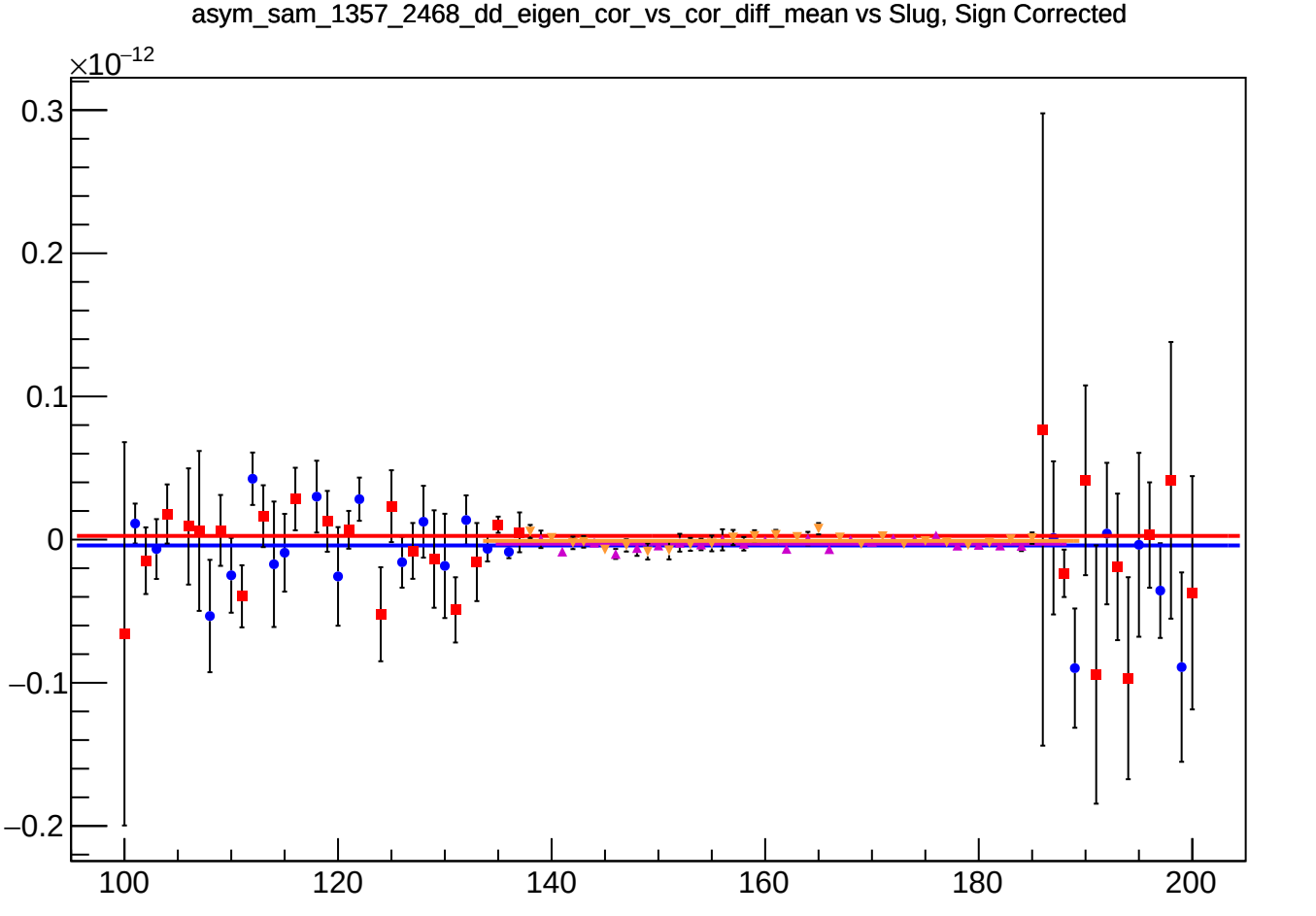
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

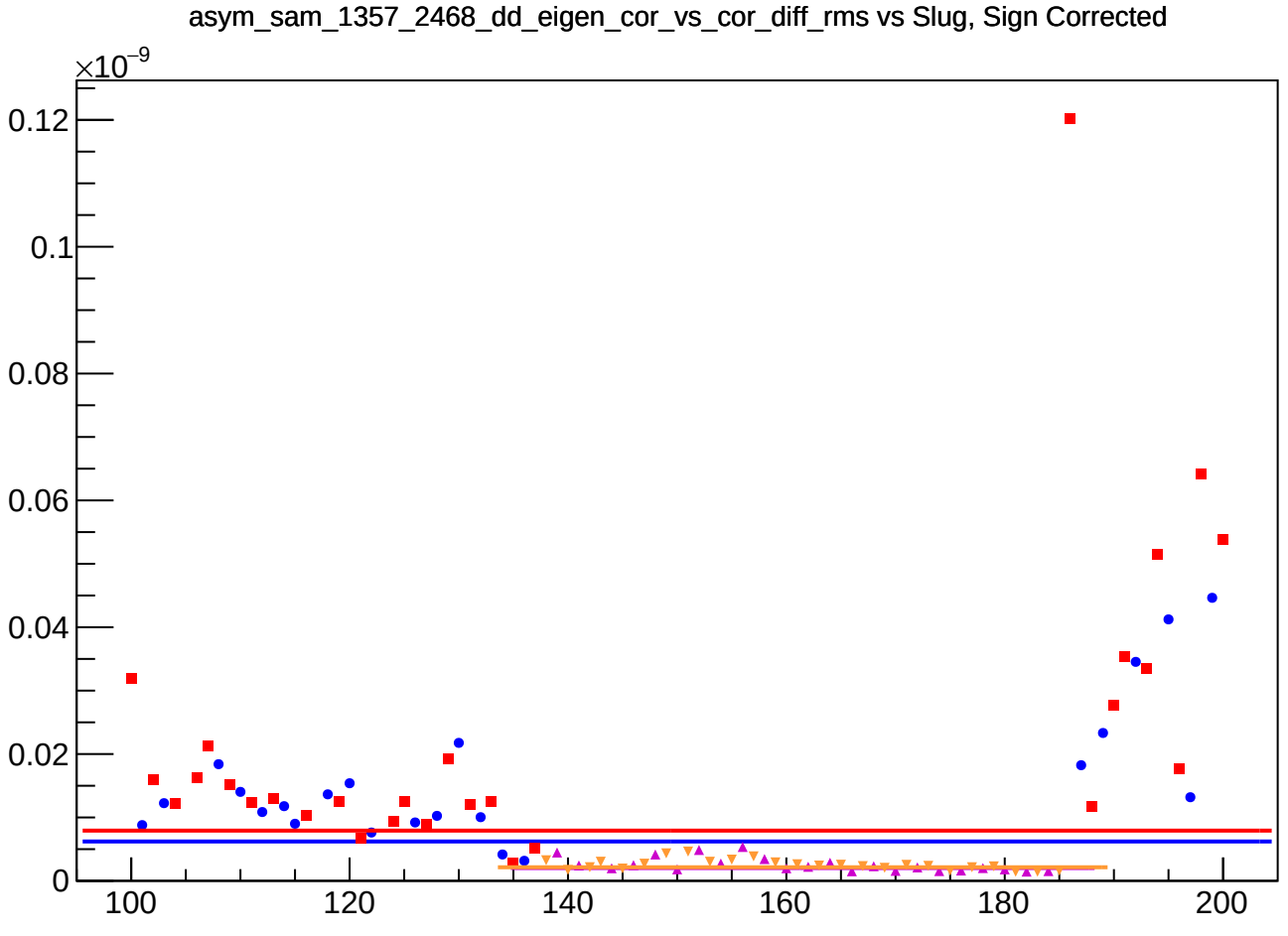
Right: 21.130+/-0.003 χ^2/NDF: 2410725.4/49

In: 18.329+/-0.003 χ^2/NDF:3821826.6/44

Out: 18.093+/-0.002 χ^2/NDF:4597511.7/52

All: 18.203+/-0.002 χ^2/NDF: 8423986.8/97


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: 26.9/21
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: 54.3/49
In: -0.000+/-0.000 χ²/NDF:50.1/44
Out: -0.000+/-0.000 χ²/NDF:50.0/52
All: -0.000+/-0.000 χ²/NDF: 105.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5211737.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926597.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

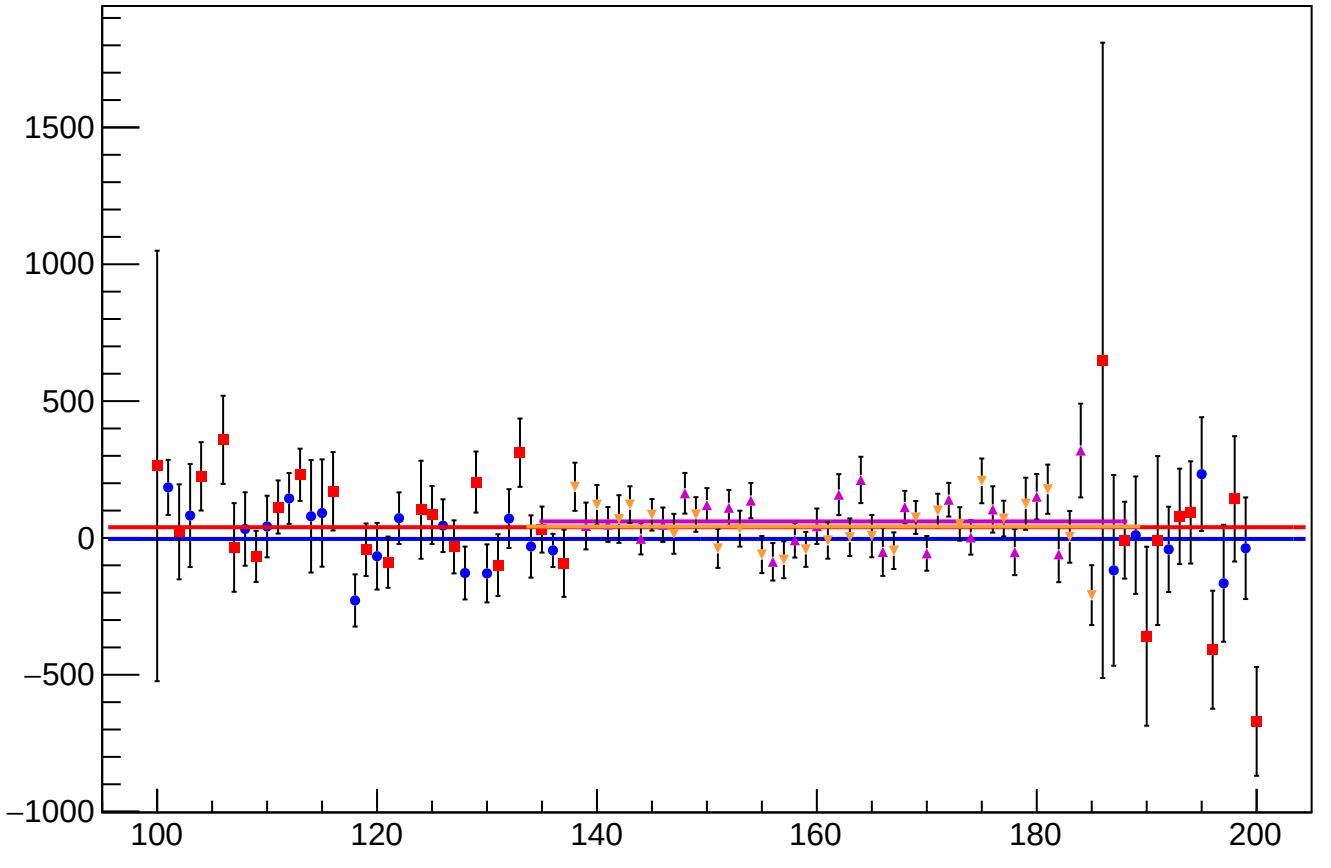
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12381883.1/49

In: 0.000+/-0.000 χ^2/NDF:10867636.8/44

Out: 0.000+/-0.000 χ^2/NDF:13818599.7/52

All: 0.000+/-0.000 χ^2/NDF: 24731103.7/97



Right In: -3.645+/-24.996 χ^2/NDF: 19.8/21

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

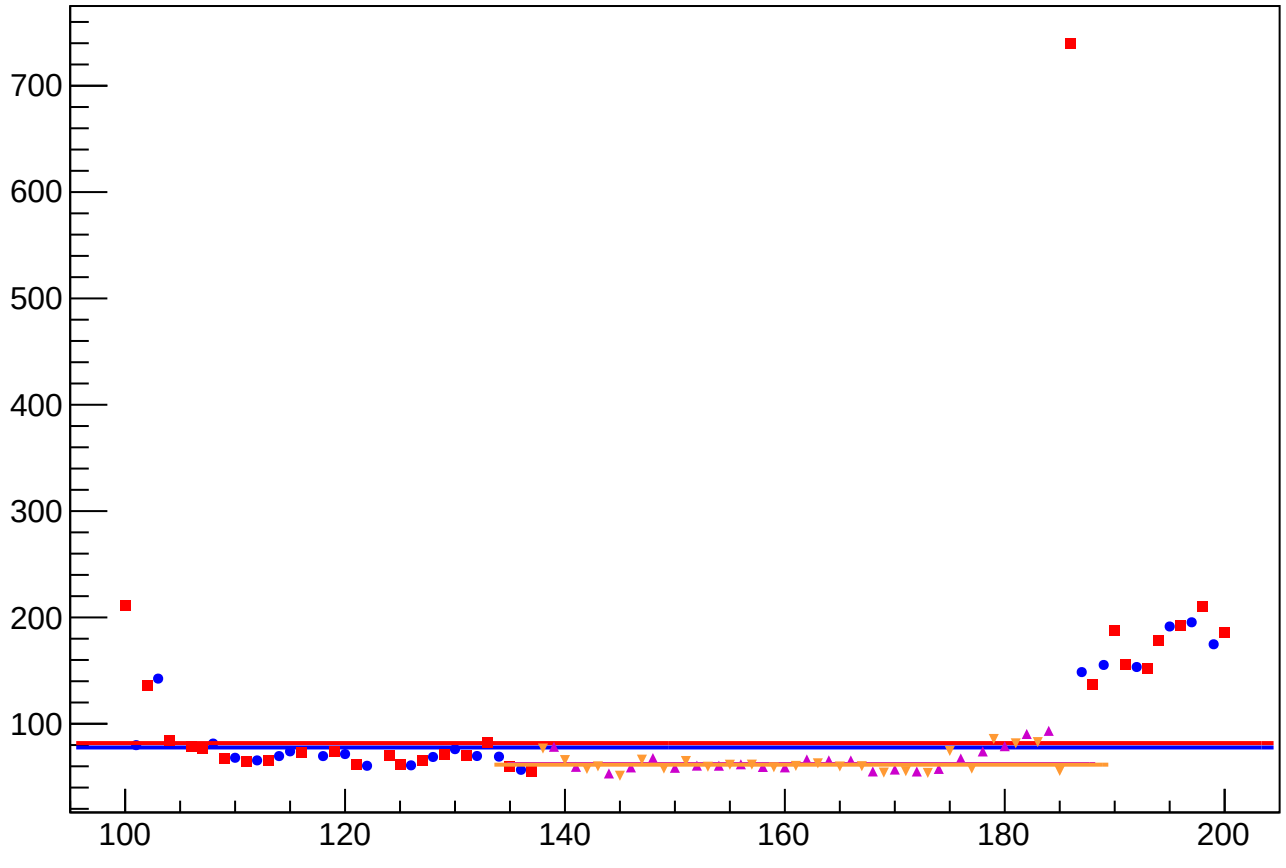
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 18.013+/-17.579 χ^2/NDF: 66.8/49

In: 43.902+/-12.680 χ^2/NDF:56.8/44

Out: 41.318+/-12.302 χ^2/NDF:77.6/52

All: 42.571+/-8.829 χ^2/NDF: 134.5/97



Right In: 77.711+/-0.018 χ^2/NDF: 3286540.9/21

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

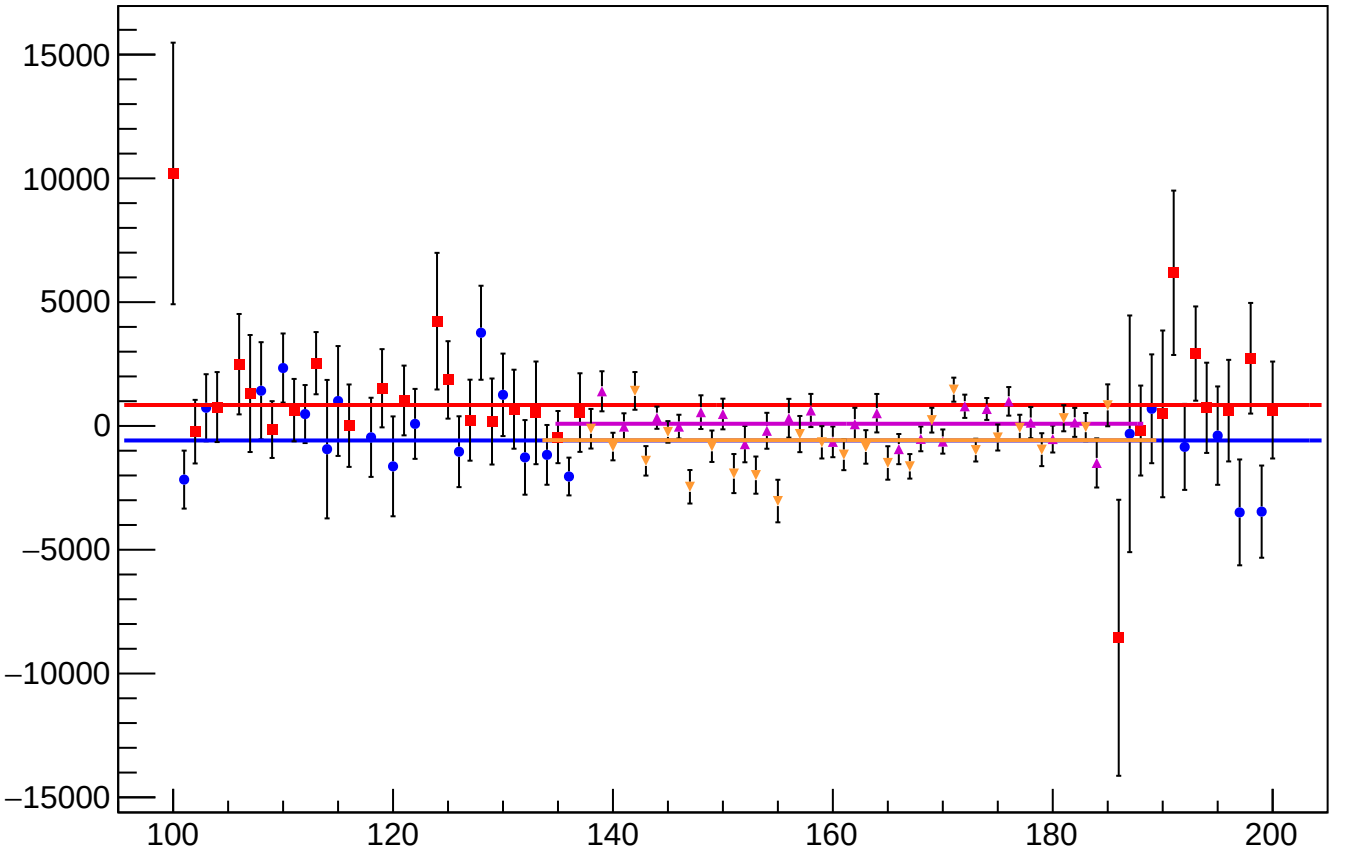
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 79.798+/-0.012 χ^2/NDF: 8090493.3/49

In: 66.150+/-0.009 χ^2/NDF:4459315.0/44

Out: 66.567+/-0.009 χ^2/NDF:6428203.7/52

All: 66.365+/-0.006 χ^2/NDF: 10888634.9/97



Right In: -586.493+/-323.444 χ^2/NDF: 25.3/21

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

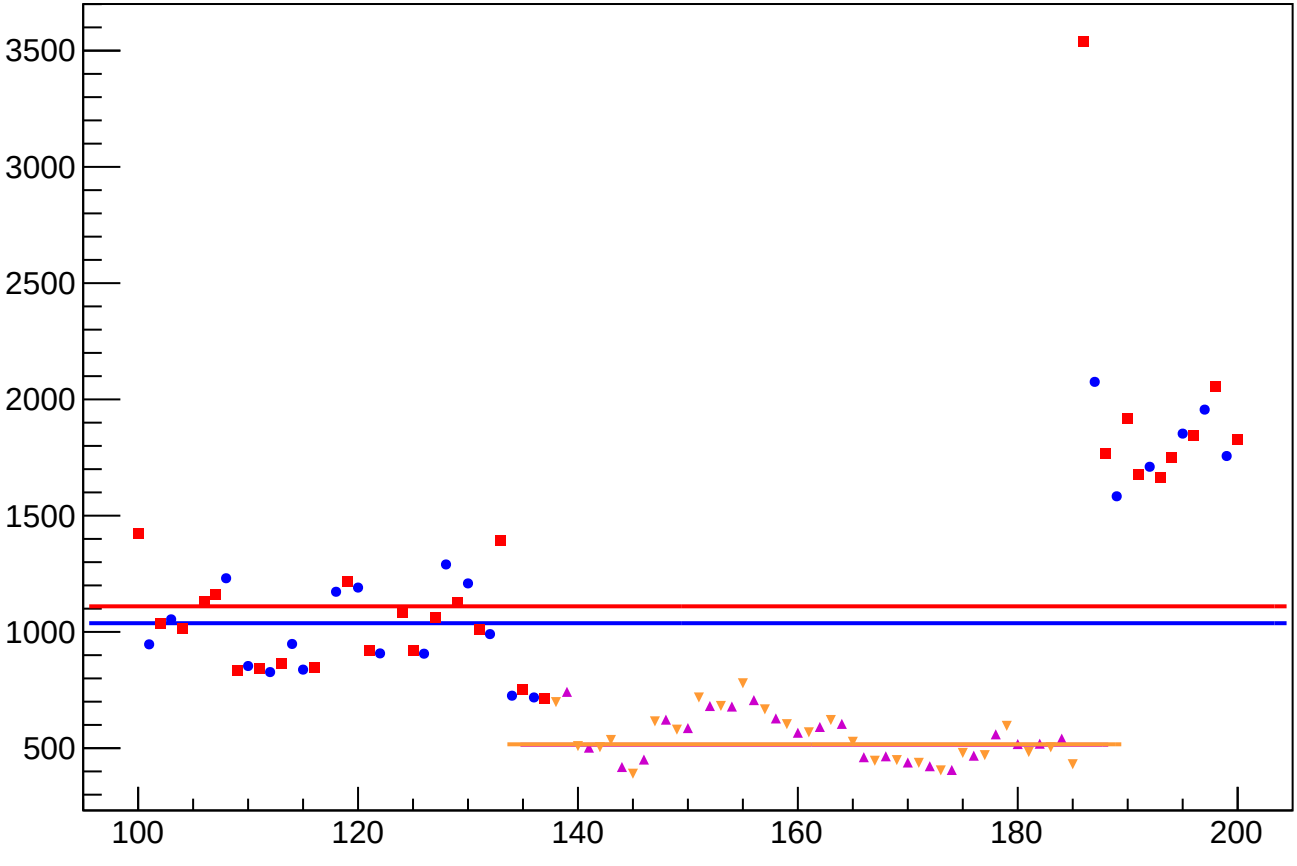
Right: 139.195+/-227.206 χ^2/NDF: 54.4/49

In: 3.688+/-114.553 χ^2/NDF:53.7/44

Out: -399.574+/-112.110 χ^2/NDF:105.2/52

All: -202.289+/-80.123 χ^2/NDF: 165.3/97

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1037.466+/-0.229 χ^2/NDF: 2273231.3/21

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

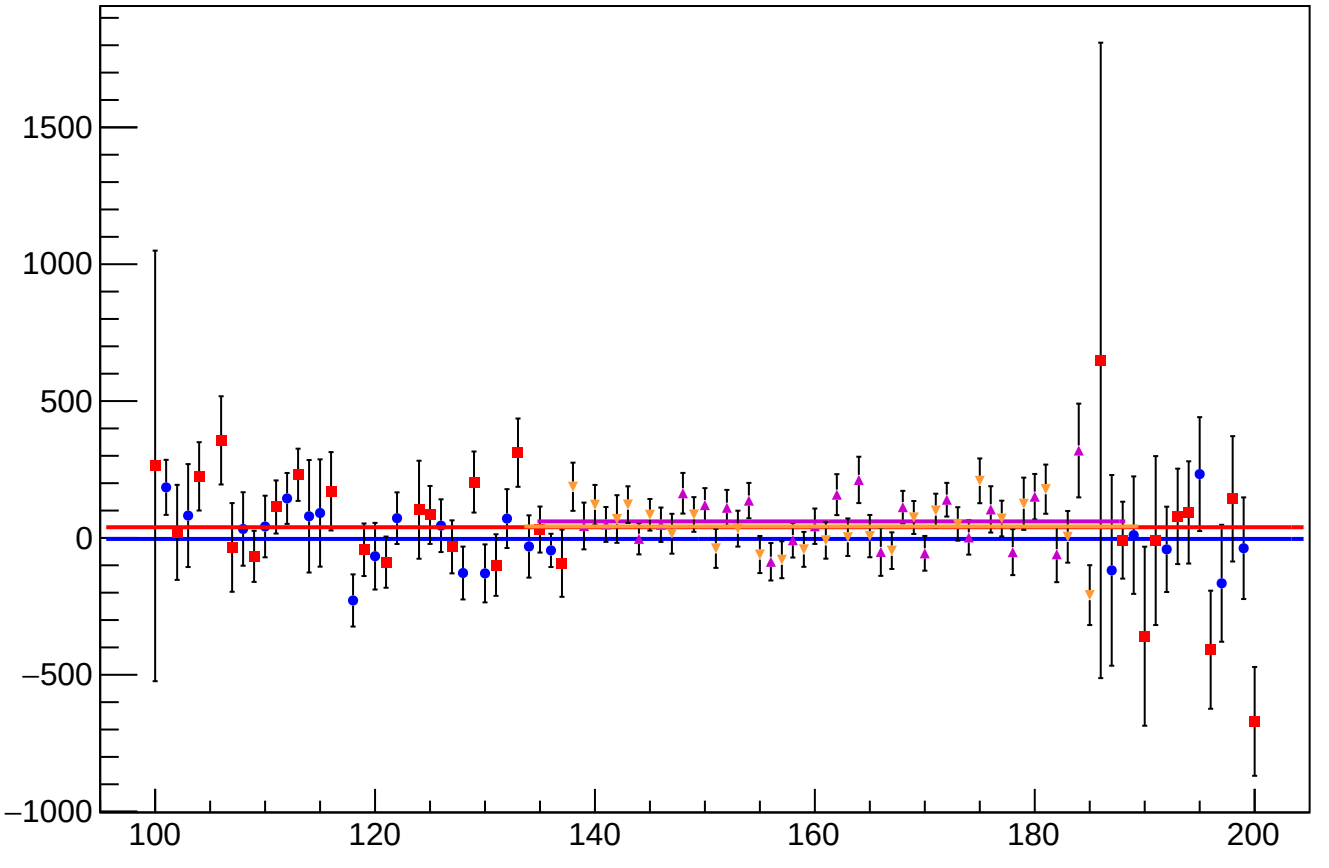
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1074.244+/-0.161 χ^2/NDF: 5278547.3/49

In: 580.343+/-0.081 χ^2/NDF:7961453.1/44

Out: 589.824+/-0.079 χ^2/NDF:10278338.9/52

All: 585.186+/-0.057 χ^2/NDF: 18246789.0/97



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

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

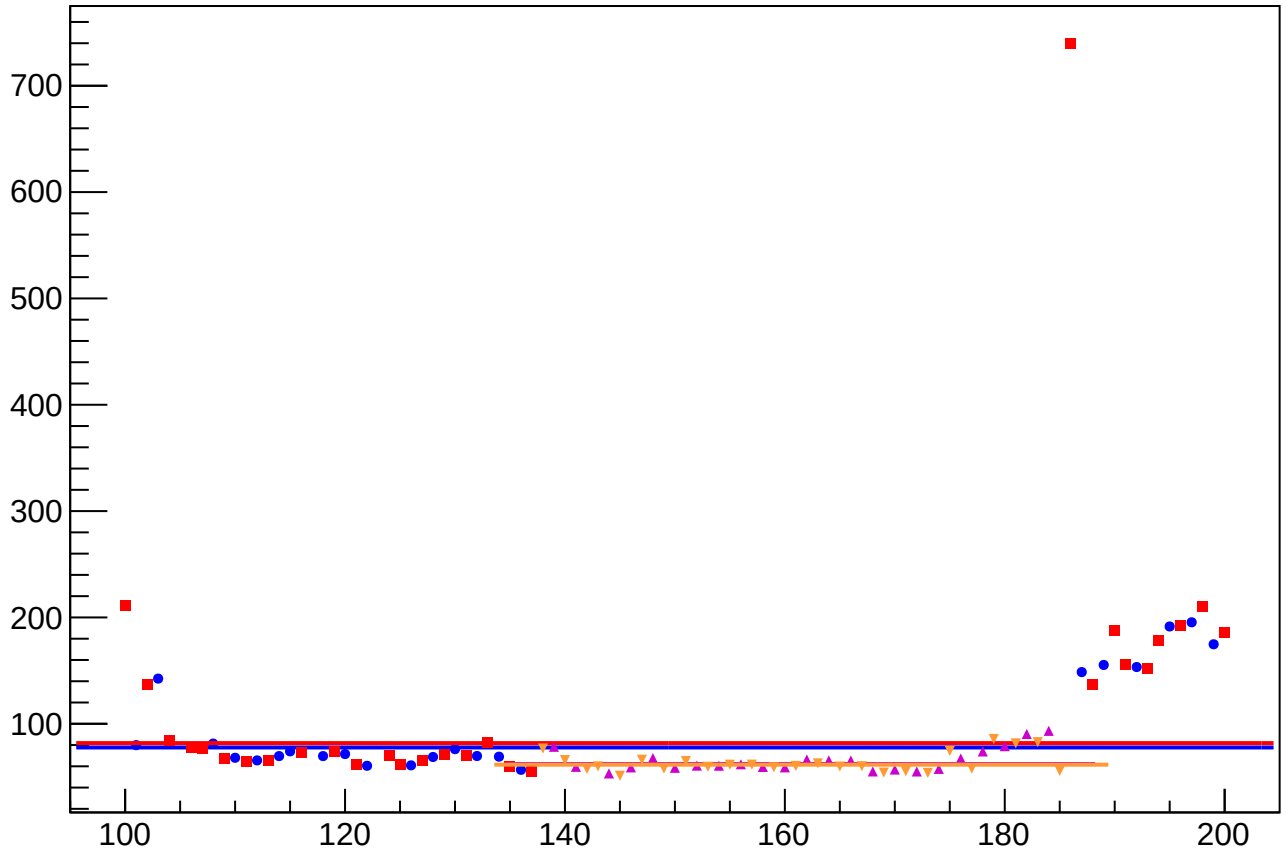
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 17.954+/-17.580 χ^2/NDF: 66.8/49

In: 43.900+/-12.680 χ^2/NDF:56.8/44

Out: 41.295+/-12.302 χ^2/NDF:77.6/52

All: 42.558+/-8.829 χ^2/NDF: 134.4/97



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

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

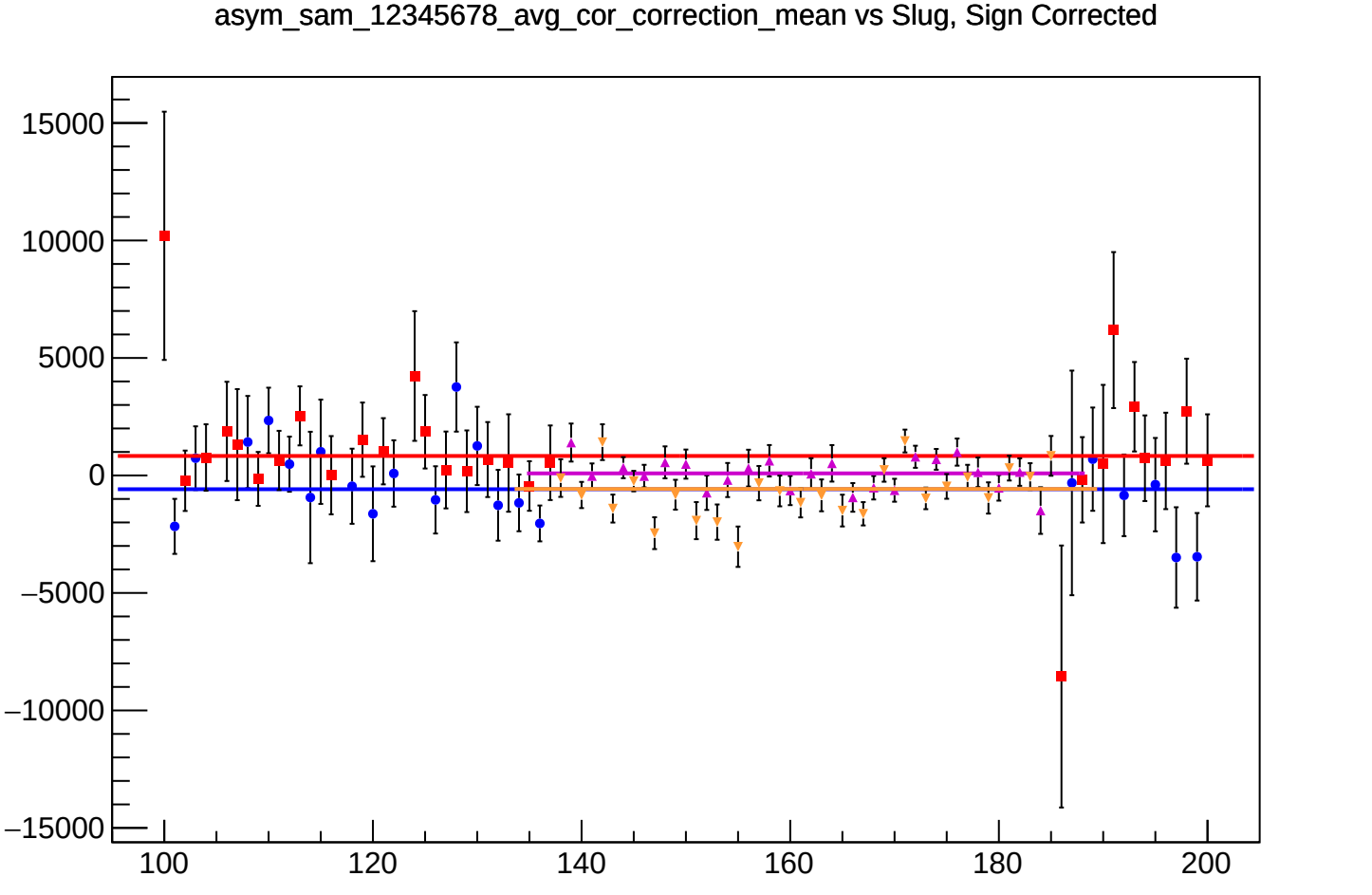
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 79.790+/-0.012 χ^2/NDF: 8090984.3/49

In: 66.150+/-0.009 χ^2/NDF:4459318.1/44

Out: 66.563+/-0.009 χ^2/NDF:6427249.7/52

All: 66.363+/-0.006 χ^2/NDF: 10887661.4/97



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

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

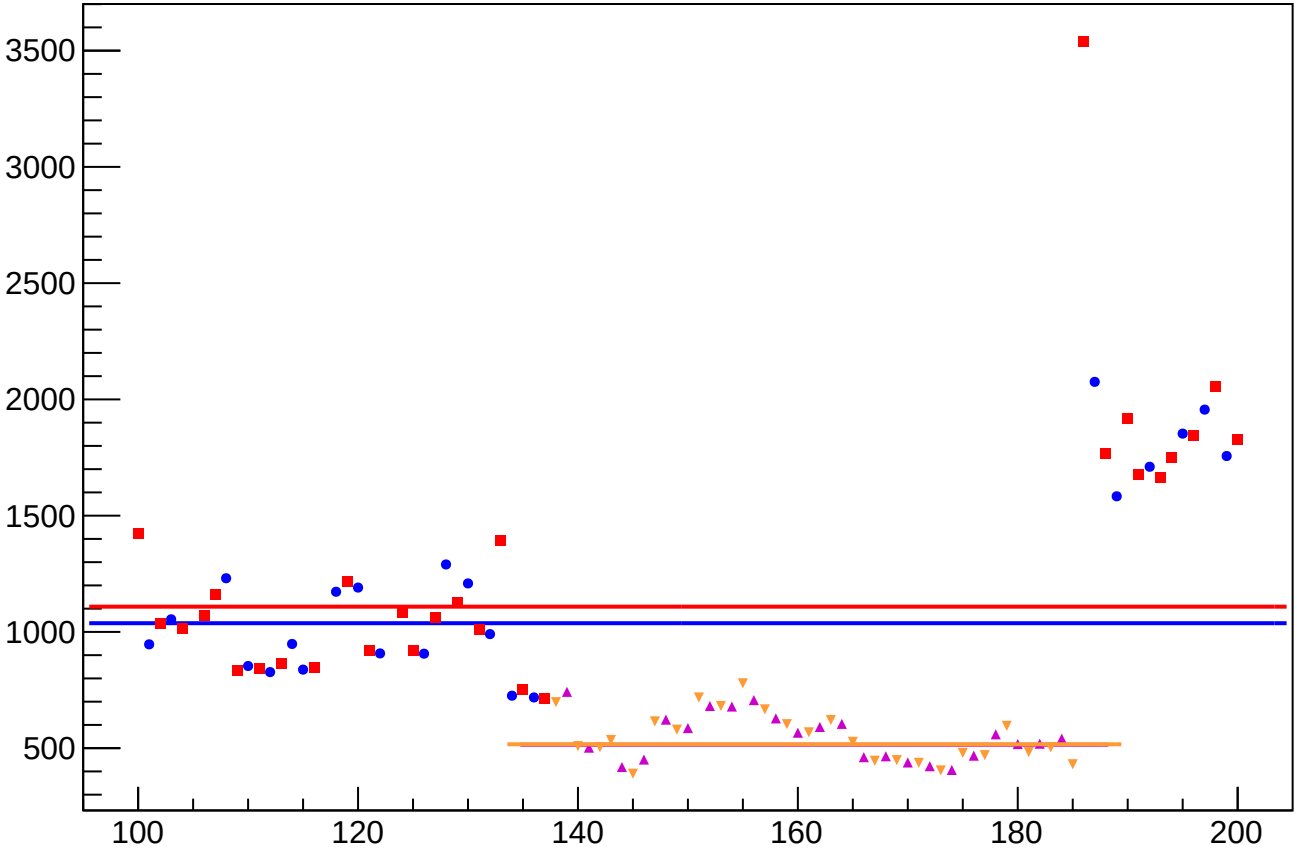
Right: 129.906+/-227.323 χ^2/NDF: 53.7/49

In: 3.691+/-114.553 χ^2/NDF:53.7/44

Out: -401.965+/-112.124 χ^2/NDF:104.4/52

All: -203.484+/-80.128 χ^2/NDF: 164.5/97

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

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

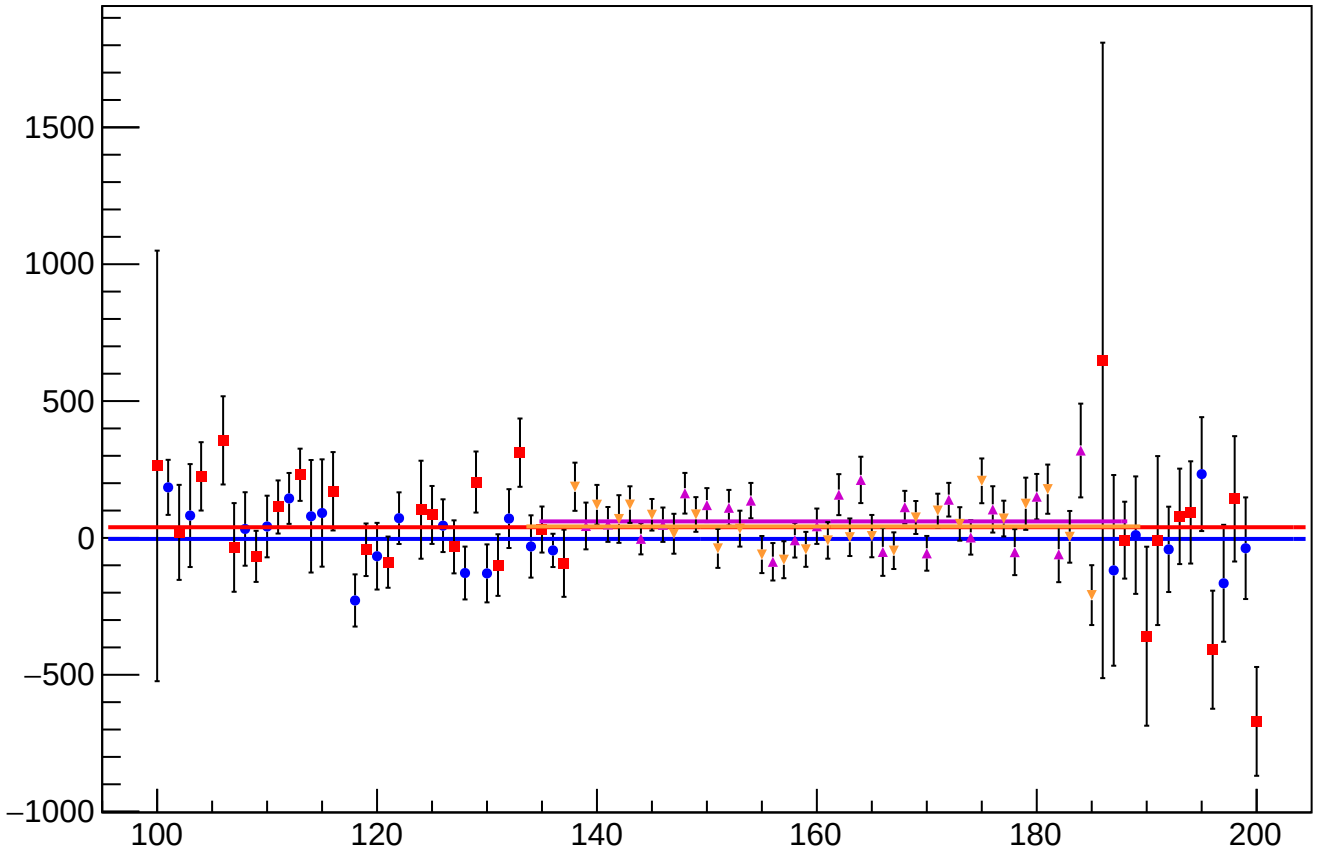
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1073.489+/-0.161 χ^2/NDF: 5276831.9/49

In: 580.343+/-0.081 χ^2/NDF:7961494.5/44

Out: 589.519+/-0.079 χ^2/NDF:10238956.6/52

All: 585.029+/-0.057 χ^2/NDF: 18207004.2/97



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

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

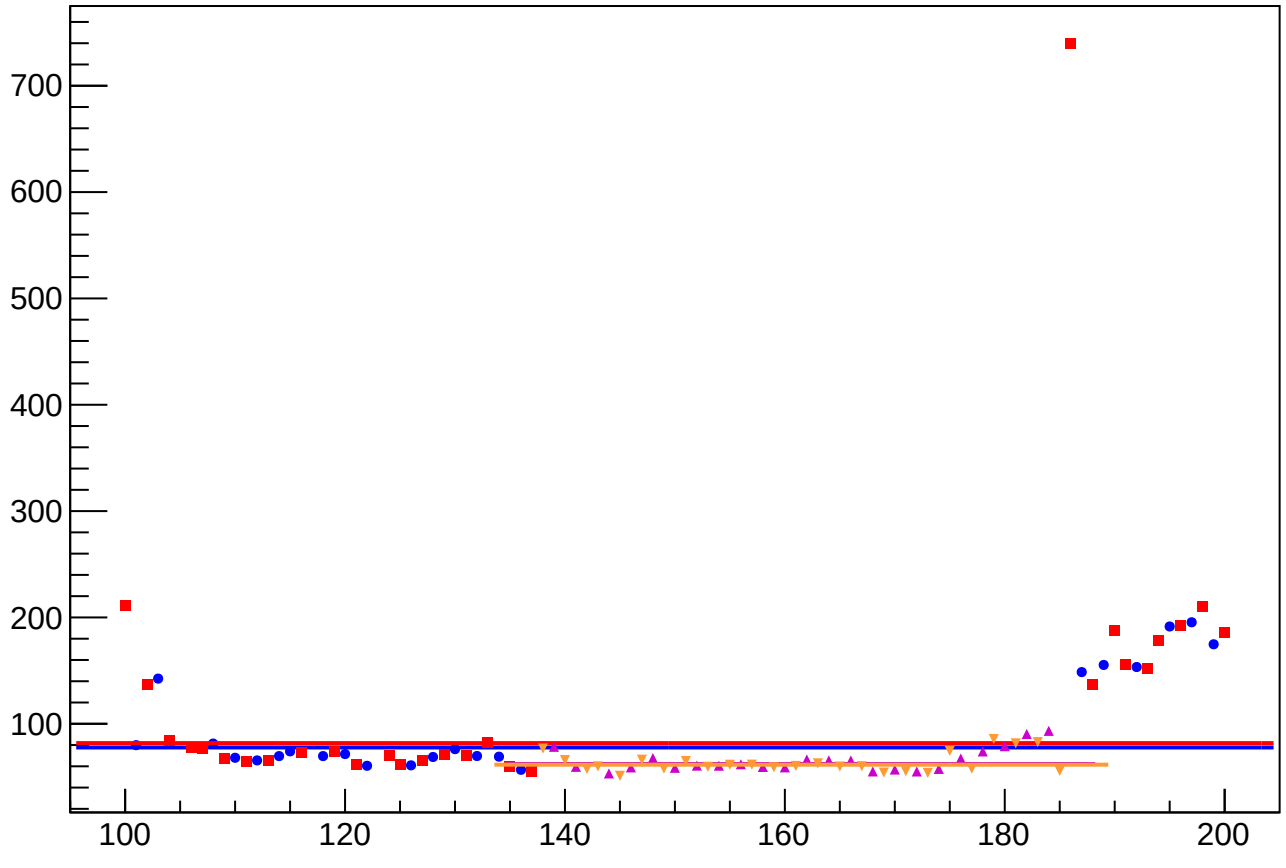
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 17.954+/-17.580 χ^2/NDF: 66.8/49

In: 43.900+/-12.680 χ^2/NDF:56.8/44

Out: 41.295+/-12.302 χ^2/NDF:77.6/52

All: 42.558+/-8.829 χ^2/NDF: 134.4/97



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

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

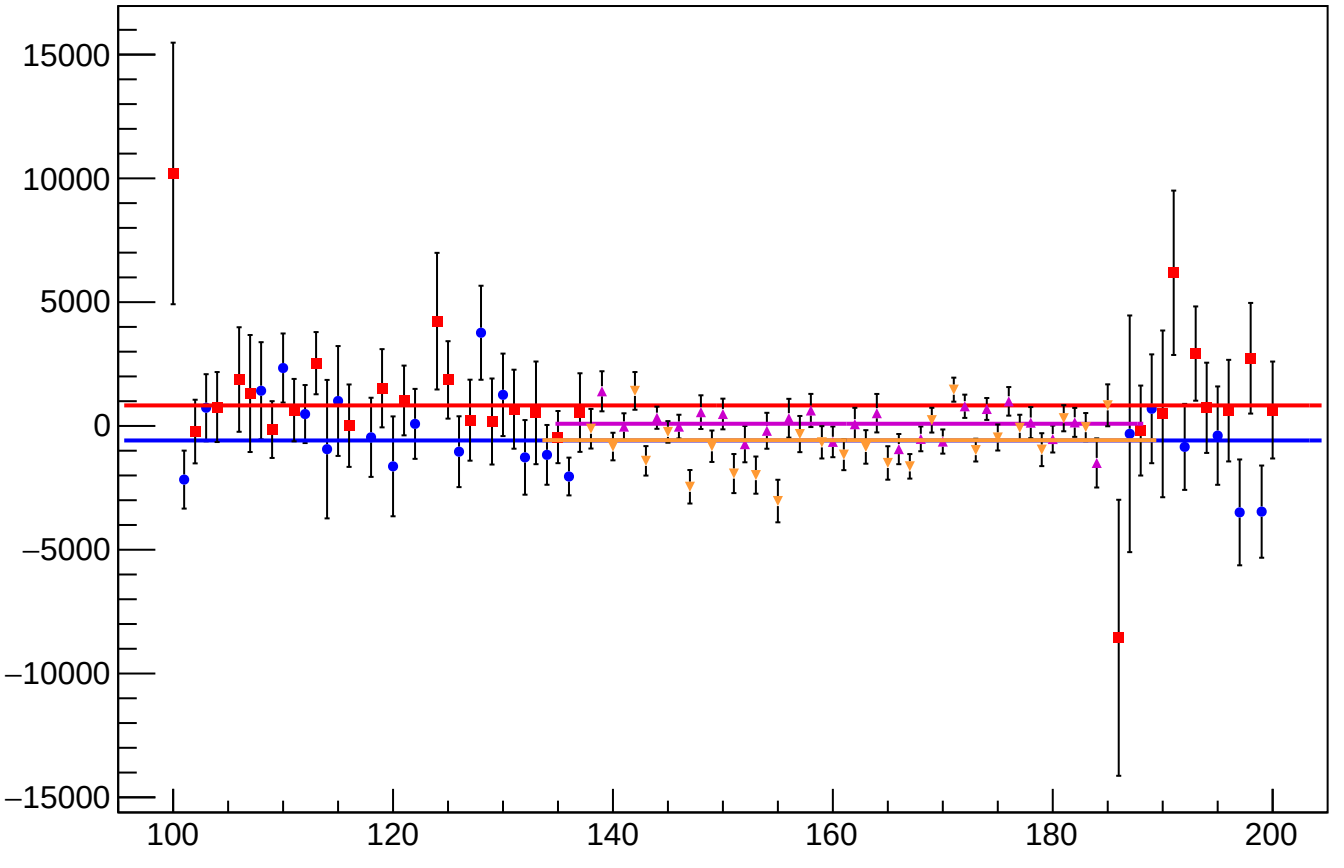
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 79.790+/-0.012 χ^2/NDF: 8090984.3/49

In: 66.150+/-0.009 χ^2/NDF:4459318.1/44

Out: 66.563+/-0.009 χ^2/NDF:6427249.7/52

All: 66.363+/-0.006 χ^2/NDF: 10887661.4/97



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

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

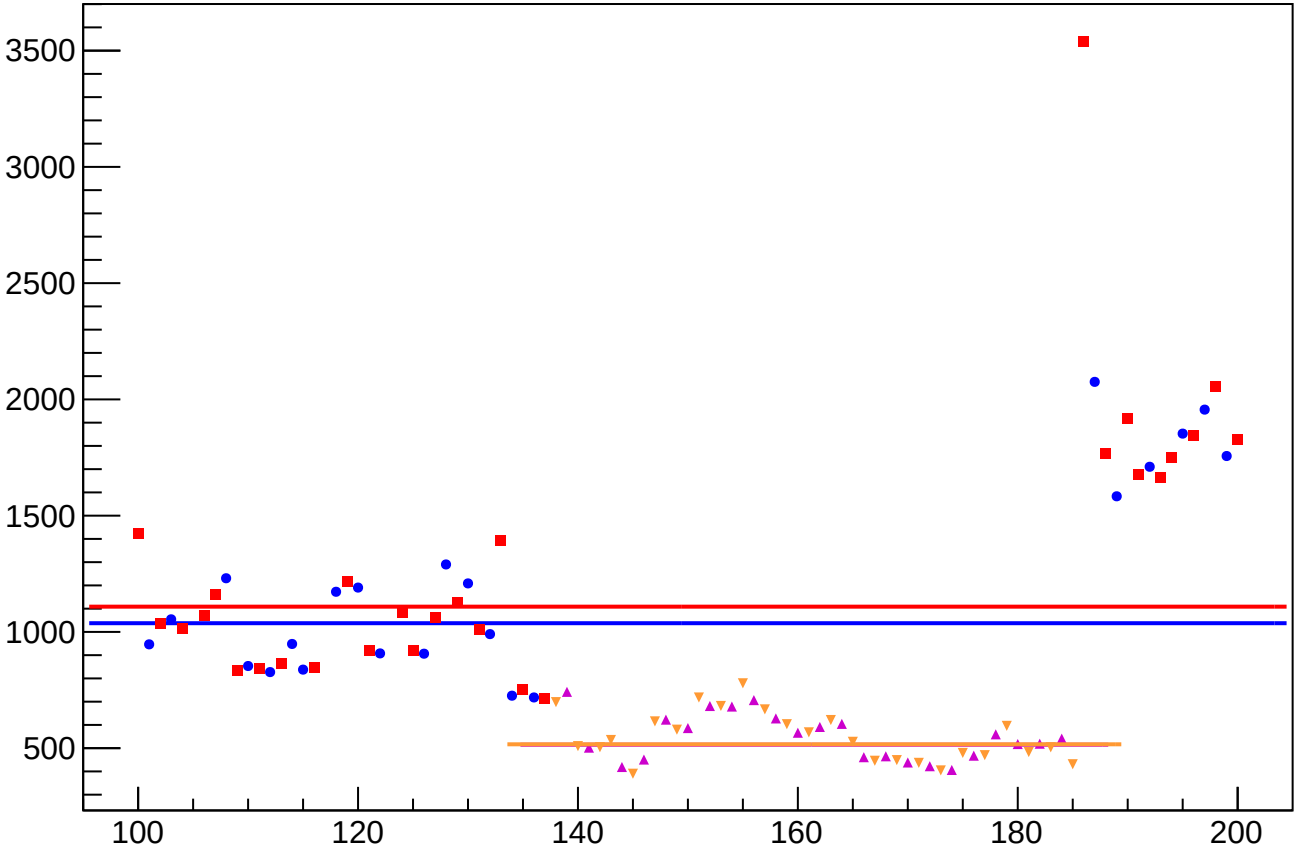
Right: 129.906+/-227.323 χ^2/NDF: 53.7/49

In: 3.691+/-114.553 χ^2/NDF:53.7/44

Out: -401.965+/-112.124 χ^2/NDF:104.4/52

All: -203.484+/-80.128 χ^2/NDF: 164.5/97

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

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

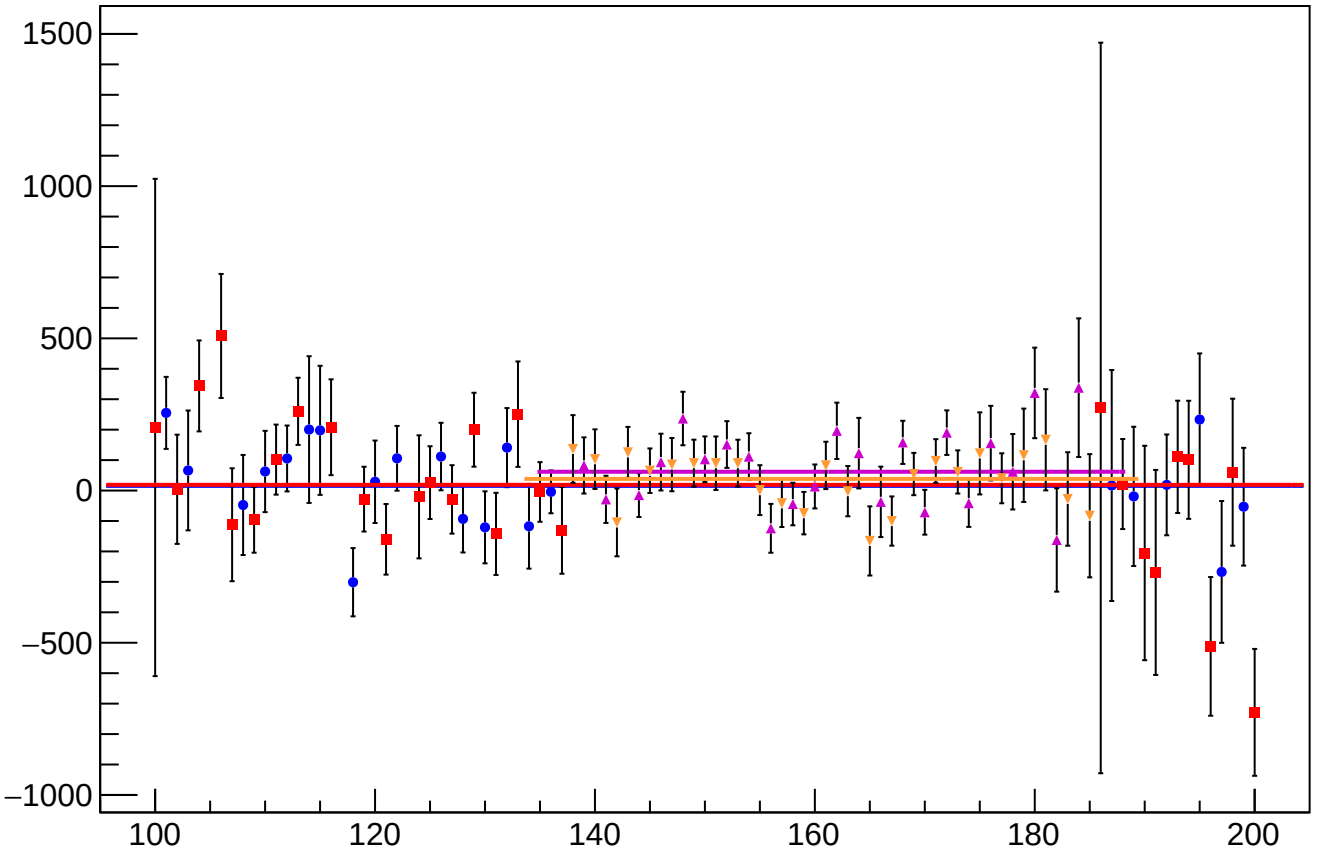
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1073.489+/-0.161 χ^2/NDF: 5276831.9/49

In: 580.343+/-0.081 χ^2/NDF:7961494.5/44

Out: 589.519+/-0.079 χ^2/NDF:10238956.6/52

All: 585.029+/-0.057 χ^2/NDF: 18207004.2/97



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

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

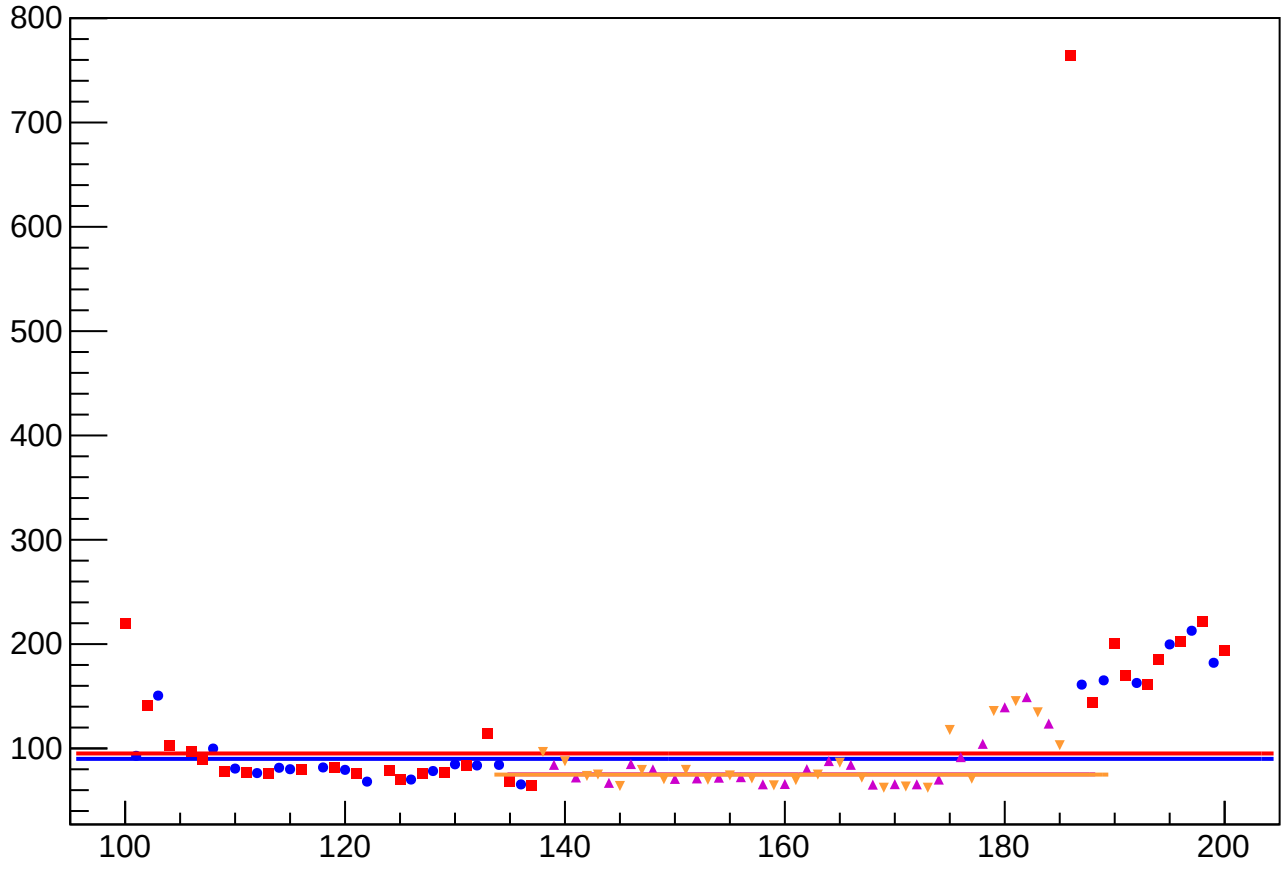
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 17.107+/-20.187 χ^2/NDF: 71.1/49

In: 48.453+/-15.364 χ^2/NDF:61.4/44

Out: 32.830+/-15.004 χ^2/NDF:67.4/52

All: 40.456+/-10.734 χ^2/NDF: 129.3/97



Right In: 89.980+/-0.020 χ^2/NDF: 2887499.2/21

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

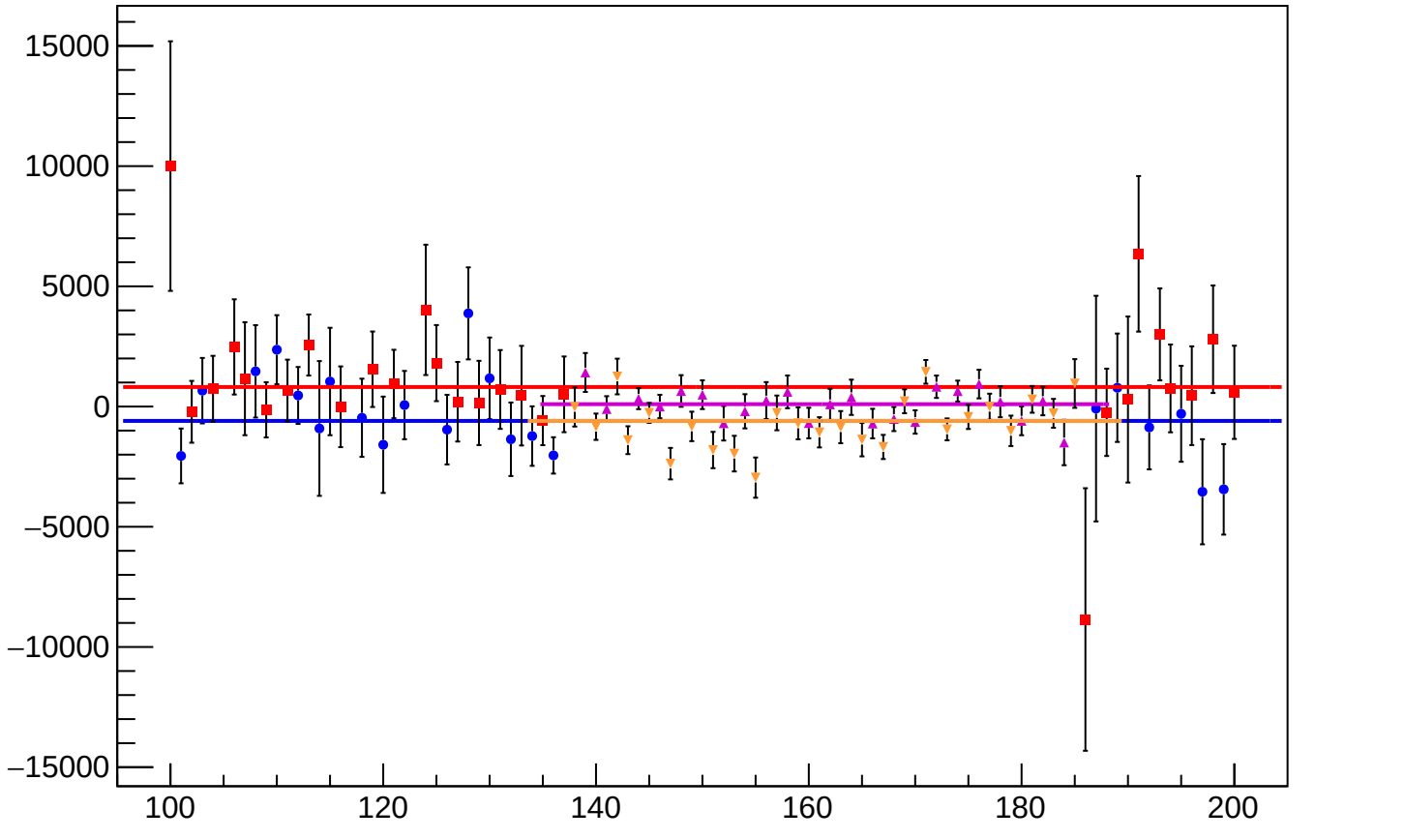
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 92.592+/-0.014 χ^2/NDF: 7109938.1/49

In: 79.406+/-0.011 χ^2/NDF:4580876.6/44

Out: 80.552+/-0.011 χ^2/NDF:6583908.3/52

All: 79.993+/-0.008 χ^2/NDF: 11170472.7/97



Right In: -597.633+/-324.909 χ^2/NDF: 25.0/21

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

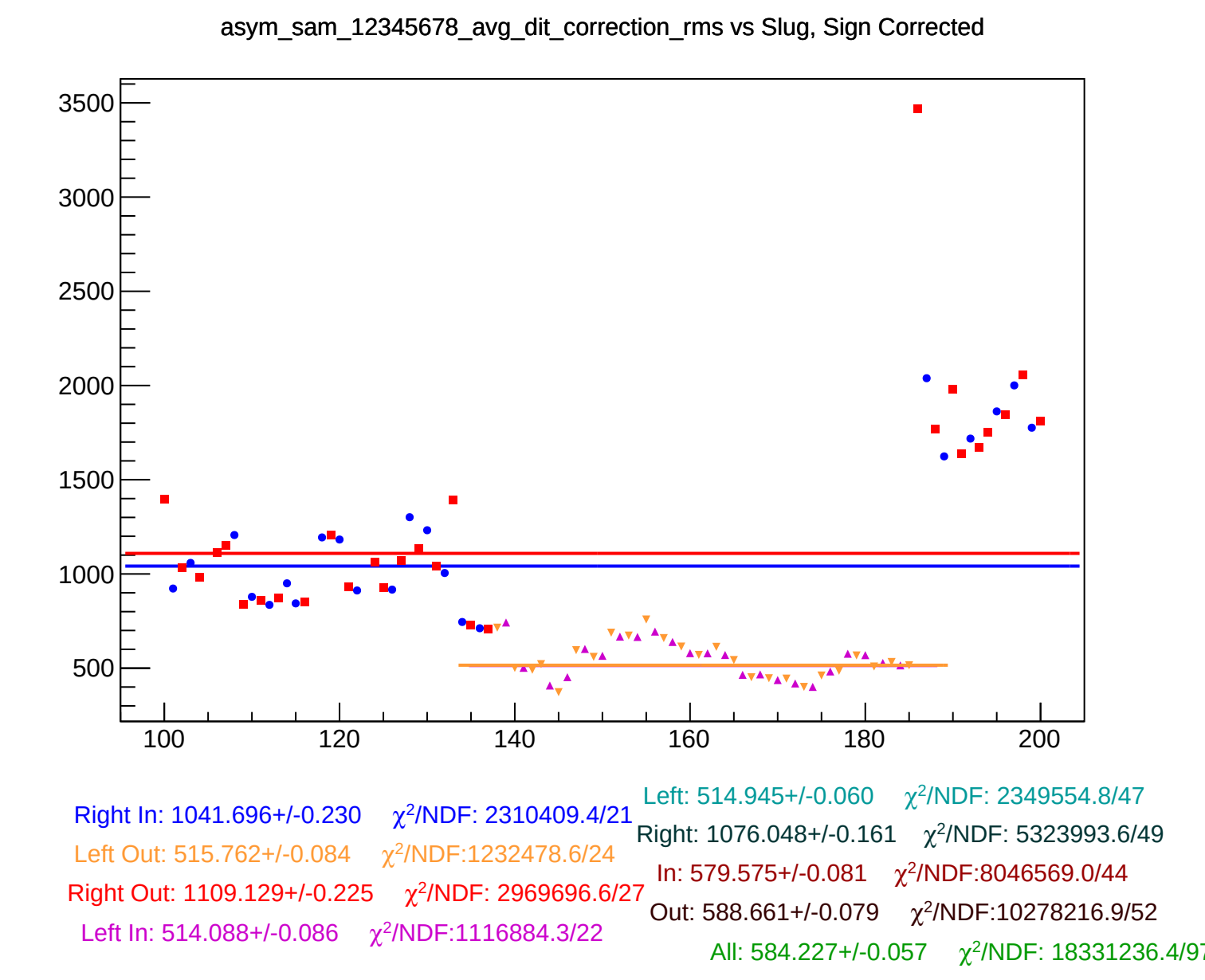
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

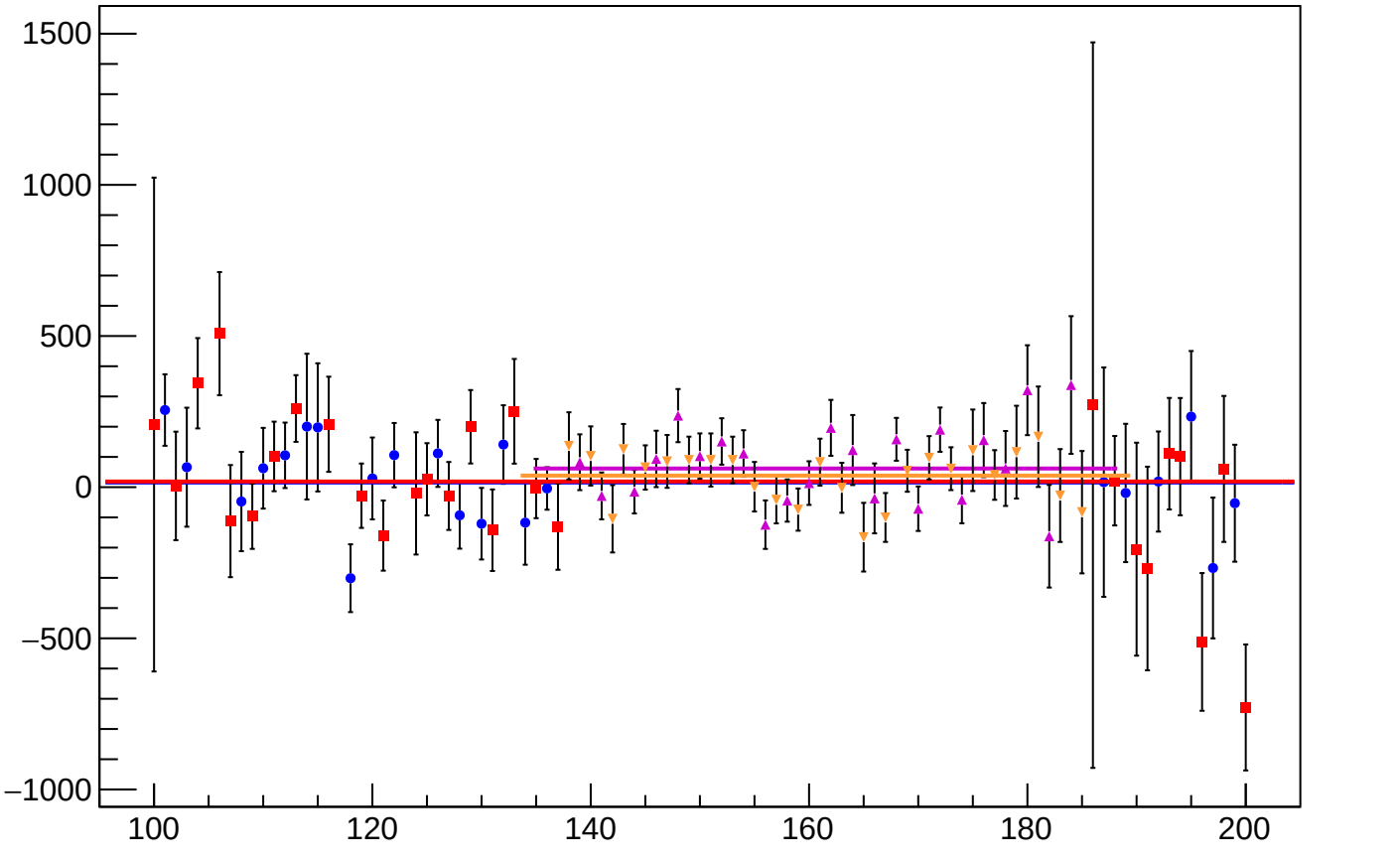
Right: 120.880+/-227.567 χ^2/NDF: 54.7/49

In: 12.622+/-114.468 χ^2/NDF:52.7/44

Out: -425.402+/-111.754 χ^2/NDF:102.4/52

All: -211.645+/-79.964 χ^2/NDF: 162.6/97


asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1041.696+/-0.230 χ²/NDF: 2310409.4/21
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1109.129+/-0.225 χ²/NDF: 2969696.6/27
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
Left: 514.945+/-0.060 χ²/NDF: 2349554.8/47
Right: 1076.048+/-0.161 χ²/NDF: 5323993.6/49
In: 579.575+/-0.081 χ²/NDF:8046569.0/44
Out: 588.661+/-0.079 χ²/NDF:10278216.9/52
All: 584.227+/-0.057 χ²/NDF: 18331236.4/97



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

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

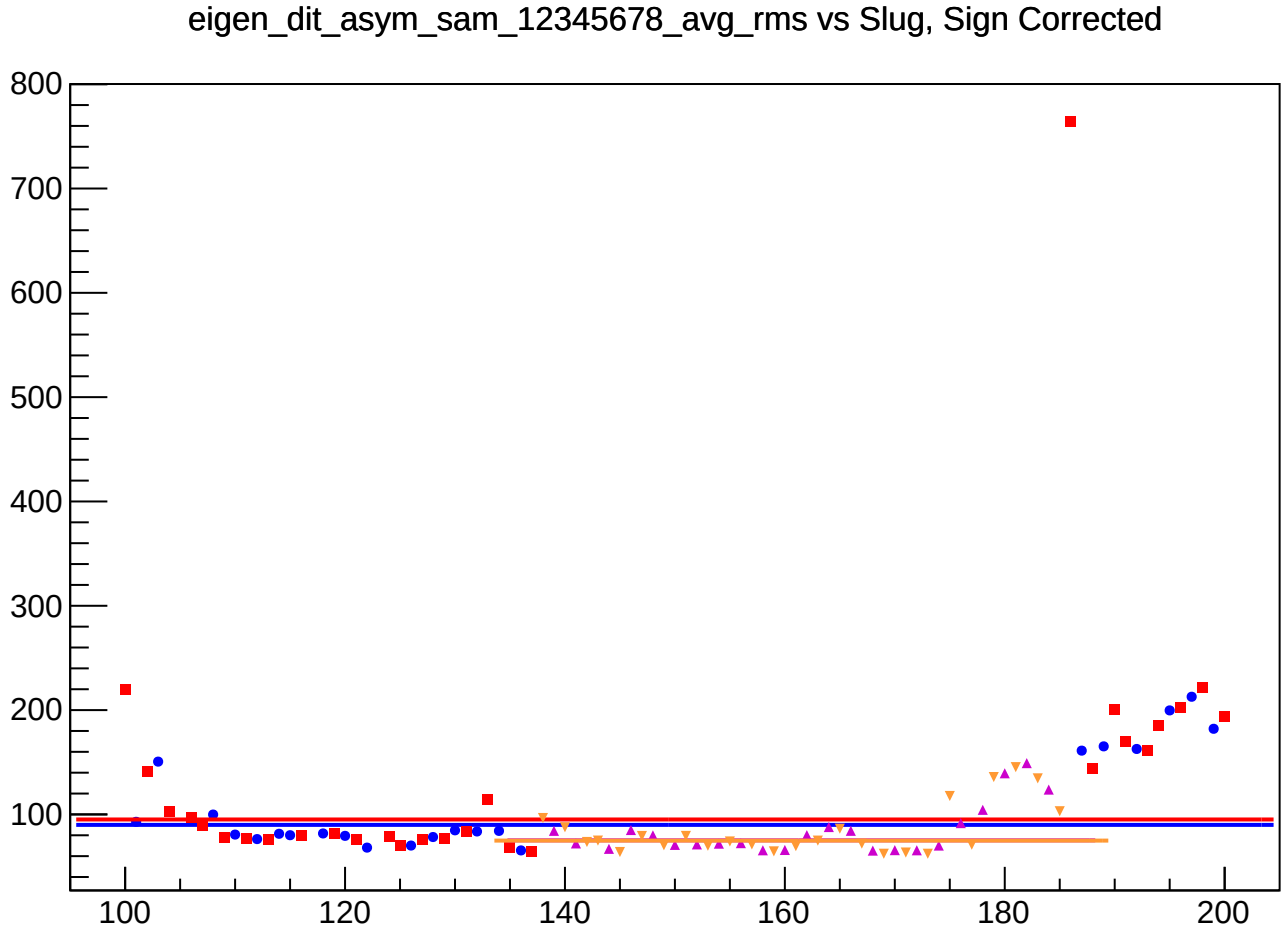
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 17.107+/-20.187 χ^2/NDF: 71.1/49

In: 48.452+/-15.364 χ^2/NDF:61.4/44

Out: 32.830+/-15.004 χ^2/NDF:67.4/52

All: 40.456+/-10.734 χ^2/NDF: 129.3/97



Right In: 89.980+/-0.020 χ^2/NDF: 2887504.7/21

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

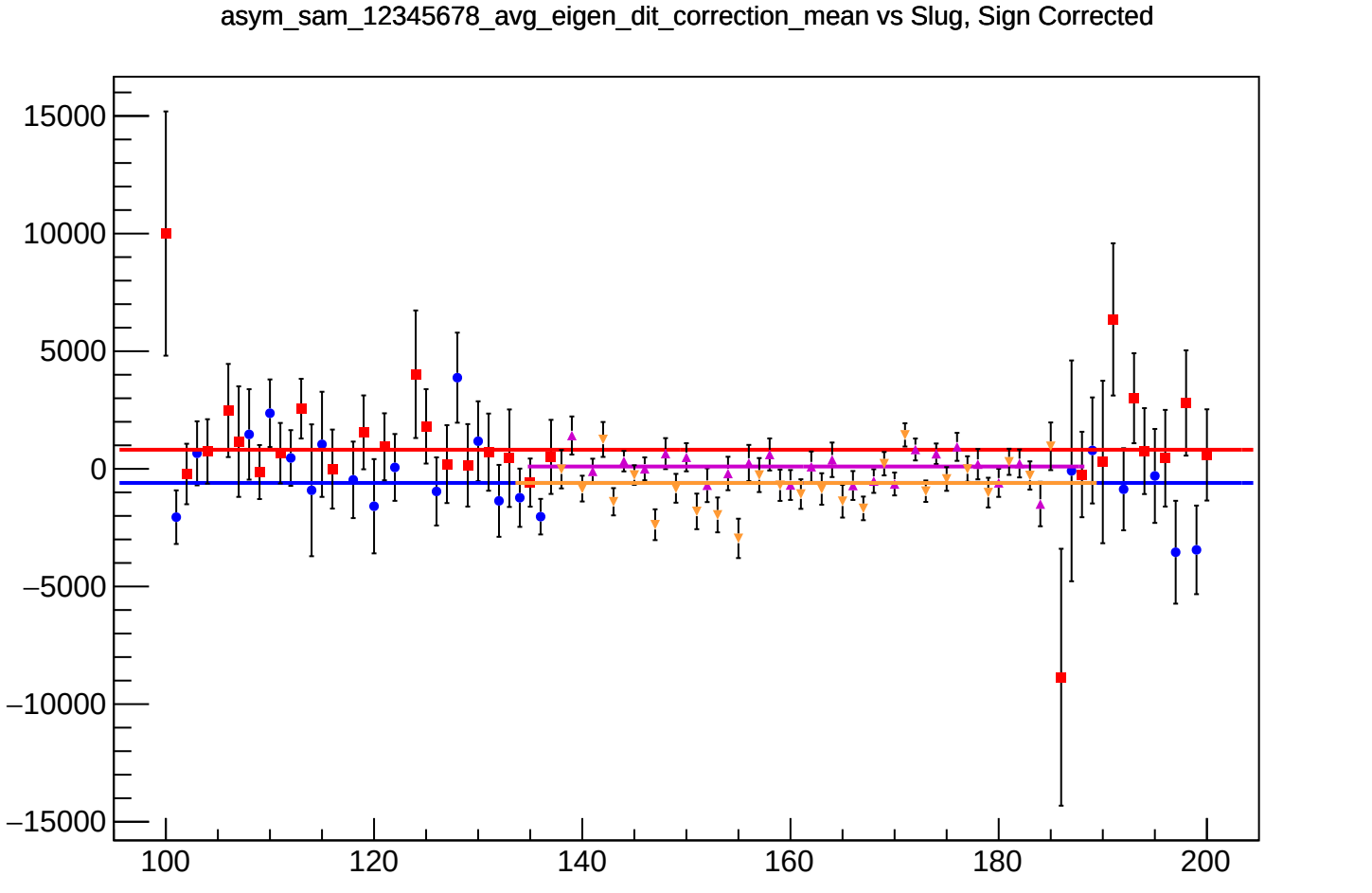
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 92.592+/-0.014 χ^2/NDF: 7109967.3/49

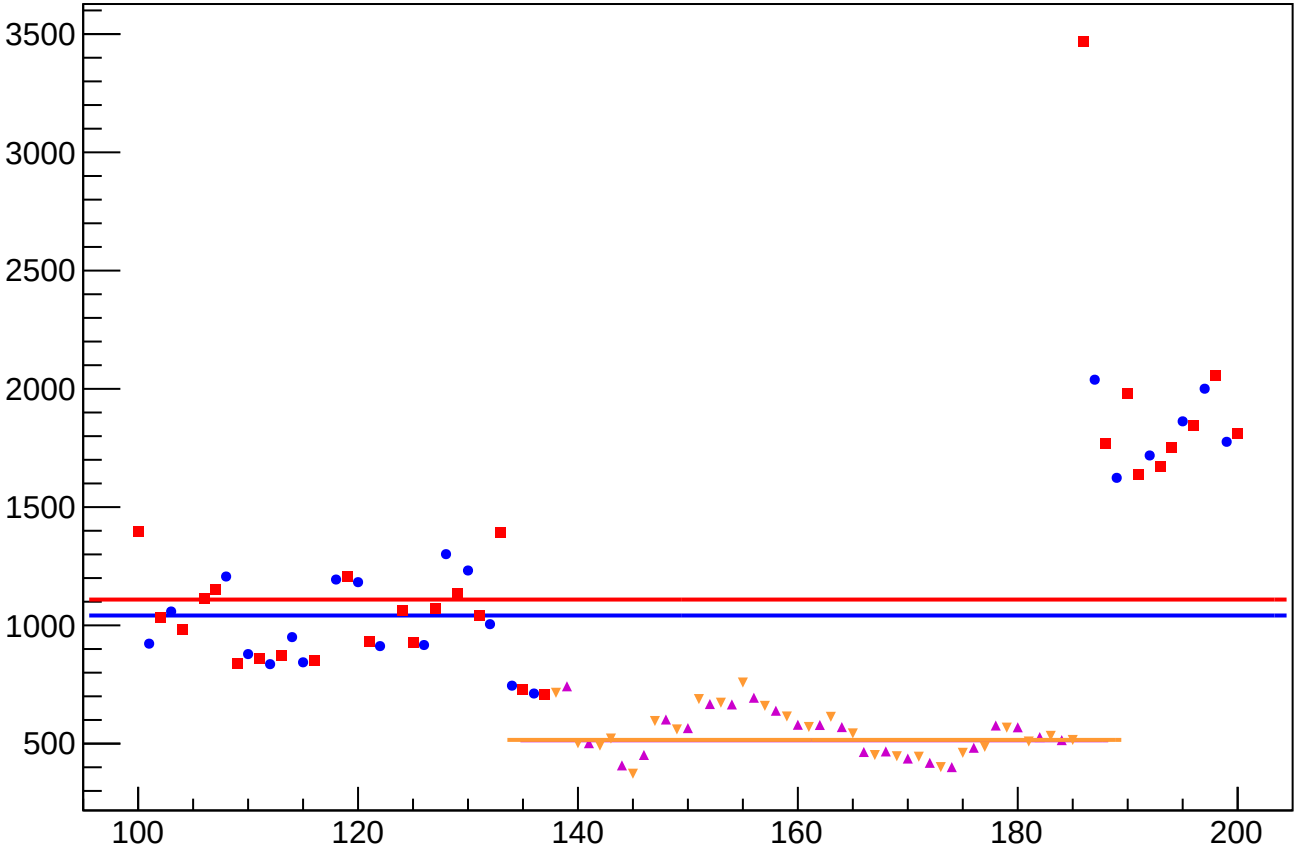
In: 79.406+/-0.011 χ^2/NDF:4580841.1/44

Out: 80.552+/-0.011 χ^2/NDF:6583898.8/52

All: 79.993+/-0.008 χ^2/NDF: 11170427.7/97


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -597.630+/-324.908 χ²/NDF: 25.0/21
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 812.771+/-318.832 χ²/NDF: 20.2/27
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 120.881+/-227.566 χ²/NDF: 54.7/49
In: 12.622+/-114.468 χ²/NDF:52.7/44
Out: -425.402+/-111.754 χ²/NDF:102.4/52
All: -211.645+/-79.964 χ²/NDF: 162.6/97

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1041.693+/-0.230 χ^2/NDF: 2310414.1/21

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

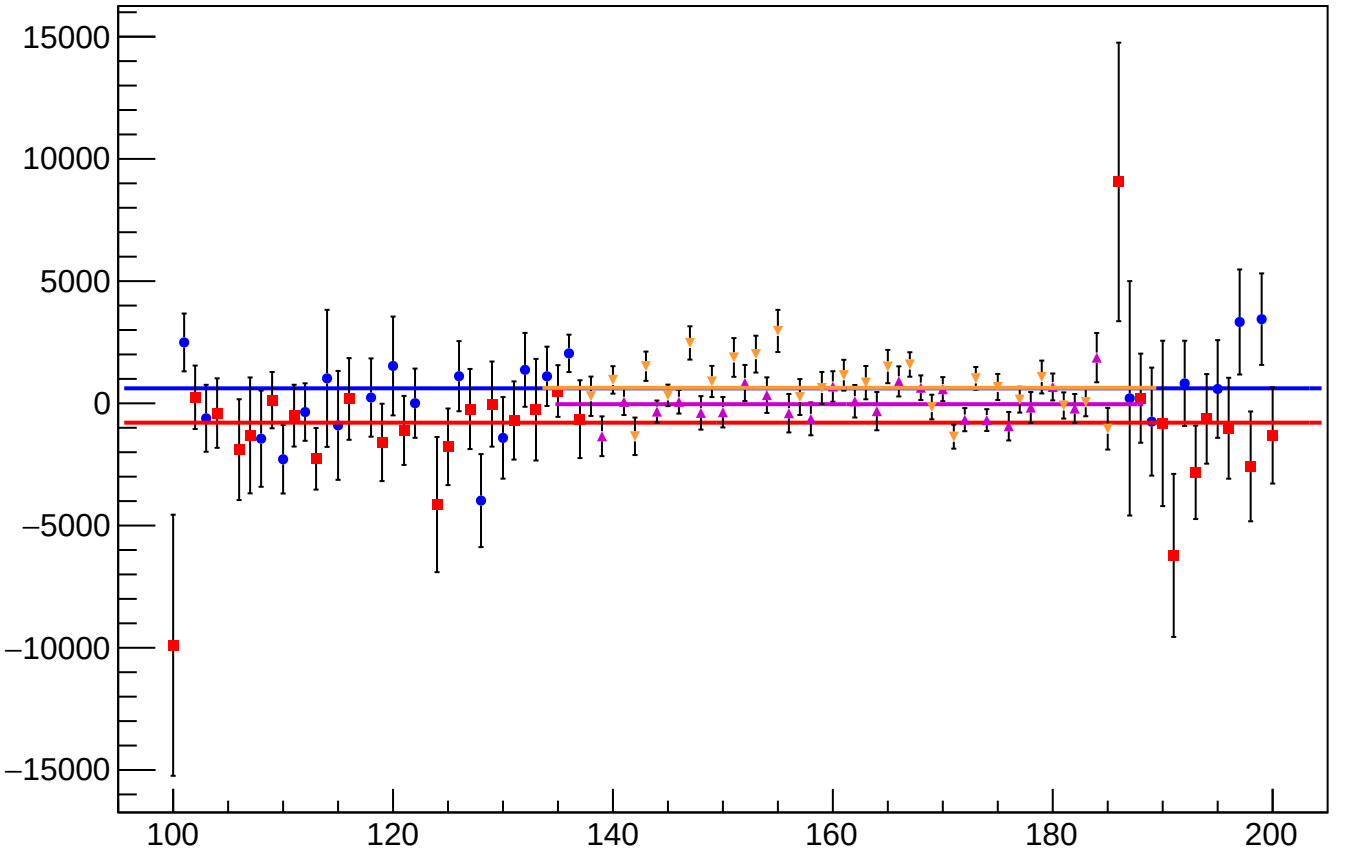
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1076.046+/-0.161 χ^2/NDF: 5324005.9/49

In: 579.574+/-0.081 χ^2/NDF:8046566.4/44

Out: 588.660+/-0.079 χ^2/NDF:10278220.1/52

All: 584.226+/-0.057 χ^2/NDF: 18331236.9/97



Right In: 614.240+/-324.860 χ^2/NDF: 25.9/21

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

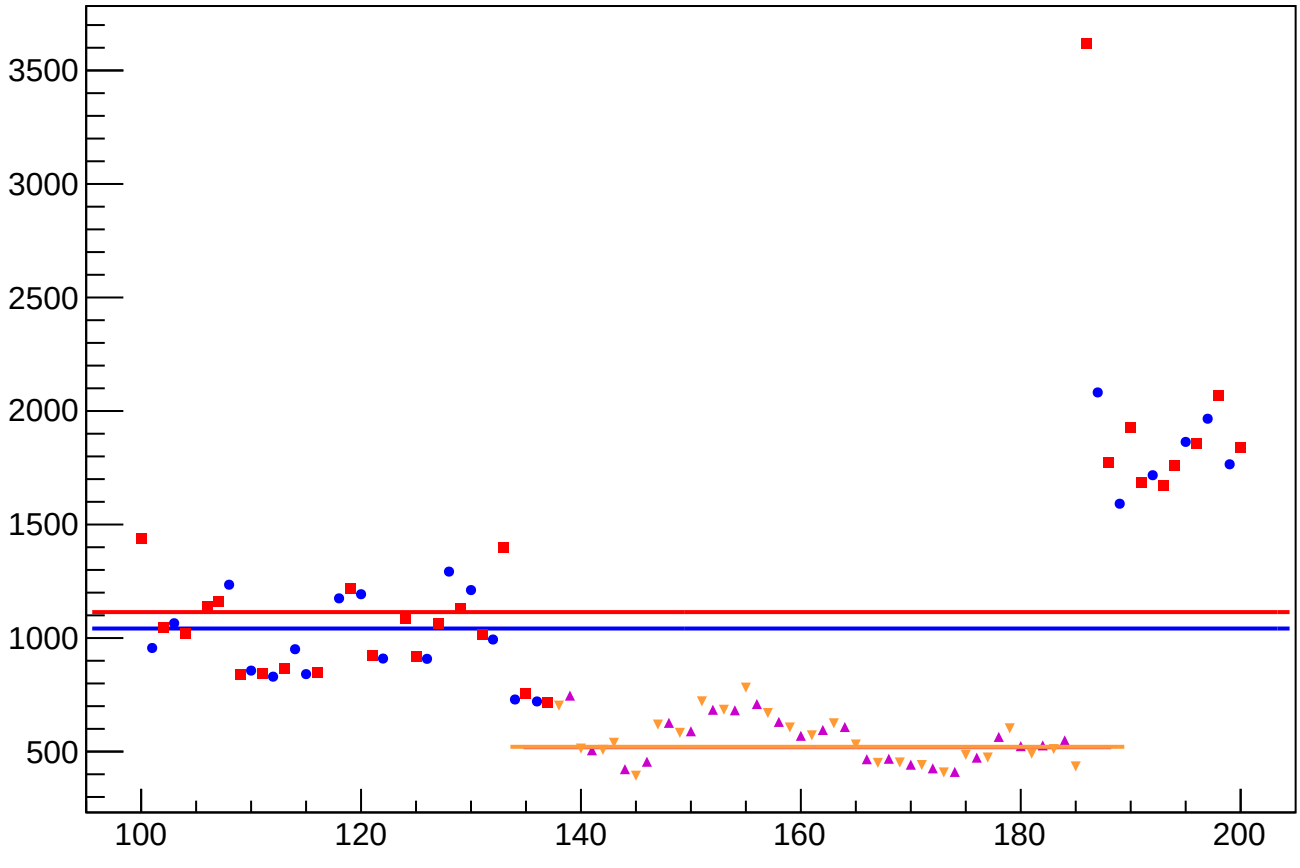
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -97.412+/-228.195 χ^2/NDF: 53.6/49

In: 47.170+/-115.454 χ^2/NDF:54.5/44

Out: 457.805+/-112.974 χ^2/NDF:100.0/52

All: 256.944+/-80.747 χ^2/NDF: 161.0/97



Right In: 1041.964+/-0.230 χ^2/NDF: 2275400.4/21

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

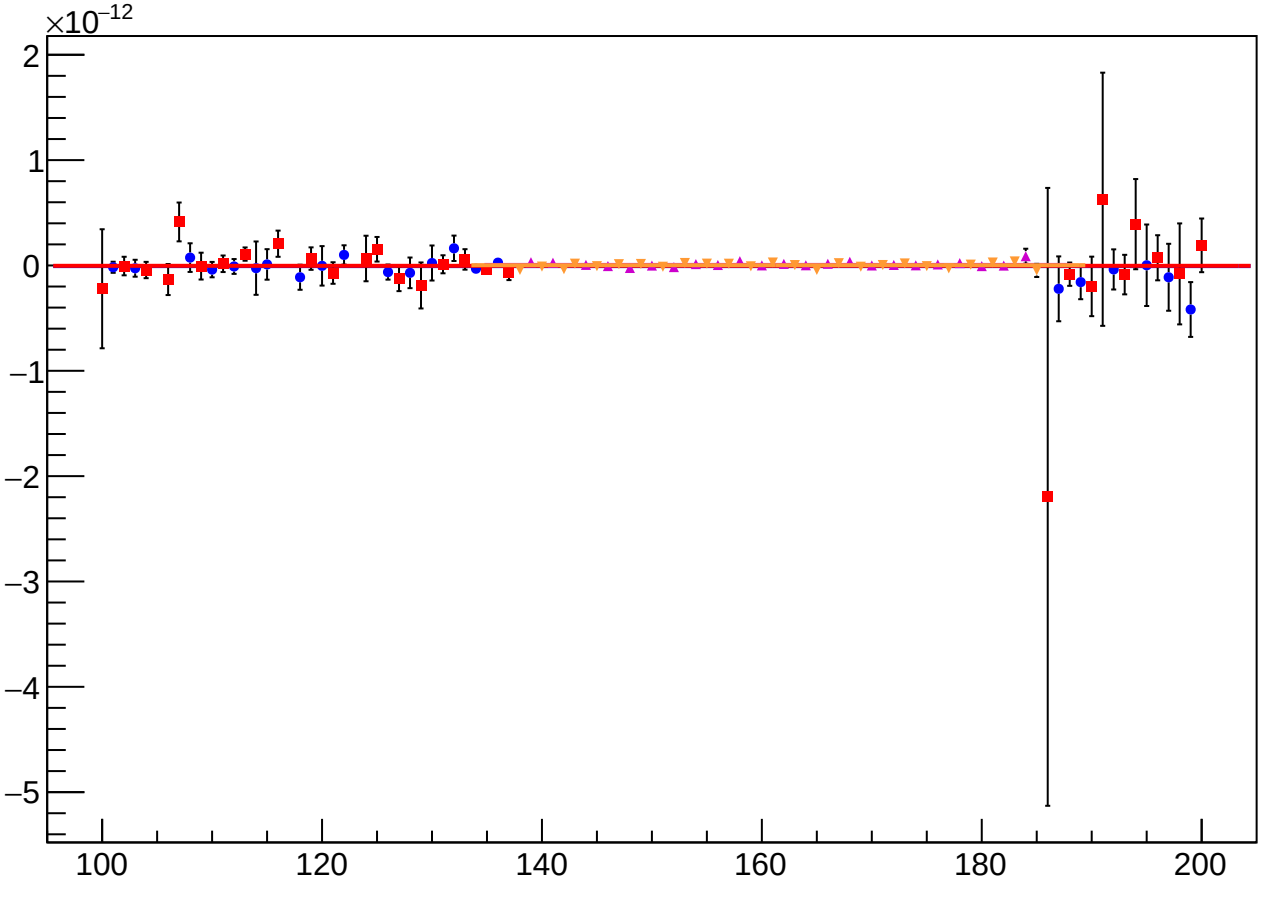
Right: 1078.603+/-0.161 χ^2/NDF: 5294006.3/49

In: 585.262+/-0.082 χ^2/NDF:7900157.3/44

Out: 594.687+/-0.080 χ^2/NDF:10209078.8/52

All: 590.077+/-0.057 χ^2/NDF: 18116043.7/97

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/21

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

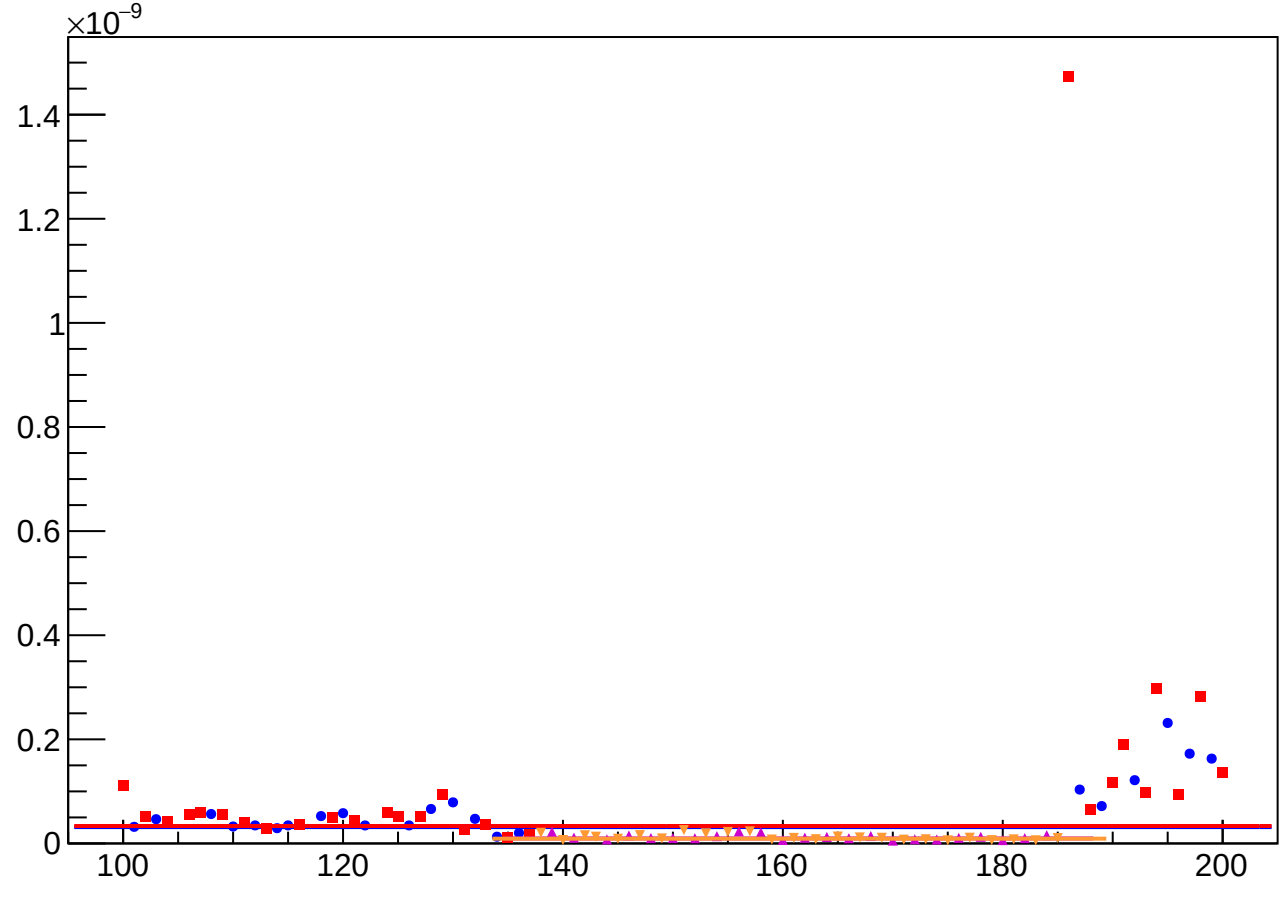
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/49

In: 0.000+/-0.000 χ^2/NDF:22.3/44

Out: 0.000+/-0.000 χ^2/NDF:45.5/52

All: 0.000+/-0.000 χ^2/NDF: 68.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 3328814.5/21

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

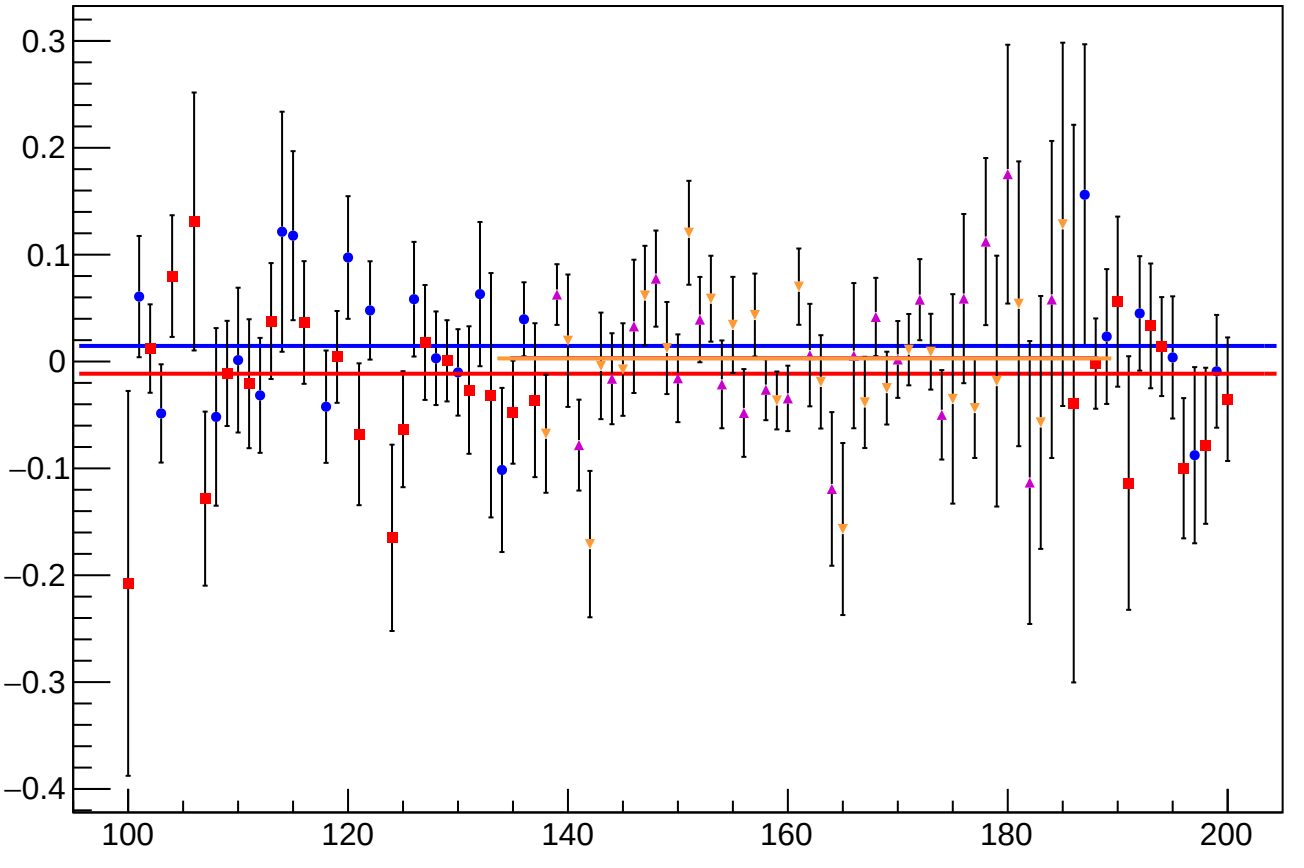
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7975732.4/49

In: 0.000+/-0.000 χ^2/NDF:7931525.2/44

Out: 0.000+/-0.000 χ^2/NDF:10019899.9/52

All: 0.000+/-0.000 χ^2/NDF: 17969397.2/97



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

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

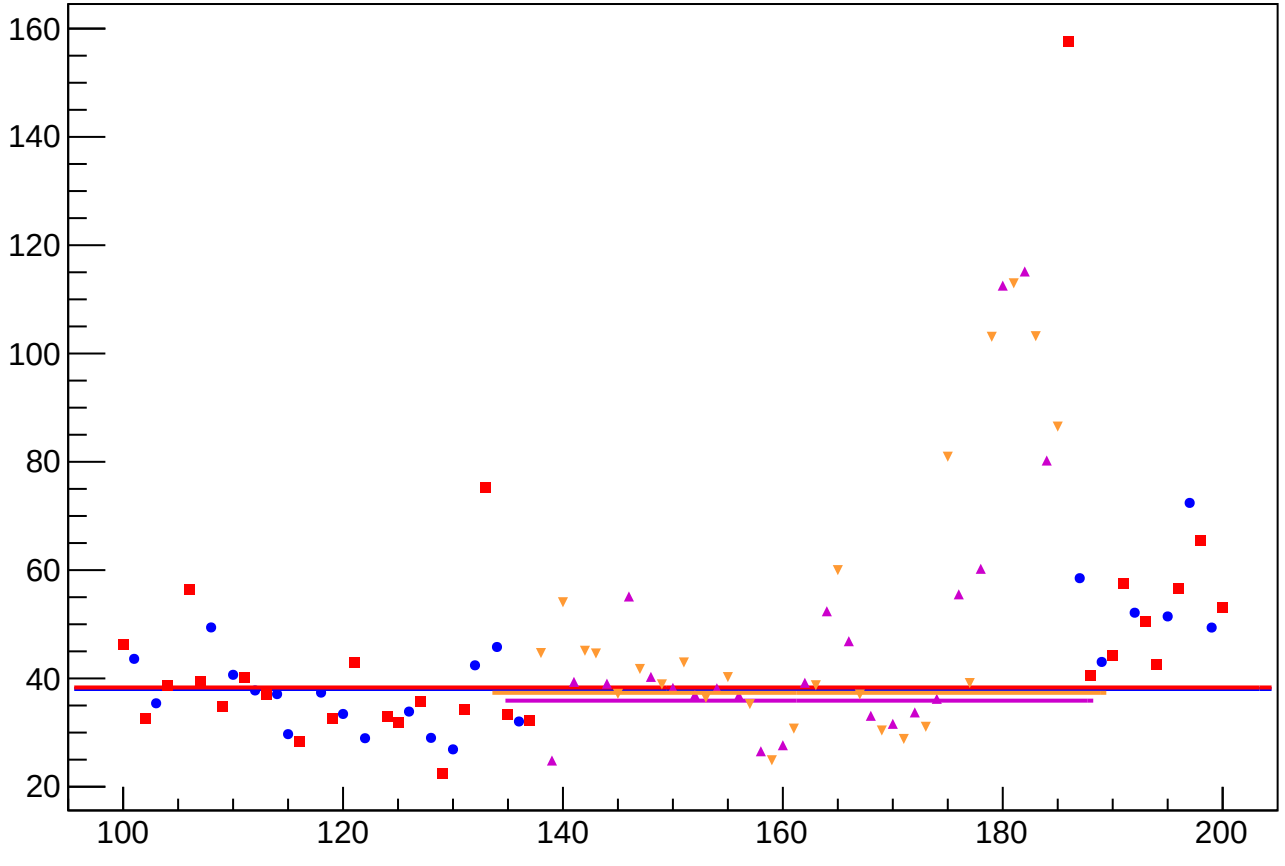
Right: 0.001+/-0.008 χ^2/NDF: 40.8/49

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.002+/-0.005 χ^2/NDF: 103.6/97

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

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

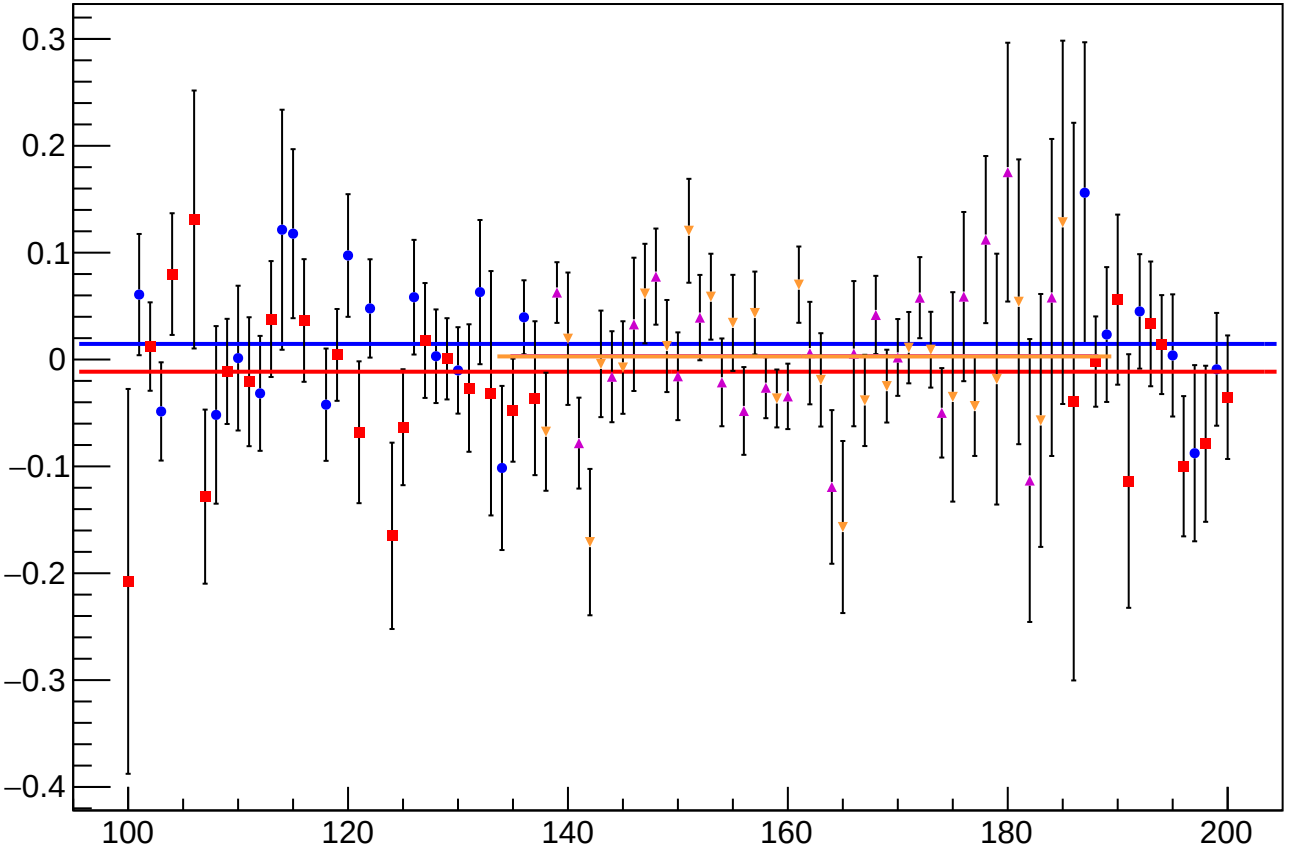
Right: 38.198+/-0.006 χ^2/NDF: 3266390.5/49

In: 36.694+/-0.005 χ^2/NDF:4439915.2/44

Out: 37.746+/-0.005 χ^2/NDF:5711003.7/52

All: 37.230+/-0.004 χ^2/NDF: 10172256.1/97

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

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

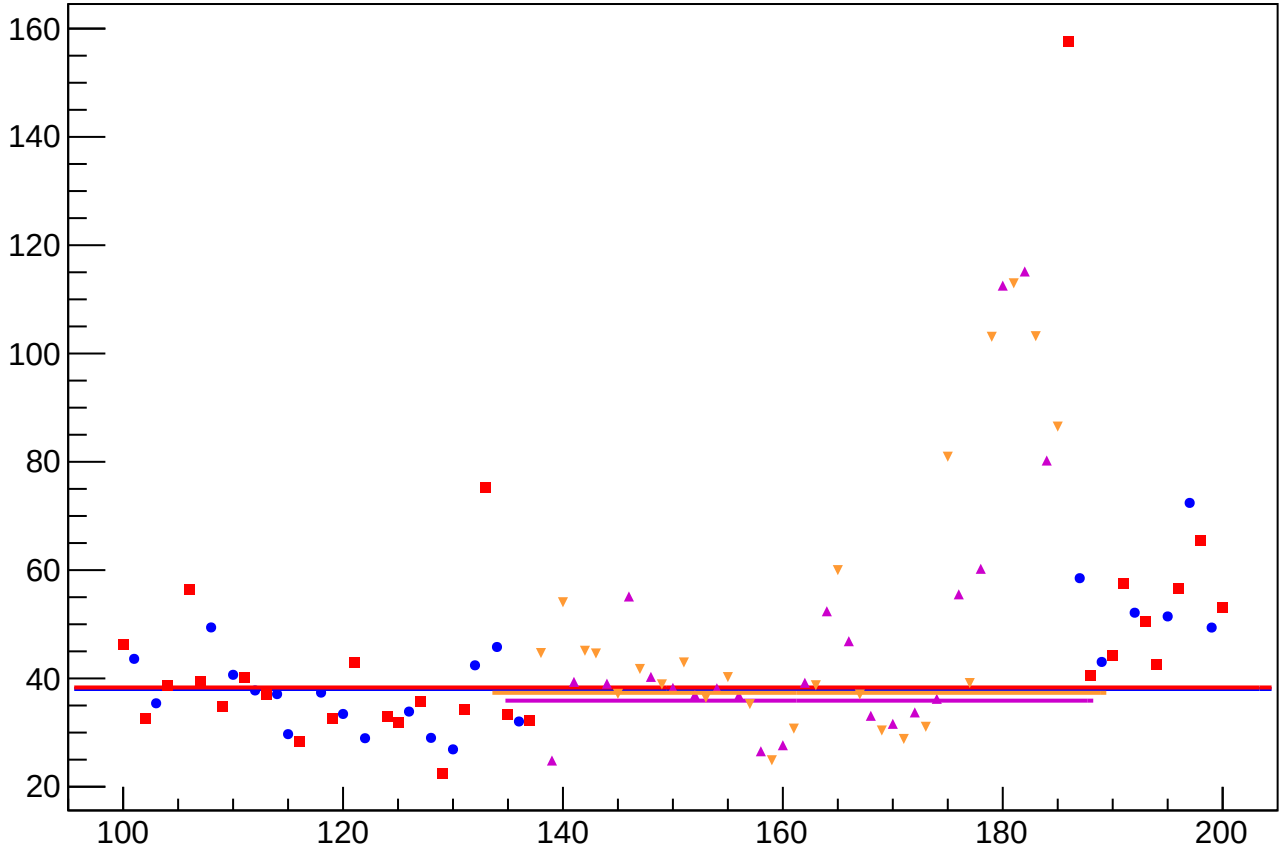
Right: 0.001+/-0.008 χ^2/NDF: 40.8/49

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.002+/-0.005 χ^2/NDF: 103.6/97

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

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

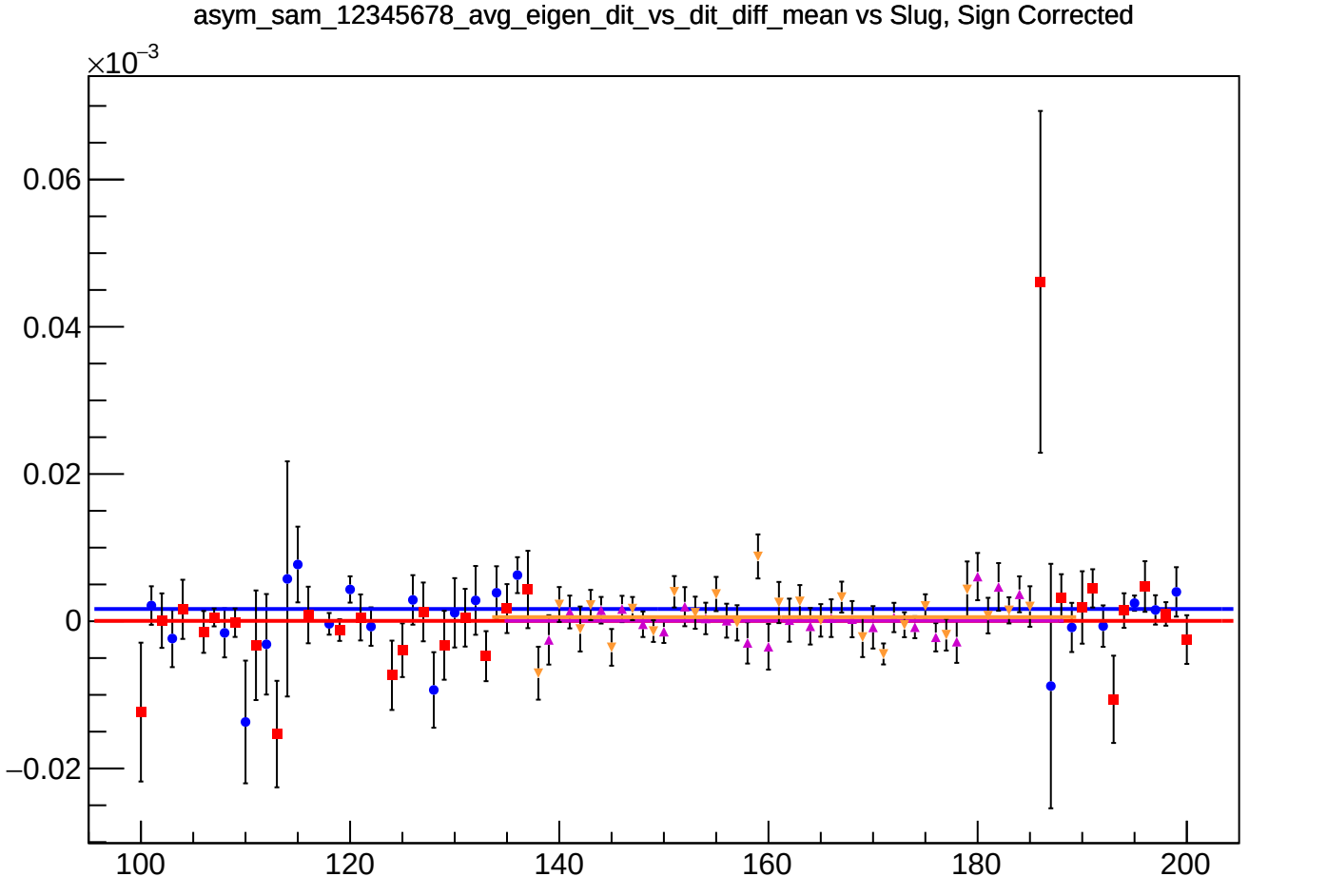
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.198+/-0.006 χ^2/NDF: 3266390.5/49

In: 36.694+/-0.005 χ^2/NDF:4439915.2/44

Out: 37.746+/-0.005 χ^2/NDF:5711003.7/52

All: 37.230+/-0.004 χ^2/NDF: 10172256.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/21

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

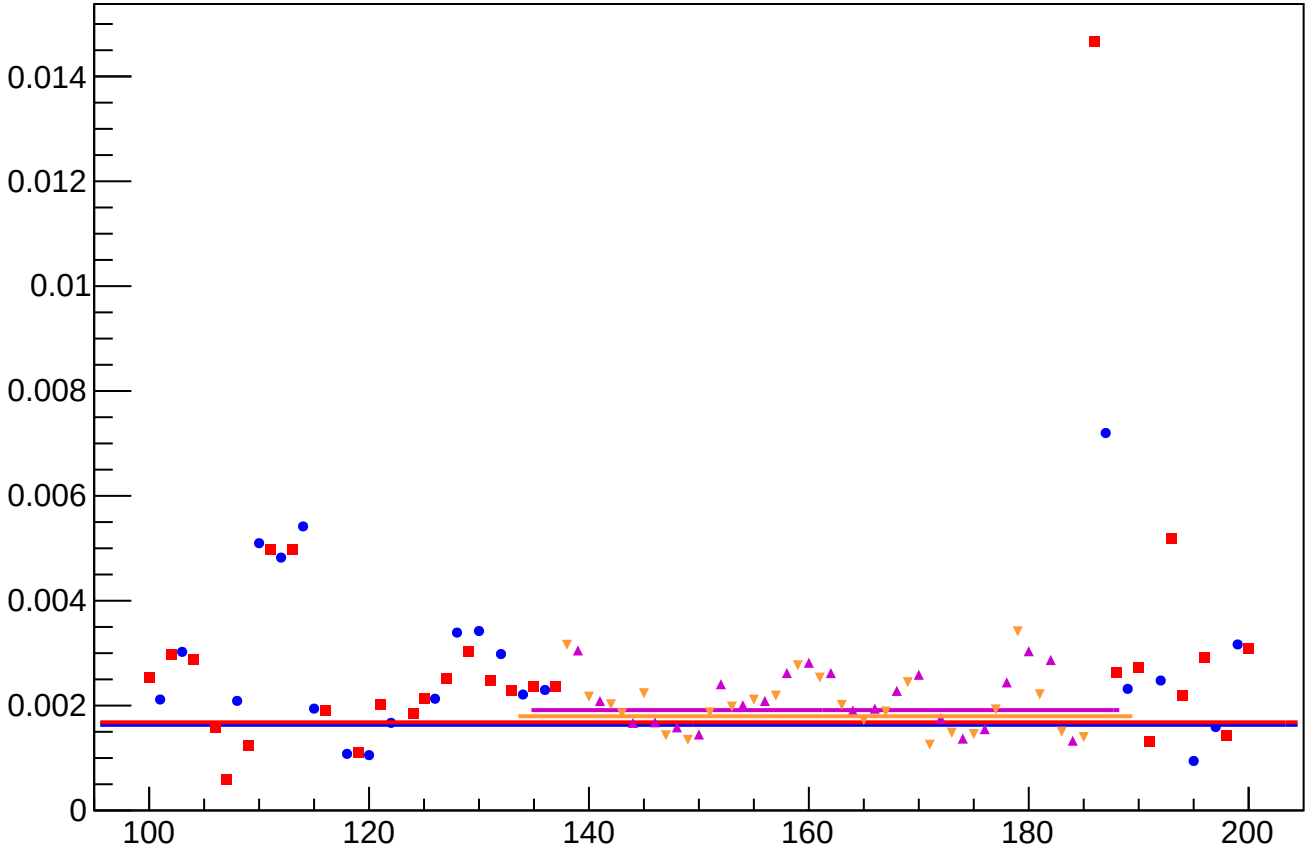
Right: 0.000+/-0.000 χ^2/NDF: 57.4/49

In: 0.000+/-0.000 χ^2/NDF:45.6/44

Out: 0.000+/-0.000 χ^2/NDF:73.3/52

All: 0.000+/-0.000 χ^2/NDF: 119.5/97

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4483520.2/21

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

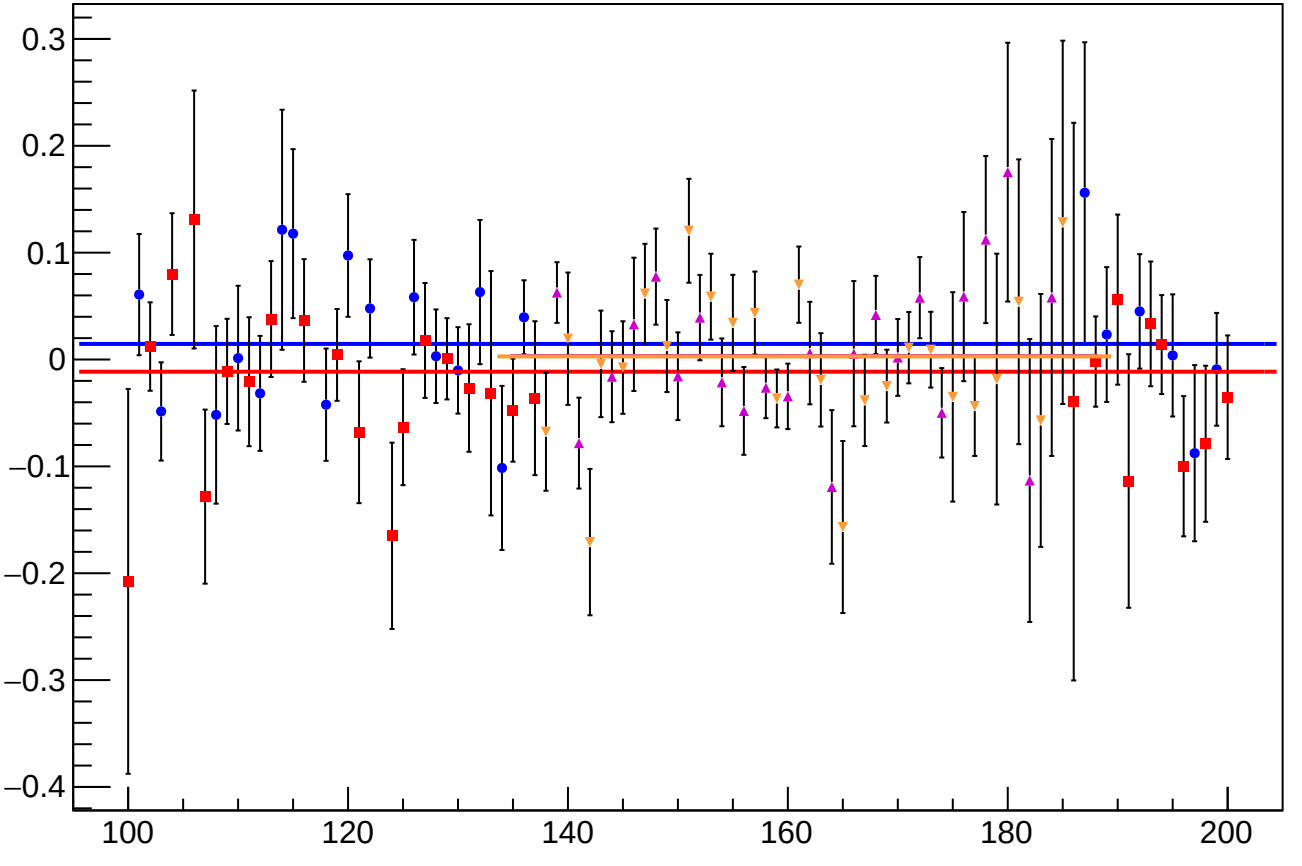
Right: 0.002+/-0.000 χ^2/NDF: 10726313.4/49

In: 0.002+/-0.000 χ^2/NDF:6955856.8/44

Out: 0.002+/-0.000 χ^2/NDF:8571967.7/52

All: 0.002+/-0.000 χ^2/NDF: 15545334.0/97

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

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

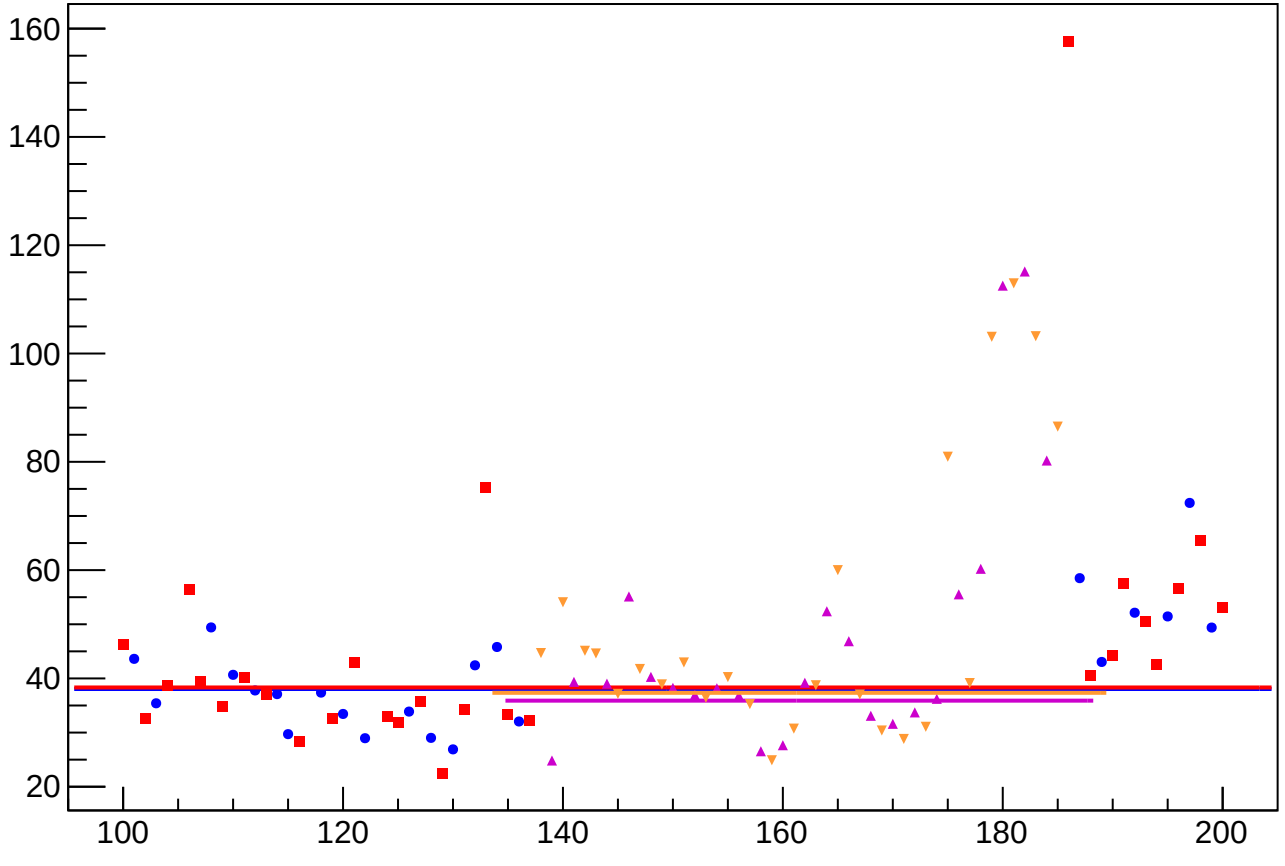
Right: 0.001+/-0.008 χ^2/NDF: 40.8/49

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.002+/-0.005 χ^2/NDF: 103.6/97

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

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

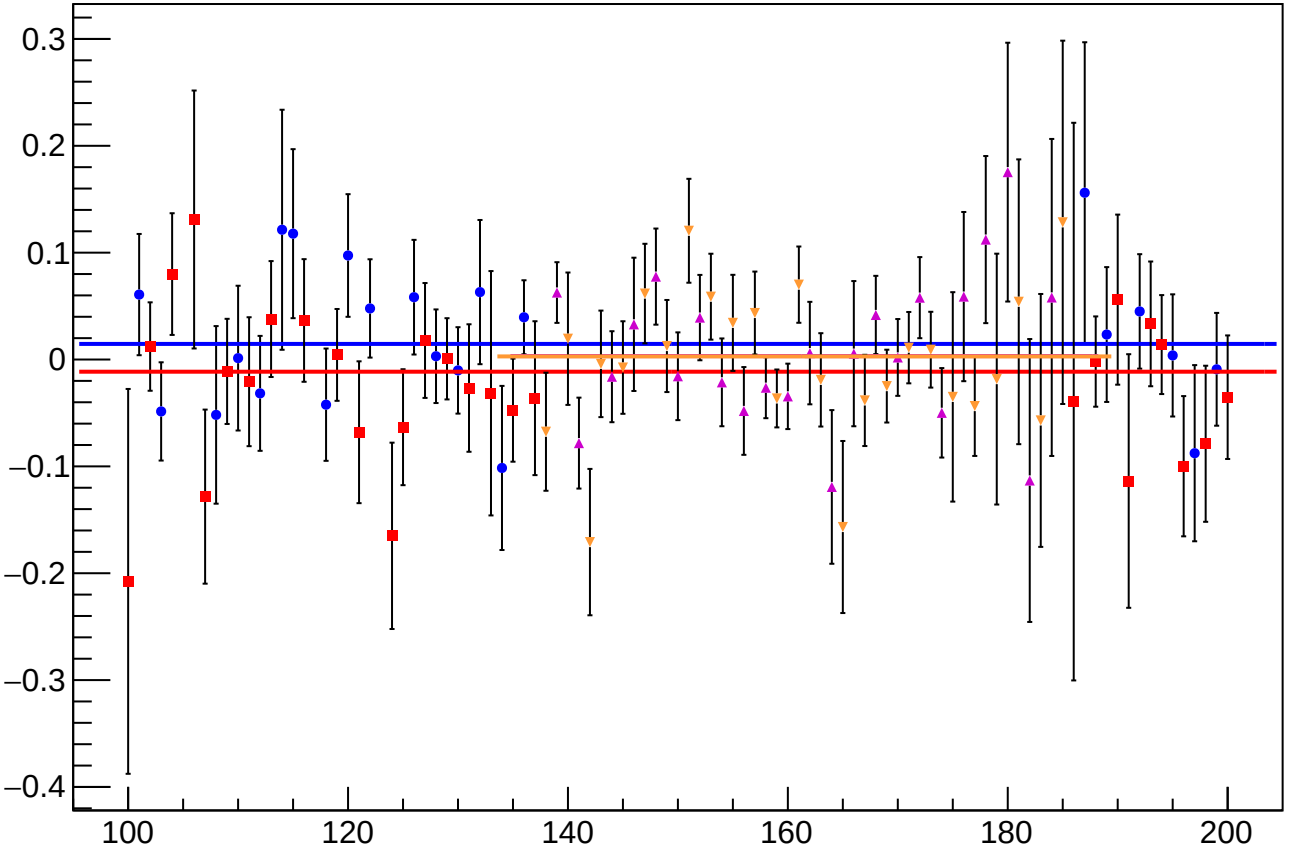
Right: 38.197+/-0.006 χ^2/NDF: 3266598.3/49

In: 36.694+/-0.005 χ^2/NDF:4439993.5/44

Out: 37.746+/-0.005 χ^2/NDF:5711146.7/52

All: 37.230+/-0.004 χ^2/NDF: 10172478.3/97

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

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

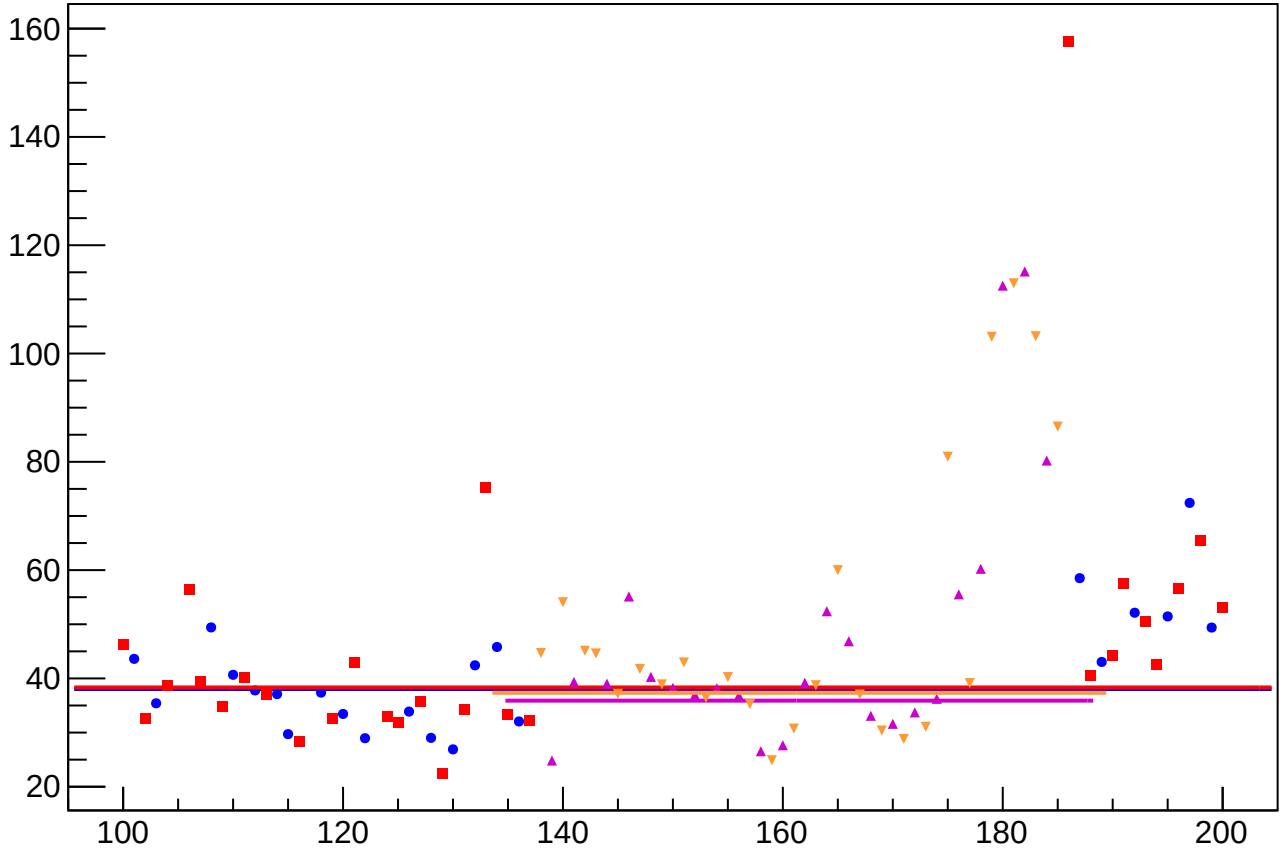
Right: 0.001+/-0.008 χ^2/NDF: 40.8/49

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.003+/-0.007 χ^2/NDF:54.2/52

All: 0.002+/-0.005 χ^2/NDF: 103.6/97

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

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

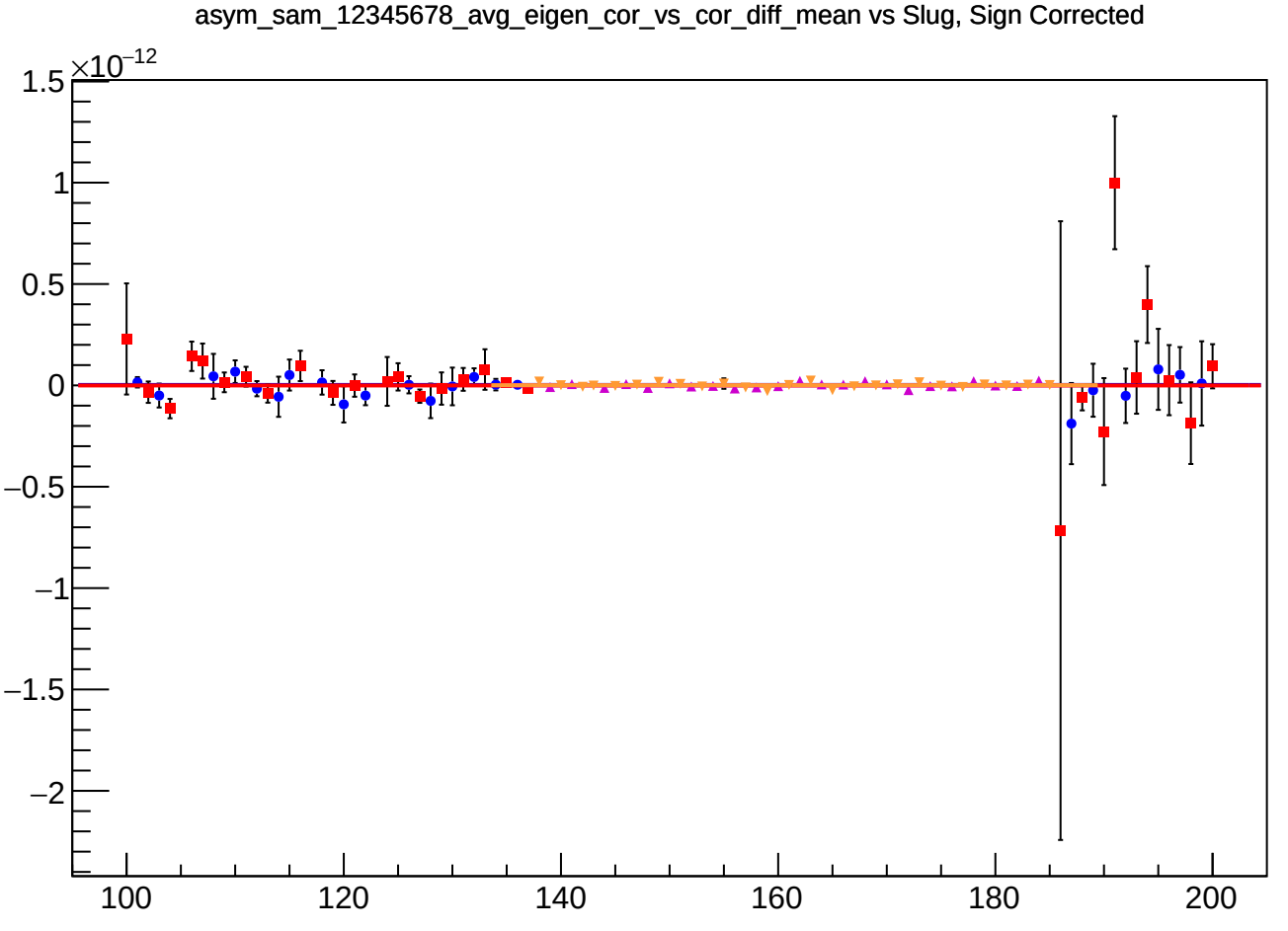
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.197+/-0.006 χ^2/NDF: 3266598.3/49

In: 36.694+/-0.005 χ^2/NDF:4439993.5/44

Out: 37.746+/-0.005 χ^2/NDF:5711146.7/52

All: 37.230+/-0.004 χ^2/NDF: 10172478.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/21

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

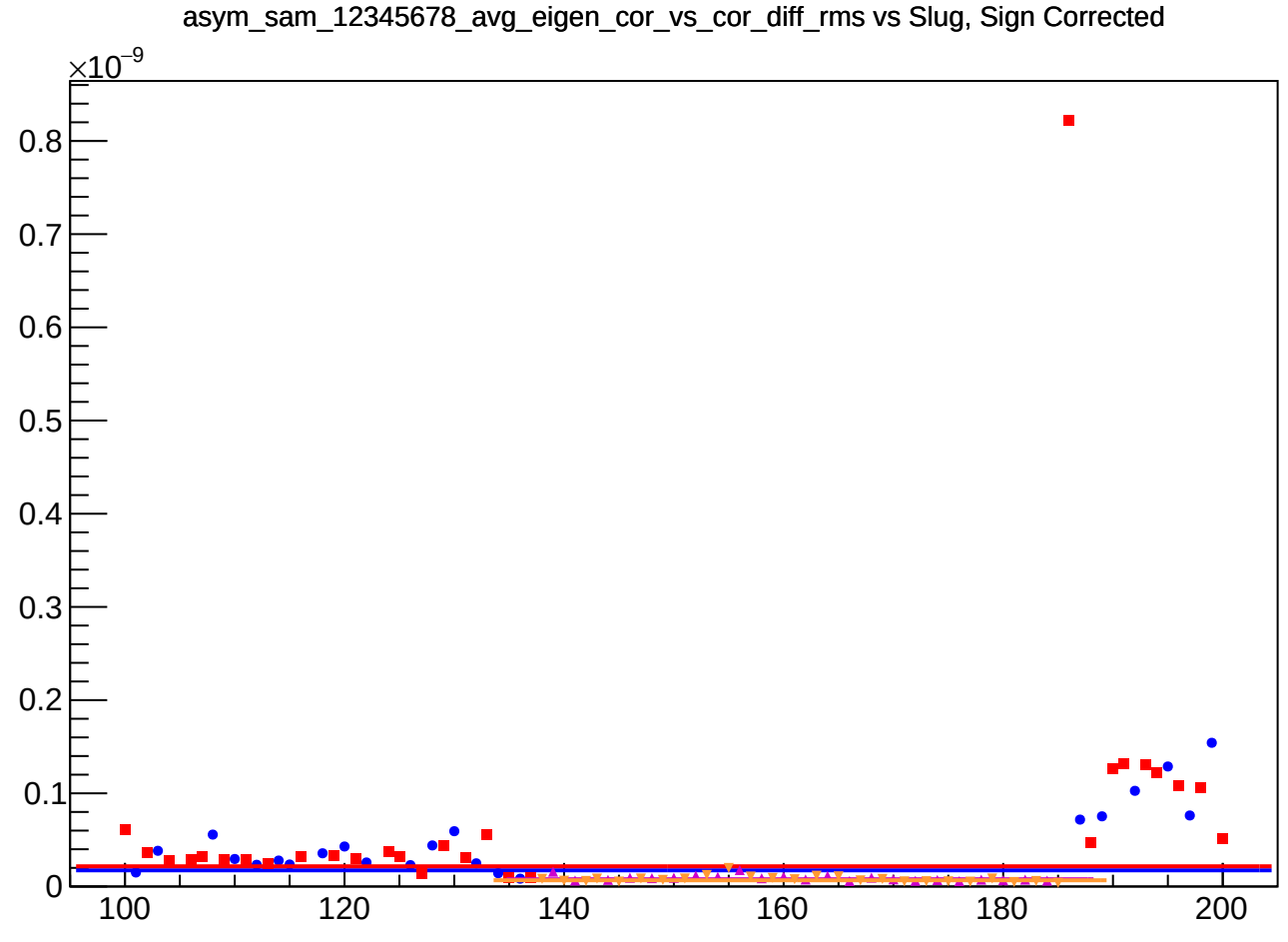
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.9/49

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: 0.000+/-0.000 χ^2/NDF:60.2/52

All: 0.000+/-0.000 χ^2/NDF: 98.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 6082800.2/21

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

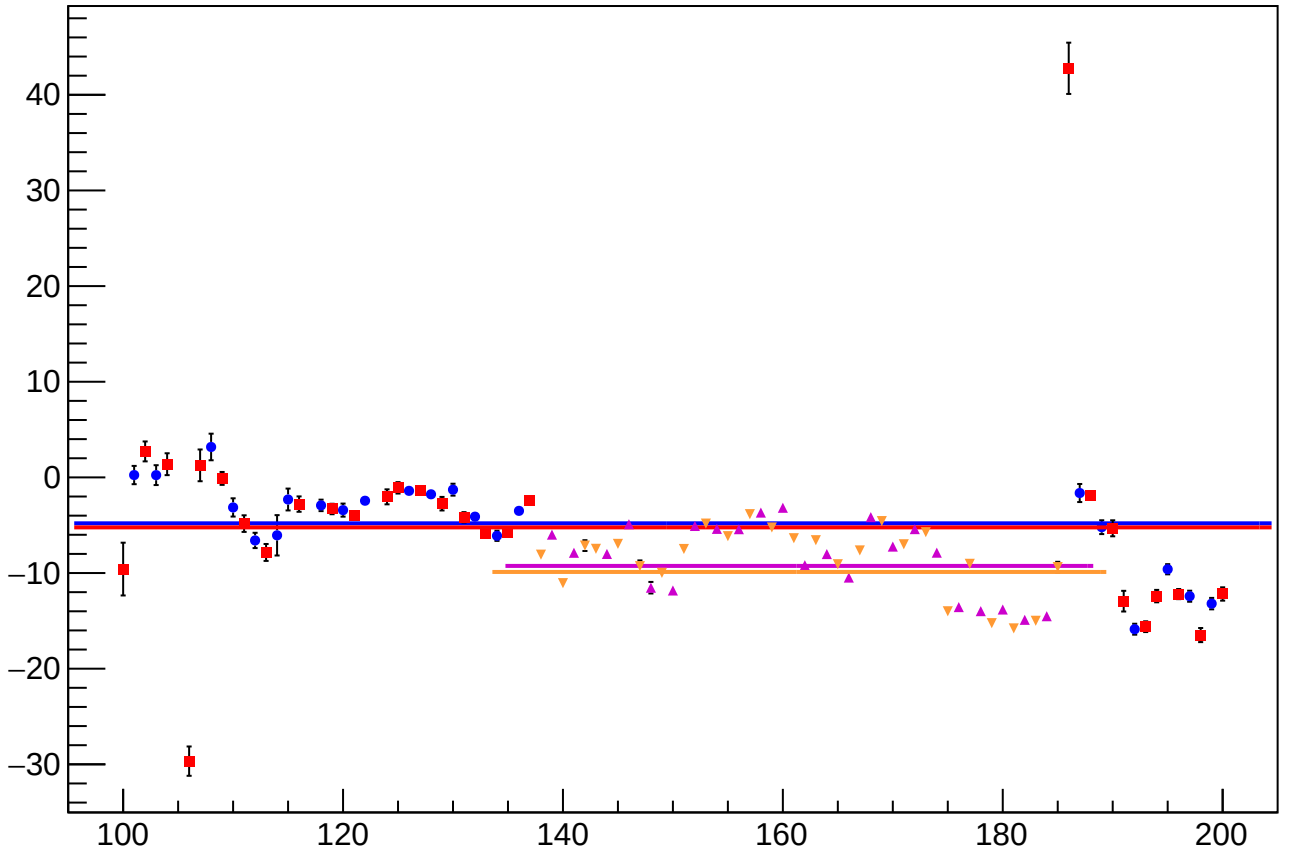
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12564091.2/49

In: 0.000+/-0.000 χ^2/NDF:9976028.3/44

Out: 0.000+/-0.000 χ^2/NDF:12809992.0/52

All: 0.000+/-0.000 χ^2/NDF: 23066656.0/97



Right In: -4.802+/-0.119 χ^2/NDF: 1135.6/21

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

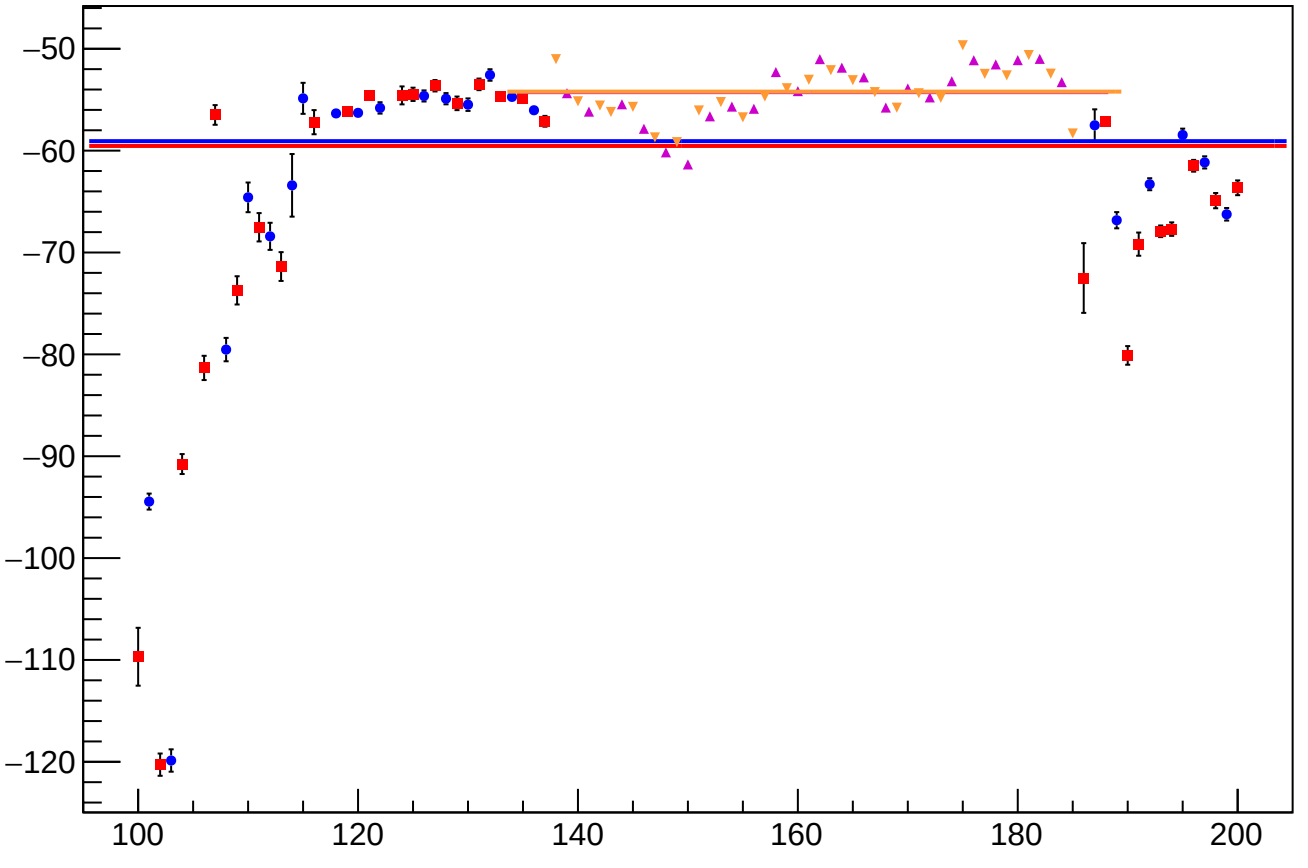
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.023+/-0.083 χ^2/NDF: 3244.4/49

In: -8.077+/-0.061 χ^2/NDF:5225.3/44

Out: -8.636+/-0.059 χ^2/NDF:6514.1/52

All: -8.366+/-0.043 χ^2/NDF: 11782.1/97



Right In: -59.068+/-0.122 χ^2/NDF: 6464.1/21

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

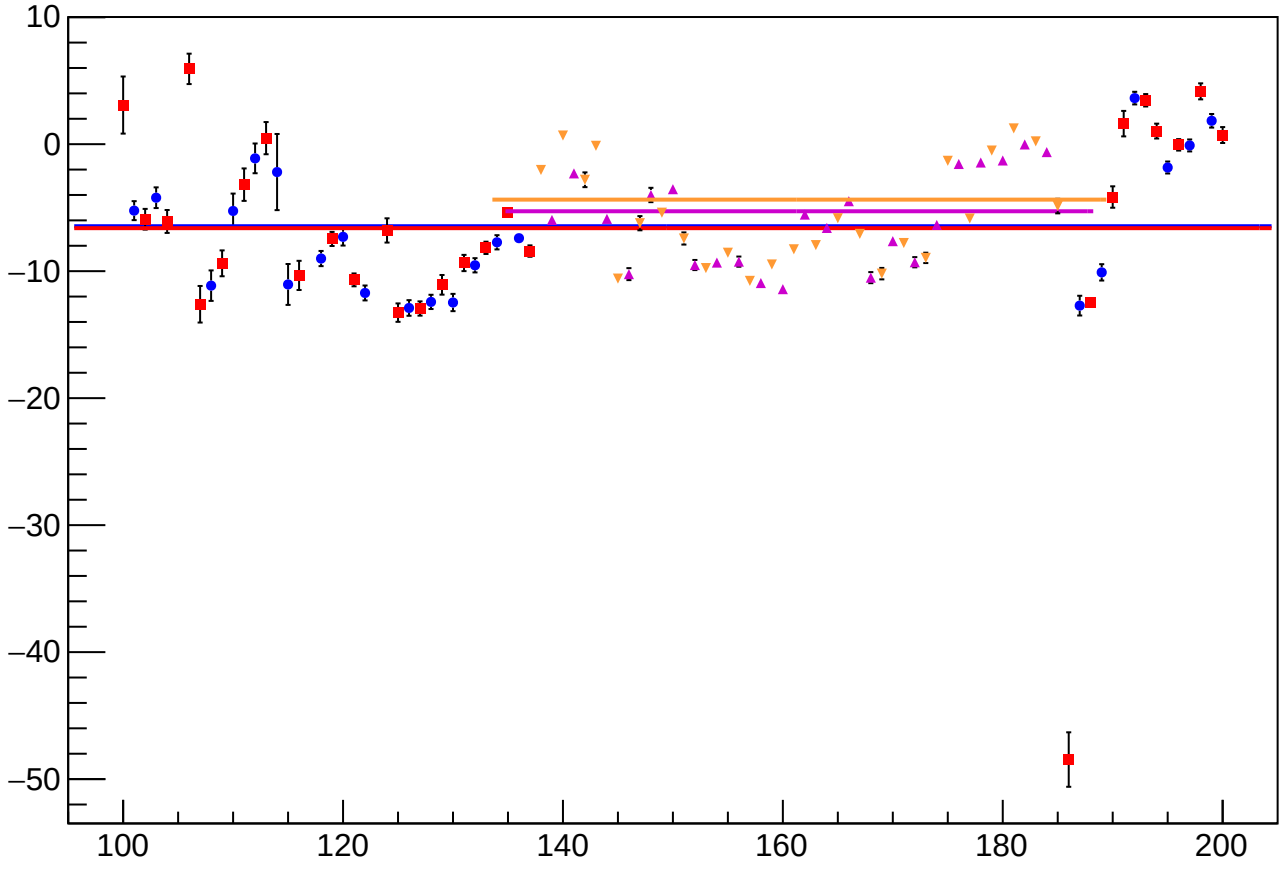
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.309+/-0.085 χ^2/NDF: 13501.2/49

In: -55.154+/-0.053 χ^2/NDF:10222.3/44

Out: -55.167+/-0.051 χ^2/NDF:10531.3/52

All: -55.161+/-0.036 χ^2/NDF: 20753.7/97



Right In: -6.461+/-0.121 χ^2/NDF: 1536.1/21

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

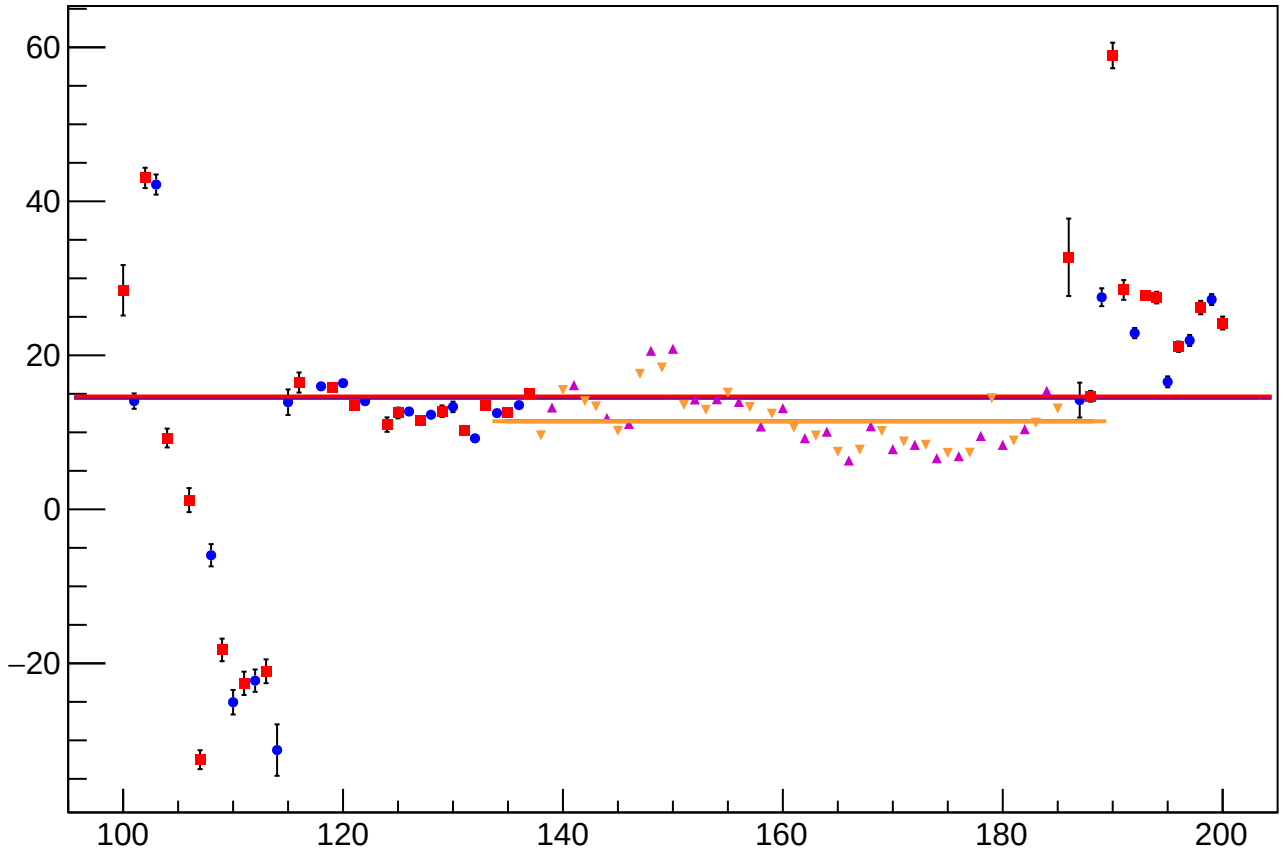
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.542+/-0.083 χ^2/NDF: 4301.7/49

In: -5.585+/-0.061 χ^2/NDF:4356.9/44

Out: -4.972+/-0.059 χ^2/NDF:6750.2/52

All: -5.268+/-0.043 χ^2/NDF: 11158.8/97



Right In: 14.493+/-0.137 χ^2/NDF: 2972.8/21

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

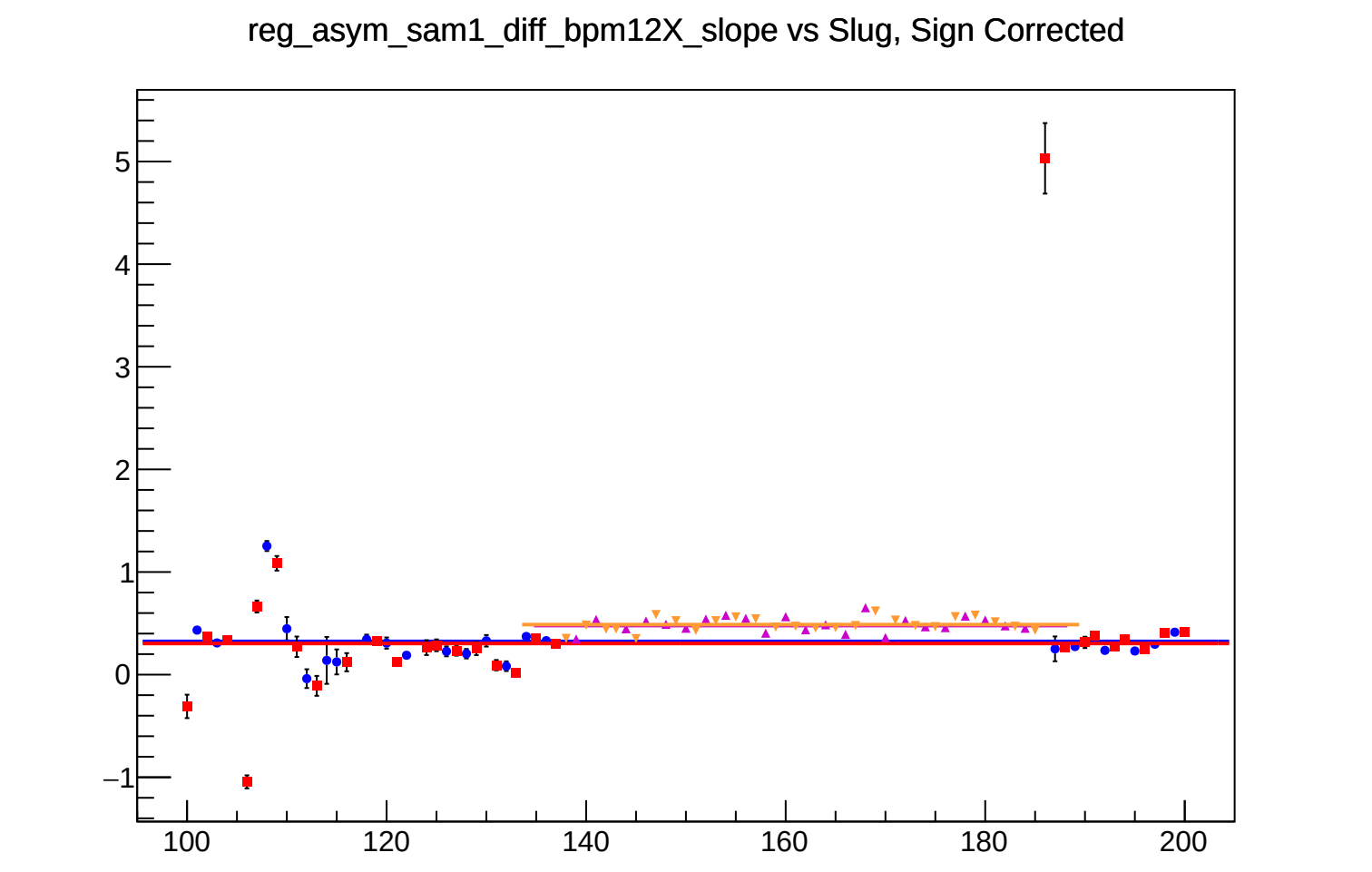
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 14.572+/-0.097 χ^2/NDF: 8777.8/49

In: 11.991+/-0.058 χ^2/NDF:6738.8/44

Out: 11.988+/-0.056 χ^2/NDF:8700.2/52

All: 11.990+/-0.040 χ^2/NDF: 15439.1/97



Right In: 0.324+/-0.006 χ^2/NDF: 499.0/21

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.304+/-0.006 χ^2/NDF: 1031.1/27

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

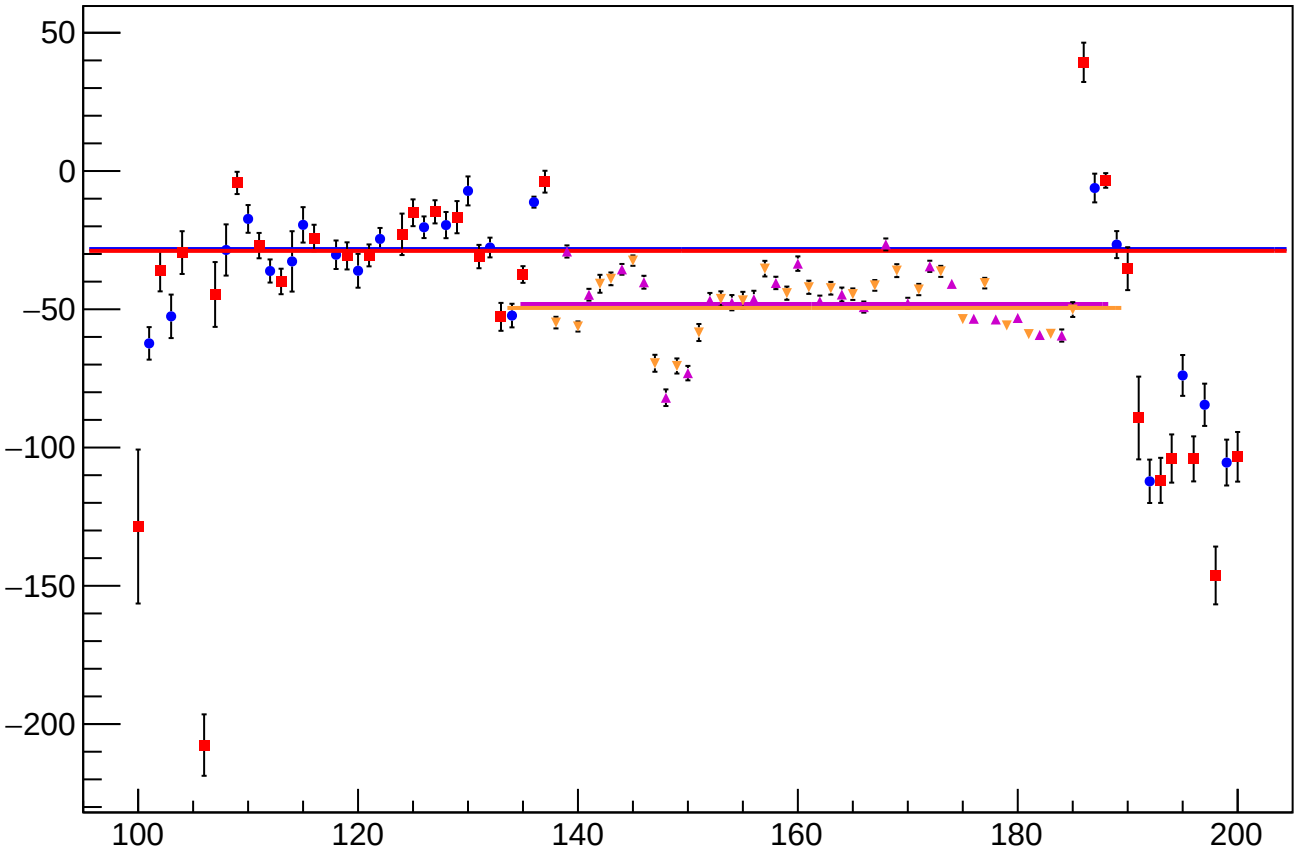
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.314+/-0.004 χ^2/NDF: 1535.3/49

In: 0.453+/-0.003 χ^2/NDF:1809.7/44

Out: 0.458+/-0.002 χ^2/NDF:2314.4/52

All: 0.455+/-0.002 χ^2/NDF: 4125.6/97



Right In: -28.223+/-1.004 χ^2/NDF: 496.6/21

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

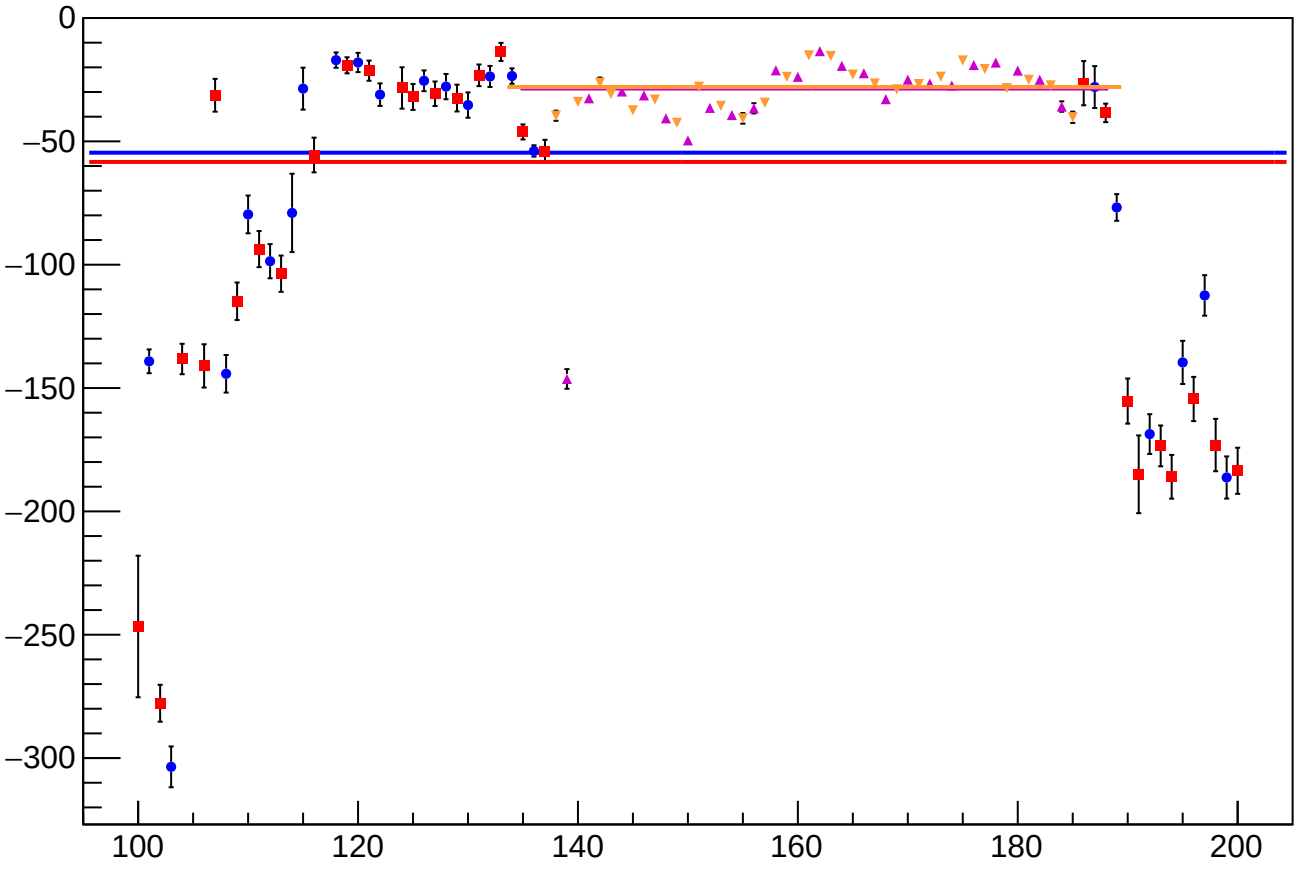
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -28.555+/-0.704 χ^2/NDF: 1571.1/49

In: -45.145+/-0.386 χ^2/NDF:1536.4/44

Out: -46.585+/-0.373 χ^2/NDF:2024.3/52

All: -45.890+/-0.268 χ^2/NDF: 3567.9/97



Right In: -54.593+/-1.037 χ^2/NDF: 2524.2/21

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

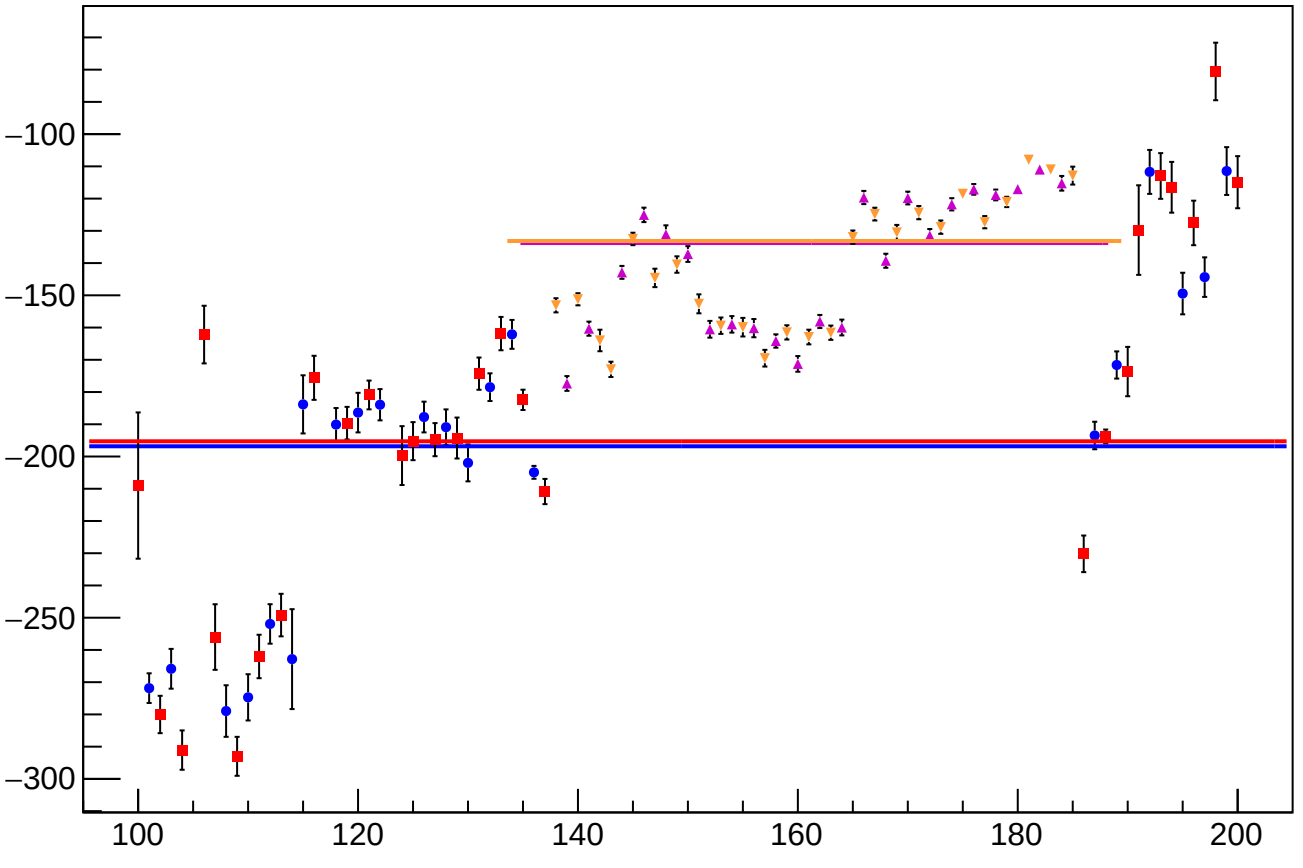
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -56.414+/-0.744 χ^2/NDF: 5400.0/49

In: -31.031+/-0.318 χ^2/NDF:4574.6/44

Out: -30.472+/-0.308 χ^2/NDF:4108.5/52

All: -30.743+/-0.221 χ^2/NDF: 8684.7/97



Right In: -196.829+/-1.042 χ^2/NDF: 1278.8/21

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

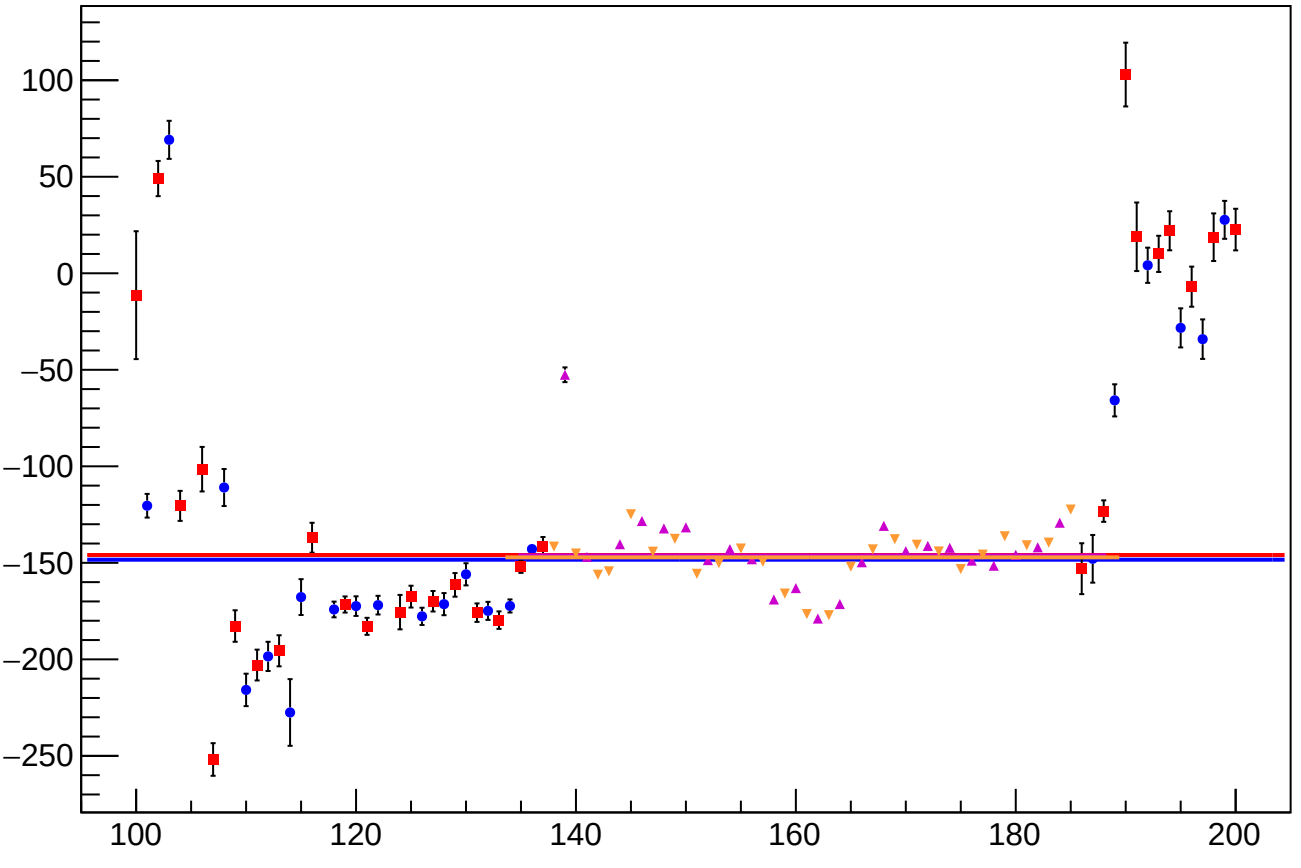
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -196.035+/-0.727 χ^2/NDF: 2992.3/49

In: -142.485+/-0.387 χ^2/NDF:6877.3/44

Out: -141.603+/-0.375 χ^2/NDF:7475.9/52

All: -142.029+/-0.269 χ^2/NDF: 14355.9/97



Right In: -148.368+/-1.172 χ^2/NDF: 1855.7/21

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

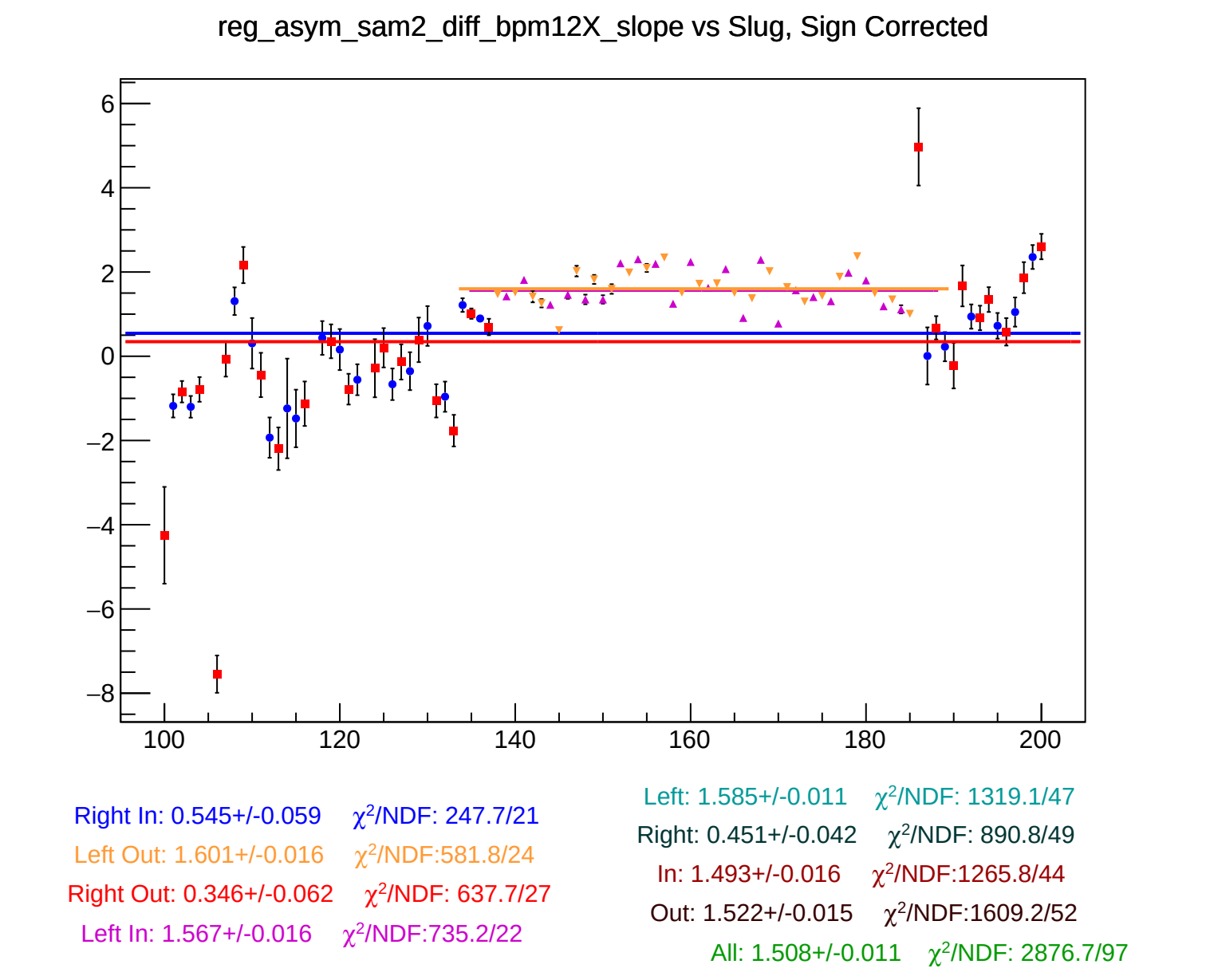
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

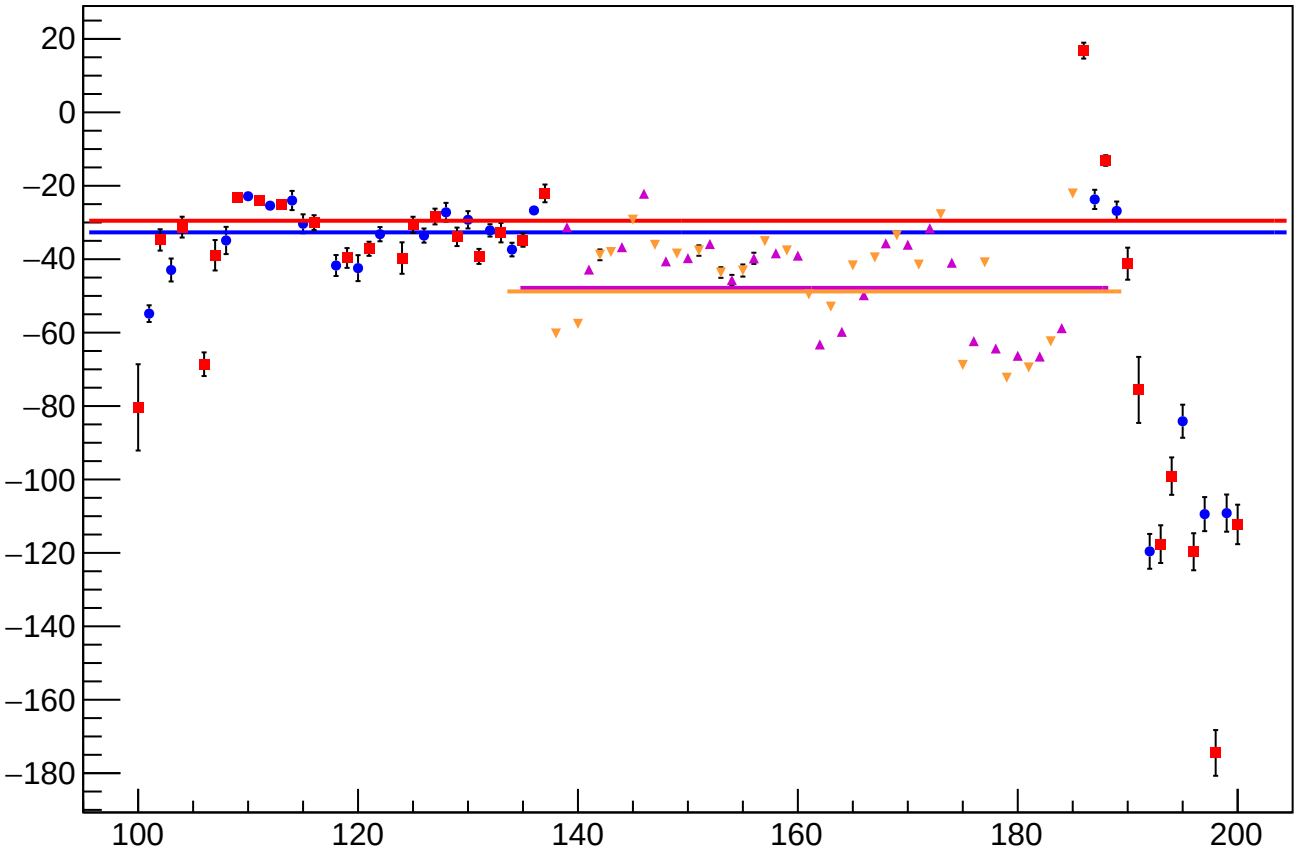
Right: -147.215+/-0.848 χ^2/NDF: 4369.3/49

In: -146.373+/-0.353 χ^2/NDF:3652.7/44

Out: -147.071+/-0.344 χ^2/NDF:3758.1/52

All: -146.731+/-0.246 χ^2/NDF: 7412.8/97


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: 0.545+/-0.059 χ²/NDF: 247.7/21
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: 0.451+/-0.042 χ²/NDF: 890.8/49
In: 1.493+/-0.016 χ²/NDF:1265.8/44
Out: 1.522+/-0.015 χ²/NDF:1609.2/52
All: 1.508+/-0.011 χ²/NDF: 2876.7/97



Right In: -32.690+/-0.445 χ^2/NDF: 1263.5/21

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

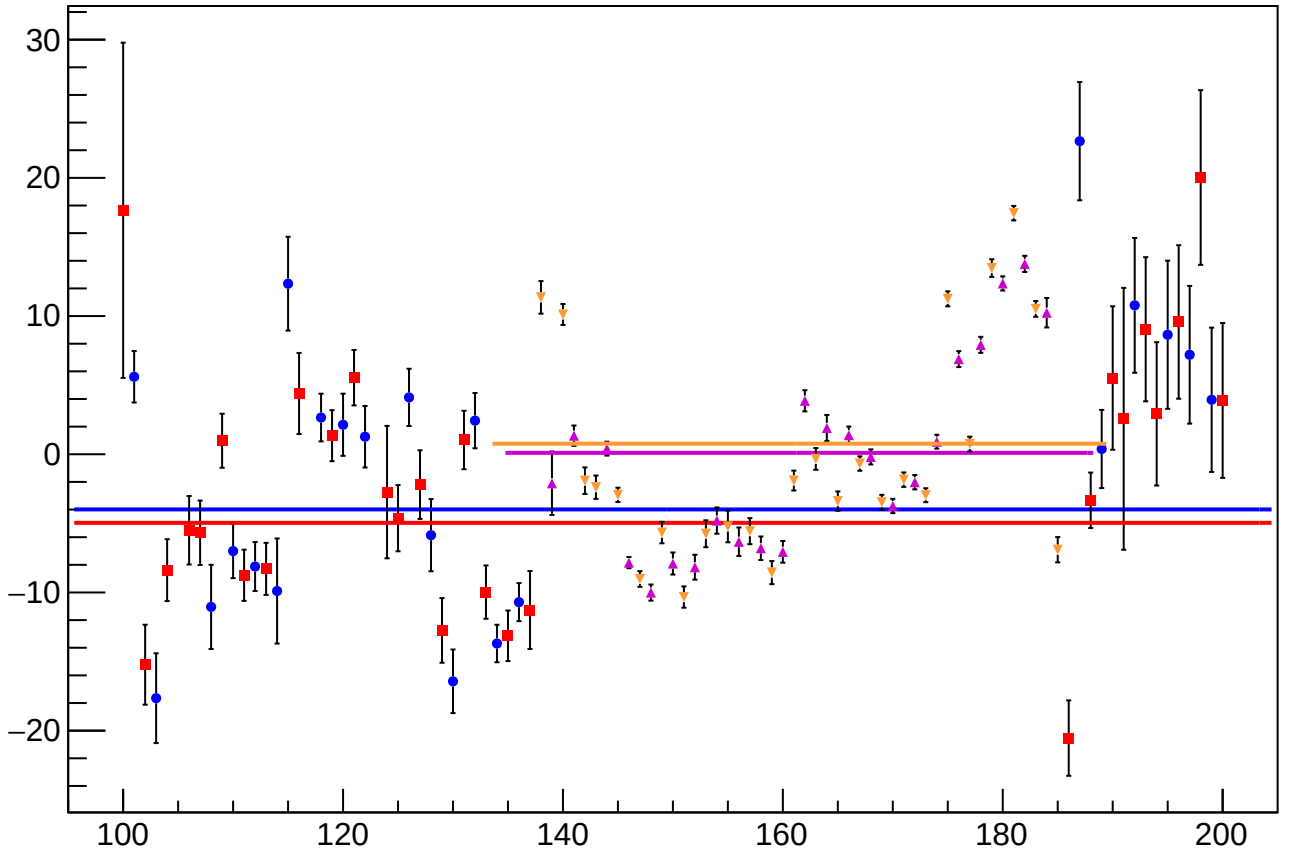
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

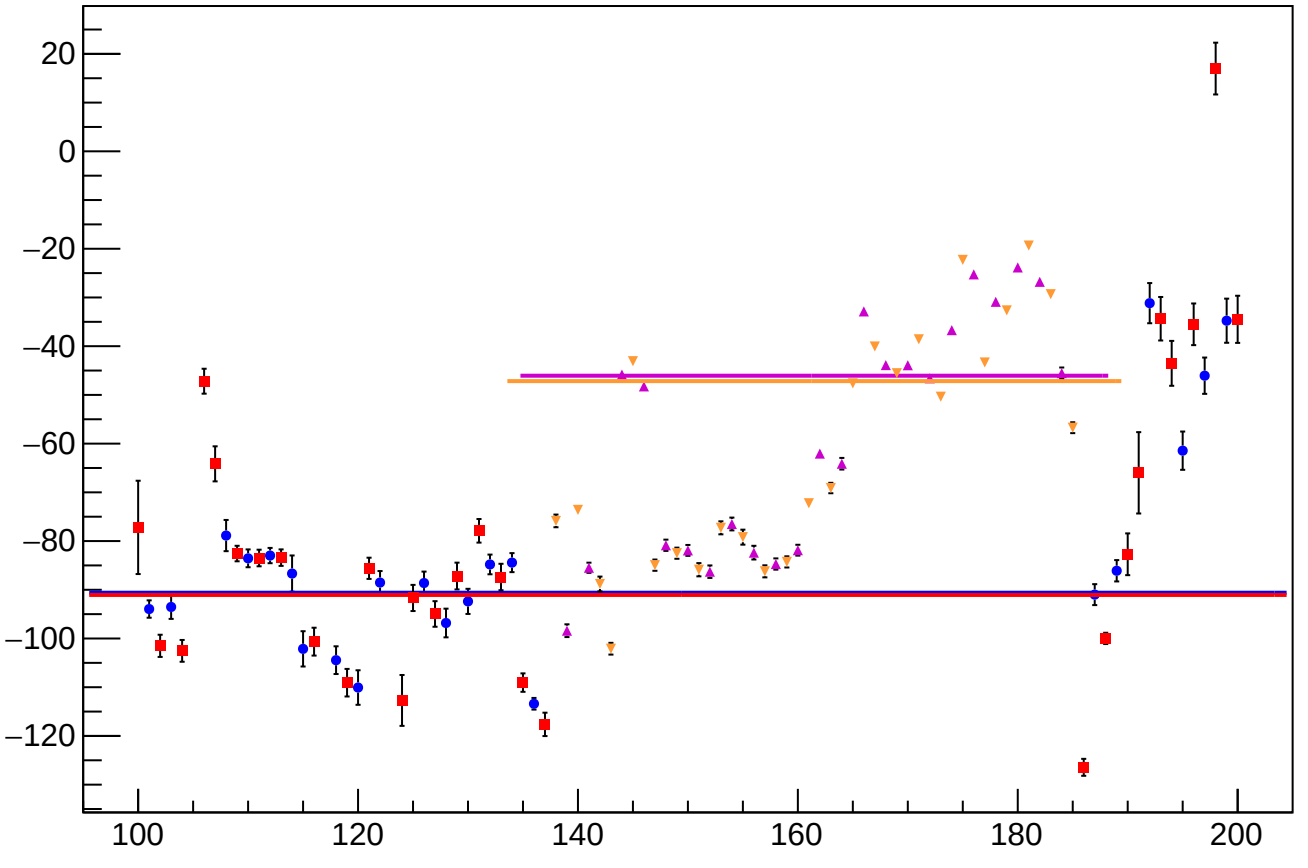
Right: -30.987+/-0.303 χ^2/NDF: 3818.0/49

In: -45.896+/-0.159 χ^2/NDF:9495.3/44

Out: -46.082+/-0.155 χ^2/NDF:13351.8/52

All: -45.991+/-0.111 χ^2/NDF: 22847.8/97


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.991+/-0.489 χ²/NDF: 304.3/21
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: -4.480+/-0.345 χ²/NDF: 515.5/49
In: -0.180+/-0.128 χ²/NDF:3091.4/44
Out: 0.370+/-0.128 χ²/NDF:3805.9/52
All: 0.096+/-0.090 χ²/NDF: 6906.6/97



Right In: -90.605+/-0.492 χ^2/NDF: 1071.7/21

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -91.060+/-0.458 χ^2/NDF: 2264.2/27

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

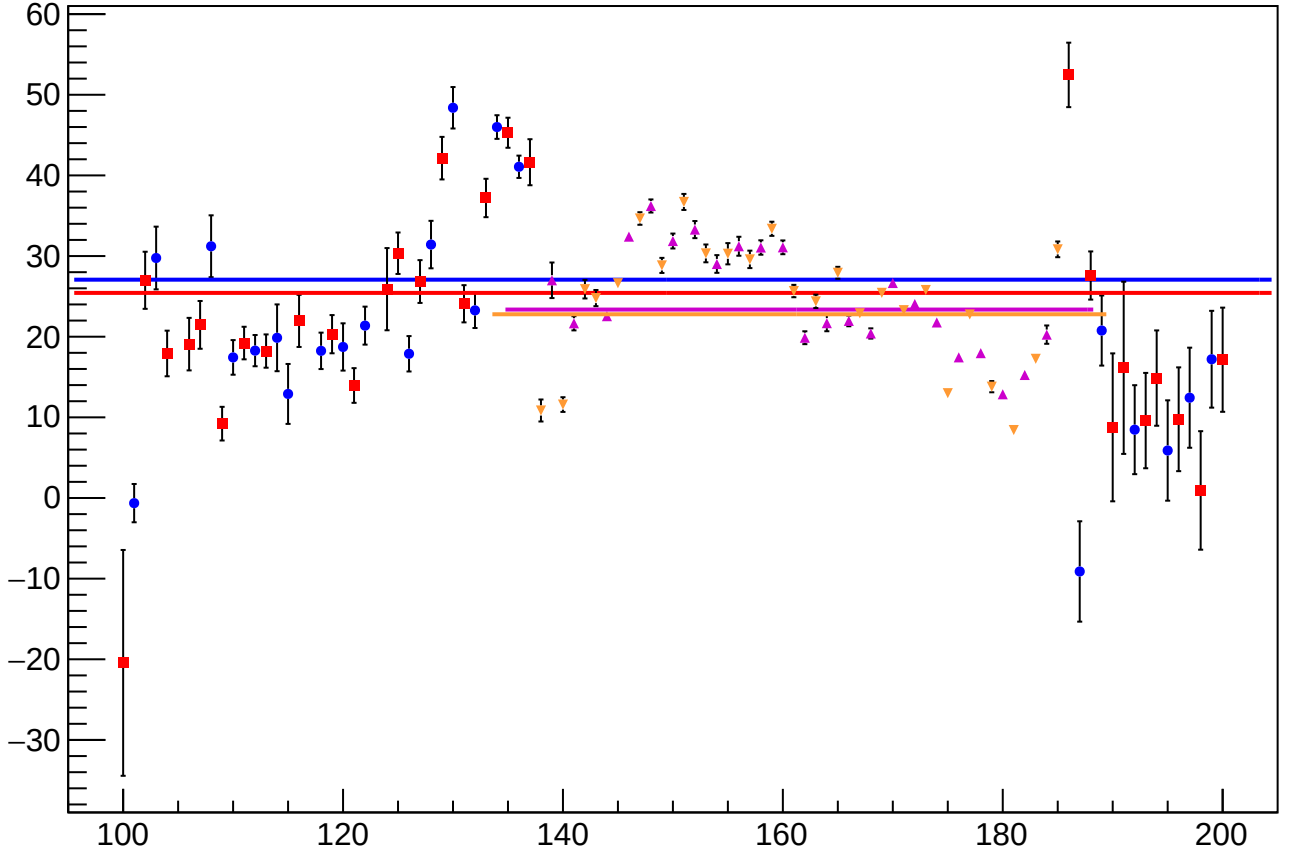
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.848+/-0.335 χ^2/NDF: 3336.4/49

In: -50.823+/-0.161 χ^2/NDF:23172.8/44

Out: -52.347+/-0.157 χ^2/NDF:28021.9/52

All: -51.602+/-0.112 χ^2/NDF: 51240.6/97



Right In: 27.071+/-0.552 χ^2/NDF: 653.3/21

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

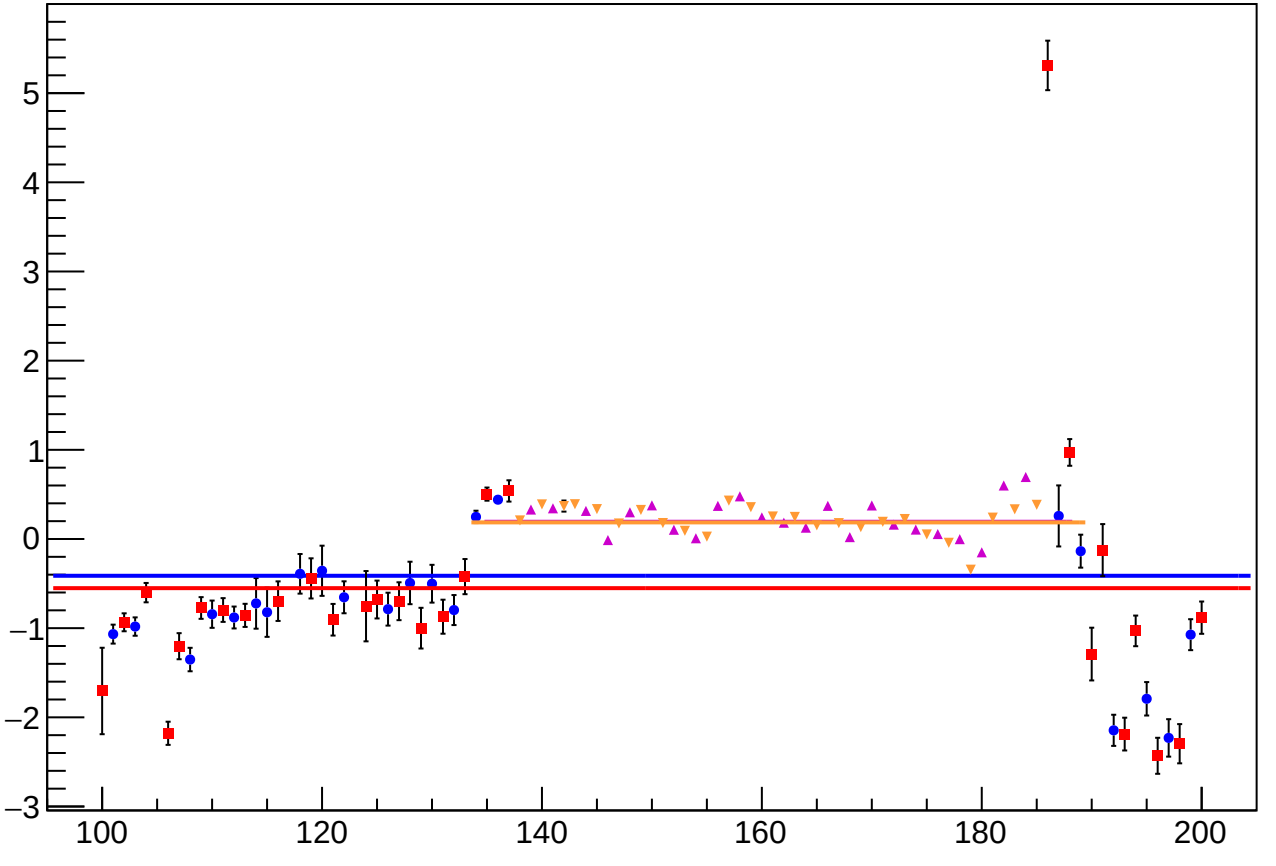
Right: 26.263+/-0.393 χ^2/NDF: 1091.7/49

In: 23.617+/-0.144 χ^2/NDF:2480.7/44

Out: 22.953+/-0.142 χ^2/NDF:2867.9/52

All: 23.282+/-0.101 χ^2/NDF: 5359.3/97

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.413+/-0.029 χ^2/NDF: 723.6/21

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

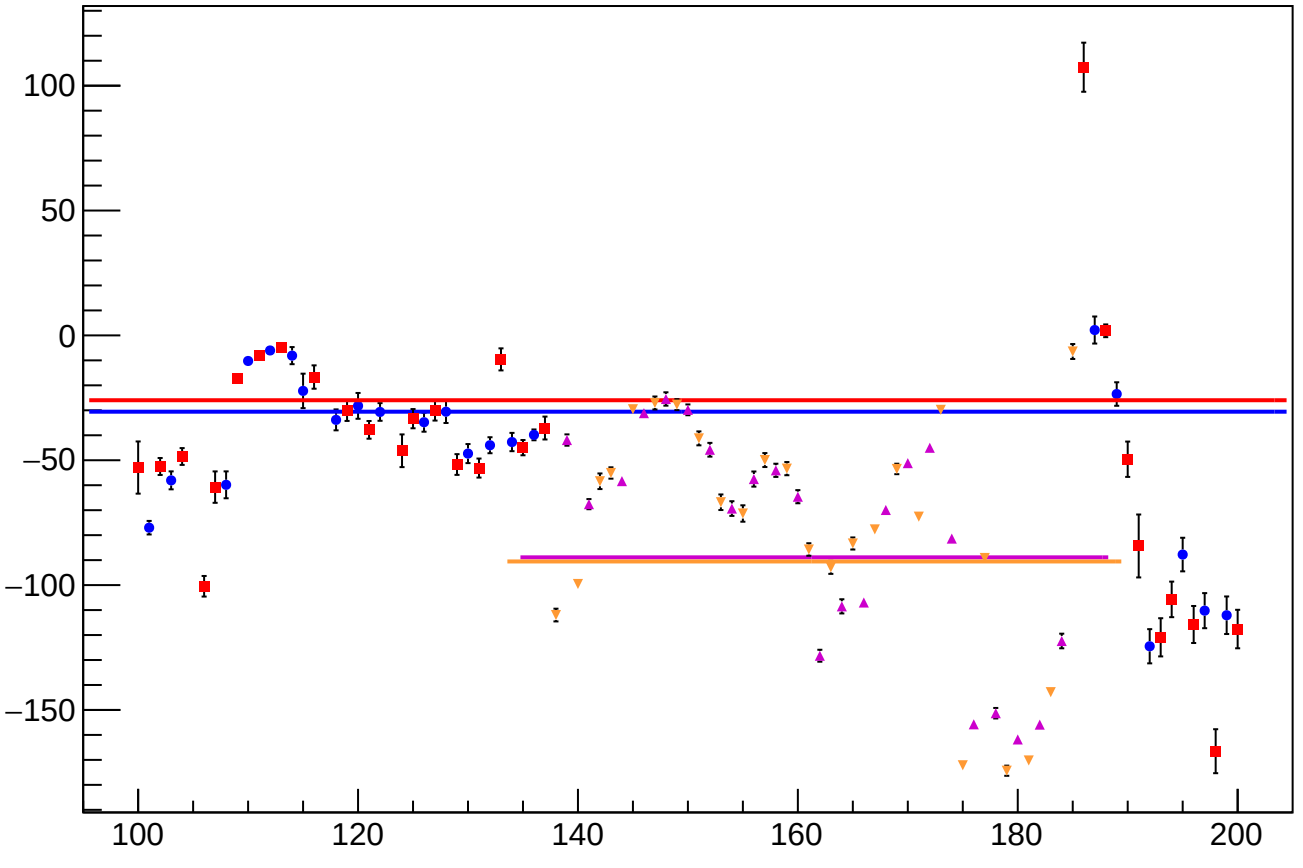
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.480+/-0.021 χ^2/NDF: 2043.3/49

In: 0.162+/-0.007 χ^2/NDF:2086.5/44

Out: 0.151+/-0.006 χ^2/NDF:2548.2/52

All: 0.157+/-0.005 χ^2/NDF: 4636.1/97



Right In: -30.556+/-0.699 χ^2/NDF: 1452.6/21

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

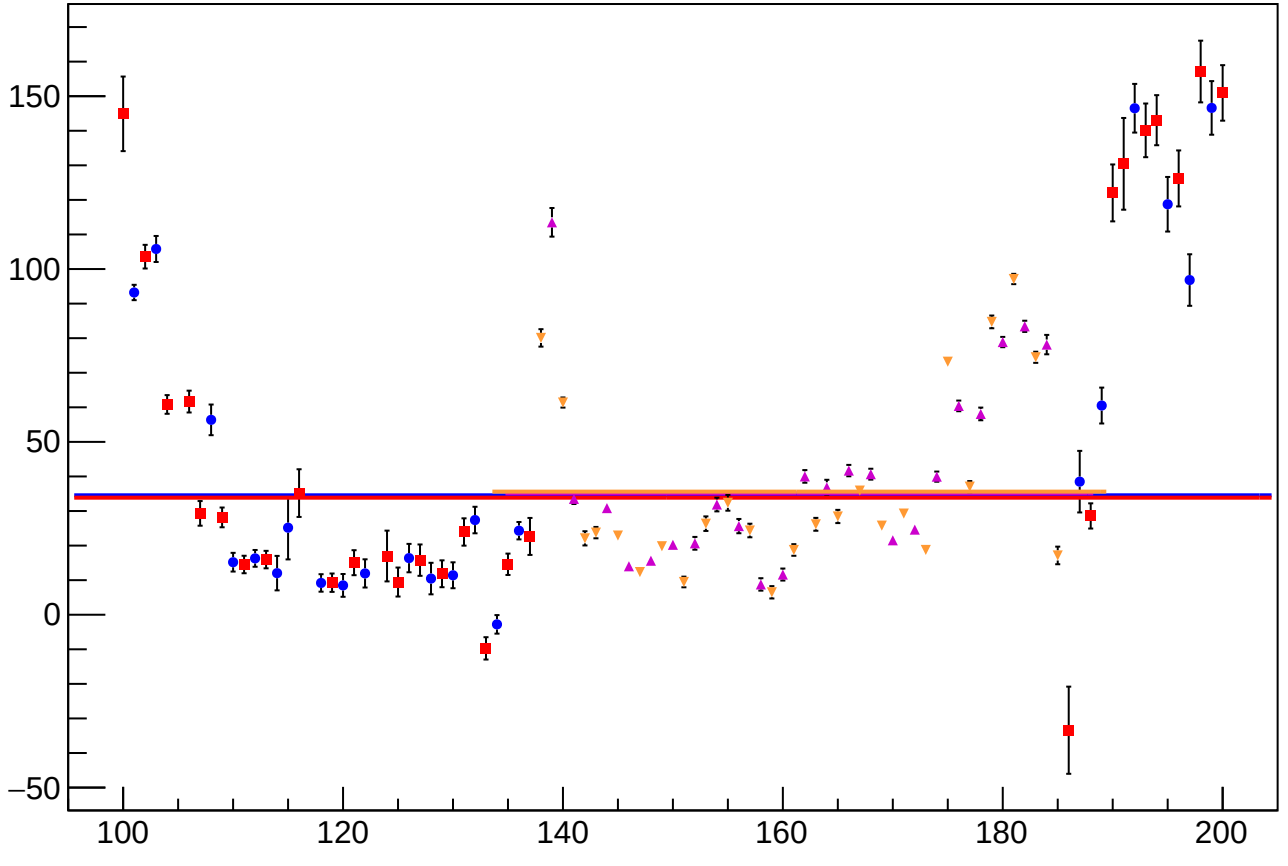
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -28.011+/-0.466 χ^2/NDF: 3629.1/49

In: -72.614+/-0.369 χ^2/NDF:18296.6/44

Out: -70.412+/-0.350 χ^2/NDF:24831.4/52

All: -71.453+/-0.254 χ^2/NDF: 43146.8/97



Right In: 34.549+/-0.777 χ^2/NDF: 2373.7/21

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

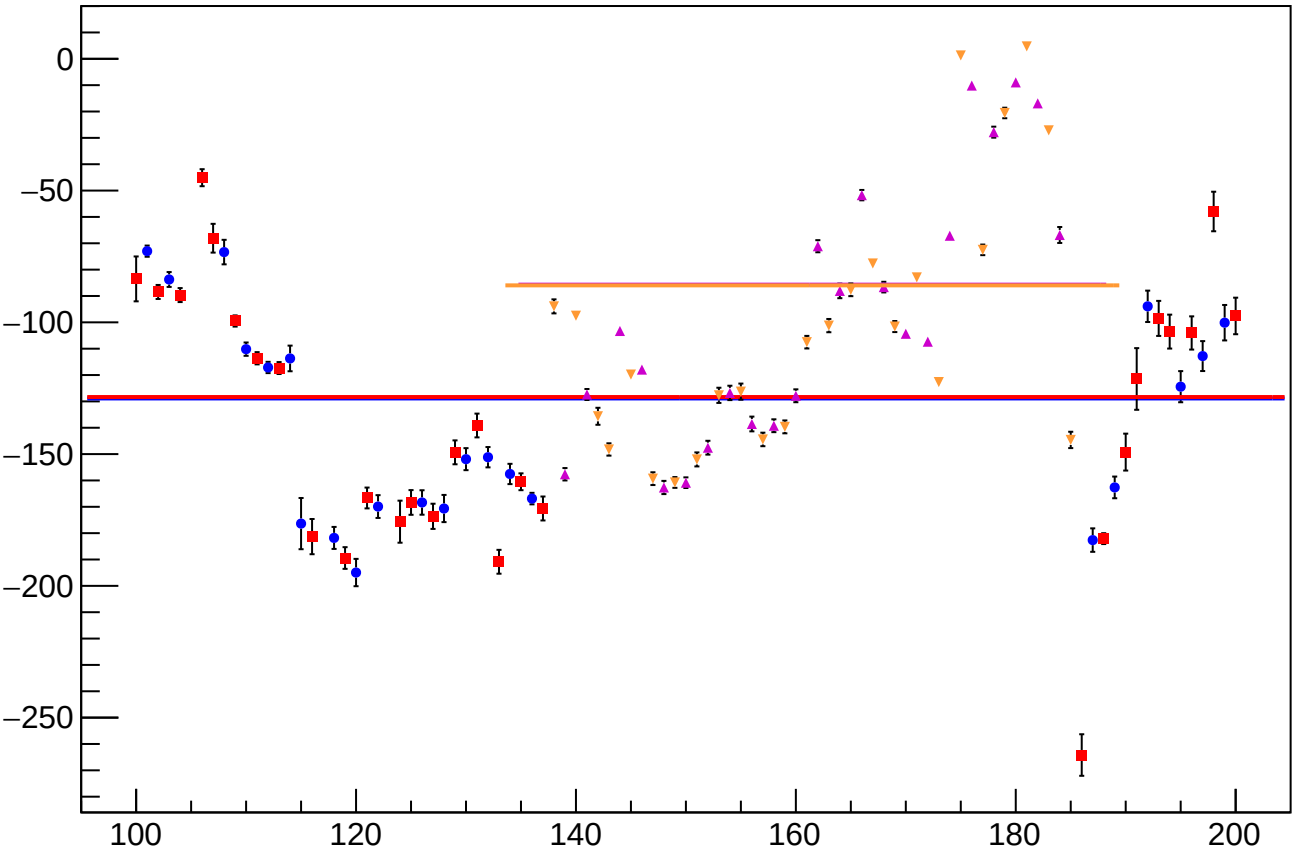
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 34.195+/-0.541 χ^2/NDF: 4764.4/49

In: 35.023+/-0.309 χ^2/NDF:6518.5/44

Out: 35.337+/-0.299 χ^2/NDF:8367.9/52

All: 35.185+/-0.215 χ^2/NDF: 14887.0/97



Right In: -128.881+/-0.773 χ^2/NDF: 2456.7/21

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

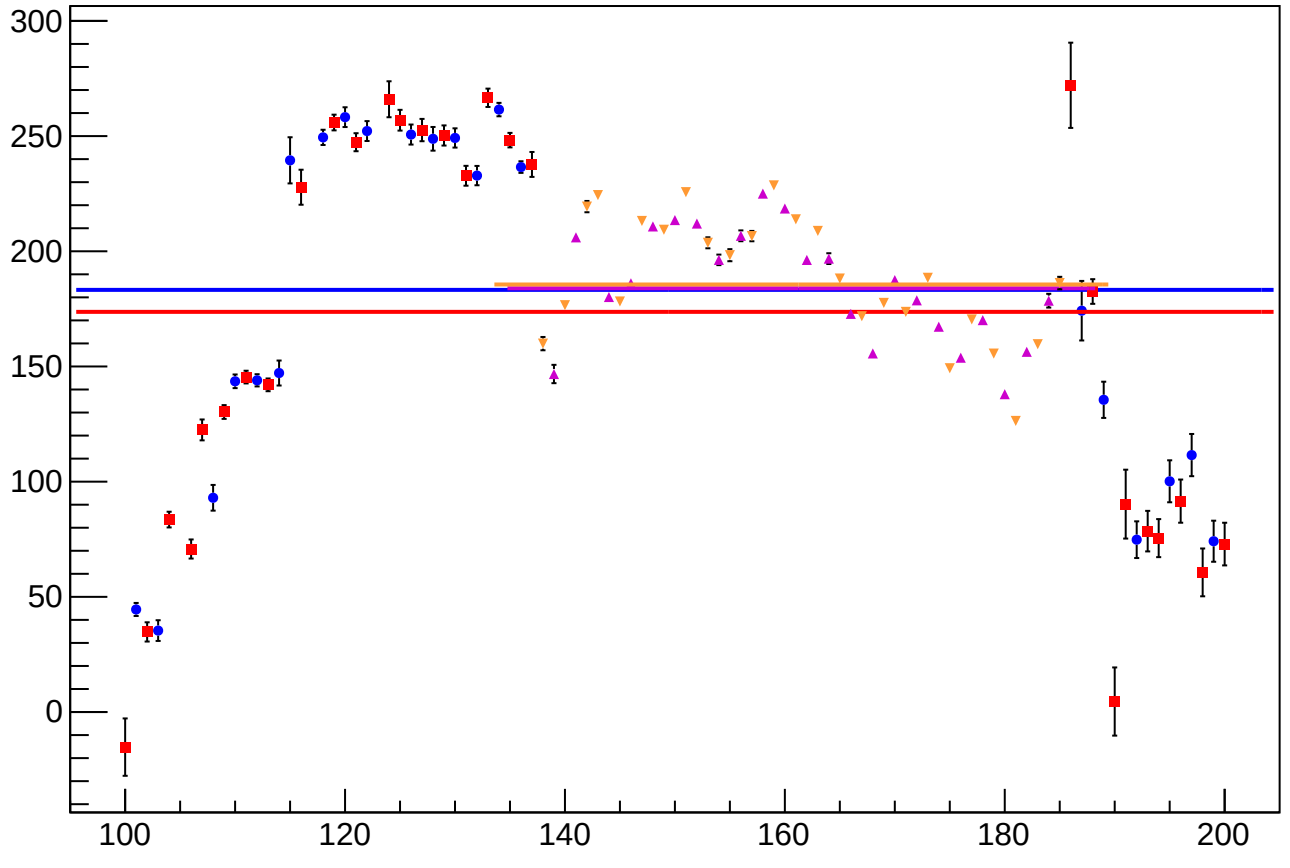
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -128.594+/-0.525 χ^2/NDF: 6079.6/49

In: -95.997+/-0.377 χ^2/NDF:18591.1/44

Out: -96.892+/-0.363 χ^2/NDF:22469.5/52

All: -96.463+/-0.261 χ^2/NDF: 41063.5/97



Right In: 183.249+/-0.891 χ^2/NDF: 7663.5/21

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

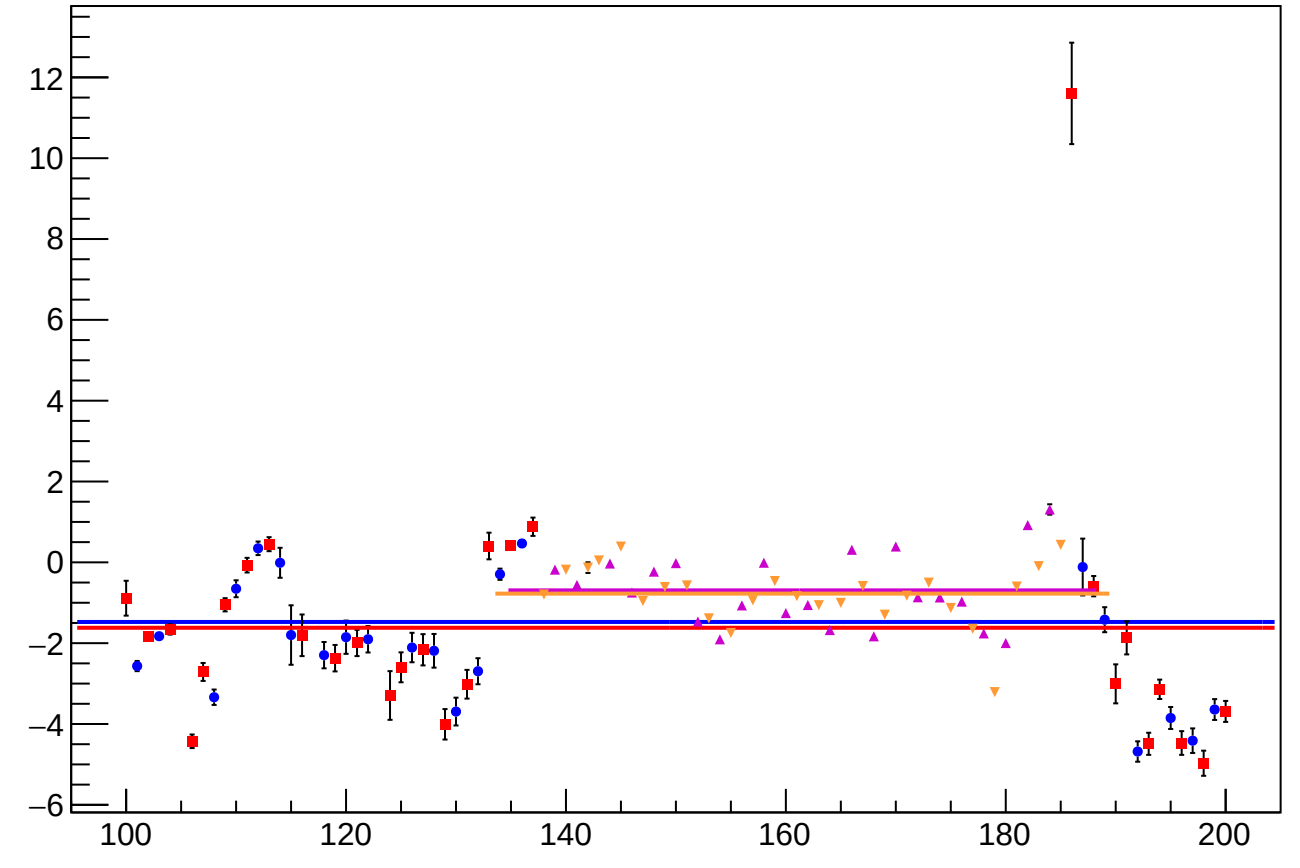
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 178.370+/-0.623 χ^2/NDF: 15190.1/49

In: 183.835+/-0.348 χ^2/NDF:11537.5/44

Out: 183.793+/-0.338 χ^2/NDF:12980.6/52

All: 183.813+/-0.242 χ^2/NDF: 24518.2/97



Right In: -1.475+/-0.045 χ^2/NDF: 1240.7/21

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

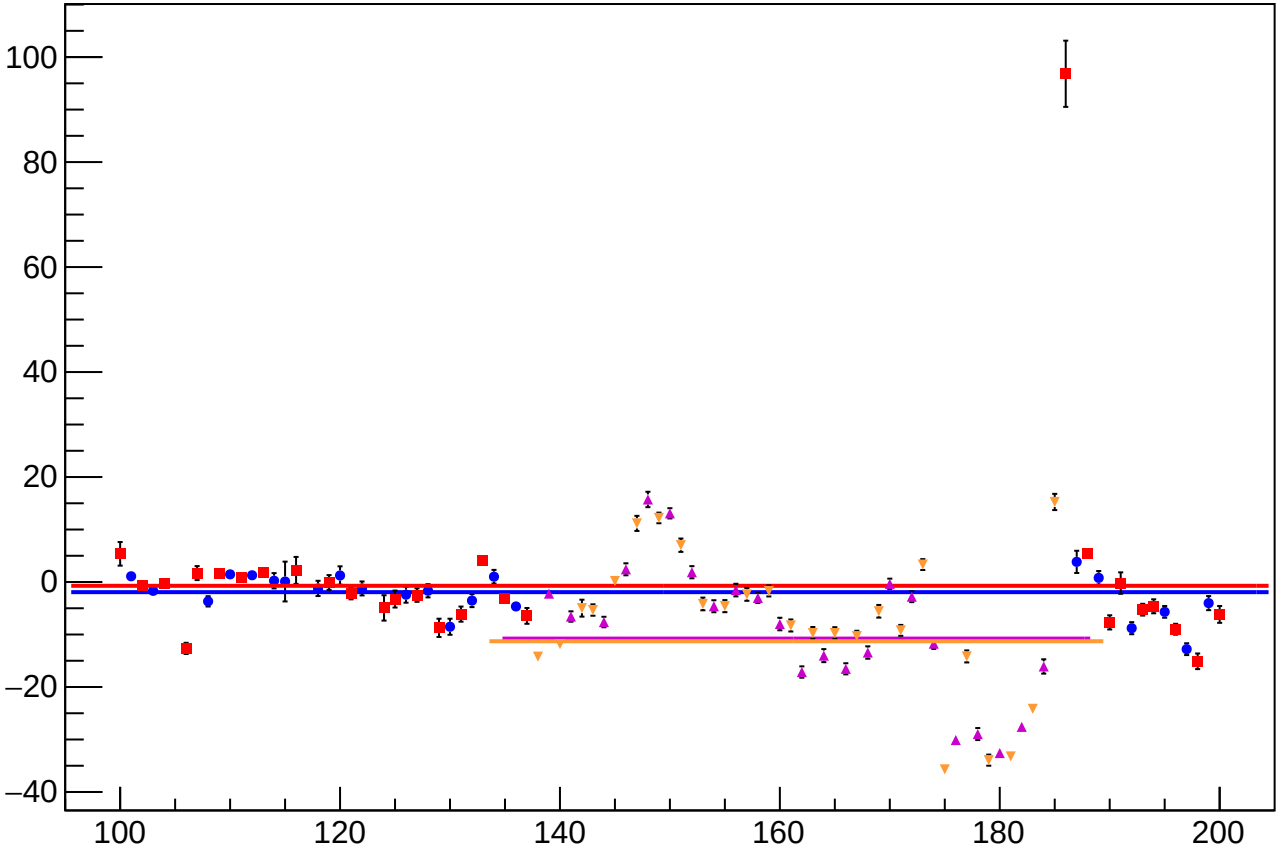
Right: -1.549+/-0.031 χ^2/NDF: 2853.3/49

In: -0.790+/-0.016 χ^2/NDF:4074.3/44

Out: -0.881+/-0.015 χ^2/NDF:3765.6/52

All: -0.837+/-0.011 χ^2/NDF: 7857.0/97

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.931+/-0.228 χ^2/NDF: 272.5/21

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

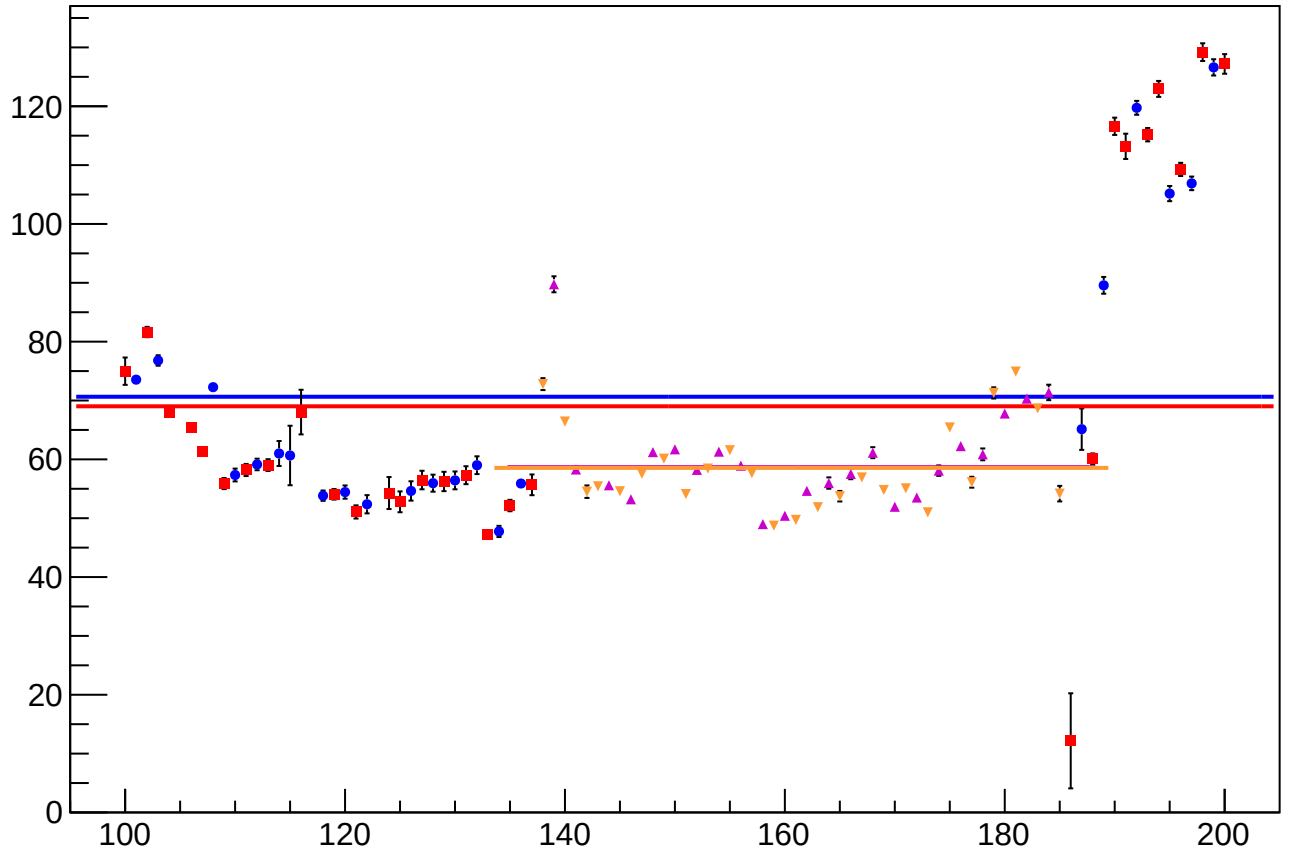
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.229+/-0.148 χ^2/NDF: 1133.9/49

In: -6.637+/-0.156 χ^2/NDF:4775.8/44

Out: -5.635+/-0.142 χ^2/NDF:6724.7/52

All: -6.090+/-0.105 χ^2/NDF: 11523.1/97



Right In: 70.641+/-0.240 χ^2/NDF: 7591.3/21

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

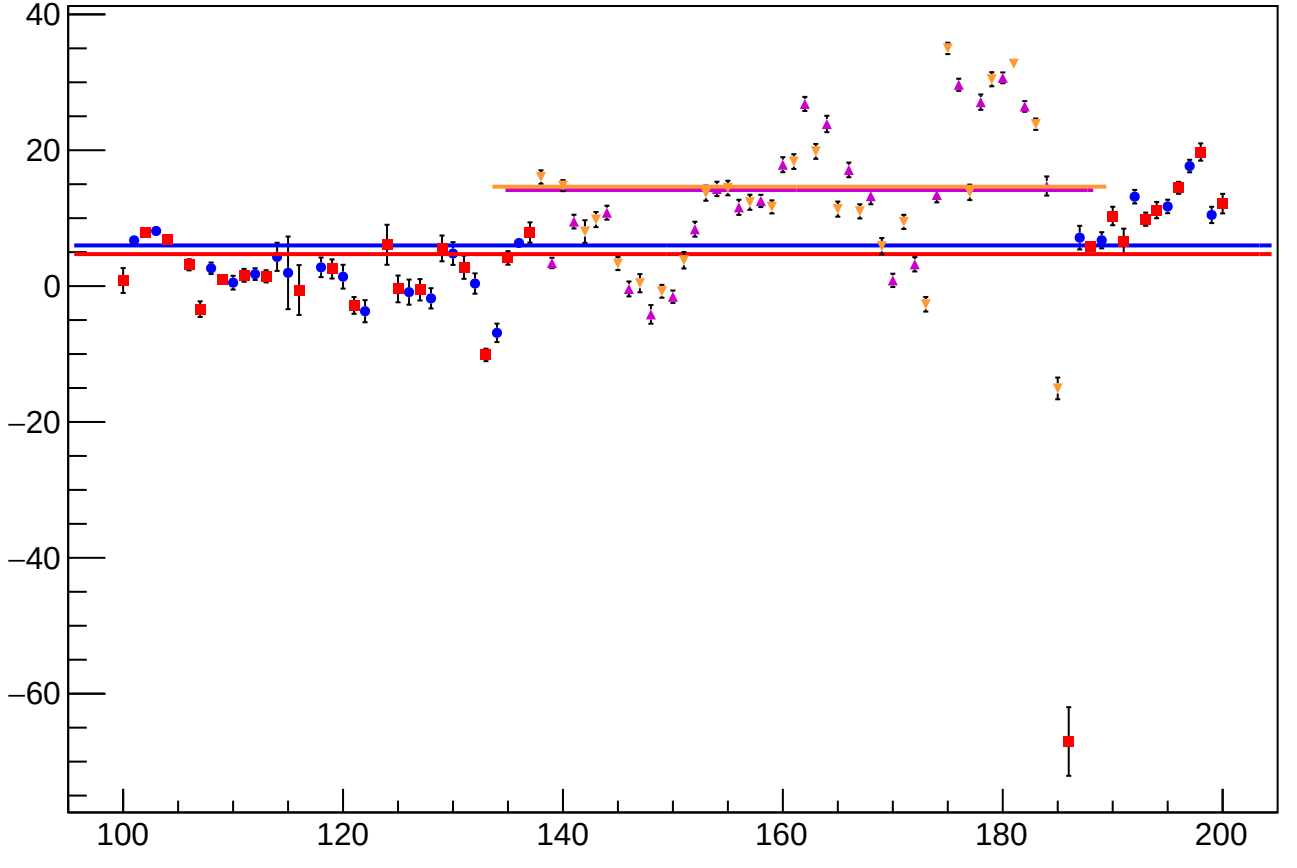
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 69.740+/-0.160 χ^2/NDF: 19605.0/49

In: 62.625+/-0.138 χ^2/NDF:10869.6/44

Out: 62.310+/-0.129 χ^2/NDF:15406.1/52

All: 62.457+/-0.094 χ^2/NDF: 26278.5/97



Right In: 5.986+/-0.229 χ^2/NDF: 533.9/21

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

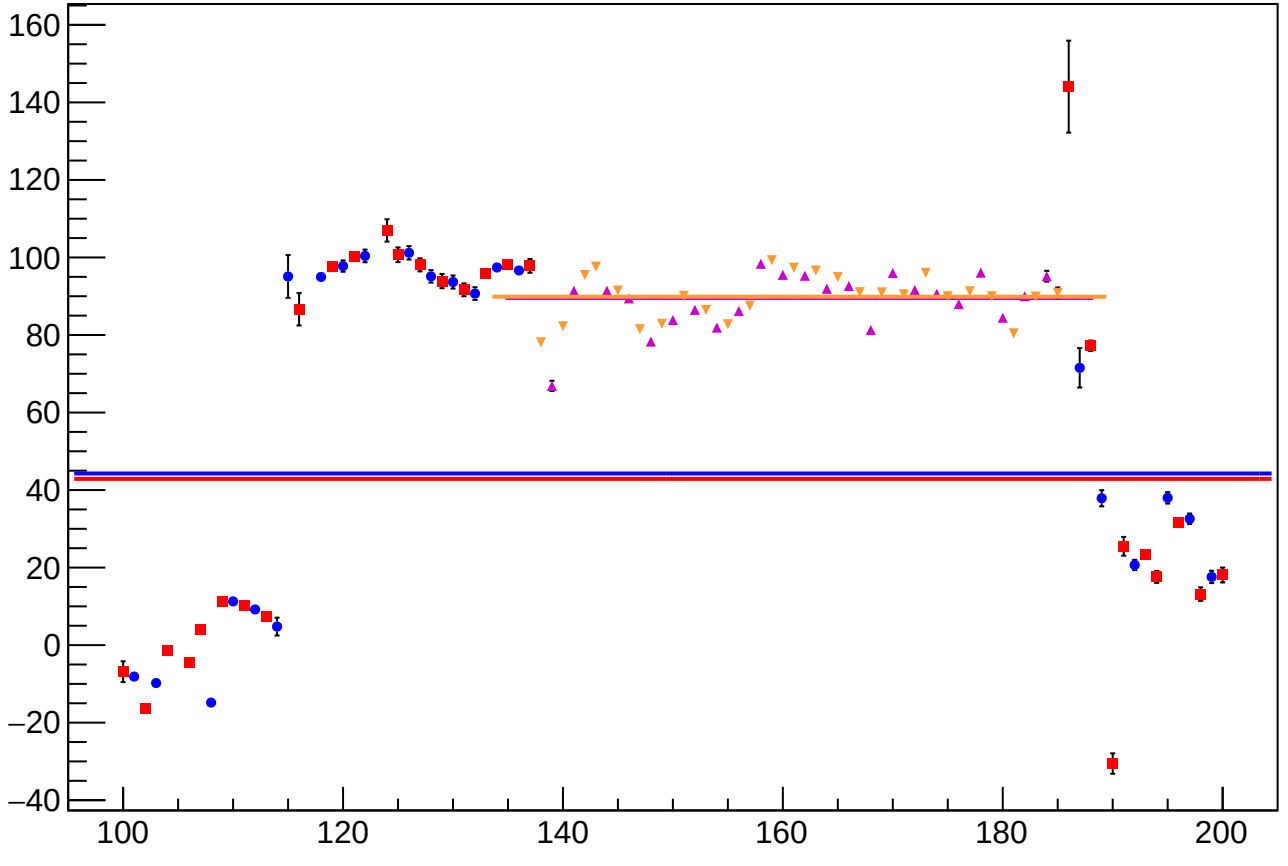
Right: 5.257+/-0.150 χ^2/NDF: 1592.8/49

In: 10.389+/-0.155 χ^2/NDF:3762.0/44

Out: 9.465+/-0.143 χ^2/NDF:5203.9/52

All: 9.890+/-0.105 χ^2/NDF: 8985.0/97

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.276+/-0.280 χ^2/NDF: 27716.8/21

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

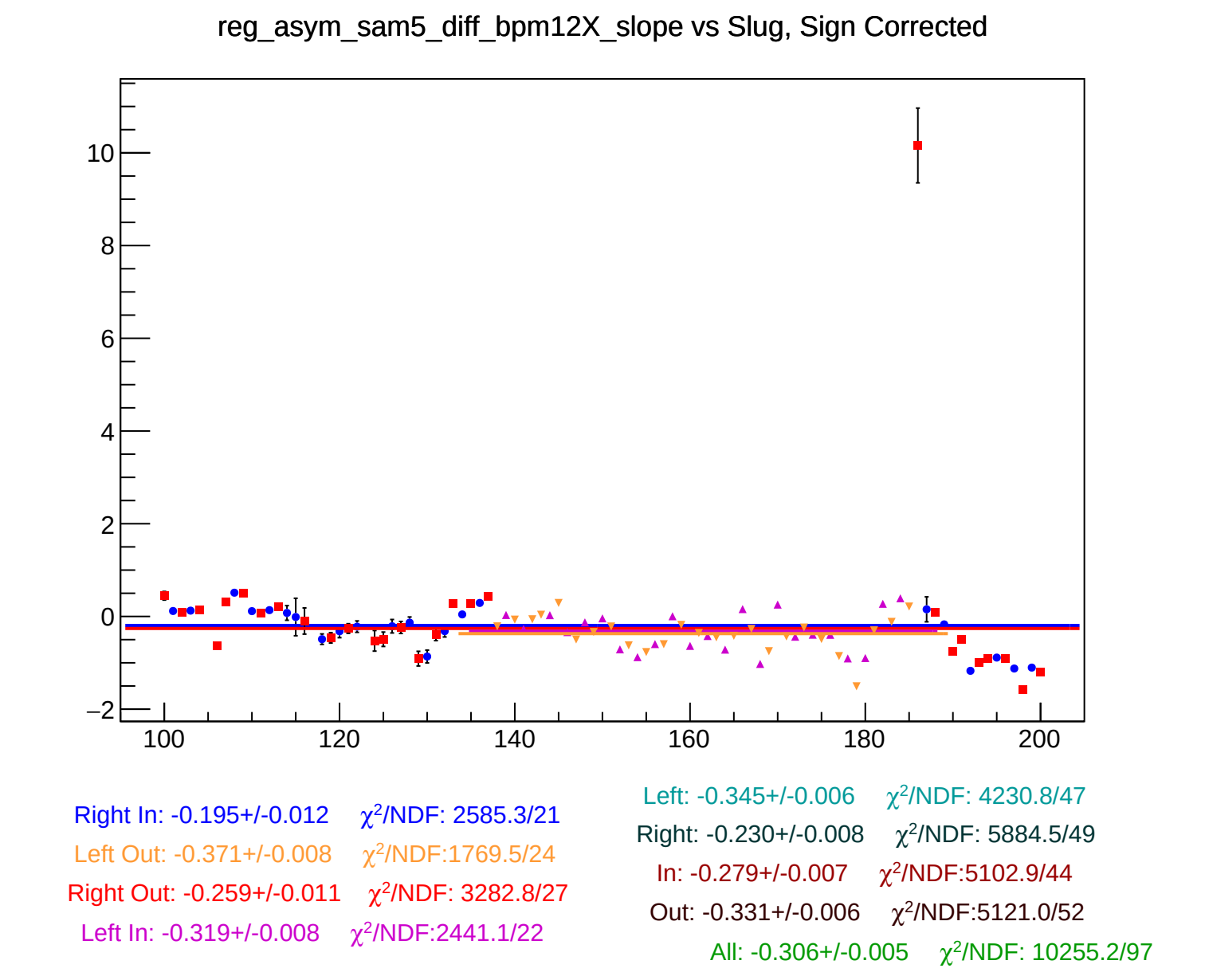
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

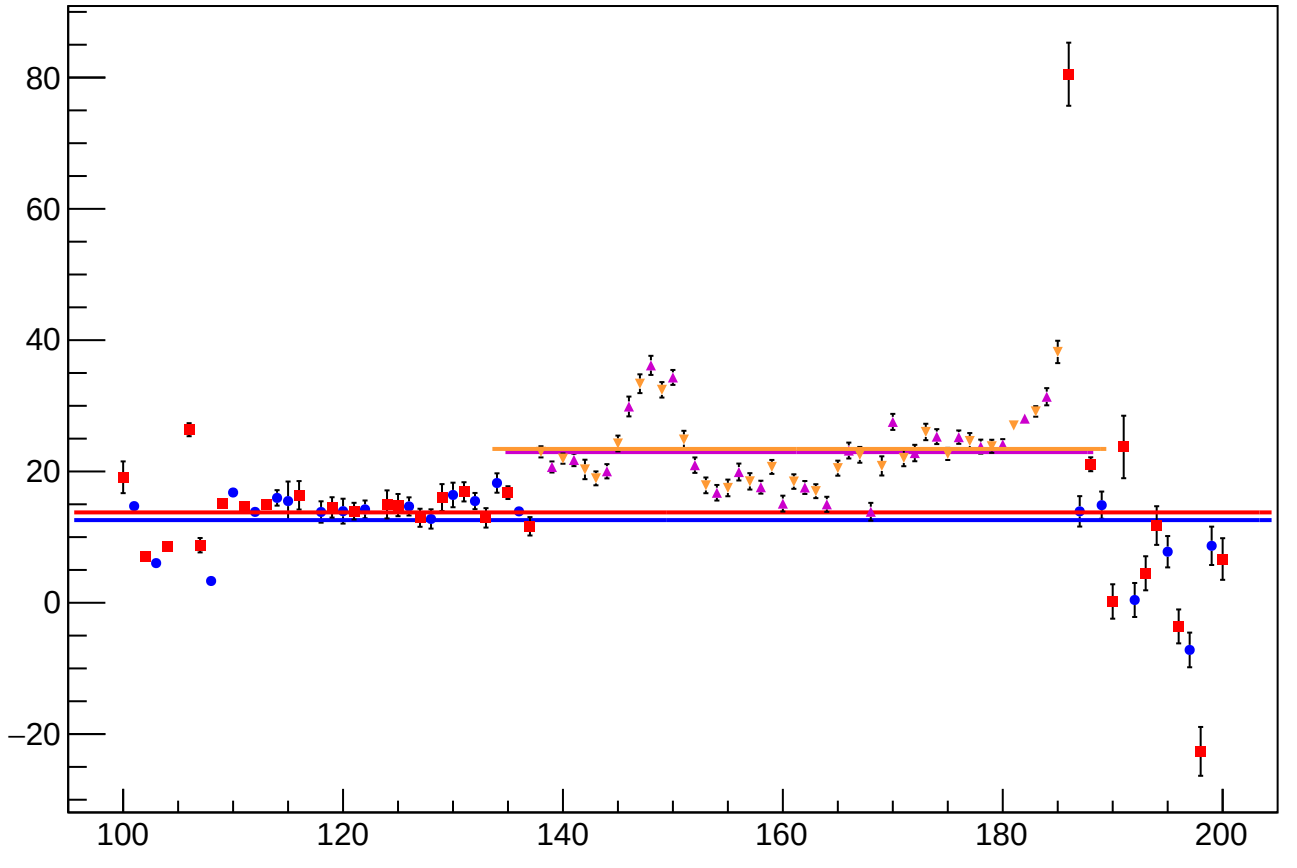
Right: 43.514+/-0.188 χ^2/NDF: 59334.6/49

In: 75.522+/-0.156 χ^2/NDF:46856.6/44

Out: 74.075+/-0.147 χ^2/NDF:55326.1/52

All: 74.758+/-0.107 χ^2/NDF: 102228.2/97


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.195+/-0.012 χ²/NDF: 2585.3/21
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.259+/-0.011 χ²/NDF: 3282.8/27
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.230+/-0.008 χ²/NDF: 5884.5/49
In: -0.279+/-0.007 χ²/NDF:5102.9/44
Out: -0.331+/-0.006 χ²/NDF:5121.0/52
All: -0.306+/-0.005 χ²/NDF: 10255.2/97



Right In: 12.590+/-0.209 χ^2/NDF: 474.8/21

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

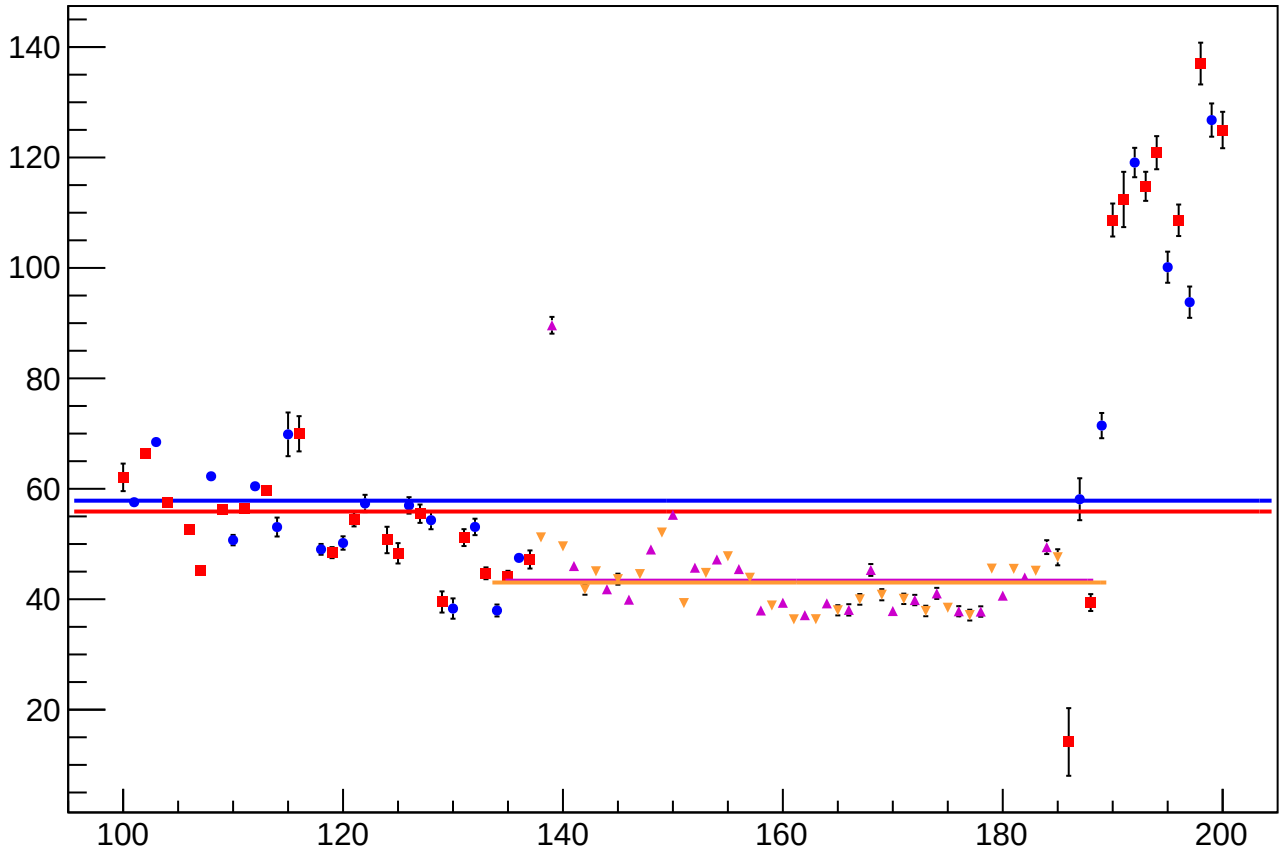
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.212+/-0.144 χ^2/NDF: 1326.6/49

In: 17.387+/-0.153 χ^2/NDF:2174.4/44

Out: 18.163+/-0.146 χ^2/NDF:2356.1/52

All: 17.795+/-0.106 χ^2/NDF: 4543.9/97



Right In: 57.849+/-0.218 χ^2/NDF: 2603.5/21

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

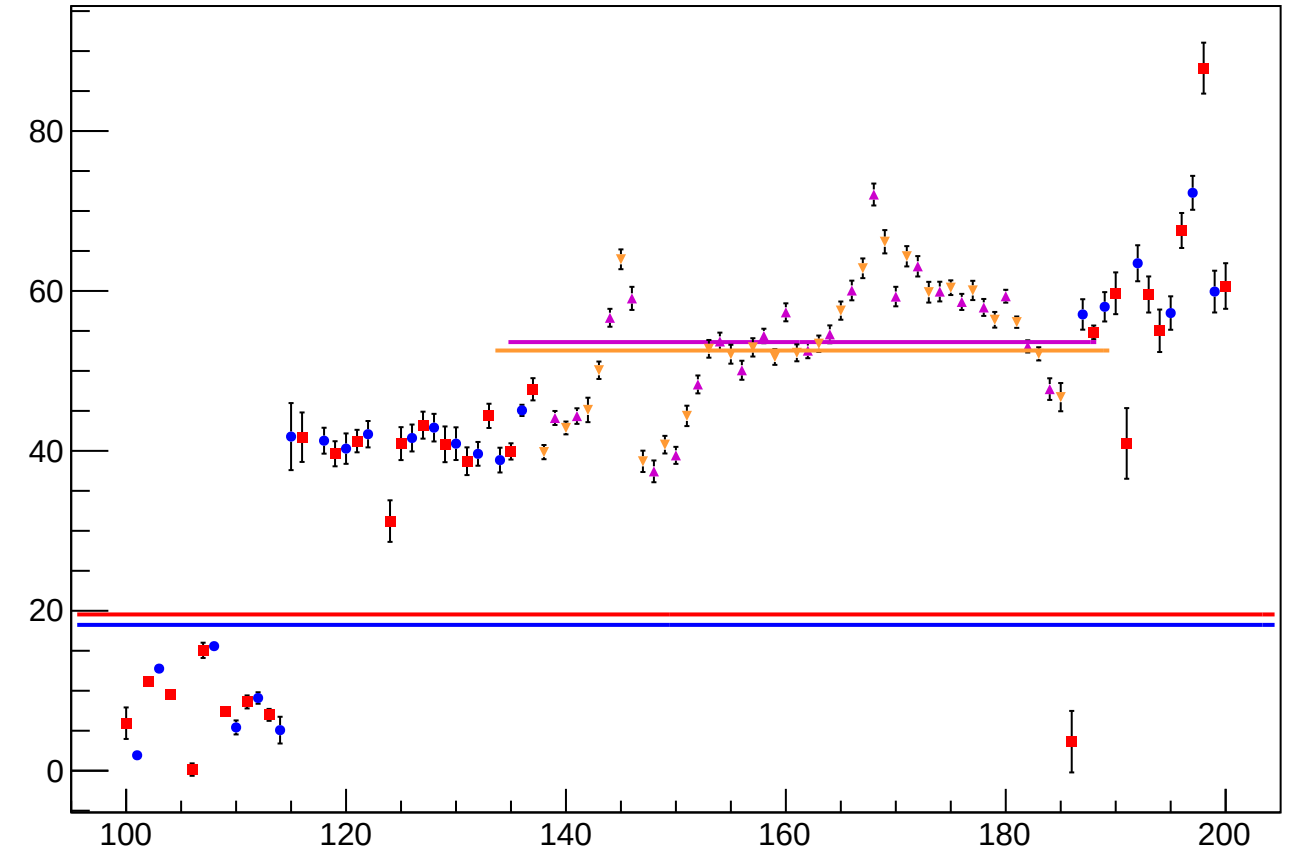
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 56.869+/-0.154 χ^2/NDF: 6523.9/49

In: 49.127+/-0.137 χ^2/NDF:6951.4/44

Out: 47.785+/-0.133 χ^2/NDF:6844.9/52

All: 48.433+/-0.095 χ^2/NDF: 13845.6/97



Right In: 18.238+/-0.208 χ^2/NDF: 7871.7/21

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

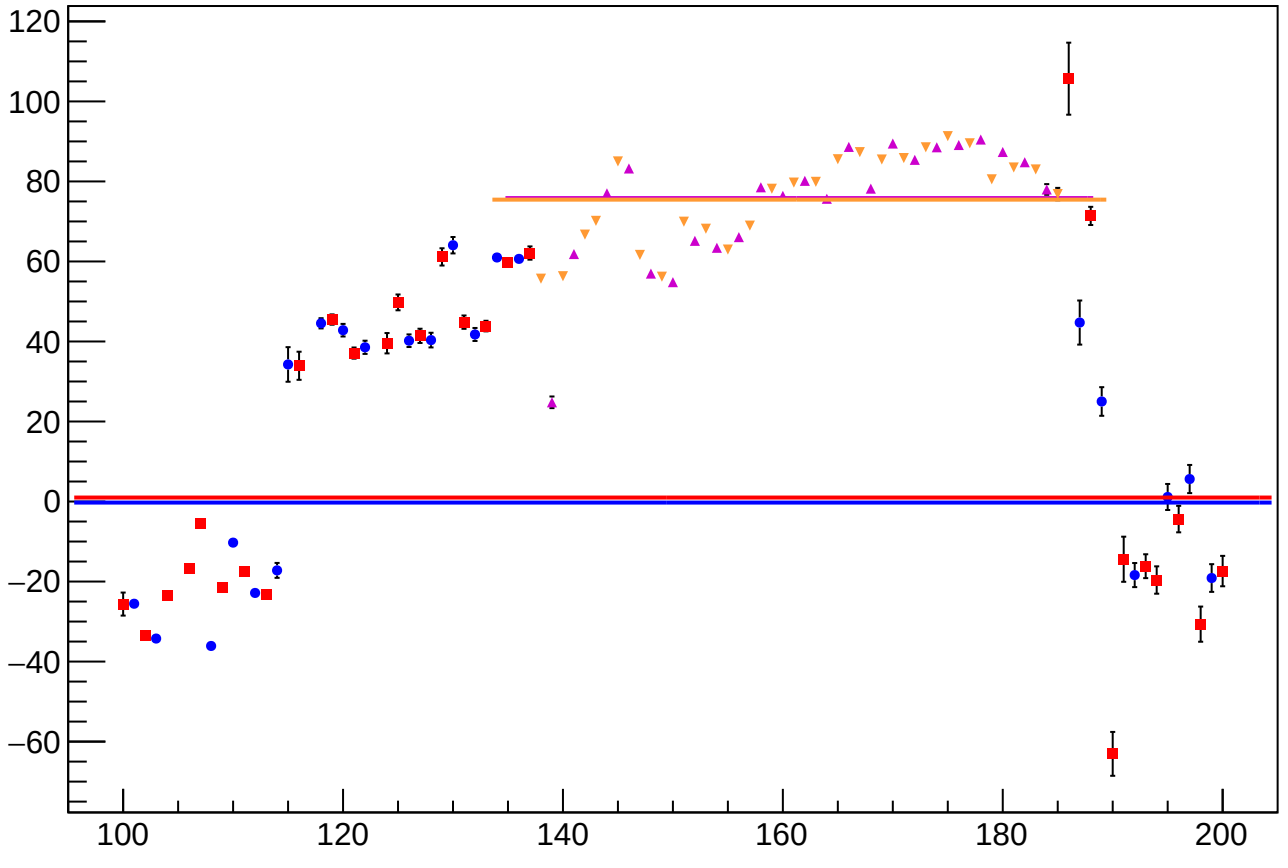
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 18.890+/-0.147 χ^2/NDF: 15767.3/49

In: 34.665+/-0.152 χ^2/NDF:22369.6/44

Out: 35.491+/-0.149 χ^2/NDF:21290.9/52

All: 35.086+/-0.106 χ^2/NDF: 43675.6/97



Right In: -0.263+/-0.257 χ^2/NDF: 21216.3/21

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

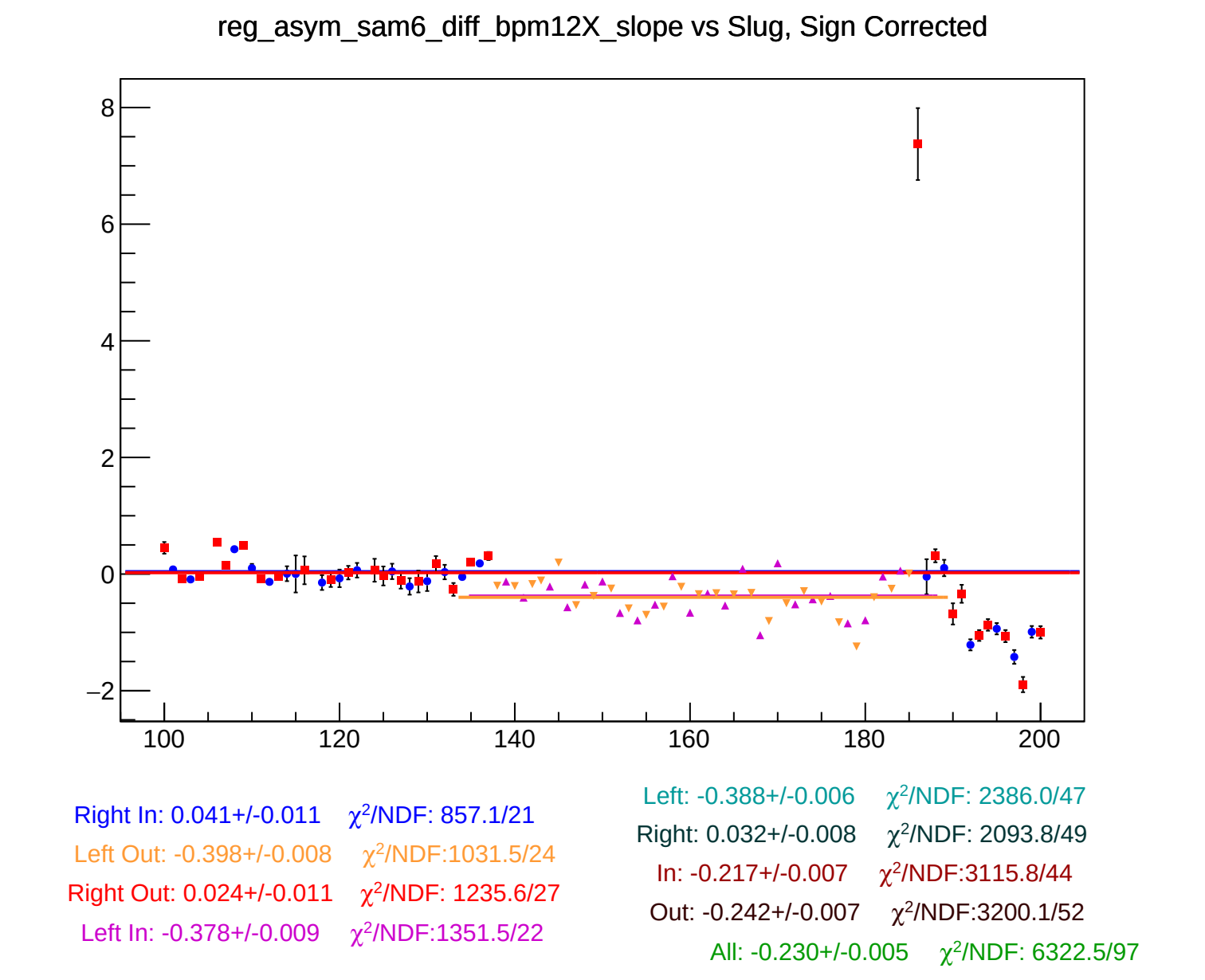
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

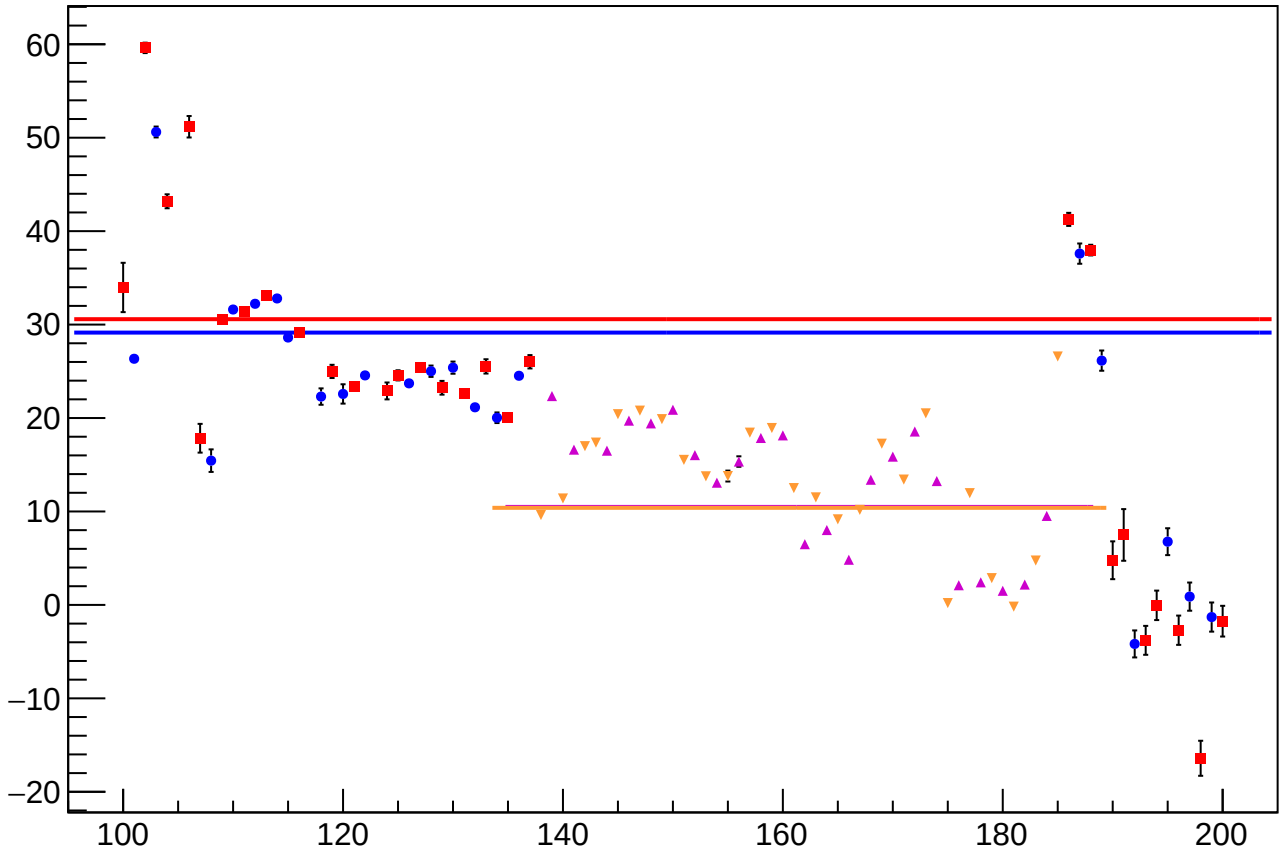
Right: 0.366+/-0.182 χ^2/NDF: 38645.4/49

In: 47.660+/-0.157 χ^2/NDF:80609.1/44

Out: 49.511+/-0.152 χ^2/NDF:75325.3/52

All: 48.612+/-0.109 χ^2/NDF: 156006.4/97


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.041+/-0.011 χ²/NDF: 857.1/21
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: 0.032+/-0.008 χ²/NDF: 2093.8/49
In: -0.217+/-0.007 χ²/NDF:3115.8/44
Out: -0.242+/-0.007 χ²/NDF:3200.1/52
All: -0.230+/-0.005 χ²/NDF: 6322.5/97



Right In: 29.143+/-0.091 χ^2/NDF: 4965.3/21

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

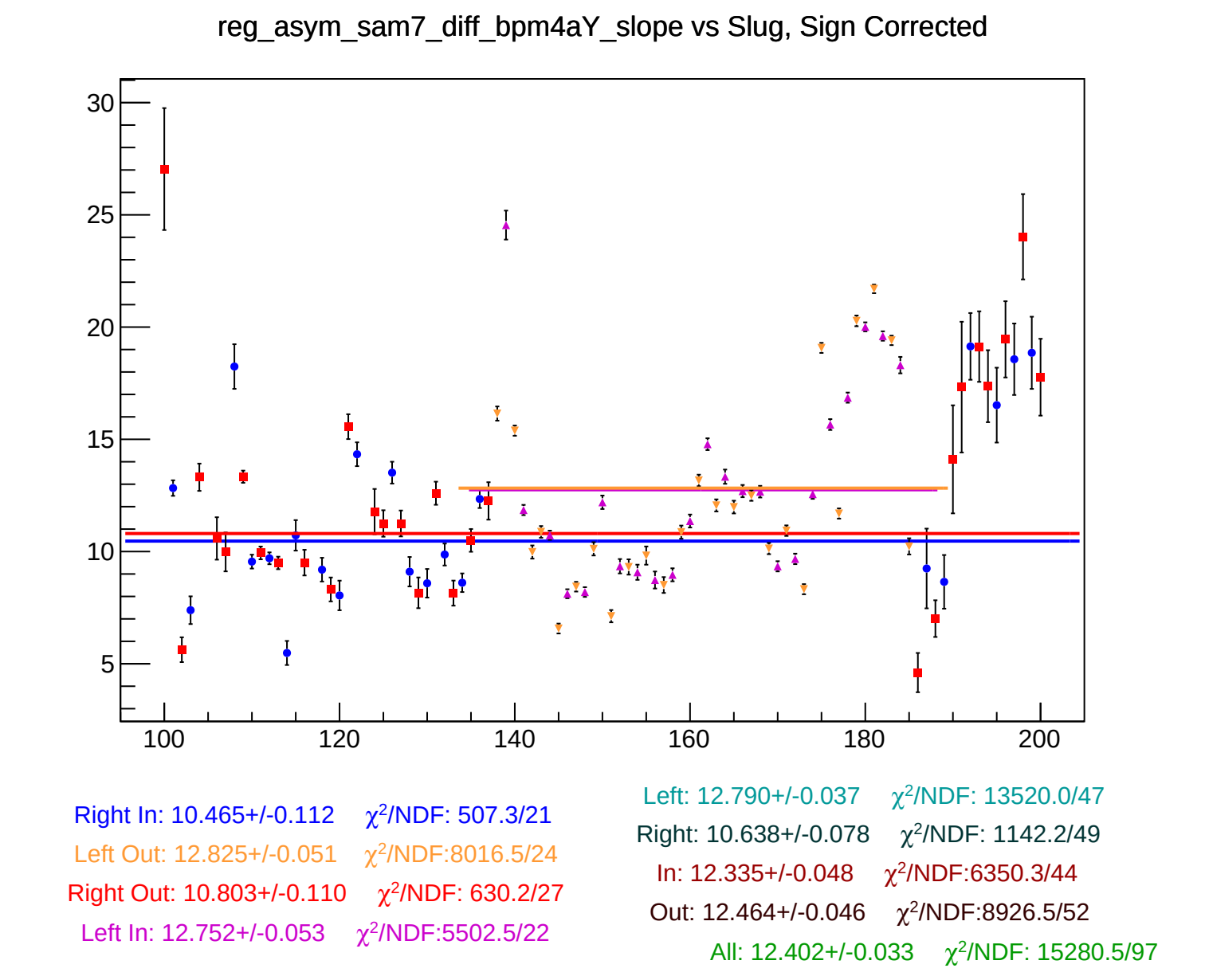
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

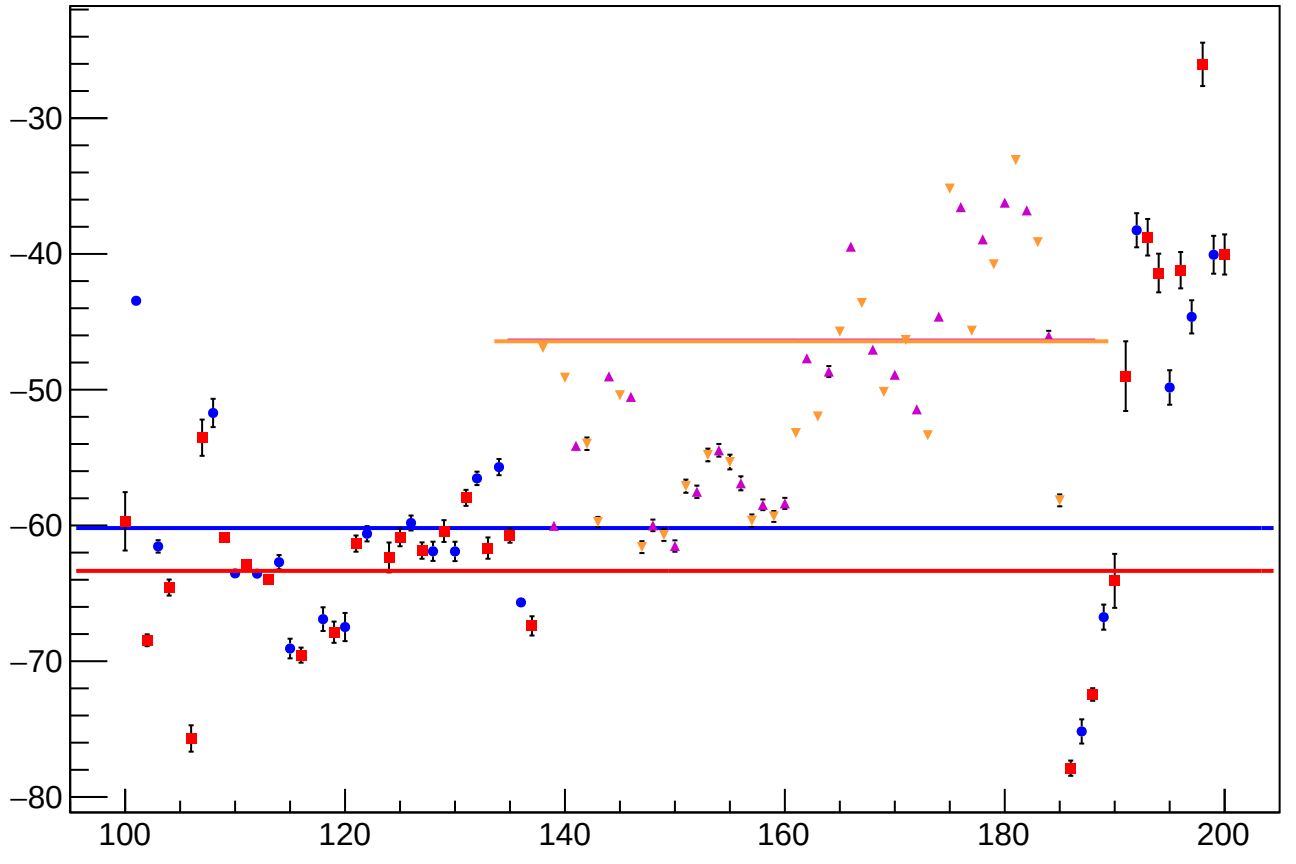
Right: 29.965+/-0.059 χ^2/NDF: 13163.6/49

In: 17.054+/-0.054 χ^2/NDF:43928.4/44

Out: 18.492+/-0.050 χ^2/NDF:61626.5/52

All: 17.831+/-0.036 χ^2/NDF: 105941.2/97


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 10.465+/-0.112 χ2/NDF: 507.3/21
Left Out: 12.825+/-0.051 χ2/NDF:8016.5/24
Right Out: 10.803+/-0.110 χ2/NDF: 630.2/27
Left In: 12.752+/-0.053 χ2/NDF:5502.5/22
Left: 12.790+/-0.037 χ2/NDF: 13520.0/47
Right: 10.638+/-0.078 χ2/NDF: 1142.2/49
In: 12.335+/-0.048 χ2/NDF:6350.3/44
Out: 12.464+/-0.046 χ2/NDF:8926.5/52
All: 12.402+/-0.033 χ2/NDF: 15280.5/97



Right In: -60.192+/-0.110 χ^2/NDF: 4674.4/21

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

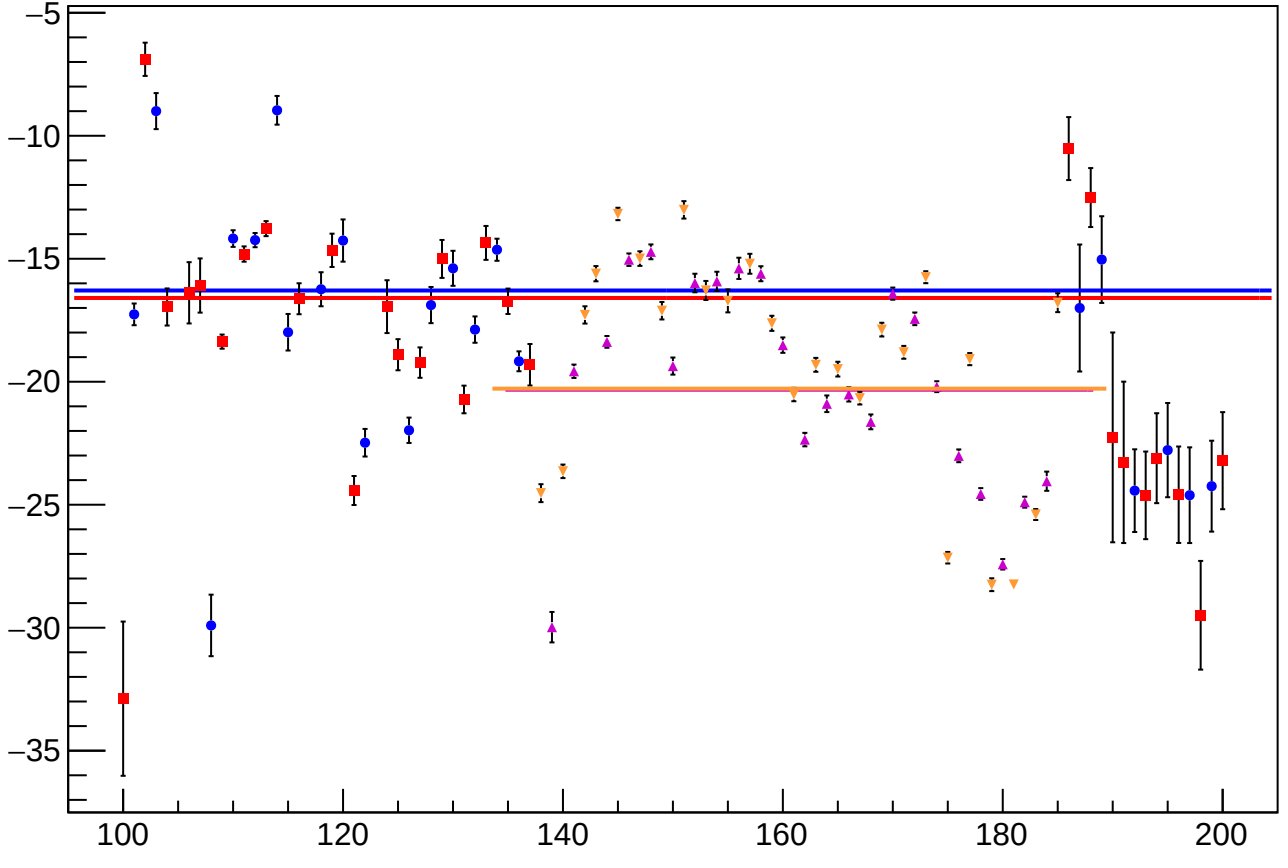
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.895+/-0.074 χ^2/NDF: 8699.3/49

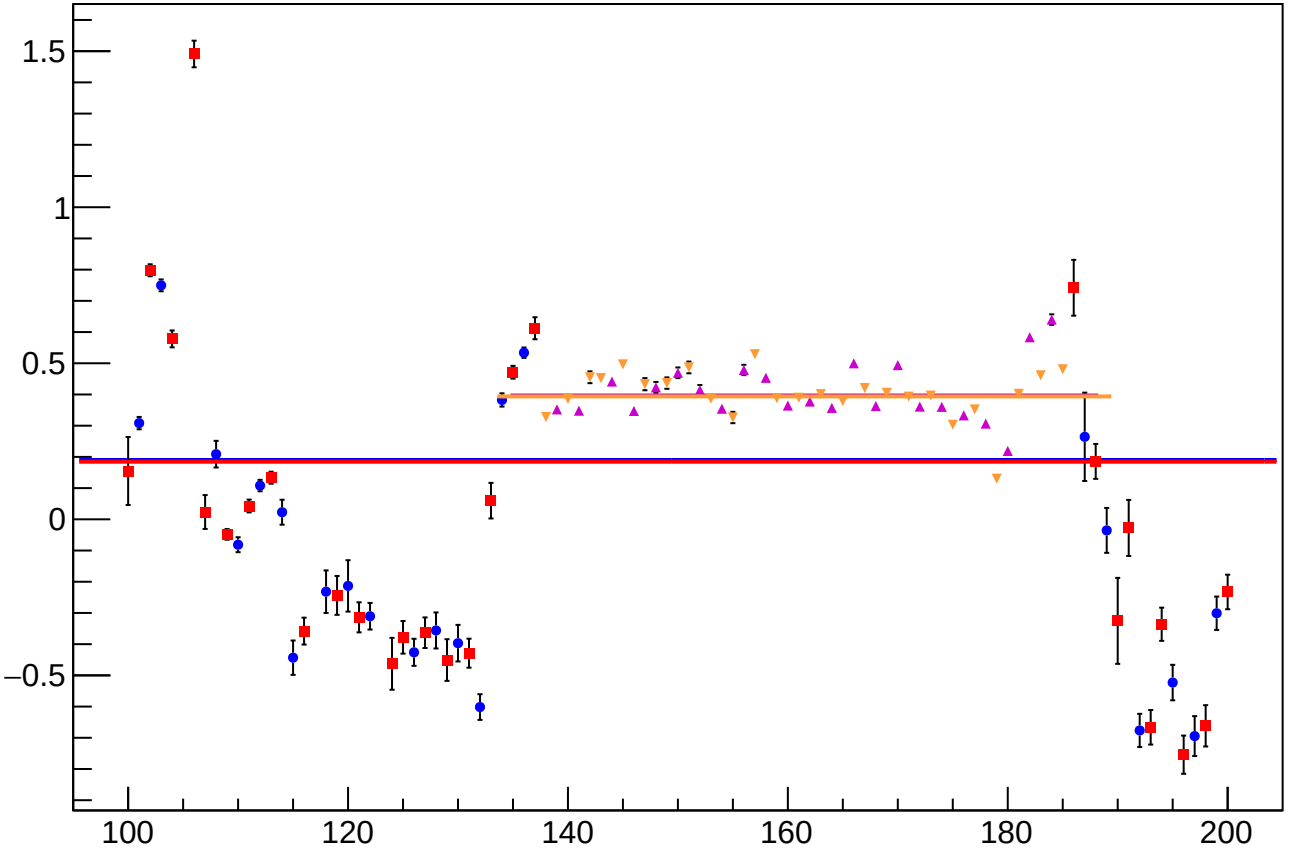
In: -50.121+/-0.057 χ^2/NDF:31321.9/44

Out: -51.312+/-0.054 χ^2/NDF:41618.5/52

All: -50.745+/-0.039 χ^2/NDF: 73169.0/97


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: -16.291+/-0.125 χ²/NDF: 870.7/21
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: -16.447+/-0.087 χ²/NDF: 1693.8/49
In: -19.593+/-0.053 χ²/NDF:5989.0/44
Out: -19.619+/-0.052 χ²/NDF:8588.8/52
All: -19.606+/-0.037 χ²/NDF: 14577.9/97

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.190+/-0.007 χ^2/NDF: 3386.6/21

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

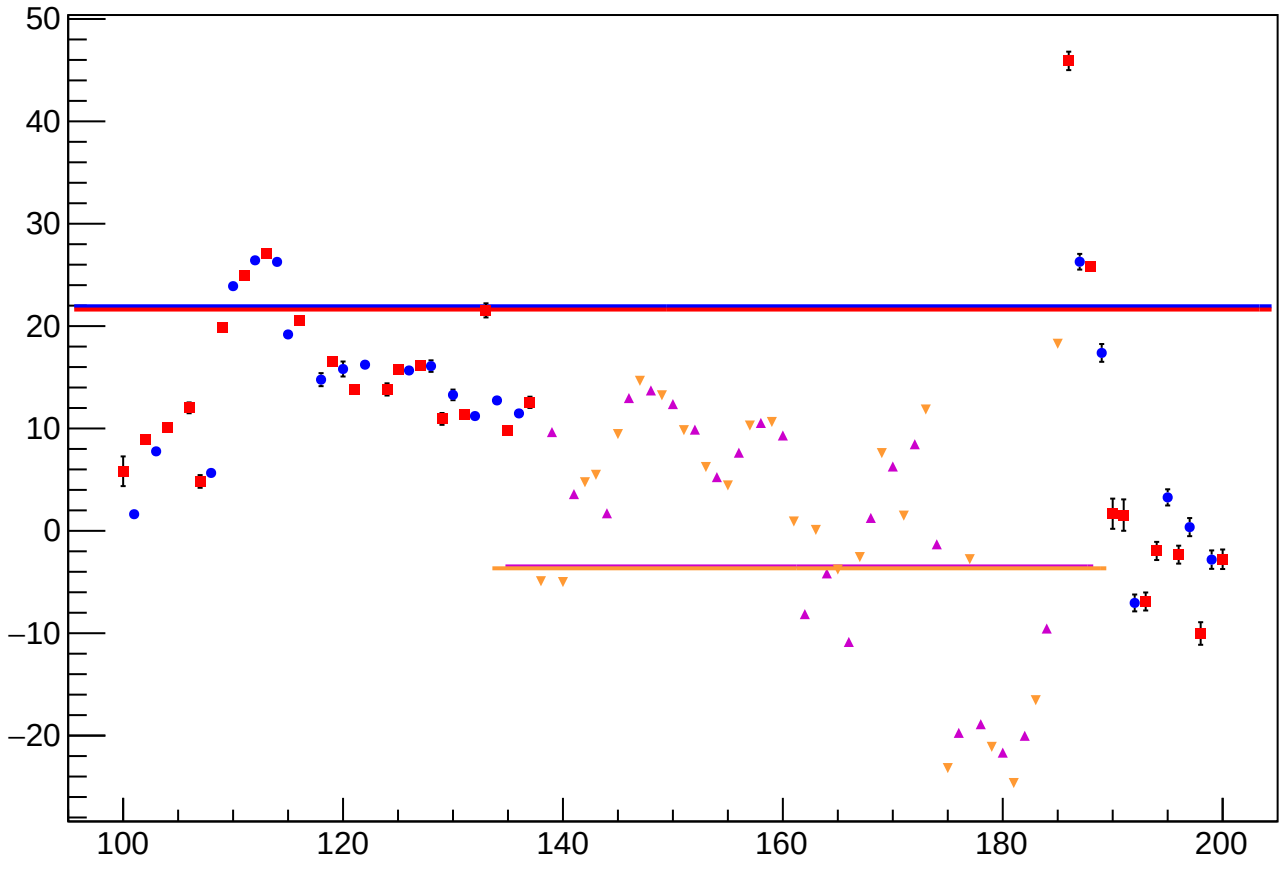
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.187+/-0.005 χ^2/NDF: 7880.6/49

In: 0.370+/-0.002 χ^2/NDF:5482.2/44

Out: 0.367+/-0.002 χ^2/NDF:6282.0/52

All: 0.369+/-0.002 χ^2/NDF: 11764.7/97



Right In: 21.937+/-0.056 χ^2/NDF: 15595.8/21

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

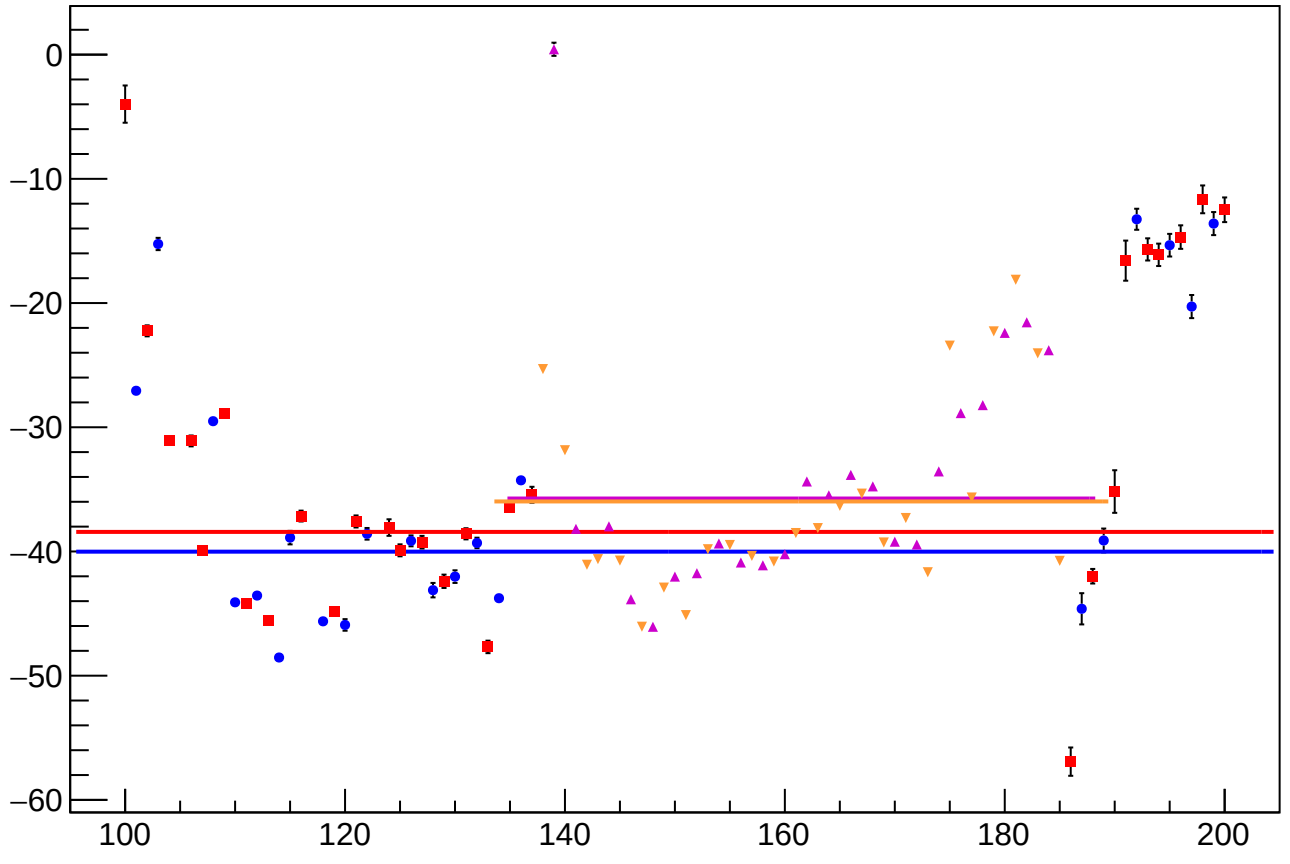
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

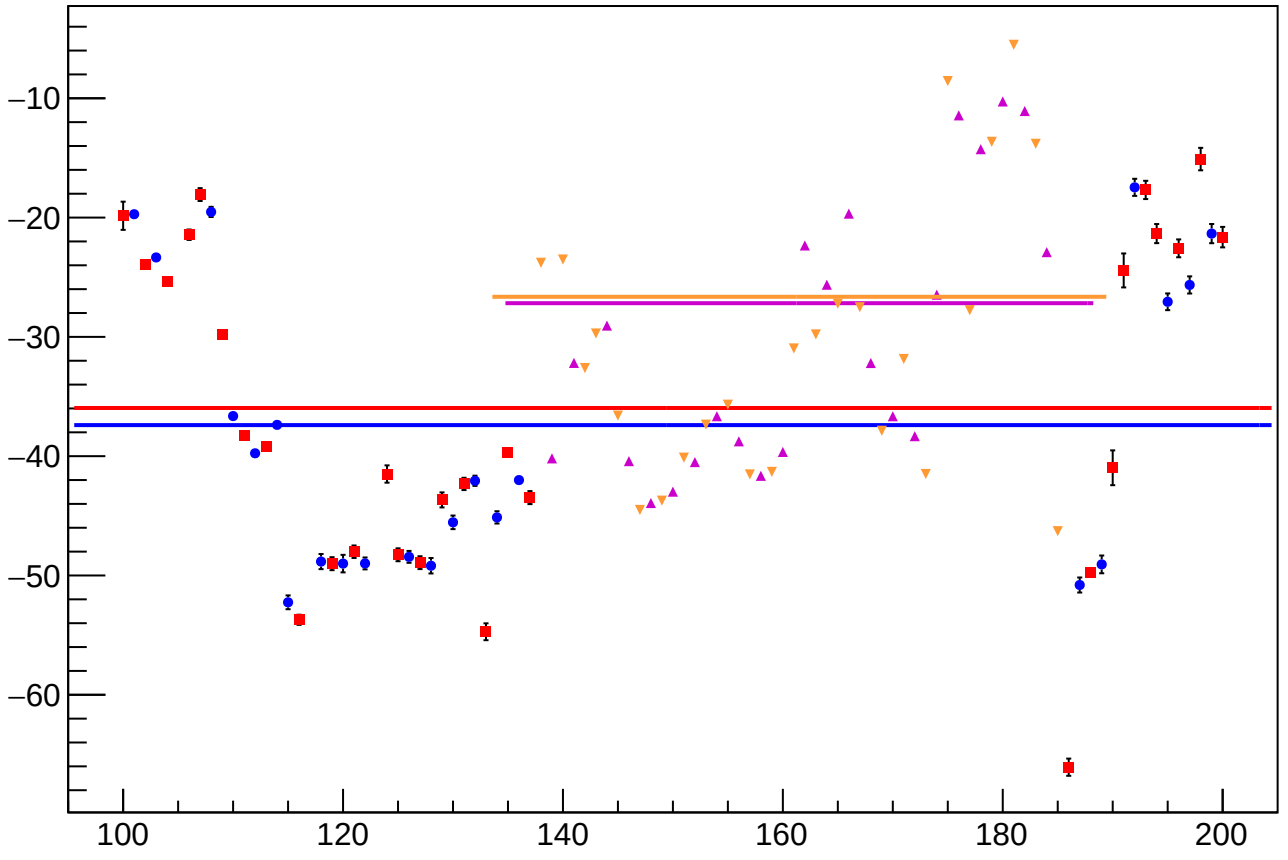
Right: 21.744+/-0.035 χ^2/NDF: 31506.0/49

In: 9.595+/-0.040 χ^2/NDF:161455.5/44

Out: 11.212+/-0.035 χ^2/NDF:199013.7/52

All: 10.511+/-0.026 χ^2/NDF: 361394.4/97


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -40.016+/-0.075 χ²/NDF: 10867.3/21
Left Out: -35.973+/-0.042 χ²/NDF:33609.3/24
Right Out: -38.425+/-0.069 χ²/NDF: 13797.2/27
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.862+/-0.031 χ²/NDF: 60778.7/47
Right: -39.157+/-0.051 χ²/NDF: 24906.8/49
In: -36.866+/-0.039 χ²/NDF:40414.3/44
Out: -36.641+/-0.036 χ²/NDF:48316.3/52
All: -36.746+/-0.026 χ²/NDF: 88748.8/97



Right In: -37.395+/-0.071 χ^2/NDF: 13223.5/21

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

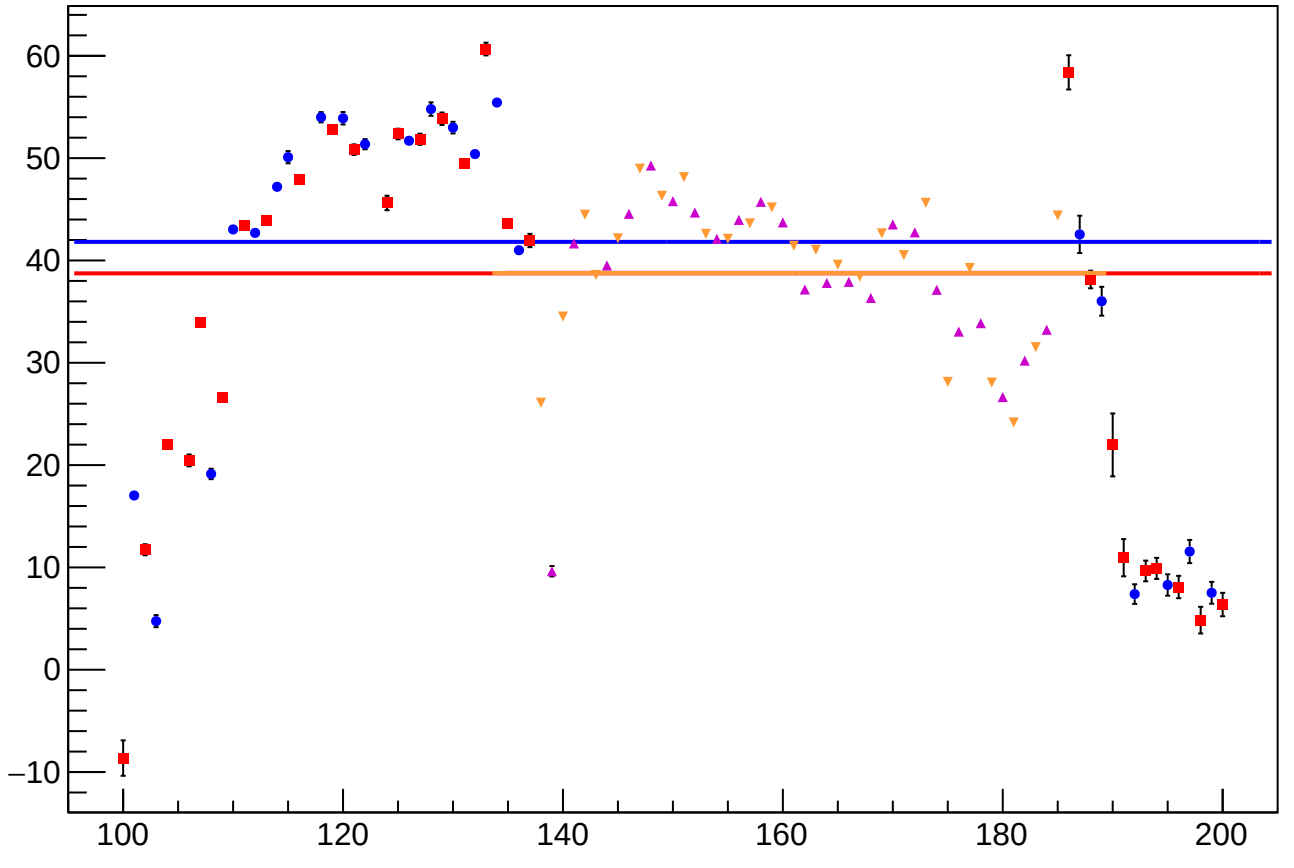
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.574+/-0.047 χ^2/NDF: 32295.3/49

In: -31.167+/-0.045 χ^2/NDF:66667.0/44

Out: -30.718+/-0.041 χ^2/NDF:81653.7/52

All: -30.923+/-0.030 χ^2/NDF: 148375.4/97



Right In: 41.816+/-0.084 χ^2/NDF: 18962.1/21

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

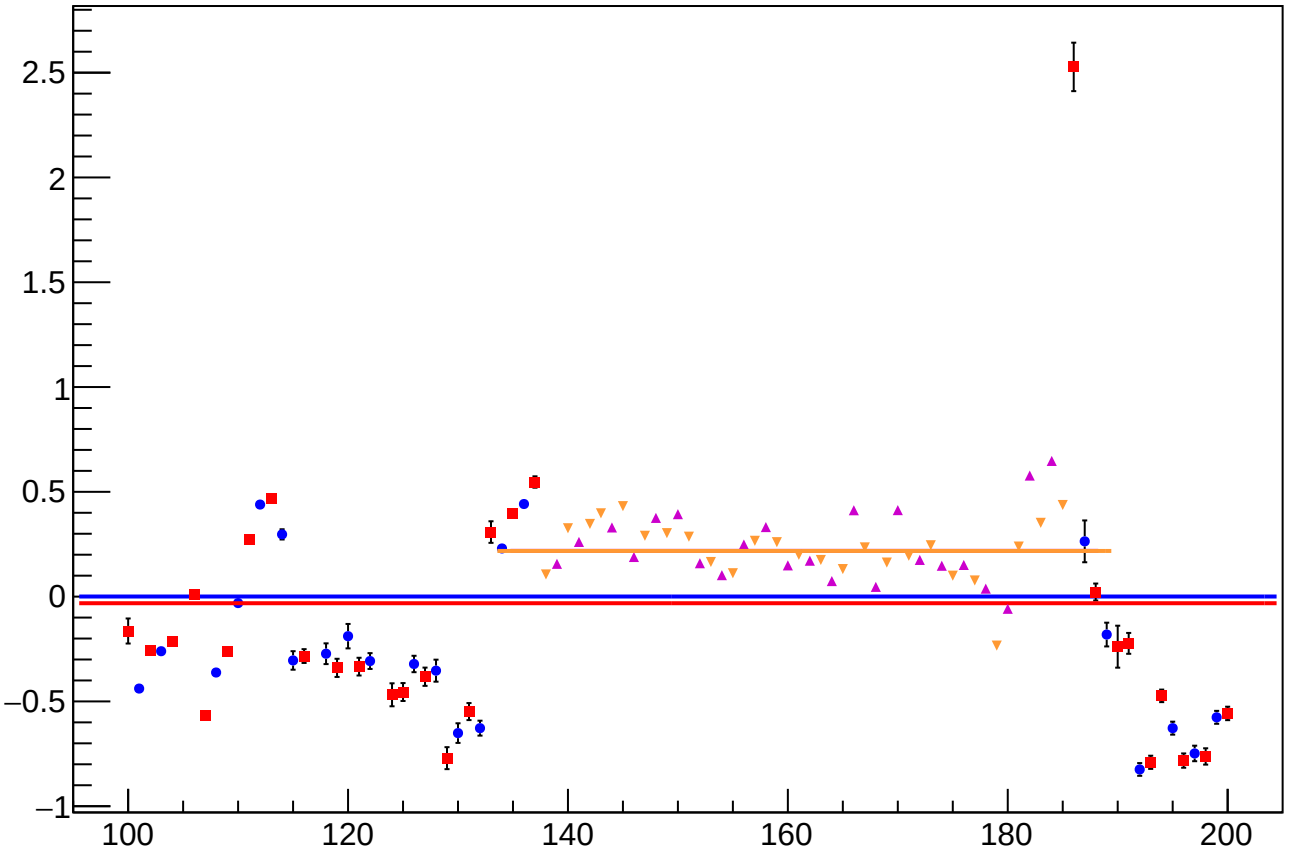
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

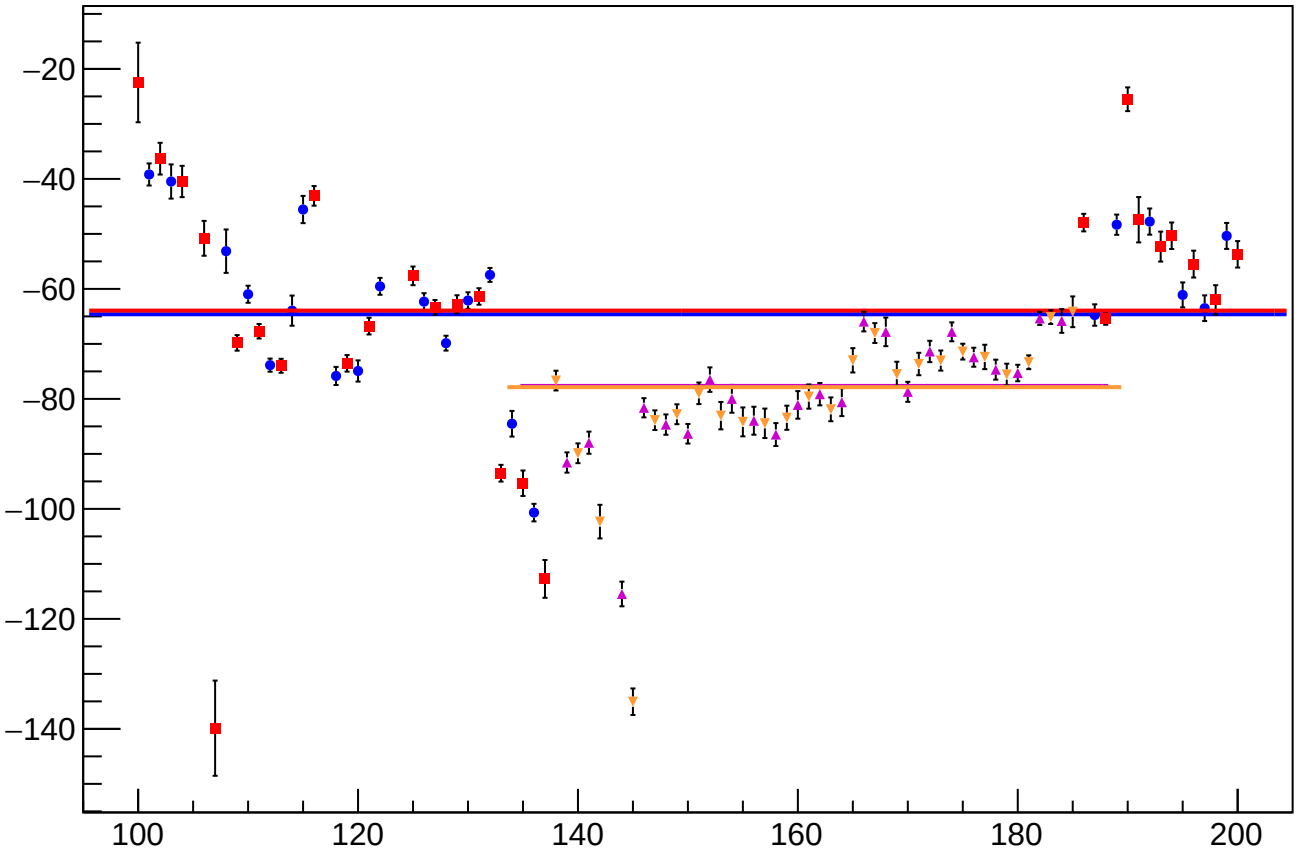
Right: 40.144+/-0.057 χ^2/NDF: 42055.7/49

In: 39.591+/-0.043 χ^2/NDF:36163.5/44

Out: 38.767+/-0.041 χ^2/NDF:43429.8/52

All: 39.154+/-0.030 χ^2/NDF: 79787.8/97


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: 0.001+/-0.005 χ²/NDF: 7599.9/21
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: -0.017+/-0.003 χ²/NDF: 16596.1/49
In: 0.177+/-0.002 χ²/NDF:14718.6/44
Out: 0.165+/-0.002 χ²/NDF:15881.5/52
All: 0.171+/-0.001 χ²/NDF: 30617.9/97



Right In: -64.615+/-0.383 χ^2/NDF: 1242.8/21

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

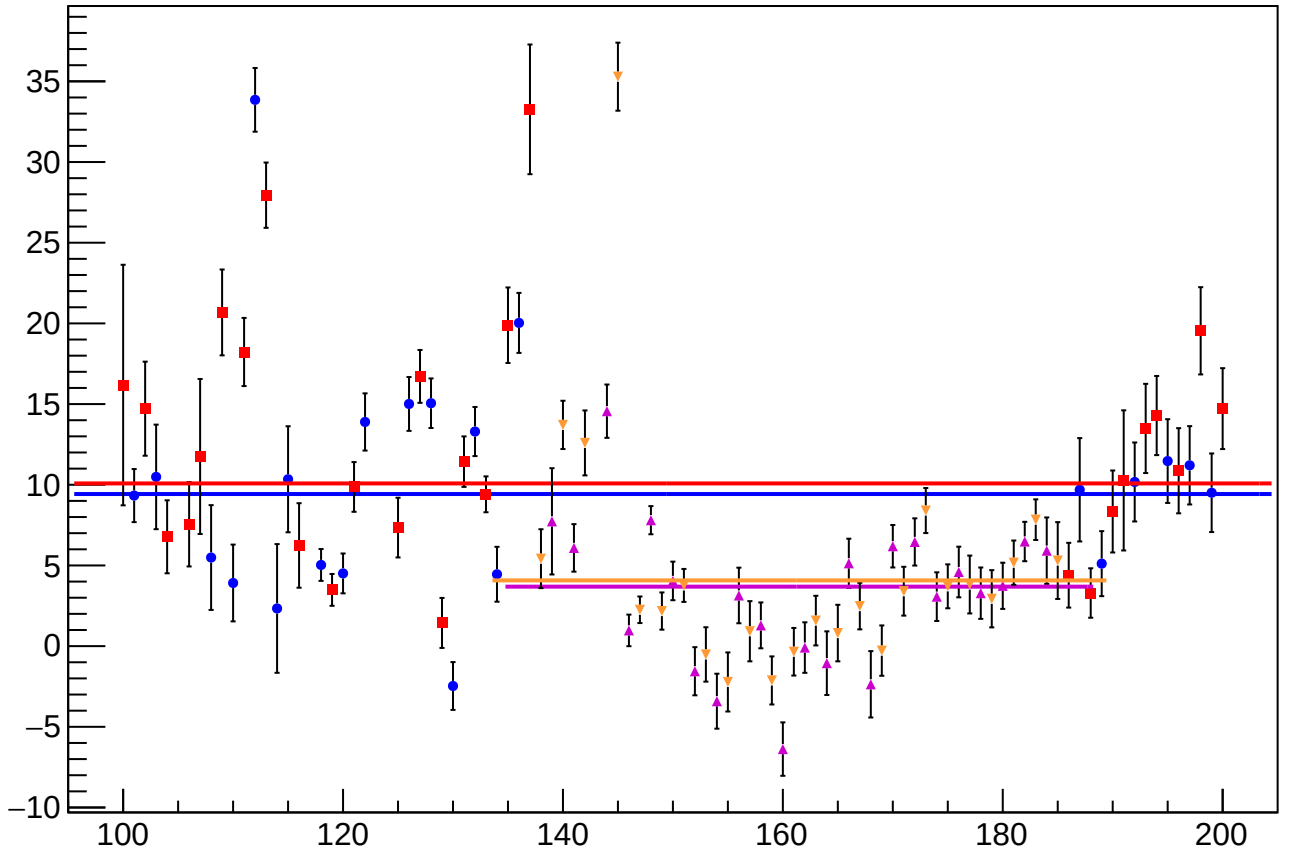
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -64.254+/-0.260 χ^2/NDF: 3099.0/48

In: -70.913+/-0.276 χ^2/NDF:2493.9/44

Out: -70.163+/-0.263 χ^2/NDF:3477.5/50

All: -70.521+/-0.190 χ^2/NDF: 5975.3/95



Right In: 9.426+/-0.394 χ^2/NDF: 347.8/21

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.082+/-0.381 χ^2/NDF: 312.1/26

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

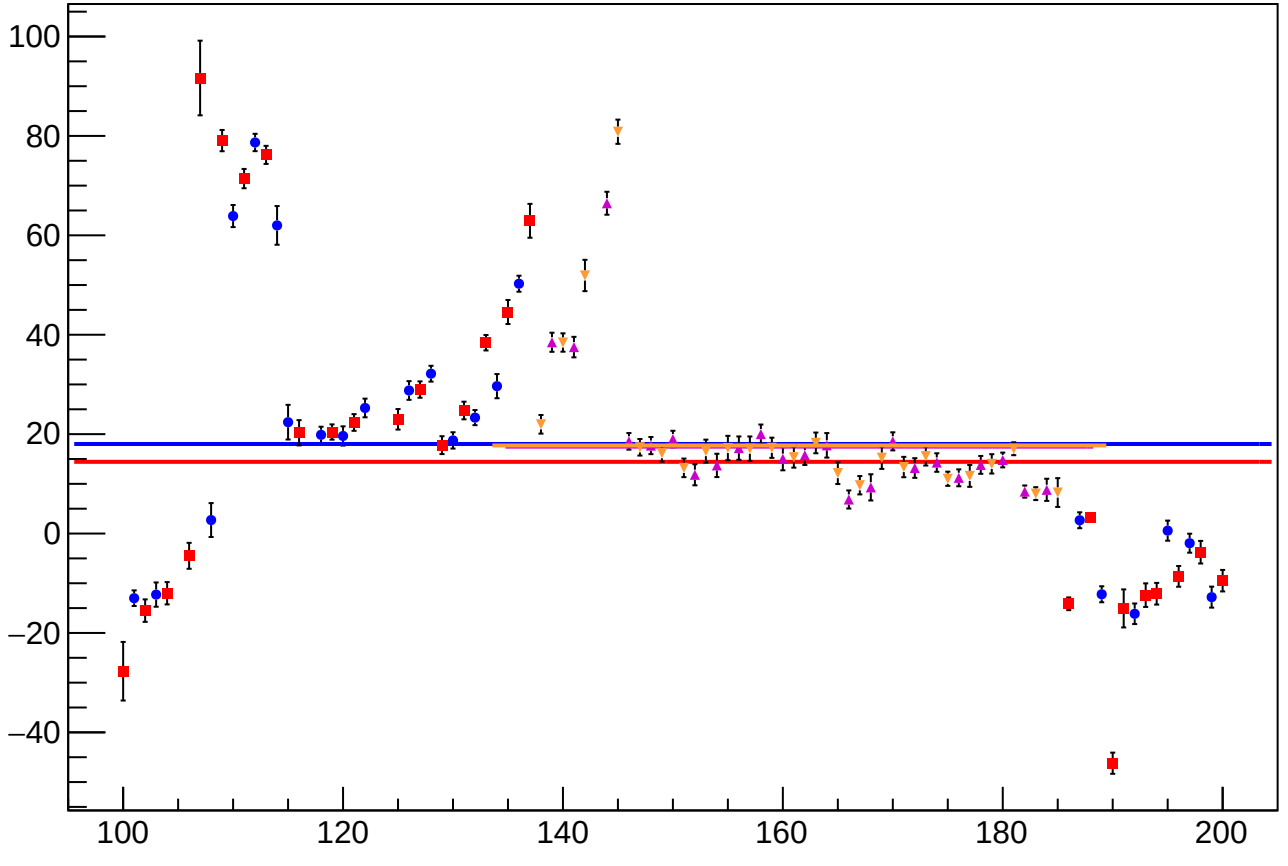
Right: 9.765+/-0.274 χ^2/NDF: 661.3/48

In: 5.810+/-0.239 χ^2/NDF:664.4/44

Out: 6.342+/-0.234 χ^2/NDF:837.5/50

All: 6.082+/-0.167 χ^2/NDF: 1504.4/95

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.019+/-0.407 χ^2/NDF: 4003.9/21

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

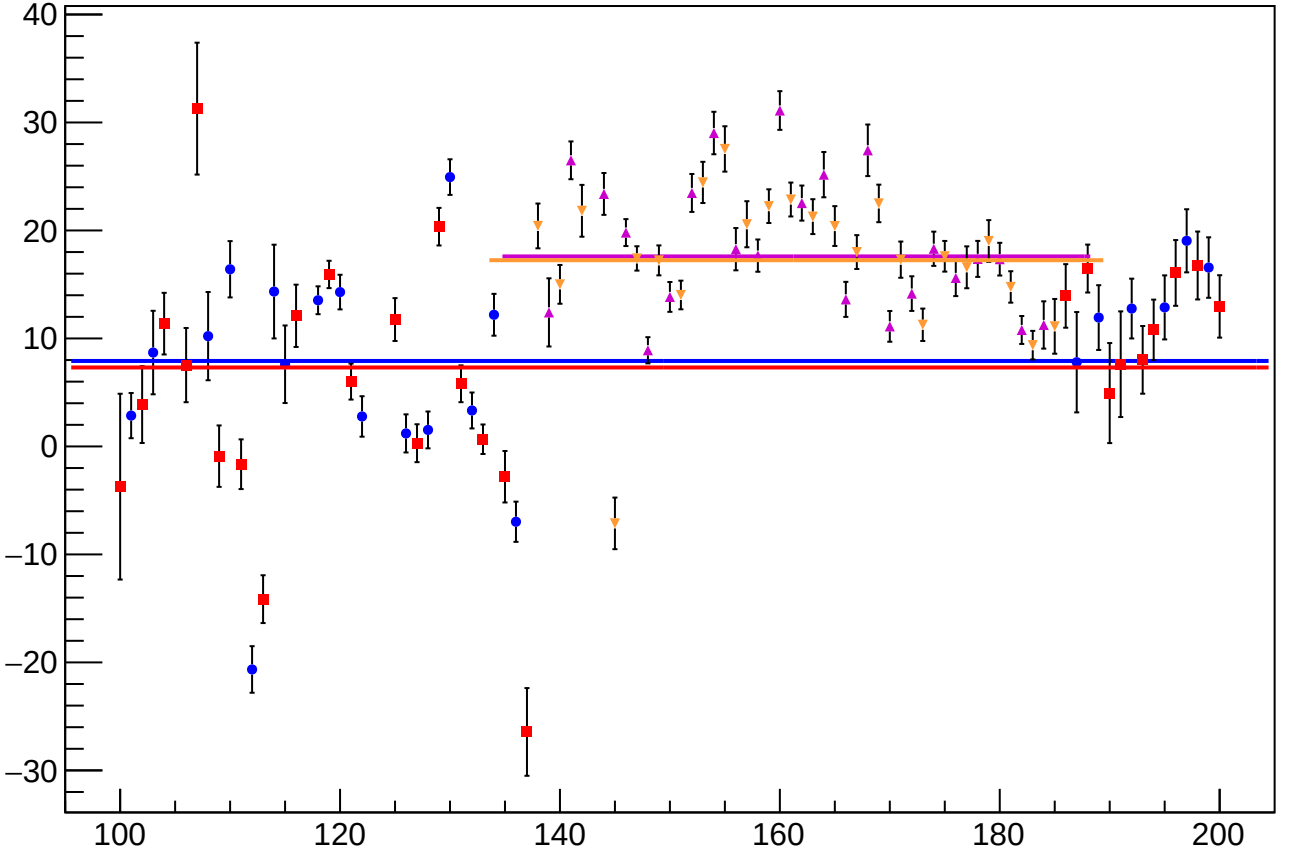
Right: 16.042+/-0.273 χ^2/NDF: 10380.9/48

In: 17.746+/-0.282 χ^2/NDF:4825.5/44

Out: 15.973+/-0.268 χ^2/NDF:7430.1/50

All: 16.812+/-0.194 χ^2/NDF: 12276.3/95

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.915+/-0.460 χ^2/NDF: 480.1/21

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

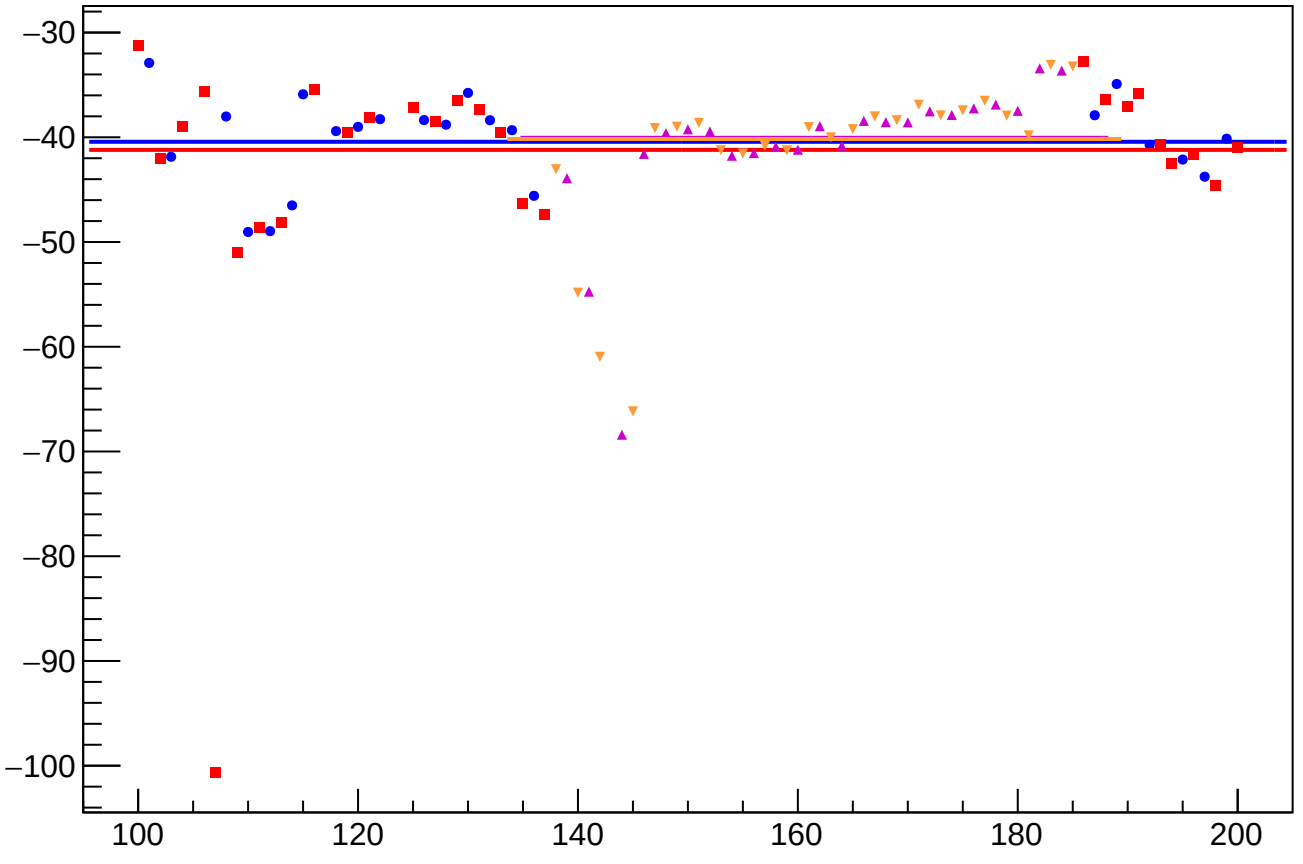
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.607+/-0.322 χ^2/NDF: 901.7/48

In: 14.151+/-0.275 χ^2/NDF:1074.6/44

Out: 13.661+/-0.270 χ^2/NDF:993.0/50

All: 13.902+/-0.193 χ^2/NDF: 2069.2/95



Right In: -40.431+/-0.025 χ^2/NDF: 24703.6/21

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

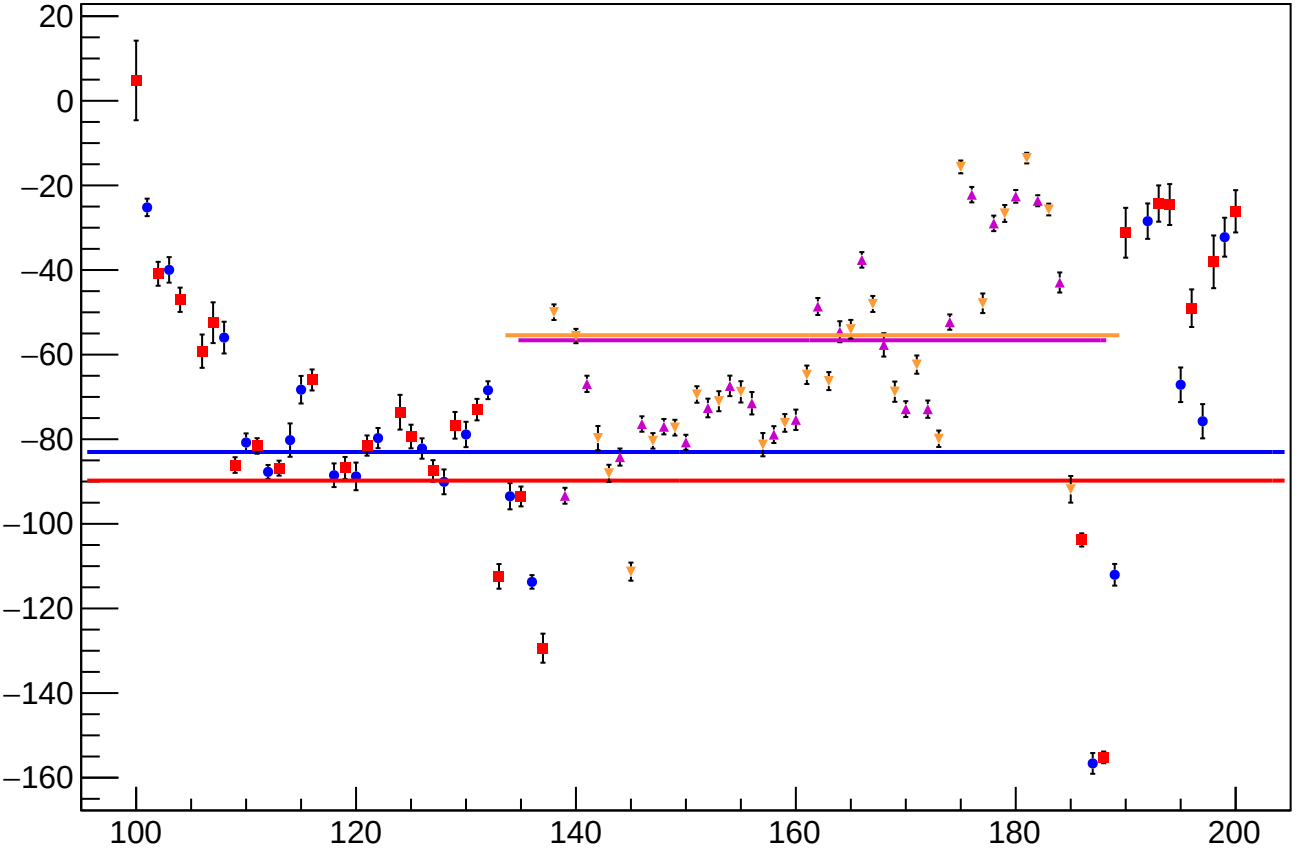
Right: -40.840+/-0.017 χ^2/NDF: 92525.7/48

In: -40.156+/-0.013 χ^2/NDF:161312.7/44

Out: -40.480+/-0.013 χ^2/NDF:232019.4/50

All: -40.320+/-0.009 χ^2/NDF: 393644.7/95

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -83.019+/-0.557 χ^2/NDF: 2850.3/21

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

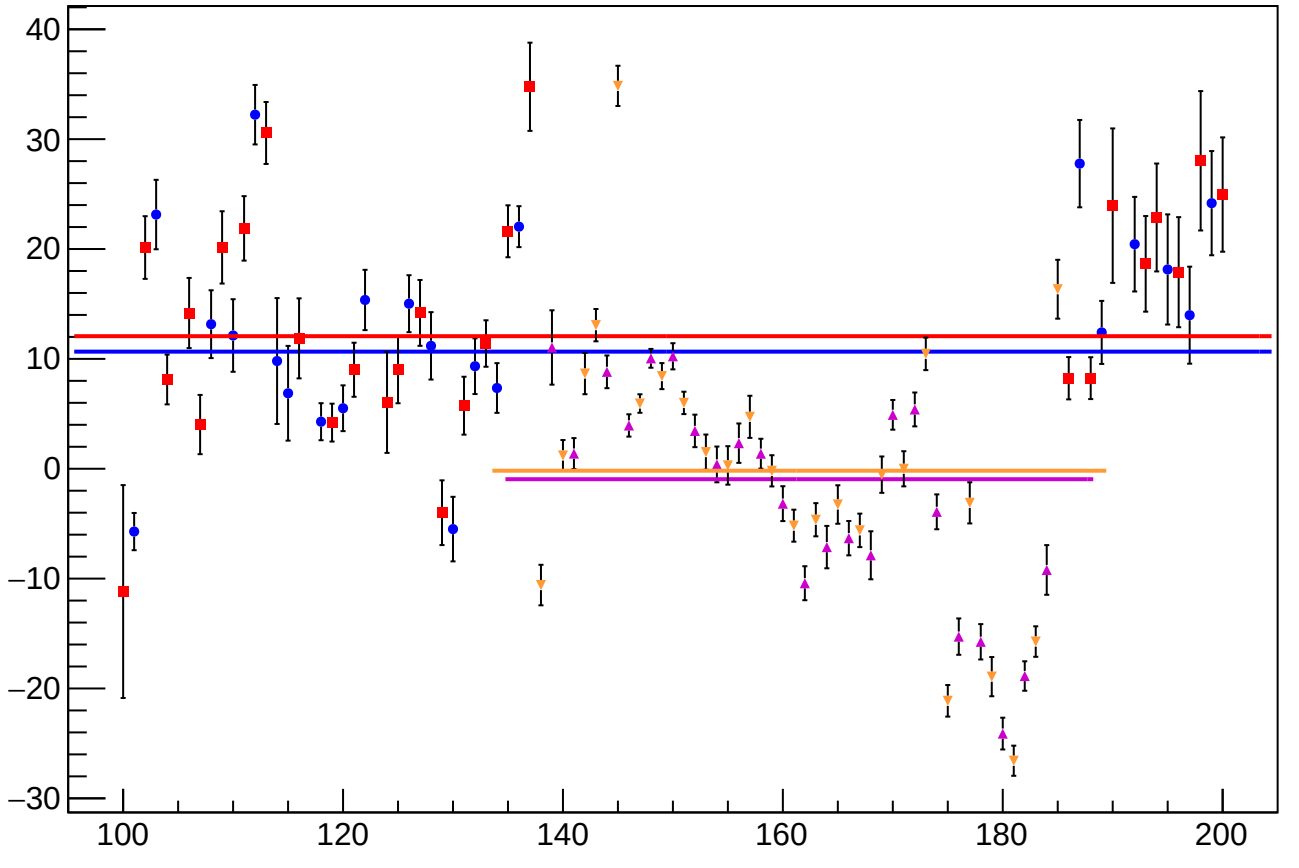
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -86.728+/-0.374 χ^2/NDF: 7242.0/48

In: -65.703+/-0.327 χ^2/NDF:7673.8/44

Out: -68.385+/-0.310 χ^2/NDF:11714.9/51

All: -67.113+/-0.225 χ^2/NDF: 19424.1/96



Right In: 10.659+/-0.581 χ^2/NDF: 305.3/21

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

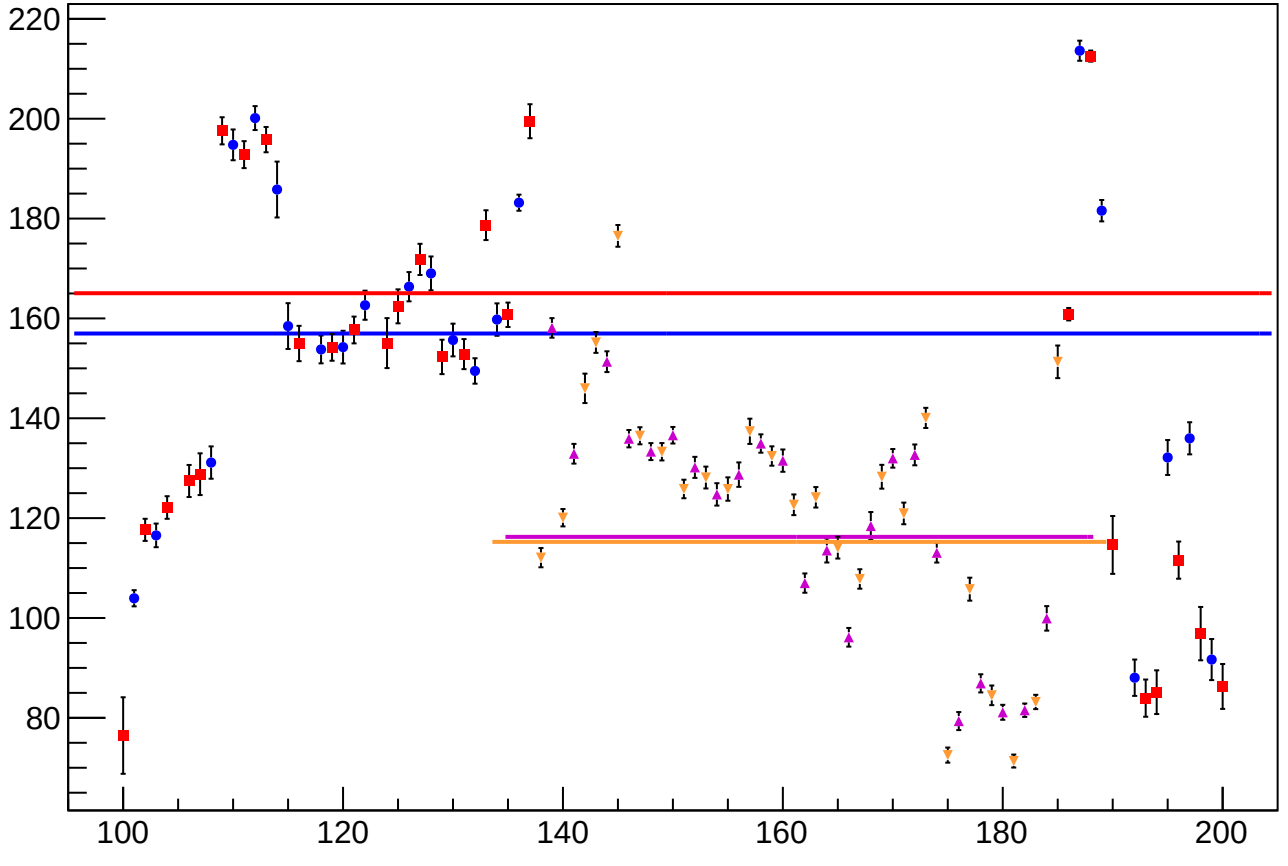
Right: 11.392+/-0.402 χ^2/NDF: 535.9/48

In: 1.546+/-0.269 χ^2/NDF:1688.6/44

Out: 2.494+/-0.260 χ^2/NDF:2204.5/51

All: 2.037+/-0.187 χ^2/NDF: 3899.5/96

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 156.977+/-0.572 χ^2/NDF: 3857.1/21

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

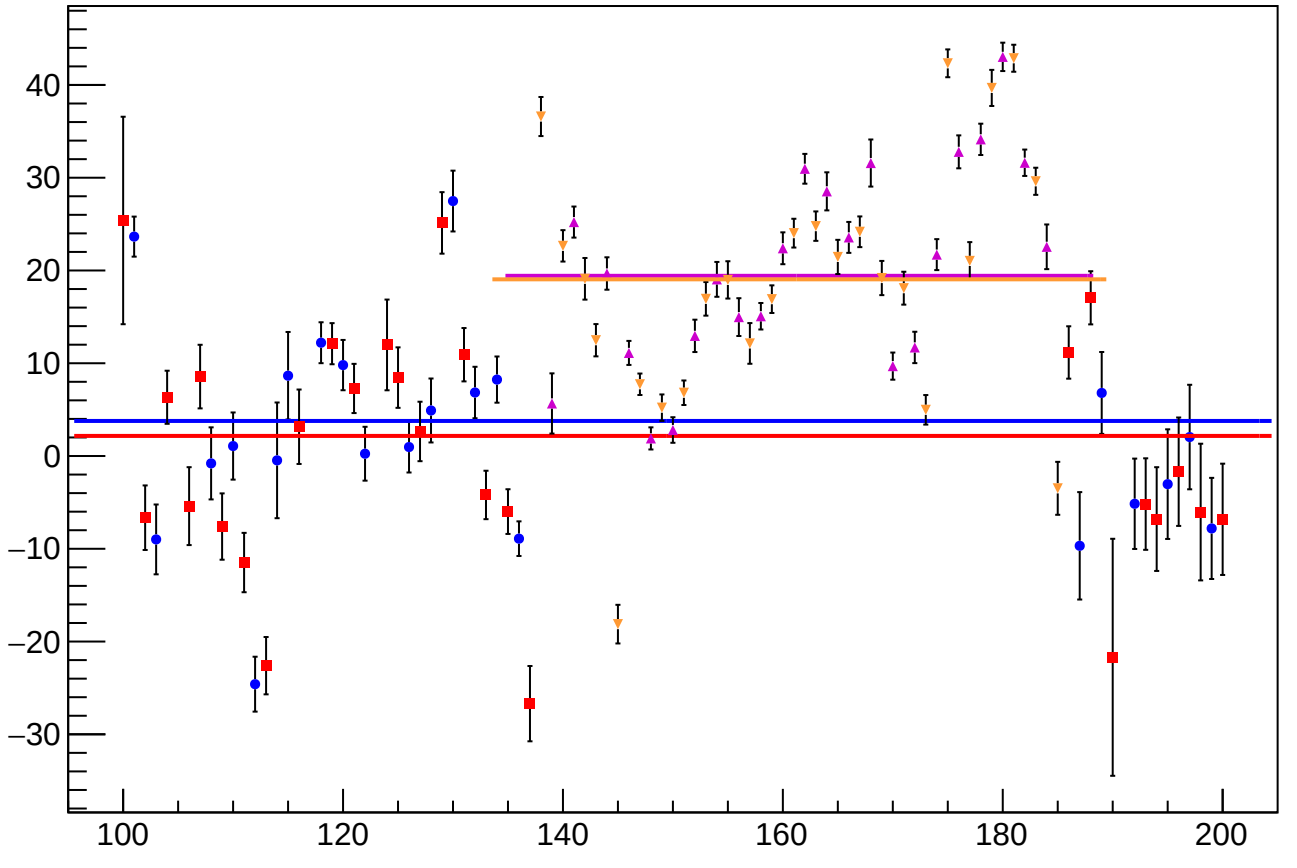
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 161.504+/-0.379 χ^2/NDF: 9127.2/48

In: 129.600+/-0.327 χ^2/NDF:10908.2/44

Out: 133.840+/-0.309 χ^2/NDF:16073.3/51

All: 131.841+/-0.225 χ^2/NDF: 27070.2/96



Right In: 3.780+/-0.677 χ^2/NDF: 332.1/21

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

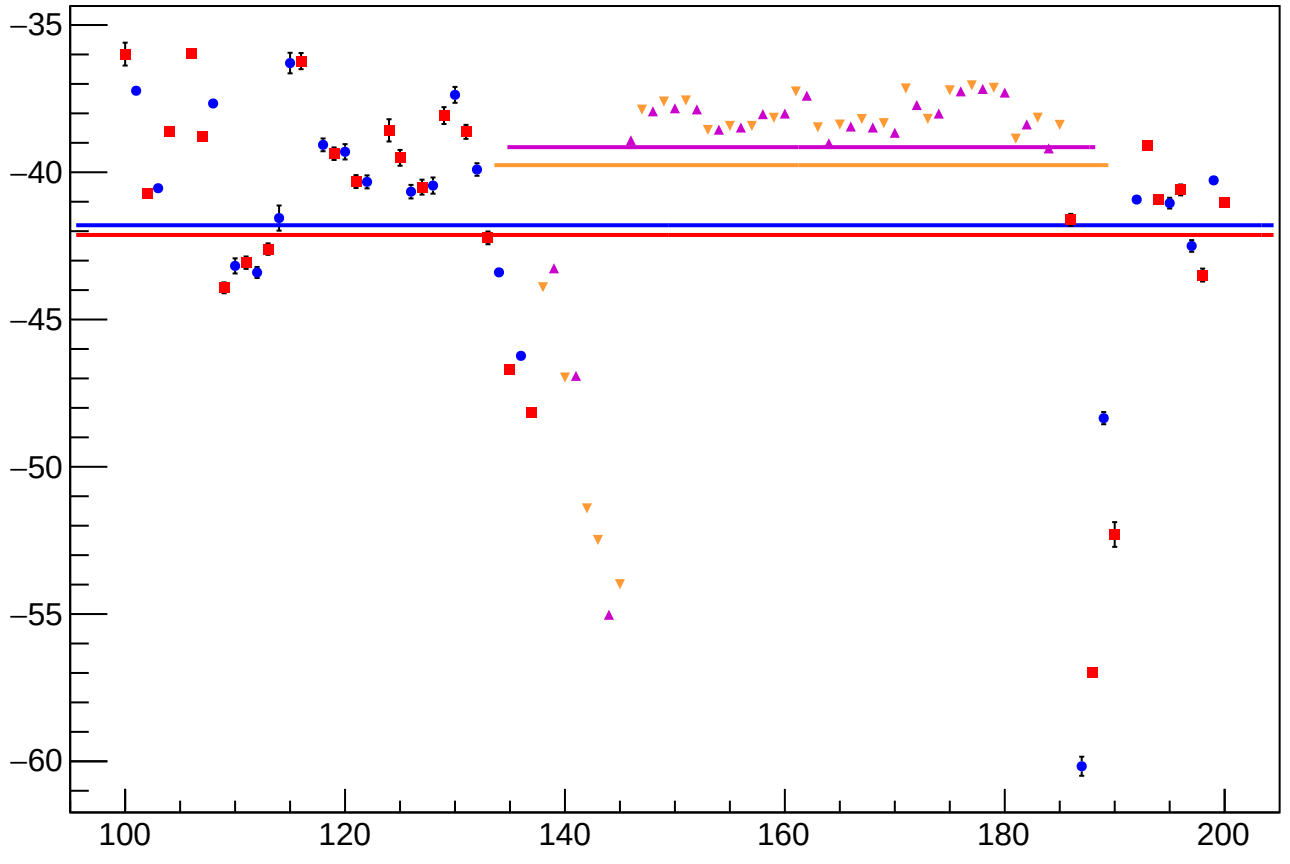
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 2.957+/-0.474 χ^2/NDF: 650.7/48

In: 16.193+/-0.308 χ^2/NDF:1832.4/44

Out: 15.600+/-0.300 χ^2/NDF:2376.3/51

All: 15.889+/-0.215 χ^2/NDF: 4210.6/96



Right In: -41.798+/-0.034 χ^2/NDF: 12352.5/21

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

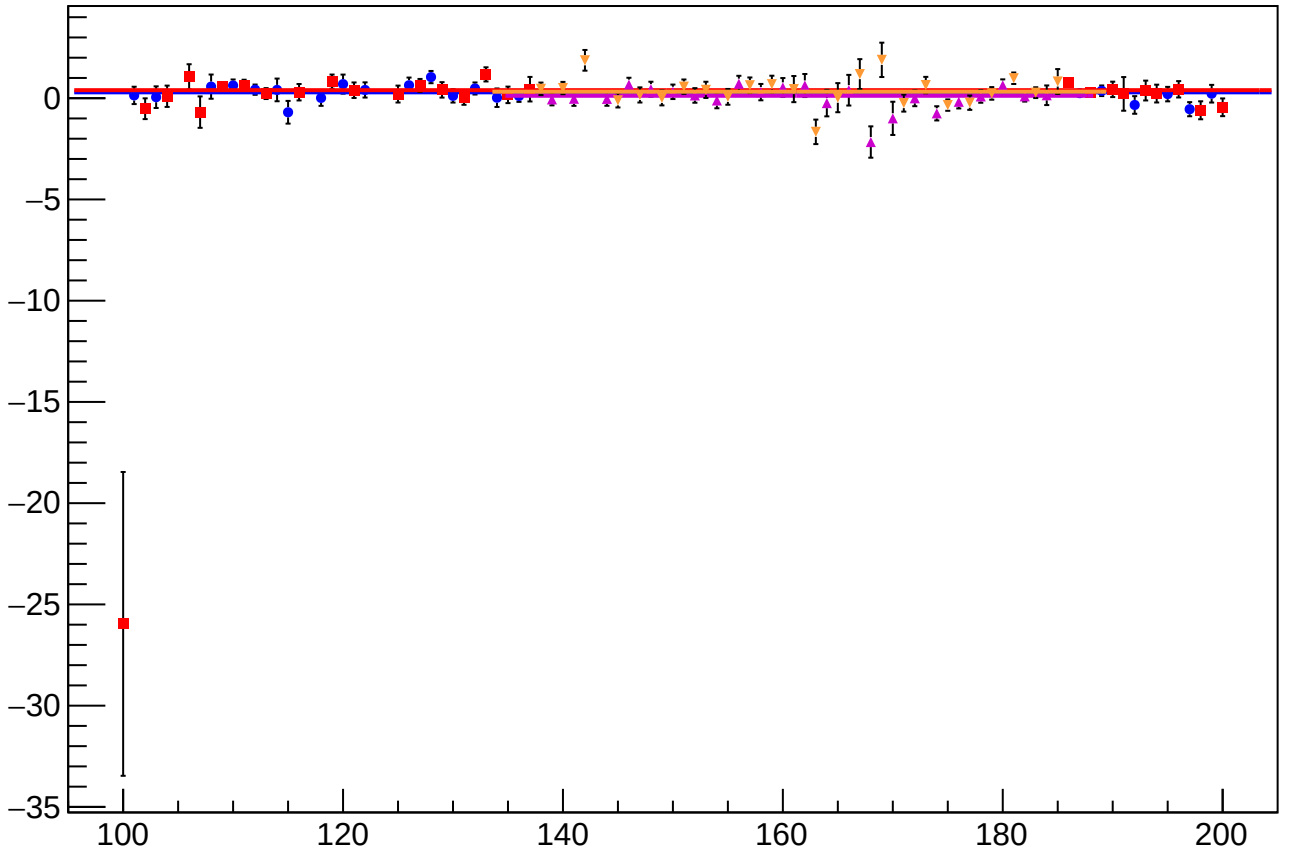
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.965+/-0.024 χ^2/NDF: 31497.2/48

In: -39.606+/-0.014 χ^2/NDF:64252.9/44

Out: -40.168+/-0.014 χ^2/NDF:105045.7/51

All: -39.891+/-0.010 χ^2/NDF: 170092.2/96



Right In: 0.290+/-0.075 χ^2/NDF: 23.0/21

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

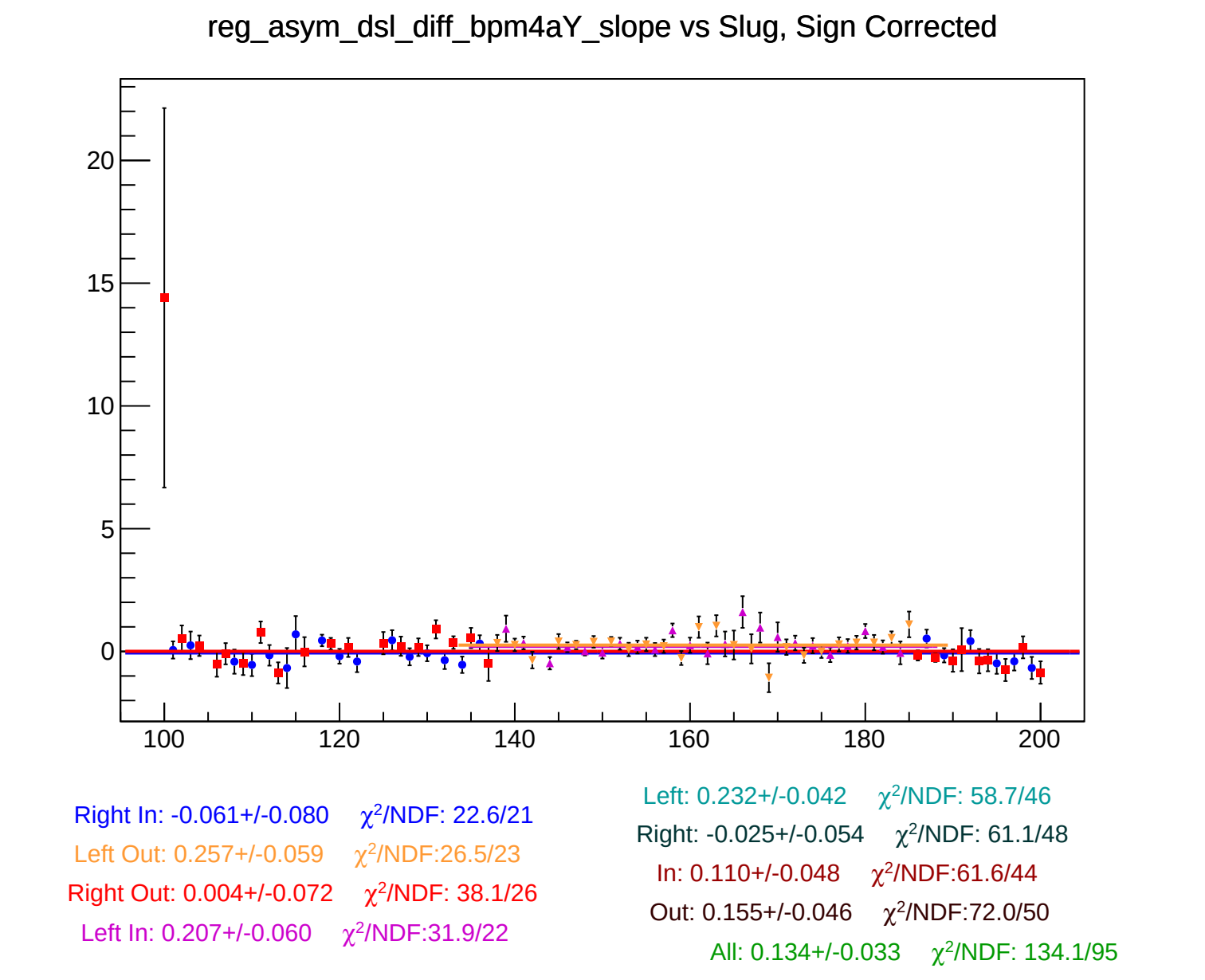
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.352+/-0.048 χ^2/NDF: 68.1/48

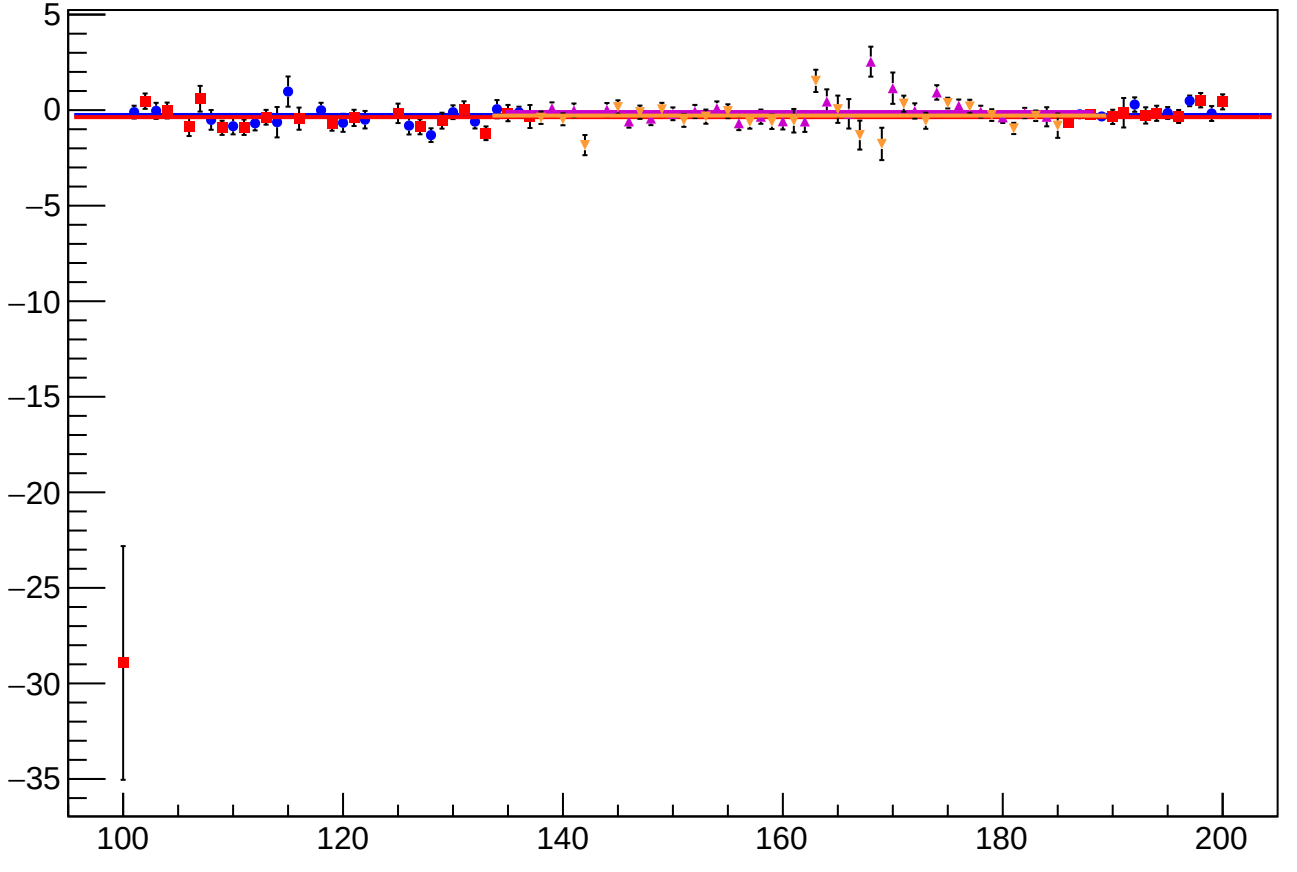
In: 0.210+/-0.054 χ^2/NDF:55.4/44

Out: 0.367+/-0.049 χ^2/NDF:91.4/50

All: 0.297+/-0.036 χ^2/NDF: 151.3/95


reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.061+/-0.080 χ2/NDF: 22.6/21
Left Out: 0.257+/-0.059 χ2/NDF:26.5/23
Right Out: 0.004+/-0.072 χ2/NDF: 38.1/26
Left In: 0.207+/-0.060 χ2/NDF:31.9/22
Left: 0.232+/-0.042 χ2/NDF: 58.7/46
Right: -0.025+/-0.054 χ2/NDF: 61.1/48
In: 0.110+/-0.048 χ2/NDF:61.6/44
Out: 0.155+/-0.046 χ2/NDF:72.0/50
All: 0.134+/-0.033 χ2/NDF: 134.1/95

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.253+/-0.074 χ^2/NDF: 29.3/21

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

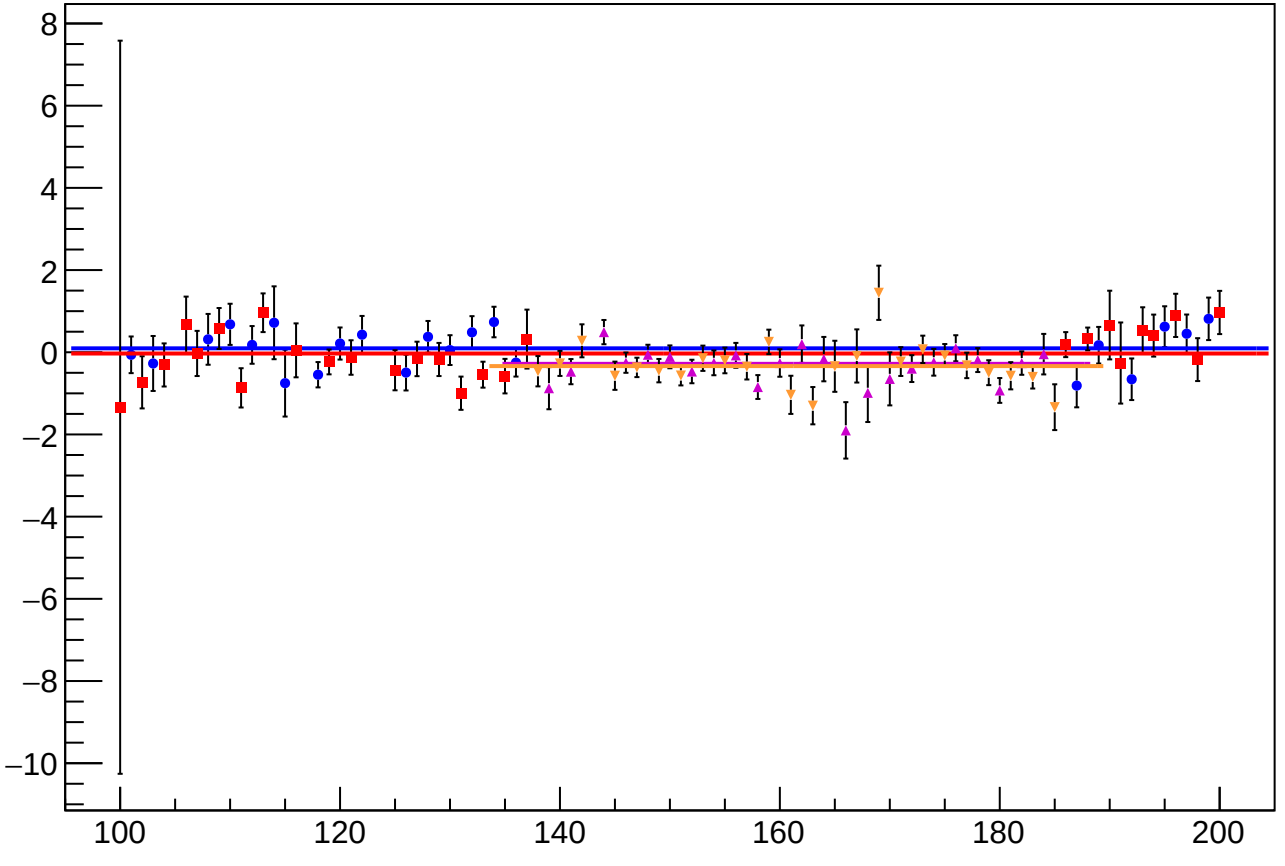
Right: -0.323+/-0.046 χ^2/NDF: 89.6/48

In: -0.181+/-0.054 χ^2/NDF:64.6/44

Out: -0.337+/-0.047 χ^2/NDF:104.6/50

All: -0.269+/-0.036 χ^2/NDF: 173.9/95

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.095+/-0.095 χ^2/NDF: 24.7/21

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

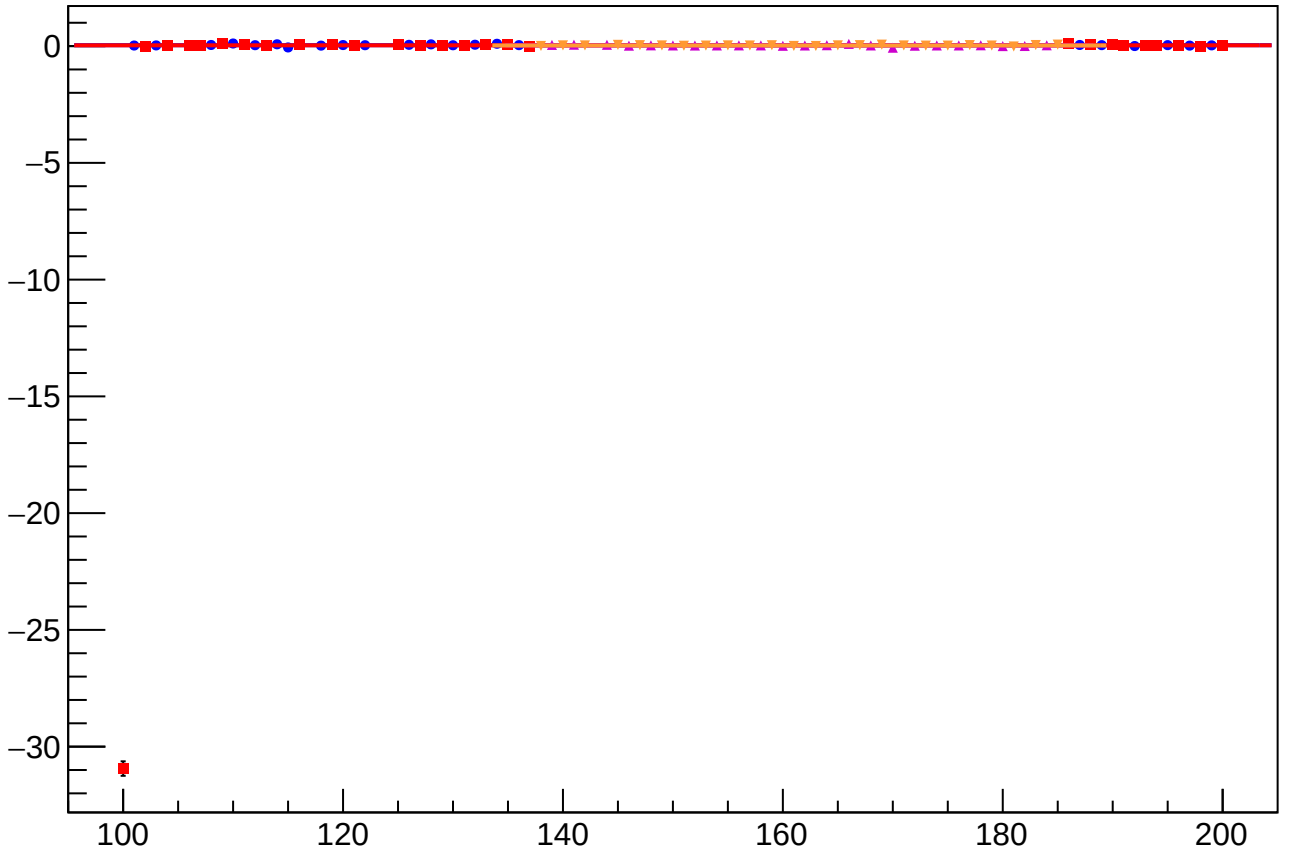
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.028+/-0.065 χ^2/NDF: 60.3/48

In: -0.152+/-0.056 χ^2/NDF:64.0/44

Out: -0.223+/-0.054 χ^2/NDF:72.3/50

All: -0.189+/-0.039 χ^2/NDF: 137.1/95



Right In: 0.040+/-0.005 χ^2/NDF: 28.3/21

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

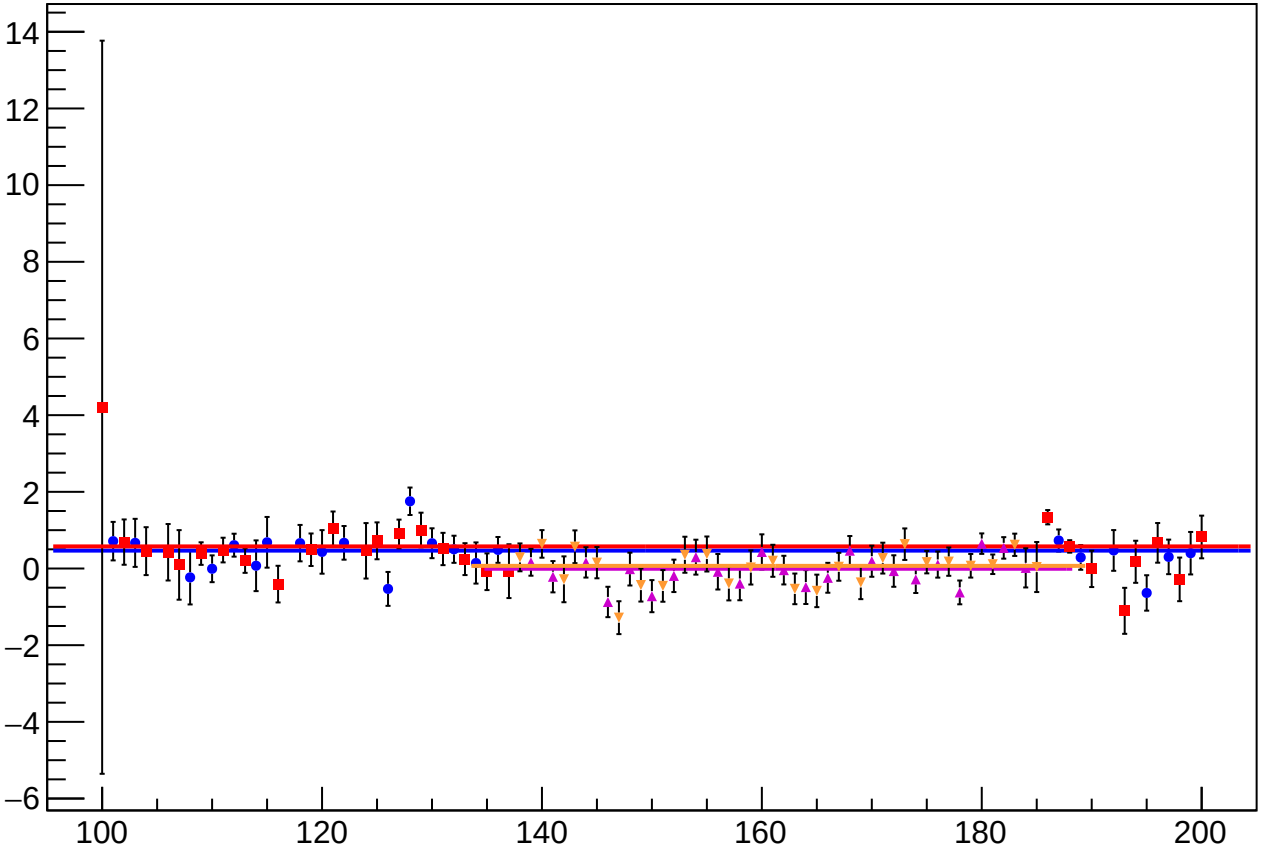
Right: 0.037+/-0.003 χ^2/NDF: 10073.8/48

In: 0.033+/-0.003 χ^2/NDF:70.5/44

Out: 0.030+/-0.002 χ^2/NDF:10073.8/50

All: 0.031+/-0.002 χ^2/NDF: 10144.7/95

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.467+/-0.090 χ^2/NDF: 29.9/21

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

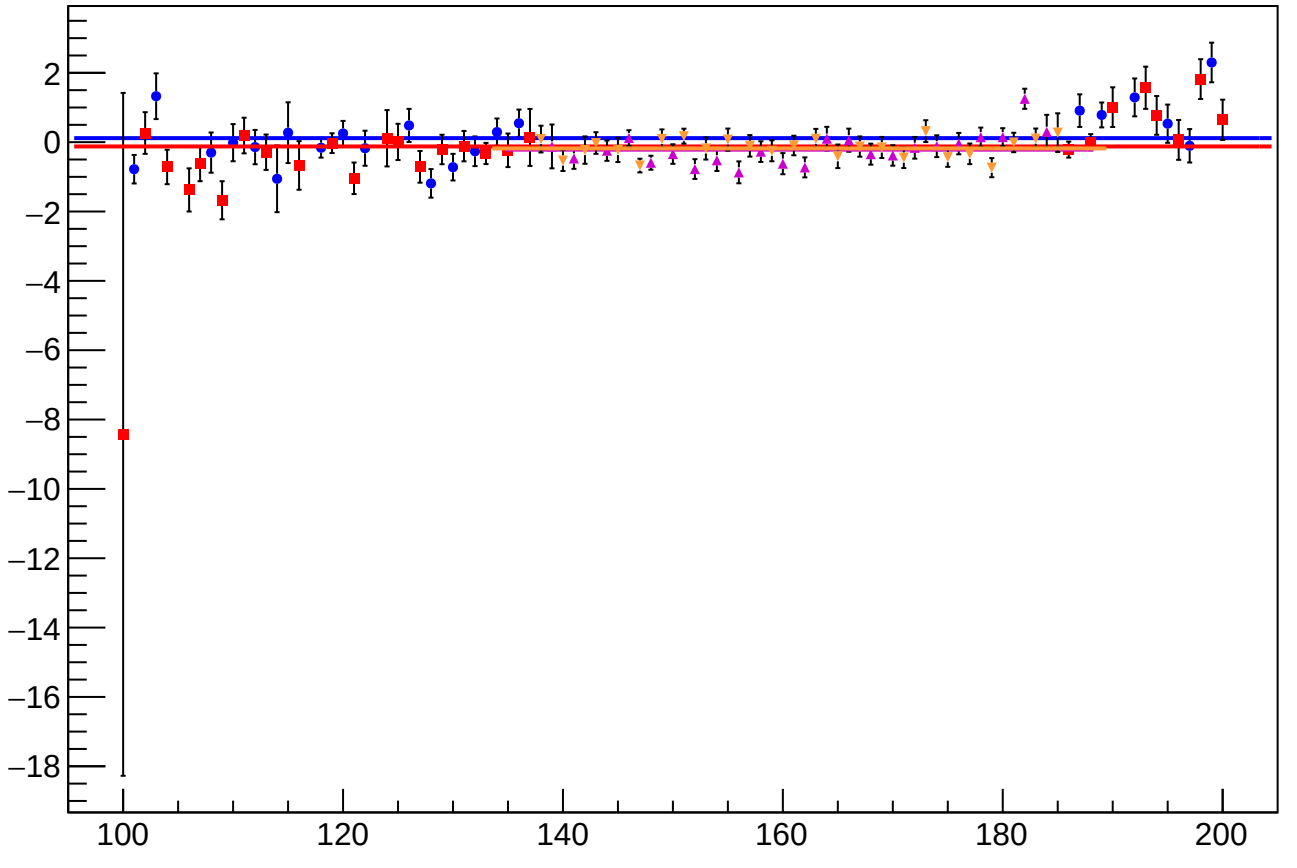
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.532+/-0.058 χ^2/NDF: 72.7/48

In: 0.201+/-0.060 χ^2/NDF:73.9/44

Out: 0.330+/-0.054 χ^2/NDF:95.3/51

All: 0.272+/-0.040 χ^2/NDF: 171.8/96



Right In: 0.116+/-0.097 χ^2/NDF: 55.8/21

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

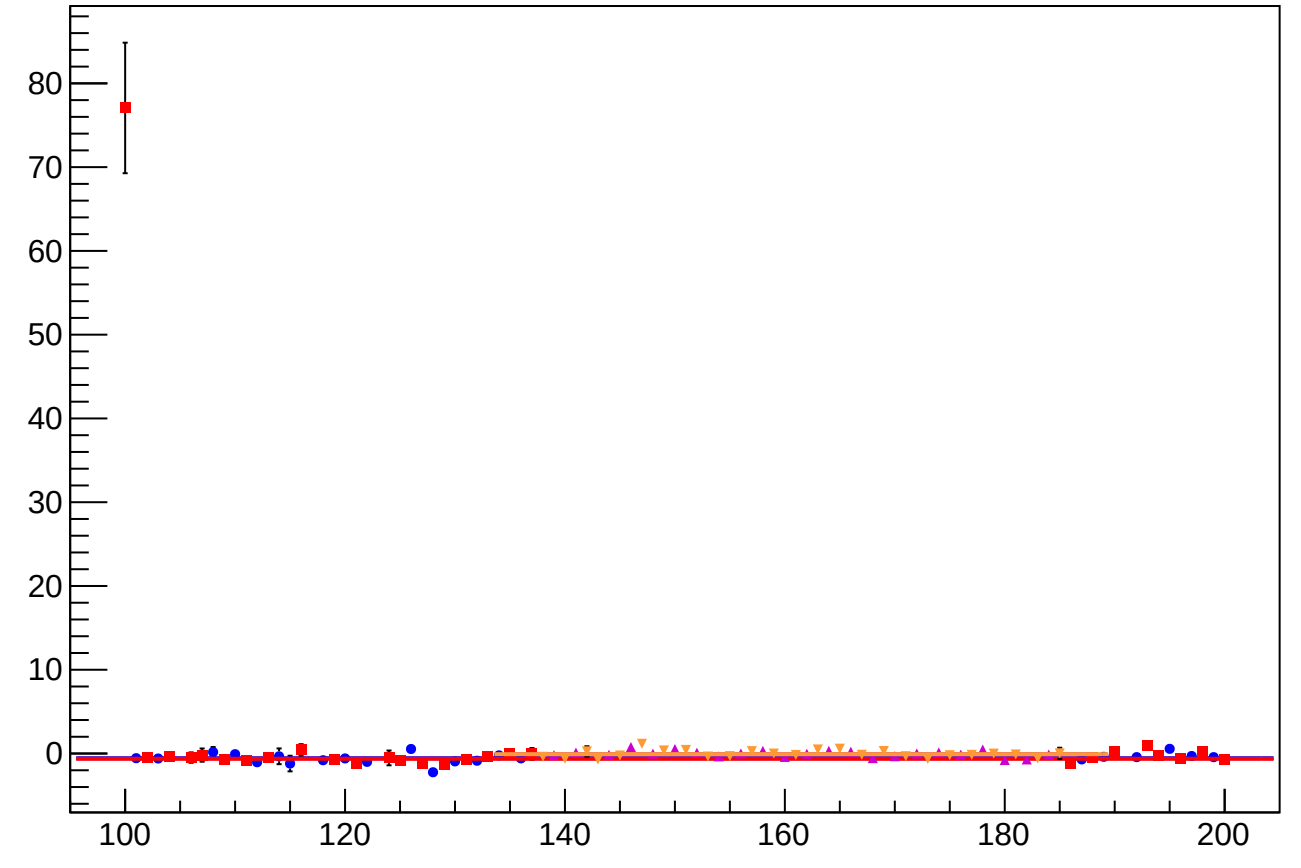
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.018+/-0.064 χ^2/NDF: 110.5/48

In: -0.120+/-0.052 χ^2/NDF:117.7/44

Out: -0.162+/-0.049 χ^2/NDF:76.3/51

All: -0.142+/-0.036 χ^2/NDF: 194.4/96



Right In: -0.564+/-0.091 χ^2/NDF: 35.7/21

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

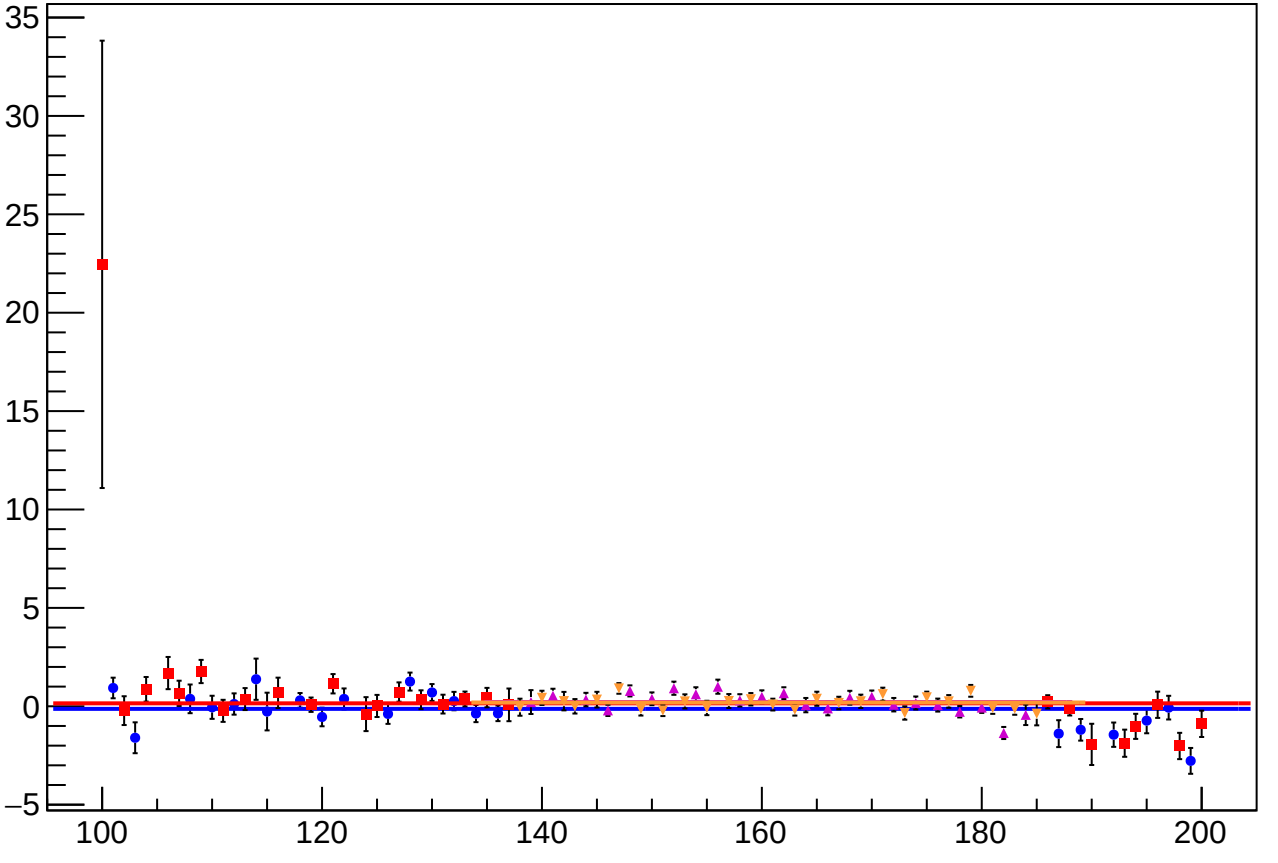
Right: -0.603+/-0.056 χ^2/NDF: 175.9/48

In: -0.286+/-0.059 χ^2/NDF:80.6/44

Out: -0.372+/-0.052 χ^2/NDF:197.4/51

All: -0.334+/-0.039 χ^2/NDF: 279.1/96

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.114 χ^2/NDF: 56.7/21

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

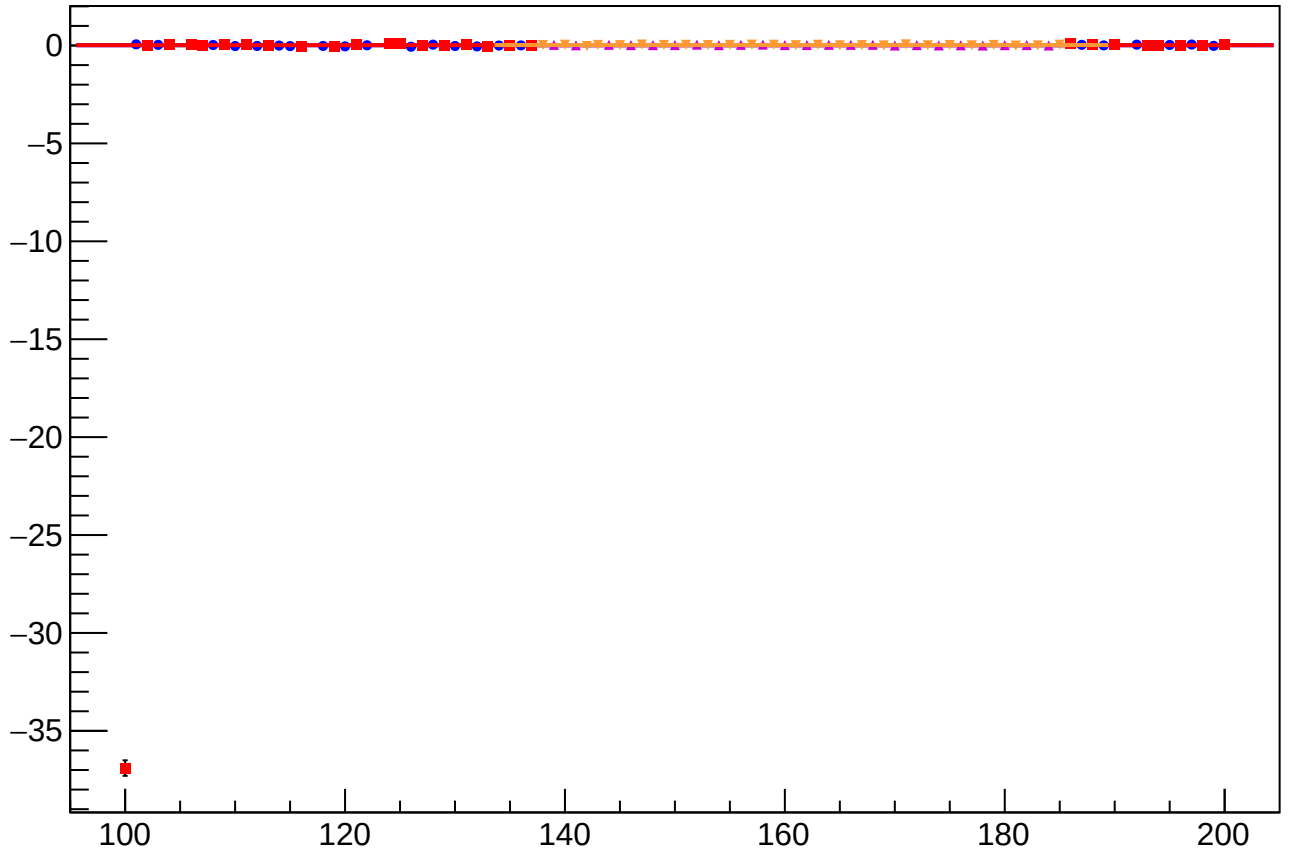
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.021+/-0.077 χ^2/NDF: 114.6/48

In: 0.122+/-0.059 χ^2/NDF:118.5/44

Out: 0.181+/-0.056 χ^2/NDF:80.6/51

All: 0.153+/-0.041 χ^2/NDF: 199.7/96



Right In: 0.013+/-0.006 χ^2/NDF: 27.7/21

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

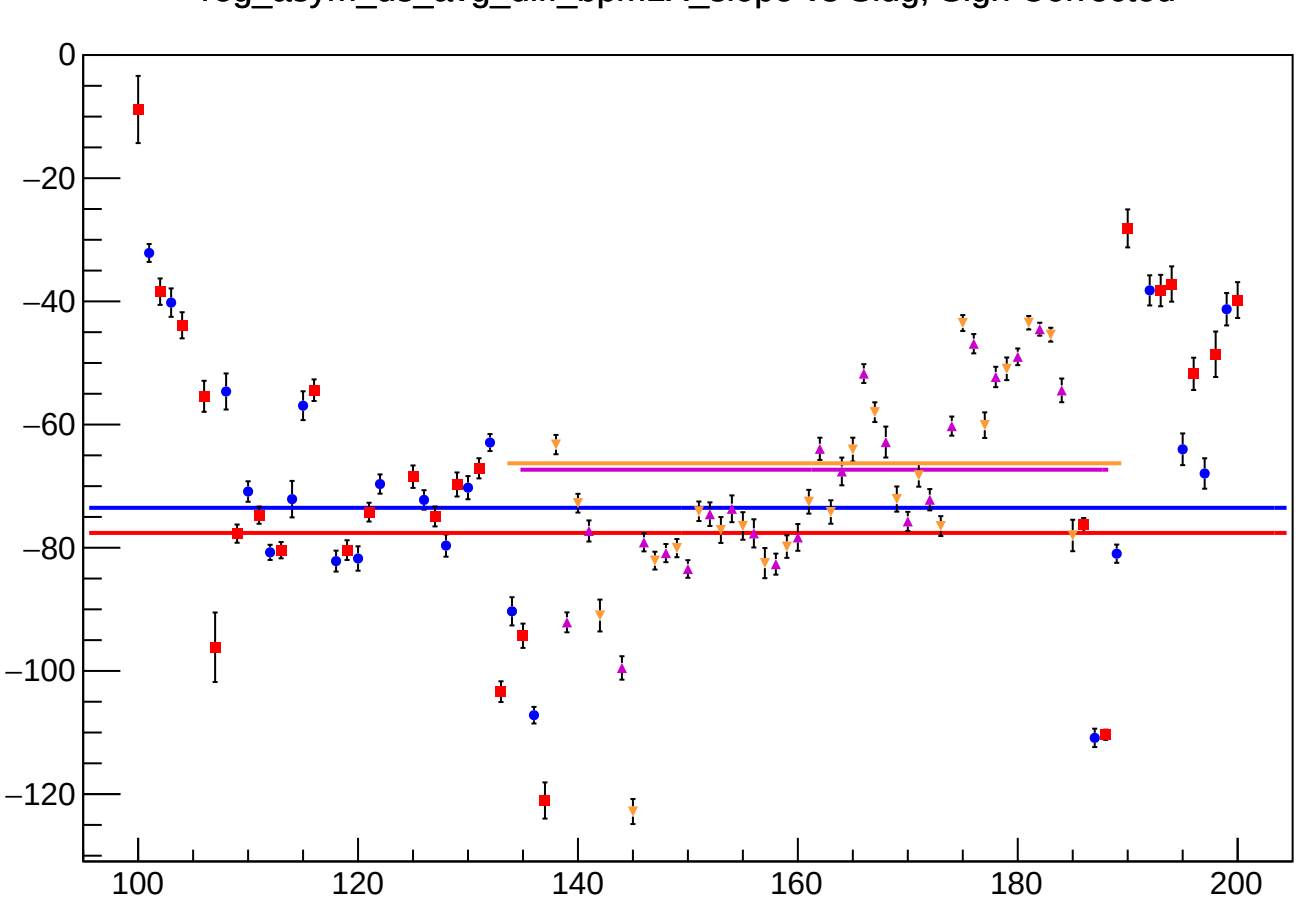
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8805.5/48

In: 0.022+/-0.003 χ^2/NDF:48.7/44

Out: 0.022+/-0.003 χ^2/NDF:8809.2/51

All: 0.022+/-0.002 χ^2/NDF: 8857.9/96



Right In: -73.517+/-0.381 χ^2/NDF: 2972.5/21

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

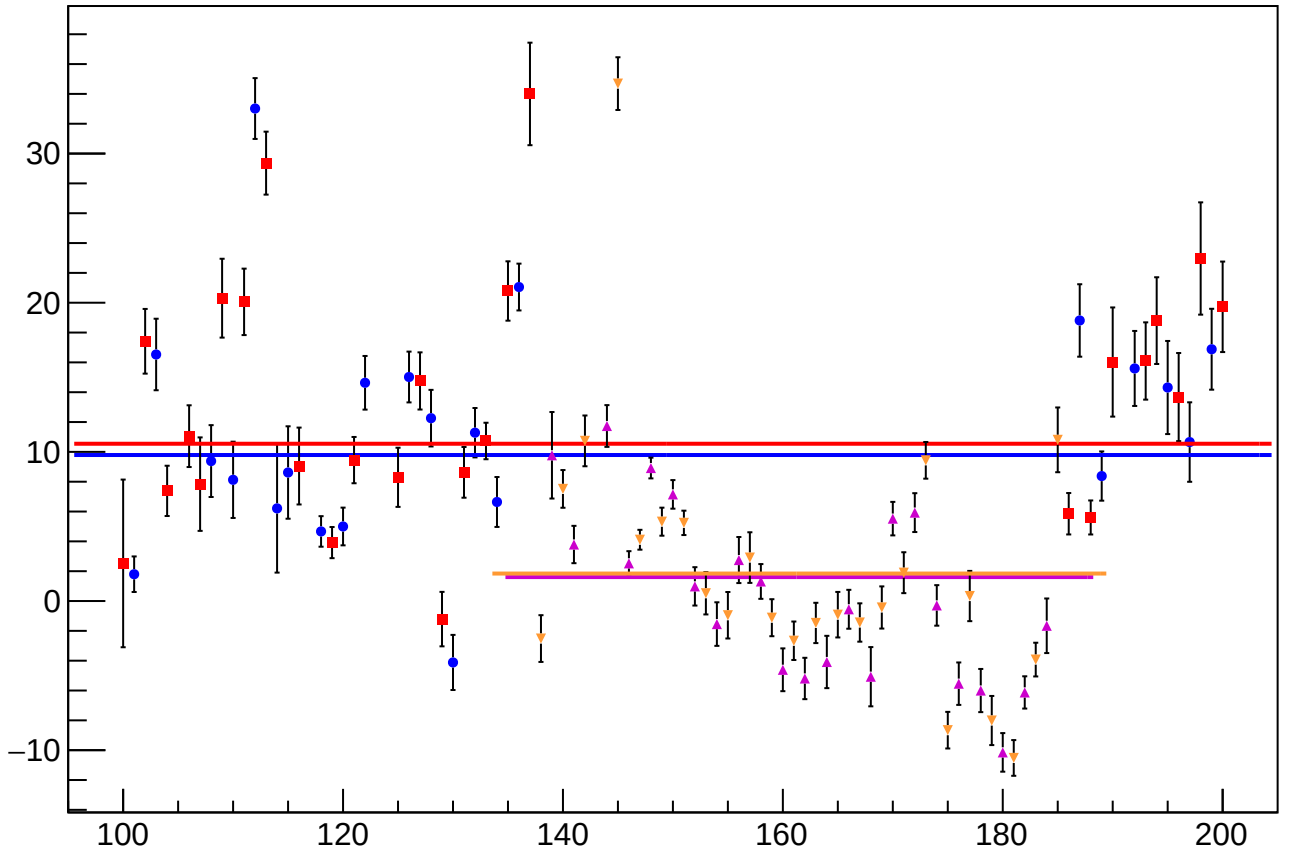
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -75.753+/-0.256 χ^2/NDF: 7259.1/47

In: -70.119+/-0.256 χ^2/NDF:5220.0/44

Out: -71.910+/-0.244 χ^2/NDF:7311.8/49

All: -71.057+/-0.176 χ^2/NDF: 12557.4/94



Right In: 9.789+/-0.389 χ^2/NDF: 383.2/21

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

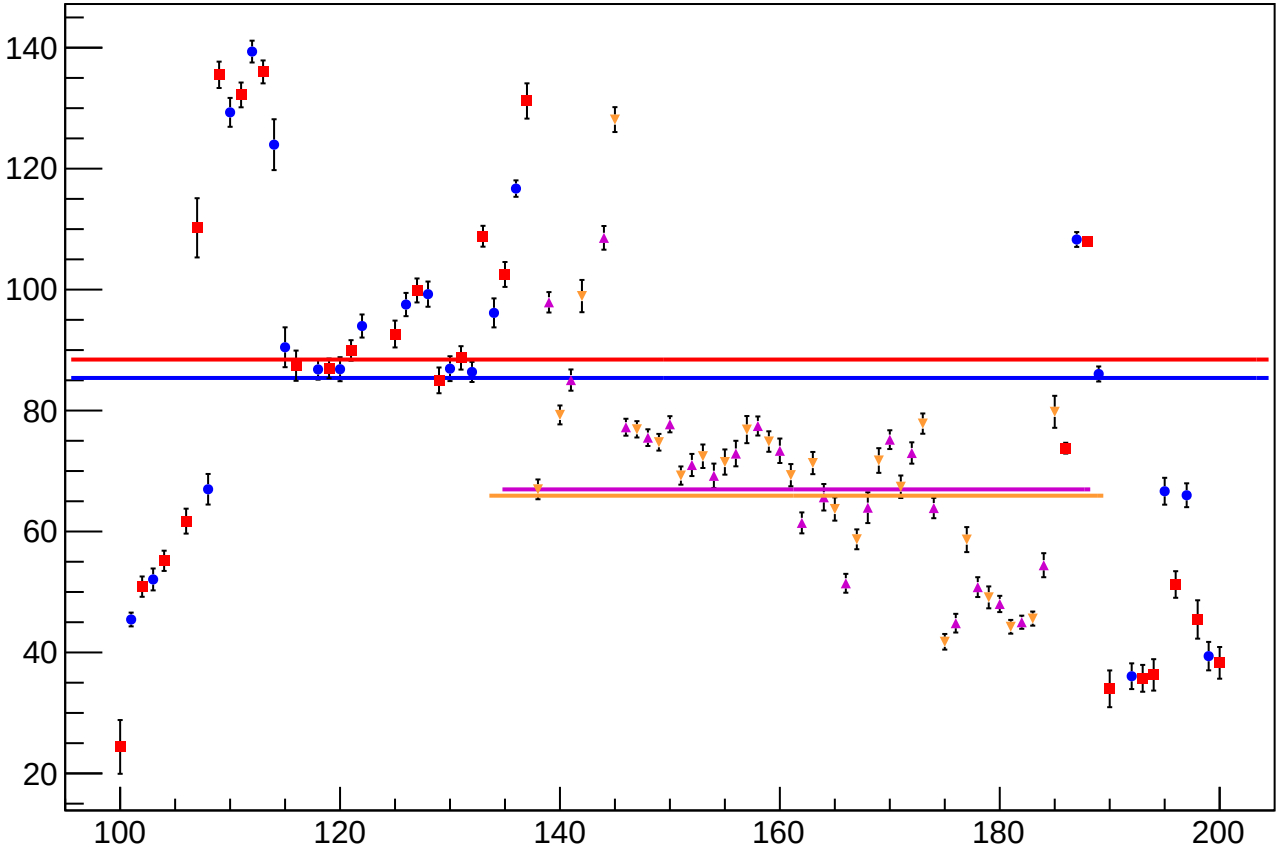
Right: 10.180+/-0.270 χ^2/NDF: 742.2/47

In: 4.111+/-0.215 χ^2/NDF:1186.9/44

Out: 4.579+/-0.211 χ^2/NDF:1506.5/49

All: 4.350+/-0.151 χ^2/NDF: 2695.8/94

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 85.389+/-0.386 χ^2/NDF: 5031.0/21

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

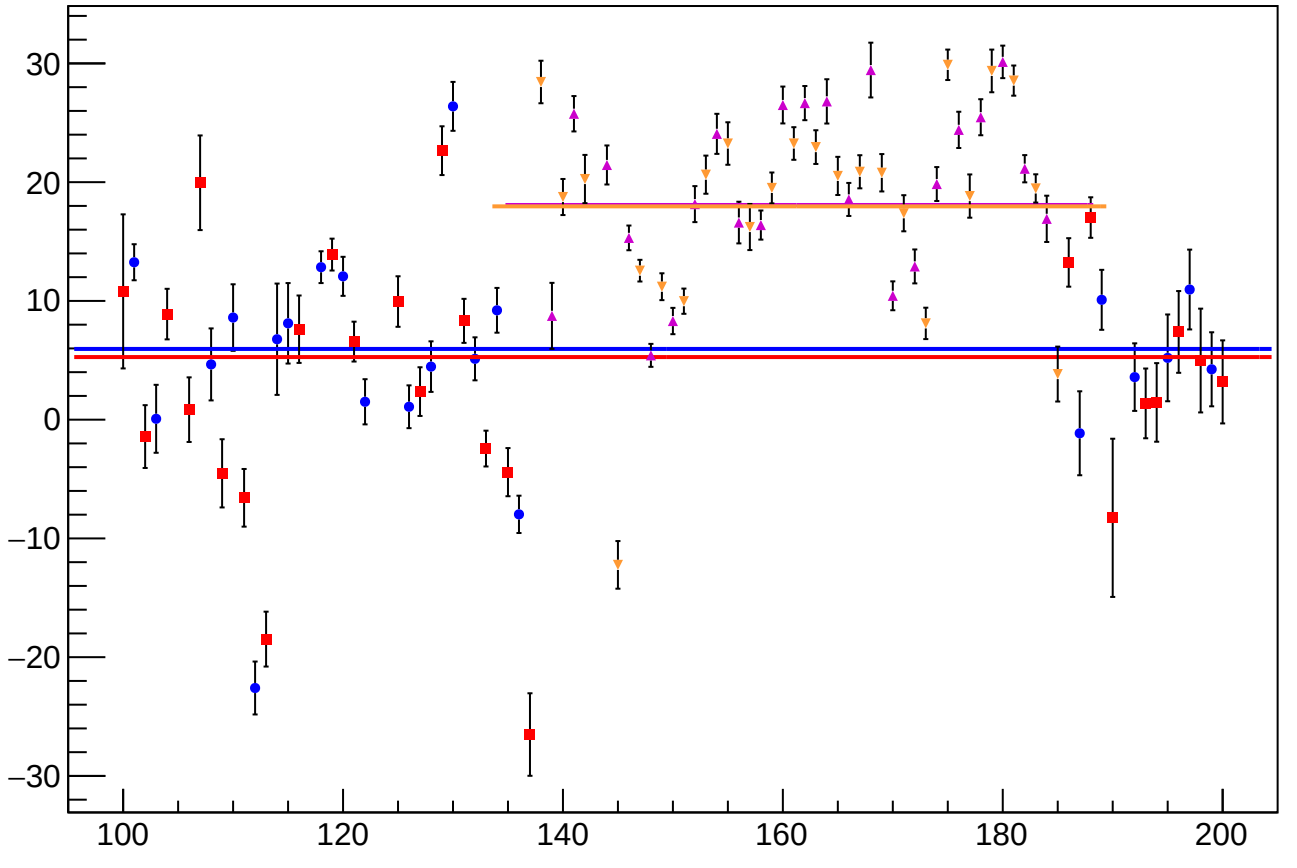
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 87.107+/-0.255 χ^2/NDF: 11602.8/47

In: 75.055+/-0.256 χ^2/NDF:8532.7/44

Out: 77.230+/-0.240 χ^2/NDF:11287.5/49

All: 76.209+/-0.175 χ^2/NDF: 19858.6/94



Right In: 5.957+/-0.461 χ^2/NDF: 436.8/21

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

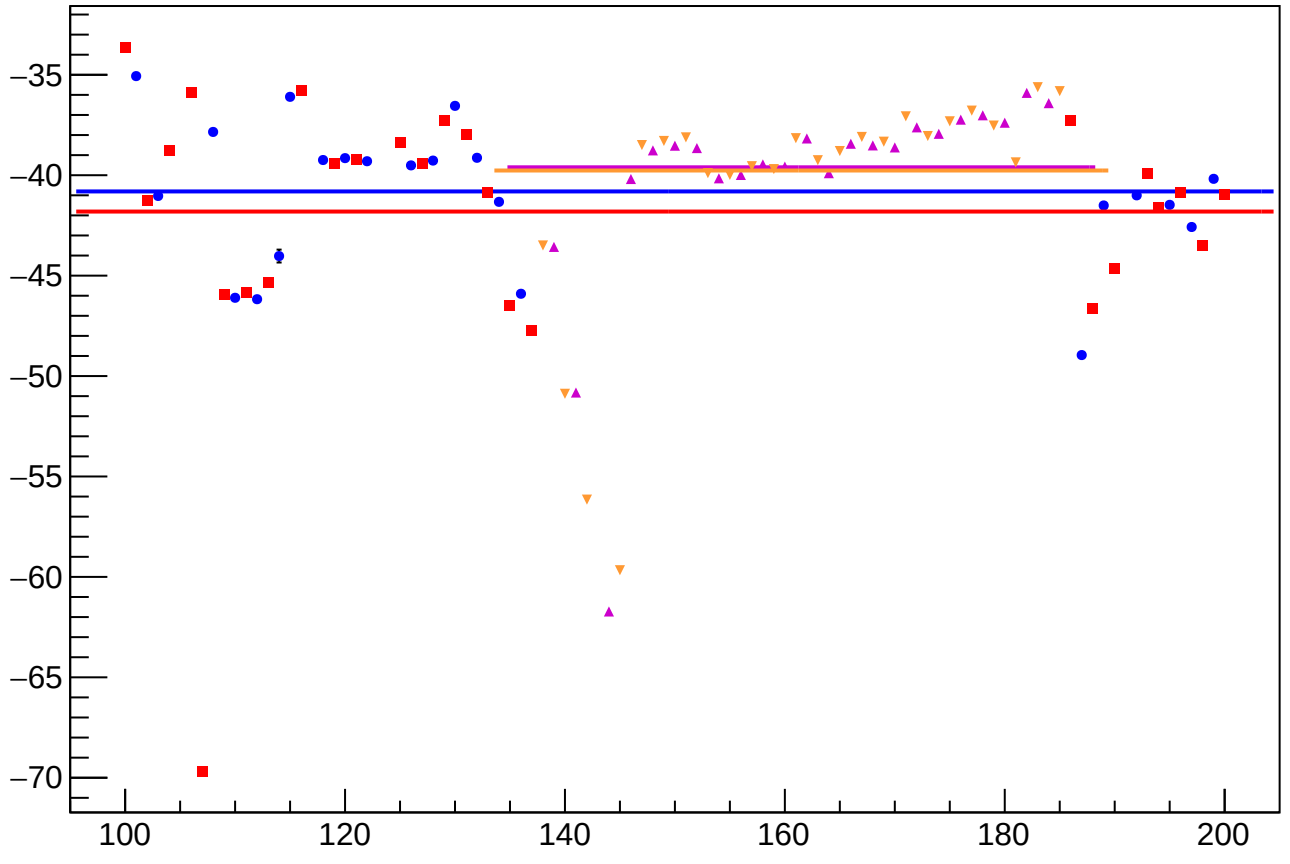
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.609+/-0.323 χ^2/NDF: 932.2/47

In: 14.556+/-0.248 χ^2/NDF:1533.1/44

Out: 14.234+/-0.245 χ^2/NDF:1781.8/49

All: 14.393+/-0.175 χ^2/NDF: 3315.7/94



Right In: -40.807+/-0.024 χ^2/NDF: 20318.6/21

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.809+/-0.023 χ^2/NDF: 41698.5/25

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

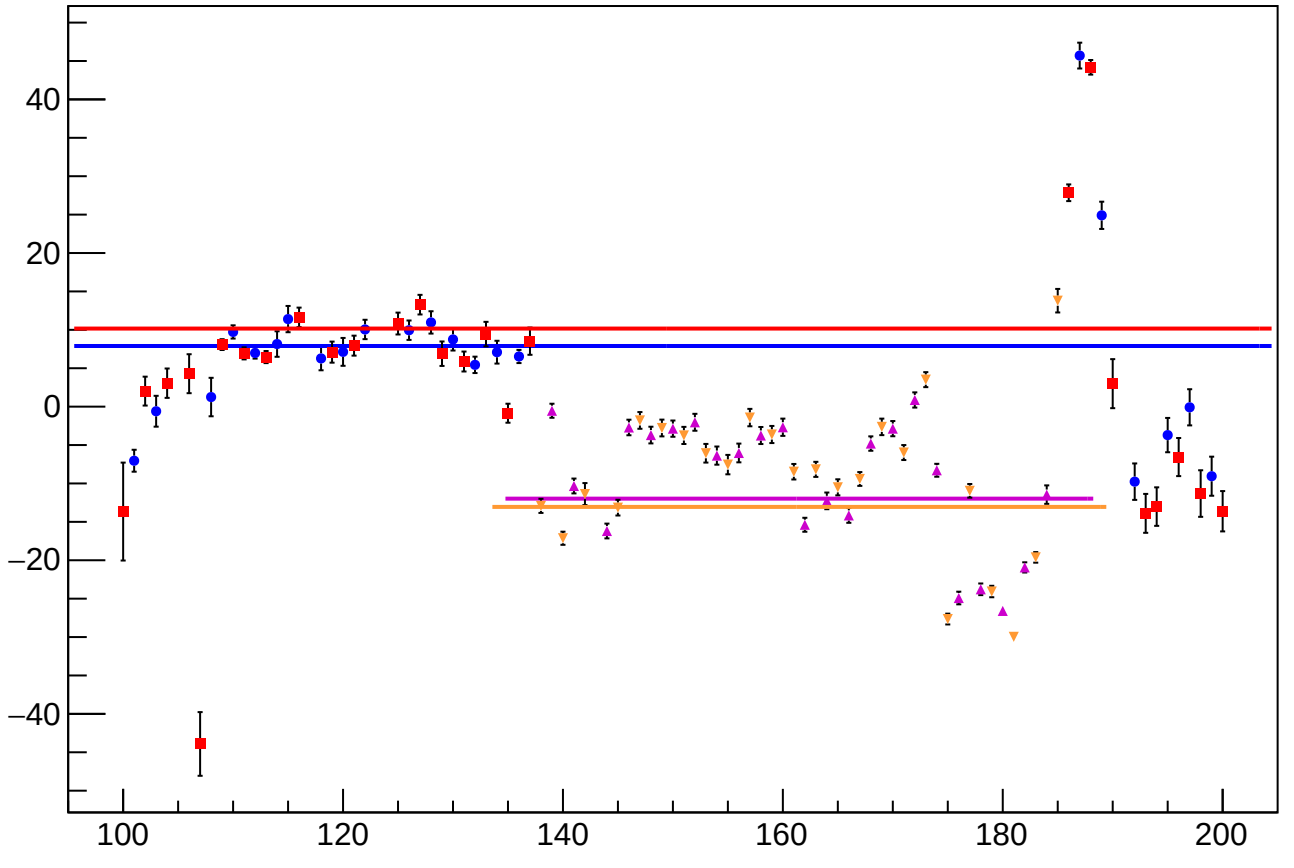
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

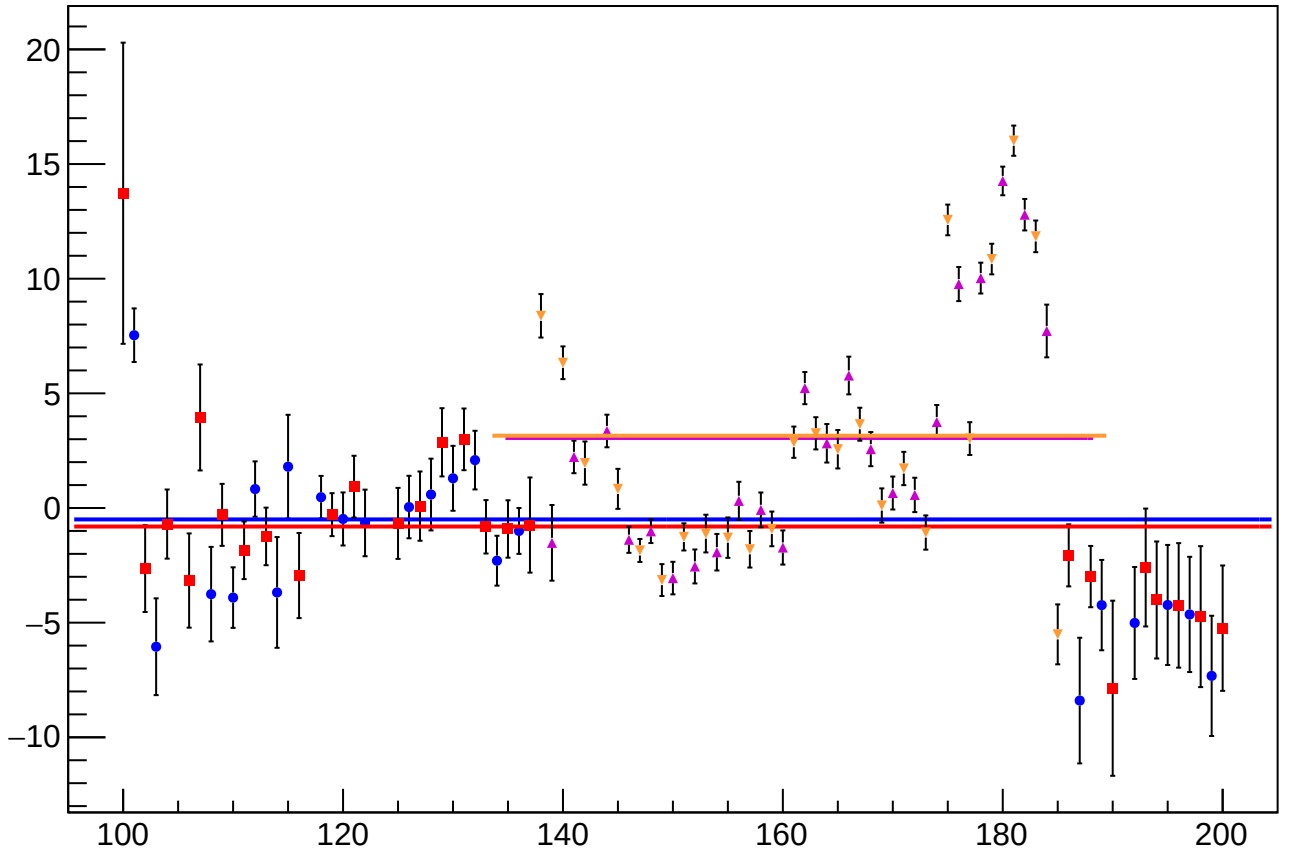
Right: -41.321+/-0.017 χ^2/NDF: 62917.4/47

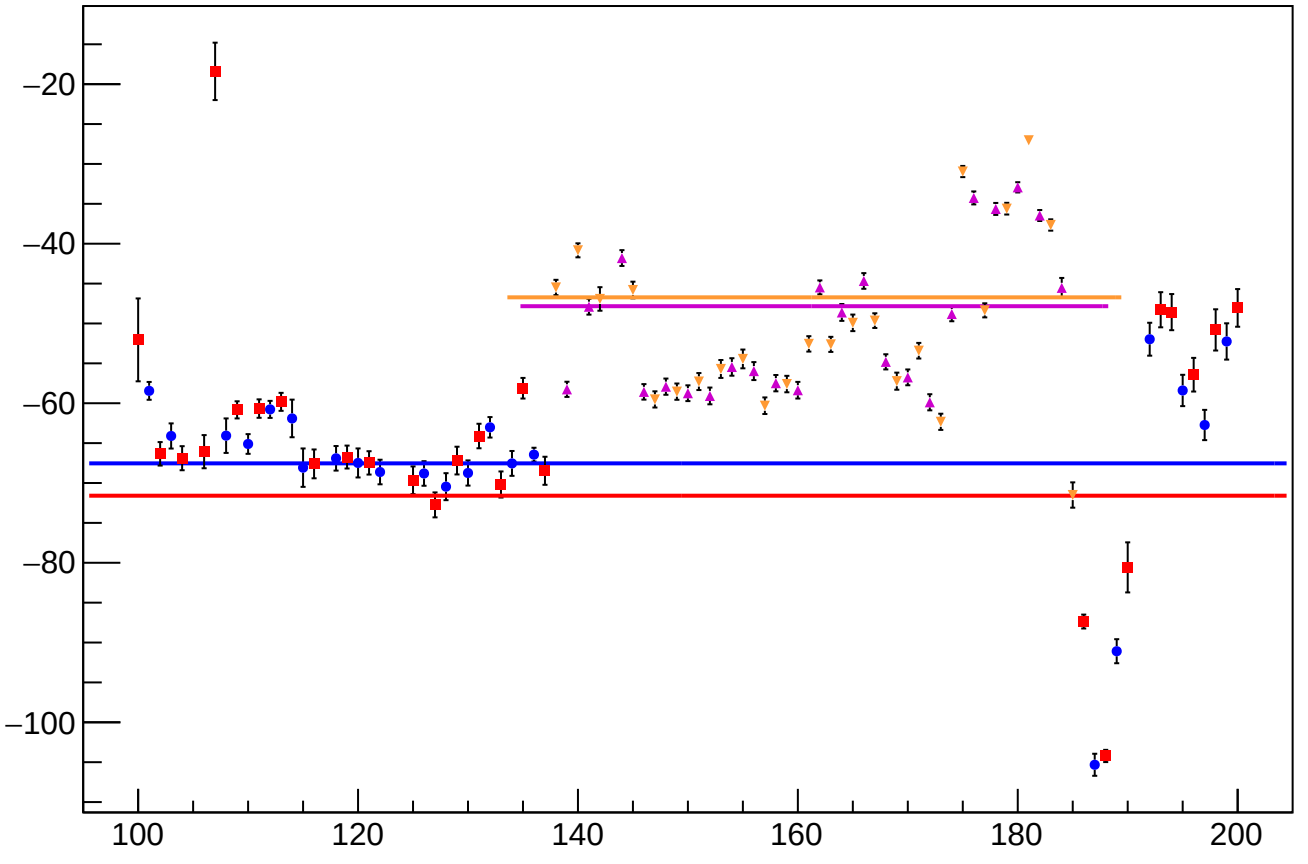
In: -39.893+/-0.012 χ^2/NDF:128881.0/44

Out: -40.277+/-0.012 χ^2/NDF:177357.3/49

All: -40.085+/-0.008 χ^2/NDF: 306780.7/94


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.896+/-0.291 χ²/NDF: 900.3/21
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 10.165+/-0.267 χ²/NDF: 2284.4/25
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 9.126+/-0.197 χ²/NDF: 3217.7/47
In: -5.787+/-0.162 χ²/NDF:6296.7/44
Out: -5.097+/-0.156 χ²/NDF:10124.3/49
All: -5.429+/-0.113 χ²/NDF: 16430.5/94


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: -0.497+/-0.315 χ²/NDF: 104.6/21
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: -0.654+/-0.221 χ²/NDF: 150.0/47
In: 2.382+/-0.137 χ²/NDF:1353.0/44
Out: 2.416+/-0.135 χ²/NDF:1561.4/49
All: 2.399+/-0.096 χ²/NDF: 2914.4/94



Right In: -67.538+/-0.318 χ^2/NDF: 1264.7/21

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

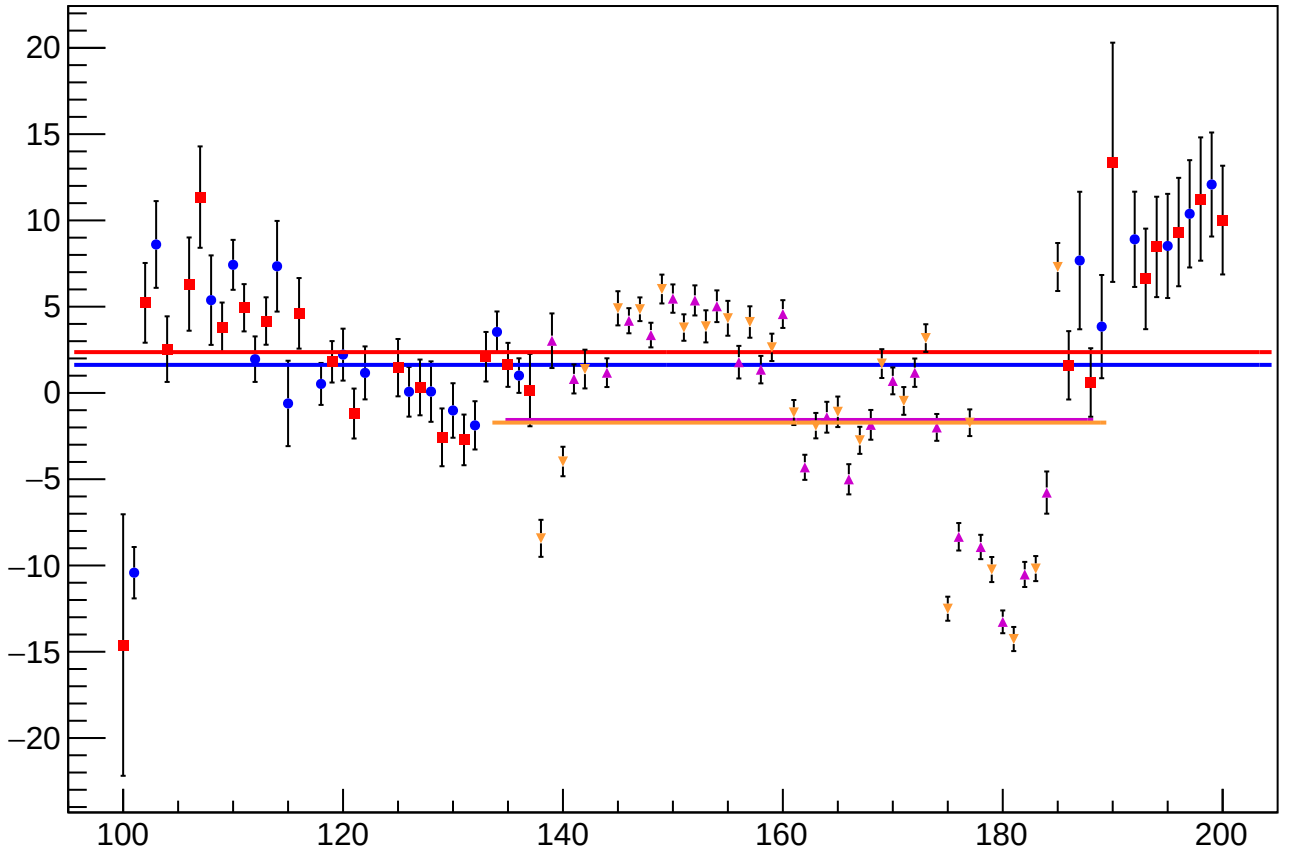
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

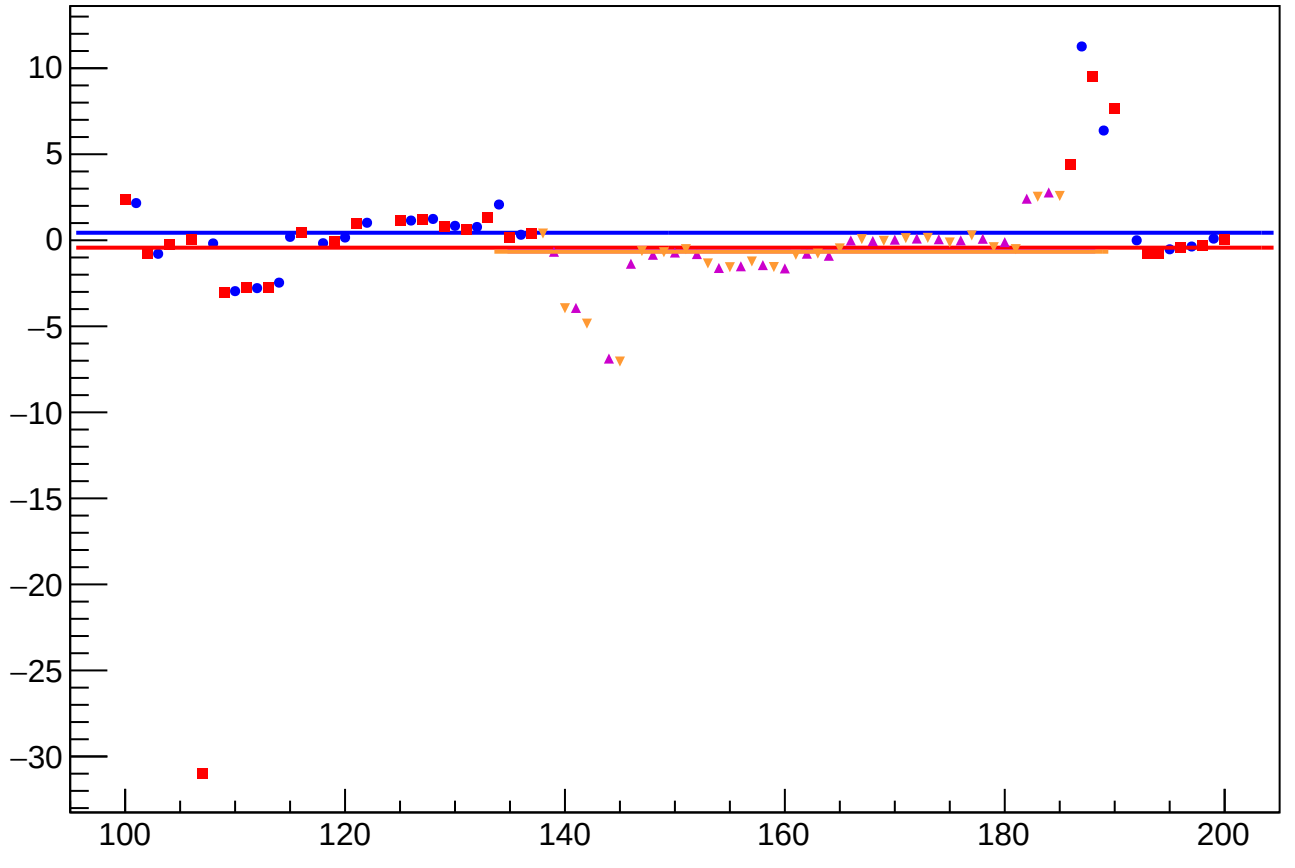
Right: -69.739+/-0.215 χ^2/NDF: 4663.1/47

In: -53.181+/-0.165 χ^2/NDF:6625.5/44

Out: -54.226+/-0.160 χ^2/NDF:11840.7/49

All: -53.721+/-0.115 χ^2/NDF: 18486.8/94


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 1.626+/-0.360 χ²/NDF: 146.9/21
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 2.366+/-0.362 χ²/NDF: 82.8/25
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 1.994+/-0.255 χ²/NDF: 231.8/47
In: -0.981+/-0.154 χ²/NDF:1328.9/44
Out: -0.996+/-0.152 χ²/NDF:1593.6/49
All: -0.988+/-0.108 χ²/NDF: 2922.5/94



Right In: 0.437+/-0.019 χ^2/NDF: 9631.2/21

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

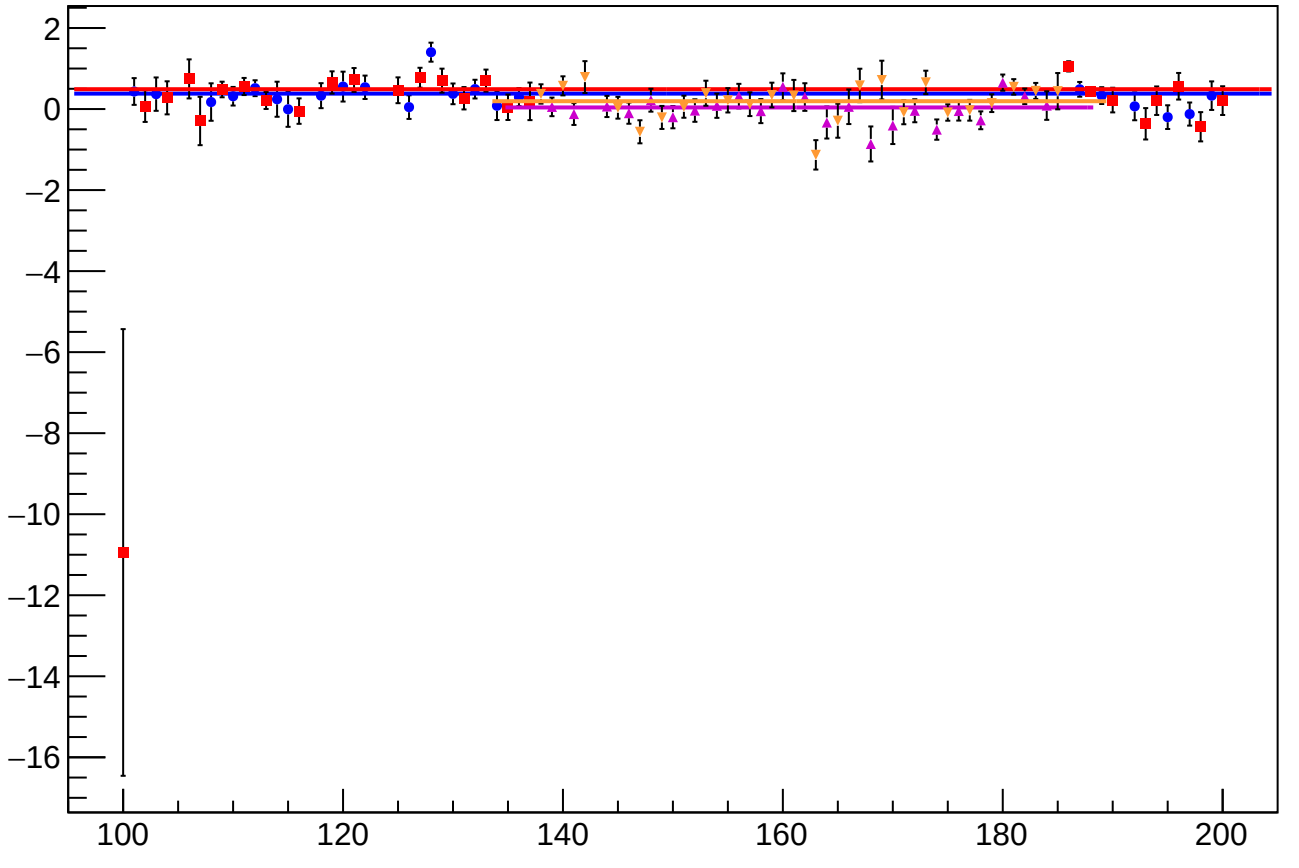
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.006+/-0.013 χ^2/NDF: 70651.5/47

In: -0.496+/-0.007 χ^2/NDF:58045.9/44

Out: -0.634+/-0.007 χ^2/NDF:115380.0/49

All: -0.565+/-0.005 χ^2/NDF: 173617.9/94



Right In: 0.381+/-0.059 χ^2/NDF: 32.0/21

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

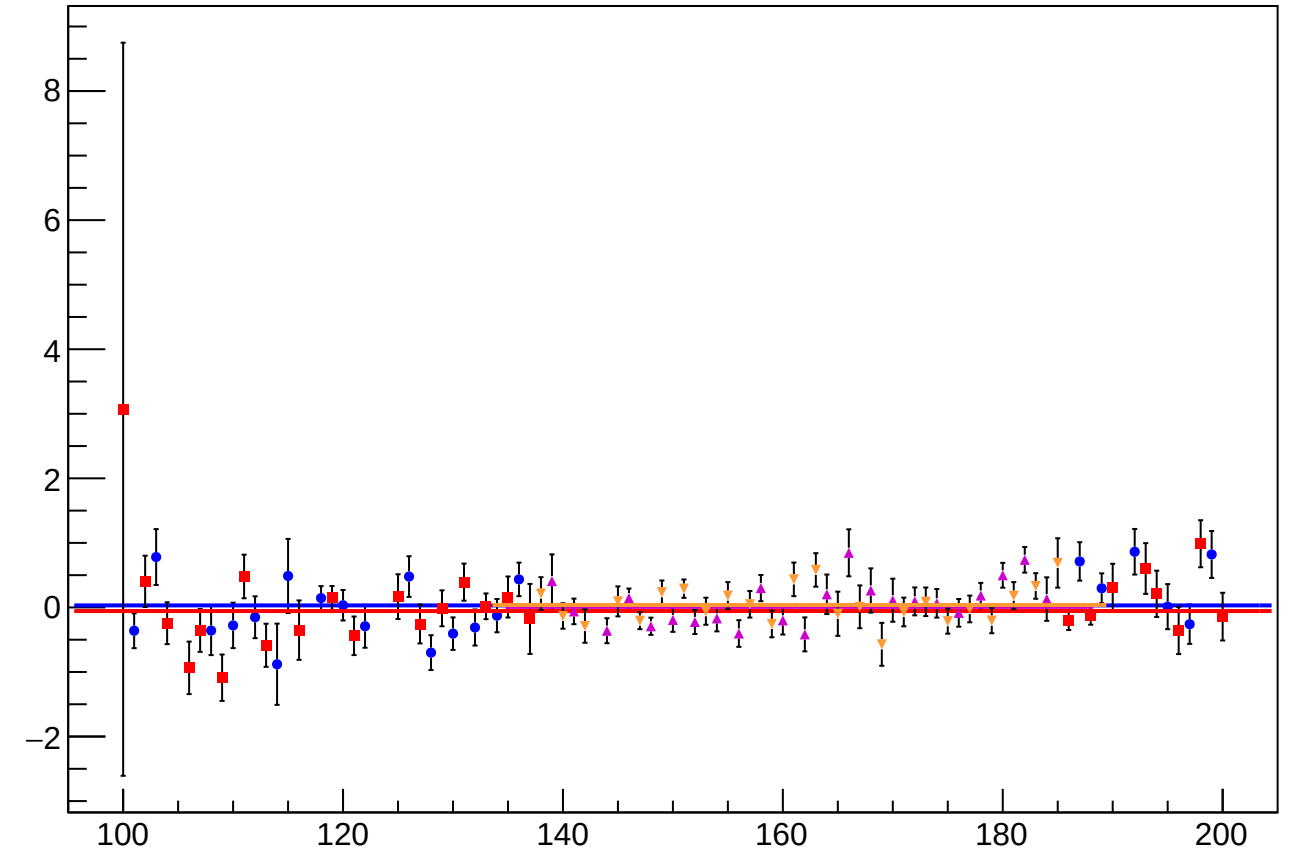
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.445+/-0.038 χ^2/NDF: 86.8/47

In: 0.207+/-0.041 χ^2/NDF:79.8/44

Out: 0.362+/-0.037 χ^2/NDF:112.5/49

All: 0.293+/-0.028 χ^2/NDF: 200.1/94



Right In: 0.031+/-0.063 χ^2/NDF: 45.7/21

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

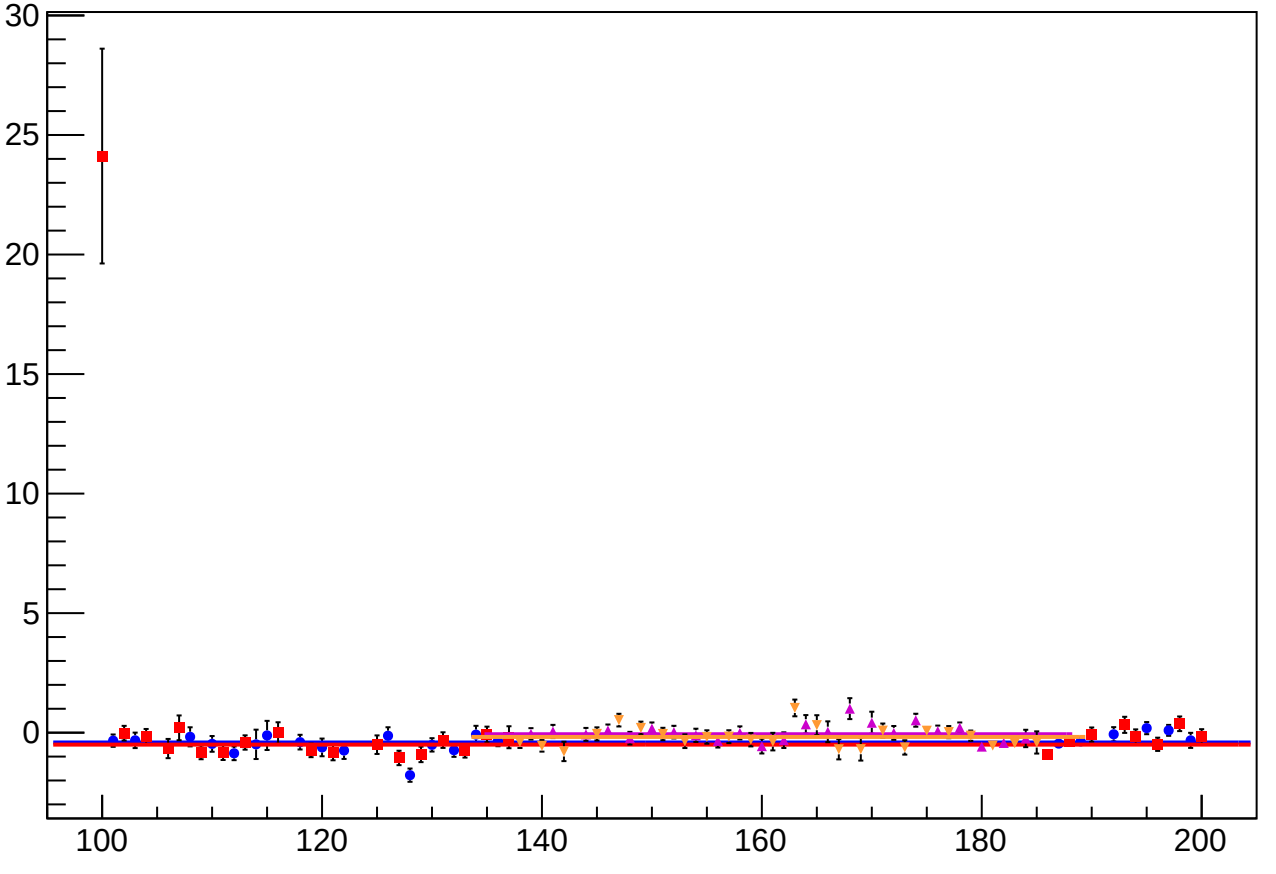
Right: -0.017+/-0.042 χ^2/NDF: 89.1/47

In: 0.016+/-0.036 χ^2/NDF:97.2/44

Out: 0.003+/-0.034 χ^2/NDF:76.8/49

All: 0.009+/-0.025 χ^2/NDF: 174.1/94

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.411+/-0.059 χ^2/NDF: 43.8/21

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

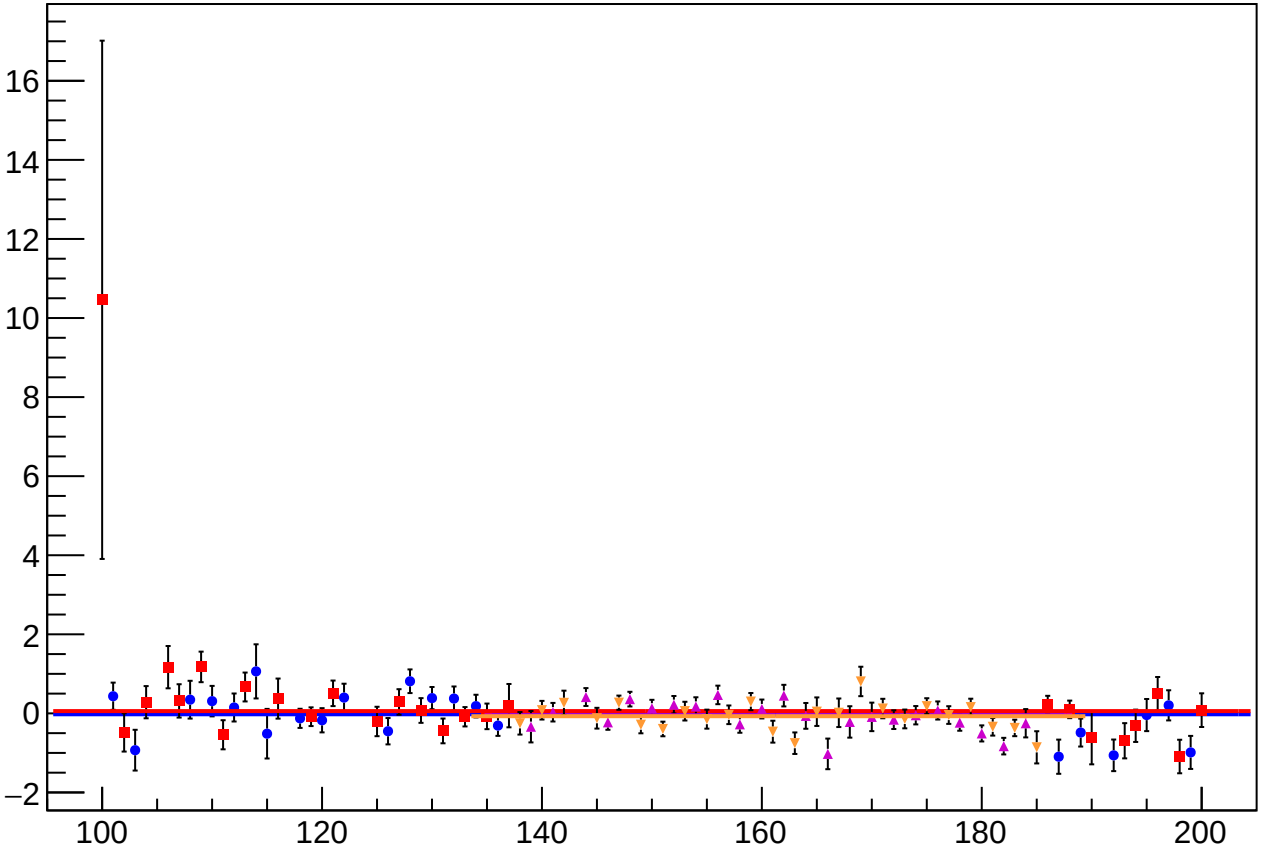
Right: -0.465+/-0.037 χ^2/NDF: 129.7/47

In: -0.233+/-0.041 χ^2/NDF:93.1/44

Out: -0.368+/-0.036 χ^2/NDF:146.0/49

All: -0.309+/-0.027 χ^2/NDF: 245.2/94

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.074 χ^2/NDF: 46.7/21

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

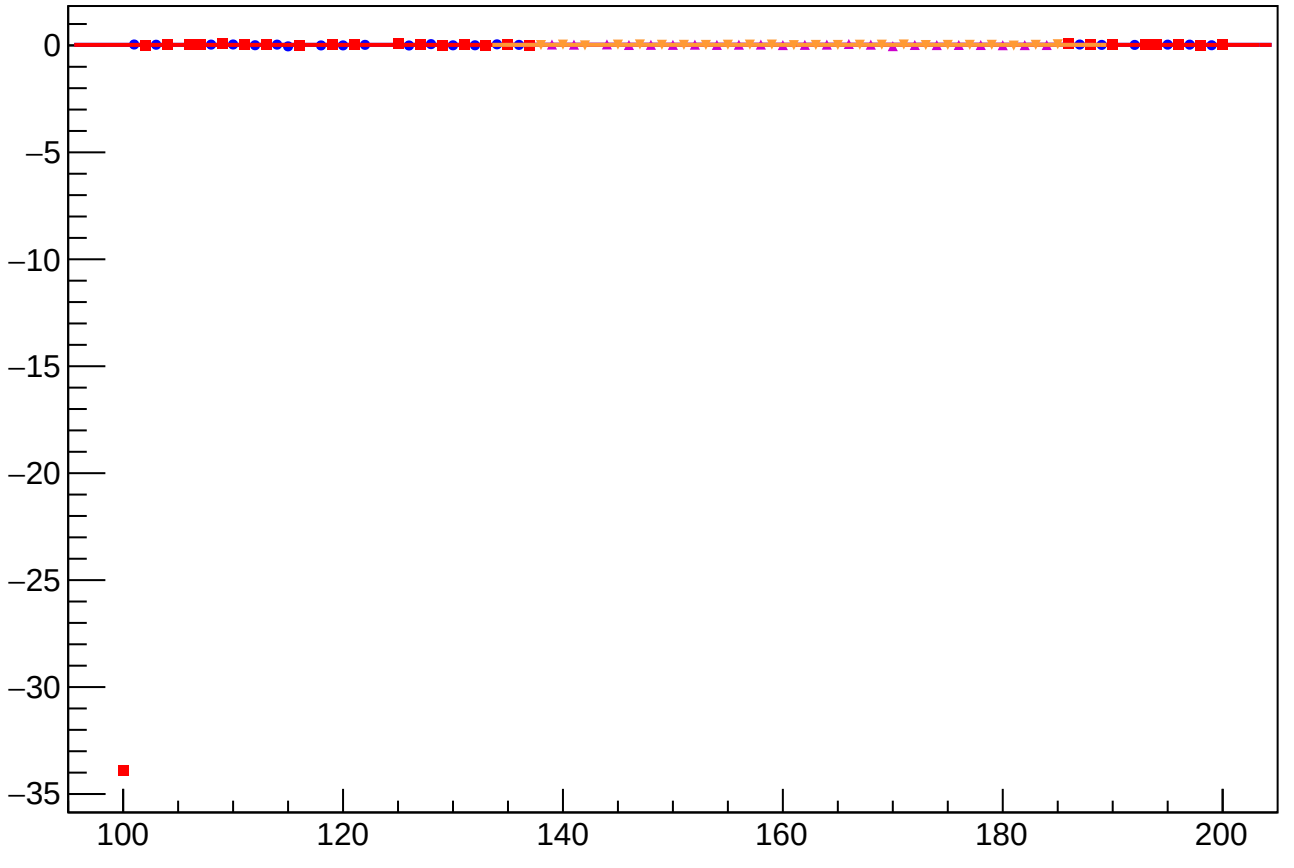
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.020+/-0.051 χ^2/NDF: 90.4/47

In: -0.040+/-0.042 χ^2/NDF:97.3/44

Out: -0.028+/-0.040 χ^2/NDF:83.0/49

All: -0.034+/-0.029 χ^2/NDF: 180.4/94



Right In: 0.027+/-0.004 χ^2/NDF: 18.6/21

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

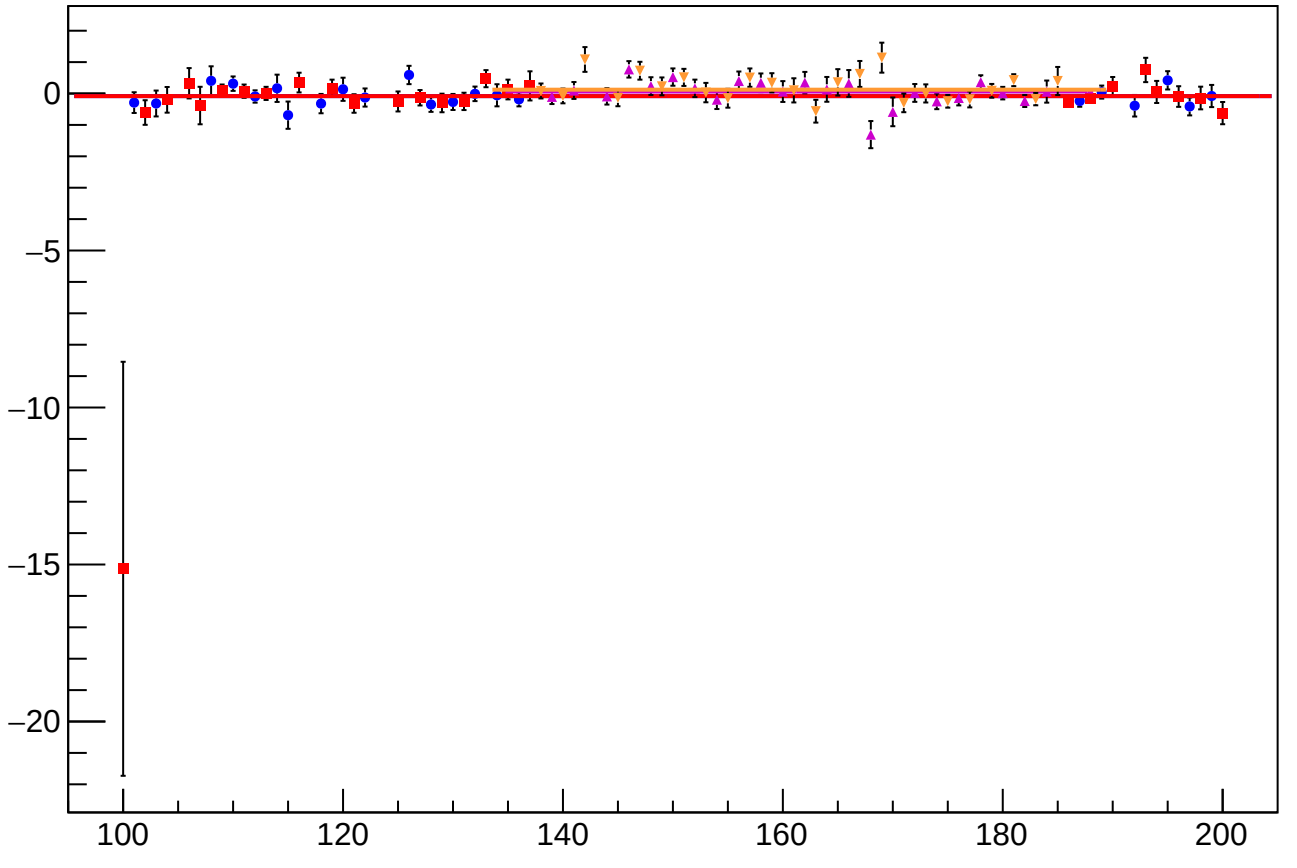
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.025+/-0.002 χ^2/NDF: 22325.4/47

In: 0.026+/-0.002 χ^2/NDF:58.1/44

Out: 0.026+/-0.002 χ^2/NDF:22338.3/49

All: 0.026+/-0.001 χ^2/NDF: 22396.4/94



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/21

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

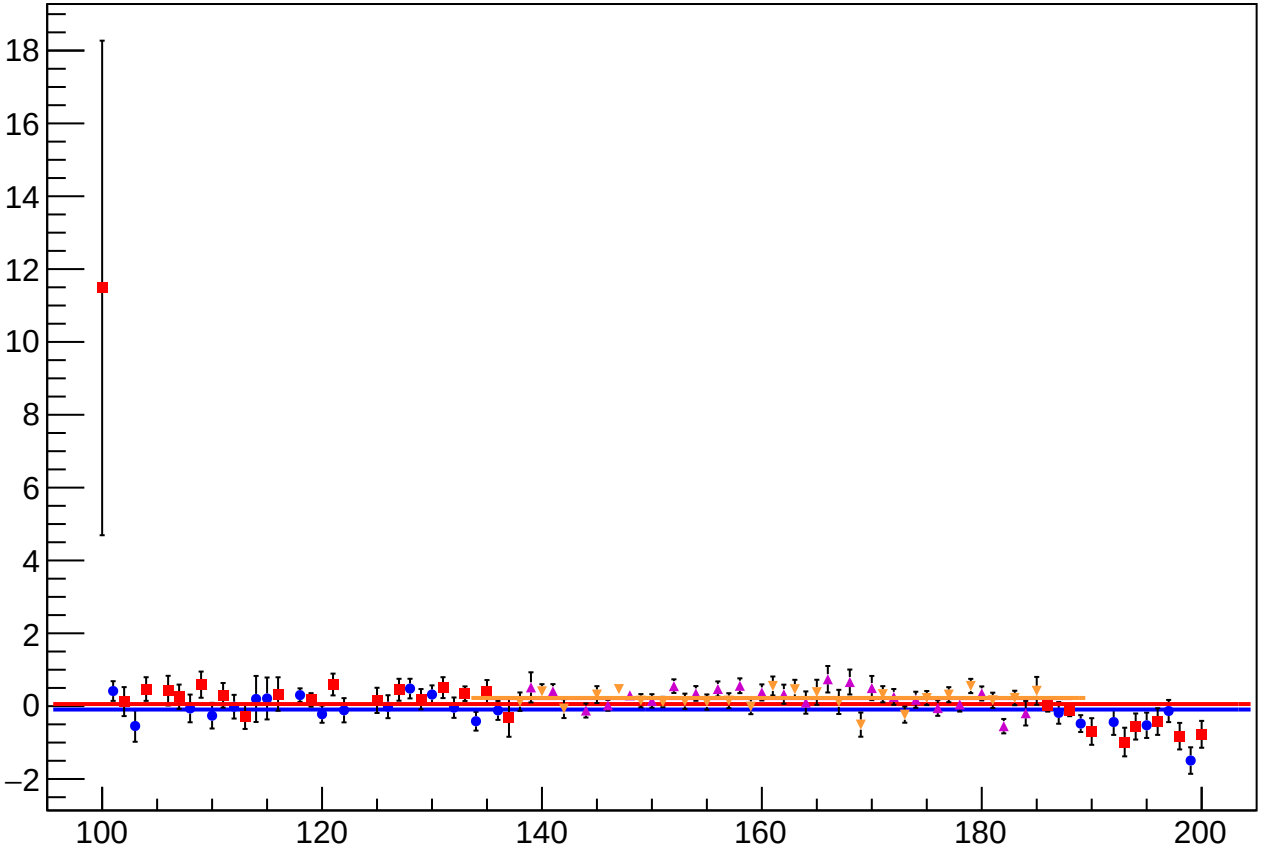
Right: -0.083+/-0.038 χ^2/NDF: 52.7/47

In: -0.008+/-0.041 χ^2/NDF:59.2/44

Out: 0.005+/-0.037 χ^2/NDF:78.0/49

All: -0.001+/-0.028 χ^2/NDF: 137.2/94

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.063 χ^2/NDF: 39.4/21

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

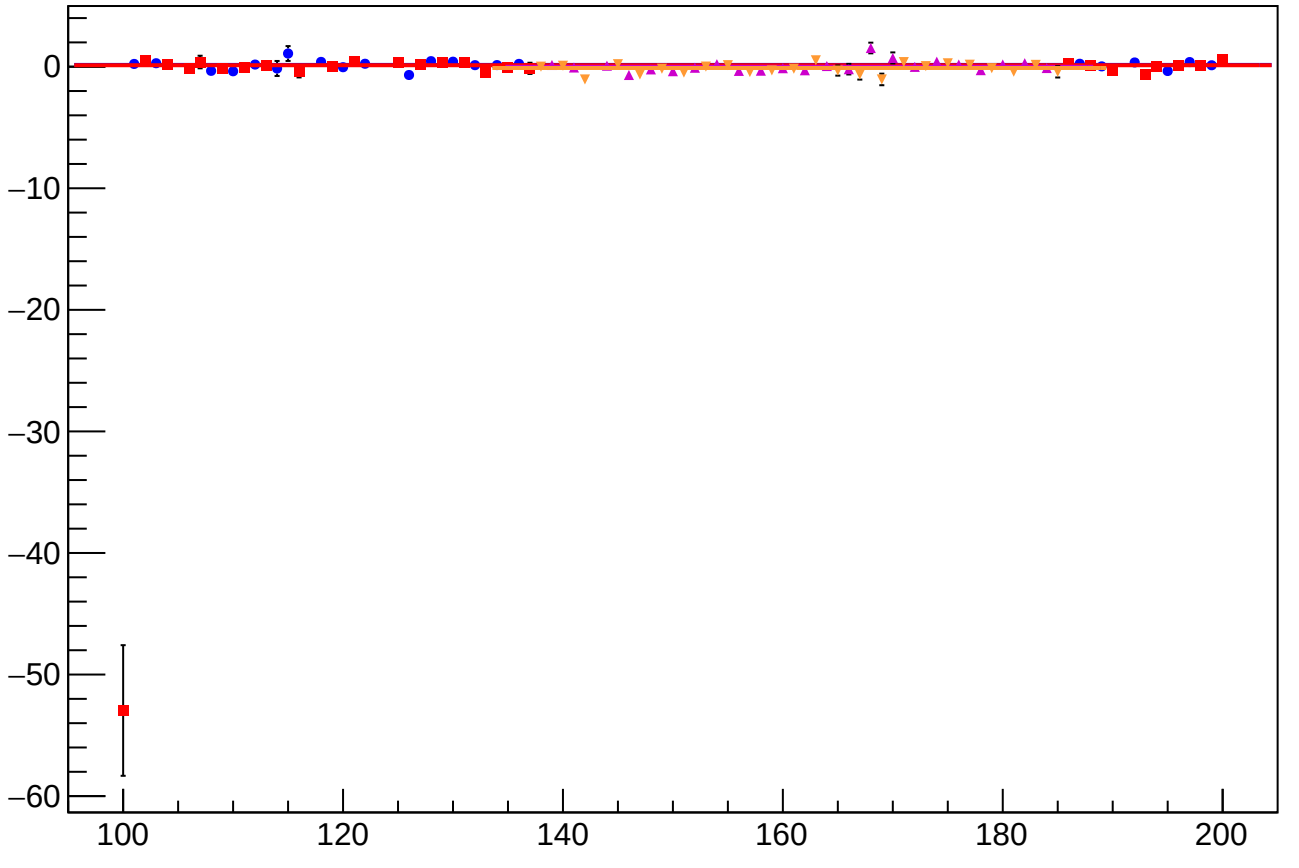
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.009+/-0.042 χ^2/NDF: 92.6/47

In: 0.117+/-0.036 χ^2/NDF:95.4/44

Out: 0.163+/-0.034 χ^2/NDF:79.7/49

All: 0.141+/-0.025 χ^2/NDF: 176.0/94



Right In: 0.147+/-0.059 χ^2/NDF: 21.9/21

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

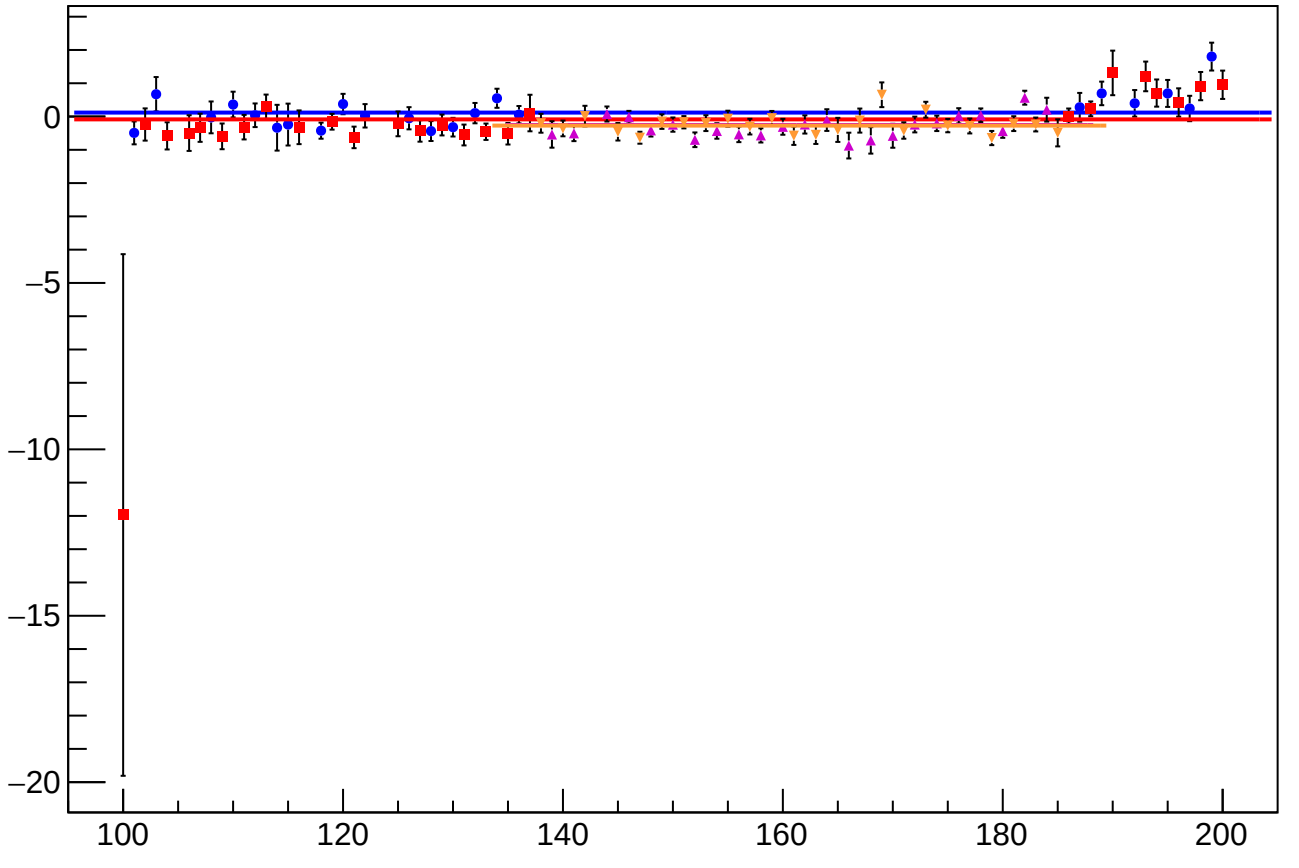
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.132+/-0.037 χ^2/NDF: 142.5/47

In: 0.067+/-0.041 χ^2/NDF:63.6/44

Out: 0.029+/-0.036 χ^2/NDF:167.6/49

All: 0.046+/-0.027 χ^2/NDF: 231.7/94



Right In: 0.119+/-0.074 χ^2/NDF: 41.5/21

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

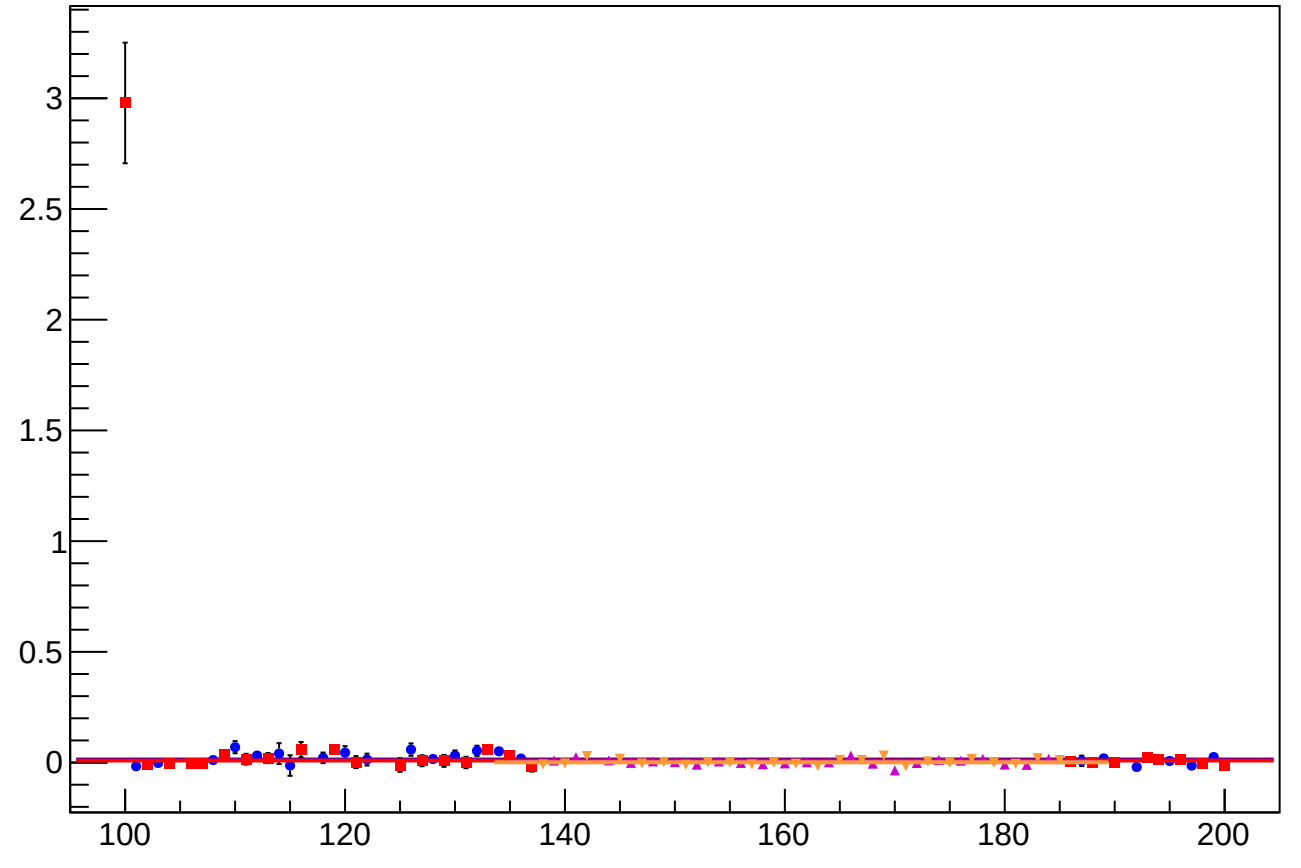
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.009+/-0.051 χ^2/NDF: 96.3/47

In: -0.137+/-0.042 χ^2/NDF:99.3/44

Out: -0.209+/-0.040 χ^2/NDF:80.5/49

All: -0.175+/-0.029 χ^2/NDF: 181.3/94



Right In: 0.014+/-0.004 χ^2/NDF: 37.9/21

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

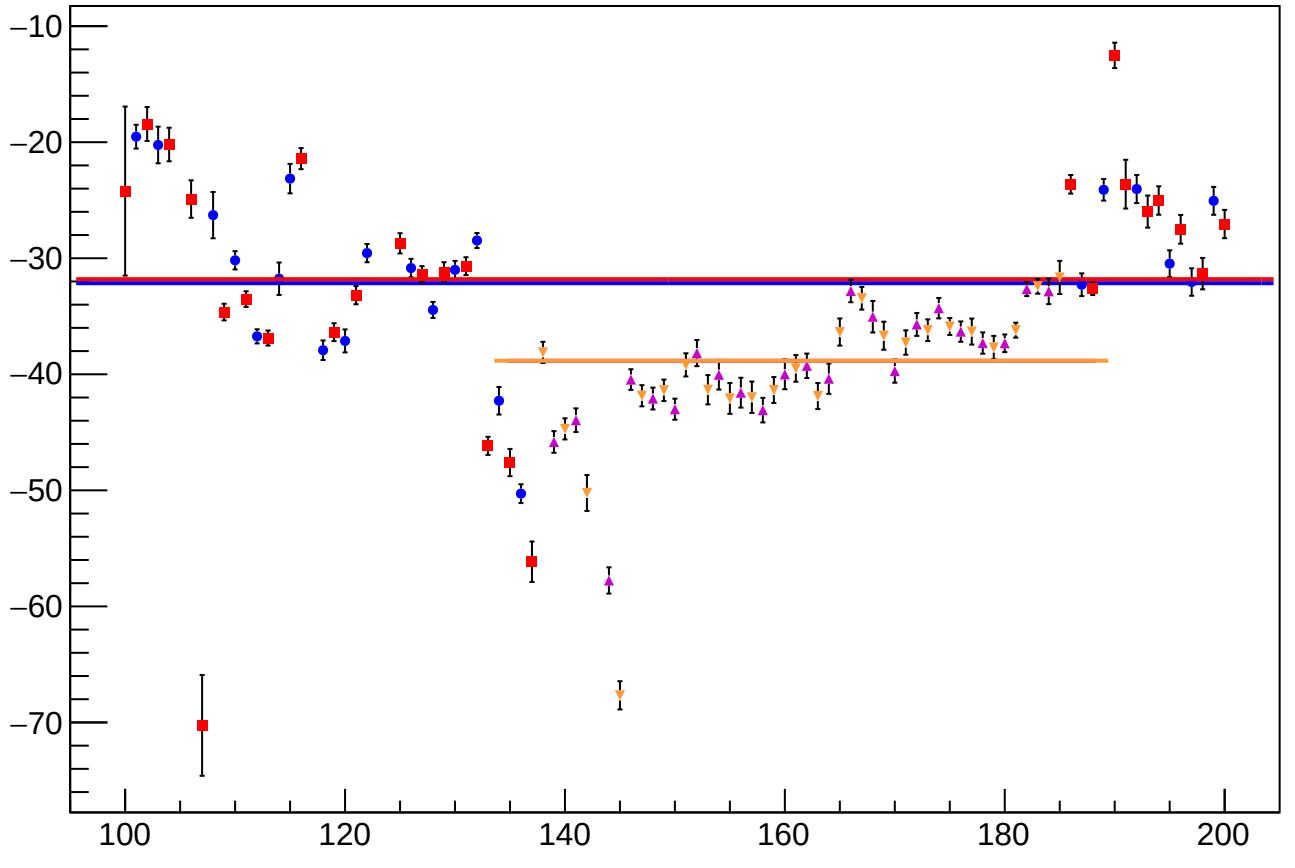
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.003 χ^2/NDF: 187.3/47

In: 0.005+/-0.002 χ^2/NDF:69.5/44

Out: 0.004+/-0.002 χ^2/NDF:179.5/49

All: 0.004+/-0.001 χ^2/NDF: 249.4/94



Right In: -32.150+/-0.196 χ^2/NDF: 1192.0/21

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

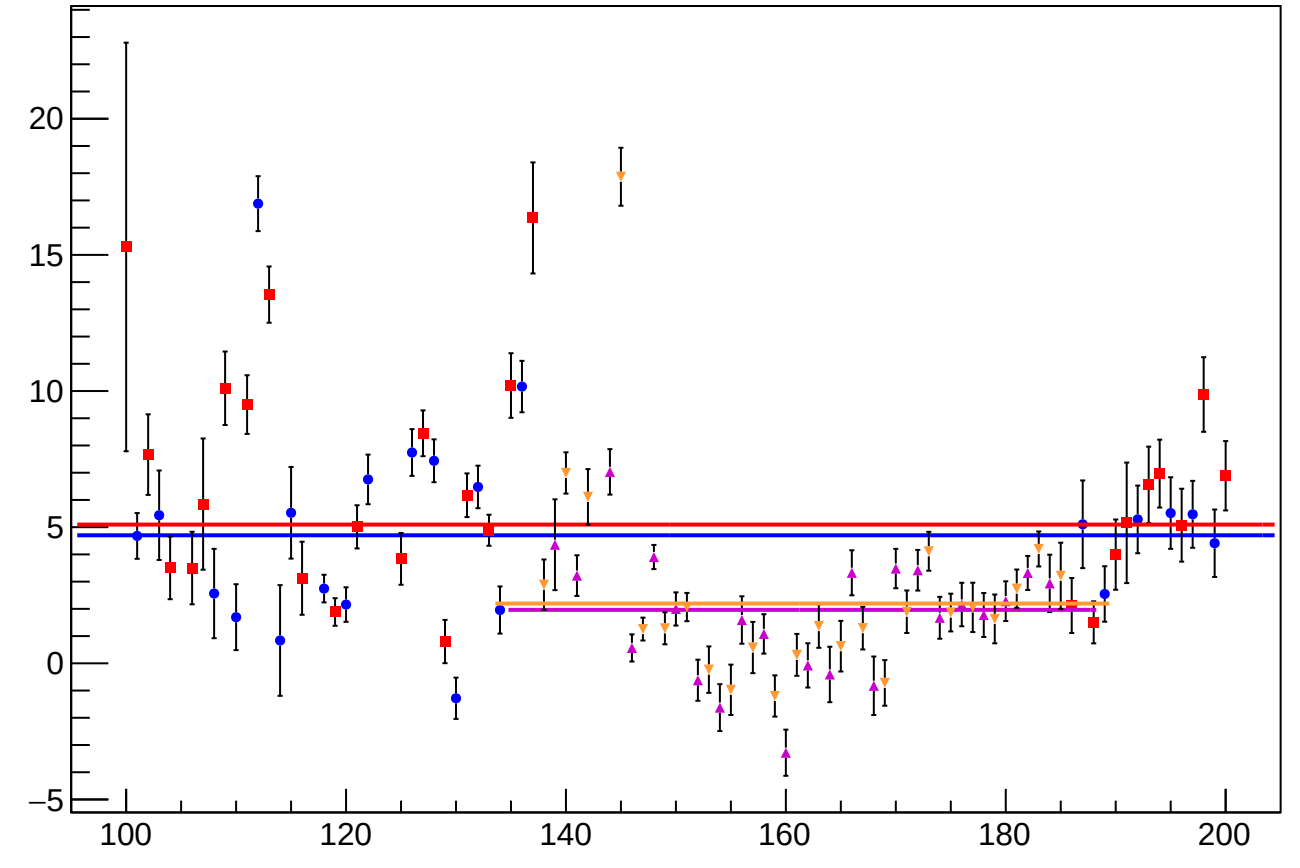
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.962+/-0.133 χ^2/NDF: 2929.9/48

In: -35.366+/-0.141 χ^2/NDF:2406.5/44

Out: -34.924+/-0.135 χ^2/NDF:3325.4/50

All: -35.134+/-0.097 χ^2/NDF: 5737.0/95



Right In: 4.702+/-0.201 χ^2/NDF: 335.2/21

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

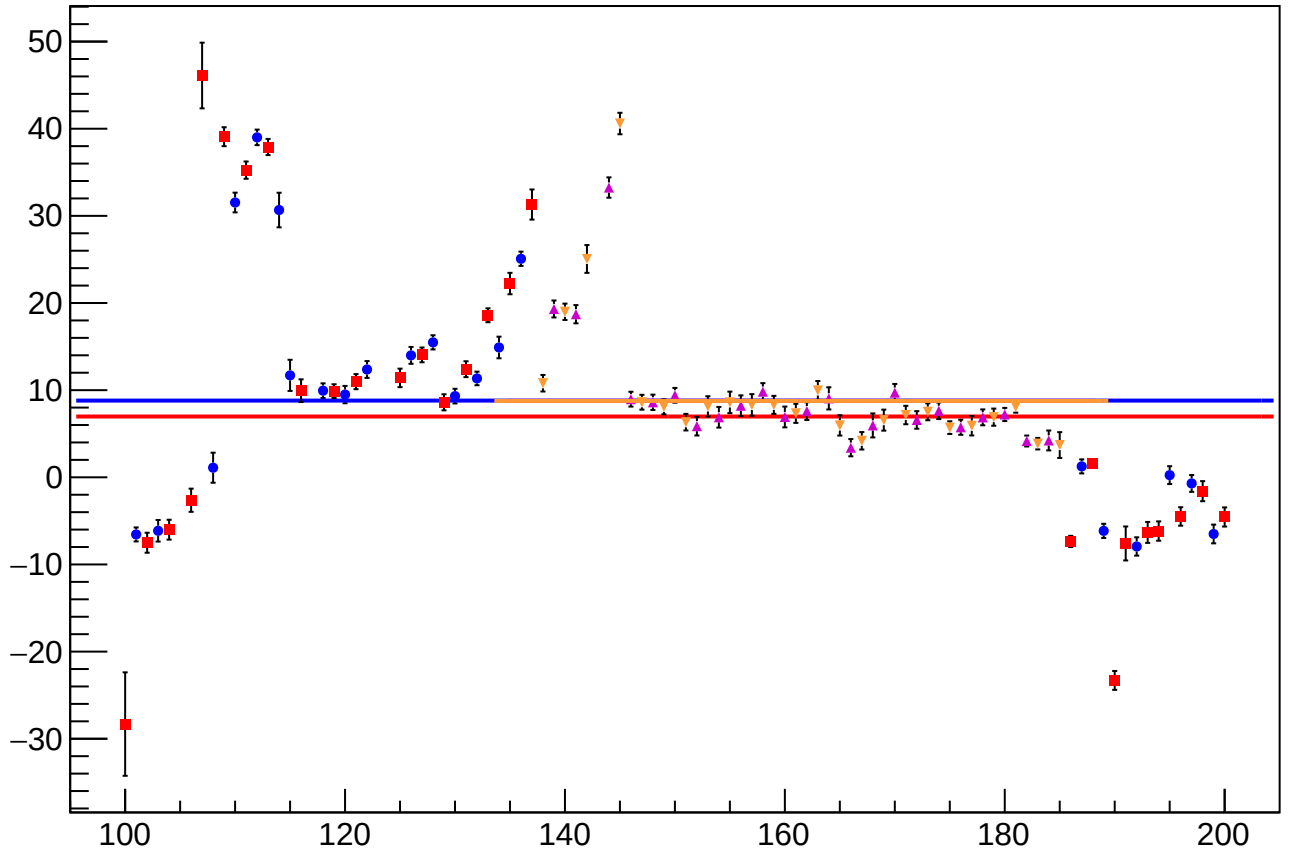
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.905+/-0.140 χ^2/NDF: 631.5/48

In: 2.982+/-0.123 χ^2/NDF:624.8/44

Out: 3.295+/-0.120 χ^2/NDF:797.1/50

All: 3.142+/-0.086 χ^2/NDF: 1425.3/95



Right In: 8.804+/-0.207 χ^2/NDF: 3799.7/21

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

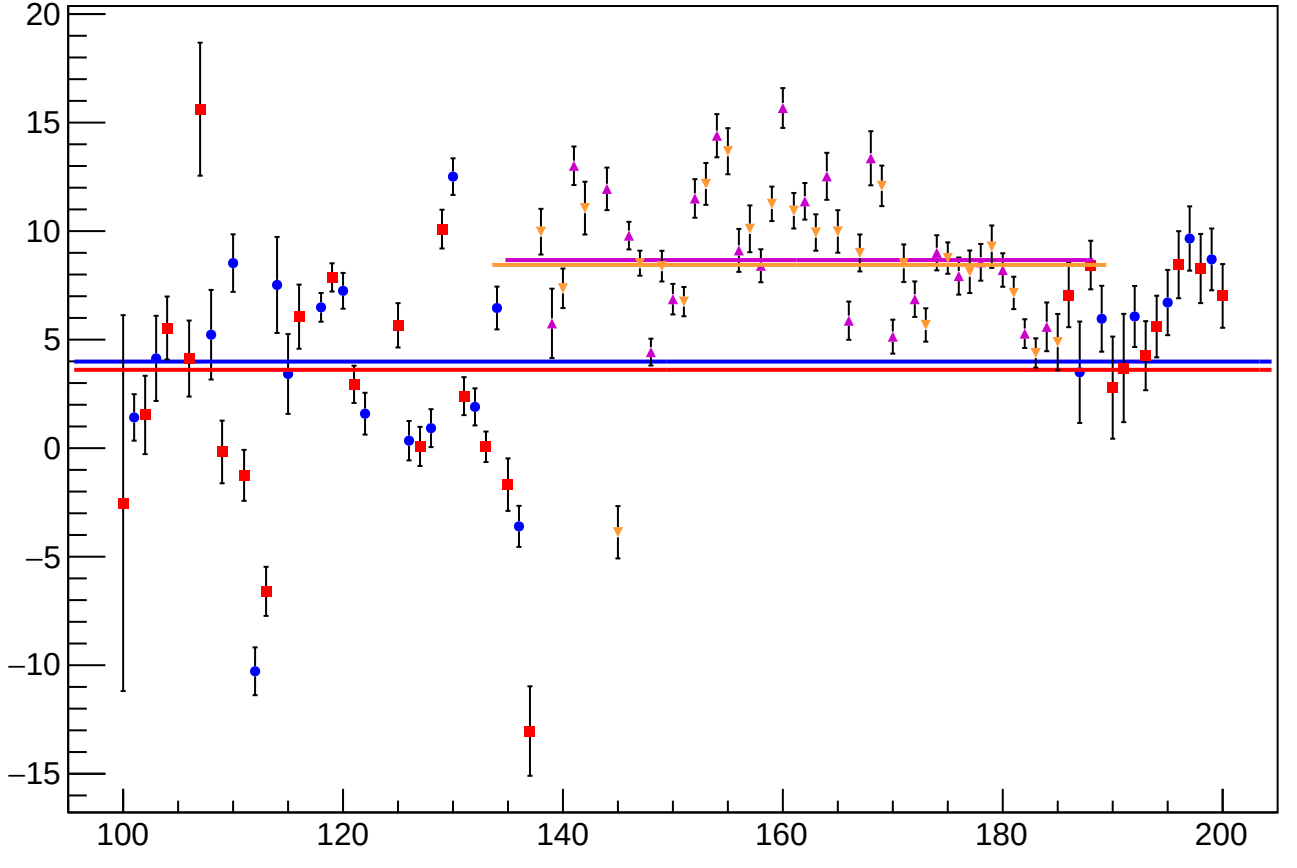
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 7.797+/-0.139 χ^2/NDF: 9890.0/48

In: 8.788+/-0.144 χ^2/NDF:4594.8/44

Out: 7.809+/-0.137 χ^2/NDF:7125.3/50

All: 8.272+/-0.099 χ^2/NDF: 11744.4/95



Right In: 3.990+/-0.235 χ^2/NDF: 464.5/21

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

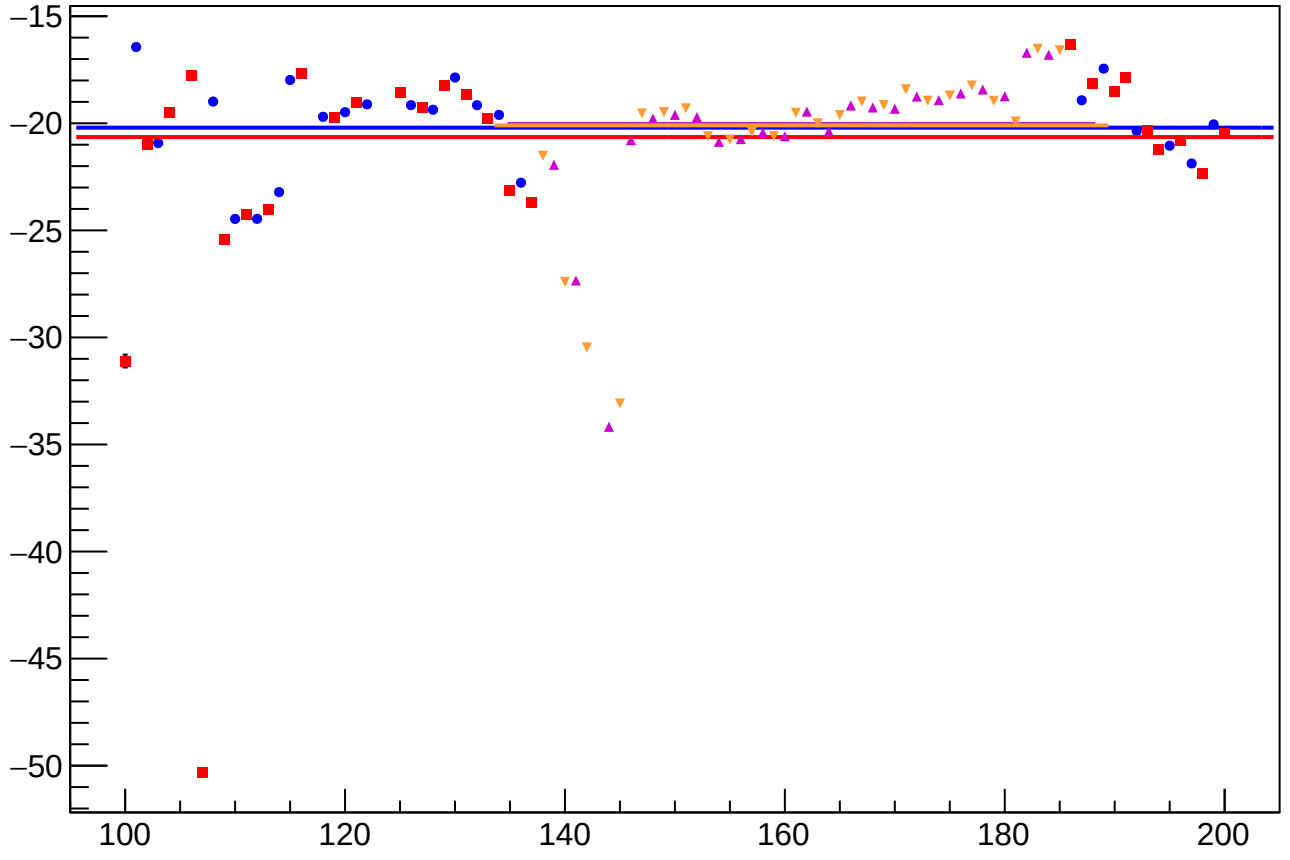
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.796+/-0.165 χ^2/NDF: 870.6/48

In: 6.993+/-0.141 χ^2/NDF:1022.9/44

Out: 6.691+/-0.139 χ^2/NDF:950.1/50

All: 6.840+/-0.099 χ^2/NDF: 1975.3/95



Right In: -20.203+/-0.013 χ^2/NDF: 23758.9/21

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

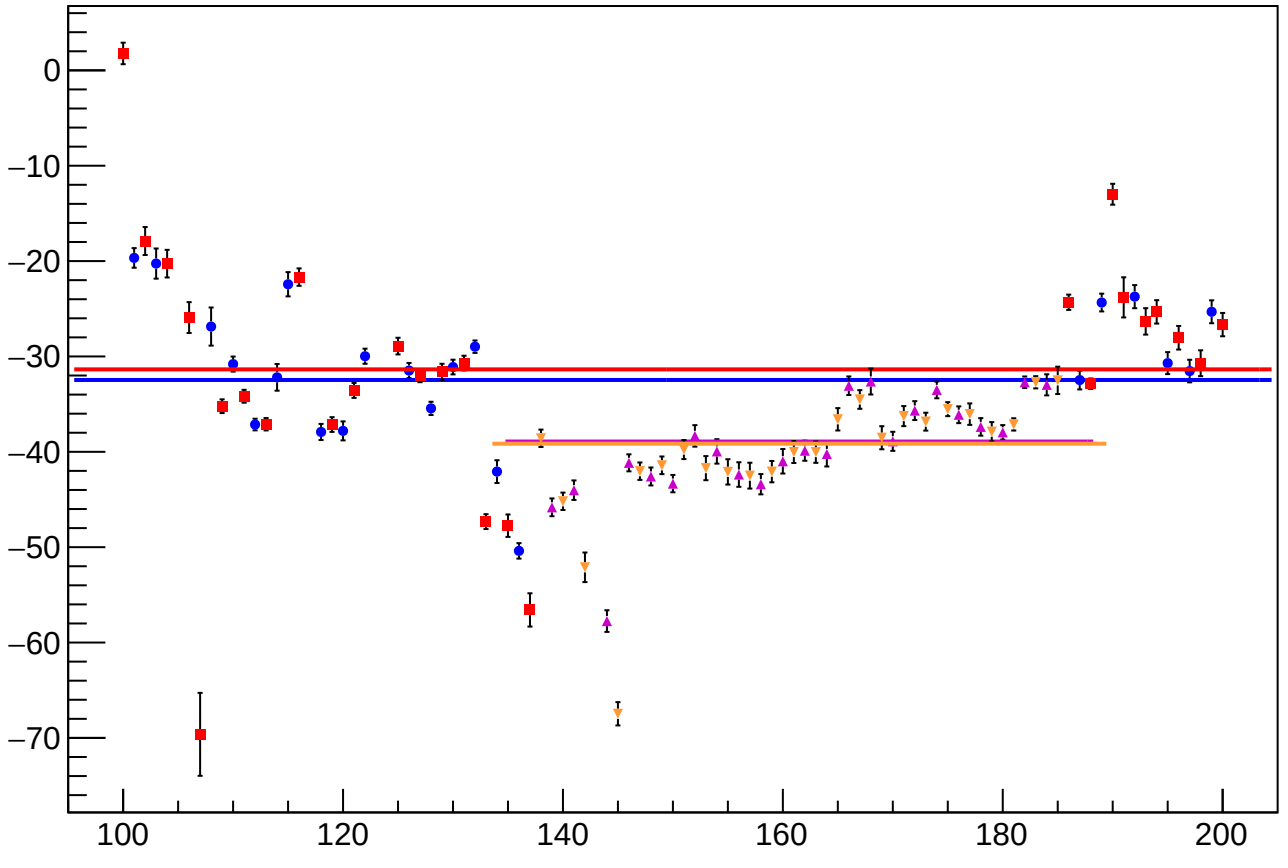
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

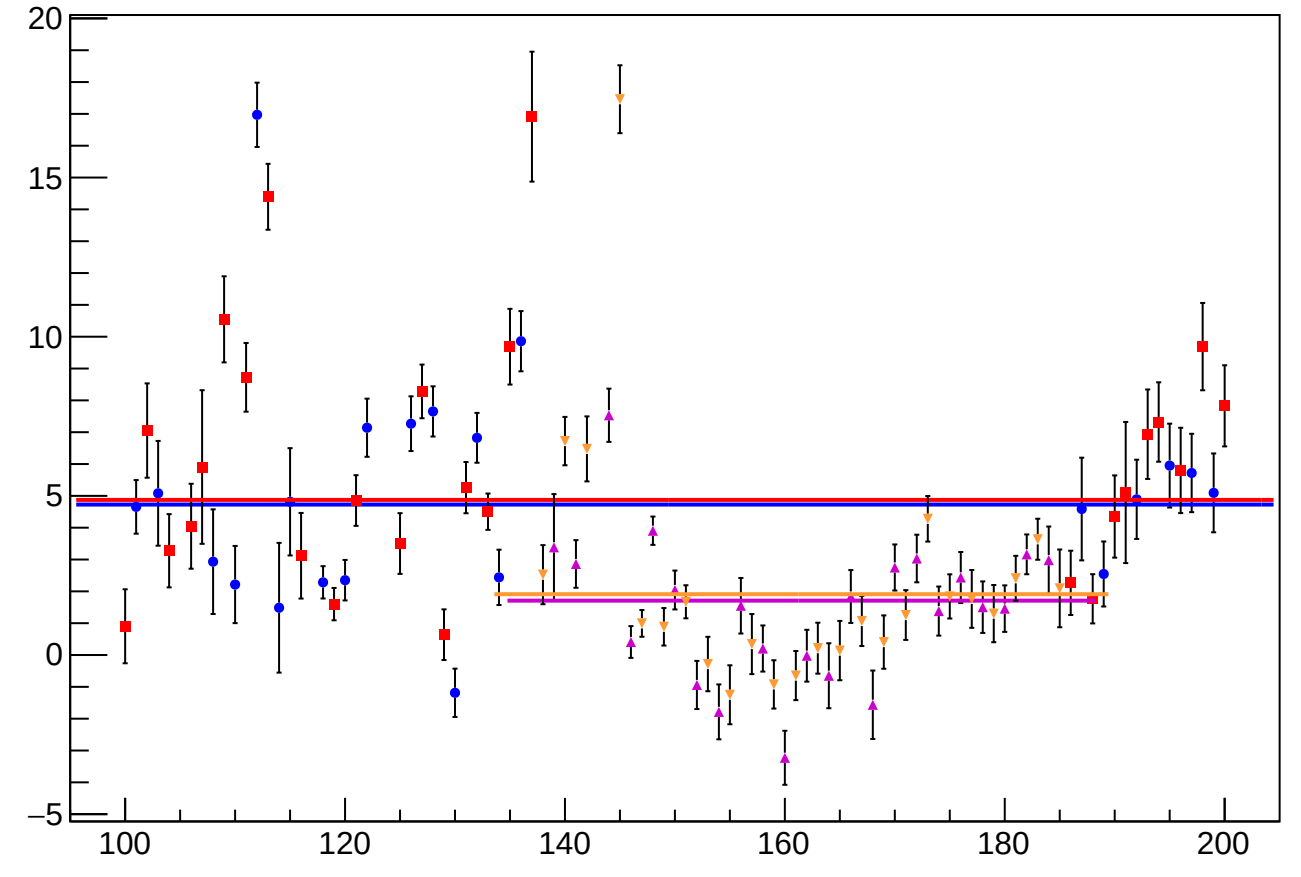
Right: -20.435+/-0.009 χ^2/NDF: 90620.0/48

In: -20.084+/-0.007 χ^2/NDF:156175.1/44

Out: -20.263+/-0.007 χ^2/NDF:226971.7/50

All: -20.175+/-0.005 χ^2/NDF: 383510.0/95


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -32.466+/-0.196 χ²/NDF: 1198.7/21
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.353+/-0.179 χ²/NDF: 2663.2/26
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.858+/-0.132 χ²/NDF: 3879.5/48
In: -35.571+/-0.141 χ²/NDF:2403.9/44
Out: -34.768+/-0.134 χ²/NDF:4395.1/50
All: -35.148+/-0.097 χ²/NDF: 6816.0/95



Right In: 4.727+/-0.202 χ^2/NDF: 331.9/21

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

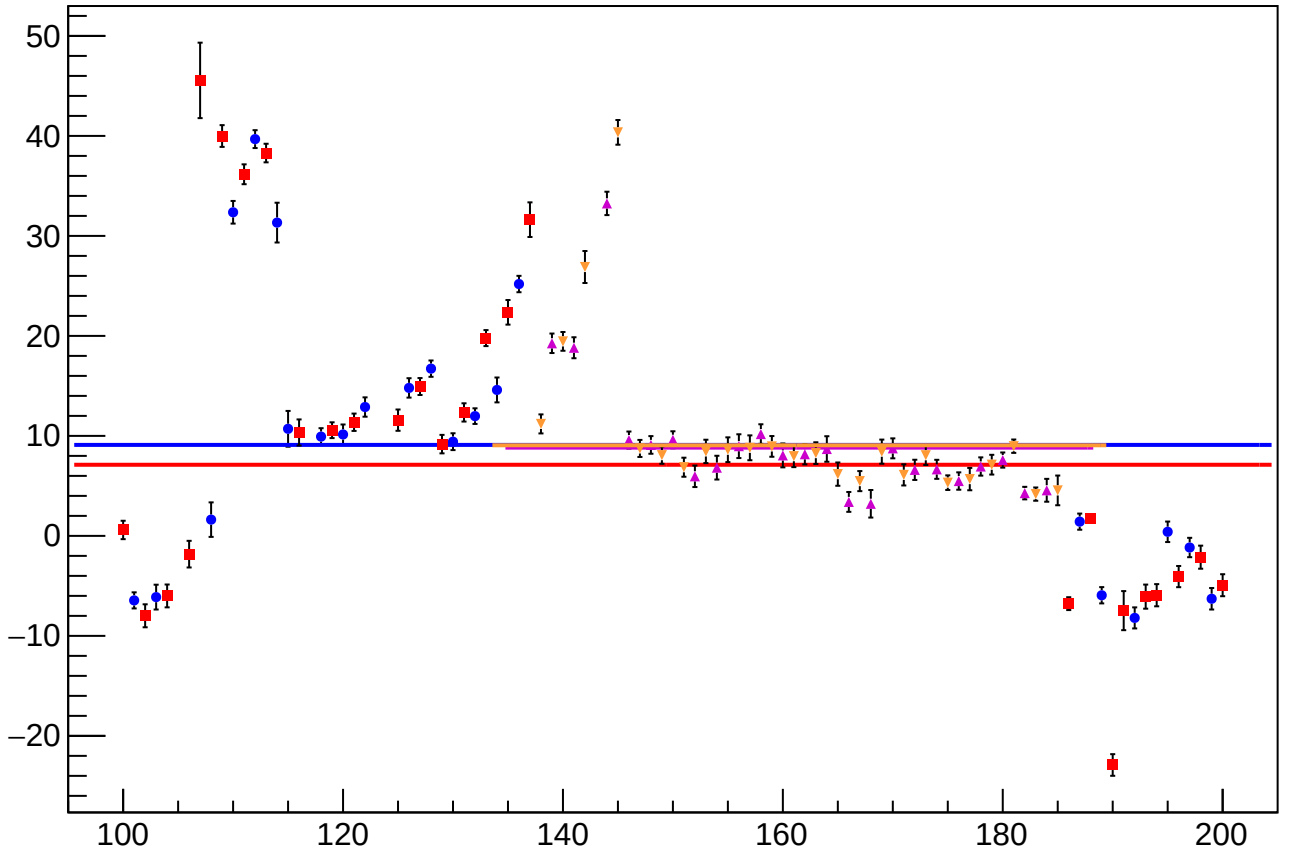
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.804+/-0.139 χ^2/NDF: 652.4/48

In: 2.830+/-0.123 χ^2/NDF:655.4/44

Out: 3.053+/-0.120 χ^2/NDF:825.1/50

All: 2.945+/-0.086 χ^2/NDF: 1482.2/95



Right In: 9.099+/-0.208 χ^2/NDF: 3910.5/21

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

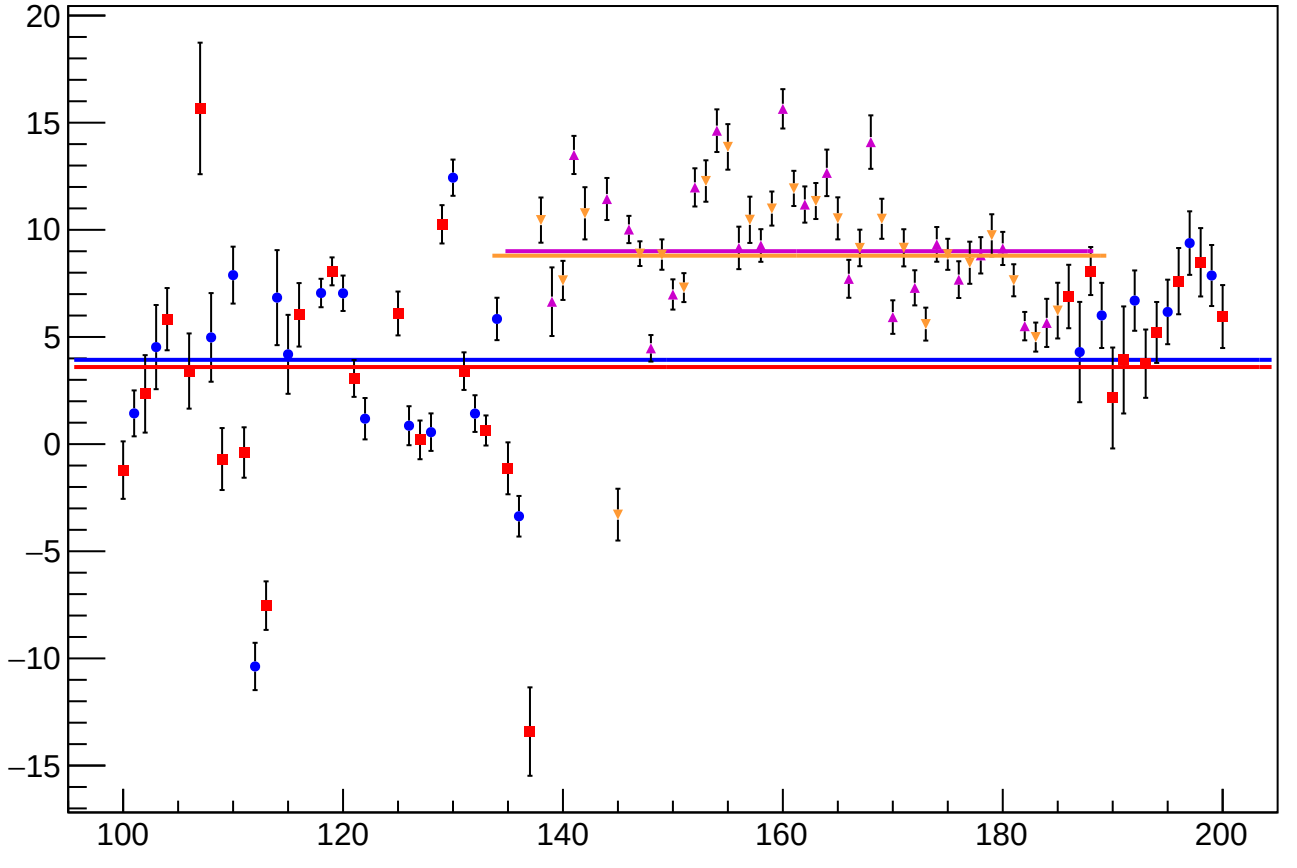
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 7.985+/-0.138 χ^2/NDF: 10143.8/48

In: 8.958+/-0.145 χ^2/NDF:4712.8/44

Out: 8.001+/-0.136 χ^2/NDF:7266.7/50

All: 8.448+/-0.099 χ^2/NDF: 12002.8/95



Right In: 3.933+/-0.236 χ^2/NDF: 457.0/21

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.597+/-0.227 χ^2/NDF: 416.0/26

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

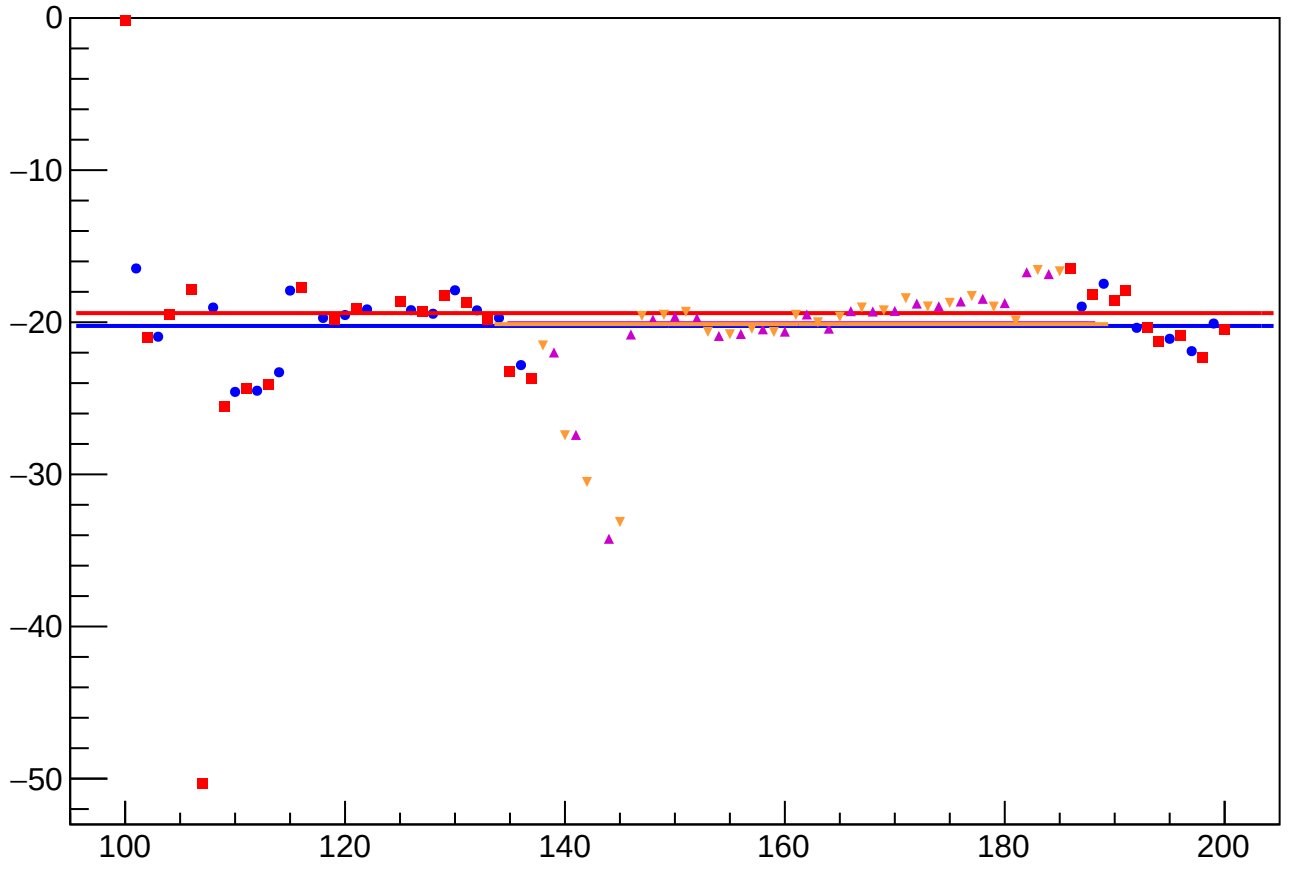
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.759+/-0.164 χ^2/NDF: 874.0/48

In: 7.190+/-0.141 χ^2/NDF:1043.5/44

Out: 6.876+/-0.138 χ^2/NDF:989.6/50

All: 7.030+/-0.099 χ^2/NDF: 2035.6/95



Right In: -20.243+/-0.013 χ^2/NDF: 23767.4/21

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

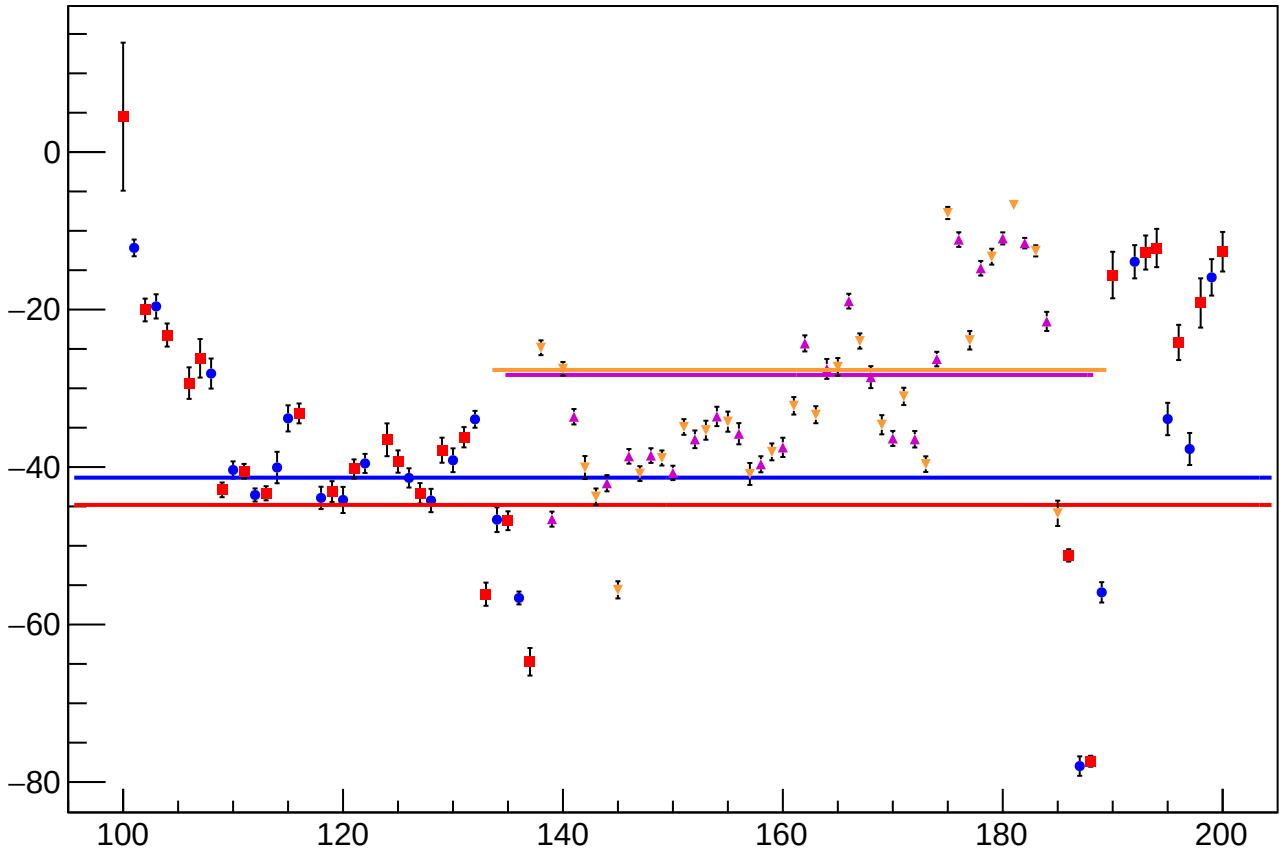
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.784+/-0.009 χ^2/NDF: 272565.0/48

In: -20.114+/-0.007 χ^2/NDF:156602.9/44

Out: -19.892+/-0.007 χ^2/NDF:407614.4/50

All: -20.000+/-0.005 χ^2/NDF: 564778.8/95



Right In: -41.346+/-0.283 χ^2/NDF: 2766.0/21

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

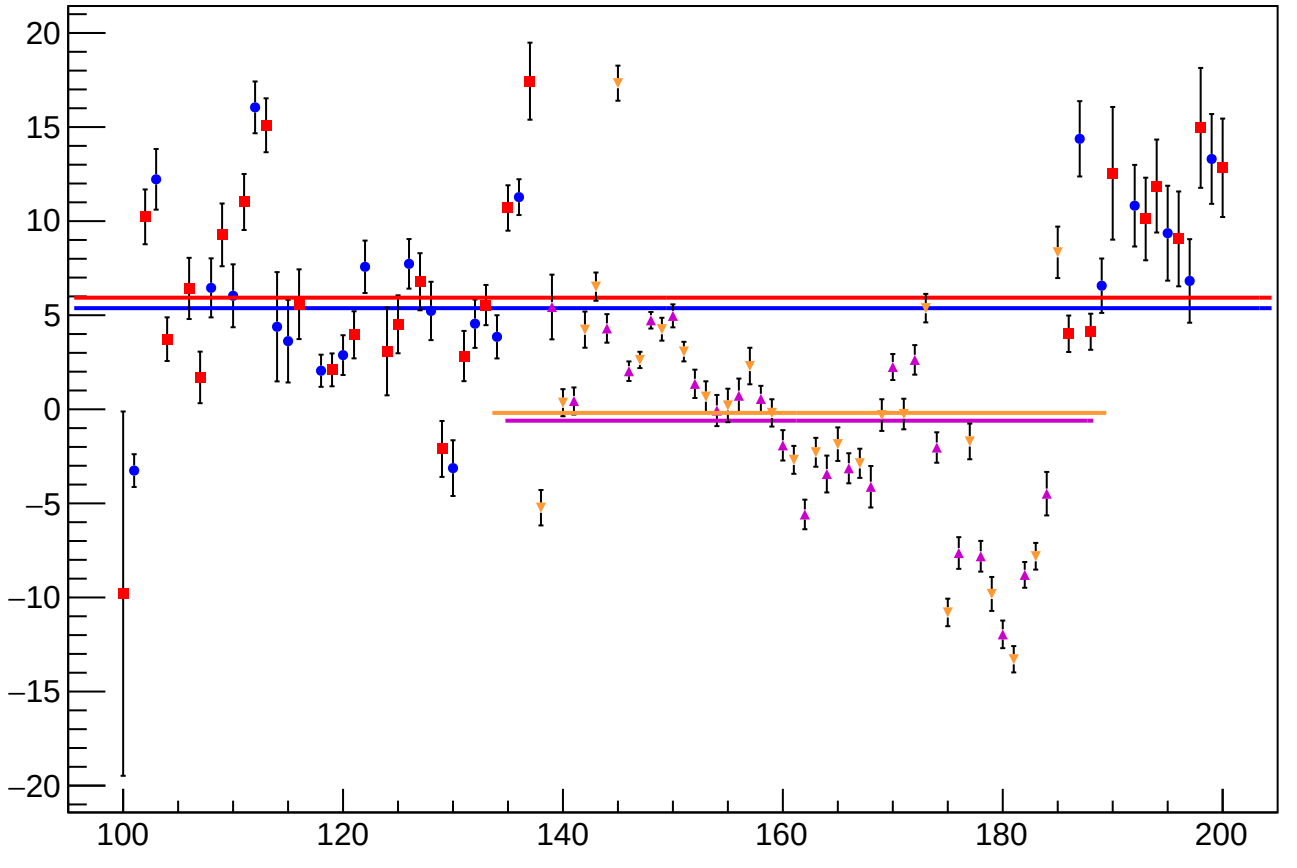
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -43.250+/-0.190 χ^2/NDF: 6987.5/48

In: -32.819+/-0.166 χ^2/NDF:7430.7/44

Out: -34.181+/-0.158 χ^2/NDF:11314.3/51

All: -33.535+/-0.115 χ^2/NDF: 18780.3/96



Right In: 5.375+/-0.295 χ^2/NDF: 318.9/21

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

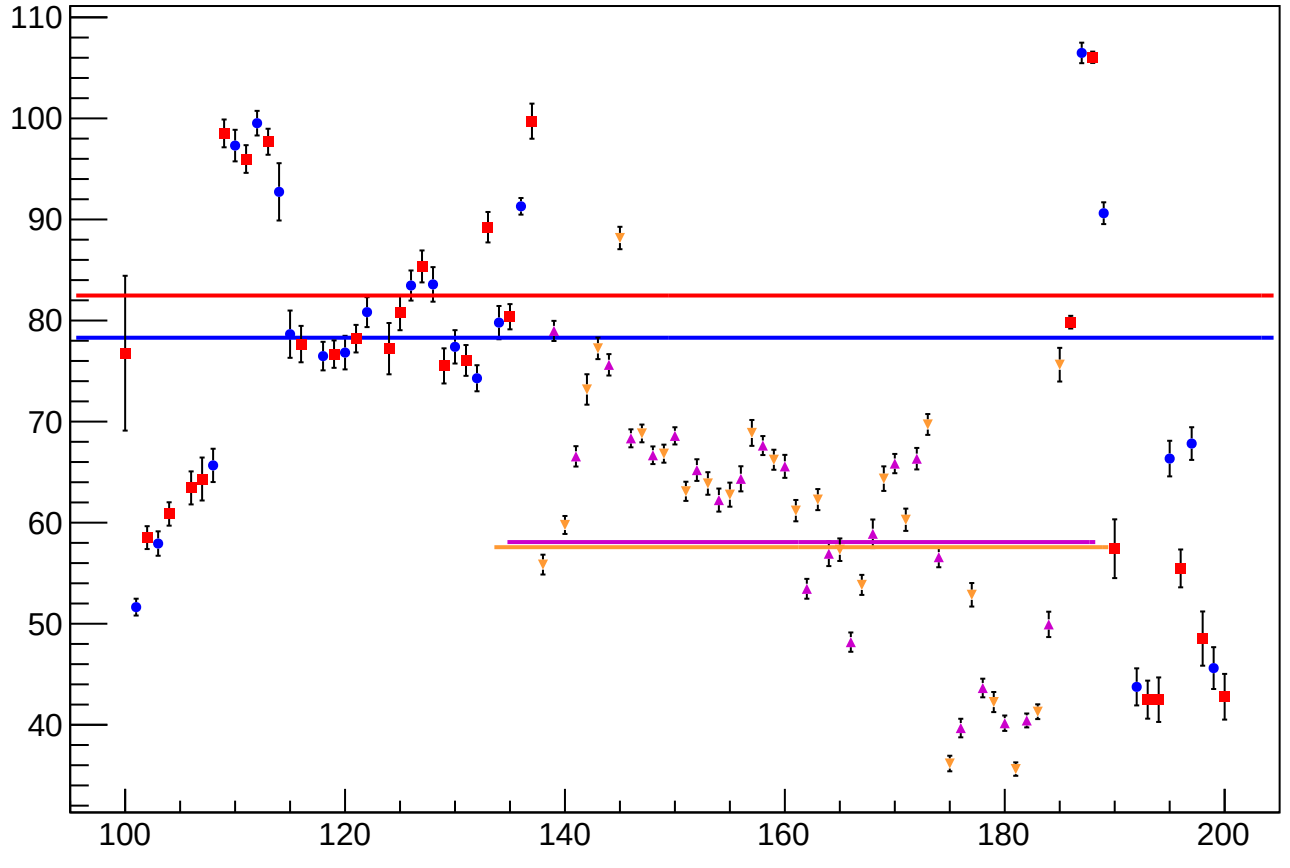
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.666+/-0.204 χ^2/NDF: 545.4/48

In: 0.691+/-0.137 χ^2/NDF:1615.5/44

Out: 1.157+/-0.133 χ^2/NDF:2136.6/51

All: 0.932+/-0.095 χ^2/NDF: 3758.1/96



Right In: 78.299+/-0.290 χ^2/NDF: 3728.3/21

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

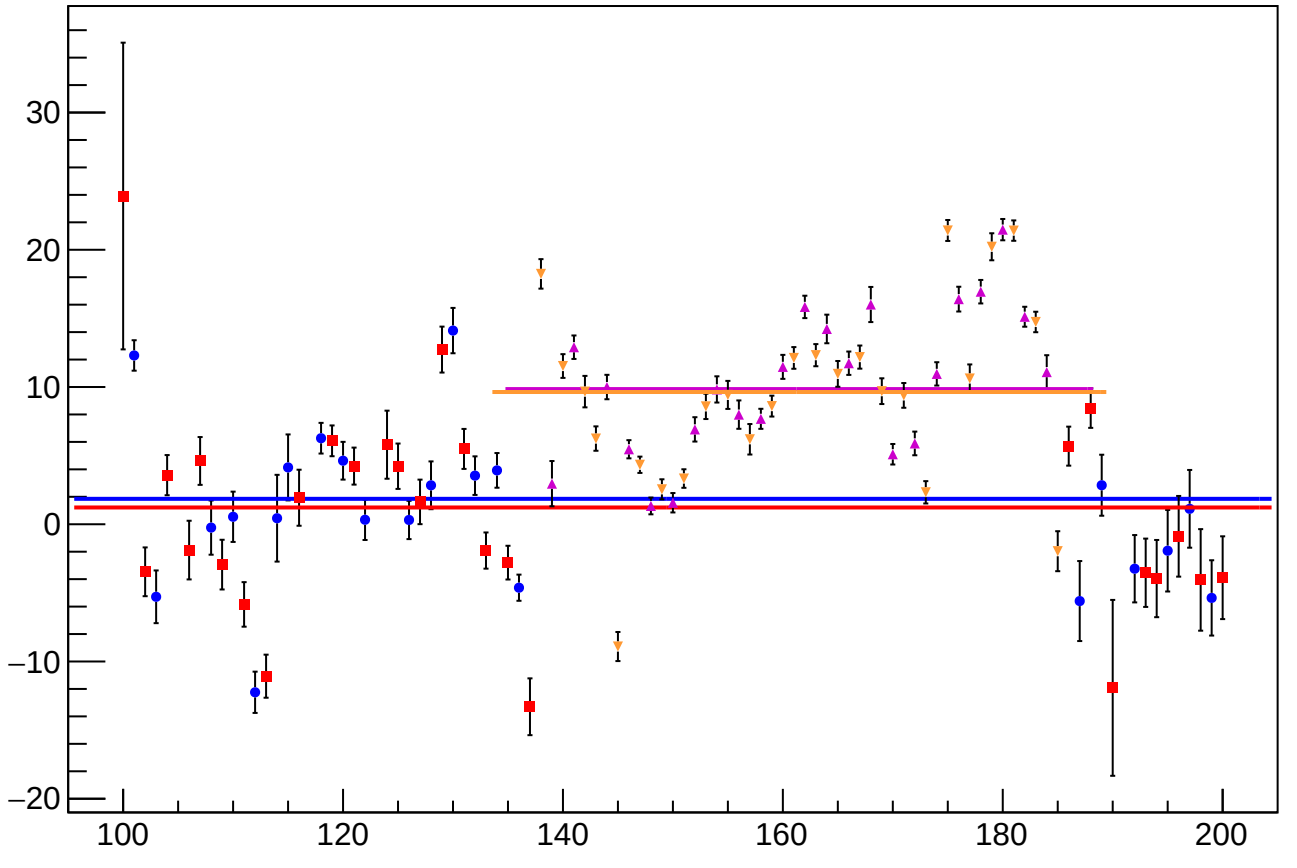
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 80.645+/-0.192 χ^2/NDF: 8754.0/48

In: 64.746+/-0.167 χ^2/NDF:10542.6/44

Out: 66.941+/-0.157 χ^2/NDF:15487.0/51

All: 65.907+/-0.114 χ^2/NDF: 26121.5/96



Right In: 1.853+/-0.344 χ^2/NDF: 340.4/21

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

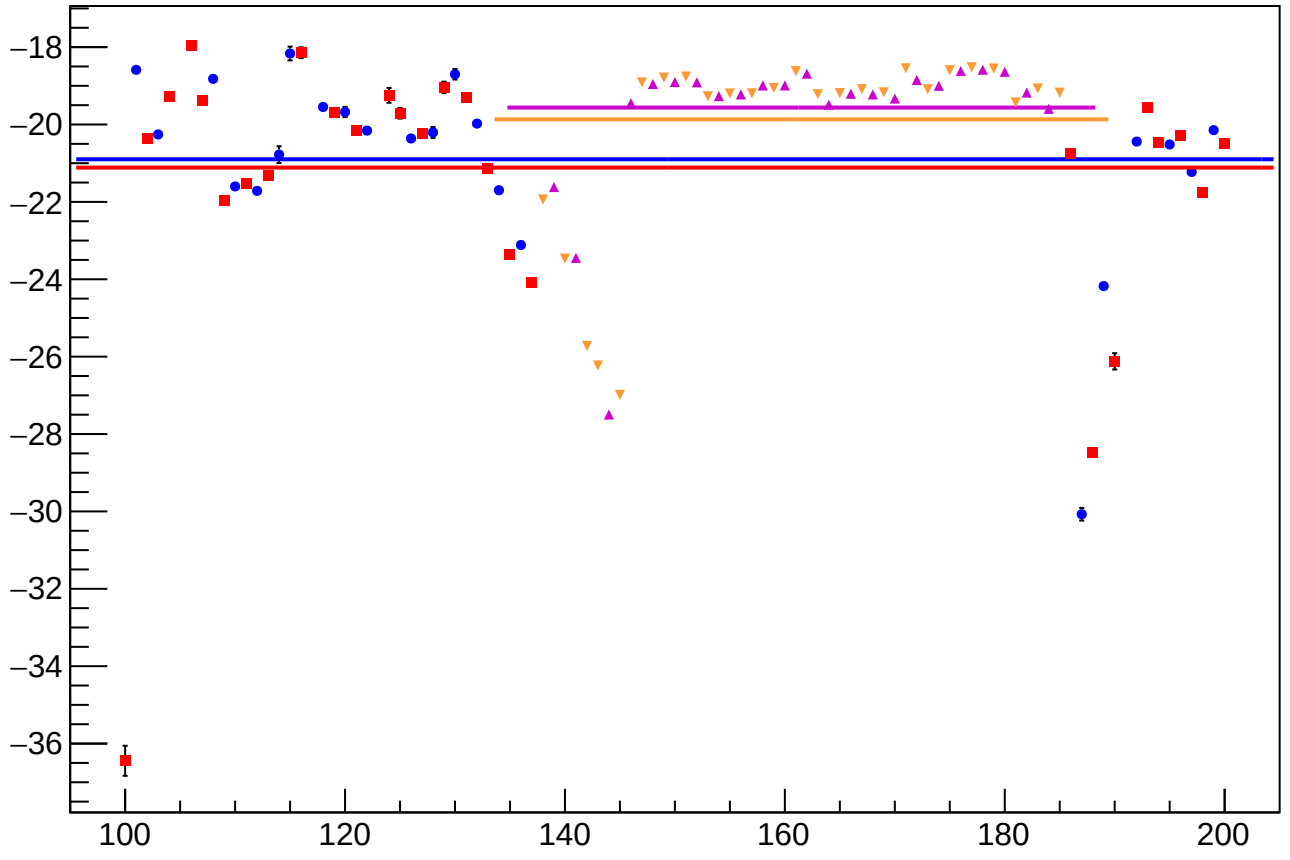
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.531+/-0.241 χ^2/NDF: 651.2/48

In: 8.187+/-0.157 χ^2/NDF:1761.1/44

Out: 7.906+/-0.153 χ^2/NDF:2296.0/51

All: 8.043+/-0.109 χ^2/NDF: 4058.8/96



Right In: -20.898+/-0.017 χ^2/NDF: 12010.0/21

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

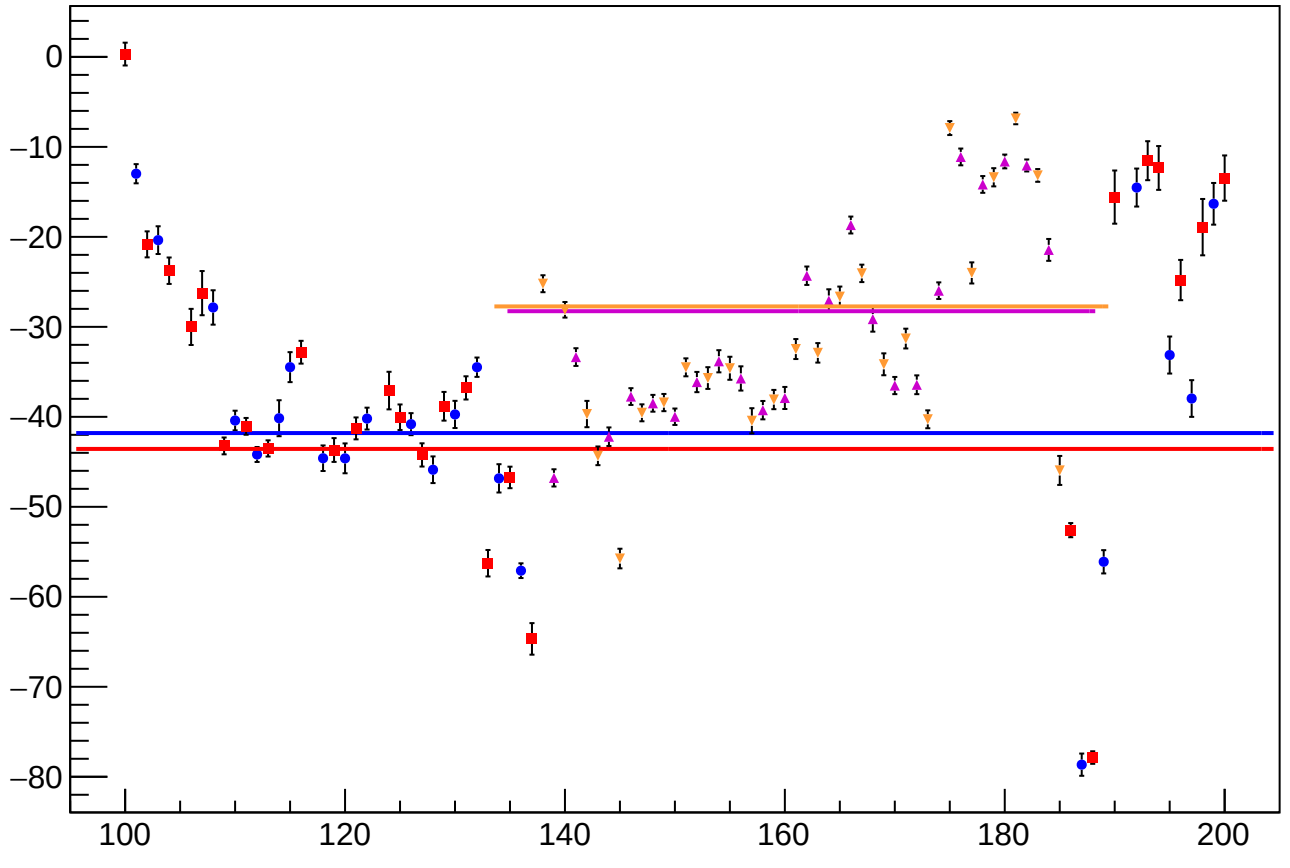
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.007+/-0.012 χ^2/NDF: 32088.6/48

In: -19.794+/-0.007 χ^2/NDF:62086.6/44

Out: -20.082+/-0.007 χ^2/NDF:103263.3/51

All: -19.940+/-0.005 χ^2/NDF: 166155.7/96



Right In: -41.803+/-0.283 χ^2/NDF: 2753.4/21

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

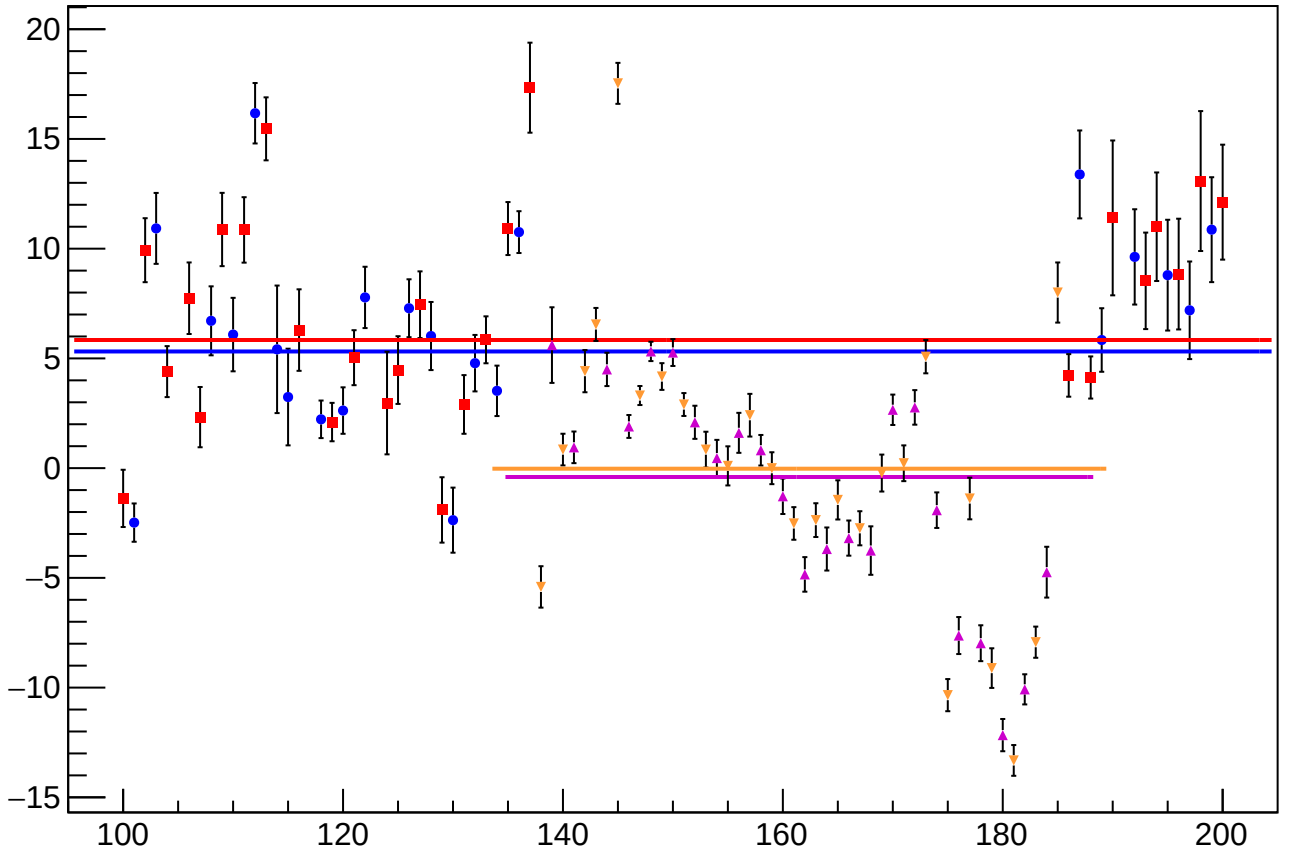
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

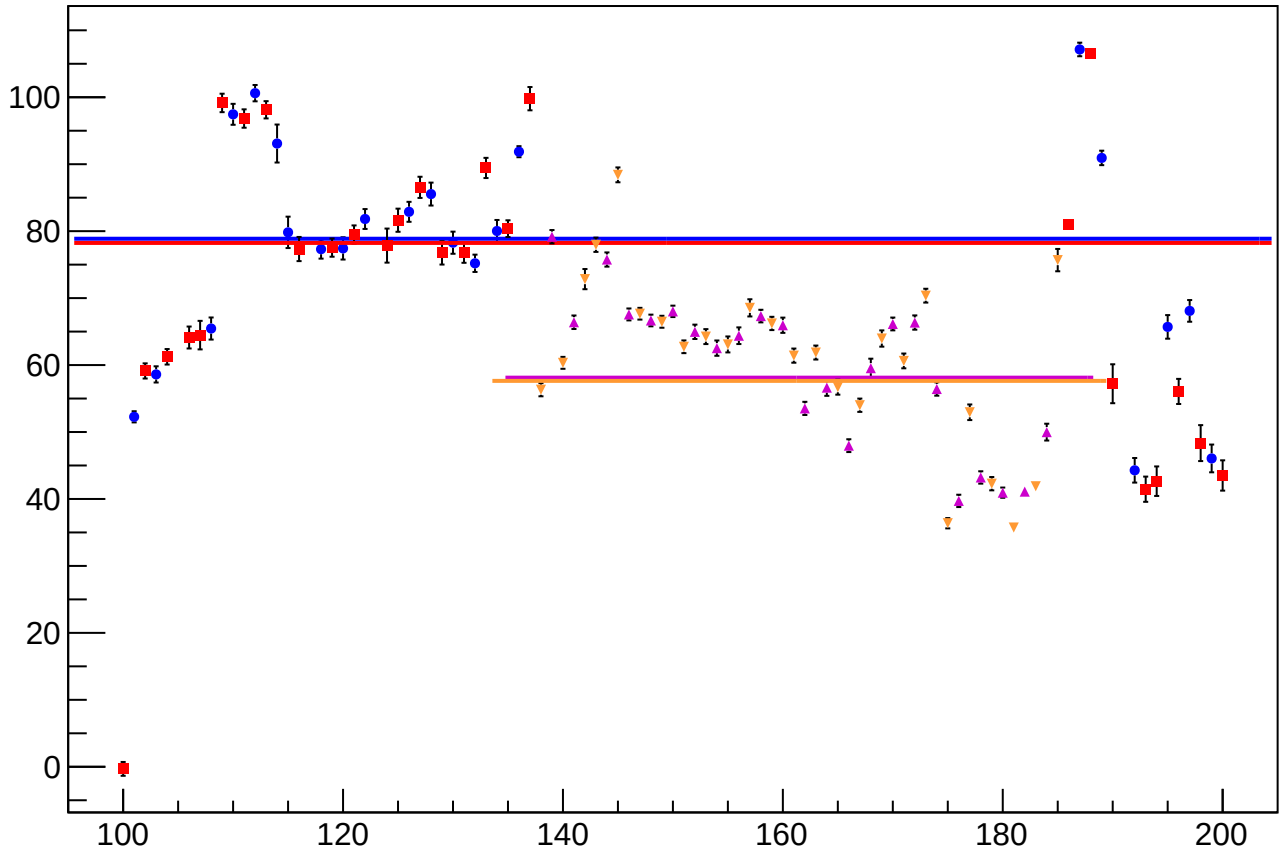
Right: -42.789+/-0.188 χ^2/NDF: 8162.7/48

In: -32.952+/-0.167 χ^2/NDF:7421.1/44

Out: -33.893+/-0.157 χ^2/NDF:12109.5/51

All: -33.451+/-0.114 χ^2/NDF: 19547.5/96


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: 5.316+/-0.295 χ²/NDF: 271.3/21
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: 5.595+/-0.202 χ²/NDF: 516.1/48
In: 0.837+/-0.138 χ²/NDF:1649.1/44
Out: 1.312+/-0.132 χ²/NDF:2122.0/51
All: 1.084+/-0.095 χ²/NDF: 3777.4/96



Right In: 78.868+/-0.291 χ^2/NDF: 3739.8/21

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

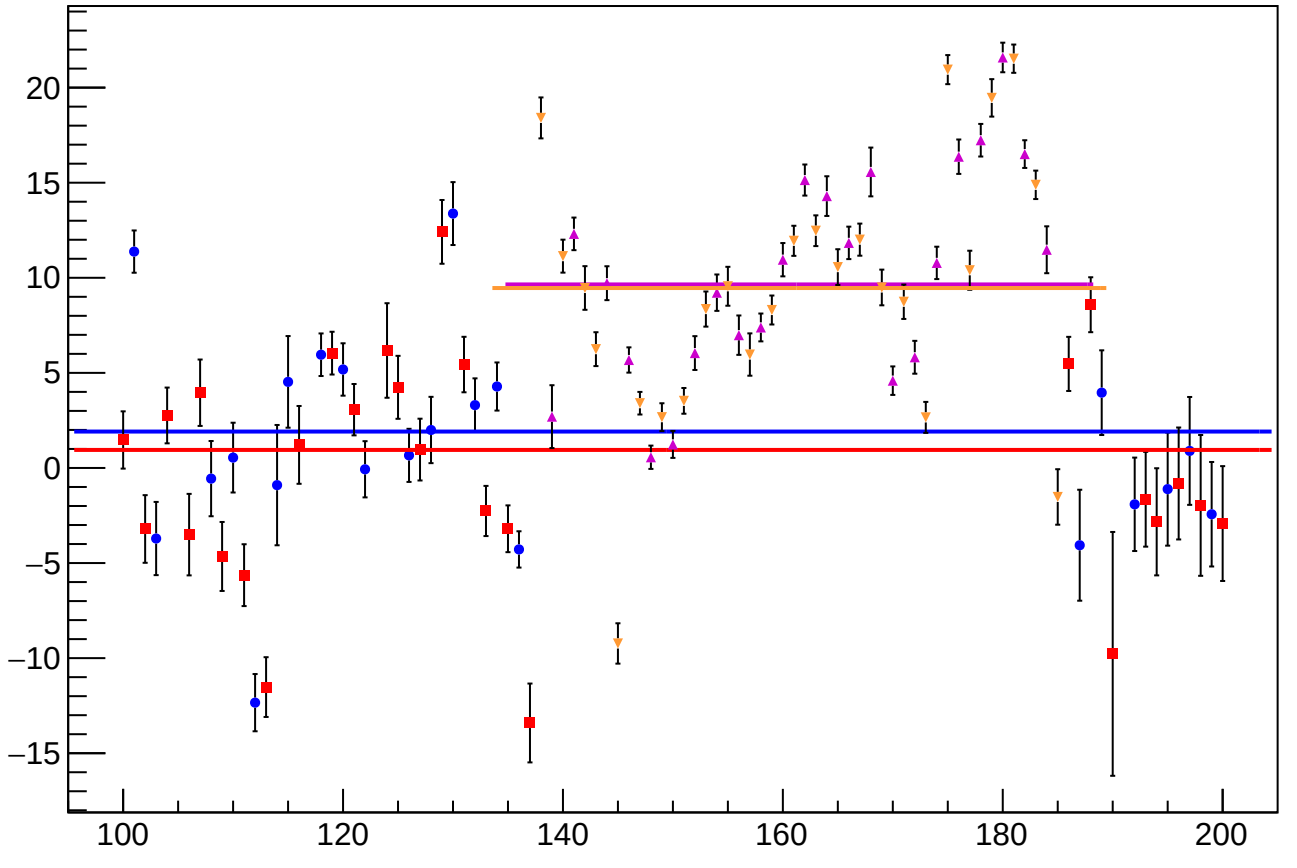
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 78.507+/-0.189 χ^2/NDF: 14804.5/48

In: 64.962+/-0.167 χ^2/NDF:10601.9/44

Out: 65.676+/-0.156 χ^2/NDF:19845.3/51

All: 65.344+/-0.114 χ^2/NDF: 30457.0/96



Right In: 1.915+/-0.345 χ^2/NDF: 301.9/21

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.948+/-0.329 χ^2/NDF: 302.5/26

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

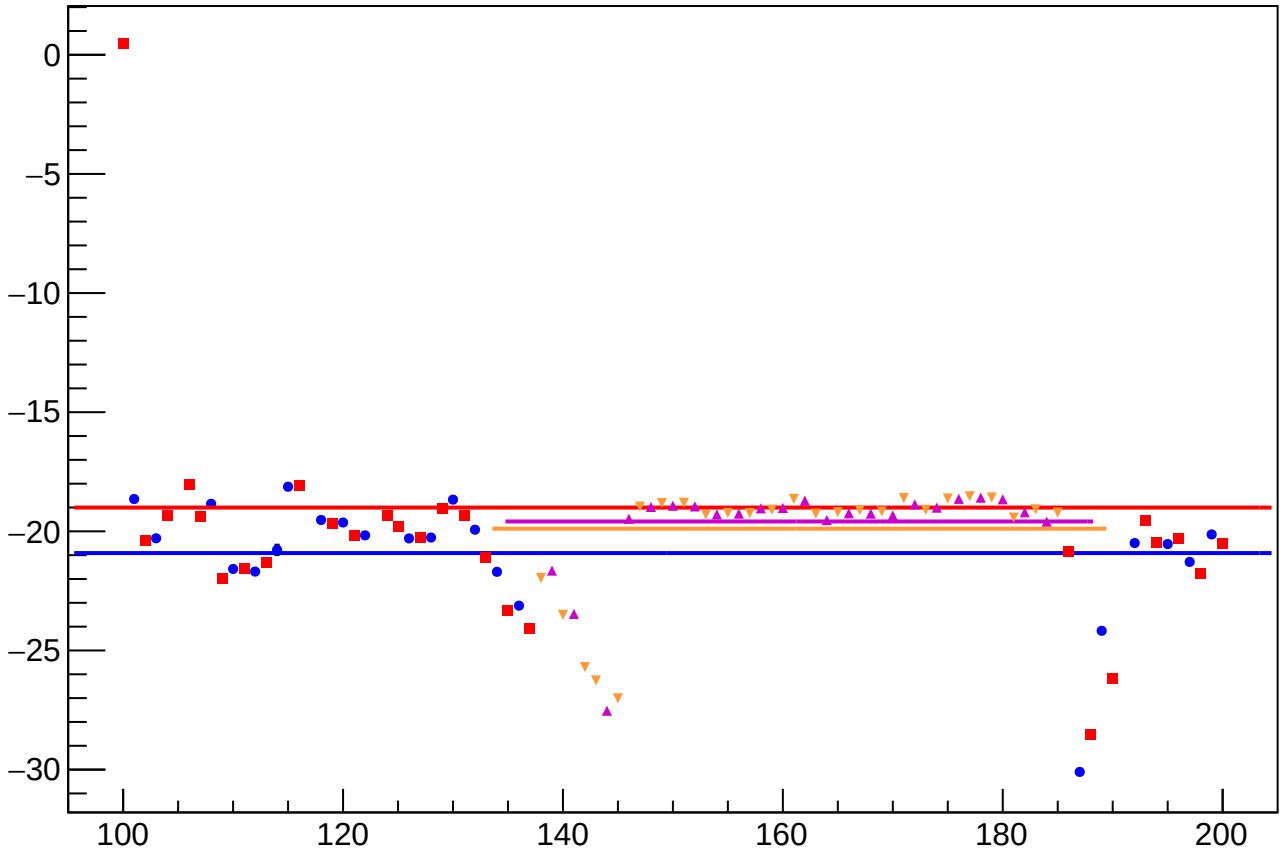
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.410+/-0.238 χ^2/NDF: 608.6/48

In: 8.041+/-0.157 χ^2/NDF:1779.5/44

Out: 7.643+/-0.152 χ^2/NDF:2310.9/51

All: 7.836+/-0.109 χ^2/NDF: 4093.7/96



Right In: -20.912+/-0.017 χ^2/NDF: 11884.9/21

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

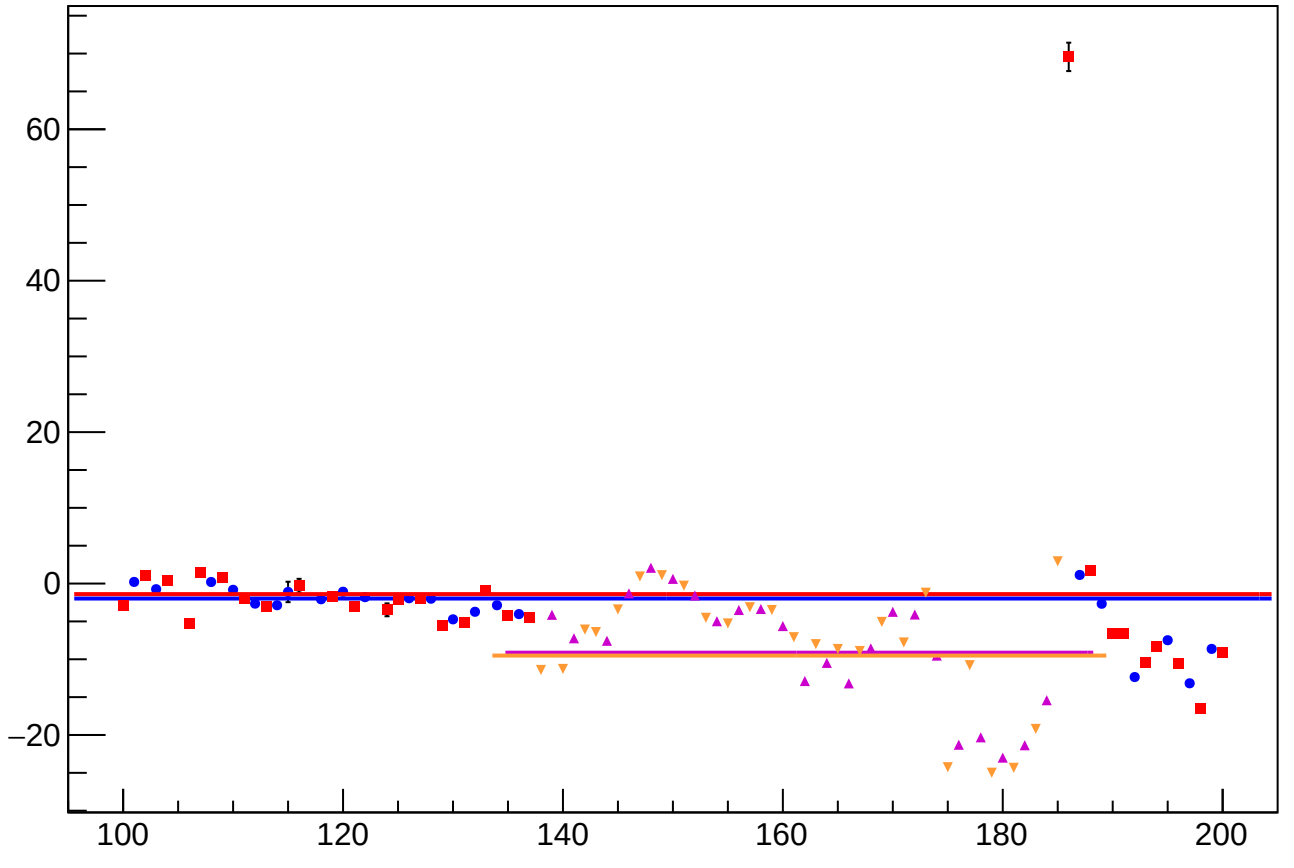
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.899+/-0.012 χ^2/NDF: 189886.8/48

In: -19.817+/-0.007 χ^2/NDF:61783.5/44

Out: -19.722+/-0.007 χ^2/NDF:252489.4/51

All: -19.768+/-0.005 χ^2/NDF: 314361.0/96



Right In: -1.977+/-0.052 χ^2/NDF: 3060.4/21

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

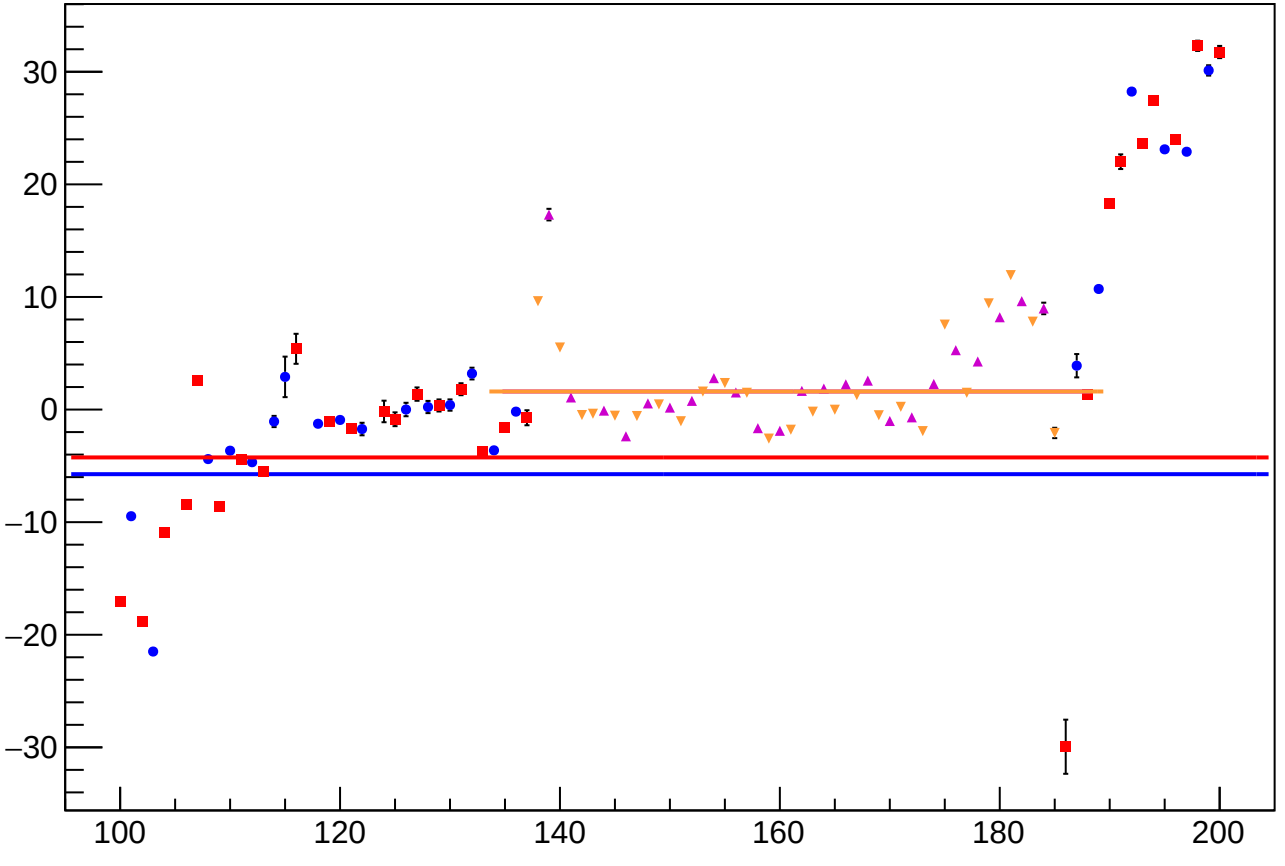
Right: -1.656+/-0.035 χ^2/NDF: 9552.3/49

In: -4.290+/-0.043 χ^2/NDF:19645.3/44

Out: -3.778+/-0.039 χ^2/NDF:28162.0/52

All: -4.014+/-0.029 χ^2/NDF: 47885.5/97

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.738+/-0.054 χ^2/NDF: 43189.8/21

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

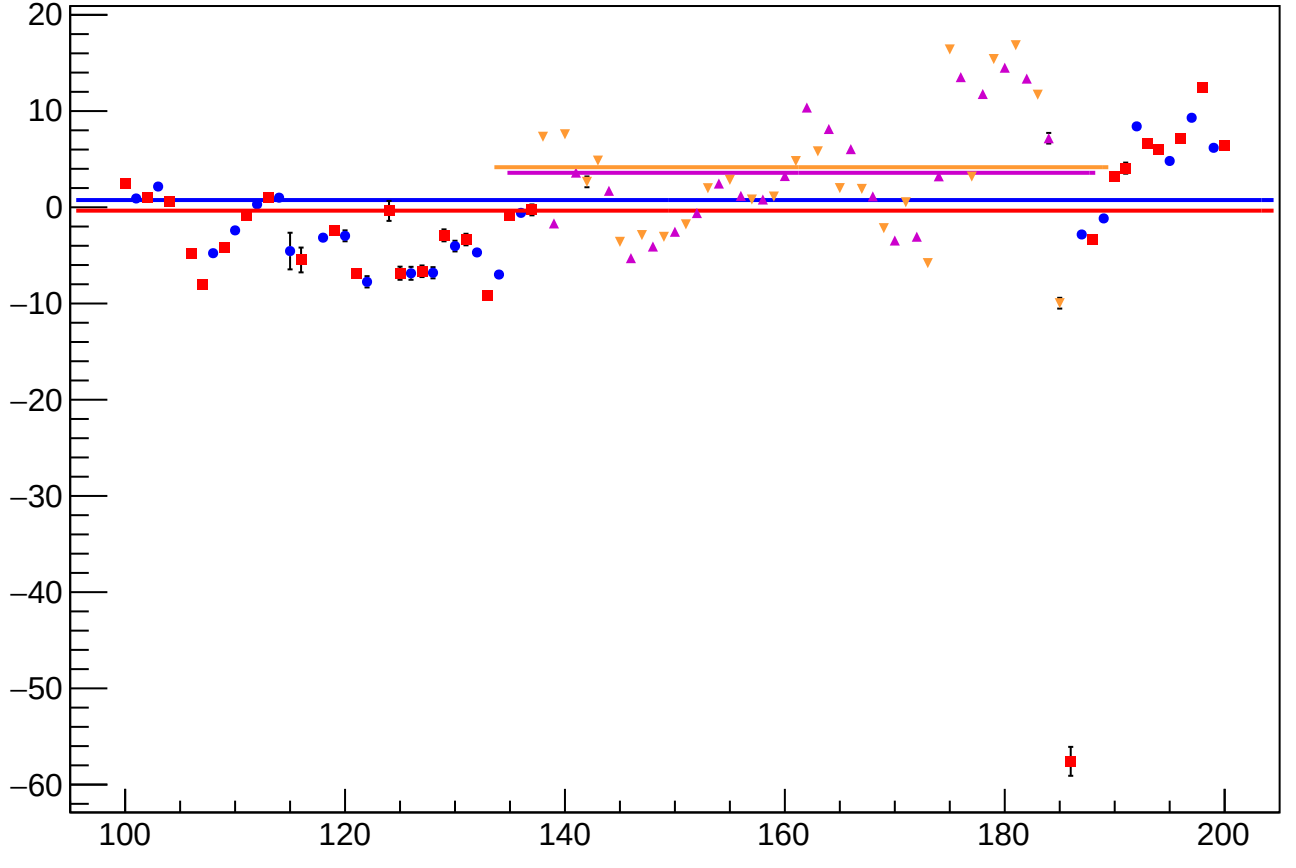
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.981+/-0.038 χ^2/NDF: 95486.7/49

In: -2.295+/-0.039 χ^2/NDF:55456.2/44

Out: -1.429+/-0.038 χ^2/NDF:62428.5/52

All: -1.849+/-0.027 χ^2/NDF: 118132.8/97



Right In: 0.752+/-0.050 χ^2/NDF: 3953.9/21

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

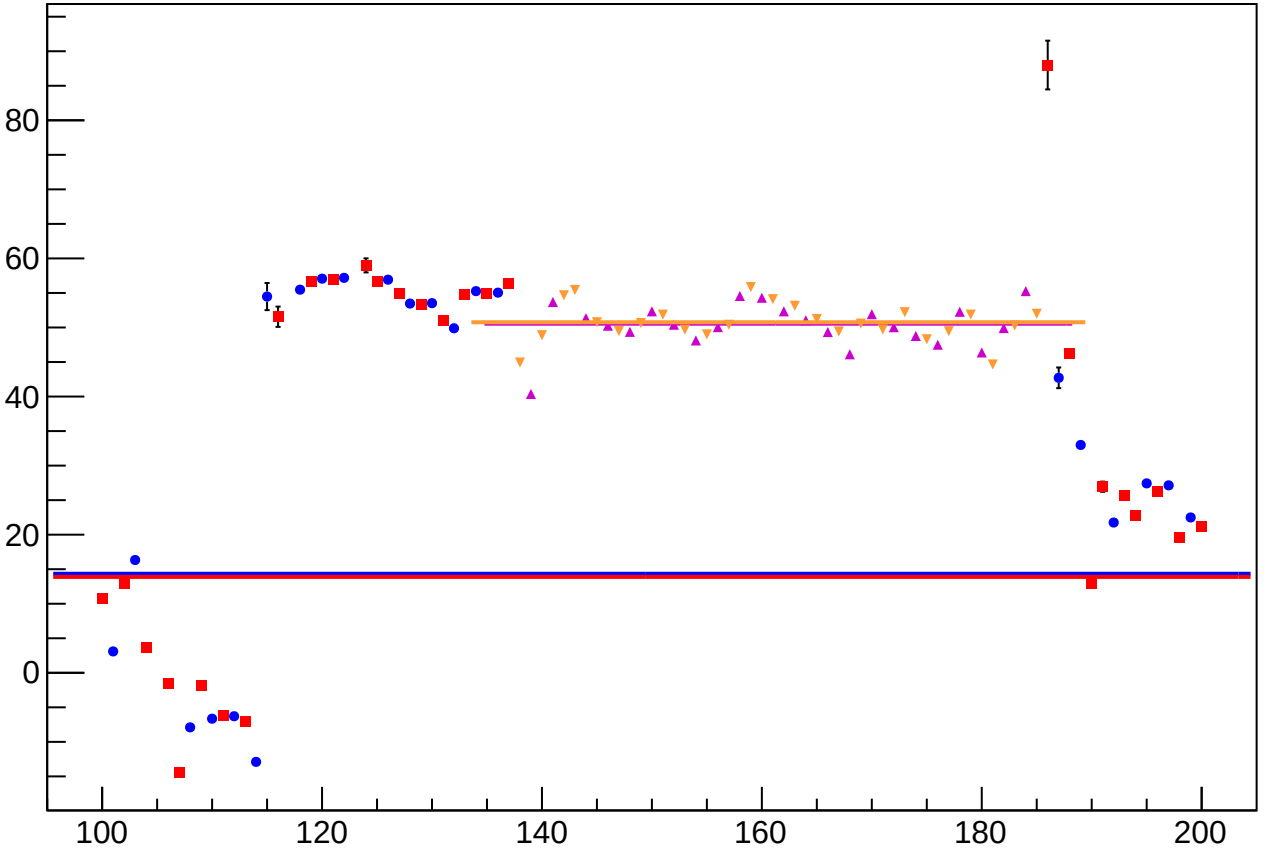
Right: 0.176+/-0.034 χ^2/NDF: 12038.5/49

In: 1.631+/-0.041 χ^2/NDF:12193.6/44

Out: 1.012+/-0.040 χ^2/NDF:19813.5/52

All: 1.309+/-0.029 χ^2/NDF: 32124.4/97

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.340+/-0.065 χ^2/NDF: 112402.1/21

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

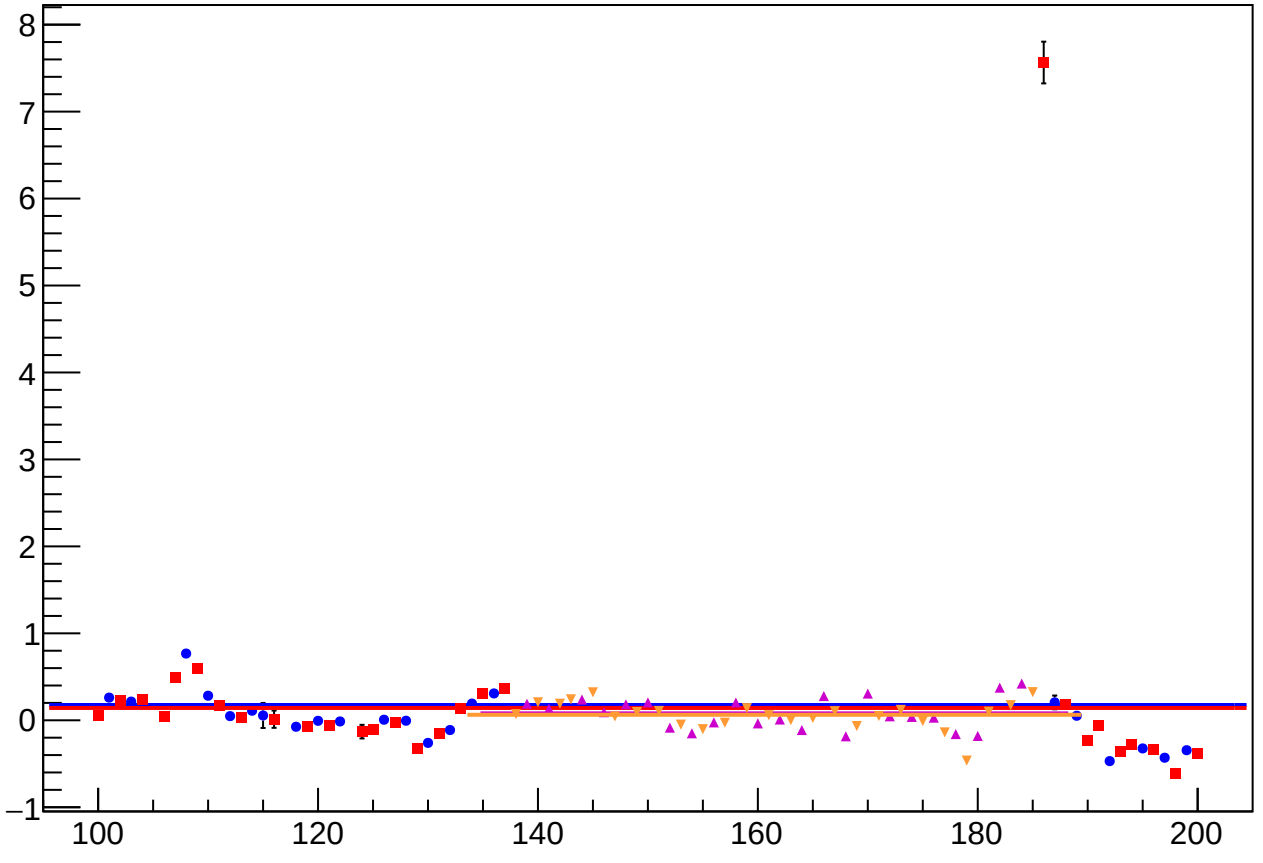
Right: 14.108+/-0.045 χ^2/NDF: 241349.2/49

In: 32.436+/-0.046 χ^2/NDF:270473.1/44

Out: 32.600+/-0.044 χ^2/NDF:302455.1/52

All: 32.520+/-0.032 χ^2/NDF: 572934.7/97

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.003 χ^2/NDF: 11470.6/21

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

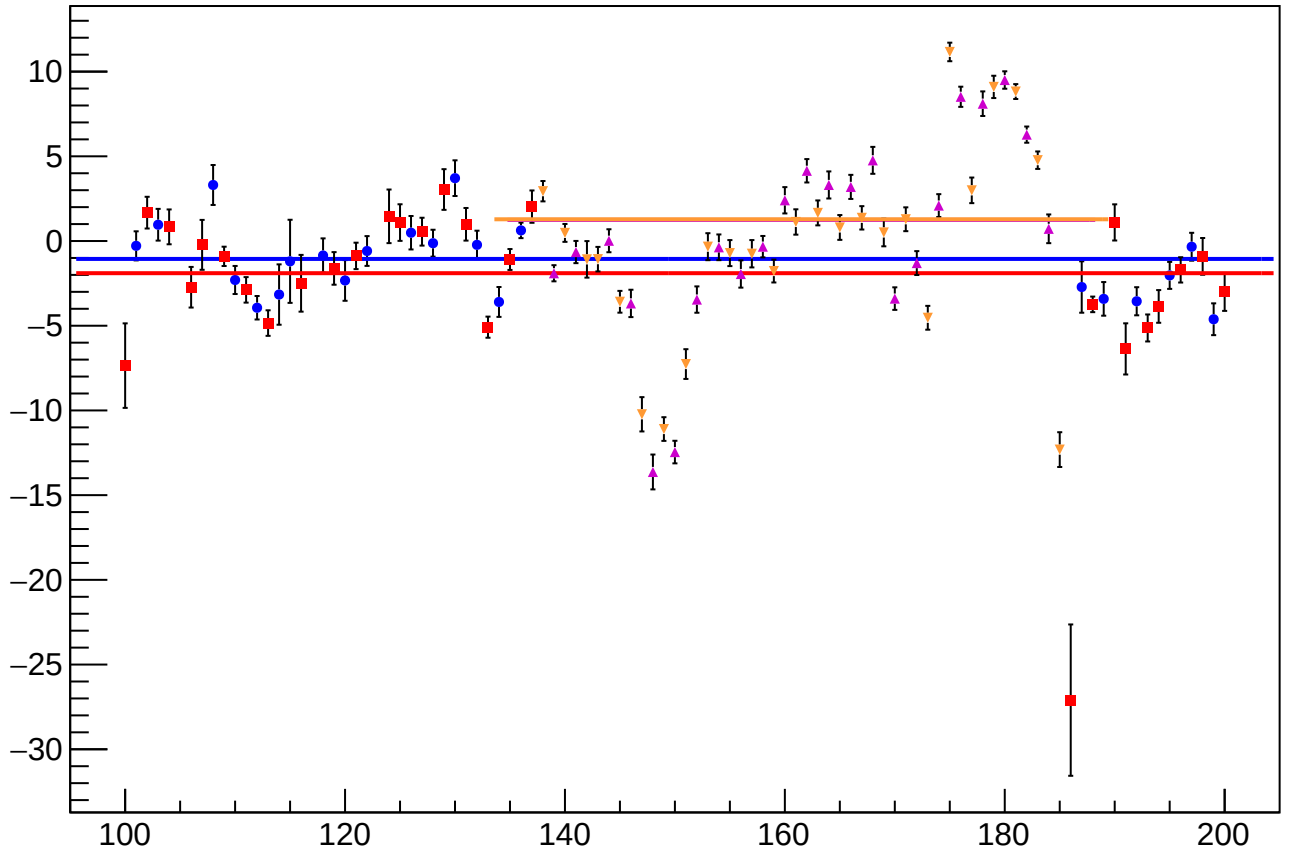
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.158+/-0.002 χ^2/NDF: 23183.4/49

In: 0.132+/-0.002 χ^2/NDF:15550.4/44

Out: 0.107+/-0.002 χ^2/NDF:14632.8/52

All: 0.120+/-0.001 χ^2/NDF: 30270.9/97



Right In: -1.057+/-0.188 χ^2/NDF: 121.3/21

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

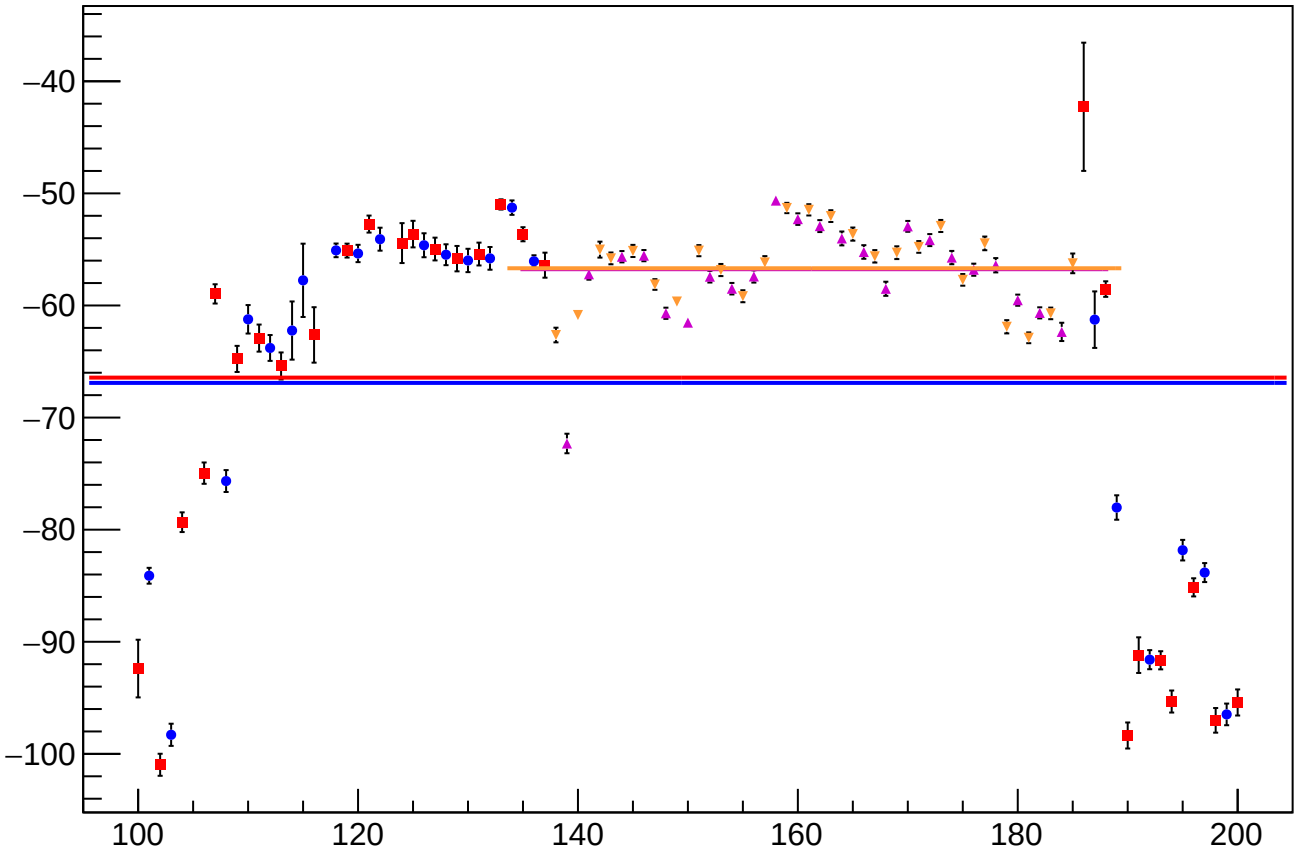
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.529+/-0.125 χ^2/NDF: 361.4/49

In: 0.421+/-0.112 χ^2/NDF:1730.1/44

Out: -0.001+/-0.106 χ^2/NDF:2162.3/52

All: 0.197+/-0.077 χ^2/NDF: 3899.9/97



Right In: -66.906+/-0.193 χ^2/NDF: 6540.8/21

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

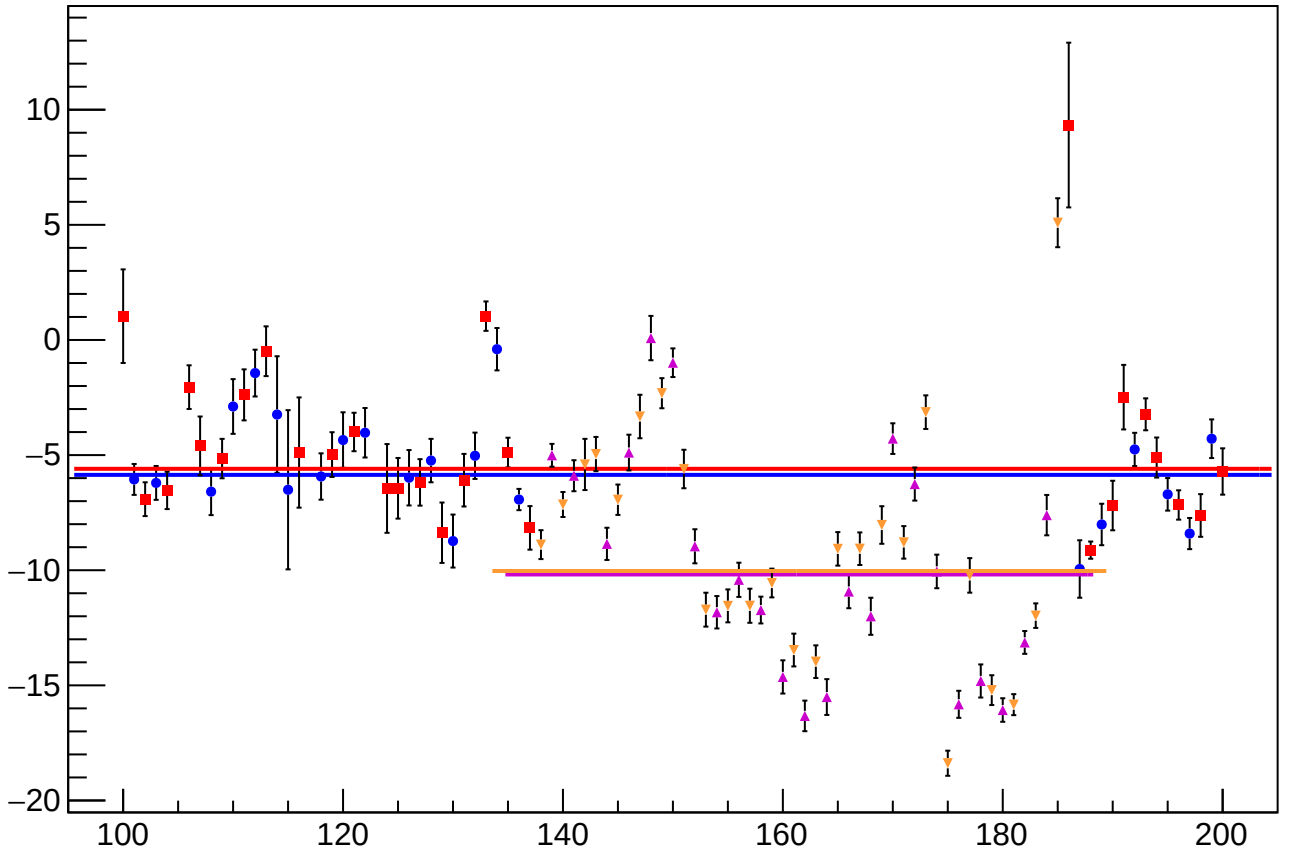
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -66.649+/-0.130 χ^2/NDF: 15971.0/49

In: -59.321+/-0.097 χ^2/NDF:9717.2/44

Out: -59.323+/-0.092 χ^2/NDF:12684.6/52

All: -59.322+/-0.067 χ^2/NDF: 22401.9/97



Right In: -5.858+/-0.188 χ^2/NDF: 117.4/21

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

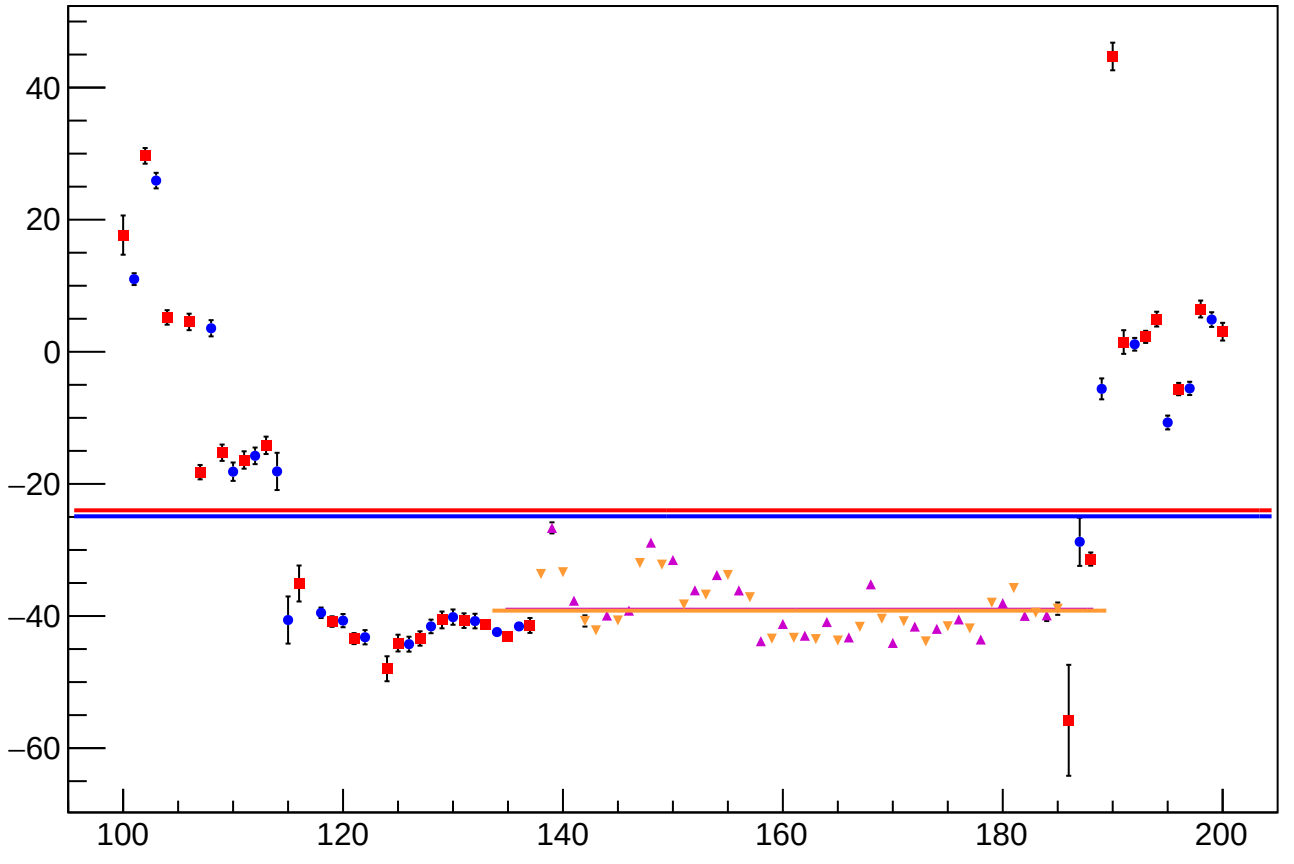
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.710+/-0.124 χ^2/NDF: 442.3/49

In: -8.653+/-0.112 χ^2/NDF:1602.3/44

Out: -8.232+/-0.105 χ^2/NDF:1937.2/52

All: -8.429+/-0.077 χ^2/NDF: 3547.0/97



Right In: -24.906+/-0.222 χ^2/NDF: 9613.0/21

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

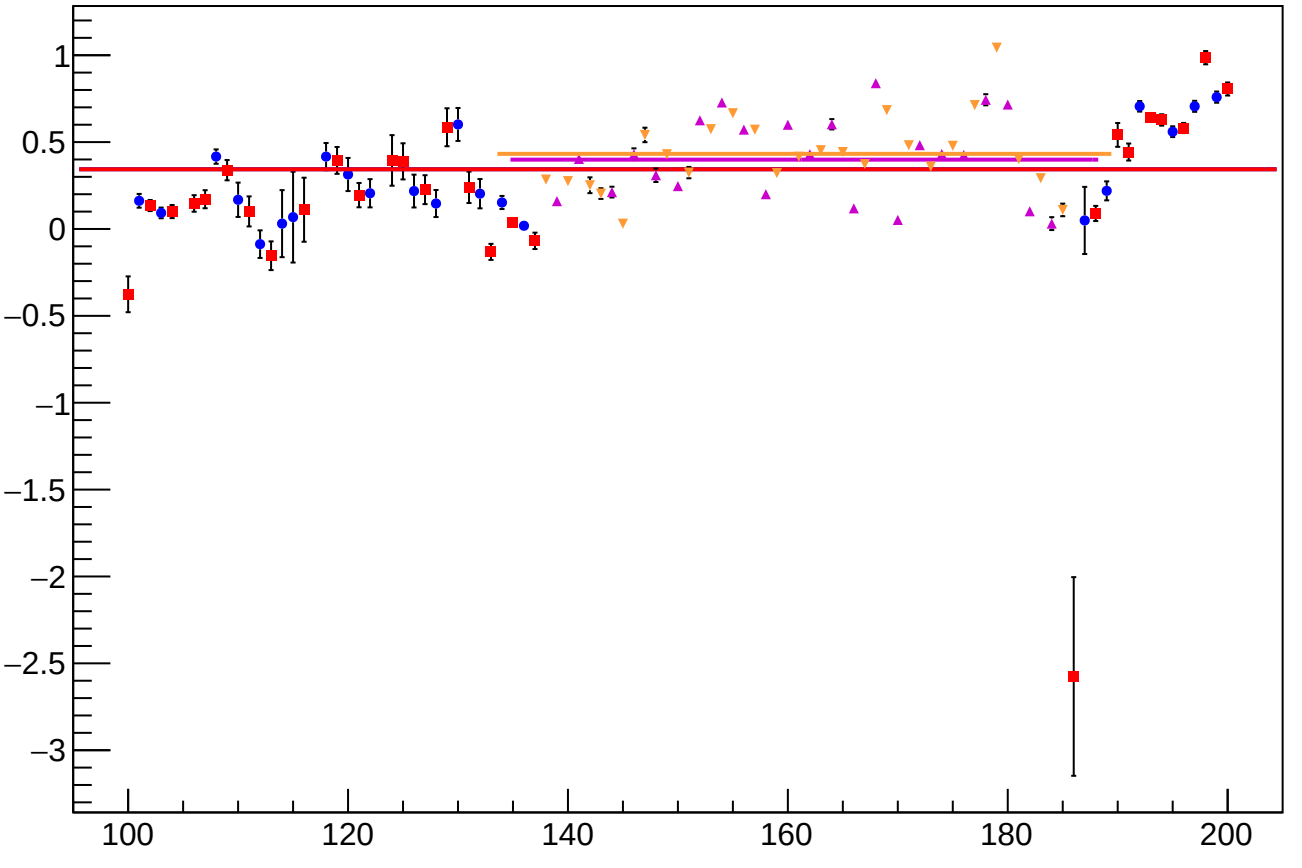
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -24.418+/-0.151 χ^2/NDF: 21680.0/49

In: -35.667+/-0.108 χ^2/NDF:13932.6/44

Out: -35.337+/-0.104 χ^2/NDF:17147.2/52

All: -35.495+/-0.075 χ^2/NDF: 31084.6/97



Right In: 0.344+/-0.010 χ^2/NDF: 897.8/21

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

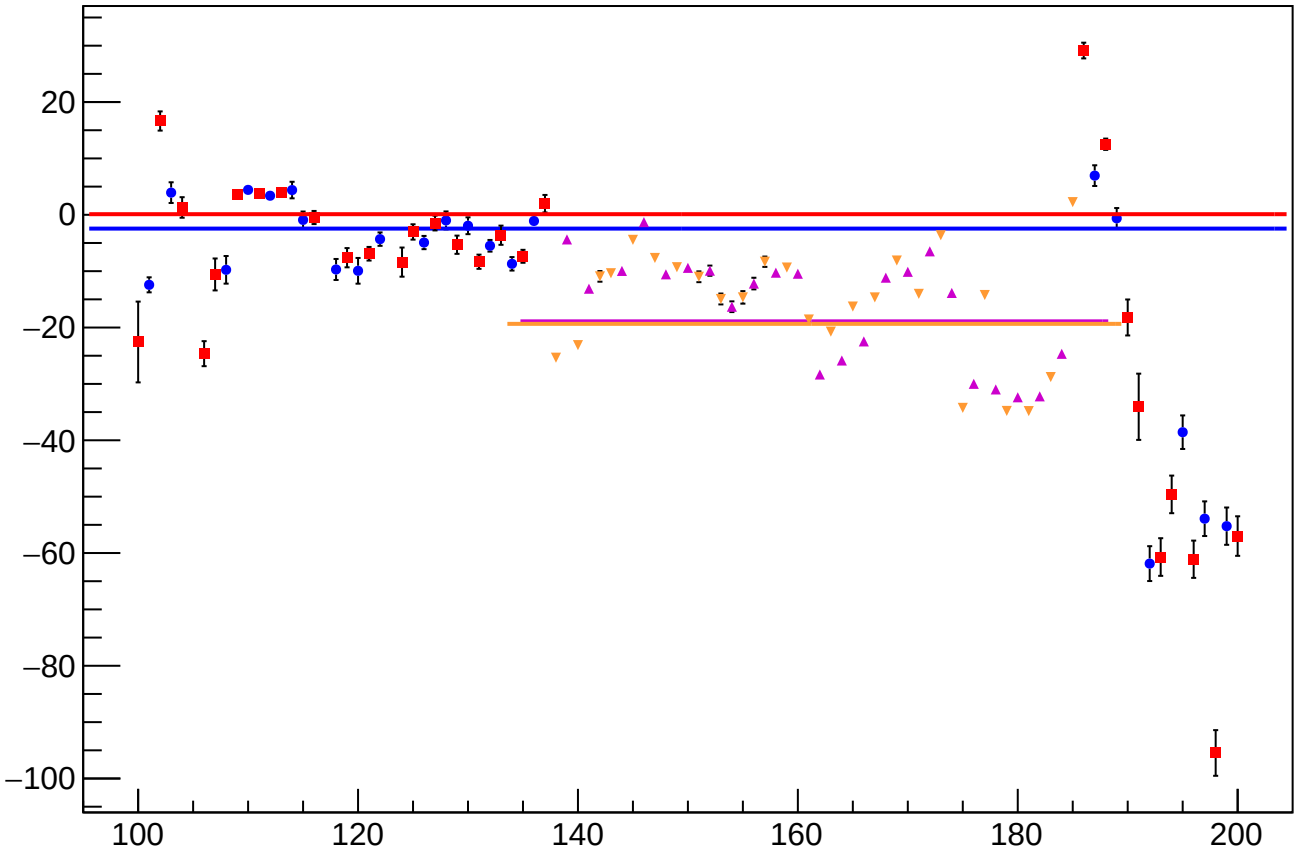
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.344+/-0.007 χ^2/NDF: 2204.2/49

In: 0.386+/-0.005 χ^2/NDF:2846.7/44

Out: 0.409+/-0.005 χ^2/NDF:2748.2/52

All: 0.398+/-0.003 χ^2/NDF: 5607.6/97



Right In: -2.448+/-0.270 χ^2/NDF: 1433.7/21

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

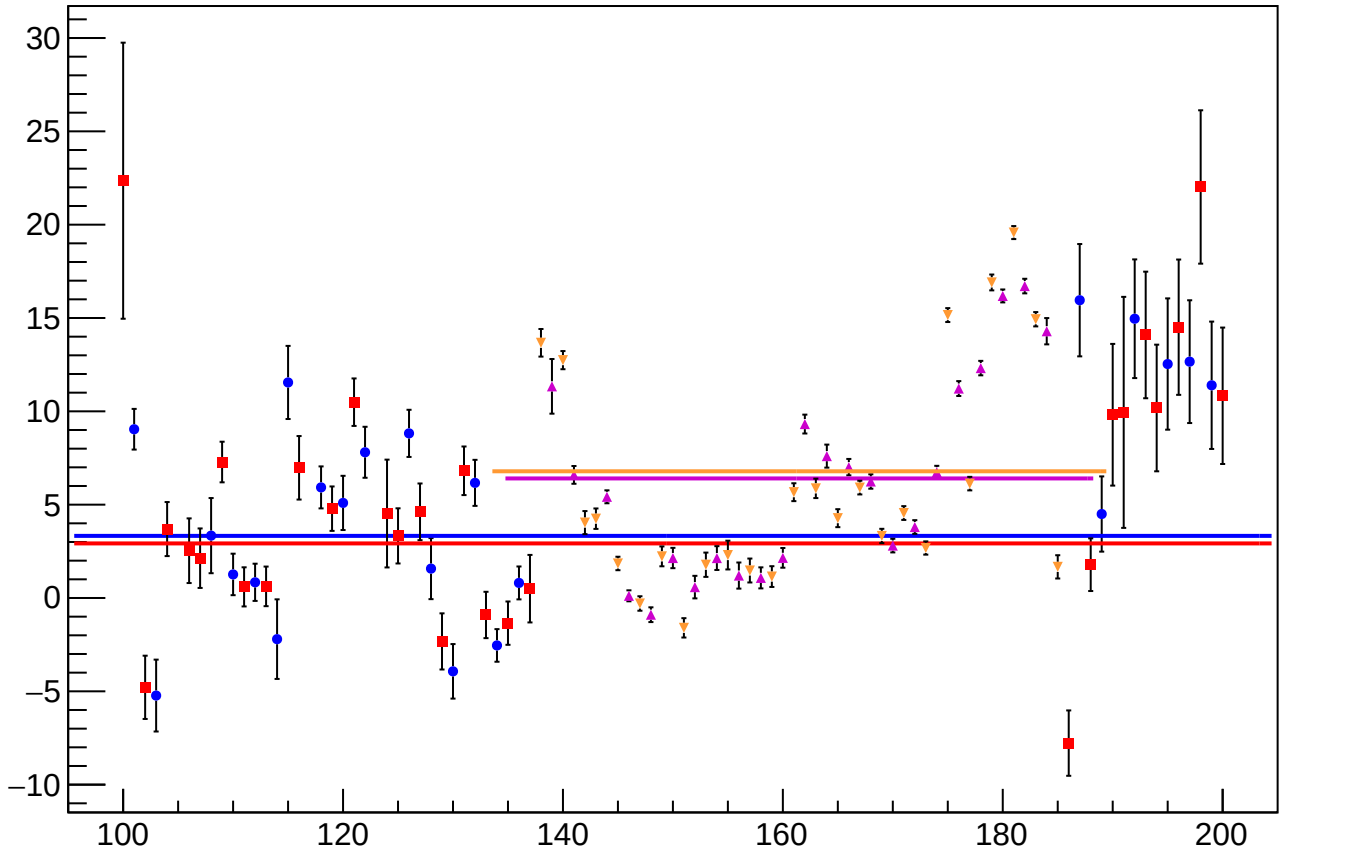
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

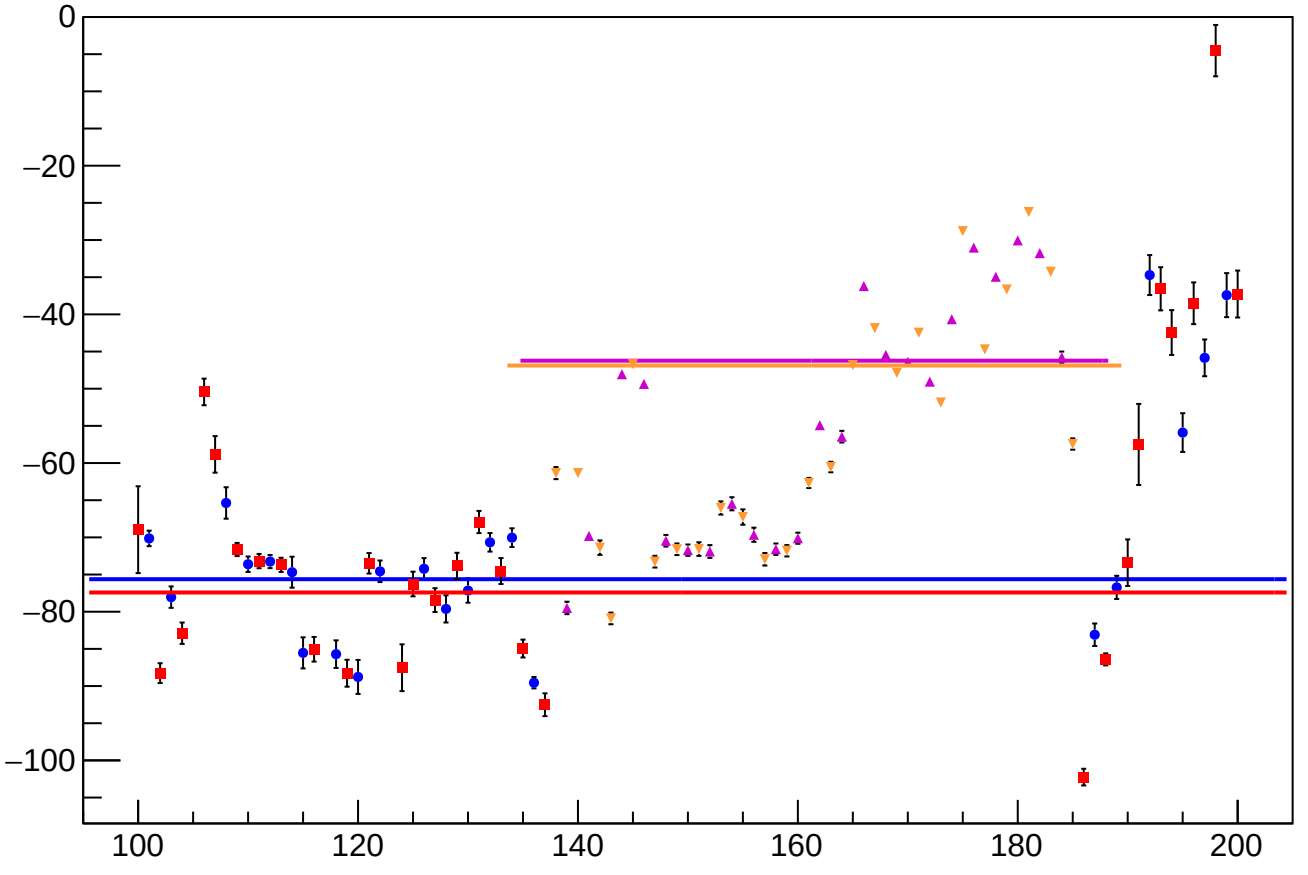
Right: -1.065+/-0.183 χ^2/NDF: 4374.1/49

In: -16.333+/-0.107 χ^2/NDF:12853.3/44

Out: -16.001+/-0.103 χ^2/NDF:18352.0/52

All: -16.162+/-0.074 χ^2/NDF: 31210.3/97


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 3.328+/-0.303 χ²/NDF: 254.0/21
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.924+/-0.302 χ²/NDF: 239.5/27
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.125+/-0.214 χ²/NDF: 494.4/49
In: 6.149+/-0.087 χ²/NDF:3759.0/44
Out: 6.473+/-0.086 χ²/NDF:5022.0/52
All: 6.312+/-0.061 χ²/NDF: 8788.0/97



Right In: -75.626+/-0.304 χ^2/NDF: 1149.8/21

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

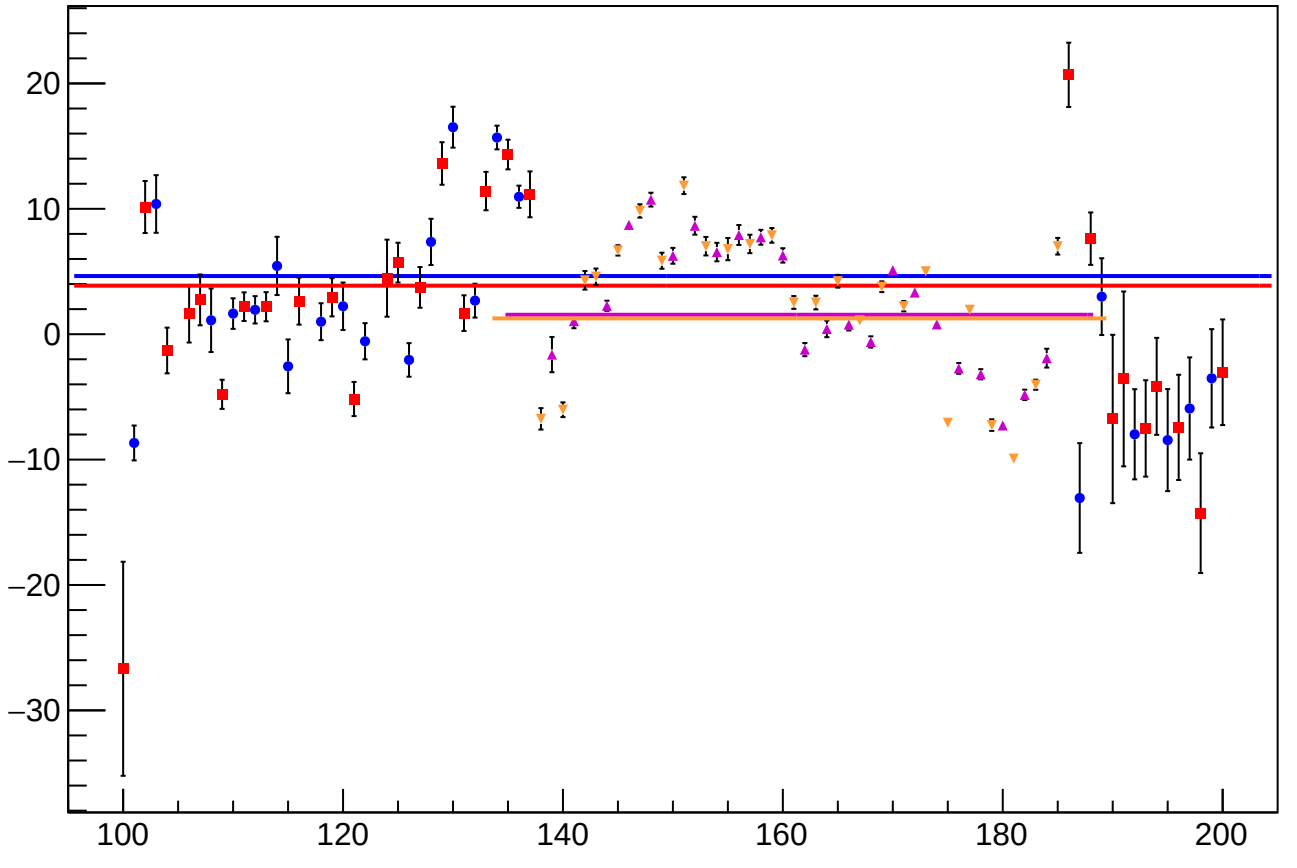
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.577+/-0.208 χ^2/NDF: 3633.9/49

In: -49.978+/-0.109 χ^2/NDF:24466.6/44

Out: -51.075+/-0.106 χ^2/NDF:30307.8/52

All: -50.541+/-0.076 χ^2/NDF: 54826.8/97



Right In: 4.639+/-0.341 χ^2/NDF: 464.7/21

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

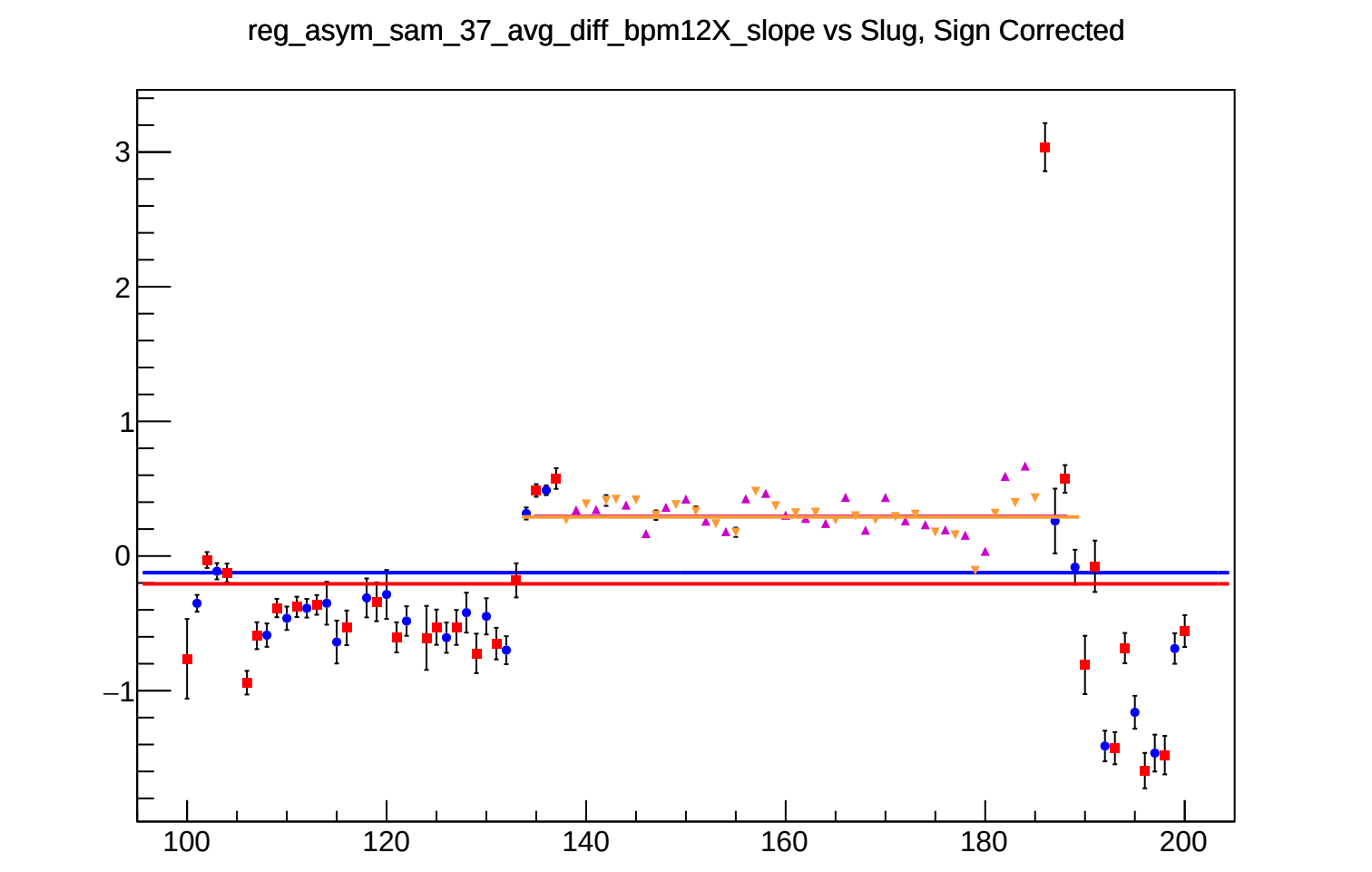
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.260+/-0.243 χ^2/NDF: 845.9/49

In: 1.805+/-0.098 χ^2/NDF:2875.6/44

Out: 1.464+/-0.096 χ^2/NDF:3877.0/52

All: 1.632+/-0.069 χ^2/NDF: 6758.7/97



Right In: -0.124+/-0.018 χ^2/NDF: 862.4/21

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

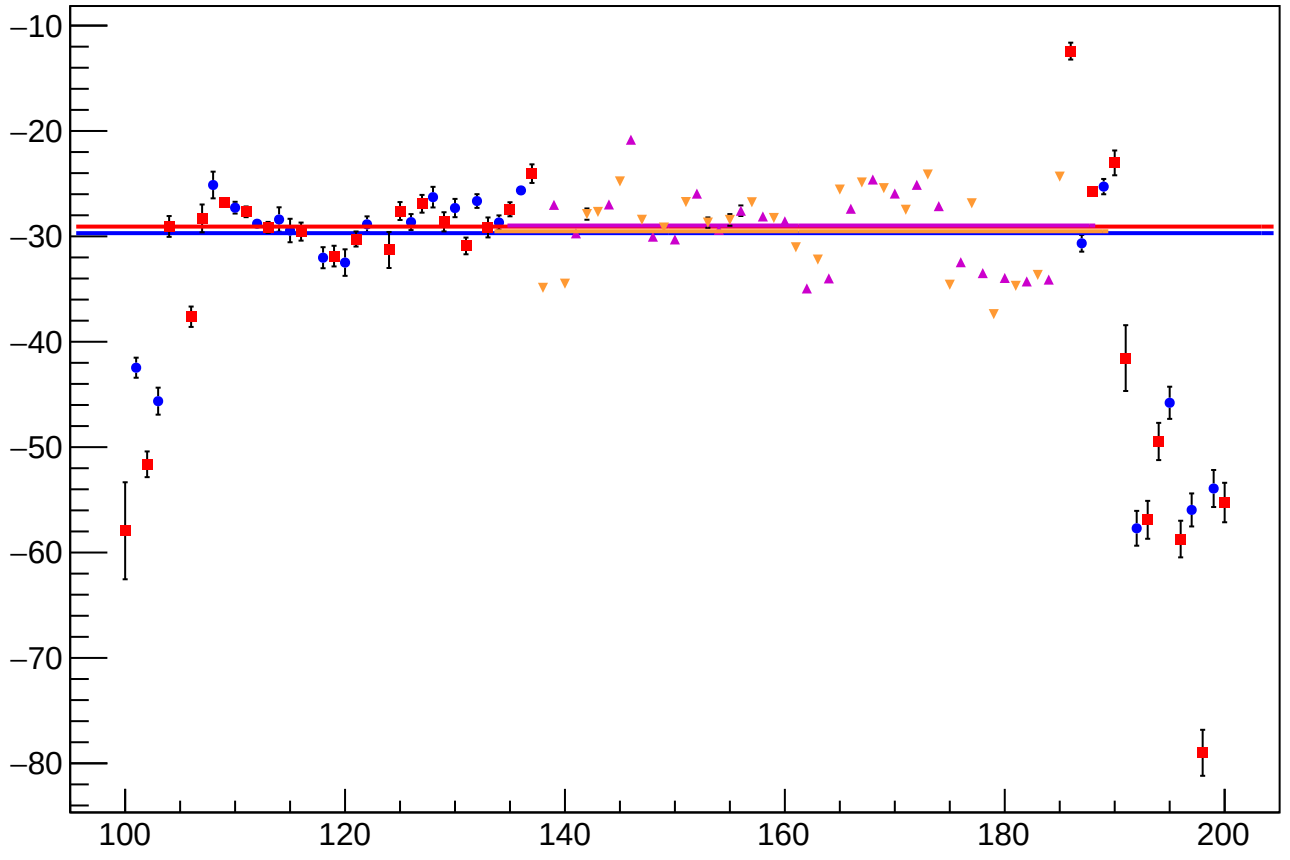
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.164+/-0.013 χ^2/NDF: 2091.0/49

In: 0.270+/-0.004 χ^2/NDF:2415.7/44

Out: 0.263+/-0.004 χ^2/NDF:2625.6/52

All: 0.266+/-0.003 χ^2/NDF: 5042.6/97



Right In: -29.696+/-0.172 χ^2/NDF: 1424.1/21

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

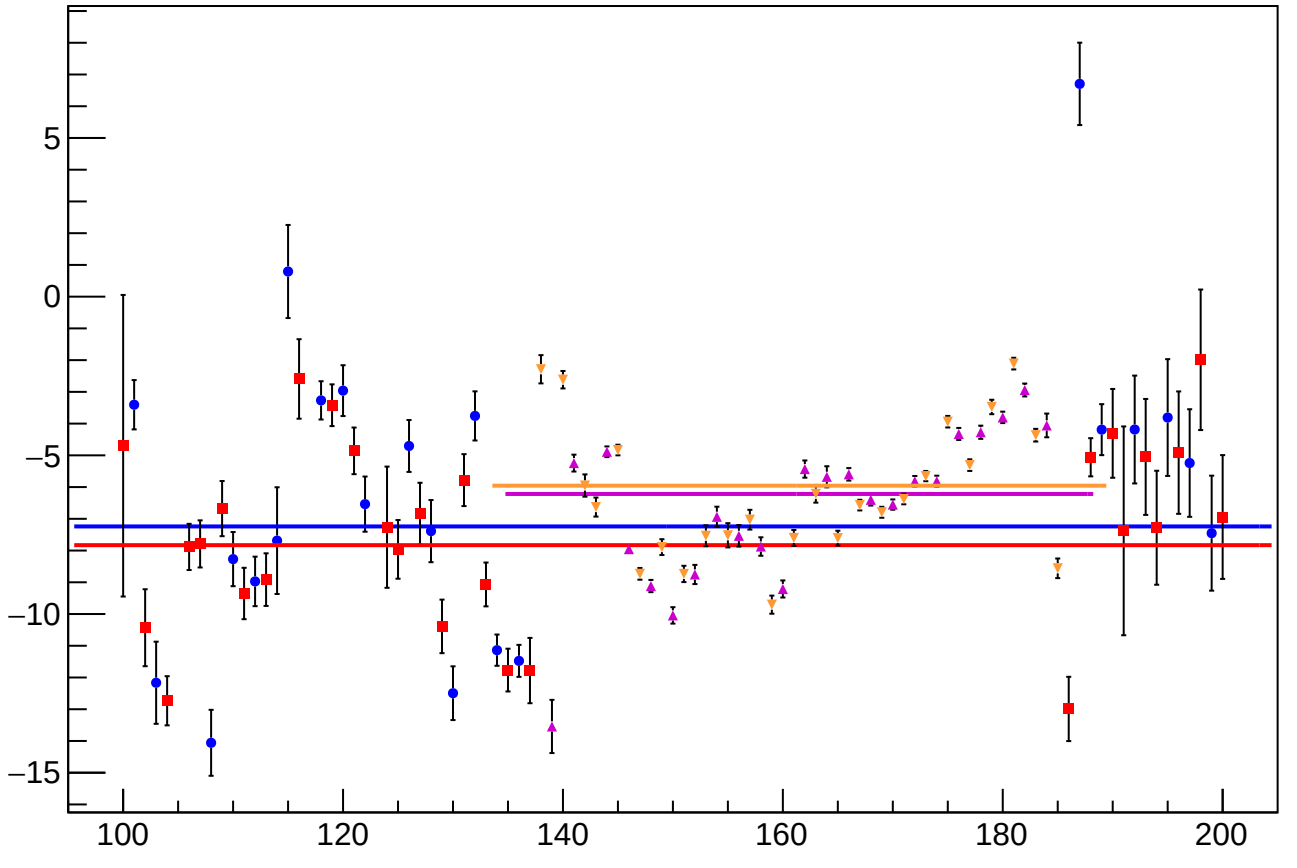
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.361+/-0.117 χ^2/NDF: 3904.5/49

In: -29.043+/-0.054 χ^2/NDF:6788.7/44

Out: -29.467+/-0.053 χ^2/NDF:8568.7/52

All: -29.259+/-0.038 χ^2/NDF: 15388.7/97



Right In: -7.240+/-0.183 χ^2/NDF: 530.5/21

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

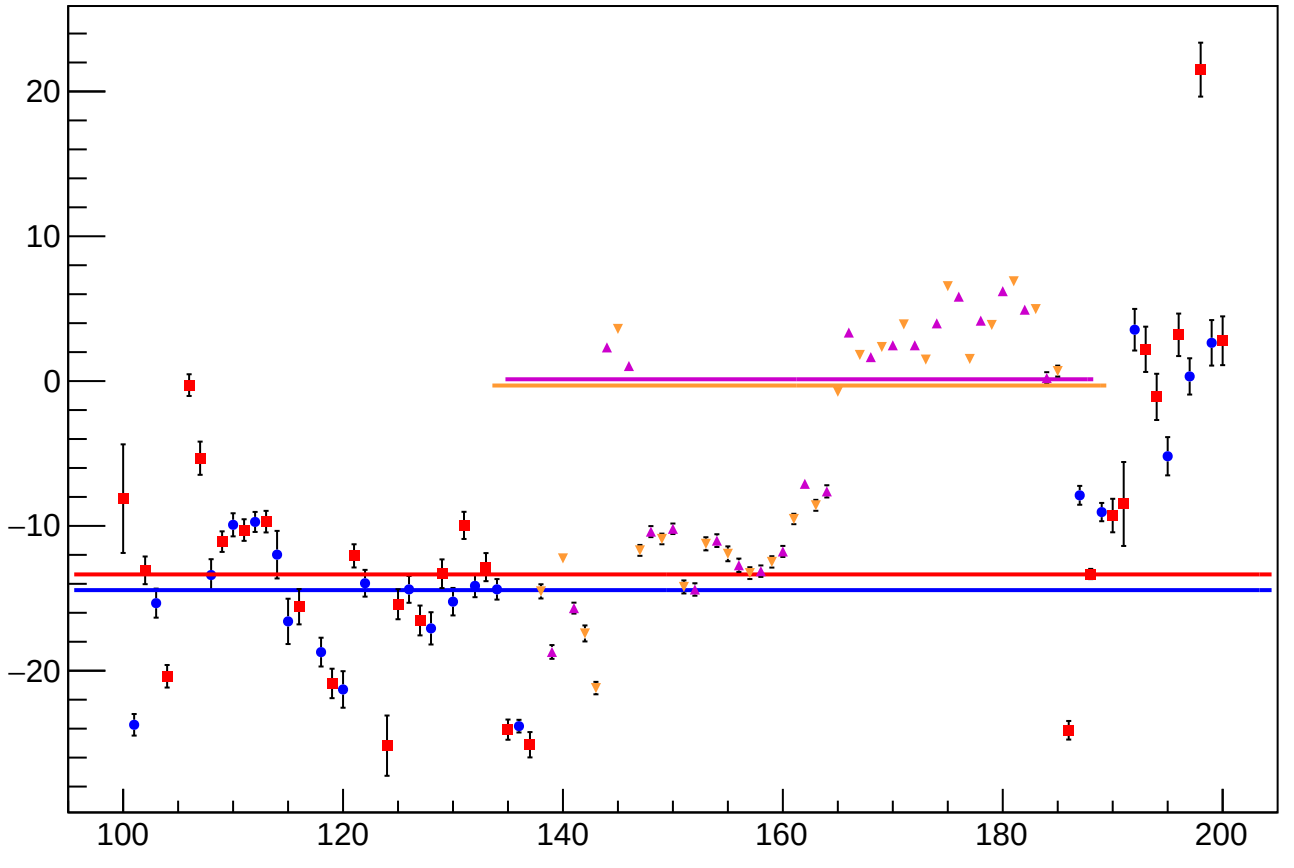
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.544+/-0.128 χ^2/NDF: 800.8/49

In: -6.273+/-0.043 χ^2/NDF:2301.7/44

Out: -6.066+/-0.043 χ^2/NDF:2227.1/52

All: -6.170+/-0.030 χ^2/NDF: 4540.3/97



Right In: -14.435+/-0.183 χ^2/NDF: 1391.4/21

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

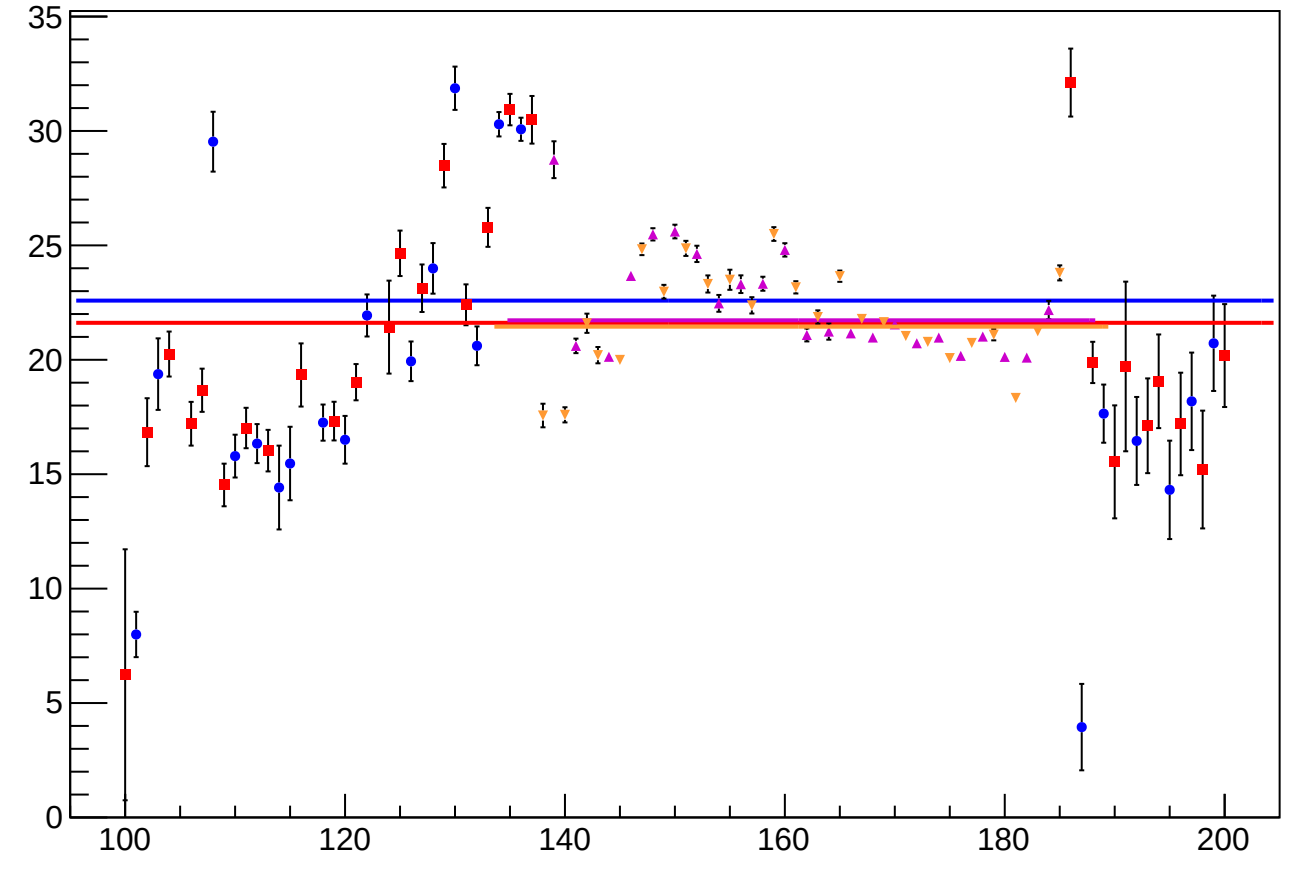
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.841+/-0.123 χ^2/NDF: 3457.7/49

In: -1.159+/-0.054 χ^2/NDF:20985.4/44

Out: -1.655+/-0.054 χ^2/NDF:24729.3/52

All: -1.411+/-0.038 χ^2/NDF: 45756.8/97



Right In: 22.586+/-0.209 χ^2/NDF: 1159.0/21

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

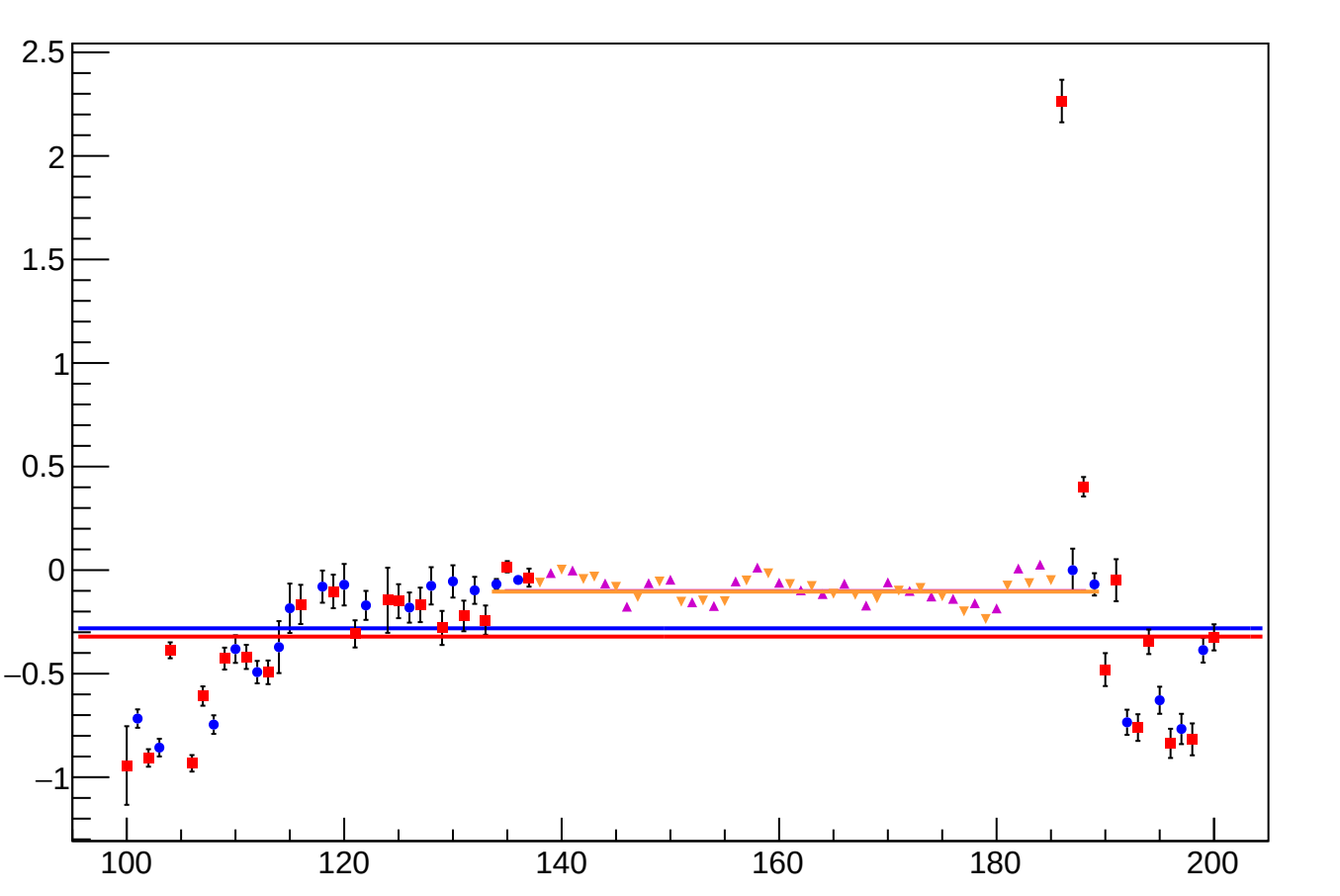
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.102+/-0.148 χ^2/NDF: 1805.0/49

In: 21.771+/-0.048 χ^2/NDF:2348.8/44

Out: 21.456+/-0.048 χ^2/NDF:1961.1/52

All: 21.613+/-0.034 χ^2/NDF: 4331.2/97



Right In: -0.281+/-0.011 χ^2/NDF: 794.3/21

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

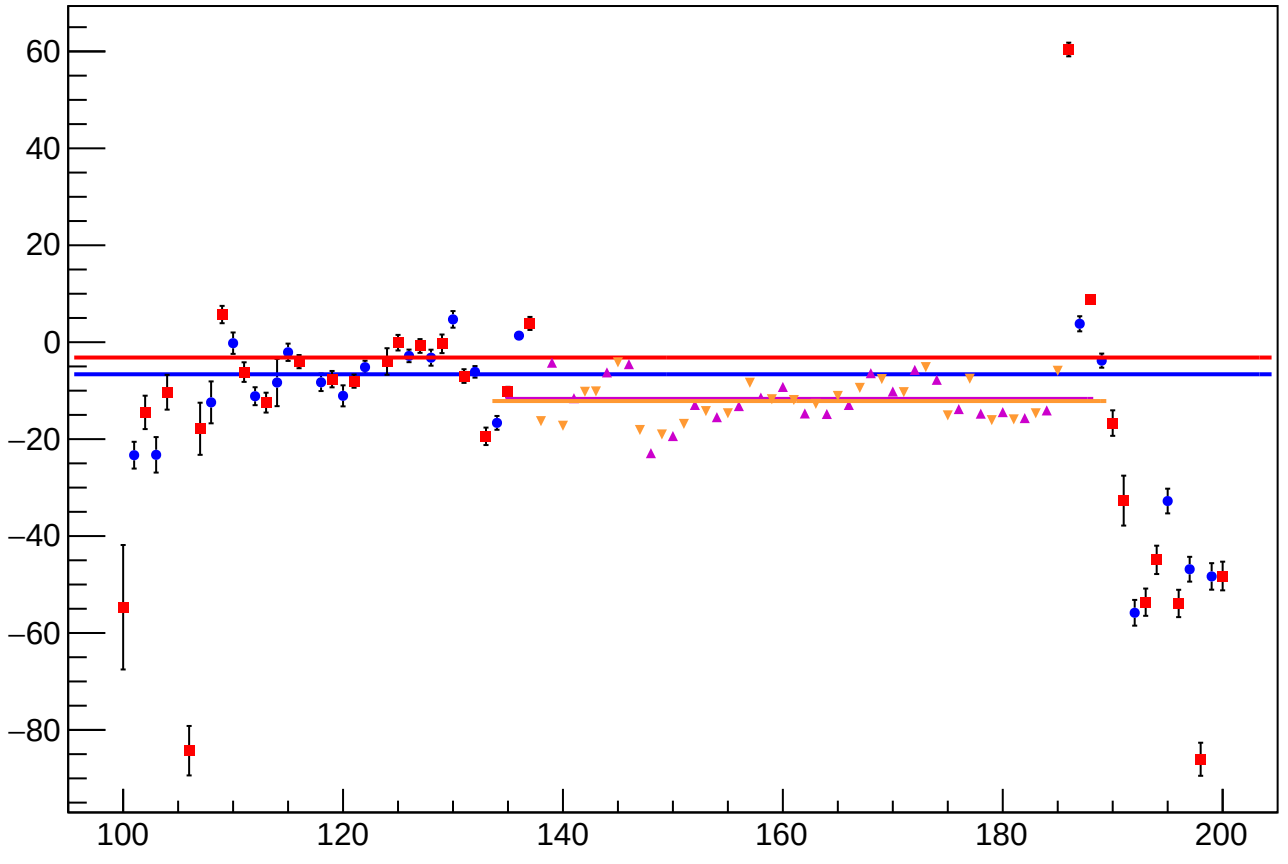
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.301+/-0.008 χ^2/NDF: 2540.9/49

In: -0.109+/-0.002 χ^2/NDF:1822.7/44

Out: -0.112+/-0.002 χ^2/NDF:2672.3/52

All: -0.111+/-0.002 χ^2/NDF: 4496.4/97



Right In: -6.618+/-0.347 χ^2/NDF: 1307.4/21

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

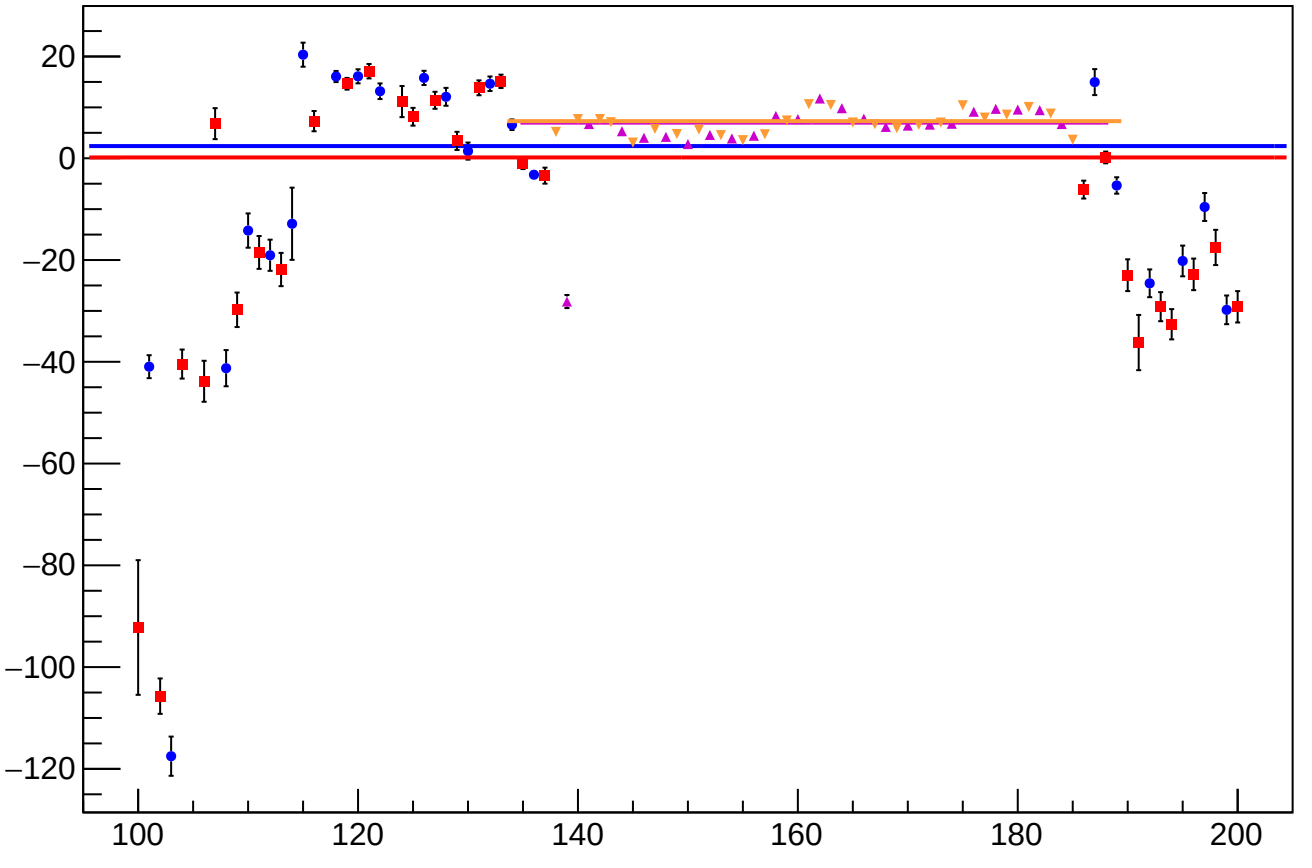
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.846+/-0.242 χ^2/NDF: 5859.3/49

In: -11.348+/-0.091 χ^2/NDF:3458.5/44

Out: -11.529+/-0.088 χ^2/NDF:7289.4/52

All: -11.441+/-0.063 χ^2/NDF: 10750.0/97



Right In: 2.397+/-0.358 χ^2/NDF: 2543.5/21

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

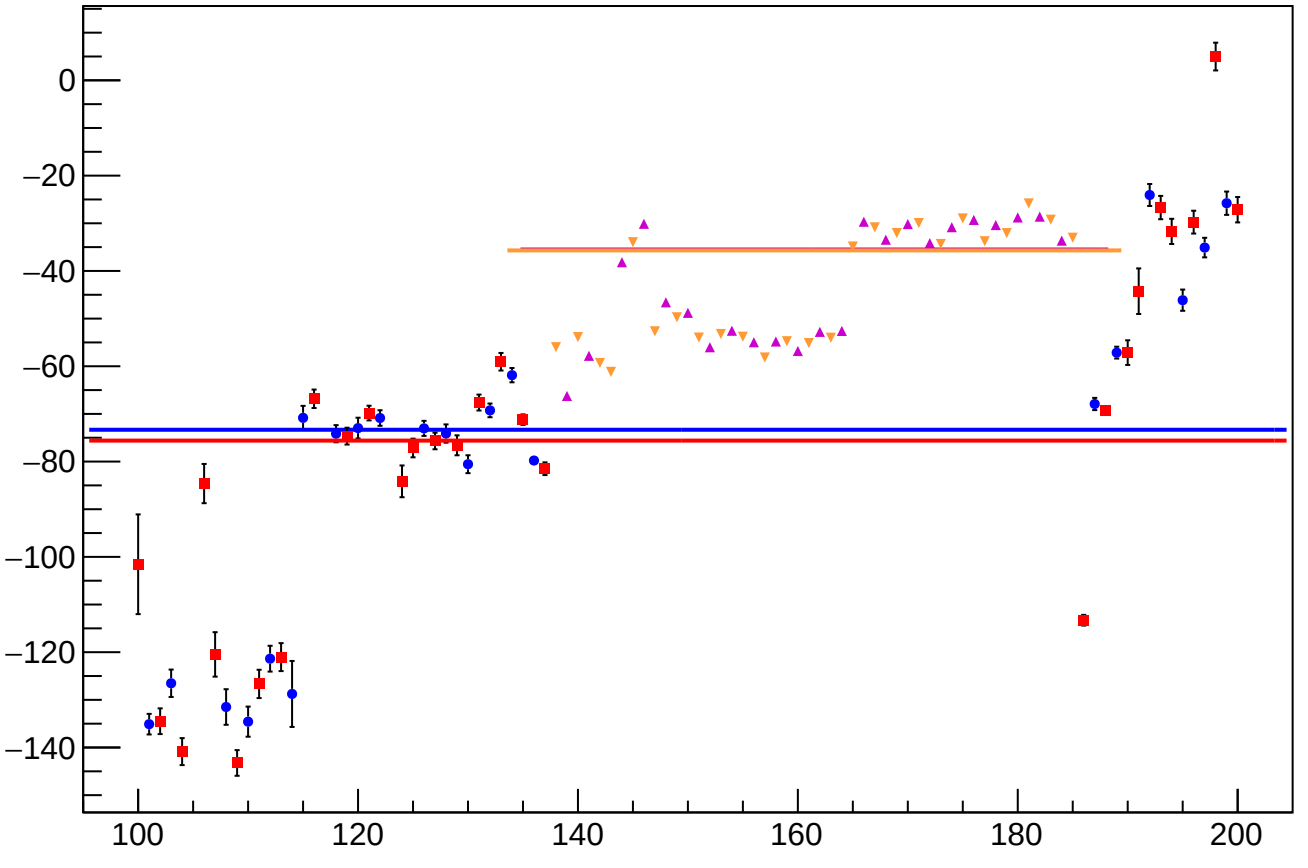
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 1.312+/-0.257 χ^2/NDF: 5151.8/49

In: 6.806+/-0.074 χ^2/NDF:4277.7/44

Out: 7.014+/-0.073 χ^2/NDF:3771.3/52

All: 6.911+/-0.052 χ^2/NDF: 8052.9/97



Right In: -73.325+/-0.358 χ^2/NDF: 3846.5/21

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

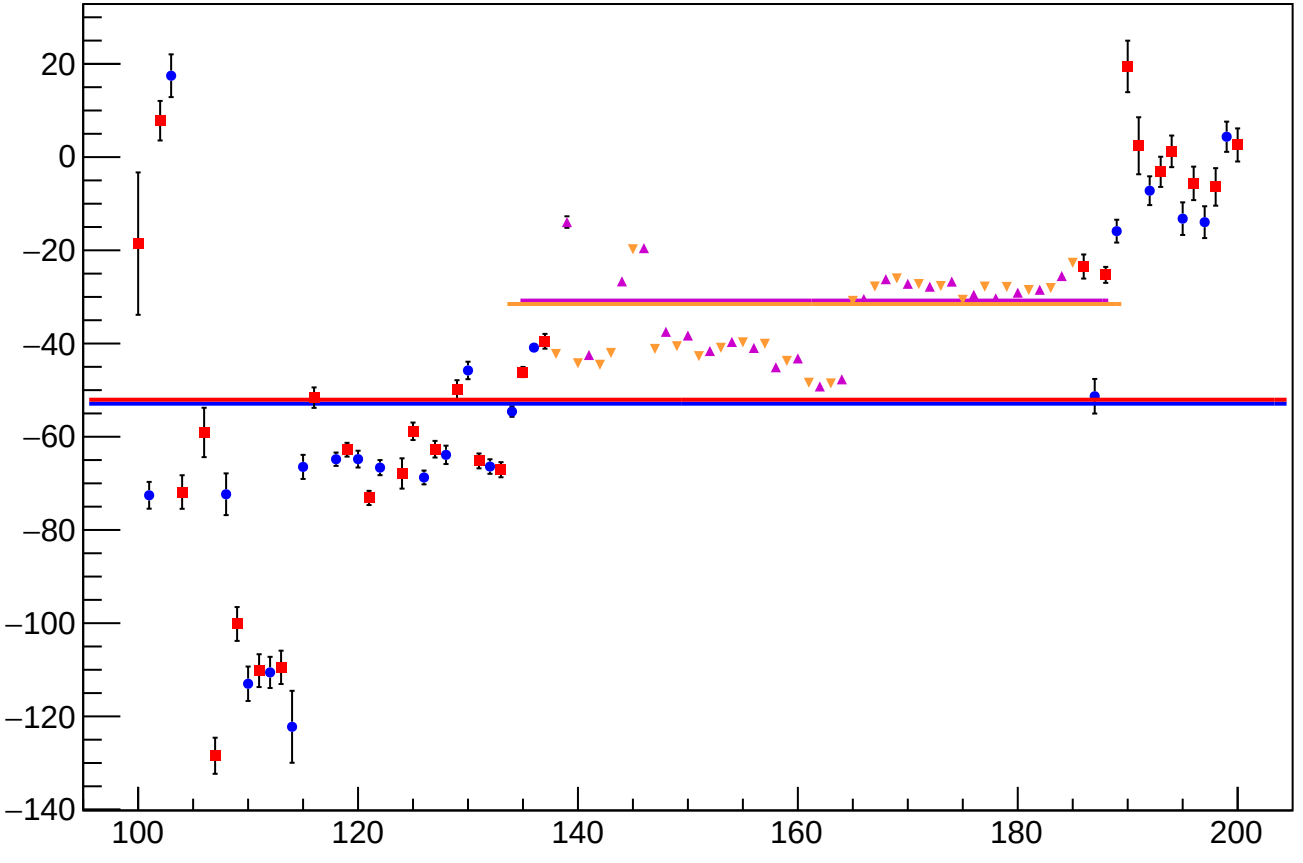
Right: -74.524+/-0.246 χ^2/NDF: 9774.4/49

In: -37.966+/-0.091 χ^2/NDF:25448.8/44

Out: -38.442+/-0.089 χ^2/NDF:31596.7/52

All: -38.211+/-0.064 χ^2/NDF: 57059.4/97

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -52.905+/-0.404 χ^2/NDF: 2640.9/21

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

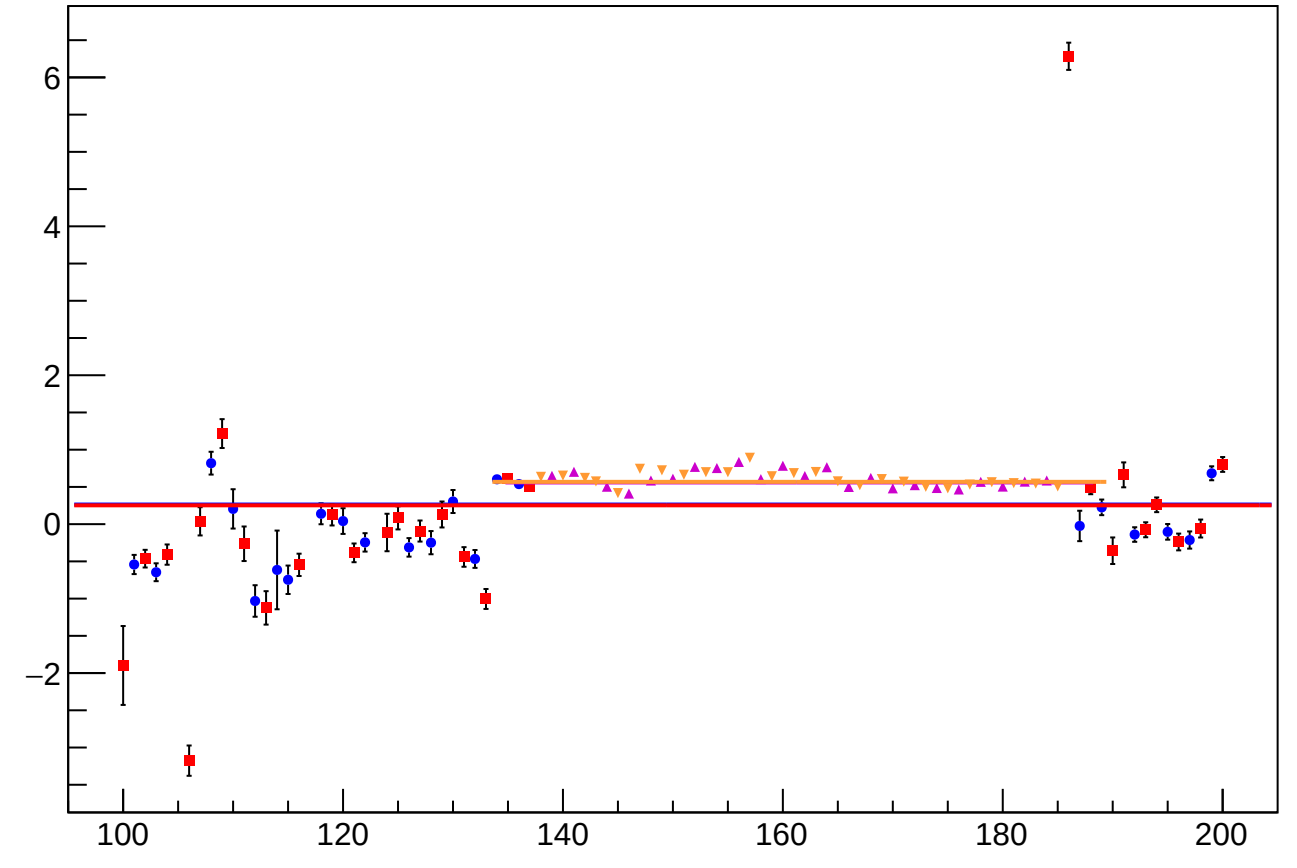
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -52.502+/-0.294 χ^2/NDF: 6159.3/49

In: -31.711+/-0.083 χ^2/NDF:13059.8/44

Out: -32.263+/-0.081 χ^2/NDF:14200.0/52

All: -31.991+/-0.058 χ^2/NDF: 27282.6/97



Right In: 0.263+/-0.020 χ^2/NDF: 446.0/21

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.253+/-0.022 χ^2/NDF: 1873.1/27

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

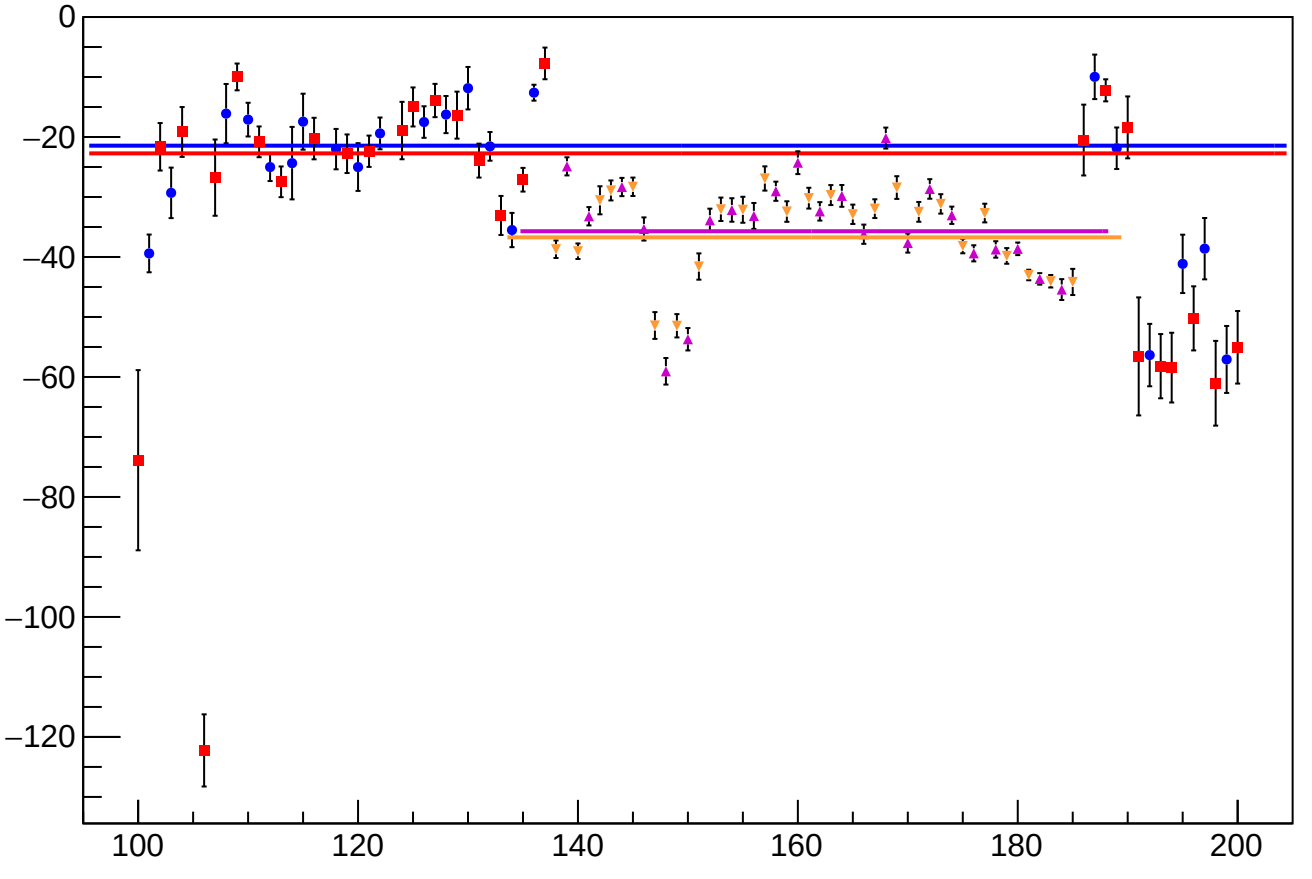
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.258+/-0.015 χ^2/NDF: 2319.2/49

In: 0.550+/-0.004 χ^2/NDF:1321.3/44

Out: 0.559+/-0.004 χ^2/NDF:2631.8/52

All: 0.555+/-0.003 χ^2/NDF: 3956.3/97



Right In: -21.444+/-0.649 χ^2/NDF: 248.4/21

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

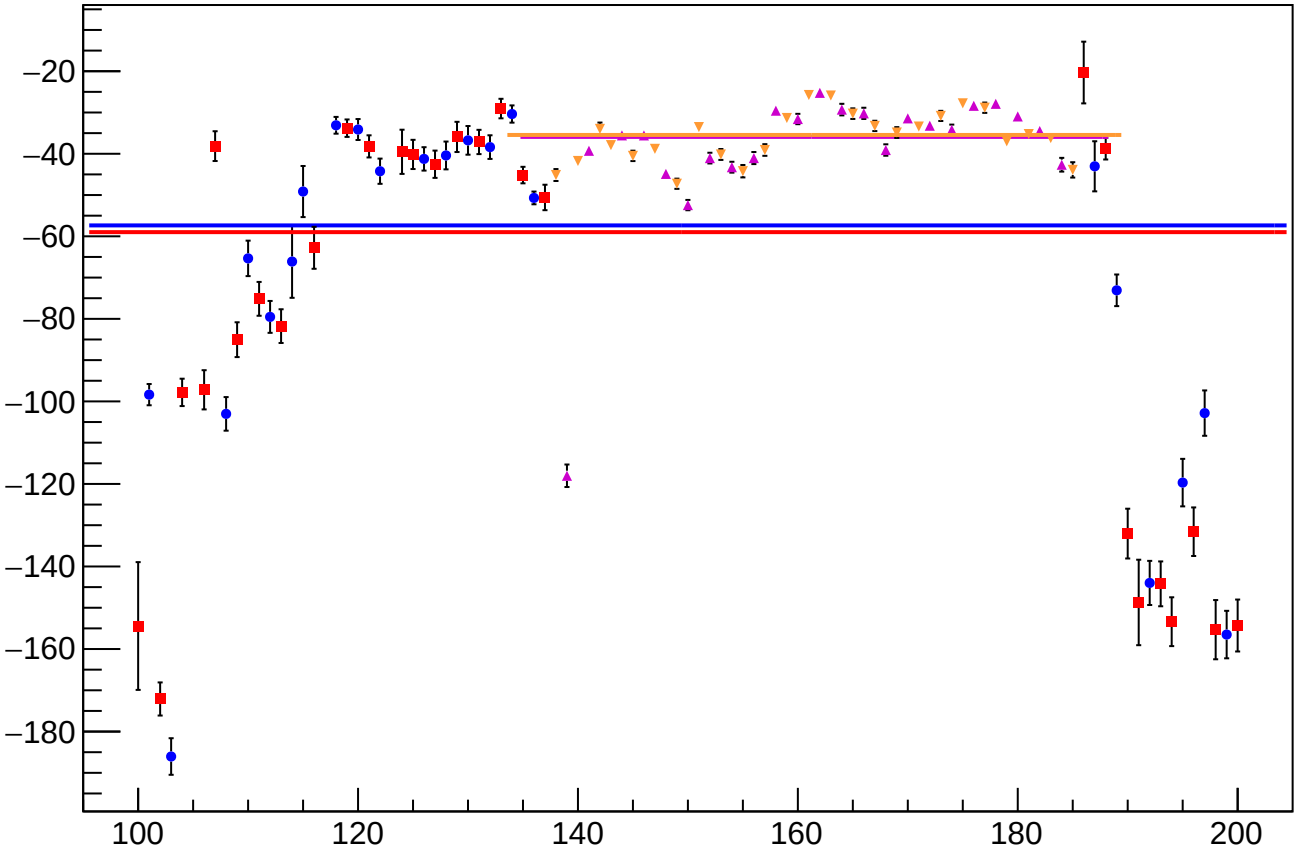
Right: -22.100+/-0.454 χ^2/NDF: 852.1/49

In: -32.869+/-0.289 χ^2/NDF:1214.4/44

Out: -34.026+/-0.279 χ^2/NDF:1415.0/52

All: -33.469+/-0.201 χ^2/NDF: 2637.7/97

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.358+/-0.671 χ^2/NDF: 2596.8/21

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

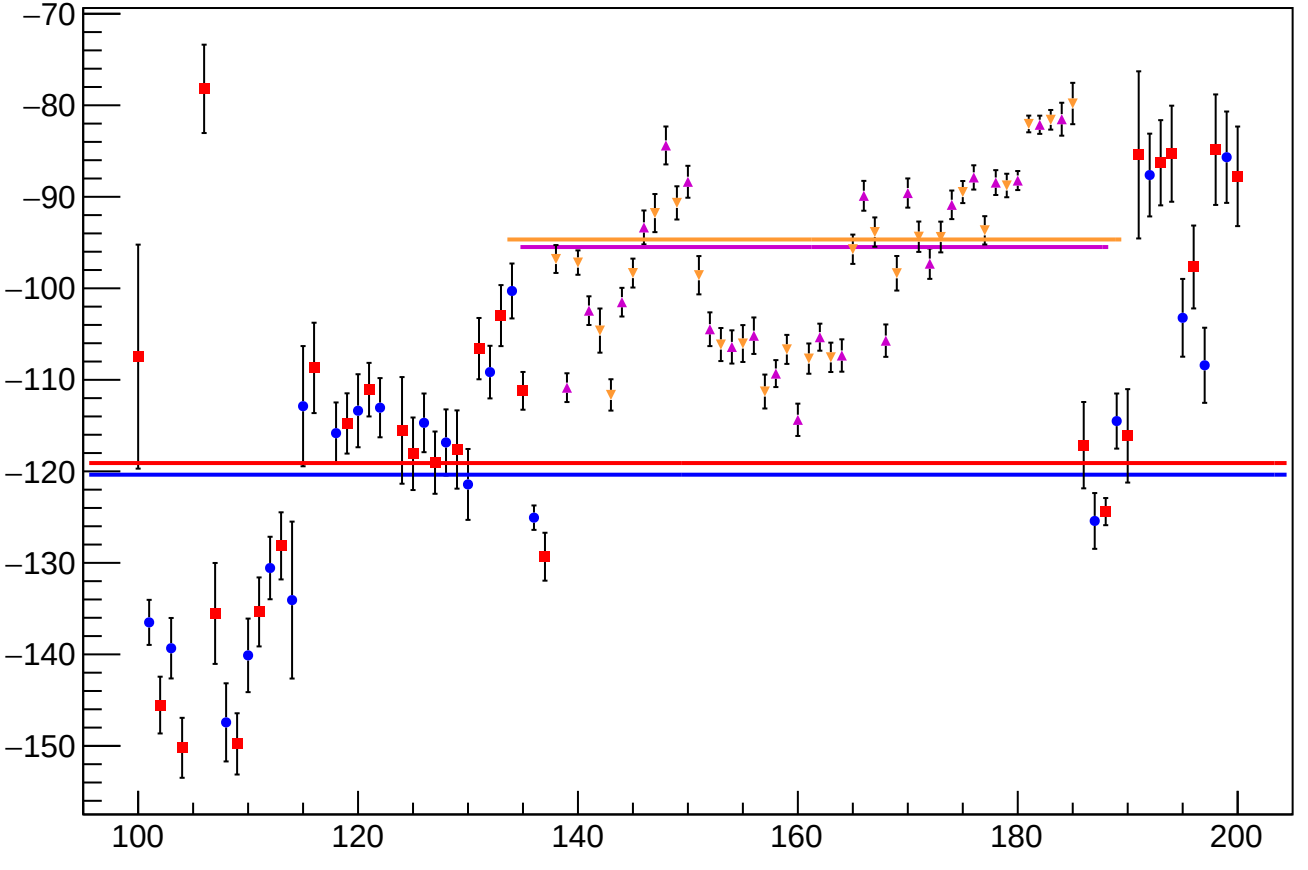
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -58.155+/-0.480 χ^2/NDF: 5702.6/49

In: -38.637+/-0.239 χ^2/NDF:5030.4/44

Out: -38.101+/-0.231 χ^2/NDF:4684.6/52

All: -38.359+/-0.166 χ^2/NDF: 9717.7/97



Right In: -120.365+/-0.674 χ^2/NDF: 371.5/21

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

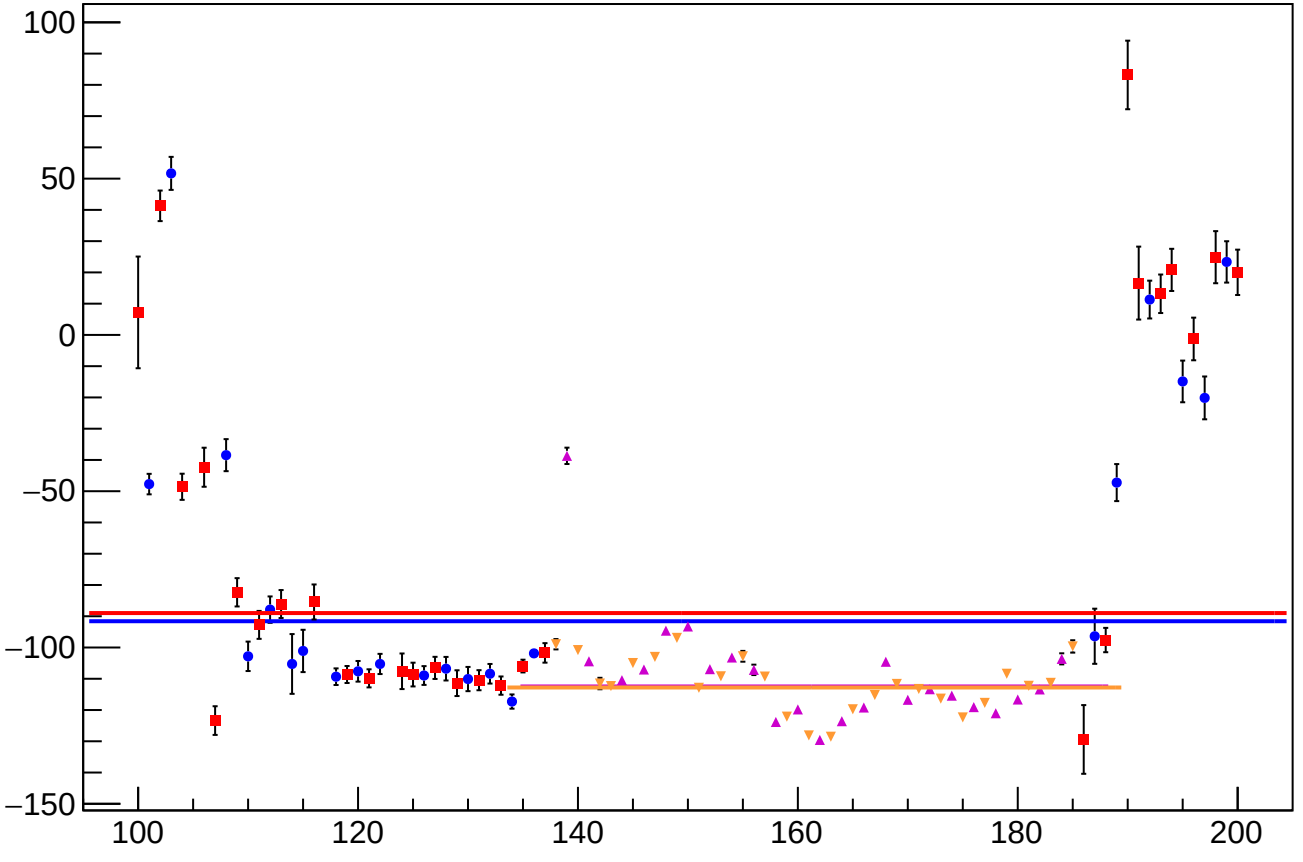
Right: -119.715+/-0.471 χ^2/NDF: 1013.8/49

In: -100.089+/-0.290 χ^2/NDF:2450.9/44

Out: -99.081+/-0.280 χ^2/NDF:2665.1/52

All: -99.569+/-0.202 χ^2/NDF: 5122.3/97

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -91.593+/-0.761 χ^2/NDF: 2281.5/21

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

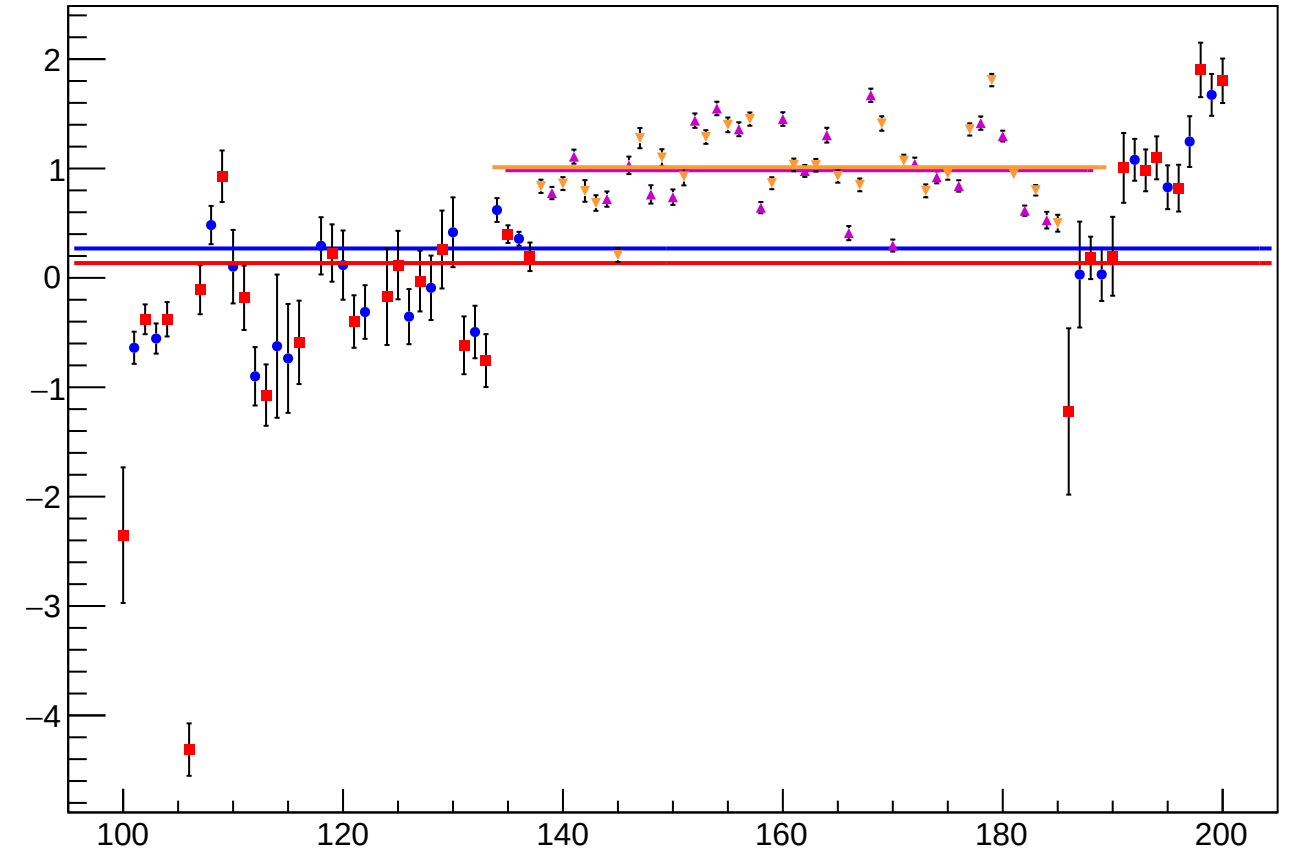
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -90.336+/-0.548 χ^2/NDF: 5090.1/49

In: -109.902+/-0.267 χ^2/NDF:4729.5/44

Out: -110.238+/-0.259 χ^2/NDF:4550.0/52

All: -110.075+/-0.186 χ^2/NDF: 9280.3/97



Right In: 0.269+/-0.038 χ^2/NDF: 235.5/21

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

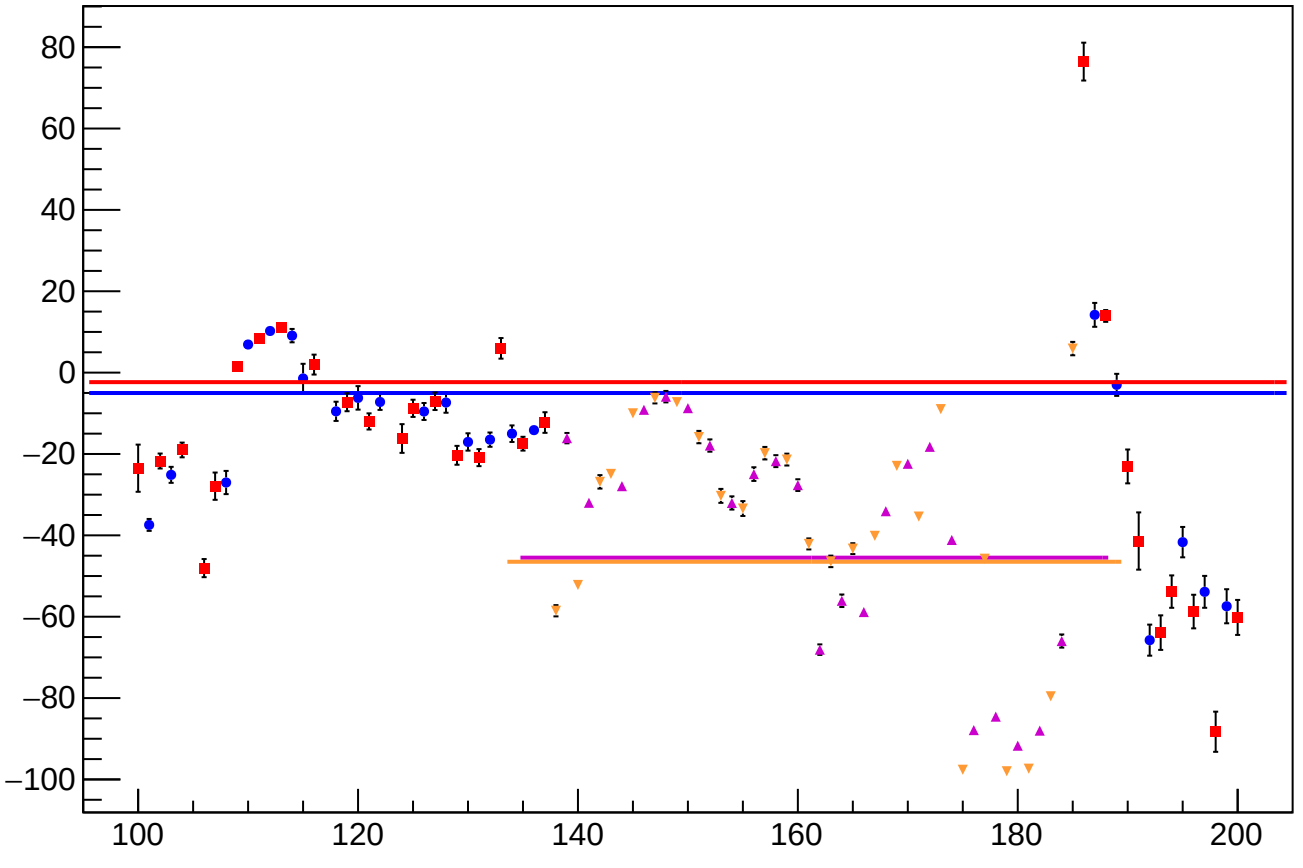
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.205+/-0.027 χ^2/NDF: 883.8/49

In: 0.913+/-0.012 χ^2/NDF:1461.4/44

Out: 0.933+/-0.012 χ^2/NDF:1793.0/52

All: 0.923+/-0.008 χ^2/NDF: 3255.9/97



Right In: -5.013+/-0.364 χ^2/NDF: 2249.6/21

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

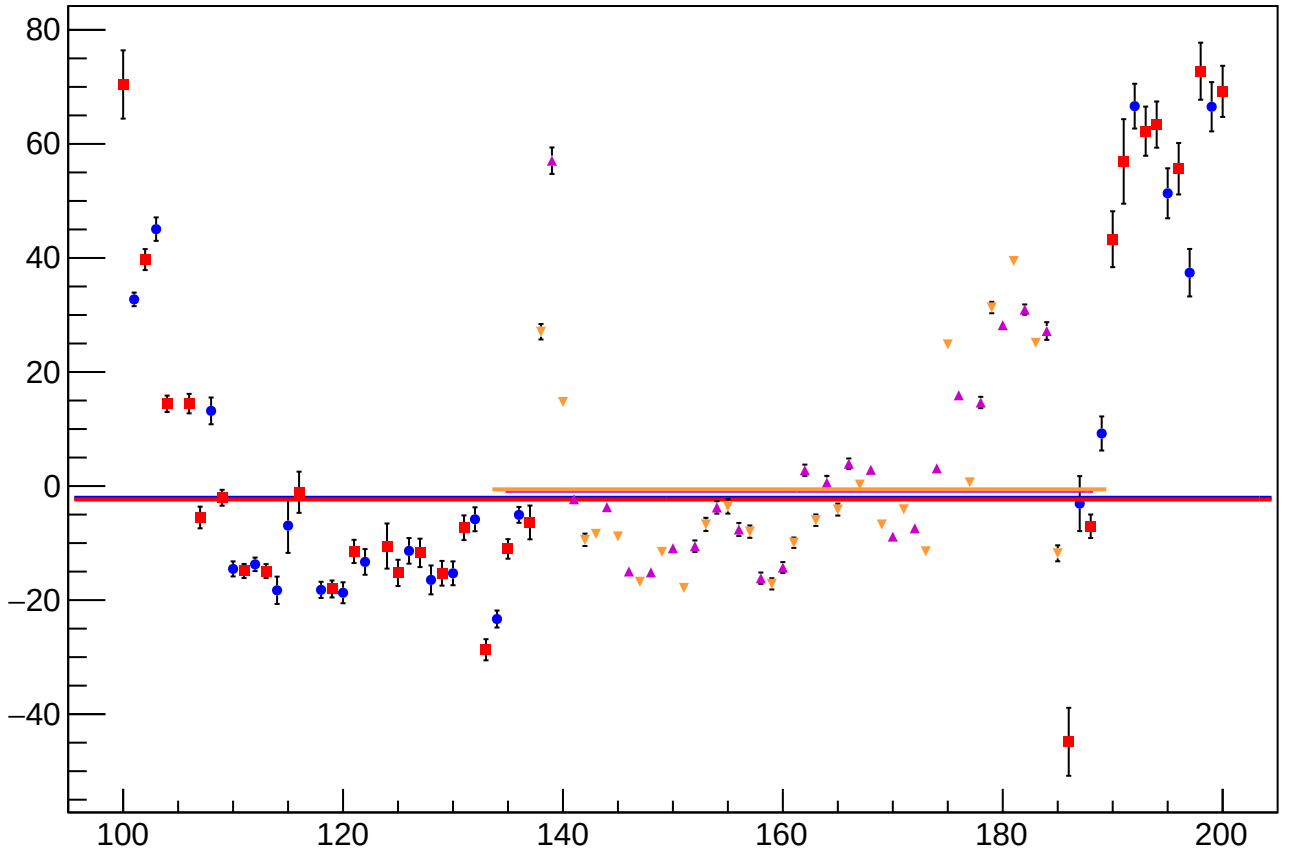
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

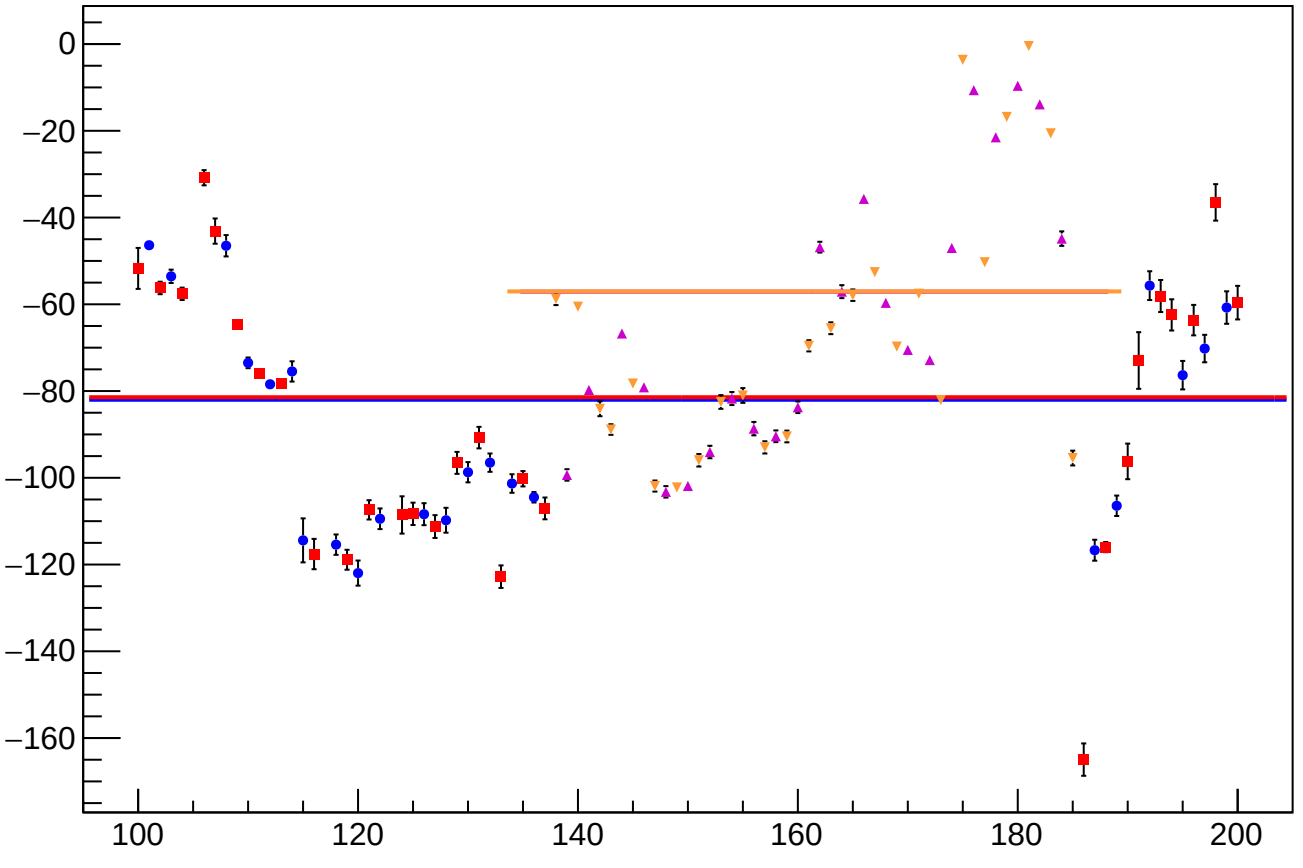
Right: -3.517+/-0.241 χ^2/NDF: 5326.4/49

In: -33.375+/-0.199 χ^2/NDF:26497.9/44

Out: -31.612+/-0.187 χ^2/NDF:35504.6/52

All: -32.440+/-0.136 χ^2/NDF: 62044.1/97


reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
120
140
160
180
200
Right In: -2.055+/-0.416 χ²/NDF: 2997.5/21
Left Out: -0.572+/-0.177 χ²/NDF:8451.5/24
Right Out: -2.359+/-0.402 χ²/NDF: 2904.1/27
Left In: -0.828+/-0.183 χ²/NDF:6116.6/22
Left: -0.696+/-0.127 χ²/NDF: 14569.0/47
Right: -2.212+/-0.289 χ²/NDF: 5901.9/49
In: -1.027+/-0.168 χ²/NDF:9121.4/44
Out: -0.863+/-0.162 χ²/NDF:11372.1/52
All: -0.942+/-0.117 χ²/NDF: 20494.0/97



Right In: -82.006+/-0.411 χ^2/NDF: 3300.8/21

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

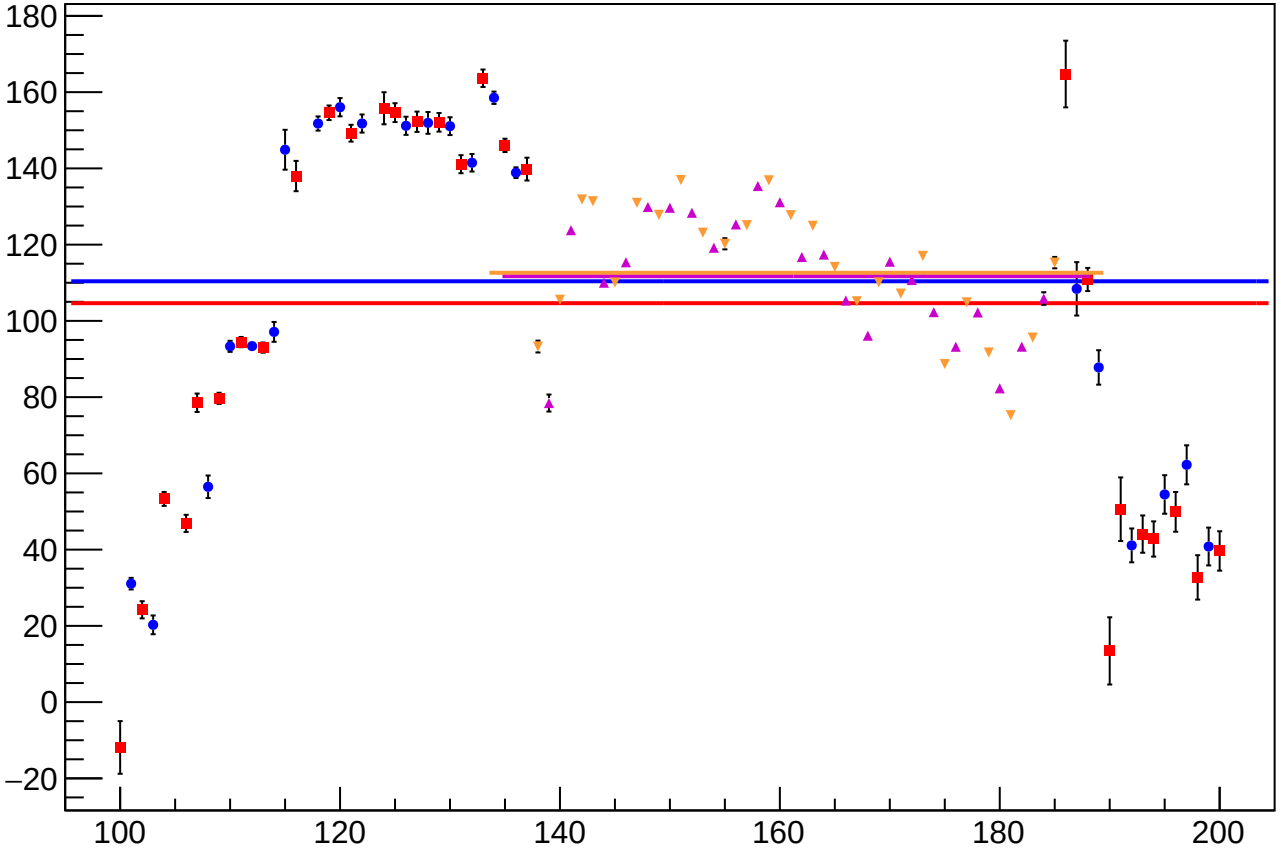
Right: -81.691+/-0.278 χ^2/NDF: 8152.0/49

In: -63.284+/-0.205 χ^2/NDF:23225.4/44

Out: -63.612+/-0.196 χ^2/NDF:28198.7/52

All: -63.455+/-0.142 χ^2/NDF: 51425.5/97

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 110.390+/-0.476 χ^2/NDF: 8911.7/21

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

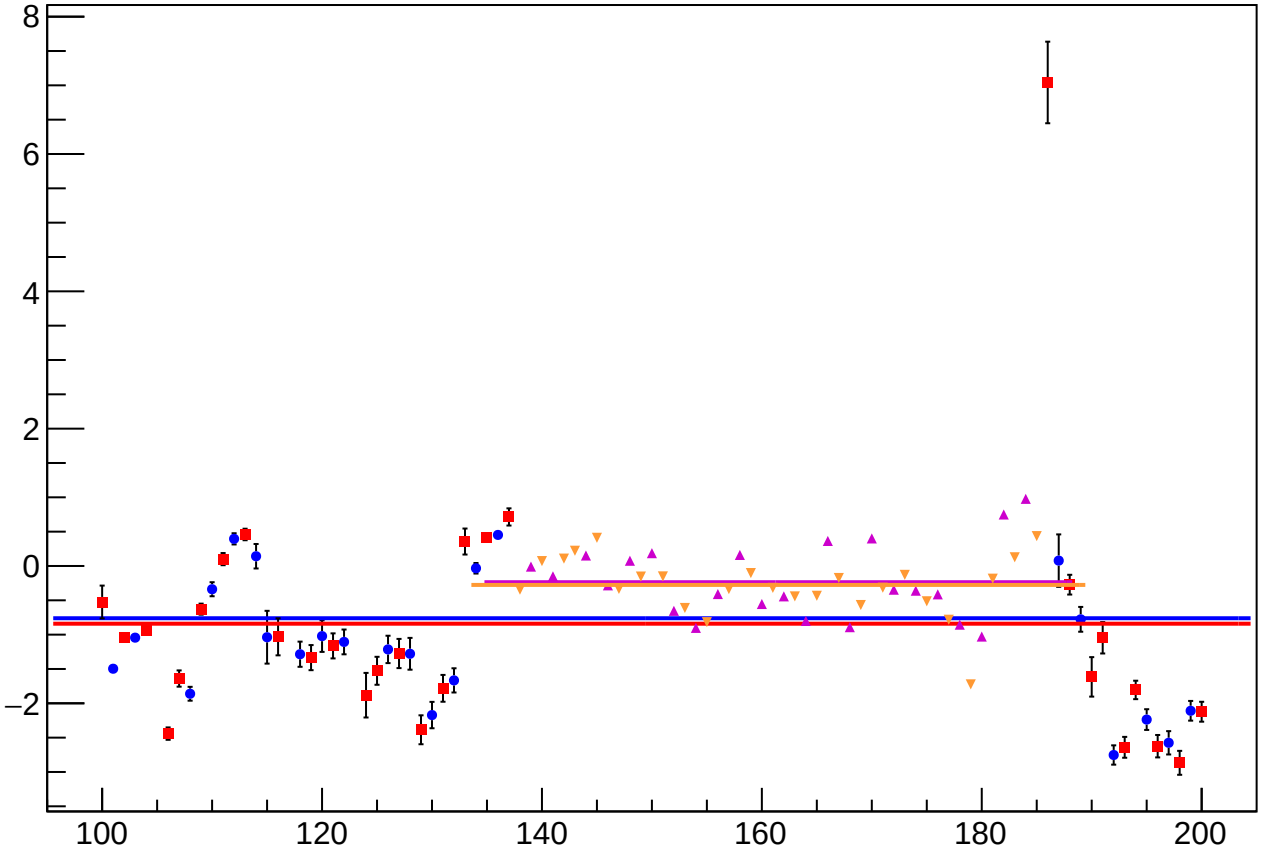
Right: 107.430+/-0.331 χ^2/NDF: 17521.4/49

In: 111.510+/-0.189 χ^2/NDF:13815.1/44

Out: 111.364+/-0.183 χ^2/NDF:15494.3/52

All: 111.435+/-0.132 χ^2/NDF: 29309.7/97

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.761+/-0.024 χ^2/NDF: 1656.4/21

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

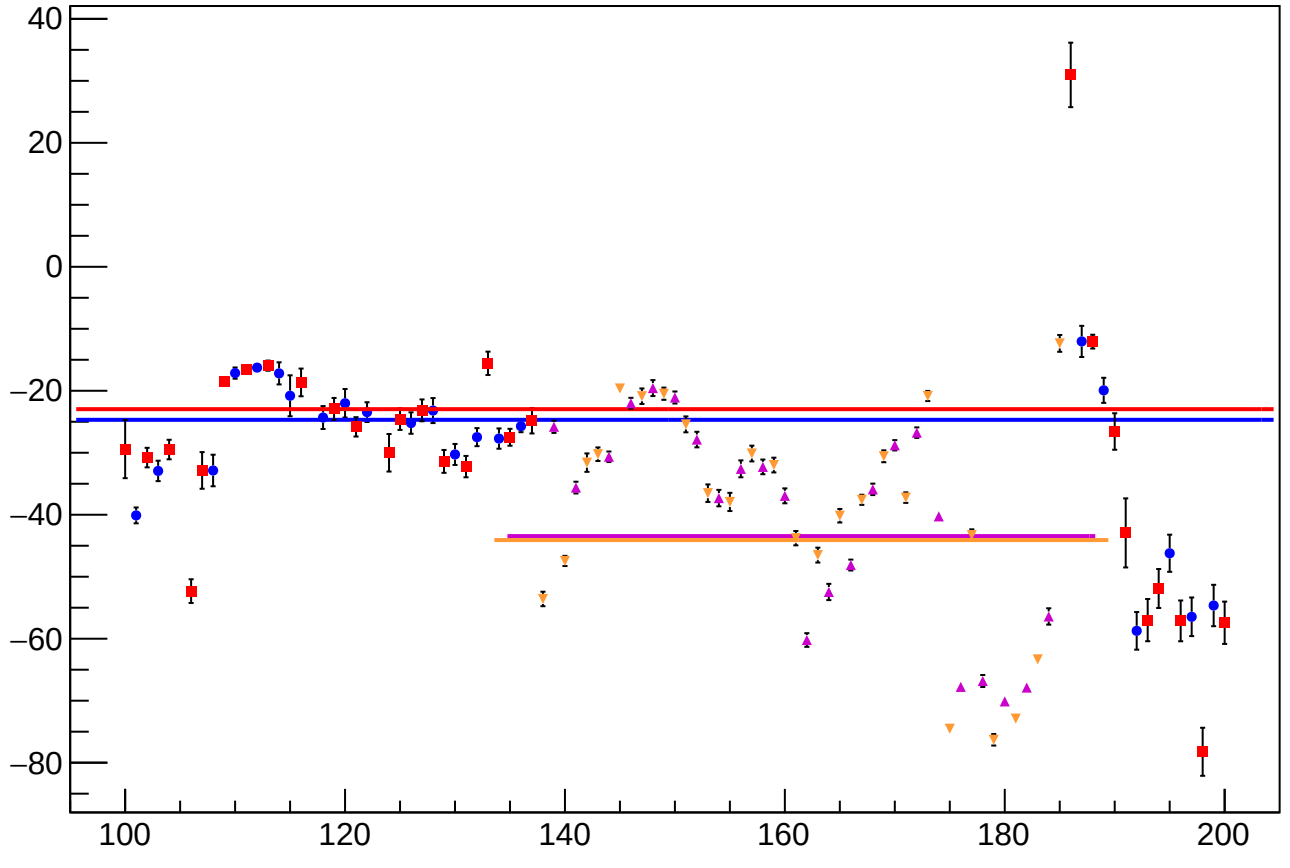
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.803+/-0.017 χ^2/NDF: 3755.3/49

In: -0.303+/-0.009 χ^2/NDF:5030.9/44

Out: -0.350+/-0.008 χ^2/NDF:4734.5/52

All: -0.327+/-0.006 χ^2/NDF: 9780.8/97



Right In: -24.685+/-0.332 χ^2/NDF: 808.9/21

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

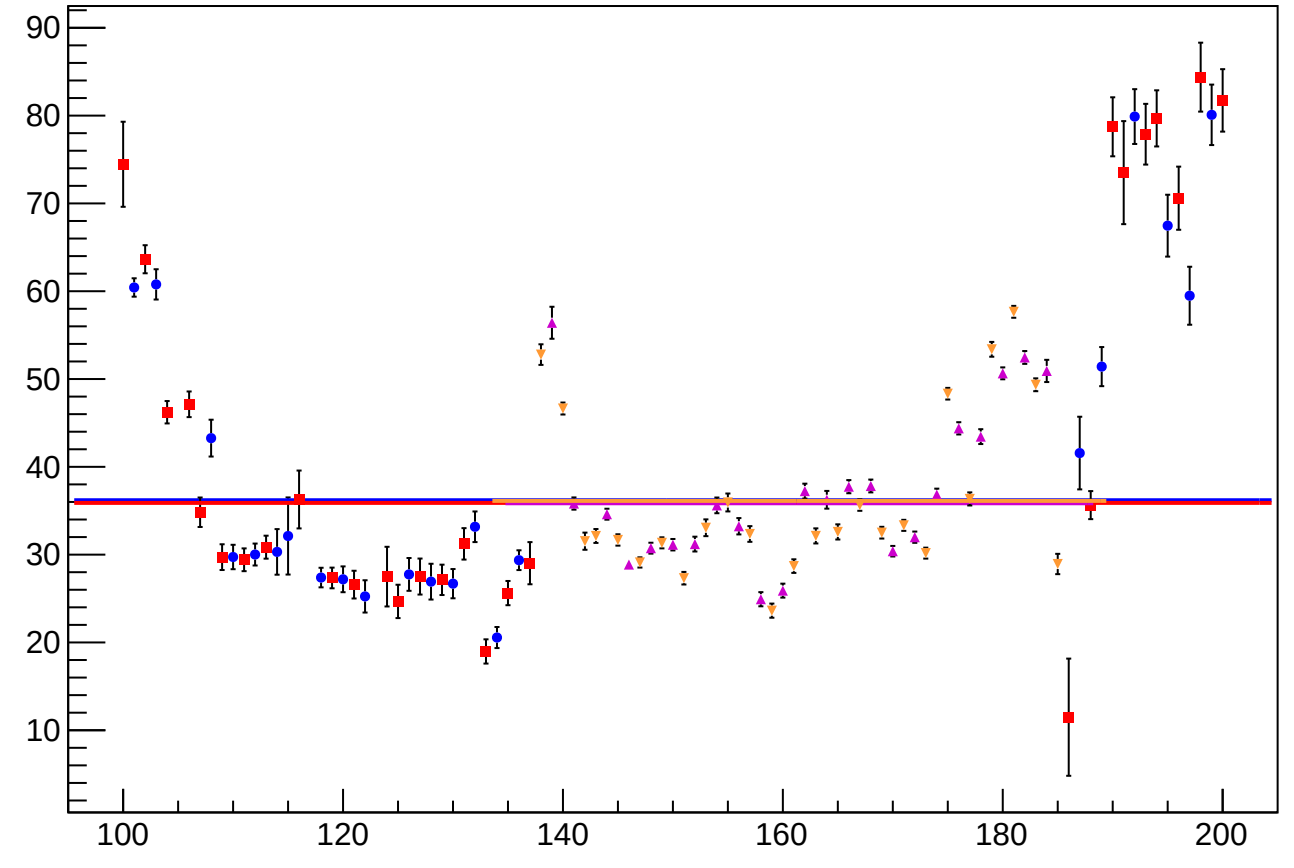
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -23.739+/-0.223 χ^2/NDF: 2194.7/49

In: -38.502+/-0.171 χ^2/NDF:10977.3/44

Out: -37.914+/-0.162 χ^2/NDF:15210.9/52

All: -38.193+/-0.118 χ^2/NDF: 26194.4/97



Right In: 36.195+/-0.360 χ^2/NDF: 1757.0/21

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

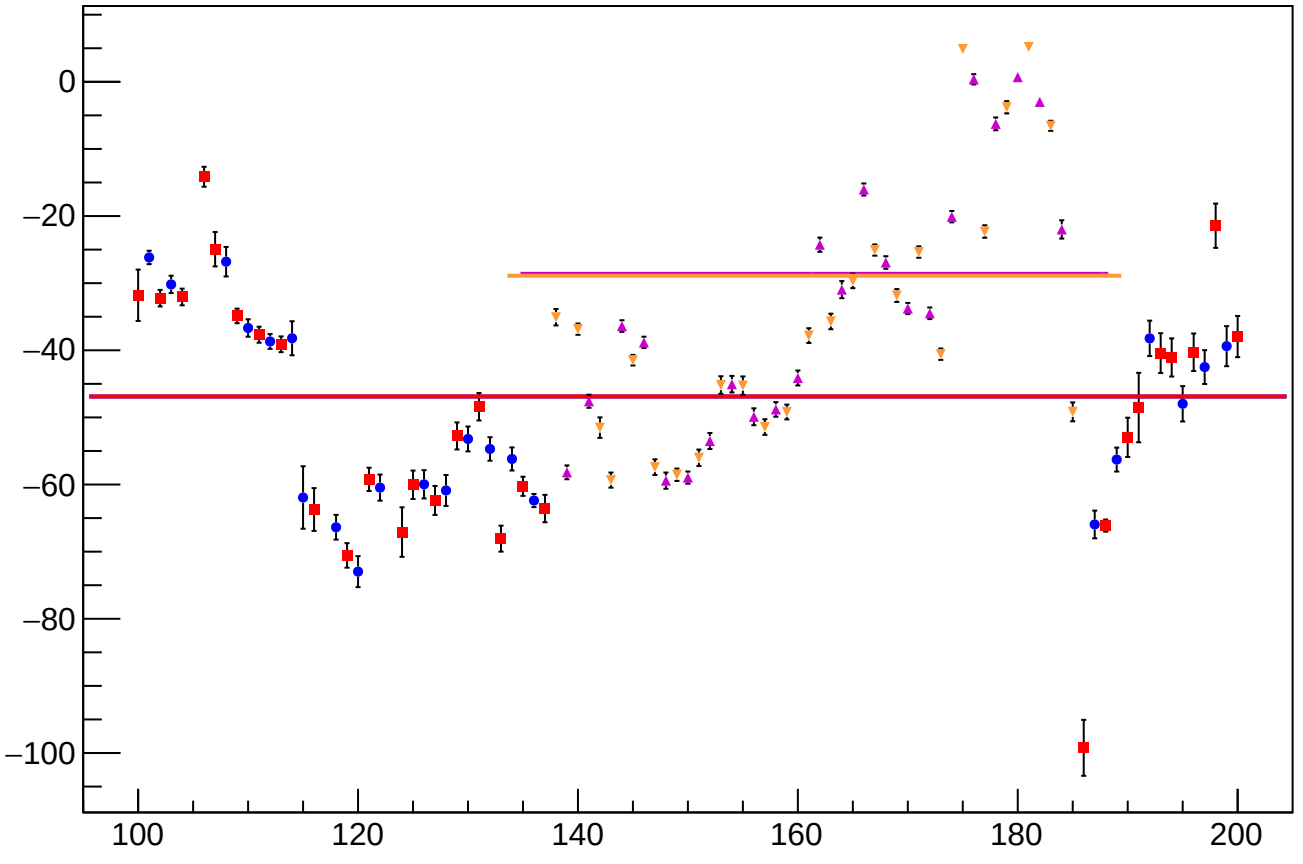
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 36.040+/-0.251 χ^2/NDF: 3660.2/49

In: 35.906+/-0.142 χ^2/NDF:4051.3/44

Out: 36.088+/-0.138 χ^2/NDF:5461.7/52

All: 35.999+/-0.099 χ^2/NDF: 9513.9/97



Right In: -46.890+/-0.361 χ^2/NDF: 1626.3/21

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

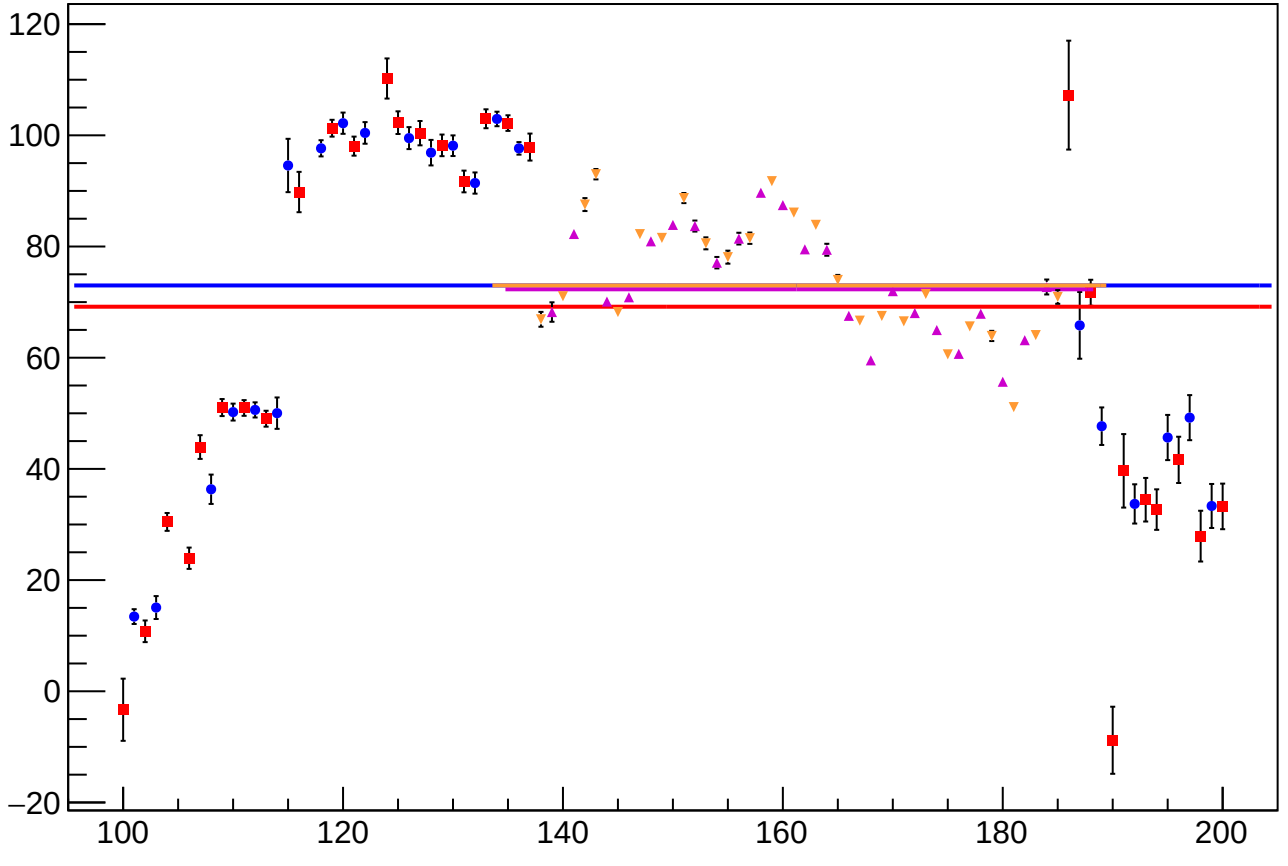
Right: -46.883+/-0.245 χ^2/NDF: 4060.7/49

In: -32.832+/-0.173 χ^2/NDF:13617.2/44

Out: -33.398+/-0.167 χ^2/NDF:16414.3/52

All: -33.126+/-0.120 χ^2/NDF: 30037.1/97

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.995+/-0.413 χ^2/NDF: 6212.9/21

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

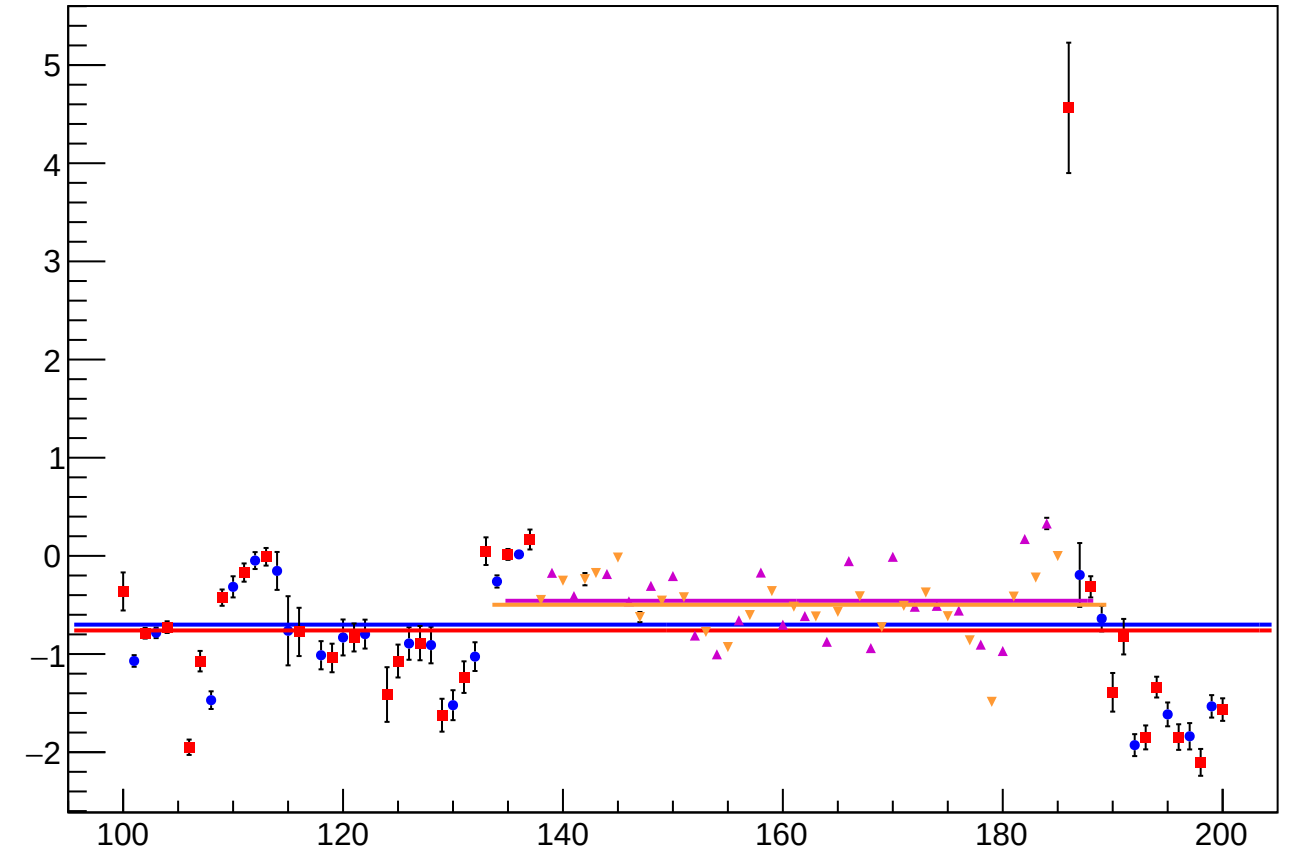
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 71.050+/-0.290 χ^2/NDF: 12498.0/49

In: 72.406+/-0.160 χ^2/NDF:9127.8/44

Out: 72.439+/-0.156 χ^2/NDF:10369.9/52

All: 72.423+/-0.112 χ^2/NDF: 19497.7/97



Right In: -0.701+/-0.021 χ^2/NDF: 836.0/21

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

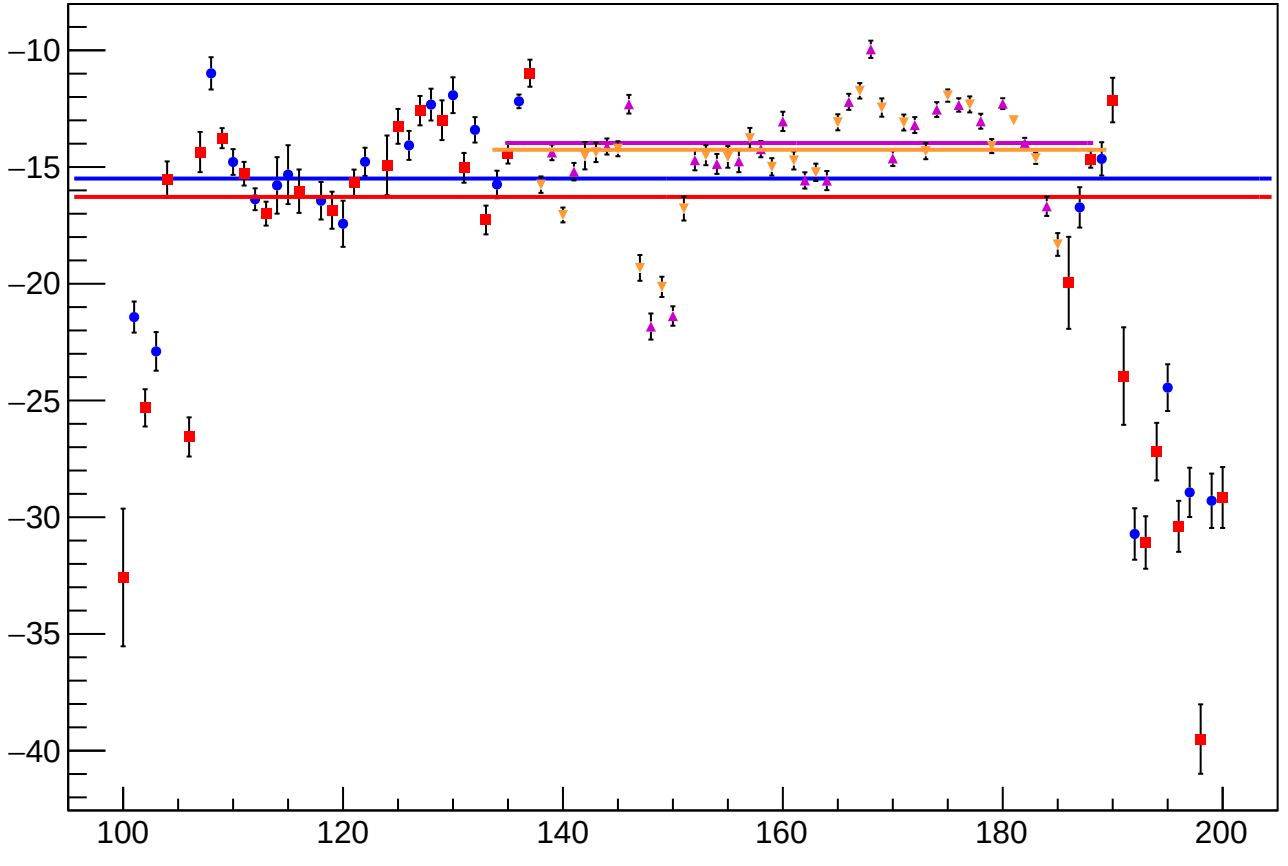
Right: -0.731+/-0.014 χ^2/NDF: 1987.8/49

In: -0.487+/-0.007 χ^2/NDF:3062.0/44

Out: -0.531+/-0.007 χ^2/NDF:2781.4/52

All: -0.509+/-0.005 χ^2/NDF: 5862.1/97

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.494+/-0.139 χ^2/NDF: 982.7/21

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

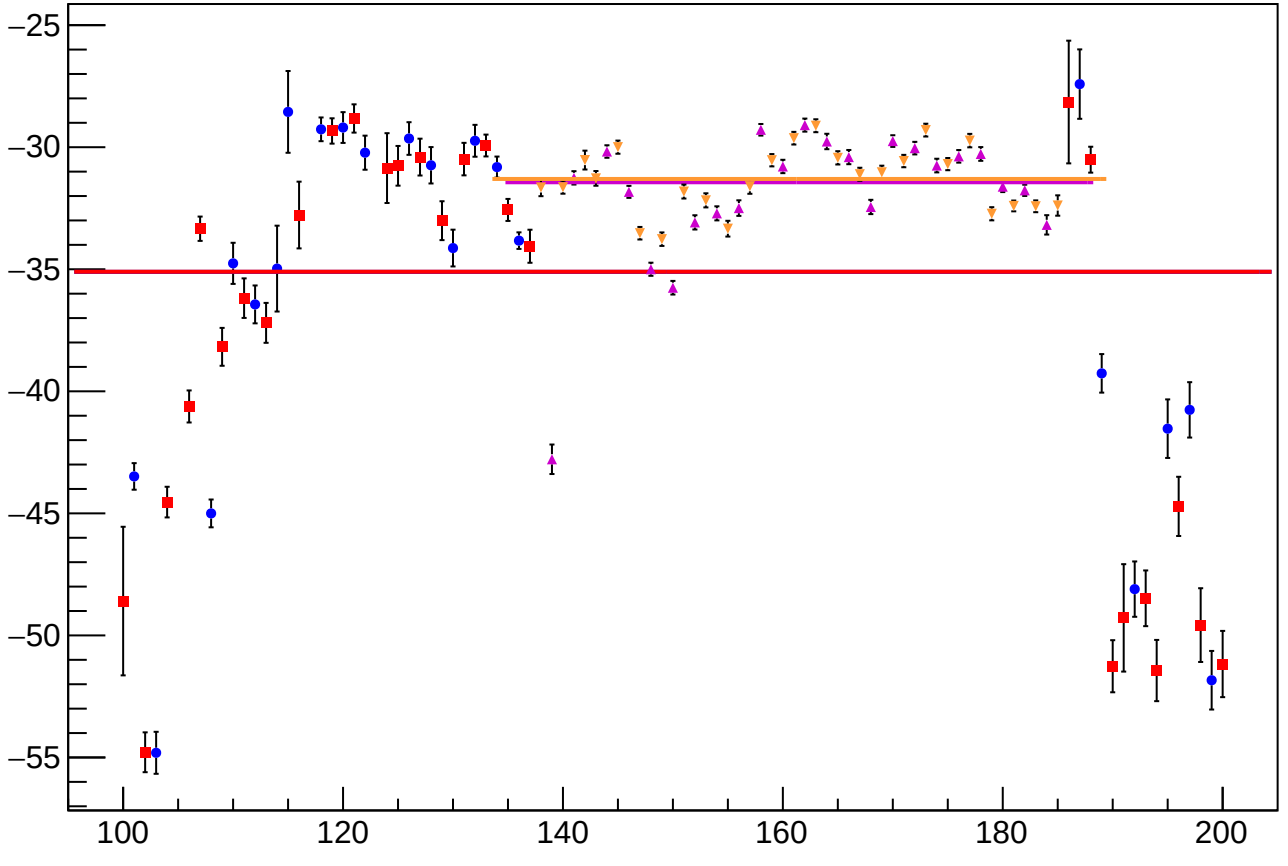
Right: -15.906+/-0.096 χ^2/NDF: 2346.0/49

In: -14.291+/-0.064 χ^2/NDF:1984.8/44

Out: -14.697+/-0.062 χ^2/NDF:2252.2/52

All: -14.501+/-0.044 χ^2/NDF: 4258.0/97

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -35.106+/-0.145 χ^2/NDF: 2083.0/21

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

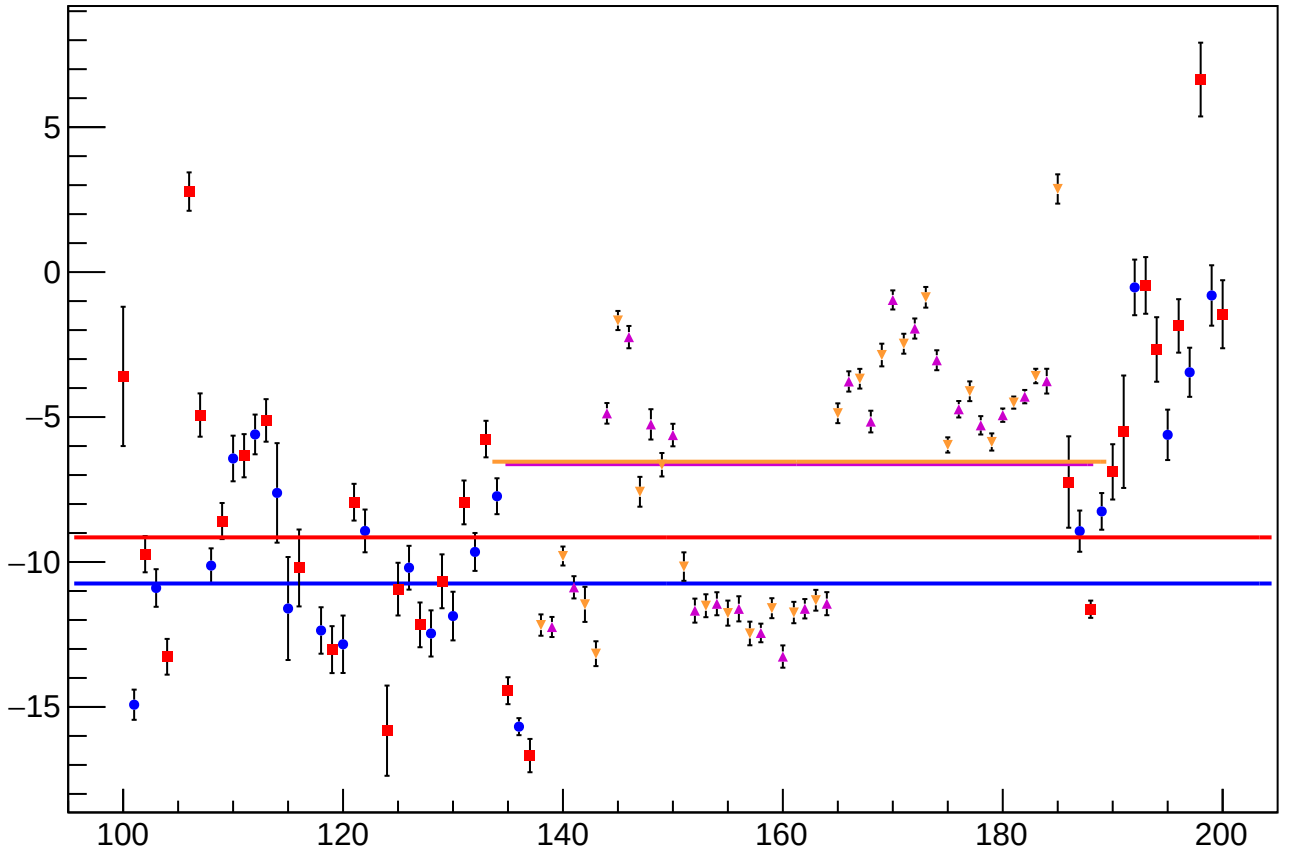
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.104+/-0.101 χ^2/NDF: 4515.1/49

In: -31.932+/-0.053 χ^2/NDF:3852.5/44

Out: -31.803+/-0.051 χ^2/NDF:3611.3/52

All: -31.865+/-0.037 χ^2/NDF: 7466.8/97



Right In: -10.742+/-0.144 χ^2/NDF: 821.7/21

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

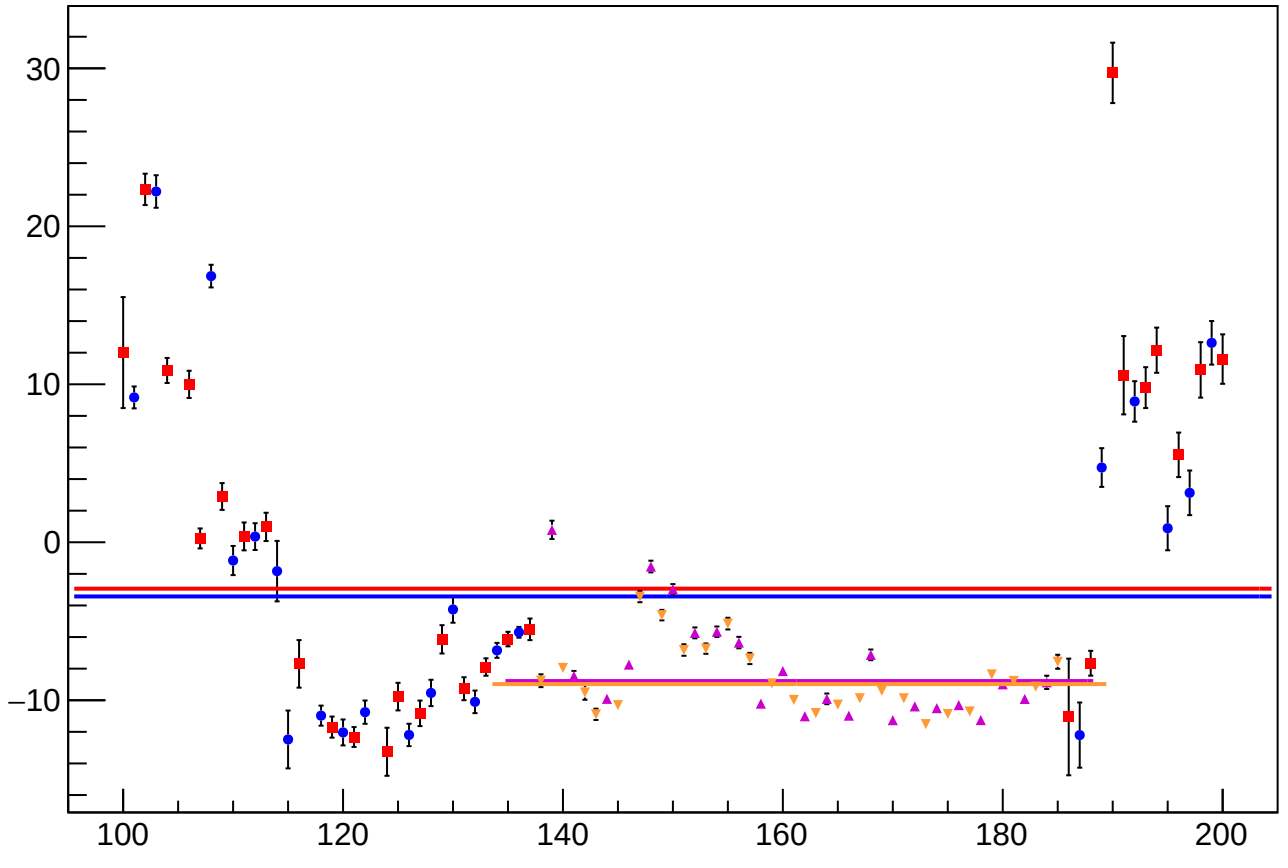
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.900+/-0.099 χ^2/NDF: 2191.8/49

In: -7.438+/-0.064 χ^2/NDF:4385.2/44

Out: -7.081+/-0.062 χ^2/NDF:4840.4/52

All: -7.254+/-0.044 χ^2/NDF: 9241.7/97



Right In: -3.429+/-0.165 χ^2/NDF: 2864.7/21

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

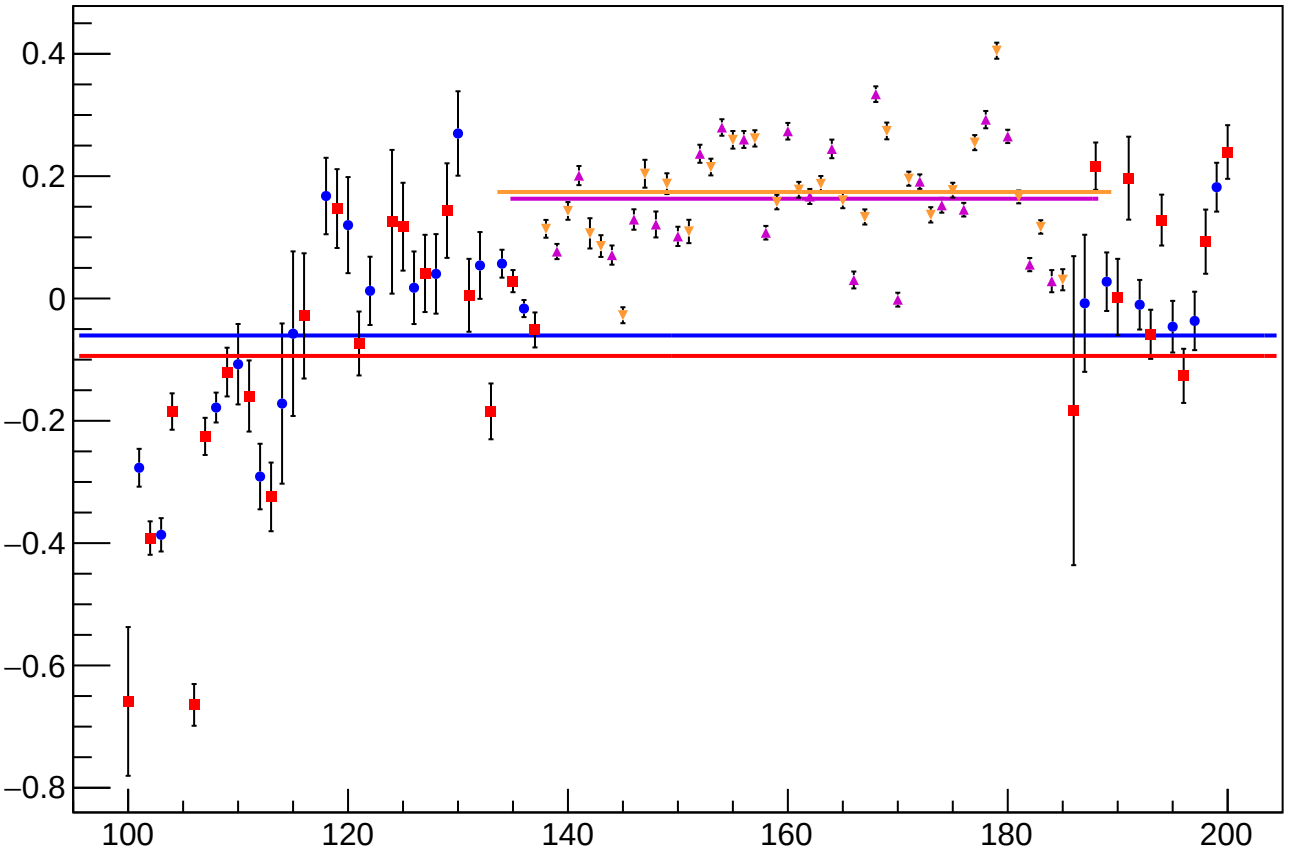
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.184+/-0.117 χ^2/NDF: 5767.1/49

In: -8.094+/-0.059 χ^2/NDF:5470.9/44

Out: -8.242+/-0.058 χ^2/NDF:5046.5/52

All: -8.170+/-0.041 χ^2/NDF: 10520.7/97



Right In: -0.060+/-0.008 χ^2/NDF: 365.5/21

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

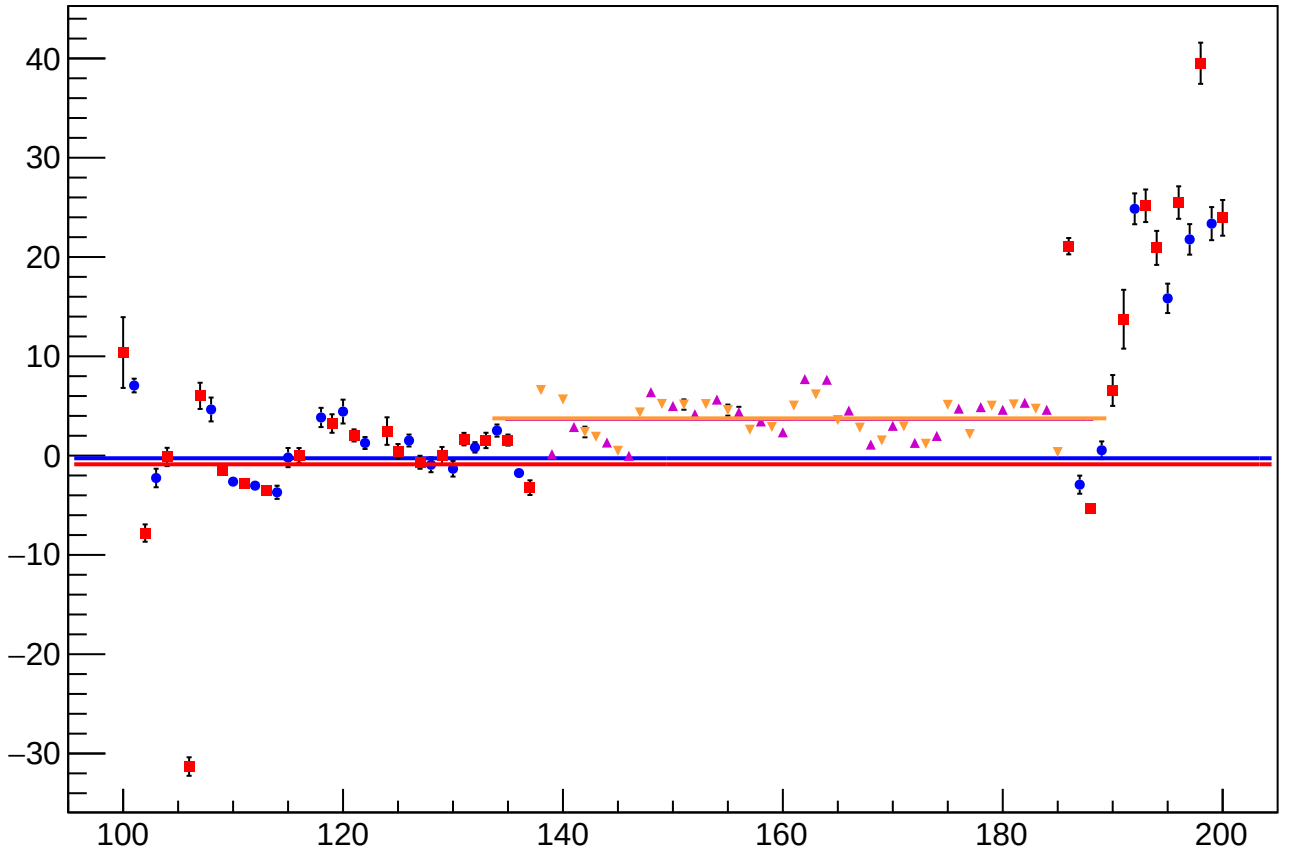
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.077+/-0.006 χ^2/NDF: 1121.5/49

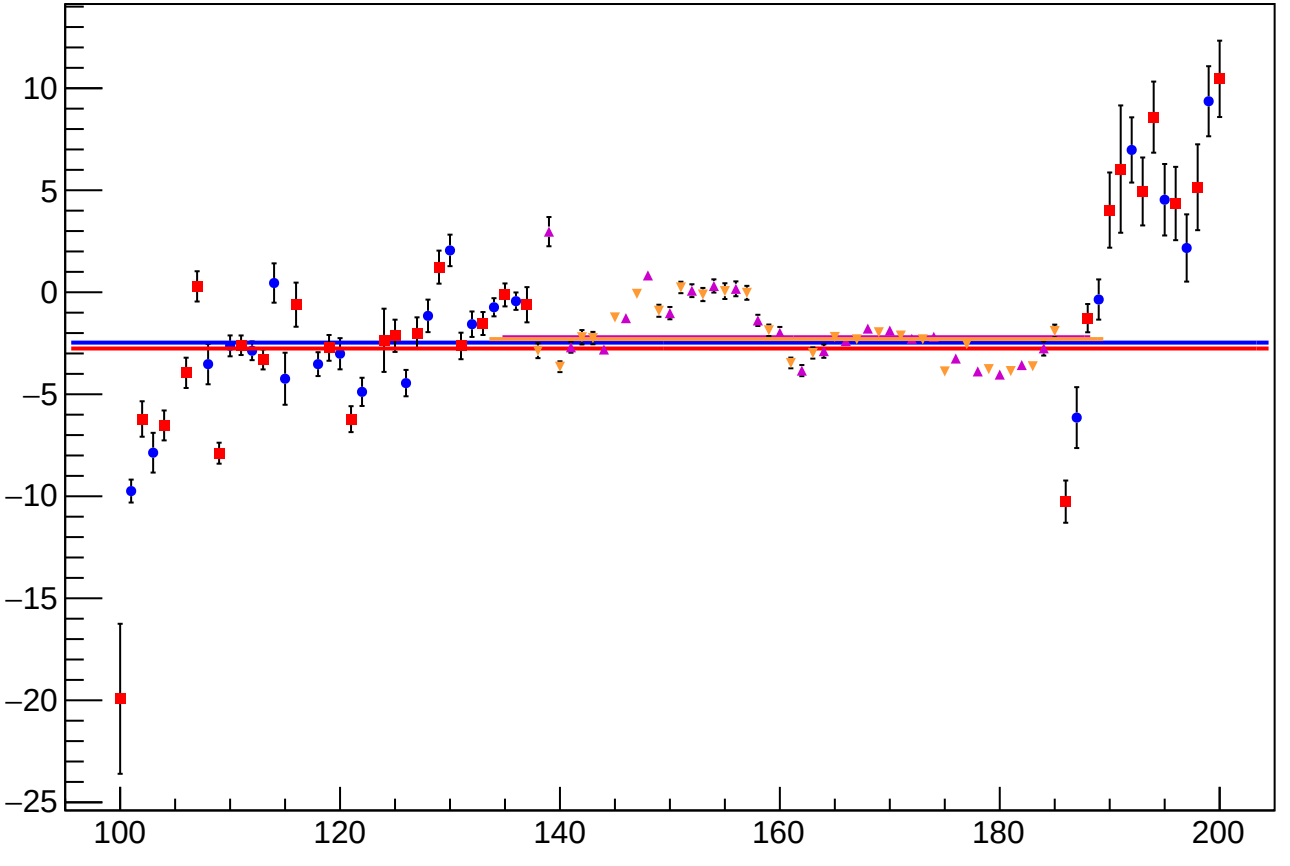
In: 0.138+/-0.003 χ^2/NDF:2287.3/44

Out: 0.146+/-0.003 χ^2/NDF:2691.7/52

All: 0.142+/-0.002 χ^2/NDF: 4983.5/97


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: -0.266+/-0.132 χ²/NDF: 1196.2/21
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: -0.596+/-0.089 χ²/NDF: 4685.5/49
In: 2.934+/-0.057 χ²/NDF:2879.8/44
Out: 2.787+/-0.055 χ²/NDF:5446.9/52
All: 2.857+/-0.040 χ²/NDF: 8330.0/97

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.468+/-0.151 χ^2/NDF: 430.6/21

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

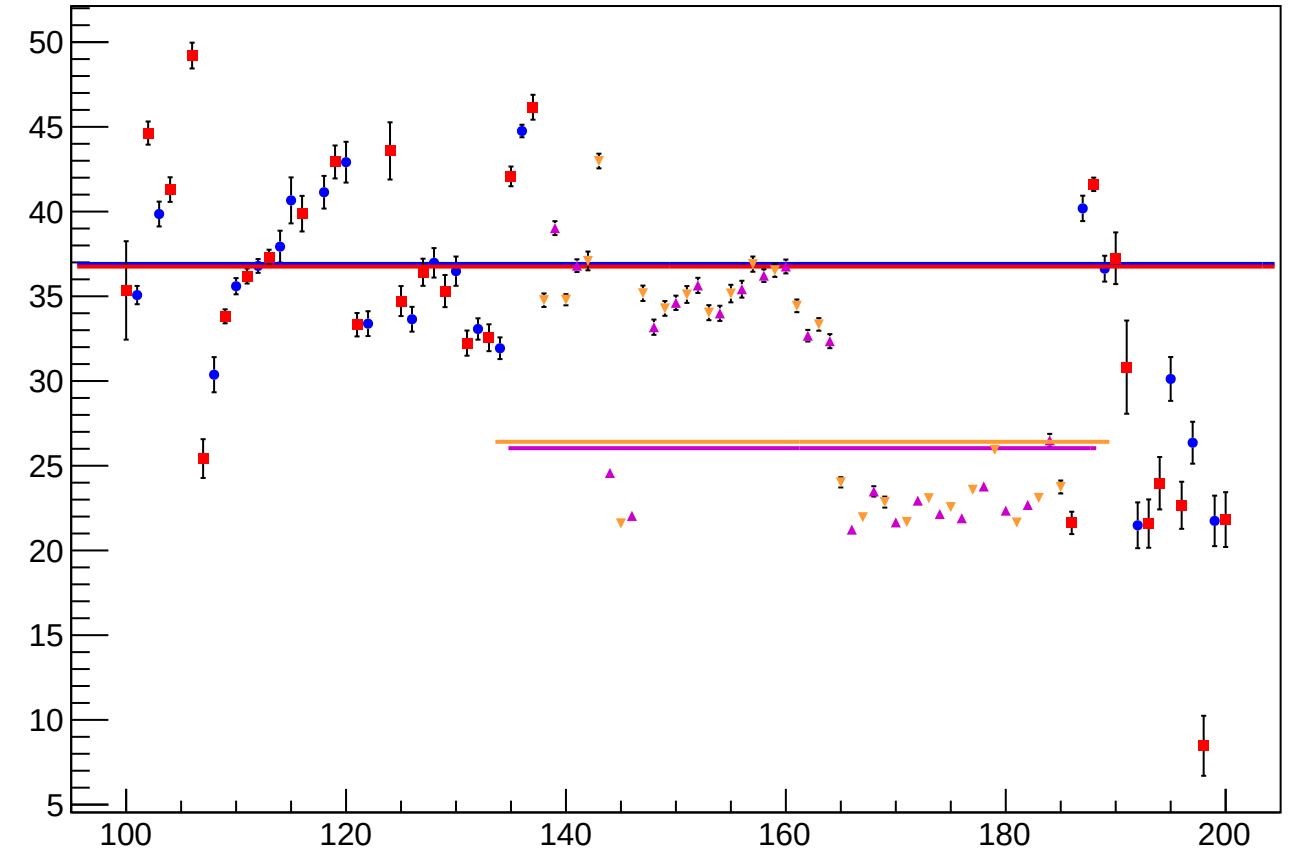
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.614+/-0.106 χ^2/NDF: 931.3/49

In: -2.231+/-0.048 χ^2/NDF:1158.0/44

Out: -2.341+/-0.047 χ^2/NDF:1139.1/52

All: -2.287+/-0.034 χ^2/NDF: 2299.7/97



Right In: 36.910+/-0.150 χ^2/NDF: 1071.5/21

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

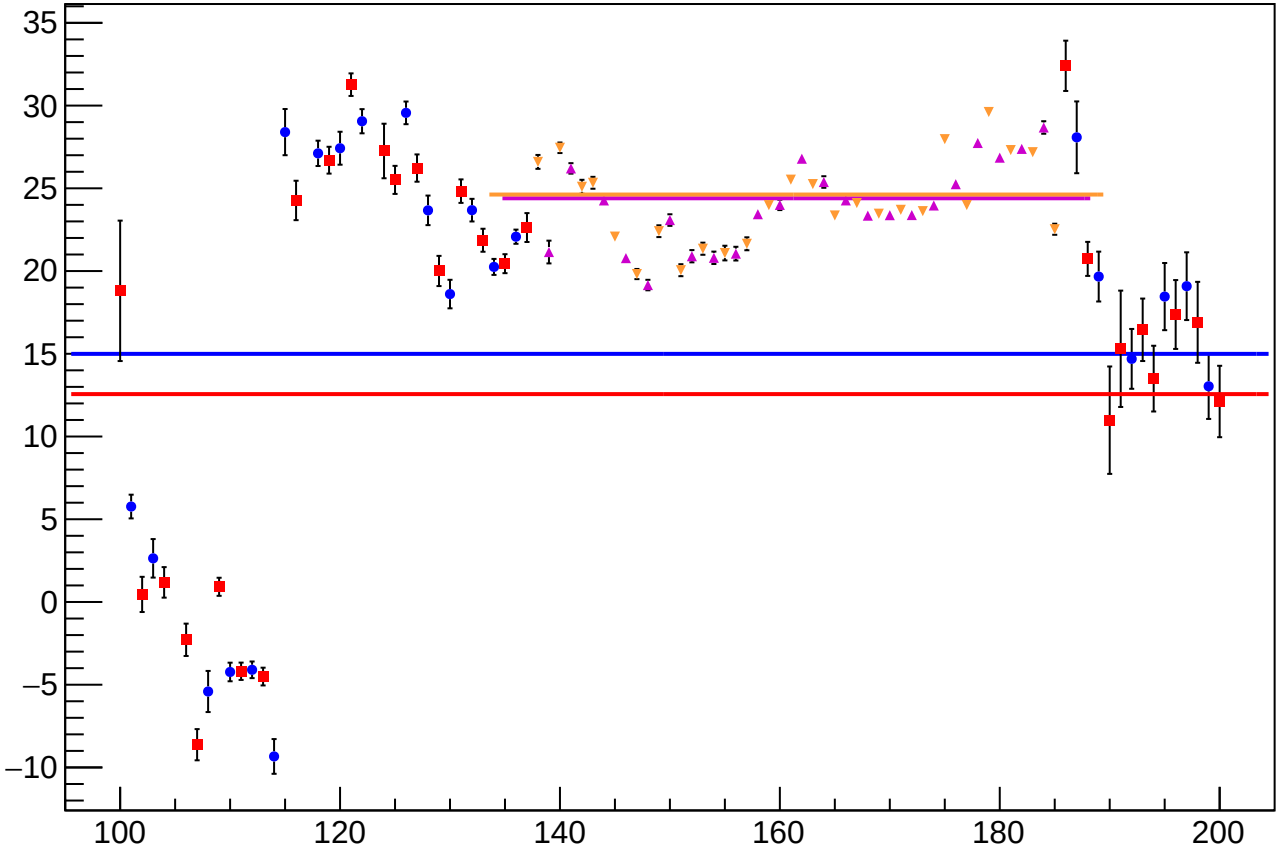
Right: 36.827+/-0.103 χ^2/NDF: 3379.7/49

In: 27.706+/-0.059 χ^2/NDF:13364.3/44

Out: 28.111+/-0.057 χ^2/NDF:16062.9/52

All: 27.915+/-0.041 χ^2/NDF: 29451.7/97

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.995+/-0.170 χ^2/NDF: 5741.4/21

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

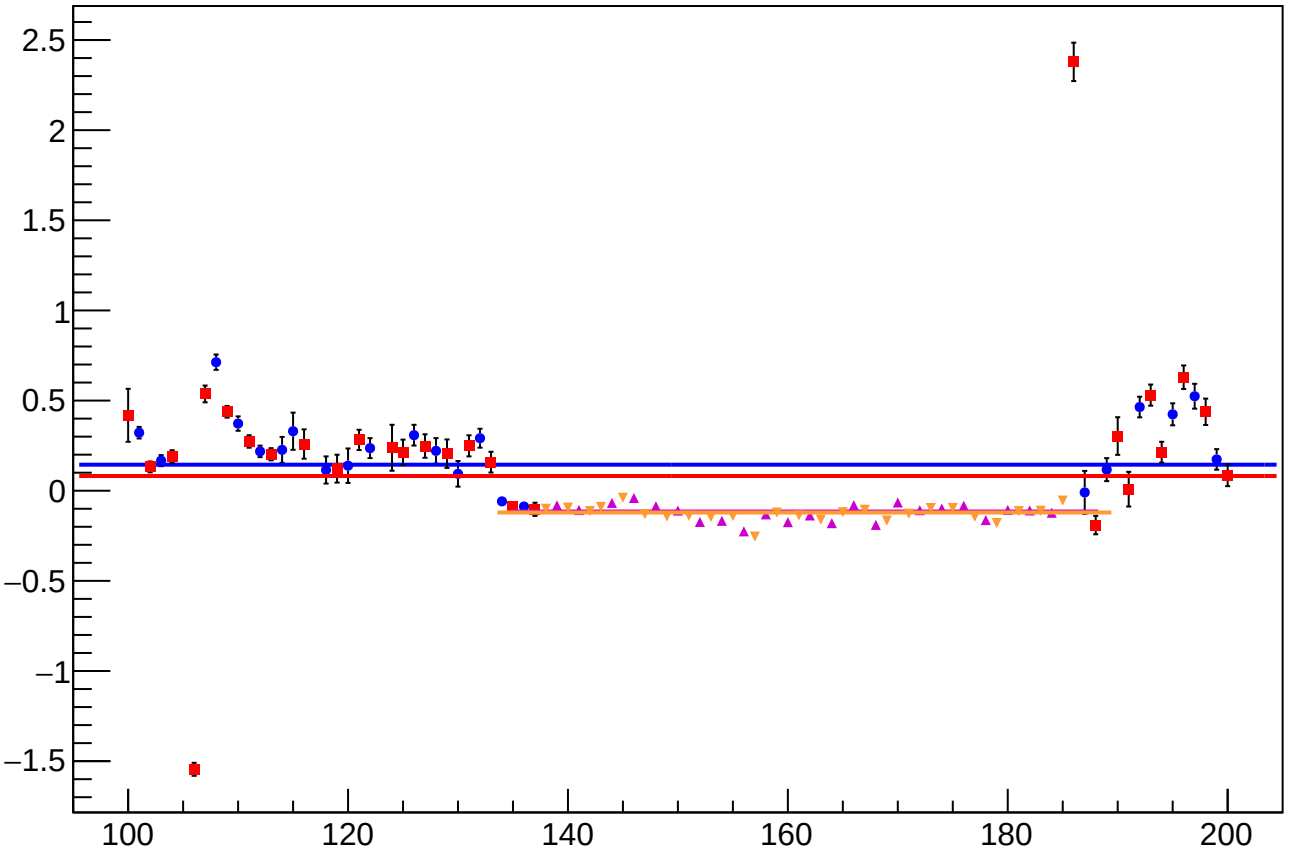
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.781+/-0.120 χ^2/NDF: 12208.7/49

In: 23.459+/-0.054 χ^2/NDF:10224.2/44

Out: 23.472+/-0.052 χ^2/NDF:12878.9/52

All: 23.466+/-0.037 χ^2/NDF: 23103.1/97



Right In: 0.144+/-0.009 χ^2/NDF: 610.0/21

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

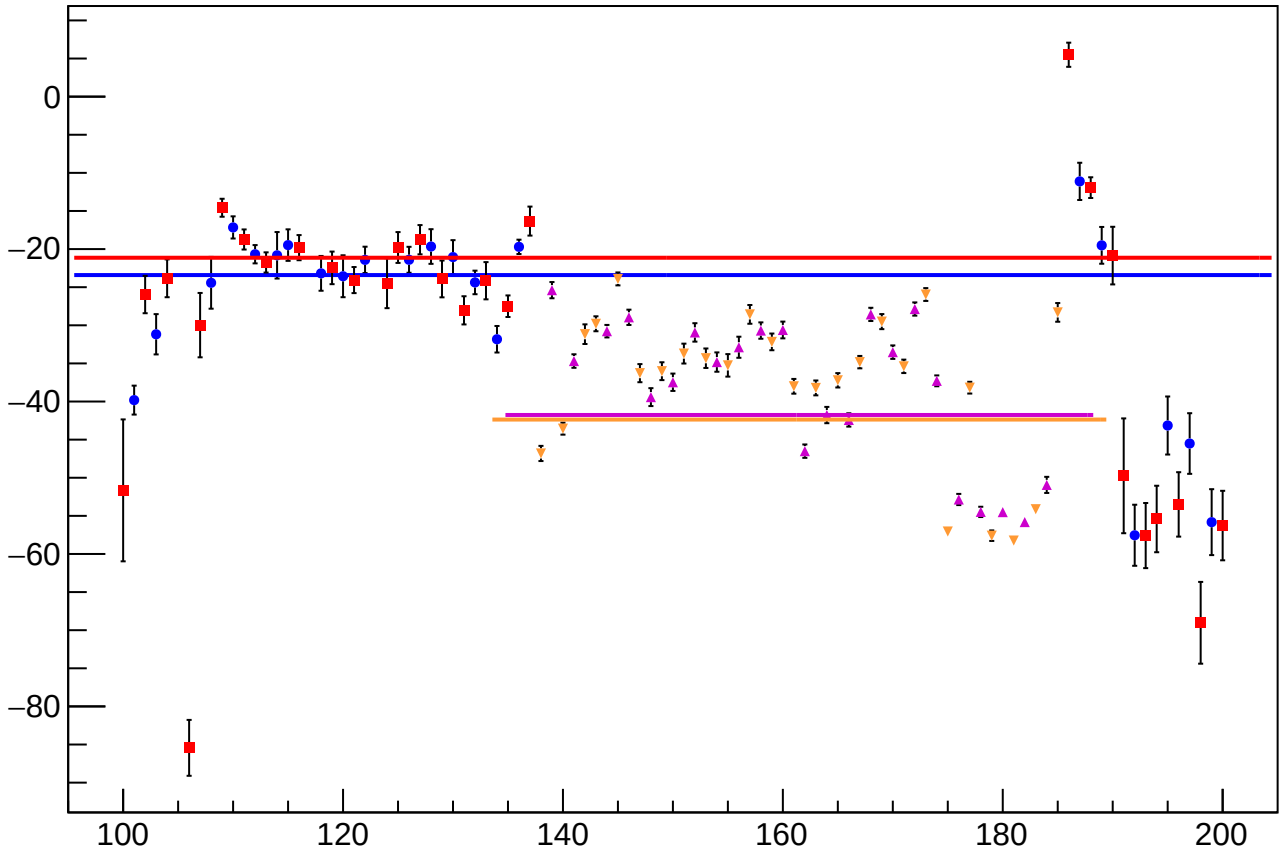
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.113+/-0.006 χ^2/NDF: 3727.5/49

In: -0.096+/-0.002 χ^2/NDF:1693.7/44

Out: -0.107+/-0.002 χ^2/NDF:3829.4/52

All: -0.101+/-0.002 χ^2/NDF: 5532.9/97



Right In: -23.409+/-0.412 χ^2/NDF: 371.8/21

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

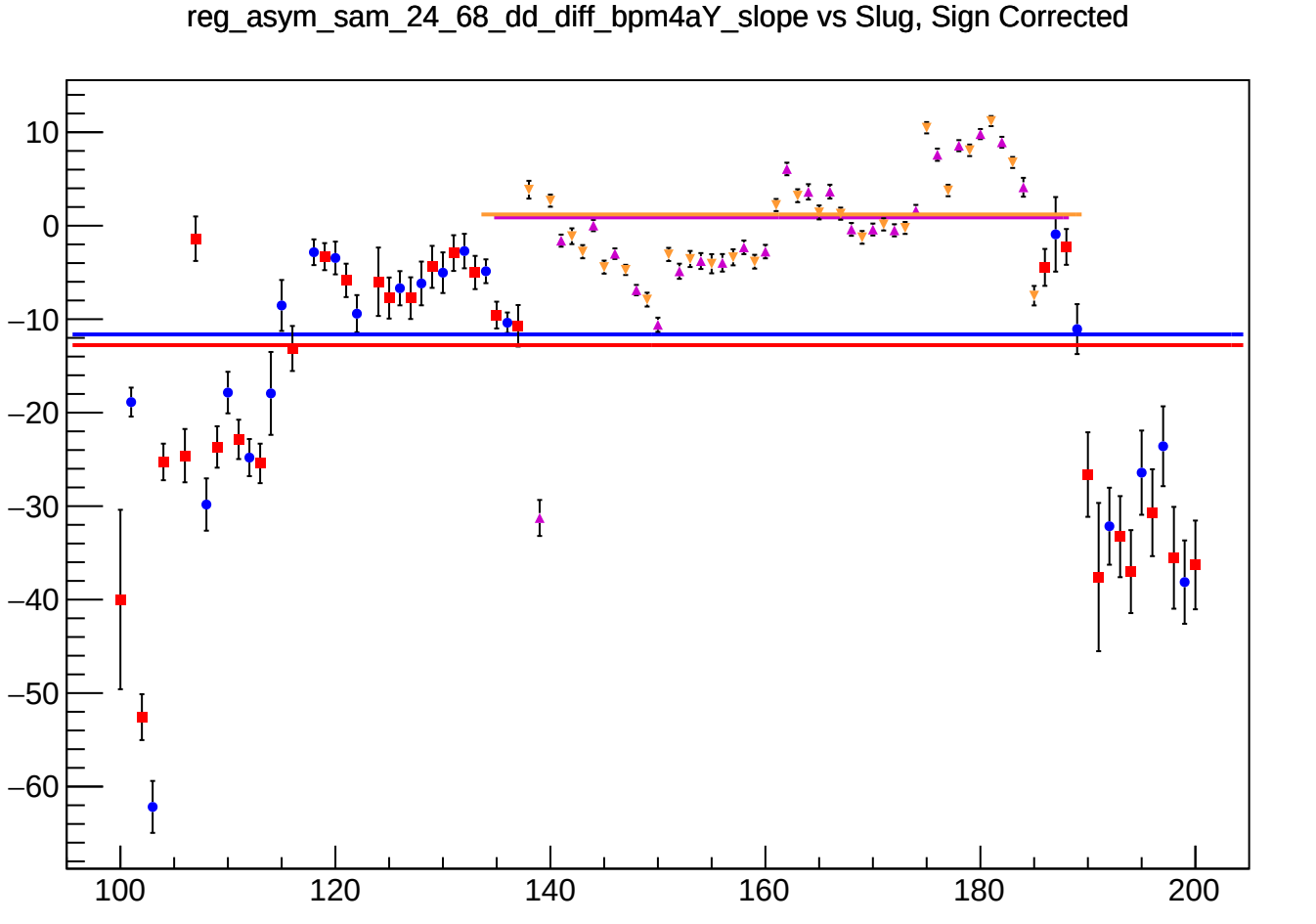
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.211+/-0.284 χ^2/NDF: 1475.1/49

In: -38.778+/-0.166 χ^2/NDF:5490.7/44

Out: -38.810+/-0.160 χ^2/NDF:8023.5/52

All: -38.795+/-0.115 χ^2/NDF: 13514.2/97



Right In: -11.630+/-0.435 χ^2/NDF: 675.4/21

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

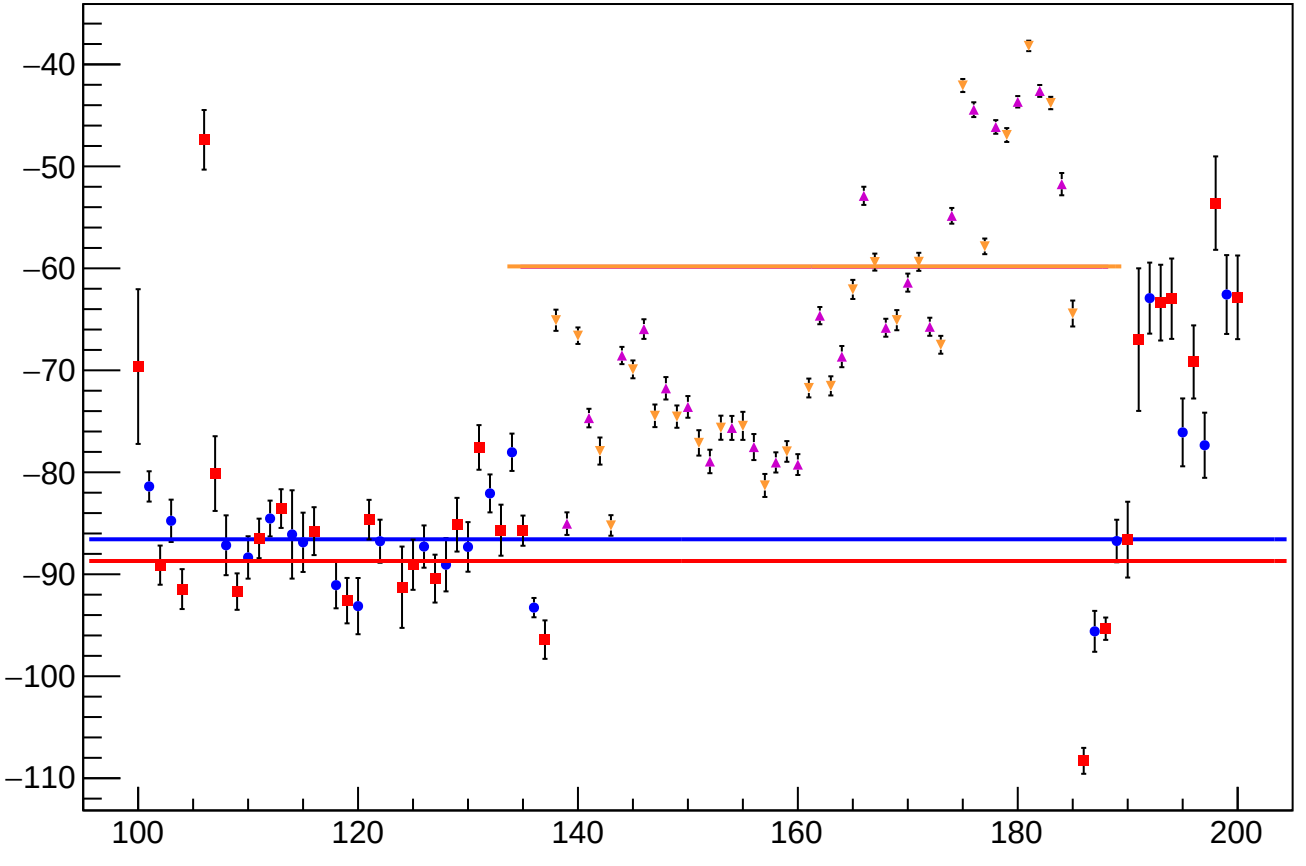
Right: -12.194+/-0.310 χ^2/NDF: 1427.4/49

In: -0.330+/-0.136 χ^2/NDF:3186.4/44

Out: -0.046+/-0.132 χ^2/NDF:3127.0/52

All: -0.184+/-0.095 χ^2/NDF: 6315.6/97

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -86.569+/-0.441 χ^2/NDF: 226.6/21

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

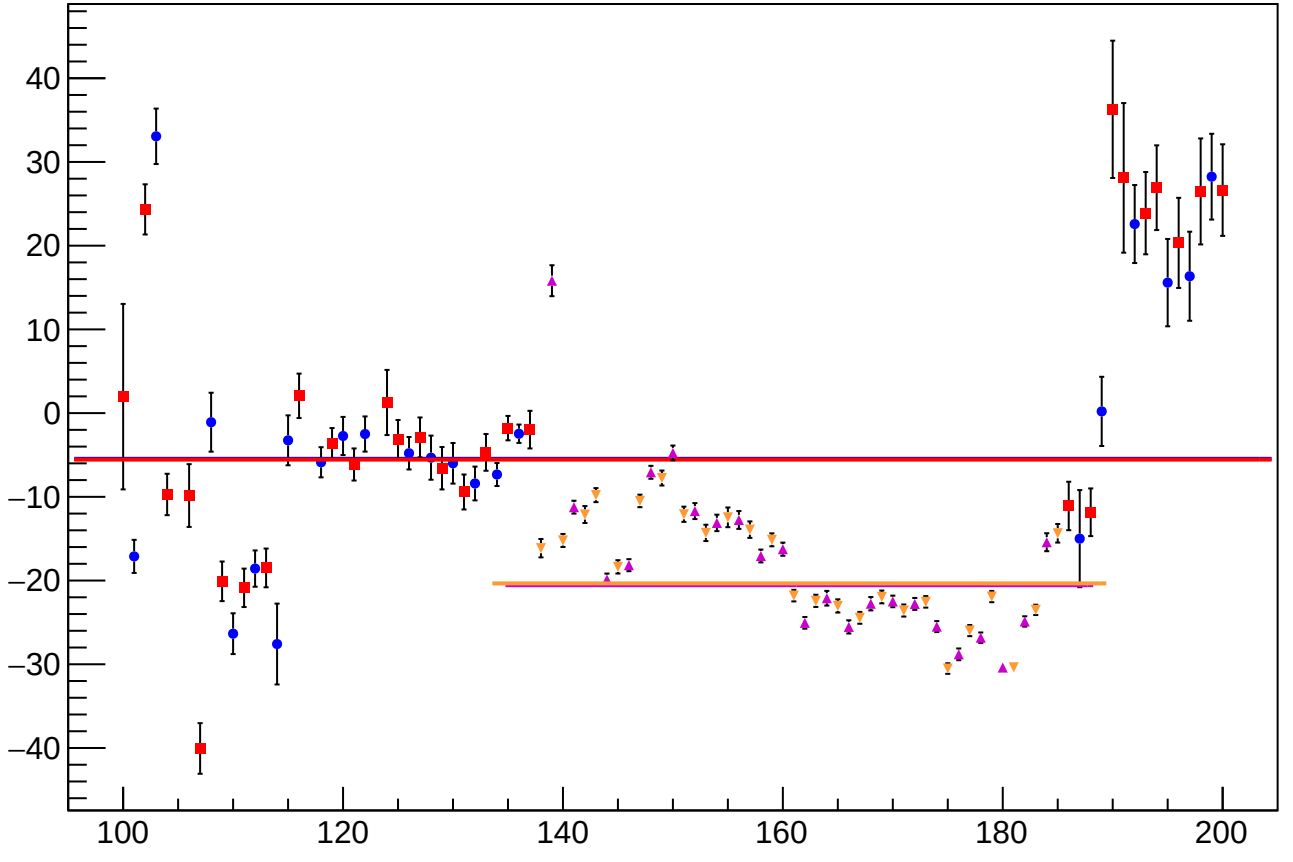
Right: -87.695+/-0.303 χ^2/NDF: 1025.6/49

In: -63.703+/-0.167 χ^2/NDF:8904.9/44

Out: -64.163+/-0.162 χ^2/NDF:11524.4/52

All: -63.941+/-0.116 χ^2/NDF: 20433.3/97

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.460+/-0.493 χ^2/NDF: 435.6/21

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

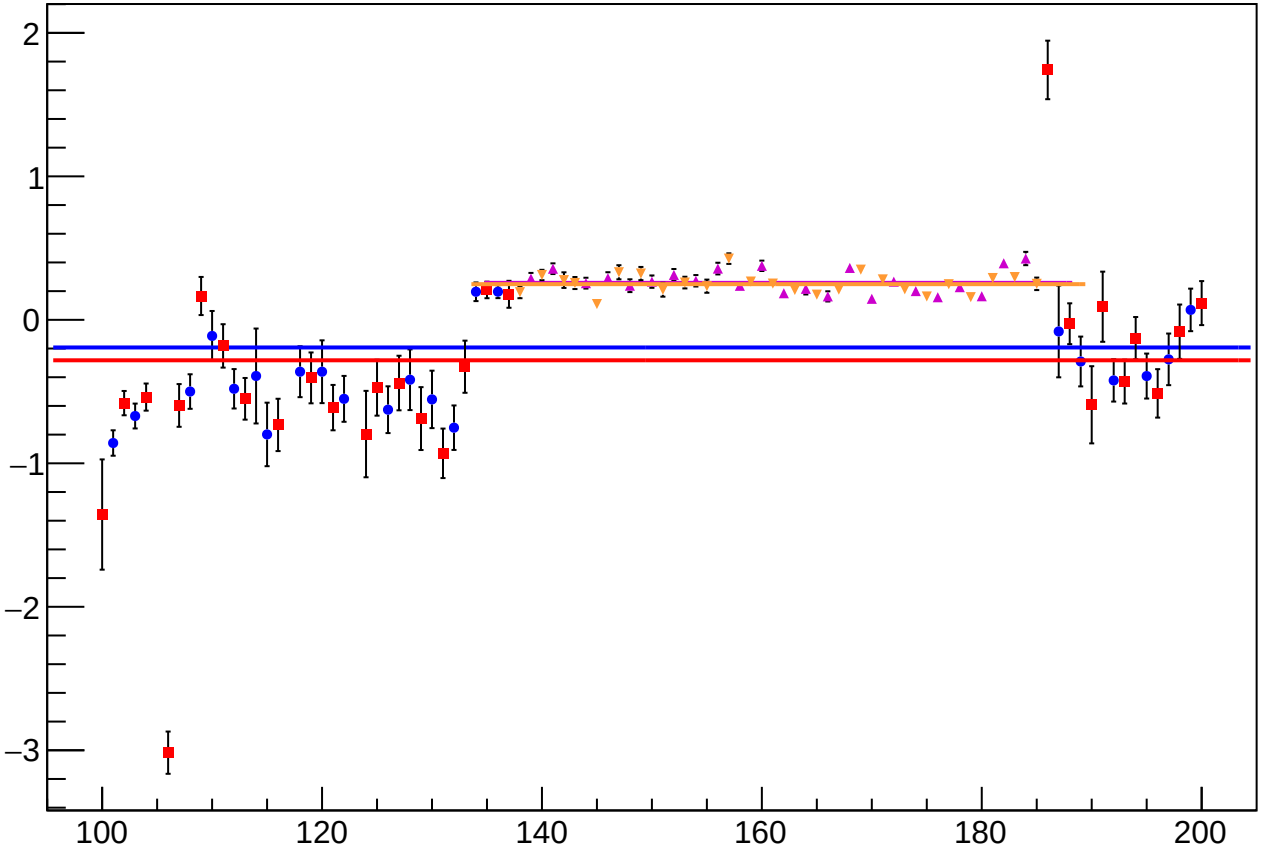
Right: -5.505+/-0.354 χ^2/NDF: 1020.0/49

In: -19.121+/-0.152 χ^2/NDF:3479.2/44

Out: -19.093+/-0.148 χ^2/NDF:3056.6/52

All: -19.107+/-0.106 χ^2/NDF: 6535.8/97

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193+/-0.025 χ^2/NDF: 255.2/21

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

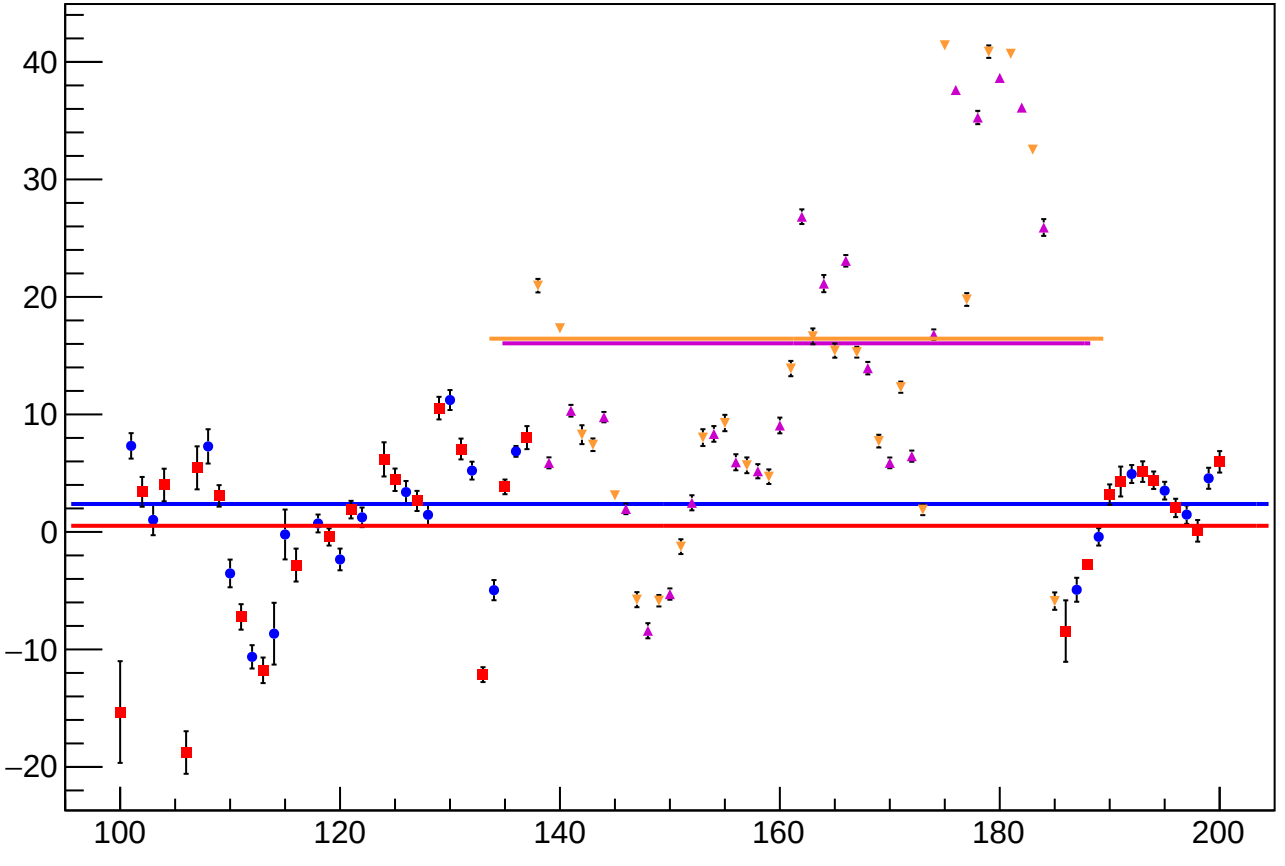
Right: -0.235+/-0.018 χ^2/NDF: 900.2/49

In: 0.224+/-0.007 χ^2/NDF:689.9/44

Out: 0.214+/-0.007 χ^2/NDF:1116.5/52

All: 0.219+/-0.005 χ^2/NDF: 1807.5/97

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.379+/-0.186 χ^2/NDF: 660.2/21

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

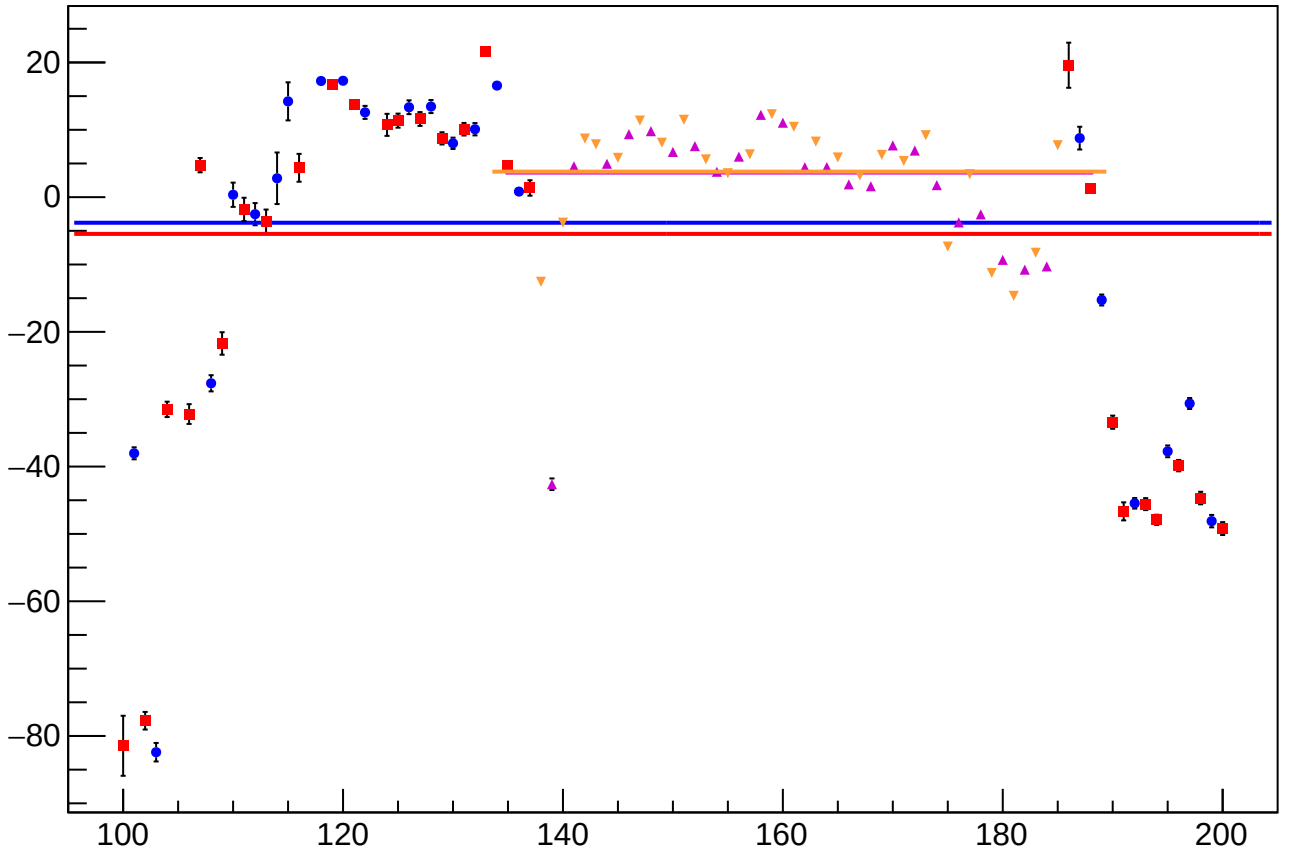
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.344+/-0.123 χ^2/NDF: 1947.0/49

In: 12.629+/-0.093 χ^2/NDF:22353.8/44

Out: 11.937+/-0.088 χ^2/NDF:29274.6/52

All: 12.265+/-0.064 χ^2/NDF: 51657.7/97



Right In: -3.797+/-0.182 χ^2/NDF: 18979.6/21

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

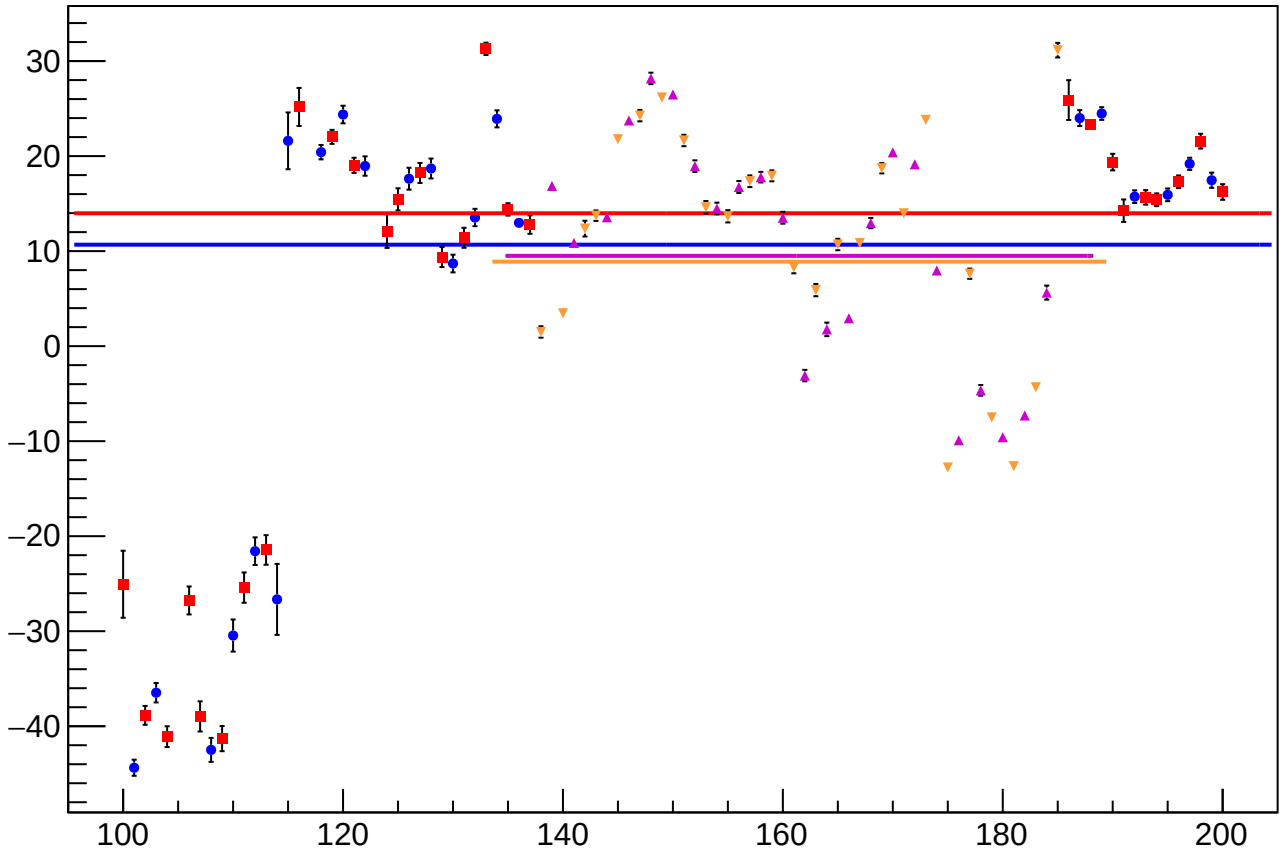
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -4.682+/-0.124 χ^2/NDF: 43918.5/49

In: 2.368+/-0.075 χ^2/NDF:28676.4/44

Out: 2.110+/-0.072 χ^2/NDF:36416.8/52

All: 2.234+/-0.052 χ^2/NDF: 65099.2/97



Right In: 10.677+/-0.183 χ^2/NDF: 11158.6/21

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

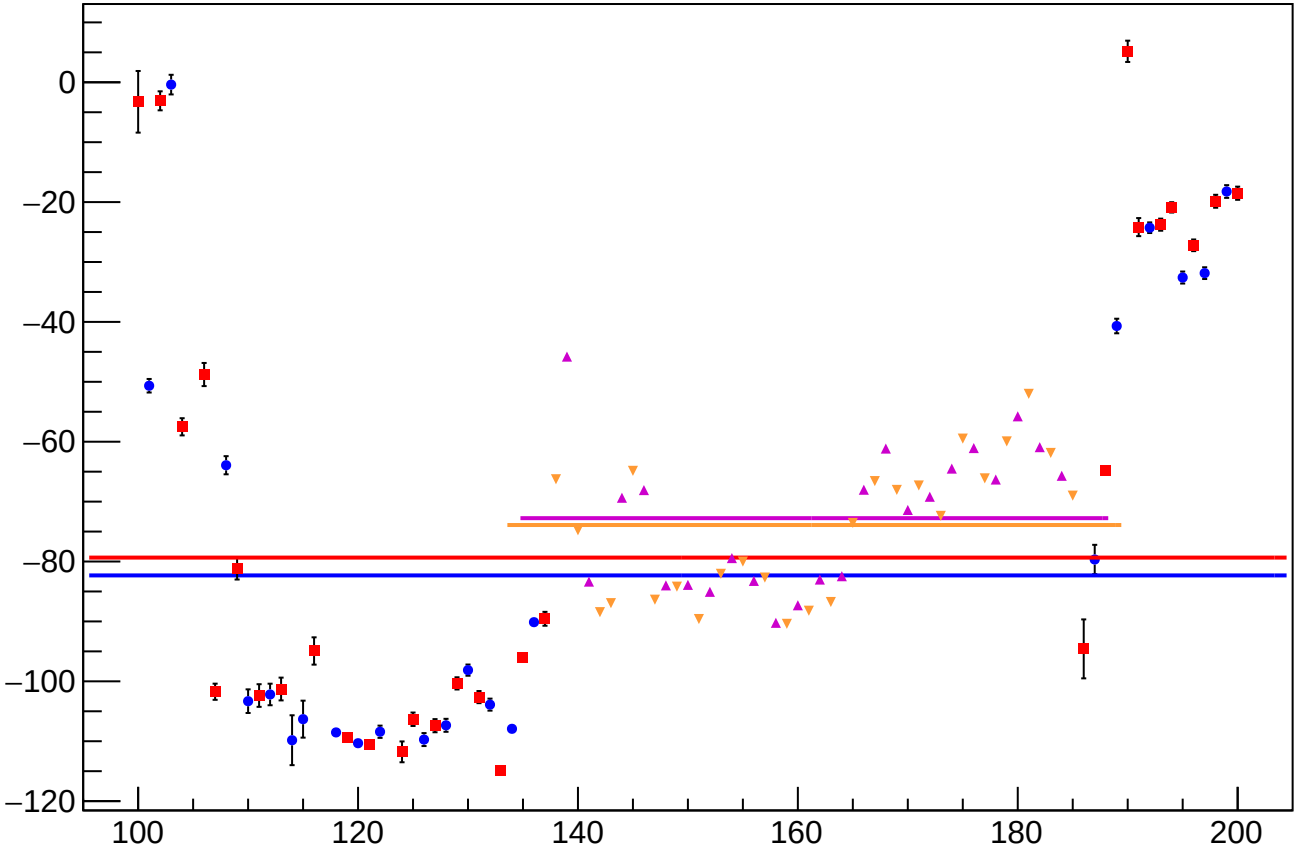
Right: 12.563+/-0.120 χ^2/NDF: 23685.6/49

In: 9.798+/-0.092 χ^2/NDF:24230.4/44

Out: 10.416+/-0.087 χ^2/NDF:28489.9/52

All: 10.125+/-0.063 χ^2/NDF: 52744.2/97

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -82.320+/-0.212 χ^2/NDF: 25343.6/21

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

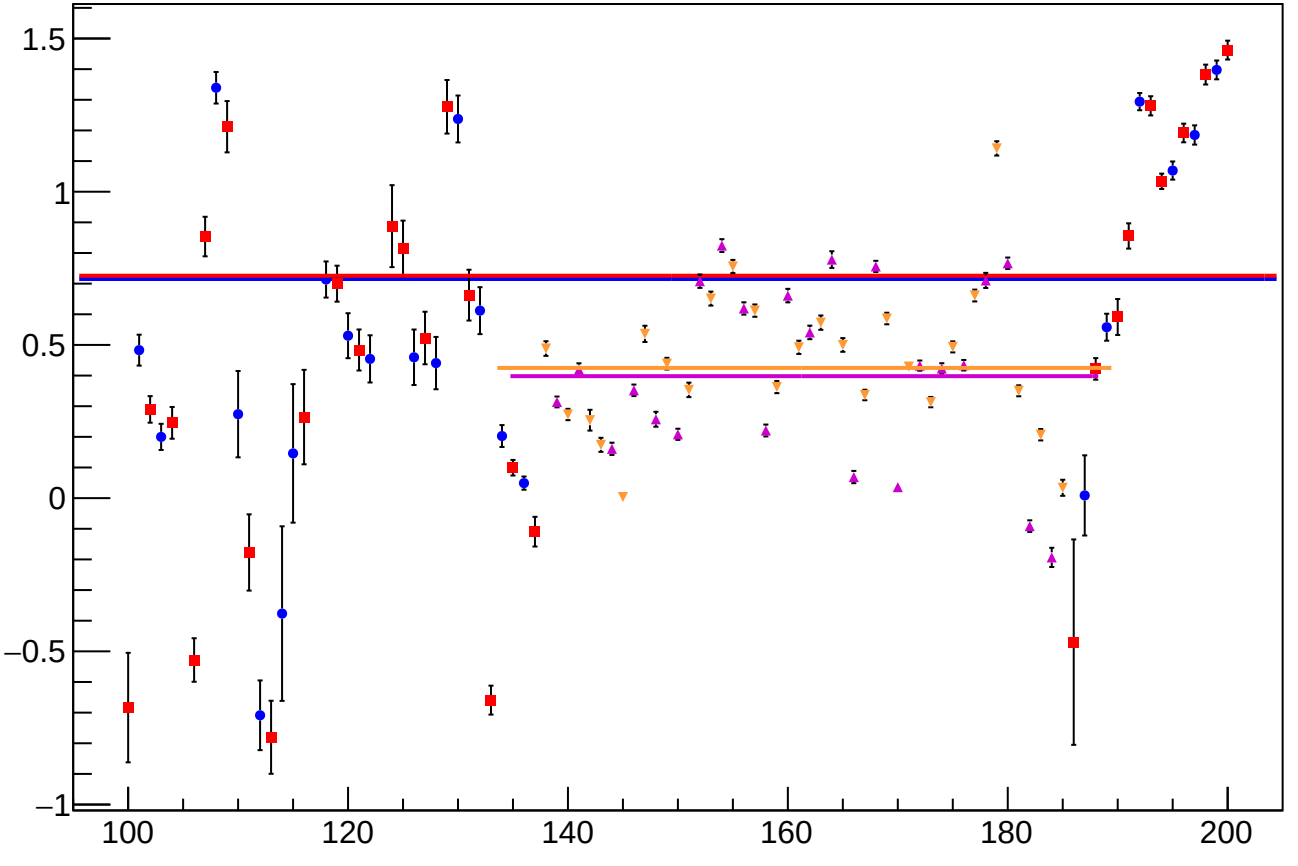
Right: -80.752+/-0.146 χ^2/NDF: 60749.7/49

In: -74.309+/-0.085 χ^2/NDF:39652.4/44

Out: -74.820+/-0.083 χ^2/NDF:51476.6/52

All: -74.573+/-0.059 χ^2/NDF: 91147.5/97

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.010 χ^2/NDF: 3078.7/21

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

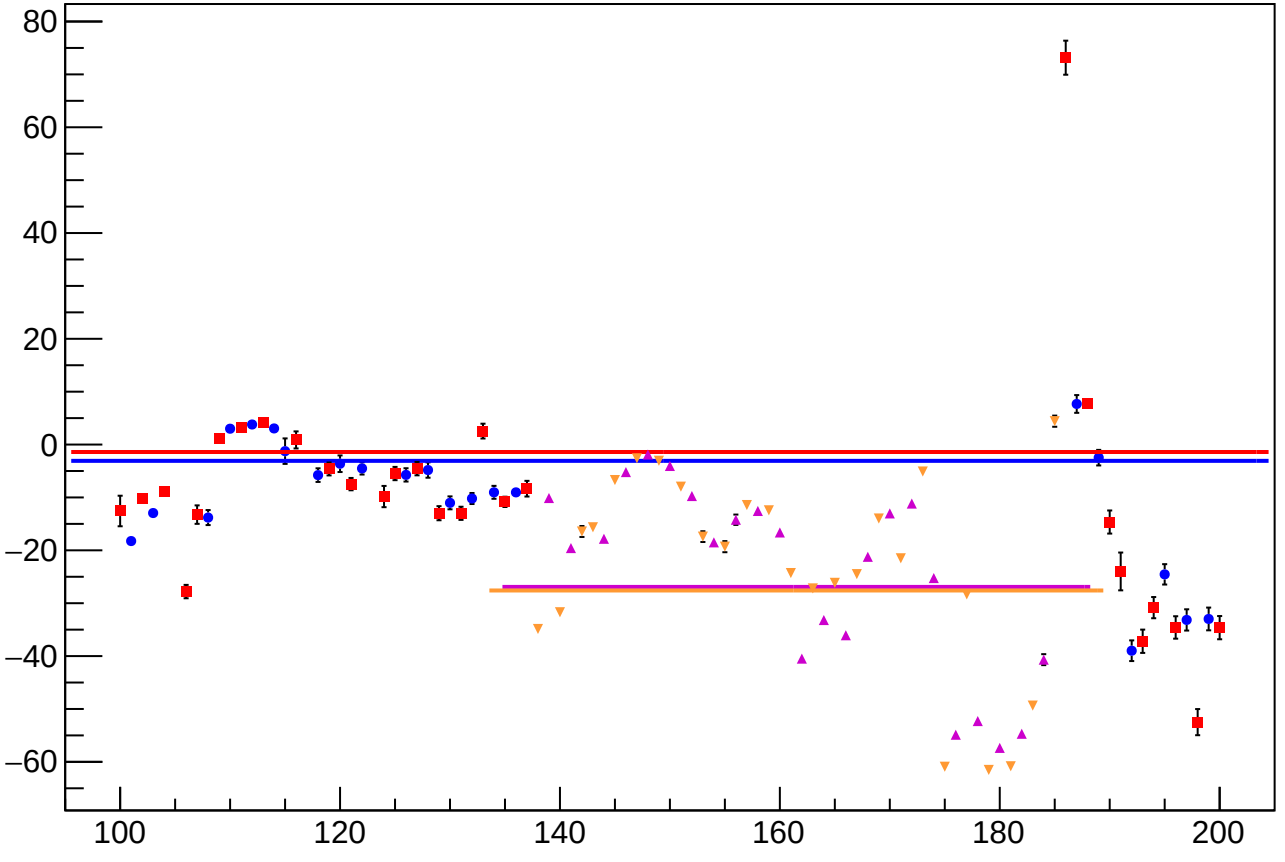
Right: 0.721+/-0.007 χ^2/NDF: 7508.9/49

In: 0.447+/-0.004 χ^2/NDF:8261.8/44

Out: 0.477+/-0.004 χ^2/NDF:8410.3/52

All: 0.462+/-0.003 χ^2/NDF: 16703.5/97

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.080+/-0.186 χ^2/NDF: 2433.8/21

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

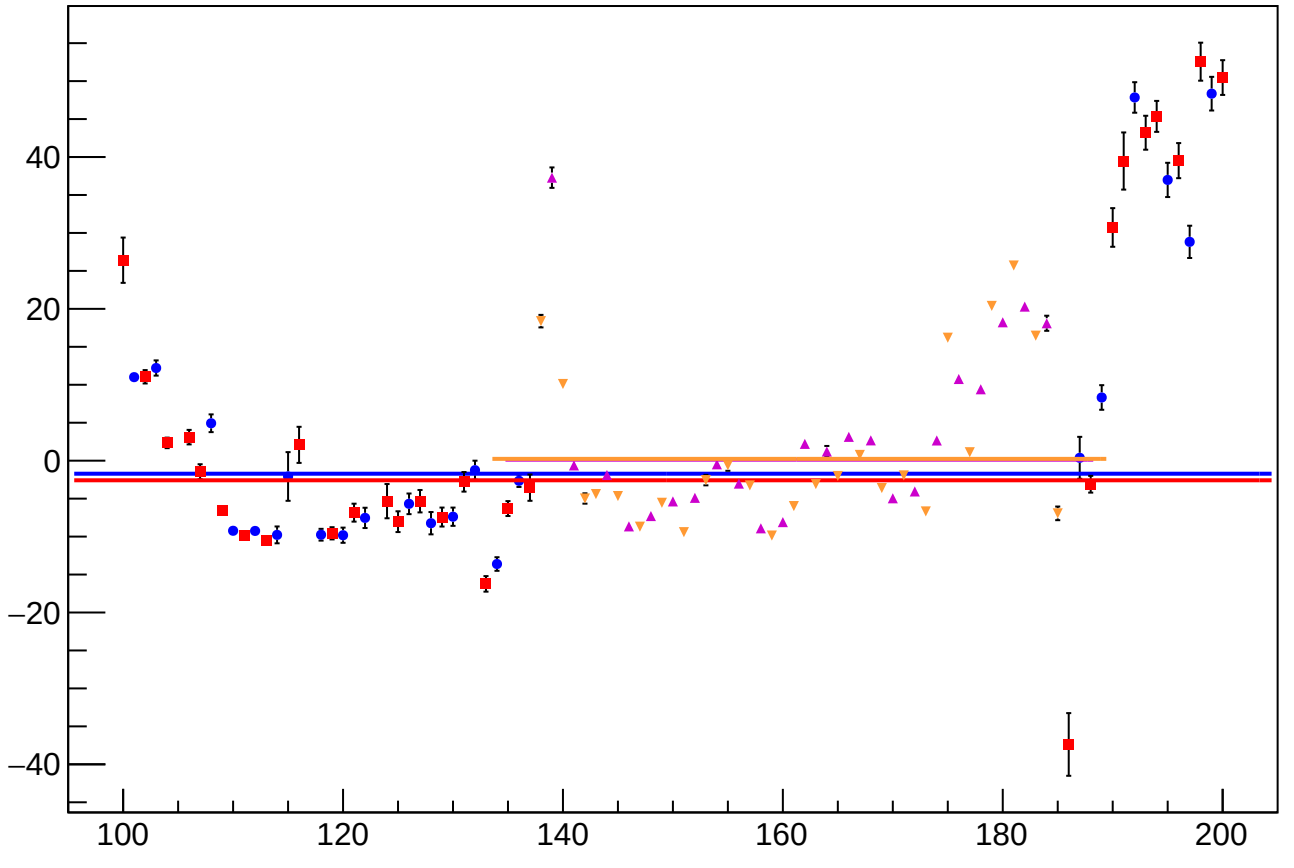
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.135+/-0.123 χ^2/NDF: 6090.6/49

In: -17.577+/-0.116 χ^2/NDF:27972.3/44

Out: -16.101+/-0.108 χ^2/NDF:37825.3/52

All: -16.784+/-0.079 χ^2/NDF: 65884.0/97



Right In: -1.717+/-0.218 χ^2/NDF: 3168.2/21

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

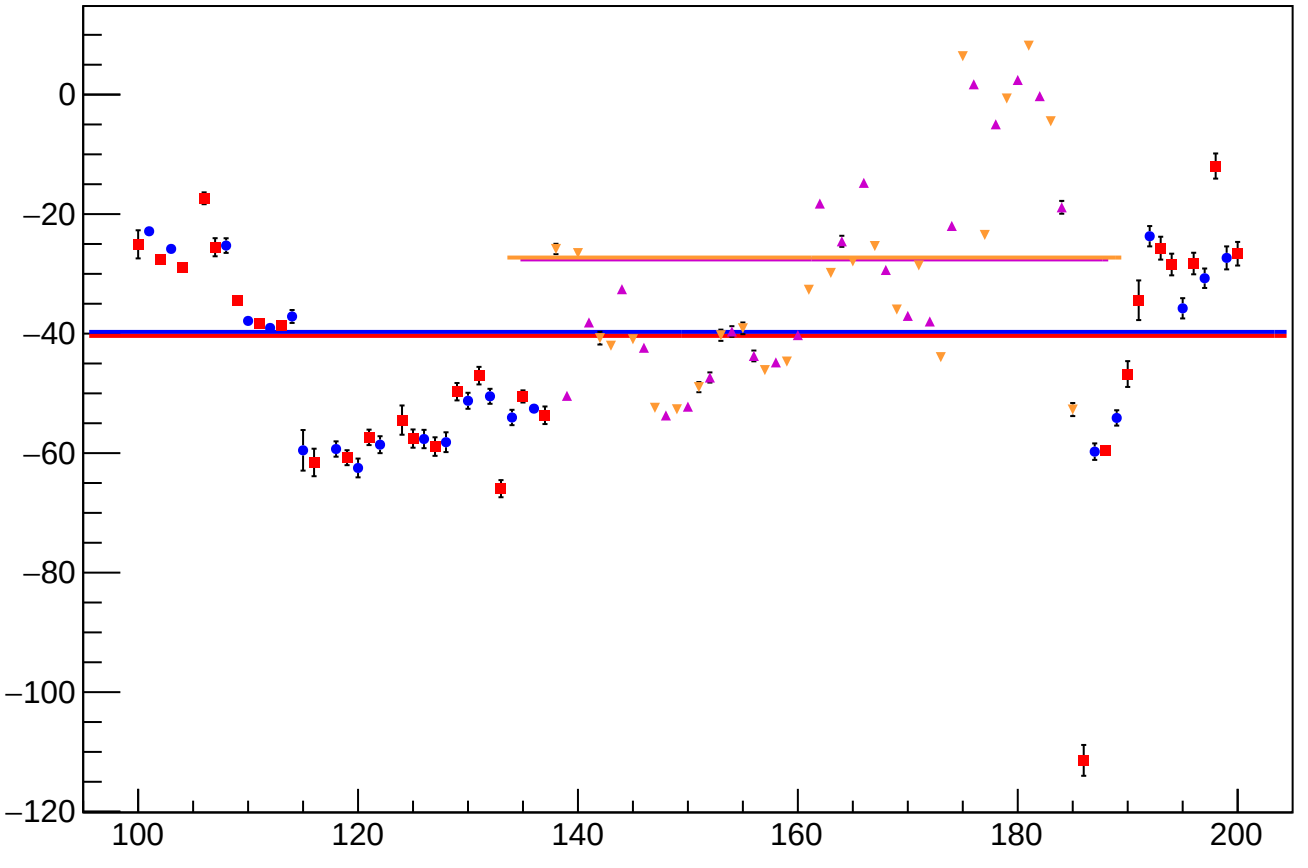
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -2.170+/-0.151 χ^2/NDF: 6985.7/49

In: -0.268+/-0.101 χ^2/NDF:9061.9/44

Out: -0.378+/-0.098 χ^2/NDF:11987.9/52

All: -0.325+/-0.070 χ^2/NDF: 21050.4/97



Right In: -39.715+/-0.212 χ^2/NDF: 3462.1/21

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

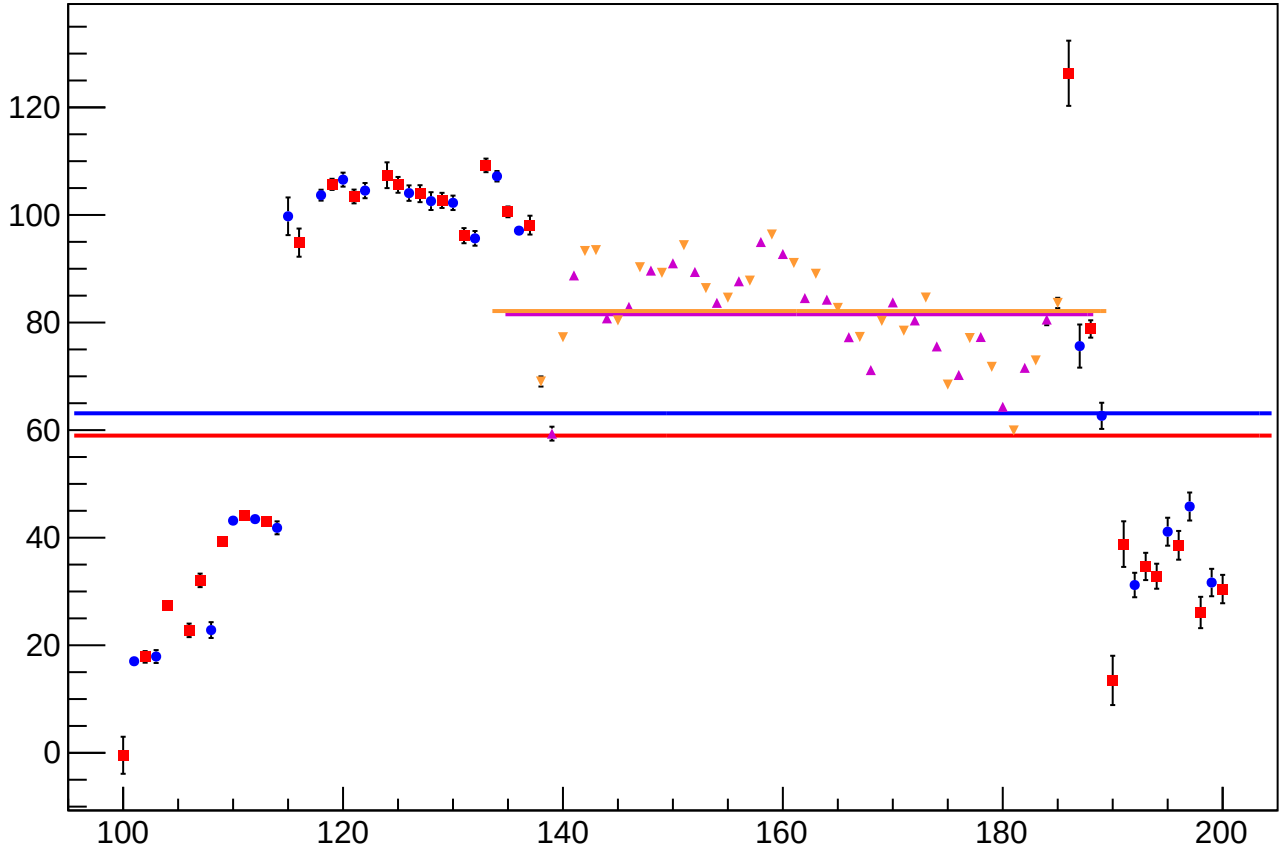
Right: -40.079+/-0.143 χ^2/NDF: 8405.2/49

In: -31.553+/-0.122 χ^2/NDF:21303.8/44

Out: -31.920+/-0.116 χ^2/NDF:26408.5/52

All: -31.746+/-0.084 χ^2/NDF: 47717.1/97

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 63.126+/-0.250 χ^2/NDF: 19089.0/21

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

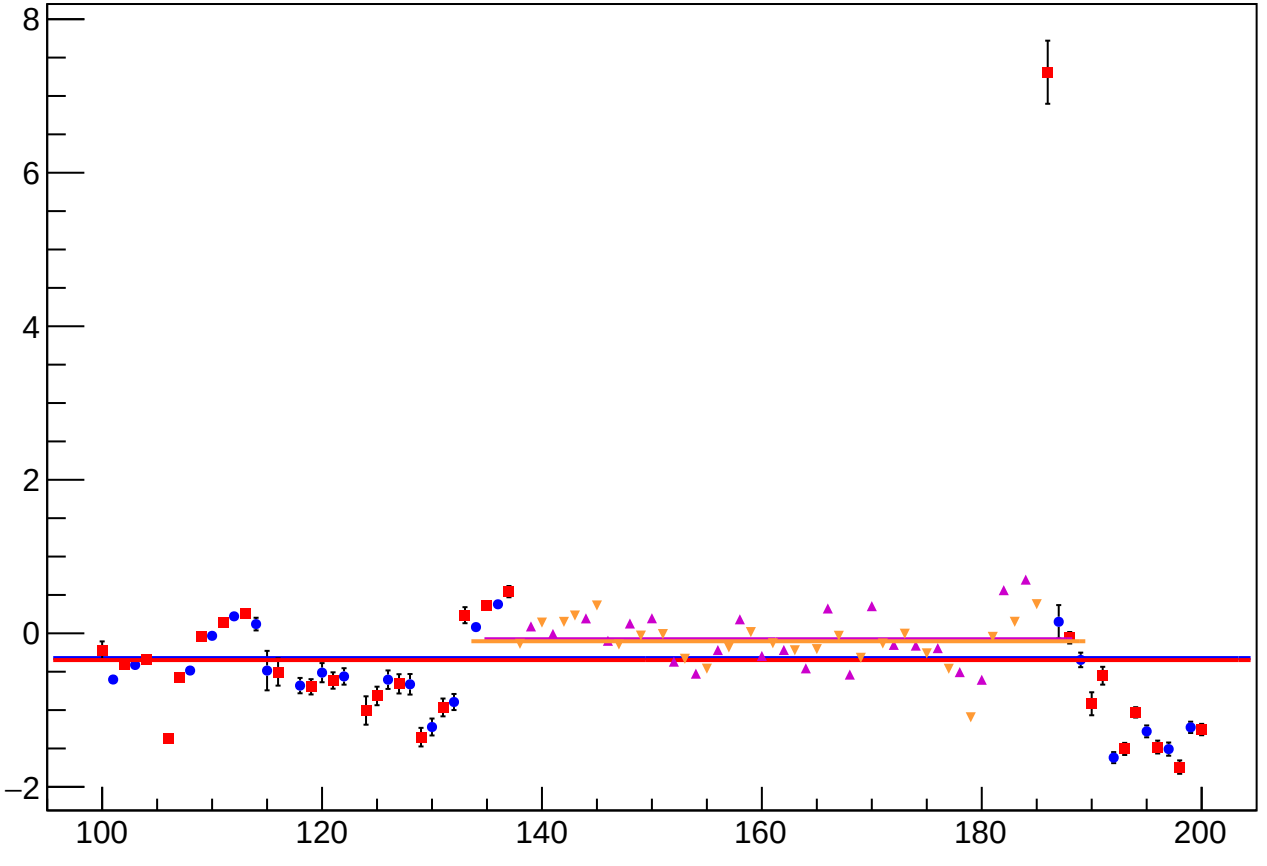
Right: 60.963+/-0.173 χ^2/NDF: 37591.1/49

In: 77.678+/-0.115 χ^2/NDF:27407.2/44

Out: 77.195+/-0.111 χ^2/NDF:31080.7/52

All: 77.428+/-0.080 χ^2/NDF: 58497.0/97

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322+/-0.013 χ^2/NDF: 1835.6/21

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

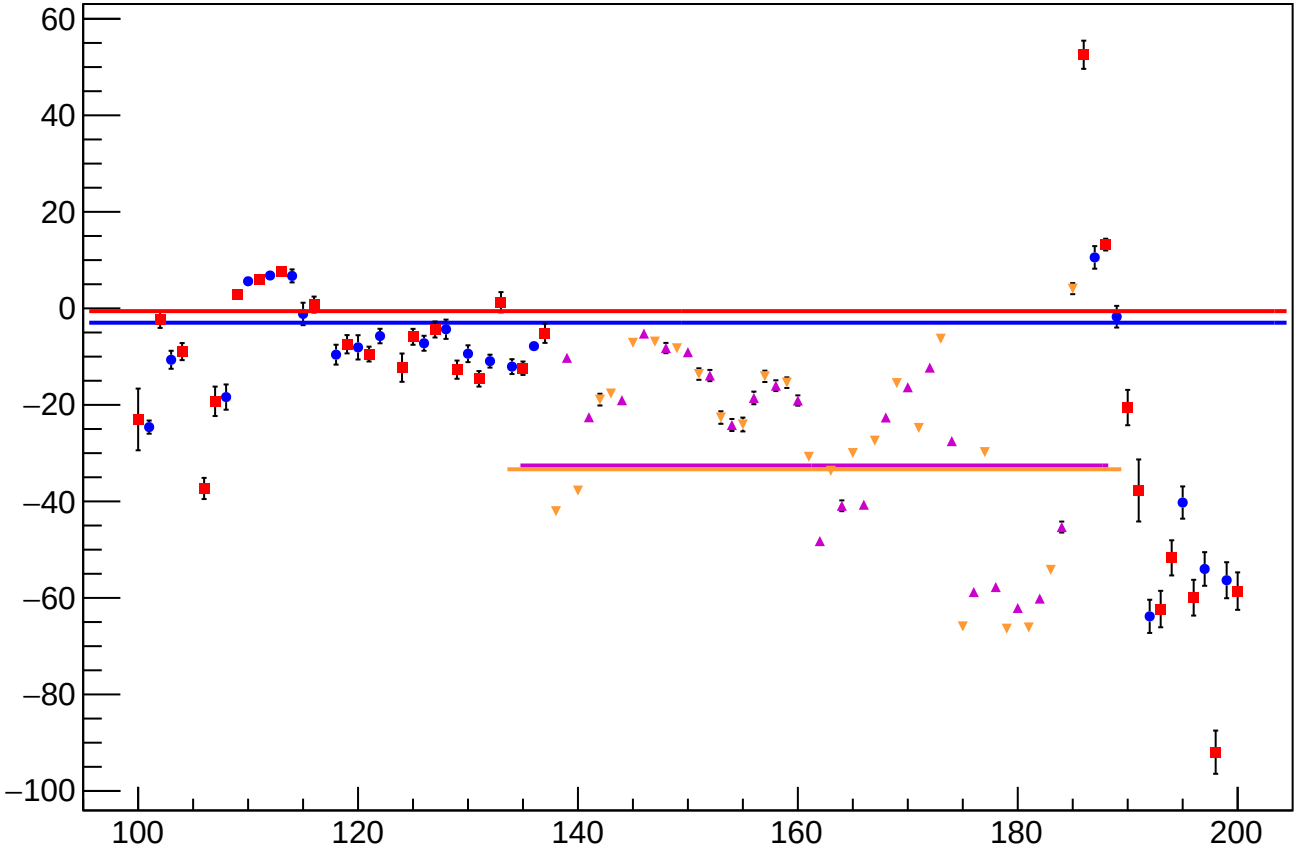
Right: -0.336+/-0.009 χ^2/NDF: 4595.6/49

In: -0.119+/-0.005 χ^2/NDF:5473.3/44

Out: -0.148+/-0.005 χ^2/NDF:5515.6/52

All: -0.134+/-0.004 χ^2/NDF: 11004.4/97

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.971+/-0.298 χ^2/NDF: 1809.0/21

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

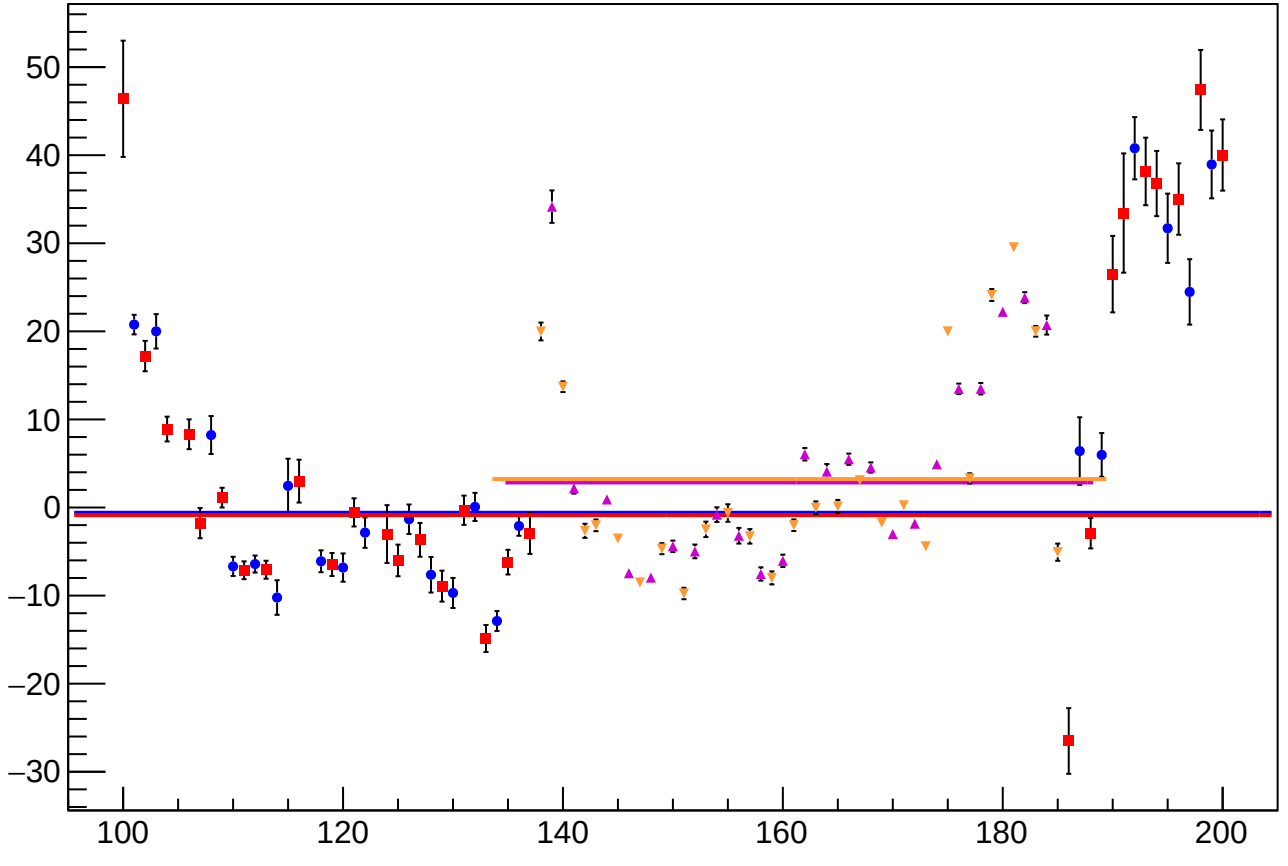
Right: -1.651+/-0.200 χ^2/NDF: 4664.1/49

In: -25.338+/-0.147 χ^2/NDF:23147.7/44

Out: -24.424+/-0.140 χ^2/NDF:31599.8/52

All: -24.859+/-0.102 χ^2/NDF: 54767.6/97

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.599+/-0.345 χ^2/NDF: 1154.9/21

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

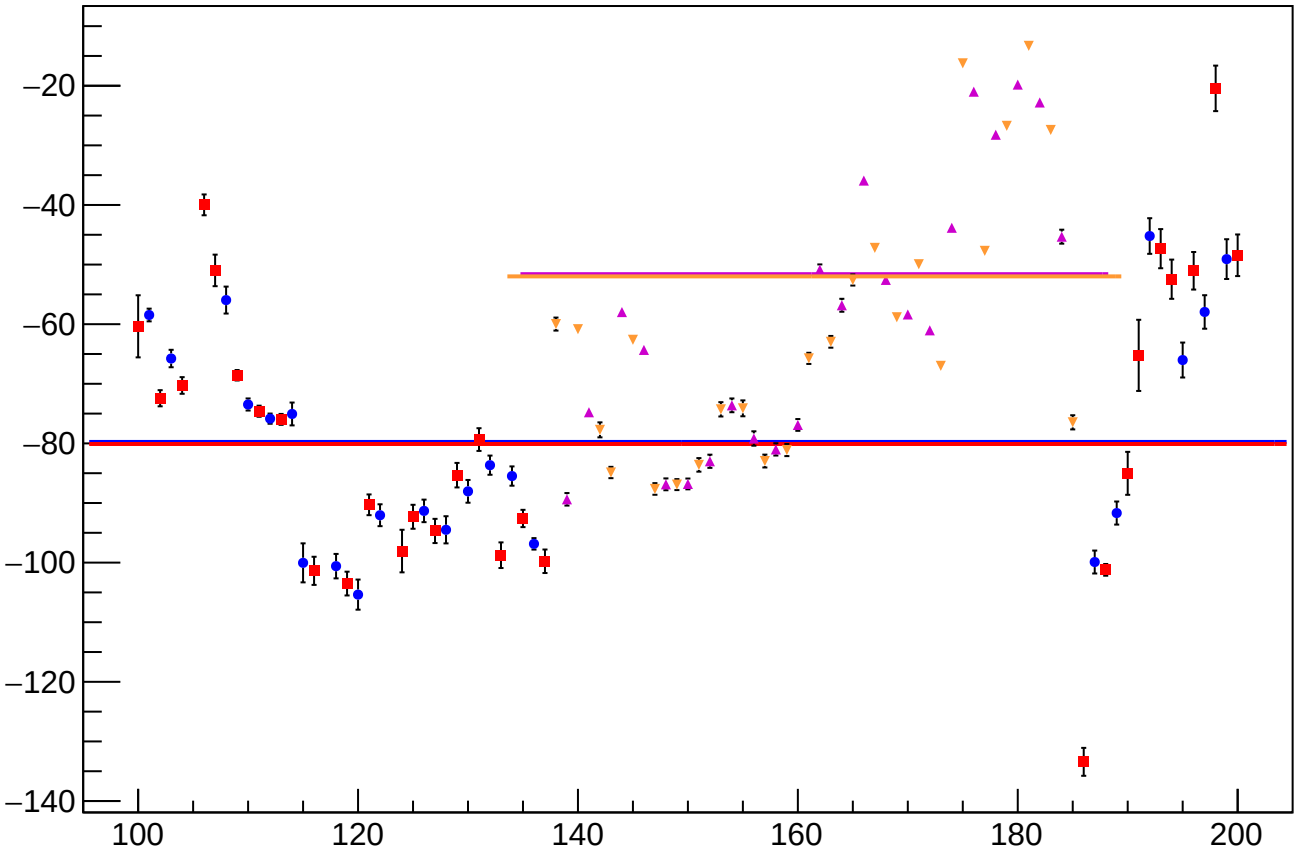
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -0.732+/-0.242 χ^2/NDF: 2239.1/49

In: 2.410+/-0.123 χ^2/NDF:6697.4/44

Out: 2.713+/-0.120 χ^2/NDF:8886.8/52

All: 2.565+/-0.086 χ^2/NDF: 15587.3/97



Right In: -79.756+/-0.343 χ^2/NDF: 1836.0/21

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

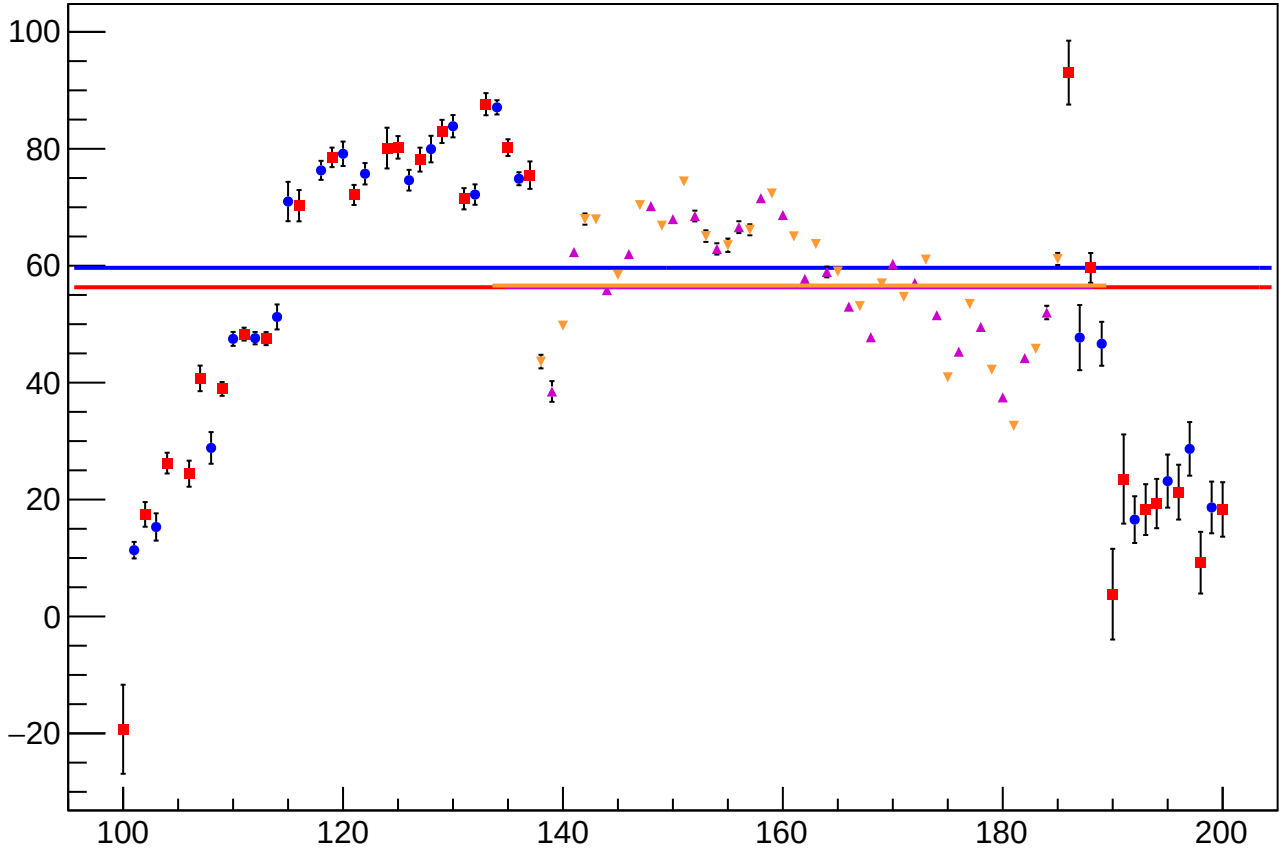
Right: -79.939+/-0.234 χ^2/NDF: 5000.3/49

In: -57.120+/-0.152 χ^2/NDF:24883.4/44

Out: -57.874+/-0.147 χ^2/NDF:30149.8/52

All: -57.510+/-0.105 χ^2/NDF: 55046.0/97

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 59.641+/-0.391 χ^2/NDF: 3572.0/21

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

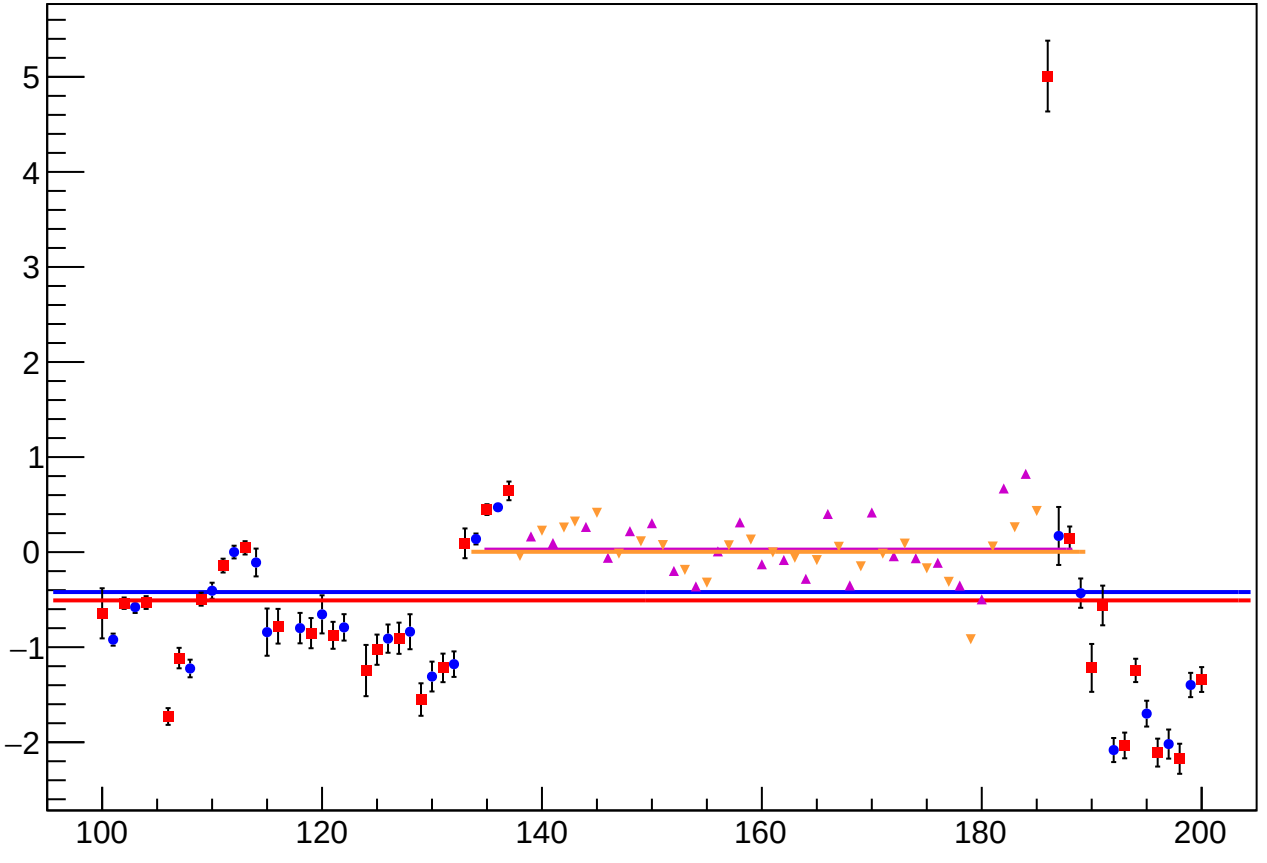
Right: 57.958+/-0.275 χ^2/NDF: 6863.1/49

In: 56.758+/-0.138 χ^2/NDF:7602.8/44

Out: 56.576+/-0.135 χ^2/NDF:8921.2/52

All: 56.665+/-0.096 χ^2/NDF: 16524.9/97

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.420+/-0.020 χ^2/NDF: 1201.7/21

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

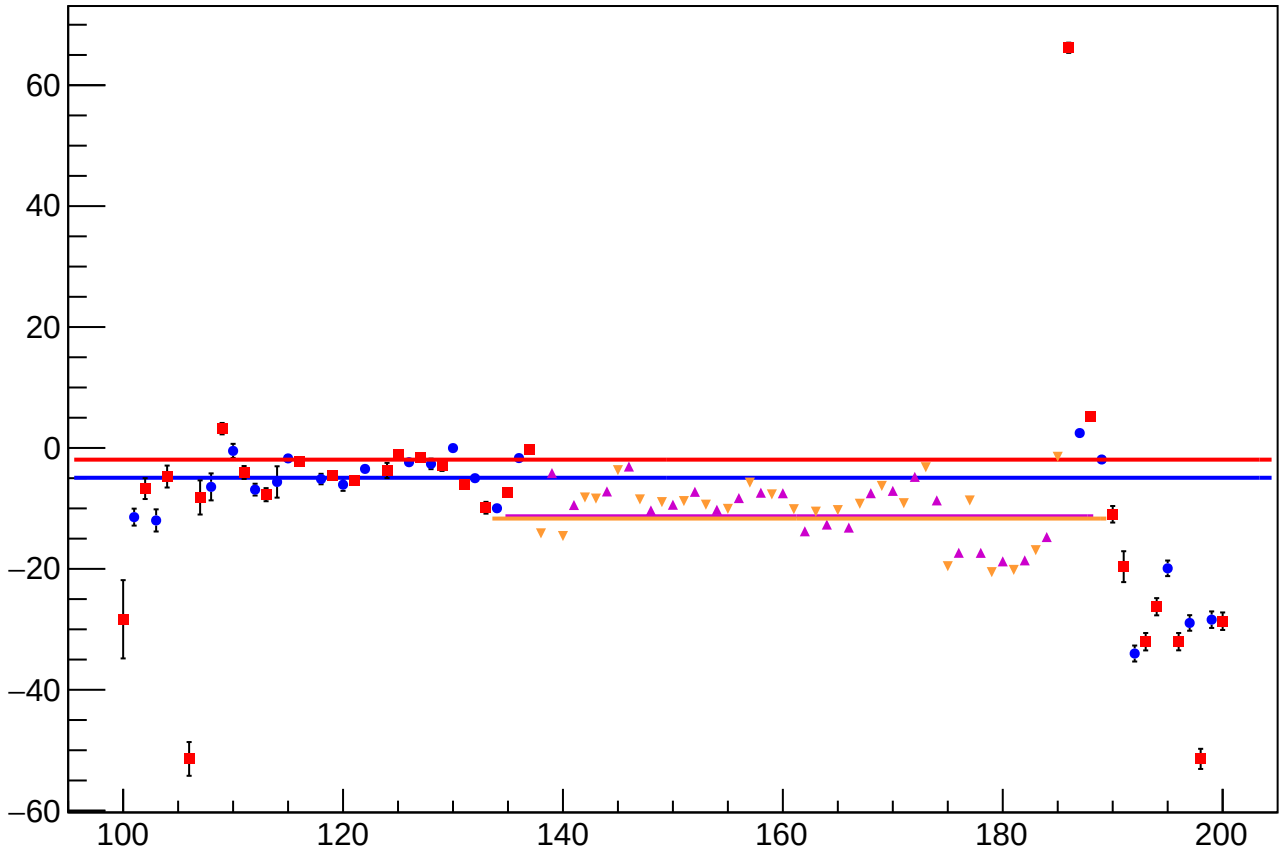
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.464+/-0.014 χ^2/NDF: 2749.9/49

In: -0.016+/-0.006 χ^2/NDF:3985.3/44

Out: -0.044+/-0.006 χ^2/NDF:3823.9/52

All: -0.030+/-0.004 χ^2/NDF: 7819.4/97



Right In: -4.931+/-0.173 χ^2/NDF: 1642.0/21

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

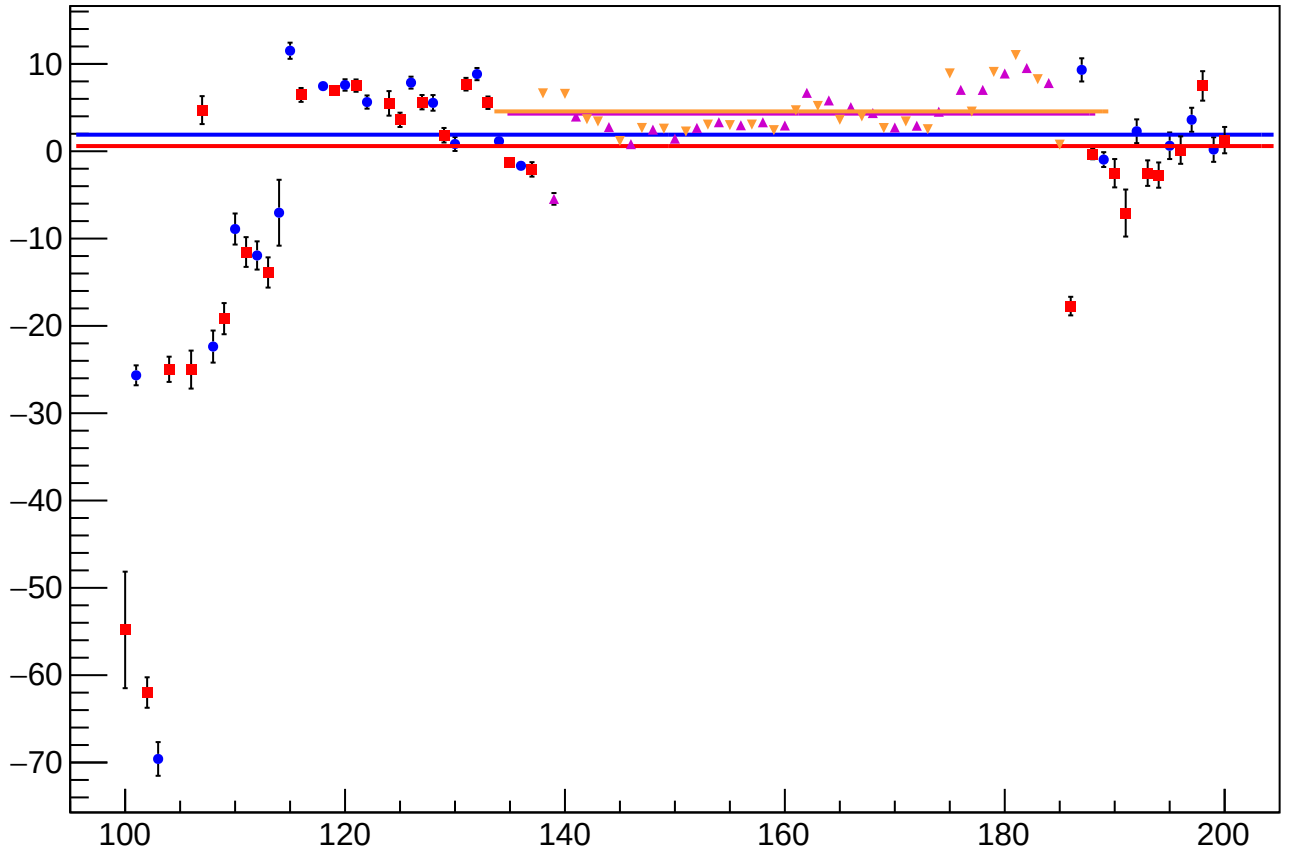
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.399+/-0.121 χ^2/NDF: 11765.1/49

In: -10.734+/-0.052 χ^2/NDF:12110.0/44

Out: -10.817+/-0.050 χ^2/NDF:25605.9/52

All: -10.777+/-0.036 χ^2/NDF: 37717.2/97



Right In: 1.897+/-0.177 χ^2/NDF: 2884.5/21

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

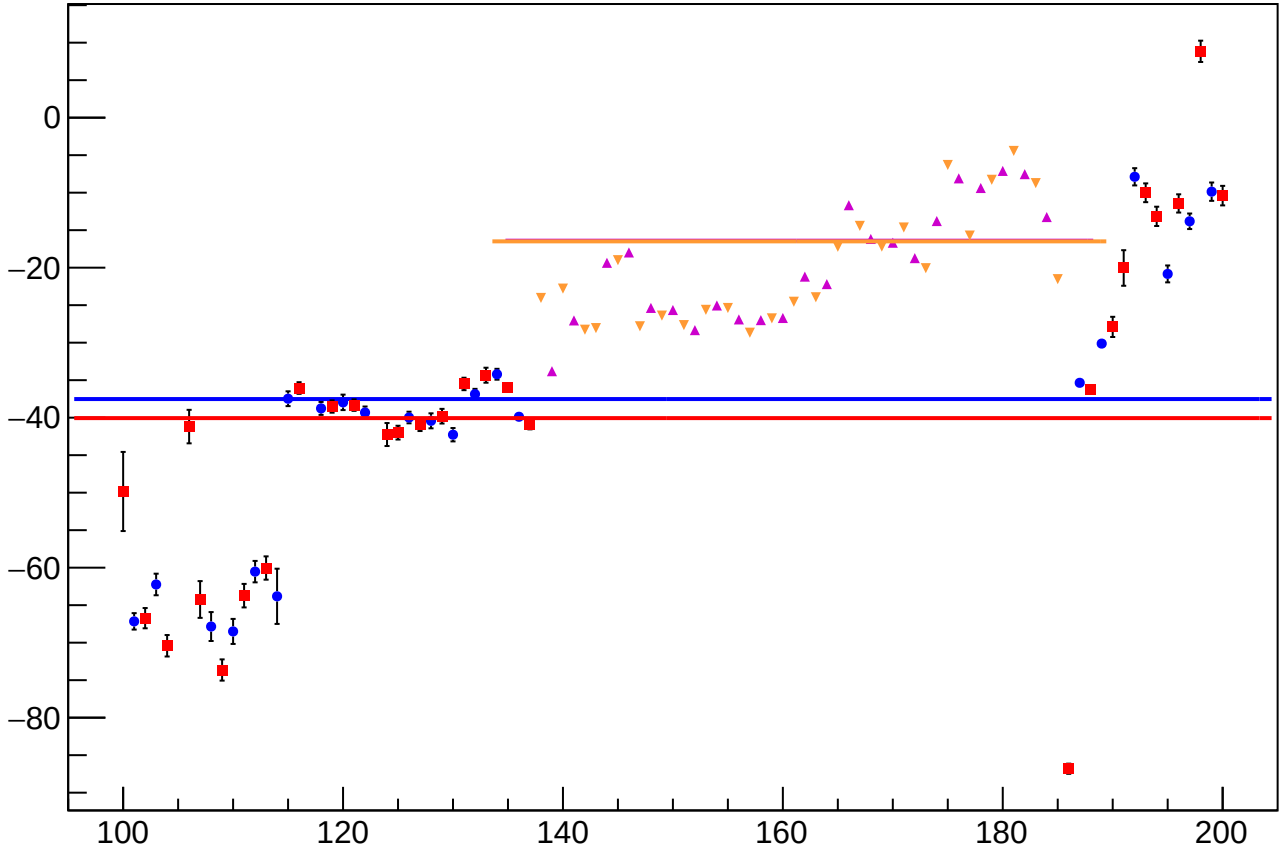
Right: 1.273+/-0.128 χ^2/NDF: 5827.8/49

In: 4.179+/-0.041 χ^2/NDF:6669.1/44

Out: 4.374+/-0.040 χ^2/NDF:7714.7/52

All: 4.278+/-0.029 χ^2/NDF: 14395.3/97

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.518+/-0.180 χ^2/NDF: 4106.0/21

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

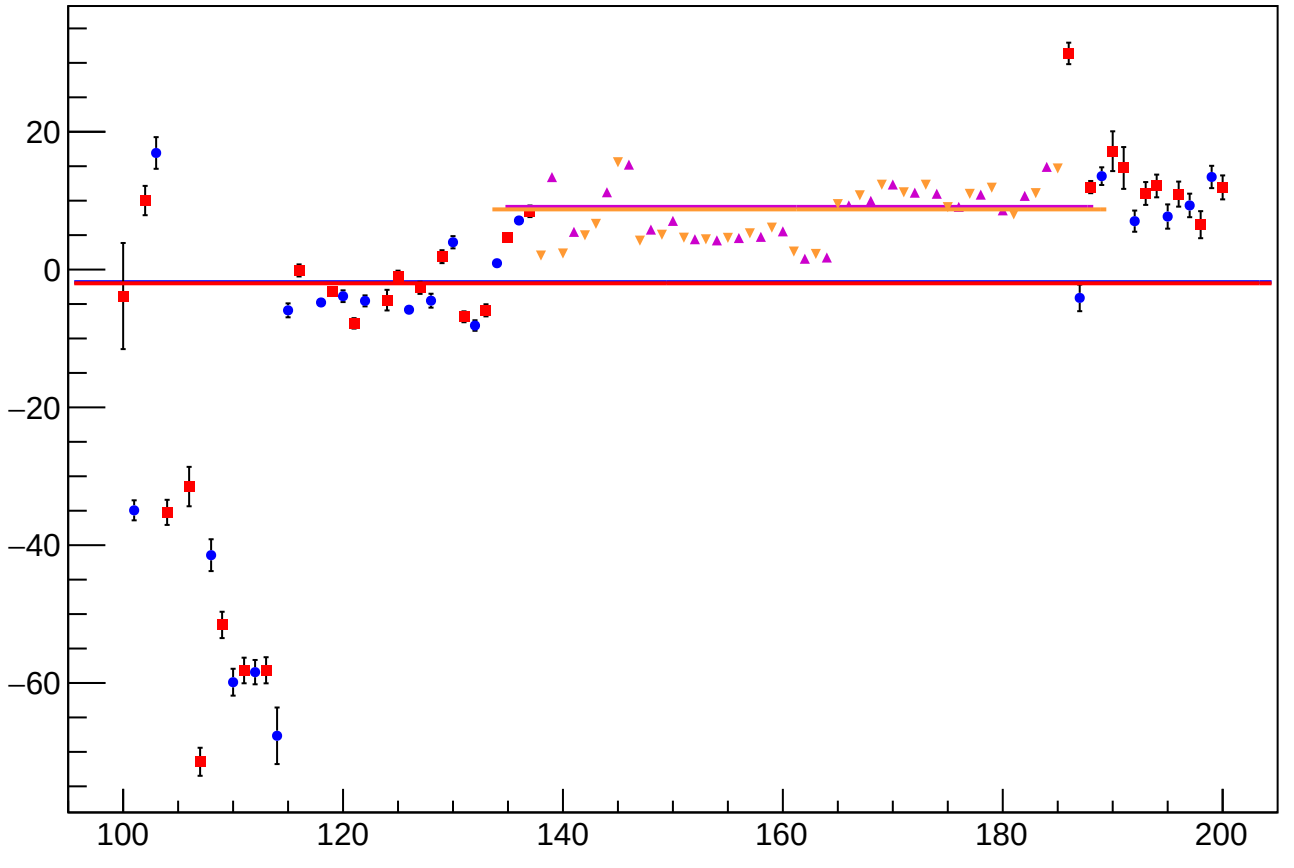
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -38.841+/-0.125 χ^2/NDF: 14606.6/49

In: -18.144+/-0.052 χ^2/NDF:34786.5/44

Out: -18.509+/-0.050 χ^2/NDF:49436.9/52

All: -18.331+/-0.036 χ^2/NDF: 84248.9/97



Right In: -1.829+/-0.200 χ^2/NDF: 4092.3/21

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

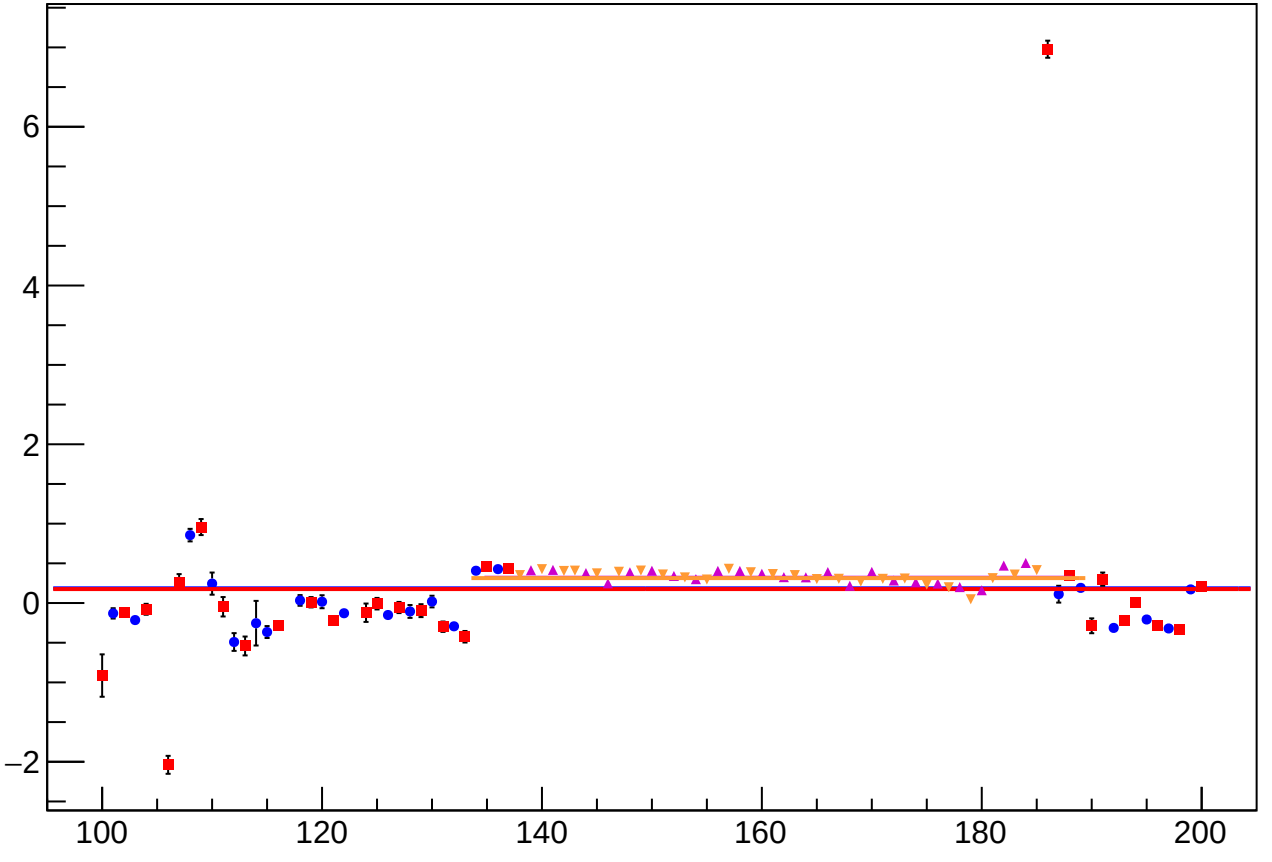
Right: -1.906+/-0.145 χ^2/NDF: 9690.0/49

In: 8.520+/-0.046 χ^2/NDF:12669.4/44

Out: 8.250+/-0.045 χ^2/NDF:14906.7/52

All: 8.383+/-0.032 χ^2/NDF: 27593.7/97

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.185+/-0.010 χ^2/NDF: 903.7/21

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

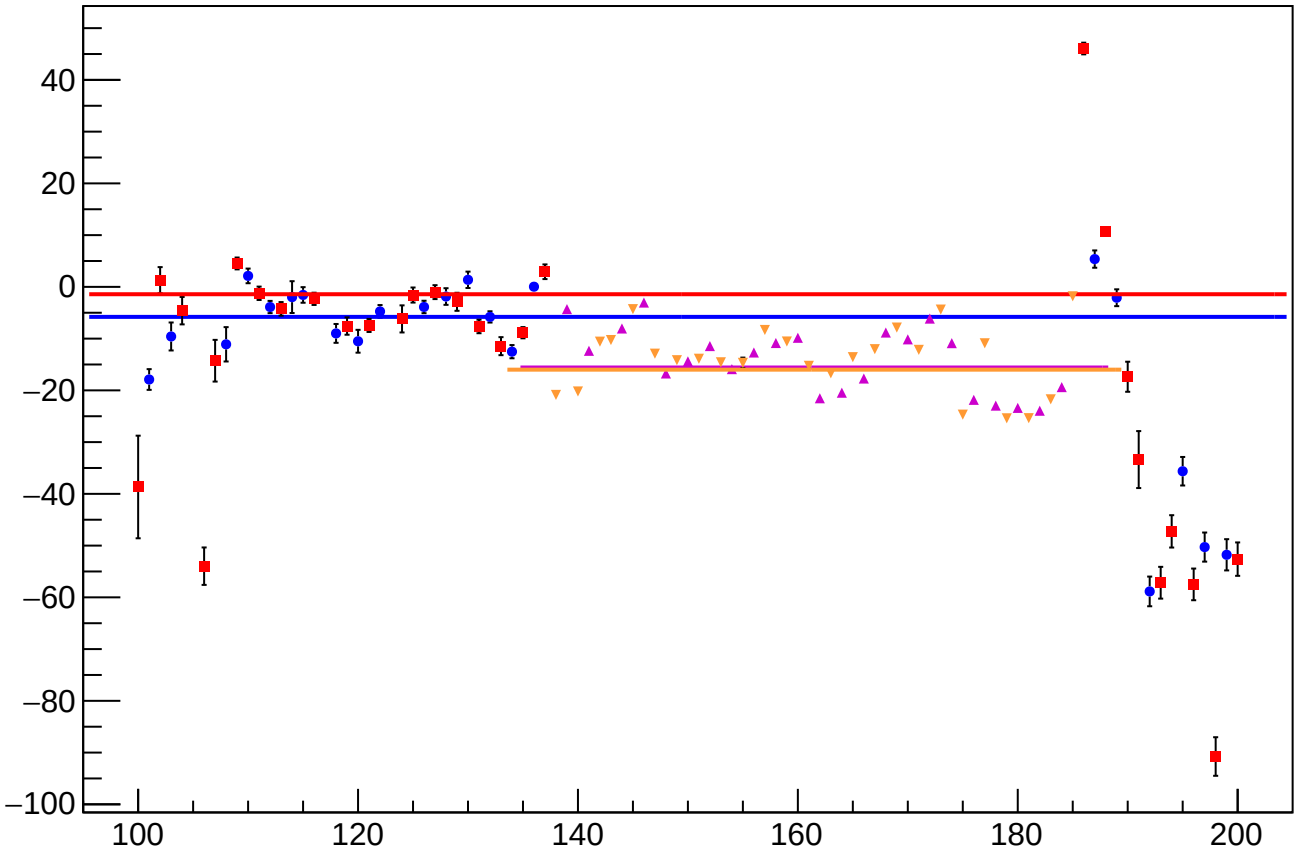
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.181+/-0.007 χ^2/NDF: 6181.2/49

In: 0.313+/-0.002 χ^2/NDF:2855.2/44

Out: 0.309+/-0.002 χ^2/NDF:7032.8/52

All: 0.311+/-0.001 χ^2/NDF: 9889.9/97



Right In: -5.799+/-0.323 χ^2/NDF: 1209.7/21

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

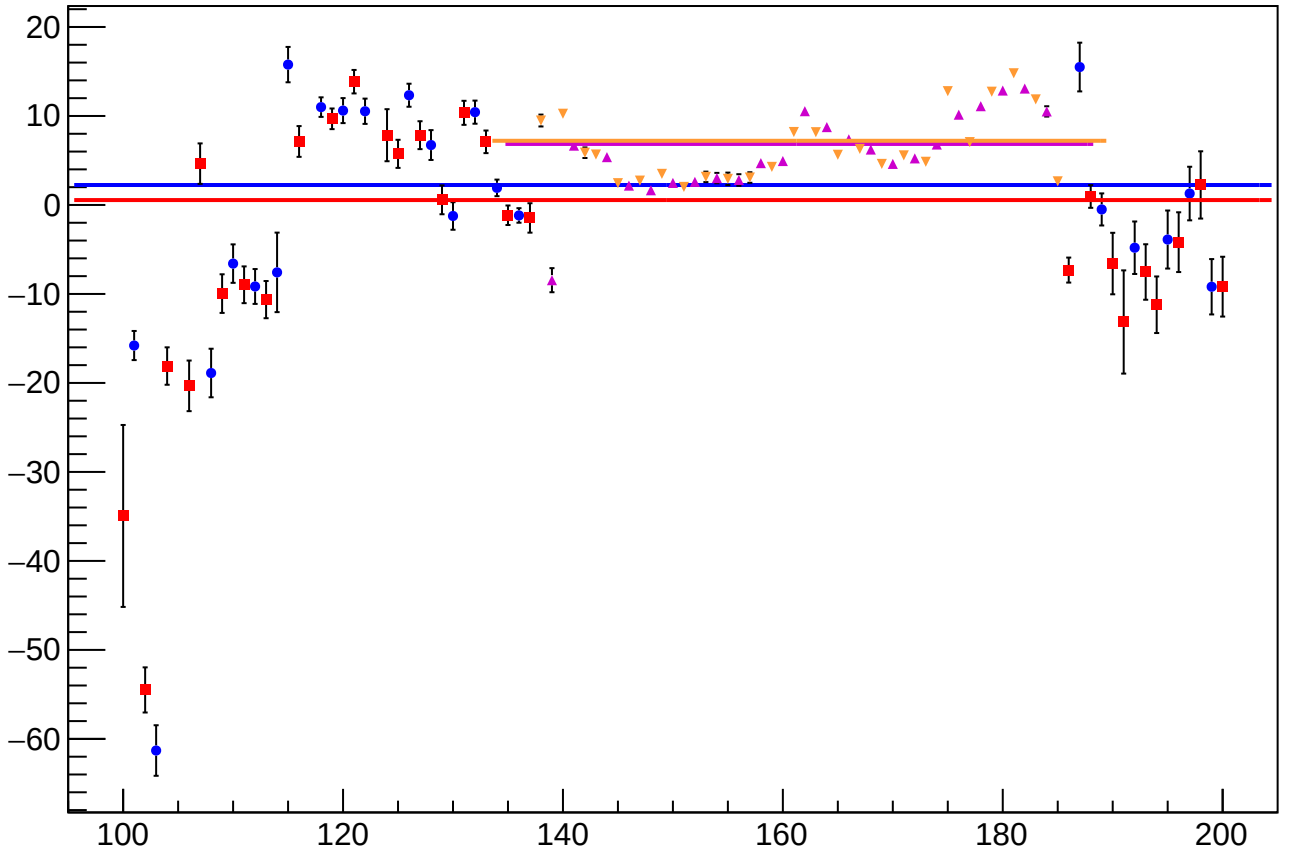
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -3.511+/-0.223 χ^2/NDF: 5444.9/49

In: -14.696+/-0.097 χ^2/NDF:6803.1/44

Out: -14.632+/-0.095 χ^2/NDF:12121.9/52

All: -14.663+/-0.068 χ^2/NDF: 18925.2/97



Right In: 2.242+/-0.339 χ^2/NDF: 1095.7/21

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

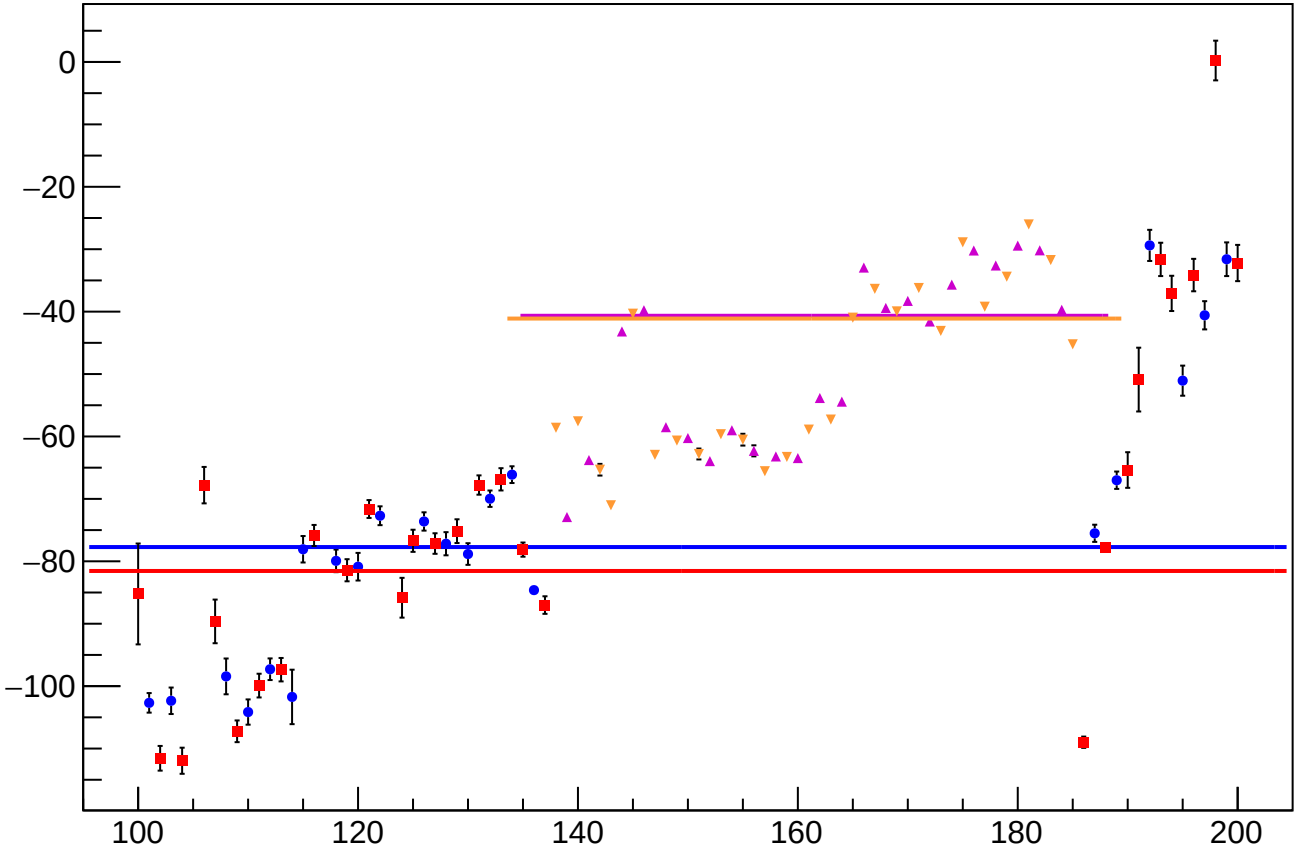
Right: 1.412+/-0.242 χ^2/NDF: 2172.7/49

In: 6.606+/-0.079 χ^2/NDF:3427.7/44

Out: 6.872+/-0.078 χ^2/NDF:3874.1/52

All: 6.740+/-0.055 χ^2/NDF: 7307.6/97

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.717+/-0.343 χ^2/NDF: 2118.0/21

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

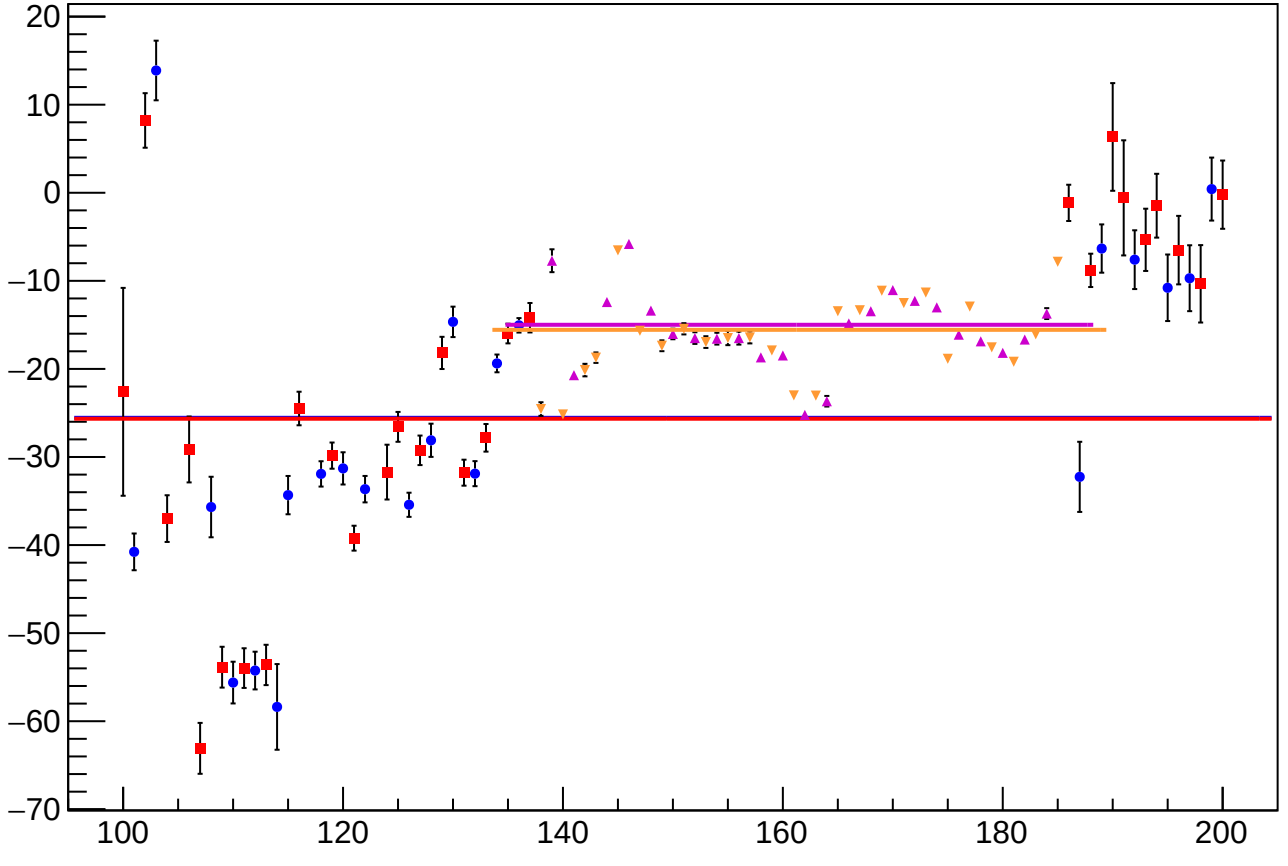
Right: -79.763+/-0.234 χ^2/NDF: 6188.9/49

In: -43.682+/-0.098 χ^2/NDF:26357.5/44

Out: -44.690+/-0.095 χ^2/NDF:34477.5/52

All: -44.199+/-0.068 χ^2/NDF: 60889.2/97

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.552+/-0.381 χ^2/NDF: 1140.3/21

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

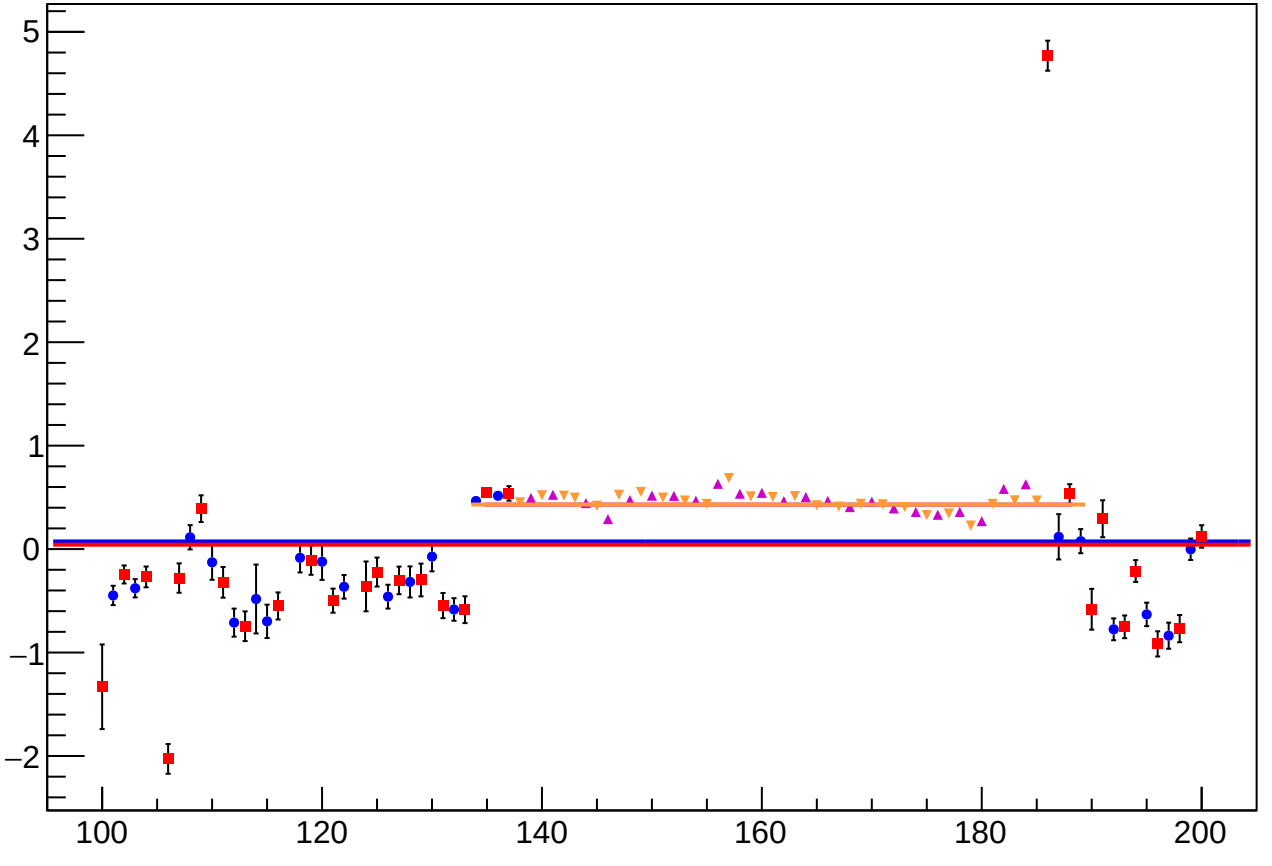
Right: -25.602+/-0.275 χ^2/NDF: 2589.4/49

In: -15.552+/-0.088 χ^2/NDF:4019.6/44

Out: -16.040+/-0.087 χ^2/NDF:4608.9/52

All: -15.799+/-0.062 χ^2/NDF: 8644.0/97

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.074+/-0.020 χ^2/NDF: 595.9/21

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

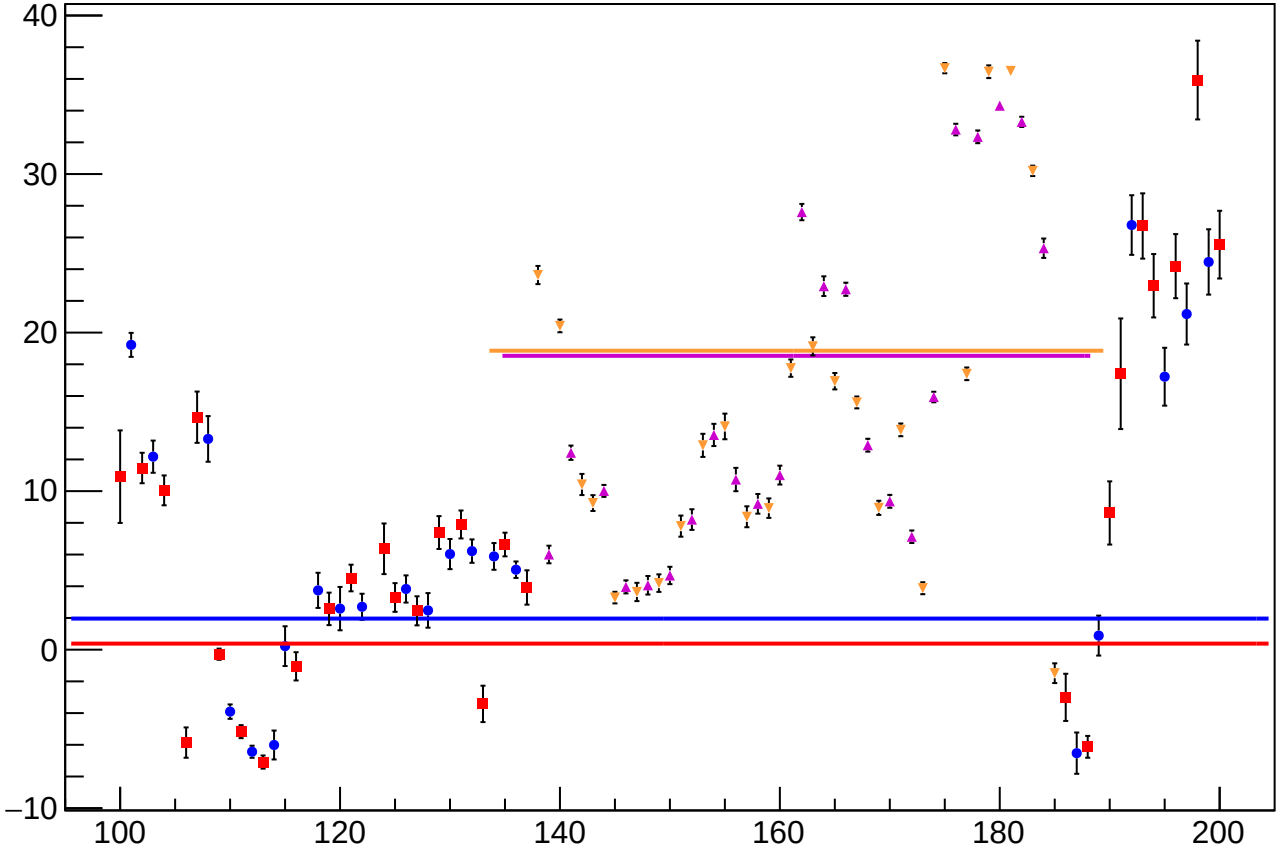
Right: 0.059+/-0.014 χ^2/NDF: 2430.7/49

In: 0.415+/-0.004 χ^2/NDF:1496.0/44

Out: 0.417+/-0.004 χ^2/NDF:2583.2/52

All: 0.416+/-0.003 χ^2/NDF: 4079.3/97

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.961+/-0.176 χ^2/NDF: 2037.1/21

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

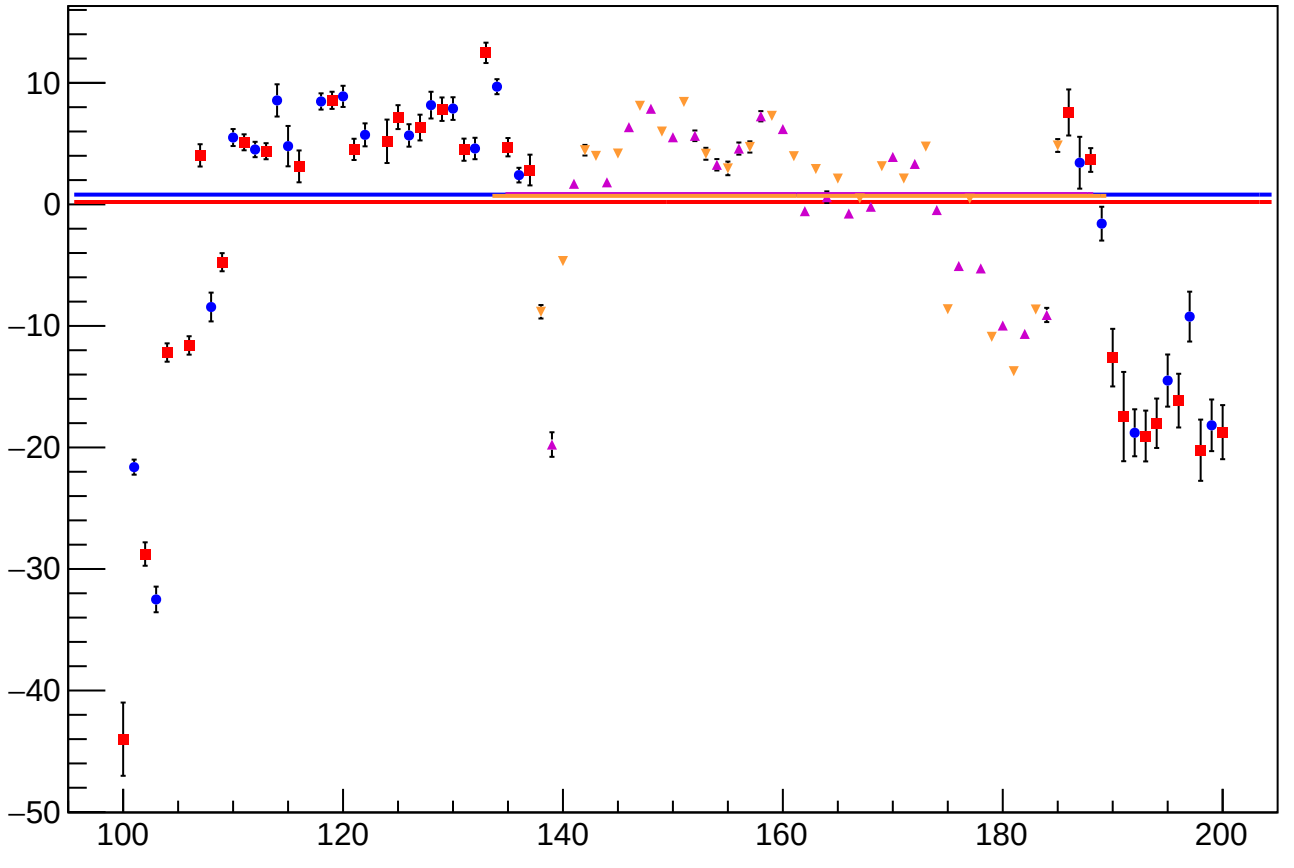
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.089+/-0.118 χ^2/NDF: 4145.8/49

In: 14.916+/-0.082 χ^2/NDF:23002.9/44

Out: 14.332+/-0.079 χ^2/NDF:30668.9/52

All: 14.610+/-0.057 χ^2/NDF: 53698.2/97



Right In: 0.804+/-0.197 χ^2/NDF: 3352.4/21

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

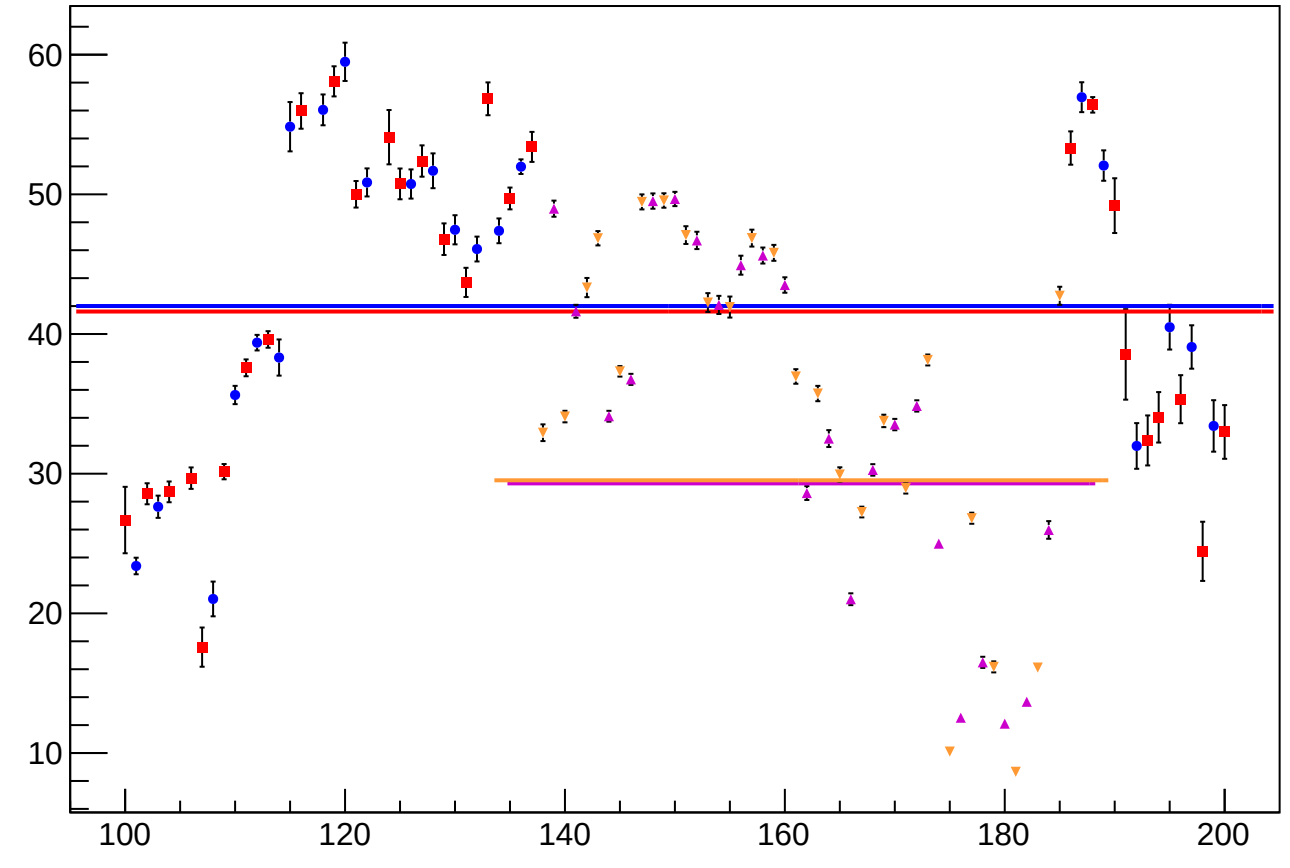
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: 0.494+/-0.137 χ^2/NDF: 6184.1/49

In: 0.842+/-0.068 χ^2/NDF:9397.8/44

Out: 0.642+/-0.066 χ^2/NDF:11070.7/52

All: 0.739+/-0.047 χ^2/NDF: 20473.0/97



Right In: 42.004+/-0.197 χ^2/NDF: 3098.3/21

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

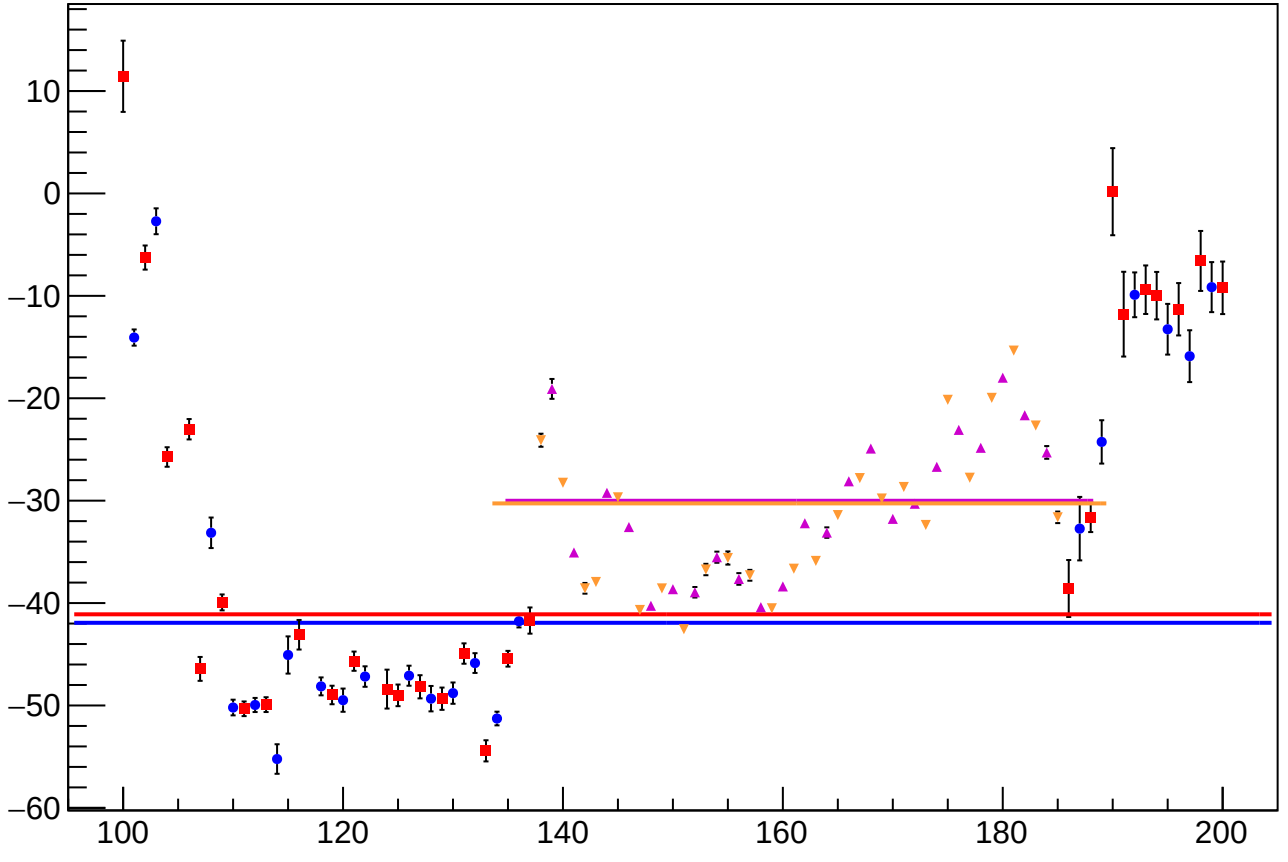
Right: 41.792+/-0.134 χ^2/NDF: 6800.2/49

In: 31.621+/-0.084 χ^2/NDF:24360.8/44

Out: 31.916+/-0.081 χ^2/NDF:28303.2/52

All: 31.774+/-0.058 χ^2/NDF: 52670.3/97

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -41.927+/-0.223 χ^2/NDF: 3733.0/21

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

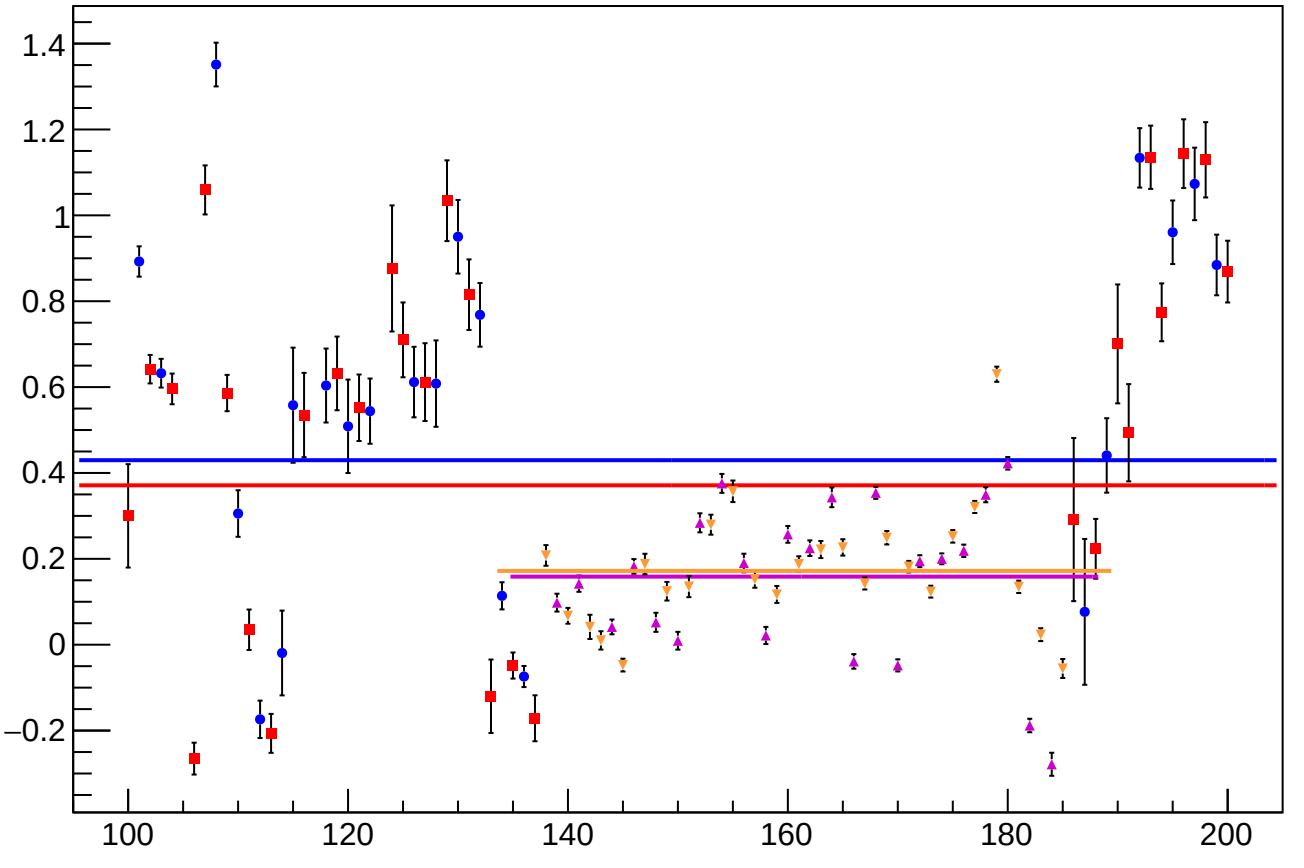
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -41.507+/-0.157 χ^2/NDF: 7230.3/49

In: -31.406+/-0.076 χ^2/NDF:12328.1/44

Out: -31.507+/-0.075 χ^2/NDF:14127.1/52

All: -31.458+/-0.053 χ^2/NDF: 26456.2/97



Right In: 0.430+/-0.011 χ^2/NDF: 1605.2/21

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

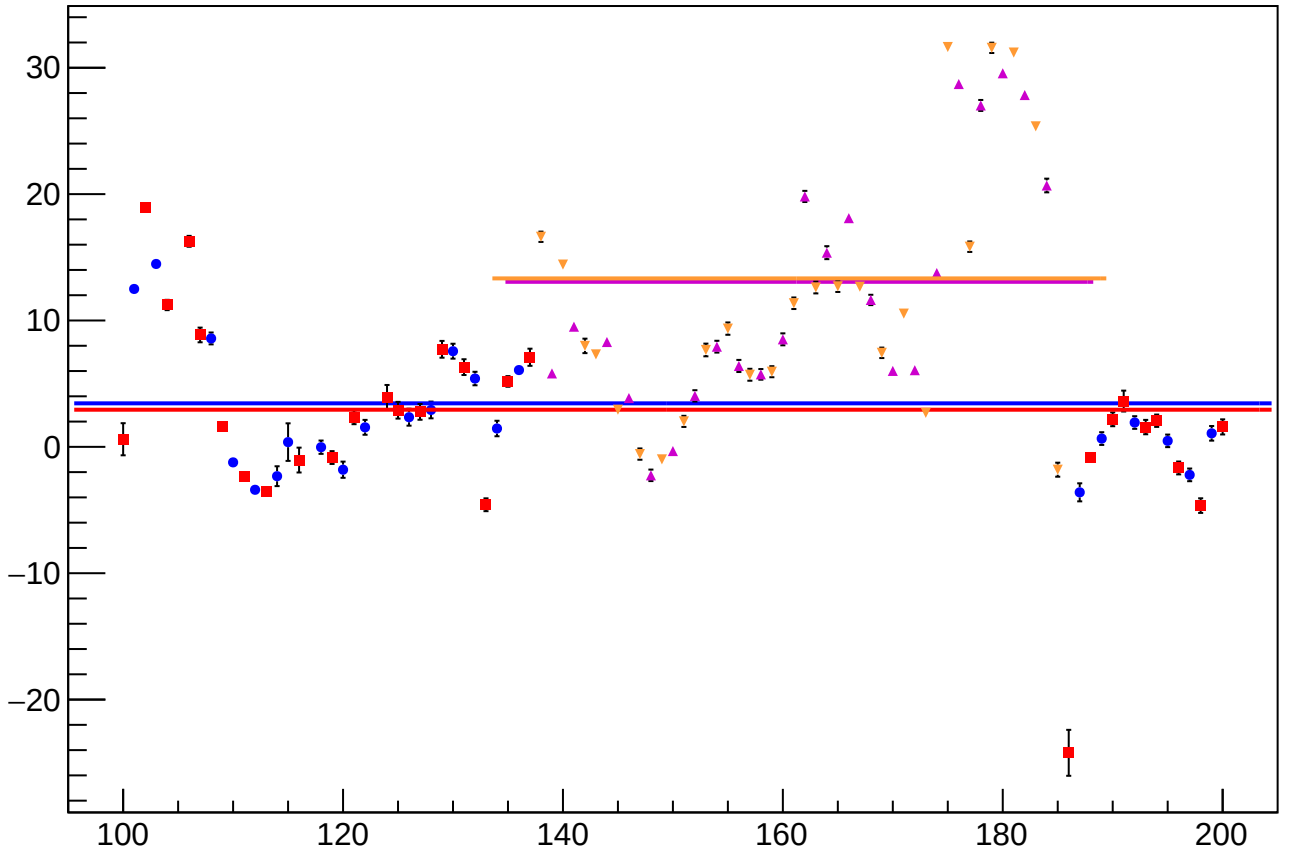
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.400+/-0.008 χ^2/NDF: 3230.9/49

In: 0.183+/-0.003 χ^2/NDF:4301.6/44

Out: 0.190+/-0.003 χ^2/NDF:3404.6/52

All: 0.187+/-0.002 χ^2/NDF: 7708.2/97



Right In: 3.443+/-0.103 χ^2/NDF: 3010.8/21

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

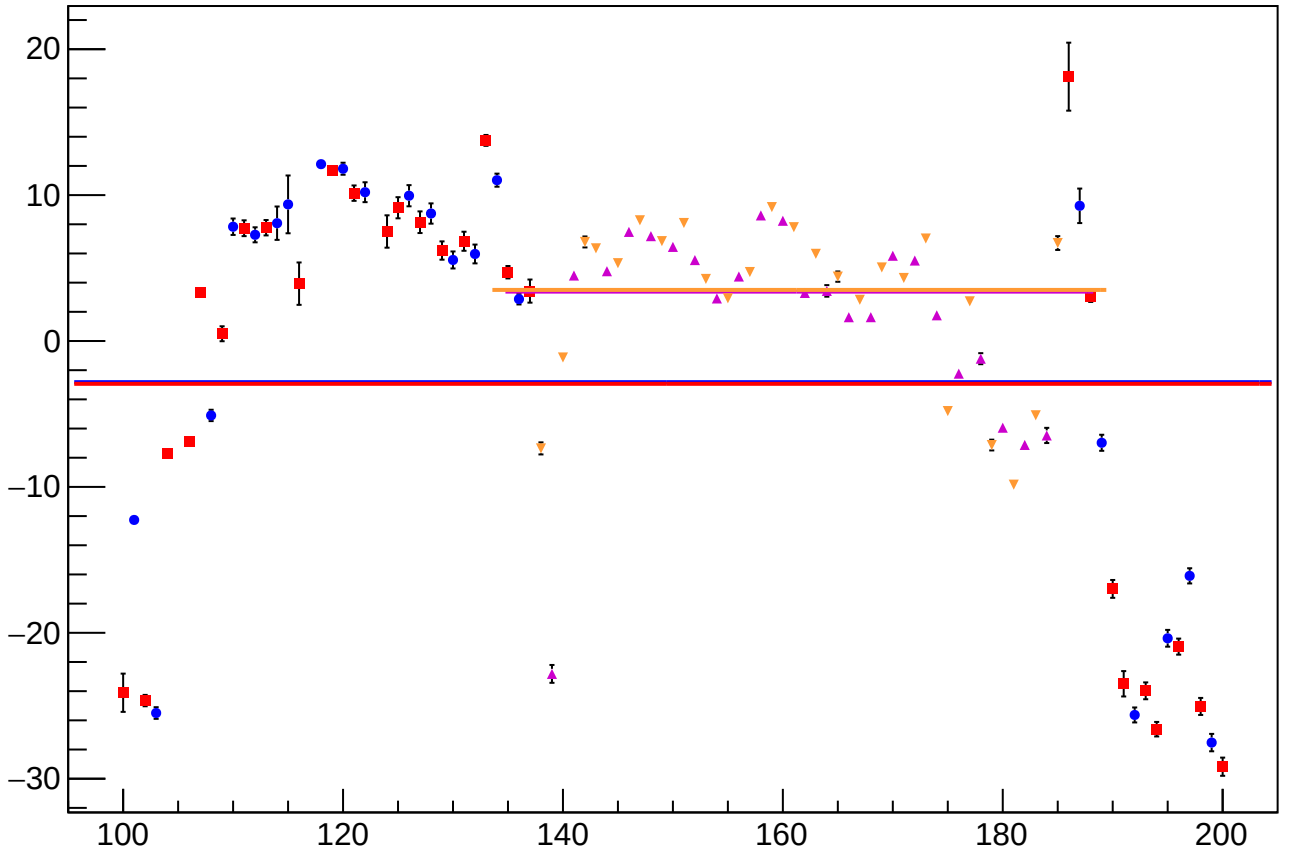
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.159+/-0.068 χ^2/NDF: 8105.9/49

In: 9.487+/-0.063 χ^2/NDF:24034.4/44

Out: 9.004+/-0.059 χ^2/NDF:32142.9/52

All: 9.229+/-0.043 χ^2/NDF: 56208.8/97



Right In: -2.822+/-0.104 χ^2/NDF: 16817.7/21

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

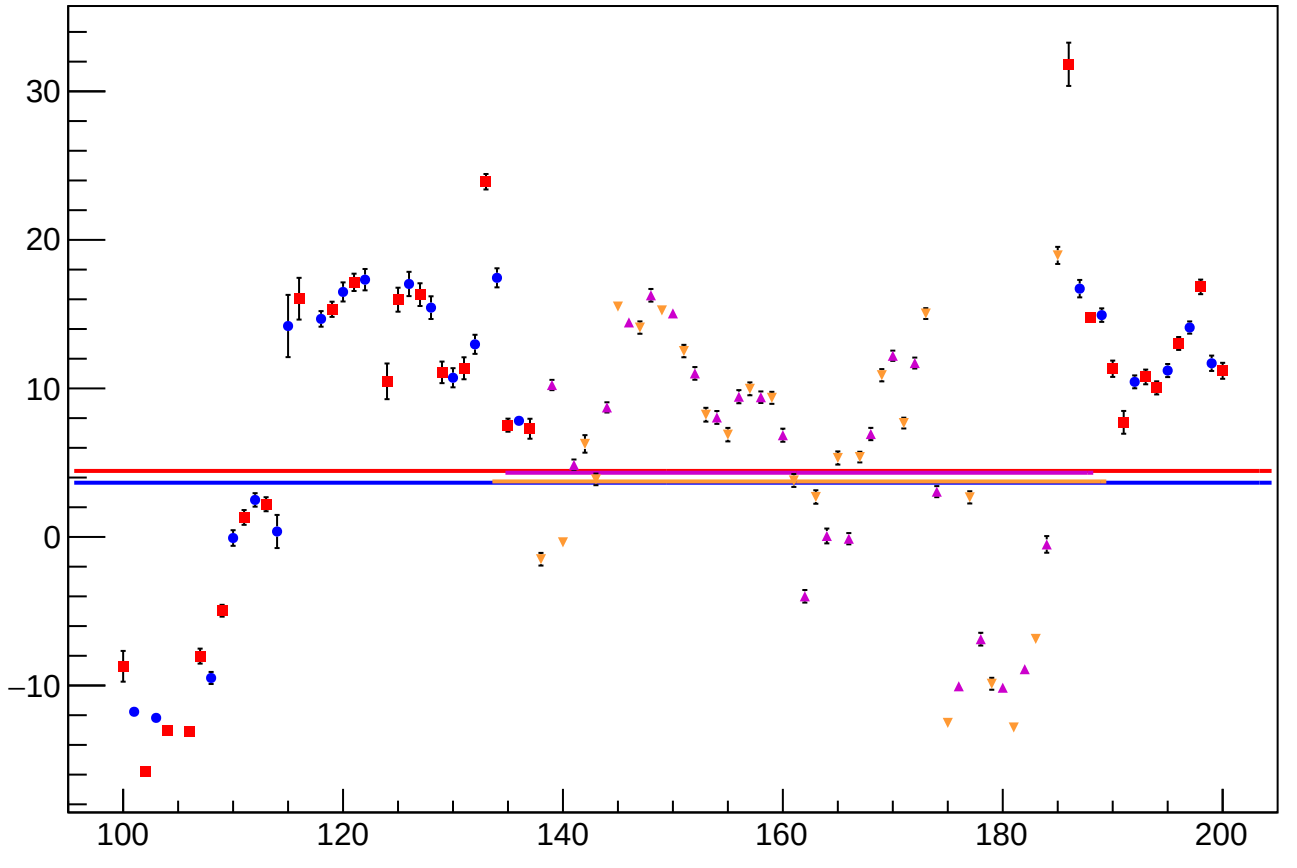
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -2.882+/-0.071 χ^2/NDF: 37051.8/49

In: 1.805+/-0.053 χ^2/NDF:26160.0/44

Out: 1.762+/-0.050 χ^2/NDF:31412.1/52

All: 1.782+/-0.036 χ^2/NDF: 57572.5/97



Right In: 3.652+/-0.101 χ^2/NDF: 12764.1/21

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

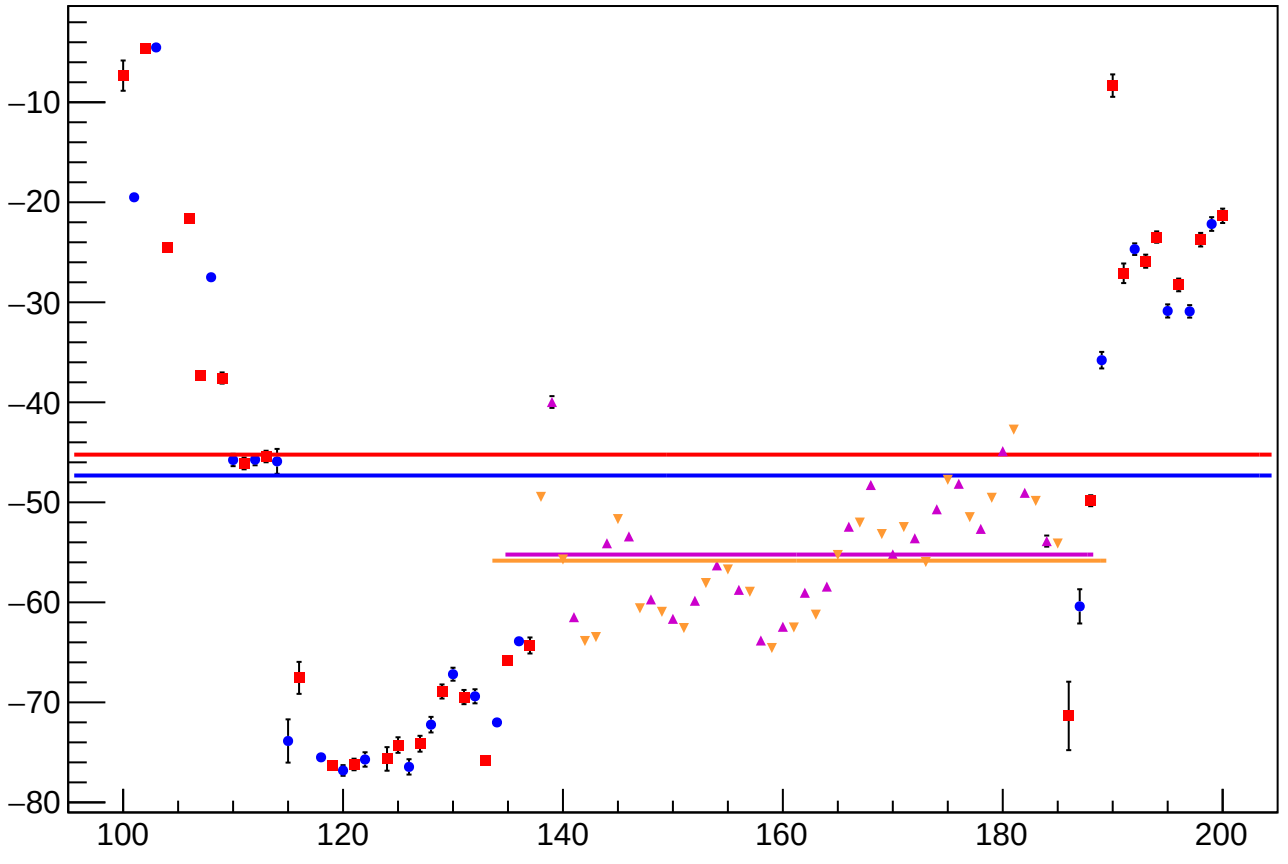
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.098+/-0.067 χ^2/NDF: 32069.4/49

In: 4.069+/-0.062 χ^2/NDF:25274.9/44

Out: 4.038+/-0.058 χ^2/NDF:34893.6/52

All: 4.052+/-0.042 χ^2/NDF: 60168.6/97



Right In: -47.318+/-0.123 χ^2/NDF: 39035.2/21

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

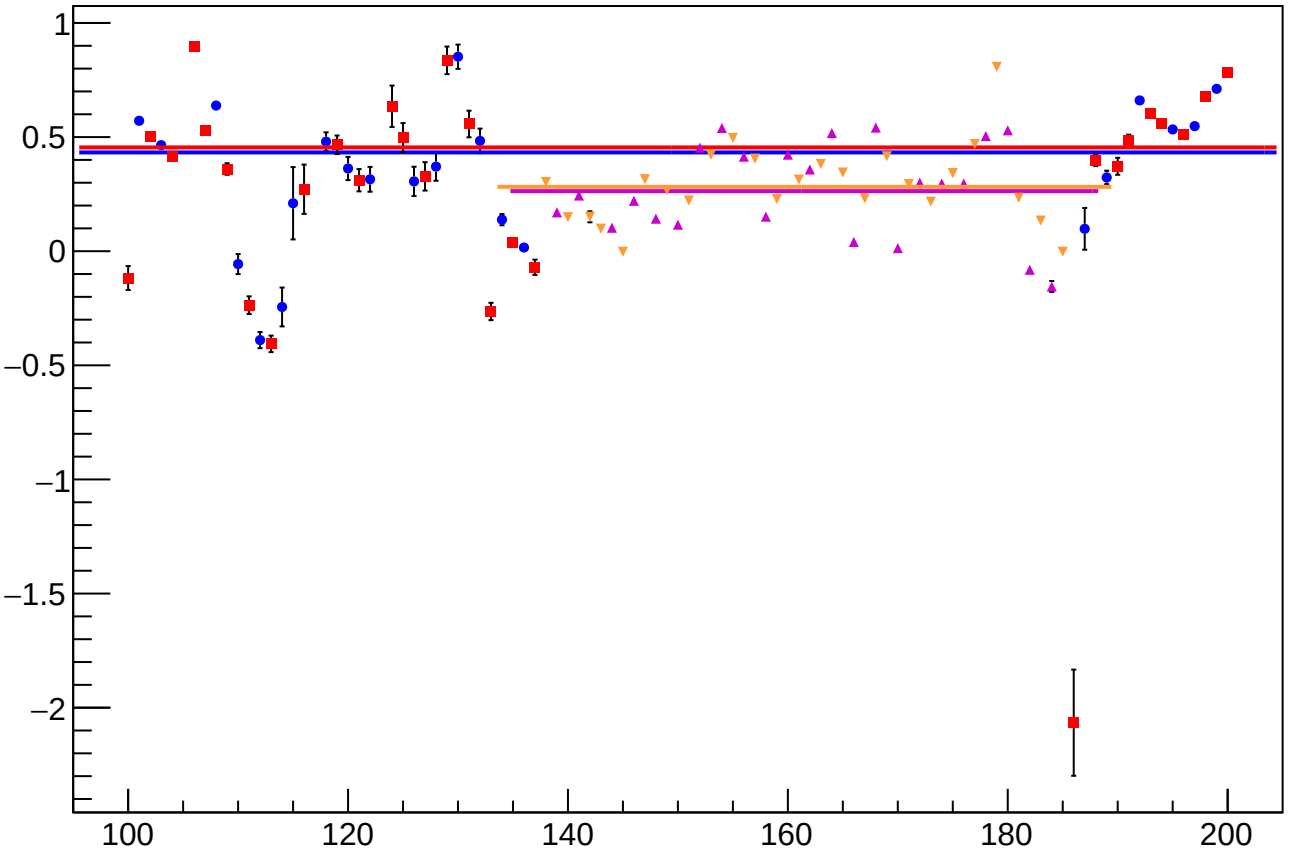
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -46.202+/-0.084 χ^2/NDF: 81121.5/49

In: -53.344+/-0.060 χ^2/NDF:48523.2/44

Out: -53.179+/-0.057 χ^2/NDF:55915.7/52

All: -53.258+/-0.041 χ^2/NDF: 104442.8/97



Right In: 0.433+/-0.005 χ^2/NDF: 2425.8/21

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

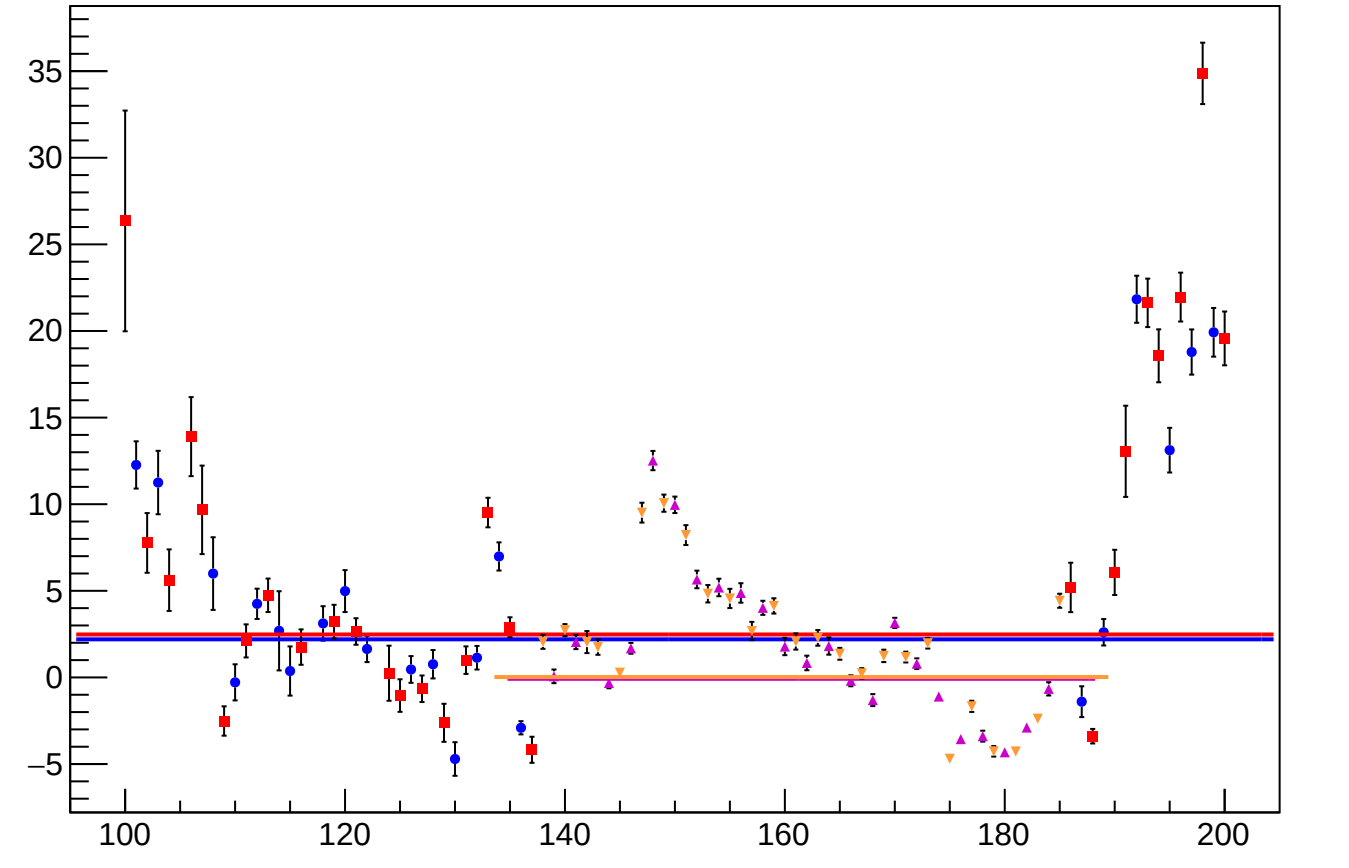
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

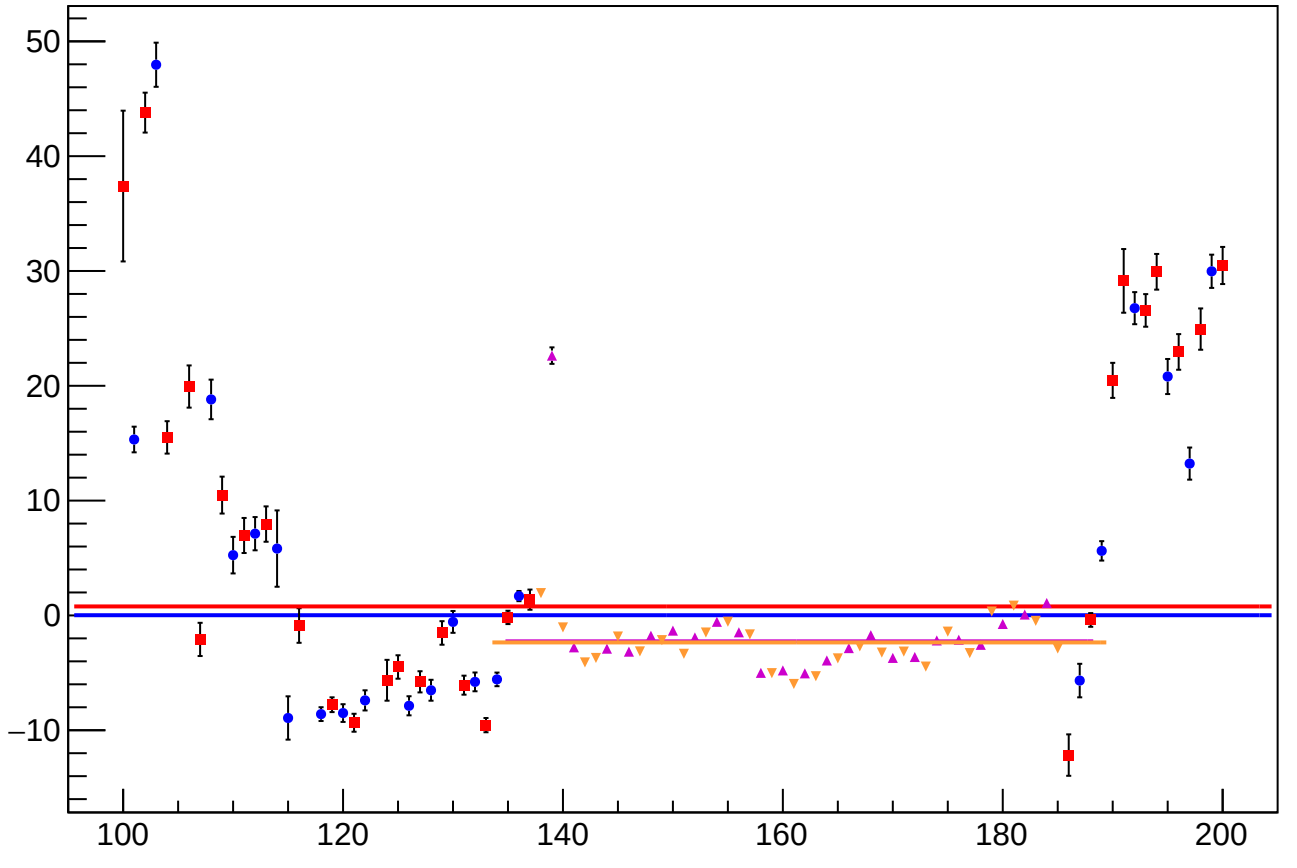
Right: 0.445+/-0.004 χ^2/NDF: 6000.3/49

In: 0.306+/-0.003 χ^2/NDF:7048.3/44

Out: 0.331+/-0.003 χ^2/NDF:7222.0/52

All: 0.319+/-0.002 χ^2/NDF: 14316.6/97


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: 2.199+/-0.191 χ²/NDF: 994.6/21
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: 2.344+/-0.133 χ²/NDF: 2468.2/49
In: 0.195+/-0.066 χ²/NDF:3584.2/44
Out: 0.319+/-0.064 χ²/NDF:4387.0/52
All: 0.259+/-0.046 χ²/NDF: 7973.0/97



Right In: 0.018+/-0.199 χ^2/NDF: 2811.0/21

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

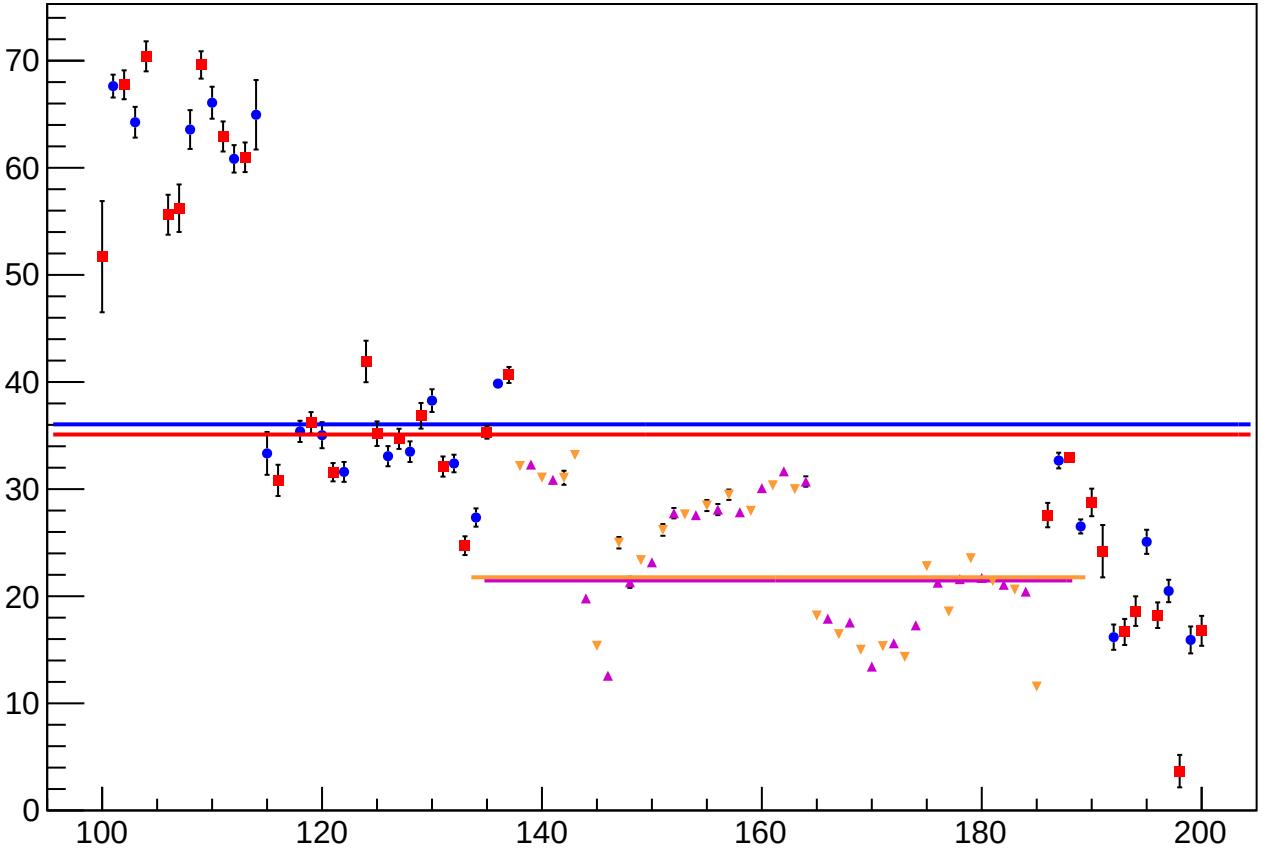
Right: 0.396+/-0.141 χ^2/NDF: 6277.4/49

In: -2.087+/-0.054 χ^2/NDF:4809.7/44

Out: -2.133+/-0.053 χ^2/NDF:4811.1/52

All: -2.110+/-0.038 χ^2/NDF: 9621.2/97

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.047+/-0.197 χ^2/NDF: 3704.1/21

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

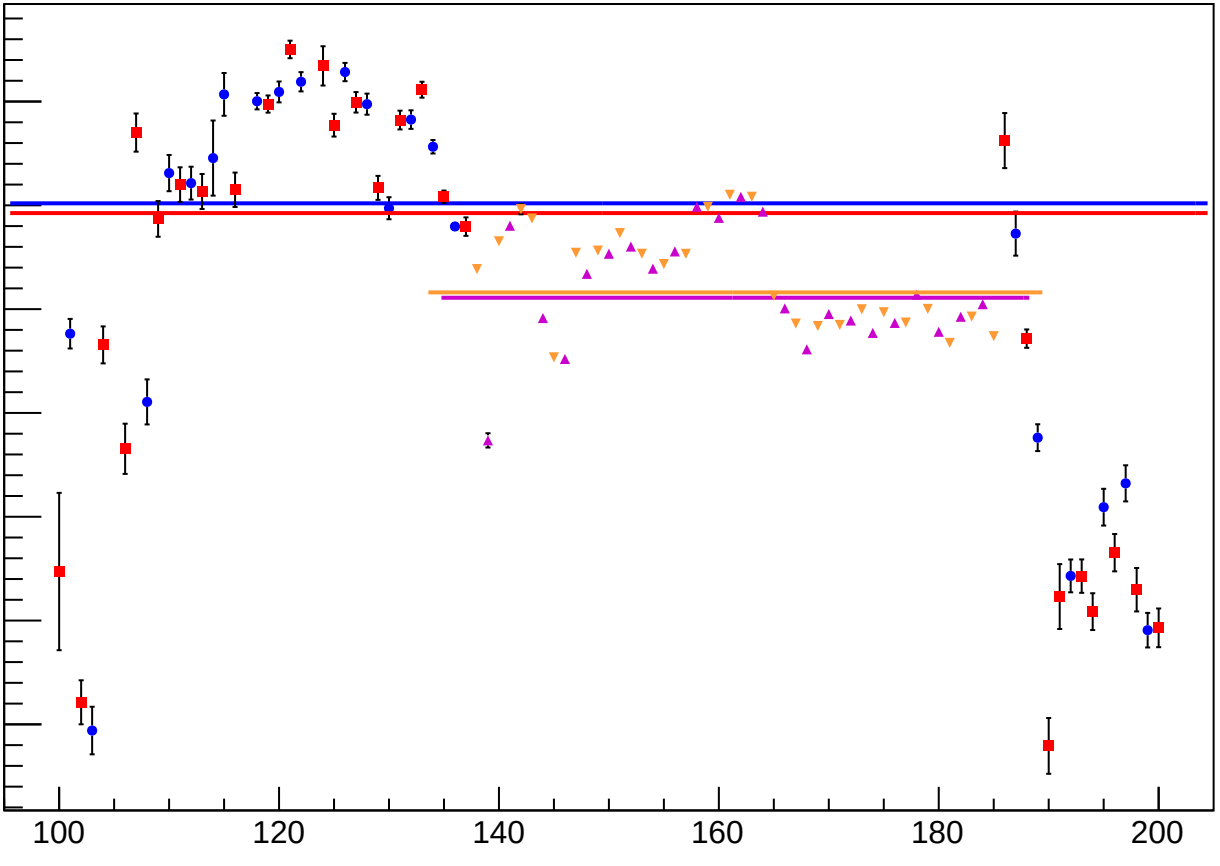
Right: 35.545+/-0.135 χ^2/NDF: 8178.5/49

In: 23.139+/-0.066 χ^2/NDF:14363.8/44

Out: 23.383+/-0.065 χ^2/NDF:15815.3/52

All: 23.264+/-0.046 χ^2/NDF: 30186.0/97

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 50.194+/-0.225 χ^2/NDF: 3526.9/21

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

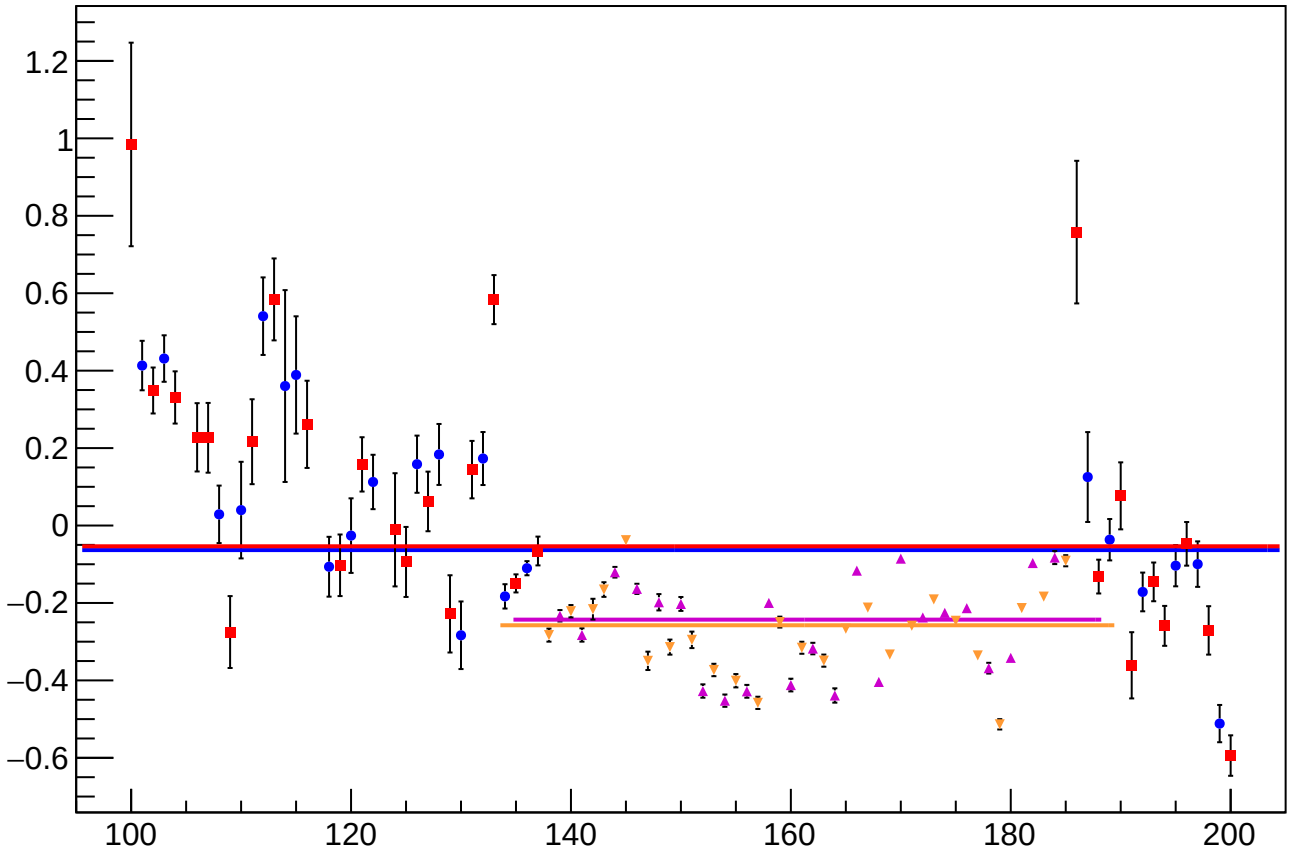
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 49.740+/-0.162 χ^2/NDF: 8038.7/49

In: 41.752+/-0.060 χ^2/NDF:10520.5/44

Out: 42.107+/-0.059 χ^2/NDF:11285.8/52

All: 41.933+/-0.042 χ^2/NDF: 21824.0/97



Right In: -0.063+/-0.011 χ^2/NDF: 334.1/21

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

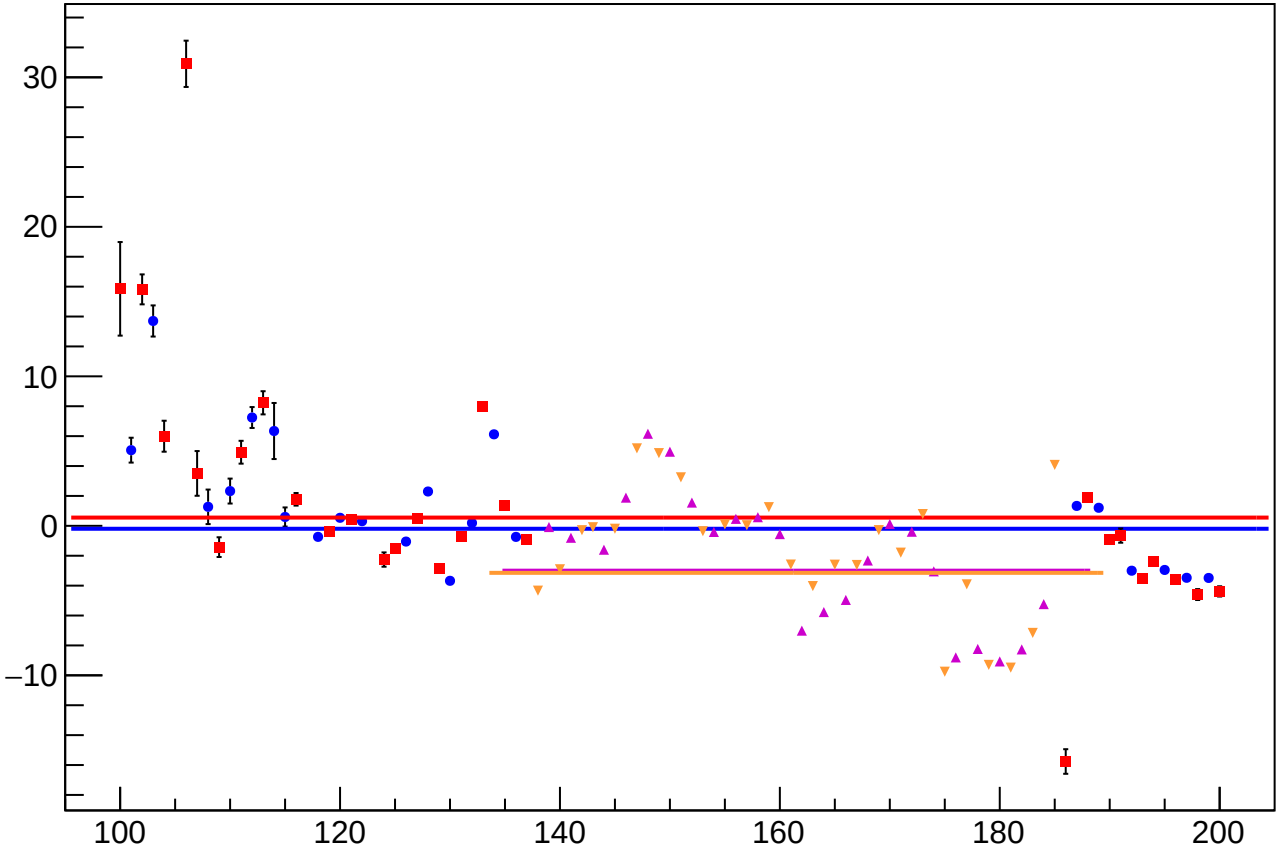
Right: -0.059+/-0.008 χ^2/NDF: 820.7/49

In: -0.233+/-0.003 χ^2/NDF:2389.0/44

Out: -0.247+/-0.003 χ^2/NDF:2295.6/52

All: -0.240+/-0.002 χ^2/NDF: 4699.0/97

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.196+/-0.064 χ^2/NDF: 1635.4/21

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

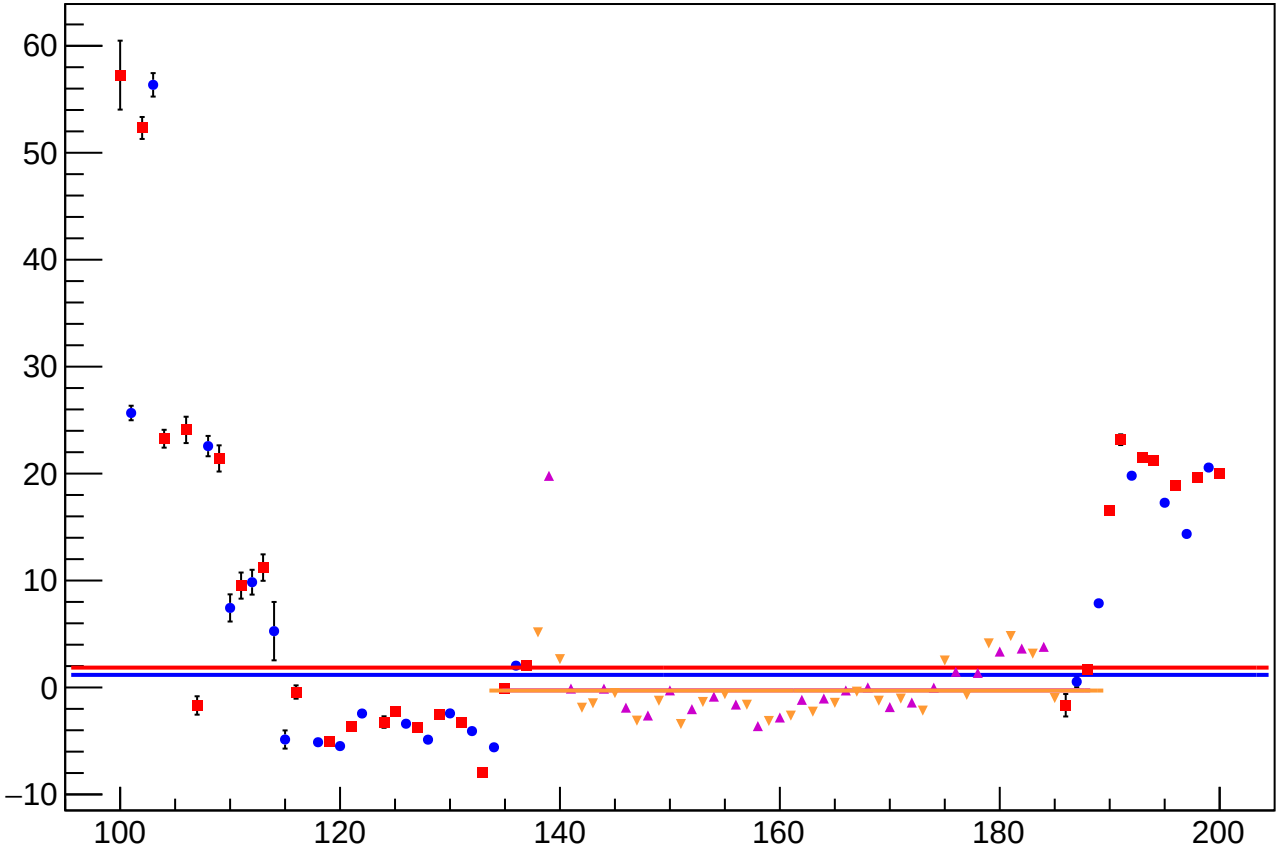
Right: 0.217+/-0.043 χ^2/NDF: 5720.0/49

In: -2.540+/-0.026 χ^2/NDF:25650.7/44

Out: -2.453+/-0.025 χ^2/NDF:32691.3/52

All: -2.495+/-0.018 χ^2/NDF: 58347.7/97

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.178+/-0.062 χ^2/NDF: 22447.4/21

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

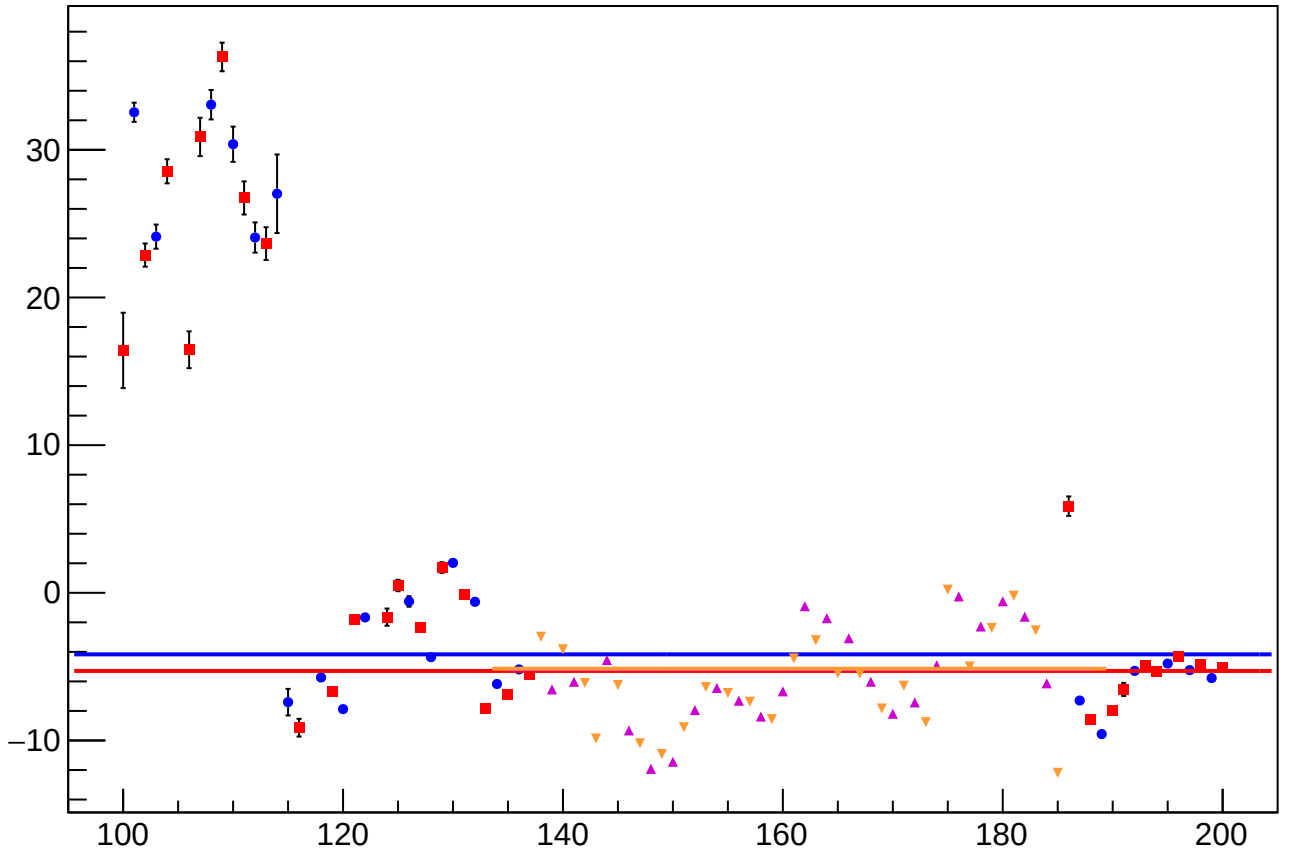
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 1.539+/-0.043 χ^2/NDF: 55105.9/49

In: -0.106+/-0.021 χ^2/NDF:36148.8/44

Out: -0.026+/-0.020 χ^2/NDF:45973.9/52

All: -0.065+/-0.015 χ^2/NDF: 82130.1/97



Right In: -4.168+/-0.064 χ^2/NDF: 9376.3/21

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

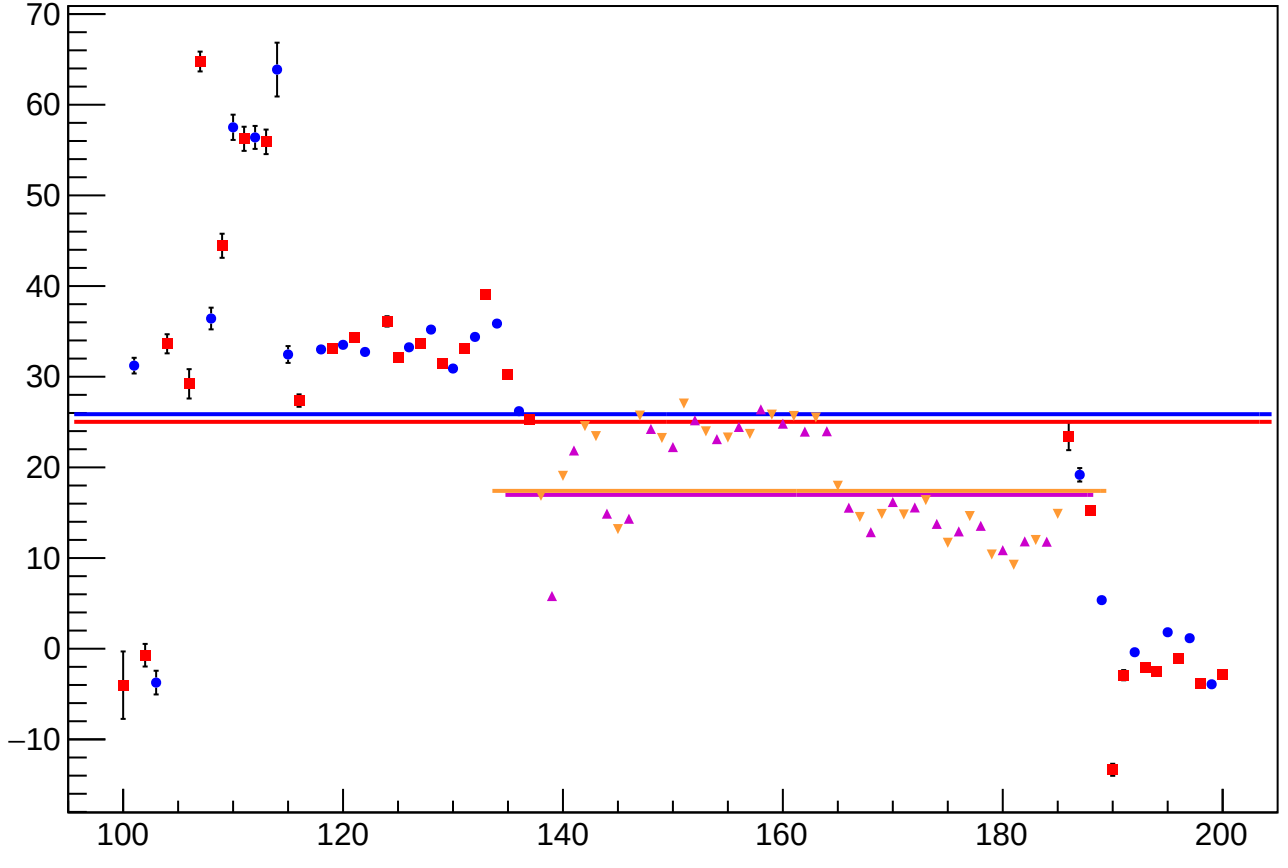
Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

Right: -4.811+/-0.042 χ^2/NDF: 20032.3/49

In: -5.011+/-0.026 χ^2/NDF:23547.8/44

Out: -5.169+/-0.025 χ^2/NDF:25112.0/52

All: -5.093+/-0.018 χ^2/NDF: 48679.0/97



Right In: 25.867+/-0.073 χ^2/NDF: 32553.1/21

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

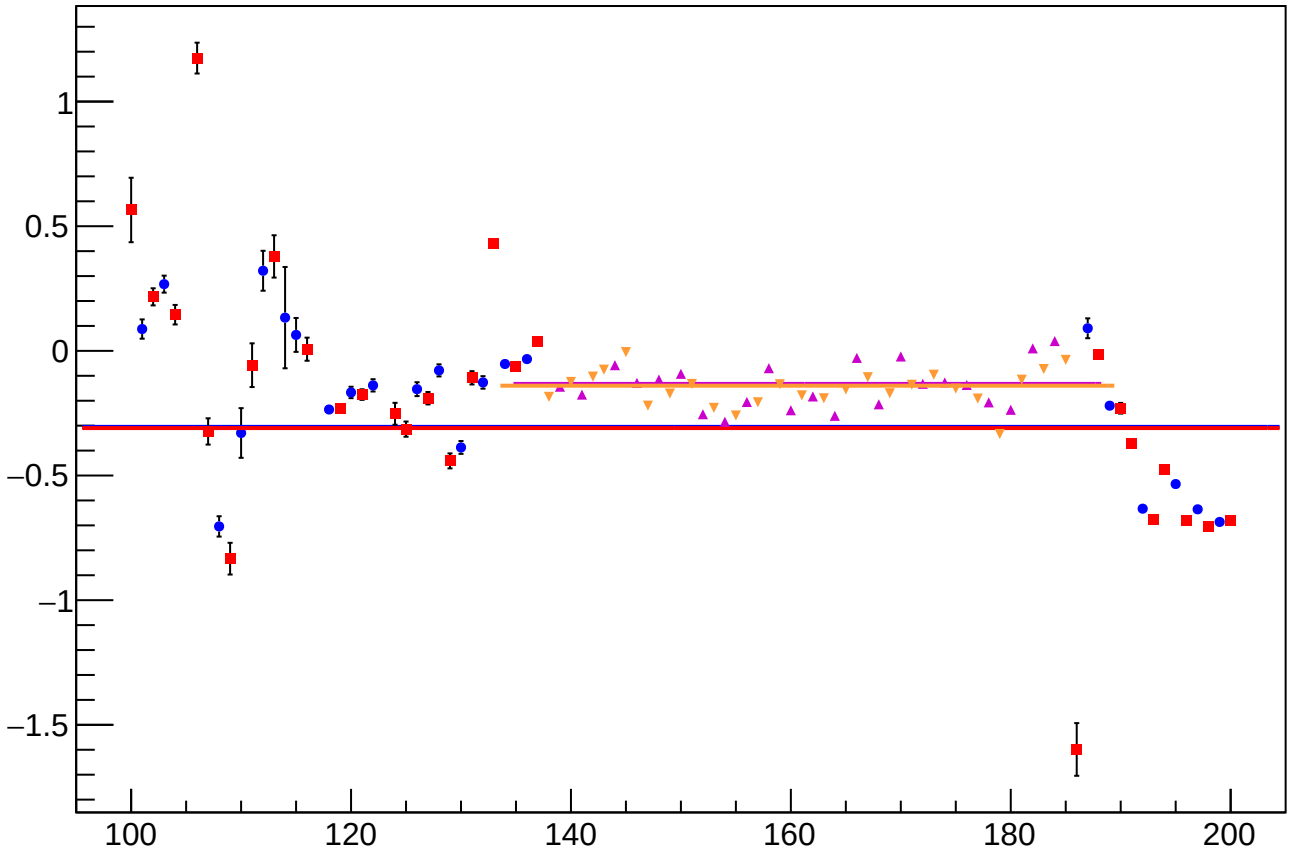
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 25.426+/-0.050 χ^2/NDF: 83086.5/49

In: 17.912+/-0.024 χ^2/NDF:85932.8/44

Out: 18.251+/-0.023 χ^2/NDF:111814.1/52

All: 18.085+/-0.017 χ^2/NDF: 197852.1/97



Right In: -0.305+/-0.004 χ^2/NDF: 6263.2/21

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

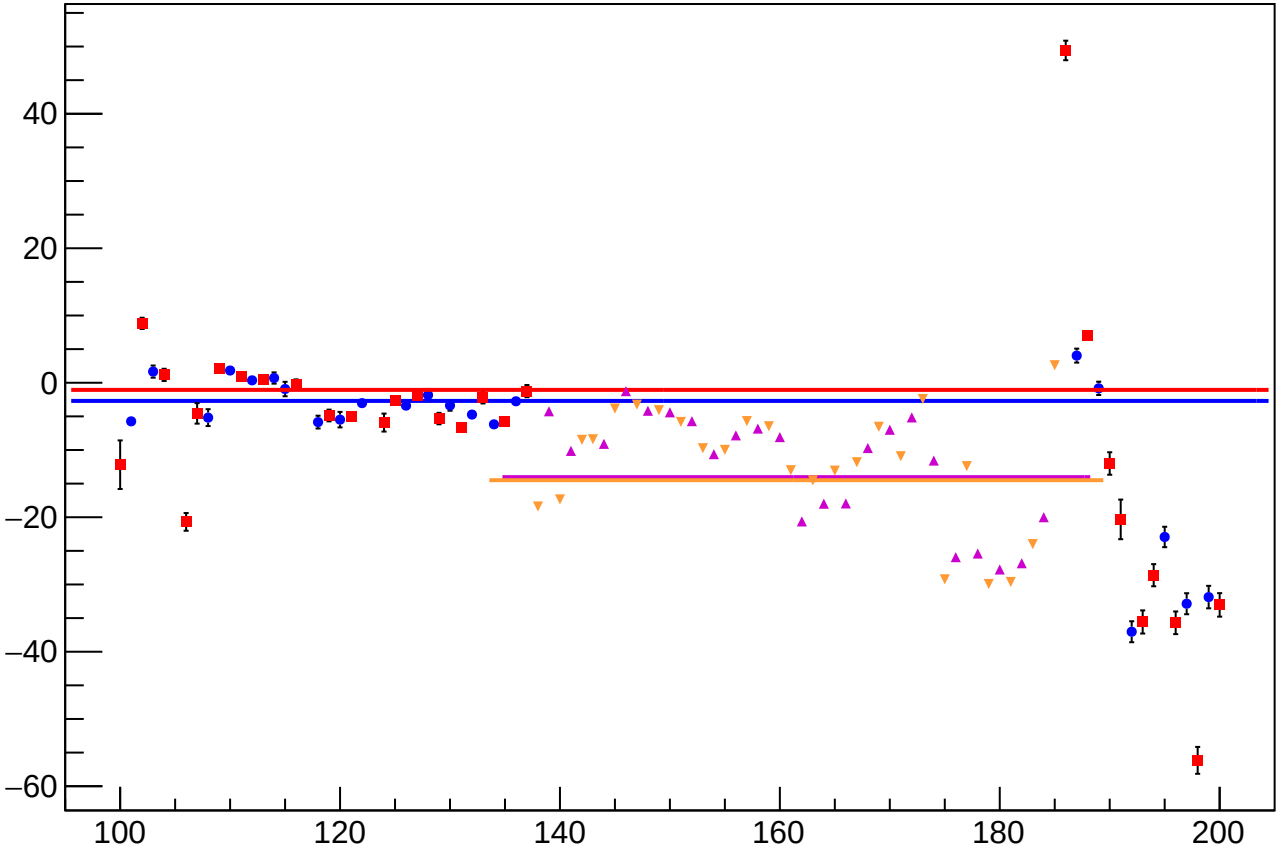
Right: -0.307+/-0.002 χ^2/NDF: 16894.2/49

In: -0.148+/-0.001 χ^2/NDF:13966.6/44

Out: -0.156+/-0.001 χ^2/NDF:17132.5/52

All: -0.152+/-0.001 χ^2/NDF: 31131.1/97

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.702+/-0.151 χ^2/NDF: 1716.5/21

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

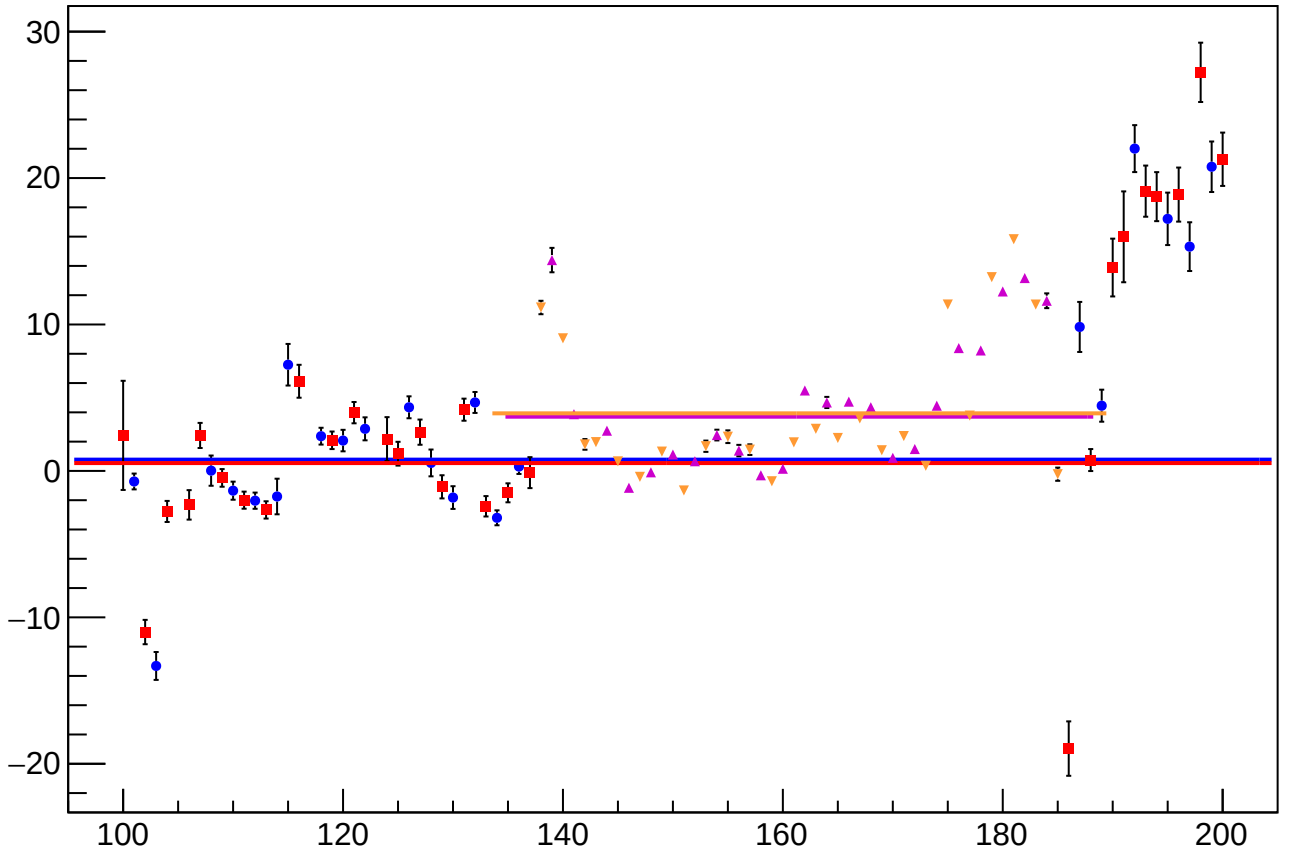
Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

Right: -1.816+/-0.102 χ^2/NDF: 6241.9/49

In: -11.699+/-0.068 χ^2/NDF:19692.7/44

Out: -11.487+/-0.066 χ^2/NDF:28920.1/52

All: -11.589+/-0.047 χ^2/NDF: 48617.8/97



Right In: 0.770+/-0.167 χ^2/NDF: 943.0/21

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

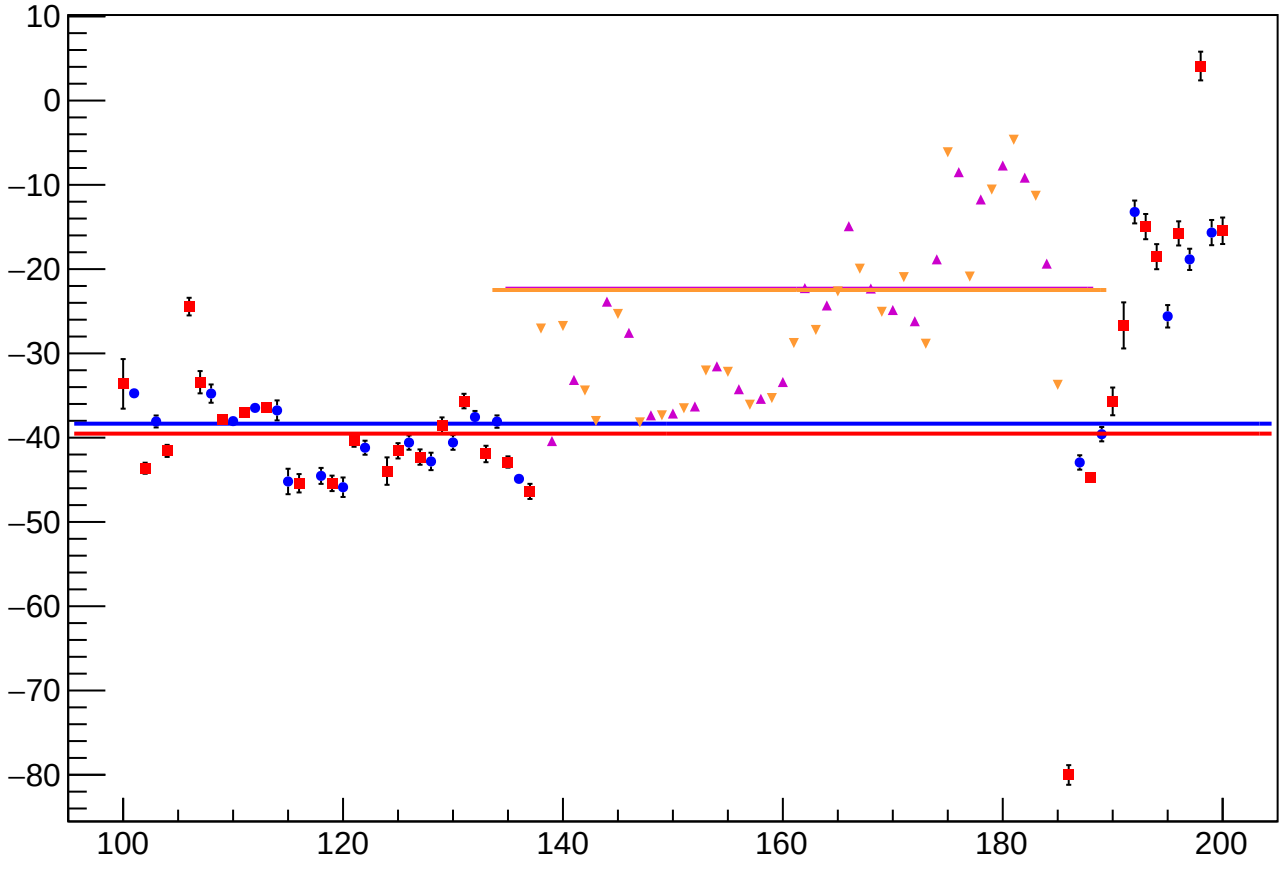
Right: 0.653+/-0.118 χ^2/NDF: 2153.3/49

In: 3.374+/-0.056 χ^2/NDF:6006.3/44

Out: 3.568+/-0.055 χ^2/NDF:8557.1/52

All: 3.473+/-0.039 χ^2/NDF: 14569.5/97

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -38.339+/-0.167 χ^2/NDF: 1384.5/21

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

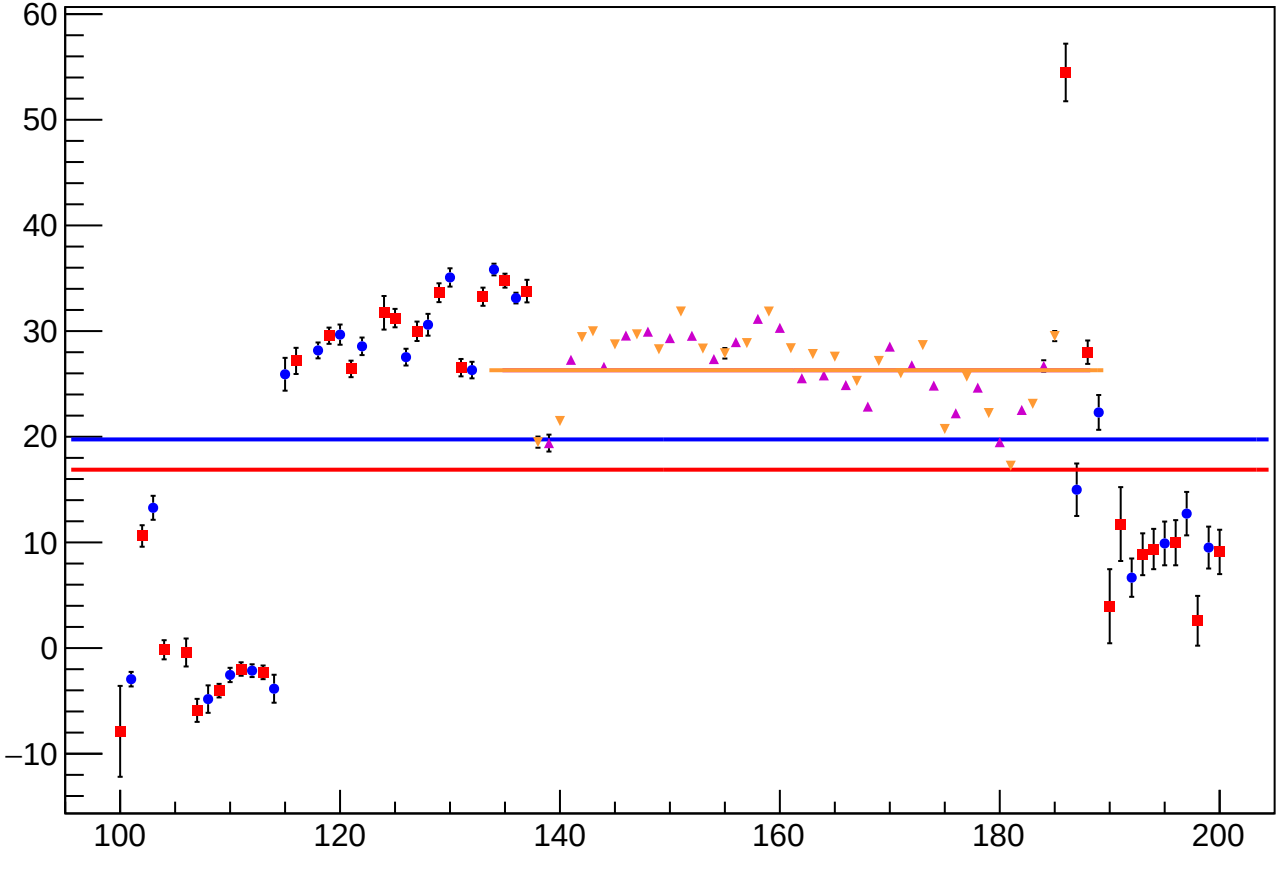
Right: -38.958+/-0.115 χ^2/NDF: 4981.7/49

In: -25.096+/-0.070 χ^2/NDF:26094.3/44

Out: -25.551+/-0.068 χ^2/NDF:33354.3/52

All: -25.330+/-0.049 χ^2/NDF: 59470.6/97

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.747+/-0.189 χ^2/NDF: 6807.7/21

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

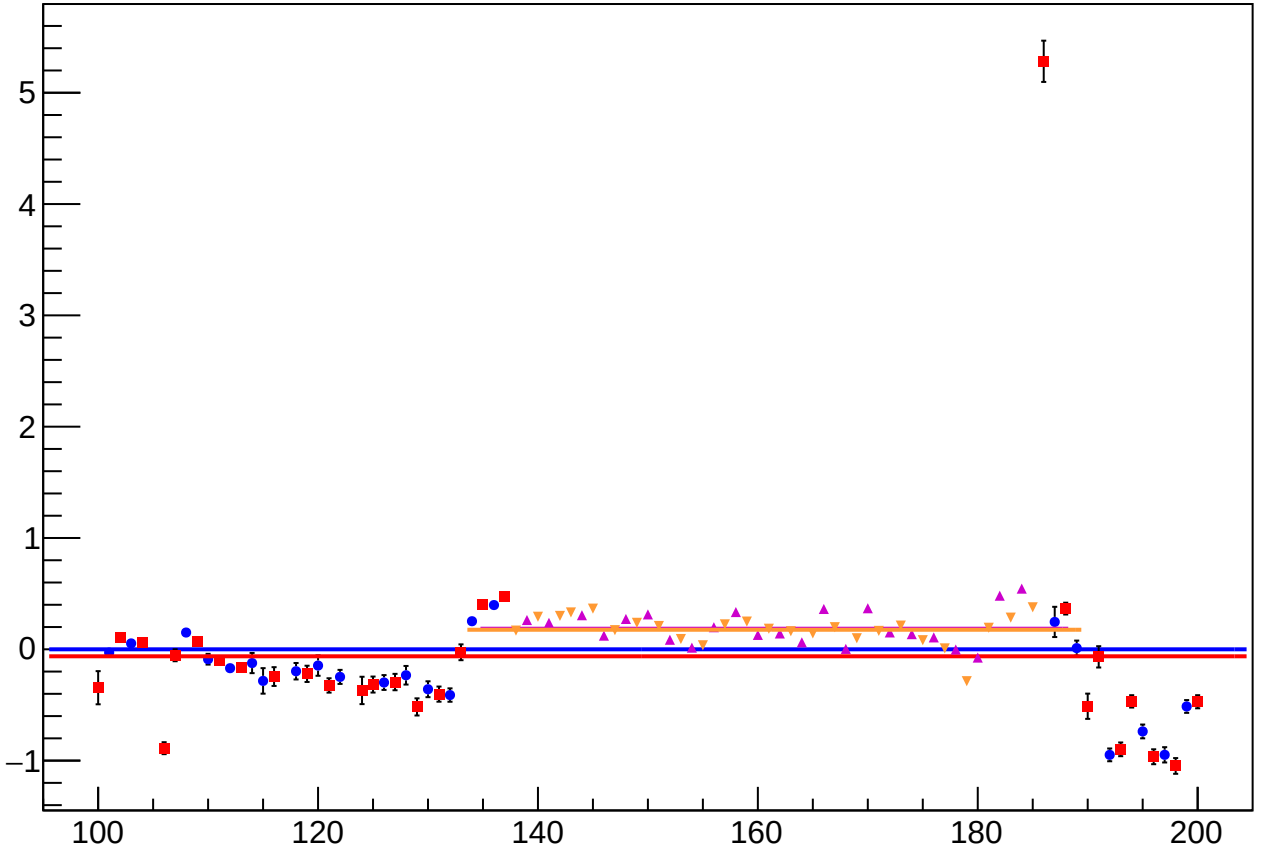
Right: 18.330+/-0.134 χ^2/NDF: 14060.2/49

In: 25.570+/-0.063 χ^2/NDF:10058.2/44

Out: 25.319+/-0.062 χ^2/NDF:12618.2/52

All: 25.442+/-0.044 χ^2/NDF: 22684.6/97

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.010 χ^2/NDF: 1325.4/21

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

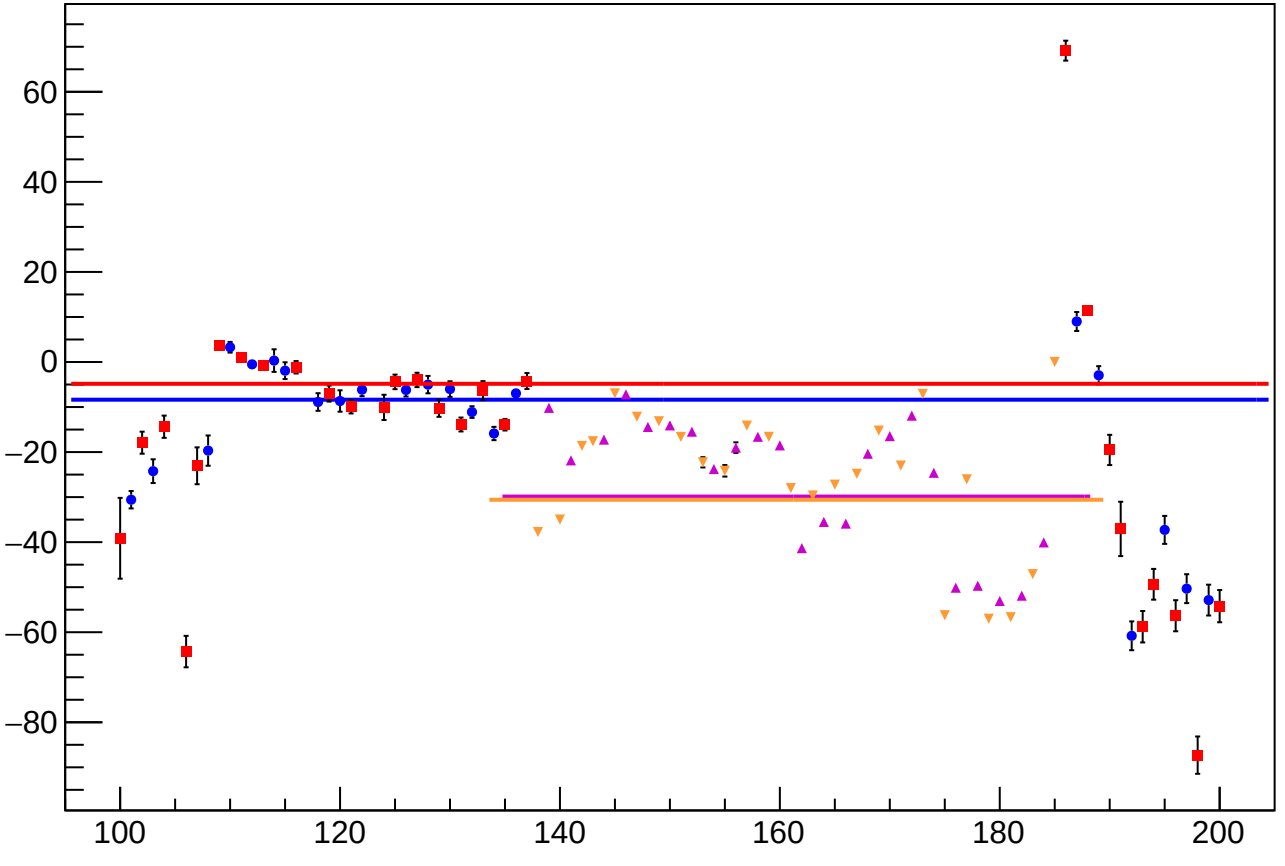
Right: -0.031+/-0.007 χ^2/NDF: 3798.7/49

In: 0.169+/-0.003 χ^2/NDF:4195.3/44

Out: 0.157+/-0.003 χ^2/NDF:4917.9/52

All: 0.163+/-0.002 χ^2/NDF: 9122.9/97

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.369+/-0.355 χ^2/NDF: 1177.0/21

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

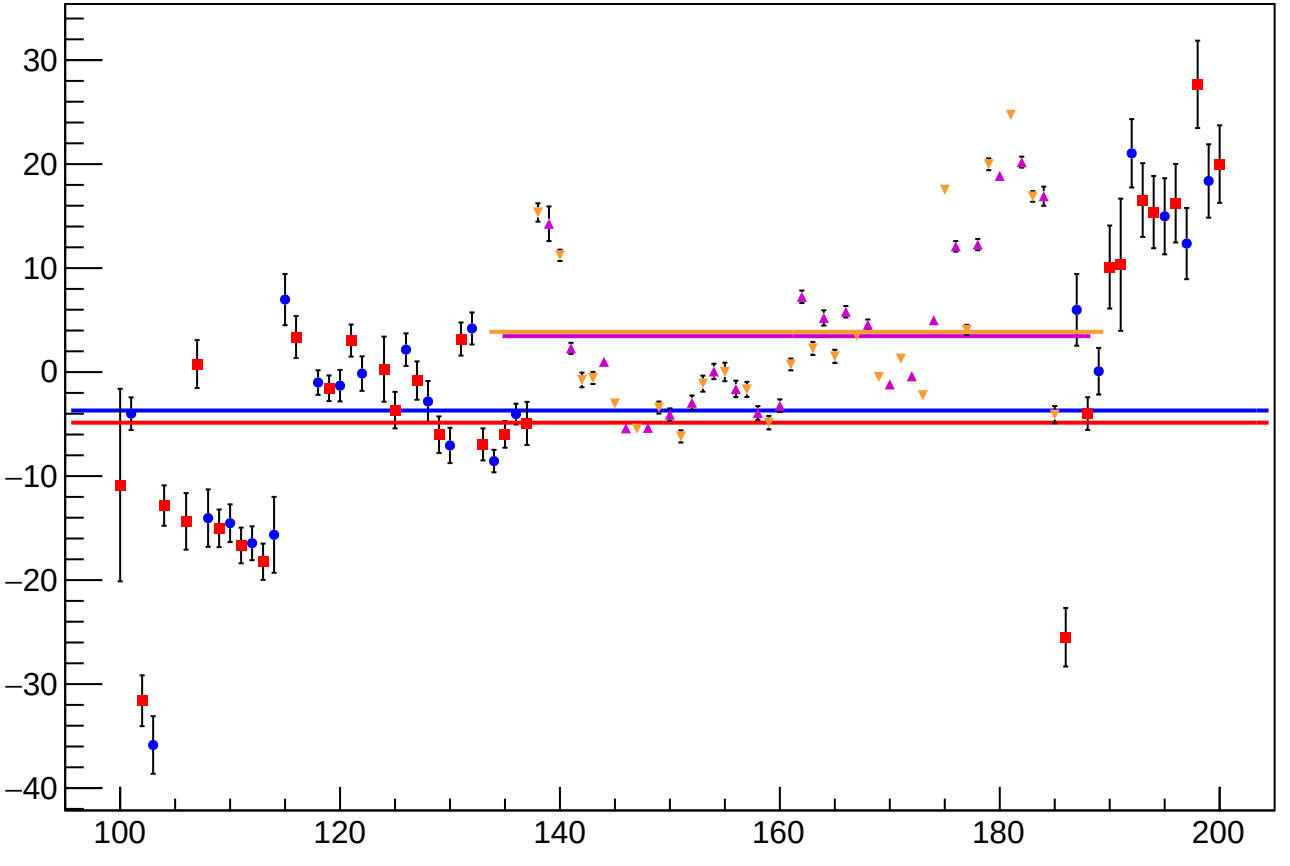
Right: -6.507+/-0.244 χ^2/NDF: 4431.9/49

In: -26.756+/-0.135 χ^2/NDF:16352.5/44

Out: -26.678+/-0.131 χ^2/NDF:24231.4/52

All: -26.716+/-0.094 χ^2/NDF: 40584.1/97

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.693+/-0.378 χ^2/NDF: 507.2/21

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

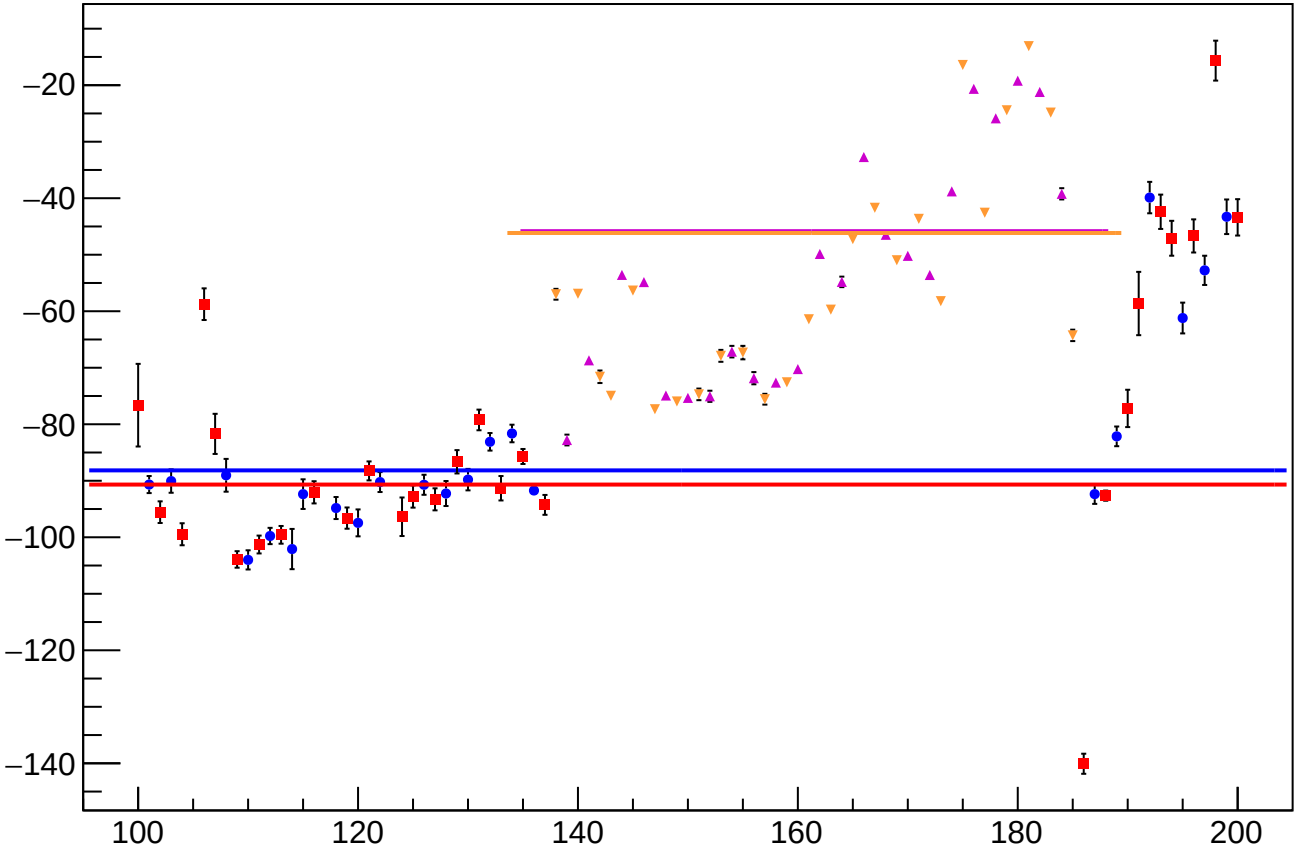
Right: -4.266+/-0.270 χ^2/NDF: 1170.8/49

In: 2.859+/-0.109 χ^2/NDF:5529.4/44

Out: 3.201+/-0.107 χ^2/NDF:7675.7/52

All: 3.033+/-0.076 χ^2/NDF: 13210.2/97

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -88.163+/-0.385 χ^2/NDF: 1072.7/21

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

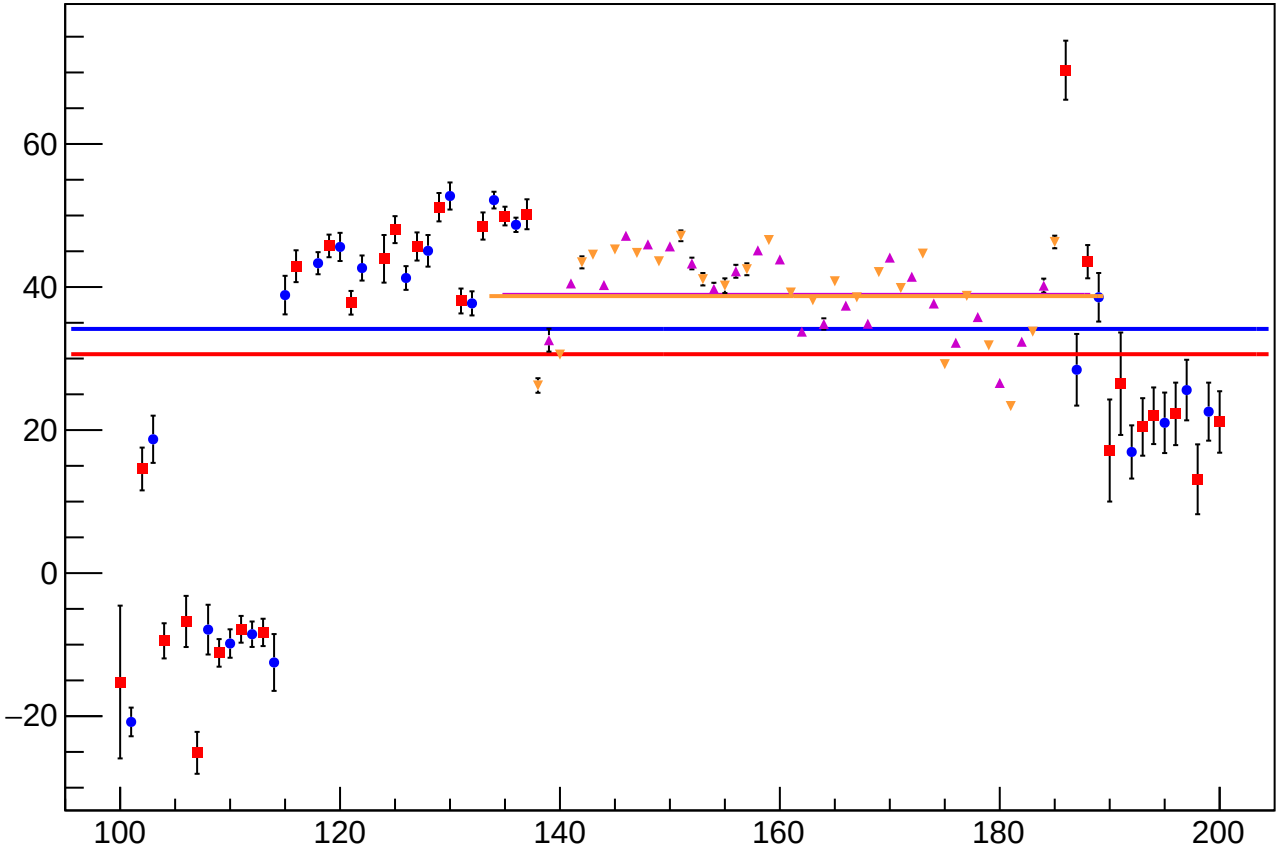
Right: -89.474+/-0.266 χ^2/NDF: 3671.7/49

In: -51.155+/-0.137 χ^2/NDF:29564.1/44

Out: -51.942+/-0.133 χ^2/NDF:36741.1/52

All: -51.559+/-0.095 χ^2/NDF: 66322.3/97

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.143+/-0.427 χ^2/NDF: 2857.1/21

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

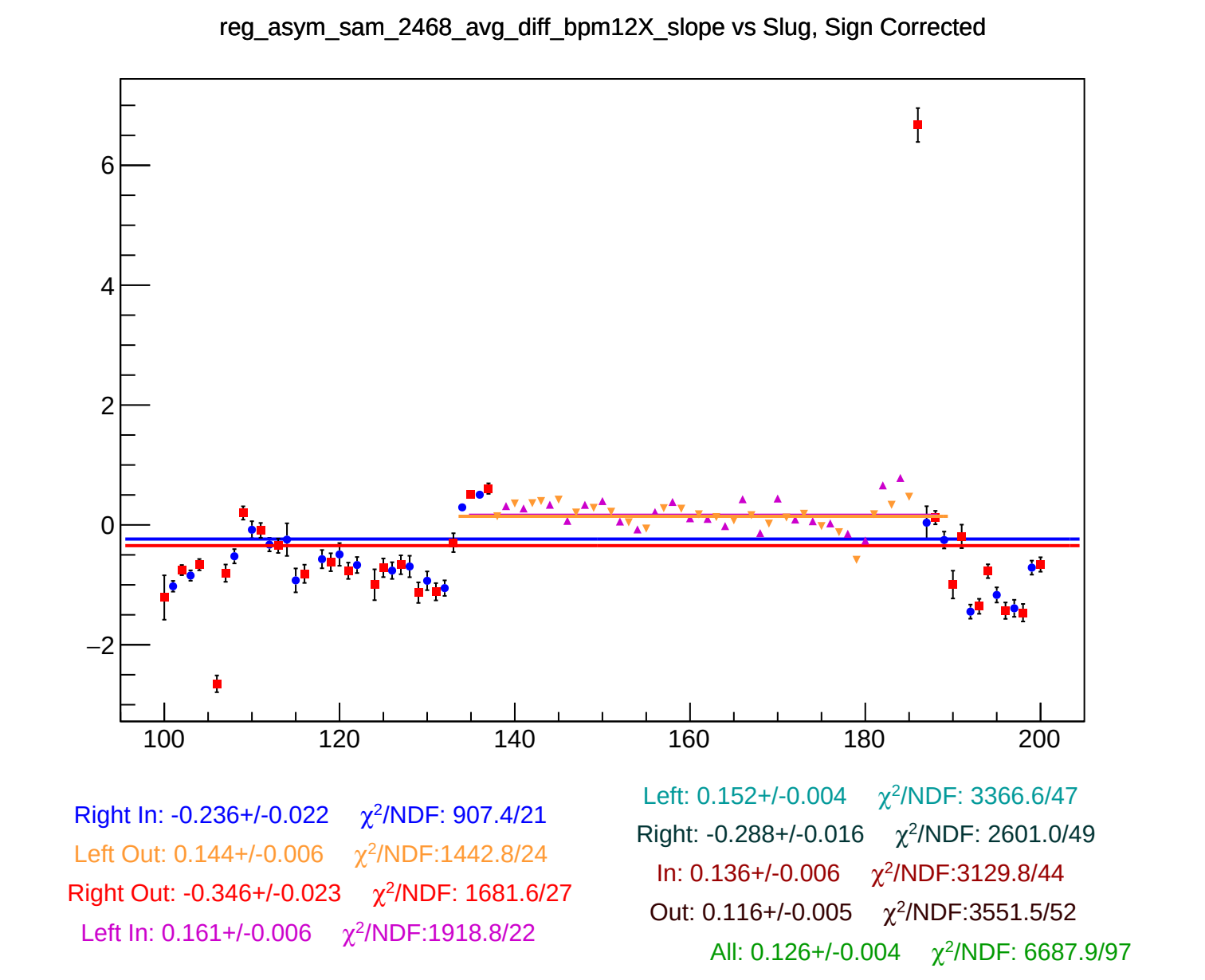
Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

Right: 32.435+/-0.307 χ^2/NDF: 5961.8/49

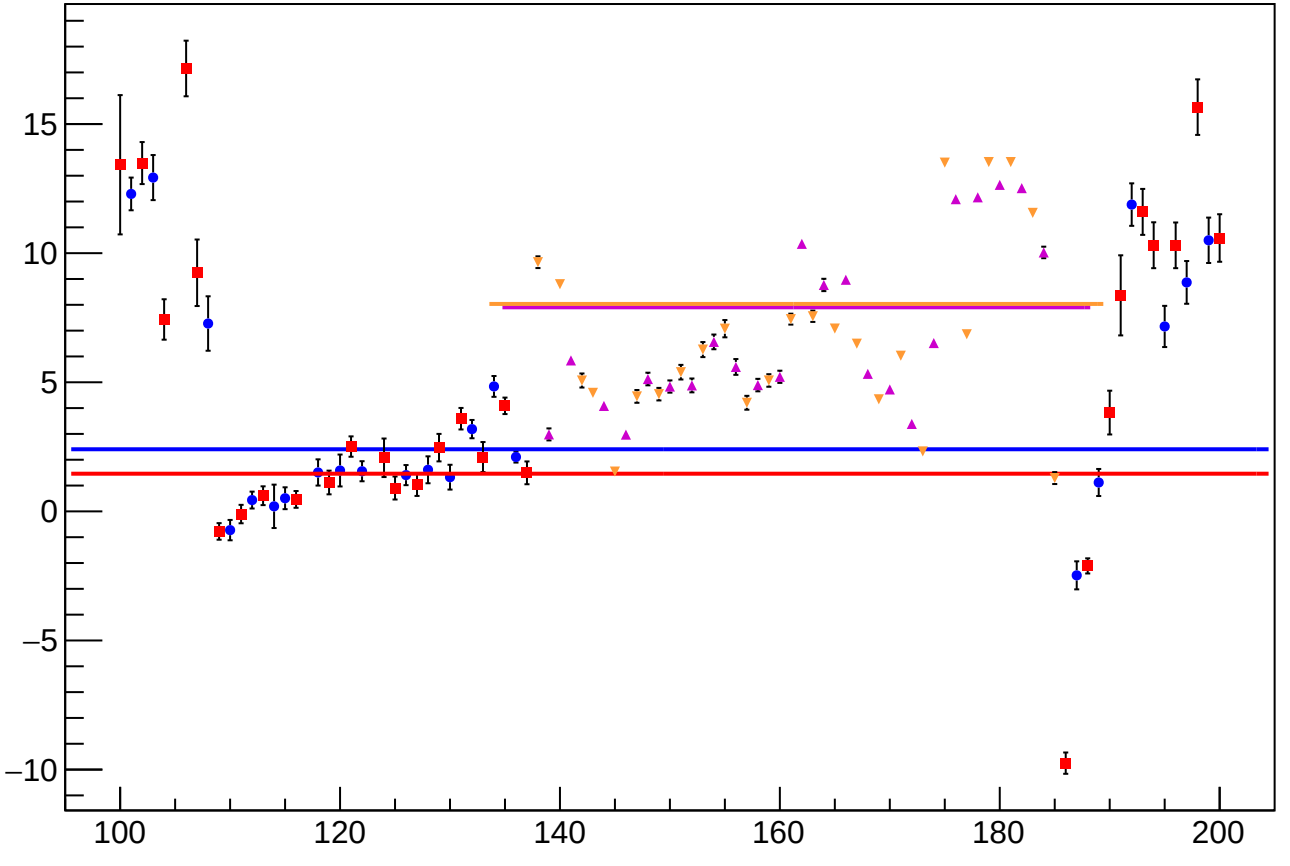
In: 38.515+/-0.122 χ^2/NDF:4943.1/44

Out: 38.131+/-0.120 χ^2/NDF:6167.2/52

All: 38.319+/-0.086 χ^2/NDF: 11115.3/97


reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.236+/-0.022 χ²/NDF: 907.4/21
Left Out: 0.144+/-0.006 χ²/NDF:1442.8/24
Right Out: -0.346+/-0.023 χ²/NDF: 1681.6/27
Left In: 0.161+/-0.006 χ²/NDF:1918.8/22
Left: 0.152+/-0.004 χ²/NDF: 3366.6/47
Right: -0.288+/-0.016 χ²/NDF: 2601.0/49
In: 0.136+/-0.006 χ²/NDF:3129.8/44
Out: 0.116+/-0.005 χ²/NDF:3551.5/52
All: 0.126+/-0.004 χ²/NDF: 6687.9/97

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.405+/-0.098 χ^2/NDF: 1004.5/21

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

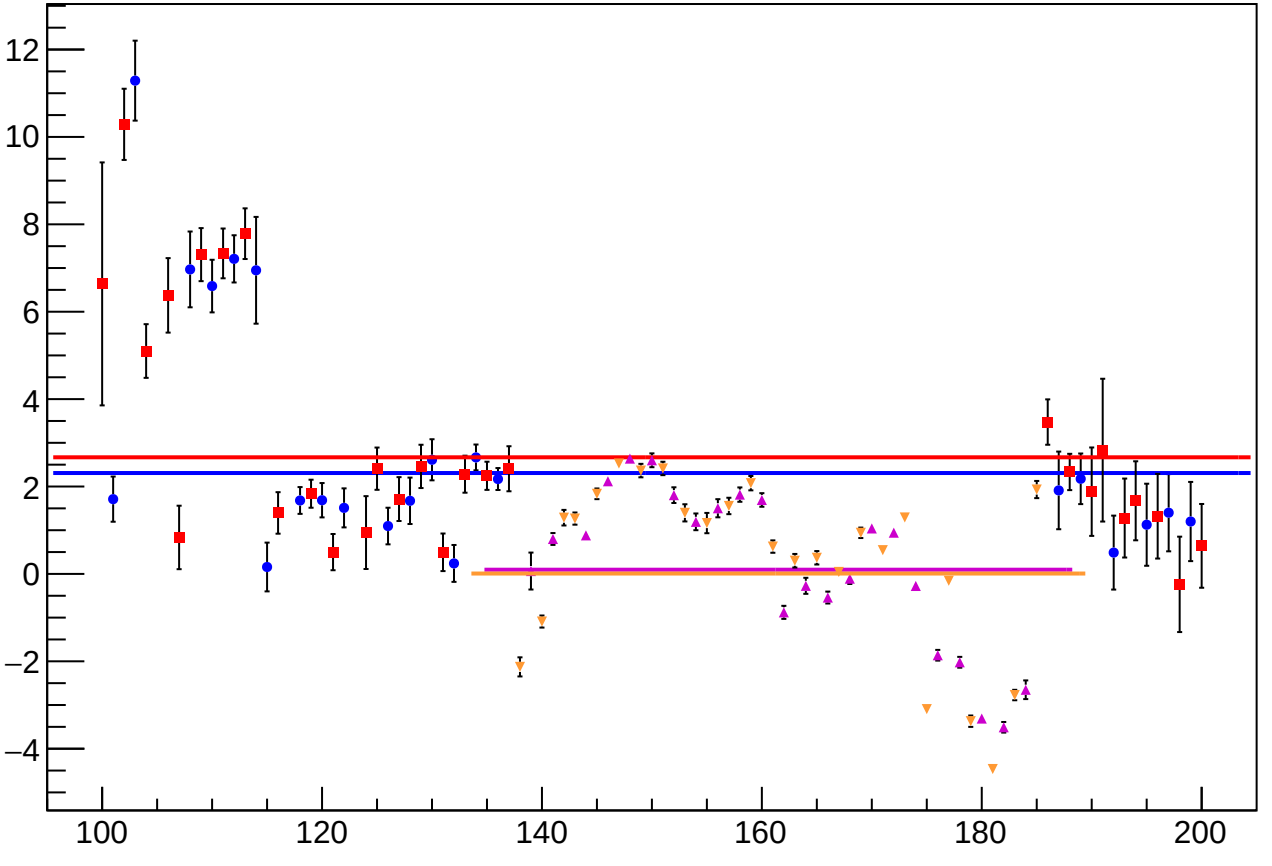
Right: 1.907+/-0.068 χ^2/NDF: 3306.5/49

In: 7.259+/-0.034 χ^2/NDF:13785.7/44

Out: 7.233+/-0.033 χ^2/NDF:20544.7/52

All: 7.245+/-0.023 χ^2/NDF: 34330.7/97

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.309+/-0.103 χ^2/NDF: 343.6/21

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

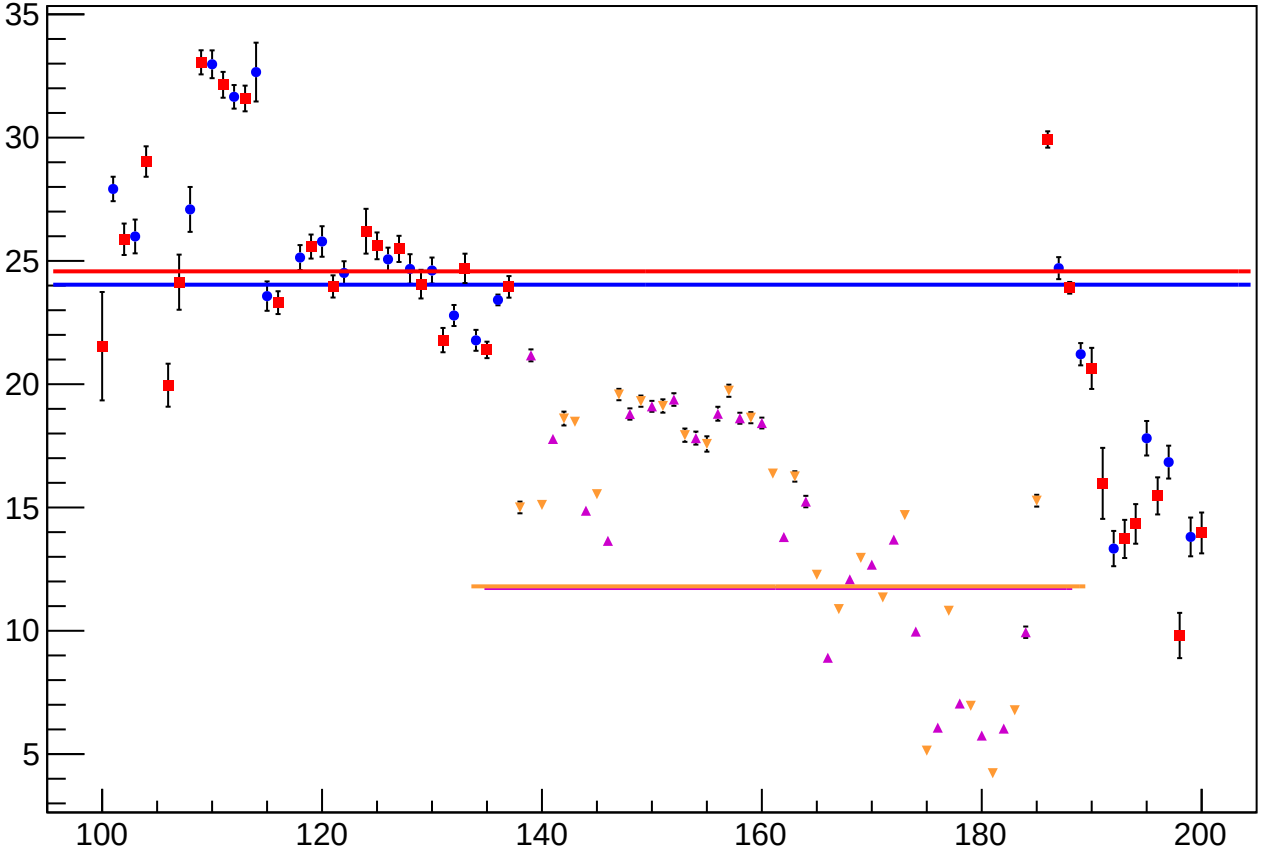
Right: 2.485+/-0.073 χ^2/NDF: 782.2/49

In: 0.250+/-0.027 χ^2/NDF:5207.2/44

Out: 0.179+/-0.027 χ^2/NDF:6794.8/52

All: 0.214+/-0.019 χ^2/NDF: 12005.5/97

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.035+/-0.105 χ^2/NDF: 1334.4/21

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

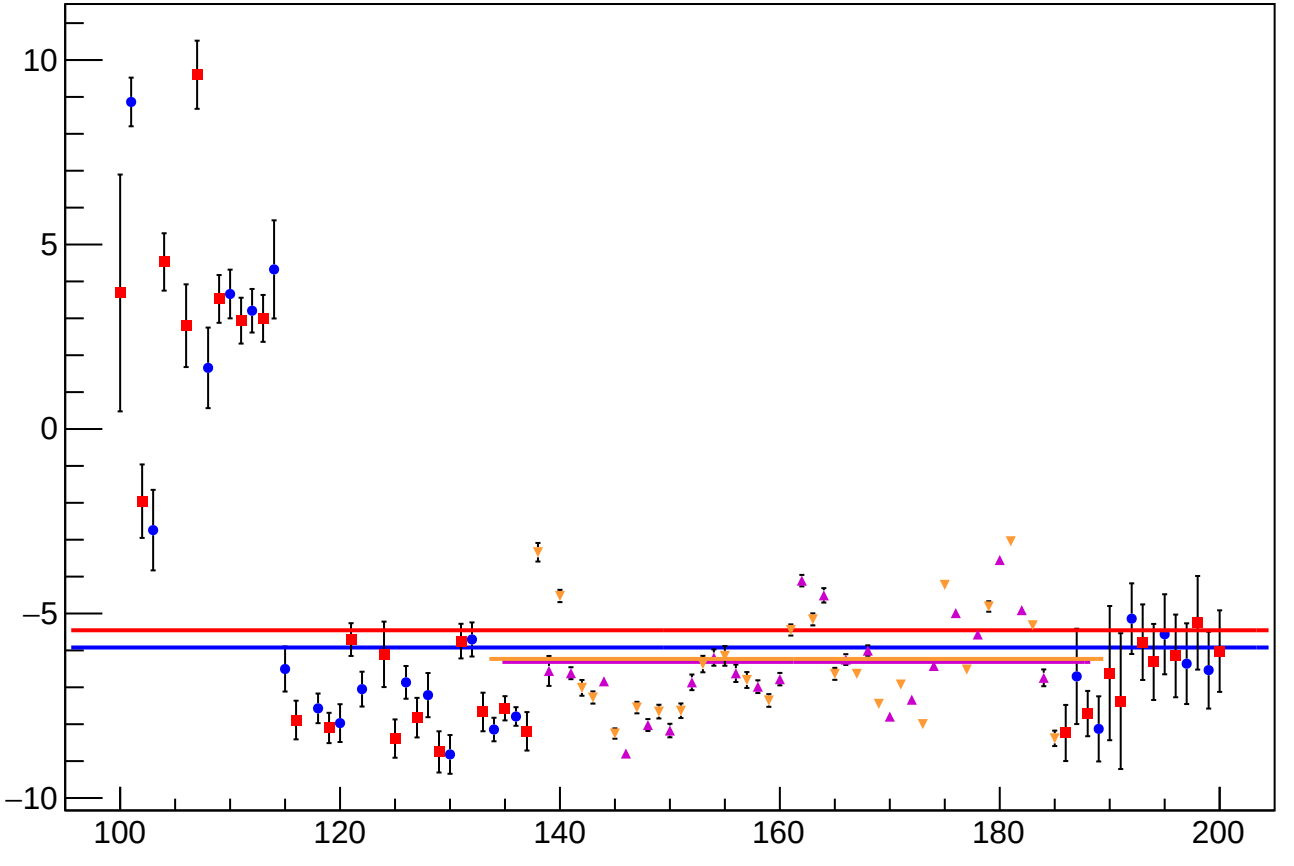
Right: 24.322+/-0.072 χ^2/NDF: 3529.7/49

In: 13.010+/-0.034 χ^2/NDF:31562.8/44

Out: 13.204+/-0.033 χ^2/NDF:38413.4/52

All: 13.110+/-0.024 χ^2/NDF: 69993.1/97

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.921+/-0.116 χ^2/NDF: 1259.4/21

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

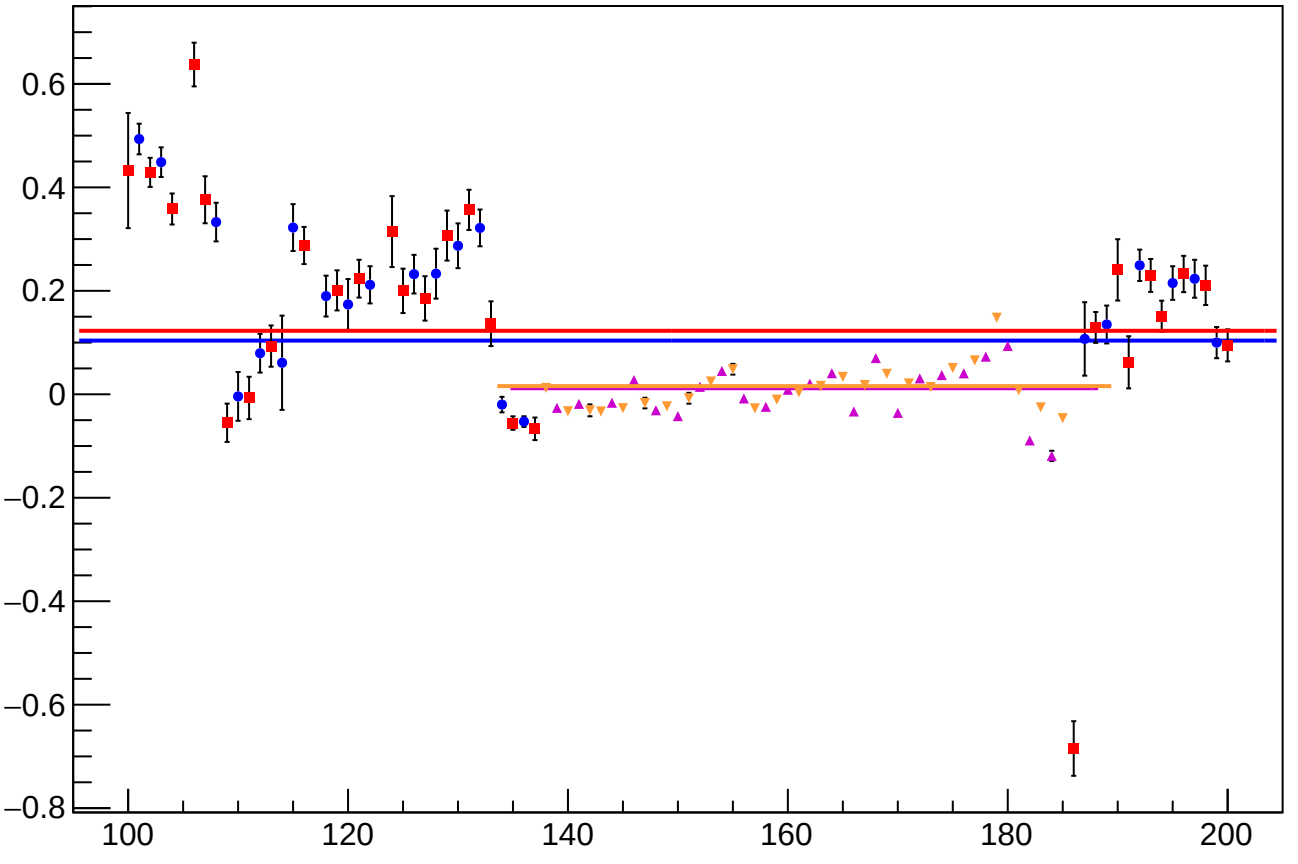
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.697+/-0.084 χ^2/NDF: 2592.2/49

In: -6.285+/-0.030 χ^2/NDF:3300.1/44

Out: -6.183+/-0.030 χ^2/NDF:3813.9/52

All: -6.233+/-0.021 χ^2/NDF: 7119.8/97



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/21

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

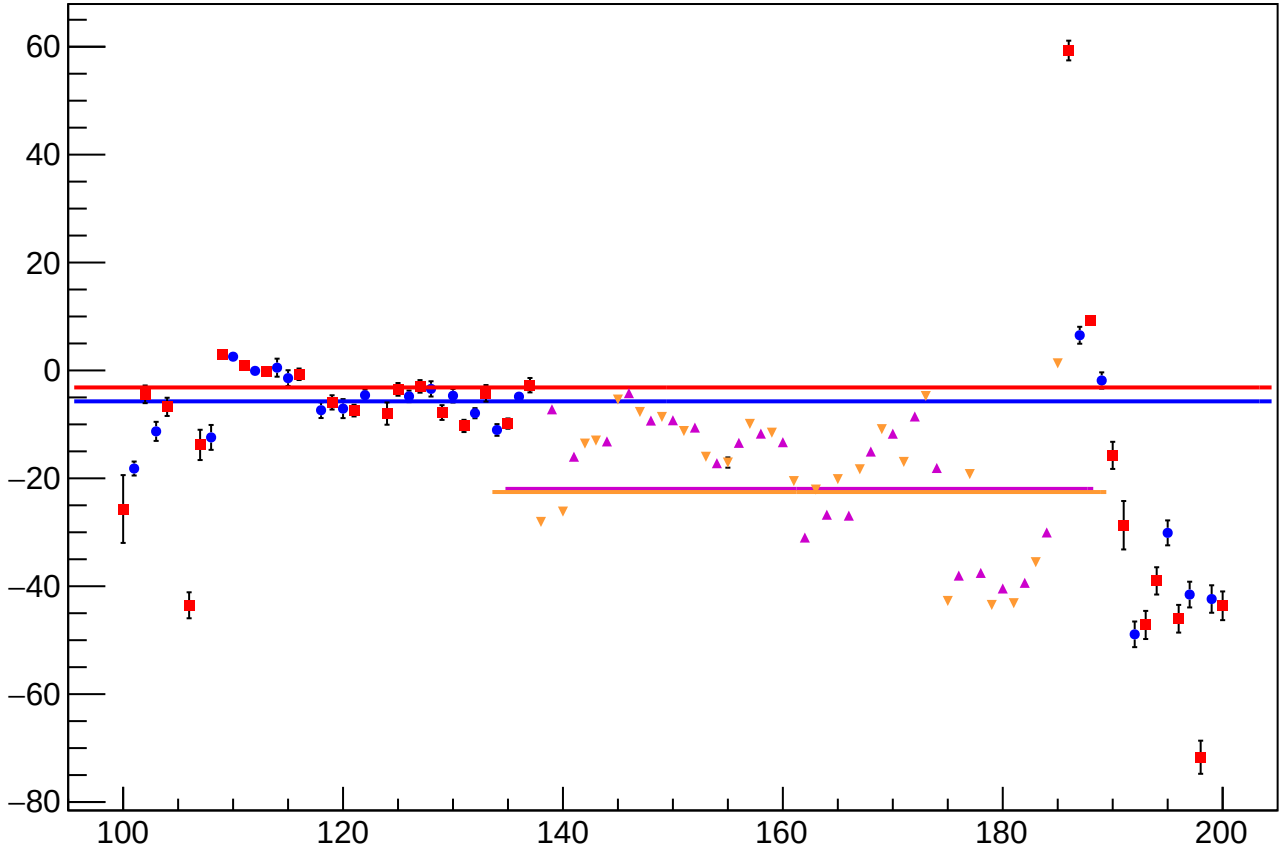
Right: 0.113+/-0.004 χ^2/NDF: 1855.1/49

In: 0.016+/-0.001 χ^2/NDF:2341.6/44

Out: 0.021+/-0.001 χ^2/NDF:2240.9/52

All: 0.019+/-0.001 χ^2/NDF: 4587.4/97

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.729+/-0.255 χ^2/NDF: 1295.2/21

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

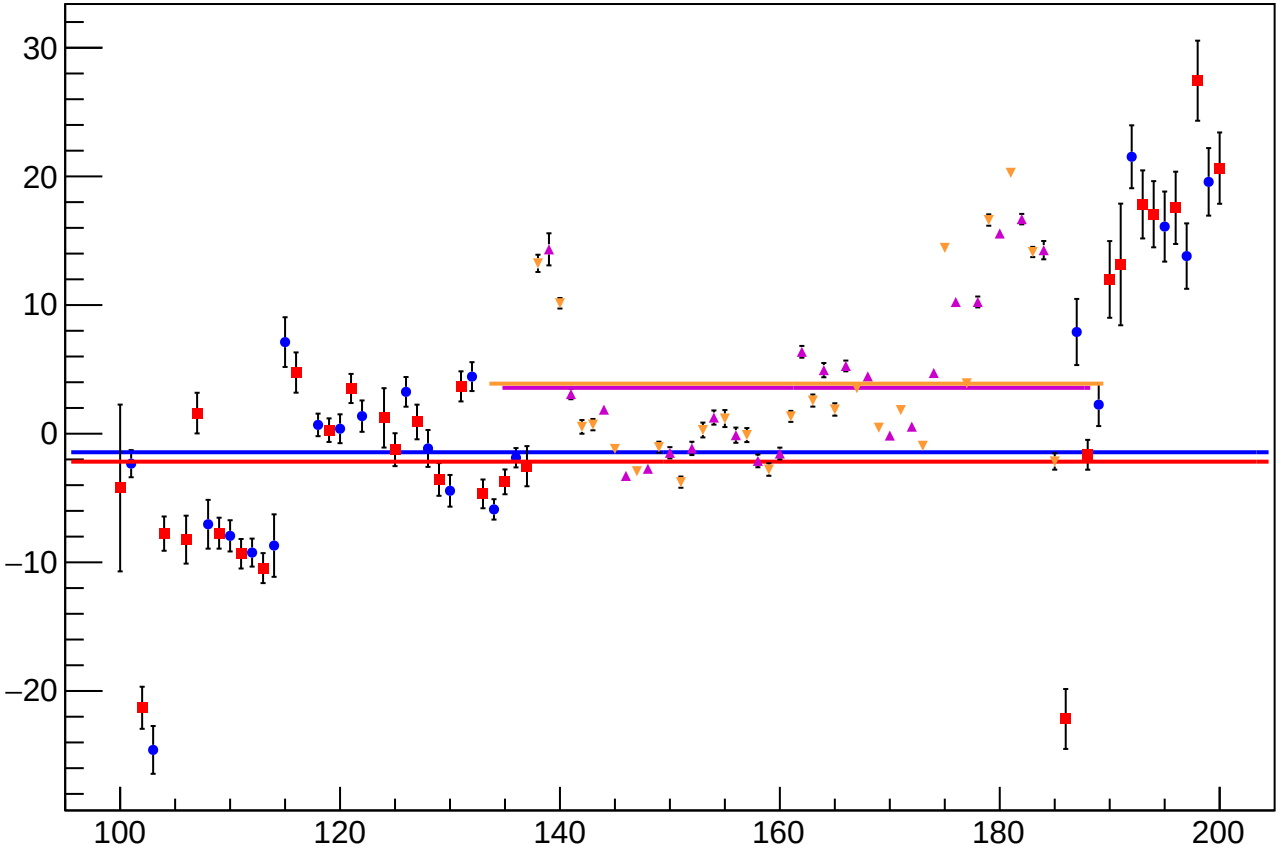
Right: -4.363+/-0.175 χ^2/NDF: 4882.5/49

In: -19.359+/-0.102 χ^2/NDF:17291.1/44

Out: -19.263+/-0.099 χ^2/NDF:25505.8/52

All: -19.310+/-0.071 χ^2/NDF: 42797.4/97

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.442+/-0.274 χ^2/NDF: 616.8/21

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

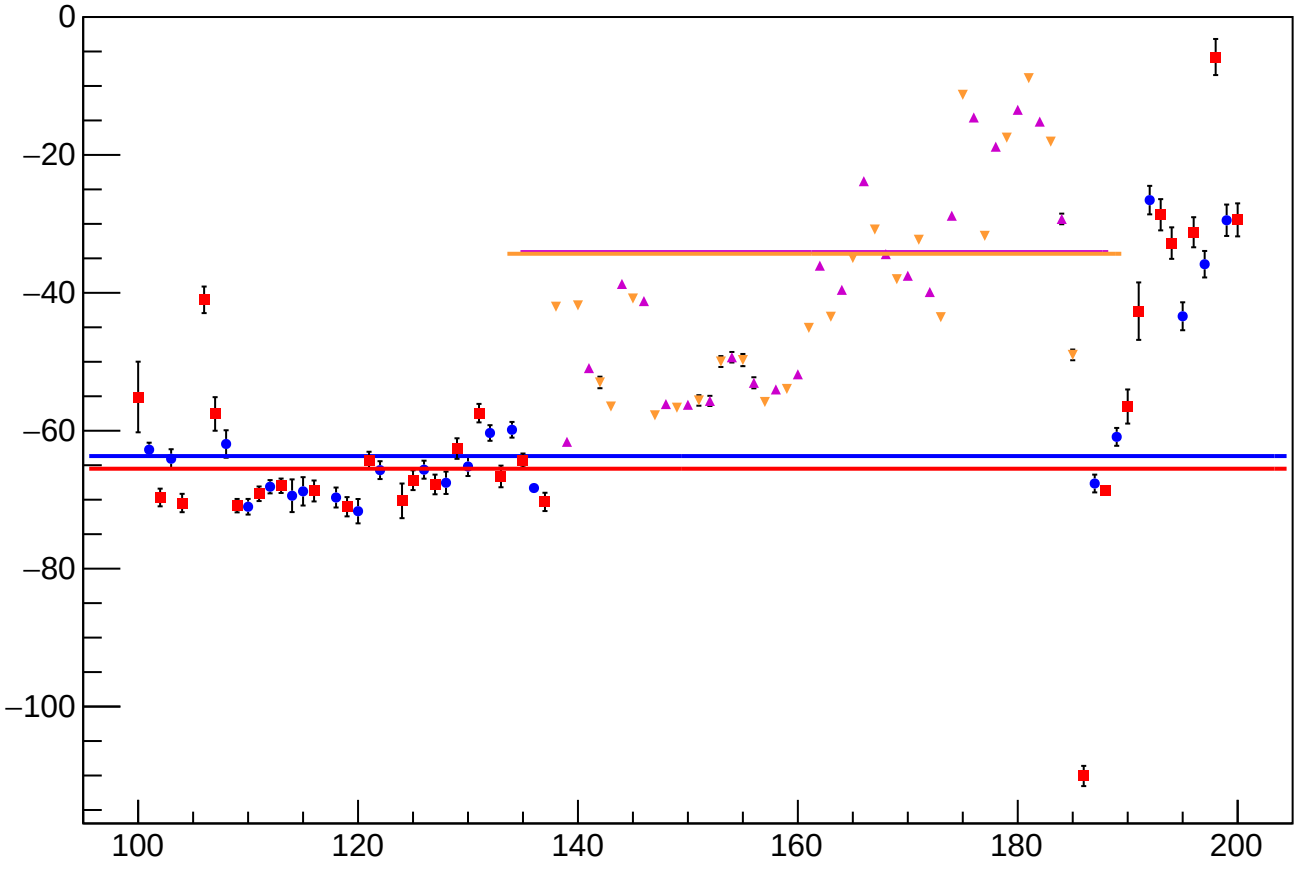
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.802+/-0.195 χ^2/NDF: 1423.4/49

In: 3.113+/-0.082 χ^2/NDF:5661.0/44

Out: 3.381+/-0.081 χ^2/NDF:7963.2/52

All: 3.250+/-0.058 χ^2/NDF: 13629.6/97



Right In: -63.673+/-0.278 χ^2/NDF: 1068.7/21

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

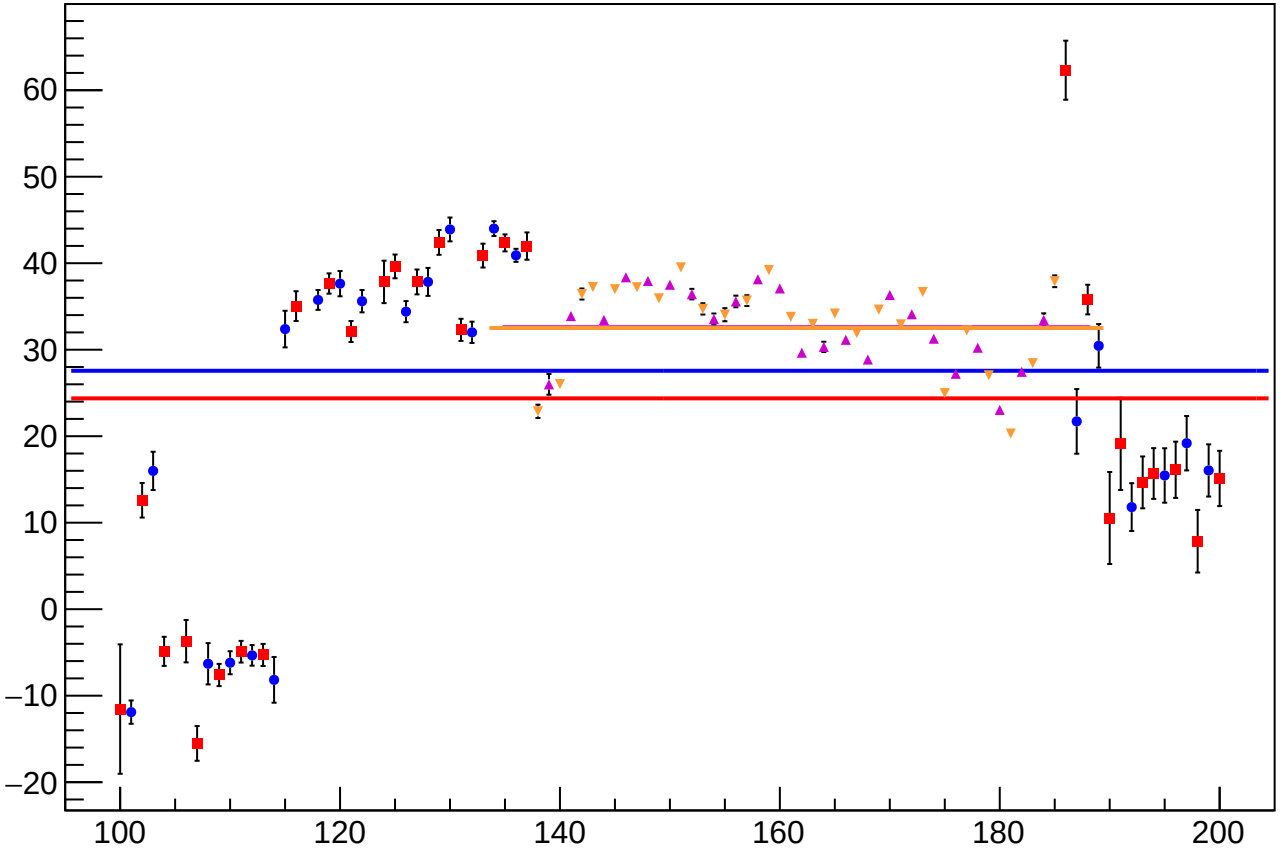
Right: -64.631+/-0.192 χ^2/NDF: 3878.3/49

In: -38.155+/-0.103 χ^2/NDF:28561.3/44

Out: -38.762+/-0.100 χ^2/NDF:35762.5/52

All: -38.467+/-0.072 χ^2/NDF: 64341.6/97

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.564+/-0.309 χ^2/NDF: 3803.4/21

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

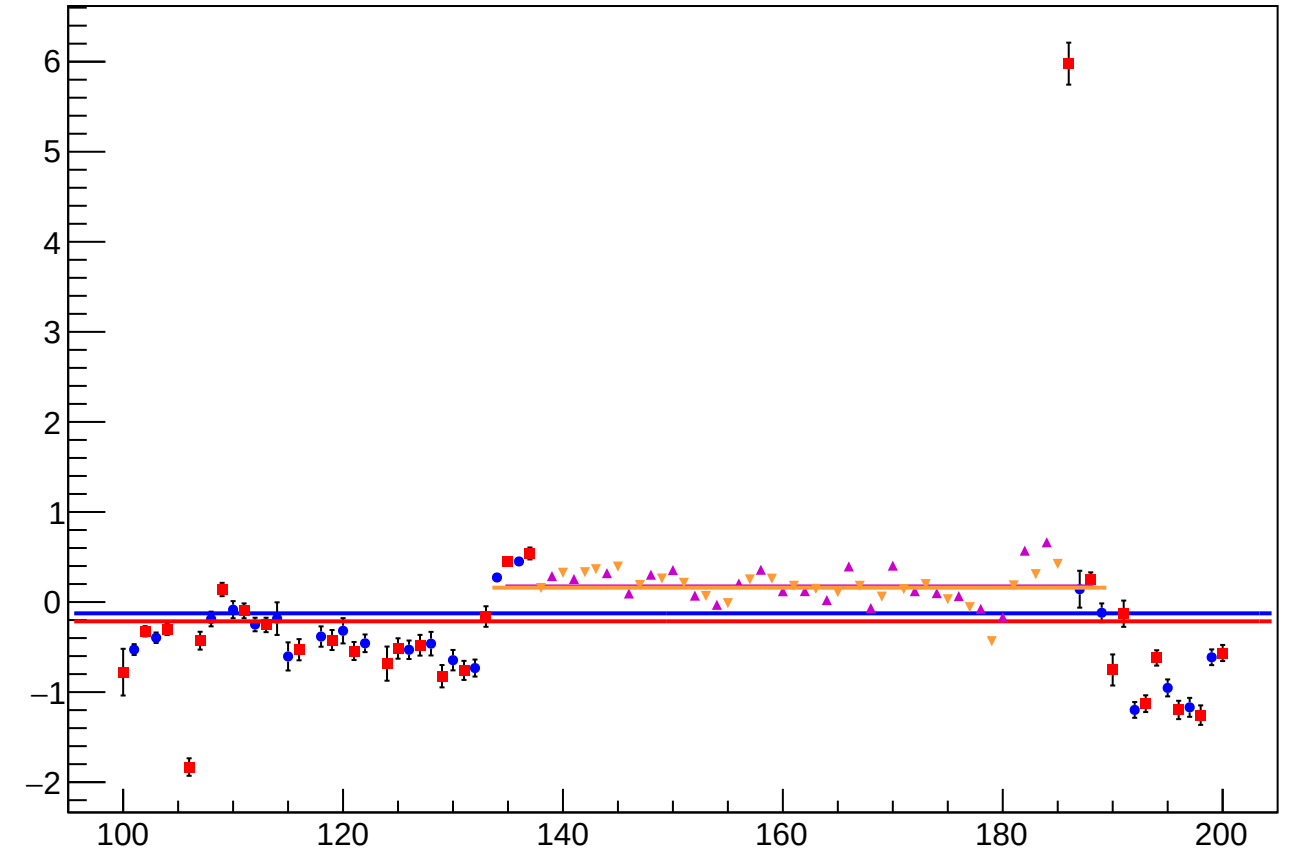
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 26.013+/-0.222 χ^2/NDF: 7927.5/49

In: 32.150+/-0.092 χ^2/NDF:6057.3/44

Out: 31.851+/-0.091 χ^2/NDF:7611.2/52

All: 31.998+/-0.065 χ^2/NDF: 13673.9/97



Right In: -0.125+/-0.016 χ^2/NDF: 990.4/21

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

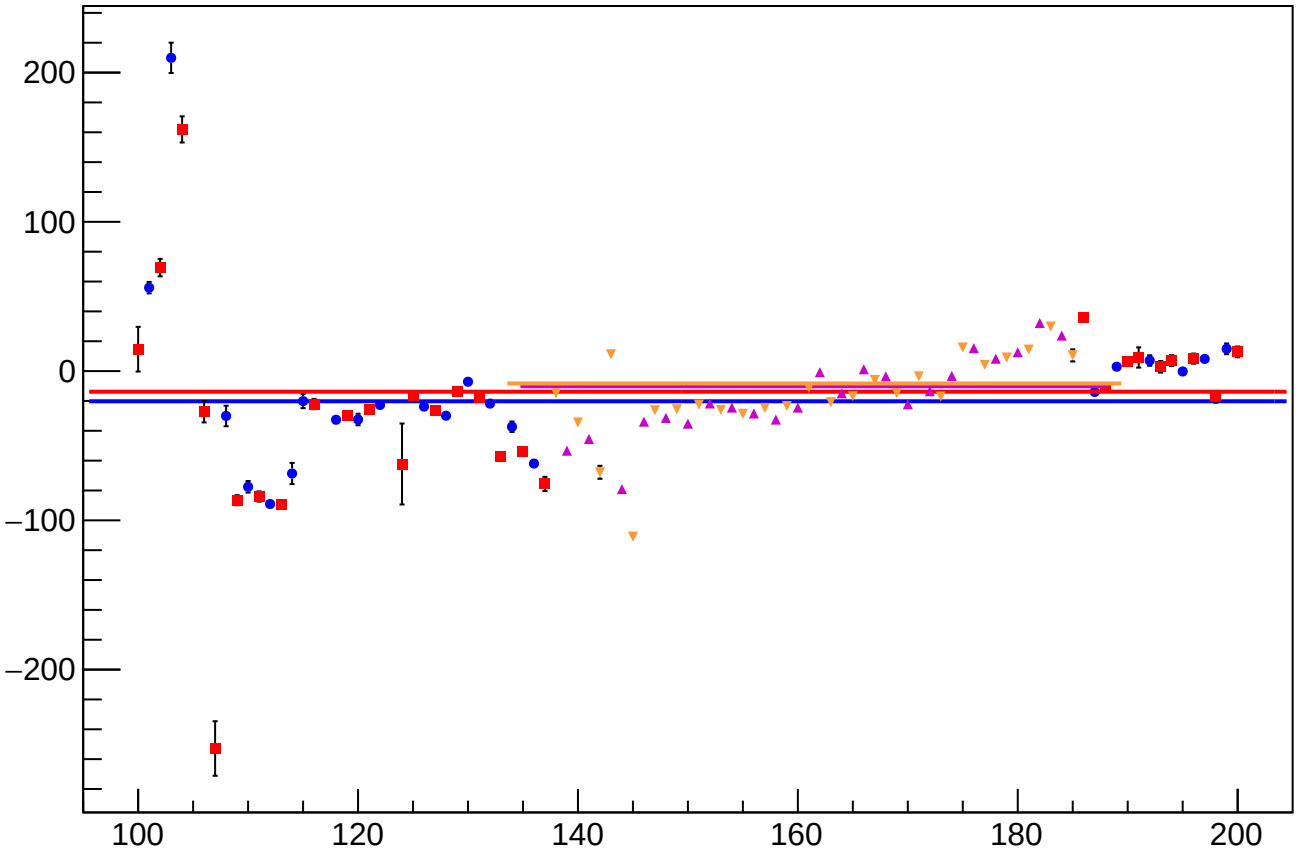
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.168+/-0.012 χ^2/NDF: 2908.6/49

In: 0.153+/-0.004 χ^2/NDF:3445.1/44

Out: 0.137+/-0.004 χ^2/NDF:3992.0/52

All: 0.145+/-0.003 χ^2/NDF: 7444.5/97



Right In: -20.232+/-0.667 χ^2/NDF: 2489.1/21

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

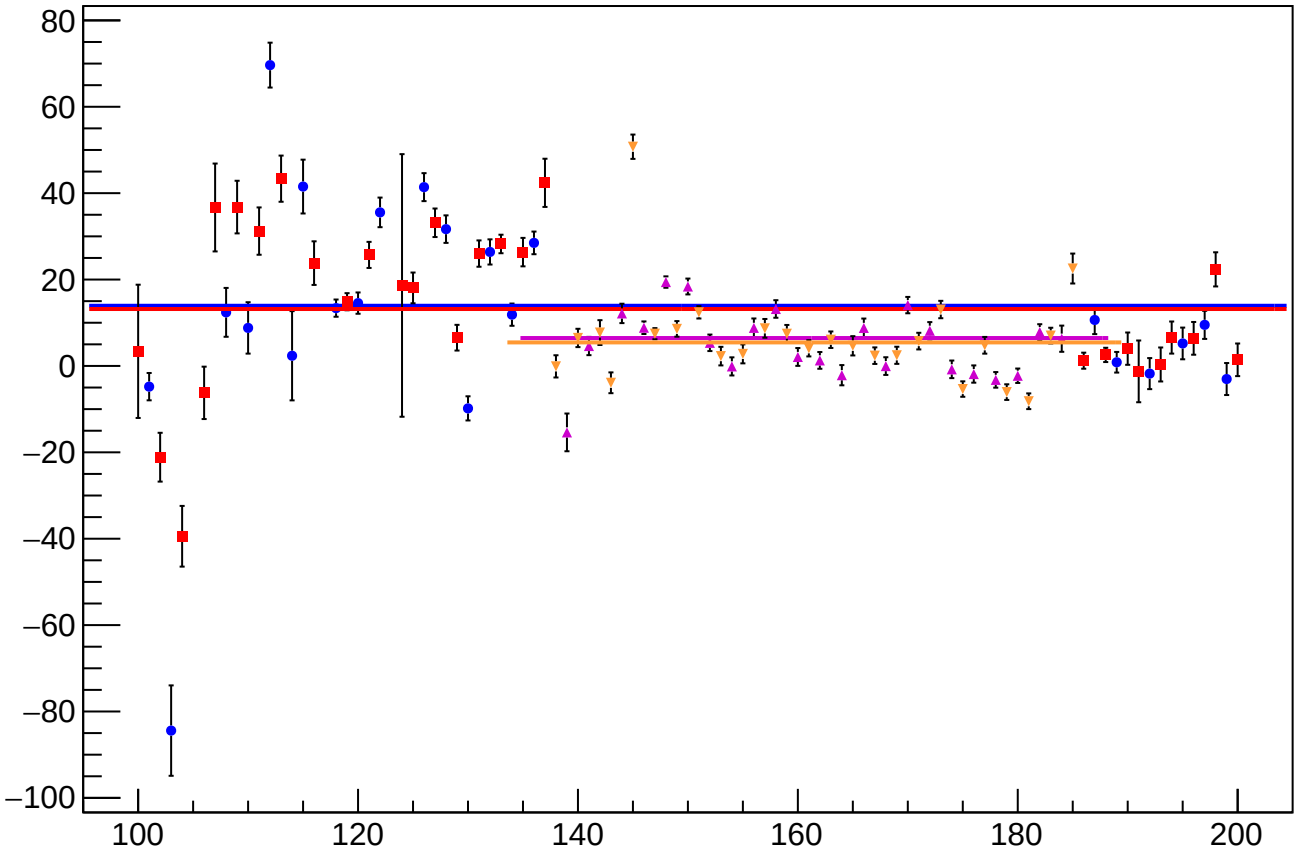
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -16.573+/-0.437 χ^2/NDF: 6641.6/49

In: -14.037+/-0.413 χ^2/NDF:5147.3/44

Out: -10.731+/-0.384 χ^2/NDF:6710.4/52

All: -12.264+/-0.281 χ^2/NDF: 11892.0/97



Right In: 13.931+/-0.696 χ^2/NDF: 603.4/21

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

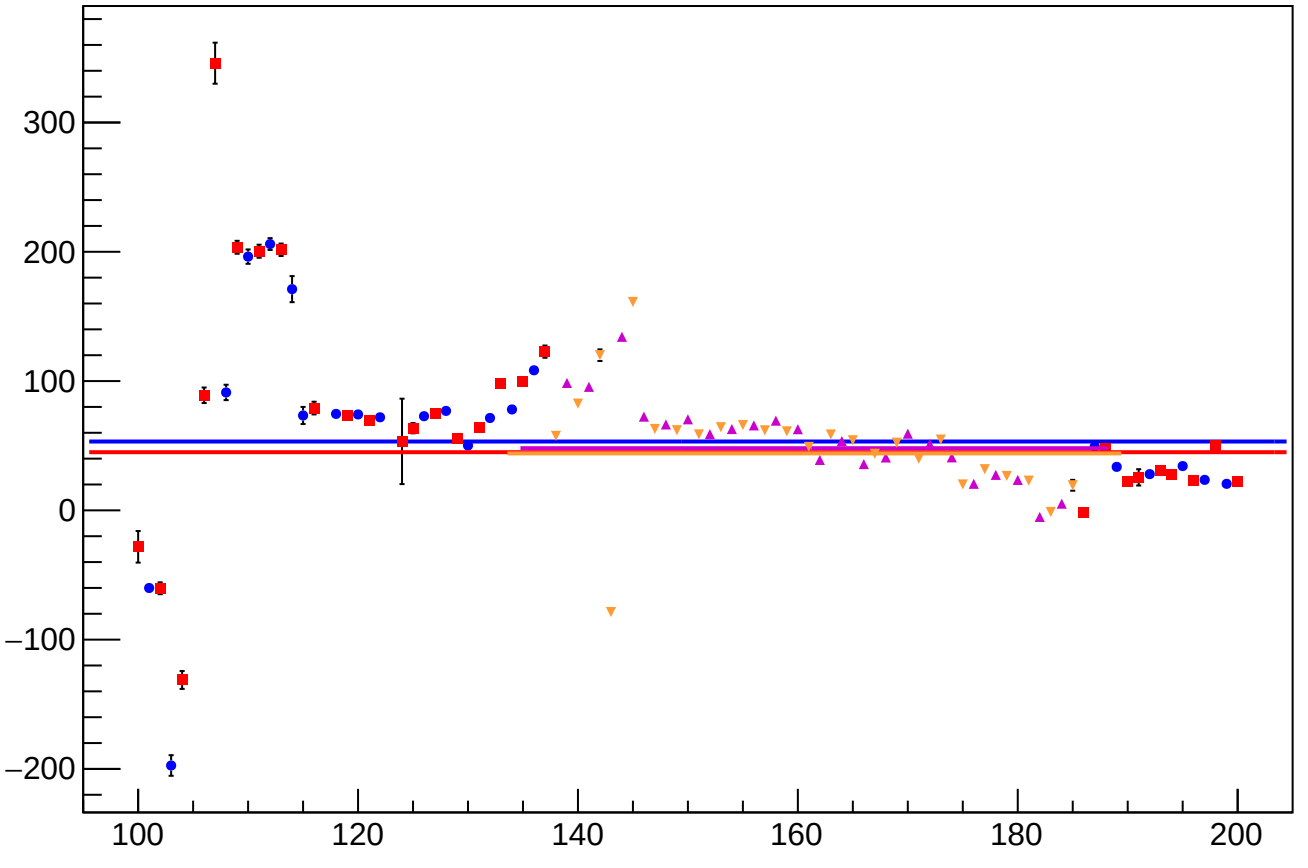
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 13.526+/-0.473 χ^2/NDF: 1071.9/49

In: 8.372+/-0.352 χ^2/NDF:1025.1/44

Out: 7.553+/-0.336 χ^2/NDF:1066.7/52

All: 7.943+/-0.243 χ^2/NDF: 2094.6/97



Right In: 53.247+/-0.654 χ^2/NDF: 5695.0/21

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

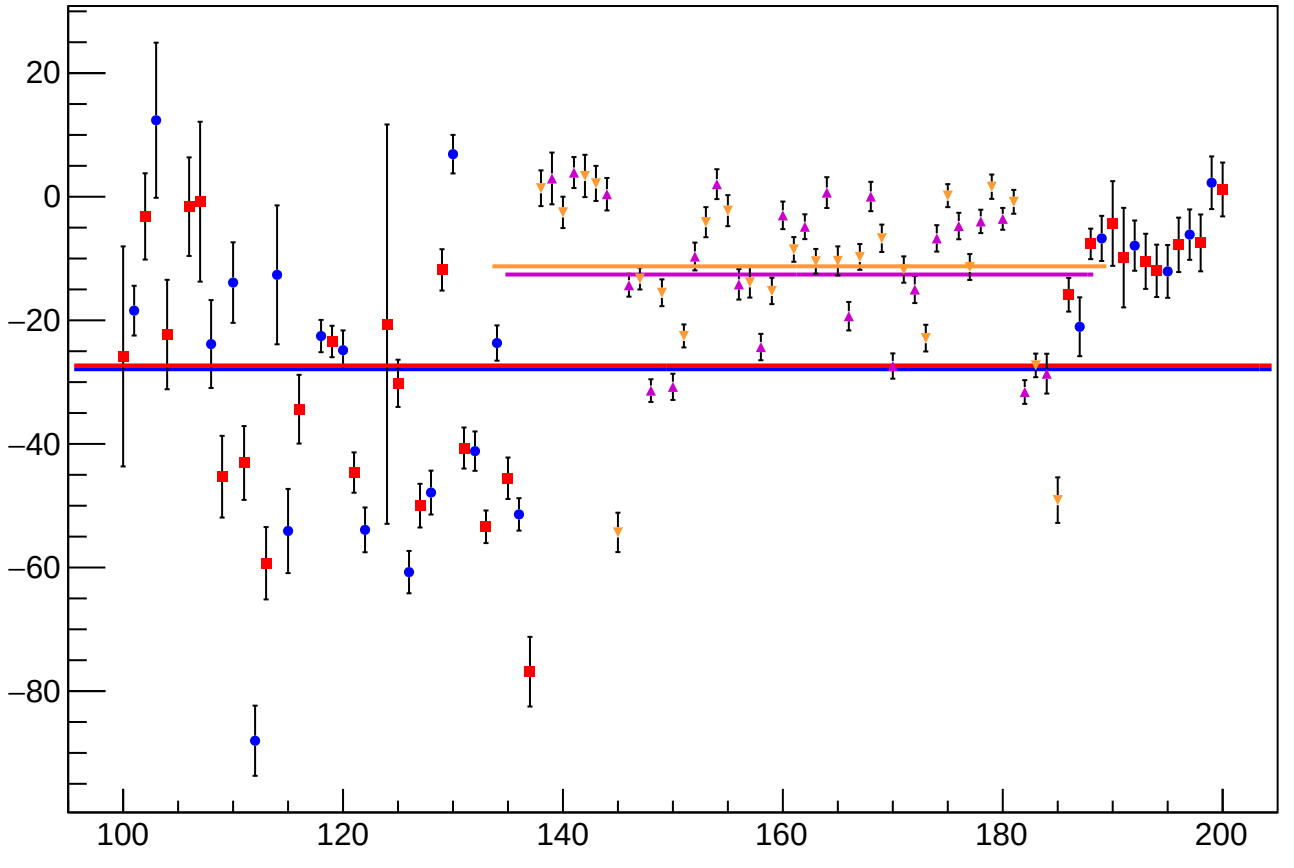
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 48.330+/-0.416 χ^2/NDF: 13364.5/49

In: 50.086+/-0.408 χ^2/NDF:9109.7/44

Out: 44.486+/-0.370 χ^2/NDF:12139.8/52

All: 47.020+/-0.274 χ^2/NDF: 21352.9/97



Right In: -27.915+/-0.823 χ^2/NDF: 706.3/21

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

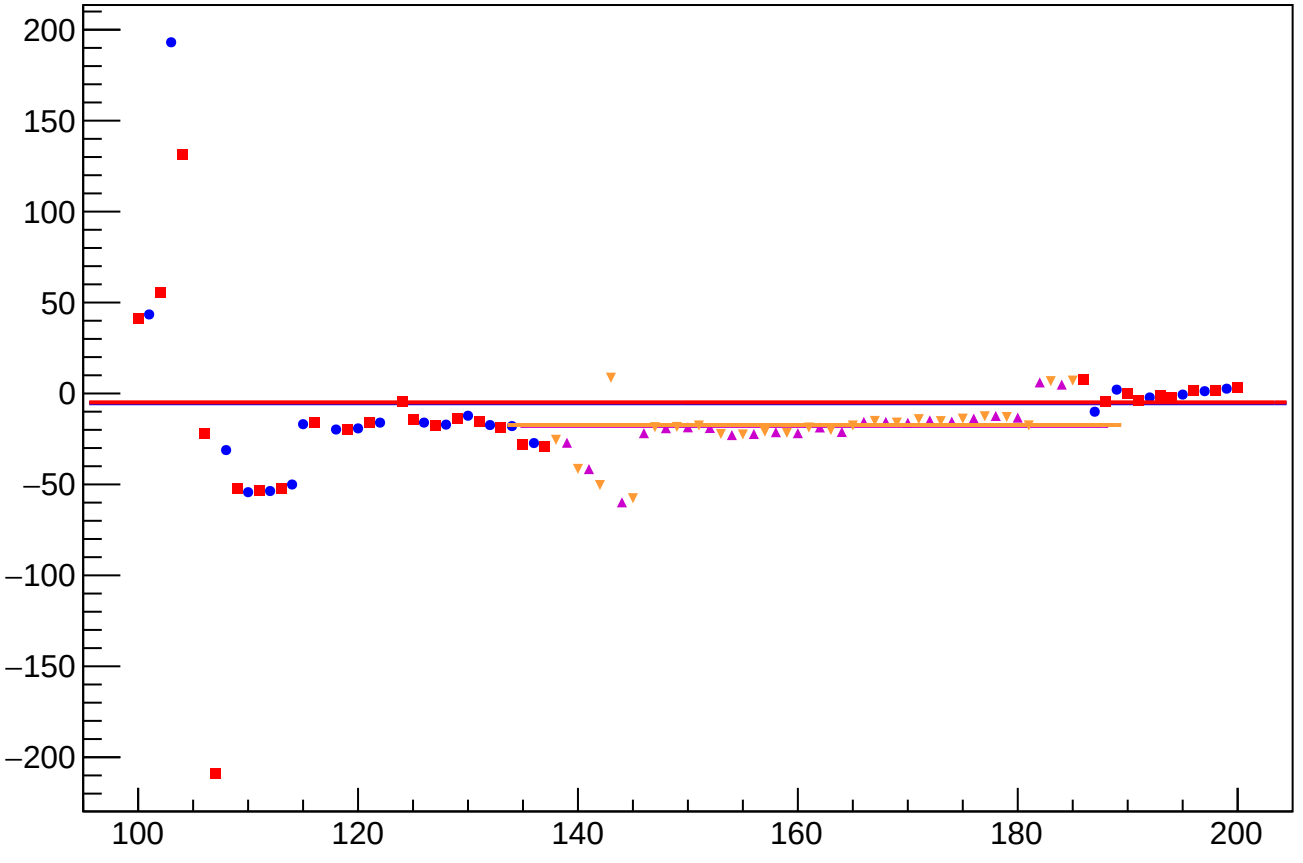
Right: -27.597+/-0.570 χ^2/NDF: 1299.5/49

In: -16.223+/-0.401 χ^2/NDF:1642.7/44

Out: -15.130+/-0.388 χ^2/NDF:1549.9/52

All: -15.658+/-0.279 χ^2/NDF: 3196.4/97

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -5.362+/-0.041 χ^2/NDF: 541064.9/21

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

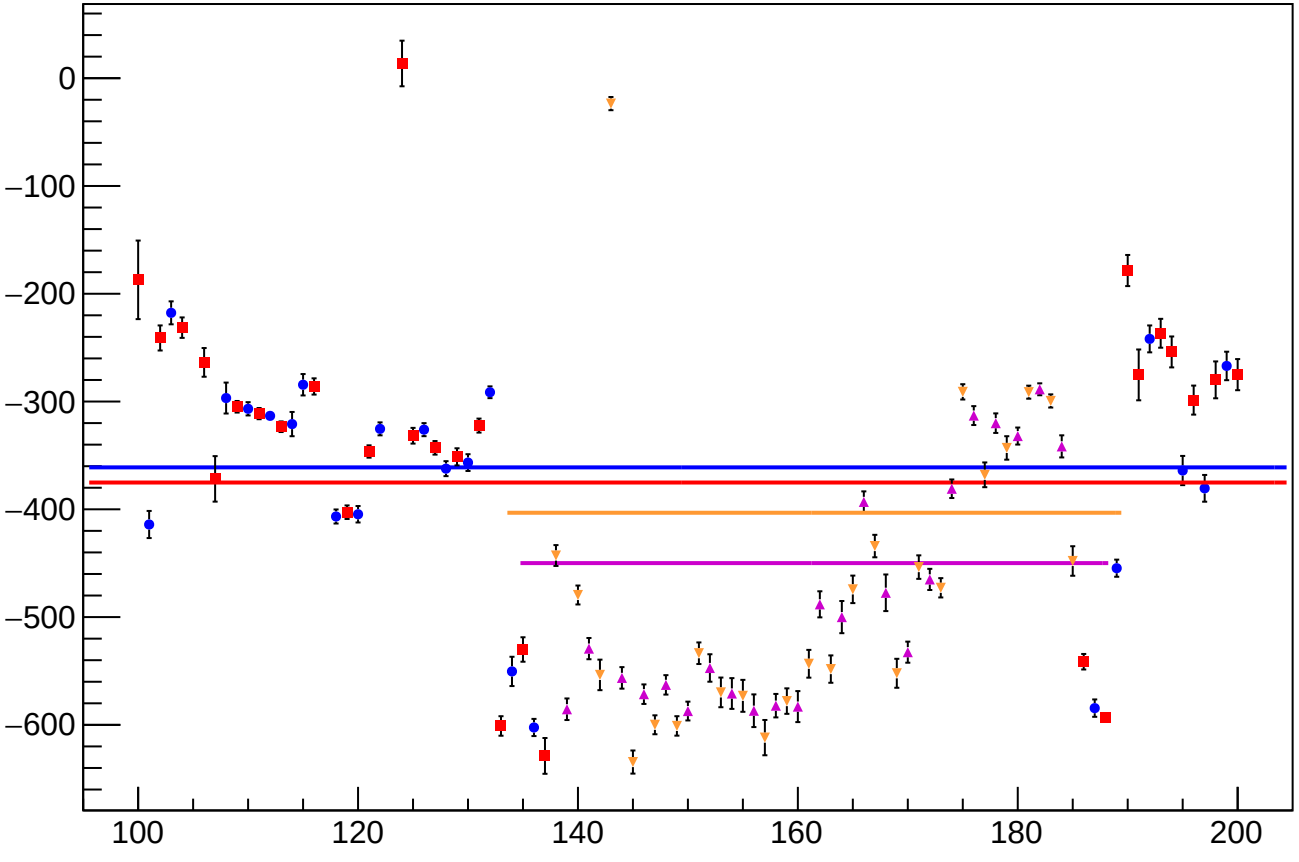
Right: -5.109+/-0.028 χ^2/NDF: 1022727.7/49

In: -15.361+/-0.018 χ^2/NDF:883245.1/44

Out: -14.690+/-0.018 χ^2/NDF:911810.3/52

All: -15.017+/-0.013 χ^2/NDF: 1795753.8/97

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -361.087+/-1.677 χ^2/NDF: 2955.8/21

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

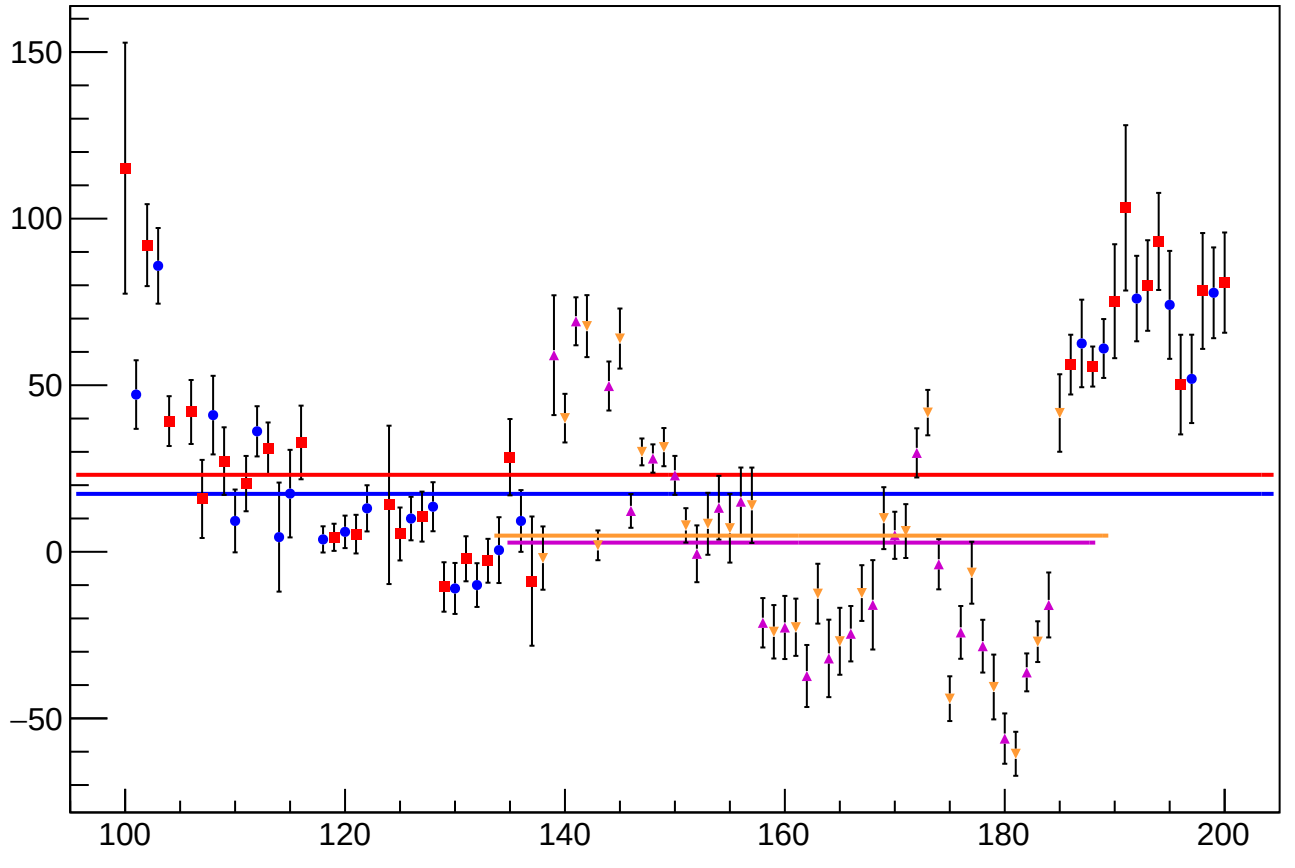
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -368.761+/-1.130 χ^2/NDF: 9185.6/49

In: -396.836+/-1.296 χ^2/NDF:7304.0/44

Out: -385.986+/-1.198 χ^2/NDF:14071.6/52

All: -390.986+/-0.880 χ^2/NDF: 21413.4/97



Right In: 17.388+/-1.730 χ^2/NDF: 206.4/21

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

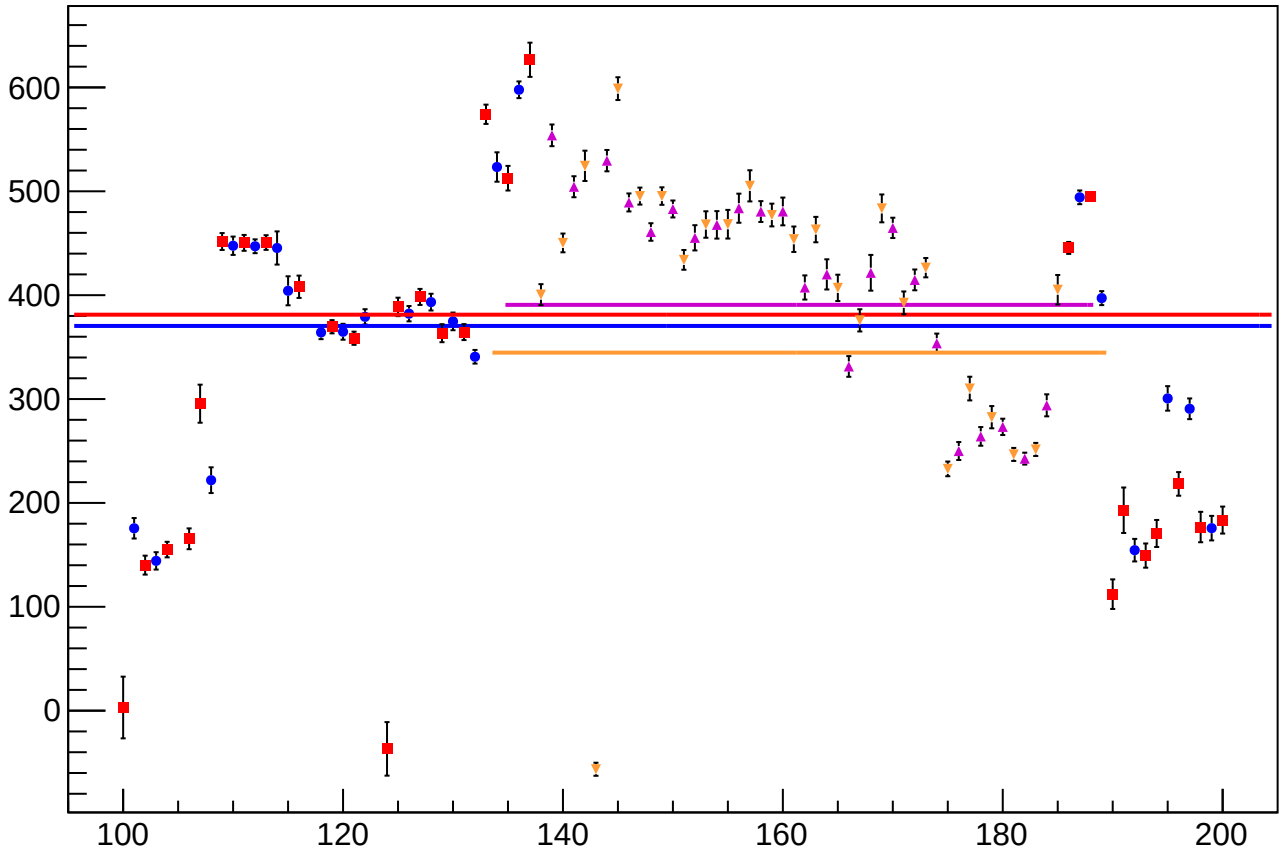
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 20.348+/-1.202 χ^2/NDF: 483.0/49

In: 9.291+/-1.156 χ^2/NDF:645.6/44

Out: 12.681+/-1.094 χ^2/NDF:796.2/52

All: 11.080+/-0.795 χ^2/NDF: 1446.4/97



Right In: 370.385+/-1.814 χ^2/NDF: 3586.0/21

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

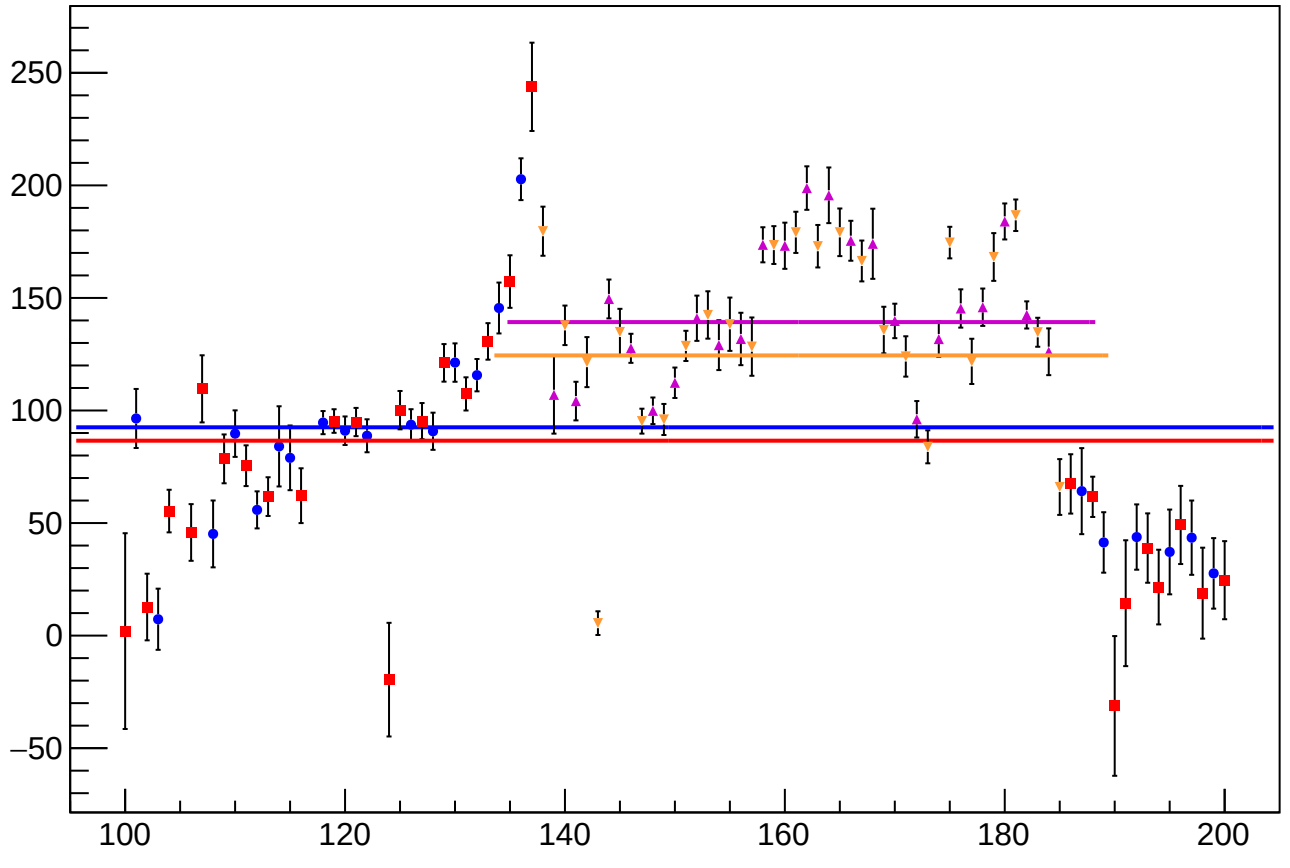
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 376.476+/-1.200 χ^2/NDF: 10131.4/49

In: 379.394+/-1.352 χ^2/NDF:6314.4/44

Out: 366.279+/-1.230 χ^2/NDF:14016.7/52

All: 372.217+/-0.910 χ^2/NDF: 20382.5/97



Right In: 92.532+/-2.036 χ^2/NDF: 318.7/21

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

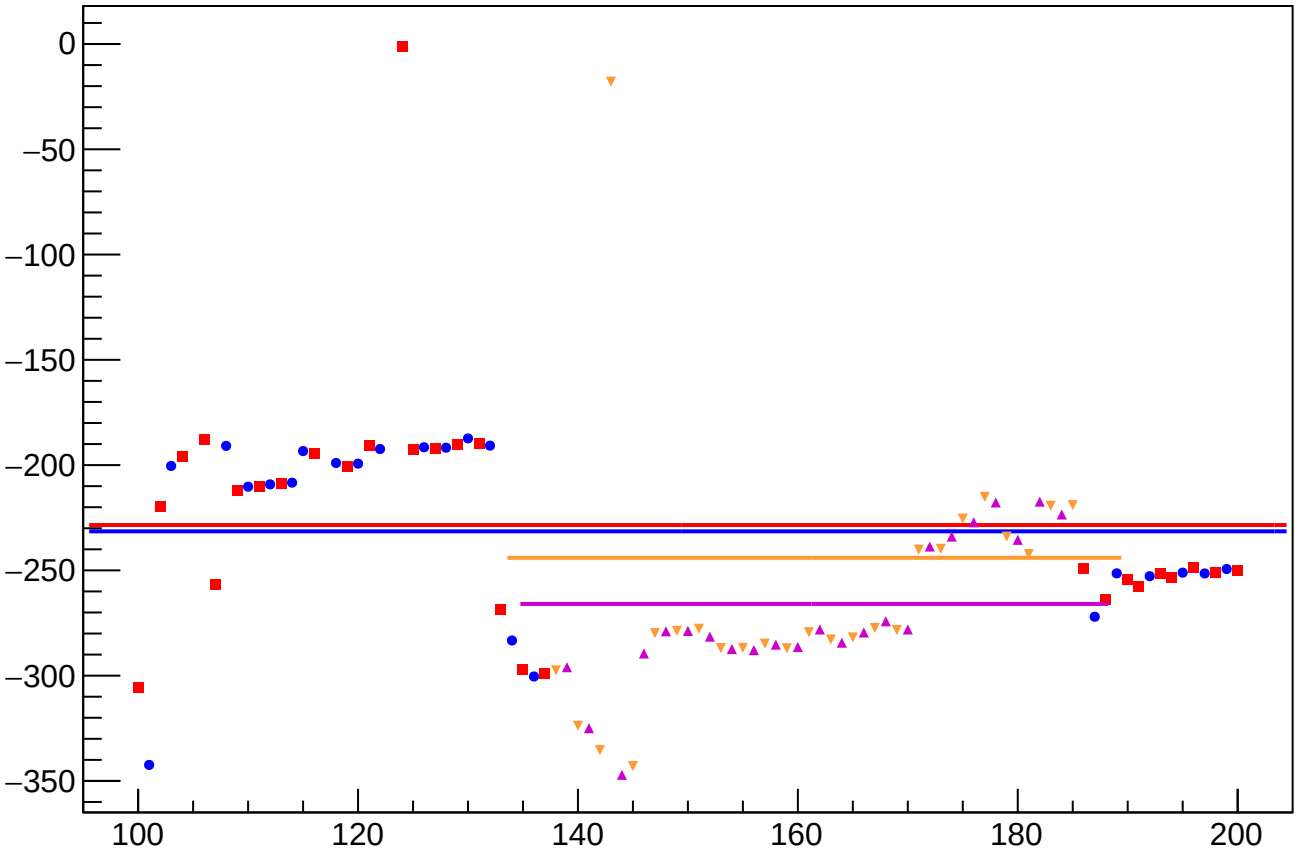
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 89.471+/-1.418 χ^2/NDF: 656.1/49

In: 119.168+/-1.336 χ^2/NDF:879.8/44

Out: 108.772+/-1.272 χ^2/NDF:1485.8/52

All: 113.715+/-0.921 χ^2/NDF: 2397.4/97



Right In: -231.458+/-0.118 χ^2/NDF: 133518.8/21

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

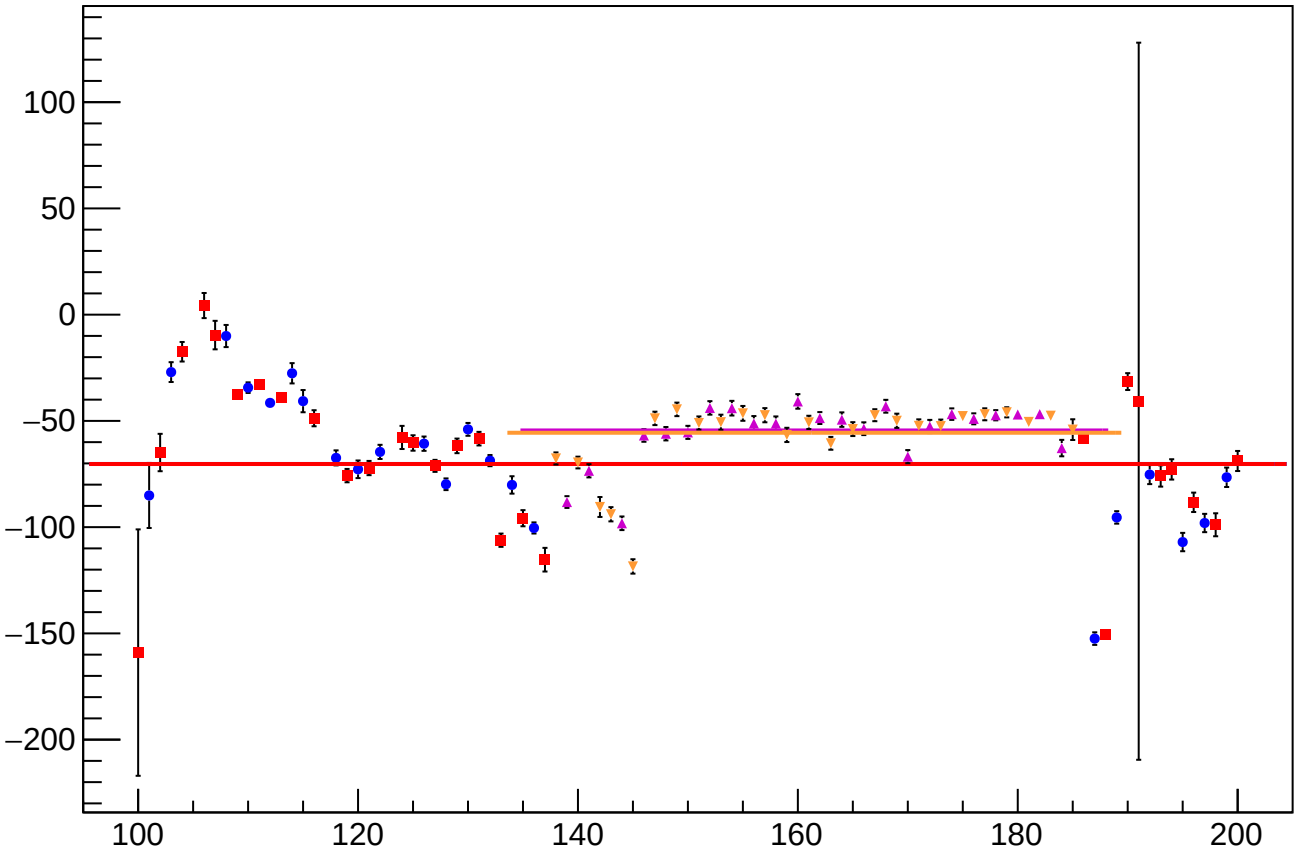
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -229.851+/-0.080 χ^2/NDF: 242803.6/49

In: -254.971+/-0.066 χ^2/NDF:361861.3/44

Out: -238.851+/-0.063 χ^2/NDF:1120350.0/52

All: -246.504+/-0.046 χ^2/NDF: 1513102.9/97



Right In: -70.269+/-0.727 χ^2/NDF: 1874.4/21

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

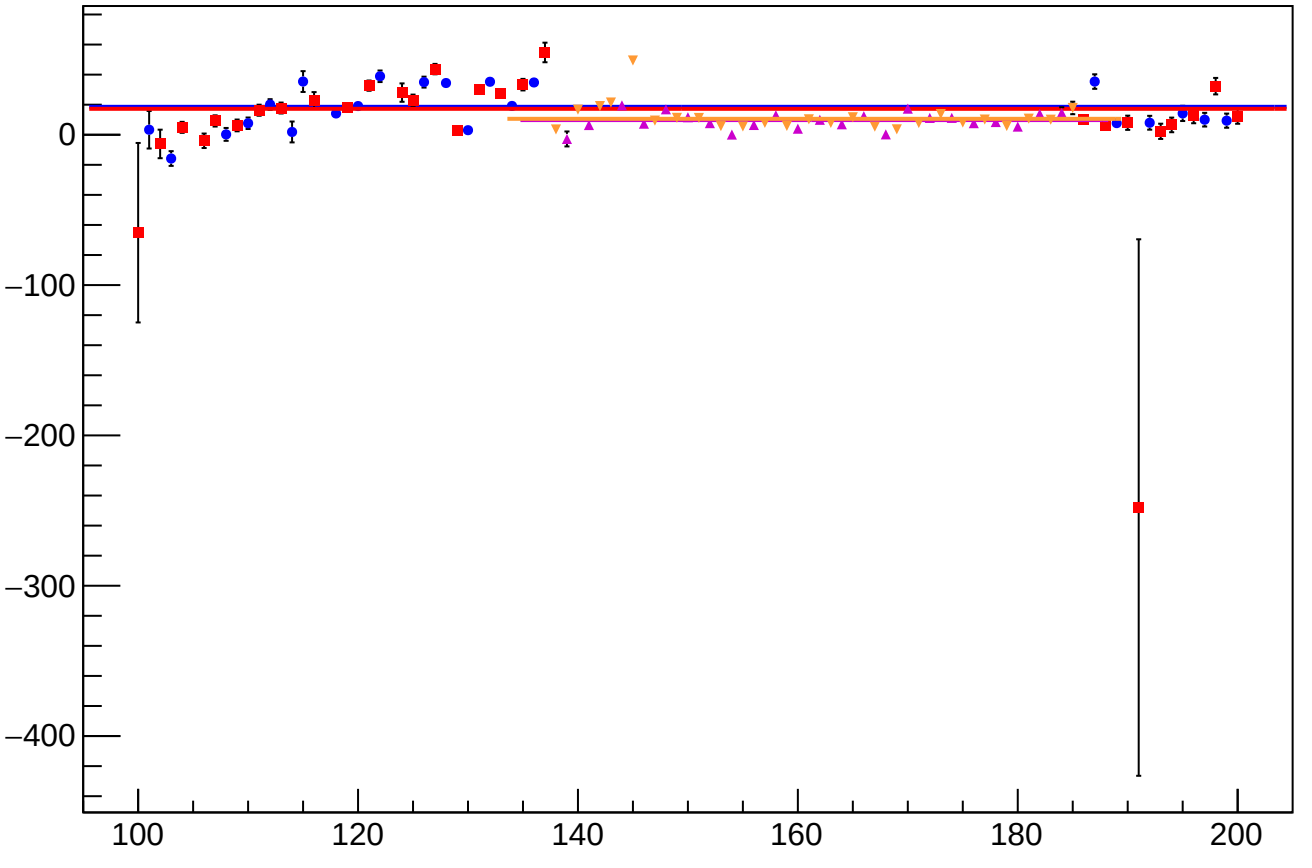
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.281+/-0.476 χ^2/NDF: 5633.3/49

In: -60.963+/-0.466 χ^2/NDF:2652.1/44

Out: -62.463+/-0.430 χ^2/NDF:4736.5/52

All: -61.772+/-0.316 χ^2/NDF: 7394.2/97



Right In: 18.582+/-0.779 χ^2/NDF: 286.3/21

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

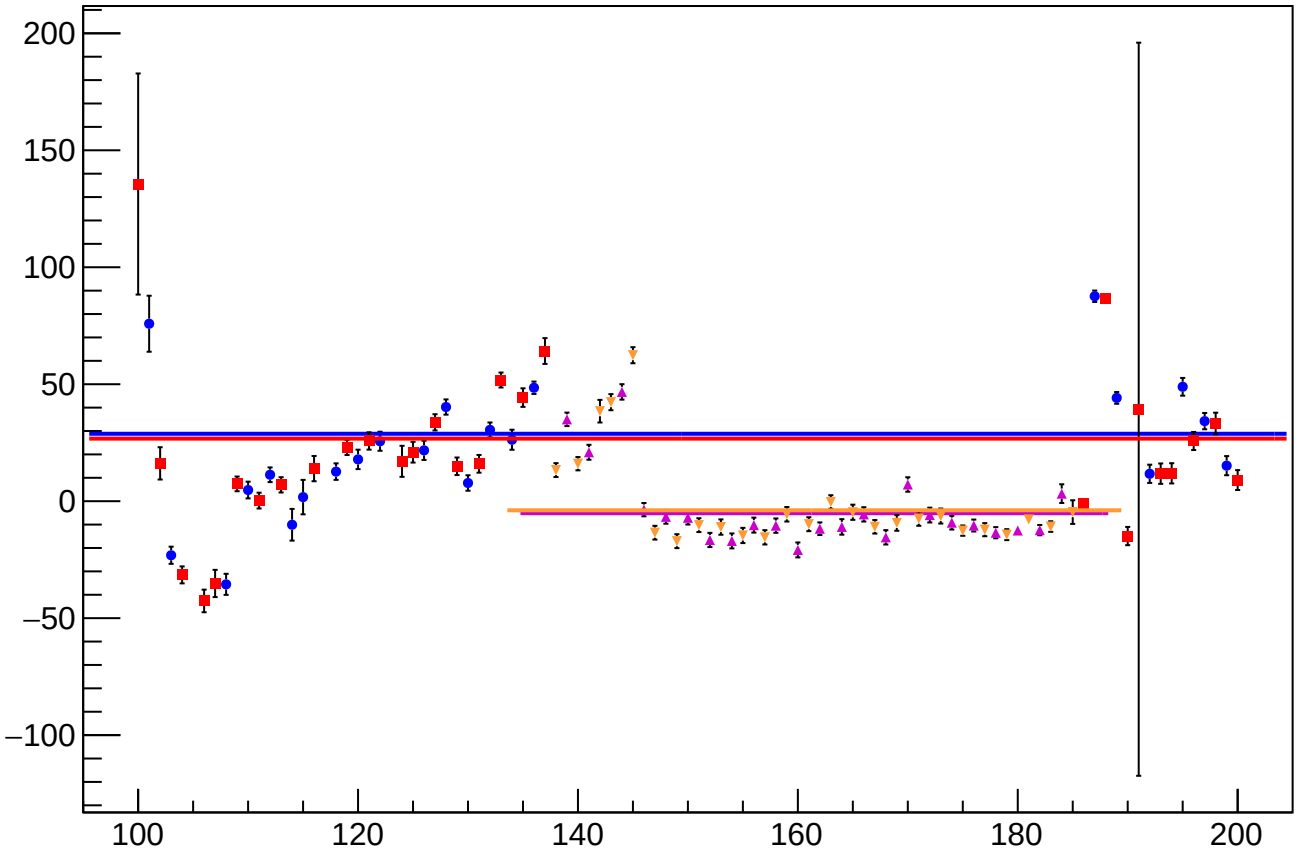
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 17.853+/-0.522 χ^2/NDF: 590.1/49

In: 12.094+/-0.401 χ^2/NDF:501.5/44

Out: 12.533+/-0.379 χ^2/NDF:621.0/52

All: 12.326+/-0.275 χ^2/NDF: 1123.1/97



Right In: 28.823+/-0.767 χ^2/NDF: 1368.0/21

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.746+/-0.633 χ^2/NDF: 3298.8/27

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

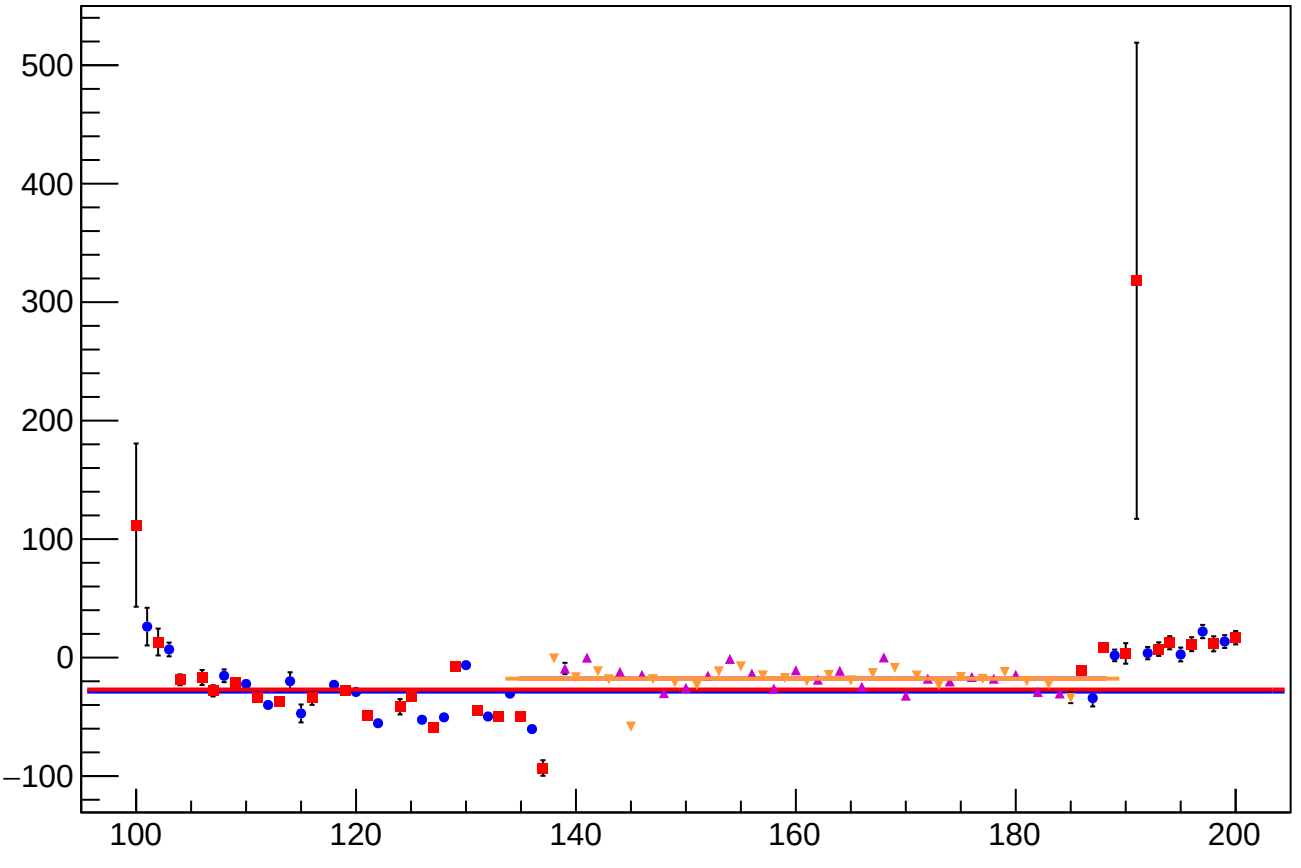
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.587+/-0.488 χ^2/NDF: 4671.2/49

In: 7.747+/-0.472 χ^2/NDF:3233.1/44

Out: 10.222+/-0.430 χ^2/NDF:5412.7/52

All: 9.102+/-0.318 χ^2/NDF: 8660.8/97



Right In: -28.706+/-0.908 χ^2/NDF: 634.9/21

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

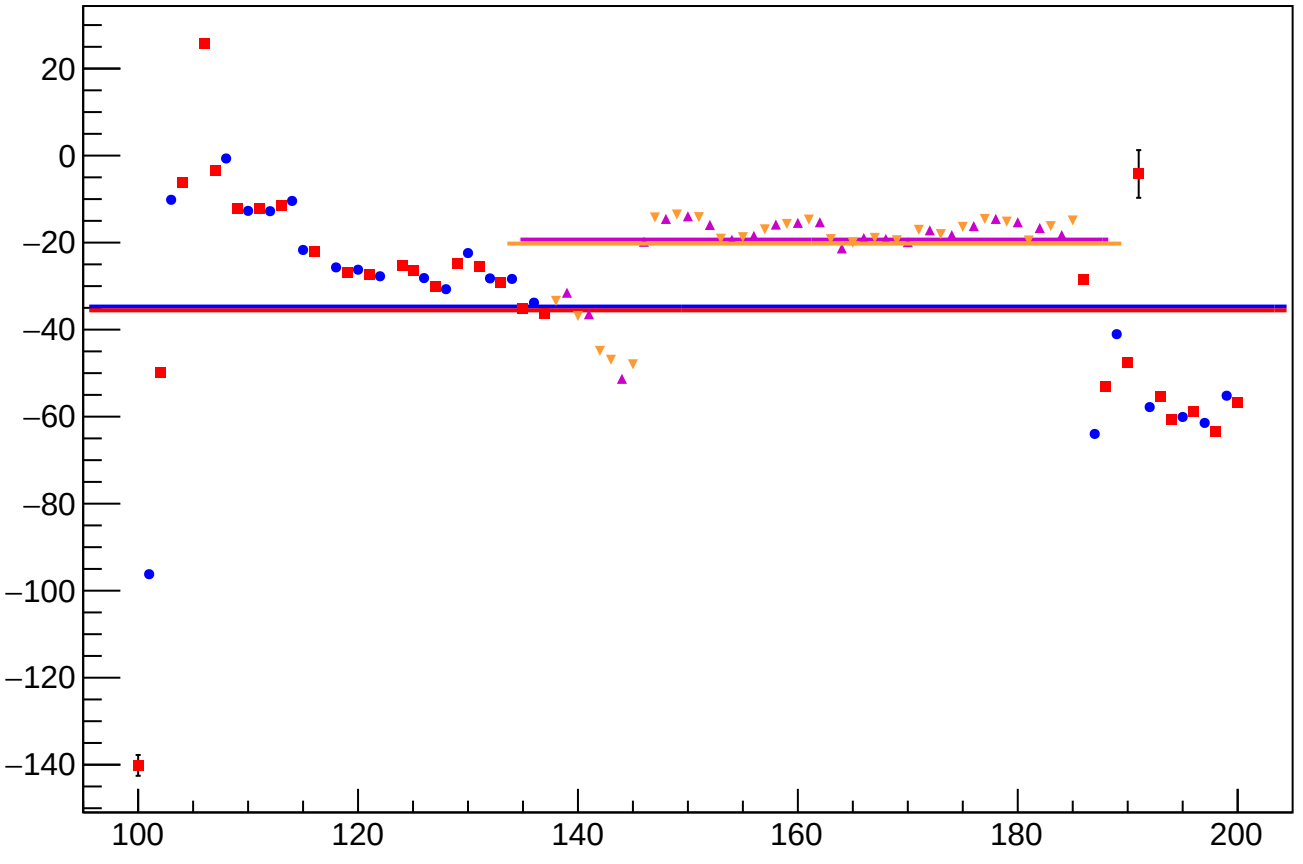
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -27.760+/-0.619 χ^2/NDF: 1410.0/49

In: -20.423+/-0.455 χ^2/NDF:1032.0/44

Out: -20.213+/-0.436 χ^2/NDF:1110.9/52

All: -20.314+/-0.315 χ^2/NDF: 2143.0/97



Right In: -34.700+/-0.046 χ^2/NDF: 175944.8/21

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

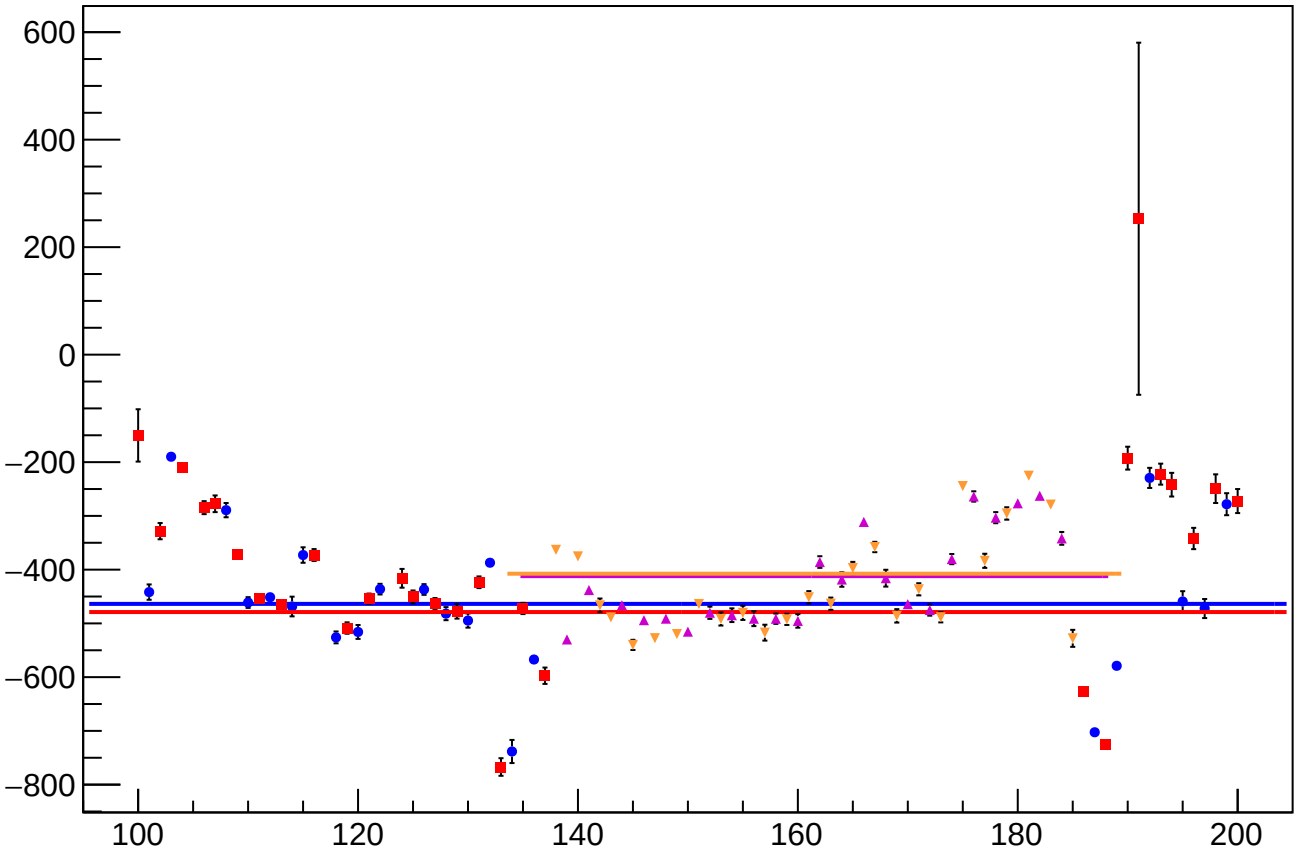
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -35.158+/-0.032 χ^2/NDF: 437540.2/49

In: -22.396+/-0.021 χ^2/NDF:356796.2/44

Out: -23.481+/-0.020 χ^2/NDF:504325.5/52

All: -22.952+/-0.015 χ^2/NDF: 862514.5/97



Right In: -463.702+/-2.402 χ^2/NDF: 2706.0/21

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

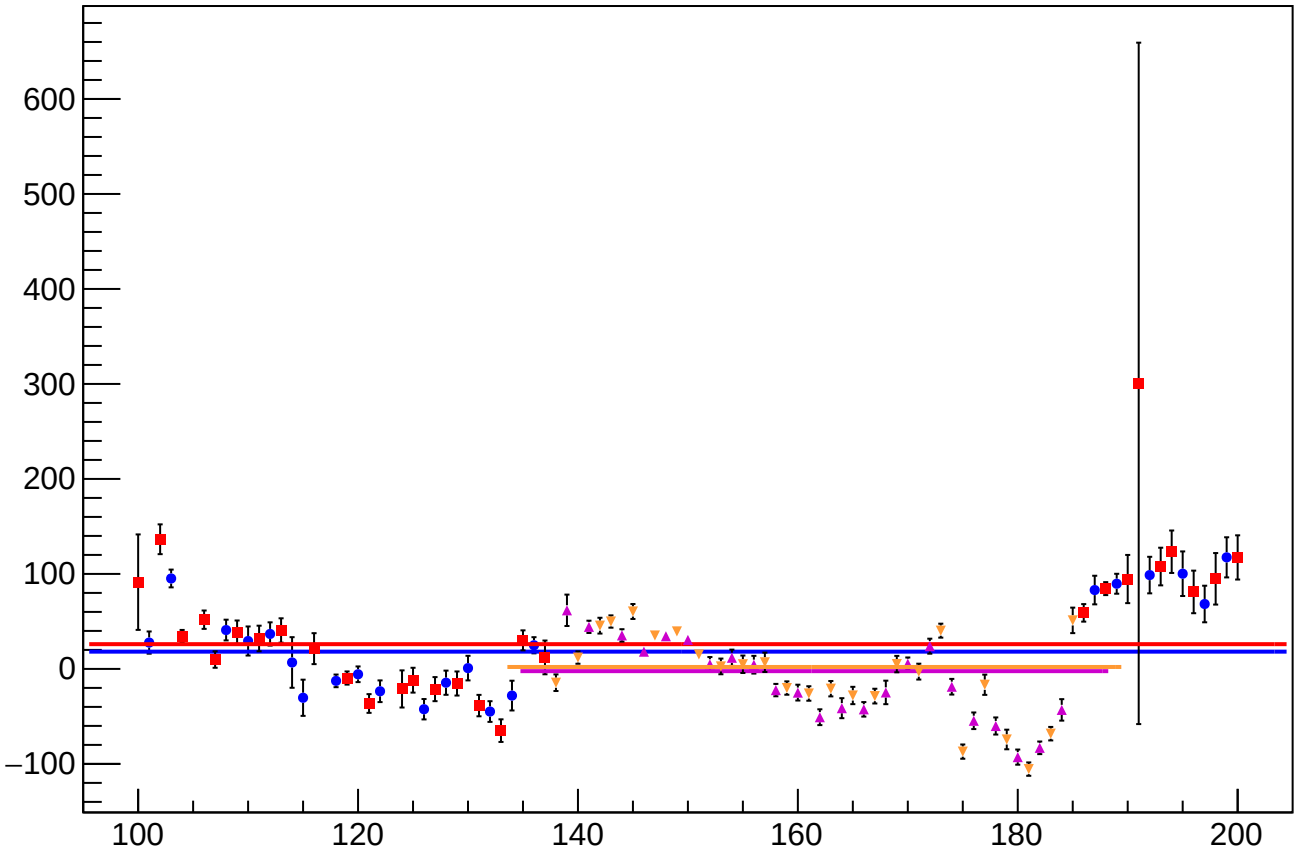
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -472.346+/-1.577 χ^2/NDF: 8657.6/49

In: -433.328+/-1.541 χ^2/NDF:5159.9/44

Out: -440.760+/-1.426 χ^2/NDF:9423.8/52

All: -437.330+/-1.047 χ^2/NDF: 14596.2/97



Right In: 18.177+/-2.521 χ^2/NDF: 332.2/21

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

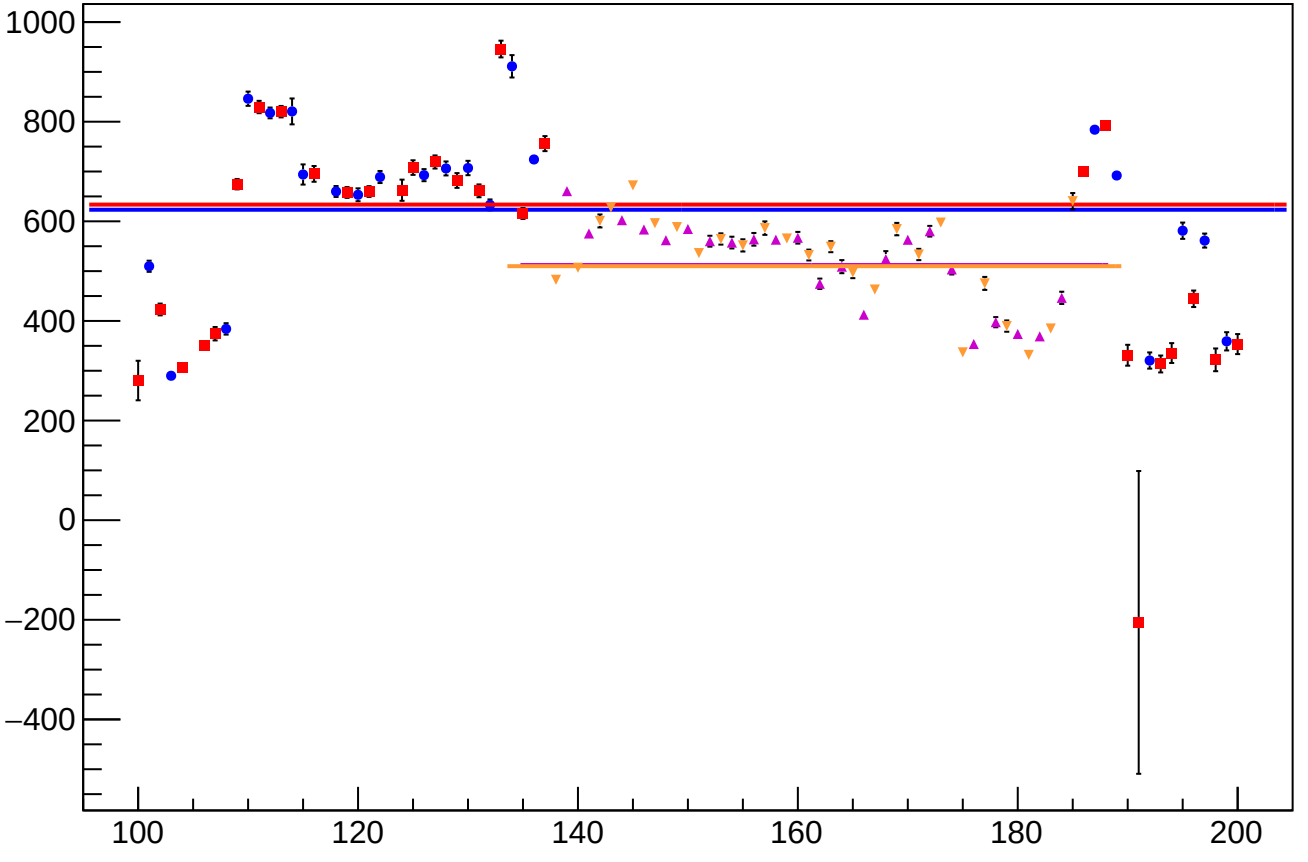
Right: 22.560+/-1.679 χ^2/NDF: 759.5/49

In: 2.912+/-1.278 χ^2/NDF:1114.9/44

Out: 8.918+/-1.204 χ^2/NDF:1413.8/52

All: 6.093+/-0.876 χ^2/NDF: 2540.5/97

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 623.247+/-2.434 χ^2/NDF: 5013.6/21

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

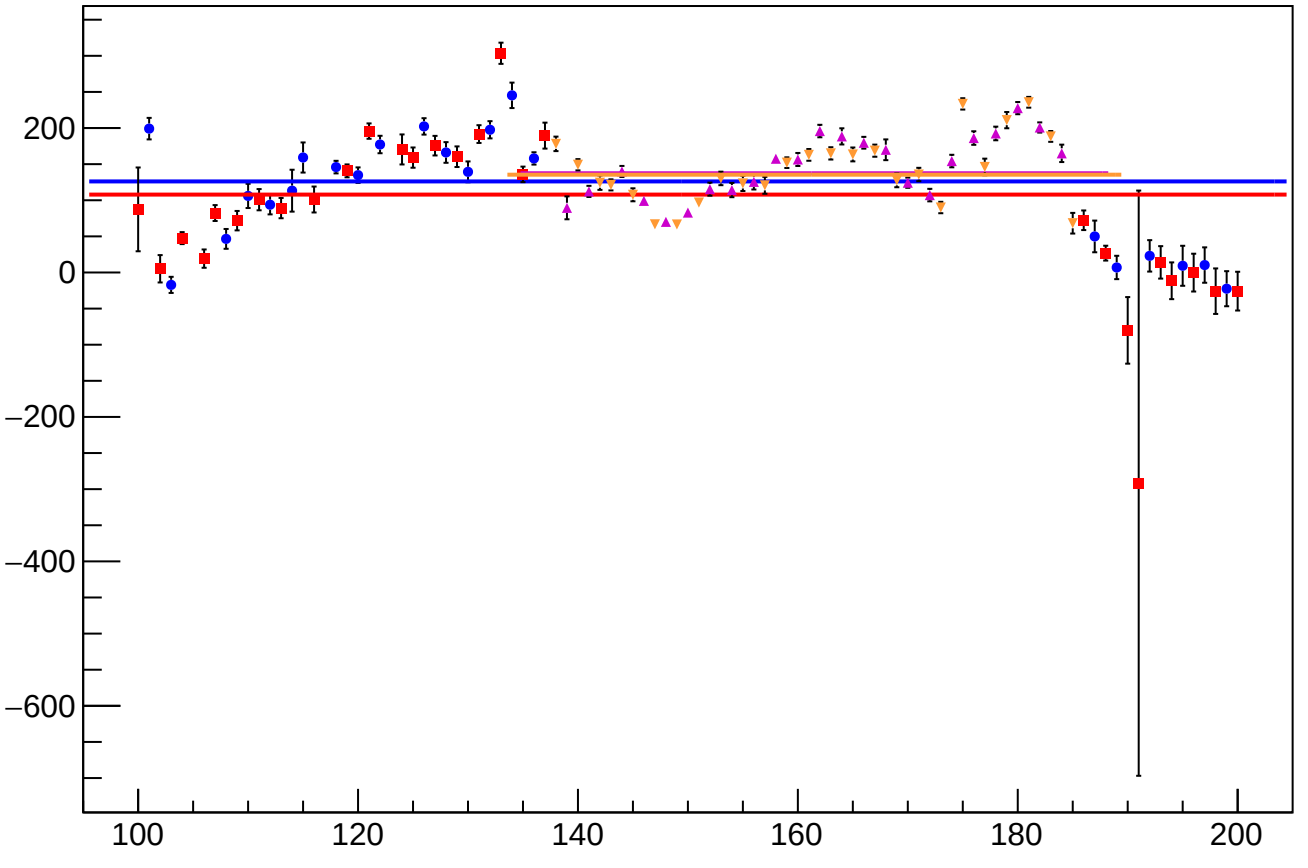
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 629.316+/-1.564 χ^2/NDF: 13282.0/49

In: 556.575+/-1.538 χ^2/NDF:8350.5/44

Out: 568.434+/-1.405 χ^2/NDF:12852.2/52

All: 563.039+/-1.037 χ^2/NDF: 21235.1/97



Right In: 126.085+/-2.970 χ^2/NDF: 572.1/21

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

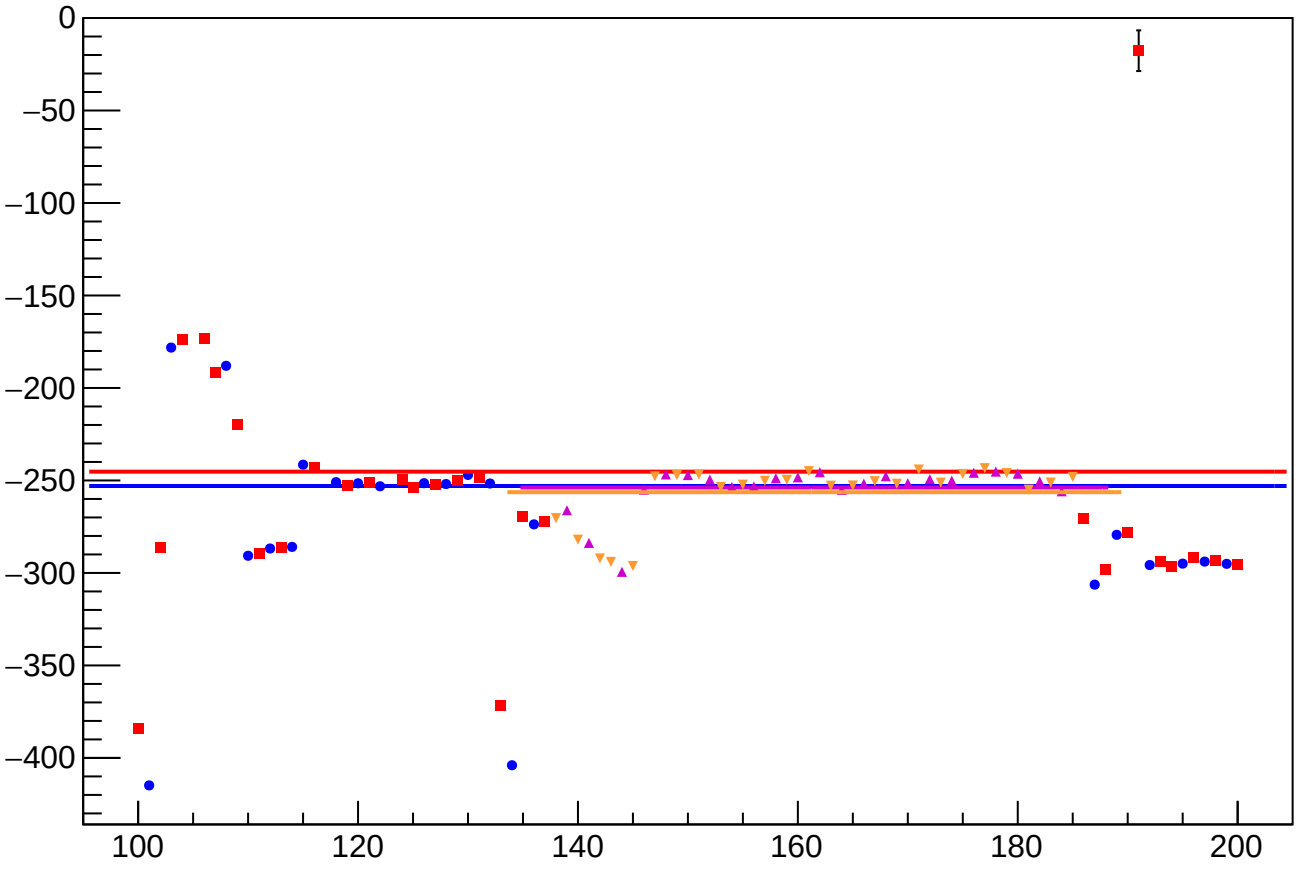
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 116.159+/-2.005 χ^2/NDF: 1319.1/49

In: 134.582+/-1.477 χ^2/NDF:1288.9/44

Out: 127.990+/-1.410 χ^2/NDF:1724.8/52

All: 131.133+/-1.020 χ^2/NDF: 3024.1/97



Right In: -252.996+/-0.146 χ^2/NDF: 192179.1/21

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

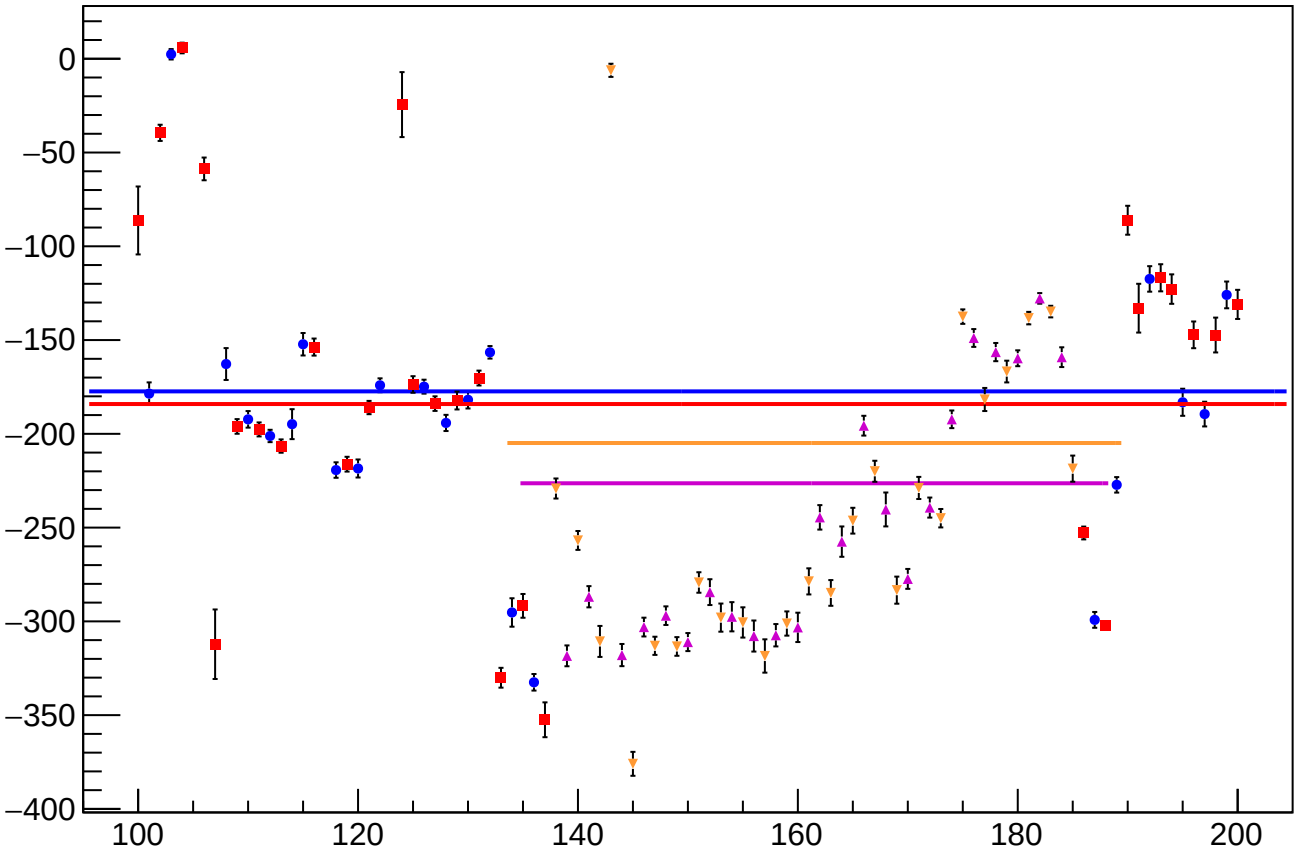
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -248.877+/-0.100 χ^2/NDF: 335662.5/49

In: -253.635+/-0.069 χ^2/NDF:216280.5/44

Out: -253.678+/-0.067 χ^2/NDF:186485.8/52

All: -253.657+/-0.048 χ^2/NDF: 402766.5/97



Right In: -177.363+/-0.970 χ^2/NDF: 7090.9/21

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

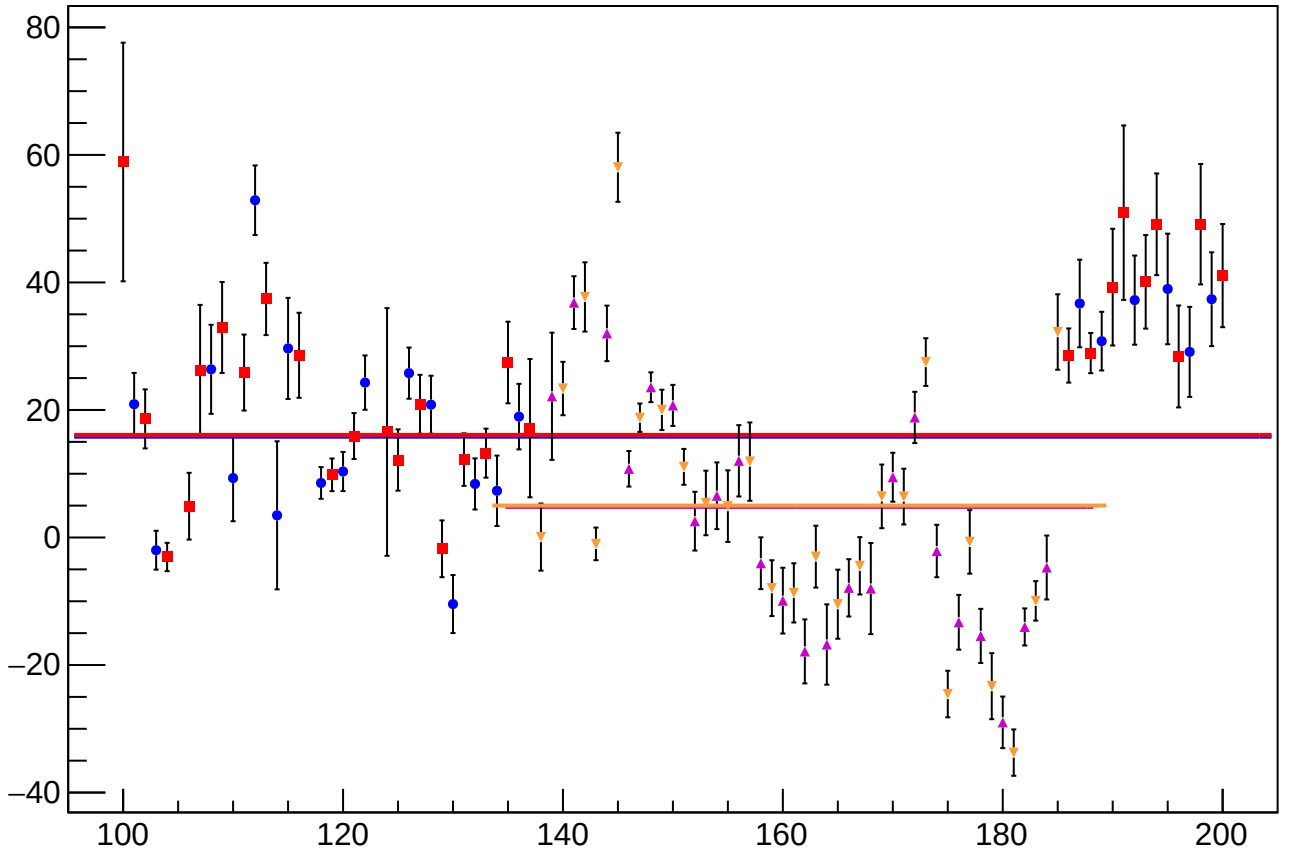
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -181.085+/-0.650 χ^2/NDF: 18392.9/49

In: -198.697+/-0.729 χ^2/NDF:12420.4/44

Out: -192.608+/-0.673 χ^2/NDF:19332.2/52

All: -195.408+/-0.494 χ^2/NDF: 31790.3/97



Right In: 15.812+/-0.998 χ^2/NDF: 199.8/21

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

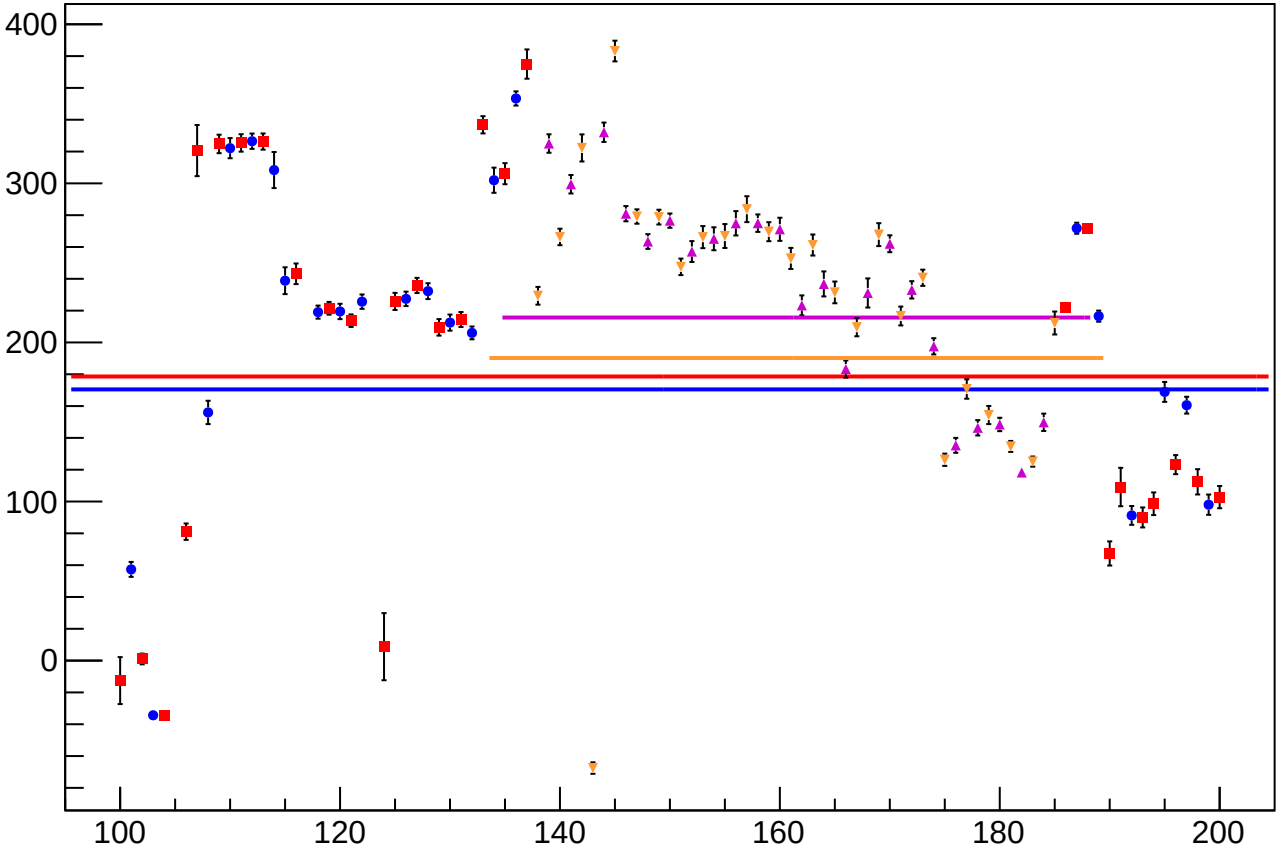
Right: 15.959+/-0.676 χ^2/NDF: 429.9/49

In: 9.406+/-0.646 χ^2/NDF:696.9/44

Out: 9.732+/-0.601 χ^2/NDF:861.7/52

All: 9.581+/-0.440 χ^2/NDF: 1558.8/97

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 170.476+/-0.976 χ^2/NDF: 15367.1/21

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

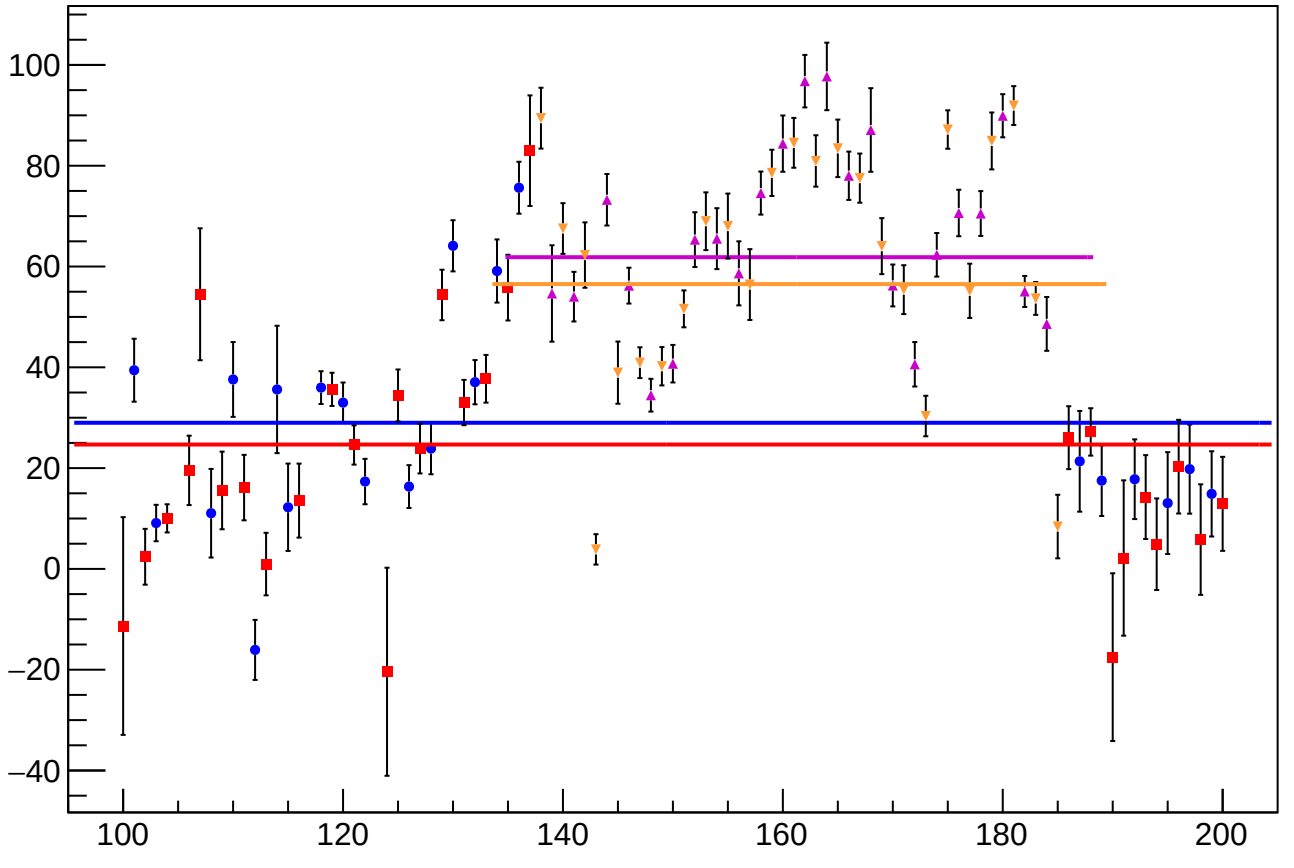
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 175.093+/-0.641 χ^2/NDF: 36031.5/49

In: 190.401+/-0.729 χ^2/NDF:20198.7/44

Out: 183.198+/-0.661 χ^2/NDF:30083.0/52

All: 186.444+/-0.490 χ^2/NDF: 50335.3/97



Right In: 28.998+/-1.180 χ^2/NDF: 290.0/21

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

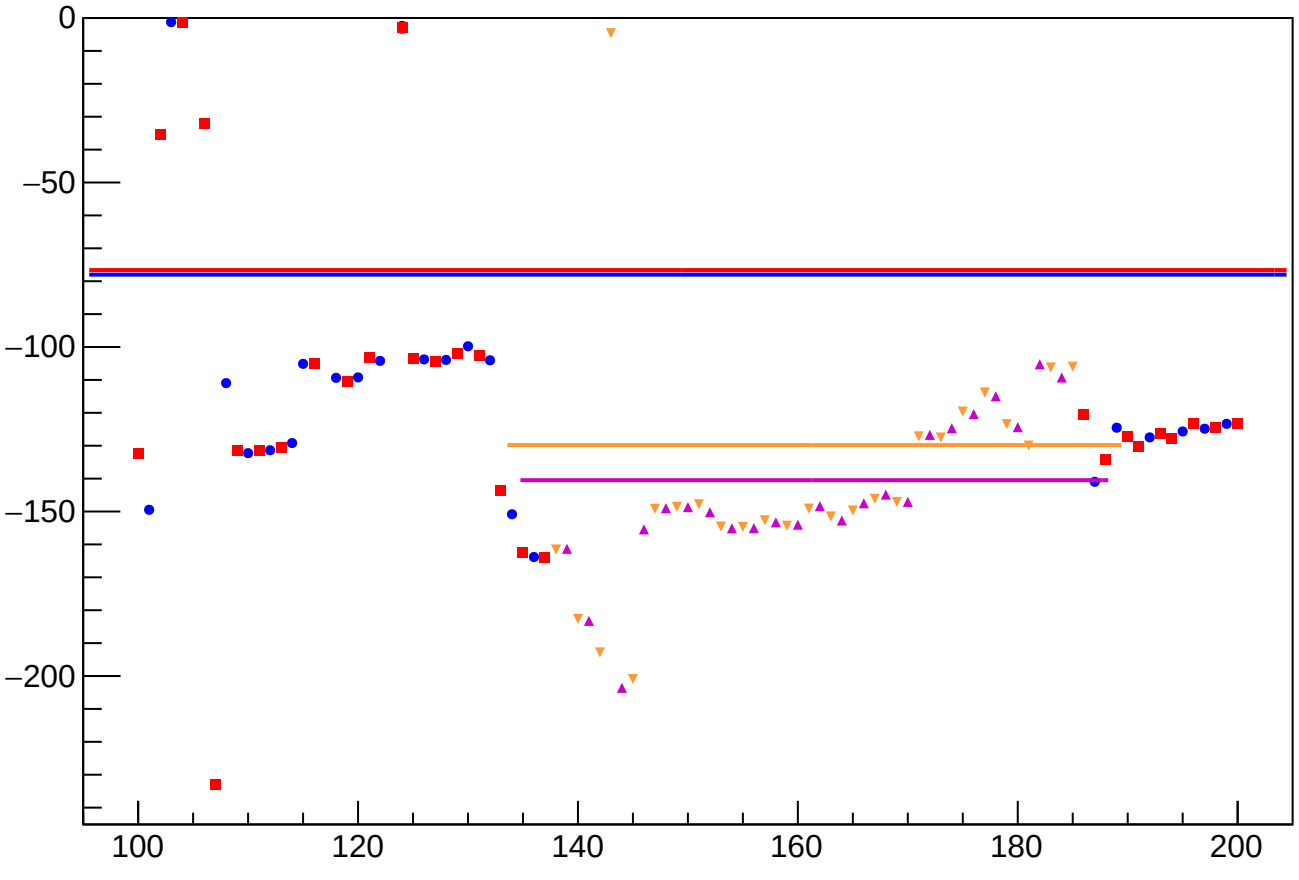
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.701+/-0.807 χ^2/NDF: 505.9/49

In: 48.741+/-0.745 χ^2/NDF:1076.6/44

Out: 43.691+/-0.702 χ^2/NDF:1501.7/52

All: 46.067+/-0.511 χ^2/NDF: 2602.6/97



Right In: -77.993+/-0.056 χ^2/NDF: 1244916.7/21

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

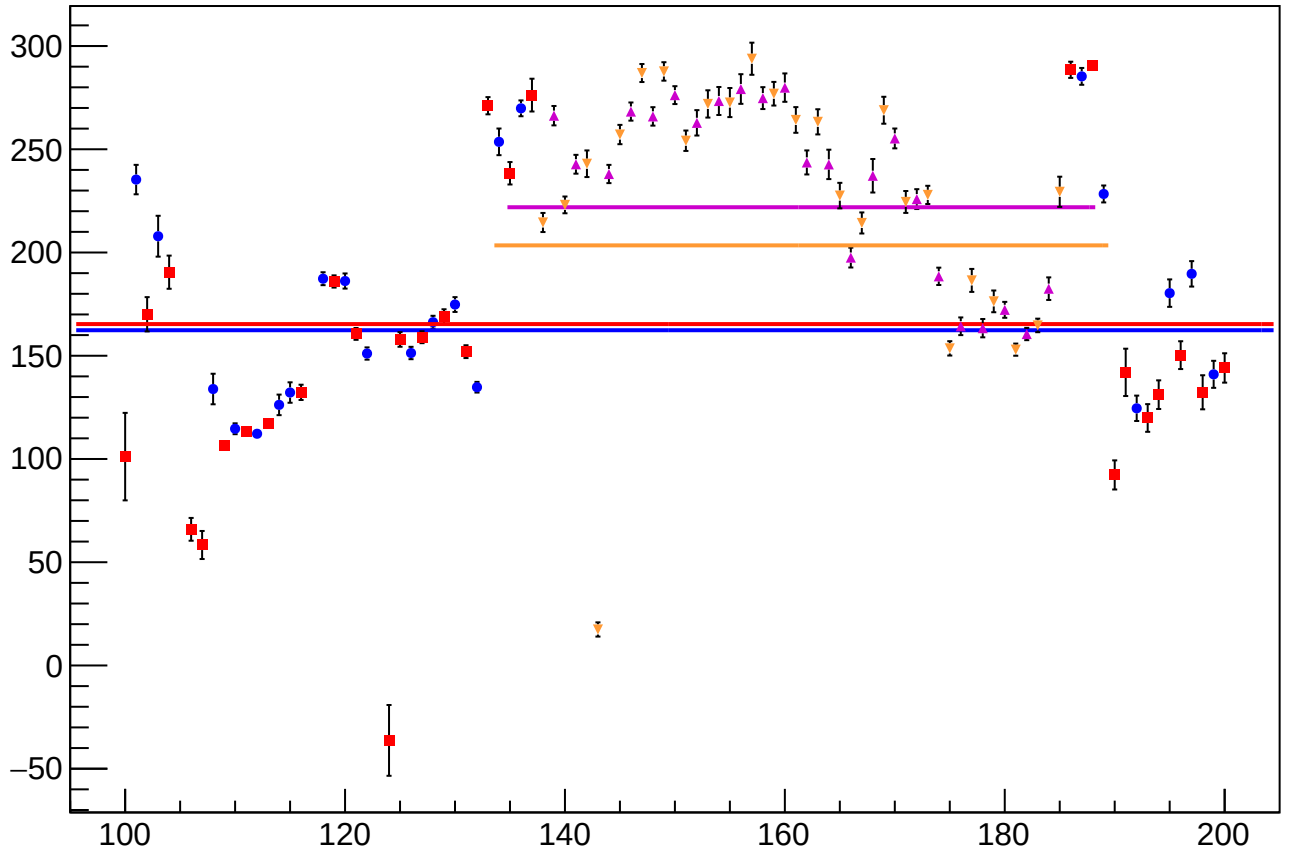
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -77.257+/-0.039 χ^2/NDF: 2458042.6/49

In: -117.088+/-0.035 χ^2/NDF:2265978.5/44

Out: -109.211+/-0.033 χ^2/NDF:2854386.9/52

All: -112.971+/-0.024 χ^2/NDF: 5147547.8/97



Right In: 162.359+/-0.805 χ^2/NDF: 3614.4/21

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

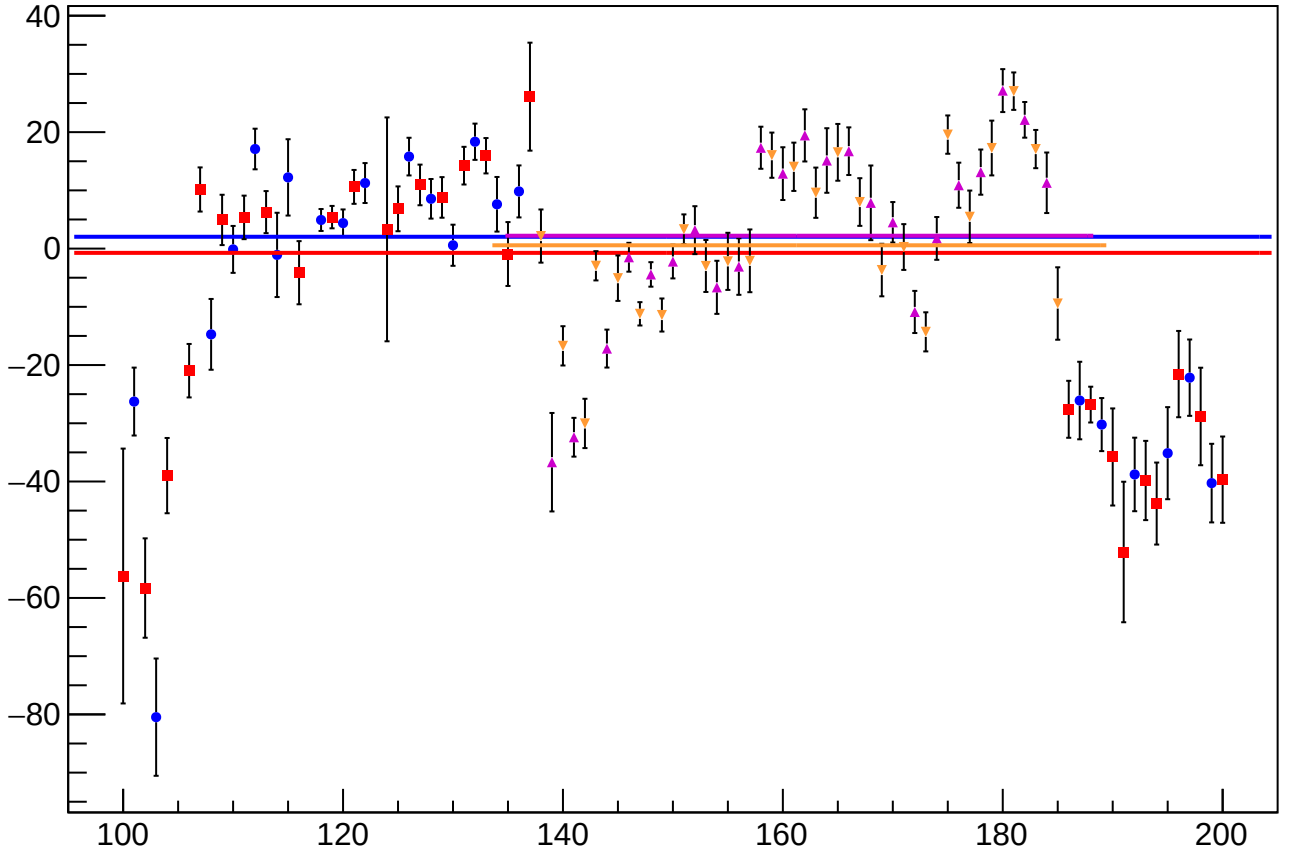
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 163.988+/-0.542 χ^2/NDF: 11674.3/49

In: 185.706+/-0.628 χ^2/NDF:7745.8/44

Out: 179.472+/-0.580 χ^2/NDF:14550.5/52

All: 182.344+/-0.426 χ^2/NDF: 22349.5/97



Right In: 2.032+/-0.839 χ^2/NDF: 369.1/21

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

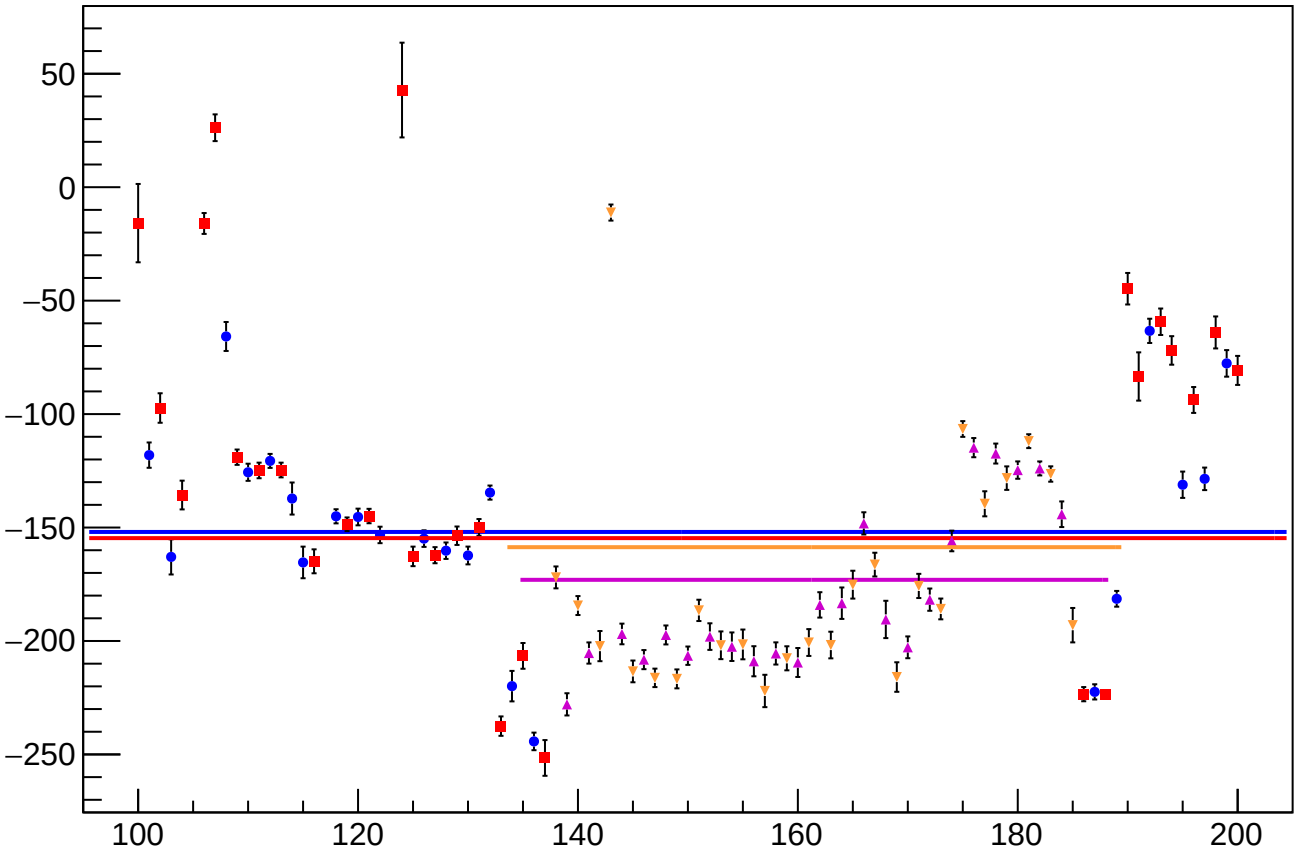
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 0.600+/-0.583 χ^2/NDF: 860.7/49

In: 2.130+/-0.563 χ^2/NDF:727.2/44

Out: -0.002+/-0.536 χ^2/NDF:832.9/52

All: 1.011+/-0.388 χ^2/NDF: 1567.7/97



Right In: -151.944+/-0.892 χ^2/NDF: 2088.5/21

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

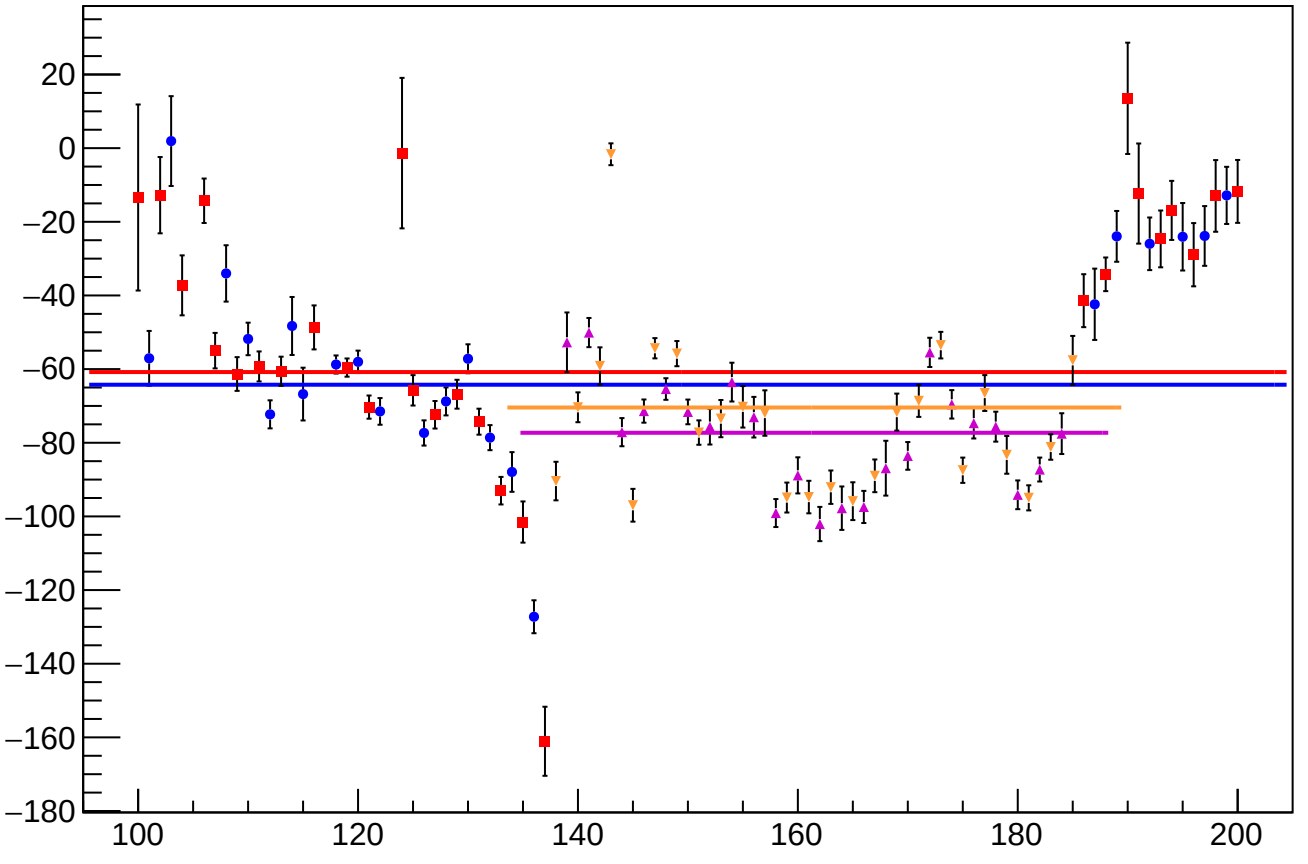
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -153.467+/-0.592 χ^2/NDF: 8261.3/49

In: -161.338+/-0.664 χ^2/NDF:3737.6/44

Out: -156.299+/-0.608 χ^2/NDF:9669.8/52

All: -158.597+/-0.449 χ^2/NDF: 13438.7/97



Right In: -64.241+/-0.984 χ^2/NDF: 486.4/21

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

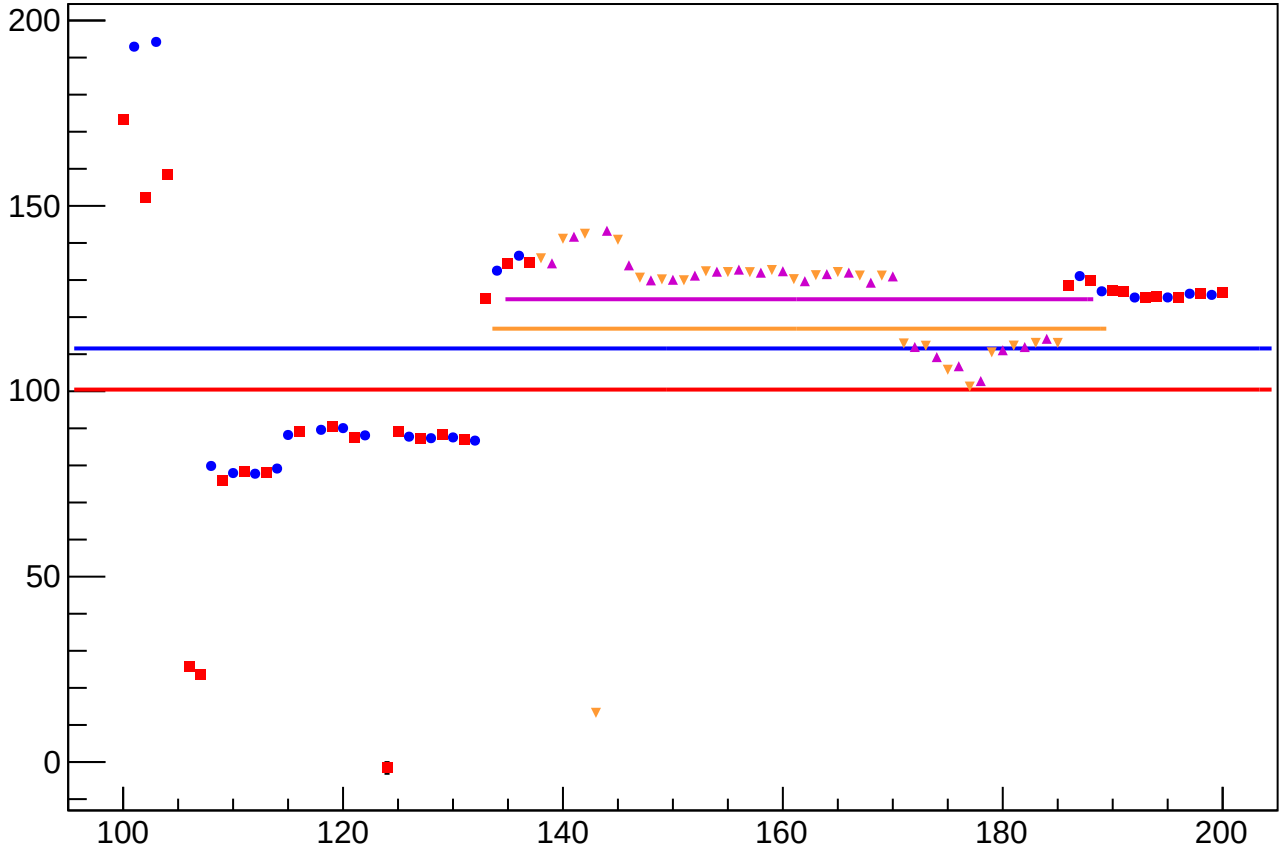
Right: -62.466+/-0.685 χ^2/NDF: 1079.5/49

In: -71.598+/-0.650 χ^2/NDF:839.8/44

Out: -66.325+/-0.622 χ^2/NDF:1547.0/52

All: -68.846+/-0.449 χ^2/NDF: 2421.1/97

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 111.549+/-0.060 χ^2/NDF: 263850.1/21

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

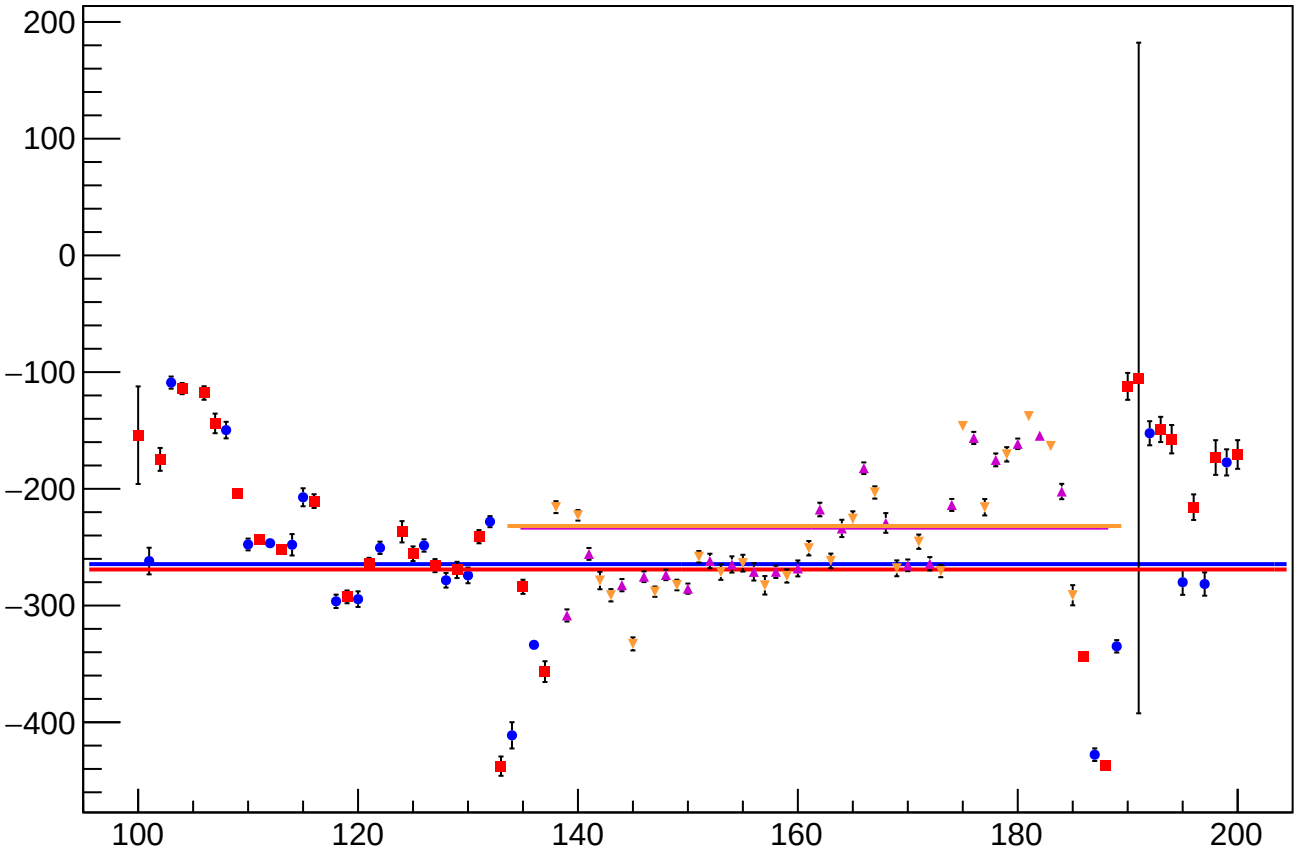
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 105.424+/-0.040 χ^2/NDF: 773360.3/49

In: 120.807+/-0.033 χ^2/NDF:386385.4/44

Out: 111.396+/-0.031 χ^2/NDF:1175654.4/52

All: 115.843+/-0.023 χ^2/NDF: 1605332.7/97



Right In: -264.515+/-1.303 χ^2/NDF: 3096.0/21

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

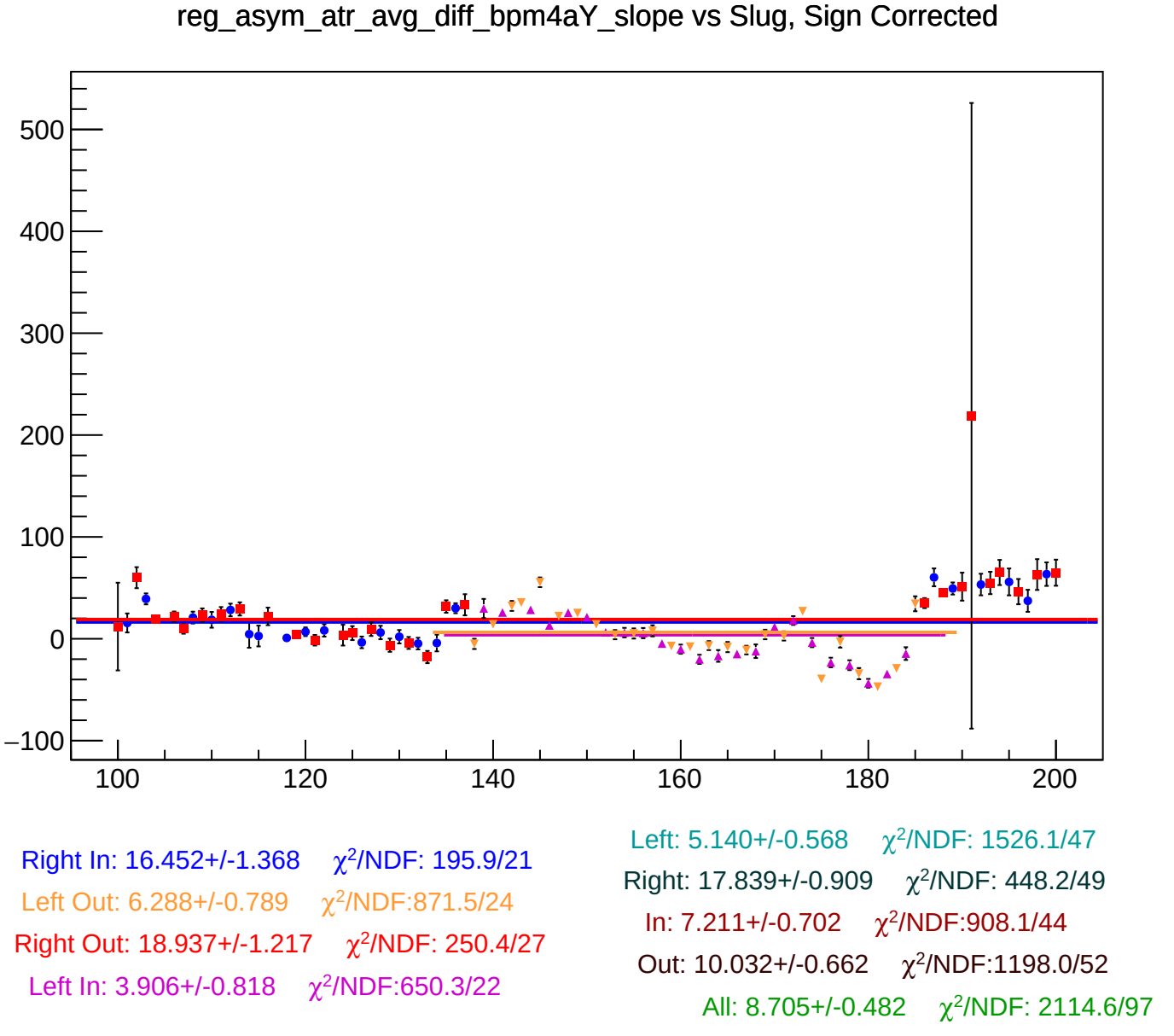
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -267.142+/-0.853 χ^2/NDF: 10418.6/49

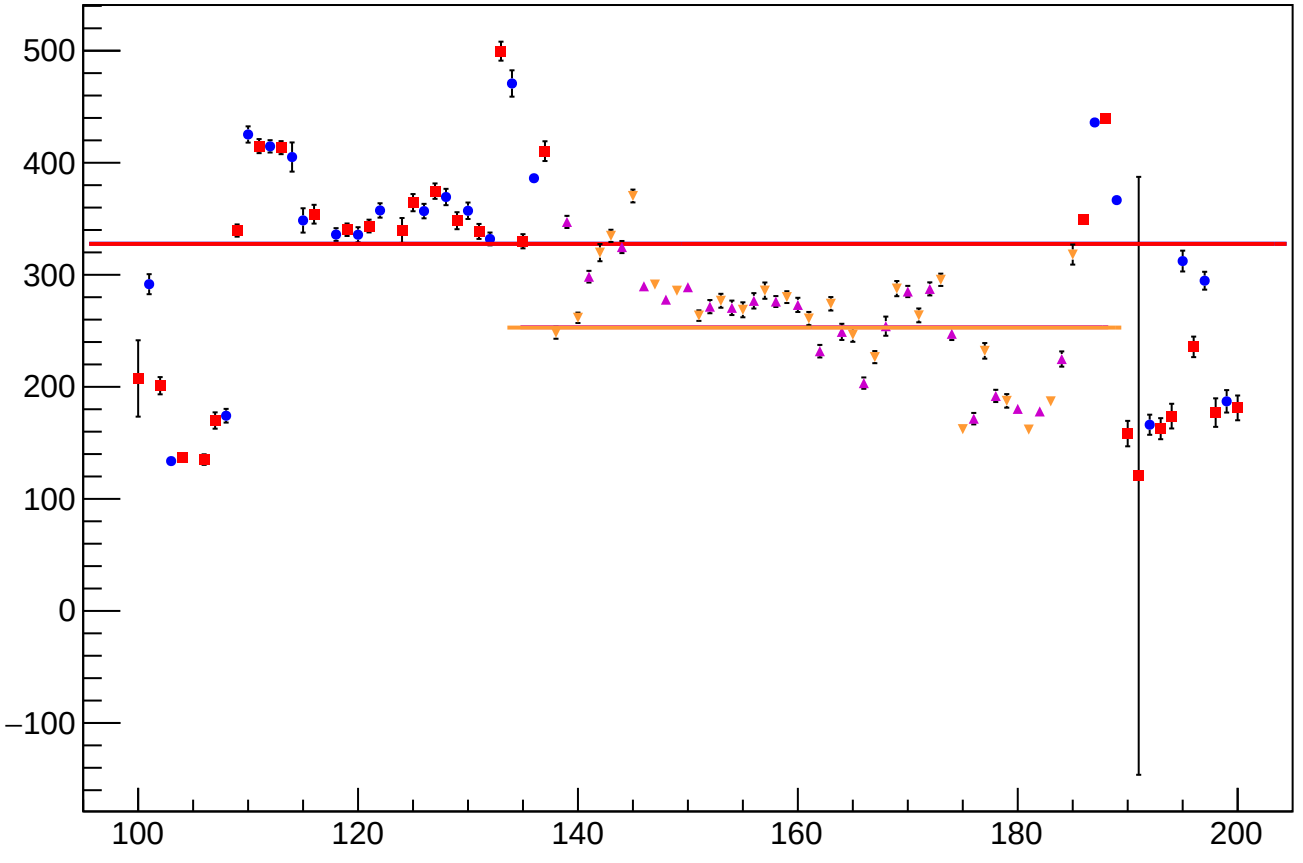
In: -246.368+/-0.844 χ^2/NDF:5497.0/44

Out: -249.672+/-0.780 χ^2/NDF:10561.4/52

All: -248.150+/-0.573 χ^2/NDF: 16066.7/97


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: 16.452+/-1.368 χ²/NDF: 195.9/21
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: 17.839+/-0.909 χ²/NDF: 448.2/49
In: 7.211+/-0.702 χ²/NDF:908.1/44
Out: 10.032+/-0.662 χ²/NDF:1198.0/52
All: 8.705+/-0.482 χ²/NDF: 2114.6/97

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.720+/-1.350 χ^2/NDF: 5032.0/21

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

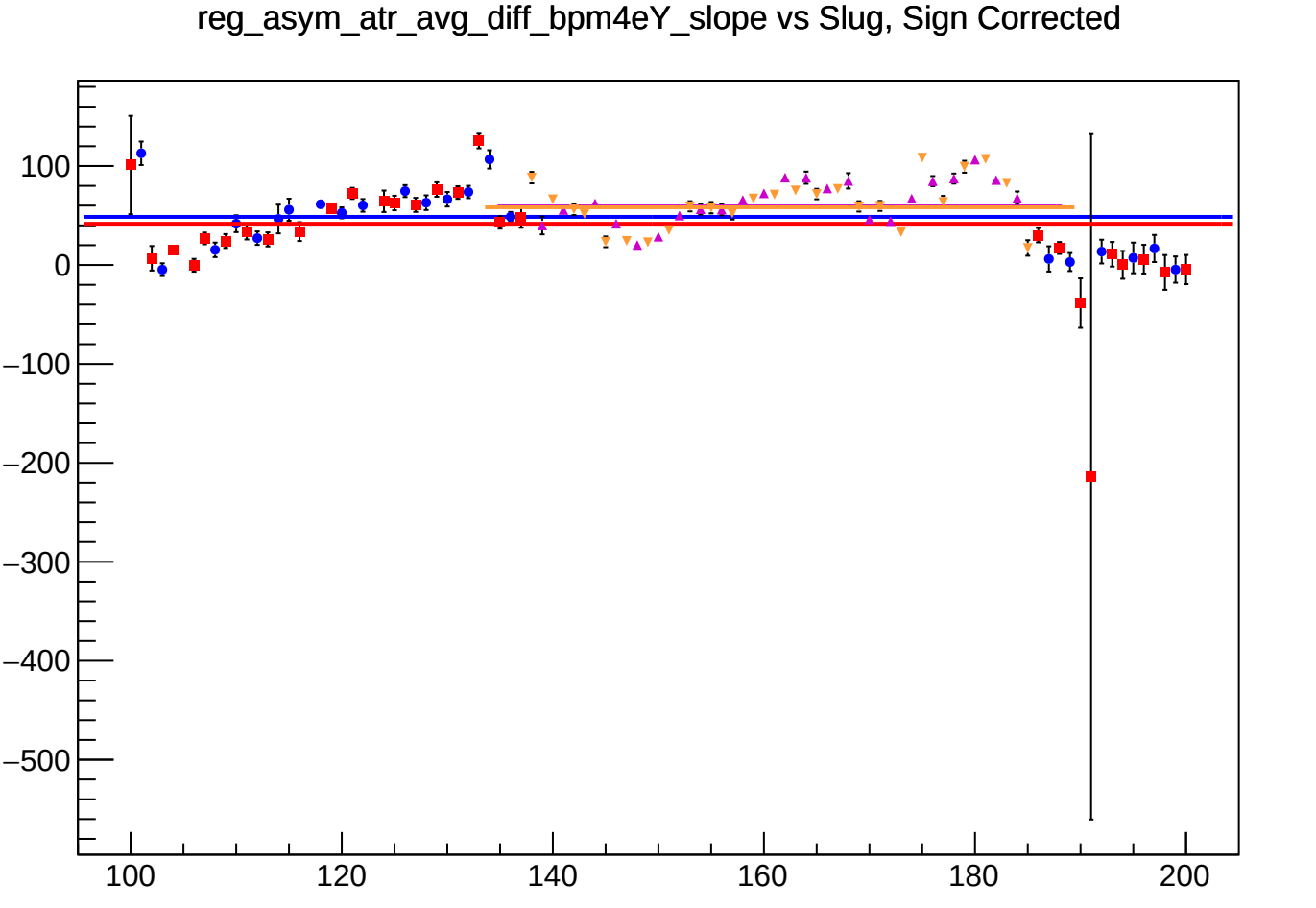
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 327.647+/-0.864 χ^2/NDF: 14514.0/49

In: 282.743+/-0.850 χ^2/NDF:8929.0/44

Out: 288.416+/-0.775 χ^2/NDF:14377.5/52

All: 285.839+/-0.573 χ^2/NDF: 23330.8/97



Right In: 48.596+/-1.608 χ^2/NDF: 298.8/21

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

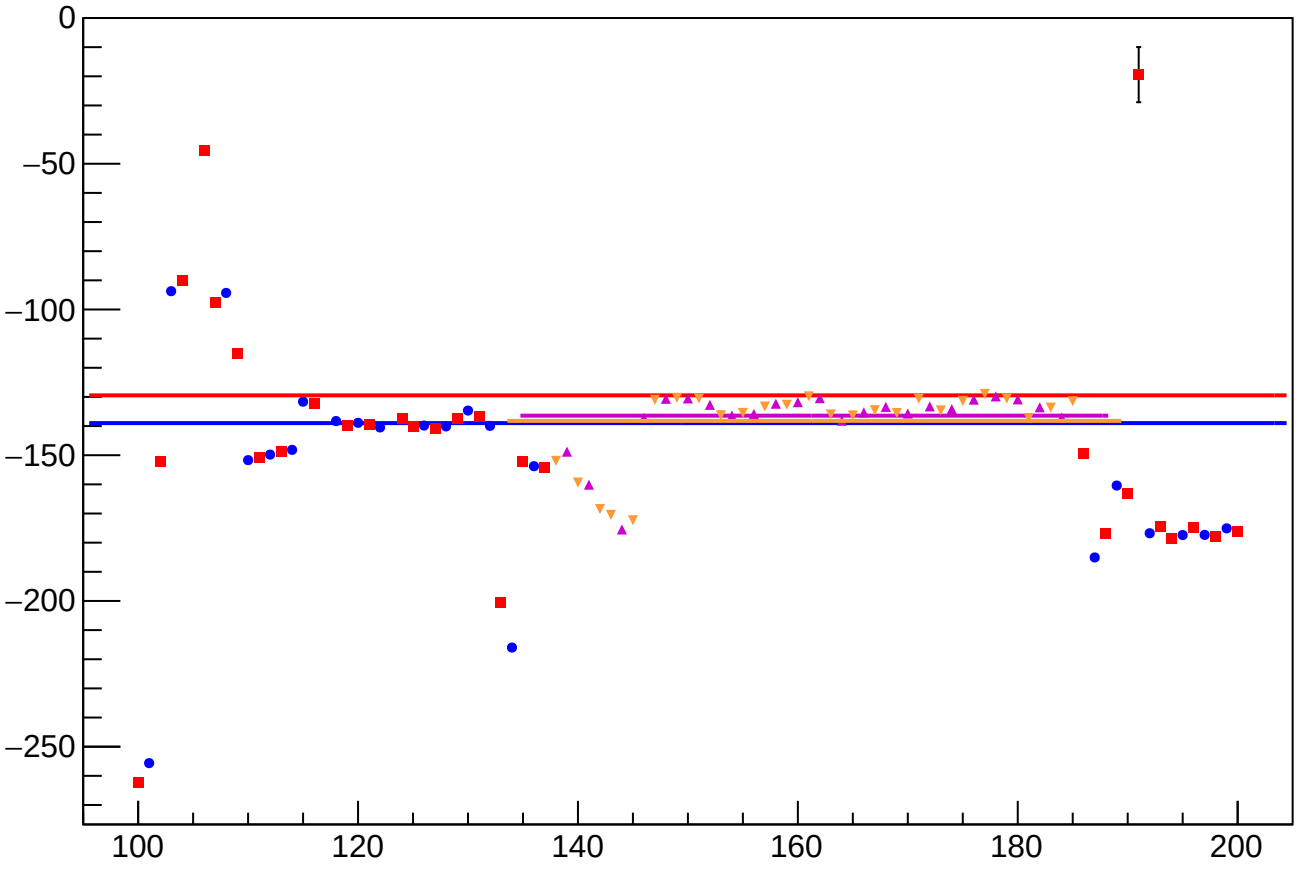
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 44.795+/-1.083 χ^2/NDF: 713.2/49

In: 56.470+/-0.810 χ^2/NDF:963.4/44

Out: 53.654+/-0.774 χ^2/NDF:1347.6/52

All: 54.997+/-0.560 χ^2/NDF: 2317.4/97



Right In: -138.981+/-0.081 χ^2/NDF: 221846.0/21

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

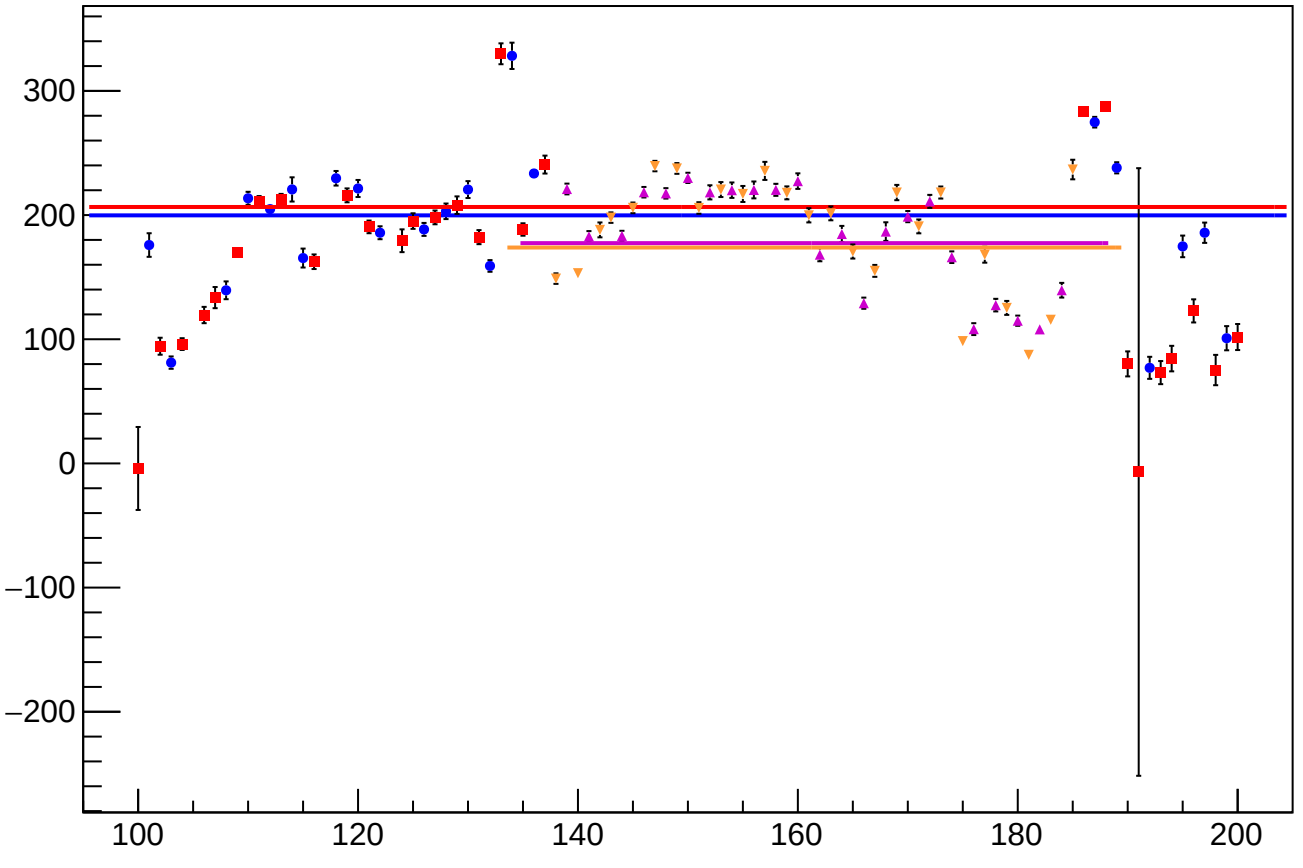
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -133.824+/-0.055 χ^2/NDF: 544796.6/49

In: -136.982+/-0.038 χ^2/NDF:272407.2/44

Out: -136.087+/-0.037 χ^2/NDF:407713.9/52

All: -136.523+/-0.026 χ^2/NDF: 680406.6/97



Right In: 199.771+/-1.230 χ^2/NDF: 1735.4/21

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

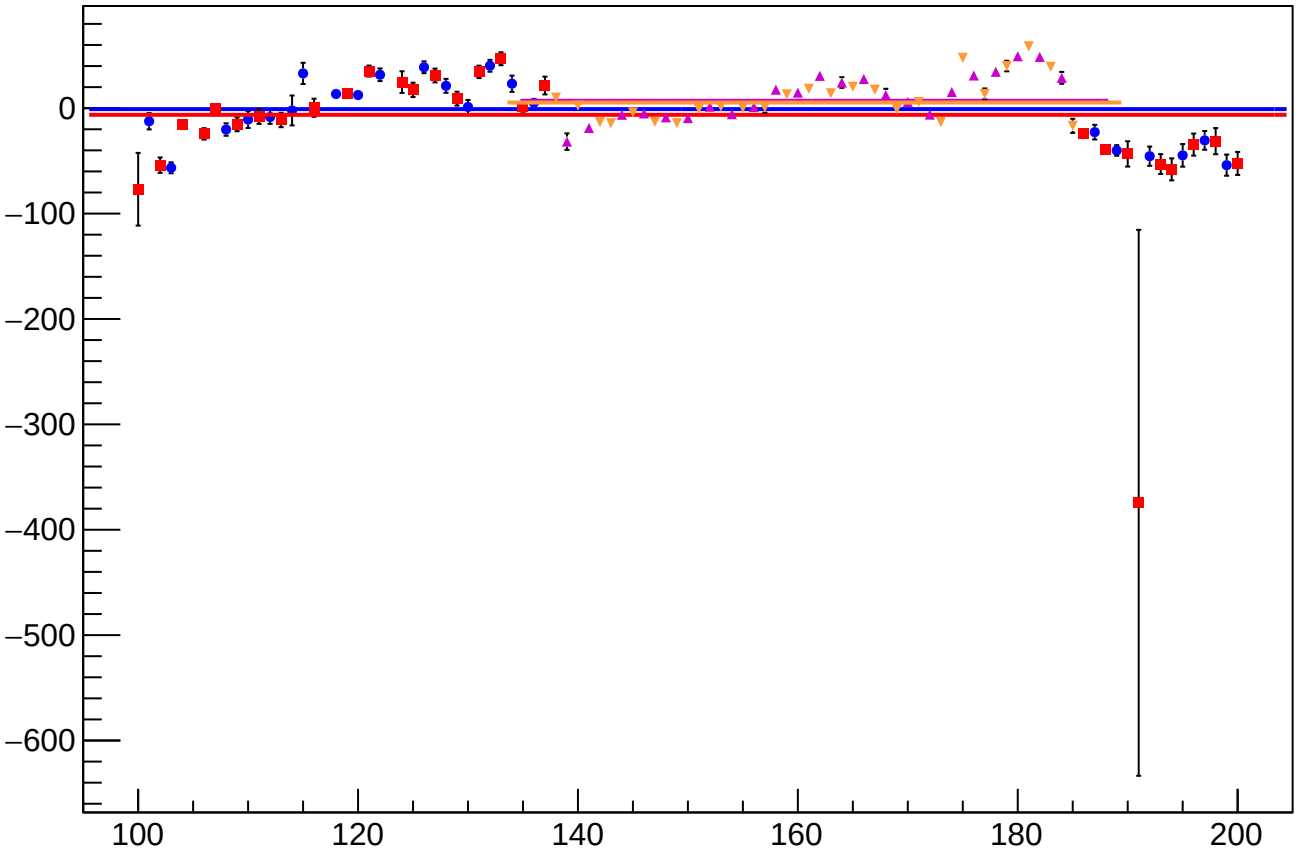
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 203.648+/-0.802 χ^2/NDF: 5761.9/49

In: 186.255+/-0.774 χ^2/NDF:3898.2/44

Out: 188.634+/-0.712 χ^2/NDF:7157.9/52

All: 187.543+/-0.524 χ^2/NDF: 11061.2/97



Right In: -0.868+/-1.309 χ^2/NDF: 473.0/21

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

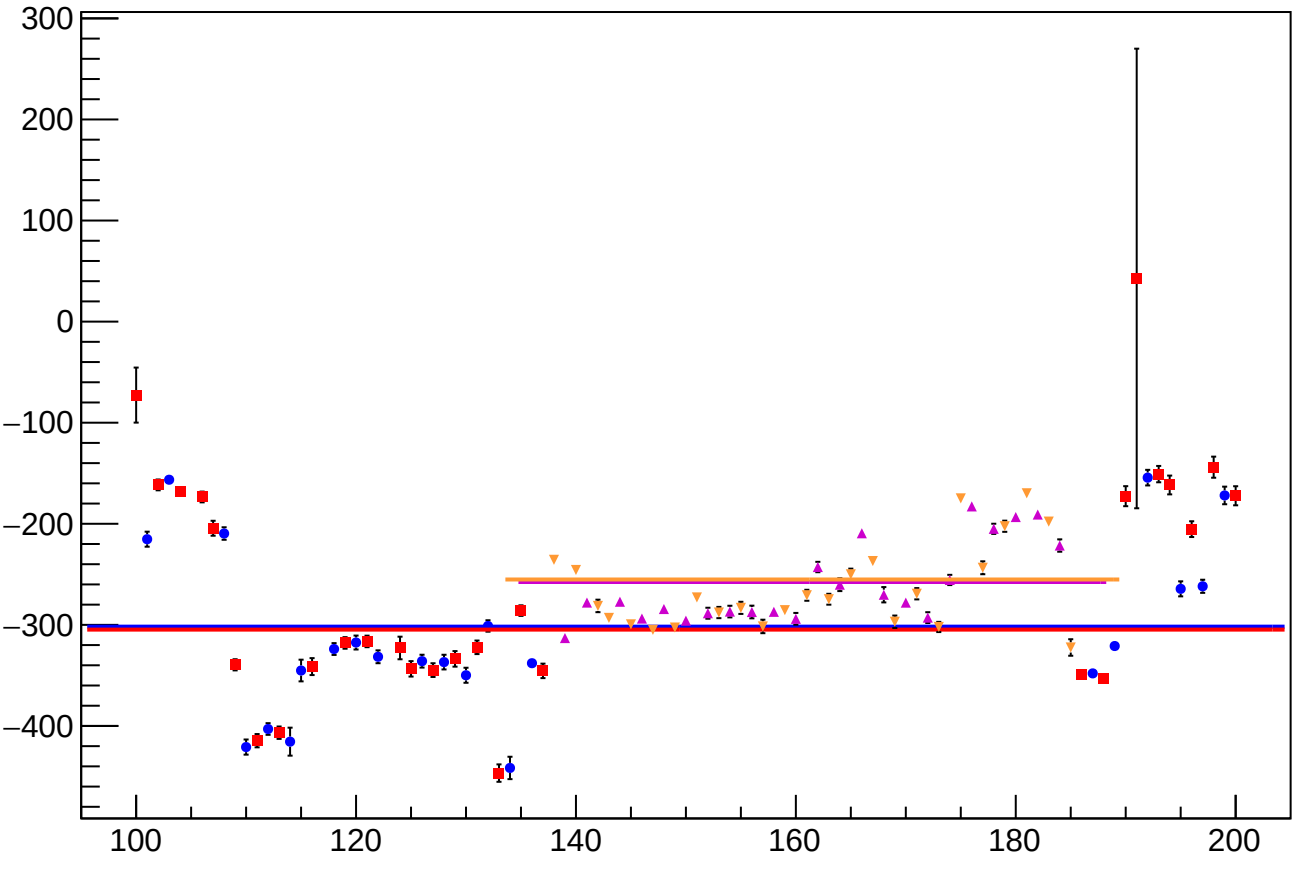
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -3.895+/-0.868 χ^2/NDF: 1051.6/49

In: 5.135+/-0.645 χ^2/NDF:1210.4/44

Out: 2.191+/-0.606 χ^2/NDF:1452.2/52

All: 3.571+/-0.442 χ^2/NDF: 2673.7/97



Right In: -301.768+/-1.239 χ^2/NDF: 3635.7/21

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

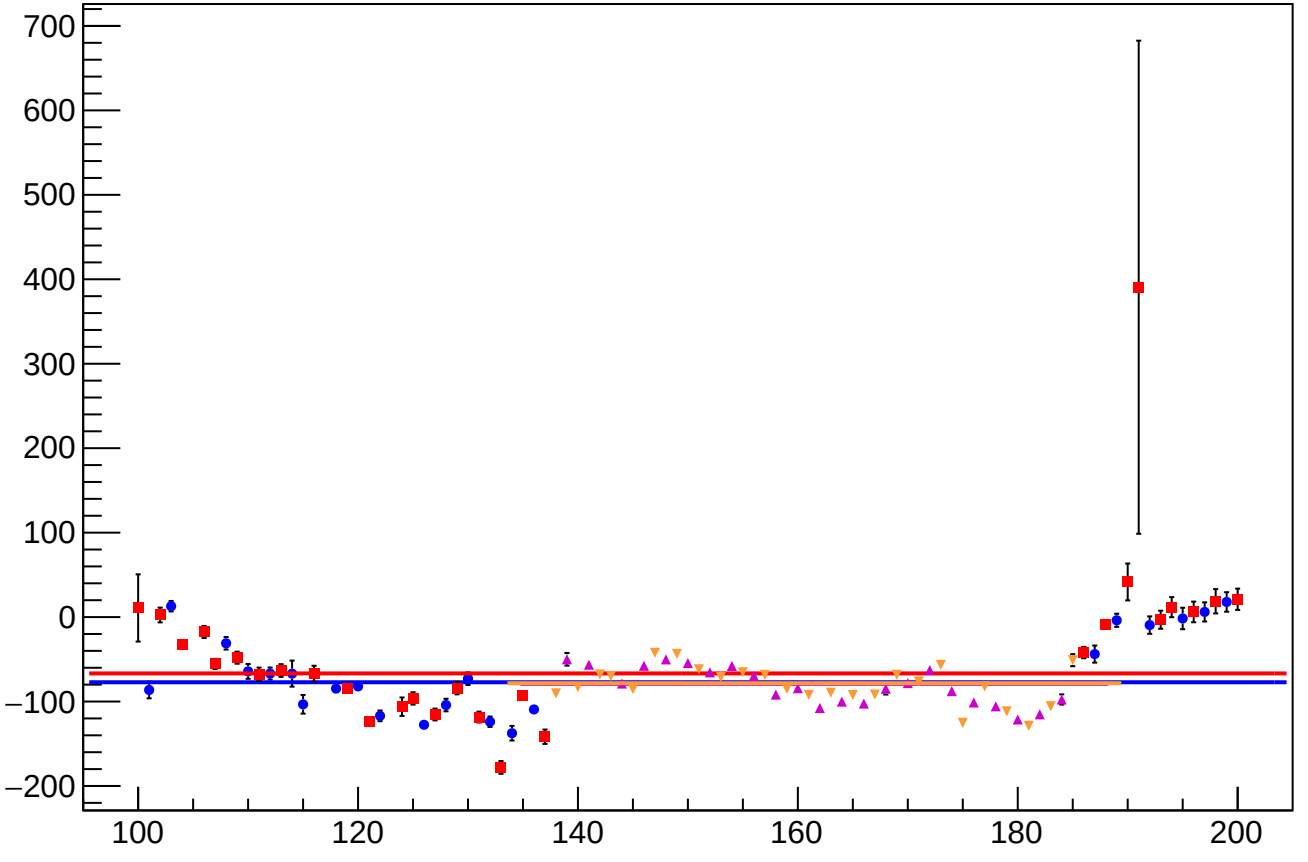
Right: -303.513+/-0.788 χ^2/NDF: 9859.5/49

In: -274.709+/-0.771 χ^2/NDF:6222.9/44

Out: -278.263+/-0.698 χ^2/NDF:9819.9/52

All: -276.661+/-0.518 χ^2/NDF: 16054.4/97

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.166+/-1.539 χ^2/NDF: 855.5/21

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

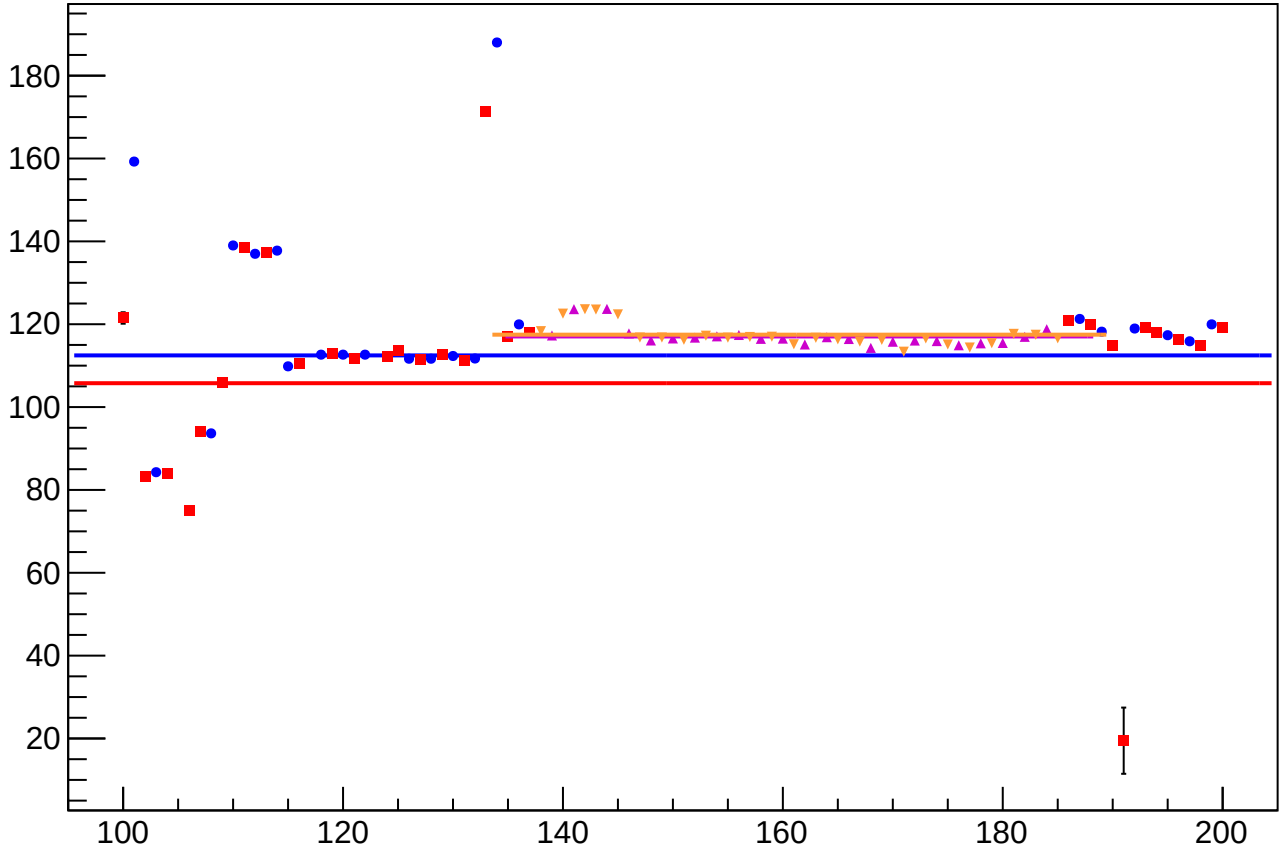
Right: -71.453+/-1.037 χ^2/NDF: 2024.1/49

In: -78.623+/-0.743 χ^2/NDF:1559.3/44

Out: -75.351+/-0.707 χ^2/NDF:2062.4/52

All: -76.906+/-0.512 χ^2/NDF: 3631.9/97

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 112.473+/-0.075 χ^2/NDF: 85561.9/21

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

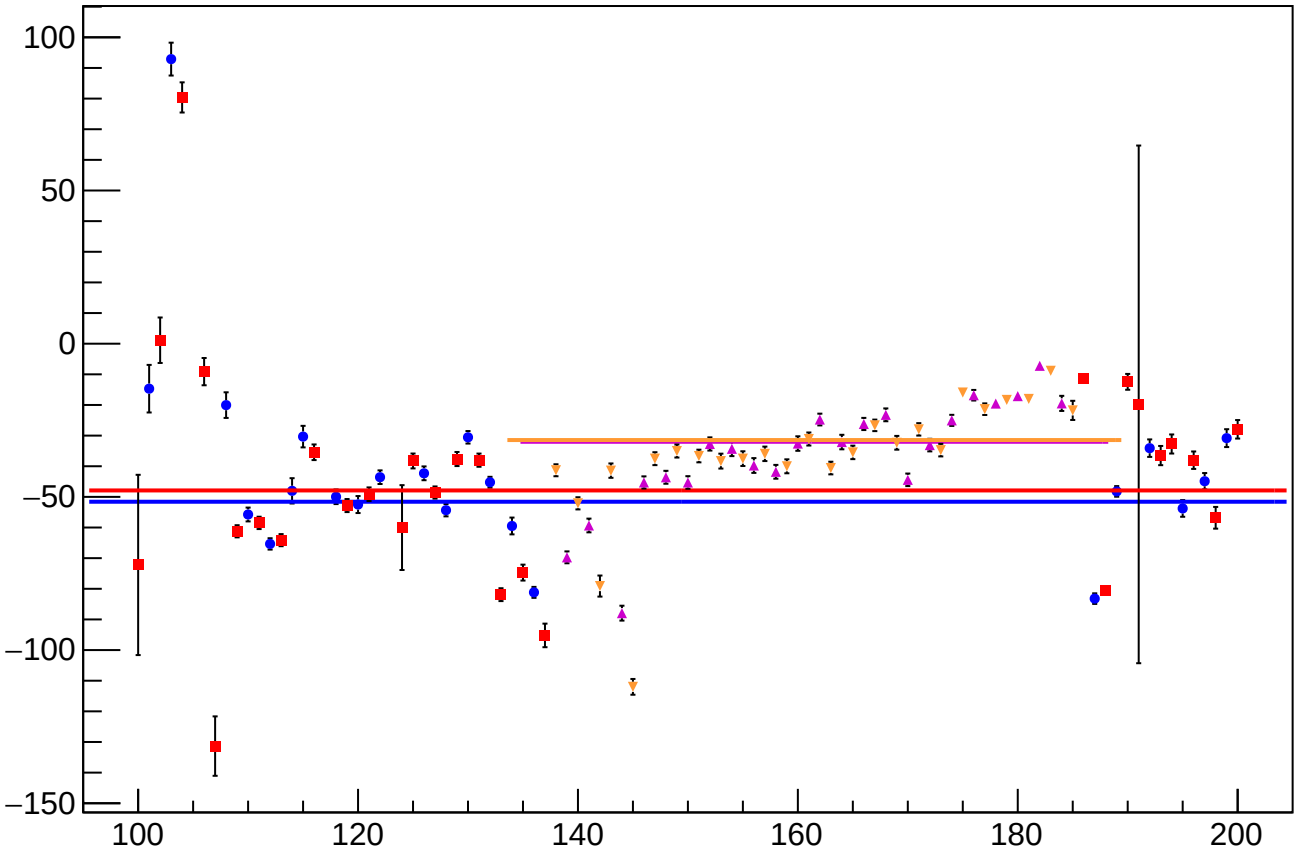
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 108.826+/-0.051 χ^2/NDF: 165063.5/49

In: 116.092+/-0.034 χ^2/NDF:91831.4/44

Out: 114.745+/-0.033 χ^2/NDF:102066.0/52

All: 115.397+/-0.024 χ^2/NDF: 194690.8/97



Right In: -51.584+/-0.508 χ^2/NDF: 1768.3/21

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

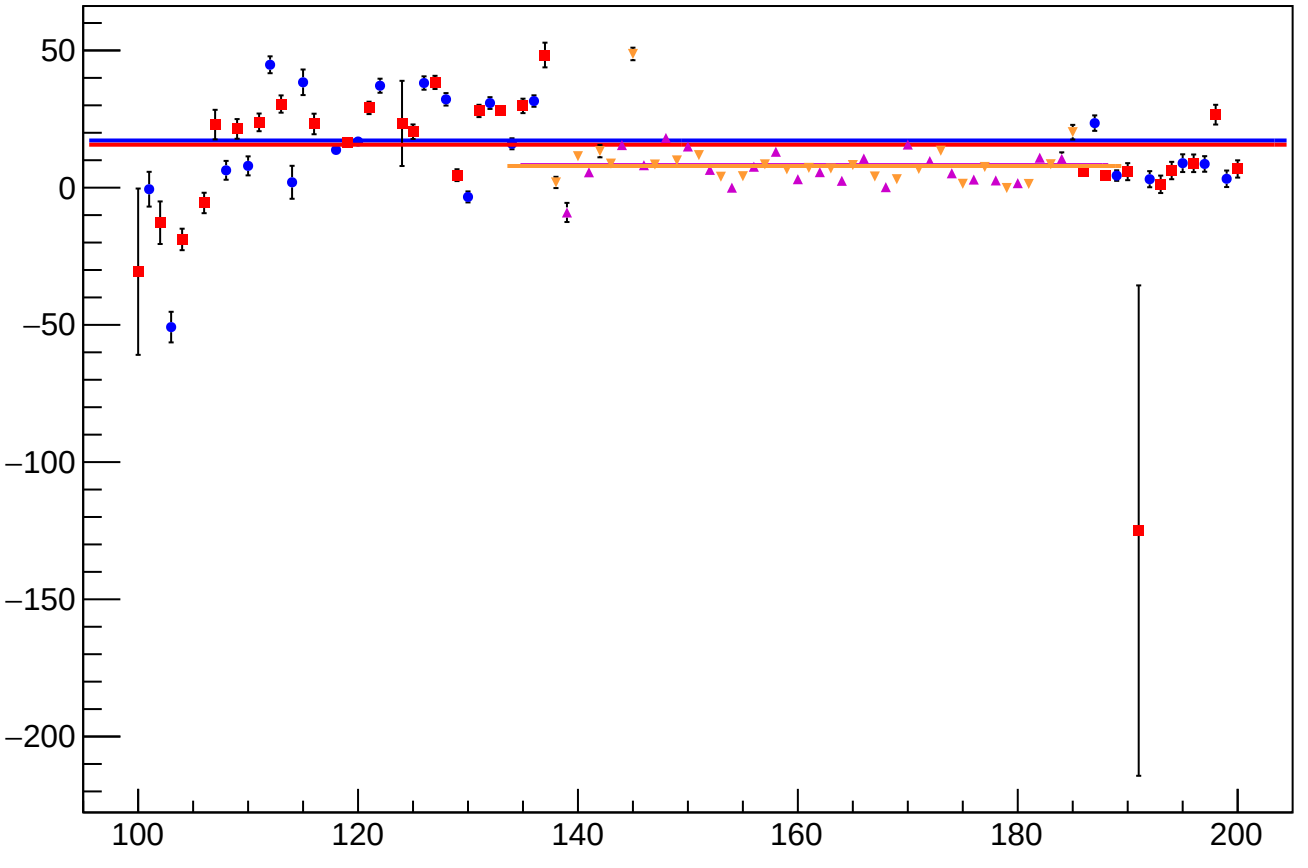
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.455+/-0.330 χ^2/NDF: 5981.1/49

In: -39.712+/-0.319 χ^2/NDF:4581.7/44

Out: -38.974+/-0.294 χ^2/NDF:6952.0/52

All: -39.313+/-0.216 χ^2/NDF: 11536.6/97



Right In: 17.189+/-0.533 χ^2/NDF: 768.0/21

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

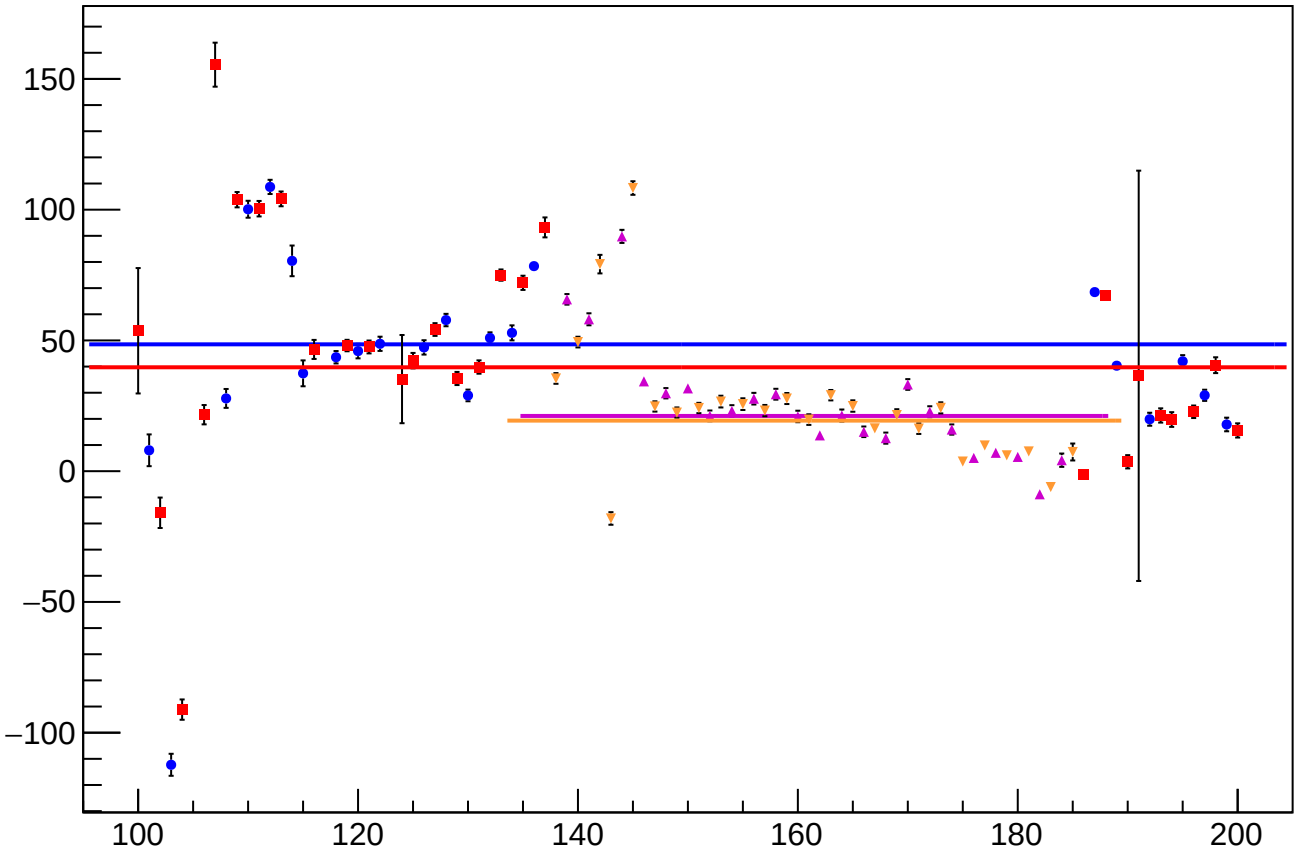
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 16.345+/-0.358 χ^2/NDF: 1454.6/49

In: 10.546+/-0.272 χ^2/NDF:1316.0/44

Out: 10.095+/-0.257 χ^2/NDF:1357.2/52

All: 10.308+/-0.187 χ^2/NDF: 2674.7/97



Right In: 48.506+/-0.518 χ^2/NDF: 3285.3/21

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

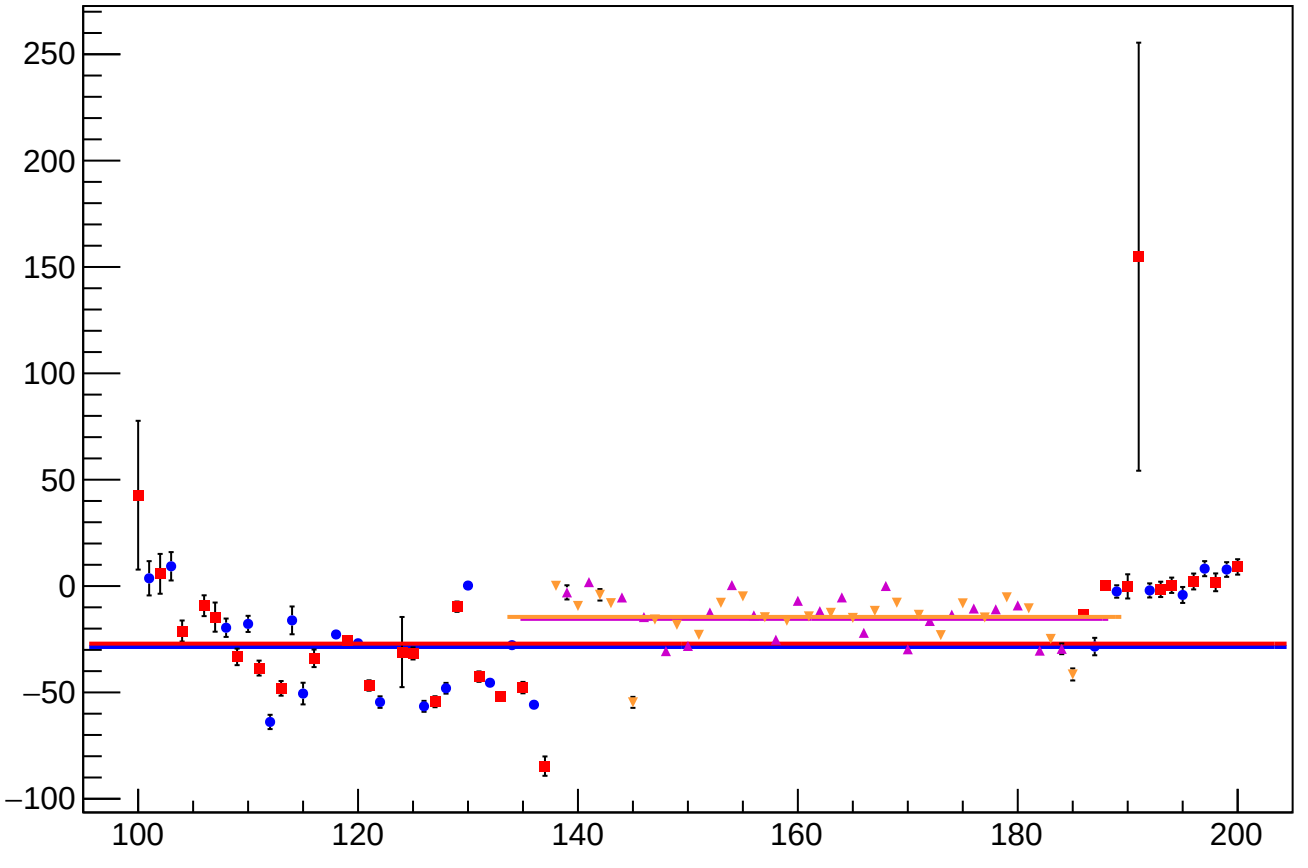
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 43.167+/-0.324 χ^2/NDF: 10951.9/49

In: 31.511+/-0.319 χ^2/NDF:7526.0/44

Out: 29.034+/-0.286 χ^2/NDF:11437.6/52

All: 30.140+/-0.213 χ^2/NDF: 18996.9/97



Right In: -28.637+/-0.627 χ^2/NDF: 1263.7/21

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

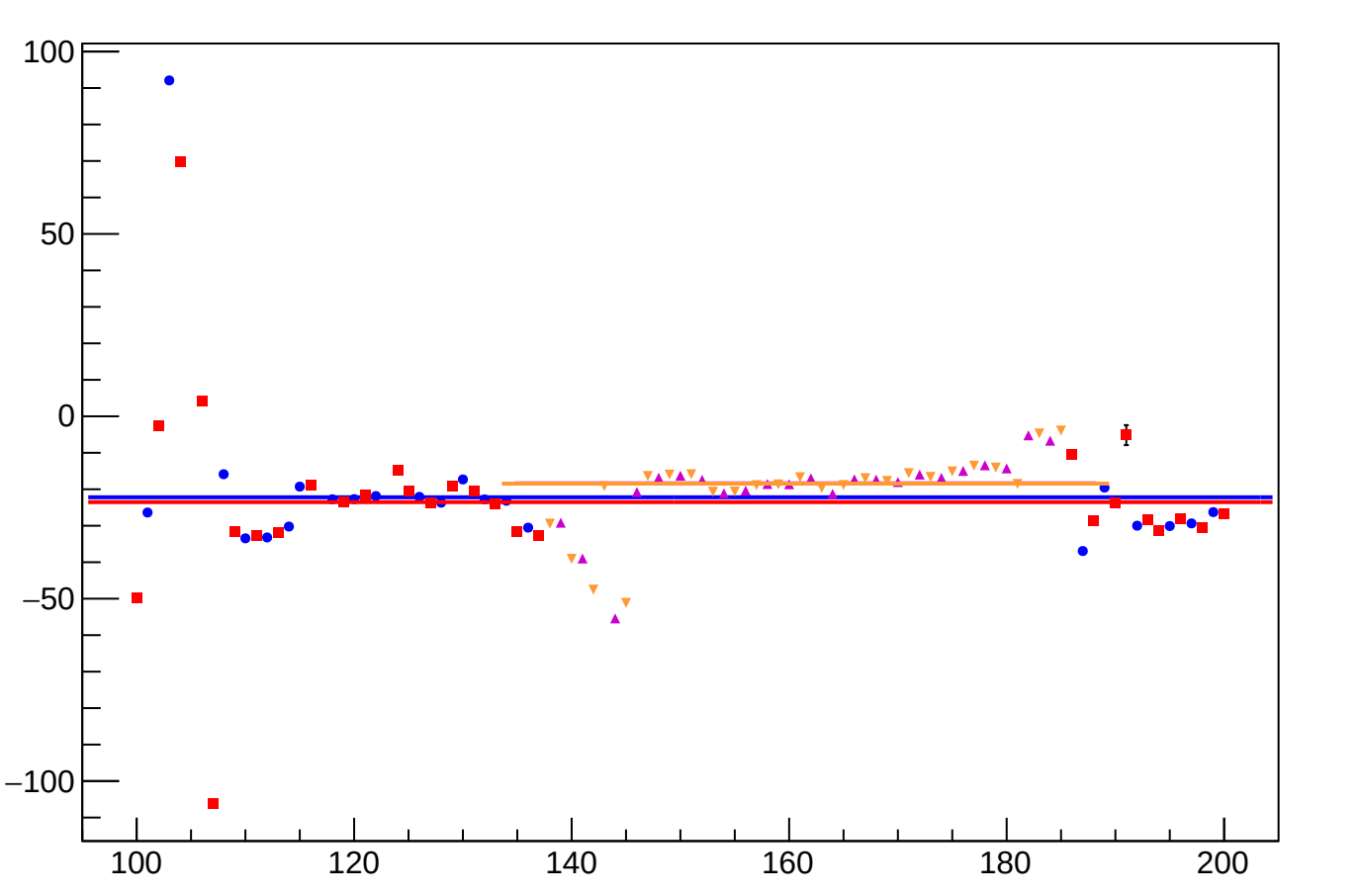
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -27.806+/-0.430 χ^2/NDF: 2591.8/49

In: -18.629+/-0.309 χ^2/NDF:2398.8/44

Out: -17.684+/-0.297 χ^2/NDF:2303.8/52

All: -18.138+/-0.214 χ^2/NDF: 4707.4/97



Right In: -22.192+/-0.032 χ^2/NDF: 456543.0/21

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

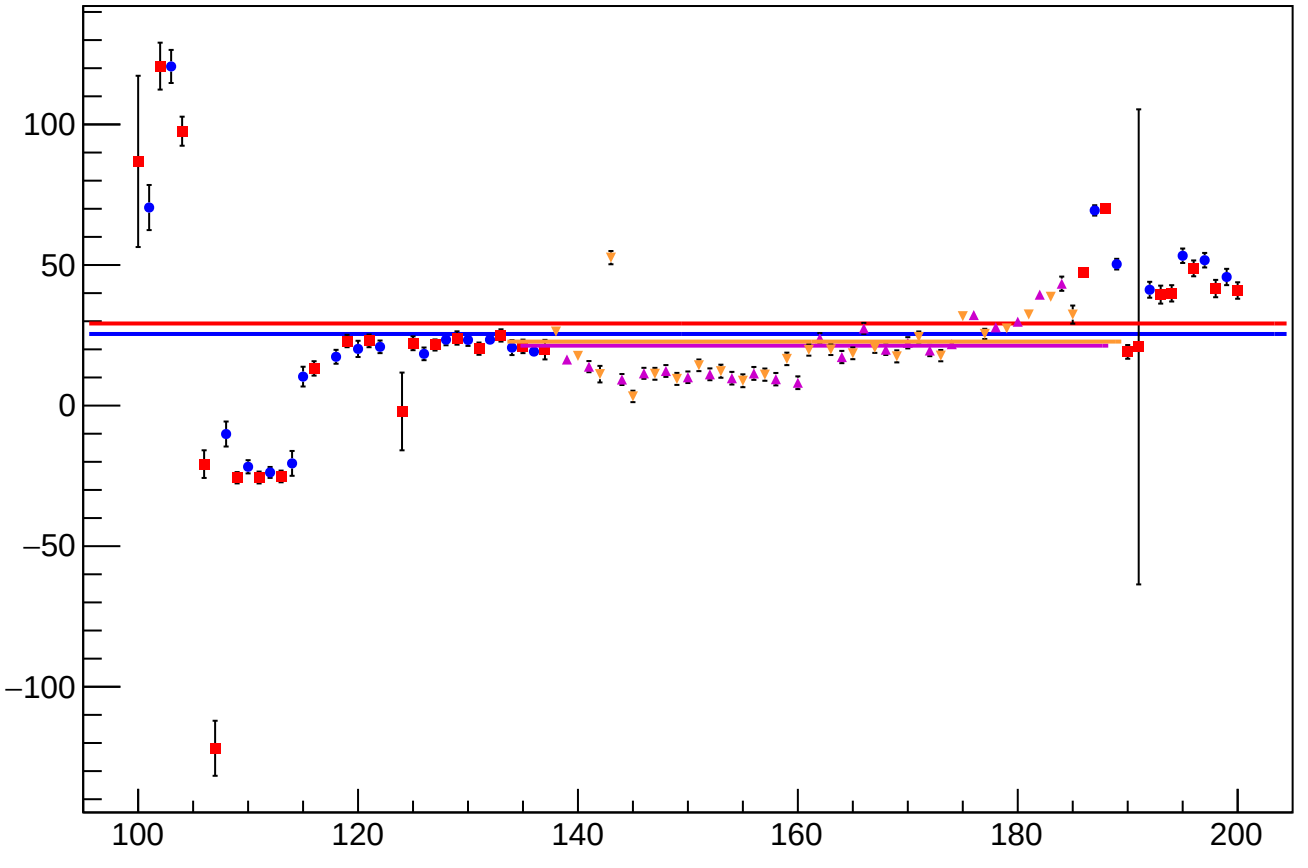
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.893+/-0.022 χ^2/NDF: 835705.7/49

In: -19.108+/-0.014 χ^2/NDF:717801.5/44

Out: -19.473+/-0.014 χ^2/NDF:695312.9/52

All: -19.295+/-0.010 χ^2/NDF: 1413454.9/97



Right In: 25.471+/-0.516 χ^2/NDF: 2618.3/21

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

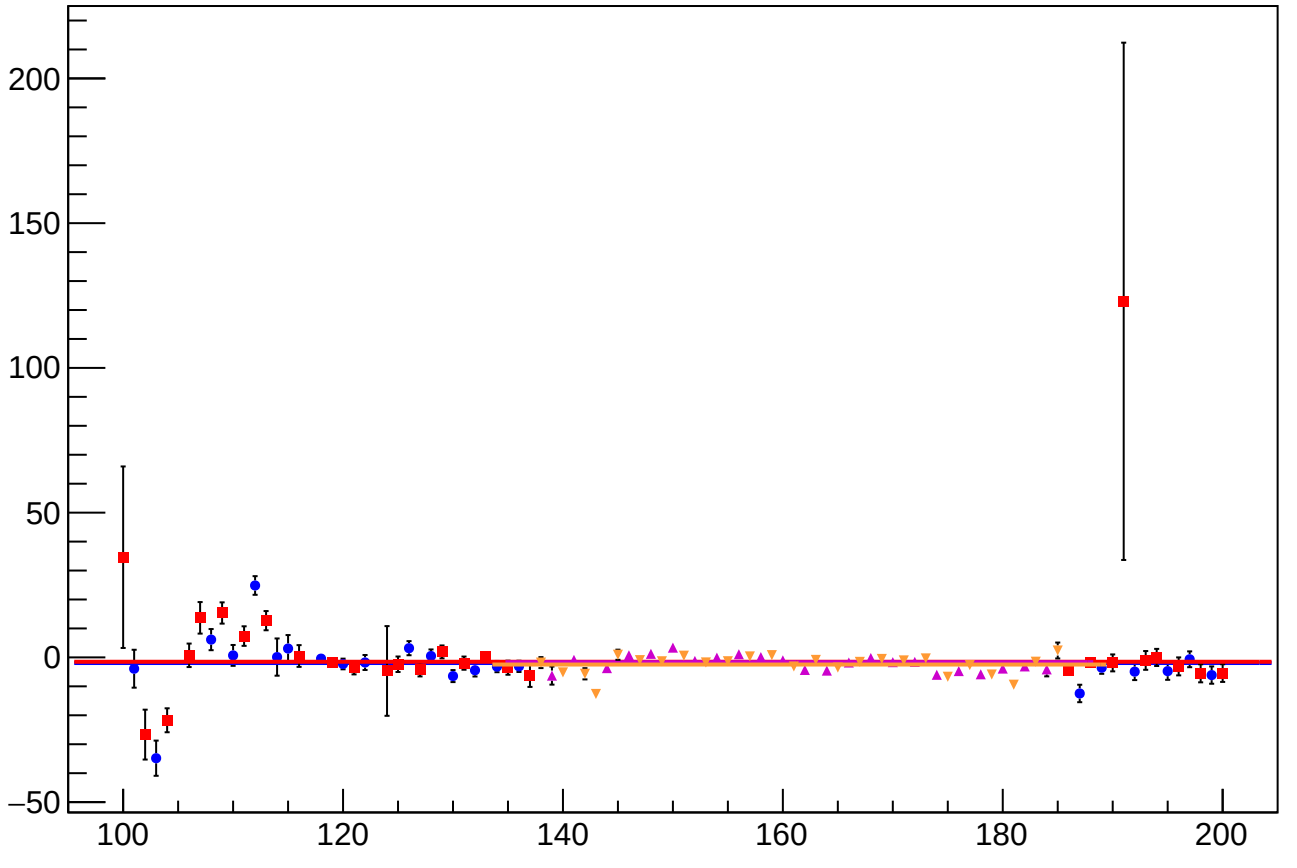
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 27.571+/-0.341 χ^2/NDF: 7287.0/49

In: 22.848+/-0.312 χ^2/NDF:3289.1/44

Out: 25.438+/-0.293 χ^2/NDF:5479.4/52

All: 24.227+/-0.214 χ^2/NDF: 8805.2/97



Right In: -1.944+/-0.541 χ^2/NDF: 135.6/21

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

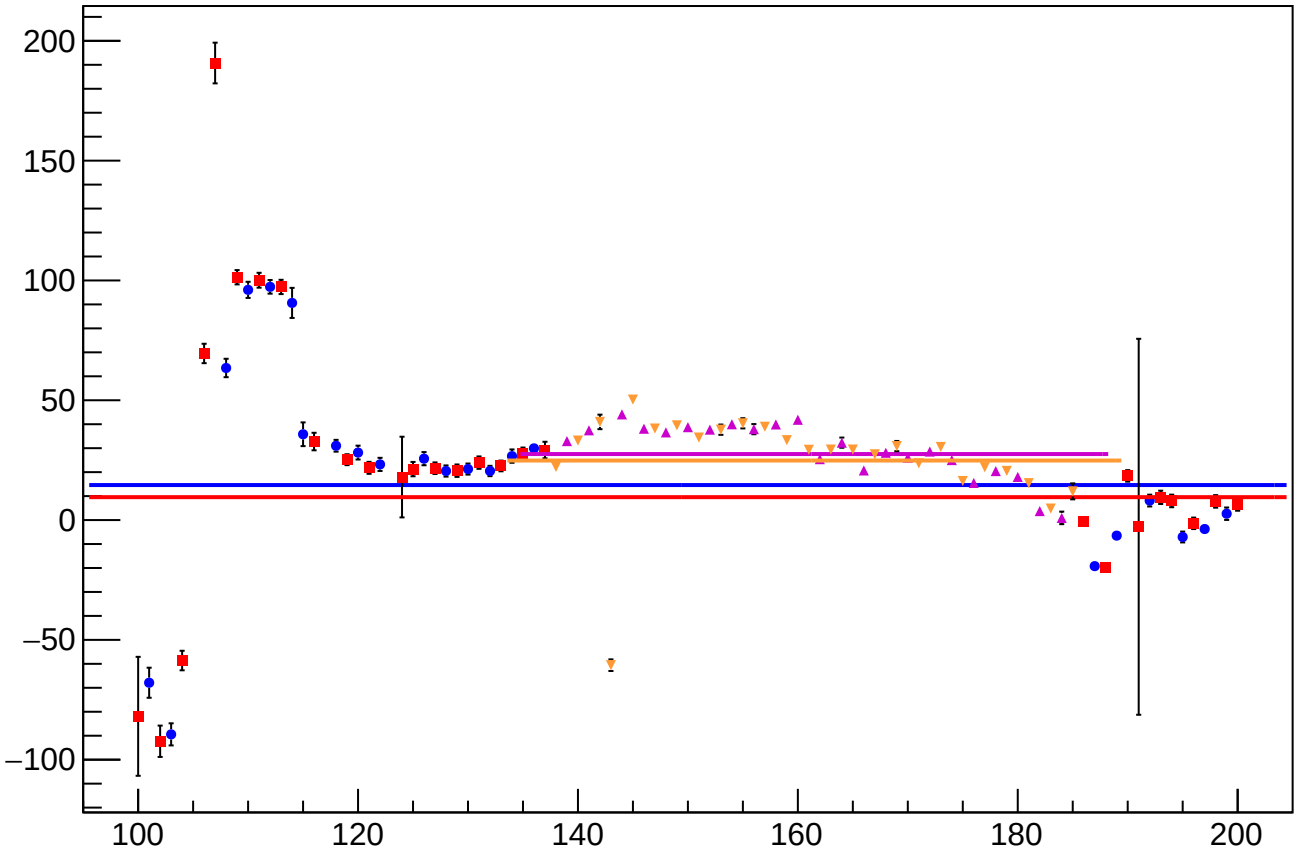
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.711+/-0.368 χ^2/NDF: 241.2/49

In: -1.728+/-0.265 χ^2/NDF:206.0/44

Out: -2.225+/-0.253 χ^2/NDF:224.7/52

All: -1.988+/-0.183 χ^2/NDF: 432.5/97



Right In: 14.614+/-0.528 χ^2/NDF: 3520.8/21

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

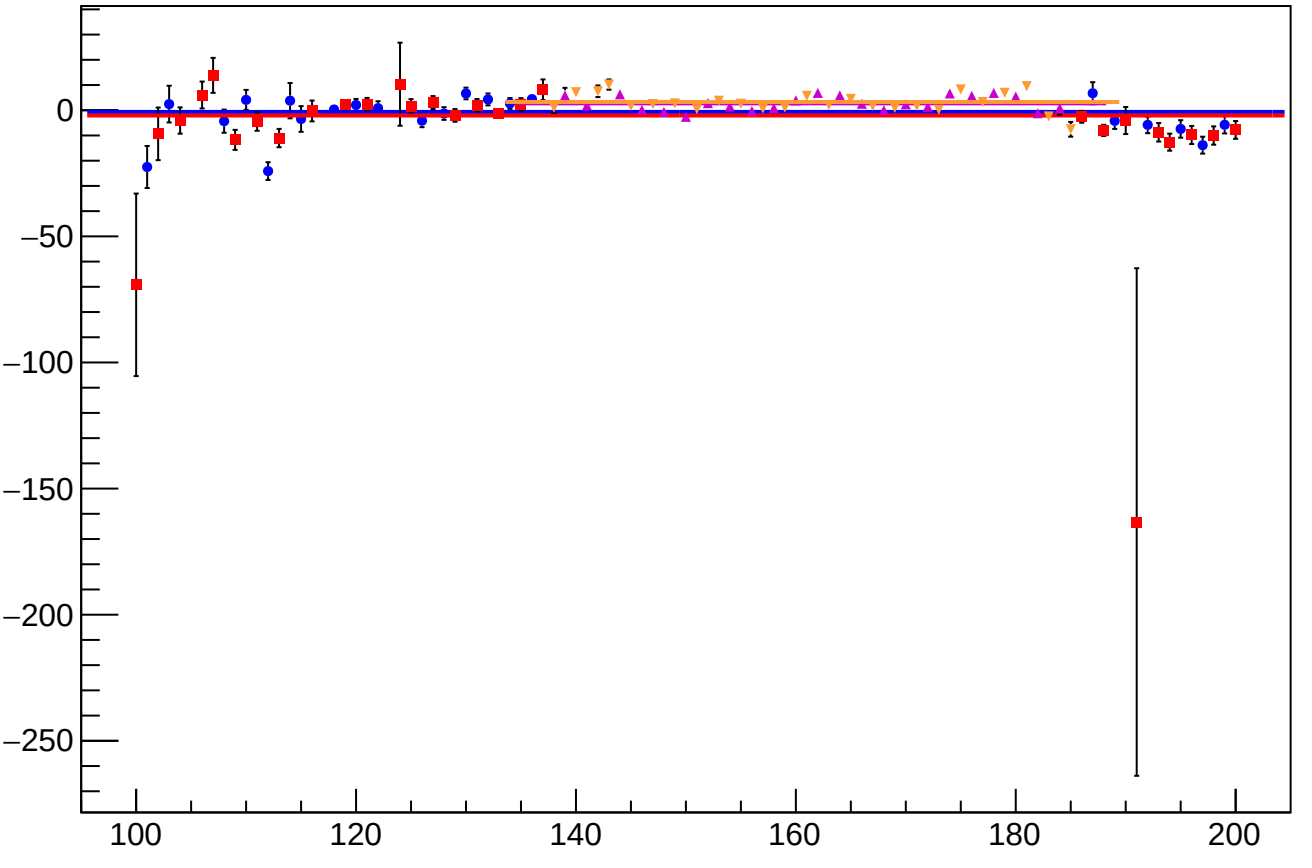
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.640+/-0.338 χ^2/NDF: 9055.6/49

In: 22.997+/-0.313 χ^2/NDF:4792.3/44

Out: 18.343+/-0.288 χ^2/NDF:8219.3/52

All: 20.475+/-0.212 χ^2/NDF: 13131.4/97



Right In: -0.657+/-0.631 χ^2/NDF: 109.7/21

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

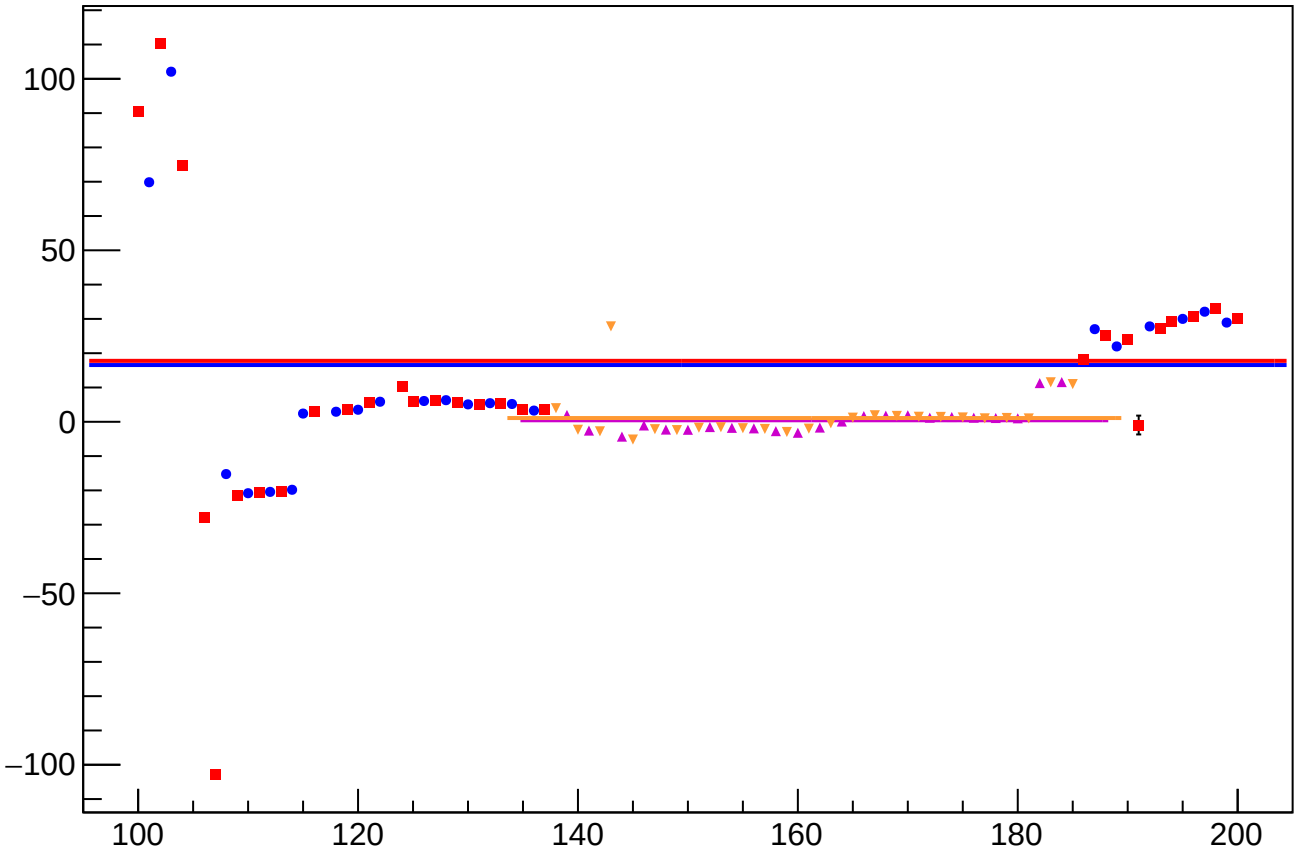
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.396+/-0.437 χ^2/NDF: 198.4/49

In: 1.960+/-0.301 χ^2/NDF:206.5/44

Out: 2.056+/-0.291 χ^2/NDF:252.5/52

All: 2.009+/-0.209 χ^2/NDF: 459.1/97



Right In: 16.547+/-0.032 χ^2/NDF: 439567.8/21

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

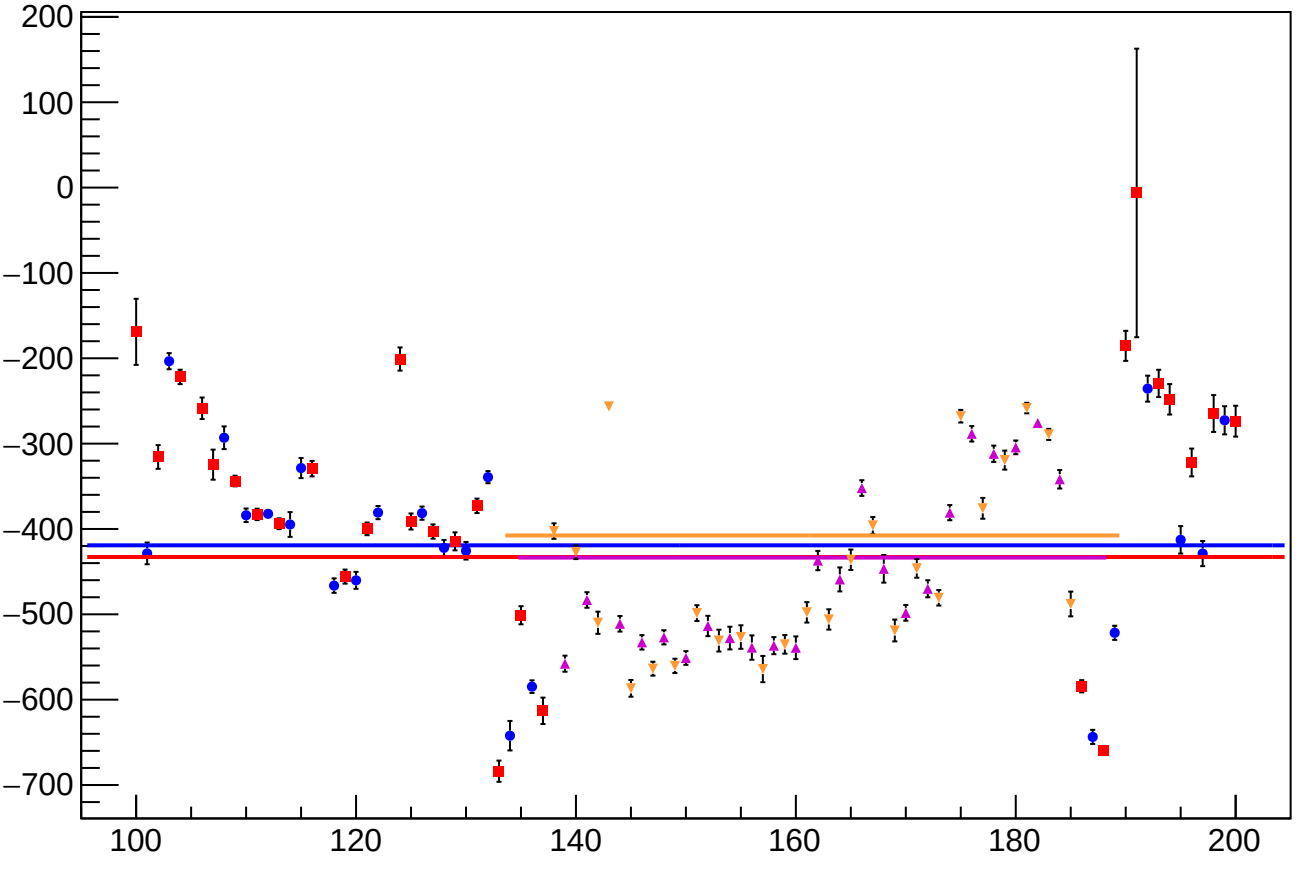
Right: 17.185+/-0.022 χ^2/NDF: 1035746.3/49

In: 3.392+/-0.014 χ^2/NDF:701687.8/44

Out: 4.268+/-0.013 χ^2/NDF:964648.0/52

All: 3.839+/-0.010 χ^2/NDF: 1668441.8/97

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -419.164+/-2.018 χ^2/NDF: 2731.7/21

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

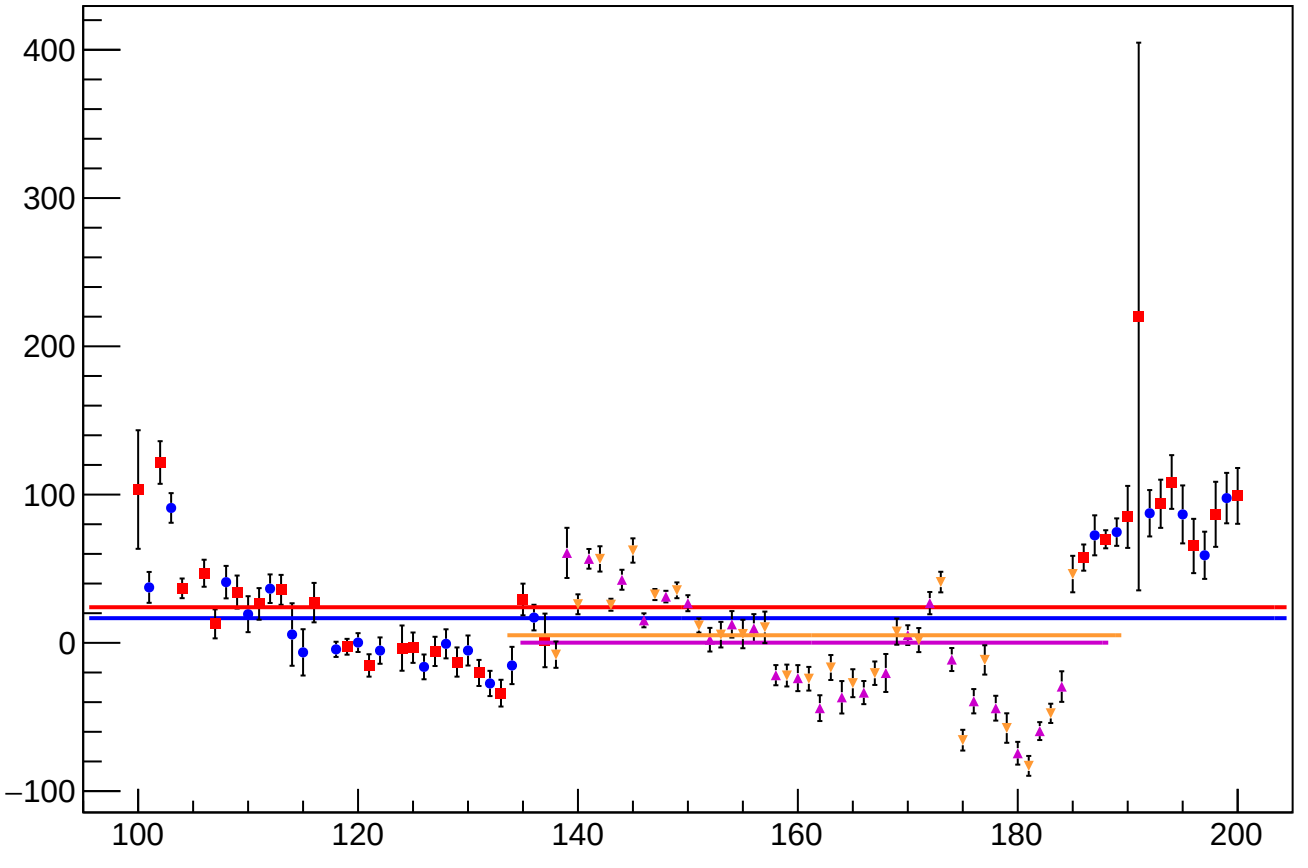
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -426.822+/-1.339 χ^2/NDF: 8926.1/49

In: -426.435+/-1.418 χ^2/NDF:5481.9/44

Out: -420.773+/-1.292 χ^2/NDF:10269.4/52

All: -423.342+/-0.955 χ^2/NDF: 15760.0/97



Right In: 16.647+/-2.102 χ^2/NDF: 276.5/21

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

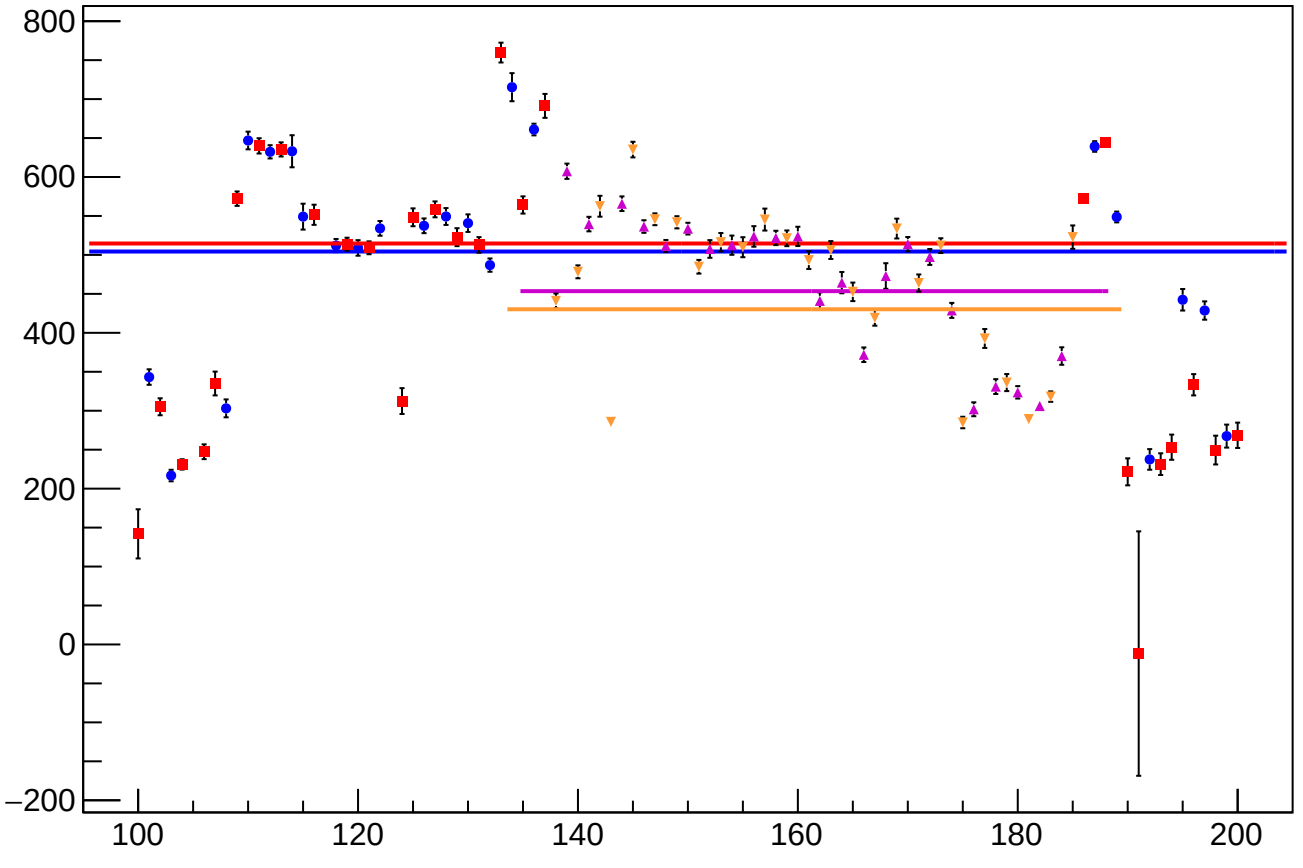
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 20.620+/-1.428 χ^2/NDF: 650.6/49

In: 5.646+/-1.215 χ^2/NDF:886.2/44

Out: 11.439+/-1.125 χ^2/NDF:1119.4/52

All: 8.766+/-0.826 χ^2/NDF: 2017.9/97



Right In: 504.347+/-2.103 χ^2/NDF: 4293.7/21

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

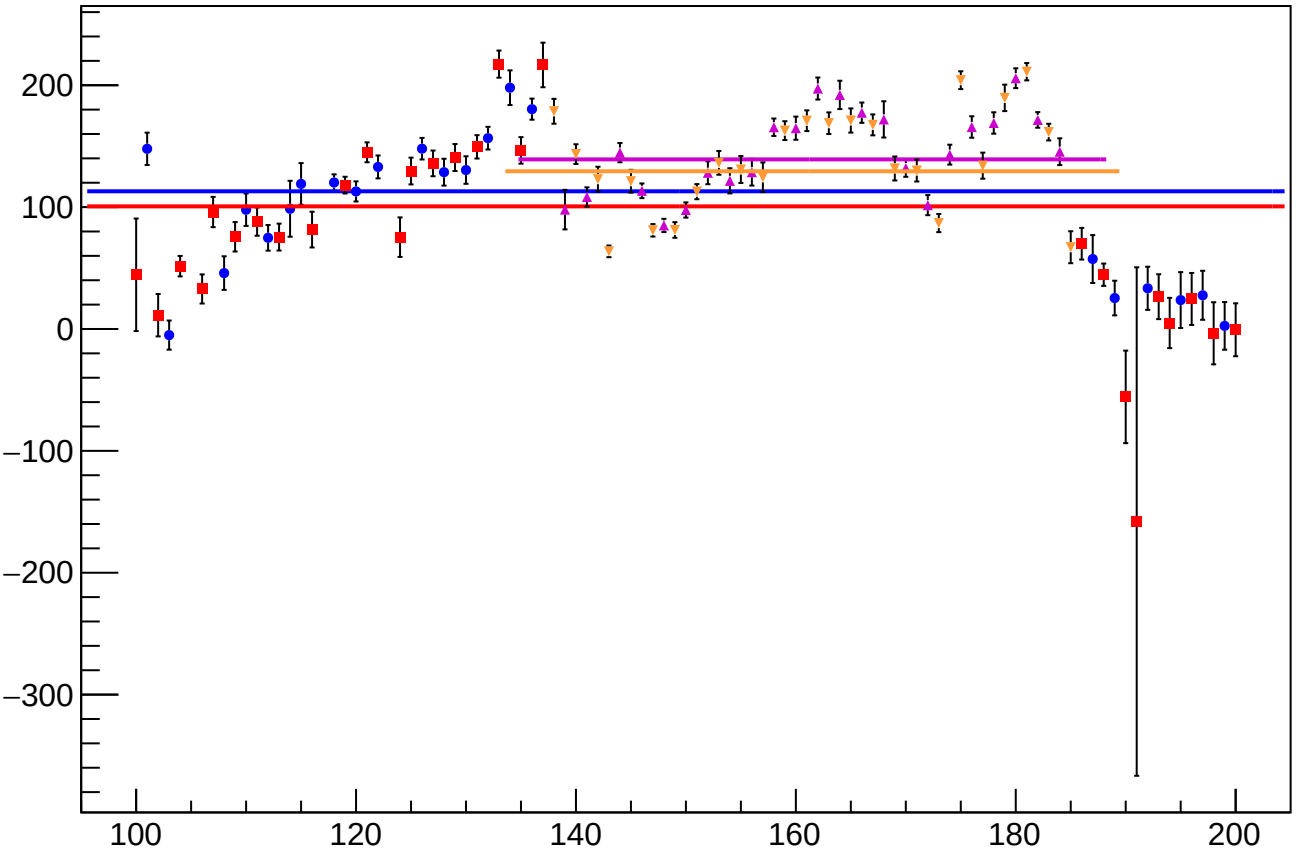
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 510.300+/-1.367 χ^2/NDF: 11701.2/49

In: 477.311+/-1.439 χ^2/NDF:7024.2/44

Out: 473.895+/-1.293 χ^2/NDF:11862.7/52

All: 475.421+/-0.962 χ^2/NDF: 18890.0/97



Right In: 112.979+/-2.480 χ^2/NDF: 418.2/21

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

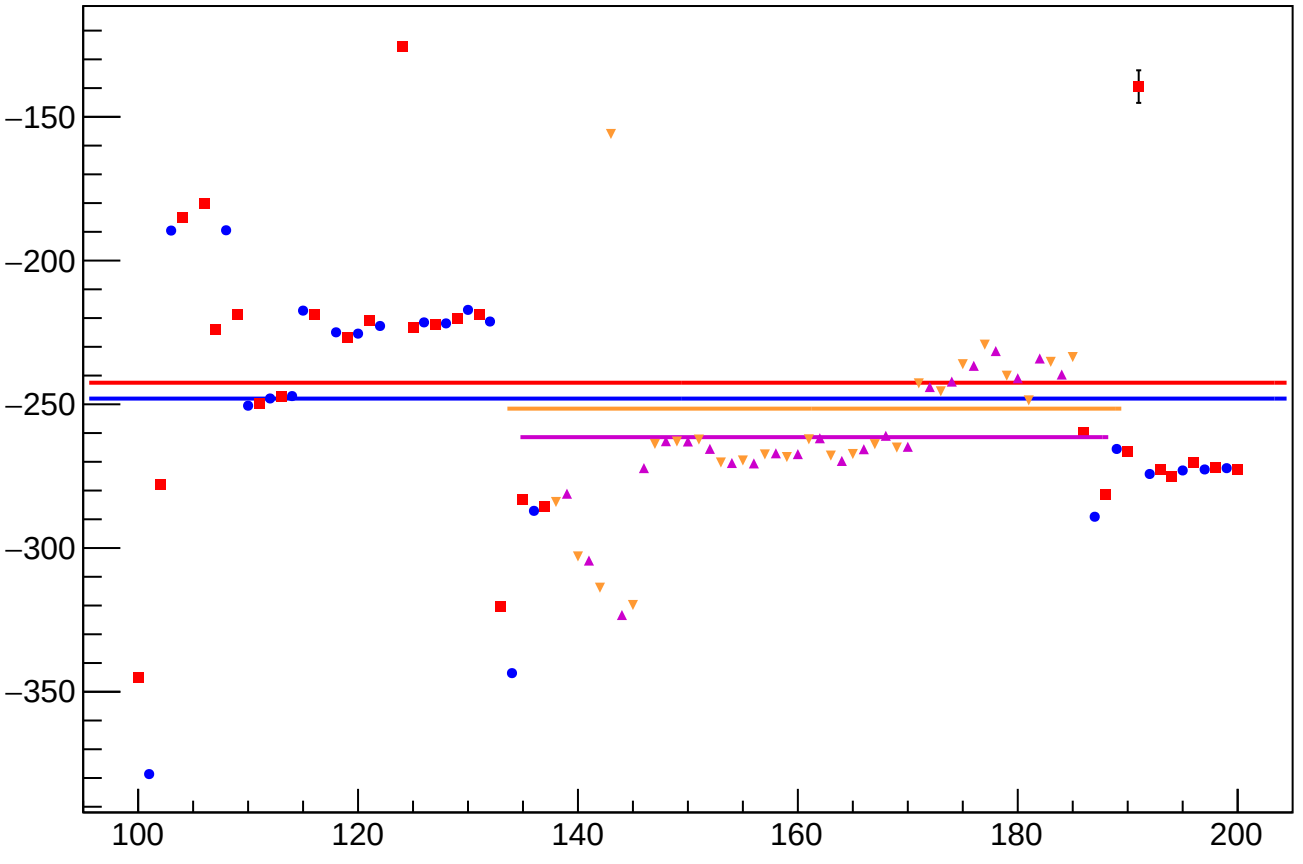
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 106.410+/-1.698 χ^2/NDF: 952.2/49

In: 130.759+/-1.405 χ^2/NDF:928.1/44

Out: 120.247+/-1.315 χ^2/NDF:1439.2/52

All: 125.155+/-0.960 χ^2/NDF: 2397.1/97



Right In: -248.011+/-0.132 χ^2/NDF: 145352.1/21

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

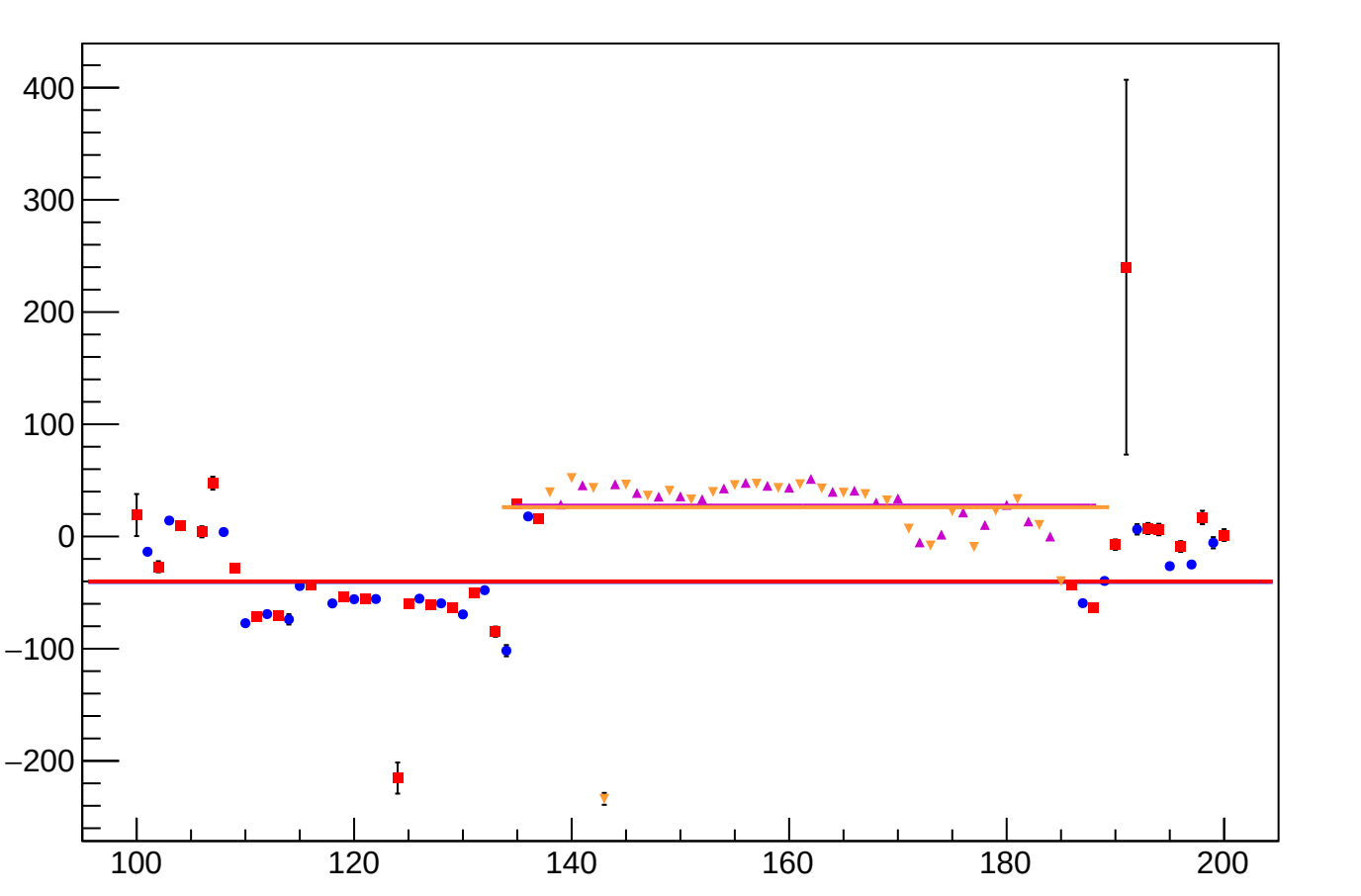
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -245.081+/-0.090 χ^2/NDF: 255541.9/49

In: -257.952+/-0.067 χ^2/NDF:222590.8/44

Out: -249.110+/-0.064 χ^2/NDF:368070.2/52

All: -253.319+/-0.046 χ^2/NDF: 599775.5/97



Right In: -40.481+/-0.648 χ^2/NDF: 2634.9/21

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.063+/-0.559 χ^2/NDF: 3147.8/27

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

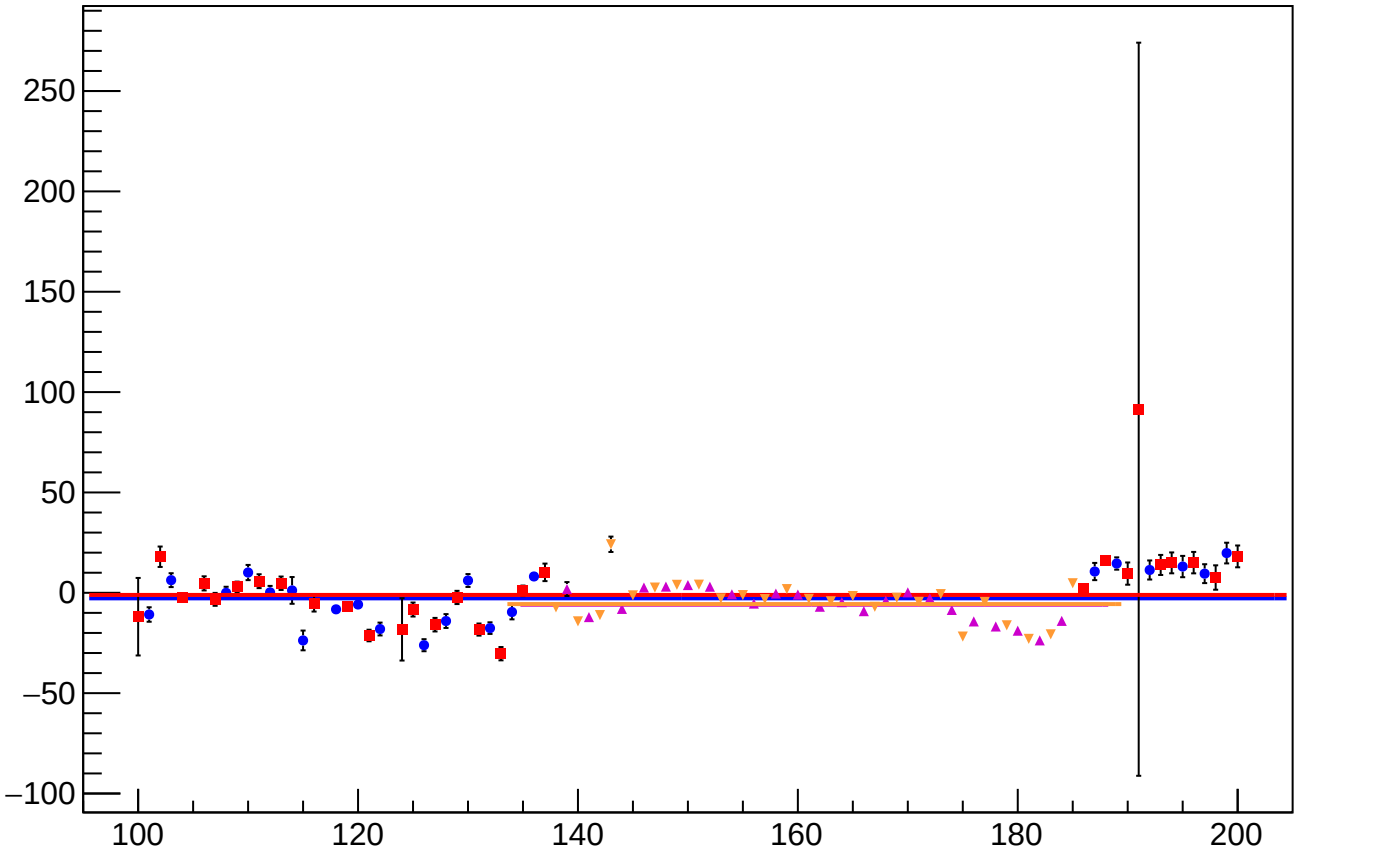
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.241+/-0.423 χ^2/NDF: 5782.9/49

In: 9.021+/-0.338 χ^2/NDF:12244.3/44

Out: 4.433+/-0.320 χ^2/NDF:17365.4/52

All: 6.600+/-0.232 χ^2/NDF: 29707.1/97



Right In: -2.767+/-0.692 χ^2/NDF: 297.4/21

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

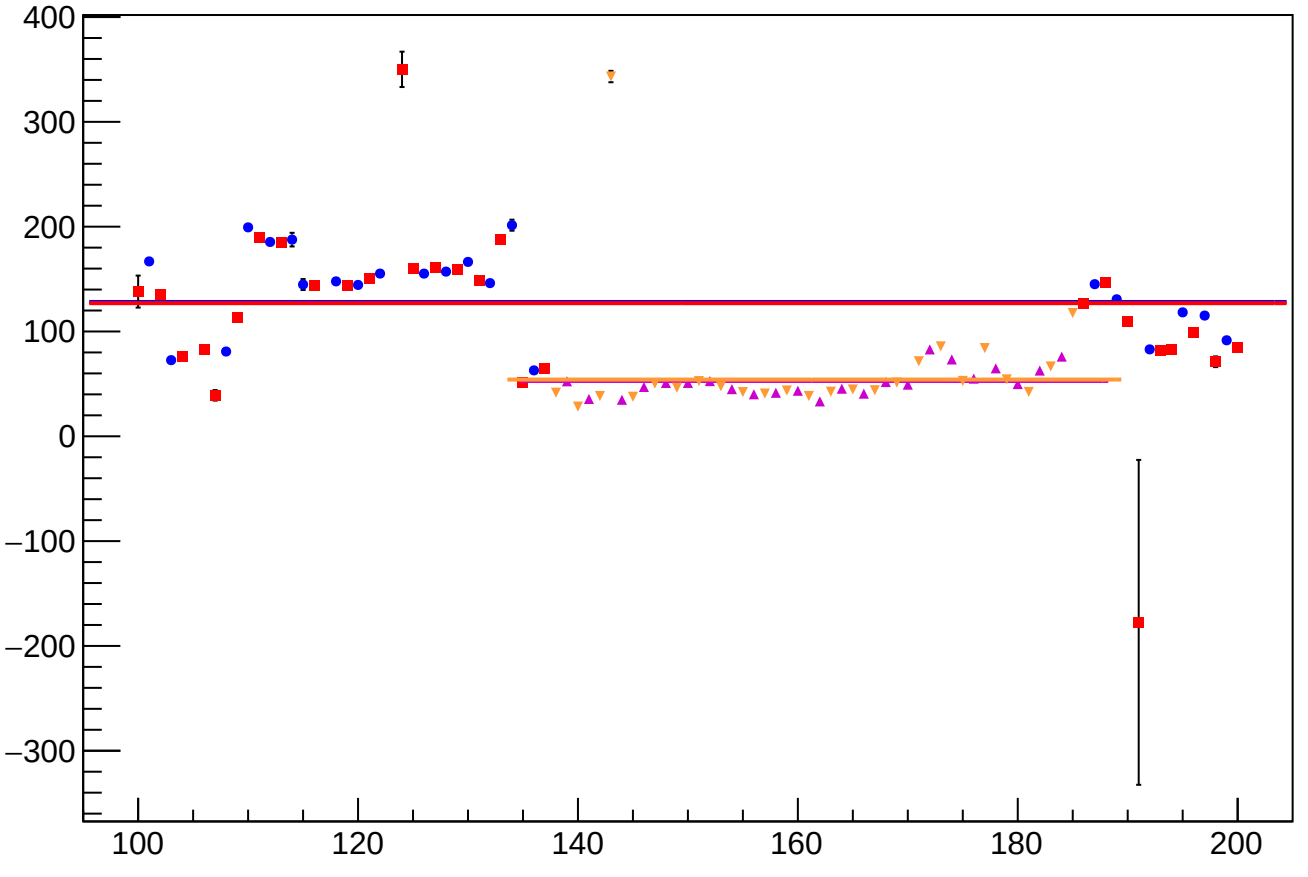
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.836+/-0.467 χ^2/NDF: 643.6/49

In: -5.413+/-0.282 χ^2/NDF:1027.2/44

Out: -4.780+/-0.273 χ^2/NDF:1278.6/52

All: -5.085+/-0.196 χ^2/NDF: 2308.4/97



Right In: 128.164+/-0.671 χ^2/NDF: 3904.7/21

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

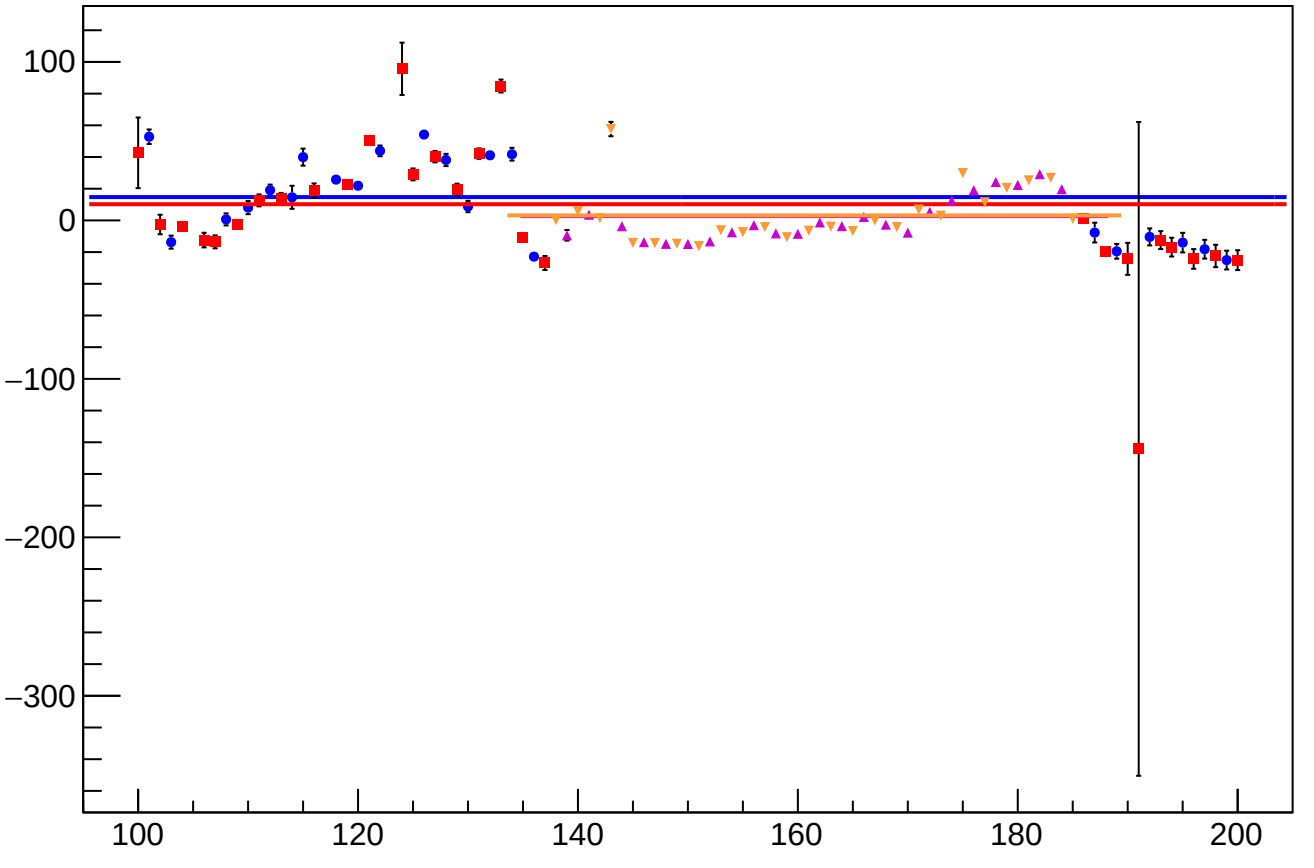
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 127.483+/-0.432 χ^2/NDF: 8152.8/49

In: 72.003+/-0.339 χ^2/NDF:14274.0/44

Out: 77.478+/-0.319 χ^2/NDF:20187.1/52

All: 74.904+/-0.232 χ^2/NDF: 34599.4/97



Right In: 14.721+/-0.805 χ^2/NDF: 1069.1/21

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

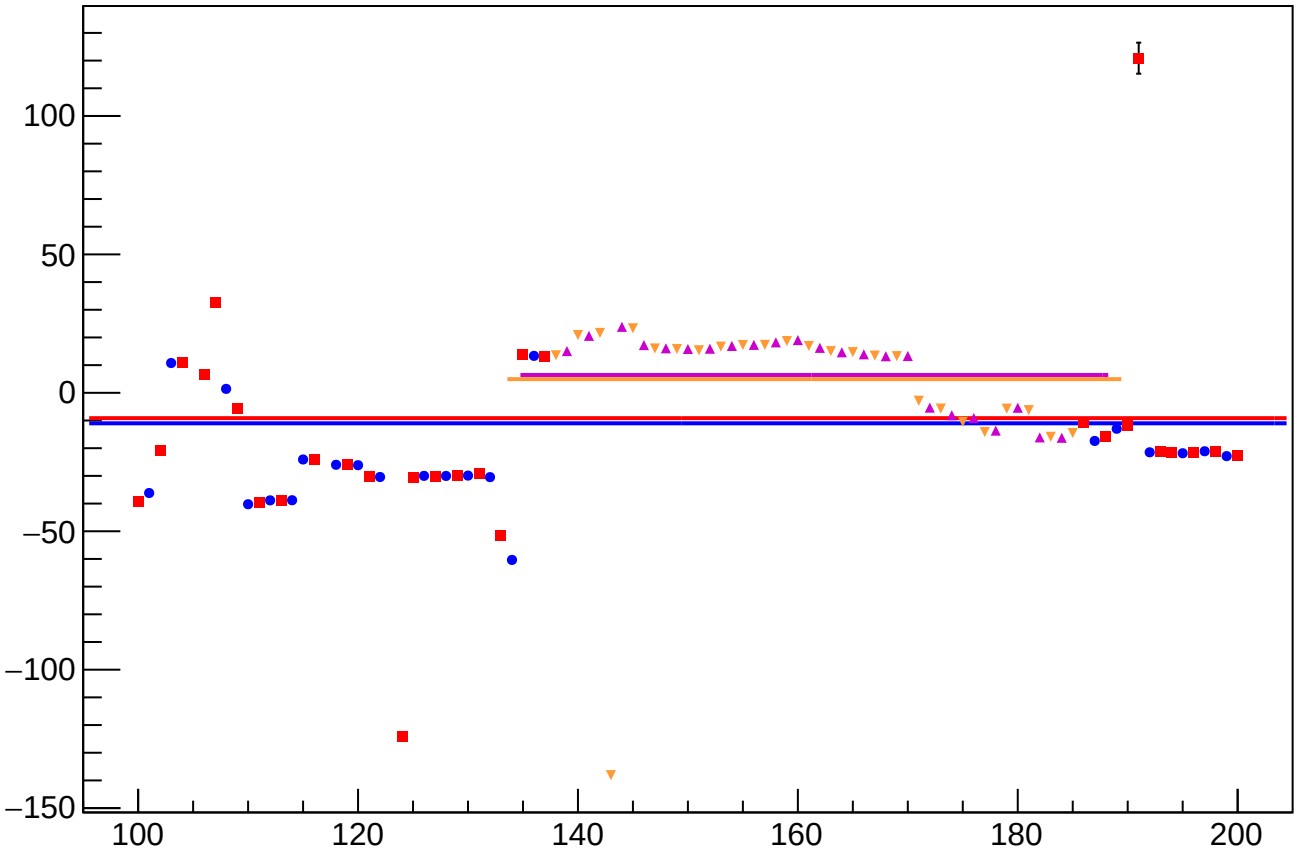
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 12.330+/-0.551 χ^2/NDF: 2310.3/49

In: 4.598+/-0.318 χ^2/NDF:2991.5/44

Out: 4.343+/-0.310 χ^2/NDF:3309.7/52

All: 4.467+/-0.222 χ^2/NDF: 6301.5/97



Right In: -11.012+/-0.040 χ^2/NDF: 286869.8/21

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

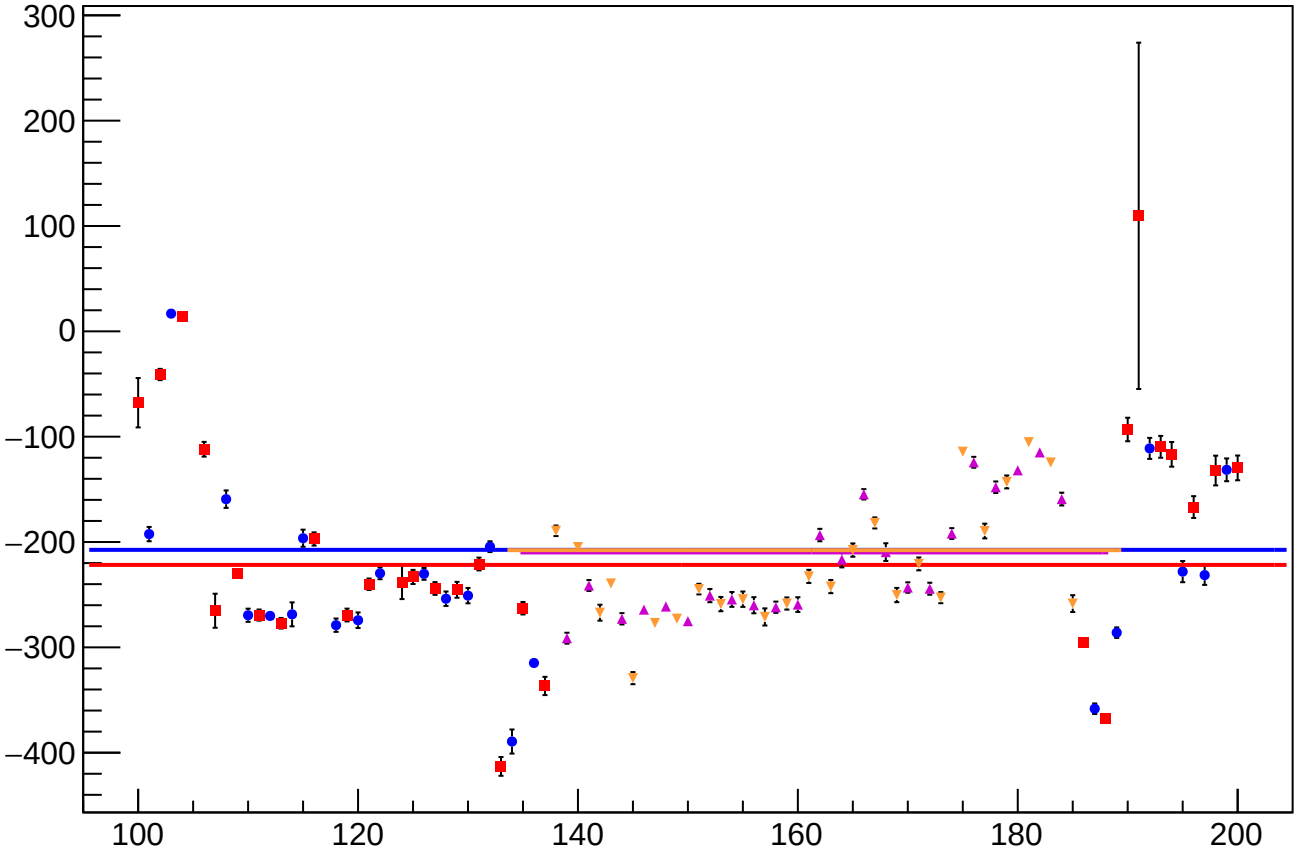
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -10.051+/-0.028 χ^2/NDF: 551665.1/49

In: 4.192+/-0.014 χ^2/NDF:1183721.4/44

Out: 3.040+/-0.014 χ^2/NDF:1516205.0/52

All: 3.609+/-0.010 χ^2/NDF: 2703198.8/97



Right In: -207.432+/-1.273 χ^2/NDF: 8667.1/21

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

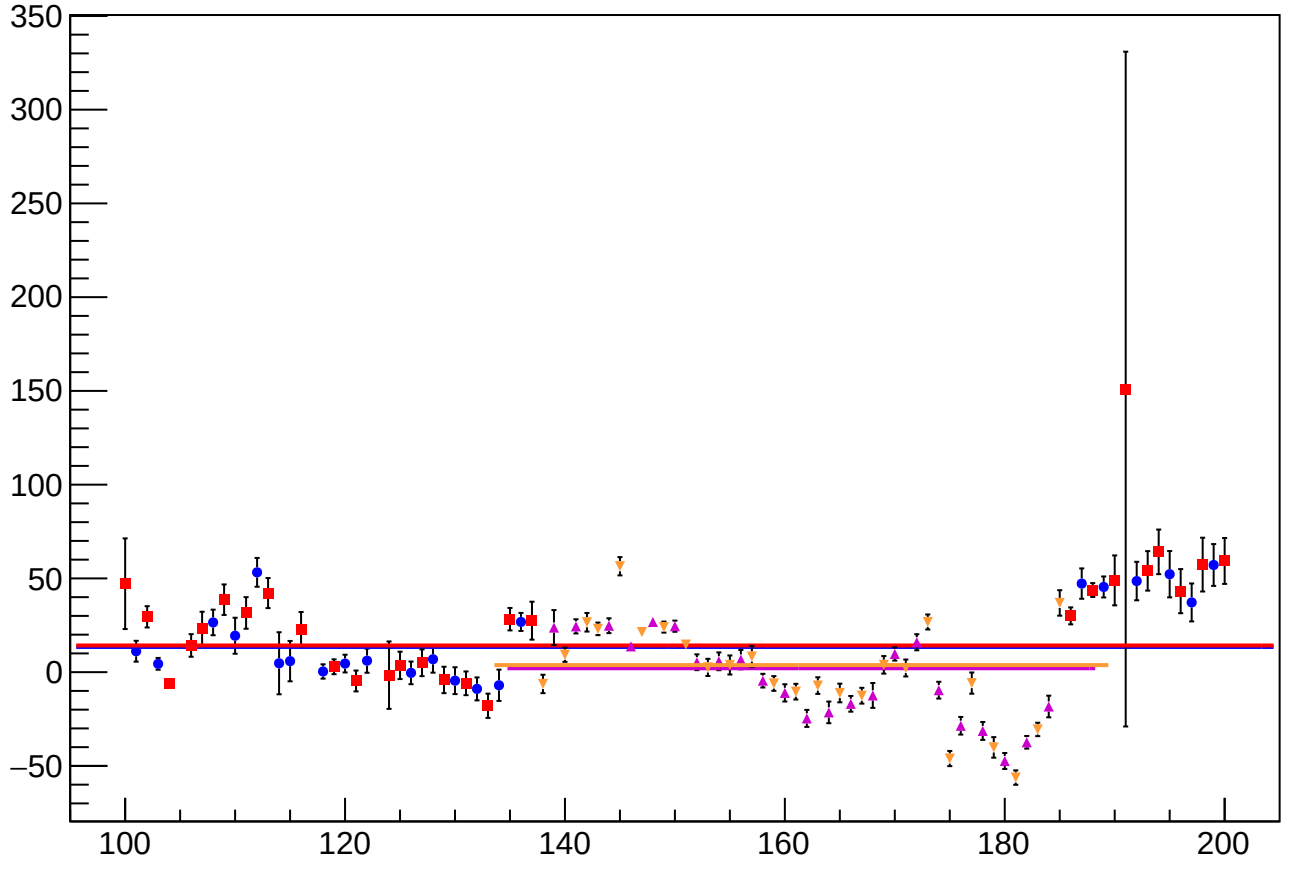
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -215.424+/-0.845 χ^2/NDF: 20805.8/49

In: -208.829+/-0.833 χ^2/NDF:11681.1/44

Out: -214.349+/-0.777 χ^2/NDF:15636.1/52

All: -211.781+/-0.568 χ^2/NDF: 27340.7/97



Right In: 13.454+/-1.331 χ^2/NDF: 188.5/21

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

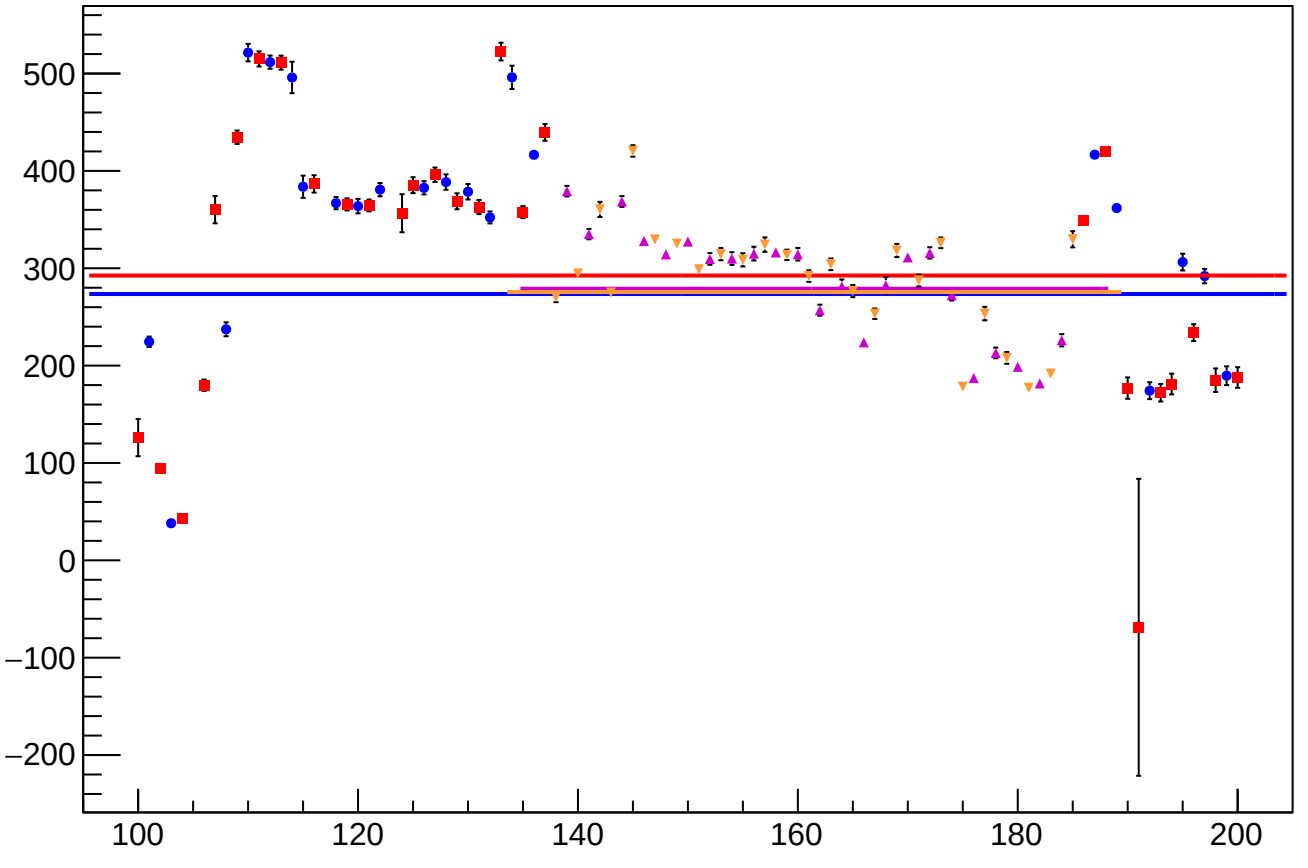
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 13.888+/-0.887 χ^2/NDF: 513.1/49

In: 5.209+/-0.698 χ^2/NDF:1011.6/44

Out: 6.958+/-0.656 χ^2/NDF:1350.4/52

All: 6.137+/-0.478 χ^2/NDF: 2365.3/97



Right In: 273.525+/-1.224 χ^2/NDF: 17495.4/21

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

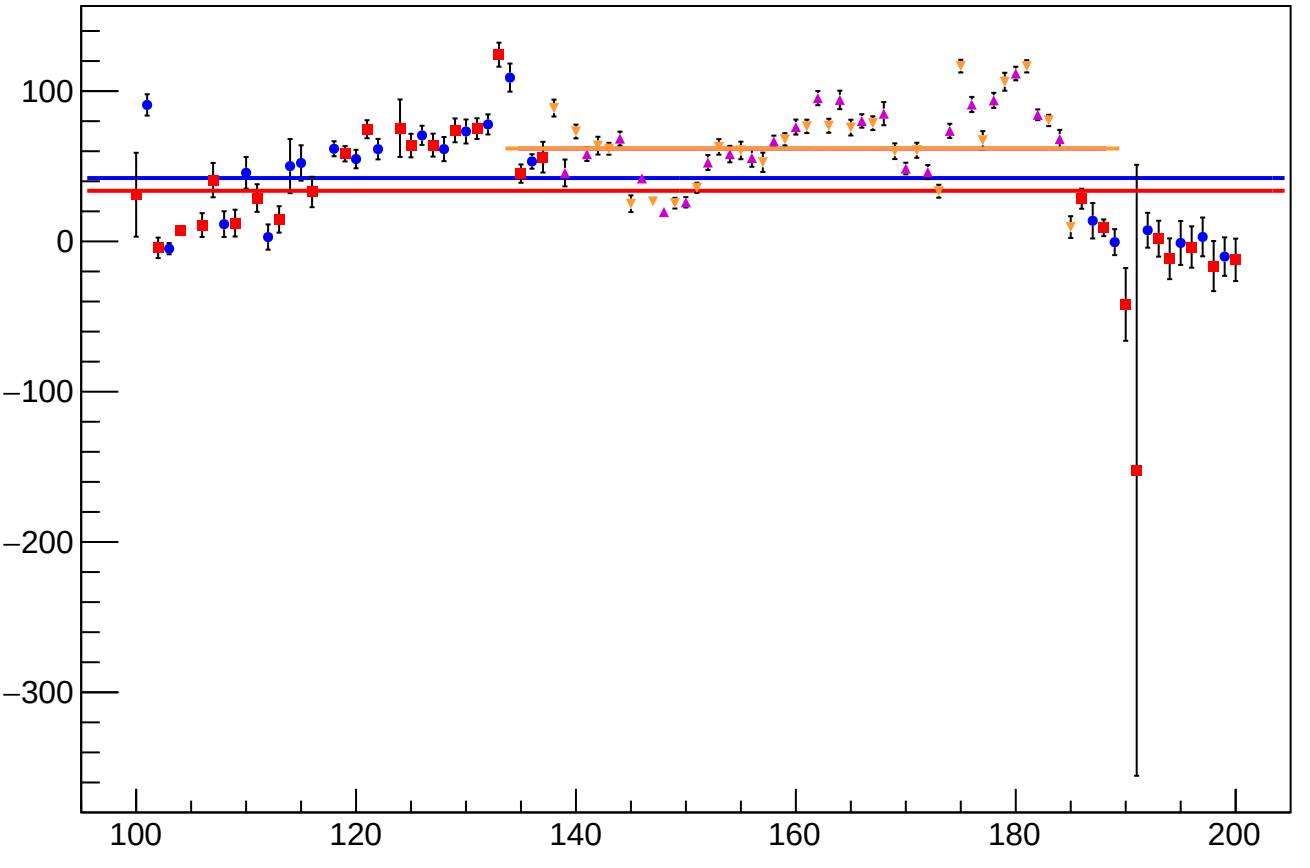
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 284.409+/-0.800 χ^2/NDF: 39352.9/49

In: 276.575+/-0.813 χ^2/NDF:20621.2/44

Out: 284.072+/-0.749 χ^2/NDF:25171.2/52

All: 280.633+/-0.551 χ^2/NDF: 45838.4/97



Right In: 42.157+/-1.573 χ^2/NDF: 468.0/21

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

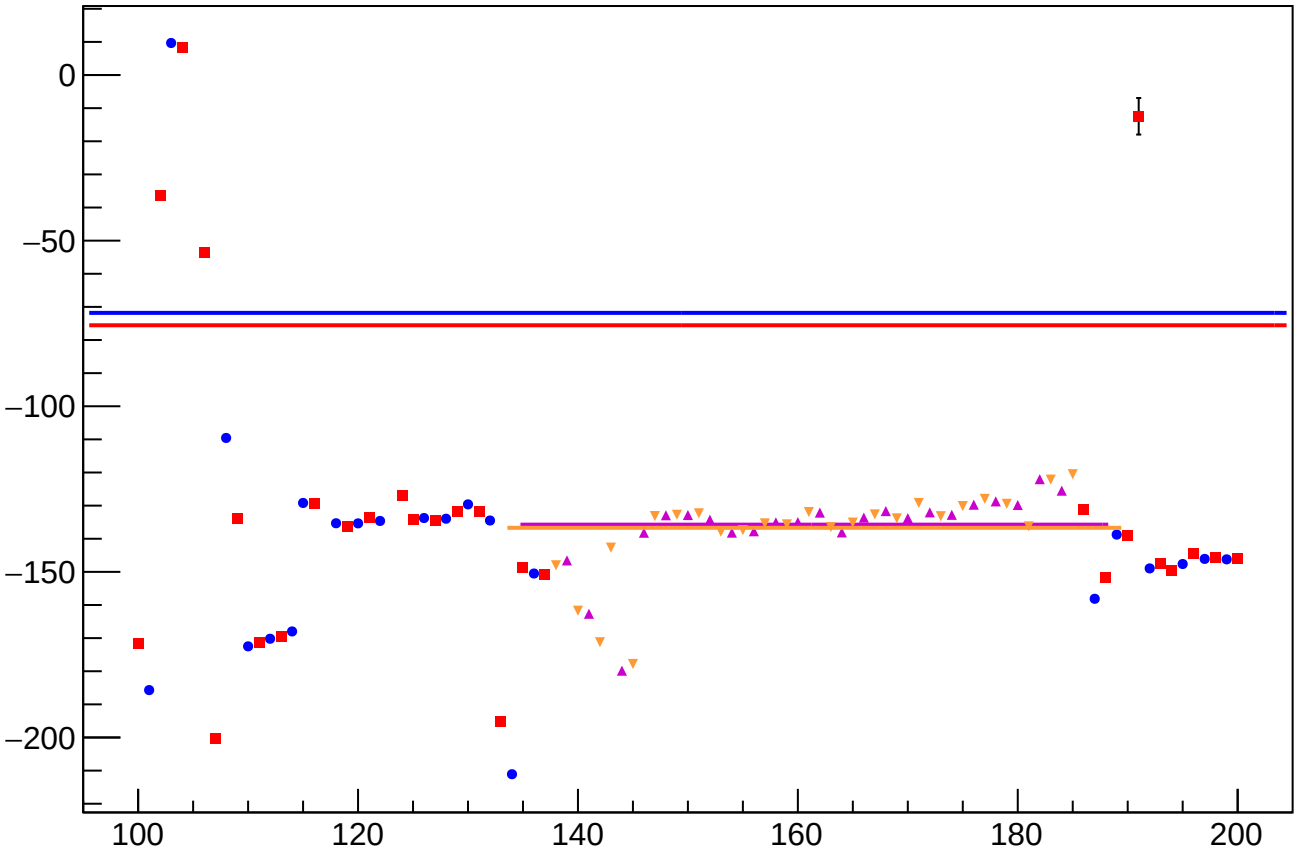
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 37.580+/-1.066 χ^2/NDF: 987.8/49

In: 56.613+/-0.806 χ^2/NDF:1318.6/44

Out: 53.901+/-0.769 χ^2/NDF:1734.0/52

All: 55.194+/-0.556 χ^2/NDF: 3058.6/97



Right In: -71.805+/-0.067 χ^2/NDF: 1441228.0/21

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

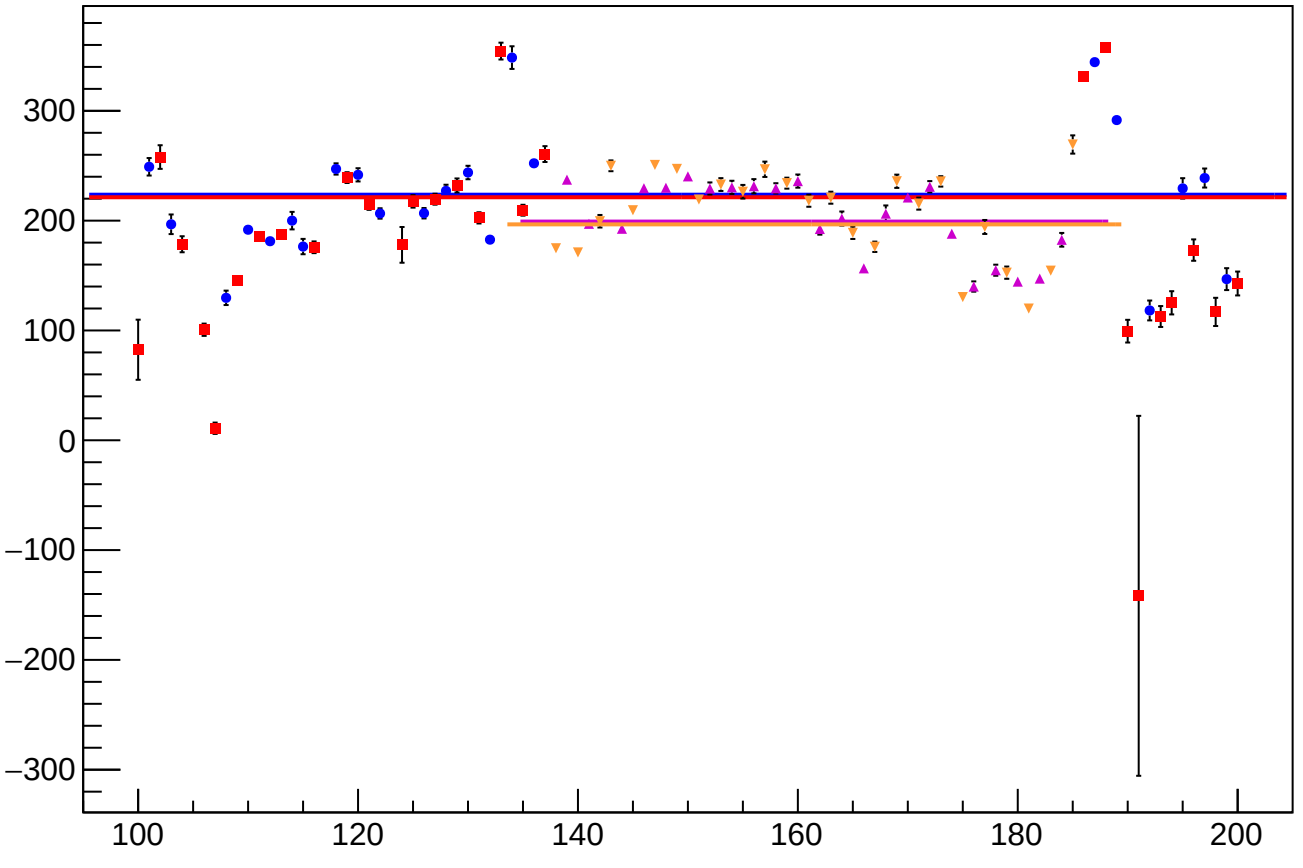
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -73.699+/-0.047 χ^2/NDF: 2606351.2/49

In: -117.239+/-0.036 χ^2/NDF:2150734.8/44

Out: -119.026+/-0.036 χ^2/NDF:1847889.4/52

All: -118.144+/-0.025 χ^2/NDF: 3999866.1/97



Right In: 223.627+/-1.163 χ^2/NDF: 2013.6/21

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

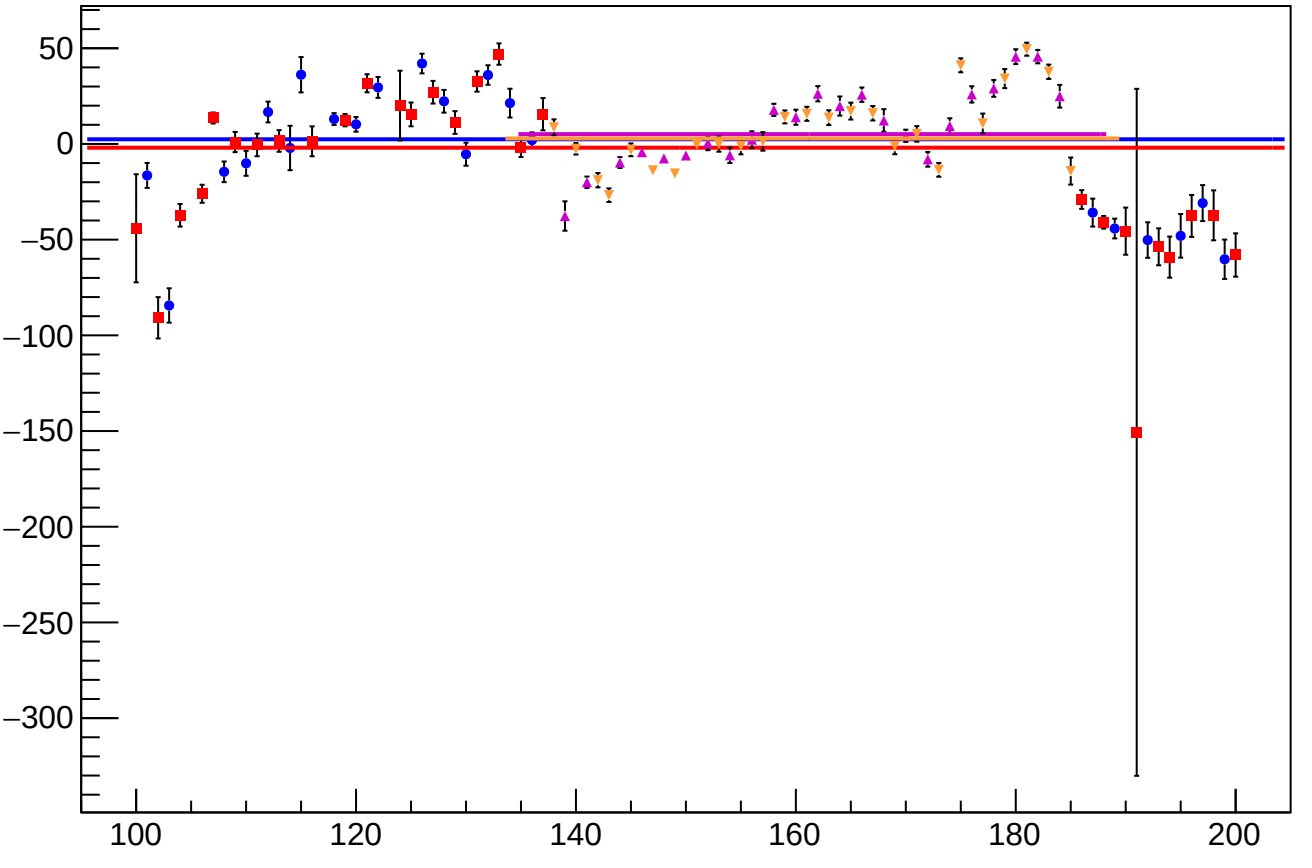
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

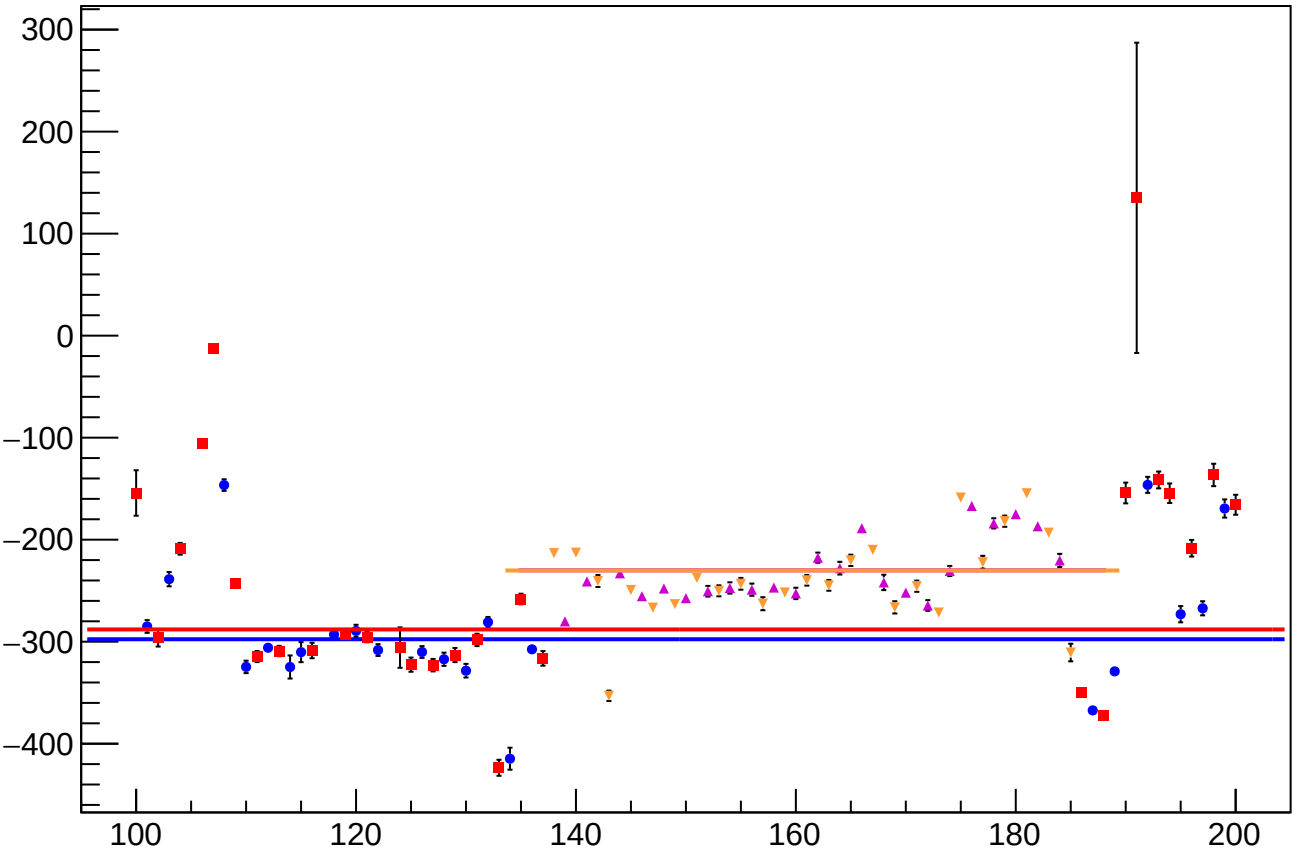
Right: 222.293+/-0.759 χ^2/NDF: 9999.0/49

In: 209.230+/-0.746 χ^2/NDF:3568.9/44

Out: 208.244+/-0.688 χ^2/NDF:10379.1/52

All: 208.698+/-0.506 χ^2/NDF: 13949.0/97


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: 2.440+/-1.231 χ²/NDF: 509.1/21
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: -0.035+/-0.815 χ²/NDF: 1192.7/49
In: 4.444+/-0.620 χ²/NDF:1141.3/44
Out: 1.473+/-0.584 χ²/NDF:1443.2/52
All: 2.870+/-0.425 χ²/NDF: 2596.7/97



Right In: -297.598+/-1.220 χ^2/NDF: 2025.1/21

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

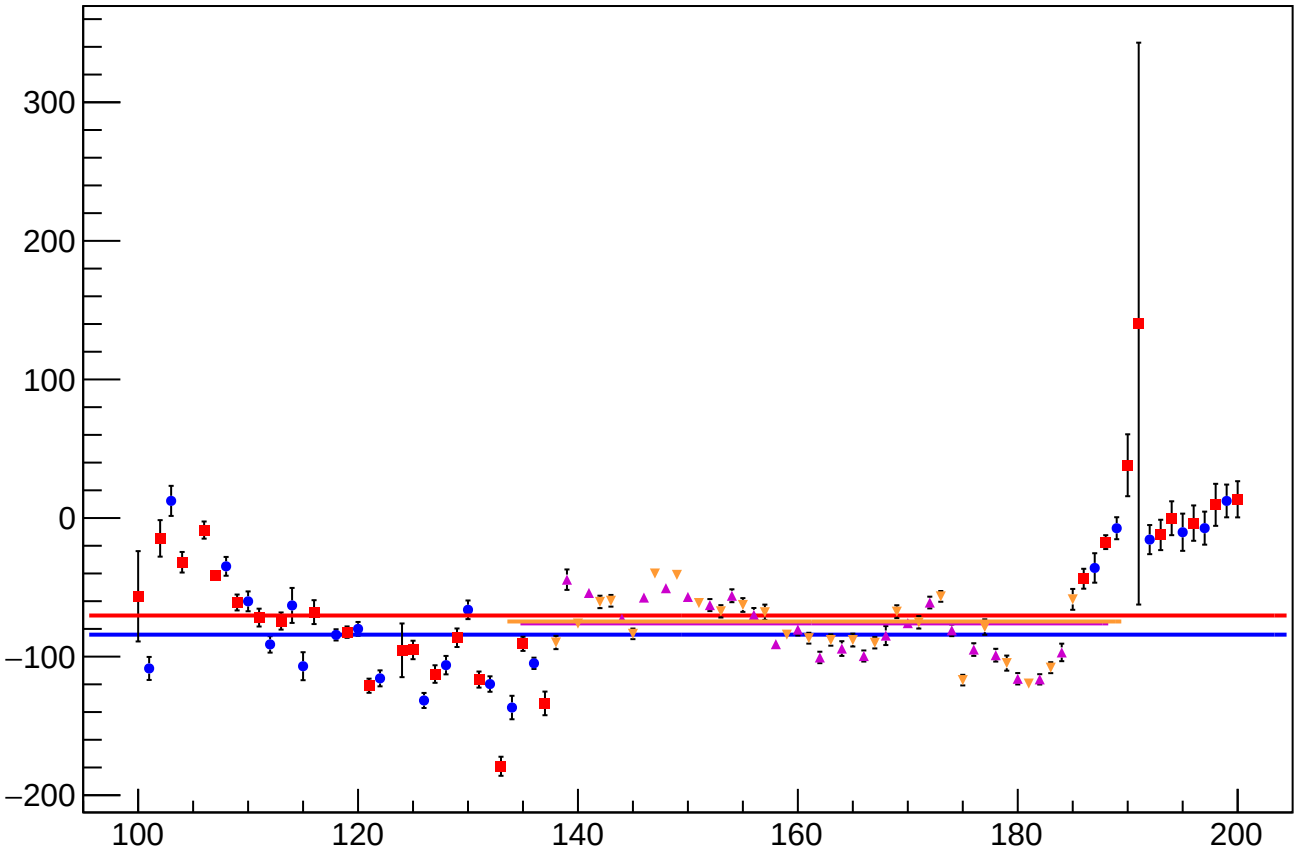
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -291.906+/-0.779 χ^2/NDF: 11689.6/49

In: -255.917+/-0.755 χ^2/NDF:5011.5/44

Out: -256.892+/-0.689 χ^2/NDF:13560.5/52

All: -256.449+/-0.509 χ^2/NDF: 18572.9/97



Right In: -84.154+/-1.446 χ^2/NDF: 686.7/21

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

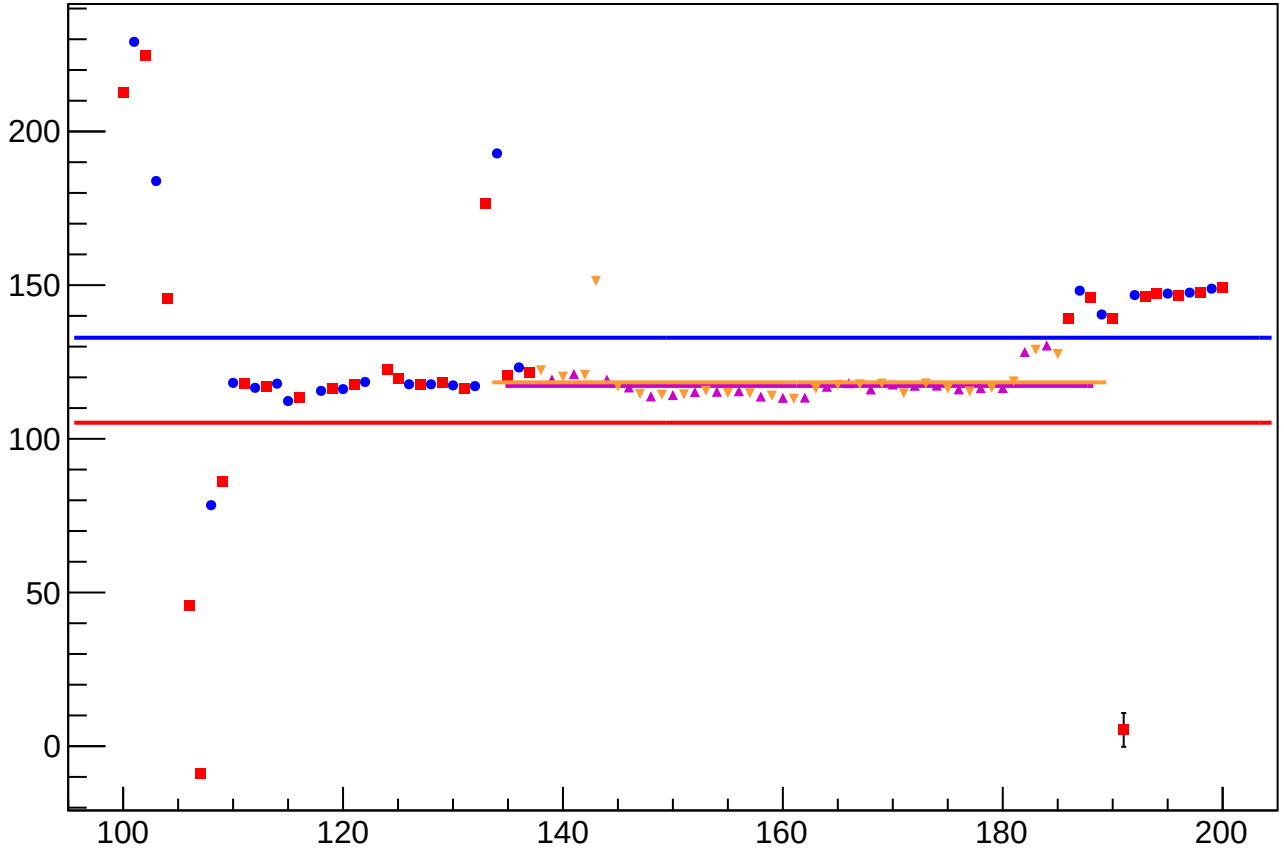
Right: -76.546+/-0.969 χ^2/NDF: 1812.1/49

In: -78.018+/-0.716 χ^2/NDF:1356.6/44

Out: -73.467+/-0.683 χ^2/NDF:1914.0/52

All: -75.634+/-0.494 χ^2/NDF: 3291.8/97

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 132.892+/-0.078 χ^2/NDF: 193146.5/21

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

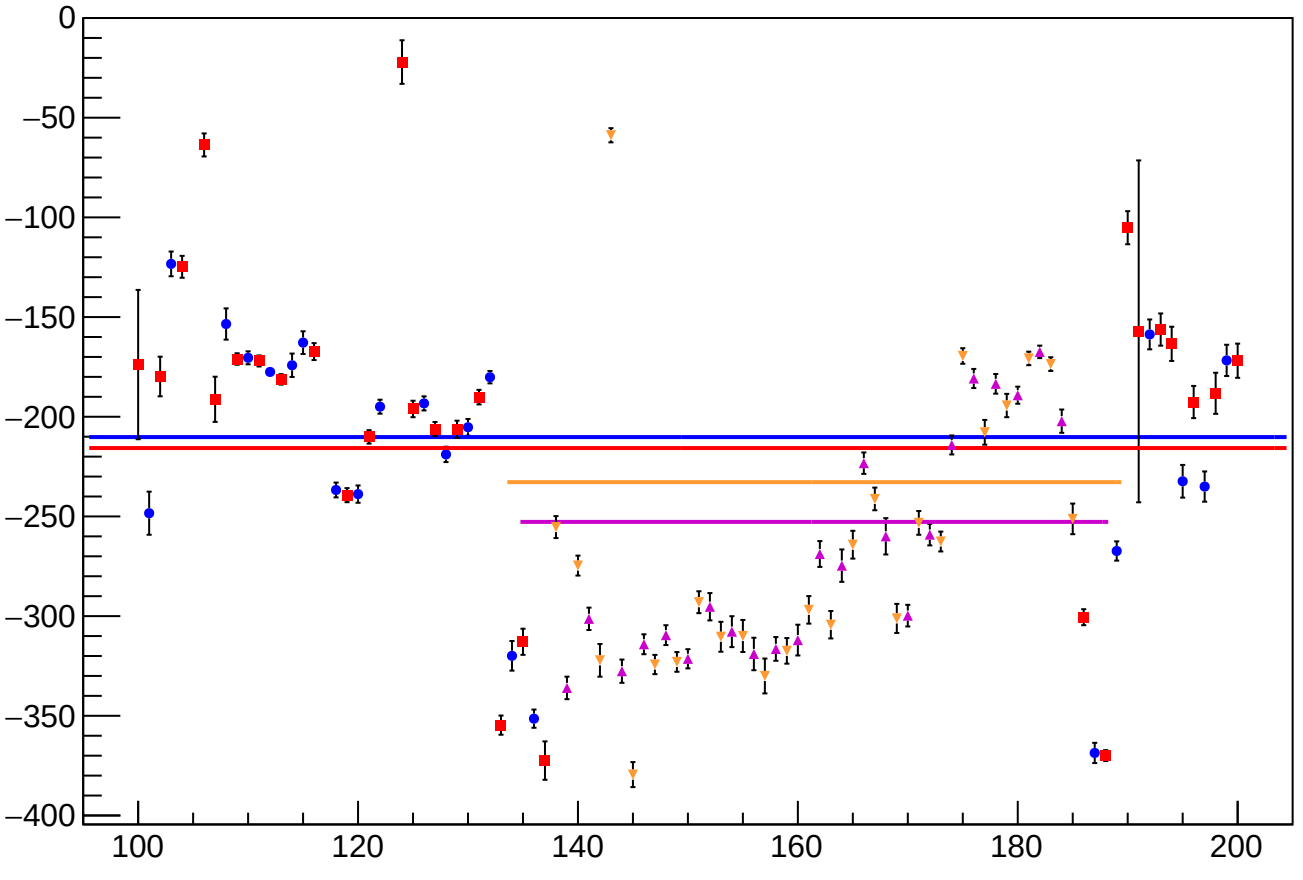
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 117.262+/-0.051 χ^2/NDF: 991638.5/49

In: 120.184+/-0.034 χ^2/NDF:236162.7/44

Out: 115.369+/-0.033 χ^2/NDF:790751.8/52

All: 117.694+/-0.024 χ^2/NDF: 1037371.3/97



Right In: -210.201+/-0.953 χ^2/NDF: 3306.4/21

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

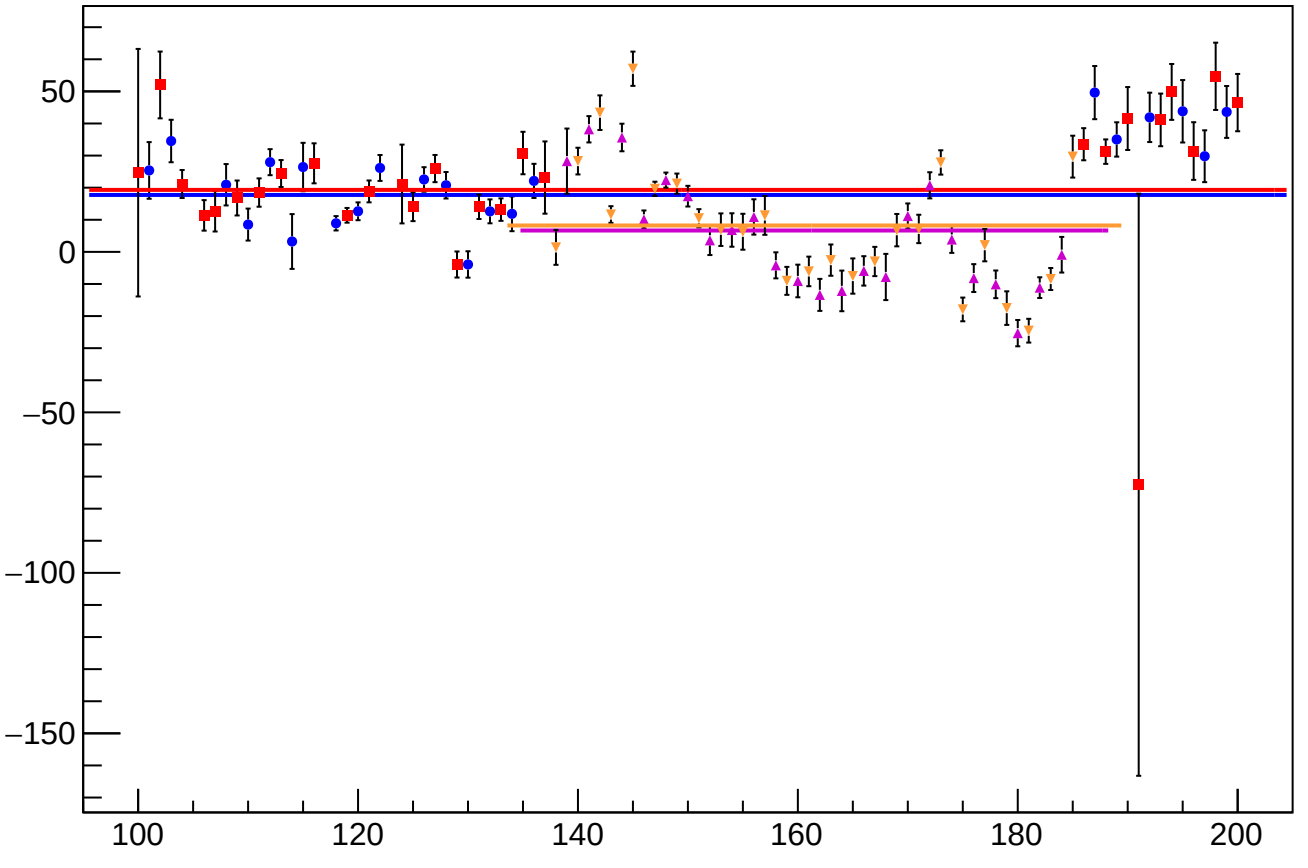
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.207+/-0.641 χ^2/NDF: 10807.1/49

In: -227.864+/-0.729 χ^2/NDF:7047.9/44

Out: -222.453+/-0.674 χ^2/NDF:13400.5/52

All: -224.947+/-0.495 χ^2/NDF: 20478.1/97



Right In: 17.737+/-0.991 χ^2/NDF: 133.1/21

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

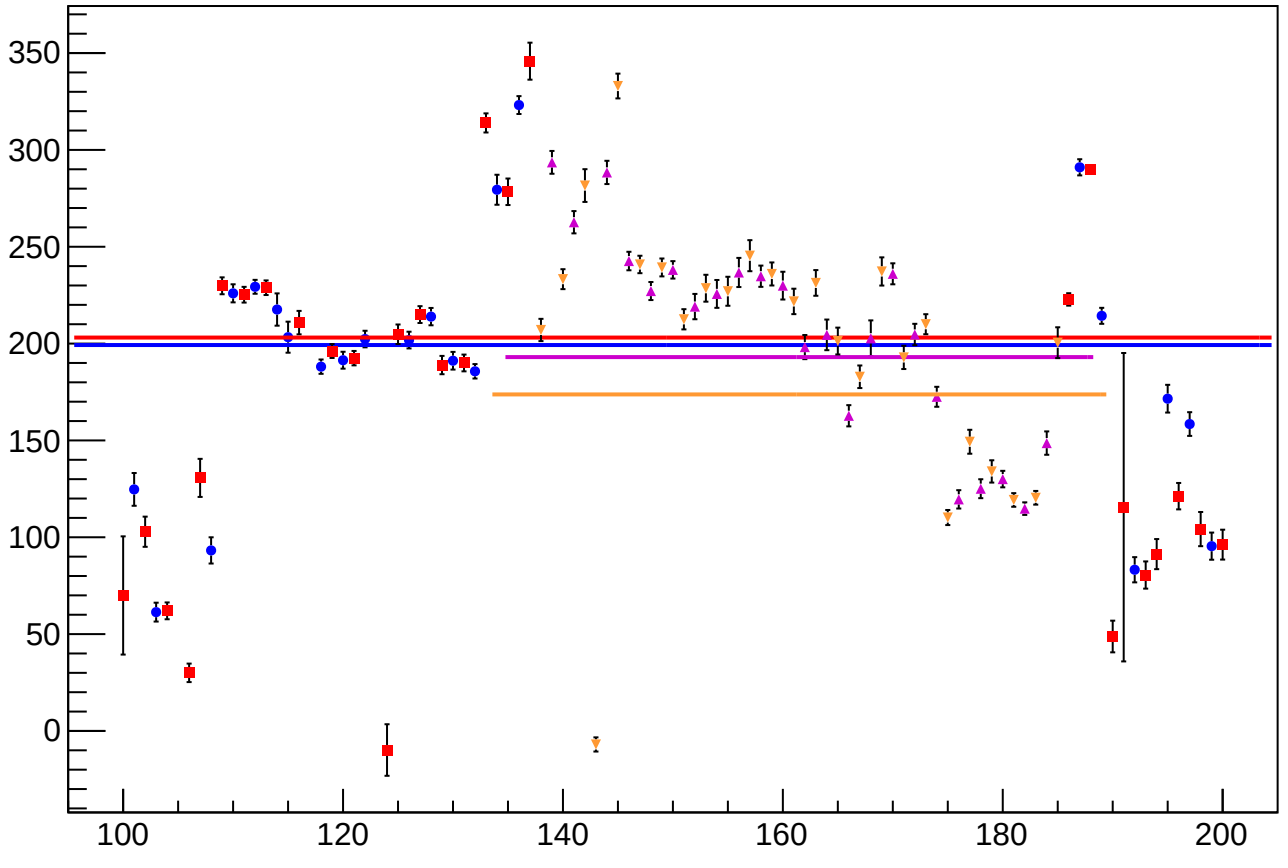
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 18.559+/-0.685 χ^2/NDF: 274.6/49

In: 11.407+/-0.649 χ^2/NDF:559.4/44

Out: 12.853+/-0.613 χ^2/NDF:677.7/52

All: 12.171+/-0.445 χ^2/NDF: 1239.7/97



Right In: 199.254+/-1.051 χ^2/NDF: 3195.3/21

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

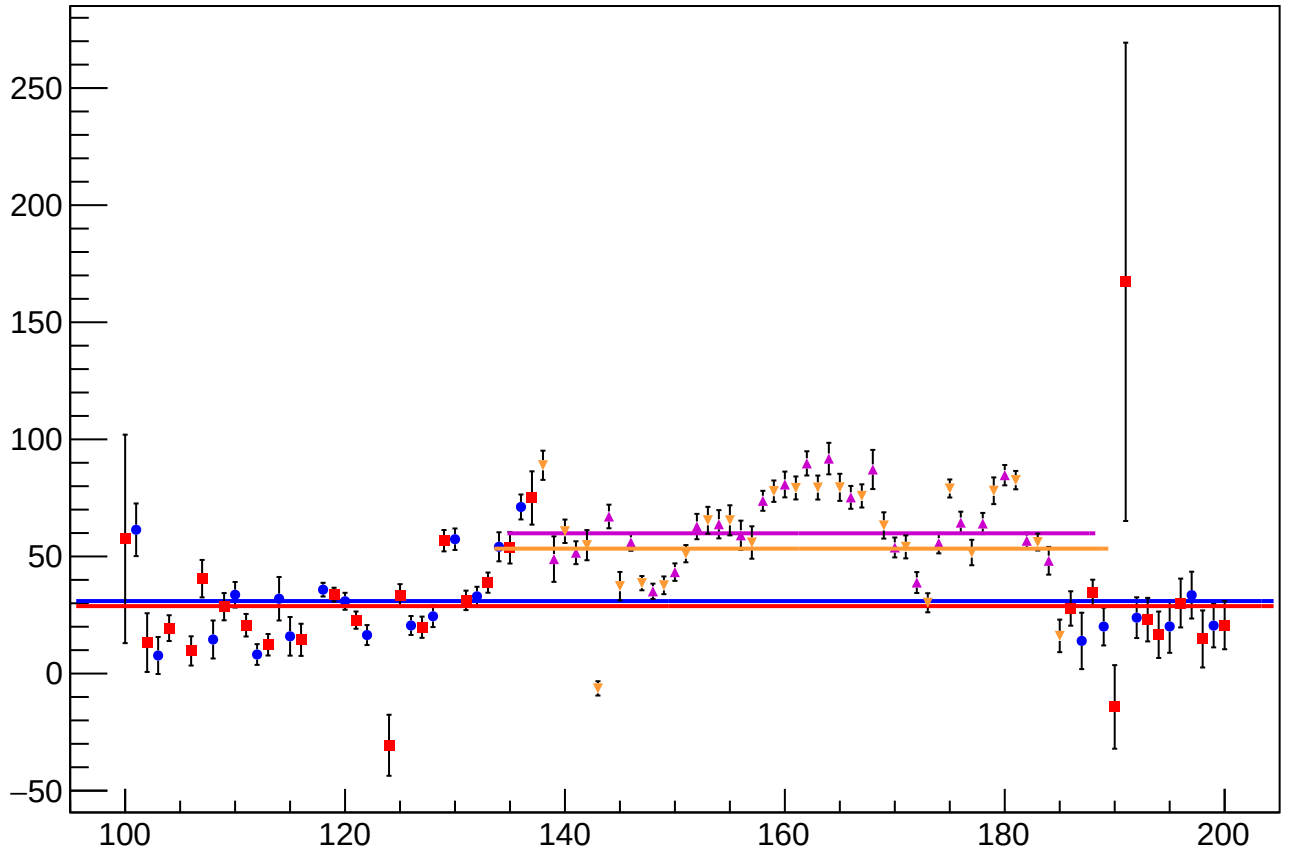
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 201.422+/-0.695 χ^2/NDF: 9986.8/49

In: 196.344+/-0.767 χ^2/NDF:5723.7/44

Out: 190.493+/-0.701 χ^2/NDF:12475.1/52

All: 193.154+/-0.517 χ^2/NDF: 18230.5/97



Right In: 30.955+/-1.162 χ^2/NDF: 184.2/21

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

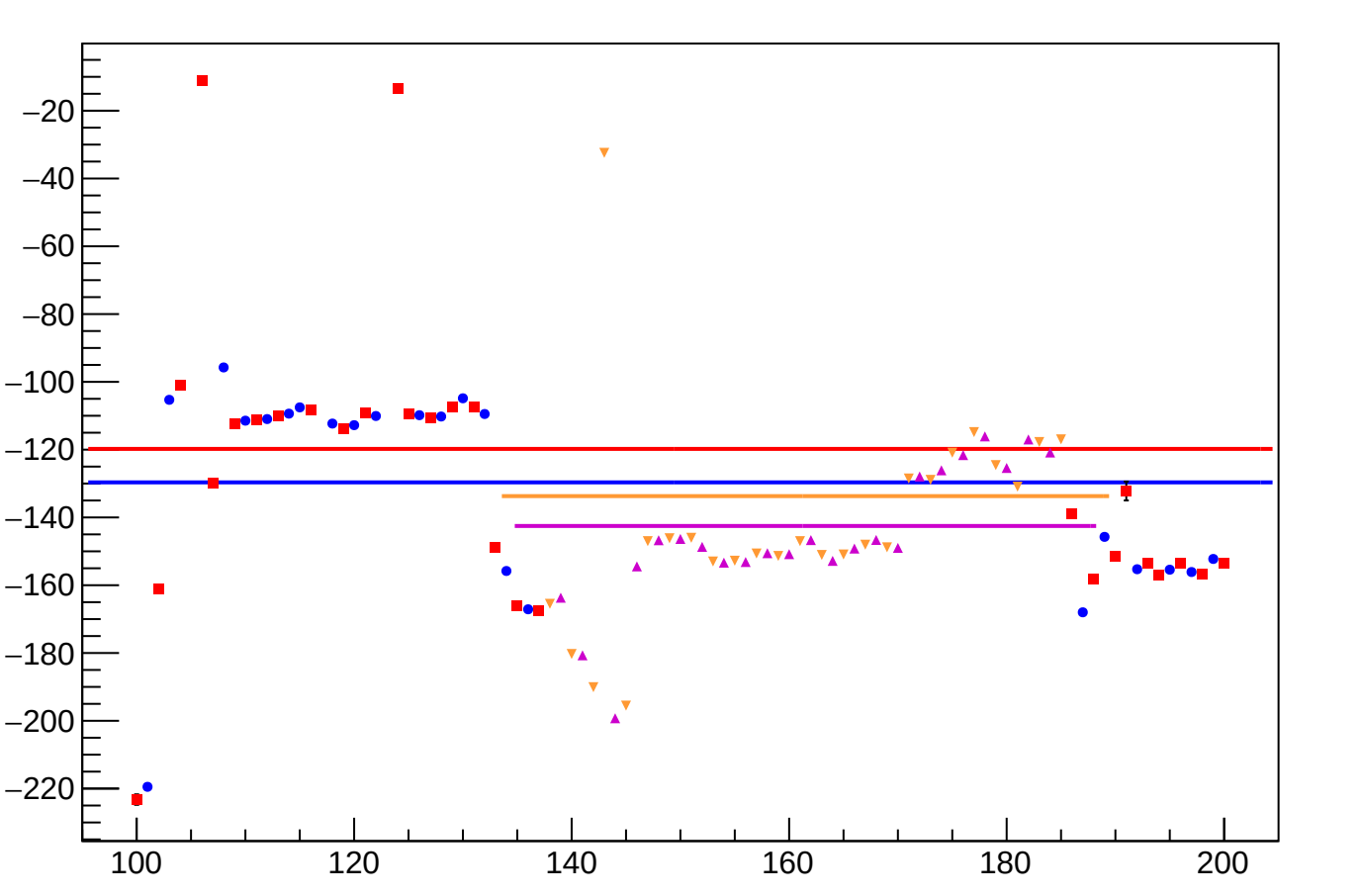
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.835+/-0.806 χ^2/NDF: 339.6/49

In: 47.907+/-0.748 χ^2/NDF:798.6/44

Out: 43.412+/-0.711 χ^2/NDF:1218.9/52

All: 45.548+/-0.515 χ^2/NDF: 2036.5/97



Right In: -129.655+/-0.068 χ^2/NDF: 163882.3/21

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

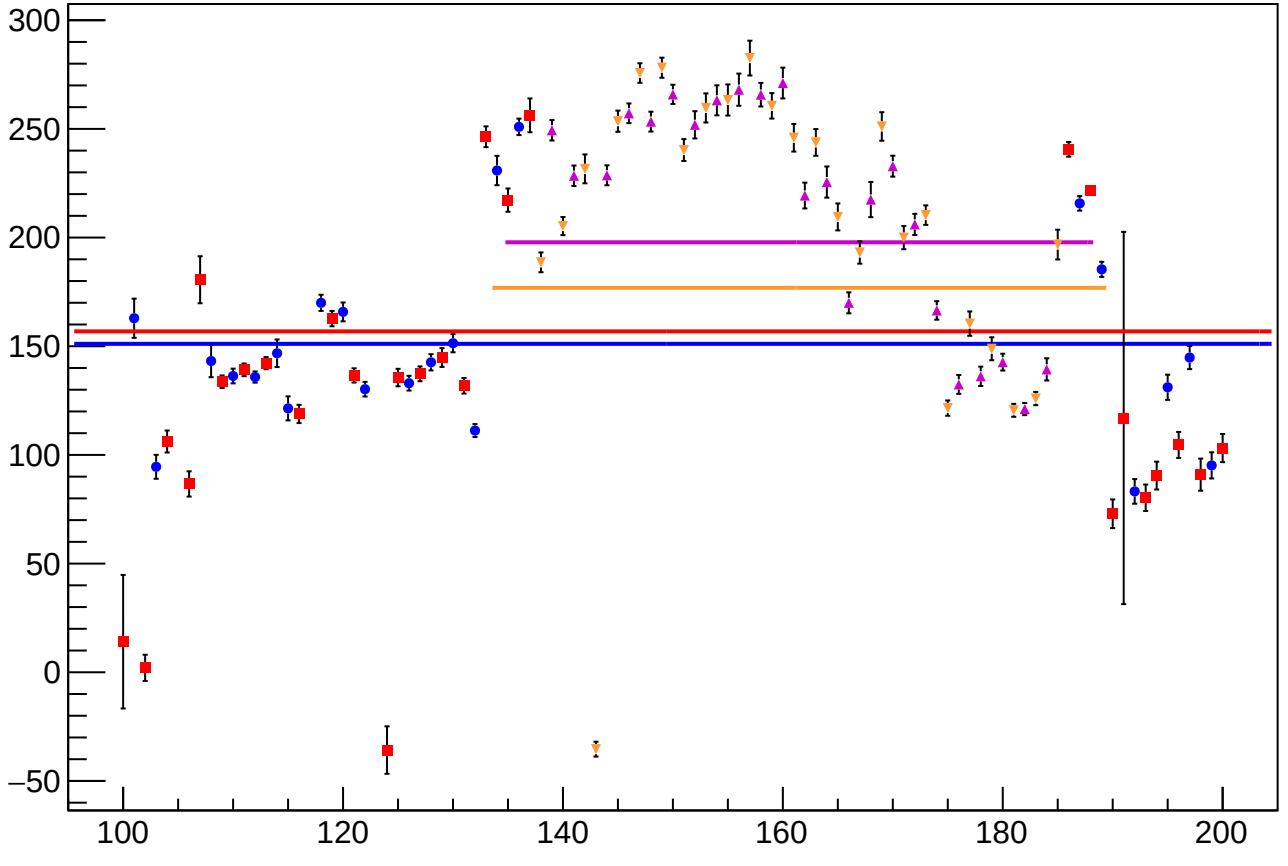
Right: -124.322+/-0.046 χ^2/NDF: 654838.0/49

In: -138.688+/-0.037 χ^2/NDF:367335.5/44

Out: -129.301+/-0.035 χ^2/NDF:1189031.3/52

All: -133.761+/-0.026 χ^2/NDF: 1589754.7/97

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 151.099+/-0.880 χ^2/NDF: 2035.9/21

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

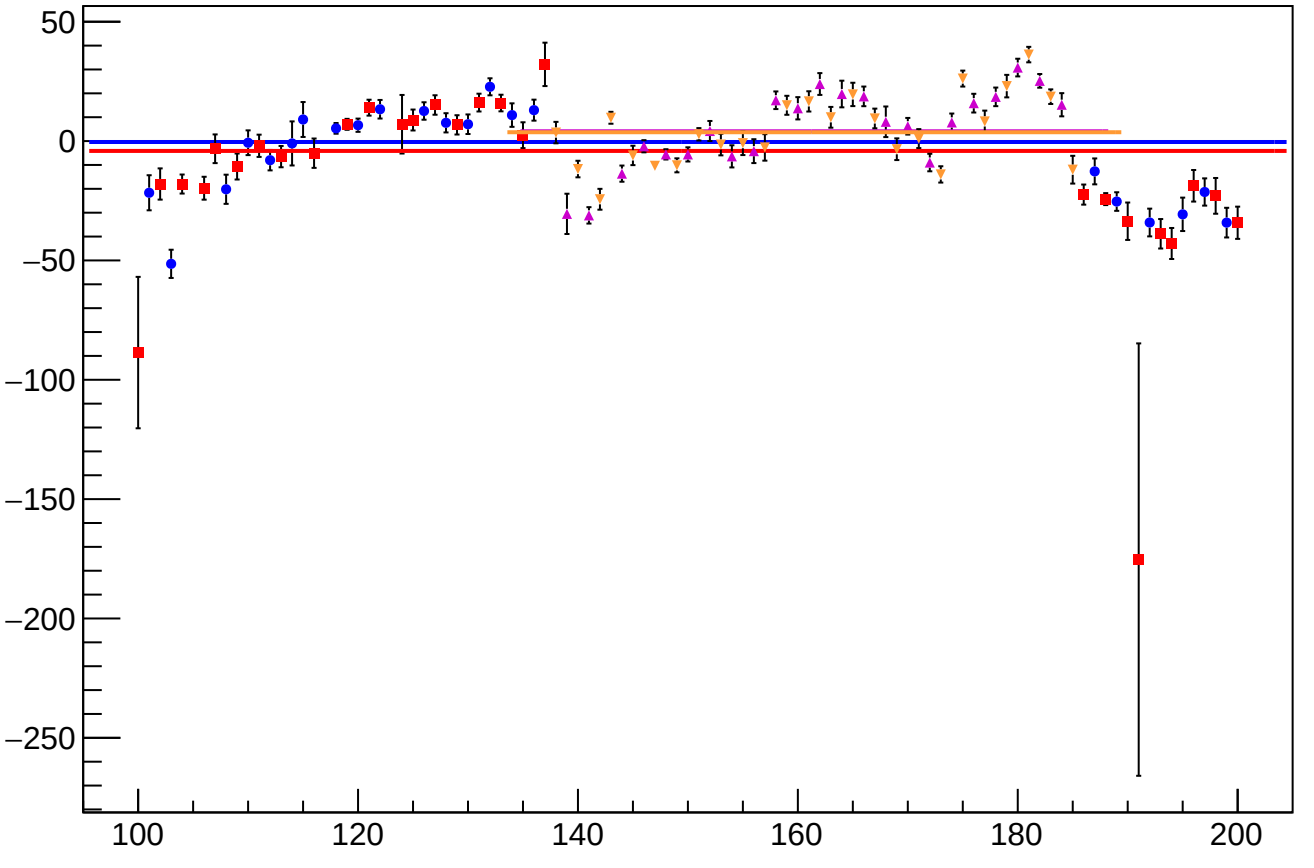
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 154.308+/-0.585 χ^2/NDF: 6899.8/49

In: 171.364+/-0.663 χ^2/NDF:6225.5/44

Out: 164.875+/-0.606 χ^2/NDF:12527.3/52

All: 167.831+/-0.447 χ^2/NDF: 18805.0/97



Right In: -0.383+/-0.926 χ^2/NDF: 341.8/21

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

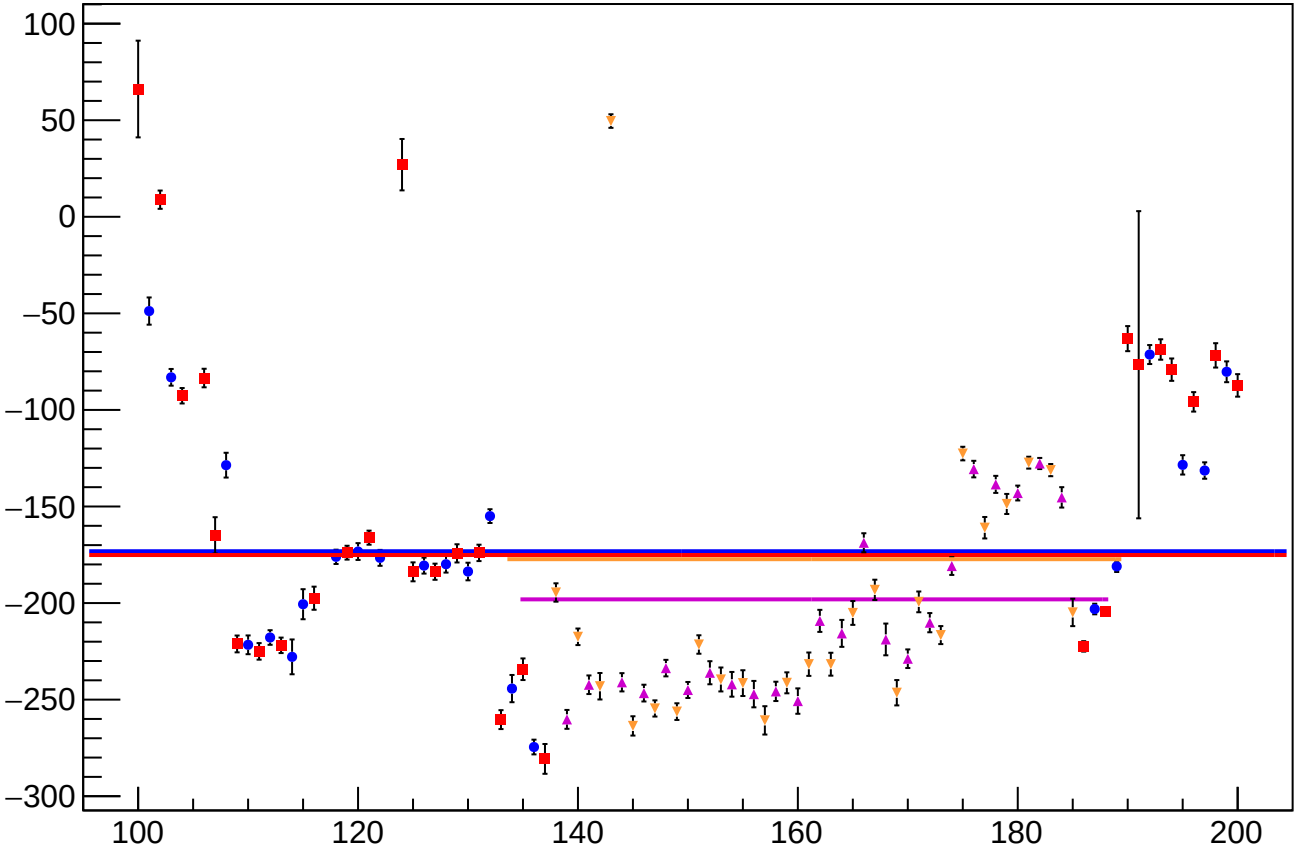
Right: -2.371+/-0.634 χ^2/NDF: 759.2/49

In: 2.272+/-0.592 χ^2/NDF:754.6/44

Out: 0.506+/-0.556 χ^2/NDF:857.6/52

All: 1.335+/-0.405 χ^2/NDF: 1616.9/97

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -173.169+/-0.923 χ^2/NDF: 2957.4/21

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

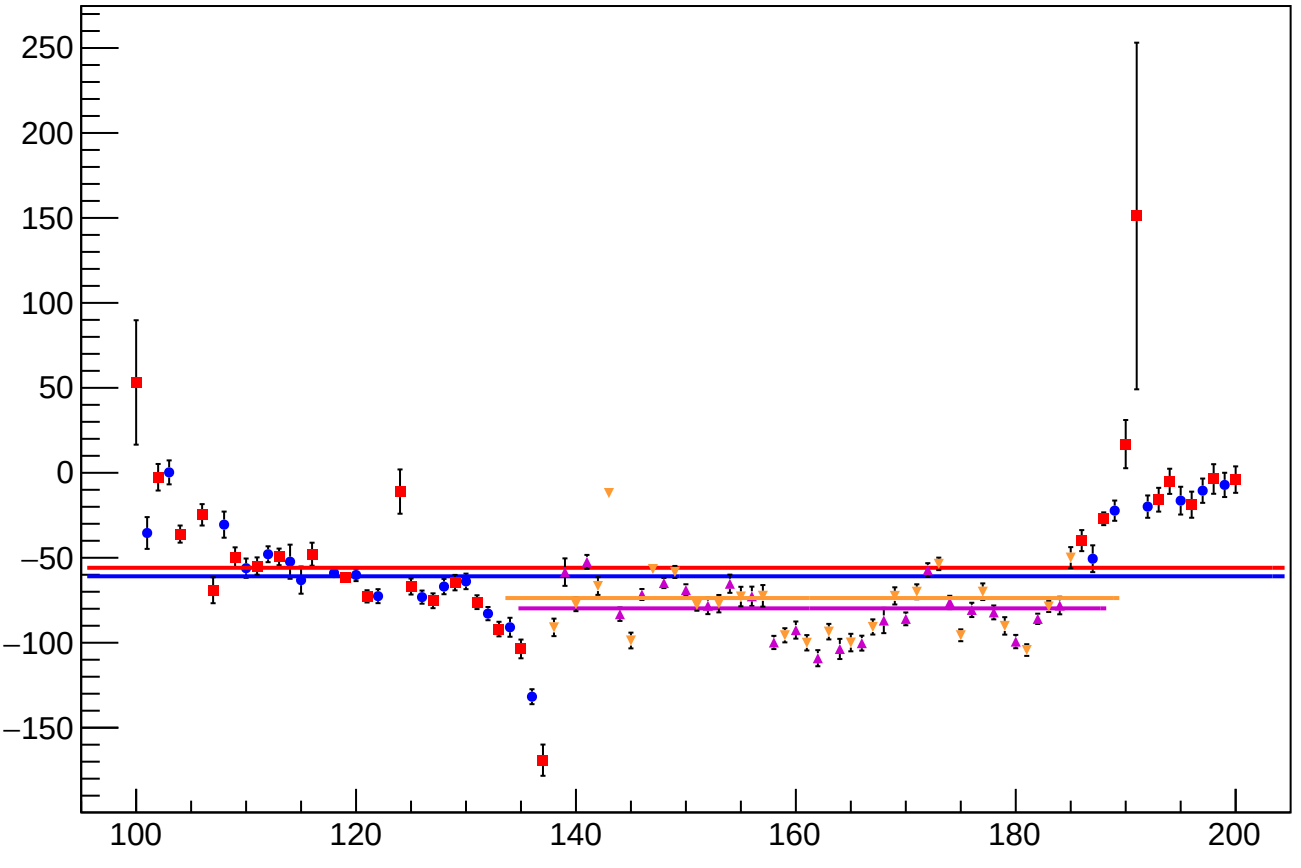
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -174.304+/-0.599 χ^2/NDF: 9049.6/49

In: -184.634+/-0.678 χ^2/NDF:5678.9/44

Out: -175.998+/-0.607 χ^2/NDF:13132.6/52

All: -179.841+/-0.453 χ^2/NDF: 18901.4/97



Right In: -60.901+/-1.092 χ^2/NDF: 666.2/21

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

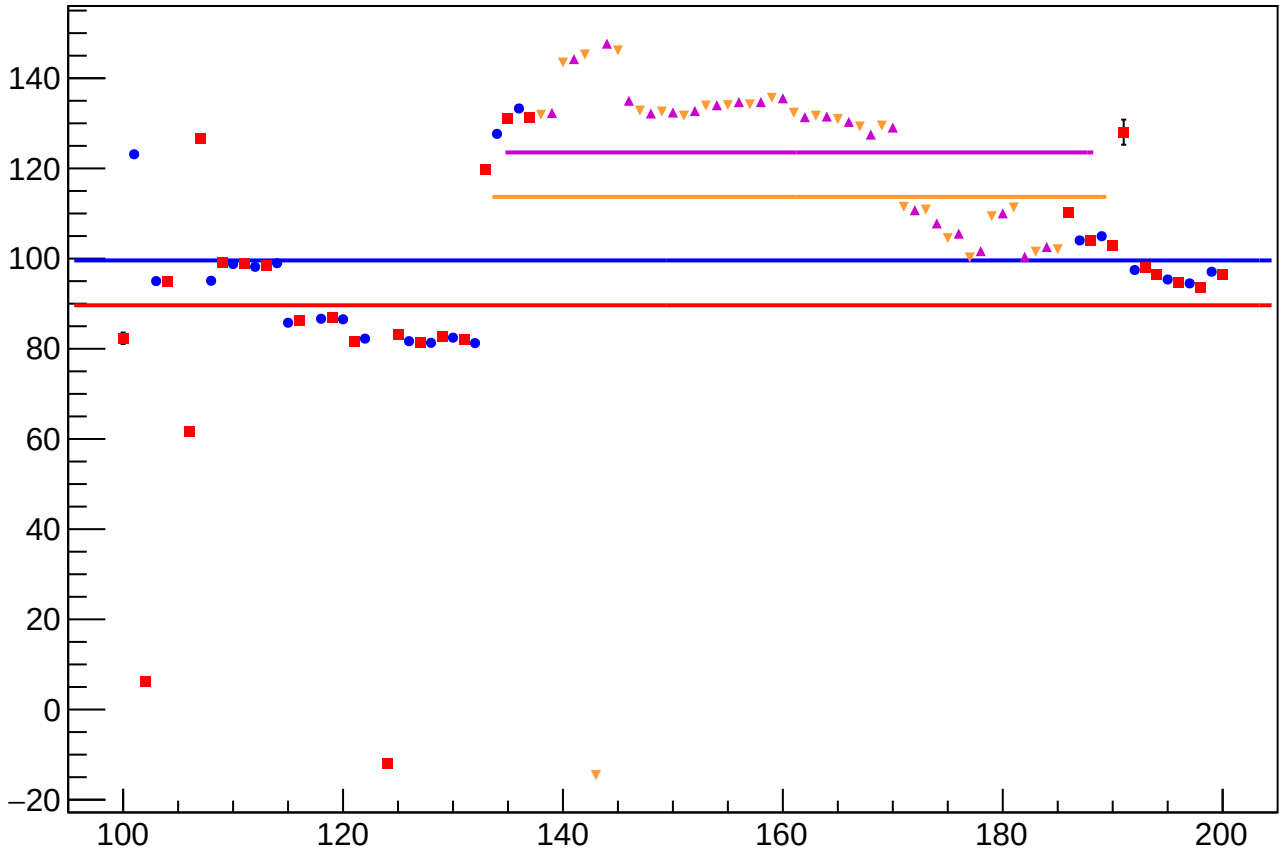
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -58.279+/-0.754 χ^2/NDF: 1448.6/49

In: -72.408+/-0.682 χ^2/NDF:1125.4/44

Out: -66.799+/-0.648 χ^2/NDF:1790.0/52

All: -69.461+/-0.470 χ^2/NDF: 2950.9/97



Right In: 99.596+/-0.060 χ^2/NDF: 69078.0/21

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

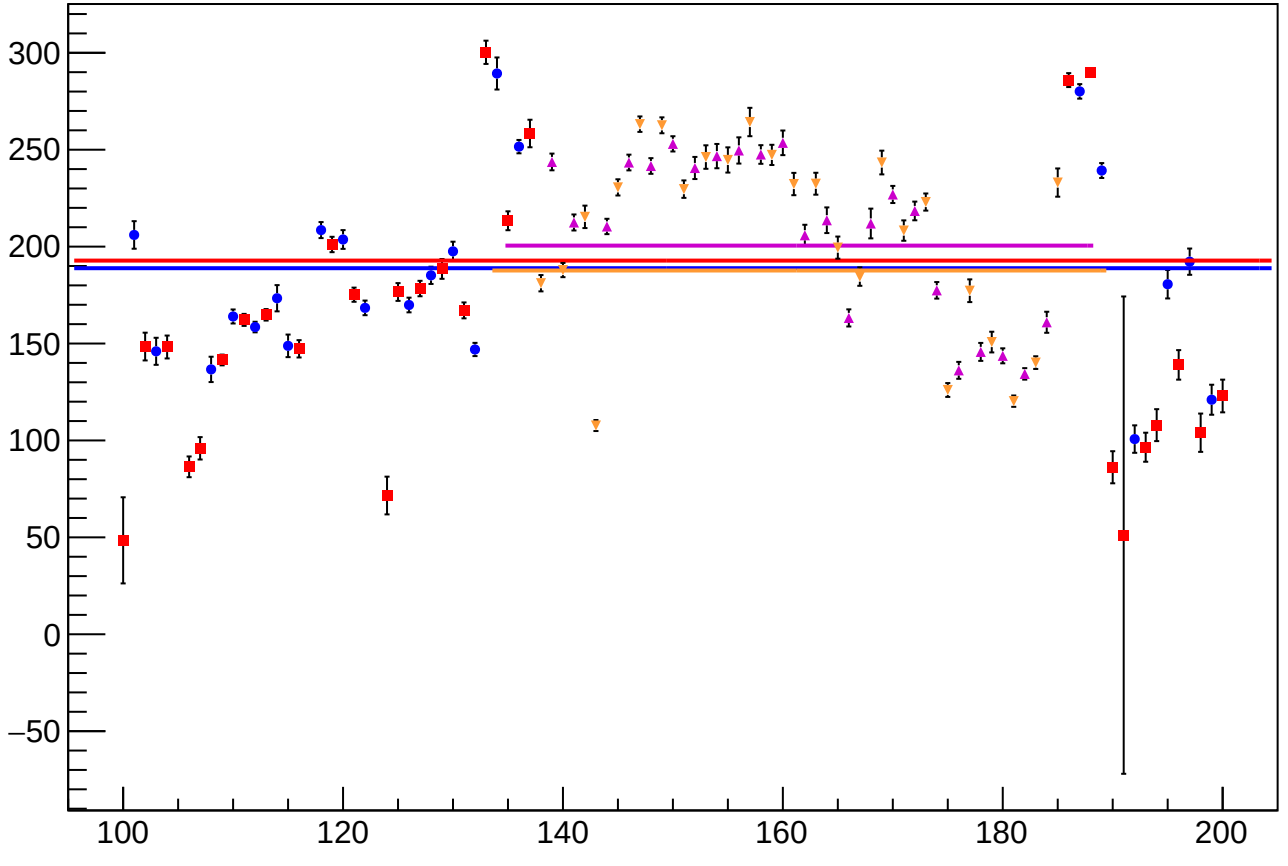
Right: 94.143+/-0.040 χ^2/NDF: 367044.1/49

In: 116.218+/-0.033 χ^2/NDF:315363.7/44

Out: 105.670+/-0.031 χ^2/NDF:1376901.8/52

All: 110.667+/-0.023 χ^2/NDF: 1745996.5/97

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

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

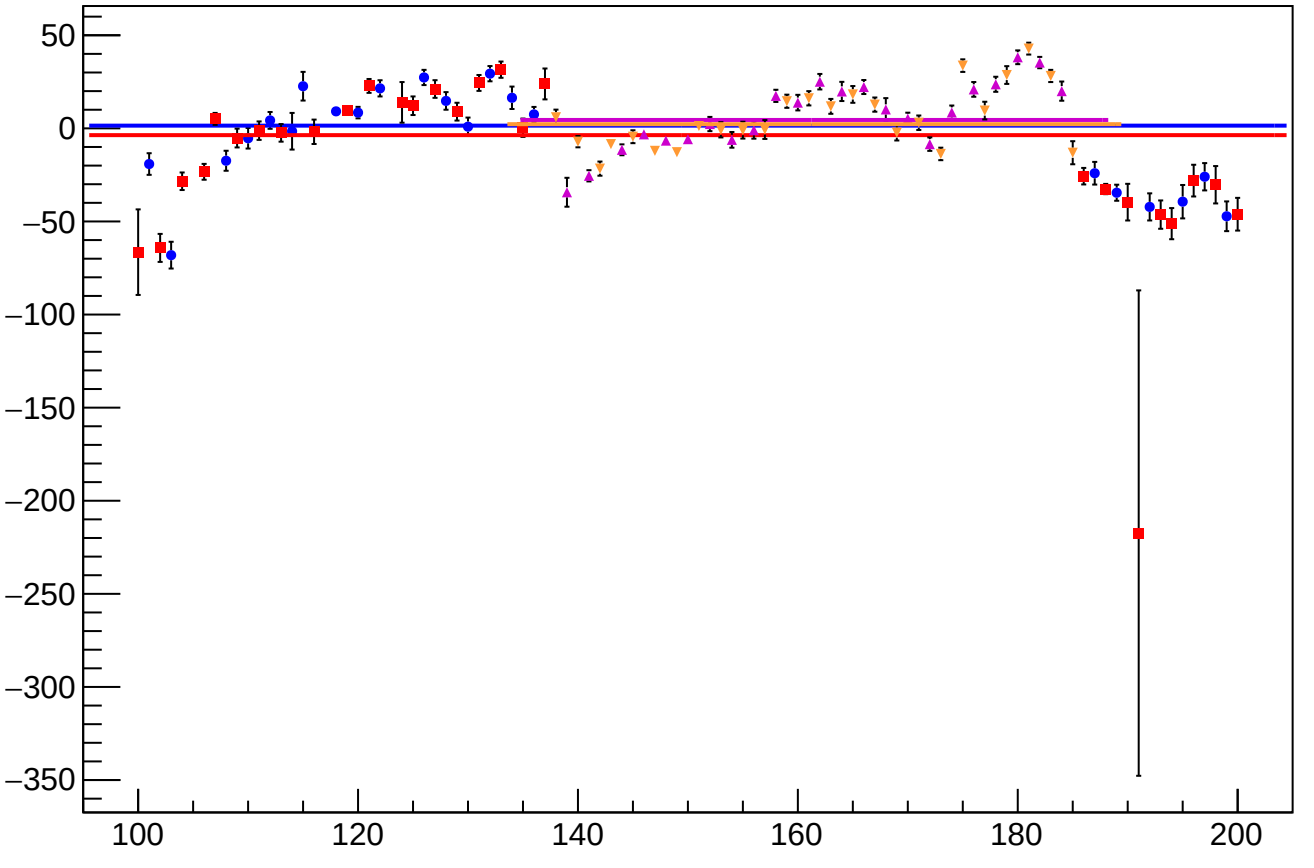
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

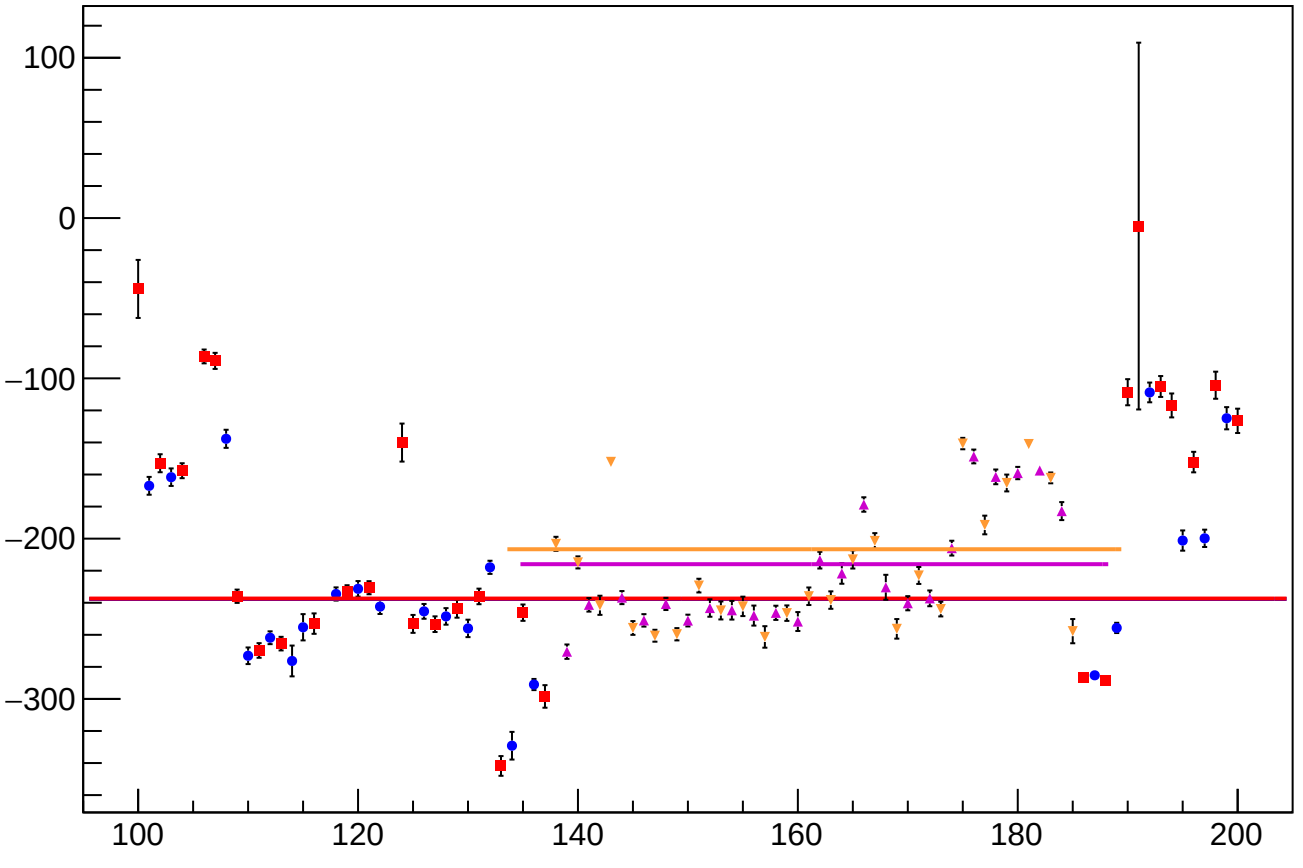
Right: 191.089+/-0.640 χ^2/NDF: 7886.7/49

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: 1.461+/-1.024 χ²/NDF: 462.0/21
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -3.642+/-0.934 χ²/NDF: 626.2/27
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.298+/-0.486 χ²/NDF: 1153.4/47
Right: -1.326+/-0.690 χ²/NDF: 1101.8/49
In: 3.514+/-0.586 χ²/NDF:1015.1/44
Out: 0.266+/-0.541 χ²/NDF:1253.5/52
All: 1.762+/-0.398 χ²/NDF: 2285.2/97



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

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

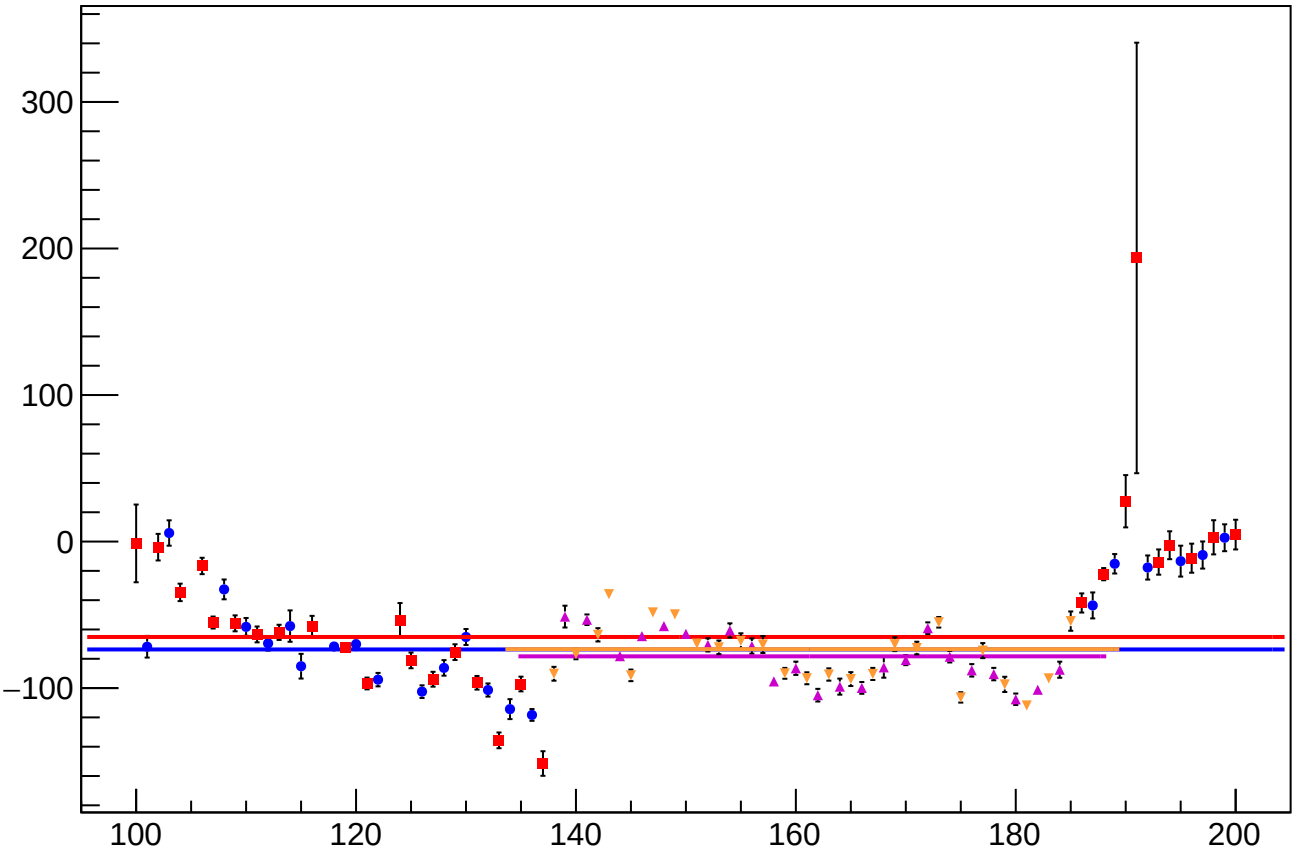
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -237.500+/-0.658 χ^2/NDF: 8418.5/49

In: -225.944+/-0.695 χ^2/NDF:4175.0/44

Out: -222.622+/-0.620 χ^2/NDF:9281.2/52

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

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

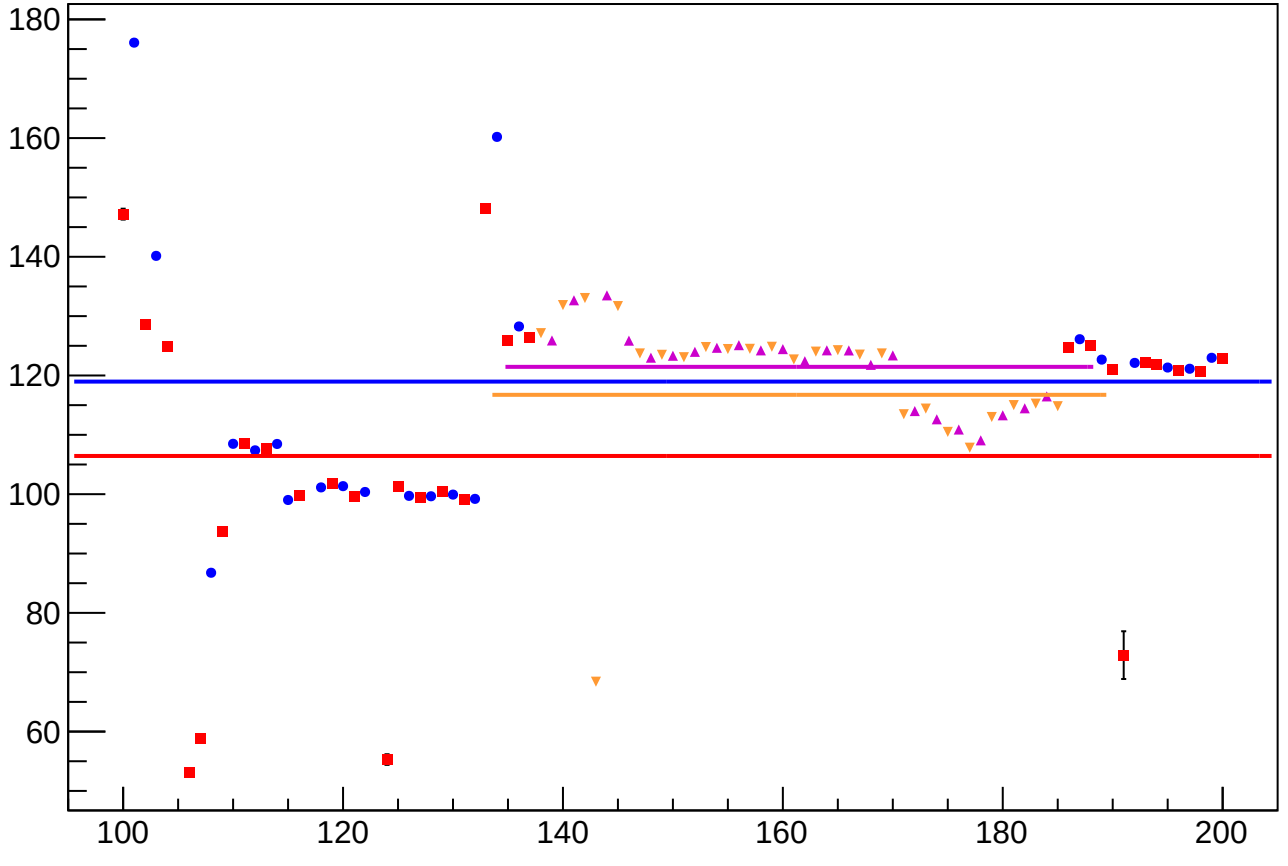
Right: -69.052+/-0.821 χ^2/NDF: 1693.7/49

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -70.773+/-0.633 χ^2/NDF:1852.1/52

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

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

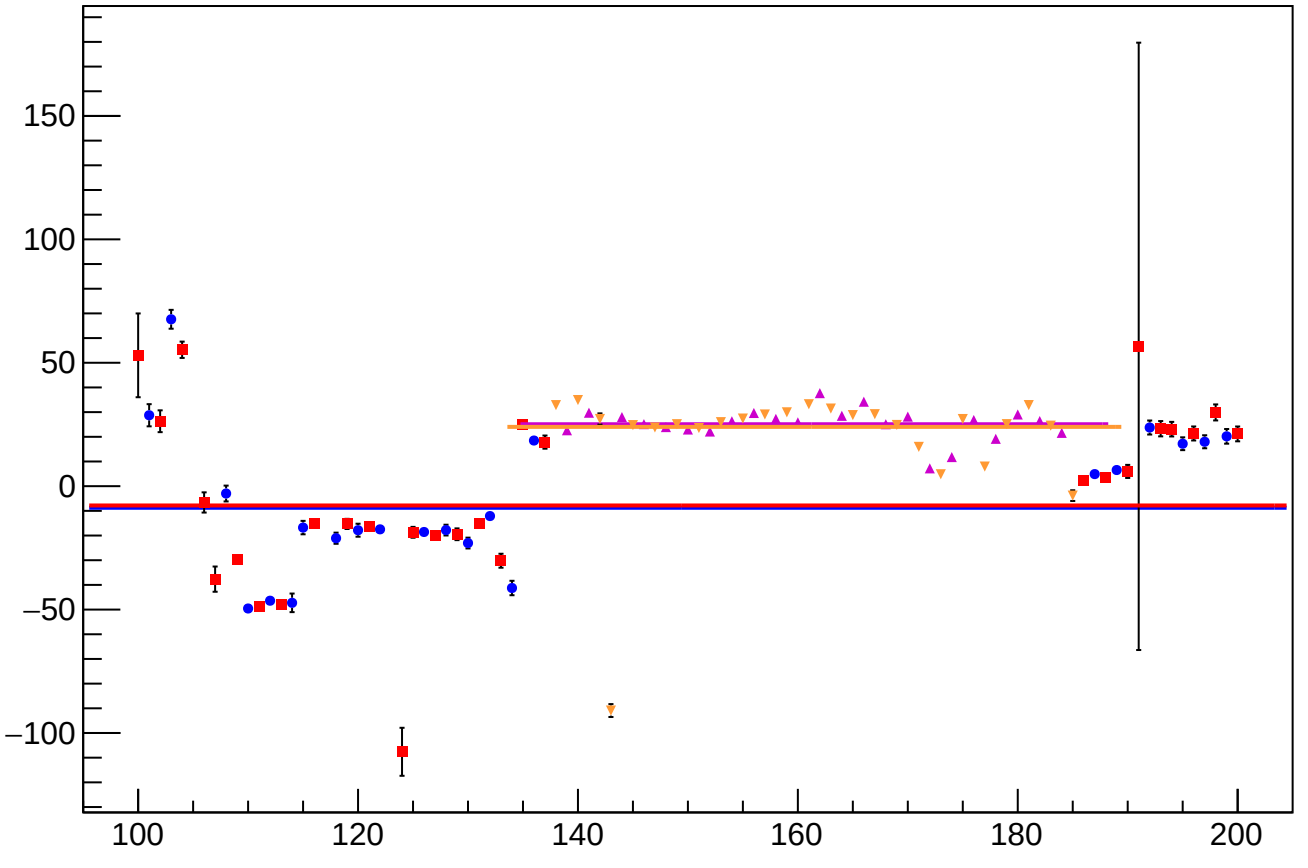
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 111.945+/-0.044 χ^2/NDF: 314798.4/49

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

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

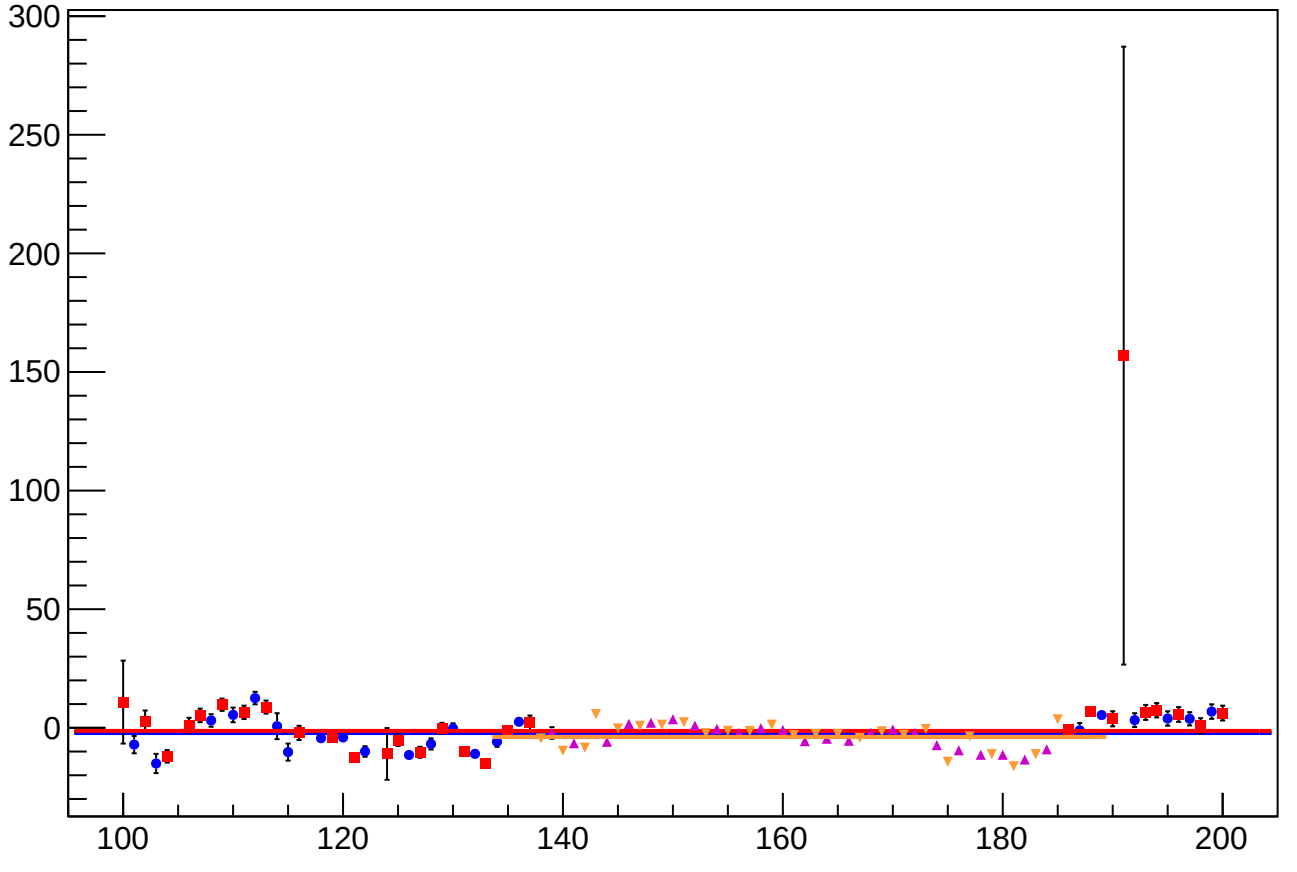
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -8.225+/-0.311 χ^2/NDF: 6061.5/49

In: 15.889+/-0.245 χ^2/NDF:7091.8/44

Out: 13.991+/-0.233 χ^2/NDF:10055.7/52

All: 14.894+/-0.169 χ^2/NDF: 17179.0/97



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

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

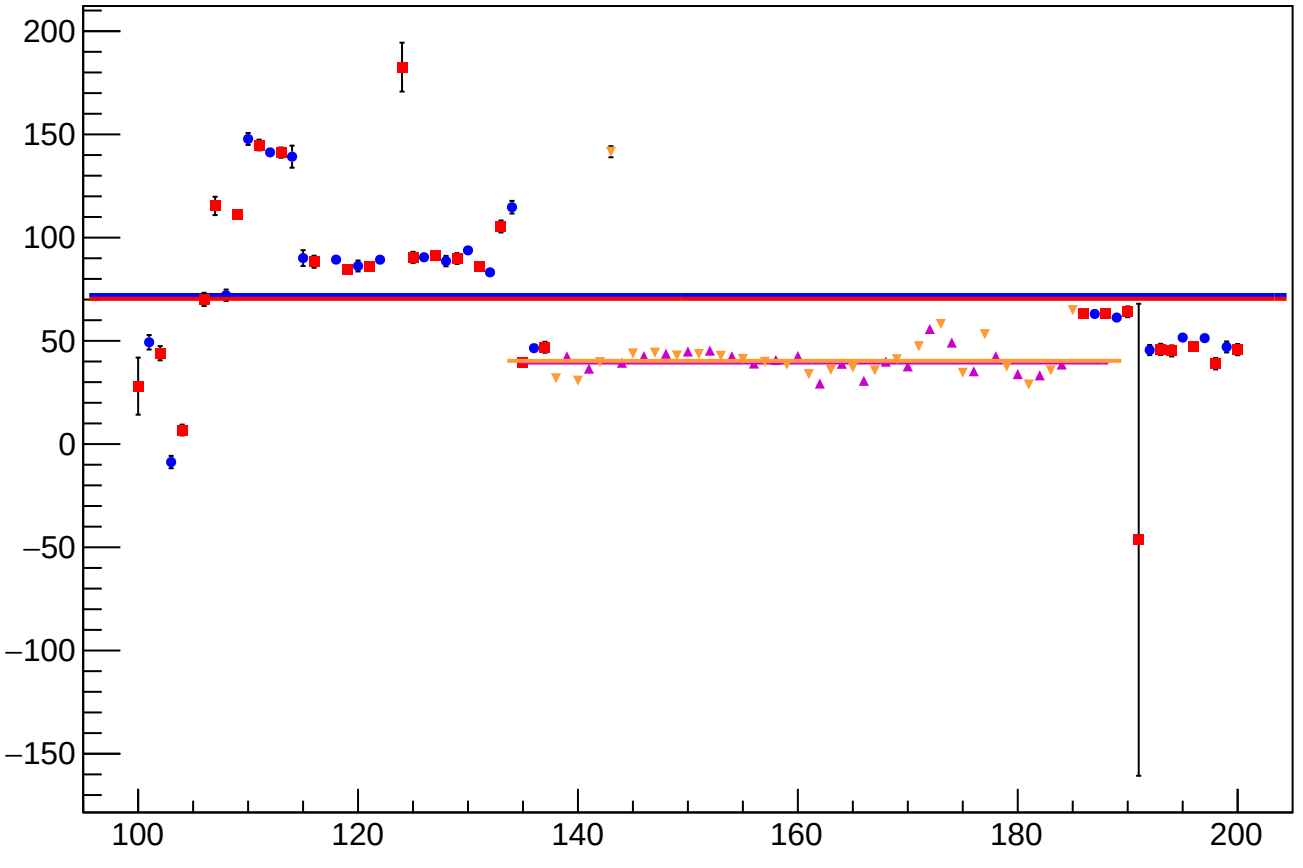
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.728+/-0.339 χ^2/NDF: 407.6/49

In: -3.514+/-0.204 χ^2/NDF:683.1/44

Out: -3.389+/-0.197 χ^2/NDF:914.7/52

All: -3.449+/-0.142 χ^2/NDF: 1598.1/97



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

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

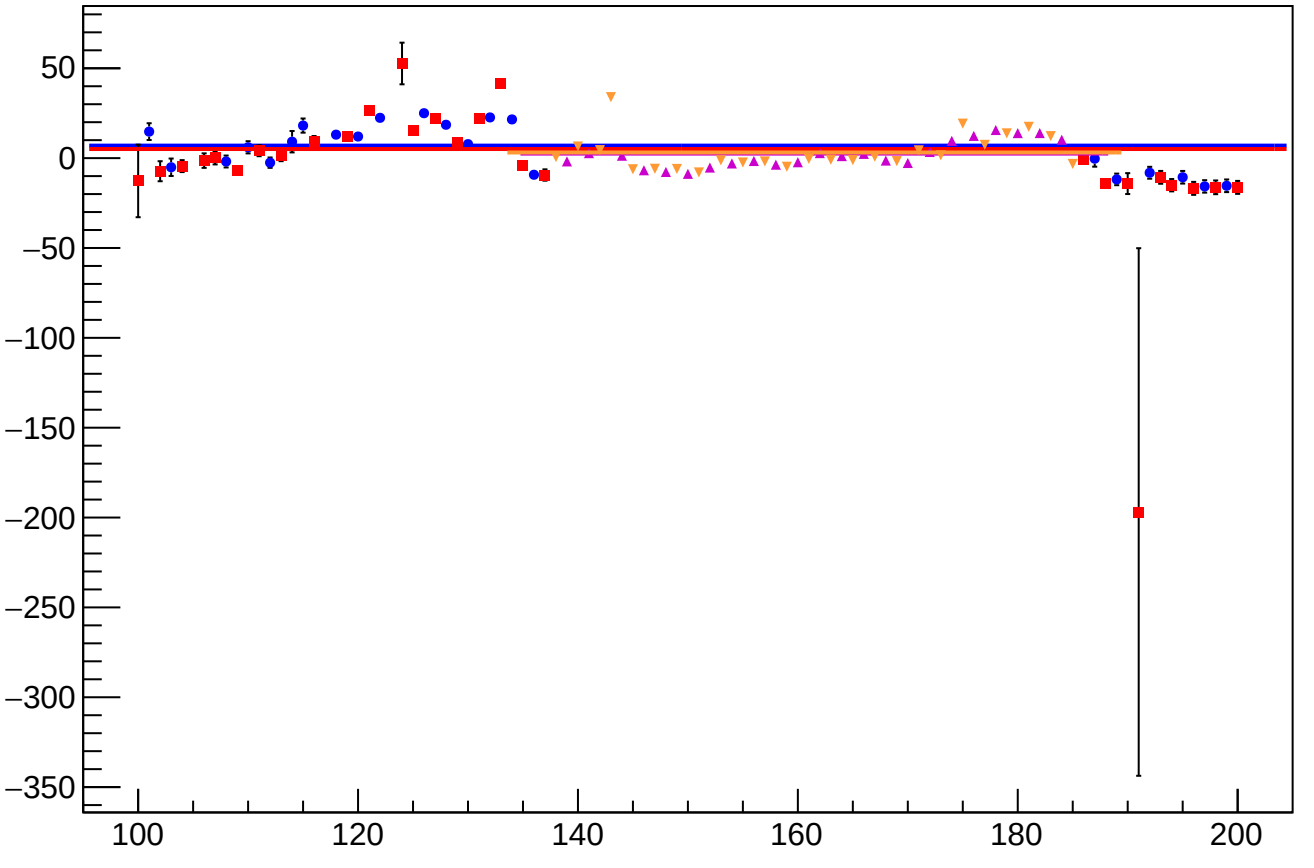
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 71.129+/-0.315 χ^2/NDF: 8225.8/49

In: 47.843+/-0.246 χ^2/NDF:7710.3/44

Out: 49.778+/-0.232 χ^2/NDF:10107.4/52

All: 48.867+/-0.169 χ^2/NDF: 17850.5/97



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

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

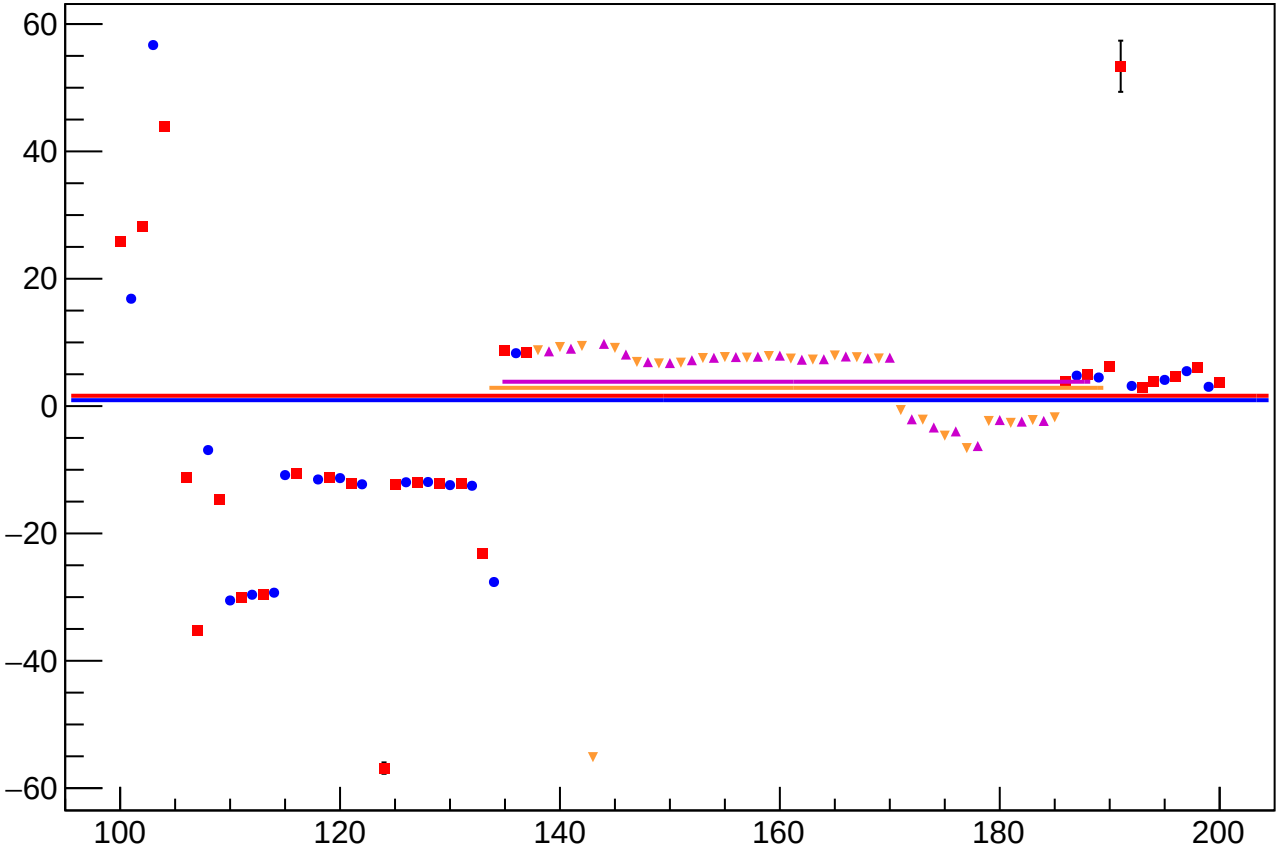
Right: 5.982+/-0.399 χ^2/NDF: 1354.5/49

In: 3.231+/-0.230 χ^2/NDF:1573.6/44

Out: 3.458+/-0.224 χ^2/NDF:2070.8/52

All: 3.347+/-0.161 χ^2/NDF: 3644.9/97

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

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

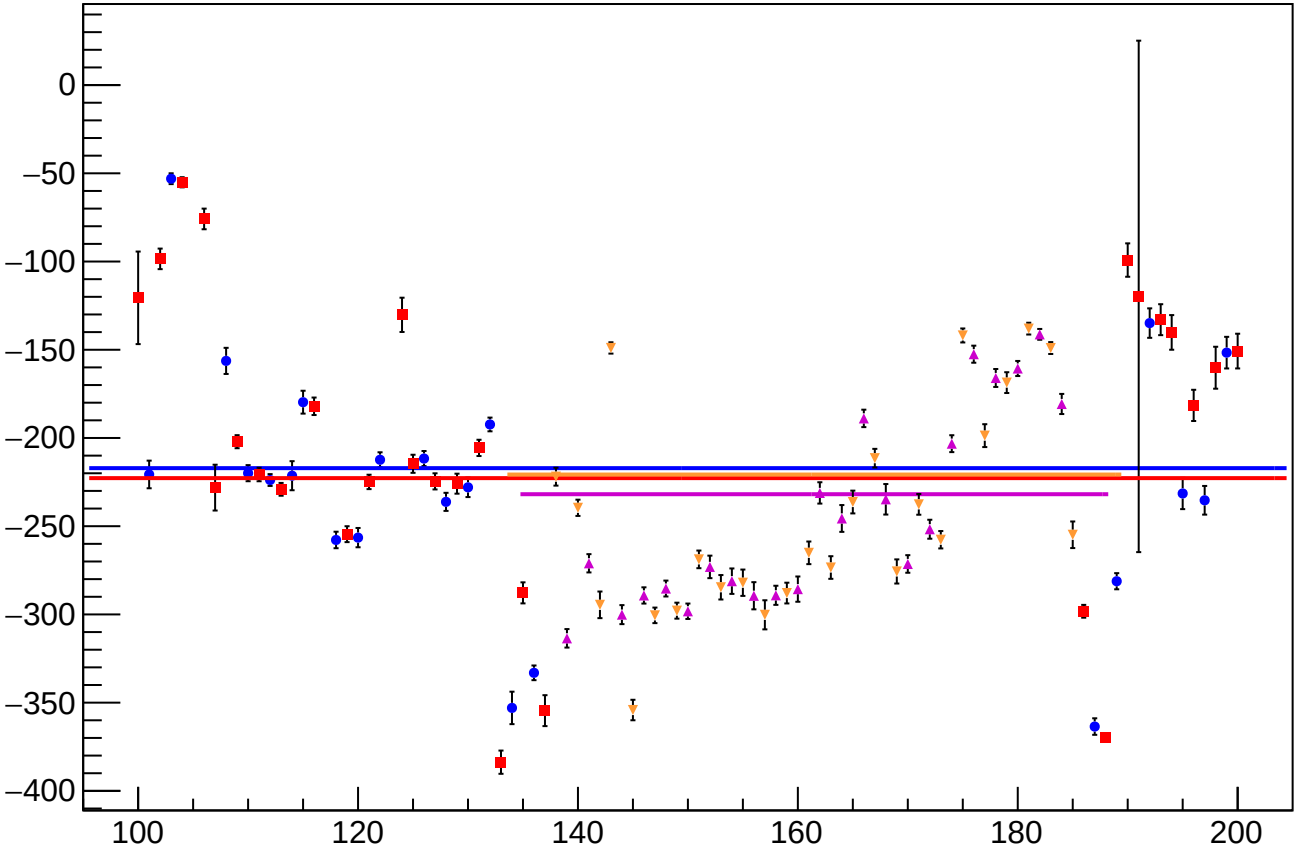
Right: 1.290+/-0.020 χ^2/NDF: 700004.2/49

In: 3.451+/-0.010 χ^2/NDF:616494.1/44

Out: 2.701+/-0.010 χ^2/NDF:839304.7/52

All: 3.070+/-0.007 χ^2/NDF: 1458459.9/97

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -217.098+/-1.078 χ^2/NDF: 5482.7/21

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

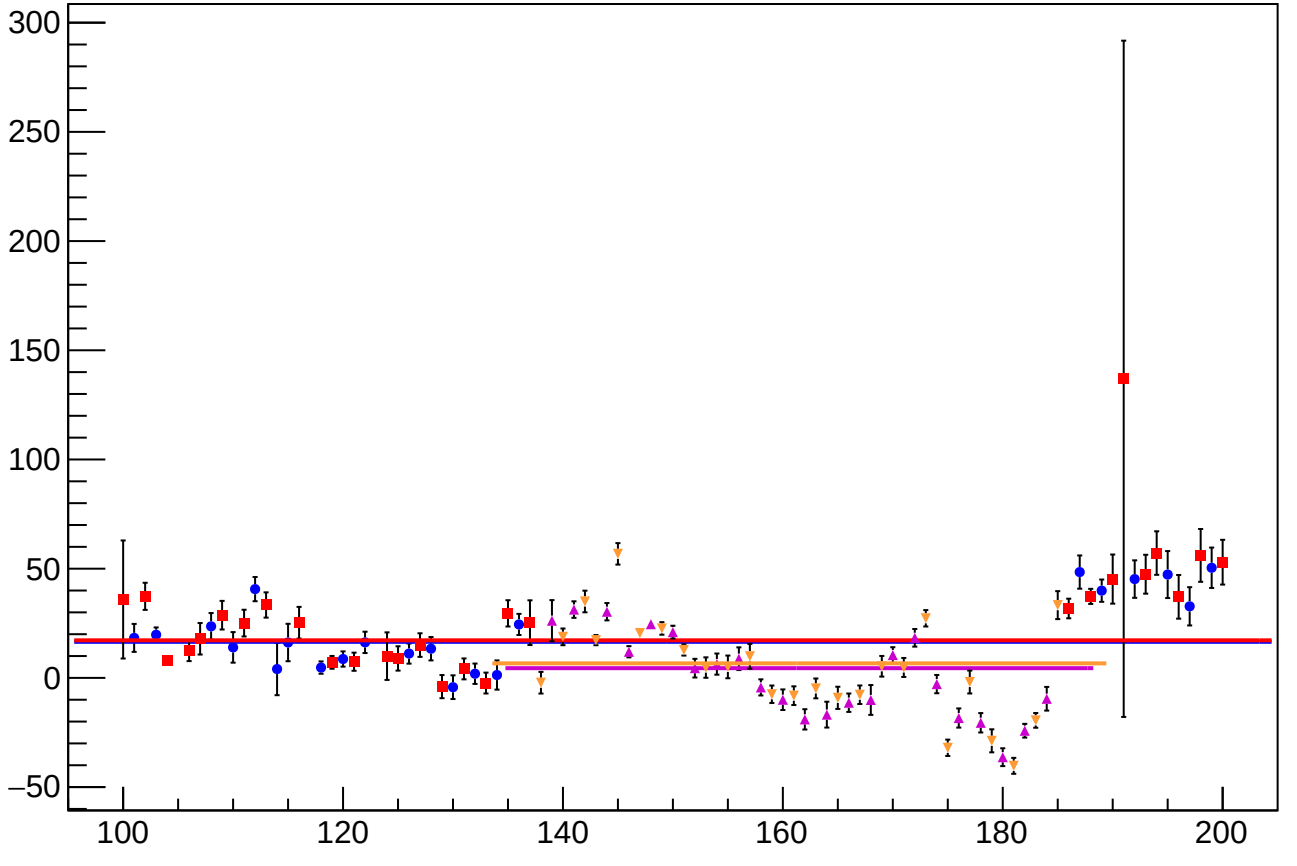
Right: -220.264+/-0.715 χ^2/NDF: 15540.5/49

In: -224.491+/-0.762 χ^2/NDF:8737.1/44

Out: -221.802+/-0.697 χ^2/NDF:14096.7/52

All: -223.027+/-0.514 χ^2/NDF: 22840.6/97

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.521+/-1.122 χ^2/NDF: 154.1/21

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

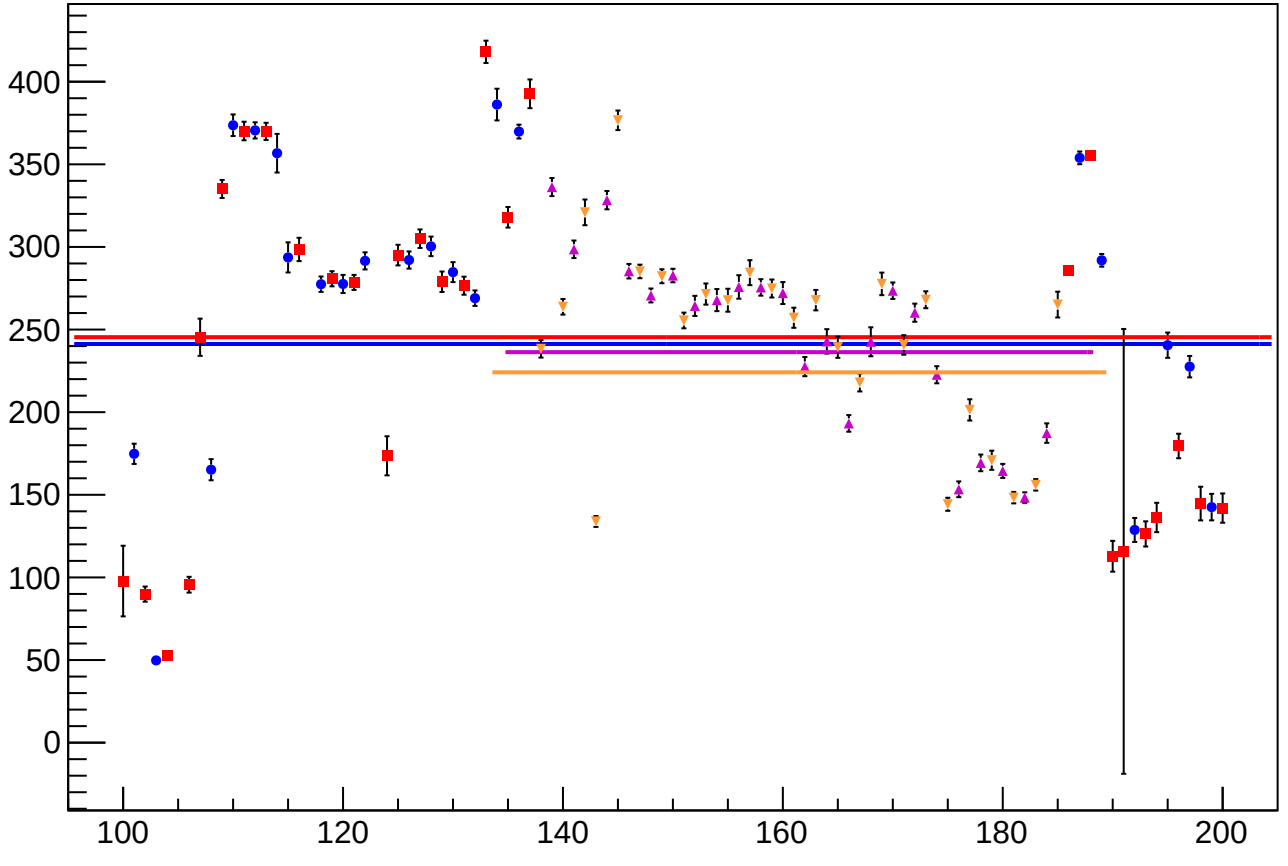
Right: 16.894+/-0.750 χ^2/NDF: 367.1/49

In: 8.562+/-0.655 χ^2/NDF:797.5/44

Out: 10.421+/-0.603 χ^2/NDF:1018.2/52

All: 9.569+/-0.444 χ^2/NDF: 1820.0/97

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 241.267+/-1.090 χ^2/NDF: 10882.0/21

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

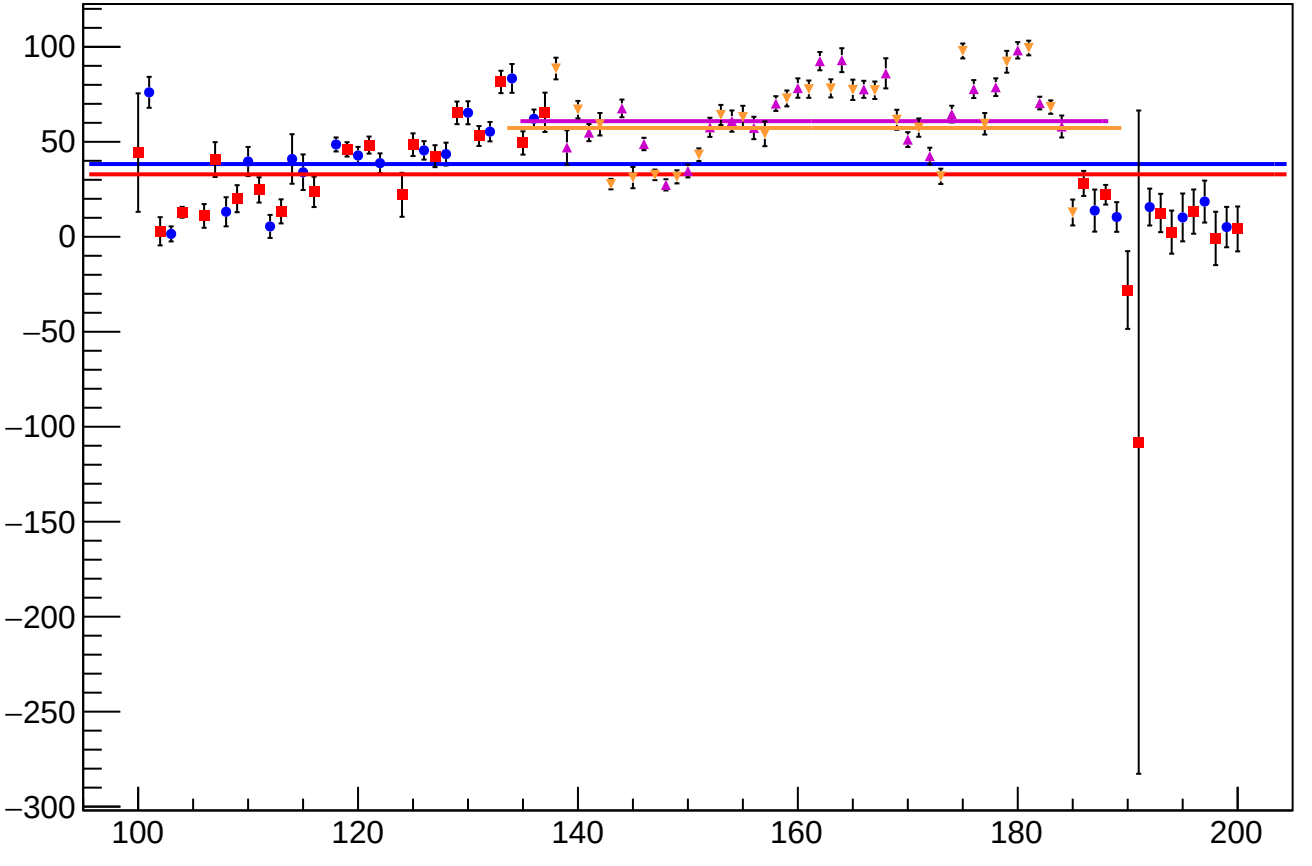
Right: 243.650+/-0.709 χ^2/NDF: 27269.5/49

In: 238.750+/-0.762 χ^2/NDF:13885.3/44

Out: 235.640+/-0.686 χ^2/NDF:20584.3/52

All: 237.032+/-0.510 χ^2/NDF: 34478.9/97

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.295+/-1.324 χ^2/NDF: 291.3/21

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 32.885+/-1.216 χ^2/NDF: 297.9/27

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

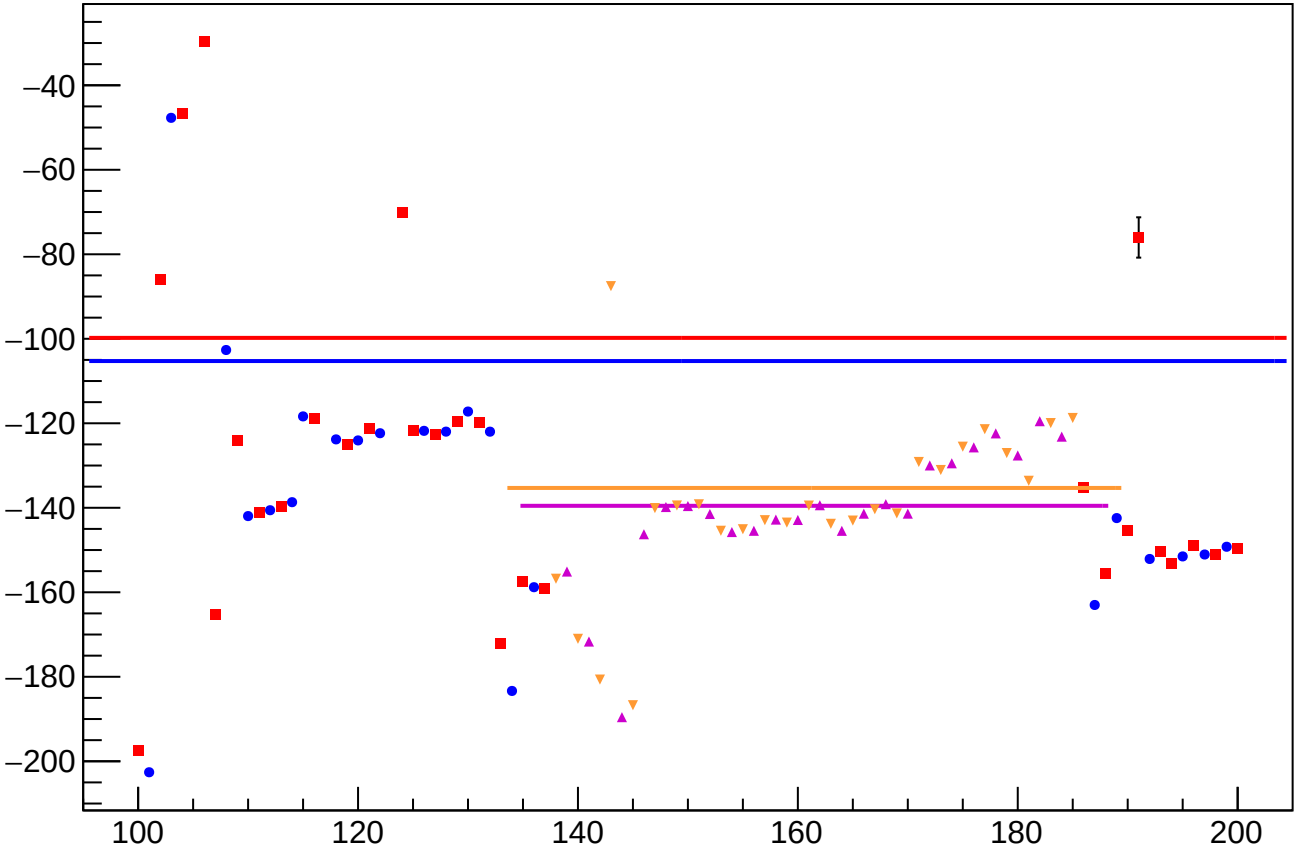
Right: 35.360+/-0.896 χ^2/NDF: 598.2/49

In: 53.496+/-0.757 χ^2/NDF:941.8/44

Out: 49.050+/-0.706 χ^2/NDF:1332.6/52

All: 51.120+/-0.516 χ^2/NDF: 2292.9/97

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -105.269+/-0.063 χ^2/NDF: 631997.1/21

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

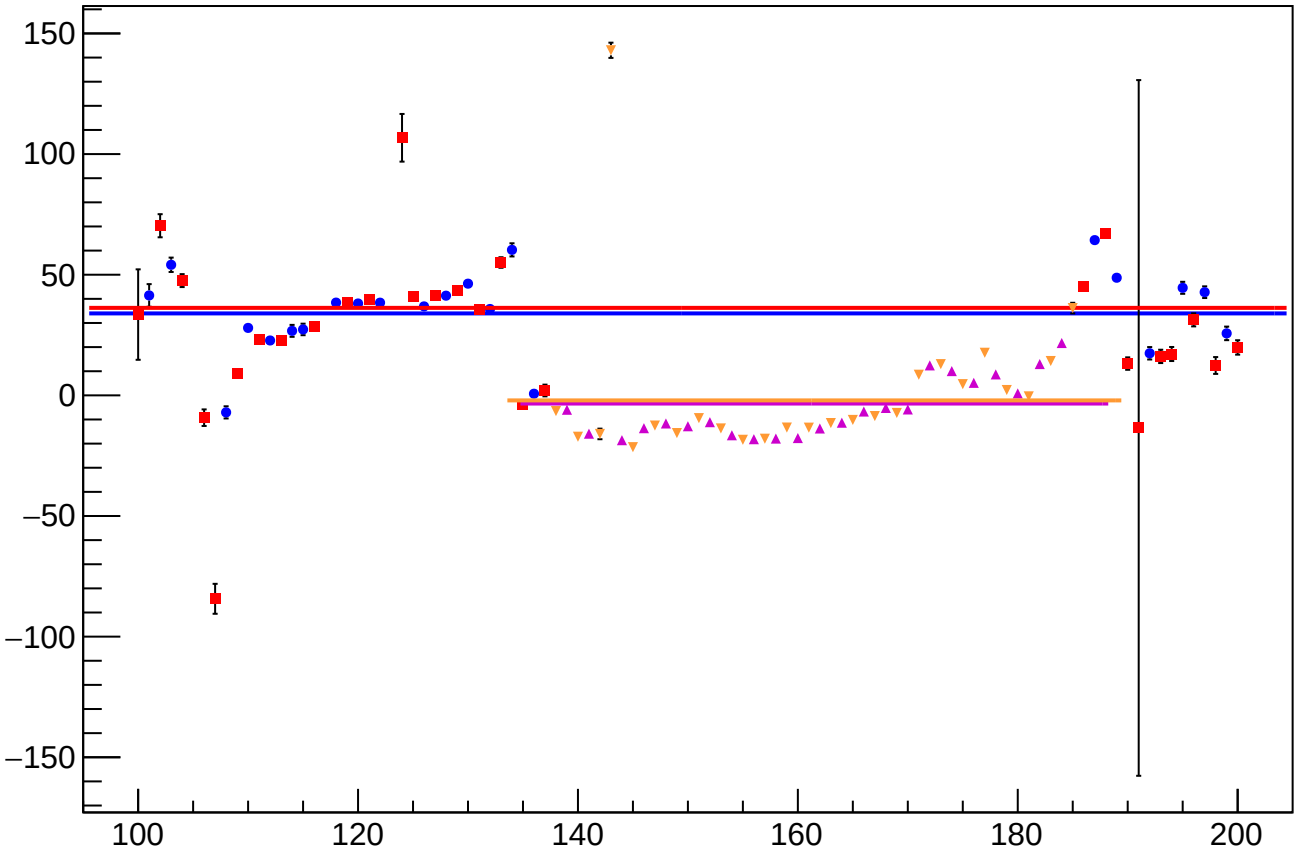
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -102.362+/-0.043 χ^2/NDF: 1323530.3/49

In: -128.933+/-0.035 χ^2/NDF:951295.4/44

Out: -123.959+/-0.033 χ^2/NDF:1195164.3/52

All: -126.335+/-0.024 χ^2/NDF: 2157011.2/97



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

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

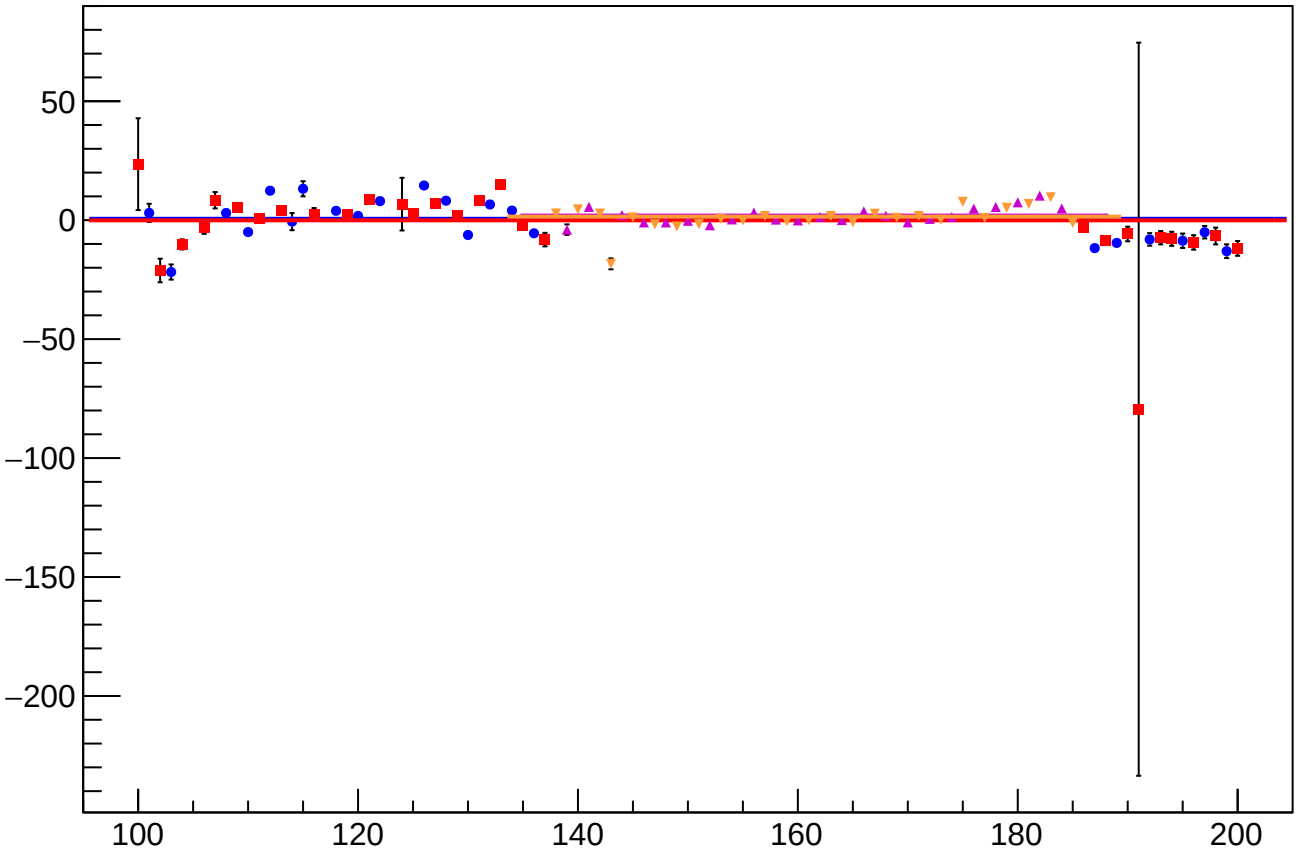
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.283+/-0.241 χ^2/NDF: 6821.8/49

In: 9.688+/-0.219 χ^2/NDF:10623.6/44

Out: 13.718+/-0.205 χ^2/NDF:17288.7/52

All: 11.838+/-0.149 χ^2/NDF: 28093.5/97



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

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

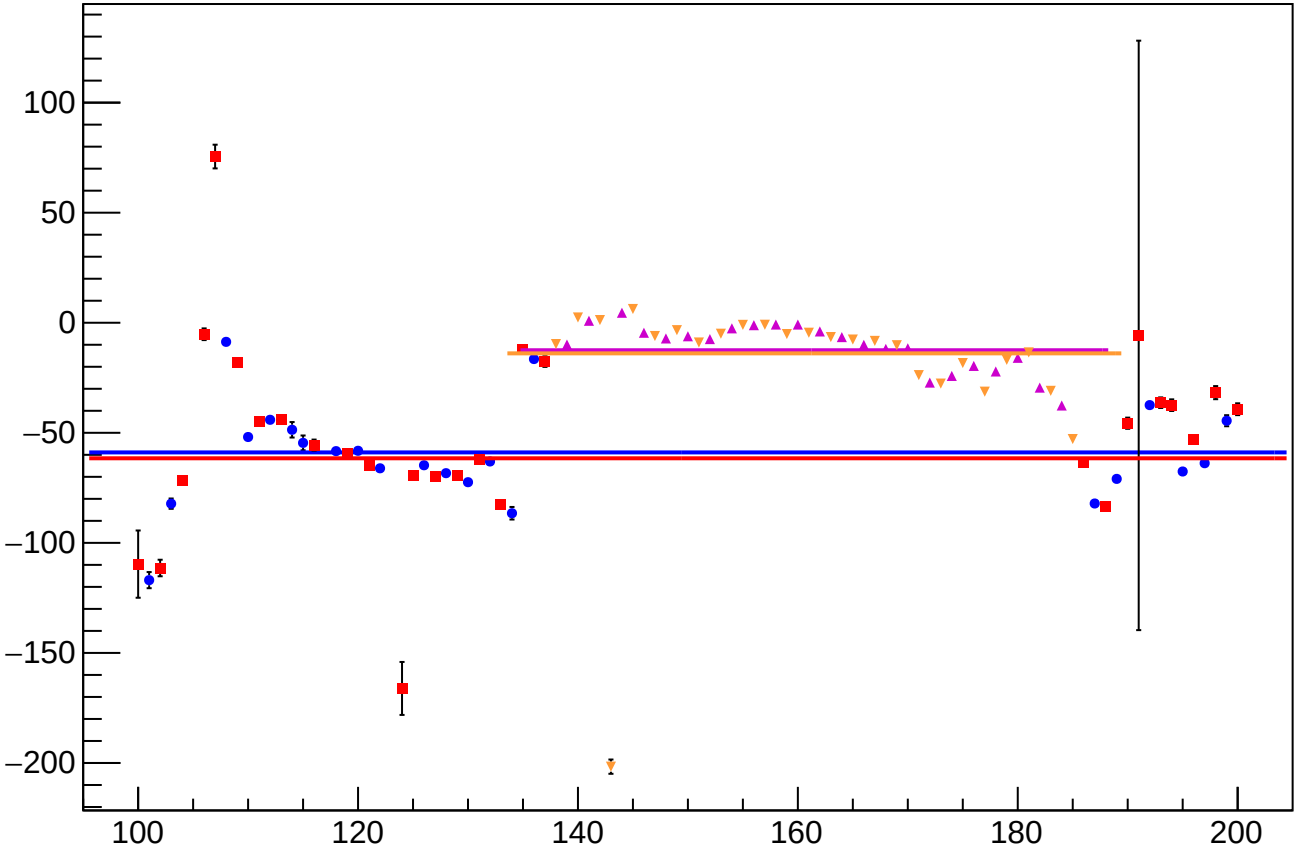
Right: 0.230+/-0.270 χ^2/NDF: 768.8/49

In: 1.637+/-0.186 χ^2/NDF:654.0/44

Out: 1.120+/-0.179 χ^2/NDF:705.3/52

All: 1.369+/-0.129 χ^2/NDF: 1363.3/97

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

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

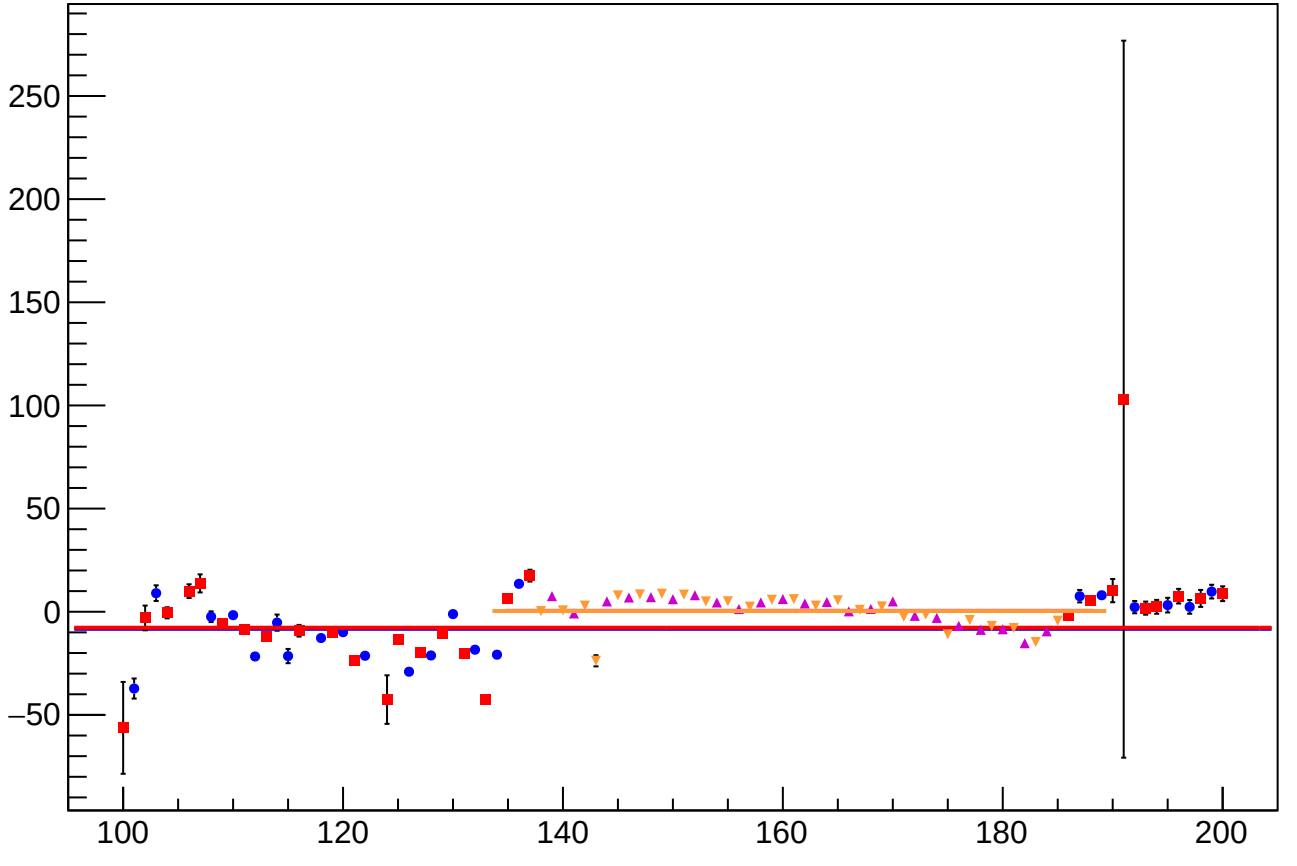
Right: -60.512+/-0.243 χ^2/NDF: 8660.5/49

In: -27.677+/-0.220 χ^2/NDF:14444.0/44

Out: -33.702+/-0.202 χ^2/NDF:23972.9/52

All: -30.945+/-0.149 χ^2/NDF: 38822.3/97

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

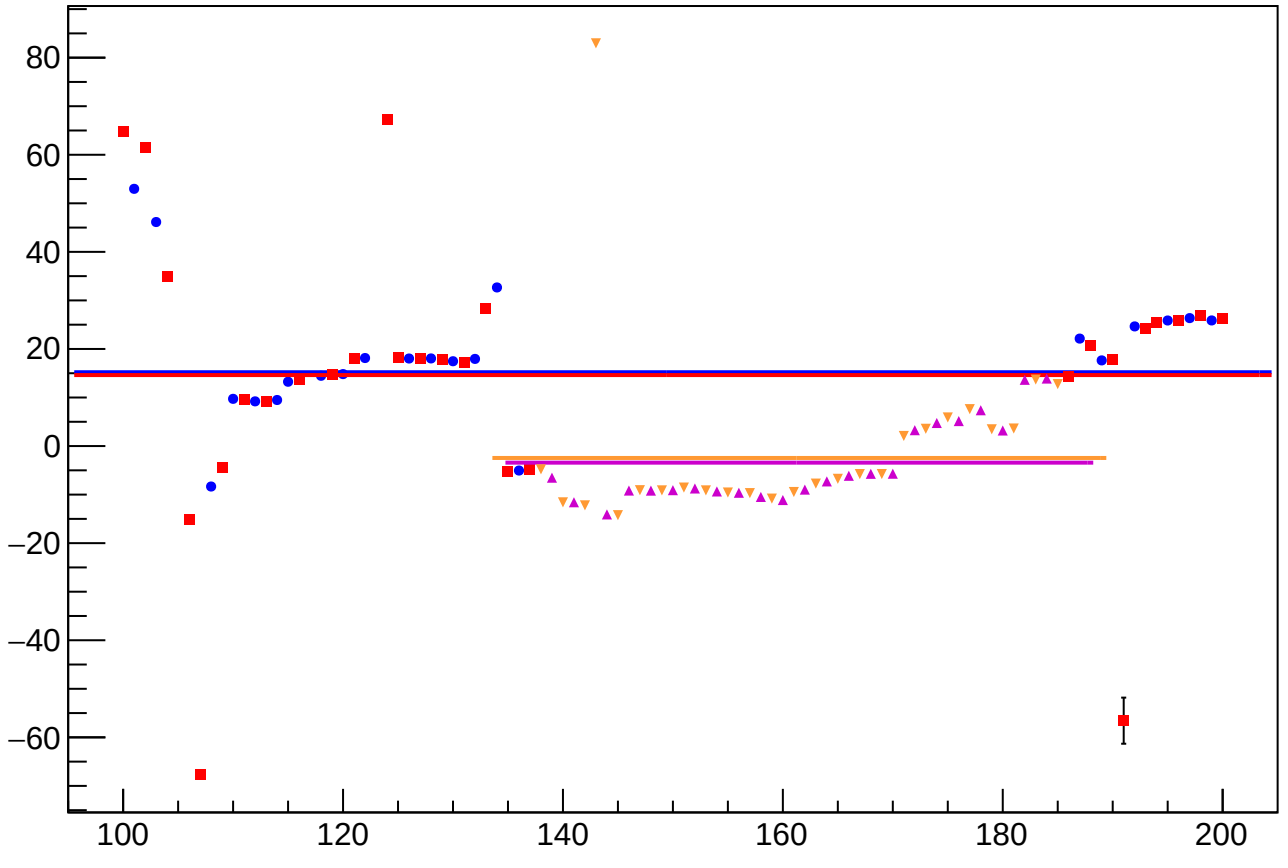
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.993+/-0.322 χ^2/NDF: 1714.9/49

In: -1.343+/-0.211 χ^2/NDF:1885.9/44

Out: -1.379+/-0.205 χ^2/NDF:2068.9/52

All: -1.362+/-0.147 χ^2/NDF: 3954.9/97



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

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

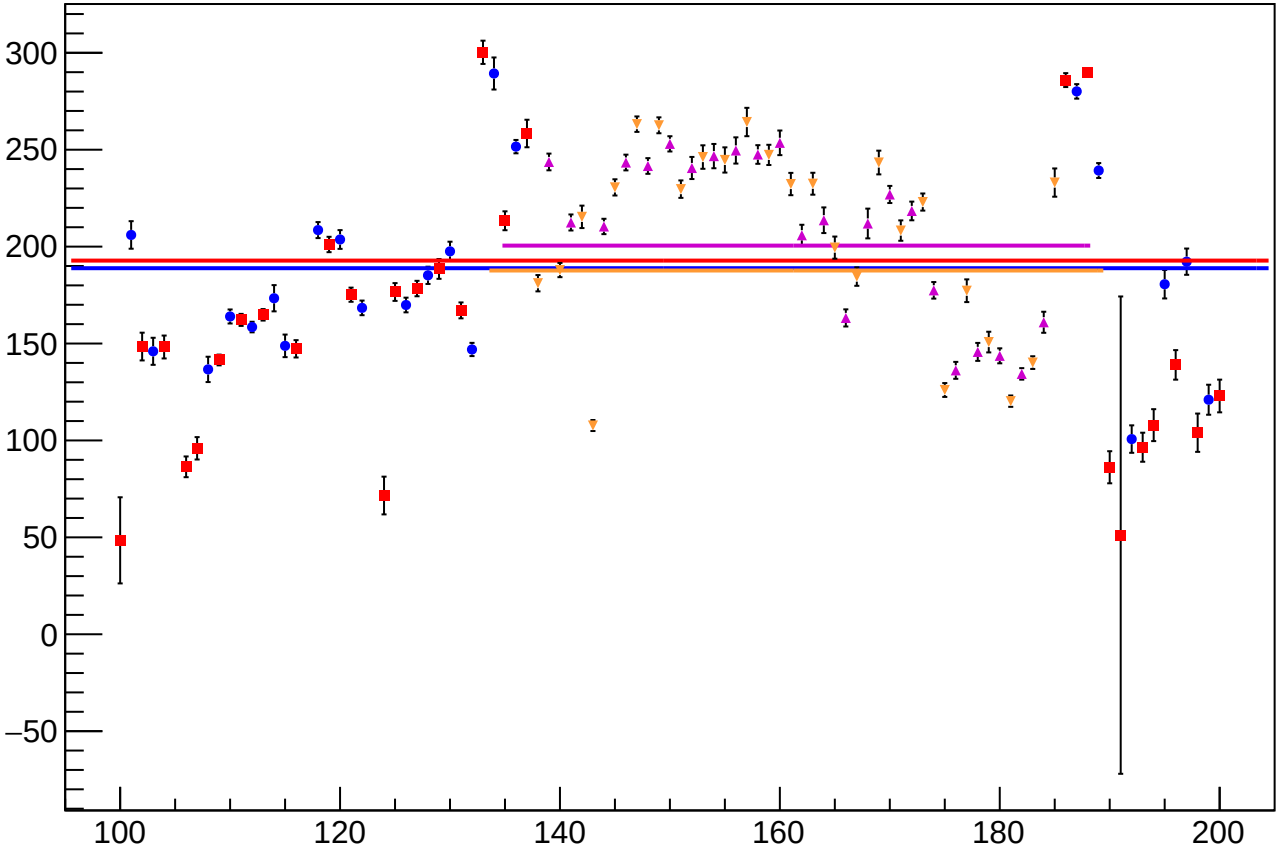
Right: 14.902+/-0.017 χ^2/NDF: 943179.1/49

In: -0.627+/-0.010 χ^2/NDF:1433358.3/44

Out: 0.228+/-0.010 χ^2/NDF:1921796.6/52

All: -0.195+/-0.007 χ^2/NDF: 3359148.6/97

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

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

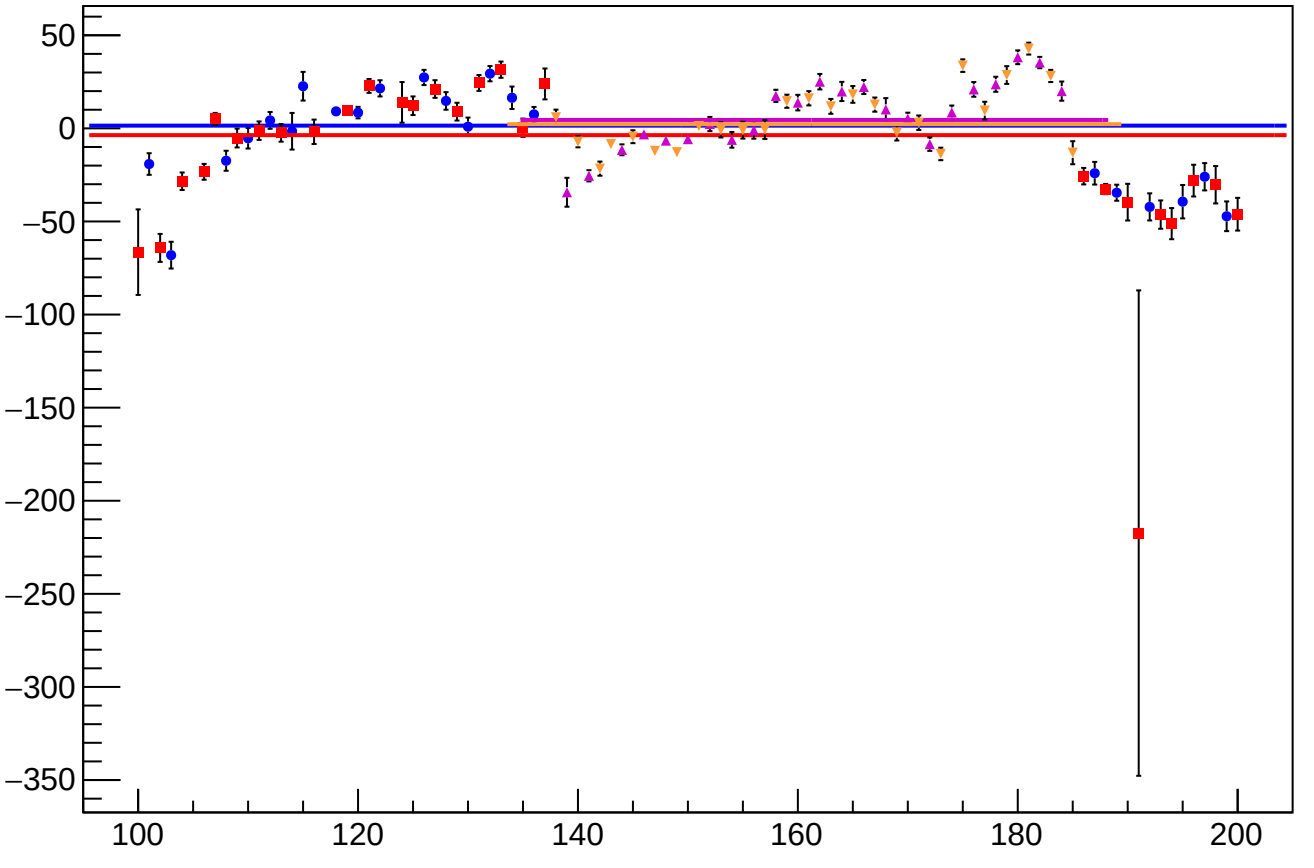
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.089+/-0.640 χ^2/NDF: 7886.7/49

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

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

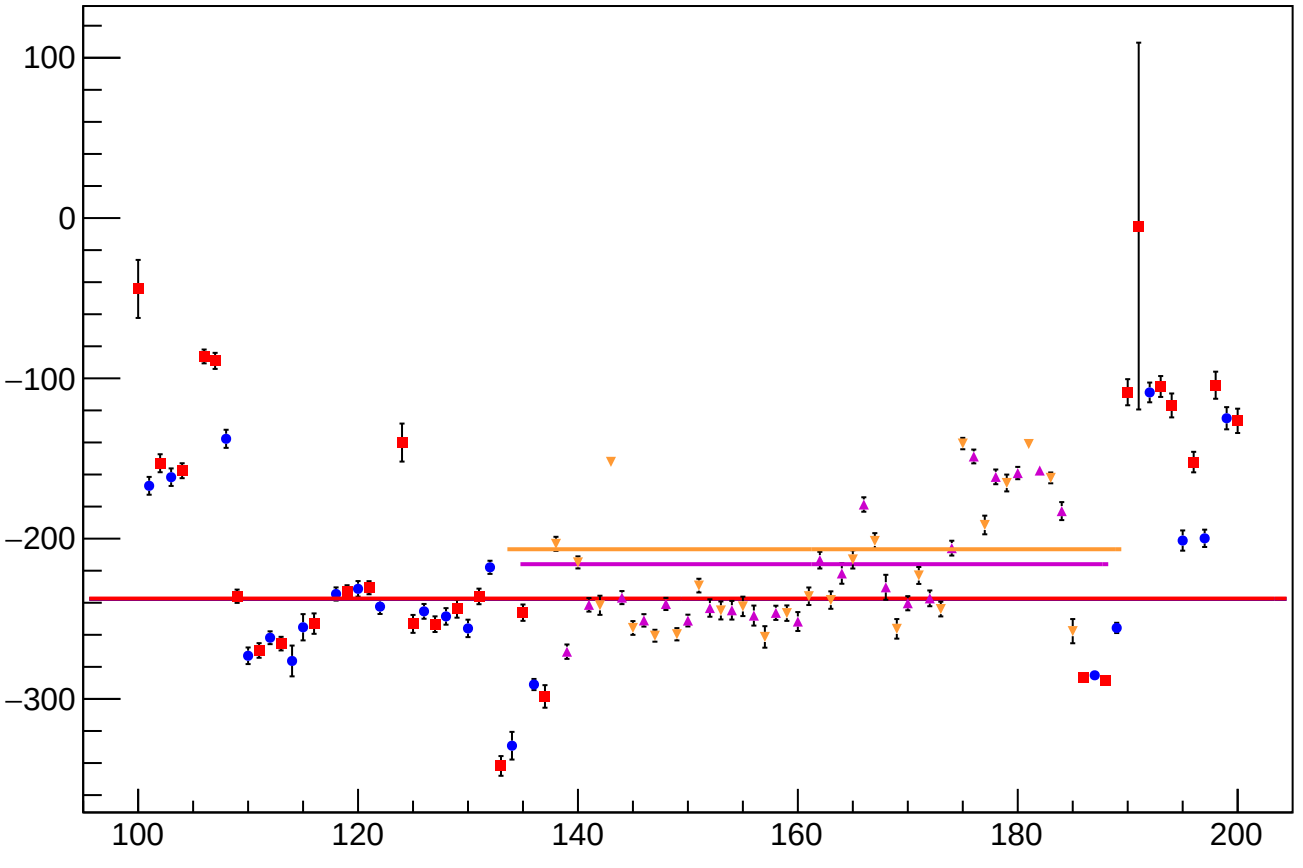
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.326+/-0.690 χ^2/NDF: 1101.8/49

In: 3.514+/-0.586 χ^2/NDF:1015.1/44

Out: 0.266+/-0.541 χ^2/NDF:1253.5/52

All: 1.762+/-0.398 χ^2/NDF: 2285.2/97



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

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

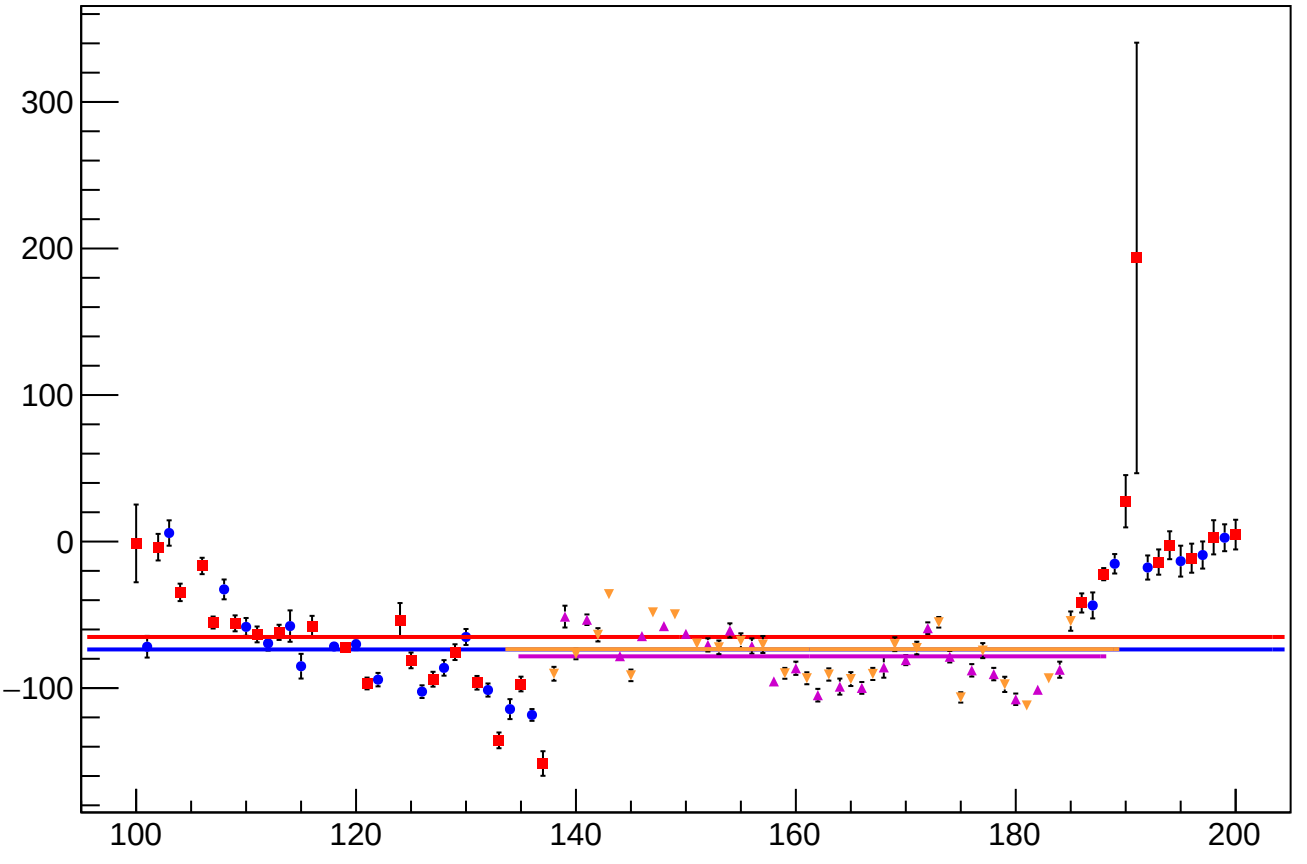
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -237.500+/-0.658 χ^2/NDF: 8418.5/49

In: -225.944+/-0.695 χ^2/NDF:4175.0/44

Out: -222.622+/-0.620 χ^2/NDF:9281.2/52

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

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

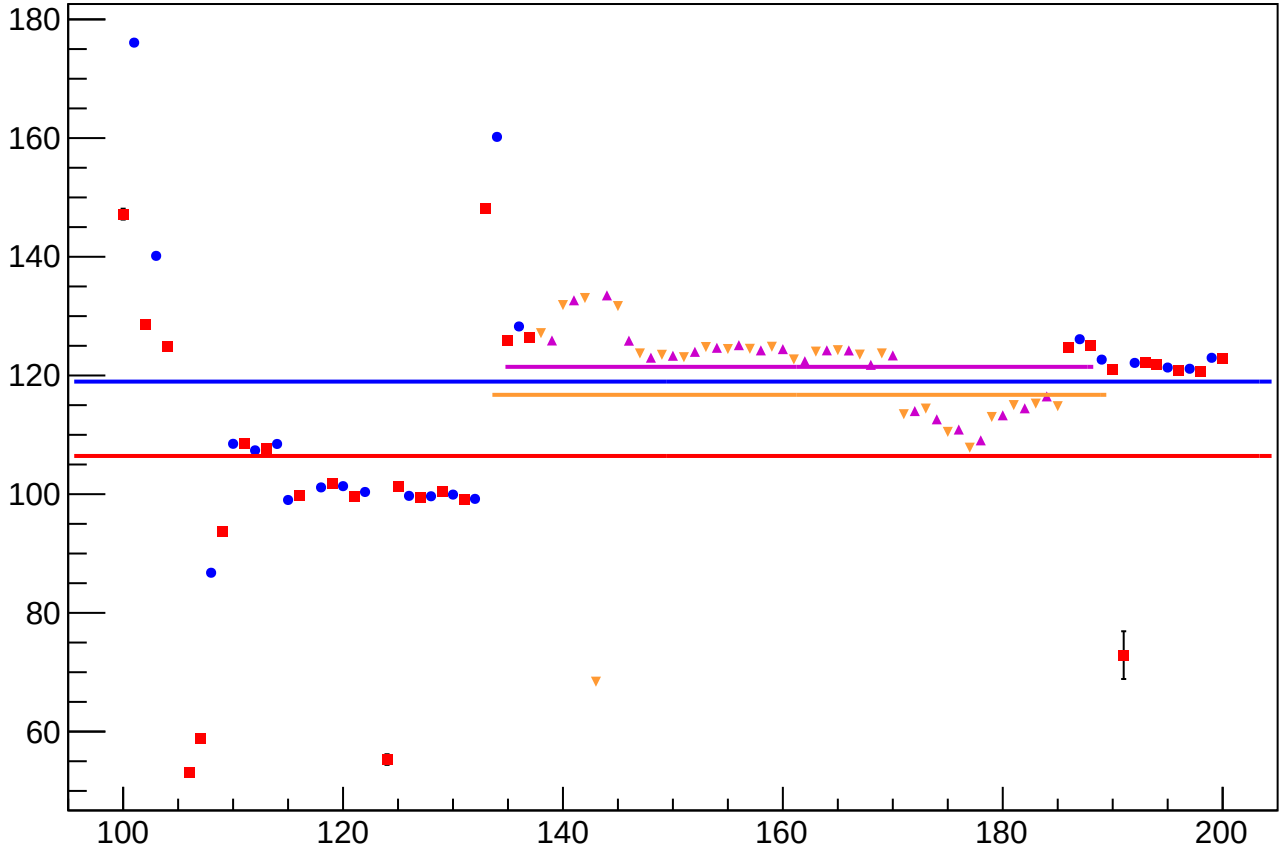
Right: -69.052+/-0.821 χ^2/NDF: 1693.7/49

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -70.773+/-0.633 χ^2/NDF:1852.1/52

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

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

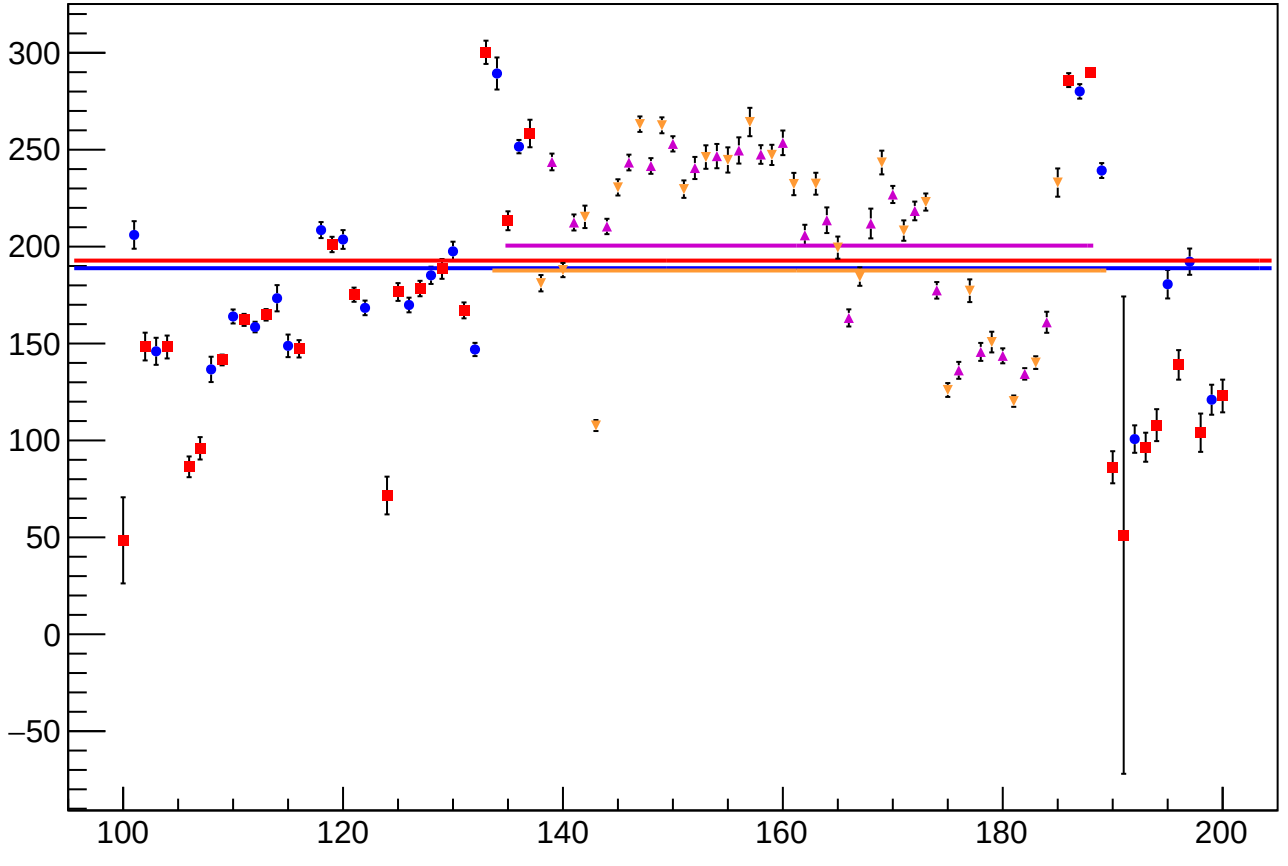
Right: 111.945+/-0.044 χ^2/NDF: 314798.4/49

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

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

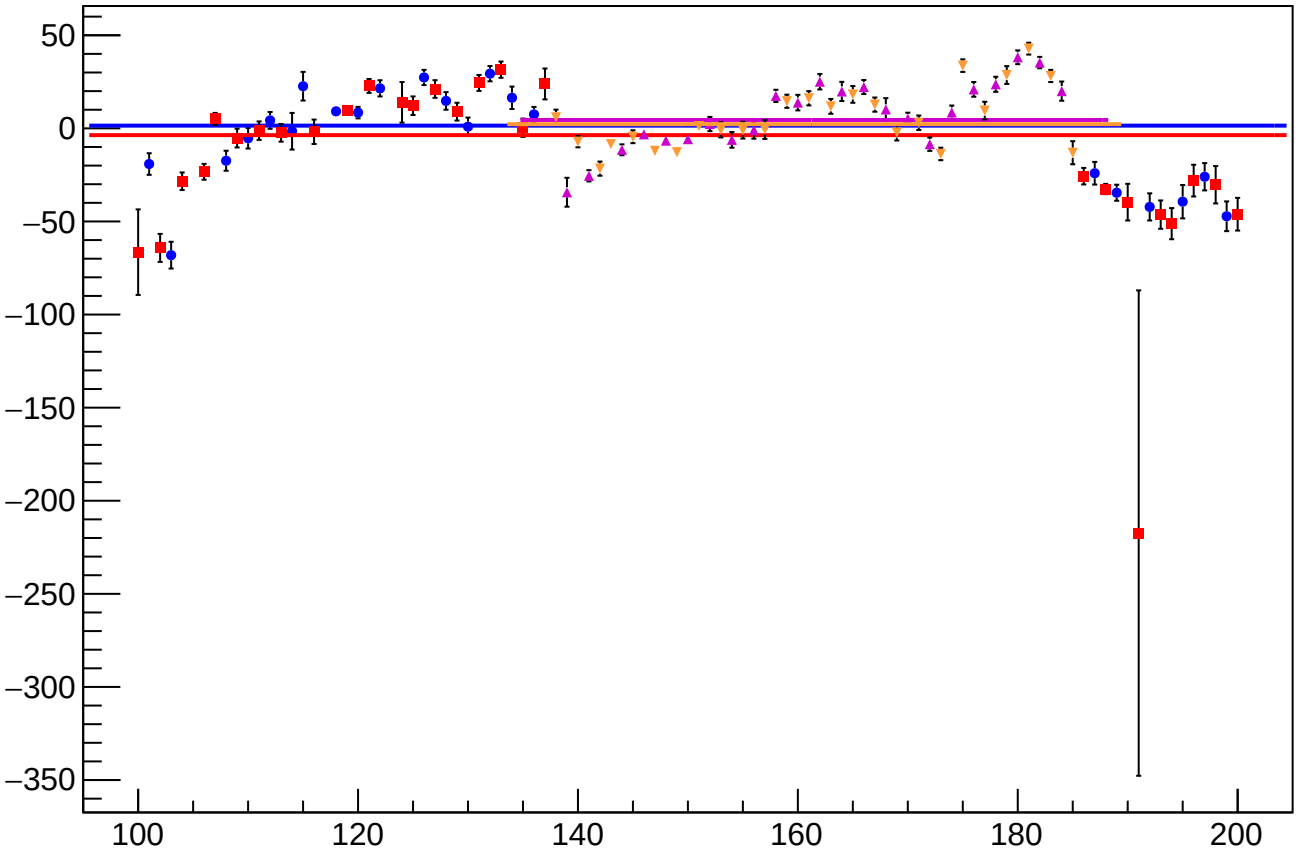
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.089+/-0.640 χ^2/NDF: 7886.7/49

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.374+/-0.617 χ^2/NDF:9375.2/52

All: 192.368+/-0.458 χ^2/NDF: 13630.6/97



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

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

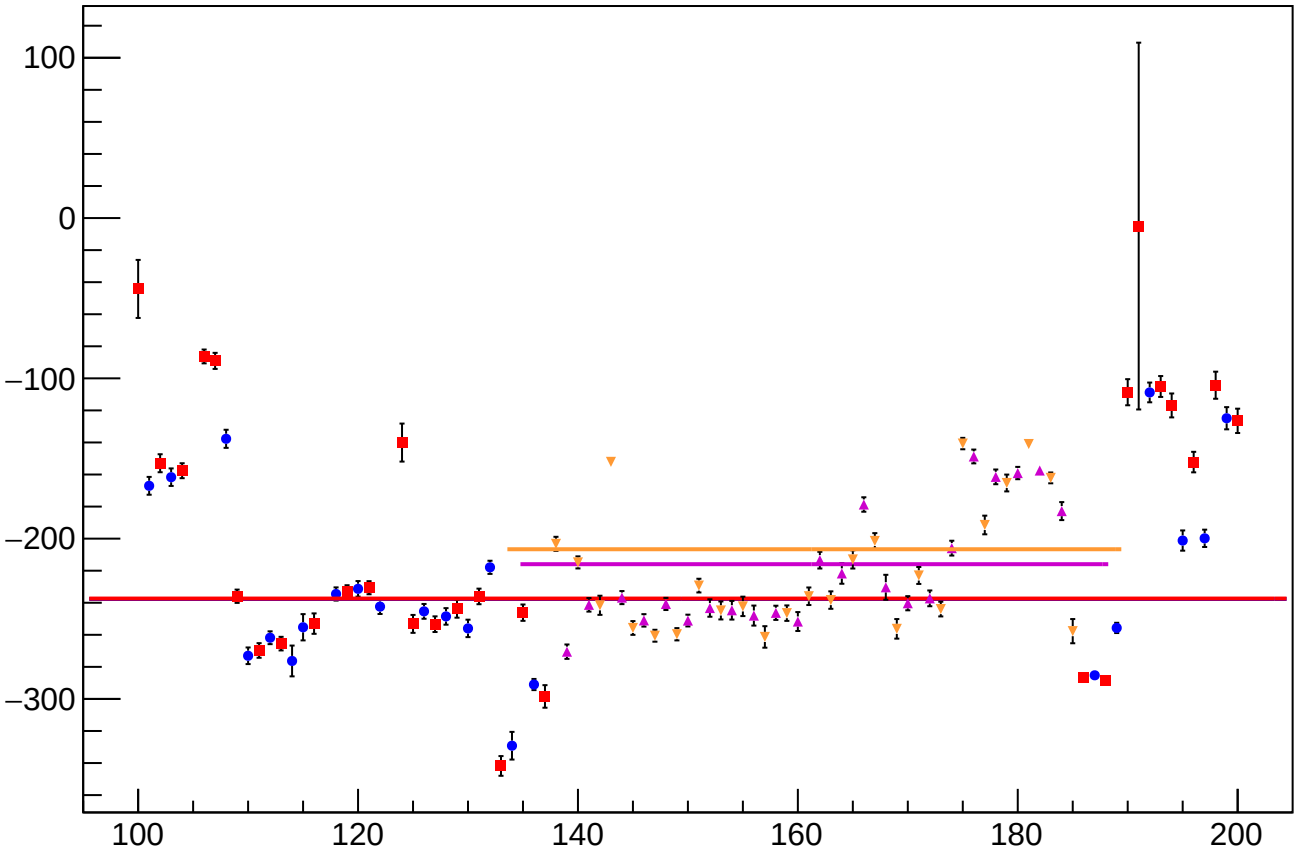
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.326+/-0.690 χ^2/NDF: 1101.8/49

In: 3.514+/-0.586 χ^2/NDF:1015.1/44

Out: 0.266+/-0.541 χ^2/NDF:1253.5/52

All: 1.762+/-0.398 χ^2/NDF: 2285.2/97



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

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

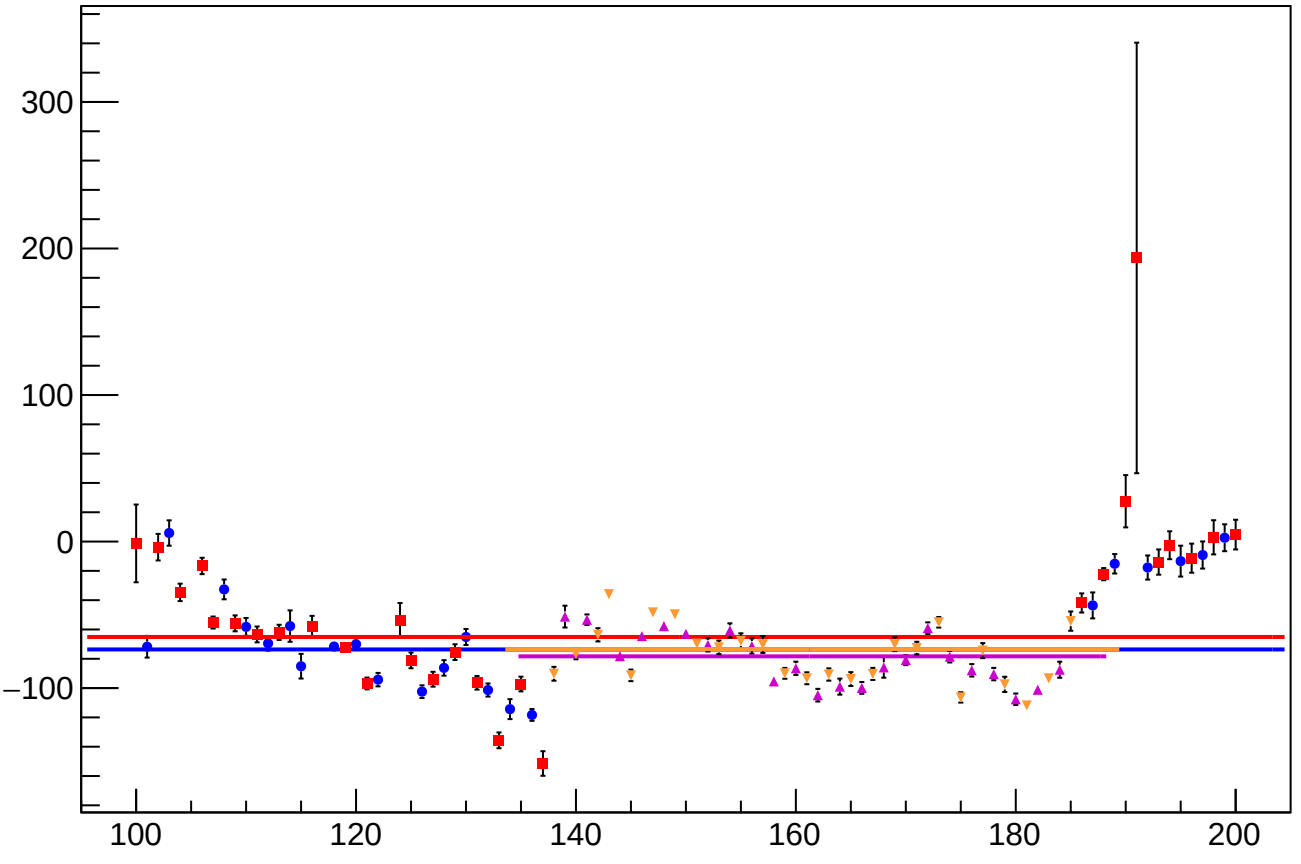
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -237.500+/-0.658 χ^2/NDF: 8418.5/49

In: -225.944+/-0.695 χ^2/NDF:4175.0/44

Out: -222.622+/-0.620 χ^2/NDF:9281.2/52

All: -224.094+/-0.463 χ^2/NDF: 13468.9/97



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

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

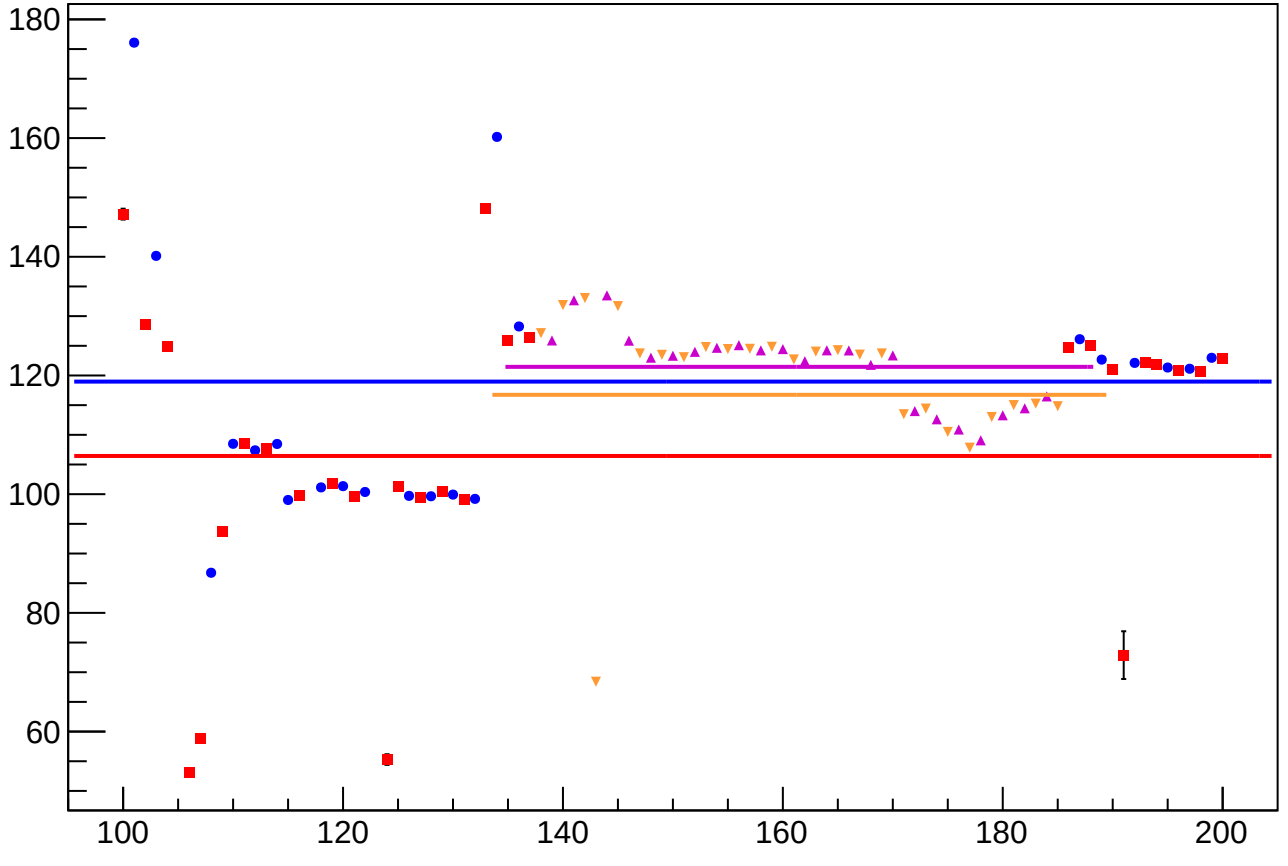
Right: -69.052+/-0.821 χ^2/NDF: 1693.7/49

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -70.773+/-0.633 χ^2/NDF:1852.1/52

All: -73.607+/-0.462 χ^2/NDF: 3037.7/97

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

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

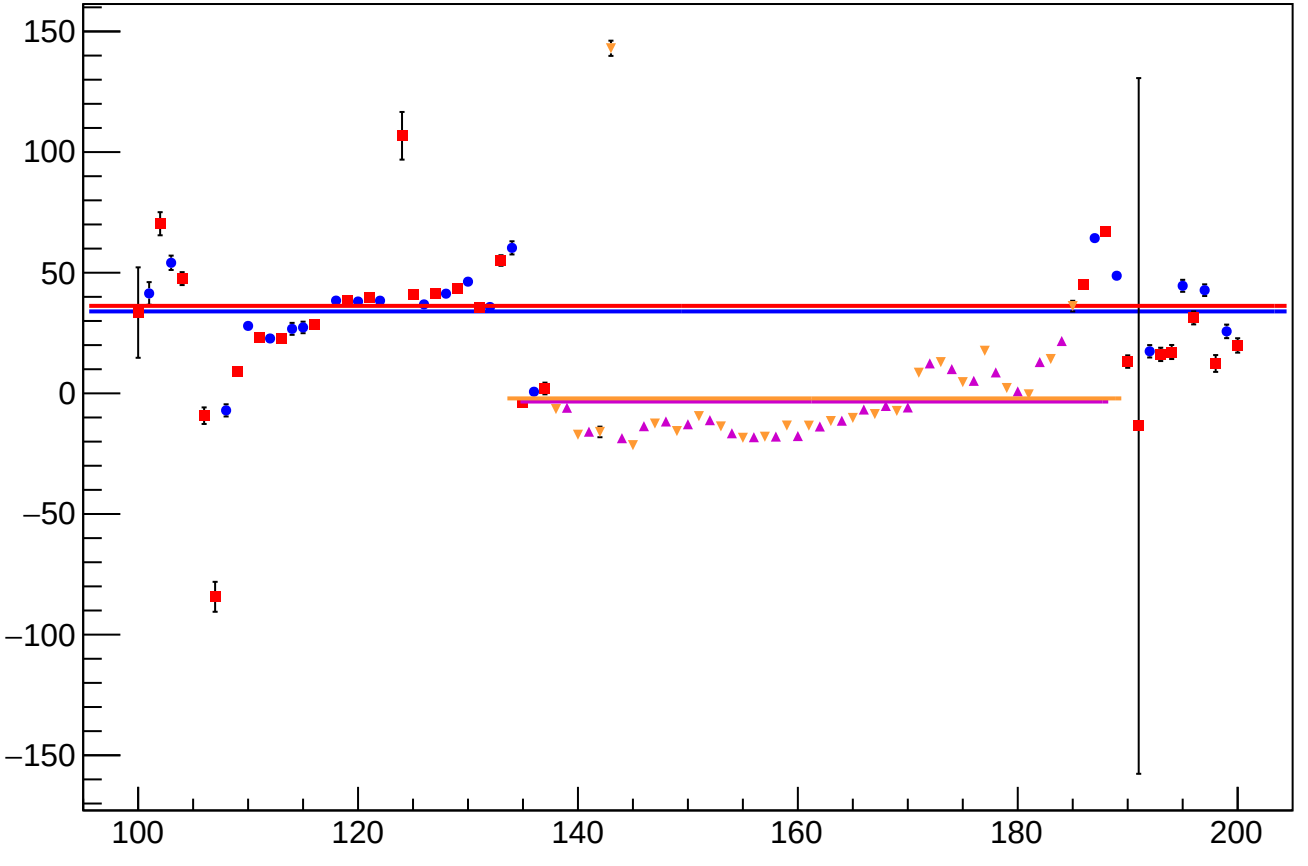
Right: 111.945+/-0.044 χ^2/NDF: 314798.4/49

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.963+/-0.031 χ^2/NDF:424406.4/52

All: 117.204+/-0.022 χ^2/NDF: 574619.8/97

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

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

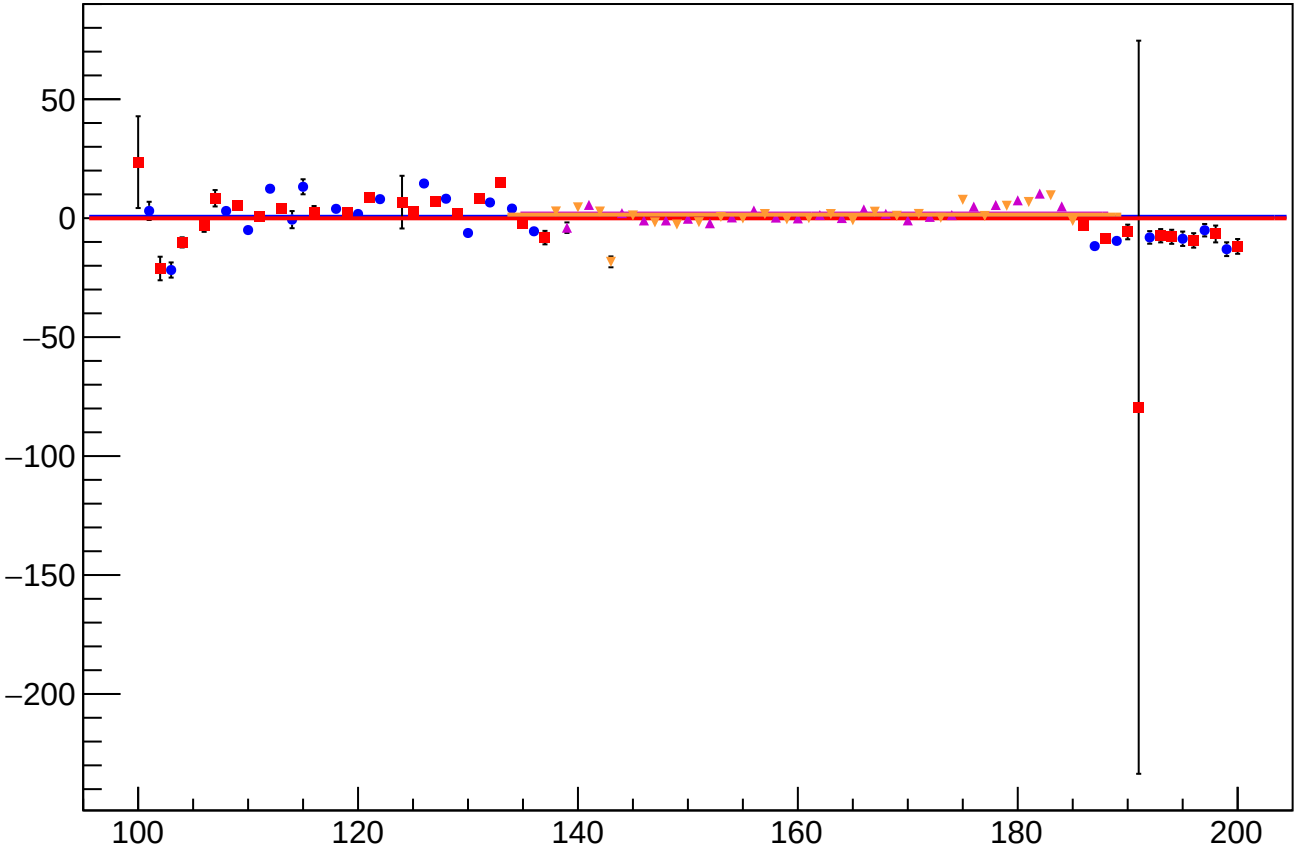
Right: 35.283+/-0.241 χ^2/NDF: 6821.8/49

In: 9.688+/-0.219 χ^2/NDF:10623.6/44

Out: 13.718+/-0.205 χ^2/NDF:17288.7/52

All: 11.838+/-0.149 χ^2/NDF: 28093.5/97

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

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

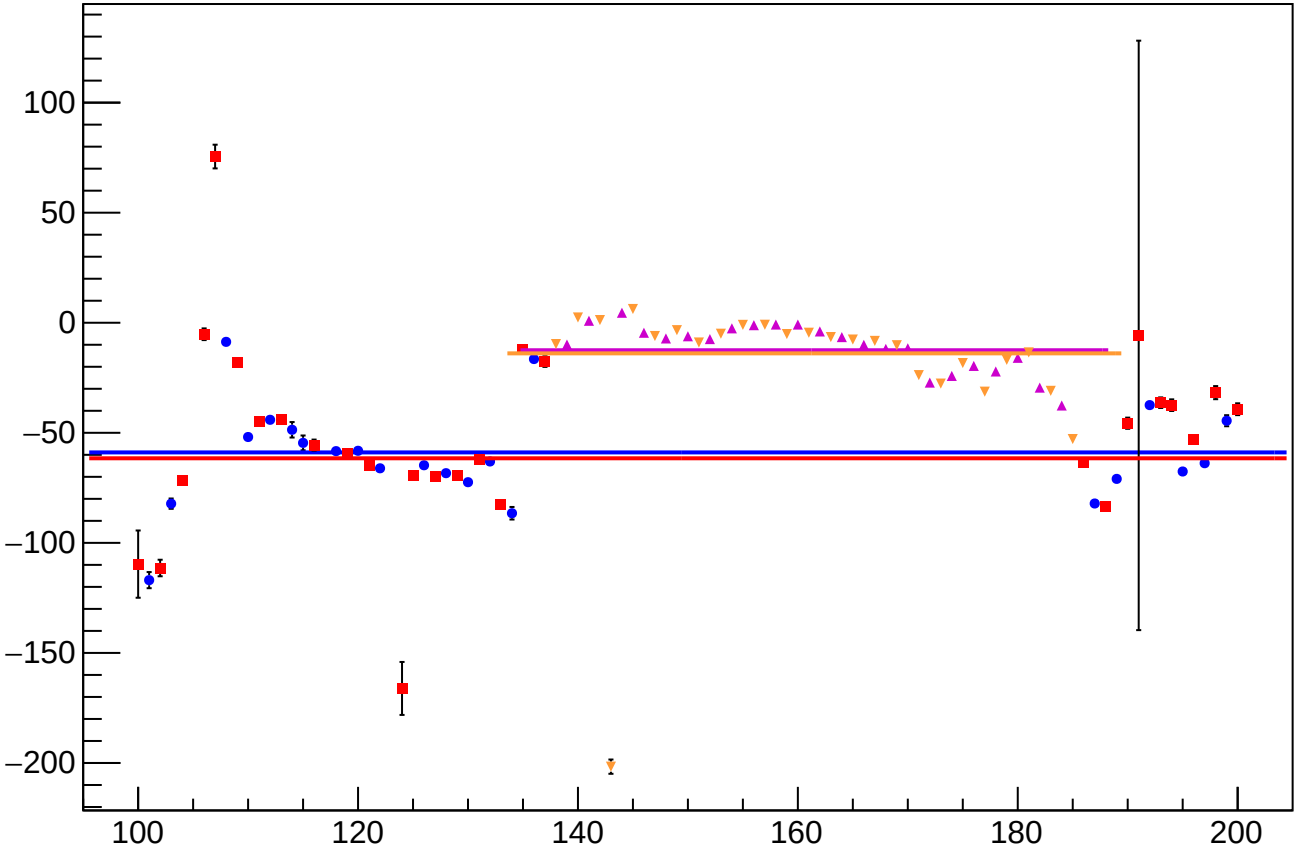
Right: 0.230+/-0.270 χ^2/NDF: 768.8/49

In: 1.637+/-0.186 χ^2/NDF:654.0/44

Out: 1.120+/-0.179 χ^2/NDF:705.3/52

All: 1.369+/-0.129 χ^2/NDF: 1363.3/97

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

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

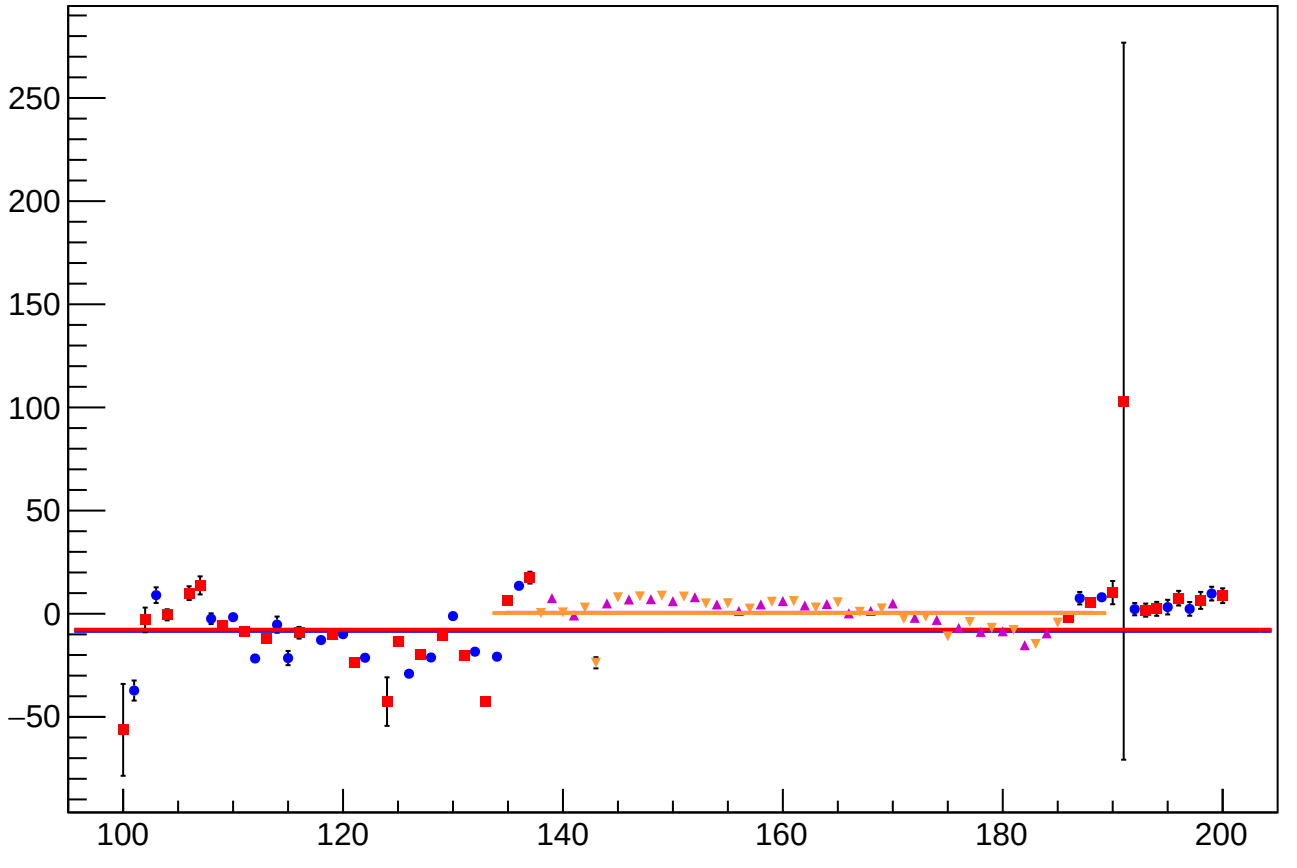
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.512+/-0.243 χ^2/NDF: 8660.5/49

In: -27.677+/-0.220 χ^2/NDF:14444.0/44

Out: -33.702+/-0.202 χ^2/NDF:23972.9/52

All: -30.945+/-0.149 χ^2/NDF: 38822.3/97



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

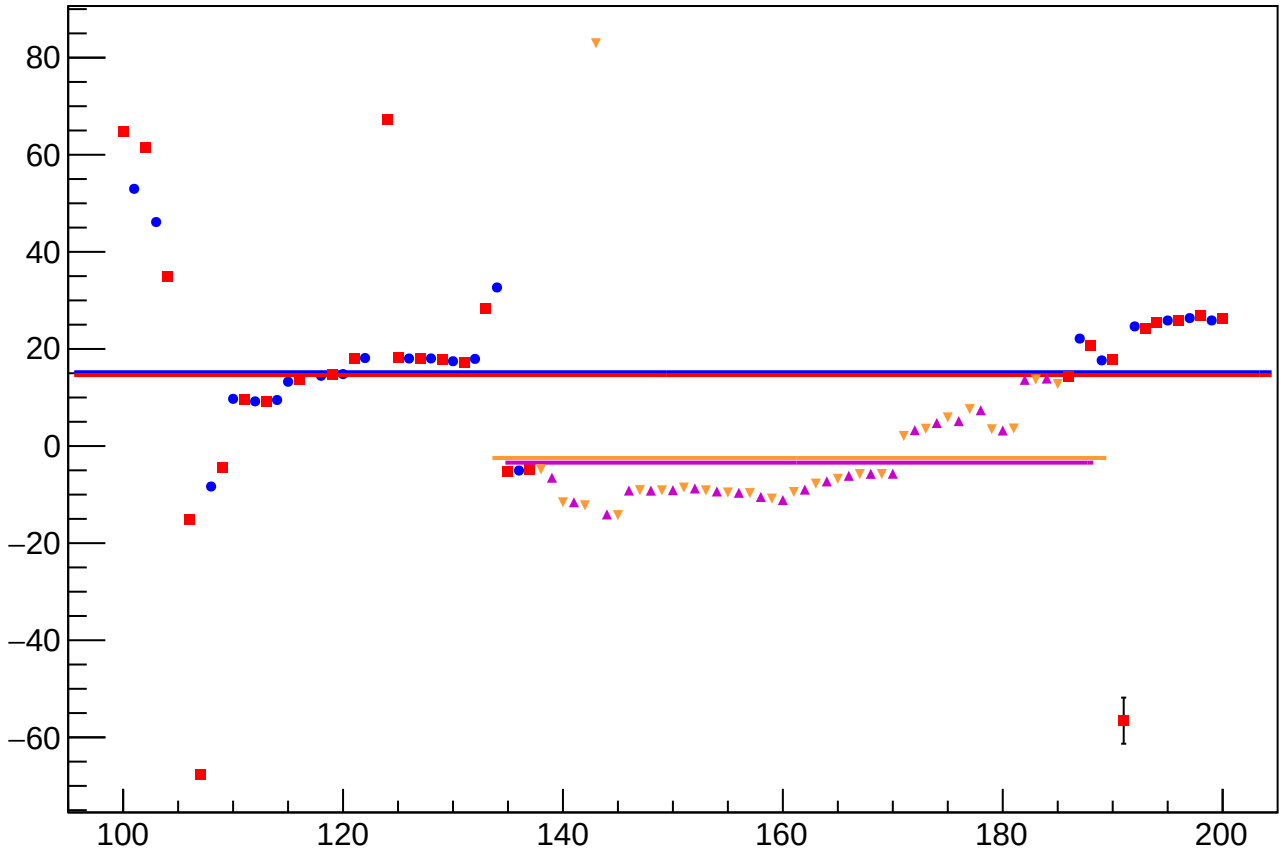
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.993+/-0.322 χ^2/NDF: 1714.9/49

In: -1.343+/-0.211 χ^2/NDF:1885.9/44

Out: -1.379+/-0.205 χ^2/NDF:2068.9/52

All: -1.362+/-0.147 χ^2/NDF: 3954.9/97



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

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

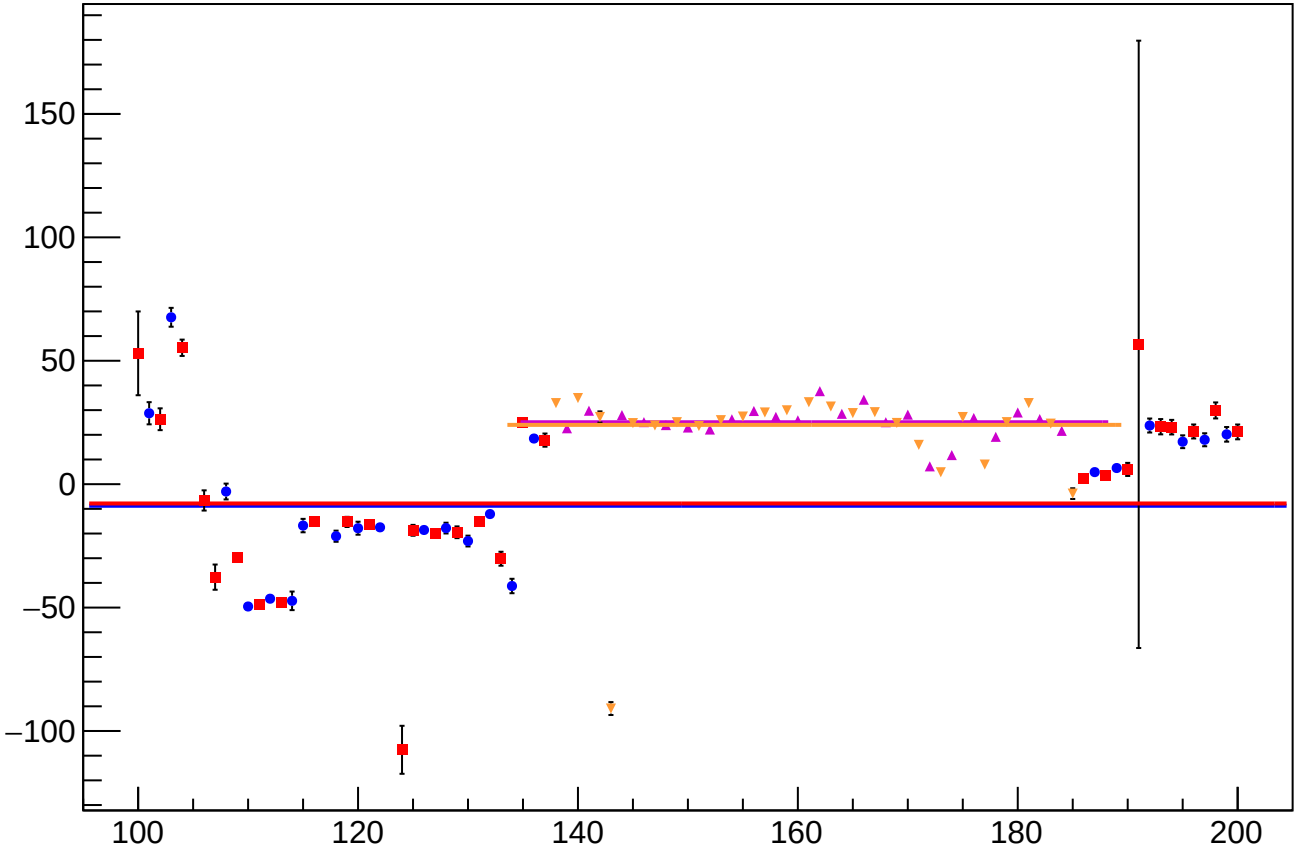
Right: 14.902+/-0.017 χ^2/NDF: 943179.1/49

In: -0.627+/-0.010 χ^2/NDF:1433358.3/44

Out: 0.228+/-0.010 χ^2/NDF:1921796.6/52

All: -0.195+/-0.007 χ^2/NDF: 3359148.6/97

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

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

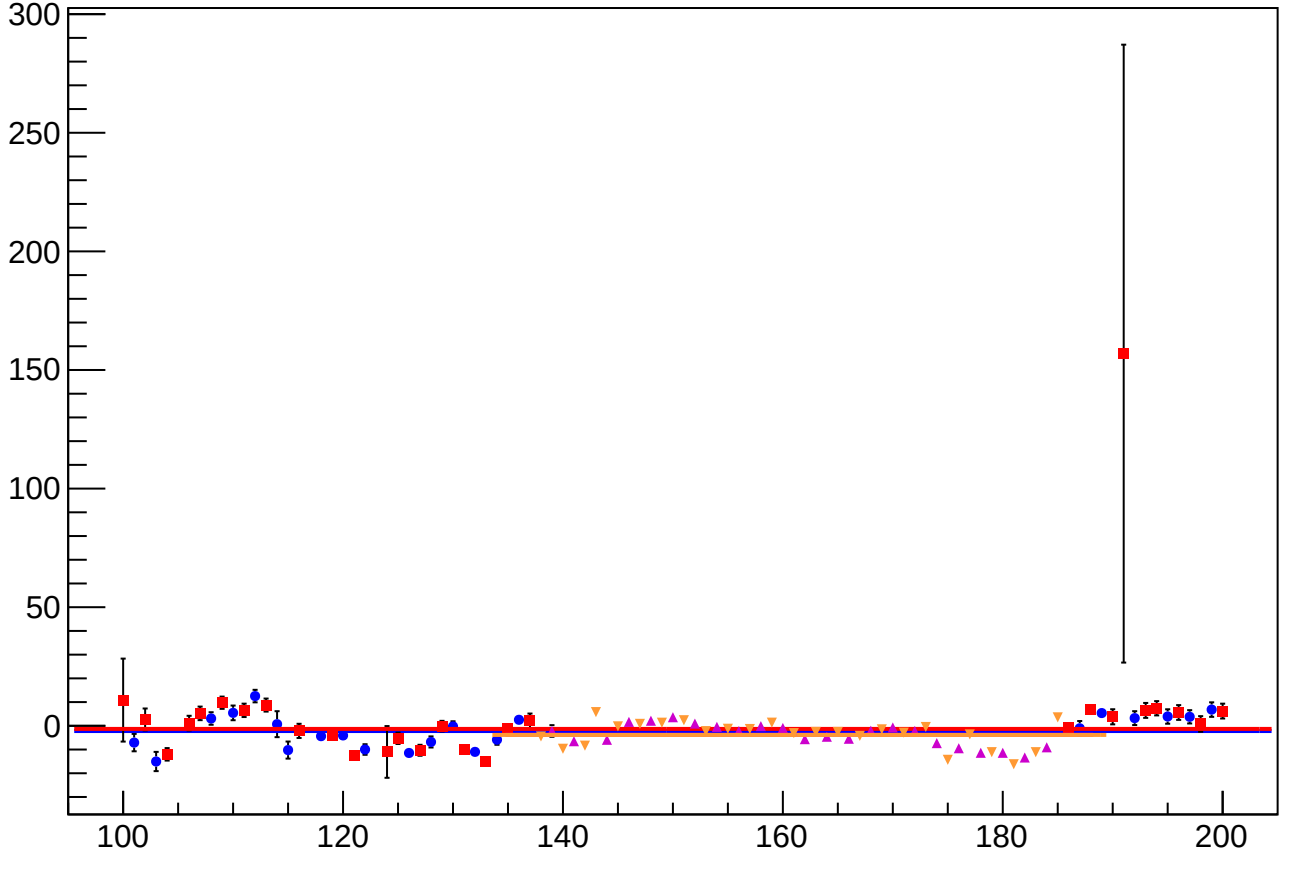
Right: -8.225+/-0.311 χ^2/NDF: 6061.5/49

In: 15.889+/-0.245 χ^2/NDF:7091.8/44

Out: 13.991+/-0.233 χ^2/NDF:10055.7/52

All: 14.894+/-0.169 χ^2/NDF: 17179.0/97

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

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

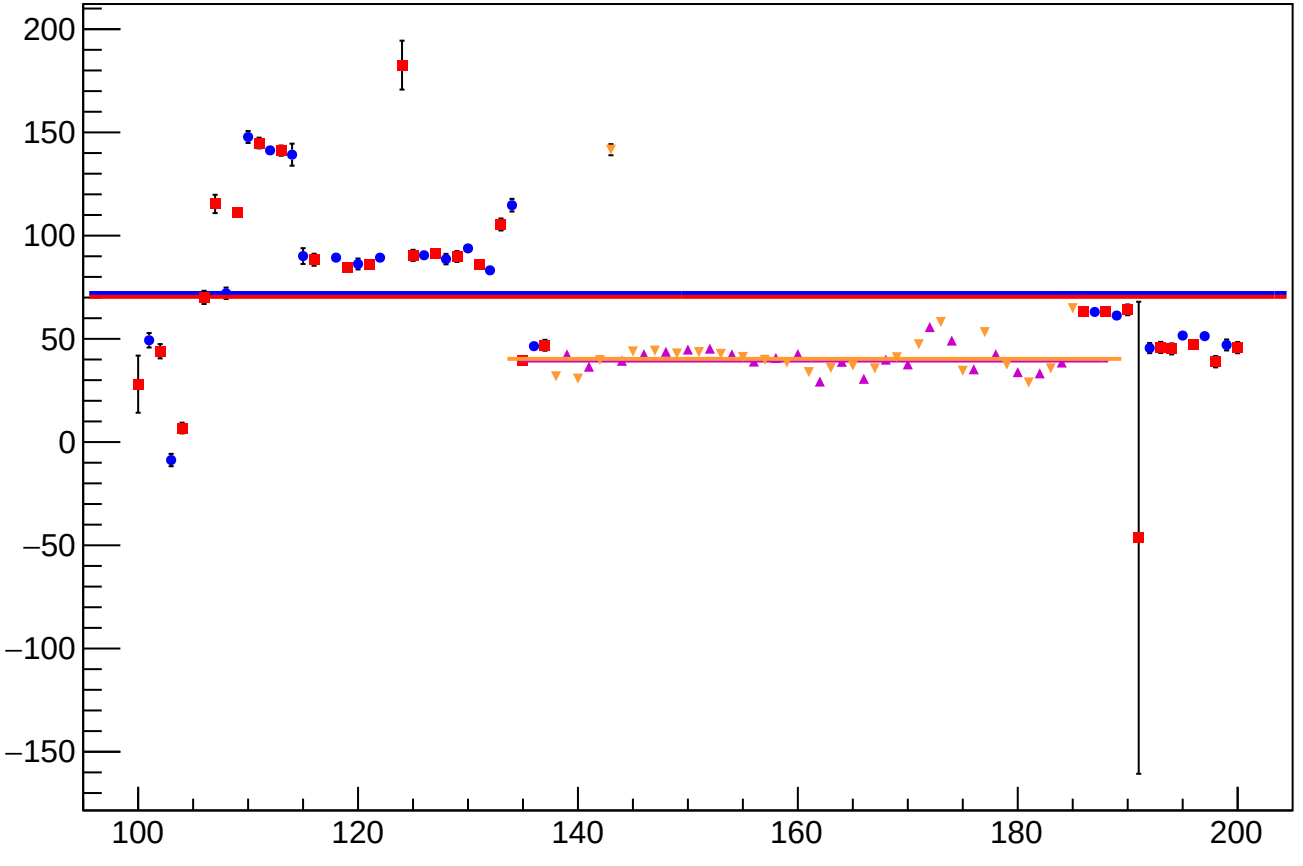
Right: -1.728+/-0.339 χ^2/NDF: 407.6/49

In: -3.514+/-0.204 χ^2/NDF:683.1/44

Out: -3.389+/-0.197 χ^2/NDF:914.7/52

All: -3.449+/-0.142 χ^2/NDF: 1598.1/97

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

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

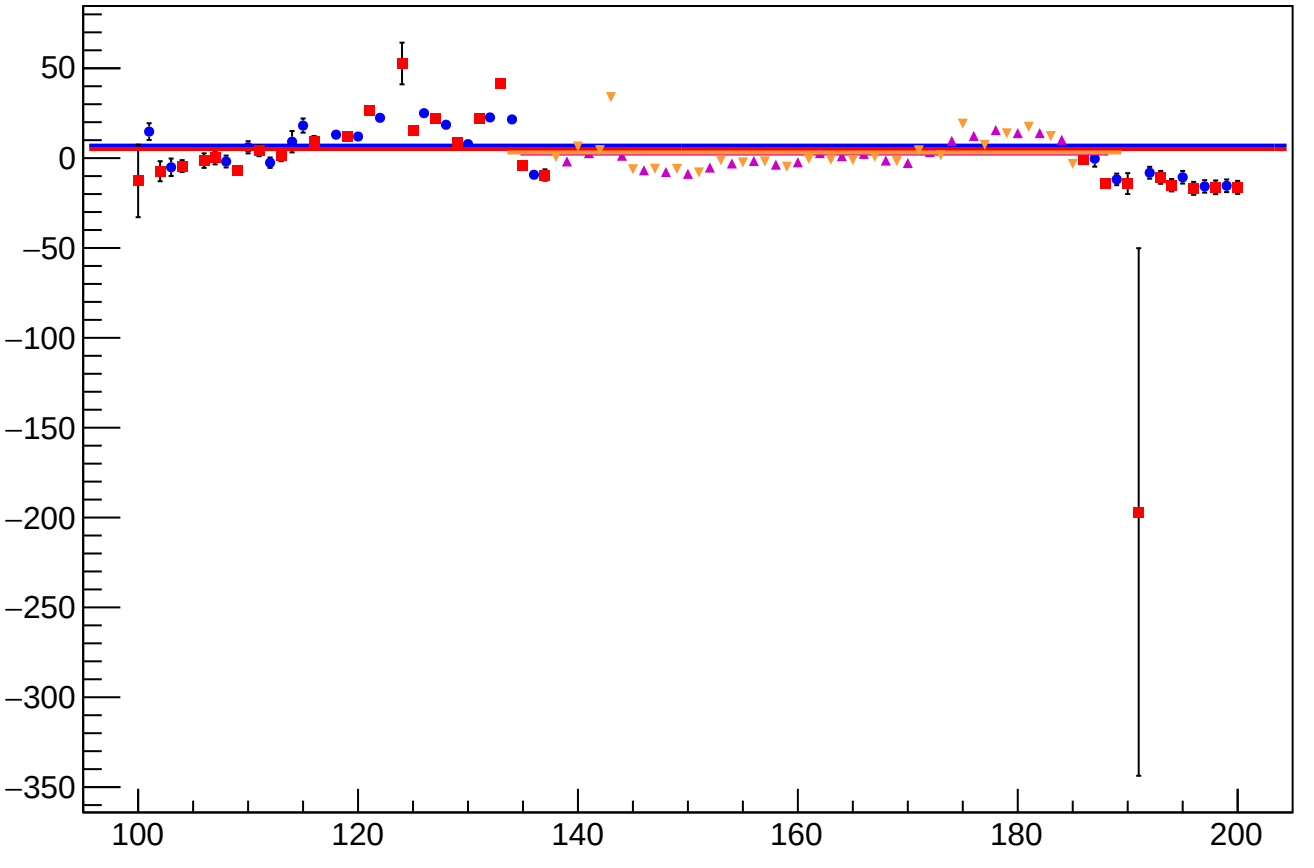
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 71.129+/-0.315 χ^2/NDF: 8225.8/49

In: 47.843+/-0.246 χ^2/NDF:7710.3/44

Out: 49.778+/-0.232 χ^2/NDF:10107.4/52

All: 48.867+/-0.169 χ^2/NDF: 17850.5/97



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

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

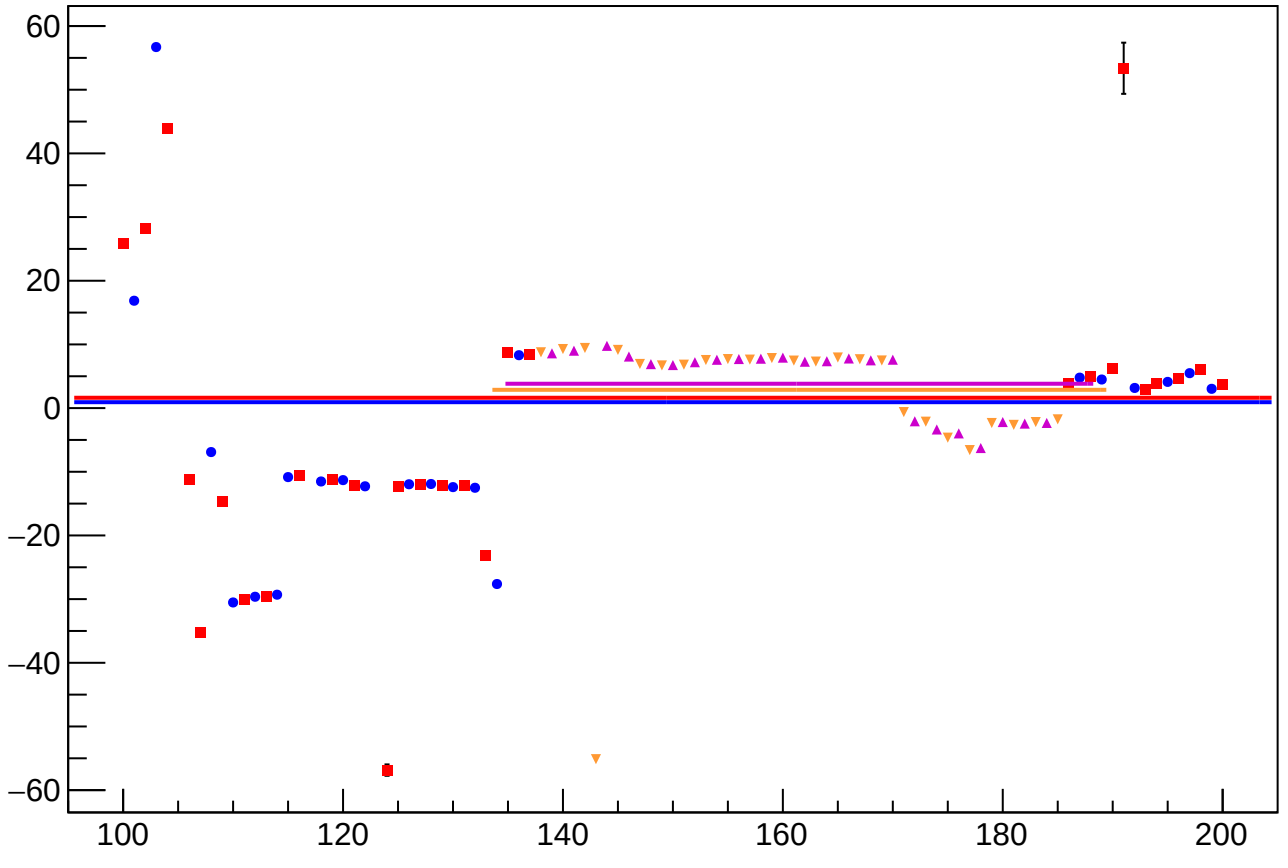
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 5.982+/-0.399 χ^2/NDF: 1354.5/49

In: 3.231+/-0.230 χ^2/NDF:1573.6/44

Out: 3.458+/-0.224 χ^2/NDF:2070.8/52

All: 3.347+/-0.161 χ^2/NDF: 3644.9/97



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

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

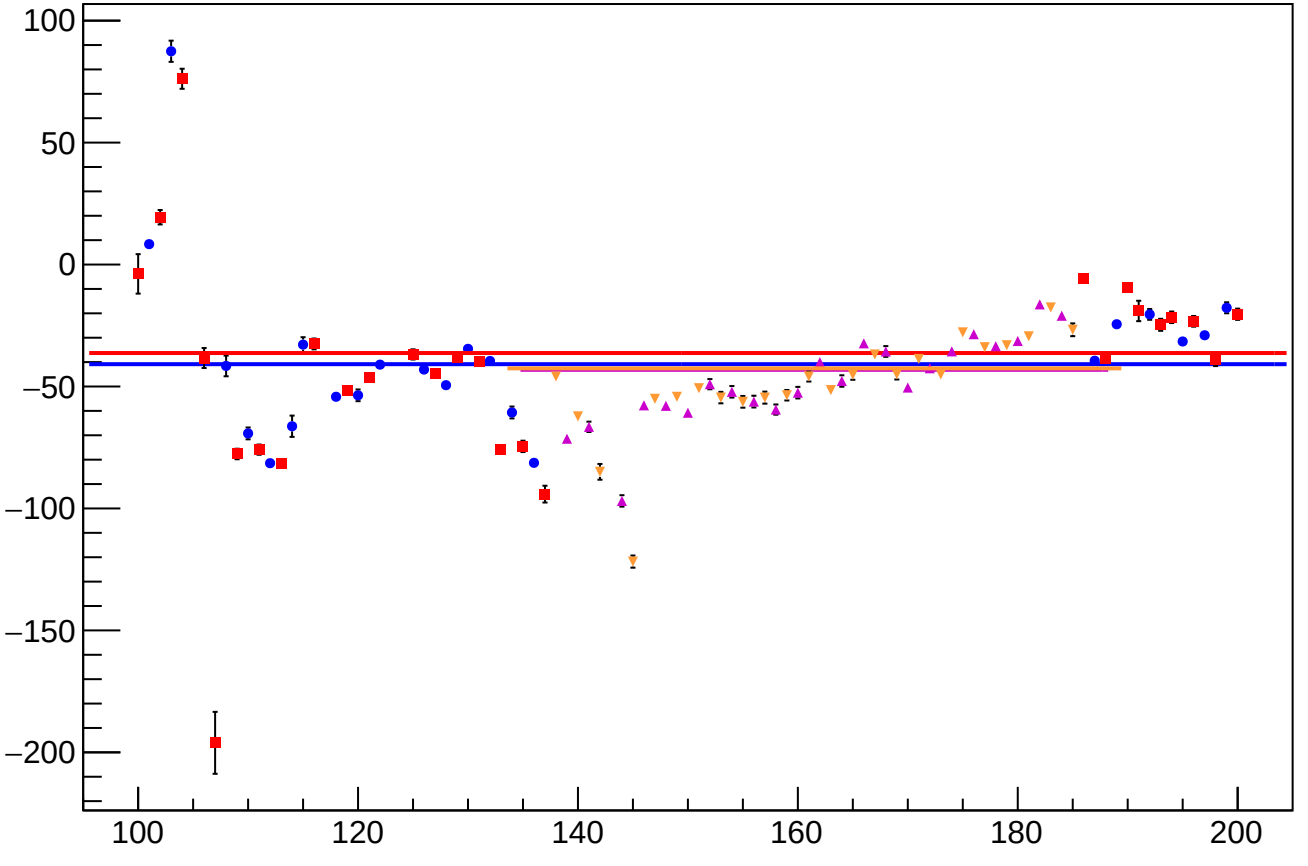
Right: 1.290+/-0.020 χ^2/NDF: 700004.2/49

In: 3.451+/-0.010 χ^2/NDF:616494.1/44

Out: 2.701+/-0.010 χ^2/NDF:839304.7/52

All: 3.070+/-0.007 χ^2/NDF: 1458459.9/97

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.849+/-0.429 χ^2/NDF: 3301.1/21

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

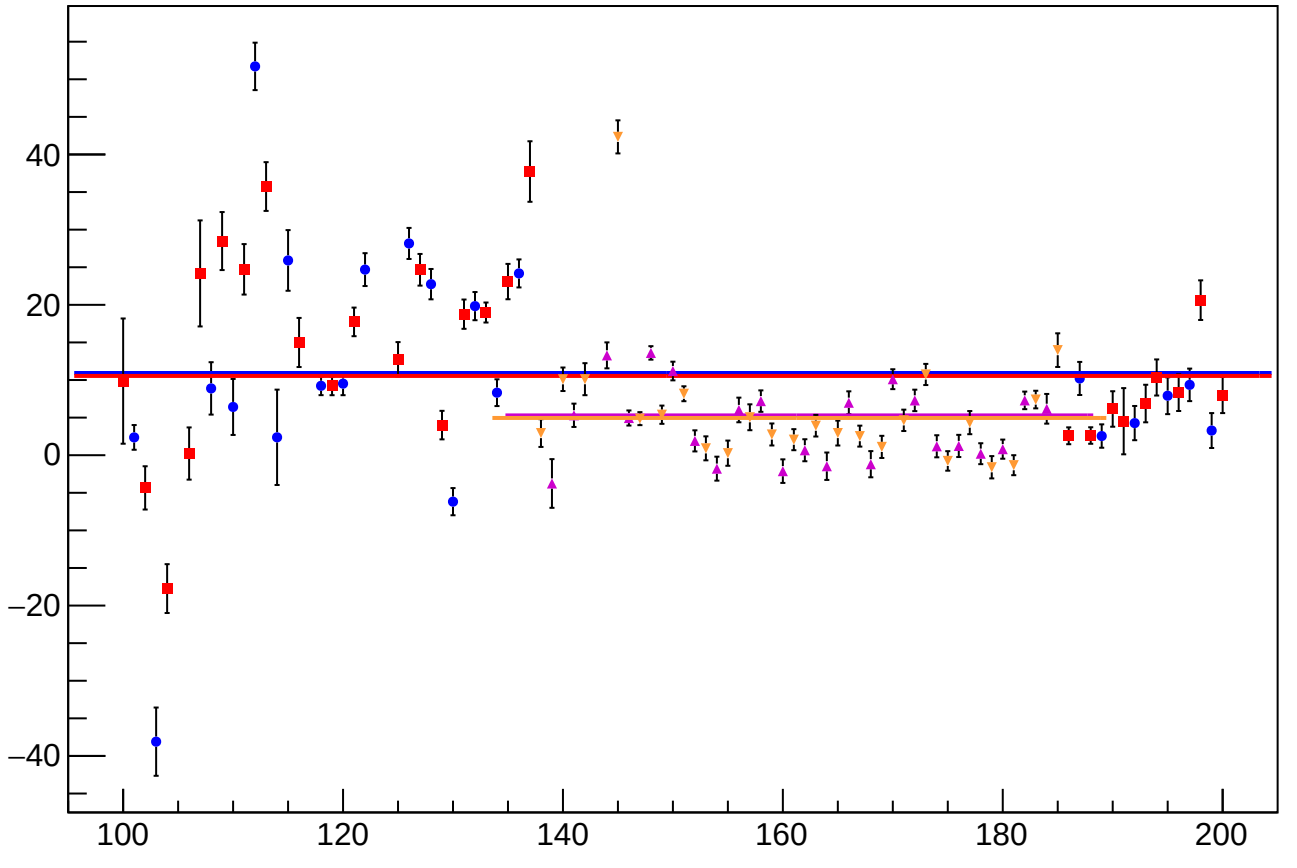
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

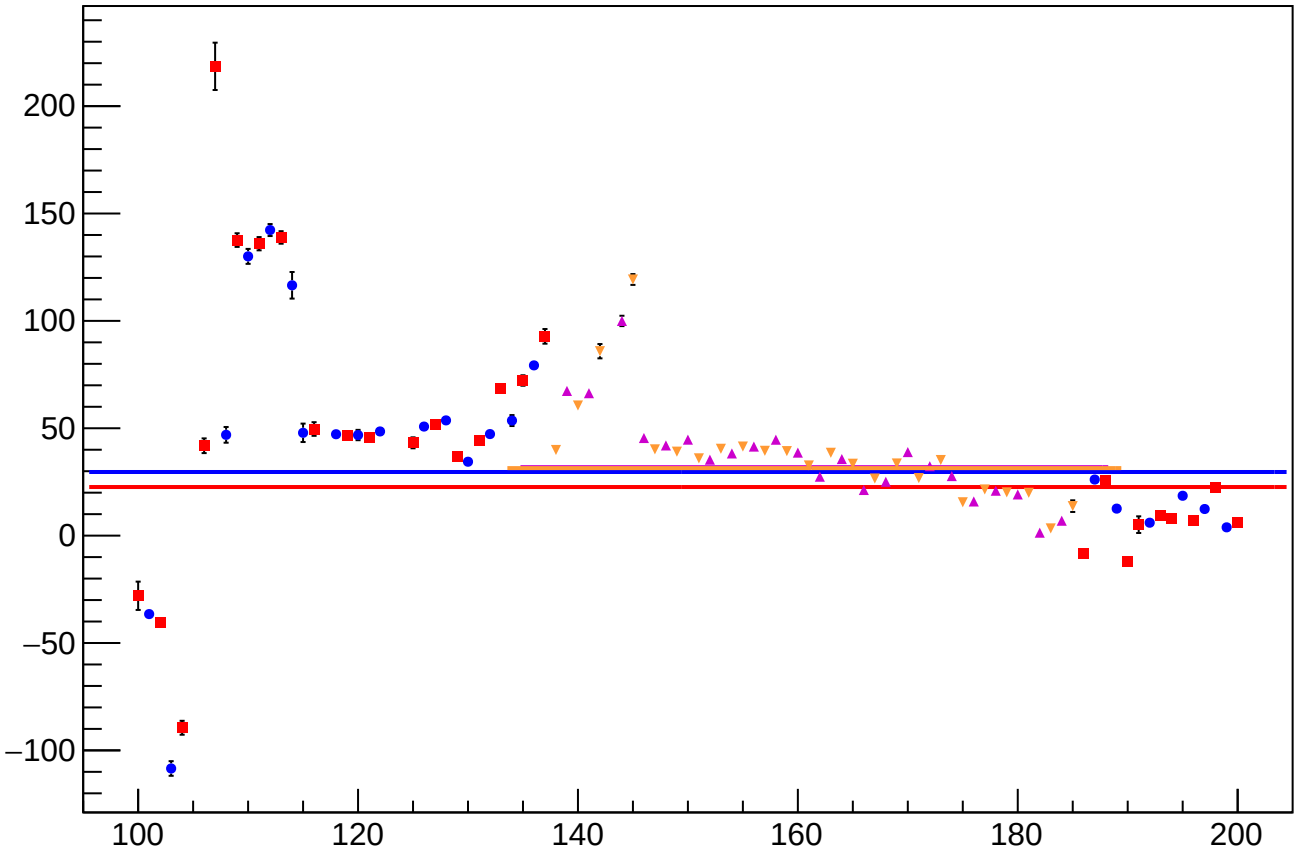
Right: -38.210+/-0.279 χ^2/NDF: 8501.8/48

In: -42.135+/-0.285 χ^2/NDF:5523.8/44

Out: -39.327+/-0.264 χ^2/NDF:7603.6/50

All: -40.622+/-0.194 χ^2/NDF: 13179.7/95


reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 10.933+/-0.443 χ²/NDF: 689.9/21
Left Out: 4.954+/-0.288 χ²/NDF:449.1/23
Right Out: 10.544+/-0.406 χ²/NDF: 548.8/26
Left In: 5.292+/-0.294 χ²/NDF:286.4/22
Left: 5.120+/-0.206 χ²/NDF: 736.1/46
Right: 10.722+/-0.300 χ²/NDF: 1239.2/48
In: 7.019+/-0.245 χ²/NDF:1088.8/44
Out: 6.826+/-0.235 χ²/NDF:1123.7/50
All: 6.919+/-0.170 χ²/NDF: 2212.8/95



Right In: 29.633+/-0.421 χ^2/NDF: 8327.8/21

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

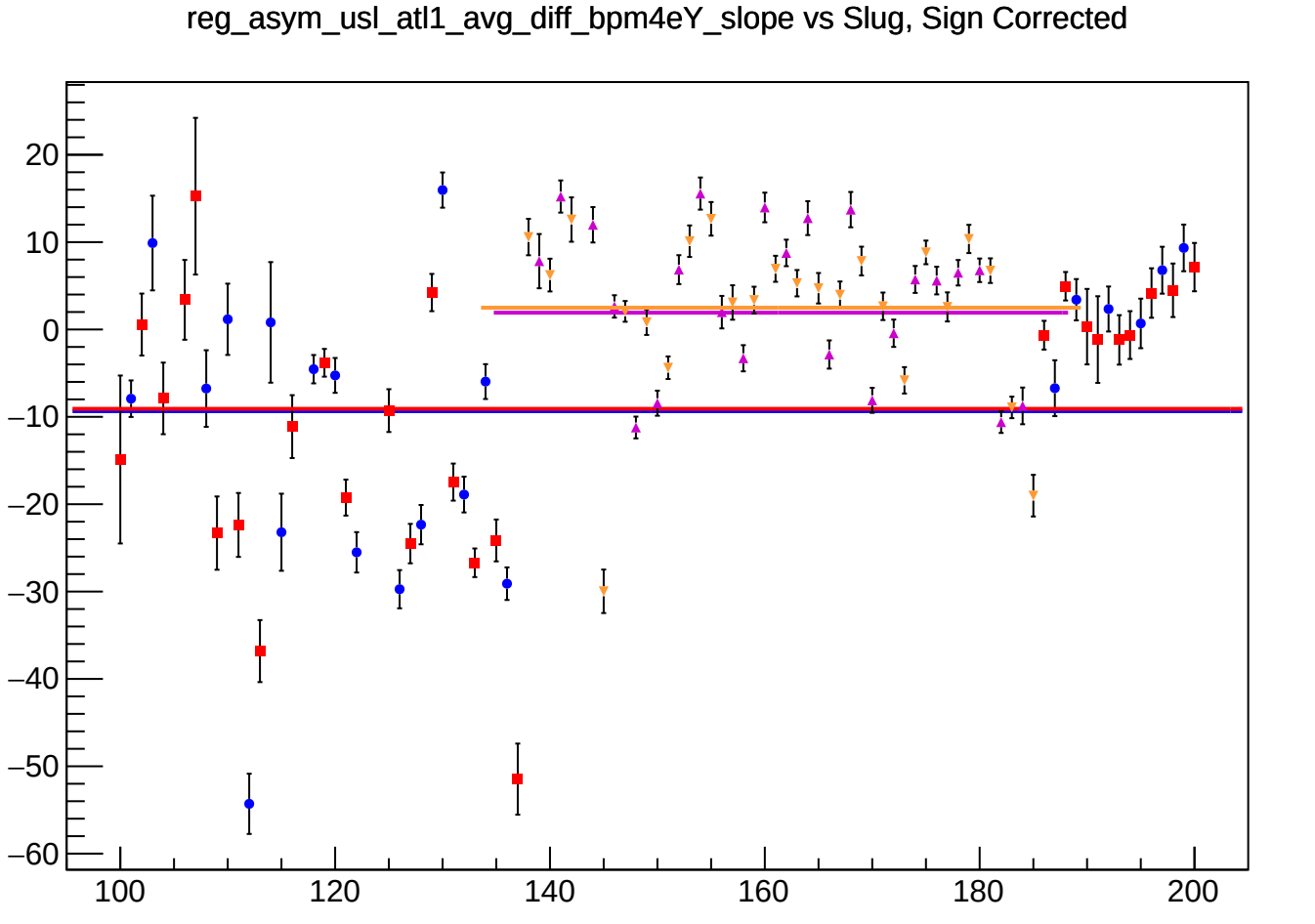
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 25.422+/-0.266 χ^2/NDF: 19656.0/48

In: 30.884+/-0.281 χ^2/NDF:11111.1/44

Out: 26.631+/-0.253 χ^2/NDF:14223.9/50

All: 28.534+/-0.188 χ^2/NDF: 25461.4/95



Right In: -9.345+/-0.526 χ^2/NDF: 826.9/21

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

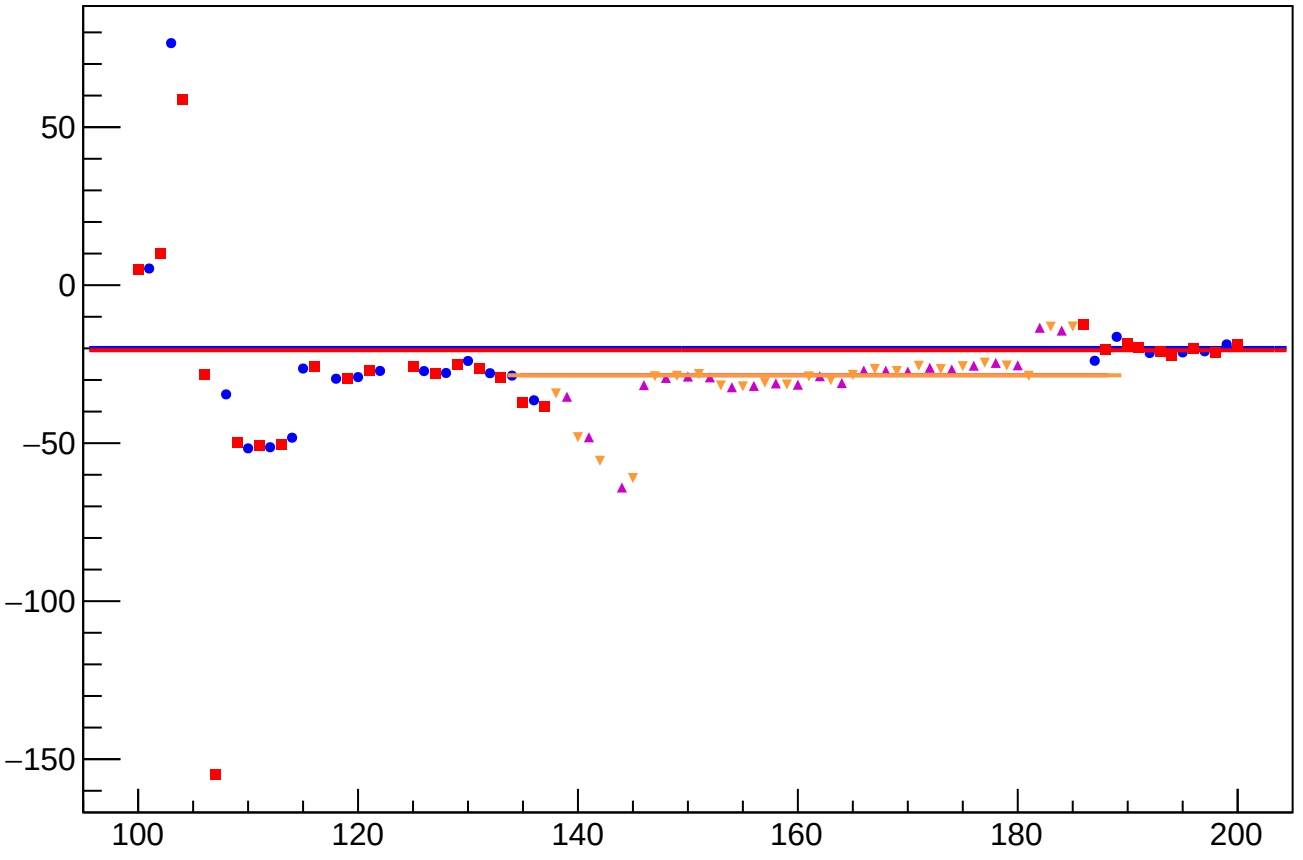
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -9.208+/-0.362 χ^2/NDF: 1537.5/48

In: -1.287+/-0.281 χ^2/NDF:1833.6/44

Out: -0.974+/-0.273 χ^2/NDF:1645.3/50

All: -1.126+/-0.196 χ^2/NDF: 3479.6/95



Right In: -19.868+/-0.026 χ^2/NDF: 649685.6/21

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

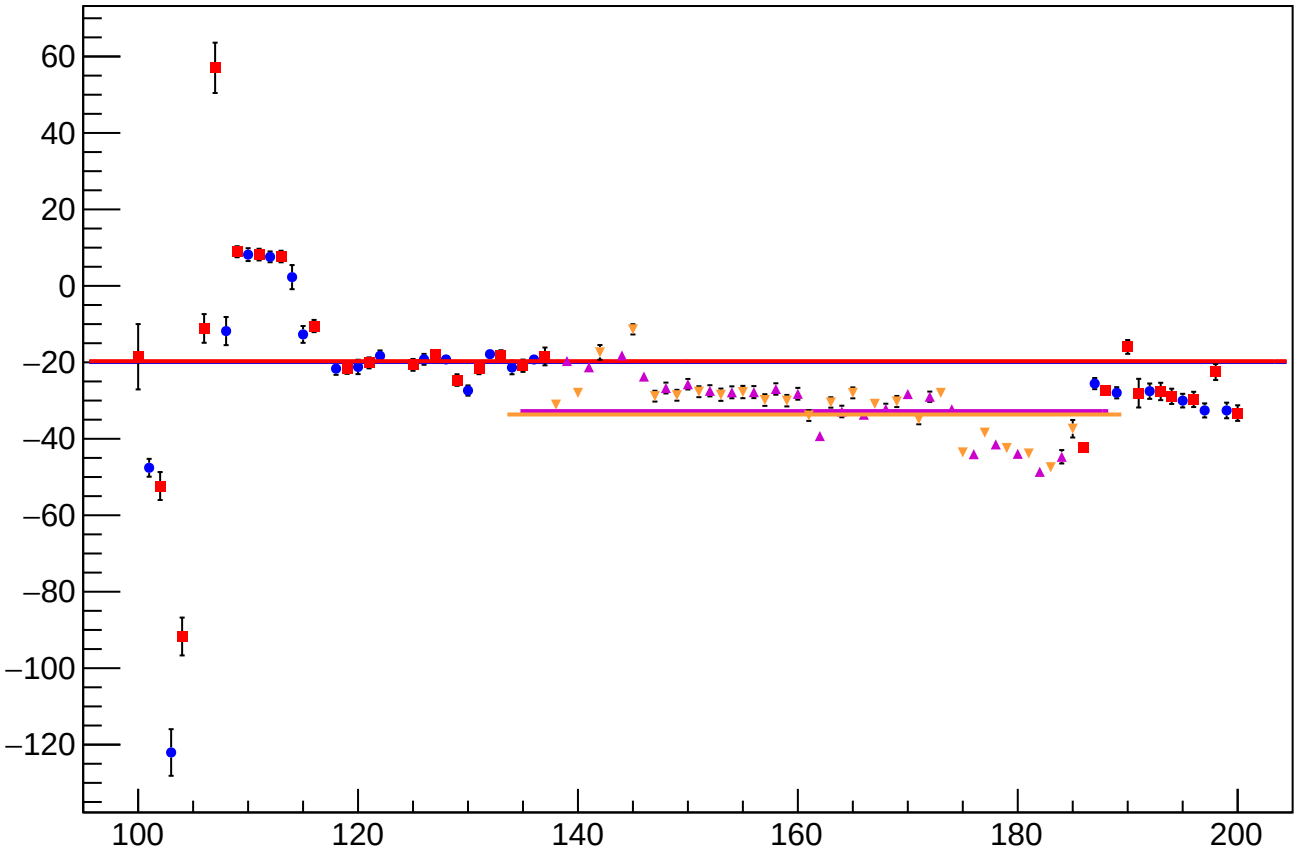
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -20.255+/-0.018 χ^2/NDF: 1203843.7/48

In: -26.389+/-0.013 χ^2/NDF:1020286.1/44

Out: -26.381+/-0.013 χ^2/NDF:965003.6/50

All: -26.385+/-0.009 χ^2/NDF: 1985289.9/95



Right In: -19.915+/-0.350 χ^2/NDF: 1359.1/21

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.697+/-0.323 χ^2/NDF: 2056.5/26

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

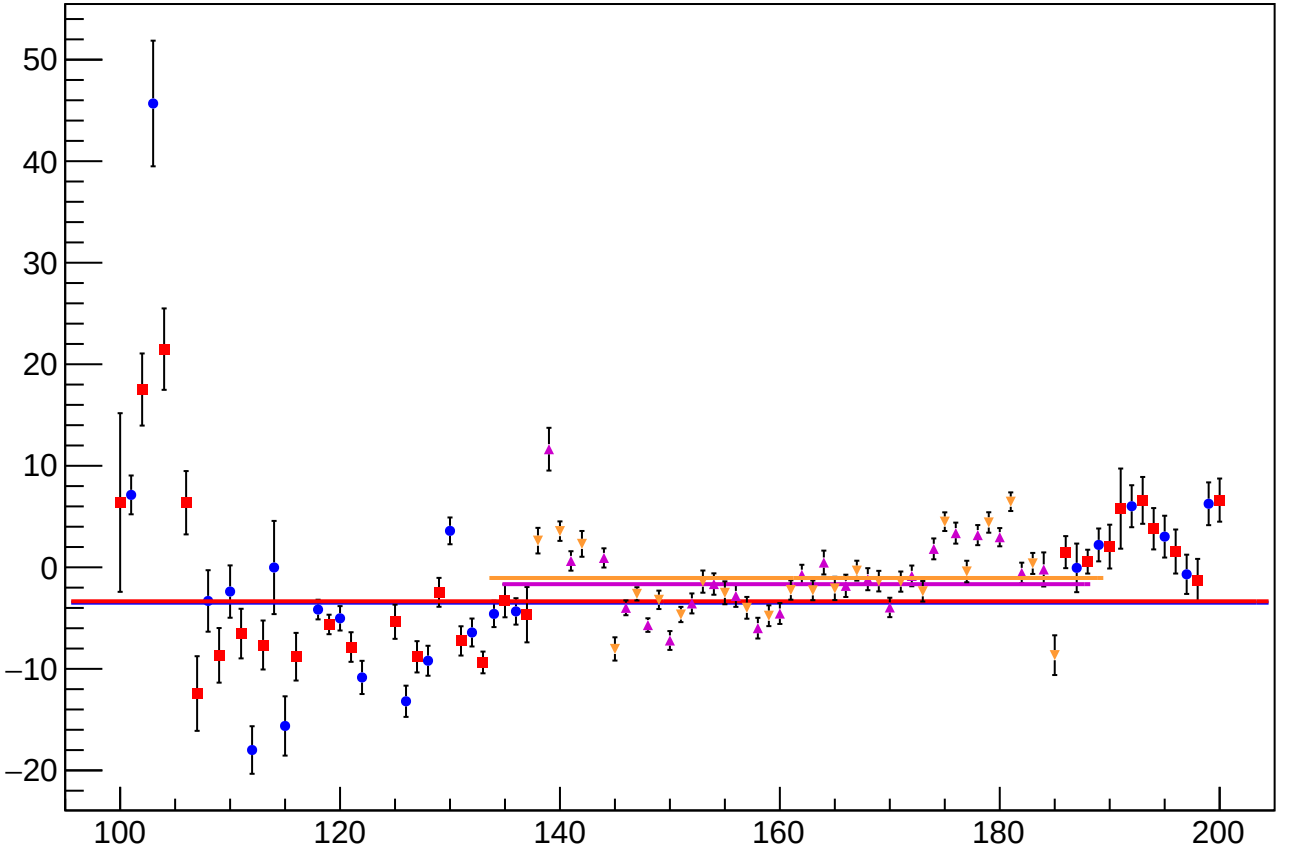
Right: -19.798+/-0.237 χ^2/NDF: 3415.7/48

In: -27.996+/-0.213 χ^2/NDF:3348.6/44

Out: -28.028+/-0.205 χ^2/NDF:4186.3/50

All: -28.013+/-0.148 χ^2/NDF: 7534.9/95

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.481+/-0.360 χ^2/NDF: 331.1/21

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.346+/-0.350 χ^2/NDF: 264.0/26

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

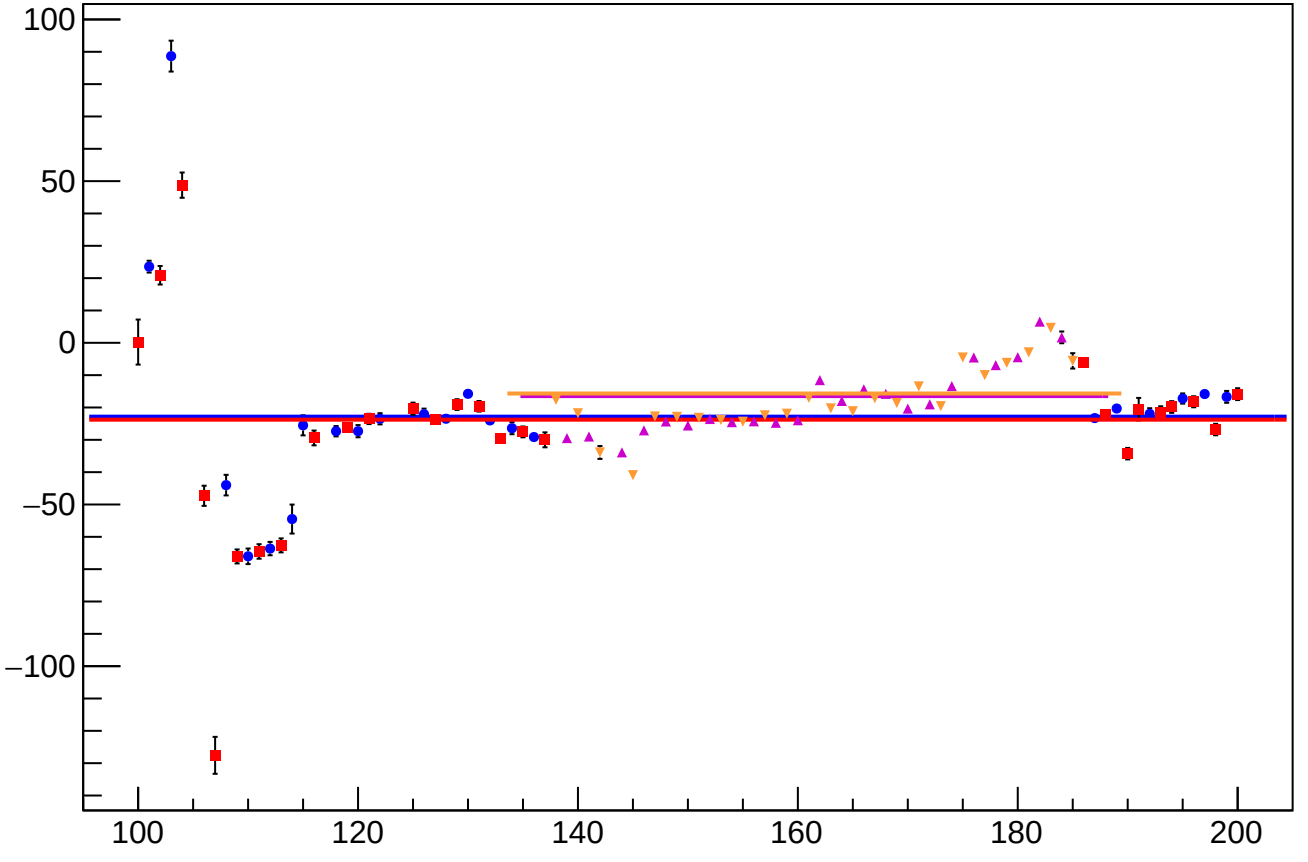
Right: -3.412+/-0.251 χ^2/NDF: 595.2/48

In: -2.111+/-0.179 χ^2/NDF:614.8/44

Out: -1.628+/-0.175 χ^2/NDF:585.7/50

All: -1.865+/-0.125 χ^2/NDF: 1204.2/95

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -22.835+/-0.362 χ^2/NDF: 2117.5/21

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

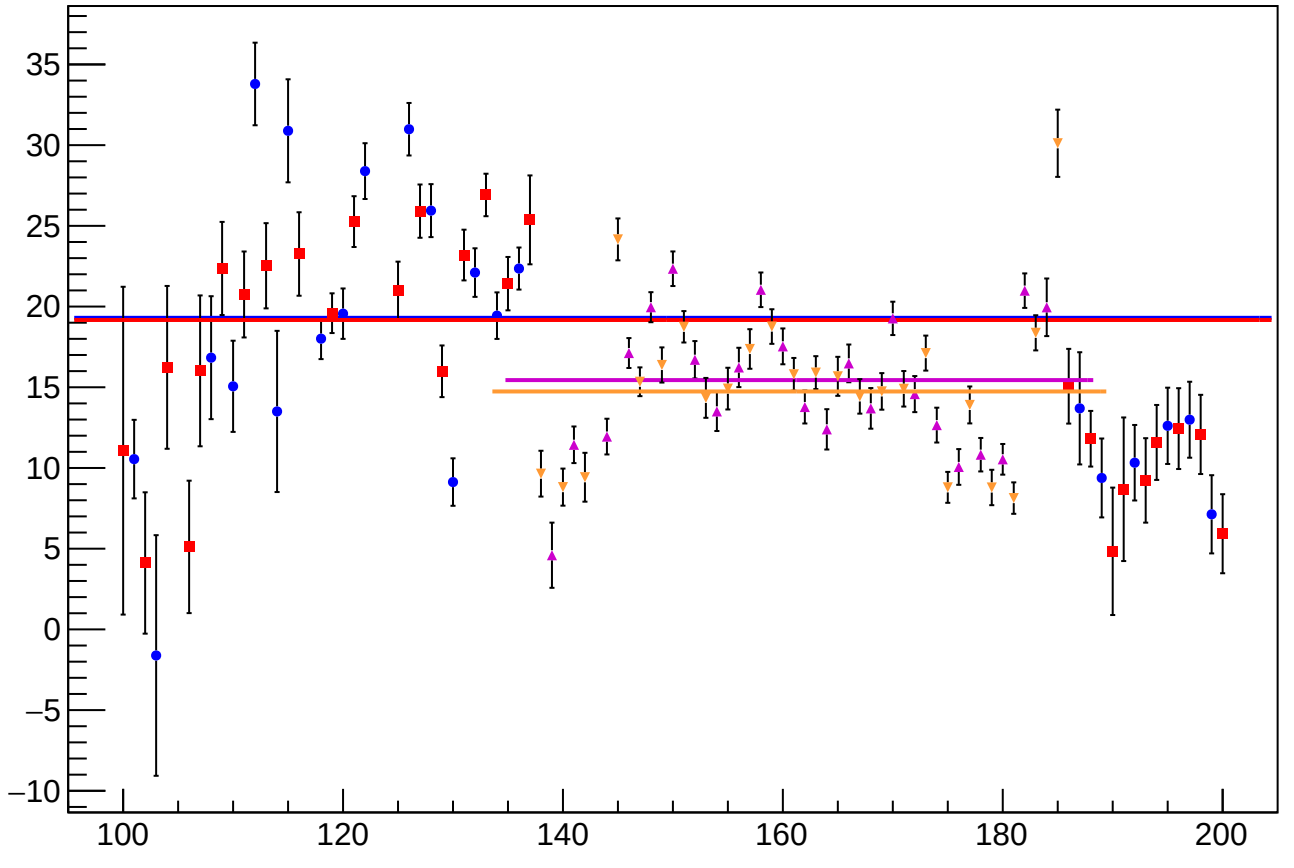
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -23.354+/-0.241 χ^2/NDF: 4586.5/48

In: -18.705+/-0.214 χ^2/NDF:4015.1/44

Out: -18.894+/-0.204 χ^2/NDF:4362.8/50

All: -18.804+/-0.148 χ^2/NDF: 8378.3/95



Right In: 19.302+/-0.418 χ^2/NDF: 297.9/21

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.169+/-0.414 χ^2/NDF: 225.6/26

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

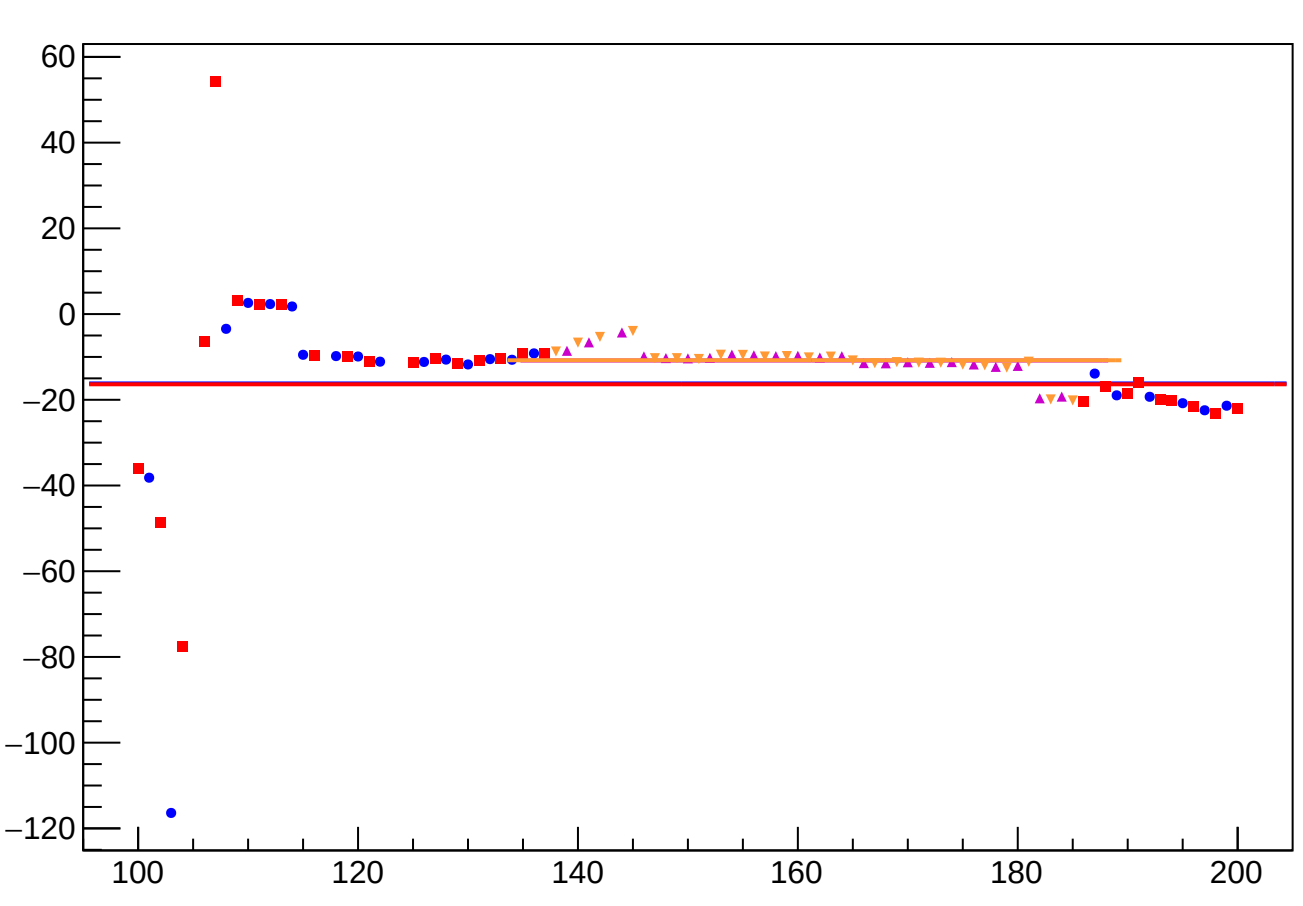
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 19.235+/-0.294 χ^2/NDF: 523.5/48

In: 16.360+/-0.204 χ^2/NDF:653.3/44

Out: 15.780+/-0.201 χ^2/NDF:644.1/50

All: 16.066+/-0.143 χ^2/NDF: 1301.5/95



Right In: -16.187+/-0.022 χ^2/NDF: 376016.8/21

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

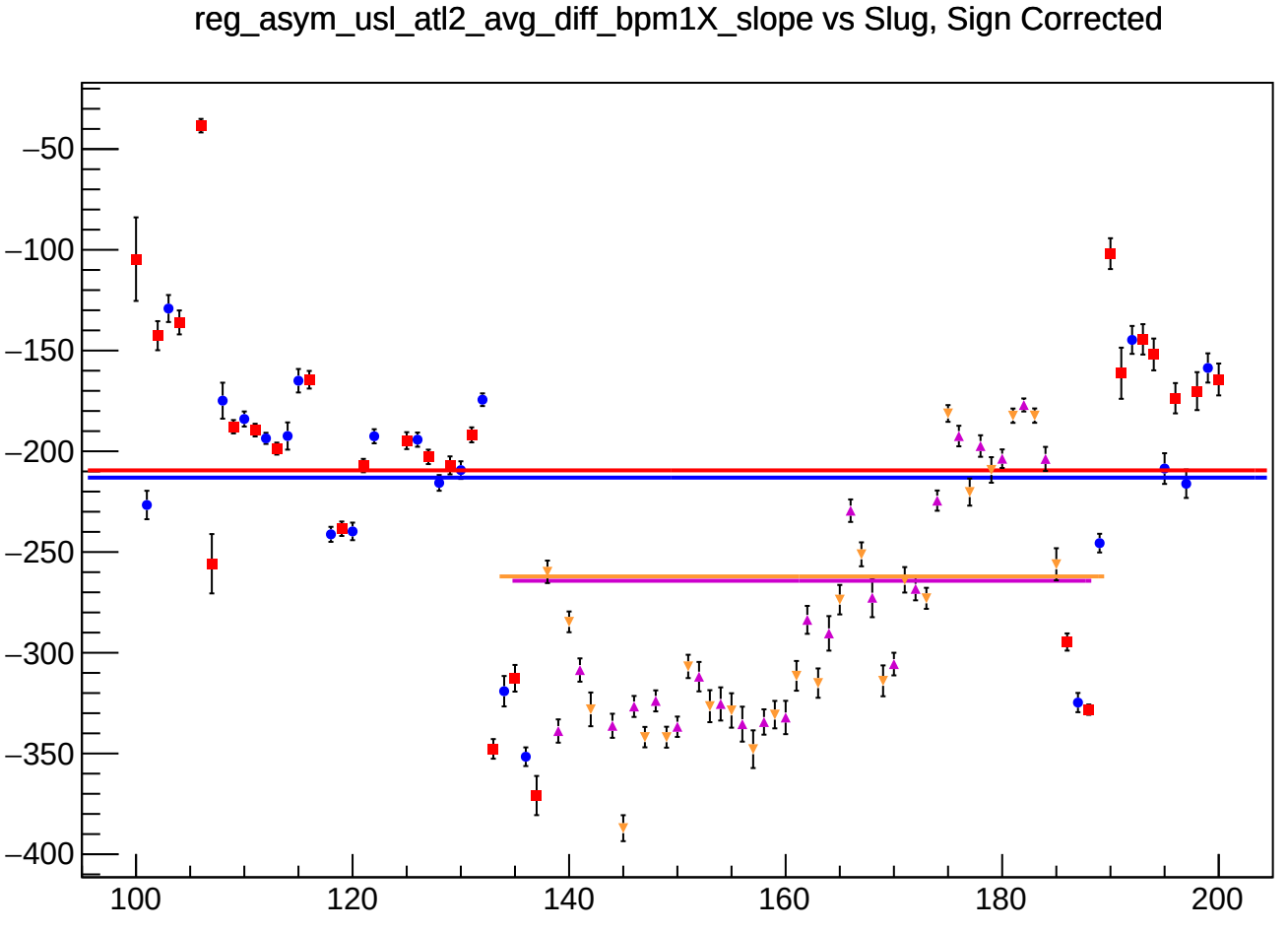
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -16.289+/-0.015 χ^2/NDF: 739989.1/48

In: -11.822+/-0.009 χ^2/NDF:499862.4/44

Out: -11.874+/-0.009 χ^2/NDF:506762.6/50

All: -11.848+/-0.007 χ^2/NDF: 1006640.6/95



Right In: -213.067+/-0.977 χ^2/NDF: 2519.0/21

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

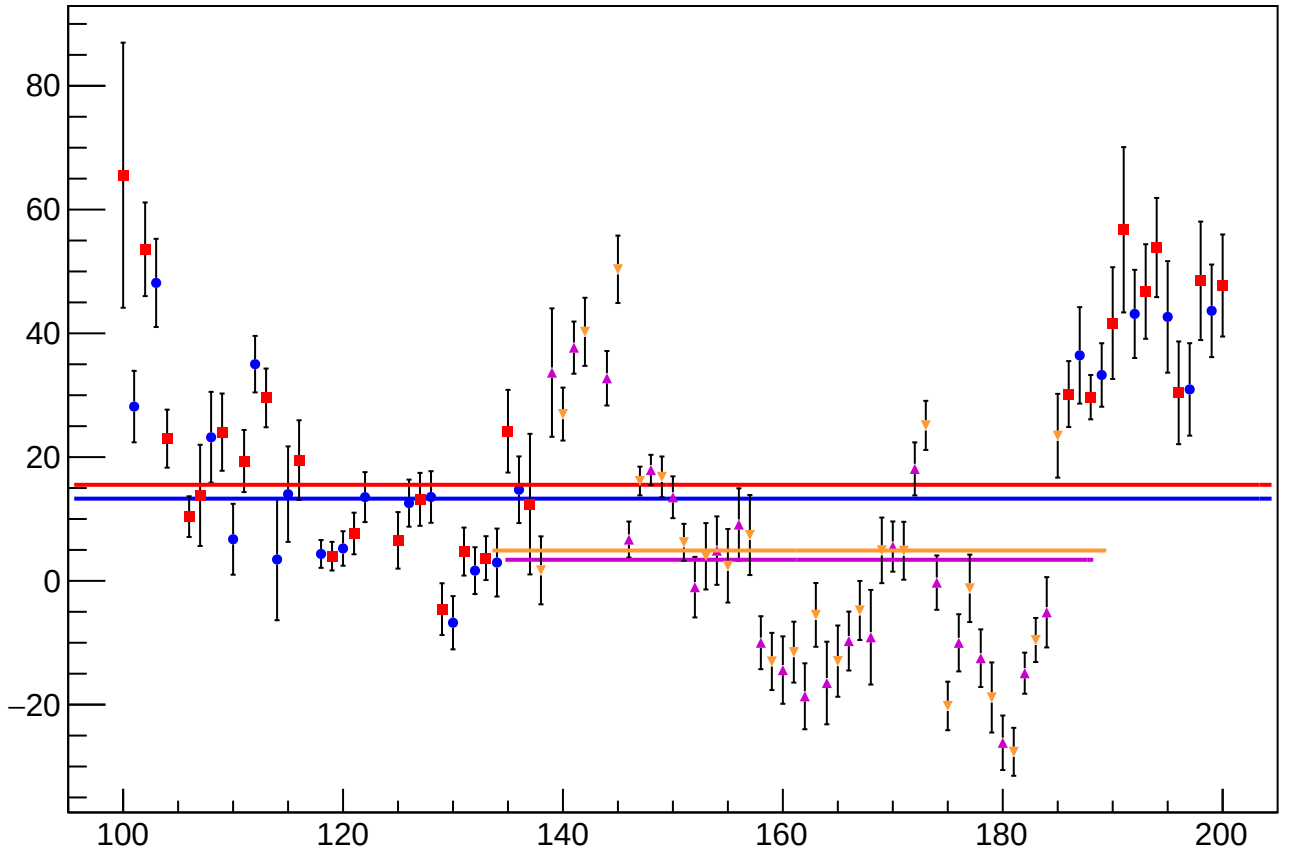
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.065+/-0.651 χ^2/NDF: 9992.5/48

In: -233.784+/-0.754 χ^2/NDF:6371.5/44

Out: -228.099+/-0.702 χ^2/NDF:11717.8/50

All: -230.737+/-0.514 χ^2/NDF: 18119.7/95



Right In: 13.287+/-0.998 χ^2/NDF: 190.7/21

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

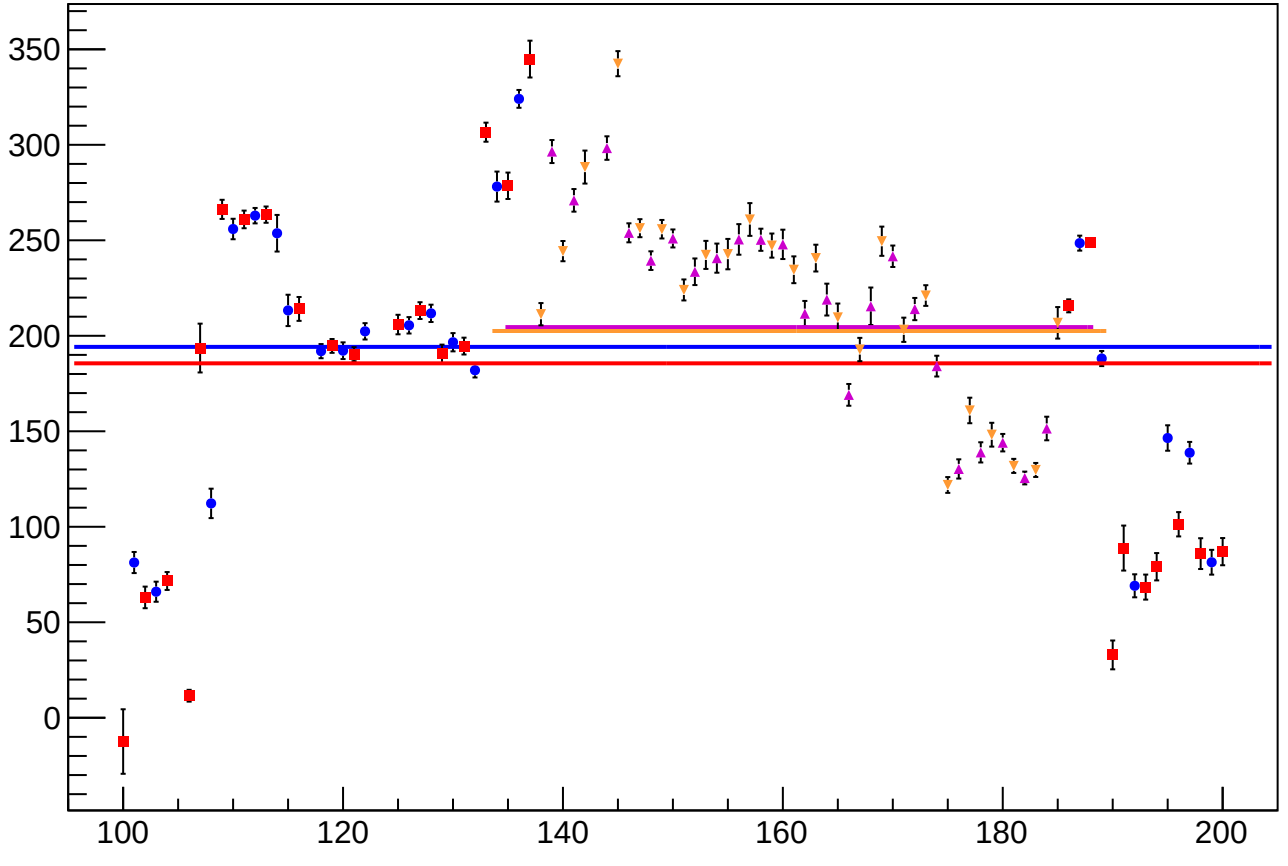
Right: 14.470+/-0.686 χ^2/NDF: 430.0/48

In: 7.841+/-0.669 χ^2/NDF:578.0/44

Out: 9.884+/-0.646 χ^2/NDF:702.9/50

All: 8.898+/-0.465 χ^2/NDF: 1285.7/95

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 194.191+/-1.054 χ^2/NDF: 3588.2/21

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

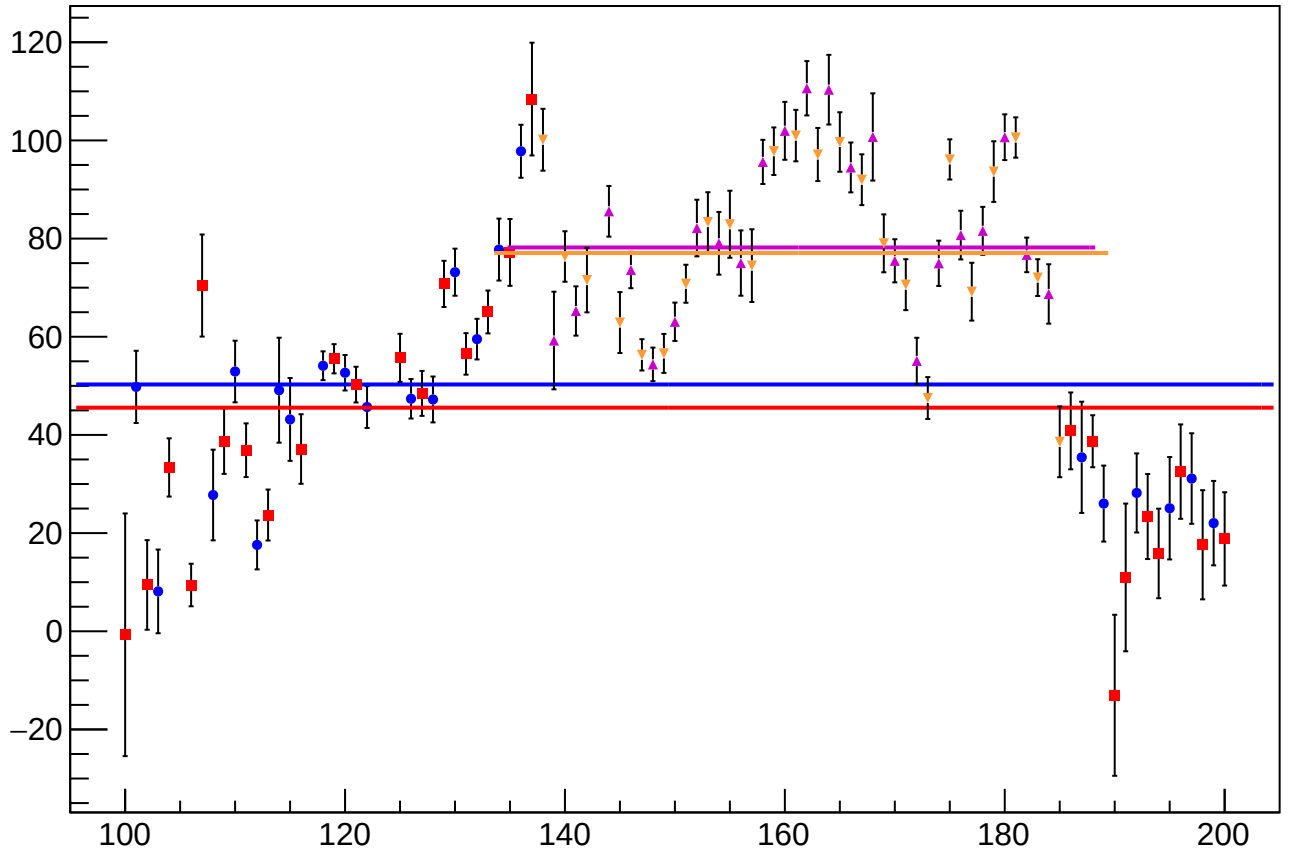
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 189.244+/-0.688 χ^2/NDF: 12545.2/48

In: 198.807+/-0.785 χ^2/NDF:5916.9/44

Out: 191.921+/-0.718 χ^2/NDF:11442.6/50

All: 195.055+/-0.530 χ^2/NDF: 17401.3/95



Right In: 50.278+/-1.176 χ^2/NDF: 242.8/21

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

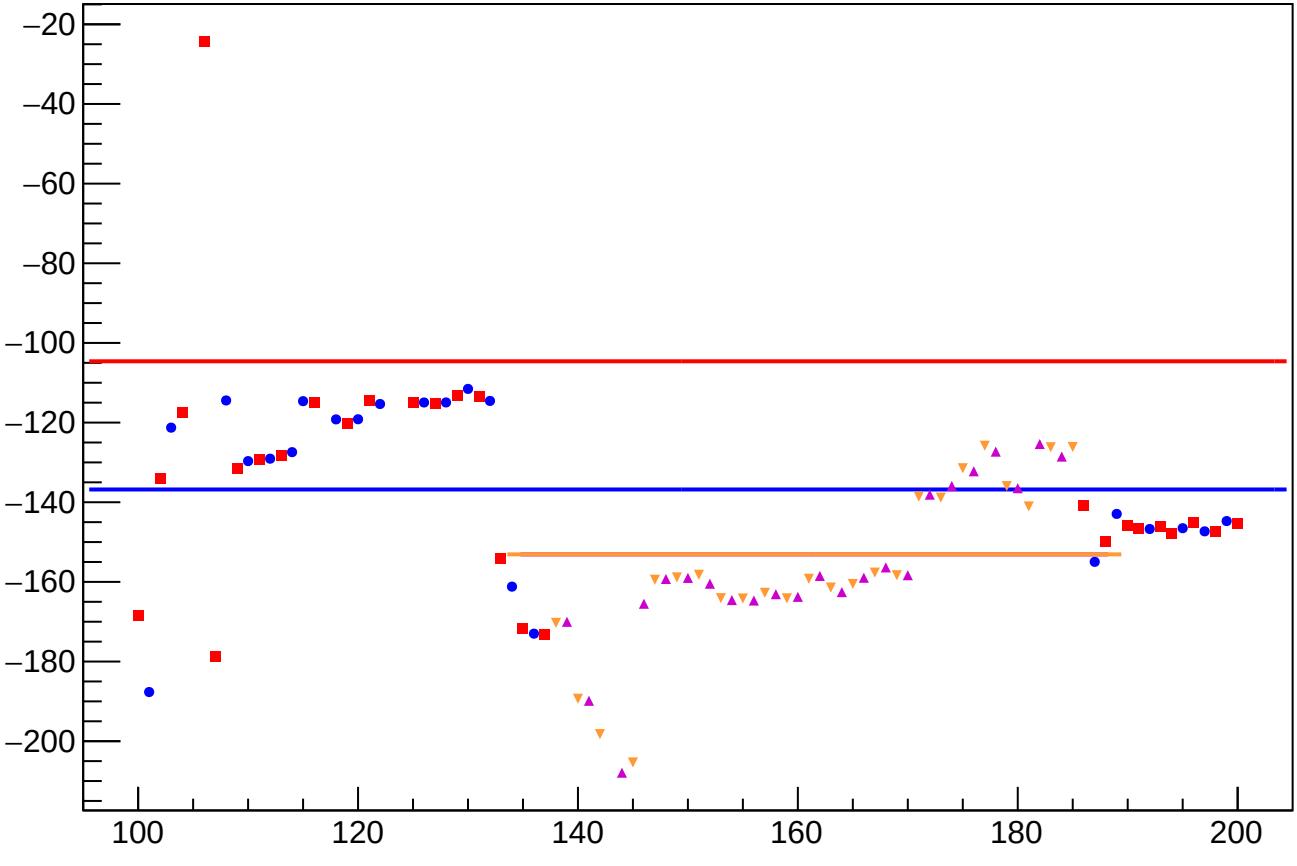
Right: 47.806+/-0.812 χ^2/NDF: 550.4/48

In: 66.131+/-0.773 χ^2/NDF:795.3/44

Out: 62.885+/-0.753 χ^2/NDF:1043.8/50

All: 64.466+/-0.539 χ^2/NDF: 1848.2/95

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -136.797+/-0.068 χ^2/NDF: 101706.9/21

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

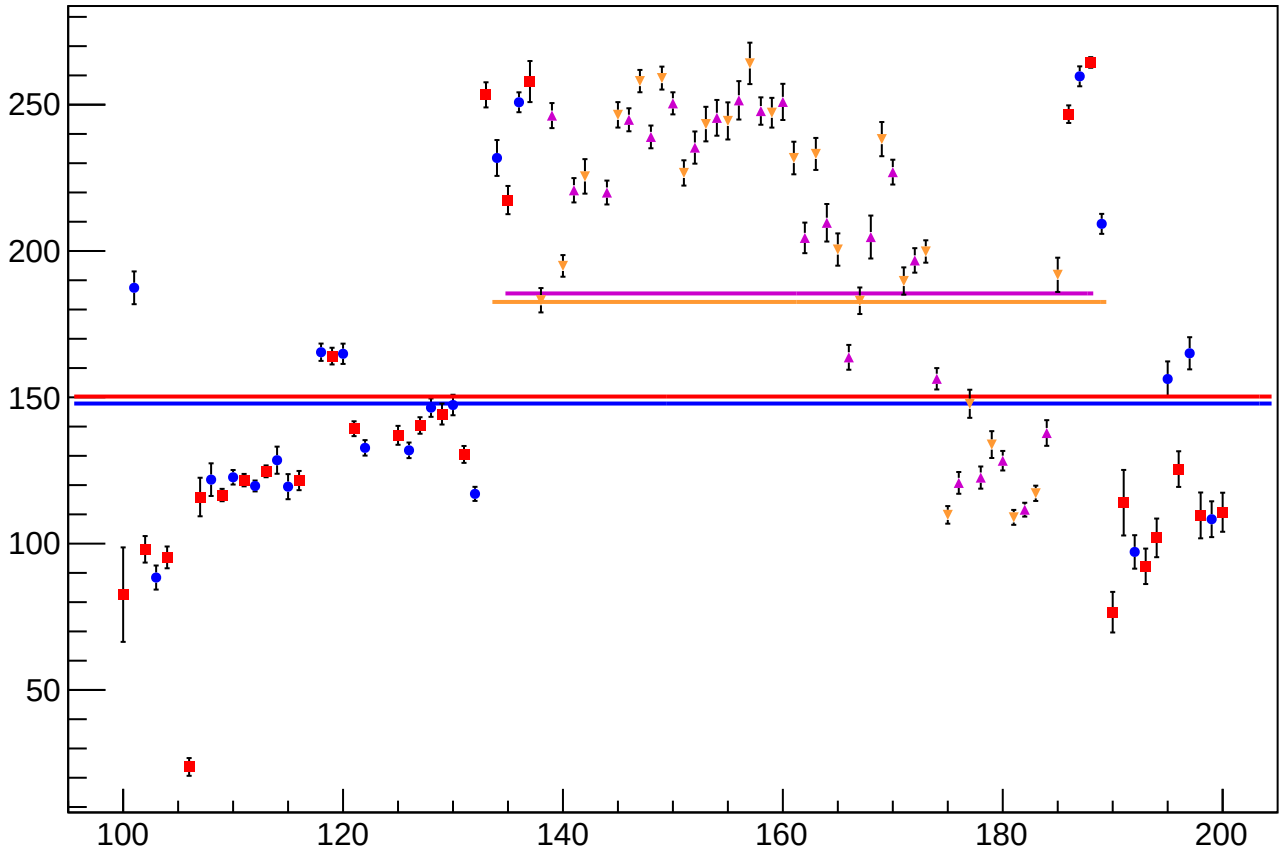
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -117.260+/-0.043 χ^2/NDF: 1184242.9/48

In: -147.901+/-0.038 χ^2/NDF:307355.2/44

Out: -132.595+/-0.036 χ^2/NDF:1576000.3/50

All: -139.663+/-0.026 χ^2/NDF: 1968497.5/95



Right In: 147.873+/-0.723 χ^2/NDF: 3603.7/21

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

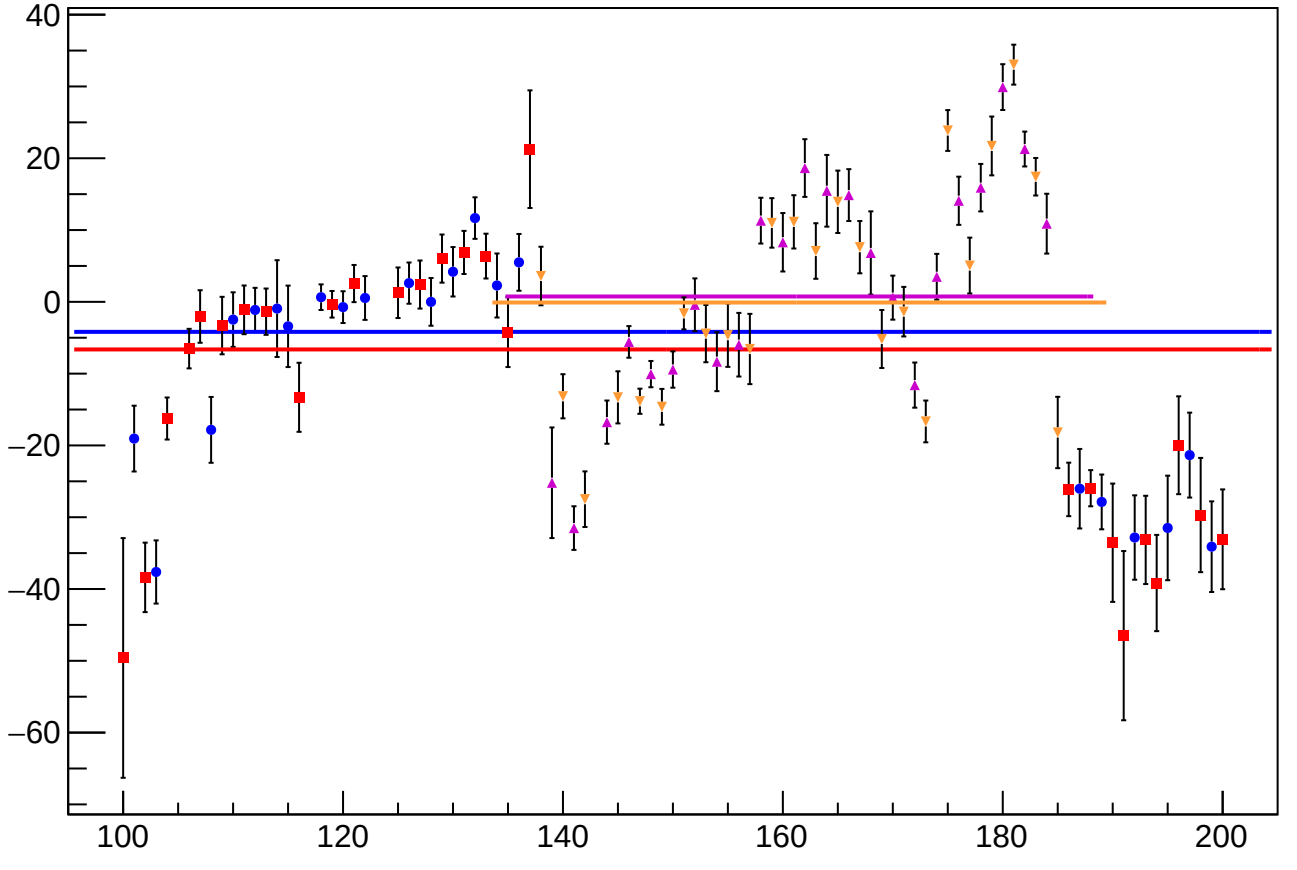
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.206+/-0.481 χ^2/NDF: 12901.4/48

In: 163.185+/-0.557 χ^2/NDF:8528.9/44

Out: 161.763+/-0.516 χ^2/NDF:14341.9/50

All: 162.421+/-0.379 χ^2/NDF: 22874.3/95



Right In: -4.181+/-0.760 χ^2/NDF: 264.8/21

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

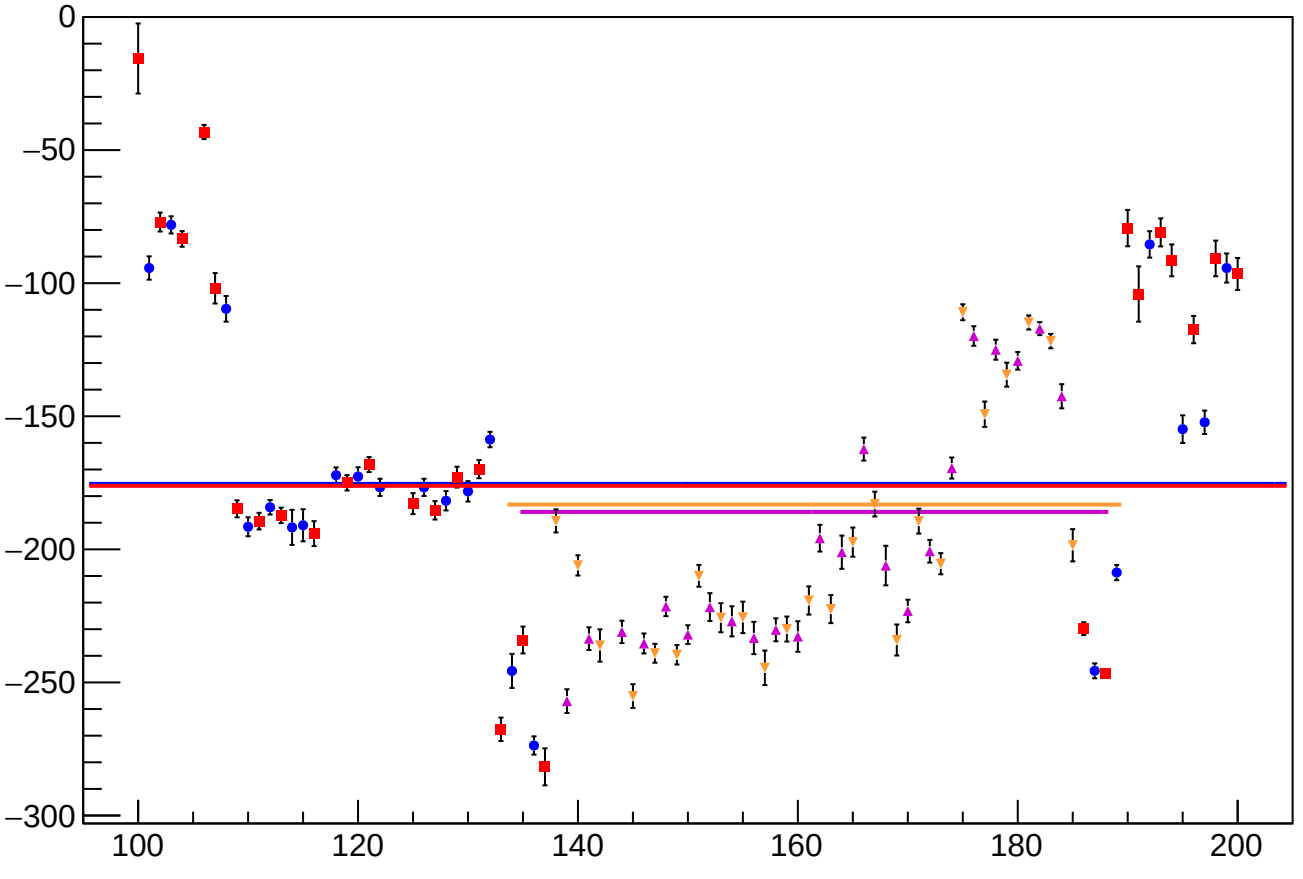
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.490+/-0.518 χ^2/NDF: 617.6/48

In: -1.393+/-0.500 χ^2/NDF:786.4/44

Out: -3.099+/-0.481 χ^2/NDF:948.5/50

All: -2.280+/-0.347 χ^2/NDF: 1740.9/95



Right In: -175.402+/-0.784 χ^2/NDF: 3817.3/21

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

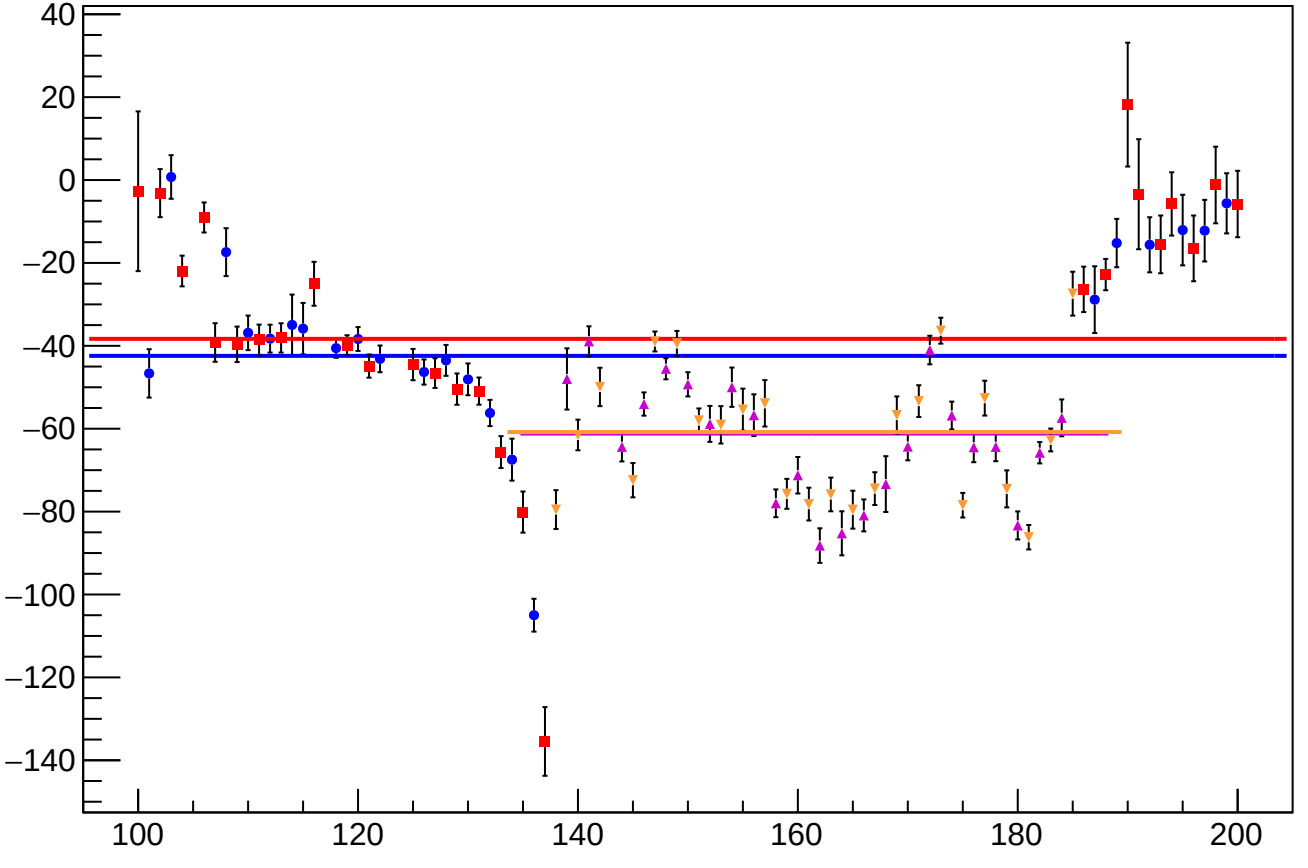
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -175.822+/-0.510 χ^2/NDF: 13355.7/48

In: -180.137+/-0.581 χ^2/NDF:7080.1/44

Out: -178.787+/-0.529 χ^2/NDF:12940.7/50

All: -179.399+/-0.391 χ^2/NDF: 20023.7/95



Right In: -42.422+/-0.892 χ^2/NDF: 487.3/21

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

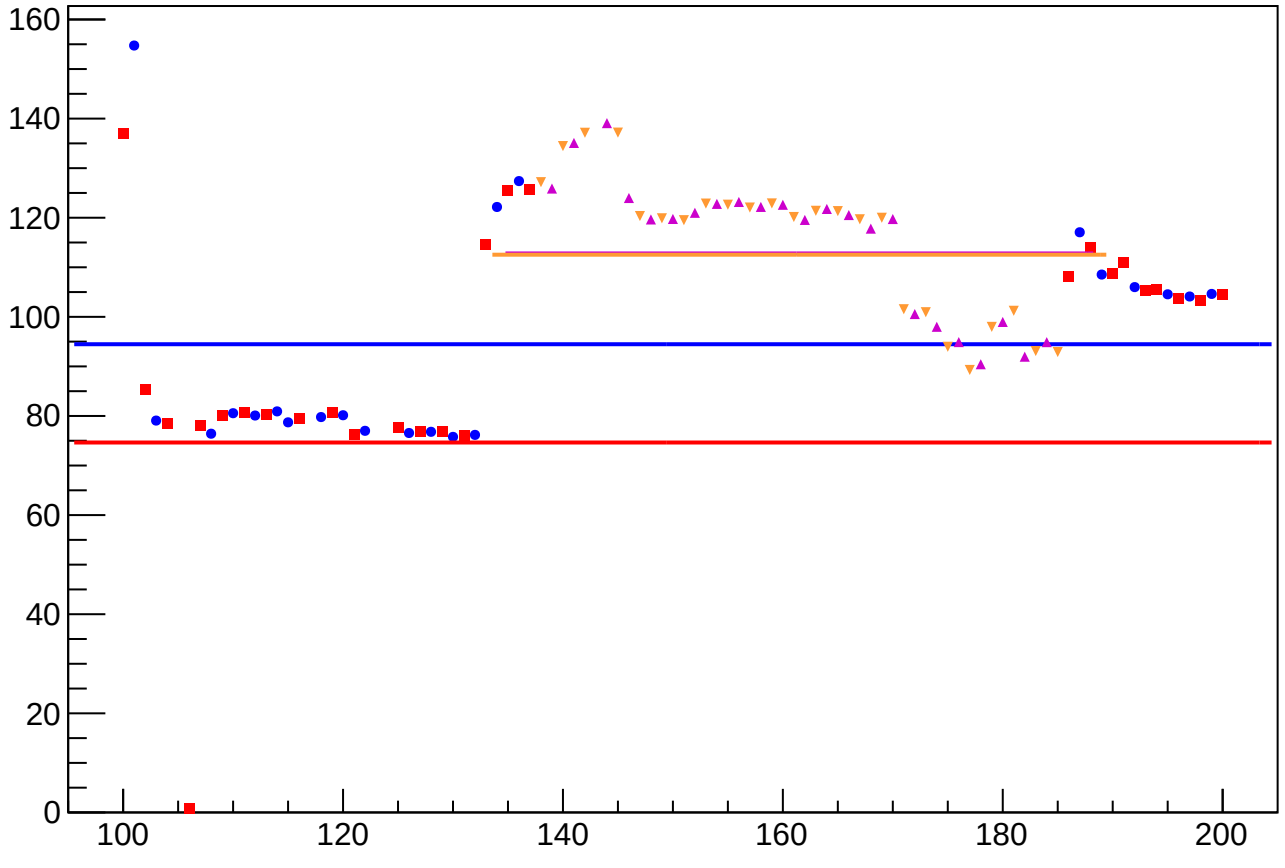
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -40.255+/-0.613 χ^2/NDF: 1039.5/48

In: -53.328+/-0.577 χ^2/NDF:1061.0/44

Out: -50.896+/-0.560 χ^2/NDF:1412.1/50

All: -52.075+/-0.402 χ^2/NDF: 2482.2/95



Right In: 94.476+/-0.051 χ^2/NDF: 178827.0/21

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

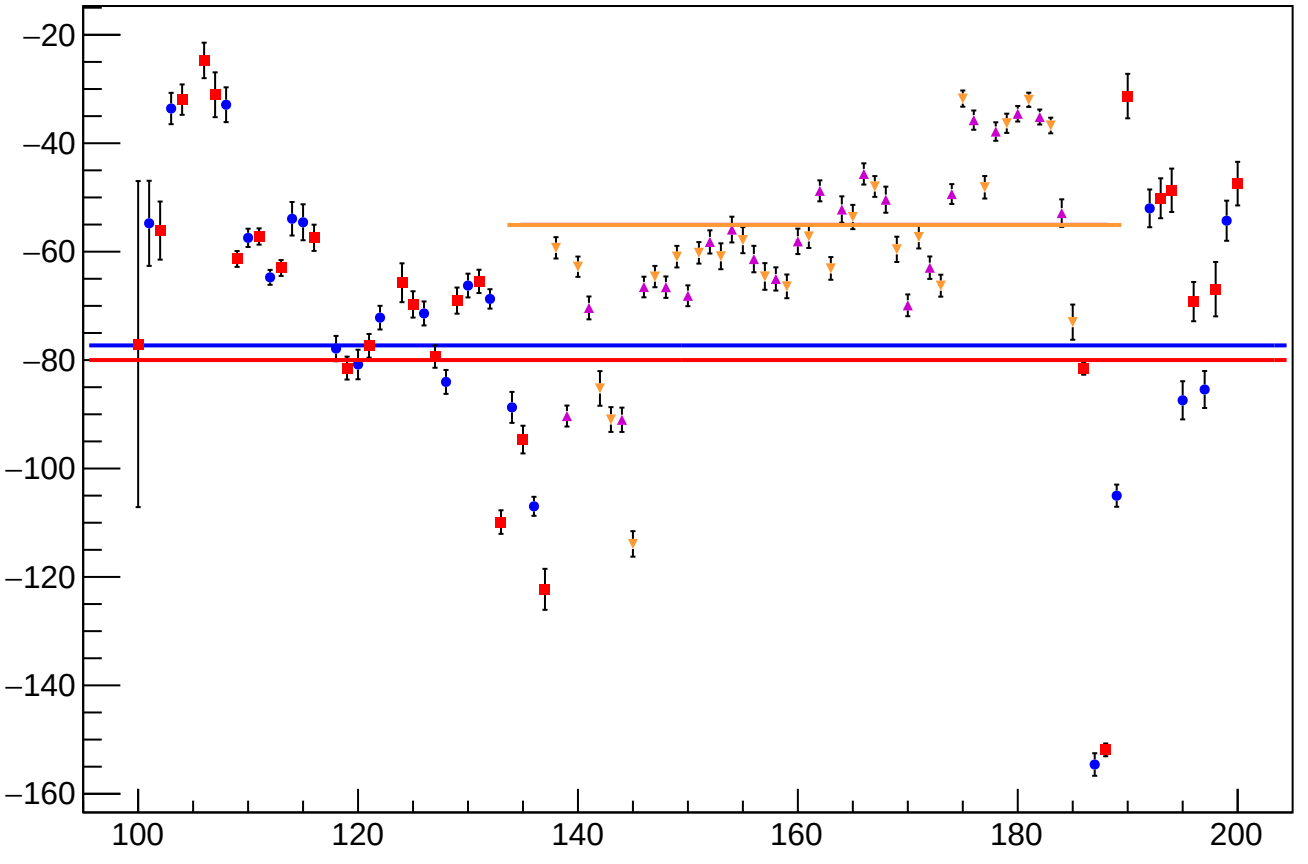
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 82.869+/-0.033 χ^2/NDF: 1118087.4/48

In: 107.036+/-0.029 χ^2/NDF:439474.8/44

Out: 97.571+/-0.027 χ^2/NDF:1498994.2/50

All: 102.028+/-0.020 χ^2/NDF: 1996768.3/95



Right In: -77.292+/-0.500 χ^2/NDF: 2797.4/21

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

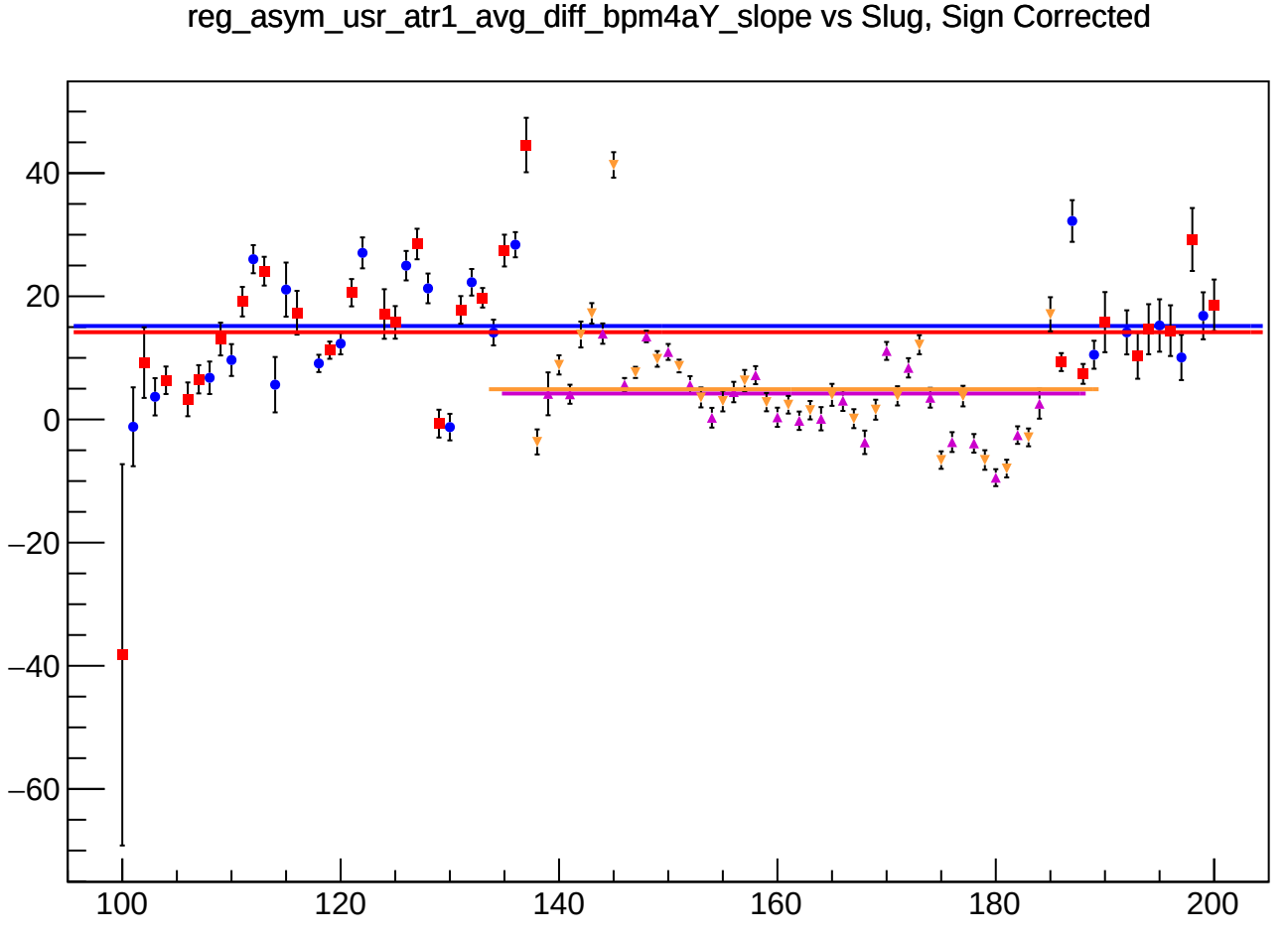
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

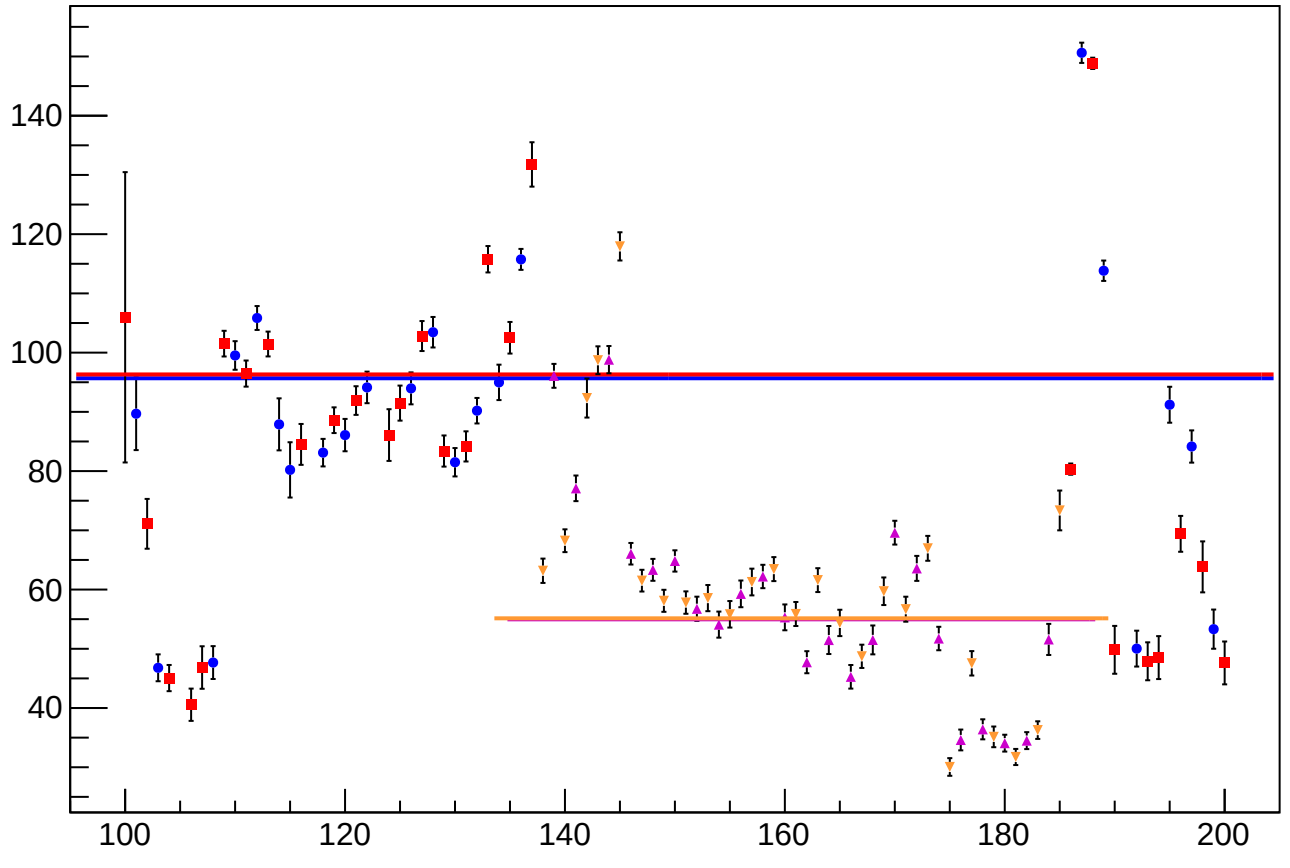
Right: -78.844+/-0.326 χ^2/NDF: 8682.1/48

In: -64.015+/-0.317 χ^2/NDF:5522.7/44

Out: -66.655+/-0.293 χ^2/NDF:9668.8/51

All: -65.439+/-0.215 χ^2/NDF: 15228.9/96


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 15.175+/-0.533 χ²/NDF: 274.3/21
Left Out: 4.910+/-0.301 χ²/NDF:741.5/24
Right Out: 14.174+/-0.477 χ²/NDF: 284.5/26
Left In: 4.215+/-0.312 χ²/NDF:415.1/22
Left: 4.575+/-0.217 χ²/NDF: 1159.1/47
Right: 14.620+/-0.355 χ²/NDF: 560.7/48
In: 7.017+/-0.269 χ²/NDF:1004.1/44
Out: 7.552+/-0.255 χ²/NDF:1295.5/51
All: 7.300+/-0.185 χ²/NDF: 2301.7/96



Right In: 95.673+/-0.530 χ^2/NDF: 2584.1/21

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

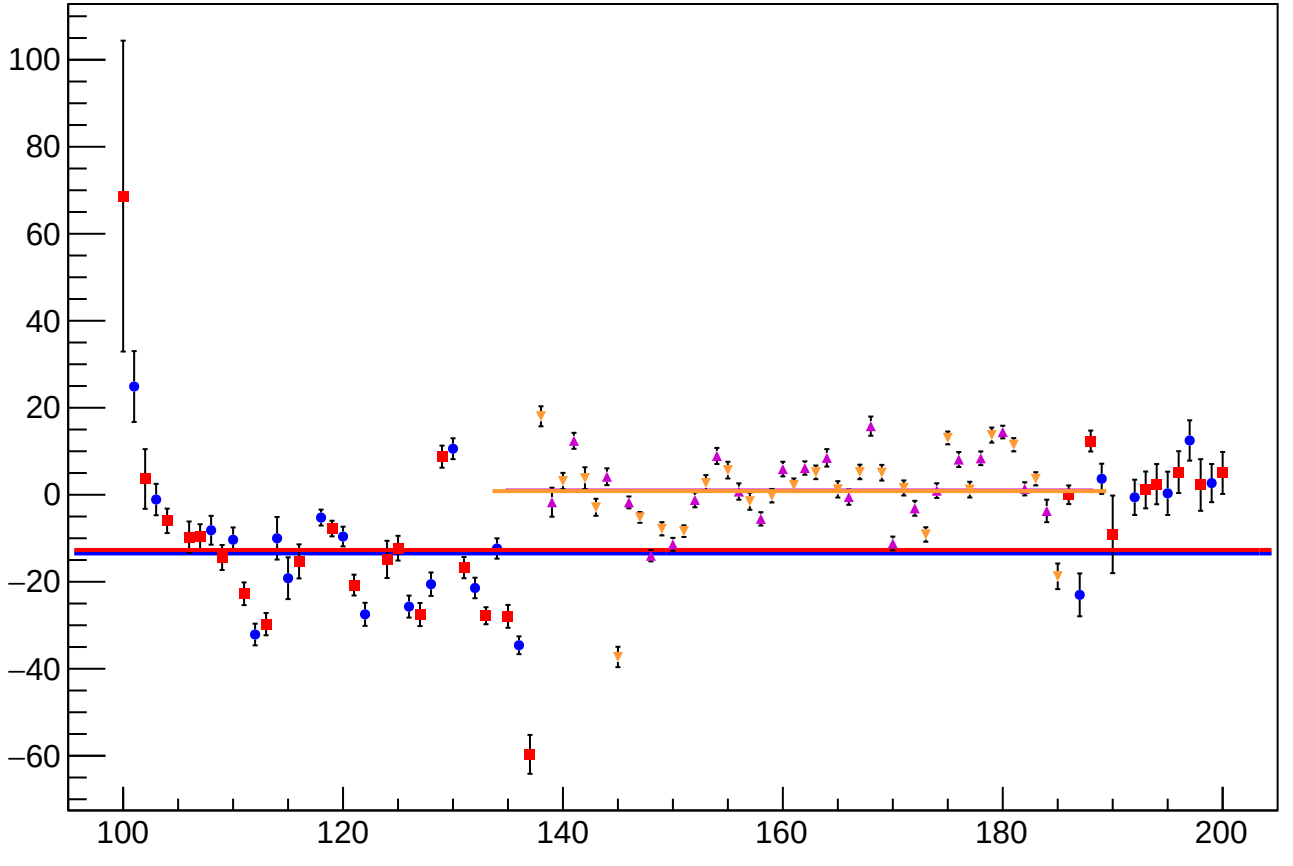
Right: 96.060+/-0.335 χ^2/NDF: 8242.1/48

In: 70.006+/-0.322 χ^2/NDF:8084.3/44

Out: 73.931+/-0.293 χ^2/NDF:12810.5/51

All: 72.156+/-0.217 χ^2/NDF: 20976.1/96

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.491+/-0.622 χ^2/NDF: 486.4/21

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

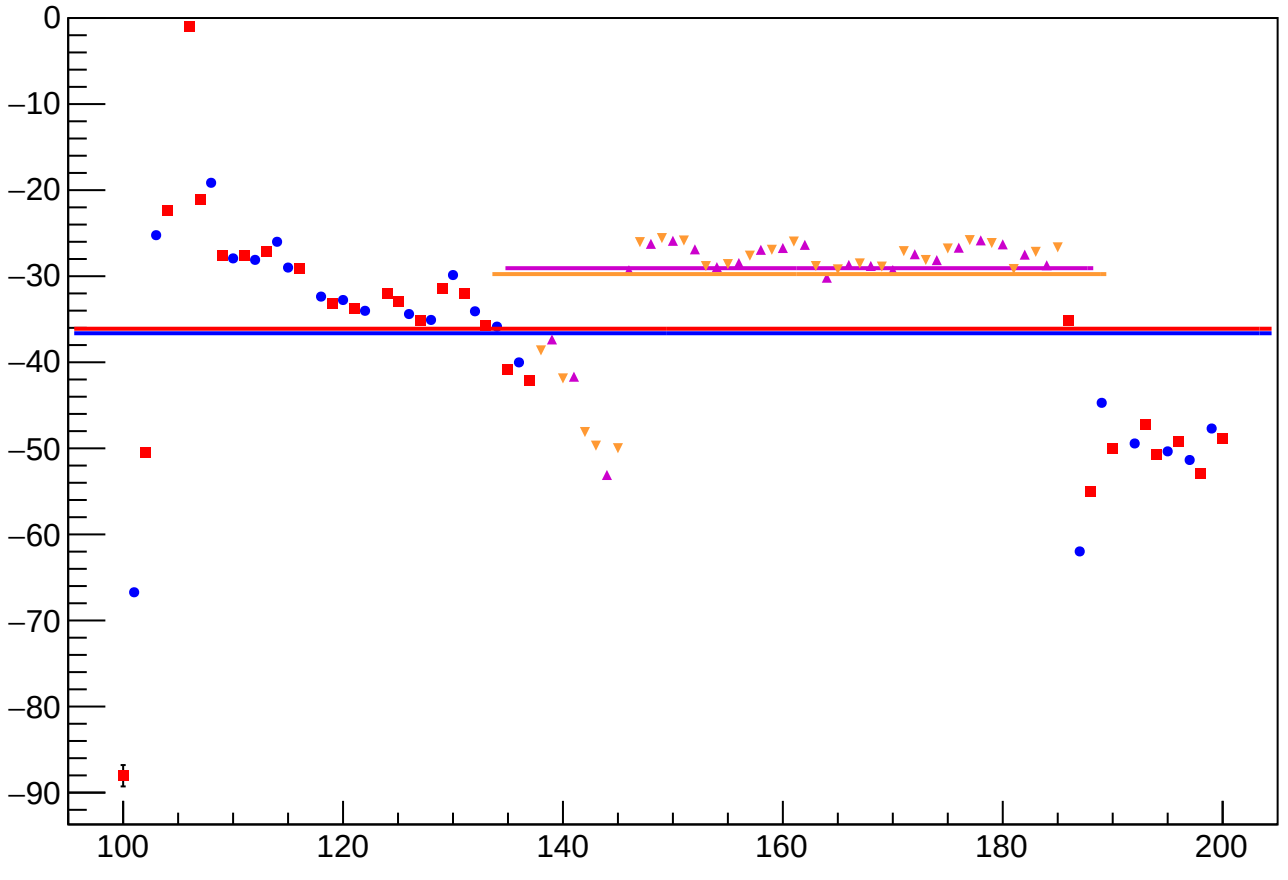
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -13.056+/-0.422 χ^2/NDF: 1093.1/48

In: -2.548+/-0.307 χ^2/NDF:1453.8/44

Out: -2.717+/-0.294 χ^2/NDF:1732.2/51

All: -2.636+/-0.213 χ^2/NDF: 3186.2/96



Right In: -36.628+/-0.033 χ^2/NDF: 101222.3/21

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

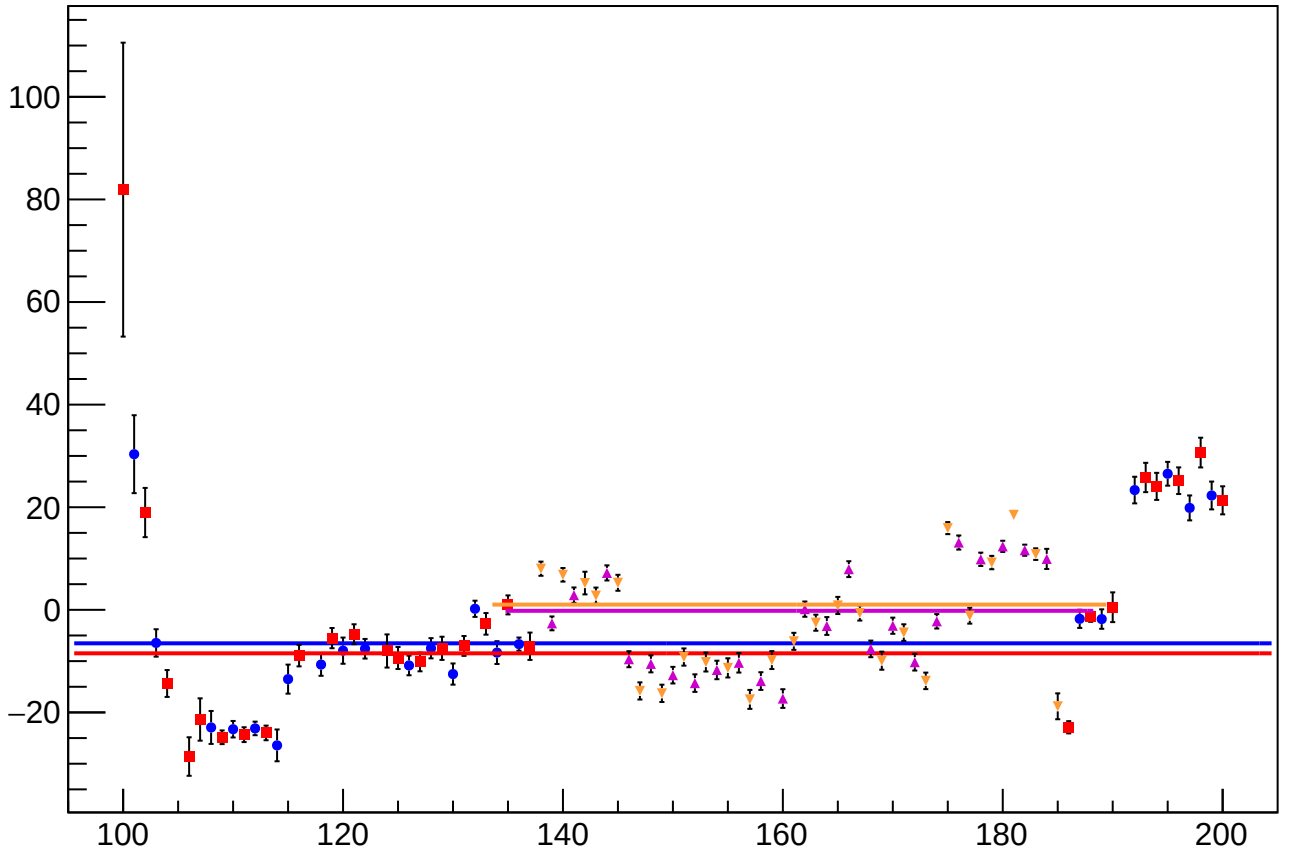
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.350+/-0.023 χ^2/NDF: 298985.4/48

In: -30.496+/-0.014 χ^2/NDF:246076.3/44

Out: -31.033+/-0.014 χ^2/NDF:394669.5/51

All: -30.771+/-0.010 χ^2/NDF: 641474.3/96



Right In: -6.530+/-0.435 χ^2/NDF: 978.9/21

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

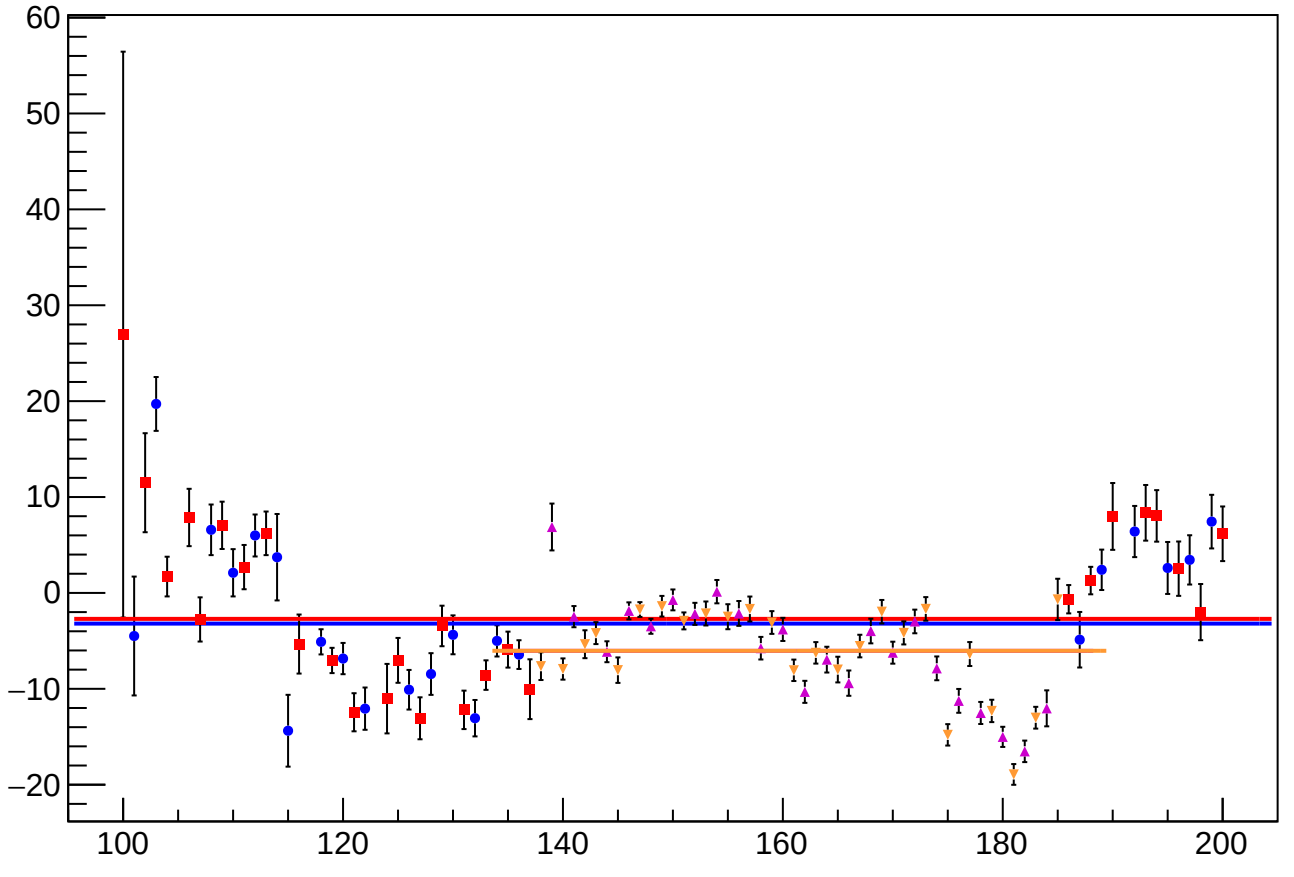
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

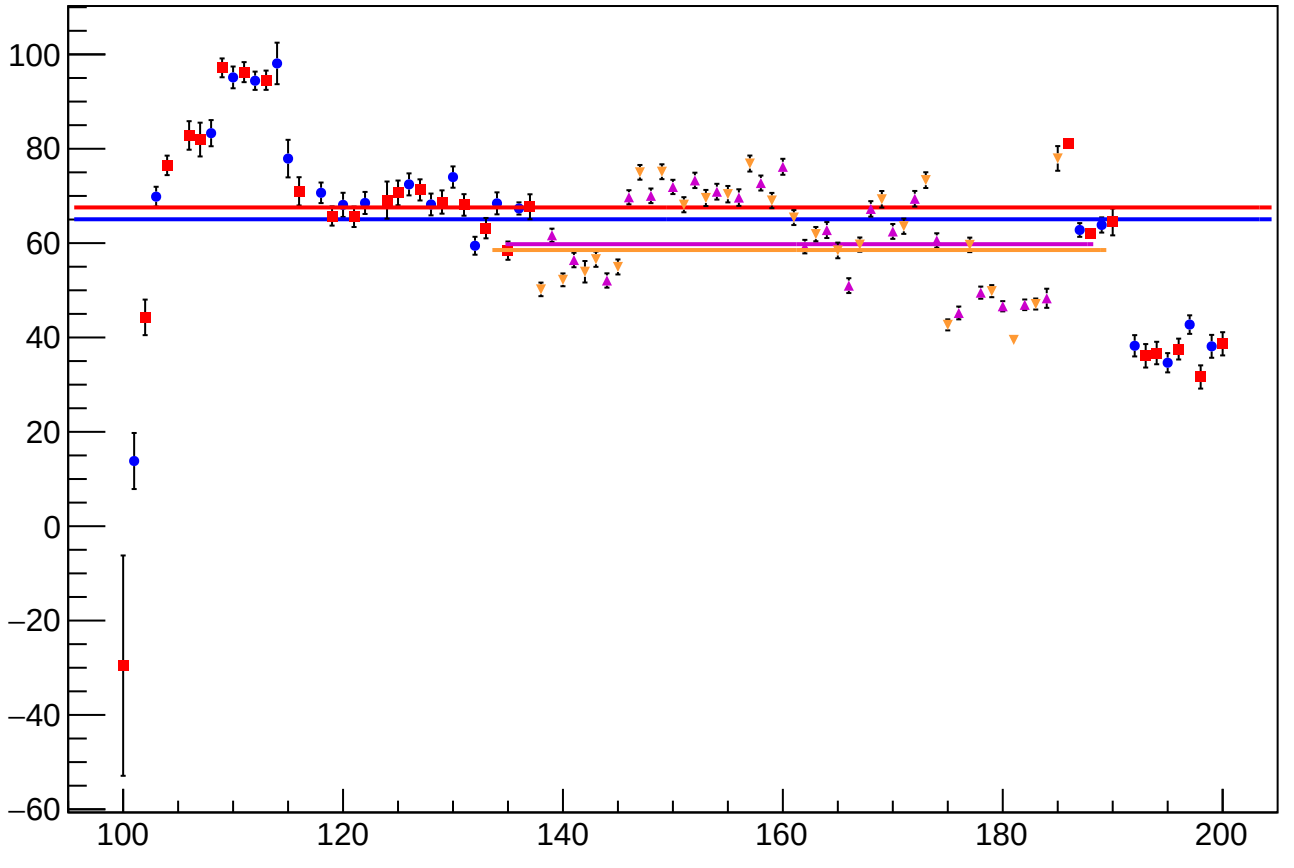
Right: -7.626+/-0.288 χ^2/NDF: 2477.3/48

In: -2.369+/-0.255 χ^2/NDF:2101.1/44

Out: -2.658+/-0.239 χ^2/NDF:3197.7/51

All: -2.523+/-0.174 χ^2/NDF: 5299.4/96


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: -3.198+/-0.464 χ²/NDF: 233.4/21
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: -2.933+/-0.315 χ²/NDF: 471.2/48
In: -5.432+/-0.215 χ²/NDF:659.1/44
Out: -5.274+/-0.205 χ²/NDF:698.7/51
All: -5.349+/-0.148 χ²/NDF: 1358.1/96



Right In: 65.053+/-0.454 χ^2/NDF: 1259.7/21

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

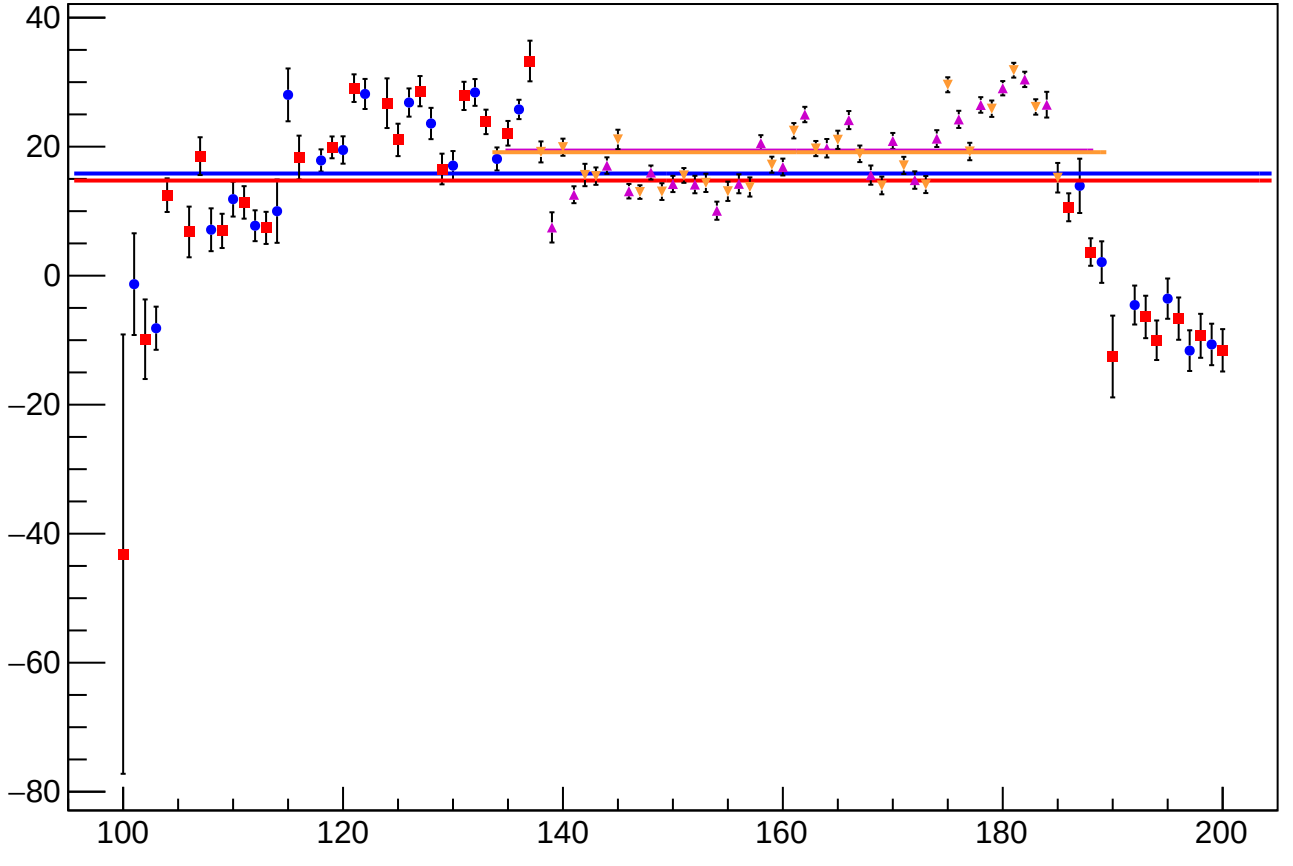
Right: 66.514+/-0.294 χ^2/NDF: 3111.0/48

In: 61.466+/-0.257 χ^2/NDF:2422.0/44

Out: 61.988+/-0.238 χ^2/NDF:3622.5/51

All: 61.747+/-0.175 χ^2/NDF: 6046.7/96

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.836+/-0.536 χ^2/NDF: 483.6/21

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

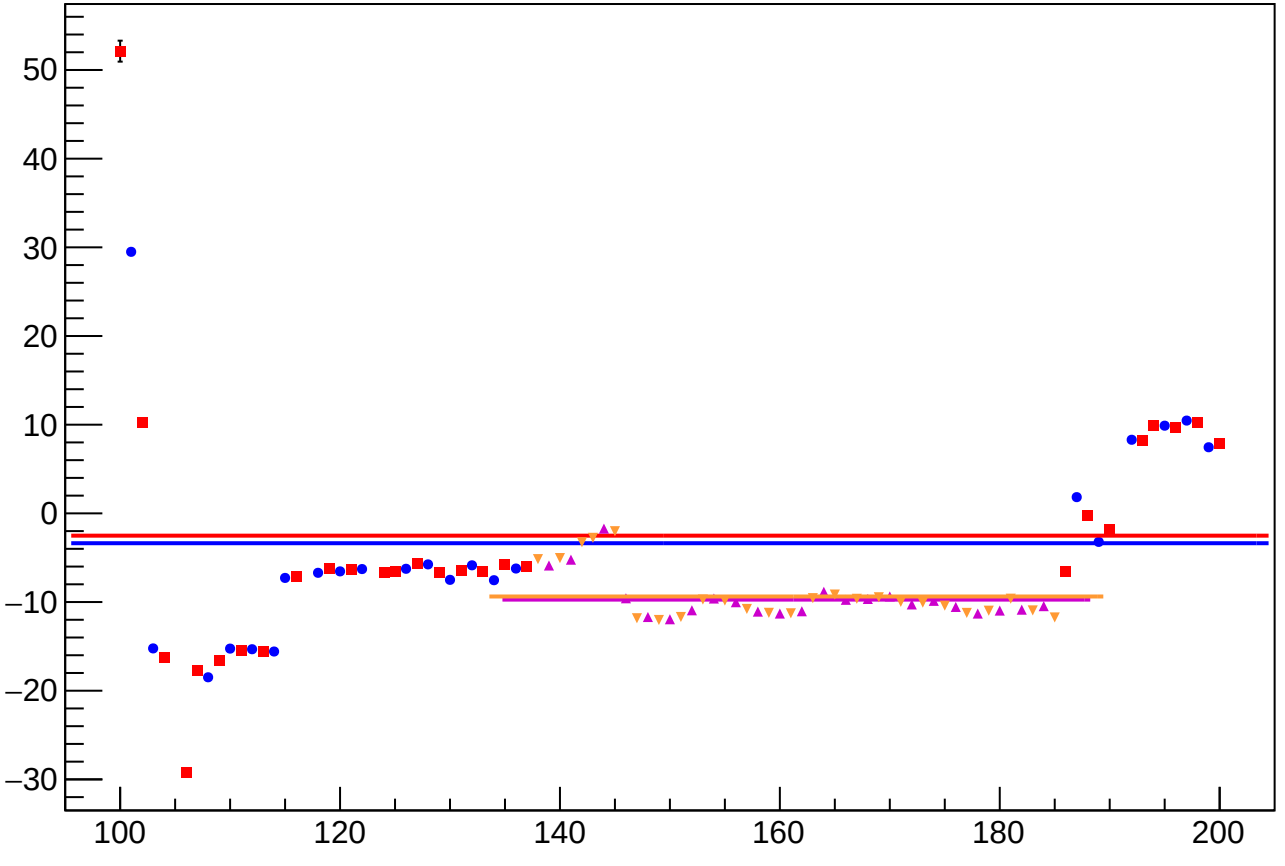
Right: 15.265+/-0.369 χ^2/NDF: 1057.7/48

In: 18.655+/-0.244 χ^2/NDF:986.2/44

Out: 18.210+/-0.234 χ^2/NDF:1064.1/51

All: 18.424+/-0.169 χ^2/NDF: 2052.0/96

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -3.367+/-0.026 χ^2/NDF: 129970.9/21

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

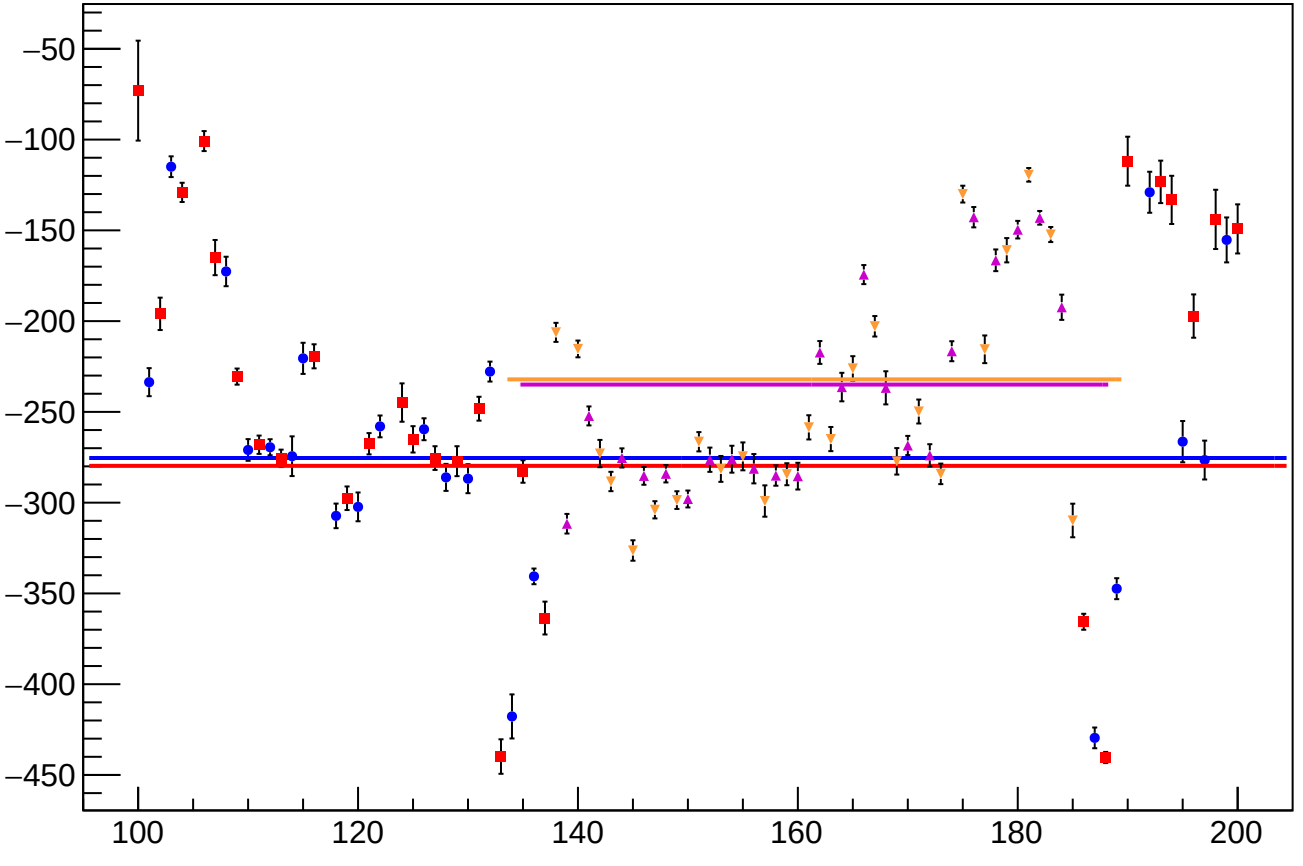
Right: -2.927+/-0.018 χ^2/NDF: 304550.2/48

In: -8.623+/-0.011 χ^2/NDF:209713.7/44

Out: -8.159+/-0.011 χ^2/NDF:283058.8/51

All: -8.386+/-0.008 χ^2/NDF: 493681.3/96

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -275.400+/-1.450 χ^2/NDF: 2664.3/21

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

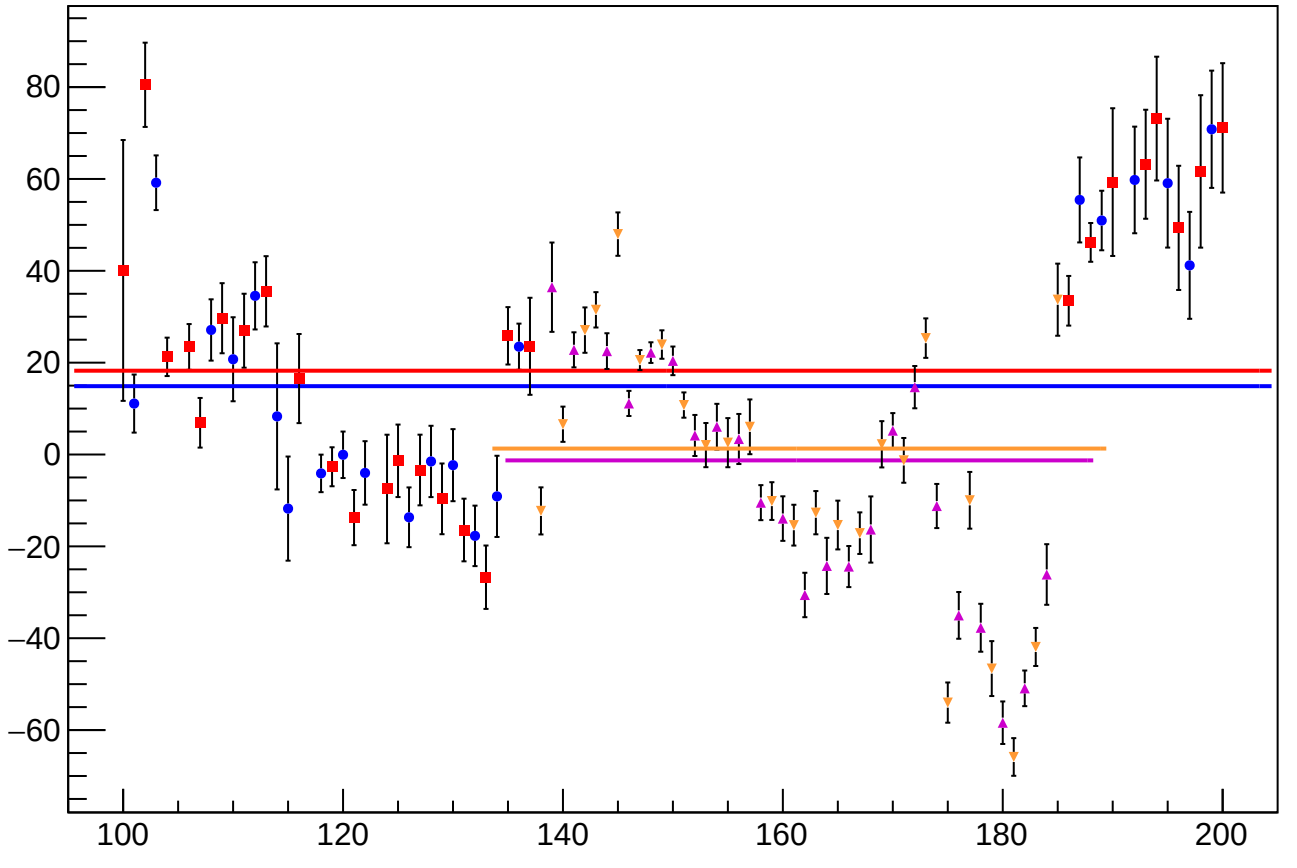
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -277.869+/-0.950 χ^2/NDF: 9242.5/48

In: -250.993+/-0.913 χ^2/NDF:5603.9/44

Out: -253.664+/-0.845 χ^2/NDF:10629.5/51

All: -252.431+/-0.620 χ^2/NDF: 16238.1/96



Right In: 14.881+/-1.522 χ^2/NDF: 273.0/21

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

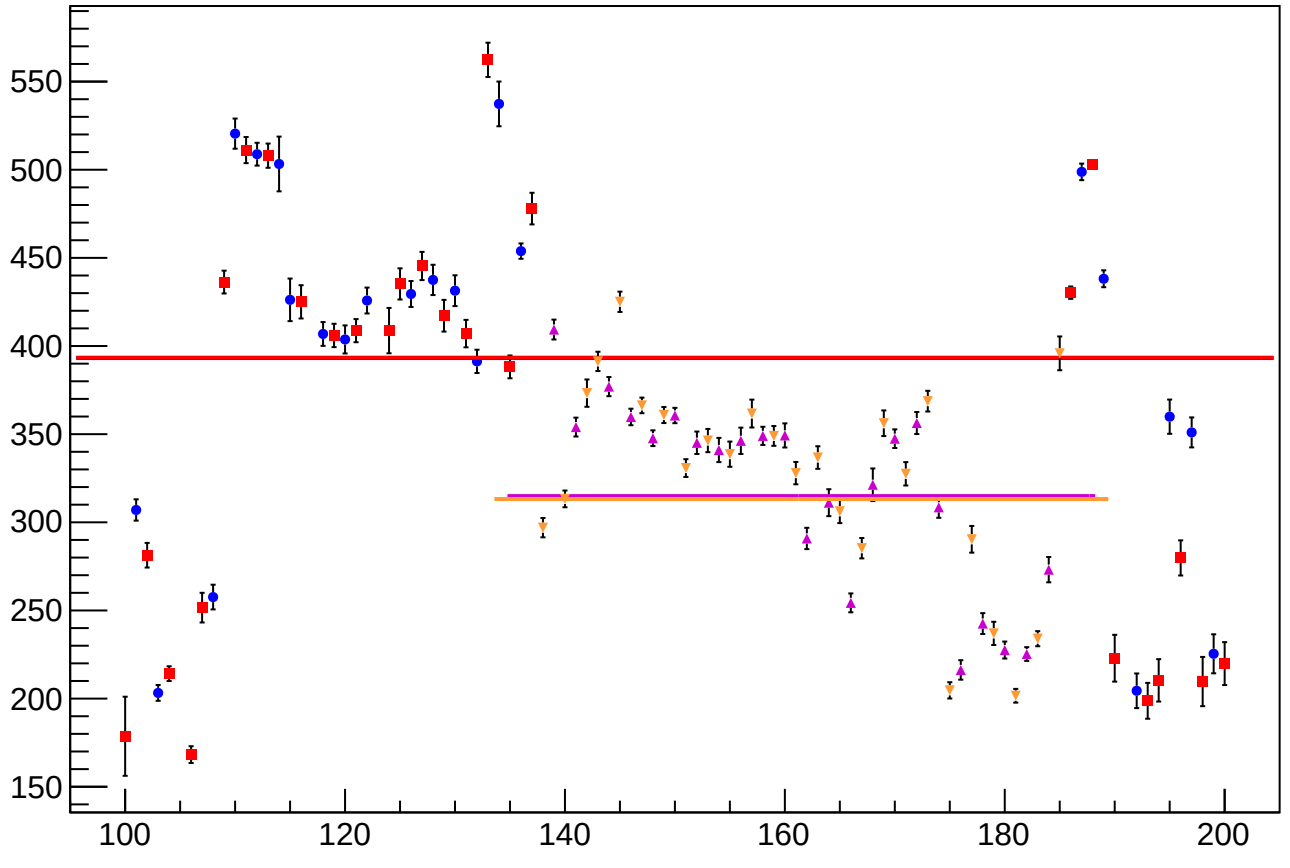
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 16.758+/-1.013 χ^2/NDF: 606.9/48

In: 2.690+/-0.755 χ^2/NDF:1169.2/44

Out: 5.968+/-0.712 χ^2/NDF:1493.8/51

All: 4.424+/-0.518 χ^2/NDF: 2672.9/96



Right In: 393.175+/-1.472 χ^2/NDF: 4622.5/21

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

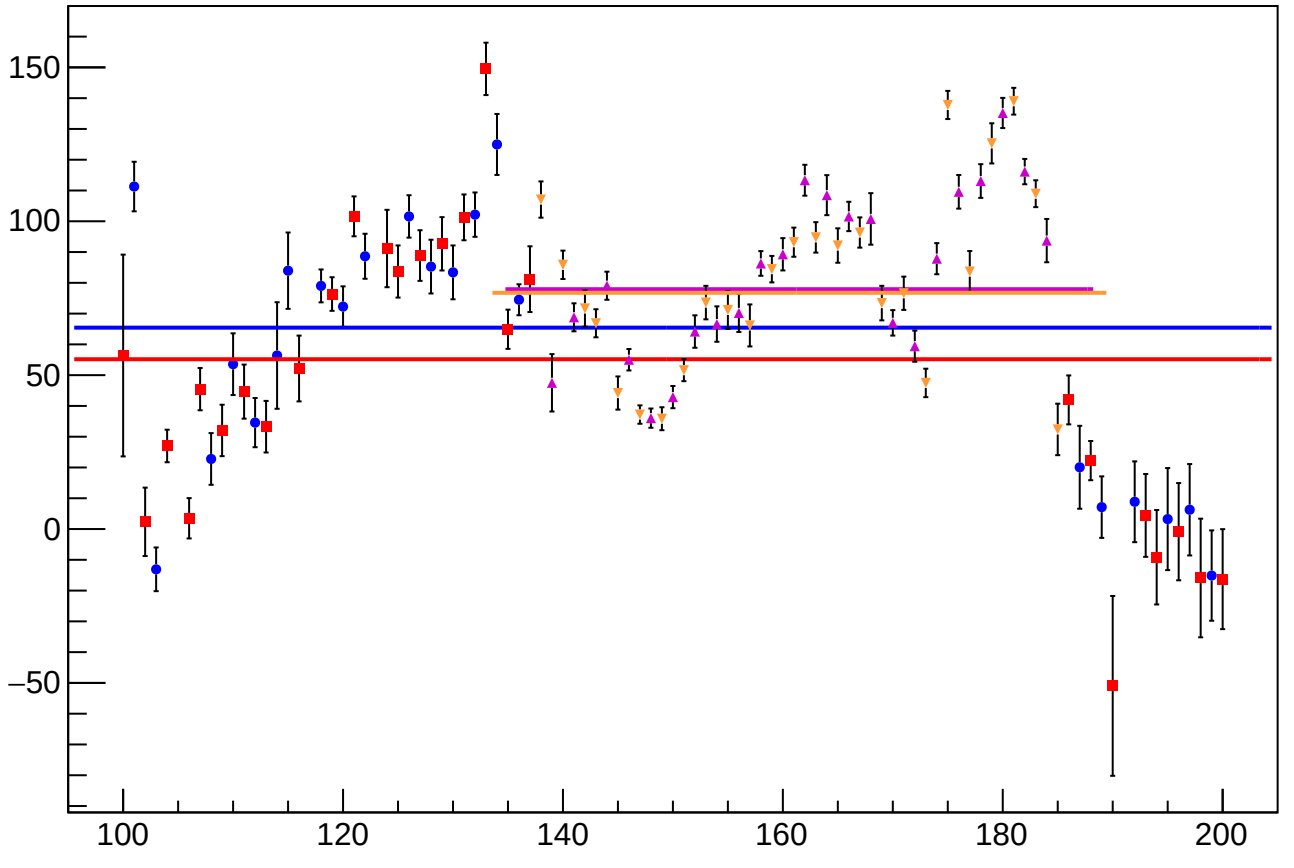
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 393.299+/-0.944 χ^2/NDF: 13757.2/48

In: 344.903+/-0.912 χ^2/NDF:8795.7/44

Out: 350.003+/-0.834 χ^2/NDF:14565.7/51

All: 347.680+/-0.615 χ^2/NDF: 23378.4/96



Right In: 65.434+/-1.790 χ^2/NDF: 443.2/21

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

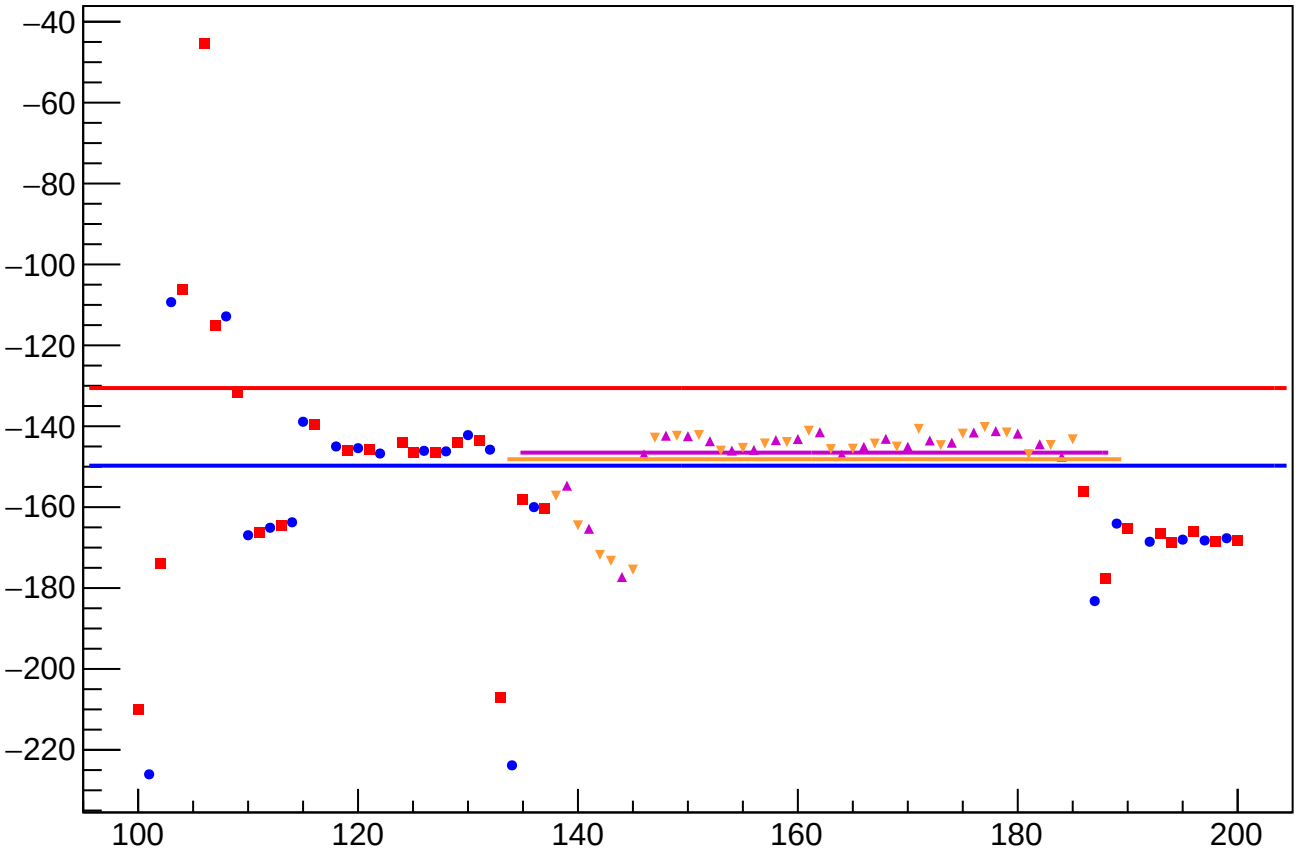
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 59.854+/-1.209 χ^2/NDF: 1003.0/48

In: 74.967+/-0.871 χ^2/NDF:1264.2/44

Out: 71.188+/-0.833 χ^2/NDF:1706.0/51

All: 72.992+/-0.602 χ^2/NDF: 2980.0/96



Right In: -149.746+/-0.088 χ^2/NDF: 143343.7/21

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

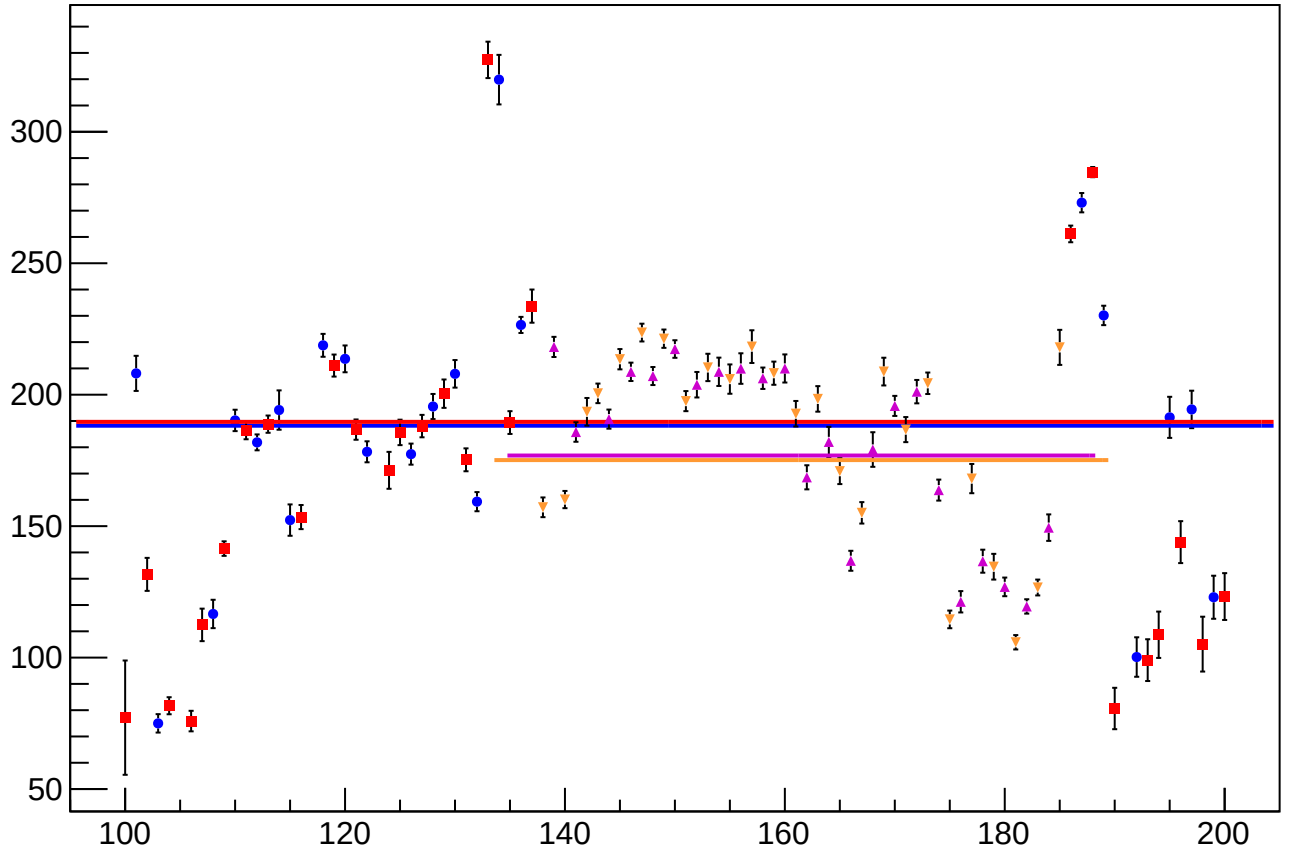
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -139.055+/-0.059 χ^2/NDF: 506809.7/48

In: -147.200+/-0.040 χ^2/NDF:173568.2/44

Out: -143.804+/-0.039 χ^2/NDF:423661.5/51

All: -145.444+/-0.028 χ^2/NDF: 600868.5/96



Right In: 188.208+/-0.971 χ^2/NDF: 2654.1/21

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

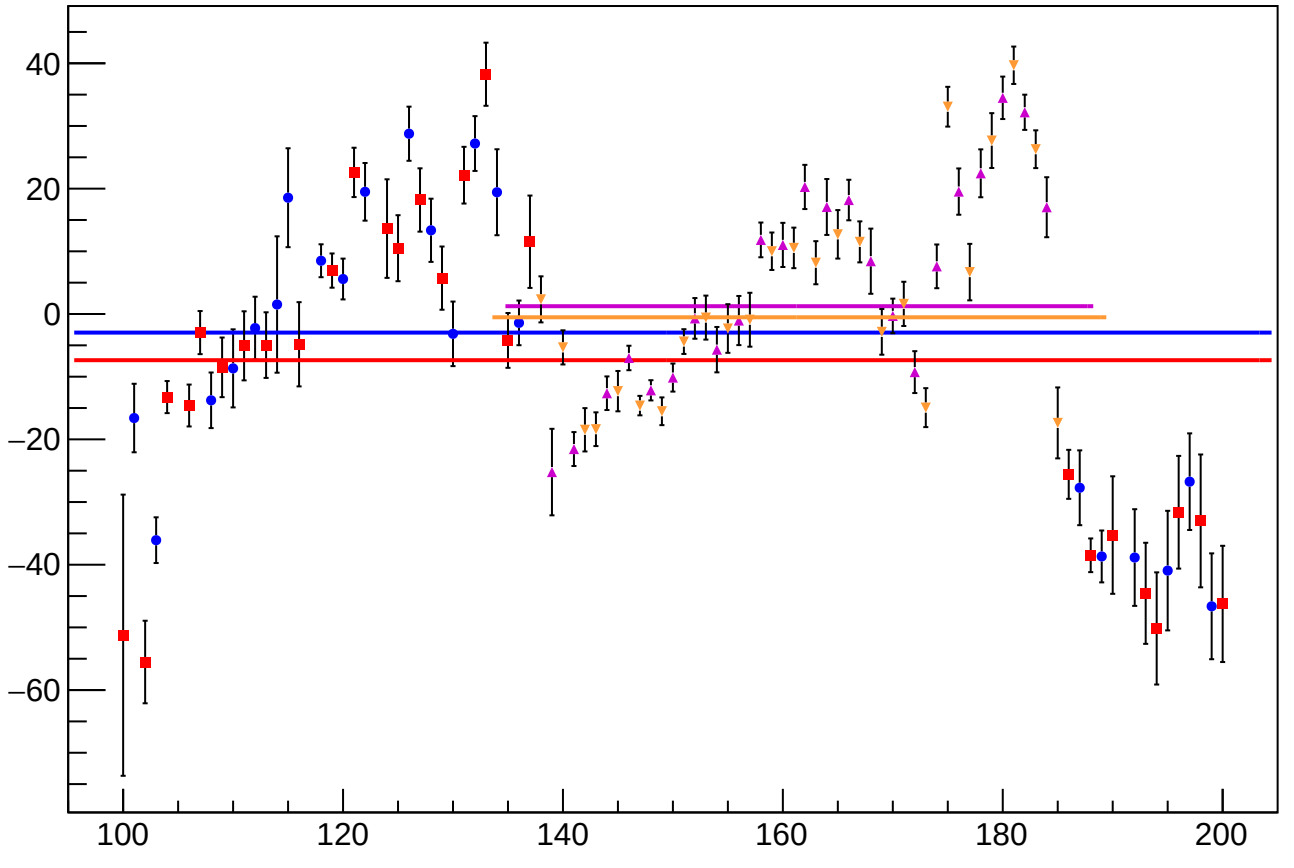
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 189.054+/-0.632 χ^2/NDF: 9224.1/48

In: 181.762+/-0.638 χ^2/NDF:4487.7/44

Out: 182.319+/-0.584 χ^2/NDF:9018.8/51

All: 182.065+/-0.431 χ^2/NDF: 13506.9/96



Right In: -2.966+/-1.018 χ^2/NDF: 441.2/21

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

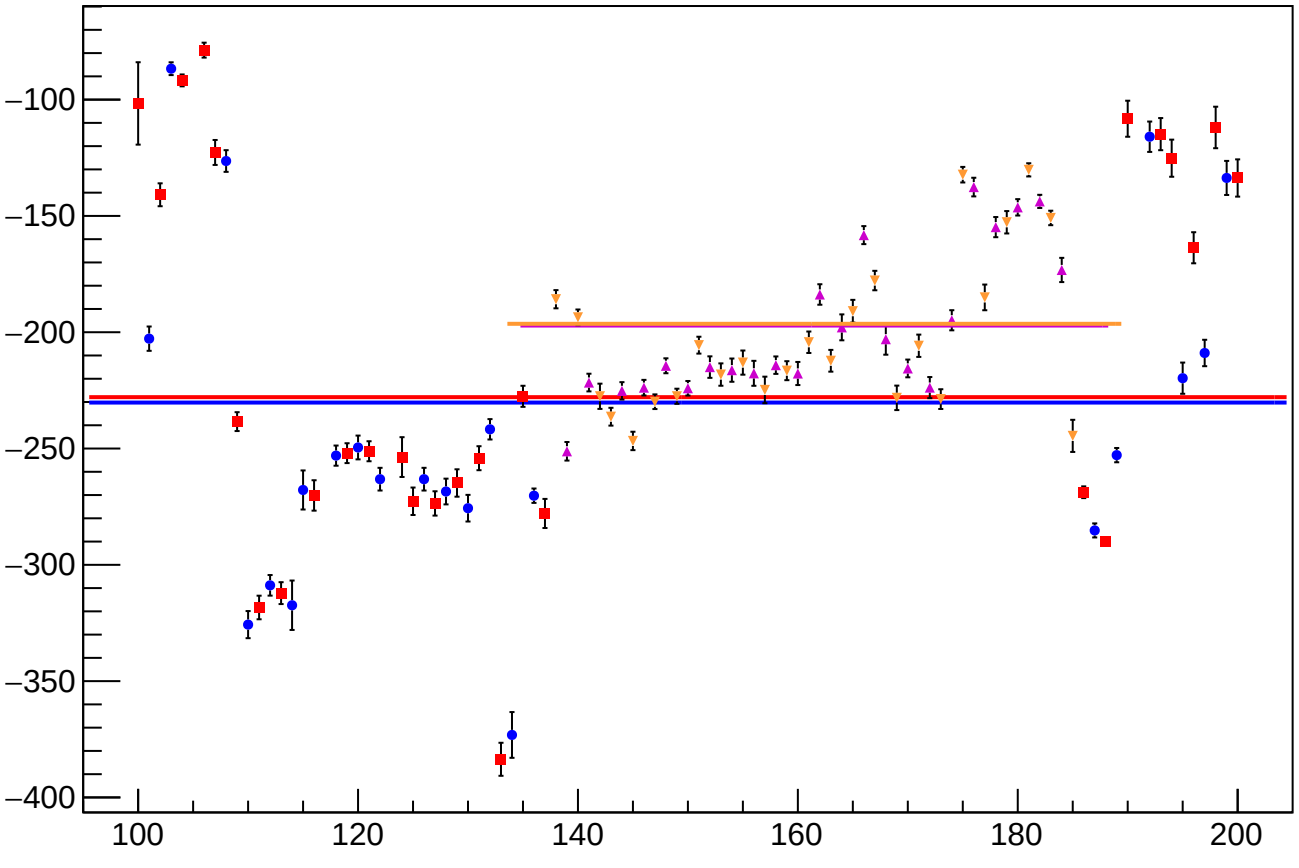
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -5.454+/-0.672 χ^2/NDF: 1029.0/48

In: 0.091+/-0.533 χ^2/NDF:1074.2/44

Out: -2.654+/-0.499 χ^2/NDF:1342.0/51

All: -1.373+/-0.364 χ^2/NDF: 2430.4/96



Right In: -230.237+/-0.983 χ^2/NDF: 5434.4/21

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

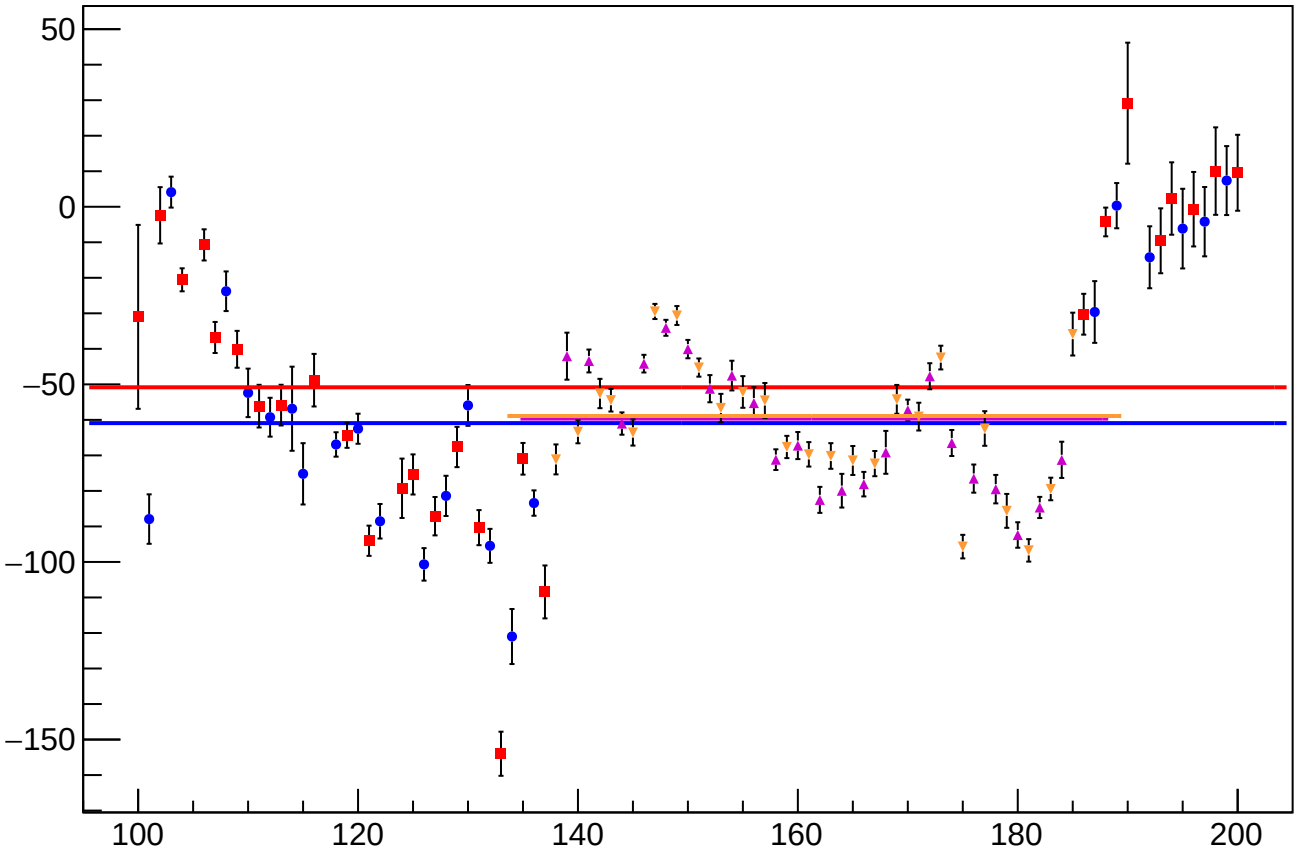
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -228.856+/-0.625 χ^2/NDF: 15609.4/48

In: -211.044+/-0.637 χ^2/NDF:7693.8/44

Out: -212.244+/-0.575 χ^2/NDF:12921.2/51

All: -211.705+/-0.427 χ^2/NDF: 20617.0/96



Right In: -60.912+/-1.202 χ^2/NDF: 805.4/21

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

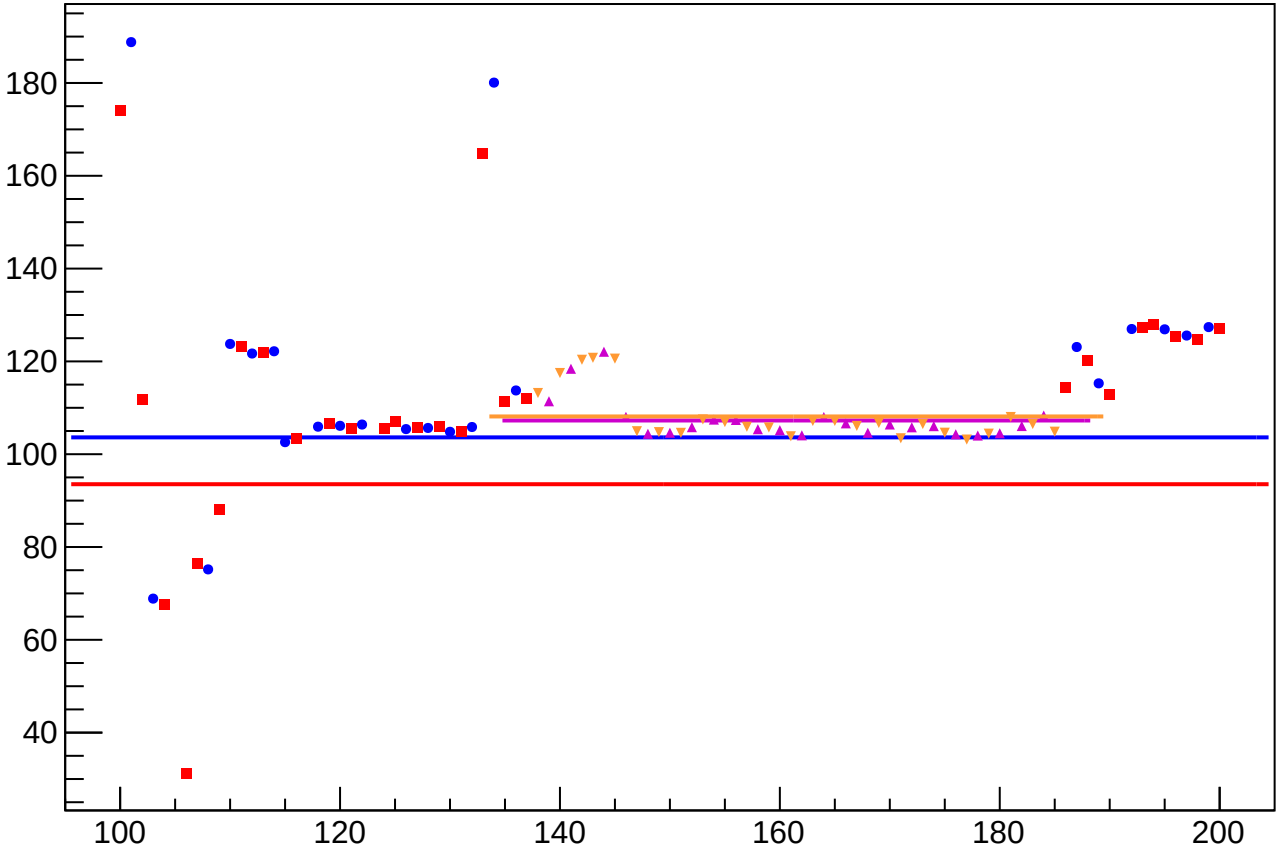
Right: -55.342+/-0.804 χ^2/NDF: 1985.9/48

In: -59.973+/-0.617 χ^2/NDF:1403.2/44

Out: -56.550+/-0.585 χ^2/NDF:1963.6/51

All: -58.171+/-0.424 χ^2/NDF: 3383.1/96

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.626+/-0.059 χ^2/NDF: 260881.0/21

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

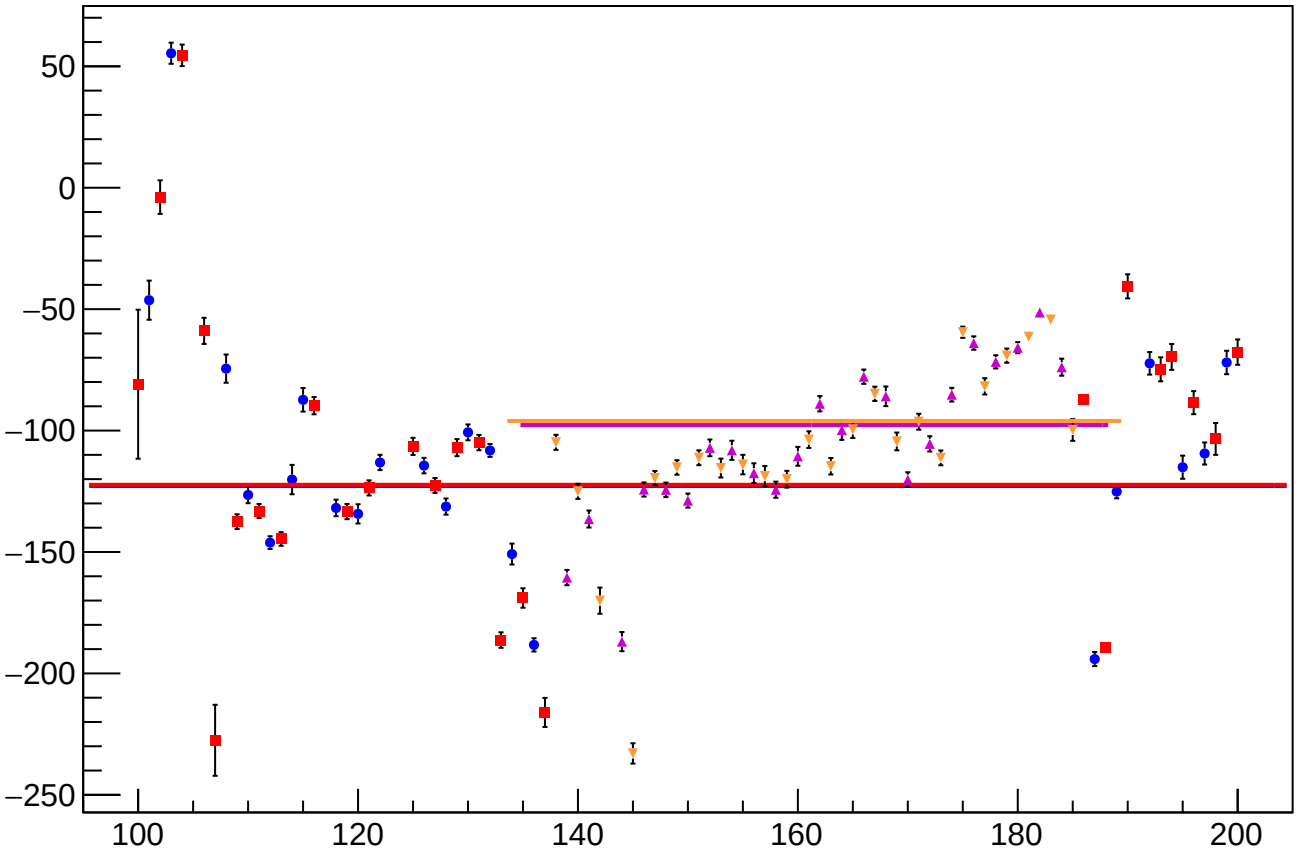
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 98.057+/-0.039 χ^2/NDF: 643532.4/48

In: 106.405+/-0.029 χ^2/NDF:280667.3/44

Out: 104.173+/-0.028 χ^2/NDF:447873.3/51

All: 105.250+/-0.020 χ^2/NDF: 731673.6/96



Right In: -122.777+/-0.769 χ^2/NDF: 3545.9/21

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

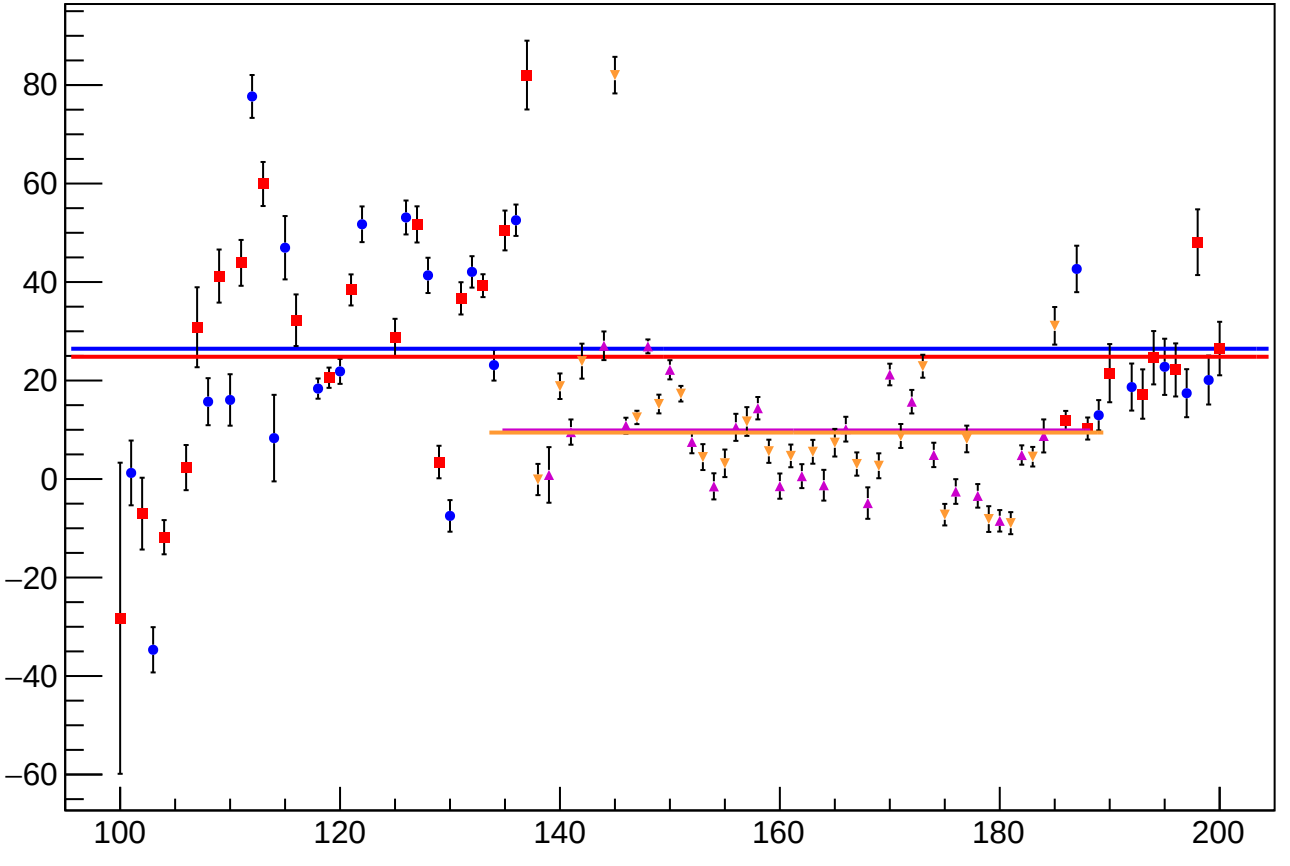
Right: -122.522+/-0.502 χ^2/NDF: 9443.6/47

In: -107.944+/-0.491 χ^2/NDF:6815.7/44

Out: -108.593+/-0.459 χ^2/NDF:9488.7/49

All: -108.291+/-0.335 χ^2/NDF: 16305.3/94

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.458+/-0.797 χ^2/NDF: 741.4/21

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

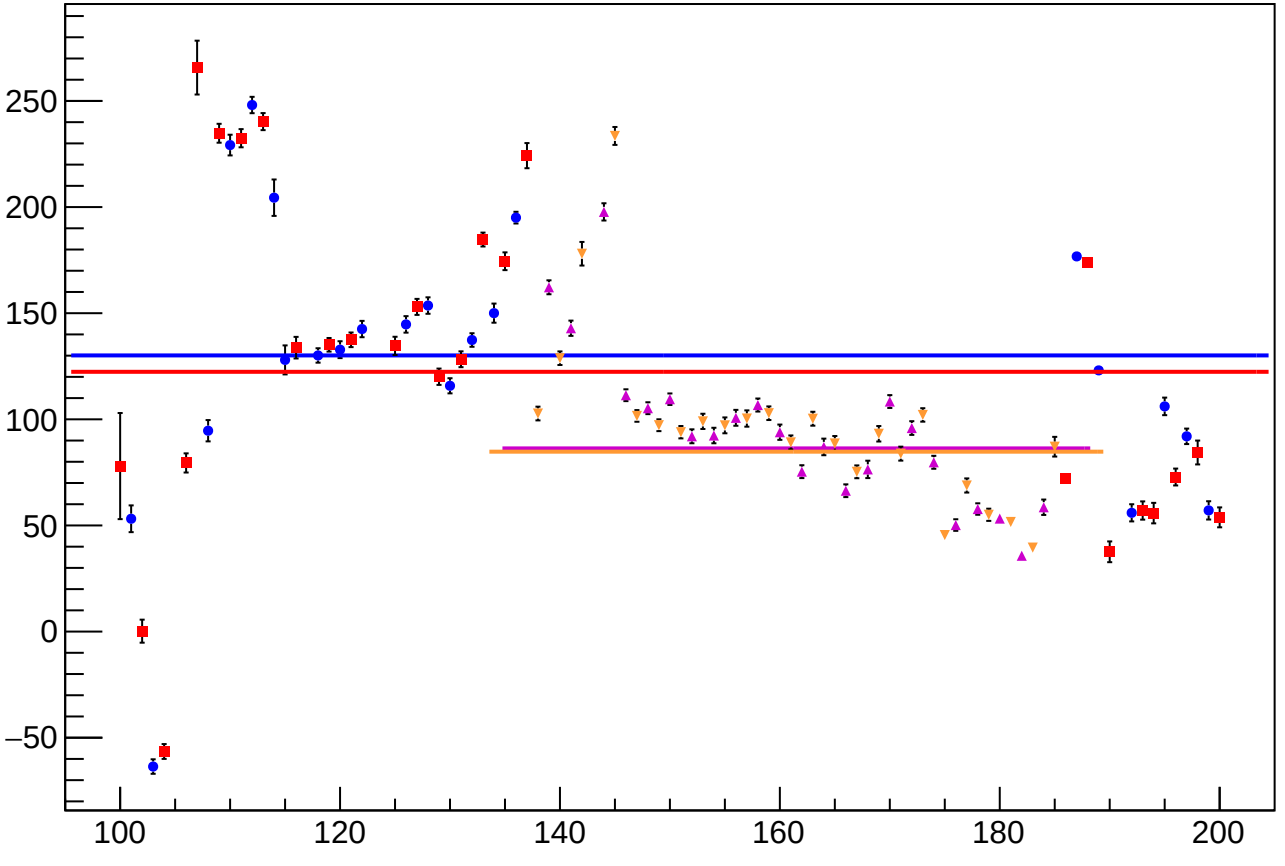
Right: 25.567+/-0.537 χ^2/NDF: 1367.8/47

In: 14.373+/-0.415 χ^2/NDF:1542.7/44

Out: 14.092+/-0.399 χ^2/NDF:1674.0/49

All: 14.227+/-0.288 χ^2/NDF: 3217.0/94

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 130.107+/-0.788 χ^2/NDF: 6656.4/21

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

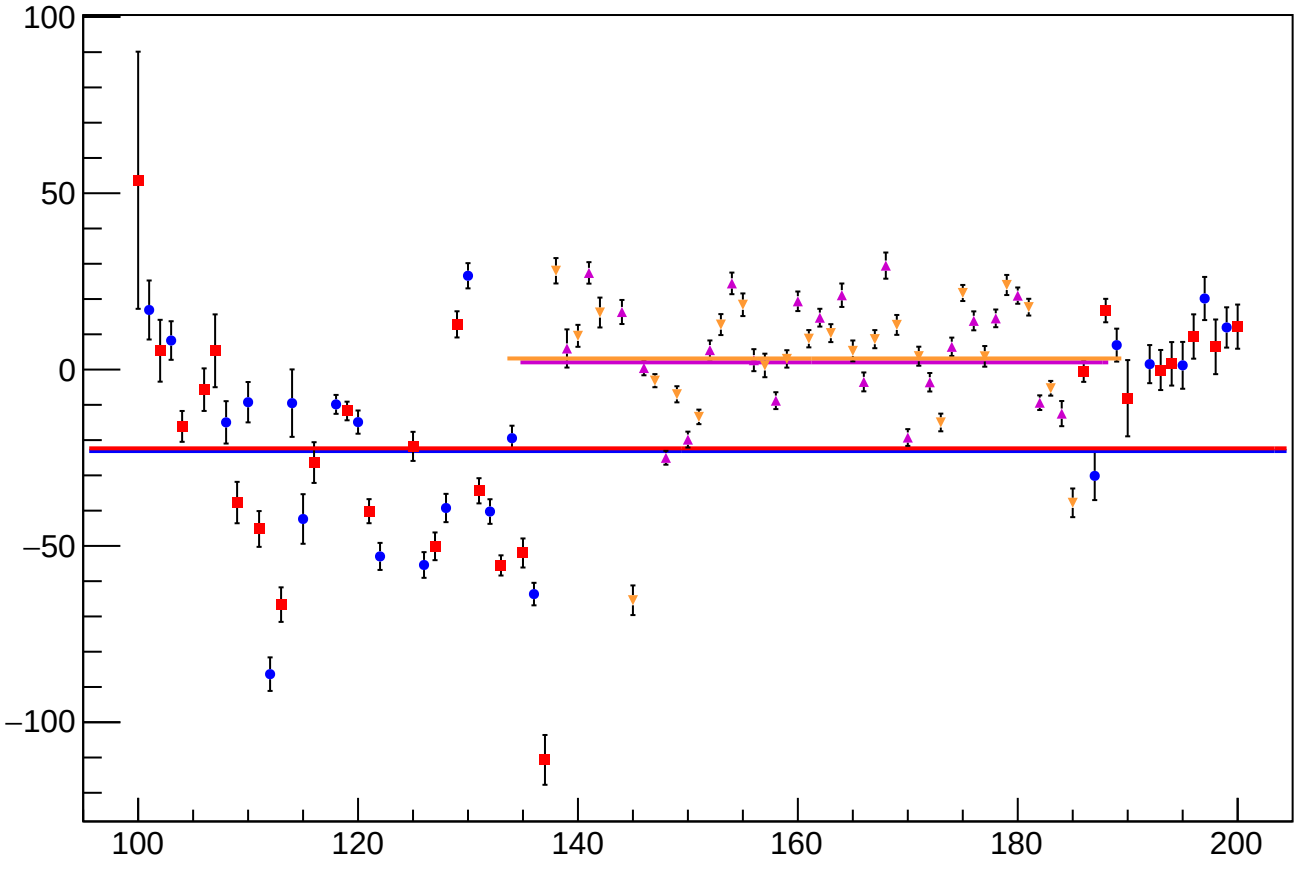
Right: 125.457+/-0.497 χ^2/NDF: 17264.1/47

In: 103.429+/-0.493 χ^2/NDF:11689.0/44

Out: 103.238+/-0.449 χ^2/NDF:15417.2/49

All: 103.325+/-0.332 χ^2/NDF: 27106.3/94

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.103+/-0.937 χ^2/NDF: 980.1/21

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

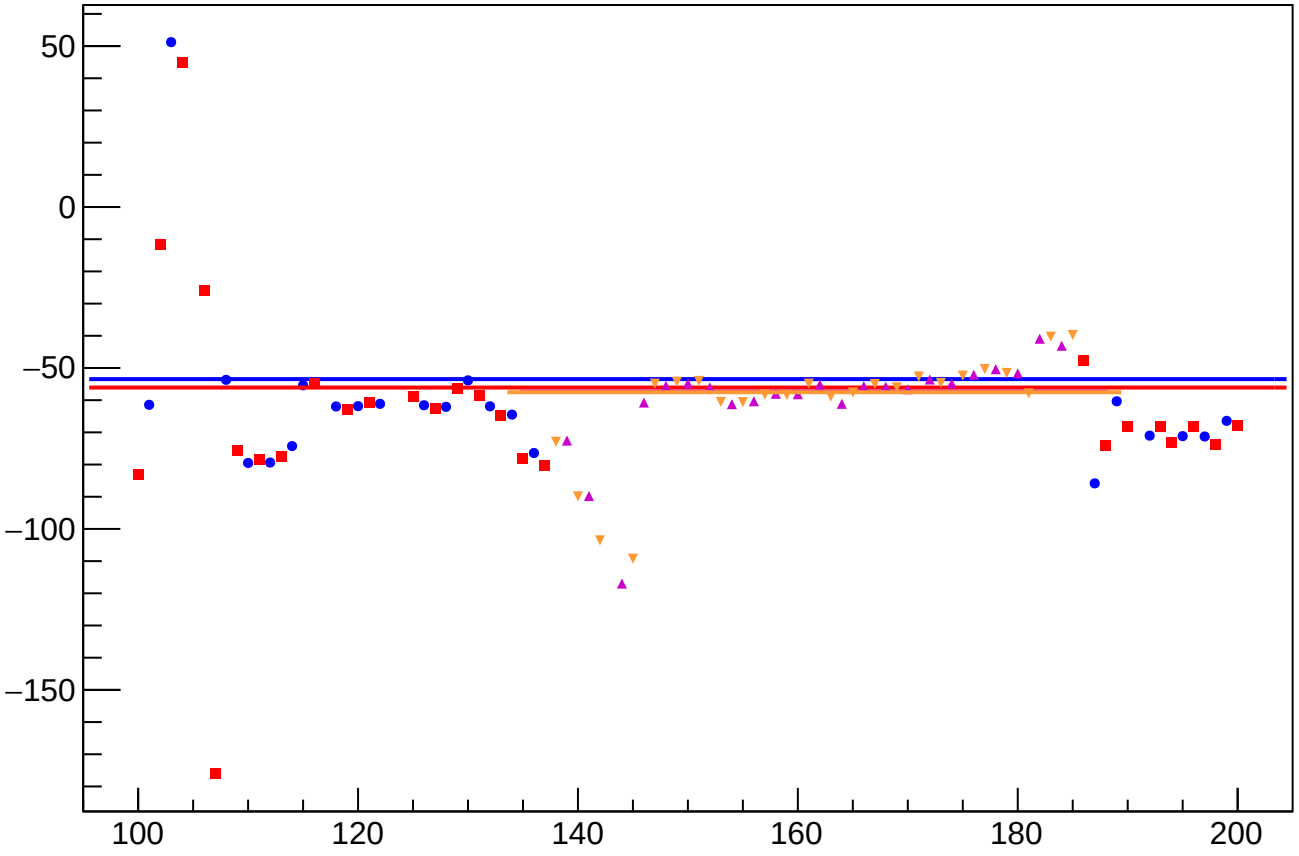
Right: -22.698+/-0.643 χ^2/NDF: 1951.8/47

In: -4.410+/-0.475 χ^2/NDF:2366.1/44

Out: -3.860+/-0.463 χ^2/NDF:2389.7/49

All: -4.128+/-0.332 χ^2/NDF: 4756.5/94

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.456+/-0.048 χ^2/NDF: 634483.1/21

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

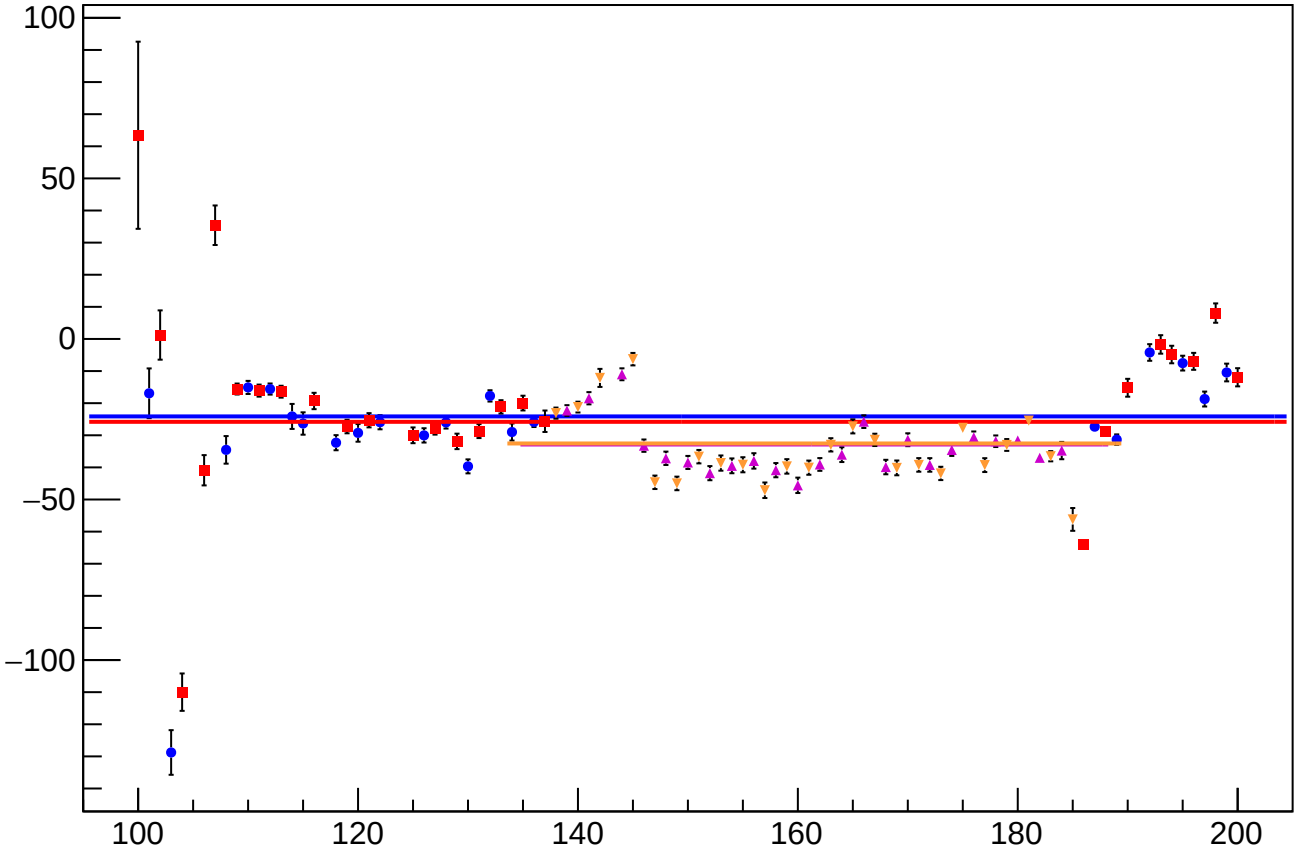
Right: -54.819+/-0.034 χ^2/NDF: 1196879.7/47

In: -56.565+/-0.022 χ^2/NDF:866817.5/44

Out: -57.211+/-0.022 χ^2/NDF:828665.1/49

All: -56.890+/-0.016 χ^2/NDF: 1695916.1/94

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.123+/-0.477 χ^2/NDF: 536.1/21

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

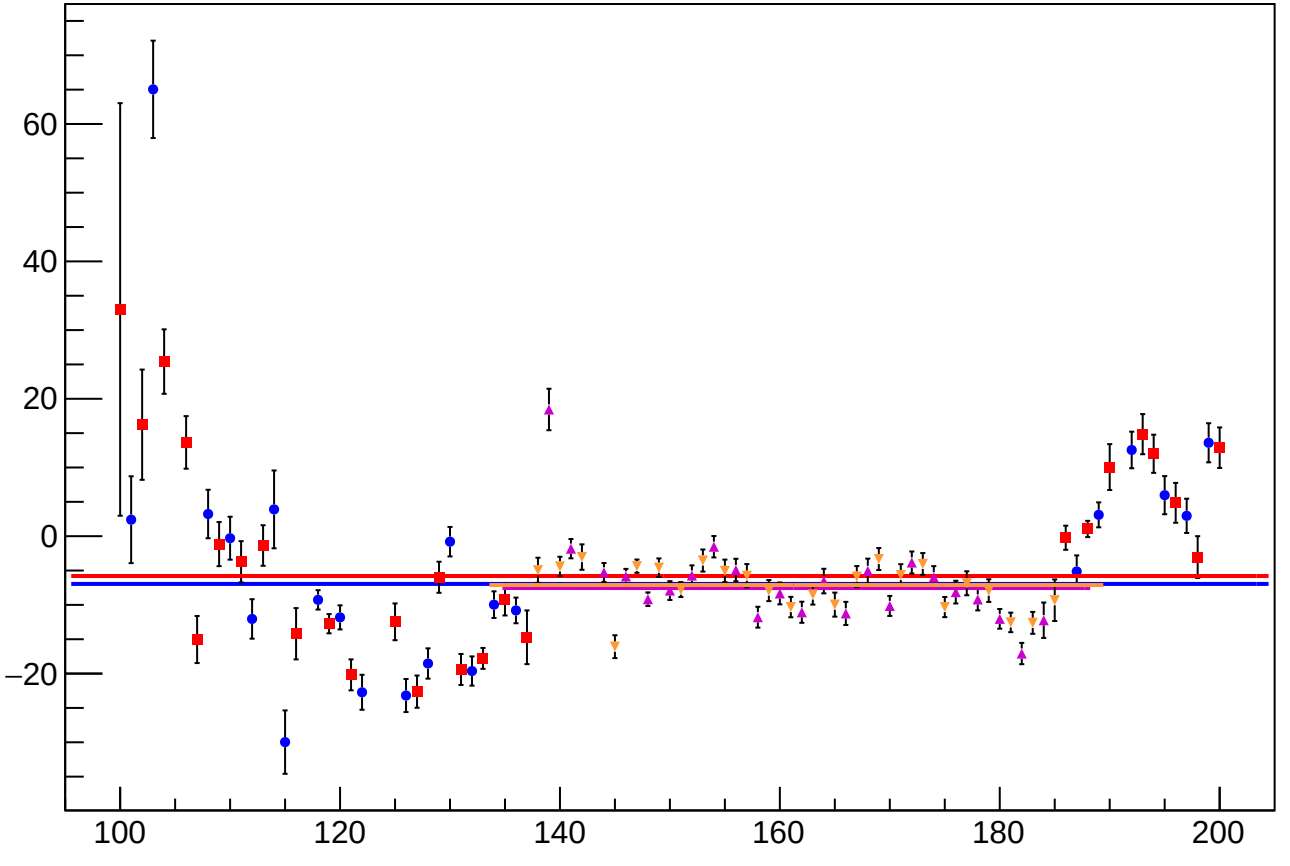
Right: -25.066+/-0.316 χ^2/NDF: 2085.3/47

In: -29.139+/-0.312 χ^2/NDF:1102.0/44

Out: -29.304+/-0.293 χ^2/NDF:2278.2/49

All: -29.227+/-0.213 χ^2/NDF: 3380.3/94

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.949+/-0.512 χ^2/NDF: 496.8/21

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

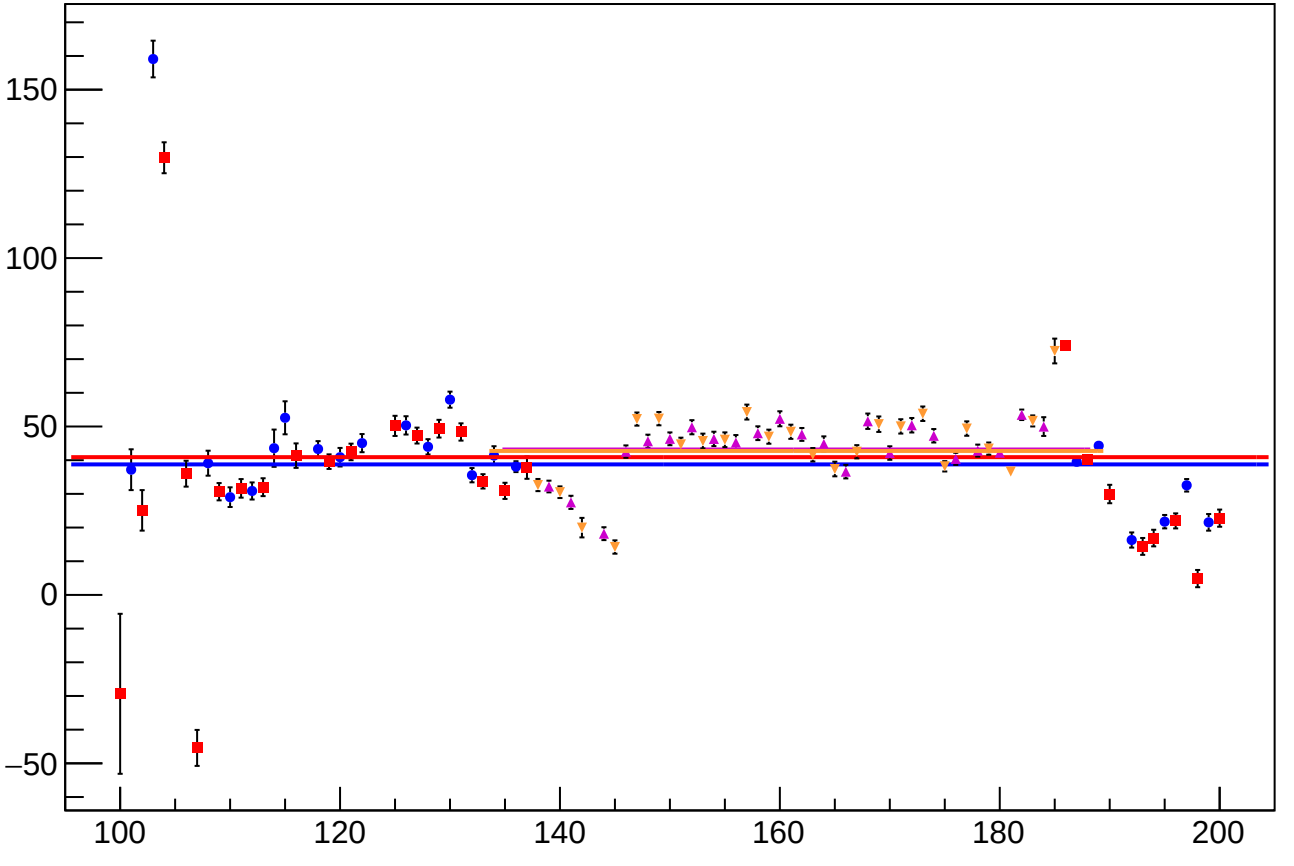
Right: -6.330+/-0.348 χ^2/NDF: 1036.2/47

In: -7.382+/-0.268 χ^2/NDF:697.6/44

Out: -6.719+/-0.259 χ^2/NDF:651.6/49

All: -7.039+/-0.186 χ^2/NDF: 1352.3/94

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 38.748+/-0.480 χ^2/NDF: 868.7/21

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

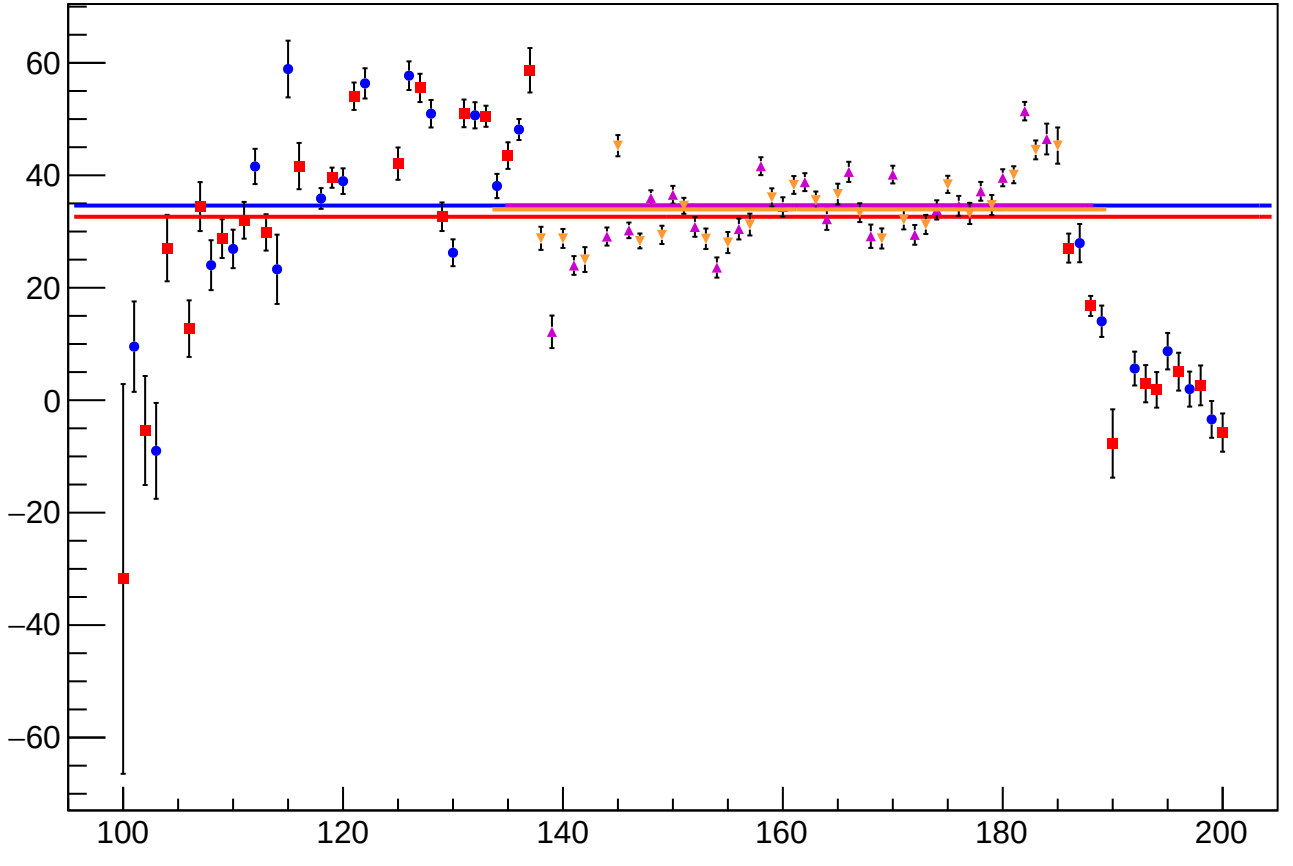
Right: 39.999+/-0.310 χ^2/NDF: 3047.8/47

In: 41.317+/-0.310 χ^2/NDF:1331.1/44

Out: 41.830+/-0.286 χ^2/NDF:2809.3/49

All: 41.594+/-0.210 χ^2/NDF: 4141.8/94

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.620+/-0.602 χ^2/NDF: 849.1/21

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

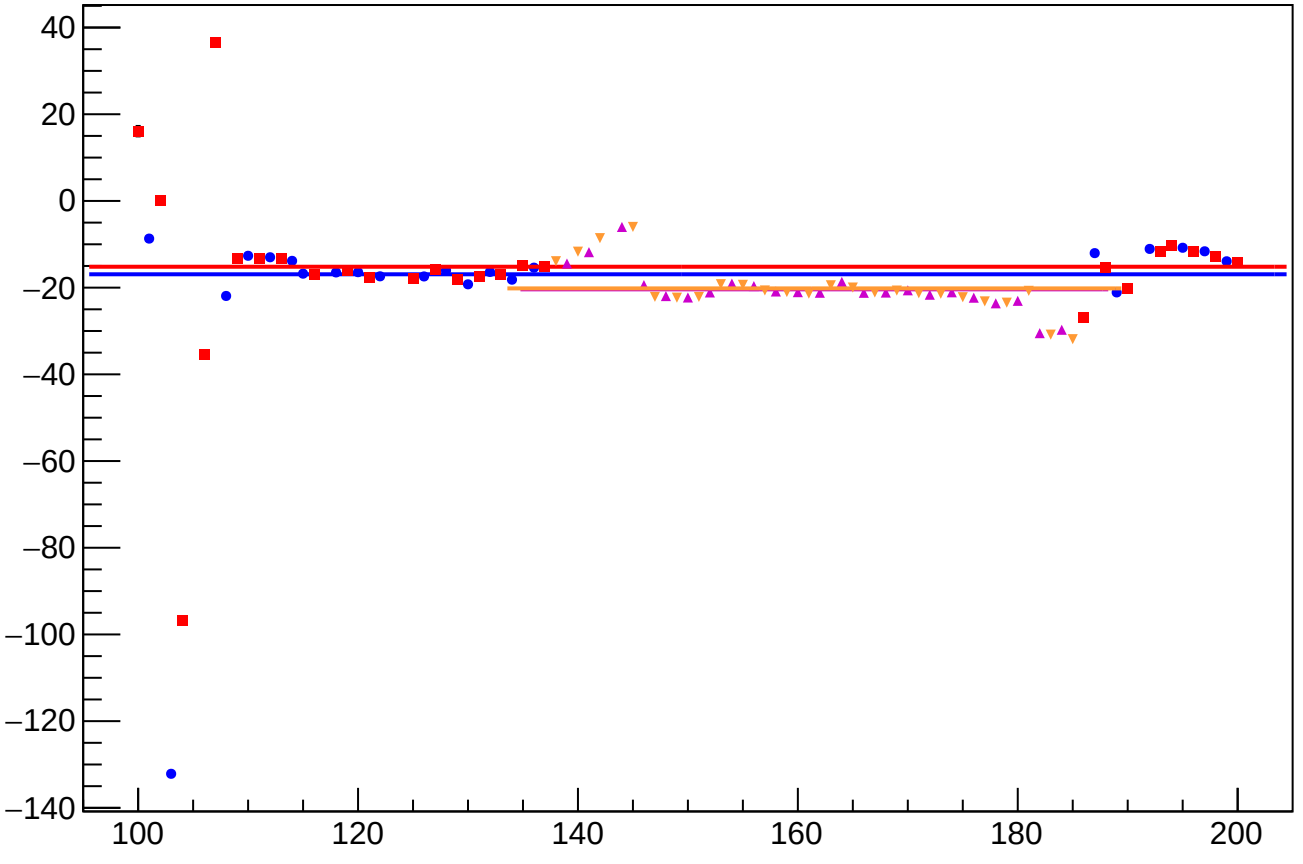
Right: 33.580+/-0.416 χ^2/NDF: 1864.4/47

In: 34.622+/-0.307 χ^2/NDF:1225.1/44

Out: 33.578+/-0.300 χ^2/NDF:1229.8/49

All: 34.088+/-0.214 χ^2/NDF: 2460.9/94

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.919+/-0.031 χ^2/NDF: 265356.1/21

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

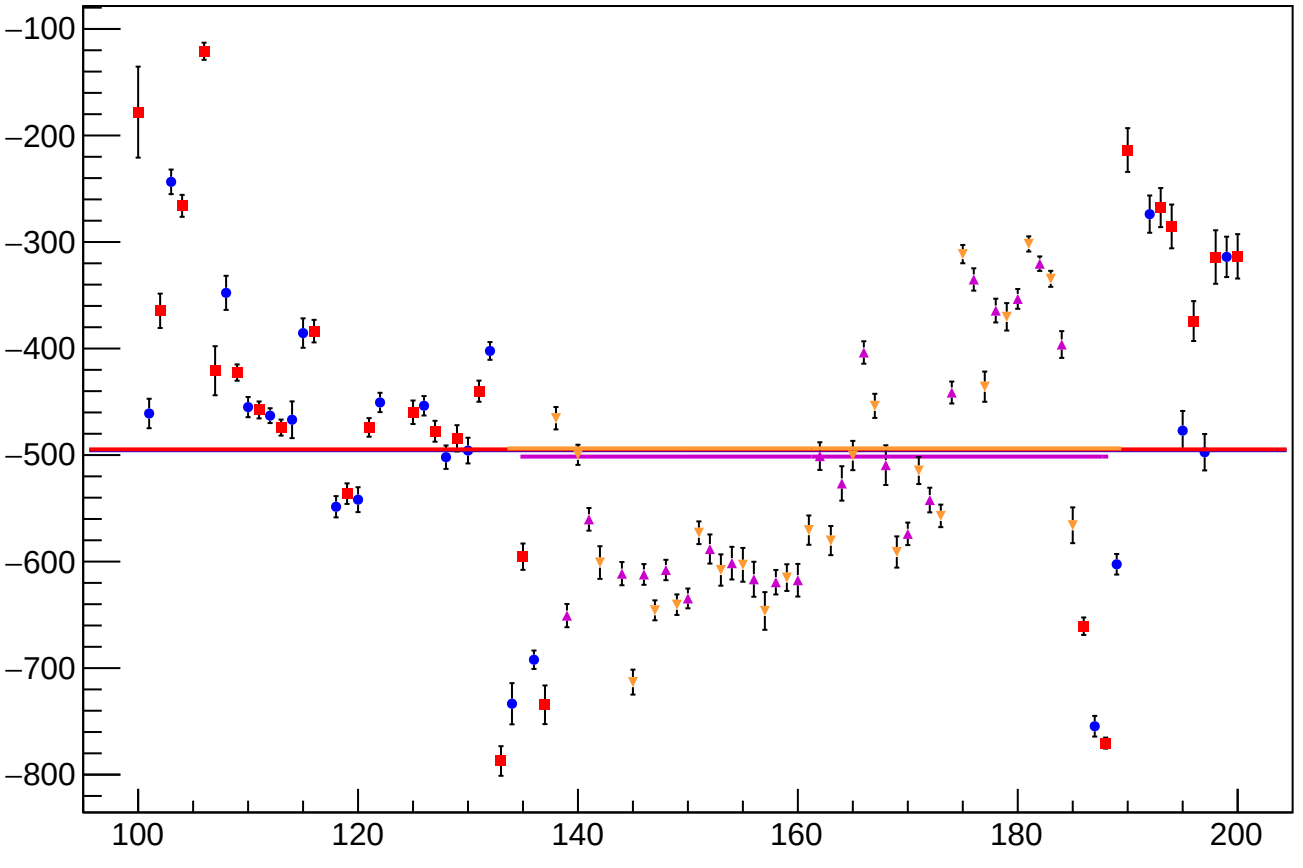
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -16.005+/-0.021 χ^2/NDF: 484322.8/47

In: -19.665+/-0.014 χ^2/NDF:356717.1/44

Out: -19.039+/-0.014 χ^2/NDF:340009.8/49

All: -19.348+/-0.010 χ^2/NDF: 697735.2/94



Right In: -495.436+/-2.370 χ^2/NDF: 2647.3/21

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -494.689+/-2.078 χ^2/NDF: 7632.4/25

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

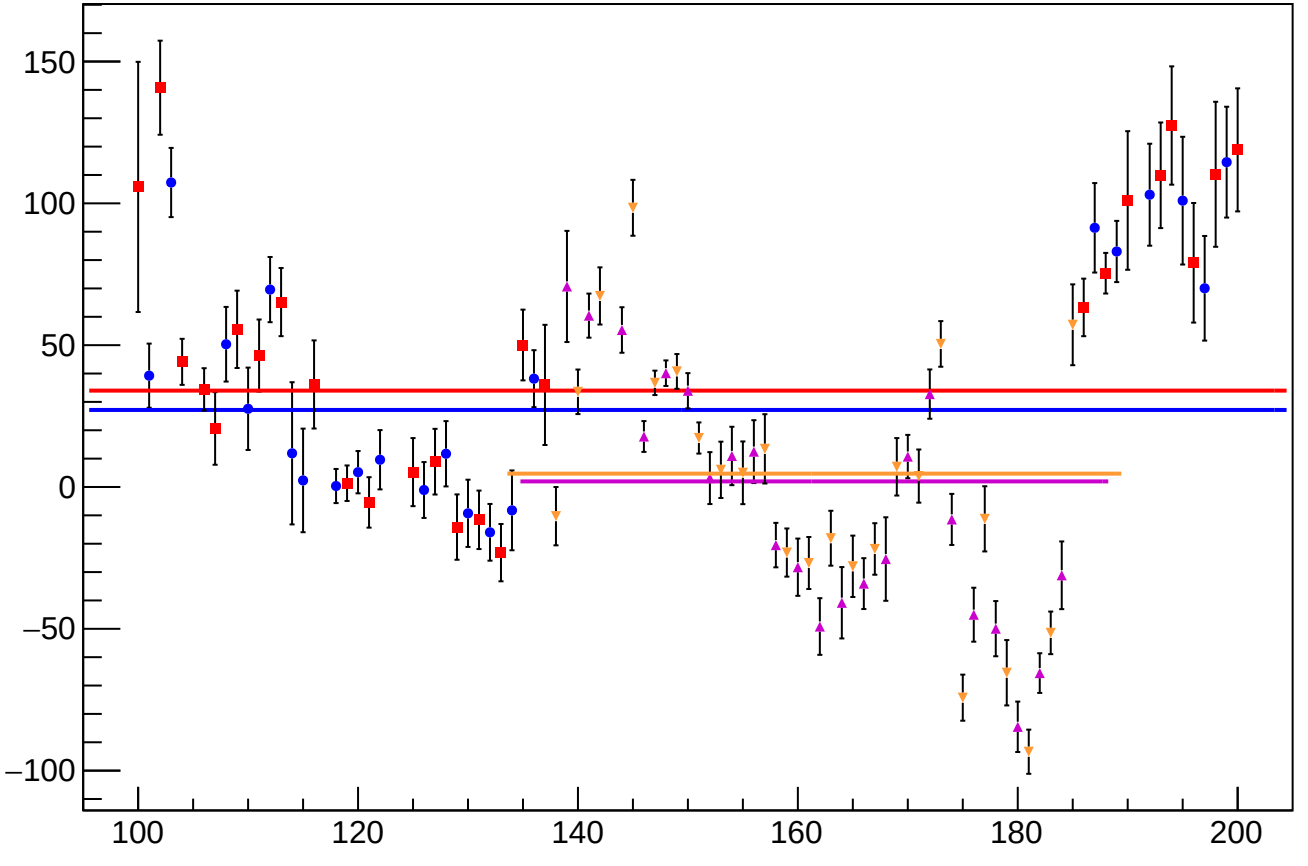
Right: -495.014+/-1.563 χ^2/NDF: 10279.8/47

In: -498.513+/-1.653 χ^2/NDF:5339.9/44

Out: -494.253+/-1.540 χ^2/NDF:10782.4/49

All: -496.233+/-1.127 χ^2/NDF: 16125.9/94

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.159+/-2.461 χ^2/NDF: 237.6/21

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

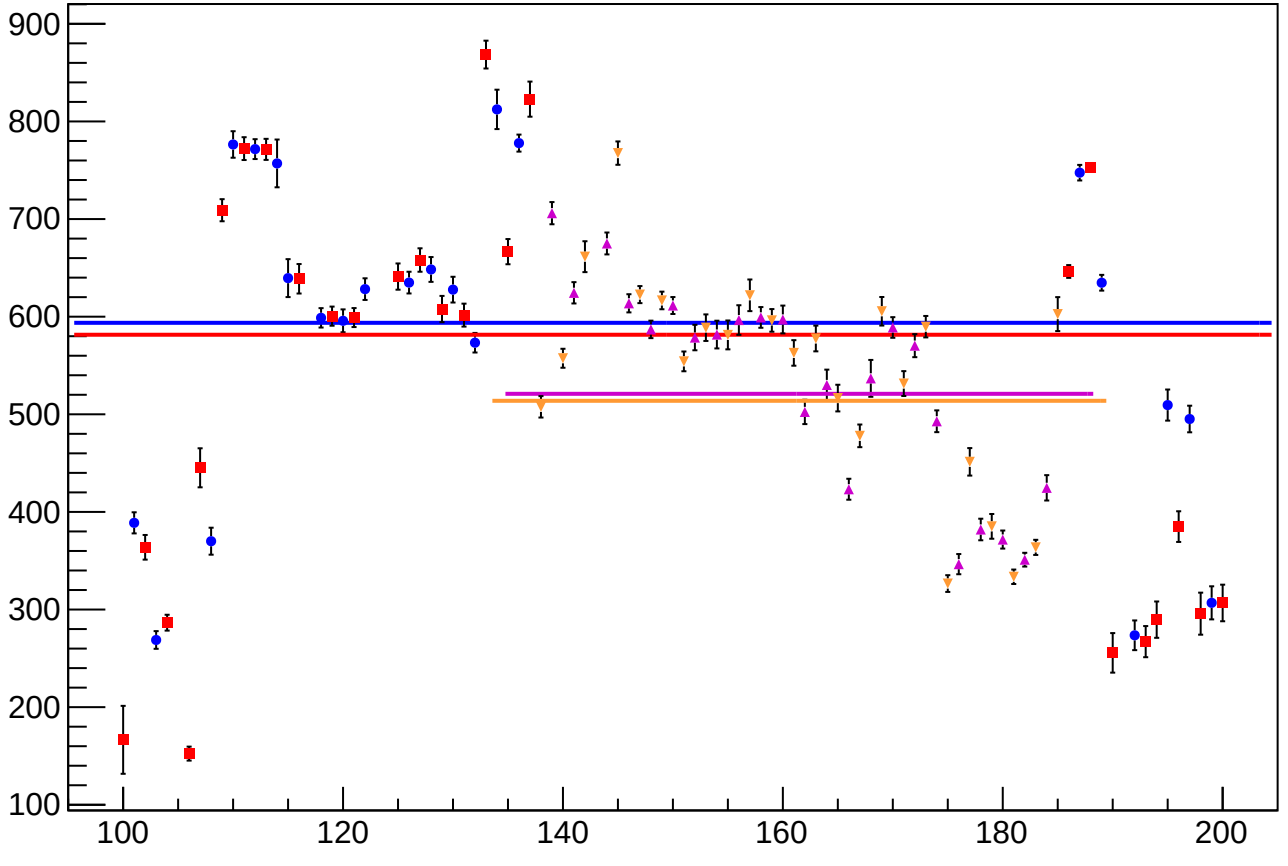
Right: 30.860+/-1.664 χ^2/NDF: 541.5/47

In: 10.251+/-1.411 χ^2/NDF:868.8/44

Out: 15.258+/-1.356 χ^2/NDF:1087.4/49

All: 12.853+/-0.978 χ^2/NDF: 1962.7/94

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 593.721+/-2.464 χ^2/NDF: 4267.5/21

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

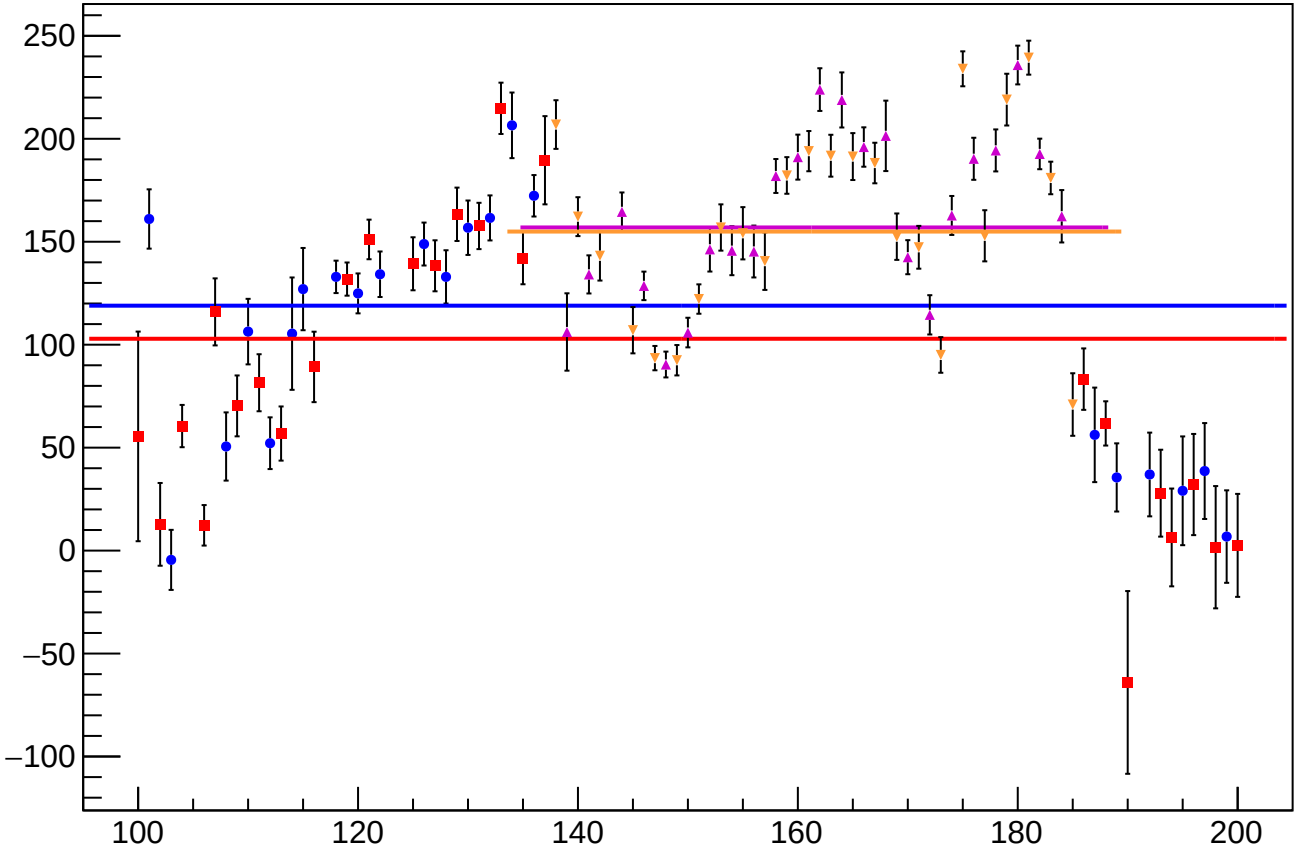
Right: 586.567+/-1.587 χ^2/NDF: 14334.1/47

In: 554.593+/-1.675 χ^2/NDF:7179.1/44

Out: 550.809+/-1.533 χ^2/NDF:13270.3/49

All: 552.535+/-1.131 χ^2/NDF: 20452.1/94

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.947+/-2.904 χ^2/NDF: 320.7/21

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

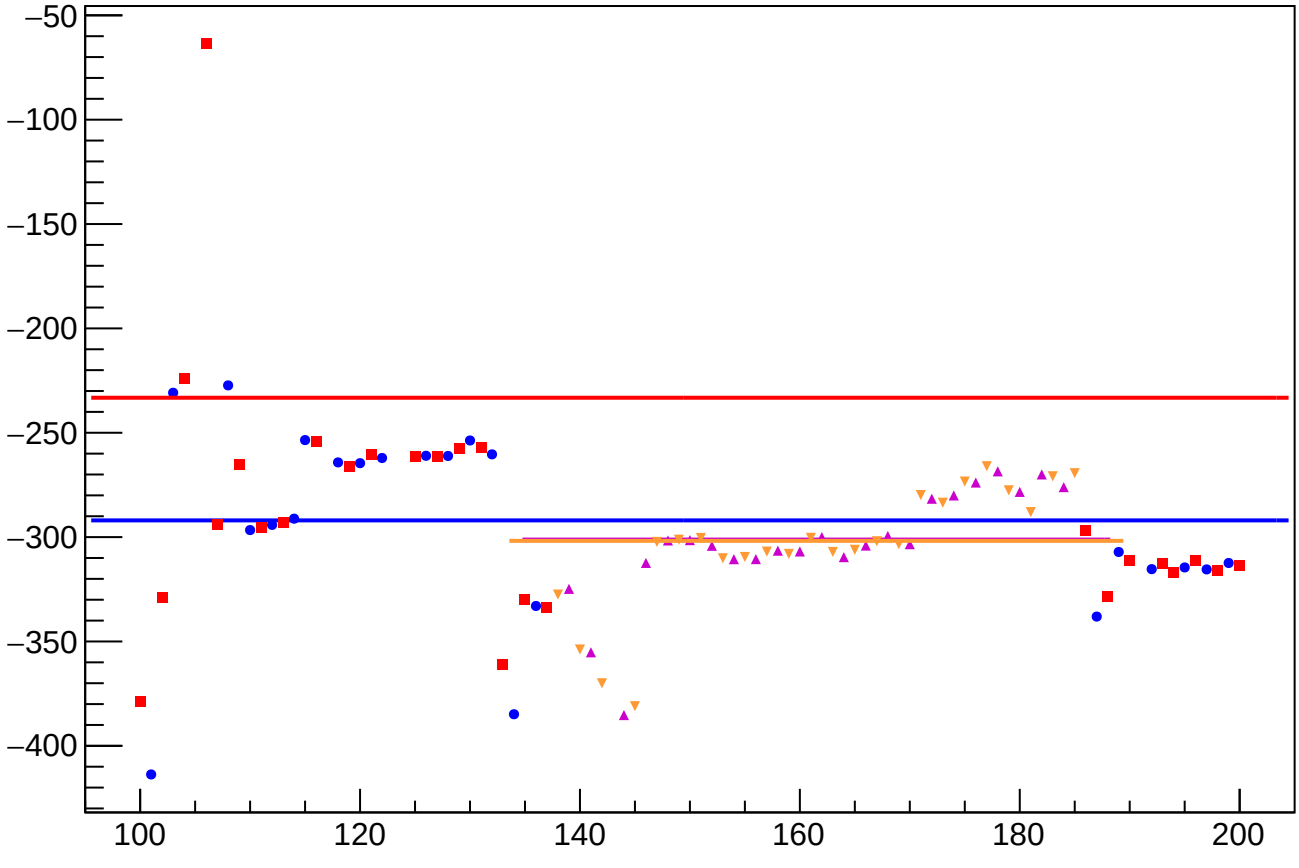
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 110.395+/-1.986 χ^2/NDF: 782.7/47

In: 144.952+/-1.631 χ^2/NDF:881.0/44

Out: 137.249+/-1.587 χ^2/NDF:1296.2/49

All: 140.995+/-1.137 χ^2/NDF: 2188.7/94



Right In: -291.987+/-0.155 χ^2/NDF: 111638.8/21

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

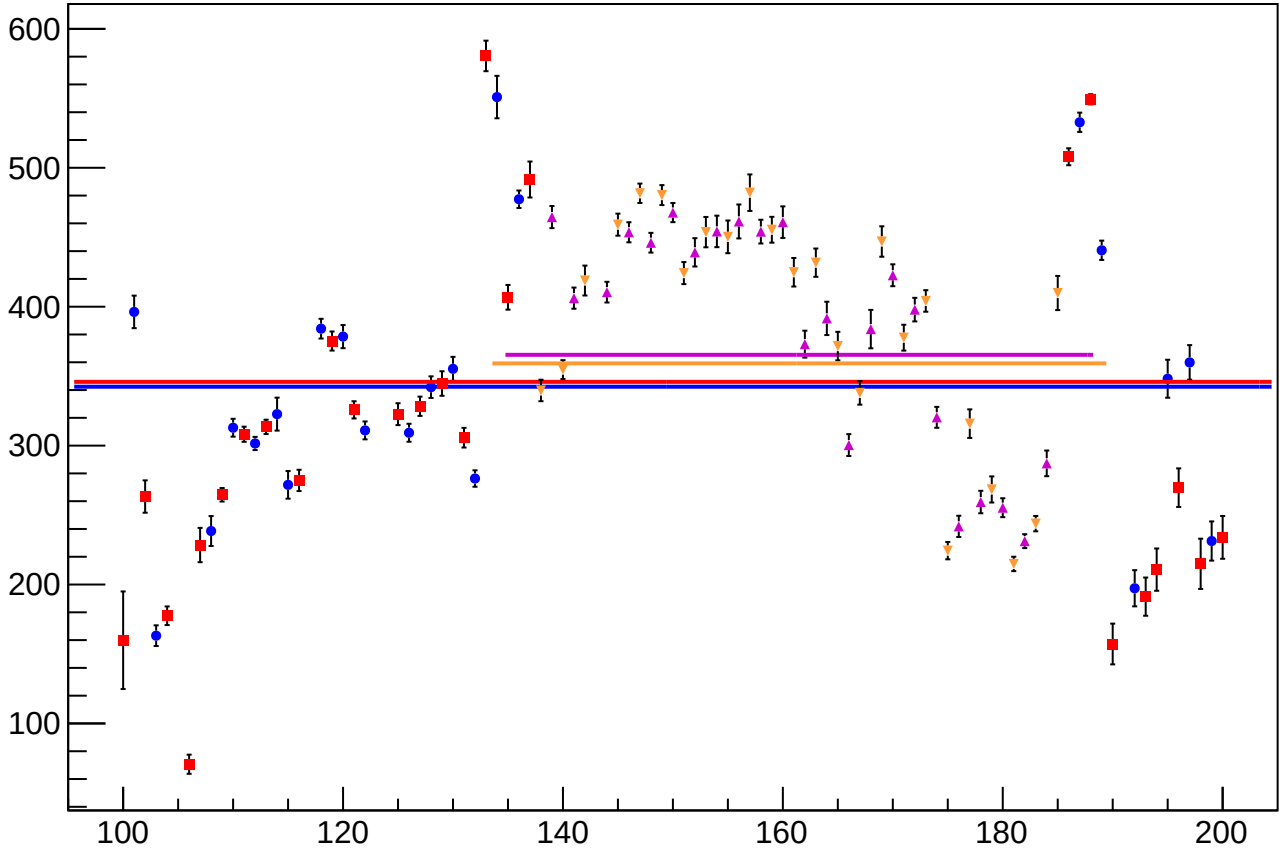
Right: -257.621+/-0.100 χ^2/NDF: 857388.7/47

In: -298.848+/-0.078 χ^2/NDF:189603.8/44

Out: -279.357+/-0.074 χ^2/NDF:934461.8/49

All: -288.679+/-0.054 χ^2/NDF: 1156822.1/94

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 342.403+/-1.680 χ^2/NDF: 2861.0/21

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

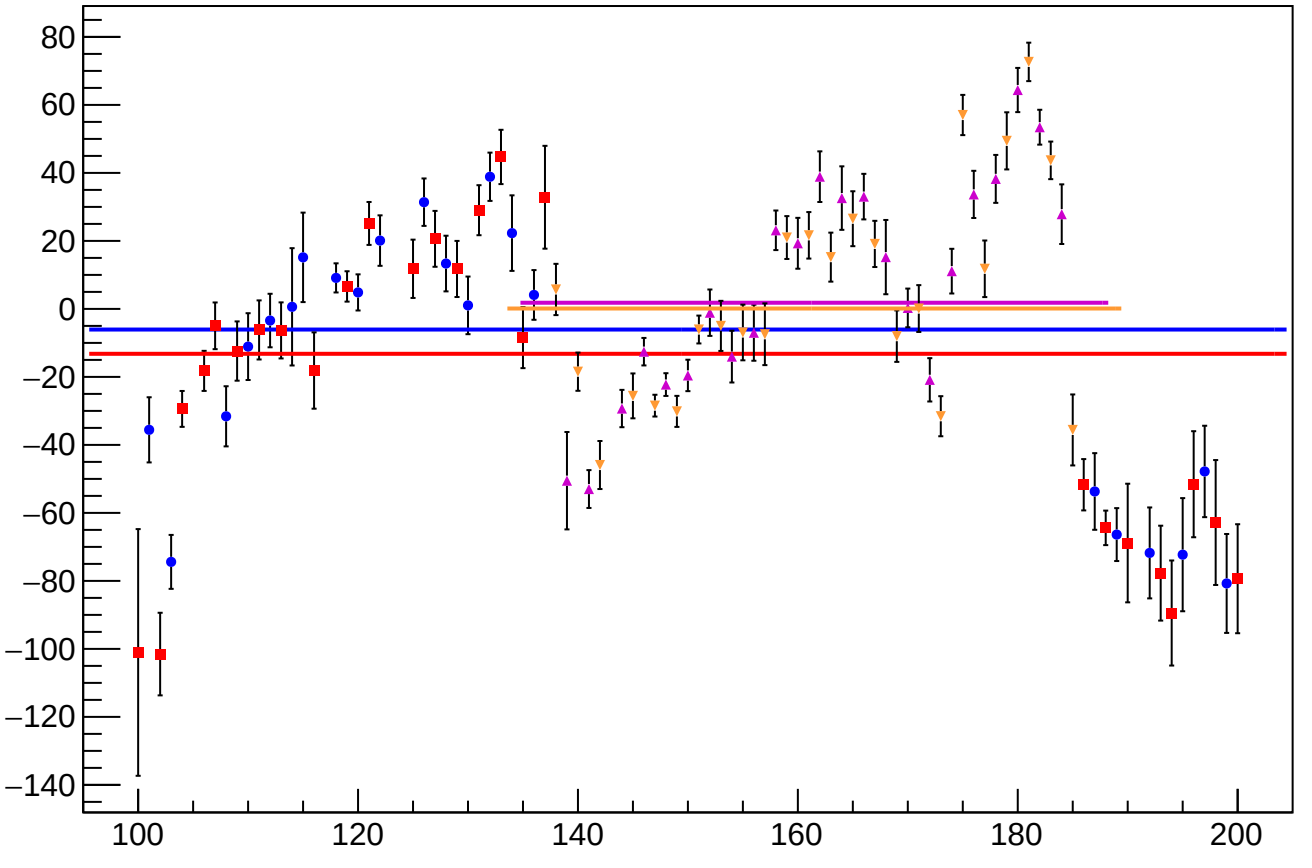
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 344.386+/-1.107 χ^2/NDF: 10734.4/47

In: 353.799+/-1.192 χ^2/NDF:5693.1/44

Out: 351.675+/-1.108 χ^2/NDF:11094.1/49

All: 352.659+/-0.812 χ^2/NDF: 16789.0/94



Right In: -6.070+/-1.759 χ^2/NDF: 361.9/21

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

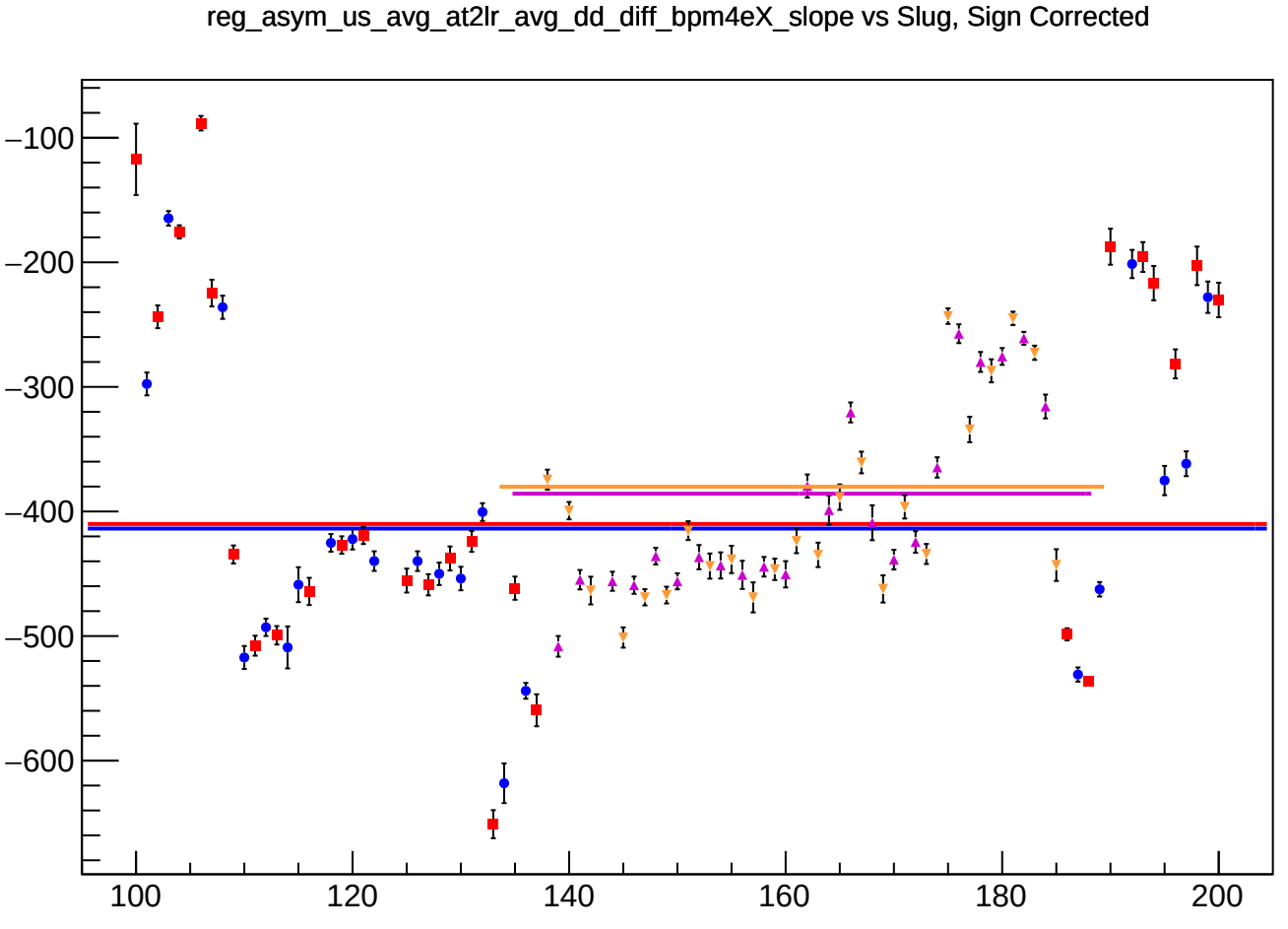
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -9.980+/-1.183 χ^2/NDF: 843.2/47

In: -0.880+/-1.028 χ^2/NDF:952.2/44

Out: -4.927+/-0.983 χ^2/NDF:1153.3/49

All: -2.994+/-0.710 χ^2/NDF: 2113.6/94



Right In: -413.718+/-1.755 χ^2/NDF: 4389.8/21

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

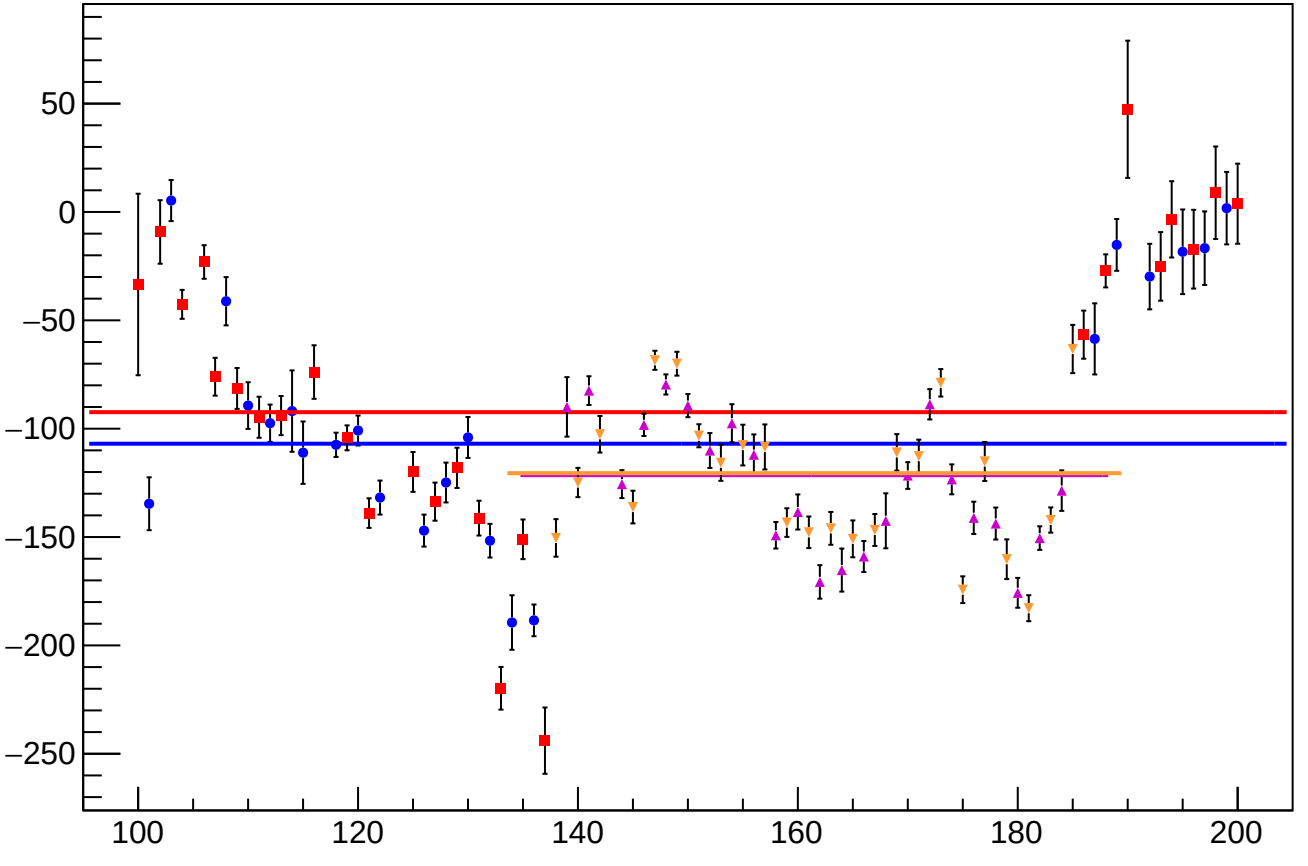
Right: -411.568+/-1.131 χ^2/NDF: 14583.8/47

In: -399.082+/-1.213 χ^2/NDF:6884.0/44

Out: -396.903+/-1.107 χ^2/NDF:12989.8/49

All: -397.893+/-0.817 χ^2/NDF: 19875.5/94

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.936+/-2.074 χ^2/NDF: 613.7/21

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

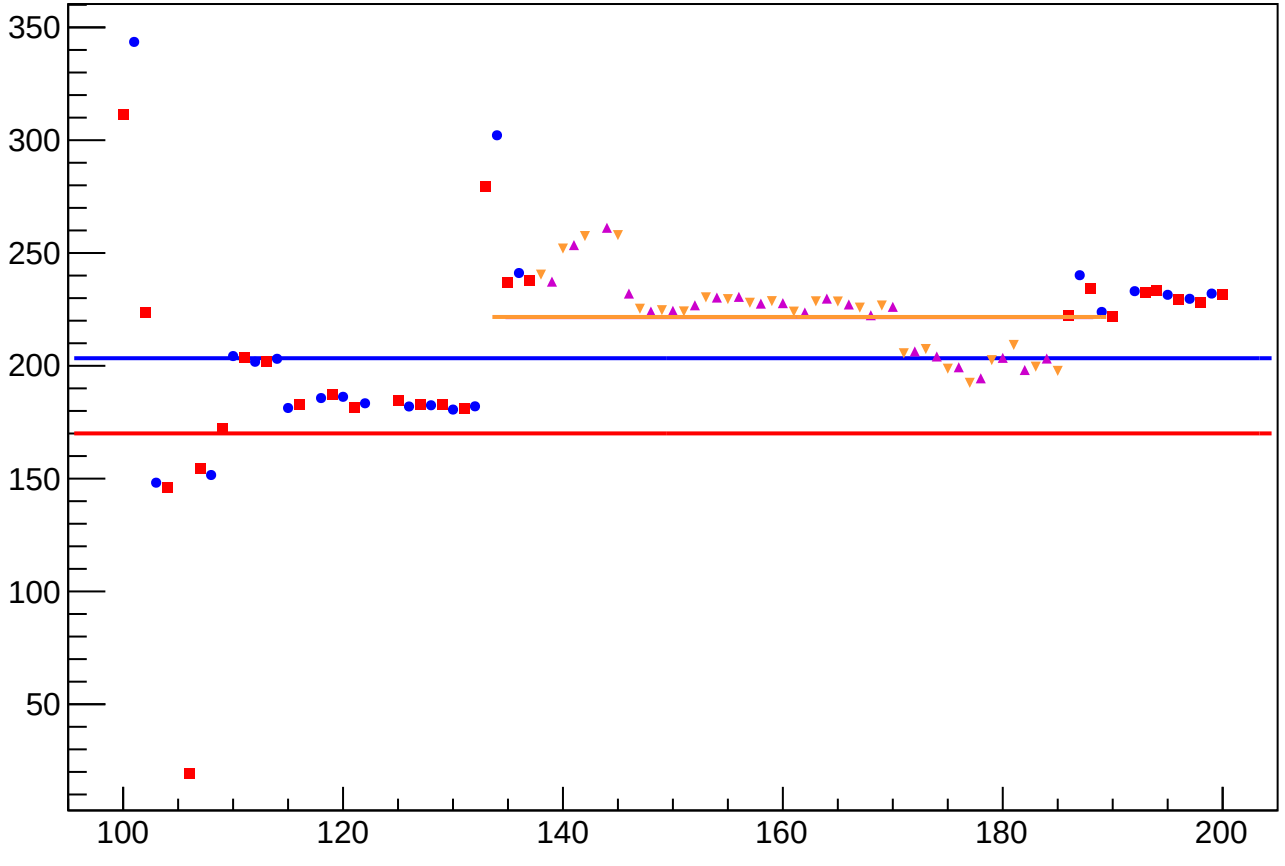
Right: -99.104+/-1.410 χ^2/NDF: 1463.8/47

In: -116.689+/-1.188 χ^2/NDF:1079.3/44

Out: -110.462+/-1.150 χ^2/NDF:1572.9/49

All: -113.474+/-0.826 χ^2/NDF: 2666.4/94

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 203.368+/-0.110 χ^2/NDF: 195647.4/21

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

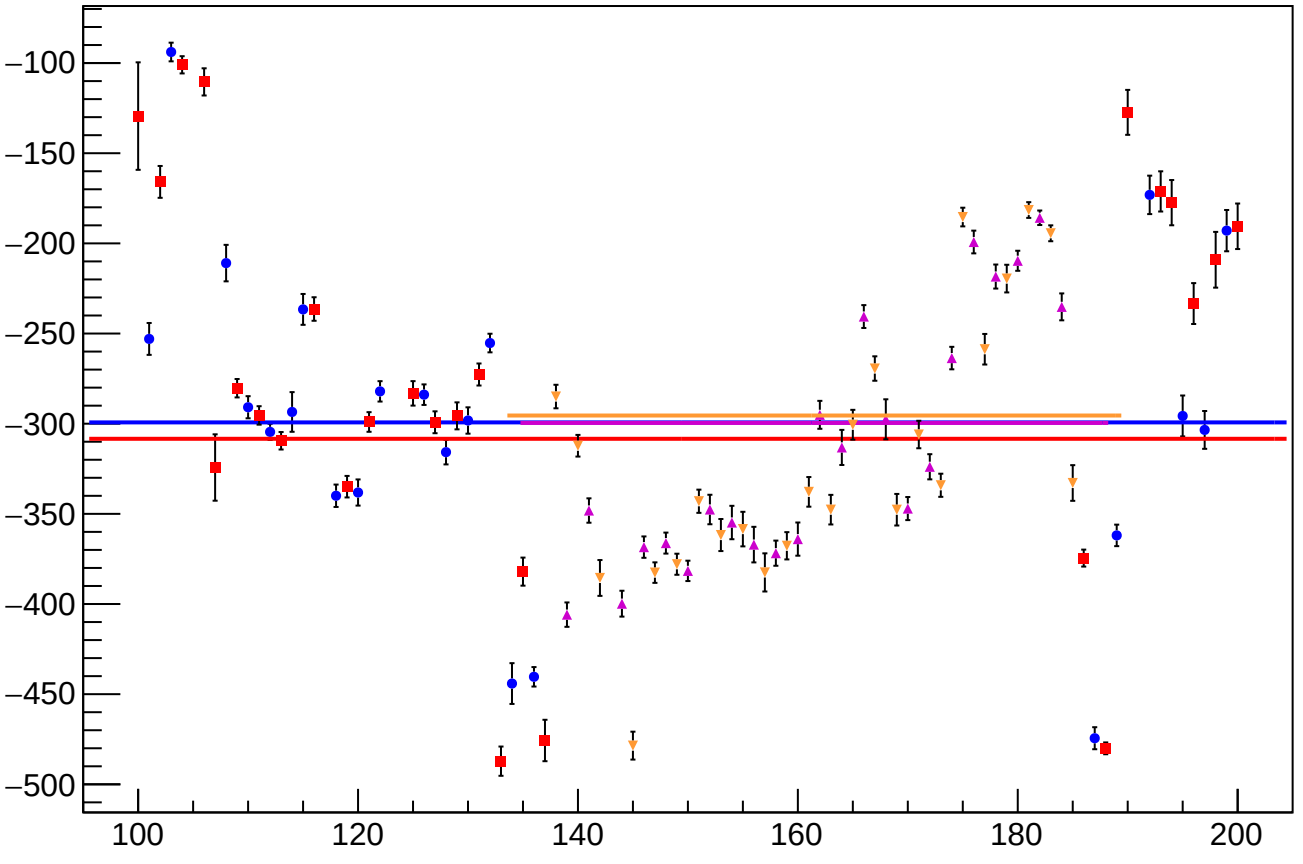
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 184.520+/-0.072 χ^2/NDF: 873722.4/47

In: 216.713+/-0.057 χ^2/NDF:277954.9/44

Out: 204.894+/-0.055 χ^2/NDF:887636.8/49

All: 210.603+/-0.039 χ^2/NDF: 1188064.1/94



Right In: -299.281+/-1.453 χ^2/NDF: 3909.9/21

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

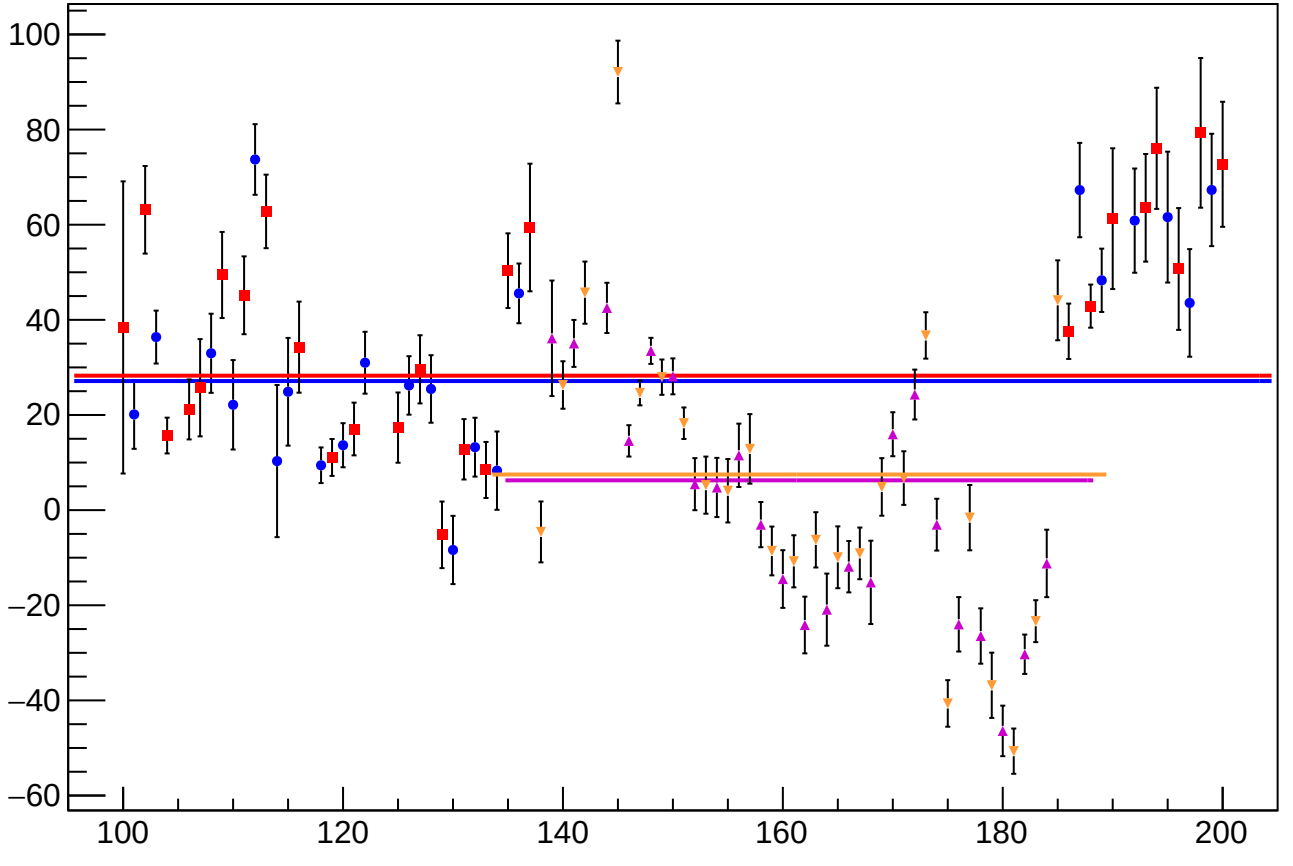
Right: -304.336+/-0.968 χ^2/NDF: 11405.3/47

In: -299.441+/-1.007 χ^2/NDF:6881.7/44

Out: -302.368+/-0.950 χ^2/NDF:10865.9/49

All: -300.990+/-0.691 χ^2/NDF: 17752.0/94

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.132+/-1.504 χ^2/NDF: 175.6/21

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

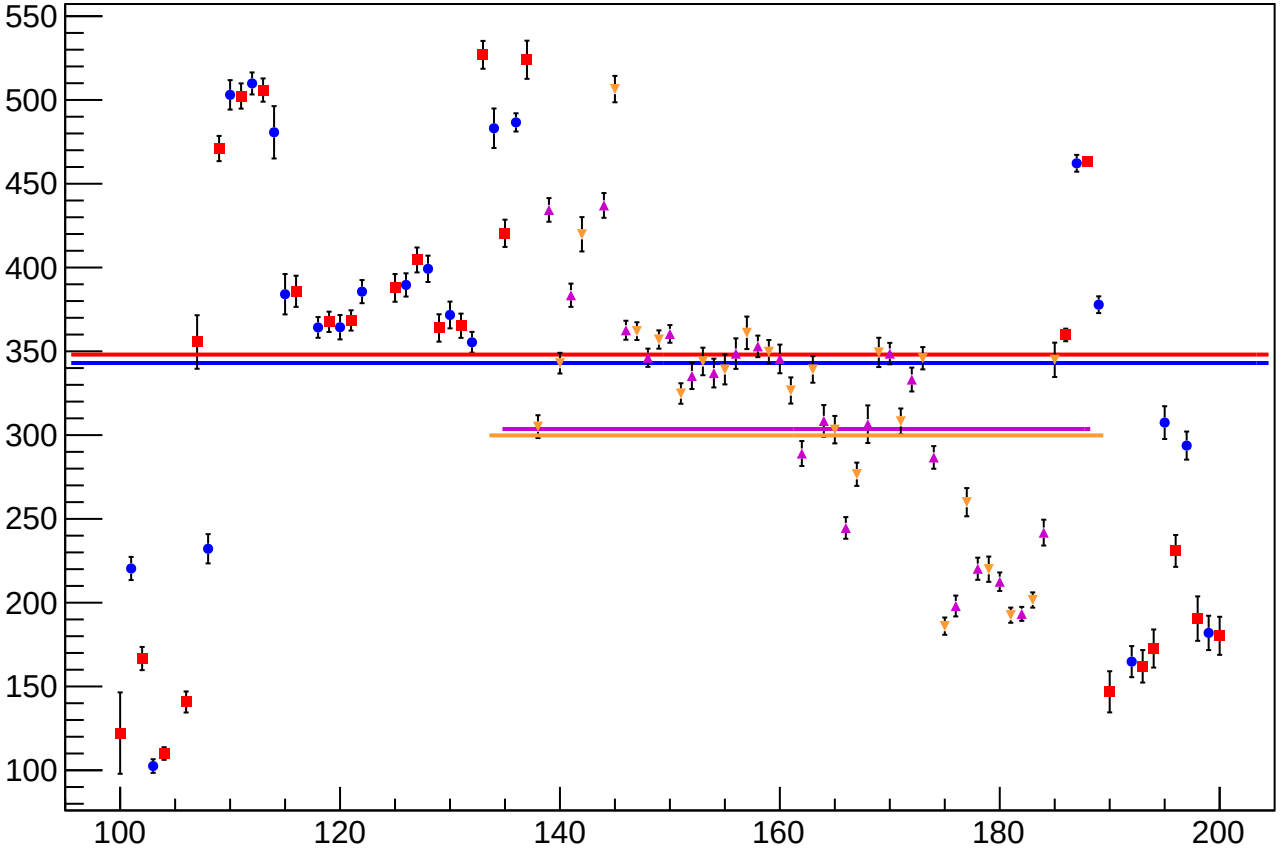
Right: 27.745+/-1.020 χ^2/NDF: 379.1/47

In: 13.054+/-0.858 χ^2/NDF:864.9/44

Out: 14.857+/-0.827 χ^2/NDF:1086.2/49

All: 13.989+/-0.596 χ^2/NDF: 1953.4/94

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 343.032+/-1.486 χ^2/NDF: 7326.6/21

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

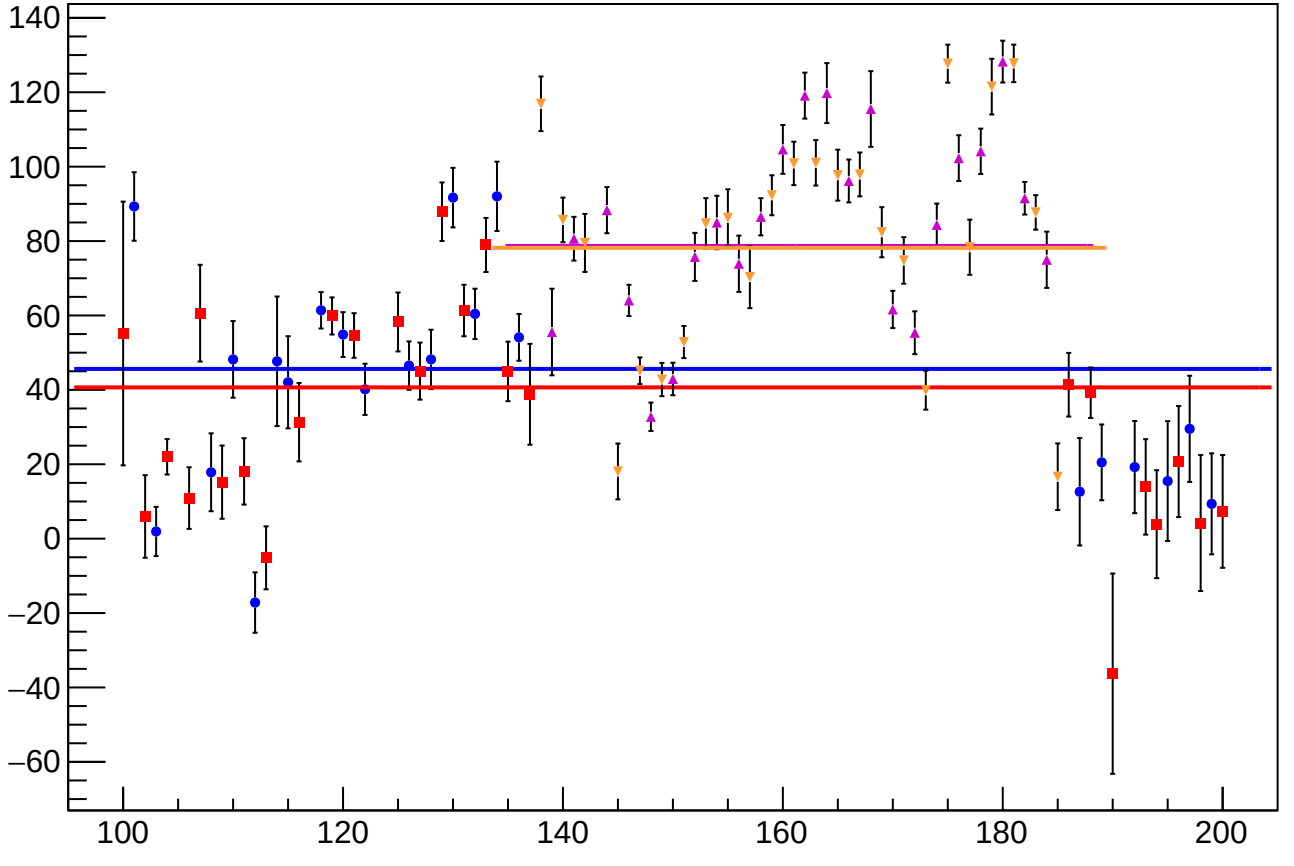
Right: 345.924+/-0.969 χ^2/NDF: 18608.9/47

In: 321.920+/-1.012 χ^2/NDF:10575.6/44

Out: 325.821+/-0.938 χ^2/NDF:15009.2/49

All: 324.020+/-0.688 χ^2/NDF: 25592.8/94

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.636+/-1.775 χ^2/NDF: 239.0/21

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

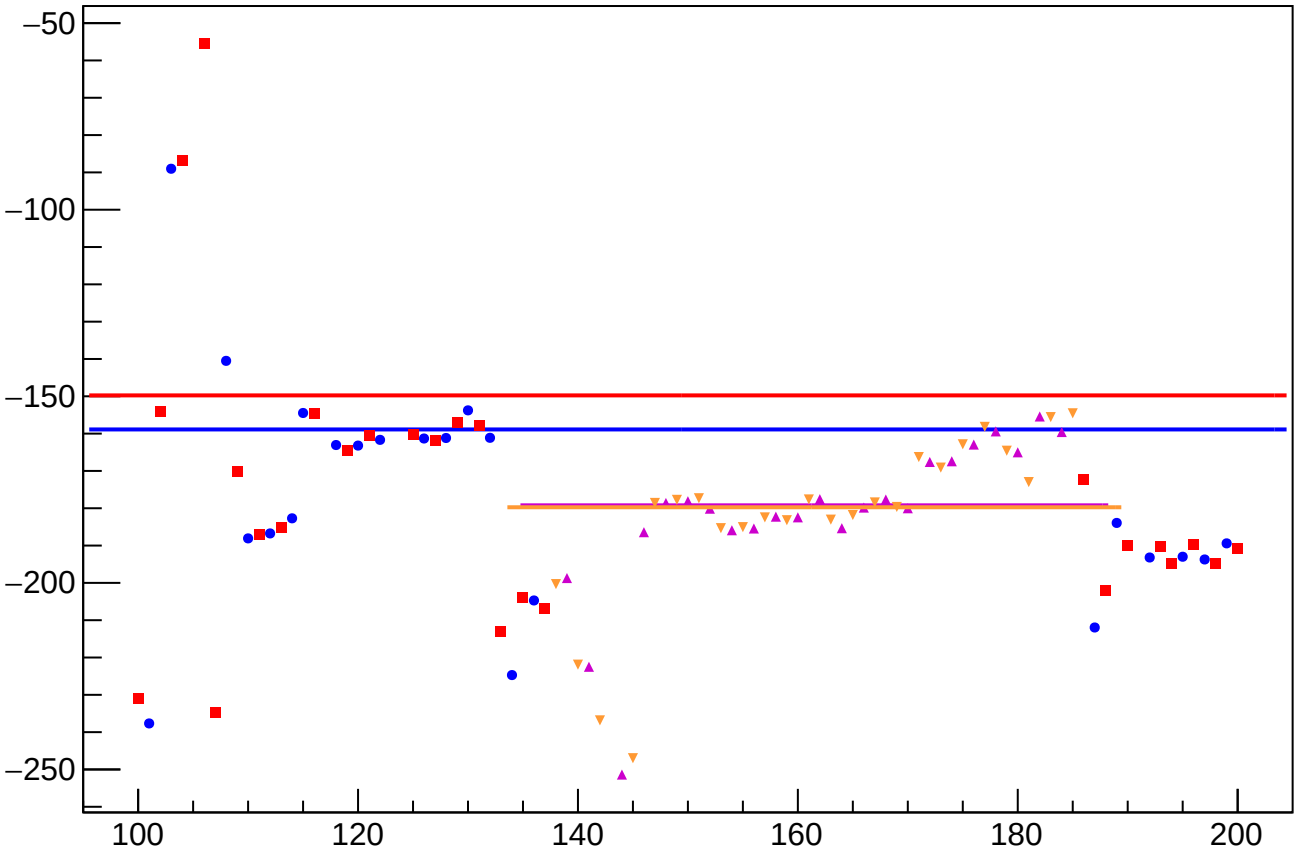
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 43.008+/-1.218 χ^2/NDF: 455.0/47

In: 68.383+/-0.991 χ^2/NDF:966.2/44

Out: 65.667+/-0.967 χ^2/NDF:1209.7/49

All: 66.991+/-0.692 χ^2/NDF: 2179.7/94



Right In: -158.883+/-0.089 χ^2/NDF: 295524.7/21

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

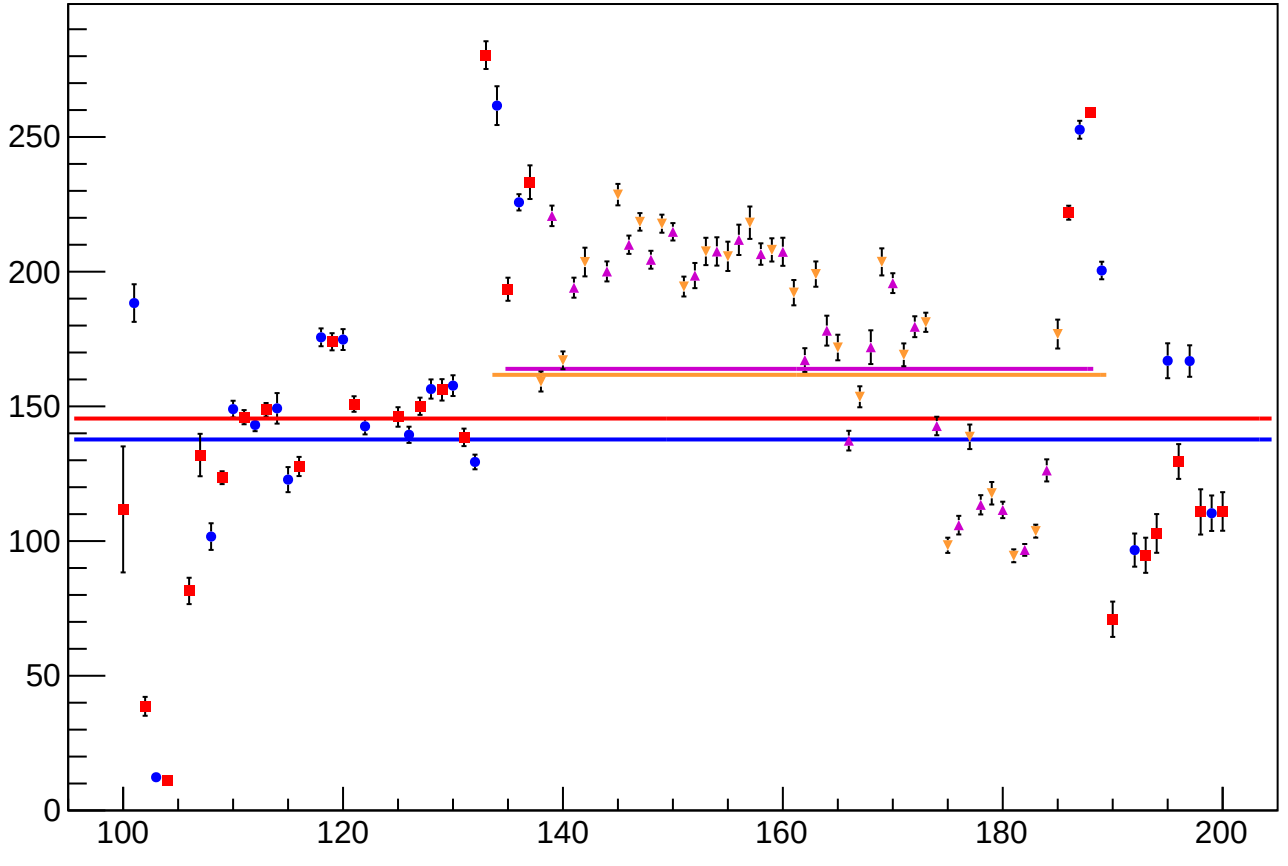
Right: -154.019+/-0.061 χ^2/NDF: 708351.5/47

In: -173.685+/-0.047 χ^2/NDF:446917.9/44

Out: -170.661+/-0.046 χ^2/NDF:629414.7/49

All: -172.154+/-0.033 χ^2/NDF: 1078473.3/94

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.714+/-0.744 χ^2/NDF: 8008.2/21

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

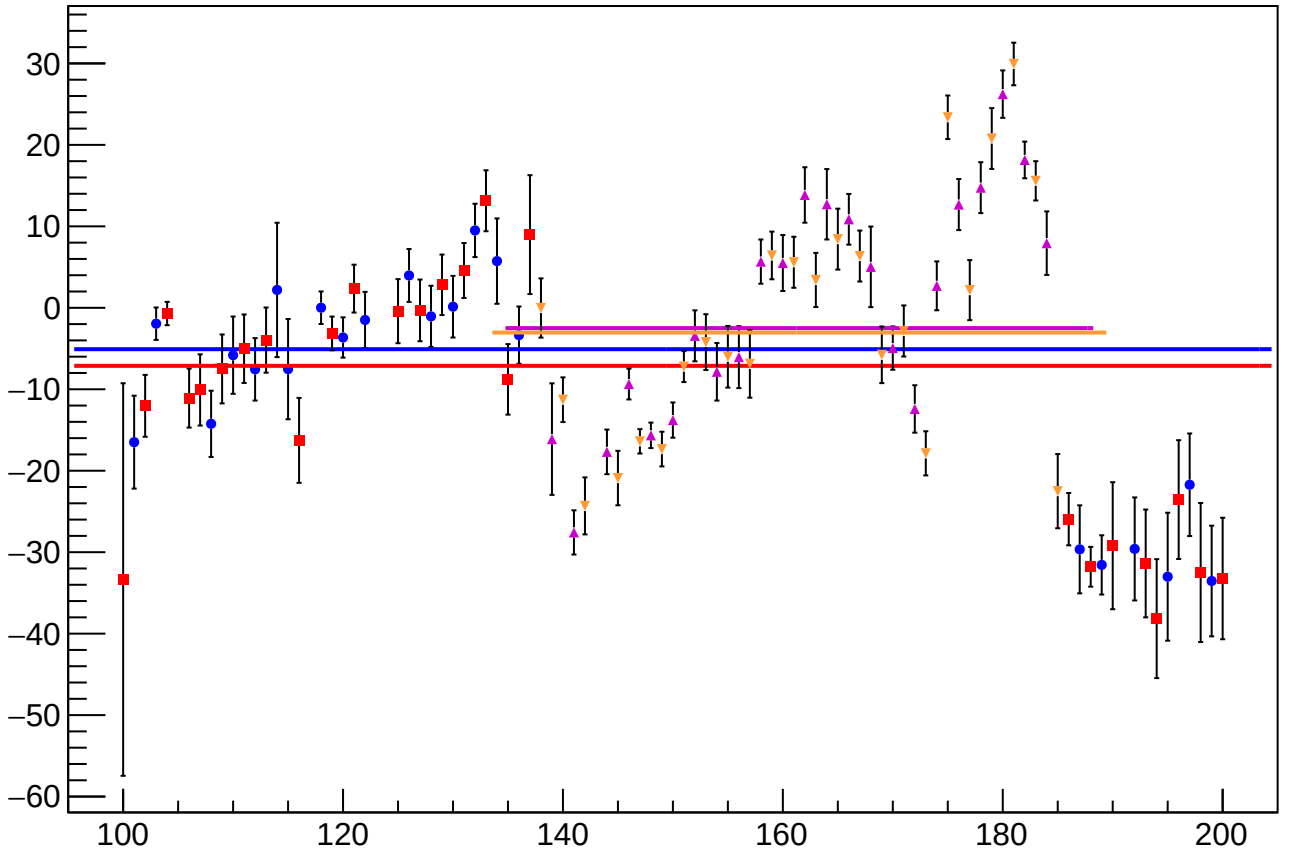
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 142.034+/-0.496 χ^2/NDF: 21121.9/47

In: 150.208+/-0.538 χ^2/NDF:11935.9/44

Out: 152.350+/-0.505 χ^2/NDF:16892.4/49

All: 151.347+/-0.368 χ^2/NDF: 28836.7/94



Right In: -5.081+/-0.781 χ^2/NDF: 182.0/21

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

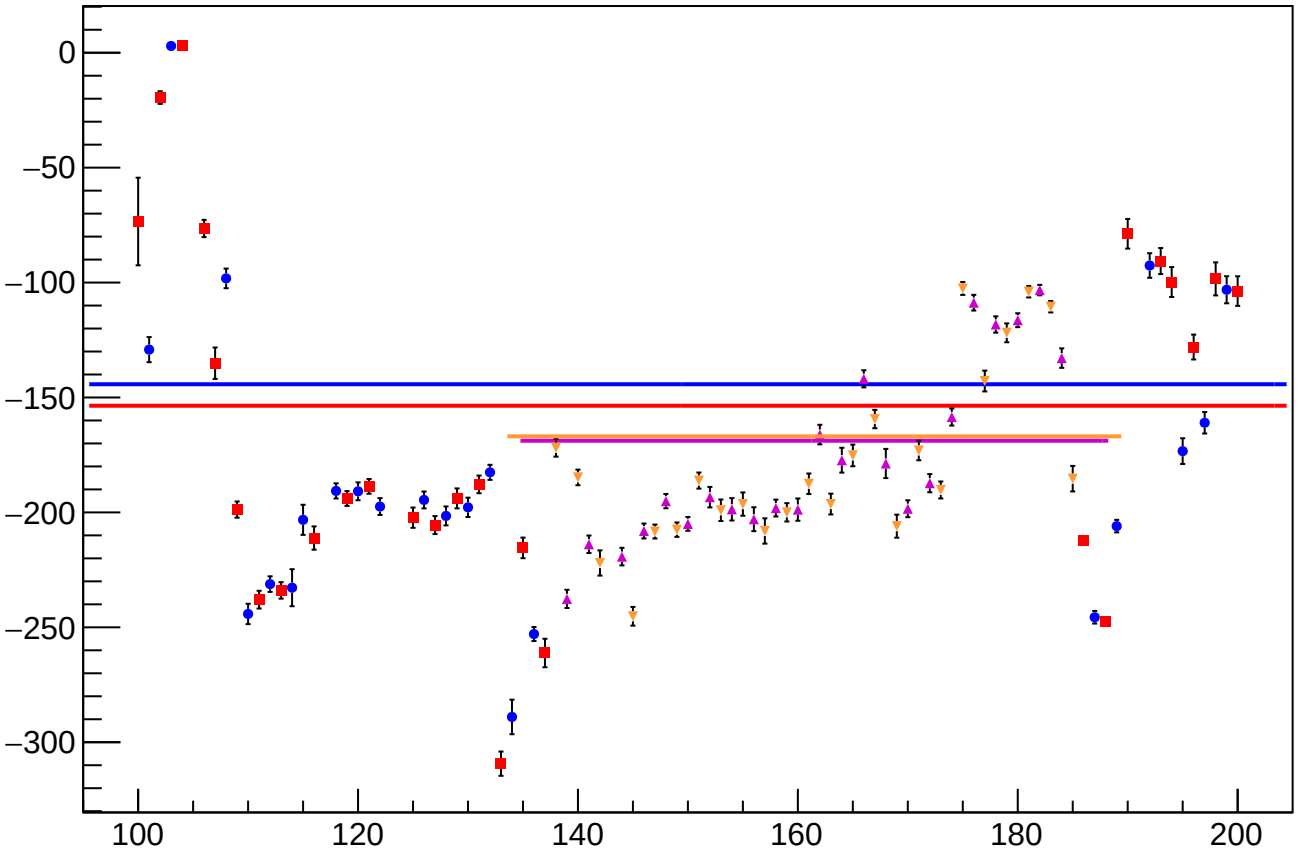
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -6.217+/-0.520 χ^2/NDF: 490.2/47

In: -3.427+/-0.469 χ^2/NDF:751.9/44

Out: -4.703+/-0.445 χ^2/NDF:979.3/49

All: -4.099+/-0.323 χ^2/NDF: 1735.1/94



Right In: -144.240+/-0.744 χ^2/NDF: 17062.0/21

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

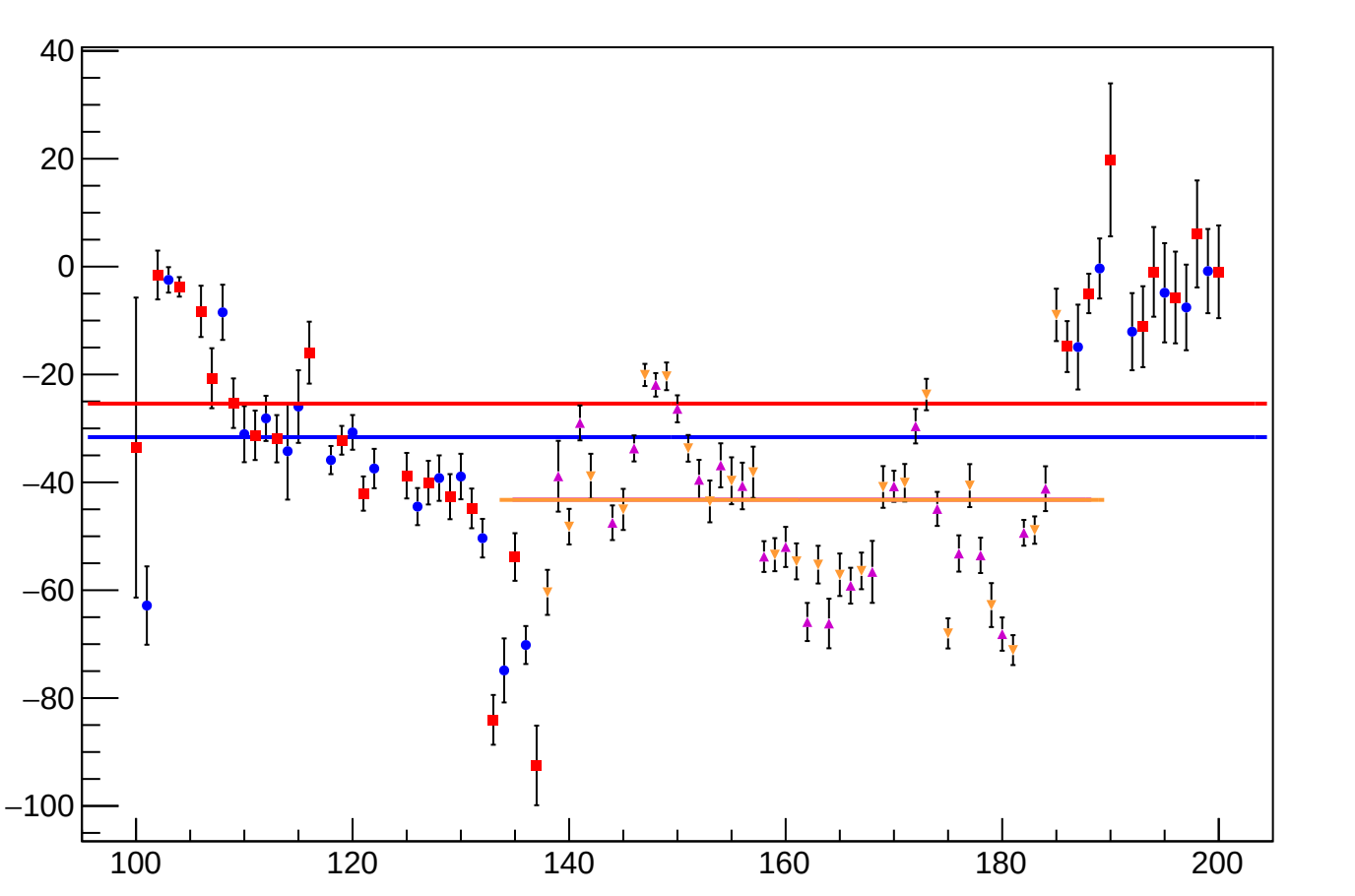
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

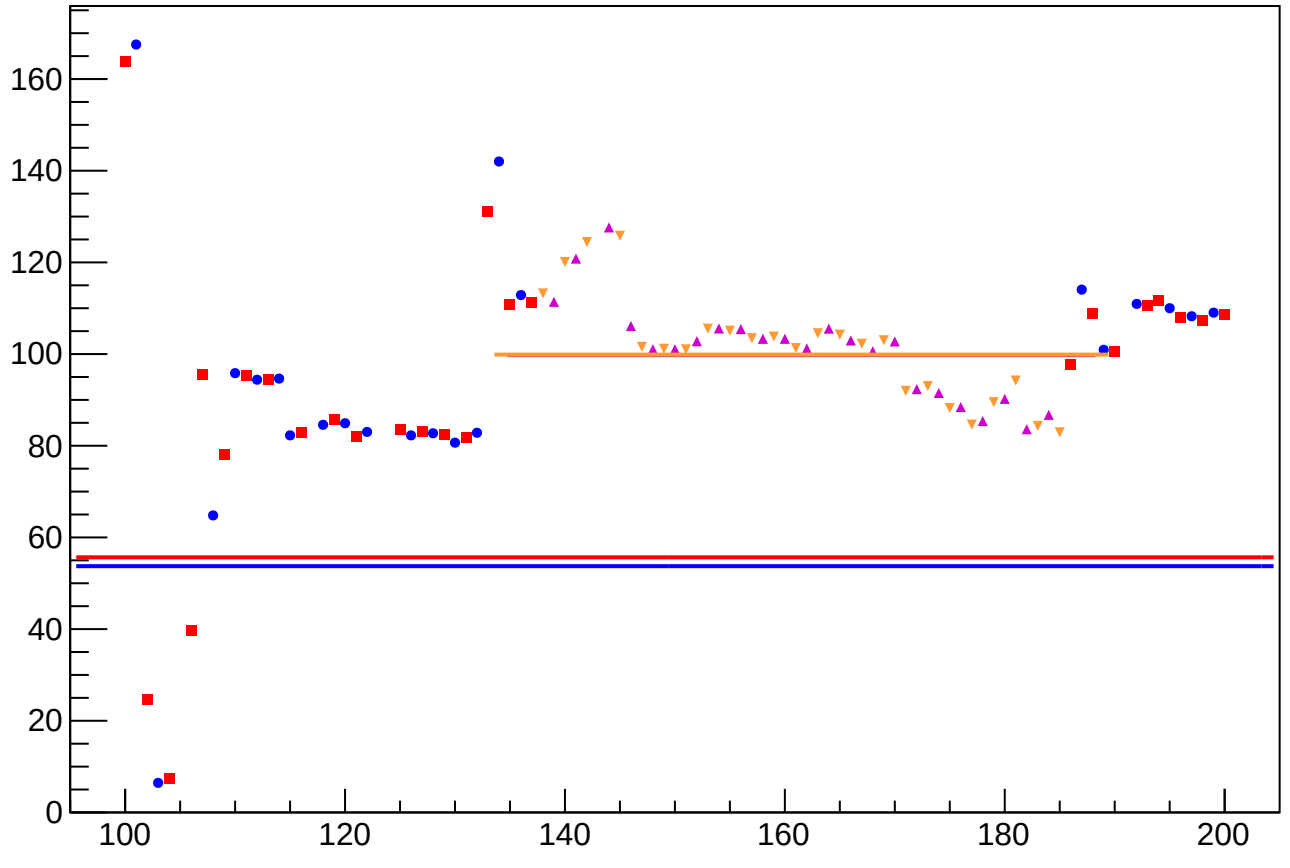
Right: -149.573+/-0.488 χ^2/NDF: 40798.0/47

In: -156.067+/-0.536 χ^2/NDF:20646.3/44

Out: -159.073+/-0.495 χ^2/NDF:26918.1/49

All: -157.690+/-0.364 χ^2/NDF: 47581.4/94


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -31.618+/-0.921 χ²/NDF: 495.7/21
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -25.400+/-0.842 χ²/NDF: 661.7/25
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -28.232+/-0.621 χ²/NDF: 1182.3/47
In: -39.195+/-0.542 χ²/NDF:1005.1/44
Out: -36.407+/-0.521 χ²/NDF:1548.9/49
All: -37.747+/-0.376 χ²/NDF: 2567.8/94



Right In: 53.727+/-0.041 χ^2/NDF: 1386117.3/21

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 55.662+/-0.040 χ^2/NDF: 1211804.5/25

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

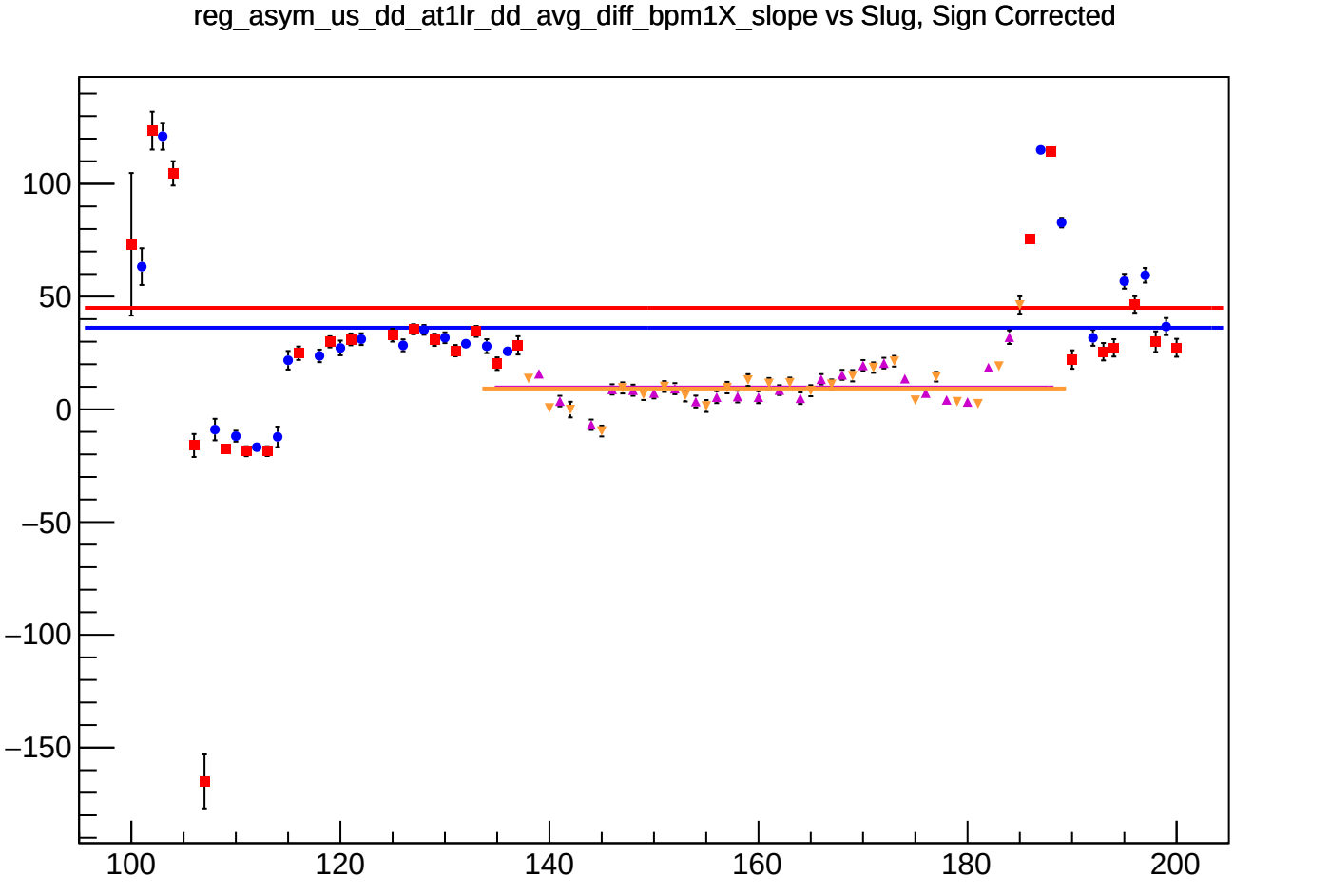
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 54.720+/-0.029 χ^2/NDF: 2599036.8/47

In: 83.583+/-0.025 χ^2/NDF:2298016.9/44

Out: 83.665+/-0.024 χ^2/NDF:2092887.0/49

All: 83.624+/-0.017 χ^2/NDF: 4390909.5/94



Right In: 36.166+/-0.584 χ^2/NDF: 3740.3/21

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

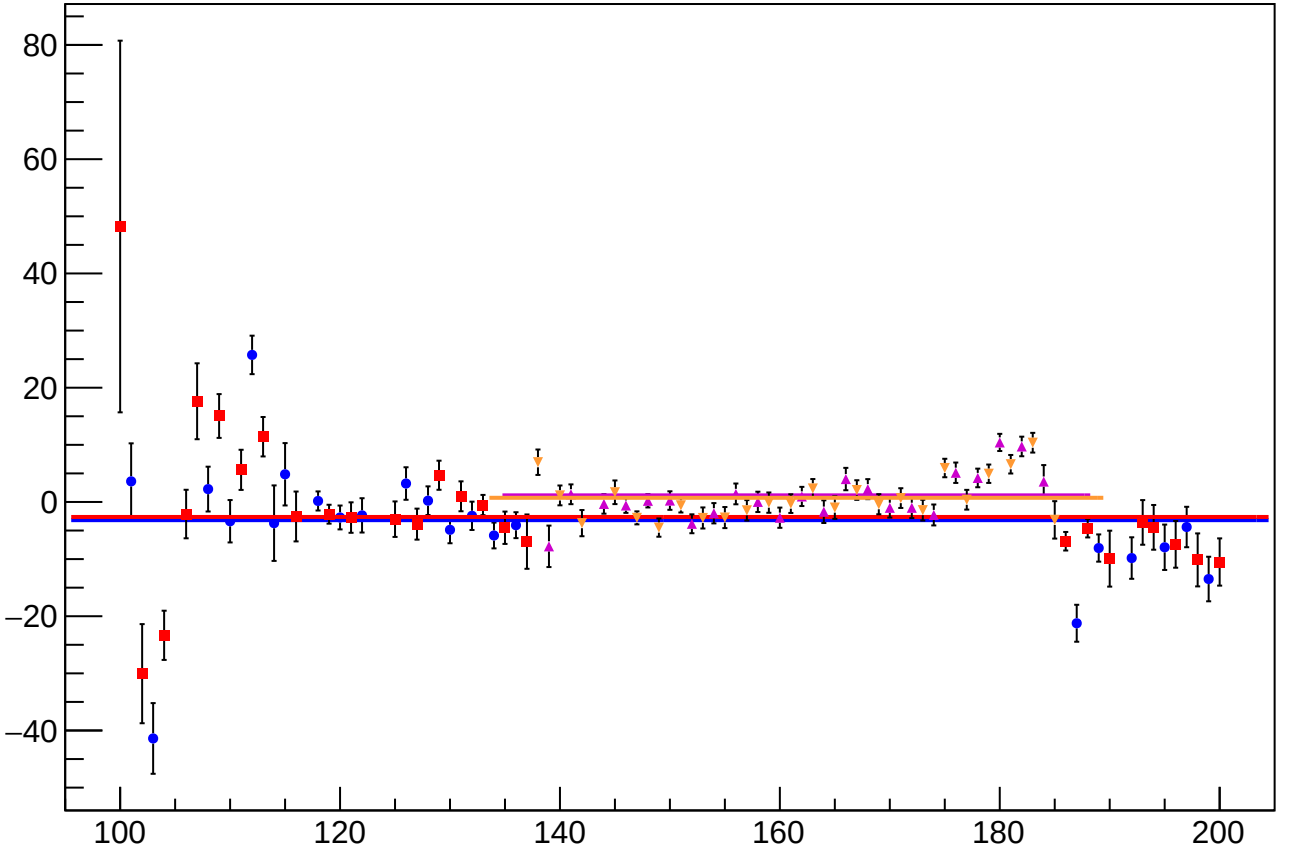
Right: 41.175+/-0.384 χ^2/NDF: 11679.8/47

In: 19.873+/-0.363 χ^2/NDF:5250.5/44

Out: 25.121+/-0.340 χ^2/NDF:10866.0/49

All: 22.664+/-0.248 χ^2/NDF: 16228.0/94

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.184+/-0.620 χ^2/NDF: 177.5/21

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

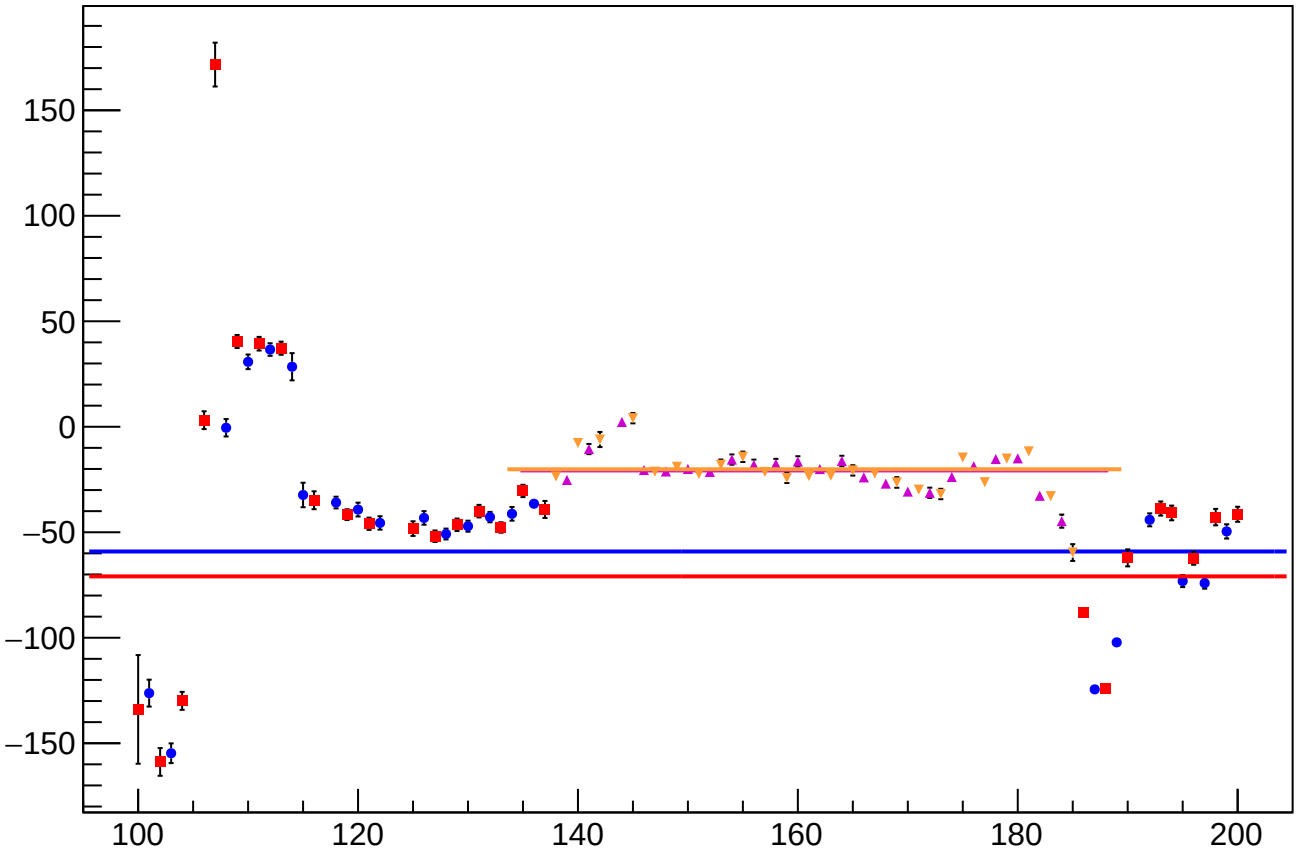
Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

Right: -2.882+/-0.420 χ^2/NDF: 297.7/47

In: 0.073+/-0.310 χ^2/NDF:324.7/44

Out: -0.184+/-0.298 χ^2/NDF:254.6/49

All: -0.060+/-0.215 χ^2/NDF: 579.7/94



Right In: -59.112+/-0.601 χ^2/NDF: 5309.9/21

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

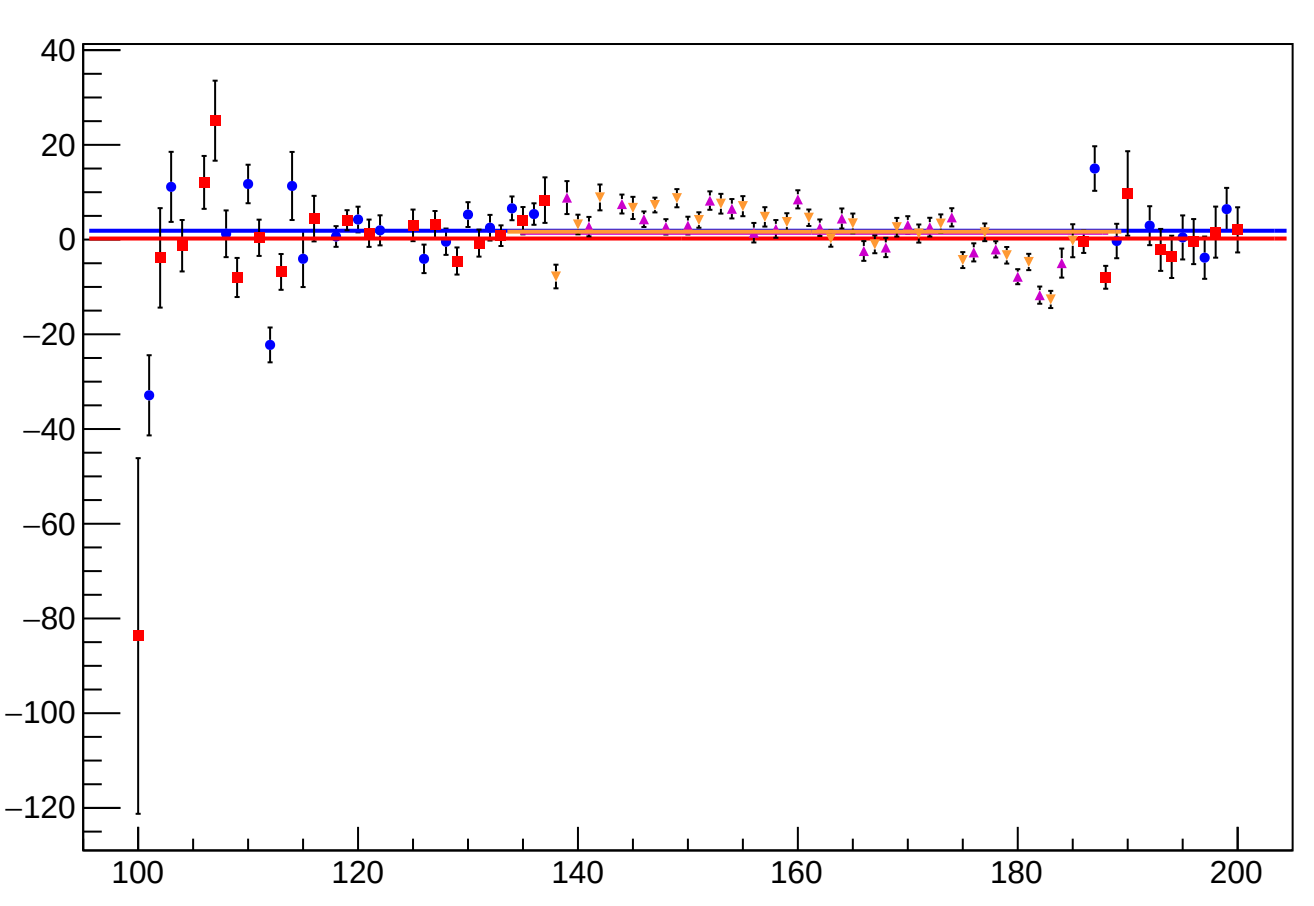
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -66.142+/-0.382 χ^2/NDF: 15116.7/47

In: -34.801+/-0.364 χ^2/NDF:8211.1/44

Out: -43.264+/-0.334 χ^2/NDF:15729.1/49

All: -39.396+/-0.246 χ^2/NDF: 24233.8/94



Right In: 1.864+/-0.725 χ^2/NDF: 94.3/21

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

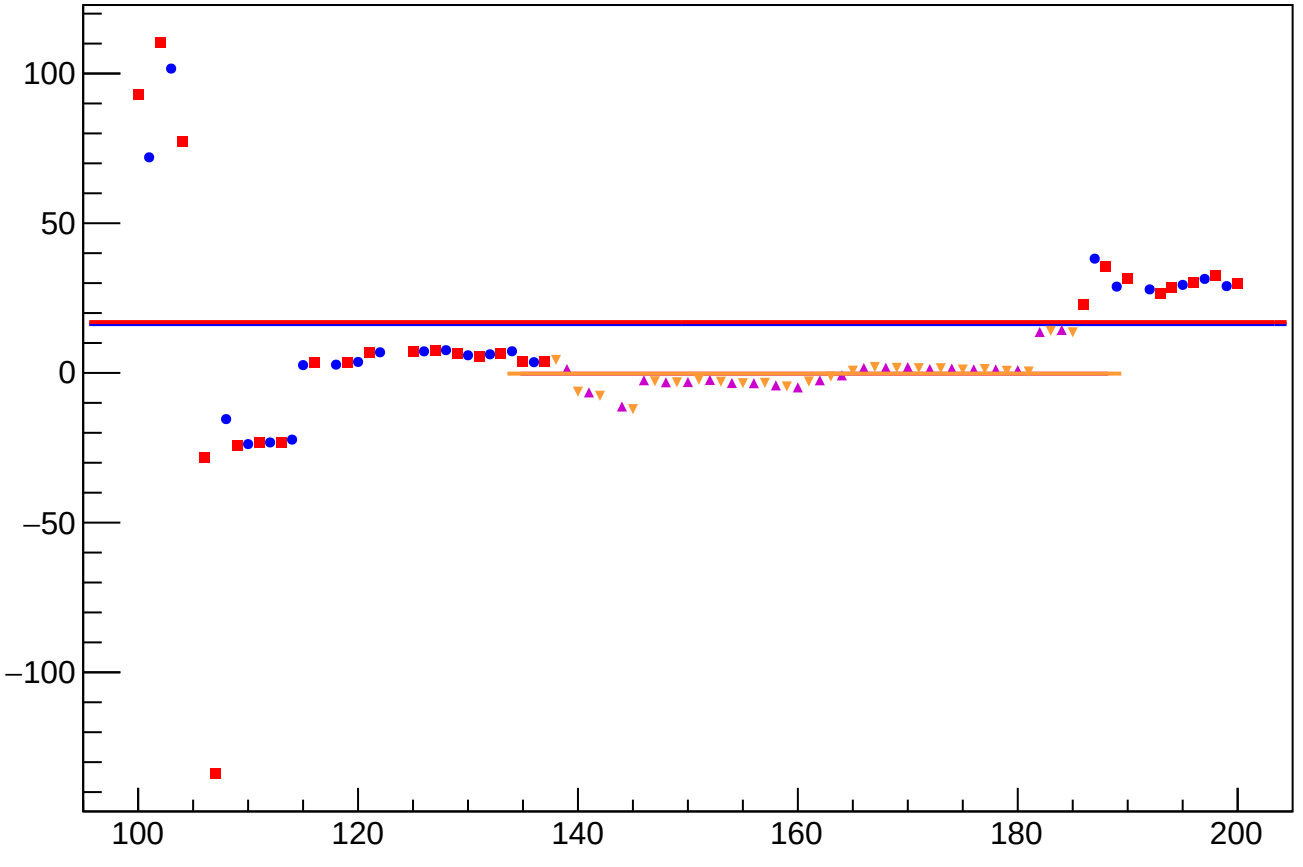
Right: 1.004+/-0.501 χ^2/NDF: 150.3/47

In: 1.531+/-0.352 χ^2/NDF:257.4/44

Out: 1.315+/-0.343 χ^2/NDF:234.5/49

All: 1.420+/-0.246 χ^2/NDF: 492.1/94

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 16.307+/-0.038 χ^2/NDF: 389996.0/21

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

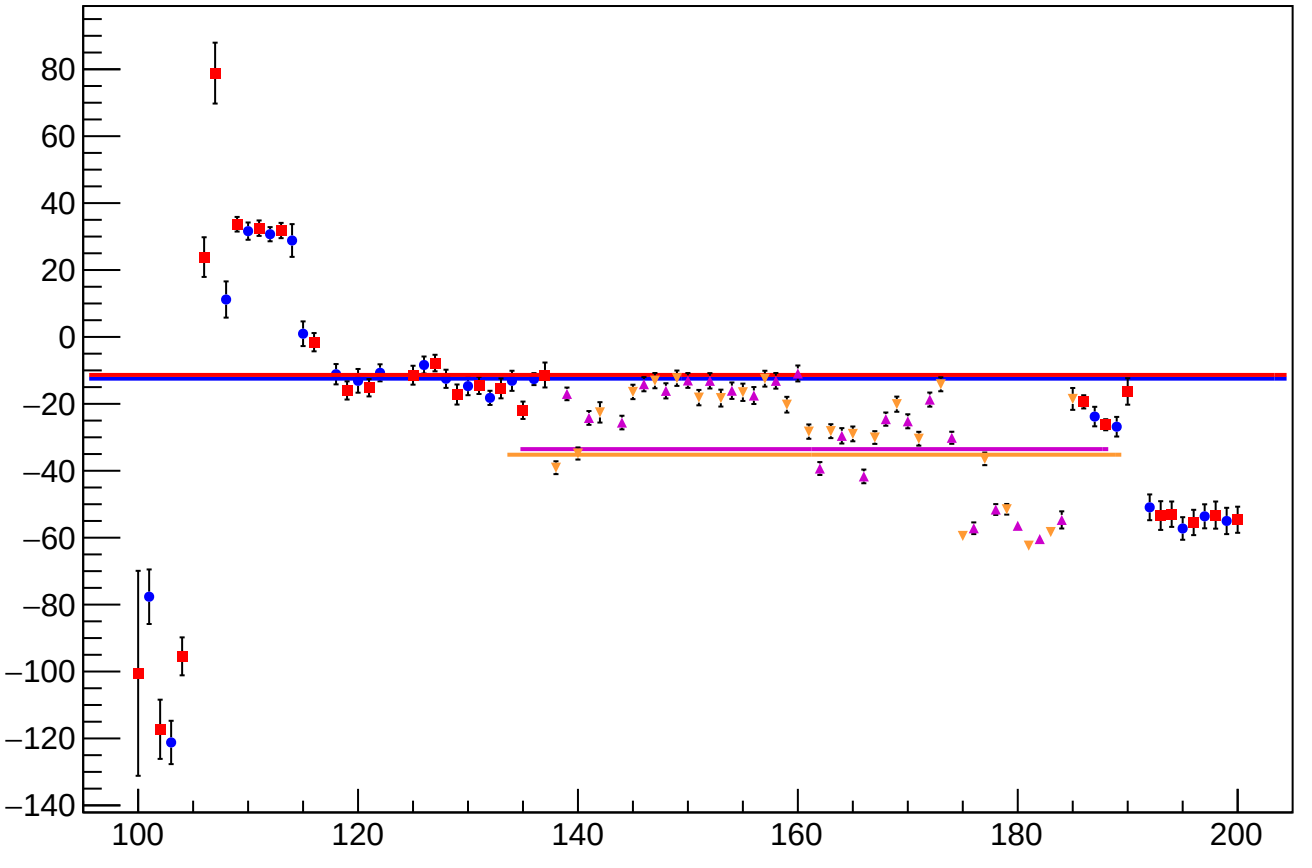
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 16.653+/-0.027 χ^2/NDF: 957863.8/47

In: 2.679+/-0.016 χ^2/NDF:618142.9/44

Out: 2.971+/-0.016 χ^2/NDF:825703.8/49

All: 2.827+/-0.011 χ^2/NDF: 1444013.8/94



Right In: -12.467+/-0.632 χ^2/NDF: 1730.0/21

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

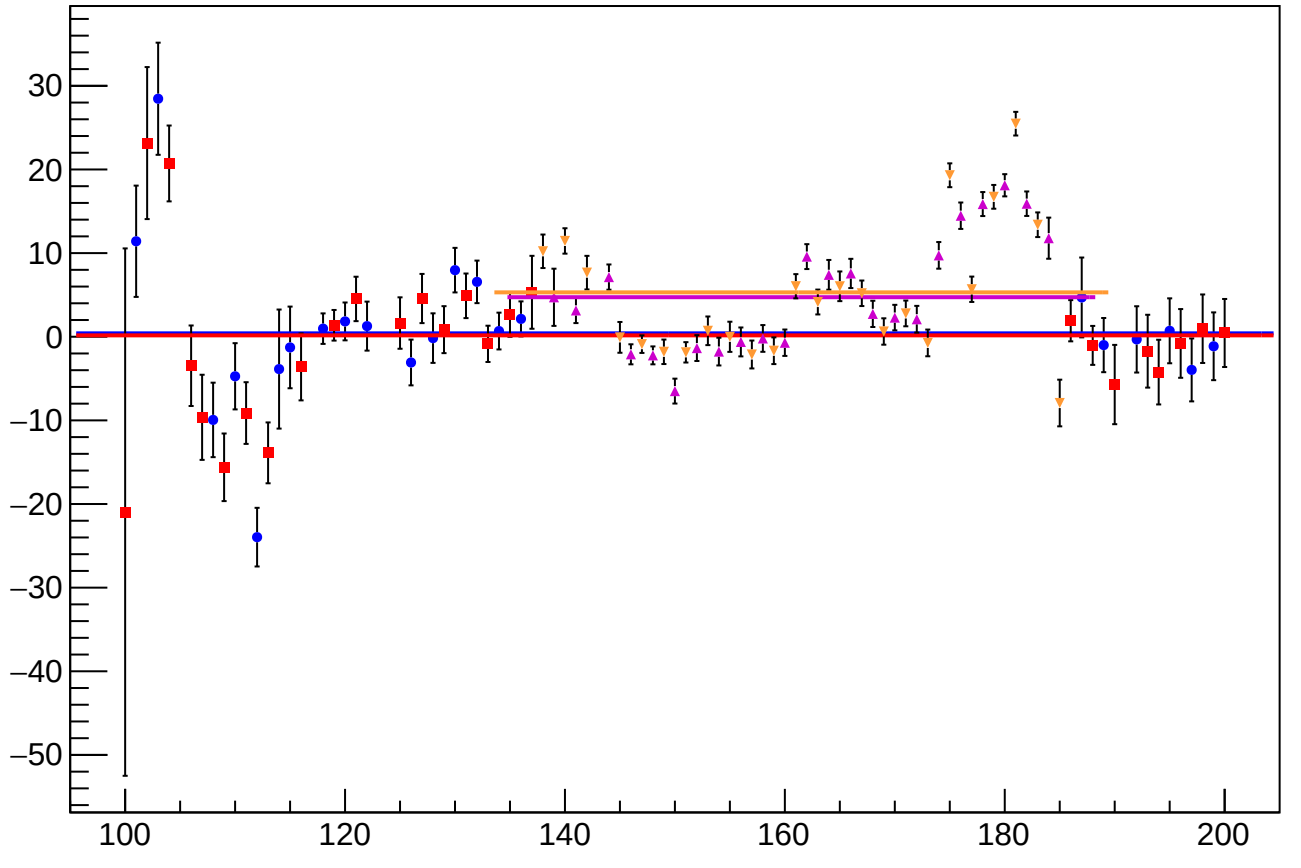
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -11.862+/-0.427 χ^2/NDF: 4103.5/47

In: -27.207+/-0.346 χ^2/NDF:4314.2/44

Out: -27.280+/-0.334 χ^2/NDF:5356.3/49

All: -27.245+/-0.240 χ^2/NDF: 9670.5/94



Right In: 0.405+/-0.660 χ^2/NDF: 95.5/21

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

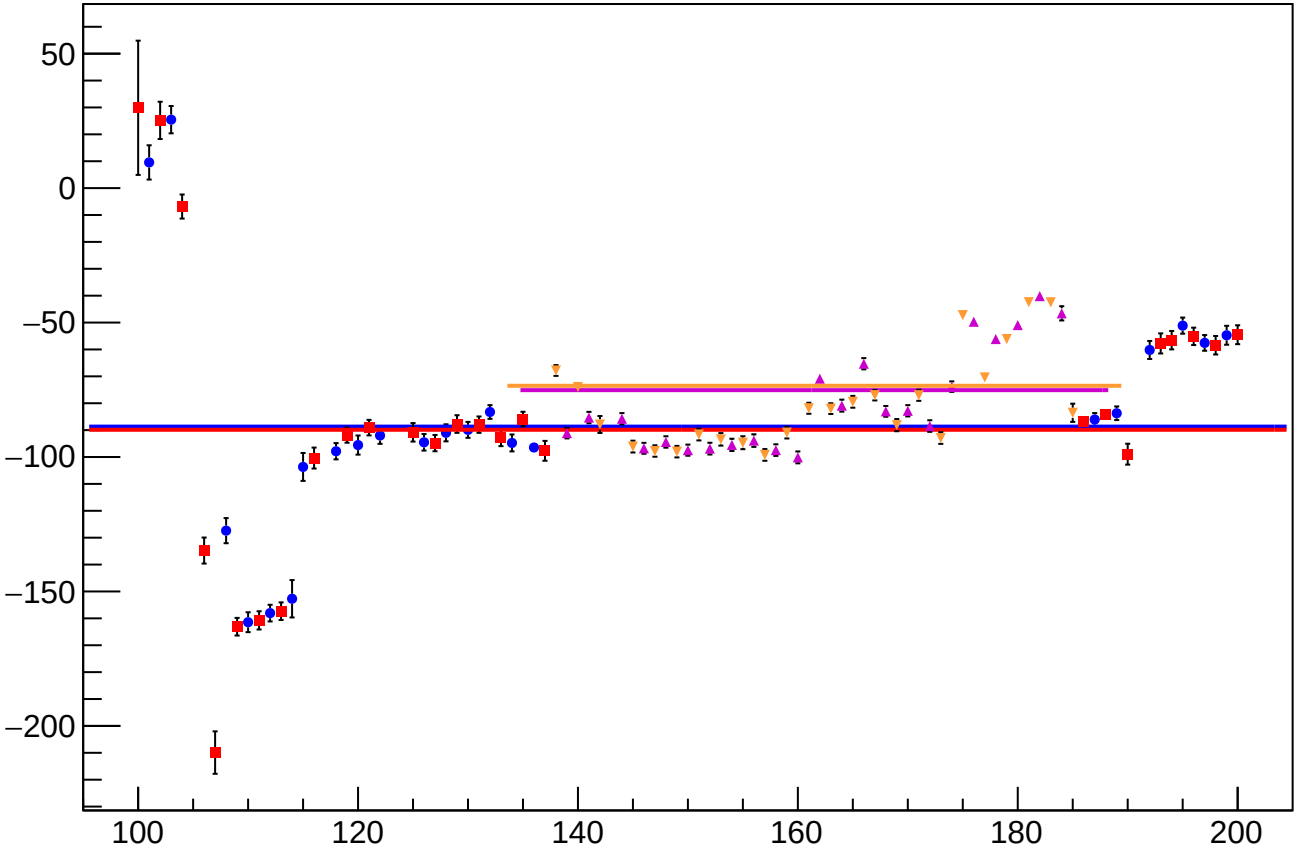
Right: 0.281+/-0.459 χ^2/NDF: 179.8/47

In: 3.900+/-0.289 χ^2/NDF:626.1/44

Out: 4.303+/-0.283 χ^2/NDF:760.7/49

All: 4.106+/-0.202 χ^2/NDF: 1387.7/94

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -88.691+/-0.668 χ^2/NDF: 2277.3/21

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

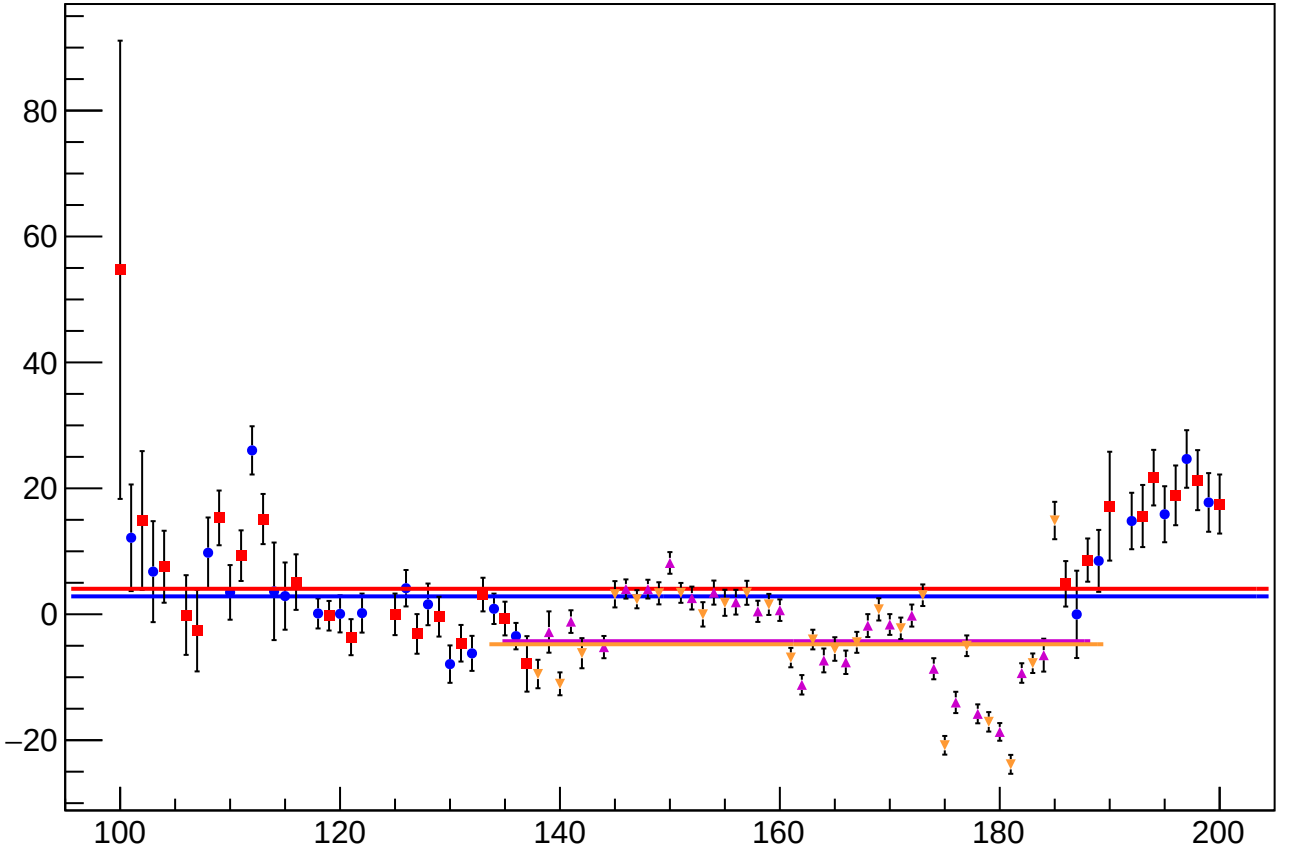
Right: -89.352+/-0.442 χ^2/NDF: 5115.6/47

In: -78.844+/-0.349 χ^2/NDF:4938.6/44

Out: -78.752+/-0.334 χ^2/NDF:5751.1/49

All: -78.796+/-0.241 χ^2/NDF: 10689.7/94

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.843+/-0.758 χ^2/NDF: 126.6/21

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

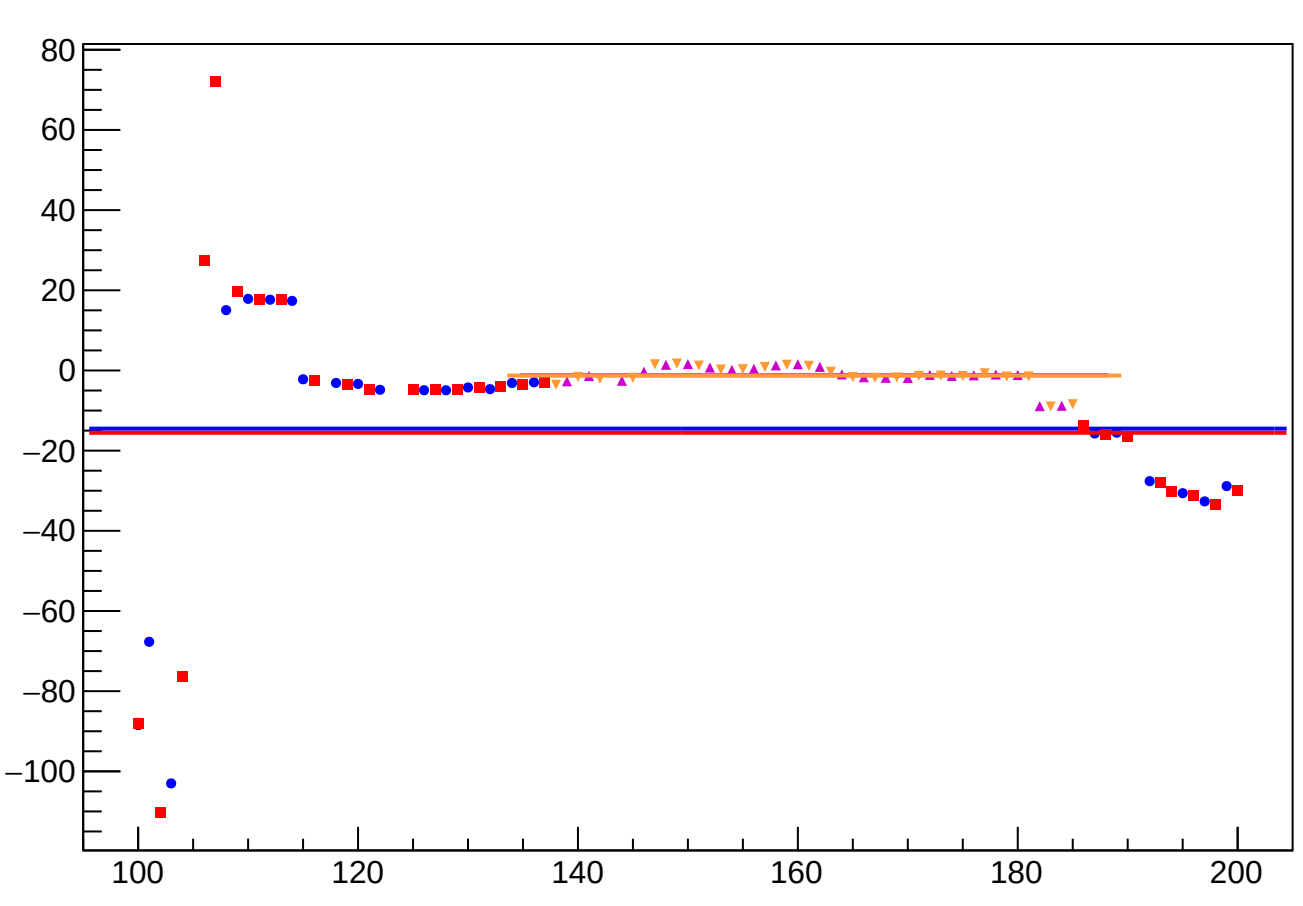
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 3.449+/-0.534 χ^2/NDF: 244.2/47

In: -2.963+/-0.326 χ^2/NDF:622.6/44

Out: -3.161+/-0.321 χ^2/NDF:805.3/49

All: -3.064+/-0.229 χ^2/NDF: 1428.1/94



Right In: -14.513+/-0.039 χ^2/NDF: 339269.6/21

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -15.542+/-0.038 χ^2/NDF: 438913.8/25

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

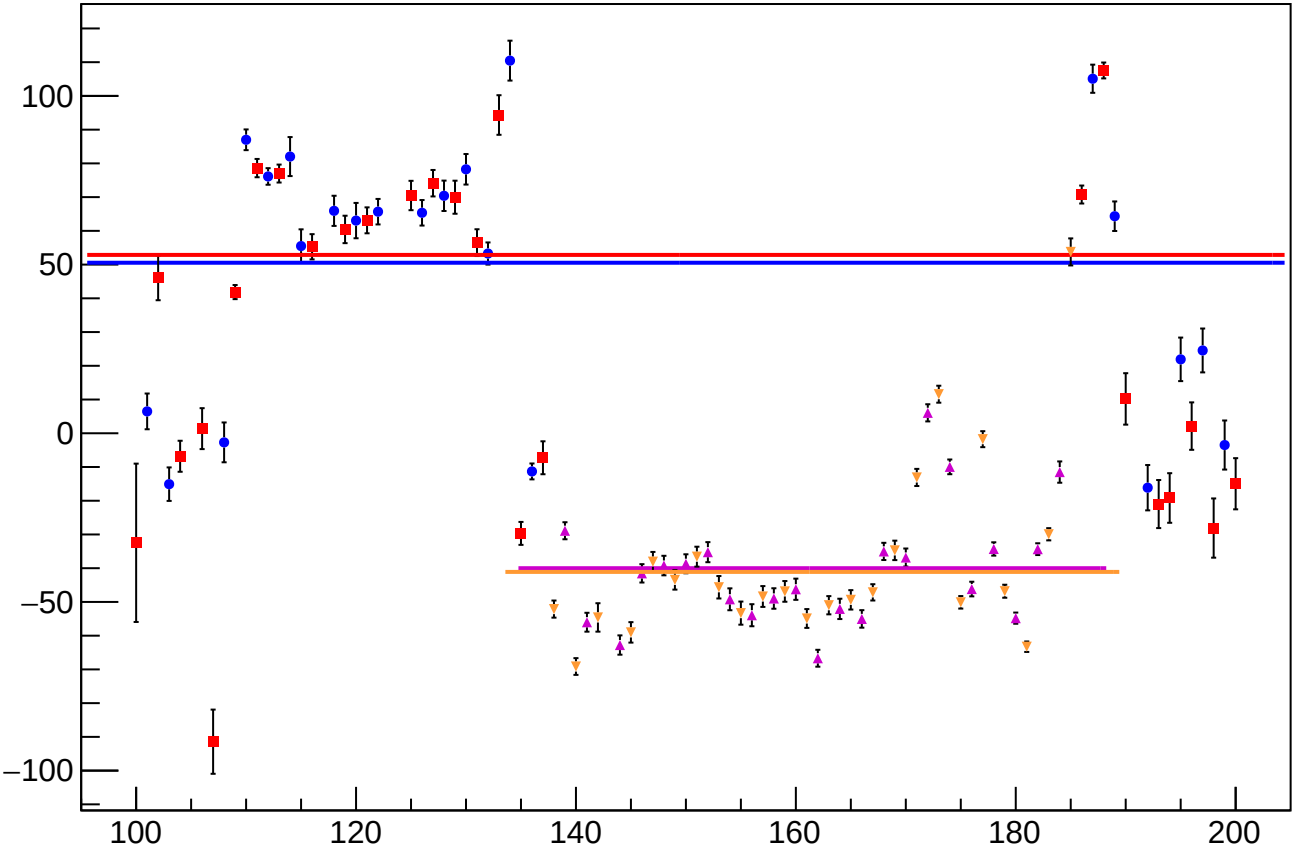
Right: -15.033+/-0.027 χ^2/NDF: 778539.0/47

In: -3.107+/-0.015 χ^2/NDF:464948.0/44

Out: -3.351+/-0.015 χ^2/NDF:582221.0/49

All: -3.230+/-0.010 χ^2/NDF: 1047307.0/94

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.550+/-0.887 χ^2/NDF: 1873.8/21

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

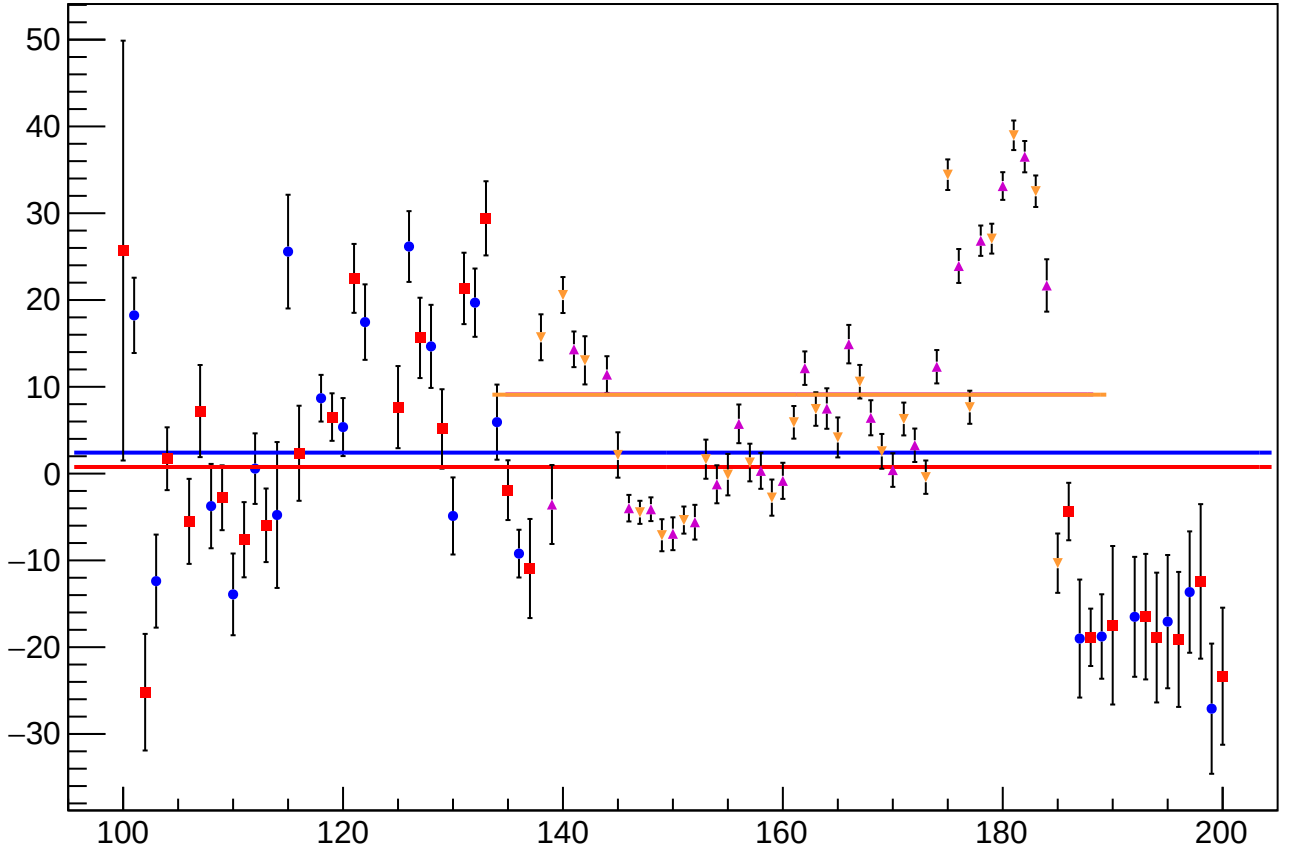
Right: 51.851+/-0.588 χ^2/NDF: 4460.7/47

In: -16.550+/-0.451 χ^2/NDF:10630.6/44

Out: -12.628+/-0.432 χ^2/NDF:14525.8/49

All: -14.503+/-0.312 χ^2/NDF: 25195.8/94

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.416+/-0.954 χ^2/NDF: 210.7/21

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

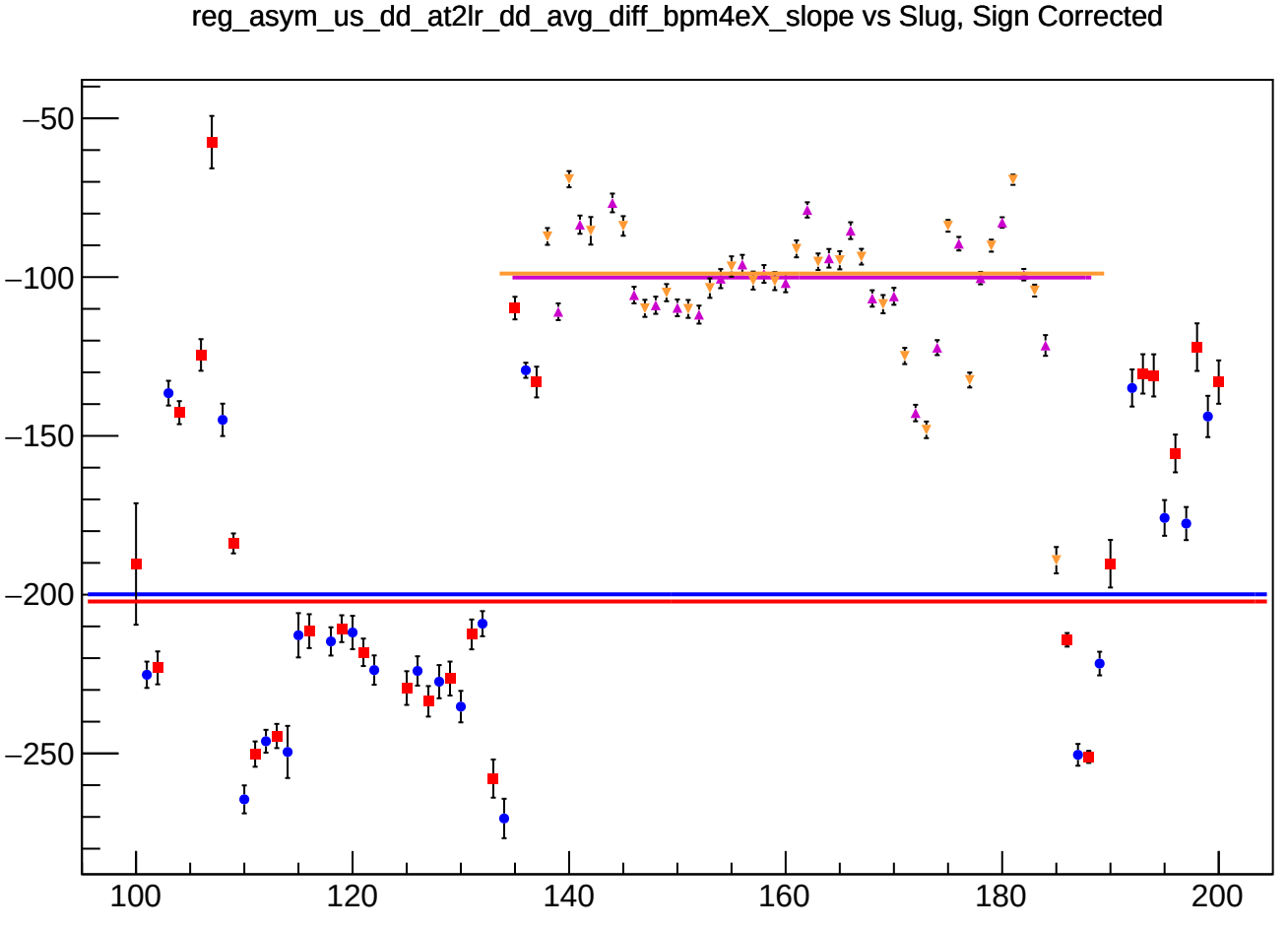
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 1.541+/-0.655 χ^2/NDF: 433.5/47

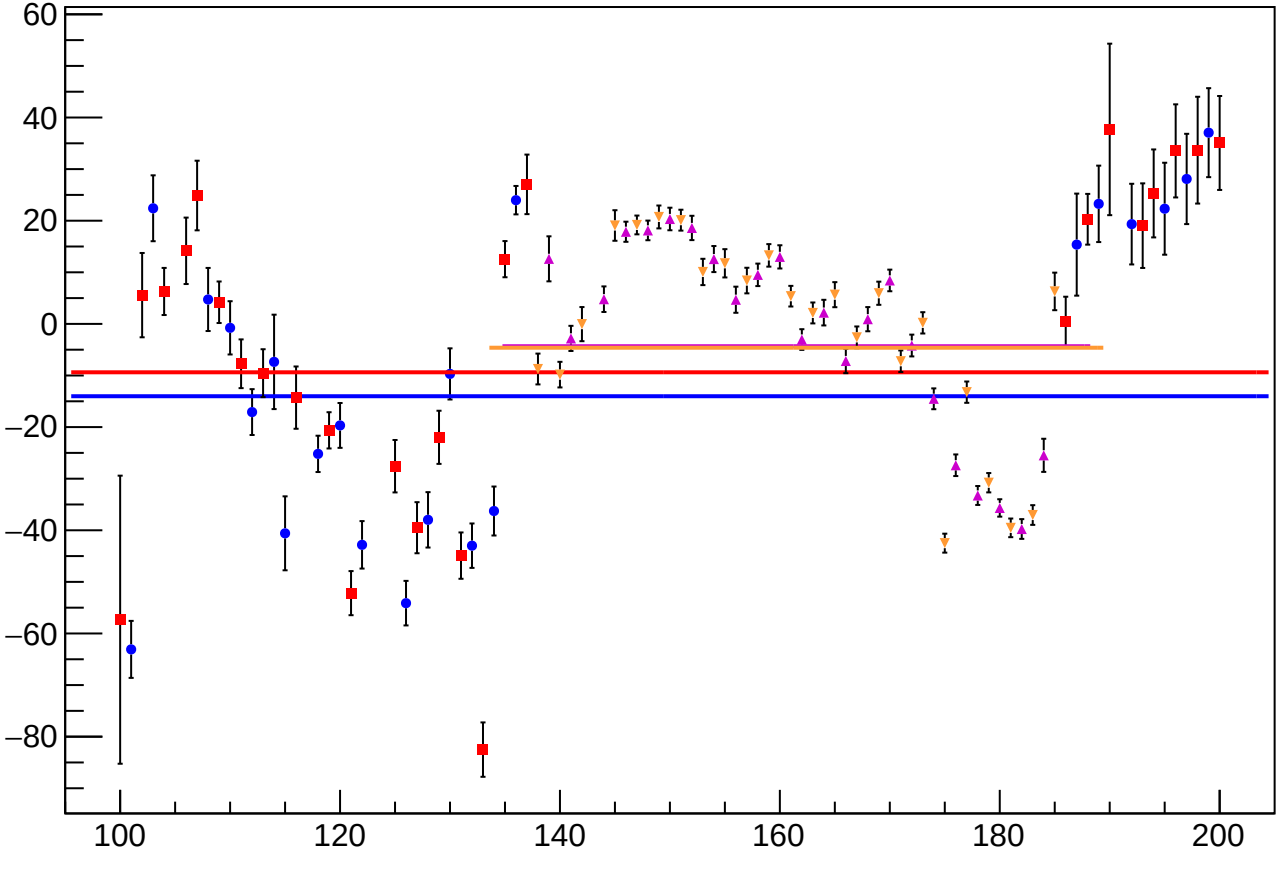
In: 8.080+/-0.376 χ^2/NDF:1304.3/44

Out: 7.713+/-0.366 χ^2/NDF:1546.4/49

All: 7.892+/-0.262 χ^2/NDF: 2851.1/94


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -199.896+/-0.940 χ²/NDF: 2489.8/21
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -202.152+/-0.819 χ²/NDF: 3447.9/25
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -201.178+/-0.618 χ²/NDF: 5941.0/47
In: -123.495+/-0.455 χ²/NDF:11932.3/44
Out: -128.056+/-0.436 χ²/NDF:16669.1/49
All: -125.876+/-0.315 χ²/NDF: 28653.8/94

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -14.019+/-1.099 χ^2/NDF: 685.1/21

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

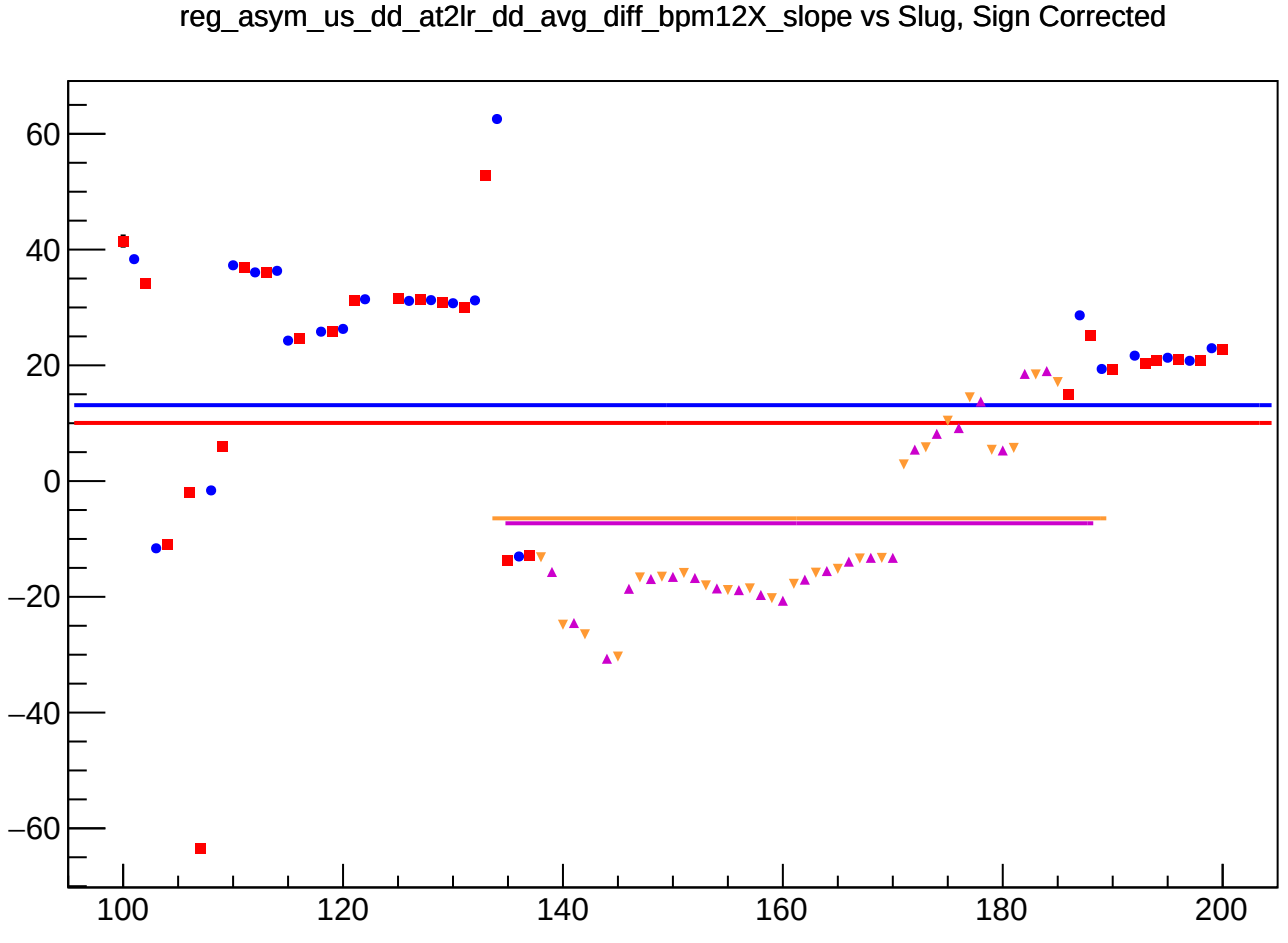
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -11.615+/-0.763 χ^2/NDF: 1405.2/47

In: -5.766+/-0.423 χ^2/NDF:2605.5/44

Out: -5.349+/-0.415 χ^2/NDF:2806.2/49

All: -5.554+/-0.296 χ^2/NDF: 5412.2/94



Right In: 13.118+/-0.056 χ^2/NDF: 171860.7/21

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

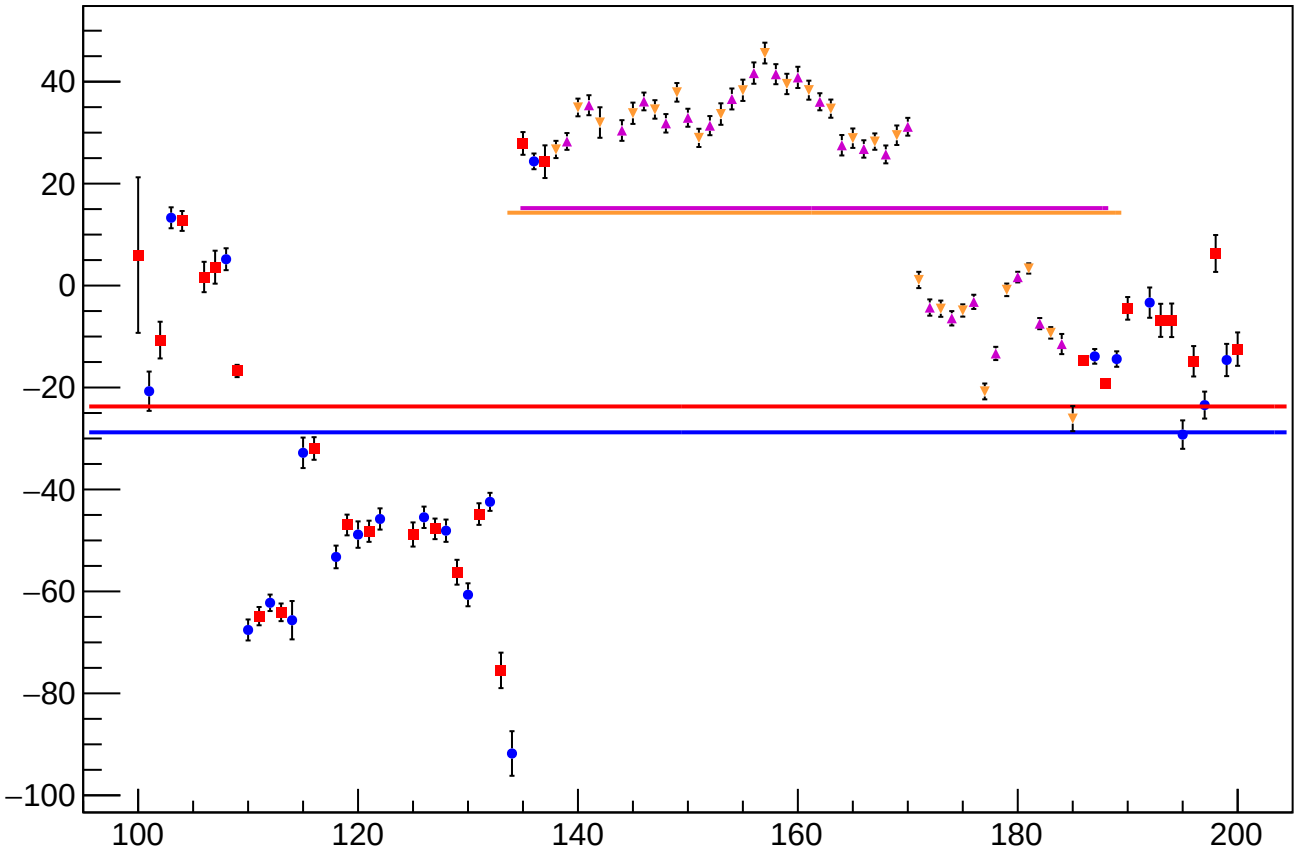
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 11.532+/-0.039 χ^2/NDF: 346264.8/47

In: -4.892+/-0.019 χ^2/NDF:778972.3/44

Out: -4.402+/-0.019 χ^2/NDF:751794.3/49

All: -4.645+/-0.013 χ^2/NDF: 1531099.1/94



Right In: -28.791+/-0.460 χ^2/NDF: 3895.9/21

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

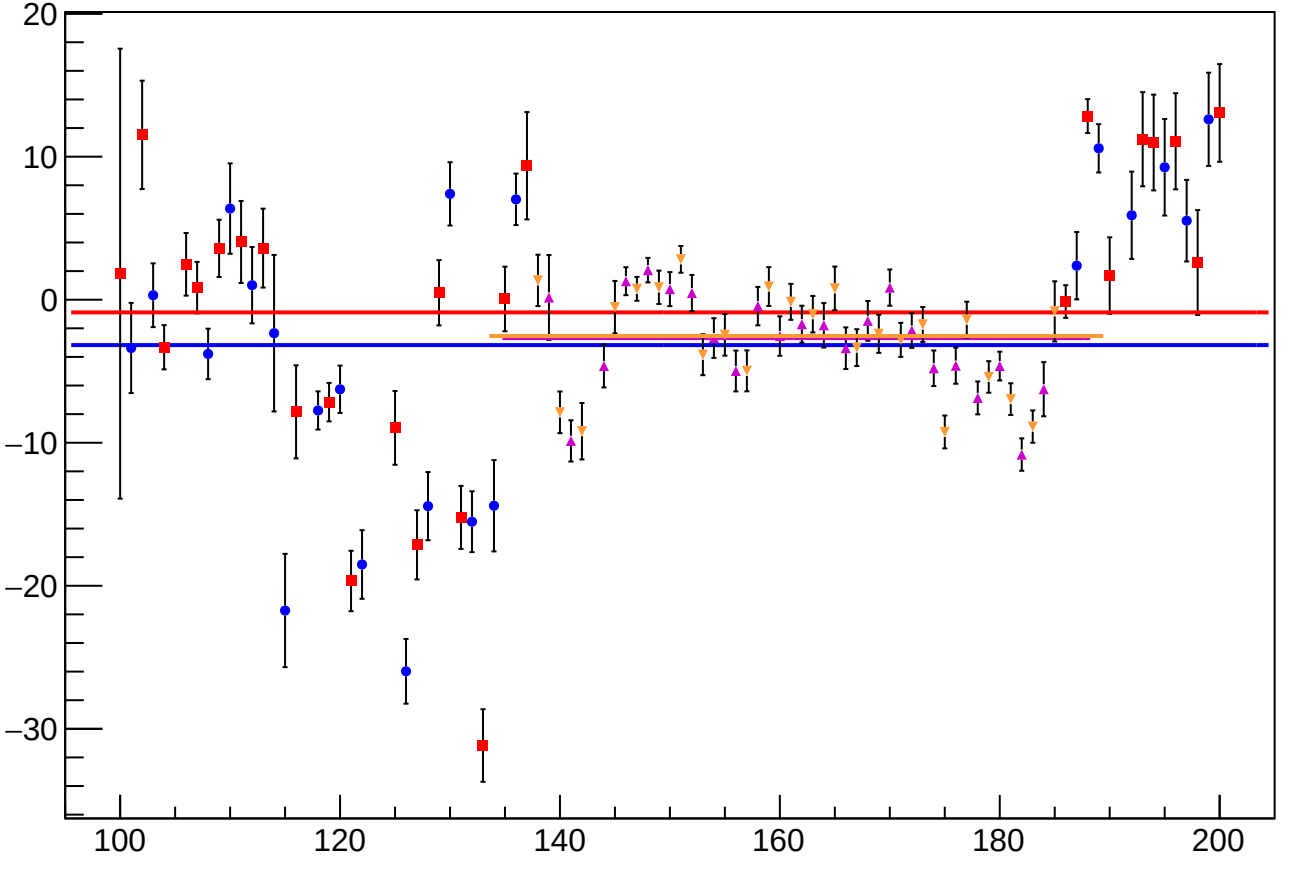
Right: -25.769+/-0.292 χ^2/NDF: 7717.3/47

In: -0.324+/-0.273 χ^2/NDF:13227.5/44

Out: -2.401+/-0.251 χ^2/NDF:13123.4/49

All: -1.450+/-0.185 χ^2/NDF: 26382.2/94

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.173+/-0.488 χ^2/NDF: 444.2/21

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

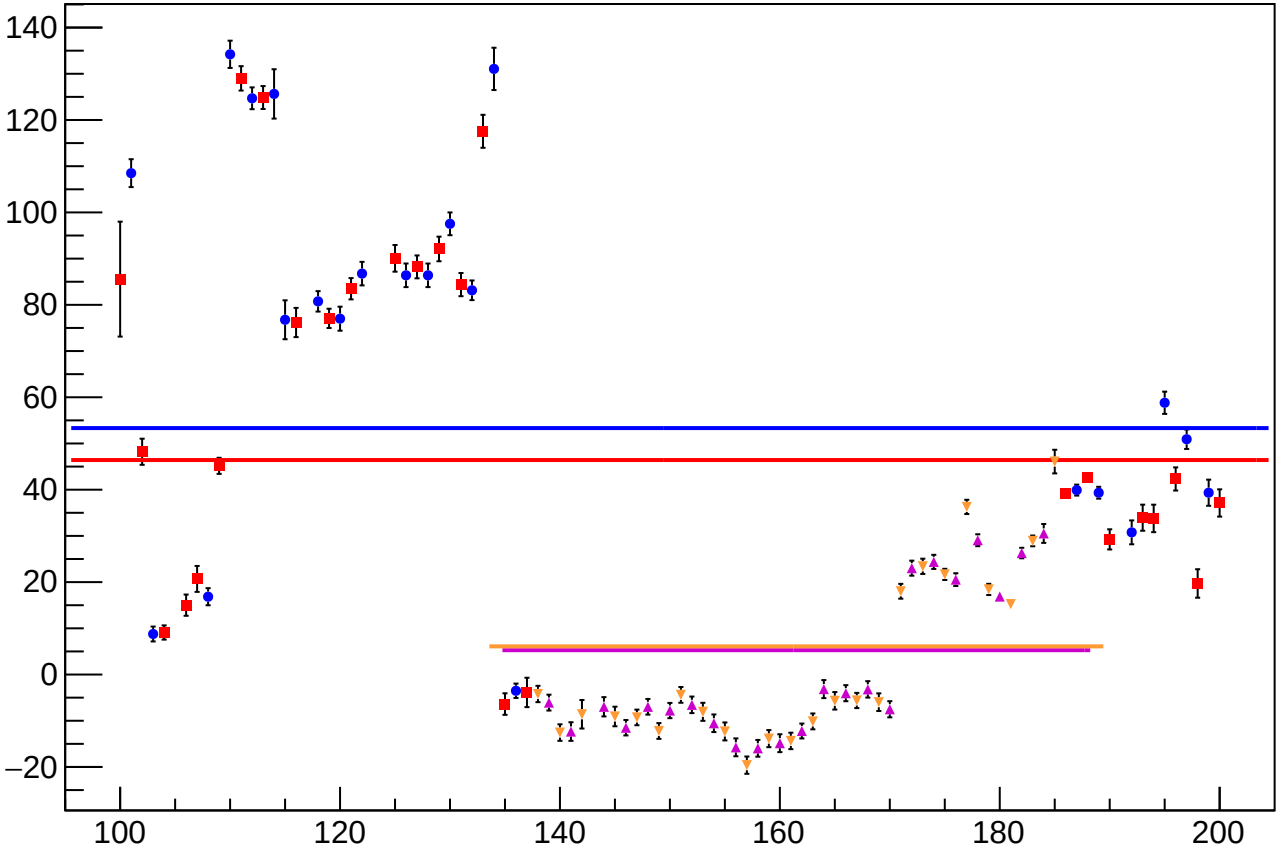
Right: -1.870+/-0.320 χ^2/NDF: 1028.9/47

In: -2.793+/-0.233 χ^2/NDF:627.0/44

Out: -2.088+/-0.221 χ^2/NDF:781.6/49

All: -2.423+/-0.160 χ^2/NDF: 1413.5/94

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.331+/-0.455 χ^2/NDF: 6604.4/21

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

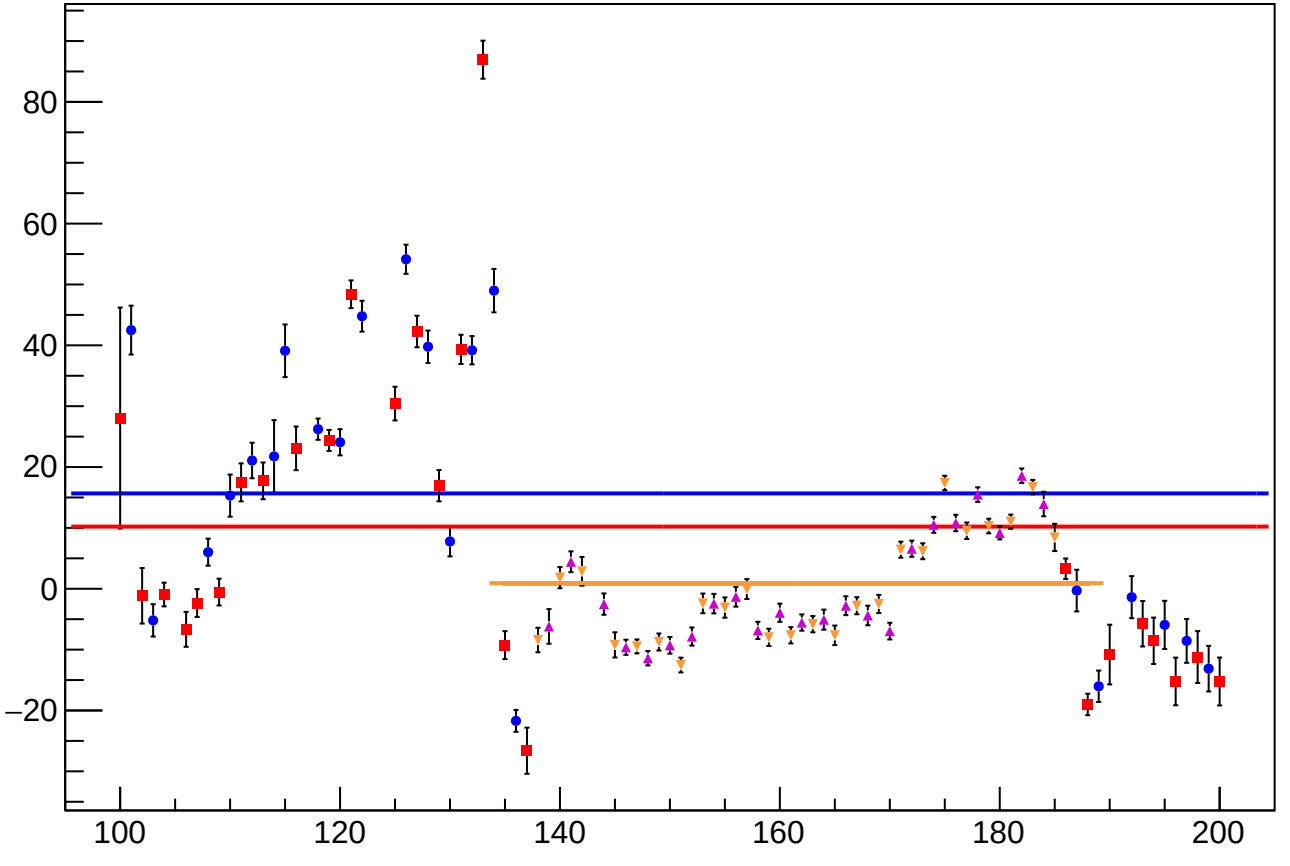
Right: 49.070+/-0.282 χ^2/NDF: 12672.7/47

In: 22.247+/-0.271 χ^2/NDF:16260.6/44

Out: 24.714+/-0.244 χ^2/NDF:15475.9/49

All: 23.607+/-0.181 χ^2/NDF: 31782.3/94

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.666+/-0.580 χ^2/NDF: 1644.1/21

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 10.214+/-0.523 χ^2/NDF: 2090.1/25

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

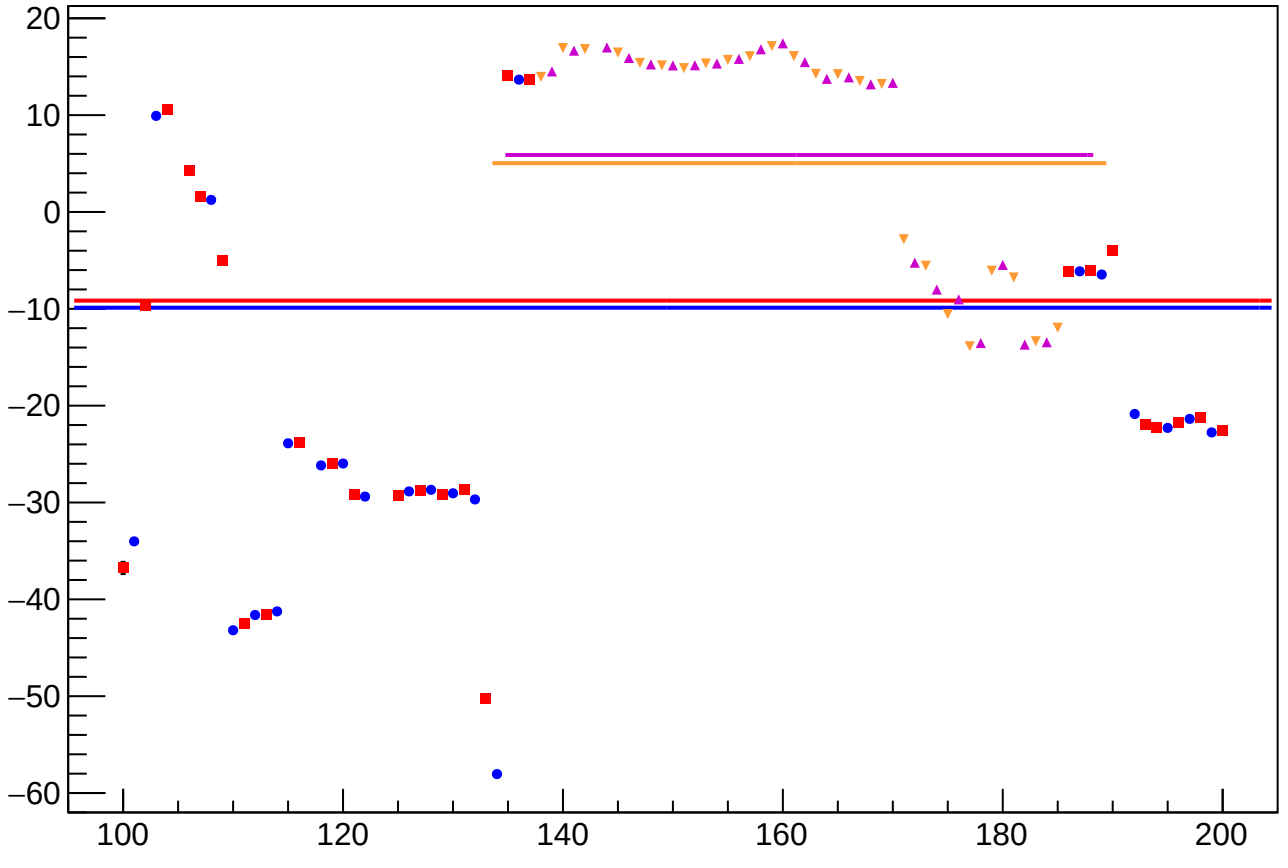
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 12.657+/-0.388 χ^2/NDF: 3782.9/47

In: 3.953+/-0.265 χ^2/NDF:3164.8/44

Out: 3.135+/-0.255 χ^2/NDF:3372.3/49

All: 3.529+/-0.184 χ^2/NDF: 6542.1/94



Right In: -9.884+/-0.028 χ^2/NDF: 466667.8/21

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

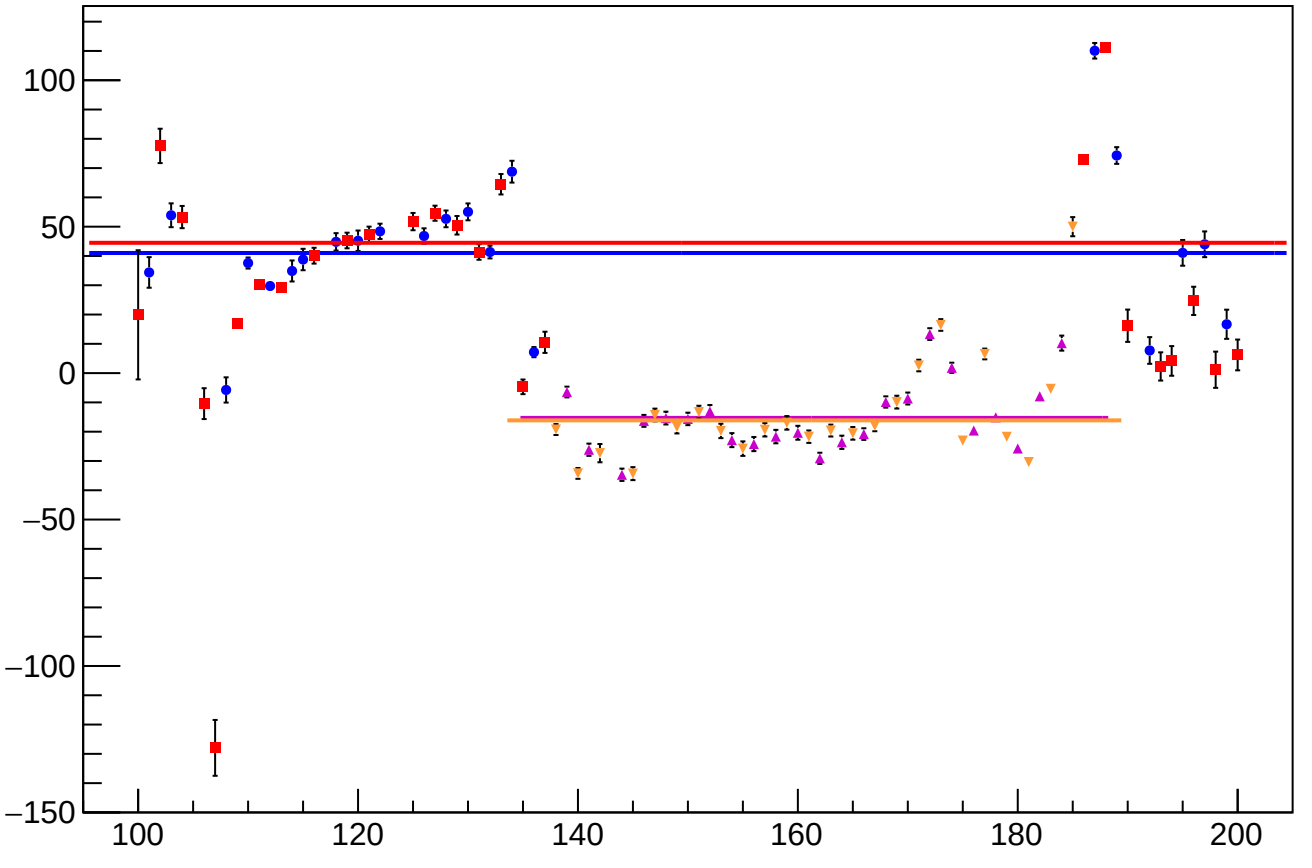
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -9.496+/-0.019 χ^2/NDF: 854321.7/47

In: 2.990+/-0.012 χ^2/NDF:1577270.8/44

Out: 2.183+/-0.012 χ^2/NDF:1480708.9/49

All: 2.580+/-0.008 χ^2/NDF: 3060324.7/94



Right In: 41.019+/-0.600 χ^2/NDF: 1563.3/21

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

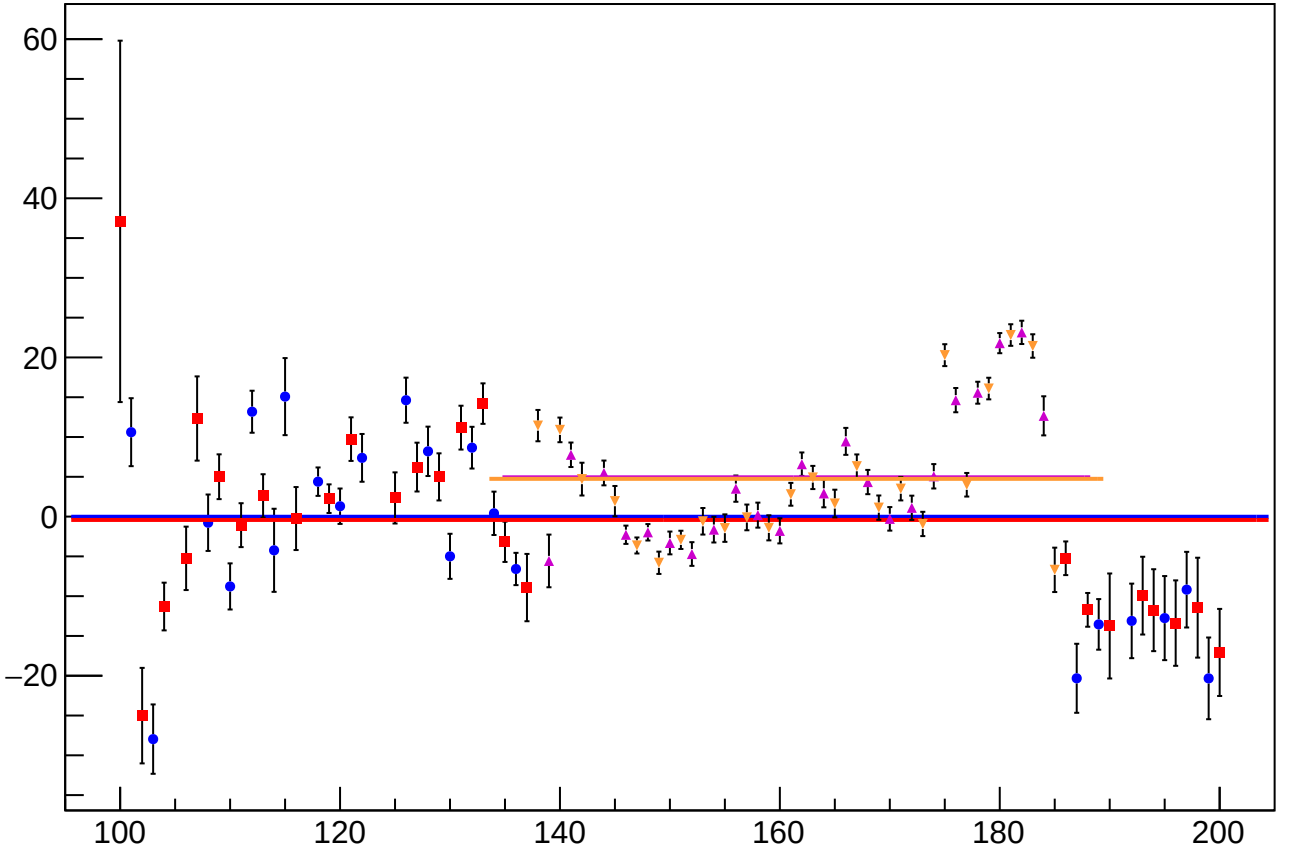
Right: 42.961+/-0.399 χ^2/NDF: 5579.1/47

In: 2.219+/-0.335 χ^2/NDF:8390.9/44

Out: 5.534+/-0.319 χ^2/NDF:13658.5/49

All: 3.956+/-0.231 χ^2/NDF: 22100.8/94

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.021+/-0.653 χ^2/NDF: 235.6/21

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

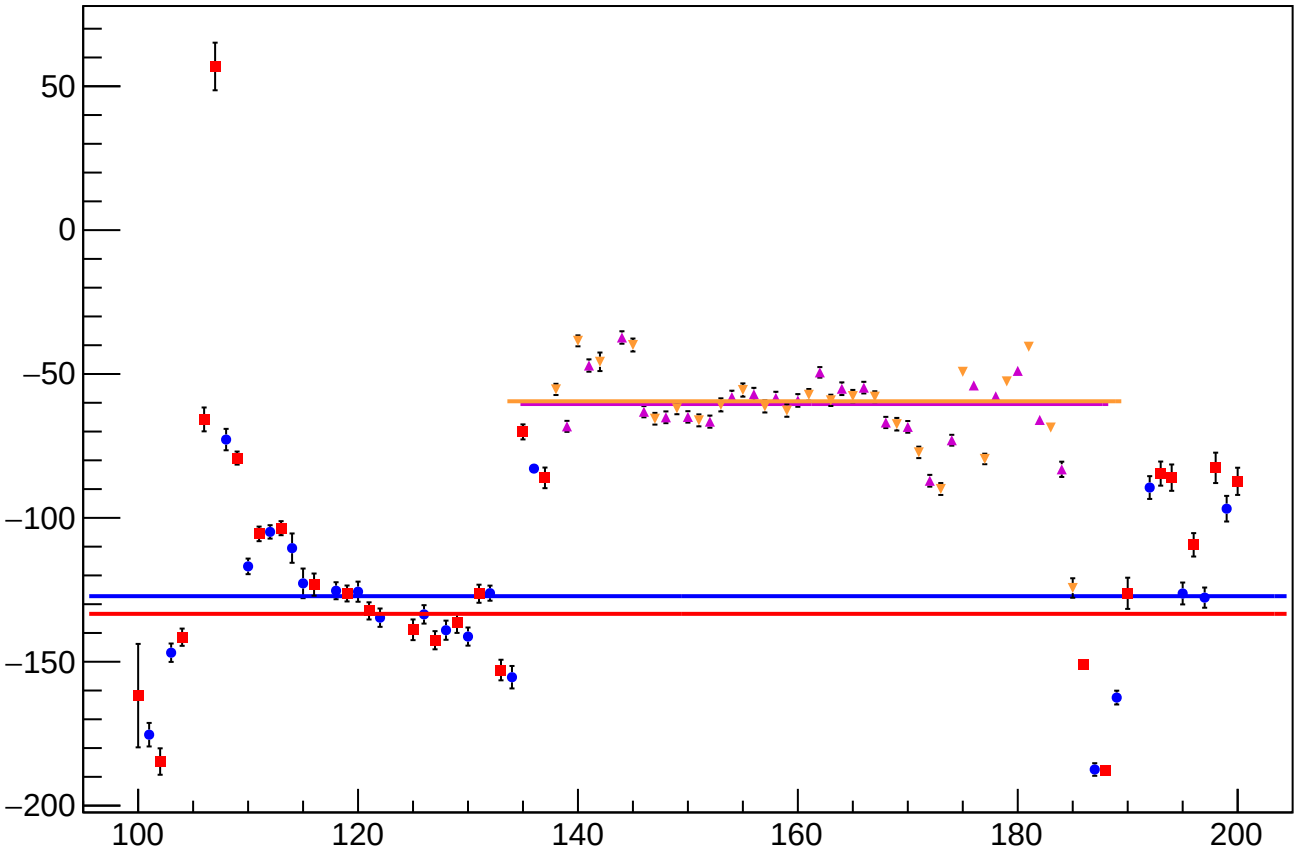
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -0.231+/-0.450 χ^2/NDF: 425.9/47

In: 4.008+/-0.282 χ^2/NDF:970.8/44

Out: 3.732+/-0.275 χ^2/NDF:1039.6/49

All: 3.866+/-0.197 χ^2/NDF: 2010.9/94



Right In: -127.211+/-0.646 χ^2/NDF: 2353.8/21

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -133.356+/-0.558 χ^2/NDF: 5205.6/25

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

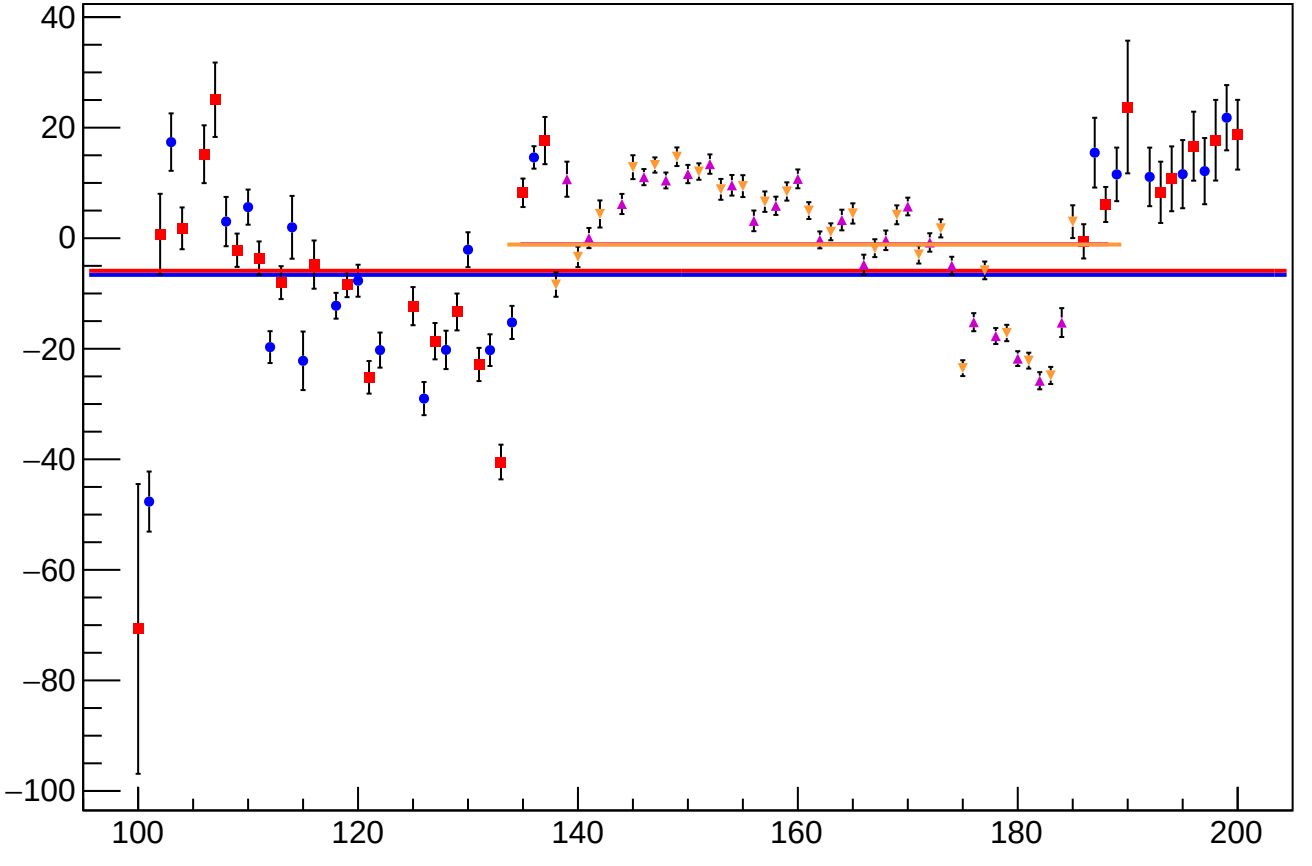
Right: -130.733+/-0.422 χ^2/NDF: 7611.2/47

In: -78.888+/-0.340 χ^2/NDF:10742.6/44

Out: -84.134+/-0.322 χ^2/NDF:18255.6/49

All: -81.650+/-0.234 χ^2/NDF: 29123.6/94

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.630+/-0.753 χ^2/NDF: 446.3/21

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

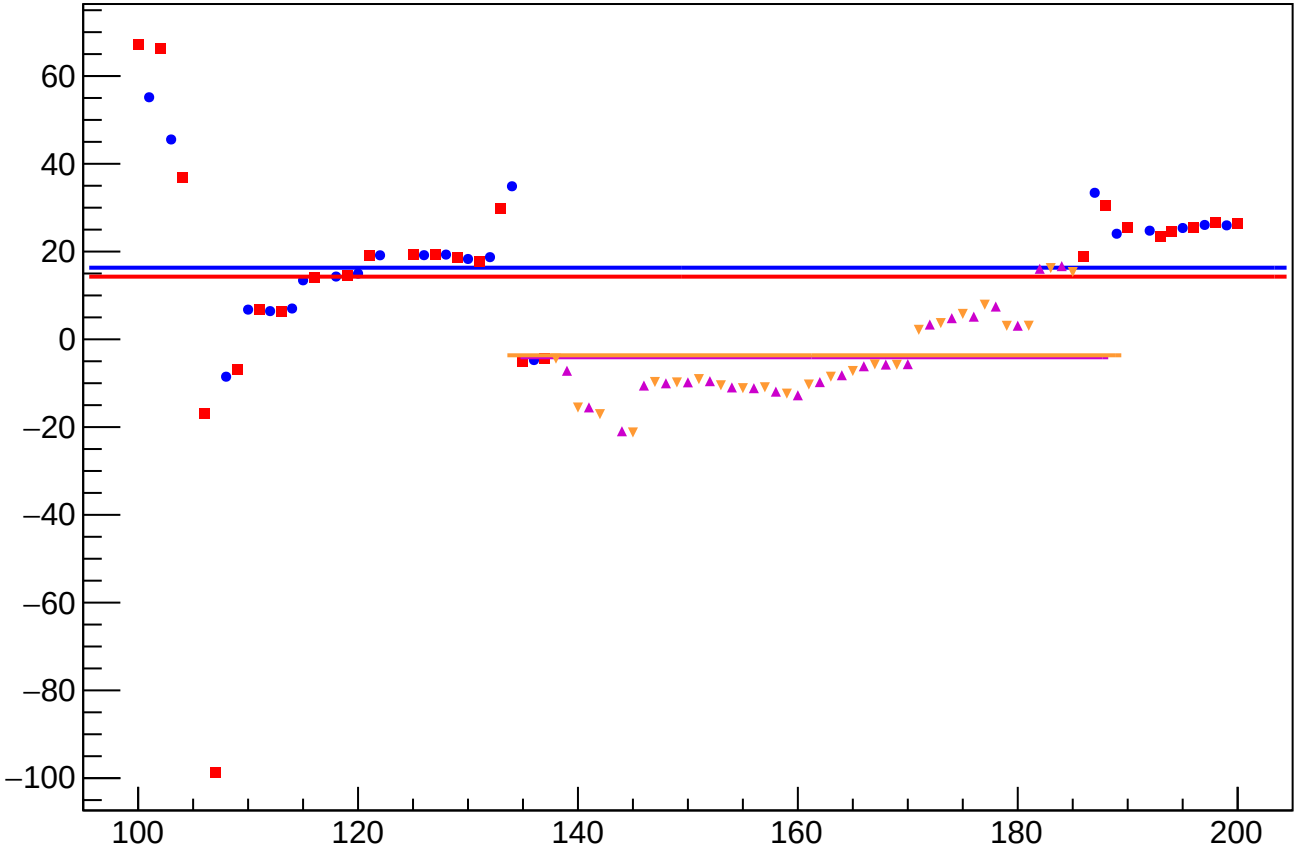
Right: -6.252+/-0.525 χ^2/NDF: 855.9/47

In: -2.077+/-0.319 χ^2/NDF:1648.3/44

Out: -2.009+/-0.313 χ^2/NDF:1746.4/49

All: -2.042+/-0.223 χ^2/NDF: 3394.8/94

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 16.323+/-0.040 χ^2/NDF: 201759.4/21

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 14.283+/-0.039 χ^2/NDF: 332531.4/25

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

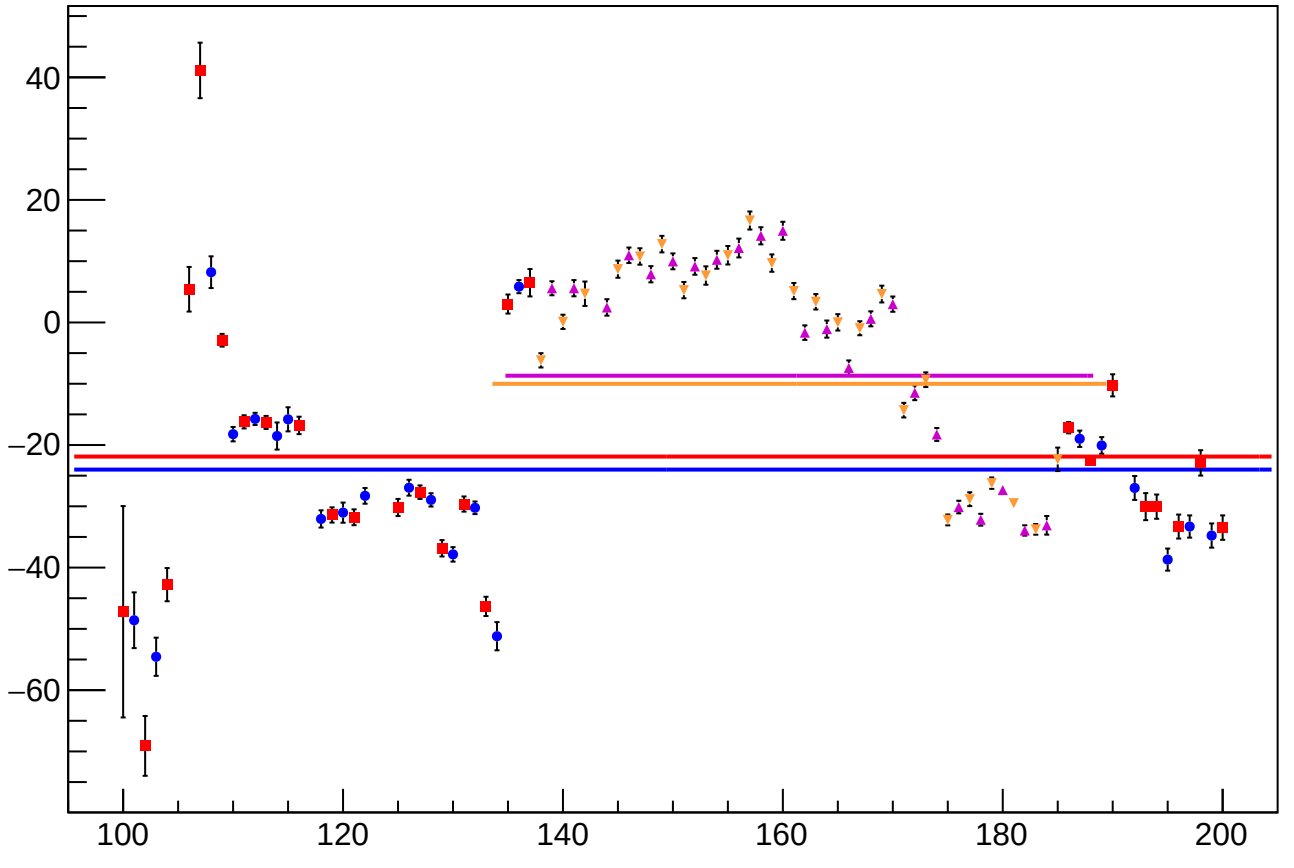
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 15.289+/-0.028 χ^2/NDF: 535639.8/47

In: -1.365+/-0.014 χ^2/NDF:765728.1/44

Out: -1.209+/-0.014 χ^2/NDF:860826.3/49

All: -1.287+/-0.010 χ^2/NDF: 1626613.6/94



Right In: -24.008+/-0.310 χ^2/NDF: 1719.5/21

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

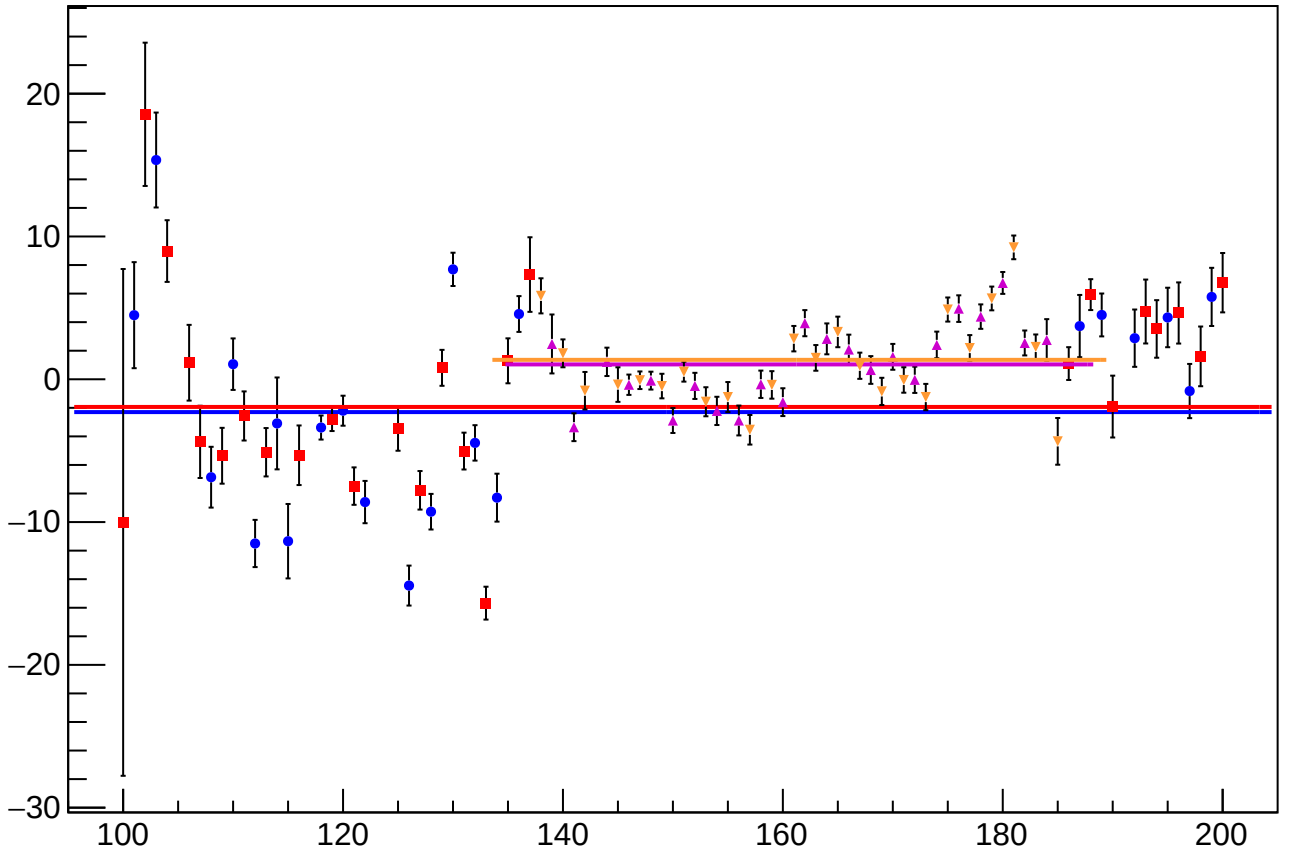
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.840+/-0.208 χ^2/NDF: 3726.5/47

In: -14.649+/-0.194 χ^2/NDF:8229.5/44

Out: -15.123+/-0.184 χ^2/NDF:7974.7/49

All: -14.897+/-0.134 χ^2/NDF: 16207.4/94



Right In: -2.298+/-0.329 χ^2/NDF: 389.7/21

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

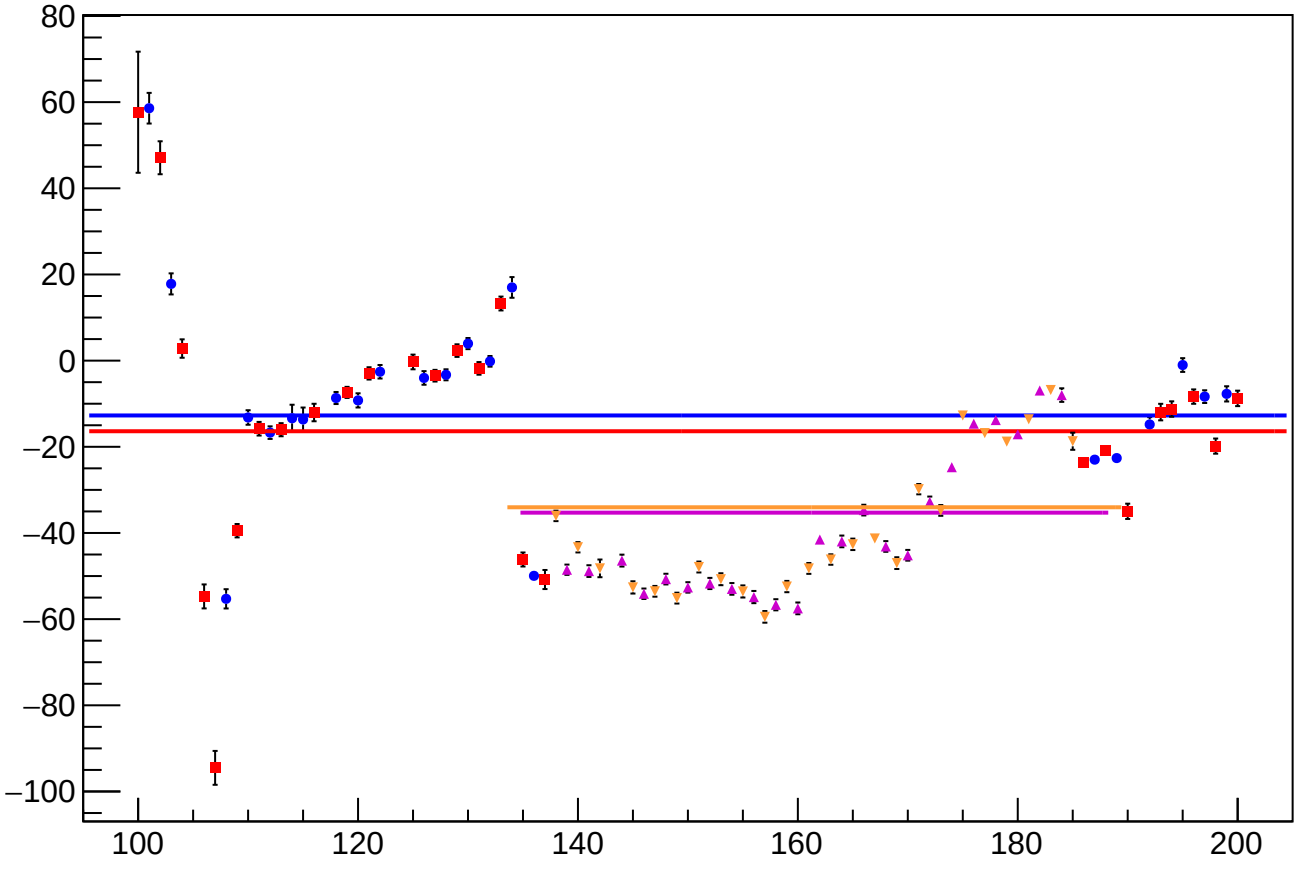
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -2.109+/-0.227 χ^2/NDF: 758.9/47

In: 0.189+/-0.166 χ^2/NDF:662.7/44

Out: 0.483+/-0.161 χ^2/NDF:690.5/49

All: 0.340+/-0.116 χ^2/NDF: 1354.8/94



Right In: -12.725+/-0.330 χ^2/NDF: 2904.8/21

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

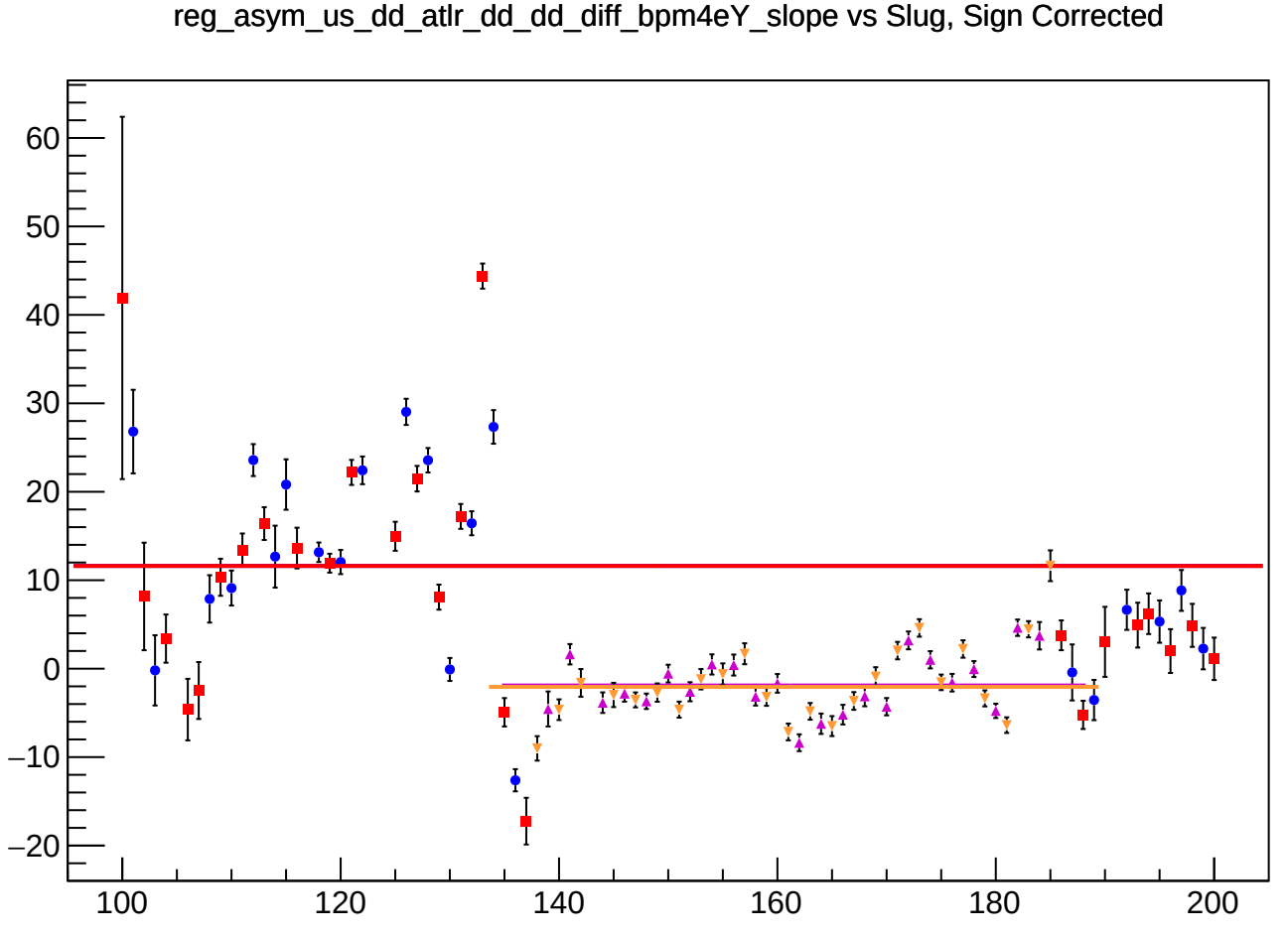
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

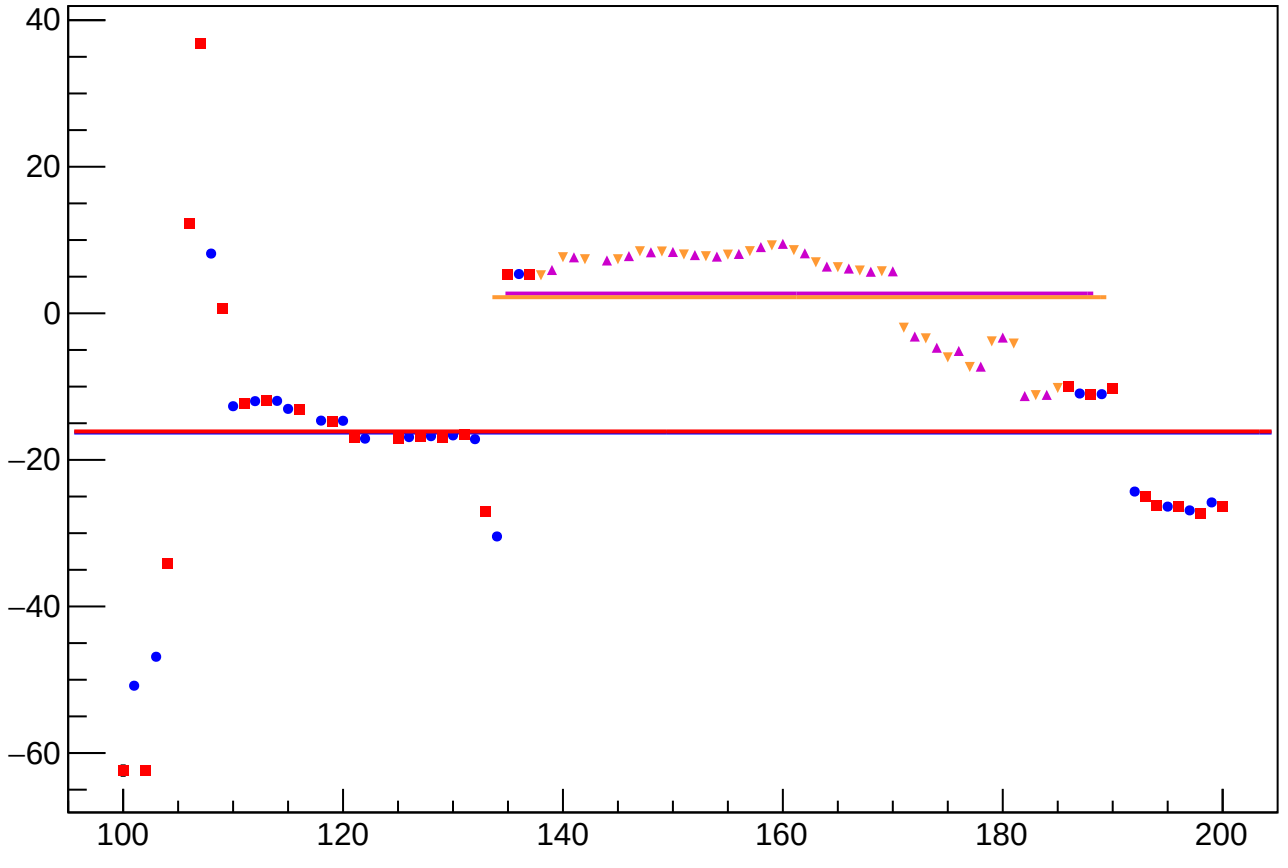
Right: -14.815+/-0.216 χ^2/NDF: 5984.4/47

In: -27.261+/-0.197 χ^2/NDF:10908.1/44

Out: -26.672+/-0.185 χ^2/NDF:10184.6/49

All: -26.948+/-0.135 χ^2/NDF: 21097.4/94


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: 11.618+/-0.382 χ²/NDF: 963.5/21
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: 11.615+/-0.266 χ²/NDF: 2107.7/47
In: 1.373+/-0.188 χ²/NDF:2134.1/44
Out: 1.309+/-0.184 χ²/NDF:2499.8/49
All: 1.340+/-0.132 χ²/NDF: 4634.0/94



Right In: -16.268+/-0.021 χ^2/NDF: 468605.0/21

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

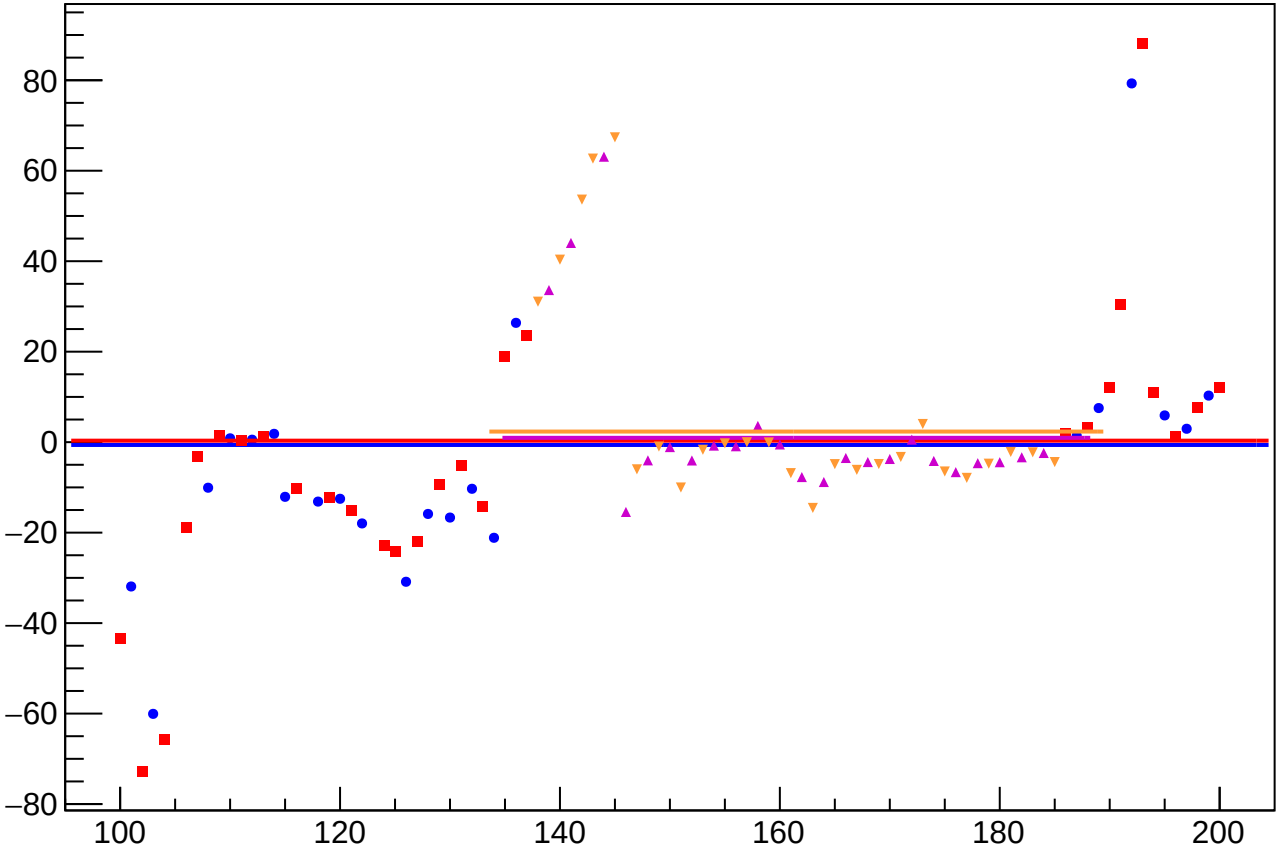
Right: -16.191+/-0.014 χ^2/NDF: 1022675.5/47

In: -0.685+/-0.009 χ^2/NDF:1669650.8/44

Out: -1.271+/-0.009 χ^2/NDF:1767443.7/49

All: -0.982+/-0.006 χ^2/NDF: 3439413.0/94

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.622+/-0.046 χ^2/NDF: 115556.0/21

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

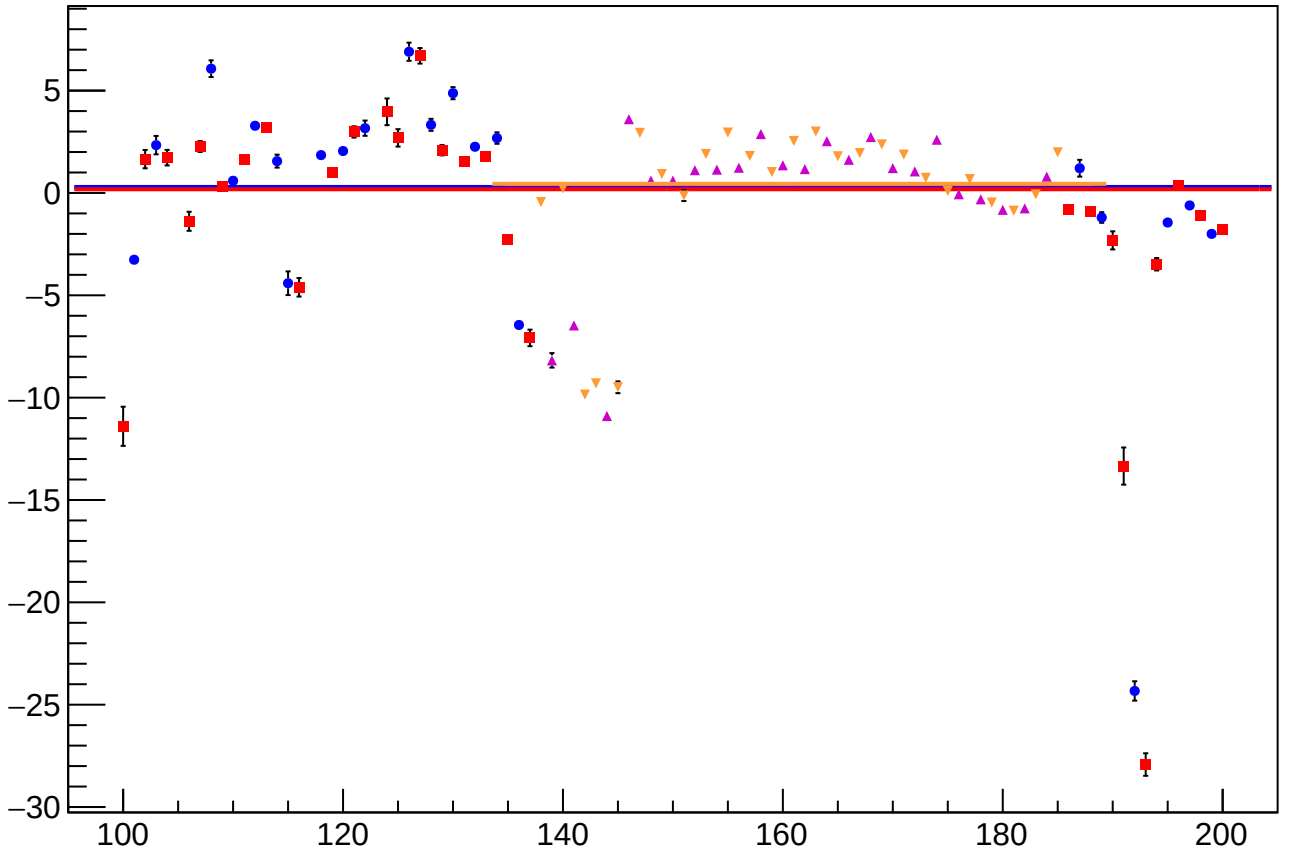
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -0.060+/-0.029 χ^2/NDF: 234474.8/49

In: 0.280+/-0.030 χ^2/NDF:248745.9/44

Out: 1.285+/-0.028 χ^2/NDF:296964.6/52

All: 0.825+/-0.020 χ^2/NDF: 546311.1/97



Right In: 0.293+/-0.051 χ^2/NDF: 5775.1/21

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

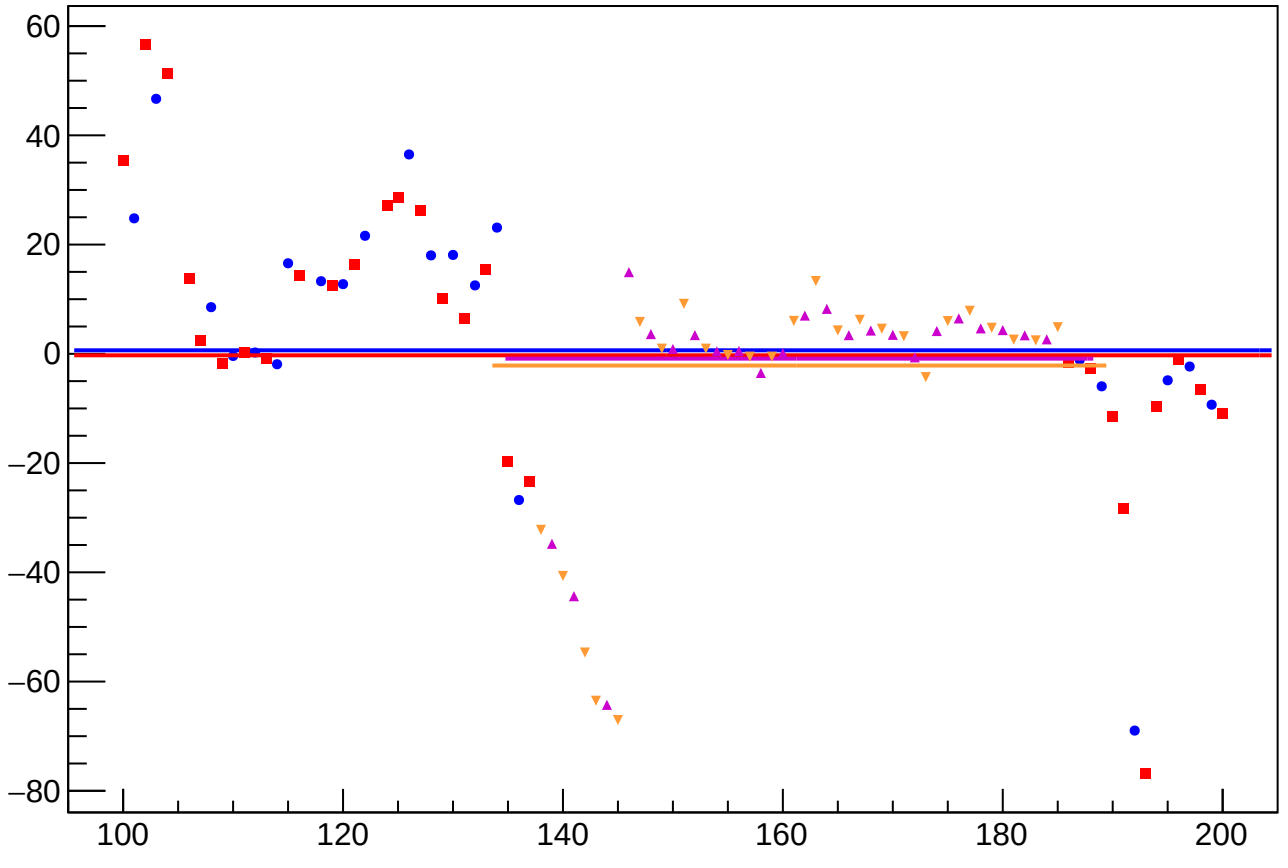
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.232+/-0.035 χ^2/NDF: 10805.2/49

In: 0.391+/-0.027 χ^2/NDF:12882.4/44

Out: 0.359+/-0.027 χ^2/NDF:12093.2/52

All: 0.375+/-0.019 χ^2/NDF: 24976.3/97



Right In: 0.644+/-0.048 χ^2/NDF: 114786.7/21

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

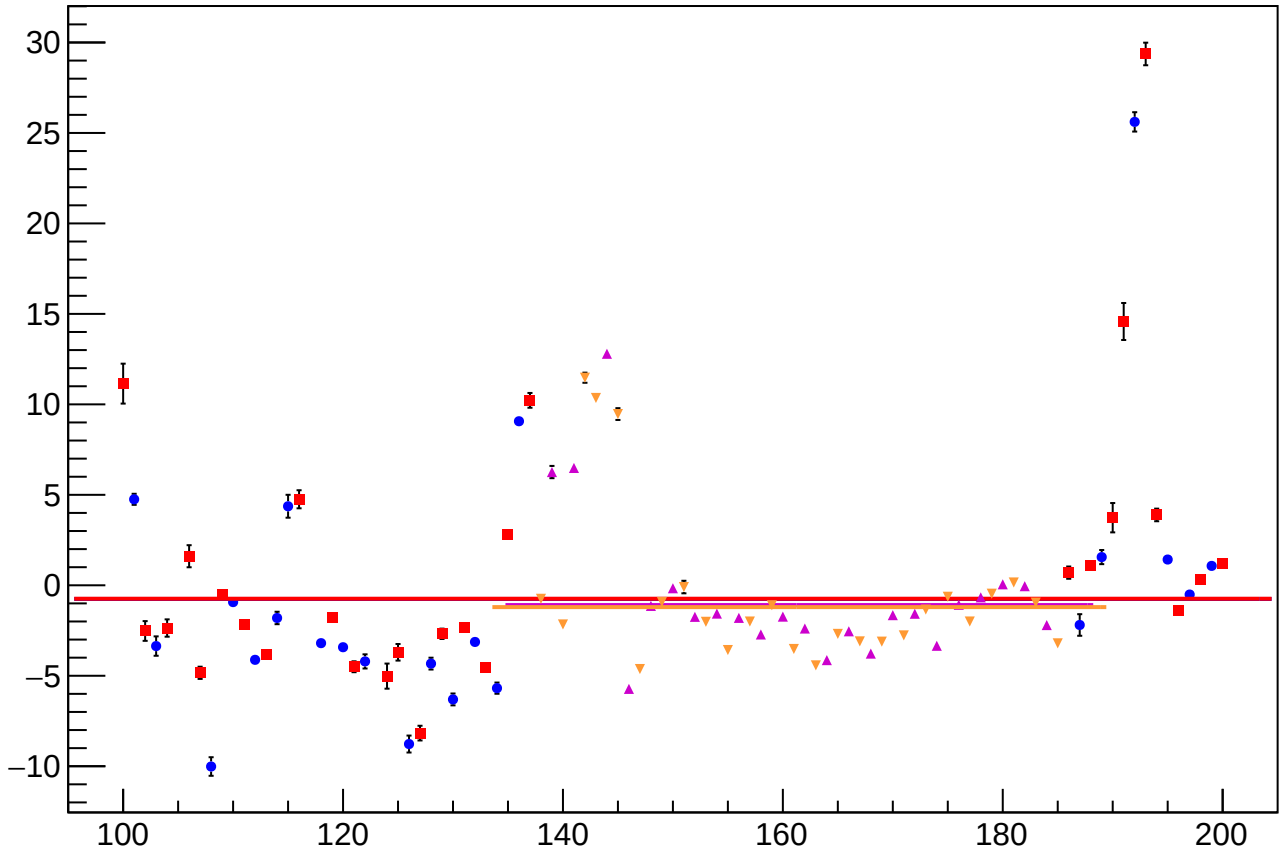
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 0.112+/-0.031 χ^2/NDF: 232189.5/49

In: -0.274+/-0.031 χ^2/NDF:244582.4/44

Out: -1.229+/-0.029 χ^2/NDF:289521.0/52

All: -0.780+/-0.021 χ^2/NDF: 534620.5/97



Right In: -0.756+/-0.060 χ^2/NDF: 7293.5/21

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

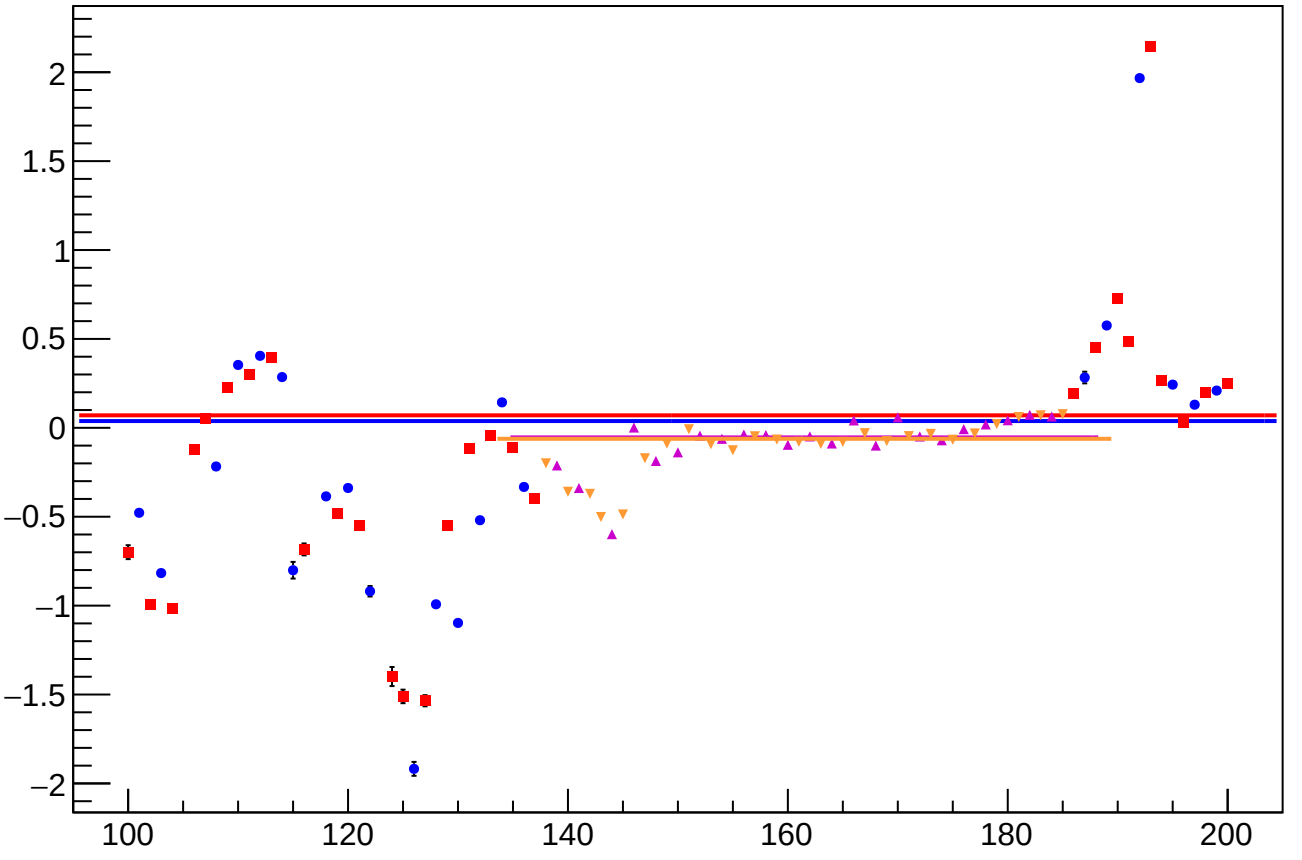
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.749+/-0.041 χ^2/NDF: 12866.8/49

In: -1.009+/-0.030 χ^2/NDF:14346.2/44

Out: -1.067+/-0.030 χ^2/NDF:12625.1/52

All: -1.038+/-0.021 χ^2/NDF: 26973.2/97



Right In: 0.038+/-0.003 χ^2/NDF: 33199.4/21

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

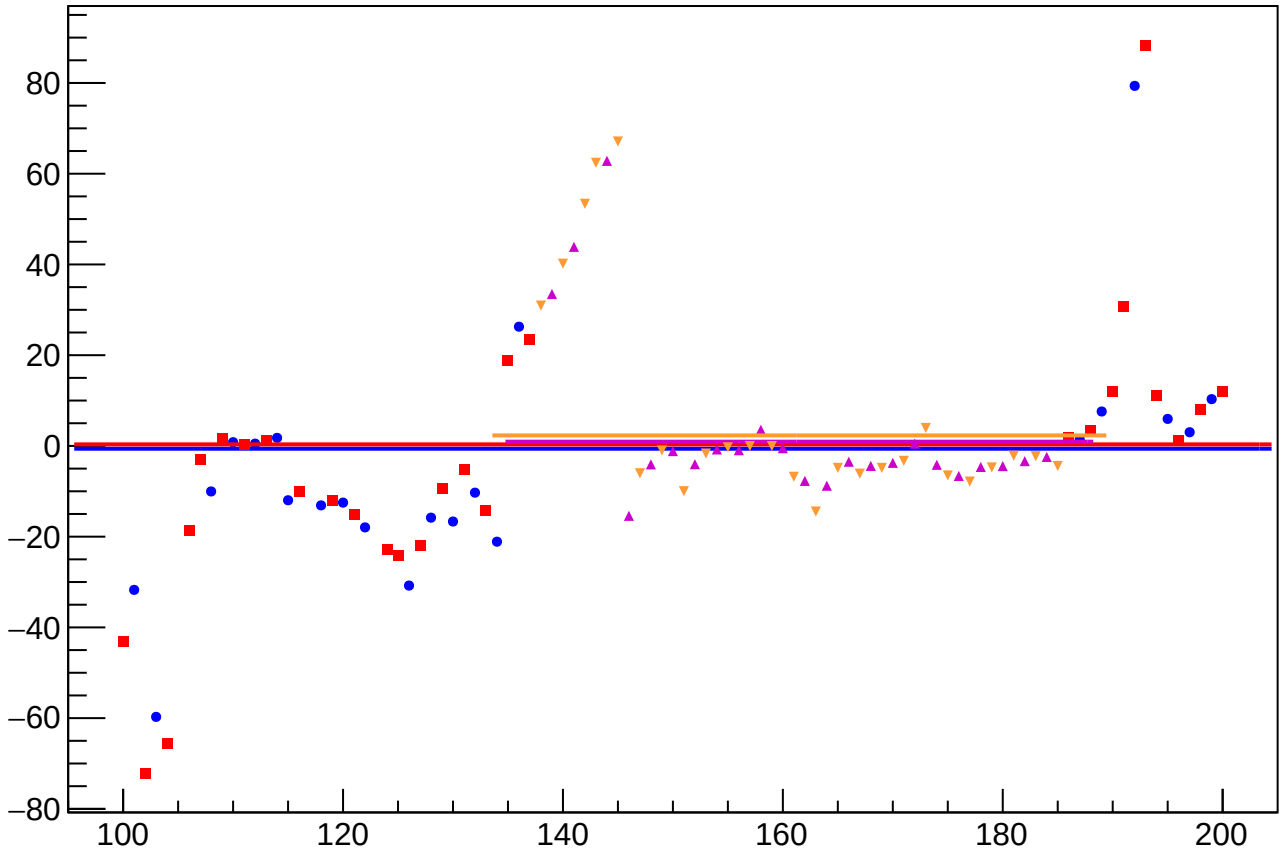
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.055+/-0.002 χ^2/NDF: 67155.4/49

In: -0.034+/-0.001 χ^2/NDF:39050.1/44

Out: -0.026+/-0.001 χ^2/NDF:41447.8/52

All: -0.030+/-0.001 χ^2/NDF: 80513.5/97



Right In: -0.613+/-0.046 χ^2/NDF: 115960.0/21

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

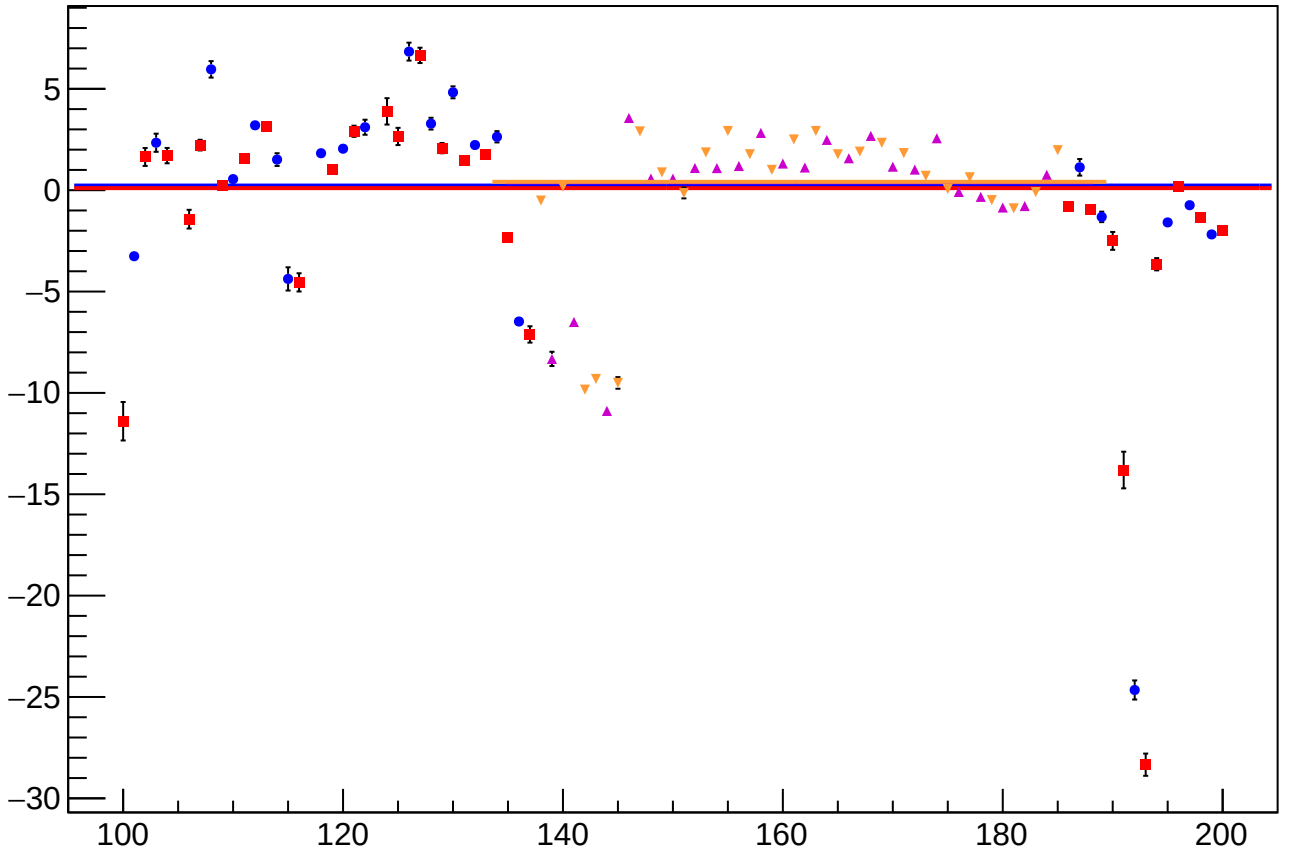
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -0.049+/-0.029 χ^2/NDF: 235363.5/49

In: 0.269+/-0.030 χ^2/NDF:249015.6/44

Out: 1.276+/-0.028 χ^2/NDF:297172.4/52

All: 0.815+/-0.020 χ^2/NDF: 546797.0/97



Right In: 0.229+/-0.051 χ^2/NDF: 5899.2/21

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

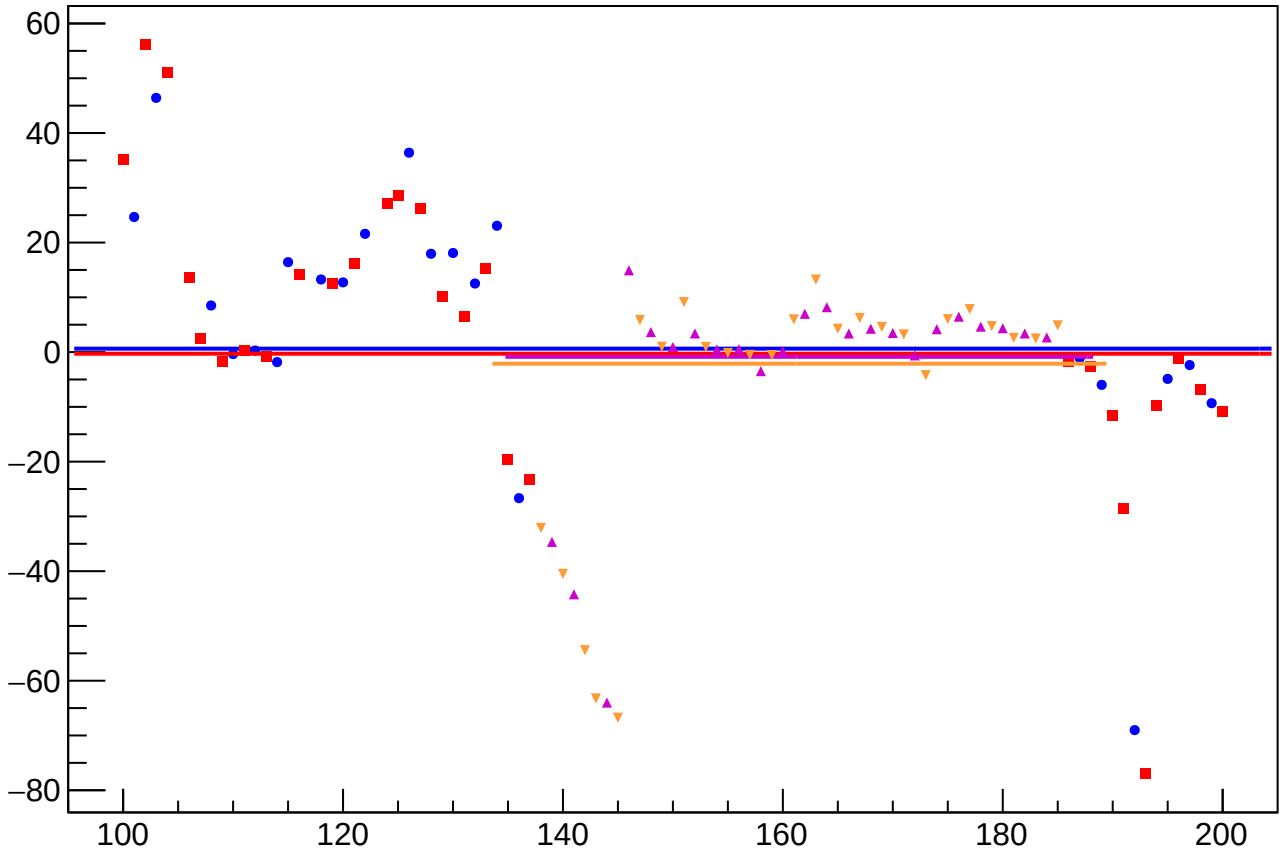
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.160+/-0.035 χ^2/NDF: 11094.3/49

In: 0.345+/-0.027 χ^2/NDF:13020.6/44

Out: 0.312+/-0.027 χ^2/NDF:12268.7/52

All: 0.328+/-0.019 χ^2/NDF: 25290.0/97



Right In: 0.630+/-0.048 χ^2/NDF: 115178.4/21

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

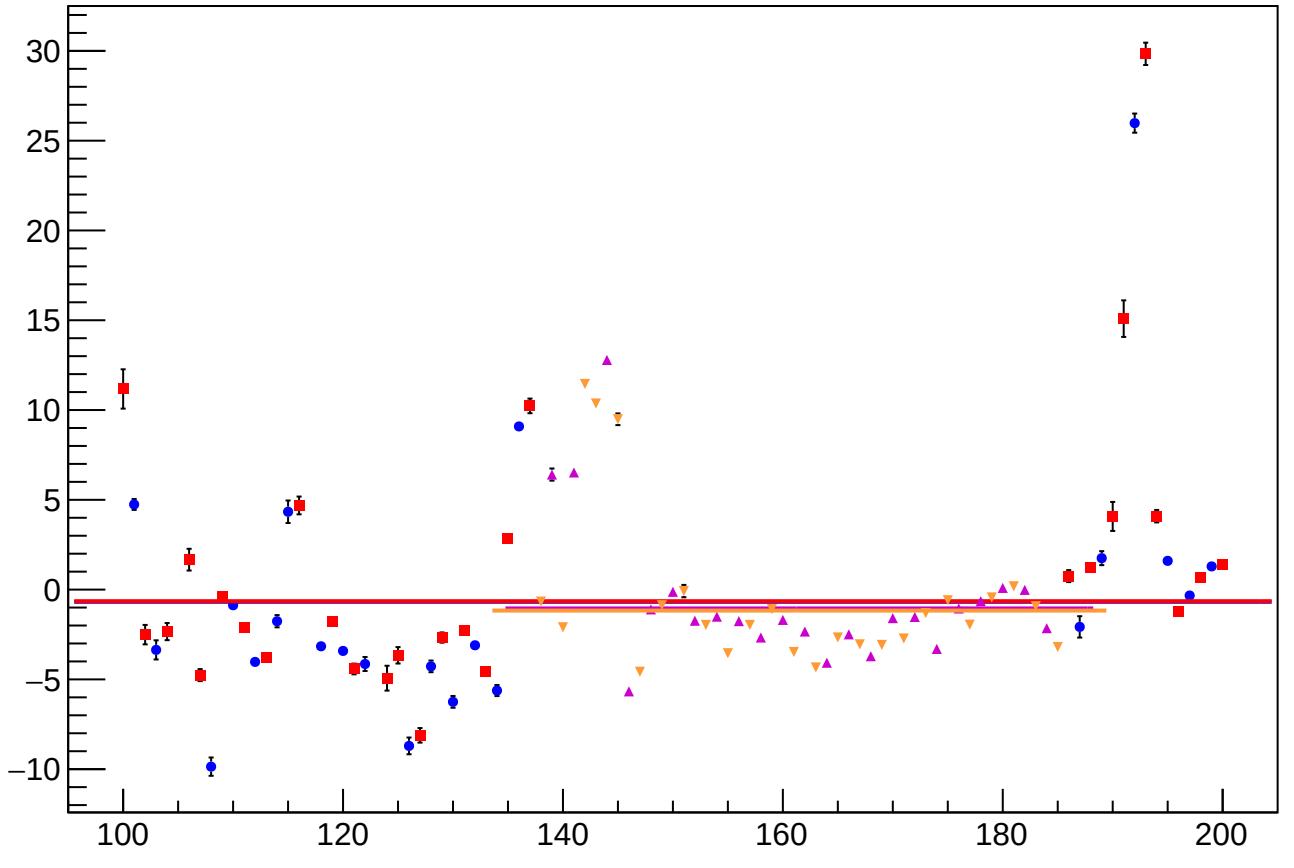
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 0.094+/-0.031 χ^2/NDF: 233055.9/49

In: -0.265+/-0.030 χ^2/NDF:244837.5/44

Out: -1.222+/-0.029 χ^2/NDF:289722.1/52

All: -0.773+/-0.021 χ^2/NDF: 535085.3/97



Right In: -0.677+/-0.060 χ^2/NDF: 7401.9/21

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

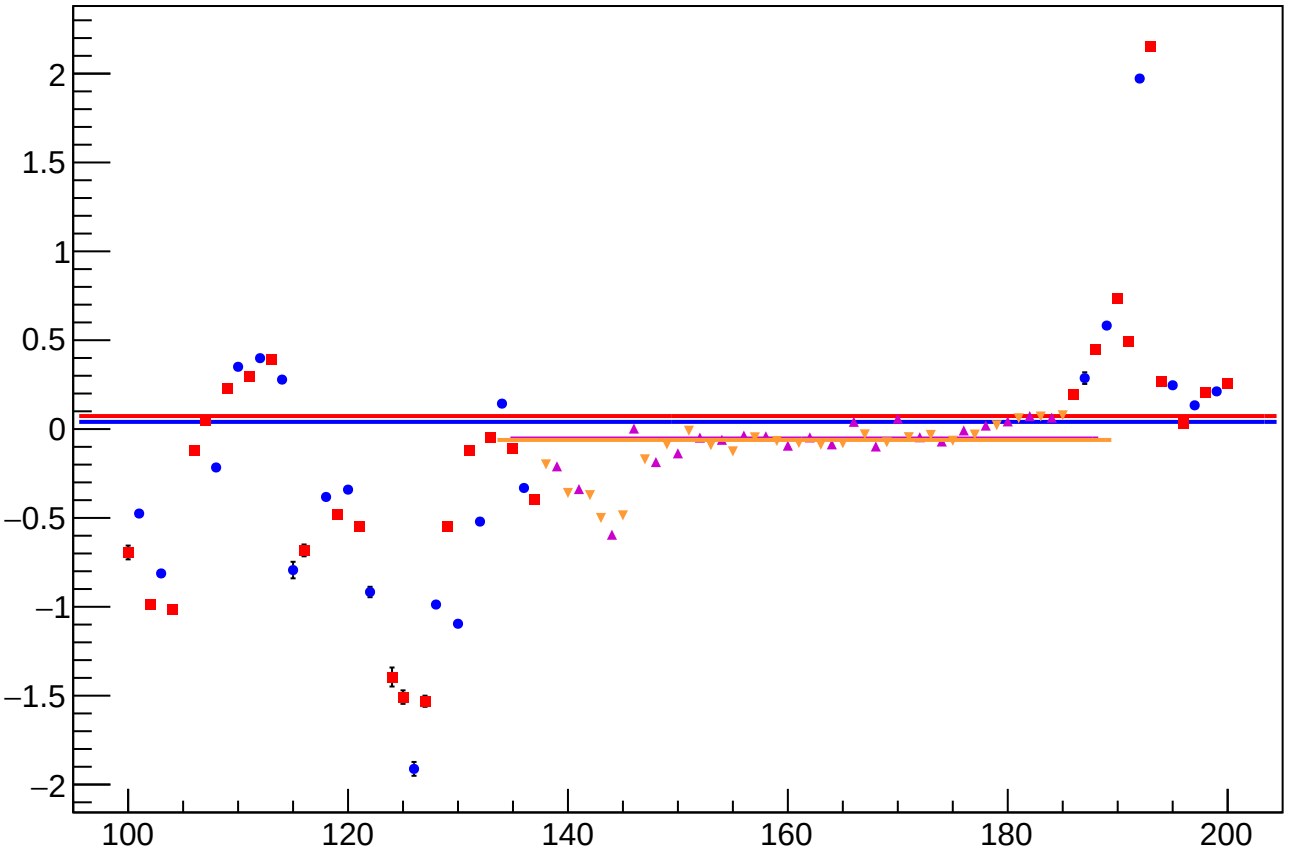
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.662+/-0.041 χ^2/NDF: 13129.2/49

In: -0.955+/-0.030 χ^2/NDF:14471.4/44

Out: -1.011+/-0.030 χ^2/NDF:12790.6/52

All: -0.983+/-0.021 χ^2/NDF: 27263.7/97



Right In: 0.040+/-0.003 χ^2/NDF: 33465.9/21

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

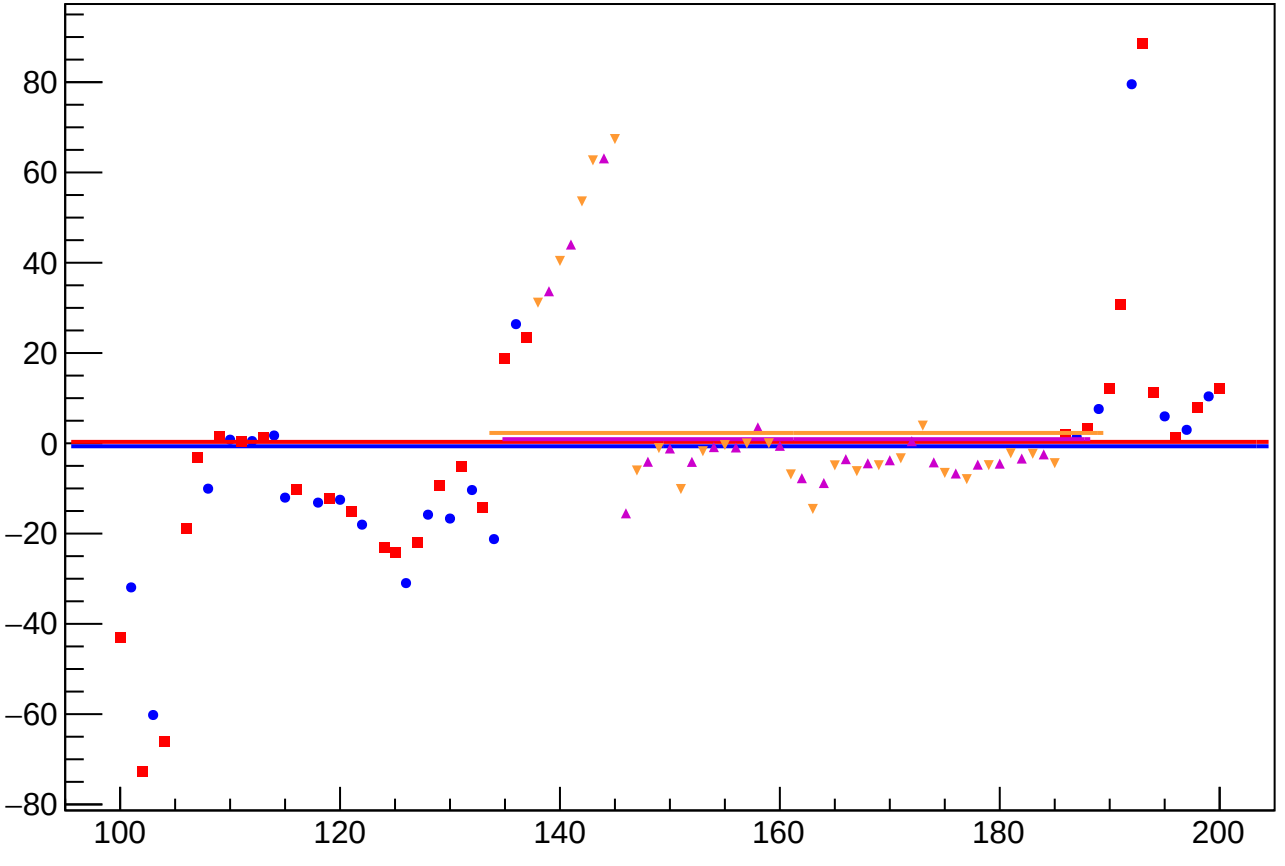
Right: 0.058+/-0.002 χ^2/NDF: 67735.8/49

In: -0.033+/-0.001 χ^2/NDF:39327.2/44

Out: -0.025+/-0.001 χ^2/NDF:41863.1/52

All: -0.029+/-0.001 χ^2/NDF: 81206.1/97

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.661+/-0.046 χ^2/NDF: 115953.7/21

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

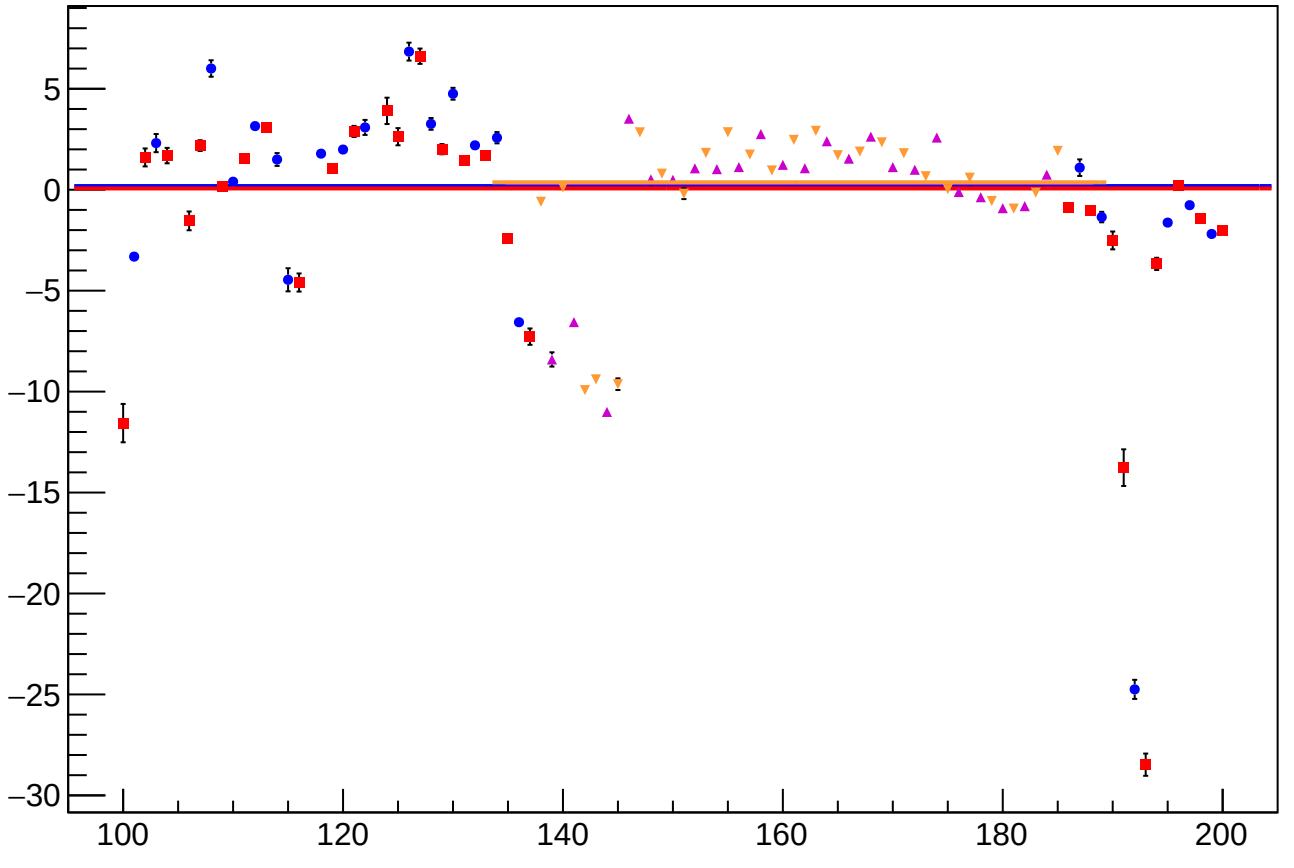
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -0.082+/-0.029 χ^2/NDF: 235398.4/49

In: 0.238+/-0.030 χ^2/NDF:249191.6/44

Out: 1.254+/-0.028 χ^2/NDF:297635.6/52

All: 0.789+/-0.020 χ^2/NDF: 547441.2/97



Right In: 0.182+/-0.051 χ^2/NDF: 5883.5/21

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

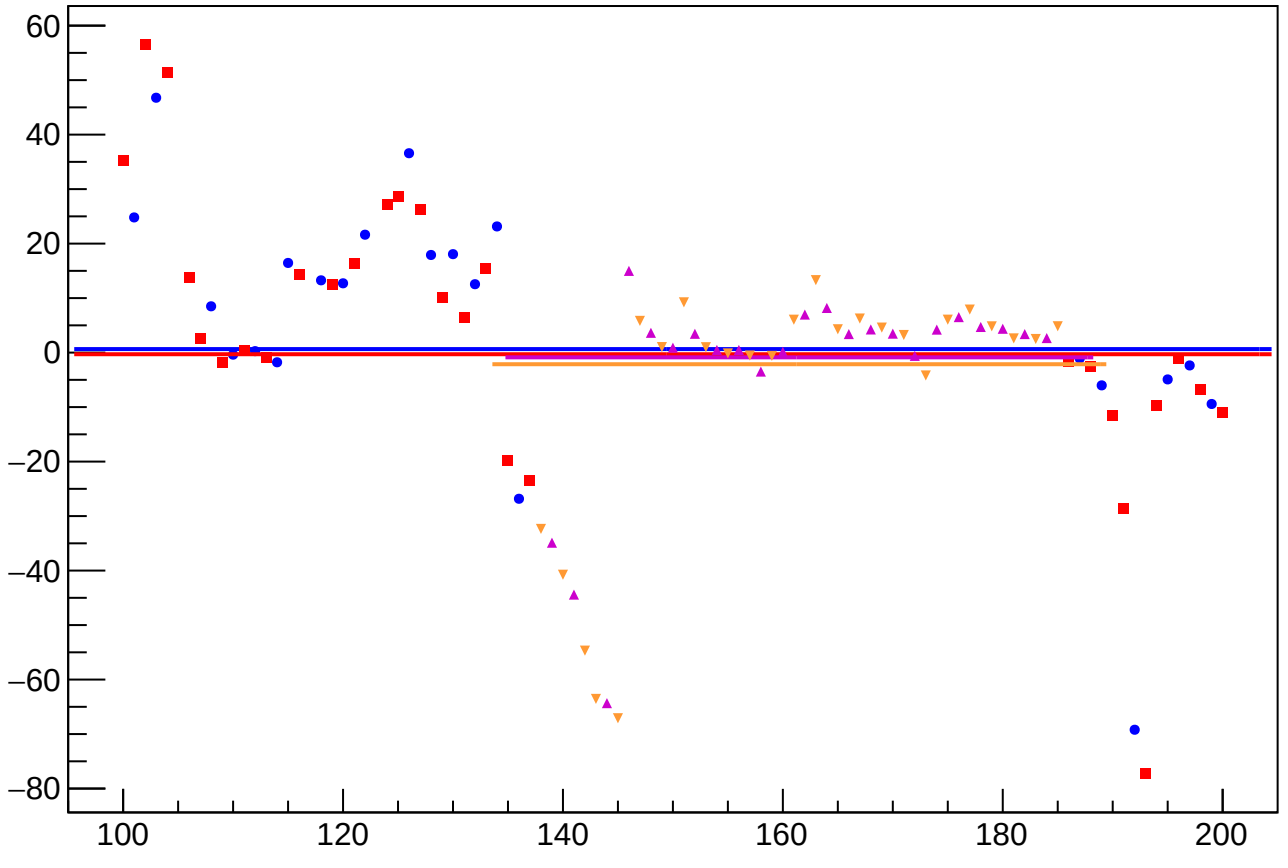
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.117+/-0.035 χ^2/NDF: 11076.0/49

In: 0.294+/-0.027 χ^2/NDF:12984.4/44

Out: 0.268+/-0.027 χ^2/NDF:12285.7/52

All: 0.281+/-0.019 χ^2/NDF: 25270.5/97



Right In: 0.646+/-0.048 χ^2/NDF: 115186.5/21

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

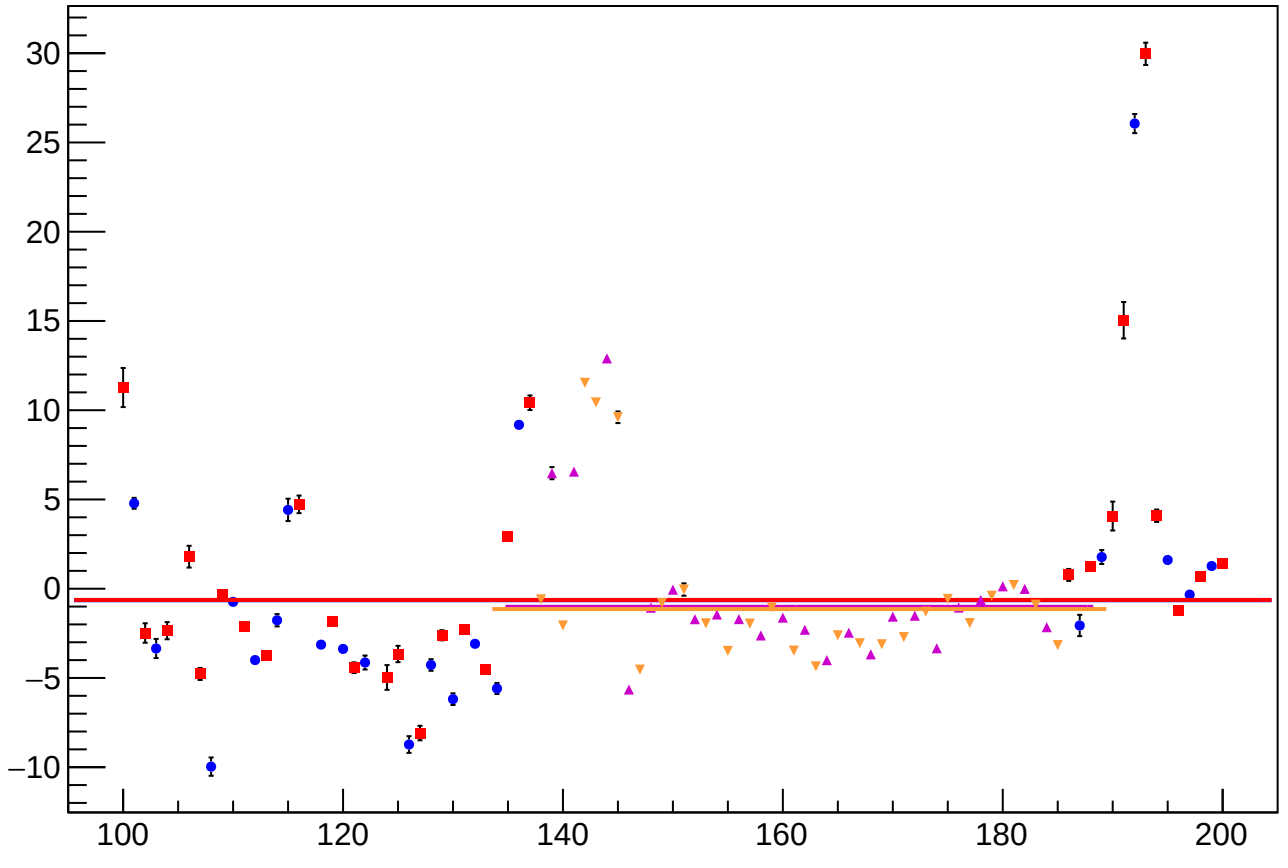
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 0.096+/-0.031 χ^2/NDF: 233126.8/49

In: -0.268+/-0.031 χ^2/NDF:245040.8/44

Out: -1.232+/-0.029 χ^2/NDF:290203.6/52

All: -0.779+/-0.021 χ^2/NDF: 535772.9/97



Right In: -0.646+/-0.060 χ^2/NDF: 7394.4/21

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

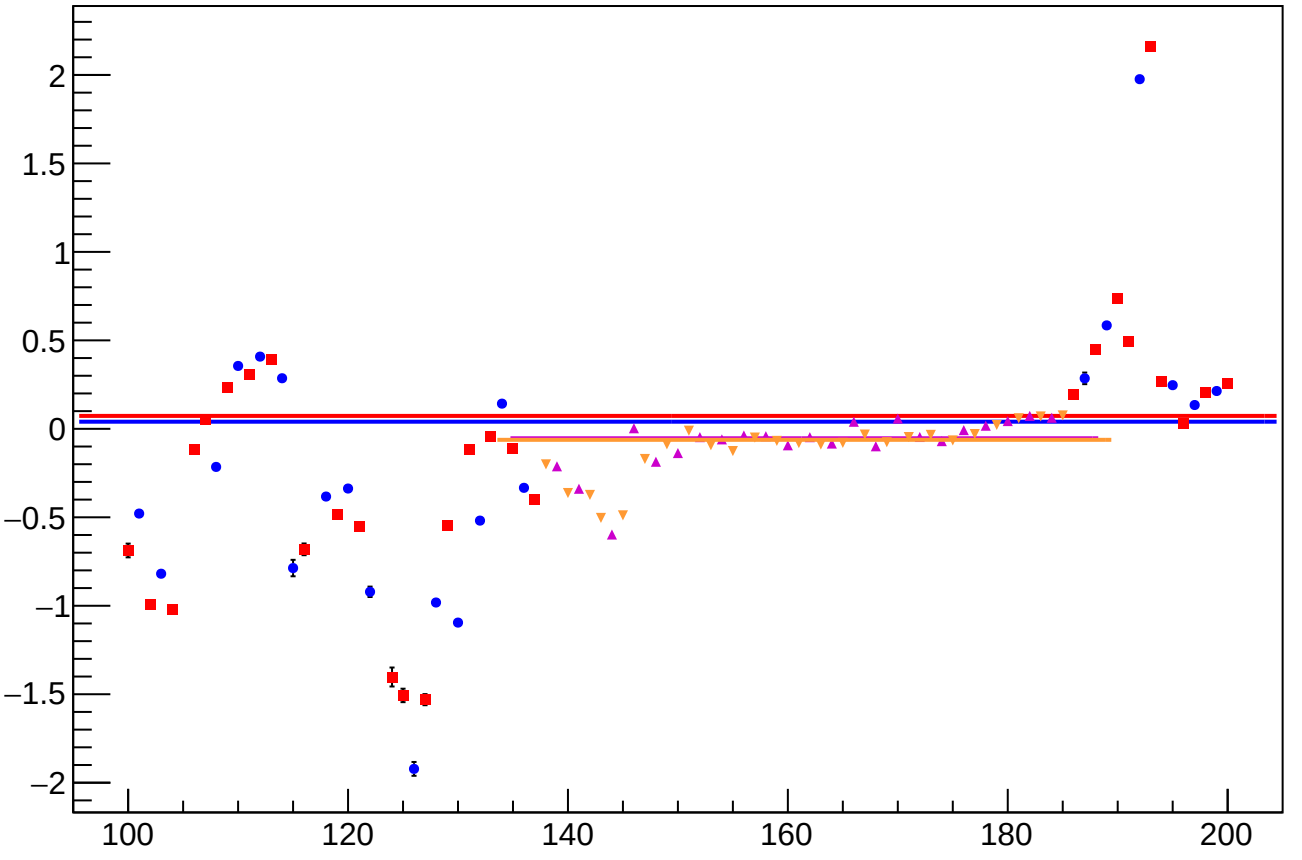
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.636+/-0.041 χ^2/NDF: 13130.6/49

In: -0.921+/-0.030 χ^2/NDF:14449.5/44

Out: -0.985+/-0.030 χ^2/NDF:12819.0/52

All: -0.953+/-0.021 χ^2/NDF: 27270.7/97



Right In: 0.040+/-0.003 χ^2/NDF: 33458.9/21

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

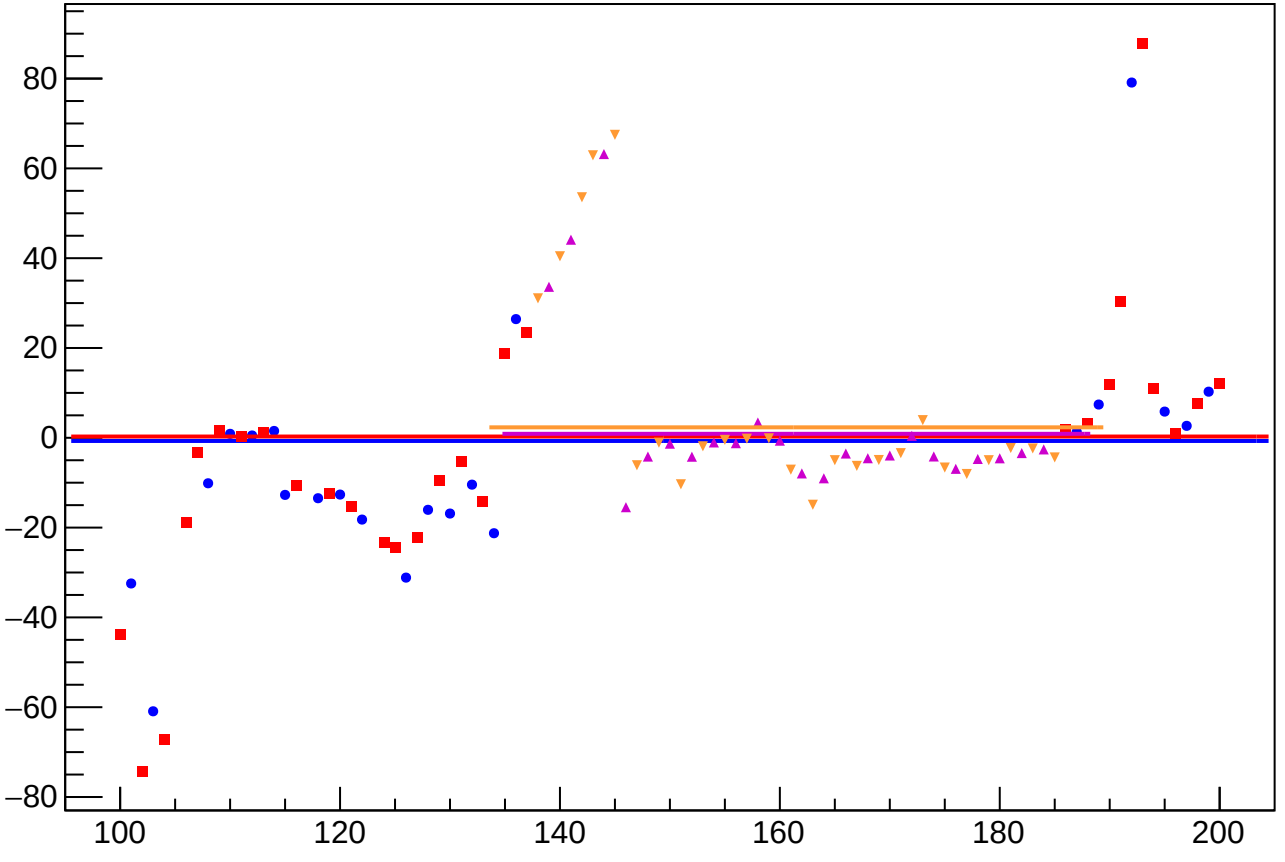
Right: 0.058+/-0.002 χ^2/NDF: 67686.9/49

In: -0.033+/-0.001 χ^2/NDF:39299.6/44

Out: -0.026+/-0.001 χ^2/NDF:41831.3/52

All: -0.030+/-0.001 χ^2/NDF: 81144.7/97

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.705+/-0.047 χ^2/NDF: 114135.6/21

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

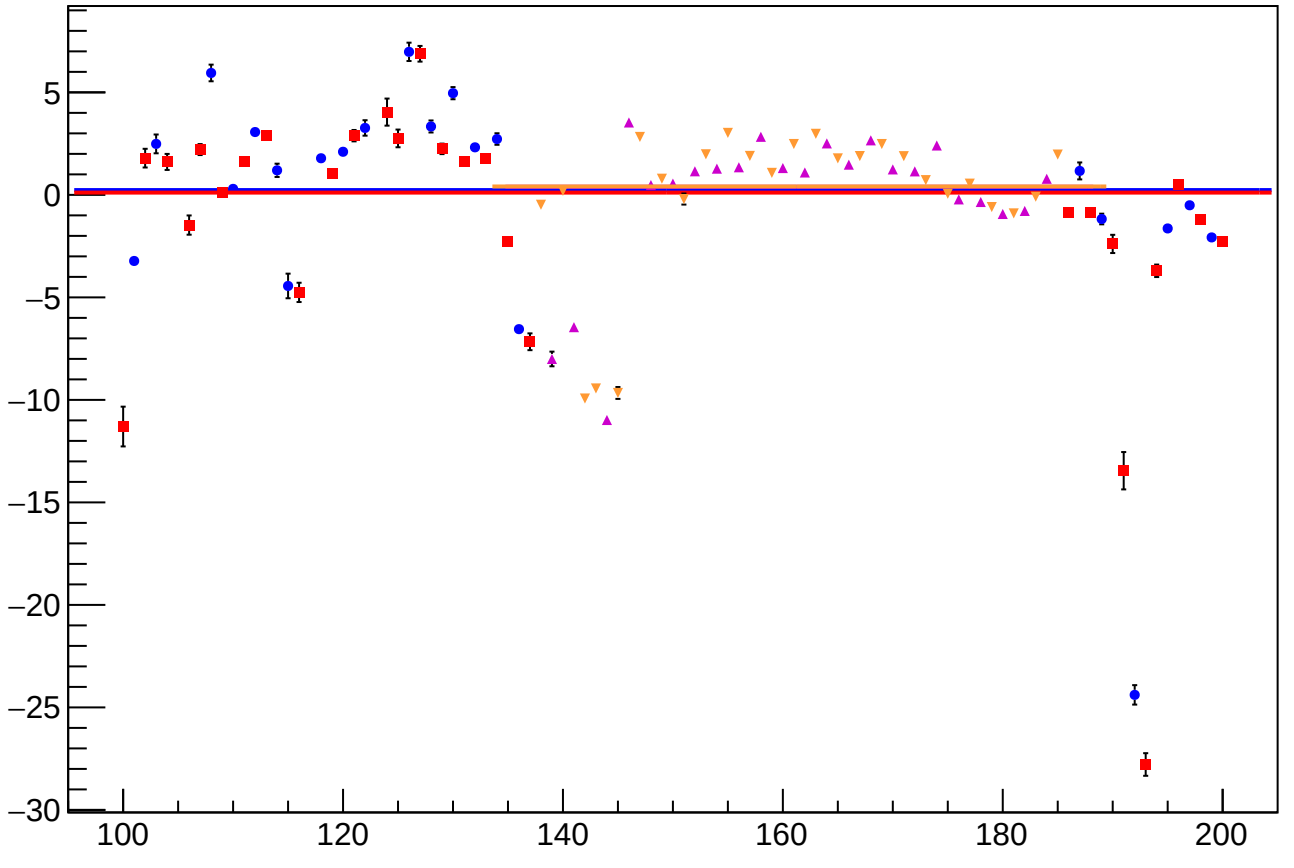
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -0.122+/-0.030 χ^2/NDF: 231965.5/49

In: 0.201+/-0.031 χ^2/NDF:245210.6/44

Out: 1.250+/-0.028 χ^2/NDF:293524.0/52

All: 0.770+/-0.021 χ^2/NDF: 539365.9/97



Right In: 0.234+/-0.052 χ^2/NDF: 5719.9/21

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

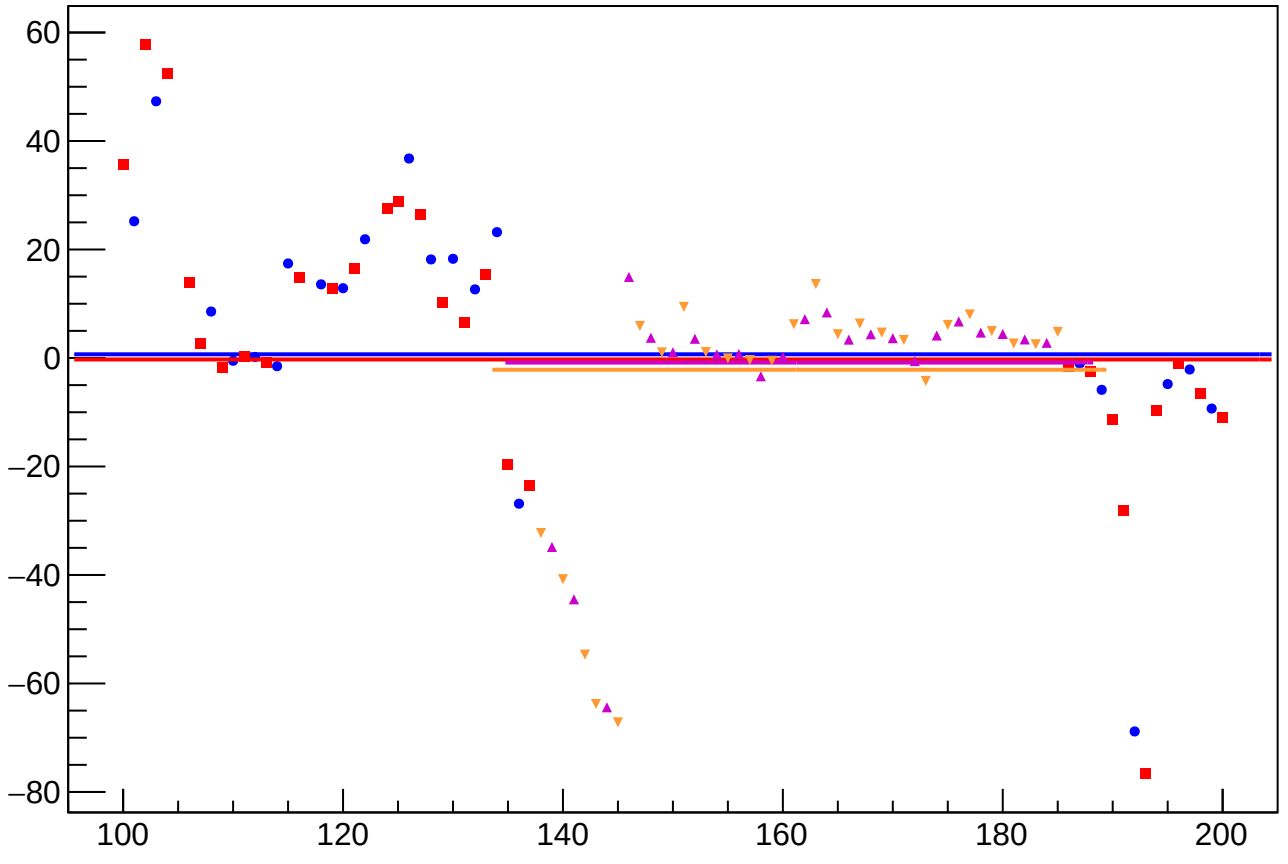
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.167+/-0.035 χ^2/NDF: 10711.4/49

In: 0.352+/-0.027 χ^2/NDF:12658.9/44

Out: 0.312+/-0.027 χ^2/NDF:12062.6/52

All: 0.332+/-0.019 χ^2/NDF: 24722.5/97



Right In: 0.681+/-0.049 χ^2/NDF: 113401.3/21

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

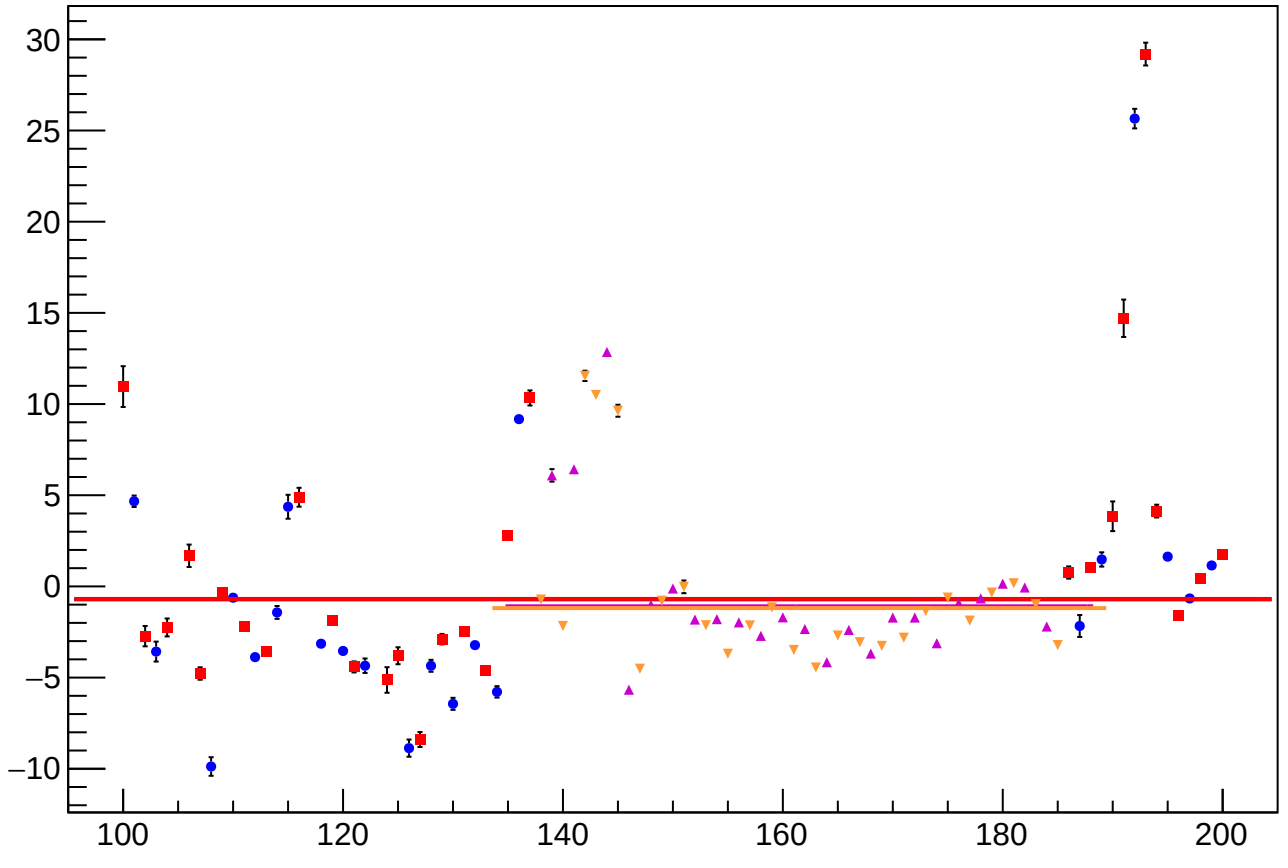
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 0.125+/-0.032 χ^2/NDF: 229738.2/49

In: -0.231+/-0.031 χ^2/NDF:241114.0/44

Out: -1.228+/-0.029 χ^2/NDF:286155.8/52

All: -0.761+/-0.021 χ^2/NDF: 527816.8/97



Right In: -0.707+/-0.061 χ^2/NDF: 7232.5/21

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

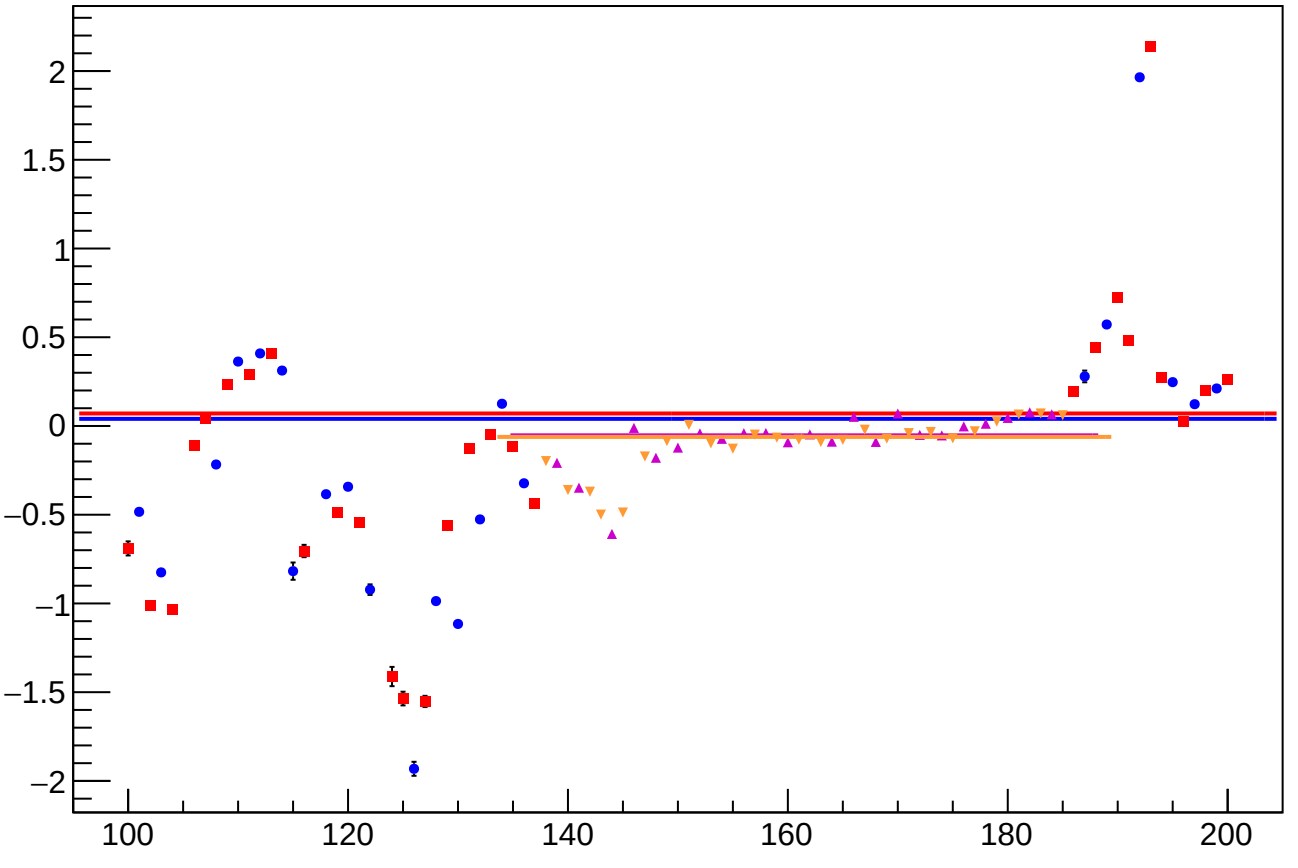
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.696+/-0.041 χ^2/NDF: 12773.8/49

In: -0.993+/-0.031 χ^2/NDF:14102.4/44

Out: -1.038+/-0.031 χ^2/NDF:12593.3/52

All: -1.015+/-0.022 χ^2/NDF: 26696.8/97



Right In: 0.040+/-0.003 χ^2/NDF: 32733.8/21

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

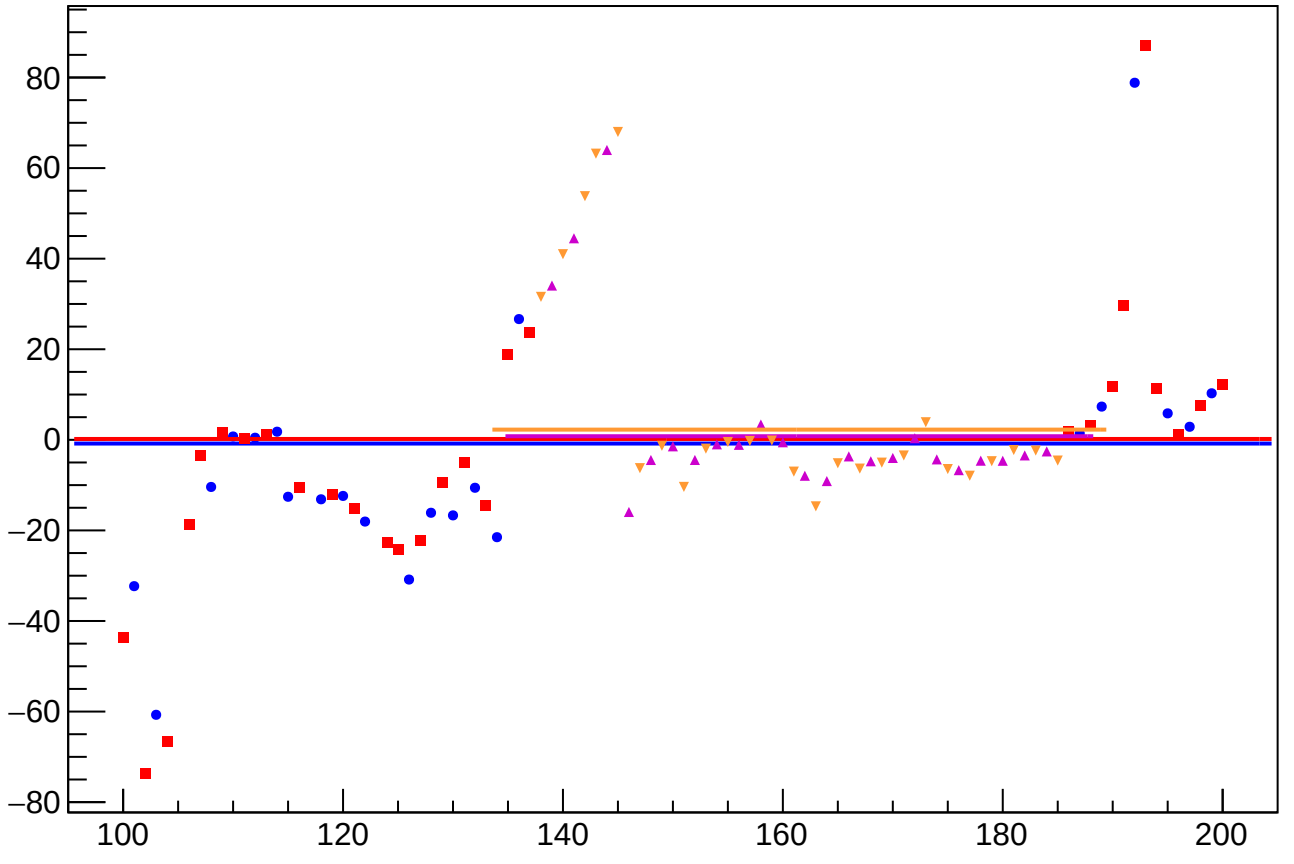
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.057+/-0.002 χ^2/NDF: 66506.3/49

In: -0.032+/-0.001 χ^2/NDF:38584.5/44

Out: -0.026+/-0.001 χ^2/NDF:41076.3/52

All: -0.029+/-0.001 χ^2/NDF: 79671.7/97



Right In: -0.820+/-0.048 χ^2/NDF: 112429.7/21

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

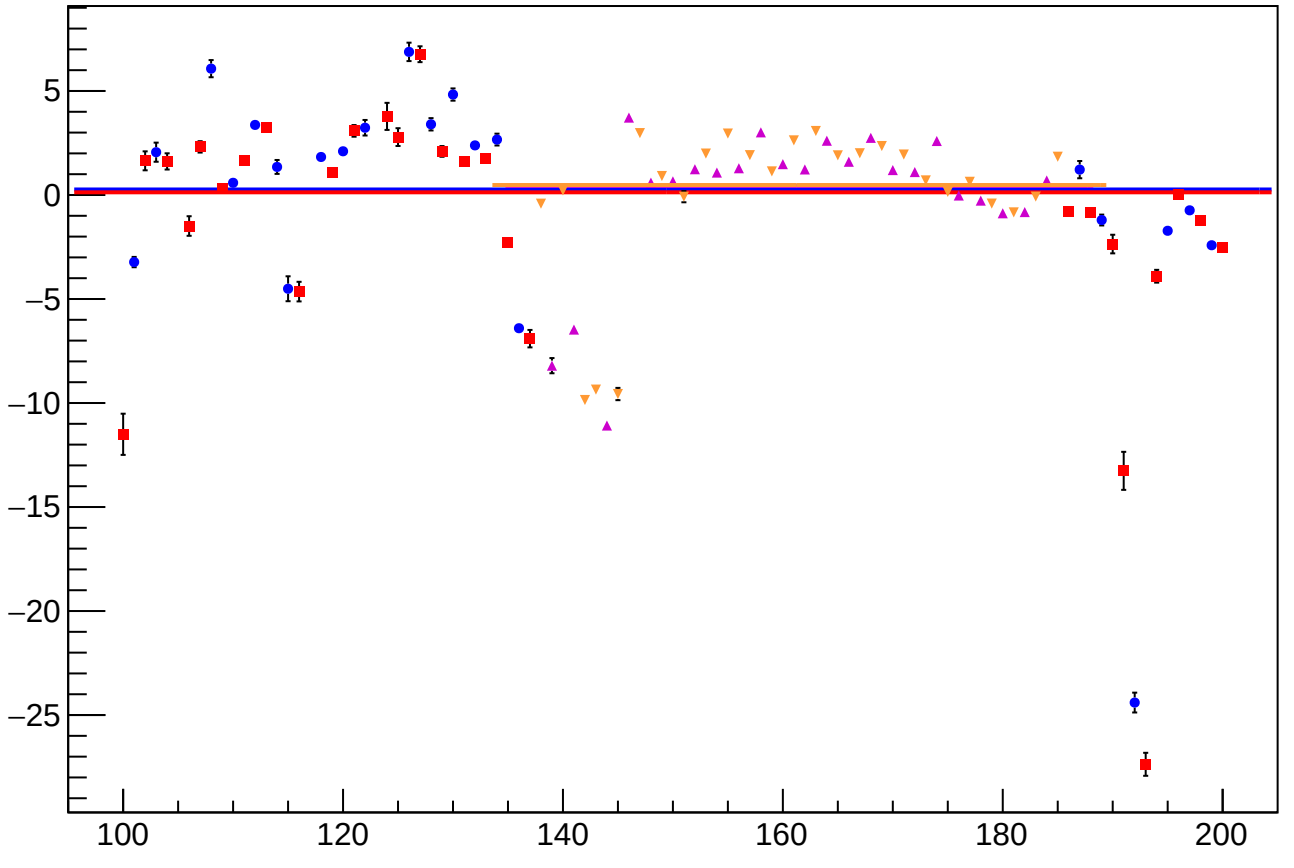
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -0.225+/-0.031 χ^2/NDF: 228078.1/49

In: 0.103+/-0.031 χ^2/NDF:241915.6/44

Out: 1.179+/-0.029 χ^2/NDF:288344.2/52

All: 0.685+/-0.021 χ^2/NDF: 530904.5/97



Right In: 0.265+/-0.053 χ^2/NDF: 5690.6/21

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

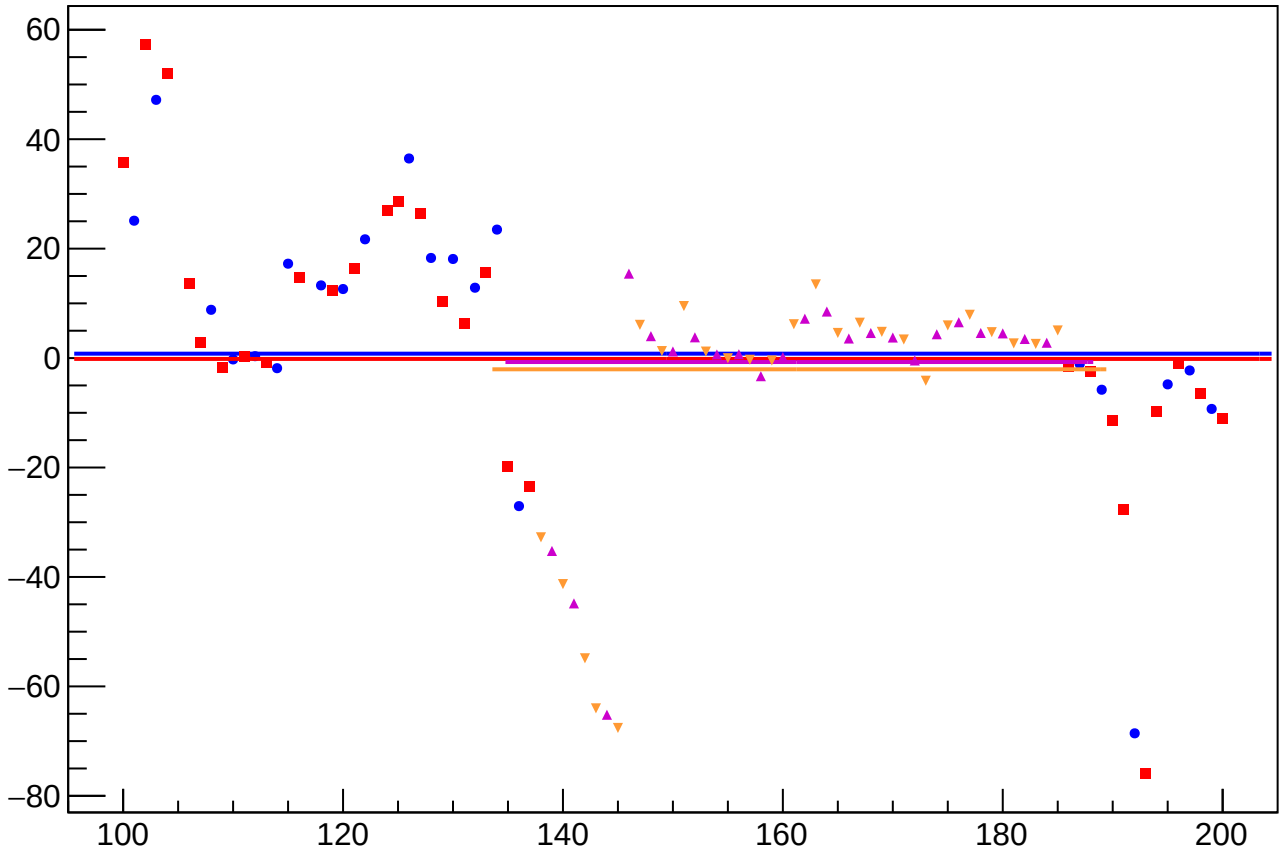
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.191+/-0.036 χ^2/NDF: 10596.9/49

In: 0.392+/-0.028 χ^2/NDF:12592.4/44

Out: 0.364+/-0.028 χ^2/NDF:11745.8/52

All: 0.378+/-0.020 χ^2/NDF: 24338.7/97



Right In: 0.806+/-0.050 χ^2/NDF: 111694.4/21

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

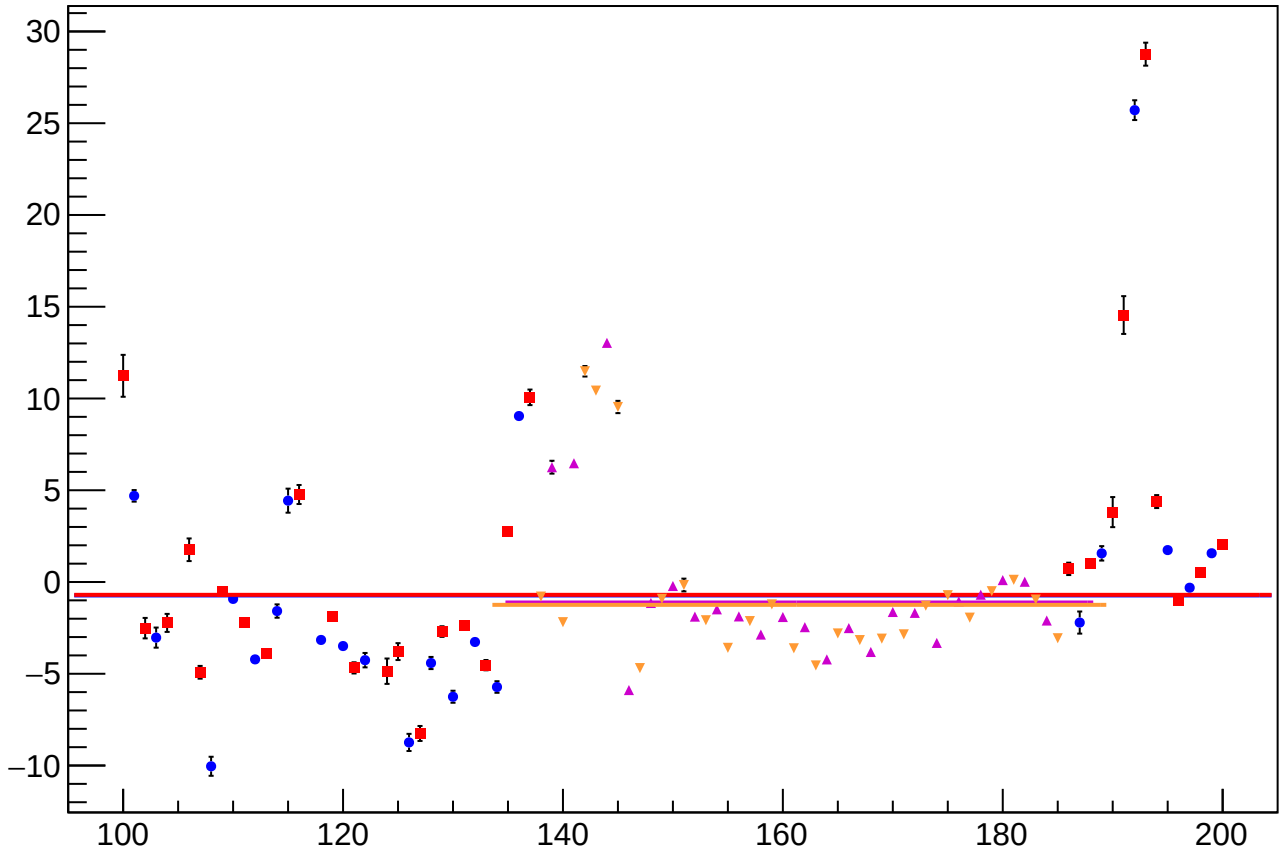
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 0.249+/-0.032 χ^2/NDF: 225865.9/49

In: -0.110+/-0.031 χ^2/NDF:237791.4/44

Out: -1.119+/-0.030 χ^2/NDF:280994.3/52

All: -0.645+/-0.022 χ^2/NDF: 519332.5/97



Right In: -0.733+/-0.062 χ^2/NDF: 7116.6/21

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

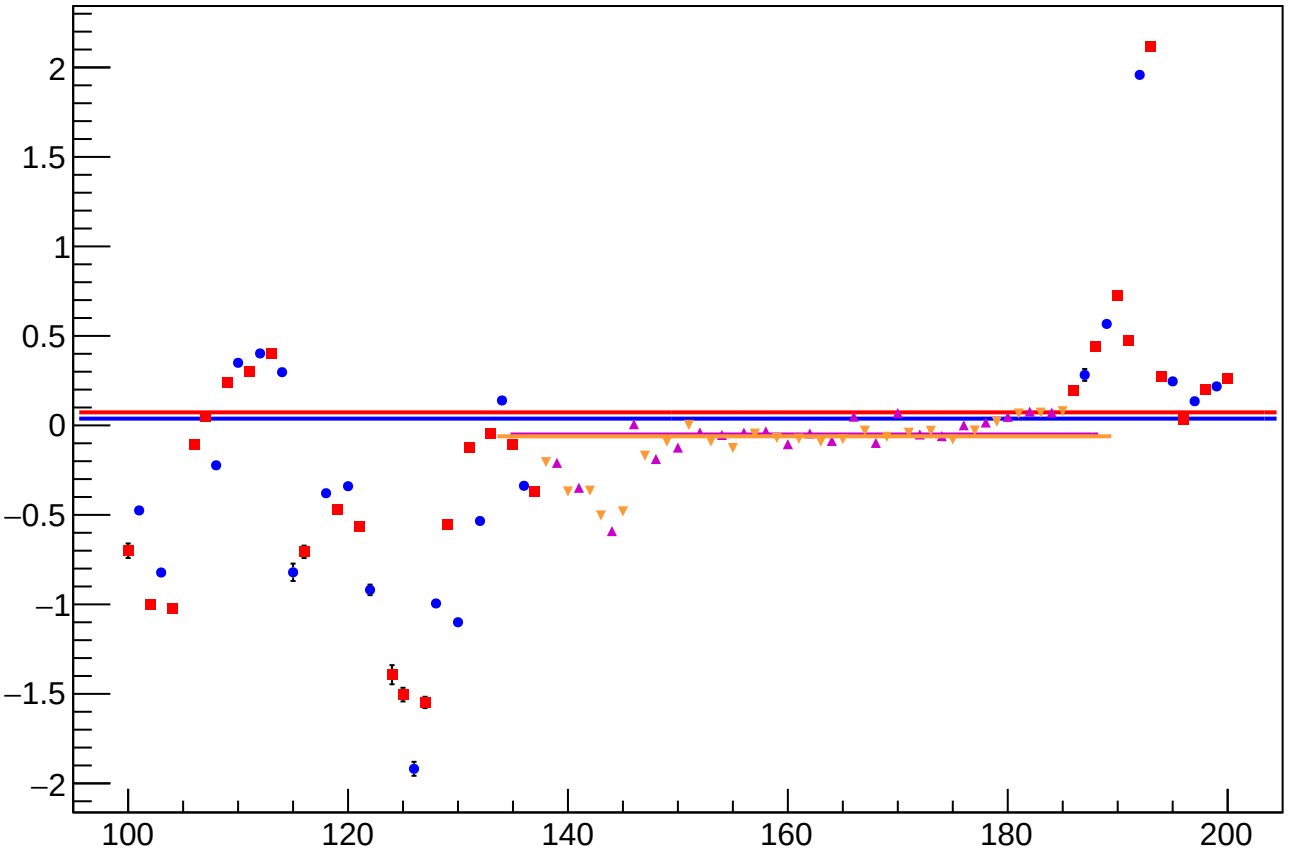
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.714+/-0.042 χ^2/NDF: 12525.8/49

In: -1.020+/-0.031 χ^2/NDF:13985.8/44

Out: -1.080+/-0.031 χ^2/NDF:12241.8/52

All: -1.050+/-0.022 χ^2/NDF: 26229.5/97



Right In: 0.038+/-0.003 χ^2/NDF: 32361.7/21

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

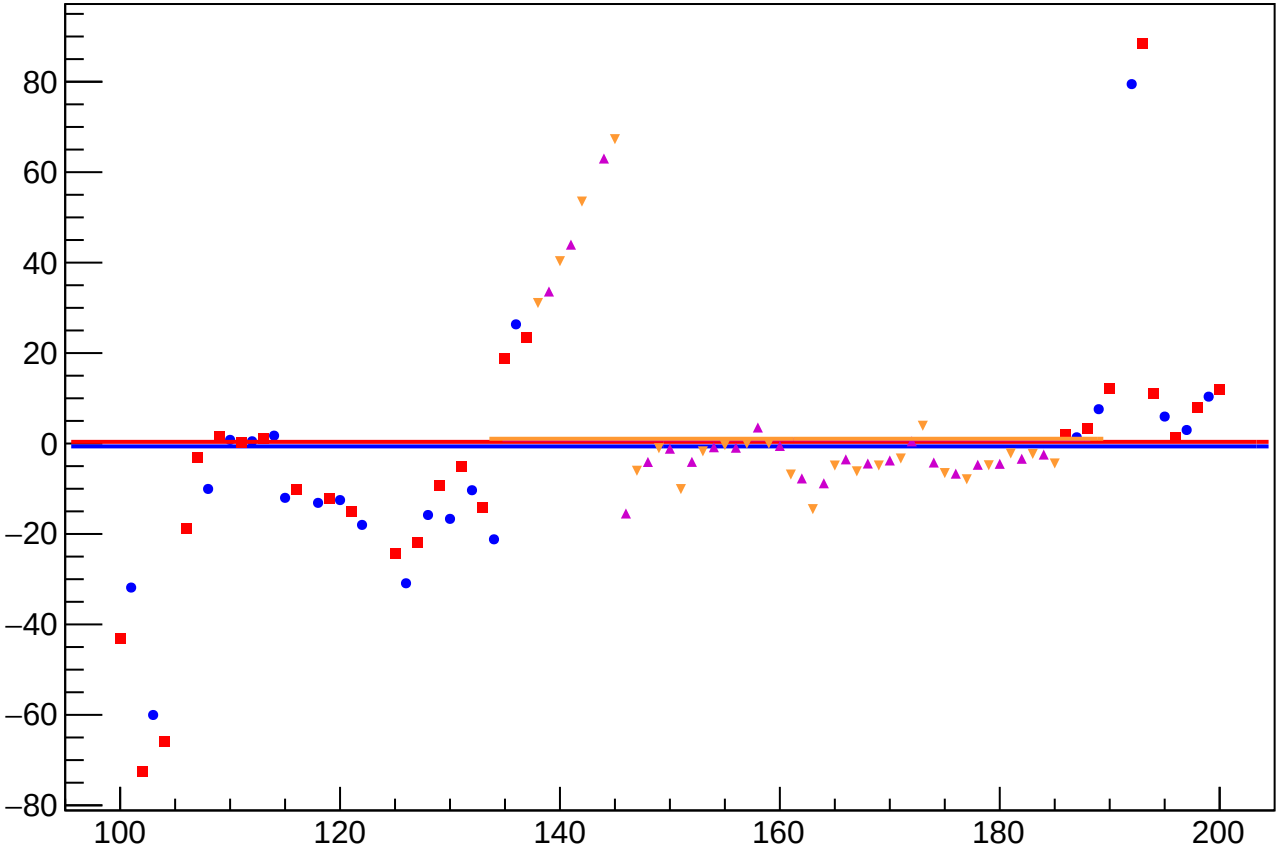
Right: 0.057+/-0.002 χ^2/NDF: 65260.8/49

In: -0.031+/-0.001 χ^2/NDF:37961.6/44

Out: -0.025+/-0.001 χ^2/NDF:40097.2/52

All: -0.028+/-0.001 χ^2/NDF: 78068.7/97

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.637+/-0.046 χ^2/NDF: 116168.2/21

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

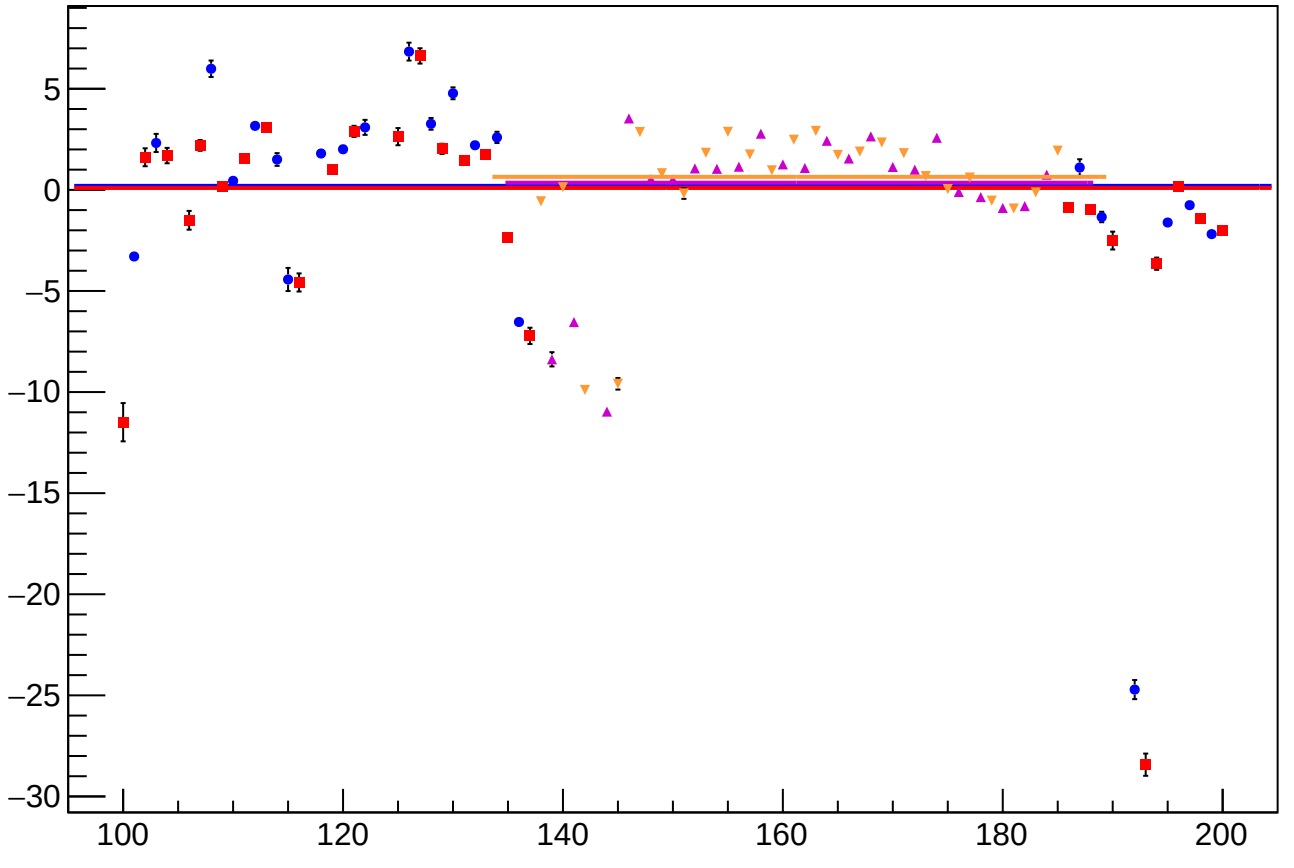
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: -0.042+/-0.029 χ^2/NDF: 232960.6/47

In: 0.247+/-0.030 χ^2/NDF:249625.9/44

Out: 0.691+/-0.028 χ^2/NDF:247689.3/49

All: 0.487+/-0.020 χ^2/NDF: 497432.5/94



Right In: 0.197+/-0.051 χ^2/NDF: 5899.8/21

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

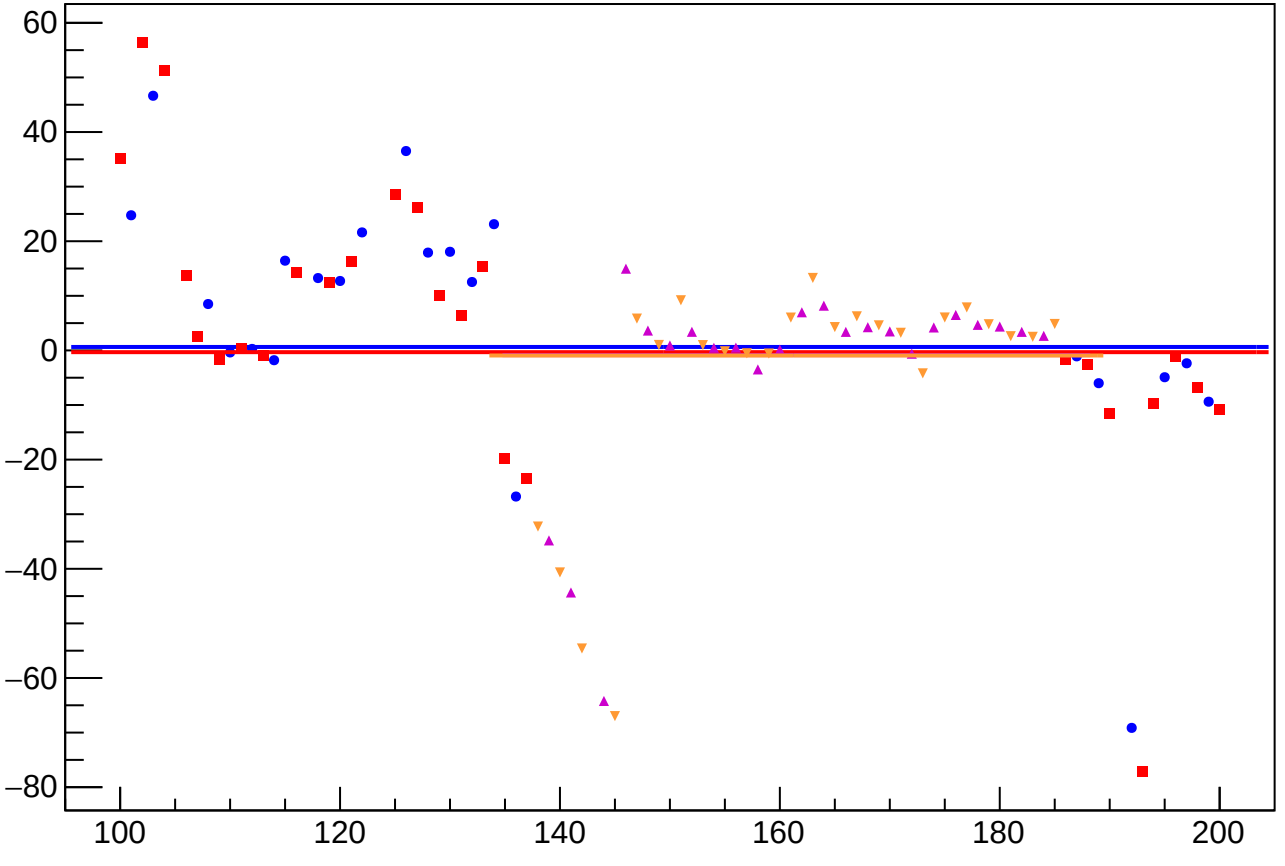
Right: 0.142+/-0.035 χ^2/NDF: 10833.2/47

In: 0.312+/-0.027 χ^2/NDF:13023.7/44

Out: 0.462+/-0.027 χ^2/NDF:9732.9/49

All: 0.386+/-0.019 χ^2/NDF: 22772.1/94

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.634+/-0.048 χ^2/NDF: 115394.8/21

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

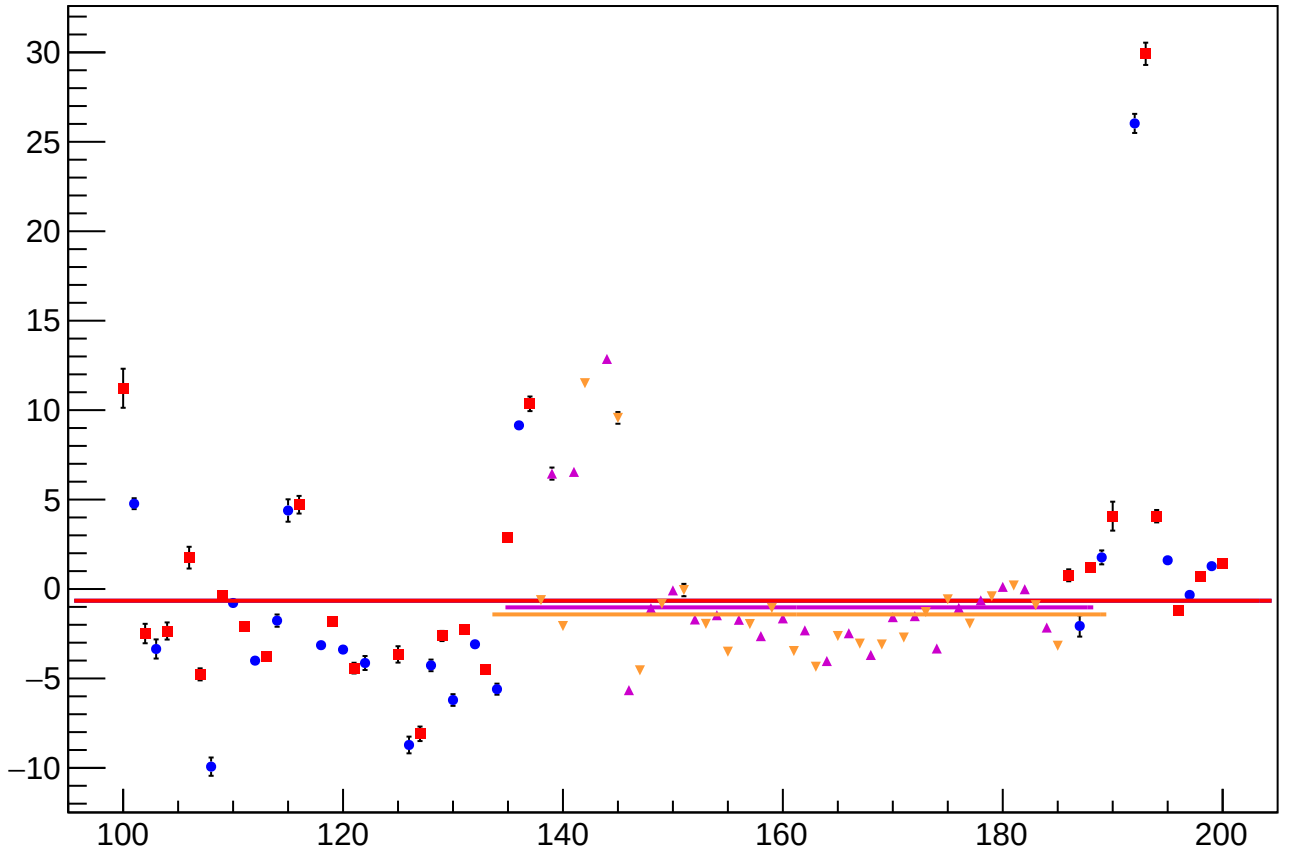
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: 0.080+/-0.031 χ^2/NDF: 230753.0/47

In: -0.266+/-0.030 χ^2/NDF:245457.0/44

Out: -0.627+/-0.029 χ^2/NDF:241622.2/49

All: -0.456+/-0.021 χ^2/NDF: 487153.7/94



Right In: -0.656+/-0.060 χ^2/NDF: 7412.2/21

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

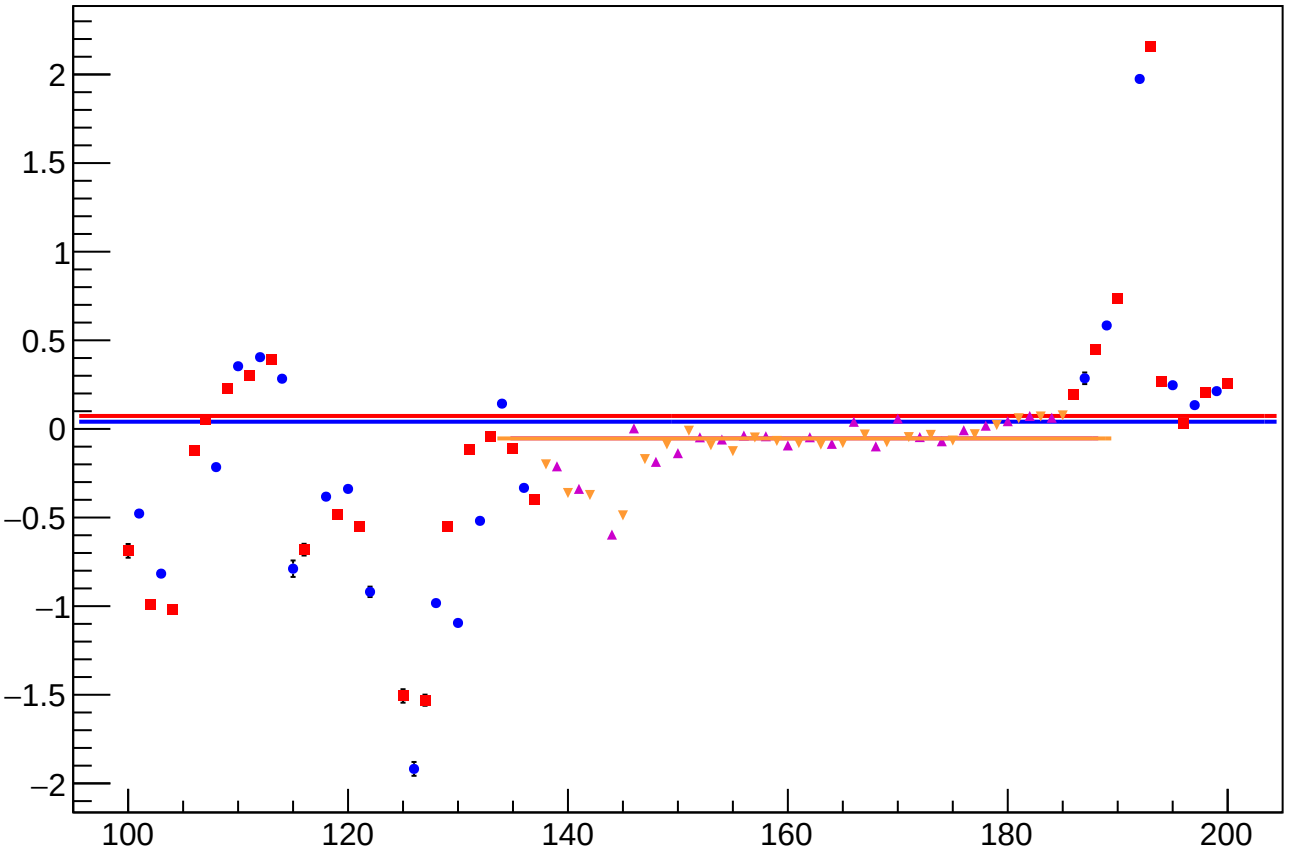
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.655+/-0.041 χ^2/NDF: 12881.0/47

In: -0.933+/-0.030 χ^2/NDF:14487.8/44

Out: -1.187+/-0.031 χ^2/NDF:10244.2/49

All: -1.058+/-0.021 χ^2/NDF: 24766.9/94



Right In: 0.041+/-0.003 χ^2/NDF: 33520.3/21

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

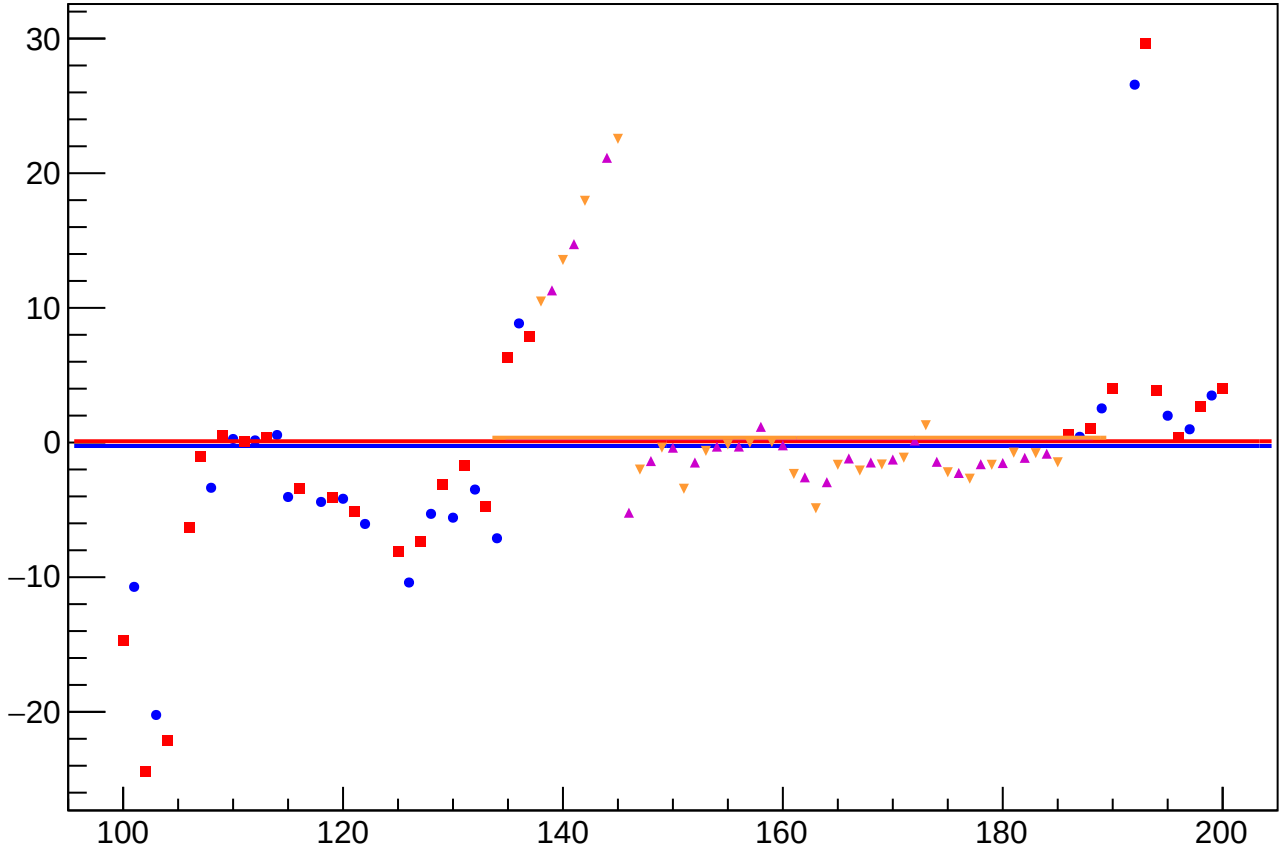
Right: 0.058+/-0.002 χ^2/NDF: 66837.4/47

In: -0.033+/-0.001 χ^2/NDF:39388.4/44

Out: -0.020+/-0.001 χ^2/NDF:39286.1/49

All: -0.026+/-0.001 χ^2/NDF: 78723.1/94

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.016 χ^2/NDF: 114107.2/21

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

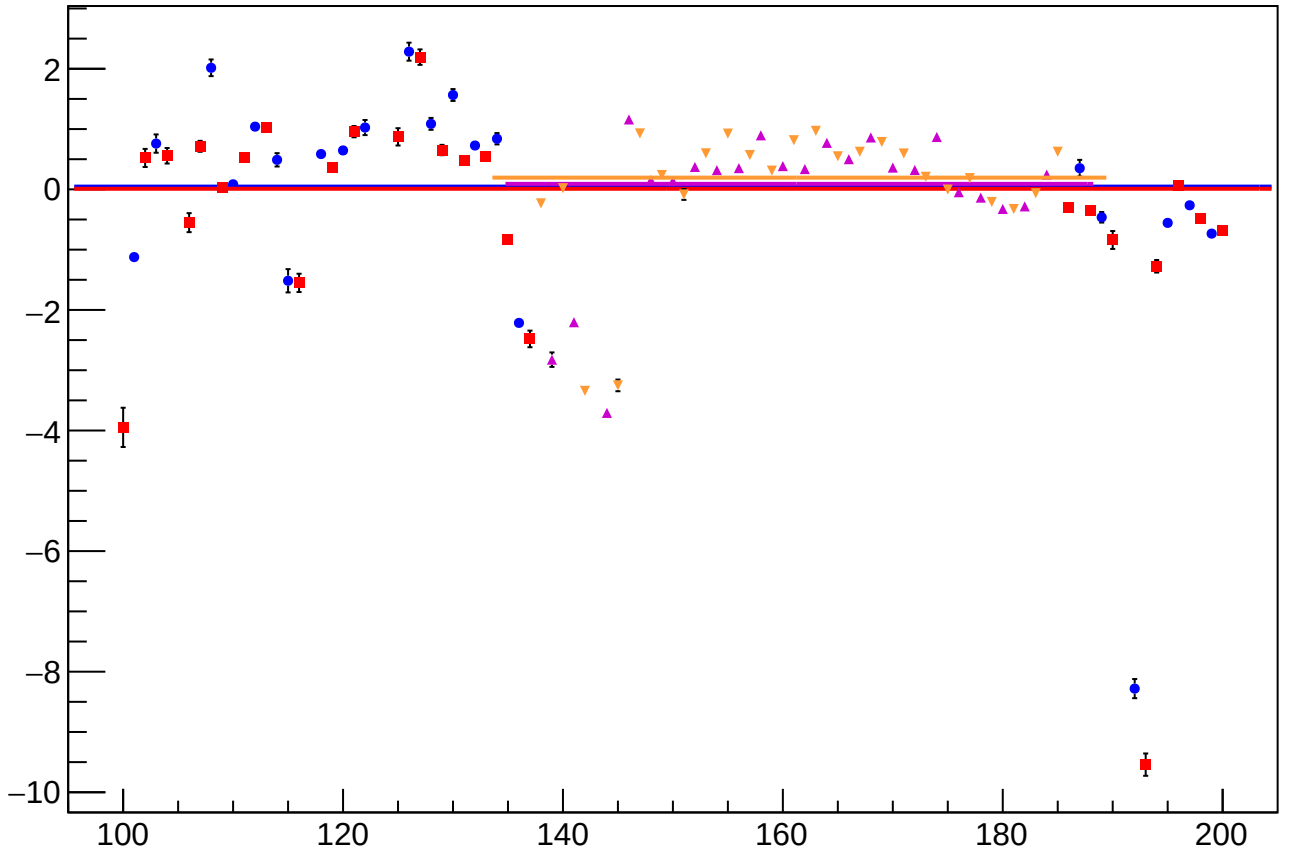
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.050+/-0.010 χ^2/NDF: 229097.8/47

In: 0.072+/-0.010 χ^2/NDF:245089.8/44

Out: 0.220+/-0.010 χ^2/NDF:243718.0/49

All: 0.152+/-0.007 χ^2/NDF: 488919.1/94



Right In: 0.045+/-0.018 χ^2/NDF: 5772.7/21

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

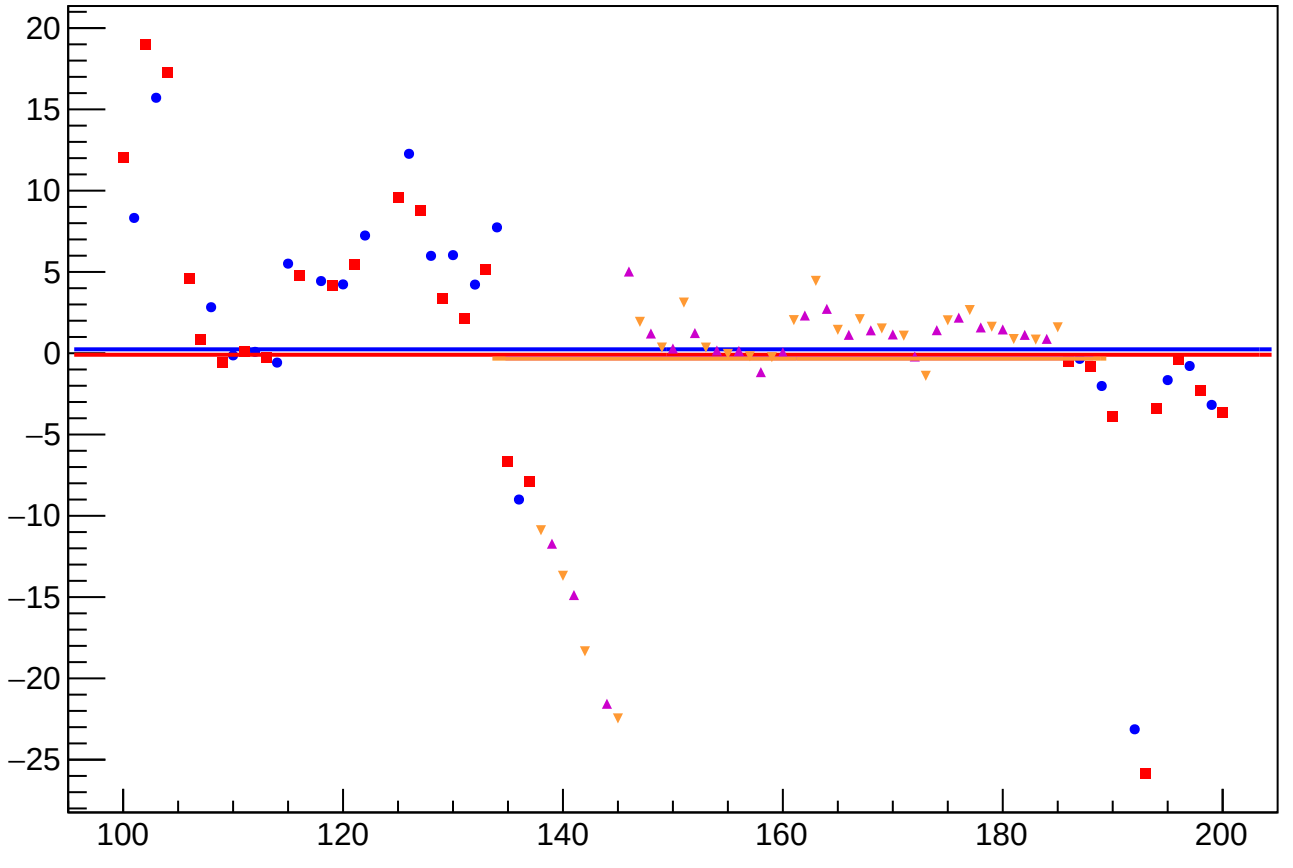
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.026+/-0.012 χ^2/NDF: 10619.9/47

In: 0.079+/-0.009 χ^2/NDF:12714.1/44

Out: 0.134+/-0.009 χ^2/NDF:9577.2/49

All: 0.106+/-0.007 χ^2/NDF: 22309.1/94



Right In: 0.241+/-0.017 χ^2/NDF: 113366.7/21

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

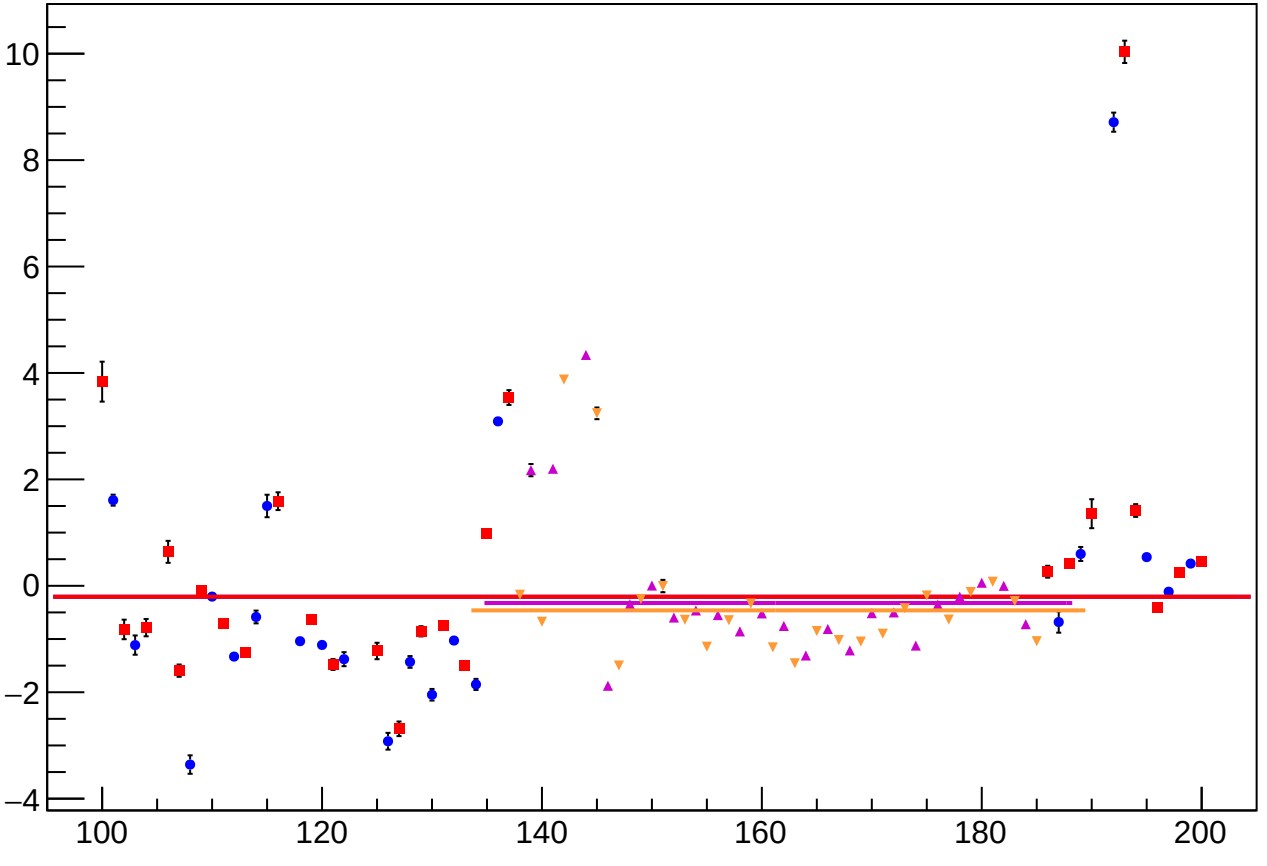
Right: 0.047+/-0.011 χ^2/NDF: 226972.3/47

In: -0.093+/-0.010 χ^2/NDF:241042.8/44

Out: -0.214+/-0.010 χ^2/NDF:237749.2/49

All: -0.157+/-0.007 χ^2/NDF: 478863.2/94

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.206+/-0.021 χ^2/NDF: 7255.4/21

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

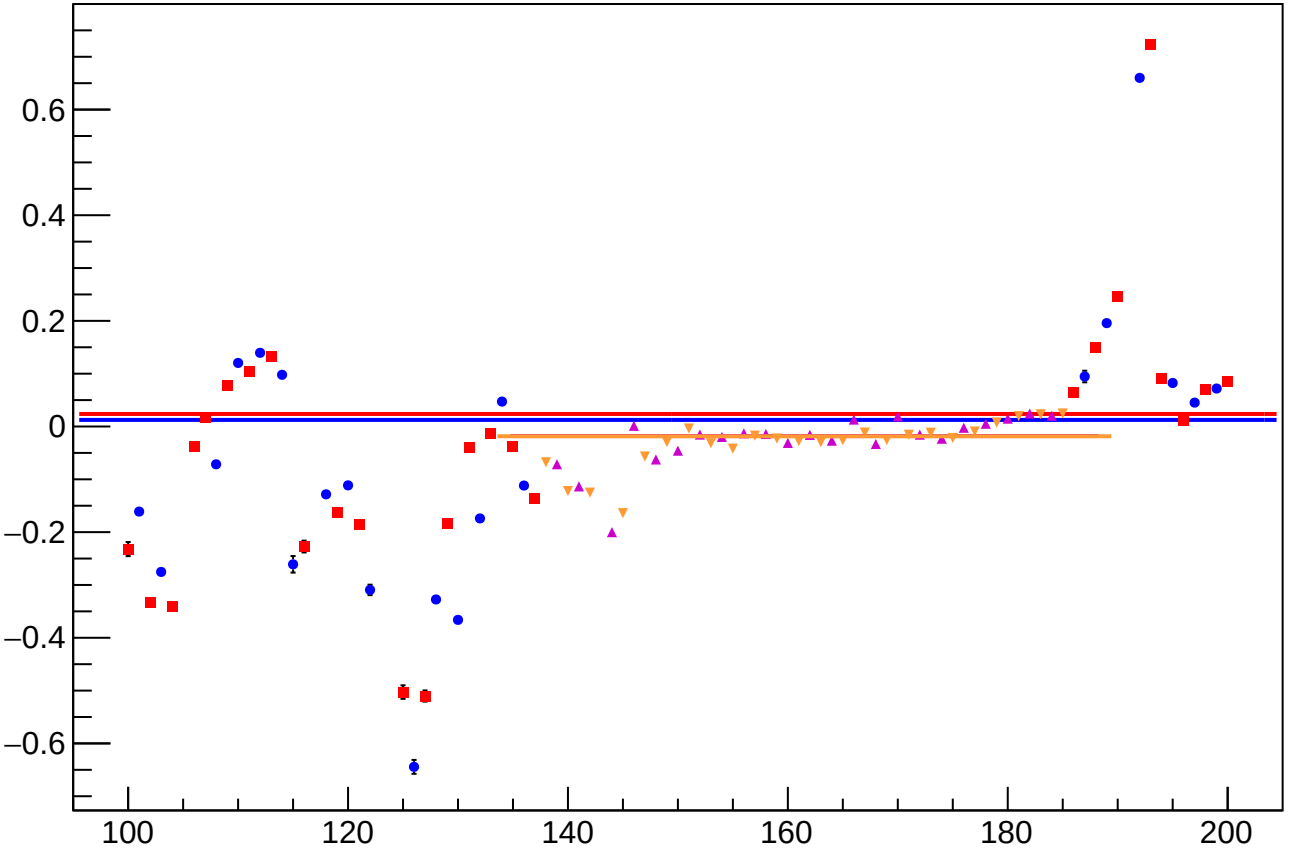
Right: -0.206+/-0.014 χ^2/NDF: 12634.6/47

In: -0.294+/-0.010 χ^2/NDF:14161.6/44

Out: -0.384+/-0.010 χ^2/NDF:10085.7/49

All: -0.338+/-0.007 χ^2/NDF: 24285.3/94

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.012+/-0.001 χ^2/NDF: 32940.8/21

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

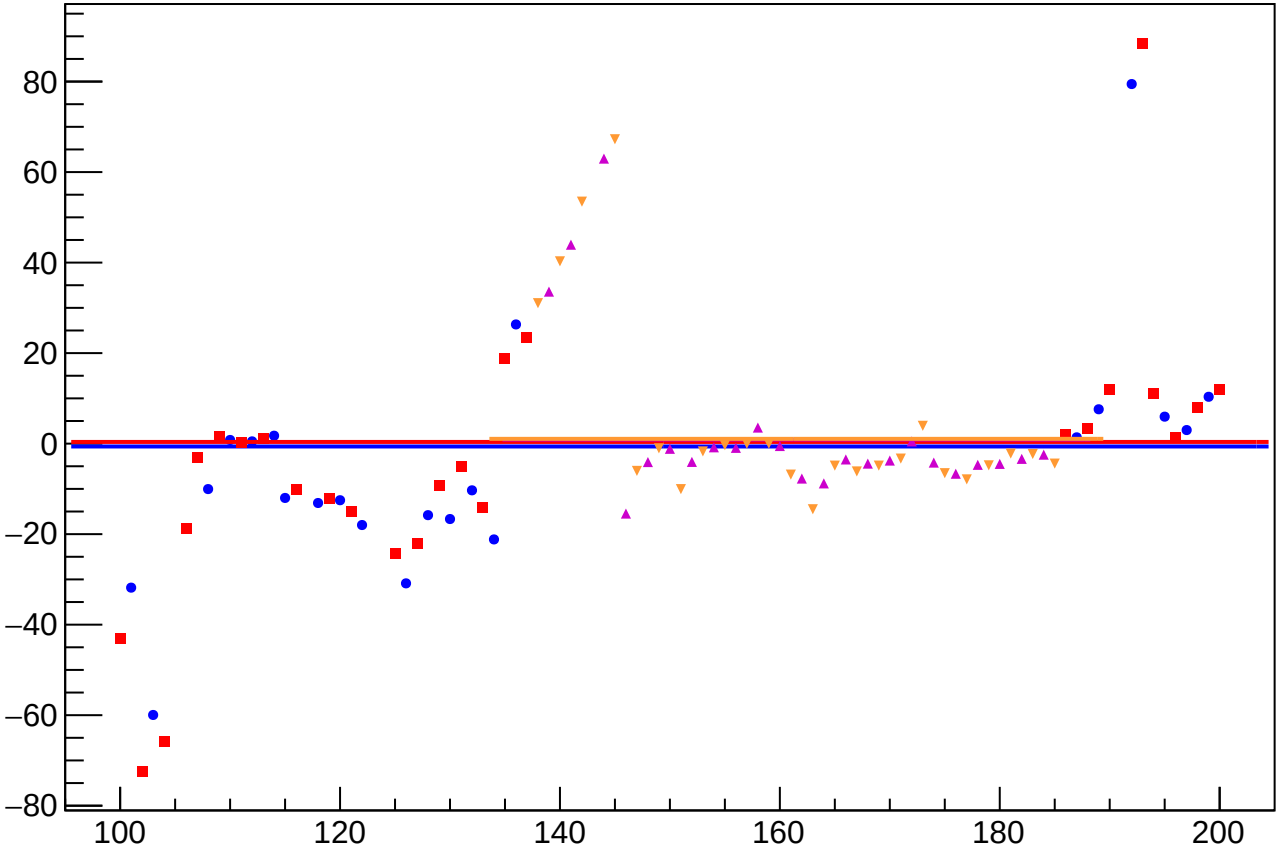
Right: 0.019+/-0.001 χ^2/NDF: 65650.0/47

In: -0.011+/-0.000 χ^2/NDF:38589.5/44

Out: -0.007+/-0.000 χ^2/NDF:38465.6/49

All: -0.009+/-0.000 χ^2/NDF: 77095.6/94

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.628+/-0.046 χ^2/NDF: 116196.3/21

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

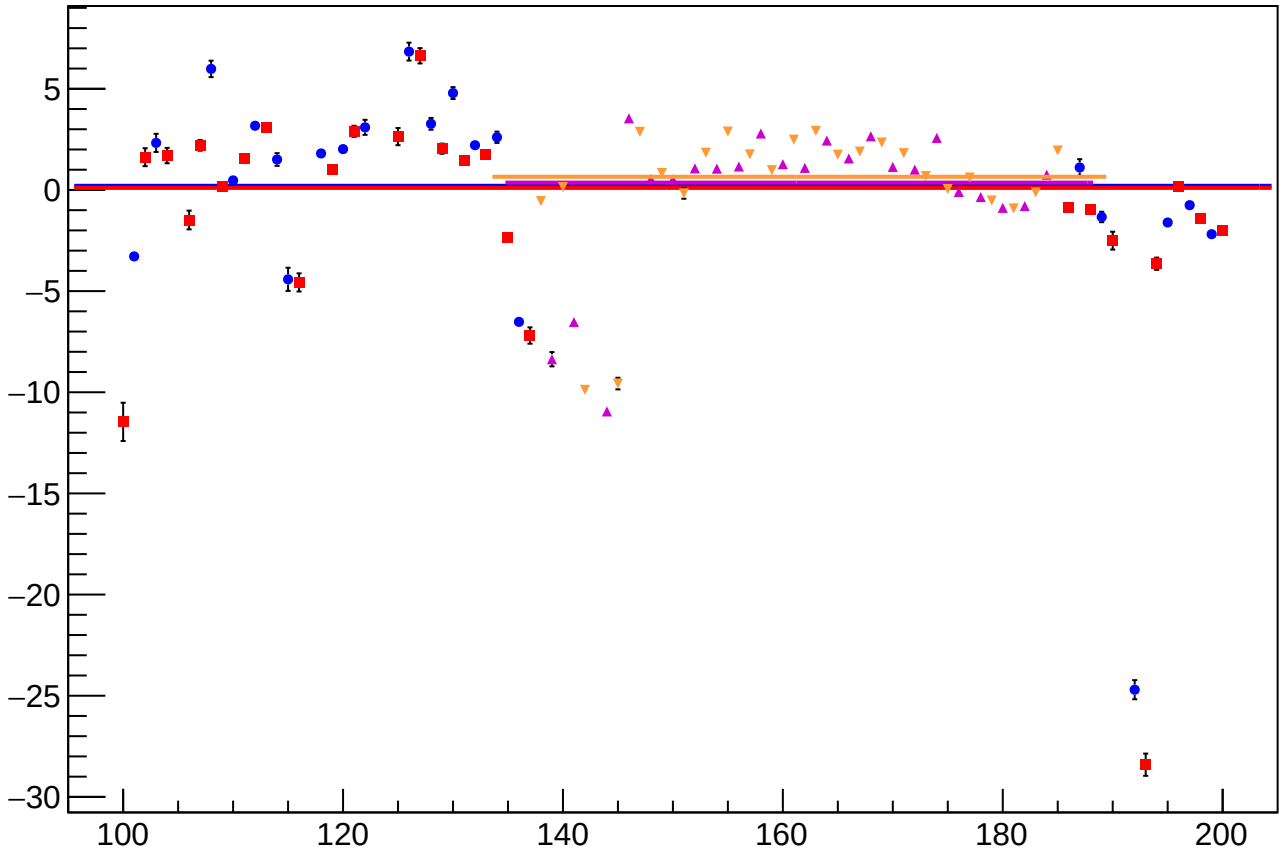
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -0.035+/-0.029 χ^2/NDF: 233005.8/47

In: 0.253+/-0.030 χ^2/NDF:249659.1/44

Out: 0.696+/-0.028 χ^2/NDF:247687.6/49

All: 0.491+/-0.020 χ^2/NDF: 497463.8/94



Right In: 0.205+/-0.051 χ^2/NDF: 5903.8/21

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

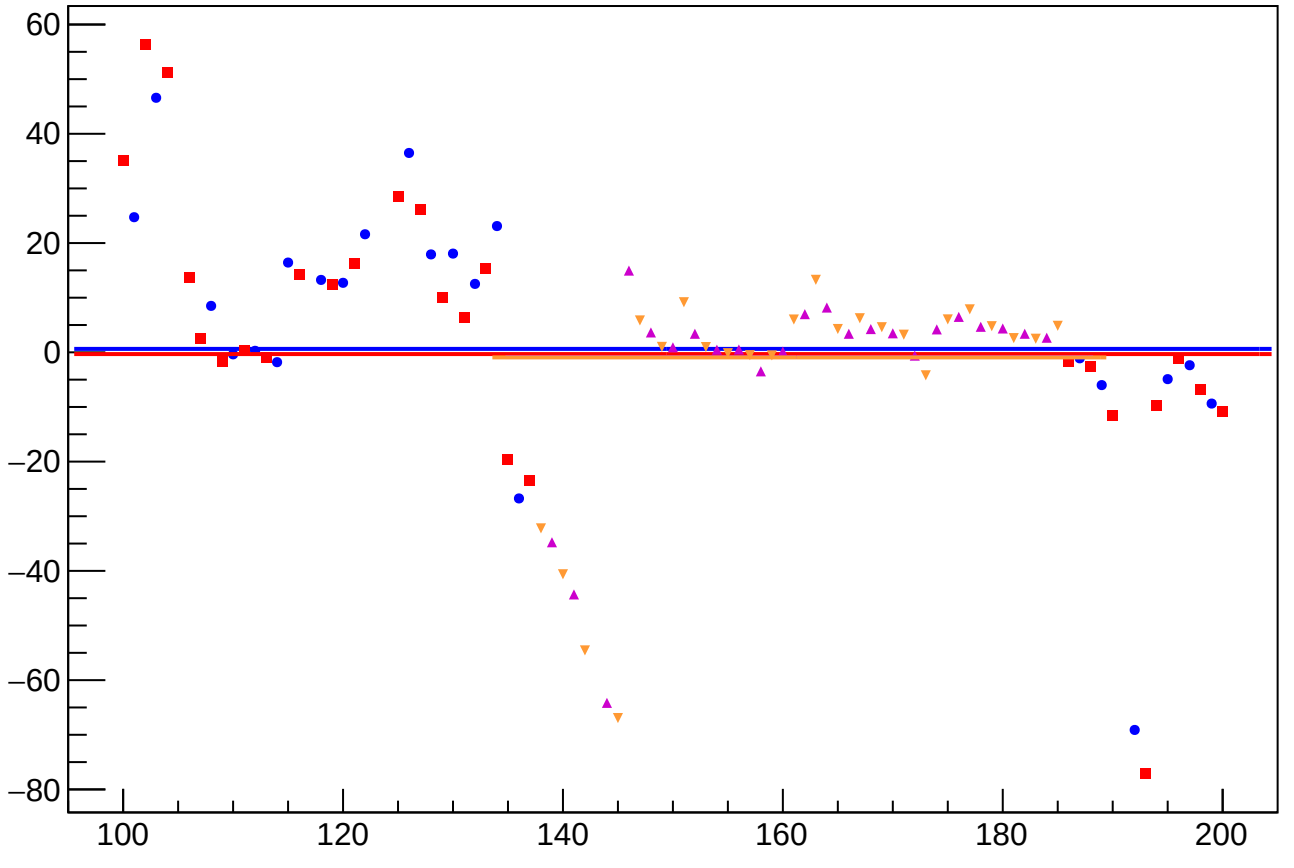
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.149+/-0.035 χ^2/NDF: 10838.2/47

In: 0.321+/-0.027 χ^2/NDF:13033.3/44

Out: 0.469+/-0.027 χ^2/NDF:9732.1/49

All: 0.394+/-0.019 χ^2/NDF: 22780.5/94



Right In: 0.630+/-0.048 χ^2/NDF: 115420.3/21

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

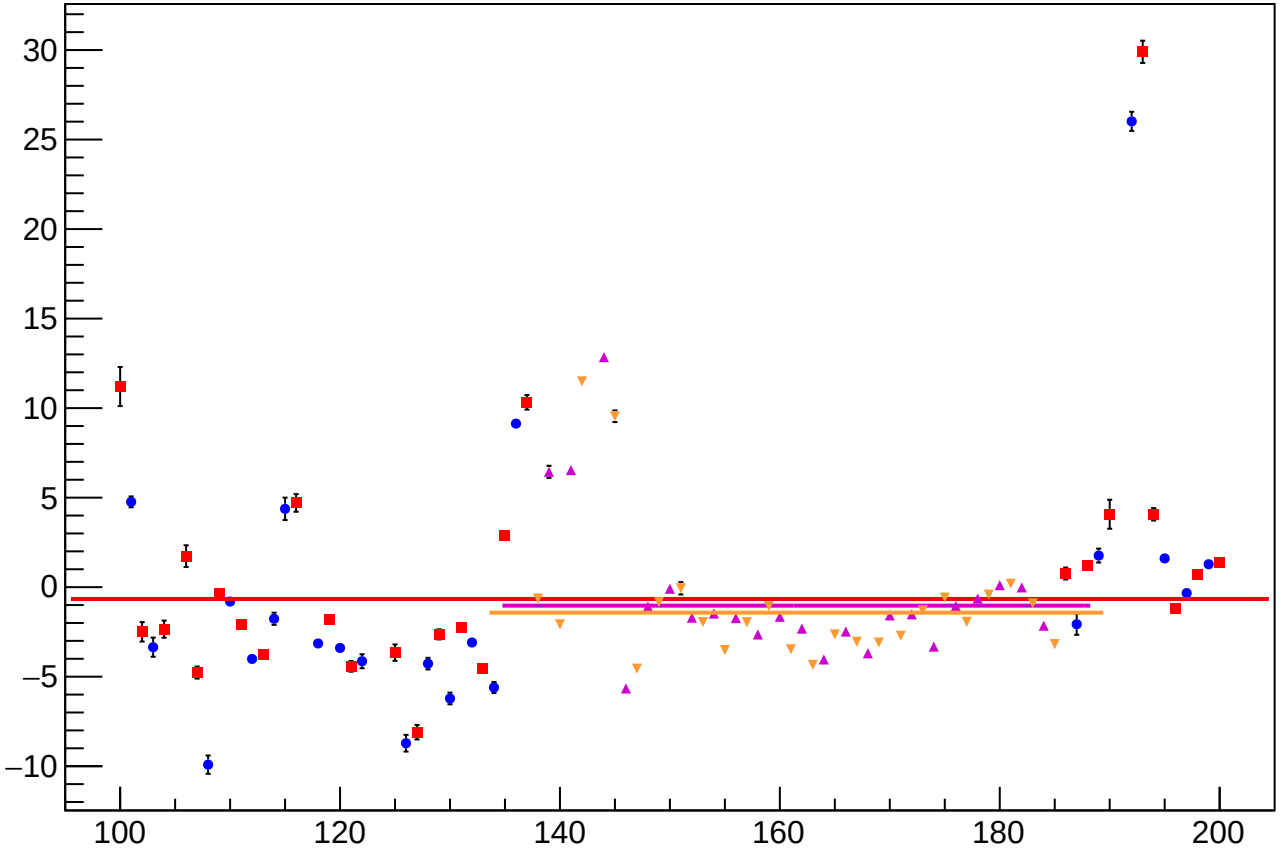
Right: 0.079+/-0.031 χ^2/NDF: 230791.7/47

In: -0.265+/-0.030 χ^2/NDF:245484.5/44

Out: -0.626+/-0.029 χ^2/NDF:241617.9/49

All: -0.455+/-0.021 χ^2/NDF: 487176.8/94

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.661+/-0.060 χ^2/NDF: 7415.4/21

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

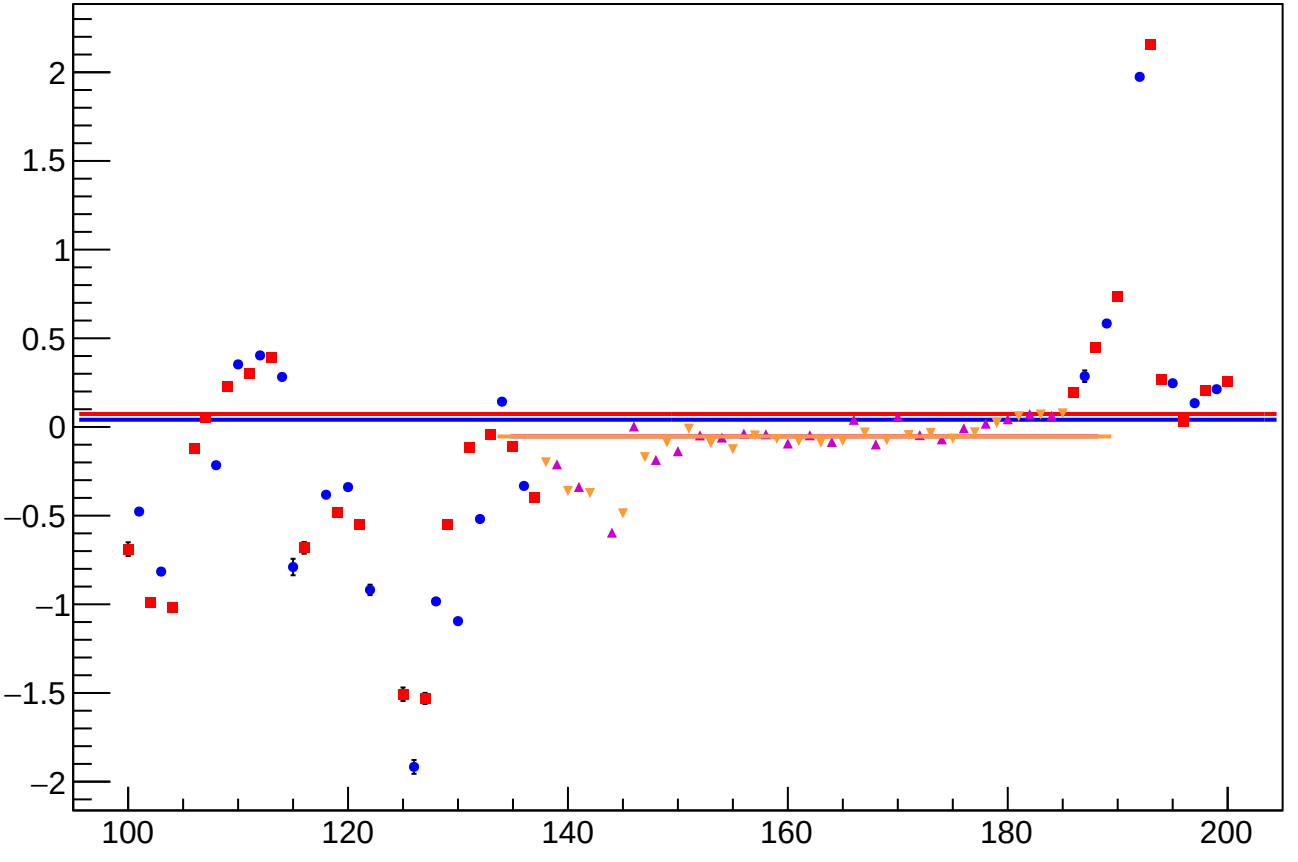
Right: -0.659+/-0.041 χ^2/NDF: 12883.6/47

In: -0.939+/-0.030 χ^2/NDF:14495.4/44

Out: -1.191+/-0.031 χ^2/NDF:10241.7/49

All: -1.063+/-0.021 χ^2/NDF: 24771.7/94

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.003 χ^2/NDF: 33528.9/21

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

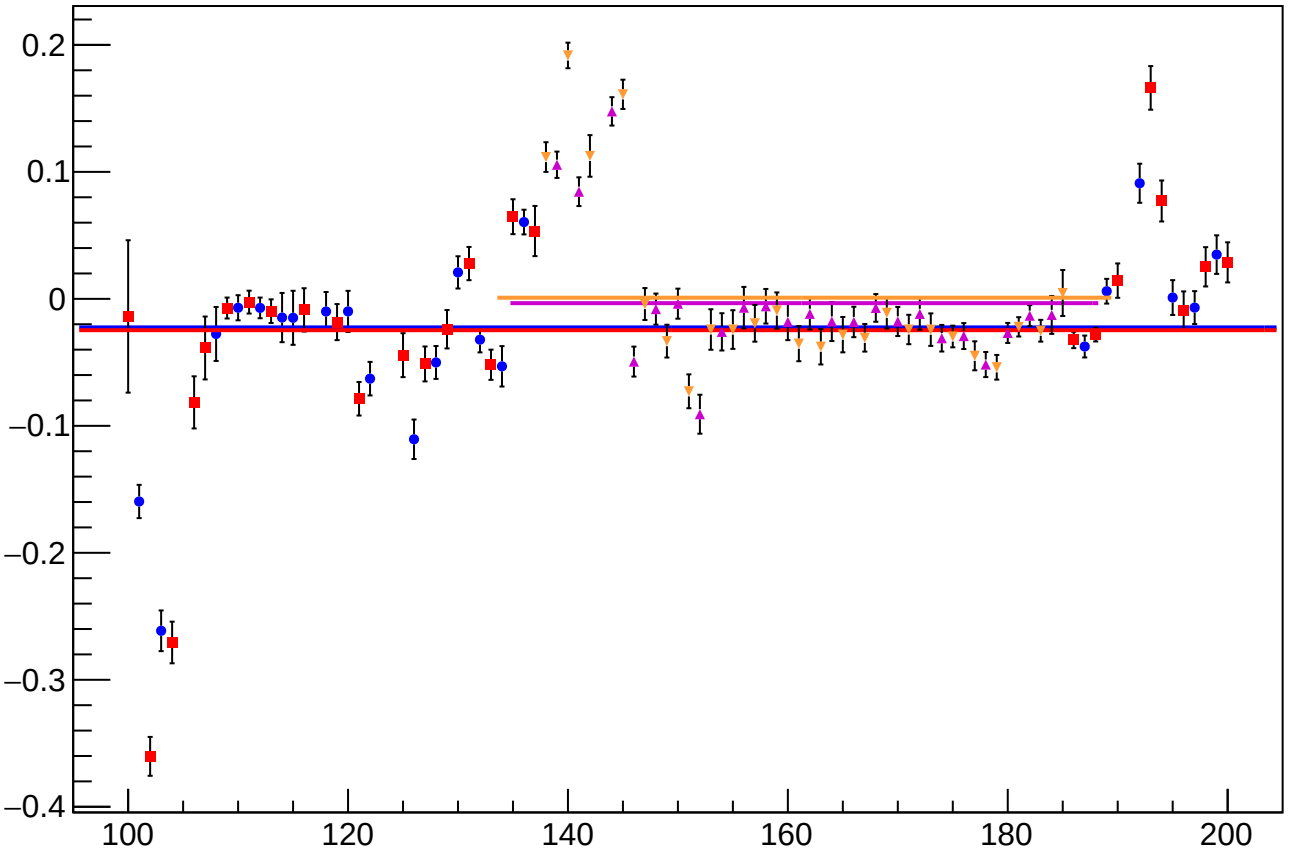
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.058+/-0.002 χ^2/NDF: 66860.4/47

In: -0.033+/-0.001 χ^2/NDF:39403.2/44

Out: -0.019+/-0.001 χ^2/NDF:39302.5/49

All: -0.026+/-0.001 χ^2/NDF: 78755.0/94



Right In: -0.022+/-0.003 χ^2/NDF: 559.5/21

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

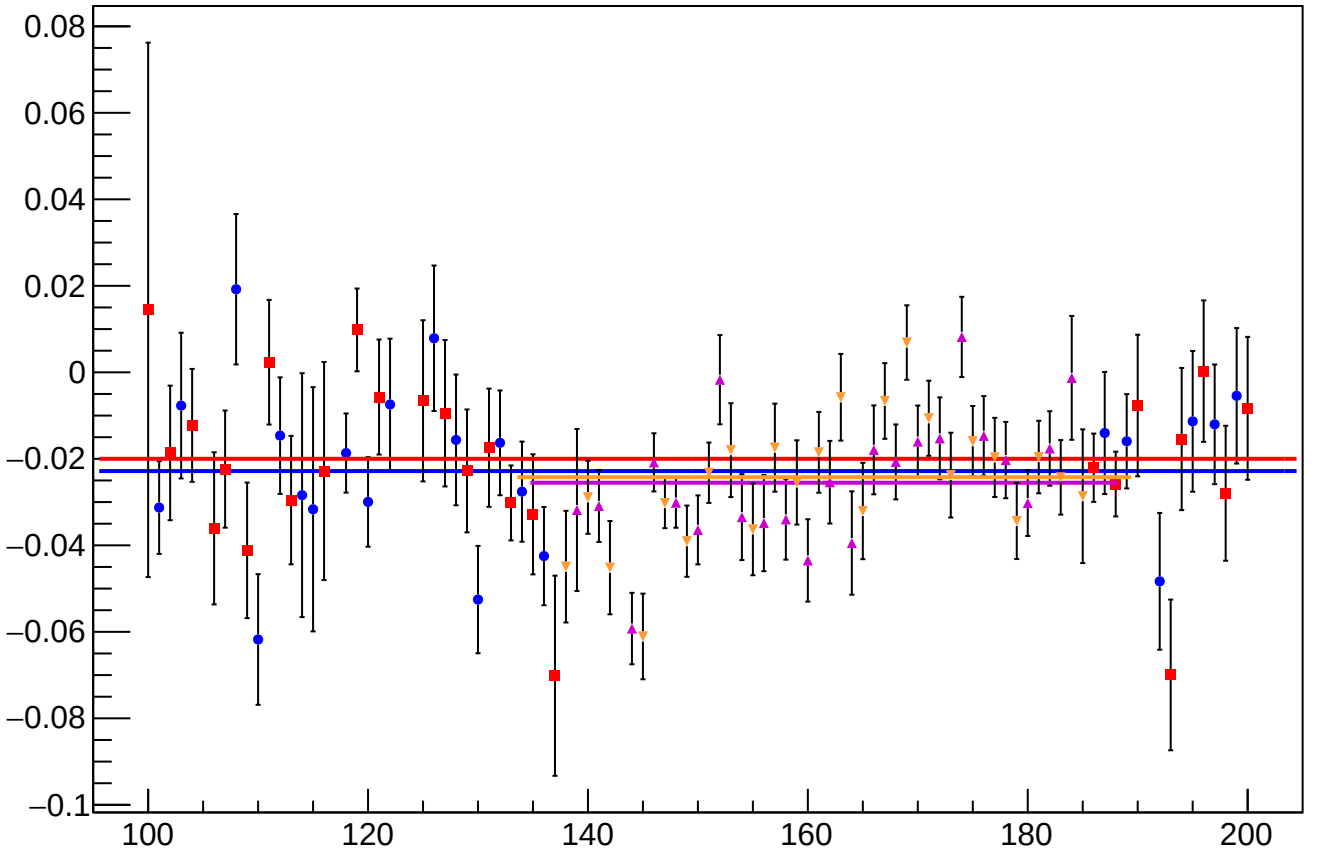
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.024+/-0.002 χ^2/NDF: 1584.6/47

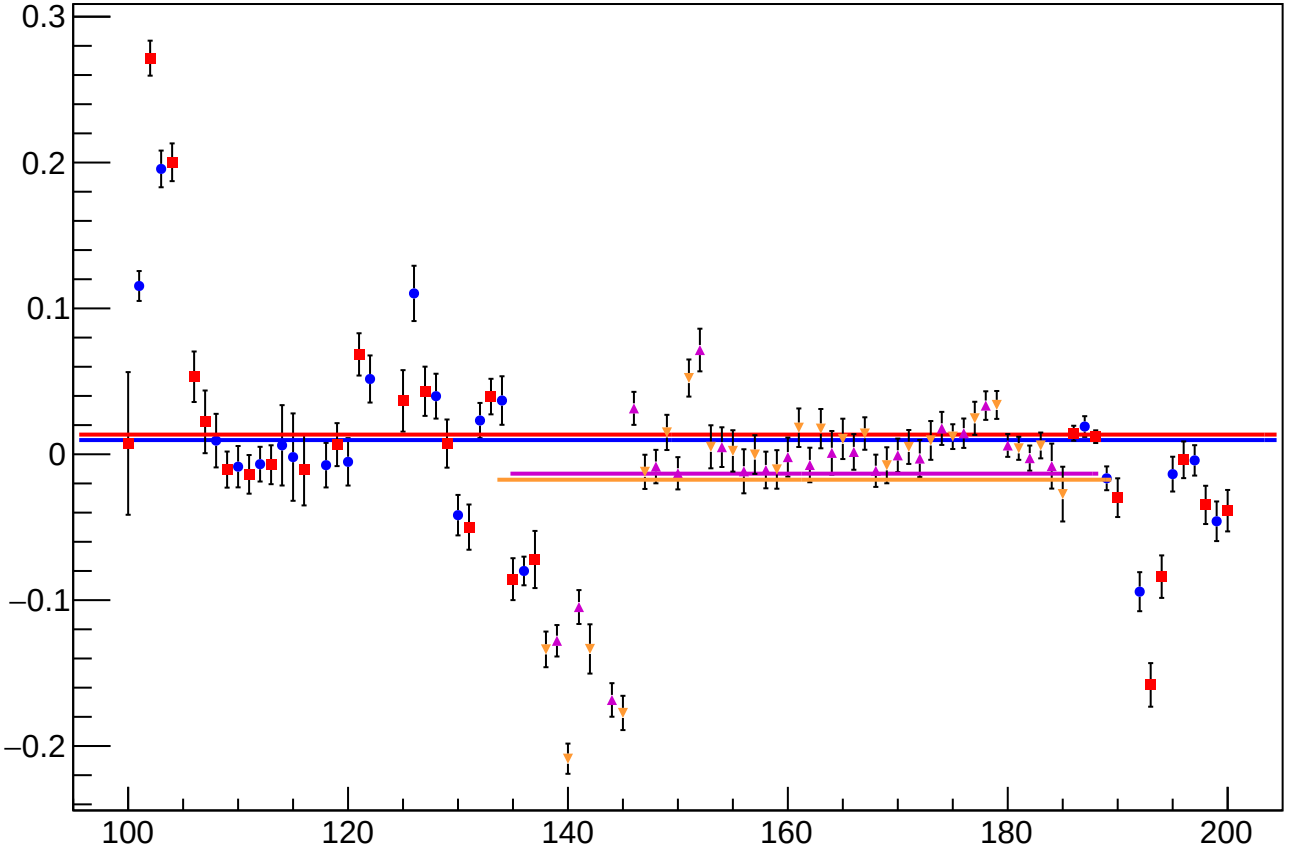
In: -0.012+/-0.002 χ^2/NDF:1045.7/44

Out: -0.012+/-0.002 χ^2/NDF:1932.8/49

All: -0.012+/-0.001 χ^2/NDF: 2978.5/94


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: 34.6/21
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: 71.9/47
In: -0.025+/-0.002 χ²/NDF:90.2/44
Out: -0.023+/-0.002 χ²/NDF:92.3/49
All: -0.024+/-0.001 χ²/NDF: 183.3/94

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.010+/-0.003 χ^2/NDF: 565.3/21

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

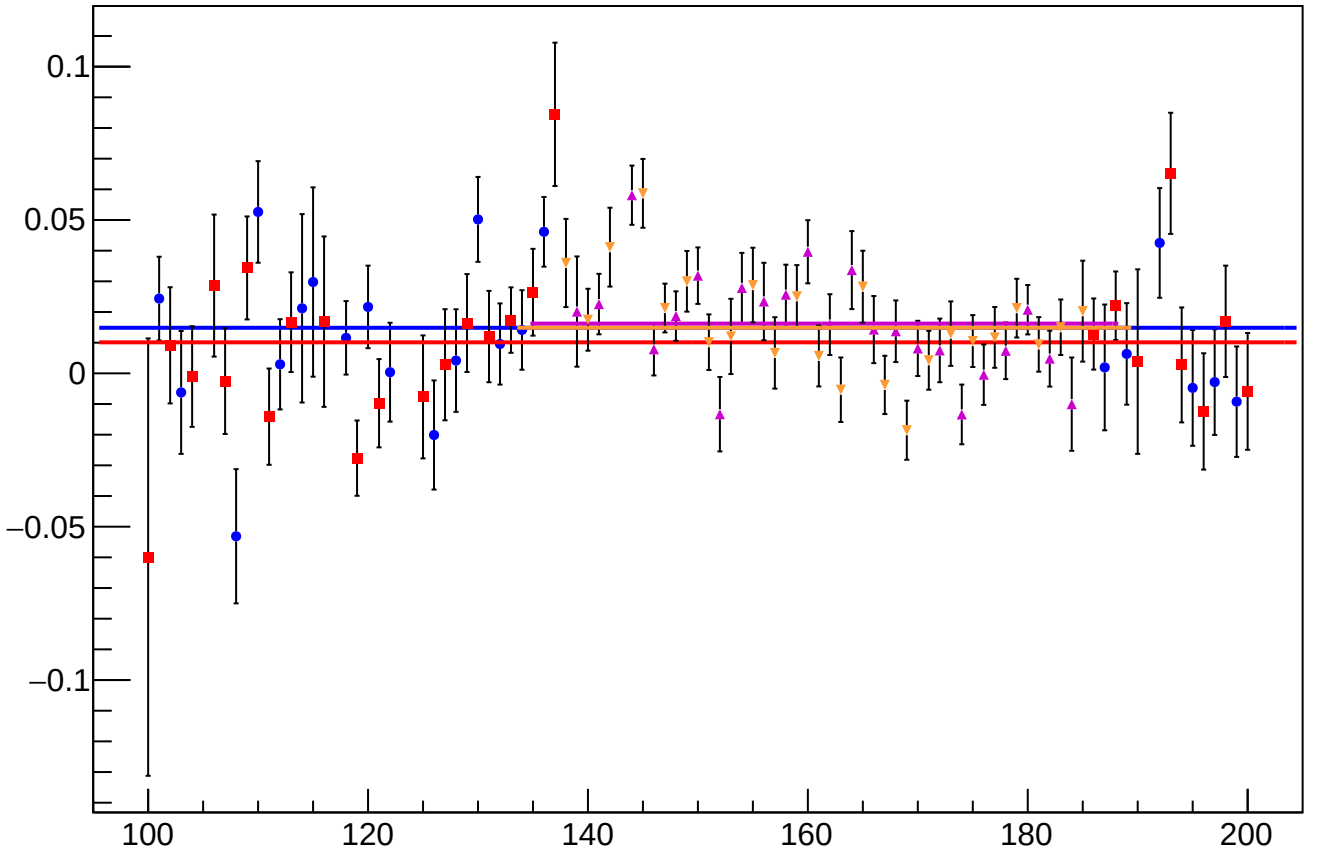
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.012+/-0.002 χ^2/NDF: 1577.6/47

In: -0.003+/-0.002 χ^2/NDF:1065.3/44

Out: -0.001+/-0.002 χ^2/NDF:1912.6/49

All: -0.002+/-0.001 χ^2/NDF: 2978.6/94



Right In: 0.015+/-0.003 χ^2/NDF: 44.0/21

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.010+/-0.003 χ^2/NDF: 43.1/25

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

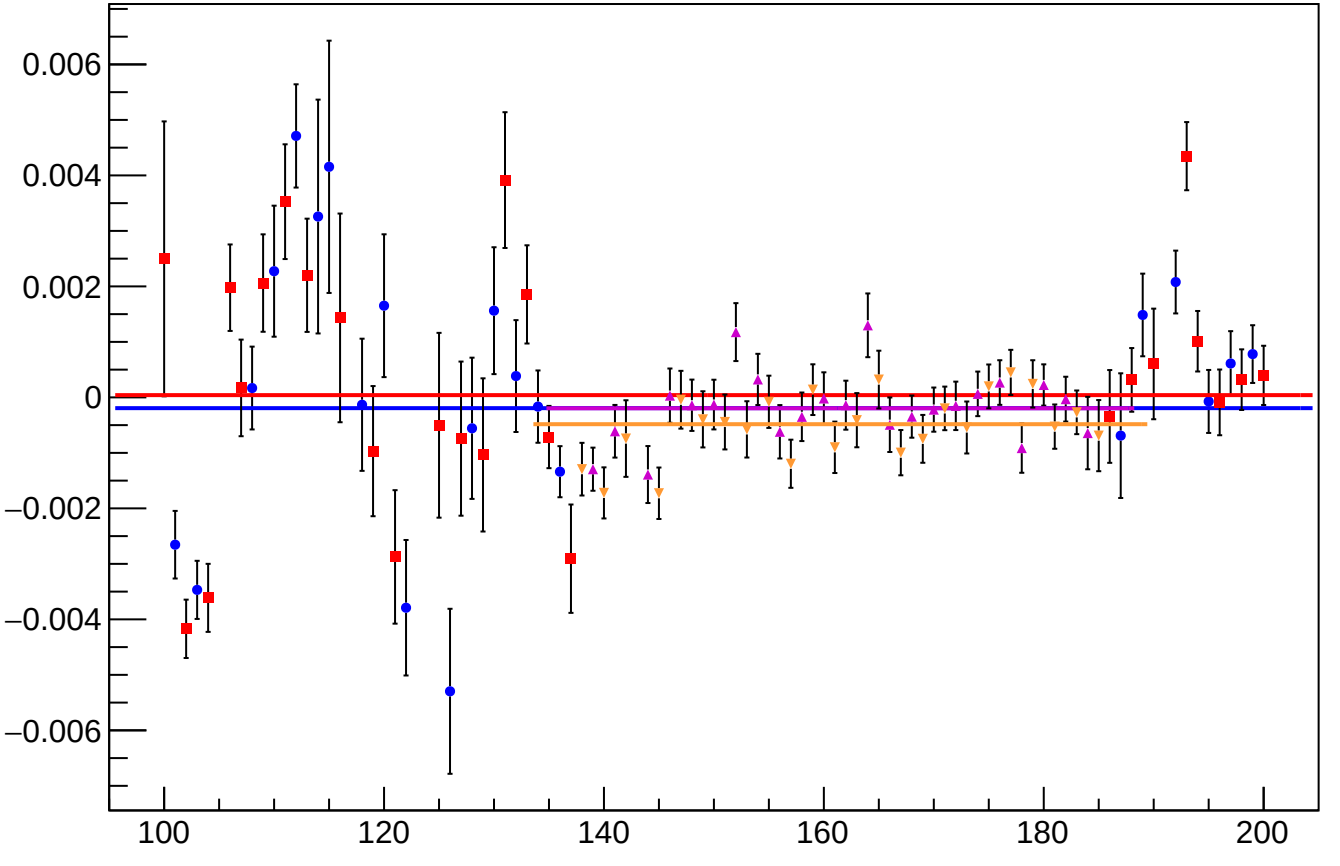
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.012+/-0.002 χ^2/NDF: 88.2/47

In: 0.016+/-0.002 χ^2/NDF:102.1/44

Out: 0.013+/-0.002 χ^2/NDF:96.7/49

All: 0.015+/-0.001 χ^2/NDF: 199.8/94



Right In: -0.000+/-0.000 χ^2/NDF: 152.5/21

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

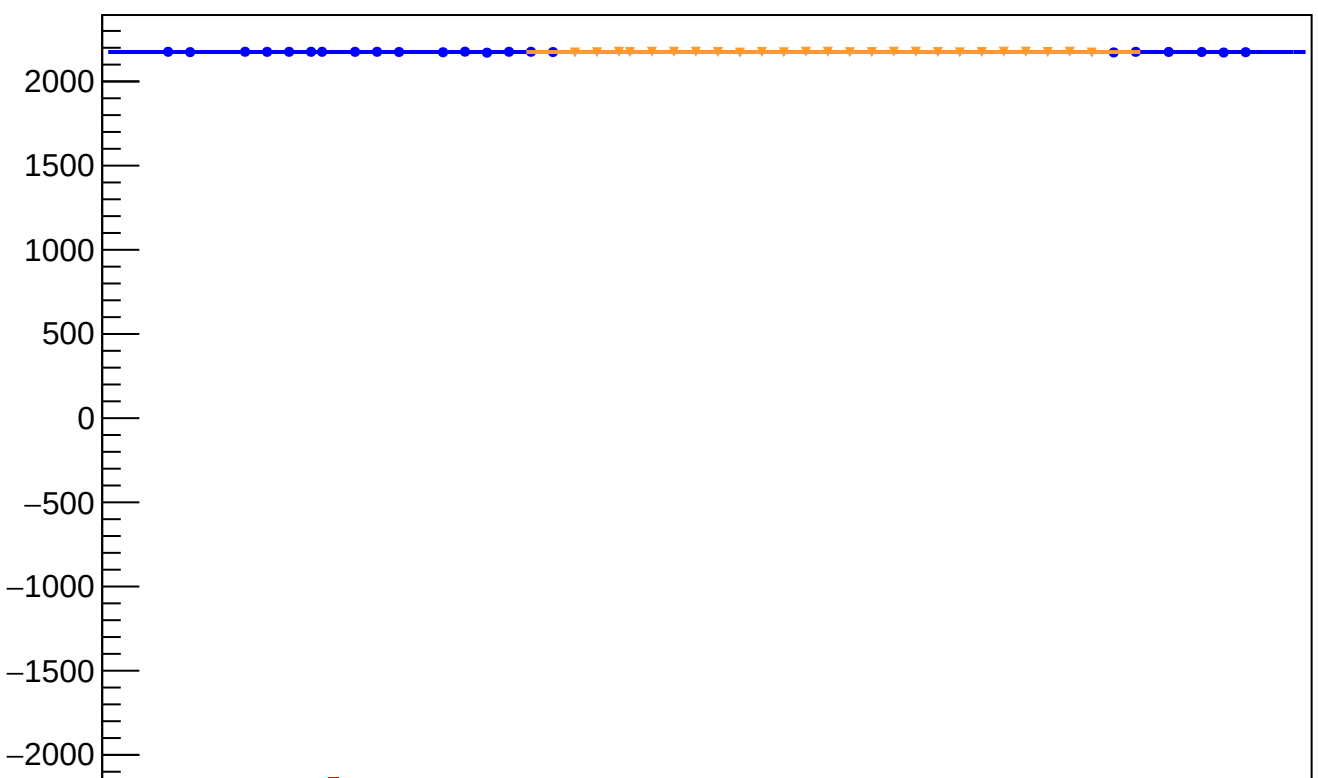
Right: -0.000+/-0.000 χ^2/NDF: 368.8/47

In: -0.000+/-0.000 χ^2/NDF:189.7/44

Out: -0.000+/-0.000 χ^2/NDF:264.6/49

All: -0.000+/-0.000 χ^2/NDF: 456.0/94

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.809+/-0.000 χ^2/NDF: 3012949219860458063460190004445184.0/21

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

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

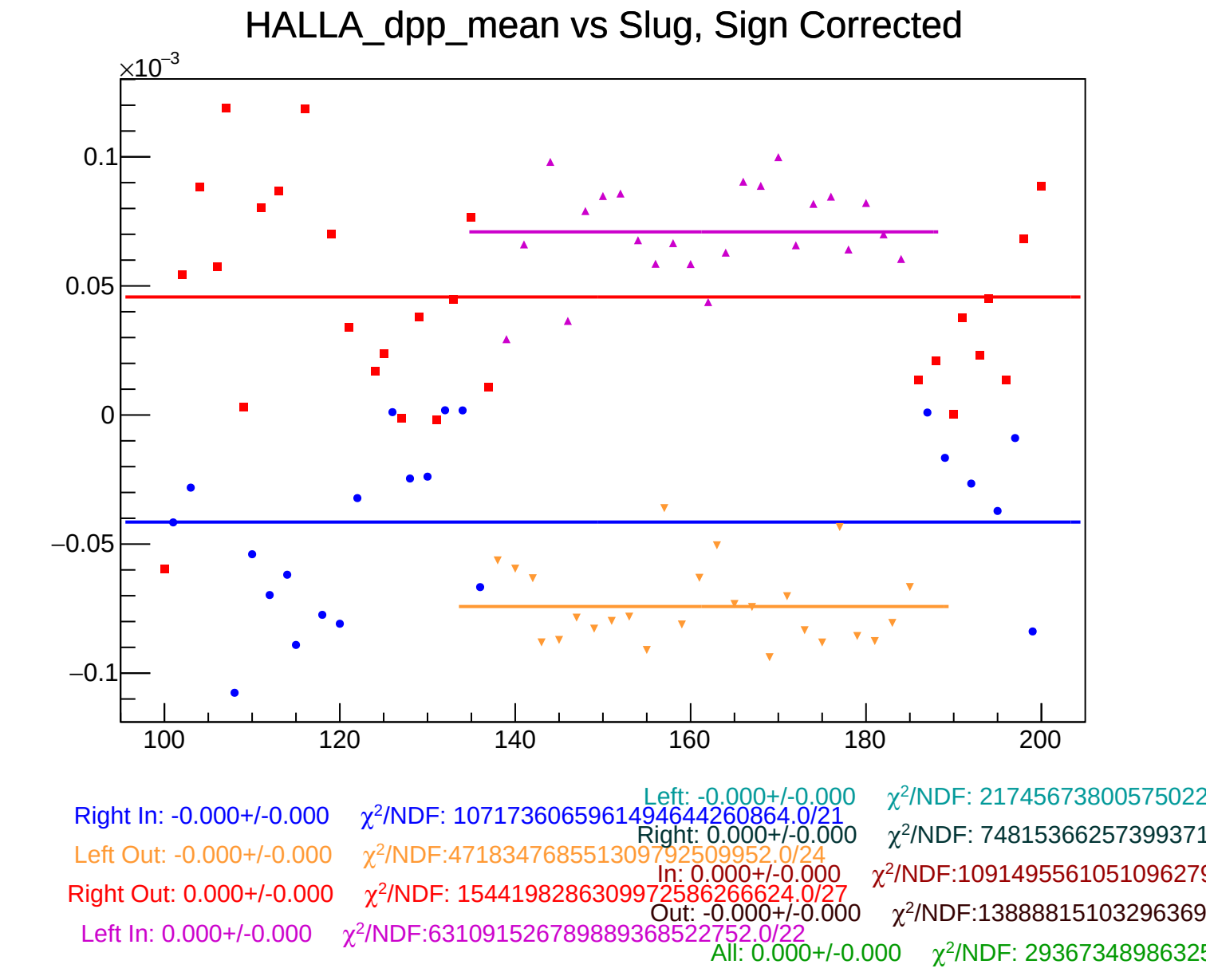
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -182.646+/-0.000 χ^2/NDF: 121082492003745

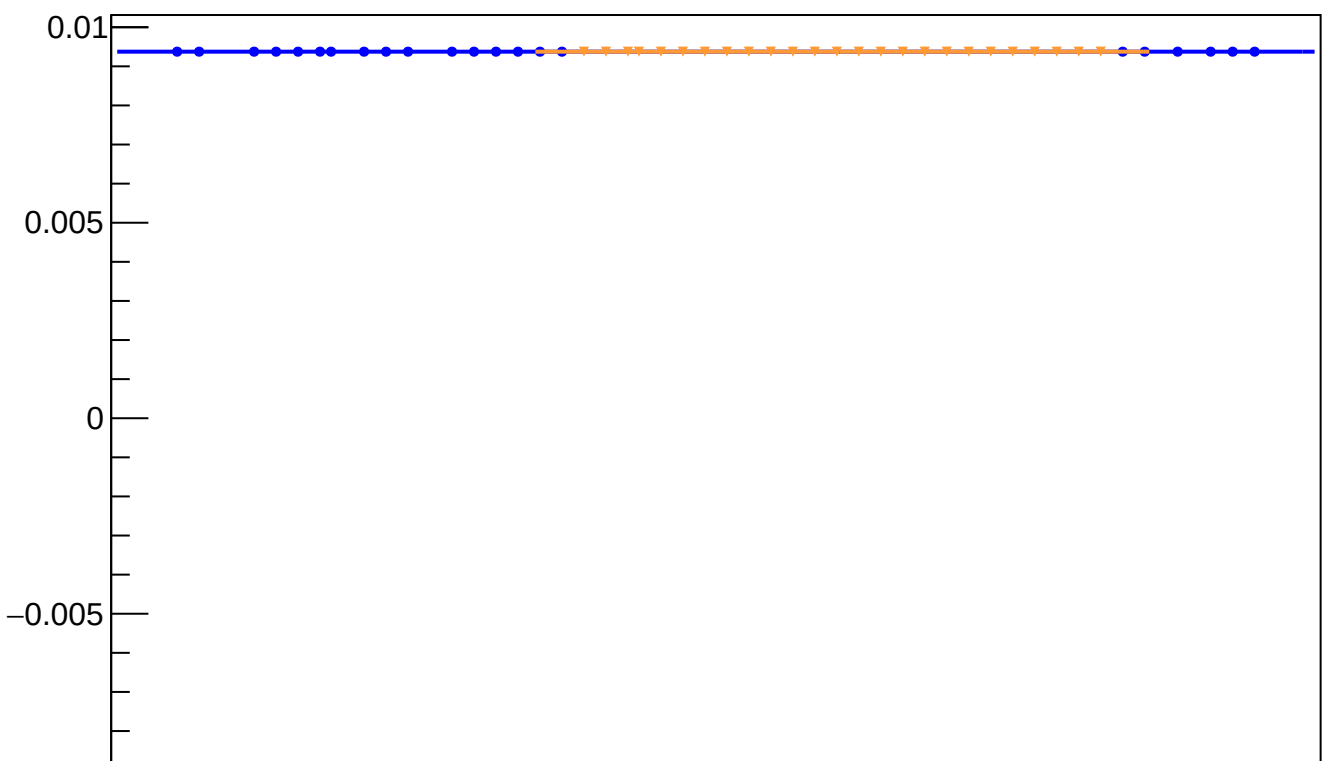
In: -510.621+/-0.000 χ^2/NDF:1379403941698140

Out: 394.887+/-0.000 χ^2/NDF:1561898383116412

All: -34.961+/-0.000 χ^2/NDF: 307426367648


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: 10717360659614946442608640.0/21
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1544198286309972586266624.0/27
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 74815366257399371
In: 0.000+/-0.000 χ²/NDF:1091495561051096279
Out: -0.000+/-0.000 χ²/NDF:13888815103296369
All: 0.000+/-0.000 χ²/NDF: 2936734898632

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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

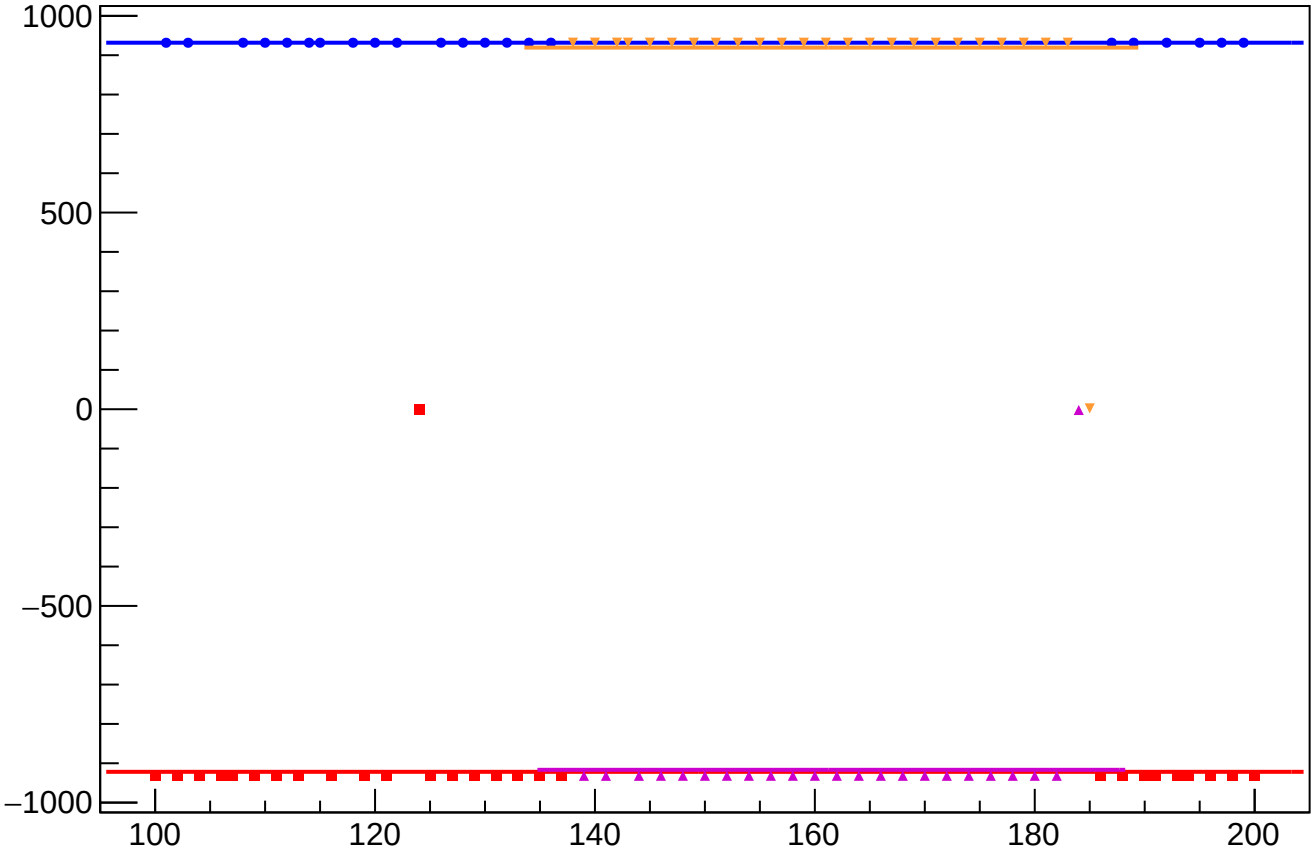
Right: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.776+/-0.000 χ^2/NDF: 3187275366683650071182983561216.0/21

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

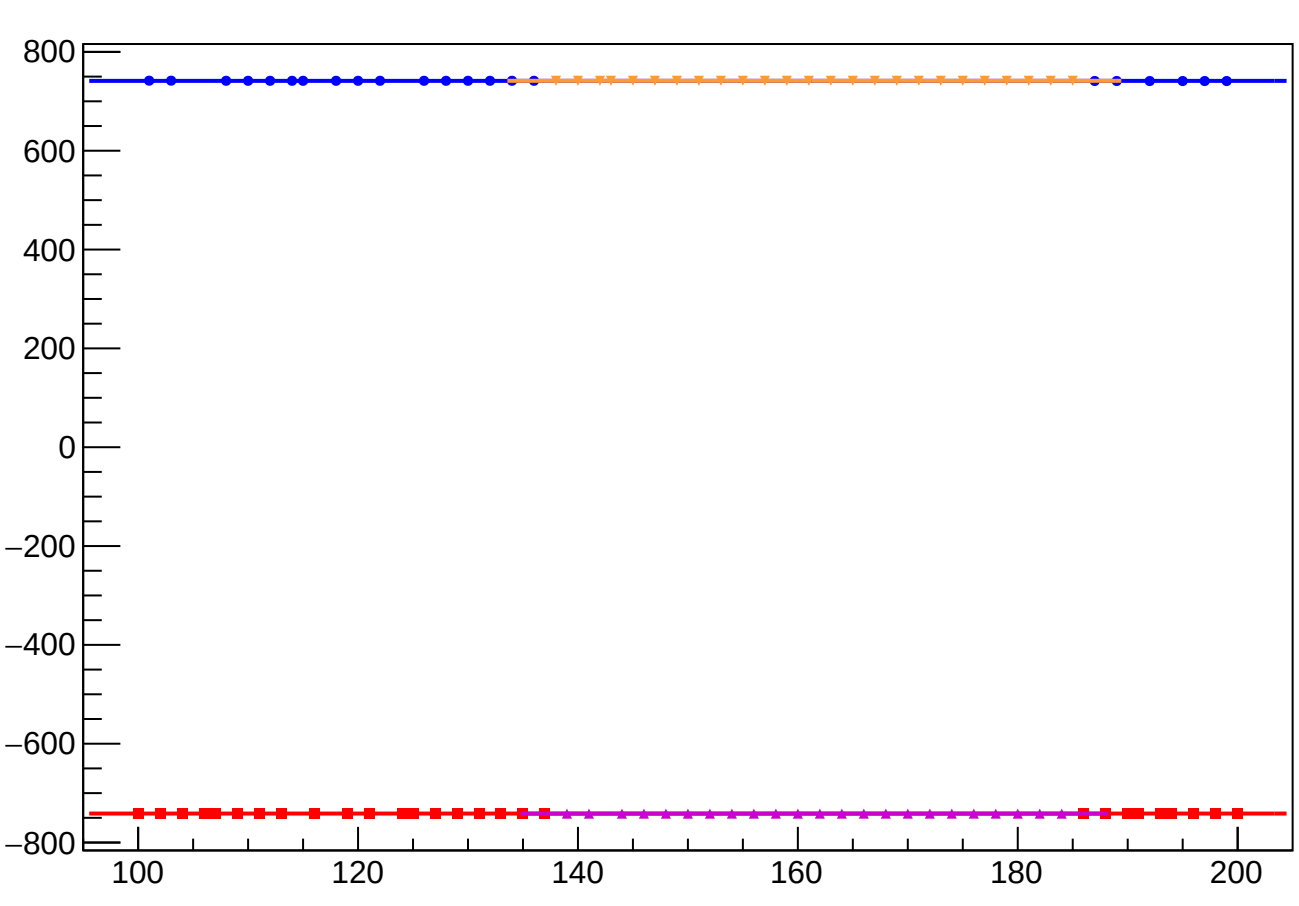
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

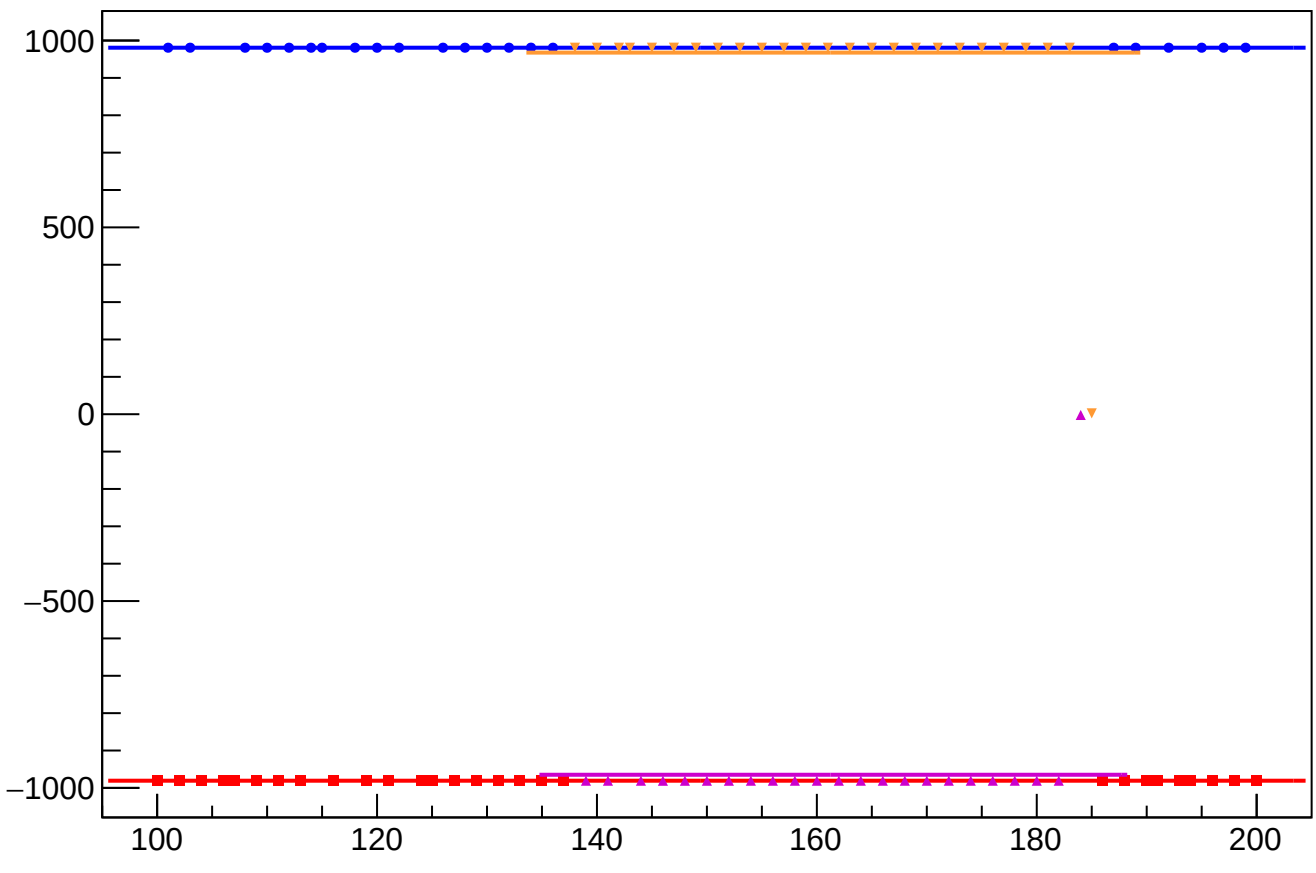
Right: -72.983+/-0.000 χ^2/NDF: 221235565496897

In: -209.496+/-0.000 χ^2/NDF:2517764330436 16

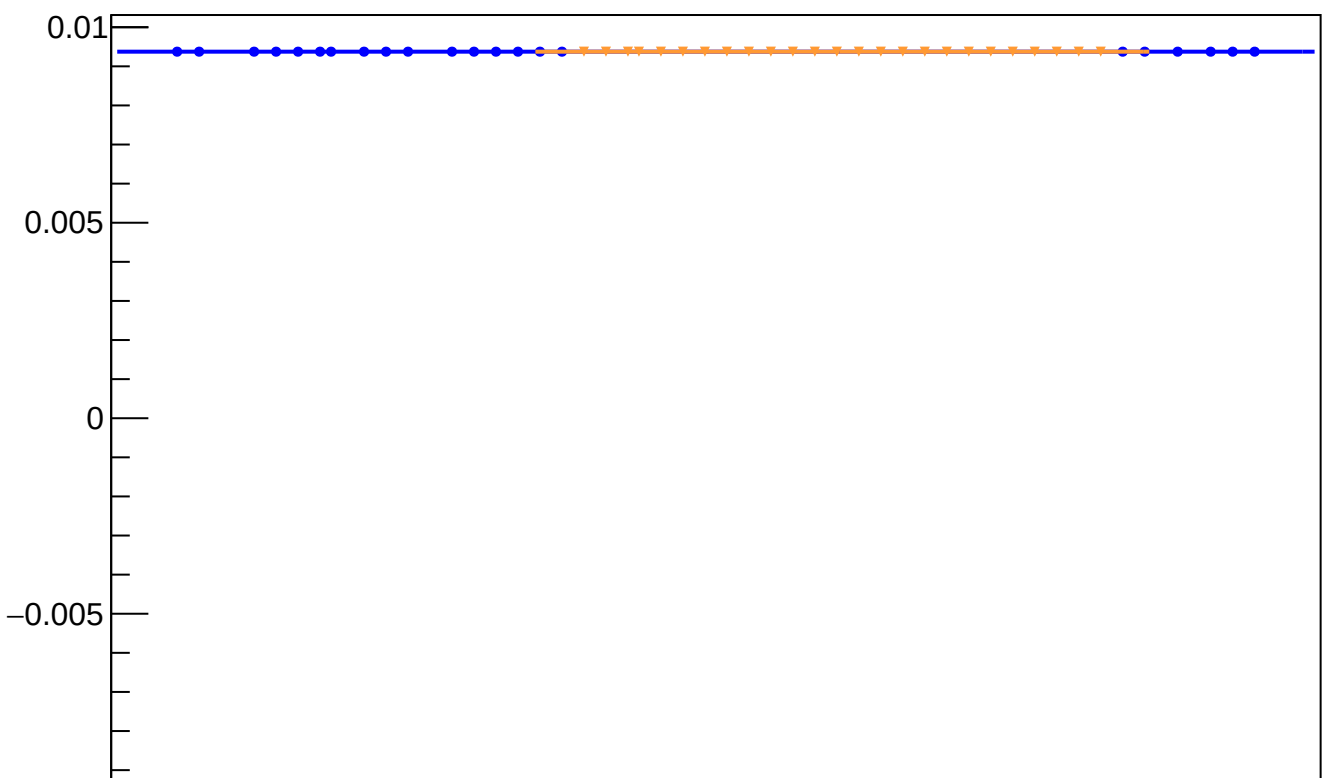
Out: 165.864+/-0.000 χ^2/NDF:2835397073305974

All: -12.321+/-0.000 χ^2/NDF: 55816354810 7


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: 741.375+/-0.000 χ²/NDF: 8224621390689512619135113520742 4.0/21
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:23470398303008542318589588275 2.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -62.363+/-0.000 χ²/NDF: 140741950057754
In: -174.201+/-0.000 χ²/NDF:160343995095903 4
Out: 134.653+/-0.000 χ²/NDF:18159715126479 04
All: -11.961+/-0.000 χ²/NDF: 357409613547


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Left: 28.991+/-0.000 χ²/NDF: 3715452335680680
Right In: 980.807+/-0.000 χ²/NDF: 1389399943749179343177605185536.0/21
Right: -82.510+/-0.000 χ²/NDF: 246331129436632
Left Out: 967.677+/-0.000 χ²/NDF:2550515560327992564154129577963369267 2.0/24
In: -220.499+/-0.000 χ²/NDF:2789606045466286
Right Out: -980.777+/-0.000 χ²/NDF: 6338270329798976361665798969753 6.0/27
Out: 170.271+/-0.000 χ²/NDF:3160886907814264
Left In: -964.854+/-0.000 χ²/NDF:2921583896010307878411284562824501 6576.0/22
All: -15.229+/-0.000 χ²/NDF: 619811092219

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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

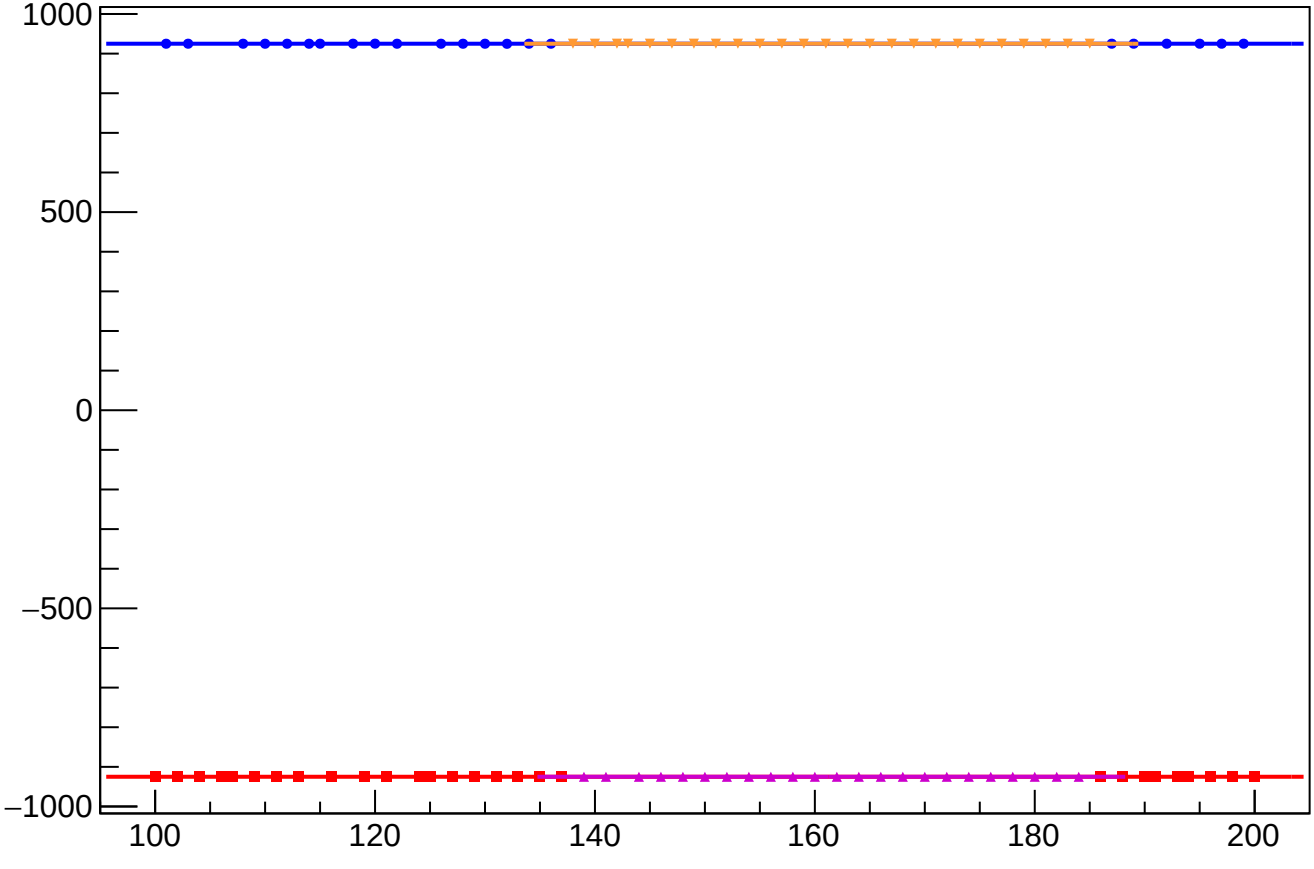
Right: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.985+/-0.000 χ^2/NDF: 330211718772765738269067444224 0.0/21

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.991+/-0.000 χ^2/NDF: 181955976973987142492858456473 6.0/27

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

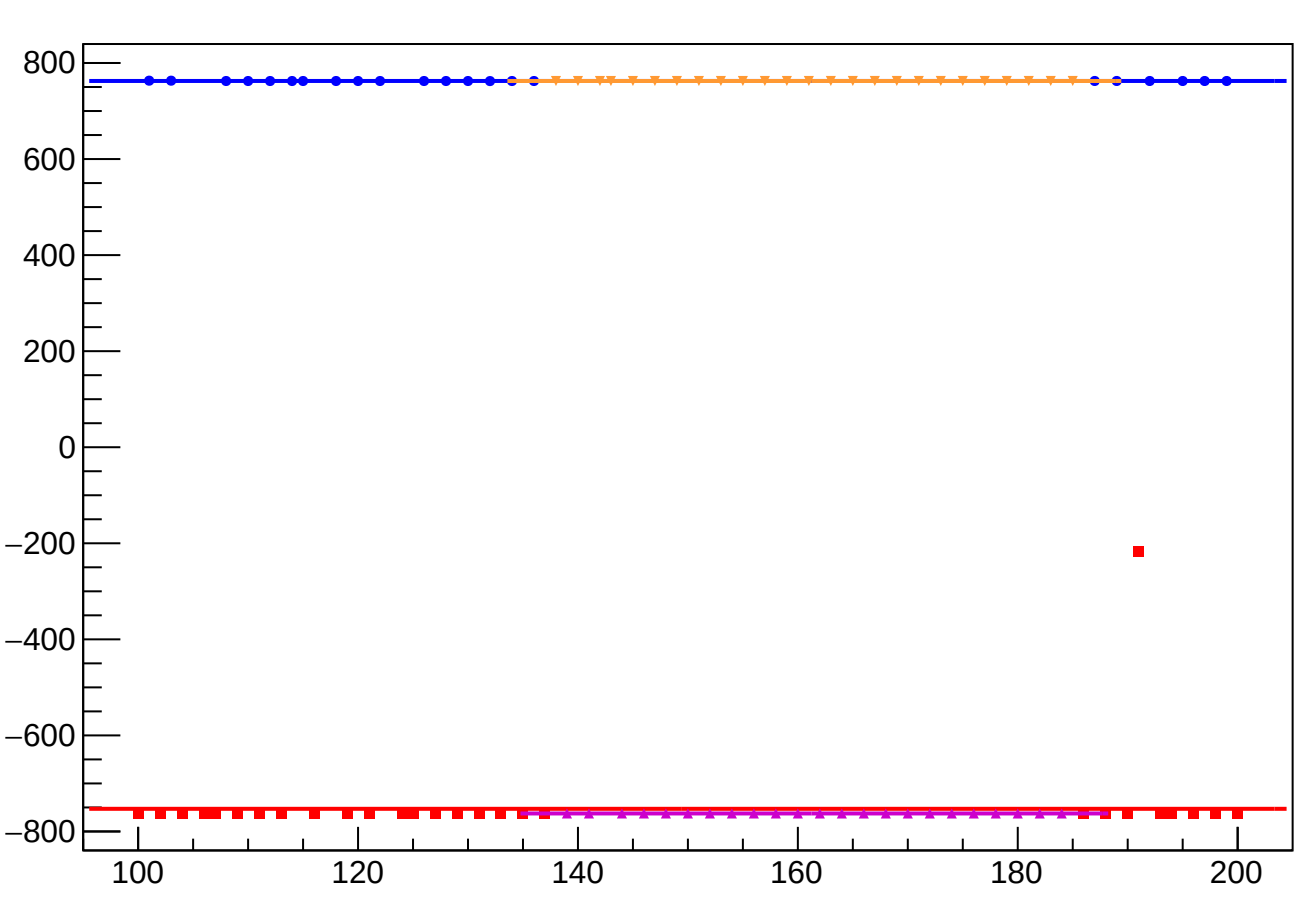
Left: 26.401+/-0.000 χ^2/NDF: 335461514263637 44

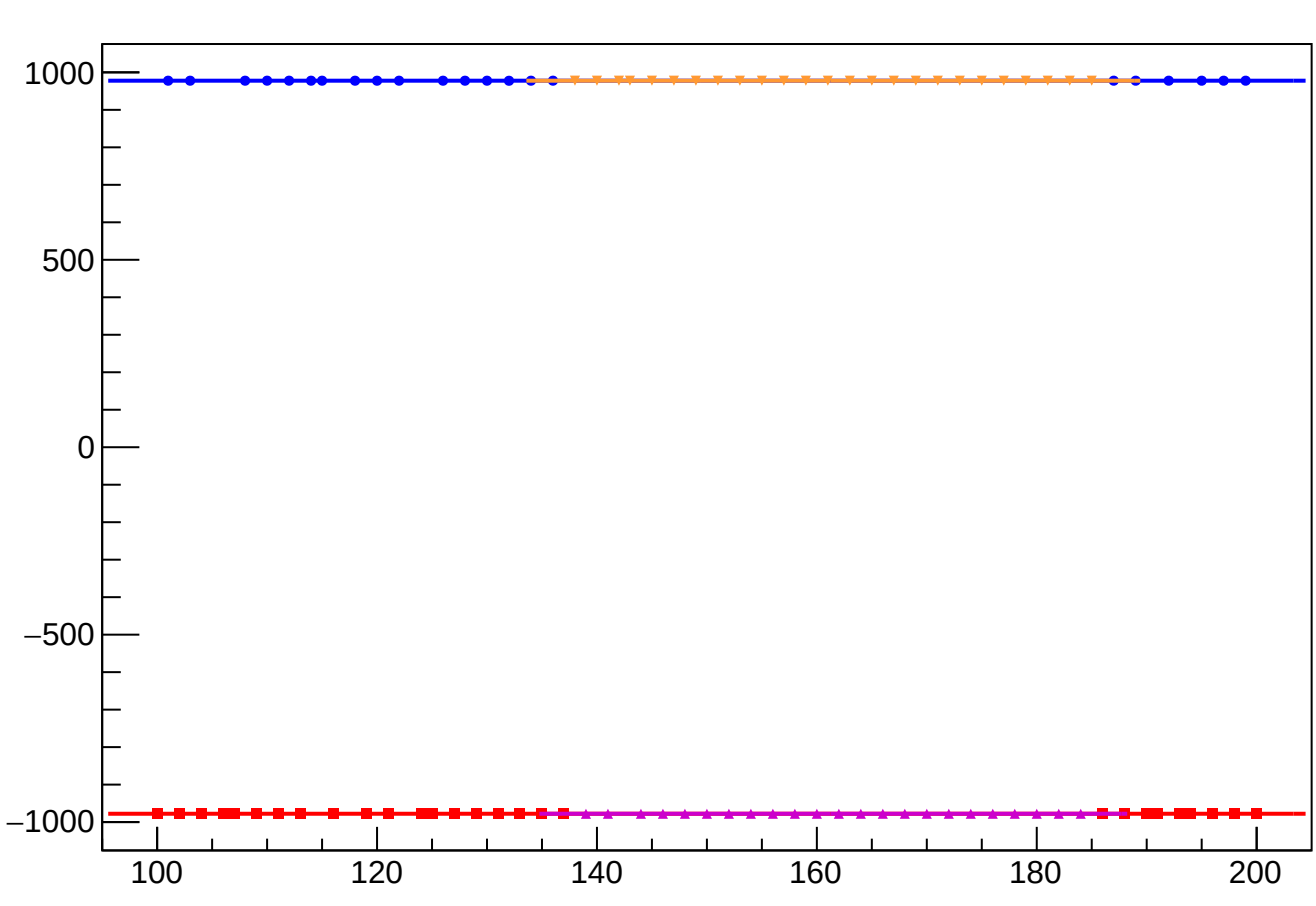
Right: -77.832+/-0.000 χ^2/NDF: 219097799427078 3

In: -217.237+/-0.000 χ^2/NDF:249554098091160 6

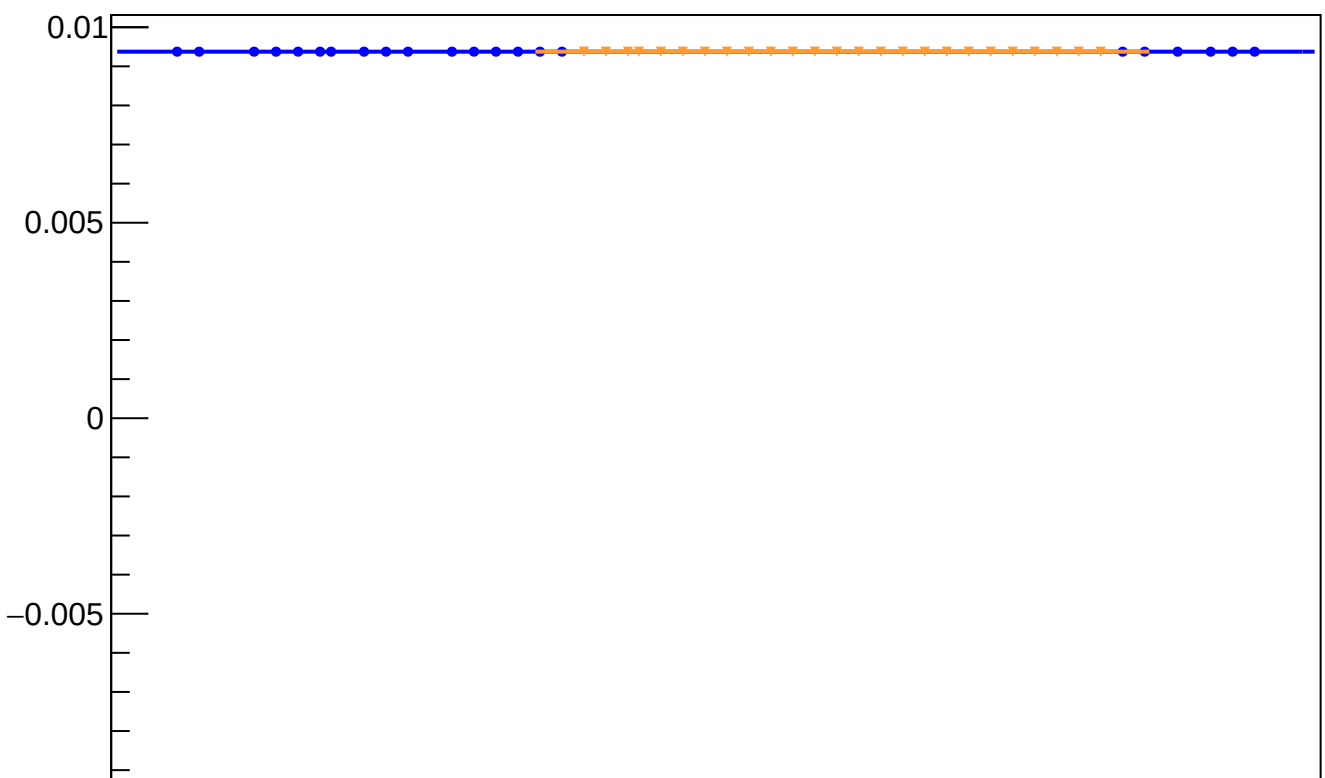
Out: 167.880+/-0.000 χ^2/NDF:28264536097004 79

All: -14.936+/-0.000 χ^2/NDF: 5562500785 50


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 762.583+/-0.000 χ²/NDF: 538019900277913296511847890944000.0/21
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -752.829+/-0.000 χ²/NDF: 730664866659337486978791426748317696 0.0/27
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -58.877+/-0.000 χ²/NDF: 147747591486201
In: -179.057+/-0.000 χ²/NDF:1696031216580577
Out: 142.361+/-0.000 χ²/NDF:1903728432749442
All: -10.217+/-0.000 χ²/NDF: 376728606654


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 977.756+/-0.000 χ²/NDF: 2141183726707280810274654781440.0/21
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.754+/-0.000 χ²/NDF: 27738577206732848108512194068480.0/27
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -82.268+/-0.000 χ²/NDF: 244807942505220
In: -229.619+/-0.000 χ²/NDF:2788353258698604
Out: 177.452+/-0.000 χ²/NDF:3158073083970996
All: -15.786+/-0.000 χ²/NDF: 621513418774

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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

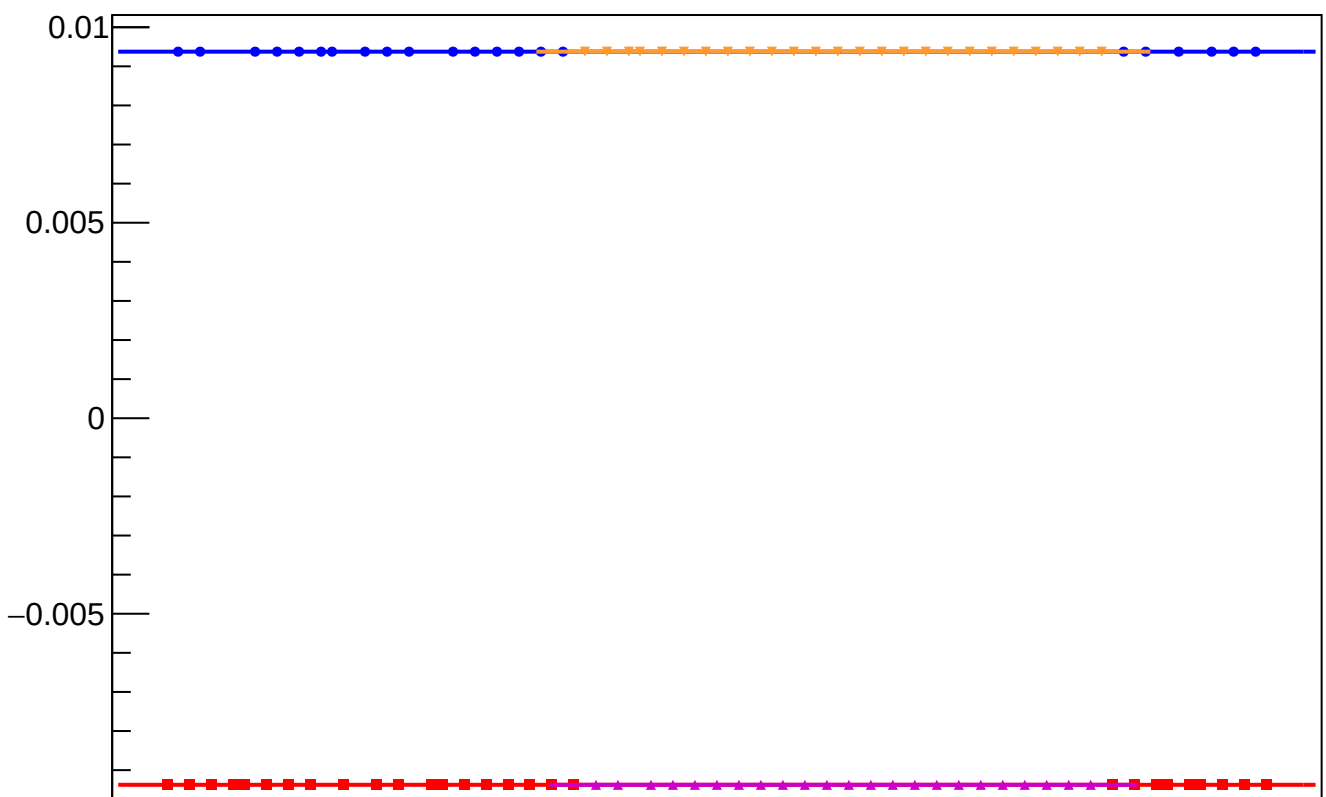
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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

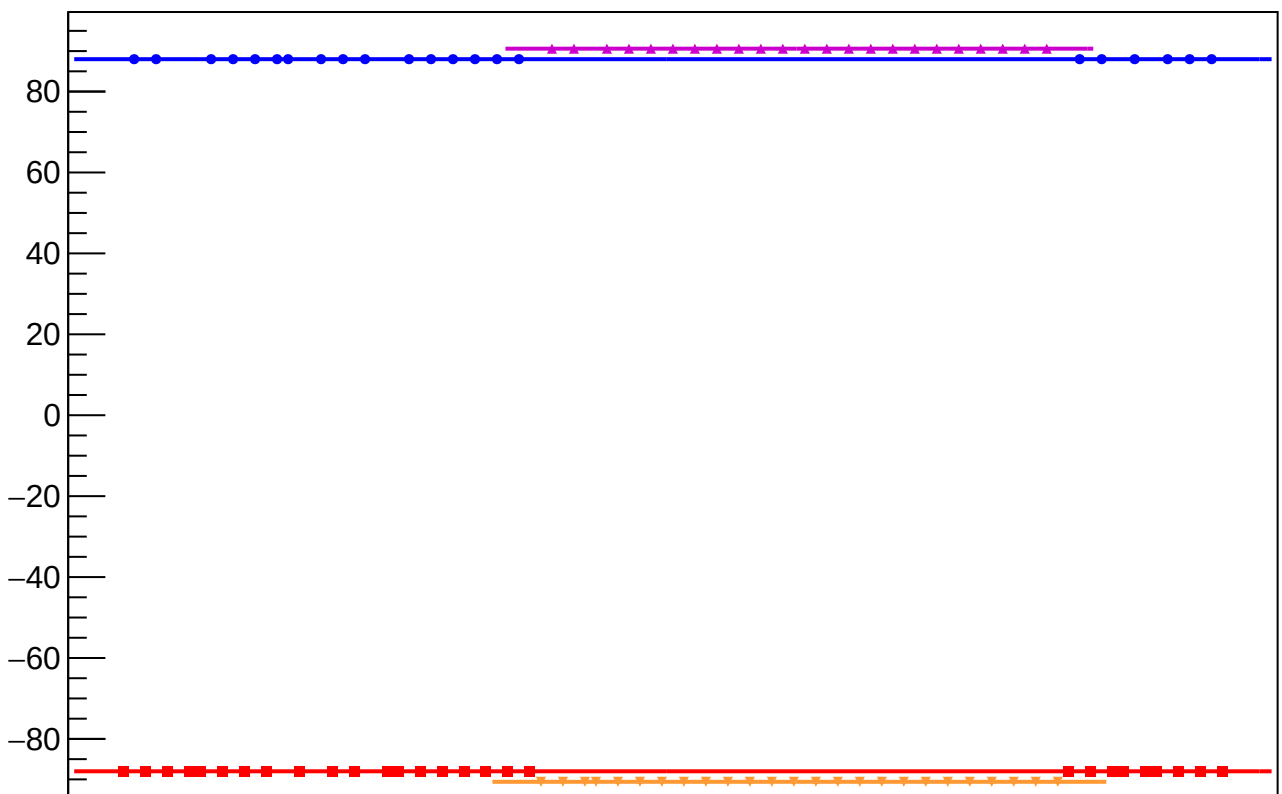
Right: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2332907.8/21

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

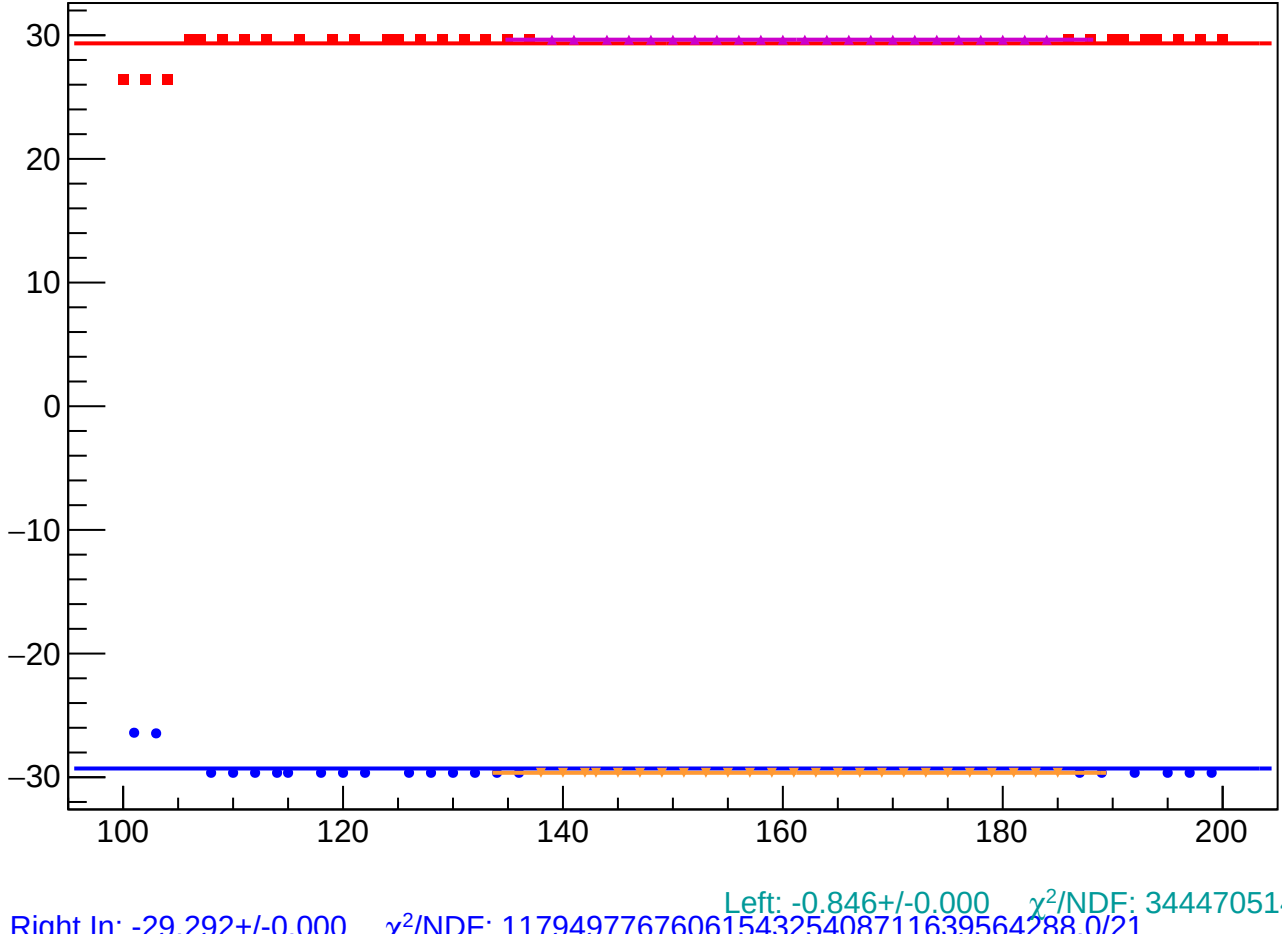
Right: -7.405+/-0.000 χ^2/NDF: 19831030678812070

In: 89.605+/-0.000 χ^2/NDF:492394216918862319

Out: -89.536+/-0.000 χ^2/NDF:5570572065086599

All: -4.497+/-0.000 χ^2/NDF: 5205004066812

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.292+/-0.000 χ^2/NDF: 11794977676061543254087116395642880/21

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.342+/-0.000 χ^2/NDF: 12292329167382045234877906687098880/27

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

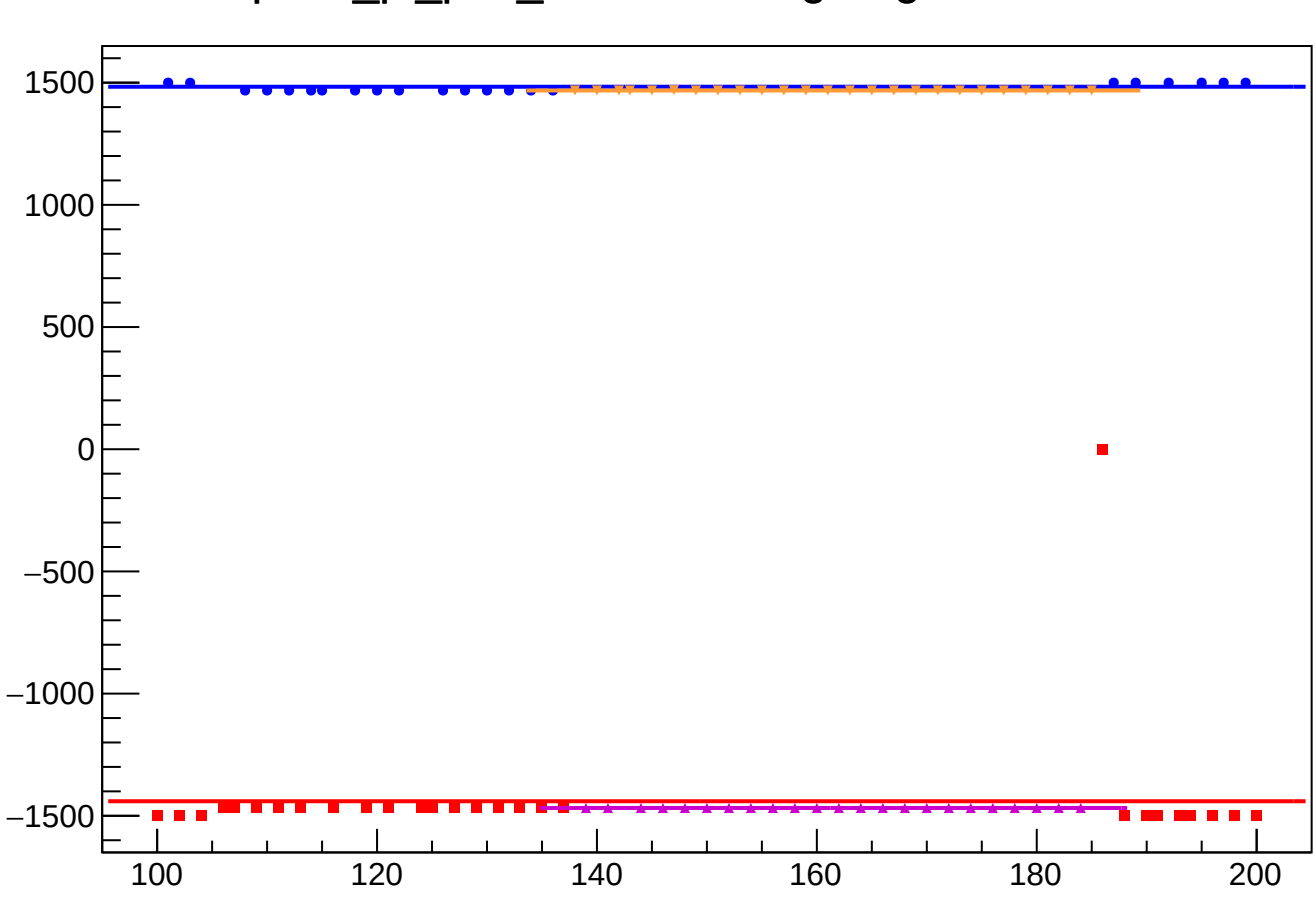
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.491+/-0.000 χ^2/NDF: 22033328209830269

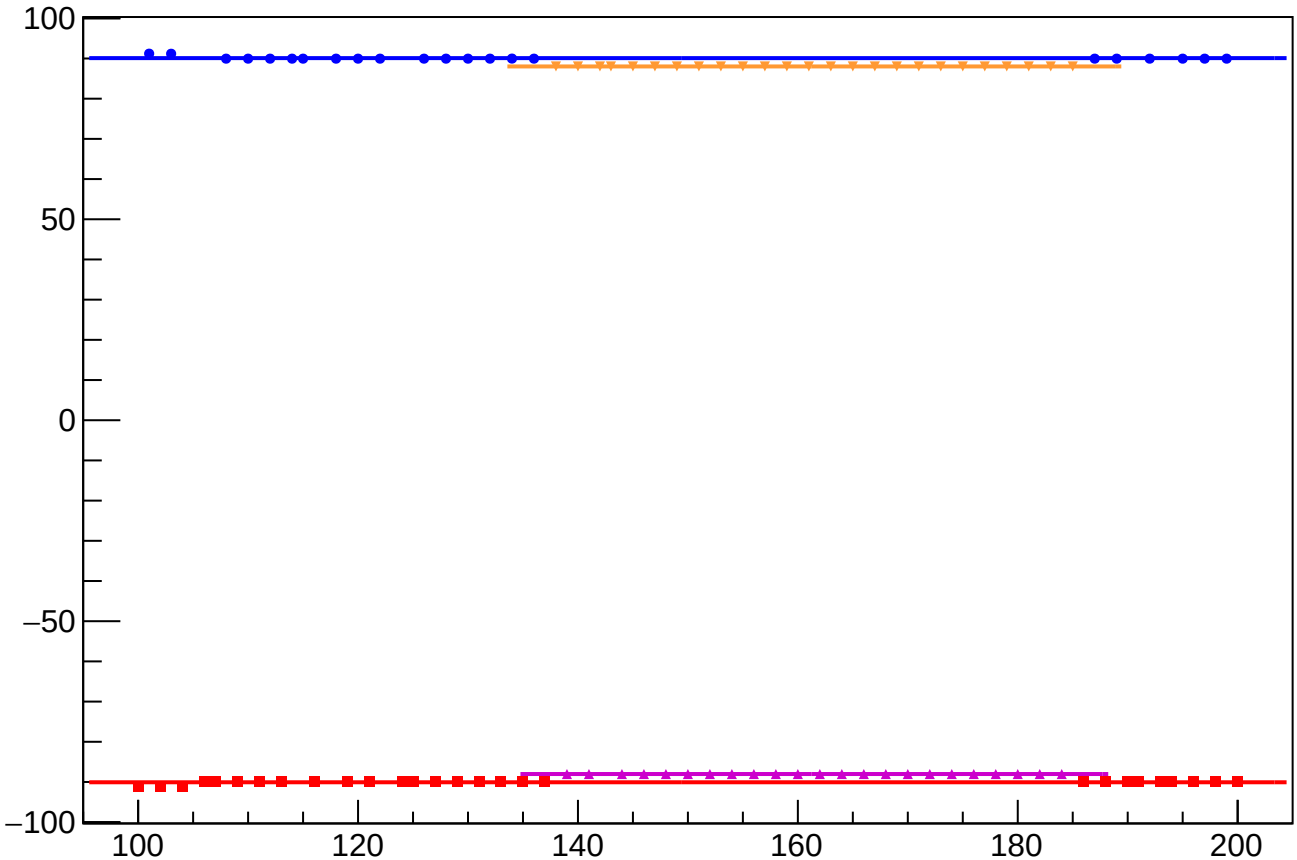
In: 7.095+/-0.000 χ^2/NDF:2533700822803713822

Out: -5.502+/-0.000 χ^2/NDF:28743632618115366

All: 0.478+/-0.000 χ^2/NDF: 56653724216927


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right In: 1483.353+/-0.000 χ²/NDF: 3012520573262623480653129274233978880/21
Right: -101.536+/-0.000 χ²/NDF: 5563057705025
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
In: -338.891+/-0.000 χ²/NDF:6351804726684168
Right Out: -1440.415+/-0.000 χ²/NDF: 90185407707462708934009538248618016768.0/27
Out: 277.759+/-0.000 χ²/NDF:707634084783741
Left In: -1467.994+/-0.000 χ²/NDF:1554938089860967537552245391360/22
All: -14.967+/-0.000 χ²/NDF: 140447670293

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.093+/-0.000 χ^2/NDF: 1725897475121666640311954094161920.0/21

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.074+/-0.000 χ^2/NDF: 18004768068671843255755825636966 4.0/27

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

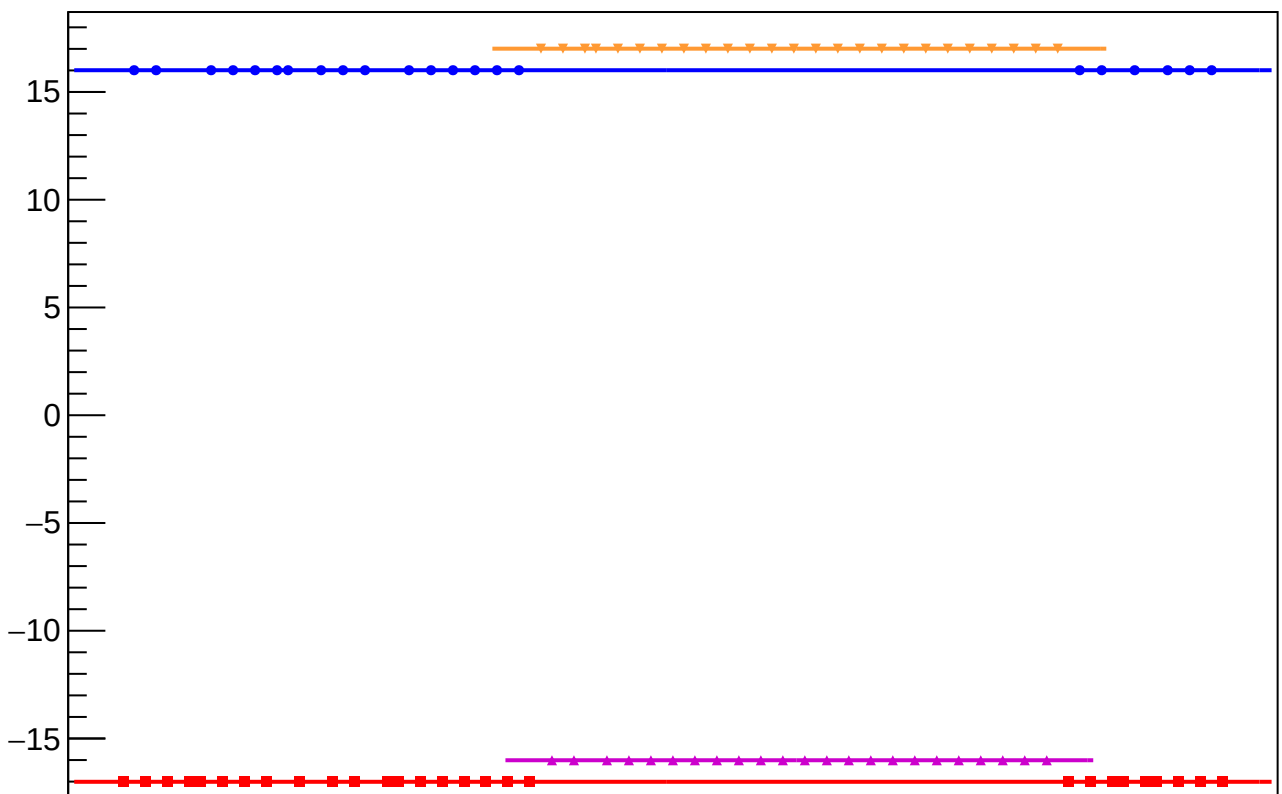
Right: -7.570+/-0.000 χ^2/NDF: 2078085124293586

In: -19.879+/-0.000 χ^2/NDF:23133172070355594

Out: 15.135+/-0.000 χ^2/NDF:26194739527593394

All: -1.486+/-0.000 χ^2/NDF: 5131603178130

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 328519.5/21

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: 991588108006867686

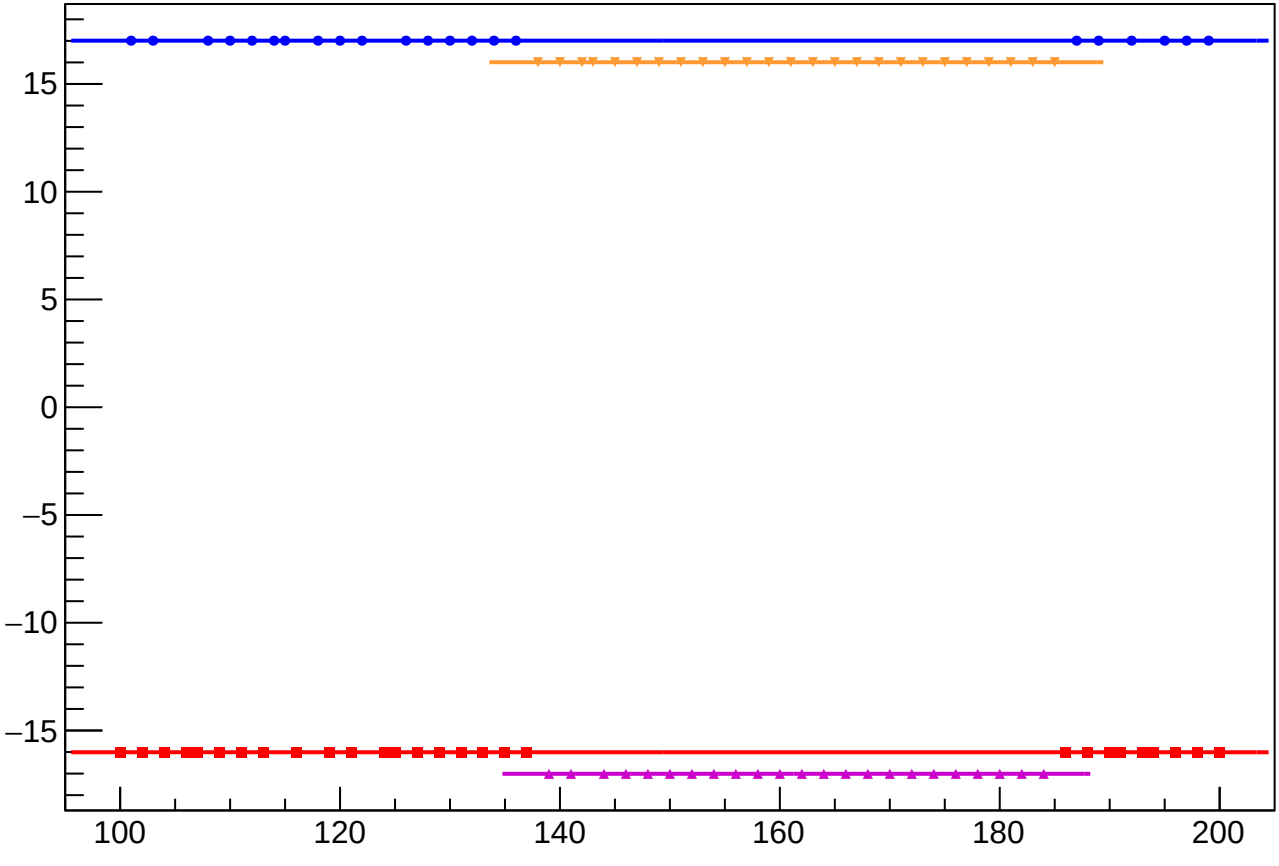
Right: -1.743+/-0.000 χ^2/NDF: 66940079272210429

In: -3.448+/-0.000 χ^2/NDF:711476286943456951

Out: 2.892+/-0.000 χ^2/NDF:899053711704538585

All: -0.128+/-0.000 χ^2/NDF: 1671798035955

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 249317.9/21

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

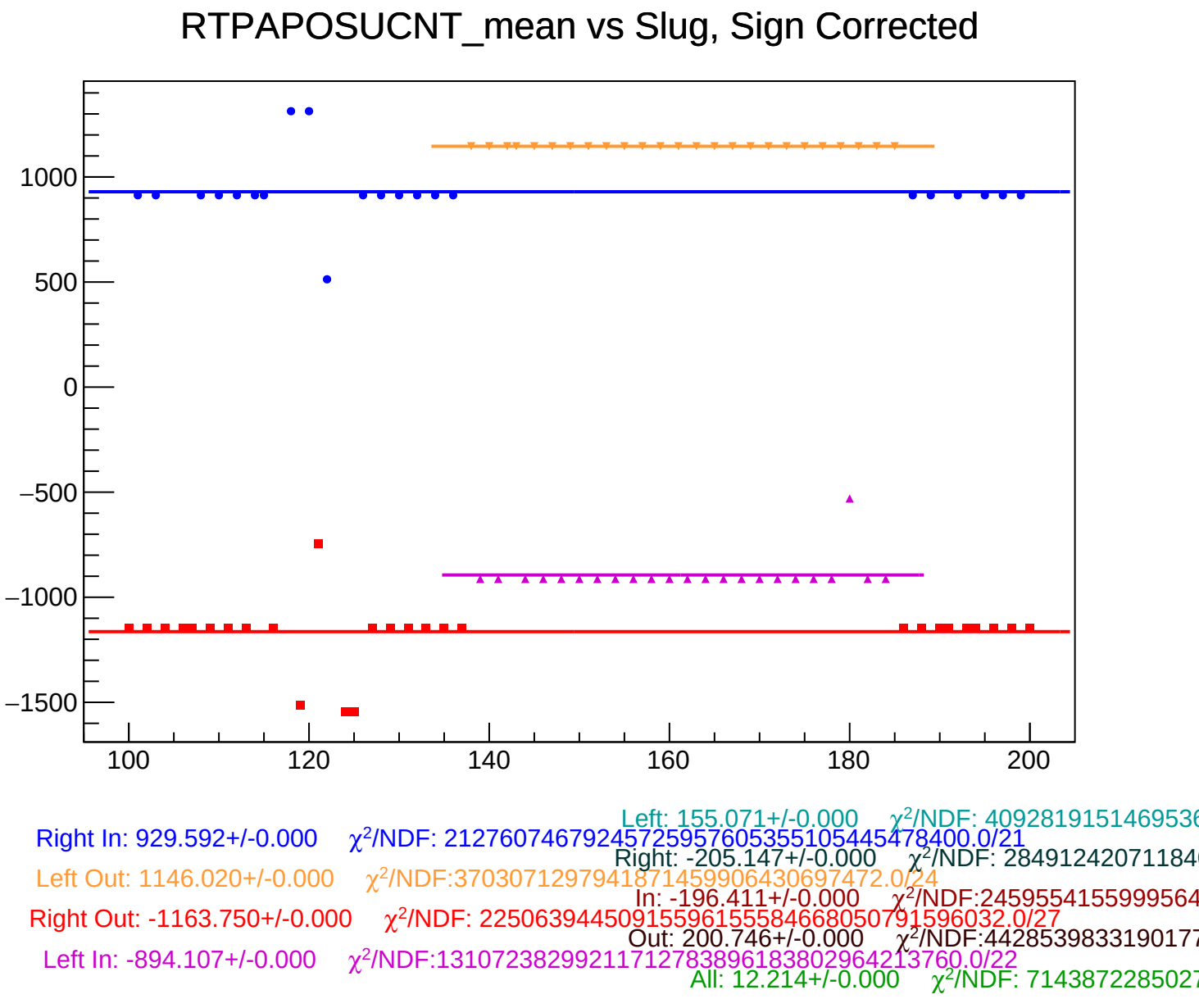
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

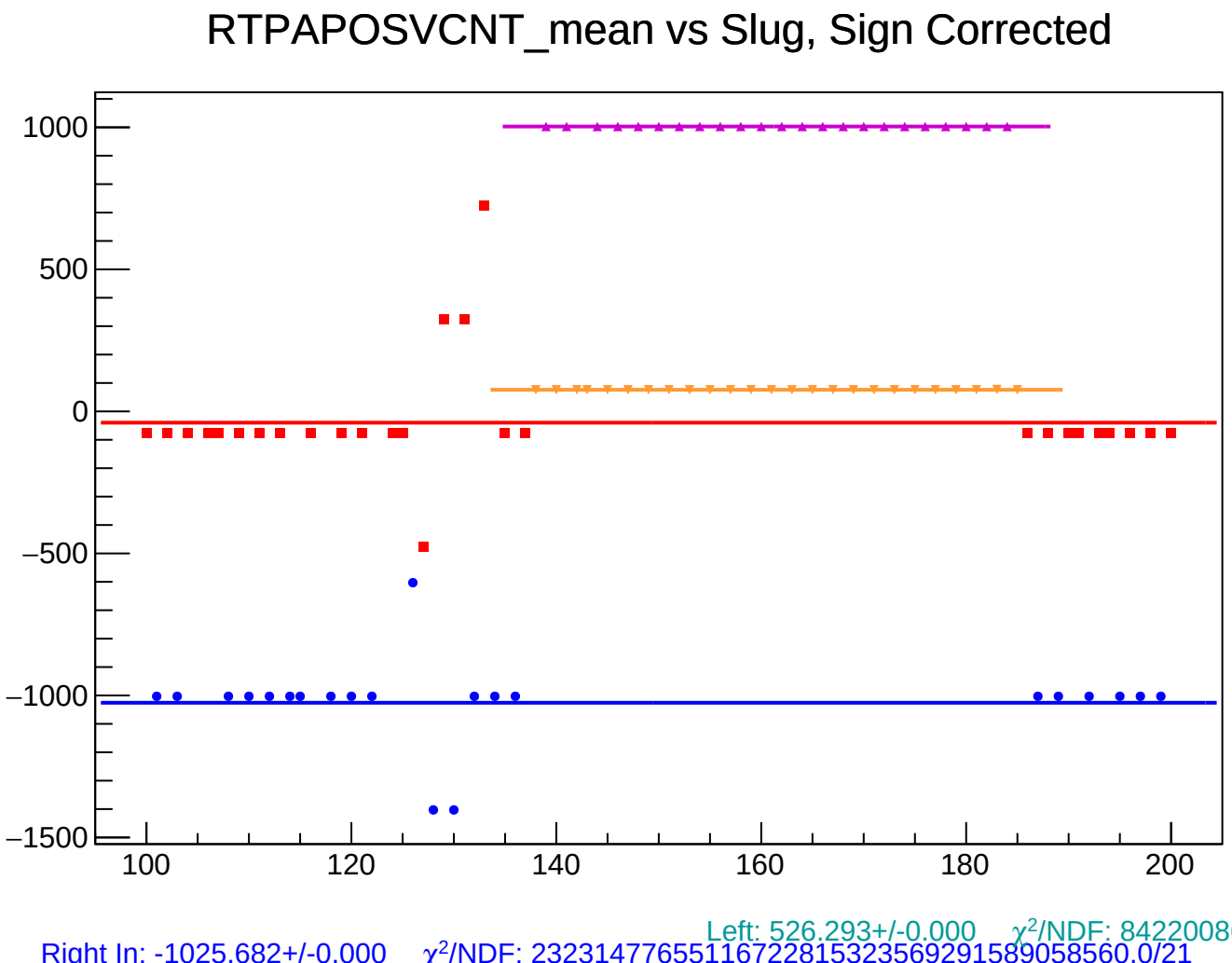
Right: -1.105+/-0.000 χ^2/NDF: 6860294864795790

In: -4.033+/-0.000 χ^2/NDF:821068884821713026

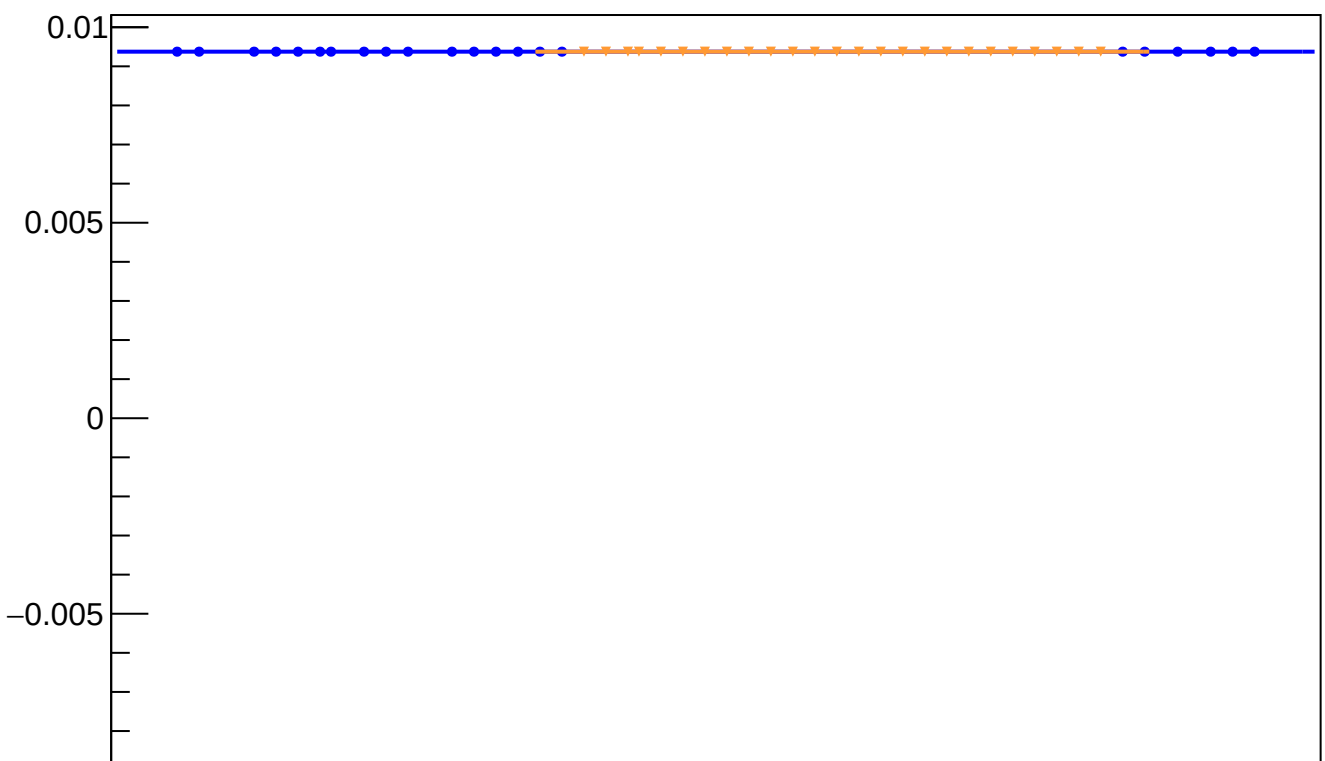
Out: 2.827+/-0.000 χ^2/NDF:840763186954680095

All: -0.400+/-0.000 χ^2/NDF: 173679284252


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 929.592+/-0.000 χ²/NDF: 212760746792457259576053551054454784000.0/21
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
Right Out: -1163.750+/-0.000 χ²/NDF: 225063944509155961555846680507915960320.0/27
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -205.147+/-0.000 χ²/NDF: 284912420711840
In: -196.411+/-0.000 χ²/NDF:2459554155999564
Out: 200.746+/-0.000 χ²/NDF:4428539833190177
All: 12.214+/-0.000 χ²/NDF: 7143872285027


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: -1025.682+/-0.000 χ²/NDF: 232314776551167228153235692915890585600/21
Right: -491.196+/-0.000 χ²/NDF: 693223065391158
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 226.877+/-0.000 χ²/NDF:3024189374339291
Right Out: -39.673+/-0.000 χ²/NDF: 475937930015290069964227956386478161920/27
Out: 28.692+/-0.000 χ²/NDF:5865419198937743
Left In: 1002.990+/-0.000 χ²/NDF:2951955903348314753097269248.0/22
All: 122.771+/-0.000 χ²/NDF: 3146534872

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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

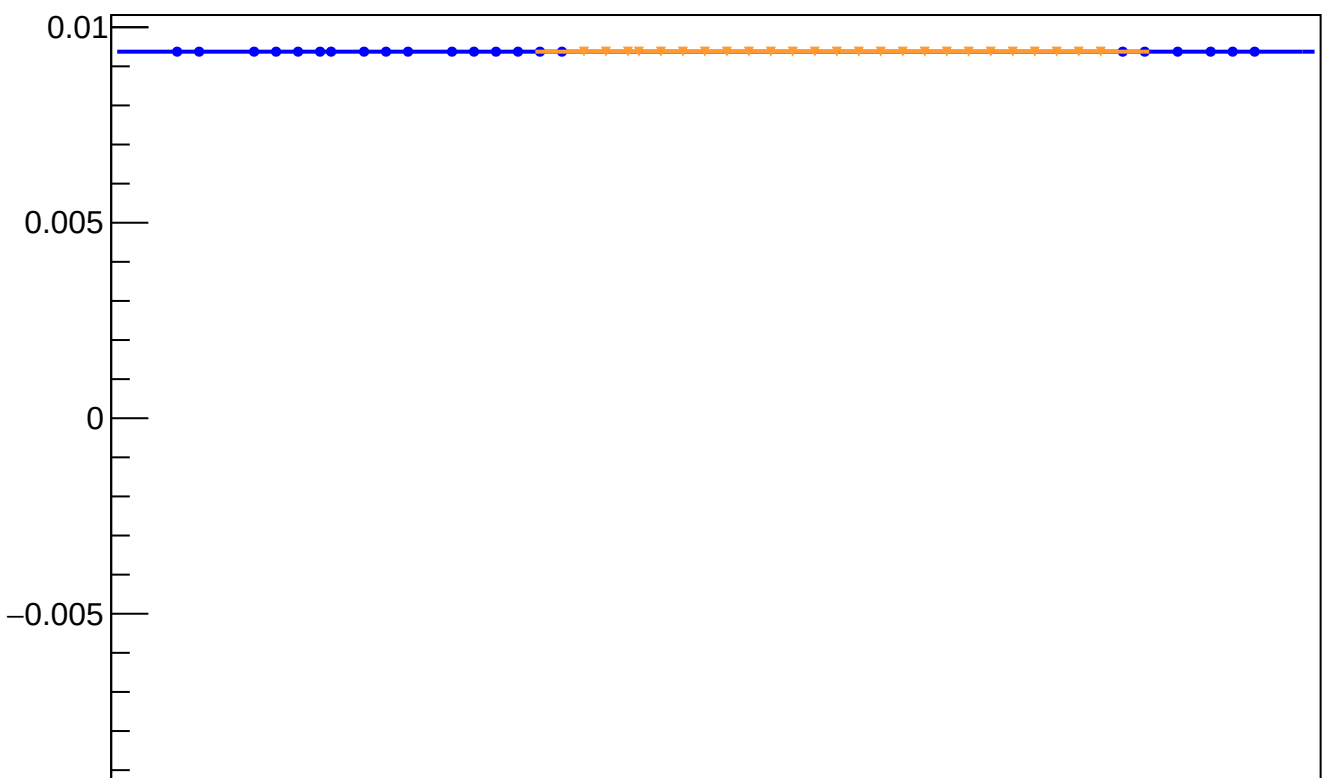
Right: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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: -0.001+/-0.000 χ^2/NDF: 2250651597033729

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:290344106776931391

All: -0.000+/-0.000 χ^2/NDF: 5714037271259